

NORTHWEST EMC

Masimo Corporation

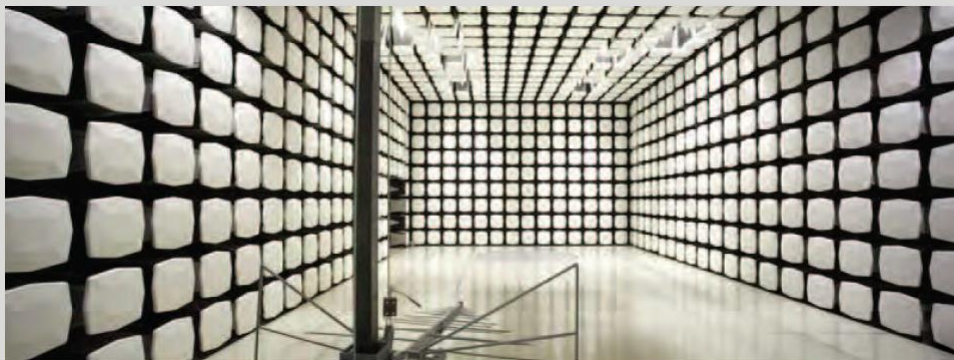
MWM1

FCC 15.207:2015

FCC 15.247:2015

802.11bg Radio

Report # MASI0274.1



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. This Report may only be duplicated in its entirety

CERTIFICATE OF TEST

Last Date of Test: August 18, 2015
Masimo Corporation
Model: MWM1

Radio Equipment Testing

Standards

Specification	Method
FCC 15.207:2015	ANSI C63.10:2013
FCC 15.247:2015	ANSI C63.10:2013

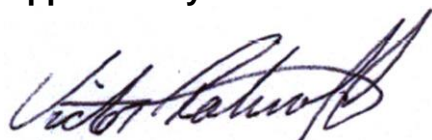
Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
6.10.4	Band Edge Compliance	Yes	Pass	
11.6	Duty Cycle	Yes	N/A	
11.8.2	Occupied Bandwidth	Yes	Pass	
11.9	Output Power	Yes	Pass	
11.10	Power Spectral Density	Yes	Pass	
11.11	Spurious Conducted Emissions	Yes	Pass	

Deviations From Test Standards

None

Approved By:



Victor Ratnoff, Operations Manager

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

REVISION HISTORY

Revision Number		Description	Date	Page Number
00		None		

ACCREDITATIONS AND AUTHORIZATIONS

United States

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

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

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

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

European Union

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

Australia/New Zealand

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

Korea

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

Japan

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

Taiwan

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

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

Singapore

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

Israel

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

Hong Kong

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

Vietnam

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

SCOPE

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

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

MEASUREMENT UNCERTAINTY

Measurement Uncertainty

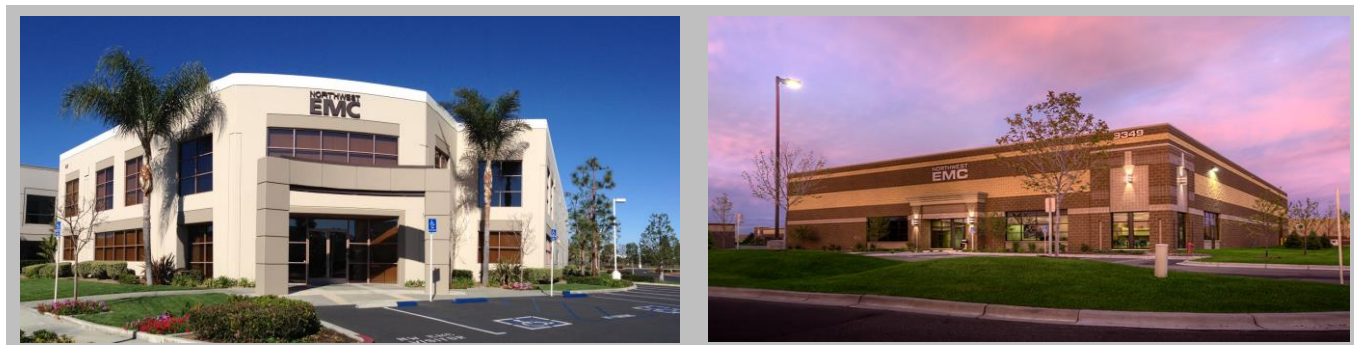
When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement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

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

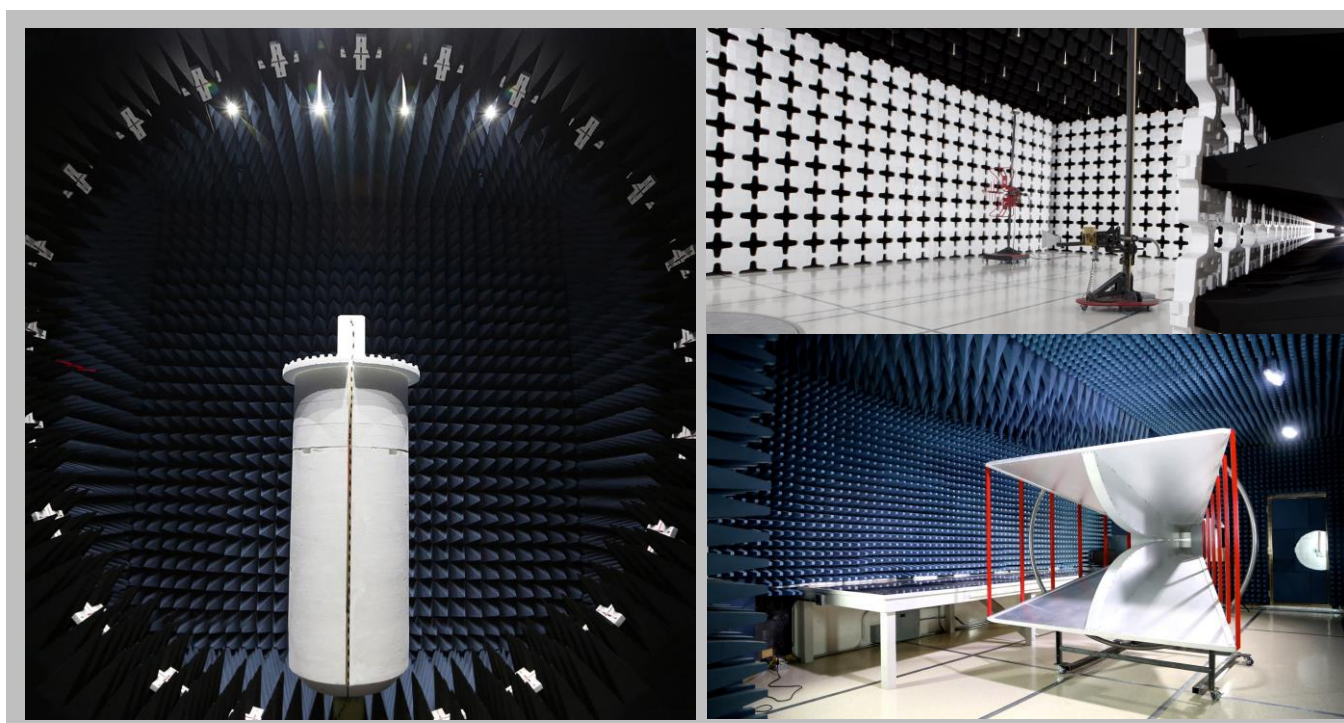
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

FACILITIES



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



PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	Masimo Corporation
Address:	40 Parker
City, State, Zip:	Irvine, CA 92618
Test Requested By:	Michael Clark
Model:	MWM1
First Date of Test:	August 07, 2015
Last Date of Test:	August 18, 2015
Receipt Date of Samples:	August 06, 2015
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Limited modular wireless radio that can be installed in multiple Masimo devices. Root is a docking station for the Radical-7 handheld monitor. RDS7A/ROOT V2 is a general floor monitor and docking station that the RAD7A/Radical 7 can dock too.
Testing Objective:
To demonstrate compliance of the 802.11 radio under FCC 15.247 for operation in the 2.4 GHz band.

CONFIGURATIONS

Configuration MASI0274- 2

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11 radio	Masimo Corporation	MWM1/Azurewave AW-AH634	36235C

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Pulse Co-Oximeter	Masimo Corporation	RAD7A	1000000349
Charging and Docking Station	Masimo Corporation	RDS-1	147484
Finger Sensor	Masimo Corporation	DCI-DC12	9J042
Laptop	HP	HSTNN-I27N	CNU7300W4L
Laptop Power Supply	HP	PPP014H-S	F3-08080097580E

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Cable	No	1.8m	No	Charging and Docking Station	AC Mains
RS 232	No	1.8m	Yes	Charging and Docking Station	Unterminated
Vue Link Cable	No	1.8m	Yes	Charging and Docking Station	Unterminated
NurseCall Cable	No	1.0m	Yes	Charging and Docking Station	Unterminated
SpO2 Cable	Yes	3.0m	No	Pulse Co-Oximeter	Finger Sensor
Ground Cable	Yes	1.8m	No	Charging and Docking Station	Ground
USB Cable	No	2.0m	No	802.11 radio	Laptop

CONFIGURATIONS

Configuration MASI0275- 1

Software/Firmware Running during test	
Description	Version
RAD7A Software	V 1.1.6.3 i-dm
putty	0.62.0.0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Wireless Radio	Masimo Corporation	MWM1	1521639422

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Pulse Co-Oximeter	Masimo Corporation	RAD7A	1000000349
Charging and Docking Station	Masimo Corporation	RDS-1	147484
Laptop	HP	HSTNN-I27N	CNU7300W4L
Laptop Power Supply	HP	PPP014H-S	F3-08080097580E

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Cable	No	1.8m	No	Charging and Docking Station	AC Mains
USB Cable	No	2.0m	No	Wireless Radio	Laptop
AC Cable	No	1.8m	No	AC Mains	Laptop Power Supply
DC Cable	No	2.0m	Yes	Laptop	Laptop Power Supply

CONFIGURATIONS

Configuration MASI0275- 2

Software/Firmware Running during test	
Description	Version
RAD7A Software	V 1.1.6.3 i-dm
putty	0.62.0.0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Wireless Radio	Masimo Corporation	MWM1	1521639422

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Pulse Co-Oximeter	Masimo Corporation	RAD7A	1000000349
Charging and Docking Station	Masimo Corporation	RDS-1	147484
Finger Sensor	Masimo Corporation	DCI-DC12	9J042
Laptop	HP	HSTNN-I27N	CNU7300W4L
Laptop Power Supply	HP	PPP014H-S	F3-08080097580E

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Cable	No	1.8m	No	Charging and Docking Station	AC Mains
RS 232	No	1.8m	Yes	Charging and Docking Station	Unterminated
Vue Link Cable	No	1.8m	Yes	Charging and Docking Station	Unterminated
Nursecall Cable	No	1.0m	Yes	Charging and Docking Station	Unterminated
Sp02 Cable	Yes	3.0m	No	Pulse Co-Oximeter	Finger Sensor
Ground Cable	Yes	1.8m	No	Charging and Docking Station	Ground
USB Cable	No	2.0m	No	Wireless Radio	Laptop
AC Cable	No	1.8m	No	AC Mains	Laptop Power Supply
DC Cable	No	2.0m	Yes	Laptop	Laptop Power Supply

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	8/7/2015	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.
2	8/12/2015	Duty Cycle	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	8/12/2015	Occupied Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	8/12/2015	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
5	8/12/2015	Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	8/12/2015	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.
7	8/12/2015	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
8	8/18/2015	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

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

MODES OF OPERATION

Operating Continuous Transmit 802.11 bg: High Channel 11 (2462 MHz)

Operating Continuous Transmit 802.11 bg: Mid Channel 6 (2437 MHz)

Operating Continuous Transmit 802.11 bg: Low Channel 1 (2412 MHz)

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MASI0275 - 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 Electronics	9252-50-24-BNC	LIA	3/4/2015	12 mo
Attenuator	Pasternack	6N10W-20	AWC	NCR	0 mo
Filter - High Pass	TTE	H97-100K-50-720B	HFP	NCR	0 mo
Cable - Conducted Cable Assembly	Northwest EMC	None	OCP	NCR	0 mo
Receiver	Rohde & Schwarz	ESCI	ARG	6/1/2015	12 mo


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

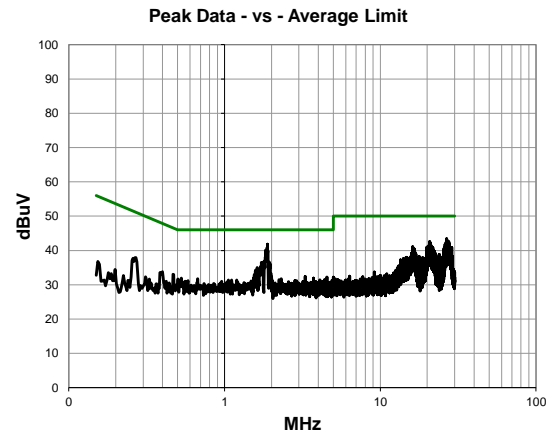
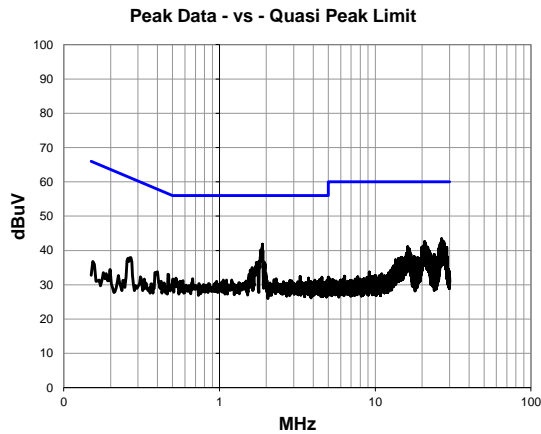
Measurements were made using the bandwidths and detectors specified. No video filter was used.

TEST DESCRIPTION

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

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
		Tested by: Mark Baytan		
EUT:	MWM1			
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: Low Channel 1 (2412 MHz)			
Deviations:	None			
Comments:	Tx Power set to 90.			

Test Specifications	Test Method						
FCC 15.247:2015	ANSI C63.10:2013						
Run #	4	Line:	High Line	Ext. Attenuation:	0	Results	Pass




Peak Data - vs - Quasi Peak Limit

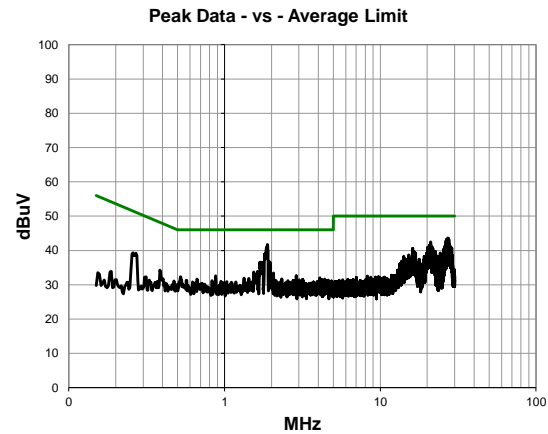
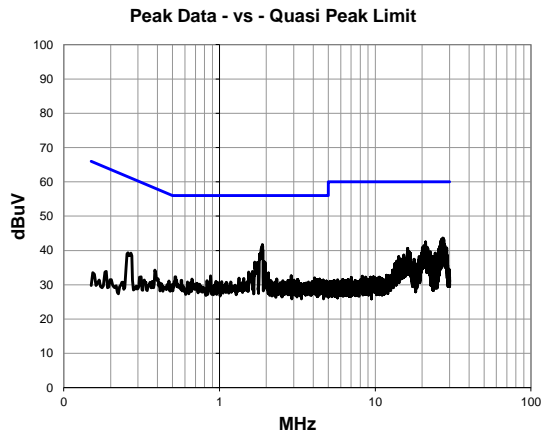
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.885	21.6	20.2	41.8	56.0	-14.2
26.635	21.7	21.7	43.4	60.0	-16.6
27.194	20.9	21.8	42.7	60.0	-17.3
20.740	21.4	21.1	42.5	60.0	-17.5
27.526	20.6	21.9	42.5	60.0	-17.5
26.370	20.6	21.7	42.3	60.0	-17.7
27.452	20.3	21.9	42.2	60.0	-17.8
20.953	21.0	21.2	42.2	60.0	-17.8
20.923	20.9	21.2	42.1	60.0	-17.9
27.657	20.1	21.9	42.0	60.0	-18.0
26.713	20.2	21.8	42.0	60.0	-18.0
27.224	20.1	21.9	42.0	60.0	-18.0
27.359	20.0	21.9	41.9	60.0	-18.1
21.069	20.7	21.2	41.9	60.0	-18.1
26.071	20.1	21.6	41.7	60.0	-18.3
26.568	20.0	21.7	41.7	60.0	-18.3
27.262	19.8	21.9	41.7	60.0	-18.3
27.679	19.6	21.9	41.5	60.0	-18.5
27.075	19.7	21.8	41.5	60.0	-18.5
26.885	19.7	21.8	41.5	60.0	-18.5
27.329	19.6	21.9	41.5	60.0	-18.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.885	21.6	20.2	41.8	46.0	-4.2
26.635	21.7	21.7	43.4	50.0	-6.6
27.194	20.9	21.8	42.7	50.0	-7.3
20.740	21.4	21.1	42.5	50.0	-7.5
27.526	20.6	21.9	42.5	50.0	-7.5
26.370	20.6	21.7	42.3	50.0	-7.7
27.452	20.3	21.9	42.2	50.0	-7.8
20.953	21.0	21.2	42.2	50.0	-7.8
20.923	20.9	21.2	42.1	50.0	-7.9
27.657	20.1	21.9	42.0	50.0	-8.0
26.713	20.2	21.8	42.0	50.0	-8.0
27.224	20.1	21.9	42.0	50.0	-8.0
27.359	20.0	21.9	41.9	50.0	-8.1
21.069	20.7	21.2	41.9	50.0	-8.1
26.071	20.1	21.6	41.7	50.0	-8.3
26.568	20.0	21.7	41.7	50.0	-8.3
27.262	19.8	21.9	41.7	50.0	-8.3
27.679	19.6	21.9	41.5	50.0	-8.5
27.075	19.7	21.8	41.5	50.0	-8.5
26.885	19.7	21.8	41.5	50.0	-8.5
27.329	19.6	21.9	41.5	50.0	-8.5

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
		Tested by: Mark Baytan		
EUT:	MWM1			
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: Low Channel 1 (2412 MHz)			
Deviations:	None			
Comments:	Tx Power set to 90.			

Test Specifications				Test Method			
FCC 15.247:2015				ANSI C63.10:2013			
Run #	5	Line:	Neutral	Ext. Attenuation:	0	Results	Pass




Peak Data - vs - Quasi Peak Limit

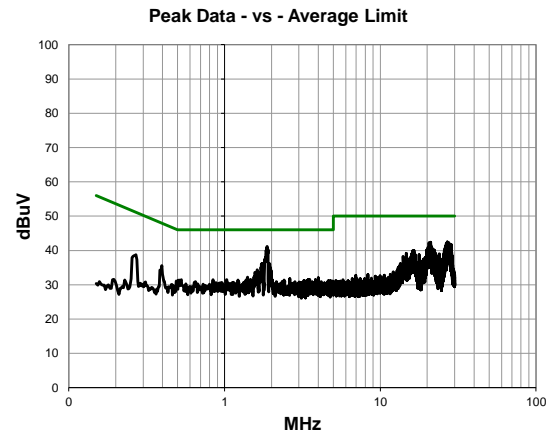
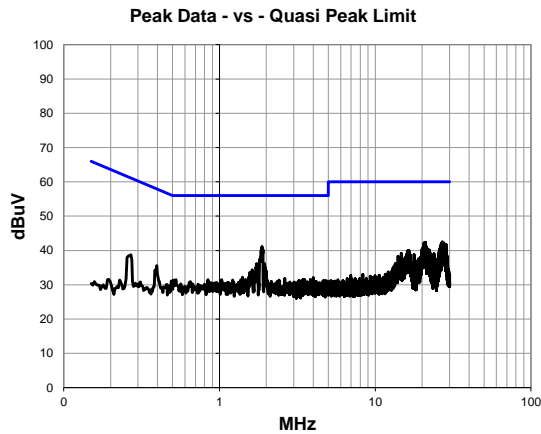
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.889	21.5	20.2	41.7	56.0	-14.3
27.150	21.8	21.8	43.6	60.0	-16.4
27.474	21.5	21.9	43.4	60.0	-16.6
27.191	21.5	21.8	43.3	60.0	-16.7
26.639	21.5	21.7	43.2	60.0	-16.8
27.519	21.2	21.9	43.1	60.0	-16.9
26.359	21.1	21.7	42.8	60.0	-17.2
27.448	20.9	21.9	42.8	60.0	-17.2
27.228	20.9	21.9	42.8	60.0	-17.2
21.087	21.3	21.2	42.5	60.0	-17.5
27.254	20.4	21.9	42.3	60.0	-17.7
26.273	20.3	21.7	42.0	60.0	-18.0
27.679	19.9	21.9	41.8	60.0	-18.2
21.020	20.6	21.2	41.8	60.0	-18.2
20.927	20.4	21.2	41.6	60.0	-18.4
27.556	19.6	21.9	41.5	60.0	-18.5
27.926	19.5	22.0	41.5	60.0	-18.5
26.810	19.7	21.8	41.5	60.0	-18.5
27.310	19.6	21.9	41.5	60.0	-18.5
26.713	19.7	21.8	41.5	60.0	-18.5
20.602	20.3	21.1	41.4	60.0	-18.6

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.889	21.5	20.2	41.7	46.0	-4.3
27.150	21.8	21.8	43.6	50.0	-6.4
27.474	21.5	21.9	43.4	50.0	-6.6
27.191	21.5	21.8	43.3	50.0	-6.7
26.639	21.5	21.7	43.2	50.0	-6.8
27.519	21.2	21.9	43.1	50.0	-6.9
26.359	21.1	21.7	42.8	50.0	-7.2
27.448	20.9	21.9	42.8	50.0	-7.2
27.228	20.9	21.9	42.8	50.0	-7.2
21.087	21.3	21.2	42.5	50.0	-7.5
27.254	20.4	21.9	42.3	50.0	-7.7
26.273	20.3	21.7	42.0	50.0	-8.0
27.679	19.9	21.9	41.8	50.0	-8.2
21.020	20.6	21.2	41.8	50.0	-8.2
20.927	20.4	21.2	41.6	50.0	-8.4
27.556	19.6	21.9	41.5	50.0	-8.5
27.926	19.5	22.0	41.5	50.0	-8.5
26.810	19.7	21.8	41.5	50.0	-8.5
27.310	19.6	21.9	41.5	50.0	-8.5
26.713	19.7	21.8	41.5	50.0	-8.5
20.602	20.3	21.1	41.4	50.0	-8.6

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
EUT:		MWM1		
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: Mid Channel 6 (2437 MHz)			
Deviations:	None			
Comments:	Tx Power set to 90.			

Test Specifications				Test Method			
FCC 15.247:2015				ANSI C63.10:2013			
Run #	6	Line:	High Line	Ext. Attenuation:	0	Results	Pass




Peak Data - vs - Quasi Peak Limit

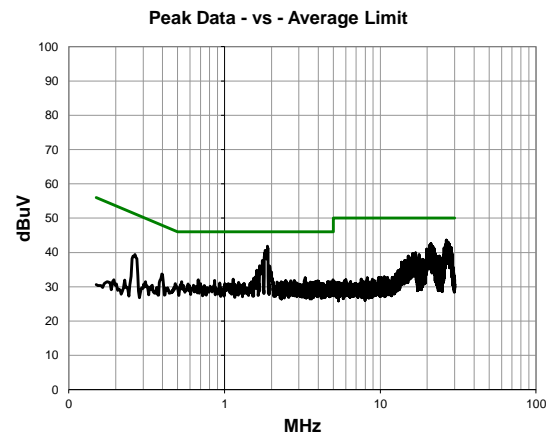
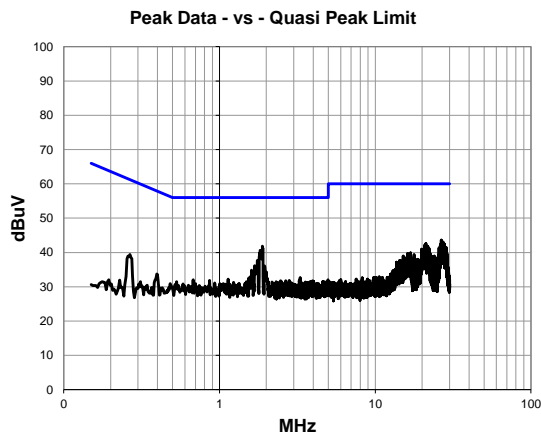
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.874	21.0	20.2	41.2	56.0	-14.8
26.915	20.7	21.8	42.5	60.0	-17.5
21.069	21.2	21.2	42.4	60.0	-17.6
20.531	21.1	21.1	42.2	60.0	-17.8
27.538	20.3	21.9	42.2	60.0	-17.8
26.575	20.3	21.7	42.0	60.0	-18.0
27.463	20.1	21.9	42.0	60.0	-18.0
26.847	20.2	21.8	42.0	60.0	-18.0
27.198	20.1	21.8	41.9	60.0	-18.1
20.949	20.7	21.2	41.9	60.0	-18.1
20.923	20.7	21.2	41.9	60.0	-18.1
27.877	19.8	22.0	41.8	60.0	-18.2
21.024	20.6	21.2	41.8	60.0	-18.2
27.224	19.9	21.9	41.8	60.0	-18.2
28.441	19.7	22.0	41.7	60.0	-18.3
26.639	19.8	21.7	41.5	60.0	-18.5
26.422	19.7	21.7	41.4	60.0	-18.6
20.636	20.1	21.1	41.2	60.0	-18.8
27.377	19.3	21.9	41.2	60.0	-18.8
26.777	19.4	21.8	41.2	60.0	-18.8
21.225	19.9	21.2	41.1	60.0	-18.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.874	21.0	20.2	41.2	46.0	-4.8
26.915	20.7	21.8	42.5	50.0	-7.5
21.069	21.2	21.2	42.4	50.0	-7.6
20.531	21.1	21.1	42.2	50.0	-7.8
27.538	20.3	21.9	42.2	50.0	-7.8
26.575	20.3	21.7	42.0	50.0	-8.0
27.463	20.1	21.9	42.0	50.0	-8.0
26.847	20.2	21.8	42.0	50.0	-8.0
27.198	20.1	21.8	41.9	50.0	-8.1
20.949	20.7	21.2	41.9	50.0	-8.1
20.923	20.7	21.2	41.9	50.0	-8.1
27.877	19.8	22.0	41.8	50.0	-8.2
21.024	20.6	21.2	41.8	50.0	-8.2
27.224	19.9	21.9	41.8	50.0	-8.2
28.441	19.7	22.0	41.7	50.0	-8.3
26.639	19.8	21.7	41.5	50.0	-8.5
26.422	19.7	21.7	41.4	50.0	-8.6
20.636	20.1	21.1	41.2	50.0	-8.8
27.377	19.3	21.9	41.2	50.0	-8.8
26.777	19.4	21.8	41.2	50.0	-8.8
21.225	19.9	21.2	41.1	50.0	-8.9

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
EUT:		MWM1		
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: Mid Channel 6 (2437 MHz)			
Deviations:	None			
Comments:	Tx Power set to 90.			

Test Specifications	Test Method						
FCC 15.247:2015	ANSI C63.10:2013						
Run #	7	Line:	Neutral	Ext. Attenuation:	0	Results	Pass




Peak Data - vs - Quasi Peak Limit

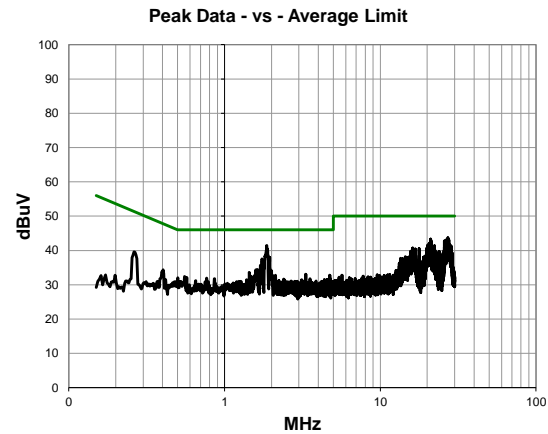
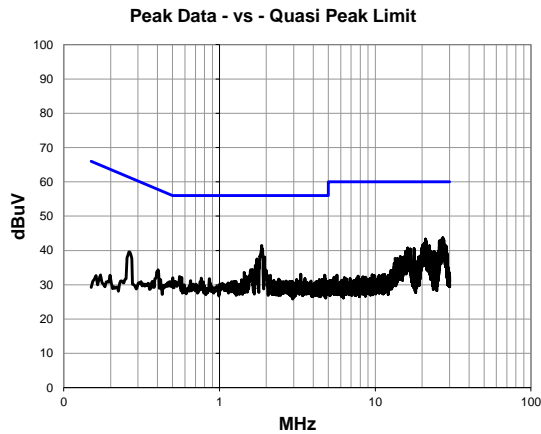
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.889	21.6	20.2	41.8	56.0	-14.2
26.568	21.9	21.7	43.6	60.0	-16.4
27.194	21.2	21.8	43.0	60.0	-17.0
27.280	21.0	21.9	42.9	60.0	-17.1
26.926	21.0	21.8	42.8	60.0	-17.2
27.221	20.9	21.9	42.8	60.0	-17.2
26.847	20.8	21.8	42.6	60.0	-17.4
21.158	21.4	21.2	42.6	60.0	-17.4
26.639	20.8	21.7	42.5	60.0	-17.5
26.351	20.8	21.7	42.5	60.0	-17.5
27.747	20.5	21.9	42.4	60.0	-17.6
27.814	20.4	22.0	42.4	60.0	-17.6
26.706	20.6	21.8	42.4	60.0	-17.6
27.519	20.3	21.9	42.2	60.0	-17.8
26.777	20.4	21.8	42.2	60.0	-17.8
21.020	21.0	21.2	42.2	60.0	-17.8
20.878	21.0	21.1	42.1	60.0	-17.9
20.703	20.9	21.1	42.0	60.0	-18.0
26.198	20.3	21.7	42.0	60.0	-18.0
26.124	20.3	21.7	42.0	60.0	-18.0
27.120	20.1	21.8	41.9	60.0	-18.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.889	21.6	20.2	41.8	46.0	-4.2
26.568	21.9	21.7	43.6	50.0	-6.4
27.194	21.2	21.8	43.0	50.0	-7.0
27.280	21.0	21.9	42.9	50.0	-7.1
26.926	21.0	21.8	42.8	50.0	-7.2
27.221	20.9	21.9	42.8	50.0	-7.2
26.847	20.8	21.8	42.6	50.0	-7.4
21.158	21.4	21.2	42.6	50.0	-7.4
26.639	20.8	21.7	42.5	50.0	-7.5
26.351	20.8	21.7	42.5	50.0	-7.5
27.747	20.5	21.9	42.4	50.0	-7.6
27.814	20.4	22.0	42.4	50.0	-7.6
26.706	20.6	21.8	42.4	50.0	-7.6
27.519	20.3	21.9	42.2	50.0	-7.8
26.777	20.4	21.8	42.2	50.0	-7.8
21.020	21.0	21.2	42.2	50.0	-7.8
20.878	21.0	21.1	42.1	50.0	-7.9
20.703	20.9	21.1	42.0	50.0	-8.0
26.198	20.3	21.7	42.0	50.0	-8.0
26.124	20.3	21.7	42.0	50.0	-8.0
27.120	20.1	21.8	41.9	50.0	-8.1

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
		Tested by: Mark Baytan		
EUT:	MWM1			
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: High Channel 11 (2462 MHz)			
Deviations:	None			
Comments:	Tx Power set to 90.			

Test Specifications				Test Method			
FCC 15.247:2015				ANSI C63.10:2013			
Run #	8	Line:	High Line	Ext. Attenuation:	0	Results	Pass




Peak Data - vs - Quasi Peak Limit

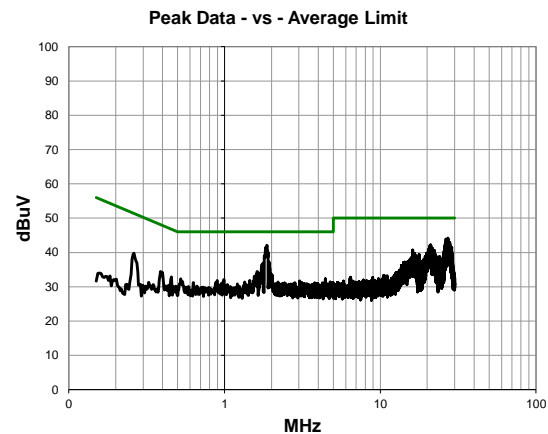
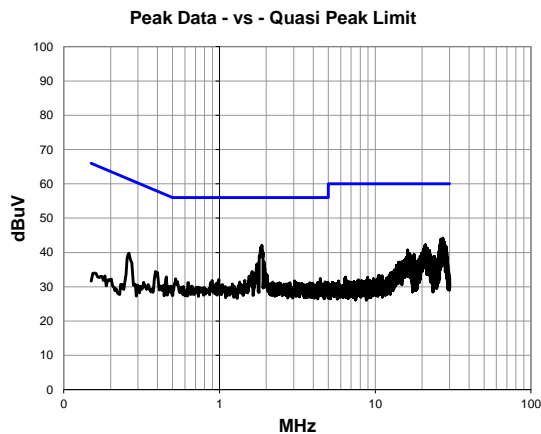
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.866	21.3	20.2	41.5	56.0	-14.5
27.194	21.8	21.8	43.6	60.0	-16.4
21.020	22.2	21.2	43.4	60.0	-16.6
26.706	21.4	21.8	43.2	60.0	-16.8
27.541	21.1	21.9	43.0	60.0	-17.0
27.471	21.1	21.9	43.0	60.0	-17.0
26.586	21.2	21.7	42.9	60.0	-17.1
26.381	21.2	21.7	42.9	60.0	-17.1
26.280	21.2	21.7	42.9	60.0	-17.1
21.139	21.7	21.2	42.9	60.0	-17.1
25.833	21.2	21.6	42.8	60.0	-17.2
27.366	20.8	21.9	42.7	60.0	-17.3
21.065	21.4	21.2	42.6	60.0	-17.4
20.949	21.3	21.2	42.5	60.0	-17.5
26.154	20.7	21.7	42.4	60.0	-17.6
26.799	20.5	21.8	42.3	60.0	-17.7
27.008	20.4	21.8	42.2	60.0	-17.8
20.707	21.0	21.1	42.1	60.0	-17.9
26.083	20.4	21.6	42.0	60.0	-18.0
20.669	20.9	21.1	42.0	60.0	-18.0
1.948	17.8	20.2	38.0	56.0	-18.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.866	21.3	20.2	41.5	46.0	-4.5
27.194	21.8	21.8	43.6	50.0	-6.4
21.020	22.2	21.2	43.4	50.0	-6.6
26.706	21.4	21.8	43.2	50.0	-6.8
27.541	21.1	21.9	43.0	50.0	-7.0
27.471	21.1	21.9	43.0	50.0	-7.0
26.586	21.2	21.7	42.9	50.0	-7.1
26.381	21.2	21.7	42.9	50.0	-7.1
26.280	21.2	21.7	42.9	50.0	-7.1
21.139	21.7	21.2	42.9	50.0	-7.1
25.833	21.2	21.6	42.8	50.0	-7.2
27.366	20.8	21.9	42.7	50.0	-7.3
21.065	21.4	21.2	42.6	50.0	-7.4
20.949	21.3	21.2	42.5	50.0	-7.5
26.154	20.7	21.7	42.4	50.0	-7.6
26.799	20.5	21.8	42.3	50.0	-7.7
27.008	20.4	21.8	42.2	50.0	-7.8
20.707	21.0	21.1	42.1	50.0	-7.9
26.083	20.4	21.6	42.0	50.0	-8.0
20.669	20.9	21.1	42.0	50.0	-8.0
1.948	17.8	20.2	38.0	46.0	-8.0

Work Order:	MASI0275	Date:	08/18/15	
Project:	None	Temperature:	23.9 °C	
Job Site:	OC06	Humidity:	44.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1011 mbar	
EUT:		MWM1		
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Operating Continuous Transmit 802.11 bg: High Channel 11 (2462 MHz)			
Deviations:	None			
Comments:	iol			

Test Specifications				Test Method			
FCC 15.247:2015				ANSI C63.10:2013			
Run #	9	Line:	Neutral	Ext. Attenuation:	0	Results	Pass



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.870	21.9	20.2	42.1	56.0	-13.9
27.191	22.3	21.8	44.1	60.0	-15.9
26.359	22.2	21.7	43.9	60.0	-16.1
27.332	21.6	21.9	43.5	60.0	-16.5
26.642	21.3	21.7	43.0	60.0	-17.0
27.657	21.1	21.9	43.0	60.0	-17.0
27.474	21.0	21.9	42.9	60.0	-17.1
27.881	20.9	22.0	42.9	60.0	-17.1
26.426	21.1	21.7	42.8	60.0	-17.2
26.150	21.1	21.7	42.8	60.0	-17.2
26.702	20.9	21.8	42.7	60.0	-17.3
26.847	20.8	21.8	42.6	60.0	-17.4
27.209	20.7	21.9	42.6	60.0	-17.4
26.568	20.7	21.7	42.4	60.0	-17.6
27.165	20.5	21.8	42.3	60.0	-17.7
26.937	20.5	21.8	42.3	60.0	-17.7
27.515	20.3	21.9	42.2	60.0	-17.8
21.087	21.0	21.2	42.2	60.0	-17.8
20.998	21.0	21.2	42.2	60.0	-17.8
26.012	20.5	21.6	42.1	60.0	-17.9
26.493	20.4	21.7	42.1	60.0	-17.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
1.870	21.9	20.2	42.1	46.0	-3.9
27.191	22.3	21.8	44.1	50.0	-5.9
26.359	22.2	21.7	43.9	50.0	-6.1
27.332	21.6	21.9	43.5	50.0	-6.5
26.642	21.3	21.7	43.0	50.0	-7.0
27.657	21.1	21.9	43.0	50.0	-7.0
27.474	21.0	21.9	42.9	50.0	-7.1
27.881	20.9	22.0	42.9	50.0	-7.1
26.426	21.1	21.7	42.8	50.0	-7.2
26.150	21.1	21.7	42.8	50.0	-7.2
26.702	20.9	21.8	42.7	50.0	-7.3
26.847	20.8	21.8	42.6	50.0	-7.4
27.209	20.7	21.9	42.6	50.0	-7.4
26.568	20.7	21.7	42.4	50.0	-7.6
27.165	20.5	21.8	42.3	50.0	-7.7
26.937	20.5	21.8	42.3	50.0	-7.7
27.515	20.3	21.9	42.2	50.0	-7.8
21.087	21.0	21.2	42.2	50.0	-7.8
20.998	21.0	21.2	42.2	50.0	-7.8
26.012	20.5	21.6	42.1	50.0	-7.9
26.493	20.4	21.7	42.1	50.0	-7.9

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

Continuous Transmit 802.11bg: Low Channel 1 (2412 MHz) & High Channel 11 (2462 MHz)

Continuous Transmit 802.11bg: Low Channel 1 (2412 MHz), Mid Channel 6 (2437 MHz), High Channel 11 (2462 MHz)

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MASI0274 - 2

FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz

Stop Frequency 26 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
Low Pass Filter, 0 - 1000 MHz	Micro-Tronics	LPM50004	LFC	11/14/2014	12 mo
Attenuator, 20db, 'SMA'	Weinschel Corp	4H-20	AWB	3/5/2015	12 mo
High Pass Filter, 2.8 - 18 GHz	Micro-Tronics	HPM50111	HGC	3/5/2015	12 mo
Cable	D-Coax	None	OC4	12/16/2014	12 mo
Pre-Amplifier	Miteq	SDWK42-18004000-60-5P-H	PAN	12/16/2014	12 mo
Antenna, Double Ridge Guide Horn	A.H. Systems, Inc.	SAS-574	AXV	4/9/2014	24 mo
OC Floating Cable	Northwest EMC	18-26GHz RE Cables	OCK	2/27/2015	12 mo
OC07 Cables	ESM Cable Corp.	8-18GHz cables	OCY	5/28/2015	12 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVP	9/15/2014	12 mo
Antenna, Horn	EMCO	3160-08	AHK	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVL	9/15/2014	12 mo
Antenna, Horn	ETS Lindgren	3160-07	AHX	NCR	0 mo
OC07 Cables	ESM Cable Corp.	1-8GHz cables	OCX	5/28/2015	12 mo
Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVJ	9/15/2014	12 mo
Antenna, Horn (DRG)	ETS Lindgren	3115	AIR	6/4/2014	24 mo
OC07 Cables	ESM Cable Corp.	30-1GHz cables	OCW	6/23/2015	12 mo
Pre-Amplifier	Miteq	AM-1402	AOZ	6/23/2015	12 mo
Antenna, Biconilog	EMCO	3142	AXA	11/25/2013	24 mo
Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12 mo

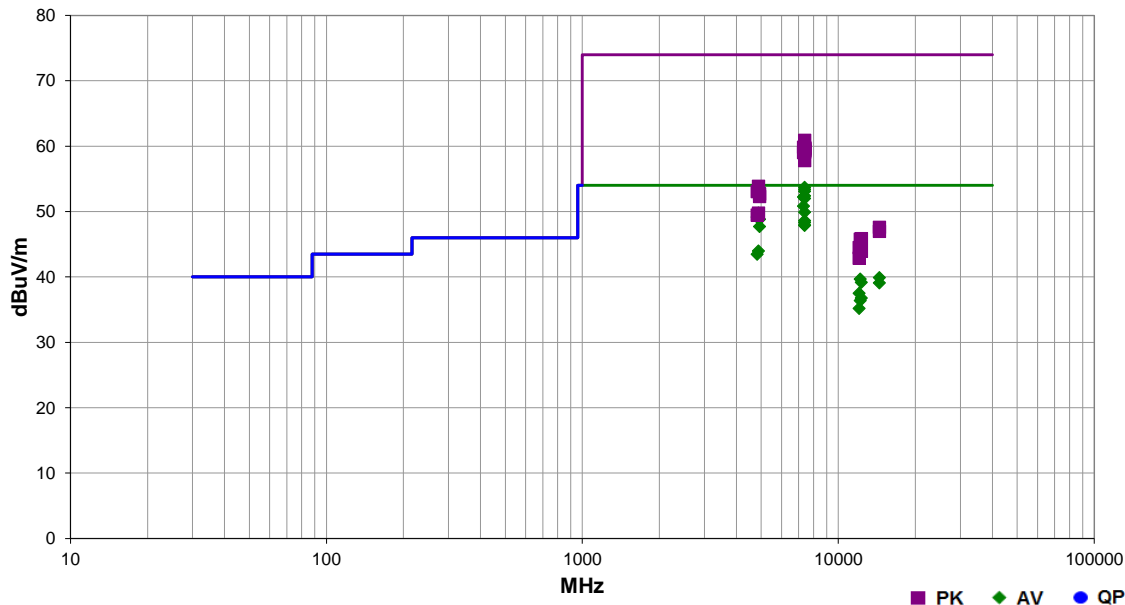
TEST DESCRIPTION

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

Work Order:	MASI0274	Date:	08/07/15	
Project:	None	Temperature:	21.4 °C	
Job Site:	OC07	Humidity:	47.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1012.6 mbar	
EUT:		BCM4334 802.11abg/BT radio		
Configuration: 2				
Customer: Masimo Corporation				
Attendees: None				
EUT Power: 110VAC/60Hz				
Operating Mode: Continuous Transmit 802.11bg: Low Channel 1 (2412 MHz), Mid Channel 6 (2437 MHz), High Channel 11 (2462 MHz)				
Deviations: None				
Comments: TX Power = 75				


Test Specifications	Test Method
FCC 15.247:2015	ANSI C63.10:2013

Run #	30	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	Results	Pass
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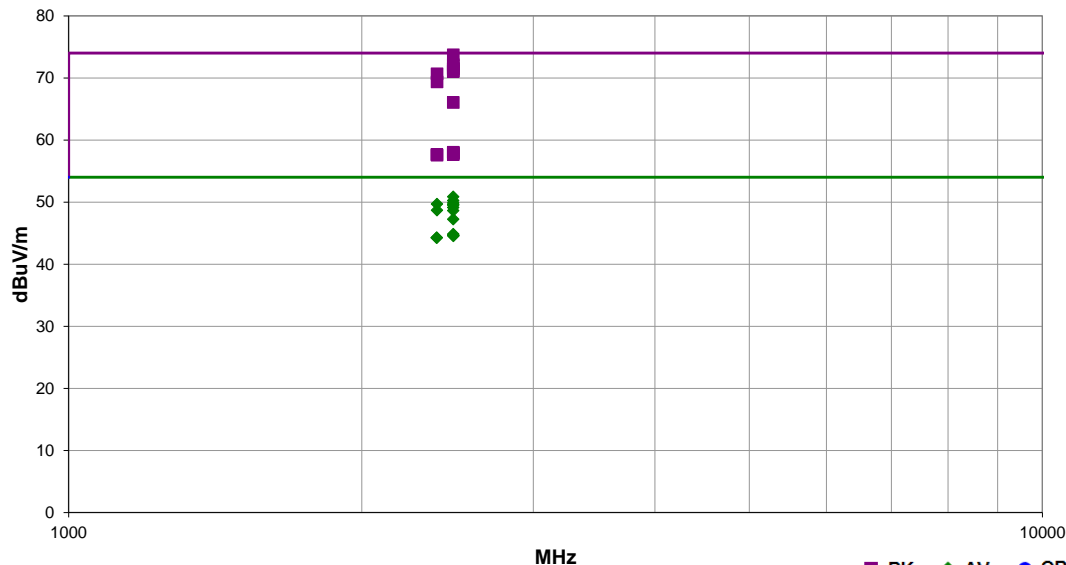


Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7386.817	40.5	13.2	1.2	265.0	3.0	0.0	Horz	AV	0.0	53.7	54.0	-0.3	EUT Horz, High Ch, 1Mbps
7386.842	40.2	13.2	1.1	276.0	3.0	0.0	Horz	AV	0.0	53.4	54.0	-0.6	EUT on Side, High Ch, 1Mbps
7385.158	39.9	13.2	1.7	272.0	3.0	0.0	Vert	AV	0.0	53.1	54.0	-0.9	EUT Horz, High Ch, 1Mbps
7385.058	39.2	13.2	1.2	242.0	3.0	0.0	Vert	AV	0.0	52.4	54.0	-1.6	EUT on Side, High Ch, 1Mbps
7310.067	39.3	12.9	1.1	281.0	3.0	0.0	Horz	AV	0.0	52.2	54.0	-1.8	EUT Horz, Mid Ch, 1Mbps
7386.992	38.8	13.2	1.2	240.0	3.0	0.0	Horz	AV	0.0	52.0	54.0	-2.0	EUT Vert, High Ch, 1Mbps
7311.850	37.9	12.9	1.2	280.0	3.0	0.0	Vert	AV	0.0	50.8	54.0	-3.2	EUT Horz, Mid Ch, 1Mbps
7386.958	36.7	13.2	1.2	274.0	3.0	0.0	Horz	AV	0.0	49.9	54.0	-4.1	EUT Horz, High Ch, 11Mbps
4873.942	44.7	5.1	1.5	166.0	3.0	0.0	Horz	AV	0.0	49.8	54.0	-4.2	EUT Horz, Mid Ch, 1Mbps
4823.958	44.3	4.8	1.6	168.0	3.0	0.0	Horz	AV	0.0	49.1	54.0	-4.9	EUT Horz, Low Ch, 1Mbps
4923.950	43.5	5.3	1.8	162.0	3.0	0.0	Horz	AV	0.0	48.8	54.0	-5.2	EUT Horz, High Ch, 1Mbps
7385.033	35.4	13.2	1.2	232.0	3.0	0.0	Vert	AV	0.0	48.6	54.0	-5.4	EUT Vert, High Ch, 1Mbps
7388.167	35.1	13.2	1.2	274.0	3.0	0.0	Horz	AV	0.0	48.3	54.0	-5.7	EUT Horz, High Ch, 6Mbps
7388.175	34.7	13.2	1.2	274.0	3.0	0.0	Horz	AV	0.0	47.9	54.0	-6.1	EUT Horz, High Ch, 36Mbps
7386.117	34.7	13.2	1.2	274.0	3.0	0.0	Horz	AV	0.0	47.9	54.0	-6.1	EUT Horz, High Ch, 54Mbps
4923.992	42.4	5.3	1.9	195.0	3.0	0.0	Vert	AV	0.0	47.7	54.0	-6.3	EUT Horz, High Ch, 1Mbps
4873.975	38.9	5.1	1.2	277.0	3.0	0.0	Vert	AV	0.0	44.0	54.0	-10.0	EUT Horz, Mid Ch, 1Mbps
4823.950	38.6	4.8	3.0	247.0	3.0	0.0	Vert	AV	0.0	43.4	54.0	-10.6	EUT Horz, Low Ch, 1Mbps
7385.525	47.7	13.2	1.2	274.0	3.0	0.0	Horz	PK	0.0	60.9	74.0	-13.1	EUT Horz, High Ch, 11Mbps
14471.810	37.2	2.7	2.7	170.0	3.0	0.0	Vert	AV	0.0	39.9	54.0	-14.1	EUT Horz, Low Ch, 1Mbps
7309.717	46.9	12.9	1.1	281.0	3.0	0.0	Horz	PK	0.0	59.8	74.0	-14.2	EUT Horz, Mid Ch, 1Mbps
7384.525	46.6	13.2	1.2	264.0	3.0	0.0	Horz	PK	0.0	59.8	74.0	-14.2	EUT Horz, High Ch, 1Mbps
7386.417	46.5	13.2	1.2	274.0	3.0	0.0	Horz	PK	0.0	59.7	74.0	-14.3	EUT Horz, Low Ch, 36Mbps
7385.908	46.5	13.2	1.1	276.0	3.0	0.0	Horz	PK	0.0	59.7	74.0	-14.3	EUT on Side, High Ch, 1Mbps
12185.990	45.8	-6.1	1.4	225.0	3.0	0.0	Vert	AV	0.0	39.7	54.0	-14.3	EUT Horz, Mid Ch, 1Mbps
7386.125	46.4	13.2	1.2	274.0	3.0	0.0	Horz	PK	0.0	59.6	74.0	-14.4	EUT Horz, High Ch, 54Mbps
7386.192	46.3	13.2	1.2	274.0	3.0	0.0	Horz	PK	0.0	59.5	74.0	-14.5	EUT Horz, High Ch, 6Mbps

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
7387.433	46.1	13.2	1.2	240.0	3.0	0.0	Horz	PK	0.0	59.3	74.0	-14.7	EUT Vert, High Ch, 1Mbps
7384.700	46.1	13.2	1.2	242.0	3.0	0.0	Vert	PK	0.0	59.3	74.0	-14.7	EUT on Side, High Ch, 1Mbps
12310.810	44.6	-5.4	1.4	217.0	3.0	0.0	Vert	AV	0.0	39.2	54.0	-14.8	EUT Horz, High Ch, 1Mbps
7385.733	45.9	13.2	1.7	271.0	3.0	0.0	Vert	PK	0.0	59.1	74.0	-14.9	EUT Horz, High Ch, 1Mbps
14471.830	36.4	2.7	2.9	177.0	3.0	0.0	Horz	AV	0.0	39.1	54.0	-14.9	EUT Horz, Low Ch, 1Mbps
7310.775	46.1	12.9	1.2	280.0	3.0	0.0	Vert	PK	0.0	59.0	74.0	-15.0	EUT Horz, Mid Ch, 1Mbps
7385.792	44.6	13.2	1.2	232.0	3.0	0.0	Vert	PK	0.0	57.8	74.0	-16.2	EUT Vert, High Ch, 1Mbps
12060.860	44.3	-6.8	2.5	226.0	3.0	0.0	Vert	AV	0.0	37.5	54.0	-16.5	EUT Horz, Low Ch, 1Mbps
12310.880	42.2	-5.4	1.1	89.0	3.0	0.0	Horz	AV	0.0	36.8	54.0	-17.2	EUT Horz, High Ch, 1Mbps
12185.820	42.5	-6.1	1.1	274.0	3.0	0.0	Horz	AV	0.0	36.4	54.0	-17.6	EUT Horz, Mid Ch, 1Mbps
12060.880	42.0	-6.8	3.4	203.0	3.0	0.0	Horz	AV	0.0	35.2	54.0	-18.8	EUT Horz, Low Ch, 1Mbps
4873.900	48.8	5.1	1.5	166.0	3.0	0.0	Horz	PK	0.0	53.9	74.0	-20.1	EUT Horz, Mid Ch, 1Mbps
4824.025	48.2	4.8	1.6	168.0	3.0	0.0	Horz	PK	0.0	53.0	74.0	-21.0	EUT Horz, Low Ch, 1Mbps
4923.742	47.4	5.3	1.8	162.0	3.0	0.0	Horz	PK	0.0	52.7	74.0	-21.3	EUT Horz, High Ch, 1Mbps
4923.992	47.0	5.3	1.9	195.0	3.0	0.0	Vert	PK	0.0	52.3	74.0	-21.7	EUT Horz, High Ch, 1Mbps
4874.183	44.7	5.1	1.2	277.0	3.0	0.0	Vert	PK	0.0	49.8	74.0	-24.2	EUT Horz, Mid Ch, 1Mbps
4823.992	44.6	4.8	3.0	247.0	3.0	0.0	Vert	PK	0.0	49.4	74.0	-24.6	EUT Horz, Low Ch, 1Mbps
14472.180	44.9	2.7	2.7	170.0	3.0	0.0	Vert	PK	0.0	47.6	74.0	-26.4	EUT Horz, Low Ch, 1Mbps
14471.980	44.3	2.7	2.9	177.0	3.0	0.0	Horz	PK	0.0	47.0	74.0	-27.0	EUT Horz, Low Ch, 1Mbps
12309.980	51.3	-5.5	1.4	217.0	3.0	0.0	Vert	PK	0.0	45.8	74.0	-28.2	EUT Horz, High Ch, 1Mbps
12184.190	51.9	-6.1	1.4	225.0	3.0	0.0	Vert	PK	0.0	45.8	74.0	-28.2	EUT Horz, Mid Ch, 1Mbps
12059.750	51.3	-6.8	2.5	226.0	3.0	0.0	Vert	PK	0.0	44.5	74.0	-29.5	EUT Horz, Low Ch, 1Mbps
12185.890	50.3	-6.1	1.1	274.0	3.0	0.0	Horz	PK	0.0	44.2	74.0	-29.8	EUT Horz, Mid Ch, 1Mbps
12309.890	49.4	-5.5	1.1	89.0	3.0	0.0	Horz	PK	0.0	43.9	74.0	-30.1	EUT Horz, High Ch, 1Mbps
12058.870	49.7	-6.8	3.4	203.0	3.0	0.0	Horz	PK	0.0	42.9	74.0	-31.1	EUT Horz, Low Ch, 1Mbps

Work Order:	MASI0274	Date:	08/07/15	
Project:	None	Temperature:	21.4 °C	
Job Site:	OC07	Humidity:	47.9% RH	
Serial Number:	1521639422	Barometric Pres.:	1012.6 mbar	
EUT:		BCM4334 802.11abg/BT radio		
Configuration:	2			
Customer:	Masimo Corporation			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Continuous Transmit 802.11bg: Low Channel 1 (2412 MHz) & High Channel 11 (2462 MHz)			
Deviations:	None			
Comments:	TX Power = 75			
Tested by:		Mike Tran & Johnny Candelas		

Test Specifications				Test Method			
FCC 15.247:2015				ANSI C63.10:2013			
Run #	34	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	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
2483.518	58.0	-4.3	3.5	300.0	3.0	20.0	Horz	PK	0.0	73.7	74.0	-0.3	EUT Horz, High Ch, 6Mbps
2483.640	56.4	-4.3	2.3	258.0	3.0	20.0	Vert	PK	0.0	72.1	74.0	-1.9	EUT on Side, High Ch, 6Mbps
2483.588	56.2	-4.3	1.2	296.0	3.0	20.0	Horz	PK	0.0	71.9	74.0	-2.1	EUT on Side, High Ch, 6Mbps
2483.712	55.8	-4.3	1.2	193.0	3.0	20.0	Vert	PK	0.0	71.5	74.0	-2.5	EUT Horz, High Ch, 6Mbps
2483.623	55.7	-4.3	2.8	297.0	3.0	20.0	Horz	PK	0.0	71.4	74.0	-2.6	EUT Horz, High Ch, 36Mbps
2483.533	55.4	-4.3	2.8	297.0	3.0	20.0	Horz	PK	0.0	71.1	74.0	-2.9	EUT Horz, High Ch, 54Mbps
2483.590	55.3	-4.3	1.2	311.0	3.0	20.0	Horz	PK	0.0	71.0	74.0	-3.0	EUT Vert, High Ch, 6Mbps
2483.515	35.1	-4.3	3.5	300.0	3.0	20.0	Horz	AV	0.0	50.8	54.0	-3.2	EUT Horz, High Ch, 6Mbps
2389.970	55.6	-4.9	2.4	175.0	3.0	20.0	Vert	PK	0.0	70.7	74.0	-3.3	EUT on Side, Low Ch, 6Mbps
2483.500	34.5	-4.3	1.2	193.0	3.0	20.0	Vert	AV	0.0	50.2	54.0	-3.8	EUT Horz, High Ch, 6Mbps
2483.500	34.1	-4.3	2.3	258.0	3.0	20.0	Vert	AV	0.0	49.8	54.0	-4.2	EUT on Side, High Ch, 6Mbps
2390.000	34.6	-4.9	2.4	175.0	3.0	20.0	Vert	AV	0.0	49.7	54.0	-4.3	EUT on Side, Low Ch, 6Mbps
2483.522	33.8	-4.3	1.2	311.0	3.0	20.0	Horz	AV	0.0	49.5	54.0	-4.5	EUT Vert, High Ch, 6Mbps
2483.507	33.8	-4.3	1.2	296.0	3.0	20.0	Horz	AV	0.0	49.5	54.0	-4.5	EUT on Side, High Ch, 6Mbps
2389.633	54.3	-4.9	1.8	302.0	3.0	20.0	Horz	PK	0.0	69.4	74.0	-4.6	EUT Horz, Low Ch, 6Mbps
2483.507	33.4	-4.3	2.8	297.0	3.0	20.0	Horz	AV	0.0	49.1	54.0	-4.9	EUT Horz, High Ch, 36Mbps
2390.000	33.6	-4.9	1.8	302.0	3.0	20.0	Horz	AV	0.0	48.7	54.0	-5.3	EUT Horz, Low Ch, 6Mbps
2483.508	32.9	-4.3	2.8	297.0	3.0	20.0	Horz	AV	0.0	48.6	54.0	-5.4	EUT Horz, High Ch, 54Mbps
2483.503	31.5	-4.3	2.0	234.0	3.0	20.0	Vert	AV	0.0	47.2	54.0	-6.8	EUT on Side, High Ch, 6Mbps
2483.537	50.3	-4.3	2.0	234.0	3.0	20.0	Vert	PK	0.0	66.0	74.0	-8.0	EUT Vert, High Ch, 6Mbps
2484.007	29.1	-4.3	3.5	300.0	3.0	20.0	Horz	AV	0.0	44.8	54.0	-9.2	EUT Horz, High Ch, 11Mbps
2484.083	28.9	-4.3	2.3	258.0	3.0	20.0	Vert	AV	0.0	44.6	54.0	-9.4	EUT on Side, High Ch, 11Mbps
2483.507	28.9	-4.3	2.3	258.0	3.0	20.0	Vert	AV	0.0	44.6	54.0	-9.4	EUT on Side, High Ch, 1Mbps
2484.498	28.8	-4.3	3.5	300.0	3.0	20.0	Horz	AV	0.0	44.5	54.0	-9.5	EUT Horz, High Ch, 1Mbps
2388.817	29.2	-4.9	1.2	268.0	3.0	20.0	Horz	AV	0.0	44.3	54.0	-9.7	EUT Horz, Low Ch, 1Mbps
2388.370	29.2	-4.9	1.2	324.0	3.0	20.0	Vert	AV	0.0	44.3	54.0	-9.7	EUT on Side, Low Ch, 1Mbps
2483.995	42.3	-4.3	3.5	300.0	3.0	20.0	Horz	PK	0.0	58.0	74.0	-16.0	EUT Horz, High Ch, 1Mbps
2483.773	42.2	-4.3	2.3	258.0	3.0	20.0	Vert	PK	0.0	57.9	74.0	-16.1	EUT on Side, High Ch, 1Mbps
2484.173	42.1	-4.3	2.3	258.0	3.0	20.0	Vert	PK	0.0	57.8	74.0	-16.2	EUT on Side, High Ch, 1Mbps
2389.337	42.6	-4.9	1.2	324.0	3.0	20.0	Vert	PK	0.0	57.7	74.0	-16.3	EUT on Side, Low Ch, 1Mbps
2483.767	41.9	-4.3	3.5	300.0	3.0	20.0	Horz	PK	0.0	57.6	74.0	-16.4	EUT Horz, High Ch, 1Mbps
2389.600	42.5	-4.9	1.2	268.0	3.0	20.0	Horz	PK	0.0	57.6	74.0	-16.4	EUT Horz, Low Ch, 1Mbps

BAND EDGE COMPLIANCE

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12

TEST DESCRIPTION


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

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

BAND EDGE COMPLIANCE

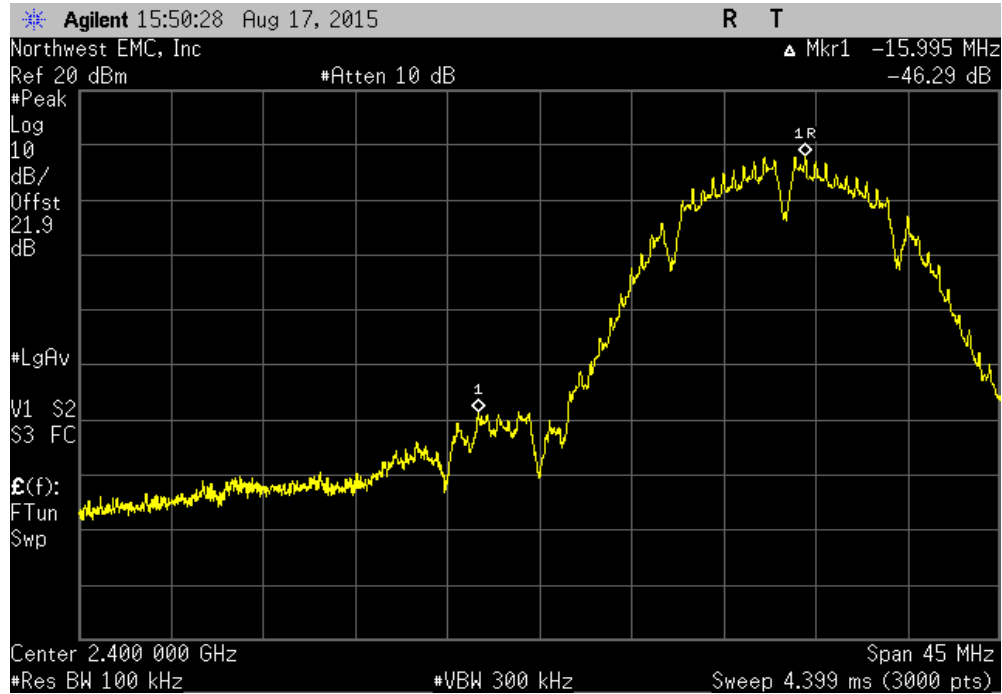


XMR 2015.01.14

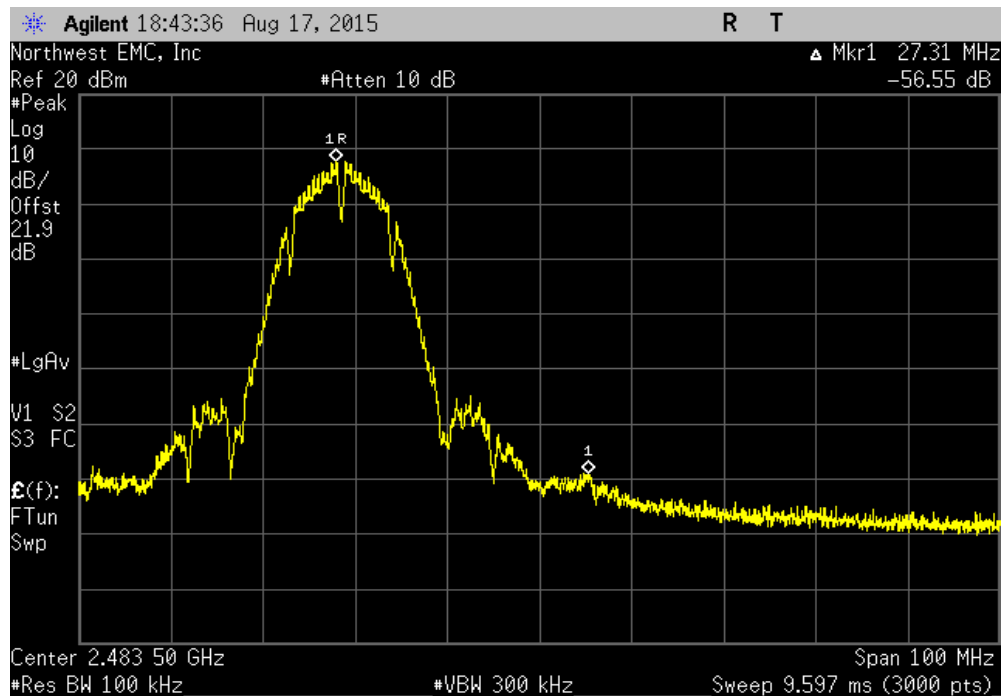
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Power: 110VAC/60Hz	
		Job Site: OC13	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value (dBc)	Limit ≤ (dBc) Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz		-46.29	-20 Pass
High Channel 11, 2462 MHz		-56.55	-20 Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz		-46.83	-20 Pass
High Channel 11, 2462 MHz		-55.84	-20 Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz		-25.96	-20 Pass
High Channel 11, 2462 MHz		-34.86	-20 Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz		-25.05	-20 Pass
High Channel 11, 2462 MHz		-34.57	-20 Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz		-26.85	-20 Pass
High Channel 11, 2462 MHz		-35.14	-20 Pass

BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-46.29	-20	Pass

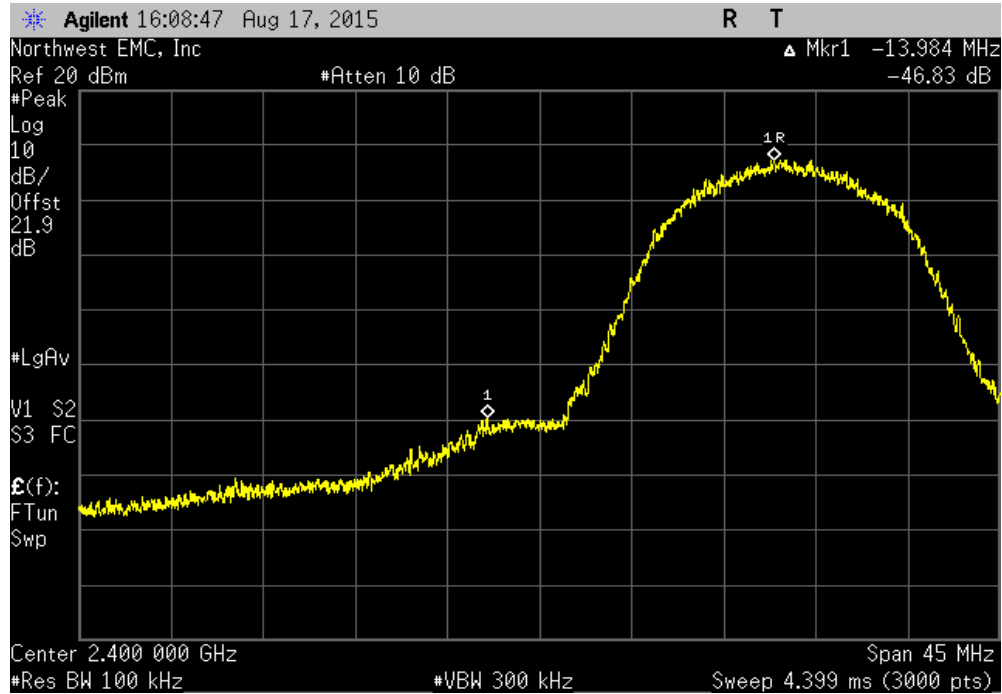


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.55	-20	Pass

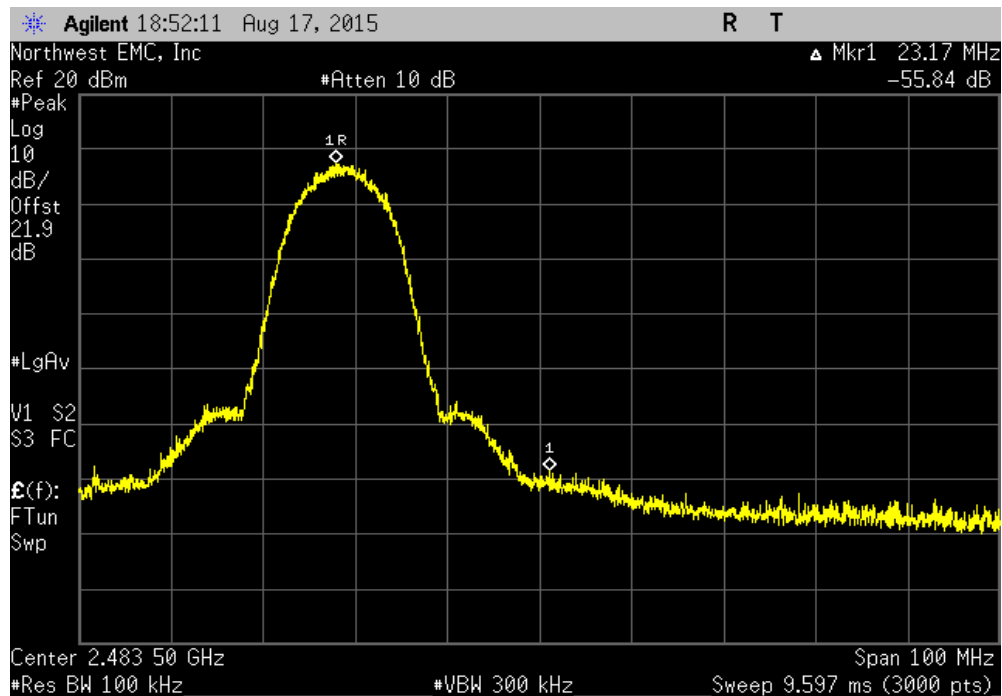


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-46.83	-20	Pass

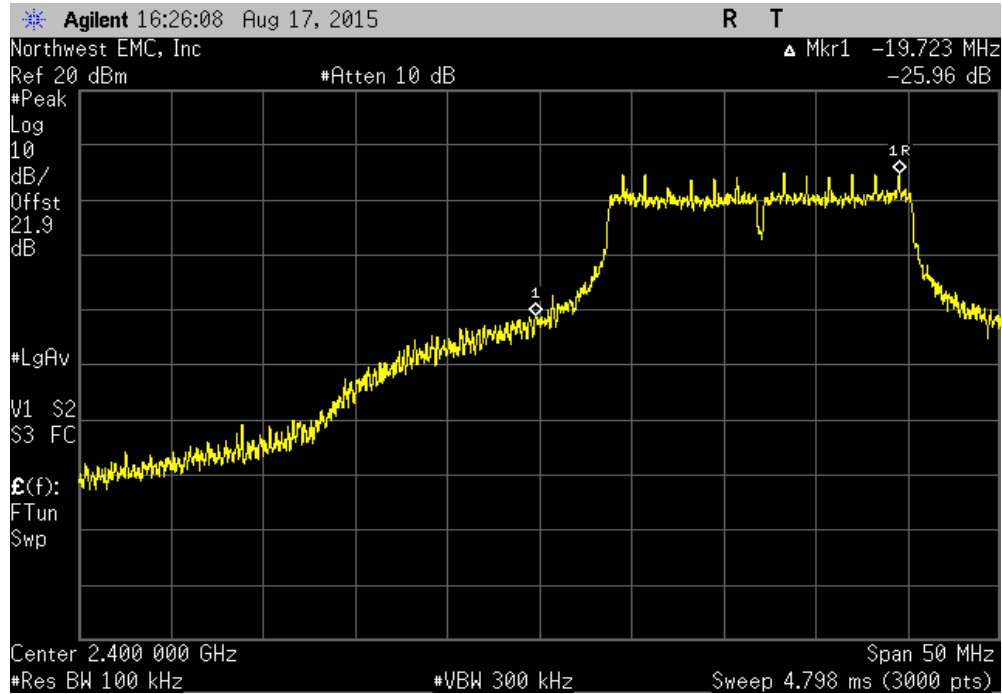


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.84	-20	Pass

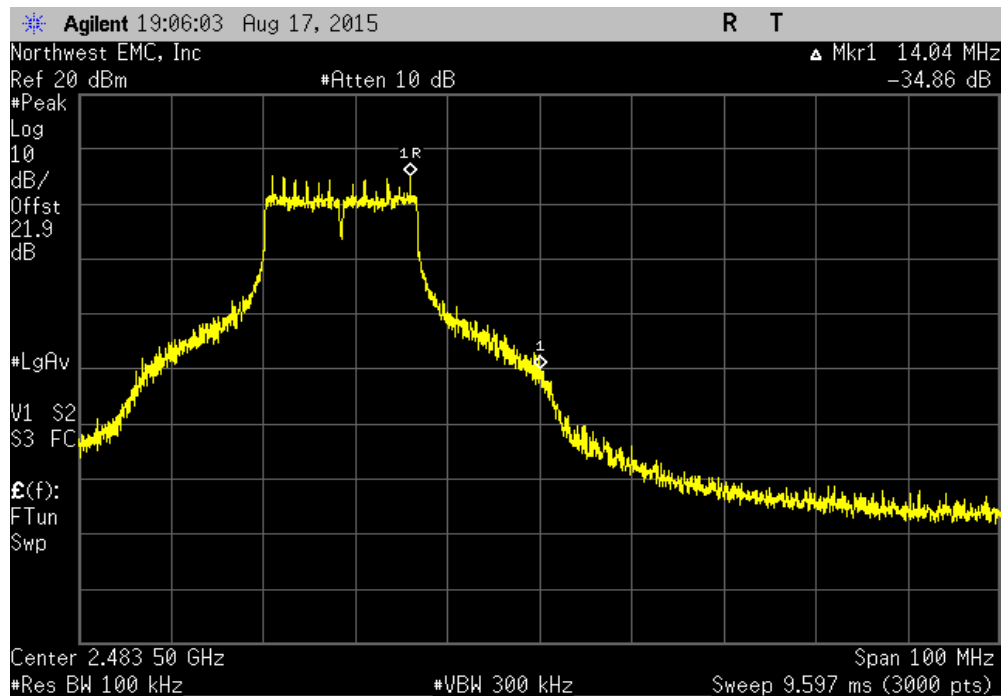


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-25.96	-20	Pass

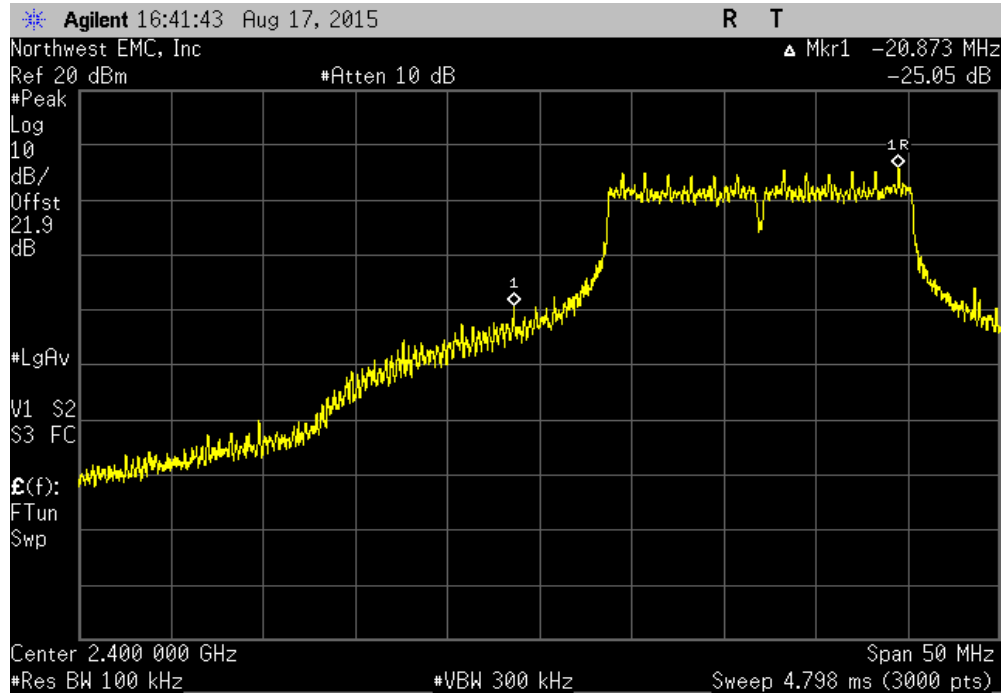


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.86	-20	Pass

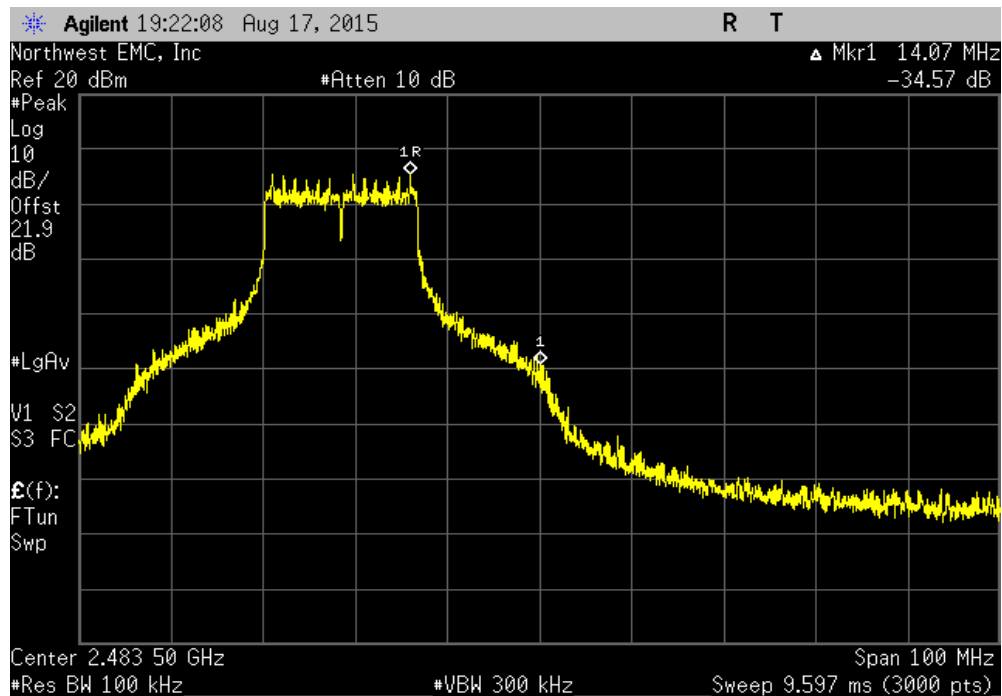


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-25.05	-20	Pass

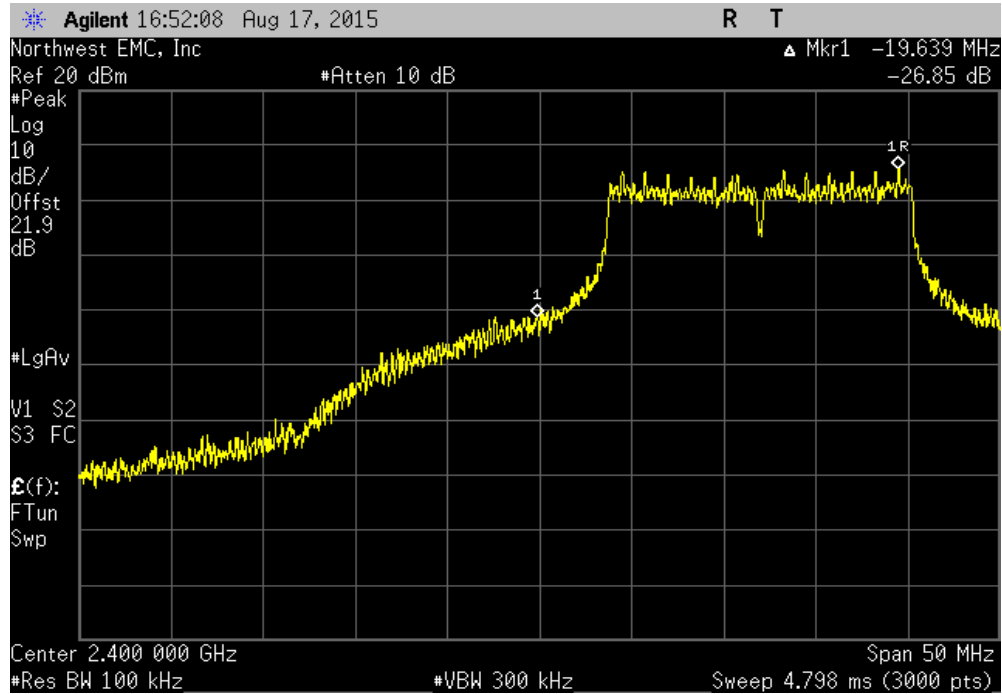


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.57	-20	Pass

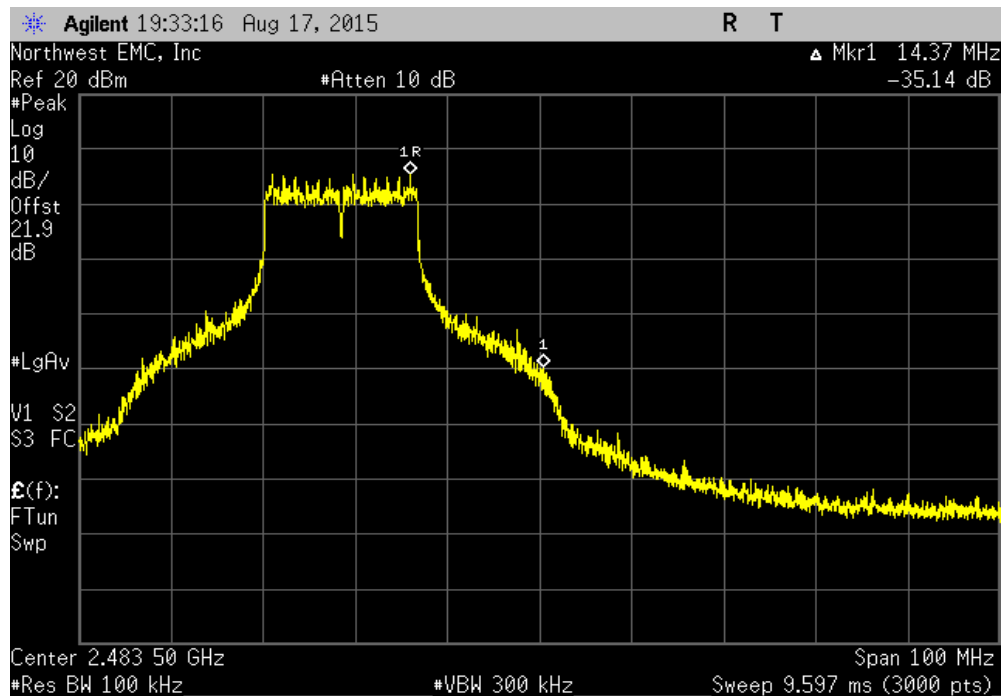


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-26.85	-20	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.14	-20	Pass



DUTY CYCLE

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 (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12


TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

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

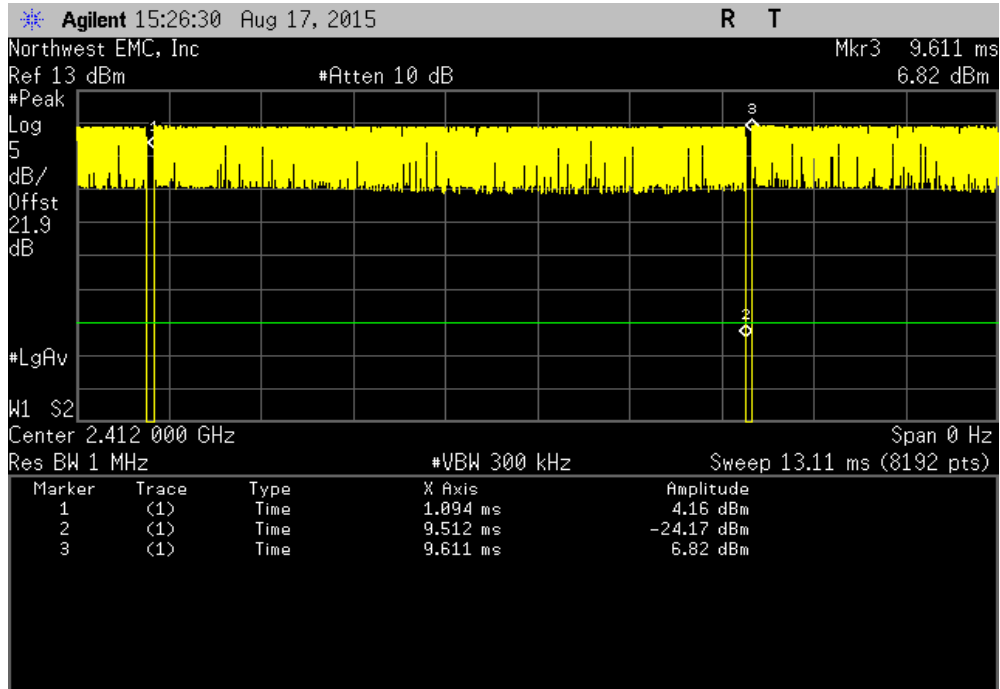
The test software provided for operation in a fixed, single channel mode allows the EUT to operate continuously at 100% Duty Cycle.

DUTY CYCLE

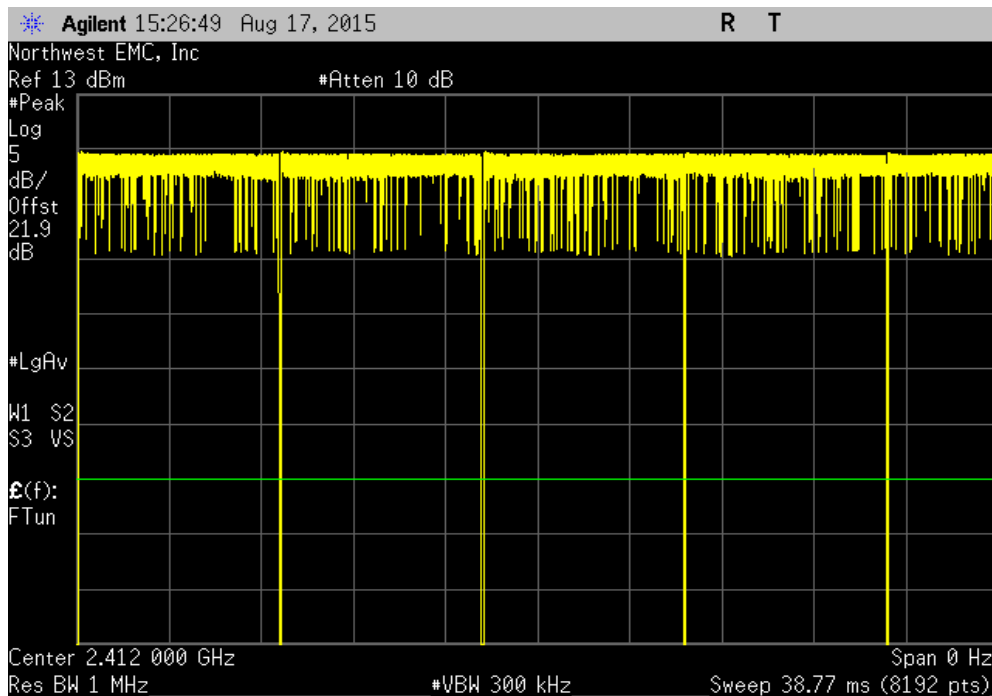
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Power: 110VAC/60Hz	
		Job Site: OC13	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Pulse Width	Period
		Number of Pulses	Value (%)
		Limit (%)	Results
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	8.418 ms	8.517 ms
	Low Channel 1, 2412 MHz	N/A	N/A
	Mid Channel 6, 2437 MHz	8.422 ms	8.517 ms
	Mid Channel 6, 2437 MHz	N/A	N/A
	High Channel 11, 2462 MHz	8.422 ms	8.517 ms
	High Channel 11, 2462 MHz	N/A	N/A
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	847.9 us	943.5 us
	Low Channel 1, 2412 MHz	N/A	N/A
	Mid Channel 6, 2437 MHz	847.9 us	943.1 us
	Mid Channel 6, 2437 MHz	N/A	N/A
	High Channel 11, 2462 MHz	842.8 us	943.1 us
	High Channel 11, 2462 MHz	N/A	N/A
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	1.39 ms	1.496 ms
	Low Channel 1, 2412 MHz	N/A	N/A
	Mid Channel 6, 2437 MHz	1.39 ms	1.496 ms
	Mid Channel 6, 2437 MHz	N/A	N/A
	High Channel 11, 2462 MHz	1.389 ms	1.495 ms
	High Channel 11, 2462 MHz	N/A	N/A
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	245.3 us	351.3 us
	Low Channel 1, 2412 MHz	N/A	N/A
	Mid Channel 6, 2437 MHz	244.9 us	351.4 us
	Mid Channel 6, 2437 MHz	N/A	N/A
	High Channel 11, 2462 MHz	244.9 us	351.3 us
	High Channel 11, 2462 MHz	N/A	N/A
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	169 us	275.9 us
	Low Channel 1, 2412 MHz	N/A	N/A
	Mid Channel 6, 2437 MHz	169.7 us	276 us
	Mid Channel 6, 2437 MHz	N/A	N/A
	High Channel 11, 2462 MHz	169.3 us	276 us
	High Channel 11, 2462 MHz	N/A	N/A

DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.418 ms	8.517 ms	1	98.8	N/A	N/A

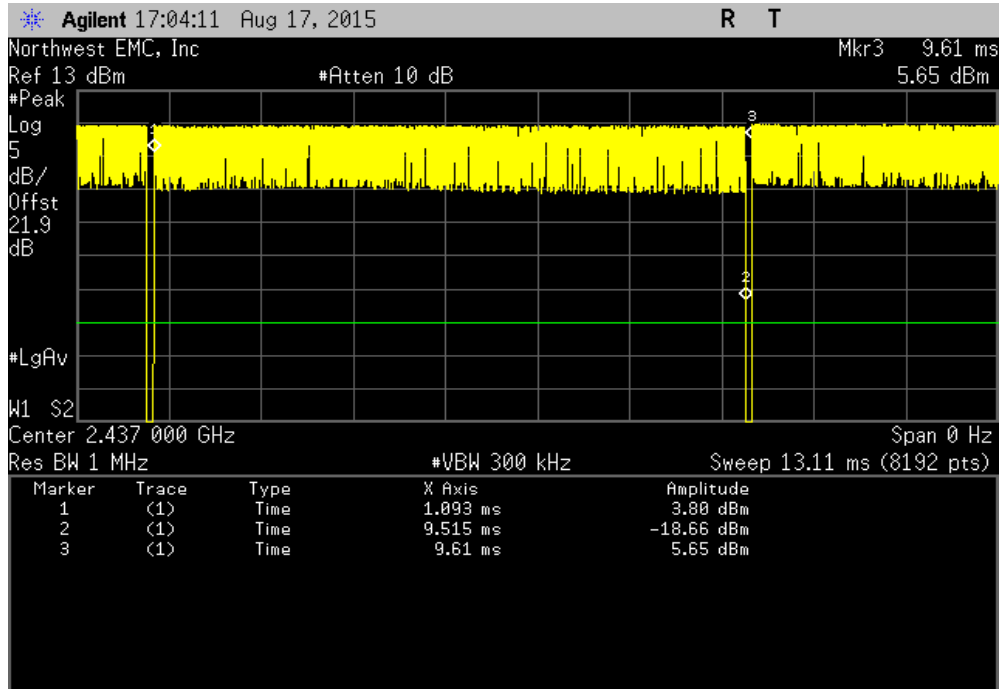


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

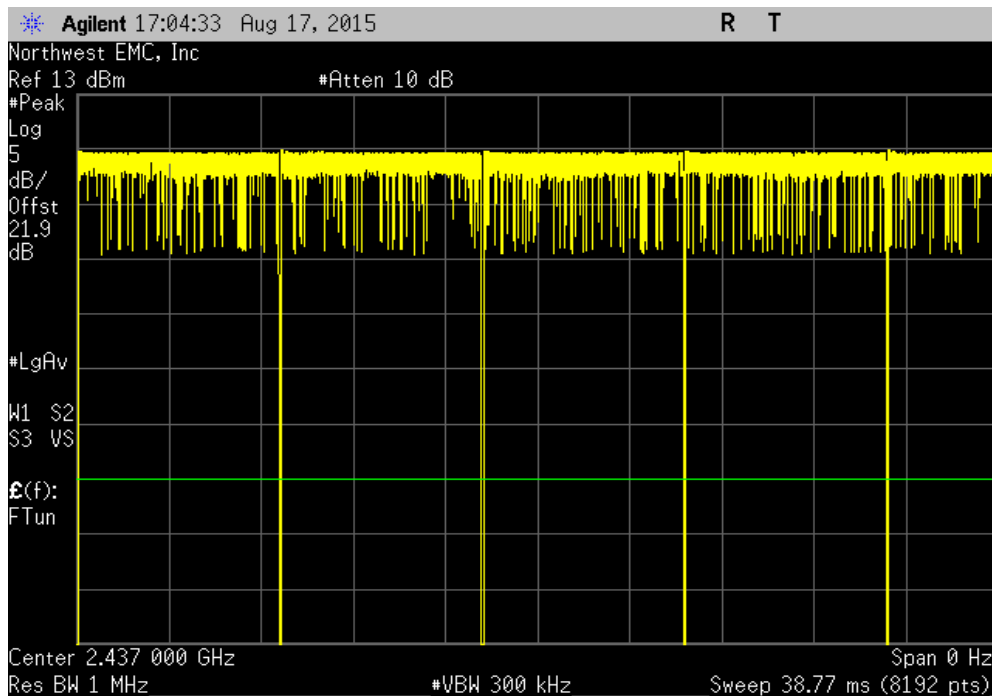


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.422 ms	8.517 ms	1	98.9	N/A	N/A

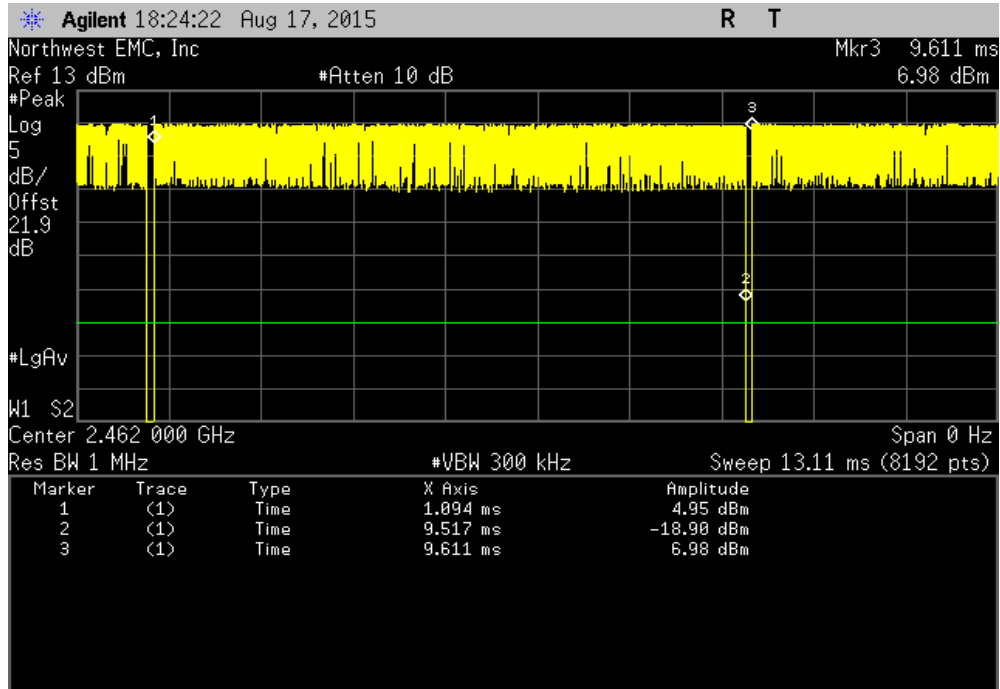


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

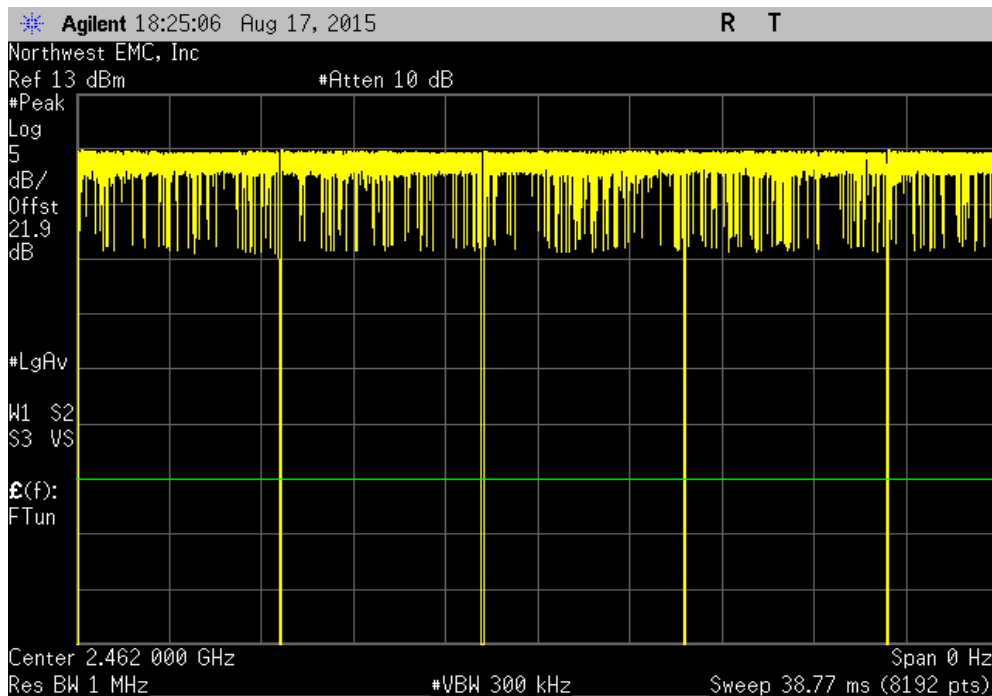


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.422 ms	8.517 ms	1	98.9	N/A	N/A

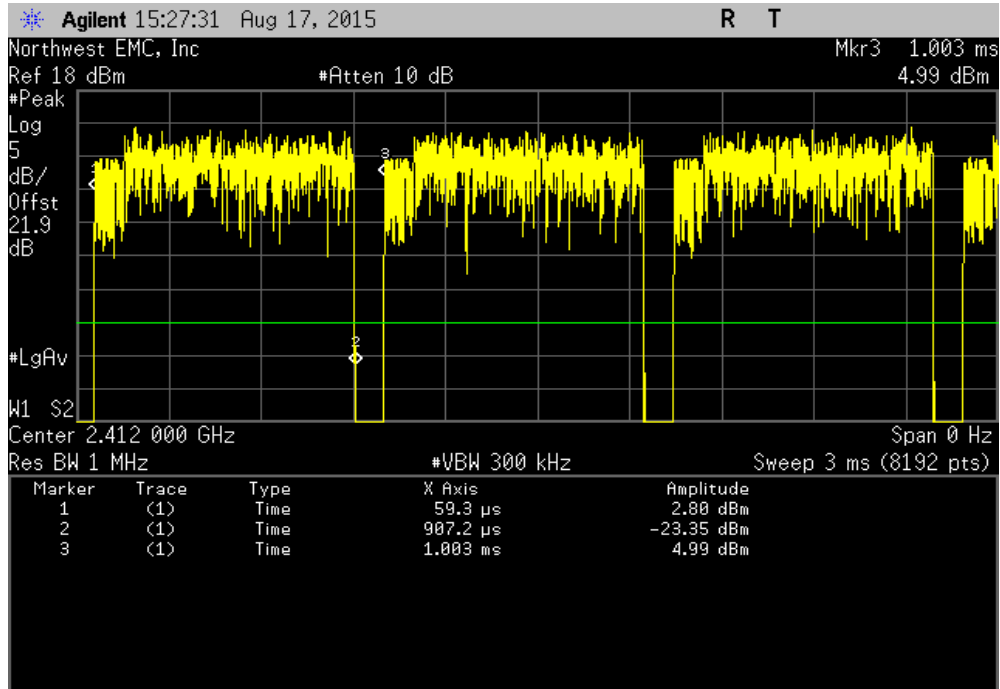


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

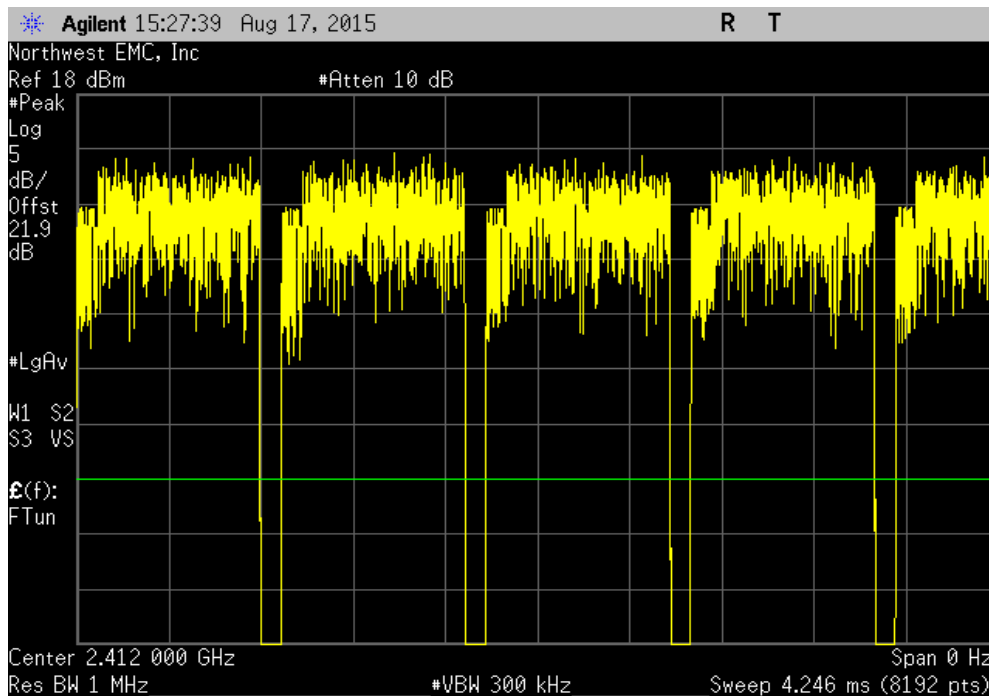


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
847.9 us	943.5 us	1	89.9	N/A	N/A	

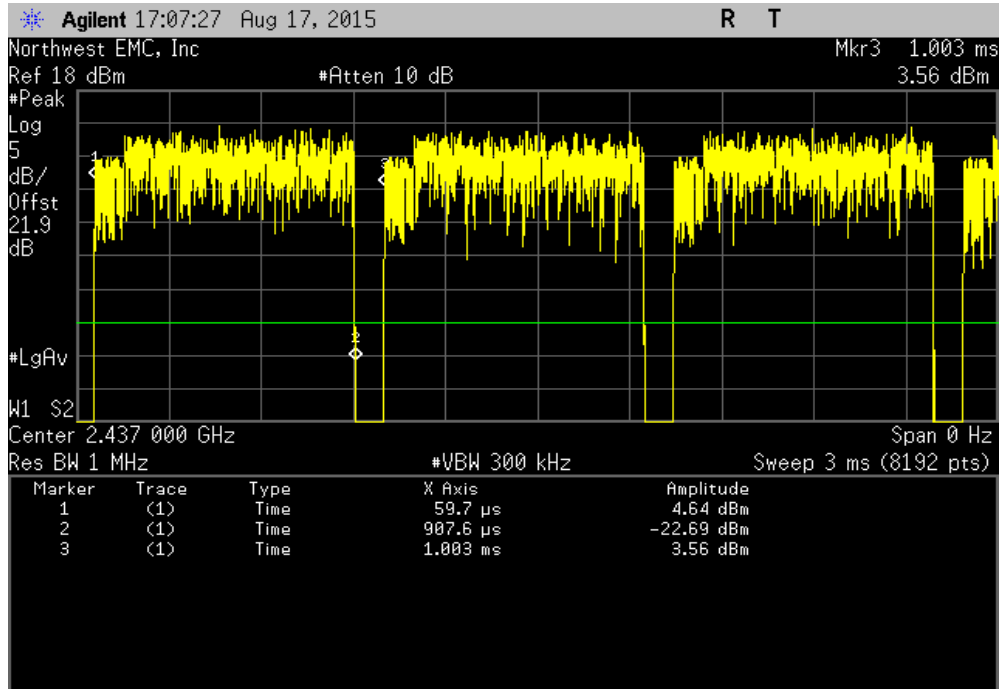


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

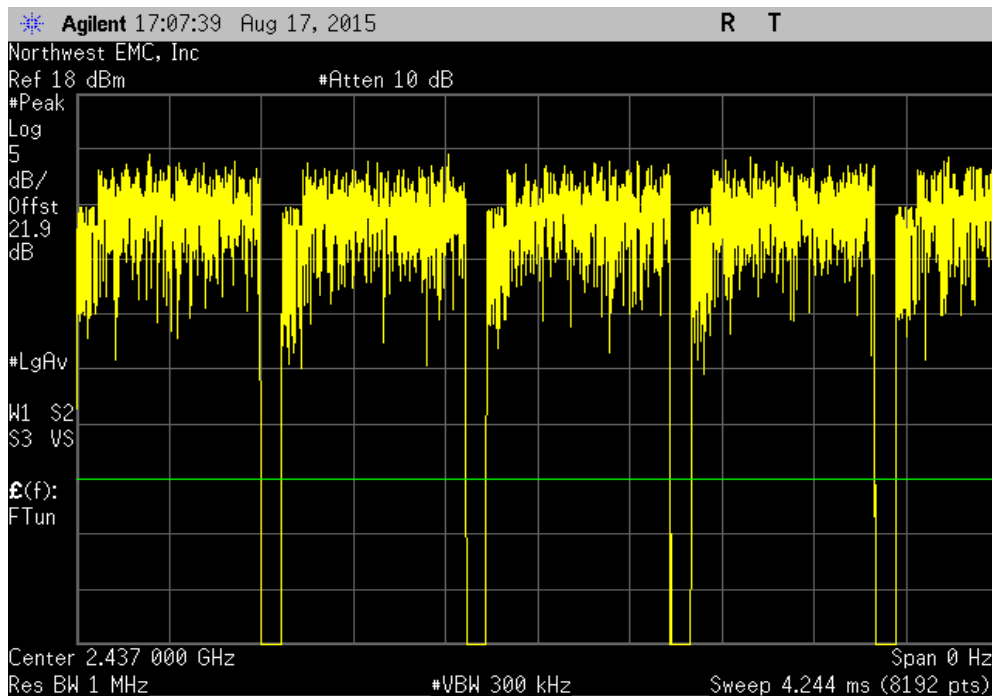


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
847.9 us	943.1 us	1	89.9	N/A	N/A	

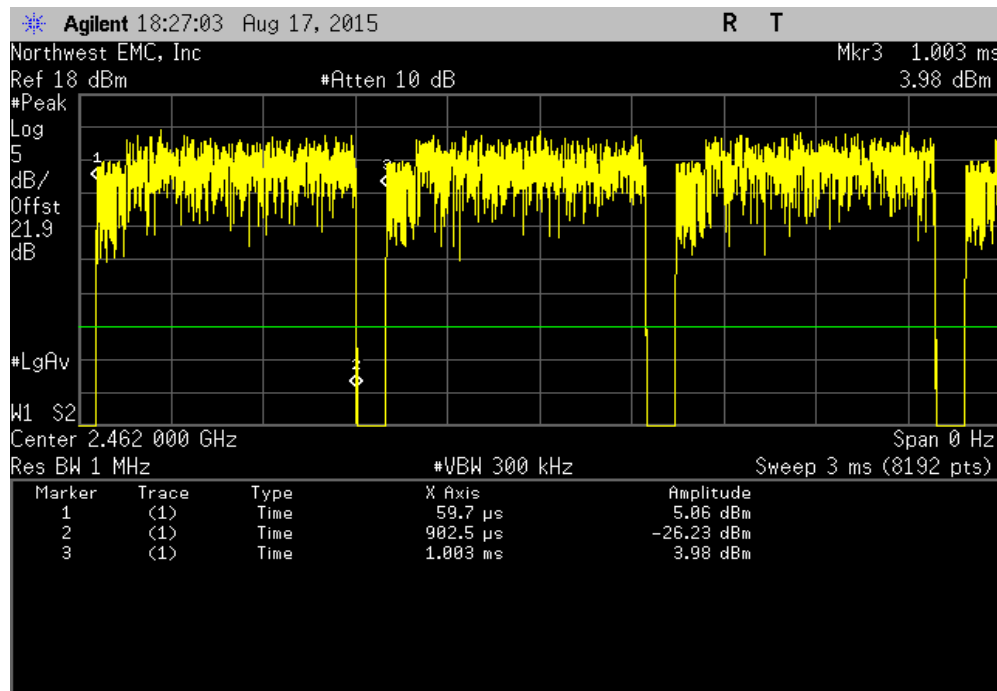


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

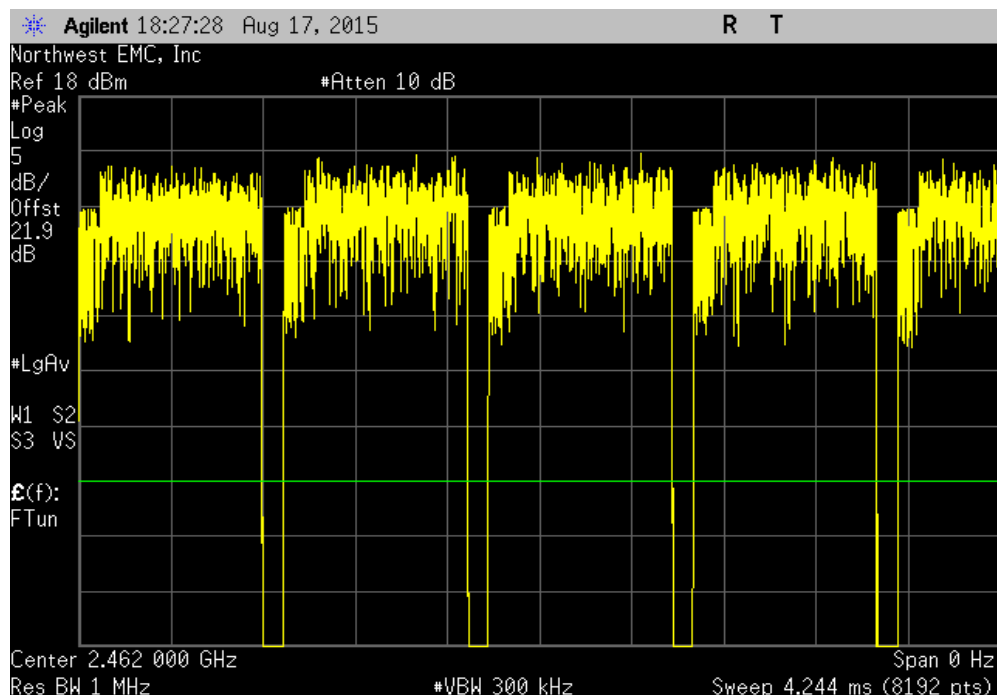


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
842.8 us	943.1 us	1	89.4	N/A	N/A	

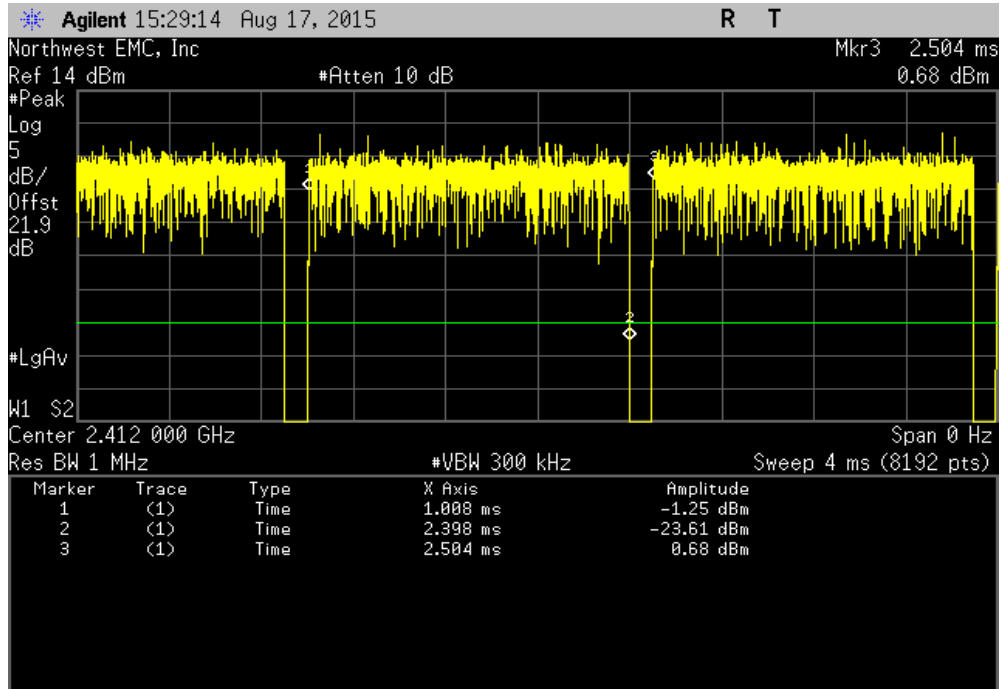


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

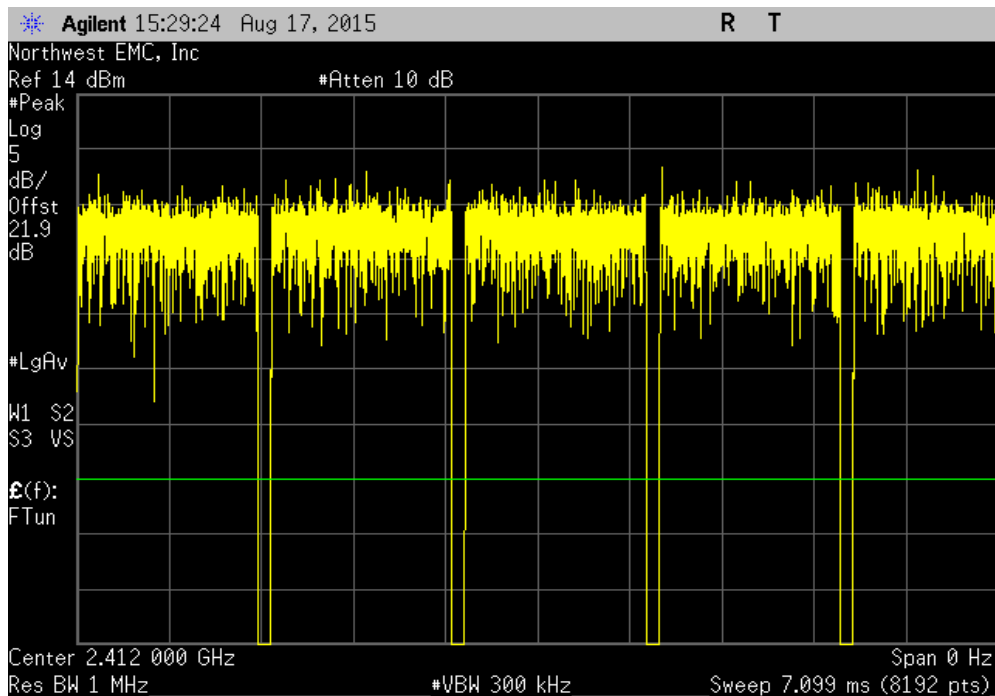


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.39 ms	1.496 ms	1	92.9	N/A	N/A

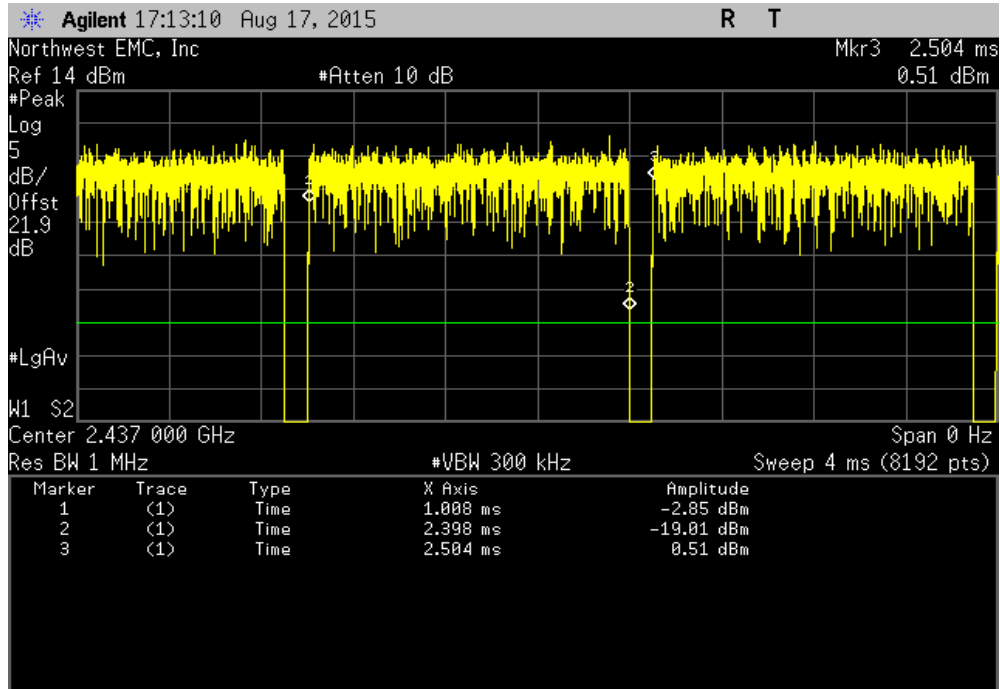


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

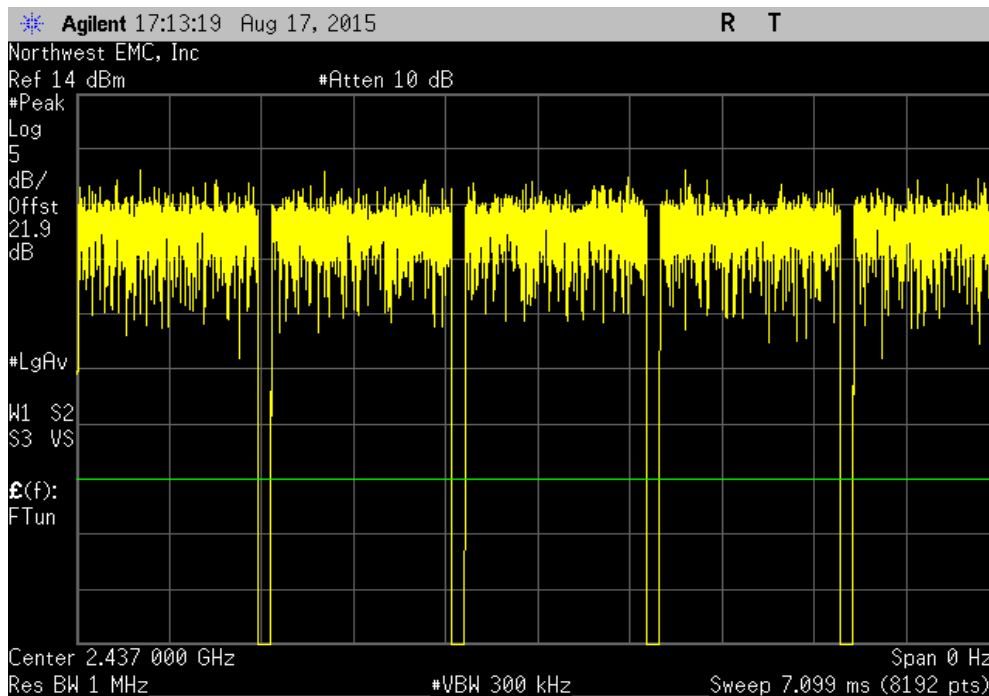


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.39 ms	1.496 ms	1	92.9	N/A	N/A

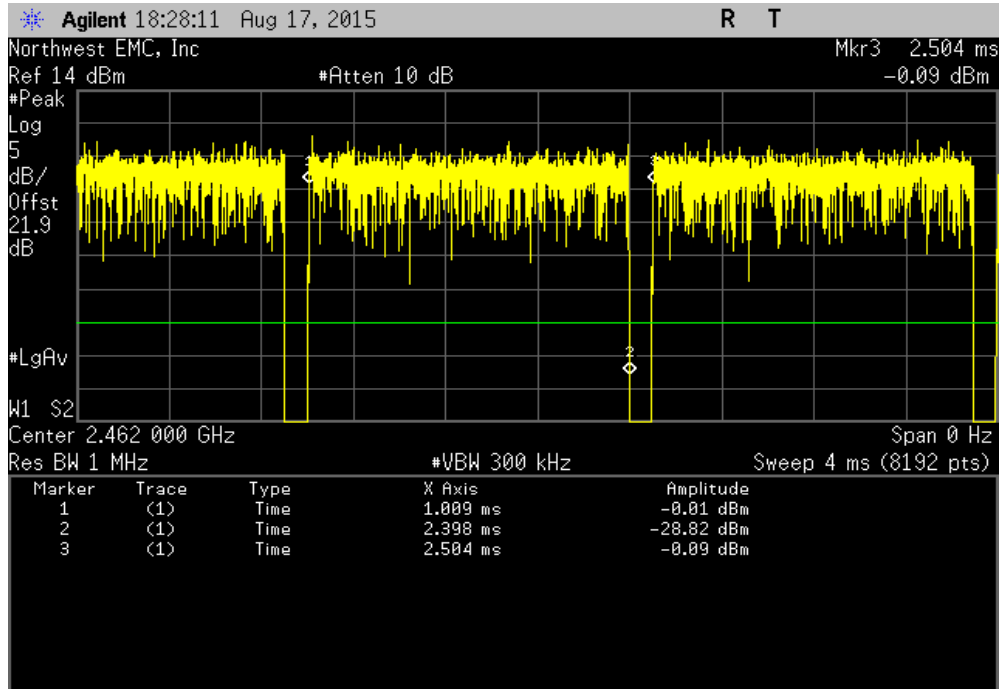


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

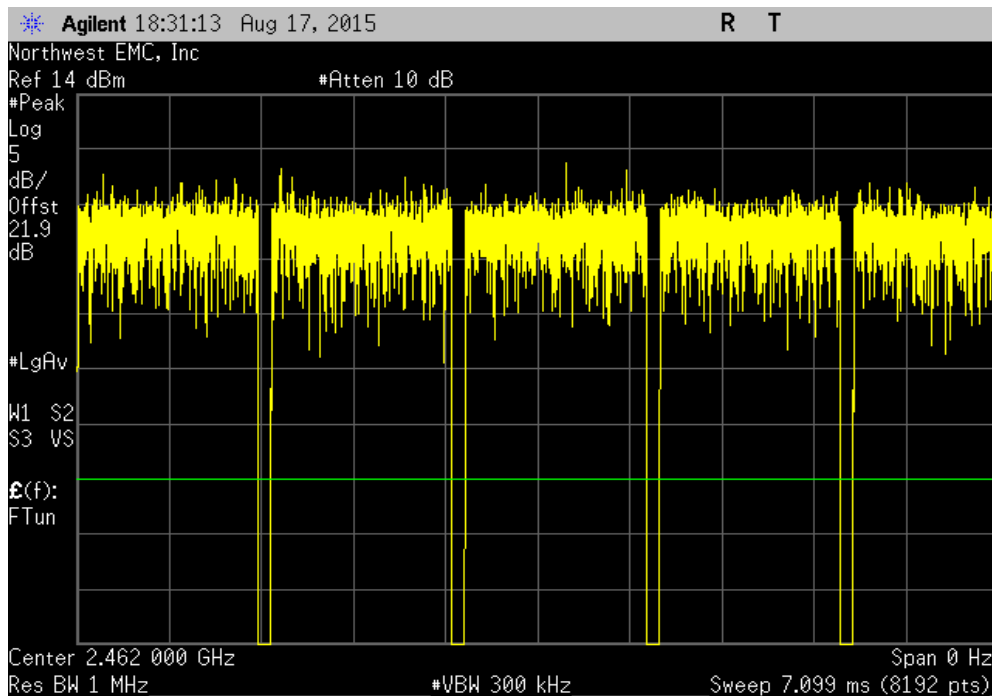


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.389 ms	1.495 ms	1	92.9	N/A	N/A

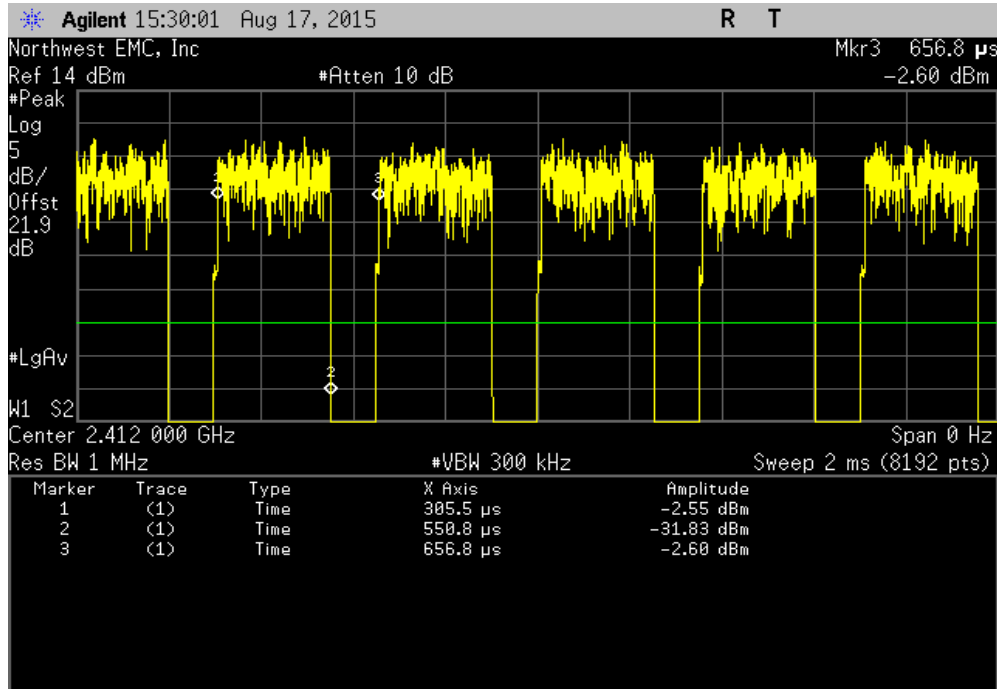


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

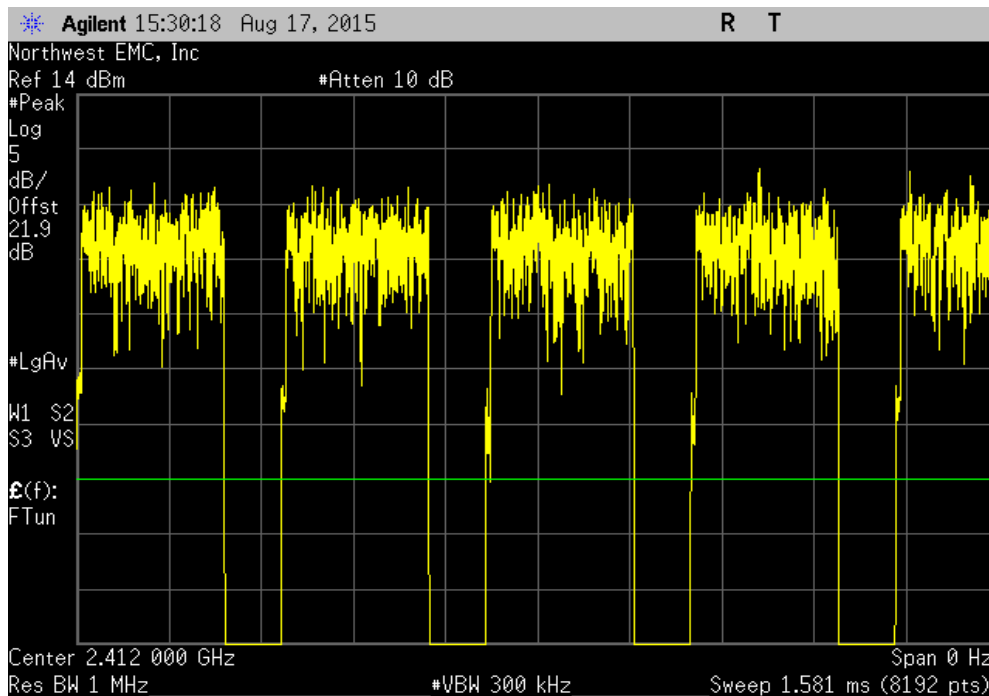


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
245.3 us	351.3 us	1	69.8	N/A	N/A	

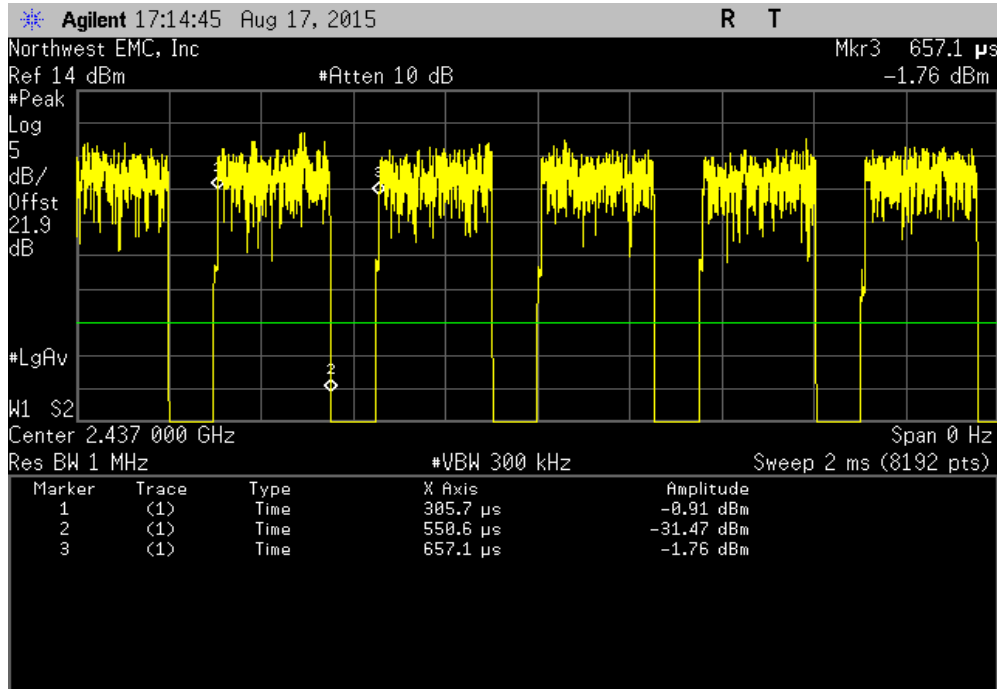


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

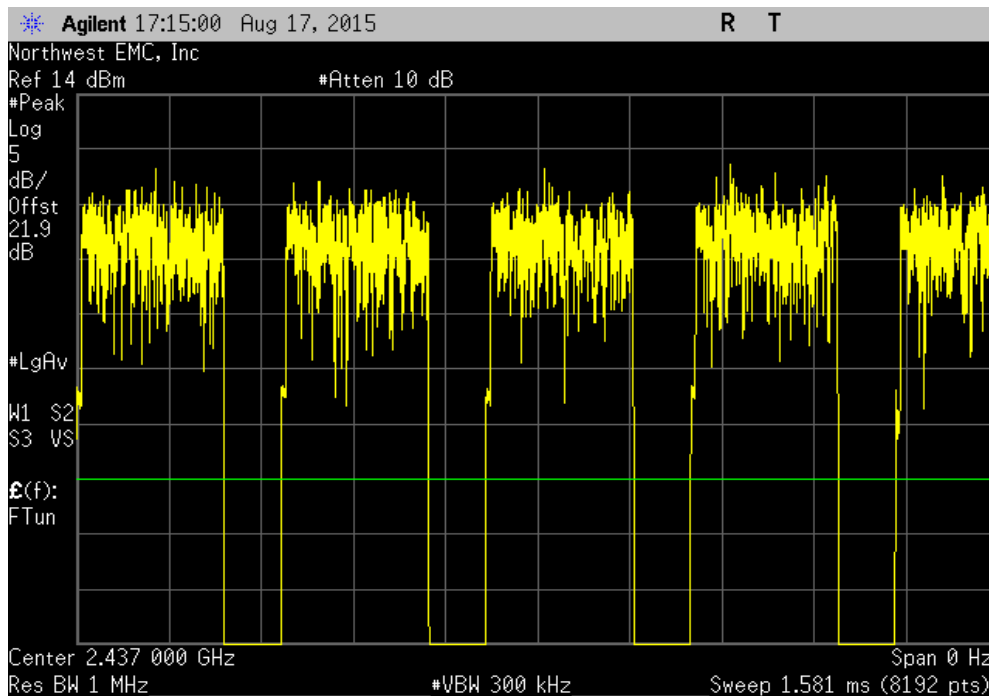


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
244.9 us	351.4 us	1	69.7	N/A	N/A	

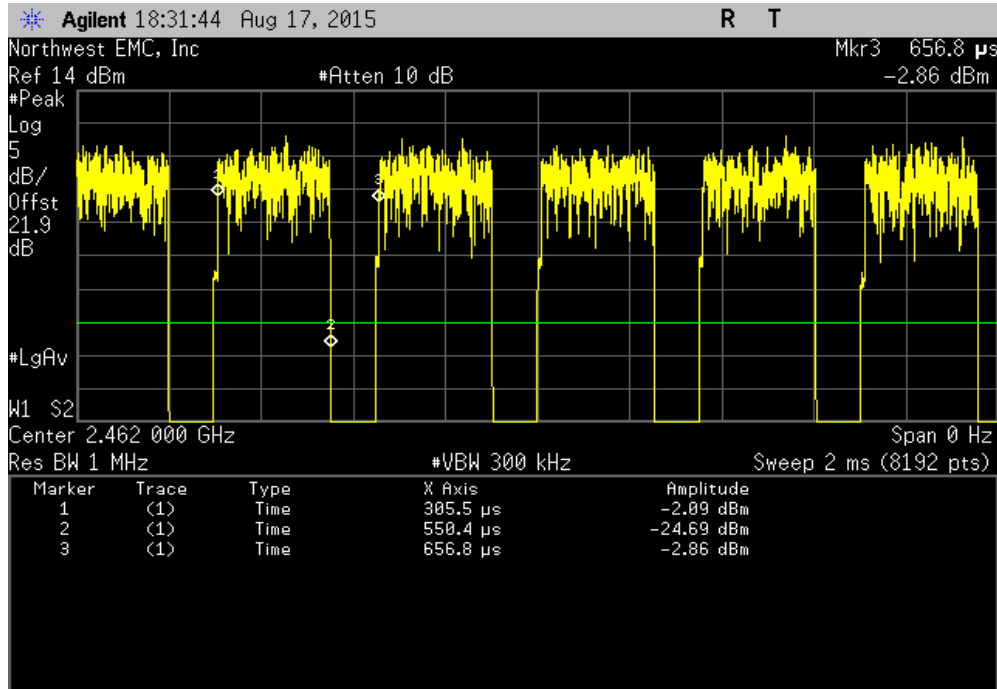


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

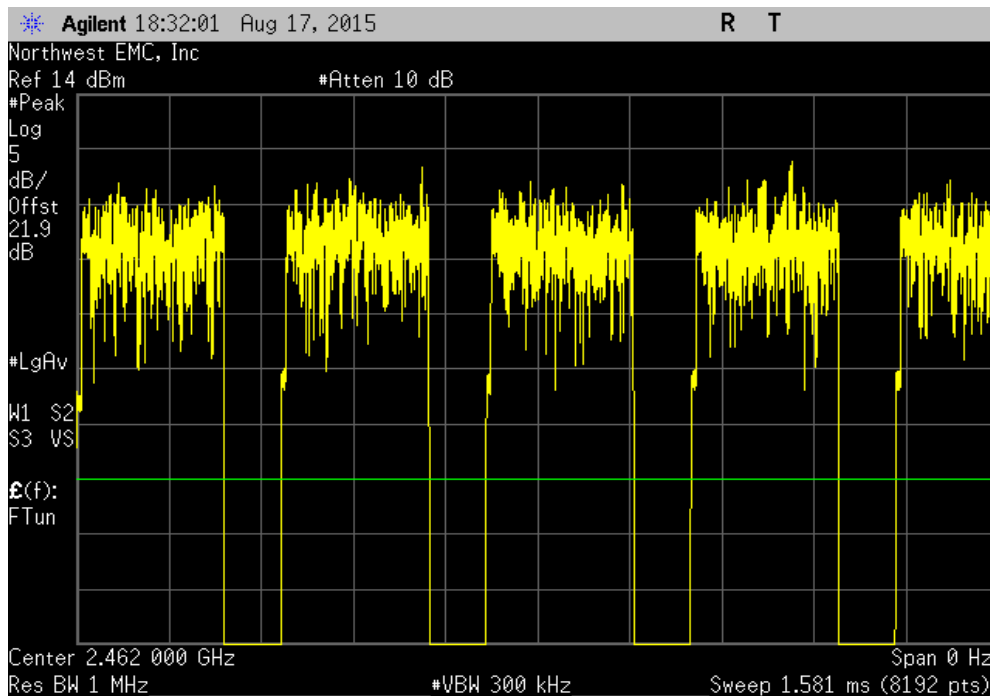


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
244.9 us	351.3 us	1	69.7	N/A	N/A	

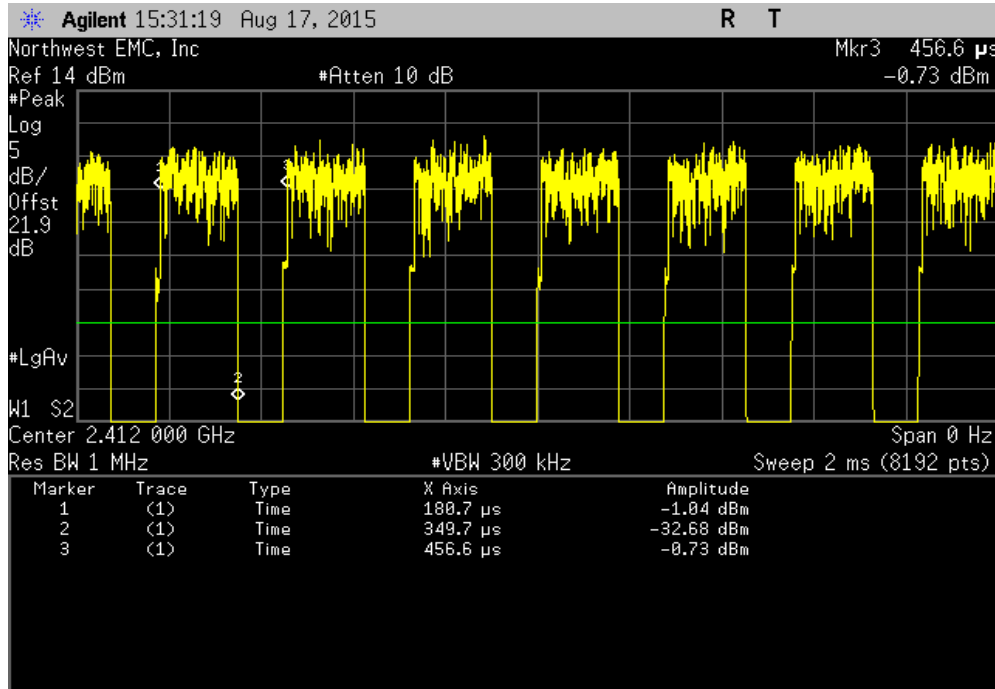


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

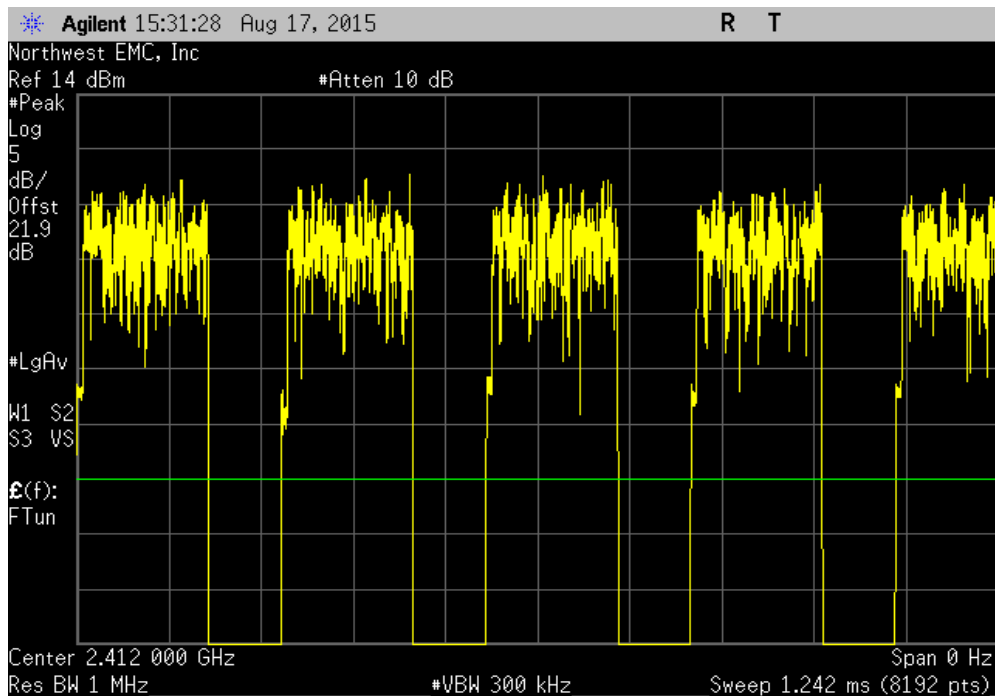


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	169 us	275.9 us	1	61.3	N/A	N/A

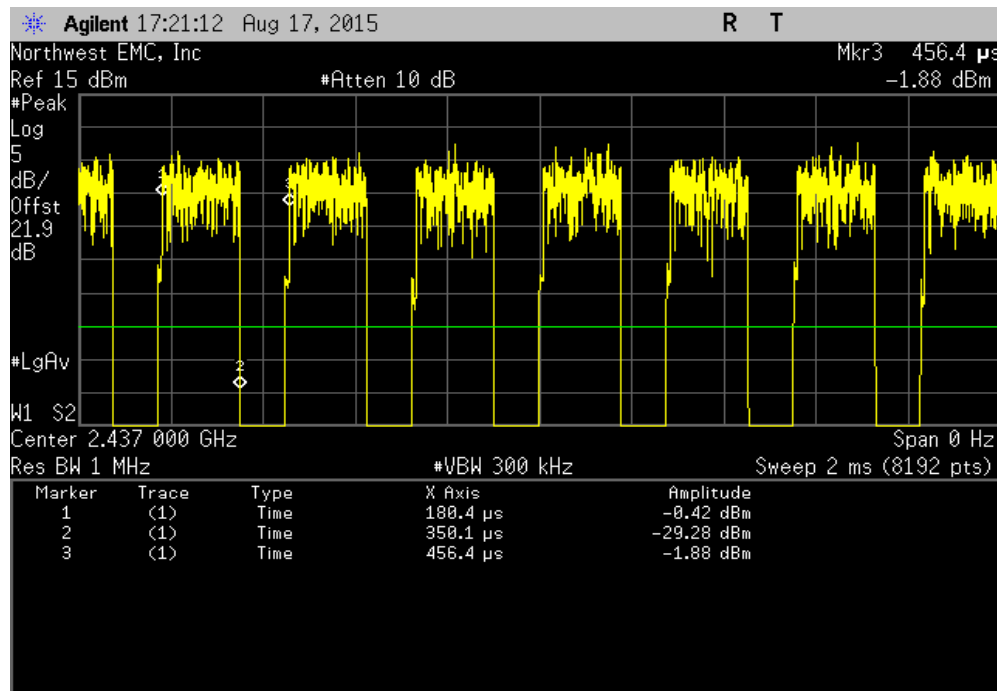


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

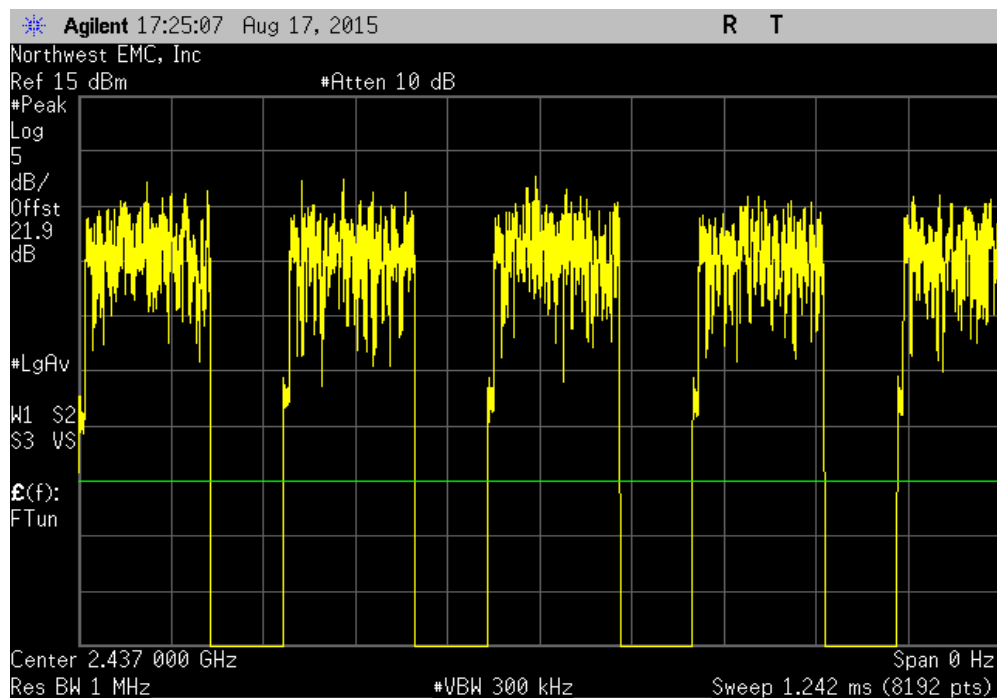


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
169.7 us	276 us	1	61.5	N/A	N/A	

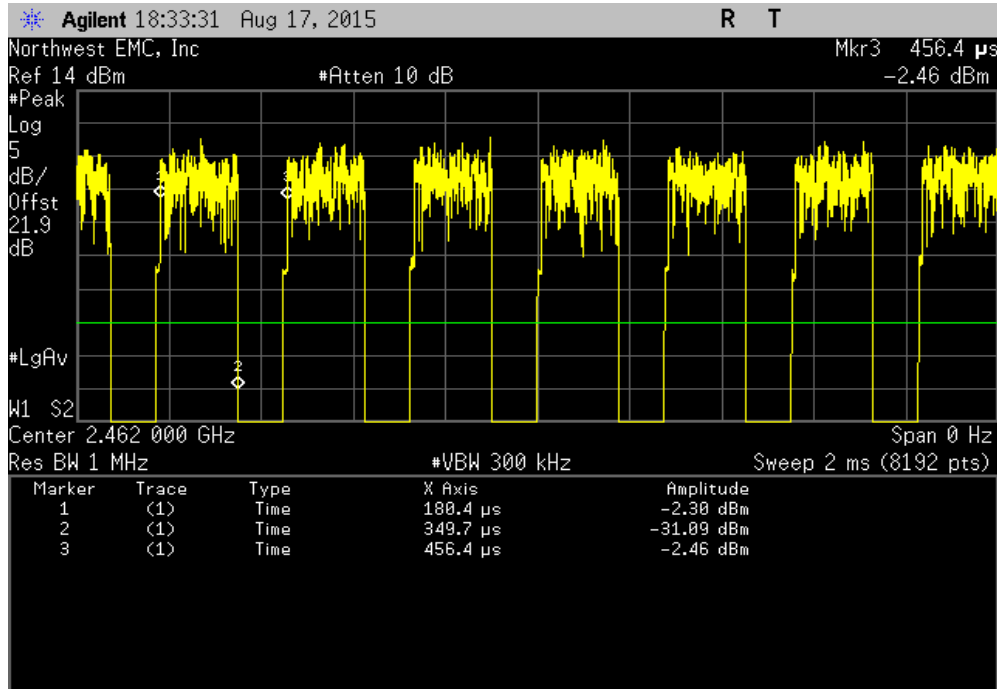


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

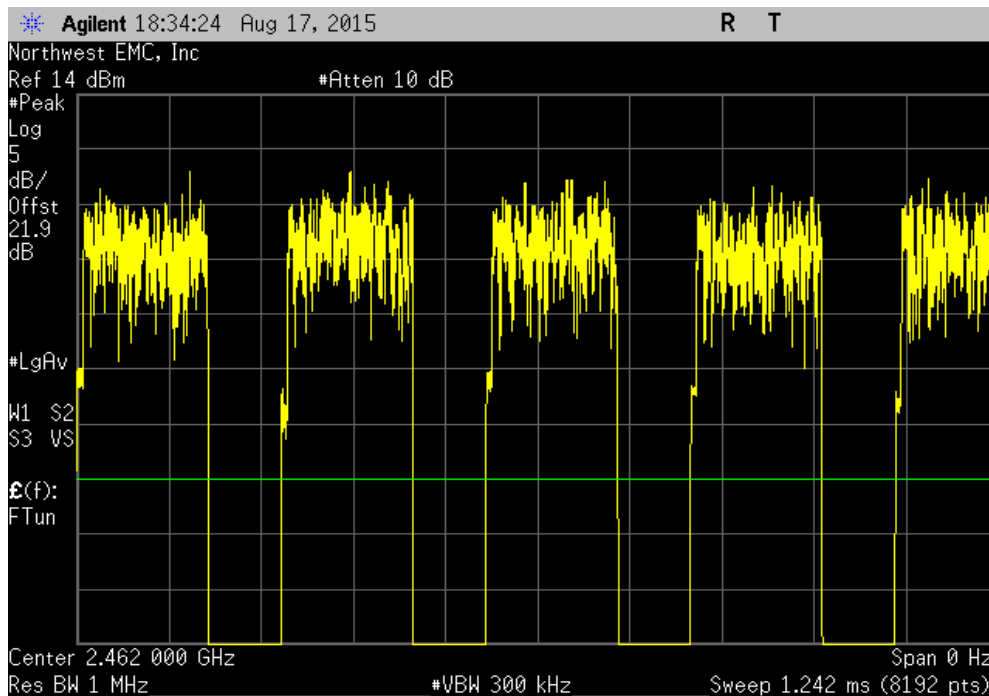


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
169.3 us	276 us	1	61.3	N/A	N/A	



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	



DUTY CYCLE



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 (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12

TEST DESCRIPTION

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

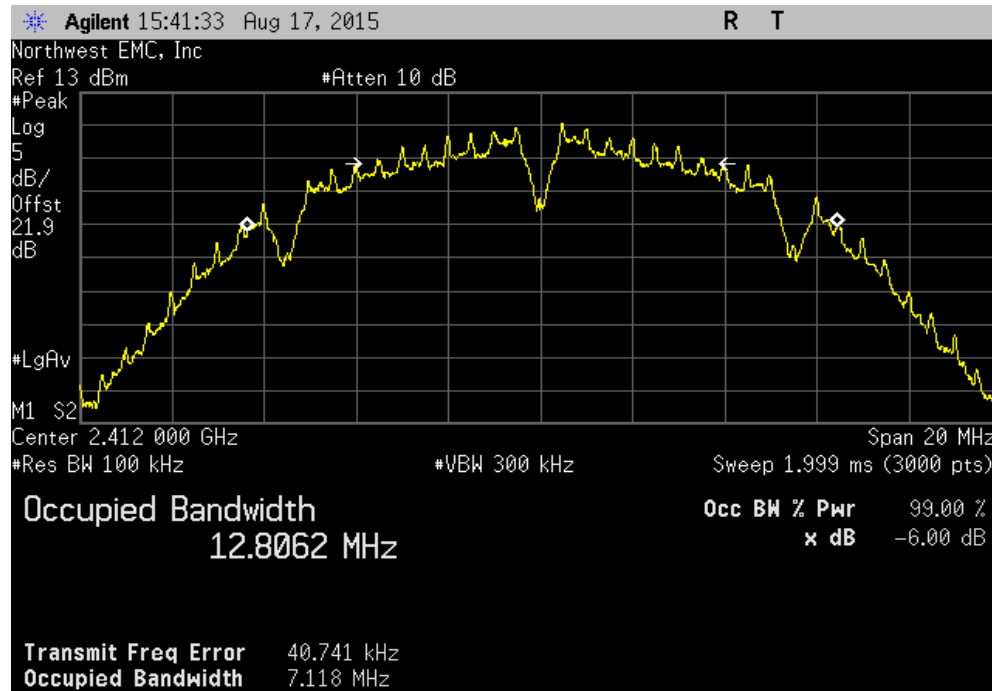
The EUT was set to the channels and modes listed in the datasheet. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer.

OCCUPIED BANDWIDTH

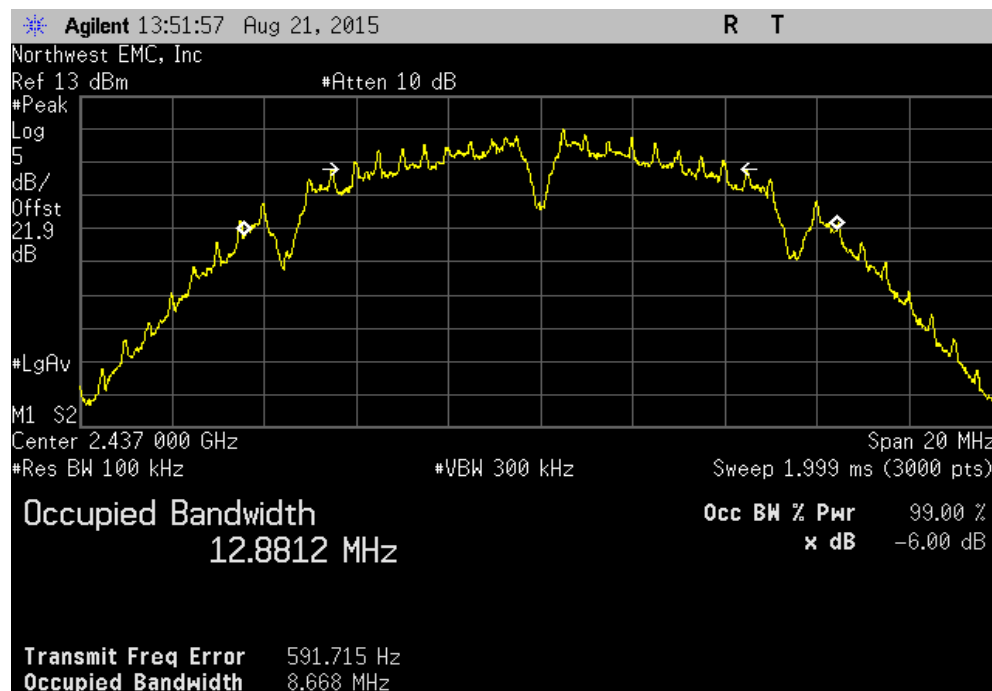
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Power: 110VAC/60Hz	
		Job Site: OC13	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value	Limit (>) Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	7.118 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	8.668 MHz	500 kHz Pass
	High Channel 11, 2462 MHz	8.42 MHz	500 kHz Pass
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	8.439 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	8.619 MHz	500 kHz Pass
	High Channel 11, 2462 MHz	8.627 MHz	500 kHz Pass
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	16.377 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	16.387 MHz	500 kHz Pass
	High Channel 11, 2462 MHz	16.402 MHz	500 kHz Pass
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	16.47 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	16.457 MHz	500 kHz Pass
	High Channel 11, 2462 MHz	16.476 MHz	500 kHz Pass
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	16.442 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	16.472 MHz	500 kHz Pass
	High Channel 11, 2462 MHz	16.47 MHz	500 kHz Pass

OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				7.118 MHz	500 kHz	Pass



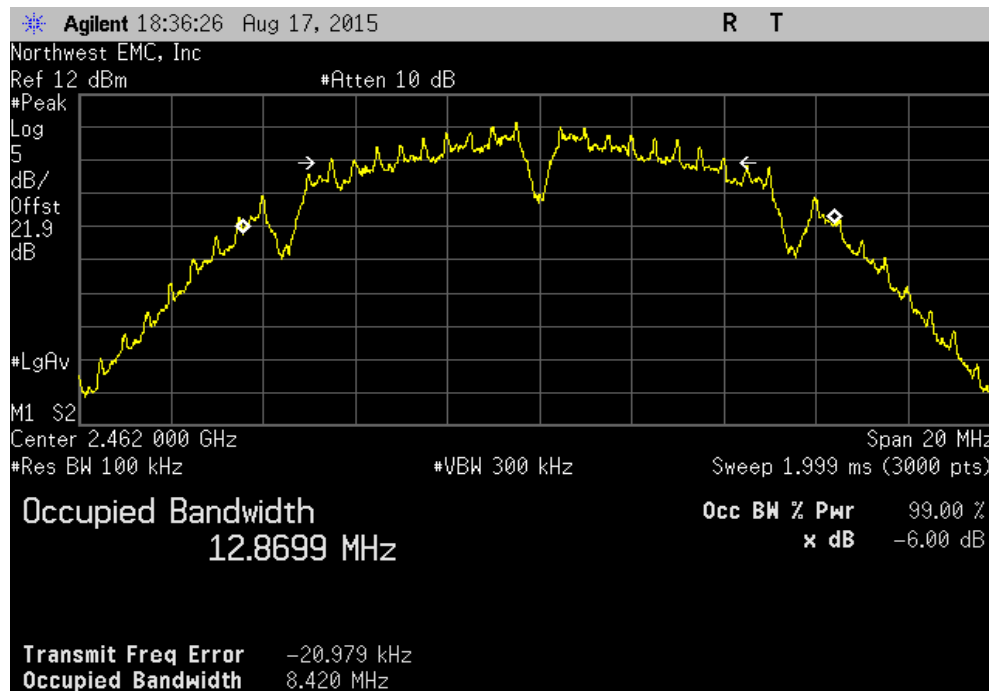
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				8.668 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

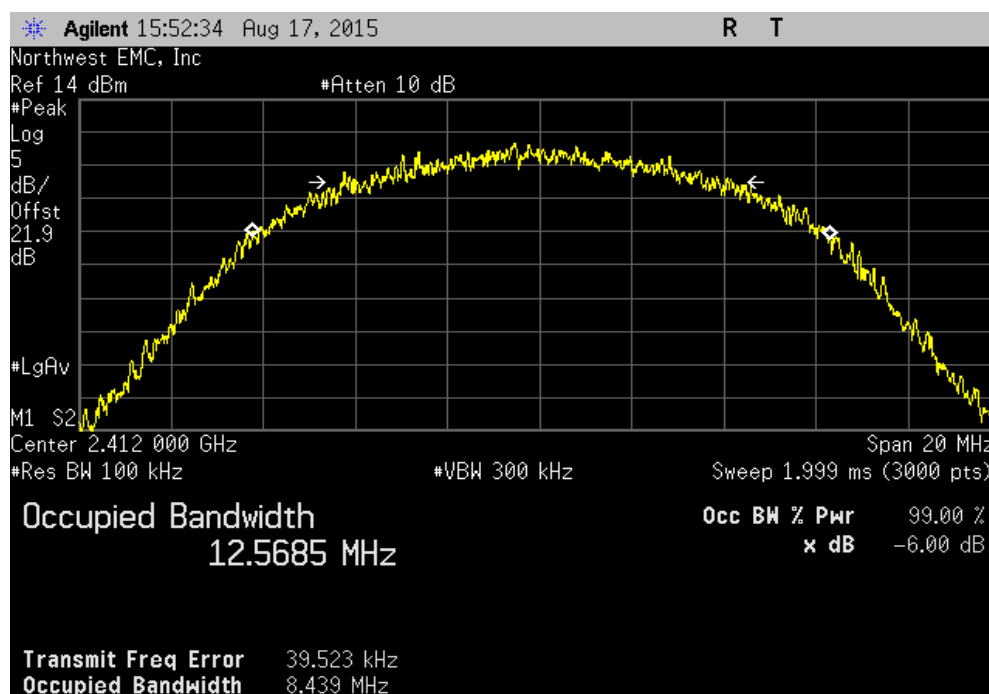
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	8.42 MHz	(> 500 kHz)	Pass



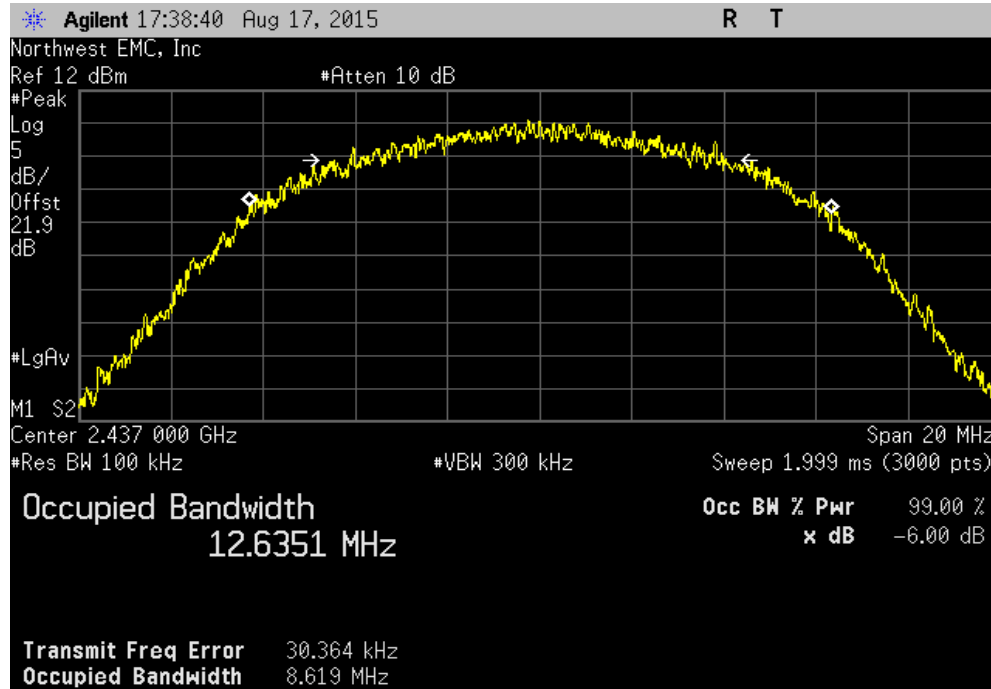
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	8.439 MHz	(> 500 kHz)	Pass

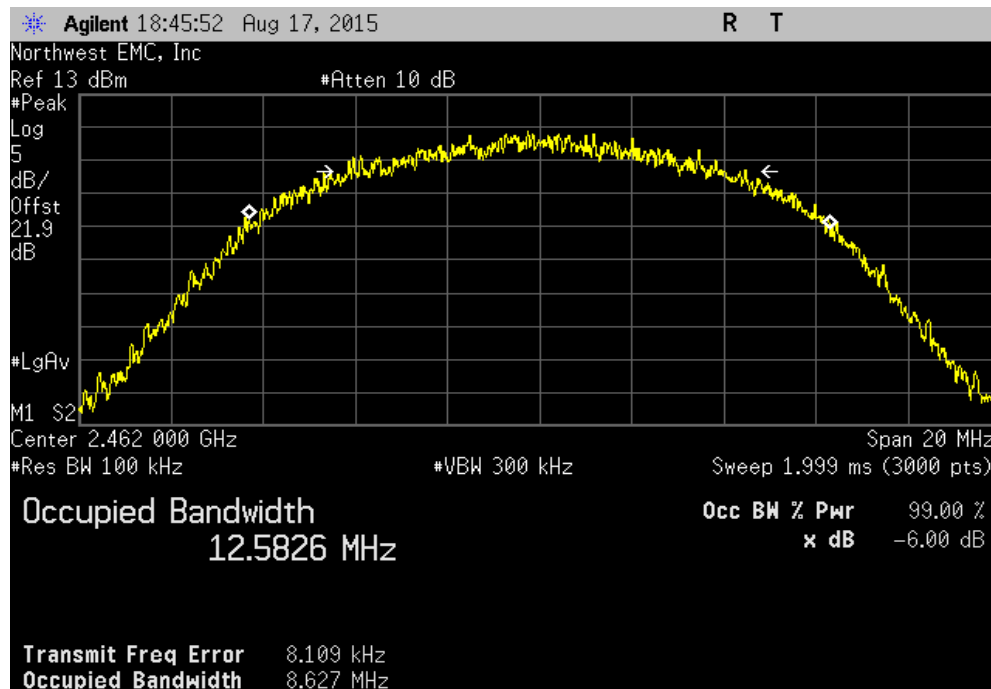


OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				8.619 MHz	500 kHz	Pass



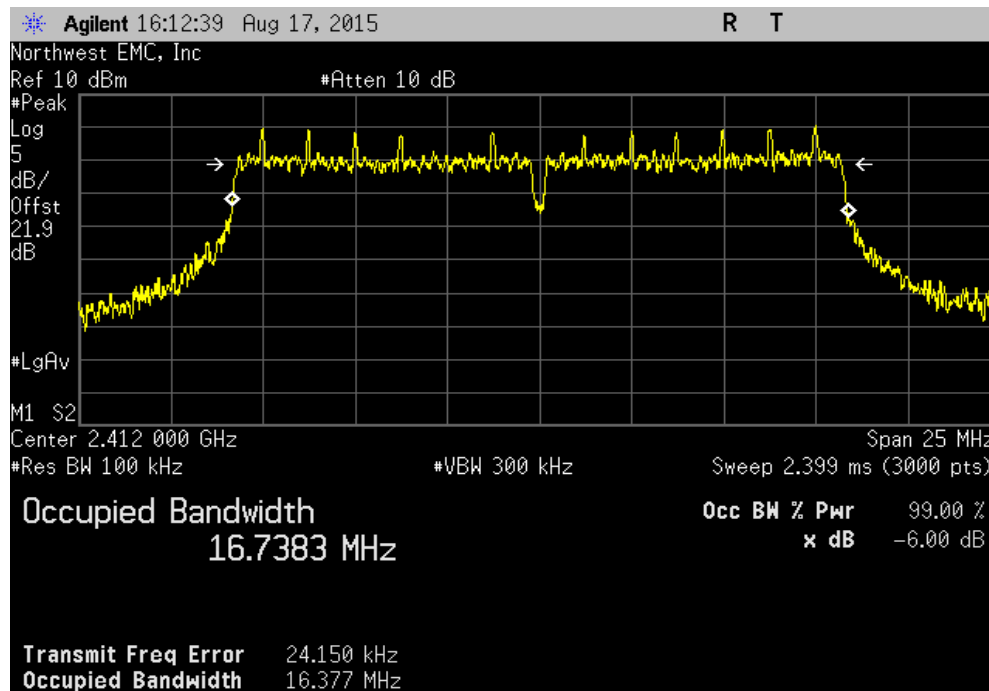
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				8.627 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

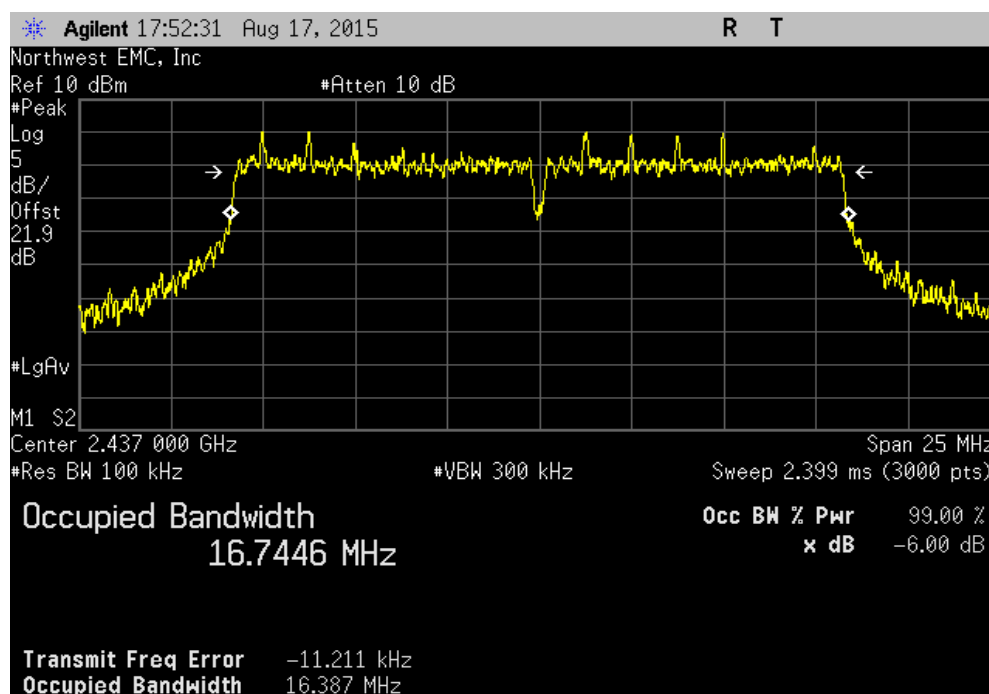
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	16.377 MHz	500 kHz	Pass



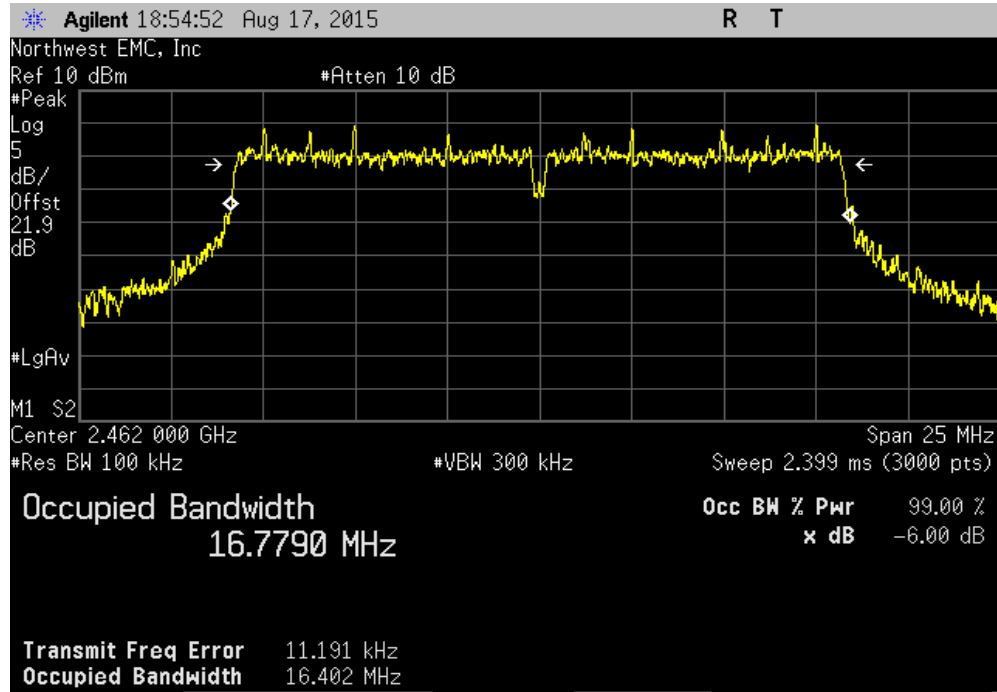
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	16.387 MHz	500 kHz	Pass

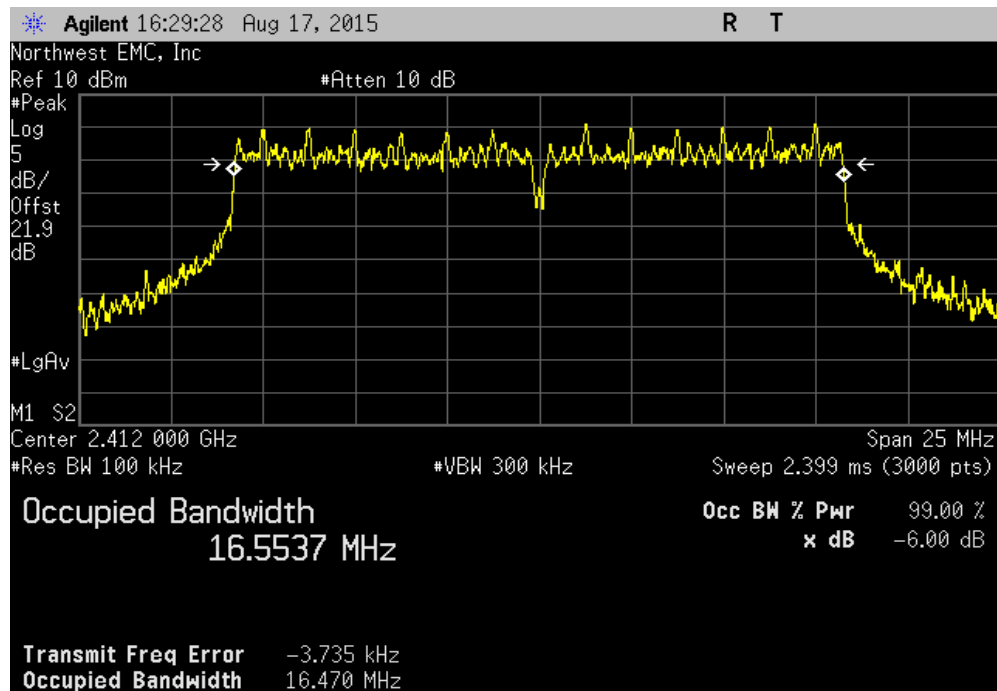


OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				16.402 MHz	500 kHz	Pass

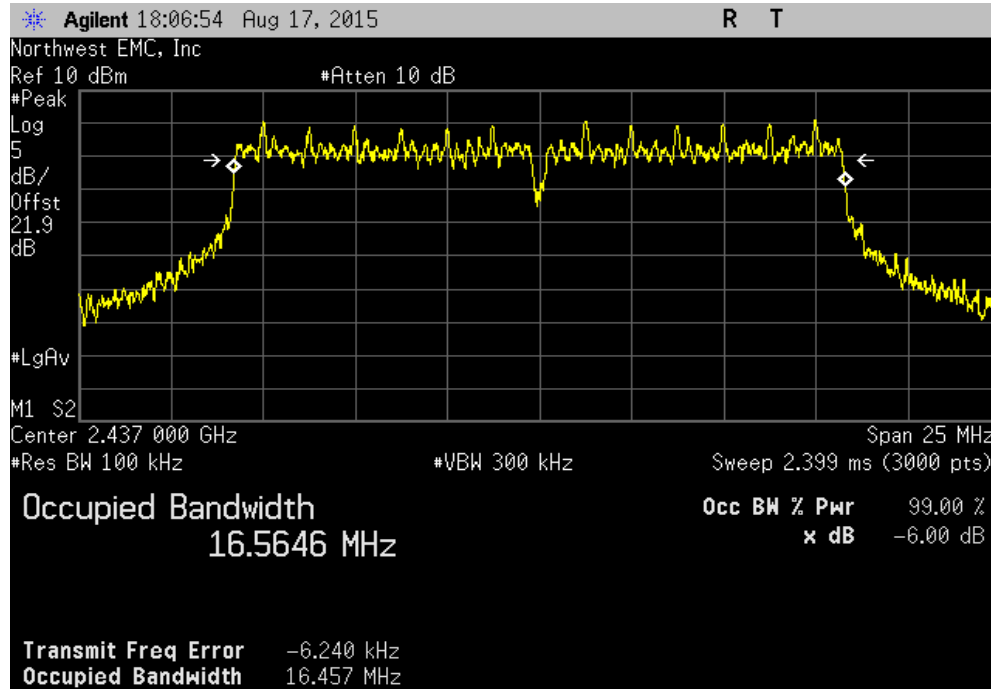


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				16.47 MHz	500 kHz	Pass

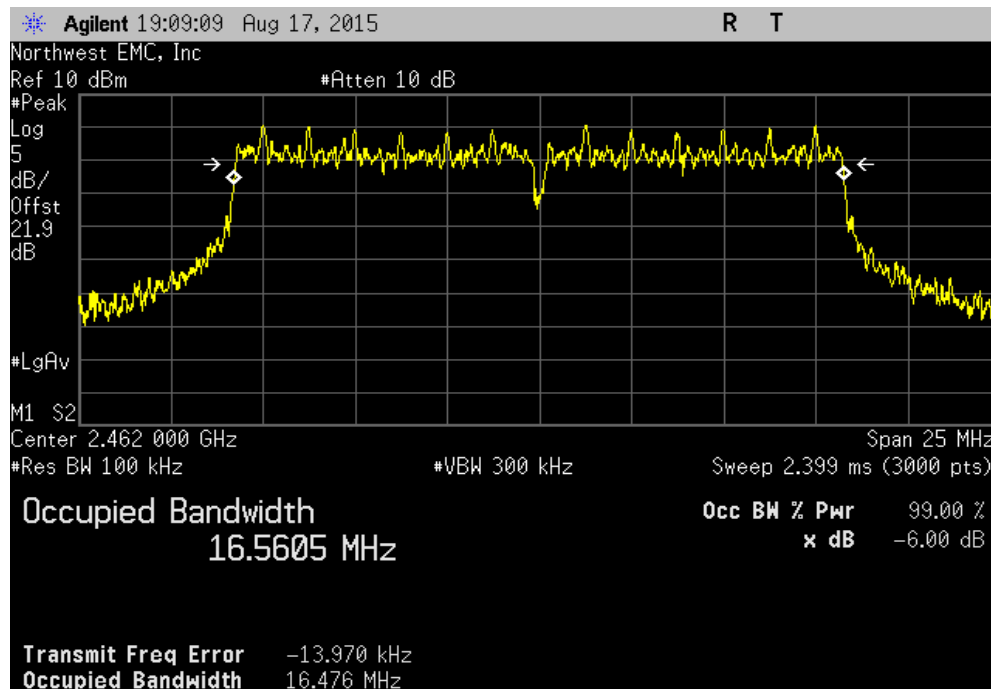


OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				16.457 MHz	500 kHz	Pass

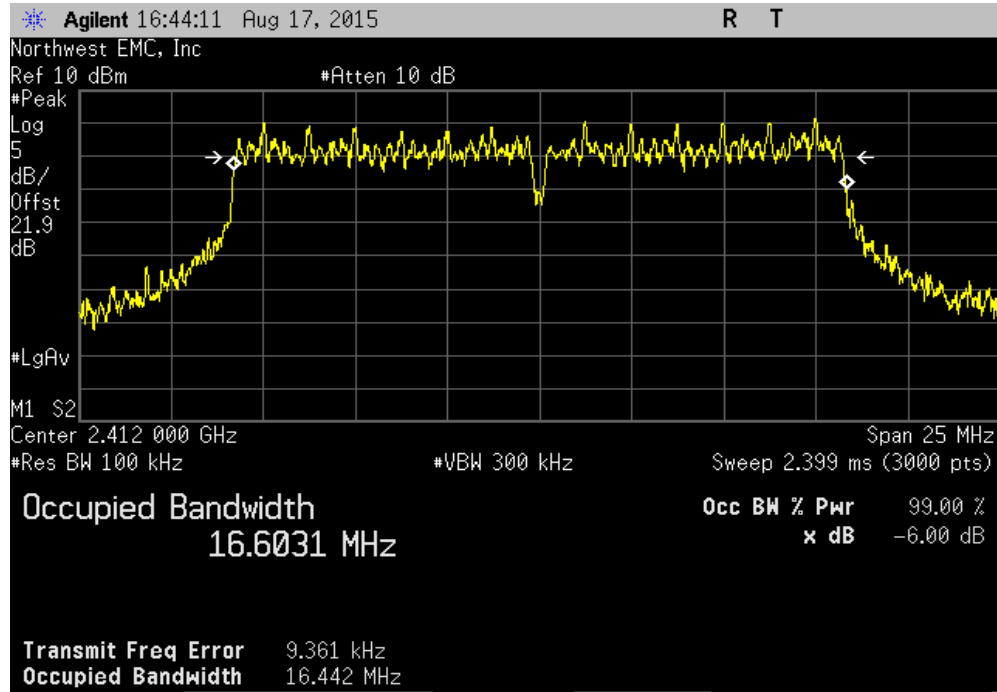


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				16.476 MHz	500 kHz	Pass

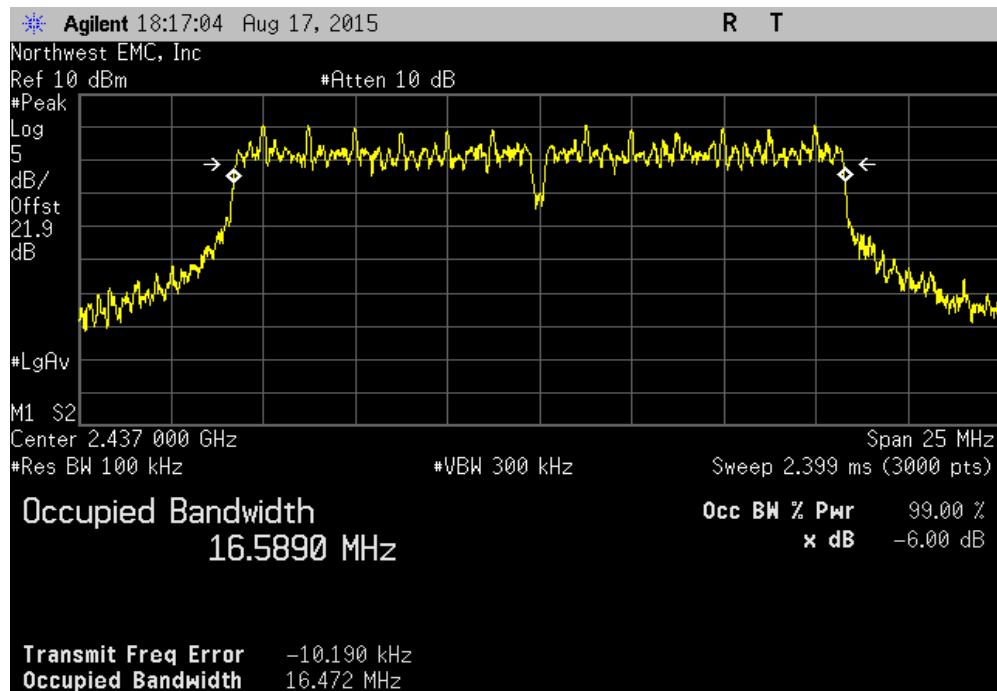


OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				(>)		
				16.442 MHz	500 kHz	Pass

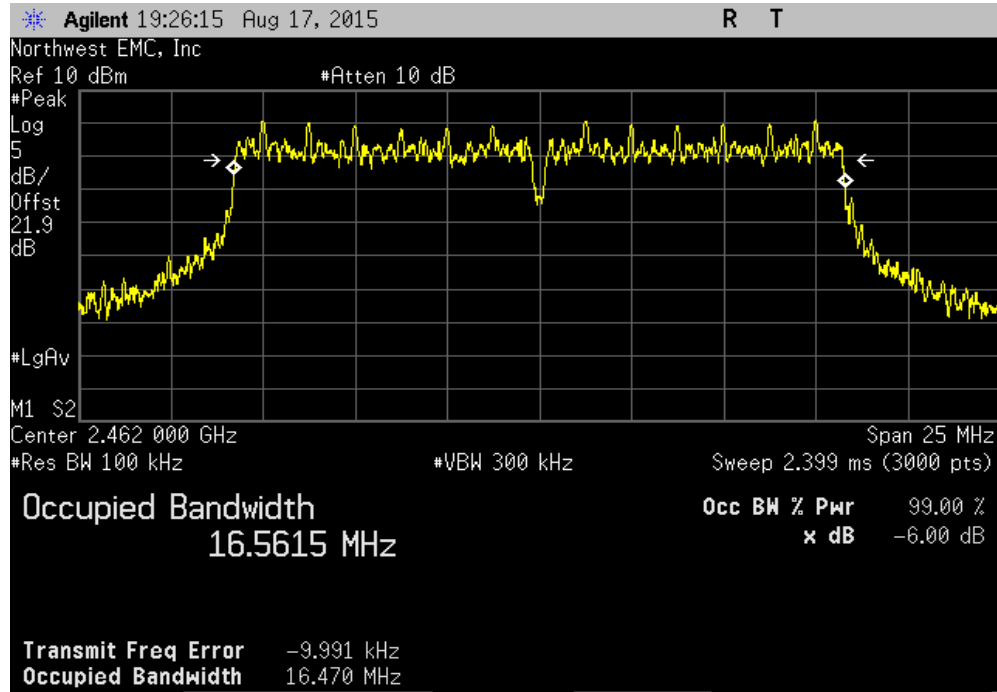


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				(>)		
				16.472 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				(>)		
				16.47 MHz	500 kHz	Pass



OUTPUT POWER

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12

TEST DESCRIPTION


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

Prior to measuring average transmit power the OBW bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Maximum Conducted (average) Output Power. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The method found in KDB 558074 DTS D01 Measurement Section 9.2.1 was used because the RBW on the analyzer was not greater than the DTS Bandwidth of the radio.

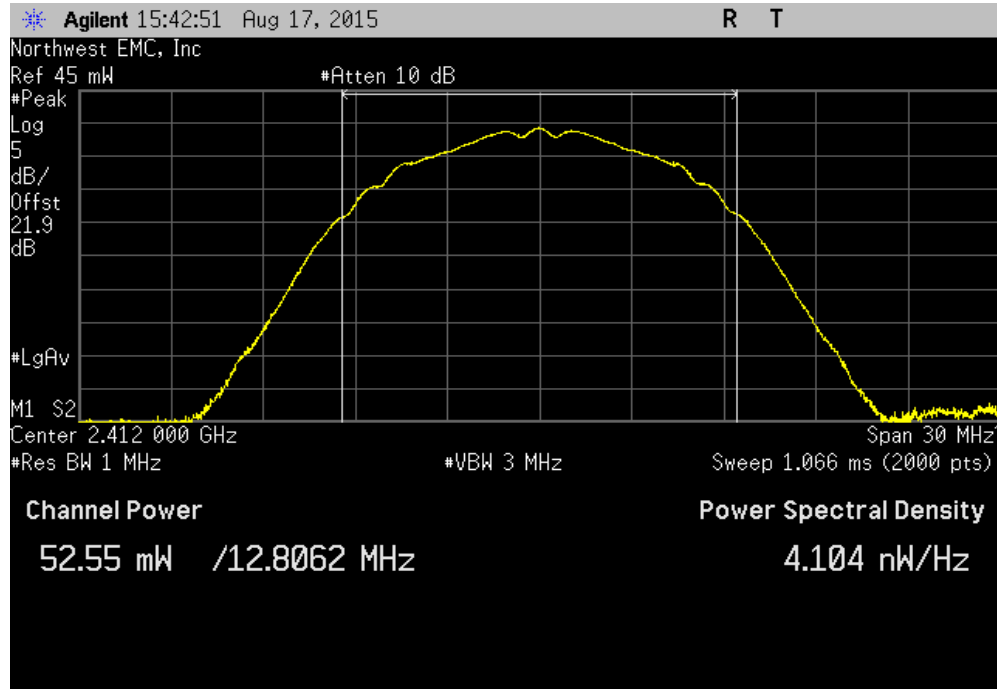
De Facto EIRP Limit: Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36 dBm.

OUTPUT POWER

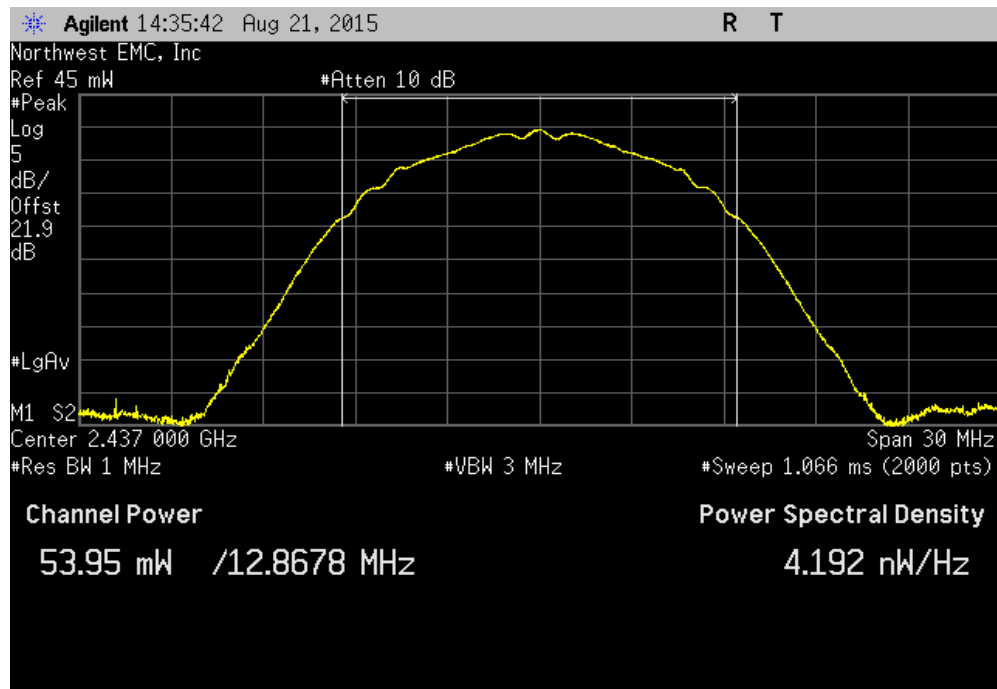
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Power: 110VAC/60Hz	
		Job Site: OC13	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		EIRP Value	Limit (-) Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	52.553 mW	1 W Pass
	Mid Channel 6, 2437 MHz	53.947 mW	1 W Pass
	High Channel 11, 2462 MHz	53.323 mW	1 W Pass
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	49.135 mW	1 W Pass
	Mid Channel 6, 2437 MHz	52.047 mW	1 W Pass
	High Channel 11, 2462 MHz	49.355 mW	1 W Pass
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	48.738 mW	1 W Pass
	Mid Channel 6, 2437 MHz	50.94 mW	1 W Pass
	High Channel 11, 2462 MHz	50.57 mW	1 W Pass
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	53.199 mW	1 W Pass
	Mid Channel 6, 2437 MHz	51.3 mW	1 W Pass
	High Channel 11, 2462 MHz	51.693 mW	1 W Pass
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	53.732 mW	1 W Pass
	Mid Channel 6, 2437 MHz	52.815 mW	1 W Pass
	High Channel 11, 2462 MHz	53.318 mW	1 W Pass

OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				EIRP Value	Limit ($<$)	Result
				52.553 mW	1 W	Pass

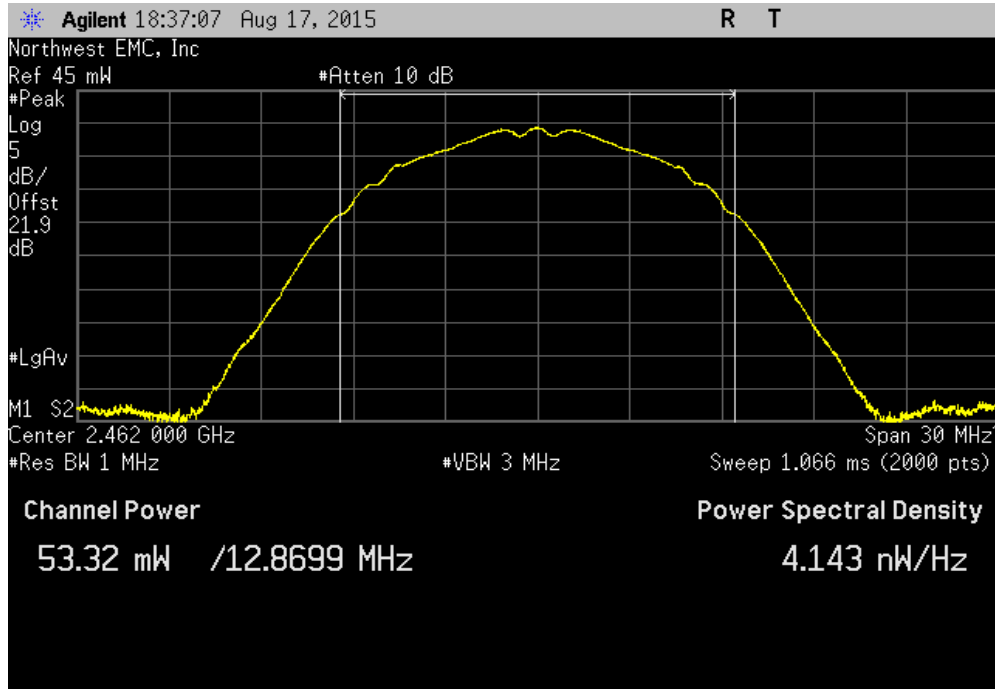


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				EIRP Value	Limit ($<$)	Result
				53.947 mW	1 W	Pass

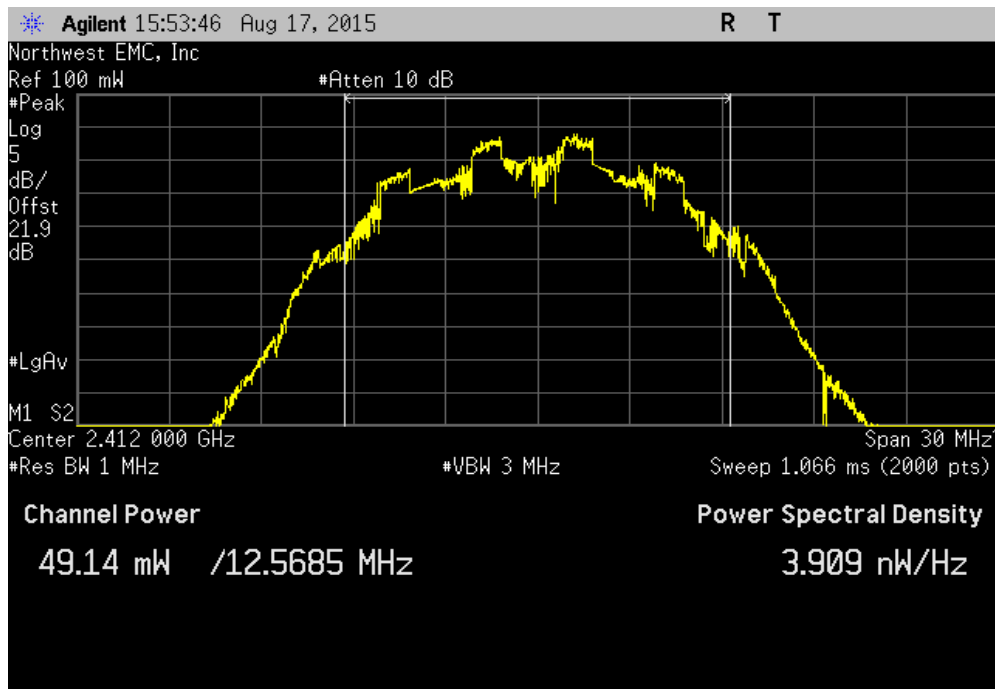


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	EIRP		Limit		Result	
	Value		(<)			
	53.323 mW		1 W		Pass	

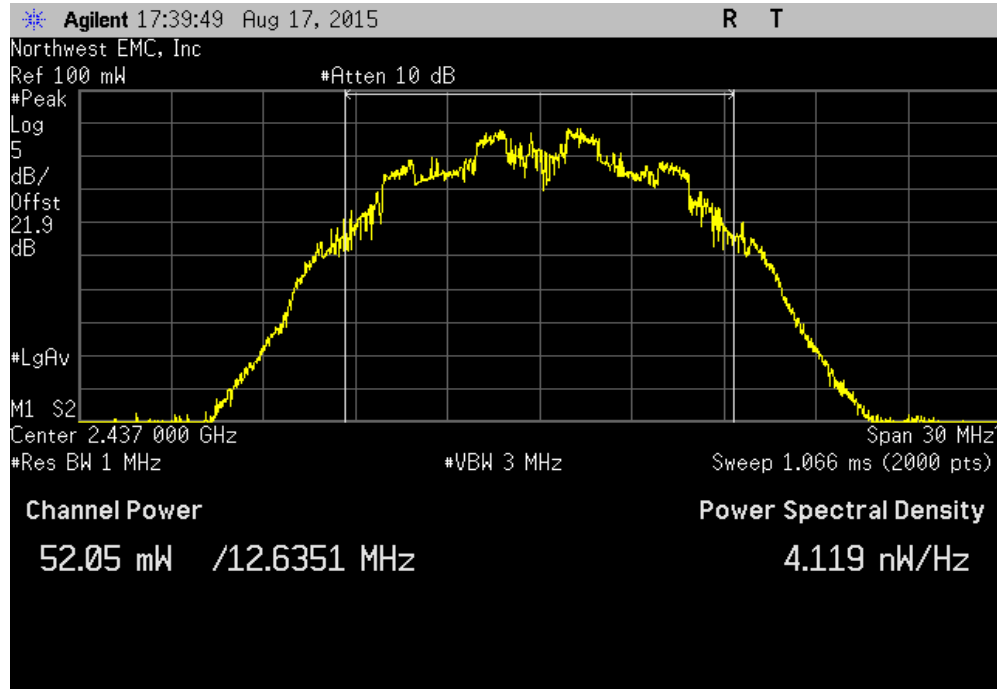


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	EIRP		Limit		Result	
	Value		(<)			
	49.135 mW		1 W		Pass	

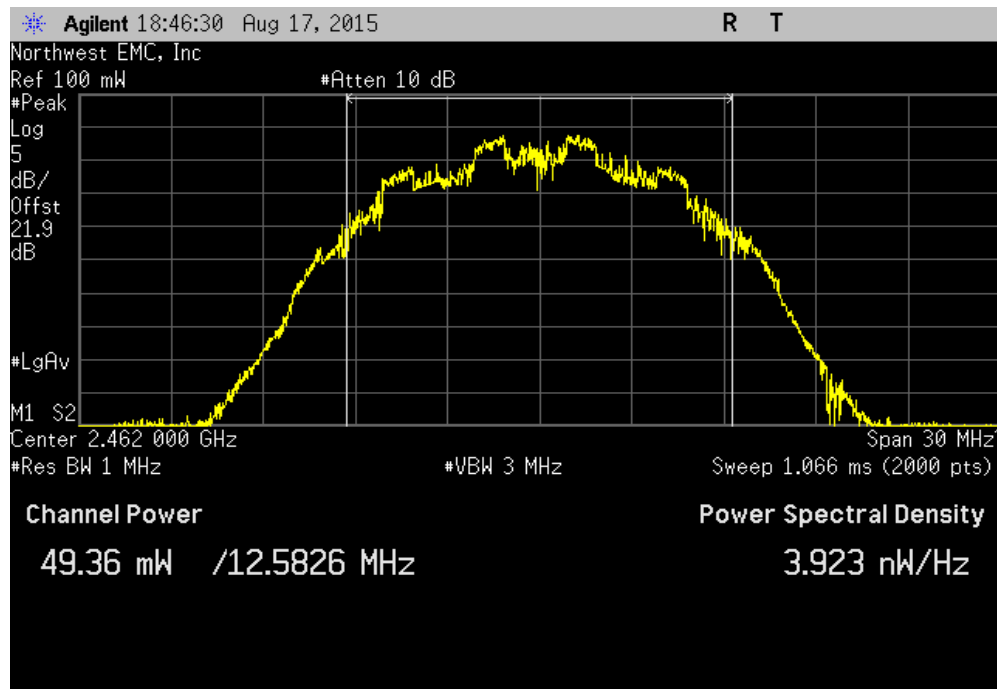


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				EIRP Value	Limit ($<$)	Result
				52.047 mW	1 W	Pass

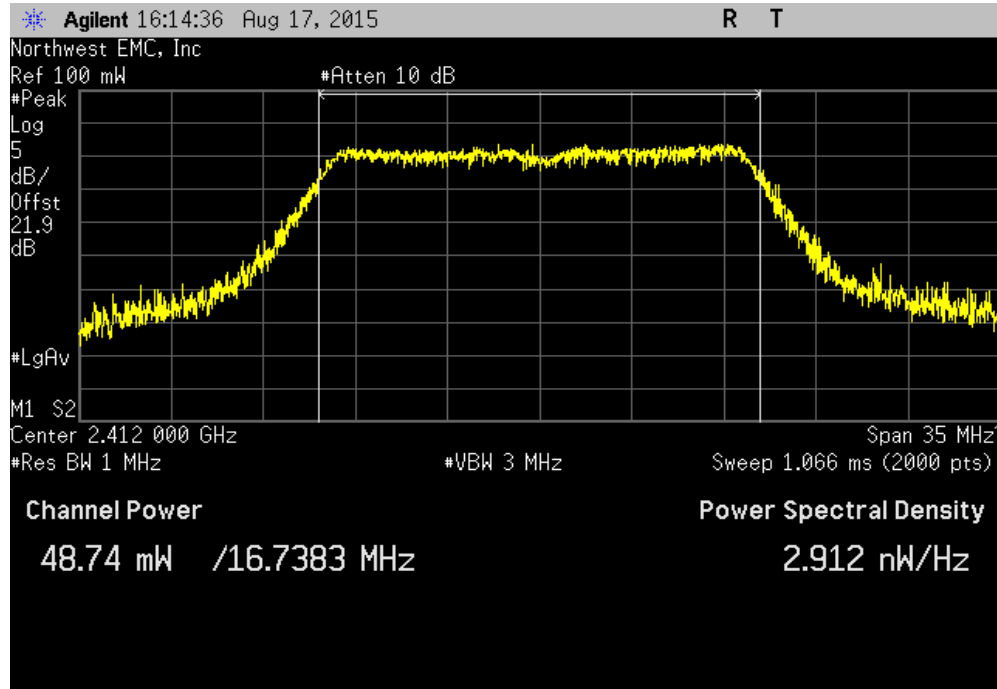


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				EIRP Value	Limit ($<$)	Result
				49.355 mW	1 W	Pass

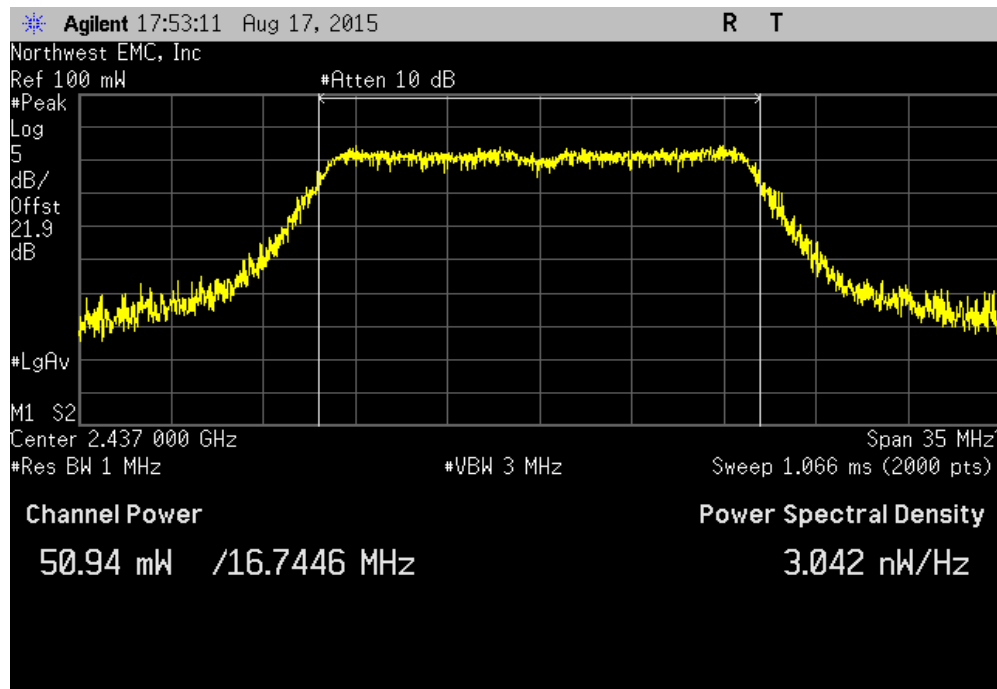


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
EIRP				Limit	Result	
Value				(<)		
48.738 mW				1 W	Pass	

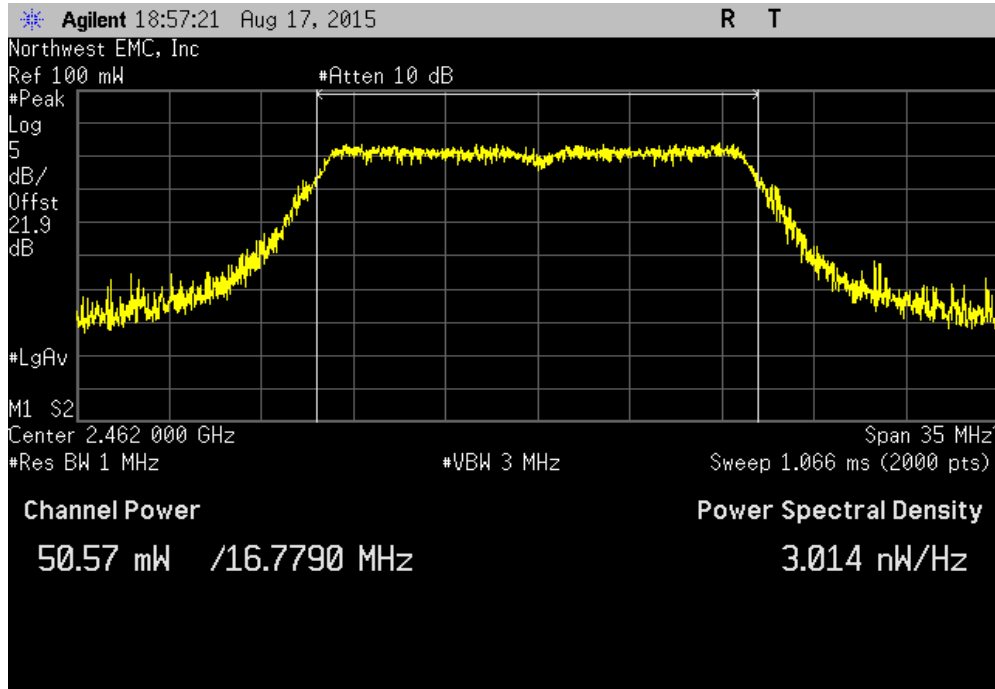


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
EIRP				Limit	Result	
Value				(<)		
50.94 mW				1 W	Pass	

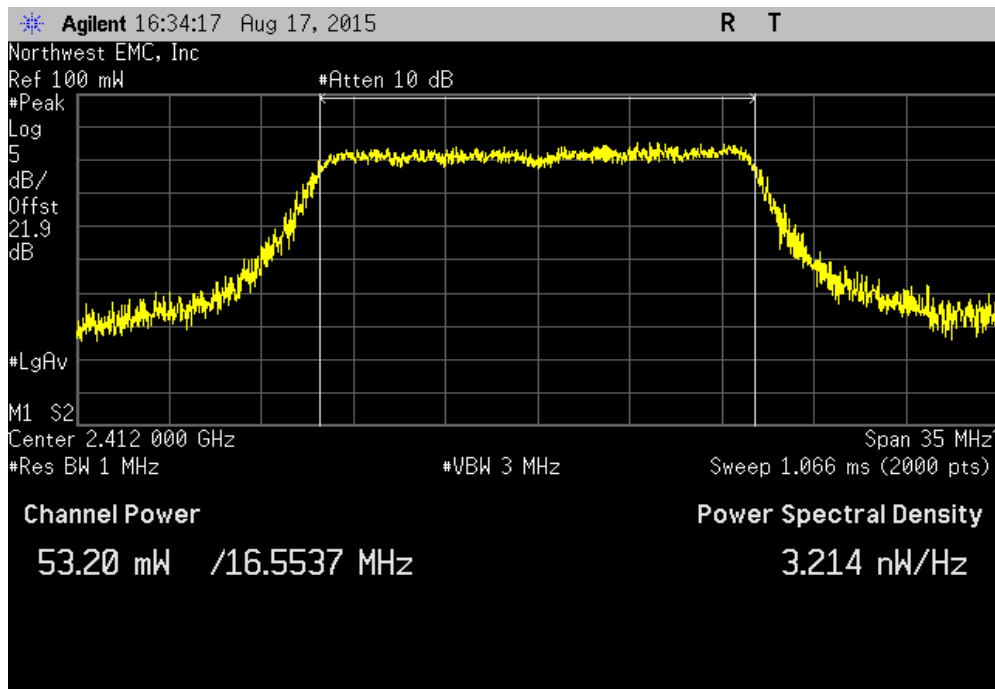


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	EIRP		Limit		Result	
	Value		(<)			
	50.57 mW		1 W		Pass	

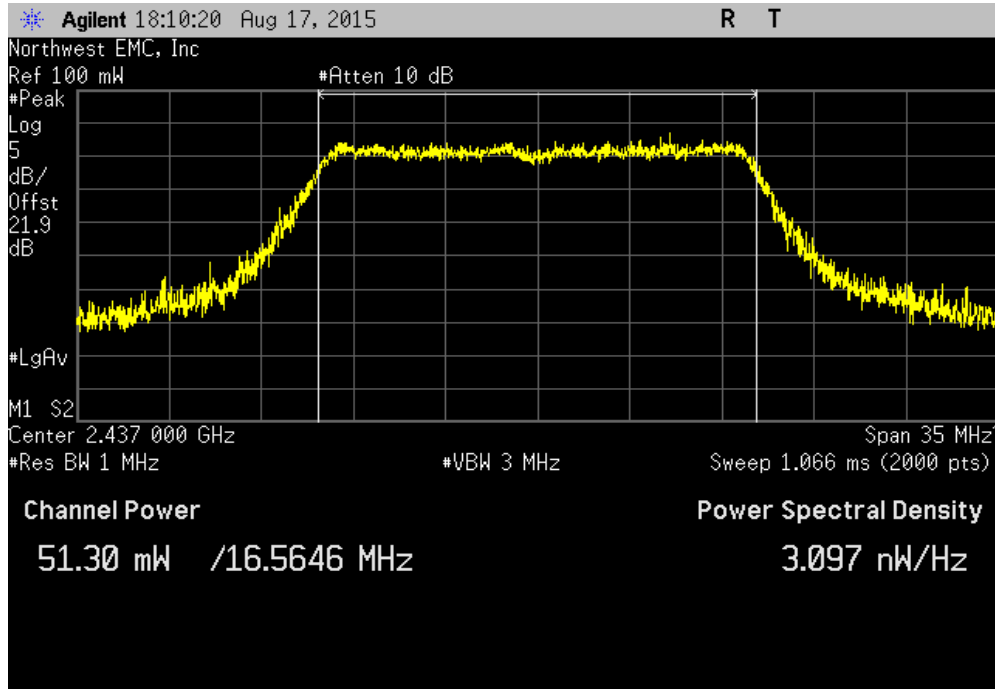


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	EIRP		Limit		Result	
	Value		(<)			
	53.199 mW		1 W		Pass	

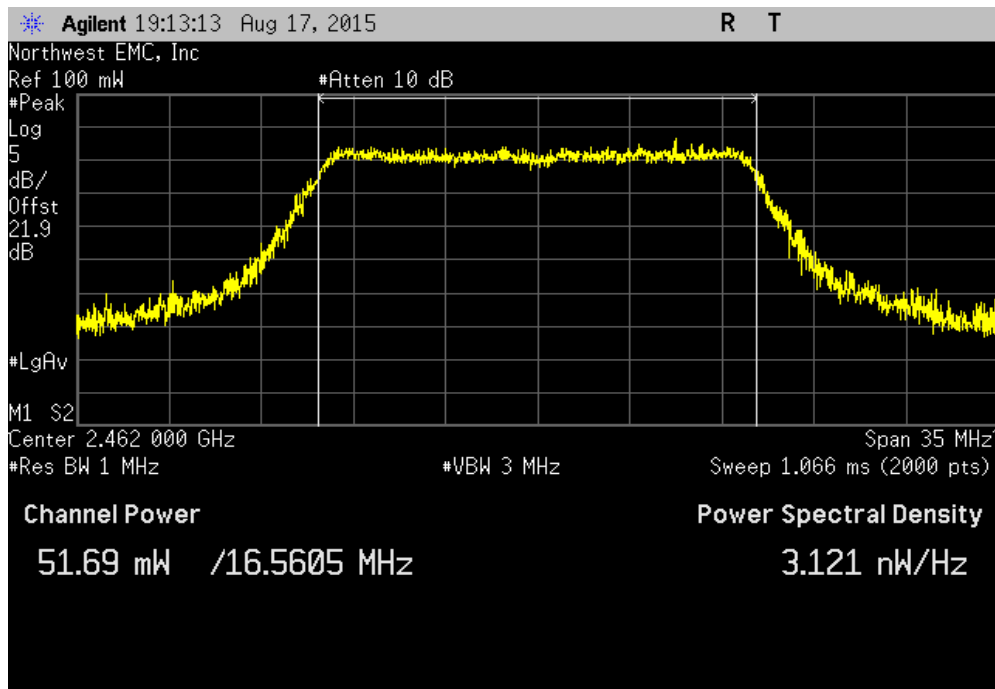


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
EIRP				Limit	Result	
Value				(<)		
51.3 mW				1 W	Pass	

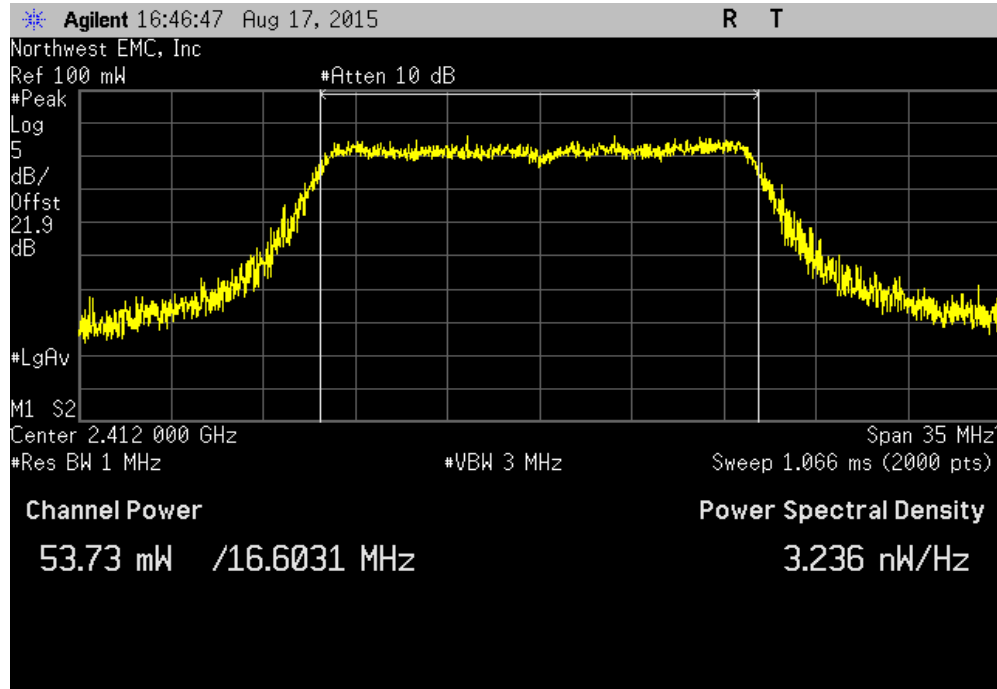


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
EIRP				Limit	Result	
Value				(<)		
51.693 mW				1 W	Pass	

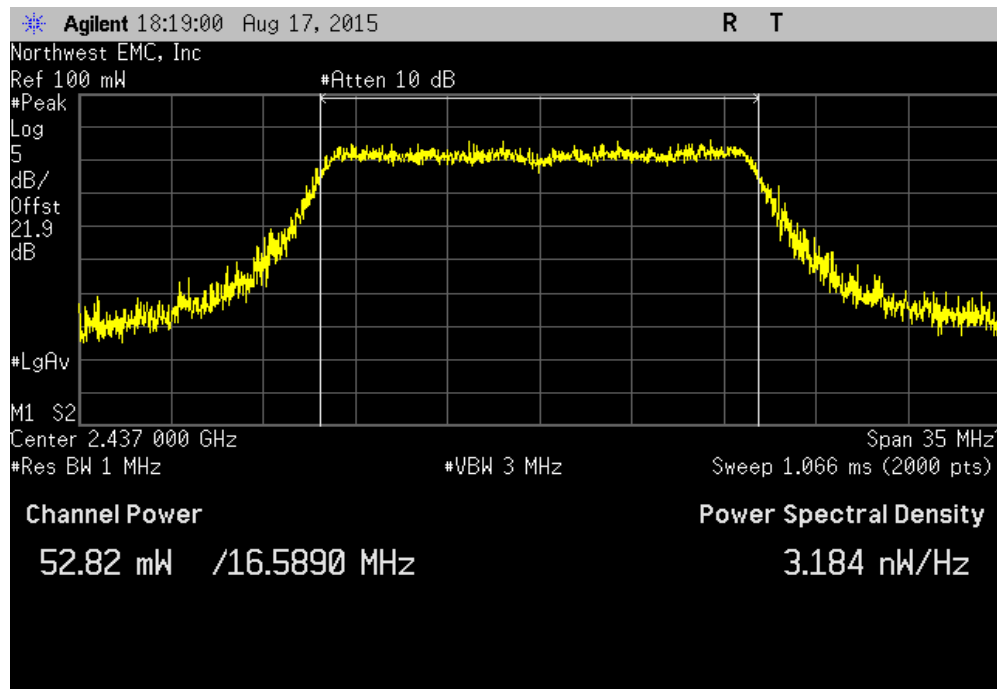


OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	EIRP	Limit	Result			
	Value	($<$)				
	53.732 mW	1 W	Pass			

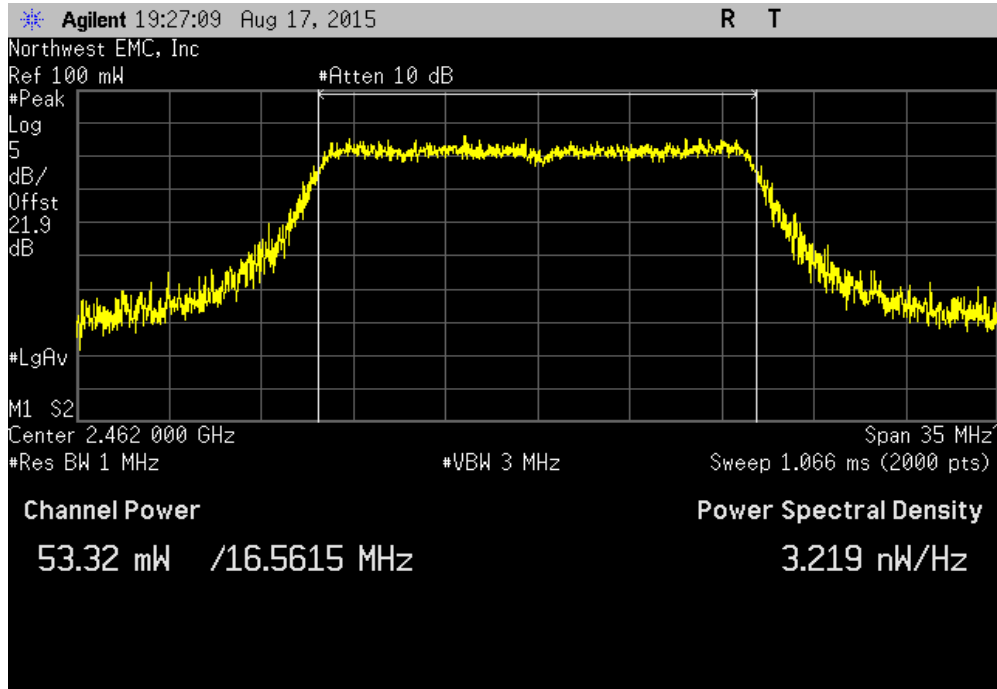


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	EIRP	Limit	Result			
	Value	($<$)				
	52.815 mW	1 W	Pass			



OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
EIRP				Limit		
Value				(<)	Result	
53.318 mW				1 W	Pass	



POWER SPECTRAL DENSITY

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12

TEST DESCRIPTION

The maximum power spectral density measurements were measured with the EUT set to the required transmit frequencies in each 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 lowest, middle, and maximum data rate for each modulation type available.

Per the procedure outlined in FCC KDB 558074 D01 DTS Measurement Section 10.2, the spectrum analyzer was used as follows:

- RBW = 100 kHz
- VBW = 300 kHz
- Detector = Peak (to match method used for power measurement)
- Trace = Max hold


The observed power level is then scaled to an equivalent value in 3 kHz by adding a Bandwidth Correction Factor (BWCF) where:

$$\text{BWCF} = 10 \cdot \text{LOG} (3 \text{ kHz} / 100 \text{ kHz}) = -15.2 \text{ dB}$$

POWER SPECTRAL DENSITY

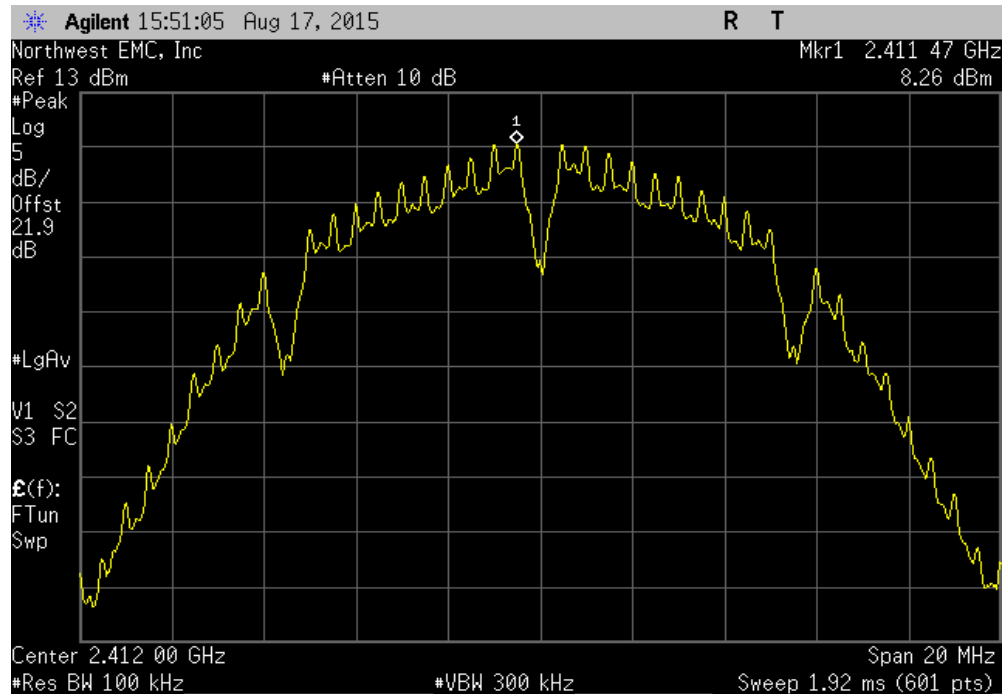


XMR 2015.01.14

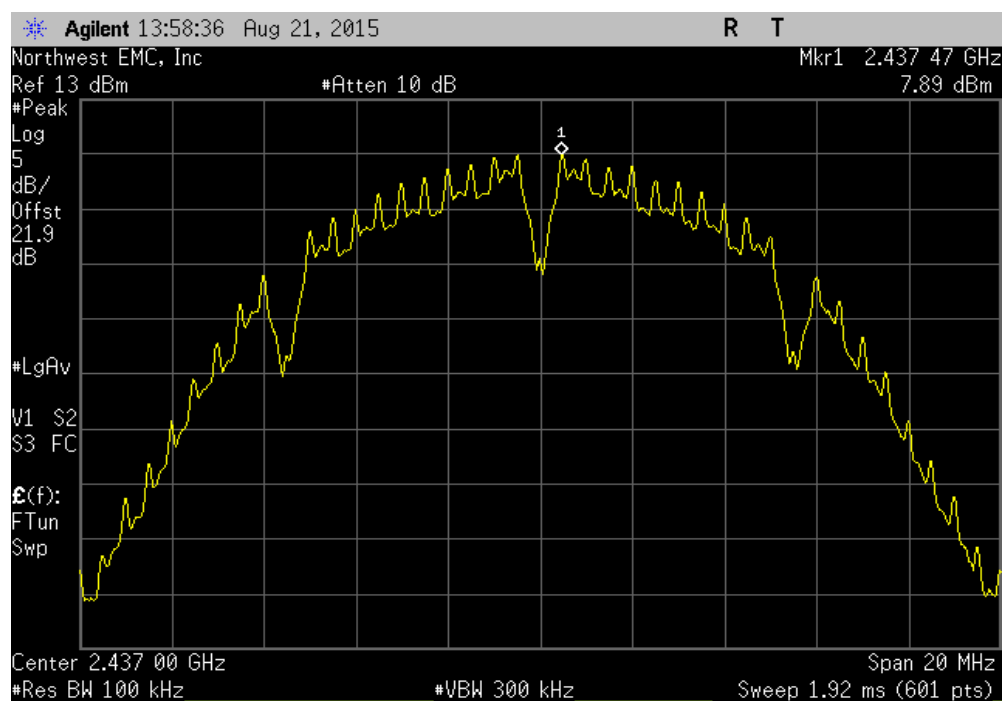
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Power: 110VAC/60Hz	
		Job Site: OC13	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz
		Value dBm/3kHz	Limit dBm/3kHz
			Results
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	8.262	-15.2
	Mid Channel 6, 2437 MHz	7.885	-15.2
	High Channel 11, 2462 MHz	8.02	-15.2
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	8.201	-15.2
	Mid Channel 6, 2437 MHz	8.95	-15.2
	High Channel 11, 2462 MHz	8.119	-15.2
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	5.113	-15.2
	Mid Channel 6, 2437 MHz	5.365	-15.2
	High Channel 11, 2462 MHz	5.239	-15.2
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	5.8	-15.2
	Mid Channel 6, 2437 MHz	5.438	-15.2
	High Channel 11, 2462 MHz	5.434	-15.2
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	5.807	-15.2
	Mid Channel 6, 2437 MHz	5.485	-15.2
	High Channel 11, 2462 MHz	5.499	-15.2

POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	8.262	-15.2	-6.938	8	Pass	

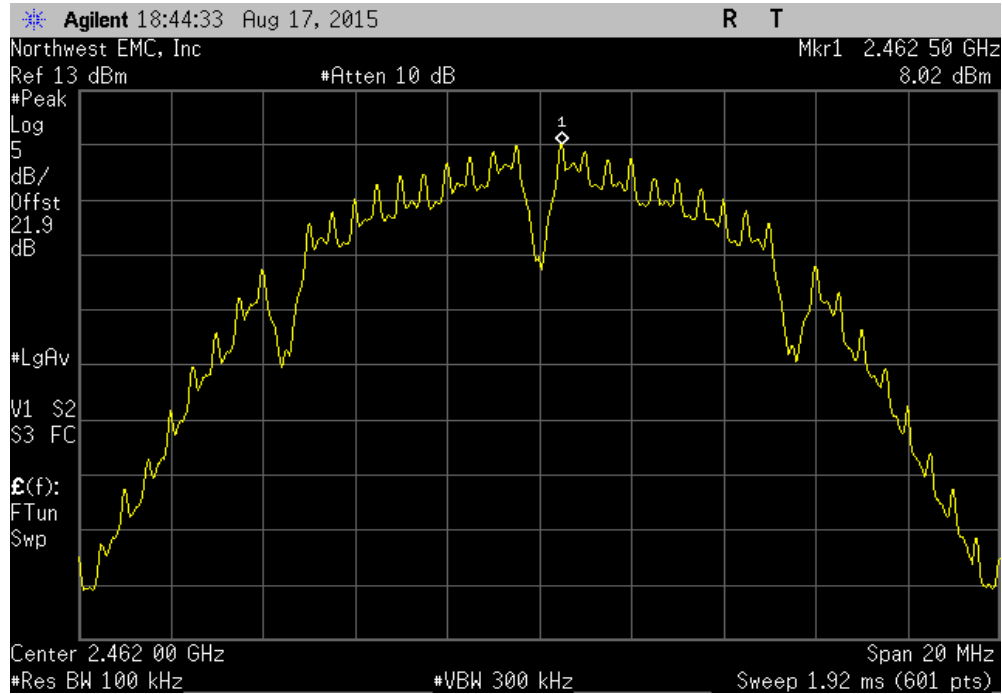


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	7.885	-15.2	-7.315	8	Pass	

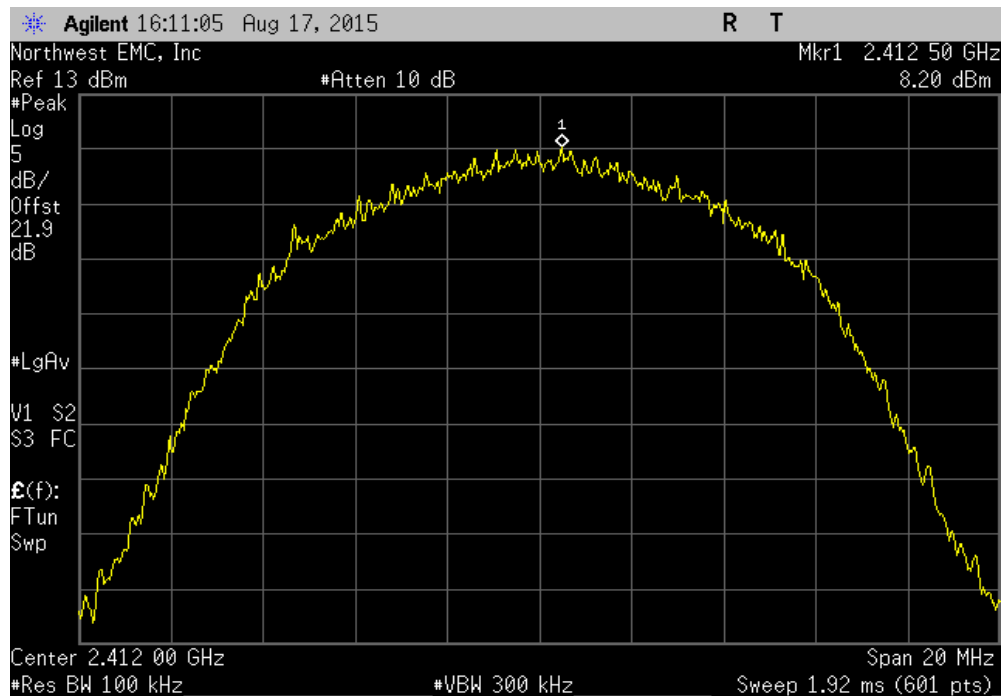


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	8.02	-15.2	-7.18	8	Pass	

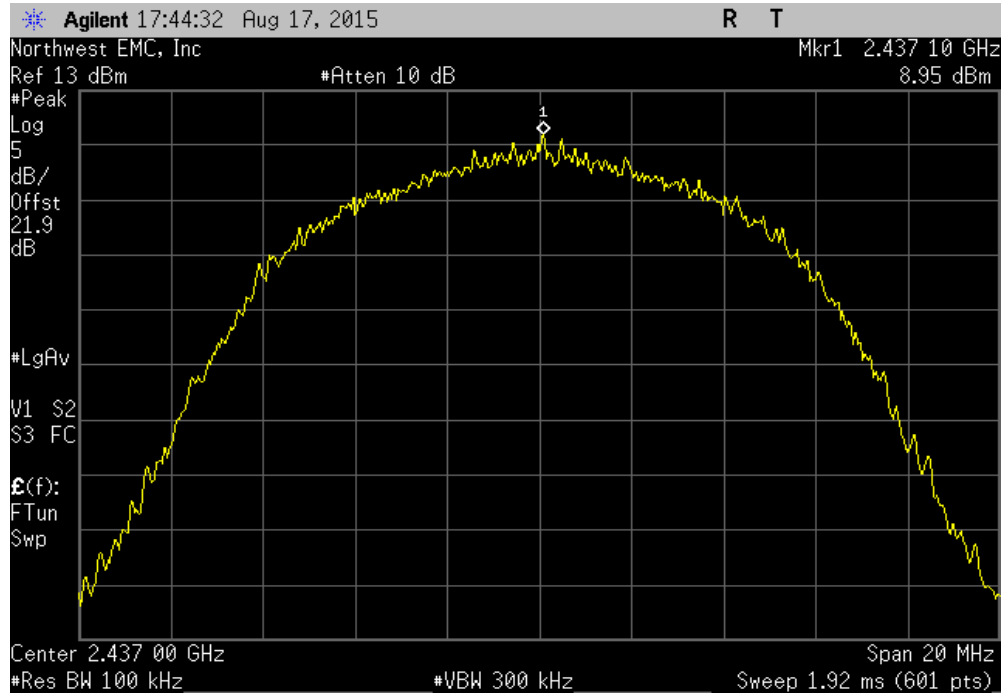


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	8.201	-15.2	-6.999	8	Pass	

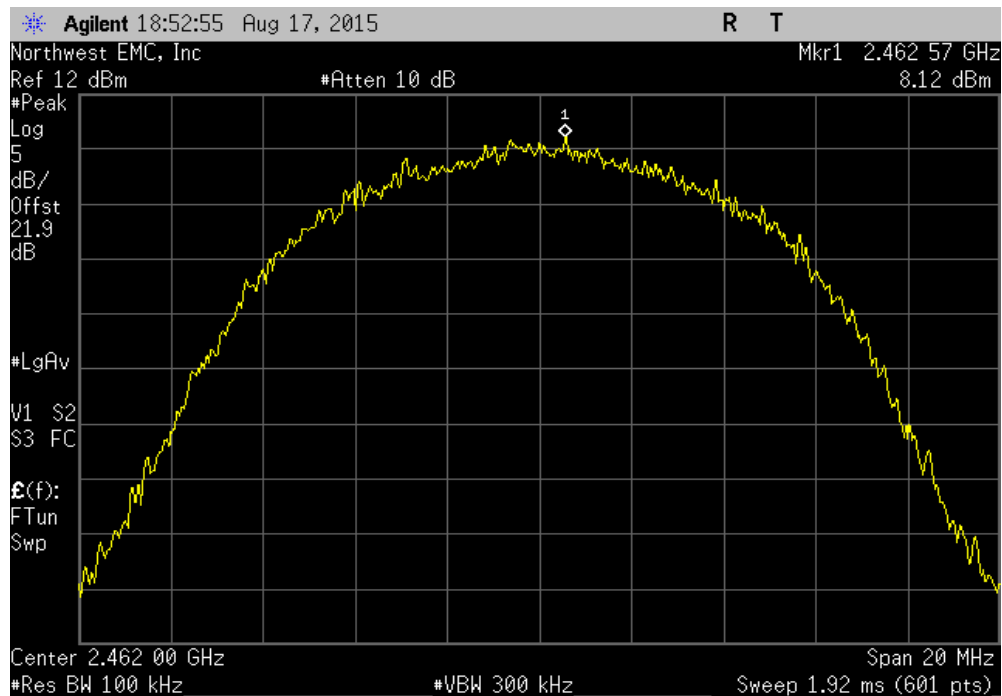


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	8.95	-15.2	-6.25	8	Pass

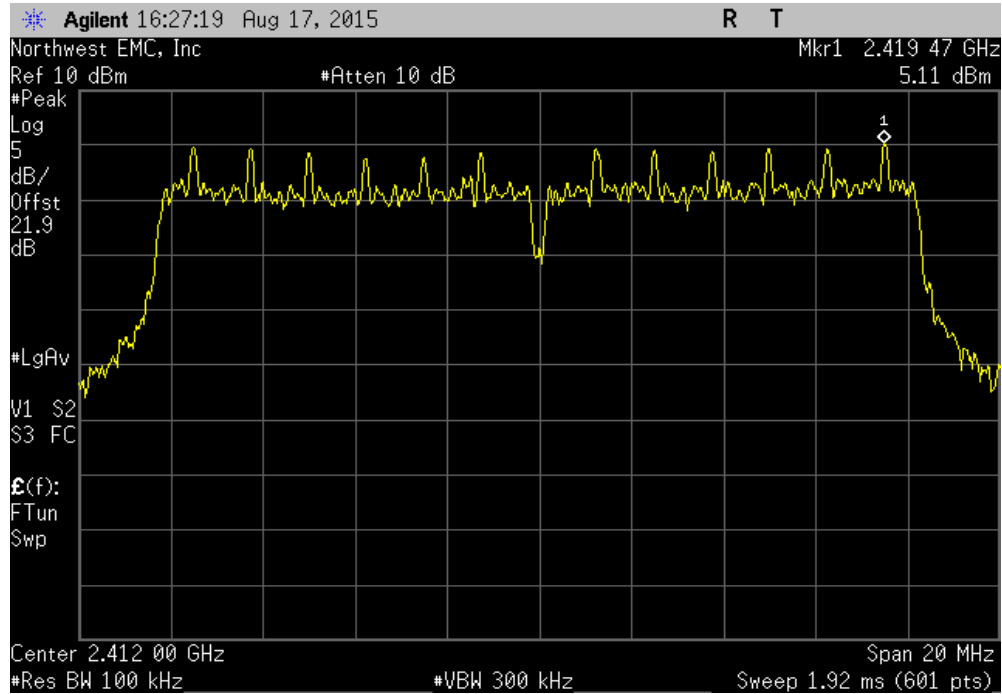


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	8.119	-15.2	-7.081	8	Pass

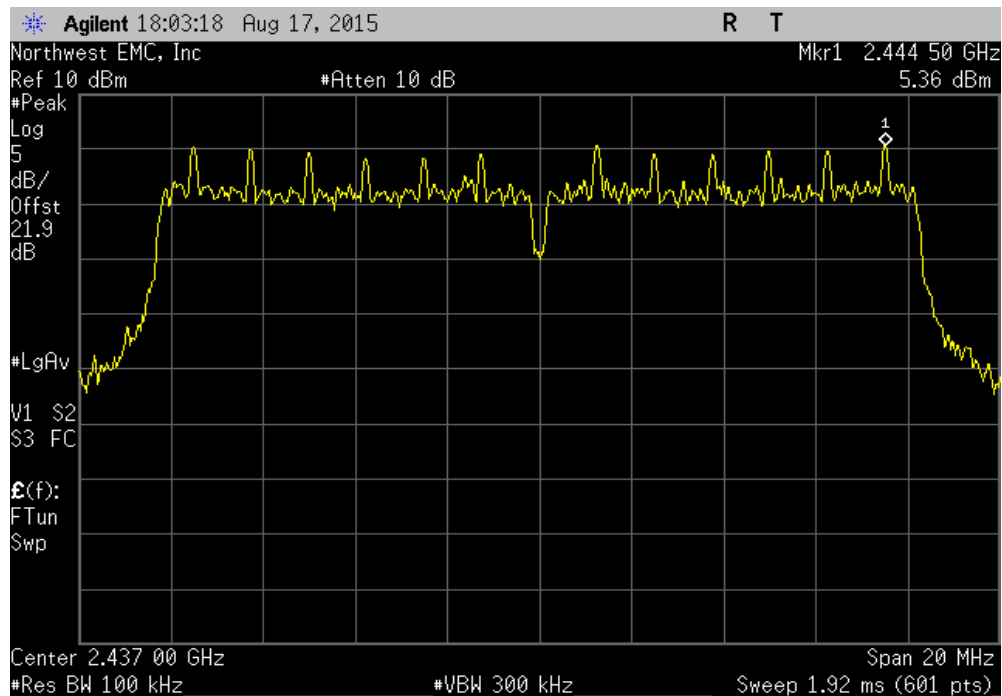


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	5.113	-15.2	-10.087	8	Pass

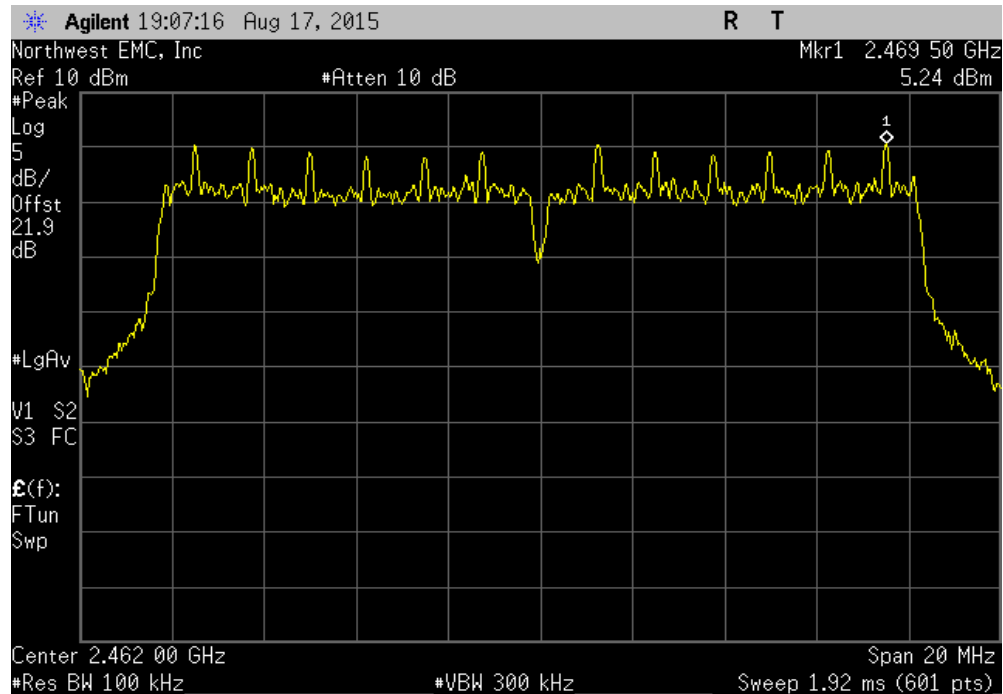


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	5.365	-15.2	-9.835	8	Pass

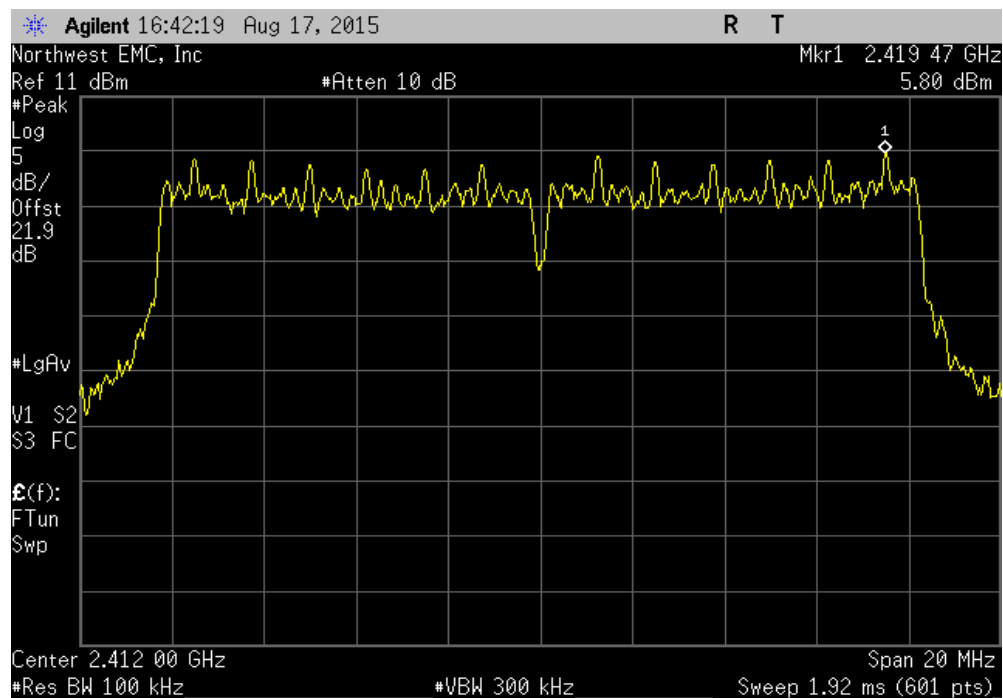


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
		To dBm/3kHz				
	5.239	-15.2	-9.961	8	Pass	

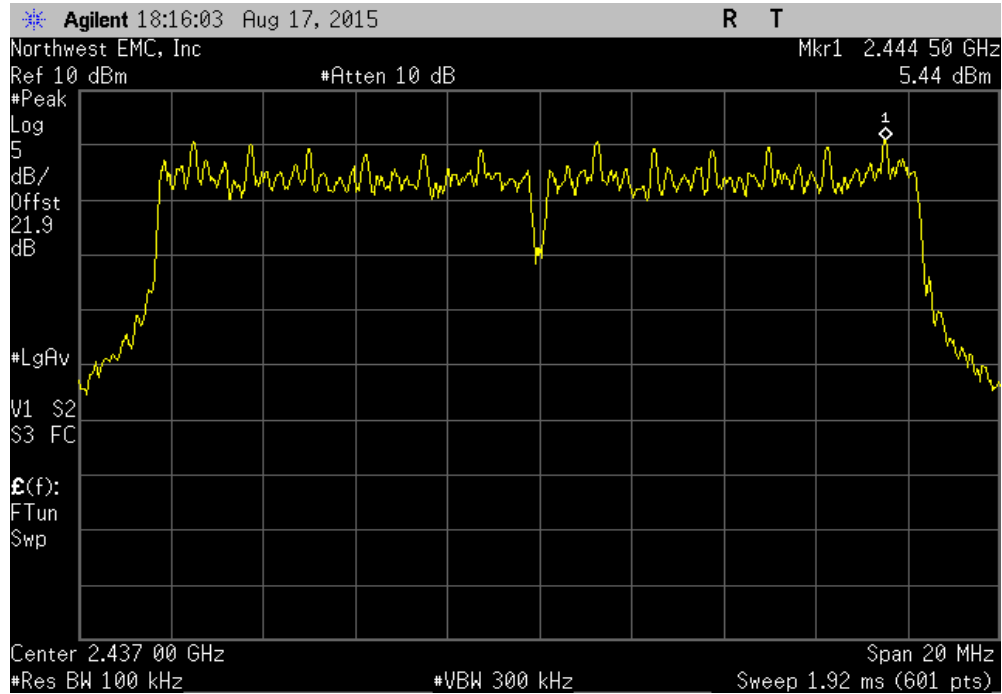


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
		To dBm/3kHz				
	5.8	-15.2	-9.4	8	Pass	

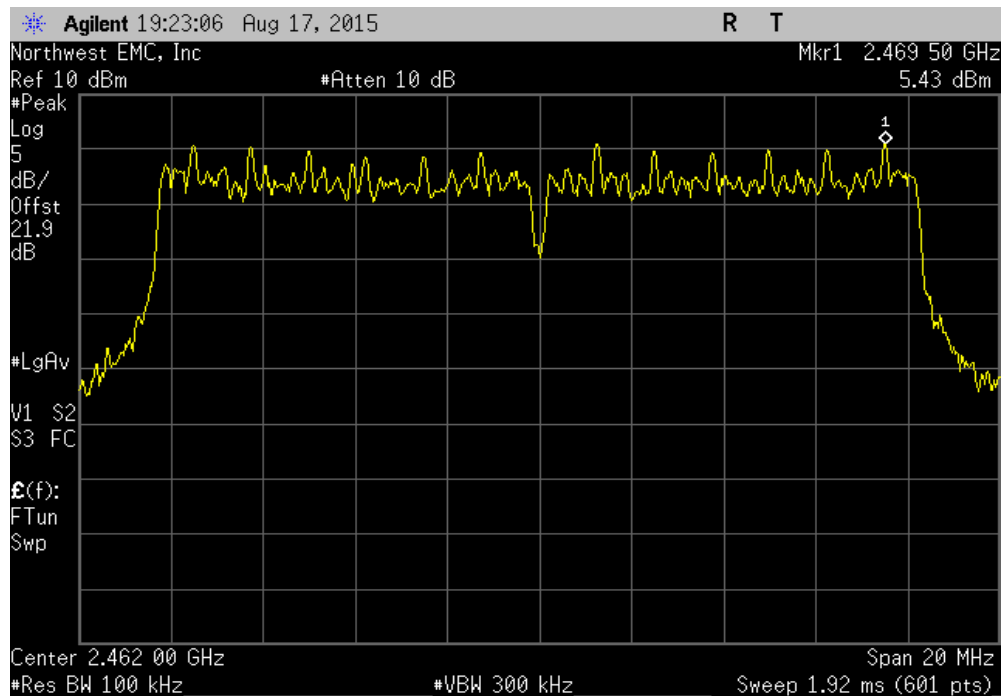


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	5.438	-15.2	-9.762	8	Pass	

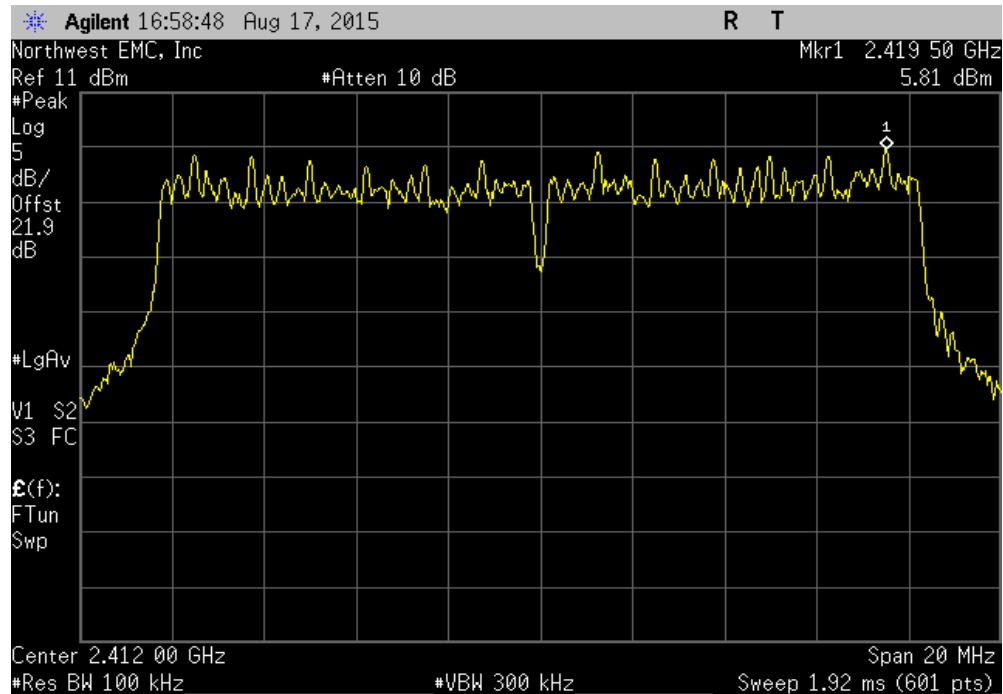


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	5.434	-15.2	-9.766	8	Pass	

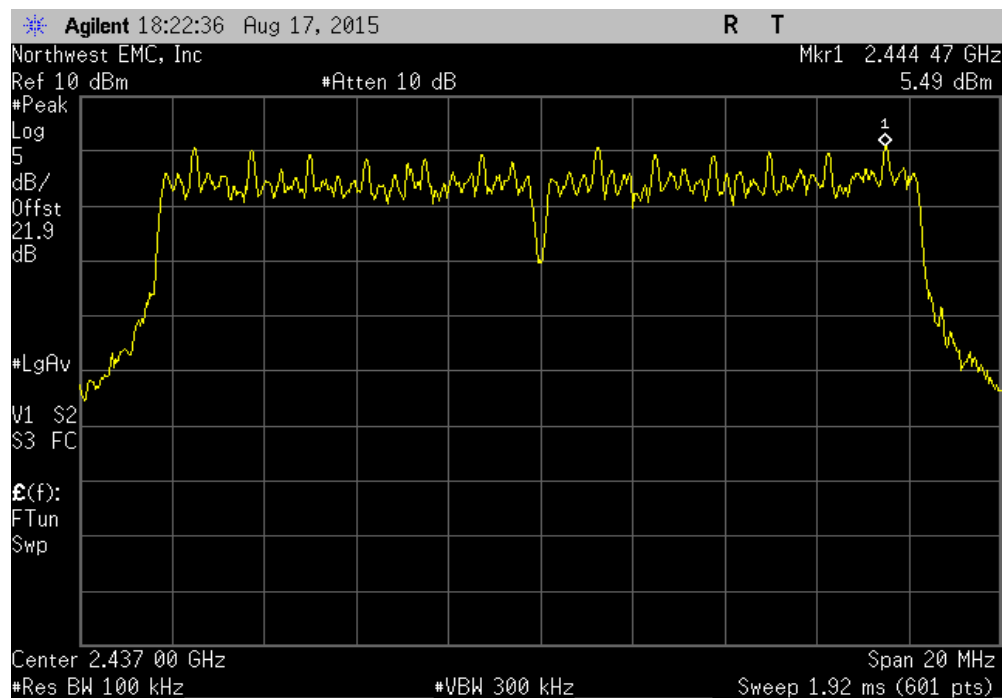


POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	5.807	-15.2	-9.393	8	Pass	

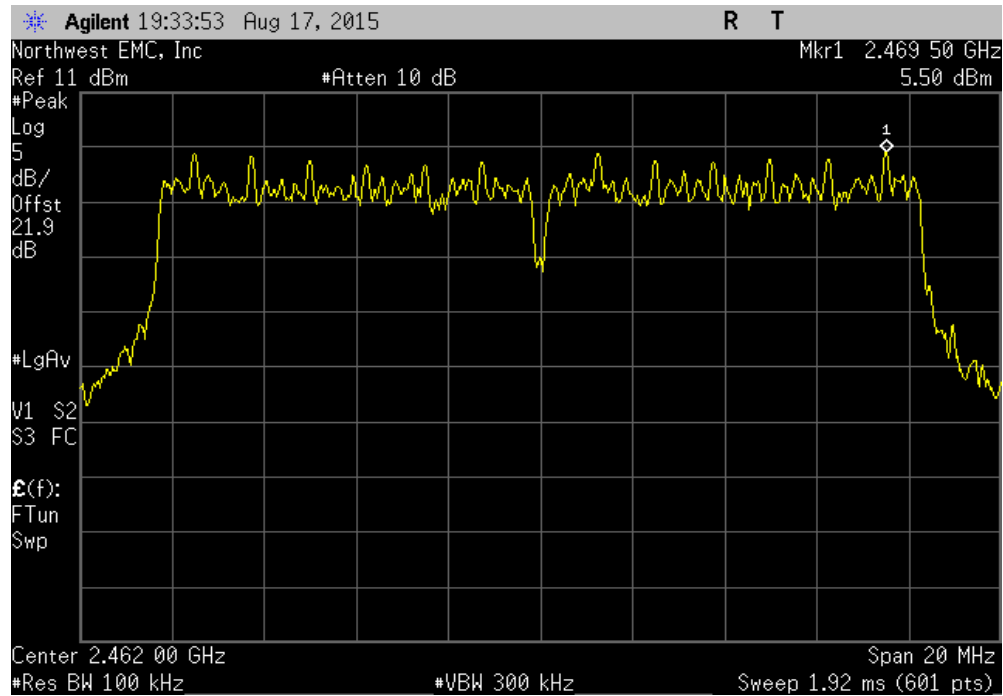


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	5.485	-15.2	-9.715	8	Pass	



POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Value	dBm/100kHz	Value	Limit	Results	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
	5.499	-15.2	-9.701	8	Pass	



SPURIOUS CONDUCTED EMISSIONS

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Attenuator	Fairview Microwave	SA18H-20	TKR	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAY	10/27/2014	12


TEST DESCRIPTION

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

SPURIOUS CONDUCTED EMISSIONS

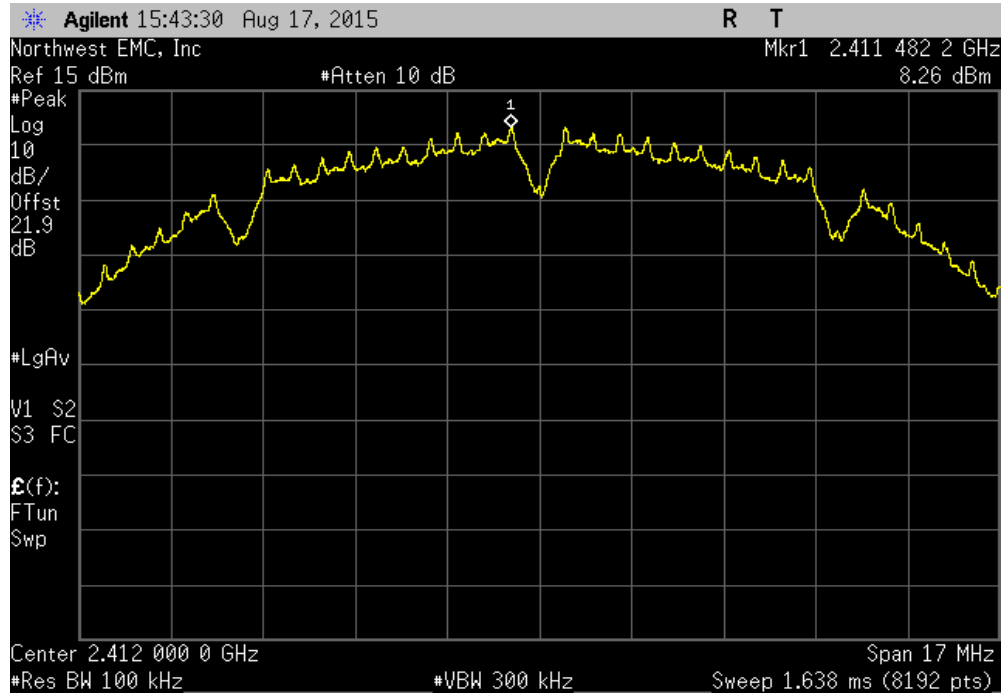


XMr 2015.01.14

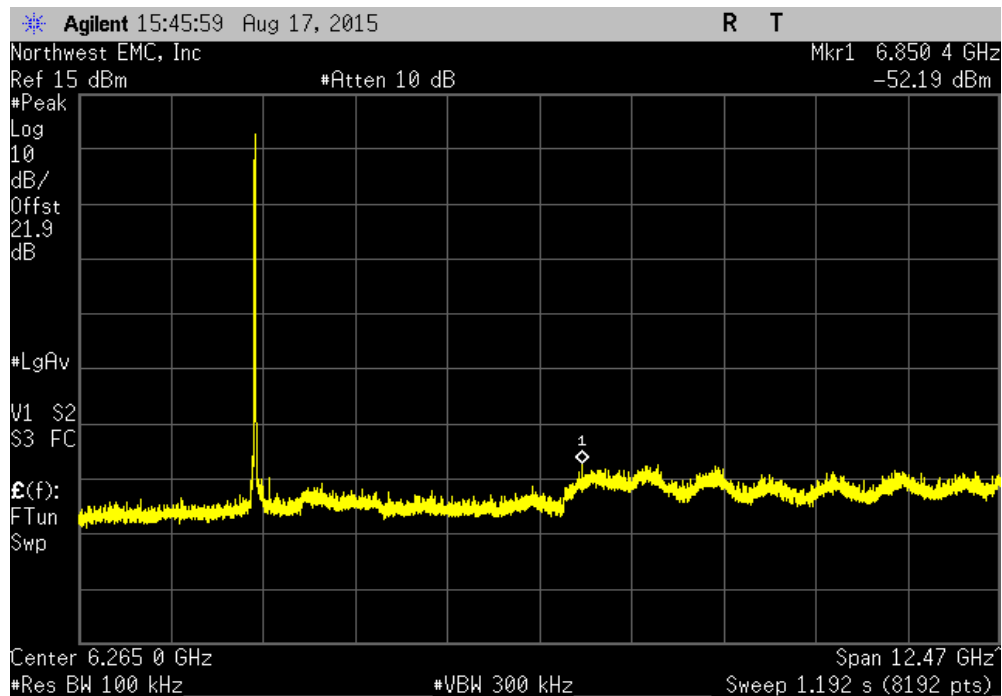
EUT: MWM1		Work Order: MASI0275	
Serial Number: 1521639422		Date: 08/12/15	
Customer: Masimo Corporation		Temperature: 23°C	
Attendees: Mike Clark		Humidity: 48%	
Project: None		Barometric Pres.: 1015	
Tested by: Mark Baytan		Job Site: OC13	
Power: 110VAC/60Hz			
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2013	
COMMENTS			
TX Power = 90. DC Block/20dB Attenuator + coax cable + client provided patch cable = 21.9dB total offset			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Frequency Range	Max Value (dBc) Limit ≤ (dBc) Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	Fundamental	N/A N/A N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-60.45 -20 Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-55.61 -20 Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A N/A N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-59.92 -20 Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-55.58 -20 Pass
	High Channel 11, 2462 MHz	Fundamental	N/A N/A N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-60 -20 Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-54.85 -20 Pass
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	Fundamental	N/A N/A N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-60.48 -20 Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-55.27 -20 Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A N/A N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-60.05 -20 Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-54.89 -20 Pass
	High Channel 11, 2462 MHz	Fundamental	N/A N/A N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-60.54 -20 Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-55.94 -20 Pass
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	Fundamental	N/A N/A N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.82 -20 Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.14 -20 Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A N/A N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-57.74 -20 Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-52.31 -20 Pass
	High Channel 11, 2462 MHz	Fundamental	N/A N/A N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-57.08 -20 Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-52.67 -20 Pass
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	Fundamental	N/A N/A N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.95 -20 Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.26 -20 Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A N/A N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-57.92 -20 Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-53.33 -20 Pass
	High Channel 11, 2462 MHz	Fundamental	N/A N/A N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-57.79 -20 Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-52.45 -20 Pass
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	Fundamental	N/A N/A N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.59 -20 Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.04 -20 Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A N/A N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-58.19 -20 Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-52.53 -20 Pass
	High Channel 11, 2462 MHz	Fundamental	N/A N/A N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-56.97 -20 Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-53.34 -20 Pass

SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

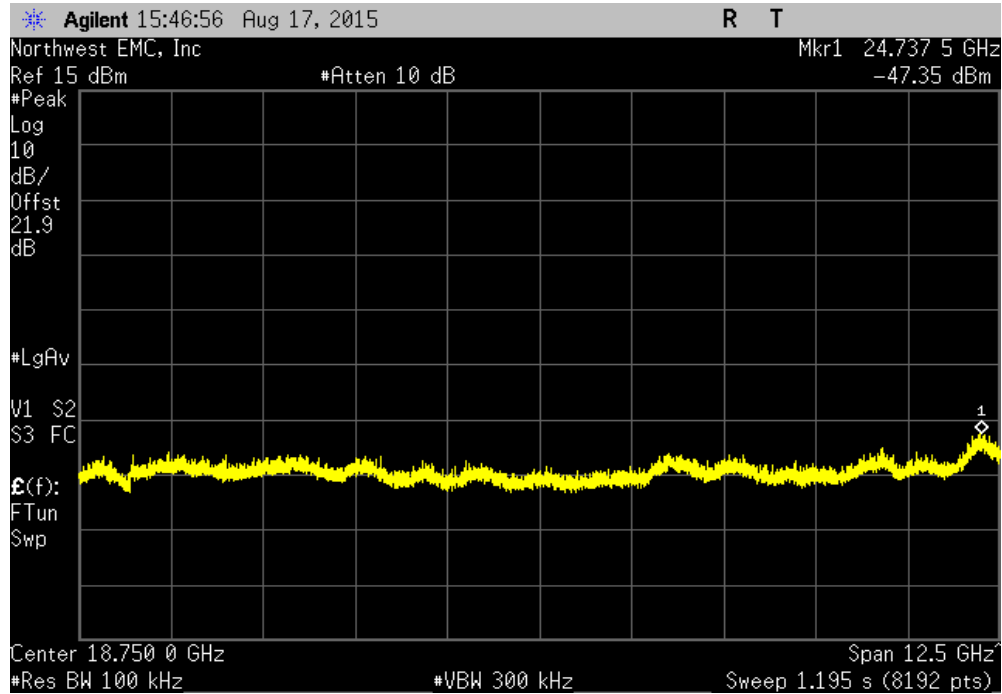


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-60.45	-20	Pass		

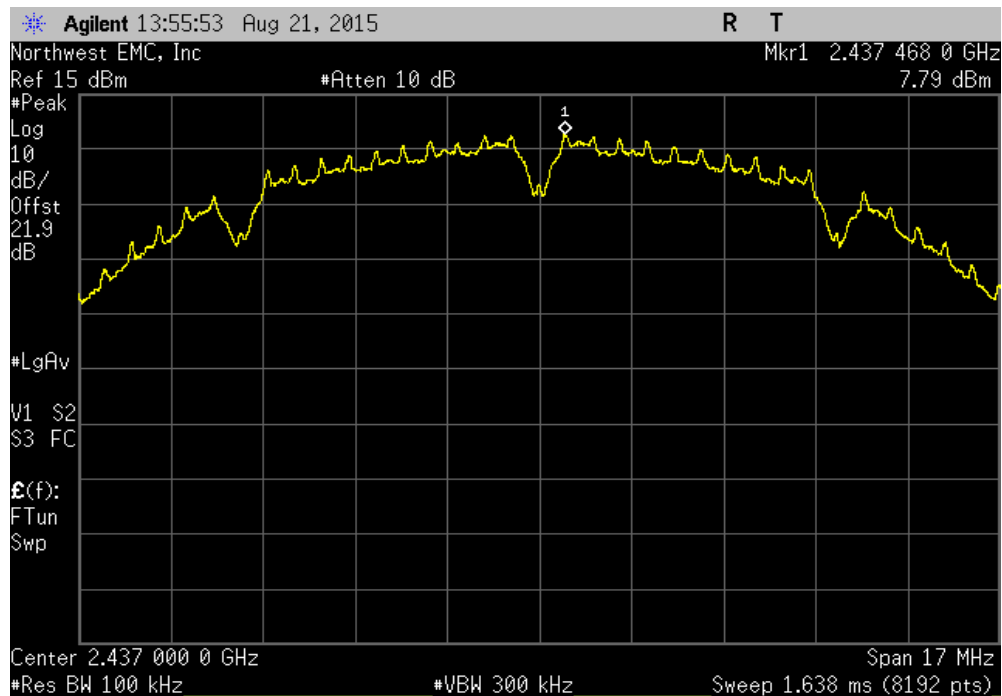


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.61	-20	Pass	

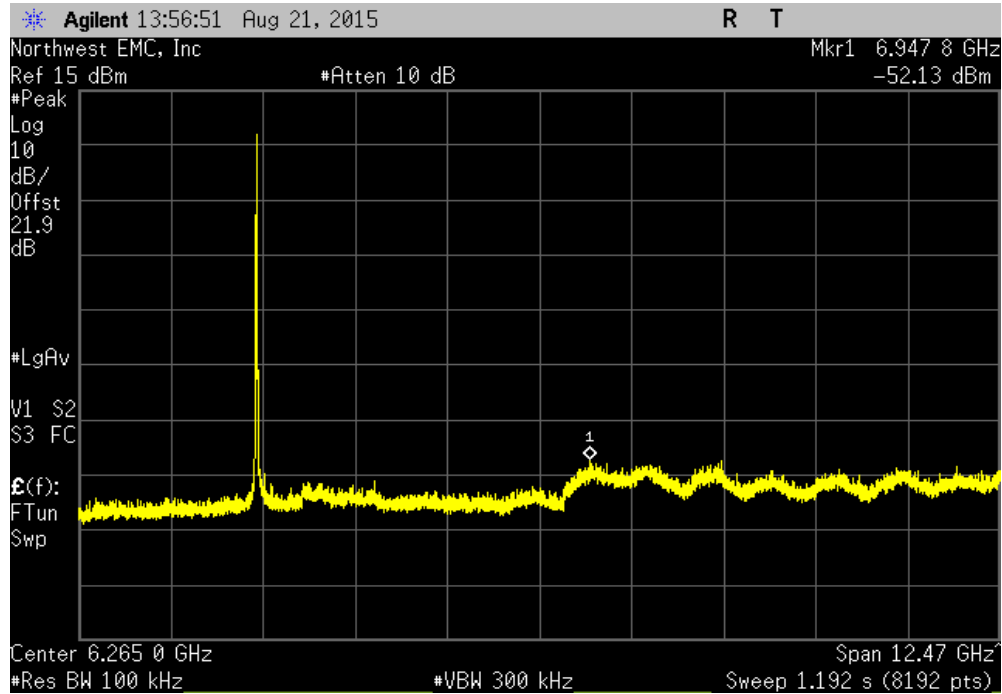


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

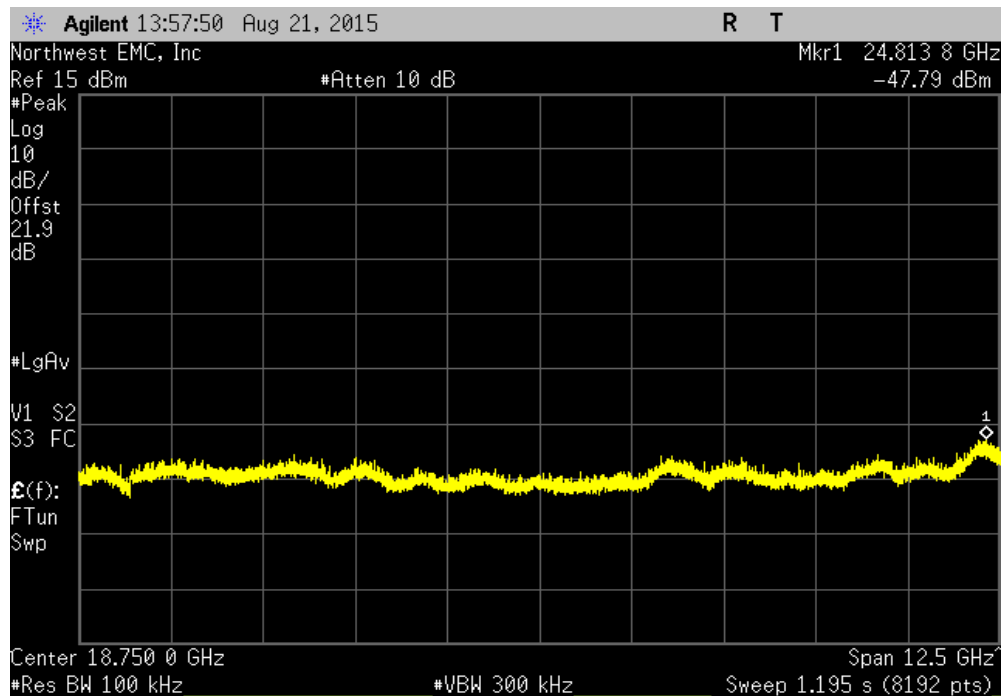


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-59.92	-20	Pass	

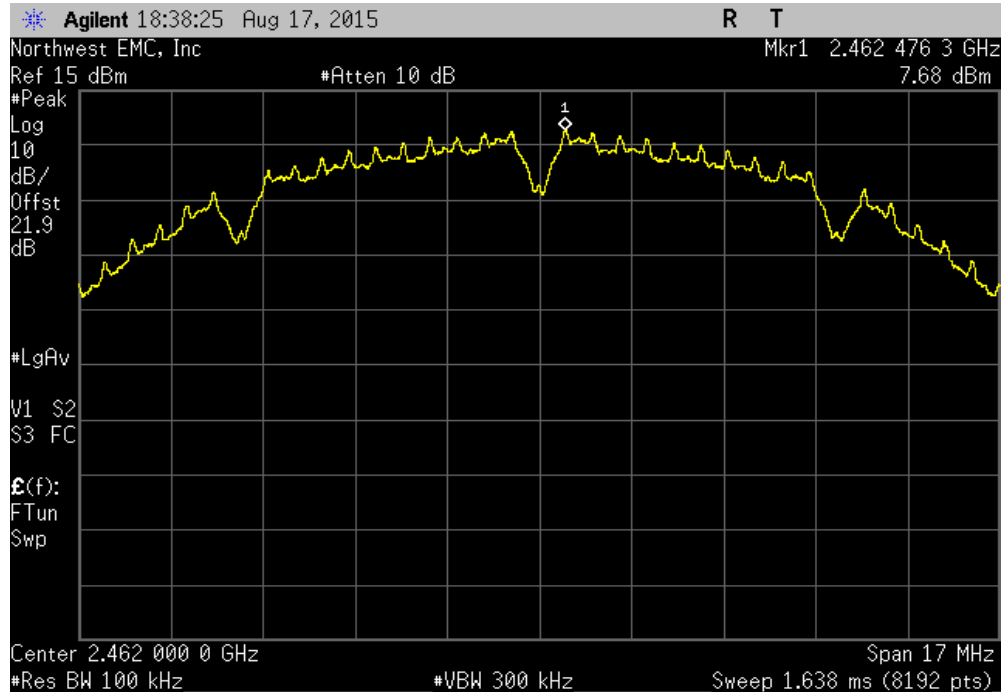


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.58	-20	Pass	

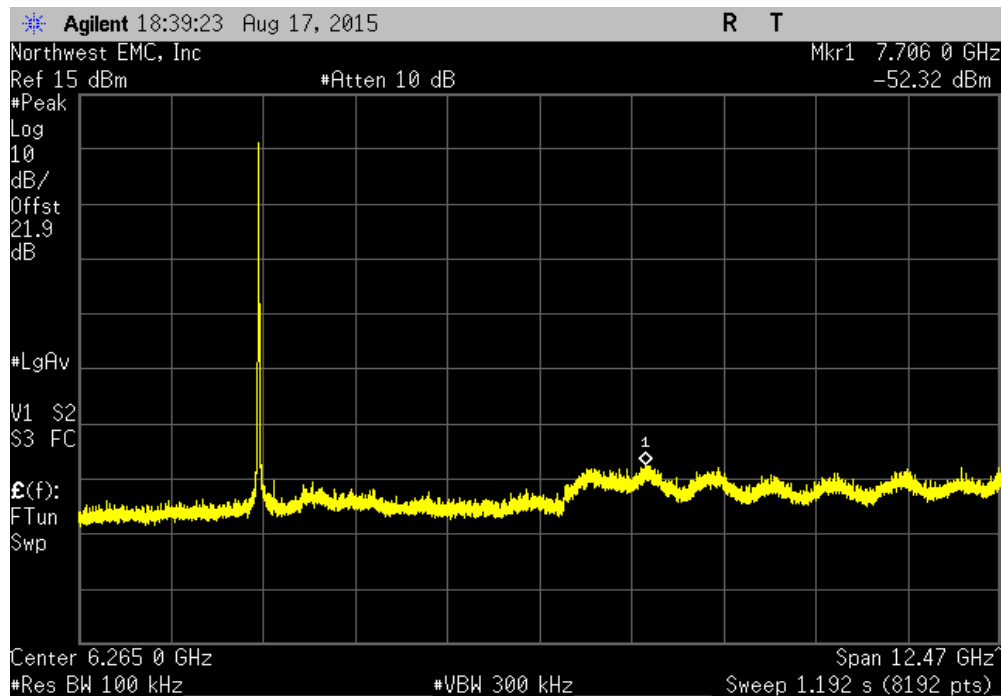


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
Fundamental		N/A		N/A	N/A	

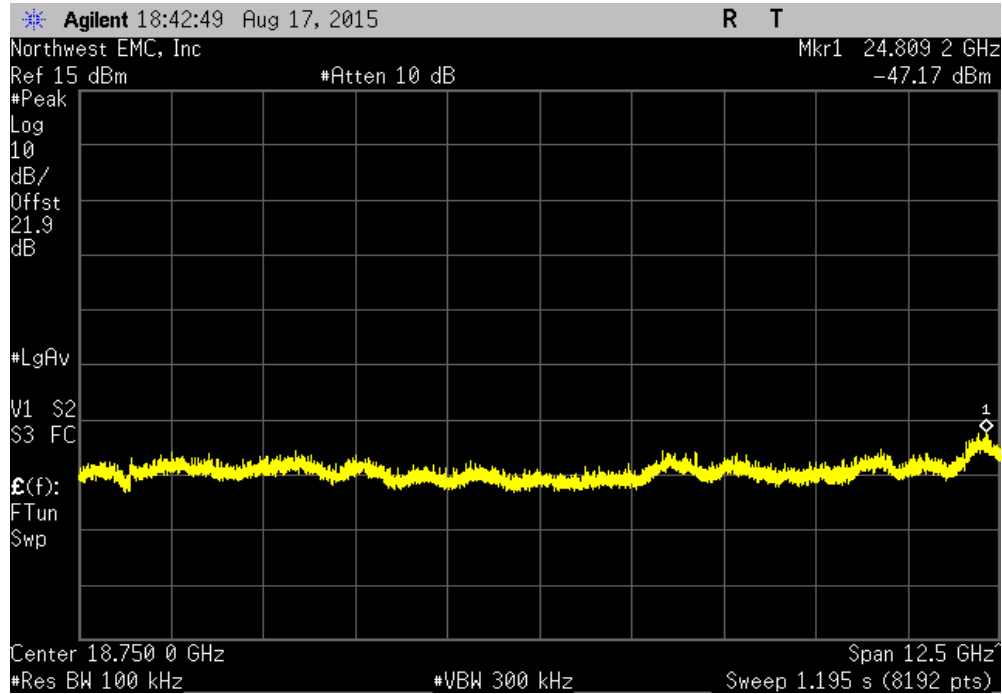


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz		-60		-20	Pass	

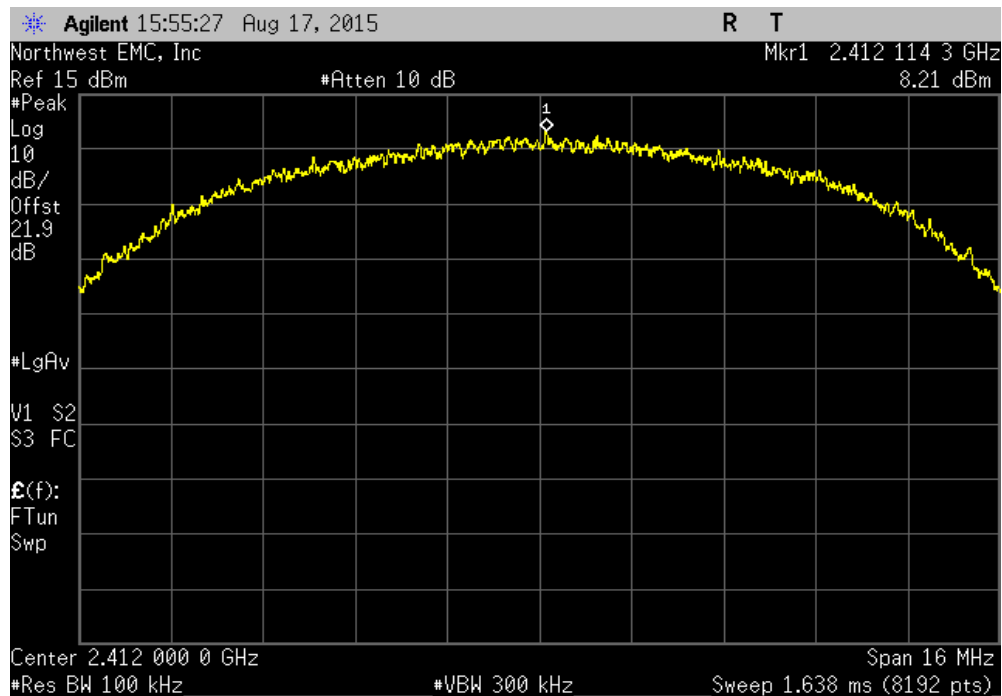


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.85	-20	Pass	

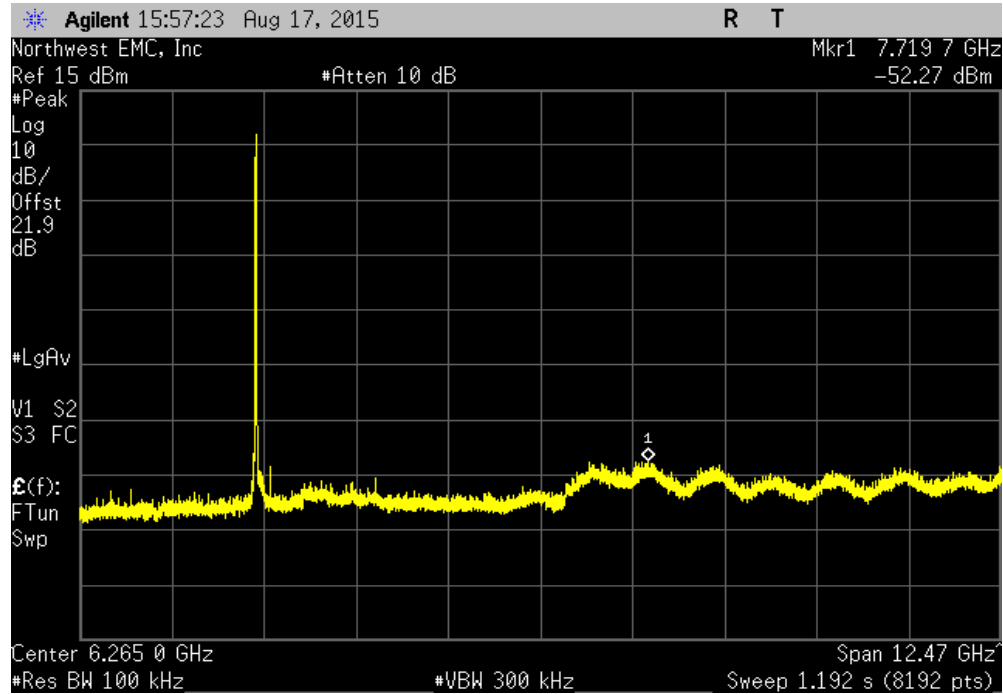


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

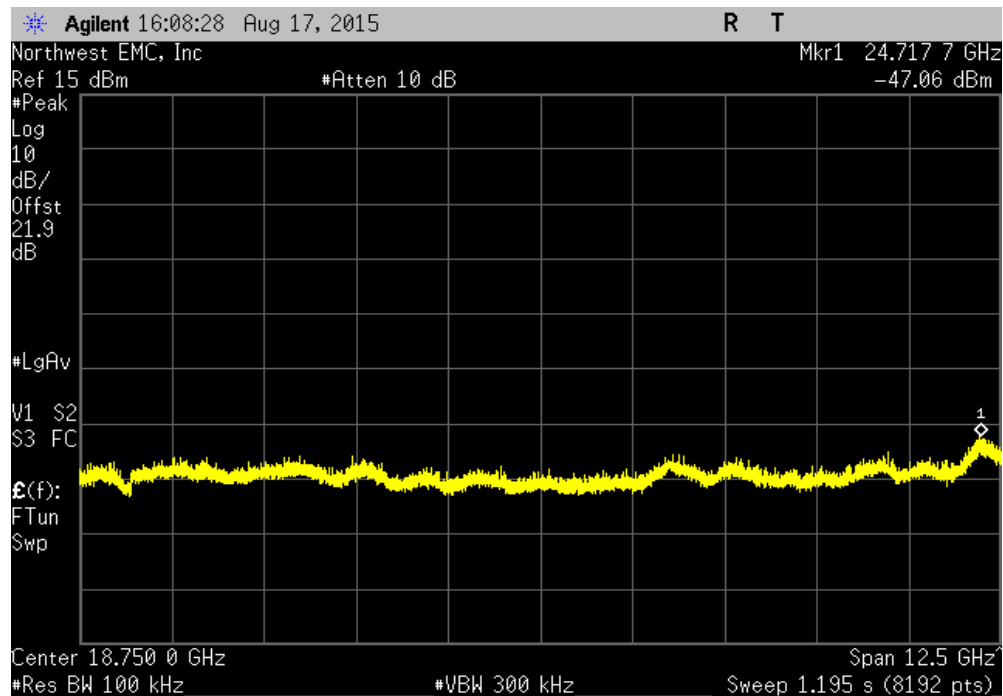


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-60.48	-20	Pass	

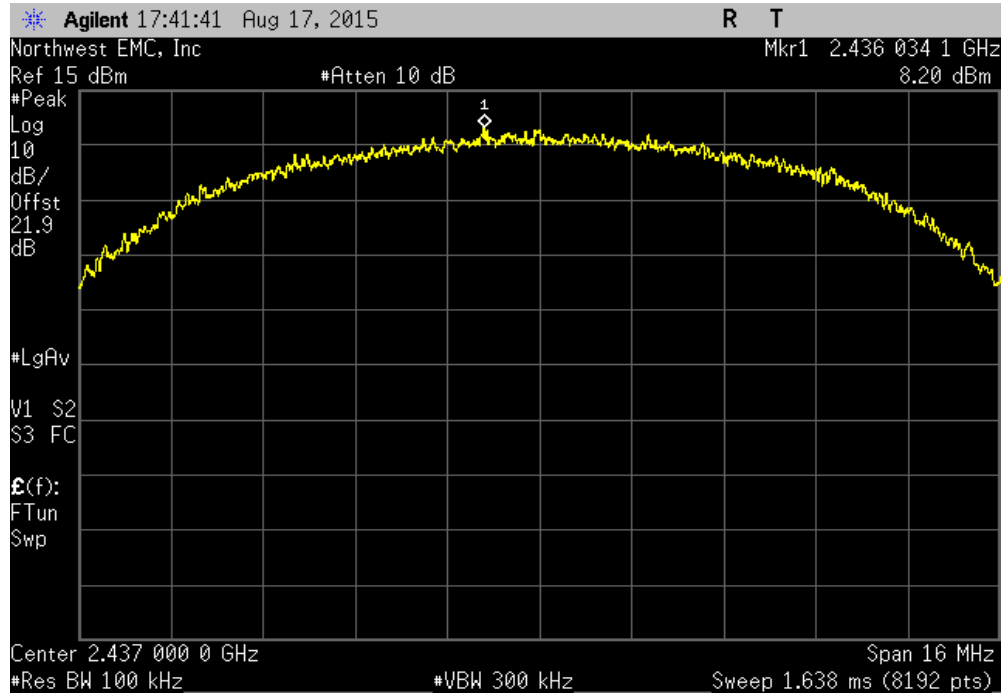


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.27	-20	Pass	

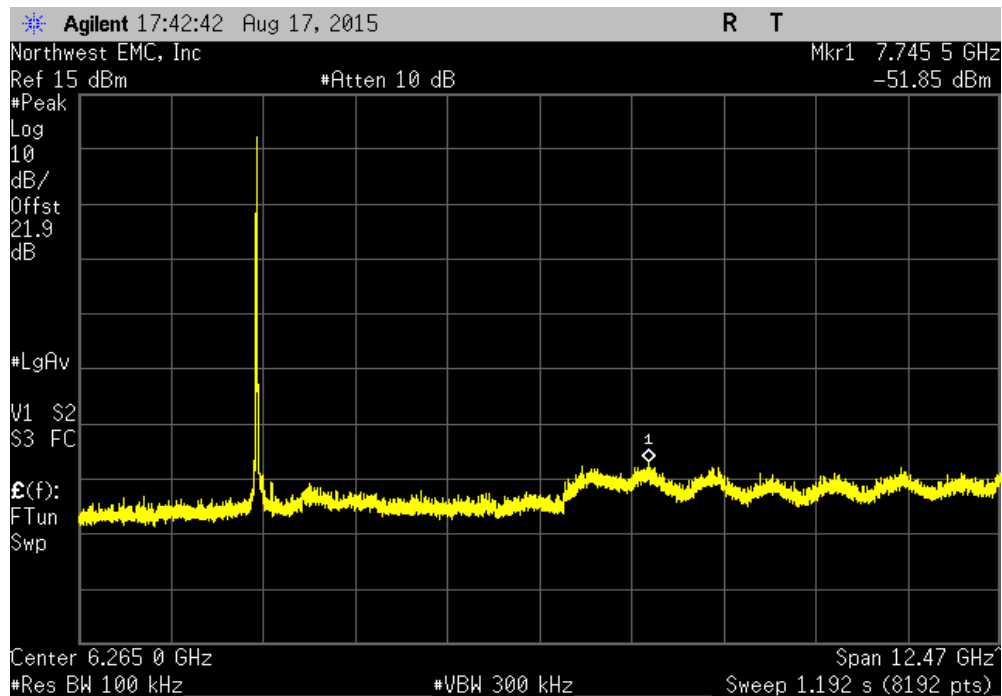


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
Fundamental		N/A		N/A	N/A	

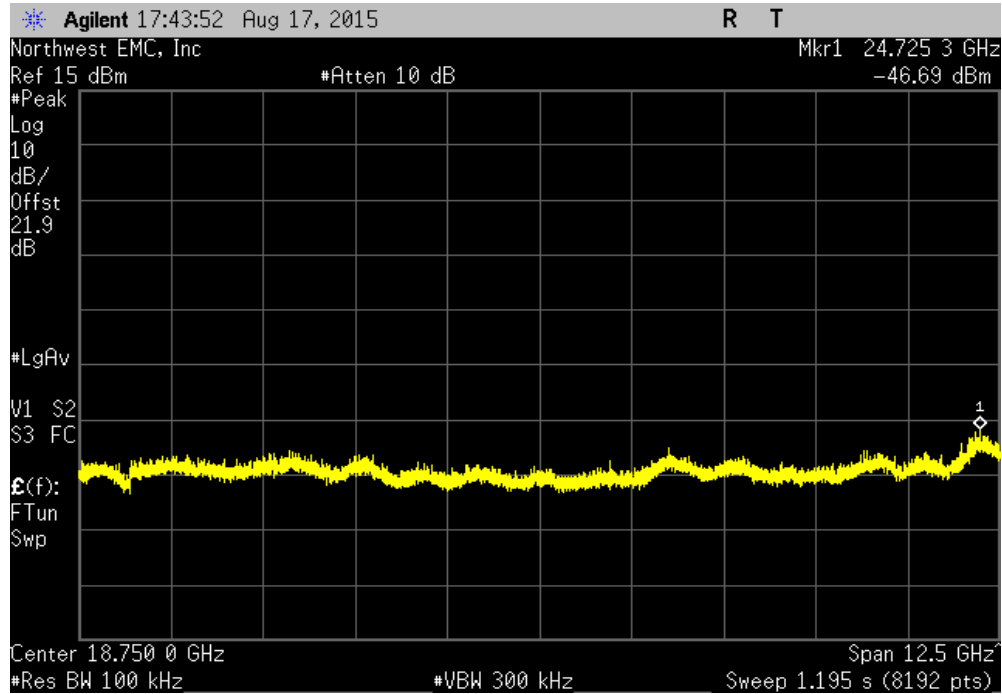


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz		-60.05		-20	Pass	

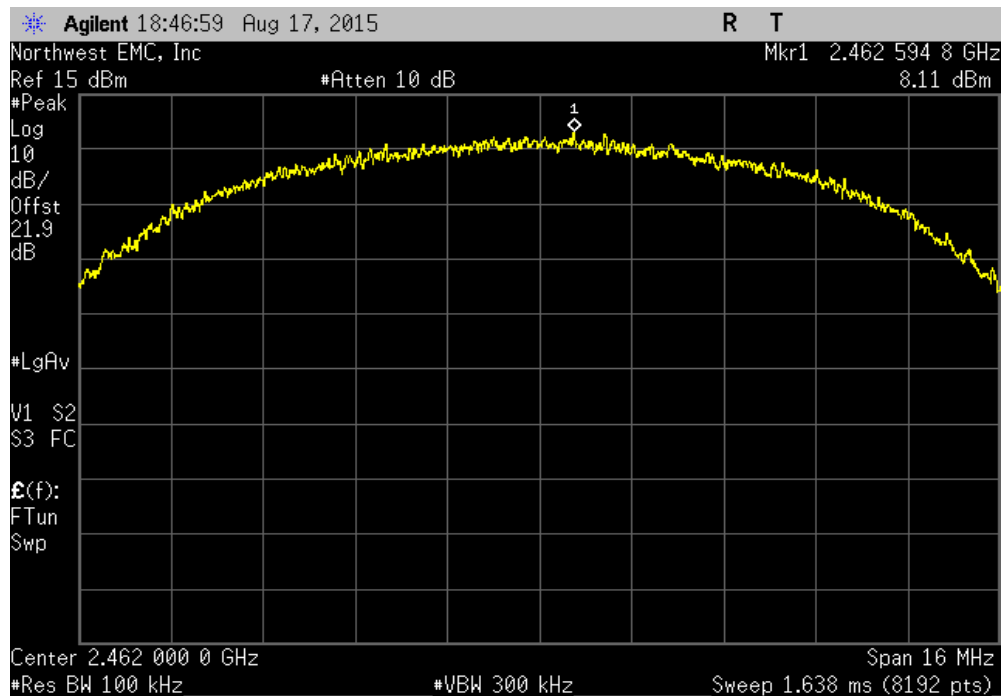


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.89	-20	Pass	

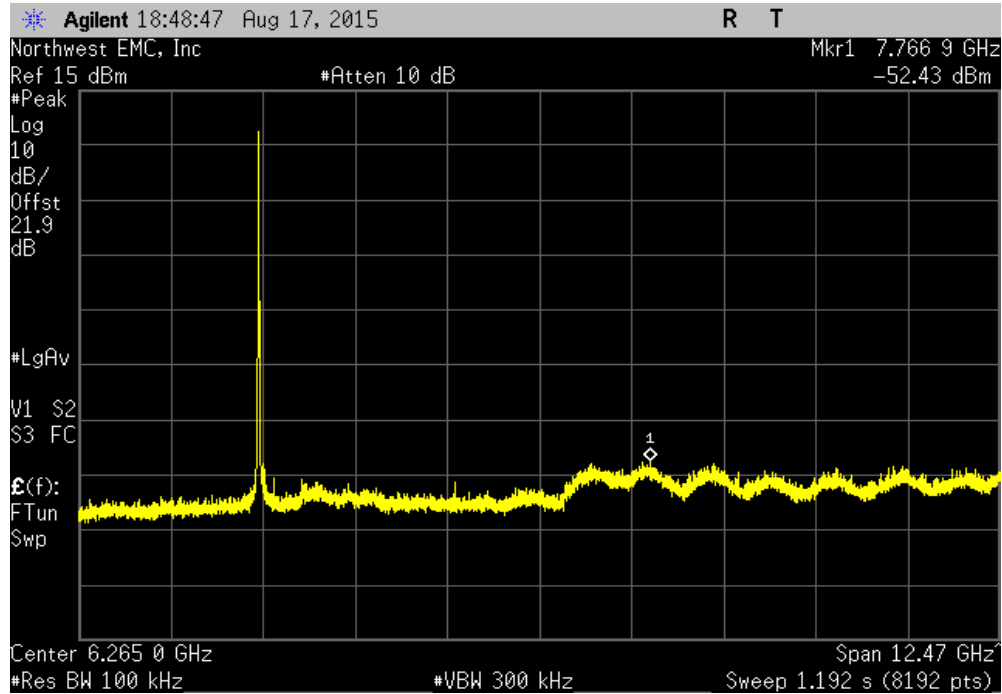


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

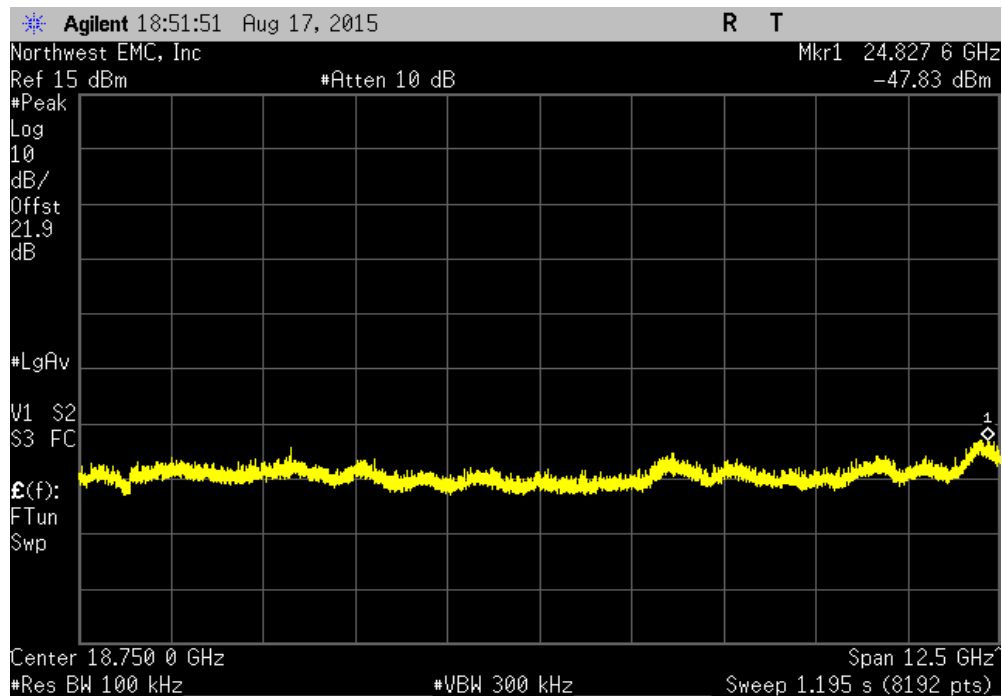


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-60.54	-20	Pass	

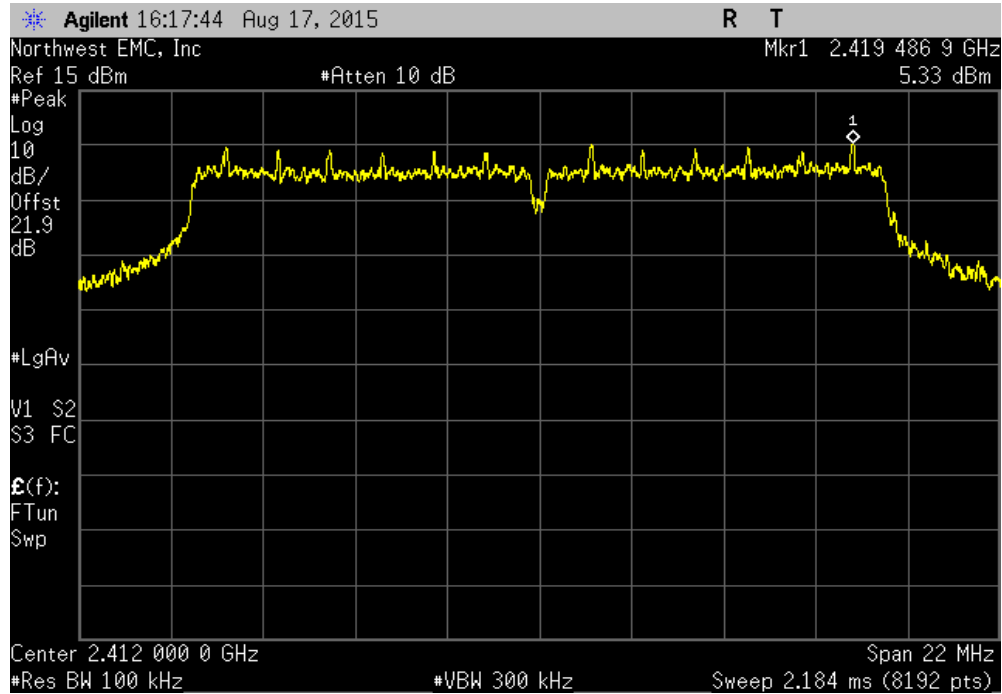


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.94	-20	Pass	

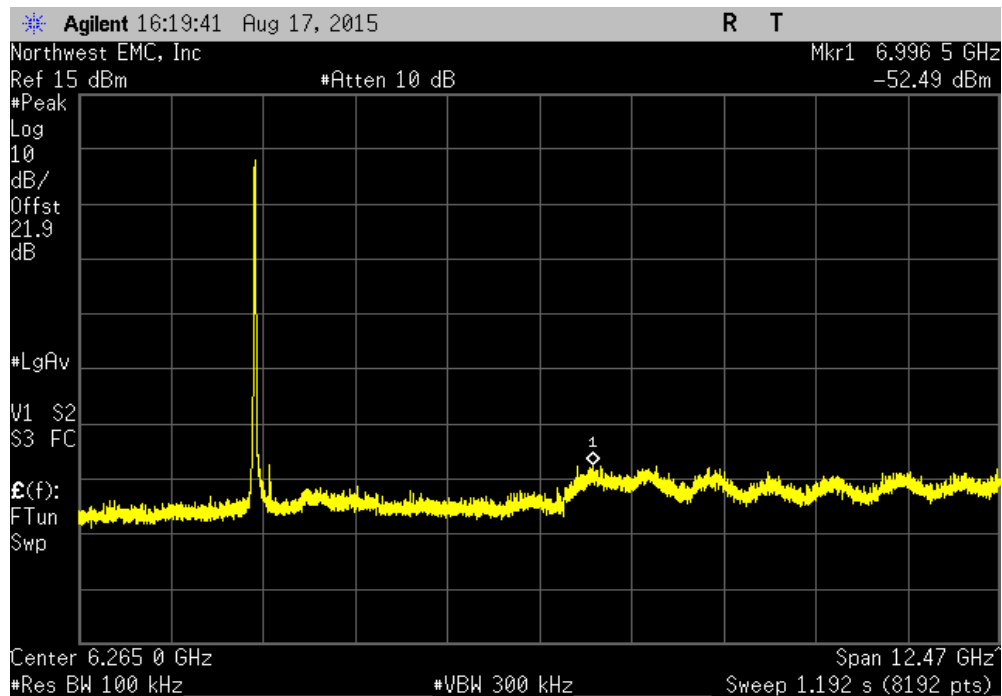


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
Fundamental		N/A		N/A	N/A	

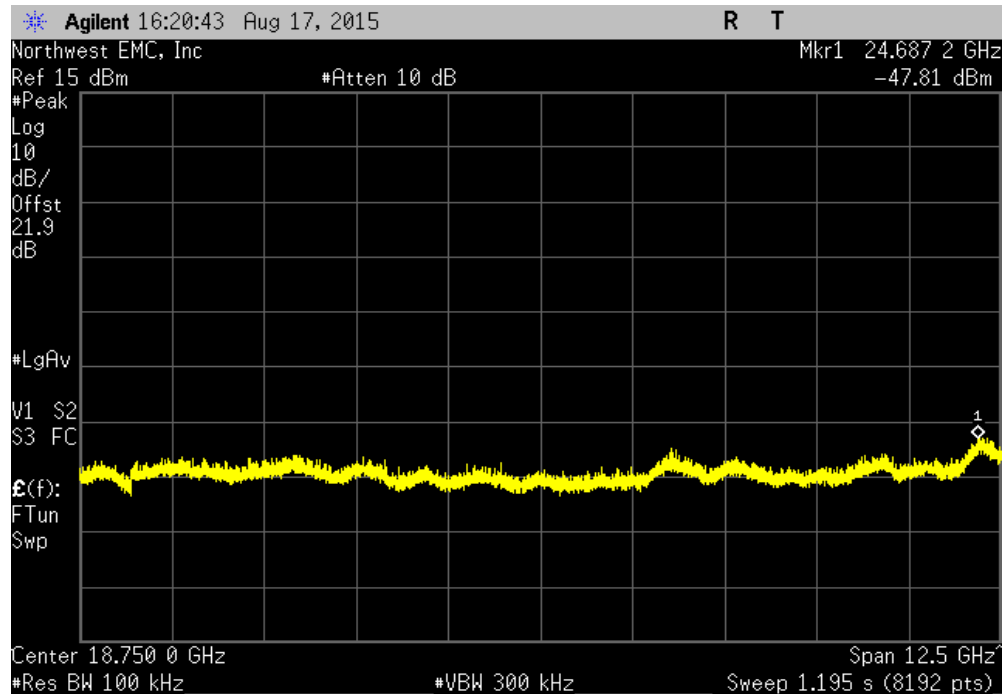


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz		-57.82		-20	Pass	

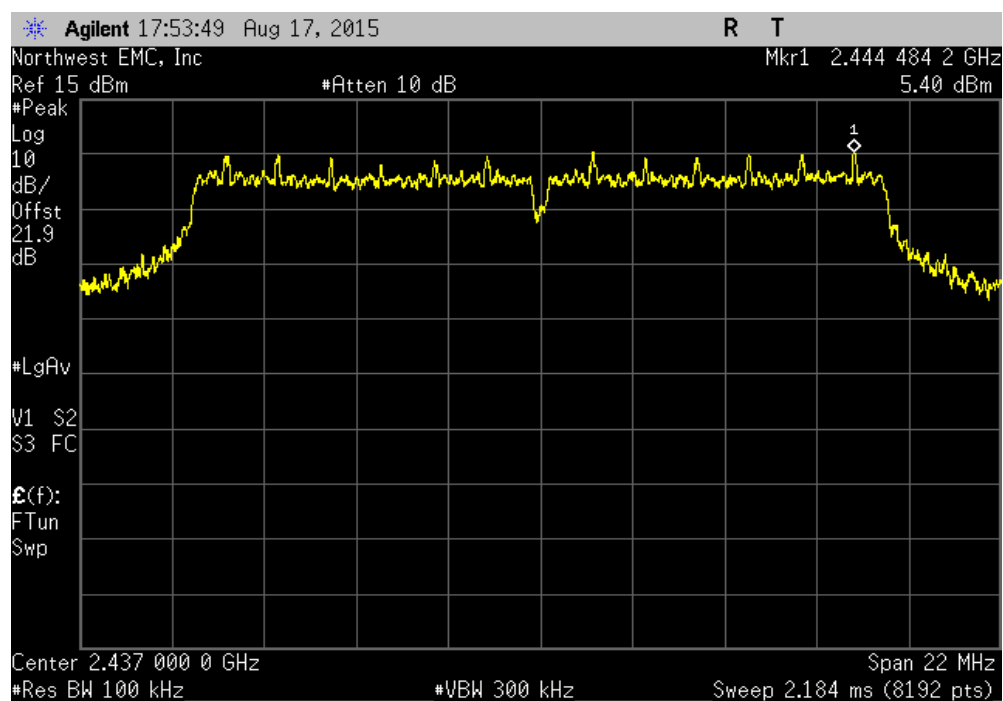


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.14	-20	Pass	

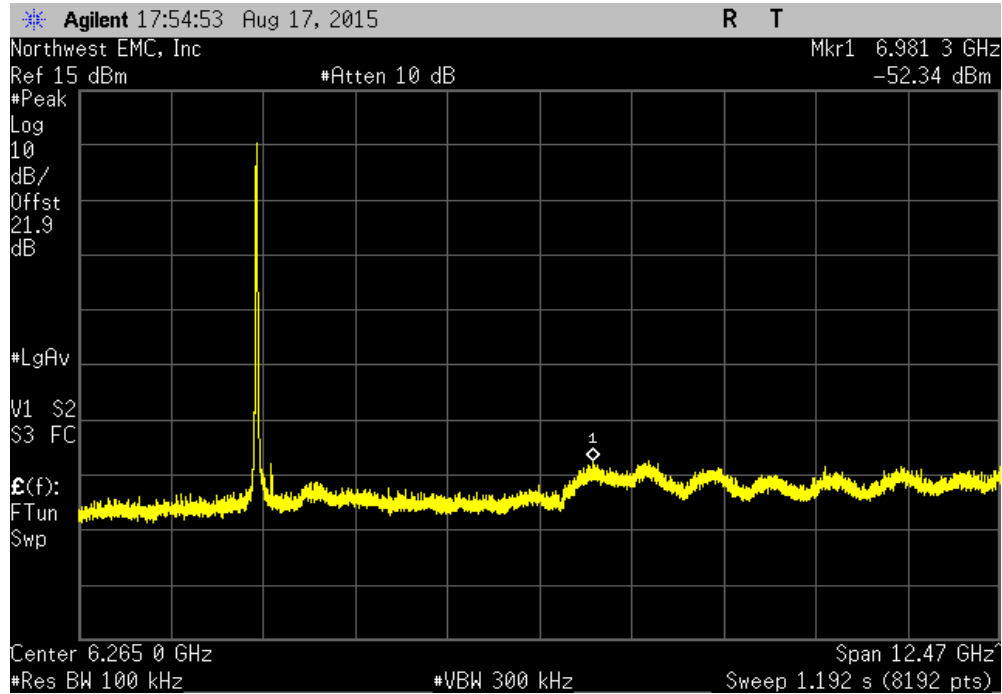


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

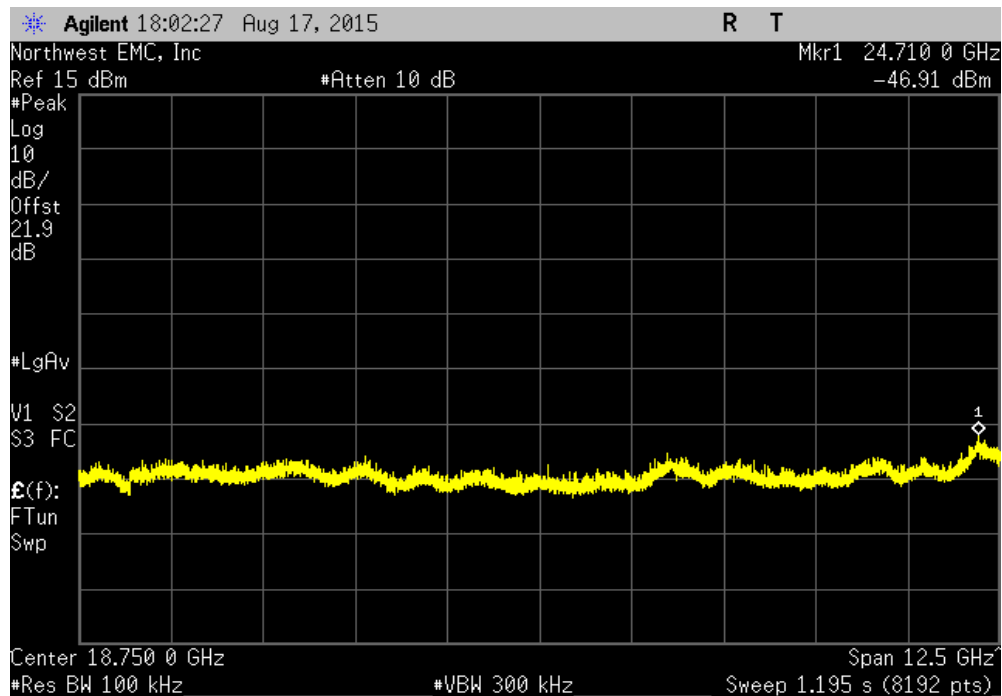


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-57.74	-20	Pass	

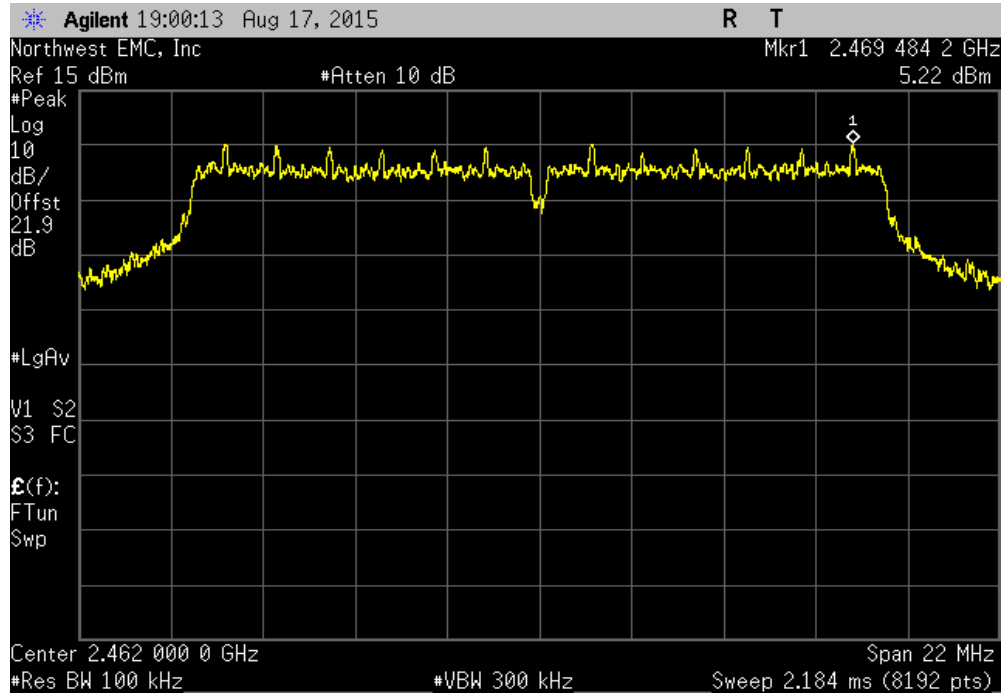


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.31	-20	Pass	

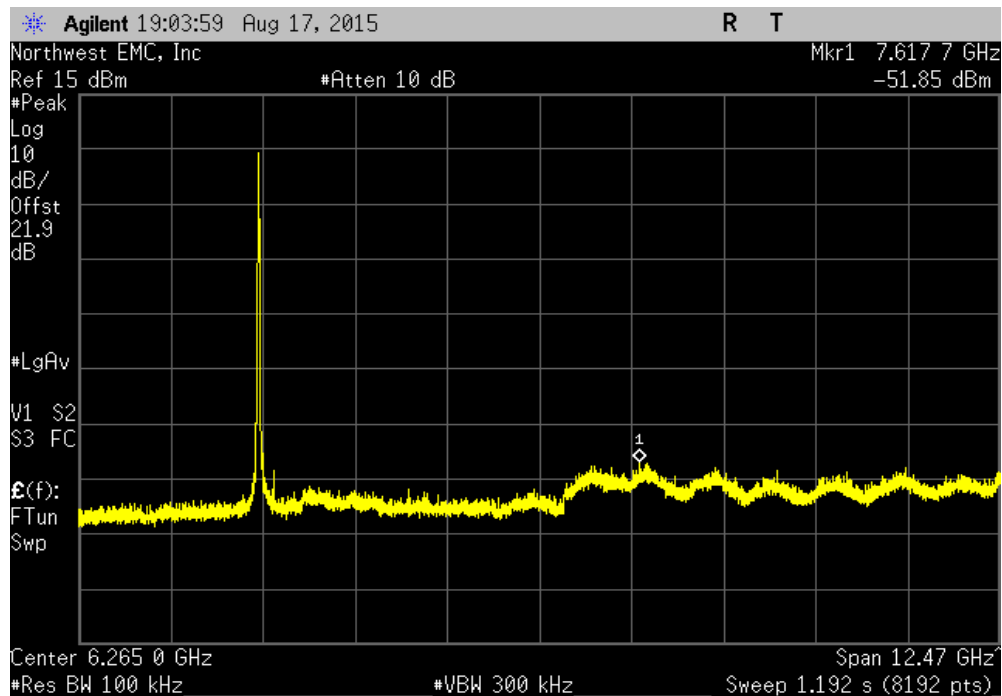


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

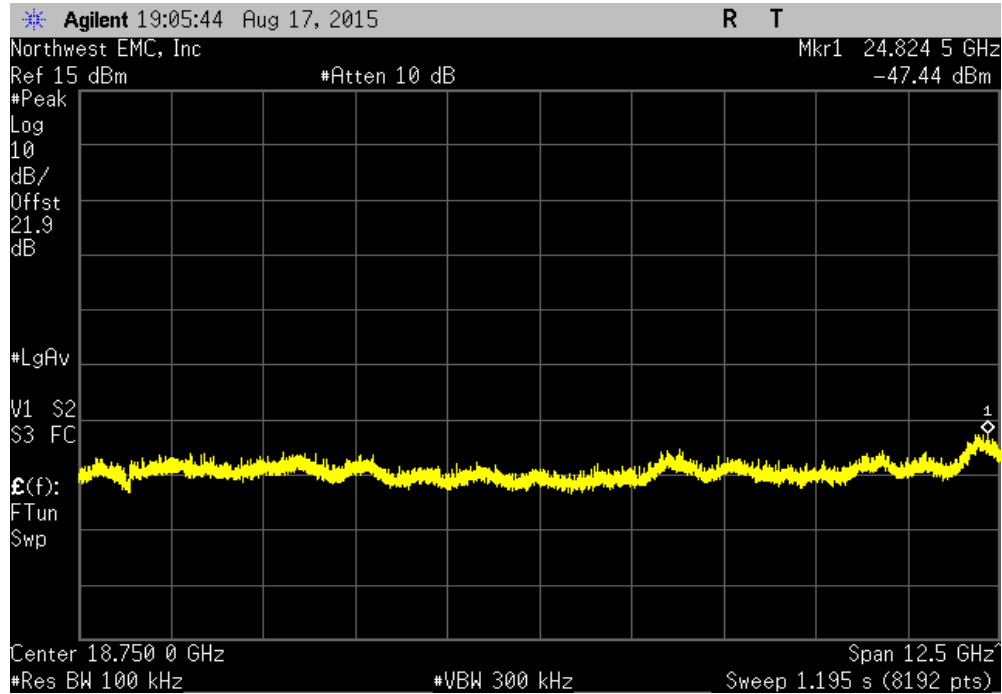


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-57.08	-20	Pass		

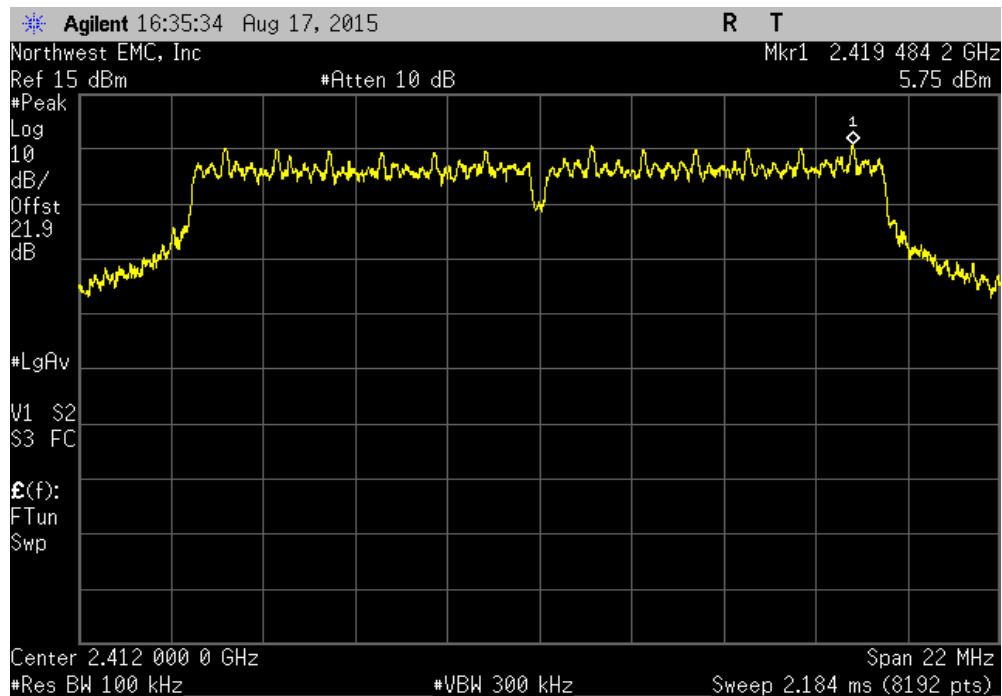


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.67	-20	Pass	

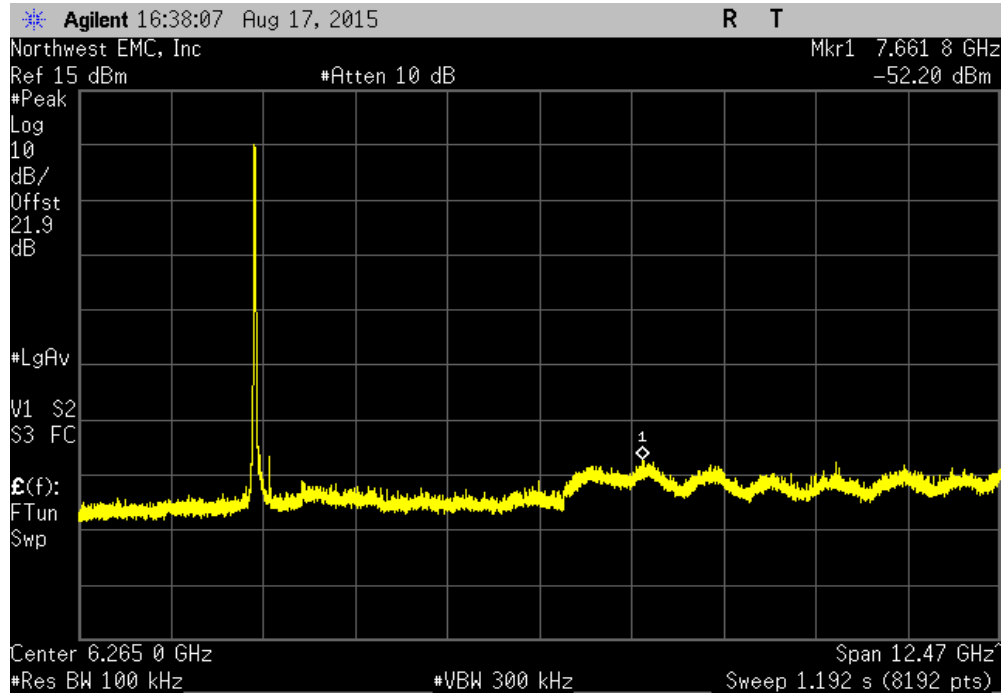


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

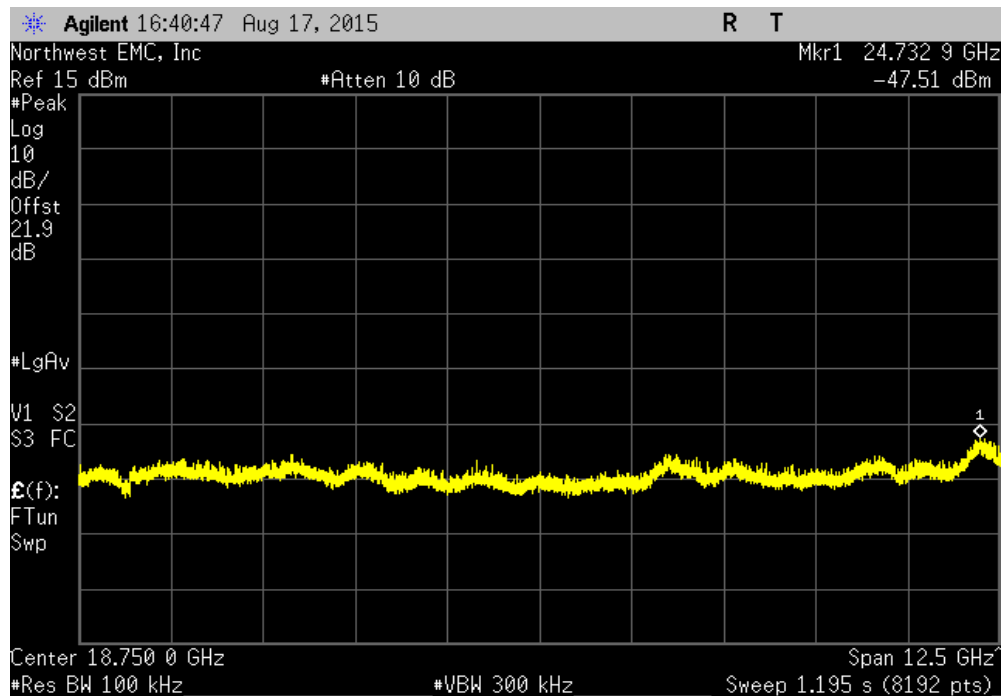


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-57.95	-20	Pass	

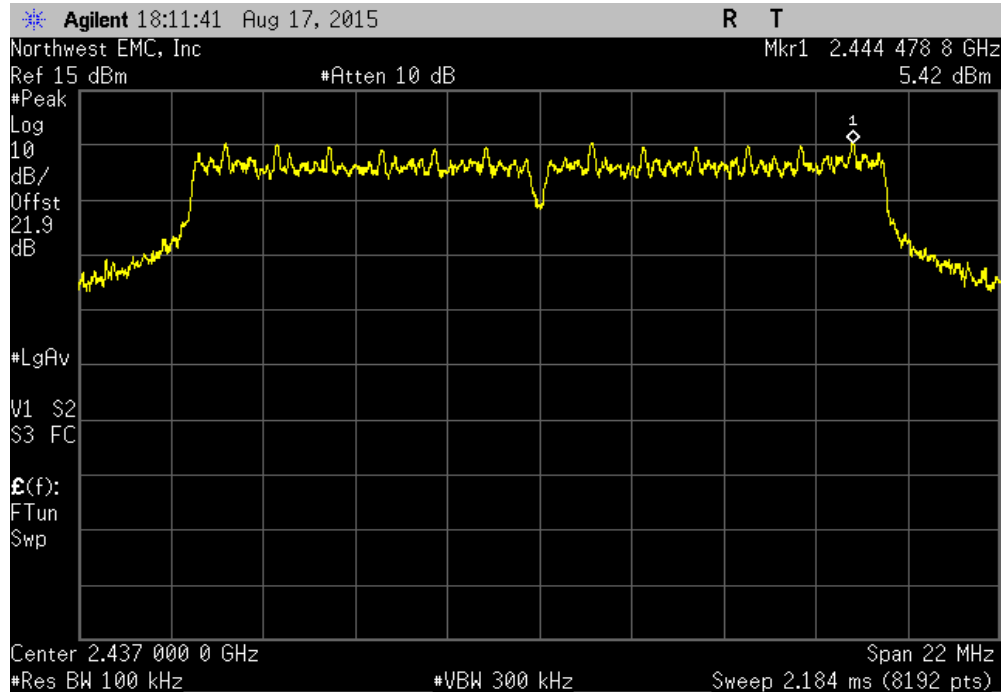


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.26	-20	Pass	

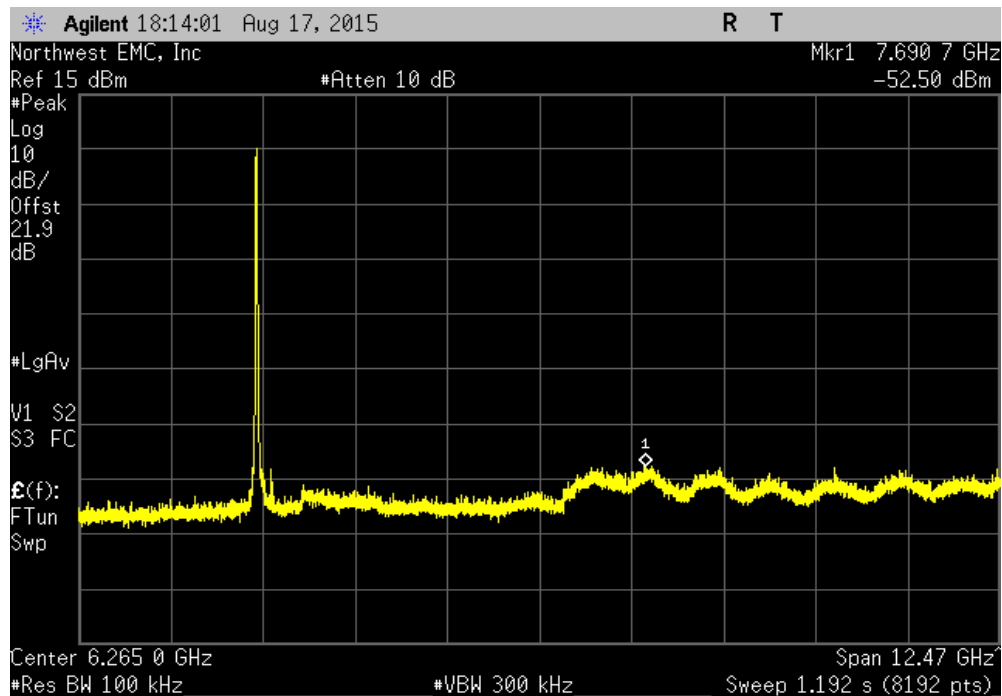


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
Fundamental		N/A		N/A	N/A	

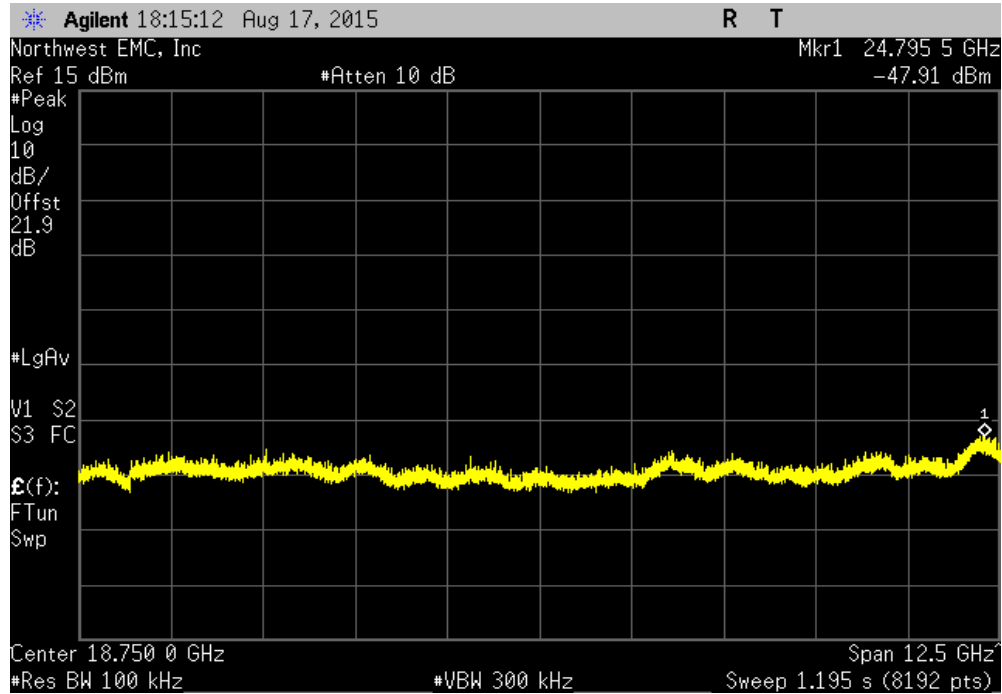


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz		-57.92		-20	Pass	

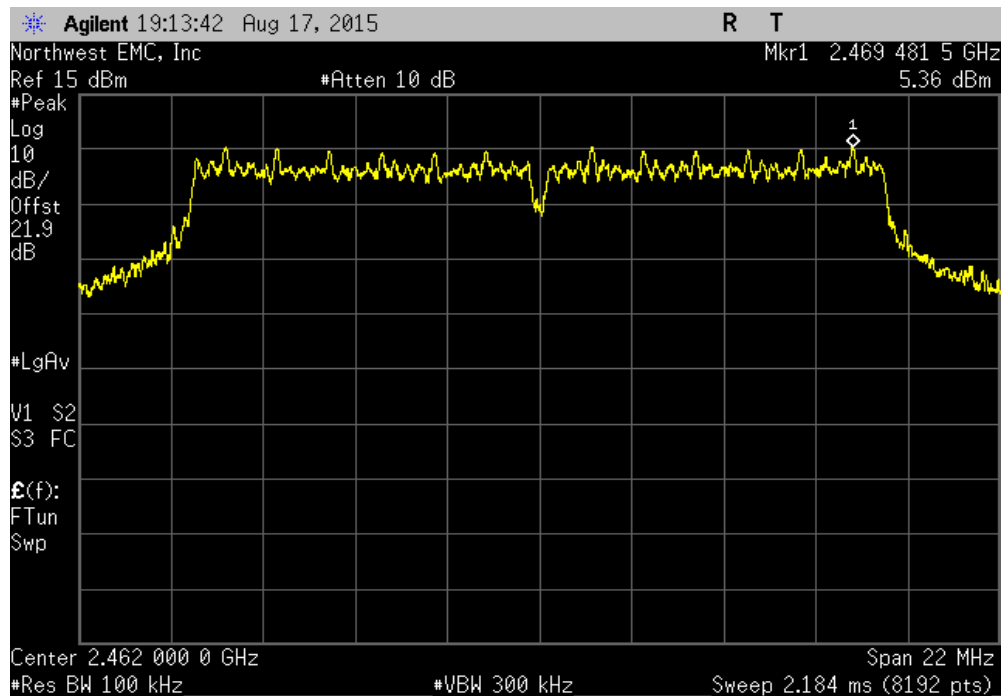


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.33	-20	Pass	

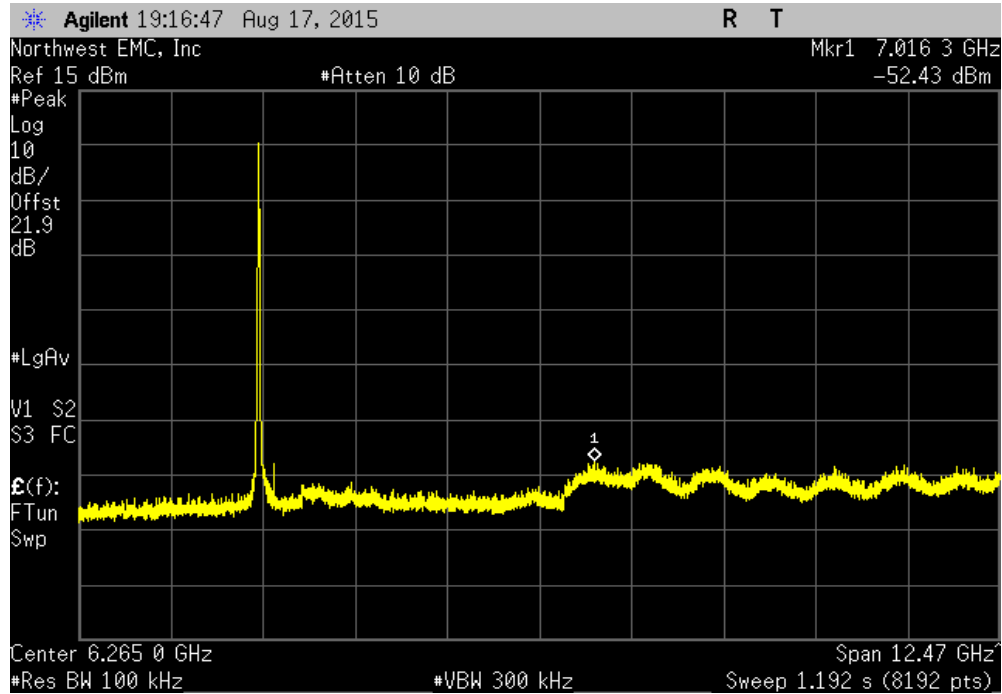


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

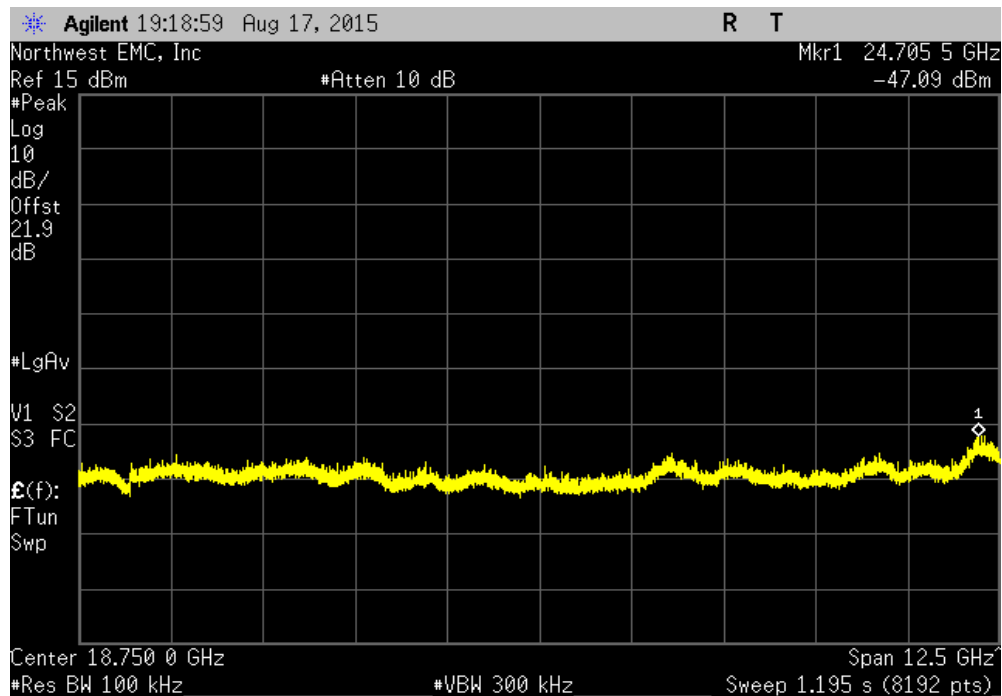


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-57.79	-20	Pass	

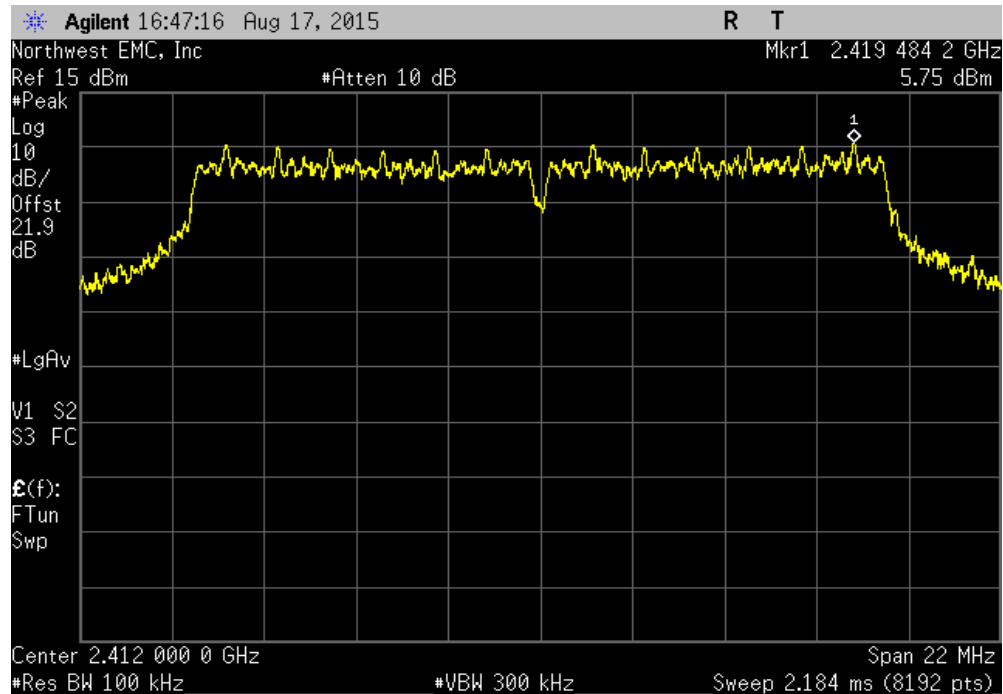


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.45	-20	Pass	

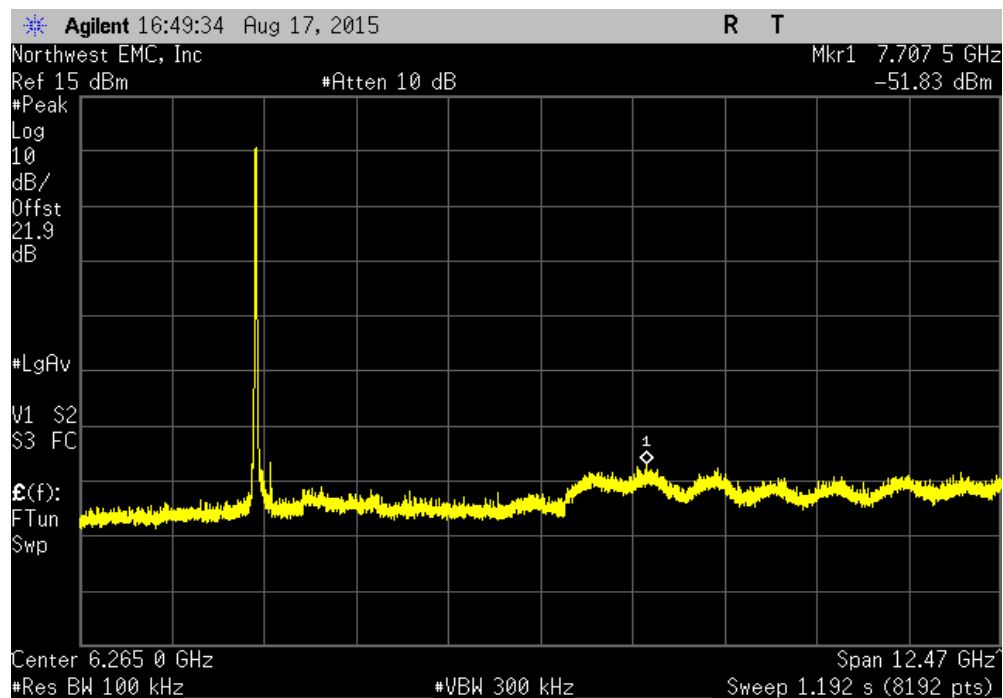


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
Fundamental		N/A		N/A	N/A	

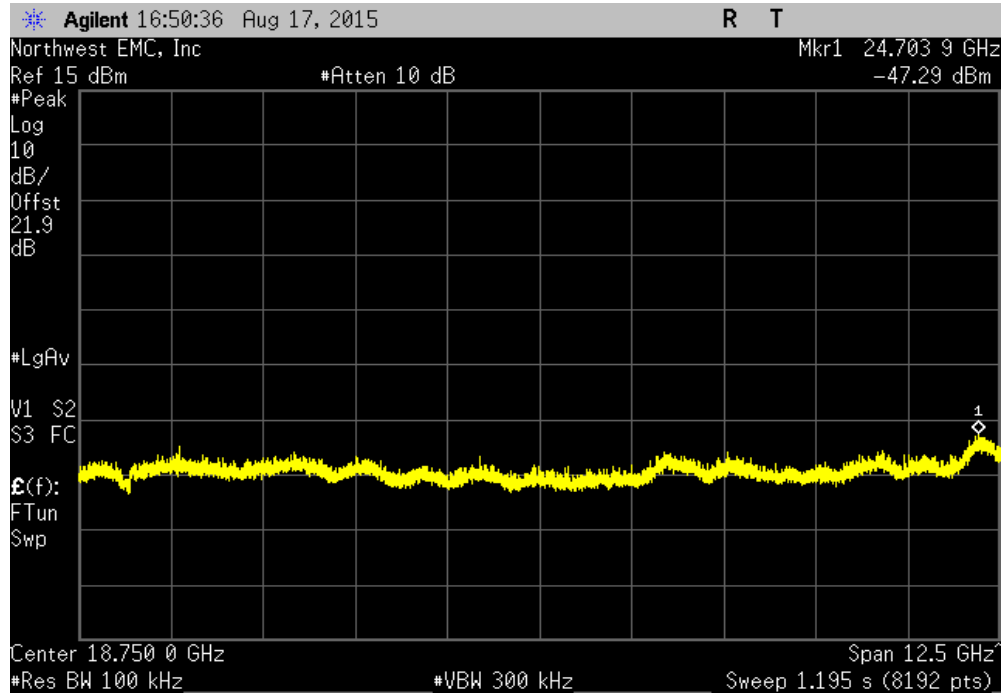


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Max Value (dBc)		Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz		-57.59		-20	Pass	

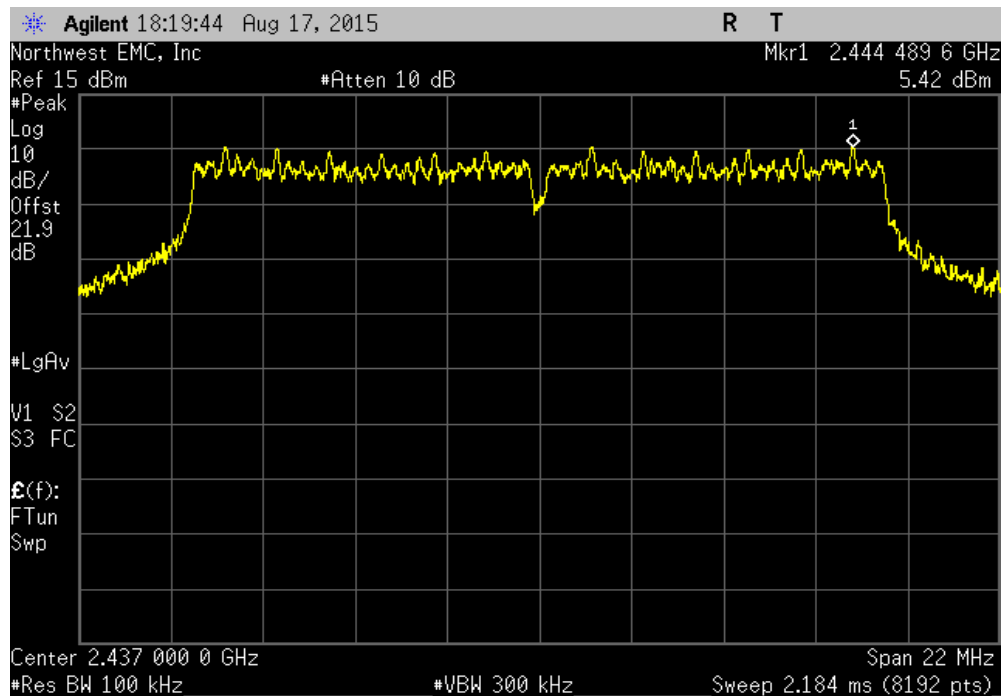


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.04	-20	Pass	

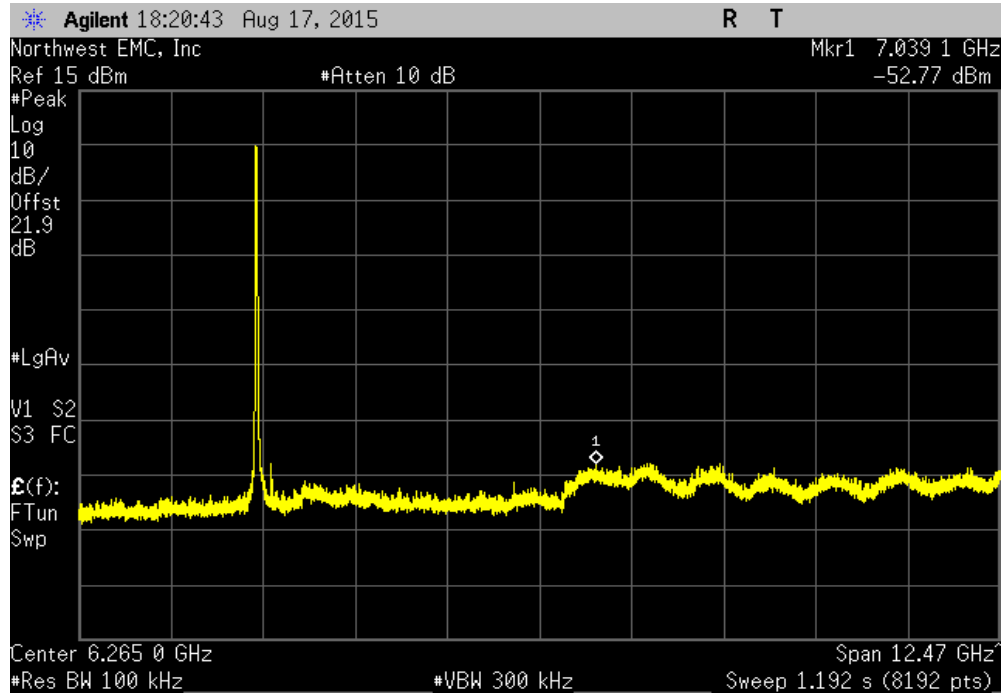


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

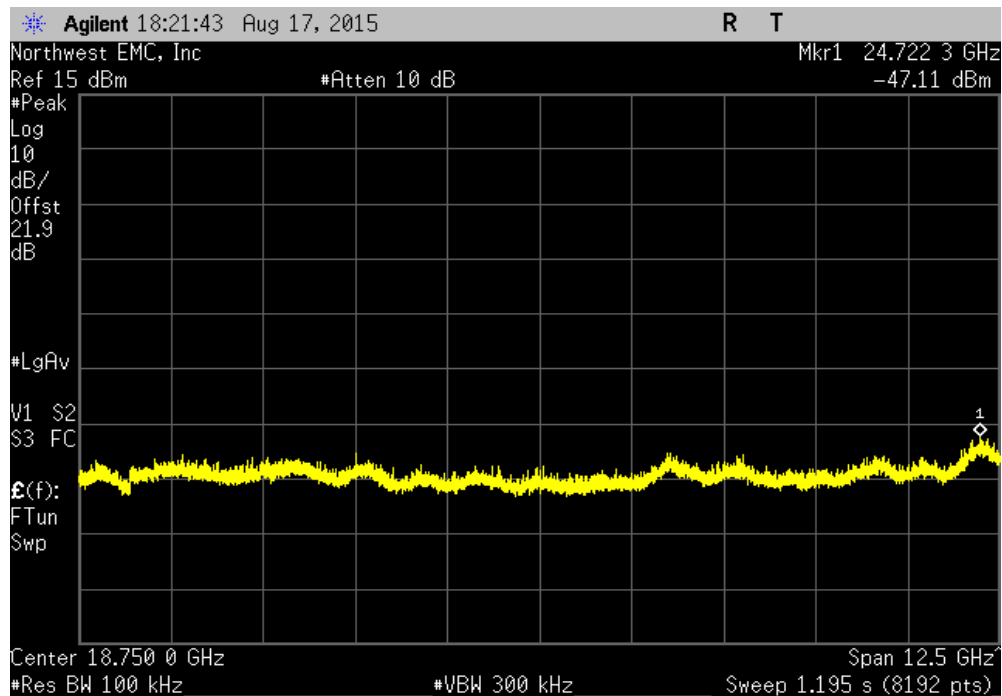


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-58.19	-20	Pass	

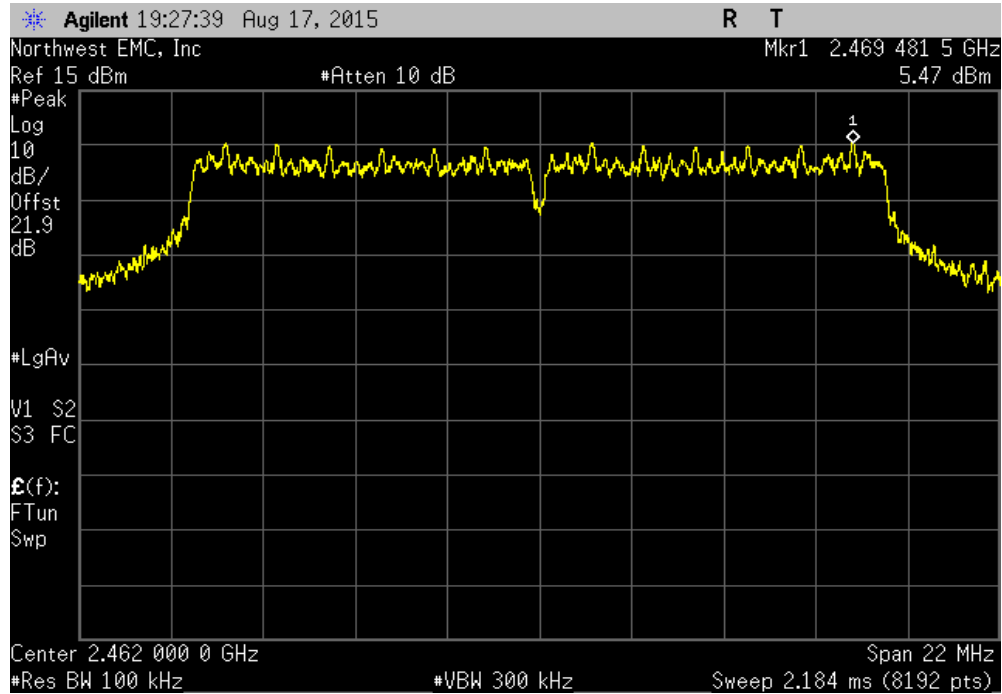


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.53	-20	Pass	

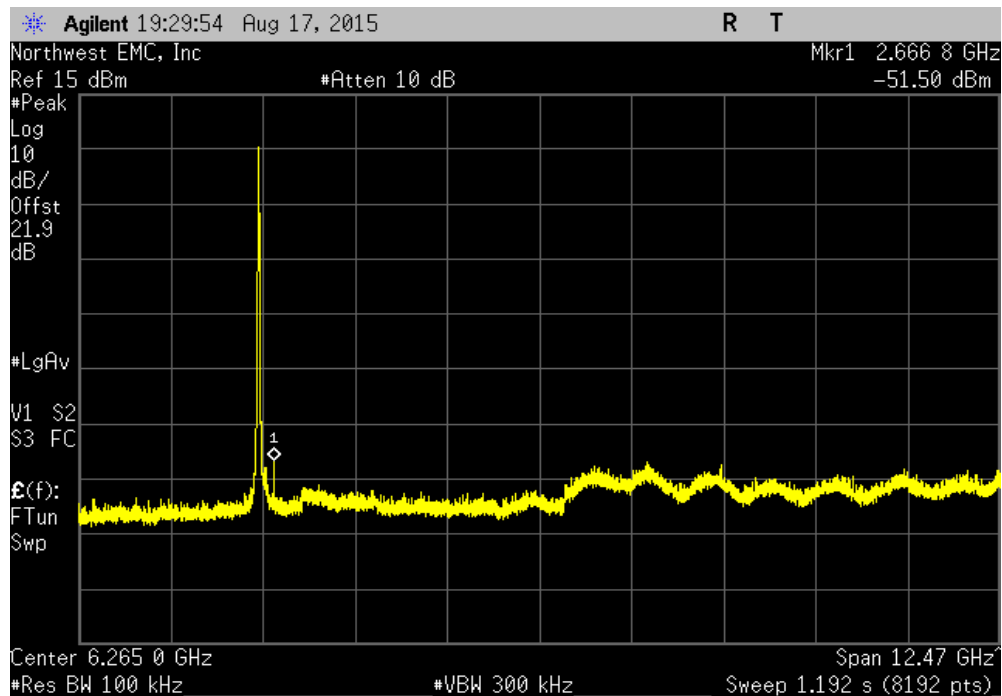


SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-56.97	-20	Pass		



SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.34	-20	Pass	

