NORTHWEST EMC

Axonics Modulation Technologies, Inc.

Charging Device (CD) Model - 1401 (MedRadio/MICS)

FCC 95I:2019

Report # AXON0041.5 Rev. 1

NVLAP TESTING

NVLAP Lab Code: 200676-0

CERTIFICATE OF TEST

NORTHWEST EMC
2014-12-10

Last Date of Test: April 21, 2016
Axonics Modulation Technologies, Inc.
Model: Charging Device (CD) Model - 1401 (MedRadio/MICS)

Radio Equipment Testing

Standards

Specification	Method
FCC 95I:2019	ANSI C63.26:2015
	FCC 95.2559:2019
	FCC 95.2579:2019

Results

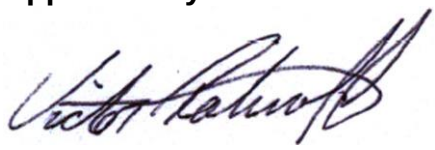
Method Clause	Test Description	Applied	Results	Comments
ANSI C63.26 5.2.3.3	Output Power	Yes	Pass	
ANSI C63.26 5.2.3.3, 5.2.7	Radiated Power (EIRP)	Yes	Pass	
ANSI C63.26 5.4.3	Emissions Bandwidth	Yes	Pass	
ANSI C63.26 5.5.4	Spurious Radiated Emissions	Yes	Pass	
ANSI C63.26 5.6	Frequency Stability	Yes	Pass	
ANSI C63.26 5.7	Spurious Conducted Emissions	Yes	Pass	
FCC 95.2579(a)(1)	Emissions Mask	Yes	Pass	
FCC 95.2559(a)(3-4)	LBT Threshold Power Level	Yes	Pass	
FCC 95.2559(a)(1)	Monitoring System Bandwidth	Yes	Pass	
FCC 95.2559(a)(2)	Monitoring System Scan Cycle Time	Yes	Pass	
FCC 95.2559(a)(2)	Minimum Channel Monitoring Period	Yes	Pass	
FCC 95.2559(a)(5)	Channel Access Based on Ambient Levels	Yes	Pass	
FCC 95.2559(a)(5)	Discontinuation MICS Session	Yes	Pass	
FCC 95.2559(a)(6)	Use of pre-scanned alternative channel	No	N/A	Feature not implemented.

The FCC reorganized Part 95 after the testing was completed. A gap analysis was performed by the test lab to compare the original requirements and standard references with those in the newly organized rule part. The original test data continues to demonstrate compliance to the new requirements as summarized in the table above.

Deviations From Test Standards

None

Approved By:



Victor Ratinoff, Operations Manager

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

REVISION HISTORY

NORTHWEST EMC
REV 2014.10.14

Revision Number	Description	Date	Page Number
01	Changed first date of test	2019-08-19	7
	Added items 1 thru 6 to modifications	2019-08-19	9
	Fixed PDF bookmarks	2019-08-19	N/A

ACCREDITATIONS AND AUTHORIZATIONS

REV 2016.7.25

United States

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

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

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

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.

European Union

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

Australia/New Zealand

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

Korea

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

Japan

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

Taiwan

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

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

Singapore

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

Israel

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

Hong Kong

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

Vietnam

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

SCOPE

For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/accreditations/
http://gsi.nist.gov/global/docs/cabs/designations.html

MEASUREMENT UNCERTAINTY

TMU.2015.07.10

Measurement Uncertainty

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

A measurement uncertainty estimation has been performed for each test per our internal quality document 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.

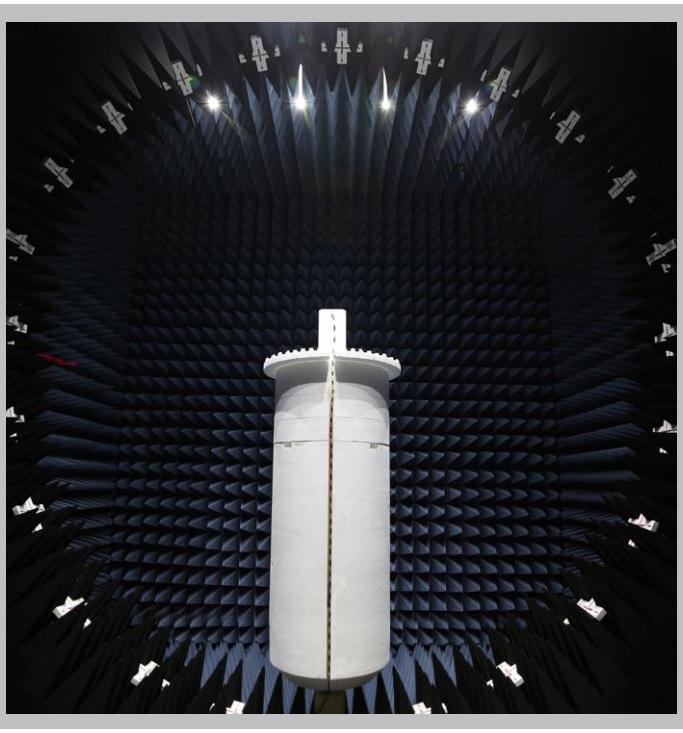
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

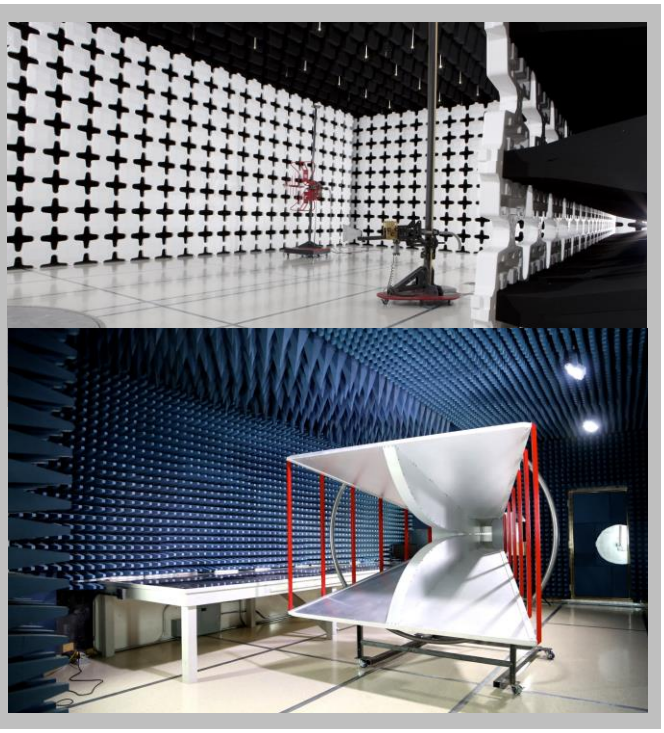
Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%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

FACILITIES

NORTHWEST EMC
REV 2016.7.25

California	Minnesota	New York	Oregon	Texas	Washington
Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Labs NC01-05 19201 120th Ave NE Bothell, WA 98011 (425)984-6600
NVLAP					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Innovation, Science and Economic Development Canada					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-*2*	2834G-1	2834F-1
BSMI					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157





PRODUCT DESCRIPTION

NORTHWEST EMC
2014-12-10

Client and Equipment Under Test (EUT) Information

Company Name:	Axonics Modulation Technologies, Inc.
Address:	7575 Irvine Center Drive Suite 200
City, State, Zip:	Irvine, CA 92618
Test Requested By:	Franklin Portillo
Model:	Charging Device (CD) Model - 1401 (MedRadio/MICS)
First Date of Test:	March 8, 2016
Last Date of Test:	April 21, 2016
Receipt Date of Samples:	February 25, 2016
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Charging Device

Testing Objective:
Seeking FCC authorization for the MedRadio transmitter radio to FCC Part 95I.

CONFIGURATIONS

NORTHWEST EMC 2014-12-10

Configuration AXON0041- 3

Software/Firmware Running during test	
Description	**Version**
IPG Link	1.0.1.75

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Charging Device	Axonics Modulation Technologies, Inc.	1401	AD1D260006

Configuration AXON0041- 6

Software/Firmware Running during test	
Description	**Version**
IPG Link	1.0.1.75

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Charging Device - Direct Connect	Axonics Modulation Technologies, Inc.	1401	AD1E360008

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Bluetooth Dongle	Bluegiga	BLED112	0521-14-3402

Remote Equipment Outside of Test Setup Boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Laptop	Toshiba	Satellite C55D-B5102	ZE315927P
Laptop Power Supply	Toshiba	PA3822U-1ACA	T0214490011014A
DC Power Supply	GW INSTEK	GPD-3303S	GEO861981

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Cable	No	1.8m	No	AC Mains	Laptop Power Supply
DC Cable	No	1.5m	Yes	Laptop	Laptop Power Supply
DC Cable	No	3.0m	No	Charging Device	DC Power Supply
AC Cable	No	1.8m	No	AC Mains	DC Power Supply
USB Cable	No	3.0m	No	Laptop	Bluetooth Dongle

MODIFICATIONS

NORTHWEST EMC
2014-12-10

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	3/8/2016	LBT Threshold Power Level	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	3/8/2016	Monitoring System 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.
3	3/8/2016	Monitoring System Scan Cycle Time	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	3/8/2016	Minimum Channel Monitoring Period	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	3/8/2016	Channel Access Based on Ambient Levels	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	3/8/2016	Discontinuation MICS Session	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	4/20/2016	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.
8	4/20/2016	Radiated Power (EIRP)	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.
9	4/21/2016	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.
10	4/21/2016	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.
11	4/21/2016	Emission Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
12	4/21/2016	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.
13	4/21/2016	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

OUTPUT POWER

XMit 2015.01.14

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 (mo)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/4/2016	12
Block - DC	Aeroflex	INMET 8535	AMO	4/4/2016	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

Per FCC Part 2.1046, RSS-GEN, the output power shall be measured at the RF terminal. The peak output power was measured with the EUT configured in the modes listed in the datasheet. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting at its maximum data rate.

FCC Part 95 and RSS-243 have no conducted output power limit. It is a requirement to characterize this information and that data is contained within this datasheet.

OUTPUT POWER

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1E360008			**Date:**	04/21/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	22.8°C
Attendees:	Franklin Portillo			**Humidity:**	37%
Project:	None			**Barometric Pres.:**	1012
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 95I:2016	ANSI/TIA/EIA-603-D-2010

COMMENTS

DC Block + 20dB Attenuator + Coax Cable = 20.93dB Total Offset

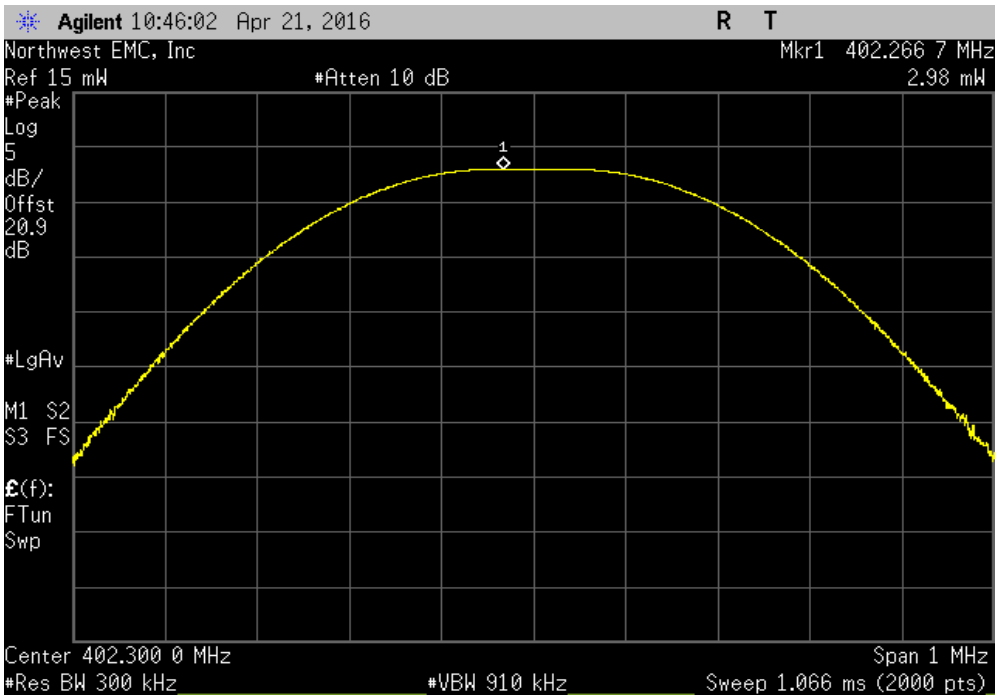
DEVIATIONS FROM TEST STANDARD

None

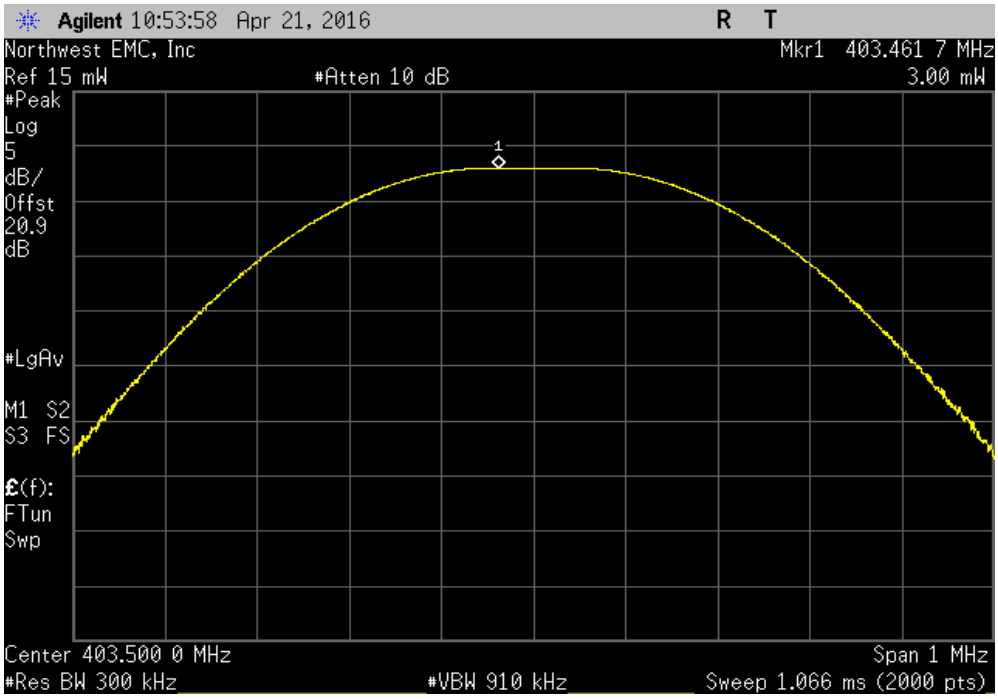
Configuration #	6	Signature

	Value	Limit	Result
Low Channel, 402.3 MHz	2.977 mW	N/A	N/A
Mid Channel, 403.5 MHz	2.999 mW	N/A	N/A
High Channel, 404.7 MHz	3.012 mW	N/A	N/A

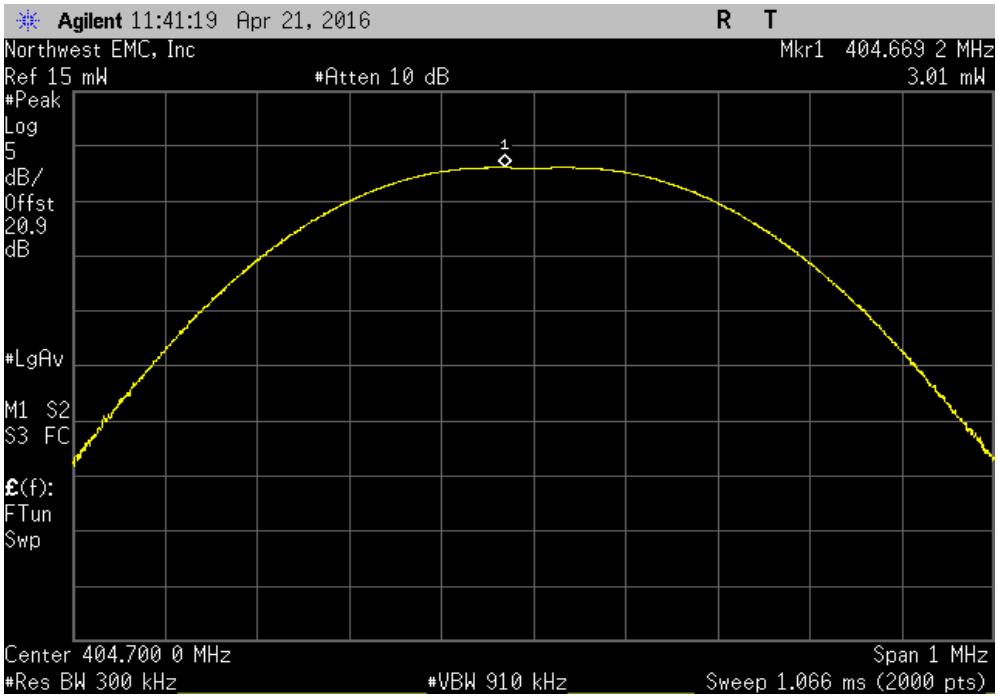
Low Channel, 402.3 MHz						
				Value	Limit	Result
				2.977 mW	N/A	N/A



Mid Channel, 403.5 MHz						
				Value	Limit	Result
				2.999 mW	N/A	N/A



High Channel, 404.7 MHz						
				Value	Limit	Result
				3.012 mW	N/A	N/A



RADIATED POWER (EIRP)

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

MODES OF OPERATION

Continuous Transmit Mode: Mid Channel (403.5MHz)

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

AXON0041 - 3

FREQUENCY RANGE INVESTIGATED

Start Frequency	402 MHz	Stop Frequency	405 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
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36 mo
Power Sensor	Agilent	E4412A	SQE	2/4/2016	12 mo
Meter - Power	Hewlett Packard	E4418A	SPA	2/4/2016	12 mo
Antenna - Dipole	EMCO	3121C-DB1,DB2,DB3,DB4	ADC	5/17/2013	36 mo
Amplifier - Pre-Amplifier	Miteq	AM-1064-9079	AOO	3/3/2016	12 mo
Cable	Northwest EMC	10kHz-1GHz RE Cables	OCH	3/3/2016	12 mo
Antenna - Biconilog	EMCO	3142B	AXK	10/6/2014	24 mo
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	2/9/2016	12 mo

TEST DESCRIPTION

Per 95.627(g)(3), the maximum radiated field strength for a MICS transmitter is 25uW EIRP. The Field Strength of the Fundamental data was converted to EIRP with the formula based upon the Friis transmission equation with 6 dB removed due to reflections from the ground plane: EIRP = ((E/2)*d)^2/30 where E is V/m and d = distance = 3m, and EIRP = W.

The Field Strength of the Fundamental was measured in the far-field at an FCC Listed Semi-anechoic Chamber. Spectrum analyzer and linearly polarized antennas were used to measure the radiated field strength of the fundamental.

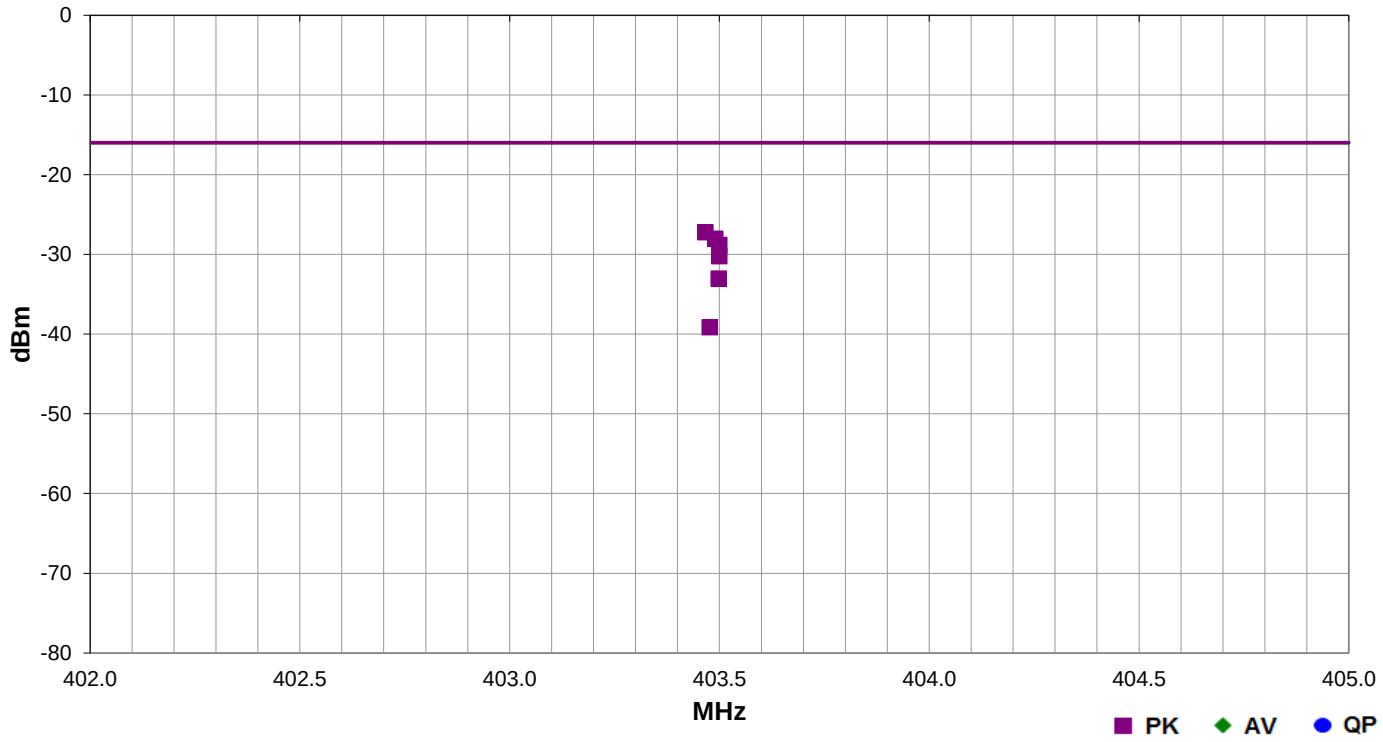
The orientation of the EUT and measurement antenna were manipulated to maximize the level of emissions. The turntable azimuth was varied to maximize the level of radiated emissions. The height of the measurement antenna was also varied from 1 to 4 meters. The amplitude and frequency of the emissions were noted.

RADIATED POWER (EIRP)

Work Order:	AXON0041	**Date:**	04/20/16		
Project:	None	**Temperature:**	21.4 °C		
Job Site:	OC10	**Humidity:**	33.4% RH		
Serial Number:	AD1D260006	**Barometric Pres.:**	1016 mbar	**Tested by:**	Johnny Candelas
EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)				
Configuration:	3				
Customer:	Axonics Modulation Technologies, Inc.				
Attendees:	None				
EUT Power:	Battery				
Operating Mode:	Continuous Transmit Mode: Mid Channel (403.5MHz)				
Deviations:	None				
Comments:	Transmit Power Index 2				

Test Specifications	**Test Method**
FCC 95I:2016	ANSI/TIA/EIA-603-D-2010

Run #	19	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**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
	403.467	1.0	297.0	Horz	PK	1.89E-06	-27.2	-16.0	-11.2	Mid Ch, EUT Horiz
	403.490	1.4	118.0	Vert	PK	1.57E-06	-28.0	-16.0	-12.0	Mid Ch, EUT Vert
	403.500	1.2	128.0	Vert	PK	1.31E-06	-28.8	-16.0	-12.8	Mid Ch, EUT on Side
	403.500	1.0	193.0	Horz	PK	9.49E-07	-30.2	-16.0	-14.2	Mid Ch, EUT on Side
	403.498	1.0	208.0	Horz	PK	4.98E-07	-33.0	-16.0	-17.0	Mid Ch, EUT Vert
	403.477	2.6	330.0	Vert	PK	1.22E-07	-39.1	-16.0	-23.1	Mid Ch, EUT Horiz

EMISSIONS BANDWIDTH

XMit 2015.01.14

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 (mo)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/4/2016	12
Block - DC	Aeroflex	INMET 8535	AMO	4/4/2016	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

Per 47 CFR 95.633(e)(3), 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, that are 20 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 1.0 percent of the emission bandwidth of the EUT.

EMISSIONS BANDWIDTH

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1E360008			**Date:**	04/21/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	22.8°C
Attendees:	Franklin Portillo			**Humidity:**	37%
Project:	None			**Barometric Pres.:**	1012
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 95I:2016	FCC 95.633(e)(3):2016

COMMENTS

DC Block + 20dB Attenuator + Coax Cable = 20.93dB Total Offset

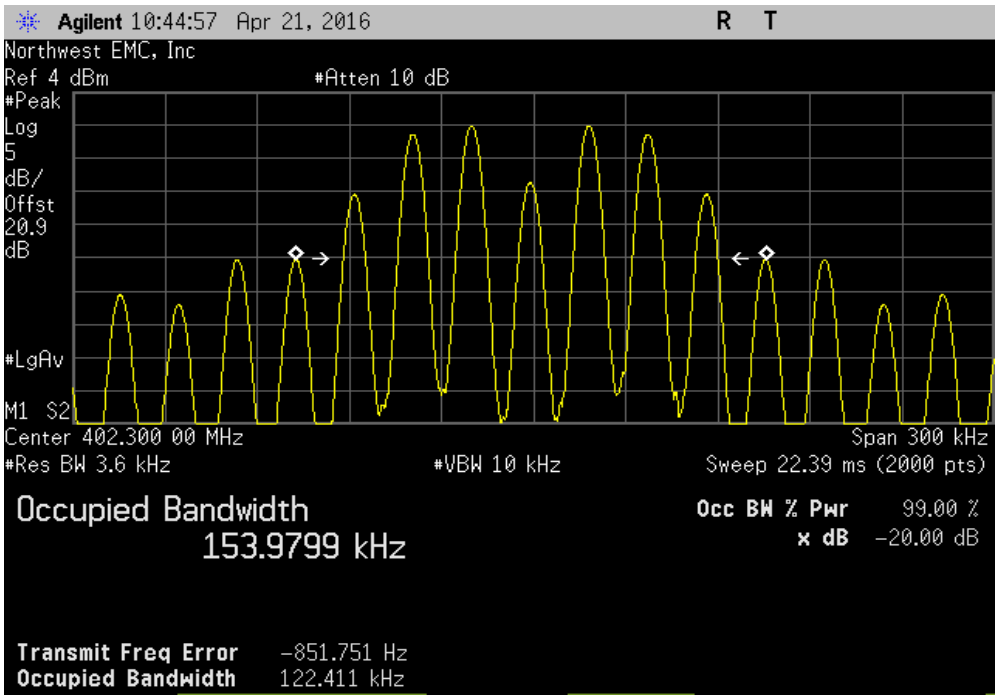
DEVIATIONS FROM TEST STANDARD

None

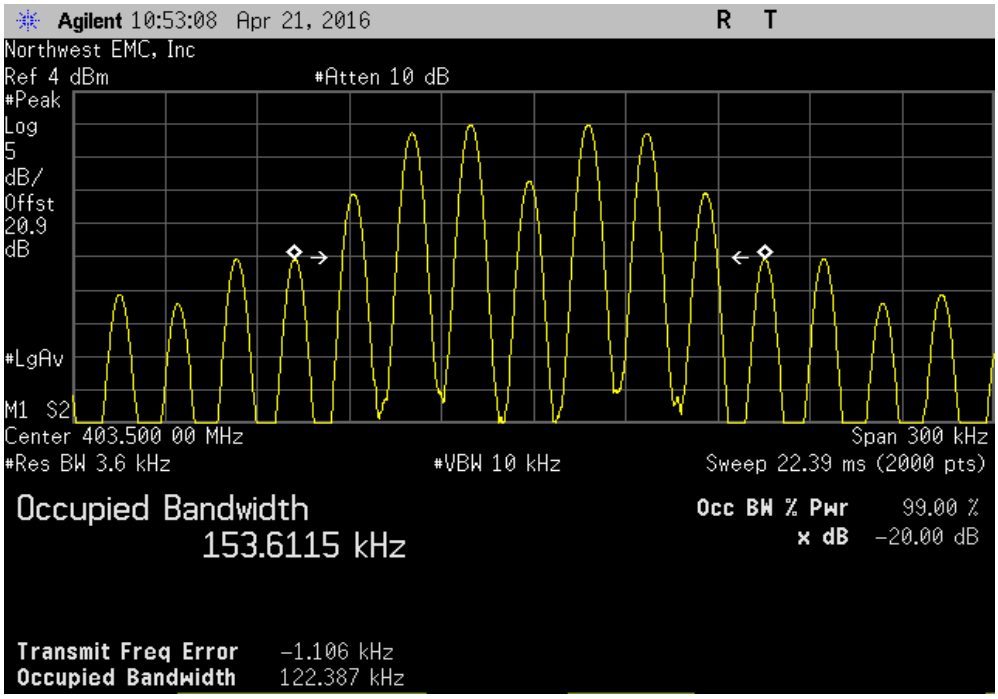
Configuration #	6	Signature

	Value	Limit (≤)	Result
Low Channel, 402.3 MHz	122.411 kHz	300 kHz	Pass
Mid Channel, 403.5 MHz	122.387 kHz	300 kHz	Pass
High Channel, 404.7 MHz	192.693 kHz	300 kHz	Pass

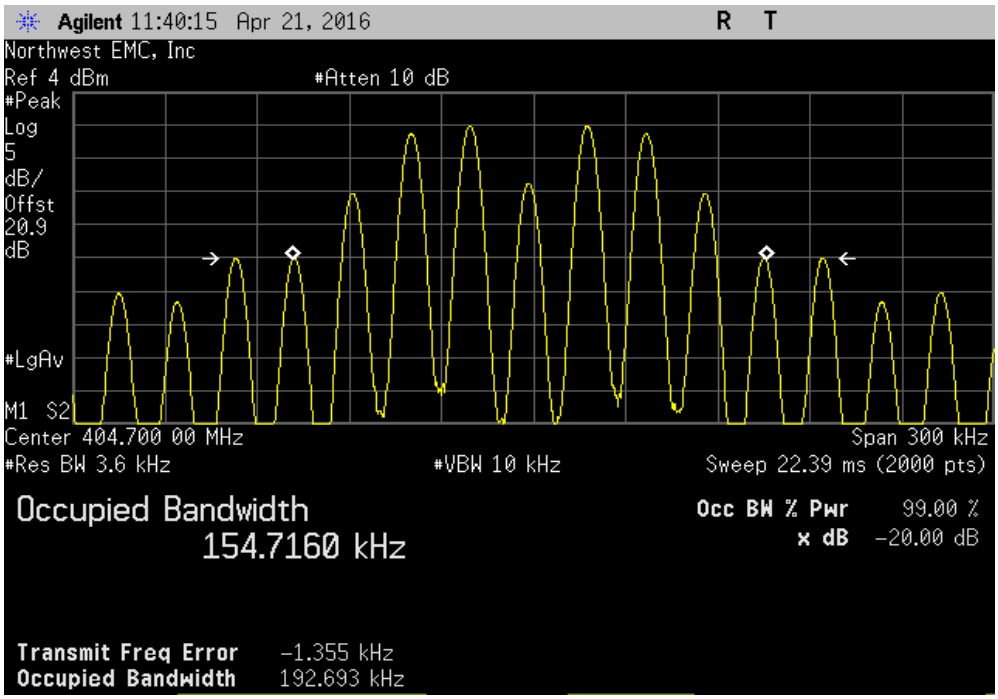
Low Channel, 402.3 MHz						
				Value	Limit (≤)	Result
				122.411 kHz	300 kHz	Pass



Mid Channel, 403.5 MHz						
				Value	Limit (≤)	Result
				122.387 kHz	300 kHz	Pass



High Channel, 404.7 MHz						
				Value	Limit (≤)	Result
				192.693 kHz	300 kHz	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

Continuous Transmit Mode: Mid Channel (403.5MHz)

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

AXON0041 - 3

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	5000 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
Amplifier - Pre-Amplifier	Miteq	AMF-4D-010120-30-10P-1	AOP	8/26/2015	12 mo
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	8/26/2015	12 mo
Antenna - Double Ridge	EMCO	3115	AHB	3/21/2016	24 mo
Amplifier - Pre-Amplifier	Miteq	AM-1064-9079	AOO	3/3/2016	12 mo
Cable	Northwest EMC	10kHz-1GHz RE Cables	OCH	3/3/2016	12 mo
Antenna - Biconilog	EMCO	3142B	AXK	10/6/2014	24 mo
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	2/9/2016	12 mo

TEST DESCRIPTION

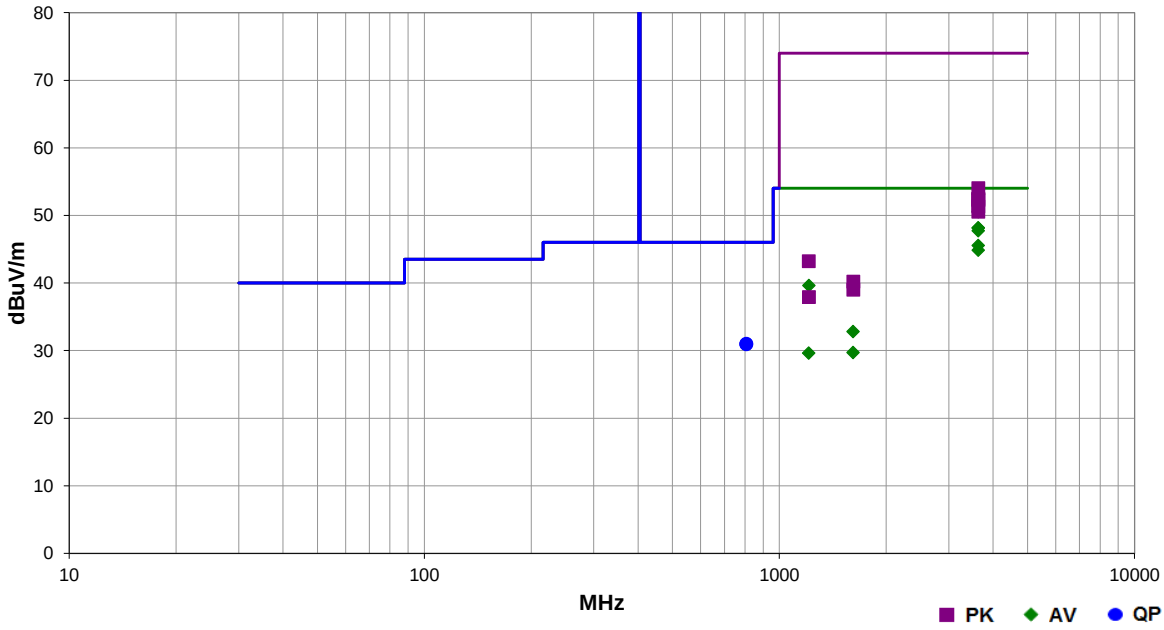
The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured in the modes listed in the datasheet. For each configuration, the spectrum was scanned throughout the specified range. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10). A preamp was used for this test in order to provide sufficient measurement sensitivity.

SPURIOUS RADIATED EMISSIONS

Work Order:	AXON0041	**Date:**	04/20/16		
Project:	None	**Temperature:**	21.4 °C		
Job Site:	OC10	**Humidity:**	33.4% RH		
Serial Number:	AD1D260006	**Barometric Pres.:**	1016 mbar	**Tested by:**	Johnny Candelas
EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)				
Configuration:	3				
Customer:	Axonics Modulation Technologies, Inc.				
Attendees:	None				
EUT Power:	Battery				
Operating Mode:	Continuous Transmit Mode: Mid Channel (403.5MHz)				
Deviations:	None				
Comments:	Transmit Power Index 2				

Test Specifications	**Test Method**
FCC 95I:2016	ANSI/TIA/EIA-603-D-2010

Run #	15	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 3(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
3631.433	43.6	6.9	2.1	146.0	3.0	0.0	Horz	AV	0.0	50.5	54.0	-3.5	Mid Ch, EUT Horiz
3631.467	41.2	6.9	2.4	108.0	3.0	0.0	Vert	AV	0.0	48.1	54.0	-5.9	Mid Ch, EUT Horiz
3631.467	41.2	6.9	1.4	183.0	3.0	0.0	Horz	AV	0.0	48.1	54.0	-5.9	Mid Ch, EUT on Side
3631.458	40.8	6.9	1.2	133.0	3.0	0.0	Vert	AV	0.0	47.7	54.0	-6.3	Mid Ch, EUT on Side
3631.483	38.6	6.9	1.4	249.0	3.0	0.0	Horz	AV	0.0	45.5	54.0	-8.5	Mid Ch, EUT Vert
3631.467	37.9	6.9	2.4	158.0	3.0	0.0	Vert	AV	0.0	44.8	54.0	-9.2	Mid Ch, EUT Vert
1210.517	43.1	-3.5	1.6	293.0	3.0	0.0	Horz	AV	0.0	39.6	54.0	-14.4	Mid Ch, EUT Horiz
807.037	19.4	11.6	1.0	211.0	3.0	0.0	Horz	QP	0.0	31.0	46.0	-15.0	Mid Ch, EUT Horiz
806.808	19.3	11.6	1.0	97.0	3.0	0.0	Vert	QP	0.0	30.9	46.0	-15.1	Mid Ch, EUT Horiz
3631.417	47.1	6.9	2.1	146.0	3.0	0.0	Horz	PK	0.0	54.0	74.0	-20.0	Mid Ch, EUT Horiz
1613.983	34.6	-1.8	1.0	359.0	3.0	0.0	Vert	AV	0.0	32.8	54.0	-21.2	Mid Ch, EUT Horiz
3631.617	45.5	6.9	2.4	108.0	3.0	0.0	Vert	PK	0.0	52.4	74.0	-21.6	Mid Ch, EUT Horiz
3631.458	45.5	6.9	1.4	183.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	Mid Ch, EUT on Side
3631.533	45.3	6.9	1.2	133.0	3.0	0.0	Vert	PK	0.0	52.2	74.0	-21.8	Mid Ch, EUT on Side
3631.658	44.4	6.9	1.4	249.0	3.0	0.0	Horz	PK	0.0	51.3	74.0	-22.7	Mid Ch, EUT Vert
3631.583	43.6	6.9	2.4	158.0	3.0	0.0	Vert	PK	0.0	50.5	74.0	-23.5	Mid Ch, EUT Vert
1613.967	31.5	-1.8	1.0	121.0	3.0	0.0	Horz	AV	0.0	29.7	54.0	-24.3	Mid Ch, EUT Horiz
1210.458	33.1	-3.5	1.3	81.0	3.0	0.0	Vert	AV	0.0	29.6	54.0	-24.4	Mid Ch, EUT Horiz
1210.467	46.7	-3.5	1.6	293.0	3.0	0.0	Horz	PK	0.0	43.2	74.0	-30.8	Mid Ch, EUT Horiz
1614.167	42.0	-1.8	1.0	359.0	3.0	0.0	Vert	PK	0.0	40.2	74.0	-33.8	Mid Ch, EUT Horiz
1614.233	40.8	-1.8	1.0	121.0	3.0	0.0	Horz	PK	0.0	39.0	74.0	-35.0	Mid Ch, EUT Horiz
1210.642	41.4	-3.5	1.3	81.0	3.0	0.0	Vert	PK	0.0	37.9	74.0	-36.1	Mid Ch, EUT Horiz

FREQUENCY STABILITY

XMit 2015.01.14

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 (mo)
Meter - Multimeter	Fluke	79 III	MMD	2/11/2016	36
Thermometer	Omega Engineering, Inc.	HH311	DUC	10/3/2014	36
Chamber - Temperature/Humidity	Cincinnati Sub Zero (CSZ)	ZPHS-32-3.5-SCT/AC	TBE	NCR	0
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/4/2016	12
Block - DC	Aeroflex	INMET 8535	AMO	4/4/2016	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

Variation of Supply Voltage
The primary supply voltage was varied over the range specified by the client. Per the client, the device only works over this voltage range; it will shut off if the voltage is outside the specified range.

Variation of Ambient Temperature
Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range (0° to +55°C, in 10° increments).

The Frequency Stability was measured using a direct connection between the EUT and a spectrum analyzer. The spectrum analyzer is configured with a precision frequency reference that exceeds the stability requirement of the transmitter. The EUT was placed inside a temperature / humidity chamber.

FREQUENCY STABILITY

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1E360008			**Date:**	04/21/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	22.8°C
Attendees:	Franklin Portillo			**Humidity:**	37%
Project:	None			**Barometric Pres.:**	1012
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95I:2016	ANSI/TIA/EIA-603-D-2010

COMMENTS

DC Block + 20dB Attenuator + Coax Cable = 20.93dB Total Offset

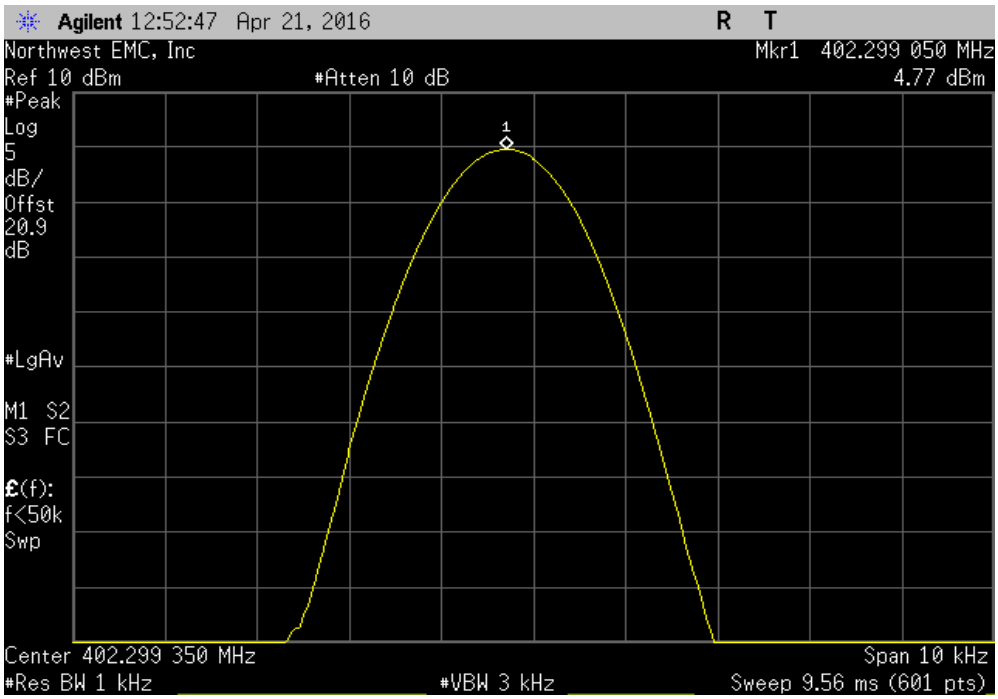
DEVIATIONS FROM TEST STANDARD

None

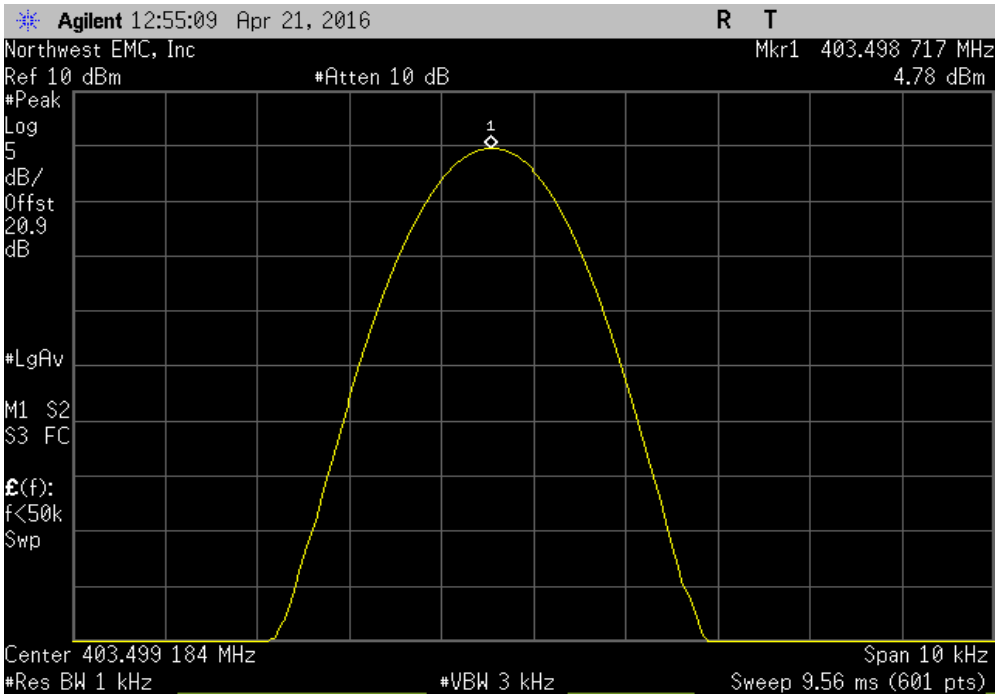
Configuration #	6	*Signature*

	Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
Nominal Battery Voltage, 3.8VDC					
Low Channel, 402.3 MHz	402.29905	402.3	2.4	100	Pass
Mid Channel, 403.5 MHz	403.498717	403.5	3.2	100	Pass
High Channel, 404.7 MHz	404.698417	404.7	3.9	100	Pass
Extreme Battery Full Voltage, 4.5VDC					
Low Channel, 402.3 MHz	402.299034	402.3	2.4	100	Pass
Mid Channel, 403.5 MHz	403.498717	403.5	3.2	100	Pass
High Channel, 404.7 MHz	404.698417	404.7	3.9	100	Pass
Extreme Battery Shutdown Voltage, 3.3VDC					
Low Channel, 402.3 MHz	402.299017	402.3	2.4	100	Pass
Mid Channel, 403.5 MHz	403.498717	403.5	3.2	100	Pass
High Channel, 404.7 MHz	404.6984	404.7	4	100	Pass
Extreme Temperature +55°C					
Low Channel, 402.3 MHz	402.297998	402.3	5	100	Pass
Mid Channel, 403.5 MHz	403.497697	403.5	5.7	100	Pass
High Channel, 404.7 MHz	404.697399	404.7	6.4	100	Pass
Extreme Temperature +50°C					
Low Channel, 402.3 MHz	402.297881	402.3	5.3	100	Pass
Mid Channel, 403.5 MHz	403.497598	403.5	6	100	Pass
High Channel, 404.7 MHz	404.697297	404.7	6.7	100	Pass
Extreme Temperature +40°C					
Low Channel, 402.3 MHz	402.298065	402.3	4.8	100	Pass
Mid Channel, 403.5 MHz	403.497764	403.5	5.5	100	Pass
High Channel, 404.7 MHz	404.697464	404.7	6.3	100	Pass
Extreme Temperature +30°C					
Low Channel, 402.3 MHz	402.298599	402.3	3.5	100	Pass
Mid Channel, 403.5 MHz	403.4983	403.5	4.2	100	Pass
High Channel, 404.7 MHz	404.698015	404.7	4.9	100	Pass
Extreme Temperature +20°C					
Low Channel, 402.3 MHz	402.29915	402.3	2.1	100	Pass
Mid Channel, 403.5 MHz	403.498817	403.5	2.9	100	Pass
High Channel, 404.7 MHz	404.698517	404.7	3.7	100	Pass
Extreme Temperature +10°C					
Low Channel, 402.3 MHz	402.29955	402.3	1.1	100	Pass
Mid Channel, 403.5 MHz	403.499268	403.5	1.8	100	Pass
High Channel, 404.7 MHz	404.698968	404.7	2.6	100	Pass
Extreme Temperature 0°C					
Low Channel, 402.3 MHz	402.29965	402.3	0.9	100	Pass
Mid Channel, 403.5 MHz	403.499368	403.5	1.6	100	Pass
High Channel, 404.7 MHz	404.699051	404.7	2.3	100	Pass

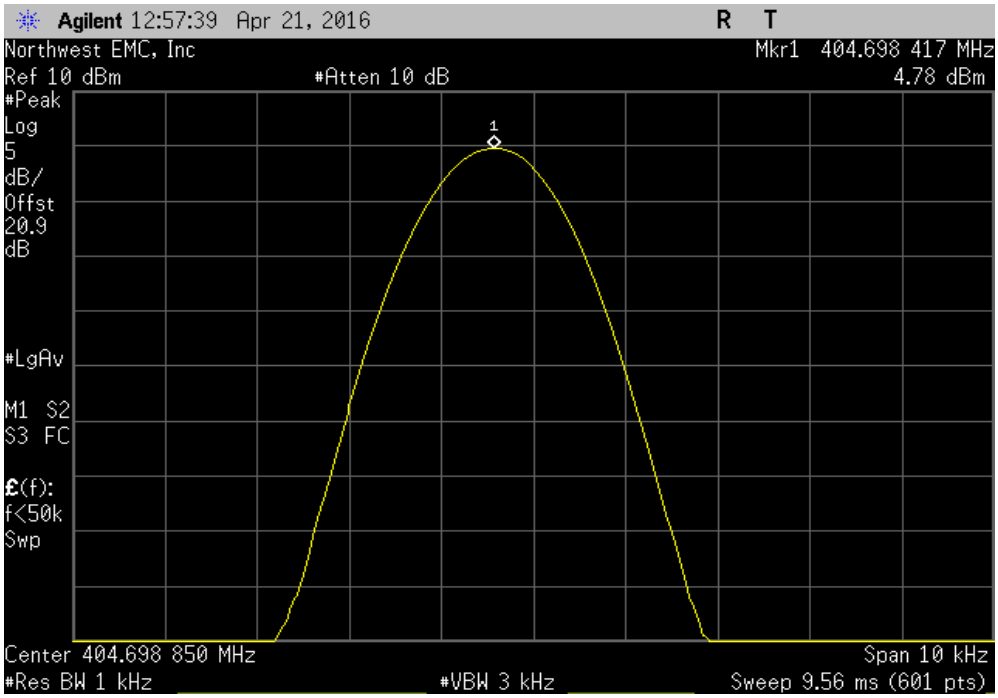
Nominal Battery Voltage, 3.8VDC, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.29905	402.3	2.4	100	Pass



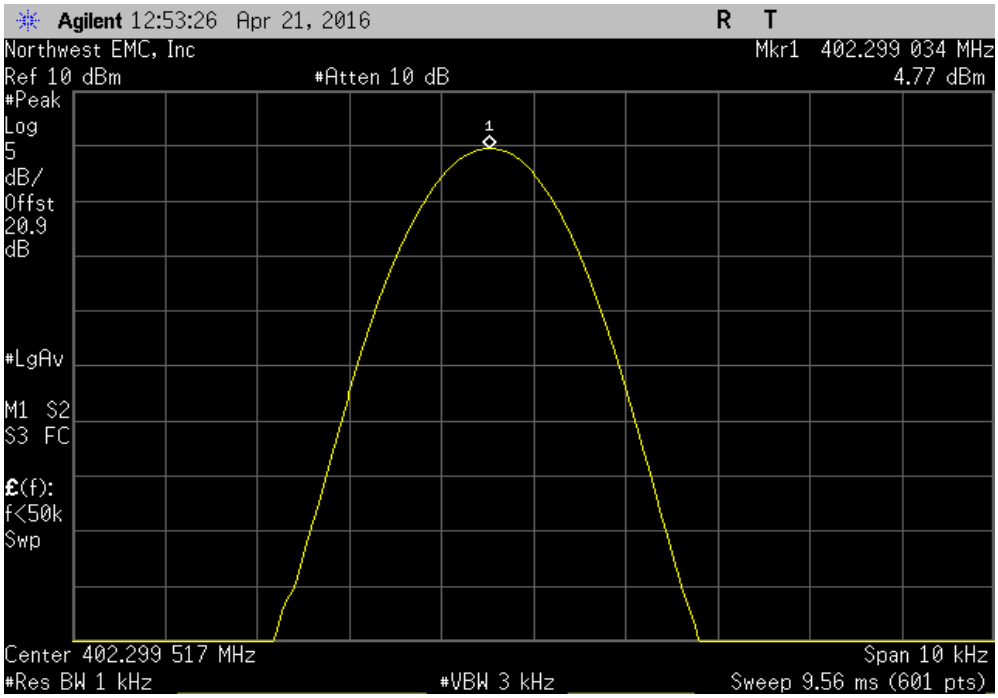
Nominal Battery Voltage, 3.8VDC, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.498717	403.5	3.2	100	Pass



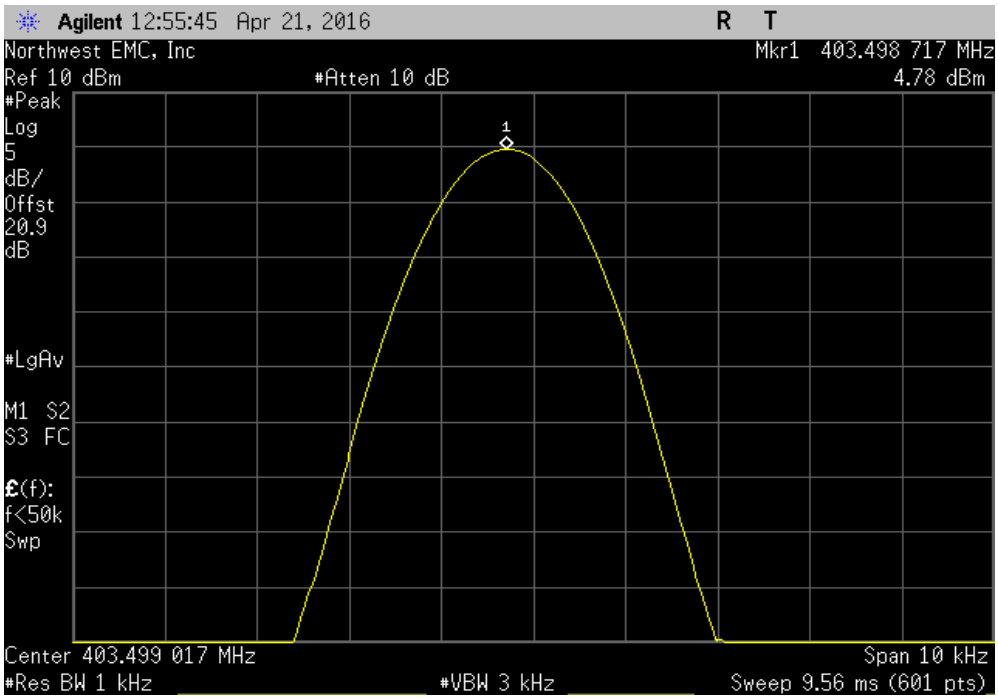
Nominal Battery Voltage, 3.8VDC, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.698417	404.7	3.9	100	Pass



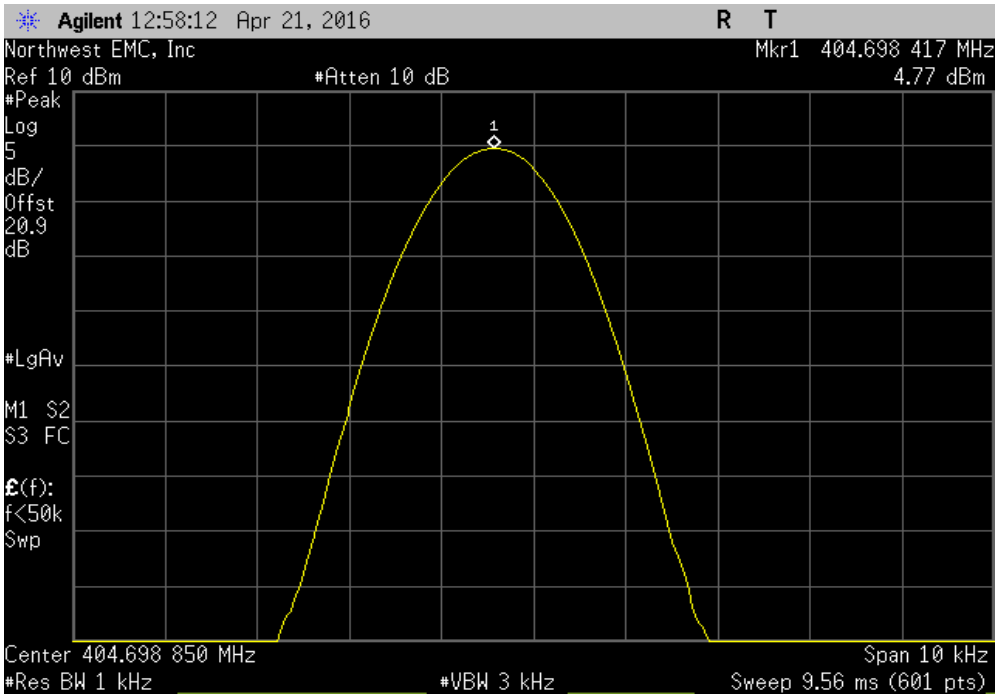
Extreme Battery Full Voltage, 4.5VDC, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.299034	402.3	2.4	100	Pass



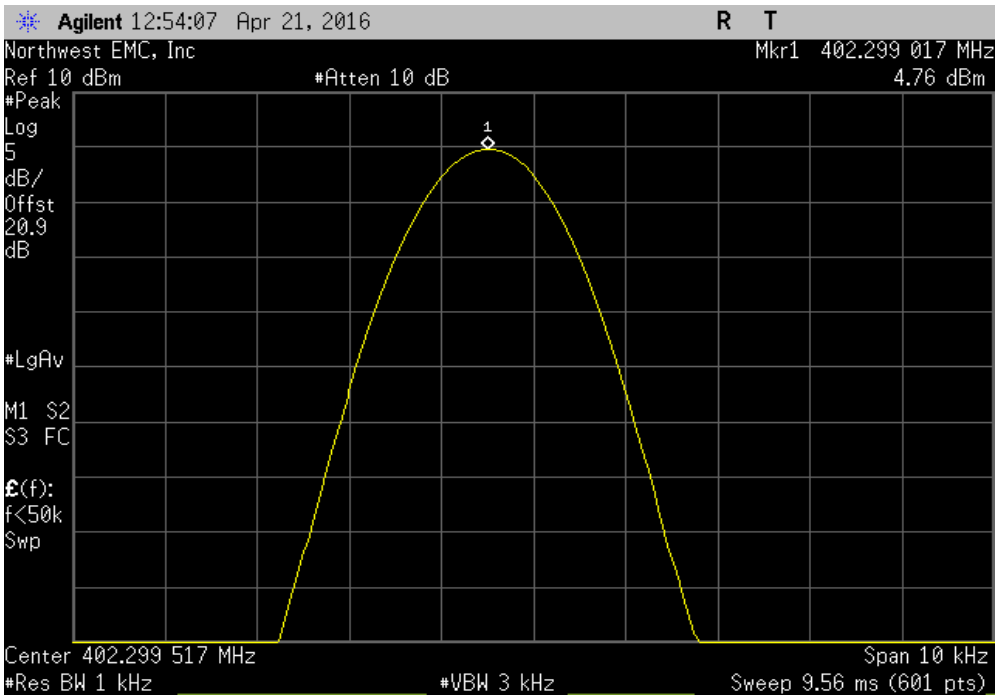
Extreme Battery Full Voltage, 4.5VDC, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.498717	403.5	3.2	100	Pass



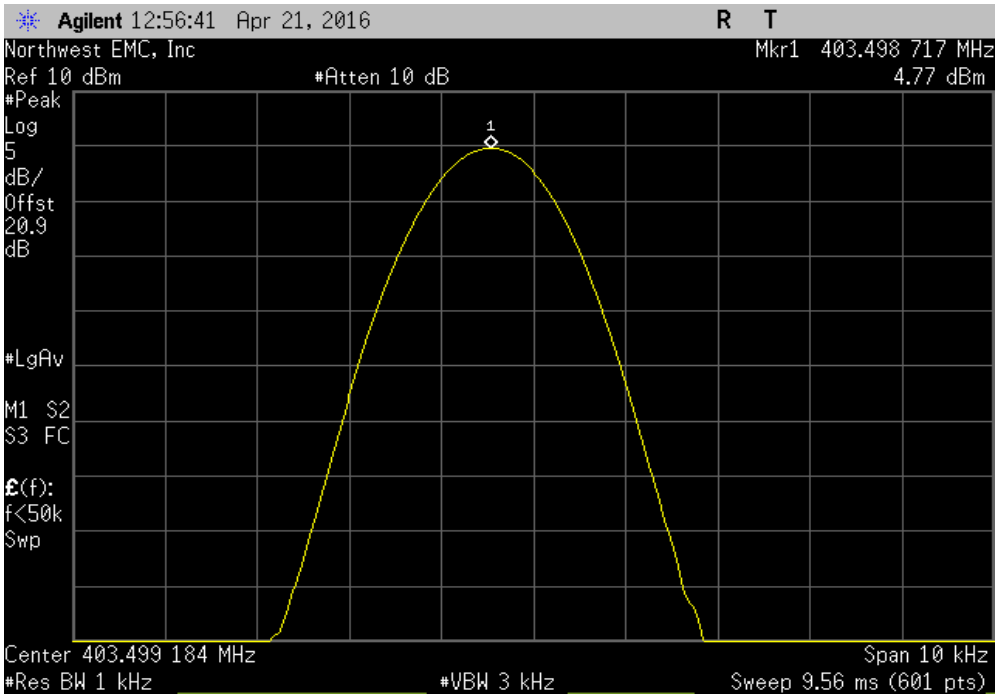
Extreme Battery Full Voltage, 4.5VDC, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.698417	404.7	3.9	100	Pass



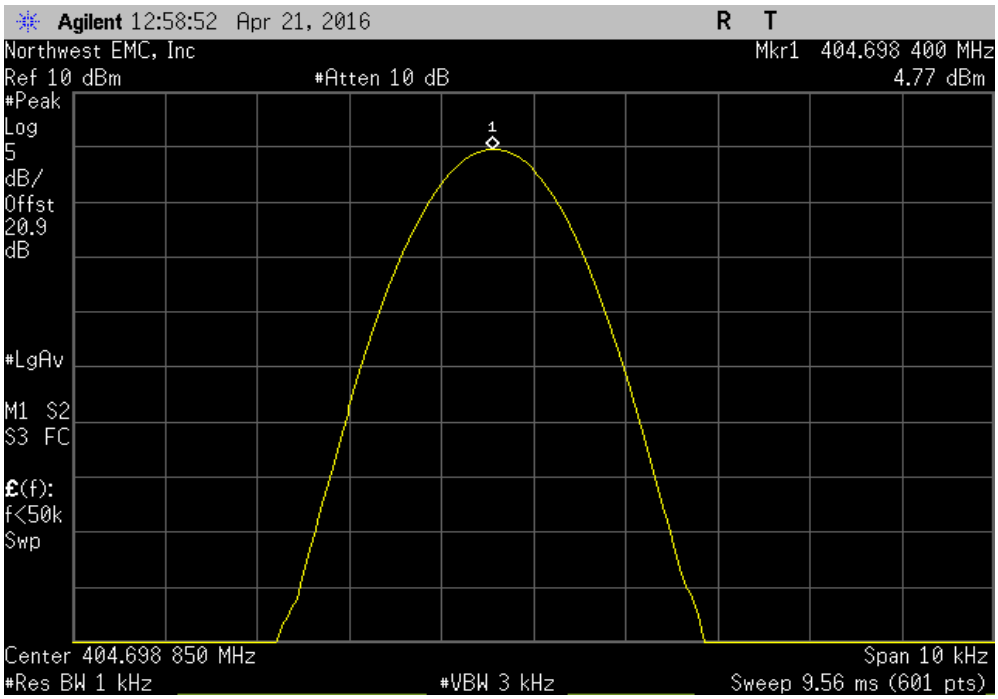
Extreme Battery Shutdown Voltage, 3.3VDC, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.299017	402.3	2.4	100	Pass



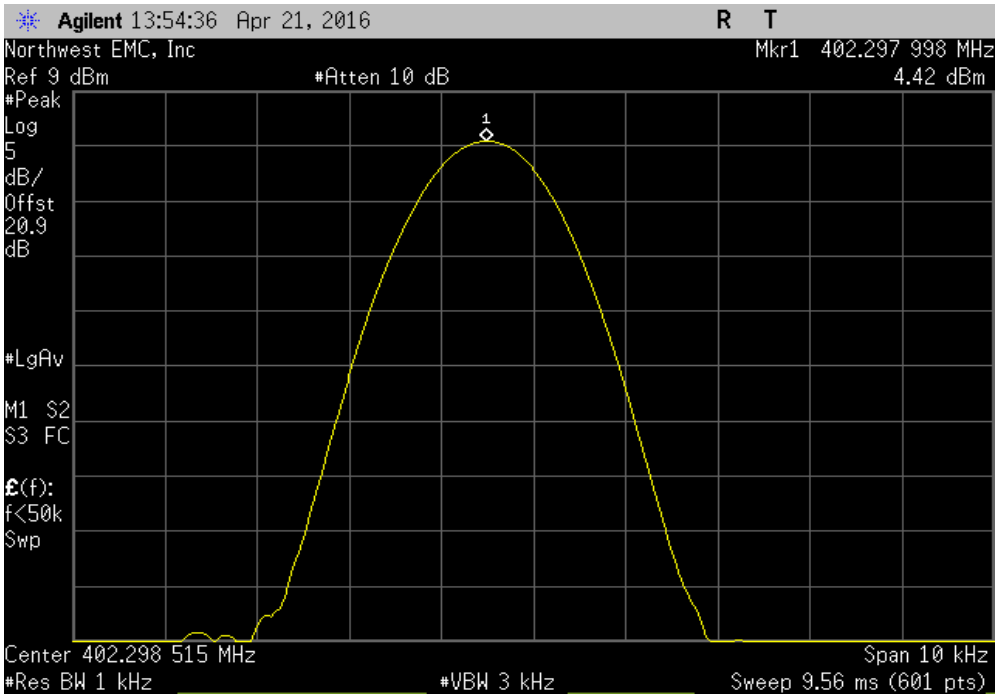
Extreme Battery Shutdown Voltage, 3.3VDC, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.498717	403.5	3.2	100	Pass



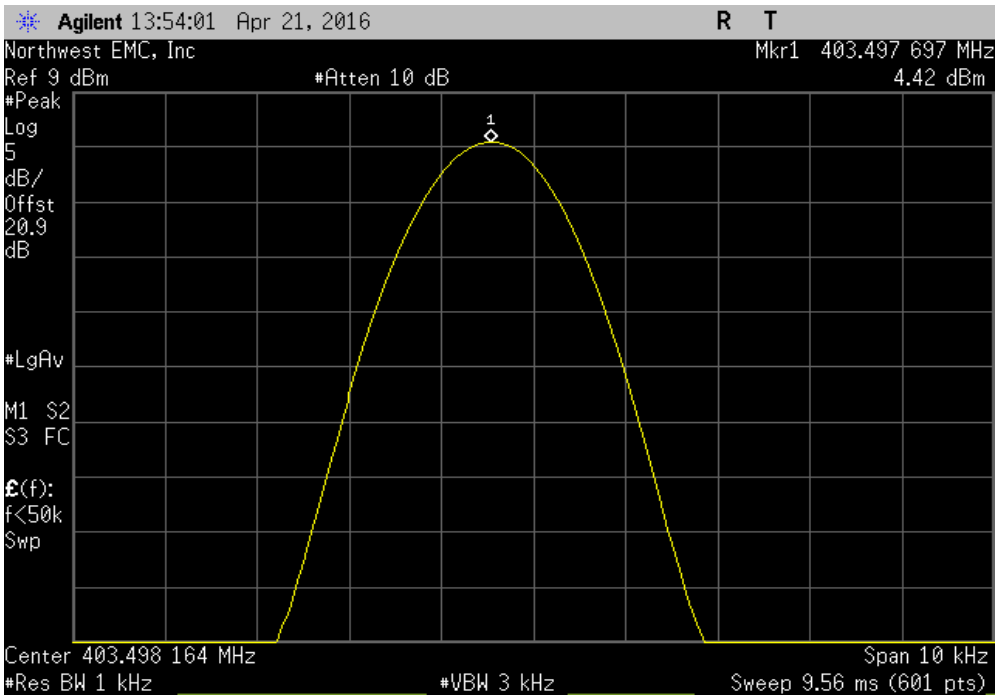
Extreme Battery Shutdown Voltage, 3.3VDC, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.6984	404.7	4	100	Pass



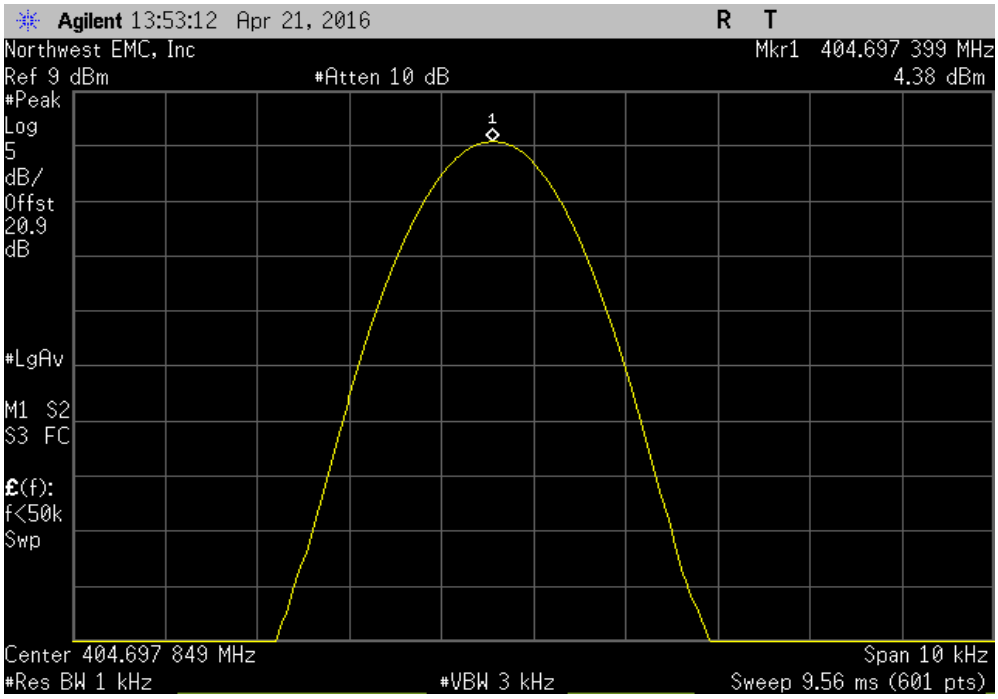
Extreme Temperature +55°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.297998	402.3	5	100	Pass



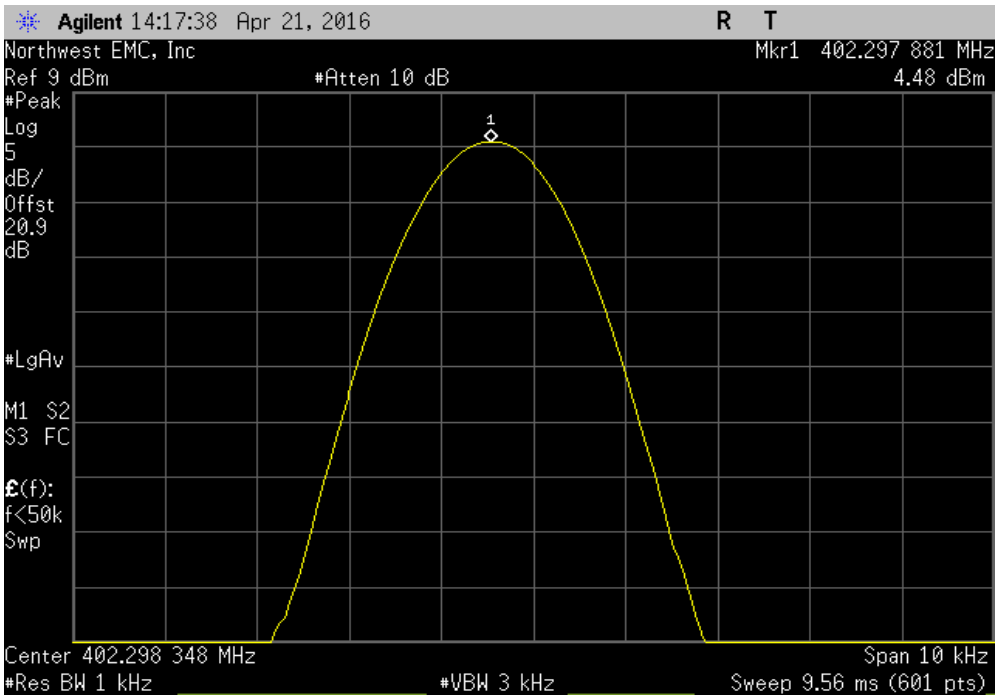
Extreme Temperature +55°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.497697	403.5	5.7	100	Pass



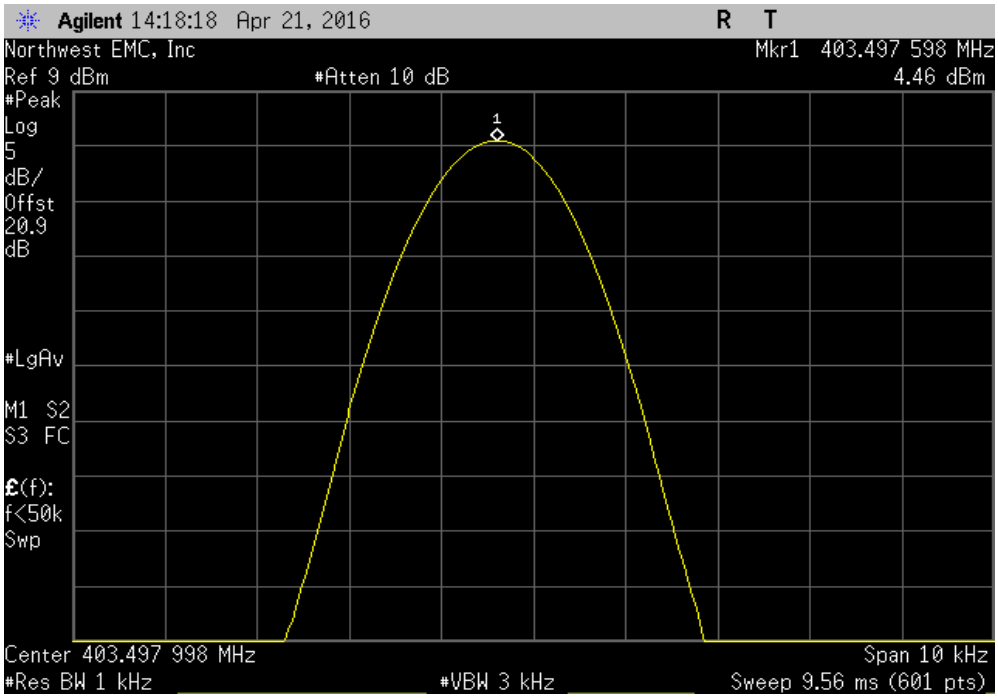
Extreme Temperature +55°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.697399	404.7	6.4	100	Pass



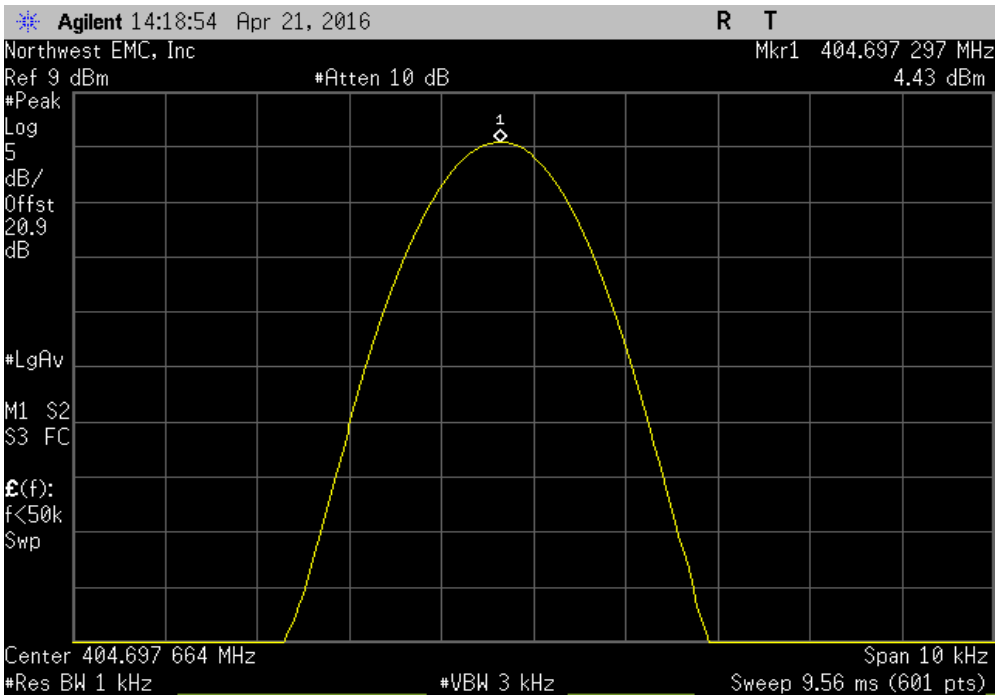
Extreme Temperature +50°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.297881	402.3	5.3	100	Pass



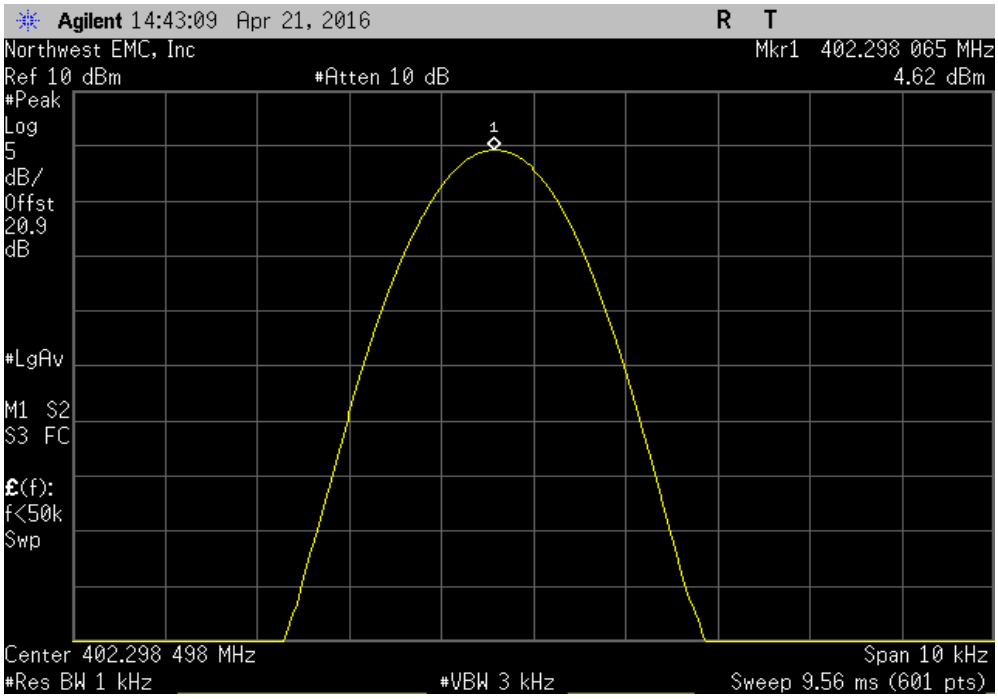
Extreme Temperature +50°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.497598	403.5	6	100	Pass



Extreme Temperature +50°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.697297	404.7	6.7	100	Pass



Extreme Temperature +40°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.298065	402.3	4.8	100	Pass



Extreme Temperature +40°C, Mid Channel, 403.5 MHz						
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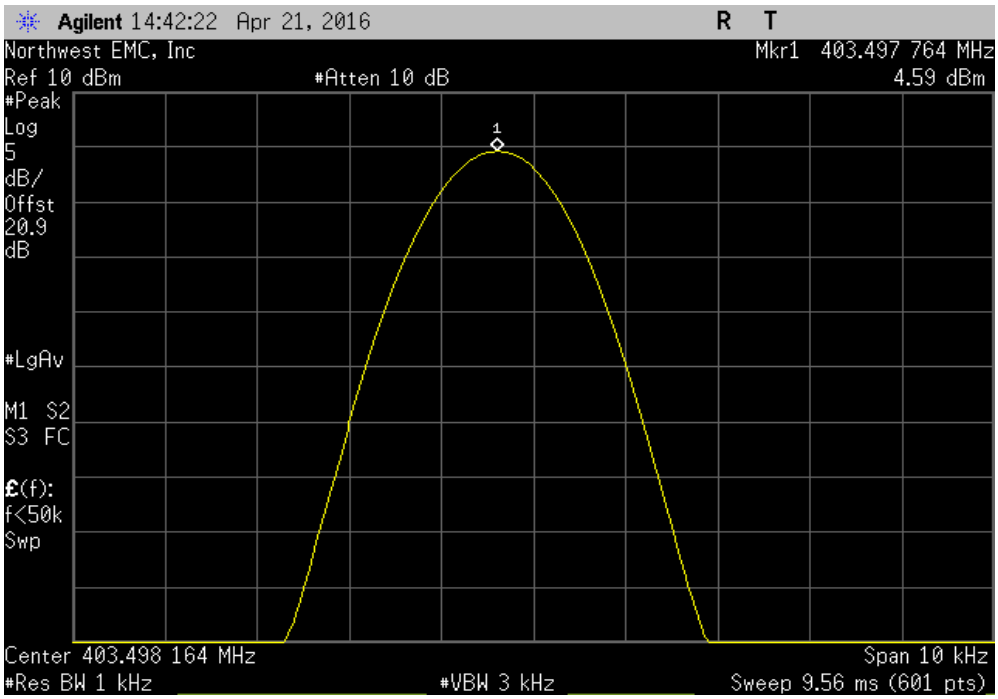
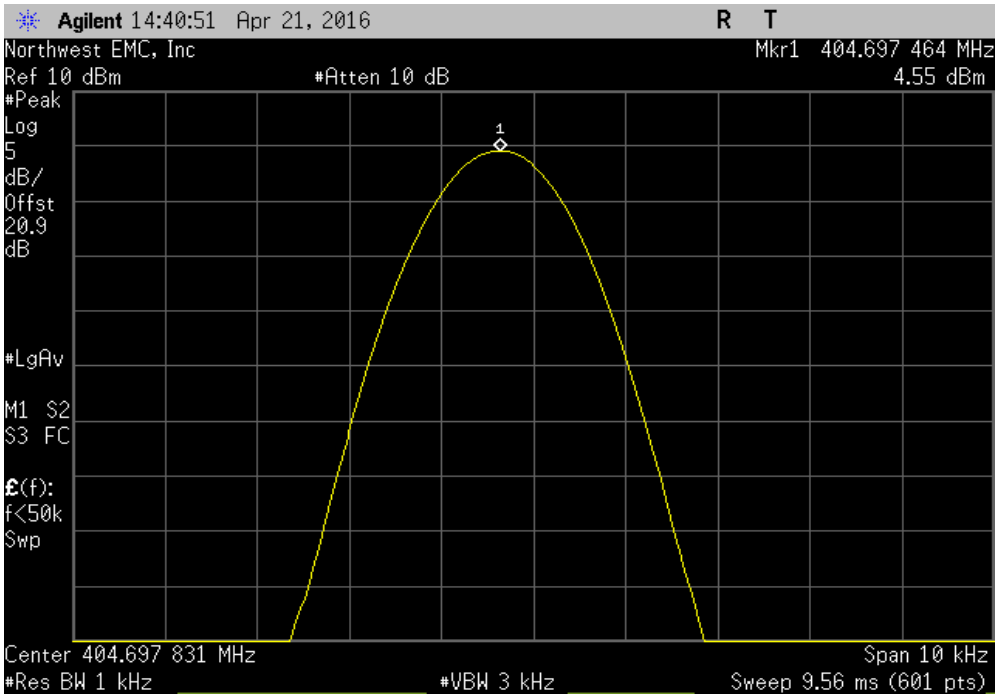
		403.497764	403.5	5.5	100	Pass



Extreme Temperature +40°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.697464	404.7	6.3	100	Pass



Extreme Temperature +30°C, Low Channel, 402.3 MHz						
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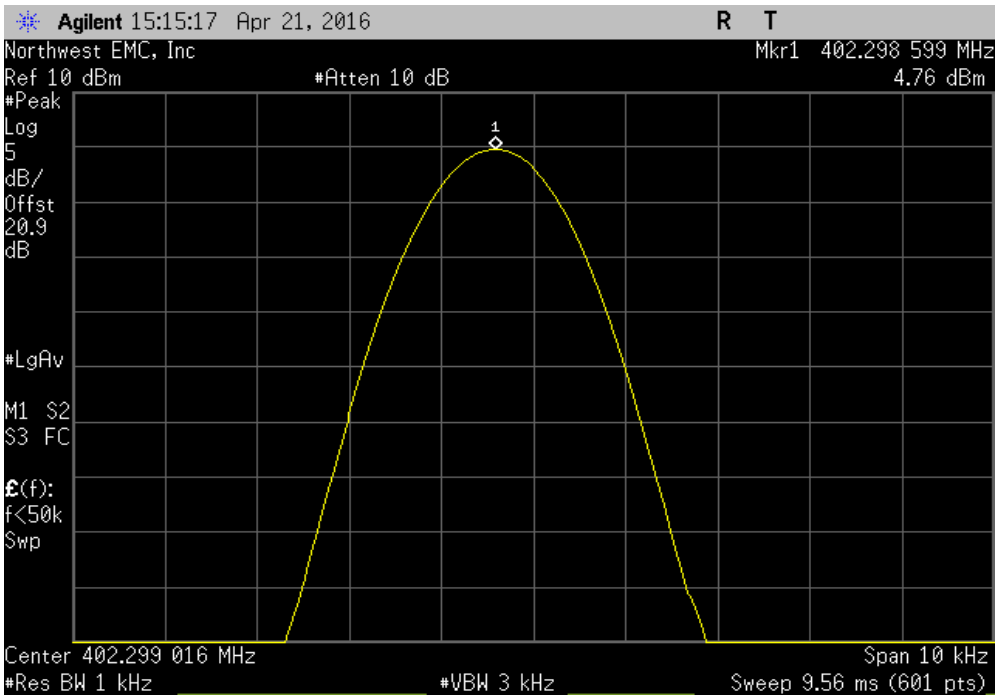
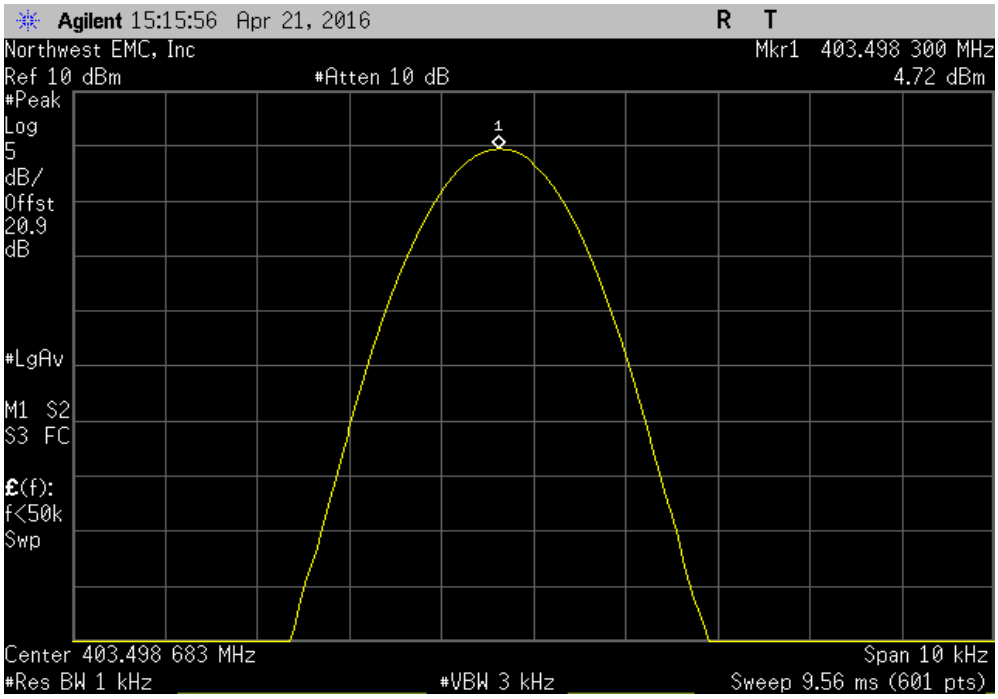
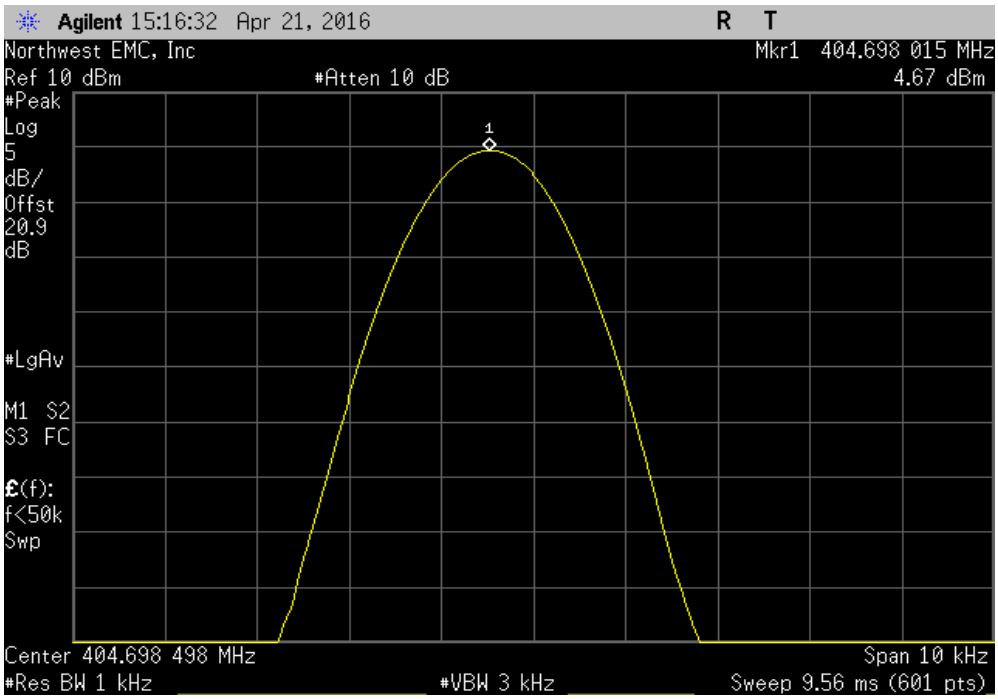
		402.298599	402.3	3.5	100	Pass



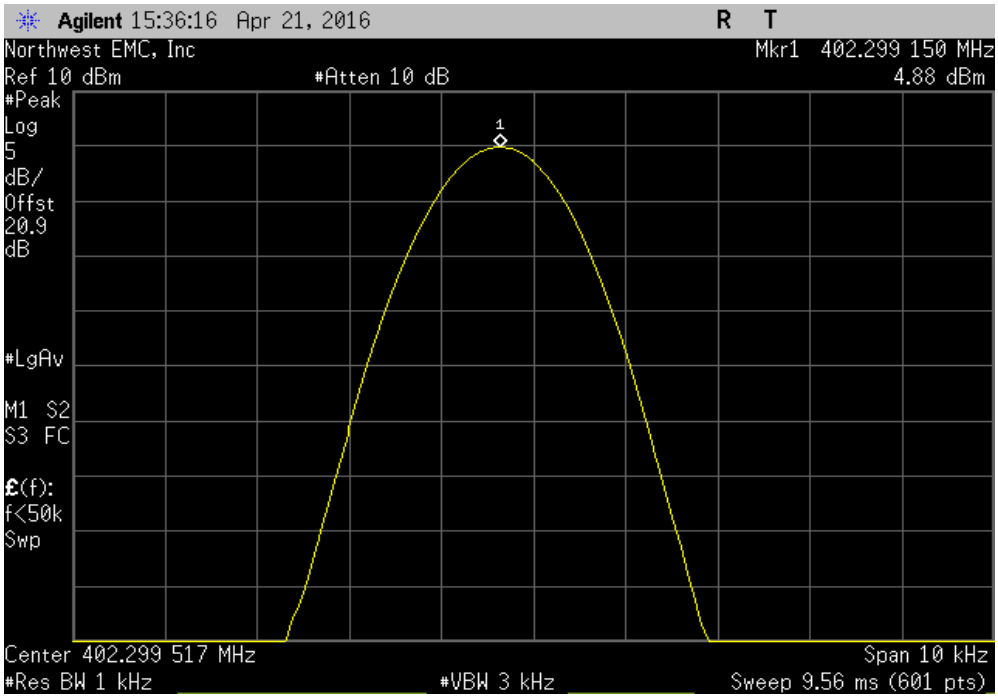
Extreme Temperature +30°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.4983	403.5	4.2	100	Pass



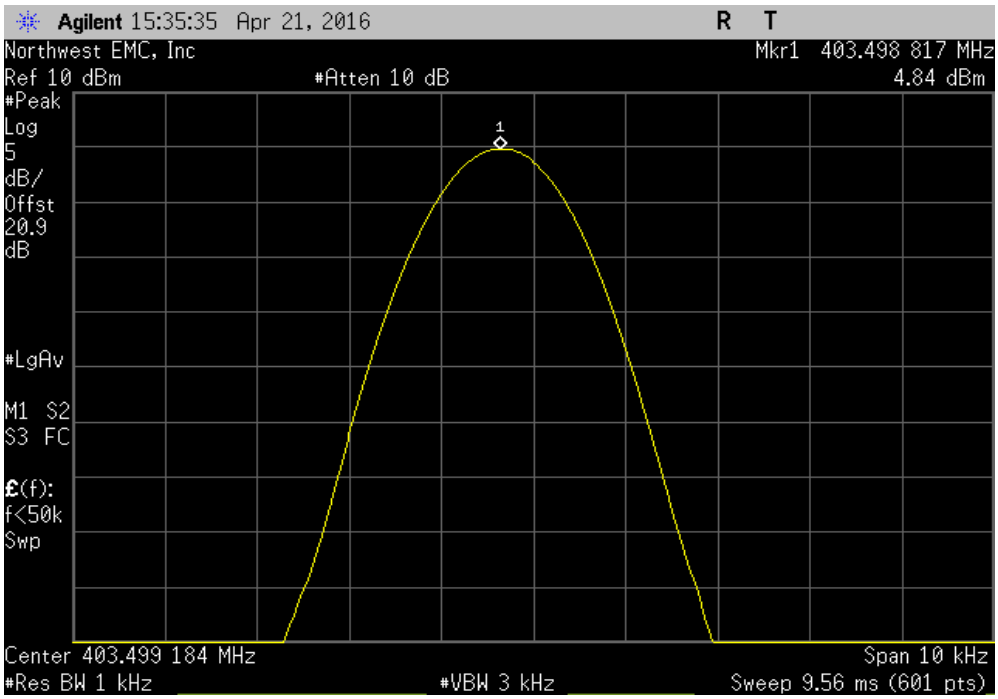
Extreme Temperature +30°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.698015	404.7	4.9	100	Pass



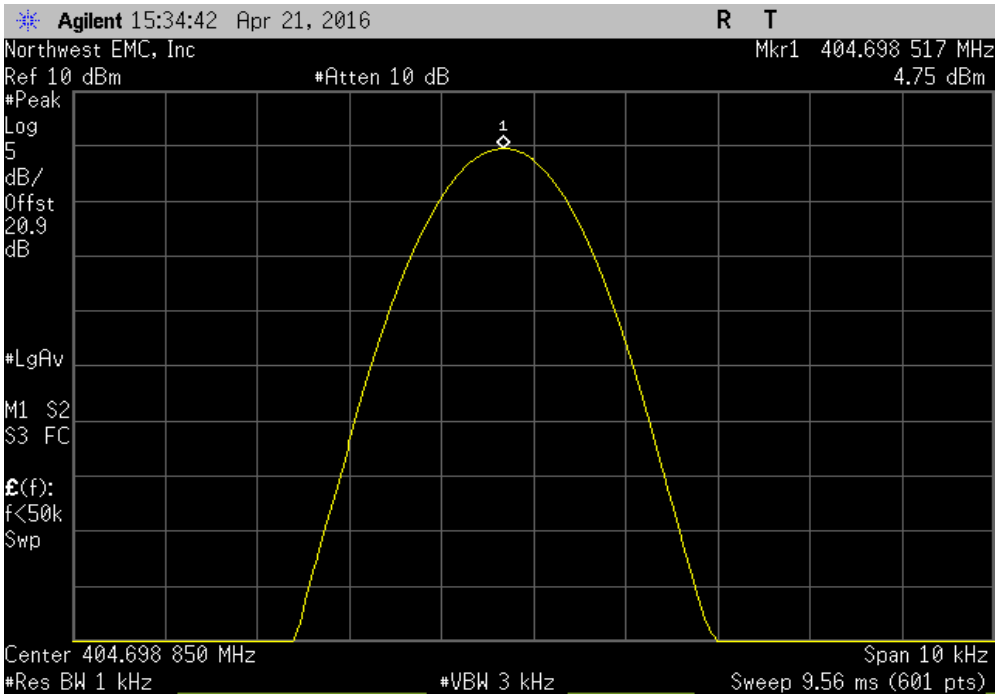
Extreme Temperature +20°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.29915	402.3	2.1	100	Pass



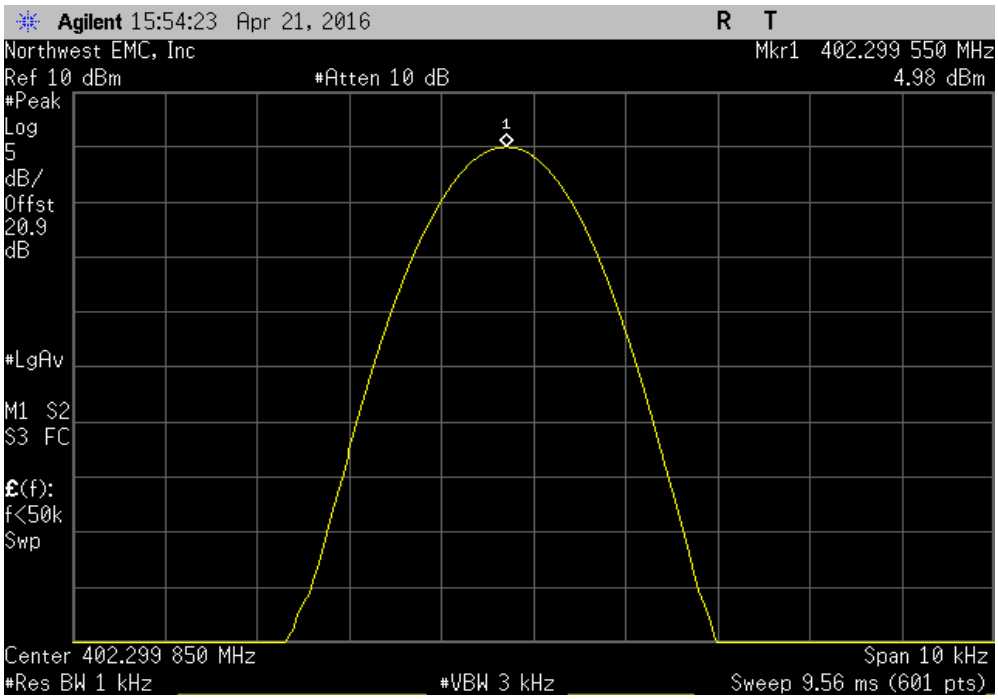
Extreme Temperature +20°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.498817	403.5	2.9	100	Pass



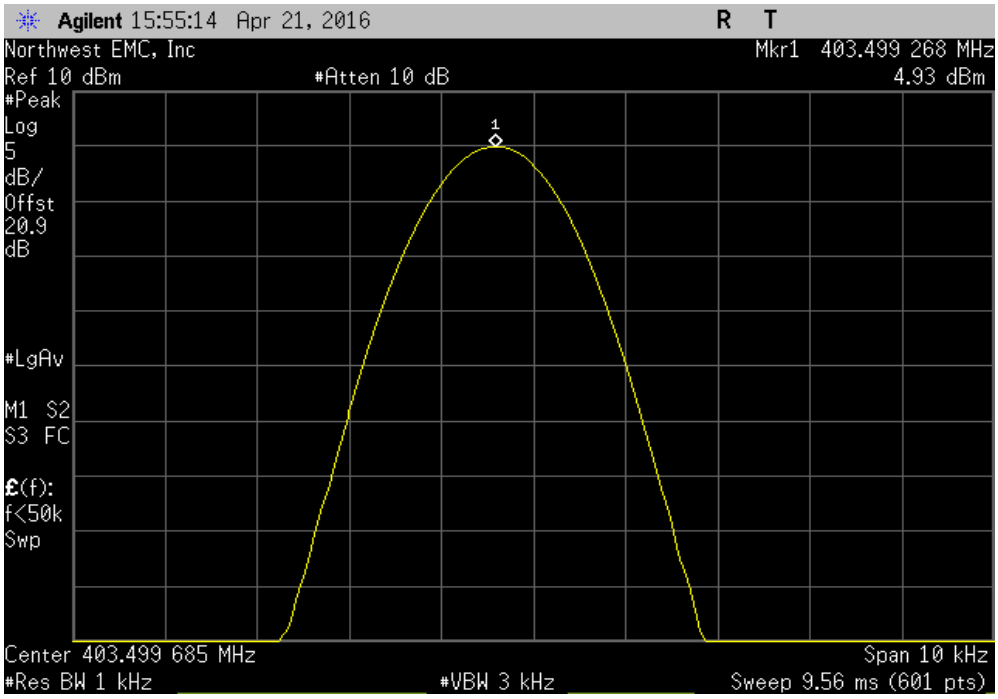
Extreme Temperature +20°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.698517	404.7	3.7	100	Pass



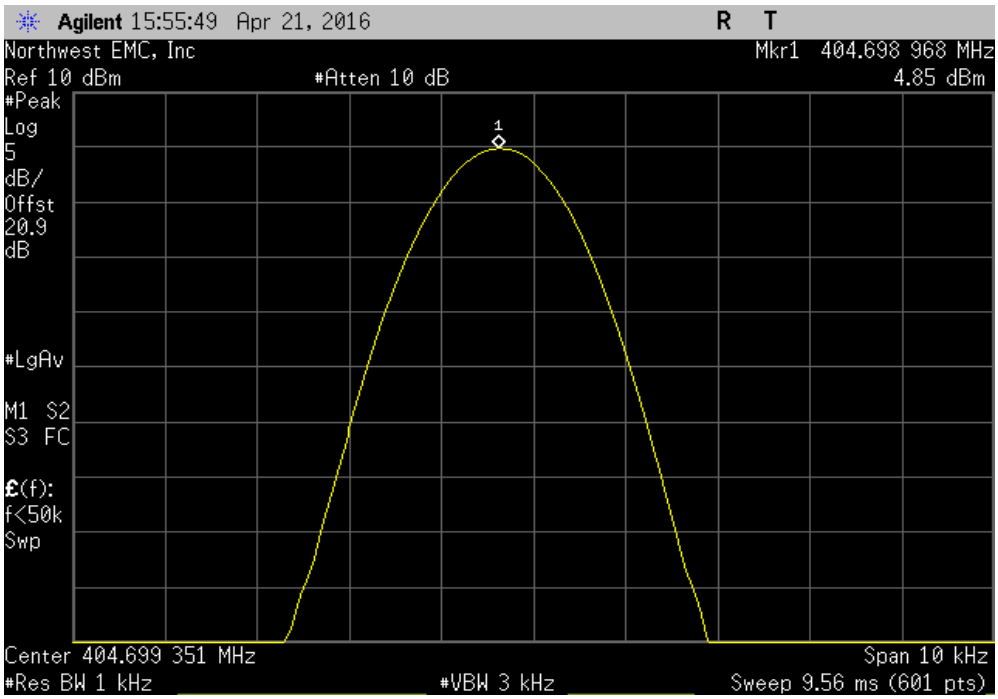
Extreme Temperature +10°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.29955	402.3	1.1	100	Pass



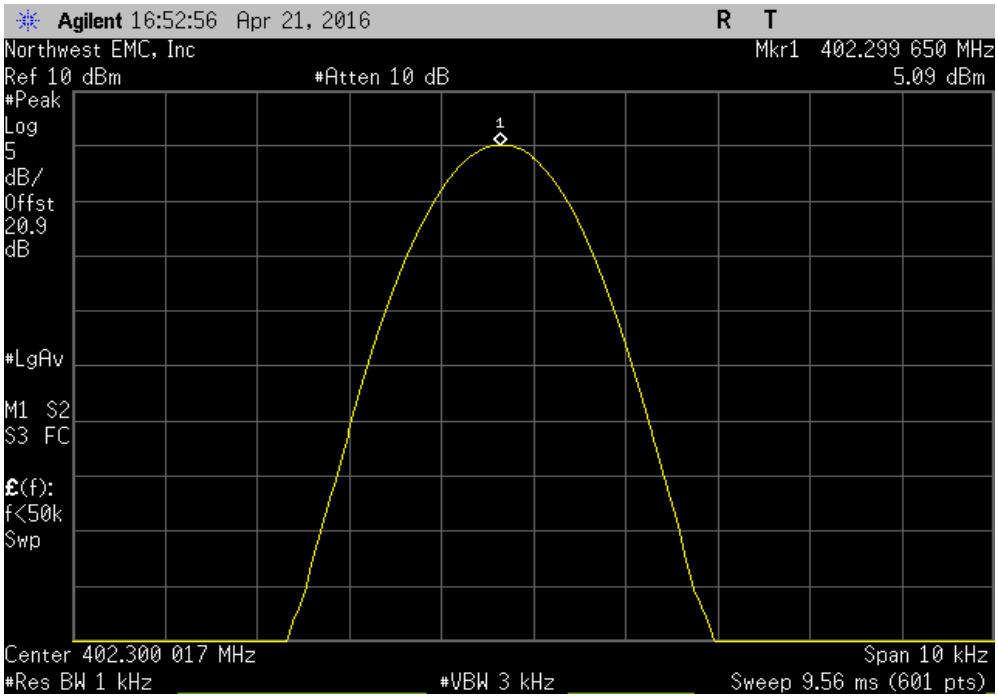
Extreme Temperature +10°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.499268	403.5	1.8	100	Pass



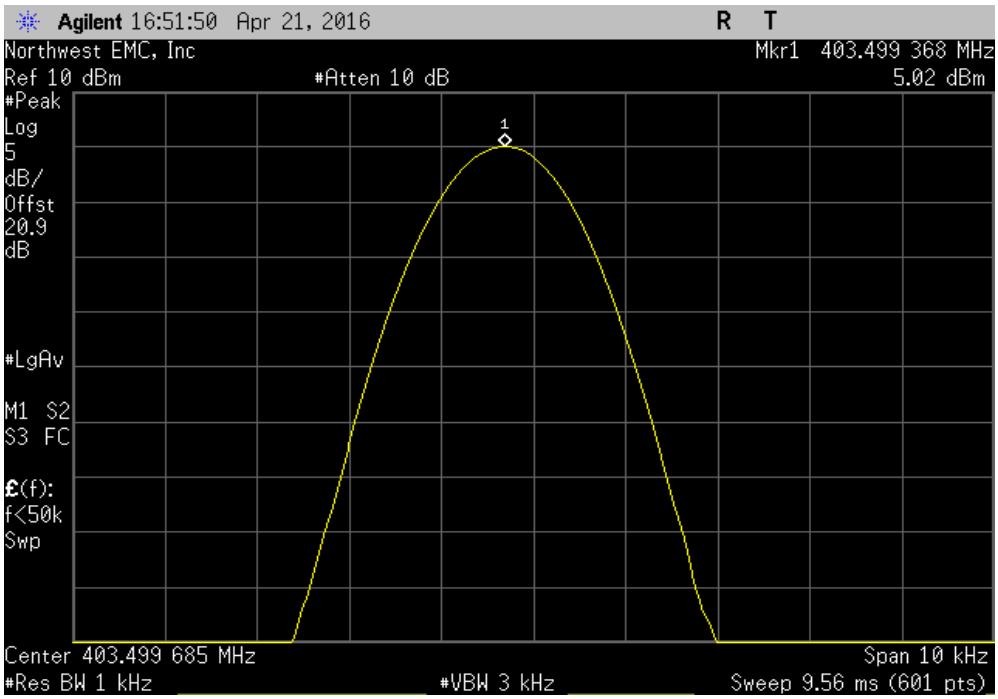
Extreme Temperature +10°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.698968	404.7	2.6	100	Pass



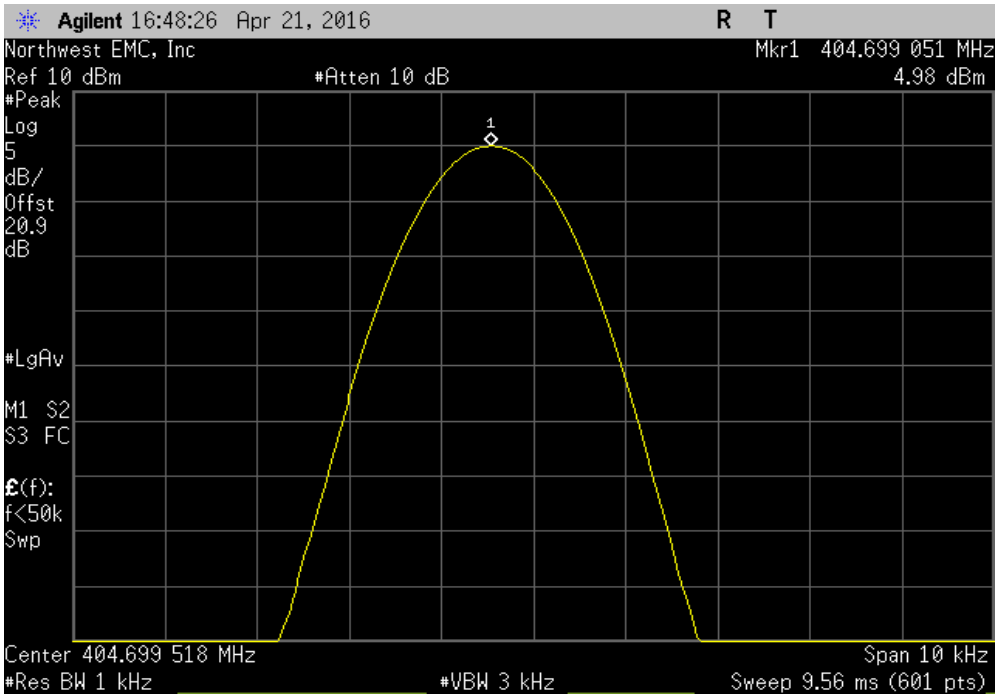
Extreme Temperature 0°C, Low Channel, 402.3 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		402.29965	402.3	0.9	100	Pass



Extreme Temperature 0°C, Mid Channel, 403.5 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		403.499368	403.5	1.6	100	Pass



Extreme Temperature 0°C, High Channel, 404.7 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		404.699051	404.7	2.3	100	Pass



SPURIOUS CONDUCTED EMISSIONS

XMit 2015.01.14

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 (mo)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/4/2016	12
Block - DC	Aeroflex	INMET 8535	AMO	4/4/2016	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

Per FCC Part 2.1051, RSS-GEN, the spurious emissions shall be measured at the RF terminal. The peak spurious emissions were measured with the EUT configured to the modes listed in the datasheet. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting at its maximum data rate.

FCC Part 95 and RSS-243 have no conducted spurious emissions limit. It is a requirement to characterize this information and that data is contained within this datasheet.

SPURIOUS CONDUCTED EMISSIONS

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1E360008			**Date:**	04/21/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	22.8°C
Attendees:	Franklin Portillo			**Humidity:**	37%
Project:	None			**Barometric Pres.:**	1012
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95I:2016	ANSI/TIA/EIA-603-D-2010

COMMENTS

DC Block + 20dB Attenuator + Coax Cable = 20.93dB Total Offset

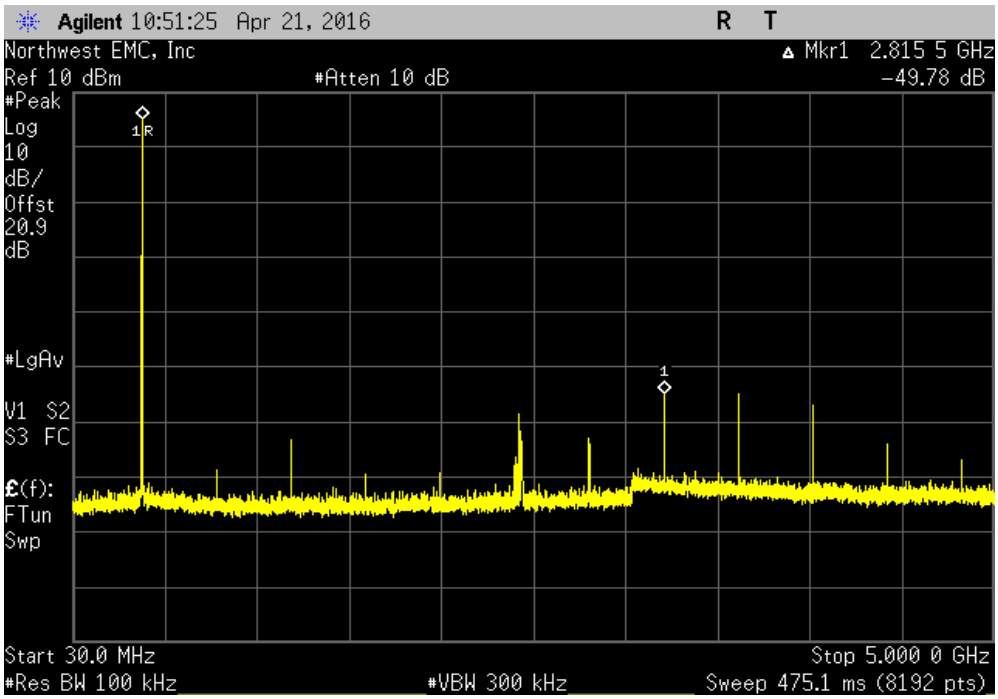
DEVIATIONS FROM TEST STANDARD

None

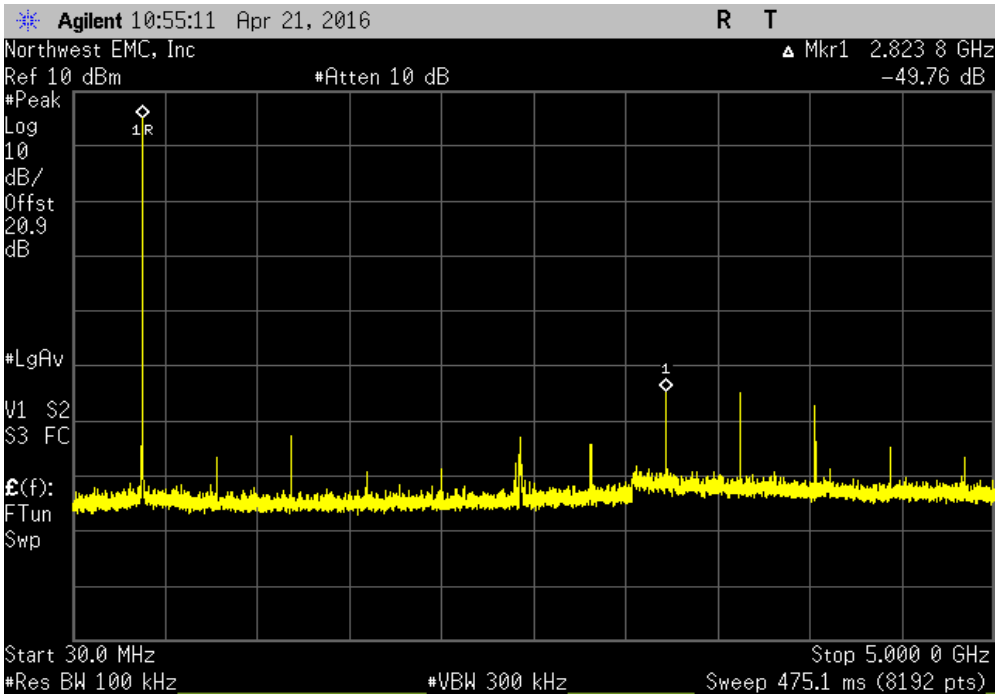
Configuration #	6	*Signature*

	Frequency Range	Max Value (dBc)	Limit A (dBc)	Result
Low Channel, 402.3 MHz	30 MHz - 5 GHz	-49.78		N/A
Mid Channel, 403.5 MHz	30 MHz - 5 GHz	-49.76		N/A
High Channel, 404.7 MHz	30 MHz - 5 GHz	-49.46		N/A

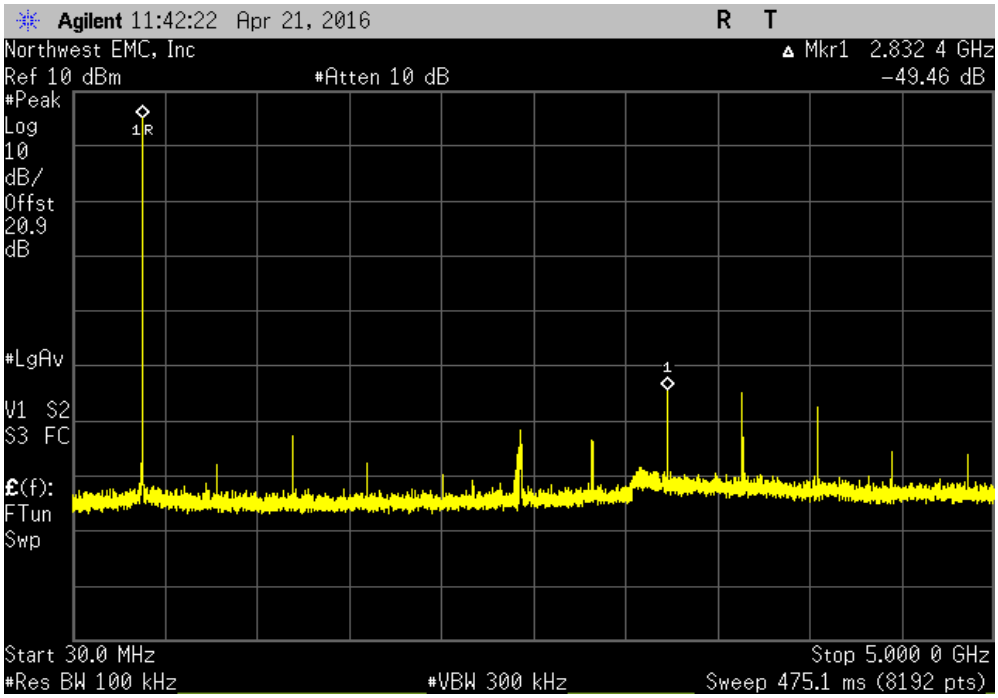
Low Channel, 402.3 MHz						
	Frequency Range			Max Value (dBc)	Limit A (dBc)	Result
	30 MHz - 5 GHz			-49.78		N/A



Mid Channel, 403.5 MHz						
	Frequency Range			Max Value (dBc)	Limit A (dBc)	Result
	30 MHz - 5 GHz			-49.76		N/A



High Channel, 404.7 MHz						
	Frequency Range			Max Value (dBc)	Limit A (dBc)	Result
	30 MHz - 5 GHz			-49.46		N/A



EMISSIONS MASK

XMit 2015.01.14

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TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/4/2016	12
Block - DC	Aeroflex	INMET 8535	AMO	4/4/2016	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

Per 47 CFR 95.635(d)(4-5) the emission mask was measured. Emissions more than 150 kHz away from the center frequency must be attenuated below the transmitter output power by at least 20 dB. This was evaluated by the Occupied Bandwidth measurement according to 47 CFR 95.633(e)(1). In addition, emissions 250 kHz or less above and below the MICS band (402-405 MHz) must be attenuated below the maximum permitted output power by at least 20 dB.

A spectrum analyzer was used to measure the emission mask. A spectrum analyzer using a peak detector with no video filtering was used with a resolution bandwidth equal to approximately 1.0 percent of the emission bandwidth of the EUT. However, various plots were made using different frequency spans and resolution bandwidths in an attempt to not only satisfy the measurement criteria, but to also show that all emissions outside of the occupied band are greatly attenuated.

EMISSIONS MASK

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1E360008			**Date:**	04/21/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	22.8°C
Attendees:	Franklin Portillo			**Humidity:**	37%
Project:	None			**Barometric Pres.:**	1012
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95I:2016	FCC 95.635(d)(4-5):2016

COMMENTS

DC Block + 20dB Attenuator + Coax Cable = 20.93dB Total Offset

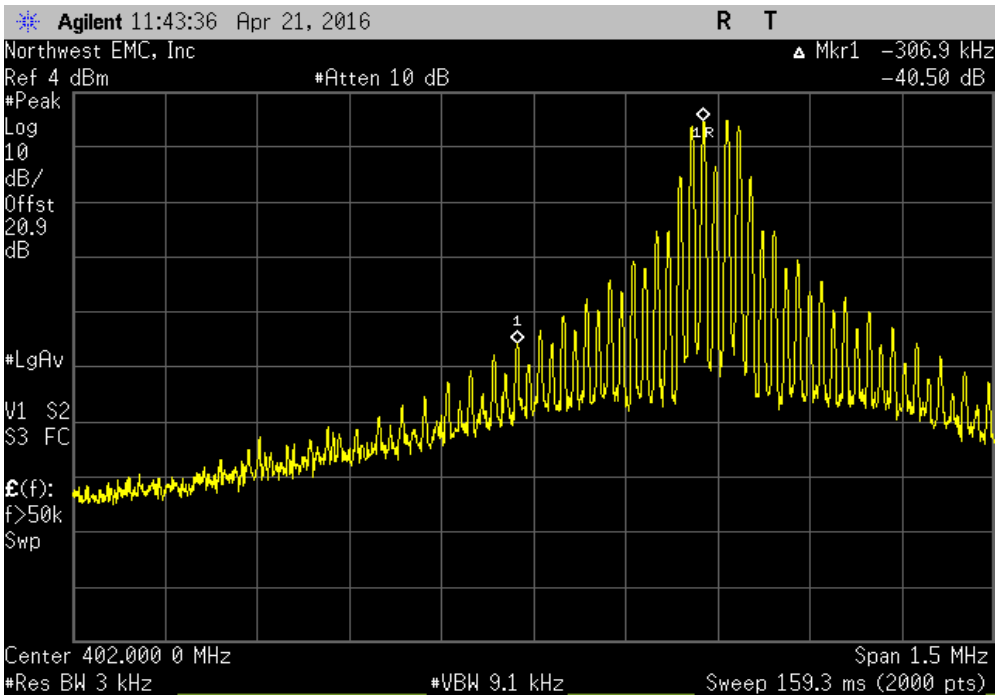
DEVIATIONS FROM TEST STANDARD

None

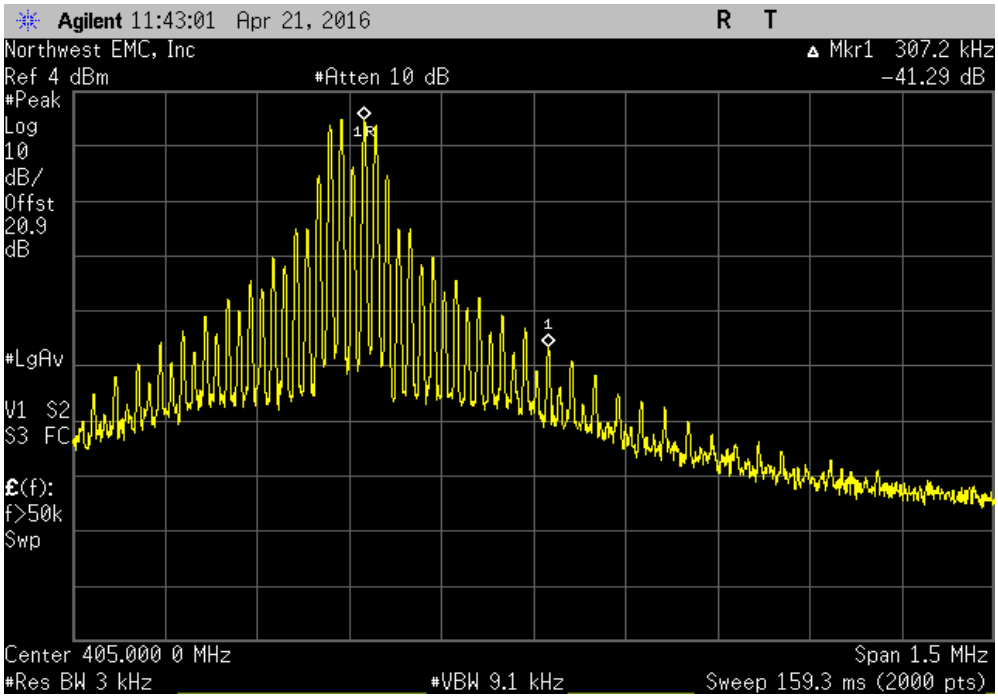
Configuration #	6	*Signature*

	Value (dBc)	Limit ≤ (dBc)	Result
Low Channel, 402.3 MHz	-40.5	-20	Pass
High Channel, 404.7 MHz	-41.29	-20	Pass

Low Channel, 402.3 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-40.5	-20	Pass



High Channel, 404.7 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-41.29	-20	Pass



LBT THRESHOLD POWER LEVEL

XMit 2015.01.14

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

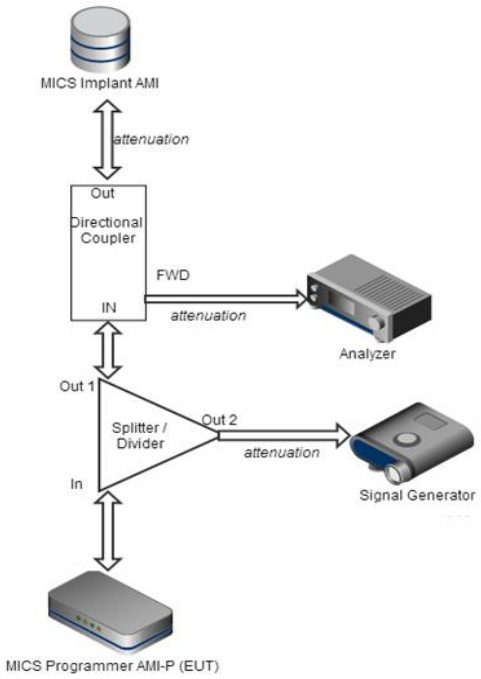
TEST DESCRIPTION

The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band. The amplitude of the multitone signals (out of operation region) were set to the LBT threshold of 10*LOG(Bandwidth) - 150 + Antenna Gain + 3 dB.

The spectrum analyzer was set to measure the transmit band of 402-405 MHz. The multitone signal of the intended frequency (Fc) was set to the LBT threshold - 6 dB, and raised by 1 dB increments until the EUT choose a different channel to start a session. Screen captures were provided to show the EUT behavior at the different LBT threshold levels.

The signal generator amplitude at Fc was then measured and recorded with the spectrum analyzer.



LBT THRESHOLD POWER LEVEL

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

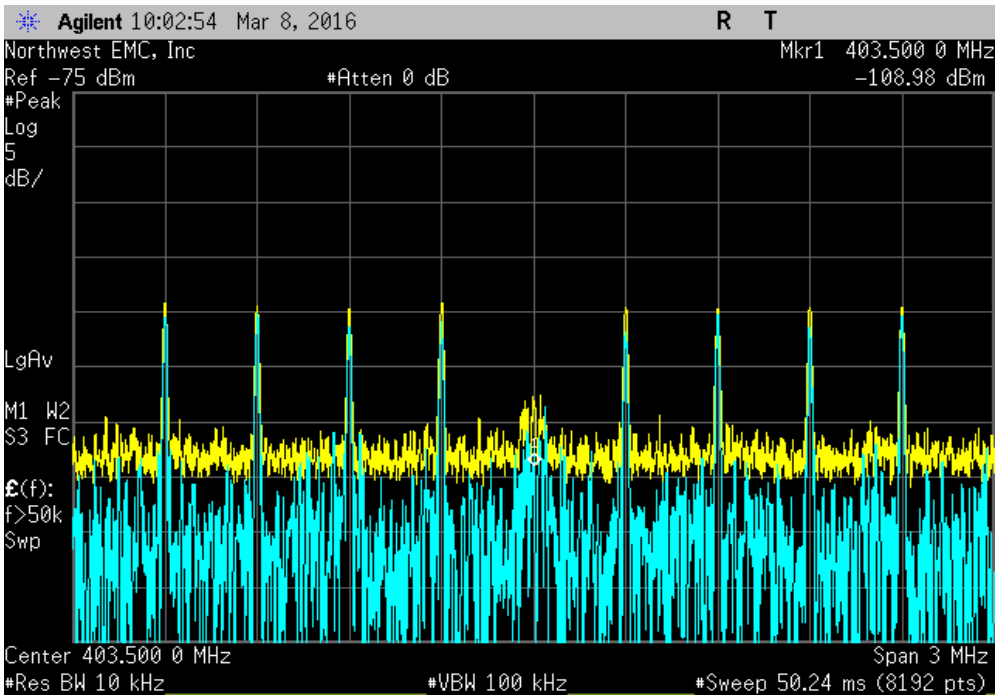
DEVIATIONS FROM TEST STANDARD

None

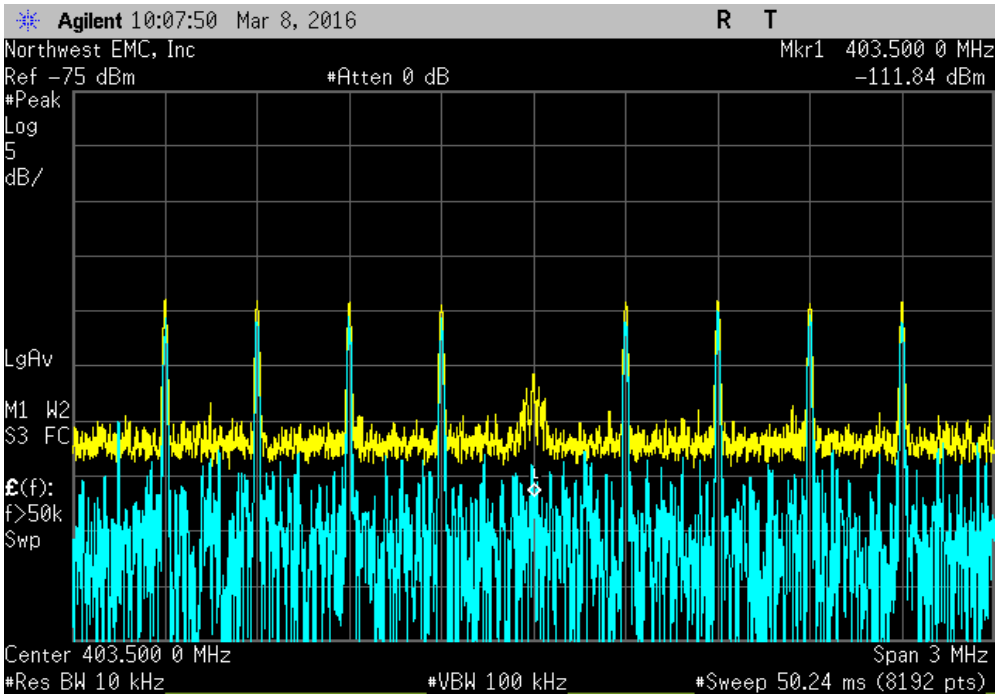
Configuration #	5	*Signature*

	Value (dBm)	Limit < (dBm)	Result
LBT Threshold -6 dB	N/A	N/A	N/A
LBT Threshold -5 dB	N/A	N/A	N/A
LBT Threshold -4 dB	N/A	N/A	N/A
LBT Threshold -3 dB	N/A	N/A	N/A
LBT Threshold -2 dB	N/A	N/A	N/A
LBT Threshold -1 dB	N/A	N/A	N/A
LBT Threshold 0 dB	N/A	N/A	N/A
LBT Threshold +1 dB	N/A	N/A	N/A
LBT Threshold +2 dB	N/A	N/A	N/A
LBT Threshold +3 dB	N/A	N/A	N/A
LBT Threshold +4 dB	N/A	N/A	N/A
LBT Threshold +5 dB	N/A	N/A	N/A
LBT Threshold +6 dB	-118.29	-97.04	Pass

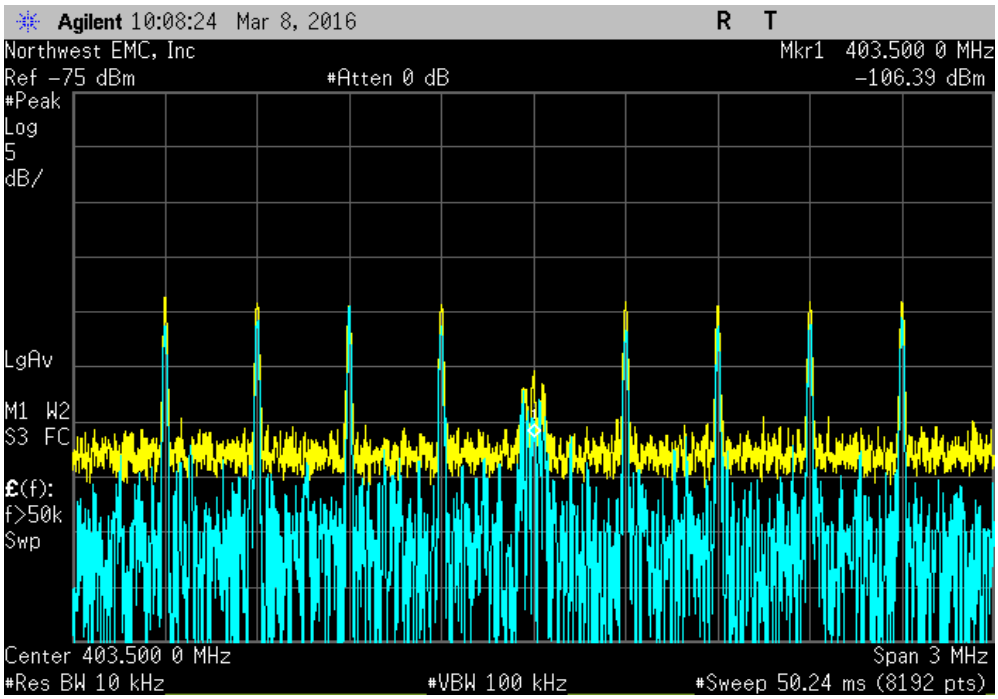
LBT Threshold -6 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



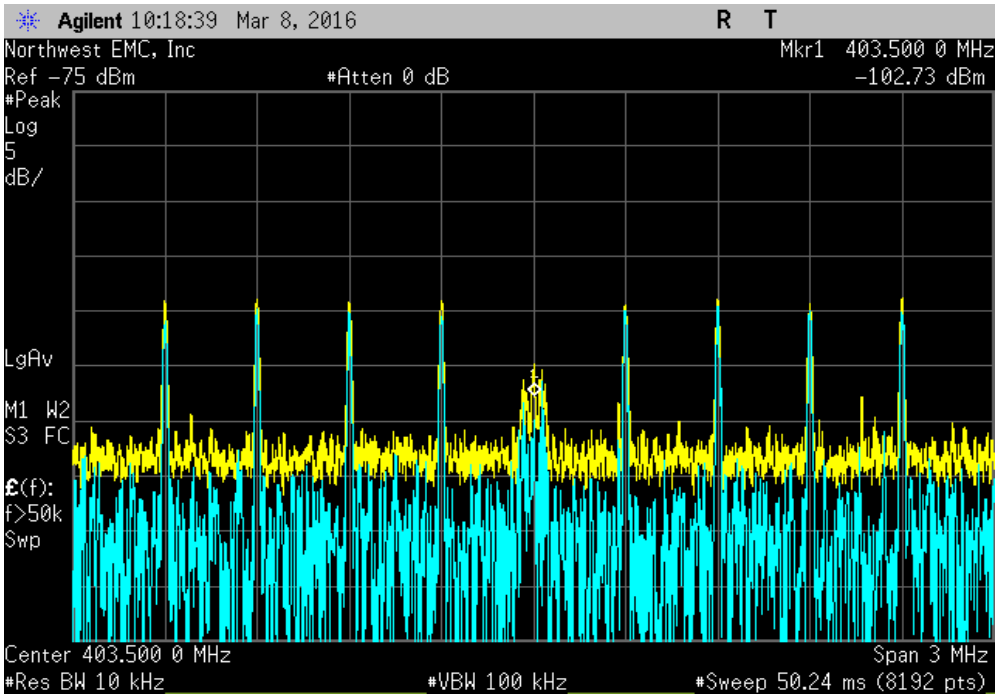
LBT Threshold -5 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



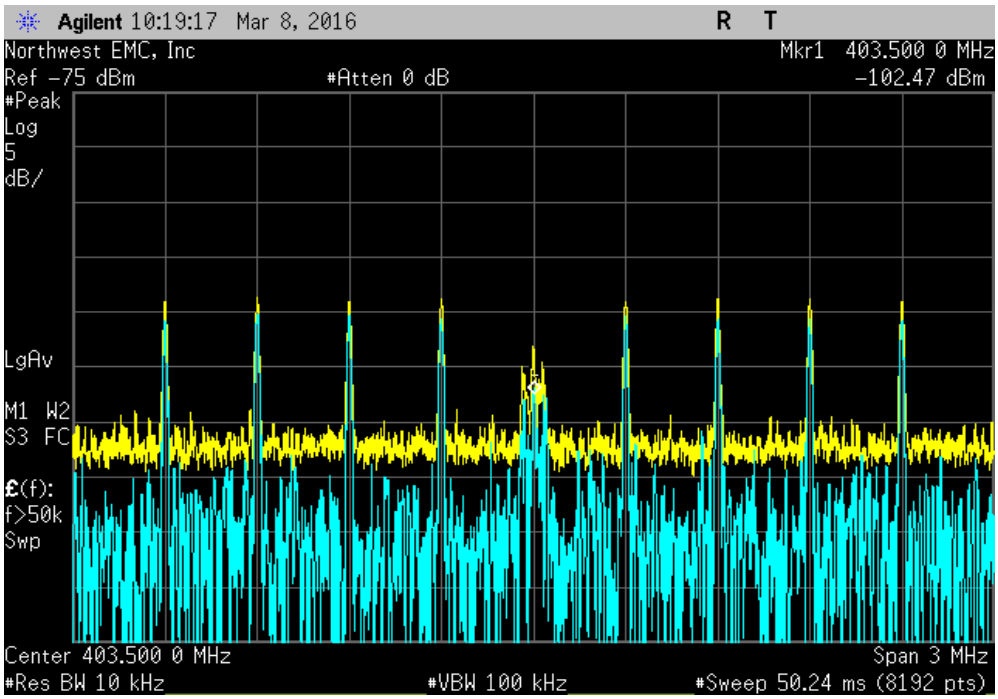
LBT Threshold -4 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



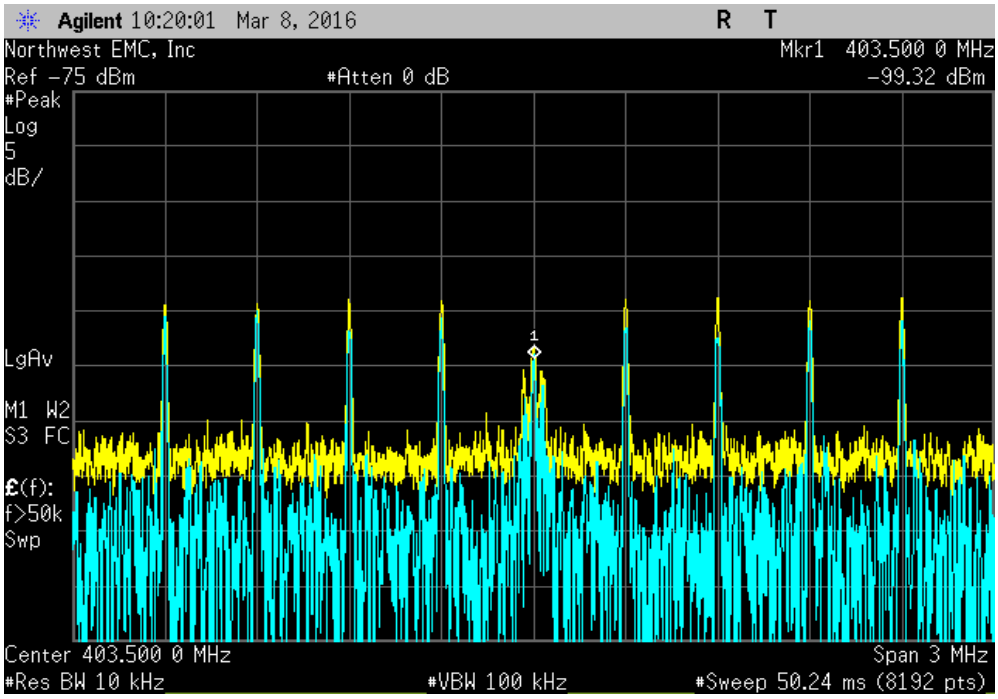
LBT Threshold -3 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



LBT Threshold -2 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



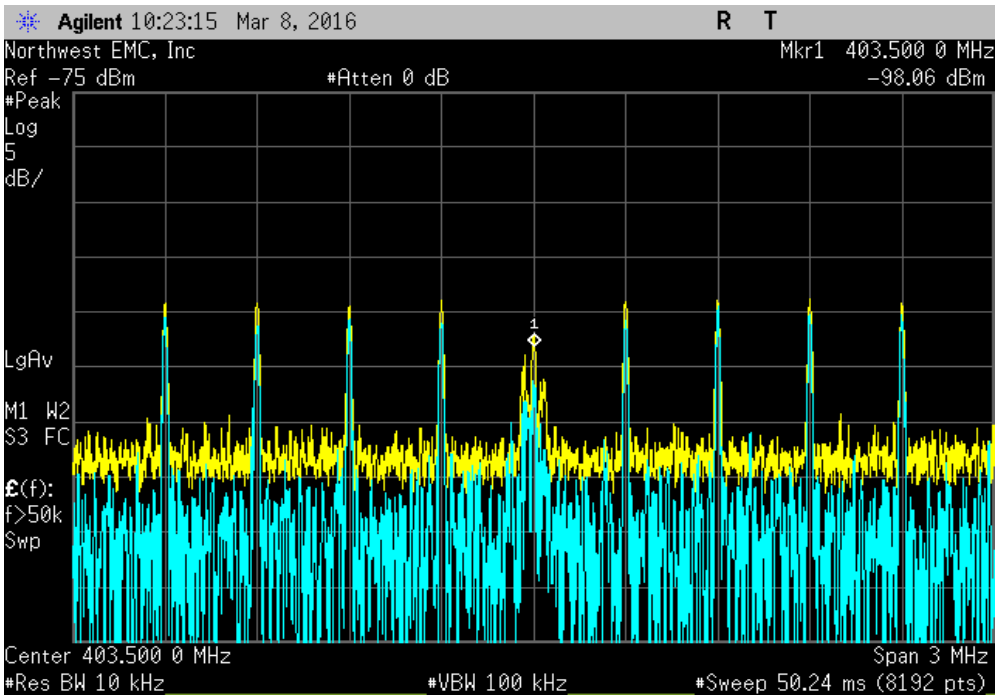
LBT Threshold -1 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



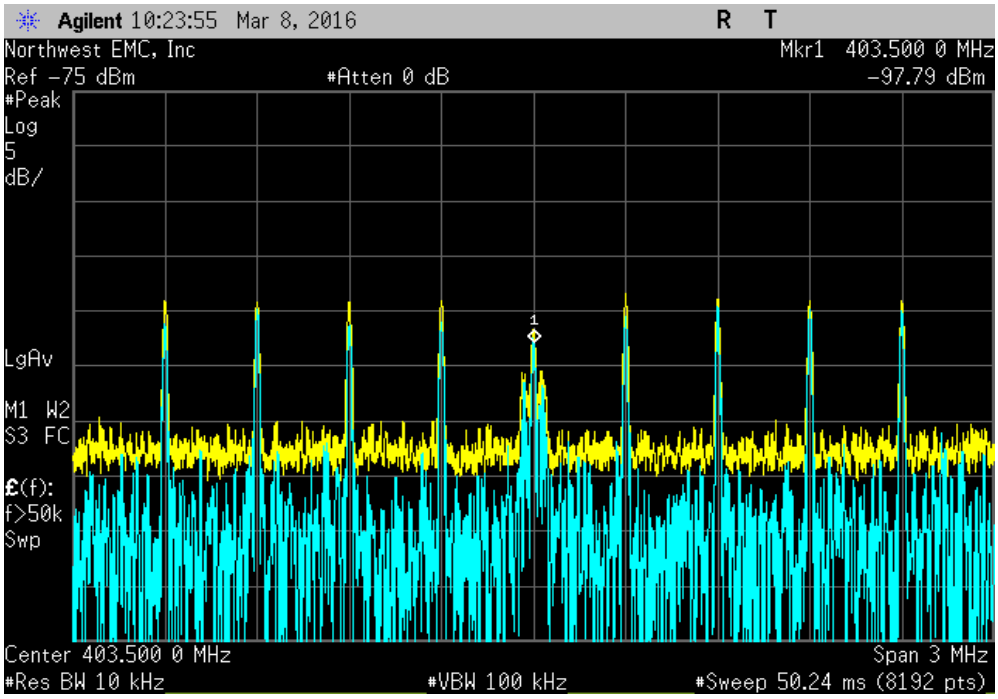
LBT THRESHOLD POWER LEVEL

XMit 2015.01.14

LBT Threshold 0 dB							
					Value (dBm)	Limit < (dBm)	Result
					N/A	N/A	N/A



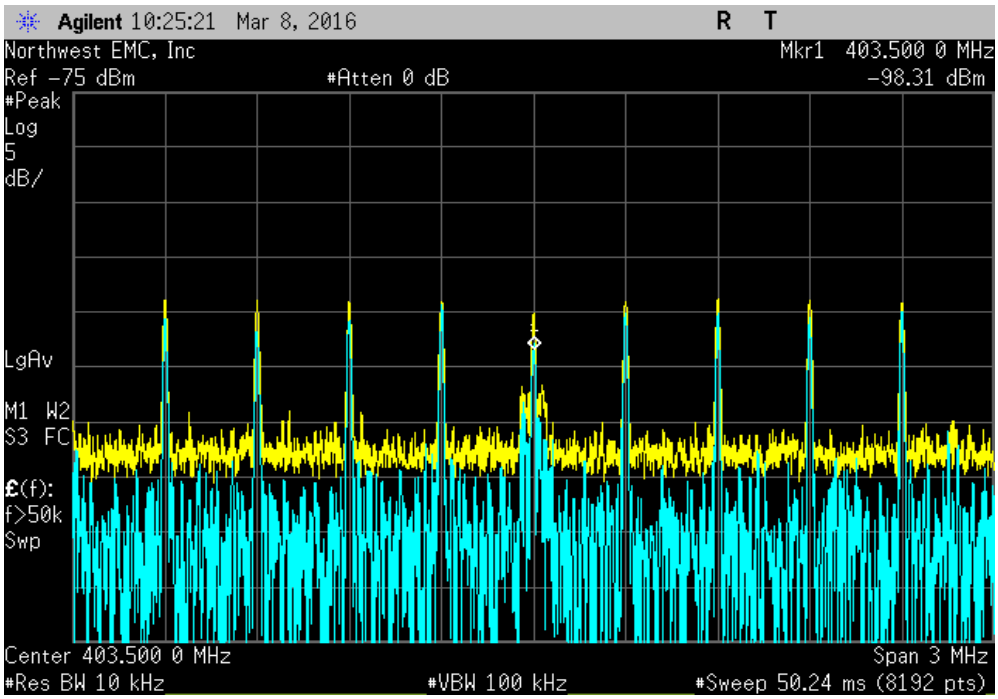
LBT Threshold +1 dB							
					Value (dBm)	Limit < (dBm)	Result
					N/A	N/A	N/A



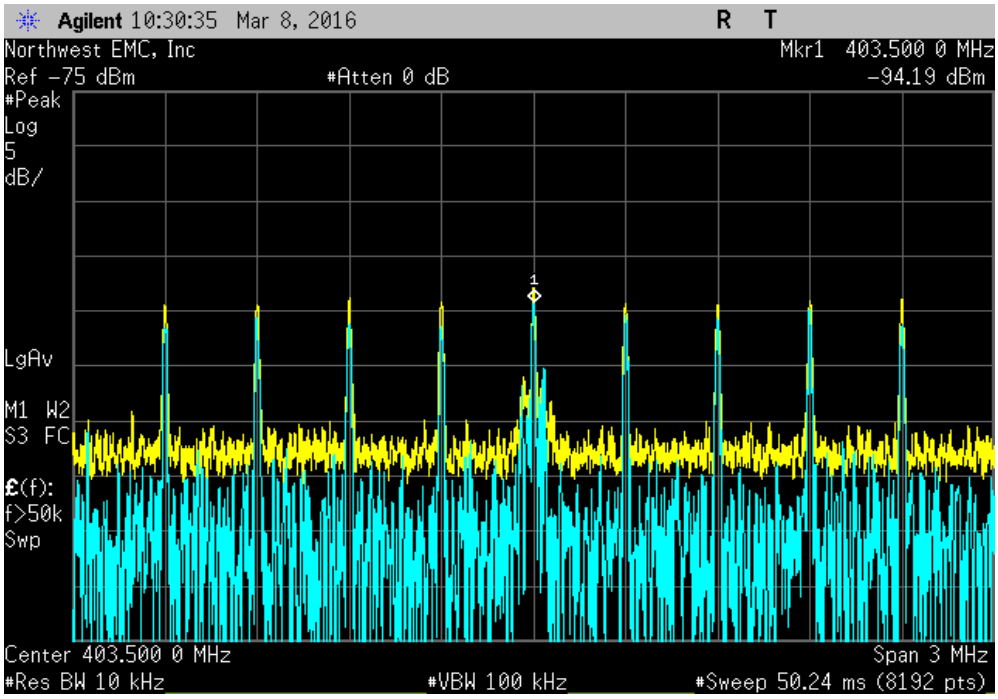
LBT THRESHOLD POWER LEVEL

XMit 2015.01.14

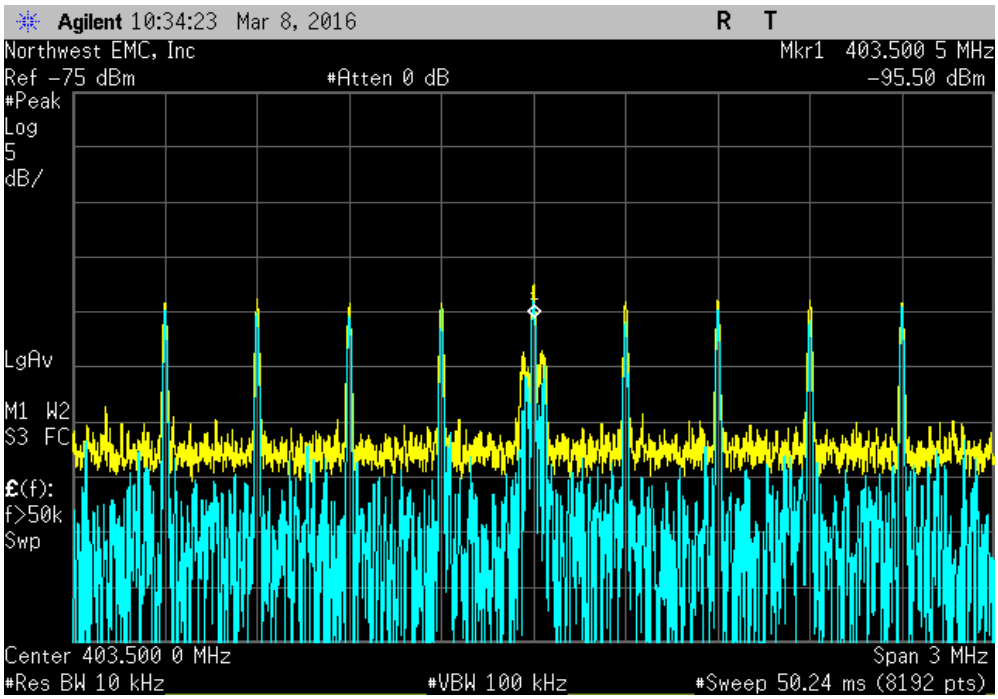
LBT Threshold +2 dB							
					Value (dBm)	Limit < (dBm)	Result
					N/A	N/A	N/A



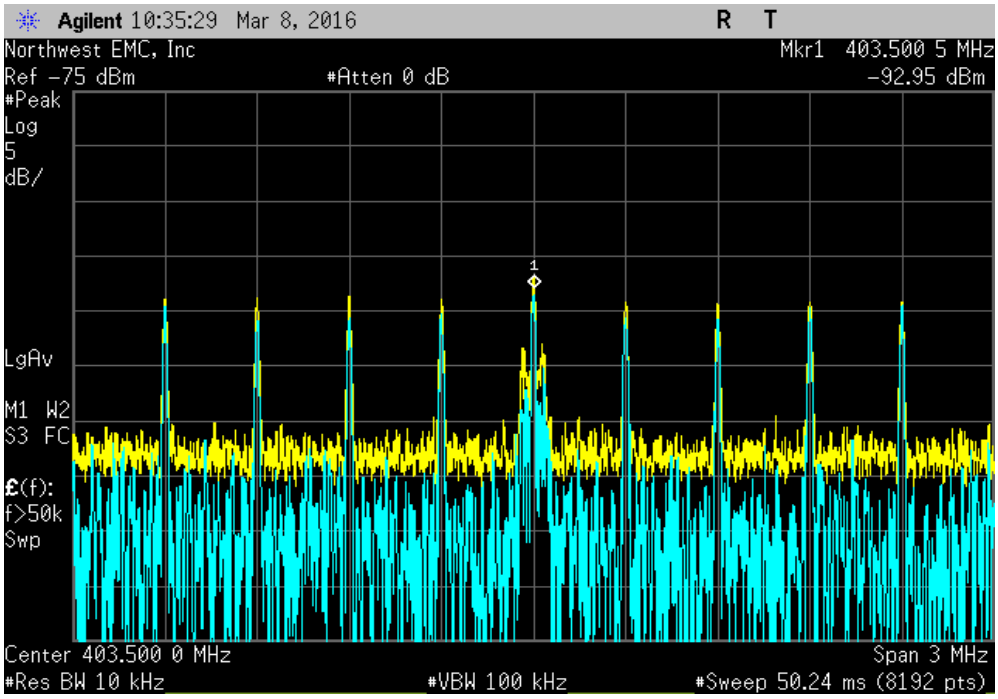
LBT Threshold +3 dB							
					Value (dBm)	Limit < (dBm)	Result
					N/A	N/A	N/A



LBT Threshold +4 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



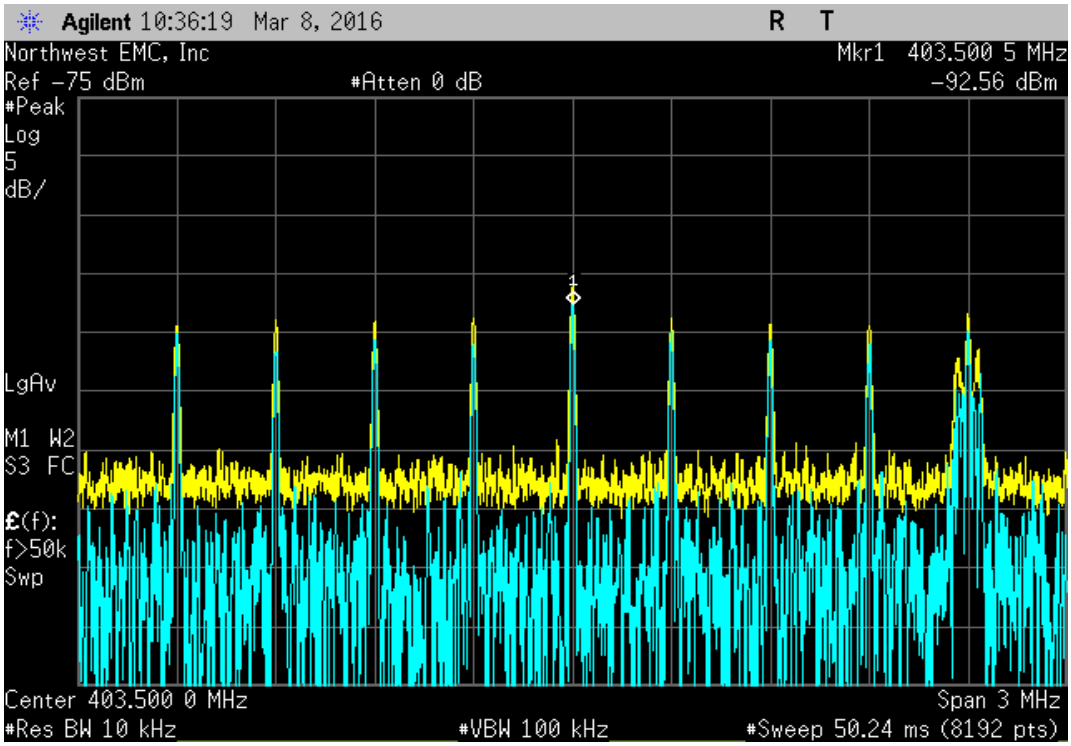
LBT Threshold +5 dB						
				Value (dBm)	Limit < (dBm)	Result
				N/A	N/A	N/A



LBT THRESHOLD POWER LEVEL

XMit 2015.01.14

LBT Threshold +6 dB							
					Value (dBm)	Limit < (dBm)	Result
					-118.29	-97.04	Pass



MONITORING SYSTEM BANDWIDTH

XMit 2015.01.14

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TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

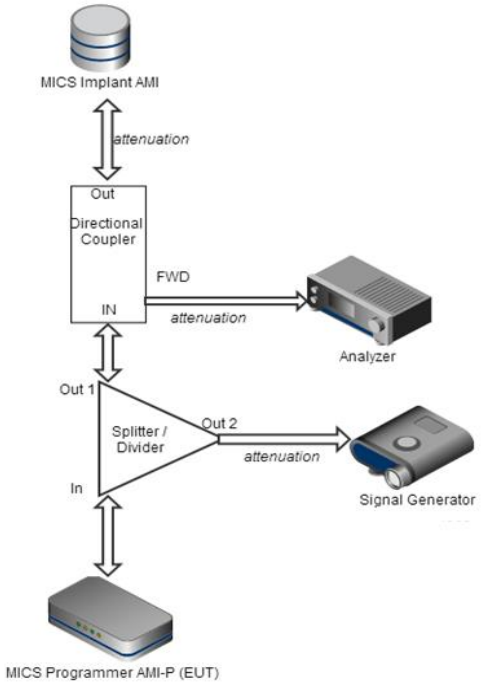
The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band. The amplitude of the multitone signals (out of operation region) were set to the LBT threshold of 10*LOG(Bandwidth) - 150 + Antenna Gain + 3 dB.

The spectrum analyzer was set to measure the transmit band of 402-405 MHz. The multitone signal of the intended frequency (Fc) was set to a level above the LBT threshold, and lowered by 1 dB increments until the EUT chooses the intended frequency (Fc) to start a session on.

The blocking frequency at Fc was then lowered to Fc - Bandwidth / 2. The amplitude was then raised until the EUT chooses a channel other than Fc. This was repeated with the blocking frequency raised to Fc + Bandwidth / 2.

The signal generator amplitude at Fc was then measured and



MONITORING SYSTEM BANDWIDTH

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

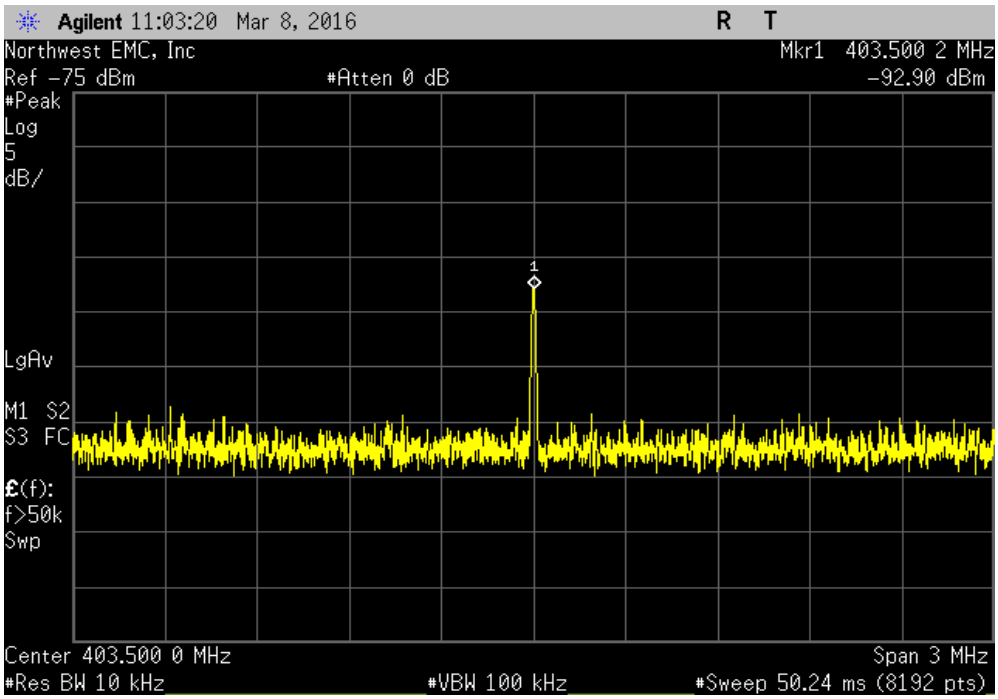
DEVIATIONS FROM TEST STANDARD

None

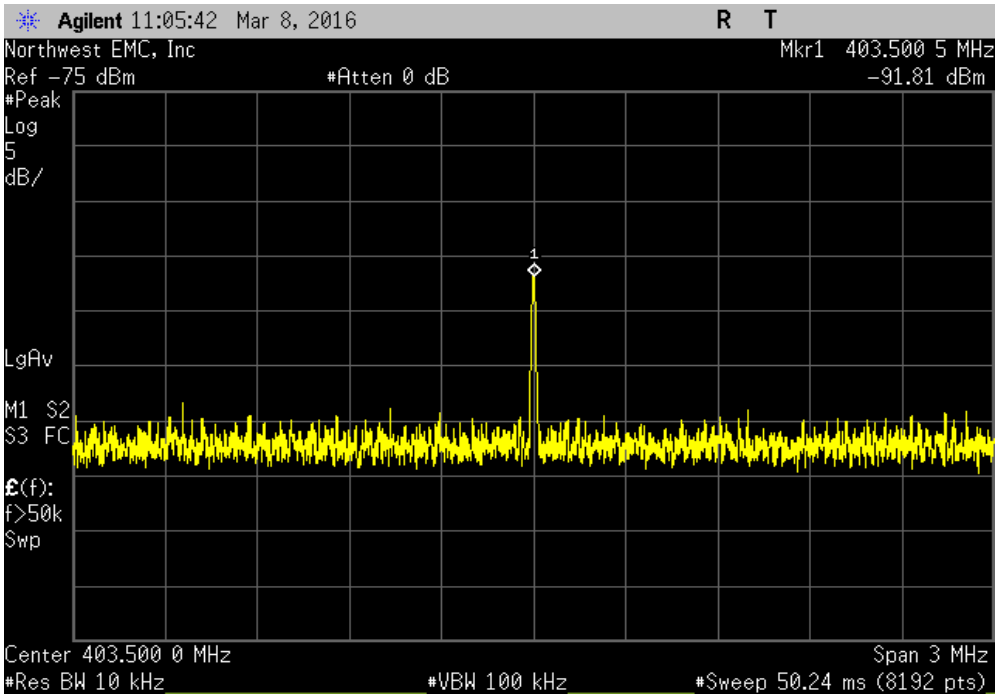
Configuration #	5	*Signature*

	Measured Value (dBm)	**Value of D1, D2 (dB)**	**Limit < (dB)**	**Result**
(Pa) = Fc				
Transmit on Channel (Fc)	-100.4	N/A	N/A	N/A
Transmit on Out-of-Operating Region	N/A	N/A	N/A	N/A
(Pb) = Fc - Emissions BW/2				
Transmit on Channel (Fc)	N/A	N/A	N/A	N/A
Transmit on Out-of-Operating Region	-98.67	-1.73	20	Pass
(Pc) = Fc + Emissions BW/2				
Transmit on Channel (Fc)	N/A	N/A	N/A	N/A
Transmit on Out-of-Operating Region	-98.35	-2.05	20	Pass

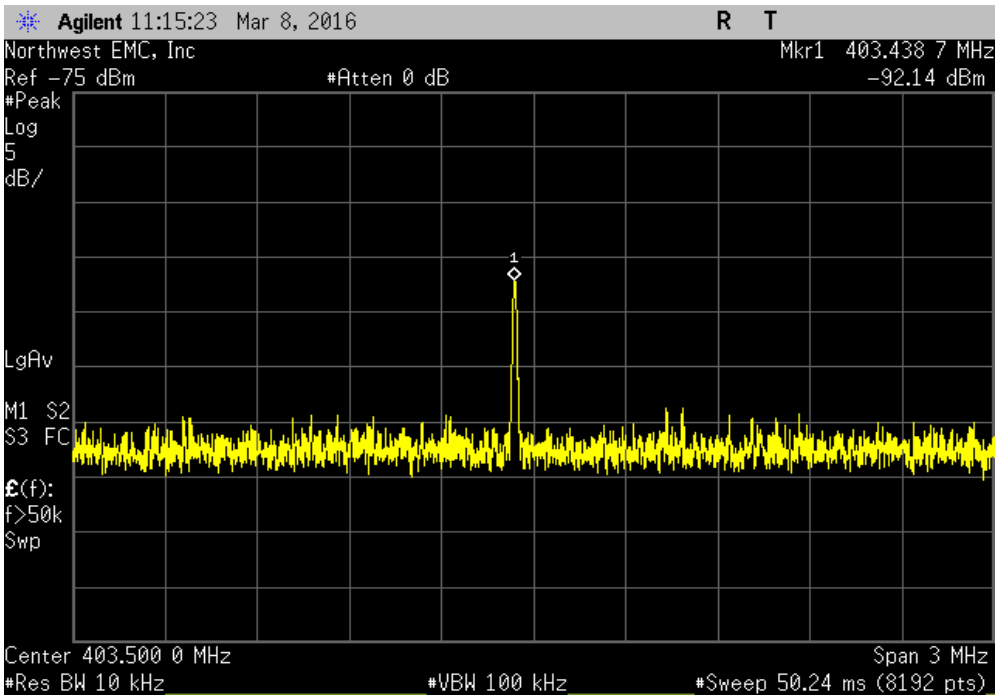
(Pa) = Fc, Transmit on Channel (Fc)						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		-100.4		N/A	N/A	N/A



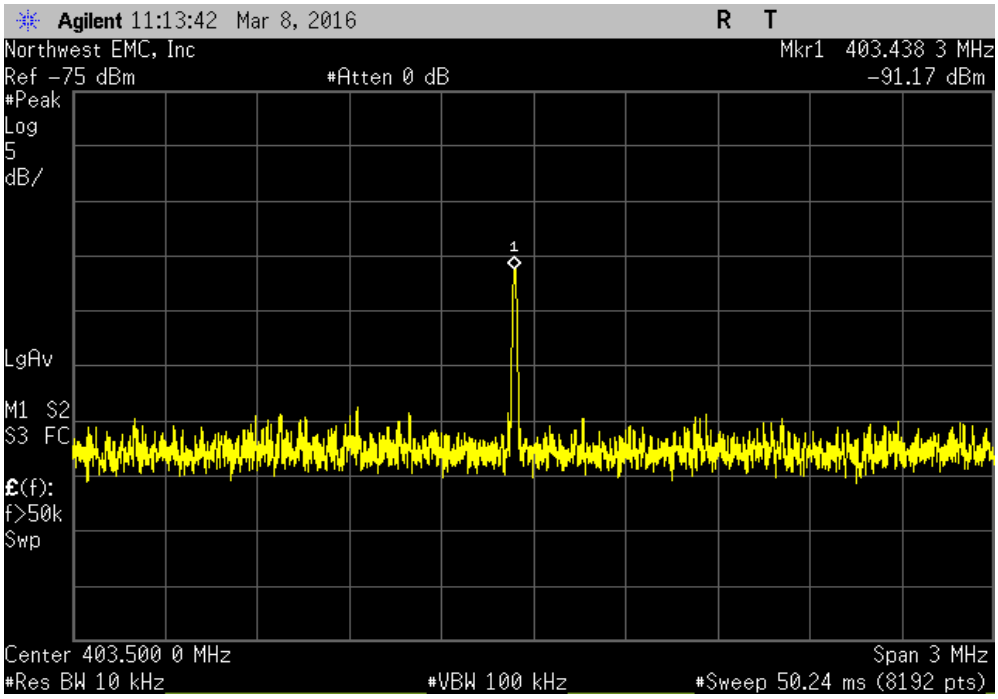
(Pa) = Fc, Transmit on Out-of-Operating Region						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		N/A		N/A	N/A	N/A



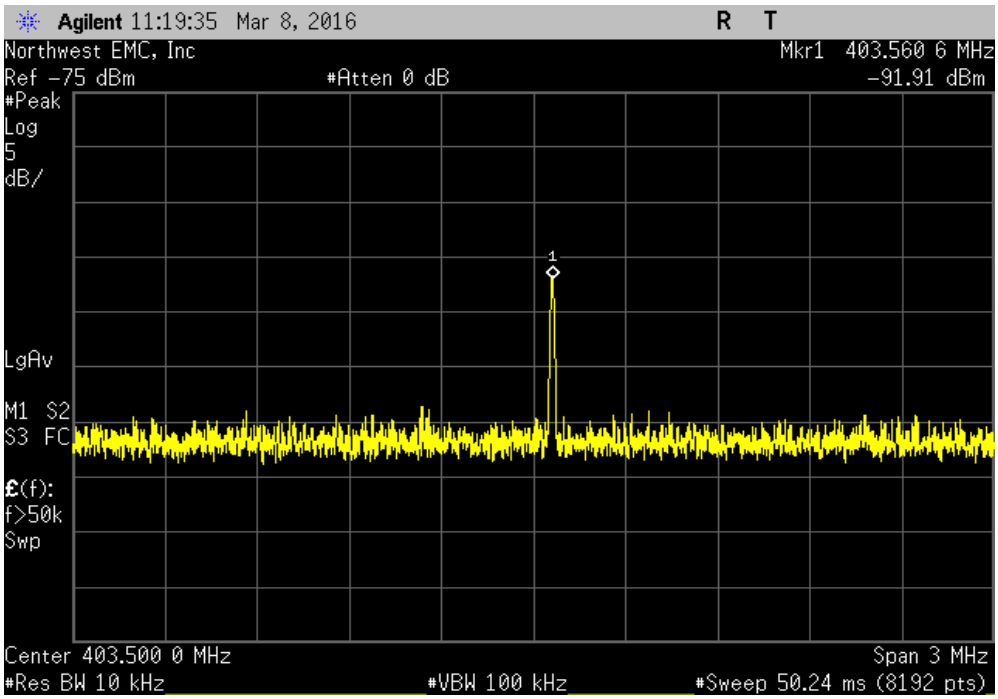
(Pb) = Fc - Emissions BW/2, Transmit on Channel (Fc)						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		N/A		N/A	N/A	N/A



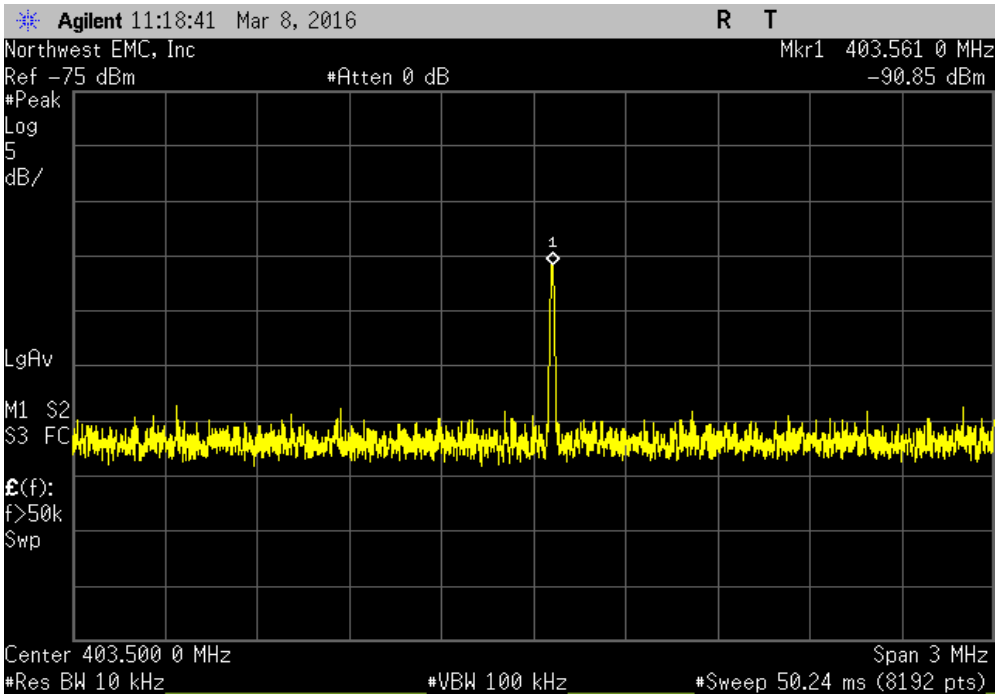
(Pb) = Fc - Emissions BW/2, Transmit on Out-of-Operating Region						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		-98.67		-1.73	20	Pass



(Pc) = Fc + Emissions BW/2, Transmit on Channel (Fc)						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		N/A		N/A	N/A	N/A



(Pc) = Fc + Emissions BW/2, Transmit on Out-of-Operating Region						
		Measured Value (dBm)		Value of D1, D2 (dB)	Limit < (dB)	Result
		-98.35		-2.05	20	Pass



MONITORING SYSTEM SCAN CYCLE TIME

XMit 2015.01.14

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

TEST EQUIPMENT

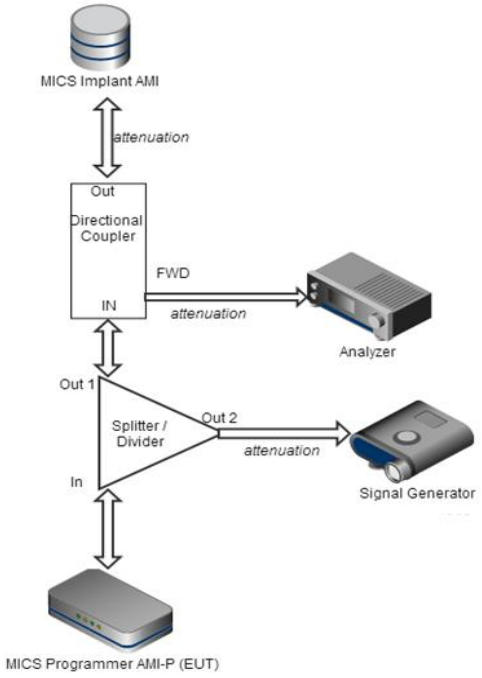
Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band. The spectrum analyzer was set to zero span with a sweep time equal to 10 seconds.

The CW signal on the intended frequency (Fc) was removed. At the same time, the EUT was set to seek a session with the implantable device. The delay between Fc becoming available and the EUT establishing a session was measured.



MONITORING SYSTEM SCAN CYCLE TIME

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

DEVIATIONS FROM TEST STANDARD

None

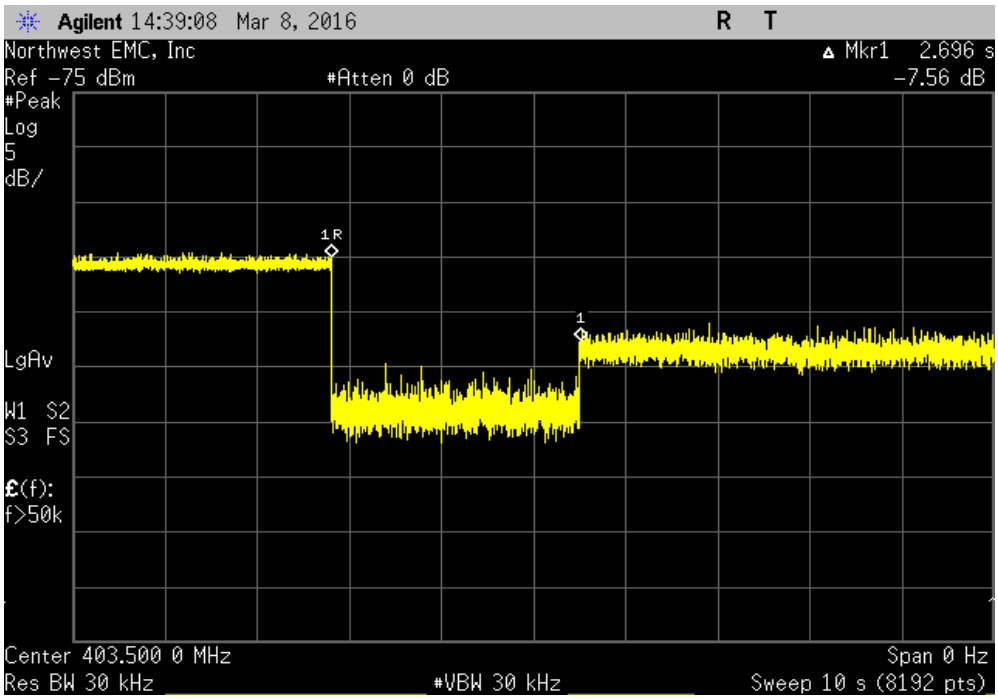
Configuration #	**5**	*Signature*

	Values (Seconds)	Limit < (Seconds)	Result
Run 1	2.696	5	Pass
Run 2	2.546	5	Pass
Run 3	2.657	5	Pass
Run 4	2.647	5	Pass
Run 5	2.619	5	Pass
Run 6	2.740	5	Pass
Run 7	2.813	5	Pass
Run 8	2.562	5	Pass
Run 9	2.673	5	Pass
Run 10	2.766	5	Pass

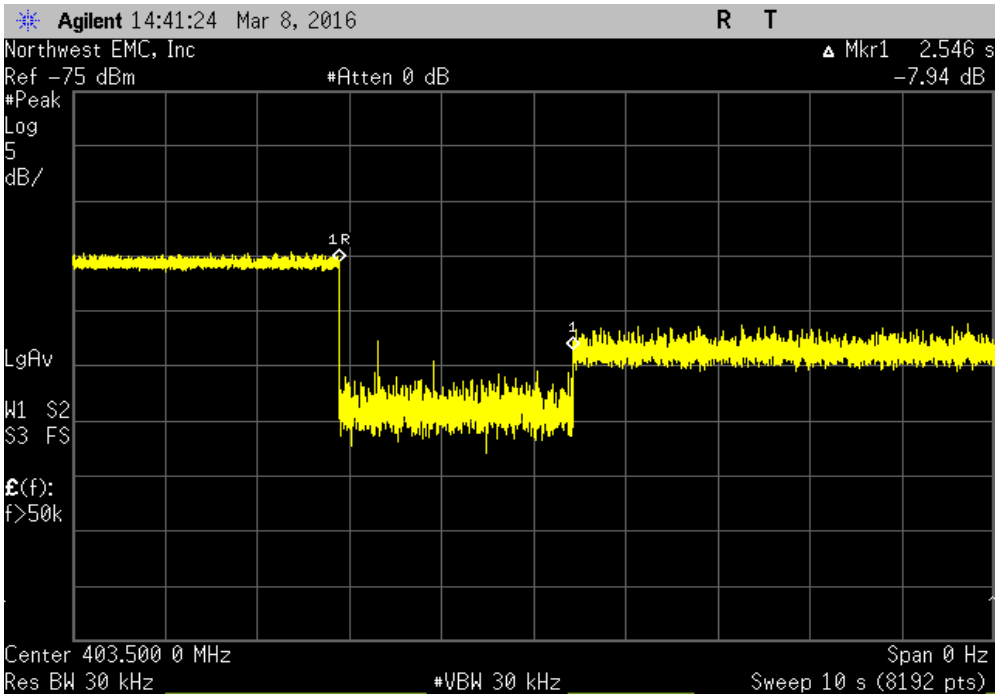
MONITORING SYSTEM SCAN CYCLE TIME

XMit 2015.01.14

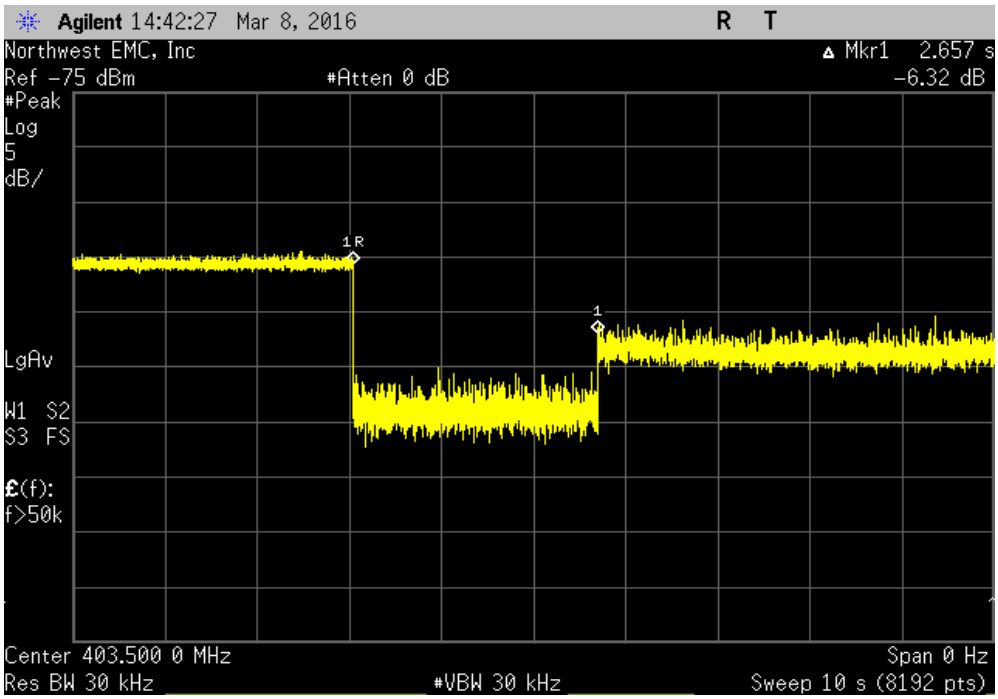
Run 1							
					Values (Seconds)	Limit < (Seconds)	Result
					2.696	5	Pass



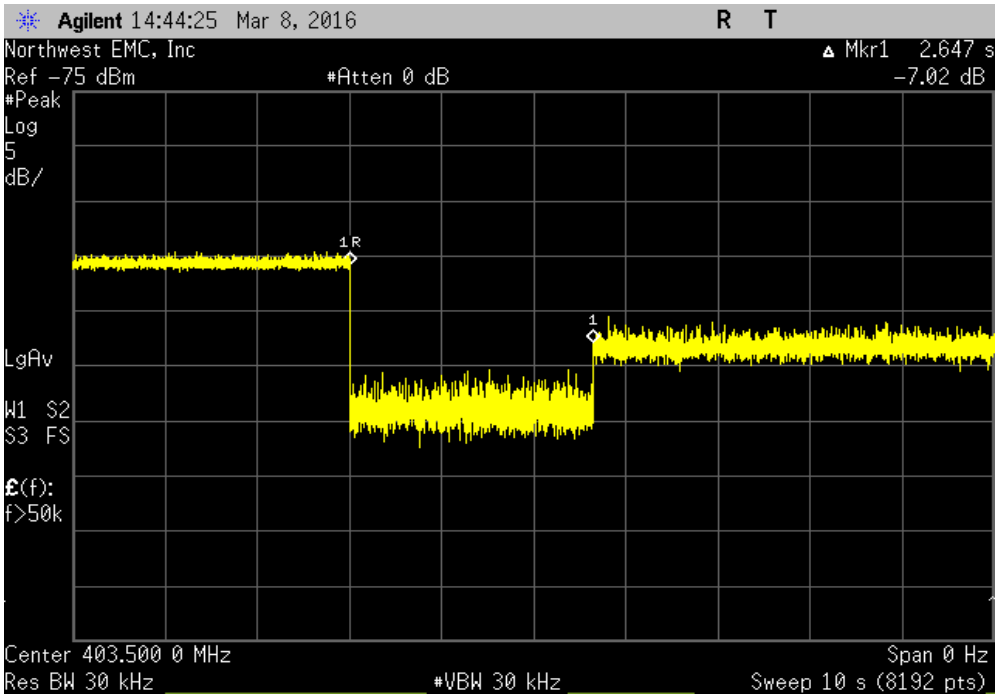
Run 2							
					Values (Seconds)	Limit < (Seconds)	Result
					2.546	5	Pass



Run 3						
				Values (Seconds)	Limit < (Seconds)	Result
				2.657	5	Pass



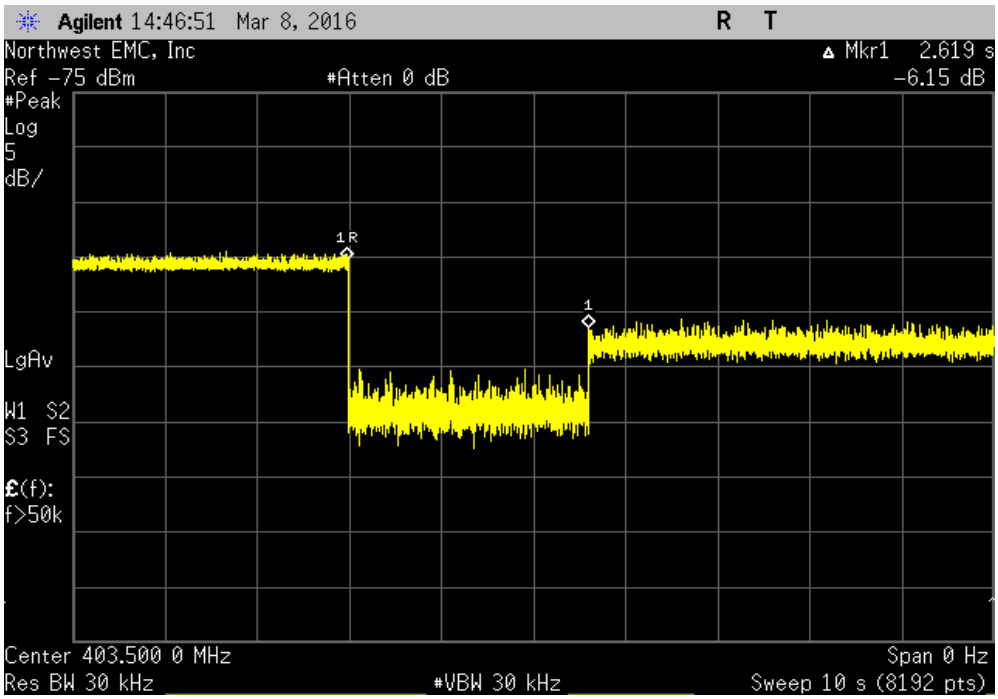
Run 4						
				Values (Seconds)	Limit < (Seconds)	Result
				2.647	5	Pass



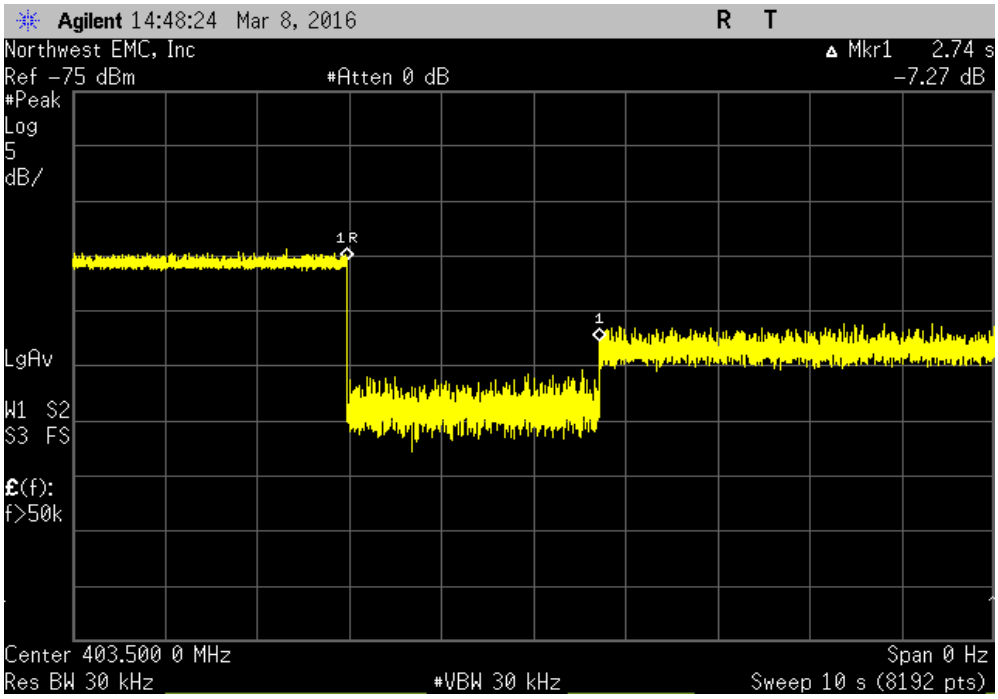
MONITORING SYSTEM SCAN CYCLE TIME

XMit 2015.01.14

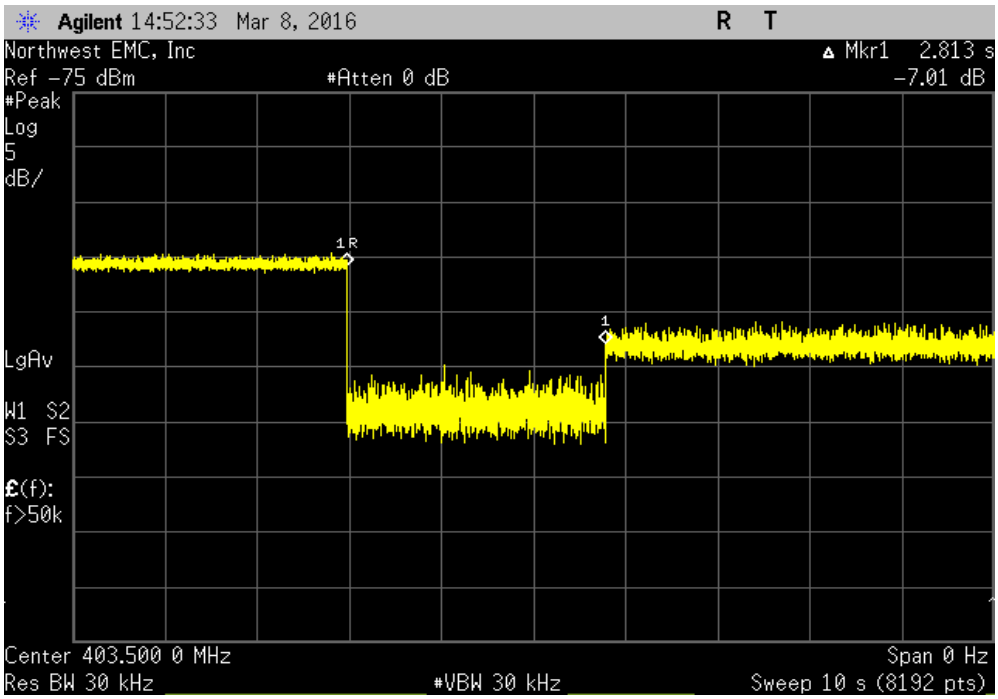
Run 5							
					Values (Seconds)	Limit < (Seconds)	Result
					2.619	5	Pass



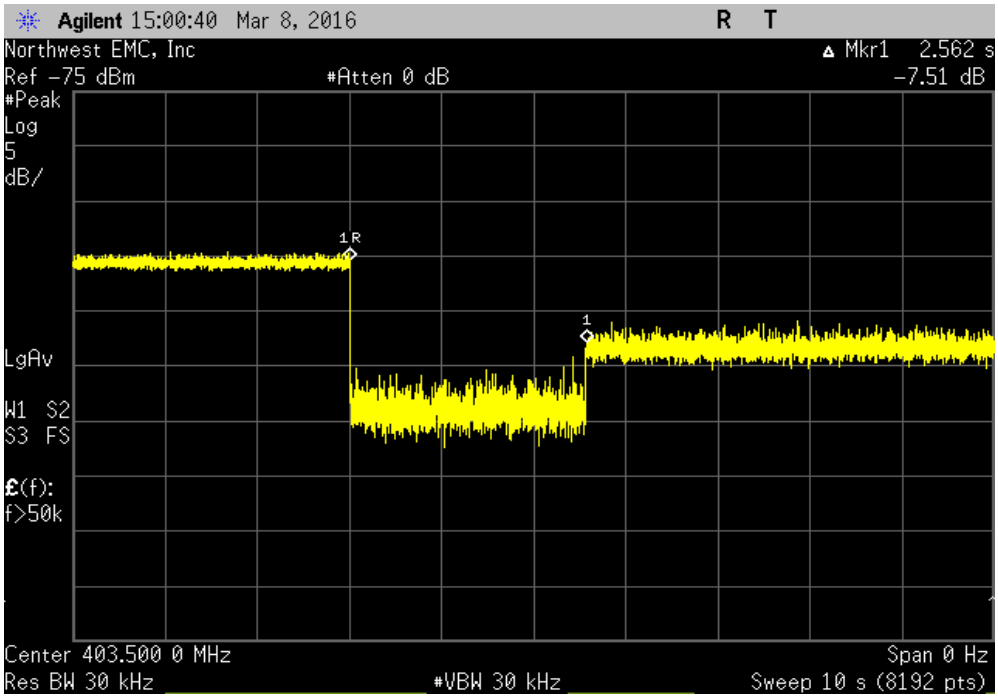
Run 6							
					Values (Seconds)	Limit < (Seconds)	Result
					2.740	5	Pass



Run 7						
				Values (Seconds)	Limit < (Seconds)	Result
				2.813	5	Pass



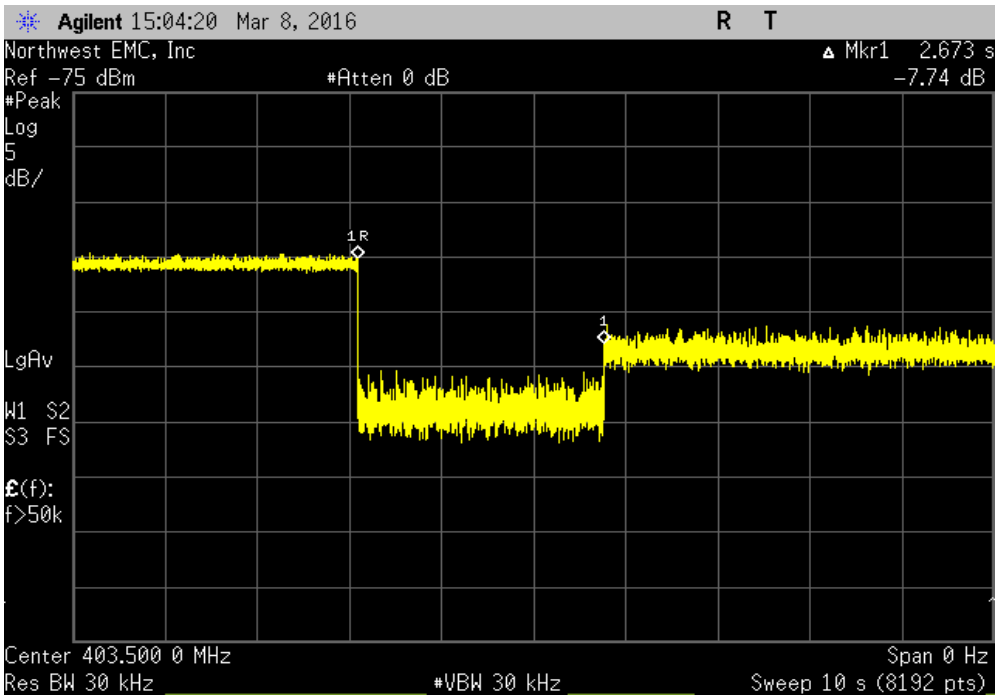
Run 8						
				Values (Seconds)	Limit < (Seconds)	Result
				2.562	5	Pass



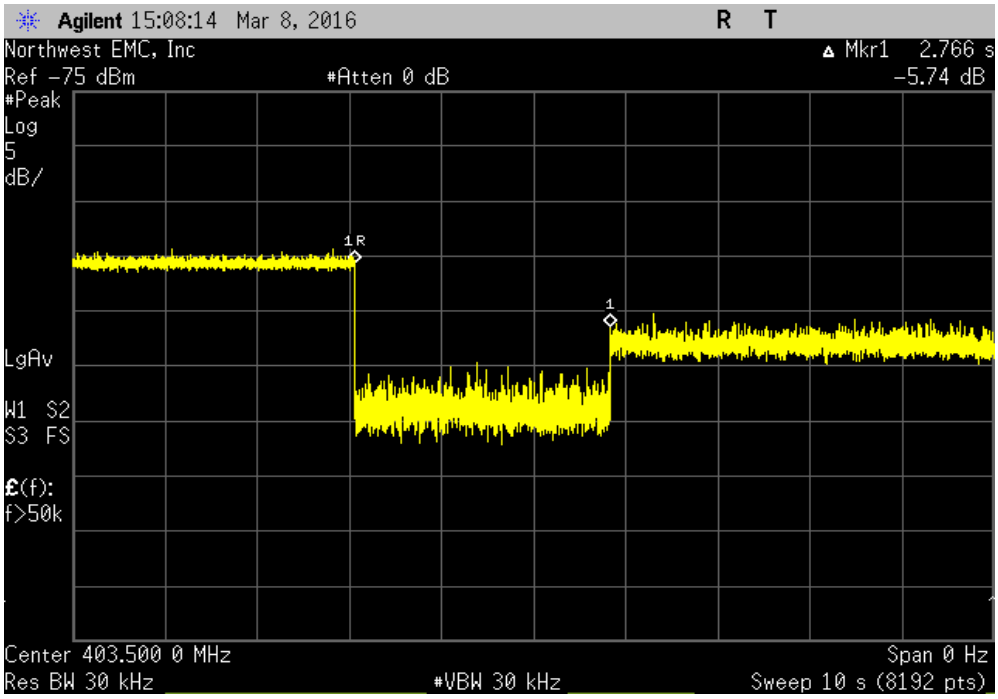
MONITORING SYSTEM SCAN CYCLE TIME

XMit 2015.01.14

Run 9						
				Values (Seconds)	Limit < (Seconds)	Result
				2.673	5	Pass



Run 10						
				Values (Seconds)	Limit < (Seconds)	Result
				2.766	5	Pass



MINIMUM CHANNEL MONITORING PERIOD

XMit 2015.01.14

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

TEST EQUIPMENT

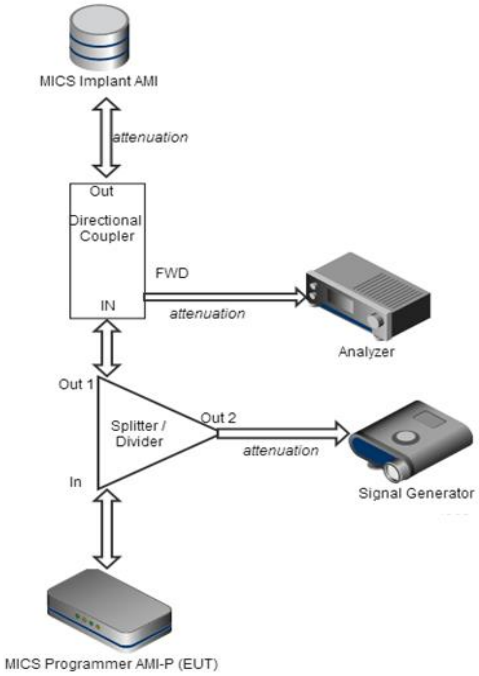
Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band, except one channel (Fc) was left available. The multitone operation (out of operation region) was also set to Pulse modulation with a Period of 10 mS, and a Pulse Width of 100 uS. The spectrum analyzer was set to measure the transmit band of 402-405 MHz.

The EUT was set to seek a session with the implantable device. The EUT was verified to connect on the available channel with multiple screen captures.



MINIMUM CHANNEL MONITORING PERIOD

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

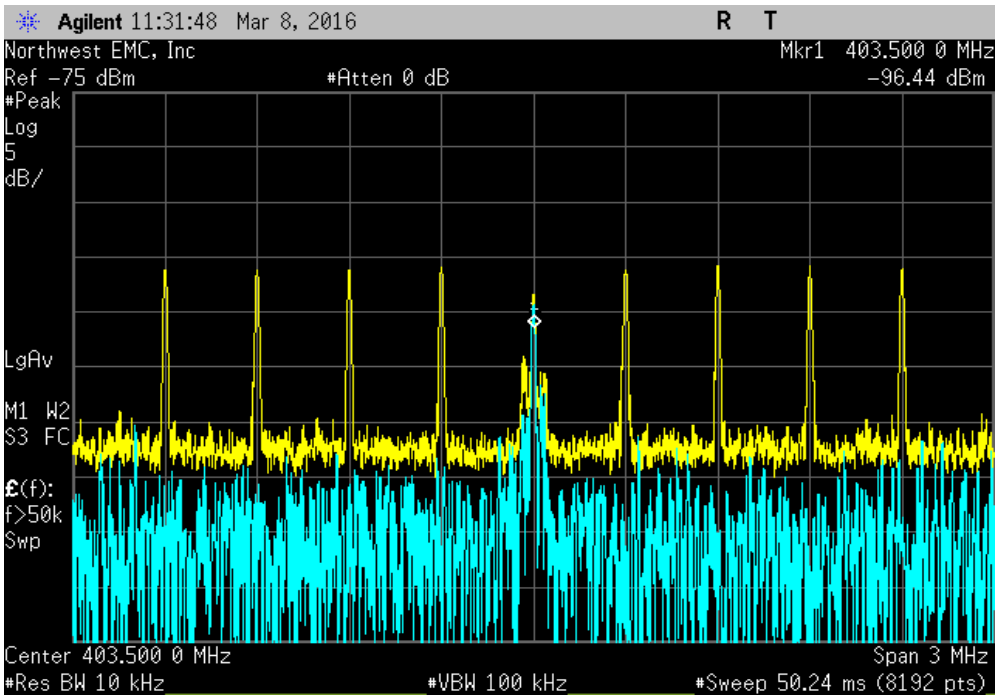
DEVIATIONS FROM TEST STANDARD

None

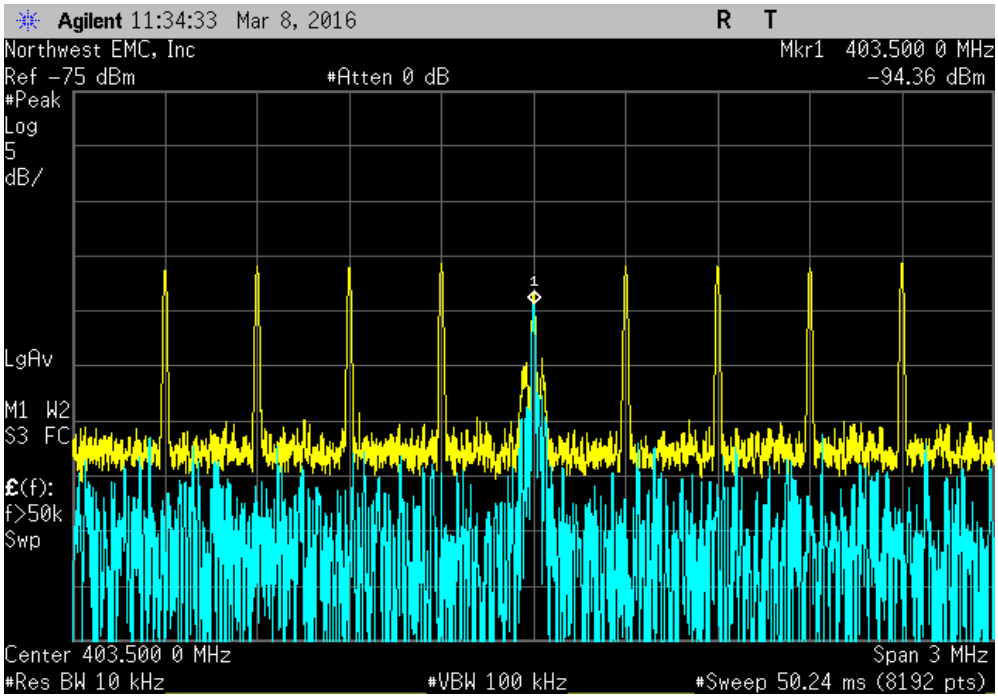
Configuration #	**5**	*Signature*

	Transmit on Channel (Fc)	Limit	Result
Run 1	Yes	Yes	Pass
Run 2	Yes	Yes	Pass
Run 3	Yes	Yes	Pass
Run 4	Yes	Yes	Pass
Run 5	Yes	Yes	Pass
Run 6	Yes	Yes	Pass
Run 7	Yes	Yes	Pass
Run 8	Yes	Yes	Pass
Run 9	Yes	Yes	Pass
Run 10	Yes	Yes	Pass

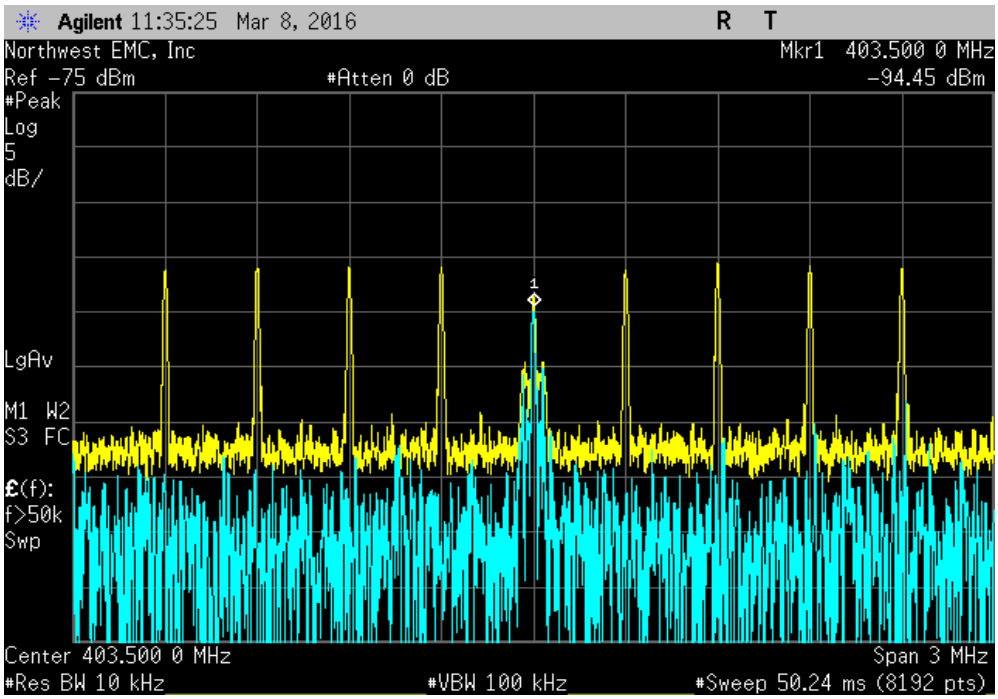
Run 1						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



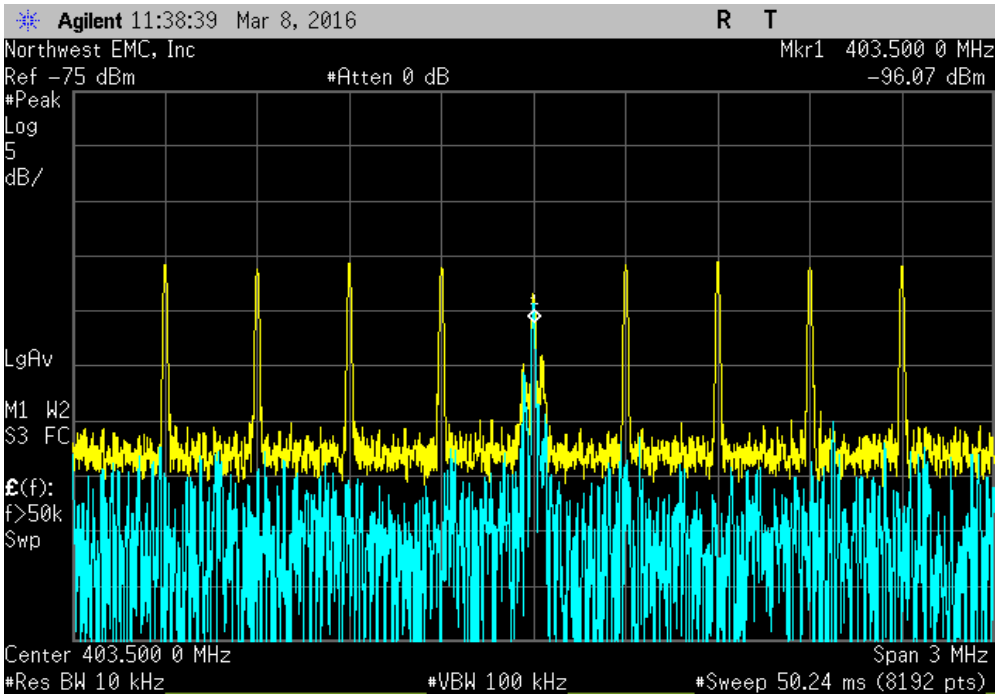
Run 2						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



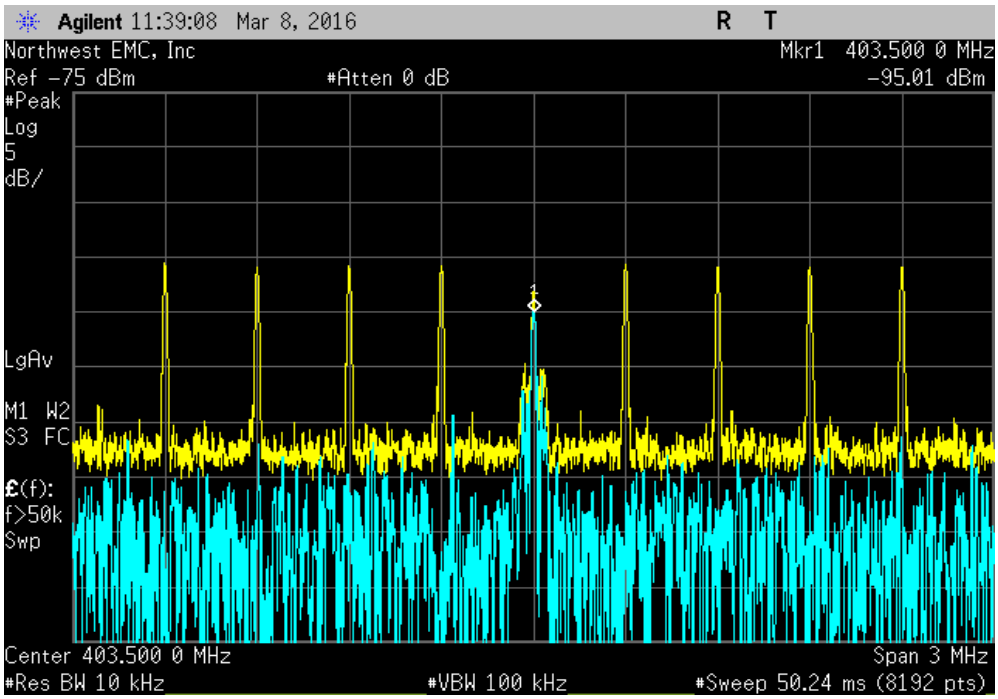
Run 3						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



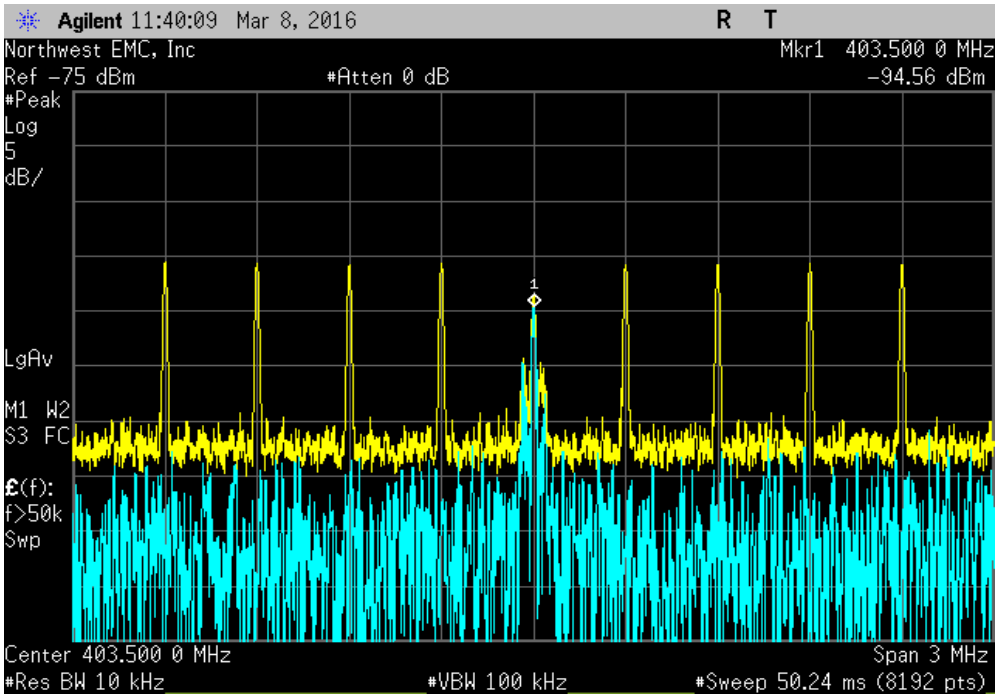
Run 4						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



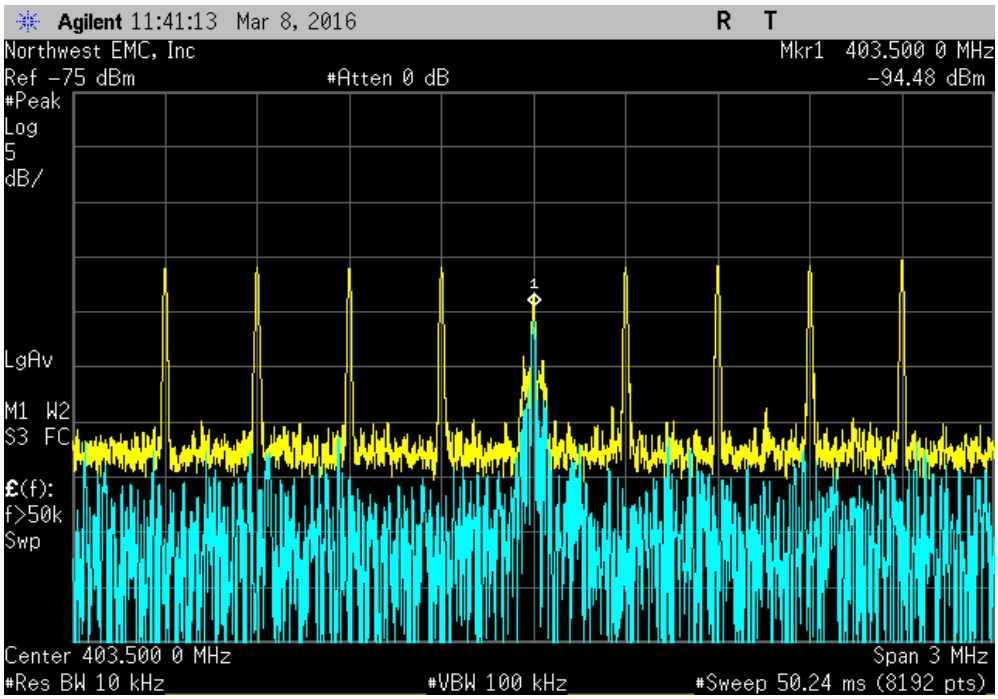
Run 5						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



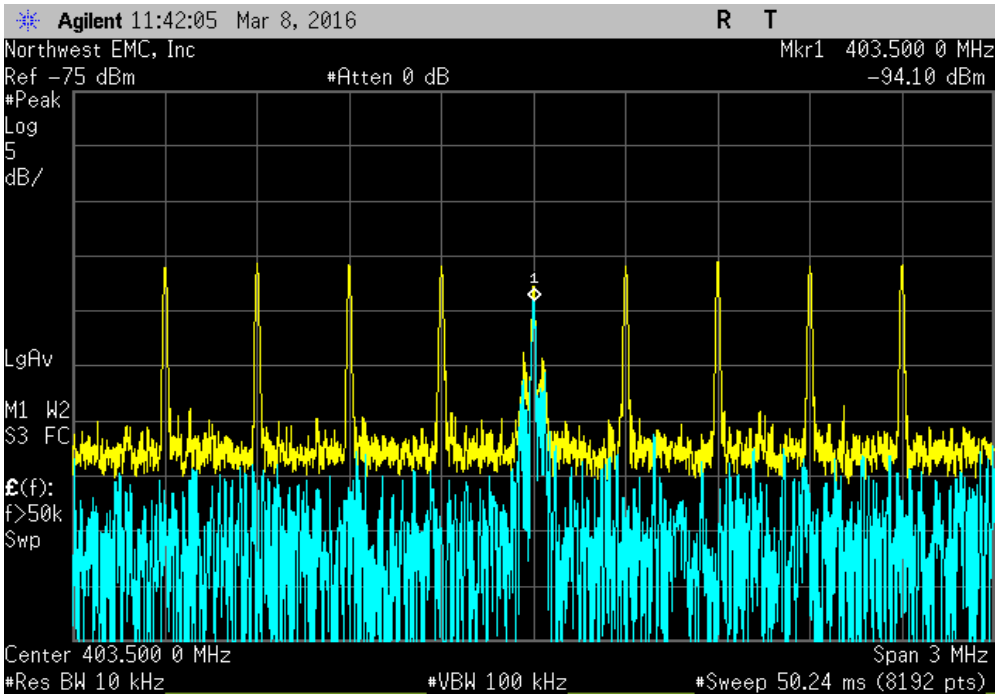
Run 6						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



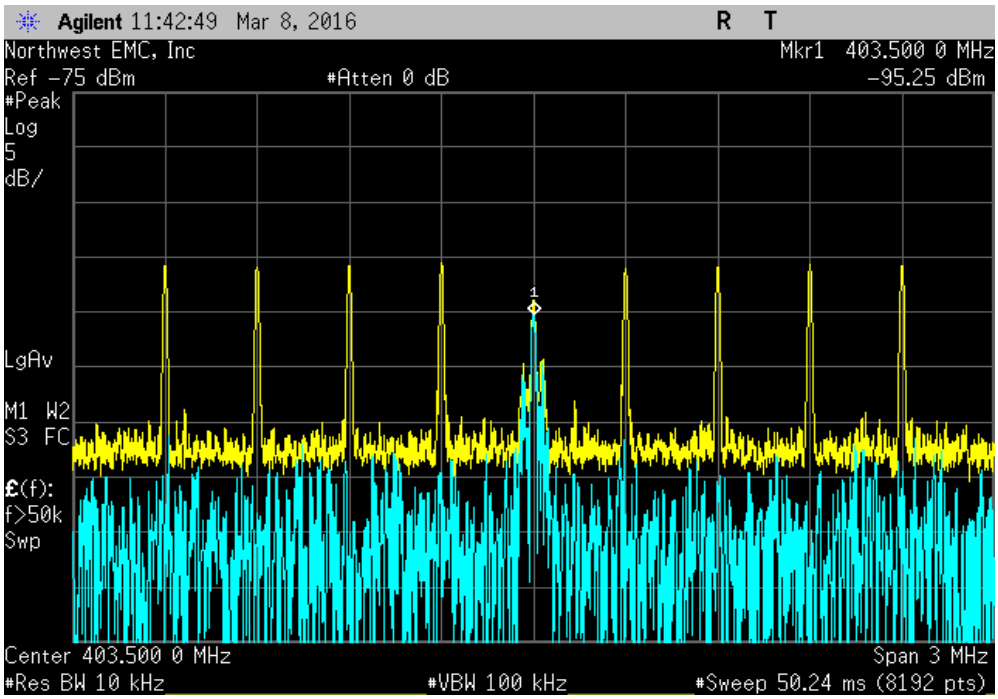
Run 7						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



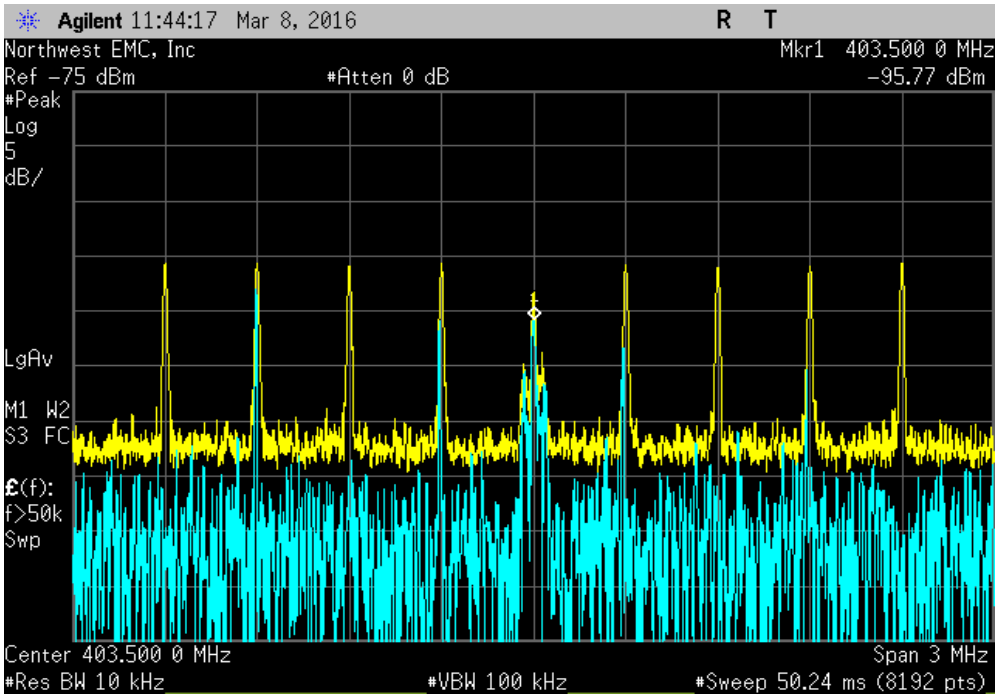
Run 8						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



Run 9						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



Run 10						
				Transmit on Channel (Fc)	Limit	Result
				Yes	Yes	Pass



CHANNEL ACCESS BASED ON AMBIENT LEVELS

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

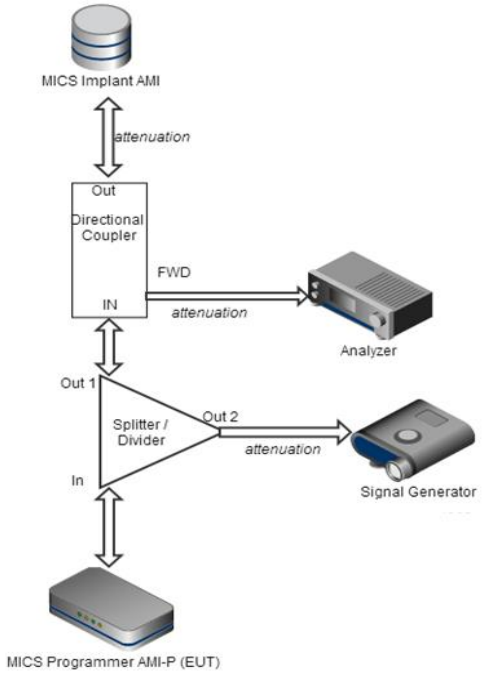
TEST DESCRIPTION

The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band. The amplitude of the multitone signals (out of operation region) were set to the LBT threshold of 10*LOG(Bandwidth) - 150 + Antenna Gain + 10 dB.

The intended frequency (Fc) was set to the LBT threshold - 3 dB. A least interferred channel (LIC) was set to the LBT threshold + 3 dB. The EUT was verified to transmit on Fc. The amplitude of Fc was then raised to the LBT threshold + 6 dB. The EUT was verified to transmit on LIC.

The spectrum analyzer was set to measure the transmit band of 402-405 MHz. Screen captures were provided to show the EUT behavior at the different LBT threshold levels.



CHANNEL ACCESS BASED ON AMBIENT LEVELS

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

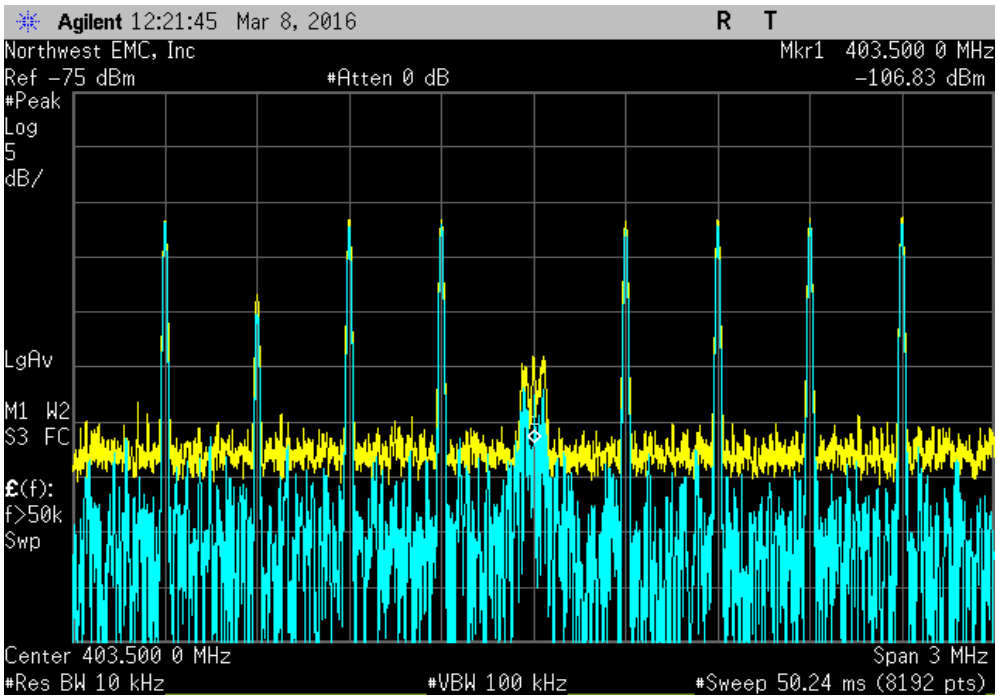
DEVIATIONS FROM TEST STANDARD

None

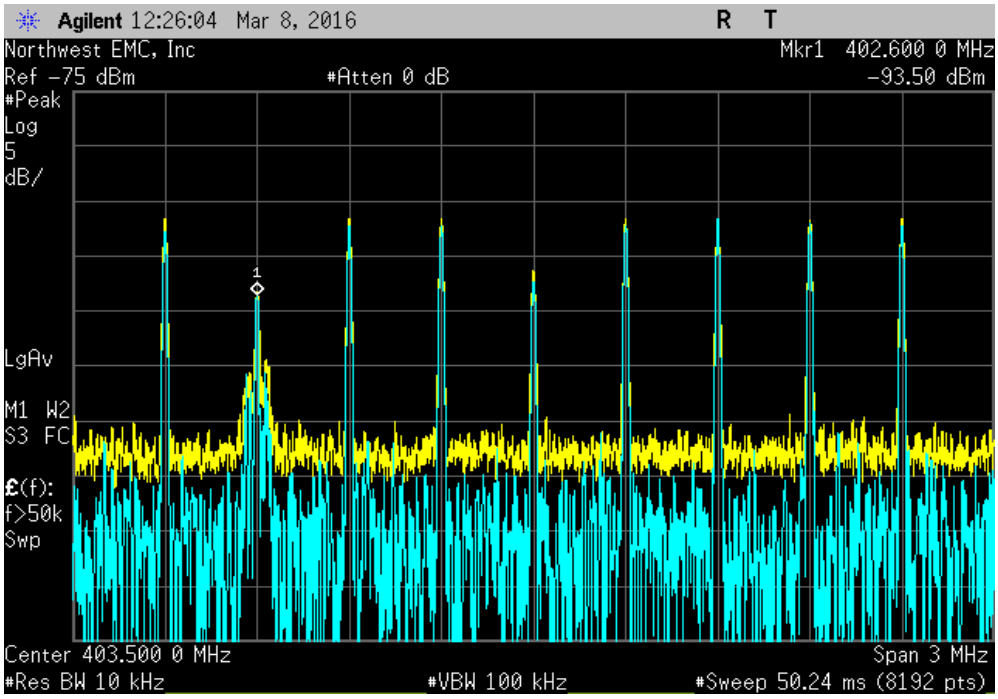
Configuration #	5	Signature

	Transmit on LIC	Transmit on Fc	Limit (LIC)	Result
Fc LBT Threshold -3	No	Yes	No	Pass
Fc LBT Threshold +6	Yes	No	Yes	Pass

Fc LBT Threshold -3						
			Transmit on LIC	Transmit on Fc	Limit (LIC)	Result
			No	Yes	No	Pass



Fc LBT Threshold +6						
			Transmit on LIC	Transmit on Fc	Limit (LIC)	Result
			Yes	No	Yes	Pass



DISCONTINUATION MICS SESSION

XMit 2015.01.14

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

TEST EQUIPMENT

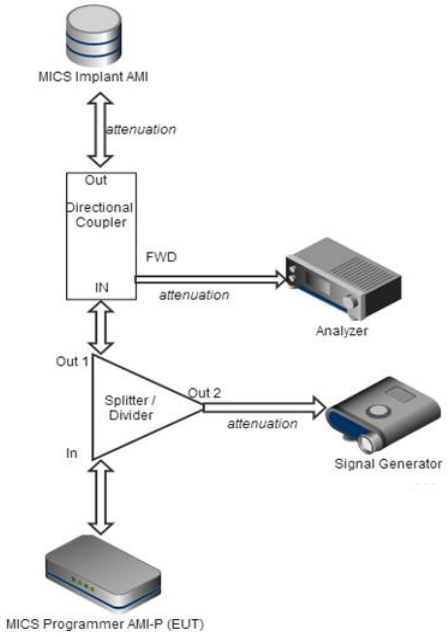
Description	Manufacturer	Model	ID	Last Cal.	Interval (mos)
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	36
Directional Coupler	Amplifier Research	DC3400A	IRL	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP8451-2	IAO	NCR	0
Attenuator	Fairview Microwave	SA18E-10	TKS	4/8/2015	12
Block - DC	Aeroflex	INMET 8535	AMO	4/8/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFD	7/23/2015	12

TEST DESCRIPTION

The EUT was configured according to the following block diagram:

The signal generator was set to multitone operation to cause equal interferance across the entire band. The amplitude of the multitone signals (out of operation region) were set to the LBT threshold of 10*LOG(Bandwidth) - 150 + Antenna Gain + 10 dB.

The intended frequency (Fc) was set to the LBT threshold + 6 dB. A least interferred channel (LIC) was set to the LBT threshold + 3 dB. The spectrum analyzer was set to measure the time between the removal of the MICS Implant AMI to when the EUT does not transmit on the LIC.



DISCONTINUATION MICS SESSION

NORTHWEST EMC

XMit 2015.01.14

EUT:	Charging Device (CD) Model - 1401 (MedRadio/MICS)			**Work Order:**	AXON0041
Serial Number:	AD1D260007			**Date:**	03/08/16
Customer:	Axonics Modulation Technologies, Inc.			**Temperature:**	19.7°C
Attendees:	Franklin Portillo			**Humidity:**	48%
Project:	None			**Barometric Pres.:**	1017
Tested by:	Johnny Candelas	**Power:**	3.8VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	**Test Method**
FCC 95.627(a)	ANSI/TIA/EIA-603-C-2004

COMMENTS

LIC = 402.6 MHz. Calculated LBT Threshold = 10 * LOG(Bandwidth) - 150 + Antenna Gain. Bandwidth is 122kHz. Antenna gain is +2dBi.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	**5**	*Signature*

	Value (Sec)	**Limit**	**Result**
Zero Span Discontinuation	3.148	< 5	Pass

Zero Span Discontinuation						
				Value (Sec)	Limit	Result
				3.148	< 5	Pass