

# ProSoft Technology, Inc.

**WMIA-199NI**

Report No. PROS0109

Report Prepared By



[www.nwemc.com](http://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: July 8, 2011**  
**ProSoft Technology, Inc.**  
**Model: WMIA-199NI**

| Emissions                         |                 |                  |           |
|-----------------------------------|-----------------|------------------|-----------|
| Test Description                  | Specification   | Test Method      | Pass/Fail |
| Spurious Radiated Emissions       | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| Output Power                      | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| Power Spectral Density            | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| Spurious Conducted Emissions      | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| Occupied Bandwidth                | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| Band Edge Compliance              | FCC 15.247:2011 | ANSI C63.10:2009 | Pass      |
| AC Power Line 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:**

Dean Ghizzone, President



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 |
|-----------------|-------------|------|-------------|
| 00              | None        |      |             |

**Barometric Pressure**

The recorded barometric pressure has been normalized to sea level.



# Accreditations and Authorizations

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## 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.

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## 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.

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## 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*)

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## 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.

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## 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).

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# Accreditations and Authorizations

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## 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-3265, and T-1511, Brooklyn Park: R-3125, G-86, G-141, C-3464, and T-1634).*

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## 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).

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## 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

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## 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)*

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## 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.

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## SCOPE

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

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



## Northwest EMC Locations



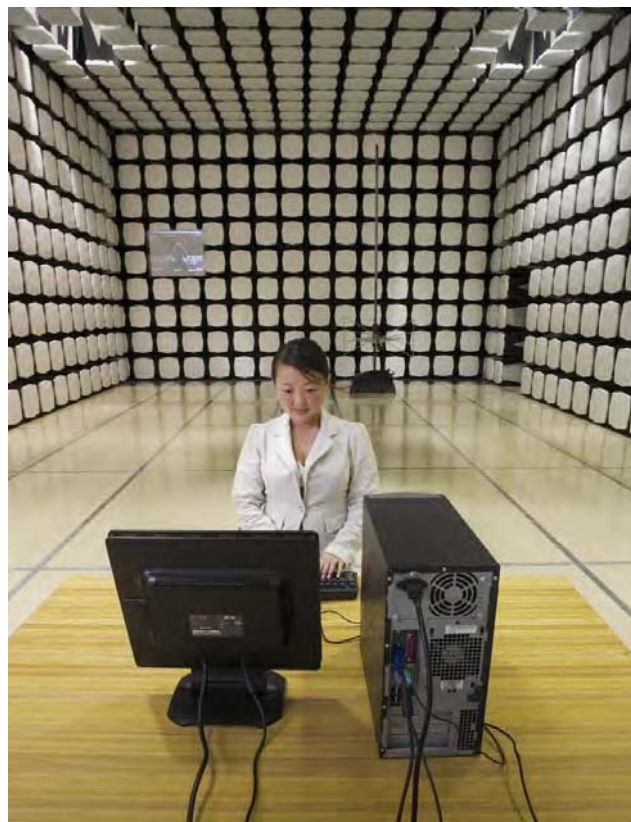
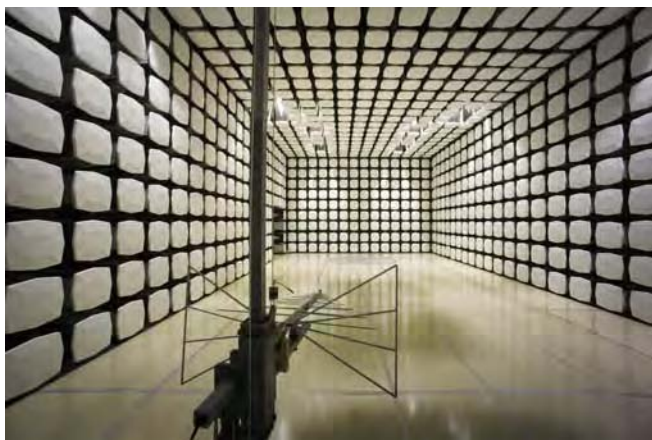
Oregon  
Labs EV01-EV12  
22975 NW Evergreen Pkwy  
Suite 400  
Hillsboro, OR 97124  
(503) 844-4066

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 339<sup>th</sup> 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., 3 <sup>rd</sup> Floor |
| City, State, Zip:        | Bakersfield, CA 93309                    |
| Test Requested By:       | Frank Hardy                              |
| Model:                   | WMIA-199NI                               |
| First Date of Test:      | 6/20/2011                                |
| Last Date of Test:       | 7/8/2011                                 |
| Receipt Date of Samples: | 6/20/2011                                |
| Equipment Design Stage:  | Production                               |
| Equipment Condition:     | No Damage                                |

## Information Provided by the Party Requesting the Test

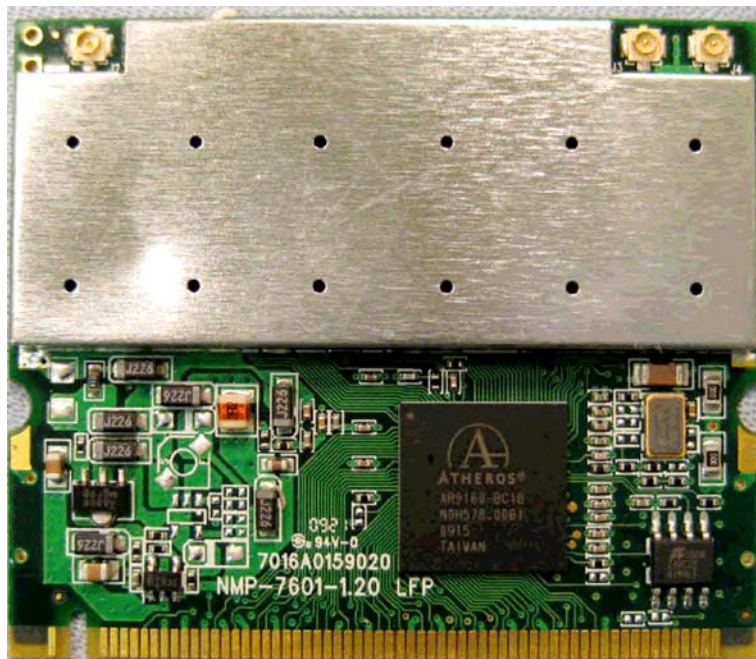
## Functional Description of the EUT (Equipment Under Test):

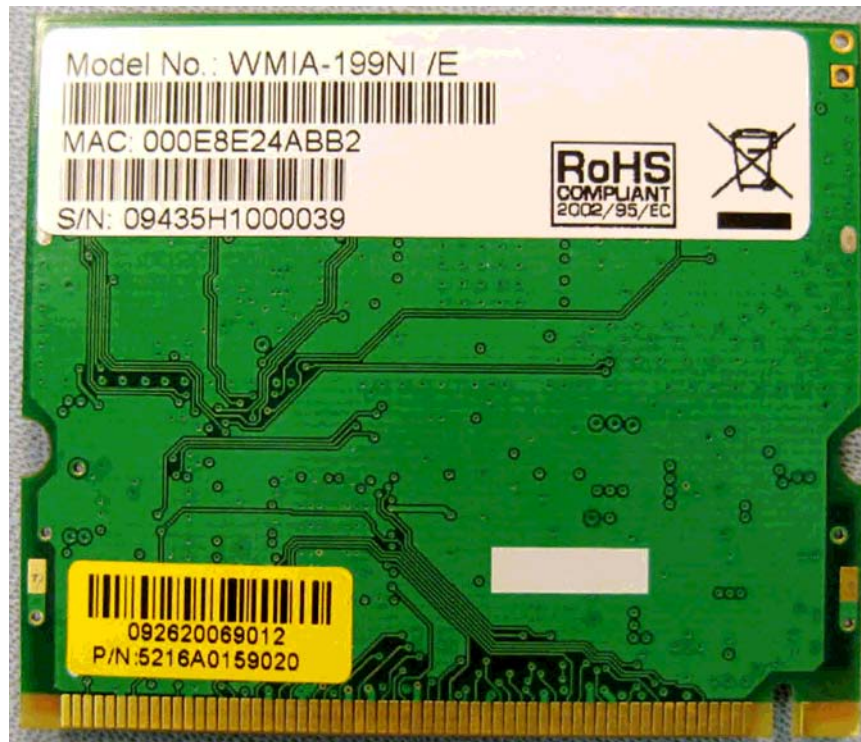
One combination 802.11a/g/n radio module.

## Testing Objective:

Seeking to demonstrate compliance under FCC 15.247.

## EUT Photo





**CONFIGURATION 1 PROS0109**

| <b>EUT</b>                |                     |                          |                      |
|---------------------------|---------------------|--------------------------|----------------------|
| <b>Description</b>        | <b>Manufacturer</b> | <b>Model/Part Number</b> | <b>Serial Number</b> |
| 802.11 a/g/n radio module | Prosoft Technology  | WMIA-199NI               | 09435H1000039        |
| DC Power Supply           | Phihong             | PSA15R-120P              | P65000748A1          |

| <b>Remote Equipment Outside of Test Setup Boundary</b> |                     |                          |                      |
|--------------------------------------------------------|---------------------|--------------------------|----------------------|
| <b>Description</b>                                     | <b>Manufacturer</b> | <b>Model/Part Number</b> | <b>Serial Number</b> |
| Remote Laptop                                          | Dell Corp.          | Dell Vostro 1100         | 14TBYG1              |

| <b>Cables</b>                                                                                          |               |                   |                |                           |                     |
|--------------------------------------------------------------------------------------------------------|---------------|-------------------|----------------|---------------------------|---------------------|
| <b>Cable Type</b>                                                                                      | <b>Shield</b> | <b>Length (m)</b> | <b>Ferrite</b> | <b>Connection 1</b>       | <b>Connection 2</b> |
| Lan                                                                                                    | No            | 1.8m              | No             | 802.11 a/g/n radio module | Remote Laptop       |
| PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown. |               |                   |                |                           |                     |

**CONFIGURATION 2 PROS0109**

| <b>EUT</b>                |                     |                          |                      |
|---------------------------|---------------------|--------------------------|----------------------|
| <b>Description</b>        | <b>Manufacturer</b> | <b>Model/Part Number</b> | <b>Serial Number</b> |
| 802.11 a/g/n radio module | Prosoft Technology  | WMIA-199NI               | 09435H1000039        |
| DC Power Supply           | Phihong             | PSA15R-120P              | P65000748A1          |
| 5dB Blade Antenna (#1)    | Prosoft Technology  | None                     | None                 |
| 5dB Blade Antenna (#2)    | Prosoft Technology  | None                     | None                 |
| 5dB Blade Antenna (#3)    | Prosoft Technology  | None                     | None                 |

| <b>Remote Equipment Outside of Test Setup Boundary</b> |                     |                          |                      |
|--------------------------------------------------------|---------------------|--------------------------|----------------------|
| <b>Description</b>                                     | <b>Manufacturer</b> | <b>Model/Part Number</b> | <b>Serial Number</b> |
| Remote Laptop                                          | Dell Corp.          | Dell Vostro 1100         | 14TBYG1              |

| <b>Cables</b>                                                                                          |               |                   |                |                           |                     |
|--------------------------------------------------------------------------------------------------------|---------------|-------------------|----------------|---------------------------|---------------------|
| <b>Cable Type</b>                                                                                      | <b>Shield</b> | <b>Length (m)</b> | <b>Ferrite</b> | <b>Connection 1</b>       | <b>Connection 2</b> |
| Lan                                                                                                    | No            | 1.8m              | No             | 802.11 a/g/n radio module | Remote Laptop       |
| 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                       | 6/20/2011 | Band Edge Compliance                        | 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                       | 6/27/2011 | Spurious Radiated Emissions: 30 MHz-18 GHz  | 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                       | 6/29/2011 | Spurious Radiated Emissions: 18 GHz- 40 GHz | 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                       | 7/5/2011  | Output Power                                | Tested as delivered to Test Station.   | No EMI suppression devices were added or modified during this test.                                         | EUT remained at Northwest EMC following the test. |
| 5                       | 7/6/2011  | Power Line Conducted Emissions              | Modified from delivered configuration. | Added ferrite (0443164151) on power supply on EUT end with 2 loops. Modification authorized by Frank Hardy. | EUT remained at Northwest EMC following the test. |
| 6                       | 7/7/2011  | Occupied Bandwidth                          | Tested as delivered to Test Station.   | No EMI suppression devices were added or modified during this test.                                         | EUT remained at Northwest EMC following the test. |
| 7                       | 7/7/2011  | 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. |
| 8                       | 7/8/2011  | Spurious 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       |
| Power Meter       | Hewlett Packard | E4418A | SPA | 4/21/2010 | 24       |
| Signal Generator  | Agilent         | E8257D | TGU | 1/26/2011 | 12       |
| Spectrum Analyzer | Agilent         | E4440A | AFG | 4/28/2011 | 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

The occupied bandwidth was measured with the EUT set to low, medium, and high transmit frequencies in the ISM band. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the required data rates available in 802.11(a)/(g)/(n).

NORTHWEST

EMC

Occupied Bandwidth

XMit 2011.04.20  
PsaTx 2011.05.03

|                                    |                  |                        |  |
|------------------------------------|------------------|------------------------|--|
| EUT: WMIA-199NI                    |                  | Work Order: PROS0109   |  |
| Serial Number: 09435H1000039       |                  | Date: 07/07/11         |  |
| Customer: ProSoft Technology, Inc. |                  | Temperature: 22.06°C   |  |
| Attendees: None                    |                  | Humidity: 48%          |  |
| Project: None                      |                  | Barometric Pres.: 1011 |  |
| Tested by: Jaemi Suh               | Power: 120V/60Hz | Job Site: OC11         |  |

|                     |  |                  |  |
|---------------------|--|------------------|--|
| TEST SPECIFICATIONS |  | TEST METHOD      |  |
| FCC 15.247:2011     |  | ANSI C63.10:2009 |  |

COMMENTS

Chain 1. Operating at 802.11 a/g/n. PC Power Level = 15.

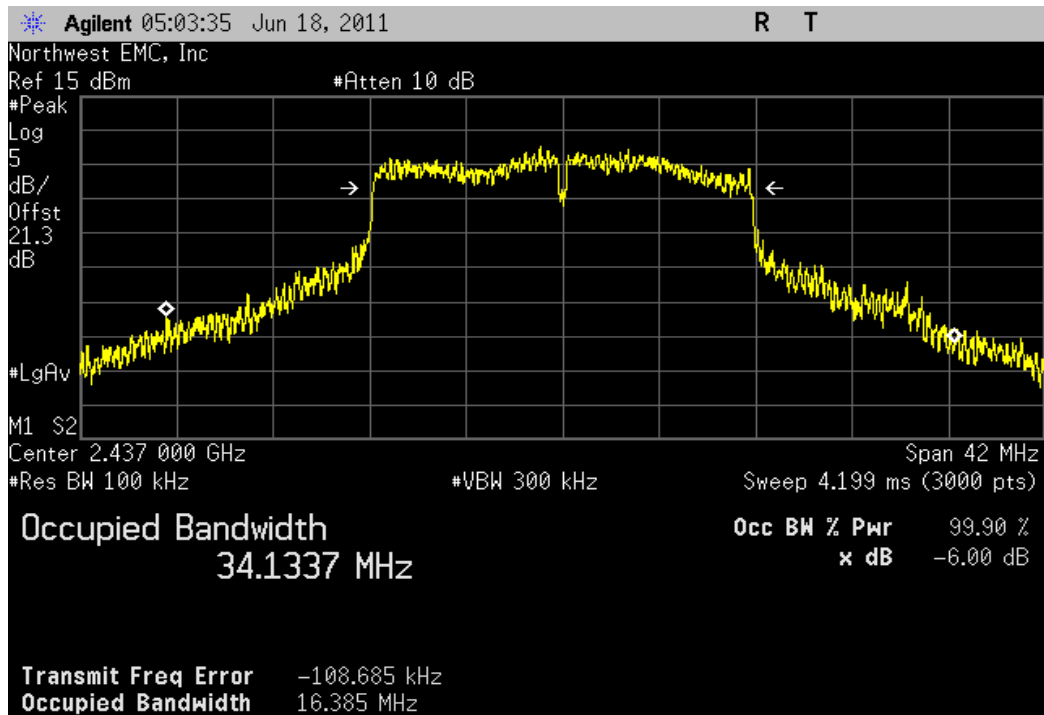
DEVIATIONS FROM TEST STANDARD

|                 |   |                                                                                             |
|-----------------|---|---------------------------------------------------------------------------------------------|
| Configuration # | 1 | Signature  |
|-----------------|---|---------------------------------------------------------------------------------------------|

|                            | Value      | Limit     | Result |
|----------------------------|------------|-----------|--------|
| 802.11(g) 6 Mbps           |            |           |        |
| Low Channel 1 (2412 MHz)   | 16.525 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 16.385 MHz | > 500 kHz | Pass   |
| High Channel 11 (2462 MHz) | 16.454 MHz | > 500 kHz | Pass   |
| 802.11(n) MCS8             |            |           |        |
| Low Channel 1 (2412 MHz)   | 17.707 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 17.745 MHz | > 500 kHz | Pass   |
| High Channel 11 (2462 MHz) | 17.647 MHz | > 500 kHz | Pass   |
| 802.11(n)(40 MHz) MCS8     |            |           |        |
| Low Channel 1 (2422 MHz)   | 36.515 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 36.566 MHz | > 500 kHz | Pass   |
| High Channel 11 (2452 MHz) | 36.501 MHz | > 500 kHz | Pass   |

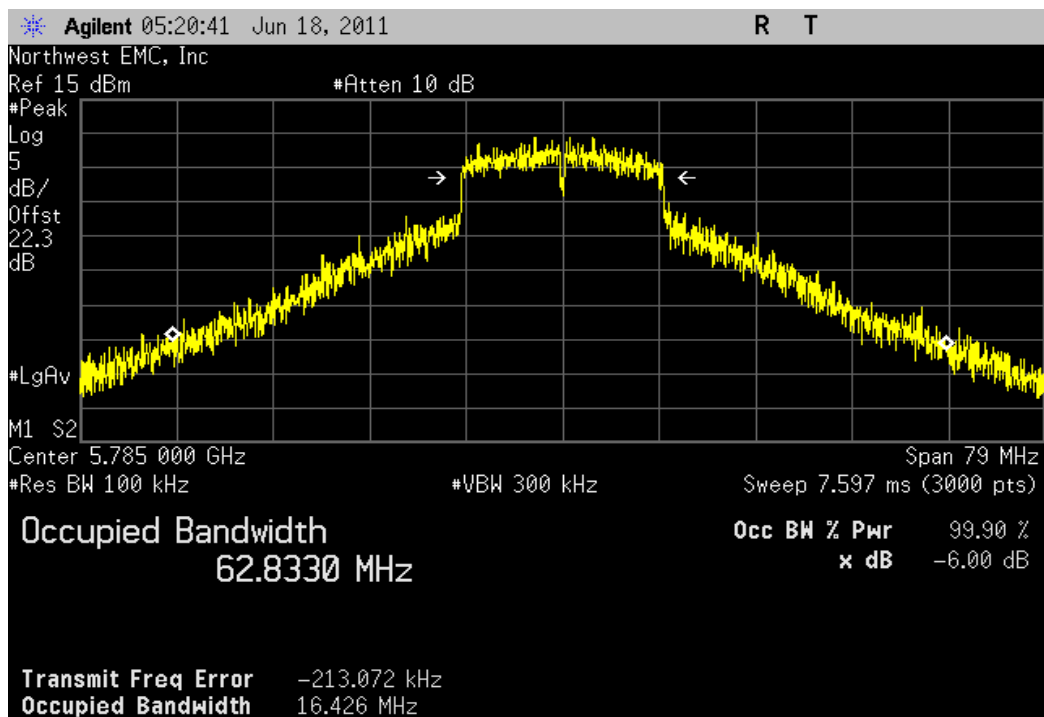
802.11(g) 6 Mbps, Mid Channel 6 (2437 MHz)

|  |  |  |  | Value      | Limit     | Result |
|--|--|--|--|------------|-----------|--------|
|  |  |  |  | 16.385 MHz | > 500 kHz | Pass   |



802.11(a) 6 Mbps, Mid Channel 157 (5785 MHz)

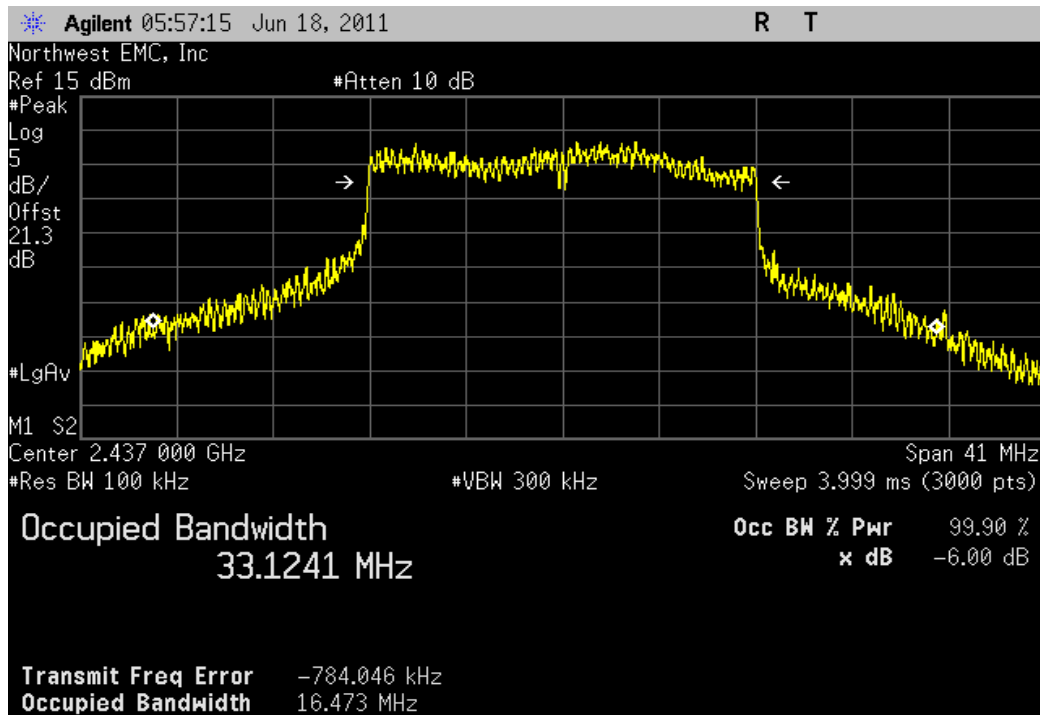
|  |  |  |  | Value      | Limit     | Result |
|--|--|--|--|------------|-----------|--------|
|  |  |  |  | 16.426 MHz | > 500 kHz | Pass   |



|                                                          |  |                  |  |                                                                                             |  |                                     |  |
|----------------------------------------------------------|--|------------------|--|---------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| NORTHWEST                                                |  | EMC              |  | Occupied Bandwidth                                                                          |  | XMit 2011.04.20<br>PsaTx 2011.05.03 |  |
| EUT: WMIA-199NI                                          |  |                  |  | Work Order: PROS0109                                                                        |  |                                     |  |
| Serial Number: 09435H1000039                             |  |                  |  | Date: 07/07/11                                                                              |  |                                     |  |
| Customer: ProSoft Technology, Inc.                       |  |                  |  | Temperature: 22.06°C                                                                        |  |                                     |  |
| Attendees: None                                          |  |                  |  | Humidity: 48%                                                                               |  |                                     |  |
| Project: None                                            |  |                  |  | Barometric Pres.: 1011                                                                      |  |                                     |  |
| Tested by: Jaemi Suh                                     |  | Power: 120V/60Hz |  | Job Site: OC11                                                                              |  |                                     |  |
| TEST SPECIFICATIONS                                      |  |                  |  | TEST METHOD                                                                                 |  |                                     |  |
| FCC 15.247:2011                                          |  |                  |  | ANSI C63.10:2009                                                                            |  |                                     |  |
| COMMENTS                                                 |  |                  |  |                                                                                             |  |                                     |  |
| Chain 2. Operating at 802.11 a/g/n. PC Power Level = 15. |  |                  |  |                                                                                             |  |                                     |  |
| DEVIATIONS FROM TEST STANDARD                            |  |                  |  |                                                                                             |  |                                     |  |
| Configuration #                                          |  | 1                |  | Signature  |  |                                     |  |
|                                                          |  |                  |  | Value                                                                                       |  | Limit                               |  |
|                                                          |  |                  |  | Result                                                                                      |  |                                     |  |
| 802.11(g) 54 Mbps                                        |  |                  |  |                                                                                             |  |                                     |  |
| Low Channel 1 (2412 MHz)                                 |  |                  |  | 16.496 MHz                                                                                  |  | > 500 kHz                           |  |
| Mid Channel 6 (2437 MHz)                                 |  |                  |  | 16.473 MHz                                                                                  |  | > 500 kHz                           |  |
| High Channel 11 (2462 MHz)                               |  |                  |  | 16.516 MHz                                                                                  |  | > 500 kHz                           |  |
| 802.11(n) MCS15                                          |  |                  |  |                                                                                             |  |                                     |  |
| Low Channel 1 (2412 MHz)                                 |  |                  |  | 17.66 MHz                                                                                   |  | > 500 kHz                           |  |
| Mid Channel 6 (2437 MHz)                                 |  |                  |  | 17.581 MHz                                                                                  |  | > 500 kHz                           |  |
| High Channel 11 (2462 MHz)                               |  |                  |  | 17.228 MHz                                                                                  |  | > 500 kHz                           |  |
| 802.11(n)(40 MHz) MCS15                                  |  |                  |  |                                                                                             |  |                                     |  |
| Low Channel 1 (2422 MHz)                                 |  |                  |  | 36.464 MHz                                                                                  |  | > 500 kHz                           |  |
| Mid Channel 6 (2437 MHz)                                 |  |                  |  | 36.491 MHz                                                                                  |  | > 500 kHz                           |  |
| High Channel 11 (2452 MHz)                               |  |                  |  | 36.392 MHz                                                                                  |  | > 500 kHz                           |  |

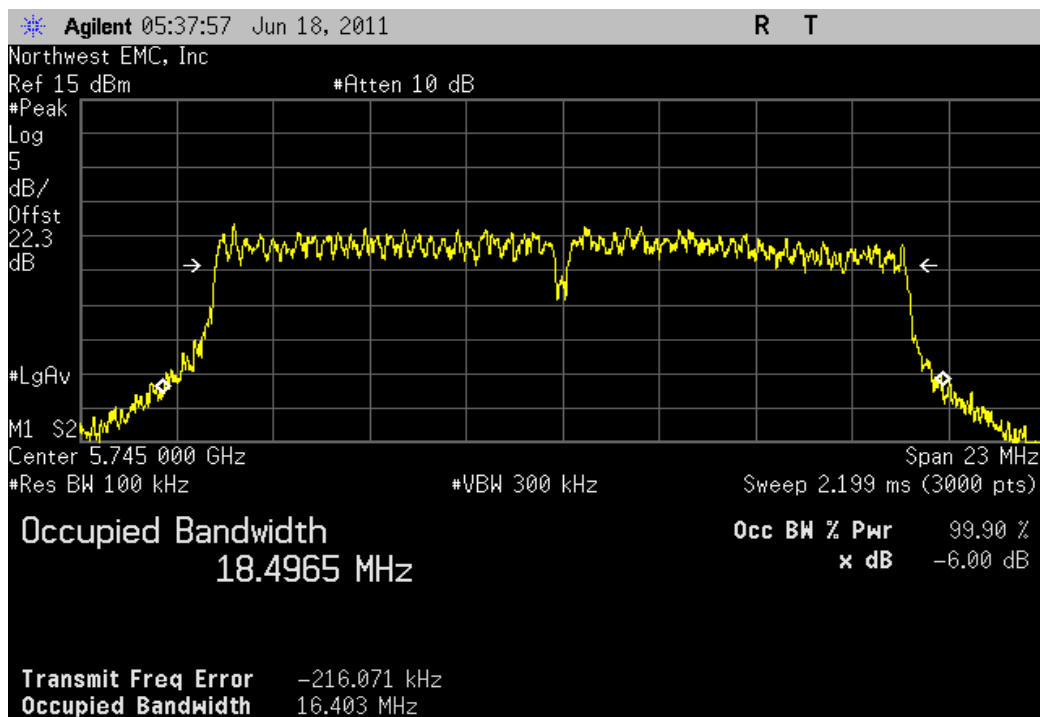
802.11(g) 36 Mbps, Mid Channel 6 (2437 MHz)

|  |  |  |  | Value      | Limit     | Result |
|--|--|--|--|------------|-----------|--------|
|  |  |  |  | 16.473 MHz | > 500 kHz | Pass   |



802.11(a) 54 Mbps, Low Channel 149 (5745 MHz)

|  |  |  |  | Value      | Limit     | Result |
|--|--|--|--|------------|-----------|--------|
|  |  |  |  | 16.403 MHz | > 500 kHz | Pass   |



NORTHWEST

EMC

Occupied Bandwidth

XMit 2011.04.20  
PsaTx 2011.05.03

|                                    |                  |                        |  |
|------------------------------------|------------------|------------------------|--|
| EUT: WMIA-199NI                    |                  | Work Order: PROS0109   |  |
| Serial Number: 09435H1000039       |                  | Date: 07/08/11         |  |
| Customer: ProSoft Technology, Inc. |                  | Temperature: 22.06°C   |  |
| Attendees: None                    |                  | Humidity: 48%          |  |
| Project: None                      |                  | Barometric Pres.: 1011 |  |
| Tested by: Jaemi Suh               | Power: 120V/60Hz | Job Site: OC11         |  |

|                     |  |                  |  |
|---------------------|--|------------------|--|
| TEST SPECIFICATIONS |  | TEST METHOD      |  |
| FCC 15.247:2011     |  | ANSI C63.10:2009 |  |

COMMENTS

Chain 3. Operating at 802.11 a/g/n. PC Power Level = 15.

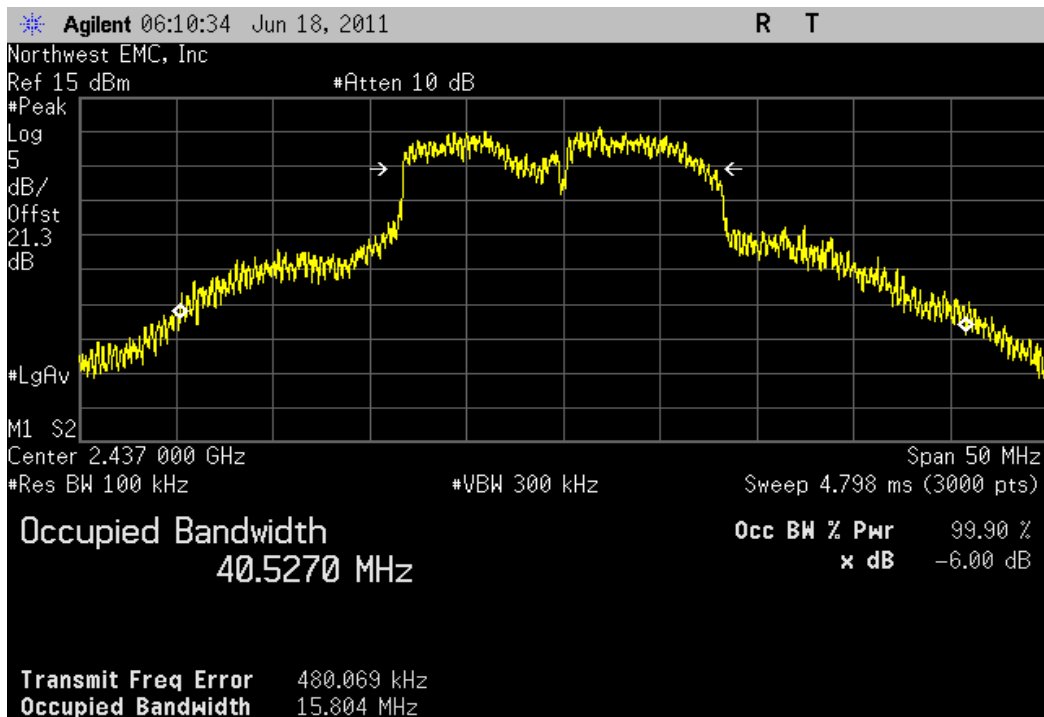
DEVIATIONS FROM TEST STANDARD

|                 |   |                                                                                             |
|-----------------|---|---------------------------------------------------------------------------------------------|
| Configuration # | 1 | Signature  |
|-----------------|---|---------------------------------------------------------------------------------------------|

|                            | Value      | Limit     | Result |
|----------------------------|------------|-----------|--------|
| 802.11(g) 54 Mbps          |            |           |        |
| Low Channel 1 (2412 MHz)   | 16.486 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 15.804 MHz | > 500 kHz | Pass   |
| High Channel 11 (2462 MHz) | 16.352 MHz | > 500 kHz | Pass   |
| 802.11(n) MCS7             |            |           |        |
| Low Channel 1 (2412 MHz)   | 16.864 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 17.352 MHz | > 500 kHz | Pass   |
| High Channel 11 (2462 MHz) | 17.595 MHz | > 500 kHz | Pass   |
| 802.11(n)(40 MHz) MCS15    |            |           |        |
| Low Channel 1 (2422 MHz)   | 22.236 MHz | > 500 kHz | Pass   |
| Mid Channel 6 (2437 MHz)   | 36.344 MHz | > 500 kHz | Pass   |
| High Channel 11 (2452 MHz) | 36.436 MHz | > 500 kHz | Pass   |

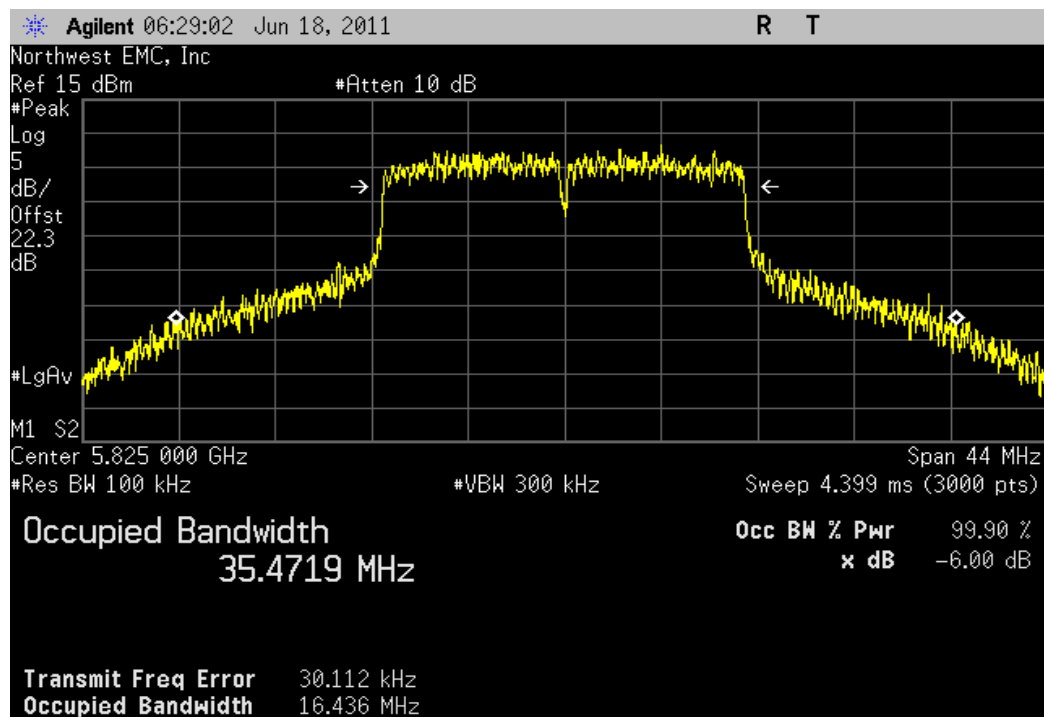
802.11(g) 36 Mbps, Mid Channel 6 (2437 MHz)

|  | Value  | Limit     | Result |
|--|--------|-----------|--------|
|  | 15.804 | > 500 kHz | Pass   |



802.11(a) 36 Mbps, High Channel 165 (5825 MHz)

|  | Value      | Limit     | Result |
|--|------------|-----------|--------|
|  | 16.436 MHz | > 500 kHz | 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 (FOR REFERENCE ONLY) | Hewlett Packard | 8341B  | TGM | NCR       | 0        |
| Spectrum Analyzer                     | Agilent         | E4440A | AFG | 4/28/2011 | 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  $\pm 4$  dB, and for conducted emissions measurements is less than  $\pm 2.7$  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 peak output power was measured with the EUT set to low, medium, and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting at its maximum data rate and maximum output power.

**De Facto EIRP Limit:** Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36dBm.

NORTHWEST

EMC

Output Power

XMit 2011.04.20

PsaTx 2011.06.20

|                                                                     |   |                                                                                             |                |
|---------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: WMIA-199NI                                                     |   | Work Order: PROS0109                                                                        |                |
| Serial Number: 09435H1000039                                        |   | Date: 07/05/11                                                                              |                |
| Customer: ProSoft Technology, Inc.                                  |   | Temperature: 22.06°C                                                                        |                |
| Attendees: None                                                     |   | Humidity: 48%                                                                               |                |
| Project: None                                                       |   | Barometric Pres.: 1011                                                                      |                |
| Tested by: Jaemi Suh                                                |   | Power: 120V/60Hz                                                                            | Job Site: OC11 |
| TEST SPECIFICATIONS                                                 |   | TEST METHOD                                                                                 |                |
| FCC 15.247:2011                                                     |   | ANSI C63.10:2009                                                                            |                |
| COMMENTS                                                            |   |                                                                                             |                |
| Chain 1. Operating at 802.11 a/g/n. Software power level set to 15. |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                       |   |                                                                                             |                |
|                                                                     |   |                                                                                             |                |
| Configuration #                                                     | 1 | Signature  |                |
|                                                                     |   | Value                                                                                       | Limit          |
| 802.11(g) 6 Mbps                                                    |   |                                                                                             | Result         |
| Low Channel 1 (2412 MHz)                                            |   | 26.3 mW                                                                                     | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 21.278 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 23.249 mW                                                                                   | 1 W            |
| 802.11(g) 36 Mbps                                                   |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 26.025 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 23.552 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 24.117 mW                                                                                   | 1 W            |
| 802.11(g) 54 Mbps                                                   |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 25.184 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 23.674 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 24.738 mW                                                                                   | 1 W            |
| 802.11(n) MCS0                                                      |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 22.542 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 22.652 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 24.485 mW                                                                                   | 1 W            |
| 802.11(n) MCS7                                                      |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 25.284 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 24.271 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 19.892 mW                                                                                   | 1 W            |
| 802.11(n) MCS8                                                      |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 25.871 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 21.088 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 23.787 mW                                                                                   | 1 W            |
| 802.11(n) MCS15                                                     |   |                                                                                             |                |
| Low Channel 1 (2412 MHz)                                            |   | 23.131 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 21.075 mW                                                                                   | 1 W            |
| High Channel 11 (2462 MHz)                                          |   | 24.887 mW                                                                                   | 1 W            |
| 802.11(n) MCS0(40 MHz)                                              |   |                                                                                             |                |
| Low Channel 1 (2422 MHz)                                            |   | 19.989 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 19.08 mW                                                                                    | 1 W            |
| High Channel 11 (2452 MHz)                                          |   | 20.248 mW                                                                                   | 1 W            |
| 802.11(n) MCS7(40 MHz)                                              |   |                                                                                             |                |
| Low Channel 1 (2422 MHz)                                            |   | 22.26 mW                                                                                    | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 21.967 mW                                                                                   | 1 W            |
| High Channel 11 (2452 MHz)                                          |   | 20.394 mW                                                                                   | 1 W            |
| 802.11(n) MCS8(40 MHz)                                              |   |                                                                                             |                |
| Low Channel 1 (2422 MHz)                                            |   | 21.881 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 20.621 mW                                                                                   | 1 W            |
| High Channel 11 (2452 MHz)                                          |   | 20.691 mW                                                                                   | 1 W            |
| 802.11(n) MCS15(40 MHz)                                             |   |                                                                                             |                |
| Low Channel 1 (2422 MHz)                                            |   | 21.904 mW                                                                                   | 1 W            |
| Mid Channel 6 (2437 MHz)                                            |   | 20.741 mW                                                                                   | 1 W            |
| High Channel 11 (2452 MHz)                                          |   | 20.297 mW                                                                                   | 1 W            |
| 802.11(a) 6 Mbps                                                    |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 38.483 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 34.476 mW                                                                                   | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 36.25 mW                                                                                    | 1 W            |
| 802.11(a) 36 Mbps                                                   |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 36.524 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 40.05 mW                                                                                    | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 37.444 mW                                                                                   | 1 W            |
| 802.11(a) 54 Mbps                                                   |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 36.483 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 40.977 mW                                                                                   | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 36.798 mW                                                                                   | 1 W            |
| 802.11(n) MCS0 5GHz                                                 |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 37.398 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 39.8 mW                                                                                     | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 41.18 mW                                                                                    | 1 W            |
| 802.11(n) MCS7 5GHz                                                 |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 30.338 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 34.558 mW                                                                                   | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 37.385 mW                                                                                   | 1 W            |
| 802.11(n) MCS8 5GHz                                                 |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 37.218 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 41.187 mW                                                                                   | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 37.278 mW                                                                                   | 1 W            |
| 802.11(n) MCS15 5GHz                                                |   |                                                                                             |                |
| Low Channel 149 (5745 MHz)                                          |   | 36.987 mW                                                                                   | 1 W            |
| Mid Channel 157 (5785 MHz)                                          |   | 41.482 mW                                                                                   | 1 W            |
| High Channel 165 (5825 MHz)                                         |   | 36.851 mW                                                                                   | 1 W            |
| 802.11(n) MCS0(40 MHz) 5GHz                                         |   |                                                                                             |                |
| Low Channel 149 (5755 MHz)                                          |   | 38.694 mW                                                                                   | 1 W            |
| High Channel 165 (5795 MHz)                                         |   | 41.366 mW                                                                                   | 1 W            |
| 802.11(n) MCS7(40 MHz) 5GHz                                         |   |                                                                                             |                |
| Low Channel 149 (5755 MHz)                                          |   | 38.557 mW                                                                                   | 1 W            |
| High Channel 165 (5795 MHz)                                         |   | 42.077 mW                                                                                   | 1 W            |
| 802.11(n) MCS8(40 MHz) 5GHz                                         |   |                                                                                             |                |
| Low Channel 149 (5755 MHz)                                          |   | 38.059 mW                                                                                   | 1 W            |
| High Channel 165 (5795 MHz)                                         |   | 32.512 mW                                                                                   | 1 W            |
| 802.11(n) MCS15(40 MHz) 5GHz                                        |   |                                                                                             |                |
| Low Channel 149 (5755 MHz)                                          |   | 33.373 mW                                                                                   | 1 W            |
| High Channel 165 (5795 MHz)                                         |   | 32.842 mW                                                                                   | 1 W            |

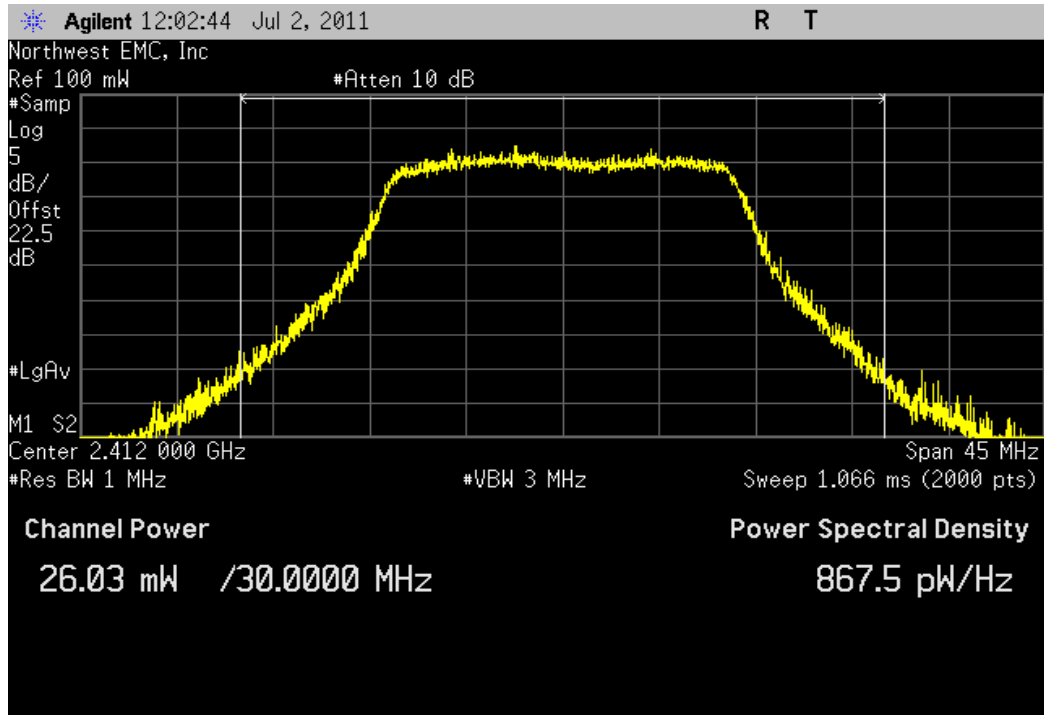
## Output Power

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

26.025 mW

1 W

Pass

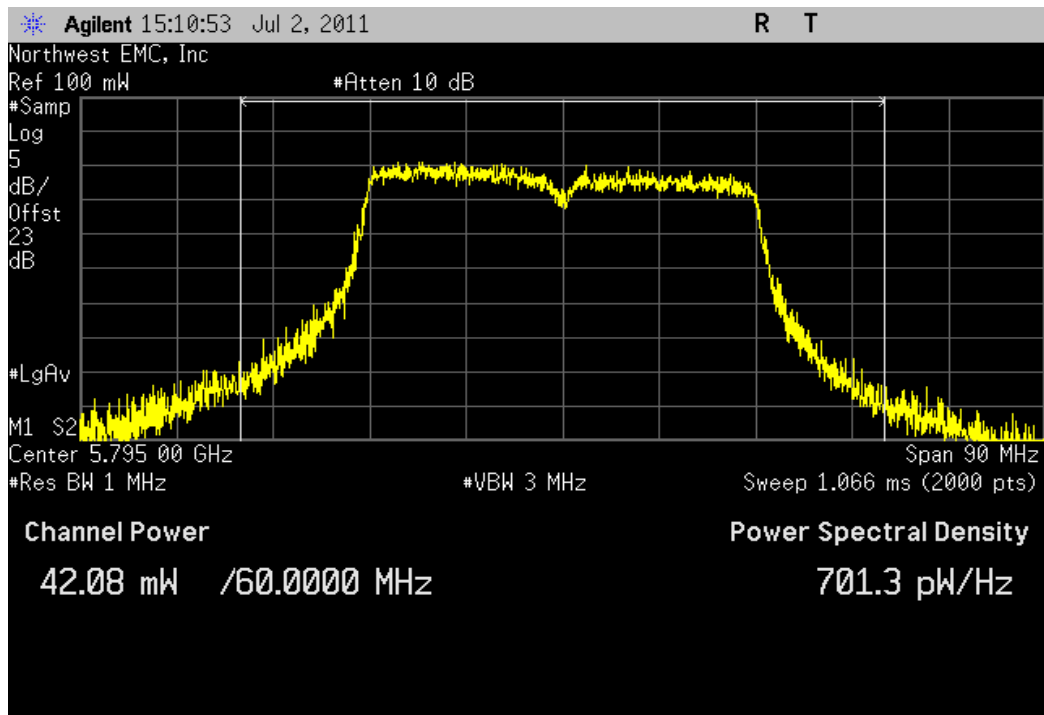


802.11(n) MCS7(40 MHz) 5GHz, High Channel 165 (5795 MHz)

42.077 mW

1 W

Pass





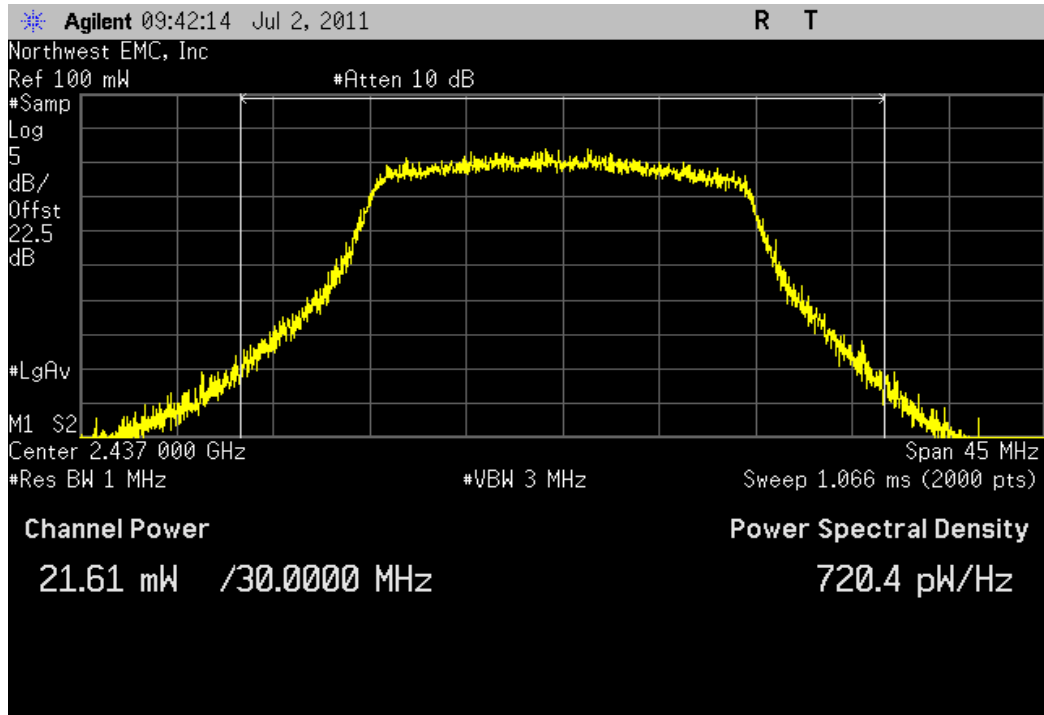
## Output Power

802.11(n) MCS15, Mid Channel 6 (2437 MHz)

21.611 mW

< 1 W

Pass

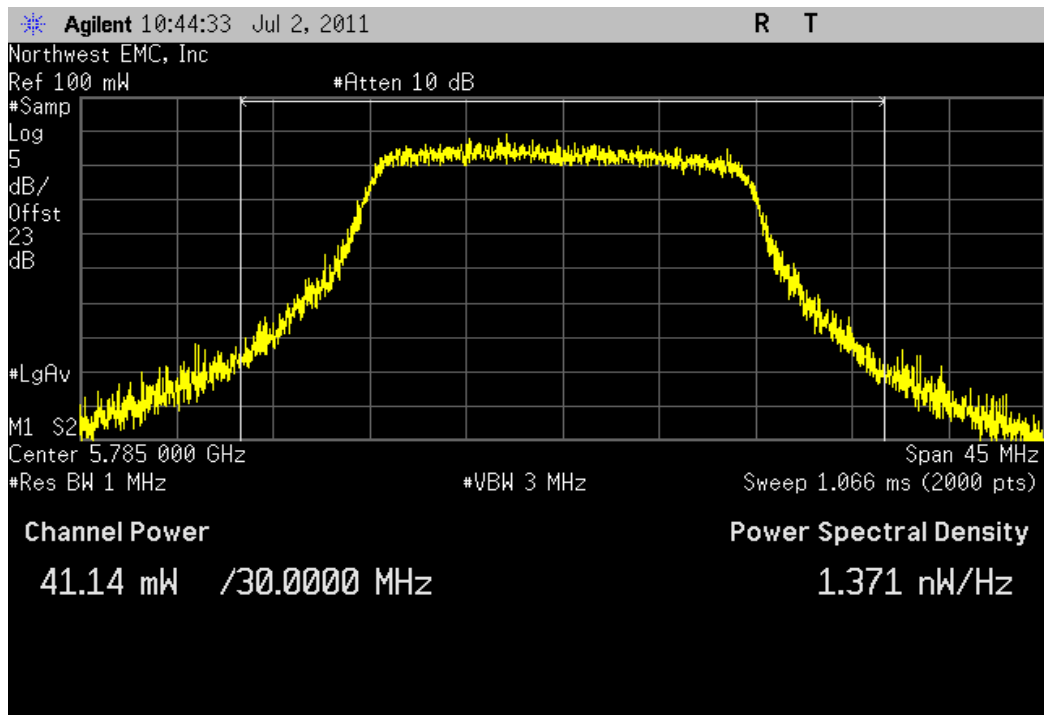


802.11(n) MCS15 5GHz, Mid Channel 157 (5785 MHz)

41.137 mW

< 1 W

Pass



|                                                                     |   |                                                                                             |       |                                     |  |
|---------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-------|-------------------------------------|--|
| NORTHWEST                                                           |   | Output Power                                                                                |       | XMIT 2011.04.20<br>PsaTx 2011.06.20 |  |
| EMC                                                                 |   |                                                                                             |       |                                     |  |
| EUT: WMIA-199NI                                                     |   | Work Order: PROS0109                                                                        |       |                                     |  |
| Serial Number: 09435H1000039                                        |   | Date: 07/07/11                                                                              |       |                                     |  |
| Customer: ProSoft Technology, Inc.                                  |   | Temperature: 22.06°C                                                                        |       |                                     |  |
| Attendees: None                                                     |   | Humidity: 48%                                                                               |       |                                     |  |
| Project: None                                                       |   | Barometric Pres.: 1011                                                                      |       |                                     |  |
| Tested by: Jaemi Suh                                                |   | Power: 120V/60Hz                                                                            |       | Job Site: OC11                      |  |
| TEST SPECIFICATIONS                                                 |   | TEST METHOD                                                                                 |       |                                     |  |
| FCC 15.247:2011                                                     |   | ANSI C63.10:2009                                                                            |       |                                     |  |
| COMMENTS                                                            |   |                                                                                             |       |                                     |  |
| Chain 3. Operating at 802.11 a/g/n. Software power level set to 15. |   |                                                                                             |       |                                     |  |
| DEVIATIONS FROM TEST STANDARD                                       |   |                                                                                             |       |                                     |  |
|                                                                     |   |                                                                                             |       |                                     |  |
| Configuration #                                                     | 3 | Signature  |       |                                     |  |
|                                                                     |   | Value                                                                                       | Limit | Result                              |  |
| 802.11(g) 6 Mbps                                                    |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 28.906 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 23.766 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 23.238 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(g) 36 Mbps                                                   |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 24.165 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 22.806 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 21.967 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(g) 54 Mbps                                                   |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 25.443 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 21.191 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 21.854 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS0                                                      |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 24.561 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 21.527 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 24.266 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS7                                                      |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 24.65 mW                                                                                    | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 19.924 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 21.431 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS8                                                      |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 27.094 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 22.918 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 21.52 mW                                                                                    | 1 W   | Pass                                |  |
| 802.11(n) MCS15                                                     |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2412 MHz)                                            |   | 24.696 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 20.917 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2462 MHz)                                          |   | 21.142 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS0(40 MHz)                                              |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2422 MHz)                                            |   | 22.28 mW                                                                                    | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 22.049 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2452 MHz)                                          |   | 23.685 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS7(40 MHz)                                              |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2422 MHz)                                            |   | 22.594 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 21.209 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2452 MHz)                                          |   | 20.037 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS8(40 MHz)                                              |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2422 MHz)                                            |   | 22.254 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 23.192 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 11 (2452 MHz)                                          |   | 23.633 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS15(40 MHz)                                             |   |                                                                                             |       |                                     |  |
| Low Channel 1 (2422 MHz)                                            |   | 22.835 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 6 (2437 MHz)                                            |   | 23.13 mW                                                                                    | 1 W   | Pass                                |  |
| High Channel 11 (2452 MHz)                                          |   | 20.243 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(a) 6 Mbps                                                    |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 20.544 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 27.134 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 28.781 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(a) 36 Mbps                                                   |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 24.07 mW                                                                                    | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 24.572 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 24.935 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(a) 54 Mbps                                                   |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 23.248 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 25.726 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 25.376 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS0 5GHz                                                 |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 25.409 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 21.618 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 24.842 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS7 5GHz                                                 |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 22.635 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 23.37 mW                                                                                    | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 25.007 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS8 5GHz                                                 |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 24.516 mW                                                                                   | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 24.619 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 28.112 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS15 5GHz                                                |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5745 MHz)                                          |   | 21.93 mW                                                                                    | 1 W   | Pass                                |  |
| Mid Channel 157 (5785 MHz)                                          |   | 22.88 mW                                                                                    | 1 W   | Pass                                |  |
| High Channel 165 (5825 MHz)                                         |   | 24.14 mW                                                                                    | 1 W   | Pass                                |  |
| 802.11(n) MCS0(40 MHz)5GHz                                          |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5755 MHz)                                          |   | 25.171 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5795 MHz)                                         |   | 23.528 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS7(40 MHz) 5GHz                                         |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5755 MHz)                                          |   | 22.042 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5795 MHz)                                         |   | 23.467 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS8(40 MHz) 5GHz                                         |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5755 MHz)                                          |   | 25.25 mW                                                                                    | 1 W   | Pass                                |  |
| High Channel 165 (5795 MHz)                                         |   | 26.203 mW                                                                                   | 1 W   | Pass                                |  |
| 802.11(n) MCS15(40 MHz) 5GHz                                        |   |                                                                                             |       |                                     |  |
| Low Channel 149 (5755 MHz)                                          |   | 24.893 mW                                                                                   | 1 W   | Pass                                |  |
| High Channel 165 (5795 MHz)                                         |   | 24.071 mW                                                                                   | 1 W   | Pass                                |  |

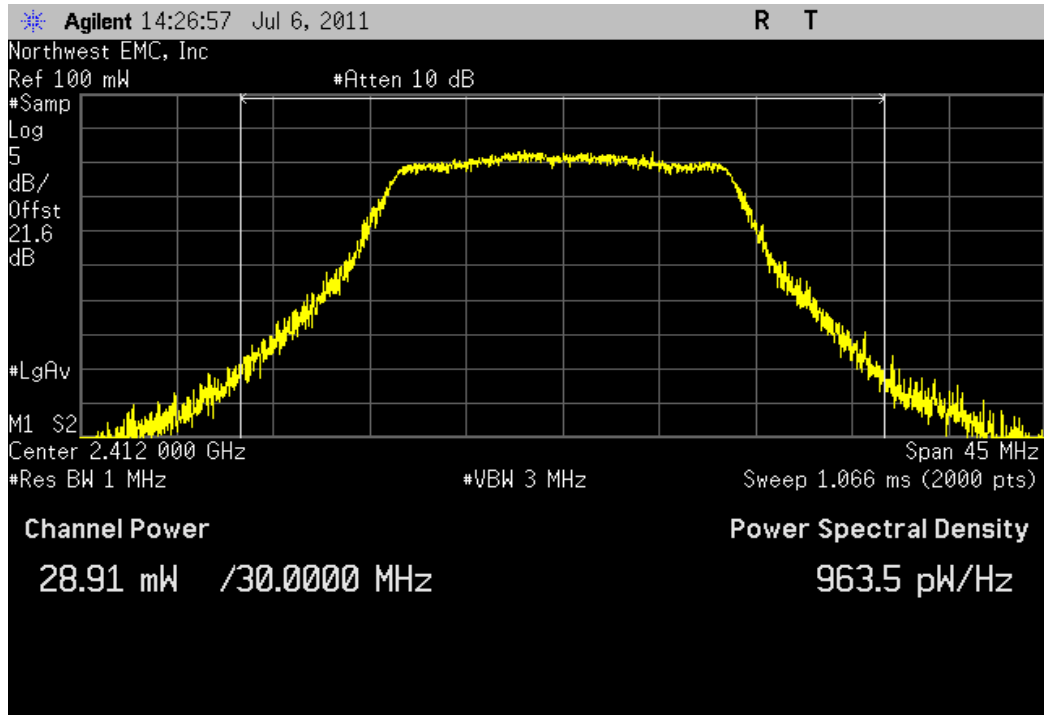
## Output Power

802.11(g) 6 Mbps, Low Channel 1 (2412 MHz)

28.906 mW

1 W

Pass

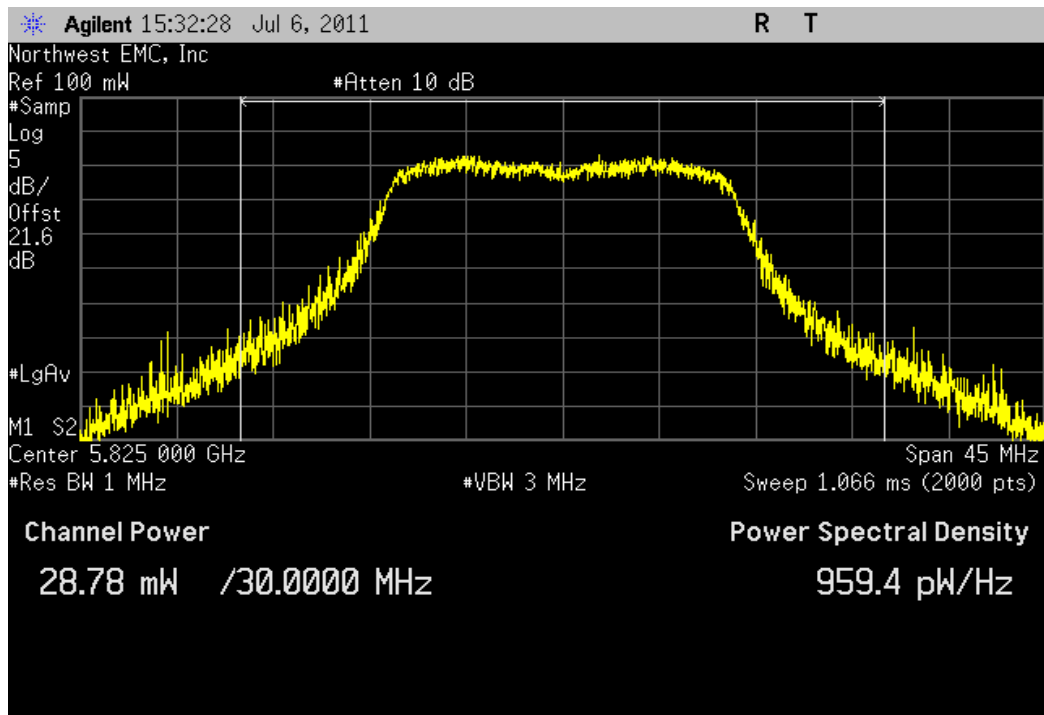


802.11(a) 6 Mbps, High Channel 165 (5825 MHz)

28.781 mW

1 W

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       |
| Spectrum Analyzer | Agilent         | E4440A | AFG | 4/28/2011 | 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

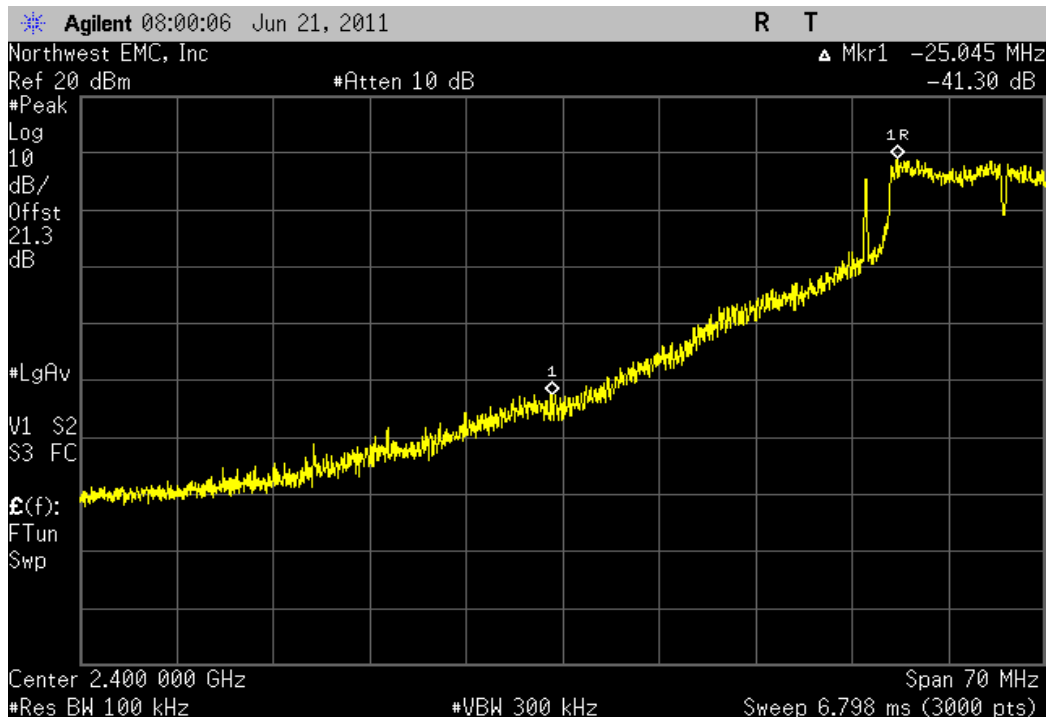
The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in the ISM band. The channels closest to the band edges were selected. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the required data rates available in 802.11(a)/(g)/(n).

The spectrum was scanned across each band edge from 30 MHz below the band edge to 30 MHz above the band edge.

| NORTHWEST                                                |   | EMC                                                                                                    |  | Band Edge Compliance   |           | XMit 2011.04.20<br>PsaTx 2011.06.20 |  |
|----------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------|--|------------------------|-----------|-------------------------------------|--|
| EUT: WMIA-199NI                                          |   |                                                                                                        |  | Work Order: PROS0109   |           |                                     |  |
| Serial Number: 09435H1000039                             |   |                                                                                                        |  | Date: 06/20/11         |           |                                     |  |
| Customer: ProSoft Technology, Inc.                       |   |                                                                                                        |  | Temperature: 22.06°C   |           |                                     |  |
| Attendees: None                                          |   |                                                                                                        |  | Humidity: 48%          |           |                                     |  |
| Project: None                                            |   |                                                                                                        |  | Barometric Pres.: 1011 |           |                                     |  |
| Tested by: Jaemi Suh                                     |   | Power: 120V/60Hz                                                                                       |  | Job Site: OC11         |           |                                     |  |
| TEST SPECIFICATIONS                                      |   |                                                                                                        |  | TEST METHOD            |           |                                     |  |
| FCC 15.247:2011                                          |   |                                                                                                        |  | ANSI C63.10:2009       |           |                                     |  |
| COMMENTS                                                 |   |                                                                                                        |  |                        |           |                                     |  |
| Chain 1. Operating at 802.11 a/g/n. PC Power Level = 15. |   |                                                                                                        |  |                        |           |                                     |  |
| DEVIATIONS FROM TEST STANDARD                            |   |                                                                                                        |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  |                        |           |                                     |  |
| Configuration #                                          | 1 | <div>Signature </div> |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  | Value                  | Limit     | Result                              |  |
| 802.11(g) 6 Mbps                                         |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -41.3 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -24.02 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS8                                           |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -30.88 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -21.62 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n)(40 MHz) MCS8                                   |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2422 MHz)                                 |   |                                                                                                        |  | -20.93 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2452 MHz)                               |   |                                                                                                        |  | -26.46 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(a) 54 Mbps                                        |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -22.85 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -29.24 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS8                                           |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -21.52 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -27.19 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) (40 MHz) MCS7                                  |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5755 MHz)                               |   |                                                                                                        |  | -20.6 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5795 MHz)                              |   |                                                                                                        |  | -38.04 dBc             | ≤ -20 dBc | Pass                                |  |

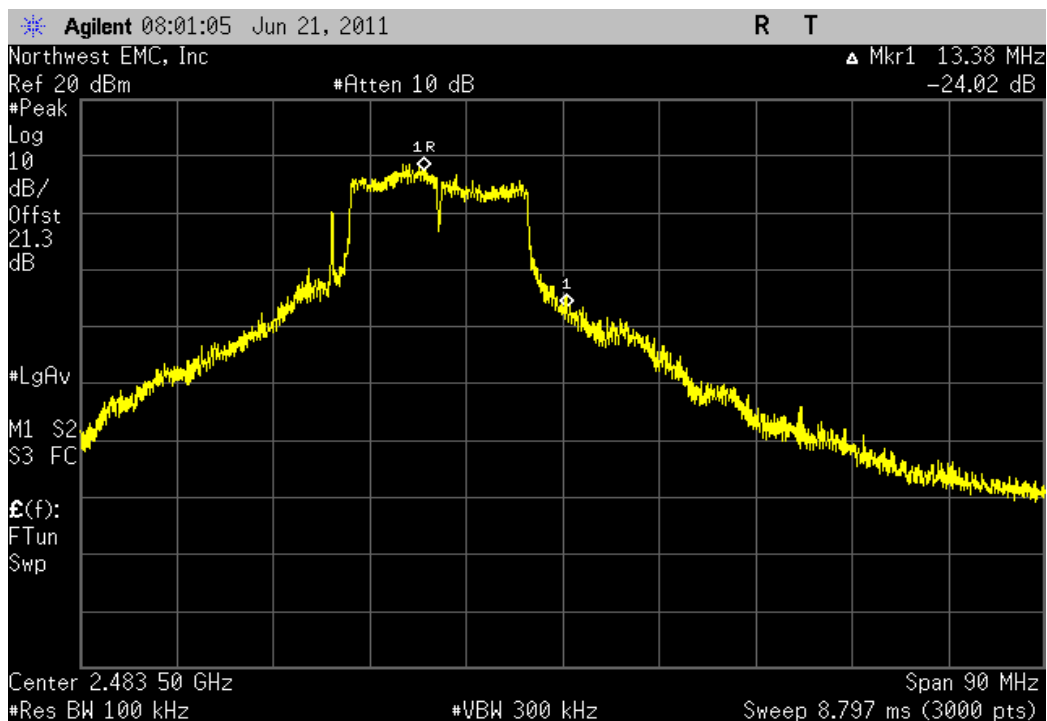
802.11(g) 6 Mbps, Low Channel 1 (2412 MHz)

|  |  |  |  | Value     | Limit     | Result |
|--|--|--|--|-----------|-----------|--------|
|  |  |  |  | -41.3 dBc | ≤ -20 dBc | Pass   |



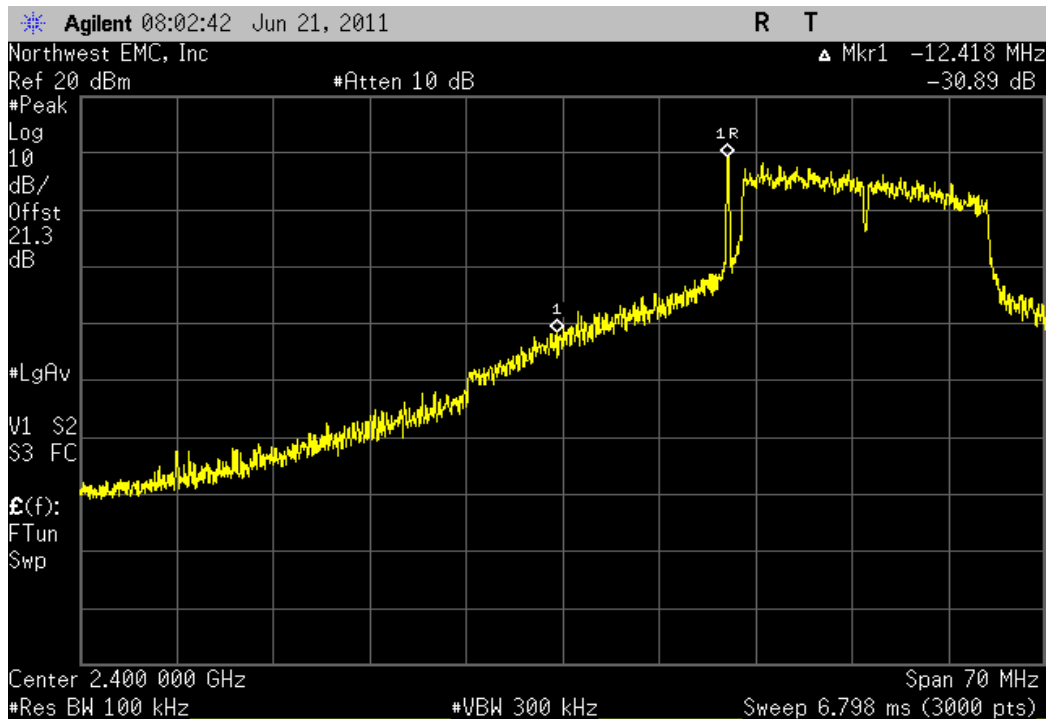
802.11(g) 6 Mbps, High Channel 11 (2462 MHz)

|  |  |  |  | Value      | Limit     | Result |
|--|--|--|--|------------|-----------|--------|
|  |  |  |  | -24.02 dBc | ≤ -20 dBc | Pass   |



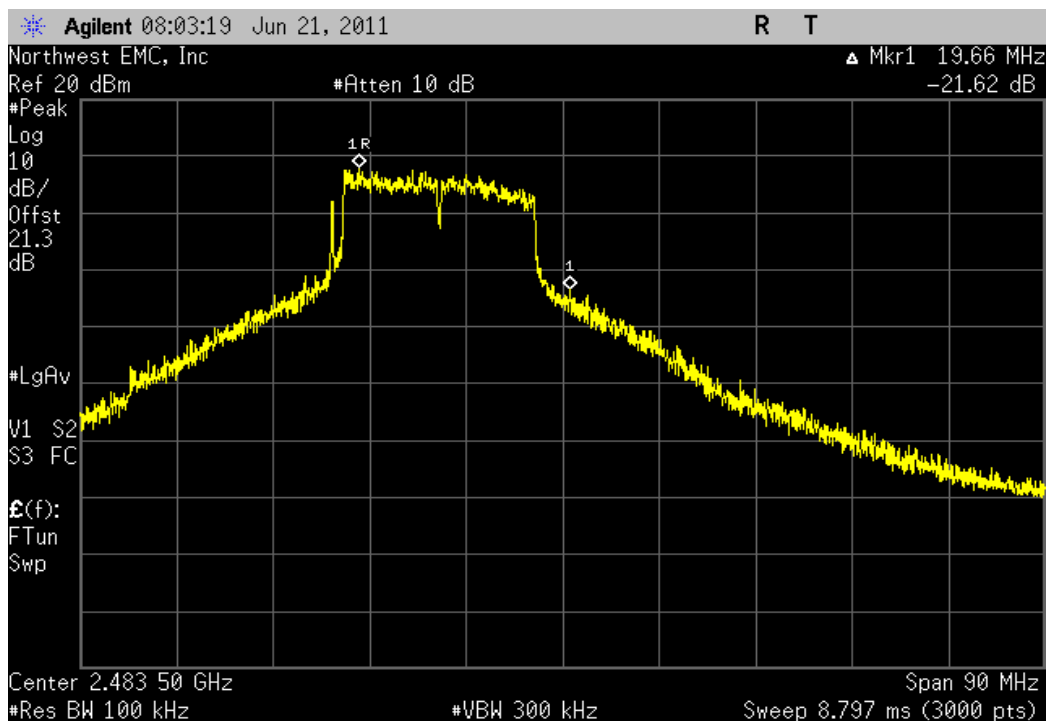
## 802.11(n) MCS8, Low Channel 1 (2412 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -30.88 dBc | $\leq -20$ dBc | Pass   |



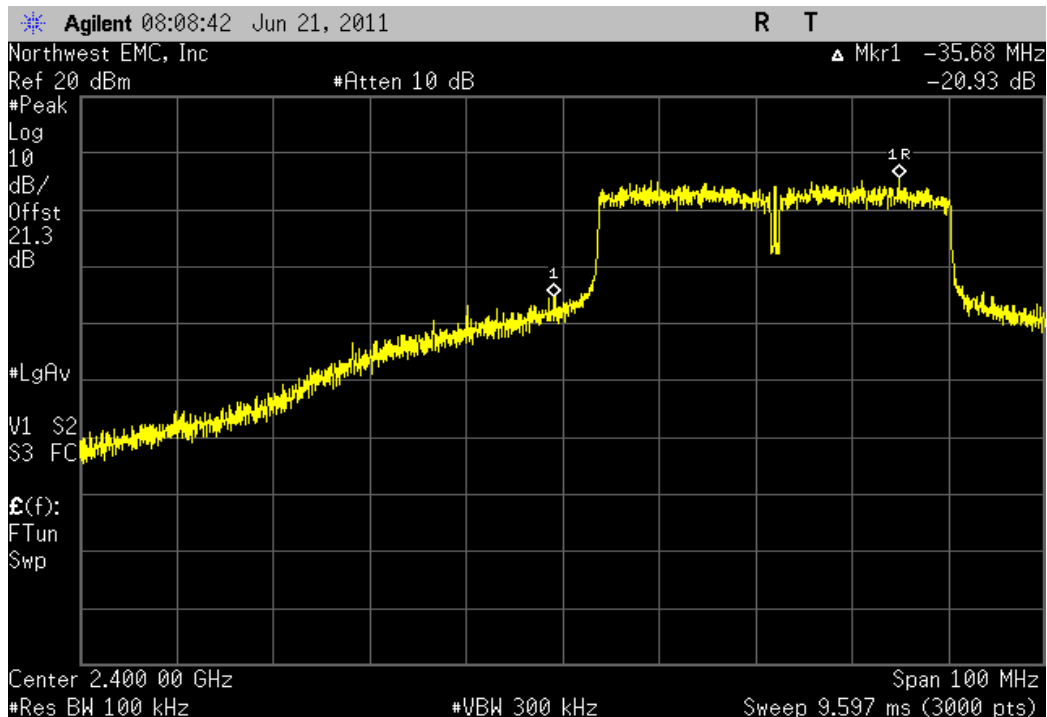
## 802.11(n) MCS8, High Channel 11 (2462 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -21.62 dBc | $\leq -20$ dBc | Pass   |



802.11(n)(40 MHz) MCS15, Low Channel 3 (2422 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -20.93 dBc | $\leq -20$ dBc | Pass   |



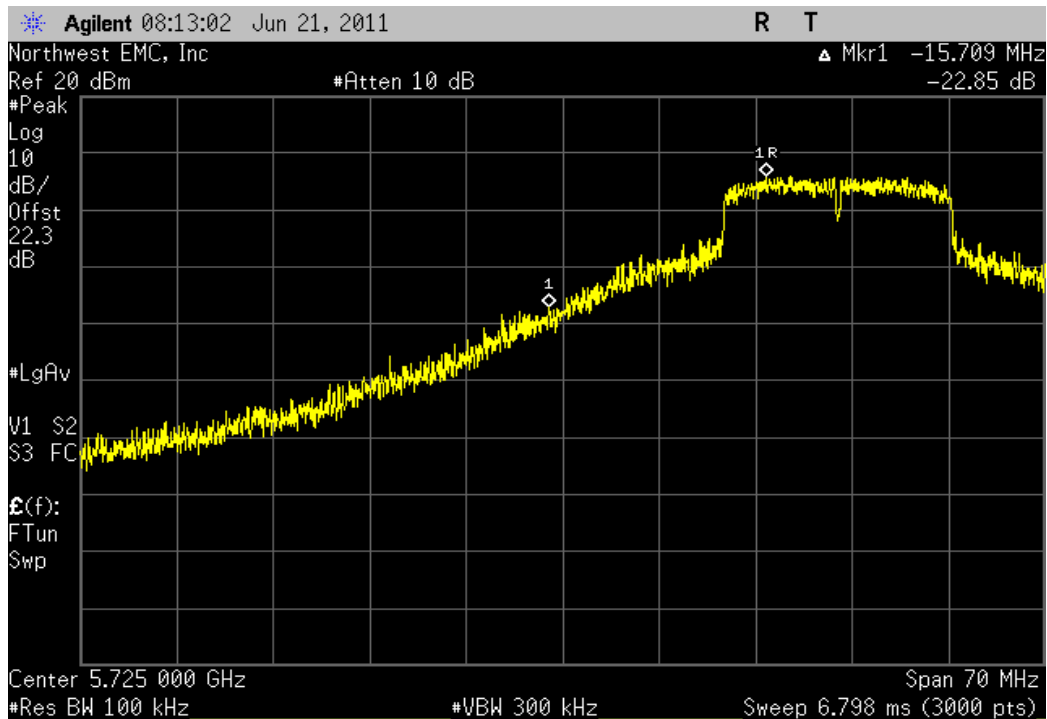
802.11(n)(40 MHz) MCS15, High Channel 9 (2452 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -26.46 dBc | $\leq -20$ dBc | Pass   |



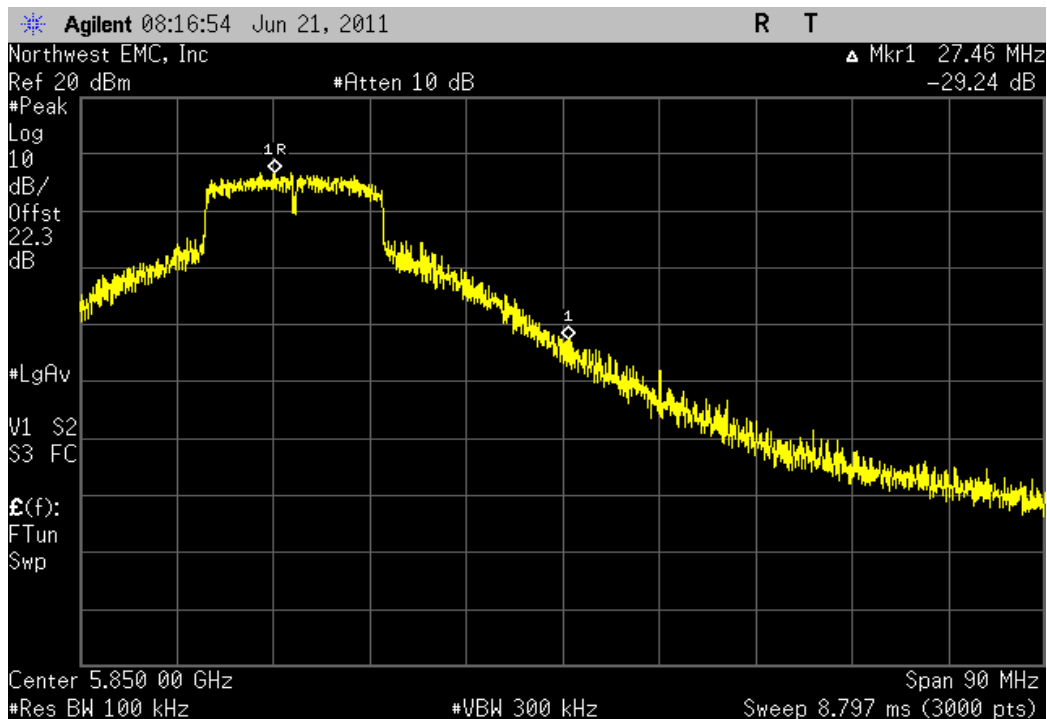
## 802.11(a) 6 Mbps, Low Channel 149 (5745 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -22.85 dBc | $\leq -20$ dBc | Pass   |



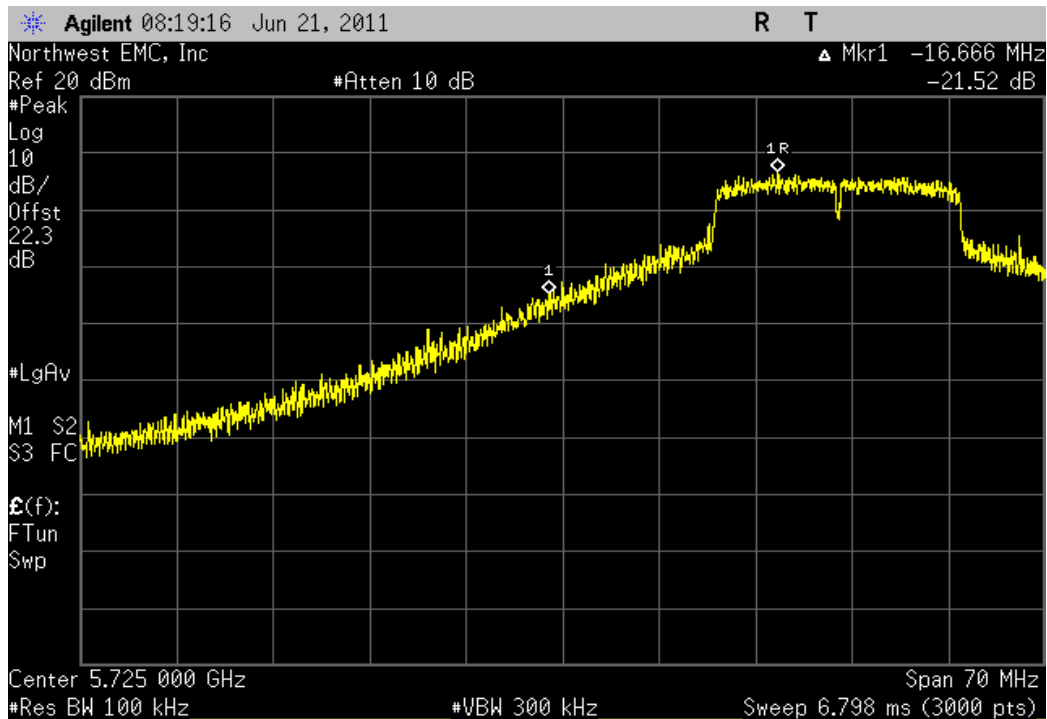
## 802.11(a) 6 Mbps, High Channel 165 (5825 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -29.24 dBc | $\leq -20$ dBc | Pass   |



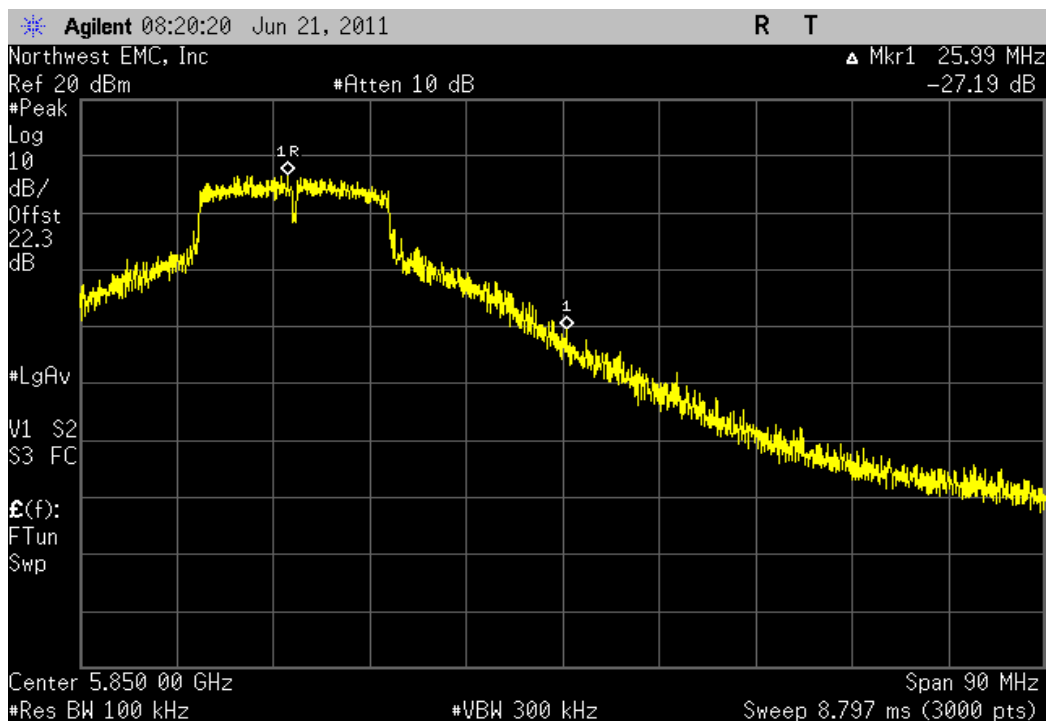
802.11(n) MCS0, Low Channel 149 (5745 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -21.52 dBc | $\leq -20$ dBc | Pass   |



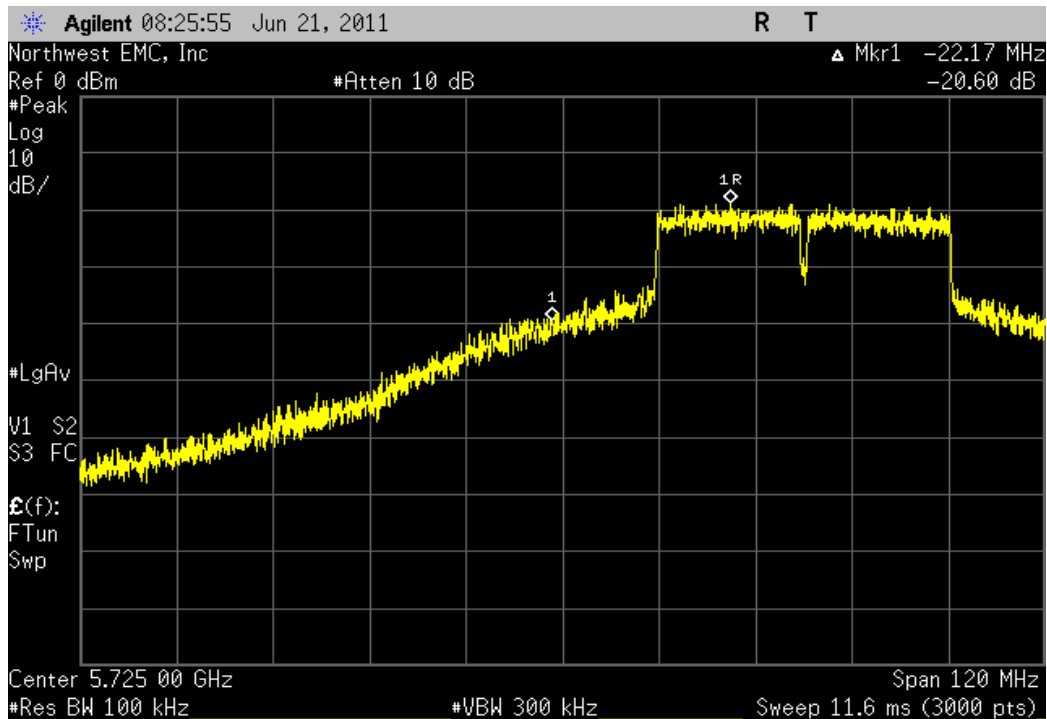
802.11(n) MCS0, High Channel 165 (5825 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -27.19 dBc | $\leq -20$ dBc | Pass   |



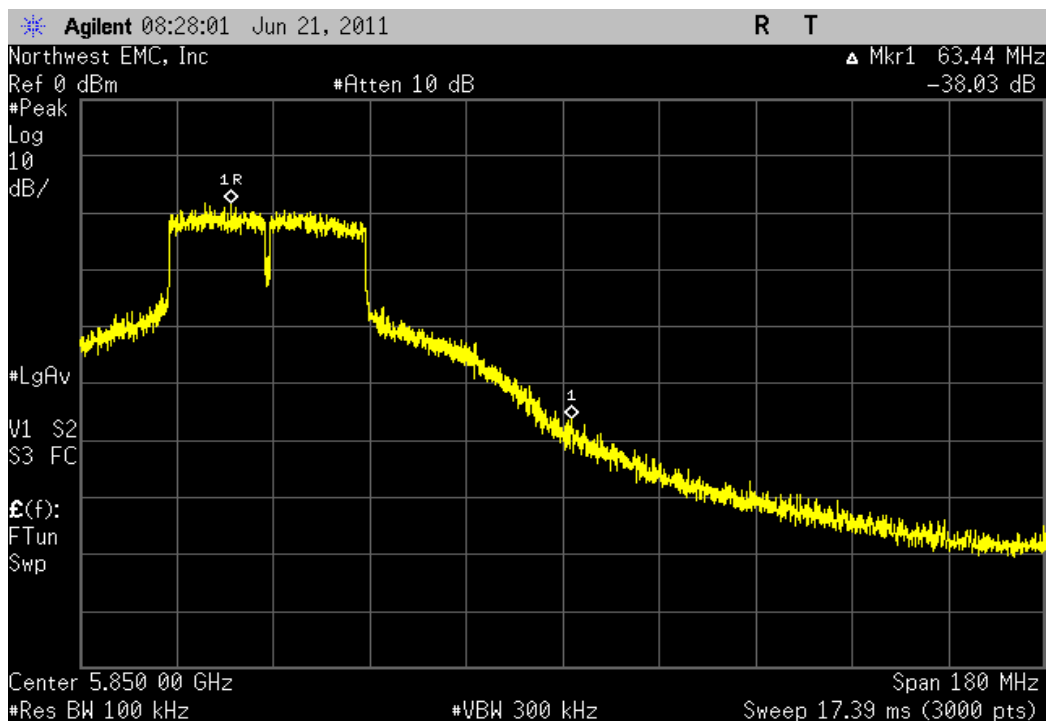
802.11(n) (40 MHz) MCS15, Low Channel 151 (5755 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -20.6 dBc | $\leq -20$ dBc | Pass   |



802.11(n) (40 MHz) MCS15, High Channel 159 (5795 MHz)

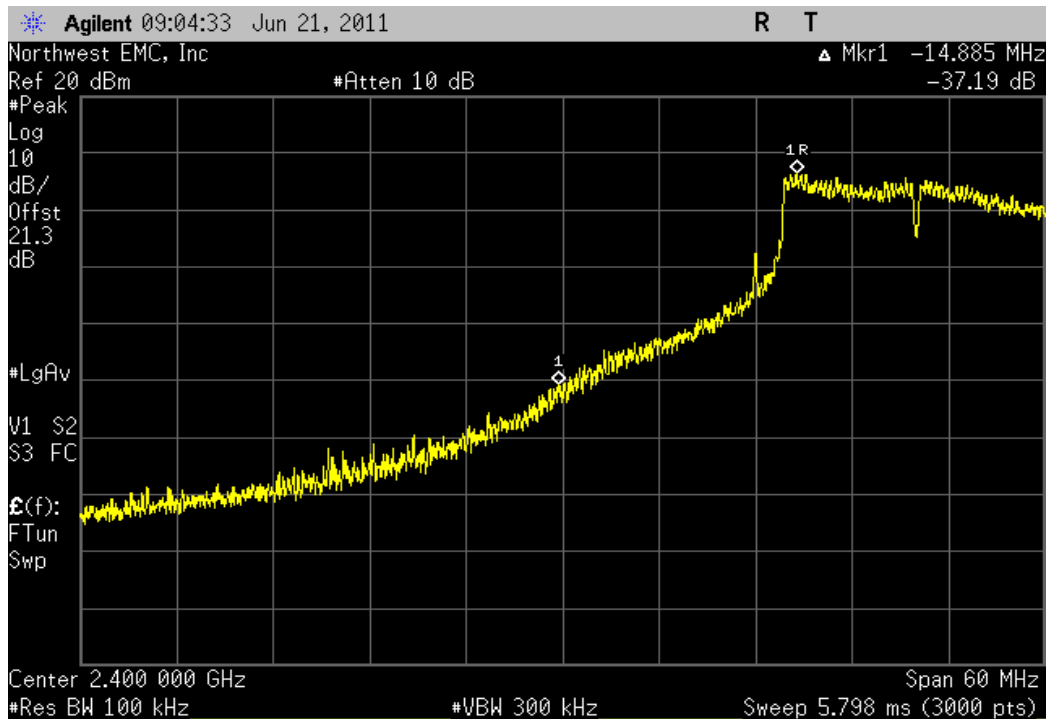
|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -38.04 dBc | $\leq -20$ dBc | Pass   |



| NORTHWEST                                                |   | EMC                                                                                                    |  | Band Edge Compliance   |           | XMit 2011.04.20<br>PsaTx 2011.06.20 |  |
|----------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------|--|------------------------|-----------|-------------------------------------|--|
| EUT: WMIA-199NI                                          |   |                                                                                                        |  | Work Order: PROS0109   |           |                                     |  |
| Serial Number: 09435H1000039                             |   |                                                                                                        |  | Date: 06/20/11         |           |                                     |  |
| Customer: ProSoft Technology, Inc.                       |   |                                                                                                        |  | Temperature: 22.06°C   |           |                                     |  |
| Attendees: None                                          |   |                                                                                                        |  | Humidity: 48%          |           |                                     |  |
| Project: None                                            |   |                                                                                                        |  | Barometric Pres.: 1011 |           |                                     |  |
| Tested by: Jaemi Suh                                     |   | Power: 120V/60Hz                                                                                       |  | Job Site: OC11         |           |                                     |  |
| TEST SPECIFICATIONS                                      |   |                                                                                                        |  | TEST METHOD            |           |                                     |  |
| FCC 15.247:2011                                          |   |                                                                                                        |  | ANSI C63.10:2009       |           |                                     |  |
| COMMENTS                                                 |   |                                                                                                        |  |                        |           |                                     |  |
| Chain 2. Operating at 802.11 a/g/n. PC Power Level = 15. |   |                                                                                                        |  |                        |           |                                     |  |
| DEVIATIONS FROM TEST STANDARD                            |   |                                                                                                        |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  |                        |           |                                     |  |
| Configuration #                                          | 1 | <div>Signature</div>  |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  | Value                  | Limit     | Result                              |  |
| 802.11(g) 54 Mbps                                        |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -37.19 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -26.17 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS15                                          |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -33.94 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -27.19 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n)(40 MHz) MCS15                                  |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2422 MHz)                                 |   |                                                                                                        |  | -23.39 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2452 MHz)                               |   |                                                                                                        |  | -31.68 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(a) 6 Mbps                                         |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -37.18 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -48.51 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS15                                          |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -34.7 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -46.8 dBc              | ≤ -20 dBc | Pass                                |  |
| 802.11(n) (40 MHz) MCS8                                  |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5755 MHz)                               |   |                                                                                                        |  | -36.85 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5795 MHz)                              |   |                                                                                                        |  | -45.93 dBc             | ≤ -20 dBc | Pass                                |  |

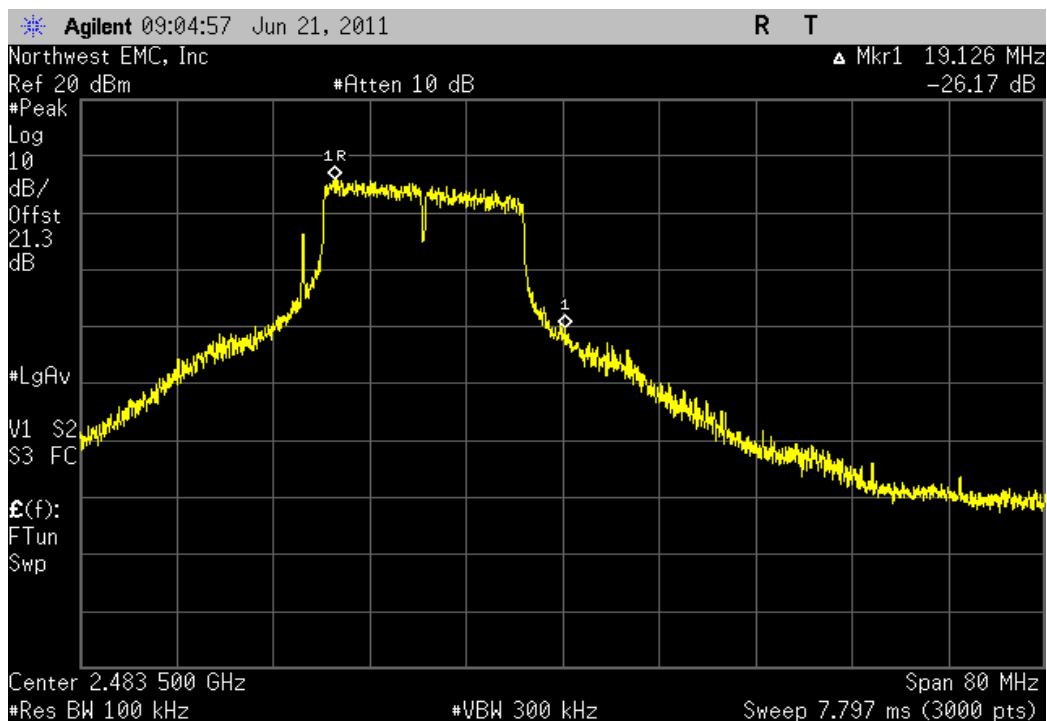
802.11(g) 6 Mbps, Low Channel 1 (2412 MHz)

|  | Value      | Limit     | Result |
|--|------------|-----------|--------|
|  | -37.19 dBc | ≤ -20 dBc | Pass   |



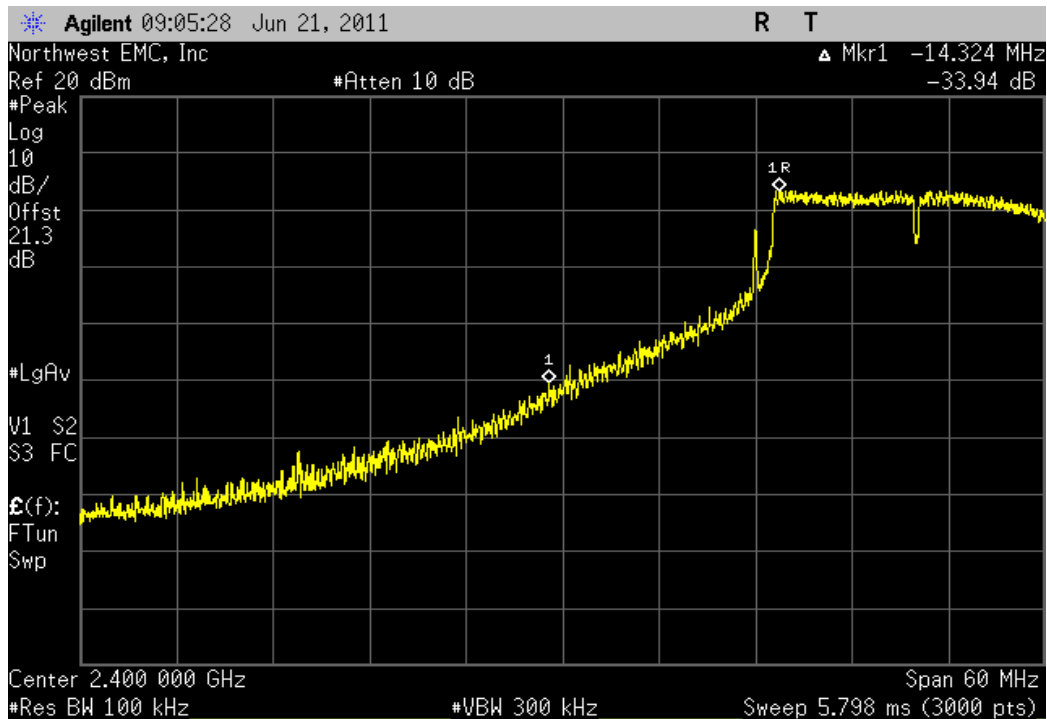
802.11(g) 6 Mbps, High Channel 11 (2462 MHz)

|  | Value      | Limit     | Result |
|--|------------|-----------|--------|
|  | -26.17 dBc | ≤ -20 dBc | Pass   |



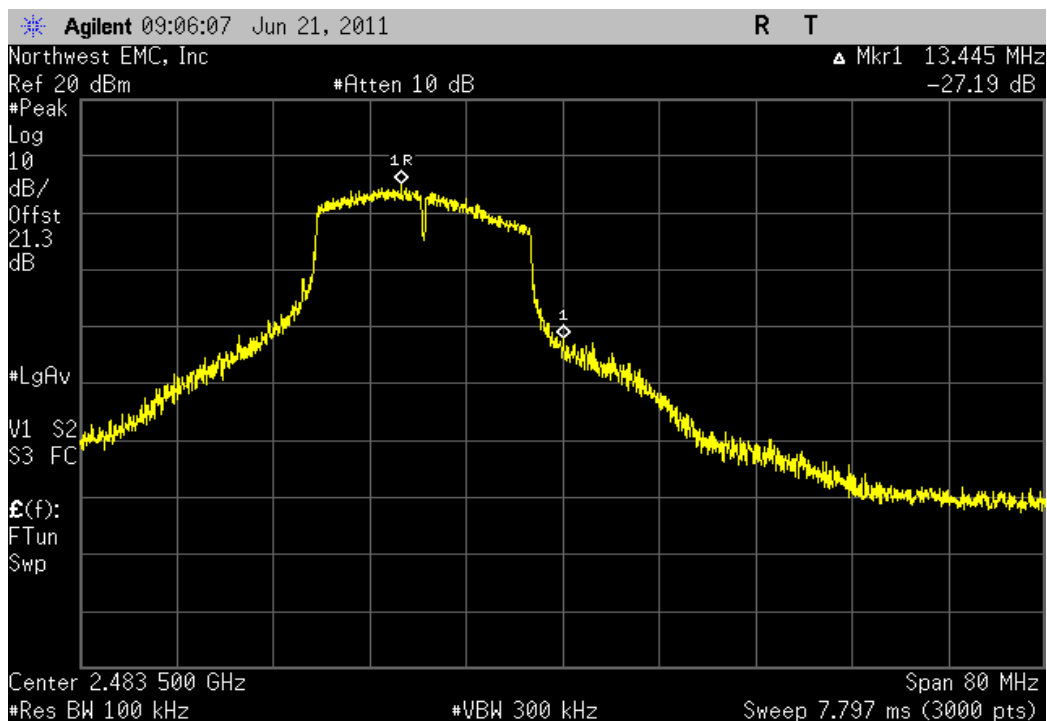
## 802.11(n) MCS8, Low Channel 1 (2412 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -33.94 dBc | $\leq -20$ dBc | Pass   |



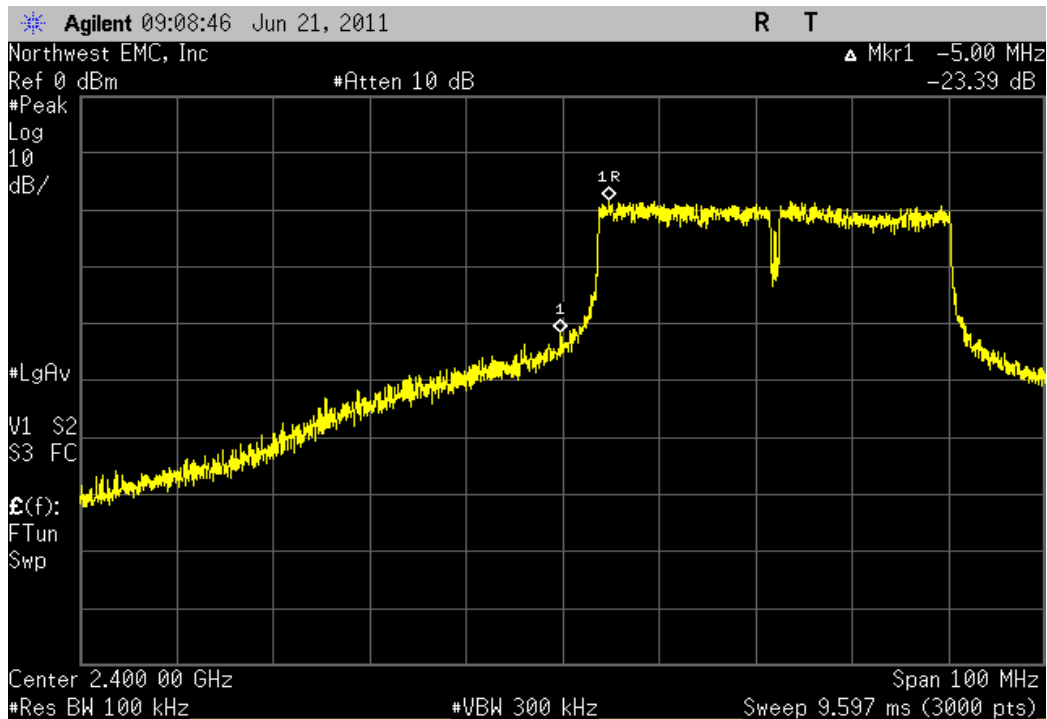
## 802.11(n) MCS8, High Channel 11 (2462 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -27.19 dBc | $\leq -20$ dBc | Pass   |



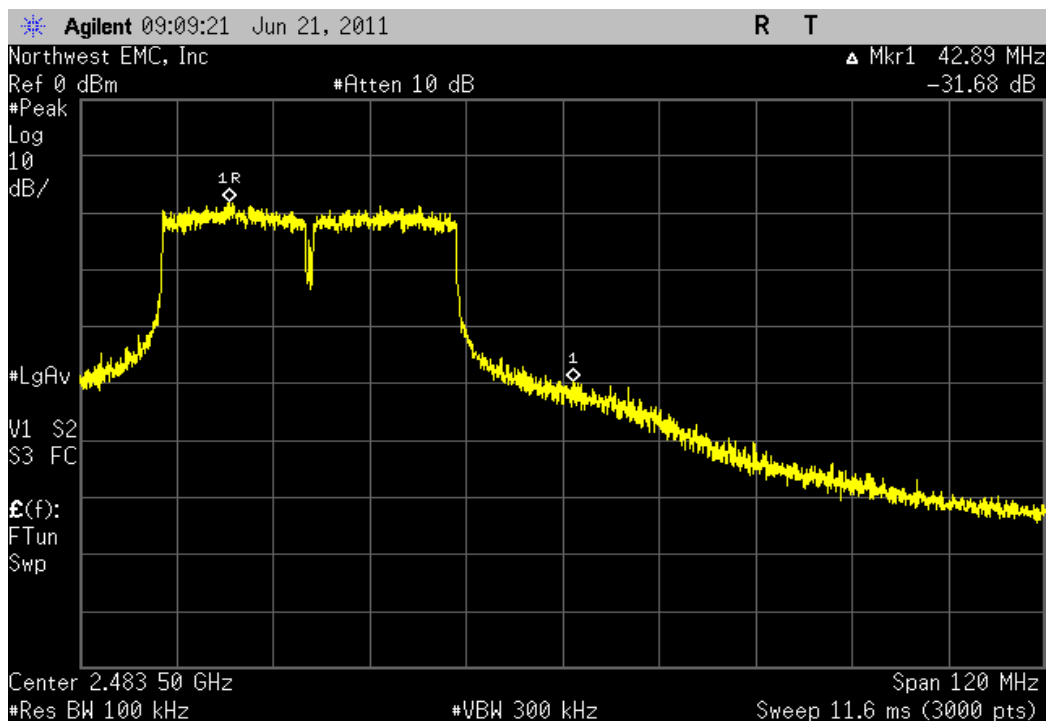
802.11(n)(40 MHz) MCS15, Low Channel 3 (2422 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -23.39 dBc | $\leq -20$ dBc | Pass   |



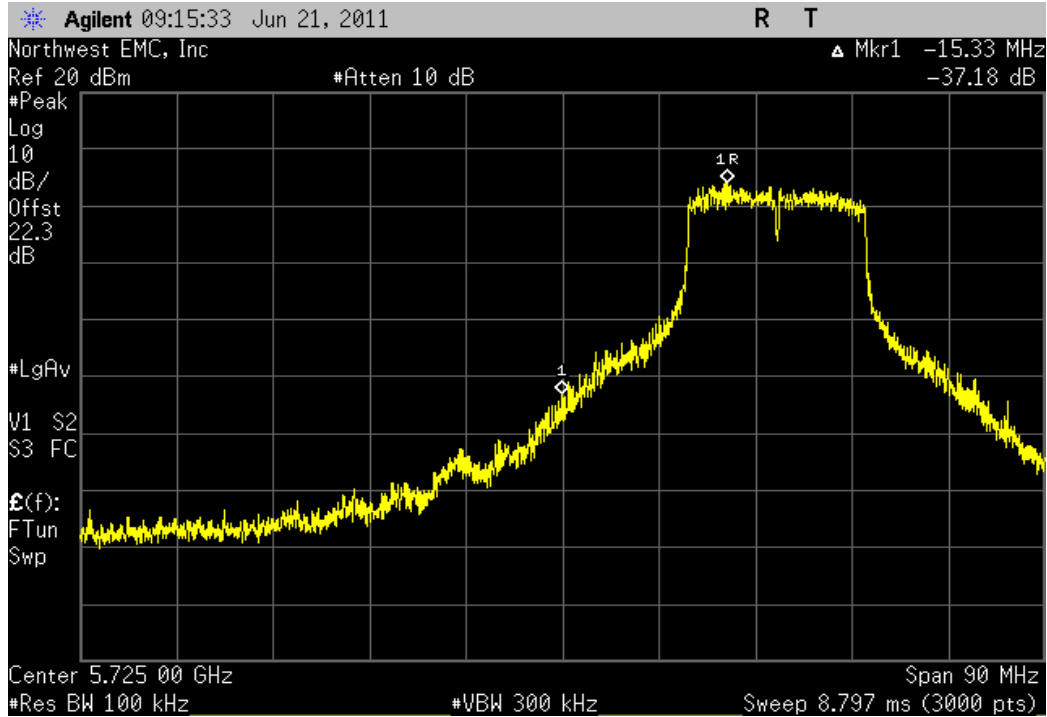
802.11(n)(40 MHz) MCS15, High Channel 9 (2452 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -31.68 dBc | $\leq -20$ dBc | Pass   |



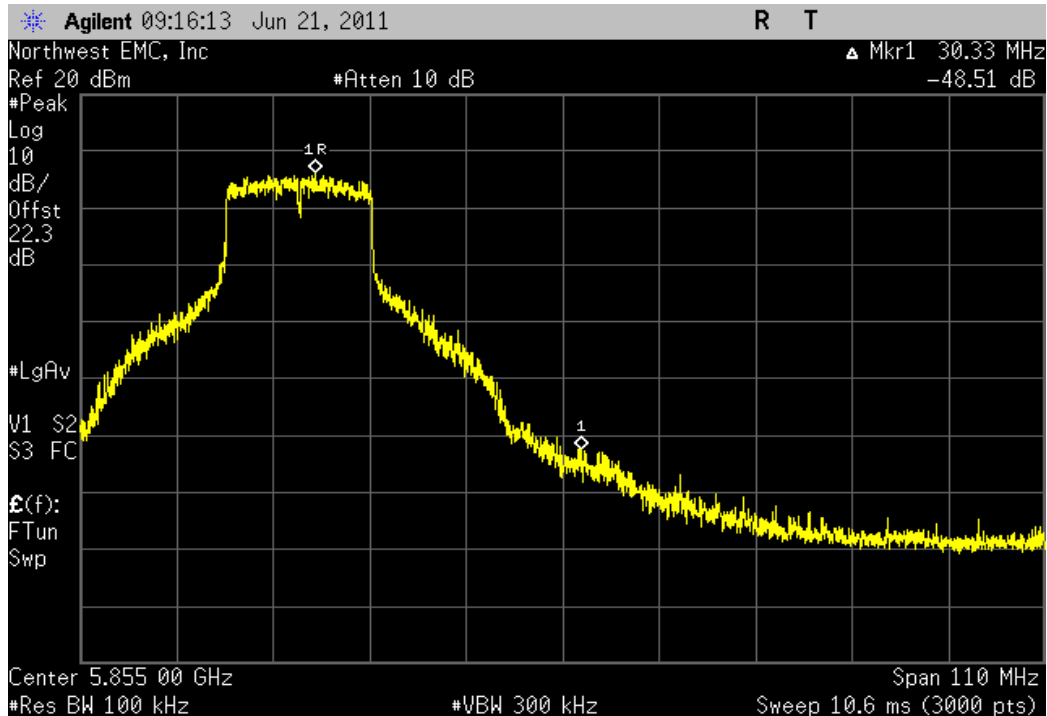
802.11(a) 6 Mbps, Low Channel 149 (5745 MHz)

|  | Value      | Limit          | Result |
|--|------------|----------------|--------|
|  | -37.18 dBc | $\leq -20$ dBc | Pass   |



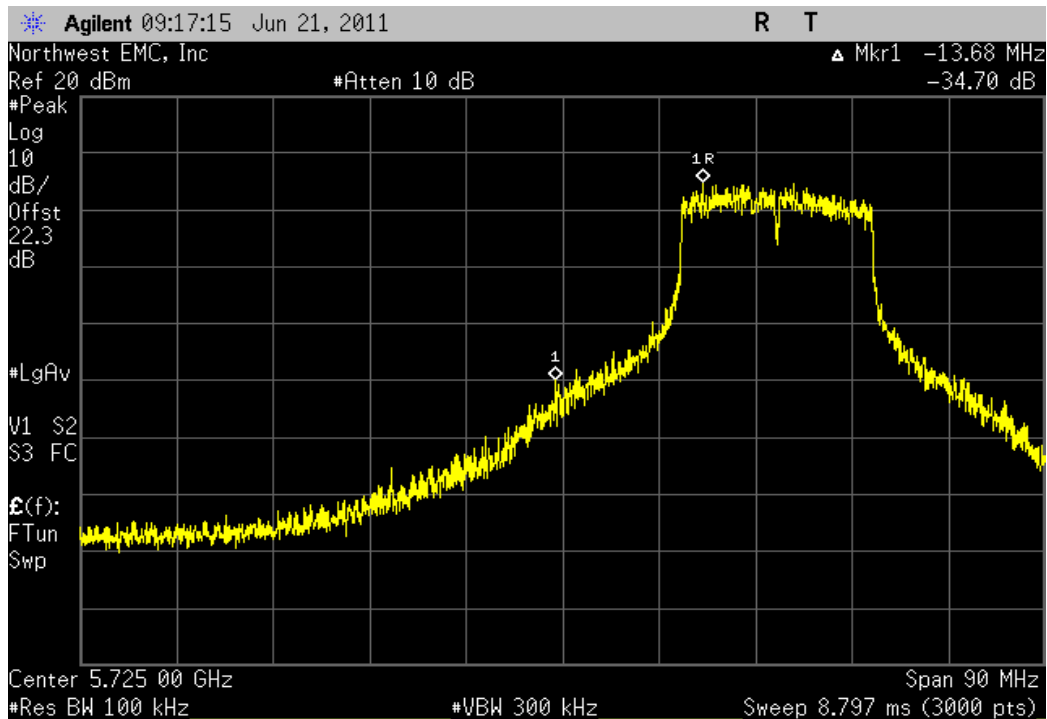
802.11(a) 6 Mbps, High Channel 165 (5825 MHz)

|  | Value      | Limit          | Result |
|--|------------|----------------|--------|
|  | -48.51 dBc | $\leq -20$ dBc | Pass   |



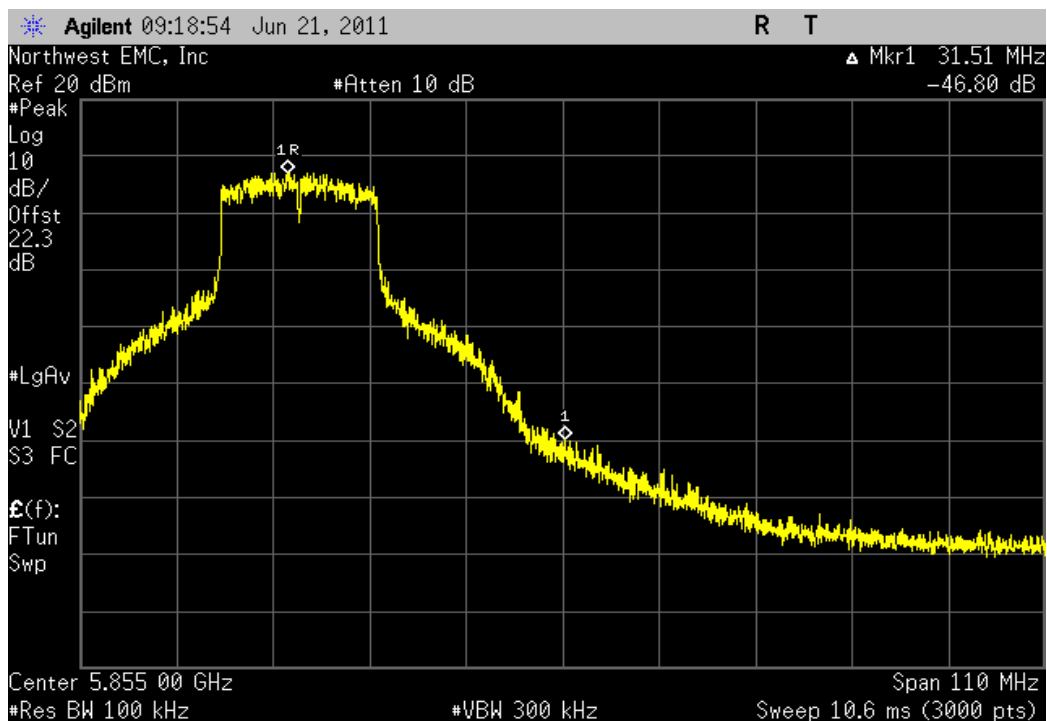
802.11(n) MCS0, Low Channel 149 (5745 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -34.7 dBc | $\leq -20$ dBc | Pass   |



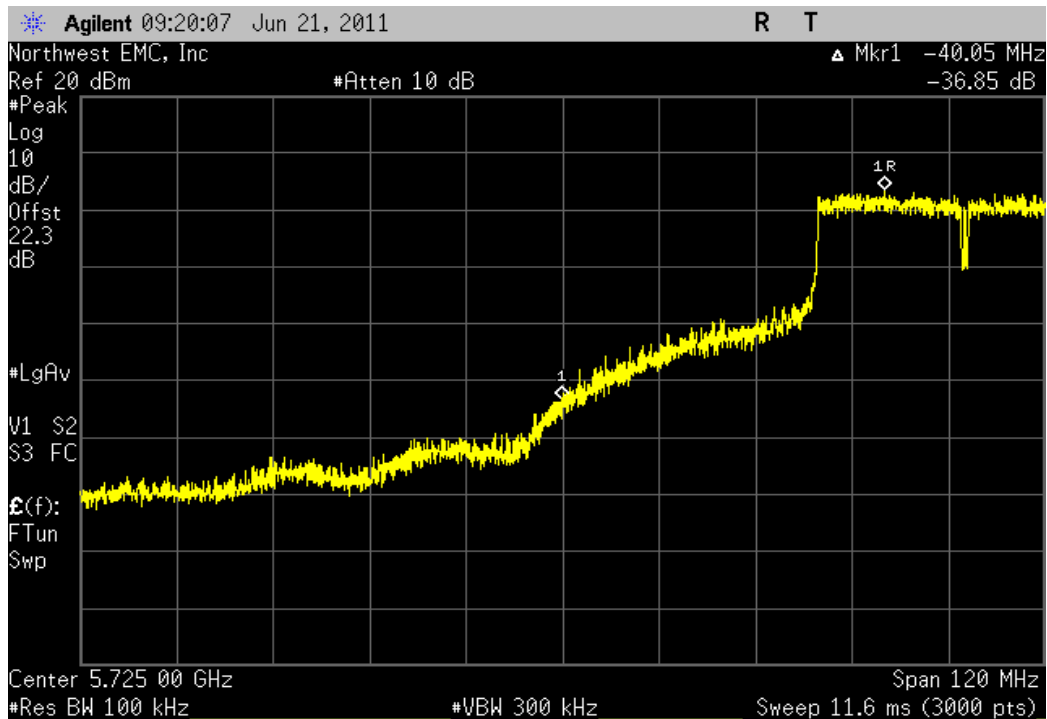
802.11(n) MCS0, High Channel 165 (5825 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -46.8 dBc | $\leq -20$ dBc | Pass   |



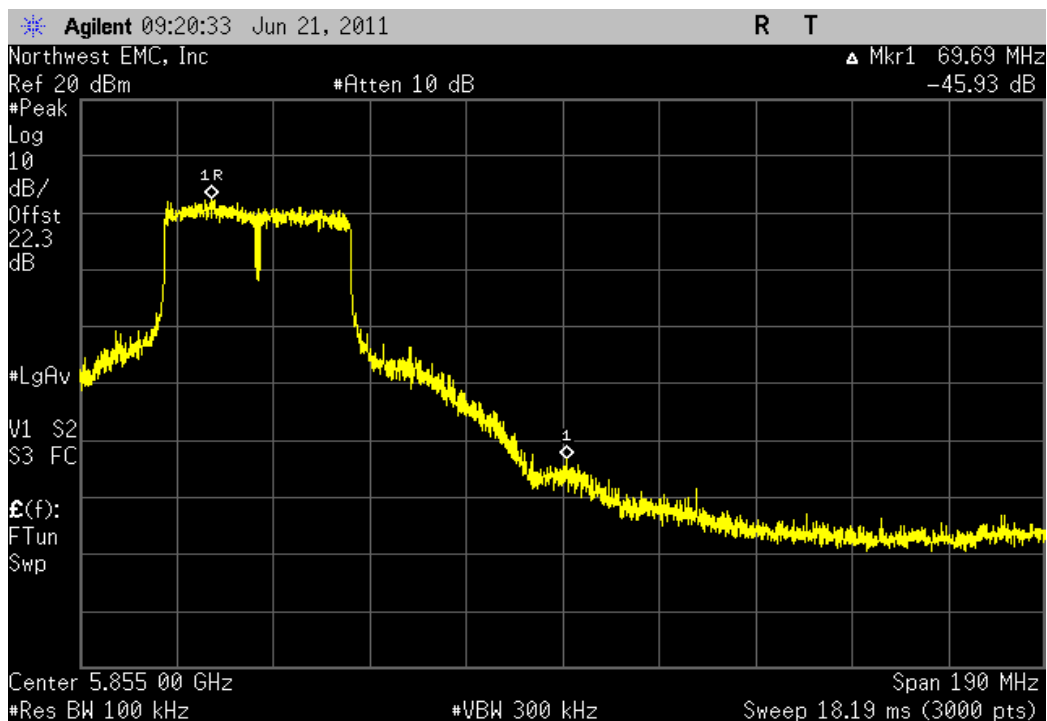
802.11(n) (40 MHz) MCS15, Low Channel 151 (5755 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -36.85 dBc | $\leq -20$ dBc | Pass   |



802.11(n) (40 MHz) MCS15, High Channel 159 (5795 MHz)

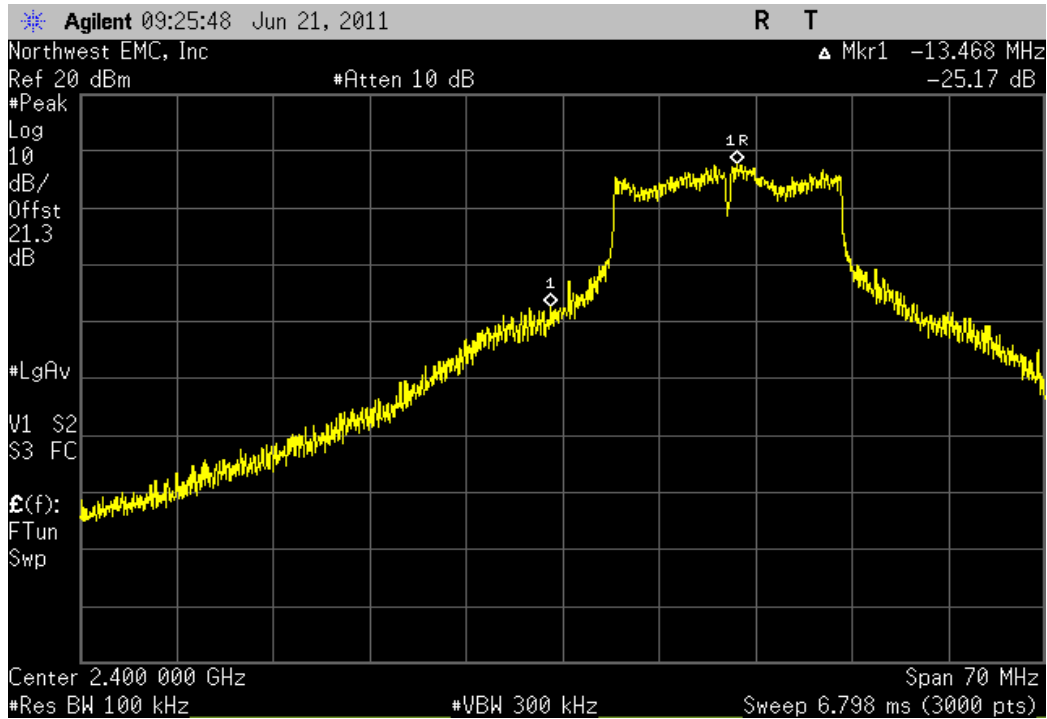
|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -45.93 dBc | $\leq -20$ dBc | Pass   |



| NORTHWEST                                                |   | EMC                                                                                                    |  | Band Edge Compliance   |           | XMit 2011.04.20<br>PsaTx 2011.06.20 |  |
|----------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------|--|------------------------|-----------|-------------------------------------|--|
| EUT: WMIA-199NI                                          |   |                                                                                                        |  | Work Order: PROS0109   |           |                                     |  |
| Serial Number: 09435H1000039                             |   |                                                                                                        |  | Date: 06/20/11         |           |                                     |  |
| Customer: ProSoft Technology, Inc.                       |   |                                                                                                        |  | Temperature: 22.06°C   |           |                                     |  |
| Attendees: None                                          |   |                                                                                                        |  | Humidity: 48%          |           |                                     |  |
| Project: None                                            |   |                                                                                                        |  | Barometric Pres.: 1011 |           |                                     |  |
| Tested by: Jaemi Suh                                     |   | Power: 120V/60Hz                                                                                       |  | Job Site: OC11         |           |                                     |  |
| TEST SPECIFICATIONS                                      |   |                                                                                                        |  | TEST METHOD            |           |                                     |  |
| FCC 15.247:2011                                          |   |                                                                                                        |  | ANSI C63.10:2009       |           |                                     |  |
| COMMENTS                                                 |   |                                                                                                        |  |                        |           |                                     |  |
| Chain 3. Operating at 802.11 a/g/n. PC Power Level = 15. |   |                                                                                                        |  |                        |           |                                     |  |
| DEVIATIONS FROM TEST STANDARD                            |   |                                                                                                        |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  |                        |           |                                     |  |
| Configuration #                                          | 1 | <div>Signature </div> |  |                        |           |                                     |  |
|                                                          |   |                                                                                                        |  | Value                  | Limit     | Result                              |  |
| 802.11(g) 54 Mbps                                        |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -25.17 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -36.4 dBc              | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS7                                           |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2412 MHz)                                 |   |                                                                                                        |  | -21.24 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2462 MHz)                               |   |                                                                                                        |  | -28.95 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n)(40 MHz) MCS15                                  |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 1 (2422 MHz)                                 |   |                                                                                                        |  | -23.8 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 11 (2452 MHz)                               |   |                                                                                                        |  | -24.69 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(a) 54 Mbps                                        |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -28.2 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -44.13 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) MCS7                                           |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5745 MHz)                               |   |                                                                                                        |  | -27.5 dBc              | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5825 MHz)                              |   |                                                                                                        |  | -42.79 dBc             | ≤ -20 dBc | Pass                                |  |
| 802.11(n) (40 MHz) MCS0                                  |   |                                                                                                        |  |                        |           |                                     |  |
| Low Channel 149 (5755 MHz)                               |   |                                                                                                        |  | -21.12 dBc             | ≤ -20 dBc | Pass                                |  |
| High Channel 165 (5795 MHz)                              |   |                                                                                                        |  | -41.43 dBc             | ≤ -20 dBc | Pass                                |  |

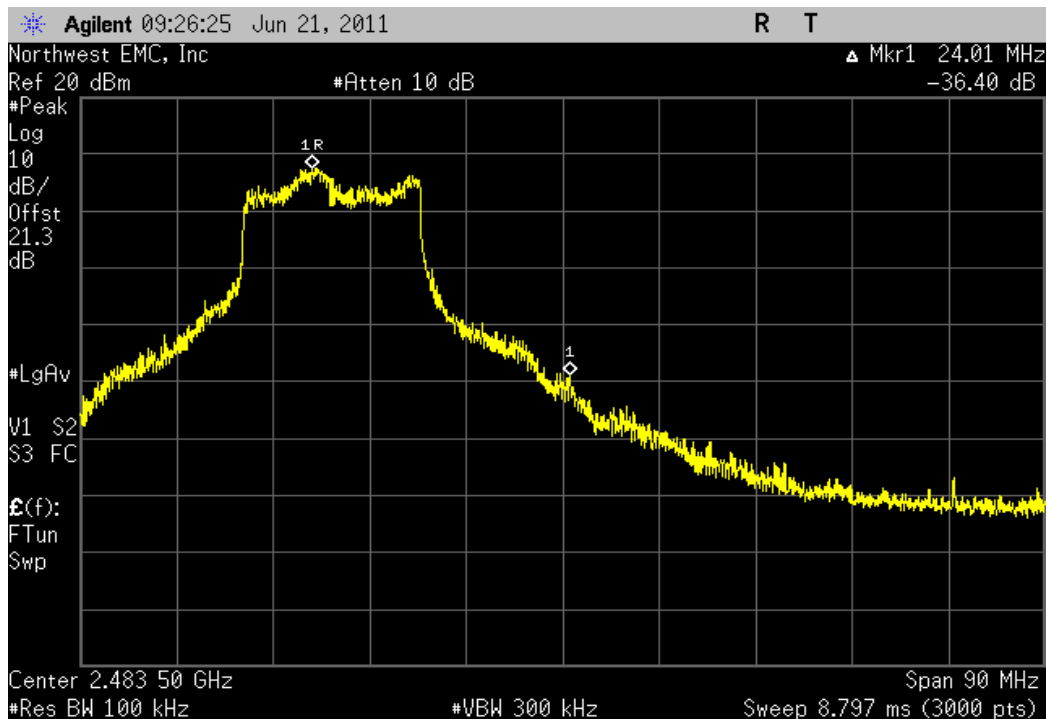
802.11(g) 36 Mbps, Low Channel 1 (2412 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -25.17 dBc | $\leq -20$ dBc | Pass   |



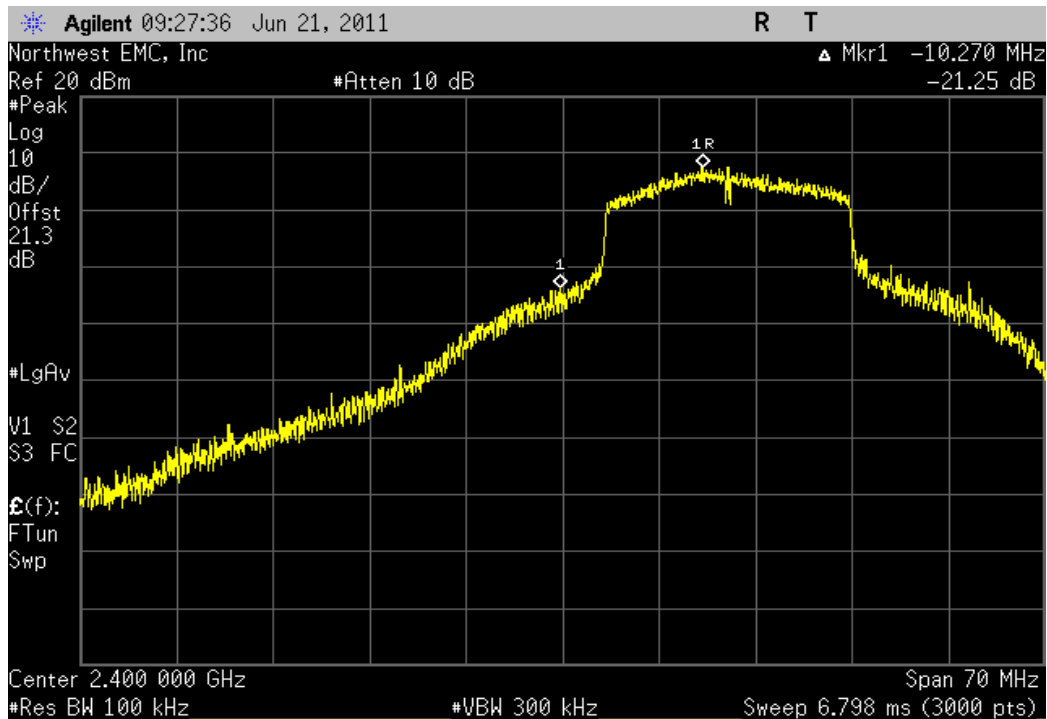
802.11(g) 36 Mbps, High Channel 11 (2462 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -36.4 dBc | $\leq -20$ dBc | Pass   |



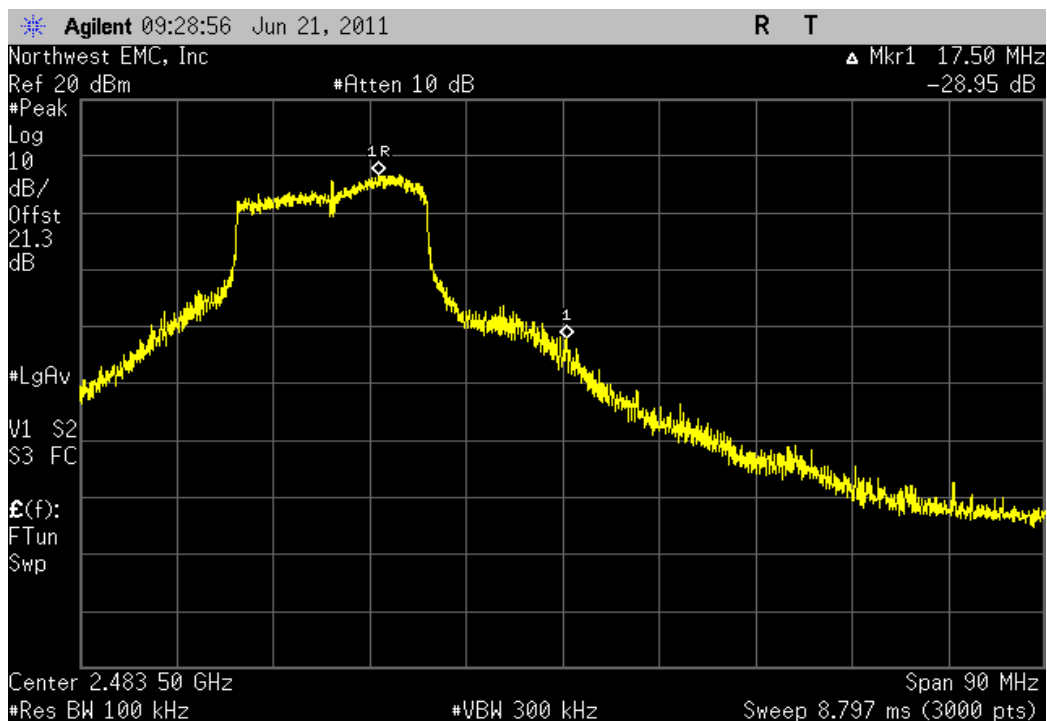
## 802.11(n) MCS0, Low Channel 1 (2412 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -21.24 dBc | $\leq -20$ dBc | Pass   |



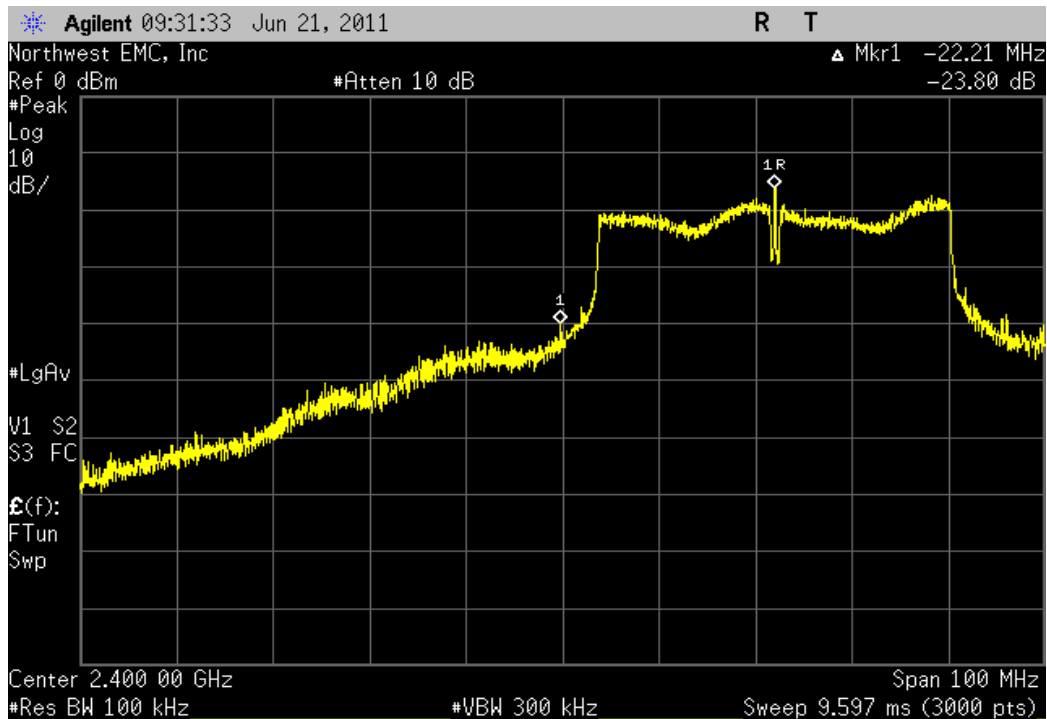
## 802.11(n) MCS0, High Channel 11 (2462 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -28.95 dBc | $\leq -20$ dBc | Pass   |



802.11(n)(40 MHz) MCS0, Low Channel 3 (2422 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -23.8 dBc | $\leq -20$ dBc | Pass   |



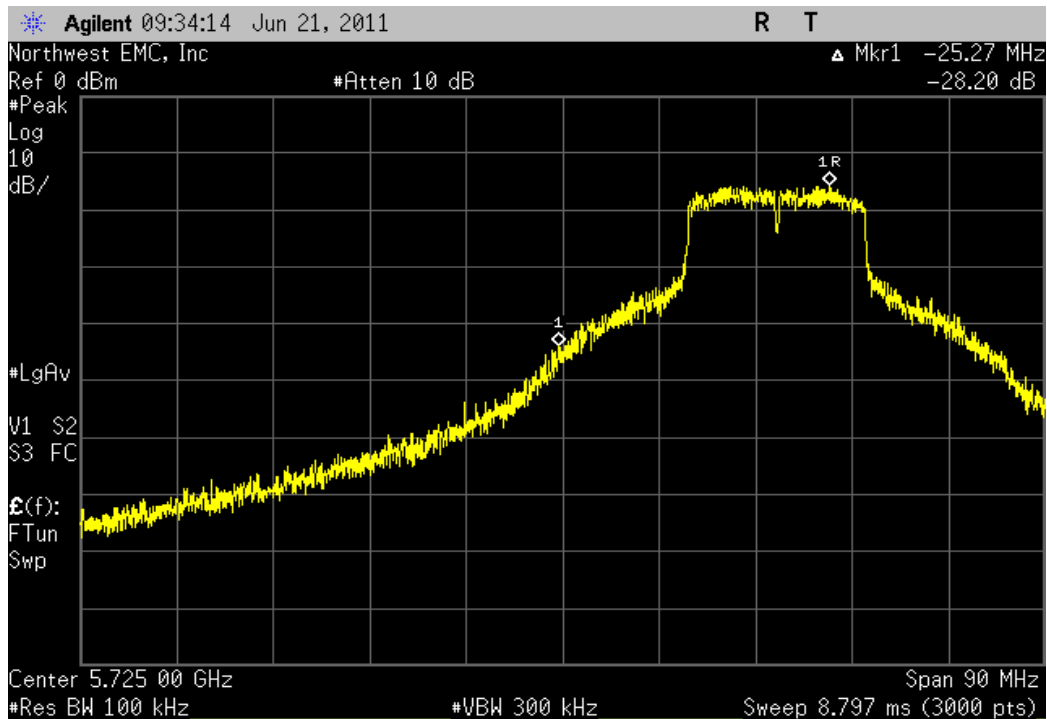
802.11(n)(40 MHz) MCS0, High Channel 9 (2452 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -24.69 dBc | $\leq -20$ dBc | Pass   |



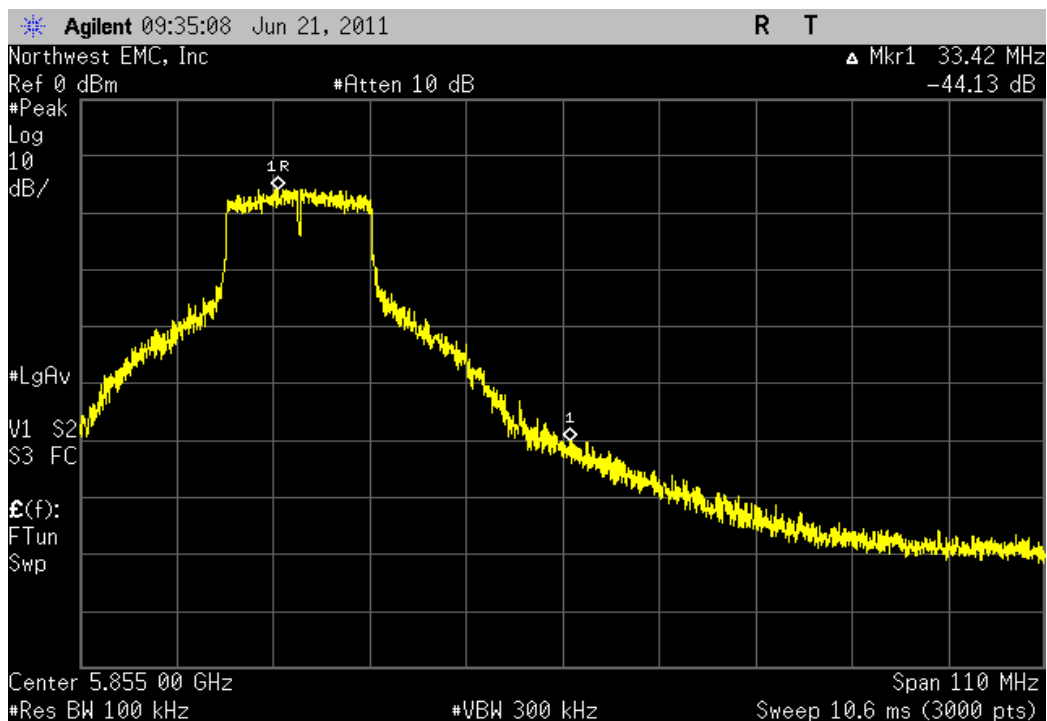
802.11(a) 36 Mbps, Low Channel 149 (5745 MHz)

|  |  |  |  | Value     | Limit          | Result |
|--|--|--|--|-----------|----------------|--------|
|  |  |  |  | -28.2 dBc | $\leq -20$ dBc | Pass   |



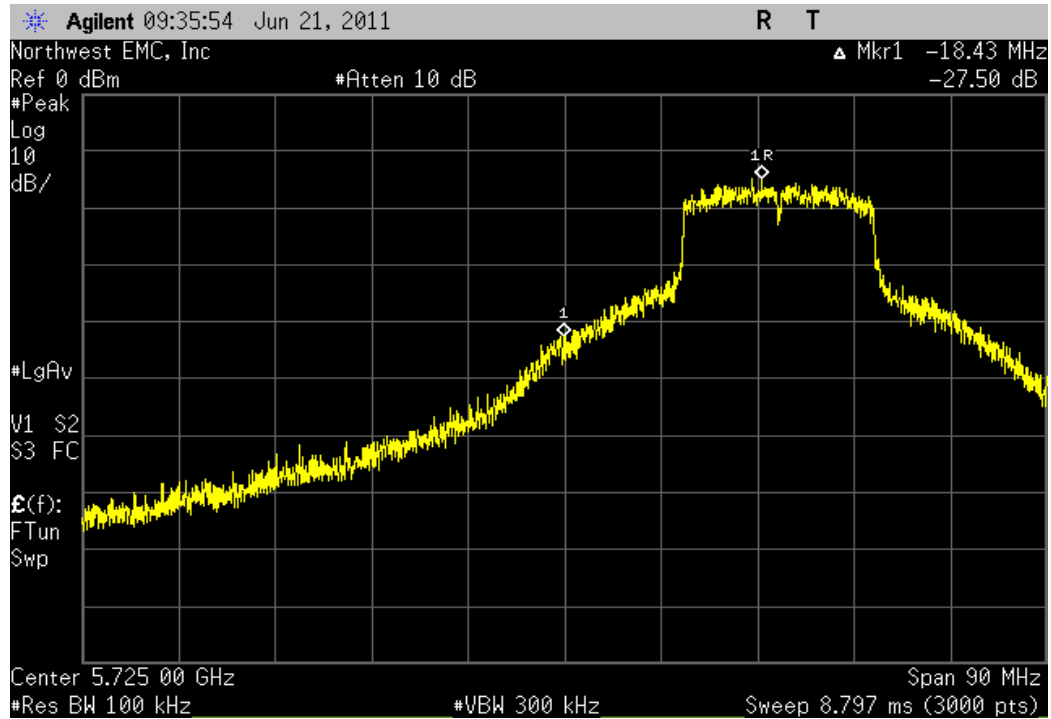
802.11(a) 36 Mbps, High Channel 165 (5825 MHz)

|  |  |  |  | Value      | Limit          | Result |
|--|--|--|--|------------|----------------|--------|
|  |  |  |  | -44.13 dBc | $\leq -20$ dBc | Pass   |



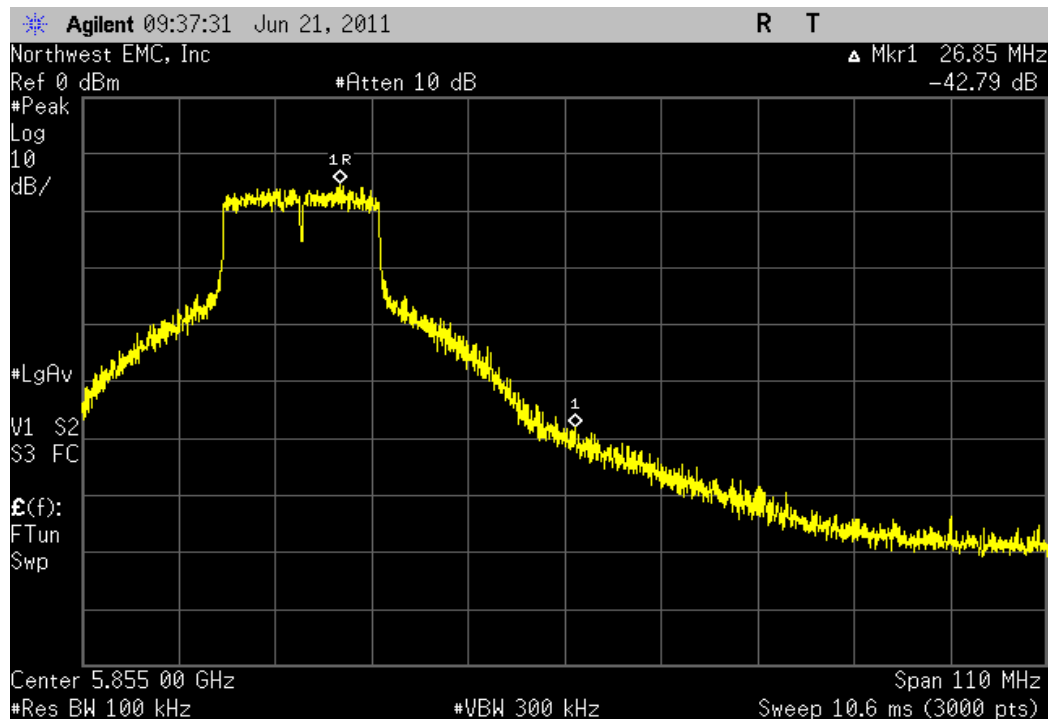
802.11(n) MCS7, Low Channel 149 (5745 MHz)

| Value     | Limit     | Result |
|-----------|-----------|--------|
| -27.5 dBc | ≤ -20 dBc | Pass   |



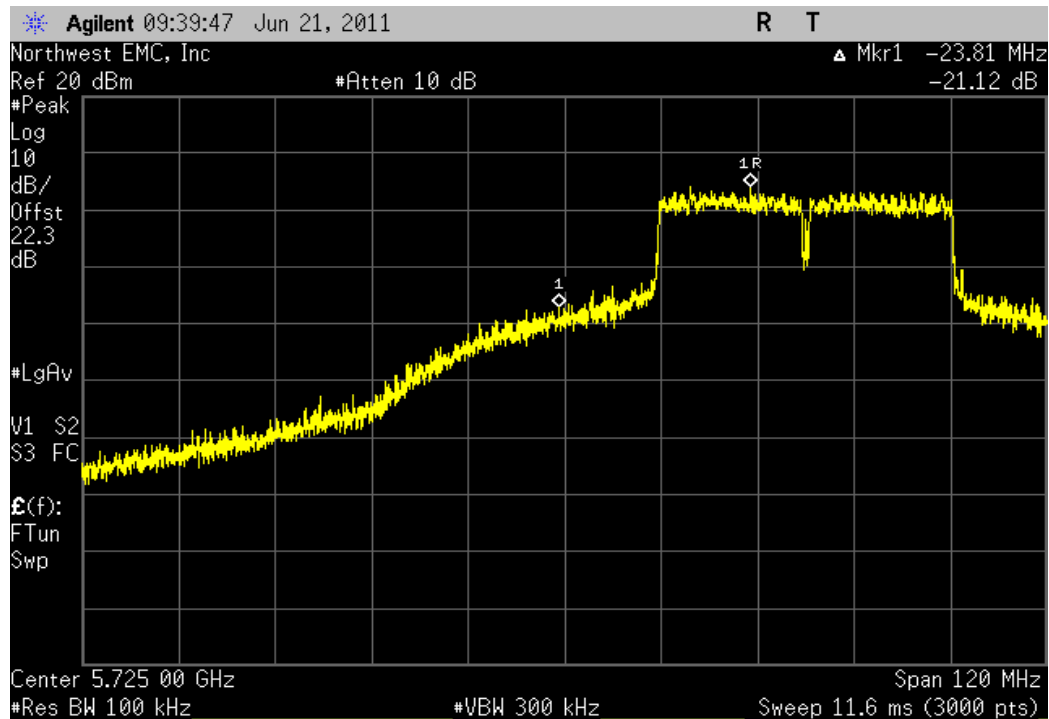
802.11(n) MCS7, High Channel 165 (5825 MHz)

| Value      | Limit     | Result |
|------------|-----------|--------|
| -42.79 dBc | ≤ -20 dBc | Pass   |



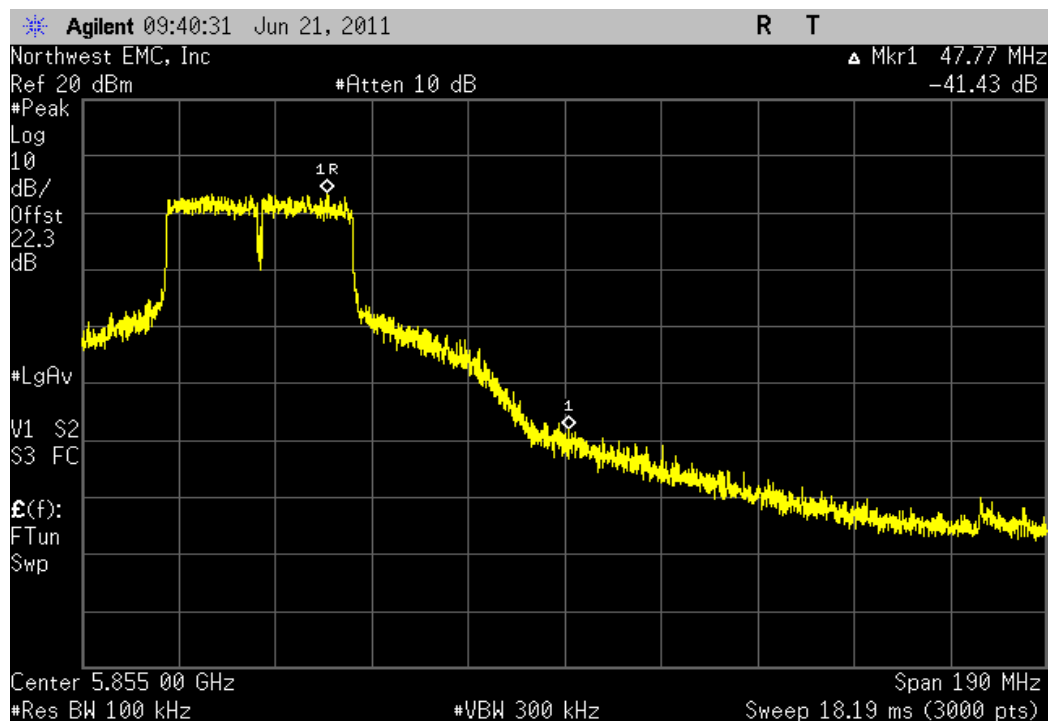
802.11(n) (40 MHz) MCS8, Low Channel 151 (5755 MHz)

|  | Value      | Limit          | Result |
|--|------------|----------------|--------|
|  | -21.12 dBc | $\leq -20$ dBc | Pass   |



802.11(n) (40 MHz) MCS8, High Channel 159 (5795 MHz)

|  | Value      | Limit          | Result |
|--|------------|----------------|--------|
|  | -41.43 dBc | $\leq -20$ dBc | 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       |
| Spectrum Analyzer | Agilent         | E4440A | AFG | 4/28/2011 | 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.

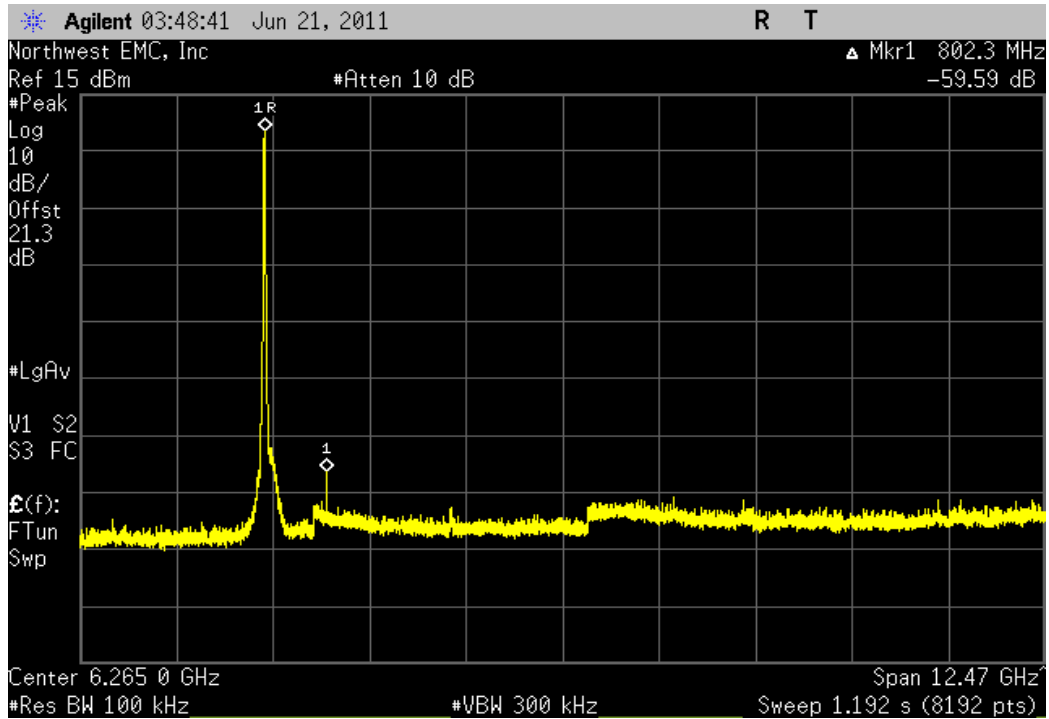
#### TEST DESCRIPTION

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

|                                                         |  |                              |  |                                                                                             |                                     |                |
|---------------------------------------------------------|--|------------------------------|--|---------------------------------------------------------------------------------------------|-------------------------------------|----------------|
| NORTHWEST                                               |  | Spurious Conducted Emissions |  |                                                                                             | XMit 2011.04.20<br>PsaTx 2011.05.03 |                |
| EMC                                                     |  |                              |  |                                                                                             |                                     |                |
| EUT: WMIA-199NI                                         |  |                              |  | Work Order: PROS0109                                                                        |                                     |                |
| Serial Number: 09435H1000039                            |  |                              |  | Date: 07/08/11                                                                              |                                     |                |
| Customer: ProSoft Technology, Inc.                      |  |                              |  | Temperature: 22.06°C                                                                        |                                     |                |
| Attendees: None                                         |  |                              |  | Humidity: 48%                                                                               |                                     |                |
| Project: None                                           |  |                              |  | Barometric Pres.: 1011                                                                      |                                     |                |
| Tested by: Jaemi Suh                                    |  | Power: 120V/60Hz             |  | Job Site: OC11                                                                              |                                     |                |
| TEST SPECIFICATIONS                                     |  |                              |  | TEST METHOD                                                                                 |                                     |                |
| FCC 15.247:2011                                         |  |                              |  | ANSI C63.10:2009                                                                            |                                     |                |
| COMMENTS                                                |  |                              |  |                                                                                             |                                     |                |
| Chain 1. Operating at 802.11a/g/n. PC Power Level = 15. |  |                              |  |                                                                                             |                                     |                |
| DEVIATIONS FROM TEST STANDARD                           |  |                              |  |                                                                                             |                                     |                |
|                                                         |  |                              |  |                                                                                             |                                     |                |
|                                                         |  |                              |  |                                                                                             |                                     |                |
| Configuration #                                         |  | 1                            |  | Signature  |                                     |                |
|                                                         |  | Frequency Range              |  | Value                                                                                       |                                     | Limit Result   |
| 802.11(g) 6 Mbps                                        |  |                              |  |                                                                                             |                                     |                |
| Low Channel 1 (2412 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -59.59 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 1 (2412 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -49.87 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -59.48 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -57.75 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2462 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -60.25 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2462 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -58.27 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| 802.11(n) MCS8                                          |  |                              |  |                                                                                             |                                     |                |
| Low Channel 1 (2412 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -56.82 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 1 (2412 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -55.62 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -58.19 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -56.32 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2462 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -59.37 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2462 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -55.82 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| 802.11(n)(40 MHz) MCS8                                  |  |                              |  |                                                                                             |                                     |                |
| Low Channel 1 (2422 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -56.82 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 1 (2422 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -55.62 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 30 MHz - 12.5 GHz            |  | -58.19 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 6 (2437 MHz)                                |  | 12.5 GHz - 25 GHz            |  | -56.32 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2452 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -59.37 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 11 (2452 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -55.82 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| 802.11(a) 54 Mbps                                       |  |                              |  |                                                                                             |                                     |                |
| Low Channel 149 (5745 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -54.79 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5745 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -57.09 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5745 MHz)                              |  | 25 GHz - 40 GHz              |  | -52.75 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -54.56 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -58.14 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 25 GHz - 40 GHz              |  | -55.74 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 30 MHz - 12.5 GHz            |  | -51.95 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 12.5 GHz - 25 GHz            |  | -57.11 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 25 GHz - 40 GHz              |  | -56.91 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| 802.11(n) MCS8                                          |  |                              |  |                                                                                             |                                     |                |
| Low Channel 149 (5745 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -54 dBc                                                                                     |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5745 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -57.48 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5745 MHz)                              |  | 25 GHz - 40 GHz              |  | -57.21 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -53.15 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -57.2 dBc                                                                                   |                                     | ≤ -20 dBc Pass |
| Mid Channel 157 (5785 MHz)                              |  | 25 GHz - 40 GHz              |  | -54.55 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 30 MHz - 12.5 GHz            |  | -53.01 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 12.5 GHz - 25 GHz            |  | -57.46 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5825 MHz)                             |  | 25 GHz - 40 GHz              |  | -56.02 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| 802.11(n)(40 MHz) MCS7                                  |  |                              |  |                                                                                             |                                     |                |
| Low Channel 149 (5755 MHz)                              |  | 30 MHz - 12.5 GHz            |  | -50.65 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5755 MHz)                              |  | 12.5 GHz - 25 GHz            |  | -71.74 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| Low Channel 149 (5755 MHz)                              |  | 25 GHz - 40 GHz              |  | -52.25 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5795 MHz)                             |  | 30 MHz - 12.5 GHz            |  | -49.41 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5795 MHz)                             |  | 12.5 GHz - 25 GHz            |  | -54.72 dBc                                                                                  |                                     | ≤ -20 dBc Pass |
| High Channel 165 (5795 MHz)                             |  | 25 GHz - 40 GHz              |  | -53.52 dBc                                                                                  |                                     | ≤ -20 dBc Pass |

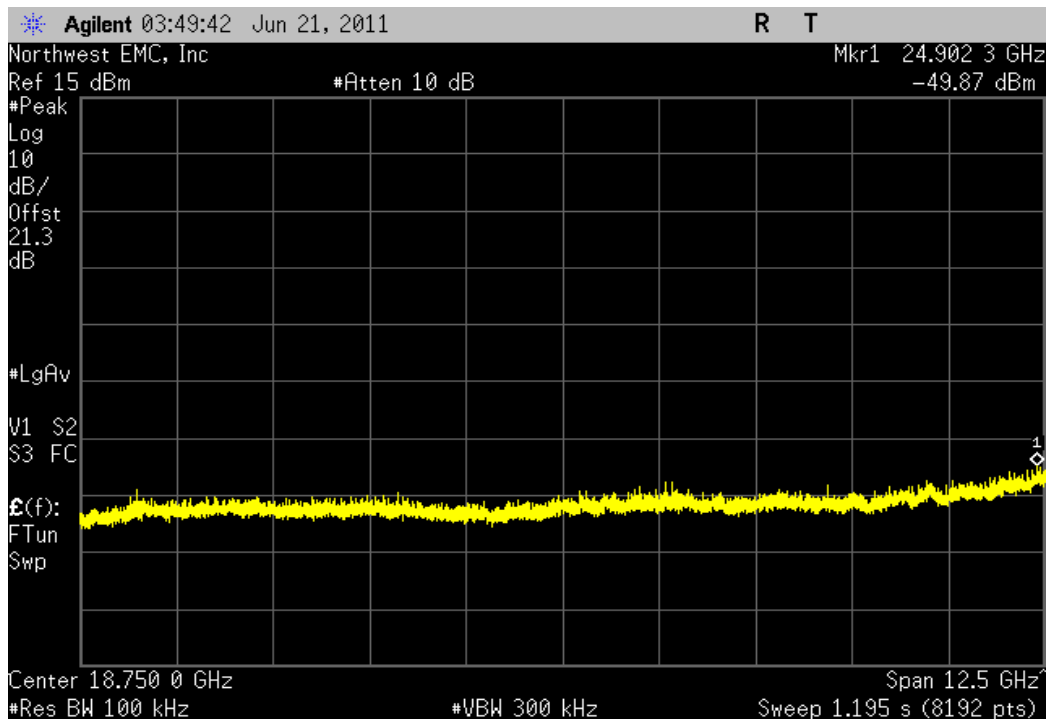
802.11(g) 6 Mbps, Low Channel 1 (2412 MHz)

| Frequency Range   | Value      | Limit     | Result |
|-------------------|------------|-----------|--------|
| 30 MHz - 12.5 GHz | -59.59 dBc | ≤ -20 dBc | Pass   |



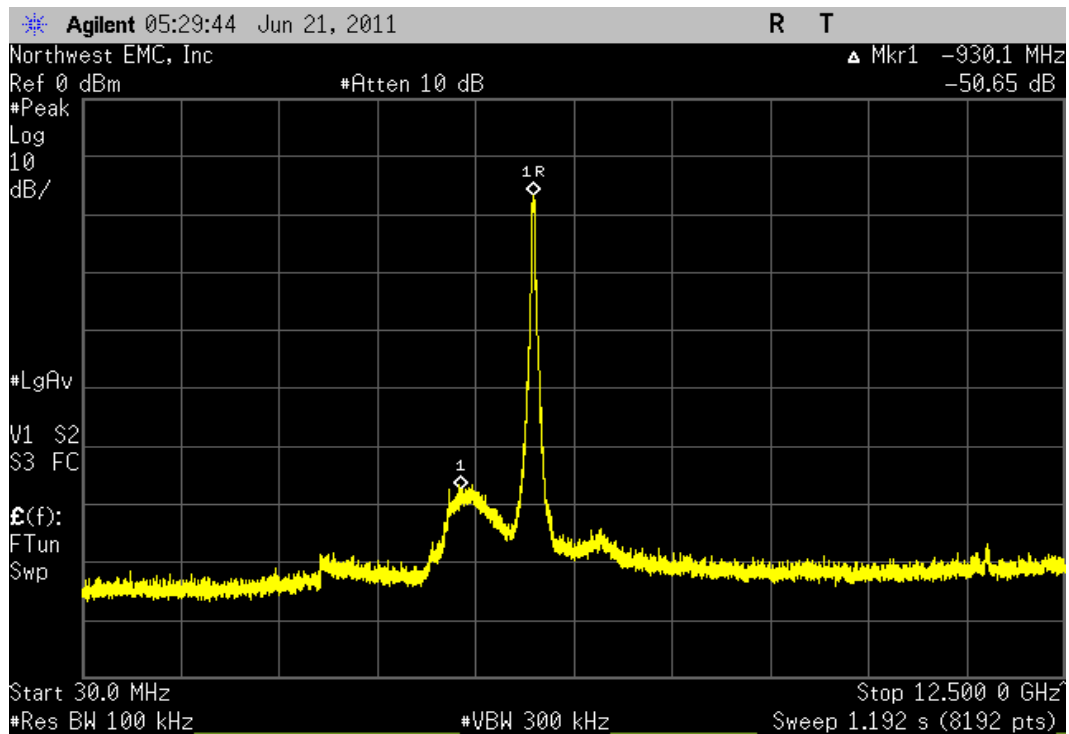
802.11(g) 6 Mbps, Low Channel 1 (2412 MHz)

| Frequency Range   | Value      | Limit     | Result |
|-------------------|------------|-----------|--------|
| 12.5 GHz - 25 GHz | -49.87 dBc | ≤ -20 dBc | Pass   |



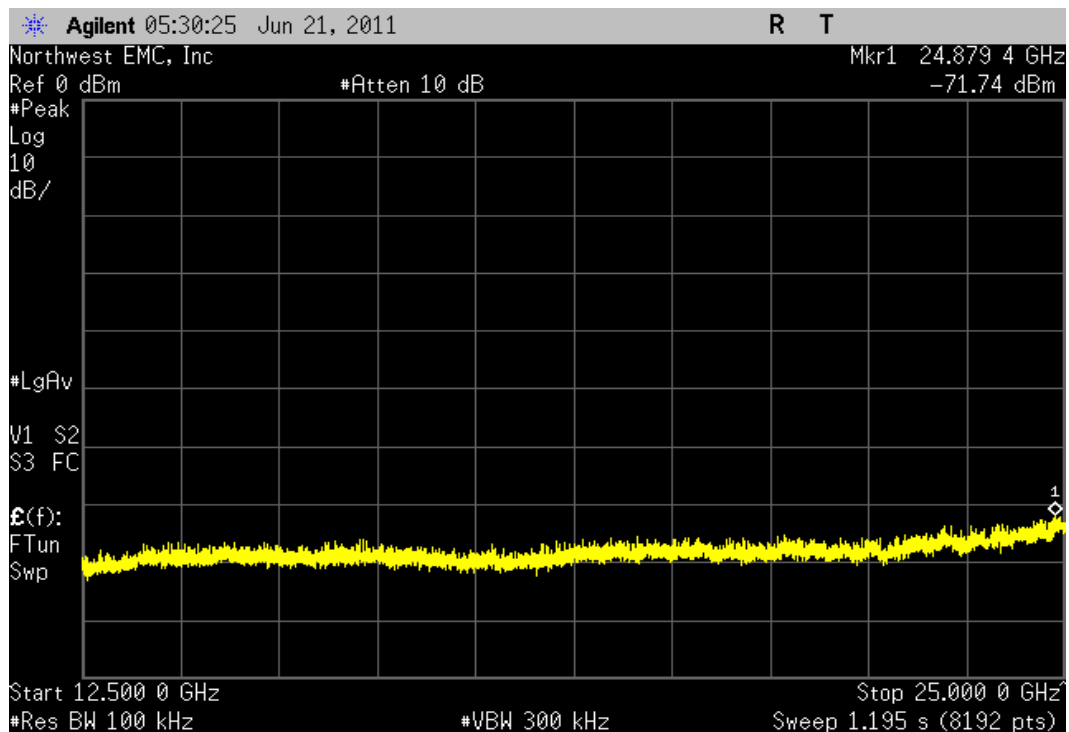
802.11(n)(40 MHz) MCS8, Low Channel 151 (5755 MHz)

| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 30 MHz - 12.5 GHz | -50.65 dBc | $\leq -20$ dBc | Pass   |



802.11(n)(40 MHz) MCS8, Low Channel 151 (5755 MHz)

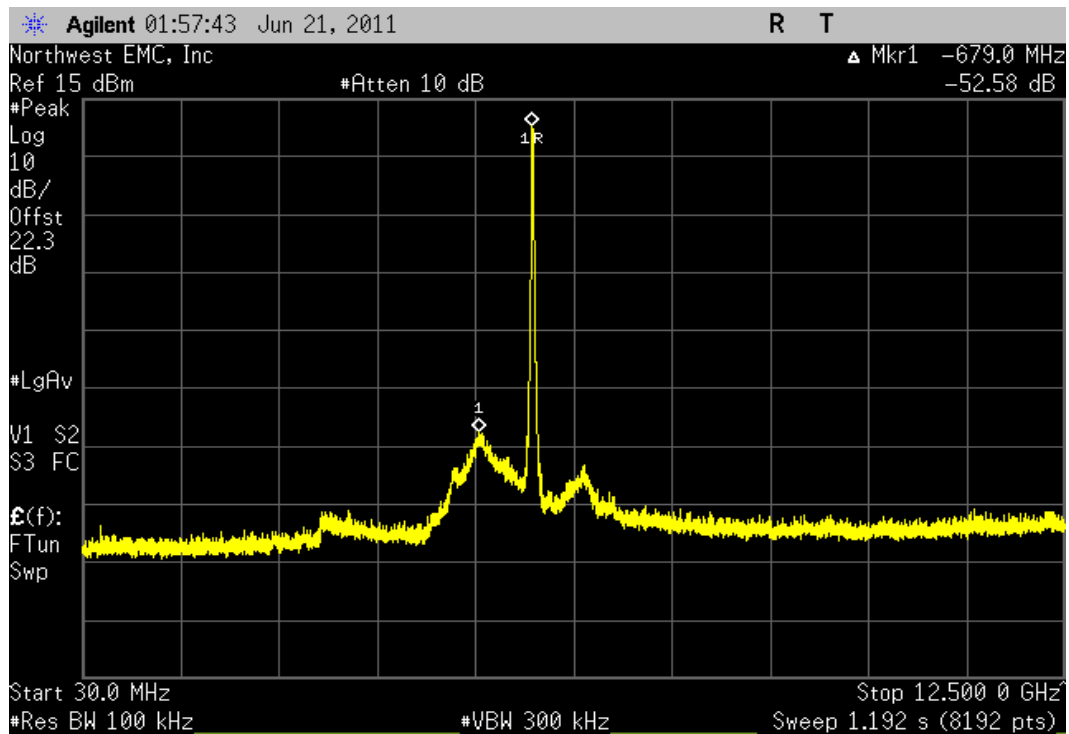
| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 12.5 GHz - 25 GHz | -71.74 dBc | $\leq -20$ dBc | Pass   |



|                                                         |   |                                                                                   |                        |           |                                     |
|---------------------------------------------------------|---|-----------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------|
| NORTHWEST                                               |   | Spurious Conducted Emissions                                                      |                        |           | XMit 2011.04.20<br>PsaTx 2011.05.03 |
| EMC                                                     |   |                                                                                   |                        |           |                                     |
| EUT: WMIA-199NI                                         |   |                                                                                   | Work Order: PROS0109   |           |                                     |
| Serial Number: 09435H1000039                            |   |                                                                                   | Date: 07/08/11         |           |                                     |
| Customer: ProSoft Technology, Inc.                      |   |                                                                                   | Temperature: 22.06°C   |           |                                     |
| Attendees: None                                         |   |                                                                                   | Humidity: 48%          |           |                                     |
| Project: None                                           |   |                                                                                   | Barometric Pres.: 1011 |           |                                     |
| Tested by: Jaemi Suh                                    |   | Power: 120V/60Hz                                                                  | Job Site: OC11         |           |                                     |
| TEST SPECIFICATIONS                                     |   |                                                                                   | TEST METHOD            |           |                                     |
| FCC 15.247:2011                                         |   |                                                                                   | ANSI C63.10:2009       |           |                                     |
| COMMENTS                                                |   |                                                                                   |                        |           |                                     |
| Chain 2. Operating at 802.11a/g/n. PC Power Level = 15. |   |                                                                                   |                        |           |                                     |
| DEVIATIONS FROM TEST STANDARD                           |   |                                                                                   |                        |           |                                     |
|                                                         |   |                                                                                   |                        |           |                                     |
| Configuration #                                         | 1 |  |                        |           |                                     |
|                                                         |   | Frequency Range                                                                   | Value                  | Limit     | Result                              |
| 802.11(g) 54 Mbps                                       |   |                                                                                   |                        |           |                                     |
| Low Channel 1 (2412 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -63.8 dBc              | ≤ -20 dBc | Pass                                |
| Low Channel 1 (2412 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -58.71 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -65.39 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -57.54 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2462 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -64.82 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2462 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -57.21 dBc             | ≤ -20 dBc | Pass                                |
| 802.11(n) MCS15                                         |   |                                                                                   |                        |           |                                     |
| Low Channel 1 (2412 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -56.82 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 1 (2412 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -58.6 dBc              | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -63.16 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -56.38 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2462 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -65.16 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2462 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -58.88 dBc             | ≤ -20 dBc | Pass                                |
| 802.11(n)(40 MHz) MCS15                                 |   |                                                                                   |                        |           |                                     |
| Low Channel 1 (2422 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -62.54 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 1 (2422 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -56.15 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 30 MHz - 12.5 GHz                                                                 | -62.33 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 6 (2437 MHz)                                |   | 12.5 GHz - 25 GHz                                                                 | -55.74 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2452 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -61.41 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 11 (2452 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -54.84 dBc             | ≤ -20 dBc | Pass                                |
| 802.11(a) 6 Mbps                                        |   |                                                                                   |                        |           |                                     |
| Low Channel 149 (5745 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -52.58 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5745 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -49.18 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5745 MHz)                              |   | 25 GHz - 40 GHz                                                                   | -52.55 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -51.08 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -60.18 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 25 GHz - 40 GHz                                                                   | -54.24 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 30 MHz - 12.5 GHz                                                                 | -46.87 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 12.5 GHz - 25 GHz                                                                 | -58.04 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 25 GHz - 40 GHz                                                                   | -57.12 dBc             | ≤ -20 dBc | Pass                                |
| 802.11(n) MCS15                                         |   |                                                                                   |                        |           |                                     |
| Low Channel 149 (5745 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -52.84 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5745 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -56.99 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5745 MHz)                              |   | 25 GHz - 40 GHz                                                                   | -56.25 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -49.34 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -57.35 dBc             | ≤ -20 dBc | Pass                                |
| Mid Channel 157 (5785 MHz)                              |   | 25 GHz - 40 GHz                                                                   | -56.1 dBc              | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 30 MHz - 12.5 GHz                                                                 | -45.37 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 12.5 GHz - 25 GHz                                                                 | -56.09 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5825 MHz)                             |   | 25 GHz - 40 GHz                                                                   | -57.79 dBc             | ≤ -20 dBc | Pass                                |
| 802.11(n)(40 MHz) MCS8                                  |   |                                                                                   |                        |           |                                     |
| Low Channel 149 (5755 MHz)                              |   | 30 MHz - 12.5 GHz                                                                 | -45.51 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5755 MHz)                              |   | 12.5 GHz - 25 GHz                                                                 | -54.39 dBc             | ≤ -20 dBc | Pass                                |
| Low Channel 149 (5755 MHz)                              |   | 25 GHz - 40 GHz                                                                   | -55.75 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5795 MHz)                             |   | 30 MHz - 12.5 GHz                                                                 | -44.11 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5795 MHz)                             |   | 12.5 GHz - 25 GHz                                                                 | -53.78 dBc             | ≤ -20 dBc | Pass                                |
| High Channel 165 (5795 MHz)                             |   | 25 GHz - 40 GHz                                                                   | -57.51 dBc             | ≤ -20 dBc | Pass                                |

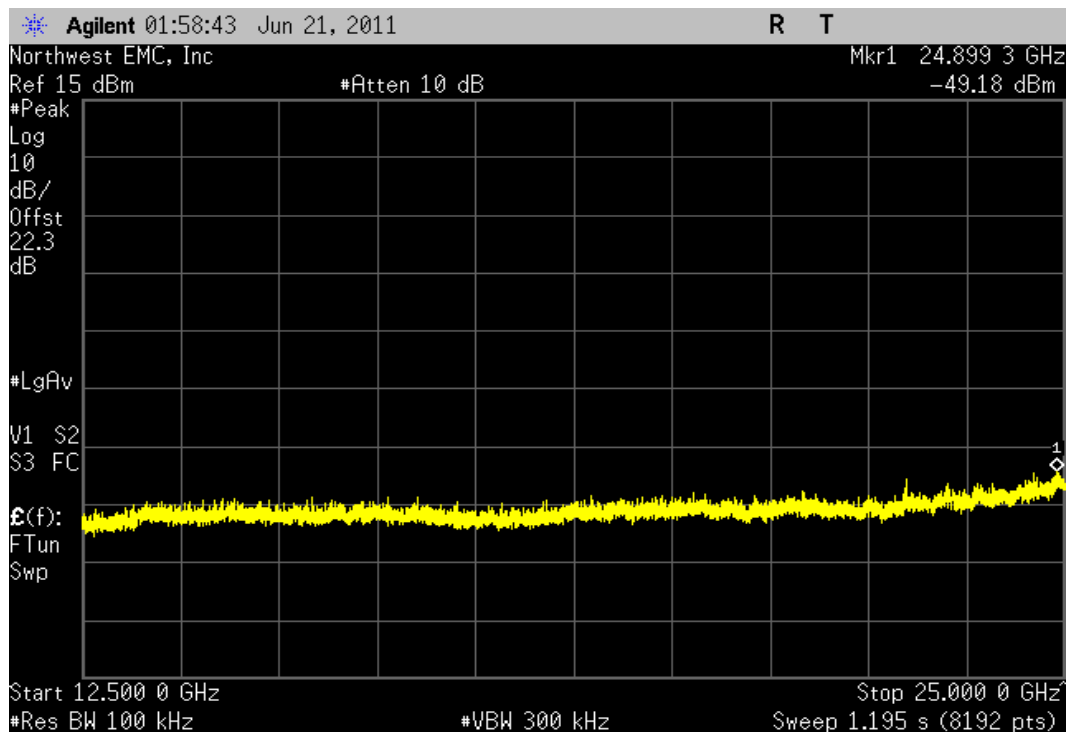
802.11(a) 6 Mbps, Low Channel 149 (5745 MHz)

| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 30 MHz - 12.5 GHz | -52.58 dBc | $\leq -20$ dBc | Pass   |



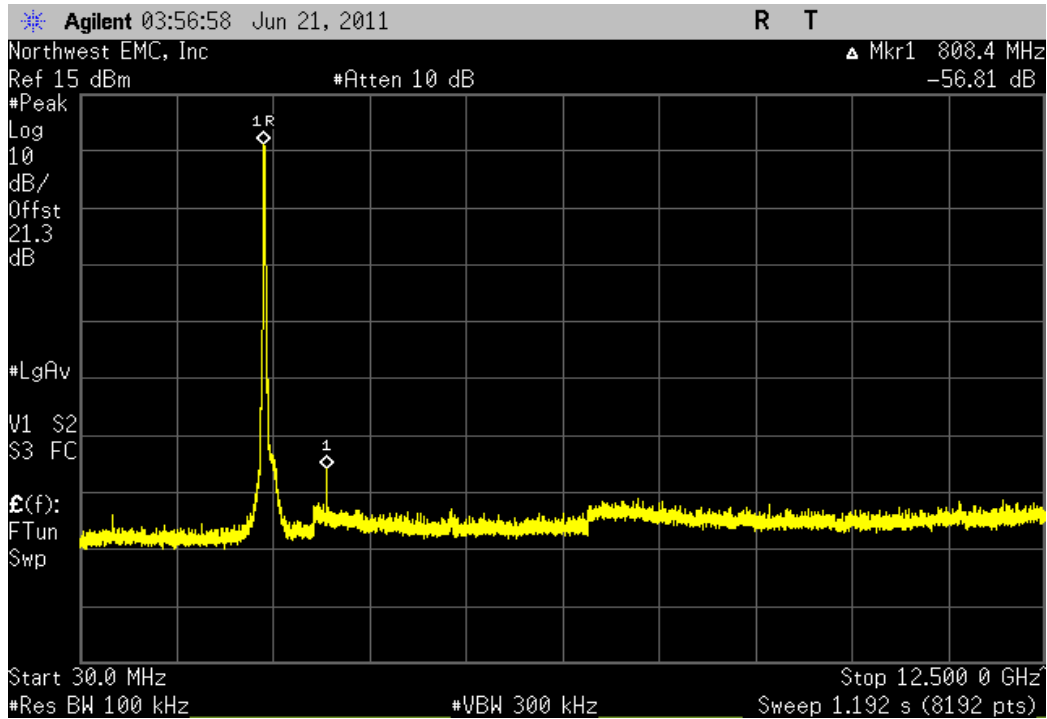
802.11(a) 6 Mbps, Low Channel 149 (5745 MHz)

| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 12.5 GHz - 25 GHz | -49.18 dBc | $\leq -20$ dBc | Pass   |



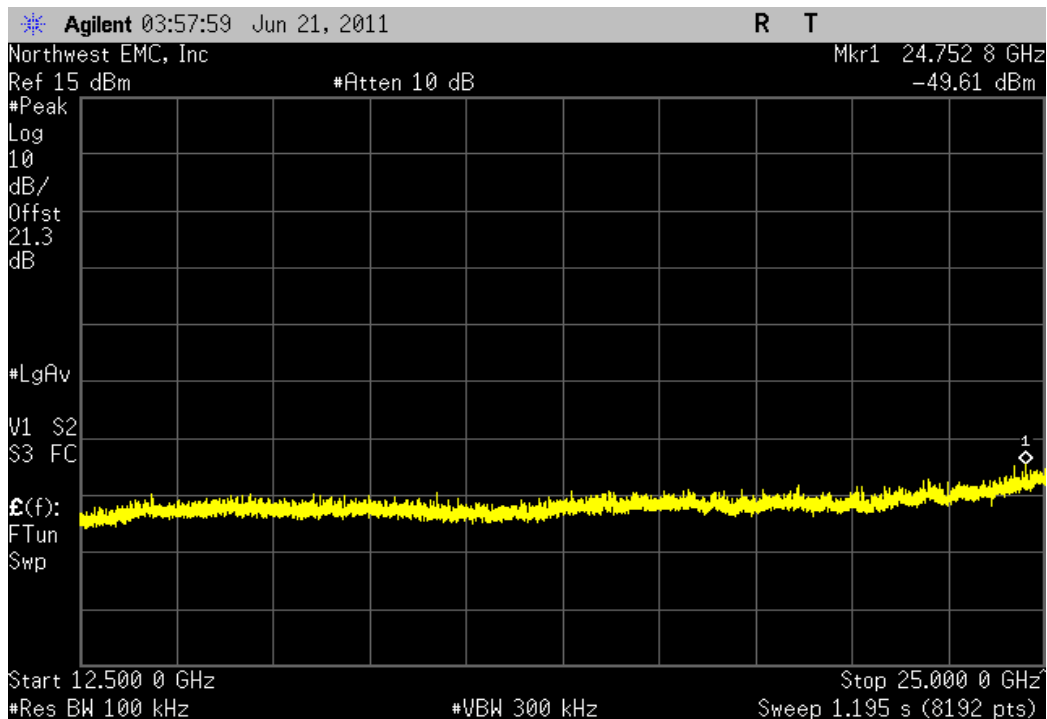
802.11(n) MCS15, Low Channel 1 (2412 MHz)

| Frequency Range   | Value      | Limit     | Result |
|-------------------|------------|-----------|--------|
| 30 MHz - 12.5 GHz | -56.82 dBc | ≤ -20 dBc | Pass   |



802.11(n) MCS15, Low Channel 1 (2412 MHz)

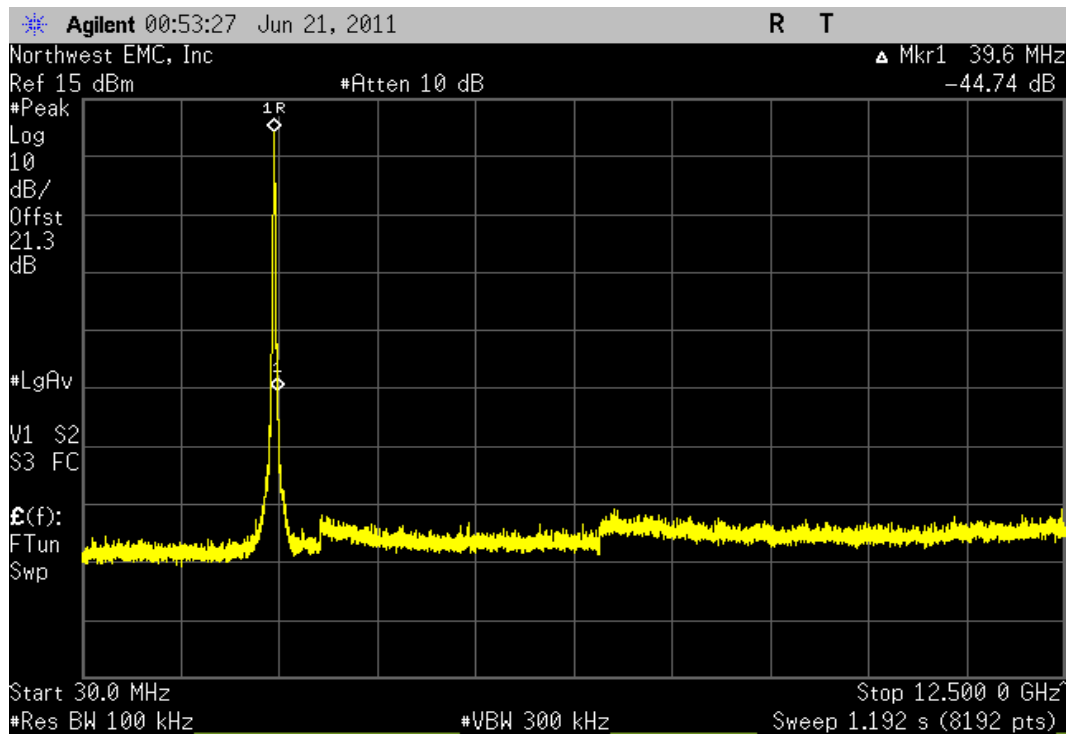
| Frequency Range   | Value      | Limit     | Result |
|-------------------|------------|-----------|--------|
| 12.5 GHz - 25 GHz | -49.61 dBc | ≤ -20 dBc | Pass   |



| NORTHWEST                                               |          | Spurious Conducted Emissions                                                                       |                   | XMit 2011.04.20<br>PsaTx 2011.05.03 |                |
|---------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------|-------------------|-------------------------------------|----------------|
| <b>EMC</b>                                              |          | <b>EUT: [WMIA-199NI]</b>                                                                           |                   | <b>Work Order: [PROS0109]</b>       |                |
| <b>Serial Number: [09435H1000039]</b>                   |          | <b>Date: [07/08/11]</b>                                                                            |                   |                                     |                |
| <b>Customer: [ProSoft Technology, Inc.]</b>             |          | <b>Temperature: [22.06°C]</b>                                                                      |                   |                                     |                |
| <b>Attendees: [None]</b>                                |          | <b>Humidity: [48%]</b>                                                                             |                   |                                     |                |
| <b>Project: [None]</b>                                  |          | <b>Barometric Pres.: [1011]</b>                                                                    |                   |                                     |                |
| <b>Tested by: [Jaemi Suh]</b>                           |          | <b>Power: [120V/60Hz]</b>                                                                          |                   | <b>Job Site: [OC11]</b>             |                |
| <b>TEST SPECIFICATIONS</b>                              |          | <b>TEST METHOD</b>                                                                                 |                   |                                     |                |
| <b>FCC 15.247:2011</b>                                  |          | <b>ANSI C63.10:2009</b>                                                                            |                   |                                     |                |
| <b>COMMENTS</b>                                         |          |                                                                                                    |                   |                                     |                |
| Chain 3. Operating at 802.11a/g/n. PC Power Level = 15. |          |                                                                                                    |                   |                                     |                |
| <b>DEVIATIONS FROM TEST STANDARD</b>                    |          |                                                                                                    |                   |                                     |                |
|                                                         |          |                                                                                                    |                   |                                     |                |
| <b>Configuration #</b>                                  | <b>1</b> | <i>Signature</i>  |                   |                                     |                |
|                                                         |          | <b>Frequency Range</b>                                                                             | <b>Value</b>      | <b>Limit</b>                        | <b>Result</b>  |
| <b>802.11(g) 54 Mbps</b>                                |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 1 (2412 MHz)                                                                           | 30 MHz - 12.5 GHz | -53.64 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 1 (2412 MHz)                                                                           | 12.5 GHz - 25 GHz | -60.82 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 30 MHz - 12.5 GHz | -59.82 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 12.5 GHz - 25 GHz | -60.42 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2462 MHz)                                                                         | 30 MHz - 12.5 GHz | -45.7 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2462 MHz)                                                                         | 12.5 GHz - 25 GHz | -60.66 dBc                          | ≤ -20 dBc Pass |
| <b>802.11(n) MCS7</b>                                   |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 1 (2412 MHz)                                                                           | 30 MHz - 12.5 GHz | -54.8 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 1 (2412 MHz)                                                                           | 12.5 GHz - 25 GHz | -58.33 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 30 MHz - 12.5 GHz | -56.96 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 12.5 GHz - 25 GHz | -58.77 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2462 MHz)                                                                         | 30 MHz - 12.5 GHz | -44.74 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2462 MHz)                                                                         | 12.5 GHz - 25 GHz | -50.24 dBc                          | ≤ -20 dBc Pass |
| <b>802.11(n)(40 MHz) MCS15</b>                          |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 1 (2422 MHz)                                                                           | 30 MHz - 12.5 GHz | -51.4 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 1 (2422 MHz)                                                                           | 12.5 GHz - 25 GHz | -57.98 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 30 MHz - 12.5 GHz | -39.81 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 6 (2437 MHz)                                                                           | 12.5 GHz - 25 GHz | -58.87 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2452 MHz)                                                                         | 30 MHz - 12.5 GHz | -28.18 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 11 (2452 MHz)                                                                         | 12.5 GHz - 25 GHz | -57.47 dBc                          | ≤ -20 dBc Pass |
| <b>802.11(a) 54 Mbps</b>                                |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 30 MHz - 12.5 GHz | -47.54 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 12.5 GHz - 25 GHz | -56.13 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 25 GHz - 40 GHz   | -56.55 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 30 MHz - 12.5 GHz | -47.59 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 12.5 GHz - 25 GHz | -55.6 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 25 GHz - 40 GHz   | -56.33 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 30 MHz - 12.5 GHz | -47.4 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 12.5 GHz - 25 GHz | -56.42 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 25 GHz - 40 GHz   | -55.82 dBc                          | ≤ -20 dBc Pass |
| <b>802.11(n) MCS7</b>                                   |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 30 MHz - 12.5 GHz | -47.53 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 12.5 GHz - 25 GHz | -49.32 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5745 MHz)                                                                         | 25 GHz - 40 GHz   | -56.25 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 30 MHz - 12.5 GHz | -46.6 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 12.5 GHz - 25 GHz | -56.08 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Mid Channel 157 (5785 MHz)                                                                         | 25 GHz - 40 GHz   | -56.1 dBc                           | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 30 MHz - 12.5 GHz | -47.56 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 12.5 GHz - 25 GHz | -55.49 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5825 MHz)                                                                        | 25 GHz - 40 GHz   | -55.52 dBc                          | ≤ -20 dBc Pass |
| <b>802.11(n)(40 MHz) MCS0</b>                           |          |                                                                                                    |                   |                                     |                |
|                                                         |          | Low Channel 149 (5755 MHz)                                                                         | 30 MHz - 12.5 GHz | -43.22 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5755 MHz)                                                                         | 12.5 GHz - 25 GHz | -51.98 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | Low Channel 149 (5755 MHz)                                                                         | 25 GHz - 40 GHz   | -56.25 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5795 MHz)                                                                        | 30 MHz - 12.5 GHz | -42.33 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5795 MHz)                                                                        | 12.5 GHz - 25 GHz | -52.07 dBc                          | ≤ -20 dBc Pass |
|                                                         |          | High Channel 165 (5795 MHz)                                                                        | 25 GHz - 40 GHz   | -55.52 dBc                          | ≤ -20 dBc Pass |

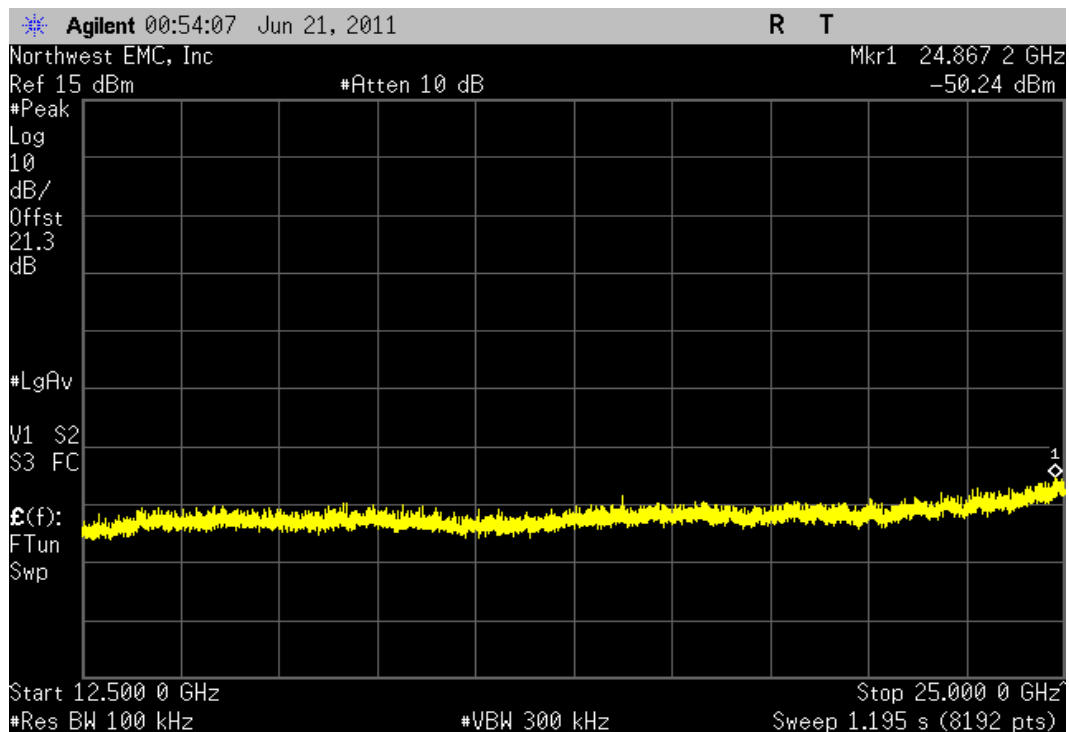
802.11(n) MCS7, High Channel 11 (2462 MHz)

| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 30 MHz - 12.5 GHz | -44.74 dBc | $\leq -20$ dBc | Pass   |



802.11(n) MCS7, High Channel 11 (2462 MHz)

| Frequency Range   | Value      | Limit          | Result |
|-------------------|------------|----------------|--------|
| 12.5 GHz - 25 GHz | -50.24 dBc | $\leq -20$ dBc | Pass   |



802.11(n) MCS7, Low Channel 149 (5745 MHz)

Frequency

Range

30 MHz - 12.5 GHz

Value

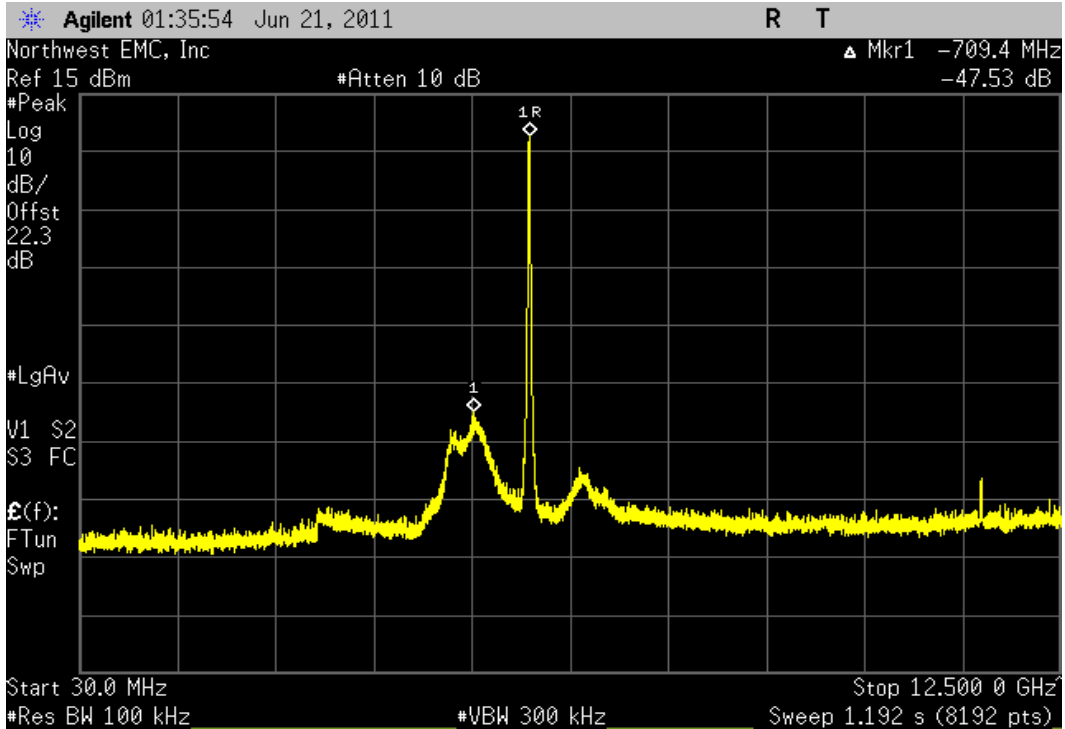
-47.53 dBc

Limit

 $\leq -20$  dBc

Result

Pass



802.11(n) MCS7, Low Channel 149 (5745 MHz)

Frequency

Range

12.5 GHz - 25 GHz

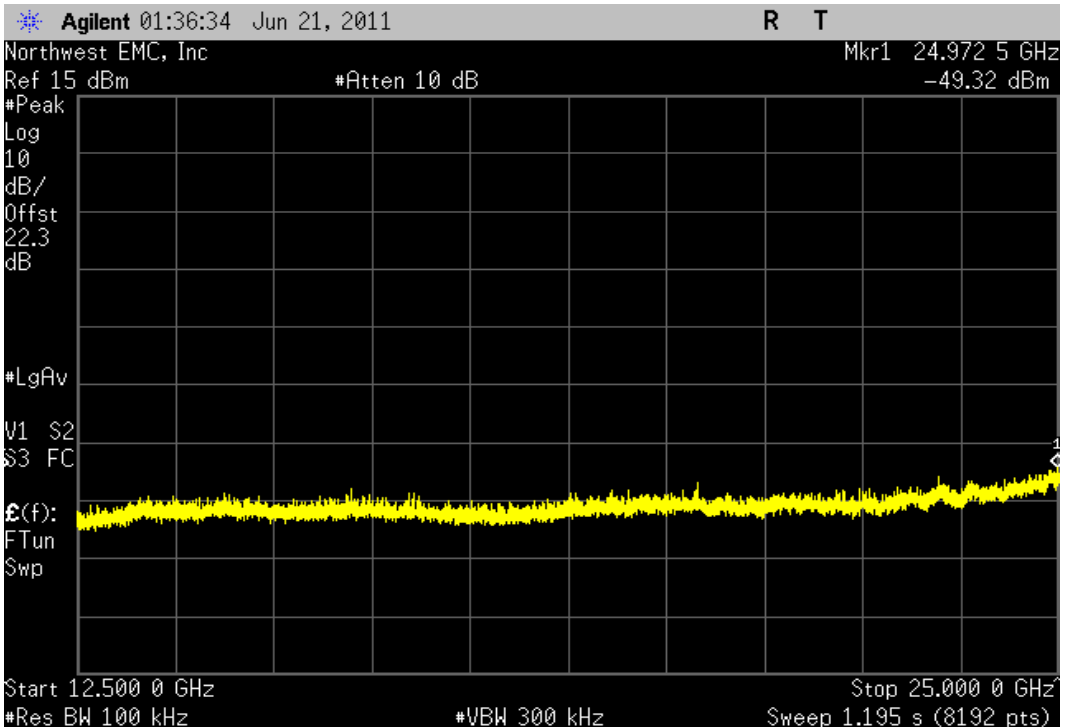
Value

-49.32 dBc

Limit

 $\leq -20$  dBc

Result

 $\leq -20$  dBc

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       |
| Spectrum Analyzer | Agilent         | E4440A | AFG | 4/28/2011 | 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

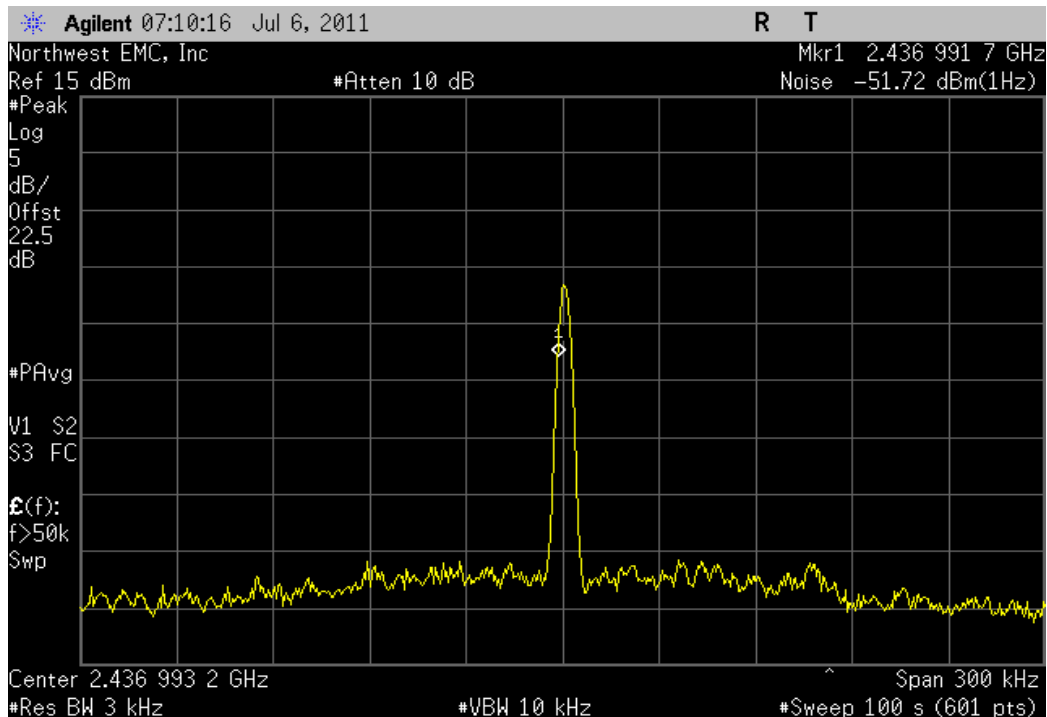
The peak output power was measured with the EUT set to low, medium, and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting at its maximum data rate and maximum output power.

**De Facto EIRP Limit:** Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36dBm.

| NORTHWEST                                                |                             | Power Spectral Density                                                                                 |                        | XMit 2011.04.20<br>PsaTx 2011.06.20 |        |
|----------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|--------|
| EMC                                                      |                             |                                                                                                        |                        |                                     |        |
| EUT: WMIA-199NI                                          |                             | Work Order: PROS0109                                                                                   |                        |                                     |        |
| Serial Number: 09435H1000039                             |                             | Date: 07/07/11                                                                                         |                        |                                     |        |
| Customer: ProSoft Technology, Inc.                       |                             | Temperature: 22.06°C                                                                                   |                        |                                     |        |
| Attendees: None                                          |                             | Humidity: 48%                                                                                          |                        |                                     |        |
| Project: None                                            |                             | Barometric Pres.: 1011                                                                                 |                        |                                     |        |
| Tested by: Jaemi Suh                                     |                             | Power: 120V/60Hz                                                                                       |                        | Job Site: OC11                      |        |
| TEST SPECIFICATIONS                                      |                             | TEST METHOD                                                                                            |                        |                                     |        |
| FCC 15.247:2011                                          |                             | ANSI C63.10:2009                                                                                       |                        |                                     |        |
| COMMENTS                                                 |                             |                                                                                                        |                        |                                     |        |
| Chain 1. Operating at 802.11 a/g/n. PC Power Level = 15. |                             |                                                                                                        |                        |                                     |        |
| DEVIATIONS FROM TEST STANDARD                            |                             |                                                                                                        |                        |                                     |        |
|                                                          |                             |                                                                                                        |                        |                                     |        |
| Configuration #                                          | 1                           | <div>Signature</div>  |                        |                                     |        |
|                                                          |                             |                                                                                                        | Value<br>(dBm / 3 kHz) | Limit<br>(dBm / 3 kHz)              | Result |
| 802.11(g) 6 Mbps                                         |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -19.21                 | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -18.94                 | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -18.864                | 8                                   | Pass   |
| 802.11(n) MCS8                                           |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -18.223                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -17.984                | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -18.242                | 8                                   | Pass   |
| 802.11(n) MCS8(40 MHz)                                   |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2422 MHz)    |                                                                                                        | -17.641                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -16.924                | 8                                   | Pass   |
|                                                          | High Channel 11 (2452 MHz)  |                                                                                                        | -22.775                | 8                                   | Pass   |
|                                                          | Low Channel 149 (5755 MHz)  |                                                                                                        | -19.107                | 8                                   | Pass   |
|                                                          | High Channel 165 (5795 MHz) |                                                                                                        | -18.833                | 8                                   | Pass   |
| 802.11(a) 54 Mbps                                        |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -19.687                | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -18.405                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -19.551                | 8                                   | Pass   |
| 802.11(n) MCS8                                           |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -20.255                | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -21.593                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -21.763                | 8                                   | Pass   |

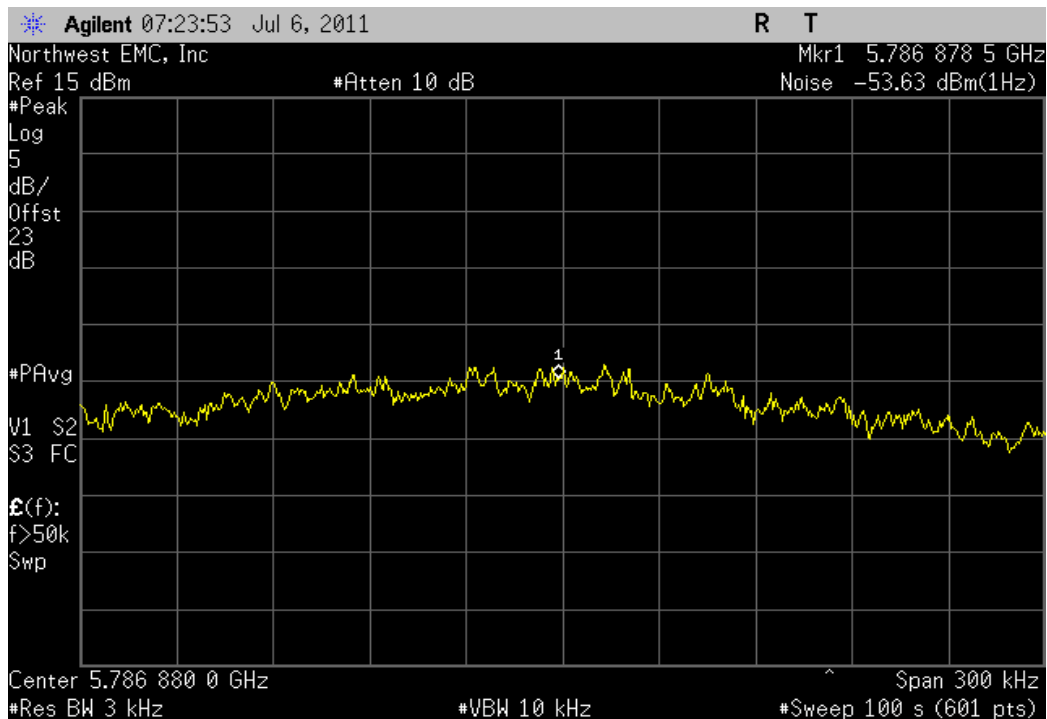
802.11(n) MCS0(40 MHz), Low Channel 1 (2422 MHz)

| Value         | Limit         | Result |
|---------------|---------------|--------|
| (dBm / 3 kHz) | (dBm / 3 kHz) |        |
| -16.924       | 8             | Pass   |



802.11(a) 36 Mbps, Mid Channel 157 (5785 MHz)

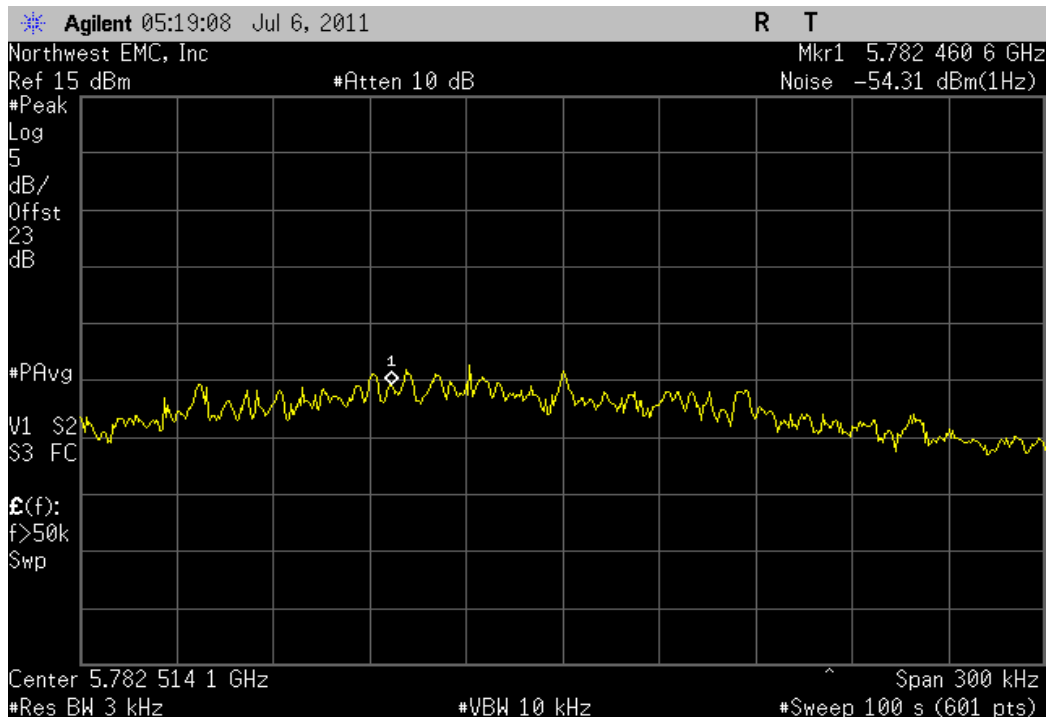
| Value         | Limit         | Result |
|---------------|---------------|--------|
| (dBm / 3 kHz) | (dBm / 3 kHz) |        |
| -18.405       | 8             | Pass   |



| NORTHWEST                                                |                             | Power Spectral Density                                                                                 |                        | XMit 2011.04.20<br>PsaTx 2011.06.20 |        |
|----------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|--------|
| <b>EMC</b>                                               |                             |                                                                                                        |                        |                                     |        |
| EUT: WMIA-199NI                                          |                             | Work Order: PROS0109                                                                                   |                        |                                     |        |
| Serial Number: 09435H1000039                             |                             | Date: 07/07/11                                                                                         |                        |                                     |        |
| Customer: ProSoft Technology, Inc.                       |                             | Temperature: 22.06°C                                                                                   |                        |                                     |        |
| Attendees: None                                          |                             | Humidity: 48%                                                                                          |                        |                                     |        |
| Project: None                                            |                             | Barometric Pres.: 1011                                                                                 |                        |                                     |        |
| Tested by: Jaemi Suh                                     |                             | Power: 120V/60Hz                                                                                       |                        | Job Site: OC11                      |        |
| TEST SPECIFICATIONS                                      |                             | TESTH METHOD                                                                                           |                        |                                     |        |
| FCC 15.247:2011                                          |                             | ANSI C63.10:2009                                                                                       |                        |                                     |        |
| <b>COMMENTS</b>                                          |                             |                                                                                                        |                        |                                     |        |
| Chain 2. Operating at 802.11 a/g/n. PC Power Level = 15. |                             |                                                                                                        |                        |                                     |        |
| <b>DEVIATIONS FROM TEST STANDARD</b>                     |                             |                                                                                                        |                        |                                     |        |
|                                                          |                             |                                                                                                        |                        |                                     |        |
| Configuration #                                          | 1                           | <div>Signature </div> |                        |                                     |        |
|                                                          |                             |                                                                                                        | Value<br>(dBm / 3 kHz) | Limit<br>(dBm / 3 kHz)              | Result |
| 802.11(g) 54 Mbps                                        |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -20.992                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -22.05                 | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -21.975                | 8                                   | Pass   |
| 802.11(n) MCS15                                          |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -21.33                 | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -20.551                | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -22.855                | 8                                   | Pass   |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -24.915                | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -24.667                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -24.614                | 8                                   | Pass   |
| 802.11(n) MCS15(40 MHz)                                  |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2422 MHz)    |                                                                                                        | -19.956                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -19.507                | 8                                   | Pass   |
|                                                          | High Channel 11 (2452 MHz)  |                                                                                                        | -19.615                | 8                                   | Pass   |
| 802.11(a) 6 Mbps                                         |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -19.782                | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -19.331                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -19.287                | 8                                   | Pass   |
| 802.11(n) MCS8(40 MHz)                                   |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5755 MHz)  |                                                                                                        | -22.733                | 8                                   | Pass   |
|                                                          | High Channel 165 (5795 MHz) |                                                                                                        | -21.215                | 8                                   | Pass   |

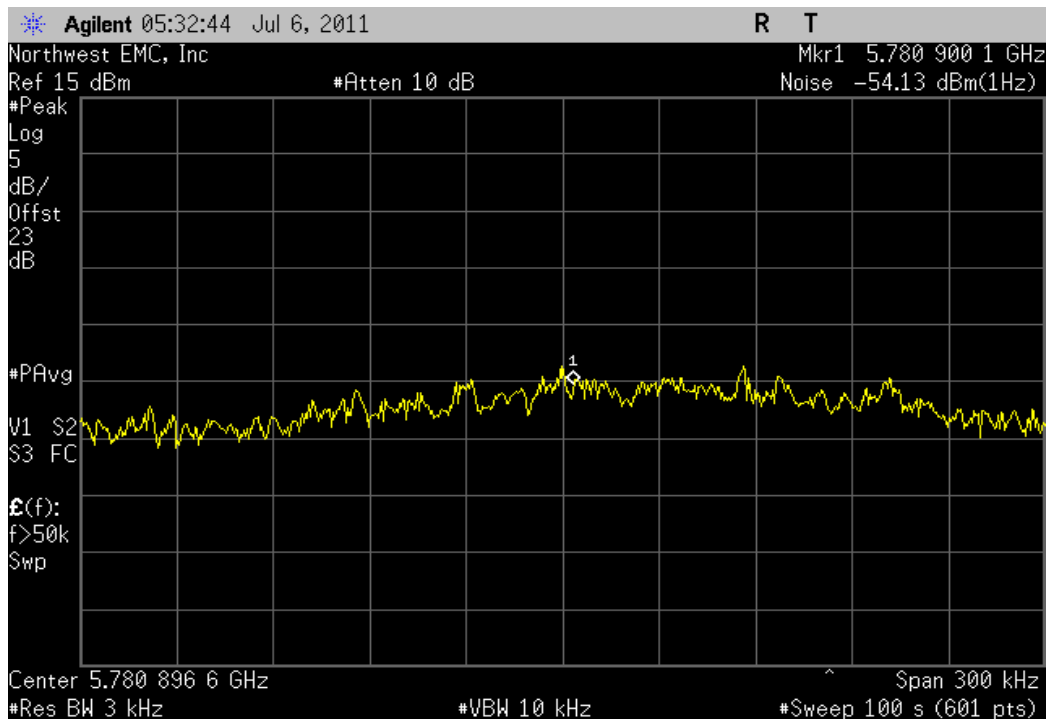
802.11(n) MCS8(40 MHz), Low Channel 1 (2422 MHz)

| Value<br>(dBm / 3 kHz) | Limit<br>(dBm / 3 kHz) | Result |
|------------------------|------------------------|--------|
| -19.507                | 8                      | Pass   |



802.11(a) 6 Mbps, Mid Channel 157 (5785 MHz)

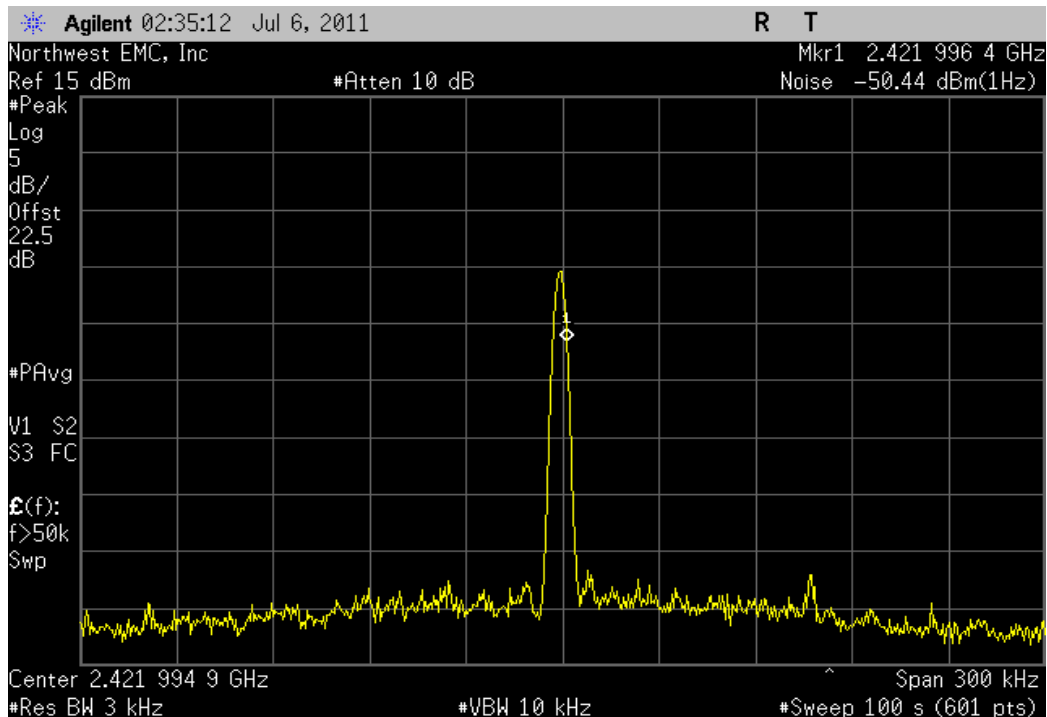
| Value<br>(dBm / 3 kHz) | Limit<br>(dBm / 3 kHz) | Result |
|------------------------|------------------------|--------|
| -19.331                | 8                      | Pass   |



| NORTHWEST                                                |                             | Power Spectral Density                                                                                 |                        | XMit 2011.04.20<br>PsaTx 2011.06.20 |        |
|----------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|--------|
| <b>EMC</b>                                               |                             |                                                                                                        |                        |                                     |        |
| EUT: WMIA-199NI                                          |                             | Work Order: PROS0109                                                                                   |                        |                                     |        |
| Serial Number: 09435H1000039                             |                             | Date: 07/07/11                                                                                         |                        |                                     |        |
| Customer: ProSoft Technology, Inc.                       |                             | Temperature: 22.06°C                                                                                   |                        |                                     |        |
| Attendees: None                                          |                             | Humidity: 48%                                                                                          |                        |                                     |        |
| Project: None                                            |                             | Barometric Pres.: 1011                                                                                 |                        |                                     |        |
| Tested by: Jaemi Suh                                     |                             | Power: 120V/60Hz                                                                                       |                        | Job Site: OC11                      |        |
| TEST SPECIFICATIONS                                      |                             | TEST METHOD                                                                                            |                        |                                     |        |
| FCC 15.247:2011                                          |                             | ANSI C63.10:2009                                                                                       |                        |                                     |        |
| COMMENTS                                                 |                             |                                                                                                        |                        |                                     |        |
| Chain 3. Operating at 802.11 a/g/n. PC Power Level = 15. |                             |                                                                                                        |                        |                                     |        |
| DEVIATIONS FROM TEST STANDARD                            |                             |                                                                                                        |                        |                                     |        |
|                                                          |                             |                                                                                                        |                        |                                     |        |
| Configuration #                                          | 1                           | <div>Signature </div> |                        |                                     |        |
|                                                          |                             |                                                                                                        | Value<br>(dBm / 3 kHz) | Limit<br>(dBm / 3 kHz)              | Result |
| 802.11(g) 6 Mbps                                         |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -20.753                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -21.553                | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -20.746                | 8                                   | Pass   |
| 802.11(n) MCS7(40 MHz)                                   |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2412 MHz)    |                                                                                                        | -14.393                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -21.771                | 8                                   | Pass   |
|                                                          | High Channel 11 (2462 MHz)  |                                                                                                        | -20.773                | 8                                   | Pass   |
| 802.11(n) MCS15(40 MHz)                                  |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 1 (2422 MHz)    |                                                                                                        | -15.644                | 8                                   | Pass   |
|                                                          | Mid Channel 6 (2437 MHz)    |                                                                                                        | -24.723                | 8                                   | Pass   |
|                                                          | High Channel 11 (2452 MHz)  |                                                                                                        | -23.989                | 8                                   | Pass   |
|                                                          | Low Channel 149 (5755 MHz)  |                                                                                                        | -21.298                | 8                                   | Pass   |
|                                                          | High Channel 165 (5795 MHz) |                                                                                                        | -20.657                | 8                                   | Pass   |
| 802.11(a) 54 Mbps                                        |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -19.882                | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -21.384                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -21.18                 | 8                                   | Pass   |
| 802.11(n) MCS7                                           |                             |                                                                                                        |                        |                                     |        |
|                                                          | Low Channel 149 (5745 MHz)  |                                                                                                        | -20.12                 | 8                                   | Pass   |
|                                                          | Mid Channel 157 (5785 MHz)  |                                                                                                        | -24.573                | 8                                   | Pass   |
|                                                          | High Channel 165 (5825 MHz) |                                                                                                        | -23.457                | 8                                   | Pass   |

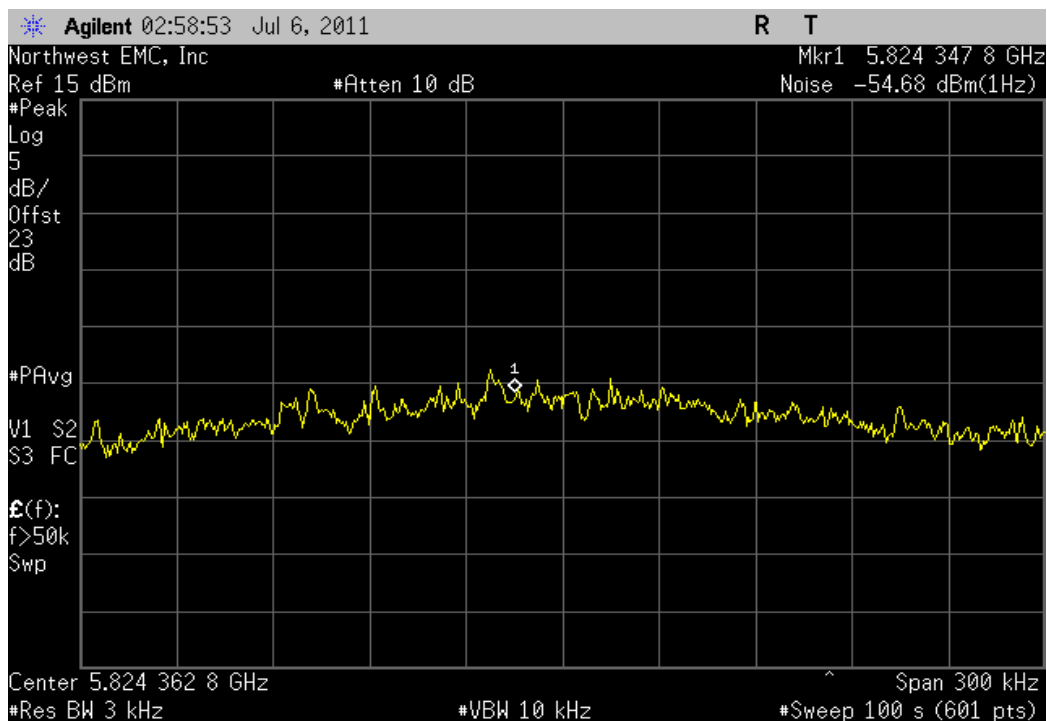
802.11(n) MCS7(40 MHz), Mid Channel 6 (2437 MHz)

| Value         | Limit         | Result |
|---------------|---------------|--------|
| (dBm / 3 kHz) | (dBm / 3 kHz) |        |
| -15.644       | 8             | Pass   |



802.11(a) 54 Mbps, Low Channel 149 (5745 MHz)

| Value         | Limit         | Result |
|---------------|---------------|--------|
| (dBm / 3 kHz) | (dBm / 3 kHz) |        |
| -19.882       | 8             | Pass   |



# 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.

## MODES OF OPERATION

Transmitting at 802.11(g)/(n) Channel 1  
 Transmitting at 802.11(g)/(n) Channel 6  
 Transmitting at 802.11(g)/(n) Channel 11  
 Transmitting at 802.11(a)/(n) Channel 149  
 Transmitting at 802.11(a)/(n) Channel 157  
 Transmitting at 802.11(a)/(n) Channel 165

## CHANNEL BANDWIDTHS INVESTIGATED

20 MHz  
 40 MHz

## MODES INVESTIGATED

6 Mbps, 36 Mbps, 54 Mbps, MCS0, MCS7, MCS8, MCS15

## POWER SETTINGS INVESTIGATED

120VAC/60Hz

## FREQUENCY RANGE INVESTIGATED

|                 |        |                |           |
|-----------------|--------|----------------|-----------|
| Start Frequency | 30 MHz | Stop Frequency | 18000 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-12001800-30-10P | AVP | 2/13/2011  | 12       |
| Antenna, Horn     | EMCO         | 3160-08                | AHK | NCR        | 0        |
| Pre-Amplifier     | Miteq        | AMF-6F-08001200-30-10P | AVL | 4/8/2011   | 12       |
| Antenna, Horn     | ETS          | 3160-07                | AHX | NCR        | 0        |
| OC11 Cables       | N/A          | 12-18GHz RE Cables     | OCS | 4/8/2011   | 12       |
| Pre-Amplifier     | Miteq        | AMF-3D-00100800-32-13P | AVJ | 10/28/2010 | 12       |
| Antenna, Horn     | EMCO         | 3115                   | AHB | 3/8/2011   | 24       |
| OC11 Cables       | N/A          | 1-8GHz RE Cables       | OCR | 4/8/2011   | 12       |
| Spectrum Analyzer | Agilent      | E4440A                 | AFG | 4/28/2011  | 12       |

## MEASUREMENT BANDWIDTHS

| Frequency Range<br>(MHz) | Peak Data<br>(kHz) | Quasi-Peak Data<br>(kHz) | Average Data<br>(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. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. The measurement uncertainty estimation is available upon request.

## TEST DESCRIPTION

The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |  |                    |  |                          |  |
|------------------------------------|--|--------------------|--|--------------------------|--|
| EUT: WMIA-199NI                    |  |                    |  | Work Order: PROS0109     |  |
| Serial Number: 09435H1000039       |  |                    |  | Date: 06/27/11           |  |
| Customer: ProSoft Technology, Inc. |  |                    |  | Temperature: 22.41       |  |
| Attendees: None                    |  |                    |  | Humidity: 41%            |  |
| Project: None                      |  |                    |  | Barometric Pres.: 1019.2 |  |
| Tested by: Mark Baytan             |  | Power: 120VAC/60Hz |  | Job Site: OC11           |  |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

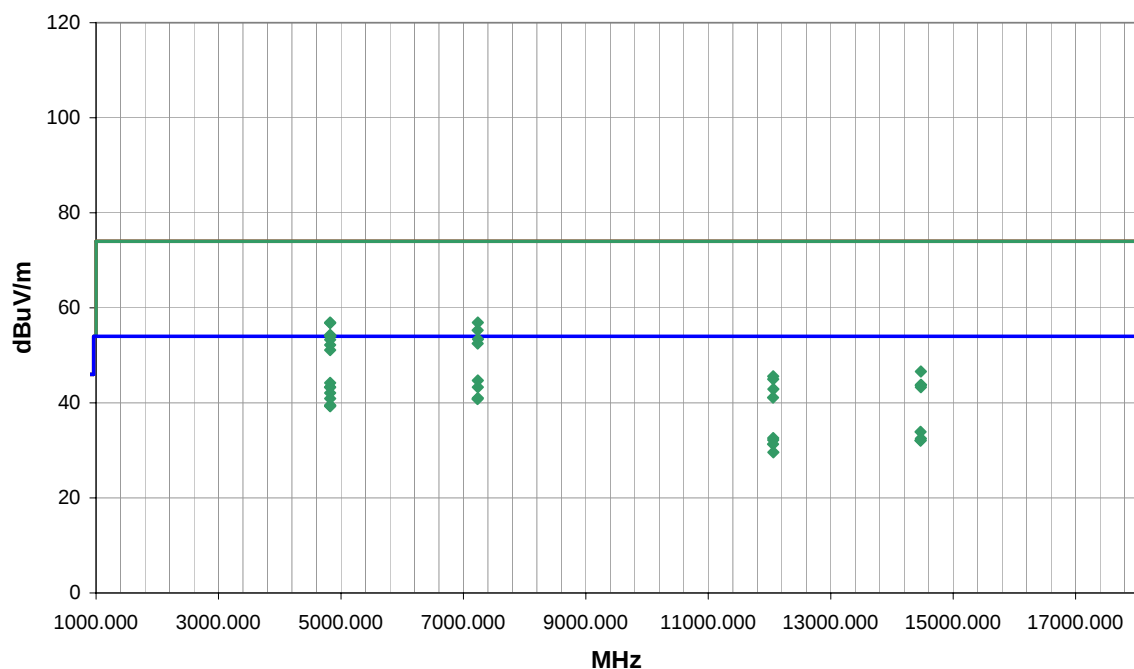
## EUT OPERATING MODES

Transmitting at 802.11(g)/(n) Channel 1

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 25   | Signature  |
| Configuration # | 2    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 7235.709   | 33.7             | 11.0        | 25.0              | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 44.7            | 54.0               | -9.3                   | 6 Mbps   |
| 4822.722   | 39.1             | 5.1         | 27.0              | 1.1             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 44.2            | 54.0               | -9.8                   | 6 Mbps Z |
| 4823.951   | 38.2             | 5.1         | 130.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 43.3            | 54.0               | -10.7                  | 6 Mbps X |
| 7234.606   | 32.3             | 11.0        | 208.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 43.3            | 54.0               | -10.7                  | 6 Mbps   |
| 4821.921   | 38.2             | 5.1         | 348.0             | 1.1             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 43.3            | 54.0               | -10.7                  | MCS15    |
| 4824.605   | 36.9             | 5.2         | 347.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.1            | 54.0               | -11.9                  | 6 Mbps X |
| 7234.838   | 30.0             | 11.0        | 34.0              | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 41.0            | 54.0               | -13.0                  | MCS15    |
| 4824.087   | 35.8             | 5.1         | 168.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 40.9            | 54.0               | -13.1                  | 6 Mbps Y |
| 7231.404   | 29.8             | 11.0        | 293.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 40.8            | 54.0               | -13.2                  | MCS15    |
| 4823.892   | 34.4             | 5.1         | 344.0             | 1.1             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 39.5            | 54.0               | -14.5                  | MCS15    |
| 4823.918   | 34.3             | 5.1         | 183.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 39.4            | 54.0               | -14.6                  | 6 Mbps Y |
| 4823.960   | 34.2             | 5.1         | 213.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 39.3            | 54.0               | -14.7                  | 6 Mbps Z |
| 7234.599   | 45.9             | 11.0        | 25.0              | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 56.9            | 74.0               | -17.1                  | 6 Mbps   |
| 4822.487   | 51.8             | 5.1         | 27.0              | 1.1             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 56.9            | 74.0               | -17.1                  | 6 Mbps X |
| 4824.035   | 51.7             | 5.1         | 130.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 56.8            | 74.0               | -17.2                  | 6 Mbps Z |
| 7234.066   | 44.3             | 11.0        | 208.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 55.3            | 74.0               | -18.7                  | 6 Mbps   |
| 4823.264   | 49.2             | 5.1         | 348.0             | 1.1             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.3            | 74.0               | -19.7                  | MCS15    |
| 4824.032   | 49.0             | 5.1         | 168.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.1            | 74.0               | -19.9                  | 6 Mbps Y |
| 4825.673   | 48.9             | 5.1         | 347.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.0            | 74.0               | -20.0                  | 6 Mbps X |
| 14467.710  | 32.9             | 1.0         | 283.0             | 1.1             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 33.9            | 54.0               | -20.1                  | 6 Mbps   |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |  |                    |  |                          |  |
|------------------------------------|--|--------------------|--|--------------------------|--|
| EUT: WMIA-199NI                    |  |                    |  | Work Order: PROS0109     |  |
| Serial Number: 09435H1000039       |  |                    |  | Date: 06/27/11           |  |
| Customer: ProSoft Technology, Inc. |  |                    |  | Temperature: 22.41       |  |
| Attendees: None                    |  |                    |  | Humidity: 41%            |  |
| Project: None                      |  |                    |  | Barometric Pres.: 1019.2 |  |
| Tested by: Mark Baytan             |  | Power: 120VAC/60Hz |  | Job Site: OC11           |  |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

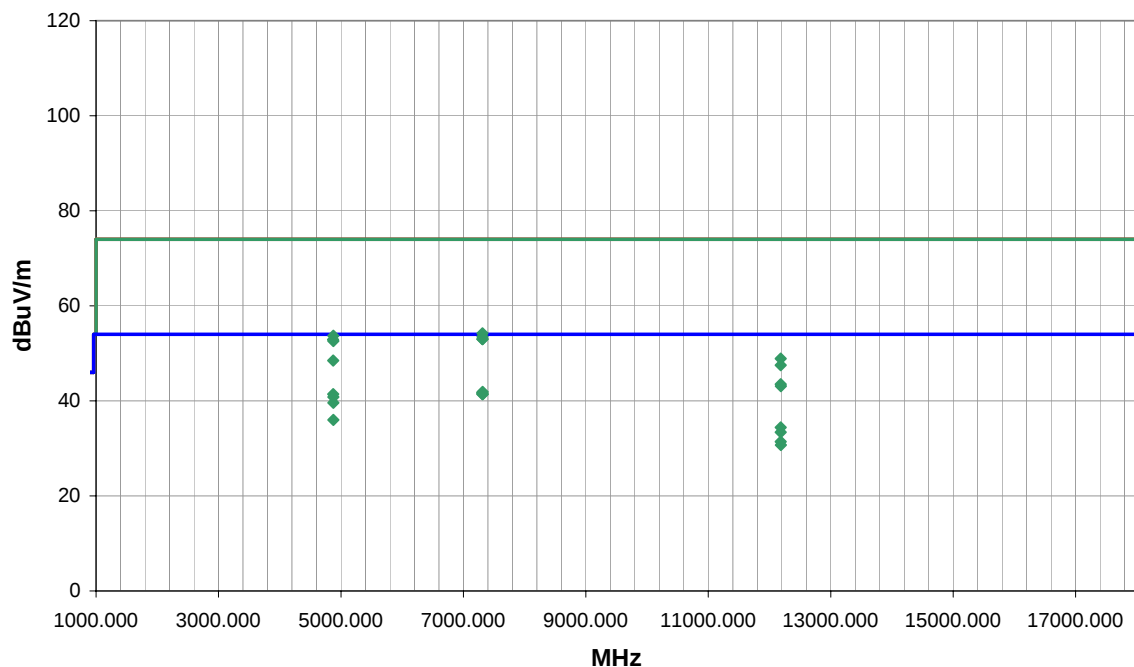
## EUT OPERATING MODES

Transmitting at 802.11(g)/(n) Channel 6

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 27   | Signature  |
| Configuration # | 2    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 7314.377   | 30.6             | 11.3        | 160.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 41.9            | 54.0               | -12.1                  | 6 Mbps   |
| 7306.812   | 30.4             | 11.3        | 89.0              | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 41.7            | 54.0               | -12.3                  | MCS15    |
| 4873.143   | 36.1             | 5.3         | 30.0              | 1.2             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.4            | 54.0               | -12.6                  | MCS15    |
| 7307.842   | 30.1             | 11.3        | 358.0             | 1.8             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.4            | 54.0               | -12.6                  | MCS15    |
| 7316.599   | 30.1             | 11.3        | 29.0              | 1.8             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.4            | 54.0               | -12.6                  | 6 Mbps   |
| 4875.752   | 35.5             | 5.3         | 42.0              | 1.3             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 40.8            | 54.0               | -13.2                  | 6 Mbps   |
| 4874.455   | 34.3             | 5.3         | 125.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 39.6            | 54.0               | -14.4                  | 6 Mbps   |
| 4876.062   | 30.7             | 5.3         | 122.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 36.0            | 54.0               | -18.0                  | MCS15    |
| 12182.810  | 40.8             | -6.4        | 241.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 34.4            | 54.0               | -19.6                  | 6 Mbps   |
| 7312.234   | 42.9             | 11.3        | 160.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.2            | 74.0               | -19.8                  | 6 Mbps   |
| 4875.637   | 48.4             | 5.3         | 42.0              | 1.3             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 53.7            | 74.0               | -20.3                  | 6 Mbps   |
| 7311.397   | 42.2             | 11.3        | 29.0              | 1.8             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 53.5            | 74.0               | -20.5                  | 6 Mbps   |
| 12183.830  | 39.8             | -6.4        | 181.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 33.4            | 54.0               | -20.6                  | 6 Mbps   |
| 7309.642   | 41.7             | 11.3        | 89.0              | 1.0             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 53.0            | 74.0               | -21.0                  | MCS15    |
| 7313.290   | 41.7             | 11.3        | 358.0             | 1.8             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 53.0            | 74.0               | -21.0                  | MCS15    |
| 4871.144   | 47.6             | 5.3         | 30.0              | 1.2             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.9            | 74.0               | -21.1                  | MCS15    |
| 4875.210   | 47.3             | 5.3         | 125.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 52.6            | 74.0               | -21.4                  | 6 Mbps   |
| 12182.420  | 37.8             | -6.4        | 211.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 31.4            | 54.0               | -22.6                  | MCS15    |
| 12184.460  | 37.1             | -6.4        | 153.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 30.7            | 54.0               | -23.3                  | MCS15    |
| 12183.450  | 55.3             | -6.4        | 241.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 48.9            | 74.0               | -25.1                  | 6 Mbps   |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |  |                    |  |                          |  |
|------------------------------------|--|--------------------|--|--------------------------|--|
| EUT: WMIA-199NI                    |  |                    |  | Work Order: PROS0109     |  |
| Serial Number: 09435H1000039       |  |                    |  | Date: 06/27/11           |  |
| Customer: ProSoft Technology, Inc. |  |                    |  | Temperature: 22.41       |  |
| Attendees: None                    |  |                    |  | Humidity: 41%            |  |
| Project: None                      |  |                    |  | Barometric Pres.: 1019.2 |  |
| Tested by: Mark Baytan             |  | Power: 120VAC/60Hz |  | Job Site: OC11           |  |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

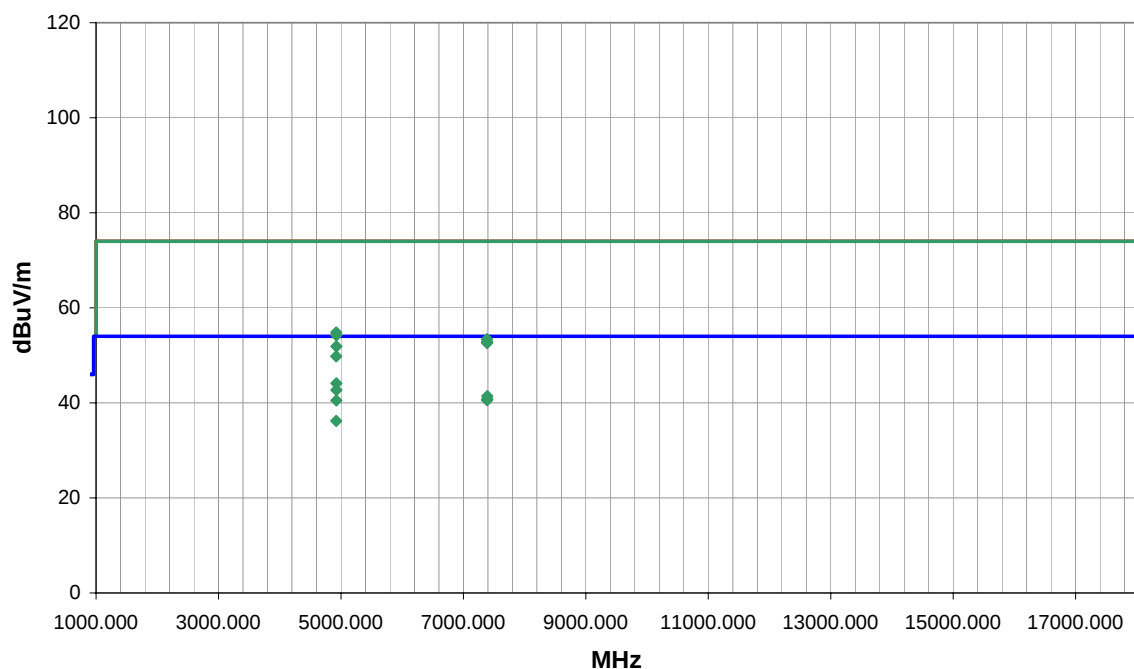
## EUT OPERATING MODES

Transmitting at 802.11(g)/(n) Channel 11

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 30   | Signature  |
| Configuration # | 2    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 4924.246   | 38.6             | 5.5         | 344.0             | 1.1             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 44.1            | 54.0               | -9.9                   | 6 Mbps   |
| 4923.988   | 37.2             | 5.5         | 345.0             | 1.1             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 42.7            | 54.0               | -11.3                  | MCS15    |
| 7390.786   | 30.1             | 11.3        | 231.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.4            | 54.0               | -12.6                  | 6 Mbps   |
| 7389.429   | 29.5             | 11.3        | 188.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 40.8            | 54.0               | -13.2                  | MCS15    |
| 7386.005   | 29.3             | 11.3        | 154.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 40.6            | 54.0               | -13.4                  | MCS15    |
| 7387.590   | 29.3             | 11.3        | 190.0             | 2.4             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 40.6            | 54.0               | -13.4                  | 6 Mbps   |
| 4926.010   | 35.0             | 5.5         | 125.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 40.5            | 54.0               | -13.5                  | 6 Mbps   |
| 4923.218   | 30.7             | 5.5         | 105.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 36.2            | 54.0               | -17.8                  | MCS15    |
| 4921.722   | 49.3             | 5.5         | 345.0             | 1.1             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 54.8            | 74.0               | -19.2                  | MCS15    |
| 4925.665   | 48.7             | 5.5         | 344.0             | 1.1             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 54.2            | 74.0               | -19.8                  | 6 Mbps   |
| 7385.230   | 42.1             | 11.3        | 190.0             | 2.4             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 53.4            | 74.0               | -20.6                  | 6 Mbps   |
| 7385.608   | 41.5             | 11.3        | 188.0             | 1.2             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 52.8            | 74.0               | -21.2                  | MCS15    |
| 7388.407   | 41.5             | 11.3        | 231.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.8            | 74.0               | -21.2                  | 6 Mbps   |
| 7386.779   | 41.3             | 11.3        | 154.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.6            | 74.0               | -21.4                  | MCS15    |
| 4926.109   | 46.4             | 5.5         | 125.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 51.9            | 74.0               | -22.1                  | 6 Mbps   |
| 4922.967   | 44.3             | 5.5         | 105.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 49.8            | 74.0               | -24.2                  | MCS15    |
| 12310.040  | 34.1             | -133.9      | 86.0              | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | -99.8           | 54.0               | -153.8                 | MCS15    |
| 12310.080  | 33.9             | -133.9      | 336.0             | 2.1             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | -100.0          | 54.0               | -154.0                 | MCS15    |
| 12308.370  | 31.5             | -133.9      | 166.0             | 1.3             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | -102.4          | 54.0               | -156.4                 | 6 Mbps   |
| 12304.960  | 31.3             | -133.9      | 251.0             | 1.9             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | -102.6          | 54.0               | -156.6                 | 6 Mbps   |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |                          |
|------------------------------------|--------------------------|
| EUT: WMIA-199NI                    | Work Order: PROS0109     |
| Serial Number: 09435H1000039       | Date: 06/28/11           |
| Customer: ProSoft Technology, Inc. | Temperature: 22.41       |
| Attendees: None                    | Humidity: 41%            |
| Project: None                      | Barometric Pres.: 1019.2 |
| Tested by: Mark Baytan             | Power: 120VAC/60Hz       |
|                                    | Job Site: OC11           |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

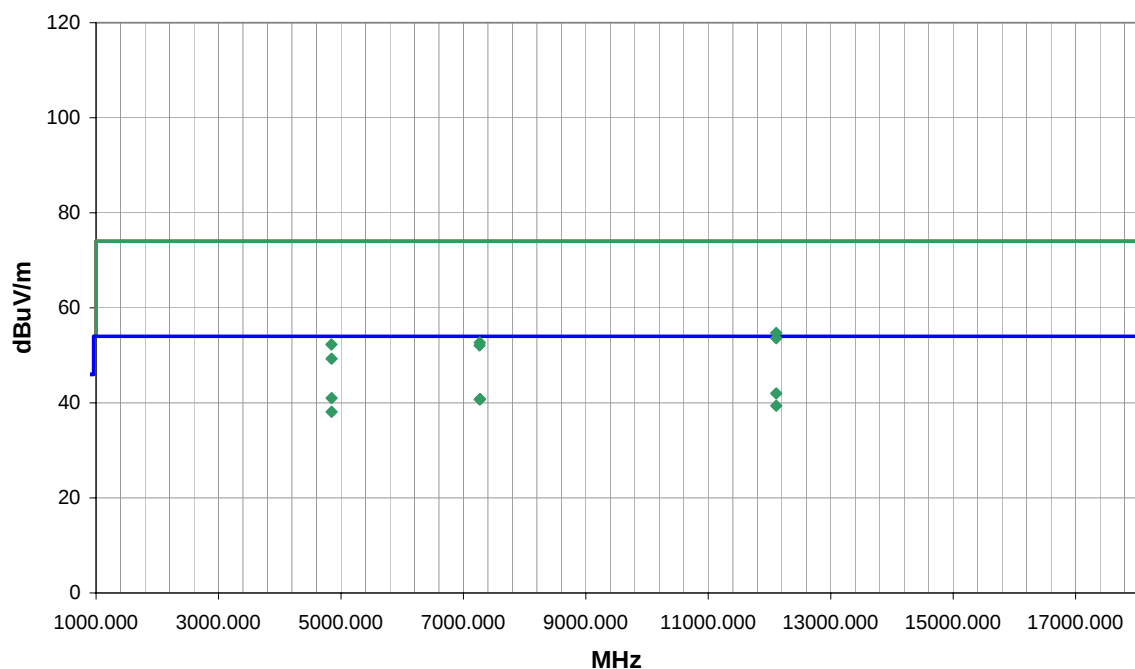
## EUT OPERATING MODES

Transmitting at 802.11(n) Channel 1 40MHz

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 25   | Signature  |
| Configuration # | 1    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 12110.570  | 31.0             | 11.0        | 131.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.0            | 54.0               | -12.0                  | MCS15    |
| 4847.707   | 35.8             | 5.2         | 124.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 41.0            | 54.0               | -13.0                  | MCS15    |
| 7271.284   | 29.7             | 11.1        | 189.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 40.8            | 54.0               | -13.2                  | MCS15    |
| 7266.155   | 29.6             | 11.1        | 197.0             | 3.2             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 40.7            | 54.0               | -13.3                  | MCS15    |
| 12110.540  | 28.4             | 11.0        | 198.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 39.4            | 54.0               | -14.6                  | MCS15    |
| 4847.778   | 32.9             | 5.2         | 326.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 38.1            | 54.0               | -15.9                  | MCS15    |
| 12109.980  | 43.7             | 11.0        | 131.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.7            | 74.0               | -19.3                  | MCS15    |
| 12110.000  | 42.6             | 11.0        | 198.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 53.6            | 74.0               | -20.4                  | MCS15    |
| 7266.950   | 41.6             | 11.1        | 189.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 52.7            | 74.0               | -21.3                  | MCS15    |
| 4844.137   | 47.1             | 5.2         | 124.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 52.3            | 74.0               | -21.7                  | MCS15    |
| 7264.928   | 41.0             | 11.1        | 197.0             | 3.2             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.1            | 74.0               | -21.9                  | MCS15    |
| 4845.845   | 44.1             | 5.2         | 326.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 49.3            | 74.0               | -24.7                  | MCS15    |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |                          |
|------------------------------------|--------------------------|
| EUT: WMIA-199NI                    | Work Order: PROS0109     |
| Serial Number: 09435H1000039       | Date: 06/28/11           |
| Customer: ProSoft Technology, Inc. | Temperature: 22.41       |
| Attendees: None                    | Humidity: 41%            |
| Project: None                      | Barometric Pres.: 1019.2 |
| Tested by: Mark Baytan             | Power: 120VAC/60Hz       |
|                                    | Job Site: OC11           |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

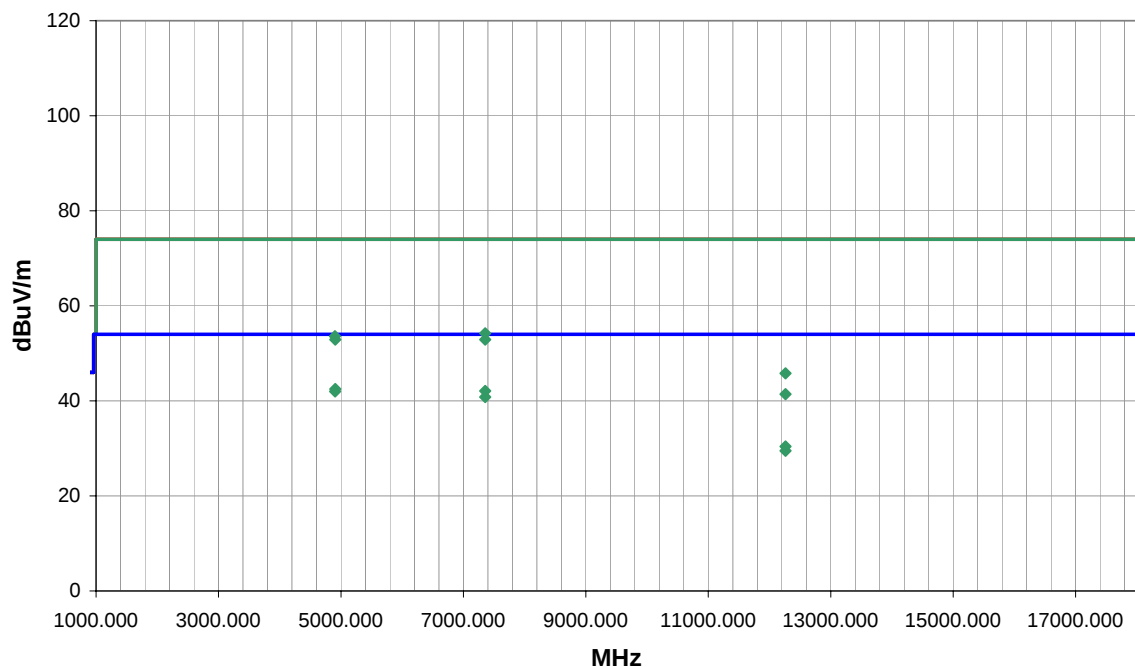
## EUT OPERATING MODES

Transmitting at 802.11(n) Channel 11 40MHz

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 25   | Signature  |
| Configuration # | 1    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 4907.533   | 37.1             | 5.4         | 108.0             | 1.3             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.5            | 54.0               | -11.5                  | MCS15    |
| 7354.458   | 30.8             | 11.3        | 35.0              | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.1            | 54.0               | -11.9                  | MCS15    |
| 4904.159   | 36.6             | 5.4         | 40.0              | 1.2             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 42.0            | 54.0               | -12.0                  | MCS15    |
| 7355.246   | 29.5             | 11.3        | 6.0               | 2.0             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 40.8            | 54.0               | -13.2                  | MCS15    |
| 7354.464   | 42.9             | 11.3        | 35.0              | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 54.2            | 74.0               | -19.8                  | MCS15    |
| 4901.035   | 48.2             | 5.4         | 108.0             | 1.3             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 53.6            | 74.0               | -20.4                  | MCS15    |
| 4906.338   | 47.5             | 5.4         | 40.0              | 1.2             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.9            | 74.0               | -21.1                  | MCS15    |
| 7355.108   | 41.6             | 11.3        | 6.0               | 2.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 52.9            | 74.0               | -21.1                  | MCS15    |
| 12260.310  | 36.7             | -6.3        | 209.0             | 1.5             | 3.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 30.4            | 54.0               | -23.6                  | MCS15    |
| 12260.190  | 35.8             | -6.3        | 299.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 29.5            | 54.0               | -24.5                  | MCS15    |
| 12260.010  | 52.1             | -6.3        | 209.0             | 1.5             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 45.8            | 74.0               | -28.2                  | MCS15    |
| 12260.290  | 47.7             | -6.3        | 299.0             | 1.0             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 41.4            | 74.0               | -32.6                  | MCS15    |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |                          |
|------------------------------------|--------------------------|
| EUT: WMIA-199NI                    | Work Order: PROS0109     |
| Serial Number: 09435H1000039       | Date: 06/29/11           |
| Customer: ProSoft Technology, Inc. | Temperature: 22.41       |
| Attendees: None                    | Humidity: 41%            |
| Project: None                      | Barometric Pres.: 1019.2 |
| Tested by: Jaemi Suh               | Power: 120VAC/60Hz       |
|                                    | Job Site: OC11           |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

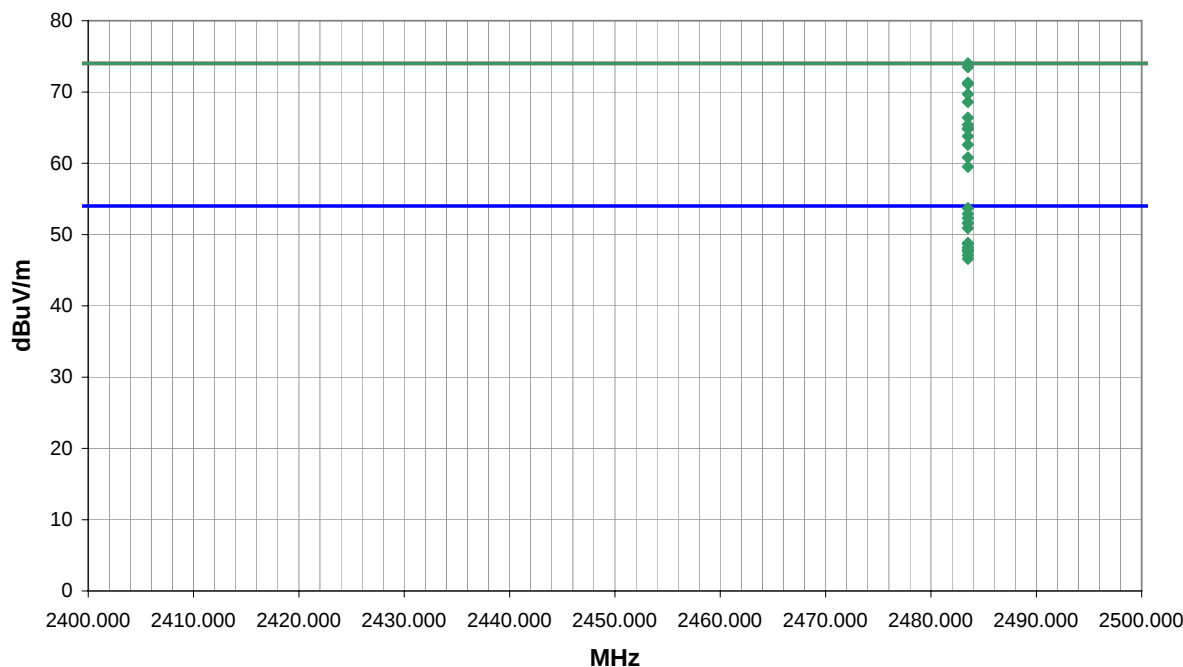
## EUT OPERATING MODES

Transmitting at 802.11 (g) and 802.11 (n).

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 18   | Signature  |
| Configuration # | 1    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 2483.500   | 57.4             | -3.4        | 152.0             | 2.0             | 0.0               | 20.0                      | H-Horn   | PK       | 0.0                      | 74.0            | 74.0               | 0.0                    | MCS0     |
| 2483.500   | 37.1             | -3.4        | 111.0             | 2.4             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 53.7            | 54.0               | -0.3                   | 6 Mbps   |
| 2483.500   | 56.9             | -3.4        | 111.0             | 2.4             | 0.0               | 20.0                      | H-Horn   | PK       | 0.0                      | 73.5            | 74.0               | -0.5                   | 6 Mbps   |
| 2483.500   | 36.3             | -3.4        | 147.0             | 2.1             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 52.9            | 54.0               | -1.1                   | MCS7     |
| 2483.500   | 35.7             | -3.4        | 152.0             | 2.0             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 52.3            | 54.0               | -1.7                   | MCS0     |
| 2483.500   | 35.0             | -3.4        | 141.0             | 2.0             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 51.6            | 54.0               | -2.4                   | MCS7     |
| 2483.500   | 35.0             | -3.4        | 251.0             | 1.7             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 51.6            | 54.0               | -2.4                   | 54 Mbps  |
| 2483.500   | 54.7             | -3.4        | 147.0             | 2.1             | 0.0               | 20.0                      | V-Horn   | PK       | 0.0                      | 71.3            | 74.0               | -2.7                   | MCS7     |
| 2483.500   | 54.5             | -3.4        | 251.0             | 1.7             | 0.0               | 20.0                      | V-Horn   | PK       | 0.0                      | 71.1            | 74.0               | -2.9                   | 54 Mbps  |
| 2483.500   | 34.3             | -3.4        | 262.0             | 1.7             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 50.9            | 54.0               | -3.1                   | 36 Mbps  |
| 2483.500   | 53.1             | -3.4        | 141.0             | 2.0             | 0.0               | 20.0                      | H-Horn   | PK       | 0.0                      | 69.7            | 74.0               | -4.3                   | MCS7     |
| 2483.499   | 32.2             | -3.4        | 128.0             | 1.9             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 48.8            | 54.0               | -5.2                   | MCS8     |
| 2483.500   | 32.1             | -3.4        | 216.0             | 1.7             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 48.7            | 54.0               | -5.3                   | 6 Mbps   |
| 2483.500   | 52.0             | -3.4        | 262.0             | 1.7             | 0.0               | 20.0                      | V-Horn   | PK       | 0.0                      | 68.6            | 74.0               | -5.4                   | 36 Mbps  |
| 2483.500   | 31.6             | -3.4        | 27.0              | 2.0             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 48.2            | 54.0               | -5.8                   | 54 Mbps  |
| 2483.500   | 31.3             | -3.4        | 45.0              | 1.1             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 47.9            | 54.0               | -6.1                   | 36 Mbps  |
| 2483.500   | 31.2             | -3.4        | 216.0             | 1.8             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 47.8            | 54.0               | -6.2                   | MCS0     |
| 2483.500   | 31.0             | -3.4        | 218.0             | 2.5             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 47.6            | 54.0               | -6.4                   | MCS15    |
| 2483.499   | 30.5             | -3.4        | 225.0             | 2.1             | 0.0               | 20.0                      | V-Horn   | AV       | 0.0                      | 47.1            | 54.0               | -6.9                   | MCS8     |
| 2483.500   | 30.0             | -3.4        | 38.0              | 1.1             | 0.0               | 20.0                      | H-Horn   | AV       | 0.0                      | 46.6            | 54.0               | -7.4                   | MCS15    |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |  |                    |  |                          |  |
|------------------------------------|--|--------------------|--|--------------------------|--|
| EUT: WMIA-199NI                    |  |                    |  | Work Order: PROS0109     |  |
| Serial Number: 09435H1000039       |  |                    |  | Date: 06/29/11           |  |
| Customer: ProSoft Technology, Inc. |  |                    |  | Temperature: 22.41       |  |
| Attendees: None                    |  |                    |  | Humidity: 41%            |  |
| Project: None                      |  |                    |  | Barometric Pres.: 1019.2 |  |
| Tested by: Jaemi Suh               |  | Power: 120VAC/60Hz |  | Job Site: OC11           |  |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

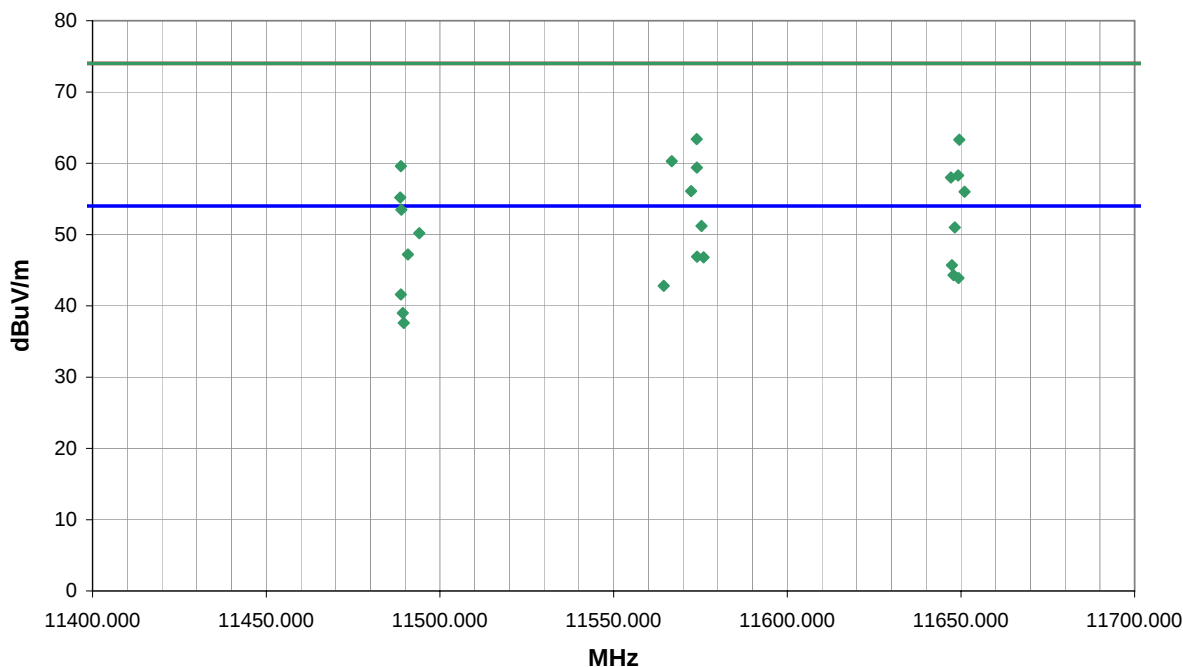
## EUT OPERATING MODES

Transmitting at 802.11 (a) and 802.11 (n)

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 19   | Signature  |
| Configuration # | 1    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 11575.320  | 59.4             | -8.2        | 359.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 51.2            | 54.0               | -2.8                   | MCS7     |
| 11648.220  | 59.0             | -8.0        | 286.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 51.0            | 54.0               | -3.0                   | MCS7     |
| 11490.780  | 55.4             | -8.2        | 291.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 47.2            | 54.0               | -6.8                   | MCS7     |
| 11574.030  | 55.1             | -8.2        | 292.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 46.9            | 54.0               | -7.1                   | 36 Mbps  |
| 11575.920  | 55.0             | -8.2        | 295.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 46.8            | 54.0               | -7.2                   | MCS7     |
| 11647.400  | 53.7             | -8.0        | 293.0             | 1.4             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 45.7            | 54.0               | -8.3                   | MCS7     |
| 11647.850  | 52.3             | -8.0        | 89.0              | 1.4             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 44.3            | 54.0               | -9.7                   | 36 Mbps  |
| 11649.270  | 51.9             | -8.0        | 339.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 43.9            | 54.0               | -10.1                  | 36 Mbps  |
| 11573.920  | 71.6             | -8.2        | 359.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 63.4            | 74.0               | -10.6                  | MCS7     |
| 11649.500  | 71.3             | -8.0        | 286.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 63.3            | 74.0               | -10.7                  | MCS7     |
| 11564.430  | 51.0             | -8.2        | 243.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.8            | 54.0               | -11.2                  | 36 Mbps  |
| 11488.770  | 49.8             | -8.2        | 242.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.6            | 54.0               | -12.4                  | 36 Mbps  |
| 11566.750  | 68.5             | -8.2        | 292.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 60.3            | 74.0               | -13.7                  | 36 Mbps  |
| 11488.780  | 67.8             | -8.2        | 291.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 59.6            | 74.0               | -14.4                  | MCS7     |
| 11573.970  | 67.6             | -8.2        | 295.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 59.4            | 74.0               | -14.6                  | MCS7     |
| 11489.320  | 47.2             | -8.2        | 41.0              | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 39.0            | 54.0               | -15.0                  | MCS7     |
| 11649.180  | 66.3             | -8.0        | 89.0              | 1.4             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 58.3            | 74.0               | -15.7                  | 36 Mbps  |
| 11647.120  | 66.0             | -8.0        | 293.0             | 1.4             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 58.0            | 74.0               | -16.0                  | MCS7     |
| 11489.580  | 45.8             | -8.2        | 249.0             | 1.0             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 37.6            | 54.0               | -16.4                  | 36 Mbps  |
| 11572.330  | 64.3             | -8.2        | 243.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 56.1            | 74.0               | -17.9                  | 36 Mbps  |

## EMC

## Spurious Radiated Emissions

EMI 2006.3.27

|                                    |                          |
|------------------------------------|--------------------------|
| EUT: WMIA-199NI                    | Work Order: PROS0109     |
| Serial Number: 09435H1000039       | Date: 06/29/11           |
| Customer: ProSoft Technology, Inc. | Temperature: 22.41       |
| Attendees: None                    | Humidity: 41%            |
| Project: None                      | Barometric Pres.: 1019.2 |
| Tested by: Jaemi Suh               | Power: 120VAC/60Hz       |
|                                    | Job Site: OC11           |

## TEST SPECIFICATIONS

FCC 15.247:2011

## TEST METHOD

ANSI C63.10:2009

## TEST PARAMETERS

|                       |       |                   |   |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

## COMMENTS

Power Level set to 15. Z-Axis

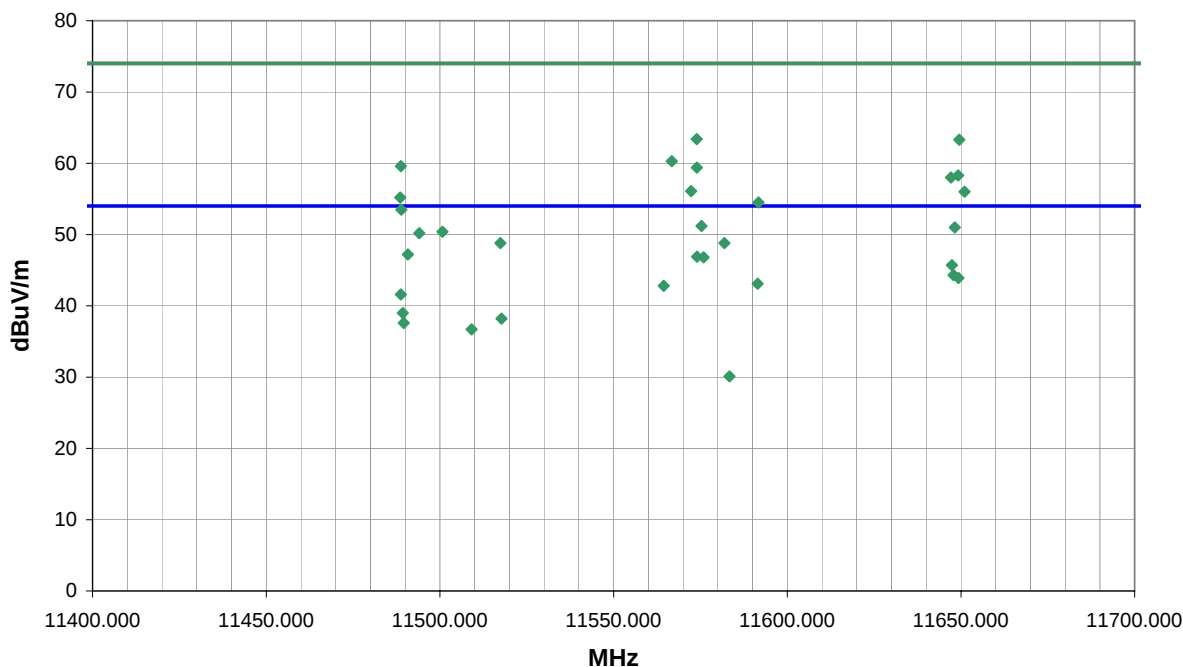
## EUT OPERATING MODES

Transmitting at 802.11 a

## DEVIATIONS FROM TEST STANDARD

No deviations.

|                 |      |                                                                                               |
|-----------------|------|-----------------------------------------------------------------------------------------------|
| Run #           | 20   | Signature  |
| Configuration # | 2    |                                                                                               |
| Results         | Pass |                                                                                               |



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|----------|
| 11575.320  | 59.4             | -8.2        | 359.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 51.2            | 54.0               | -2.8                   | MCS8     |
| 11648.220  | 59.0             | -8.0        | 286.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 51.0            | 54.0               | -3.0                   | MCS7     |
| 11490.780  | 55.4             | -8.2        | 291.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 47.2            | 54.0               | -6.8                   | MCS8     |
| 11574.030  | 55.1             | -8.2        | 292.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 46.9            | 54.0               | -7.1                   | 36 Mbps  |
| 11575.920  | 55.0             | -8.2        | 295.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 46.8            | 54.0               | -7.2                   | MCS8     |
| 11647.400  | 53.7             | -8.0        | 293.0             | 1.4             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 45.7            | 54.0               | -8.3                   | MCS7     |
| 11647.850  | 52.3             | -8.0        | 89.0              | 1.4             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 44.3            | 54.0               | -9.7                   | 36 Mbps  |
| 11649.270  | 51.9             | -8.0        | 339.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 43.9            | 54.0               | -10.1                  | 36 Mbps  |
| 11573.920  | 71.6             | -8.2        | 359.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 63.4            | 74.0               | -10.6                  | MCS8     |
| 11649.500  | 71.3             | -8.0        | 286.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 63.3            | 74.0               | -10.7                  | MCS7     |
| 11591.470  | 51.2             | -8.1        | 292.0             | 1.6             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 43.1            | 54.0               | -10.9                  | MCS15    |
| 11564.430  | 51.0             | -8.2        | 243.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 42.8            | 54.0               | -11.2                  | 36 Mbps  |
| 11488.770  | 49.8             | -8.2        | 242.0             | 1.0             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 41.6            | 54.0               | -12.4                  | 36 Mbps  |
| 11566.750  | 68.5             | -8.2        | 292.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 60.3            | 74.0               | -13.7                  | 36 Mbps  |
| 11488.780  | 67.8             | -8.2        | 291.0             | 1.5             | 0.0               | 0.0                       | V-Horn   | PK       | 0.0                      | 59.6            | 74.0               | -14.4                  | MCS8     |
| 11573.970  | 67.6             | -8.2        | 295.0             | 1.5             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 59.4            | 74.0               | -14.6                  | MCS8     |
| 11489.320  | 47.2             | -8.2        | 41.0              | 1.5             | 0.0               | 0.0                       | H-Horn   | AV       | 0.0                      | 39.0            | 54.0               | -15.0                  | MCS8     |
| 11649.180  | 66.3             | -8.0        | 89.0              | 1.4             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 58.3            | 74.0               | -15.7                  | 36 Mbps  |
| 11517.730  | 46.4             | -8.2        | 180.0             | 1.7             | 0.0               | 0.0                       | V-Horn   | AV       | 0.0                      | 38.2            | 54.0               | -15.8                  | MCS15    |
| 11647.120  | 66.0             | -8.0        | 293.0             | 1.4             | 0.0               | 0.0                       | H-Horn   | PK       | 0.0                      | 58.0            | 74.0               | -16.0                  | MCS7     |

**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**

Transmitting at 802.11(g)/(n) Channel 1  
 Transmitting at 802.11(g)/(n) Channel 6  
 Transmitting at 802.11(g)/(n) Channel 11  
 Transmitting at 802.11(a)/(n) Channel 149  
 Transmitting at 802.11(a)/(n) Channel 157  
 Transmitting at 802.11(a)/(n) Channel 165

**CHANNEL BANDWIDTHS INVESTIGATED**

20 MHz  
 40 MHz

**POWER SETTINGS INVESTIGATED**

120VAC/60Hz

**MODES INVESTIGATED**

6 Mbps, 36 Mbps, 54 Mbps, MCS0, MCS7, MCS8, MCS15

**AXIS INVESTIGATED**

X-Axis  
 Y-Axis  
 Z-Axis

**FREQUENCY RANGE INVESTIGATED**

Start Frequency 18 GHz Stop Frequency 40 GHz

**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           | JSW45-26004000-40-5P   | AVQ | 9/7/2010   | 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           | 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    |
| Spectrum Analyzer | Agilent         | E4446A                 | AAY | 1/11/2011  | 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 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 highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

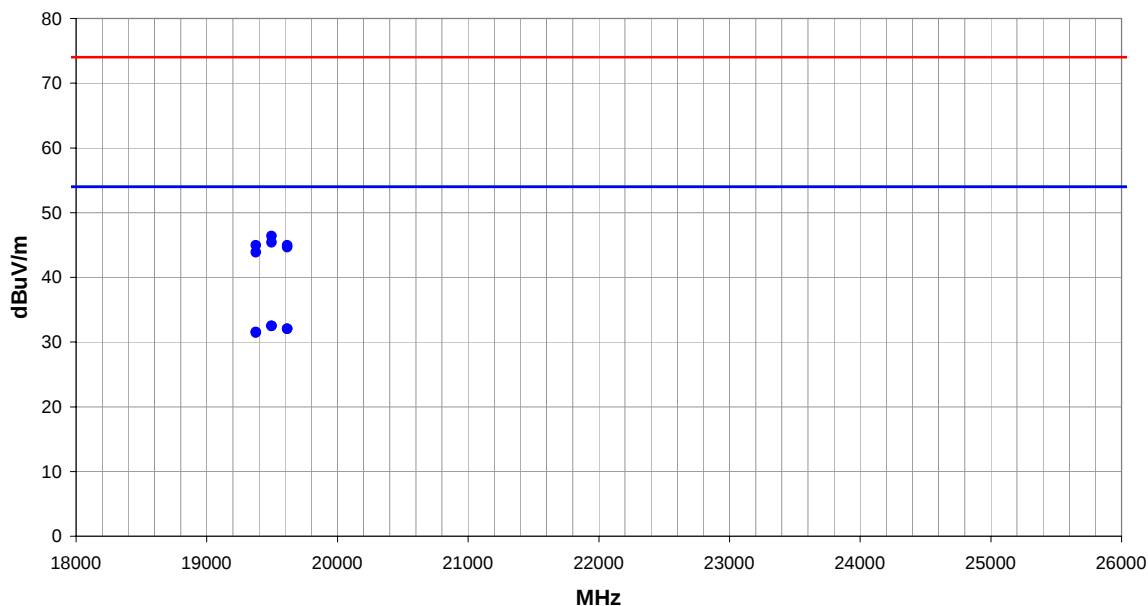
## EMC

## Spurious Radiated Emissions

|                 |                               |                   |          |                                                                                     |
|-----------------|-------------------------------|-------------------|----------|-------------------------------------------------------------------------------------|
| Work Order:     | PROS0109                      | Date:             | 06/29/11 |  |
| Project:        | None                          | Temperature:      | 22.41    |                                                                                     |
| Job Site:       | OC10                          | Humidity:         | 41.1     |                                                                                     |
| Serial Number:  | 09435H1000039                 | Barometric Pres.: | 1019.2   |                                                                                     |
|                 |                               |                   |          | Tested by: Jaemi Suh                                                                |
| EUT:            | WMIA-199NI                    |                   |          |                                                                                     |
| Configuration:  | 2                             |                   |          |                                                                                     |
| Customer:       | ProSoft Technology, Inc.      |                   |          |                                                                                     |
| Attendees:      | None                          |                   |          |                                                                                     |
| EUT Power:      | 120VAC/60Hz                   |                   |          |                                                                                     |
| Operating Mode: | See Comments Below.           |                   |          |                                                                                     |
| Deviations:     | No deviations.                |                   |          |                                                                                     |
| Comments:       | Power Level set to 15. Z-Axis |                   |          |                                                                                     |

Test Specifications  
FCC 15.247:2011Test Method  
ANSI C63.10:2009

|       |   |                   |   |                   |      |         |      |
|-------|---|-------------------|---|-------------------|------|---------|------|
| Run # | 2 | Test Distance (m) | 3 | Antenna Height(s) | 1-4m | Results | Pass |
|-------|---|-------------------|---|-------------------|------|---------|------|



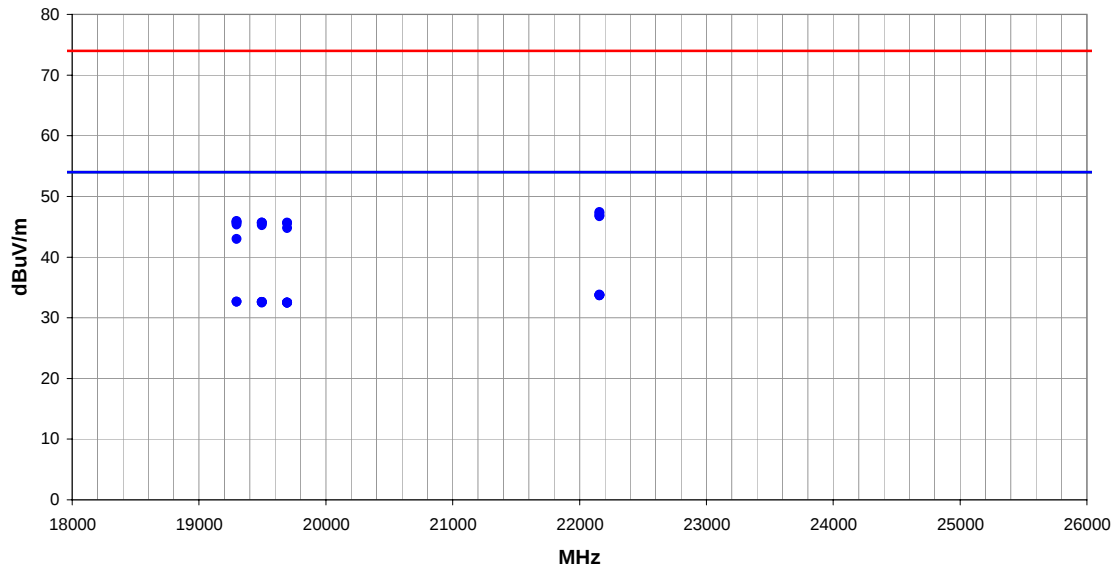
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments         |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|------------------|
| 19496.490  | 32.3             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 6, MCS0  |
| 19496.080  | 32.3             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 6, MCS0  |
| 19616.450  | 31.8             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 32.0              | 54.0                 | -22.0                  | Channel 11, MCS0 |
| 19616.370  | 31.8             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 32.0              | 54.0                 | -22.0                  | Channel 11, MCS0 |
| 19376.330  | 31.5             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 31.5              | 54.0                 | -22.5                  | Channel 1, MCS0  |
| 19376.500  | 31.4             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 31.4              | 54.0                 | -22.6                  | Channel 1, MCS0  |
| 19495.520  | 46.2             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 46.4              | 74.0                 | -27.6                  | Channel 6, MCS0  |
| 19495.960  | 45.2             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 45.4              | 74.0                 | -28.6                  | Channel 6, MCS0  |
| 19615.710  | 44.7             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 44.9              | 74.0                 | -29.1                  | Channel 11, MCS0 |
| 19376.000  | 44.9             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 44.9              | 74.0                 | -29.1                  | Channel 1, MCS0  |
| 19616.030  | 44.4             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 44.6              | 74.0                 | -29.4                  | Channel 11, MCS0 |
| 19376.060  | 43.8             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 43.8              | 74.0                 | -30.2                  | Channel 1, MCS0  |

## Spurious Radiated Emissions

|                 |                               |                   |          |                                                                                     |
|-----------------|-------------------------------|-------------------|----------|-------------------------------------------------------------------------------------|
| Work Order:     | PROS0109                      | Date:             | 06/29/11 |  |
| Project:        | None                          | Temperature:      | 22.41    |                                                                                     |
| Job Site:       | OC10                          | Humidity:         | 41.1     |                                                                                     |
| Serial Number:  | 09435H1000039                 | Barometric Pres.: | 1019.2   |                                                                                     |
|                 |                               |                   |          | Tested by: Jaemi Suh                                                                |
| EUT:            | WMIA-199NI                    |                   |          |                                                                                     |
| Configuration:  | 2                             |                   |          |                                                                                     |
| Customer:       | ProSoft Technology, Inc.      |                   |          |                                                                                     |
| Attendees:      | None                          |                   |          |                                                                                     |
| EUT Power:      | 120VAC/60Hz                   |                   |          |                                                                                     |
| Operating Mode: | See Comments Below.           |                   |          |                                                                                     |
| Deviations:     | No deviations.                |                   |          |                                                                                     |
| Comments:       | Power Level set to 15. Z-Axis |                   |          |                                                                                     |

|                                               |                                        |
|-----------------------------------------------|----------------------------------------|
| <b>Test Specifications</b><br>FCC 15.247:2011 | <b>Test Method</b><br>ANSI C63.10:2009 |
|-----------------------------------------------|----------------------------------------|

|              |   |                          |   |                          |      |                |      |
|--------------|---|--------------------------|---|--------------------------|------|----------------|------|
| <b>Run #</b> | 1 | <b>Test Distance (m)</b> | 3 | <b>Antenna Height(s)</b> | 1-4m | <b>Results</b> | Pass |
|--------------|---|--------------------------|---|--------------------------|------|----------------|------|



| 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           |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|---------------------------|----------|--------------------------|-------------------|----------------------|------------------------|--------------------|
| 19297.340  | 43.0             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.0              | 54.0                 | -11.0                  | Channel 1, 6 Mbps  |
| 22157.770  | 31.4             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 33.7              | 54.0                 | -20.2                  | Channel 11, 6 Mbps |
| 22158.290  | 31.3             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 33.7              | 54.0                 | -20.3                  | Channel 11, MCS15  |
| 22158.030  | 31.3             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 33.7              | 54.0                 | -20.3                  | Channel 11, MCS15  |
| 22158.180  | 31.3             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 33.8              | 54.0                 | -20.3                  | Channel 11, 6 Mbps |
| 19297.130  | 32.7             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.7              | 54.0                 | -21.3                  | Channel 11, MCS15  |
| 19296.210  | 32.7             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.7              | 54.0                 | -21.3                  | Channel 11, MCS15  |
| 19496.490  | 32.4             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.6              | 54.0                 | -21.4                  | Channel 6, MCS15   |
| 19496.490  | 32.4             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.6              | 54.0                 | -21.4                  | Channel 6, MCS15   |
| 19496.460  | 32.4             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.6              | 54.0                 | -21.4                  | Channel 6, 6 Mbps  |
| 19696.450  | 32.2             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 11, 6 Mbps |
| 19696.480  | 32.2             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 11, 6 Mbps |
| 19696.450  | 32.2             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 11, MCS15  |
| 19696.180  | 32.2             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 11, MCS15  |
| 19496.470  | 32.3             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.5              | 54.0                 | -21.5                  | Channel 6, 6 Mbps  |
| 22157.550  | 45.0             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 47.4              | 74.0                 | -26.6                  | Channel 11, 6 Mbps |
| 22158.370  | 44.8             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 47.2              | 74.0                 | -26.8                  | Channel 11, 6 Mbps |
| 22158.210  | 44.4             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 46.8              | 74.0                 | -27.2                  | Channel 11, MCS15  |
| 22158.410  | 44.3             | 2.4         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 46.7              | 74.0                 | -27.3                  | Channel 11, MCS15  |
| 19296.370  | 46.0             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 46.0              | 74.0                 | -28.0                  | Channel 11, 6 Mbps |
| 19296.720  | 45.8             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 45.8              | 74.0                 | -28.2                  | Channel 11, MCS15  |
| 19695.890  | 45.4             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 45.7              | 74.0                 | -28.3                  | Channel 11, MCS15  |
| 19496.360  | 45.5             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 45.7              | 74.0                 | -28.3                  | Channel 6, MCS15   |
| 19496.290  | 45.5             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 45.7              | 74.0                 | -28.3                  | Channel 6, MCS15   |
| 19296.850  | 45.7             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 45.7              | 74.0                 | -28.3                  | Channel 11, 6 Mbps |
| 19695.810  | 45.3             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 45.6              | 74.0                 | -28.4                  | Channel 11, MCS15  |
| 19496.290  | 45.4             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 45.6              | 74.0                 | -28.4                  | Channel 6, 6 Mbps  |
| 19296.310  | 45.4             | 0.0         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 45.4              | 74.0                 | -28.6                  | Channel 11, MCS15  |
| 19496.300  | 45.1             | 0.2         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 45.3              | 74.0                 | -28.7                  | Channel 6, 6 Mbps  |
| 19695.980  | 44.5             | 0.3         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 44.8              | 74.0                 | -29.2                  | Channel 11, 6 Mbps |

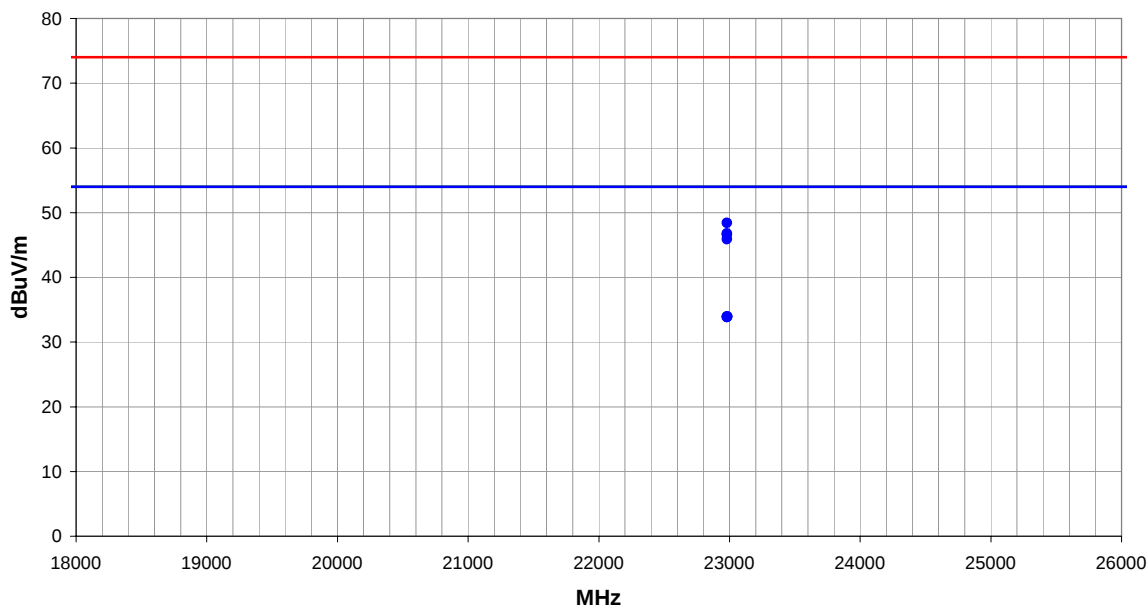
## EMC

## Spurious Radiated Emissions

|                 |                               |                   |          |                                                                                     |
|-----------------|-------------------------------|-------------------|----------|-------------------------------------------------------------------------------------|
| Work Order:     | PROS0109                      | Date:             | 06/29/11 |  |
| Project:        | None                          | Temperature:      | 22.41    |                                                                                     |
| Job Site:       | OC10                          | Humidity:         | 41.1     |                                                                                     |
| Serial Number:  | 09435H1000039                 | Barometric Pres.: | 1019.2   |                                                                                     |
|                 |                               |                   |          | Tested by: Jaemi Suh                                                                |
| EUT:            | WMIA-199NI                    |                   |          |                                                                                     |
| Configuration:  | 2                             |                   |          |                                                                                     |
| Customer:       | ProSoft Technology, Inc.      |                   |          |                                                                                     |
| Attendees:      | None                          |                   |          |                                                                                     |
| EUT Power:      | 120VAC/60Hz                   |                   |          |                                                                                     |
| Operating Mode: | See Comments Below.           |                   |          |                                                                                     |
| Deviations:     | No deviations.                |                   |          |                                                                                     |
| Comments:       | Power Level set to 15. Z-Axis |                   |          |                                                                                     |

Test Specifications  
FCC 15.247:2011Test Method  
ANSI C63.10:2009

|       |   |                   |   |                   |      |         |      |
|-------|---|-------------------|---|-------------------|------|---------|------|
| Run # | 3 | Test Distance (m) | 3 | Antenna Height(s) | 1-4m | Results | Pass |
|-------|---|-------------------|---|-------------------|------|---------|------|



| 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             |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|----------------------|
| 22981.990  | 31.5             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 34.0              | 54.0                 | -20.0                  | Channel 149, 36 Mbps |
| 22981.630  | 31.4             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 33.9              | 54.0                 | -20.1                  | Channel 149, 36 Mbps |
| 22982.000  | 31.4             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 33.9              | 54.0                 | -20.1                  | Channel 149, MCS7    |
| 22981.860  | 31.4             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 33.9              | 54.0                 | -20.1                  | Channel 149, MCS7    |
| 22980.950  | 45.9             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 48.4              | 74.0                 | -25.6                  | Channel 149, 36 Mbps |
| 22980.350  | 44.3             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 46.8              | 74.0                 | -27.2                  | Channel 149, 36 Mbps |
| 22981.450  | 44.1             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 46.6              | 74.0                 | -27.4                  | Channel 149, MCS7    |
| 22980.590  | 43.4             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 45.9              | 74.0                 | -28.1                  | Channel 149, MCS7    |

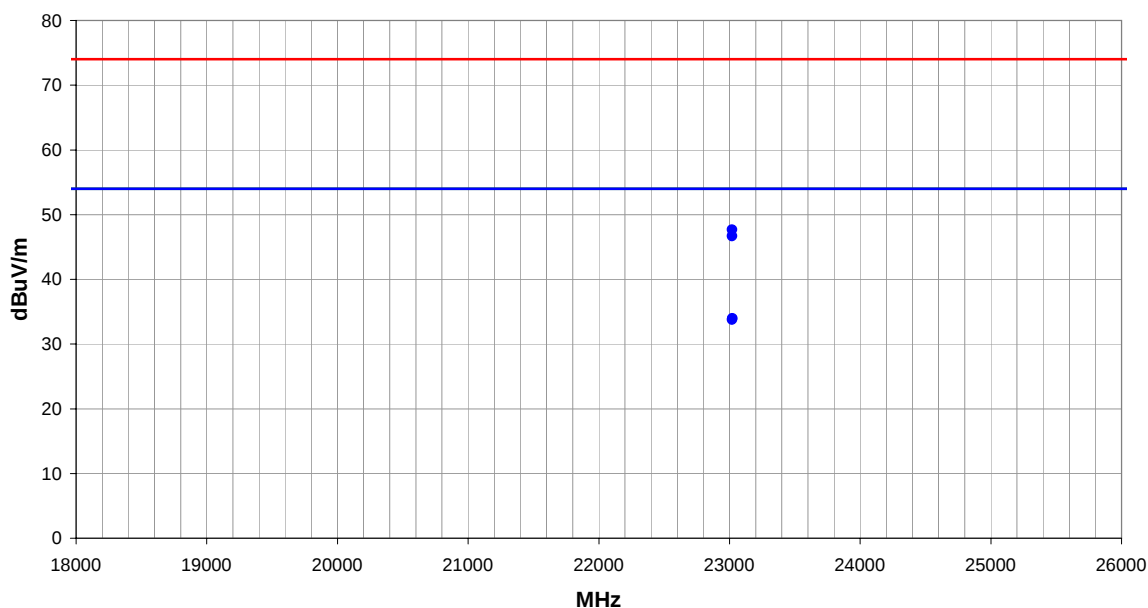
## EMC

## Spurious Radiated Emissions

|                 |                                      |                   |          |                                                                                     |
|-----------------|--------------------------------------|-------------------|----------|-------------------------------------------------------------------------------------|
| Work Order:     | PROS0109                             | Date:             | 06/29/11 |  |
| Project:        | None                                 | Temperature:      | 22.41    |                                                                                     |
| Job Site:       | OC10                                 | Humidity:         | 41.1     |                                                                                     |
| Serial Number:  | 09435H1000039                        | Barometric Pres.: | 1019.2   |                                                                                     |
|                 |                                      |                   |          | Tested by: Jaemi Suh                                                                |
| EUT:            | WMIA-199NI                           |                   |          |                                                                                     |
| Configuration:  | 2                                    |                   |          |                                                                                     |
| Customer:       | ProSoft Technology, Inc.             |                   |          |                                                                                     |
| Attendees:      | None                                 |                   |          |                                                                                     |
| EUT Power:      | 120VAC/60Hz                          |                   |          |                                                                                     |
| Operating Mode: | Transmitting at 802.11n              |                   |          |                                                                                     |
| Deviations:     | No deviations.                       |                   |          |                                                                                     |
| Comments:       | Power Level set to 15. Z-Axis. 40MHz |                   |          |                                                                                     |

Test Specifications  
FCC 15.247:2011Test Method  
ANSI C63.10:2009

|       |   |                   |   |                   |      |         |      |
|-------|---|-------------------|---|-------------------|------|---------|------|
| Run # | 4 | Test Distance (m) | 3 | Antenna Height(s) | 1-4m | Results | Pass |
|-------|---|-------------------|---|-------------------|------|---------|------|



| 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           |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|--------------------|
| 23021.810  | 31.5             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 34.0              | 54.0                 | -20.0                  | Channel 149, MCS15 |
| 23020.270  | 31.3             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 33.8              | 54.0                 | -20.2                  | Channel 149, MCS15 |
| 23020.860  | 45.2             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 47.7              | 74.0                 | -26.3                  | Channel 149, MCS15 |
| 23019.450  | 44.2             | 2.5         | 1.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 46.7              | 74.0                 | -27.3                  | Channel 149, MCS15 |

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**

Continuous Transmit

**POWER SETTINGS INVESTIGATED**

120VAC/60Hz

**CONFIGURATIONS INVESTIGATED**

PROS0109 - 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 | 6/13/2011 | 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       |

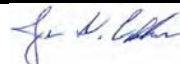
Measurements were made using the bandwidths and detectors specified. No video filter was used.

**MEASUREMENT UNCERTAINTY**

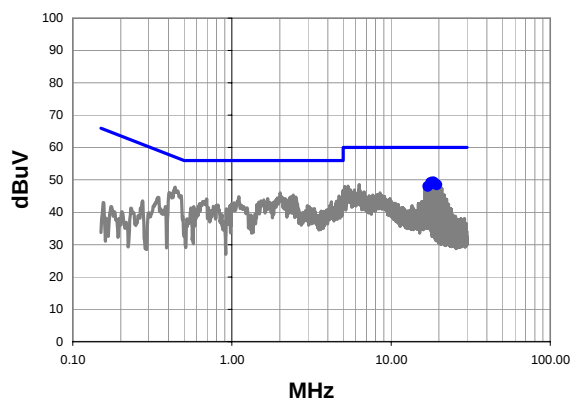
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 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**

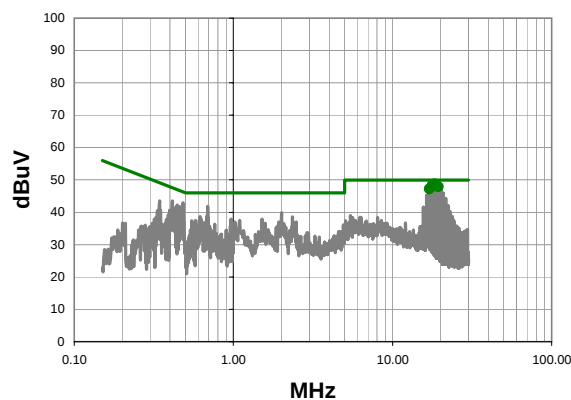
Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 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.

|                                               |                                                                                                                      |                          |           |                                                                                     |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                             | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                 | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                 | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                        | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                           |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                    |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                             |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                 |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                          |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                  |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                       |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 1 - 2412 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                      | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 1                                                                                                                    | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                      |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

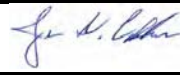


Quasi Peak Data - vs - Quasi Peak Limit

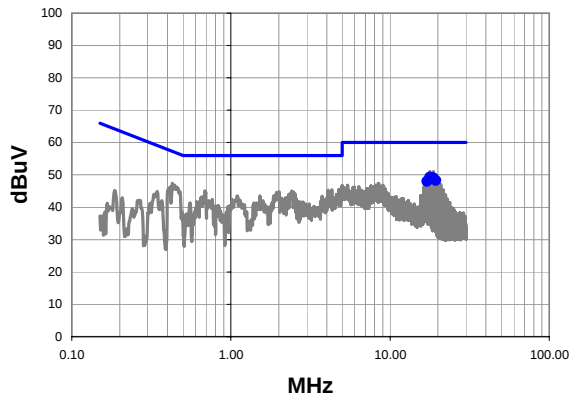
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.482     | 28.5             | 20.9        | 49.4            | 60.0               | -10.6                  |
| 17.770     | 28.3             | 20.9        | 49.2            | 60.0               | -10.8                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.010     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 19.430     | 27.5             | 21.0        | 48.5            | 60.0               | -11.5                  |
| 17.060     | 27.1             | 20.8        | 47.9            | 60.0               | -12.1                  |

Average Data - vs - Average Limit

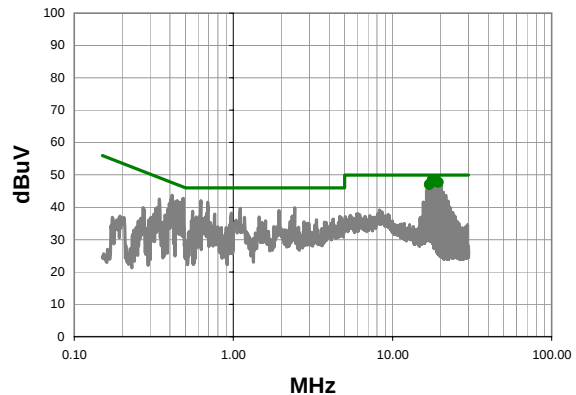
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.482     | 27.9             | 20.9        | 48.8            | 50.0               | -1.2                   |
| 18.720     | 27.7             | 20.9        | 48.6            | 50.0               | -1.4                   |
| 17.770     | 27.4             | 20.9        | 48.3            | 50.0               | -1.7                   |
| 18.010     | 27.2             | 20.9        | 48.1            | 50.0               | -1.9                   |
| 19.430     | 26.9             | 21.0        | 47.9            | 50.0               | -2.1                   |
| 17.060     | 26.3             | 20.8        | 47.1            | 50.0               | -2.9                   |

|                                               |                                                                                                                      |                          |          |                                                                                     |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                             | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                 | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                 | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                        | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                           |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                    |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                             |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                 |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                          |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                  |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                       |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 1 - 2412 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                      | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 2                                                                                                                    | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                      |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

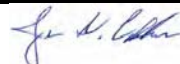


Quasi Peak Data - vs - Quasi Peak Limit

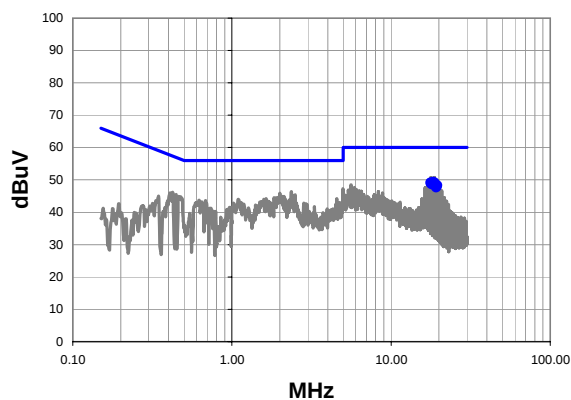
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 17.770     | 28.4             | 20.9        | 49.3            | 60.0               | -10.7                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.482     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.010     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 19.432     | 27.3             | 21.0        | 48.3            | 60.0               | -11.7                  |
| 17.064     | 27.1             | 20.8        | 47.9            | 60.0               | -12.1                  |

Average Data - vs - Average Limit

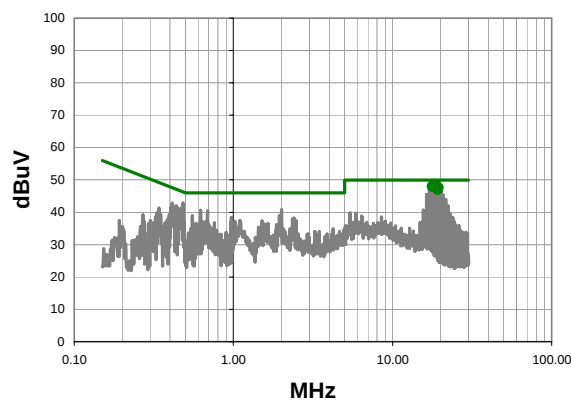
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 27.6             | 20.9        | 48.5            | 50.0               | -1.5                   |
| 18.482     | 27.5             | 20.9        | 48.4            | 50.0               | -1.6                   |
| 17.770     | 27.5             | 20.9        | 48.4            | 50.0               | -1.6                   |
| 18.010     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 19.432     | 26.7             | 21.0        | 47.7            | 50.0               | -2.3                   |
| 17.064     | 26.1             | 20.8        | 46.9            | 50.0               | -3.1                   |

|                                               |                                                                                                                      |                          |           |                                                                                     |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                             | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                 | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                 | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                        | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                           |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                    |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                             |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                 |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                          |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                  |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                       |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 6 - 2437 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                      | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 3                                                                                                                    | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                      |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

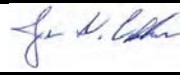


Quasi Peak Data - vs - Quasi Peak Limit

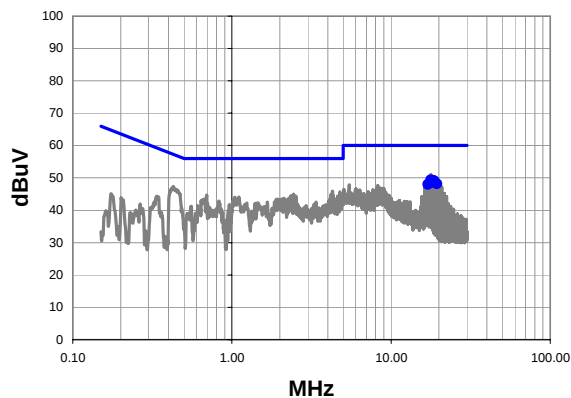
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.484     | 28.4             | 20.9        | 49.3            | 60.0               | -10.7                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 17.774     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.010     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 19.428     | 27.3             | 21.0        | 48.3            | 60.0               | -11.7                  |
| 19.196     | 26.8             | 21.0        | 47.8            | 60.0               | -12.2                  |

Average Data - vs - Average Limit

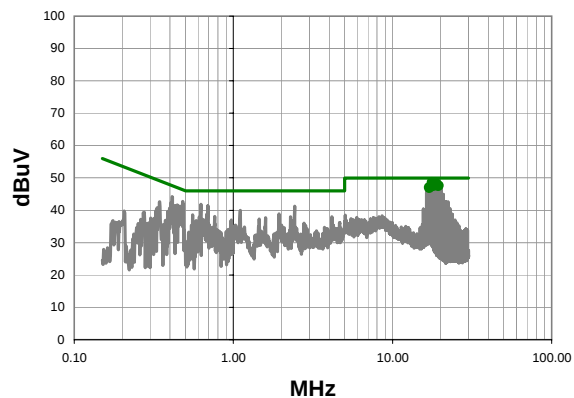
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.484     | 27.8             | 20.9        | 48.7            | 50.0               | -1.3                   |
| 18.720     | 27.6             | 20.9        | 48.5            | 50.0               | -1.5                   |
| 17.774     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.010     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 19.428     | 26.6             | 21.0        | 47.6            | 50.0               | -2.4                   |
| 19.196     | 26.0             | 21.0        | 47.0            | 50.0               | -3.0                   |

|                                               |                                                                                                                      |                          |          |                                                                                     |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                             | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                 | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                 | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                        | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                           |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                    |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                             |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                 |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                          |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                  |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                       |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 6 - 2437 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                      | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 4                                                                                                                    | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                      |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

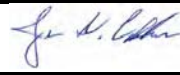


Quasi Peak Data - vs - Quasi Peak Limit

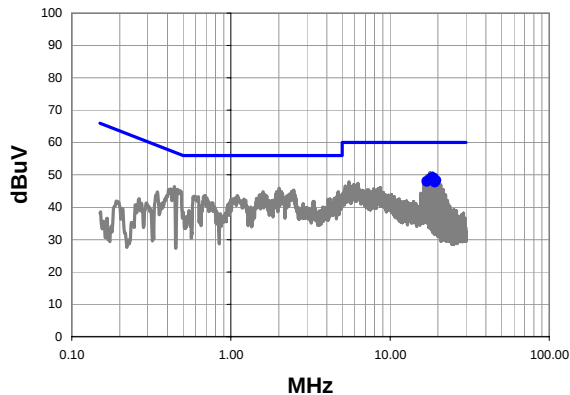
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 17.770     | 28.5             | 20.9        | 49.4            | 60.0               | -10.6                  |
| 18.484     | 28.3             | 20.9        | 49.2            | 60.0               | -10.8                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.006     | 27.7             | 20.9        | 48.6            | 60.0               | -11.4                  |
| 19.430     | 27.2             | 21.0        | 48.2            | 60.0               | -11.8                  |
| 17.060     | 27.1             | 20.8        | 47.9            | 60.0               | -12.1                  |

Average Data - vs - Average Limit

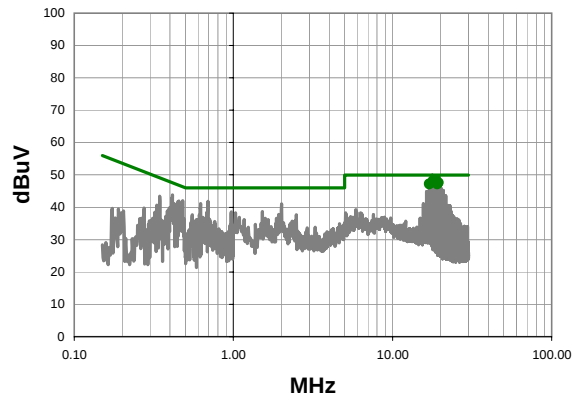
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 17.770     | 27.7             | 20.9        | 48.6            | 50.0               | -1.4                   |
| 18.484     | 27.6             | 20.9        | 48.5            | 50.0               | -1.5                   |
| 18.720     | 27.5             | 20.9        | 48.4            | 50.0               | -1.6                   |
| 18.006     | 26.7             | 20.9        | 47.6            | 50.0               | -2.4                   |
| 19.430     | 26.6             | 21.0        | 47.6            | 50.0               | -2.4                   |
| 17.060     | 26.1             | 20.8        | 46.9            | 50.0               | -3.1                   |

|                                               |                                                                                                                       |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 11 - 2462 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 5                                                                                                                     | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

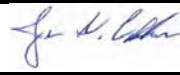


Quasi Peak Data - vs - Quasi Peak Limit

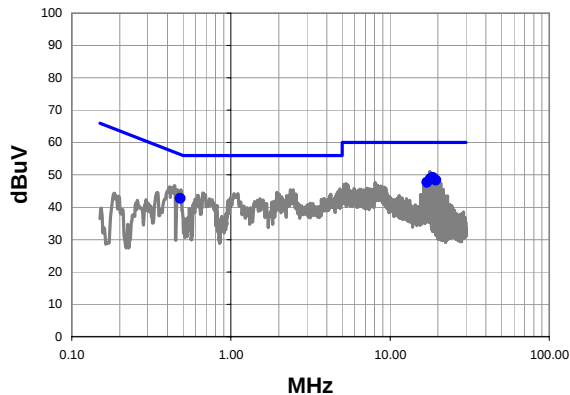
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.484     | 28.3             | 20.9        | 49.2            | 60.0               | -10.8                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.006     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 19.432     | 27.3             | 21.0        | 48.3            | 60.0               | -11.7                  |
| 17.060     | 27.1             | 20.8        | 47.9            | 60.0               | -12.1                  |
| 19.192     | 26.8             | 21.0        | 47.8            | 60.0               | -12.2                  |

Average Data - vs - Average Limit

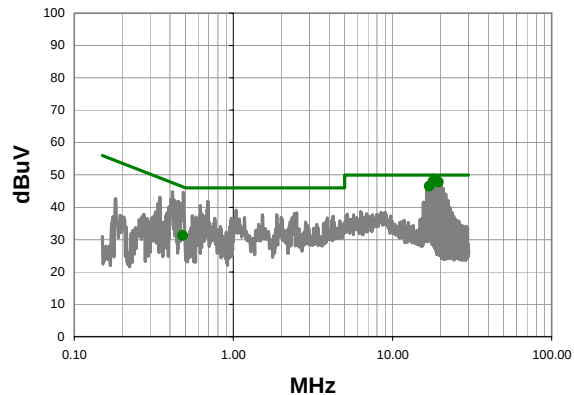
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.484     | 27.7             | 20.9        | 48.6            | 50.0               | -1.4                   |
| 18.720     | 27.6             | 20.9        | 48.5            | 50.0               | -1.5                   |
| 18.006     | 27.3             | 20.9        | 48.2            | 50.0               | -1.8                   |
| 19.432     | 26.6             | 21.0        | 47.6            | 50.0               | -2.4                   |
| 19.192     | 26.2             | 21.0        | 47.2            | 50.0               | -2.8                   |
| 17.060     | 26.3             | 20.8        | 47.1            | 50.0               | -2.9                   |

|                                               |                                                                                                                       |                          |          |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11g, Ch 11 - 2462 MHz, 6Mbps. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 6                                                                                                                     | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

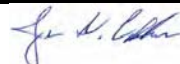


Quasi Peak Data - vs - Quasi Peak Limit

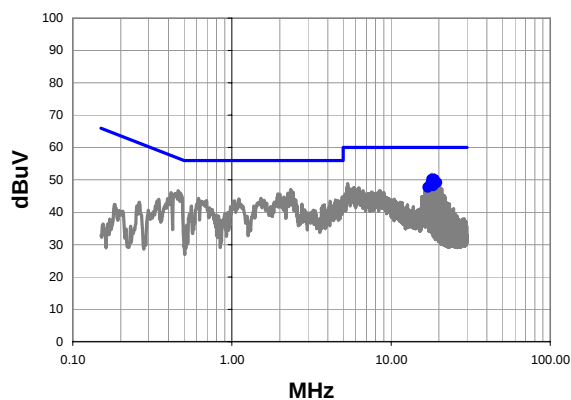
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.480     | 28.3             | 20.9        | 49.2            | 60.0               | -10.8                  |
| 18.720     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 18.010     | 28.0             | 20.9        | 48.9            | 60.0               | -11.1                  |
| 19.430     | 27.4             | 21.0        | 48.4            | 60.0               | -11.6                  |
| 17.064     | 26.8             | 20.8        | 47.6            | 60.0               | -12.4                  |
| 0.481      | 22.6             | 20.1        | 42.7            | 56.3               | -13.6                  |

Average Data - vs - Average Limit

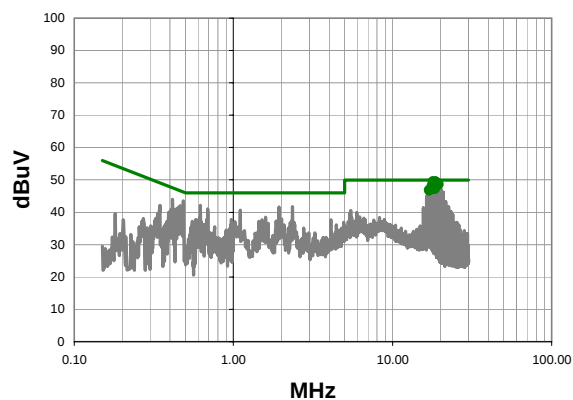
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.480     | 27.6             | 20.9        | 48.5            | 50.0               | -1.5                   |
| 18.720     | 27.5             | 20.9        | 48.4            | 50.0               | -1.6                   |
| 18.010     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 19.430     | 26.8             | 21.0        | 47.8            | 50.0               | -2.2                   |
| 17.064     | 25.6             | 20.8        | 46.4            | 50.0               | -3.6                   |
| 0.481      | 11.2             | 20.1        | 31.3            | 46.3               | -15.0                  |

|                                               |                                                                                                                             |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                    | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                        | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                        | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                               | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                  |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                           |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                    |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                        |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                 |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                         |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                              |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 1 - 2422 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                             | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 7                                                                                                                           | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                             |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

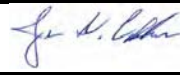


Quasi Peak Data - vs - Quasi Peak Limit

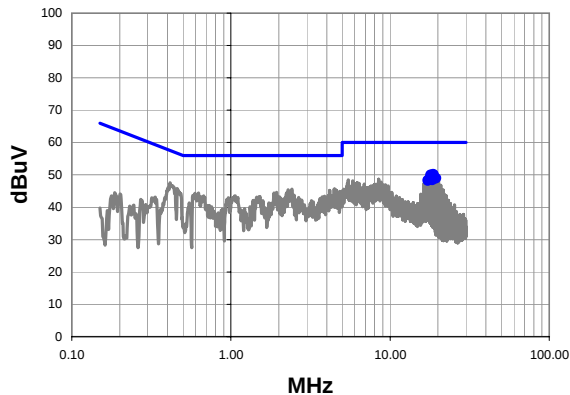
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 18.010     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 19.430     | 28.2             | 21.0        | 49.2            | 60.0               | -10.8                  |
| 17.770     | 28.0             | 20.9        | 48.9            | 60.0               | -11.1                  |
| 18.480     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |
| 17.060     | 26.8             | 20.8        | 47.6            | 60.0               | -12.4                  |

Average Data - vs - Average Limit

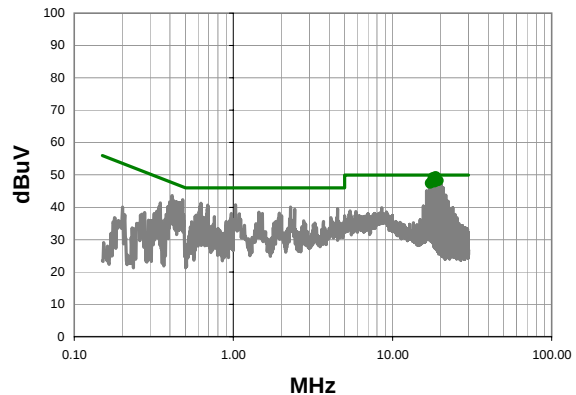
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.010     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 18.720     | 28.5             | 20.9        | 49.4            | 50.0               | -0.6                   |
| 19.430     | 27.6             | 21.0        | 48.6            | 50.0               | -1.4                   |
| 17.770     | 27.3             | 20.9        | 48.2            | 50.0               | -1.8                   |
| 18.480     | 26.4             | 20.9        | 47.3            | 50.0               | -2.7                   |
| 17.060     | 25.9             | 20.8        | 46.7            | 50.0               | -3.3                   |

|                                               |                                                                                                                             |                          |          |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                    | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                        | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                        | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                               | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                  |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                           |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                    |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                        |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                 |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                         |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                              |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 1 - 2422 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                             | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 8                                                                                                                           | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                             |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

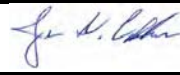


Quasi Peak Data - vs - Quasi Peak Limit

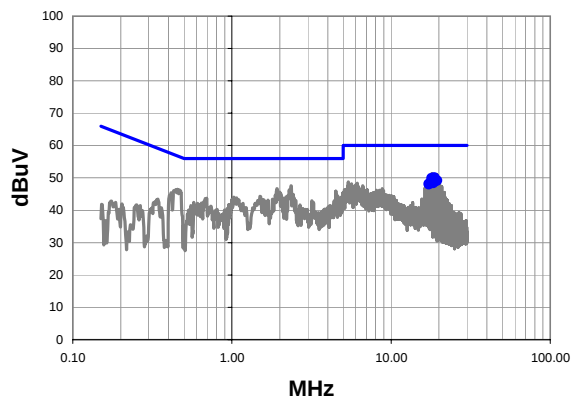
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.718     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 18.010     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 19.432     | 28.0             | 21.0        | 49.0            | 60.0               | -11.0                  |
| 17.770     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 18.482     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.4             | 20.9        | 48.3            | 60.0               | -11.7                  |

Average Data - vs - Average Limit

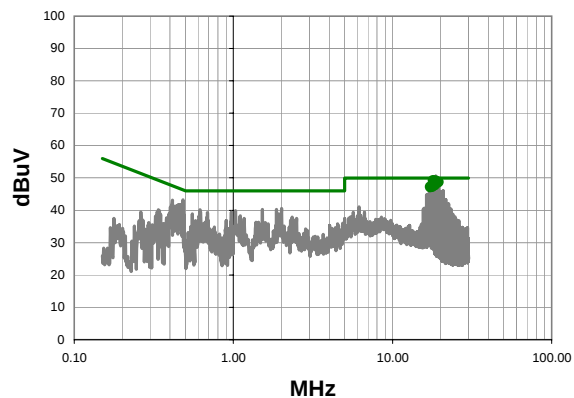
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.718     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 18.010     | 28.3             | 20.9        | 49.2            | 50.0               | -0.8                   |
| 19.432     | 27.2             | 21.0        | 48.2            | 50.0               | -1.8                   |
| 17.770     | 27.2             | 20.9        | 48.1            | 50.0               | -1.9                   |
| 18.482     | 26.9             | 20.9        | 47.8            | 50.0               | -2.2                   |
| 17.296     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |

|                                               |                                                                                                                             |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                    | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                        | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                        | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                               | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                  |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                           |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                    |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                        |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                 |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                         |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                              |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 6 - 2437 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                             | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 9                                                                                                                           | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                             |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

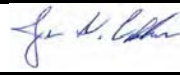


Quasi Peak Data - vs - Quasi Peak Limit

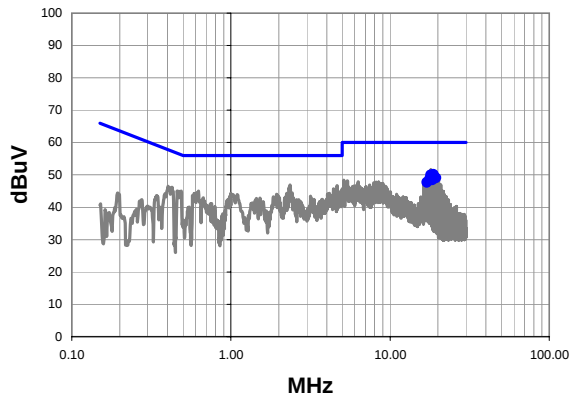
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.716     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.006     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 19.430     | 28.2             | 21.0        | 49.2            | 60.0               | -10.8                  |
| 17.770     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 18.484     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.2             | 20.9        | 48.1            | 60.0               | -11.9                  |

Average Data - vs - Average Limit

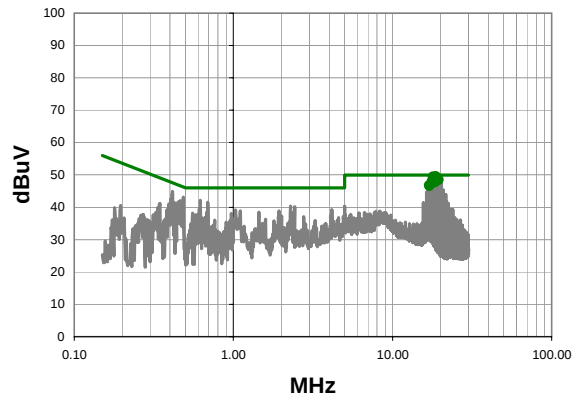
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.006     | 28.3             | 20.9        | 49.2            | 50.0               | -0.8                   |
| 18.716     | 28.2             | 20.9        | 49.1            | 50.0               | -0.9                   |
| 19.430     | 27.7             | 21.0        | 48.7            | 50.0               | -1.3                   |
| 18.484     | 26.9             | 20.9        | 47.8            | 50.0               | -2.2                   |
| 17.770     | 26.4             | 20.9        | 47.3            | 50.0               | -2.7                   |
| 17.296     | 26.3             | 20.9        | 47.2            | 50.0               | -2.8                   |

|                                               |                                                                                                                             |                          |          |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                    | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                        | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                        | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                               | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                  |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                           |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                    |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                        |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                 |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                         |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                              |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 6 - 2437 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                             | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 10                                                                                                                          | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                             |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

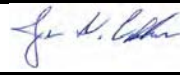


Quasi Peak Data - vs - Quasi Peak Limit

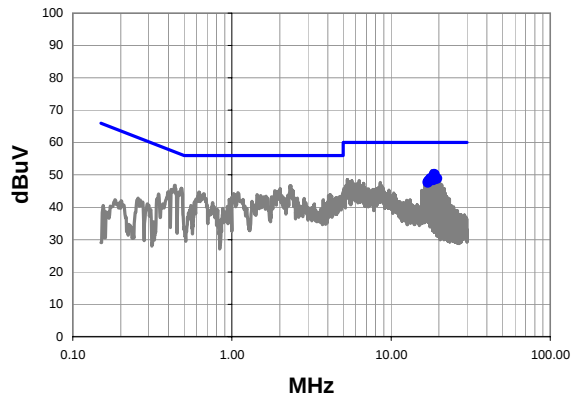
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 18.006     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 19.430     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 17.774     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 18.484     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.060     | 26.8             | 20.8        | 47.6            | 60.0               | -12.4                  |

Average Data - vs - Average Limit

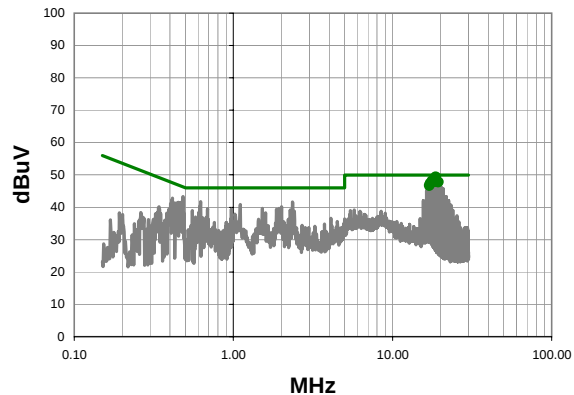
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 18.006     | 28.5             | 20.9        | 49.4            | 50.0               | -0.6                   |
| 19.430     | 27.5             | 21.0        | 48.5            | 50.0               | -1.5                   |
| 17.774     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.484     | 26.9             | 20.9        | 47.8            | 50.0               | -2.2                   |
| 17.060     | 25.8             | 20.8        | 46.6            | 50.0               | -3.4                   |

|                                               |                                                                                                                              |                          |           |                                                                                     |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                     | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                         | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                         | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                   |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                            |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                     |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                         |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                  |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                          |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                               |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 11 - 2452 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                              | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 11                                                                                                                           | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                              |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

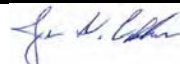
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 17.770     | 28.0             | 20.9        | 48.9            | 60.0               | -11.1                  |
| 19.428     | 27.9             | 21.0        | 48.9            | 60.0               | -11.1                  |
| 18.482     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |
| 17.060     | 26.8             | 20.8        | 47.6            | 60.0               | -12.4                  |

Average Data - vs - Average Limit

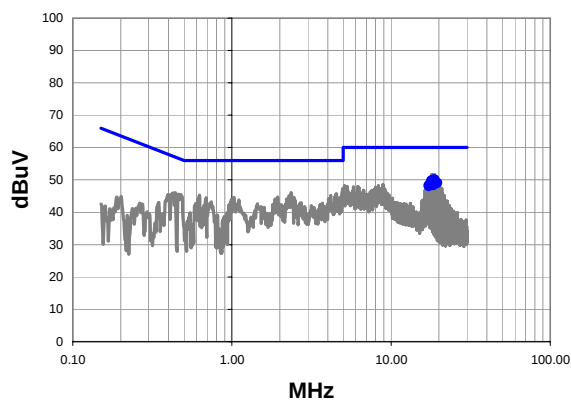
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.5             | 20.9        | 49.4            | 50.0               | -0.6                   |
| 17.770     | 27.3             | 20.9        | 48.2            | 50.0               | -1.8                   |
| 18.482     | 27.0             | 20.9        | 47.9            | 50.0               | -2.1                   |
| 19.428     | 26.8             | 21.0        | 47.8            | 50.0               | -2.2                   |
| 17.296     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |
| 17.060     | 25.8             | 20.8        | 46.6            | 50.0               | -3.4                   |

## EMC

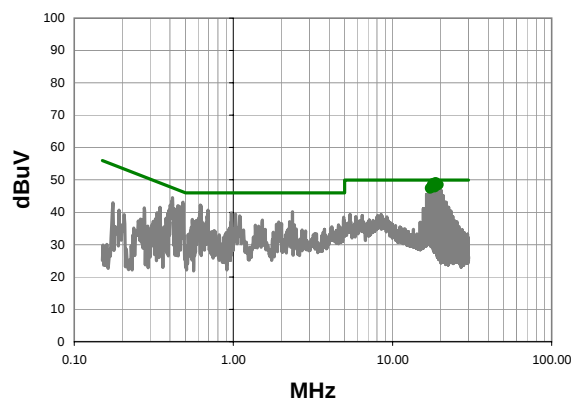
## Powerline Conducted Emissions

|                                               |                                                                                                                              |                          |          |                                                                                     |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                     | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                         | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                         | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                   |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                            |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                     |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                         |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                  |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                          |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                               |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 11 - 2452 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                              | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 12                                                                                                                           | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                              |                          |          | 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) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.716     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.010     | 28.9             | 20.9        | 49.8            | 60.0               | -10.2                  |
| 17.770     | 28.2             | 20.9        | 49.1            | 60.0               | -10.9                  |
| 19.428     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 18.480     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.716     | 28.3             | 20.9        | 49.2            | 50.0               | -0.8                   |
| 18.010     | 28.0             | 20.9        | 48.9            | 50.0               | -1.1                   |
| 19.428     | 27.5             | 21.0        | 48.5            | 50.0               | -1.5                   |
| 17.770     | 27.4             | 20.9        | 48.3            | 50.0               | -1.7                   |
| 18.480     | 26.9             | 20.9        | 47.8            | 50.0               | -2.2                   |
| 17.296     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |

**EMC****Powerline Conducted Emissions**

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

**MODES OF OPERATION**

Continuous Transmit

**POWER SETTINGS INVESTIGATED**

120VAC/60Hz

**CONFIGURATIONS INVESTIGATED**

PROS0109 - 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 | 6/13/2011 | 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       |

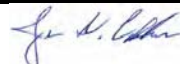
Measurements were made using the bandwidths and detectors specified. No video filter was used.

**MEASUREMENT UNCERTAINTY**

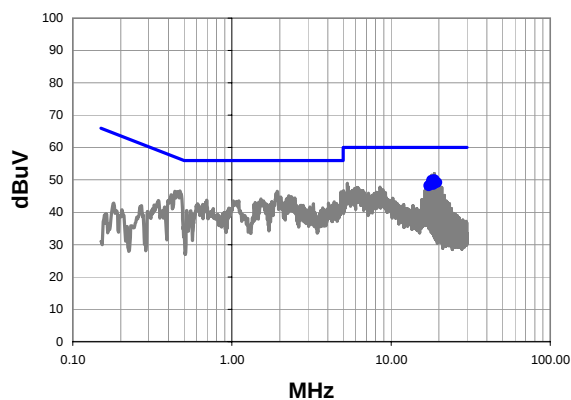
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 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**

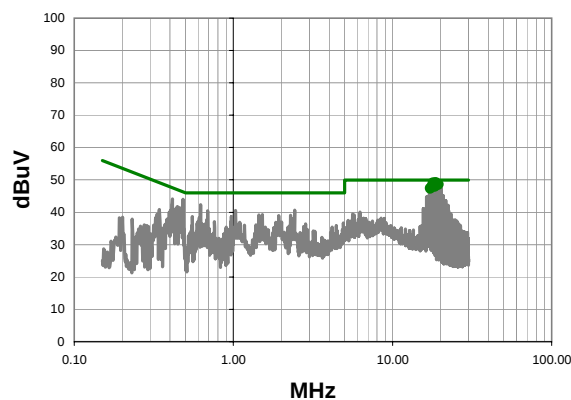
Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 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.

|                                               |                                                                                                                       |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11a, Ch 149 - 5745 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 1                                                                                                                     | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

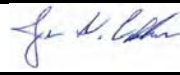


Quasi Peak Data - vs - Quasi Peak Limit

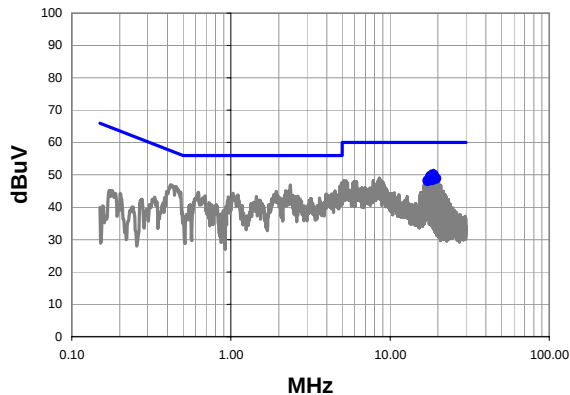
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.006     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 19.430     | 28.2             | 21.0        | 49.2            | 60.0               | -10.8                  |
| 17.770     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 18.484     | 27.7             | 20.9        | 48.6            | 60.0               | -11.4                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

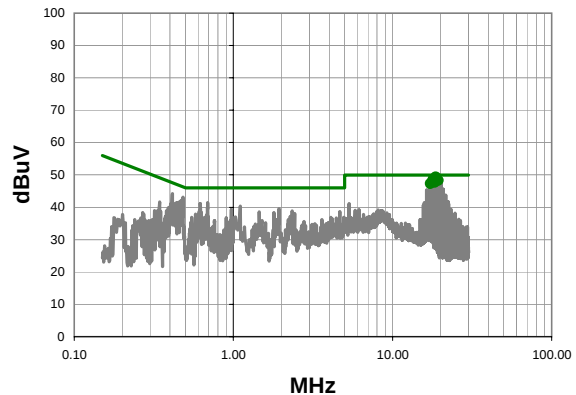
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.3             | 20.9        | 49.2            | 50.0               | -0.8                   |
| 18.006     | 28.2             | 20.9        | 49.1            | 50.0               | -0.9                   |
| 19.430     | 27.6             | 21.0        | 48.6            | 50.0               | -1.4                   |
| 17.770     | 27.2             | 20.9        | 48.1            | 50.0               | -1.9                   |
| 18.484     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 17.296     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |

|                                               |                                                                                                                       |                          |          |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11a, Ch 149 - 5745 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 2                                                                                                                     | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

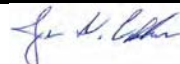


Quasi Peak Data - vs - Quasi Peak Limit

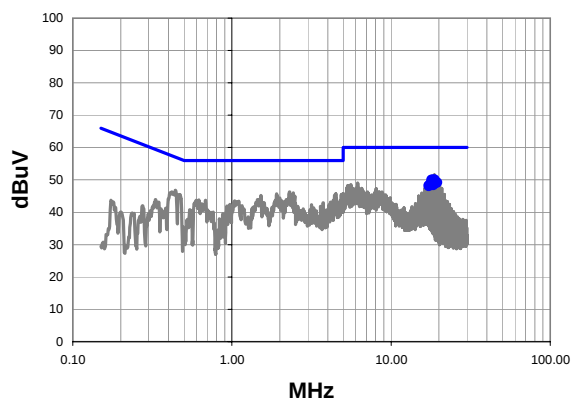
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.010     | 28.7             | 20.9        | 49.6            | 60.0               | -10.4                  |
| 19.432     | 27.9             | 21.0        | 48.9            | 60.0               | -11.1                  |
| 17.774     | 27.8             | 20.9        | 48.7            | 60.0               | -11.3                  |
| 18.482     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

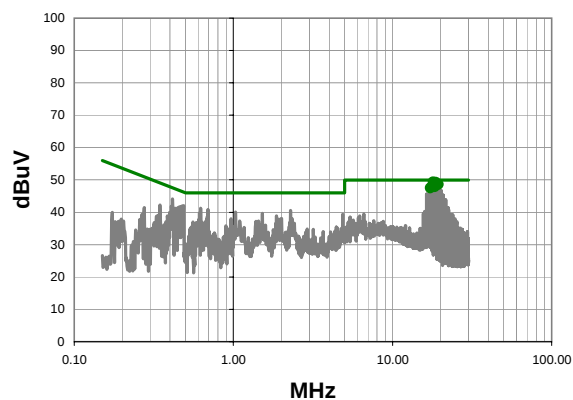
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.5             | 20.9        | 49.4            | 50.0               | -0.6                   |
| 18.010     | 27.8             | 20.9        | 48.7            | 50.0               | -1.3                   |
| 19.432     | 27.3             | 21.0        | 48.3            | 50.0               | -1.7                   |
| 17.774     | 27.0             | 20.9        | 47.9            | 50.0               | -2.1                   |
| 18.482     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 17.296     | 26.4             | 20.9        | 47.3            | 50.0               | -2.7                   |

|                                               |                                                                                                                       |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11a, Ch 157 - 5785 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 3                                                                                                                     | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

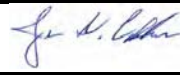


Quasi Peak Data - vs - Quasi Peak Limit

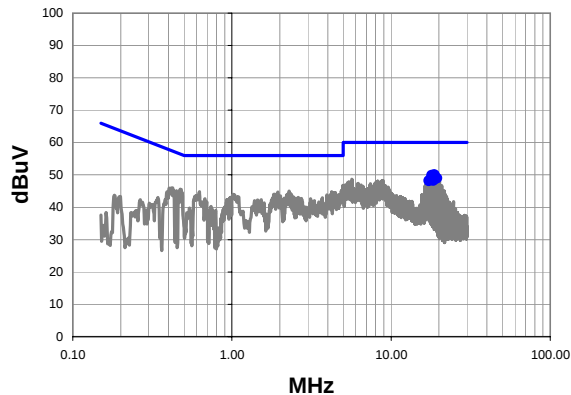
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.006     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 19.428     | 28.2             | 21.0        | 49.2            | 60.0               | -10.8                  |
| 17.774     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 18.480     | 27.6             | 20.9        | 48.5            | 60.0               | -11.5                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

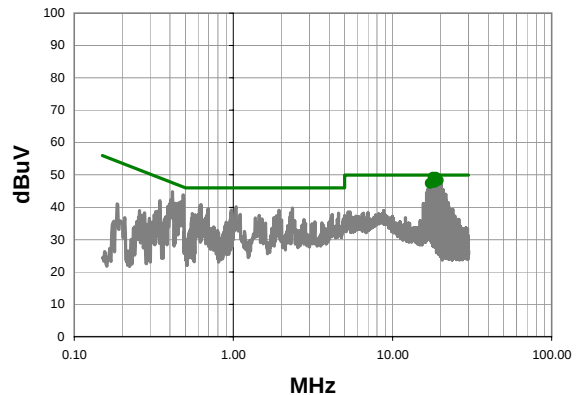
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.006     | 28.5             | 20.9        | 49.4            | 50.0               | -0.6                   |
| 18.720     | 28.4             | 20.9        | 49.3            | 50.0               | -0.7                   |
| 19.428     | 27.6             | 21.0        | 48.6            | 50.0               | -1.4                   |
| 17.774     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.480     | 27.0             | 20.9        | 47.9            | 50.0               | -2.1                   |
| 17.296     | 26.6             | 20.9        | 47.5            | 50.0               | -2.5                   |

|                                               |                                                                                                                       |                          |          |                                                                                     |                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|---------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11 |  |                     |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41    |                                                                                     |                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1     |                                                                                     |                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |                     |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |          |                                                                                     |                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |          |                                                                                     |                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |          |                                                                                     |                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |          |                                                                                     |                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |          |                                                                                     |                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |          |                                                                                     |                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |          |                                                                                     |                     |
| <b>Comments:</b>                              | 802.11a, Ch 157 - 5785 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |                     |
| <b>Run #</b>                                  | 4                                                                                                                     | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         | <b>Results</b> Pass |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

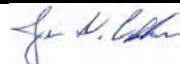
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.006     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 19.430     | 28.0             | 21.0        | 49.0            | 60.0               | -11.0                  |
| 17.770     | 27.7             | 20.9        | 48.6            | 60.0               | -11.4                  |
| 18.482     | 27.4             | 20.9        | 48.3            | 60.0               | -11.7                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

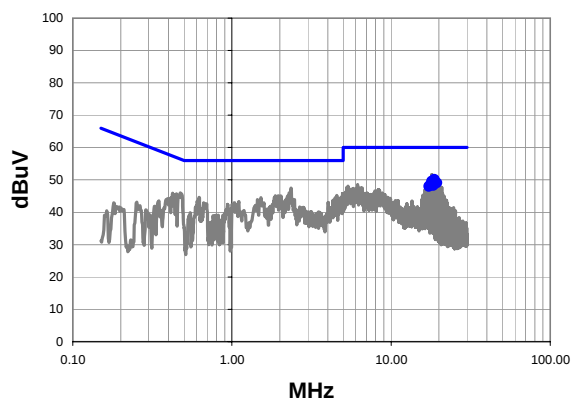
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.4             | 20.9        | 49.3            | 50.0               | -0.7                   |
| 18.006     | 28.4             | 20.9        | 49.3            | 50.0               | -0.7                   |
| 19.430     | 27.3             | 21.0        | 48.3            | 50.0               | -1.7                   |
| 17.770     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 18.482     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 17.296     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |

## EMC

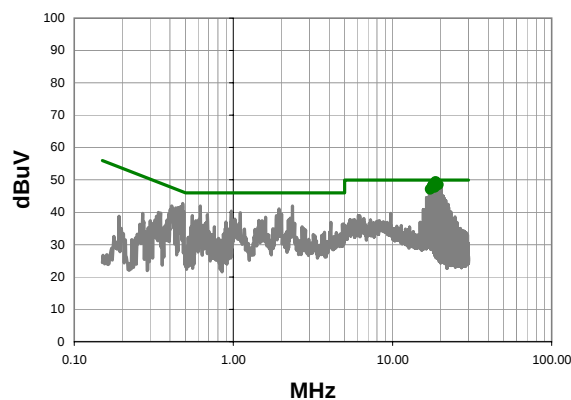
## Powerline Conducted Emissions

|                                               |                                                                                                                       |                          |           |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11  |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41     |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1      |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |           |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |           |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |           |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |           |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |           |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |           |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |           |                                                                                     |
| <b>Comments:</b>                              | 802.11a, Ch 165 - 5825 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 5                                                                                                                     | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |           | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

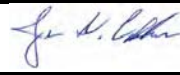


Quasi Peak Data - vs - Quasi Peak Limit

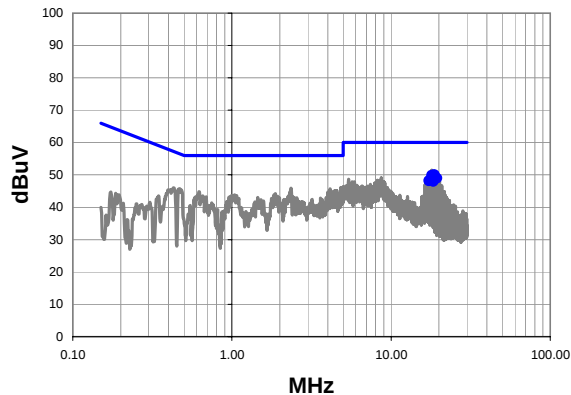
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 18.010     | 28.7             | 20.9        | 49.6            | 60.0               | -10.4                  |
| 19.430     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 17.770     | 27.8             | 20.9        | 48.7            | 60.0               | -11.3                  |
| 18.484     | 27.4             | 20.9        | 48.3            | 60.0               | -11.7                  |
| 17.296     | 27.1             | 20.9        | 48.0            | 60.0               | -12.0                  |

Average Data - vs - Average Limit

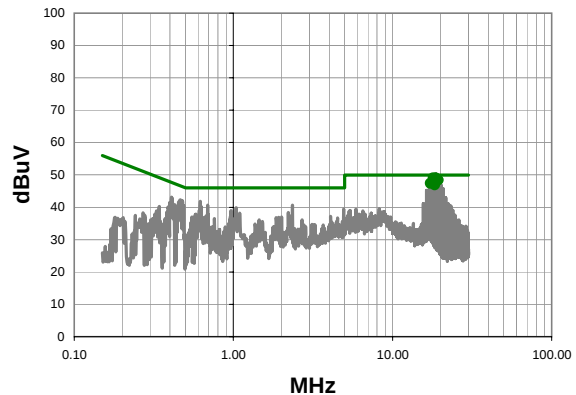
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 18.010     | 27.7             | 20.9        | 48.6            | 50.0               | -1.4                   |
| 19.430     | 27.5             | 21.0        | 48.5            | 50.0               | -1.5                   |
| 17.770     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.484     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 17.296     | 26.2             | 20.9        | 47.1            | 50.0               | -2.9                   |

|                                               |                                                                                                                       |                          |          |                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                              | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                  | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                  | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                         | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                            |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                     |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                              |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                  |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                           |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                   |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                        |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11a, Ch 165 - 5825 MHz, 6Mbps. Pihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                       | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 6                                                                                                                     | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                       |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

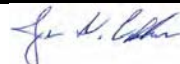


Quasi Peak Data - vs - Quasi Peak Limit

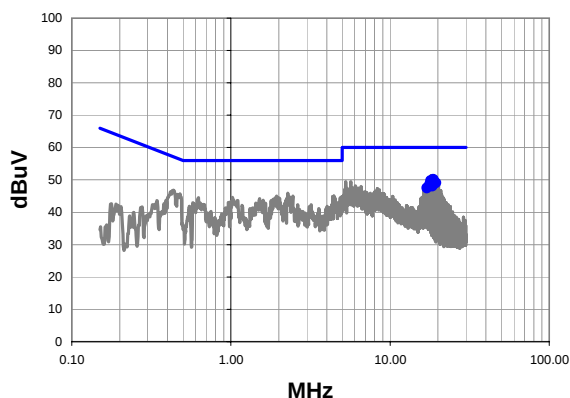
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 18.010     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 19.430     | 28.0             | 21.0        | 49.0            | 60.0               | -11.0                  |
| 17.770     | 27.7             | 20.9        | 48.6            | 60.0               | -11.4                  |
| 17.298     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |
| 18.484     | 27.1             | 20.9        | 48.0            | 60.0               | -12.0                  |

Average Data - vs - Average Limit

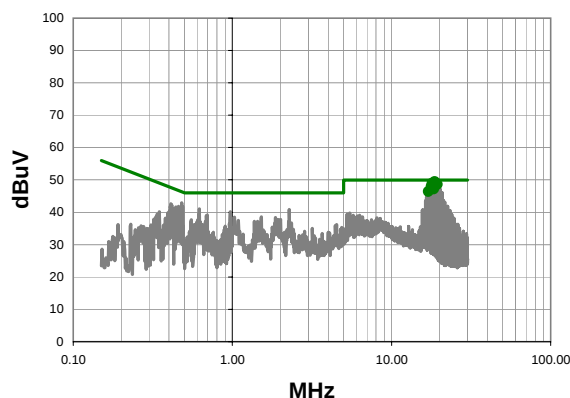
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.2             | 20.9        | 49.1            | 50.0               | -0.9                   |
| 18.010     | 28.2             | 20.9        | 49.1            | 50.0               | -0.9                   |
| 19.430     | 27.4             | 21.0        | 48.4            | 50.0               | -1.6                   |
| 17.770     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 17.298     | 26.5             | 20.9        | 47.4            | 50.0               | -2.6                   |
| 18.484     | 26.0             | 20.9        | 46.9            | 50.0               | -3.1                   |

|                                               |                                                                                                                               |                          |           |                                                                                     |                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|---------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                      | <b>Date:</b>             | 07/06/11  |  |                     |
| <b>Project:</b>                               | None                                                                                                                          | <b>Temperature:</b>      | 22.41     |                                                                                     |                     |
| <b>Job Site:</b>                              | OC06                                                                                                                          | <b>Humidity:</b>         | 41.1      |                                                                                     |                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                 | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |                     |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                    |                          |           |                                                                                     |                     |
| <b>Configuration:</b>                         | 2                                                                                                                             |                          |           |                                                                                     |                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                      |                          |           |                                                                                     |                     |
| <b>Attendees:</b>                             | None                                                                                                                          |                          |           |                                                                                     |                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                   |                          |           |                                                                                     |                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                           |                          |           |                                                                                     |                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                                |                          |           |                                                                                     |                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 149 - 5755 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                               | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |                     |
| <b>Run #</b>                                  | 7                                                                                                                             | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         | <b>Results</b> Pass |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

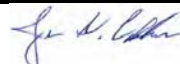
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.2             | 20.9        | 50.1            | 60.0               | -9.9                   |
| 18.010     | 28.9             | 20.9        | 49.8            | 60.0               | -10.2                  |
| 19.430     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 17.770     | 27.8             | 20.9        | 48.7            | 60.0               | -11.3                  |
| 18.480     | 27.2             | 20.9        | 48.1            | 60.0               | -11.9                  |
| 17.060     | 26.6             | 20.8        | 47.4            | 60.0               | -12.6                  |

Average Data - vs - Average Limit

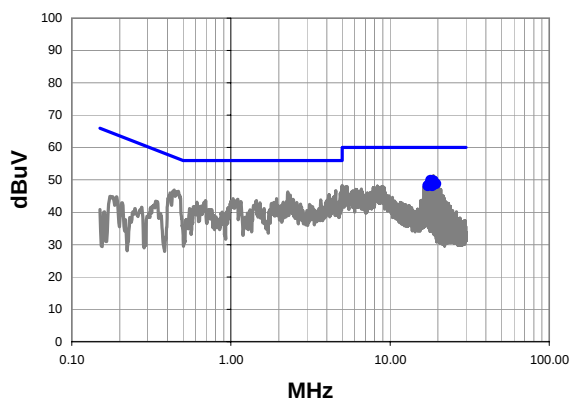
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 18.010     | 28.1             | 20.9        | 49.0            | 50.0               | -1.0                   |
| 19.430     | 27.6             | 21.0        | 48.6            | 50.0               | -1.4                   |
| 17.770     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.480     | 26.3             | 20.9        | 47.2            | 50.0               | -2.8                   |
| 17.060     | 25.5             | 20.8        | 46.3            | 50.0               | -3.7                   |

## EMC

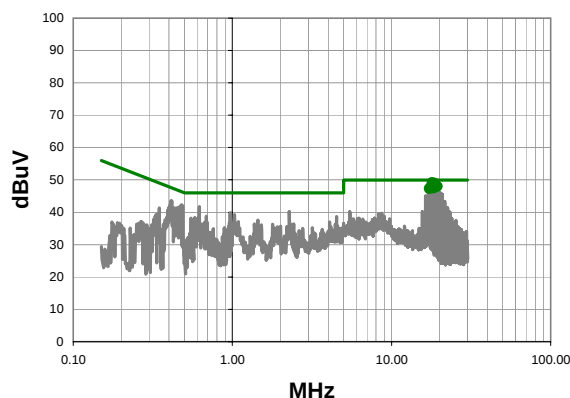
## Powerline Conducted Emissions

|                                               |                                                                                                                               |                          |          |                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                      | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                          | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                          | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                 | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                    |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                             |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                      |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                          |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                   |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                           |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                                |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 149 - 5755 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                               | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 8                                                                                                                             | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                               |                          |          | Pass                                                                                |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

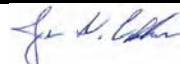
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.010     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 18.716     | 28.9             | 20.9        | 49.8            | 60.0               | -10.2                  |
| 17.770     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 19.430     | 27.8             | 21.0        | 48.8            | 60.0               | -11.2                  |
| 18.480     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |
| 17.298     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

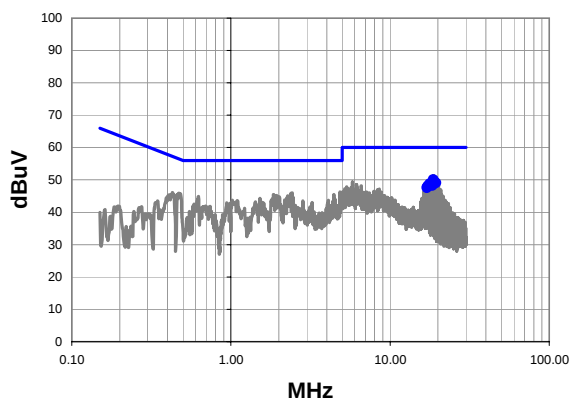
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.010     | 28.3             | 20.9        | 49.2            | 50.0               | -0.8                   |
| 18.716     | 28.1             | 20.9        | 49.0            | 50.0               | -1.0                   |
| 17.770     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 19.430     | 27.0             | 21.0        | 48.0            | 50.0               | -2.0                   |
| 18.480     | 26.6             | 20.9        | 47.5            | 50.0               | -2.5                   |
| 17.298     | 26.4             | 20.9        | 47.3            | 50.0               | -2.7                   |

## EMC

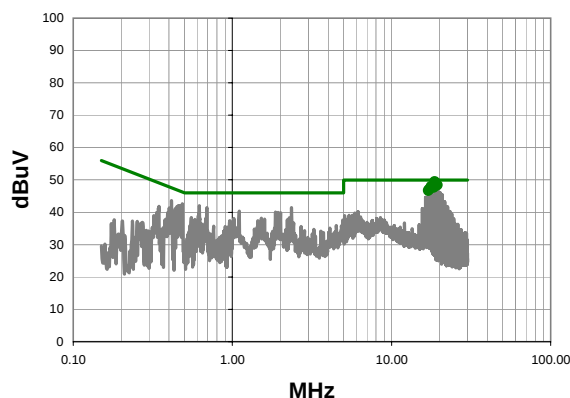
## Powerline Conducted Emissions

|                                               |                                                                                                                               |                          |           |                                                                                     |                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------------------------------------------------------------------------|---------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                      | <b>Date:</b>             | 07/06/11  |  |                     |
| <b>Project:</b>                               | None                                                                                                                          | <b>Temperature:</b>      | 22.41     |                                                                                     |                     |
| <b>Job Site:</b>                              | OC06                                                                                                                          | <b>Humidity:</b>         | 41.1      |                                                                                     |                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                 | <b>Barometric Pres.:</b> | 1019.2    | <b>Tested by:</b> Johnny Candelas                                                   |                     |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                    |                          |           |                                                                                     |                     |
| <b>Configuration:</b>                         | 2                                                                                                                             |                          |           |                                                                                     |                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                      |                          |           |                                                                                     |                     |
| <b>Attendees:</b>                             | None                                                                                                                          |                          |           |                                                                                     |                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                   |                          |           |                                                                                     |                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                           |                          |           |                                                                                     |                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                                |                          |           |                                                                                     |                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 165 - 5795 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |           |                                                                                     |                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                               | <b>Class B</b>           |           | <b>Test Method</b><br>ANSI C63.10:2009                                              |                     |
| <b>Run #</b>                                  | 9                                                                                                                             | <b>Line:</b>             | High Line | <b>Ext. Attenuation:</b> 20                                                         | <b>Results</b> Pass |

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit

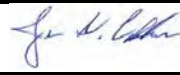


Quasi Peak Data - vs - Quasi Peak Limit

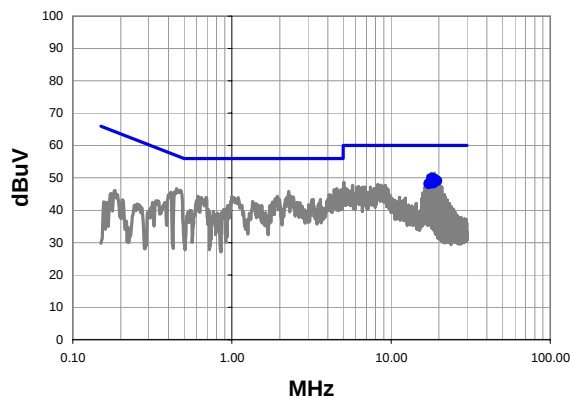
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 29.1             | 20.9        | 50.0            | 60.0               | -10.0                  |
| 19.428     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 17.770     | 27.9             | 20.9        | 48.8            | 60.0               | -11.2                  |
| 18.480     | 27.4             | 20.9        | 48.3            | 60.0               | -11.7                  |
| 17.296     | 27.2             | 20.9        | 48.1            | 60.0               | -11.9                  |
| 17.060     | 26.7             | 20.8        | 47.5            | 60.0               | -12.5                  |

Average Data - vs - Average Limit

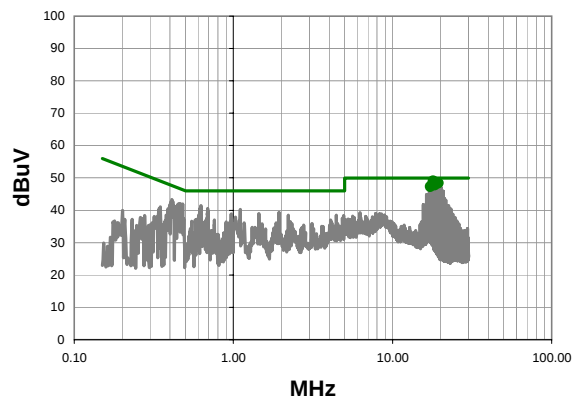
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.720     | 28.6             | 20.9        | 49.5            | 50.0               | -0.5                   |
| 19.428     | 27.4             | 21.0        | 48.4            | 50.0               | -1.6                   |
| 17.770     | 27.1             | 20.9        | 48.0            | 50.0               | -2.0                   |
| 18.480     | 26.8             | 20.9        | 47.7            | 50.0               | -2.3                   |
| 17.296     | 26.2             | 20.9        | 47.1            | 50.0               | -2.9                   |
| 17.060     | 25.8             | 20.8        | 46.6            | 50.0               | -3.4                   |

|                                               |                                                                                                                               |                          |          |                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-------------------------------------------------------------------------------------|
| <b>Work Order:</b>                            | PROS0109                                                                                                                      | <b>Date:</b>             | 07/06/11 |  |
| <b>Project:</b>                               | None                                                                                                                          | <b>Temperature:</b>      | 22.41    |                                                                                     |
| <b>Job Site:</b>                              | OC06                                                                                                                          | <b>Humidity:</b>         | 41.1     |                                                                                     |
| <b>Serial Number:</b>                         | 09435H1000039                                                                                                                 | <b>Barometric Pres.:</b> | 1019.2   | <b>Tested by:</b> Johnny Candelas                                                   |
| <b>EUT:</b>                                   | WMIA-199NI                                                                                                                    |                          |          |                                                                                     |
| <b>Configuration:</b>                         | 2                                                                                                                             |                          |          |                                                                                     |
| <b>Customer:</b>                              | ProSoft Technology, Inc.                                                                                                      |                          |          |                                                                                     |
| <b>Attendees:</b>                             | None                                                                                                                          |                          |          |                                                                                     |
| <b>EUT Power:</b>                             | 120VAC/60Hz                                                                                                                   |                          |          |                                                                                     |
| <b>Operating Mode:</b>                        | Continuous Transmit                                                                                                           |                          |          |                                                                                     |
| <b>Deviations:</b>                            | No deviations.                                                                                                                |                          |          |                                                                                     |
| <b>Comments:</b>                              | 802.11n (40MHz), Ch 165 - 5795 MHz, MCS0. Phihong PSC20R-120 power supply, ferrite (0443164151) 2 loops on power cable by EUT |                          |          |                                                                                     |
| <b>Test Specifications</b><br>FCC 15.207:2011 |                                                                                                                               | <b>Class B</b>           |          | <b>Test Method</b><br>ANSI C63.10:2009                                              |
| <b>Run #</b>                                  | 10                                                                                                                            | <b>Line:</b>             | Neutral  | <b>Ext. Attenuation:</b> 20                                                         |
| <b>Results</b>                                |                                                                                                                               |                          |          | 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) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.006     | 29.0             | 20.9        | 49.9            | 60.0               | -10.1                  |
| 18.720     | 28.8             | 20.9        | 49.7            | 60.0               | -10.3                  |
| 19.430     | 28.1             | 21.0        | 49.1            | 60.0               | -10.9                  |
| 17.774     | 27.8             | 20.9        | 48.7            | 60.0               | -11.3                  |
| 18.484     | 27.5             | 20.9        | 48.4            | 60.0               | -11.6                  |
| 17.296     | 27.3             | 20.9        | 48.2            | 60.0               | -11.8                  |

Average Data - vs - Average Limit

| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Compared to Spec. (dB) |
|------------|------------------|-------------|-----------------|--------------------|------------------------|
| 18.006     | 28.2             | 20.9        | 49.1            | 50.0               | -0.9                   |
| 18.720     | 27.7             | 20.9        | 48.6            | 50.0               | -1.4                   |
| 19.430     | 27.4             | 21.0        | 48.4            | 50.0               | -1.6                   |
| 17.774     | 27.0             | 20.9        | 47.9            | 50.0               | -2.1                   |
| 18.484     | 26.9             | 20.9        | 47.8            | 50.0               | -2.2                   |
| 17.296     | 26.4             | 20.9        | 47.3            | 50.0               | -2.7                   |