Tripod Data Systems, Inc.

USI WM-G-MR-05 in Eagle

July 03, 2007

Report No. TRPO0034

Report Prepared By

NORTHWEST EMC

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

EMC Test Report

NORTHWEST EMC

22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test

Issue Date: July 03, 2007
Tripod Data Systems, Inc.
Model: USI WM-G-MR-05 in Eagle

Emissions				
Test Description	**Specification**	**Test Method**	**Pass**	**Fail**
AC Powerline Conducted Emissions	FCC 15.207:2006	ANSI C63.4:2003	☒	☐
Occupied Bandwidth	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐
Output Power	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐
Band Edge Compliance	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐
Spurious Conducted Emissions	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐
Power Spectral Density	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐
Spurious Radiated Emissions	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	☒	☐

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.
22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

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.

Approved By:

Don Facteau, IS Manager

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		

Accreditations and Authorizations

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

NVLAP: Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 89/336/EEC, 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.

NVLAP LAB CODE 200629-0
NVLAP LAB CODE 200630-0
NVLAP LAB CODE 200676-0
NVLAP LAB CODE 200761-0

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 212, Issue 1 (Provisional) 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.

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.

TÜV Product Service: Included in TUV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TUV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TUV's current Listing of CARAT Laboratories, available from TUV. A certificate was issued to represent that this laboratory continues to meet TUV's CARAT Program requirements. Certificate No. USA0604C.

TÜV Rheinland: Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.

NEMKO: Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).

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).

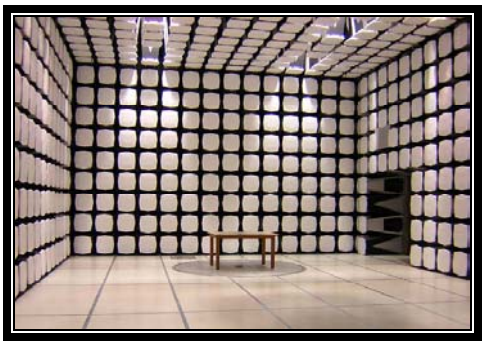
VCCI: Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. *(Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294).*

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. License No.SL2-IN-E-1017.

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

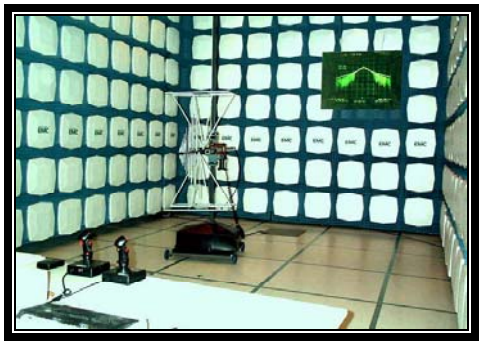
SCOPE

For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/scope.asp



California – Orange County Facility
Labs OC01 – OC13

41 Tesla Ave. Irvine, CA 92618
(888) 364-2378 Fax: (503) 844-3826



Oregon – Evergreen Facility
Labs EV01 – EV11

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124
(503) 844-4066 Fax: (503) 844-3826

Washington – Sultan Facility
Labs SU01 – SU07

14128 339th Ave. SE Sultan, WA 98294
(888) 364-2378

Party Requesting the Test

Company Name:	Tripod Data Systems, Inc.
Address:	345 SW Avery Ave
City, State, Zip:	Corvallis, OR 97333
Test Requested By:	Bob Grant
Model:	USI WM-G-MR-05 in Eagle
First Date of Test:	June 5, 2007
Last Date of Test:	June 28, 2007
Receipt Date of Samples:	June 5, 2007
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):
The Eagle is a PDA that contains 802.11b/g and Bluetooth radios.

Testing Objective:
To demonstrate compliance of the 802.11b/g radio to FCC 15.247 requirements.

CONFIGURATION 2 TRPO0034

Software/Firmware Running during test	
Description	**Version**
USI LabTool (Black Su)	Unknown

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Host PDA	Tripod Data Systems, Inc.	Eagle LP3	ETL3A00343
EUT - 802.11 Radio	USI	WM-G-MR-05	Unknown

Remote Equipment Outside of Test Setup Boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
AC Adapter	Cincon Electronics Co., LTD.	TR30R050	None

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Lead	PA	1.8m	Yes	Host PDA	AC Mains
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 3 TRPO0034

Software/Firmware Running during test	
Description	**Version**
USI LabTool (Black Su)	Unknown

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
EUT - 802.11 Radio	USI	WM-G-MR-05	Unknown
Host PDA	Tripod Data Systems, Inc.	Eagle LP3	ETL4A00444

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
AC Adapter	Cincon Electronics Co., LTD.	TR30R050	None

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Lead	PA	1.8m	Yes	Host PDA	AC Mains
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	6/5/2007	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	6/5/2007	Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	6/5/2007	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.
4	6/6/2007	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.
5	6/6/2007	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	6/25/2007	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	6/28/2007	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

Occupied Bandwidth

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4407B	AAU	12/8/2006	13

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The occupied bandwidth 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 the spectrum analyzer. The EUT was transmitting at multiple data rates.

NORTHWEST EMC

Occupied Bandwidth

XMit 2006.08.24

EUT:	**USI WM-G-MR-05 in Eagle**			**Work Order:**	**TRPO0034**
Serial Number:	**None**			**Date:**	**06/05/07**
Customer:	**Tripod Data Systems, Inc.**			**Temperature:**	**24°C**
Attendees:	**None**			**Humidity:**	**31%**
Project:	**None**			**Barometric Pres.:**	**29.81**
Tested by:	**Holly Ashkannejhad**	**Power:**	**120VAC/60Hz**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	Test Method
FCC 15.247(DTS):2006	ANSI C63.4:2003, KDB No. 558074

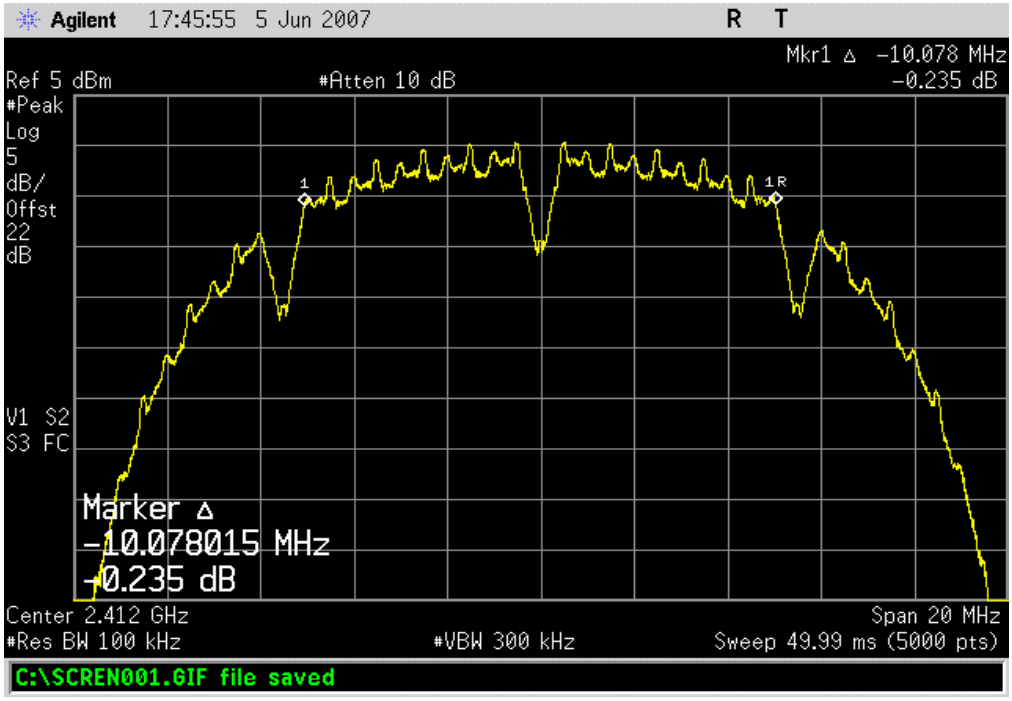
COMMENTS

DEVIATIONS FROM TEST STANDARD

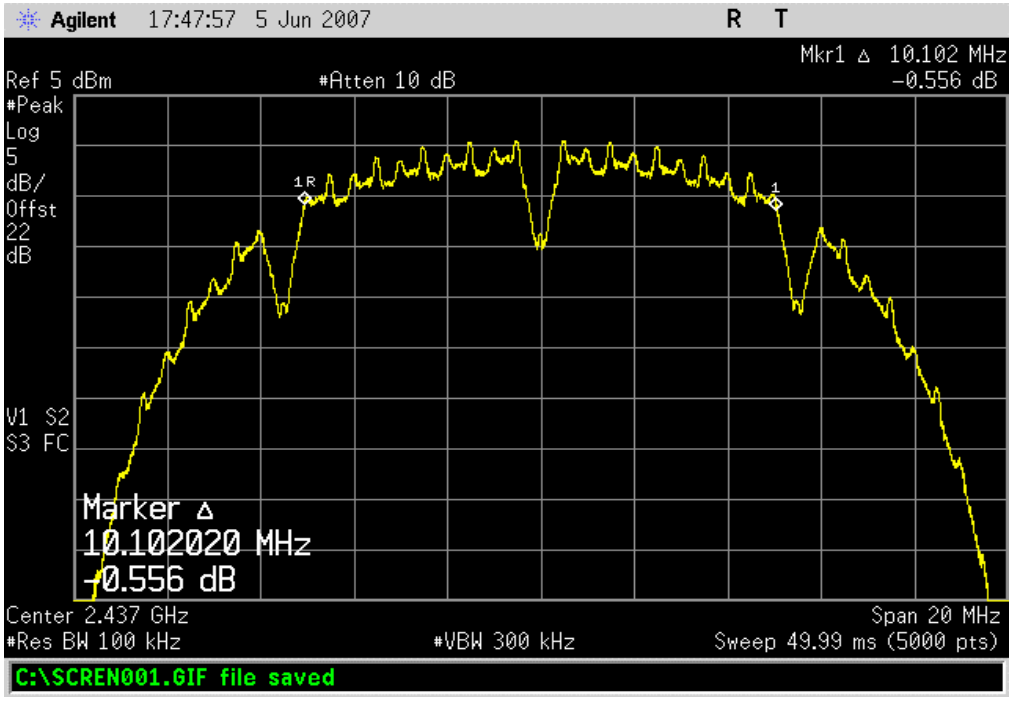
Configuration #	**2**	*Signature* Holly Ashkannejhad

		Value	**Limit**	**Results**
802.11(b), 1Mbps				
	Low	10.078 MHz	> 500 kHz	Pass
	Mid	10.102 MHz	> 500 kHz	Pass
	High	10.114 MHz	> 500 kHz	Pass
802.11(b), 11Mbps				
	Low	10.350 MHz	> 500 kHz	Pass
	Mid	11.030 MHz	> 500 kHz	Pass
	High	10.362 MHz	> 500 kHz	Pass
802.11(g), 6Mbps				
	Low	16.571 Mhz	> 500 kHz	Pass
	Mid	16.571 MHz	> 500 kHz	Pass
	High	16.575 MHz	> 500 kHz	Pass
802.11(g), 36Mbps				
	Low	16.547 MHz	> 500 kHz	Pass
	Mid	16.571 MHz	> 500 kHz	Pass
	High	16.543 MHz	> 500 kHz	Pass
802.11(g), 54Mbps				
	Low	16.546 MHz	> 500 kHz	Pass
	Mid	16.535 MHz	> 500 kHz	Pass
	High	16.531 MHz	> 500 kHz	Pass

802.11(b), 1Mbps, Low					
Result:	Pass	**Value:**	10.078 MHz	**Limit:**	> 500 kHz

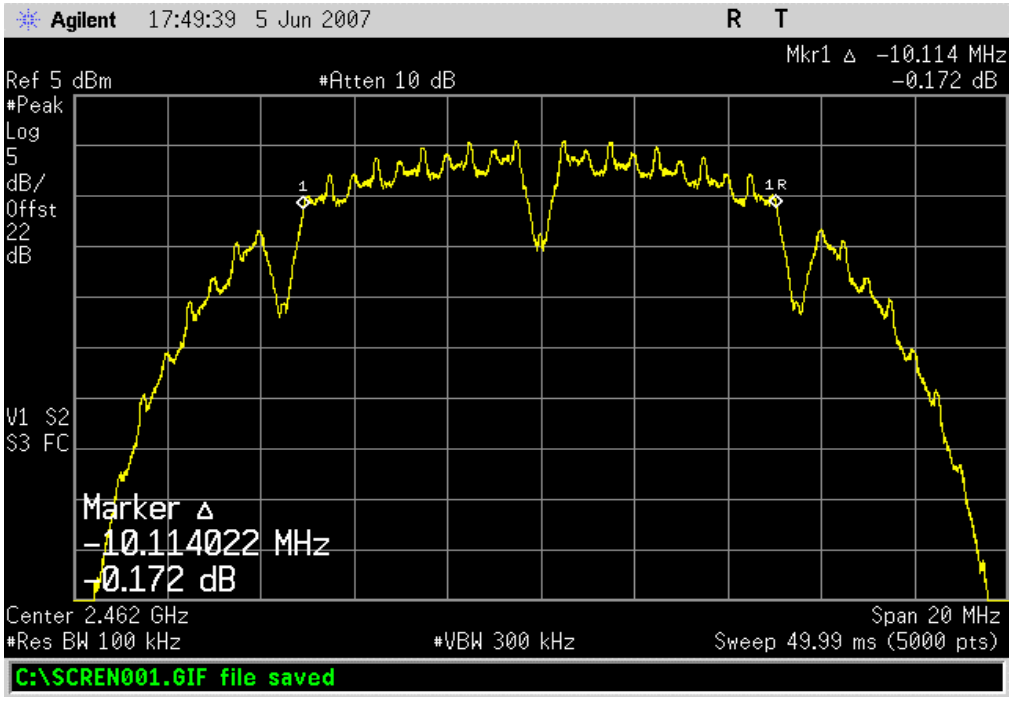


802.11(b), 1Mbps, Mid					
Result:	Pass	**Value:**	10.102 MHz	**Limit:**	> 500 kHz

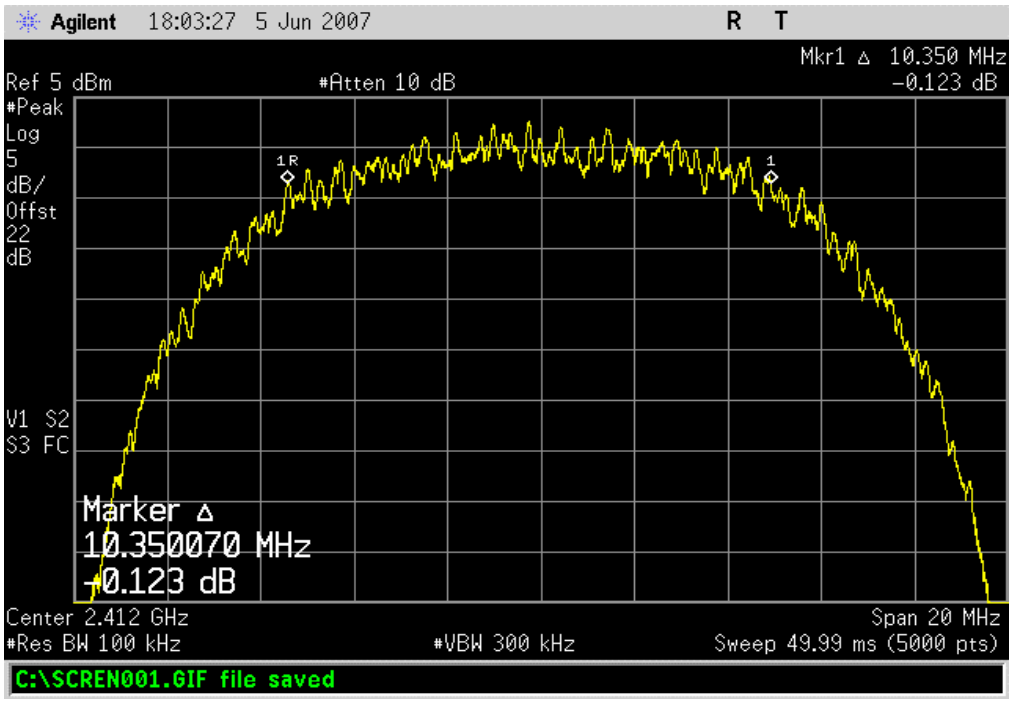


Occupied Bandwidth

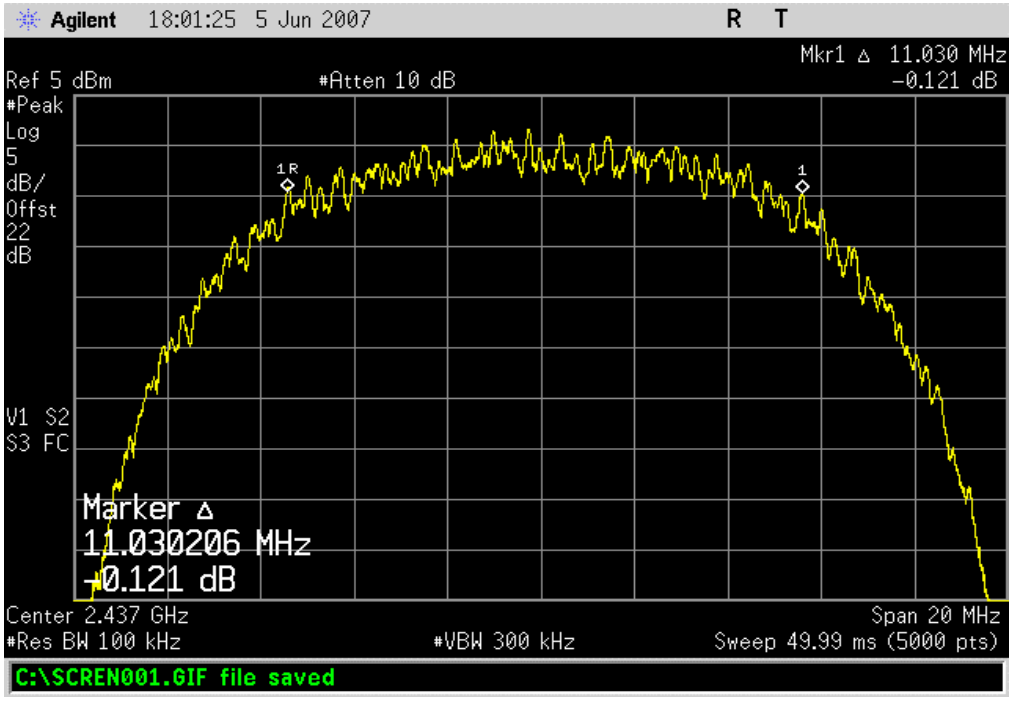
802.11(b), 1Mbps, High					
Result:	Pass	**Value:**	10.114 MHz	**Limit:**	> 500 kHz



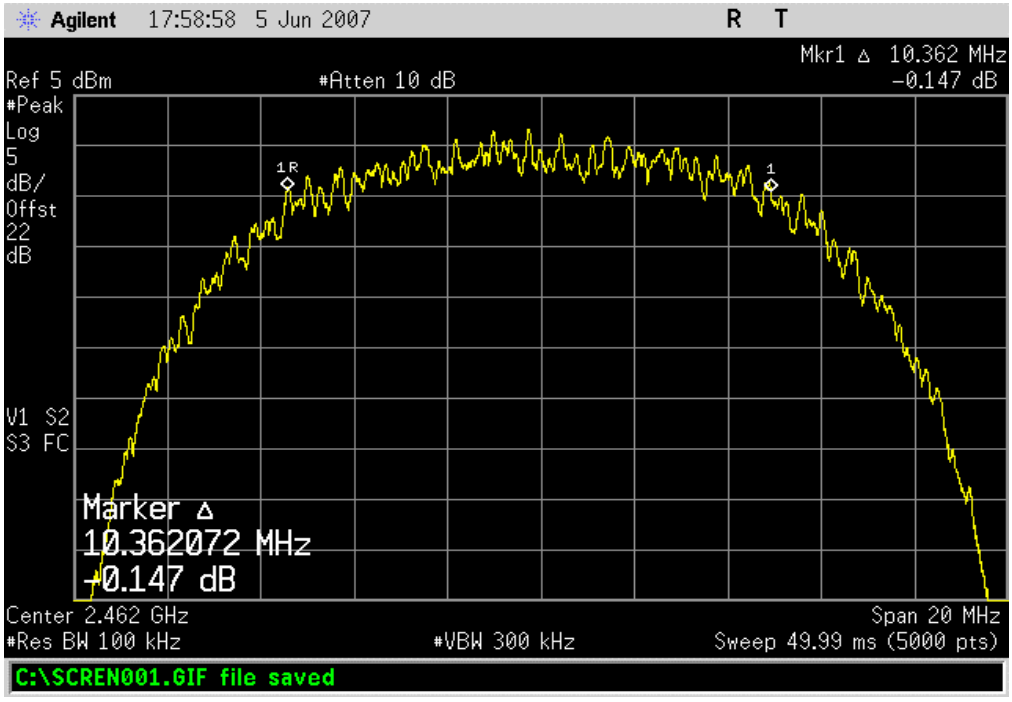
802.11(b), 11Mbps, Low					
Result:	Pass	**Value:**	10.350 MHz	**Limit:**	> 500 kHz



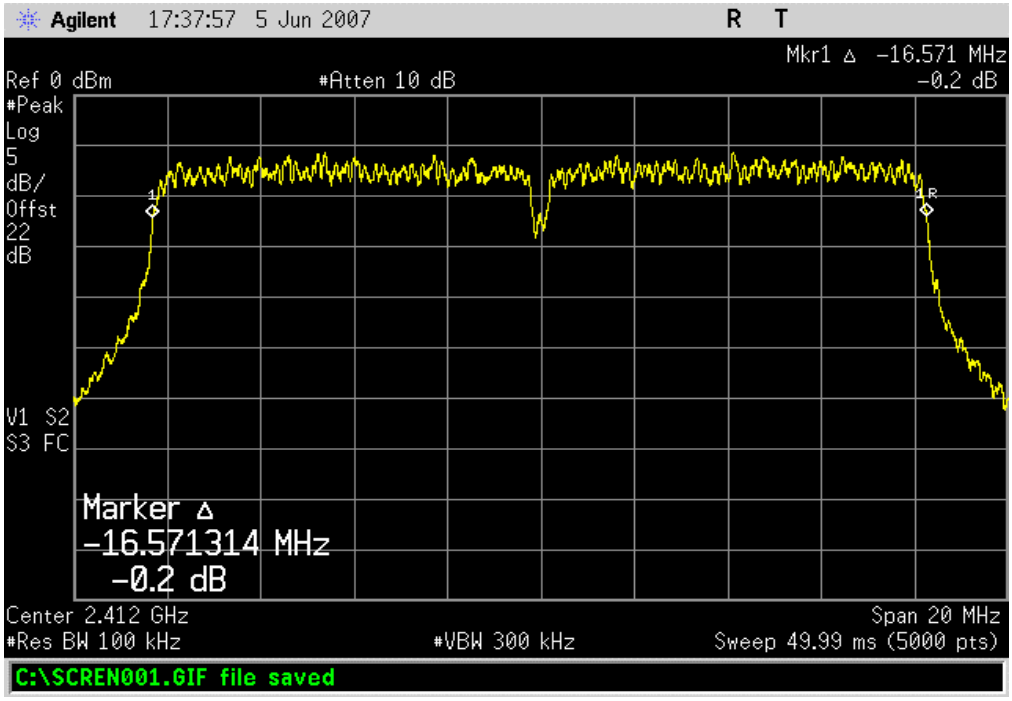
802.11(b), 11Mbps, Mid					
Result:	Pass	**Value:**	11.030 MHz	**Limit:**	> 500 kHz



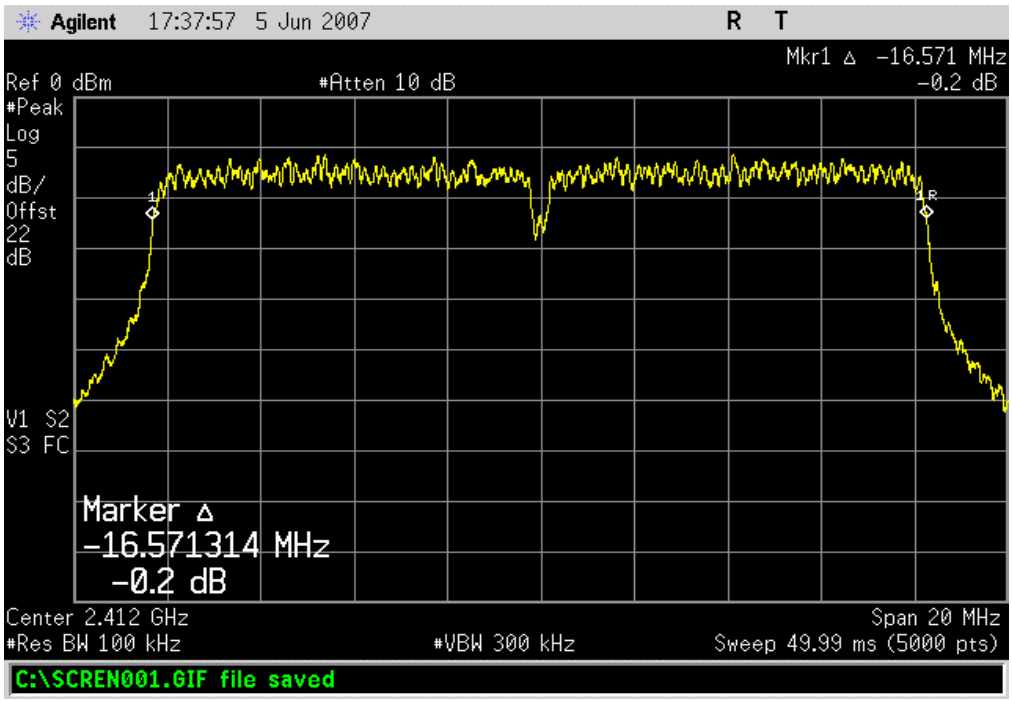
802.11(b), 11Mbps, High					
Result:	Pass	**Value:**	10.362 MHz	**Limit:**	> 500 kHz



802.11(g), 6Mbps, Low					
Result:	Pass	**Value:**	16.571 Mhz	**Limit:**	> 500 kHz

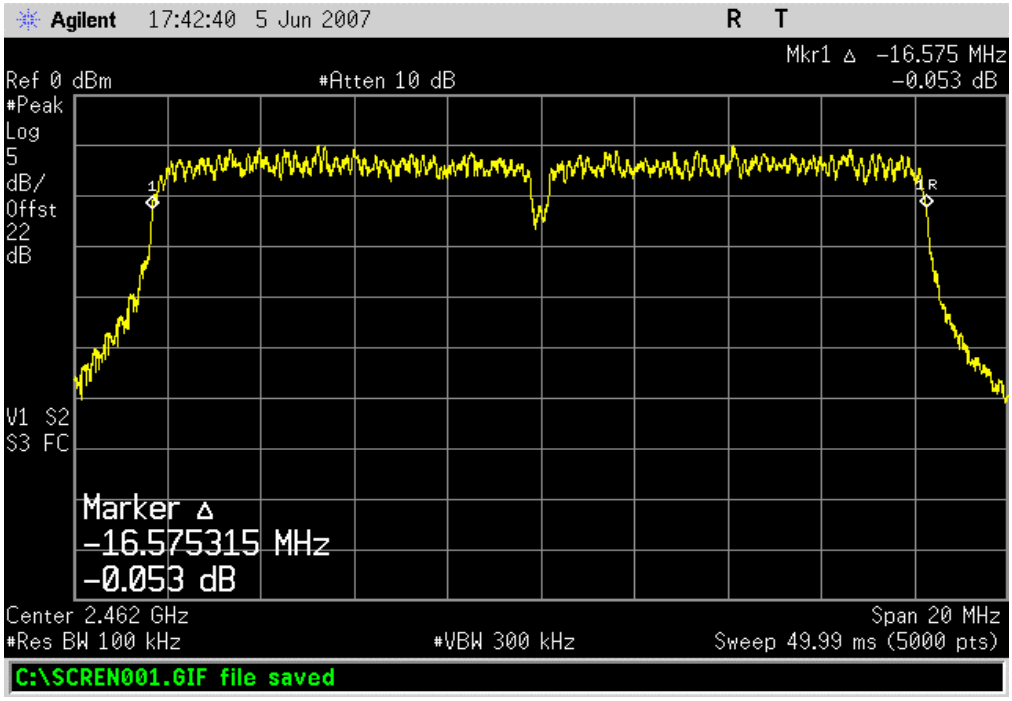


802.11(g), 6Mbps, Mid					
Result:	Pass	**Value:**	16.571 MHz	**Limit:**	> 500 kHz

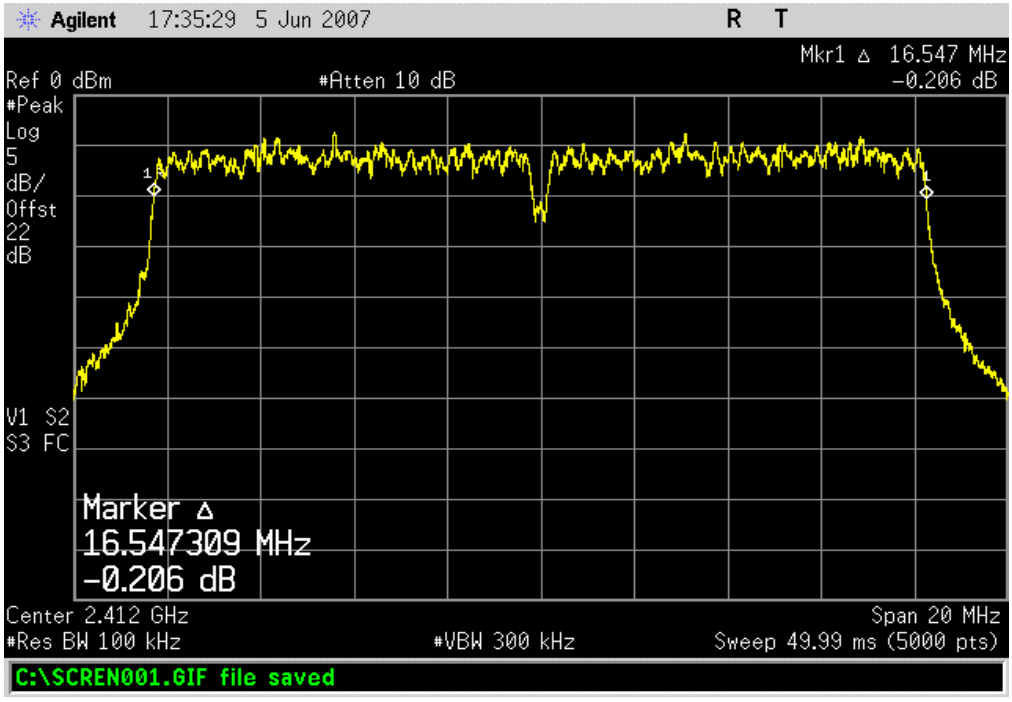


Occupied Bandwidth

802.11(g), 6Mbps, High					
Result:	Pass	**Value:**	16.575 MHz	**Limit:**	> 500 kHz

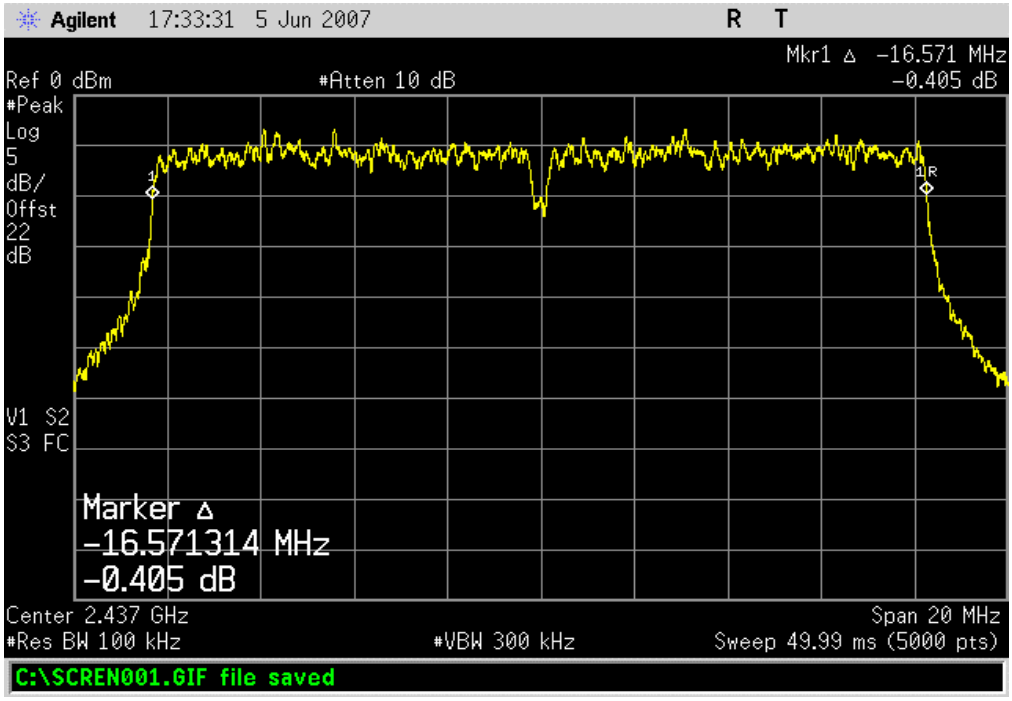


802.11(g), 36Mbps, Low					
Result:	Pass	**Value:**	16.547 MHz	**Limit:**	> 500 kHz

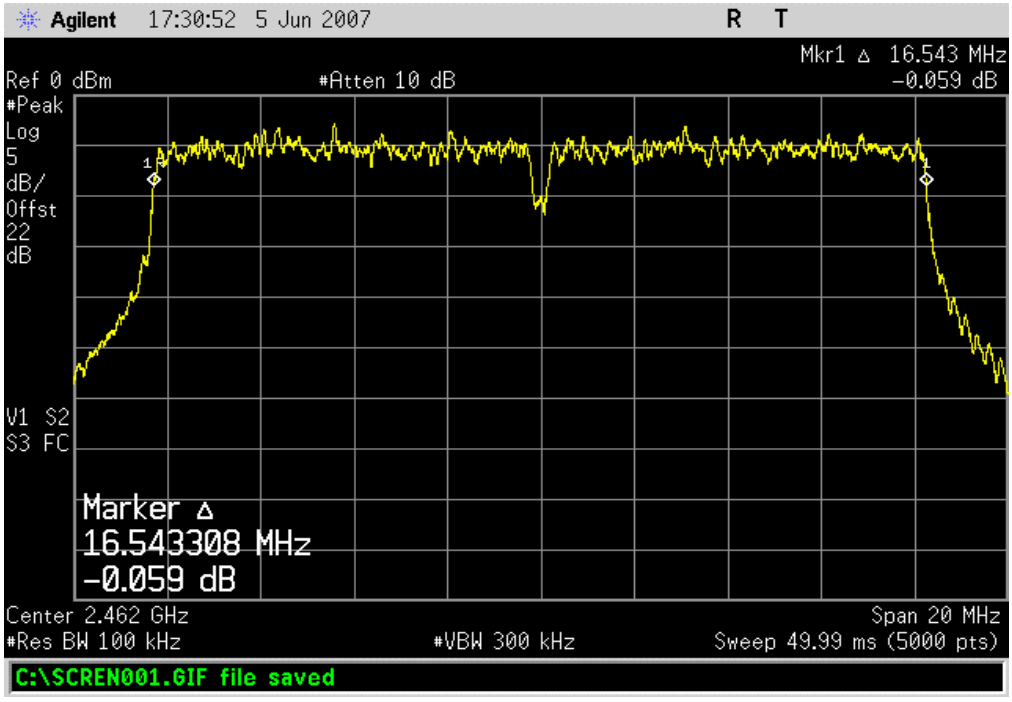


Occupied Bandwidth

802.11(g), 36Mbps, Mid					
Result:	Pass	**Value:**	16.571 MHz	**Limit:**	> 500 kHz

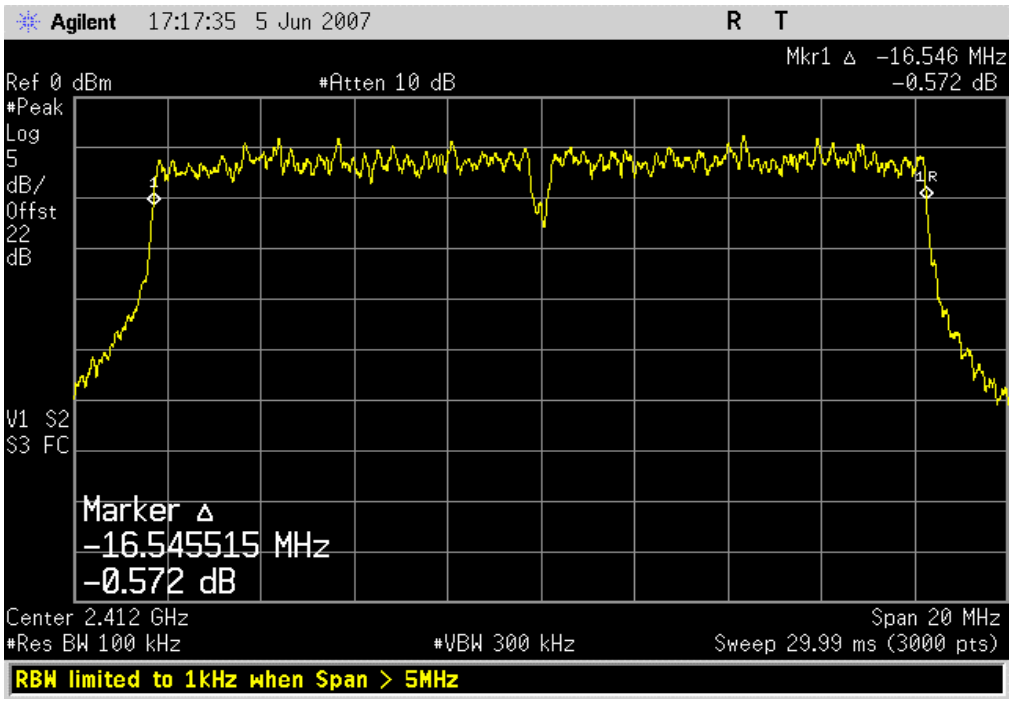


802.11(g), 36Mbps, High					
Result:	Pass	**Value:**	16.543 MHz	**Limit:**	> 500 kHz

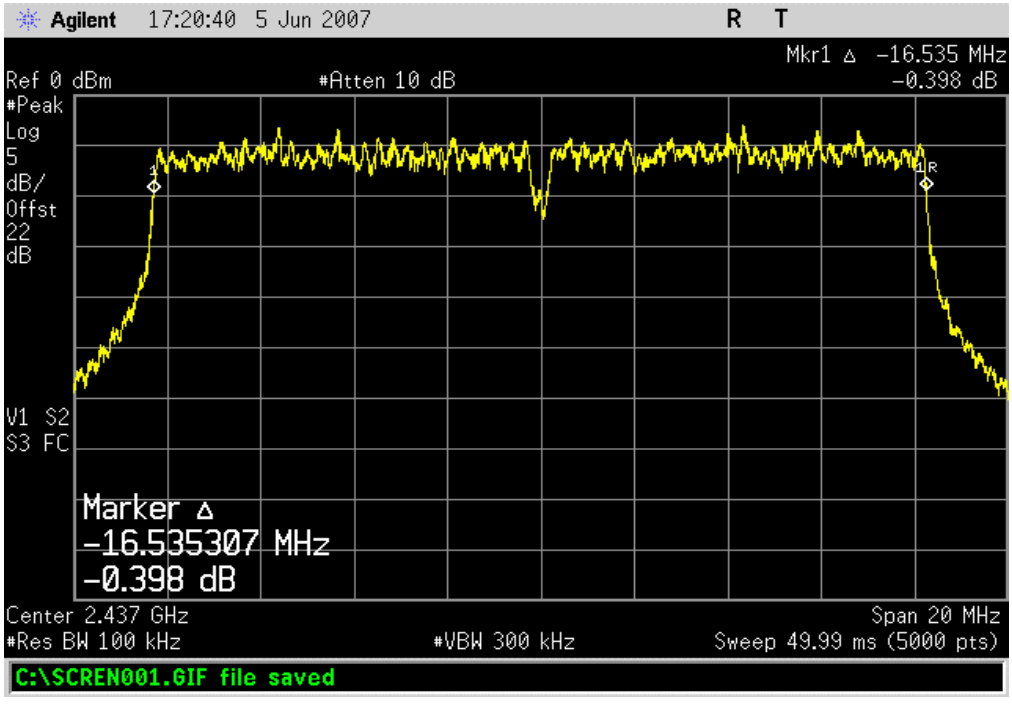


Occupied Bandwidth

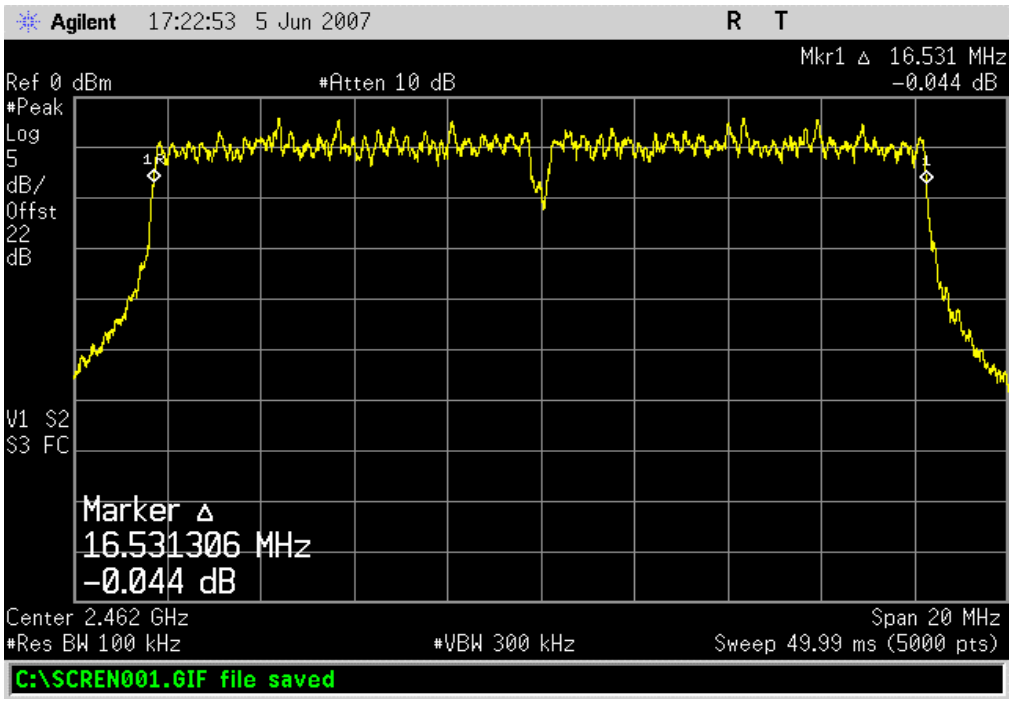
802.11(g), 54Mbps, Low					
Result:	Pass	**Value:**	16.546 MHz	**Limit:**	> 500 kHz



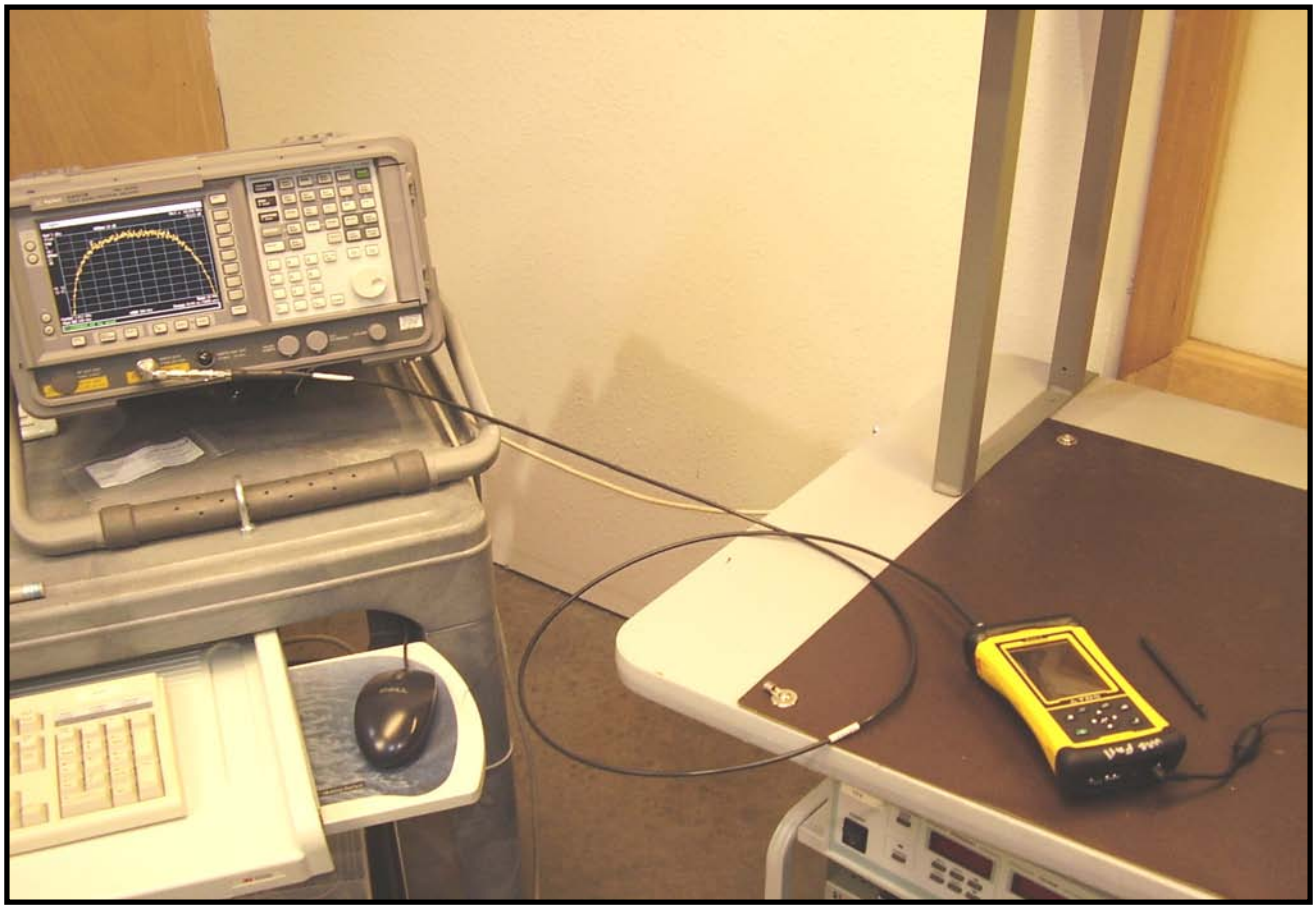
802.11(g), 54Mbps, Mid					
Result:	Pass	**Value:**	16.535 MHz	**Limit:**	> 500 kHz



802.11(g), 54Mbps, High					
Result:	Pass	**Value:**	16.531 MHz	**Limit:**	> 500 kHz



Occupied Bandwidth



Output Power

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
RF Detector	RLC Electronics	CR-133-R	ZZA	NCR	0
Signal Generator	Hewlett-Packard	8648D	TGC	12/7/2006	13
Power Sensor	Gigatronics	80701A	SPL	9/19/2006	12
Power Meter	Gigatronics	8651A	SPM	9/19/2006	12
Oscilloscope	Tektronix	2465B	TOA	NCR	0

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The peak output power was measured with the EUT set to low, medium, and high transmit frequencies. The EUT was transmitting at its maximum output power. The data rate of the radio was varied to determine the level that produced the highest output power.

The measurement was made using a direct connection between the RF output of the EUT and a RF detector diode. The DC output of the diode was measured with the oscilloscope. The signal generator, tuned to the transmit frequency, was then substituted for the EUT. The CW output of the signal generator was adjusted until the DC output of the RF detector diode match the peak level produced when connected to the EUT. To further reduce measurement error, the power meter and sensor were then used to measure the output power level of the signal generator.

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 2006.08.24

EUT:	**USI WM-G-MR-05 in Eagle**			**Work Order:**	**TRPO0034**
Serial Number:	**Unknown**			**Date:**	**06/05/07**
Customer:	**Tripod Data Systems, Inc.**			**Temperature:**	**24°C**
Attendees:	**None**			**Humidity:**	**36%**
Project:	**None**			**Barometric Pres.:**	**29.91**
Tested by:	**Holly Ashkannejhad**	**Power:**	**120VAC/60Hz**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	Test Method
FCC 15.247(DTS):2006	ANSI C63.4:2003, KDB No. 558074

COMMENTS

DEVIATIONS FROM TEST STANDARD

Configuration #	**2**	*Signature* Holly Ashkannejhad

		Value	Limit	Results
802.11(b), 1Mbps				
	Low	21.88 mW	1 Watt	Pass
	Mid	21.73 mW	1 Watt	Pass
	High	22.91 mW	1 Watt	Pass
802.11(b), 11Mbps				
	Low	21.43 mW	1 Watt	Pass
	Mid	21.73 mW	1 Watt	Pass
	High	23.39 mW	1 Watt	Pass
802.11(g), 6Mbps				
	Low	32.06 mW	1 Watt	Pass
	Mid	35.56 mW	1 Watt	Pass
	High	38.73 mW	1 Watt	Pass
802.11(g), 36Mbps				
	Low	35.4 mW	1 Watt	Pass
	Mid	44.87 mW	1 Watt	Pass
	High	51.17 mW	1 Watt	Pass
802.11(g), 54Mbps				
	Low	38.28 mW	1 Watt	Pass
	Mid	46.45 mW	1 Watt	Pass
	High	57.94 mW	1 Watt	Pass

Output Power

802.11(b), 1Mbps		
Result: Pass	**Value:** < 1 W	**Limit:** 1 W

802.11(b) **1 Mbps**

Xmit Frequency (MHz)	Channel	DC on Scope (mV)	Sig Gen Output (dBm)	Power Meter (dBm)	Power Meter (mW)
2412	1	25.4	13	13.4	21.88
2442	6	25	12.9	13.37	21.73
2462	11	25.4	13	13.6	22.91

802.11(b), 11Mbps		
Result: Pass	**Value:** < 1 W	**Limit:** 1 W

802.11(b) **11 Mbps**

Xmit Frequency (MHz)	Channel	DC on Scope (mV)	Sig Gen Output (dBm)	Power Meter (dBm)	Power Meter (mW)
2412	1	25	12.9	13.31	21.43
2442	6	25	12.9	13.37	21.73
2462	11	25.6	13.1	13.69	23.39

Output Power

802.11(g), 6Mbps		
Result: Pass	**Value:** < 1 W	**Limit:** 1 W

802.11(g) **6 Mbps**

Xmit Frequency (MHz)	Channel	DC on Scope (mV)	Sig Gen Output (dBm)	Power Meter (dBm)	Power Meter (mW)
2412	1	34.2	14.8	15.06	32.06
2442	6	36.4	15.2	15.51	35.56
2462	11	38.4	15.5	15.88	38.73

802.11(g), 36Mbps		
Result: Pass	**Value:** < 1 W	**Limit:** 1 W

802.11(g) **36 Mbps**

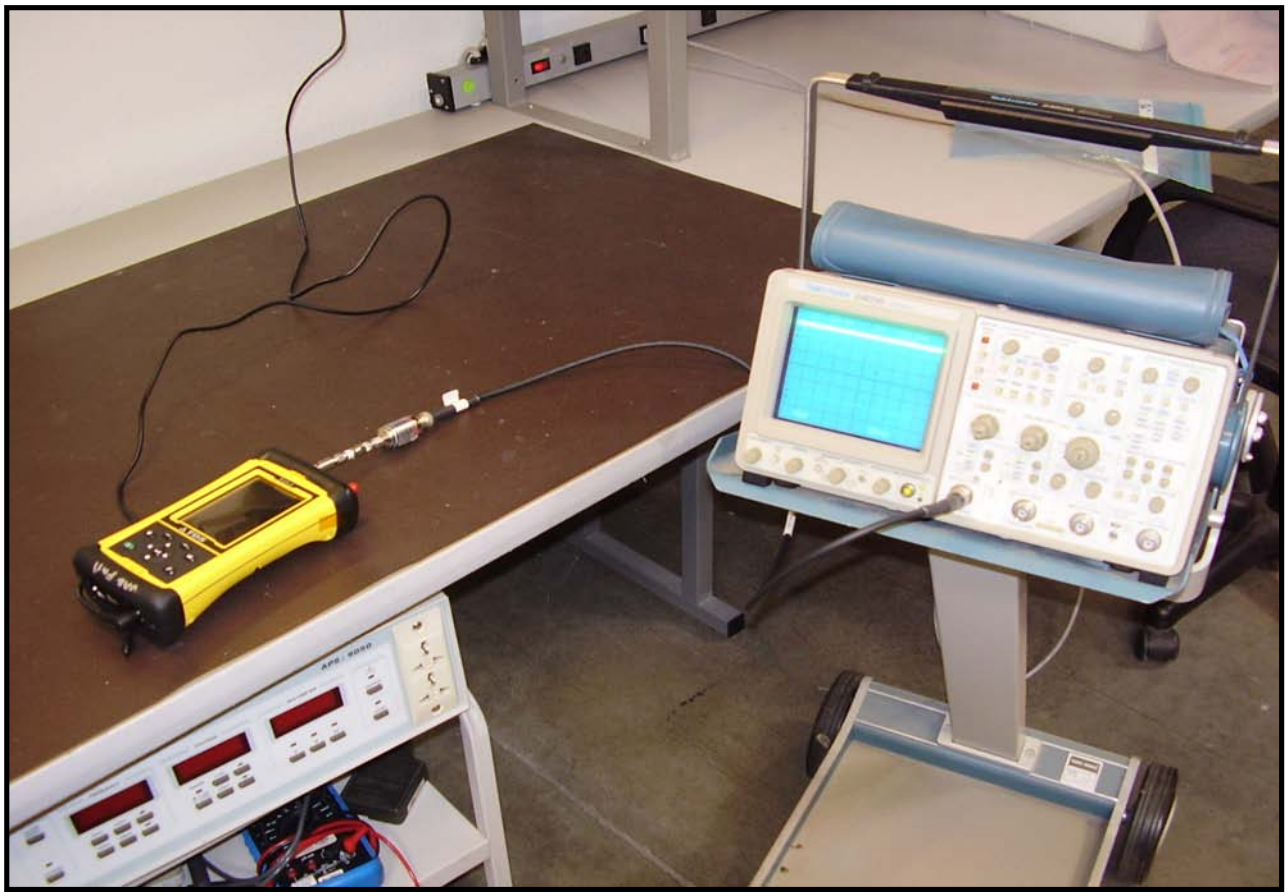
Xmit Frequency (MHz)	Channel	DC on Scope (mV)	Sig Gen Output (dBm)	Power Meter (dBm)	Power Meter (mW)
2412	1	36.6	15.3	15.49	35.40
2442	6	43	16.4	16.52	44.87
2462	11	46.4	17	17.09	51.17

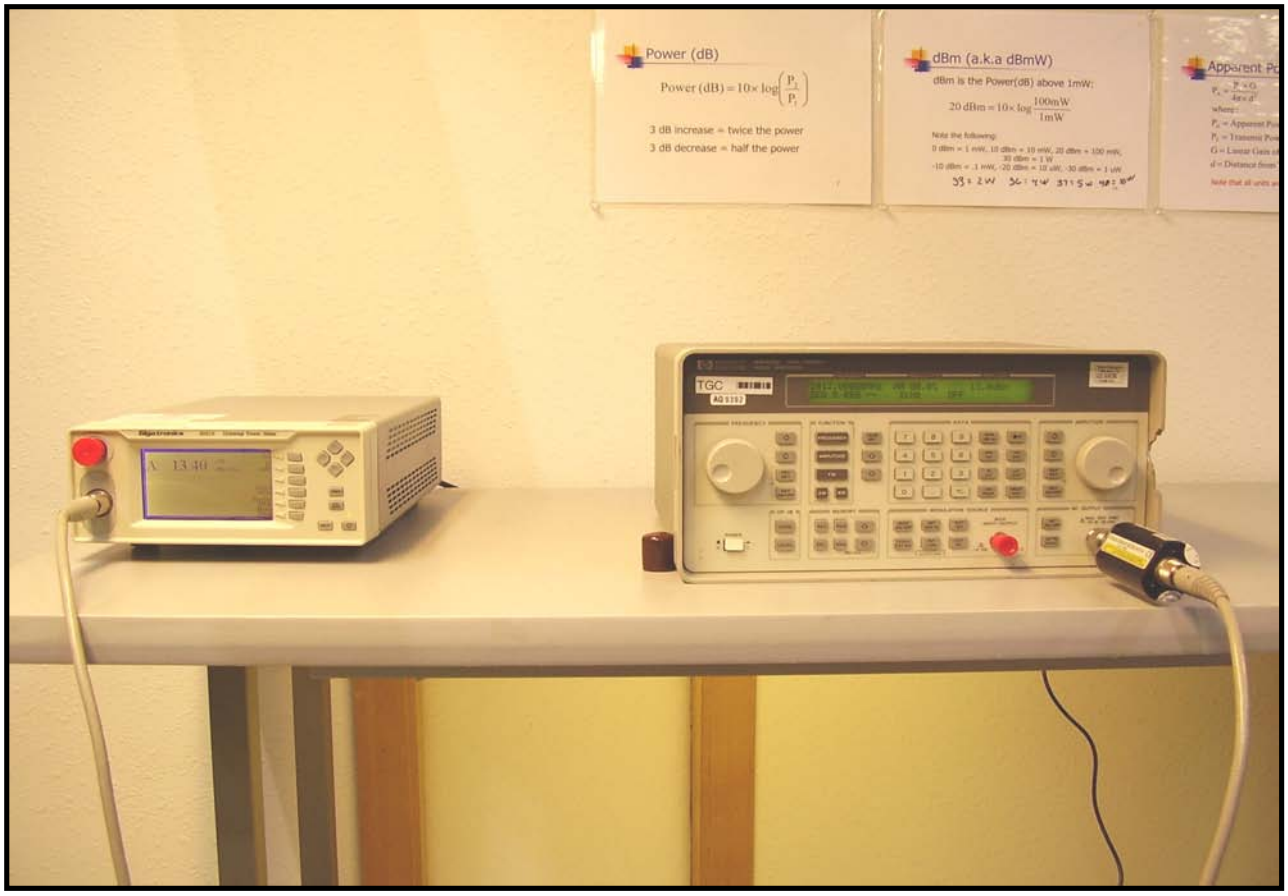
Output Power

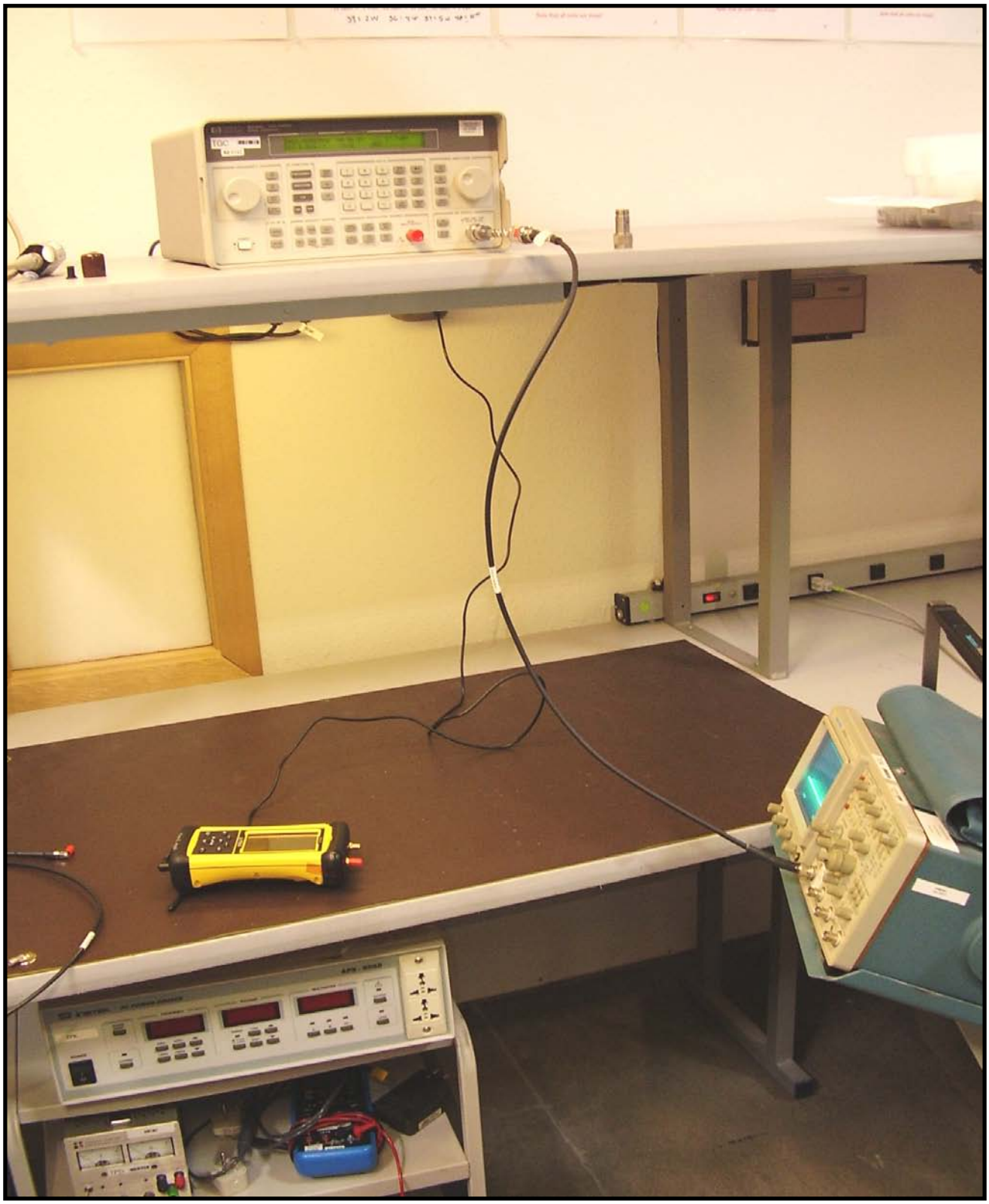
802.11(g), 54Mbps		
Result: Pass	**Value:** < 1 W	**Limit:** 1 W

802.11(g) **54 Mbps**

Xmit Frequency (MHz)	Channel	DC on Scope (mV)	Sig Gen Output (dBm)	Power Meter (dBm)	Power Meter (mW)
2412	1	38.8	15.7	15.83	38.28
2442	6	43.8	16.6	16.67	46.45
2462	11	50.2	17.7	17.63	57.94




Power (dB)
Power (dB) = 10× log(P2/P1)
3 dB increase = twice the power
3 dB decrease = half the power
dBm (a.k.a dBmW)
dBm is the Power(dB) above 1mW:
20 dBm = 10× log(100mW/1mW)
TGC



Bandedge Compliance

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4407B	AAU	12/8/2006	13

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The requirements of FCC 15.247(d) for emissions at least 20dB below the carrier in any 100kHz bandwidth outside the allowable band was measured with the EUT set to low and high transmit frequencies. The measurement was 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. The channels closest to the band edges were selected. The spectrum was scanned across each band edge from 10 MHz below the band edge to 10 MHz above the band edge.

NORTHWEST EMC

Bandedge Compliance

XMit 2006.08.24

EUT:	USI WM-G-MR-05 in Eagle			Work Order:	TRPO0034
Serial Number:	Unknown			Date:	06/06/07
Customer:	Tripod Data Systems, Inc.			Temperature:	24°C
Attendees:	None			Humidity:	32%
Project:	None			Barometric Pres.:	30.01
Tested by:	Holly Ashkannejhad	Power:	120VAC/60Hz	Job Site:	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.247(DTS):2006	ANSI C63.4:2003, KDB No. 558074

COMMENTS

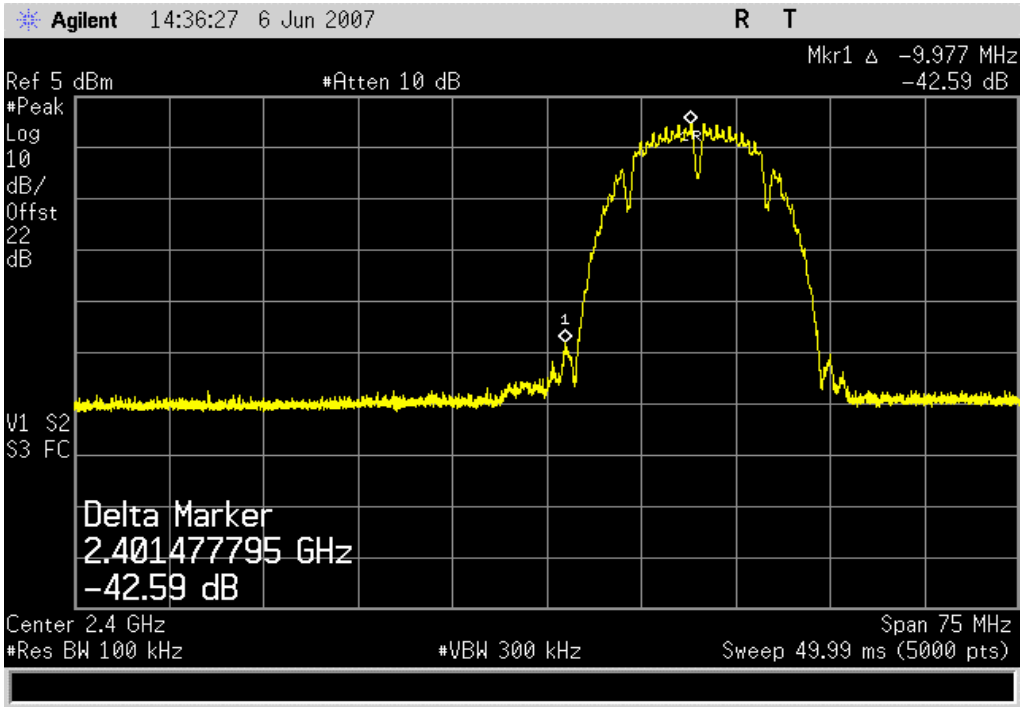
DEVIATIONS FROM TEST STANDARD

Configuration #	2	Signature Holly Ashkannejhad

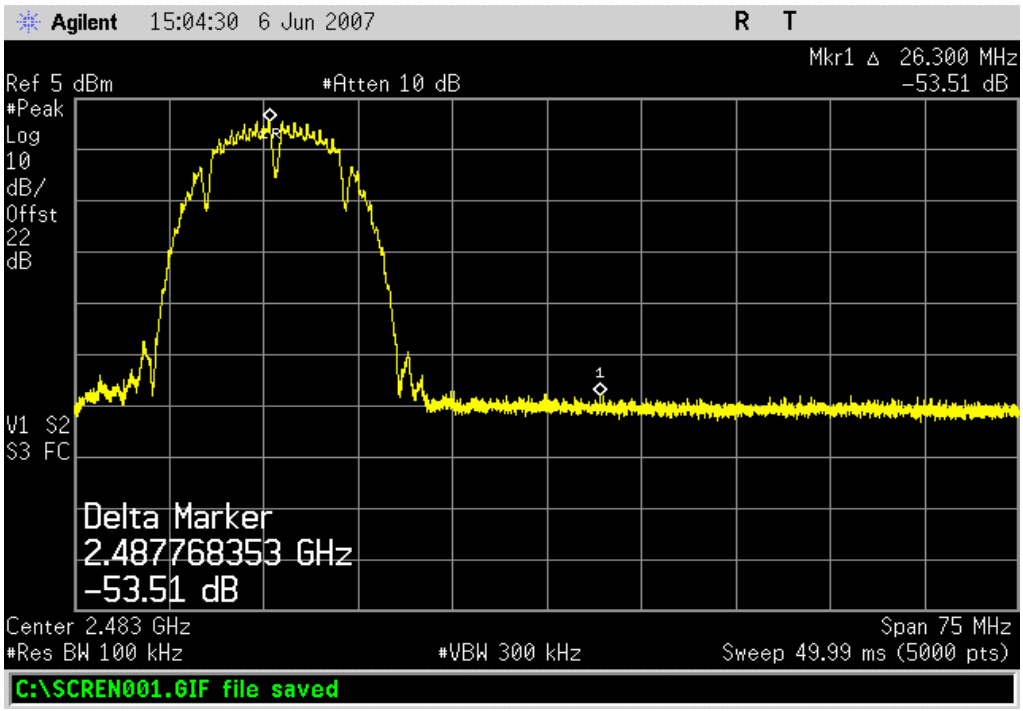
		Value	Limit	Results
802.11(b), 1Mbps				
	Low channel	-42.59 dBc	≤ - 20 dBc	Pass
	High channel	-53.51 dBc	≤ - 20 dBc	Pass
802.11(b), 11Mbps				
	Low channel	-44.97 dBc	≤ - 20 dBc	Pass
	High channel	-54.08 dBc	≤ - 20 dBc	Pass
802.11(g), 6Mbps				
	Low channel	-24.08 dBc	≤ - 20 dBc	Pass
	High channel	-46.36 dBc	≤ - 20 dBc	Pass
802.11(g), 36Mbps				
	Low channel	-24.3 dBc	≤ - 20 dBc	Pass
	High channel	-46.5 dBc	≤ - 20 dBc	Pass
802.11(g), 54Mbps				
	Low channel	-24.39 dBc	≤ - 20 dBc	Pass
	High channel	-47.78 dBc	≤ - 20 dBc	Pass

Bandedge Compliance

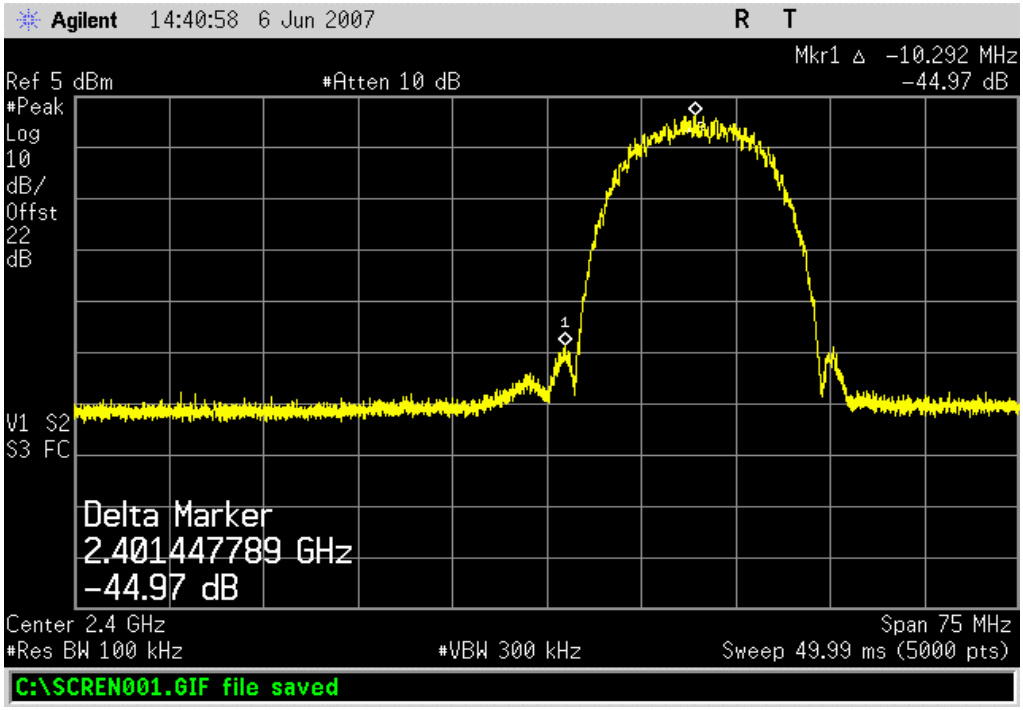
802.11(b), 1Mbps, Low channel					
Result:	Pass	**Value:**	-42.59 dBc	**Limit:**	≤ - 20 dBc



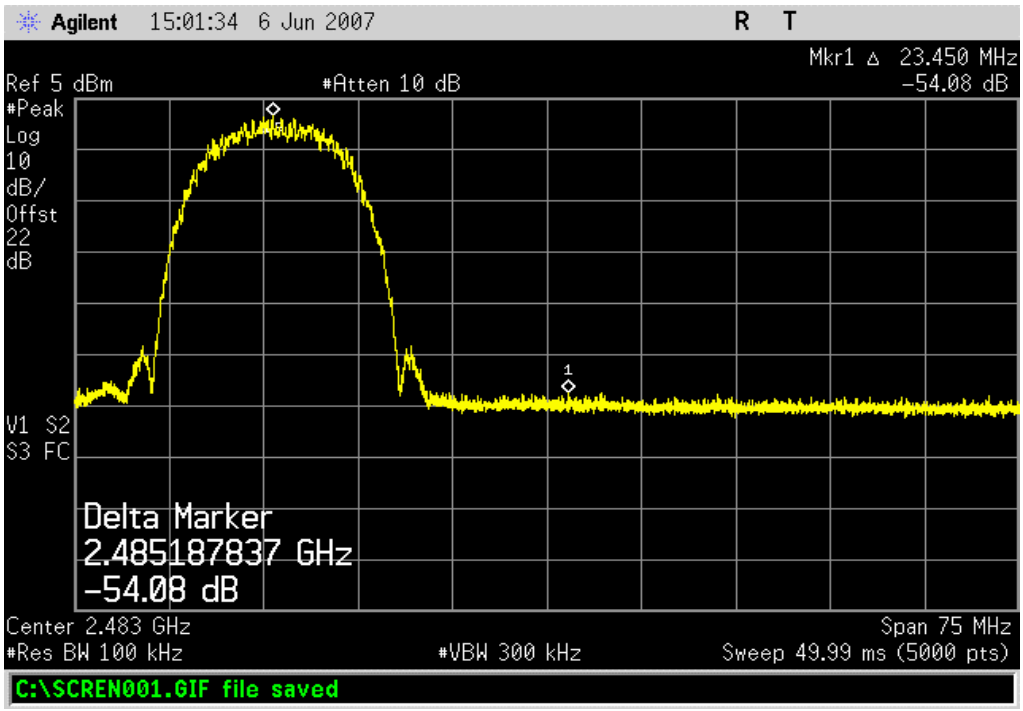
802.11(b), 1Mbps, High channel					
Result:	Pass	**Value:**	-53.51 dBc	**Limit:**	≤ - 20 dBc



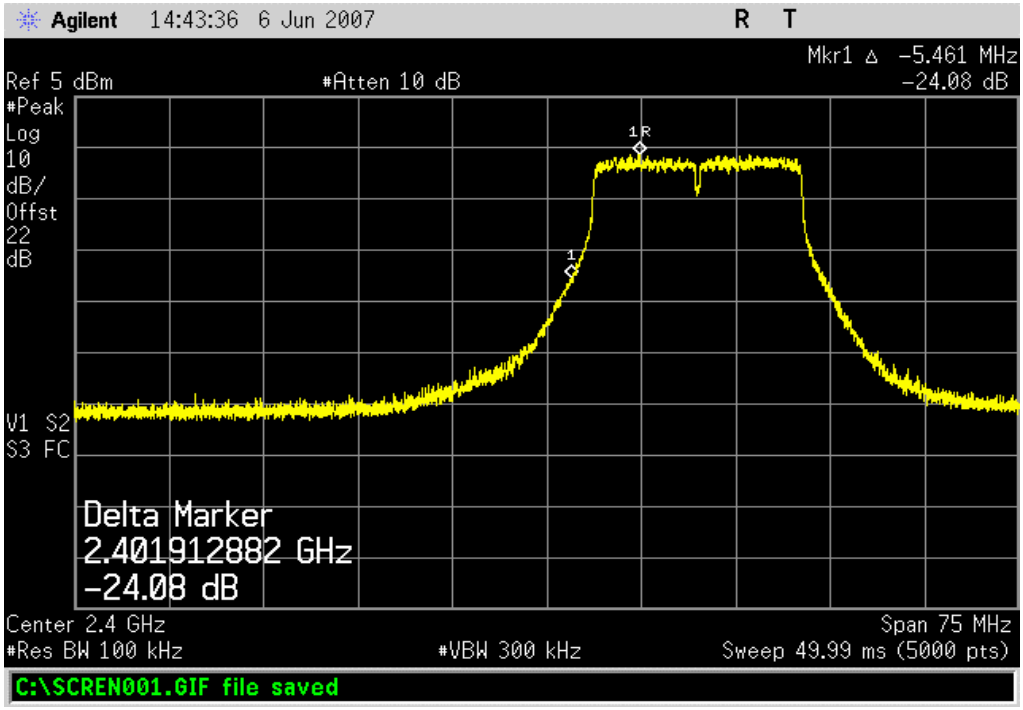
802.11(b), 11Mbps, Low channel					
Result:	Pass	**Value:**	-44.97 dBc	**Limit:**	≤ - 20 dBc



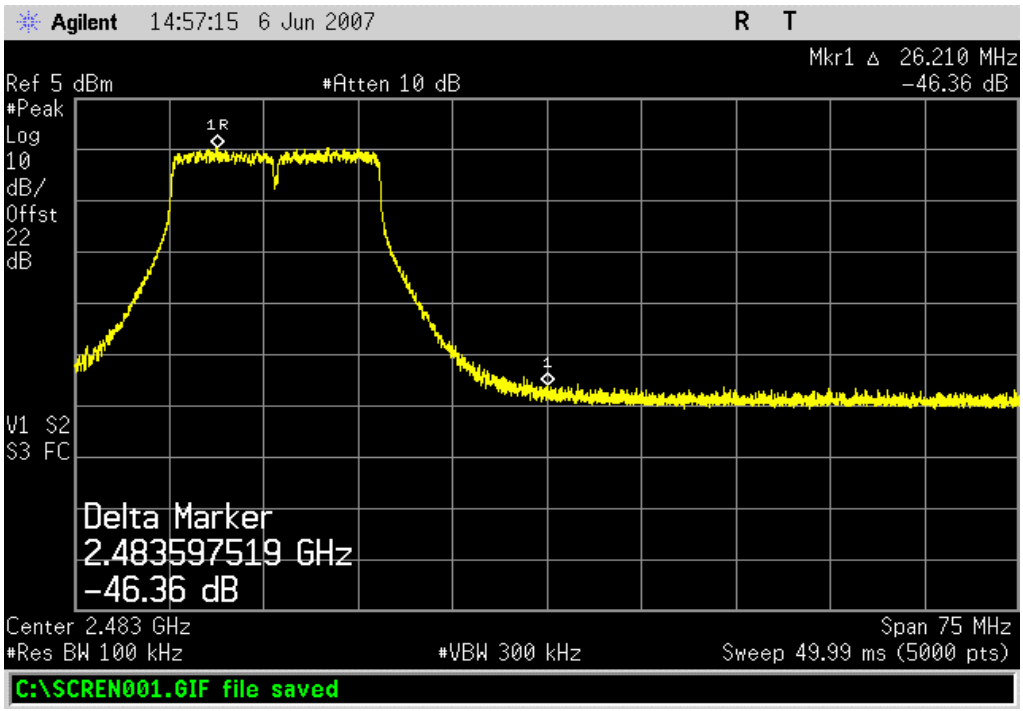
802.11(b), 11Mbps, High channel					
Result:	Pass	**Value:**	-54.08 dBc	**Limit:**	≤ - 20 dBc



802.11(g), 6Mbps, Low channel					
Result:	Pass	**Value:**	-24.08 dBc	**Limit:**	≤ - 20 dBc

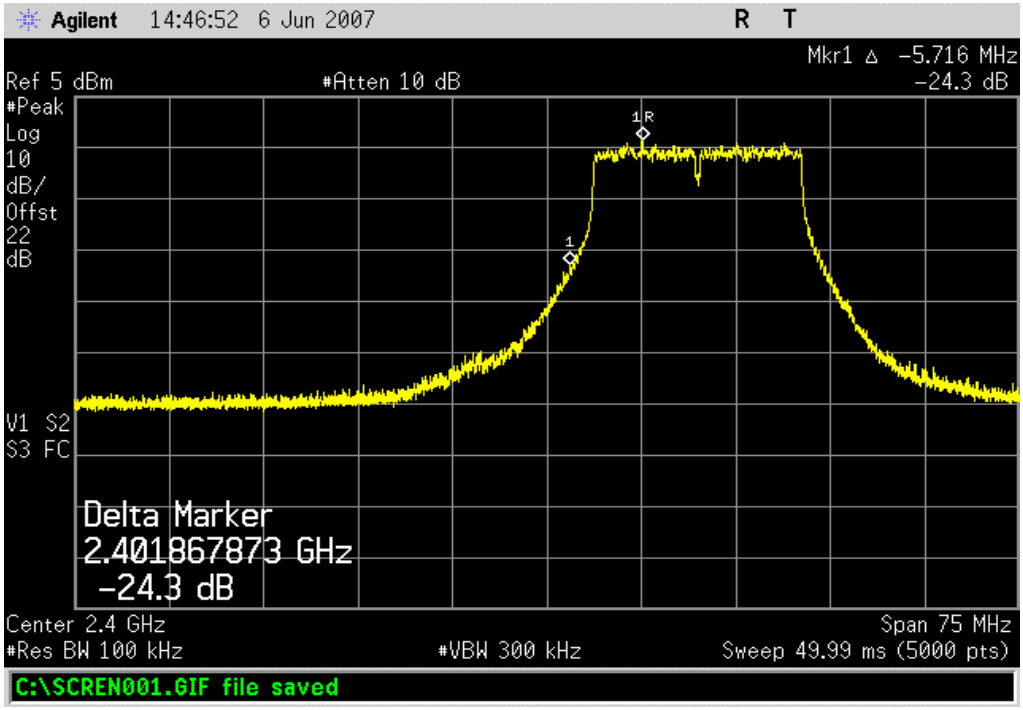


802.11(g), 6Mbps, High channel					
Result:	Pass	**Value:**	-46.36 dBc	**Limit:**	≤ - 20 dBc

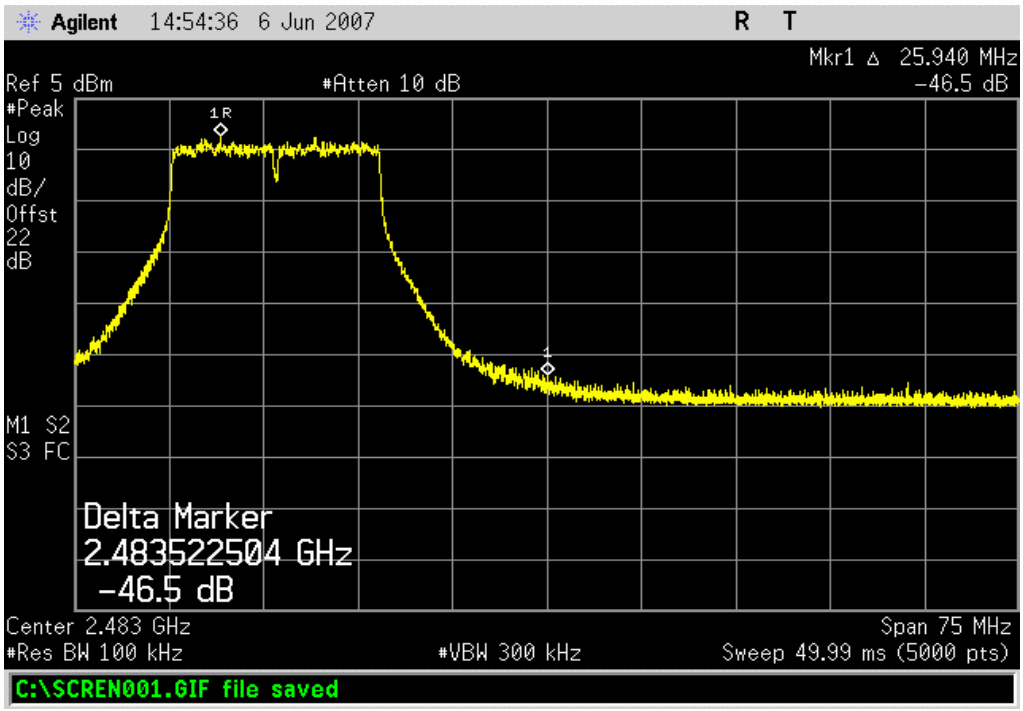


Bandedge Compliance

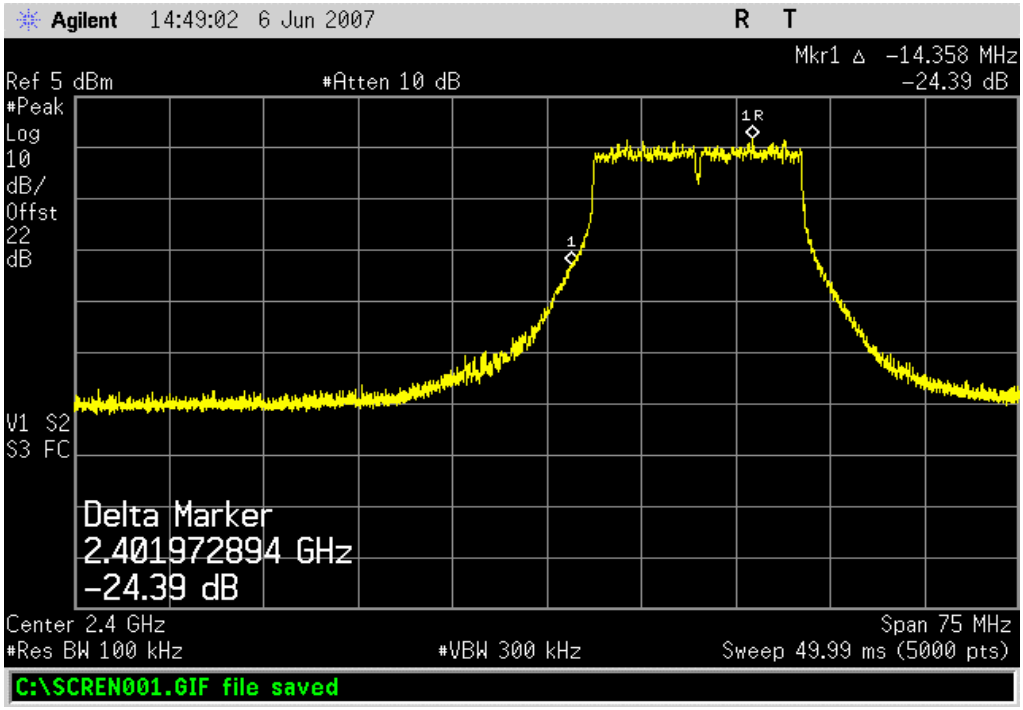
802.11(g), 36Mbps, Low channel					
Result:	Pass	**Value:**	-24.3 dBc	**Limit:**	≤ - 20 dBc



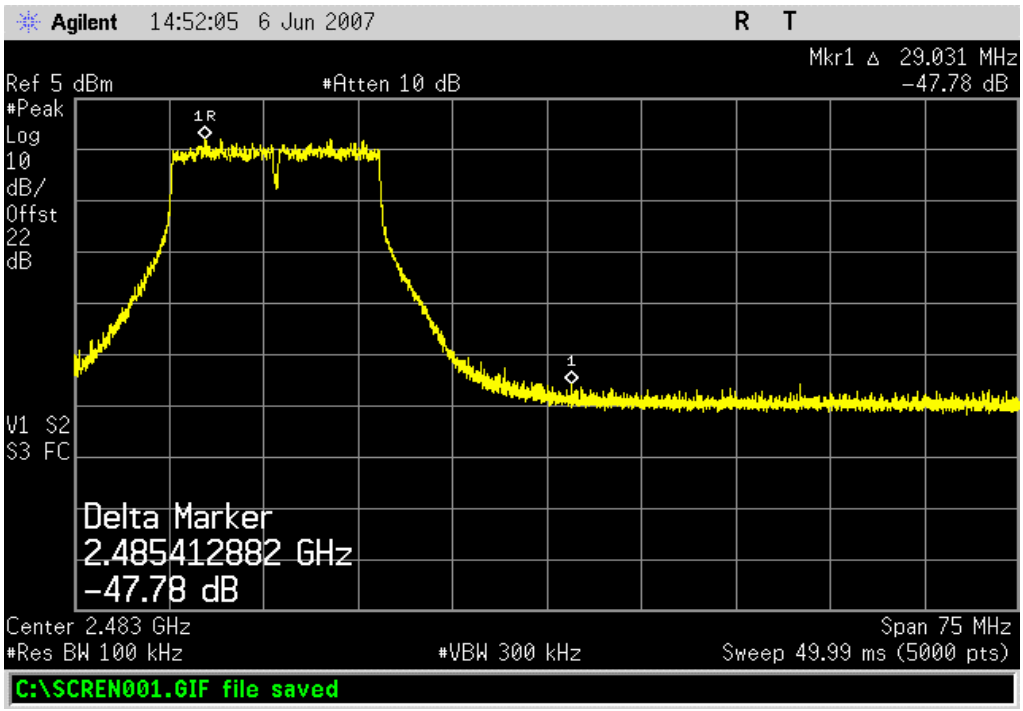
802.11(g), 36Mbps, High channel					
Result:	Pass	**Value:**	-46.5 dBc	**Limit:**	≤ - 20 dBc



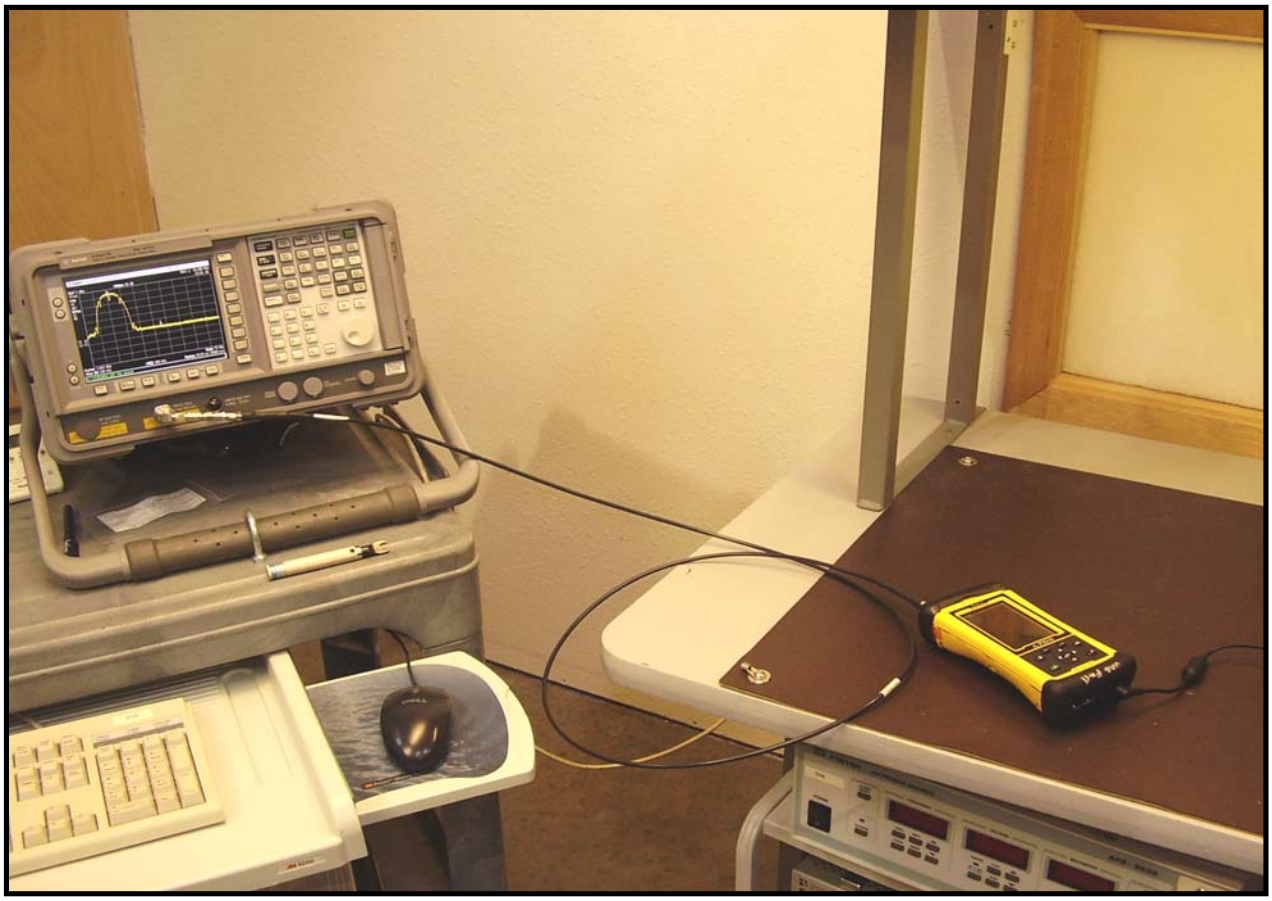
802.11(g), 54Mbps, Low channel					
Result:	Pass	**Value:**	-24.39 dBc	**Limit:**	≤ - 20 dBc



802.11(g), 54Mbps, High channel					
Result:	Pass	**Value:**	-47.78 dBc	**Limit:**	≤ - 20 dBc



Bandedge Compliance



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
Transmit mode, 802.11(b), 1 Mbps
Transmit mode, 802.11(b), 11 Mbps
Transmit mode, 802.11(g), 6 Mbps
Transmit mode, 802.11(g), 36 Mbps
Transmit mode, 802.11(g), 54 Mbps

CHANNELS INVESTIGATED
Low Channel, Channel 1, 2412 MHz
Mid Channel, Channel 6, 2437 MHz
High Channel, Channel 11, 2462 MHz
POWER SETTINGS INVESTIGATED
120VAC/60Hz

FREQUENCY RANGE INVESTIGATED			
Start Frequency	30 MHz	Stop Frequency	26 GHz

CLOCKS AND OSCILLATORS
None Provided

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
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	13
High Pass Filter	Micro-Tronics	HPM50111	HFO	12/29/2006	13
Pre-Amplifier	Miteq	AM-1616-1000	AOL	12/29/2006	13
Antenna, Biconilog	EMCO	3141	AXE	12/28/2005	24
EV01 cables c,g, h			EVA	12/29/2006	13
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	5/10/2007	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	12
EV01 cables g,h,j			EVB	5/10/2007	13
Pre-Amplifier	Miteq	AMF-4D-005180-24-10P	APC	5/10/2007	13
Antenna, Horn	EMCO	3160-08	AHK	NCR	0
EV01 Cable D			EVD	3/30/2006	15
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	3/23/2006	17
EV01 cables g,h,I			EVF	5/10/2007	13

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (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

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test 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 C63.4:2003). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

NORTHWEST EMC

SPURIOUS RADIATED EMISSIONS

PSA 2007.05.07
EMI 2006.12.20

EUT:	USI WM-G-MR-05 in Eagle	Work Order:	TRPO0034
Serial Number:	Unknown	Date:	06/24/07
Customer:	Tripod Data Systems, Inc.	Temperature:	25° C
Attendees:	None	Humidity:	31%
Project:	None	Barometric Pres.:	30.05
Tested by:	Greg Kiemel	Power: 120VAC/60Hz	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.247 (DTS):2006	ANSI C63.4:2003 KDB No. 558074

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

COMMENTS

EUT OPERATING MODES

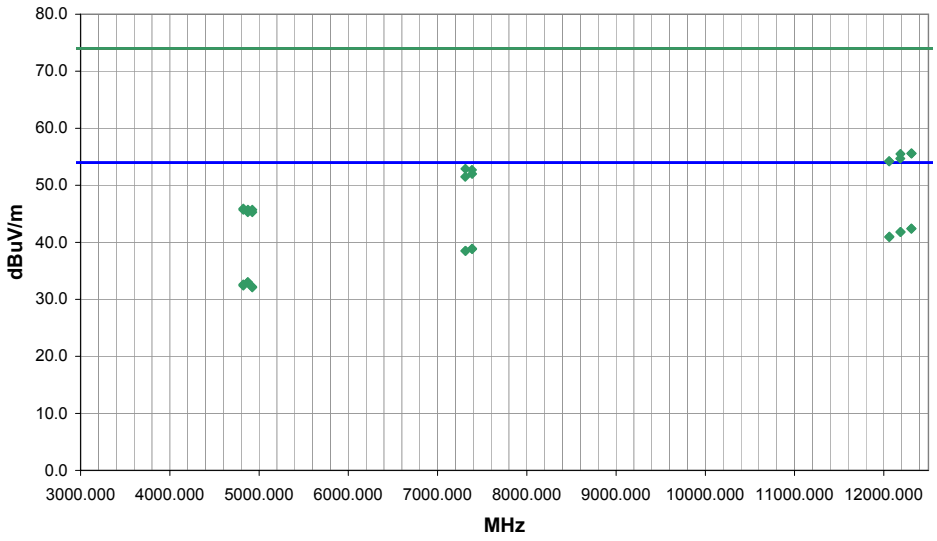
Transmit mode, 802.11

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	3
Configuration #	3
Results	Pass

Signature



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
12308.900	24.9	17.5	329.0	1.0	0.0	0.0	H-Horn	AV	0.0	42.4	54.0	-11.6	802.11b, 1Mbps, high channel
12310.700	24.9	17.5	11.0	1.0	0.0	0.0	V-Horn	AV	0.0	42.4	54.0	-11.6	802.11b, 1Mbps, high channel
12185.770	24.9	16.9	30.0	2.2	0.0	0.0	H-Horn	AV	0.0	41.8	54.0	-12.2	802.11b, 1Mbps, mid channel
12187.610	24.9	16.9	86.0	1.0	0.0	0.0	V-Horn	AV	0.0	41.8	54.0	-12.2	802.11b, 1Mbps, mid channel
12063.340	24.8	16.2	58.0	2.0	0.0	0.0	H-Horn	AV	0.0	41.0	54.0	-13.0	802.11b, 1Mbps, low channel
12060.310	24.7	16.2	321.0	1.0	0.0	0.0	V-Horn	AV	0.0	40.9	54.0	-13.1	802.11b, 1Mbps, low channel
7387.167	24.6	14.3	107.0	1.0	0.0	0.0	H-Horn	AV	0.0	38.9	54.0	-15.1	802.11b, 1Mbps, high channel
7386.087	24.5	14.3	263.0	1.0	0.0	0.0	V-Horn	AV	0.0	38.8	54.0	-15.2	802.11b, 1Mbps, high channel
7312.107	24.7	13.8	359.0	2.0	0.0	0.0	V-Horn	AV	0.0	38.5	54.0	-15.5	802.11b, 1Mbps, mid channel
7312.620	24.7	13.8	130.0	1.0	0.0	0.0	H-Horn	AV	0.0	38.5	54.0	-15.5	802.11b, 1Mbps, mid channel
12308.890	38.1	17.5	11.0	1.0	0.0	0.0	V-Horn	PK	0.0	55.6	74.0	-18.4	802.11b, 1Mbps, high channel
12311.440	38.1	17.5	329.0	1.0	0.0	0.0	H-Horn	PK	0.0	55.6	74.0	-18.4	802.11b, 1Mbps, high channel
12185.880	38.6	16.9	86.0	1.0	0.0	0.0	V-Horn	PK	0.0	55.5	74.0	-18.5	802.11b, 1Mbps, mid channel
12184.660	37.8	16.9	30.0	2.2	0.0	0.0	H-Horn	PK	0.0	54.7	74.0	-19.3	802.11b, 1Mbps, mid channel
12058.990	38.0	16.2	321.0	1.0	0.0	0.0	V-Horn	PK	0.0	54.2	74.0	-19.8	802.11b, 1Mbps, low channel
12060.470	38.0	16.2	58.0	2.0	0.0	0.0	H-Horn	PK	0.0	54.2	74.0	-19.8	802.11b, 1Mbps, low channel
4874.000	25.4	7.6	226.0	1.0	0.0	0.0	H-Horn	AV	0.0	33.0	54.0	-21.0	802.11b, 1Mbps, mid channel
4874.053	25.3	7.7	342.0	1.0	0.0	0.0	V-Horn	AV	0.0	33.0	54.0	-21.0	802.11b, 1Mbps, mid channel
7311.387	39.1	13.8	130.0	1.0	0.0	0.0	H-Horn	PK	0.0	52.9	74.0	-21.1	802.11b, 1Mbps, mid channel
7384.940	38.4	14.3	263.0	1.0	0.0	0.0	V-Horn	PK	0.0	52.7	74.0	-21.3	802.11b, 1Mbps, high channel

NORTHWEST EMC

SPURIOUS RADIATED EMISSIONS

PSA 2007.05.07
EMI 2006.12.20

EUT:	USI WM-G-MR-05 in Eagle	Work Order:	TRPO0034
Serial Number:	Unknown	Date:	06/25/07
Customer:	Tripod Data Systems, Inc.	Temperature:	25° C
Attendees:	None	Humidity:	31%
Project:	None	Barometric Pres.:	30.05
Tested by:	Rod Peloquin	Power: 120VAC/60Hz	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.247 (DTS):2006	ANSI C63.4:2003 KDB No. 558074

TEST PARAMETERS

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

COMMENTS

EUT OPERATING MODES

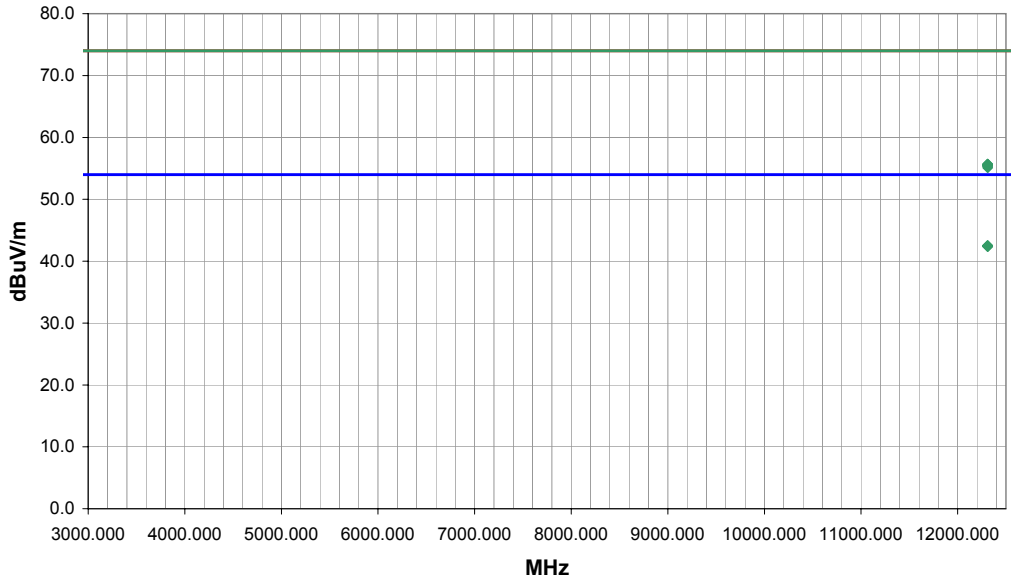
Transmit mode, 802.11

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	4
Configuration #	3
Results	Pass

Signature



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
12309.900	25.0	17.5	69.0	1.8	3.0	0.0	H-Horn	AV	0.0	42.5	54.0	-11.5	802.11(g), 6 Mbps
12310.280	25.0	17.5	69.0	1.0	3.0	0.0	V-Horn	AV	0.0	42.5	54.0	-11.5	802.11(g), 54 Mbps
12311.020	25.0	17.5	236.0	1.9	3.0	0.0	V-Horn	AV	0.0	42.5	54.0	-11.5	802.11(g), 36 Mbps
12309.110	24.9	17.5	265.0	1.0	3.0	0.0	H-Horn	AV	0.0	42.4	54.0	-11.6	802.11(b), 11 Mbps
12309.860	24.9	17.5	185.0	1.6	3.0	0.0	V-Horn	AV	0.0	42.4	54.0	-11.6	802.11(g), 6 Mbps
12310.920	24.9	17.5	190.0	1.6	3.0	0.0	V-Horn	AV	0.0	42.4	54.0	-11.6	802.11(b), 11 Mbps
12310.960	24.9	17.5	219.0	1.8	3.0	0.0	H-Horn	AV	0.0	42.4	54.0	-11.6	802.11(g), 36 Mbps
12310.970	24.9	17.5	161.0	1.5	3.0	0.0	H-Horn	AV	0.0	42.4	54.0	-11.6	802.11(g), 54 Mbps
12309.000	38.2	17.5	236.0	1.9	3.0	0.0	V-Horn	PK	0.0	55.7	74.0	-18.3	802.11(g), 36 Mbps
12310.500	38.2	17.5	161.0	1.5	3.0	0.0	H-Horn	PK	0.0	55.7	74.0	-18.3	802.11(g), 54 Mbps
12309.650	38.1	17.5	69.0	1.8	3.0	0.0	H-Horn	PK	0.0	55.6	74.0	-18.4	802.11(g), 6 Mbps
12309.030	38.0	17.5	185.0	1.6	3.0	0.0	V-Horn	PK	0.0	55.5	74.0	-18.5	802.11(g), 6 Mbps
12309.200	38.0	17.5	265.0	1.0	3.0	0.0	H-Horn	PK	0.0	55.5	74.0	-18.5	802.11(b), 11 Mbps
12310.160	37.9	17.5	219.0	1.8	3.0	0.0	H-Horn	PK	0.0	55.4	74.0	-18.6	802.11(g), 36 Mbps
12309.980	37.8	17.5	69.0	1.0	3.0	0.0	V-Horn	PK	0.0	55.3	74.0	-18.7	802.11(g), 54 Mbps
12310.680	37.6	17.5	190.0	1.6	3.0	0.0	V-Horn	PK	0.0	55.1	74.0	-18.9	802.11(b), 11 Mbps

NORTHWEST EMC

SPURIOUS RADIATED EMISSIONS

PSA 2007.05.07
EMI 2006.12.20

EUT:	USI WM-G-MR-05 in Eagle	Work Order:	TRPO0034
Serial Number:	Unknown	Date:	06/25/07
Customer:	Tripod Data Systems, Inc.	Temperature:	25° C
Attendees:	None	Humidity:	31%
Project:	None	Barometric Pres.:	30.05
Tested by:	Rod Peloquin	Power: 120VAC/60Hz	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.247 (DTS):2006	ANSI C63.4:2003 KDB No. 558074

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

COMMENTS

EUT OPERATING MODES

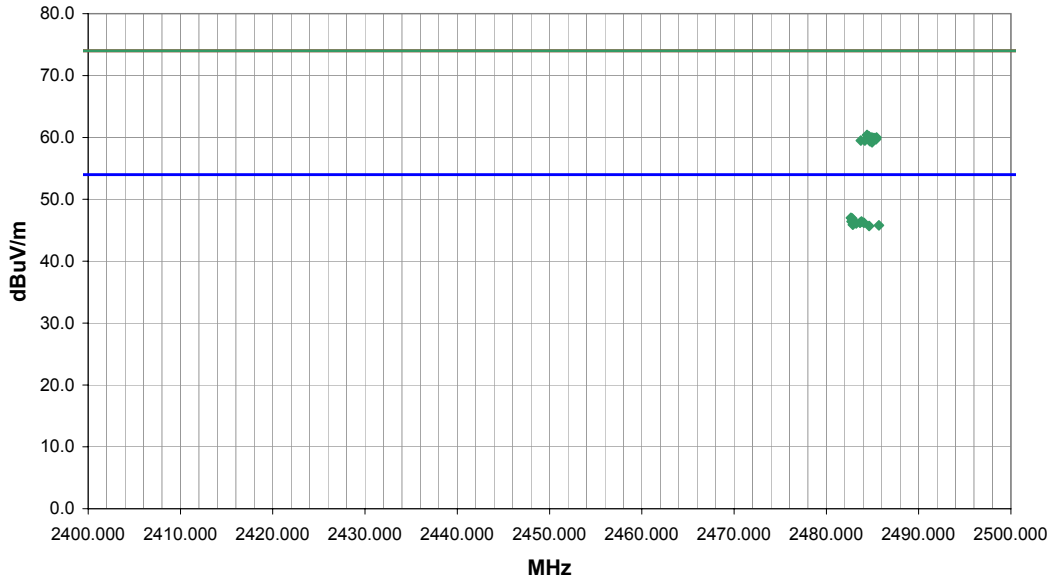
Transmit mode, 802.11

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	5
Configuration #	3
Results	Pass

Signature



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
2482.653	26.6	0.4	147.0	1.0	3.0	20.0	H-Horn	AV	0.0	47.0	54.0	-7.0	802.11(g), 36 Mbps
2482.793	26.5	0.4	142.0	1.0	3.0	20.0	H-Horn	AV	0.0	46.9	54.0	-7.1	802.11(g), 54 Mbps
2482.727	26.0	0.4	89.0	1.1	3.0	20.0	V-Horn	AV	0.0	46.4	54.0	-7.6	802.11(g), 54 Mbps
2483.813	26.0	0.4	93.0	1.1	3.0	20.0	V-Horn	AV	0.0	46.4	54.0	-7.6	802.11(g), 36 Mbps
2483.653	25.8	0.4	84.0	1.1	3.0	20.0	V-Horn	AV	0.0	46.2	54.0	-7.8	802.11(g), 6 Mbps
2484.060	25.8	0.4	138.0	1.0	3.0	20.0	H-Horn	AV	0.0	46.2	54.0	-7.8	802.11(b), 11 Mbps
2483.230	25.7	0.4	132.0	1.0	3.0	20.0	H-Horn	AV	0.0	46.1	54.0	-7.9	802.11(b), 1 Mbps
2482.860	25.5	0.4	85.0	1.1	3.0	20.0	V-Horn	AV	0.0	45.9	54.0	-8.1	802.11(b), 1 Mbps
2485.693	25.4	0.4	171.0	1.5	3.0	20.0	H-Horn	AV	0.0	45.8	54.0	-8.2	802.11(g), 6 Mbps
2484.643	25.3	0.4	352.0	1.1	3.0	20.0	V-Horn	AV	0.0	45.7	54.0	-8.3	802.11(b), 11 Mbps
2484.413	40.0	0.4	93.0	1.1	3.0	20.0	V-Horn	PK	0.0	60.4	74.0	-13.6	802.11(g), 36 Mbps
2484.607	39.8	0.4	84.0	1.1	3.0	20.0	V-Horn	PK	0.0	60.2	74.0	-13.8	802.11(g), 6 Mbps
2484.940	39.6	0.4	142.0	1.0	3.0	20.0	H-Horn	PK	0.0	60.0	74.0	-14.0	802.11(g), 54 Mbps
2485.430	39.6	0.4	132.0	1.0	3.0	20.0	H-Horn	PK	0.0	60.0	74.0	-14.0	802.11(b), 1 Mbps
2485.157	39.5	0.4	147.0	1.0	3.0	20.0	H-Horn	PK	0.0	59.9	74.0	-14.1	802.11(g), 36 Mbps
2485.380	39.3	0.4	85.0	1.1	3.0	20.0	V-Horn	PK	0.0	59.7	74.0	-14.3	802.11(b), 1 Mbps
2483.737	39.1	0.4	352.0	1.1	3.0	20.0	V-Horn	PK	0.0	59.5	74.0	-14.5	802.11(b), 11 Mbps
2484.173	39.1	0.4	89.0	1.1	3.0	20.0	V-Horn	PK	0.0	59.5	74.0	-14.5	802.11(g), 54 Mbps
2484.727	39.0	0.4	171.0	1.5	3.0	20.0	H-Horn	PK	0.0	59.4	74.0	-14.6	802.11(g), 6 Mbps
2484.943	38.8	0.4	138.0	1.0	3.0	20.0	H-Horn	PK	0.0	59.2	74.0	-14.8	802.11(b), 11 Mbps

NORTHWEST EMC

SPURIOUS RADIATED EMISSIONS

PSA 2007.05.07
EMI 2006.12.20

EUT:	USI WM-G-MR-05 in Eagle	Work Order:	TRPO0034
Serial Number:	Unknown	Date:	06/25/07
Customer:	Tripod Data Systems, Inc.	Temperature:	23° C
Attendees:	None	Humidity:	30%
Project:	None	Barometric Pres.:	30.21
Tested by:	Dan Haas	Power: 120VAC/60Hz	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.247 (DTS):2006	ANSI C63.4:2003 KDB No. 558074

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

COMMENTS

EUT Vertical.

EUT OPERATING MODES

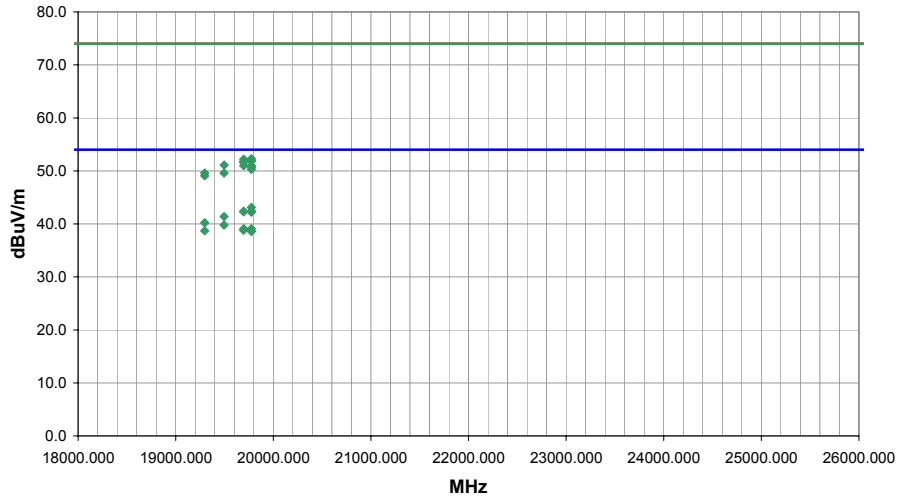
Transmit mode, 802.11

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	8
Configuration #	3
Results	Pass

Signature



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
19775.920	30.6	12.5	120.0	1.0	3.0	0.0	-High Horr	AV	0.0	43.1	54.0	-10.9	802.11(g), 6Mbps, High channel, EUT Vertical
19775.910	29.9	12.5	120.0	1.0	3.0	0.0	-High Horr	AV	0.0	42.4	54.0	-11.6	802.11(g), 36Mbps, High channel, EUT Vertical
19695.920	30.1	12.3	117.0	1.0	3.0	0.0	-High Horr	AV	0.0	42.4	54.0	-11.6	802.11(b), 1Mbps, High channel, EUT Vertical
19695.900	30.0	12.3	101.0	1.0	3.0	0.0	-High Horr	AV	0.0	42.3	54.0	-11.7	802.11(b), 11Mbps, High channel, EUT Vertical
19775.910	29.7	12.5	120.0	1.0	3.0	0.0	-High Horr	AV	0.0	42.2	54.0	-11.8	802.11(g), 54Mbps, High channel, EUT Vertical
19495.900	29.7	11.7	112.0	1.0	3.0	0.0	-High Horr	AV	0.0	41.4	54.0	-12.6	802.11(g), 6Mbps, Mid channel, EUT Vertical
19295.930	28.9	11.3	98.0	1.0	3.0	0.0	-High Horr	AV	0.0	40.2	54.0	-13.8	802.11(g), 6Mbps, Low channel, EUT Vertical
19495.890	28.1	11.7	150.0	1.0	3.0	0.0	/-High Horr	AV	0.0	39.8	54.0	-14.2	802.11(g), 6Mbps, Mid channel, EUT Vertical
19775.900	26.6	12.5	201.0	1.0	3.0	0.0	/-High Horr	AV	0.0	39.1	54.0	-14.9	802.11(g), 54Mbps, High channel, EUT Vertical
19695.910	26.8	12.3	264.0	1.0	3.0	0.0	/-High Horr	AV	0.0	39.1	54.0	-14.9	802.11(b), 1Mbps, High channel, EUT Vertical
19695.880	26.5	12.3	255.0	1.0	3.0	0.0	/-High Horr	AV	0.0	38.8	54.0	-15.2	802.11(b), 11Mbps, High channel, EUT Vertical
19295.910	27.4	11.3	151.0	1.0	3.0	0.0	/-High Horr	AV	0.0	38.7	54.0	-15.3	802.11(g), 6Mbps, Low channel, EUT Vertical
19775.870	26.1	12.5	201.0	1.0	3.0	0.0	/-High Horr	AV	0.0	38.6	54.0	-15.4	802.11(g), 6Mbps, High channel, EUT Vertical
19775.880	26.1	12.5	201.0	1.0	3.0	0.0	/-High Horr	AV	0.0	38.6	54.0	-15.4	802.11(g), 36Mbps, High channel, EUT Vertical
19775.900	39.8	12.5	120.0	1.0	3.0	0.0	-High Horr	PK	0.0	52.3	74.0	-21.7	802.11(g), 6Mbps, High channel, EUT Vertical
19696.010	39.9	12.3	117.0	1.0	3.0	0.0	-High Horr	PK	0.0	52.2	74.0	-21.8	802.11(b), 1Mbps, High channel, EUT Vertical
19775.870	39.5	12.5	120.0	1.0	3.0	0.0	-High Horr	PK	0.0	52.0	74.0	-22.0	802.11(g), 54Mbps, High channel, EUT Vertical
19695.900	39.5	12.3	101.0	1.0	3.0	0.0	-High Horr	PK	0.0	51.8	74.0	-22.2	802.11(b), 11Mbps, High channel, EUT Vertical
19775.840	39.3	12.5	120.0	1.0	3.0	0.0	-High Horr	PK	0.0	51.8	74.0	-22.2	802.11(g), 36Mbps, High channel, EUT Vertical
19696.300	39.3	12.3	255.0	1.0	3.0	0.0	/-High Horr	PK	0.0	51.6	74.0	-22.4	802.11(b), 11Mbps, High channel, EUT Vertical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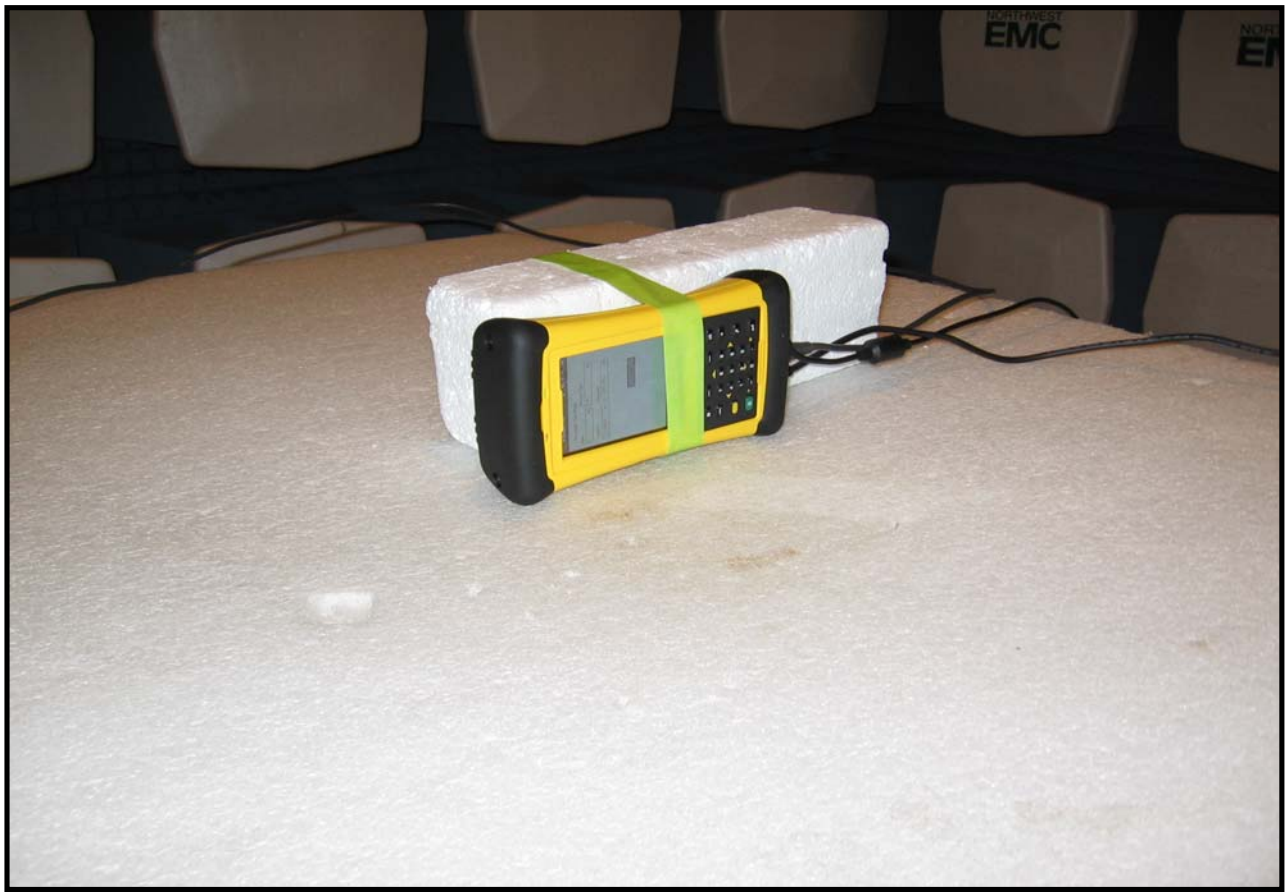
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