

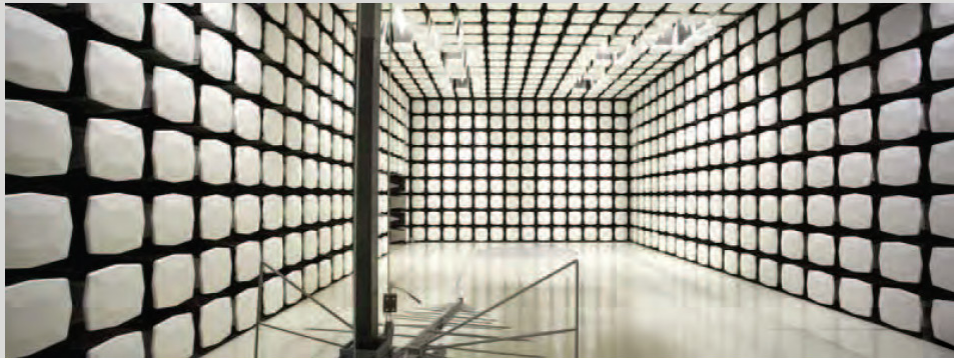


Radio Design Group, Inc.

UV-1G Belt Pack

FCC 74H:2013

Report #: RDIO0001



Report Prepared By Northwest EMC Inc.

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

California – Minnesota – Oregon – New York – Washington

**Last Date of Test: October 11, 2013
Radio Design Group, Inc.
Model: UV-1G Belt Pack**

Emissions

Test Description	Specification	Test Method	Pass/Fail
Output Power	FCC 74H:2013 (FCC 2.1046)	ANSI/TIA/EIA-603-C-2004	Pass
Modulation Characteristics	FCC 74H:2013 (FCC 2.1047)	ANSI/TIA/EIA-603-C-2004	Pass
Occupied Bandwidth	FCC 74H:2013 (FCC 2.1049)	ANSI/TIA/EIA-603-C-2004	Pass
Emission Mask	FCC 74H:2013 (FCC 2.1049)	ANSI/TIA/EIA-603-C-2004	Pass
Spurious Conducted Emissions	FCC 74H:2013 (FCC 2.1051)	ANSI/TIA/EIA-603-C-2004	Pass
Spurious Radiated Emissions	FCC 74H:2013 (FCC 2.1053)	ANSI/TIA/EIA-603-C-2004	Pass
Frequency Stability	FCC 74H:2013 (FCC 2.1055)	ANSI/TIA/EIA-603-C-2004	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.

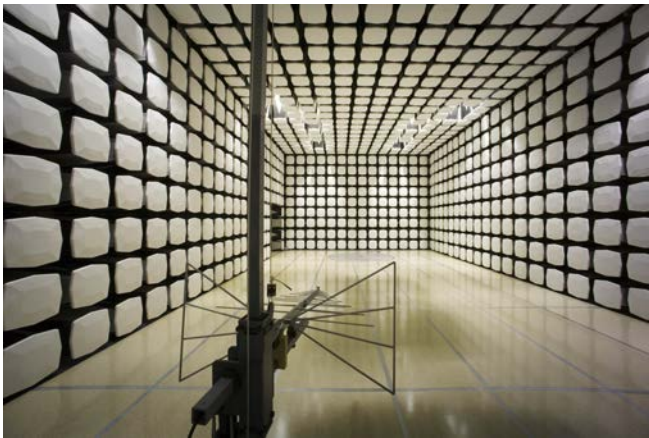
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is listed below. Our measurement 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)	3.80	-3.80
AC Powerline Conducted Emissions (dB)	2.94	-2.94



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





WTD 12.5.23

PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	Radio Design Group, Inc.
Address:	8925 Rogue River Highway
City, State, Zip:	Grants Pass, OR 97527
Test Requested By:	Dennis Haley
Model:	UV-1G Belt Pack
First Date of Test:	October 07, 2013
Last Date of Test:	October 11, 2013
Receipt Date of Samples:	October 07, 2013
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):
Wireless Intercom System Belt Pack
Testing Objective:
To demonstrate compliance with the requirements of FCC Part 74H

Configuration RDIO0001- 1

Software/Firmware Running during test	
Description	Version
Radio Active Designs UV-1G	1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Belt Pack	Radio Design Group, Inc.	UV-1G	113-008

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Remote Laptop	Acer	TravelMate 8200	LXTAX060346090A219EM15
AC/DC Adapter	LITE-ON Technologies, Inc.	PA-1900-04	5Z03016001

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Micro USB Adapter	No	1m	No	Belt Pack	Remote Laptop
AC Power Cable	No	1.2m	No	DC Power Supply	AC mains
AC Power Cable	No	1m	No	AC/DC Power Adapter	AC mains
DC Power Cable	PA	1.5m	PA	Laptop	AC/DC Power Adapter
DC Leads	No	.5m	No	DC Power Supply	Belt Pack
DC Leads	No	.5m	No	DC Power Supply	DMM

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Configuration RDIO0001- 2

Software/Firmware Running during test	
Description	Version
Radio Active Designs UV-1G	1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Belt Pack	Radio Design Group, Inc.	UV-1G	092712-074

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Remote Laptop	Acer	TravelMate 8200	LXTAX060346090A219EM15
AC/DC Adapter	LITE-ON Technologies, Inc.	PA-1900-04	5Z03016001

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
MIC XLR Cable	No	1.2m	No	Belt Pack	Unterminated
AC Power Cable	No	1.2m	No	DC Power Supply	AC mains
AC Power Cable	No	1m	No	AC/DC Power Adapter	AC mains
DC Power Cable	PA	1.5m	PA	Laptop	AC/DC Power Adapter

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Configuration RDIO0001- 4

Software/Firmware Running during test	
Description	Version
Radio Active Designs UV-1G	1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Belt Pack	Radio Design Group, Inc.	UV-1G	113-008

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Remote Laptop	Acer	TravelMate 8200	LXTAX060346090A219EM15
AC/DC Adapter	LITE-ON Technologies, Inc.	PA-1900-04	5Z03016001

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Micro USB Adapter	No	1m	No	Belt Pack	Remote Laptop
AC Power Cable	No	1.2m	No	DC Power Supply	AC mains
AC Power Cable	No	1m	No	AC/DC Power Adapter	AC mains
DC Power Cable	PA	1.5m	PA	Laptop	AC/DC Power Adapter
DC Leads	No	.5m	No	DC Power Supply	Belt Pack
DC Leads	No	.5m	No	DC Power Supply	DMM
MIC XLR to BNC	No	1.1m	No	Belt Pack	Function Generator
BNC Cable	No	1m	No	Function Generator	Oscilloscope

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	10/07/2013	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	10/07/2013	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.
3	10/08/2013	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.
4	10/08/2013	Emission Mask	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	10/10/2013	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.
6	10/11/2013	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.
7	10/11/2013	Modulation Characteristics	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

OUTPUT POWER

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
Power Meter	Gigatronics	8651A	SPM	1/9/2012	24
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
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

Per FCC Part 2.1046, the output power shall be measured at the RF terminal. The peak output power was measured with the EUT set to low, medium and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting on low, mid and high frequencies.



OUTPUT POWER

EUT: UV-1G Belt Pack		Work Order: RDIO0001
Serial Number: 113-008		Date: 10/08/13
Customer: Radio Design Group, Inc		Temperature: 22°C
Attendees: None		Humidity: 41%
Project: None		Barometric Pres.: 1013.1
Tested by: Brandon Hobbs	Power: 7.5 VDC	Job Site: EV06

TEST SPECIFICATIONS		Test Method
FCC 74H:2013		ANSI/TIA/EIA-603-C-2004

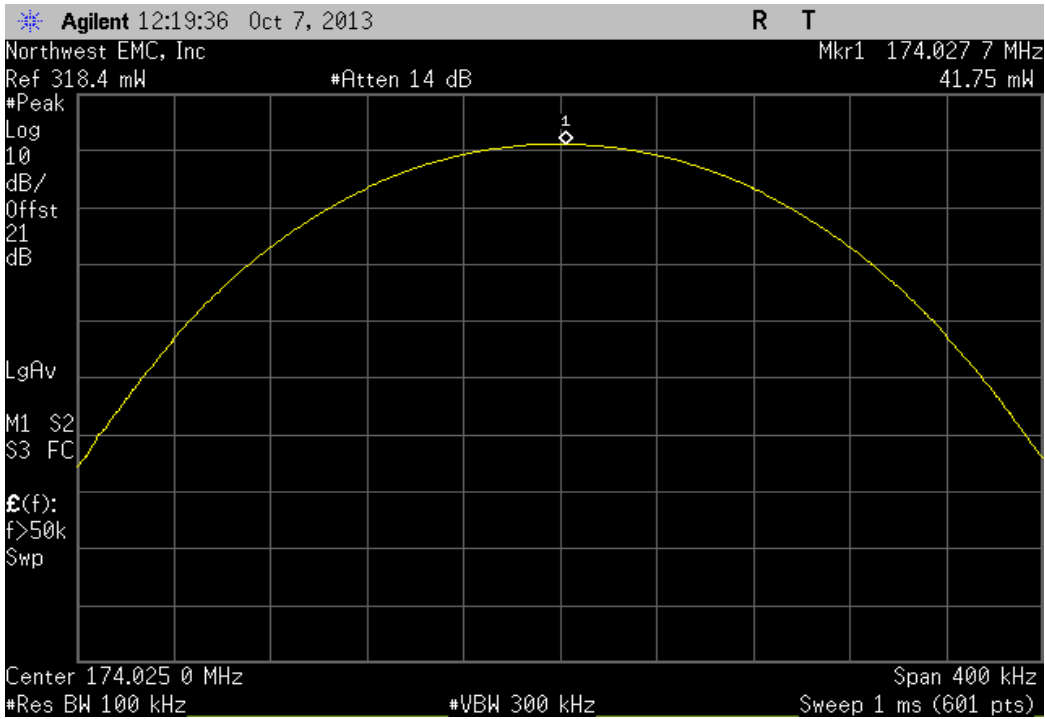
COMMENTS
None

DEVIATIONS FROM TEST STANDARD
None

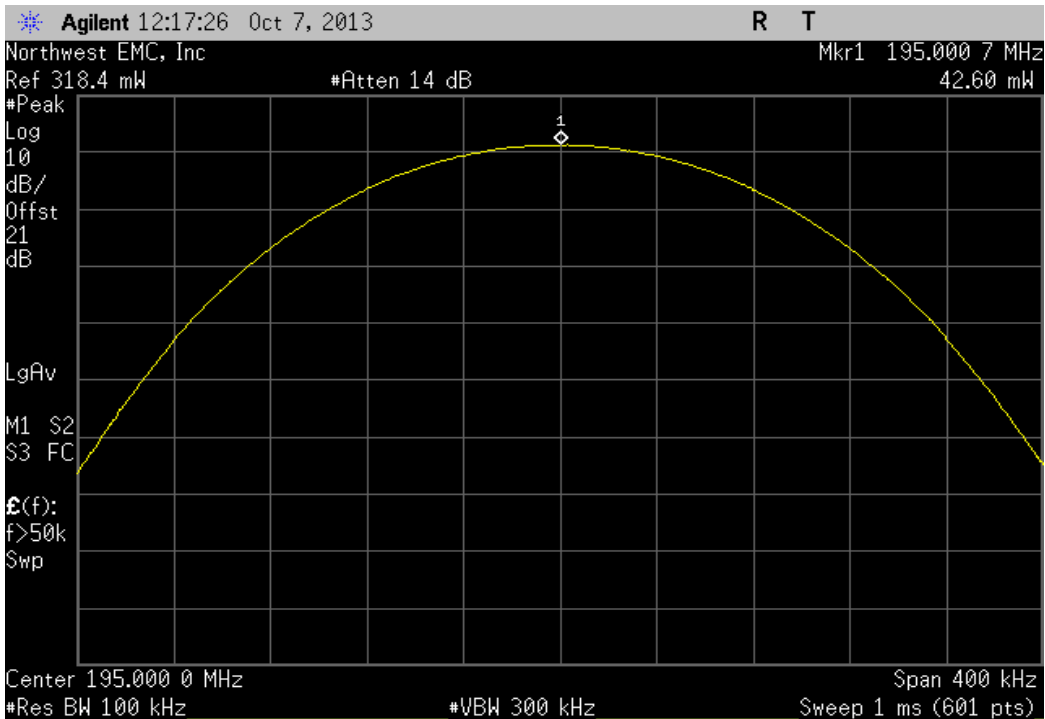
Configuration #	1	Signature 
-----------------	---	---

	Value	Limit	Result
Broadcasting Frequencies			
Low Channel, 174.025 MHz	41.70 mW	50 mW	Pass
Mid Channel, 195 MHz	42.60 mW	50 mW	Pass
High Channel, 215.975 MHz	42.91 mW	50 mW	Pass

Broadcasting Frequencies, Low Channel, 174.025 MHz			
	Value	Limit	Result
	41.70 mW	50 mW	Pass

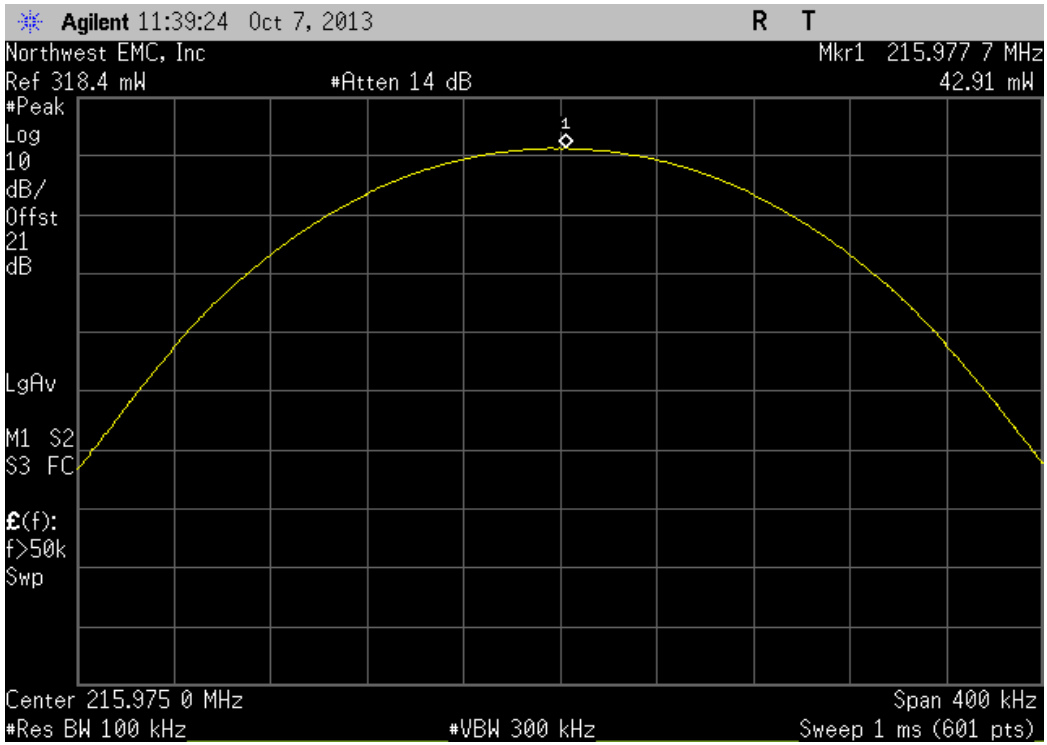


Broadcasting Frequencies, Mid Channel, 195 MHz			
	Value	Limit	Result
	42.60 mW	50 mW	Pass



Broadcasting Frequencies, High Channel, 215.975 MHz

				Value	Limit	Result
				42.91 mW	50 mW	Pass



Modulation Characteristics

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, 20 dB, 'BNC'	SM Electronics	SA01B-20	REZ	12/11/2012	12
Waveform Generator	Agilent	33120A	TEC	NCR	0
oscilloscope (For REFERENCE ONL	Tektronix	TDS 3052	TOF	NCR	0
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
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
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
Power Meter	Gigatronics	8651A	SPM	1/9/2012	24
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36

TEST DESCRIPTION

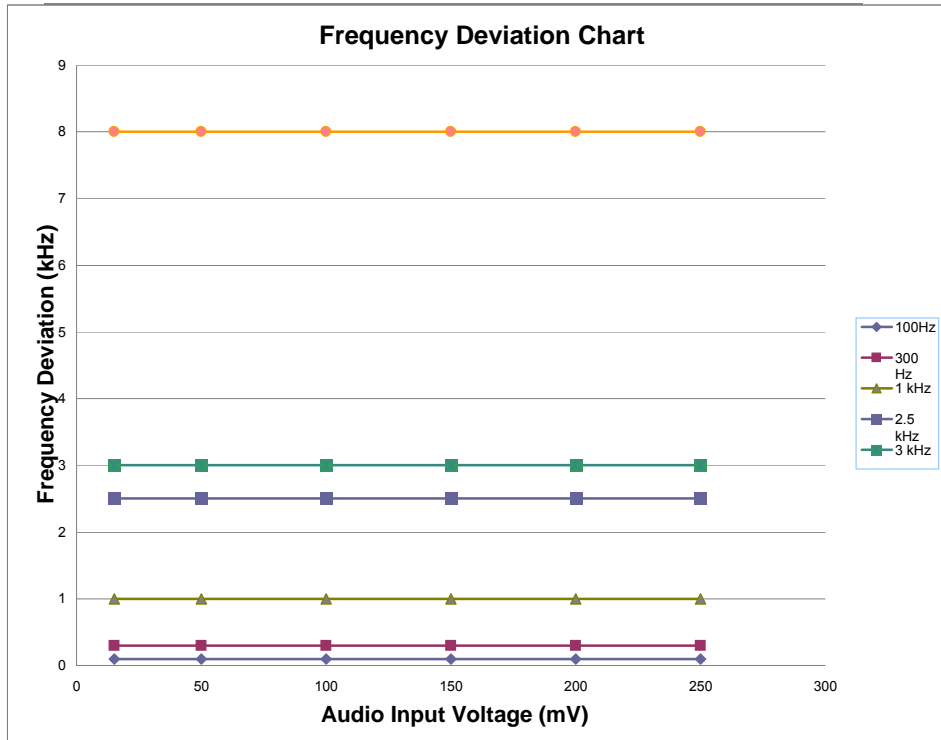
Per FCC rule part 2.1047(a) the modulation characteristics of the radio were measured across its rated audio input voltage and frequency ranges.



Modulation Characteristics

EUT: UV-1G Belt Pack		Work Order: RDIO0001	
Serial Number: 113-008		Date: 10/11/13	
Customer: Radio Design Group, Inc.		Temperature: 22°C	
Attendees: None		Humidity: 41%	
Project: None		Barometric Pres.: 1013.1	
Tested by: Brandon Hobbs		Power: 7.5 VDC	
		Job Site: EV06	
TEST SPECIFICATIONS		Test Method	
FCC 74H:2013		ANSI/TIA/EIA-603-C-2004	
COMMENTS			
None			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature 	
		Deviation (kHz)	Limit
Broadcasting Frequency			Result
Mid Channel, 195 MHz		SEE GRAPH	N/A
			N/A

Broadcasting Frequency, Mid Channel, 195 MHz						
				Deviation (kHz)	Limit	Result
				SEE GRAPH	N/A	N/A



Audio Input Voltage (mV)	Audio Input Frequency					
	100 Hz	300 Hz	1 kHz	2.5 kHz	3 kHz	8 kHz
	Frequency Deviation (kHz)					
15	0.1	0.3	1	2.5	3	8
50	0.1	0.3	1	2.5	3	8
100	0.1	0.3	1	2.5	3	8
150	0.1	0.3	1	2.5	3	8
200	0.1	0.3	1	2.5	3	8
250	0.1	0.3	1	2.5	3	8

Note that the maximum rated audio input voltage is 250 mV

OCCUPIED BANDWIDTH

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Attenuator, 20 dB, 'BNC'	SM Electronics	SA01B-20	REZ	12/11/2012	12
Oscilloscope (For REFERENCE)	Tektronix	TDS 3052	TOF	NCR	0
Waveform Generator	Agilent	33120A	TEC	NCR	0
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Power Meter	Gigatronics	8651A	SPM	1/9/2012	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

Per FCC rule part 74.861(e)(5), the emission bandwidth was determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency with a 2.5kHz tone modulated across the carrier. The points are 26 dB down relative to the maximum level of the modulated carrier. A spectrum analyzer using a peak detector with no video filtering was used with a resolution bandwidth equal to approximately 1-3% percent of the emission bandwidth of the EUT.



OCCUPIED BANDWIDTH

EUT: UV-1G Belt Pack		Work Order: RDIO0001
Serial Number: 113-008		Date: 10/11/13
Customer: Radio Design Group, Inc.		Temperature: 22°C
Attendees: None		Humidity: 41%
Project: None		Barometric Pres.: 1013.1
Tested by: Brandon Hobbs	Power: 7.5 VDC	Job Site: EV06

TEST SPECIFICATIONS		Test Method
FCC 74H:2013		ANSI/TIA/EIA-603-C-2004

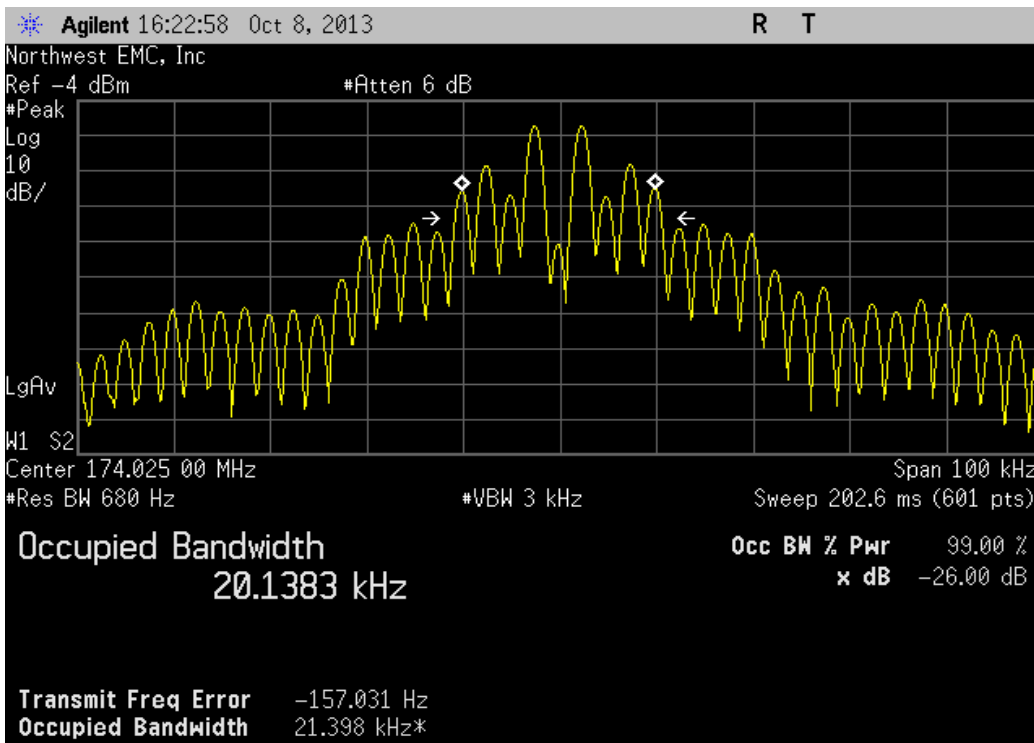
COMMENTS
None

DEVIATIONS FROM TEST STANDARD
None

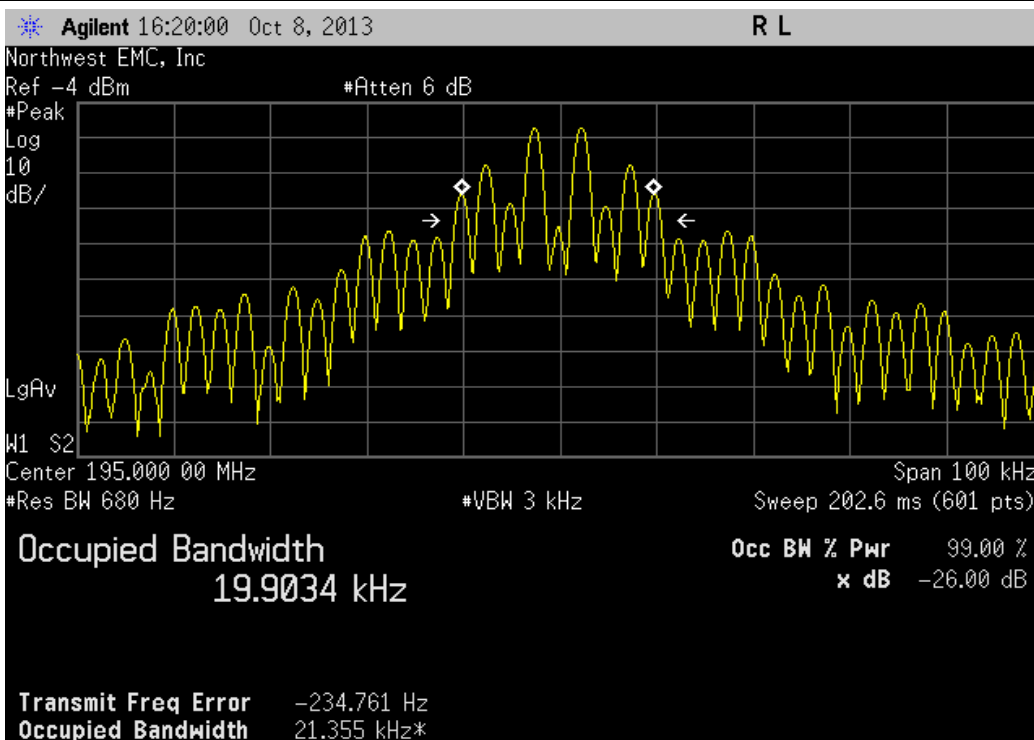
Configuration #	1	Signature 
-----------------	---	---

	Value	Limit	Result
Broadcasting Frequencies			
Low Channel, 174.025 MHz	21.398 kHz	< 200 kHz	Pass
Mid Channel, 195 MHz	21.355 kHz	< 200 kHz	Pass
High Channel, 215.975 MHz	21.788 kHz	< 200 kHz	Pass

Broadcasting Frequencies, Low Channel, 174.025 MHz			
	Value	Limit	Result
	21.398 kHz	< 200 kHz	Pass

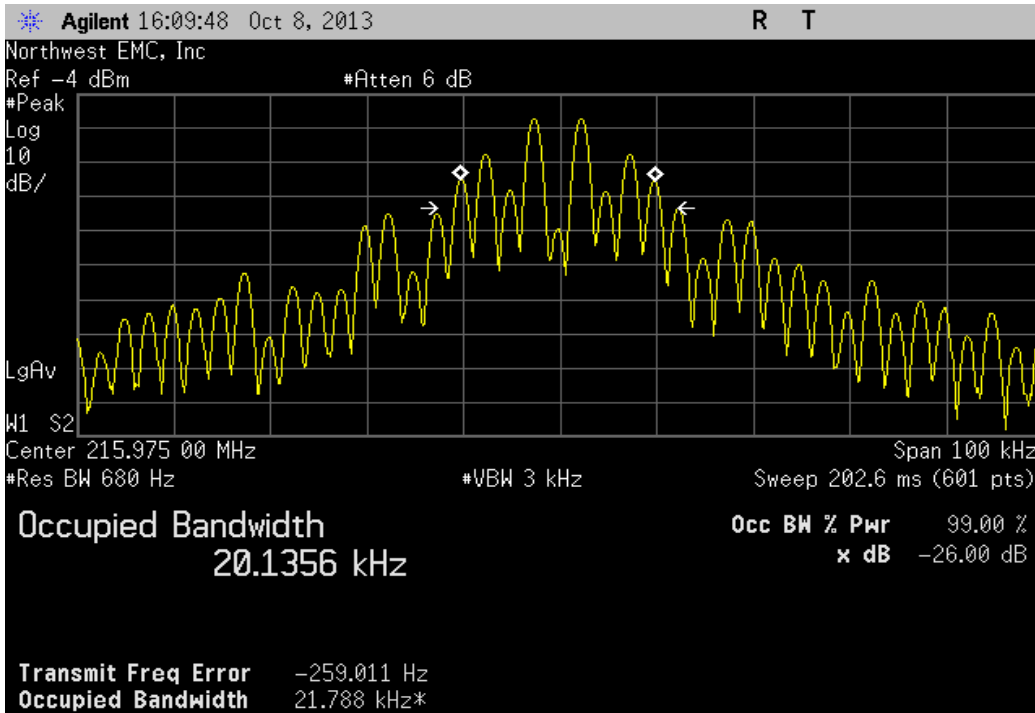


Broadcasting Frequencies, Mid Channel, 195 MHz			
	Value	Limit	Result
	21.355 kHz	< 200 kHz	Pass



Broadcasting Frequencies, High Channel, 215.975 MHz

	Value	Limit	Result
	21.788 kHz	< 200 kHz	Pass



EMISSION MASK

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
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Power Meter	Gigatronics	8651A	SPM	1/9/2012	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

Per FCC Part 74.861(e)(6) the emission mask was measured. Emissions more than 100 - 200kHz away from the center frequency must be attenuated below the transmitter output power by at least 25 dB. This was evaluated by the Occupied Bandwidth measurement according to FCC Part 74.861(e)(5). In addition, emissions 200 - 500kHz away from the center frequency must be attenuated below the transmitter output power by at least 35 dB.

A spectrum analyzer was used to measure the emission mask. A spectrum analyzer using a peak detector.



EMISSION MASK

EUT: UV-1G Belt Pack		Work Order: RDIO0001
Serial Number: 113-008		Date: 10/08/13
Customer: Radio Design Group, Inc		Temperature: 22.2°C
Attendees: None		Humidity: 43%
Project: None		Barometric Pres.: 1017.9
Tested by: Brandon Hobbs	Power: 7.5 VDC	Job Site: EV06

TEST SPECIFICATIONS		Test Method
FCC 74H:2013	ANSI/TIA/EIA-603-C-2004	

COMMENTS

None

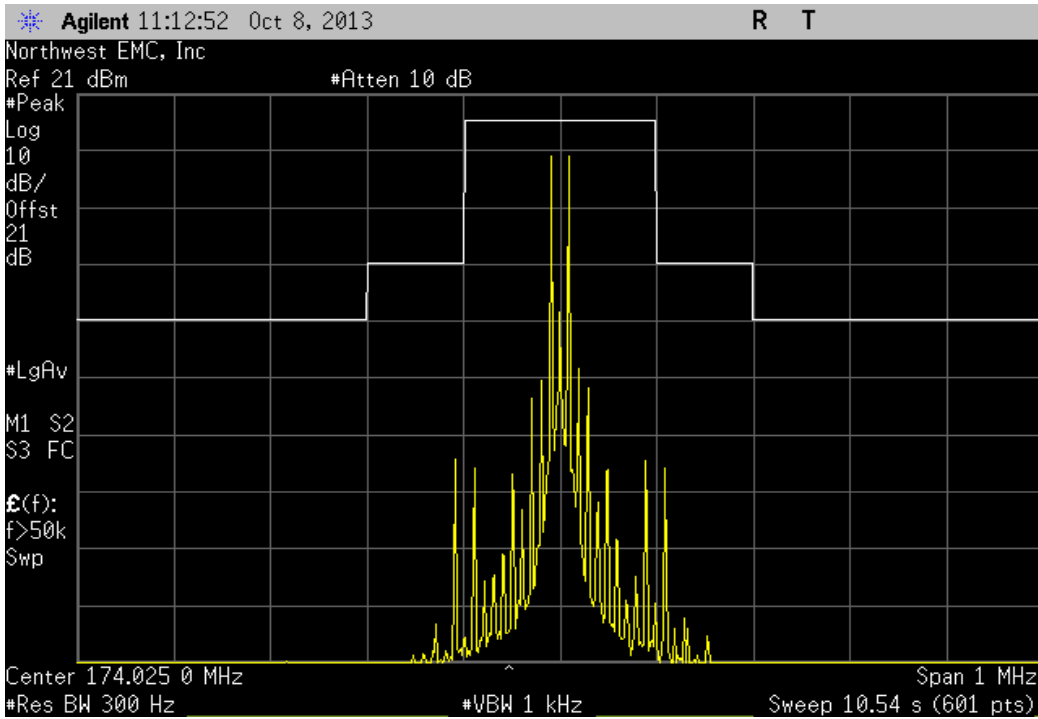
DEVIATIONS FROM TEST STANDARD

None

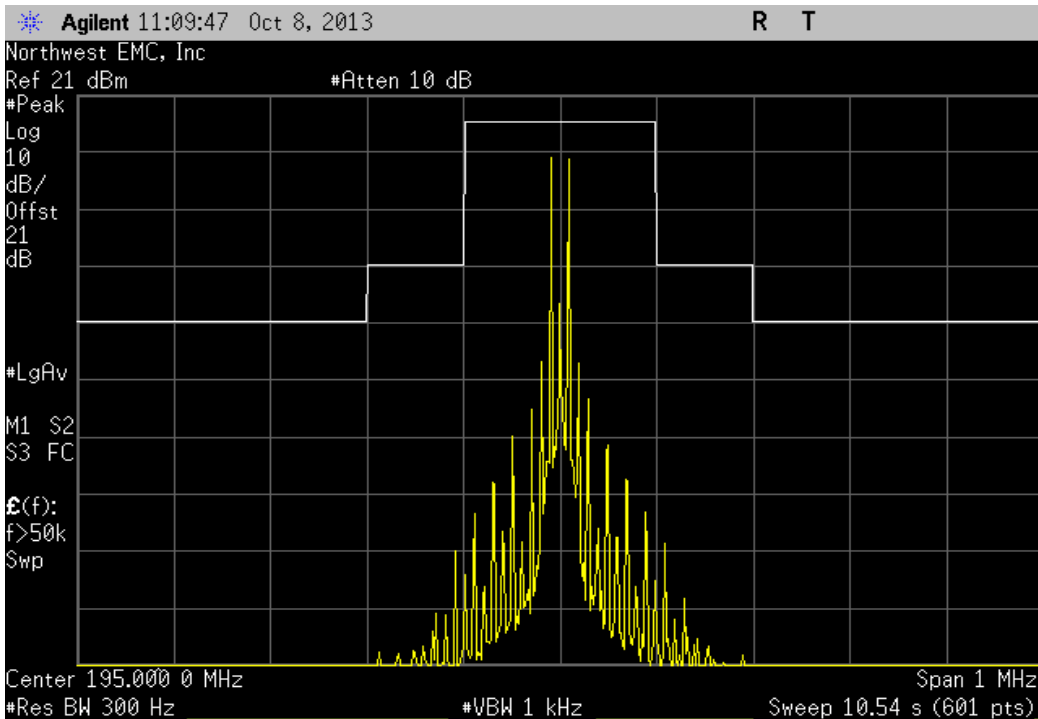
Configuration #	1	Signature 
-----------------	---	---

	Value	Limit	Result
Broadcasting Frequencies			
Low Channel, 174.025 MHz	SEE GRAPH	SEE GRAPH	Pass
Mid Channel, 195 MHz	SEE GRAPH	SEE GRAPH	Pass
High Channel, 215.975 MHz	SEE GRAPH	SEE GRAPH	Pass

Broadcasting Frequencies, Low Channel, 174.025 MHz			
	Value	Limit	Result
	SEE GRAPH	SEE GRAPH	Pass

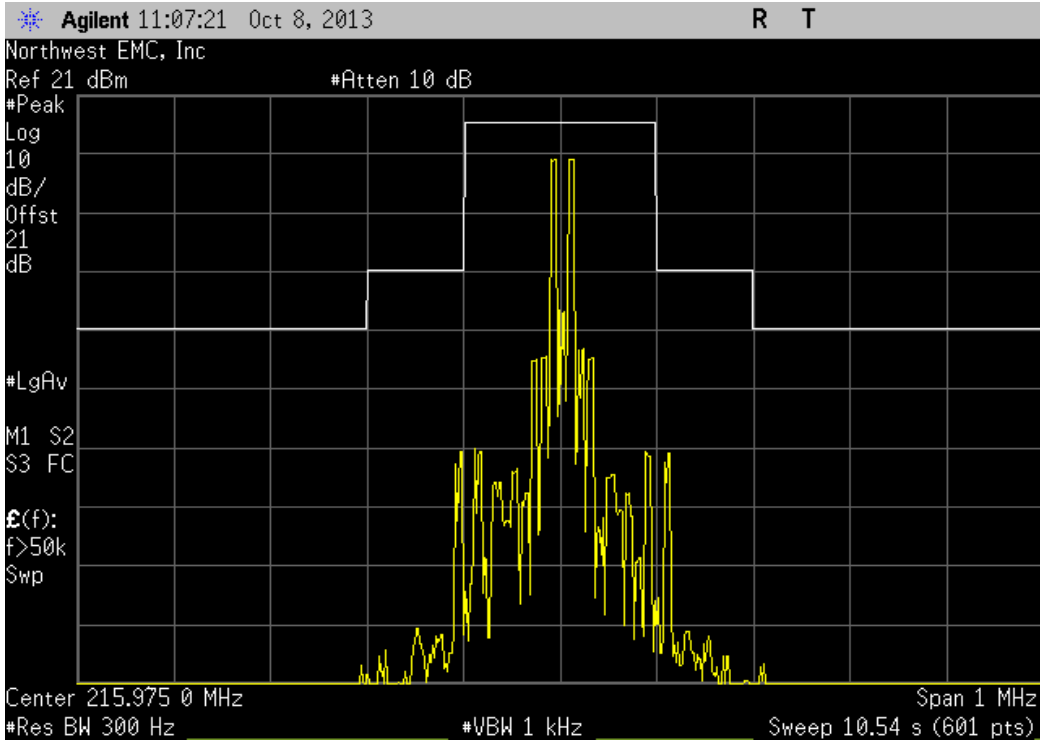


Broadcasting Frequencies, Mid Channel, 195 MHz			
	Value	Limit	Result
	SEE GRAPH	SEE GRAPH	Pass



Broadcasting Frequencies, High Channel, 215.975 MHz

				Value	Limit	Result
				SEE GRAPH	SEE GRAPH	Pass



SPURIOUS CONDUCTED EMISSIONS

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Power Meter	Gigatronics	8651A	SPM	1/9/2012	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 antenna port spurious conducted emissions were measured at the RF output terminal of the EUT with 20dB of external attenuation on the RF input of the spectrum analyzer. Analyzer plots were made from 30 MHz to 2.2 GHz. The peak conducted power of spurious emissions, up to the 10th harmonic of the transmit frequency, were investigated to a limit of -13 dBm.



SPURIOUS CONDUCTED EMISSIONS

EUT: UV-1G Belt Pack		Work Order: RDIO0001
Serial Number: 113-008		Date: 10/08/13
Customer: Radio Design Group, Inc		Temperature: 22°C
Attendees: None		Humidity: 41%
Project: None		Barometric Pres.: 1013.1
Tested by: Brandon Hobbs	Power: 7.5 VDC	Job Site: EV06

TEST SPECIFICATIONS		Test Method
FCC 74H:2013		ANSI/TIA/EIA-603-C-2004

COMMENTS
None

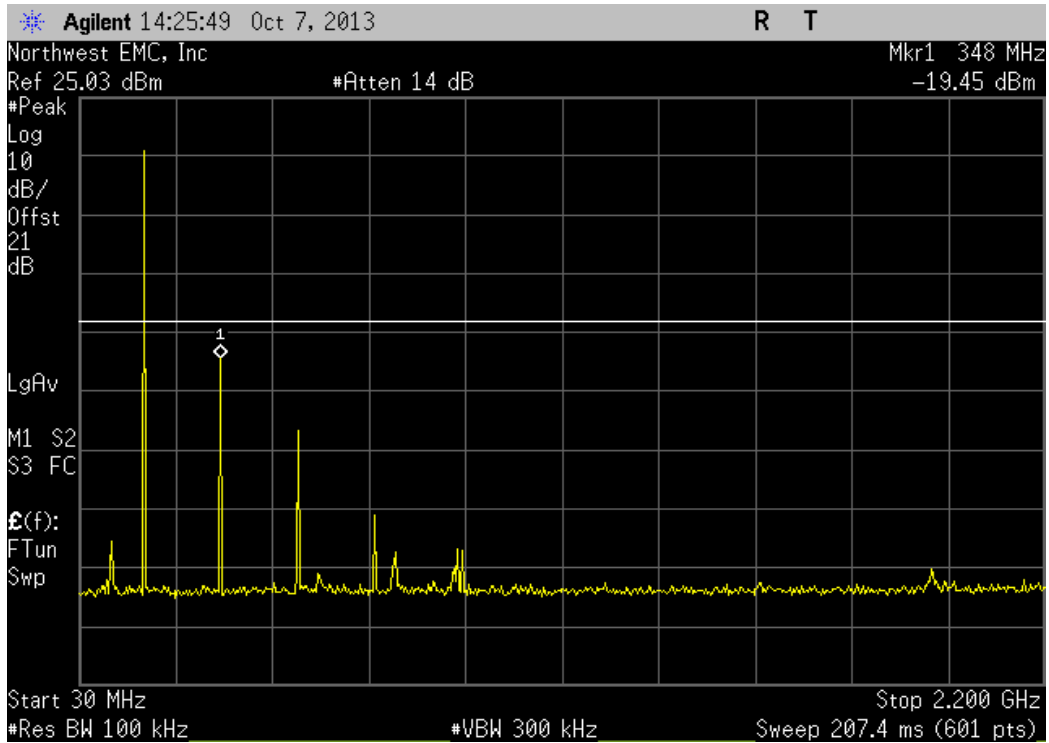
DEVIATIONS FROM TEST STANDARD
None

Configuration #	1	Signature 
-----------------	---	---

	Value	Limit	Result
Broadcasting Frequencies			
Low Channel, 174.025 MHz	-19.45 dBm	-13 dBm	Pass
Mid Channel, 195 MHz	-21.91 dBm	-13 dBm	Pass
High Channel, 215.975 MHz	-21.11 dBm	-13 dBm	Pass

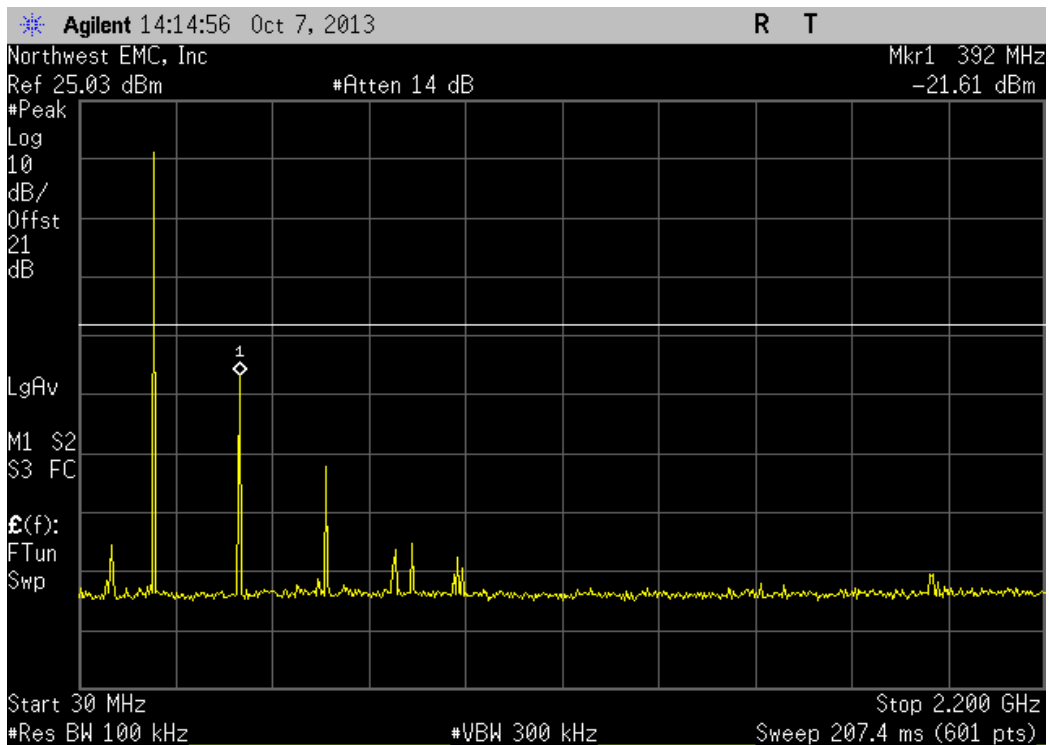
Broadcasting Frequencies, Low Channel, 174.025 MHz

	Value	Limit	Result
	-19.45 dBm	-13 dBm	Pass



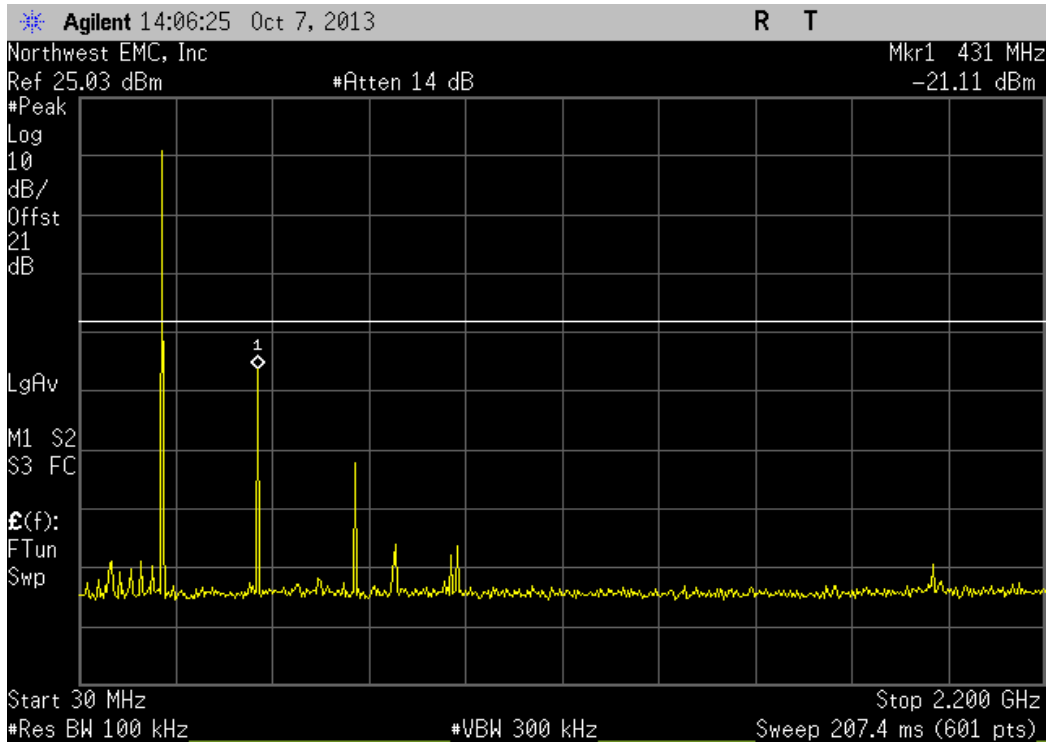
Broadcasting Frequencies, Mid Channel, 195 MHz

	Value	Limit	Result
	-21.91 dBm	-13 dBm	Pass



Broadcasting Frequencies, High Channel, 215.975 MHz

				Value	Limit	Result
				-21.11 dBm	-13 dBm	Pass



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

Tx 174.025 MHz, Low Channel

Tx 195 MHz, Mid Channel

Tx 215.975 MHz, High Channel

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

RDIO0001 - 2

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	3000 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
Spectrum Analyzer	Agilent	E4446A	AAQ	2/7/2012	24 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
Antenna, Dipole	A.H. Systems, Inc.	FCC-4	ADCA	5/17/2013	36 mo
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12 mo
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0 mo
Power Meter	Gigatronics	8651A	SPM	1/9/2012	24 mo
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	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 Field Strength of Spurious Radiation was measured in the far-field at an FCC Listed OATS up to 3 GHz. Spectrum analyzer, signal generator, and linearly polarized antennas were used to measure radiated harmonics and spurious emissions. The orientation of the EUT and measurement antenna were manipulated to maximize the level of emissions. The EUT was configured to transmit at the highest output power.

For licensed transmitters, the FCC references TIA/EIA-603 as the measurement procedure standard. TIA/EIA-603 Section 2.2.12 describes a method for measuring radiated spurious emissions that utilizes an antenna substitution method:

At an approved test site, the transmitter is placed on a remotely controlled turntable, and the measurement antenna is placed 3 meters from the transmitter. The turntable azimuth is varied to maximize the level of spurious emissions. The height of the measurement antenna is also varied from 1 to 4 meters. The amplitude and frequency of the highest emissions are noted. The transmitter is then replaced with a 1/2 wave dipole that is successively tuned to each of the highest spurious emissions. A signal generator is connected to the dipole (horn antenna for frequencies above 1 GHz), and its output is adjusted to match the level previously noted for each frequency. The output of the signal generator is recorded, and by factoring in the cable loss to the dipole antenna and its gain; the power (dBm) into an ideal 1/2 wave dipole antenna is determined for each radiated spurious emission.

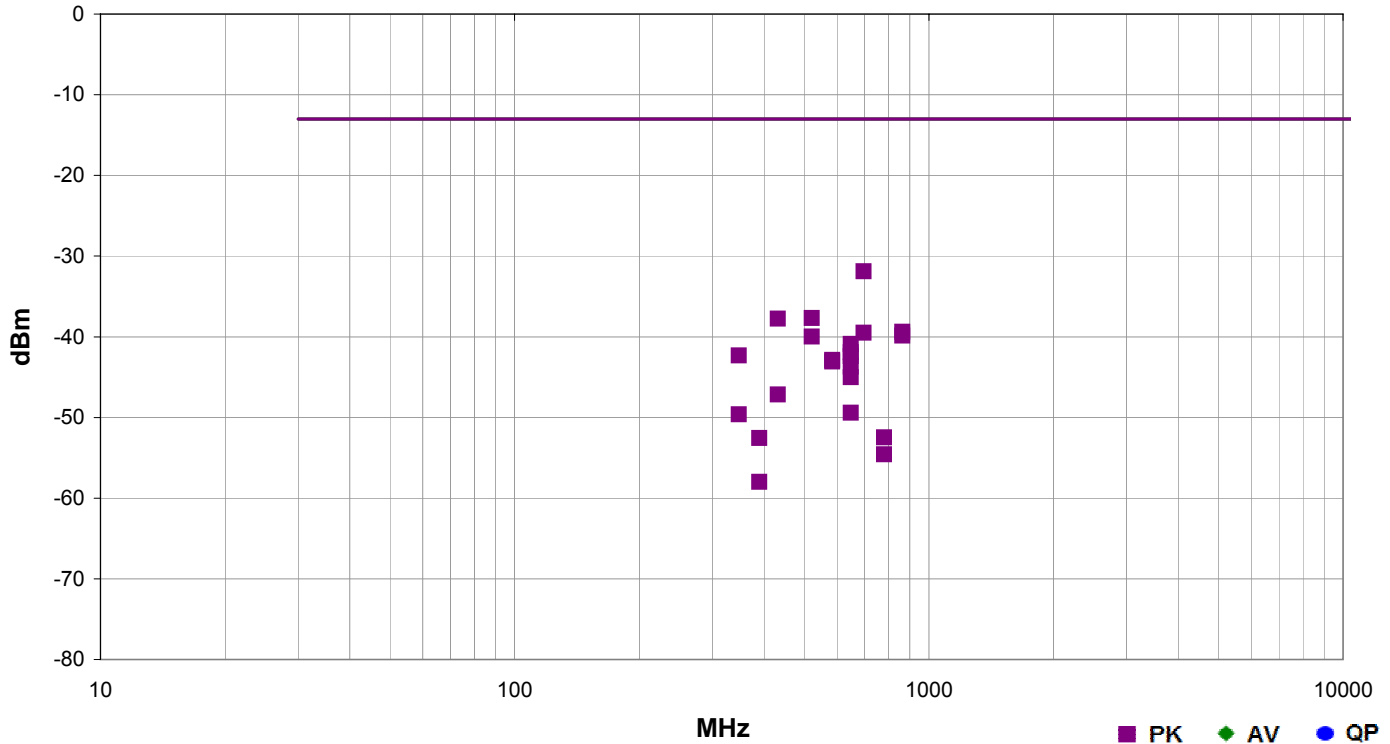
For the purposes of preliminary measurements, the field strength of the spurious emissions can be measured and compared with a 3 meter limit. The 3 meter limit was calculated to be 82.2 dBuV/m at 3 meters. The final measurements must be made utilizing the substitution method described above and applied against the EIRP limit of -13 dBm.

SPURIOUS RADIATED EMISSIONS

Work Order:	RDIO0001	Date:	10/10/13	
Project:	None	Temperature:	22.7 °C	
Job Site:	EV01	Humidity:	39.8% RH	
Serial Number:	092712-074	Barometric Pres.:	1016.3 mbar	
EUT:	UV-1G Belt Pack			
Configuration:	2			
Customer:	Radio Design Group, Inc.			
Attendees:	None			
EUT Power:	Battery			
Operating Mode:	Tx			
Deviations:	None			
Comments:	Please reference data comments for EUT orientation and frequency			

Test Specifications	Test Method
FCC 74H:2013	ANSI/TIA/EIA-603-C-2004

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



Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
696.100	1.0	104.0	Vert	PK	6.48E-07	-31.9	-13.0	-18.9	Low Ch. 174.025 MHz, EUT Vert
522.078	1.5	183.0	Horz	PK	1.70E-07	-37.7	-13.0	-24.7	Low Ch. 174.025 MHz, EUT Horz
431.948	1.0	151.0	Horz	PK	1.68E-07	-37.7	-13.0	-24.7	High Ch. 215.975 MHz, EUT Horz
863.898	1.0	340.0	Horz	PK	1.16E-07	-39.4	-13.0	-26.4	High Ch. 215.975 MHz, EUT Horz
696.095	1.0	105.0	Horz	PK	1.13E-07	-39.5	-13.0	-26.5	Low Ch. 174.025 MHz, EUT Horz
863.897	1.4	360.0	Vert	PK	1.03E-07	-39.9	-13.0	-26.9	High Ch. 215.975 MHz, EUT Vert
522.075	1.0	63.0	Vert	PK	1.00E-07	-40.0	-13.0	-27.0	Low Ch. 174.025 MHz, EUT Vert

	Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
	647.933	1.3	221.0	Horz	PK	8.11E-08	-40.9	-13.0	-27.9	High Ch. 215.975 MHz, EUT Horz
	647.917	1.0	343.0	Vert	PK	6.44E-08	-41.9	-13.0	-28.9	High Ch. 215.975 MHz, EUT Vert
	348.048	1.0	203.0	Horz	PK	5.88E-08	-42.3	-13.0	-29.3	Low Ch. 174.025 MHz, EUT Horz
	647.930	1.3	50.0	Horz	PK	5.74E-08	-42.4	-13.0	-29.4	High Ch. 215.975 MHz, EUT On Side
	585.005	1.0	45.0	Vert	PK	5.18E-08	-42.9	-13.0	-29.9	Mid Ch. 195 MHz, EUT Vert
	585.010	1.6	78.0	Horz	PK	4.95E-08	-43.1	-13.0	-30.1	Mid Ch. 195 MHz, EUT Horz
	647.920	1.0	38.0	Horz	PK	4.26E-08	-43.7	-13.0	-30.7	High Ch. 215.975 MHz, EUT Vert
	647.918	1.0	163.0	Vert	PK	3.15E-08	-45.0	-13.0	-32.0	High Ch. 215.975 MHz, EUT On Side
	431.948	1.4	360.0	Vert	PK	1.93E-08	-47.1	-13.0	-34.1	High Ch. 215.975 MHz, EUT Vert
	647.933	2.8	307.0	Vert	PK	1.15E-08	-49.4	-13.0	-36.4	High Ch. 215.975 MHz, EUT Horz
	348.050	1.4	249.0	Vert	PK	1.09E-08	-49.6	-13.0	-36.6	Low Ch. 174.025 MHz, EUT Vert
	780.005	1.1	53.0	Horz	PK	5.65E-09	-52.5	-13.0	-39.5	Mid Ch. 195 MHz, EUT Horz
	390.000	1.0	197.0	Horz	PK	5.54E-09	-52.6	-13.0	-39.6	Mid Ch. 195 MHz, EUT Horz
	780.000	1.4	101.0	Vert	PK	3.49E-09	-54.6	-13.0	-41.6	Mid Ch. 195 MHz, EUT Vert
	390.000	1.1	99.0	Vert	PK	1.60E-09	-58.0	-13.0	-45.0	Mid Ch. 195 MHz, EUT Vert

FREQUENCY STABILITY

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
Humidity Temperature Meter	Omegaette	HH311	DTY	3/29/2011	36
Temp./Humidity Chamber	Cincinnati Sub Zero (CSZ)	ZH-32-2-2-H/AC	TBA	NCR	0
DC Power Supply	Topward	TPS-2000	TPD	NCR	0
Multimeter	Tektronix	DMM912	MMH	2/5/2013	24
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/11/2012	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Power Meter	Gigatronics	8651A	SPM	1/9/2012	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

A direct connect measurement was made between the EUT's antenna cable and a spectrum analyzer. The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT.

Measurements were made at the edges of the main transmit band as called out on the data sheets. Testing was done with modulation.

The primary supply voltage was varied from 85 % to 115% of the nominal voltage Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range (-30 ° to +50° C) and at 10°C intervals.



FREQUENCY STABILITY

EUT: UV-1G Belt Pack		Work Order: RDIO0001
Serial Number: 113-008		Date: 10/08/13
Customer: Radio Design Group, Inc.		Temperature: 22°C
Attendees: None		Humidity: 41%
Project: None		Barometric Pres.: 1013.1
Tested by: Brandon Hobbs		Power: 7.5 VDC
		Job Site: EV06

TEST SPECIFICATIONS		Test Method
FCC 74H:2013		ANSI/TIA/EIA-603-C-2004

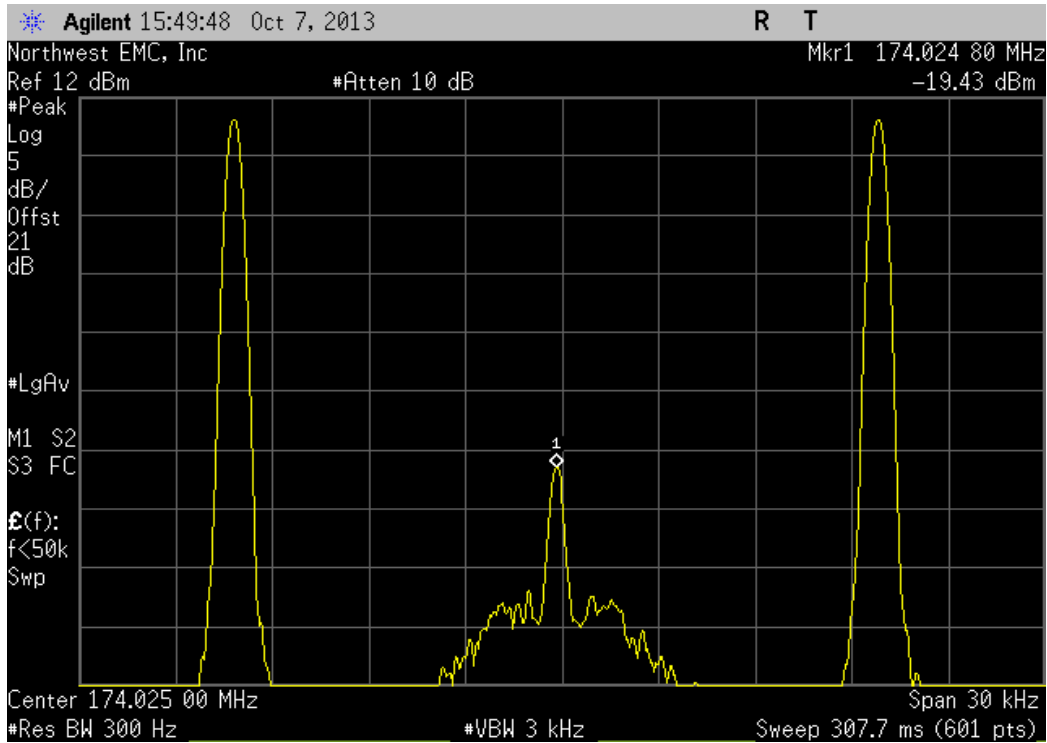
COMMENTS
None

DEVIATIONS FROM TEST STANDARD
None

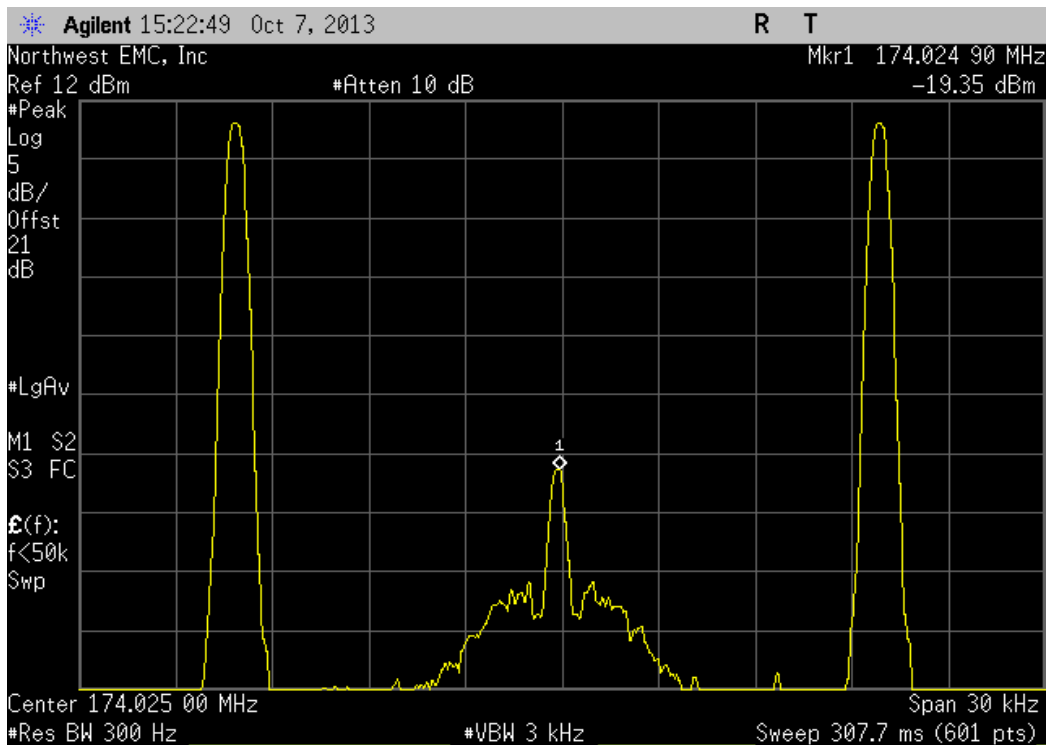
Configuration #	1	Signature 
-----------------	---	---

	Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result
Low Channel 174.025 MHz					
Voltage: 115%	174.0248	174.025	1.2	50	Pass
Voltage: 100%	174.0249	174.025	0.6	50	Pass
Voltage: 85%	174.02485	174.025	0.9	50	Pass
Temperature: +50°	174.02485	174.025	0.9	50	Pass
Temperature: +40°	174.02485	174.025	0.9	50	Pass
Temperature: +30°	174.02485	174.025	0.9	50	Pass
Temperature: +20°	174.02485	174.025	0.9	50	Pass
Temperature: +10°	174.0247	174.025	1.7	50	Pass
Temperature: 0°	174.02475	174.025	1.4	50	Pass
Temperature: -10°	174.0247	174.025	1.7	50	Pass
Temperature: -20°	174.02465	174.025	2	50	Pass
Temperature: -30°	174.0246	174.025	2.3	50	Pass
Mid Channel 195 MHz					
Voltage: 115%	194.9998	195	1	50	Pass
Voltage: 100%	194.9998	195	1	50	Pass
Voltage: 85%	194.9998	195	1	50	Pass
Temperature: +50°	194.99985	195	0.8	50	Pass
Temperature: +40°	194.99985	195	0.8	50	Pass
Temperature: +30°	194.9998	195	1	50	Pass
Temperature: +20°	194.9998	195	1	50	Pass
Temperature: +10°	194.9997	195	1.5	50	Pass
Temperature: 0°	194.9997	195	1.5	50	Pass
Temperature: -10°	194.99965	195	1.8	50	Pass
Temperature: -20°	194.99955	195	2.3	50	Pass
Temperature: -30°	194.9996	195	2	50	Pass
High Channel 215.975 MHz					
Voltage: 115%	215.97475	215.975	1.2	50	Pass
Voltage: 100%	215.97475	215.975	1.2	50	Pass
Voltage: 85%	215.97475	215.975	1.2	50	Pass
Temperature: +50°	215.9748	215.975	0.9	50	Pass
Temperature: +40°	215.9748	215.975	0.9	50	Pass
Temperature: +30°	215.9748	215.975	0.9	50	Pass
Temperature: +20°	215.9748	215.975	0.9	50	Pass
Temperature: +10°	215.97465	215.975	1.6	50	Pass
Temperature: 0°	215.97465	215.975	1.6	50	Pass
Temperature: -10°	215.97455	215.975	2.1	50	Pass
Temperature: -20°	215.9745	215.975	2.3	50	Pass
Temperature: -30°	215.9745	215.975	2.3	50	Pass

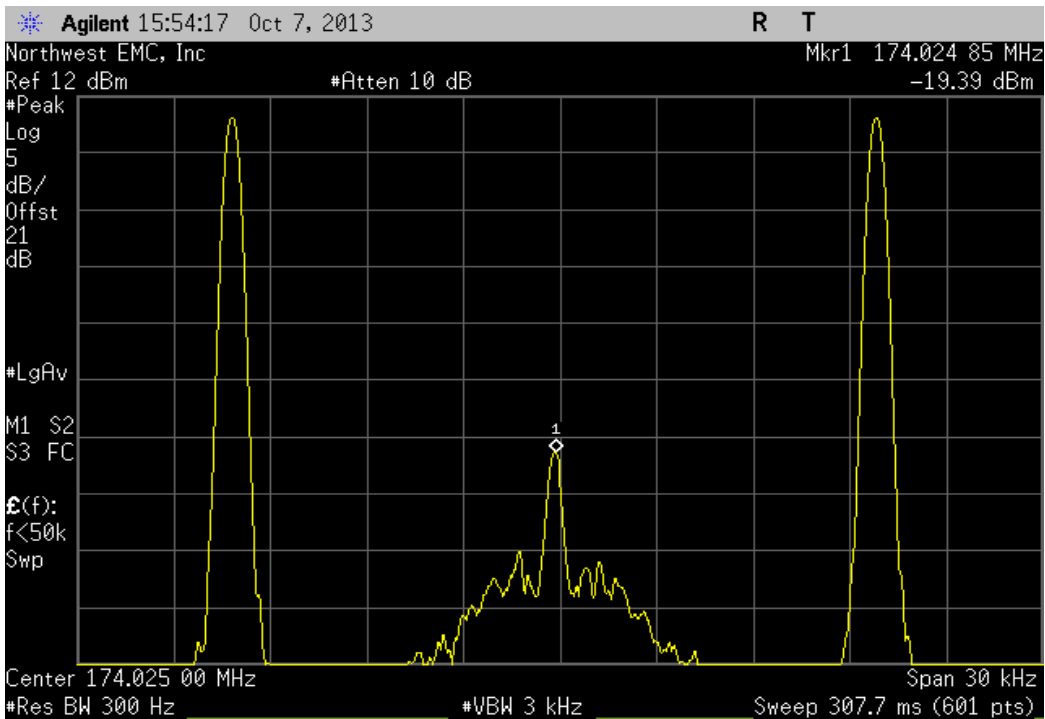
Low Channel 174.025 MHz, Voltage: 115%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.0248	174.025	1.2	50	Pass	



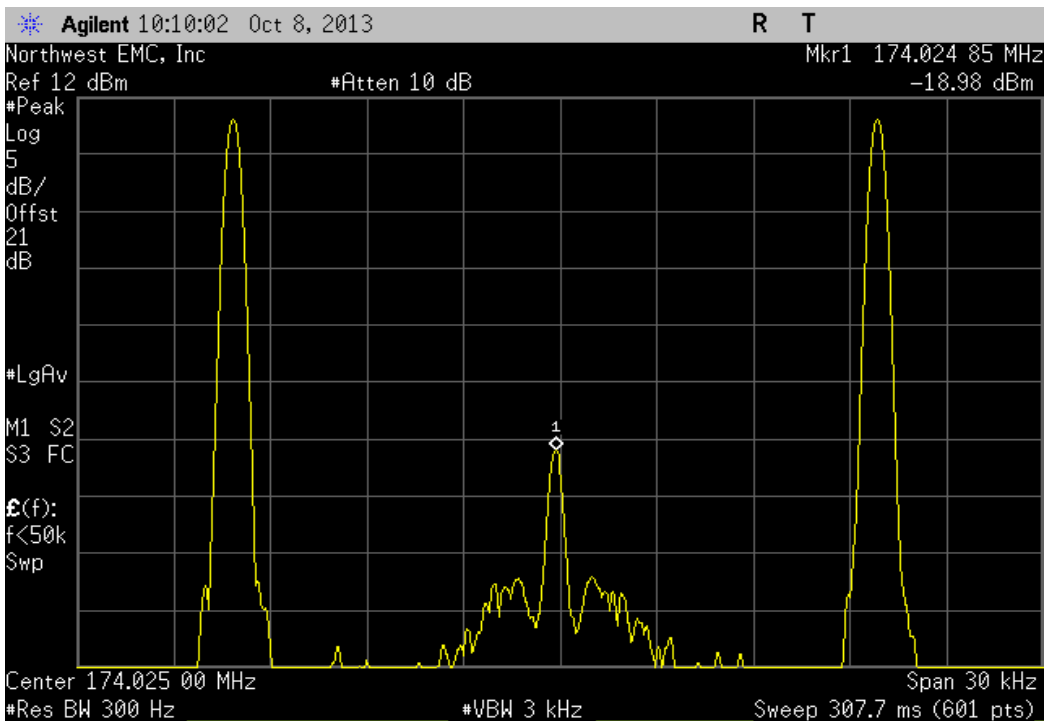
Low Channel 174.025 MHz, Voltage: 100%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.0249	174.025	0.6	50	Pass	



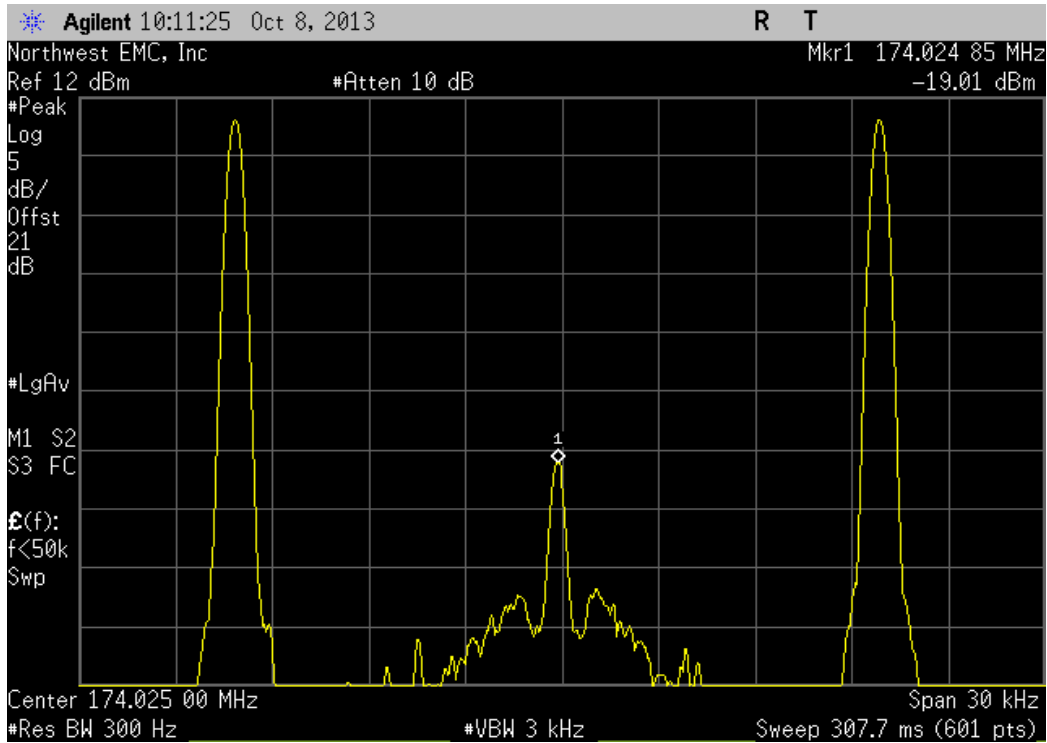
Low Channel 174.025 MHz, Voltage: 85%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02485	174.025	0.9	50	Pass	



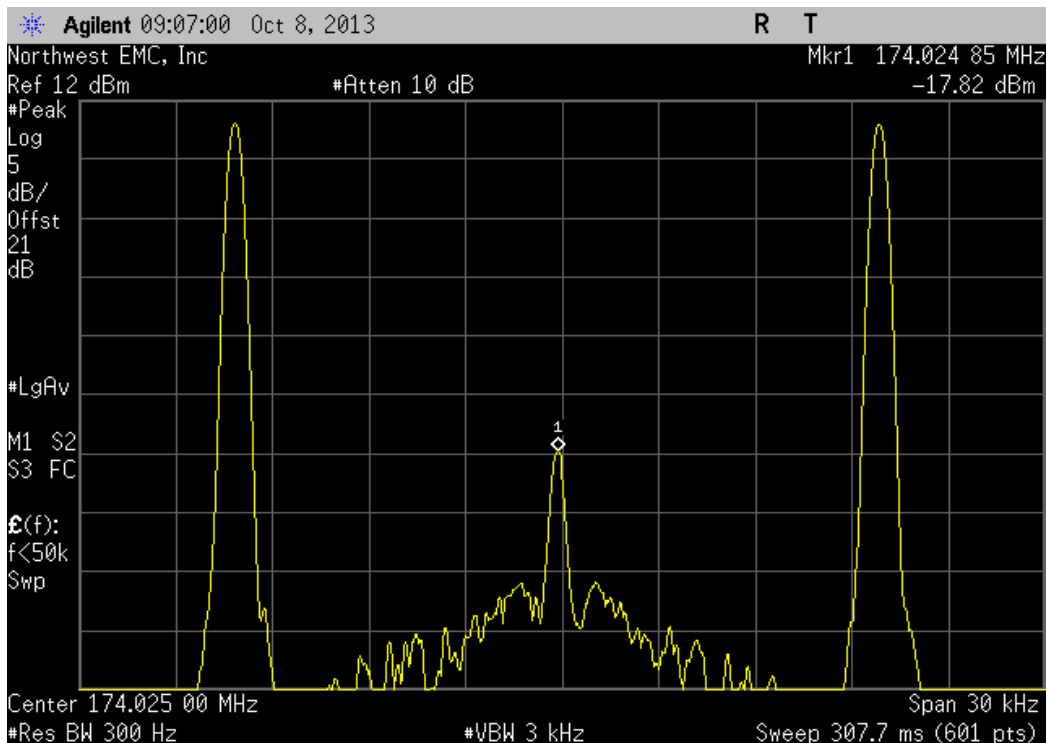
Low Channel 174.025 MHz, Temperature: +50°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02485	174.025	0.9	50	Pass	



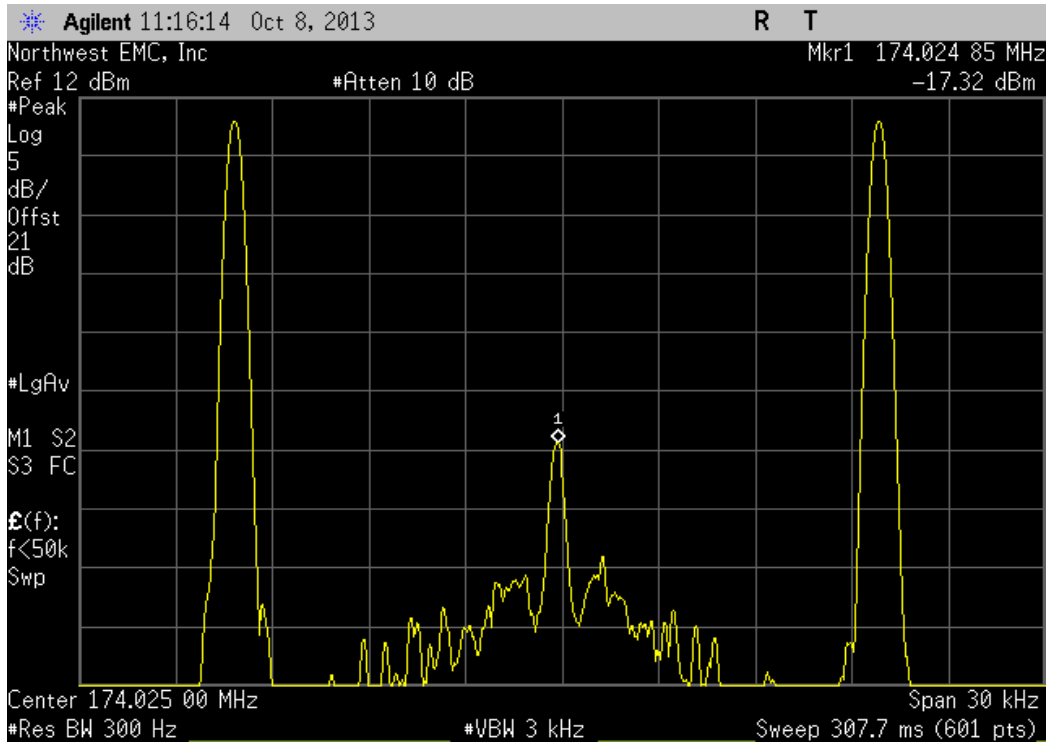
Low Channel 174.025 MHz, Temperature: +40°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02485	174.025	0.9	50	Pass	



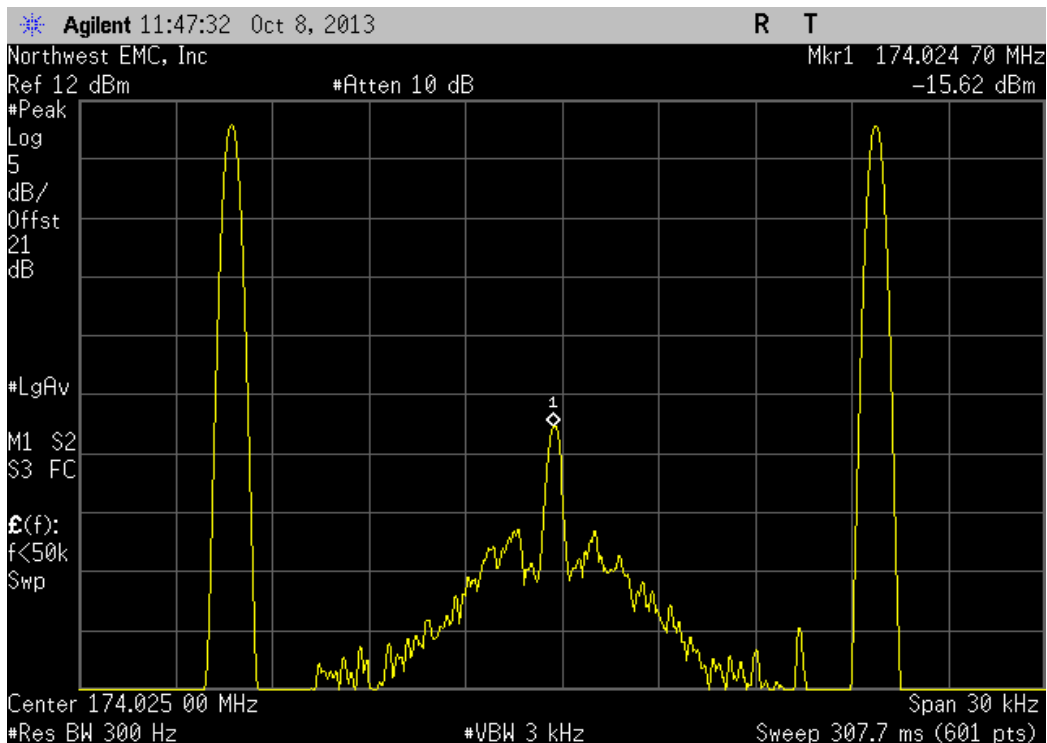
Low Channel 174.025 MHz, Temperature: +30°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02485	174.025	0.9	50	Pass	



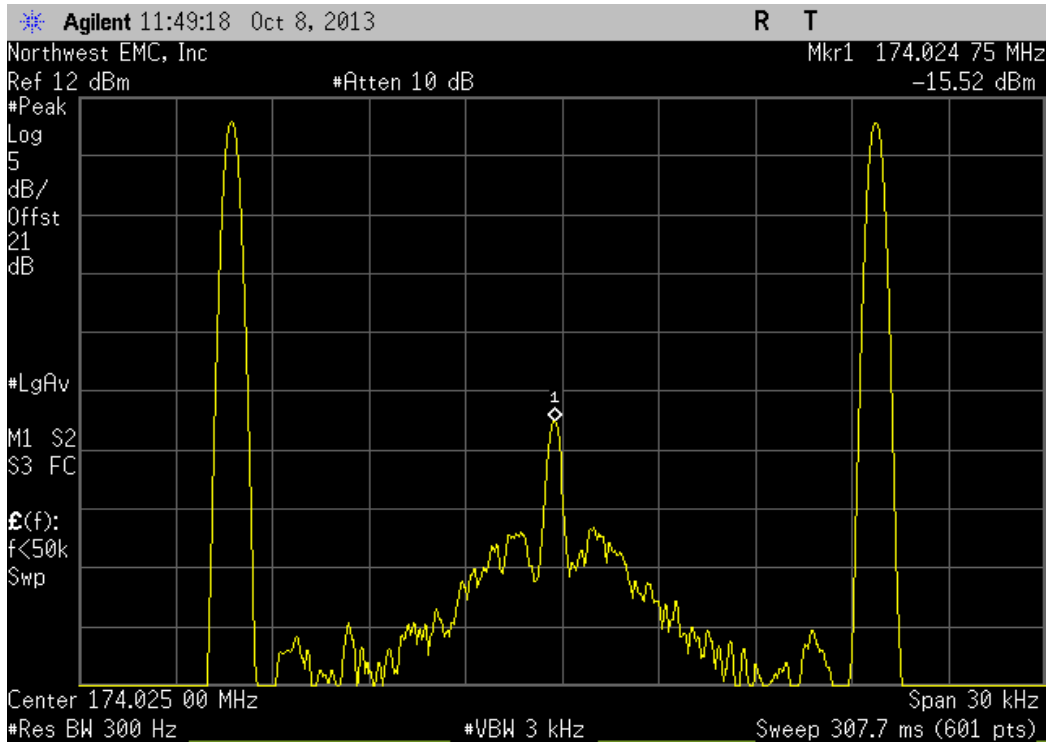
Low Channel 174.025 MHz, Temperature: +20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02485	174.025	0.9	50	Pass	



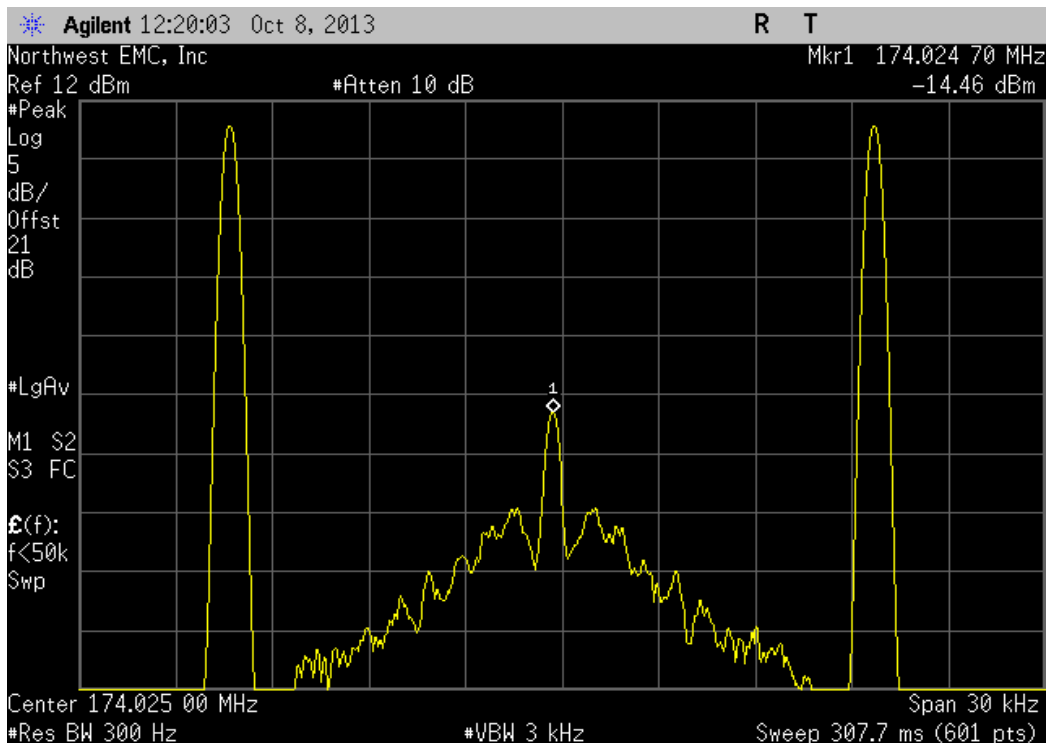
Low Channel 174.025 MHz, Temperature: +10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.0247	174.025	1.7	50	Pass	



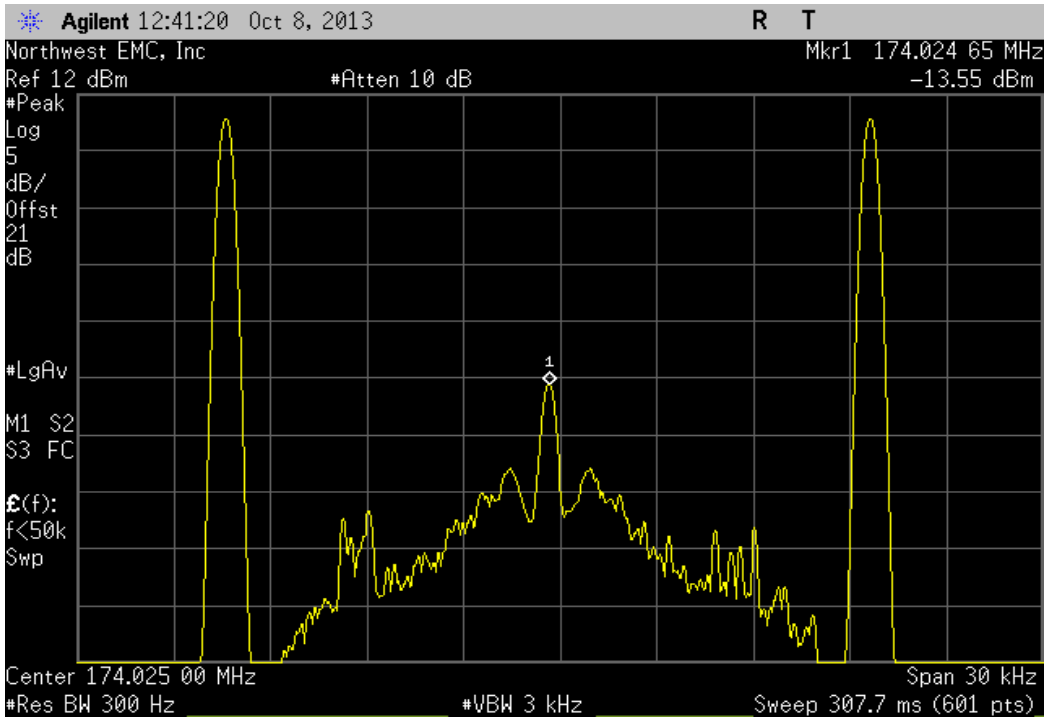
Low Channel 174.025 MHz, Temperature: 0°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02475	174.025	1.4	50	Pass	



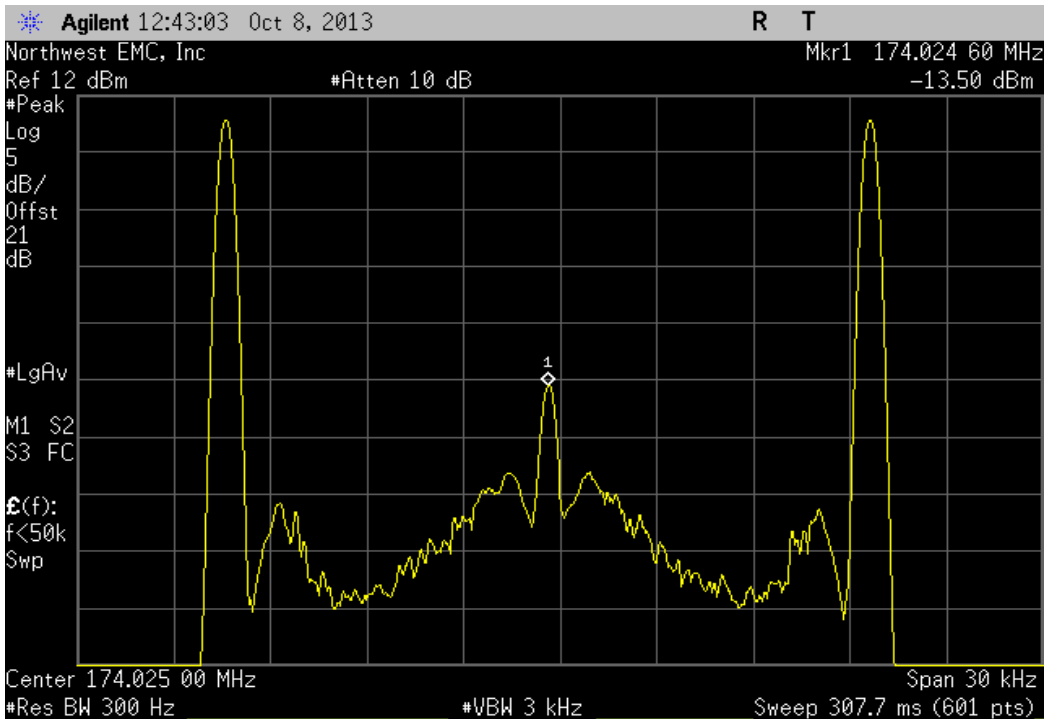
Low Channel 174.025 MHz, Temperature: -10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.0247	174.025	1.7	50	Pass	



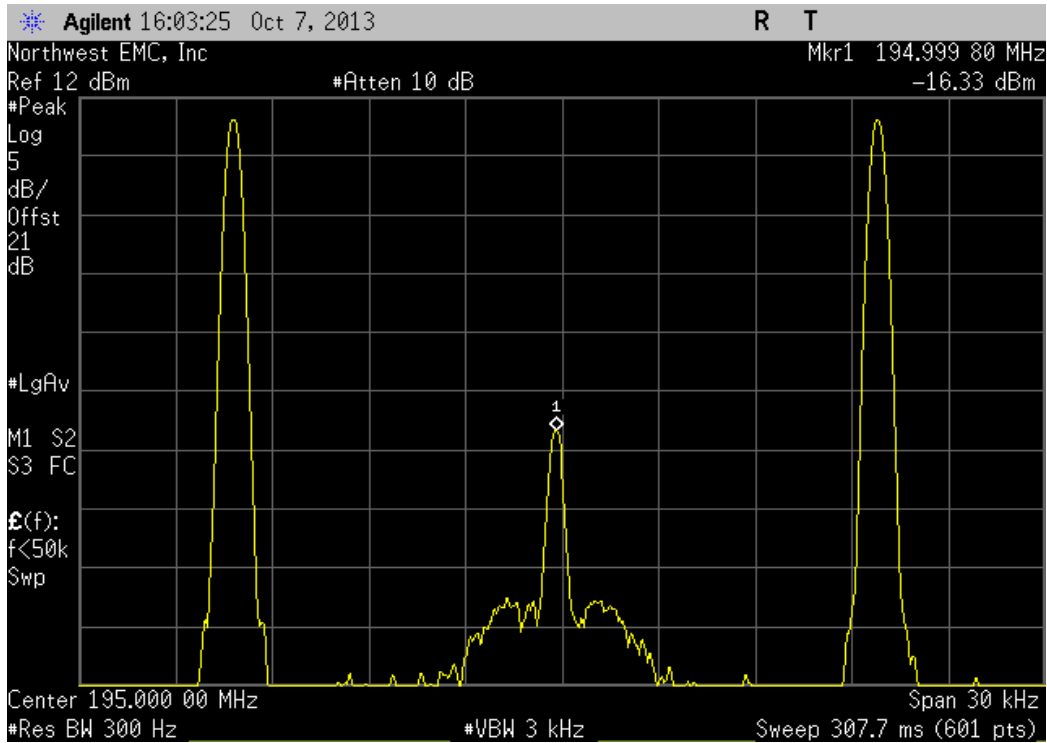
Low Channel 174.025 MHz, Temperature: -20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.02465	174.025	2	50	Pass	



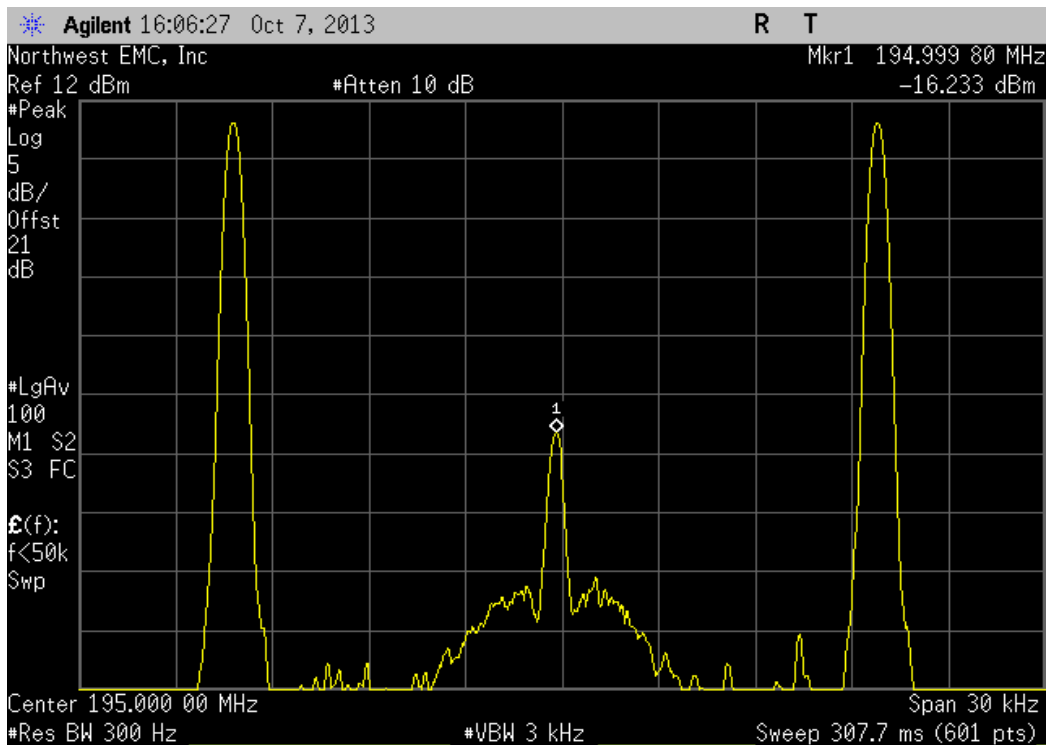
Low Channel 174.025 MHz, Temperature: -30°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
174.0246	174.025	2.3	50	Pass	



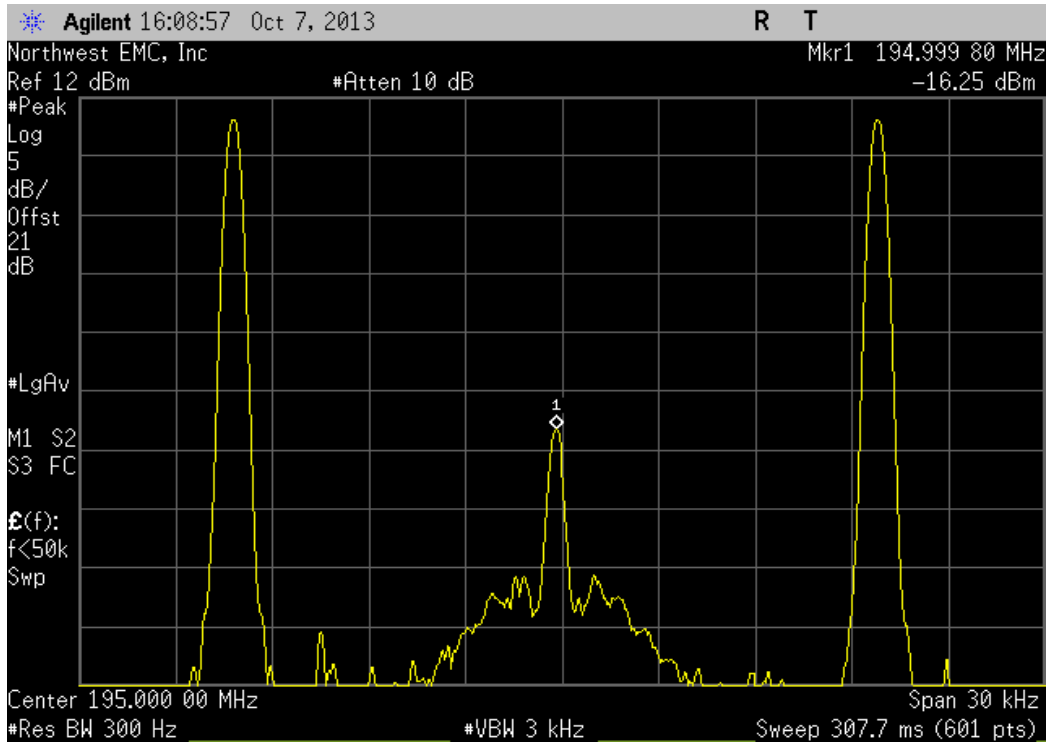
Mid Channel 195 MHz, Voltage: 115%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9998	195	1	50	Pass	



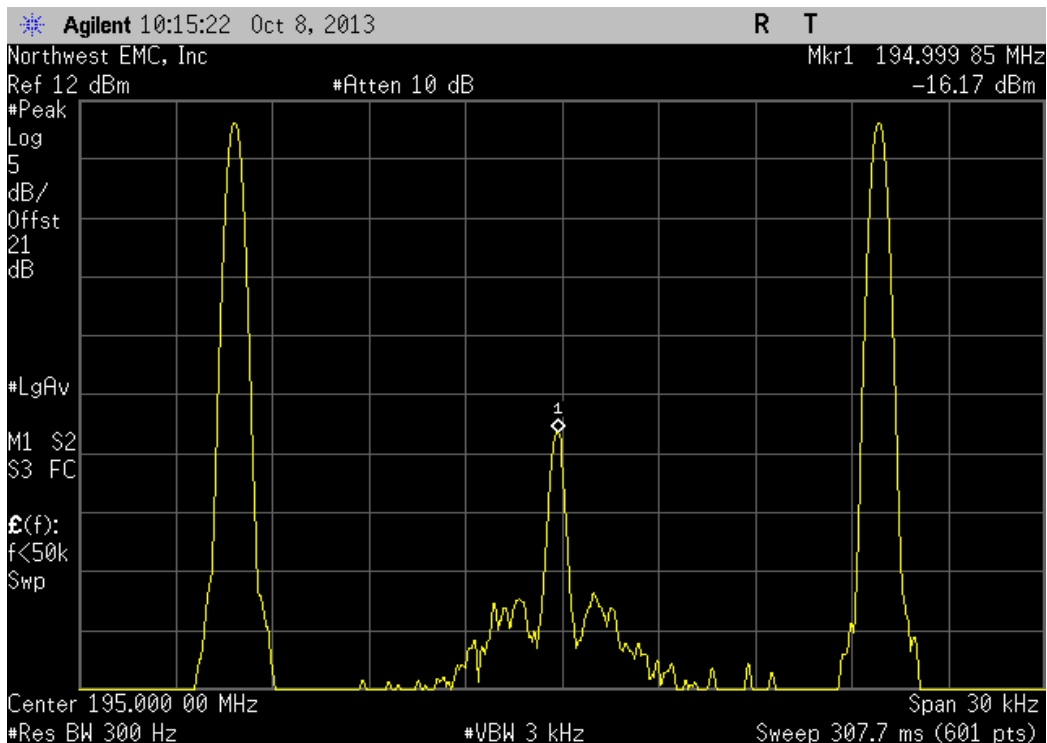
Mid Channel 195 MHz, Voltage: 100%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9998	195	1	50	Pass	



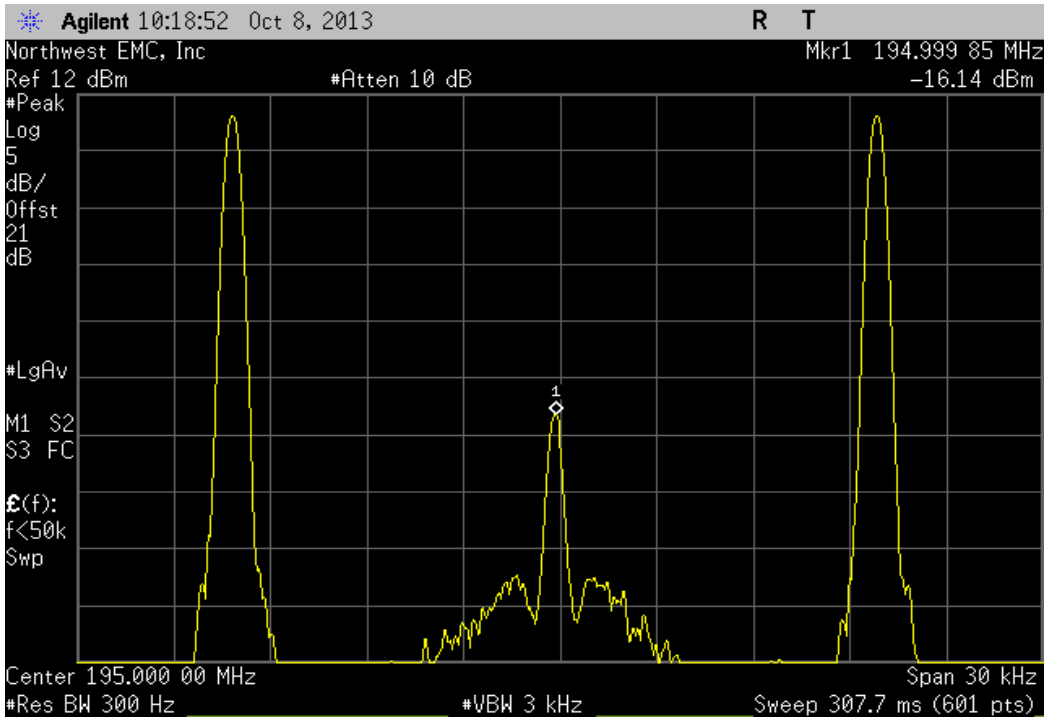
Mid Channel 195 MHz, Voltage: 85%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9998	195	1	50	Pass	



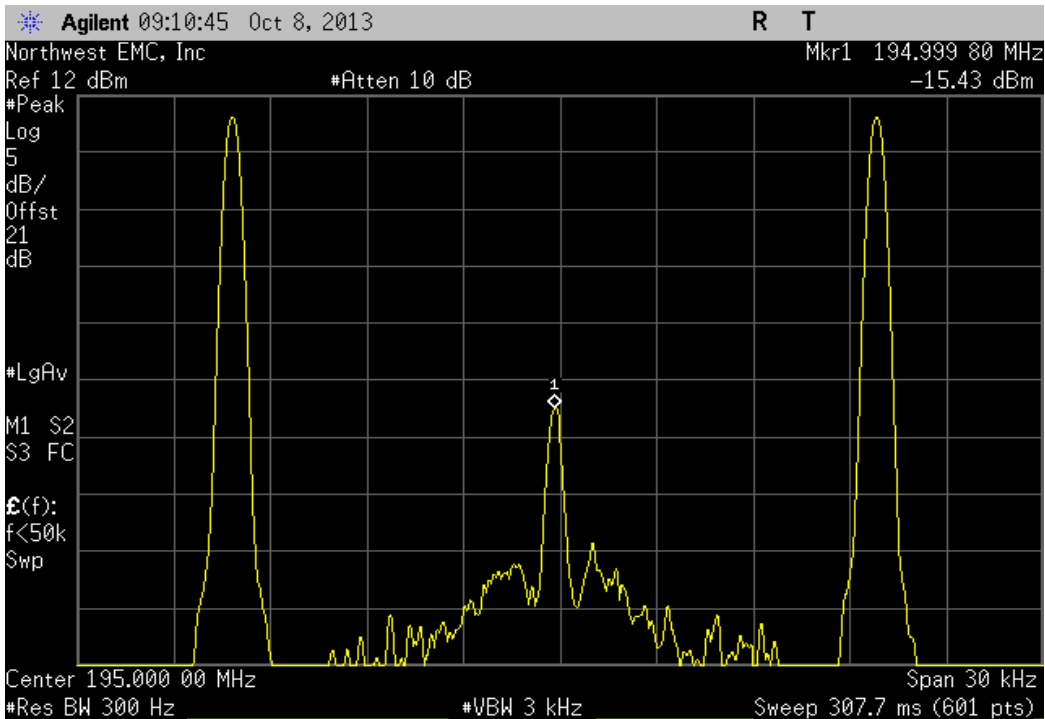
Mid Channel 195 MHz, Temperature: +50°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.99985	195	0.8	50	Pass	



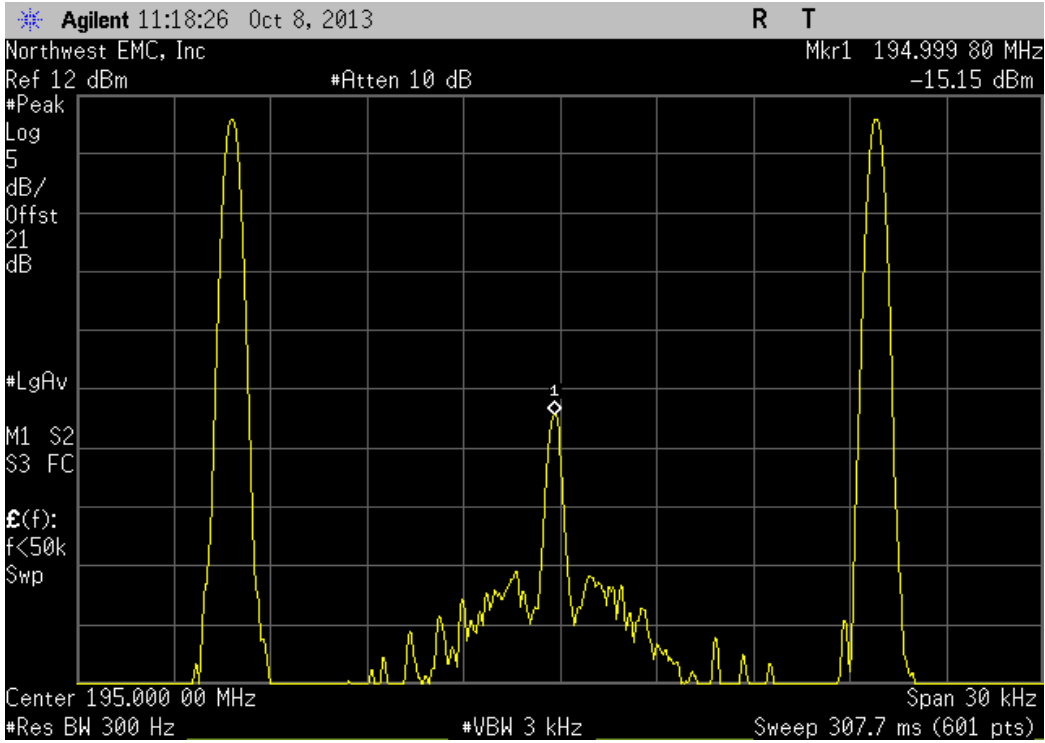
Mid Channel 195 MHz, Temperature: +40°					
	Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result
	194.99985	195	0.8	50	Pass



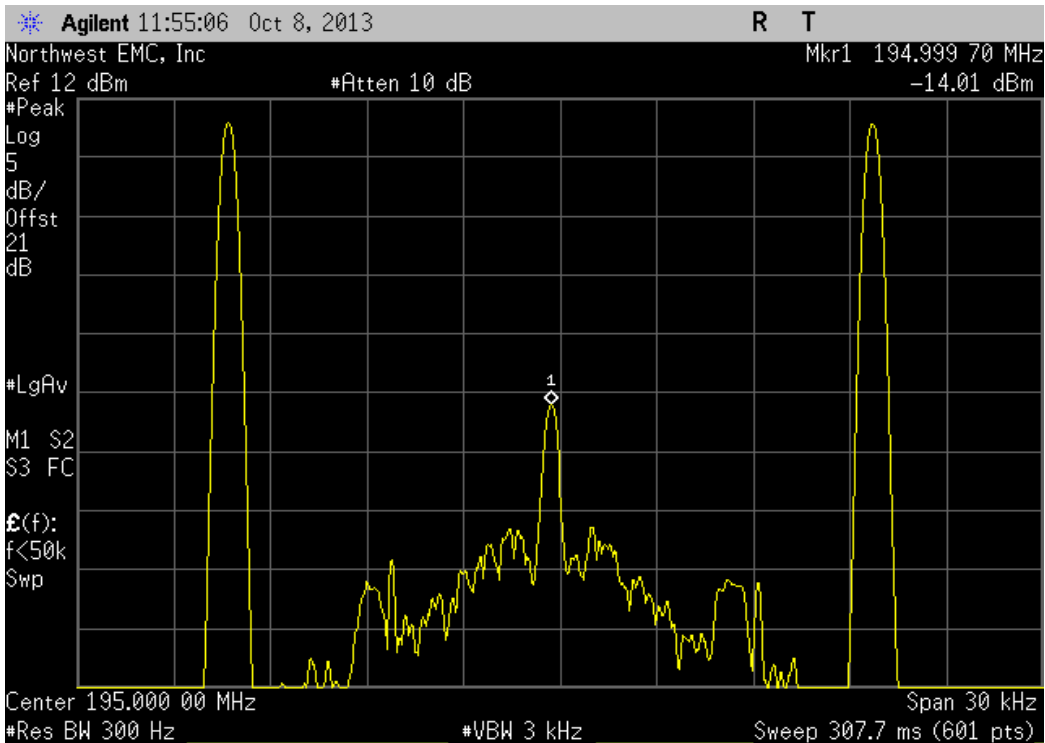
Mid Channel 195 MHz, Temperature: +30°					
	Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result
	194.9998	195	1	50	Pass



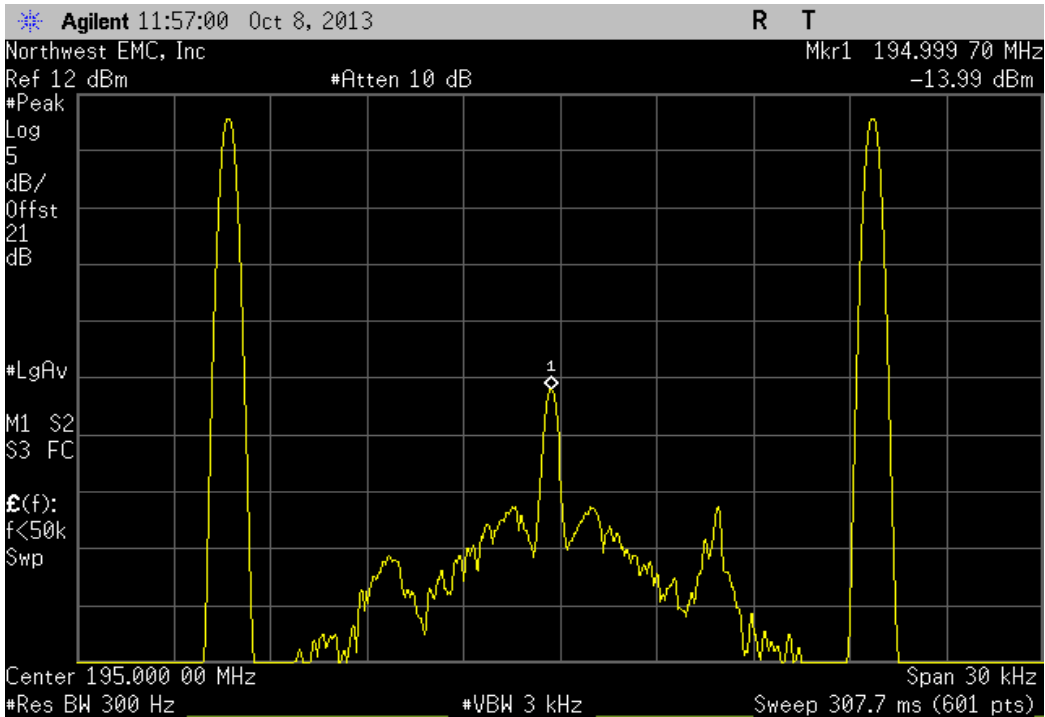
Mid Channel 195 MHz, Temperature: +20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9998	195	1	50	Pass	



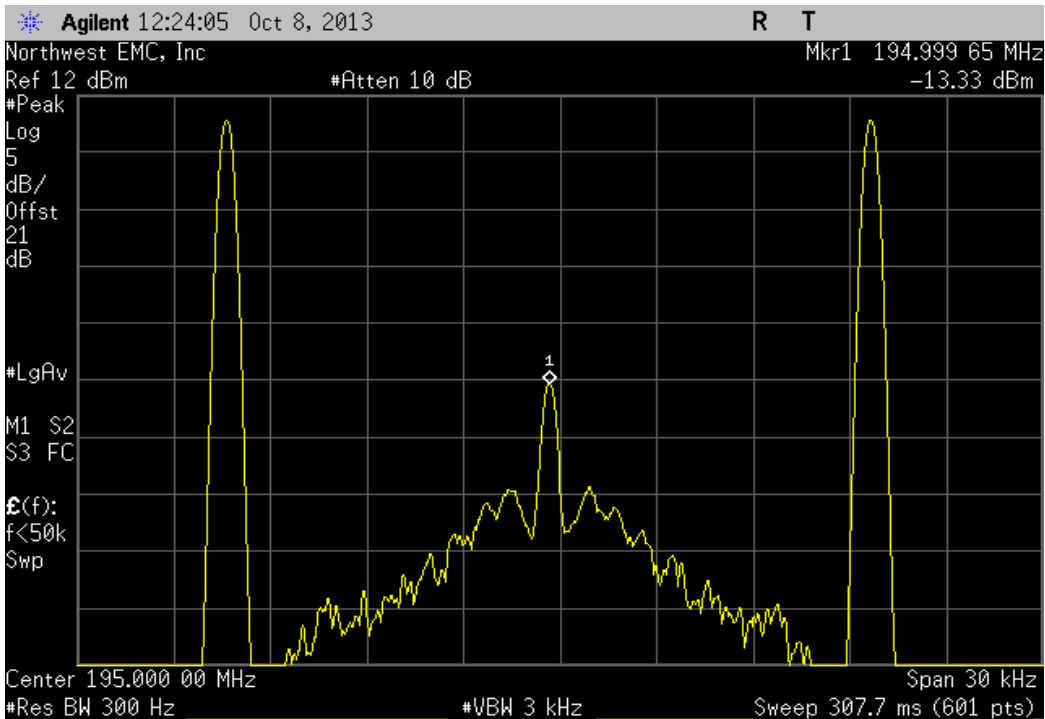
Mid Channel 195 MHz, Temperature: +10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9997	195	1.5	50	Pass	



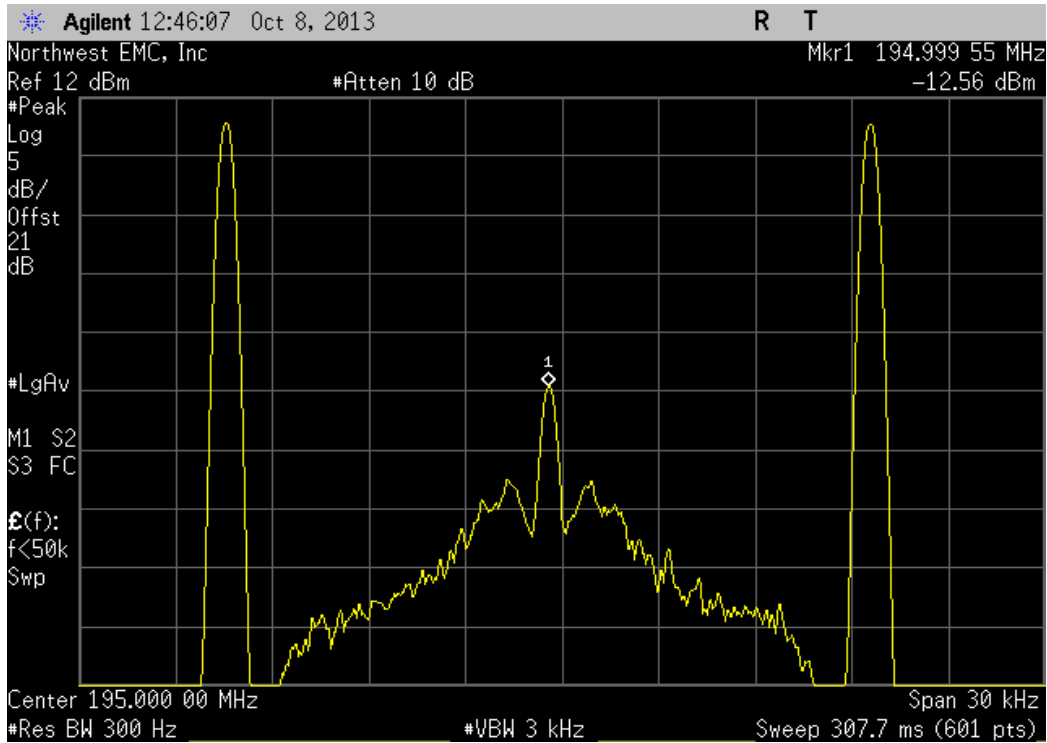
Mid Channel 195 MHz, Temperature: 0°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9997	195	1.5	50	Pass	



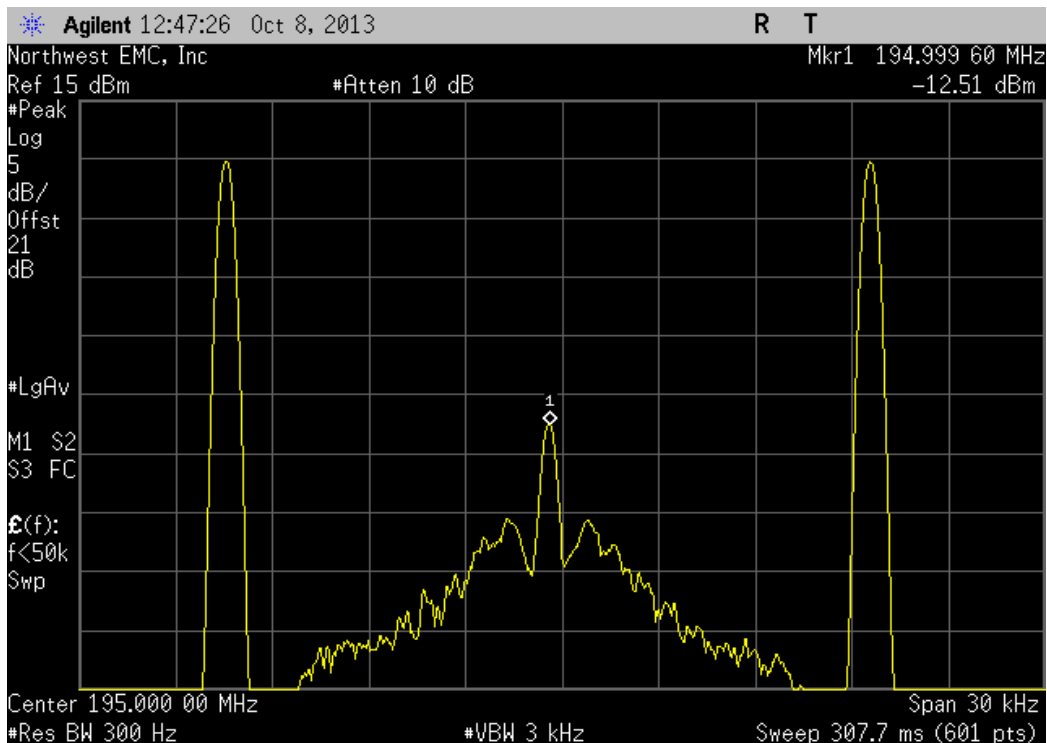
Mid Channel 195 MHz, Temperature: -10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.99965	195	1.8	50	Pass	



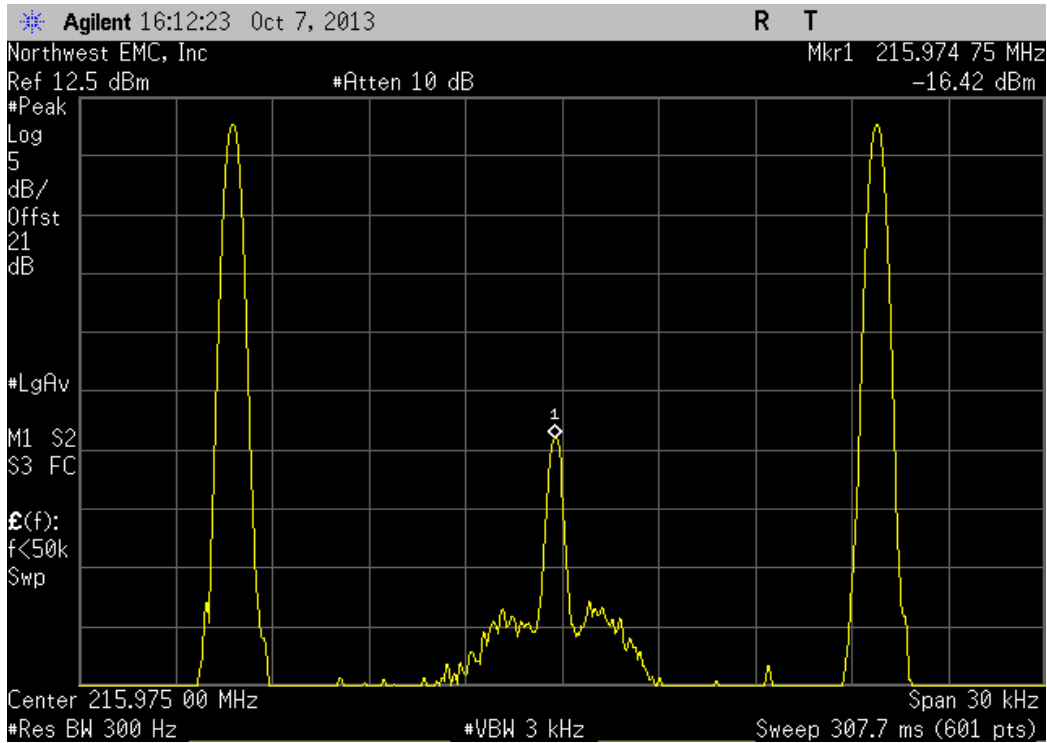
Mid Channel 195 MHz, Temperature: -20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.99955	195	2.3	50	Pass	



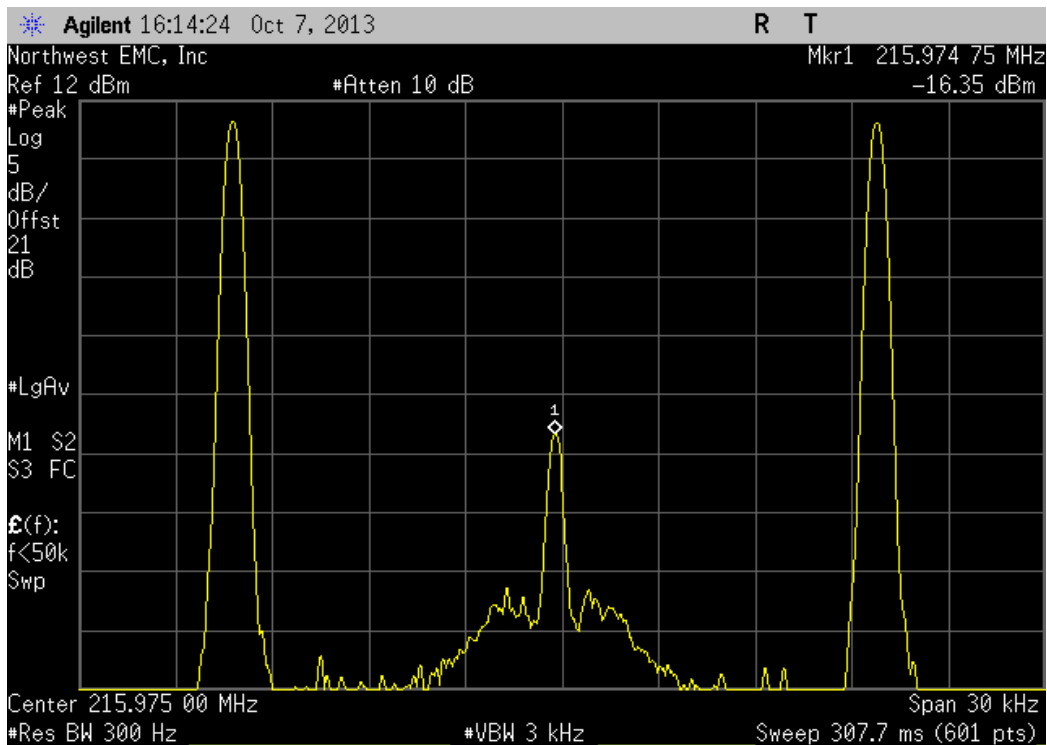
Mid Channel 195 MHz, Temperature: -30°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
194.9996	195	2	50	Pass	



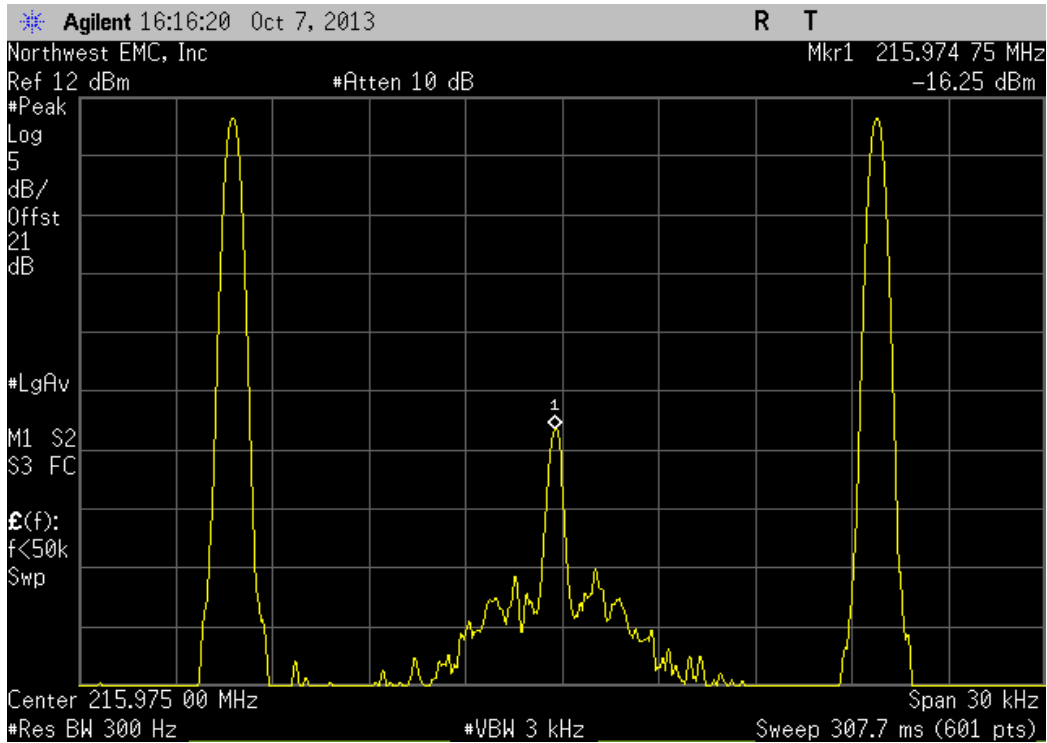
High Channel 215.975 MHz, Voltage: 115%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97475	215.975	1.2	50	Pass	



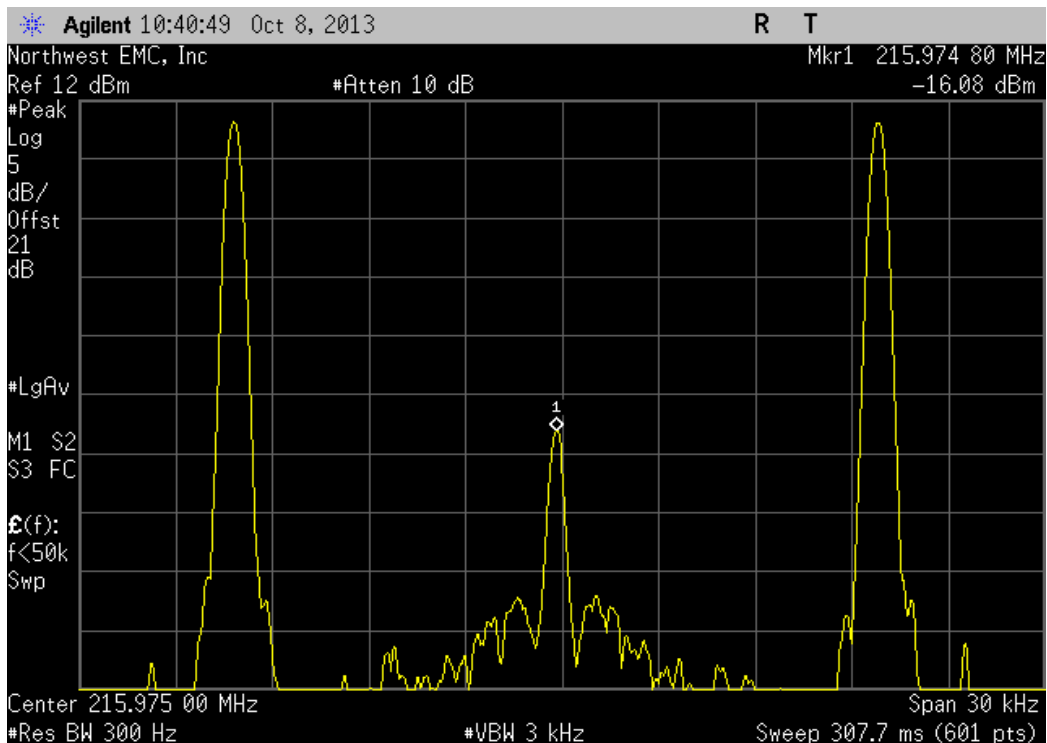
High Channel 215.975 MHz, Voltage: 100%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97475	215.975	1.2	50	Pass	



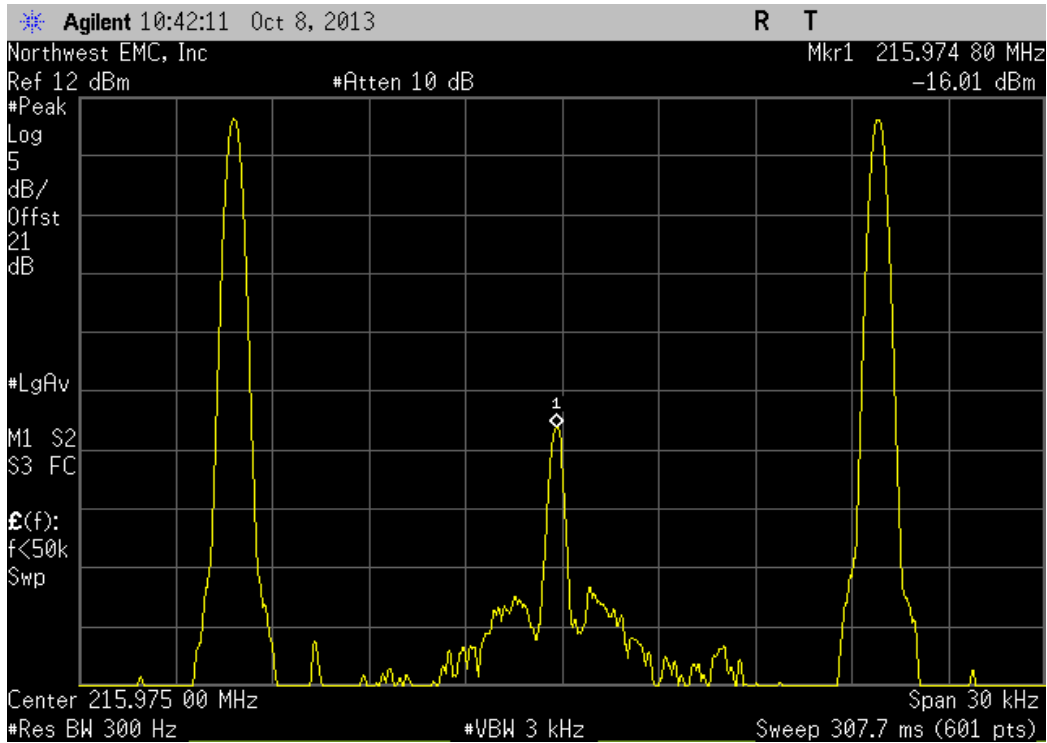
High Channel 215.975 MHz, Voltage: 85%					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97475	215.975	1.2	50	Pass	



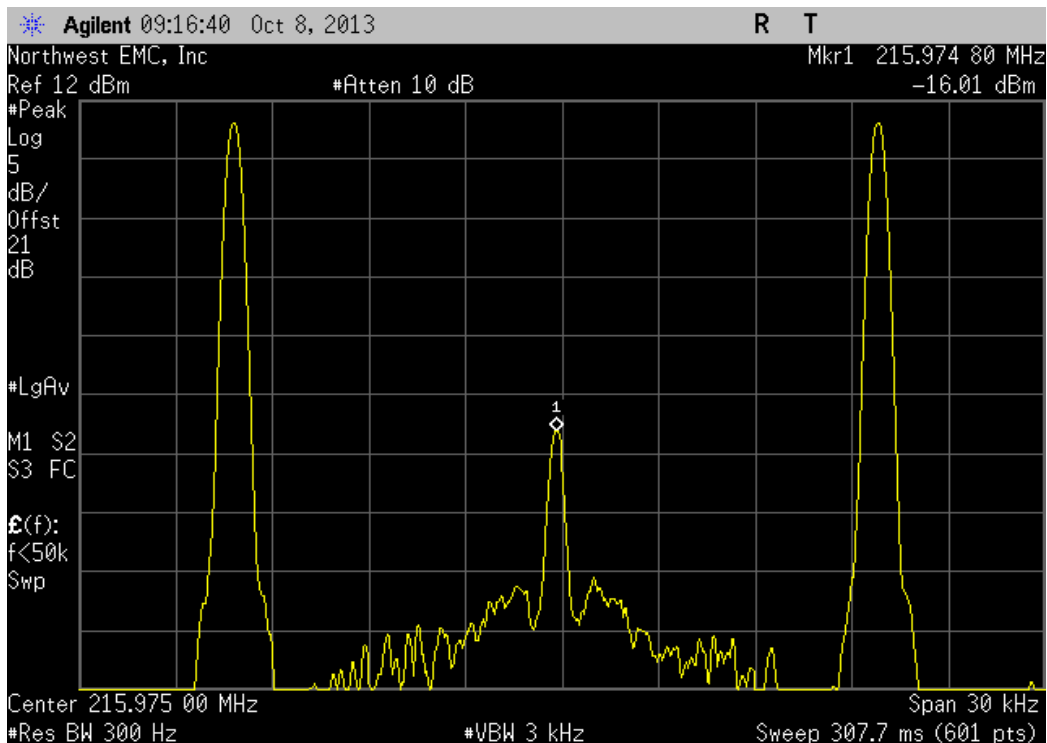
High Channel 215.975 MHz, Temperature: +50°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9748	215.975	0.9	50	Pass	



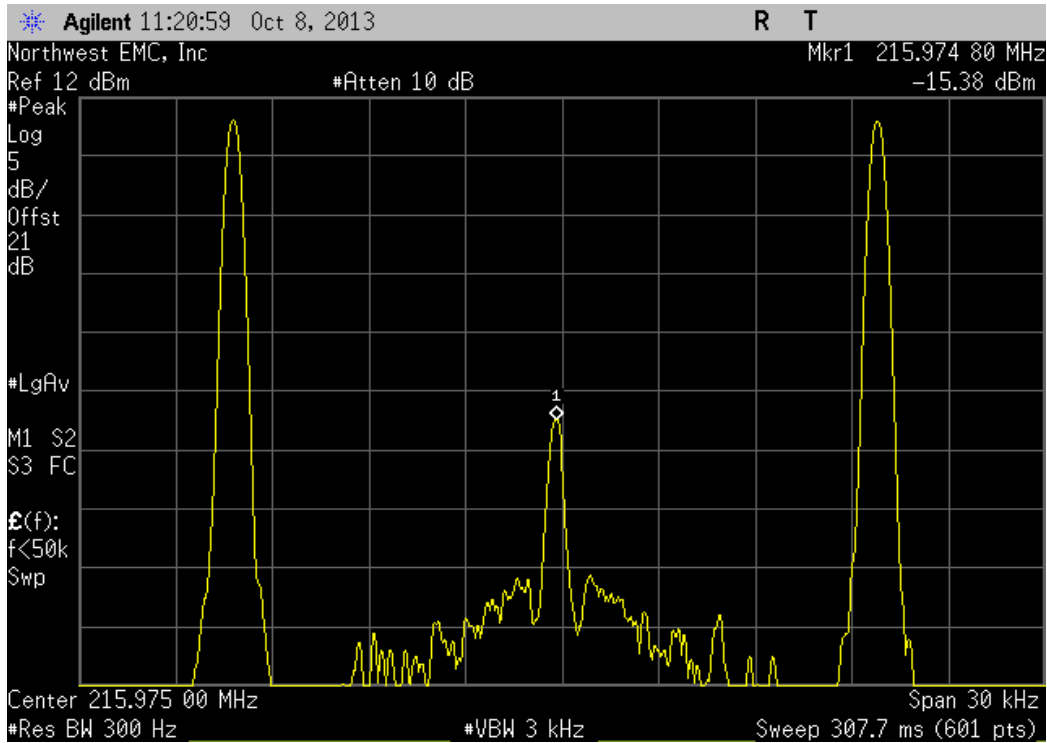
High Channel 215.975 MHz, Temperature: +40°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9748	215.975	0.9	50	Pass	



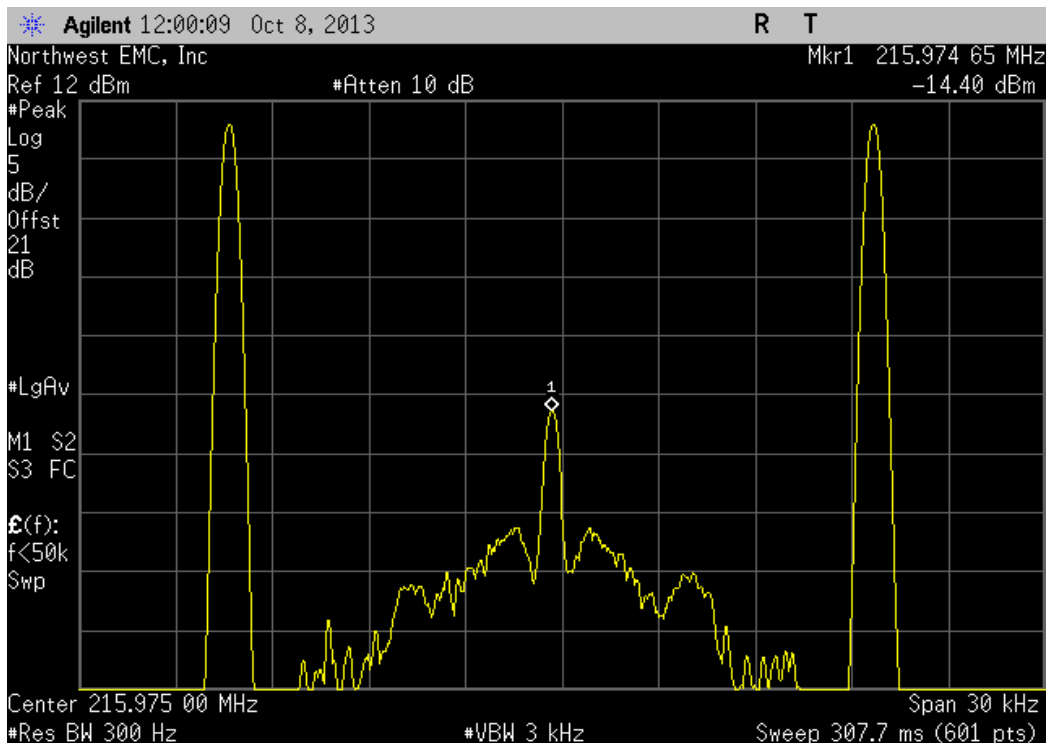
High Channel 215.975 MHz, Temperature: +30°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9748	215.975	0.9	50	Pass	



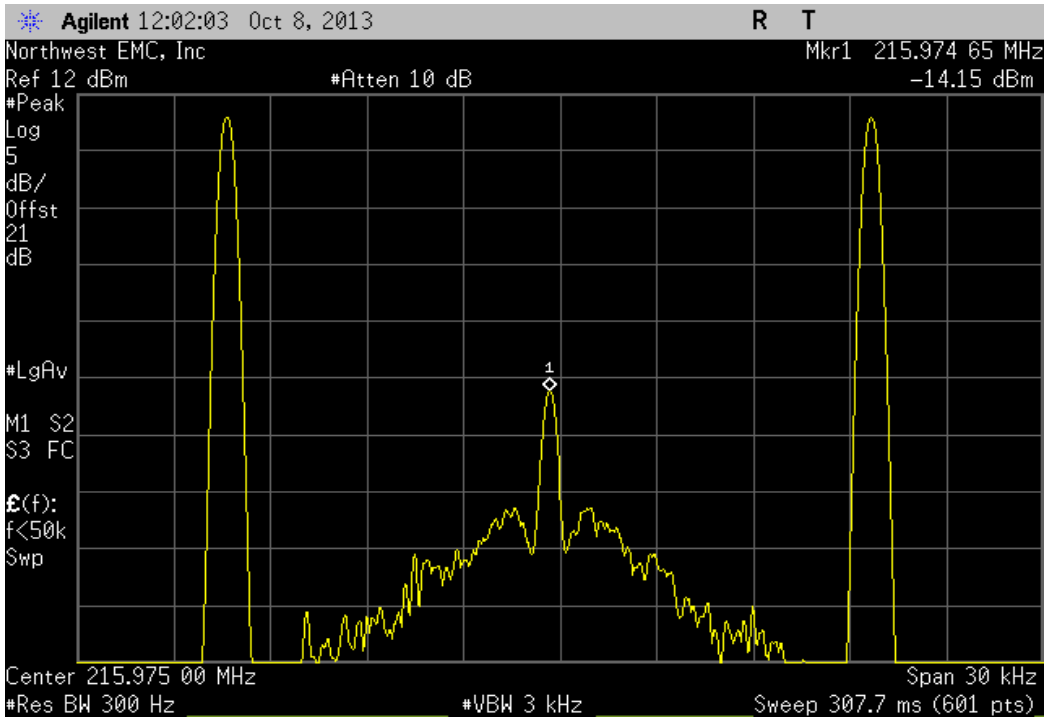
High Channel 215.975 MHz, Temperature: +20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9748	215.975	0.9	50	Pass	



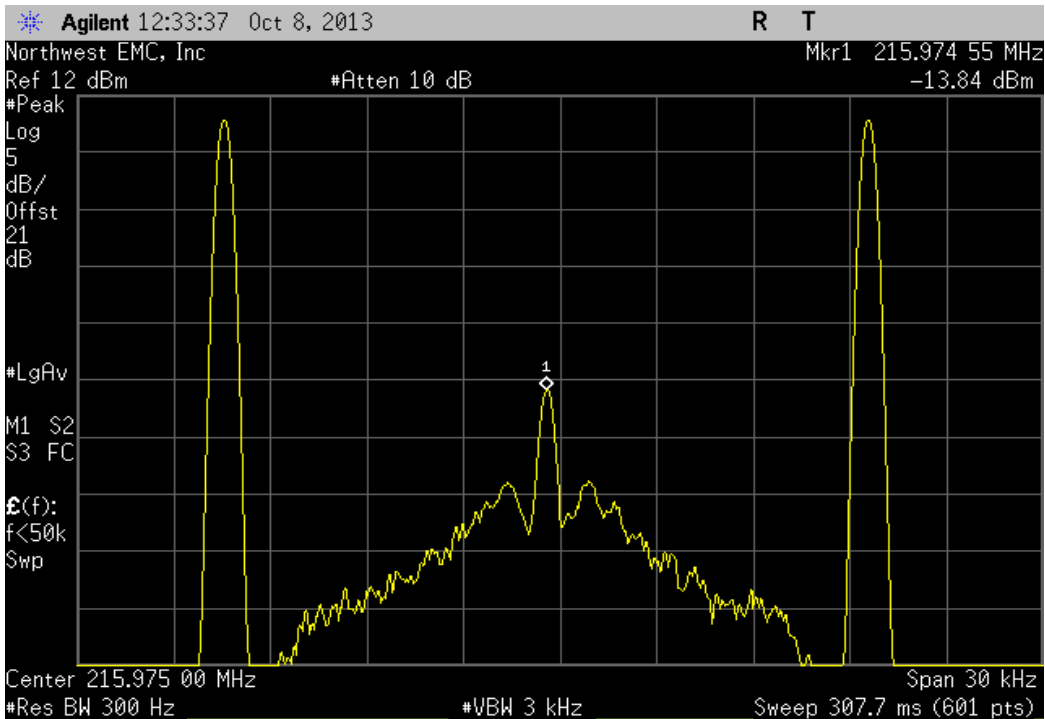
High Channel 215.975 MHz, Temperature: +10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97465	215.975	1.6	50	Pass	



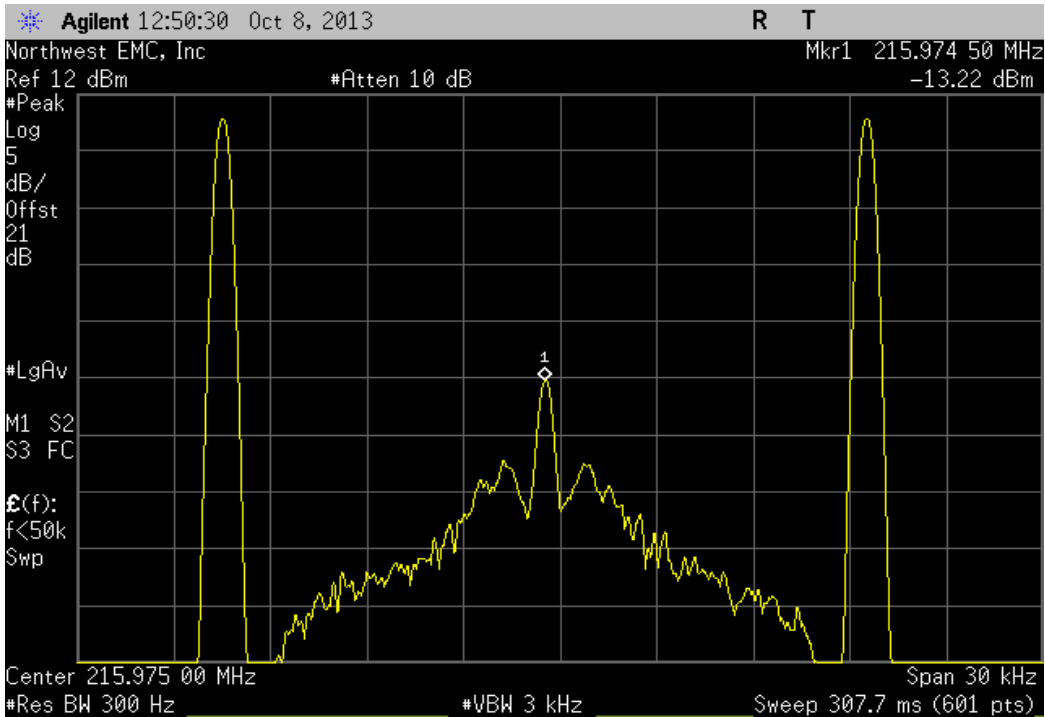
High Channel 215.975 MHz, Temperature: 0°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97465	215.975	1.6	50	Pass	



High Channel 215.975 MHz, Temperature: -10°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.97455	215.975	2.1	50	Pass	



High Channel 215.975 MHz, Temperature: -20°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9745	215.975	2.3	50	Pass	



High Channel 215.975 MHz, Temperature: -30°					
Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Result	
215.9745	215.975	2.3	50	Pass	

