



Dynastream Innovations, Inc.

N5

FCC 15.249:2014

RSS-210:2010

RSS-Gen:2010

Report #: GARI0007



Report Prepared By Northwest EMC Inc.

NORTHWEST EMC – (888) 364-2378 – www.nwemc.com

California – Minnesota – Oregon – New York – Washington

CERTIFICATE OF TEST

Last Date of Test: January 09, 2014
Dynastream Innovations, Inc.
Model: N5

Emissions

Test Description	Specification	Test Method	Pass/Fail
Field Strength of Spurious Emissions	FCC 15.249:2014	ANSI C63.10:2009	Pass
Field Strength of Spurious Emissions	RSS-210:2010	RSS-Gen:2010	Pass
Field Strength of Fundamental	FCC 15.249:2014	ANSI C63.10:2009	Pass
Field Strength of Fundamental	RSS-210:2010	RSS-Gen:2010	Pass
99% Occupied Bandwidth	RSS-Gen:2010	RSS-Gen:2010	Pass

Deviations From Test Standards

None

Approved By:



Kyle Holgate, Operations Manager



NVLAP Lab Code: 200630-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

REVISION HISTORY

Revision Number	Description	Date	Page Number
00	None		

Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

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 Guide 65 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

KCC / 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.

Hong Kong

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

Vietnam

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

Russia

GOST – Accredited by Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC to perform EMC and Hygienic testing for Information Technology products to GOST standards.

SCOPE

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

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

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.

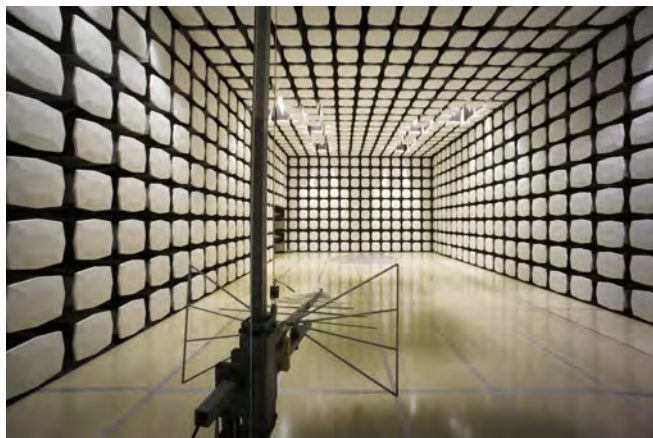
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement 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 16-4-1 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)	0.12	-0.01
Amplitude Accuracy (dB)	0.49	-0.49
Conducted Power (dB)	0.41	-0.41
Radiated Power via Substitution (dB)	0.69	-0.68
Temperature (degrees C)	0.81	-0.81
Humidity (% RH)	2.89	-2.89
Field Strength (dB)	4.00	-4.00
AC Powerline Conducted Emissions (dB)	2.70	-2.70



Oregon Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	California Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	New York Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 685-0796	Minnesota Labs MN01-08 9349 W Broadway Ave. Brooklyn Park, MN 55445 (763) 425-2281	Washington Labs NC01-05, SU02, SU07 19201 120 th Ave. NE Bothell, WA 98011 (425) 984-6600
VCCI				
A-0108	A-0029		A-0109	A-0110
Industry Canada				
2834D-1, 2834D-2	2834B-1, 2834B-2, 2834B-3		2834E-1	2834C-1
NVLAP				
NVLAP Lab Code: 200630-0	NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200629-0



Client and Equipment Under Test (EUT) Information

Company Name:	Dynastream Innovations, Inc.
Address:	#201, 100 Grande Blvd.
City, State, Zip:	Cochrane, Alberta, Canada T4C 0S4
Test Requested By:	David Utt
Model:	N5
First Date of Test:	January 08, 2014
Last Date of Test:	January 09, 2014
Receipt Date of Samples:	January 08, 2014
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):

The N5 is a transceiver that operates between 2400-2483.5 MHz. The radio uses GFSK modulation with three different communication protocols that have the exact same RF characteristics. These modes are listed in the test report as Mode 1, Mode 2, and Mode 3.

Testing Objective:

Seeking to demonstrate compliance under FCC 15.249 and RSS-210 and RSS-Gen

Configuration GARI0007- 1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Transceiver	Dynastream Innovations, Inc.	N5	XLR2 UUT4

Configuration GARI0007- 3

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Transceiver	Dynastream Innovations, Inc.	N5	XLR2 UUT3

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	1/08/2014	Field Strength of Fundamental	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	1/08/2014	Field Strength of Spurious 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	1/09/2014	99% Emissions Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

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

MODES OF OPERATION

Transmit, Continuous Modulation

POWER SETTINGS INVESTIGATED

Internal Battery

CONFIGURATIONS INVESTIGATED

GARI0007 - 3

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26.5 GHz
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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
HP Filter	Micro-Tronics	HPM50111	HFO	7/6/2013	24 mo
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24 mo
Cable	ESM Cable Corp.	KMKM-72	EVY	9/10/2013	12 mo
Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AVU	9/10/2013	12 mo
Antenna, Horn	ETS Lindgren	3160-09	AIV	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVD	10/21/2013	12 mo
Antenna, Horn	ETS	3160-08	AHV	NCR	0 mo
EV01 Cables	N/A	Standard Gain Horns Cables	EVF	10/21/2013	12 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	10/21/2013	12 mo
Antenna, Horn	ETS	3160-07	AHU	NCR	0 mo
EV01 Cables	N/A	Double Ridge Horn Cables	EVB	9/2/2013	12 mo
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	6/20/2013	12 mo
Antenna, Horn	ETS	3115	AIZ	1/24/2011	36 mo
EV01 Cables	N/A	Bilog Cables	EVA	6/20/2013	12 mo
Pre-Amplifier	Miteq	AM-1616-1000	AOL	6/20/2013	12 mo
Antenna, Biconilog	EMCO	3141	AXG	4/10/2012	36 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

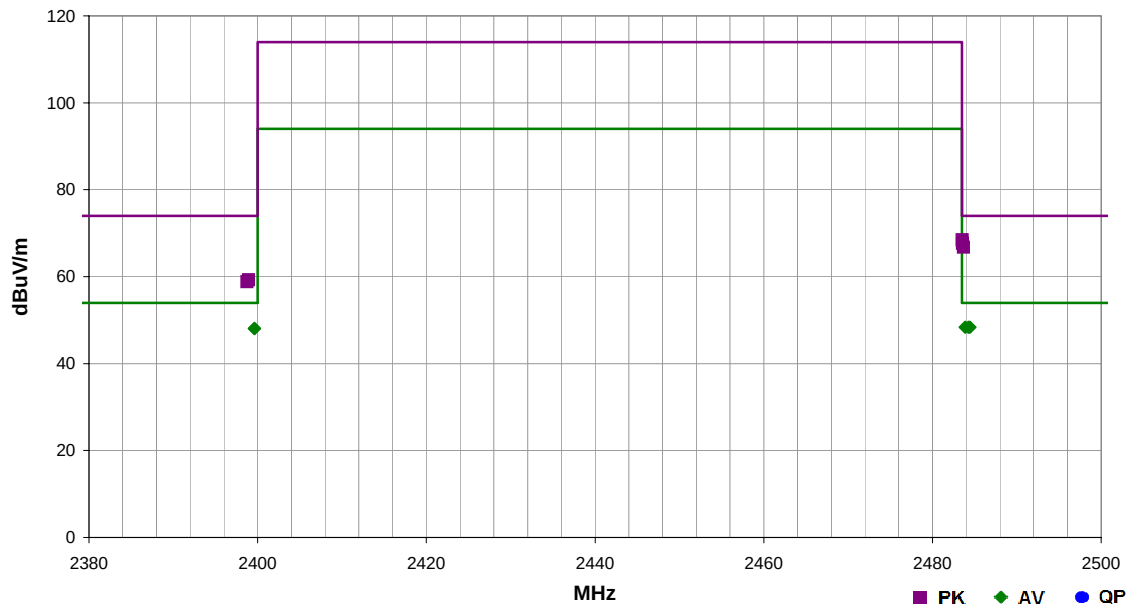
TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Work Order:	GARI0007	Date:	01/08/14	
Project:	None	Temperature:	21.6 °C	
Job Site:	EV01	Humidity:	40% RH	
Serial Number:	XLR2 UUT3	Barometric Pres.:	1015.2 mbar	
		Tested by: Carl Engholm, Jared Ison		
EUT:	N5			
Configuration:	3			
Customer:	Dynastream Innovations, Inc.			
Attendees:	None			
EUT Power:	Internal Battery			
Operating Mode:	Transmit, Continuous Modulation			
Deviations:	None			
Comments:	See comments below for modulation type, frequency and EUT orientation.			

Test Specifications	Test Method
FCC 15.249:2014	ANSI C63.10:2009
RSS-210:2010	RSS-Gen:2010

Run #	37	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.527	46.6	1.8	1.0	104.0	3.0	20.0	Vert	PK	0.0	68.4	74.0	-5.6	Mode 1, High Ch. 2480MHz, EUT Vert
2484.463	26.5	1.9	1.0	101.0	3.0	20.0	Vert	AV	0.0	48.4	54.0	-5.6	Mode 3, High Ch. 2480MHz, EUT Vert
2484.260	26.5	1.8	1.0	104.0	3.0	20.0	Vert	AV	0.0	48.4	54.0	-5.7	Mode 1, High Ch. 2480MHz, EUT Vert
2483.890	26.5	1.8	1.0	139.0	3.0	20.0	Horz	AV	0.0	48.3	54.0	-5.7	Mode 3, High Ch. 2480MHz, EUT Horz
2399.620	26.6	1.5	1.0	246.0	3.0	20.0	Vert	AV	0.0	48.1	54.0	-5.9	Mode 3, Low Ch. 2402MHz, EUT Vert
2399.627	26.6	1.5	1.5	78.0	3.0	20.0	Vert	AV	0.0	48.1	54.0	-5.9	Mode 1, Low Ch. 2402MHz, EUT Vert
2483.567	45.8	1.8	1.0	101.0	3.0	20.0	Vert	PK	0.0	67.6	74.0	-6.4	Mode 3, High Ch. 2480MHz, EUT Vert
2483.703	44.9	1.8	1.0	139.0	3.0	20.0	Horz	PK	0.0	66.7	74.0	-7.3	Mode 3, High Ch. 2480MHz, EUT Horz
2398.913	37.8	1.5	1.5	78.0	3.0	20.0	Vert	PK	0.0	59.3	74.0	-14.7	Mode 1, Low Ch. 2402MHz, EUT Vert
2398.743	37.3	1.5	1.0	246.0	3.0	20.0	Vert	PK	0.0	58.8	74.0	-15.2	Mode 3, Low Ch. 2402MHz, EUT Vert



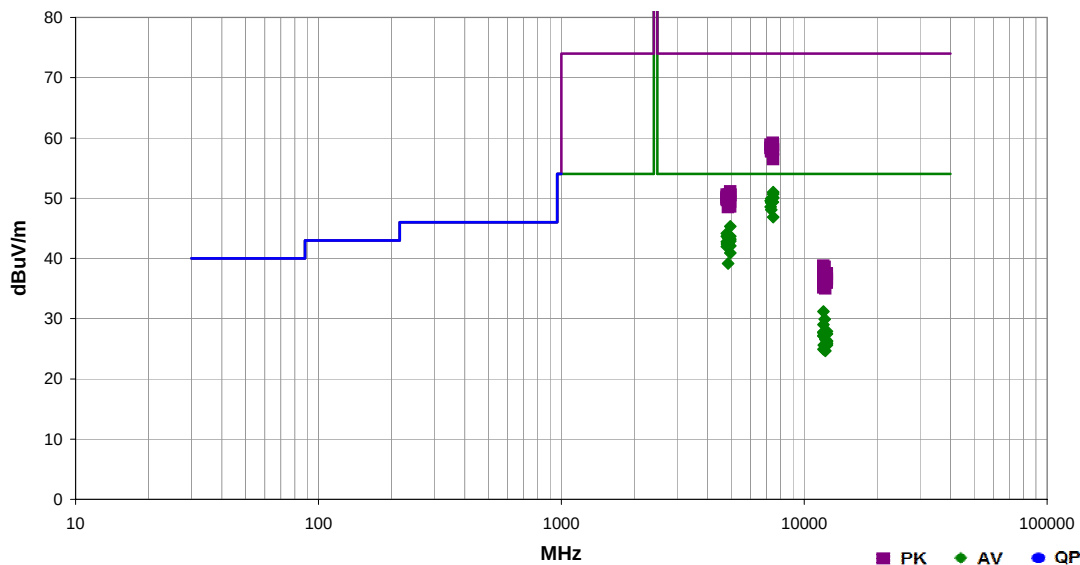
FIELD STRENGTH OF SPURIOUS EMISSIONS

PSA-ESCI 2012.12.14
EmiR5 2013.08.26

Work Order:	GARI0007	Date:	01/08/14	
Project:	None	Temperature:	21.6 °C	
Job Site:	EV01	Humidity:	40% RH	
Serial Number:	XLR2 UUT3	Barometric Pres.:	1015.2 mbar	
EUT:		N5		
Configuration:		3		
Customer:		Dynastream Innovations, Inc.		
Attendees:		None		
EUT Power:		Internal Battery		
Operating Mode:		Transmit, Continuous Modulation		
Deviations:		None		
Comments:		See comments below for modulation type, frequency and EUT orientation.		

Test Specifications	Test Method
FCC 15.249:2014	ANSI C63.10:2009
RSS-210:2010	RSS-Gen:2010

Run #	38	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7440.100	31.8	19.2	1.0	208.0	3.0	0.0	Horz	AV	0.0	51.0	54.0	-3.0	Mode 3, High Ch. 2480MHz, EUT On Side
7440.692	31.5	19.2	1.6	254.0	3.0	0.0	Vert	AV	0.0	50.7	54.0	-3.3	Mode 1, High Ch. 2480MHz, EUT On Side
7440.117	30.9	19.2	1.0	81.0	3.0	0.0	Vert	AV	0.0	50.1	54.0	-3.9	Mode 3, High Ch. 2480MHz, EUT On Side
7434.558	30.8	19.2	1.1	321.0	3.0	0.0	Vert	AV	0.0	50.0	54.0	-4.0	Mode 2, High Ch. 2478MHz, EUT On Side
7326.750	31.0	19.0	1.0	207.0	3.0	0.0	Vert	AV	0.0	50.0	54.0	-4.0	Mode 2, Mid Ch. 2442MHz, EUT On Side
7278.750	30.8	18.7	1.5	47.0	3.0	0.0	Horz	AV	0.0	49.5	54.0	-4.5	Mode 1, Mid Ch. 2426MHz, EUT On Side
7434.475	30.2	19.2	1.7	186.0	3.0	0.0	Horz	AV	0.0	49.4	54.0	-4.6	Mode 2, High Ch. 2478MHz, EUT On Side
7323.142	30.4	18.9	1.6	214.0	3.0	0.0	Horz	AV	0.0	49.3	54.0	-4.7	Mode 3, Mid Ch. 2441MHz, EUT On Side
7323.183	30.3	18.9	1.0	223.0	3.0	0.0	Vert	AV	0.0	49.2	54.0	-4.8	Mode 3, Mid Ch. 2441MHz, EUT On Side
7278.775	29.8	18.7	1.0	30.0	3.0	0.0	Vert	AV	0.0	48.5	54.0	-5.5	Mode 1, Mid Ch. 2426MHz, EUT On Side
7326.867	29.1	19.0	1.0	110.0	3.0	0.0	Horz	AV	0.0	48.1	54.0	-5.9	Mode 2, Mid Ch. 2442MHz, EUT On Side
7440.725	27.7	19.2	1.0	153.0	3.0	0.0	Horz	AV	0.0	46.9	54.0	-7.1	Mode 1, High Ch. 2480MHz, EUT On Side
4960.050	34.4	10.9	1.3	202.0	3.0	0.0	Vert	AV	0.0	45.3	54.0	-8.7	Mode 3, High Ch. 2480MHz, EUT On Side
4804.108	33.7	10.4	1.0	212.0	3.0	0.0	Vert	AV	0.0	44.1	54.0	-9.9	Mode 3, Low Ch. 2402MHz, EUT On Side
4956.142	32.8	10.9	1.2	246.0	3.0	0.0	Horz	AV	0.0	43.7	54.0	-10.3	Mode 2, High Ch. 2478MHz, EUT On Side
4881.975	33.0	10.7	1.2	236.0	3.0	0.0	Horz	AV	0.0	43.7	54.0	-10.3	Mode 3, Mid Ch. 2441MHz, EUT On Side
4804.225	33.2	10.4	1.1	6.0	3.0	0.0	Vert	AV	0.0	43.6	54.0	-10.4	Mode 1, Low Ch. 2402MHz, EUT On Side
4852.100	32.8	10.6	1.0	55.0	3.0	0.0	Horz	AV	0.0	43.4	54.0	-10.6	Mode 1, Mid Ch. 2426MHz, EUT On Side
4960.325	32.3	10.9	1.8	303.0	3.0	0.0	Horz	AV	0.0	43.2	54.0	-10.8	Mode 1, High Ch. 2480MHz, EUT On Side
4884.050	32.3	10.7	1.3	40.0	3.0	0.0	Vert	AV	0.0	43.0	54.0	-11.0	Mode 2, Mid Ch. 2442MHz, EUT On Side
4955.975	32.0	10.9	1.1	15.0	3.0	0.0	Vert	AV	0.0	42.9	54.0	-11.1	Mode 2, High Ch. 2478MHz, EUT On Side
4881.983	32.2	10.7	1.3	41.0	3.0	0.0	Vert	AV	0.0	42.9	54.0	-11.1	Mode 3, Mid Ch. 2441MHz, EUT On Side
4804.100	32.3	10.4	1.7	251.0	3.0	0.0	Horz	AV	0.0	42.7	54.0	-11.3	Mode 3, Low Ch. 2402MHz, EUT On Side
4884.092	31.9	10.7	1.3	243.0	3.0	0.0	Horz	AV	0.0	42.6	54.0	-11.4	Mode 2, Mid Ch. 2442MHz, EUT On Side
4808.133	32.0	10.5	1.1	252.0	3.0	0.0	Vert	AV	0.0	42.5	54.0	-11.5	Mode 2, Low Ch. 2404MHz, EUT On Side
4808.083	31.9	10.5	1.0	33.0	3.0	0.0	Horz	AV	0.0	42.4	54.0	-11.6	Mode 2, Low Ch. 2404MHz, EUT On Side
4960.142	31.2	10.9	1.0	137.0	3.0	0.0	Horz	AV	0.0	42.1	54.0	-11.9	Mode 3, High Ch. 2480MHz, EUT On Side
4804.142	31.5	10.4	1.0	35.0	3.0	0.0	Horz	AV	0.0	41.9	54.0	-12.1	Mode 1, Low Ch. 2402MHz, EUT On Side
4960.150	30.0	10.9	1.0	30.0	3.0	0.0	Vert	AV	0.0	40.9	54.0	-13.1	Mode 1, High Ch. 2480MHz, EUT On Side
4852.042	28.6	10.6	1.0	314.0	3.0	0.0	Vert	AV	0.0	39.2	54.0	-14.8	Mode 1, Mid Ch. 2426MHz, EUT On Side
7439.275	40.0	19.2	1.6	254.0	3.0	0.0	Vert	PK	0.0	59.2	74.0	-14.8	Mode 1, High Ch. 2480MHz, EUT On Side
7277.908	40.1	18.7	1.5	47.0	3.0	0.0	Horz	PK	0.0	58.8	74.0	-15.2	Mode 1, Mid Ch. 2426MHz, EUT On Side
7439.500	39.6	19.2	1.0	208.0	3.0	0.0	Horz	PK	0.0	58.8	74.0	-15.2	Mode 3, High Ch. 2480MHz, EUT On Side
7325.233	39.6	18.9	1.0	207.0	3.0	0.0	Vert	PK	0.0	58.5	74.0	-15.5	Mode 2, Mid Ch. 2442MHz, EUT On Side

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
7278.675	39.6	18.7	1.0	30.0	3.0	0.0	Vert	PK	0.0	58.3	74.0	-15.7	Mode 1, Mid Ch. 2426MHz, EUT On Side
7433.317	39.1	19.2	1.1	321.0	3.0	0.0	Vert	PK	0.0	58.3	74.0	-15.7	Mode 2, High Ch. 2478MHz, EUT On Side
7433.292	39.1	19.2	1.7	186.0	3.0	0.0	Horz	PK	0.0	58.3	74.0	-15.7	Mode 2, High Ch. 2478MHz, EUT On Side
7322.383	39.3	18.9	1.6	214.0	3.0	0.0	Horz	PK	0.0	58.2	74.0	-15.8	Mode 3, Mid Ch. 2441MHz, EUT On Side
7439.583	38.9	19.2	1.0	81.0	3.0	0.0	Vert	PK	0.0	58.1	74.0	-15.9	Mode 3, High Ch. 2480MHz, EUT On Side
7325.142	38.9	18.9	1.0	110.0	3.0	0.0	Horz	PK	0.0	57.8	74.0	-16.2	Mode 2, Mid Ch. 2442MHz, EUT On Side
7323.483	38.8	18.9	1.0	223.0	3.0	0.0	Vert	PK	0.0	57.7	74.0	-16.3	Mode 3, Mid Ch. 2441MHz, EUT On Side
7440.283	37.3	19.2	1.0	153.0	3.0	0.0	Horz	PK	0.0	56.5	74.0	-17.5	Mode 1, High Ch. 2480MHz, EUT On Side
12010.810	38.0	-6.8	1.0	49.0	3.0	0.0	Horz	AV	0.0	31.2	54.0	-22.8	Mode 3, Low Ch. 2402MHz, EUT On Side
4960.142	40.2	10.9	1.3	202.0	3.0	0.0	Vert	PK	0.0	51.1	74.0	-22.9	Mode 3, High Ch. 2480MHz, EUT On Side
4960.808	39.7	10.9	1.8	303.0	3.0	0.0	Horz	PK	0.0	50.6	74.0	-23.4	Mode 1, High Ch. 2480MHz, EUT On Side
4955.792	39.7	10.9	1.2	246.0	3.0	0.0	Horz	PK	0.0	50.6	74.0	-23.4	Mode 2, High Ch. 2478MHz, EUT On Side
4881.117	39.9	10.7	1.3	41.0	3.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	Mode 3, Mid Ch. 2441MHz, EUT On Side
4804.850	40.1	10.4	1.1	6.0	3.0	0.0	Vert	PK	0.0	50.5	74.0	-23.5	Mode 1, Low Ch. 2402MHz, EUT On Side
4955.608	39.6	10.9	1.1	15.0	3.0	0.0	Vert	PK	0.0	50.5	74.0	-23.5	Mode 2, High Ch. 2478MHz, EUT On Side
4808.758	39.8	10.5	1.1	252.0	3.0	0.0	Vert	PK	0.0	50.3	74.0	-23.7	Mode 2, Low Ch. 2404MHz, EUT On Side
4851.625	39.6	10.6	1.0	55.0	3.0	0.0	Horz	PK	0.0	50.2	74.0	-23.8	Mode 1, Mid Ch. 2426MHz, EUT On Side
4884.533	39.5	10.7	1.3	40.0	3.0	0.0	Vert	PK	0.0	50.2	74.0	-23.8	Mode 2, Mid Ch. 2442MHz, EUT On Side
4804.300	39.7	10.4	1.0	212.0	3.0	0.0	Vert	PK	0.0	50.1	74.0	-23.9	Mode 3, Low Ch. 2402MHz, EUT On Side
4883.375	39.3	10.7	1.3	243.0	3.0	0.0	Horz	PK	0.0	50.0	74.0	-24.0	Mode 2, Mid Ch. 2442MHz, EUT On Side
4803.667	39.5	10.4	1.7	251.0	3.0	0.0	Horz	PK	0.0	49.9	74.0	-24.1	Mode 3, Low Ch. 2402MHz, EUT On Side
12131.340	35.4	-5.5	1.0	49.0	3.0	0.0	Horz	AV	0.0	29.9	54.0	-24.1	Mode 1, Mid Ch. 2426MHz, EUT On Side
4803.392	39.4	10.4	1.0	35.0	3.0	0.0	Horz	PK	0.0	49.8	74.0	-24.2	Mode 1, Low Ch. 2402MHz, EUT On Side
4882.067	39.1	10.7	1.2	236.0	3.0	0.0	Horz	PK	0.0	49.8	74.0	-24.2	Mode 3, Mid Ch. 2441MHz, EUT On Side
4807.508	39.2	10.5	1.0	33.0	3.0	0.0	Horz	PK	0.0	49.7	74.0	-24.3	Mode 2, Low Ch. 2404MHz, EUT On Side
4960.217	38.5	10.9	1.0	137.0	3.0	0.0	Horz	PK	0.0	49.4	74.0	-24.6	Mode 3, High Ch. 2480MHz, EUT On Side
12010.960	35.8	-6.8	1.0	0.0	3.0	0.0	Horz	AV	0.0	29.0	54.0	-25.0	Mode 3, Low Ch. 2402MHz, EUT Horz
4959.625	37.7	10.9	1.0	30.0	3.0	0.0	Vert	PK	0.0	48.6	74.0	-25.4	Mode 1, High Ch. 2480MHz, EUT On Side
4852.025	37.9	10.6	1.0	314.0	3.0	0.0	Vert	PK	0.0	48.5	74.0	-25.5	Mode 1, Mid Ch. 2426MHz, EUT On Side
12399.250	30.5	-2.6	1.0	49.0	3.0	0.0	Horz	AV	0.0	27.9	54.0	-26.1	Mode 3, High Ch. 2480MHz, EUT On Side
12205.800	32.5	-4.7	1.0	229.0	3.0	0.0	Horz	AV	0.0	27.8	54.0	-26.2	Mode 3, Mid Ch. 2441MHz, EUT On Side
12010.880	34.6	-6.8	1.0	114.0	3.0	0.0	Vert	AV	0.0	27.8	54.0	-26.2	Mode 3, Low Ch. 2402MHz, EUT On Side
12011.290	34.5	-6.8	1.0	227.0	3.0	0.0	Horz	AV	0.0	27.7	54.0	-26.3	Mode 1, Low Ch. 2402MHz, EUT On Side
12021.300	34.3	-6.7	1.0	228.0	3.0	0.0	Horz	AV	0.0	27.6	54.0	-26.4	Mode 2, Low Ch. 2404MHz, EUT On Side
12131.380	33.1	-5.5	1.4	110.0	3.0	0.0	Vert	AV	0.0	27.6	54.0	-26.4	Mode 1, Mid Ch. 2426MHz, EUT On Side
12398.930	30.1	-2.6	1.0	49.0	3.0	0.0	Horz	AV	0.0	27.5	54.0	-26.5	Mode 1, High Ch. 2480MHz, EUT On Side
12010.880	34.0	-6.8	1.0	47.0	3.0	0.0	Horz	AV	0.0	27.2	54.0	-26.8	Mode 3, Low Ch. 2402MHz, EUT Vert
12010.920	33.9	-6.8	1.3	54.0	3.0	0.0	Vert	AV	0.0	27.1	54.0	-26.9	Mode 3, Low Ch. 2402MHz, EUT Vert
12208.880	31.2	-4.7	1.0	47.0	3.0	0.0	Horz	AV	0.0	26.5	54.0	-27.5	Mode 2, Mid Ch. 2402MHz, EUT On Side
12391.200	29.0	-2.7	1.0	48.0	3.0	0.0	Horz	AV	0.0	26.3	54.0	-27.7	Mode 2, High Ch. 2478MHz, EUT On Side
12398.980	28.8	-2.6	1.0	122.0	3.0	0.0	Vert	AV	0.0	26.2	54.0	-27.8	Mode 1, High Ch. 2480MHz, EUT On Side
12399.400	28.5	-2.6	1.0	33.0	3.0	0.0	Vert	AV	0.0	25.9	54.0	-28.1	Mode 3, High Ch. 2480MHz, EUT On Side
12021.380	32.3	-6.7	1.4	214.0	3.0	0.0	Vert	AV	0.0	25.6	54.0	-28.4	Mode 2, Low Ch. 2404MHz, EUT On Side
12205.650	30.3	-4.7	1.0	319.0	3.0	0.0	Vert	AV	0.0	25.6	54.0	-28.4	Mode 3, Mid Ch. 2441MHz, EUT On Side
12388.910	28.3	-2.7	1.0	75.0	3.0	0.0	Vert	AV	0.0	25.6	54.0	-28.4	Mode 2, High Ch. 2478MHz, EUT On Side
12011.330	31.7	-6.8	1.0	321.0	3.0	0.0	Vert	AV	0.0	24.9	54.0	-29.1	Mode 1, Low Ch. 2402MHz, EUT On Side
12208.880	29.3	-4.7	1.0	47.0	3.0	0.0	Vert	AV	0.0	24.6	54.0	-29.4	Mode 2, Mid Ch. 2442MHz, EUT On Side
12009.370	45.6	-6.8	1.0	49.0	3.0	0.0	Horz	PK	0.0	38.8	74.0	-35.2	Mode 3, Low Ch. 2402MHz, EUT On Side
12128.820	44.1	-5.5	1.0	49.0	3.0	0.0	Horz	PK	0.0	38.6	74.0	-35.4	Mode 1, Mid Ch. 2426MHz, EUT On Side
12011.170	44.5	-6.8	1.0	0.0	3.0	0.0	Horz	PK	0.0	37.7	74.0	-36.3	Mode 3, Low Ch. 2402MHz, EUT Horz
12399.790	40.1	-2.6	1.0	49.0	3.0	0.0	Horz	PK	0.0	37.5	74.0	-36.5	Mode 3, High Ch. 2480MHz, EUT On Side
12399.450	40.0	-2.6	1.0	49.0	3.0	0.0	Horz	PK	0.0	37.4	74.0	-36.6	Mode 1, High Ch. 2480MHz, EUT On Side
12129.480	42.8	-5.5	1.4	110.0	3.0	0.0	Vert	PK	0.0	37.3	74.0	-36.7	Mode 1, Mid Ch. 2426MHz, EUT On Side
12205.980	41.9	-4.7	1.0	229.0	3.0	0.0	Horz	PK	0.0	37.2	74.0	-36.8	Mode 3, Mid Ch. 2441MHz, EUT On Side
12009.990	43.7	-6.8	1.0	227.0	3.0	0.0	Horz	PK	0.0	36.9	74.0	-37.1	Mode 1, Low Ch. 2402MHz, EUT On Side
12018.590	43.5	-6.7	1.0	228.0	3.0	0.0	Horz	PK	0.0	36.8	74.0	-37.2	Mode 2, Low Ch. 2404MHz, EUT On Side
12397.930	39.3	-2.6	1.0	33.0	3.0	0.0	Vert	PK	0.0	36.7	74.0	-37.3	Mode 3, High Ch. 2480MHz, EUT On Side
12389.550	39.3	-2.7	1.0	75.0	3.0	0.0	Vert	PK	0.0	36.6	74.0	-37.4	Mode 2, High Ch. 2478MHz, EUT On Side
12008.930	43.4	-6.8	1.0	114.0	3.0	0.0	Vert	PK	0.0	36.6	74.0	-37.4	Mode 3, Low Ch. 2402MHz, EUT On Side
12391.050	39.2	-2.7	1.0	48.0	3.0	0.0	Horz	PK	0.0	36.5	74.0	-37.5	Mode 2, High Ch. 2478MHz, EUT On Side
12211.400	41.1	-4.6	1.0	47.0	3.0	0.0	Horz	PK	0.0	36.5	74.0	-37.5	Mode 2, Mid Ch. 2442MHz, EUT On Side
12009.110	43.2	-6.8	1.3	54.0	3.0	0.0	Vert	PK	0.0	36.4	74.0	-37.6	Mode 3, Low Ch. 2402MHz, EUT Vert
12010.400	43.1	-6.8	1.0	47.0	3.0	0.0	Horz	PK	0.0	36.3	74.0	-37.7	Mode 3, Low Ch. 2402MHz, EUT Vert
12398.560	38.6	-2.6	1.0	122.0	3.0	0.0	Vert	PK	0.0	36.0	74.0	-38.0	Mode 1, High Ch. 2480MHz, EUT On Side
12018.770	42.7	-6.7	1.4	214.0	3.0	0.0	Vert	PK	0.0	36.0	74.0	-38.0	Mode 2, Low Ch. 2404MHz, EUT On Side
12211.140	40.6	-4.6	1.0	47.0	3.0	0.0	Vert	PK	0.0	36.0	74.0	-38.0	Mode 2, Mid Ch. 2442MHz, EUT On Side
12008.930	42.0	-6.8	1.0	321.0	3.0	0.0	Vert	PK	0.0	35.2	74.0	-38.8	Mode 1, Low Ch. 2402MHz, EUT On Side
12204.460	39.7	-4.7	1.0	319.0	3.0	0.0	Vert	PK	0.0	35.0	74.0	-39.0	Mode 3, Mid Ch. 2441MHz, EUT On Side

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

Mode 1, Low Ch. 2402MHz

Mode 1, Mid Ch. 2426MHz

Mode 1, High Ch. 2480MHz

Mode 2, Low Ch. 2404MHz

Mode 2, Mid Ch. 2442MHz

Mode 2, High Ch. 2478MHz

Mode 3, Low Ch. 2402MHz

Mode 3, Mid Ch. 2441MHz

Mode 3, High Ch. 2480MHz

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

GARI0007 - 3

FREQUENCY RANGE INVESTIGATED

Start Frequency 2400 MHz

Stop Frequency 2483.5 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
EV01 Cables	N/A	Double Ridge Horn Cables	EVB	9/2/2013	12 mo
Spectrum Analyzer	Agilent	E4446A	AAQ	2/7/2012	36 mo
Antenna, Horn	ETS	3115	AIZ	1/24/2011	36 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

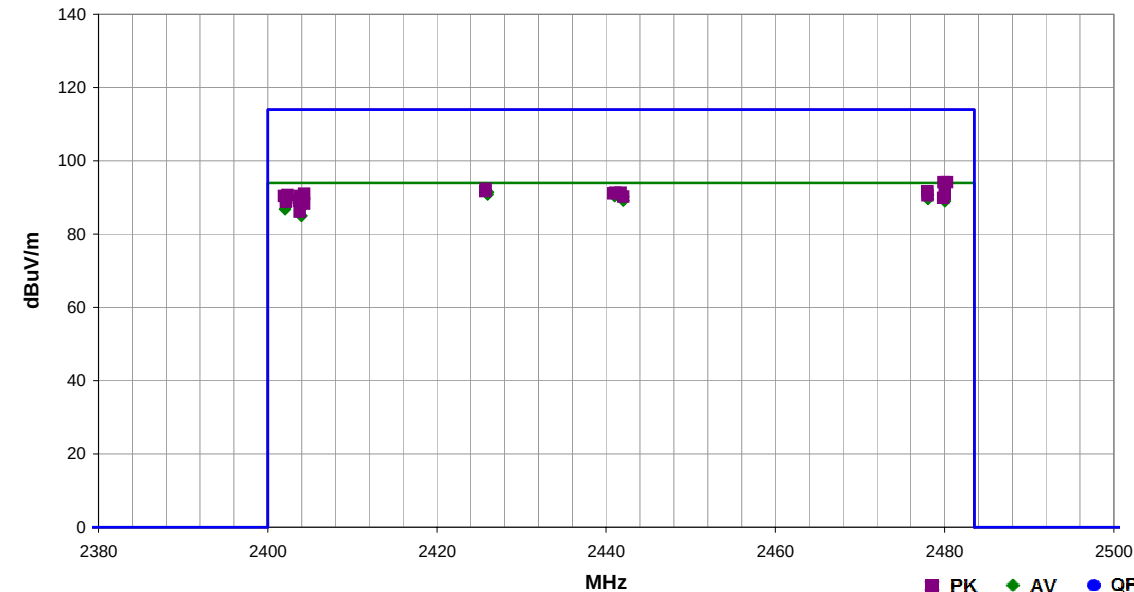
TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT and EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009).

Work Order:	GARI0007	Date:	01/08/14		
Project:	None	Temperature:	21.6 °C		
Job Site:	EV01	Humidity:	36.9% RH		
Serial Number:	XLR2 UUT3	Barometric Pres.:	1015 mbar	Tested by:	Brandon Hobbs, Jared Ison
EUT:	N5				
Configuration:	3				
Customer:	Dynastream Innovations, Inc.				
Attendees:	None				
EUT Power:	Battery				
Operating Mode:	TX				
Deviations:	None				
Comments:	Please reference the data comments for EUT orientation, data type and frequency.				

Test Specifications	Test Method
FCC 15.249:2014 RSS-210:2010	ANSI C63.10:2009 RSS-Gen:2010

Run #	4	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2480.030	58.8	34.7	1.0	290.0	3.0	0.0	Horz	AV	0.0	93.5	94.0	-0.5	Mode 3, High Ch. 2480MHz, Horz
2480.025	58.6	34.7	1.0	114.0	3.0	0.0	Horz	AV	0.0	93.3	94.0	-0.7	Mode 1, High Ch. 2480MHz, Horz
2426.025	57.0	34.4	1.0	147.0	3.0	0.0	Horz	AV	0.0	91.4	94.0	-2.6	Mode 1, Mid Ch. 2426MHz, Horz
2426.005	56.4	34.4	1.0	87.0	3.0	0.0	Vert	AV	0.0	90.8	94.0	-3.2	Mode 1, Mid Ch. 2426MHz, Vert
2478.020	56.0	34.7	1.0	295.0	3.0	0.0	Horz	AV	0.0	90.7	94.0	-3.3	Mode 2, High Ch. 2478MHz, Horz
2441.020	56.1	34.5	1.0	96.0	3.0	0.0	Vert	AV	0.0	90.6	94.0	-3.4	Mode 3, Mid Ch. 2441MHz, Vert
2441.020	55.9	34.5	1.0	144.0	3.0	0.0	Horz	AV	0.0	90.4	94.0	-3.6	Mode 3, Mid Ch. 2441MHz, Horz
2480.000	55.5	34.7	1.0	87.0	3.0	0.0	Vert	AV	0.0	90.2	94.0	-3.8	Mode 3, High Ch. 2480MHz, Vert
2442.020	55.7	34.5	0.9	163.0	3.0	0.0	Horz	AV	0.0	90.2	94.0	-3.8	Mode 2, Mid Ch. 2442MHz, Horz
2404.030	55.8	34.3	1.2	271.0	3.0	0.0	Vert	AV	0.0	90.1	94.0	-3.9	Mode 2, Low Ch. 2404MHz, Vert
2402.025	55.5	34.3	1.2	273.0	3.0	0.0	Vert	AV	0.0	89.8	94.0	-4.2	Mode 1, Low Ch. 2402MHz, Vert
2402.040	55.4	34.3	1.0	332.0	3.0	0.0	Horz	AV	0.0	89.7	94.0	-4.3	Mode 3, Low Ch. 2402MHz, Horz
2478.042	54.9	34.7	1.2	105.0	3.0	0.0	Vert	AV	0.0	89.6	94.0	-4.4	Mode 2, High Ch. 2478MHz, Vert
2404.010	55.1	34.3	1.8	131.0	3.0	0.0	Horz	AV	0.0	89.4	94.0	-4.6	Mode 2, Low Ch. 2404MHz, Horz
2442.025	54.7	34.5	1.0	132.0	3.0	0.0	Vert	AV	0.0	89.2	94.0	-4.8	Mode 2, Mid Ch. 2442MHz, Vert
2404.005	54.9	34.3	1.3	111.0	3.0	0.0	Horz	AV	0.0	89.2	94.0	-4.8	Mode 2, Low Ch. 2404MHz, On Side
2402.050	54.8	34.3	1.0	36.0	3.0	0.0	Vert	AV	0.0	89.1	94.0	-4.9	Mode 3, Low Ch. 2402MHz, Vert
2480.050	54.3	34.7	1.4	217.0	3.0	0.0	Vert	AV	0.0	89.0	94.0	-5.0	Mode 1, High Ch. 2480MHz, Vert
2404.025	53.8	34.3	1.1	271.0	3.0	0.0	Vert	AV	0.0	88.1	94.0	-5.9	Mode 2, Low Ch. 2404MHz, On Side
2404.010	53.0	34.3	1.0	277.0	3.0	0.0	Horz	AV	0.0	87.3	94.0	-6.7	Mode 2, Low Ch. 2404MHz, Vert
2402.030	52.5	34.3	1.0	302.0	3.0	0.0	Horz	AV	0.0	86.8	94.0	-7.2	Mode 1, Low Ch. 2402MHz, Horz
2403.995	50.7	34.3	1.3	91.0	3.0	0.0	Vert	AV	0.0	85.0	94.0	-9.0	Mode 2, Low Ch. 2404MHz, Horz
2480.285	59.4	34.7	1.0	114.0	3.0	0.0	Horz	PK	0.0	94.1	114.0	-19.9	Mode 1, High Ch. 2480MHz, Horz
2479.885	59.4	34.7	1.0	290.0	3.0	0.0	Horz	PK	0.0	94.1	114.0	-19.9	Mode 3, High Ch. 2480MHz, Horz
2425.780	57.9	34.4	1.0	147.0	3.0	0.0	Horz	PK	0.0	92.3	114.0	-21.7	Mode 1, Mid Ch. 2426MHz, Horz
2425.740	57.3	34.4	1.0	87.0	3.0	0.0	Vert	PK	0.0	91.7	114.0	-22.3	Mode 1, Mid Ch. 2426MHz, Vert
2477.985	56.9	34.7	1.0	295.0	3.0	0.0	Horz	PK	0.0	91.6	114.0	-22.4	Mode 2, High Ch. 2478MHz, Horz
2441.725	56.8	34.5	0.9	163.0	3.0	0.0	Horz	PK	0.0	91.3	114.0	-22.7	Mode 2, Mid Ch. 2442MHz, 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
2441.080	56.8	34.5	1.0	96.0	3.0	0.0	Vert	PK	0.0	91.3	114.0	-22.7	Mode 3, Mid Ch. 2441MHz, Vert
2440.860	56.6	34.5	1.0	144.0	3.0	0.0	Horz	PK	0.0	91.1	114.0	-22.9	Mode 3, Mid Ch. 2441MHz, Horz
2404.320	56.7	34.3	1.2	271.0	3.0	0.0	Vert	PK	0.0	91.0	114.0	-23.0	Mode 2, Low Ch. 2404MHz, Vert
2480.035	56.2	34.7	1.0	87.0	3.0	0.0	Vert	PK	0.0	90.9	114.0	-23.1	Mode 3, High Ch. 2480MHz, Vert
2402.340	56.4	34.3	1.2	273.0	3.0	0.0	Vert	PK	0.0	90.7	114.0	-23.3	Mode 1, Low Ch. 2402MHz, Vert
2478.000	55.9	34.7	1.2	105.0	3.0	0.0	Vert	PK	0.0	90.6	114.0	-23.4	Mode 2, High Ch. 2478MHz, Vert
2403.795	56.1	34.3	1.8	131.0	3.0	0.0	Horz	PK	0.0	90.4	114.0	-23.6	Mode 2, Low Ch. 2404MHz, Horz
2401.935	56.1	34.3	1.0	332.0	3.0	0.0	Horz	PK	0.0	90.4	114.0	-23.6	Mode 3, Low Ch. 2402MHz, Horz
2442.020	55.7	34.5	1.0	132.0	3.0	0.0	Vert	PK	0.0	90.2	114.0	-23.8	Mode 2, Mid Ch. 2442MHz, Vert
2404.275	55.8	34.3	1.3	111.0	3.0	0.0	Horz	PK	0.0	90.1	114.0	-23.9	Mode 2, Low Ch. 2404MHz, On Side
2479.835	55.2	34.7	1.4	217.0	3.0	0.0	Vert	PK	0.0	89.9	114.0	-24.1	Mode 1, High Ch. 2480MHz, Vert
2402.215	55.6	34.3	1.0	36.0	3.0	0.0	Vert	PK	0.0	89.9	114.0	-24.1	Mode 3, Low Ch. 2402MHz, Vert
2403.720	54.8	34.3	1.1	271.0	3.0	0.0	Vert	PK	0.0	89.1	114.0	-24.9	Mode 2, Low Ch. 2404MHz, On Side
2402.170	54.5	34.3	1.0	302.0	3.0	0.0	Horz	PK	0.0	88.8	114.0	-25.2	Mode 1, Low Ch. 2402MHz, Horz
2404.310	54.0	34.3	1.0	277.0	3.0	0.0	Horz	PK	0.0	88.3	114.0	-25.7	Mode 2, Low Ch. 2404MHz, Vert
2403.775	51.8	34.3	1.3	91.0	3.0	0.0	Vert	PK	0.0	86.1	114.0	-27.9	Mode 2, Low Ch. 2404MHz, Horz

99% EMISSION BANDWIDTH

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Attenuator, 6dB	S.M. Electronics	18N-06	AWN	3/25/2013	12
MXG Analog Signal Generator	Agilent	N5181A	TIG	NCR	0
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	5/16/2013	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/5/2012	24

TEST DESCRIPTION

The 99% occupied bandwidth was measured with the EUT configured for continuous modulated operation at its lowest, middle, and highest transmit frequencies. The spectrum analyzer's resolution bandwidth was set to between 1% and 3% of the 20dB bandwidth and the video bandwidth was at least 3 times the resolution bandwidth. A sample detector was used

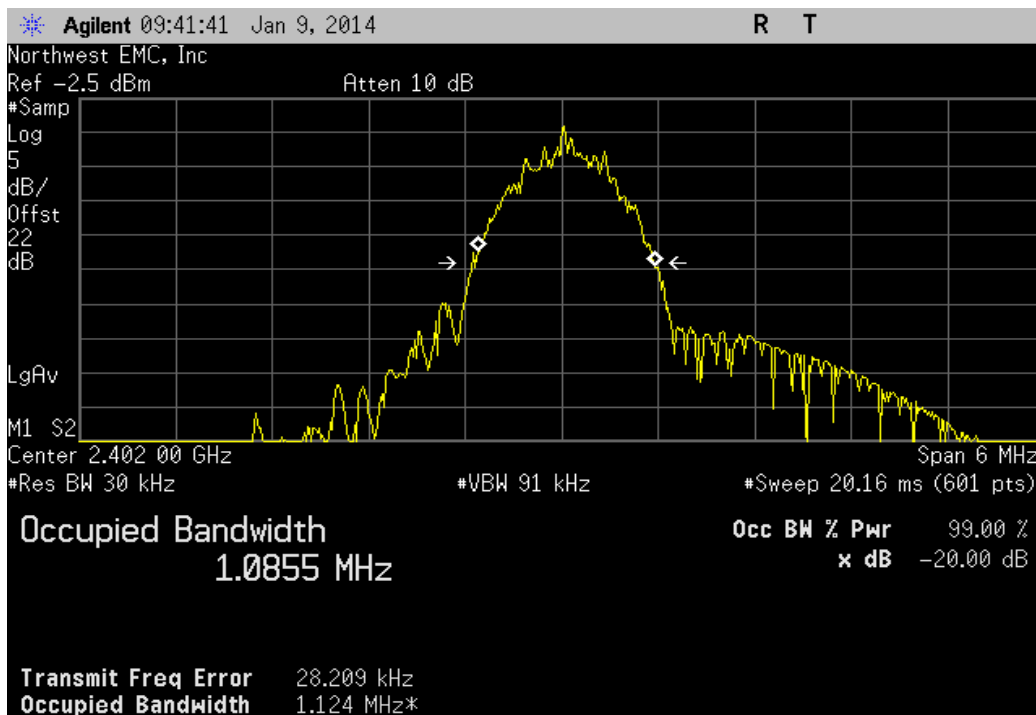


99% EMISSION BANDWIDTH

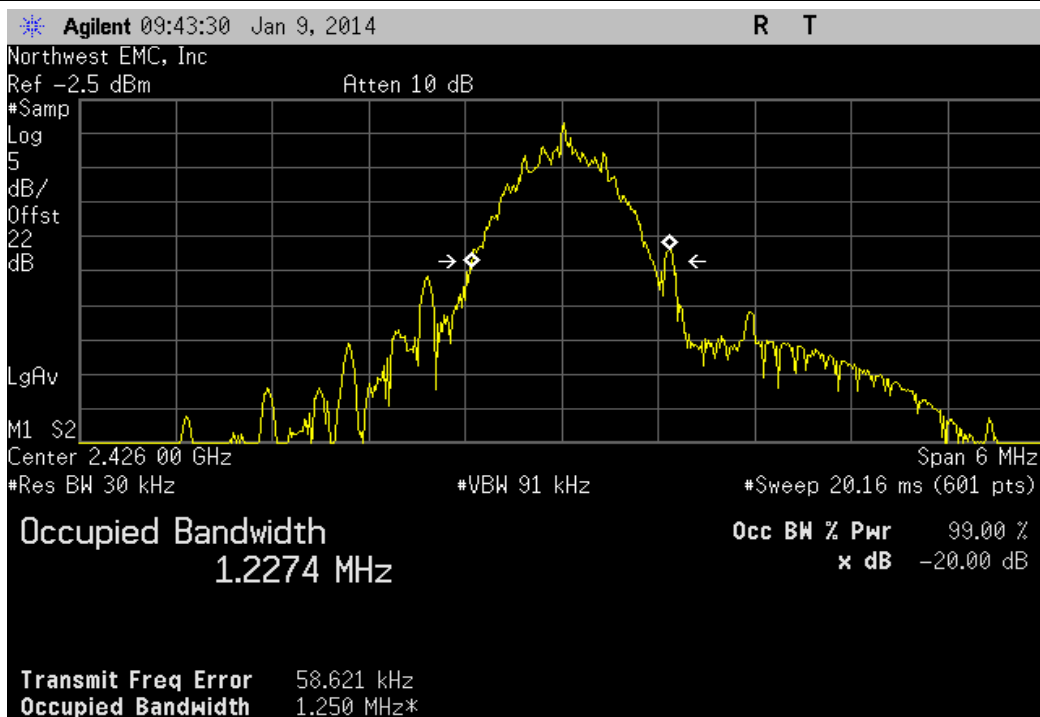
XMit 2013.08.15

EUT: N5		Work Order: GARI0007	
Serial Number: XLR2 UUT4		Date: 01/09/14	
Customer: Dynastream Innovations, Inc.		Temperature: 22.5°C	
Attendees: None		Humidity: 38%	
Project: None		Barometric Pres.: 1018	
Tested by: Brandon Hobbs, Jared Ison		Power: Internal Battery	
		Job Site: EV06	
TEST SPECIFICATIONS			
RSS-Gen:2010		Test Method	
RSS-Gen:2010		RSS-Gen:2010	
COMMENTS			
The modes tested were provided by the client			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value	Limit
Mode 1			Result
Low Channel, 2402 MHz		1.09 MHz	N/A
Mid Channel, 2426 MHz		1.23 MHz	N/A
High Channel 2480 MHz		2.2 MHz	N/A
Mode 2			Result
Low Channel, 2404 MHz		1.09 MHz	N/A
Mid Channel, 2442 MHz		1.54 MHz	N/A
High Channel 2478 MHz		2.06 MHz	N/A
Mode 3			Result
Low Channel, 2402 MHz		1.05 MHz	N/A
Mid Channel, 2441 MHz		1.41 MHz	N/A
High Channel 2480 MHz		2.04 MHz	N/A

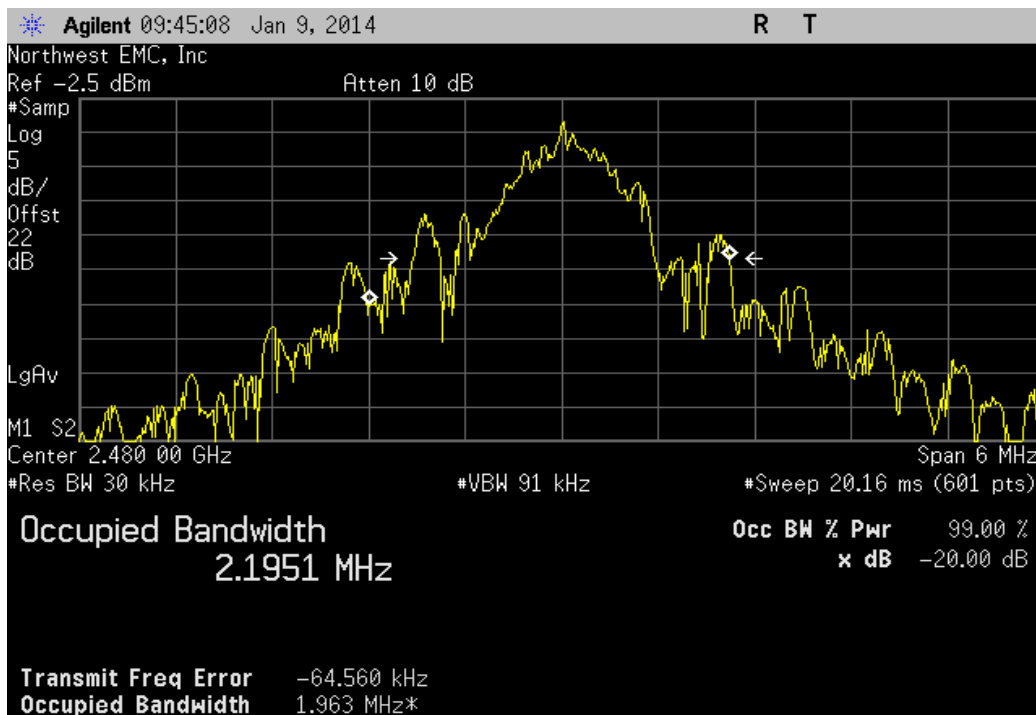
Mode 1, Low Channel, 2402 MHz						
				Value	Limit	Result
				1.09 MHz	N/A	Pass



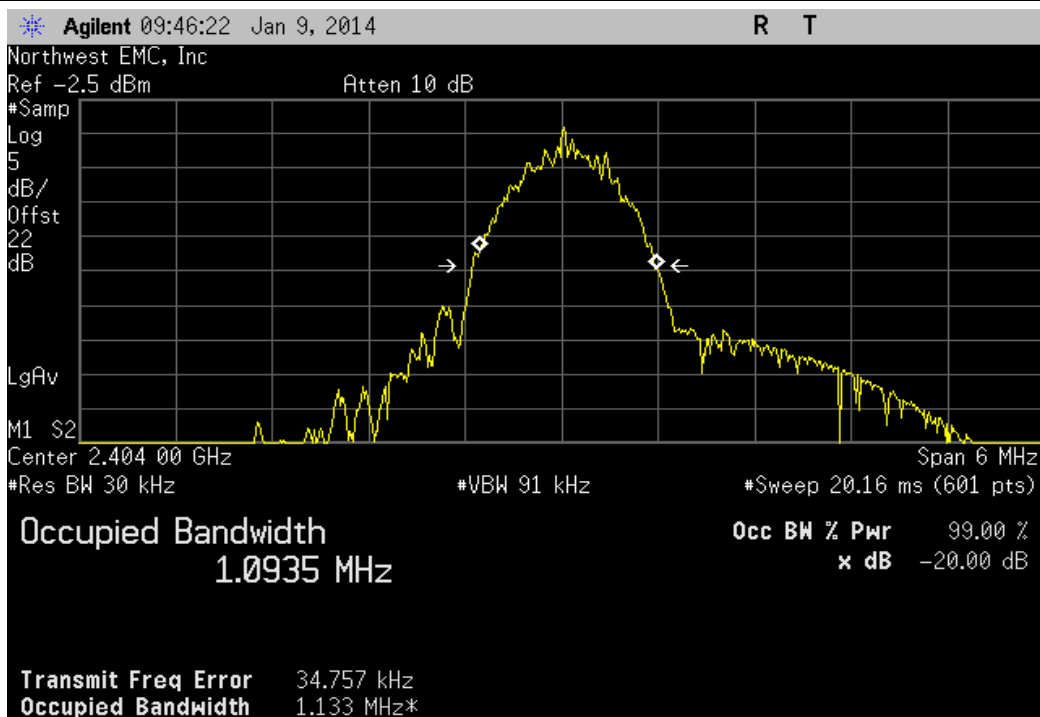
Mode 1, Mid Channel, 2426 MHz						
				Value	Limit	Result
				1.23 MHz	N/A	Pass



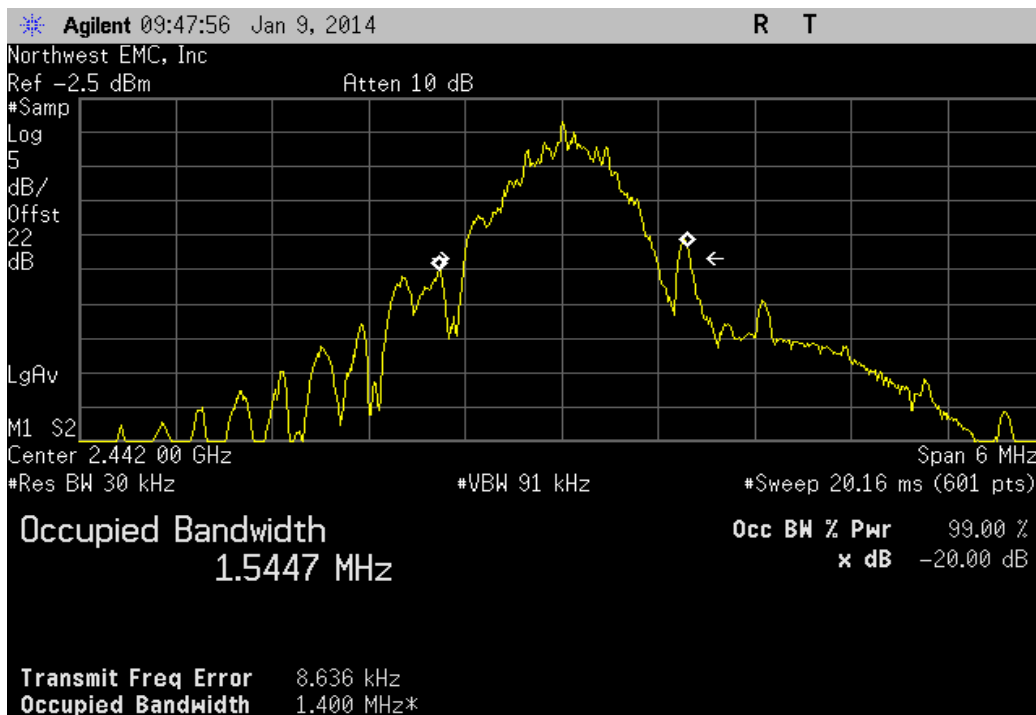
Mode 1, High Channel 2480 MHz						
				Value	Limit	Result
				2.2 MHz	N/A	Pass



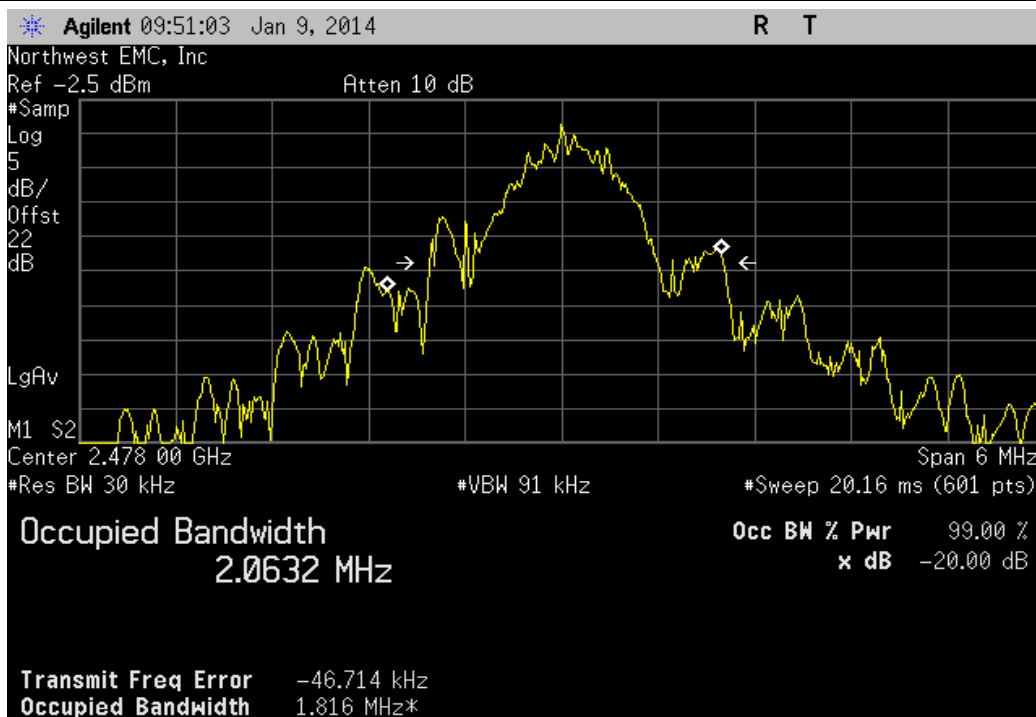
Mode 2, Low Channel, 2404 MHz						
				Value	Limit	Result
				1.09 MHz	N/A	Pass



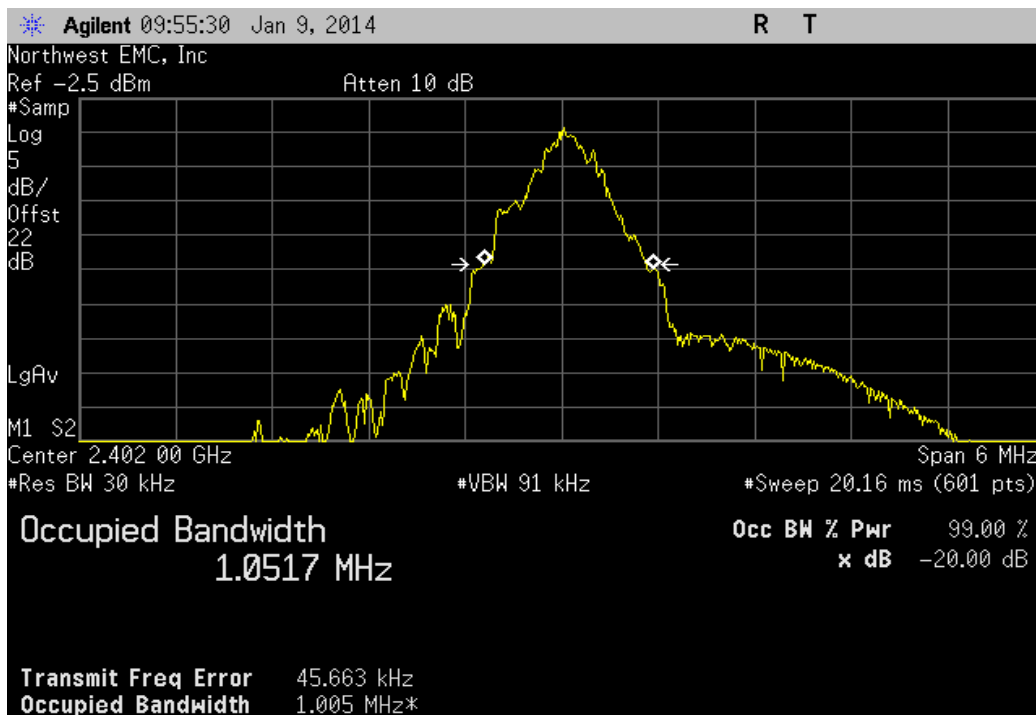
Mode 2, Mid Channel, 2442 MHz						
				Value	Limit	Result
				1.54 MHz	N/A	Pass



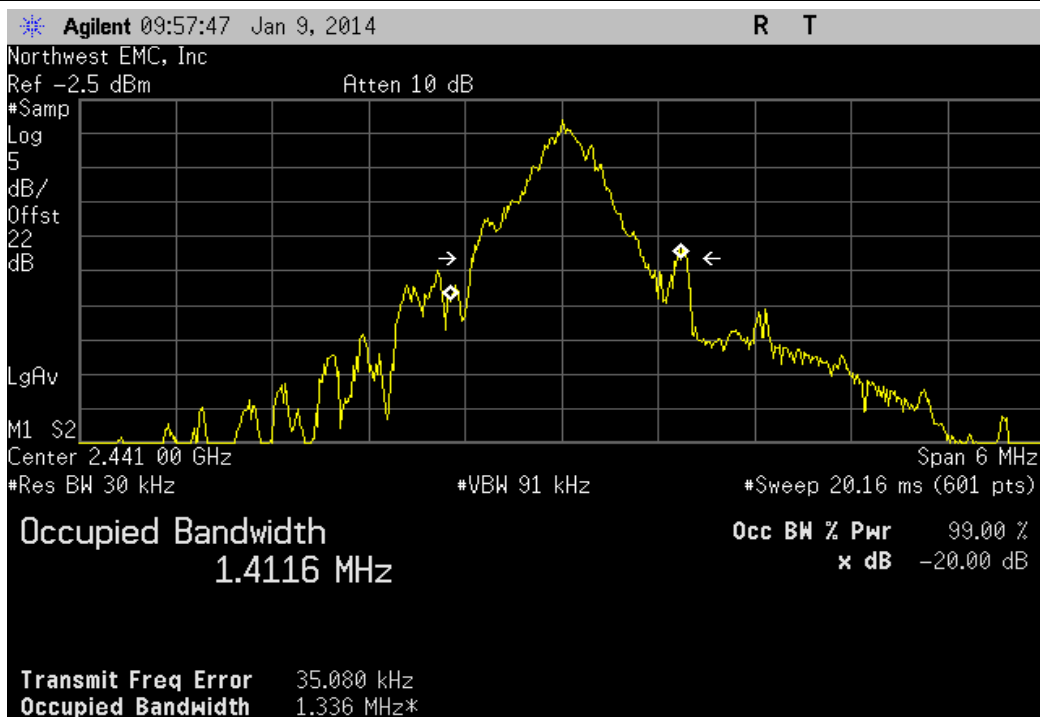
Mode 2, High Channel 2478 MHz						
				Value	Limit	Result
				2.06 MHz	N/A	Pass



Mode 3, Low Channel, 2402 MHz						
				Value	Limit	Result
				1.05 MHz	N/A	Pass



Mode 3, Mid Channel, 2441 MHz						
				Value	Limit	Result
				1.41 MHz	N/A	Pass



Mode 3, High Channel 2480 MHz			
	Value	Limit	Result
	2.04 MHz	N/A	Pass

