

# NORTHWEST EMC

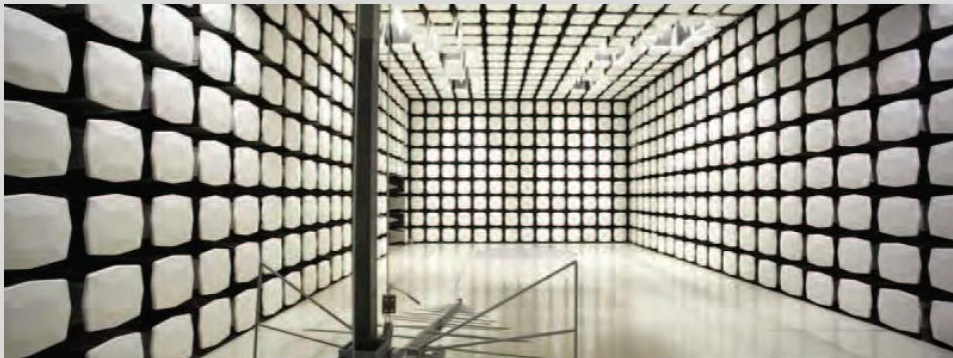
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NVLAP<sup>®</sup>  
TESTING

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*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 shall not be reproduced, except in full without written approval of the laboratory.*

# CERTIFICATE OF TEST

Last Date of Test: December 20, 2016  
Select Comfort Corporation  
Model: 360SIQYYZ

## Radio Equipment Testing

### Standards

Specification	Method
FCC 15.207:2016	ANSI C63.10:2013, KDB 558074
FCC 15.247:2016	

### Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
11.6	Duty Cycle	Yes	N/A	Characterization of radio operation.
11.8.2	Occupied Bandwidth	Yes	Pass	
11.9.1.1	Output Power	Yes	Pass	
11.10.2	Power Spectral Density	Yes	Pass	
11.11	Band Edge Compliance	Yes	Pass	
11.11	Spurious Conducted Emissions	Yes	Pass	
11.12.1, 11.13.2, 6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	

### Deviations From Test Standards

None

### Approved By:



Kyle Holgate, 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

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## United States

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**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

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## Canada

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**ISED** - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with ISED.

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## European Union

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**European Commission** – Validated by the European Commission as a Notified Body under the R&TTE Directive.

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## Australia/New Zealand

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

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## Korea

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

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## Japan

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

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## Taiwan

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**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.

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## Singapore

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

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## Israel

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

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## Hong Kong

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

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## Vietnam

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

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## 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

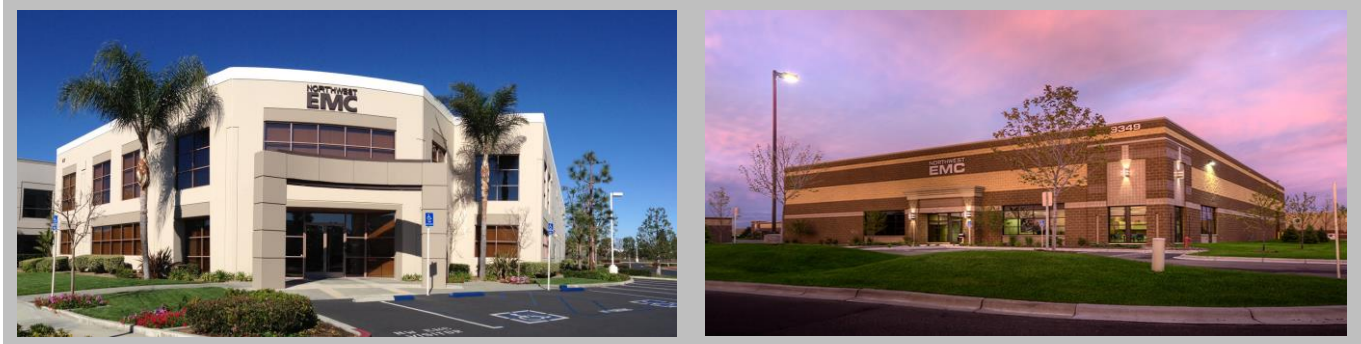
When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement 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 QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found included as part of the applicable test description page. 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.

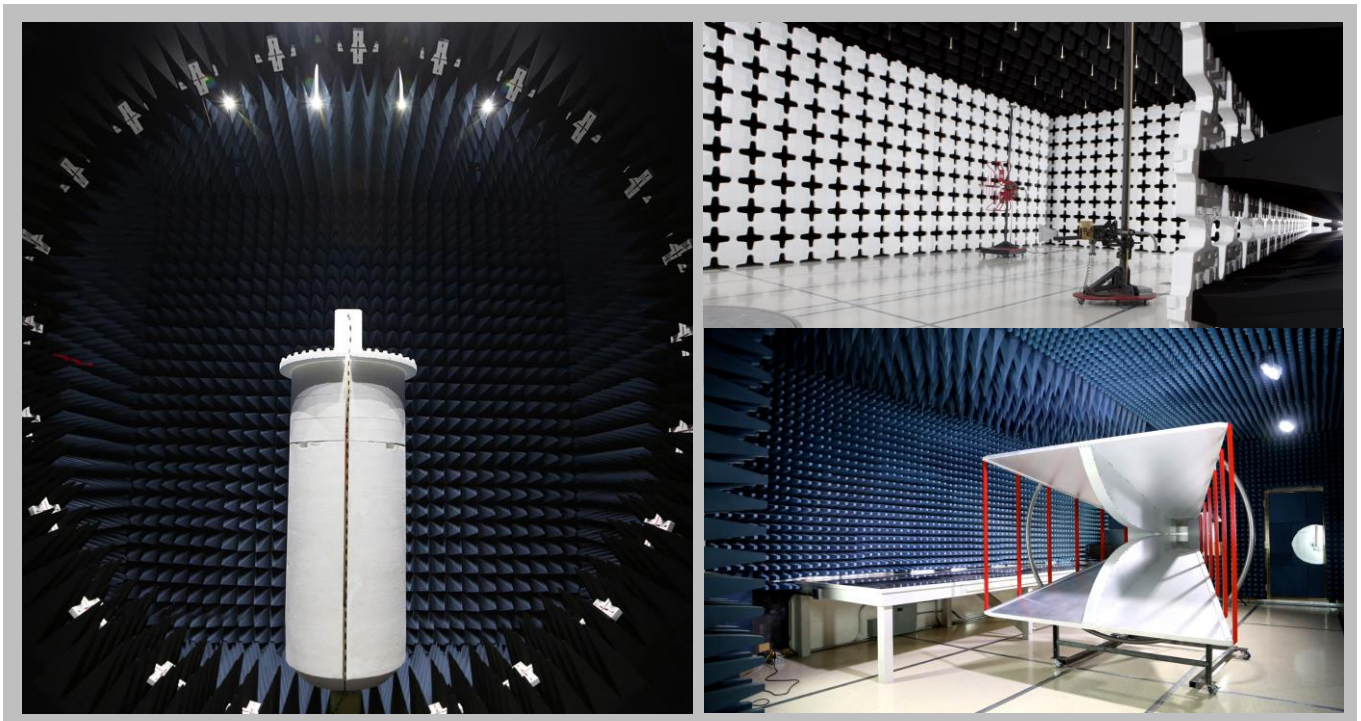
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

<b>Test</b>	<b>+ MU</b>	<b>- MU</b>
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

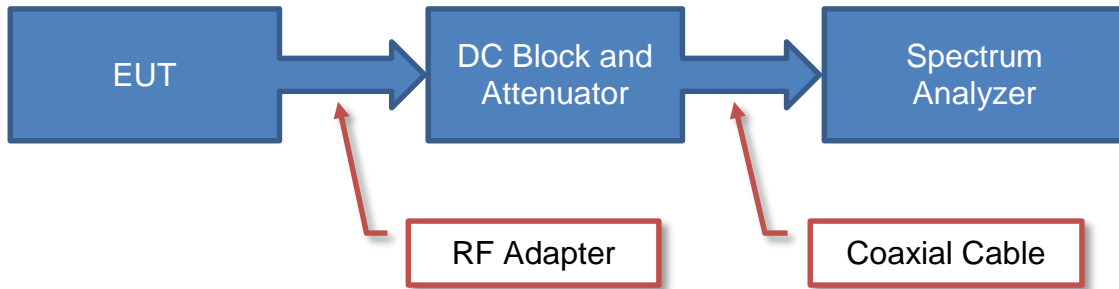


<b>California</b> Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	<b>Minnesota</b> Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	<b>New York</b> Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	<b>Oregon</b> Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	<b>Texas</b> Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	<b>Washington</b> Labs NC01-05 19201 120 <sup>th</sup> Ave NE Bothell, WA 98011 (425)984-6600
<b>NVLAP</b>					
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
<b>Innovation, Science and Economic Development Canada</b>					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-2	2834G-1	2834F-1
<b>BSMI</b>					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
<b>VCCI</b>					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
<b>Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA</b>					
US0158	US0175	N/A	US0017	US0191	US0157

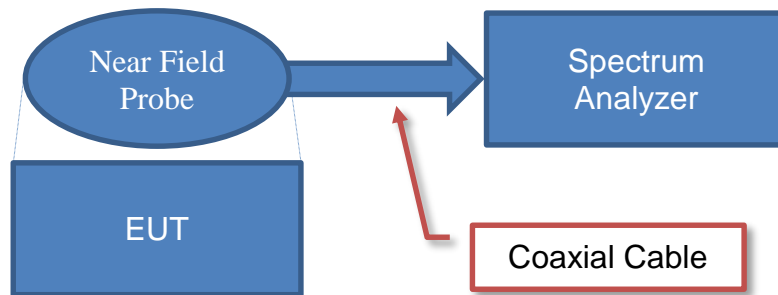


# Test Setup Block Diagrams

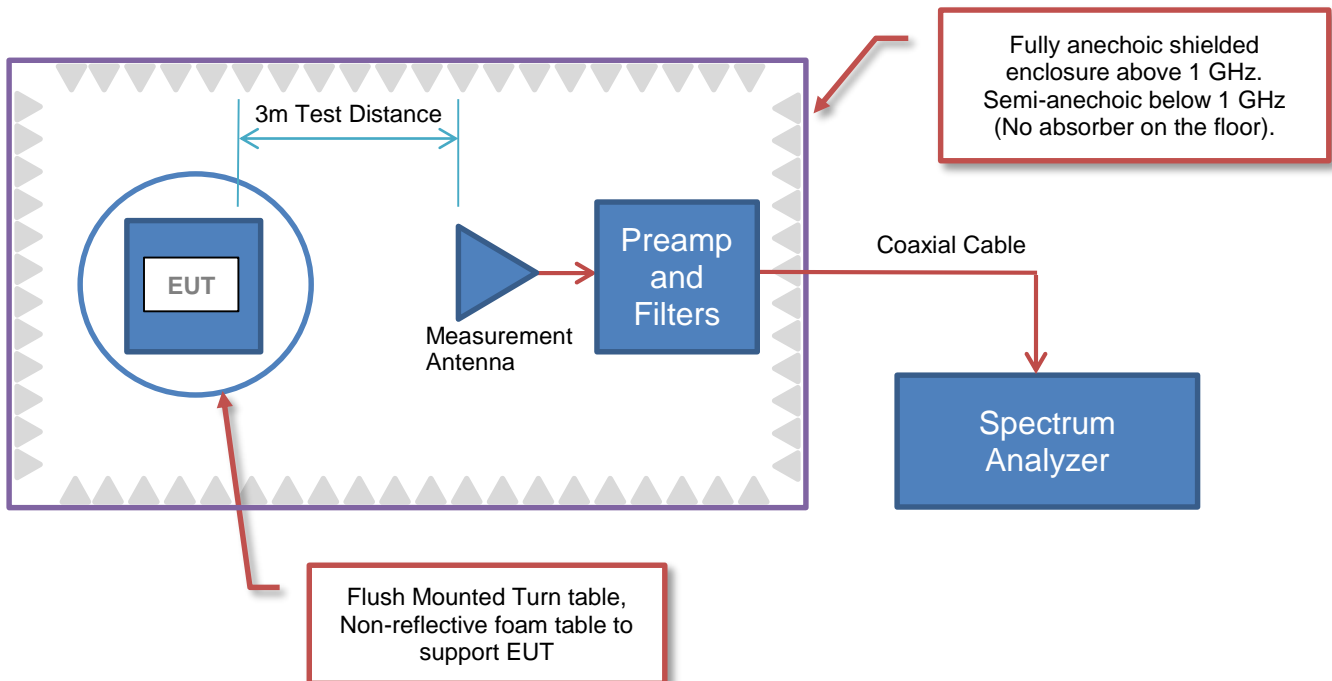
## Antenna Port Conducted Measurements



## Near Field Test Fixture Measurements



## Spurious Radiated Emissions



# PRODUCT DESCRIPTION

## Client and Equipment Under Test (EUT) Information

<b>Company Name:</b>	Select Comfort Corporation
<b>Address:</b>	6105 Trenton Lane North
<b>City, State, Zip:</b>	Plymouth, MN 55442
<b>Test Requested By:</b>	Nick Reynolds
<b>Model:</b>	360SIQYYZ
<b>First Date of Test:</b>	December 19, 2016
<b>Last Date of Test:</b>	December 20, 2016
<b>Receipt Date of Samples:</b>	December 19, 2016
<b>Equipment Design Stage:</b>	Production
<b>Equipment Condition:</b>	No Damage
<b>Purchase Authorization:</b>	Verified

## Information Provided by the Party Requesting the Test

### Functional Description of the EUT:

Bed pump with a Zigbee radio, Bluetooth Low Energy radio, and Pre-certified Wi-Fi radio module installed. The pump can be a stand-alone unit or mounted in the base unit.

### Testing Objective:

To demonstrate compliance of the 2.4 GHz DTS (Zigbee) radio to FCC 15.247 requirements.



# CONFIGURATIONS

## Configuration SECF0064- 1

Software/Firmware Running during test	
Description	Version
TI IDE	Unknown

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
360 Connect Pump (Pulse Transformer)	Select Comfort Corporation	EVT3.1 830-000021	64DBA00000C0

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Integrated Base	Select Comfort Corporation	Unknown	Unknown

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Cable	No	2.5m	No	360 Connect Pump	AC Mains

## Configuration SECF0064- 2

Software/Firmware Running during test	
Description	Version
TI IDE	Unknown

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
360 Connect Pump	Select Comfort Corporation	EVT3.1 830-000021	64DBA0000136

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Integrated Base	Select Comfort Corporation	Unknown	Unknown

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Cable	No	2.5m	No	360 Connect Pump	AC Mains

# MODIFICATIONS

## Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	12/19/2016	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	12/20/2016	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.
3	12/20/2016	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	12/20/2016	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	12/20/2016	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	12/20/2016	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	12/20/2016	Spurious Conducted 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

## 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. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. 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	EVG, HHD, RKA	EVGA	5/10/2016	5/10/2017
Receiver	Rohde & Schwarz	ESCI	ARH	3/21/2016	3/21/2017
LISN	Solar Electronics	9252-50-R-24-BNC	LIP	10/4/2016	10/4/2018

## MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.4 dB	-2.4 dB

## CONFIGURATIONS INVESTIGATED

SECF0064-2

## MODES INVESTIGATED

Transmit middle channel 2440 MHz.

# POWERLINE CONDUCTED EMISSIONS

EUT:	360SIQYYZ	Work Order:	SECF0064
Serial Number:	64DBA0000136	Date:	12/20/2016
Customer:	Select Comfort Corporation	Temperature:	22.1°C
Attendees:	Jason Ortberg, Rob Munn	Relative Humidity:	35.5%
Customer Project:	None	Bar. Pressure:	1033 mb
Tested By:	Jared Ison	Job Site:	EV07
Power:	110VAC/60Hz	Configuration:	SECF0064-2

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2016	ANSI C63.10:2013

## TEST PARAMETERS

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

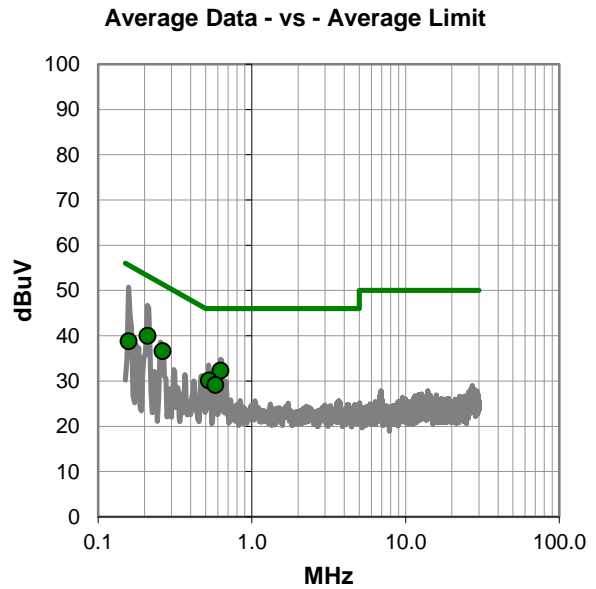
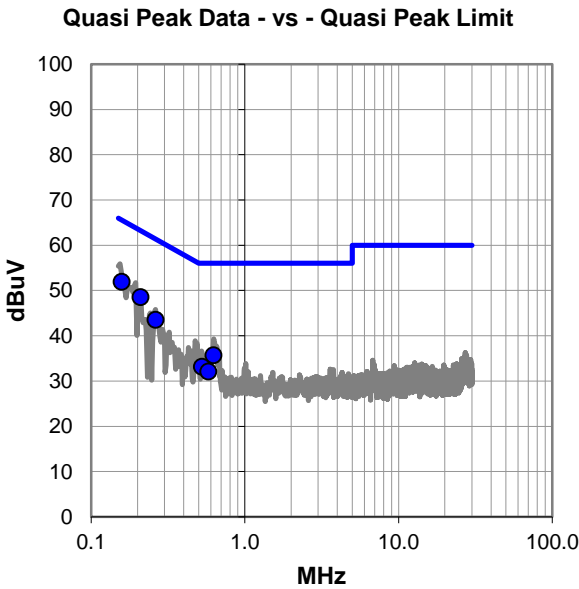
None.

## EUT OPERATING MODES

Transmit middle channel 2440 MHz.

## DEVIATIONS FROM TEST STANDARD

None.



# POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #7

Quasi Peak Data - vs - Quasi Peak Limit

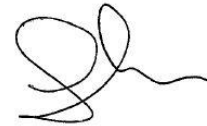
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.158	32.2	19.7	51.9	65.5	-13.6
0.210	28.8	19.7	48.5	63.2	-14.7
0.263	23.8	19.7	43.5	61.3	-17.8
0.627	16.1	19.6	35.7	56.0	-20.3
0.527	13.5	19.6	33.1	56.0	-22.9
0.580	12.5	19.6	32.1	56.0	-23.9

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.210	20.3	19.7	40.0	53.2	-13.2
0.627	12.7	19.6	32.3	46.0	-13.7
0.263	16.9	19.7	36.6	51.3	-14.7
0.527	10.5	19.6	30.1	46.0	-15.9
0.158	19.1	19.7	38.8	55.5	-16.7
0.580	9.5	19.6	29.1	46.0	-16.9

## CONCLUSION

Pass



Tested By

# POWERLINE CONDUCTED EMISSIONS

EUT:	360SIQYYZ	Work Order:	SECF0064
Serial Number:	64DBA0000136	Date:	12/20/2016
Customer:	Select Comfort Corporation	Temperature:	22.1°C
Attendees:	Jason Ortberg, Rob Munn	Relative Humidity:	35.5%
Customer Project:	None	Bar. Pressure:	1033 mb
Tested By:	Jared Ison	Job Site:	EV07
Power:	110VAC/60Hz	Configuration:	SECF0064-2

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2016	ANSI C63.10:2013

## TEST PARAMETERS

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

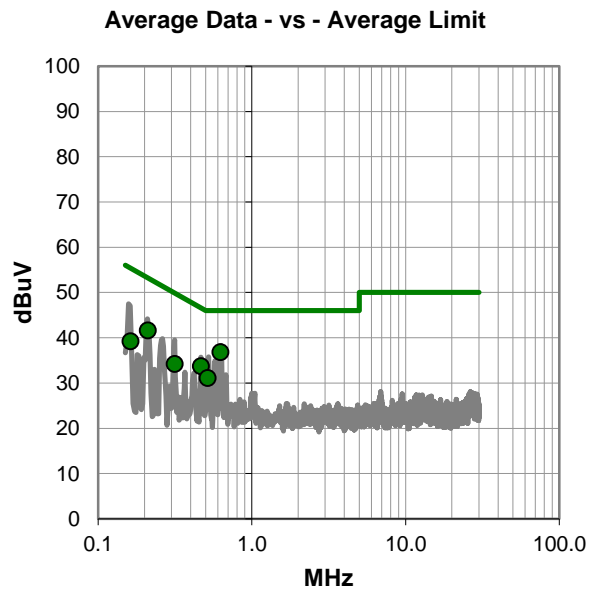
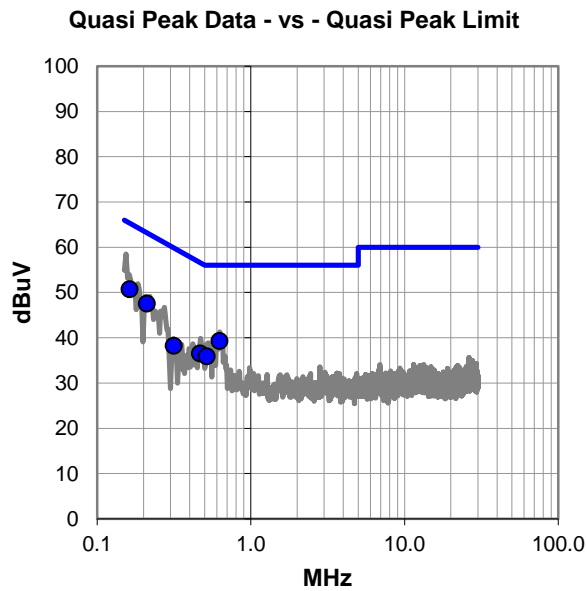
None.

## EUT OPERATING MODES

Transmit middle channel 2440 MHz.

## DEVIATIONS FROM TEST STANDARD

None.



# POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #8

Quasi Peak Data - vs - Quasi Peak Limit

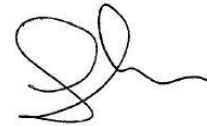
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.163	31.0	19.7	50.7	65.3	-14.6
0.210	27.8	19.7	47.5	63.2	-15.7
0.626	19.7	19.6	39.3	56.0	-16.7
0.468	16.9	19.6	36.5	56.5	-20.0
0.516	16.3	19.6	35.9	56.0	-20.1
0.315	18.6	19.6	38.2	59.8	-21.6

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.626	17.2	19.6	36.8	46.0	-9.2
0.210	21.9	19.7	41.6	53.2	-11.6
0.468	14.1	19.6	33.7	46.5	-12.8
0.516	11.5	19.6	31.1	46.0	-14.9
0.315	14.6	19.6	34.2	49.8	-15.6
0.163	19.5	19.7	39.2	55.3	-16.1

## CONCLUSION

Pass



Tested By

# DUTY CYCLE

## TEST DESCRIPTION

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The Duty Cycle (x) were 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.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

The EUT operates at 100% 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.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	10/27/2015	10/27/2018
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFP	8/10/2016	8/10/2017
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	6/7/2016	6/7/2017
Attenuator	S.M. Electronics	SA26B-20	AWT	NCR	NCR
Block - DC	Fairview Microwave	SD3379	AMQ	6/8/2016	6/8/2017

## TEST DESCRIPTION


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

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.0% occupied bandwidth was also measured at the same time which can be needed during Output Power depending on the applicable method.

# OCCUPIED BANDWIDTH

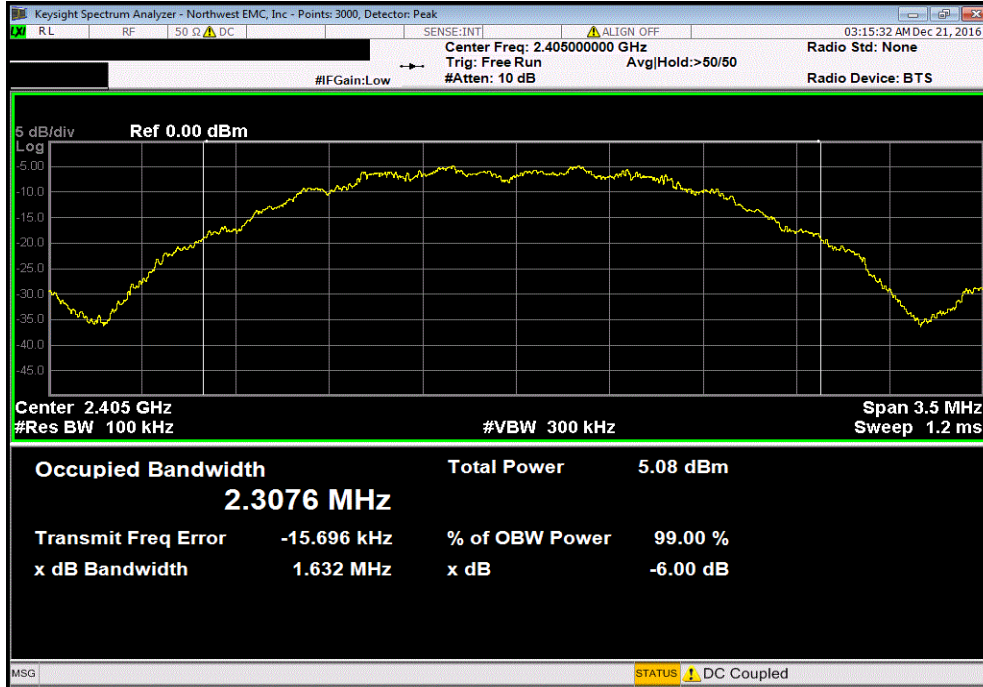


XMit 2016.09.29  
NweTx 2016.09.14.2

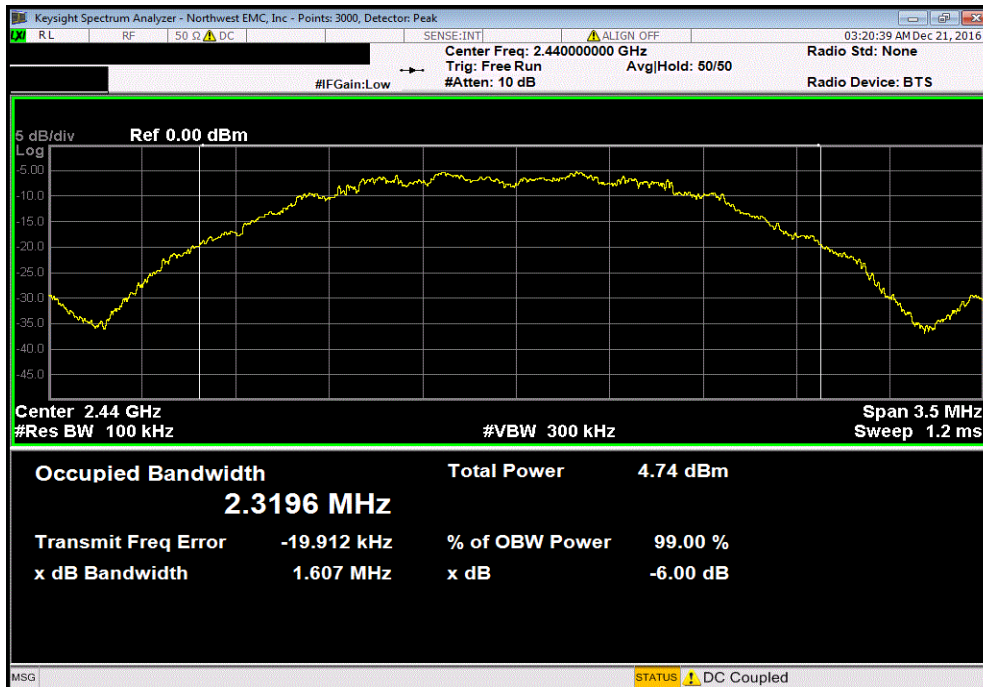
EUT: 360SIQMN		Work Order: SECF0064	
Serial Number: 64DBA0000136		Date: 12/20/16	
Customer: Select Comfort Corporation		Temperature: 23.2 °C	
Attendees: Jason Ortberg, Rob Munn		Humidity: 34.2% RH	
Project: None		Barometric Pres.: 1031 mbar	
Tested by: Jared Ison	Power: 110VAC/60Hz	Job Site: EV06	
TEST SPECIFICATIONS			
FCC 15.247:2016		Test Method	
		ANSI C63.10:2013	
COMMENTS			
None.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Value	Limit (>)
2400 MHz - 2483.5 MHz Band			
OQPSK			
Low Ch, 2405 MHz		1.632 MHz	500 kHz Pass
Mid Ch, 2440 MHz		1.607 MHz	500 kHz Pass
High Ch, 2480 MHz		1.626 MHz	500 kHz Pass

# OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz						
				Value	Limit	Result
					(>)	
				1.632 MHz	500 kHz	Pass

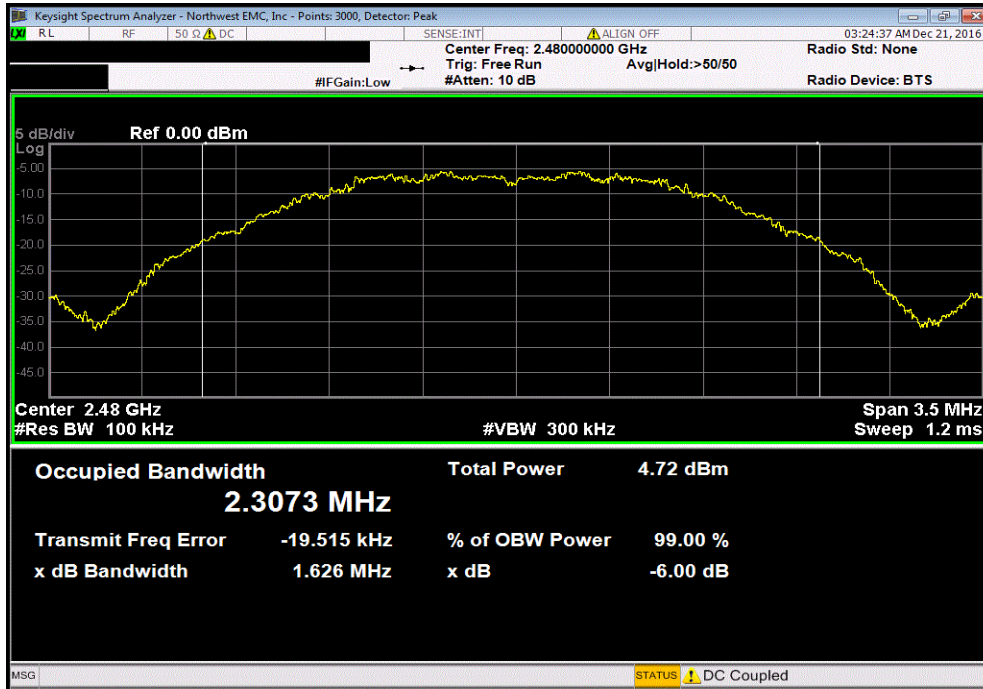


2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch, 2440 MHz						
				Value	Limit	Result
					(>)	
				1.607 MHz	500 kHz	Pass



# OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz		
Value	Limit	Result
1.626 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.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	10/27/2015	10/27/2018
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFP	8/10/2016	8/10/2017
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	6/7/2016	6/7/2017
Attenuator	S.M. Electronics	SA26B-20	AWT	NCR	NCR
Block - DC	Fairview Microwave	SD3379	AMQ	6/8/2016	6/8/2017

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.


Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2013 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

# OUTPUT POWER

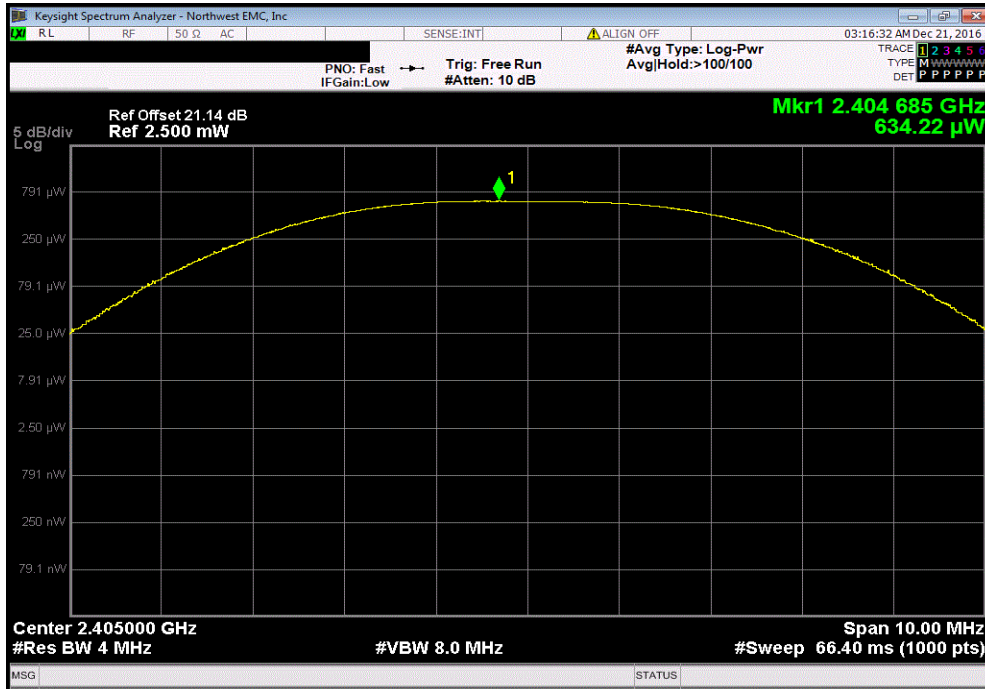


XMit 2016.09.29  
NweTx 2016.09.14.2

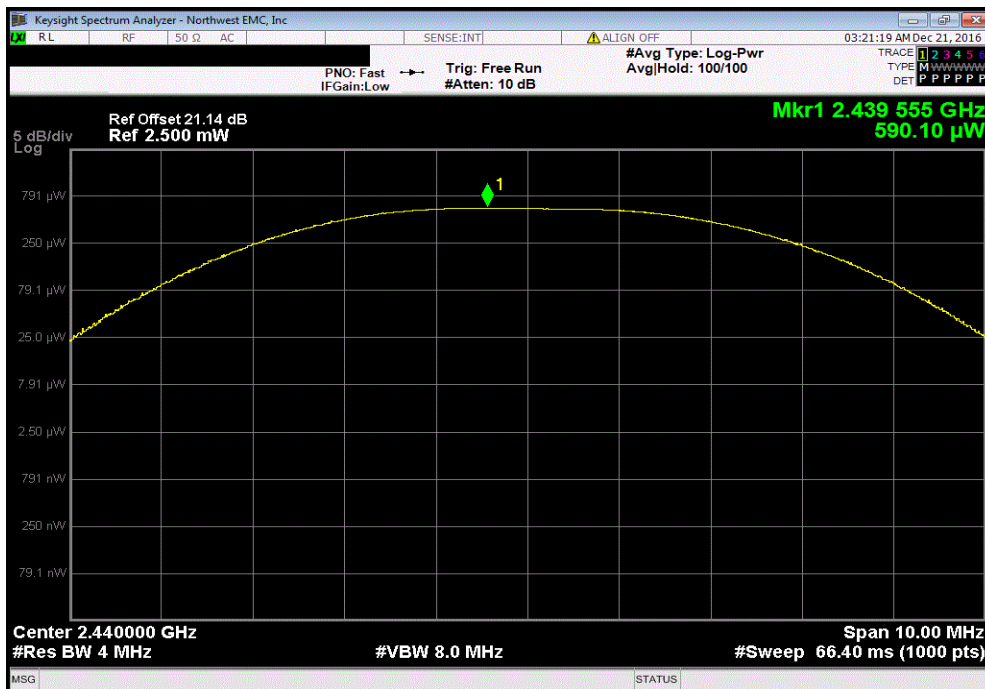
EUT: 360SIQMN		Work Order: SECF0064	
Serial Number: 64DBA0000136		Date: 12/20/16	
Customer: Select Comfort Corporation		Temperature: 23.2 °C	
Attendees: Jason Ortberg, Rob Munn		Humidity: 34.2% RH	
Project: None		Barometric Pres.: 1031 mbar	
Tested by: Jared Ison	Power: 110VAC/60Hz	Job Site: EV06	
TEST SPECIFICATIONS			
FCC 15.247:2016		ANSI C63.10:2013	
TEST METHOD			
COMMENTS			
None.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Value	Limit (-)
2400 MHz - 2483.5 MHz Band			
OQPSK			
Low Ch, 2405 MHz		634.22 uW	1 W Pass
Mid Ch, 2440 MHz		590.1 uW	1 W Pass
High Ch, 2480 MHz		567.97 uW	1 W Pass

# OUTPUT POWER

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz						
	Value	Limit		Result		
	634.22 uW	1 W		Pass		

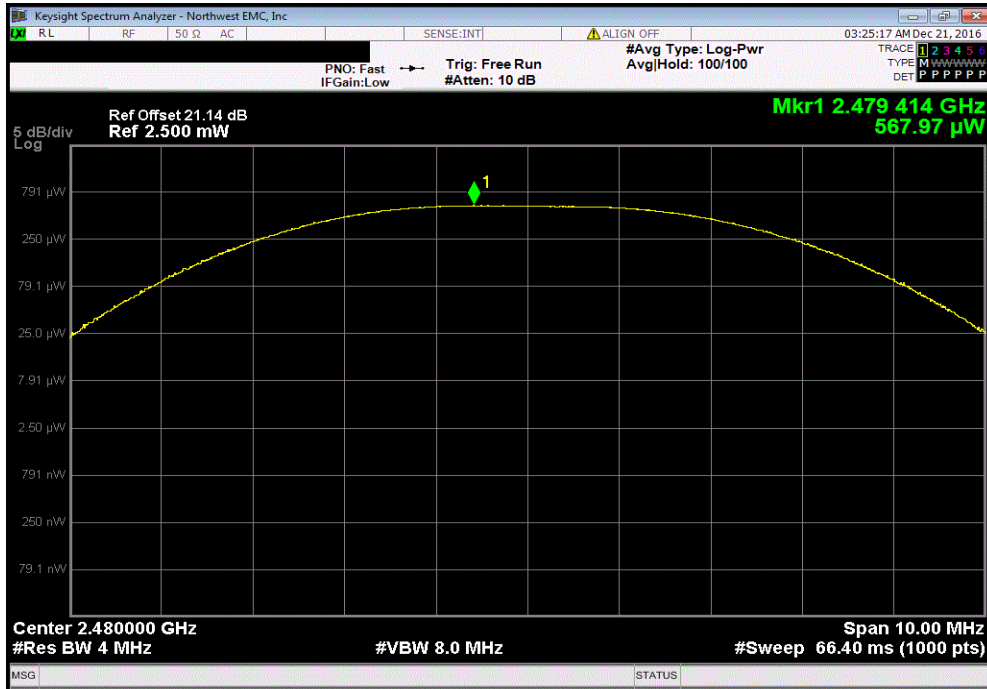


2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch, 2440 MHz						
	Value	Limit		Result		
	590.1 uW	1 W		Pass		



# OUTPUT POWER

2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz						
	Value	Limit		Value	Limit	Result
	567.97 $\mu$ W	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.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	10/27/2015	10/27/2018
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFP	8/10/2016	8/10/2017
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	6/7/2016	6/7/2017
Attenuator	S.M. Electronics	SA26B-20	AWT	NCR	NCR
Block - DC	Fairview Microwave	SD3379	AMQ	6/8/2016	6/8/2017

## TEST DESCRIPTION


The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

Per the procedure outlined in ANSI C63.10 the peak power spectral density was measured in a 3 kHz RBW.

# POWER SPECTRAL DENSITY

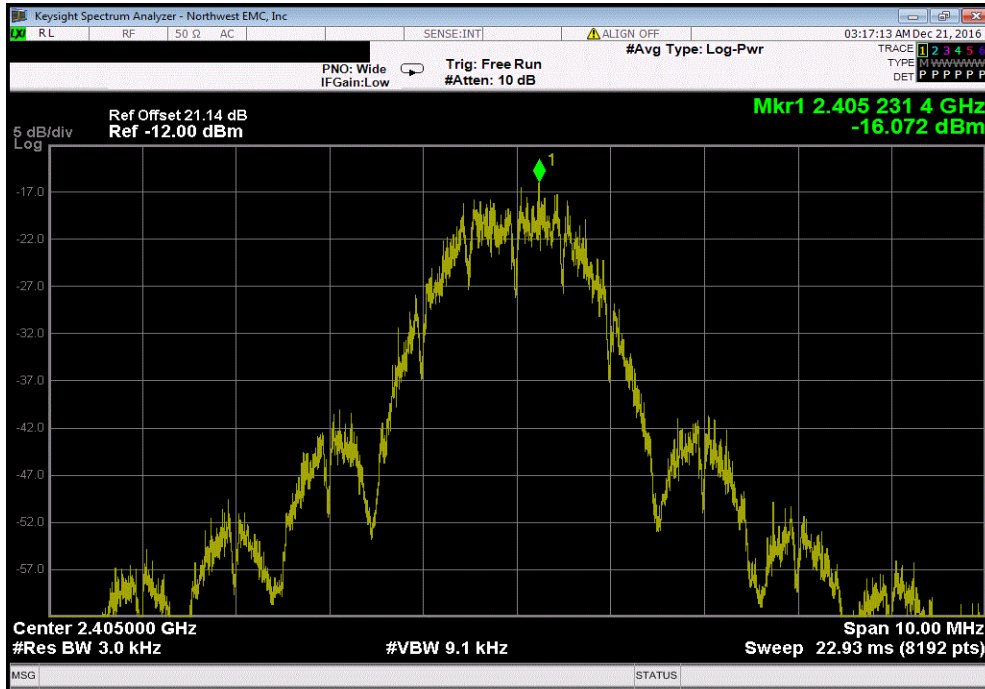


XMit 2016.09.29  
NweTx 2016.09.14.2

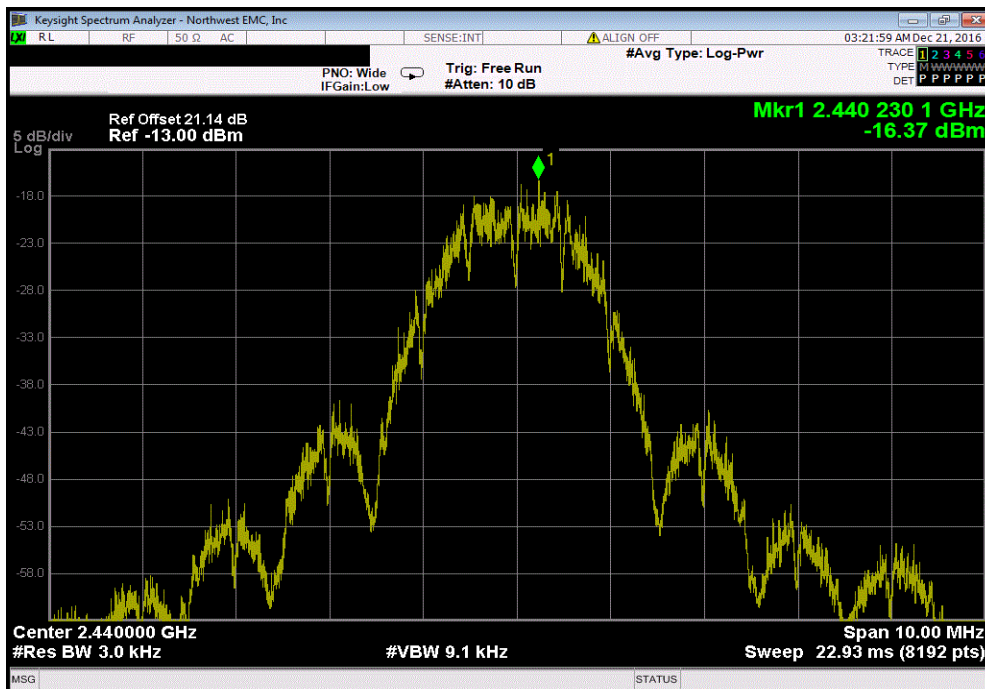
EUT: 360SIQMN		Work Order: SECF0064		
Serial Number: 64DBA0000136		Date: 12/20/16		
Customer: Select Comfort Corporation		Temperature: 23.2 °C		
Attendees: Jason Ortberg, Rob Munn		Humidity: 34.2% RH		
Project: None		Barometric Pres.: 1031 mbar		
Tested by: Jared Ison	Power: 110VAC/60Hz	Job Site: EV06		
TEST SPECIFICATIONS				
FCC 15.247:2016		Test Method: ANSI C63.10:2013		
COMMENTS				
None.				
DEVIATIONS FROM TEST STANDARD				
None				
Configuration #	2	Signature 		
		Value dBm/3kHz	Limit < dBm/3kHz	Results
2400 MHz - 2483.5 MHz Band				
OQPSK				
	Low Ch, 2405 MHz	-16.072	8	Pass
	Mid Ch, 2440 MHz	-16.369	8	Pass
	High Ch, 2480 MHz	-16.648	8	Pass

# POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz						
	Value	Limit	Results			
	dBm/3kHz	< dBm/3kHz				
	-16.072	8	Pass			

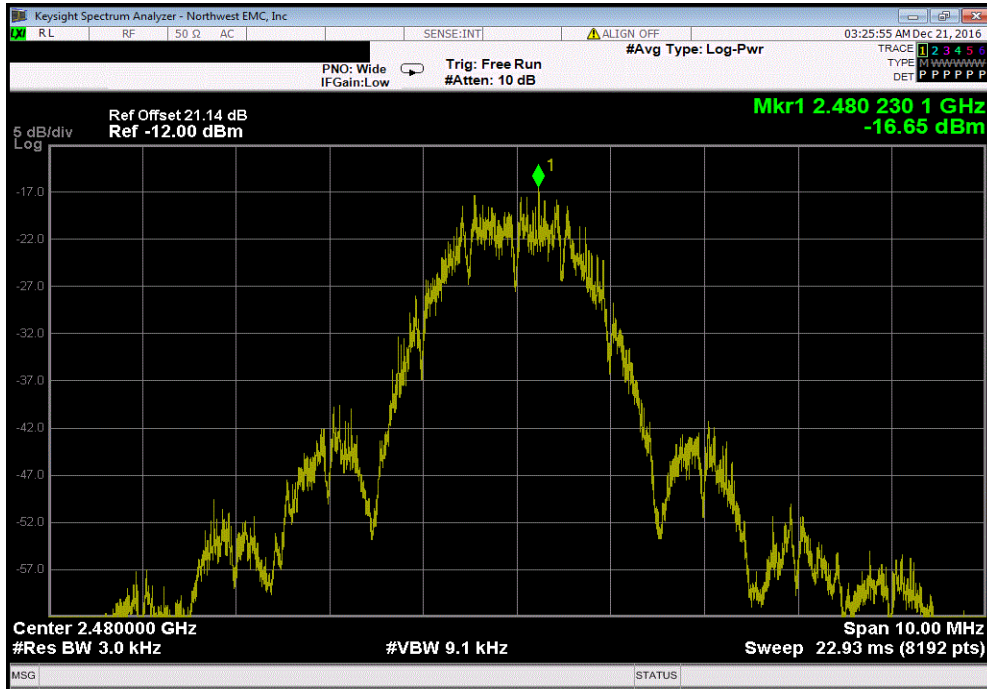


2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch, 2440 MHz						
	Value	Limit	Results			
	dBm/3kHz	< dBm/3kHz				
	-16.369	8	Pass			



# POWER SPECTRAL DENSITY

2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz						
		Value	Limit	Results		
		dBm/3kHz	< dBm/3kHz			
		-16.648	8	Pass		



# 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.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFP	8/10/2016	8/10/2017
Generator - Signal	Keysight	N5182B	TFU	10/27/2015	10/27/2018
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	6/7/2016	6/7/2017
Attenuator	S.M. Electronics	SA26B-20	AWT	NCR	NCR
Block - DC	Fairview Microwave	SD3379	AMQ	6/8/2016	6/8/2017

## TEST DESCRIPTION


The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. 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 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

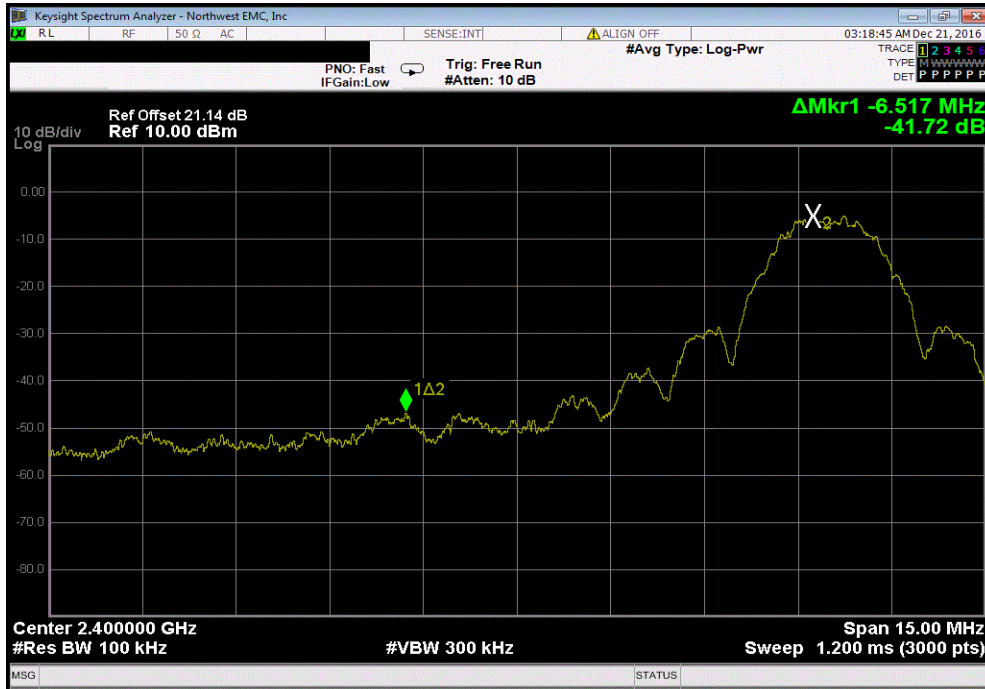


XMit 2016.09.29  
NweTx 2016.09.14.2

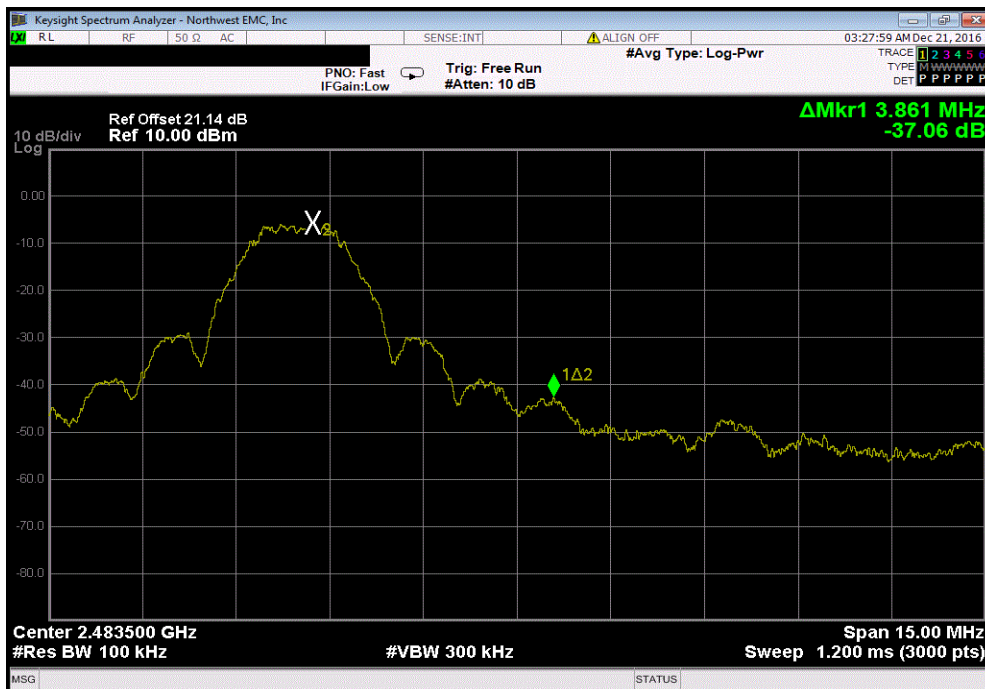
EUT: 360SIQMN		Work Order: SECF0064	
Serial Number: 64DBA0000136		Date: 12/20/16	
Customer: Select Comfort Corporation		Temperature: 23.1 °C	
Attendees: Jason Ortberg, Rob Munn		Humidity: 34.3% RH	
Project: None		Barometric Pres.: 1031 mbar	
Tested by: Jared Ison	Power: 110VAC/60Hz	Job Site: EV06	
TEST SPECIFICATIONS			
FCC 15.247:2016		ANSI C63.10:2013	
TEST METHOD			
COMMENTS			
None.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Value (dBc)	Limit ≤ (dBc) Result
2400 MHz - 2483.5 MHz Band			
OQPSK			
	Low Ch, 2405 MHz	-41.72	-20 Pass
	High Ch, 2480 MHz	-37.06	-20 Pass

# BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz			
	Value (dBc)	Limit ≤ (dBc)	Result
	-41.72	-20	Pass



2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz			
	Value (dBc)	Limit ≤ (dBc)	Result
	-37.06	-20	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.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	10/27/2015	10/27/2018
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFP	8/10/2016	8/10/2017
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	6/7/2016	6/7/2017
Attenuator	S.M. Electronics	SA26B-20	AWT	NCR	NCR
Block - DC	Fairview Microwave	SD3379	AMQ	6/8/2016	6/8/2017

## TEST DESCRIPTION


The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. 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

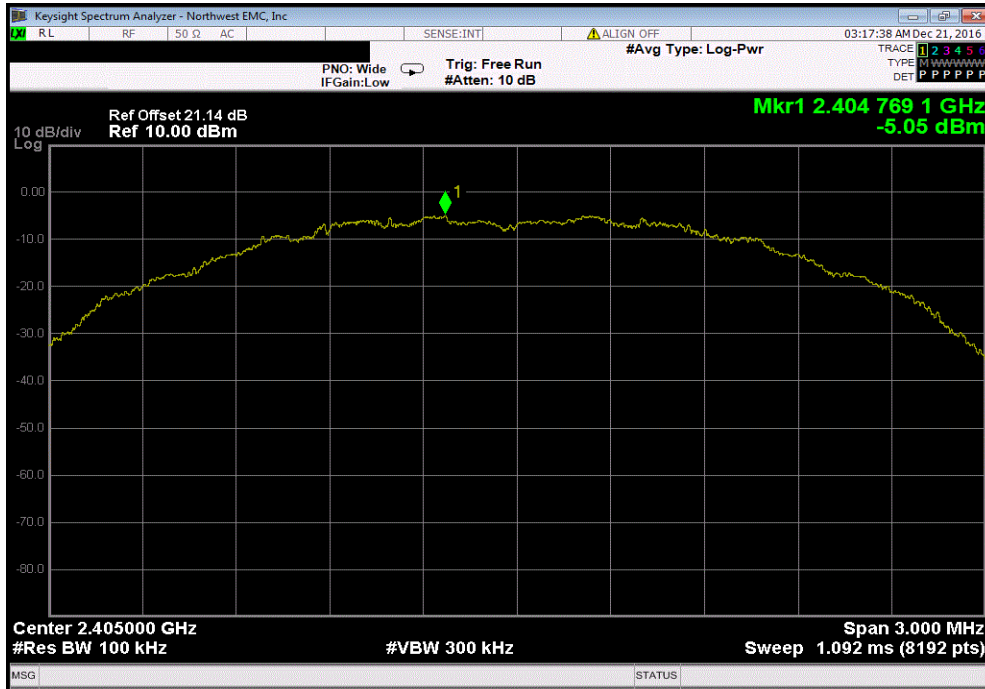


XMtr 2016.09.29  
NweTx 2016.09.14.2

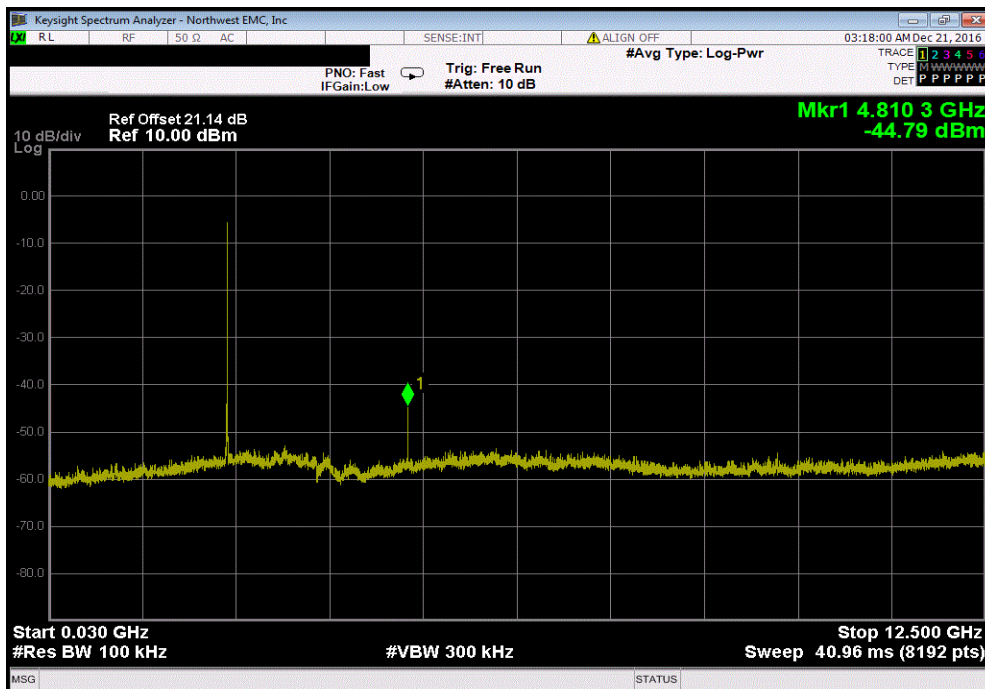
EUT: 360SIQMN		Work Order: SECF0064	
Serial Number: 64DBA0000136		Date: 12/20/16	
Customer: Select Comfort Corporation		Temperature: 23.2 °C	
Attendees: Jason Ortberg, Rob Munn		Humidity: 34.2% RH	
Project: None		Barometric Pres.: 1031 mbar	
Tested by: Jared Ison	Power: 110VAC/60Hz	Job Site: EV06	
TEST SPECIFICATIONS			
FCC 15.247:2016		Test Method: ANSI C63.10:2013	
COMMENTS			
None.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Frequency Range	Max Value (dBc)    Limit ≤ (dBc)    Result
2400 MHz - 2483.5 MHz Band			
OQPSK			
	Low Ch, 2405 MHz	Fundamental	N/A    N/A    N/A
	Low Ch, 2405 MHz	30 MHz - 12.5 GHz	-39.74    -20    Pass
	Low Ch, 2405 MHz	12.5 GHz - 25 GHz	-33.34    -20    Pass
	Mid Ch, 2440 MHz	Fundamental	N/A    N/A    N/A
	Mid Ch, 2440 MHz	30 MHz - 12.5 GHz	-47.62    -20    Pass
	Mid Ch, 2440 MHz	12.5 GHz - 25 GHz	-33.18    -20    Pass
	High Ch, 2480 MHz	Fundamental	N/A    N/A    N/A
	High Ch, 2480 MHz	30 MHz - 12.5 GHz	-42.27    -20    Pass
	High Ch, 2480 MHz	12.5 GHz - 25 GHz	-33.7    -20    Pass

# SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz						
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result			
Fundamental	N/A	N/A	N/A			

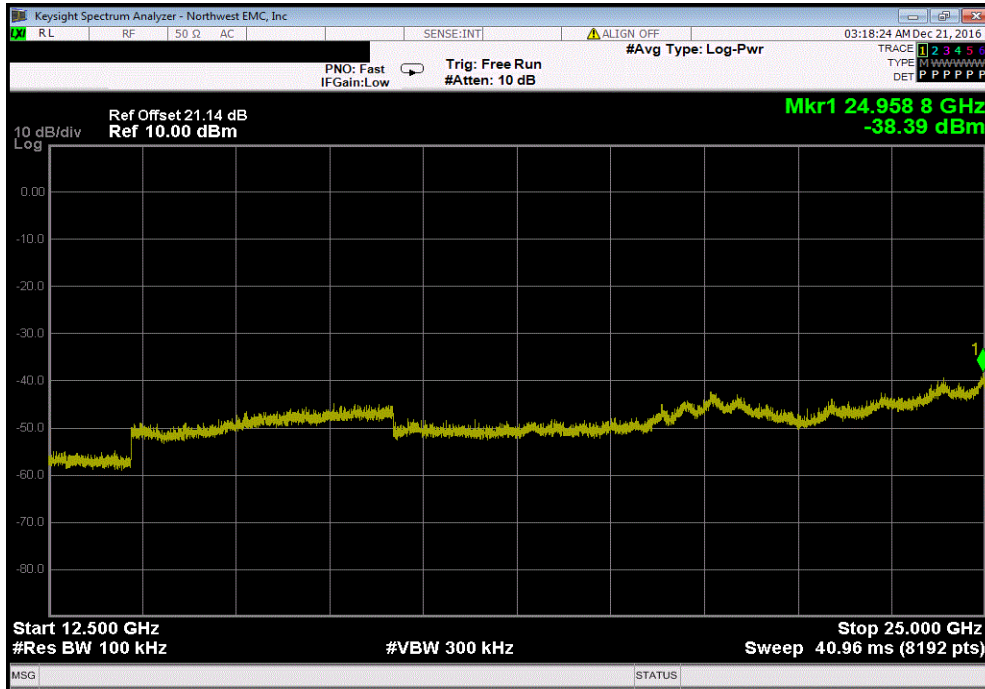


2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz						
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result			
30 MHz - 12.5 GHz	-39.74	-20	Pass			

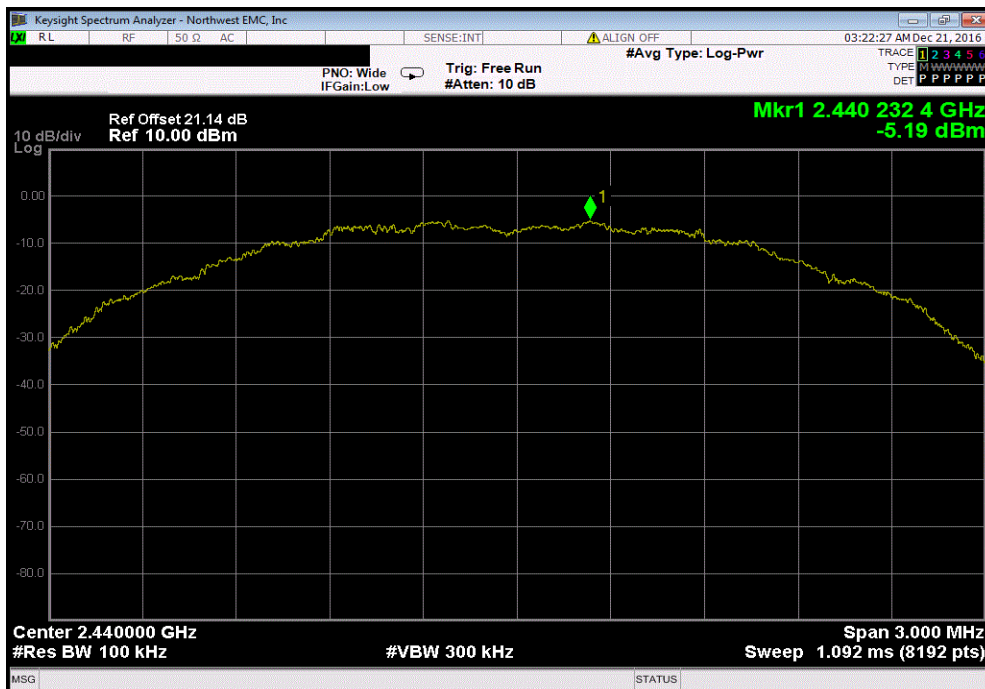


# SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, OQPSK, Low Ch, 2405 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-33.34	-20	Pass	

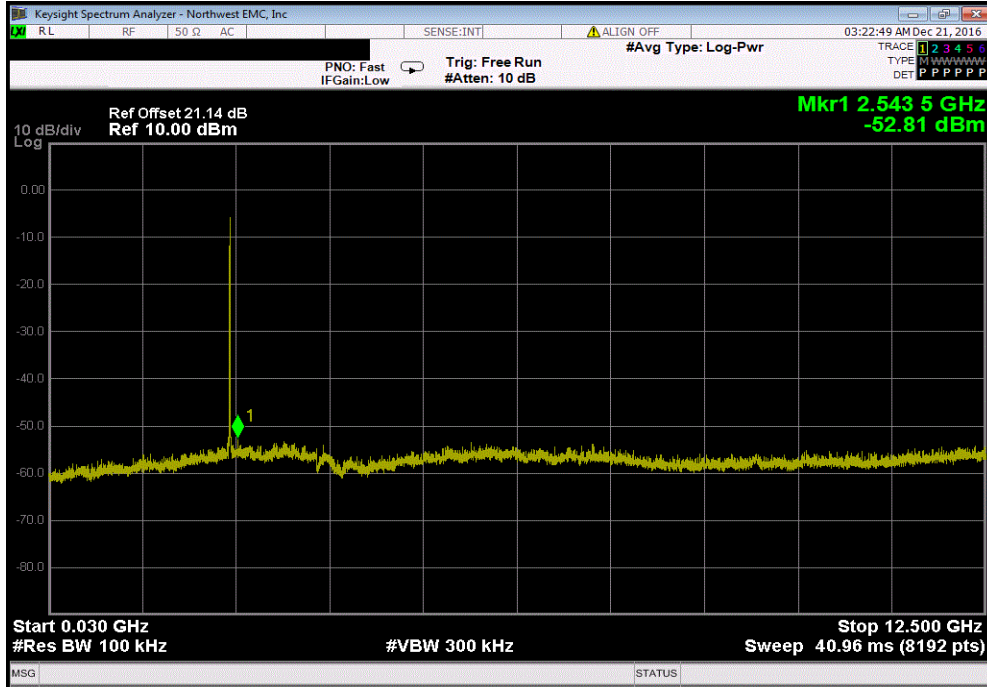


2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch, 2440 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

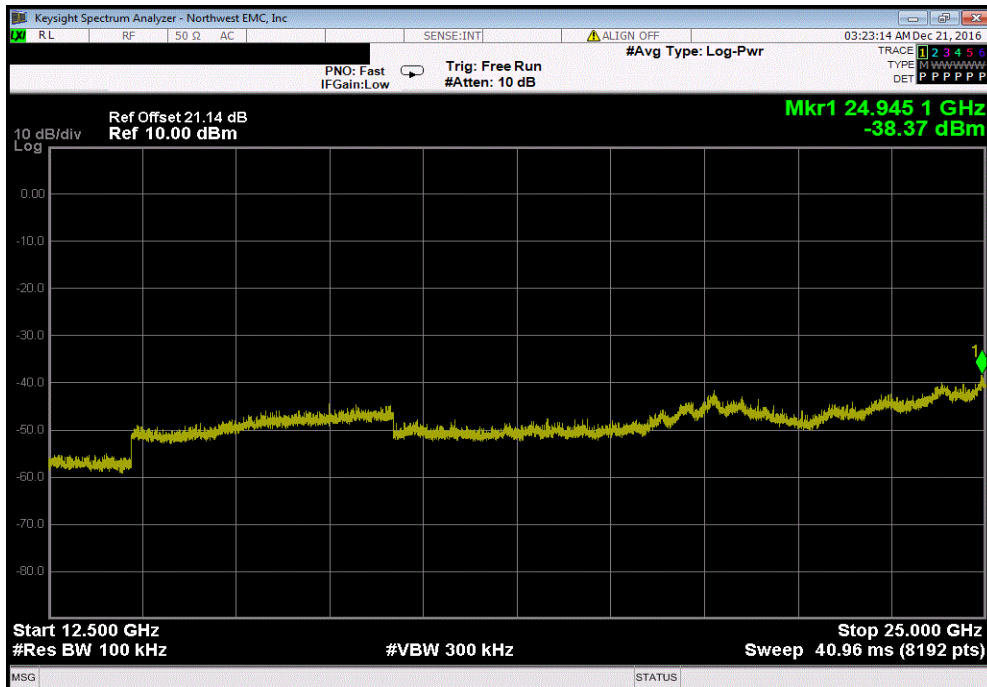


# SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch. 2440 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-47.62	-20	Pass	

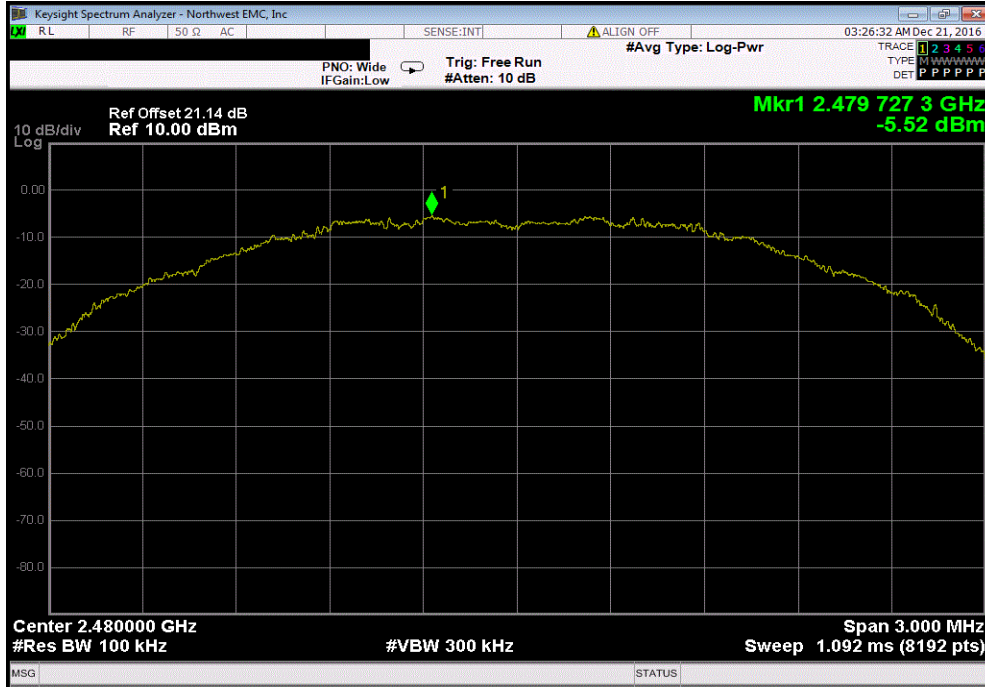


2400 MHz - 2483.5 MHz Band, OQPSK, Mid Ch. 2440 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-33.18	-20	Pass	

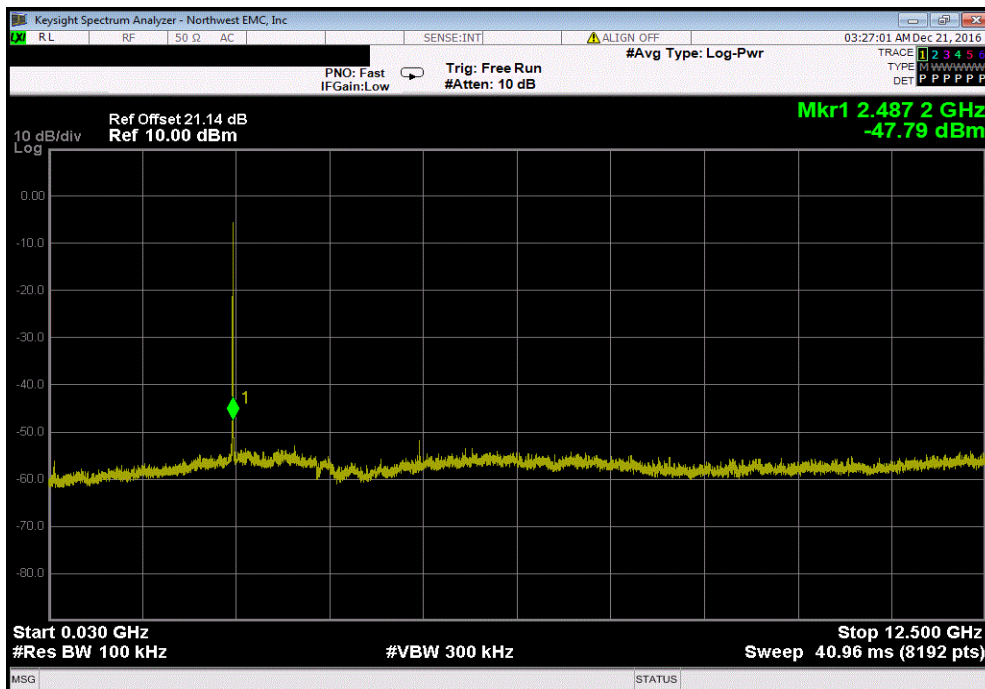


# SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	N/A	N/A	N/A		

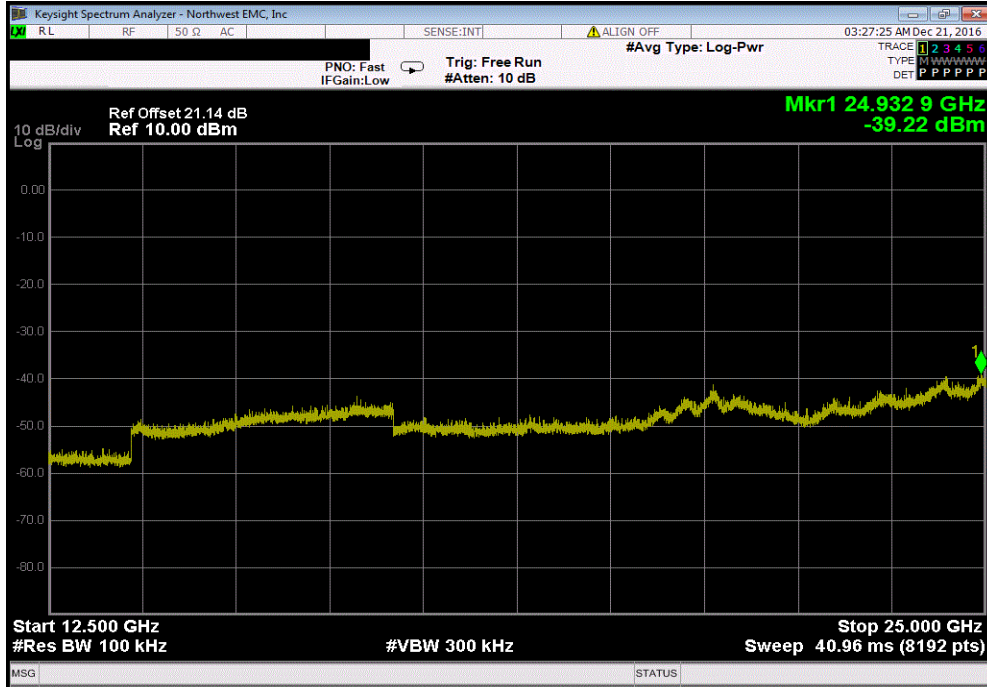


2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-42.27	-20	Pass		



# SPURIOUS CONDUCTED EMISSIONS

2400 MHz - 2483.5 MHz Band, OQPSK, High Ch, 2480 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-33.7	-20	Pass	



# SPURIOUS RADIATED EMISSIONS

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

## MODES OF OPERATION

Low Channel 2405 MHz

Middle Channel 2440 MHz

High Channel 2480 MHz

## POWER SETTINGS INVESTIGATED

110VAC/60Hz

## CONFIGURATIONS INVESTIGATED

SECF0064 - 2

## FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26000 MHz
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## 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
Filter - High Pass	Micro-Tronics	HPM50111	HFO	3/22/2016	12 mo
Cable	ESM Cable Corp.	KMKM-72	EYV	10/17/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AVU	10/17/2016	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AIV	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVD	3/11/2016	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-08	AHV	NCR	0 mo
Antenna - Standard Gain	ETS Lindgren	3160-07	AHU	NCR	0 mo
Cable	N/A	Double Ridge Horn Cables	EVB	3/11/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAG	3/11/2016	12 mo
Cable	N/A	Bilog Cables	EVA	3/11/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AOL	3/11/2016	12 mo
Cable	None	Standard Gain Horns Cable	EVF	3/11/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	3/11/2016	12 mo
Antenna - Biconilog	Teseq	CBL 6141B	AXR	6/30/2016	24 mo
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	4/22/2016	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

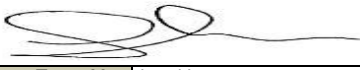
## TEST DESCRIPTION

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 axes 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.

# SPURIOUS RADIATED EMISSIONS

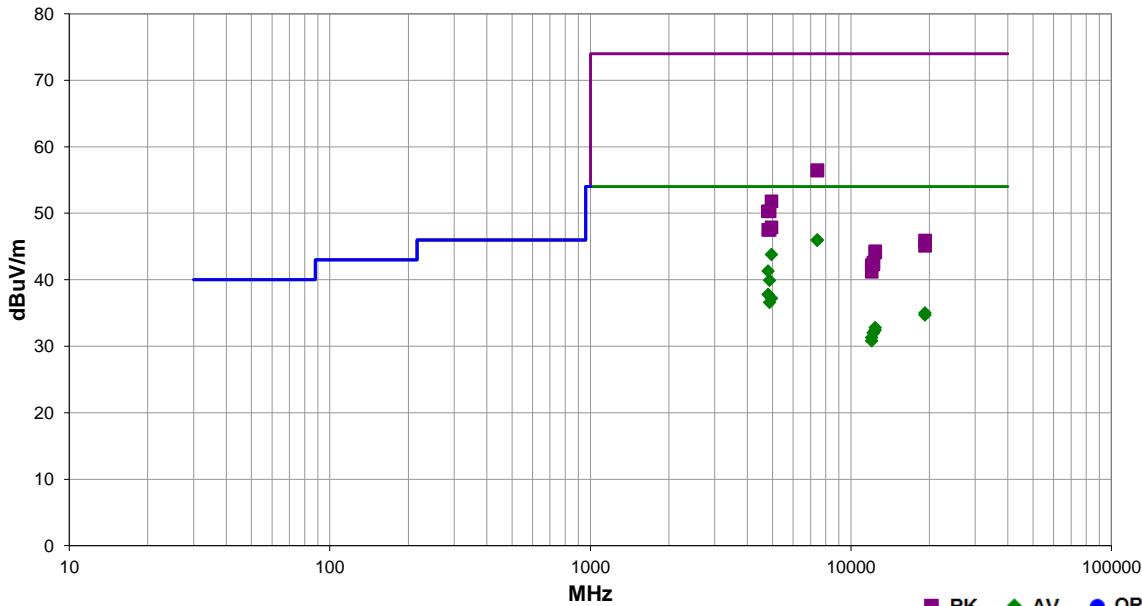


PSA-ESCI 2016.09.30.1  
EmiR5 2016.08.26

<b>Work Order:</b>	SECF0064	<b>Date:</b>	12/19/16	
<b>Project:</b>	None	<b>Temperature:</b>	20.5 °C	
<b>Job Site:</b>	EV01	<b>Humidity:</b>	29.2% RH	
<b>Serial Number:</b>	Bluetooth 1	<b>Barometric Pres.:</b>	1028 mbar	
<b>EUT:</b>	360SIQYYZ			
<b>Configuration:</b>	1			
<b>Customer:</b>	Select Comfort Corporation			
<b>Attendees:</b>	Jason Orberg, Rob Munn			
<b>EUT Power:</b>	110VAC/60Hz			
<b>Operating Mode:</b>	Transmit.			
<b>Deviations:</b>	None.			
<b>Comments:</b>	None.			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	25	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	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
7441.750	27.5	18.5	1.0	53.0	3.0	0.0	Horz	AV	0.0	46.0	54.0	-8.0	High Ch. 2480 MHz, EUT Horz
7438.392	27.4	18.5	3.5	313.0	3.0	0.0	Vert	AV	0.0	45.9	54.0	-8.1	High Ch. 2480 MHz, EUT Horz
4960.875	34.4	9.4	1.8	166.0	3.0	0.0	Horz	AV	0.0	43.8	54.0	-10.2	High Ch. 2480 MHz, EUT Horz
4810.892	32.3	9.0	1.8	169.0	3.0	0.0	Horz	AV	0.0	41.3	54.0	-12.7	Low Ch. 2405 MHz, EUT Horz
4880.905	30.7	9.2	1.5	176.0	3.0	0.0	Horz	AV	0.0	39.9	54.0	-14.1	Mid Ch. 2440 MHz, EUT Horz
4810.950	28.8	9.0	1.0	79.0	3.0	0.0	Vert	AV	0.0	37.8	54.0	-16.2	Low Ch. 2405 MHz, EUT Horz
4961.042	27.8	9.4	3.2	90.0	3.0	0.0	Vert	AV	0.0	37.2	54.0	-16.8	High Ch. 2480 MHz, EUT Horz
4881.300	27.4	9.2	1.0	275.0	3.0	0.0	Vert	AV	0.0	36.6	54.0	-17.4	Mid Ch. 2440 MHz, EUT Horz
7438.717	38.0	18.5	3.5	313.0	3.0	0.0	Vert	PK	0.0	56.5	74.0	-17.5	High Ch. 2480 MHz, EUT Horz
7441.142	37.9	18.5	1.0	53.0	3.0	0.0	Horz	PK	0.0	56.4	74.0	-17.6	High Ch. 2480 MHz, EUT Horz
19241.190	33.9	1.1	1.7	5.0	3.0	0.0	Vert	AV	0.0	35.0	54.0	-19.0	Low Ch. 2405 MHz, EUT Horz
19239.840	33.6	1.1	1.7	294.0	3.0	0.0	Horz	AV	0.0	34.7	54.0	-19.3	Low Ch. 2405 MHz, EUT Horz
12397.630	27.8	5.0	1.0	148.0	3.0	0.0	Horz	AV	0.0	32.8	54.0	-21.2	High Ch. 2480 MHz, EUT Horz
12399.080	27.4	5.0	1.0	332.0	3.0	0.0	Vert	AV	0.0	32.4	54.0	-21.6	High Ch. 2480 MHz, EUT Horz
12198.350	27.6	4.4	1.0	112.0	3.0	0.0	Horz	AV	0.0	32.0	54.0	-22.0	Mid Ch. 2440 MHz, EUT Horz
12201.180	27.6	4.4	1.0	217.0	3.0	0.0	Vert	AV	0.0	32.0	54.0	-22.0	Mid Ch. 2440 MHz, EUT Horz
4960.900	42.4	9.4	1.8	166.0	3.0	0.0	Horz	PK	0.0	51.8	74.0	-22.2	High Ch. 2480 MHz, EUT Horz
12027.430	27.9	3.4	1.5	91.0	3.0	0.0	Horz	AV	0.0	31.3	54.0	-22.7	Low Ch. 2405 MHz, EUT Horz
12024.010	27.4	3.4	1.0	16.0	3.0	0.0	Vert	AV	0.0	30.8	54.0	-23.2	Low Ch. 2405 MHz, EUT Horz
4808.858	41.3	9.0	1.8	169.0	3.0	0.0	Horz	PK	0.0	50.3	74.0	-23.7	Low Ch. 2405 MHz, EUT Horz
4880.900	41.1	9.2	1.5	176.0	3.0	0.0	Horz	PK	0.0	50.3	74.0	-23.7	Mid Ch. 2440 MHz, EUT Horz
4961.900	38.5	9.4	3.2	90.0	3.0	0.0	Vert	PK	0.0	47.9	74.0	-26.1	High Ch. 2480 MHz, EUT Horz




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
4810.233	38.5	9.0	1.0	79.0	3.0	0.0	Vert	PK	0.0	47.5	74.0	-26.5	Low Ch. 2405 MHz, EUT Horz
4879.020	38.3	9.2	1.0	275.0	3.0	0.0	Vert	PK	0.0	47.5	74.0	-26.5	Mid Ch. 2440 MHz, EUT Horz
19240.170	44.8	1.1	1.7	5.0	3.0	0.0	Vert	PK	0.0	45.9	74.0	-28.1	Low Ch. 2405 MHz, EUT Horz
19239.890	44.0	1.1	1.7	294.0	3.0	0.0	Horz	PK	0.0	45.1	74.0	-28.9	Low Ch. 2405 MHz, EUT Horz
12397.720	39.3	5.0	1.0	148.0	3.0	0.0	Horz	PK	0.0	44.3	74.0	-29.7	High Ch. 2480 MHz, EUT Horz
12398.970	39.1	5.0	1.0	332.0	3.0	0.0	Vert	PK	0.0	44.1	74.0	-29.9	High Ch. 2480 MHz, EUT Horz
12200.880	38.2	4.4	1.0	217.0	3.0	0.0	Vert	PK	0.0	42.6	74.0	-31.4	Mid Ch. 2440 MHz, EUT Horz
12201.240	37.9	4.4	1.0	112.0	3.0	0.0	Horz	PK	0.0	42.3	74.0	-31.7	Mid Ch. 2440 MHz, EUT Horz
12026.280	38.8	3.4	1.0	16.0	3.0	0.0	Vert	PK	0.0	42.2	74.0	-31.8	Low Ch. 2405 MHz, EUT Horz
12026.270	37.8	3.4	1.5	91.0	3.0	0.0	Horz	PK	0.0	41.2	74.0	-32.8	Low Ch. 2405 MHz, EUT Horz

# SPURIOUS RADIATED EMISSIONS

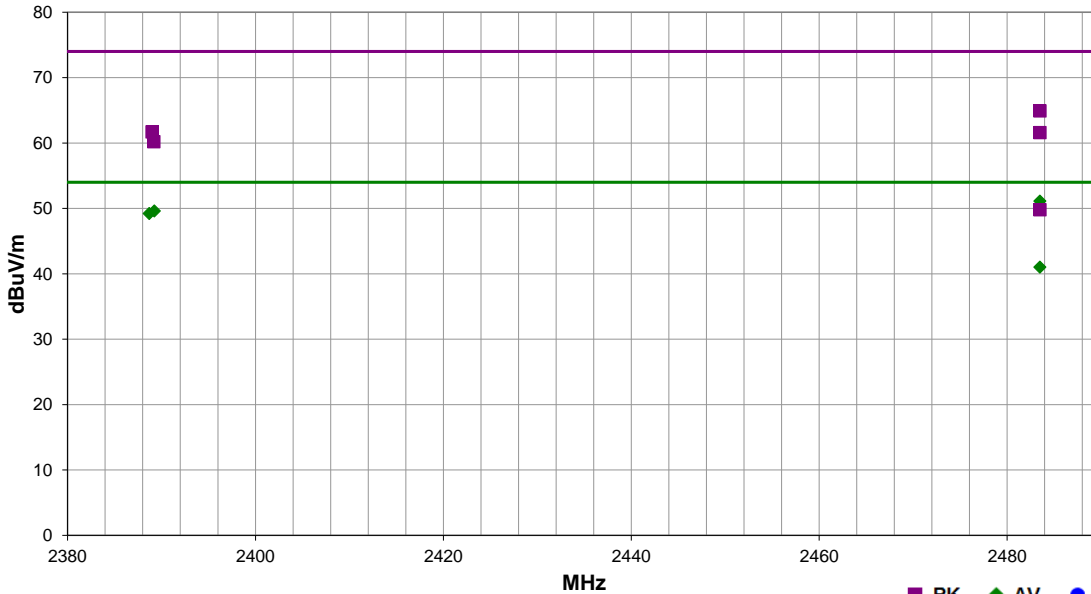


PSA-ESCI 2016.09.30.1  
EmiR5 2016.08.26

<b>Work Order:</b>	SECF0064	<b>Date:</b>	12/19/16	
<b>Project:</b>	None	<b>Temperature:</b>	20.5 °C	
<b>Job Site:</b>	EV01	<b>Humidity:</b>	29.2% RH	
<b>Serial Number:</b>	Bluetooth 1	<b>Barometric Pres.:</b>	1028 mbar	
<b>EUT:</b>	360SIQYYZ			
<b>Configuration:</b>	1			
<b>Customer:</b>	Select Comfort Corporation			
<b>Attendees:</b>	Jason Ortberg, Rob Munn			
<b>EUT Power:</b>	110VAC/60Hz			
<b>Operating Mode:</b>	Transmit.			
<b>Deviations:</b>	None.			
<b>Comments:</b>	None.			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	24	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	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
2483.500	32.2	-1.1	1.0	73.0	3.0	20.0	Vert	AV	0.0	51.1	54.0	-2.9	High Ch. 2480 MHz, EUT Horz
2389.240	31.2	-1.6	1.0	136.0	3.0	20.0	Horz	AV	0.0	49.6	54.0	-4.4	Low Ch. 2405 MHz, EUT Horz
2388.693	30.8	-1.6	1.0	236.0	3.0	20.0	Vert	AV	0.0	49.2	54.0	-4.8	Low Ch. 2405 MHz, EUT Horz
2483.500	46.0	-1.1	1.0	126.0	3.0	20.0	Horz	PK	0.0	64.9	74.0	-9.1	High Ch. 2480 MHz, EUT Horz
2388.987	43.3	-1.6	1.0	136.0	3.0	20.0	Horz	PK	0.0	61.7	74.0	-12.3	Low Ch. 2405 MHz, EUT Horz
2483.500	42.7	-1.1	1.0	73.0	3.0	20.0	Vert	PK	0.0	61.6	74.0	-12.4	High Ch. 2480 MHz, EUT Horz
2483.500	22.2	-1.2	1.0	147.0	3.0	20.0	Horz	AV	0.0	41.0	54.0	-13.0	High Ch. 2480 MHz, EUT Horz: Fund 39.1dBuV + -16.9dBc = 22.2dBuV (calc. amp.)
2389.180	41.8	-1.6	1.0	236.0	3.0	20.0	Vert	PK	0.0	60.2	74.0	-13.8	Low Ch. 2405 MHz, EUT Horz
2483.500	31.0	-1.2	1.0	147.0	3.0	20.0	Horz	PK	0.0	49.8	74.0	-24.2	High Ch. 2480 MHz, EUT Horz: Fund 47.9dBuV + -16.9dBc = 31.0dBuV (calc. amp.)

# SPURIOUS RADIATED EMISSIONS

High Ch. 2480 MHz, EUT Horizontal

