NORTHWEST EMC

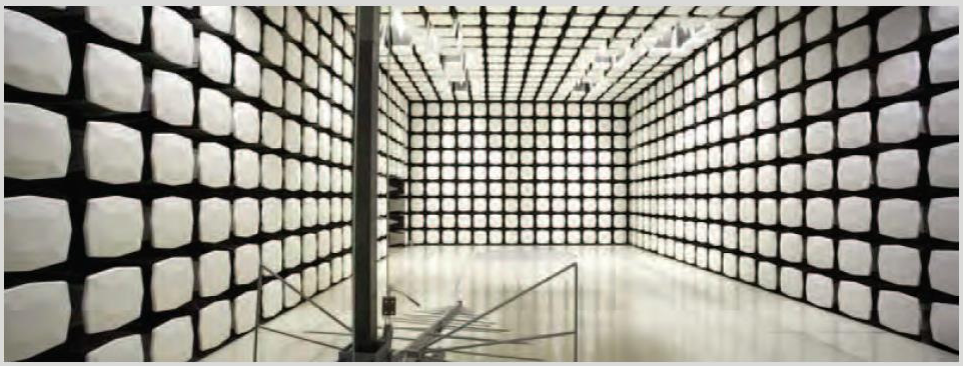
Precor, Inc.

Precor Wi-Fi / Bluetooth Module Model 303346

FCC 15.207:2015
FCC 15.407:2015

802.11 an Radio

Report # PRCR0230.2



NVLAP Lab Code: 200629-0

CERTIFICATE OF TEST

NORTHWEST EMC
2014-12-10

Last Date of Test: October 14, 2015
Precor, Inc.
Precor Wi-Fi / Bluetooth Module Model 303346

Radio Equipment Testing

Standards

Specification	Method
FCC 15.207:2015	ANSI C63.10:2013
FCC 15.407:2015	

Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
6.5, 6.6, 12.7	Spurious Radiated Emissions	Yes	Pass	
6.8	Frequency Stability	Yes	Pass	
12.2	Duty Cycle	Yes	Pass	
12.3	Maximum Conducted Output Power	Yes	Pass	
12.4.1	Emission Bandwidth	Yes	Pass	
12.4.2	Occupied Bandwidth	Yes	Pass	
12.5	Maximum Power Spectral Density	Yes	Pass	

Deviations From Test Standards

None

Approved By:

Rod Munro, 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

NORTHWEST EMC
REV 2014.10.14

Revision Number	Description	Date	Page Number
00	None		

ACCREDITATIONS AND AUTHORIZATIONS

NORTHWEST EMC
REV 2015.2.19

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

NORTHWEST EMC
TMU.2015.07.10

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.

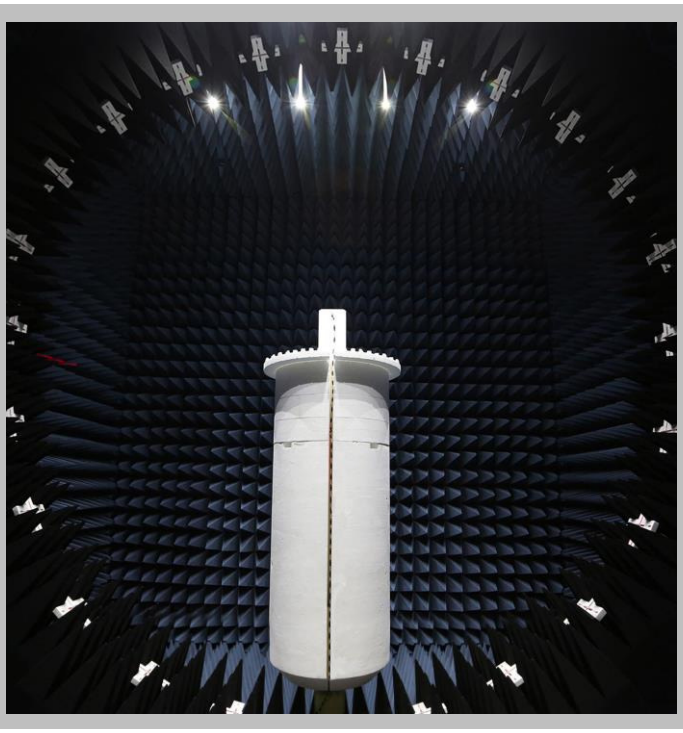
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

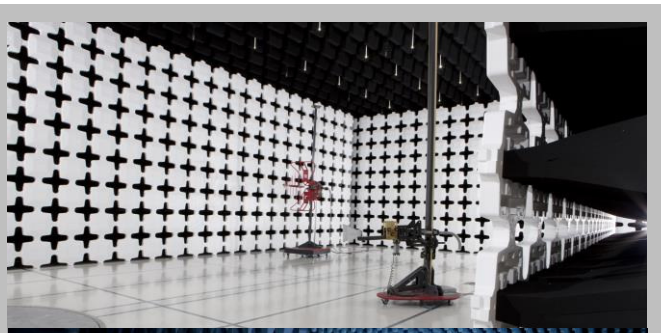
Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.0 dB	-5.0 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

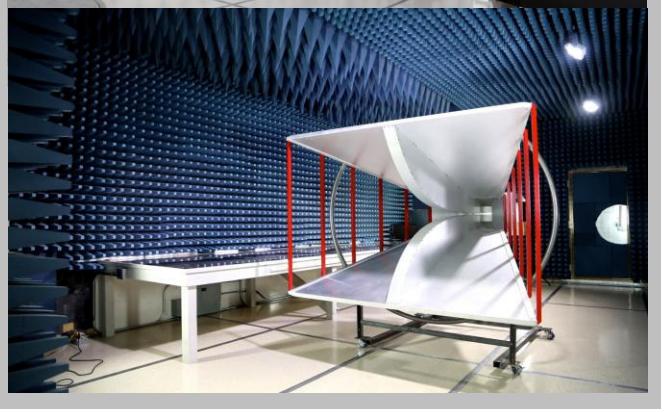
FACILITIES

NORTHWEST EMC
REV 2015.2.19

California	Minnesota	New York	Oregon	Texas	Washington
Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Labs NC01-05 19201 120th 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/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157







PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	Precor, Inc.
Address:	PO Box 7202
City, State, Zip:	Woodinville, WA 98072-4002
Test Requested By:	James Minahan
Model:	Precor Wi-Fi / Bluetooth Module Model 303346
First Date of Test:	October 6, 2015
Last Date of Test:	October 14, 2015
Receipt Date of Samples:	September 14, 2015
Equipment Design Stage:	Preproduction
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

P82 Fitness Display Console with following radios: 802.11abgn / Bluetooth and 13.56 MHz NFC. In the 2.4 GHz band, the 802.11bgn radio supports 20 MHz and 40 MHz SISO, and 20 MHz MIMO for MCS12-MCS15 data rates only. In the 5 GHz bands, the 802.11an radio supports 20 MHz SISO only.

Testing Objective:

To demonstrate compliance of the 802.11 radio under FCC 15.407 for operation in the 5.2 GHz, 5.3 GHz, 5.6 GHz and 5.8 GHz bands.

CONFIGURATIONS

NORTHWEST EMC 2014-12-10

Configuration PRCR0230- 1 and PRCR0230-6

Software/Firmware Running during test	
Description	**Version**
Android System	Driver 8.6

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Host Console	Precor, Inc	P82	AXKRF22150081
Precor Wi-Fi / Bluetooth Module	Precor, Inc	303346	None

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
AC Power Adapter	Phihong	PSAC60N-120	DOE6 (Level 6 Sample)

Remote Equipment Outside of Test Setup Boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Remote Laptop PC	HP	EliteBook 8540w	None

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Power	No	0.8m	No	AC Power Adapter	P82 Console
AC Power	No	1.8m	No	AC Mains	AC Power Adapter
USB Cable	Yes	3m	No	Remote Laptop PC	P82 Console

MODIFICATIONS

NORTHWEST EMC
2014-12-10

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	10/6/2015	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	10/6/2015	Maximum Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	10/6/2015	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	10/6/2015	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.
5	10/6/2015	Maximum Conducted 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.
6	10/6/2015	Emission Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	10/7/2015	Frequency Stability	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
8	10/14/2015	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

TEST DESCRIPTION

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Cable - Conducted Cable Assembly	Northwest EMC	NC4, HHF, RKD	NC4A	2/11/2015	2/11/2016
LISN	Solar Electronics	9252-50-R-24-BNC	LIM	12/9/2014	12/9/2015
Receiver	Rohde & Schwarz	ESCI	ARE	8/5/2015	8/5/2016

MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.4 dB	-2.4 dB

CONFIGURATIONS INVESTIGATED

PRCR0230-1

MODES INVESTIGATED

Transmitting Low Channel 36, 5180 MHz, 6Mbps, Ant 1
Transmitting High Channel 48, 5240 MHz, 6Mbps, Ant 1
Transmitting Low Channel 52, 5260 MHz, 6Mbps, Ant 2
Transmitting High Channel 64, 5320 MHz, 6Mbps, Ant 2
Transmitting Low Channel 100, 5500 MHz, 6Mbps, Ant 2
Transmitting Mid Channel 120, 5600 MHz, 6Mbps, Ant 2
Transmitting High Channel 140, 5700 MHz, 6Mbps, Ant 2
Transmitting Low Channel 149, 5745 MHz, 6Mbps, Ant 2
Transmitting Mid Channel 157, 5785 MHz, 6Mbps, Ant 2
Transmitting High Channel 165, 5825 MHz, 6Mbps, Ant 2

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	7	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

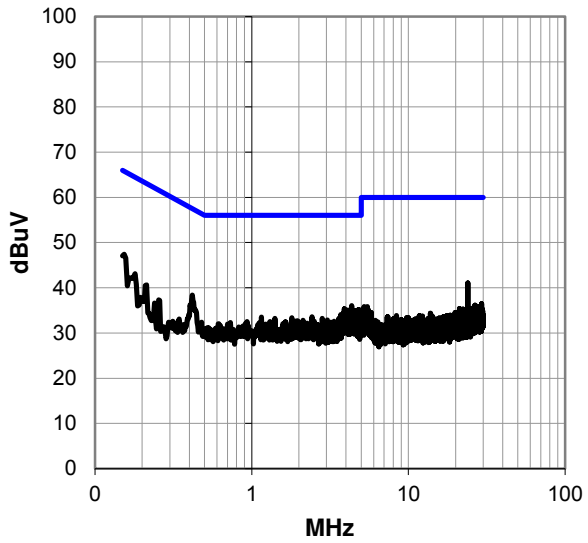
EUT OPERATING MODES

Transmitting Low Channel 36, 5180 MHz, 6Mbps, Ant 1

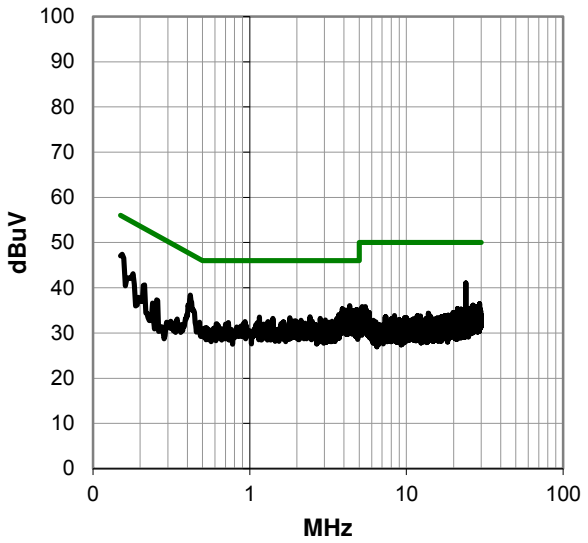
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #7

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.154	27.0	20.4	47.4	65.8	-18.4
24.001	18.2	22.9	41.1	60.0	-18.9
0.419	18.1	20.3	38.4	57.5	-19.1
4.355	15.5	20.6	36.1	56.0	-19.9
3.907	14.8	20.6	35.4	56.0	-20.6
4.825	14.6	20.6	35.2	56.0	-20.8
4.101	14.5	20.6	35.1	56.0	-20.9
4.709	14.3	20.6	34.9	56.0	-21.1
4.511	14.3	20.6	34.9	56.0	-21.1
4.284	14.3	20.6	34.9	56.0	-21.1
4.545	14.0	20.6	34.6	56.0	-21.4
4.929	13.9	20.6	34.5	56.0	-21.5
4.213	13.9	20.6	34.5	56.0	-21.5
4.030	13.9	20.6	34.5	56.0	-21.5
3.866	13.9	20.6	34.5	56.0	-21.5
4.411	13.8	20.6	34.4	56.0	-21.6
4.597	13.7	20.6	34.3	56.0	-21.7
4.996	13.7	20.6	34.3	56.0	-21.7
4.075	13.6	20.6	34.2	56.0	-21.8
3.821	13.6	20.6	34.2	56.0	-21.8
3.698	13.5	20.6	34.1	56.0	-21.9
4.955	13.4	20.6	34.0	56.0	-22.0
4.112	13.1	20.6	33.7	56.0	-22.3
2.430	13.2	20.4	33.6	56.0	-22.4
0.213	20.3	20.4	40.7	63.1	-22.4
4.481	13.0	20.6	33.6	56.0	-22.4

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.154	27.0	20.4	47.4	55.8	-8.4
24.001	18.2	22.9	41.1	50.0	-8.9
0.419	18.1	20.3	38.4	47.5	-9.1
4.355	15.5	20.6	36.1	46.0	-9.9
3.907	14.8	20.6	35.4	46.0	-10.6
4.825	14.6	20.6	35.2	46.0	-10.8
4.101	14.5	20.6	35.1	46.0	-10.9
4.709	14.3	20.6	34.9	46.0	-11.1
4.511	14.3	20.6	34.9	46.0	-11.1
4.284	14.3	20.6	34.9	46.0	-11.1
4.545	14.0	20.6	34.6	46.0	-11.4
4.929	13.9	20.6	34.5	46.0	-11.5
4.213	13.9	20.6	34.5	46.0	-11.5
4.030	13.9	20.6	34.5	46.0	-11.5
3.866	13.9	20.6	34.5	46.0	-11.5
4.411	13.8	20.6	34.4	46.0	-11.6
4.597	13.7	20.6	34.3	46.0	-11.7
4.996	13.7	20.6	34.3	46.0	-11.7
4.075	13.6	20.6	34.2	46.0	-11.8
3.821	13.6	20.6	34.2	46.0	-11.8
3.698	13.5	20.6	34.1	46.0	-11.9
4.955	13.4	20.6	34.0	46.0	-12.0
4.112	13.1	20.6	33.7	46.0	-12.3
2.430	13.2	20.4	33.6	46.0	-12.4
0.213	20.3	20.4	40.7	53.1	-12.4
4.481	13.0	20.6	33.6	46.0	-12.4

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	NONE	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	8	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

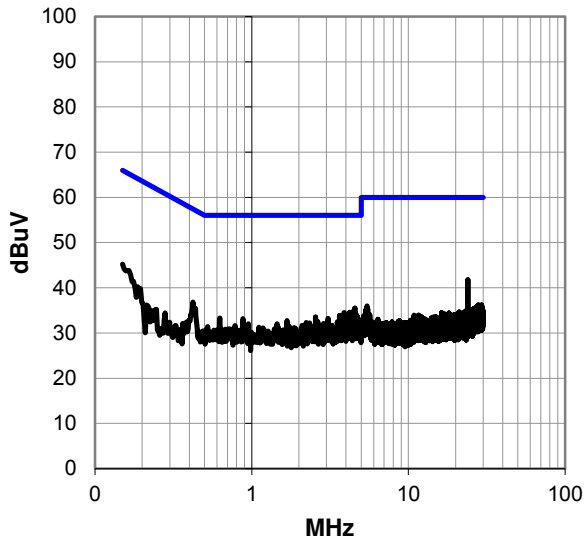
EUT OPERATING MODES

Transmitting Low Channel 36, 5180 MHz, 6Mbps, Ant 1

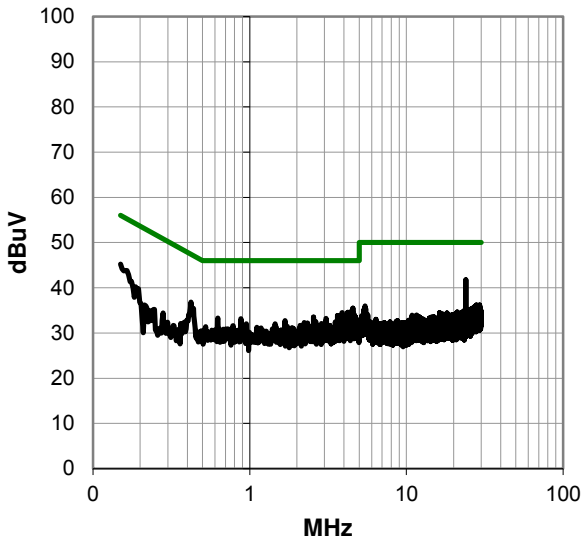
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #8

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.9	22.9	41.8	60.0	-18.2
4.552	14.9	20.6	35.5	56.0	-20.5
0.422	16.5	20.3	36.8	57.4	-20.6
0.150	24.8	20.5	45.3	66.0	-20.8
4.418	14.1	20.6	34.7	56.0	-21.3
4.220	14.0	20.6	34.6	56.0	-21.4
3.896	13.9	20.6	34.5	56.0	-21.5
4.619	13.6	20.6	34.2	56.0	-21.8
4.250	13.3	20.6	33.9	56.0	-22.1
3.635	13.3	20.6	33.9	56.0	-22.1
4.015	13.2	20.6	33.8	56.0	-22.2
4.675	13.0	20.6	33.6	56.0	-22.4
4.724	13.0	20.6	33.6	56.0	-22.4
4.392	13.0	20.6	33.6	56.0	-22.4
3.765	13.0	20.6	33.6	56.0	-22.4
2.556	13.1	20.4	33.5	56.0	-22.5
4.306	12.9	20.6	33.5	56.0	-22.5
4.146	12.8	20.6	33.4	56.0	-22.6
3.959	12.8	20.6	33.4	56.0	-22.6
0.628	13.0	20.3	33.3	56.0	-22.7
4.108	12.7	20.6	33.3	56.0	-22.7
3.075	12.8	20.5	33.3	56.0	-22.7
0.878	12.8	20.3	33.1	56.0	-22.9
4.661	12.5	20.6	33.1	56.0	-22.9
4.784	12.5	20.6	33.1	56.0	-22.9
3.709	12.4	20.6	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.9	22.9	41.8	50.0	-8.2
4.552	14.9	20.6	35.5	46.0	-10.5
0.422	16.5	20.3	36.8	47.4	-10.6
0.150	24.8	20.5	45.3	56.0	-10.8
4.418	14.1	20.6	34.7	46.0	-11.3
4.220	14.0	20.6	34.6	46.0	-11.4
3.896	13.9	20.6	34.5	46.0	-11.5
4.619	13.6	20.6	34.2	46.0	-11.8
4.250	13.3	20.6	33.9	46.0	-12.1
3.635	13.3	20.6	33.9	46.0	-12.1
4.015	13.2	20.6	33.8	46.0	-12.2
4.675	13.0	20.6	33.6	46.0	-12.4
4.724	13.0	20.6	33.6	46.0	-12.4
4.392	13.0	20.6	33.6	46.0	-12.4
3.765	13.0	20.6	33.6	46.0	-12.4
2.556	13.1	20.4	33.5	46.0	-12.5
4.306	12.9	20.6	33.5	46.0	-12.5
4.146	12.8	20.6	33.4	46.0	-12.6
3.959	12.8	20.6	33.4	46.0	-12.6
0.628	13.0	20.3	33.3	46.0	-12.7
4.108	12.7	20.6	33.3	46.0	-12.7
3.075	12.8	20.5	33.3	46.0	-12.7
0.878	12.8	20.3	33.1	46.0	-12.9
4.661	12.5	20.6	33.1	46.0	-12.9
4.784	12.5	20.6	33.1	46.0	-12.9
3.709	12.4	20.6	33.0	46.0	-13.0

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	9	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

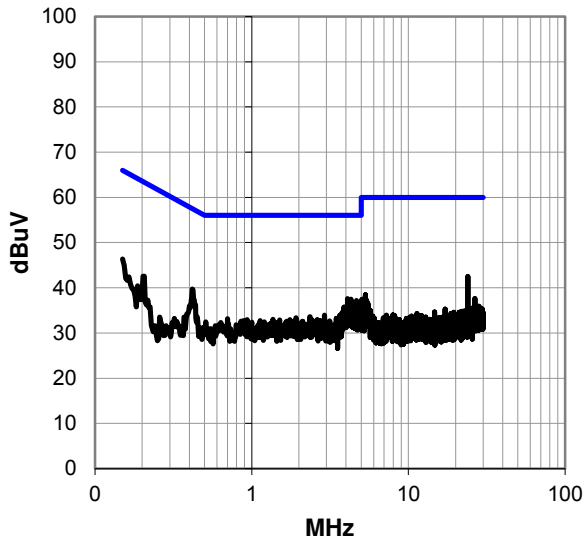
EUT OPERATING MODES

Transmitting High Channel 48, 5240 MHz, 6Mbps, Ant 1

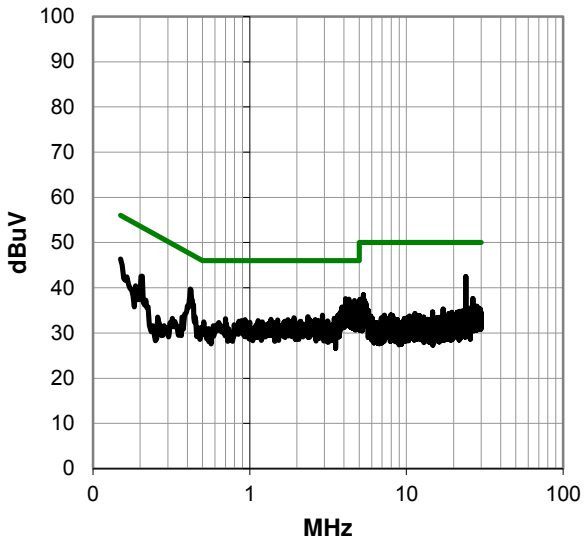
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #9

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.6	22.9	42.5	60.0	-17.5
0.419	19.4	20.3	39.7	57.5	-17.8
4.097	17.0	20.6	37.6	56.0	-18.4
4.299	16.9	20.6	37.5	56.0	-18.5
4.675	16.6	20.6	37.2	56.0	-18.8
4.351	16.1	20.6	36.7	56.0	-19.3
4.161	16.1	20.6	36.7	56.0	-19.3
0.150	25.9	20.5	46.4	66.0	-19.7
4.884	15.7	20.6	36.3	56.0	-19.7
4.250	15.6	20.6	36.2	56.0	-19.8
4.134	15.5	20.6	36.1	56.0	-19.9
4.493	15.4	20.6	36.0	56.0	-20.0
4.224	15.2	20.6	35.8	56.0	-20.2
3.963	15.1	20.6	35.7	56.0	-20.3
3.881	15.1	20.6	35.7	56.0	-20.3
3.911	14.9	20.6	35.5	56.0	-20.5
4.519	14.8	20.6	35.4	56.0	-20.6
4.787	14.5	20.6	35.1	56.0	-20.9
0.202	22.2	20.4	42.6	63.5	-20.9
4.728	14.4	20.6	35.0	56.0	-21.0
4.056	14.4	20.6	35.0	56.0	-21.0
4.657	14.2	20.6	34.8	56.0	-21.2
4.556	14.2	20.6	34.8	56.0	-21.2
3.832	14.2	20.6	34.8	56.0	-21.2
4.605	14.1	20.6	34.7	56.0	-21.3
5.328	17.8	20.6	38.4	60.0	-21.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.6	22.9	42.5	50.0	-7.5
0.419	19.4	20.3	39.7	47.5	-7.8
4.097	17.0	20.6	37.6	46.0	-8.4
4.299	16.9	20.6	37.5	46.0	-8.5
4.675	16.6	20.6	37.2	46.0	-8.8
4.351	16.1	20.6	36.7	46.0	-9.3
4.161	16.1	20.6	36.7	46.0	-9.3
0.150	25.9	20.5	46.4	56.0	-9.7
4.884	15.7	20.6	36.3	46.0	-9.7
4.250	15.6	20.6	36.2	46.0	-9.8
4.134	15.5	20.6	36.1	46.0	-9.9
4.493	15.4	20.6	36.0	46.0	-10.0
4.224	15.2	20.6	35.8	46.0	-10.2
3.963	15.1	20.6	35.7	46.0	-10.3
3.881	15.1	20.6	35.7	46.0	-10.3
3.911	14.9	20.6	35.5	46.0	-10.5
4.519	14.8	20.6	35.4	46.0	-10.6
4.787	14.5	20.6	35.1	46.0	-10.9
0.202	22.2	20.4	42.6	53.5	-10.9
4.728	14.4	20.6	35.0	46.0	-11.0
4.056	14.4	20.6	35.0	46.0	-11.0
4.657	14.2	20.6	34.8	46.0	-11.2
4.556	14.2	20.6	34.8	46.0	-11.2
3.832	14.2	20.6	34.8	46.0	-11.2
4.605	14.1	20.6	34.7	46.0	-11.3
5.328	17.8	20.6	38.4	50.0	-11.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	10	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

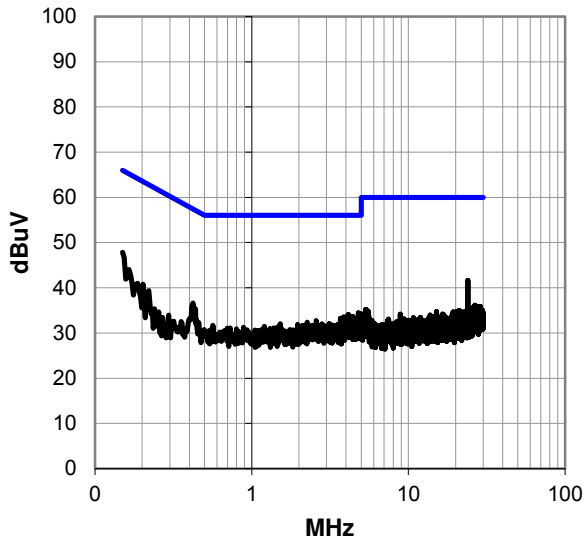
EUT OPERATING MODES

Transmitting High Channel 48, 5240 MHz, 6Mbps, Ant 1

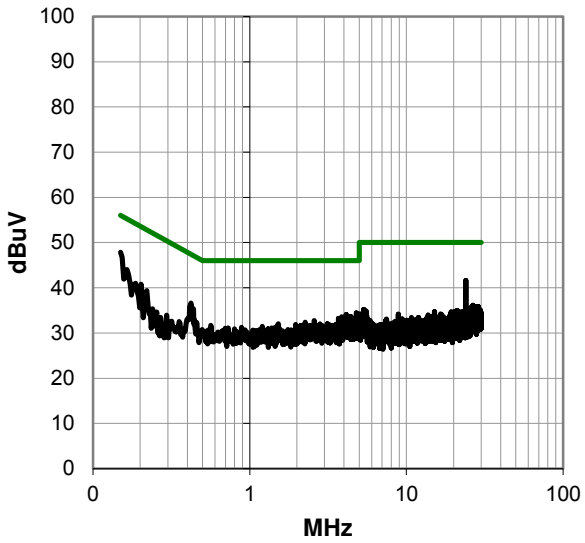
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #10

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	27.4	20.5	47.9	66.0	-18.2
24.001	18.7	22.9	41.6	60.0	-18.4
0.422	16.3	20.3	36.6	57.4	-20.8
4.791	13.8	20.6	34.4	56.0	-21.6
4.127	13.5	20.6	34.1	56.0	-21.9
4.877	13.4	20.6	34.0	56.0	-22.0
4.411	13.1	20.6	33.7	56.0	-22.3
3.873	13.0	20.6	33.6	56.0	-22.4
4.970	12.8	20.6	33.4	56.0	-22.6
4.362	12.8	20.6	33.4	56.0	-22.6
4.287	12.8	20.6	33.4	56.0	-22.6
4.097	12.8	20.6	33.4	56.0	-22.6
4.526	12.7	20.6	33.3	56.0	-22.7
4.459	12.7	20.6	33.3	56.0	-22.7
0.202	20.4	20.4	40.8	63.5	-22.7
3.683	12.7	20.6	33.3	56.0	-22.7
4.698	12.6	20.6	33.2	56.0	-22.8
4.392	12.6	20.6	33.2	56.0	-22.8
4.638	12.3	20.6	32.9	56.0	-23.1
4.444	12.3	20.6	32.9	56.0	-23.1
3.784	12.3	20.6	32.9	56.0	-23.1
4.190	12.2	20.6	32.8	56.0	-23.2
3.720	12.2	20.6	32.8	56.0	-23.2
2.582	12.3	20.4	32.7	56.0	-23.3
4.086	12.1	20.6	32.7	56.0	-23.3
4.067	12.1	20.6	32.7	56.0	-23.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	27.4	20.5	47.9	56.0	-8.2
24.001	18.7	22.9	41.6	50.0	-8.4
0.422	16.3	20.3	36.6	47.4	-10.8
4.791	13.8	20.6	34.4	46.0	-11.6
4.127	13.5	20.6	34.1	46.0	-11.9
4.877	13.4	20.6	34.0	46.0	-12.0
4.411	13.1	20.6	33.7	46.0	-12.3
3.873	13.0	20.6	33.6	46.0	-12.4
4.970	12.8	20.6	33.4	46.0	-12.6
4.362	12.8	20.6	33.4	46.0	-12.6
4.287	12.8	20.6	33.4	46.0	-12.6
4.097	12.8	20.6	33.4	46.0	-12.6
4.526	12.7	20.6	33.3	46.0	-12.7
4.459	12.7	20.6	33.3	46.0	-12.7
0.202	20.4	20.4	40.8	53.5	-12.7
3.683	12.7	20.6	33.3	46.0	-12.7
4.698	12.6	20.6	33.2	46.0	-12.8
4.392	12.6	20.6	33.2	46.0	-12.8
4.638	12.3	20.6	32.9	46.0	-13.1
4.444	12.3	20.6	32.9	46.0	-13.1
3.784	12.3	20.6	32.9	46.0	-13.1
4.190	12.2	20.6	32.8	46.0	-13.2
3.720	12.2	20.6	32.8	46.0	-13.2
2.582	12.3	20.4	32.7	46.0	-13.3
4.086	12.1	20.6	32.7	46.0	-13.3
4.067	12.1	20.6	32.7	46.0	-13.3

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	11	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

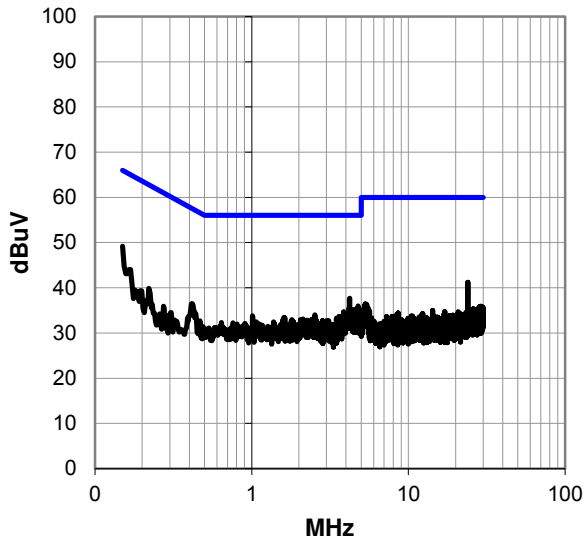
EUT OPERATING MODES

Transmitting Low Channel 52, 5260 MHz, 6Mbps, Ant 2

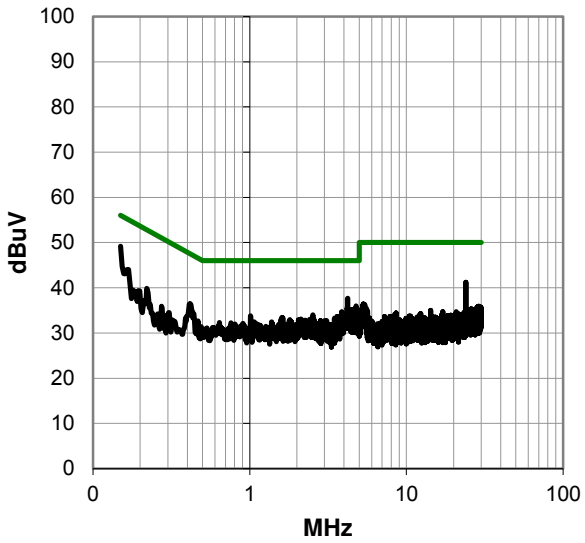
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #11

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	28.7	20.5	49.2	66.0	-16.9
4.217	17.1	20.6	37.7	56.0	-18.3
24.001	18.3	22.9	41.2	60.0	-18.8
4.784	15.4	20.6	36.0	56.0	-20.0
4.194	15.0	20.6	35.6	56.0	-20.4
4.515	14.6	20.6	35.2	56.0	-20.8
4.720	14.5	20.6	35.1	56.0	-20.9
4.776	14.5	20.6	35.1	56.0	-20.9
4.963	14.5	20.6	35.1	56.0	-20.9
0.419	16.2	20.3	36.5	57.5	-21.0
4.463	14.4	20.6	35.0	56.0	-21.0
4.362	14.2	20.6	34.8	56.0	-21.2
3.862	14.1	20.6	34.7	56.0	-21.3
4.586	13.7	20.6	34.3	56.0	-21.7
4.127	13.7	20.6	34.3	56.0	-21.7
4.041	13.6	20.6	34.2	56.0	-21.8
4.623	13.5	20.6	34.1	56.0	-21.9
2.527	13.6	20.4	34.0	56.0	-22.0
1.012	13.5	20.3	33.8	56.0	-22.2
4.661	13.2	20.6	33.8	56.0	-22.2
3.623	13.1	20.6	33.7	56.0	-22.3
1.601	13.1	20.4	33.5	56.0	-22.5
3.911	12.8	20.6	33.4	56.0	-22.6
1.624	13.0	20.4	33.4	56.0	-22.6
3.478	12.8	20.5	33.3	56.0	-22.7
3.773	12.6	20.6	33.2	56.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	28.7	20.5	49.2	56.0	-6.8
4.217	17.1	20.6	37.7	46.0	-8.3
24.001	18.3	22.9	41.2	50.0	-8.8
4.784	15.4	20.6	36.0	46.0	-10.0
4.194	15.0	20.6	35.6	46.0	-10.4
4.515	14.6	20.6	35.2	46.0	-10.8
4.720	14.5	20.6	35.1	46.0	-10.9
4.776	14.5	20.6	35.1	46.0	-10.9
4.963	14.5	20.6	35.1	46.0	-10.9
0.419	16.2	20.3	36.5	47.5	-11.0
4.463	14.4	20.6	35.0	46.0	-11.0
4.362	14.2	20.6	34.8	46.0	-11.2
3.862	14.1	20.6	34.7	46.0	-11.3
4.586	13.7	20.6	34.3	46.0	-11.7
4.127	13.7	20.6	34.3	46.0	-11.7
4.041	13.6	20.6	34.2	46.0	-11.8
4.623	13.5	20.6	34.1	46.0	-11.9
2.527	13.6	20.4	34.0	46.0	-12.0
1.012	13.5	20.3	33.8	46.0	-12.2
4.661	13.2	20.6	33.8	46.0	-12.2
3.623	13.1	20.6	33.7	46.0	-12.3
1.601	13.1	20.4	33.5	46.0	-12.5
3.911	12.8	20.6	33.4	46.0	-12.6
1.624	13.0	20.4	33.4	46.0	-12.6
3.478	12.8	20.5	33.3	46.0	-12.7
3.773	12.6	20.6	33.2	46.0	-12.8

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	12	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

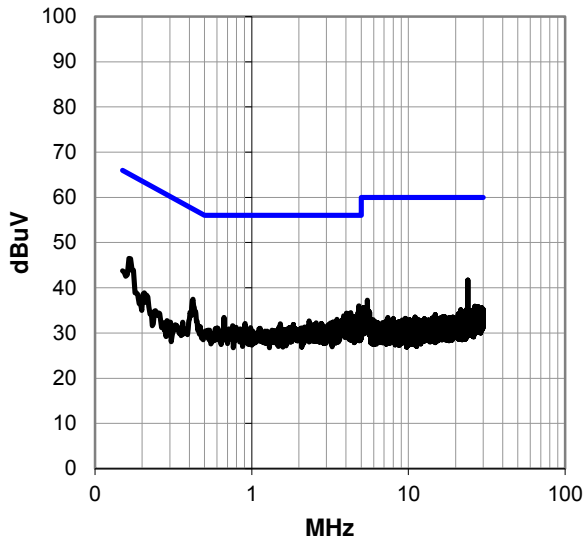
EUT OPERATING MODES

Transmitting Low Channel 52, 5260 MHz, 6Mbps, Ant 2

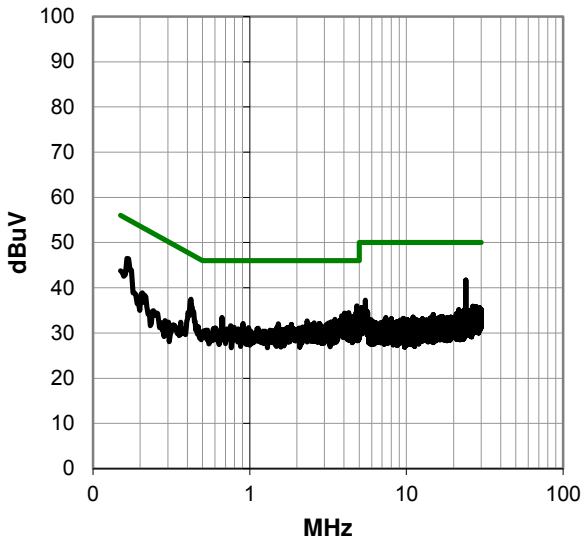
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #12

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.8	22.9	41.7	60.0	-18.3
0.165	26.1	20.4	46.5	65.2	-18.7
0.422	17.2	20.3	37.5	57.4	-19.9
4.832	15.4	20.6	36.0	56.0	-20.0
4.974	14.2	20.6	34.8	56.0	-21.2
4.776	13.9	20.6	34.5	56.0	-21.5
4.276	13.9	20.6	34.5	56.0	-21.5
4.034	13.8	20.6	34.4	56.0	-21.6
4.948	13.6	20.6	34.2	56.0	-21.8
4.112	13.3	20.6	33.9	56.0	-22.1
3.873	13.2	20.6	33.8	56.0	-22.2
4.325	13.1	20.6	33.7	56.0	-22.3
4.452	13.0	20.6	33.6	56.0	-22.4
4.425	13.0	20.6	33.6	56.0	-22.4
4.011	12.9	20.6	33.5	56.0	-22.5
0.665	13.1	20.3	33.4	56.0	-22.6
4.713	12.8	20.6	33.4	56.0	-22.6
4.384	12.8	20.6	33.4	56.0	-22.6
3.948	12.7	20.6	33.3	56.0	-22.7
5.485	16.6	20.7	37.3	60.0	-22.7
3.926	12.6	20.6	33.2	56.0	-22.8
3.497	12.5	20.5	33.0	56.0	-23.0
4.582	12.3	20.6	32.9	56.0	-23.1
4.485	12.3	20.6	32.9	56.0	-23.1
4.142	12.3	20.6	32.9	56.0	-23.1
3.780	12.3	20.6	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.8	22.9	41.7	50.0	-8.3
0.165	26.1	20.4	46.5	55.2	-8.7
0.422	17.2	20.3	37.5	47.4	-9.9
4.832	15.4	20.6	36.0	46.0	-10.0
4.974	14.2	20.6	34.8	46.0	-11.2
4.776	13.9	20.6	34.5	46.0	-11.5
4.276	13.9	20.6	34.5	46.0	-11.5
4.034	13.8	20.6	34.4	46.0	-11.6
4.948	13.6	20.6	34.2	46.0	-11.8
4.112	13.3	20.6	33.9	46.0	-12.1
3.873	13.2	20.6	33.8	46.0	-12.2
4.325	13.1	20.6	33.7	46.0	-12.3
4.452	13.0	20.6	33.6	46.0	-12.4
4.425	13.0	20.6	33.6	46.0	-12.4
4.011	12.9	20.6	33.5	46.0	-12.5
0.665	13.1	20.3	33.4	46.0	-12.6
4.713	12.8	20.6	33.4	46.0	-12.6
4.384	12.8	20.6	33.4	46.0	-12.6
3.948	12.7	20.6	33.3	46.0	-12.7
5.485	16.6	20.7	37.3	50.0	-12.7
3.926	12.6	20.6	33.2	46.0	-12.8
3.497	12.5	20.5	33.0	46.0	-13.0
4.582	12.3	20.6	32.9	46.0	-13.1
4.485	12.3	20.6	32.9	46.0	-13.1
4.142	12.3	20.6	32.9	46.0	-13.1
3.780	12.3	20.6	32.9	46.0	-13.1

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	13	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

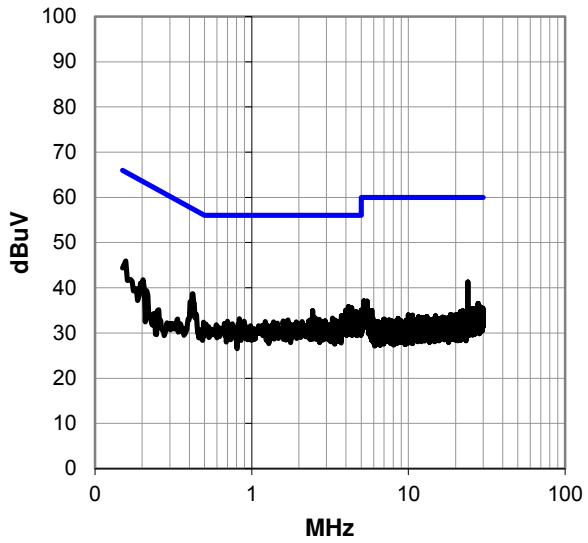
EUT OPERATING MODES

Transmitting High Channel 64, 5320 MHz, 6Mbps, Ant 2

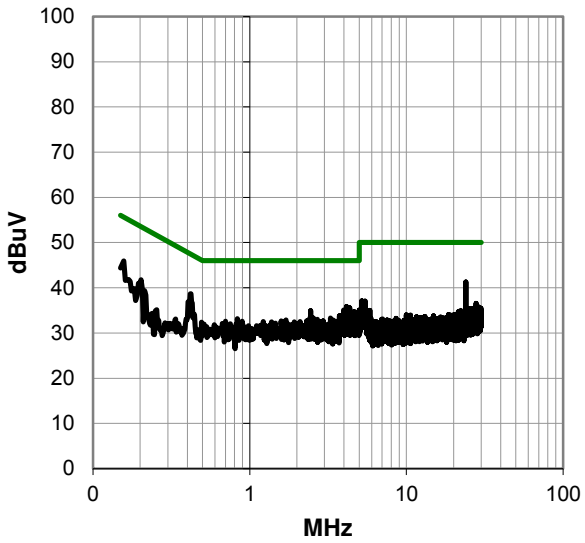
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #13

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.4	22.9	41.3	60.0	-18.7
0.419	18.4	20.3	38.7	57.5	-18.8
0.157	25.5	20.4	45.9	65.6	-19.7
4.153	15.3	20.6	35.9	56.0	-20.1
4.347	15.0	20.6	35.6	56.0	-20.4
4.306	14.6	20.6	35.2	56.0	-20.8
4.246	14.5	20.6	35.1	56.0	-20.9
4.134	14.5	20.6	35.1	56.0	-20.9
3.982	14.5	20.6	35.1	56.0	-20.9
2.448	14.5	20.4	34.9	56.0	-21.1
4.642	14.1	20.6	34.7	56.0	-21.3
4.545	13.9	20.6	34.5	56.0	-21.5
4.772	13.8	20.6	34.4	56.0	-21.6
0.202	21.4	20.4	41.8	63.5	-21.7
4.952	13.6	20.6	34.2	56.0	-21.8
4.265	13.6	20.6	34.2	56.0	-21.8
4.015	13.6	20.6	34.2	56.0	-21.8
4.836	13.4	20.6	34.0	56.0	-22.0
3.952	13.3	20.6	33.9	56.0	-22.1
3.881	13.3	20.6	33.9	56.0	-22.1
3.743	13.2	20.6	33.8	56.0	-22.2
4.597	13.1	20.6	33.7	56.0	-22.3
4.459	13.0	20.6	33.6	56.0	-22.4
4.429	13.0	20.6	33.6	56.0	-22.4
2.430	13.0	20.4	33.4	56.0	-22.6
4.728	12.8	20.6	33.4	56.0	-22.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.4	22.9	41.3	50.0	-8.7
0.419	18.4	20.3	38.7	47.5	-8.8
0.157	25.5	20.4	45.9	55.6	-9.7
4.153	15.3	20.6	35.9	46.0	-10.1
4.347	15.0	20.6	35.6	46.0	-10.4
4.306	14.6	20.6	35.2	46.0	-10.8
4.246	14.5	20.6	35.1	46.0	-10.9
4.134	14.5	20.6	35.1	46.0	-10.9
3.982	14.5	20.6	35.1	46.0	-10.9
2.448	14.5	20.4	34.9	46.0	-11.1
4.642	14.1	20.6	34.7	46.0	-11.3
4.545	13.9	20.6	34.5	46.0	-11.5
4.772	13.8	20.6	34.4	46.0	-11.6
0.202	21.4	20.4	41.8	53.5	-11.7
4.952	13.6	20.6	34.2	46.0	-11.8
4.265	13.6	20.6	34.2	46.0	-11.8
4.015	13.6	20.6	34.2	46.0	-11.8
4.836	13.4	20.6	34.0	46.0	-12.0
3.952	13.3	20.6	33.9	46.0	-12.1
3.881	13.3	20.6	33.9	46.0	-12.1
3.743	13.2	20.6	33.8	46.0	-12.2
4.597	13.1	20.6	33.7	46.0	-12.3
4.459	13.0	20.6	33.6	46.0	-12.4
4.429	13.0	20.6	33.6	46.0	-12.4
2.430	13.0	20.4	33.4	46.0	-12.6
4.728	12.8	20.6	33.4	46.0	-12.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	14	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

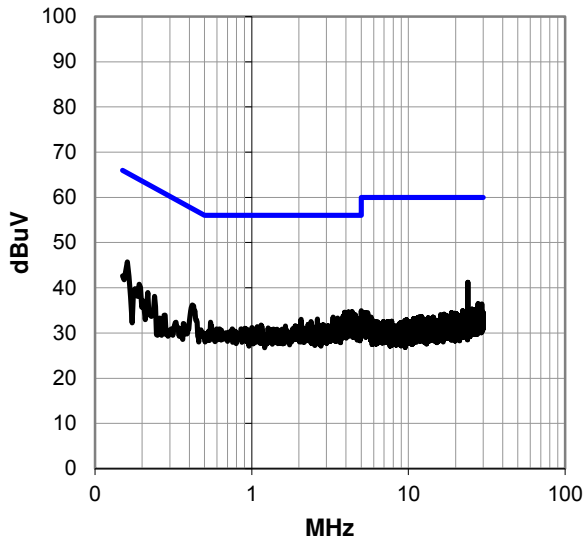
EUT OPERATING MODES

Transmitting High Channel 64, 5320 MHz, 6Mbps, Ant 2

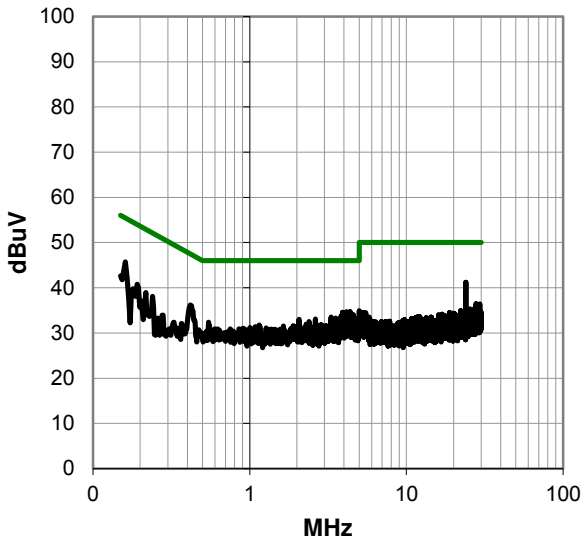
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #14

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.3	22.9	41.2	60.0	-18.8
0.161	25.3	20.4	45.7	65.4	-19.7
0.419	15.9	20.3	36.2	57.5	-21.3
4.366	14.1	20.6	34.7	56.0	-21.3
4.149	14.1	20.6	34.7	56.0	-21.3
3.918	14.0	20.6	34.6	56.0	-21.4
4.067	13.8	20.6	34.4	56.0	-21.6
4.000	13.5	20.6	34.1	56.0	-21.9
4.571	13.4	20.6	34.0	56.0	-22.0
4.478	13.4	20.6	34.0	56.0	-22.0
3.892	13.3	20.6	33.9	56.0	-22.1
3.873	13.3	20.6	33.9	56.0	-22.1
4.250	13.1	20.6	33.7	56.0	-22.3
3.802	13.0	20.6	33.6	56.0	-22.4
4.273	12.9	20.6	33.5	56.0	-22.5
3.303	13.0	20.5	33.5	56.0	-22.5
3.940	12.8	20.6	33.4	56.0	-22.6
3.526	12.8	20.5	33.3	56.0	-22.7
4.769	12.6	20.6	33.2	56.0	-22.8
2.627	12.7	20.4	33.1	56.0	-22.9
4.795	12.5	20.6	33.1	56.0	-22.9
2.064	12.6	20.4	33.0	56.0	-23.0
4.713	12.4	20.6	33.0	56.0	-23.0
4.892	12.4	20.6	33.0	56.0	-23.0
4.653	12.3	20.6	32.9	56.0	-23.1
3.750	12.3	20.6	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.3	22.9	41.2	50.0	-8.8
0.161	25.3	20.4	45.7	55.4	-9.7
0.419	15.9	20.3	36.2	47.5	-11.3
4.366	14.1	20.6	34.7	46.0	-11.3
4.149	14.1	20.6	34.7	46.0	-11.3
3.918	14.0	20.6	34.6	46.0	-11.4
4.067	13.8	20.6	34.4	46.0	-11.6
4.000	13.5	20.6	34.1	46.0	-11.9
4.571	13.4	20.6	34.0	46.0	-12.0
4.478	13.4	20.6	34.0	46.0	-12.0
3.892	13.3	20.6	33.9	46.0	-12.1
3.873	13.3	20.6	33.9	46.0	-12.1
4.250	13.1	20.6	33.7	46.0	-12.3
3.802	13.0	20.6	33.6	46.0	-12.4
4.273	12.9	20.6	33.5	46.0	-12.5
3.303	13.0	20.5	33.5	46.0	-12.5
3.940	12.8	20.6	33.4	46.0	-12.6
3.526	12.8	20.5	33.3	46.0	-12.7
4.769	12.6	20.6	33.2	46.0	-12.8
2.627	12.7	20.4	33.1	46.0	-12.9
4.795	12.5	20.6	33.1	46.0	-12.9
2.064	12.6	20.4	33.0	46.0	-13.0
4.713	12.4	20.6	33.0	46.0	-13.0
4.892	12.4	20.6	33.0	46.0	-13.0
4.653	12.3	20.6	32.9	46.0	-13.1
3.750	12.3	20.6	32.9	46.0	-13.1

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	15	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

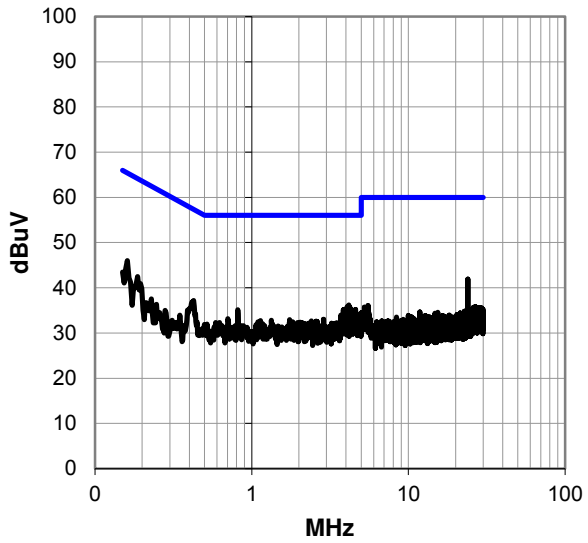
EUT OPERATING MODES

Transmitting Low Channel 100, 5500 MHz, 6Mbps, Ant 2

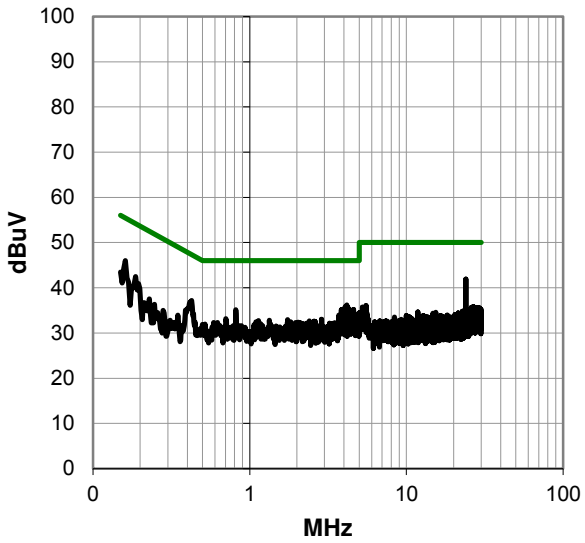
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #15

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.0	22.9	41.9	60.0	-18.1
0.161	25.6	20.4	46.0	65.4	-19.4
4.161	15.6	20.6	36.2	56.0	-19.8
4.064	15.3	20.6	35.9	56.0	-20.1
0.426	16.9	20.3	37.2	57.3	-20.1
4.228	15.1	20.6	35.7	56.0	-20.3
4.246	14.8	20.6	35.4	56.0	-20.6
4.597	14.6	20.6	35.2	56.0	-20.8
3.851	14.6	20.6	35.2	56.0	-20.8
0.814	14.8	20.3	35.1	56.0	-20.9
4.273	13.9	20.6	34.5	56.0	-21.5
4.023	13.9	20.6	34.5	56.0	-21.5
3.885	13.9	20.6	34.5	56.0	-21.5
0.187	22.1	20.4	42.5	64.2	-21.7
4.925	13.7	20.6	34.3	56.0	-21.7
4.493	13.6	20.6	34.2	56.0	-21.8
3.937	13.6	20.6	34.2	56.0	-21.8
4.381	13.5	20.6	34.1	56.0	-21.9
4.784	13.4	20.6	34.0	56.0	-22.0
4.821	13.4	20.6	34.0	56.0	-22.0
4.892	13.4	20.6	34.0	56.0	-22.0
3.713	13.4	20.6	34.0	56.0	-22.0
4.862	13.3	20.6	33.9	56.0	-22.1
4.425	13.3	20.6	33.9	56.0	-22.1
4.724	13.2	20.6	33.8	56.0	-22.2
3.866	13.1	20.6	33.7	56.0	-22.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.0	22.9	41.9	50.0	-8.1
0.161	25.6	20.4	46.0	55.4	-9.4
4.161	15.6	20.6	36.2	46.0	-9.8
4.064	15.3	20.6	35.9	46.0	-10.1
0.426	16.9	20.3	37.2	47.3	-10.1
4.228	15.1	20.6	35.7	46.0	-10.3
4.246	14.8	20.6	35.4	46.0	-10.6
4.597	14.6	20.6	35.2	46.0	-10.8
3.851	14.6	20.6	35.2	46.0	-10.8
0.814	14.8	20.3	35.1	46.0	-10.9
4.273	13.9	20.6	34.5	46.0	-11.5
4.023	13.9	20.6	34.5	46.0	-11.5
3.885	13.9	20.6	34.5	46.0	-11.5
0.187	22.1	20.4	42.5	54.2	-11.7
4.925	13.7	20.6	34.3	46.0	-11.7
4.493	13.6	20.6	34.2	46.0	-11.8
3.937	13.6	20.6	34.2	46.0	-11.8
4.381	13.5	20.6	34.1	46.0	-11.9
4.784	13.4	20.6	34.0	46.0	-12.0
4.821	13.4	20.6	34.0	46.0	-12.0
4.892	13.4	20.6	34.0	46.0	-12.0
3.713	13.4	20.6	34.0	46.0	-12.0
4.862	13.3	20.6	33.9	46.0	-12.1
4.425	13.3	20.6	33.9	46.0	-12.1
4.724	13.2	20.6	33.8	46.0	-12.2
3.866	13.1	20.6	33.7	46.0	-12.3

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	16	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

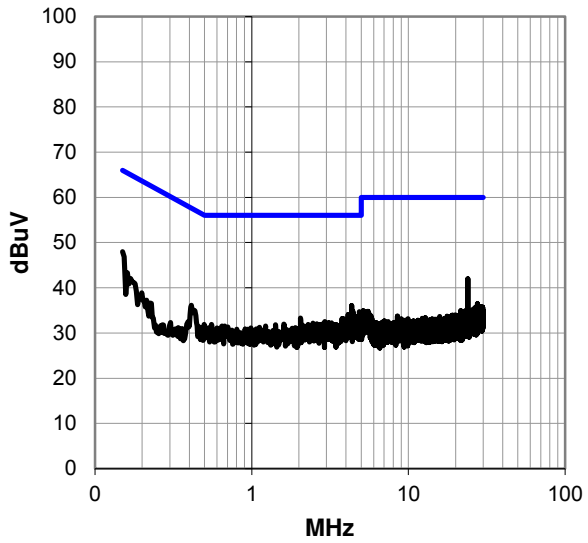
EUT OPERATING MODES

Transmitting Low Channel 100, 5500 MHz, 6Mbps, Ant 2

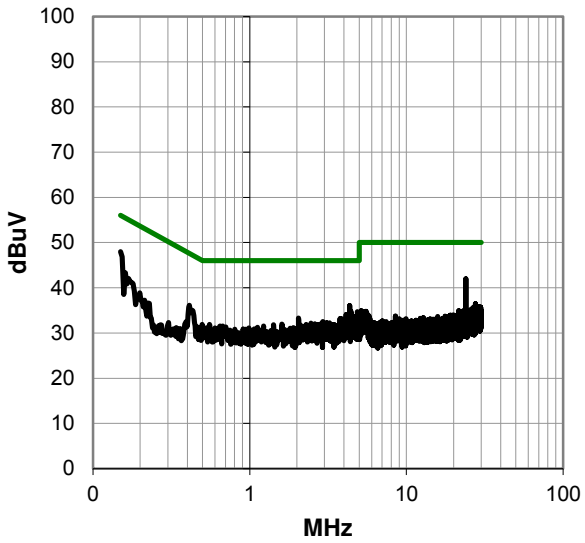
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #16

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.1	22.9	42.0	60.0	-18.0
0.150	27.5	20.5	48.0	66.0	-18.1
4.347	15.5	20.6	36.1	56.0	-19.9
4.425	14.2	20.6	34.8	56.0	-21.2
4.877	14.1	20.6	34.7	56.0	-21.3
0.411	15.8	20.3	36.1	57.6	-21.5
4.131	13.5	20.6	34.1	56.0	-21.9
4.231	13.4	20.6	34.0	56.0	-22.0
0.161	22.9	20.4	43.3	65.4	-22.1
4.489	13.3	20.6	33.9	56.0	-22.1
4.698	13.0	20.6	33.6	56.0	-22.4
2.053	12.9	20.4	33.3	56.0	-22.7
4.366	12.7	20.6	33.3	56.0	-22.7
4.661	12.6	20.6	33.2	56.0	-22.8
4.310	12.6	20.6	33.2	56.0	-22.8
3.862	12.6	20.6	33.2	56.0	-22.8
3.780	12.6	20.6	33.2	56.0	-22.8
4.023	12.3	20.6	32.9	56.0	-23.1
4.795	12.2	20.6	32.8	56.0	-23.2
3.914	12.2	20.6	32.8	56.0	-23.2
4.605	12.1	20.6	32.7	56.0	-23.3
4.724	12.1	20.6	32.7	56.0	-23.3
3.952	12.1	20.6	32.7	56.0	-23.3
2.922	12.1	20.4	32.5	56.0	-23.5
27.609	13.0	23.5	36.5	60.0	-23.5
3.228	11.8	20.5	32.3	56.0	-23.7

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.1	22.9	42.0	50.0	-8.0
0.150	27.5	20.5	48.0	56.0	-8.1
4.347	15.5	20.6	36.1	46.0	-9.9
4.425	14.2	20.6	34.8	46.0	-11.2
4.877	14.1	20.6	34.7	46.0	-11.3
0.411	15.8	20.3	36.1	47.6	-11.5
4.131	13.5	20.6	34.1	46.0	-11.9
4.231	13.4	20.6	34.0	46.0	-12.0
0.161	22.9	20.4	43.3	55.4	-12.1
4.489	13.3	20.6	33.9	46.0	-12.1
4.698	13.0	20.6	33.6	46.0	-12.4
2.053	12.9	20.4	33.3	46.0	-12.7
4.366	12.7	20.6	33.3	46.0	-12.7
4.661	12.6	20.6	33.2	46.0	-12.8
4.310	12.6	20.6	33.2	46.0	-12.8
3.862	12.6	20.6	33.2	46.0	-12.8
3.780	12.6	20.6	33.2	46.0	-12.8
4.023	12.3	20.6	32.9	46.0	-13.1
4.795	12.2	20.6	32.8	46.0	-13.2
3.914	12.2	20.6	32.8	46.0	-13.2
4.605	12.1	20.6	32.7	46.0	-13.3
4.724	12.1	20.6	32.7	46.0	-13.3
3.952	12.1	20.6	32.7	46.0	-13.3
2.922	12.1	20.4	32.5	46.0	-13.5
27.609	13.0	23.5	36.5	50.0	-13.5
3.228	11.8	20.5	32.3	46.0	-13.7

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	17	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

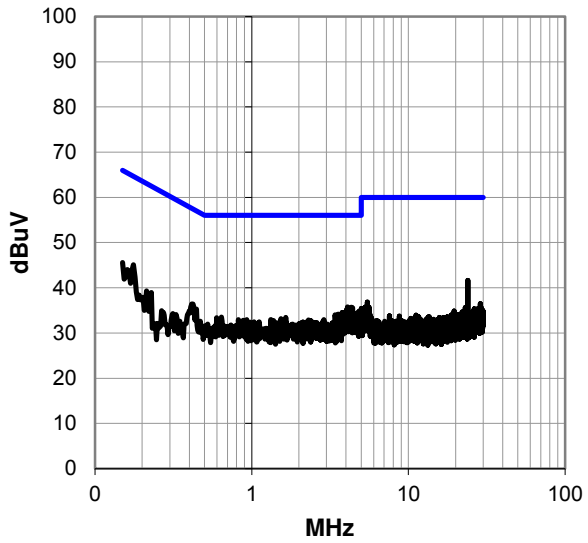
EUT OPERATING MODES

Transmitting Mid Channel 120, 5600 MHz, 6Mbps, Ant 2

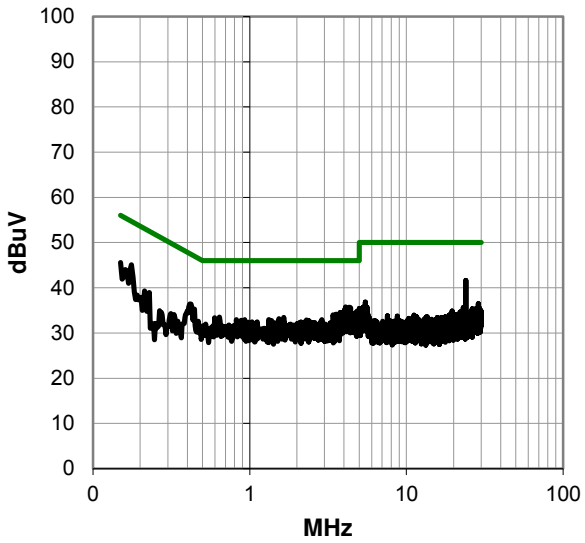
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #17

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.7	22.9	41.6	60.0	-18.4
0.176	24.7	20.4	45.1	64.7	-19.6
4.086	15.2	20.6	35.8	56.0	-20.2
4.336	15.1	20.6	35.7	56.0	-20.3
4.399	15.0	20.6	35.6	56.0	-20.4
0.150	25.1	20.5	45.6	66.0	-20.5
4.217	14.5	20.6	35.1	56.0	-20.9
4.037	14.5	20.6	35.1	56.0	-20.9
4.246	14.4	20.6	35.0	56.0	-21.0
0.415	16.1	20.3	36.4	57.5	-21.1
4.828	14.1	20.6	34.7	56.0	-21.3
3.955	14.1	20.6	34.7	56.0	-21.3
4.179	13.9	20.6	34.5	56.0	-21.5
3.780	13.9	20.6	34.5	56.0	-21.5
4.877	13.8	20.6	34.4	56.0	-21.6
4.515	13.8	20.6	34.4	56.0	-21.6
4.802	13.6	20.6	34.2	56.0	-21.8
3.560	13.6	20.5	34.1	56.0	-21.9
3.877	13.5	20.6	34.1	56.0	-21.9
3.411	13.5	20.5	34.0	56.0	-22.0
4.683	13.2	20.6	33.8	56.0	-22.2
3.765	13.1	20.6	33.7	56.0	-22.3
4.933	13.0	20.6	33.6	56.0	-22.4
0.642	13.2	20.3	33.5	56.0	-22.5
1.646	13.1	20.4	33.5	56.0	-22.5
0.598	13.1	20.3	33.4	56.0	-22.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.7	22.9	41.6	50.0	-8.4
0.176	24.7	20.4	45.1	54.7	-9.6
4.086	15.2	20.6	35.8	46.0	-10.2
4.336	15.1	20.6	35.7	46.0	-10.3
4.399	15.0	20.6	35.6	46.0	-10.4
0.150	25.1	20.5	45.6	56.0	-10.5
4.217	14.5	20.6	35.1	46.0	-10.9
4.037	14.5	20.6	35.1	46.0	-10.9
4.246	14.4	20.6	35.0	46.0	-11.0
0.415	16.1	20.3	36.4	47.5	-11.1
4.828	14.1	20.6	34.7	46.0	-11.3
3.955	14.1	20.6	34.7	46.0	-11.3
4.179	13.9	20.6	34.5	46.0	-11.5
3.780	13.9	20.6	34.5	46.0	-11.5
4.877	13.8	20.6	34.4	46.0	-11.6
4.515	13.8	20.6	34.4	46.0	-11.6
4.802	13.6	20.6	34.2	46.0	-11.8
3.560	13.6	20.5	34.1	46.0	-11.9
3.877	13.5	20.6	34.1	46.0	-11.9
3.411	13.5	20.5	34.0	46.0	-12.0
4.683	13.2	20.6	33.8	46.0	-12.2
3.765	13.1	20.6	33.7	46.0	-12.3
4.933	13.0	20.6	33.6	46.0	-12.4
0.642	13.2	20.3	33.5	46.0	-12.5
1.646	13.1	20.4	33.5	46.0	-12.5
0.598	13.1	20.3	33.4	46.0	-12.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	18	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

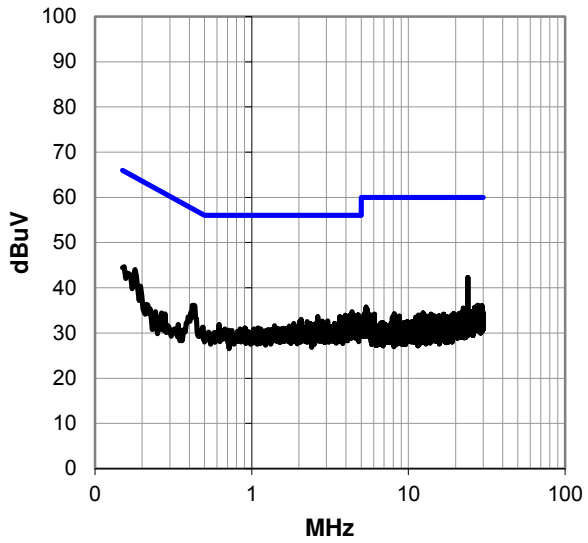
EUT OPERATING MODES

Transmitting Mid Channel 120, 5600 MHz, 6Mbps, Ant 2

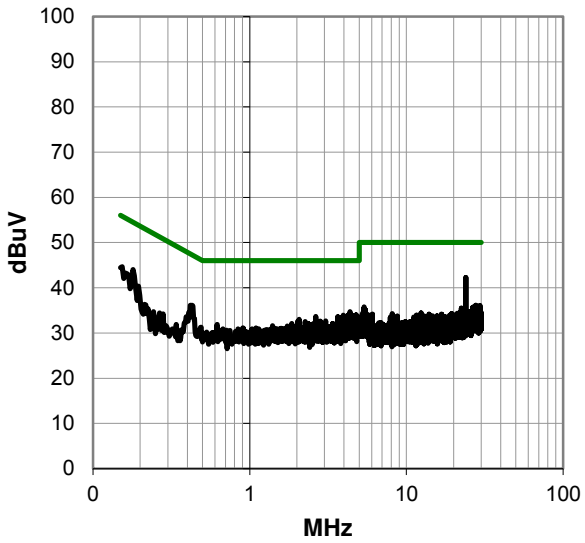
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #18

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.4	22.9	42.3	60.0	-17.7
0.180	23.6	20.4	44.0	64.5	-20.5
0.154	24.2	20.4	44.6	65.8	-21.2
4.377	14.1	20.6	34.7	56.0	-21.3
0.419	15.8	20.3	36.1	57.5	-21.4
4.769	13.4	20.6	34.0	56.0	-22.0
4.258	13.4	20.6	34.0	56.0	-22.0
3.963	13.4	20.6	34.0	56.0	-22.0
4.552	13.2	20.6	33.8	56.0	-22.2
4.534	13.2	20.6	33.8	56.0	-22.2
4.194	13.2	20.6	33.8	56.0	-22.2
2.646	13.2	20.4	33.6	56.0	-22.4
3.649	13.0	20.6	33.6	56.0	-22.4
4.795	12.9	20.6	33.5	56.0	-22.5
4.213	12.9	20.6	33.5	56.0	-22.5
3.795	12.9	20.6	33.5	56.0	-22.5
4.116	12.7	20.6	33.3	56.0	-22.7
4.343	12.6	20.6	33.2	56.0	-22.8
4.903	12.5	20.6	33.1	56.0	-22.9
4.459	12.5	20.6	33.1	56.0	-22.9
4.056	12.5	20.6	33.1	56.0	-22.9
4.015	12.5	20.6	33.1	56.0	-22.9
2.071	12.6	20.4	33.0	56.0	-23.0
4.396	12.3	20.6	32.9	56.0	-23.1
3.929	12.3	20.6	32.9	56.0	-23.1
4.634	12.1	20.6	32.7	56.0	-23.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.4	22.9	42.3	50.0	-7.7
0.180	23.6	20.4	44.0	54.5	-10.5
0.154	24.2	20.4	44.6	55.8	-11.2
4.377	14.1	20.6	34.7	46.0	-11.3
0.419	15.8	20.3	36.1	47.5	-11.4
4.769	13.4	20.6	34.0	46.0	-12.0
4.258	13.4	20.6	34.0	46.0	-12.0
3.963	13.4	20.6	34.0	46.0	-12.0
4.552	13.2	20.6	33.8	46.0	-12.2
4.534	13.2	20.6	33.8	46.0	-12.2
4.194	13.2	20.6	33.8	46.0	-12.2
2.646	13.2	20.4	33.6	46.0	-12.4
3.649	13.0	20.6	33.6	46.0	-12.4
4.795	12.9	20.6	33.5	46.0	-12.5
4.213	12.9	20.6	33.5	46.0	-12.5
3.795	12.9	20.6	33.5	46.0	-12.5
4.116	12.7	20.6	33.3	46.0	-12.7
4.343	12.6	20.6	33.2	46.0	-12.8
4.903	12.5	20.6	33.1	46.0	-12.9
4.459	12.5	20.6	33.1	46.0	-12.9
4.056	12.5	20.6	33.1	46.0	-12.9
4.015	12.5	20.6	33.1	46.0	-12.9
2.071	12.6	20.4	33.0	46.0	-13.0
4.396	12.3	20.6	32.9	46.0	-13.1
3.929	12.3	20.6	32.9	46.0	-13.1
4.634	12.1	20.6	32.7	46.0	-13.3

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	19	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

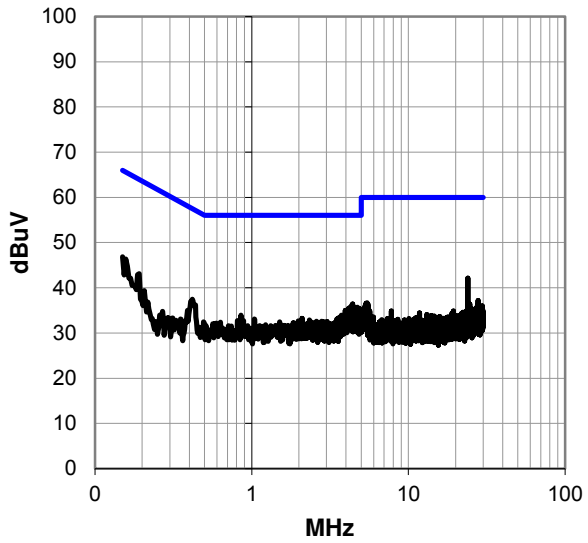
EUT OPERATING MODES

Transmitting High Channel 140, 5700 MHz, 6Mbps, Ant 2

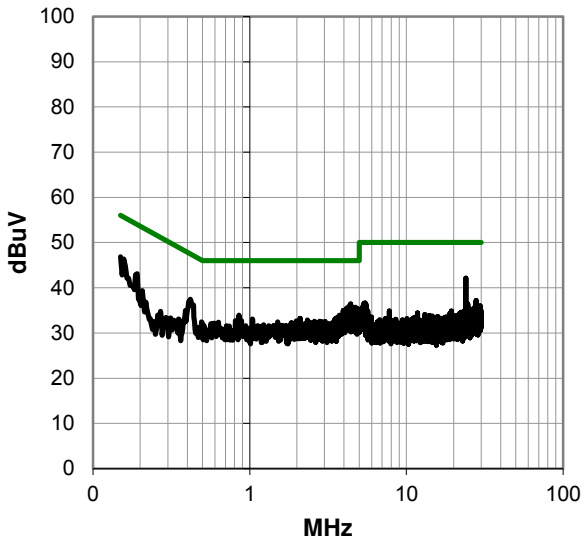
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #19

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.2	22.9	42.1	60.0	-17.9
0.150	26.4	20.5	46.9	66.0	-19.2
0.157	25.9	20.4	46.3	65.6	-19.3
4.403	15.8	20.6	36.4	56.0	-19.6
4.336	15.5	20.6	36.1	56.0	-19.9
0.419	17.2	20.3	37.5	57.5	-20.0
4.720	15.1	20.6	35.7	56.0	-20.3
4.459	15.1	20.6	35.7	56.0	-20.3
4.556	15.0	20.6	35.6	56.0	-20.4
4.168	14.9	20.6	35.5	56.0	-20.5
4.873	14.8	20.6	35.4	56.0	-20.6
4.358	14.8	20.6	35.4	56.0	-20.6
0.191	22.7	20.4	43.1	64.0	-20.9
4.664	14.4	20.6	35.0	56.0	-21.0
4.090	14.4	20.6	35.0	56.0	-21.0
3.952	14.4	20.6	35.0	56.0	-21.0
4.265	14.3	20.6	34.9	56.0	-21.1
4.985	14.2	20.6	34.8	56.0	-21.2
4.034	14.0	20.6	34.6	56.0	-21.4
4.198	13.8	20.6	34.4	56.0	-21.6
3.985	13.8	20.6	34.4	56.0	-21.6
4.571	13.6	20.6	34.2	56.0	-21.8
4.903	13.4	20.6	34.0	56.0	-22.0
3.732	13.4	20.6	34.0	56.0	-22.0
0.855	13.6	20.3	33.9	56.0	-22.1
3.851	13.3	20.6	33.9	56.0	-22.1

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.2	22.9	42.1	50.0	-7.9
0.150	26.4	20.5	46.9	56.0	-9.2
0.157	25.9	20.4	46.3	55.6	-9.3
4.403	15.8	20.6	36.4	46.0	-9.6
4.336	15.5	20.6	36.1	46.0	-9.9
0.419	17.2	20.3	37.5	47.5	-10.0
4.720	15.1	20.6	35.7	46.0	-10.3
4.459	15.1	20.6	35.7	46.0	-10.3
4.556	15.0	20.6	35.6	46.0	-10.4
4.168	14.9	20.6	35.5	46.0	-10.5
4.873	14.8	20.6	35.4	46.0	-10.6
4.358	14.8	20.6	35.4	46.0	-10.6
0.191	22.7	20.4	43.1	54.0	-10.9
4.664	14.4	20.6	35.0	46.0	-11.0
4.090	14.4	20.6	35.0	46.0	-11.0
3.952	14.4	20.6	35.0	46.0	-11.0
4.265	14.3	20.6	34.9	46.0	-11.1
4.985	14.2	20.6	34.8	46.0	-11.2
4.034	14.0	20.6	34.6	46.0	-11.4
4.198	13.8	20.6	34.4	46.0	-11.6
3.985	13.8	20.6	34.4	46.0	-11.6
4.571	13.6	20.6	34.2	46.0	-11.8
4.903	13.4	20.6	34.0	46.0	-12.0
3.732	13.4	20.6	34.0	46.0	-12.0
0.855	13.6	20.3	33.9	46.0	-12.1
3.851	13.3	20.6	33.9	46.0	-12.1

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	20	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

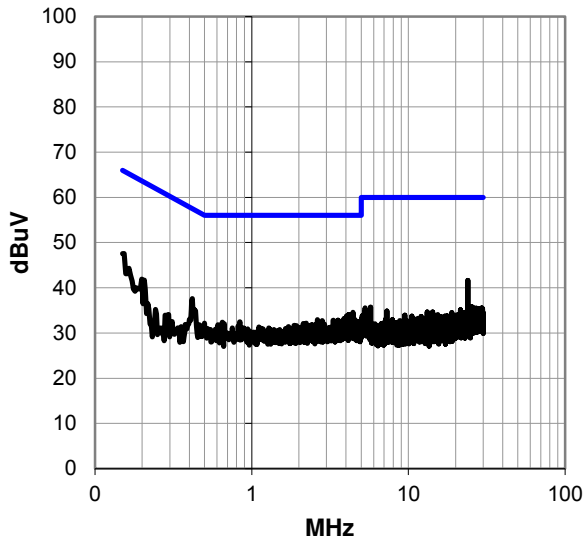
EUT OPERATING MODES

Transmitting High Channel 140, 5700 MHz, 6Mbps, Ant 2

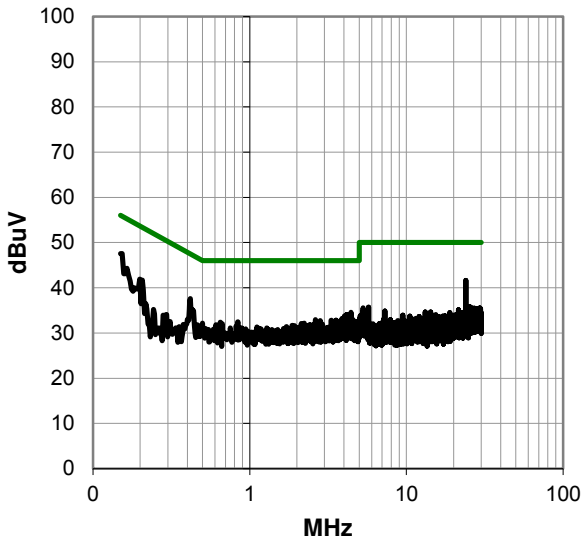
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #20

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.7	22.9	41.6	60.0	-18.4
0.150	27.1	20.5	47.6	66.0	-18.5
0.419	17.3	20.3	37.6	57.5	-19.9
4.437	14.0	20.6	34.6	56.0	-21.4
0.206	21.3	20.4	41.7	63.4	-21.7
4.168	13.5	20.6	34.1	56.0	-21.9
4.205	13.2	20.6	33.8	56.0	-22.2
4.026	13.2	20.6	33.8	56.0	-22.2
4.399	13.0	20.6	33.6	56.0	-22.4
4.347	12.9	20.6	33.5	56.0	-22.5
4.142	12.8	20.6	33.4	56.0	-22.6
4.071	12.8	20.6	33.4	56.0	-22.6
3.940	12.6	20.6	33.2	56.0	-22.8
3.888	12.6	20.6	33.2	56.0	-22.8
4.522	12.5	20.6	33.1	56.0	-22.9
4.246	12.5	20.6	33.1	56.0	-22.9
2.631	12.5	20.4	32.9	56.0	-23.1
4.586	12.3	20.6	32.9	56.0	-23.1
3.993	12.3	20.6	32.9	56.0	-23.1
3.564	12.3	20.5	32.8	56.0	-23.2
3.317	12.3	20.5	32.8	56.0	-23.2
2.825	12.3	20.4	32.7	56.0	-23.3
4.929	12.1	20.6	32.7	56.0	-23.3
4.795	11.9	20.6	32.5	56.0	-23.5
4.287	11.9	20.6	32.5	56.0	-23.5
0.836	12.1	20.3	32.4	56.0	-23.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.7	22.9	41.6	50.0	-8.4
0.150	27.1	20.5	47.6	56.0	-8.5
0.419	17.3	20.3	37.6	47.5	-9.9
4.437	14.0	20.6	34.6	46.0	-11.4
0.206	21.3	20.4	41.7	53.4	-11.7
4.168	13.5	20.6	34.1	46.0	-11.9
4.205	13.2	20.6	33.8	46.0	-12.2
4.026	13.2	20.6	33.8	46.0	-12.2
4.399	13.0	20.6	33.6	46.0	-12.4
4.347	12.9	20.6	33.5	46.0	-12.5
4.142	12.8	20.6	33.4	46.0	-12.6
4.071	12.8	20.6	33.4	46.0	-12.6
3.940	12.6	20.6	33.2	46.0	-12.8
3.888	12.6	20.6	33.2	46.0	-12.8
4.522	12.5	20.6	33.1	46.0	-12.9
4.246	12.5	20.6	33.1	46.0	-12.9
2.631	12.5	20.4	32.9	46.0	-13.1
4.586	12.3	20.6	32.9	46.0	-13.1
3.993	12.3	20.6	32.9	46.0	-13.1
3.564	12.3	20.5	32.8	46.0	-13.2
3.317	12.3	20.5	32.8	46.0	-13.2
2.825	12.3	20.4	32.7	46.0	-13.3
4.929	12.1	20.6	32.7	46.0	-13.3
4.795	11.9	20.6	32.5	46.0	-13.5
4.287	11.9	20.6	32.5	46.0	-13.5
0.836	12.1	20.3	32.4	46.0	-13.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	21	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

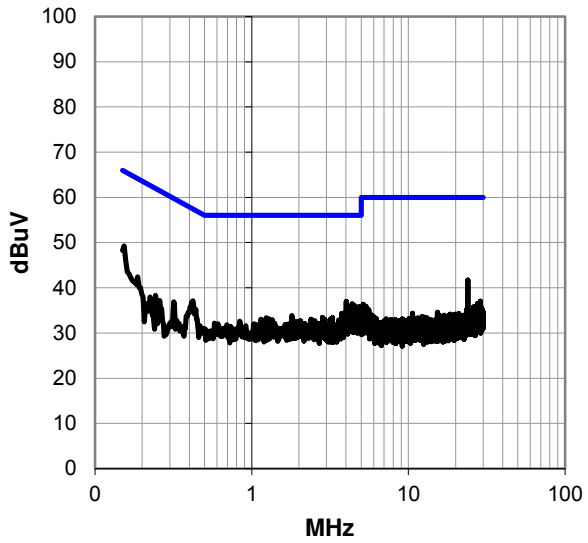
EUT OPERATING MODES

Transmitting Low Channel 149, 5745 MHz, 6Mbps, Ant 2

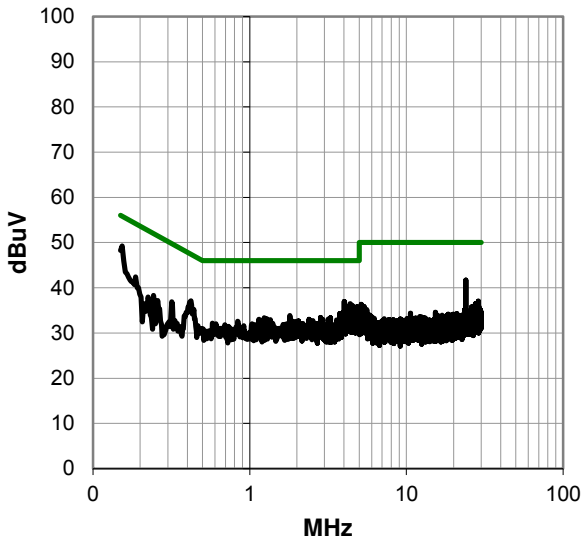
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #21

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.154	28.8	20.4	49.2	65.8	-16.6
24.001	18.8	22.9	41.7	60.0	-18.3
4.019	16.4	20.6	37.0	56.0	-19.0
4.381	15.9	20.6	36.5	56.0	-19.5
4.470	15.5	20.6	36.1	56.0	-19.9
4.590	15.3	20.6	35.9	56.0	-20.1
4.851	15.2	20.6	35.8	56.0	-20.2
4.164	15.2	20.6	35.8	56.0	-20.2
0.422	16.8	20.3	37.1	57.4	-20.3
4.273	14.9	20.6	35.5	56.0	-20.5
4.810	14.4	20.6	35.0	56.0	-21.0
4.328	14.3	20.6	34.9	56.0	-21.1
4.672	14.2	20.6	34.8	56.0	-21.2
4.355	14.1	20.6	34.7	56.0	-21.3
3.952	14.0	20.6	34.6	56.0	-21.4
4.698	13.8	20.6	34.4	56.0	-21.6
3.754	13.7	20.6	34.3	56.0	-21.7
4.138	13.6	20.6	34.2	56.0	-21.8
4.869	13.5	20.6	34.1	56.0	-21.9
4.731	13.3	20.6	33.9	56.0	-22.1
4.996	13.3	20.6	33.9	56.0	-22.1
1.806	13.5	20.4	33.9	56.0	-22.1
4.496	13.0	20.6	33.6	56.0	-22.4
3.926	13.0	20.6	33.6	56.0	-22.4
3.810	12.9	20.6	33.5	56.0	-22.5
2.836	13.0	20.4	33.4	56.0	-22.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.154	28.8	20.4	49.2	55.8	-6.6
24.001	18.8	22.9	41.7	50.0	-8.3
4.019	16.4	20.6	37.0	46.0	-9.0
4.381	15.9	20.6	36.5	46.0	-9.5
4.470	15.5	20.6	36.1	46.0	-9.9
4.590	15.3	20.6	35.9	46.0	-10.1
4.851	15.2	20.6	35.8	46.0	-10.2
4.164	15.2	20.6	35.8	46.0	-10.2
0.422	16.8	20.3	37.1	47.4	-10.3
4.273	14.9	20.6	35.5	46.0	-10.5
4.810	14.4	20.6	35.0	46.0	-11.0
4.328	14.3	20.6	34.9	46.0	-11.1
4.672	14.2	20.6	34.8	46.0	-11.2
4.355	14.1	20.6	34.7	46.0	-11.3
3.952	14.0	20.6	34.6	46.0	-11.4
4.698	13.8	20.6	34.4	46.0	-11.6
3.754	13.7	20.6	34.3	46.0	-11.7
4.138	13.6	20.6	34.2	46.0	-11.8
4.869	13.5	20.6	34.1	46.0	-11.9
4.731	13.3	20.6	33.9	46.0	-12.1
4.996	13.3	20.6	33.9	46.0	-12.1
1.806	13.5	20.4	33.9	46.0	-12.1
4.496	13.0	20.6	33.6	46.0	-12.4
3.926	13.0	20.6	33.6	46.0	-12.4
3.810	12.9	20.6	33.5	46.0	-12.5
2.836	13.0	20.4	33.4	46.0	-12.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	22	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

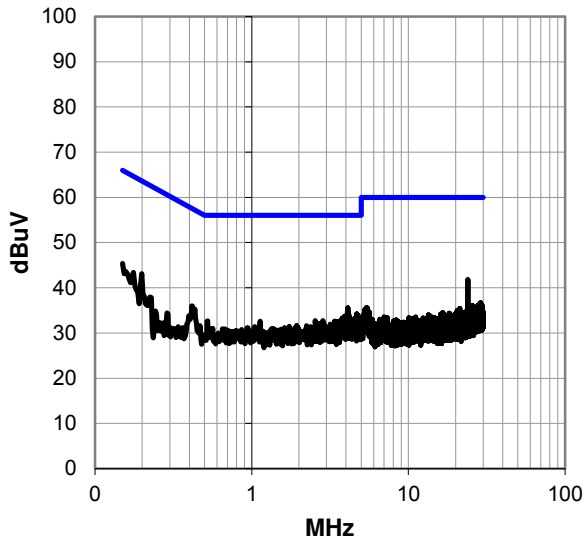
EUT OPERATING MODES

Transmitting Low Channel 149, 5745 MHz, 6Mbps, Ant 2

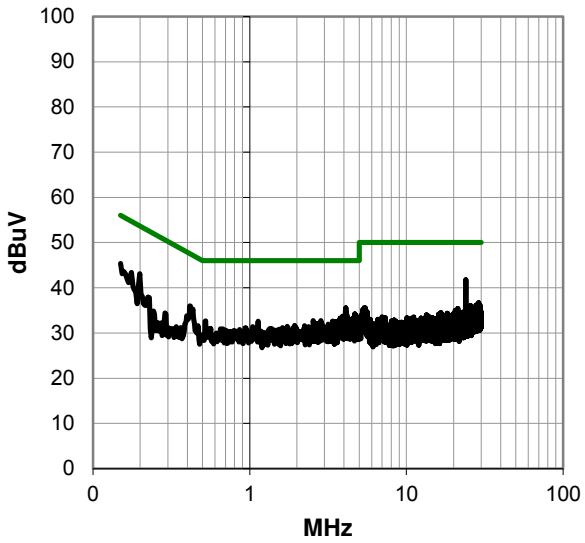
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #22

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.9	22.9	41.8	60.0	-18.2
4.105	15.0	20.6	35.6	56.0	-20.4
0.199	22.7	20.4	43.1	63.7	-20.6
0.150	24.9	20.5	45.4	66.0	-20.7
4.082	14.4	20.6	35.0	56.0	-21.0
0.415	15.7	20.3	36.0	57.5	-21.5
4.149	13.8	20.6	34.4	56.0	-21.6
4.687	13.6	20.6	34.2	56.0	-21.8
4.758	13.4	20.6	34.0	56.0	-22.0
4.179	13.3	20.6	33.9	56.0	-22.1
4.000	13.2	20.6	33.8	56.0	-22.2
3.885	13.0	20.6	33.6	56.0	-22.4
4.049	12.9	20.6	33.5	56.0	-22.5
4.605	12.8	20.6	33.4	56.0	-22.6
4.202	12.8	20.6	33.4	56.0	-22.6
3.773	12.7	20.6	33.3	56.0	-22.7
4.493	12.4	20.6	33.0	56.0	-23.0
4.373	12.4	20.6	33.0	56.0	-23.0
3.963	12.4	20.6	33.0	56.0	-23.0
4.910	12.3	20.6	32.9	56.0	-23.1
4.974	12.2	20.6	32.8	56.0	-23.2
4.429	12.2	20.6	32.8	56.0	-23.2
4.336	12.2	20.6	32.8	56.0	-23.2
2.844	12.3	20.4	32.7	56.0	-23.3
2.549	12.3	20.4	32.7	56.0	-23.3
28.982	12.9	23.8	36.7	60.0	-23.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.9	22.9	41.8	50.0	-8.2
4.105	15.0	20.6	35.6	46.0	-10.4
0.199	22.7	20.4	43.1	53.7	-10.6
0.150	24.9	20.5	45.4	56.0	-10.7
4.082	14.4	20.6	35.0	46.0	-11.0
0.415	15.7	20.3	36.0	47.5	-11.5
4.149	13.8	20.6	34.4	46.0	-11.6
4.687	13.6	20.6	34.2	46.0	-11.8
4.758	13.4	20.6	34.0	46.0	-12.0
4.179	13.3	20.6	33.9	46.0	-12.1
4.000	13.2	20.6	33.8	46.0	-12.2
3.885	13.0	20.6	33.6	46.0	-12.4
4.049	12.9	20.6	33.5	46.0	-12.5
4.605	12.8	20.6	33.4	46.0	-12.6
4.202	12.8	20.6	33.4	46.0	-12.6
3.773	12.7	20.6	33.3	46.0	-12.7
4.493	12.4	20.6	33.0	46.0	-13.0
4.373	12.4	20.6	33.0	46.0	-13.0
3.963	12.4	20.6	33.0	46.0	-13.0
4.910	12.3	20.6	32.9	46.0	-13.1
4.974	12.2	20.6	32.8	46.0	-13.2
4.429	12.2	20.6	32.8	46.0	-13.2
4.336	12.2	20.6	32.8	46.0	-13.2
2.844	12.3	20.4	32.7	46.0	-13.3
2.549	12.3	20.4	32.7	46.0	-13.3
28.982	12.9	23.8	36.7	50.0	-13.3

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	23	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

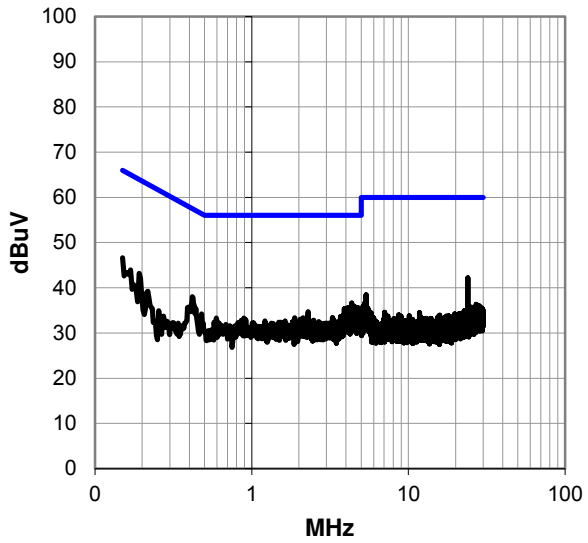
EUT OPERATING MODES

Transmitting Mid Channel 157, 5785 MHz, 6Mbps, Ant 2

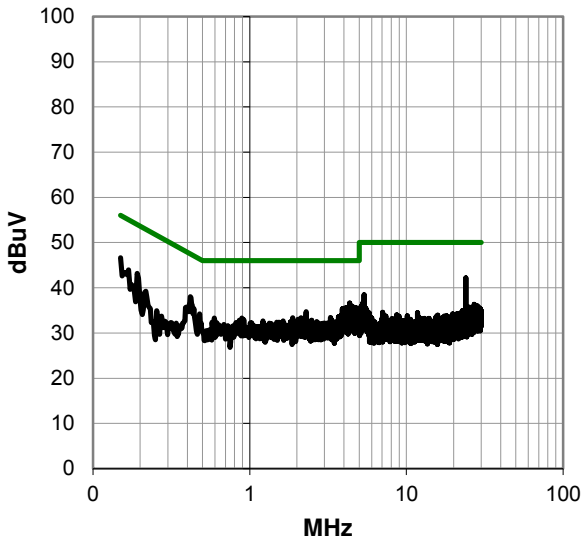
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #23

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.3	22.9	42.2	60.0	-17.8
0.150	26.2	20.5	46.7	66.0	-19.4
4.347	16.0	20.6	36.6	56.0	-19.4
0.419	17.7	20.3	38.0	57.5	-19.5
4.437	15.4	20.6	36.0	56.0	-20.0
4.504	15.3	20.6	35.9	56.0	-20.1
4.582	15.1	20.6	35.7	56.0	-20.3
4.746	15.0	20.6	35.6	56.0	-20.4
4.153	15.0	20.6	35.6	56.0	-20.4
4.037	14.9	20.6	35.5	56.0	-20.5
3.899	14.8	20.6	35.4	56.0	-20.6
4.993	14.7	20.6	35.3	56.0	-20.7
0.191	22.8	20.4	43.2	64.0	-20.8
4.571	14.6	20.6	35.2	56.0	-20.8
4.411	14.6	20.6	35.2	56.0	-20.8
4.619	14.4	20.6	35.0	56.0	-21.0
4.646	14.4	20.6	35.0	56.0	-21.0
4.515	14.4	20.6	35.0	56.0	-21.0
4.217	14.4	20.6	35.0	56.0	-21.0
3.978	14.4	20.6	35.0	56.0	-21.0
4.202	14.3	20.6	34.9	56.0	-21.1
4.269	14.2	20.6	34.8	56.0	-21.2
2.288	14.3	20.4	34.7	56.0	-21.3
4.843	14.1	20.6	34.7	56.0	-21.3
4.470	14.1	20.6	34.7	56.0	-21.3
4.881	13.9	20.6	34.5	56.0	-21.5

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.3	22.9	42.2	50.0	-7.8
0.150	26.2	20.5	46.7	56.0	-9.3
4.347	16.0	20.6	36.6	46.0	-9.4
0.419	17.7	20.3	38.0	47.5	-9.5
4.437	15.4	20.6	36.0	46.0	-10.0
4.504	15.3	20.6	35.9	46.0	-10.1
4.582	15.1	20.6	35.7	46.0	-10.3
4.746	15.0	20.6	35.6	46.0	-10.4
4.153	15.0	20.6	35.6	46.0	-10.4
4.037	14.9	20.6	35.5	46.0	-10.5
3.899	14.8	20.6	35.4	46.0	-10.6
4.993	14.7	20.6	35.3	46.0	-10.7
0.191	22.8	20.4	43.2	54.0	-10.8
4.571	14.6	20.6	35.2	46.0	-10.8
4.411	14.6	20.6	35.2	46.0	-10.8
4.619	14.4	20.6	35.0	46.0	-11.0
4.646	14.4	20.6	35.0	46.0	-11.0
4.515	14.4	20.6	35.0	46.0	-11.0
4.217	14.4	20.6	35.0	46.0	-11.0
3.978	14.4	20.6	35.0	46.0	-11.0
4.202	14.3	20.6	34.9	46.0	-11.1
4.269	14.2	20.6	34.8	46.0	-11.2
2.288	14.3	20.4	34.7	46.0	-11.3
4.843	14.1	20.6	34.7	46.0	-11.3
4.470	14.1	20.6	34.7	46.0	-11.3
4.881	13.9	20.6	34.5	46.0	-11.5

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wifi-Bluetooth Module	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	24	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

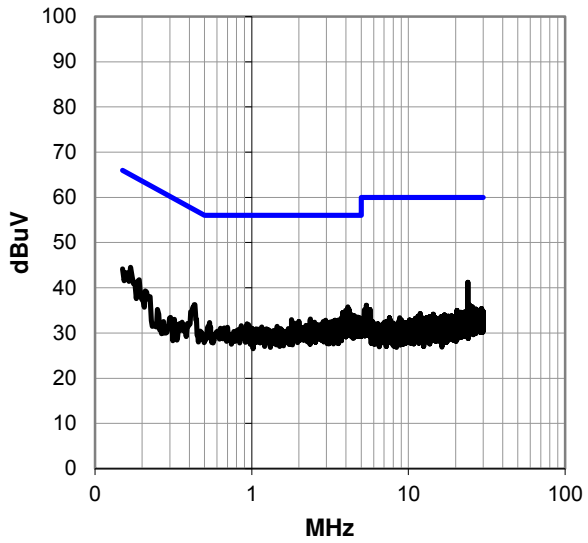
EUT OPERATING MODES

Transmitting Mid Channel 157, 5785 MHz, 6Mbps, Ant 2

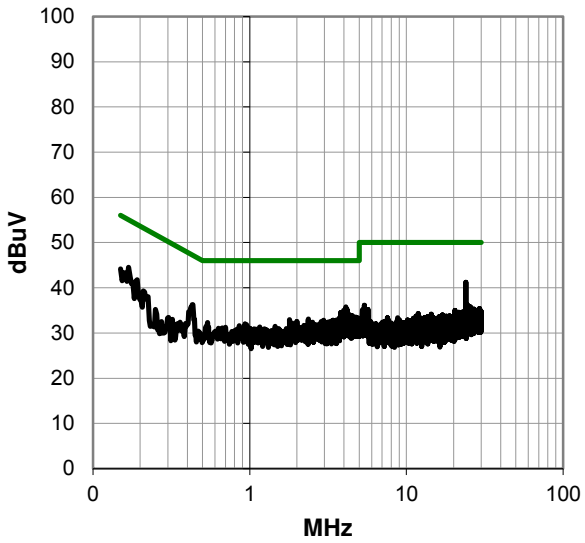
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #24

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.3	22.9	41.2	60.0	-18.8
4.101	15.2	20.6	35.8	56.0	-20.2
0.169	24.1	20.4	44.5	65.0	-20.5
4.194	14.6	20.6	35.2	56.0	-20.8
0.430	16.0	20.3	36.3	57.3	-21.0
3.967	14.4	20.6	35.0	56.0	-21.0
4.056	14.2	20.6	34.8	56.0	-21.2
3.810	13.9	20.6	34.5	56.0	-21.5
3.933	13.8	20.6	34.4	56.0	-21.6
4.228	13.6	20.6	34.2	56.0	-21.8
4.041	13.6	20.6	34.2	56.0	-21.8
4.336	13.5	20.6	34.1	56.0	-21.9
0.191	21.4	20.4	41.8	64.0	-22.2
4.508	13.2	20.6	33.8	56.0	-22.2
4.373	13.2	20.6	33.8	56.0	-22.2
4.452	13.1	20.6	33.7	56.0	-22.3
4.276	13.0	20.6	33.6	56.0	-22.4
4.743	12.9	20.6	33.5	56.0	-22.5
4.810	12.8	20.6	33.4	56.0	-22.6
4.899	12.8	20.6	33.4	56.0	-22.6
4.396	12.8	20.6	33.4	56.0	-22.6
4.317	12.8	20.6	33.4	56.0	-22.6
4.004	12.8	20.6	33.4	56.0	-22.6
3.892	12.8	20.6	33.4	56.0	-22.6
3.732	12.8	20.6	33.4	56.0	-22.6
2.366	12.7	20.4	33.1	56.0	-22.9

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.3	22.9	41.2	50.0	-8.8
4.101	15.2	20.6	35.8	46.0	-10.2
0.169	24.1	20.4	44.5	55.0	-10.5
4.194	14.6	20.6	35.2	46.0	-10.8
0.430	16.0	20.3	36.3	47.3	-11.0
3.967	14.4	20.6	35.0	46.0	-11.0
4.056	14.2	20.6	34.8	46.0	-11.2
3.810	13.9	20.6	34.5	46.0	-11.5
3.933	13.8	20.6	34.4	46.0	-11.6
4.228	13.6	20.6	34.2	46.0	-11.8
4.041	13.6	20.6	34.2	46.0	-11.8
4.336	13.5	20.6	34.1	46.0	-11.9
0.191	21.4	20.4	41.8	54.0	-12.2
4.508	13.2	20.6	33.8	46.0	-12.2
4.373	13.2	20.6	33.8	46.0	-12.2
4.452	13.1	20.6	33.7	46.0	-12.3
4.276	13.0	20.6	33.6	46.0	-12.4
4.743	12.9	20.6	33.5	46.0	-12.5
4.810	12.8	20.6	33.4	46.0	-12.6
4.899	12.8	20.6	33.4	46.0	-12.6
4.396	12.8	20.6	33.4	46.0	-12.6
4.317	12.8	20.6	33.4	46.0	-12.6
4.004	12.8	20.6	33.4	46.0	-12.6
3.892	12.8	20.6	33.4	46.0	-12.6
3.732	12.8	20.6	33.4	46.0	-12.6
2.366	12.7	20.4	33.1	46.0	-12.9

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	25	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

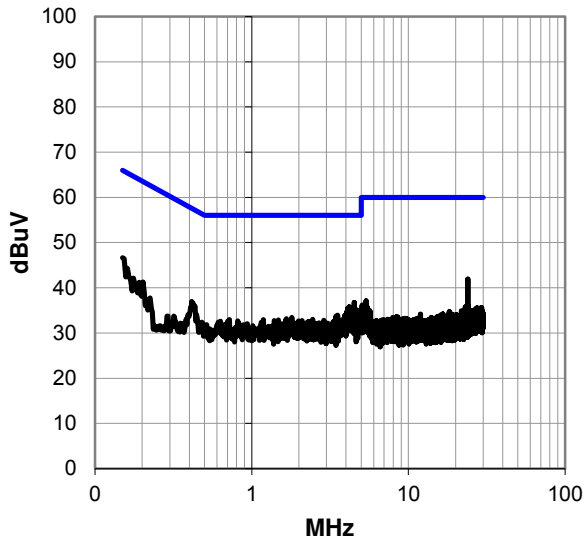
EUT OPERATING MODES

Transmitting High Channel 165, 5825 MHz, 6Mbps, Ant 2

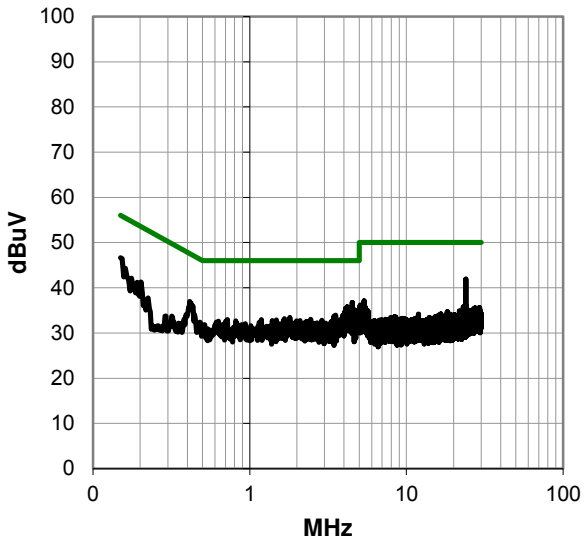
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #25

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.0	22.9	41.9	60.0	-18.1
4.519	16.2	20.6	36.8	56.0	-19.2
0.150	26.2	20.5	46.7	66.0	-19.4
4.183	15.2	20.6	35.8	56.0	-20.2
4.105	14.9	20.6	35.5	56.0	-20.5
0.415	16.7	20.3	37.0	57.5	-20.5
4.306	14.7	20.6	35.3	56.0	-20.7
4.231	14.7	20.6	35.3	56.0	-20.7
4.687	14.5	20.6	35.1	56.0	-20.9
4.250	14.5	20.6	35.1	56.0	-20.9
4.146	14.3	20.6	34.9	56.0	-21.1
4.030	14.0	20.6	34.6	56.0	-21.4
4.769	13.8	20.6	34.4	56.0	-21.6
4.918	13.8	20.6	34.4	56.0	-21.6
4.869	13.6	20.6	34.2	56.0	-21.8
4.433	13.6	20.6	34.2	56.0	-21.8
3.940	13.4	20.6	34.0	56.0	-22.0
3.541	13.4	20.5	33.9	56.0	-22.1
0.202	20.9	20.4	41.3	63.5	-22.2
3.444	13.2	20.5	33.7	56.0	-22.3
1.803	13.1	20.4	33.5	56.0	-22.5
3.511	12.9	20.5	33.4	56.0	-22.6
1.665	12.8	20.4	33.2	56.0	-22.8
5.369	16.5	20.6	37.1	60.0	-22.9
2.452	12.6	20.4	33.0	56.0	-23.0
1.187	12.6	20.3	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.0	22.9	41.9	50.0	-8.1
4.519	16.2	20.6	36.8	46.0	-9.2
0.150	26.2	20.5	46.7	56.0	-9.3
4.183	15.2	20.6	35.8	46.0	-10.2
4.105	14.9	20.6	35.5	46.0	-10.5
0.415	16.7	20.3	37.0	47.5	-10.5
4.306	14.7	20.6	35.3	46.0	-10.7
4.231	14.7	20.6	35.3	46.0	-10.7
4.687	14.5	20.6	35.1	46.0	-10.9
4.250	14.5	20.6	35.1	46.0	-10.9
4.146	14.3	20.6	34.9	46.0	-11.1
4.030	14.0	20.6	34.6	46.0	-11.4
4.769	13.8	20.6	34.4	46.0	-11.6
4.918	13.8	20.6	34.4	46.0	-11.6
4.869	13.6	20.6	34.2	46.0	-11.8
4.433	13.6	20.6	34.2	46.0	-11.8
3.940	13.4	20.6	34.0	46.0	-12.0
3.541	13.4	20.5	33.9	46.0	-12.1
0.202	20.9	20.4	41.3	53.5	-12.2
3.444	13.2	20.5	33.7	46.0	-12.3
1.803	13.1	20.4	33.5	46.0	-12.5
3.511	12.9	20.5	33.4	46.0	-12.6
1.665	12.8	20.4	33.2	46.0	-12.8
5.369	16.5	20.6	37.1	50.0	-12.9
2.452	12.6	20.4	33.0	46.0	-13.0
1.187	12.6	20.3	32.9	46.0	-13.1

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

EUT:	Precor Wi-Fi / Bluetooth Module Model 303346	Work Order:	PRCR0230
Serial Number:	None	Date:	10/06/2015
Customer:	Precor, Inc.	Temperature:	23°C
Attendees:	Rich Whitbeck	Relative Humidity:	46%
Customer Project:	None	Bar. Pressure:	1017 mb
Tested By:	Richard Mellroth	Job Site:	NC05
Power:	110VAC/60Hz	Configuration:	PRCR0230-1

TEST SPECIFICATIONS

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

TEST PARAMETERS

Run #:	26	Line:	Neutral	Add. Ext. Attenuation (dB):	0

COMMENTS

Power settings at Maximum.

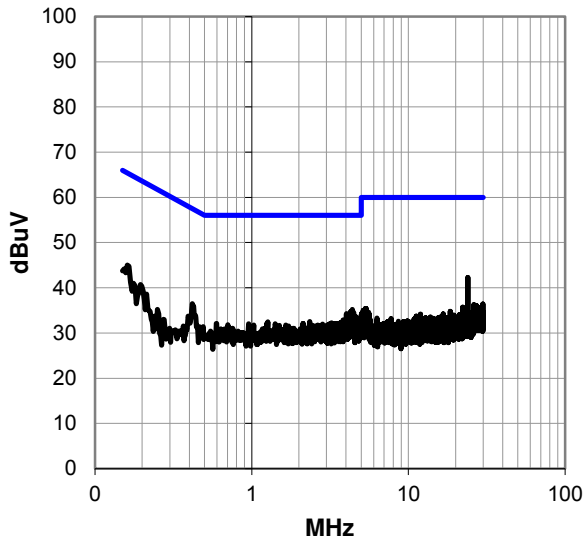
EUT OPERATING MODES

Transmitting High Channel 165, 5825 MHz, 6Mbps, Ant 2

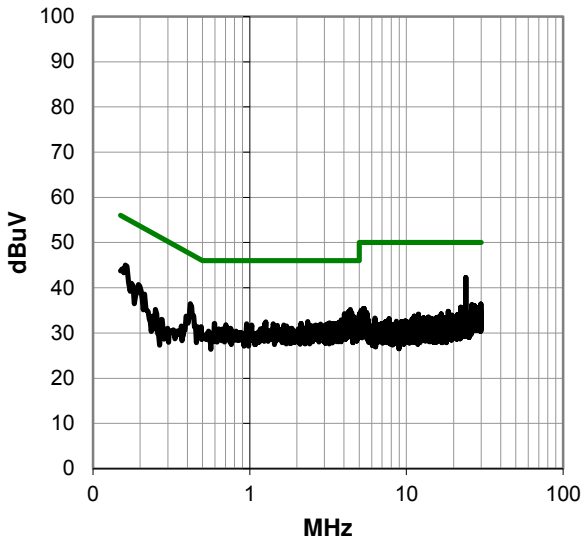
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2015.09.03
PSA-ESCI 2015.07.01, EmiR5 2015.08.28

RESULTS - Run #26

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.4	22.9	42.3	60.0	-17.7
0.161	24.6	20.4	45.0	65.4	-20.4
4.384	14.6	20.6	35.2	56.0	-20.8
0.419	16.2	20.3	36.5	57.5	-21.0
4.287	14.1	20.6	34.7	56.0	-21.3
4.481	14.0	20.6	34.6	56.0	-21.4
4.026	13.7	20.6	34.3	56.0	-21.7
4.134	13.4	20.6	34.0	56.0	-22.0
4.090	13.2	20.6	33.8	56.0	-22.2
4.067	13.2	20.6	33.8	56.0	-22.2
4.616	13.0	20.6	33.6	56.0	-22.4
4.440	12.9	20.6	33.5	56.0	-22.5
4.168	12.5	20.6	33.1	56.0	-22.9
4.914	12.4	20.6	33.0	56.0	-23.0
4.590	12.3	20.6	32.9	56.0	-23.1
3.836	12.3	20.6	32.9	56.0	-23.1
0.195	20.3	20.4	40.7	63.8	-23.1
2.344	12.1	20.4	32.5	56.0	-23.5
4.519	11.9	20.6	32.5	56.0	-23.5
1.266	12.1	20.3	32.4	56.0	-23.6
29.873	12.4	24.0	36.4	60.0	-23.6
26.191	13.0	23.3	36.3	60.0	-23.7
3.228	11.8	20.5	32.3	56.0	-23.7
3.705	11.7	20.6	32.3	56.0	-23.7
3.664	11.7	20.6	32.3	56.0	-23.7
3.511	11.6	20.5	32.1	56.0	-23.9

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	19.4	22.9	42.3	50.0	-7.7
0.161	24.6	20.4	45.0	55.4	-10.4
4.384	14.6	20.6	35.2	46.0	-10.8
0.419	16.2	20.3	36.5	47.5	-11.0
4.287	14.1	20.6	34.7	46.0	-11.3
4.481	14.0	20.6	34.6	46.0	-11.4
4.026	13.7	20.6	34.3	46.0	-11.7
4.134	13.4	20.6	34.0	46.0	-12.0
4.090	13.2	20.6	33.8	46.0	-12.2
4.067	13.2	20.6	33.8	46.0	-12.2
4.616	13.0	20.6	33.6	46.0	-12.4
4.440	12.9	20.6	33.5	46.0	-12.5
4.168	12.5	20.6	33.1	46.0	-12.9
4.914	12.4	20.6	33.0	46.0	-13.0
4.590	12.3	20.6	32.9	46.0	-13.1
3.836	12.3	20.6	32.9	46.0	-13.1
0.195	20.3	20.4	40.7	53.8	-13.1
2.344	12.1	20.4	32.5	46.0	-13.5
4.519	11.9	20.6	32.5	46.0	-13.5
1.266	12.1	20.3	32.4	46.0	-13.6
29.873	12.4	24.0	36.4	50.0	-13.6
26.191	13.0	23.3	36.3	50.0	-13.7
3.228	11.8	20.5	32.3	46.0	-13.7
3.705	11.7	20.6	32.3	46.0	-13.7
3.664	11.7	20.6	32.3	46.0	-13.7
3.511	11.6	20.5	32.1	46.0	-13.9

CONCLUSION

Pass

Tested By