



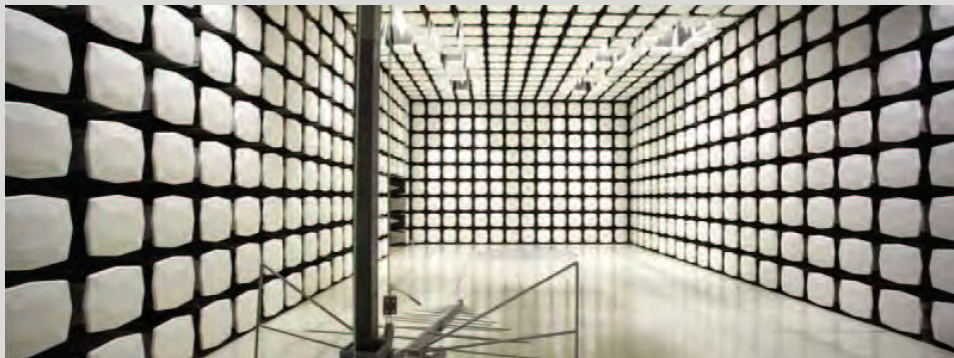
**Spacelabs Healthcare, Inc.**

**96281-B09N**

**96281-B09W**

**FCC 95H:2014**

**Report #: SPAC0516.2**



Report Prepared By Northwest EMC Inc.

NORTHWEST EMC – (888) 364-2378 – [www.nwemc.com](http://www.nwemc.com)

California – Minnesota – Oregon – New York – Washington

# CERTIFICATE OF TEST

**Last Date of Test: May 15, 2014**  
**Spacelabs Healthcare, Inc.**  
**Model: 96281-B09N**  
**96281-B09W**

| Test Description                     | Specification | Test Method             | Pass/Fail |
|--------------------------------------|---------------|-------------------------|-----------|
| Field Strength of Fundamental        | FCC 95H:2014  | ANSI/TIA/EIA-603-C-2004 | Pass      |
| Field Strength of Spurious Emissions | FCC 95H:2014  | ANSI/TIA/EIA-603-C-2004 | Pass      |
| Output Power                         | FCC 95H:2014  | ANSI/TIA/EIA-603-C-2004 | Pass      |
| Occupied Bandwidth                   | FCC 95H:2014  | ANSI/TIA/EIA-603-C-2004 | Pass      |
| Frequency Stability                  | FCC 95H:2014  | ANSI/TIA/EIA-603-C-2004 | Pass      |

## Deviations From Test Standards

None

**Approved By:**



Rod Munro, Operations Manager



**NVLAP Lab Code: 200629-0**

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

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

# REVISION HISTORY

| Revision Number | Description | Date | Page Number |
|-----------------|-------------|------|-------------|
| 00              | None        |      |             |

## Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

---

## United States

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

**A2LA** - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

**NVLAP** - Each laboratory is accredited by NVLAP to ISO 17025

---

## Canada

**IC** - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

---

## European Union

**European Commission** – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

---

## Australia/New Zealand

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

---

## Korea

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

---

## Japan

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

---

## Taiwan

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

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

---

## Singapore

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

---

## Hong Kong

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

---

## Vietnam

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

---

## Russia

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

---

## SCOPE

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

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

## Measurement Uncertainty

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

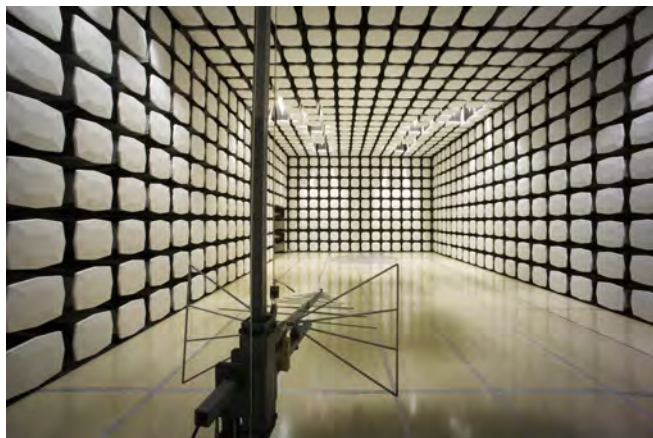
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-1 as applicable), and are available upon request.

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

| <b>Test</b>                           | <b>+ MU</b> | <b>- MU</b> |
|---------------------------------------|-------------|-------------|
| Frequency Accuracy (Hz)               | 0.12        | -0.01       |
| Amplitude Accuracy (dB)               | 0.49        | -0.49       |
| Conducted Power (dB)                  | 0.41        | -0.41       |
| Radiated Power via Substitution (dB)  | 0.69        | -0.68       |
| Temperature (degrees C)               | 0.81        | -0.81       |
| Humidity (% RH)                       | 2.89        | -2.89       |
| Field Strength (dB)                   | 4.00        | -4.00       |
| AC Powerline Conducted Emissions (dB) | 2.70        | -2.70       |



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



## Client and Equipment Under Test (EUT) Information

|                                 |                            |
|---------------------------------|----------------------------|
| <b>Company Name:</b>            | Spacelabs Healthcare, Inc. |
| <b>Address:</b>                 | 35301 SE Center Street     |
| <b>City, State, Zip:</b>        | Snoqualmie, WA 98065       |
| <b>Test Requested By:</b>       | Jon Scott                  |
| <b>Model:</b>                   | 96281-B09N<br>96281-B09W   |
| <b>First Date of Test:</b>      | February 18, 2014          |
| <b>Last Date of Test:</b>       | May 15, 2014               |
| <b>Receipt Date of Samples:</b> | February 17, 2014          |
| <b>Equipment Design Stage:</b>  | Production                 |
| <b>Equipment Condition:</b>     | No Damage                  |

## Information Provided by the Party Requesting the Test

|                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functional Description of the EUT (Equipment Under Test):</b>                                                                               |
| The 96281-B09N and the 96281-B09W are a body-worn telemetry transmitters operating in the 1395 - 1400 MHz and 1427 - 1432 MHz bands.           |
| <b>Testing Objective:</b>                                                                                                                      |
| To demonstrate compliance with FCC 95H requirements for a medical telemetry device operating in the 1395 - 1400 MHz and 1427 - 1432 MHz bands. |

## Configuration SPAC0516- 2

| EUT                  |                            |                   |               |
|----------------------|----------------------------|-------------------|---------------|
| Description          | Manufacturer               | Model/Part Number | Serial Number |
| AriaTele Transmitter | Spacelabs Healthcare, Inc. | 96281-B09         | B1409B        |

| Cables                 |        |            |         |                      |              |
|------------------------|--------|------------|---------|----------------------|--------------|
| Cable Type             | Shield | Length (m) | Ferrite | Connection 1         | Connection 2 |
| ECG/Telemetry Lead Set | No     | 0.64m      | No      | AriaTele Transmitter | Terminated   |

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    | 2/18/2014 | Field Strength of Spurious Emission | 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    | 2/21/2014 | 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. |
| 3    | 2/21/2014 | Field Strength of Fundamental       | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT returned to manufacturer.                     |
| 4    | 4/10/2014 | Frequency Stability                 | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT returned to manufacturer.                     |
| 5    | 5/15/2014 | Output Power                        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed.                  |



## FIELD STRENGTH OF FUNDAMENTAL

Macro Version

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.

### Channels Tested

Transmitting at 1397.45 MHz - Narrow Band  
Transmitting at 1397.45 MHz - Wide Band  
Transmitting at 1429.05 MHz - Narrow Band  
Transmitting at 1429.05 MHz - Wide Band

### POWER SETTINGS INVESTIGATED

Battery

### CONFIGURATIONS INVESTIGATED

SPAC0516 - 2

### FREQUENCY RANGE INVESTIGATED

Start Frequency 1395 MHz Stop Frequency 1432 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 |
|-------------------|--------------|-----------------|-----|------------|----------|
| NC01 Cables       | N/A          | 3115 Horn Cable | NC2 | 10/24/2013 | 12 mo    |
| Antenna, Horn     | EMCO         | 3115            | AHM | 6/19/2012  | 24 mo    |
| Spectrum Analyzer | Agilent      | E4440A          | AAW | 2/21/2013  | 24 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

Per FCC 95.1115(2), the maximum radiated field strength for a WMTS transmitter is 740 mV/m using an average detector and a 1 MHz measurement bandwidth. Measurements were taken in dBuV/m, and the limit for Field Strength of the Fundamental was converted to dBuV/m, equalling 117.4 dBuV/m.

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.

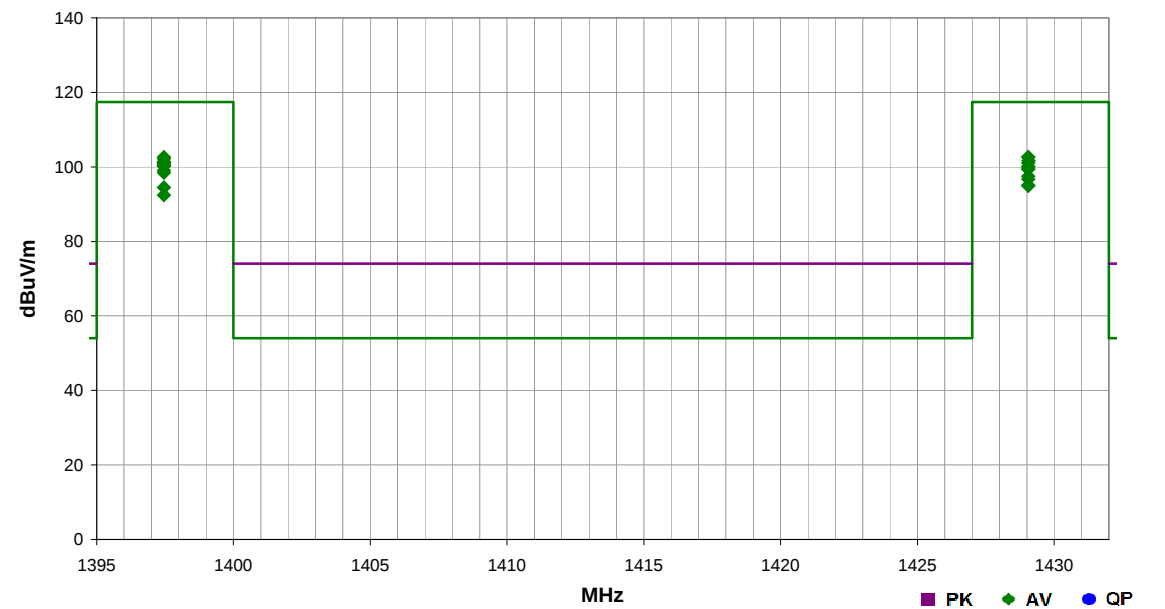


FIELD STRENGTH OF  
FUNDAMENTAL

PSA-ESCI 2012.12.14  
EmiR5 2014.01.02

|                             |                                                                                                                                                                                               |                   |           |  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|--|
| Work Order:                 | SPAC0516                                                                                                                                                                                      | Date:             | 02/21/14  |  |
| Project:                    | None                                                                                                                                                                                          | Temperature:      | 24 °C     |  |
| Job Site:                   | NC01                                                                                                                                                                                          | Humidity:         | 29% RH    |  |
| Serial Number:              | B1409B                                                                                                                                                                                        | Barometric Pres.: | 1024 mbar |  |
| Tested by: Richard Mellroth |                                                                                                                                                                                               |                   |           |  |
| EUT:                        | 96281-B09                                                                                                                                                                                     |                   |           |  |
| Configuration:              | 2                                                                                                                                                                                             |                   |           |  |
| Customer:                   | Spacelabs Healthcare, Inc                                                                                                                                                                     |                   |           |  |
| Attendees:                  | None                                                                                                                                                                                          |                   |           |  |
| EUT Power:                  | Battery                                                                                                                                                                                       |                   |           |  |
| Operating Mode:             | Transmitting at 1397.45 MHz - Narrow Band, 1397.45 MHz - Wide Band, 1429.05 MHz - Narrow Band, and 1429.05 MHz - Wide Band. See comments next to data points for EUT channel and orientation. |                   |           |  |
| Deviations:                 | No deviations.                                                                                                                                                                                |                   |           |  |
| Comments:                   | None                                                                                                                                                                                          |                   |           |  |

| Test Specifications |       |                   |   | Test Method             |      |         |      |
|---------------------|-------|-------------------|---|-------------------------|------|---------|------|
| FCC 95H:2014        |       |                   |   | ANSI/TIA/EIA-603-C-2004 |      |         |      |
|                     |       |                   |   |                         |      |         |      |
|                     |       |                   |   |                         |      |         |      |
| Run #               | 50-53 | Test Distance (m) | 3 | Antenna Height(s)       | 1-4m | 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                          |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|-----------------------------------|
| 1429.058   | 72.2             | 30.5        | 1.1                     | 328.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 102.7             | 117.4                | -14.7                  | CH: 1429.05 MHz, NB, EUT on Side  |
| 1429.057   | 72.2             | 30.5        | 1.1                     | 329.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 102.7             | 117.4                | -14.7                  | CH: 1429.05 MHz, WB, EUT on Side  |
| 1397.457   | 72.2             | 30.4        | 1.2                     | 326.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 102.6             | 117.4                | -14.8                  | CH: 1397.45 MHz, WB, EUT on Side  |
| 1397.458   | 71.8             | 30.4        | 1.2                     | 328.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 102.2             | 117.4                | -15.2                  | CH: 1397.45 MHz, NB, EUT on Side  |
| 1429.060   | 71.2             | 30.5        | 1.1                     | 329.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 101.7             | 117.4                | -15.7                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 1397.455   | 71.0             | 30.4        | 1.2                     | 326.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 101.4             | 117.4                | -16.0                  | CH: 1397.45 MHz, NB, EUT Flat     |
| 1397.455   | 70.9             | 30.4        | 1.2                     | 327.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 101.3             | 117.4                | -16.1                  | CH: 1397.45 MHz, WB, EUT Flat     |
| 1429.058   | 70.6             | 30.5        | 1.2                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 101.1             | 117.4                | -16.3                  | CH: 1429.05 MHz, NB, EUT Flat     |
| 1397.457   | 70.5             | 30.4        | 1.1                     | 85.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.9             | 117.4                | -16.5                  | CH: 1397.45 MHz, NB, EUT on Side  |
| 1397.455   | 70.0             | 30.4        | 1.9                     | 2.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.4             | 117.4                | -17.0                  | CH: 1397.45 MHz, WB, EUT Standing |
| 1397.458   | 69.9             | 30.4        | 1.8                     | 358.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.3             | 117.4                | -17.1                  | CH: 1397.45 MHz, NB, EUT Standing |
| 1397.457   | 69.8             | 30.4        | 1.0                     | 84.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.2             | 117.4                | -17.2                  | CH: 1397.45 MHz, WB, EUT on Side  |
| 1429.055   | 69.6             | 30.5        | 1.2                     | 347.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.1             | 117.4                | -17.3                  | CH: 1429.05 MHz, NB, EUT Standing |
| 1429.053   | 69.6             | 30.5        | 1.2                     | 350.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 100.1             | 117.4                | -17.3                  | CH: 1429.05 MHz, WB, EUT Standing |
| 1429.057   | 69.0             | 30.5        | 1.7                     | 65.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 99.5              | 117.4                | -17.9                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 1429.058   | 68.9             | 30.5        | 1.7                     | 65.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 99.4              | 117.4                | -18.0                  | CH: 1429.05 MHz, NB, EUT Flat     |
| 1397.458   | 68.6             | 30.4        | 1.8                     | 69.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 99.0              | 117.4                | -18.4                  | CH: 1397.45 MHz, NB, EUT Flat     |
| 1397.453   | 68.0             | 30.4        | 1.7                     | 70.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 98.4              | 117.4                | -19.0                  | CH: 1397.45 MHz, WB, EUT Flat     |
| 1429.058   | 67.0             | 30.5        | 1.2                     | 18.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 97.5              | 117.4                | -19.9                  | CH: 1429.05 MHz, NB, EUT on Side  |
| 1429.055   | 66.2             | 30.5        | 1.2                     | 18.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 96.7              | 117.4                | -20.7                  | CH: 1429.05 MHz, WB, EUT on Side  |
| 1429.055   | 64.6             | 30.5        | 2.1                     | 326.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 95.1              | 117.4                | -22.3                  | CH: 1429.05 MHz, WB, EUT Standing |
| 1429.055   | 64.4             | 30.5        | 2.1                     | 324.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 94.9              | 117.4                | -22.5                  | CH: 1429.05 MHz, NB, EUT Standing |
| 1397.455   | 64.1             | 30.4        | 2.2                     | 320.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 94.5              | 117.4                | -22.9                  | CH: 1397.45 MHz, NB, EUT Standing |
| 1397.455   | 62.0             | 30.4        | 1.1                     | 69.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 92.4              | 117.4                | -25.0                  | CH: 1397.45 MHz, WB, EUT Standing |



## FIELD STRENGTH OF SPURIOUS EMISSIONS

Macro Version

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.

### Channels Tested

Transmitting at 1397.45 MHz, Narrow Band (25 kHz)  
Transmitting at 1397.45 MHz, Wide Band (50kHz)  
Transmitting at 1429.05 MHz, Narrow Band (25 kHz)  
Transmitting at 1429.05 MHz, Wide Band (50 kHz)

### POWER SETTINGS INVESTIGATED

Battery

### CONFIGURATIONS INVESTIGATED

SPAC0516 - 2

### FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz Stop Frequency 12400 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 |
|--------------------|---------------|--------------------------|-----|------------|----------|
| HP Filter          | Micro-Tronics | HPM50111                 | HHI | 1/18/2013  | 24 mo    |
| Notch Filter       | K&L Microwave | 3TNF-1000/2000-N/N       | HHN | 8/28/2013  | 12 mo    |
| LP Filter          | Micro-Tronics | LPM50004                 | LFF | 11/14/2013 | 24 mo    |
| Pre-Amplifier      | Miteq         | AMF-6F-08001200-30-10P   | AOK | 12/6/2013  | 12 mo    |
| Pre-Amplifier      | Miteq         | AMF-3D-00100800-32-13P   | AVZ | 10/24/2013 | 12 mo    |
| Pre-Amplifier      | Miteq         | AM-1616-1000             | PAB | 10/24/2013 | 12 mo    |
| Antenna, Horn      | EMCO          | 3160-07                  | AHP | NCR        | 0 mo     |
| Antenna, Horn      | EMCO          | 3115                     | AHM | 6/19/2012  | 24 mo    |
| Antenna, Biconilog | EMCO          | 3142                     | AXJ | 5/16/2012  | 36 mo    |
| NC01 Cables        | N/A           | Standard Gain Horn Cable | NC3 | 12/6/2013  | 12 mo    |
| NC01 Cables        | N/A           | 3115 Horn Cable          | NC2 | 10/24/2013 | 12 mo    |
| NC01 Cables        | N/A           | Bilog Cables             | NC1 | 10/24/2013 | 12 mo    |
| Spectrum Analyzer  | Agilent       | E4440A                   | AAW | 2/21/2013  | 24 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 EUT was configured for mid band transmit frequencies for the 1395-1400 MHz band and 1429-1432 MHz band. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.



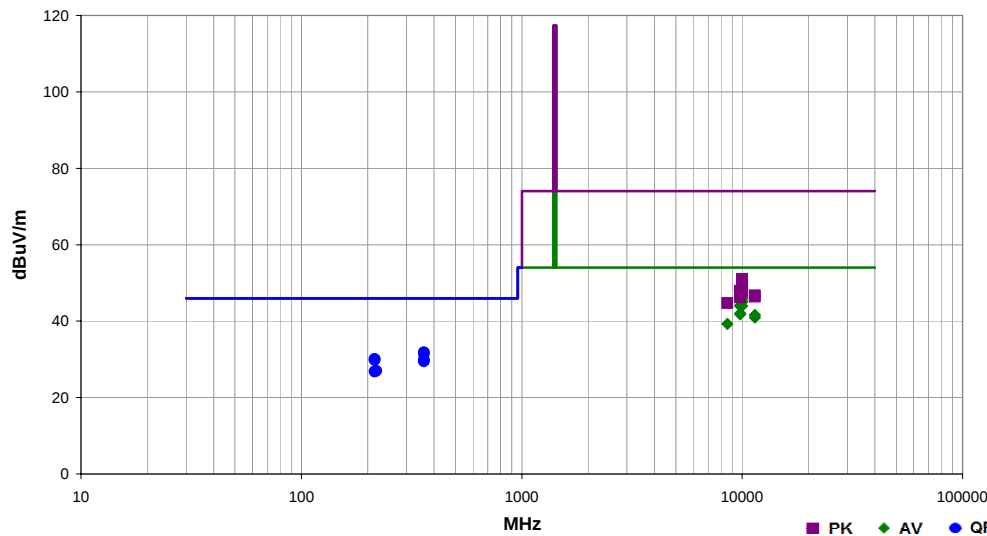
# FIELD STRENGTH OF SPURIOUS EMISSIONS

PSA-ESCI 2012.12.14  
EmiR5 2014.01.02

|                 |                                                                                 |                   |           |  |
|-----------------|---------------------------------------------------------------------------------|-------------------|-----------|--|
| Work Order:     | SPAC0516                                                                        | Date:             | 02/18/14  |  |
| Project:        | None                                                                            | Temperature:      | 23 °C     |  |
| Job Site:       | NC01                                                                            | Humidity:         | 34% RH    |  |
| Serial Number:  | B1409B                                                                          | Barometric Pres.: | 1011 mbar |  |
| EUT:            | 96281-B09                                                                       |                   |           |  |
| Configuration:  | 2                                                                               |                   |           |  |
| Customer:       | Spacelabs Healthcare, Inc.                                                      |                   |           |  |
| Attendees:      | None                                                                            |                   |           |  |
| EUT Power:      | Battery                                                                         |                   |           |  |
| Operating Mode: | See comments next to data points below for EUT transmit channel and orientation |                   |           |  |
| Deviations:     | No deviations.                                                                  |                   |           |  |
| Comments:       | None                                                                            |                   |           |  |

| Test Specifications | Test Method             |
|---------------------|-------------------------|
| FCC 95H:2014        | ANSI/TIA/EIA-603-C-2004 |

| Run # | 36-38 | Test Distance (m) | 3 | Antenna Height(s) | 1-4m | 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                          |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|-----------------------------------|
| 10003.360  | 50.8             | -2.3        | 1.1                     | 190.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 48.5              | 54.0                 | -5.5                   | CH: 1429.05 MHz, WB, EUT Standing |
| 10003.360  | 50.6             | -2.3        | 1.2                     | 185.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 48.3              | 54.0                 | -5.7                   | CH: 1429.05 MHz, NB, EUT Standing |
| 10003.370  | 50.2             | -2.3        | 1.2                     | 313.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | CH: 1429.05 MHz, WB, EUT on Side  |
| 10003.370  | 48.7             | -2.3        | 1.3                     | 284.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 46.4              | 54.0                 | -7.6                   | CH: 1429.05 MHz, WB, EUT Flat     |
| 10003.350  | 48.2             | -2.3        | 1.2                     | 333.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 45.9              | 54.0                 | -8.1                   | CH: 1429.05 MHz, WB, EUT on Side  |
| 10003.360  | 47.5             | -2.3        | 1.2                     | 231.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 45.2              | 54.0                 | -8.8                   | CH: 1429.05 MHz, NB, EUT Flat     |
| 10003.370  | 47.4             | -2.3        | 1.3                     | 16.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 45.1              | 54.0                 | -8.9                   | CH: 1429.05 MHz, WB, EUT Standing |
| 9782.155   | 46.5             | -2.3        | 1.2                     | 243.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 44.2              | 54.0                 | -9.8                   | CH: 1397.45 MHz, WB, EUT Flat     |
| 10003.370  | 46.3             | -2.3        | 1.2                     | 16.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 44.0              | 54.0                 | -10.0                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 9782.165   | 46.3             | -2.3        | 1.2                     | 239.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 44.0              | 54.0                 | -10.0                  | CH: 1397.45 MHz, NB, EUT Flat     |
| 9782.160   | 44.4             | -2.3        | 1.2                     | 279.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 42.1              | 54.0                 | -11.9                  | CH: 1397.45 MHz, WB, EUT Standing |
| 9782.160   | 44.1             | -2.3        | 1.2                     | 251.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 41.8              | 54.0                 | -12.2                  | CH: 1397.45 MHz, NB, EUT Standing |
| 11432.410  | 43.6             | -1.9        | 1.3                     | 16.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 41.7              | 54.0                 | -12.3                  | CH: 1429.05 MHz, NB, EUT Flat     |
| 11432.400  | 42.9             | -1.9        | 1.2                     | 336.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 41.0              | 54.0                 | -13.0                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 360.445    | 28.7             | 3.1         | 1.8                     | 200.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 31.8              | 46.0                 | -14.2                  | CH: 1429.05 MHz, NB, EUT Standing |
| 360.447    | 28.3             | 3.1         | 1.8                     | 291.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 31.4              | 46.0                 | -14.6                  | CH: 1397.45 MHz, NB, EUT Standing |
| 8574.315   | 44.3             | -5.1        | 1.3                     | 121.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 39.2              | 54.0                 | -14.8                  | CH: 1429.05 MHz, WB, EUT Standing |
| 215.040    | 32.6             | -2.5        | 1.7                     | 176.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 30.1              | 46.0                 | -15.9                  | CH: 1397.45 MHz, NB, EUT Standing |
| 360.447    | 26.7             | 3.1         | 1.0                     | 14.0              | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 29.8              | 46.0                 | -16.2                  | CH: 1397.45 MHz, WB, EUT Standing |
| 215.045    | 32.3             | -2.5        | 1.8                     | 190.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 29.8              | 46.0                 | -16.2                  | CH: 1429.05 MHz, WB, EUT Standing |
| 360.447    | 26.3             | 3.1         | 3.7                     | 39.0              | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 29.4              | 46.0                 | -16.6                  | CH: 1429.05 MHz, WB, EUT Standing |
| 219.137    | 29.3             | -2.3        | 1.3                     | 227.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 27.0              | 46.0                 | -19.0                  | CH: 1397.45 MHz, WB, EUT Standing |
| 215.047    | 29.3             | -2.5        | 2.3                     | 331.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 26.8              | 46.0                 | -19.2                  | CH: 1429.05 MHz, WB, EUT Standing |
| 10003.330  | 53.3             | -2.3        | 1.2                     | 185.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 51.0              | 74.0                 | -23.0                  | CH: 1429.05 MHz, WB, EUT Standing |
| 10003.290  | 53.0             | -2.3        | 1.1                     | 190.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 50.7              | 74.0                 | -23.3                  | CH: 1429.05 MHz, WB, EUT Standing |
| 10003.410  | 52.7             | -2.3        | 1.2                     | 313.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 50.4              | 74.0                 | -23.6                  | CH: 1429.05 MHz, WB, EUT on Side  |
| 10003.290  | 51.6             | -2.3        | 1.3                     | 284.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 49.3              | 74.0                 | -24.7                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 10003.360  | 51.3             | -2.3        | 1.2                     | 333.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 49.0              | 74.0                 | -25.0                  | CH: 1429.05 MHz, WB, EUT on Side  |
| 10003.410  | 50.6             | -2.3        | 1.3                     | 16.0              | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 48.3              | 74.0                 | -25.7                  | CH: 1429.05 MHz, WB, EUT Standing |
| 10003.550  | 50.5             | -2.3        | 1.2                     | 231.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 48.2              | 74.0                 | -25.8                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 10003.480  | 50.2             | -2.3        | 1.2                     | 16.0              | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 47.9              | 74.0                 | -26.1                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 9781.940   | 50.2             | -2.3        | 1.2                     | 243.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 47.9              | 74.0                 | -26.1                  | CH: 1397.45 MHz, WB, EUT Flat     |
| 9782.025   | 50.0             | -2.3        | 1.2                     | 239.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 47.7              | 74.0                 | -26.3                  | CH: 1397.45 MHz, NB, EUT Flat     |
| 9781.845   | 49.1             | -2.3        | 1.2                     | 279.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 46.8              | 74.0                 | -27.2                  | CH: 1397.45 MHz, WB, EUT Standing |
| 11432.250  | 48.7             | -1.9        | 1.2                     | 336.0             | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 46.8              | 74.0                 | -27.2                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 11432.200  | 48.3             | -1.9        | 1.3                     | 16.0              | 3.0                    | 0.0                       | Vert                     | PK       | 0.0                      | 46.4              | 74.0                 | -27.6                  | CH: 1429.05 MHz, WB, EUT Flat     |
| 9782.080   | 48.6             | -2.3        | 1.2                     | 251.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 46.3              | 74.0                 | -27.7                  | CH: 1397.45 MHz, NB, EUT Standing |
| 8574.180   | 49.8             | -5.1        | 1.3                     | 121.0             | 3.0                    | 0.0                       | Horz                     | PK       | 0.0                      | 44.7              | 74.0                 | -29.3                  | CH: 1429.05 MHz, WB, EUT Standing |

## 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 |
|-------------------|--------------------|------------------|-----|-----------|----------|
| Signal Generator  | Agilent            | N5183A           | TIA | 4/7/2014  | 36       |
| NC02 Cable        | ESM Cable Corp.    | TTBJ-141 KMKM-72 | NC5 | 7/3/2013  | 12       |
| 40GHz DC Block    | Fairview Microwave | SD3379           | AMJ | 7/3/2013  | 12       |
| Attenuator        | Fairview Microwave | SA4014-20        | TKE | 2/13/2014 | 12       |
| Spectrum Analyzer | Agilent            | E4446A           | AAT | 6/28/2012 | 24       |

### TEST DESCRIPTION

The peak output power was measured with the EUT set to the middle transmit frequency in each band. 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.



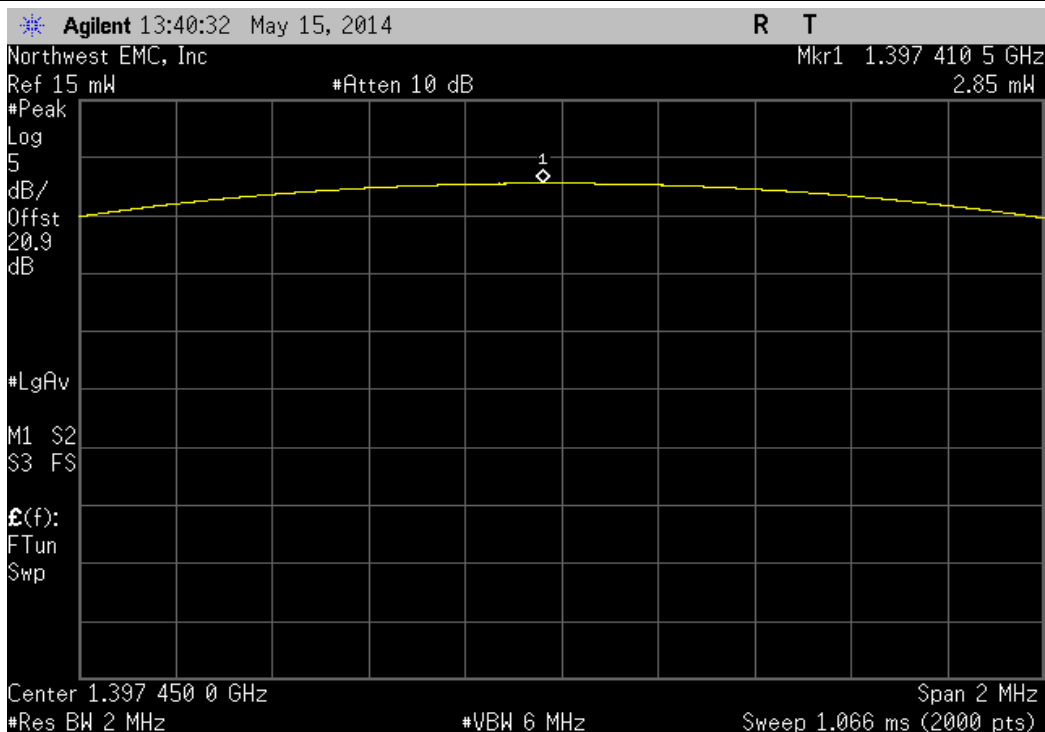
## OUTPUT POWER

XMit 2014.02.07  
PsaTx 2014.04.01

|                                      |   |                                                                                             |        |
|--------------------------------------|---|---------------------------------------------------------------------------------------------|--------|
| EUT: 96281-B                         |   | Work Order: SPAC0516                                                                        |        |
| Serial Number: B1407B                |   | Date: 05/15/14                                                                              |        |
| Customer: Spacelabs Healthcare, Inc. |   | Temperature: 24°C                                                                           |        |
| Attendees: None                      |   | Humidity: 37%                                                                               |        |
| Project: None                        |   | Barometric Pres.: 1017 mb                                                                   |        |
| Tested by: Richard Mellroth          |   | Power: Battery                                                                              |        |
|                                      |   | Job Site: NC06                                                                              |        |
| TEST SPECIFICATIONS                  |   |                                                                                             |        |
| FCC 95H:2014                         |   | Test Method                                                                                 |        |
|                                      |   | ANSI/TIA/EIA-603-C-2004                                                                     |        |
| COMMENTS                             |   |                                                                                             |        |
| None                                 |   |                                                                                             |        |
| DEVIATIONS FROM TEST STANDARD        |   |                                                                                             |        |
| No deviations.                       |   |                                                                                             |        |
| Configuration #                      | 4 | Signature  |        |
|                                      |   | Value                                                                                       | Limit  |
| Narrow Band                          |   |                                                                                             | Result |
| Mid Channel 1397.45 MHz              |   | 2.848 mW                                                                                    | N/A    |
| Mid Channel 1429.05 MHz              |   | 2.992 mW                                                                                    | N/A    |
| Wide Band                            |   |                                                                                             | Result |
| Mid Channel 1397.45 MHz              |   | 2.813 mW                                                                                    | N/A    |
| Mid Channel 1429.05 MHz              |   | 3.01 mW                                                                                     | N/A    |

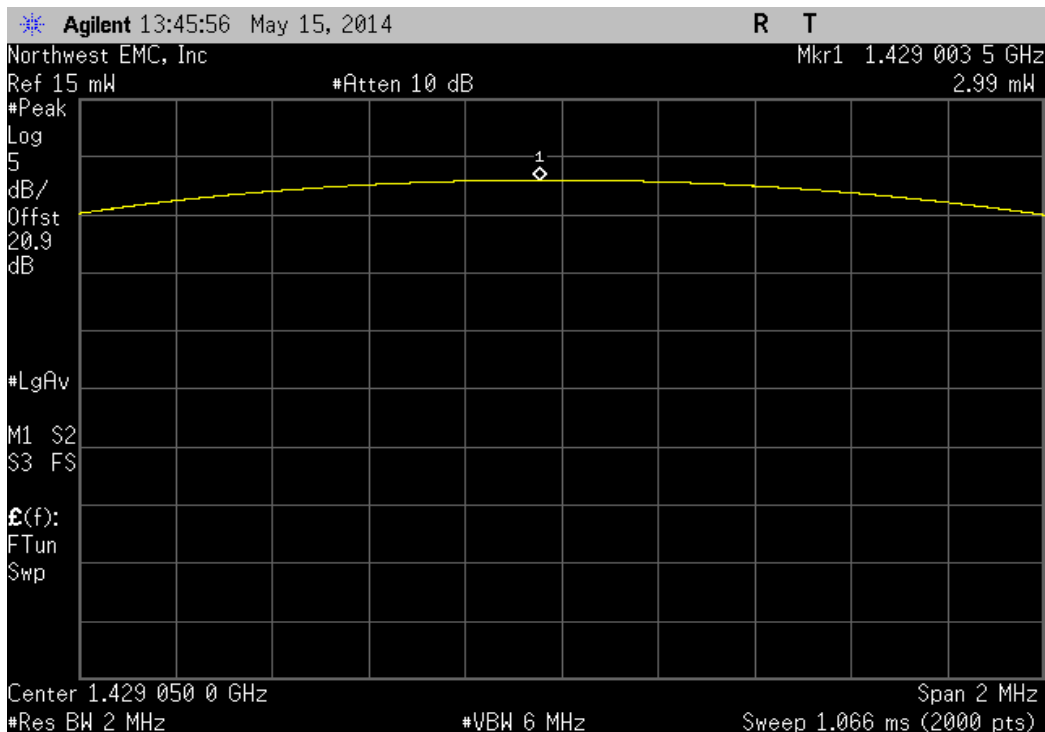
Narrow Band, Mid Channel 1397.45 MHz

|  |  |  |  | Value    | Limit | Result |
|--|--|--|--|----------|-------|--------|
|  |  |  |  | 2.848 mW | N/A   | Pass   |

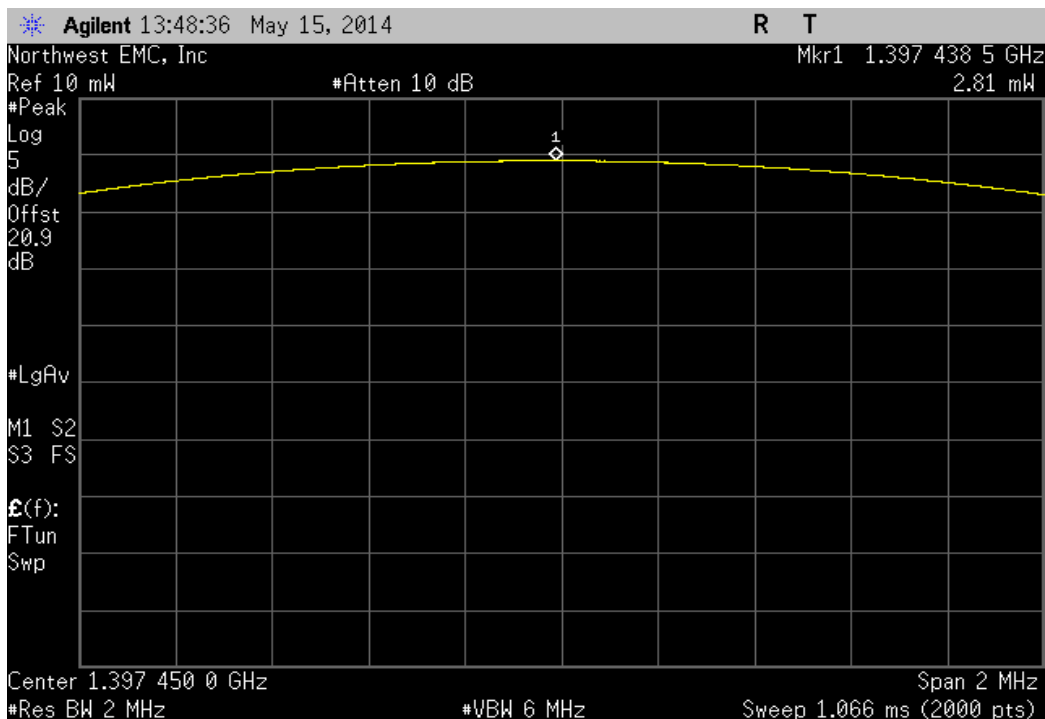


Narrow Band, Mid Channel 1429.05 MHz

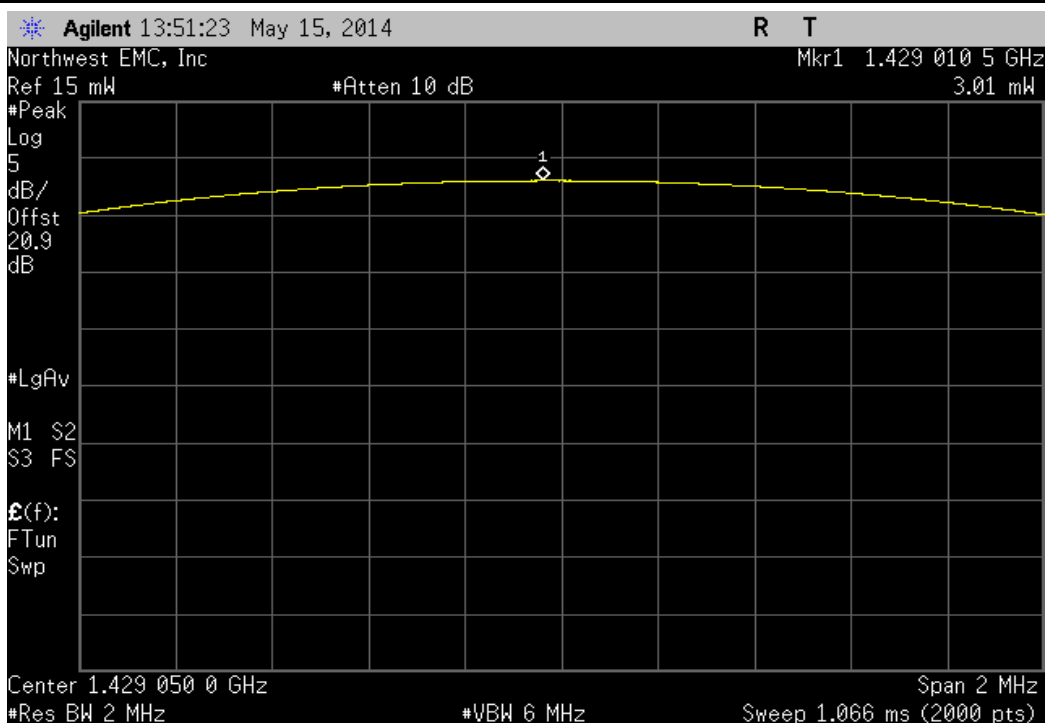
|  |  |  |  | Value    | Limit | Result |
|--|--|--|--|----------|-------|--------|
|  |  |  |  | 2.992 mW | N/A   | Pass   |



| Wide Band, Mid Channel 1397.45 MHz |  |  |  |          |       |        |
|------------------------------------|--|--|--|----------|-------|--------|
|                                    |  |  |  | Value    | Limit | Result |
|                                    |  |  |  | 2.813 mW | N/A   | Pass   |



| Wide Band, Mid Channel 1429.05 MHz |  |  |  |         |       |        |
|------------------------------------|--|--|--|---------|-------|--------|
|                                    |  |  |  | Value   | Limit | Result |
|                                    |  |  |  | 3.01 mW | N/A   | Pass   |



## 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 |
|-------------------------|------------------|----------|-----|------------|----------|
| Near Field Probe Set    | Com-Power        | PS-400   | IPE | NCR        | 0        |
| Attenuator, 10db, 'SMA' | S.M. Electronics | SA18H-10 | REJ | 12/12/2013 | 12       |
| Spectrum Analyzer       | Agilent          | E4446A   | AAT | 6/28/2012  | 24       |

### TEST DESCRIPTION

Per 47 CFR 2.1049, the 99% bandwidth was measured utilizing the analyzer's peak detector and measuring the carrier's 20 dB occupied bandwidth.

The antenna is integral to the EUT, so a radiated measurement was made using a spectrum analyzer and a near field probe. At 300Hz the spectrum analyzer's resolution bandwidth was sufficiently narrow to plot the actual bandwidth of the signal and not the filter response curve of the spectrum analyzer. The resolution bandwidth was >1% of the 20dB bandwidth and the video bandwidth was greater than or equal to the resolution bandwidth.

The occupied bandwidth was measured with the EUT configured for continuous modulated operation at the low and high channel of each of the operational bands.



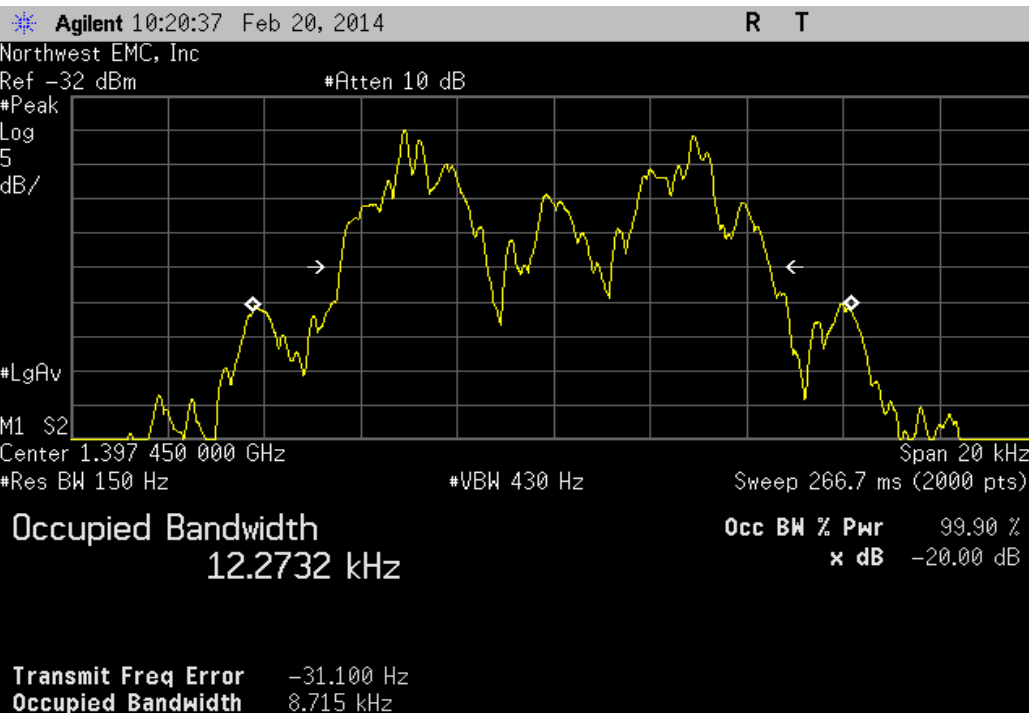
## OCCUPIED BANDWIDTH

XMit 2013.08.15  
PsaTx 2013.07.11

|                                      |   |                                   |                |
|--------------------------------------|---|-----------------------------------|----------------|
| EUT: 96281-B09                       |   | Work Order: SPAC0516              |                |
| Serial Number: B1409B                |   | Date: 02/21/14                    |                |
| Customer: Spacelabs Healthcare, Inc. |   | Temperature: 24.1°C               |                |
| Attendees: None                      |   | Humidity: 31%                     |                |
| Project: None                        |   | Barometric Pres.: 1008            |                |
| Tested by: Matthew Barnes            |   | Power: Battery                    |                |
|                                      |   | Job Site: NC04                    |                |
| TEST SPECIFICATIONS                  |   |                                   |                |
| FCC 95H:2014                         |   | Test Method                       |                |
|                                      |   | ANSI/TIA/EIA-603-C-2004           |                |
| COMMENTS                             |   |                                   |                |
| Maximizing fundamental               |   |                                   |                |
| DEVIATIONS FROM TEST STANDARD        |   |                                   |                |
| No deviations.                       |   |                                   |                |
| Configuration #                      | 2 | Signature <i>Matthew W Barnes</i> |                |
|                                      |   |                                   |                |
|                                      |   | Value                             | Limit          |
| Normal Voltage                       |   |                                   | Result         |
| Low Channel, 1397.45 NB              |   | 8.715 kHz                         | ≤ 300 kHz Pass |
| Low Channel, 1397.45 WB              |   | 17.569 kHz                        | ≤ 300 kHz Pass |
| High Channel, 1429.05 NB             |   | 8.814 kHz                         | ≤ 300 kHz Pass |
| High Channel, 1429.05 WB             |   | 17.38 kHz                         | ≤ 300 kHz Pass |

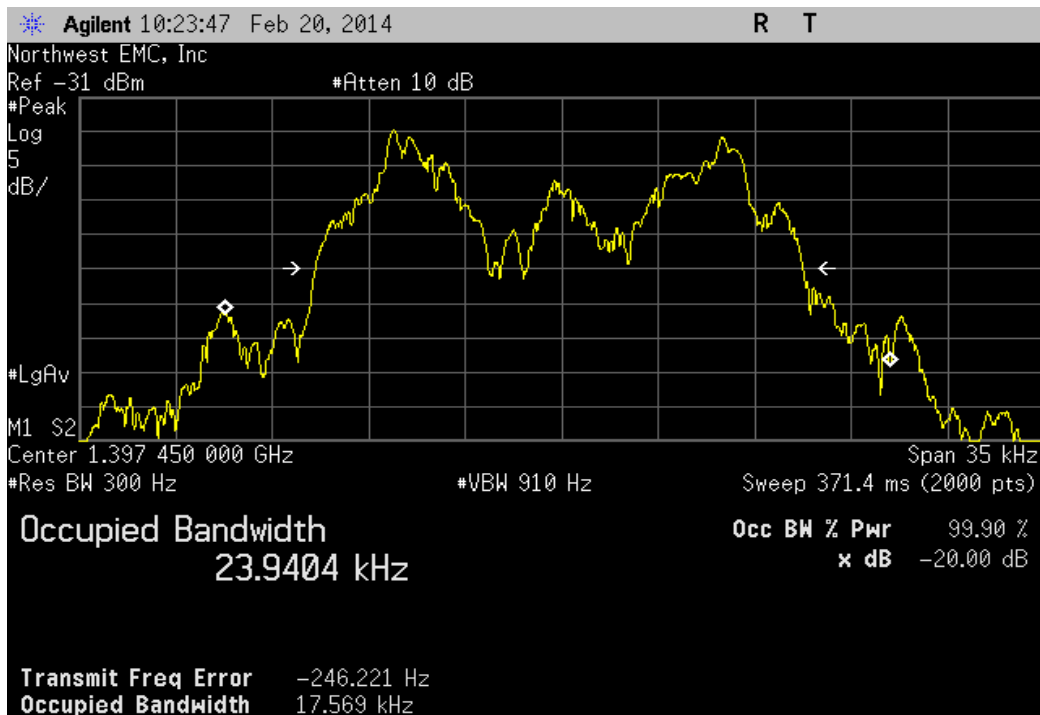
Normal Voltage, Low Channel, 1397.45 NB

|  | Value     | Limit     | Result |
|--|-----------|-----------|--------|
|  | 8.715 kHz | ≤ 300 kHz | Pass   |



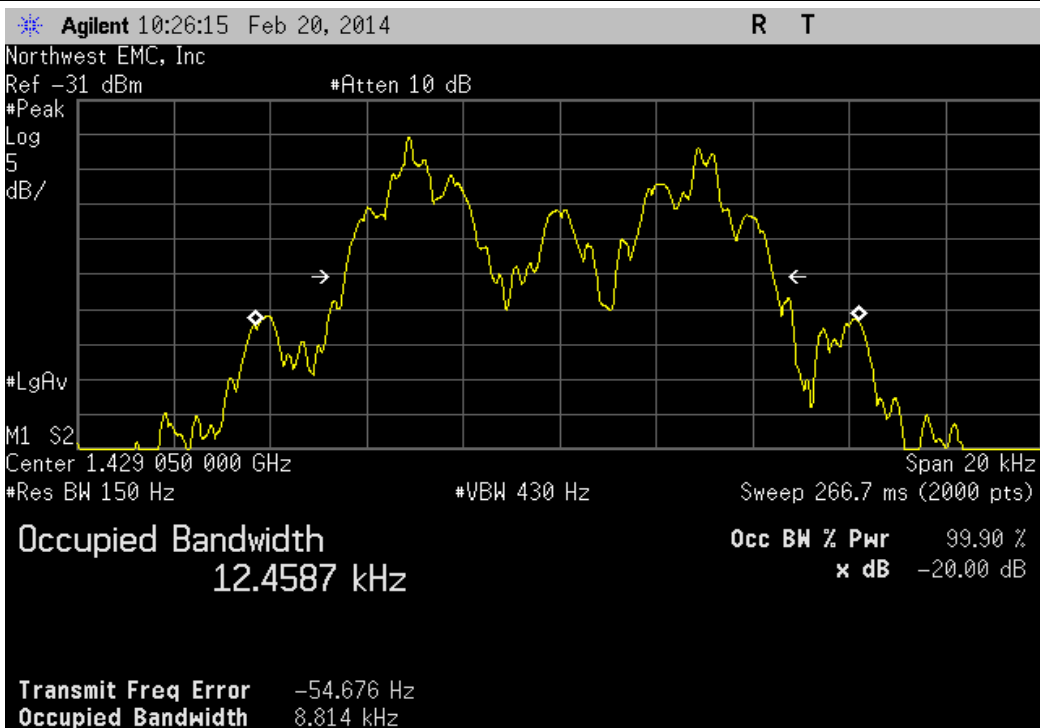
Normal Voltage, Low Channel, 1397.45 WB

|  | Value      | Limit     | Result |
|--|------------|-----------|--------|
|  | 17.569 kHz | ≤ 300 kHz | Pass   |



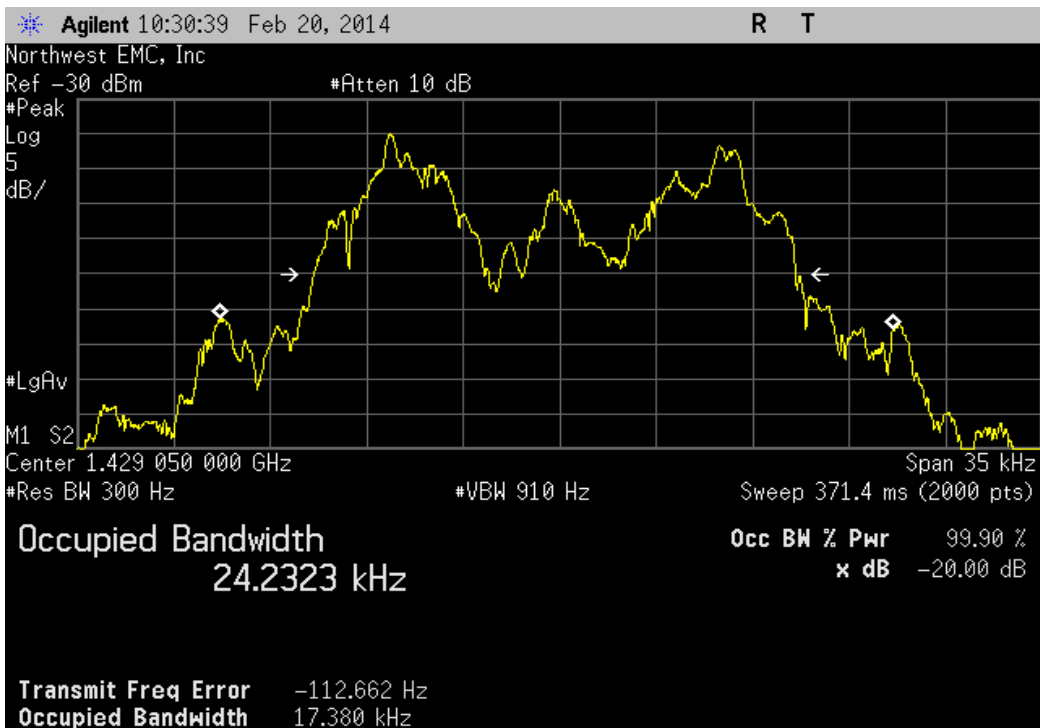
Normal Voltage, High Channel, 1429.05 NB

|  |  |  |  | Value     | Limit     | Result |
|--|--|--|--|-----------|-----------|--------|
|  |  |  |  | 8.814 kHz | ≤ 300 kHz | Pass   |



Normal Voltage, High Channel, 1429.05 WB

|  |  |  |  | Value     | Limit     | Result |
|--|--|--|--|-----------|-----------|--------|
|  |  |  |  | 17.38 kHz | ≤ 300 kHz | Pass   |



## 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 |
|-------------------------|------------------|----------|-----|------------|----------|
| Temp./Humidity Chamber  | Tenney           | T6S      | TBG | 8/23/2013  | 12       |
| Near Field Probe Set    | Com-Power        | PS-400   | IPE | NCR        | 0        |
| Attenuator, 10db, 'SMA' | S.M. Electronics | SA18H-10 | REJ | 12/12/2013 | 12       |
| Spectrum Analyzer       | Agilent          | E4446A   | AAT | 6/28/2012  | 24       |

### TEST DESCRIPTION

#### Variation of Supply Voltage

The primary supply voltage was varied from the manufacturers stated battery end point voltage(1.86V) to +10% (3.30V) maximum of the nominal battery voltage(3V)

#### Variation of Ambient Temperature

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.

The testing was conducted on one of three units that all contain the same radio module, the same data is being used in the other unit reports. The measurement was made with a direct connection between the EUT antenna port and the test equipment. The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT.

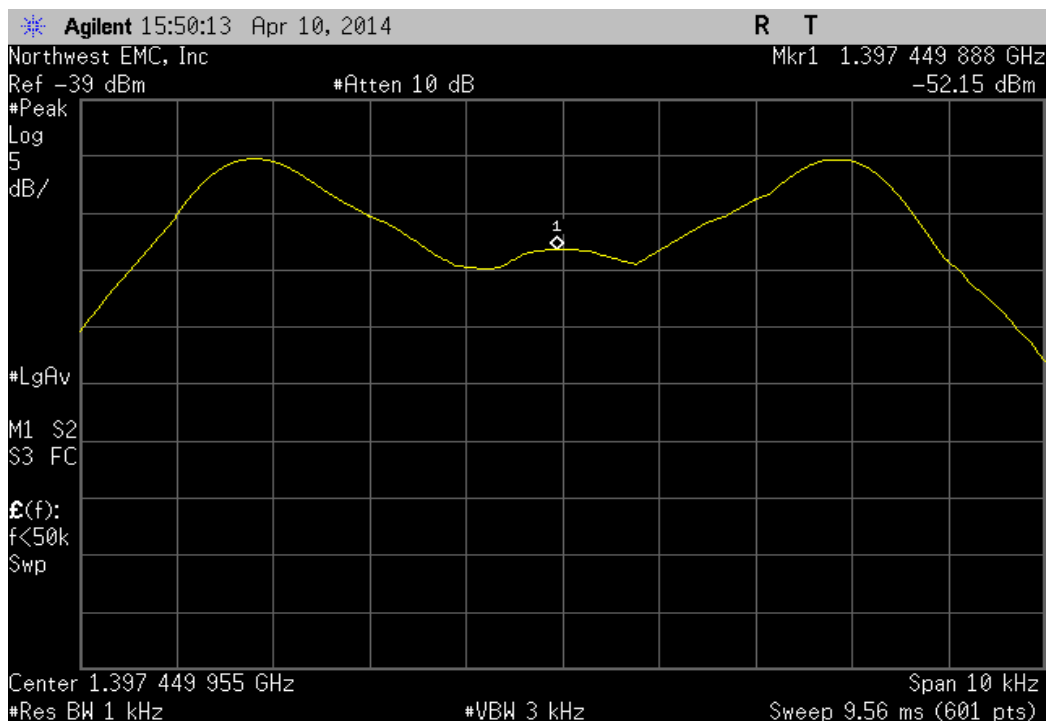


## FREQUENCY STABILITY

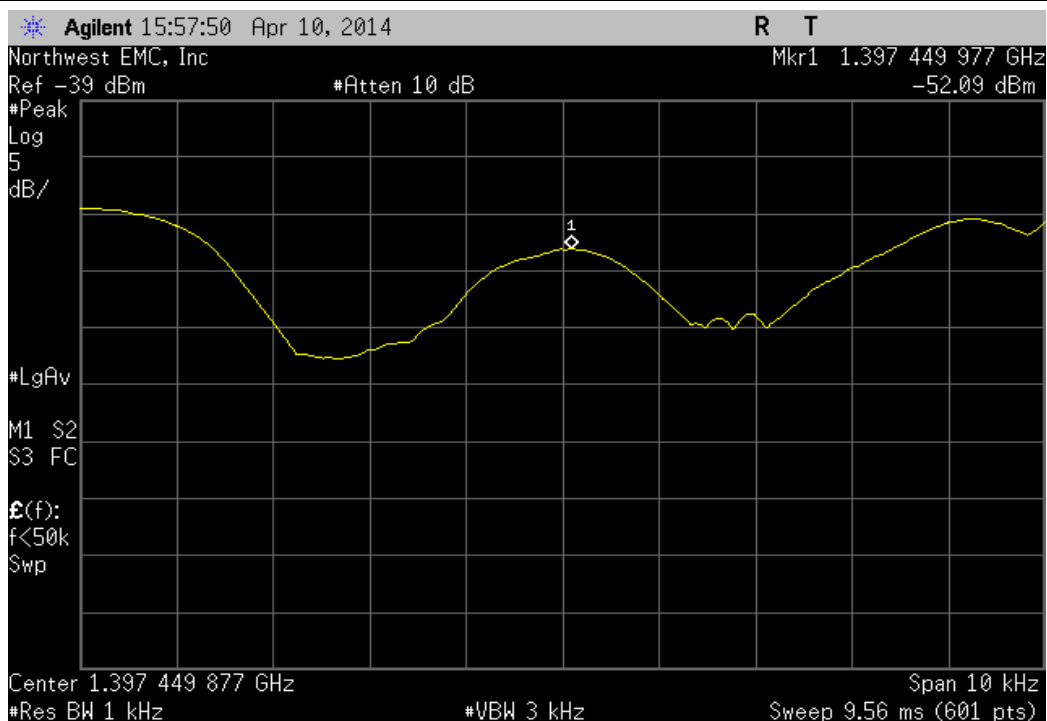
XMit 2013.08.15  
PsaTx 2013.07.11

|                               |                          |                                   |                      |             |             |        |
|-------------------------------|--------------------------|-----------------------------------|----------------------|-------------|-------------|--------|
| EUT: 96281-B09                |                          | Work Order: SPAC0516              |                      |             |             |        |
| Serial Number: B1409B         |                          | Date: 04/10/14                    |                      |             |             |        |
| Customer: Spacelabs, Inc      |                          | Temperature: 24.1°C               |                      |             |             |        |
| Attendees: None               |                          | Humidity: 31%                     |                      |             |             |        |
| Project: None                 |                          | Barometric Pres.: 1008            |                      |             |             |        |
| Tested by: Matthew Barnes     |                          | Power: Battery                    |                      |             |             |        |
|                               |                          | Job Site: NC04                    |                      |             |             |        |
| TEST SPECIFICATIONS           |                          | Test Method                       |                      |             |             |        |
| FCC 95H:2014                  |                          | ANSI/TIA/EIA-603-C-2004           |                      |             |             |        |
| COMMENTS                      |                          |                                   |                      |             |             |        |
| Maximizing fundamental        |                          |                                   |                      |             |             |        |
| DEVIATIONS FROM TEST STANDARD |                          |                                   |                      |             |             |        |
| No deviations.                |                          |                                   |                      |             |             |        |
| Configuration #               | 2                        | Signature <i>Matthew W Barnes</i> |                      |             |             |        |
|                               |                          | Measured Value (MHz)              | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
| Maximum Voltage (3.30V)       |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.449888                       | 1397.45              | 0.1         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.449977                       | 1397.45              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.049905                       | 1429.05              | 0.1         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.04994                        | 1429.05              | 0           | 100         | Pass   |
| End Point Voltage (1.86V)     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.45002                        | 1397.45              | 0           | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.449944                       | 1397.45              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.049921                       | 1429.05              | 0.1         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.049927                       | 1429.05              | 0.1         | 100         | Pass   |
| Extreme Temperature +50°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.449989                       | 1397.45              | 0           | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.449909                       | 1397.45              | 0.1         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050054                       | 1429.05              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.05001                        | 1429.05              | 0           | 100         | Pass   |
| Extreme Temperature +40°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.449987                       | 1397.45              | 0           | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.449977                       | 1397.45              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050075                       | 1429.05              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.049924                       | 1429.05              | 0           | 100         | Pass   |
| Extreme Temperature +30°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450021                       | 1397.45              | 0           | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.450018                       | 1397.45              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.04997                        | 1429.05              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.050026                       | 1429.05              | 0           | 100         | Pass   |
| Extreme Temperature +20°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450139                       | 1397.45              | 0.1         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.450094                       | 1397.45              | 0.1         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050088                       | 1429.05              | 0.1         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.050193                       | 1429.05              | 0.1         | 100         | Pass   |
| Extreme Temperature +10°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450221                       | 1397.45              | 0.2         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.450377                       | 1397.45              | 0.3         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050288                       | 1429.05              | 0.2         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.050294                       | 1429.05              | 0.2         | 100         | Pass   |
| Extreme Temperature 0°C       |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450471                       | 1397.45              | 0.3         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.450493                       | 1397.45              | 0.4         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050589                       | 1429.05              | 0.4         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.050511                       | 1429.05              | 0.4         | 100         | Pass   |
| Extreme Temperature -10°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450672                       | 1397.45              | 0.5         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.45056                        | 1397.45              | 0.4         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050672                       | 1429.05              | 0.5         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.05061                        | 1429.05              | 0.4         | 100         | Pass   |
| Extreme Temperature -20°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.450171                       | 1397.45              | 0.1         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.450059                       | 1397.45              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.050071                       | 1429.05              | 0           | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.05006                        | 1429.05              | 0           | 100         | Pass   |
| Extreme Temperature -30°C     |                          |                                   |                      |             |             |        |
|                               | Low Channel, 1397.45 NB  | 1397.44917                        | 1397.45              | 0.6         | 100         | Pass   |
|                               | Low Channel, 1397.45 WB  | 1397.449009                       | 1397.45              | 0.7         | 100         | Pass   |
|                               | High Channel, 1429.05 NB | 1429.049121                       | 1429.05              | 0.6         | 100         | Pass   |
|                               | High Channel, 1429.05 WB | 1429.049043                       | 1429.05              | 0.7         | 100         | Pass   |

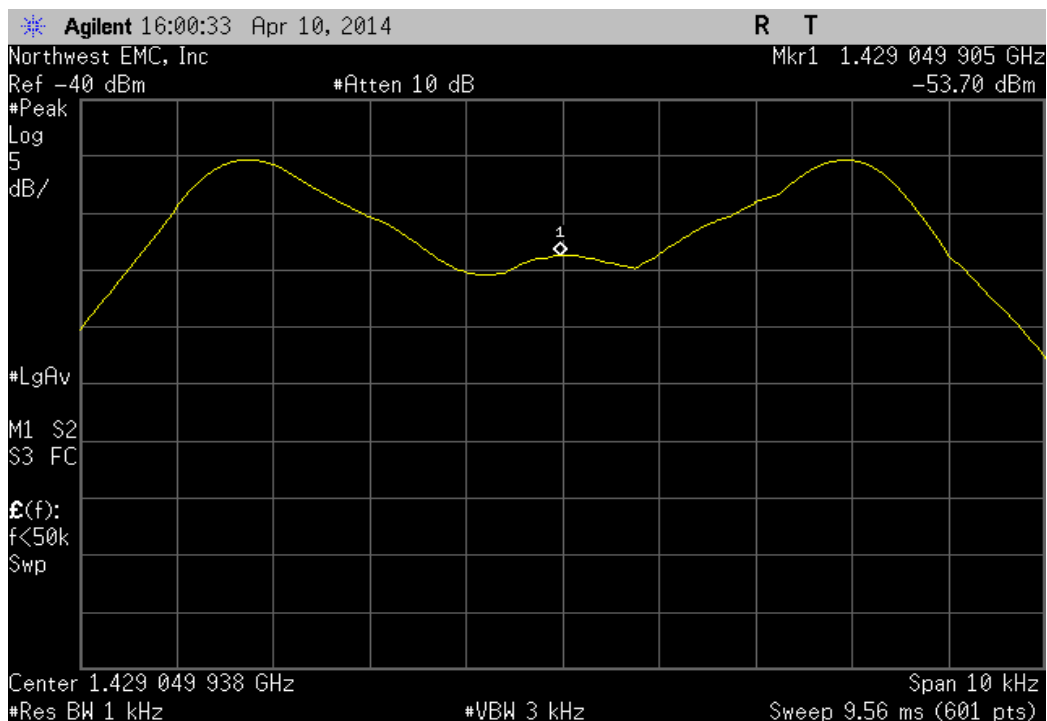
| Maximum Voltage (3.30V), Low Channel, 1397.45 NB |                      |                      |             |             |        |
|--------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                  | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                  | 1397.449888          | 1397.45              | 0.1         | 100         | Pass   |



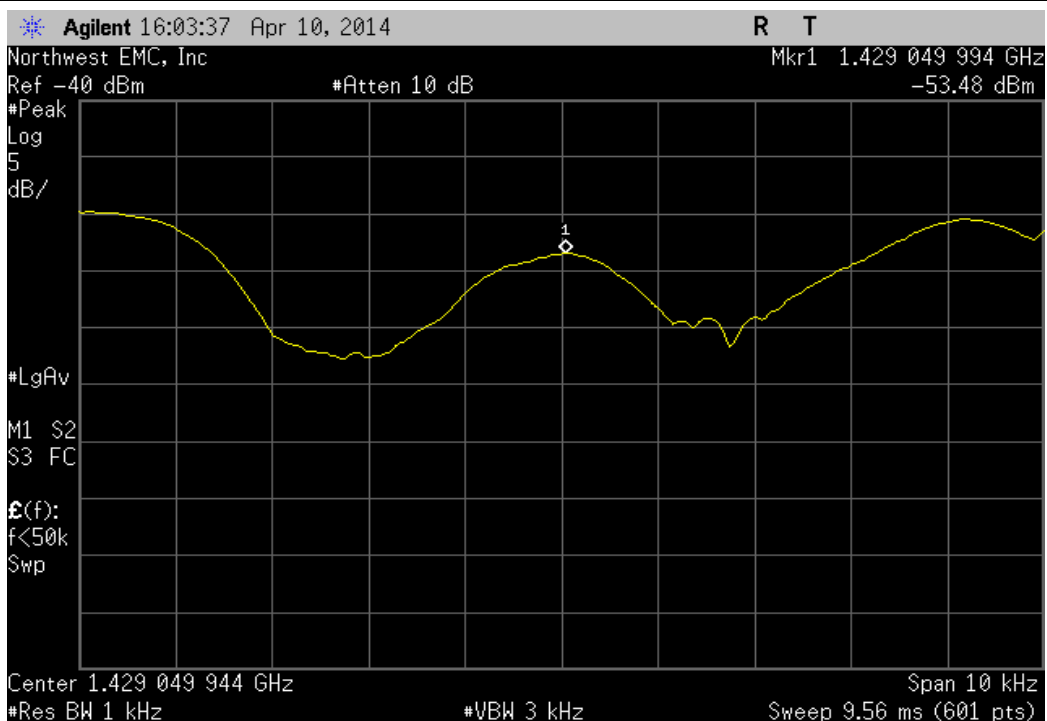
| Maximum Voltage (3.30V), Low Channel, 1397.45 WB |                      |                      |             |             |        |
|--------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                  | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                  | 1397.449977          | 1397.45              | 0           | 100         | Pass   |



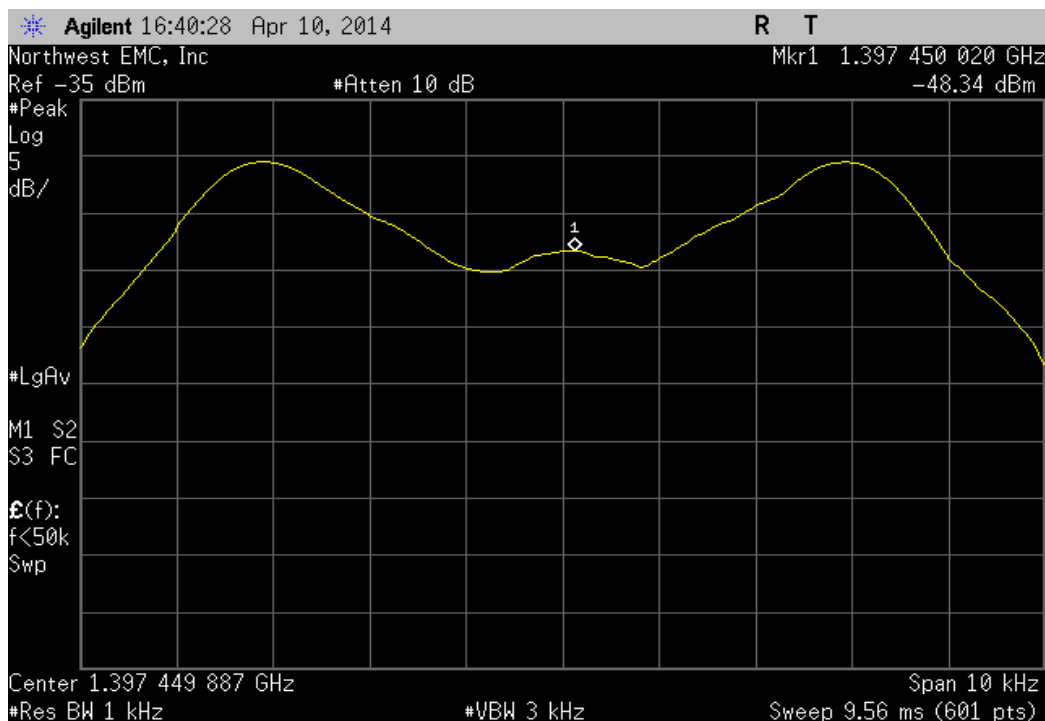
| Maximum Voltage (3.30V), High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|---------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                   | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                   | 1429.049905          | 1429.05              | 0.1         | 100         | Pass   |  |



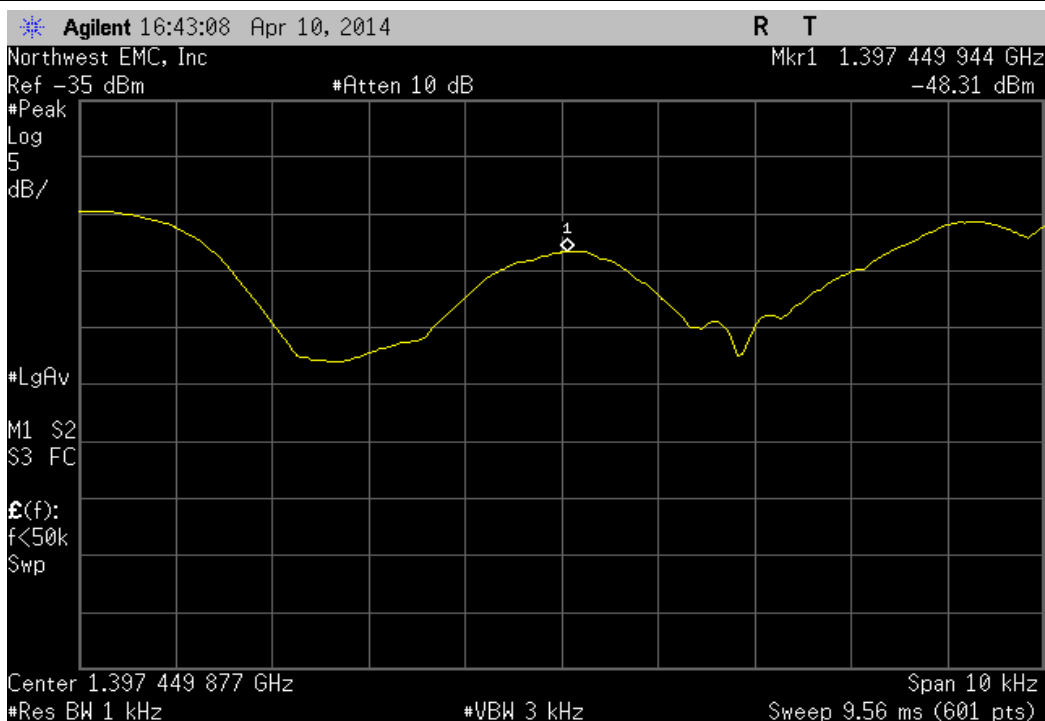
| Maximum Voltage (3.30V), High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|---------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                   | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                   | 1429.04994           | 1429.05              | 0           | 100         | Pass   |  |



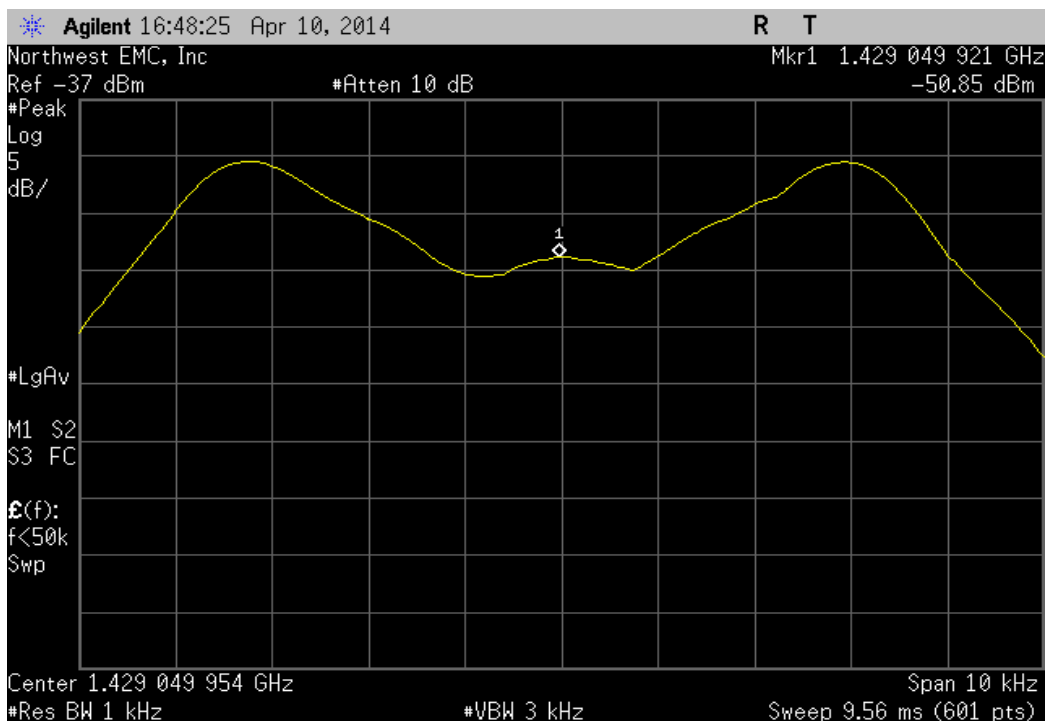
| End Point Voltage (1.86V), Low Channel, 1397.45 NB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.45002           | 1397.45              | 0           | 100         | Pass   |  |



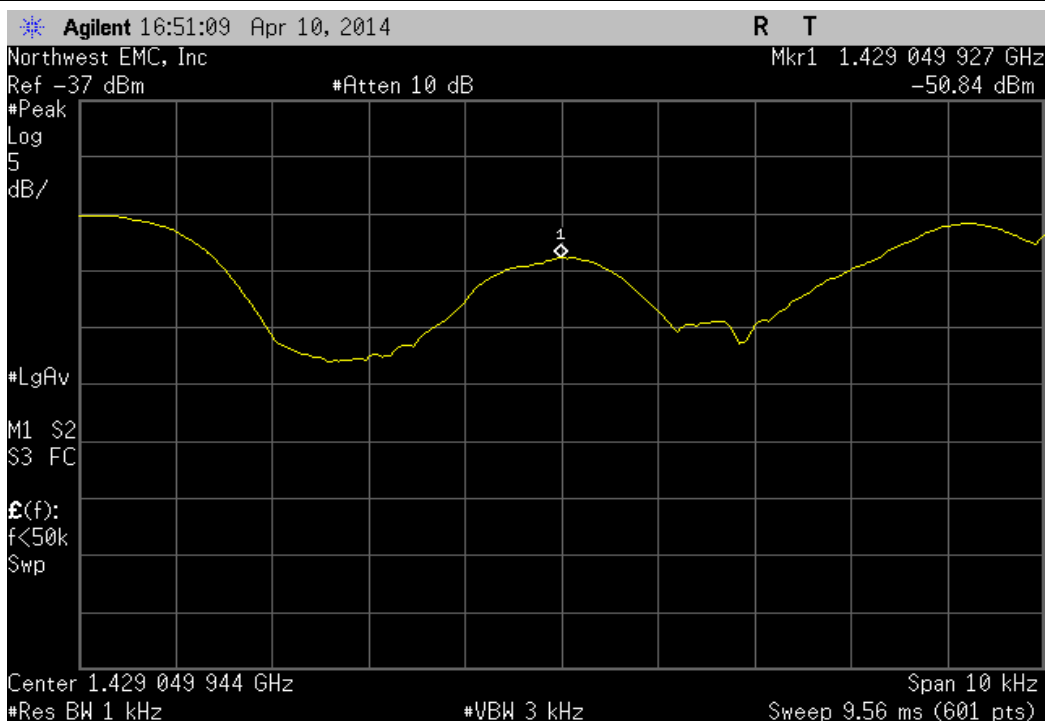
| End Point Voltage (1.86V), Low Channel, 1397.45 WB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.449944          | 1397.45              | 0           | 100         | Pass   |  |



| End Point Voltage (1.86V), High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.049921          | 1429.05              | 0.1         | 100         | Pass   |  |

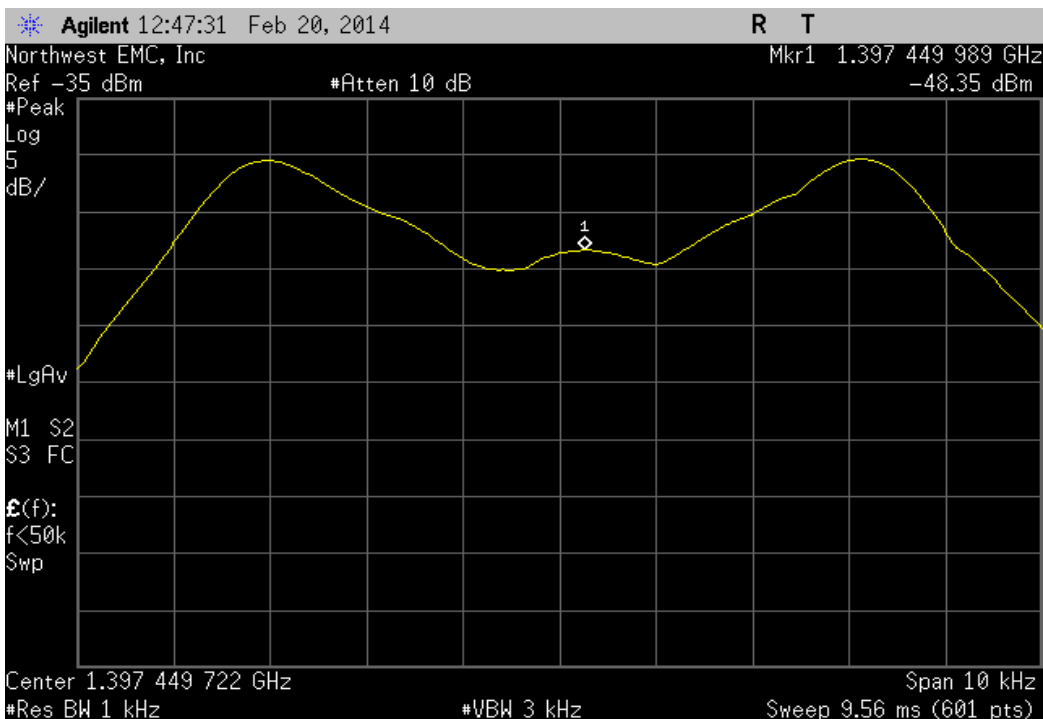


| End Point Voltage (1.86V), High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.049927          | 1429.05              | 0.1         | 100         | Pass   |  |



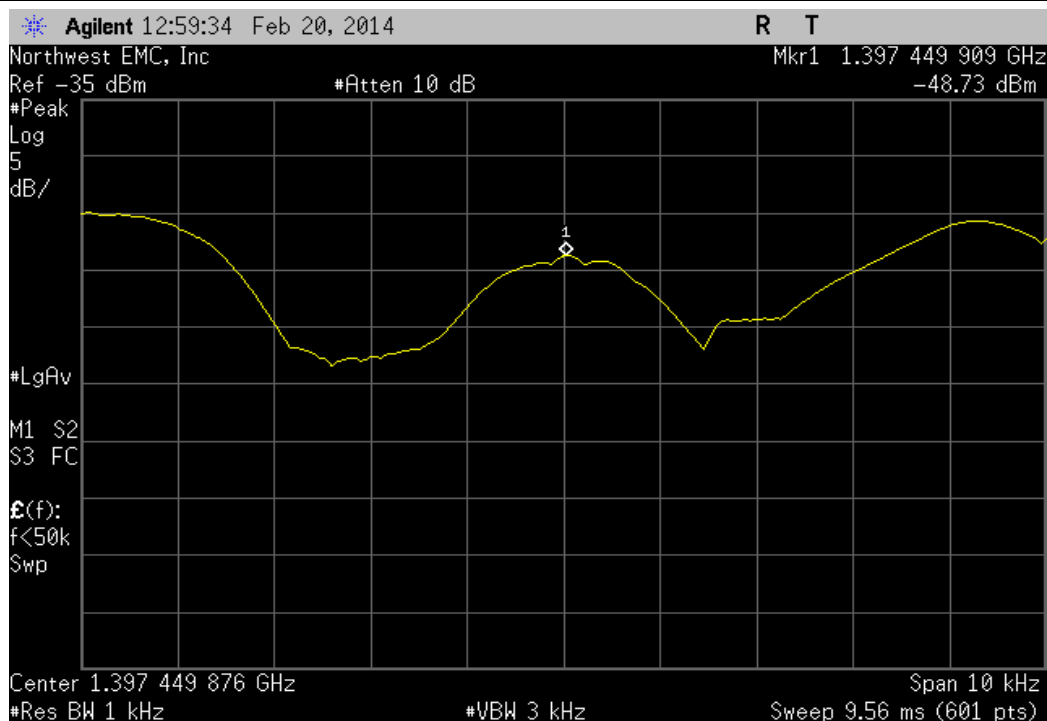
Extreme Temperature +50°C, Low Channel, 1397.45 NB

| Measured<br>Value (MHz) | Assigned<br>Value (MHz) | Error<br>(ppm) | Limit<br>(ppm) | Result |
|-------------------------|-------------------------|----------------|----------------|--------|
| 1397.449989             | 1397.45                 | 0              | 100            | Pass   |

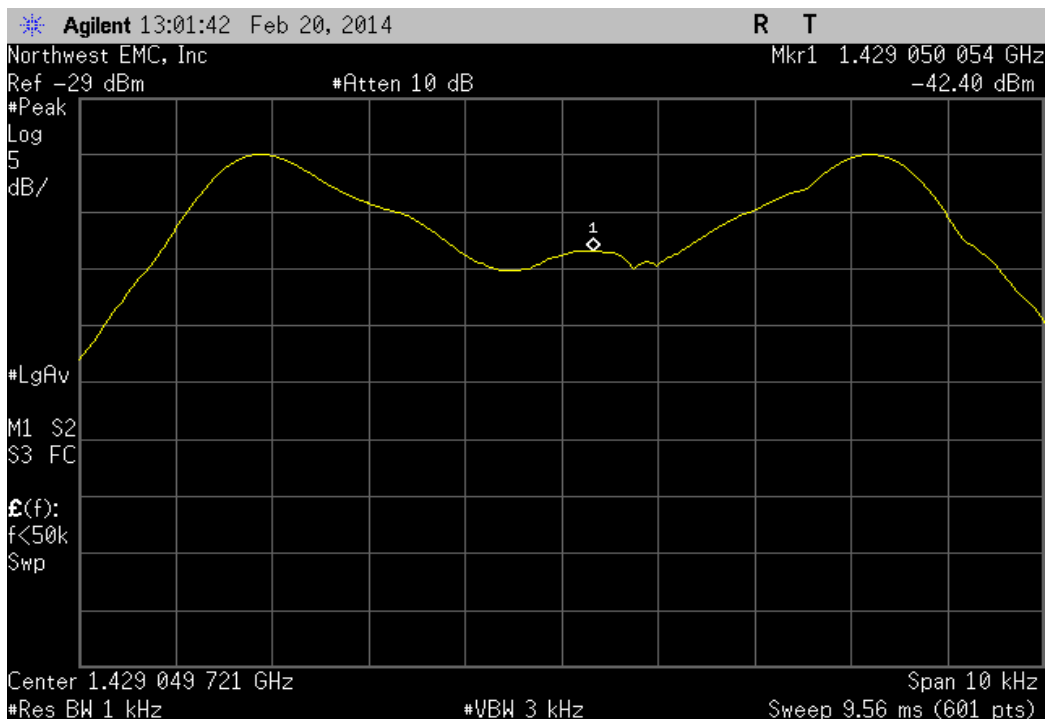


Extreme Temperature +50°C, Low Channel, 1397.45 WB

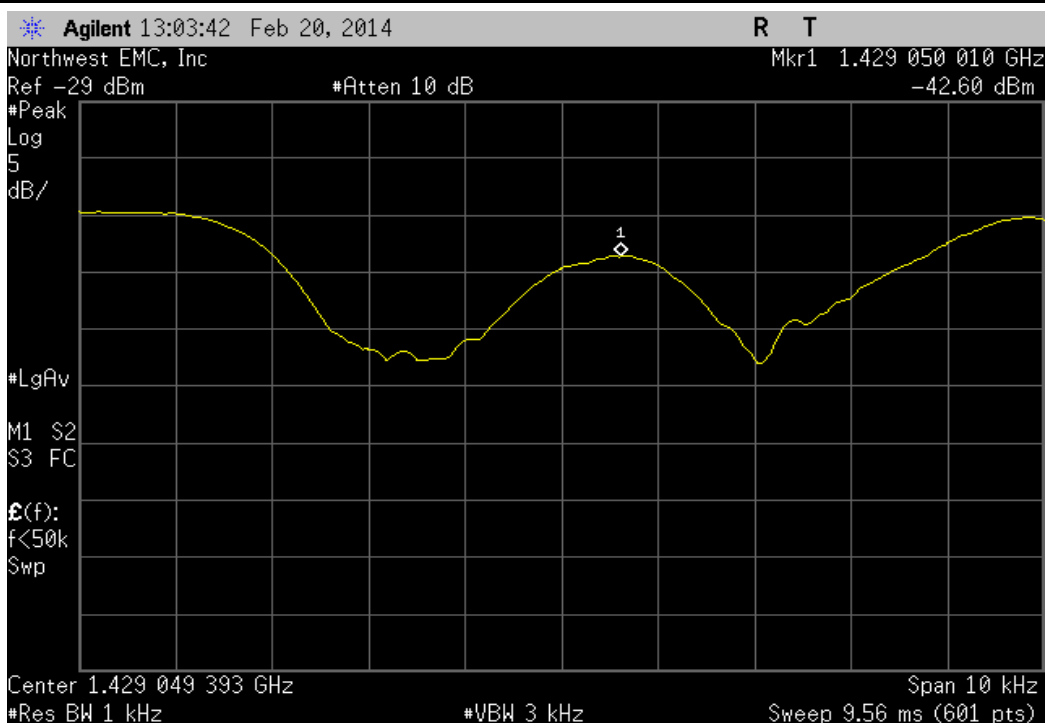
| Measured<br>Value (MHz) | Assigned<br>Value (MHz) | Error<br>(ppm) | Limit<br>(ppm) | Result |
|-------------------------|-------------------------|----------------|----------------|--------|
| 1397.449909             | 1397.45                 | 0.1            | 100            | Pass   |



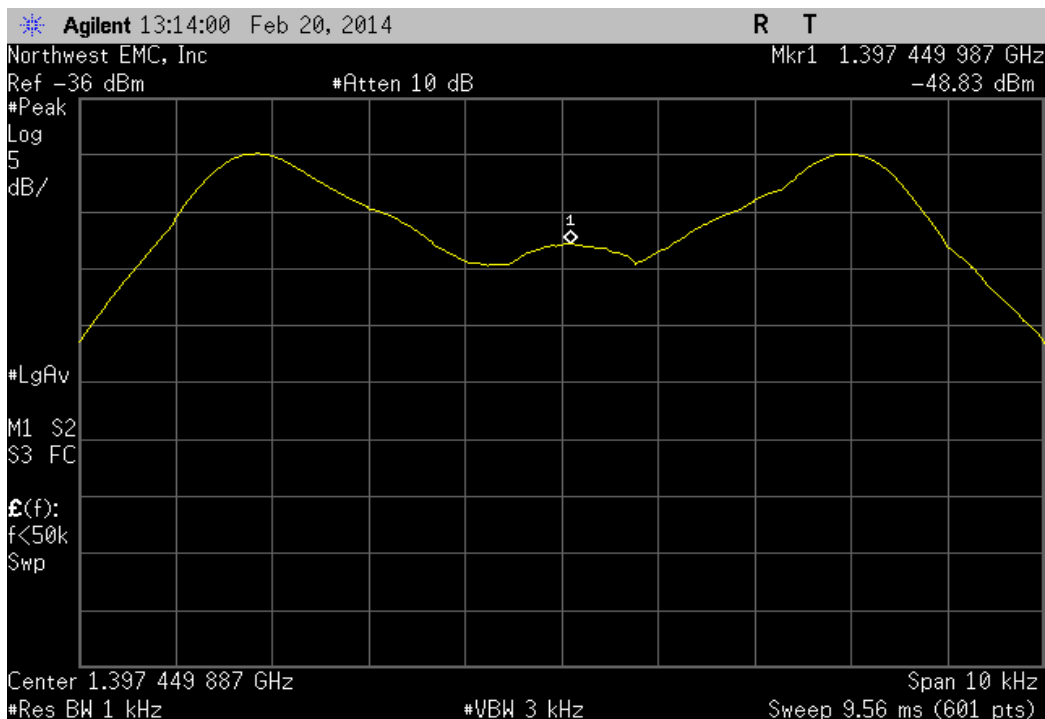
| Extreme Temperature +50°C, High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.050054          | 1429.05              | 0           | 100         | Pass   |  |



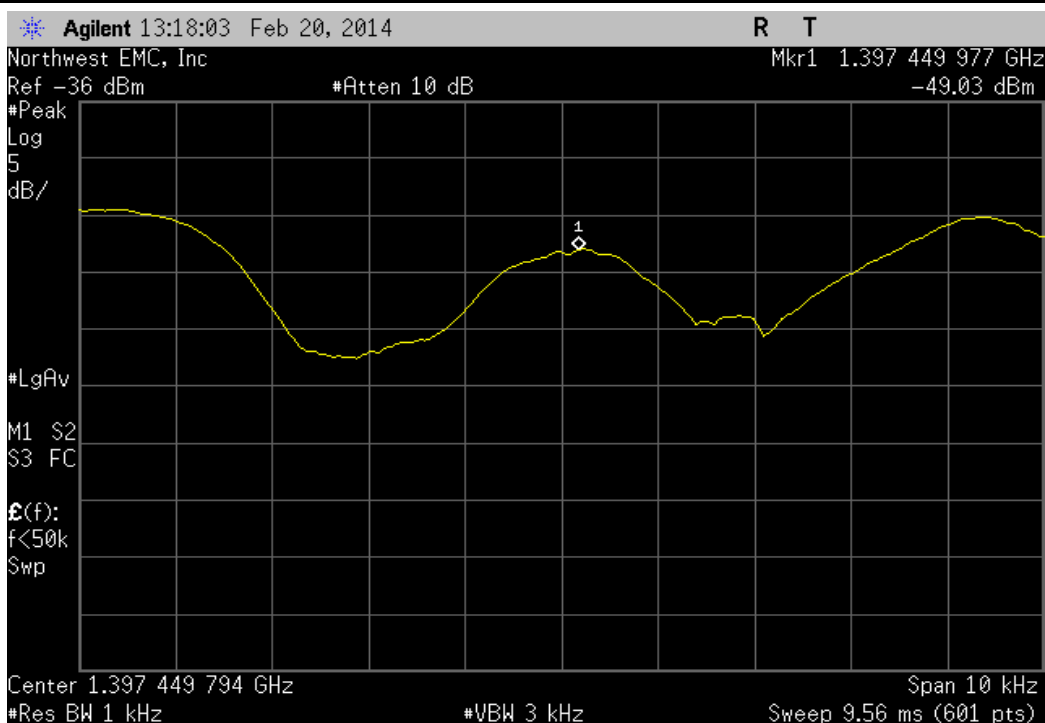
| Extreme Temperature +50°C, High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.05001           | 1429.05              | 0           | 100         | Pass   |  |



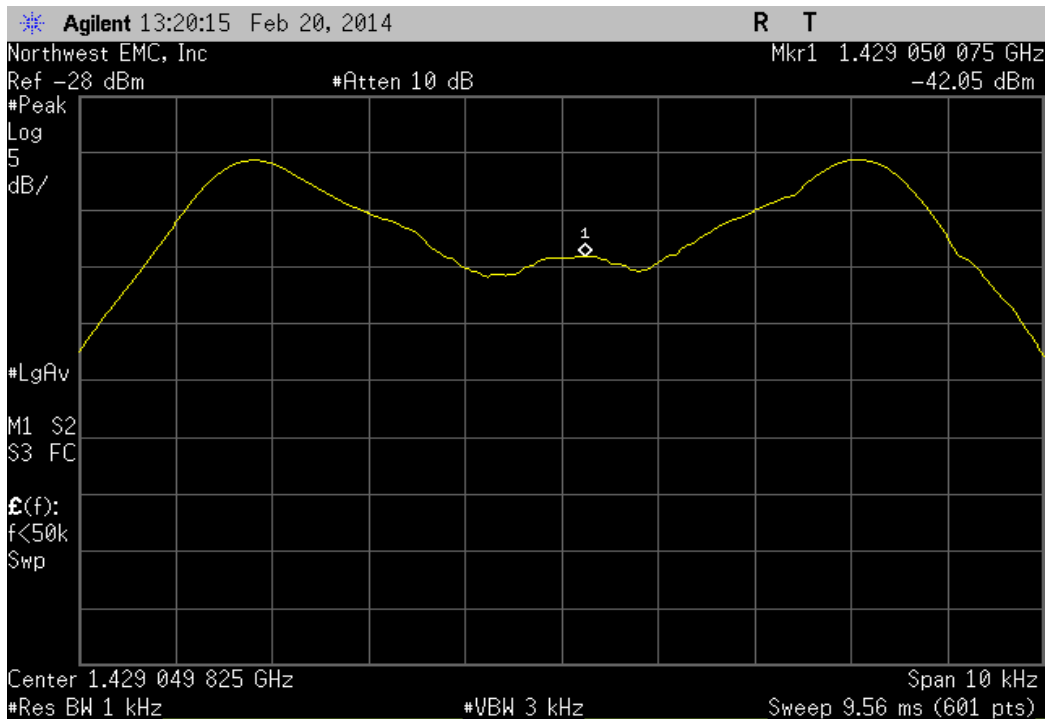
| Extreme Temperature +40°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.449987          | 1397.45              | 0           | 100         | Pass   |  |



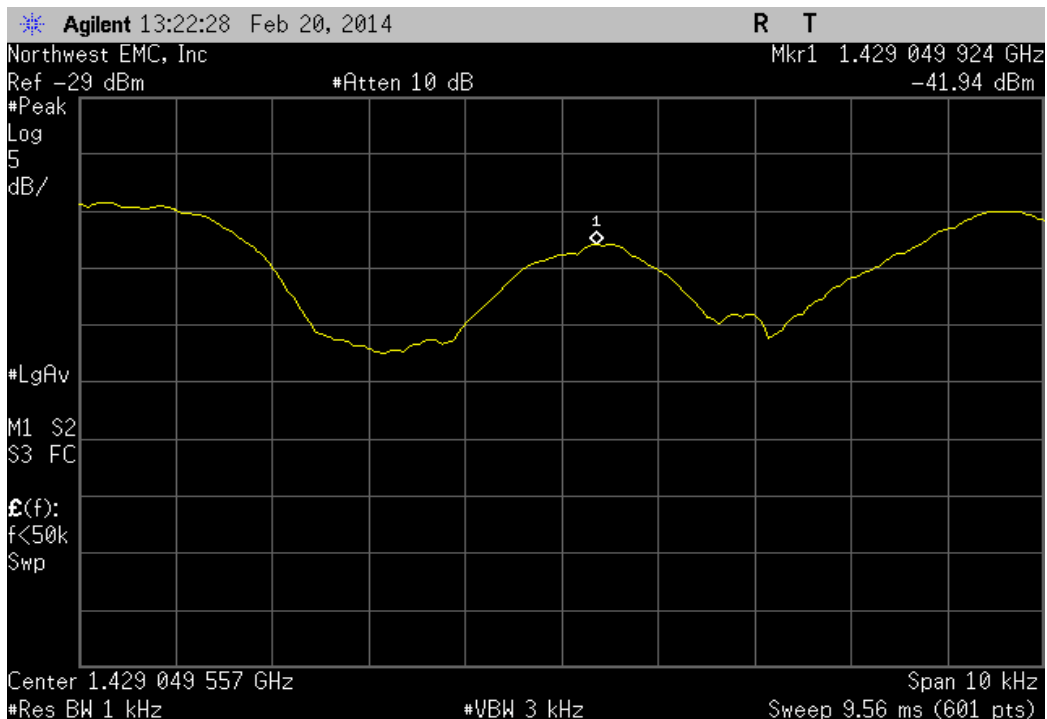
| Extreme Temperature +40°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.449977          | 1397.45              | 0           | 100         | Pass   |  |



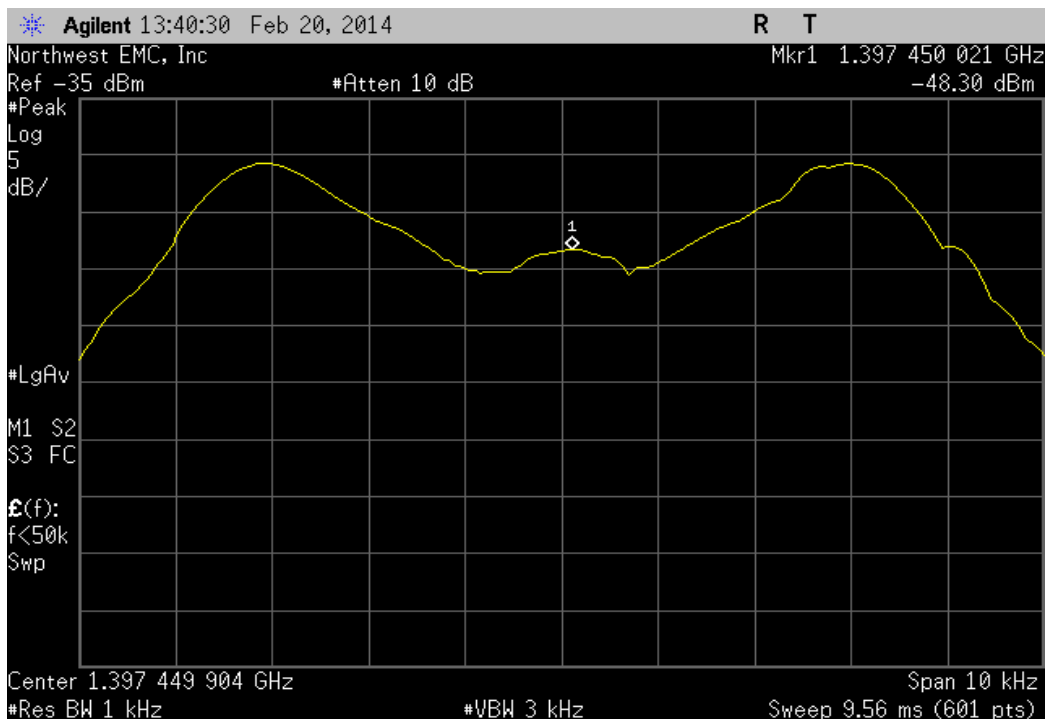
| Extreme Temperature +40°C, High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.050075          | 1429.05              | 0           | 100         | Pass   |  |



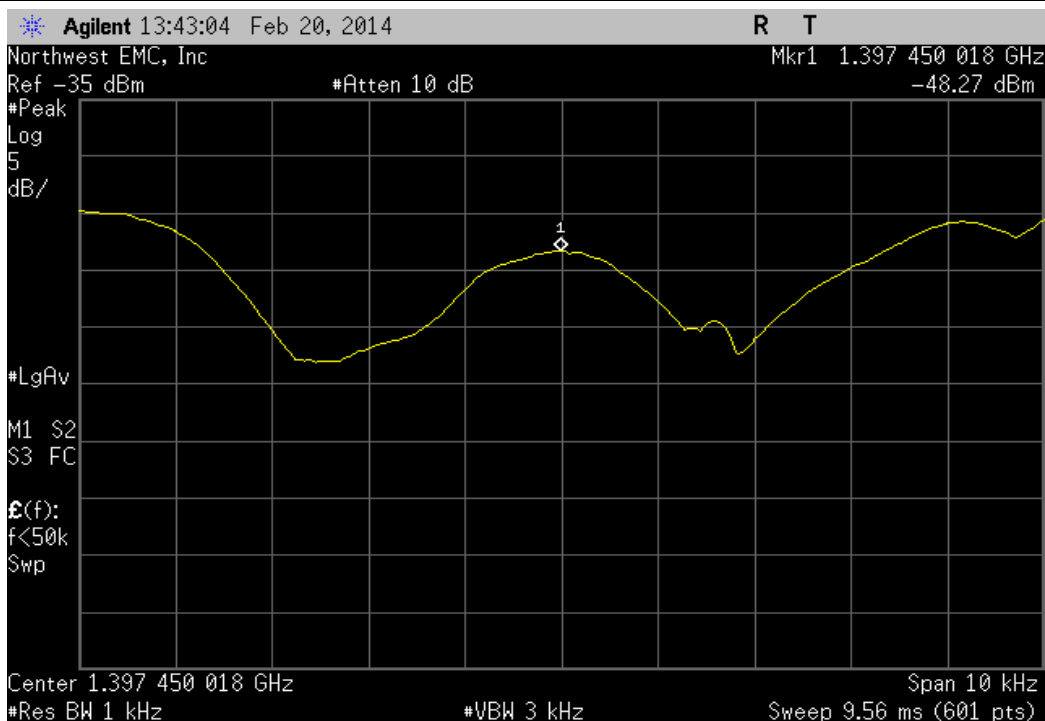
| Extreme Temperature +40°C, High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.049924          | 1429.05              | 0           | 100         | Pass   |  |



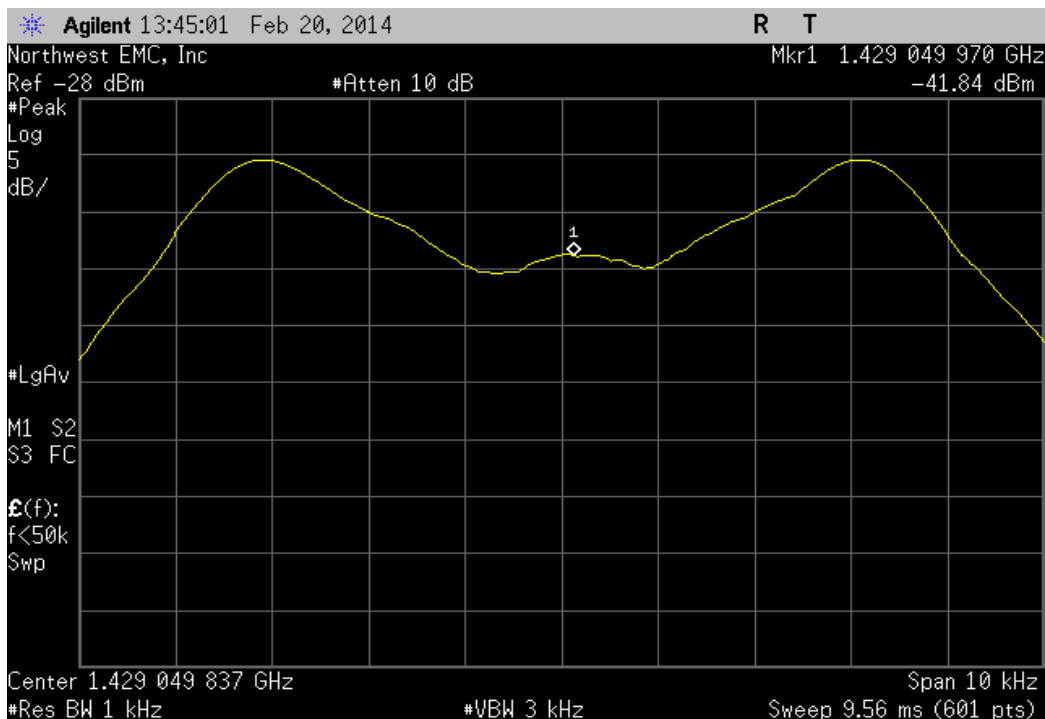
| Extreme Temperature +30°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.450021          | 1397.45              | 0           | 100         | Pass   |  |



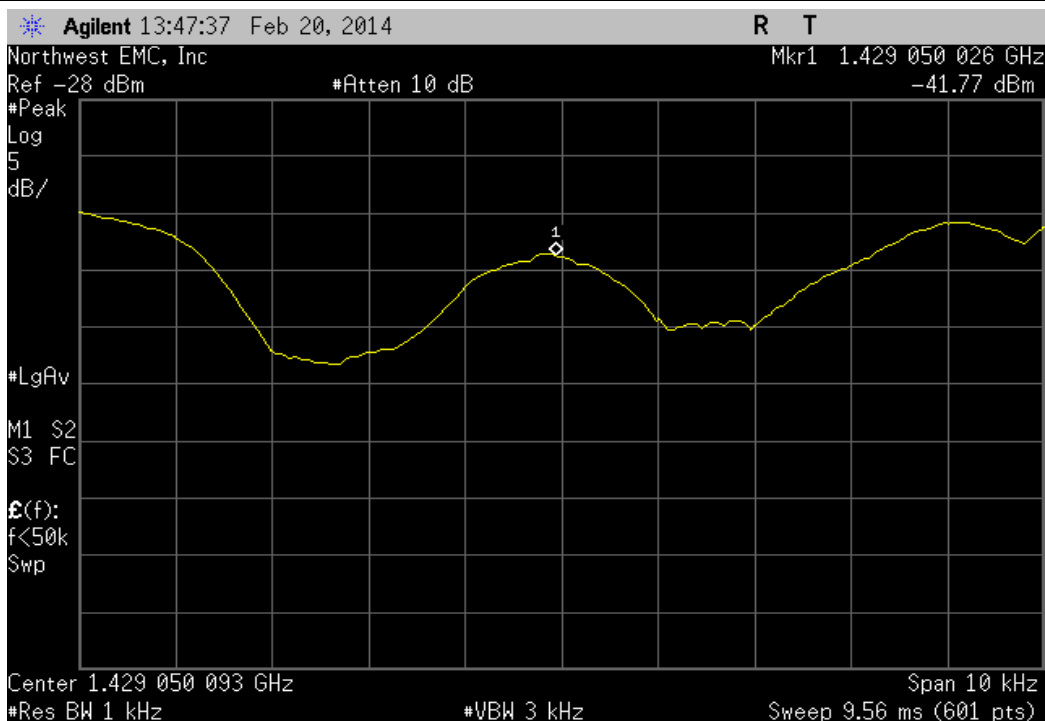
| Extreme Temperature +30°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.450018          | 1397.45              | 0           | 100         | Pass   |  |



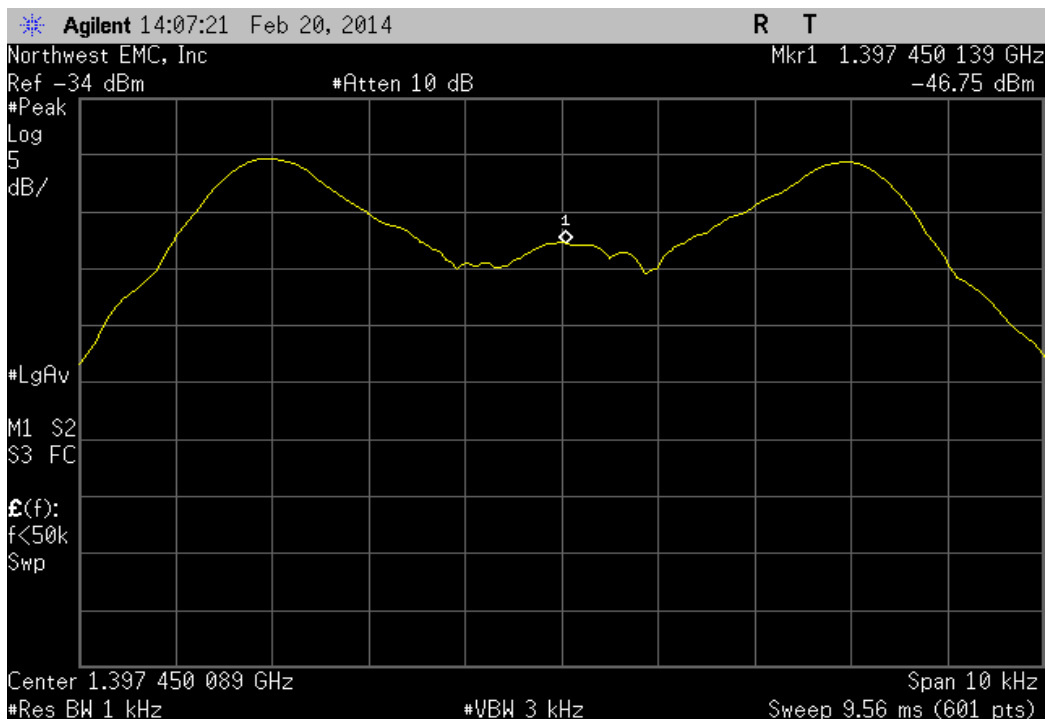
| Extreme Temperature +30°C, High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.04997           | 1429.05              | 0           | 100         | Pass   |  |



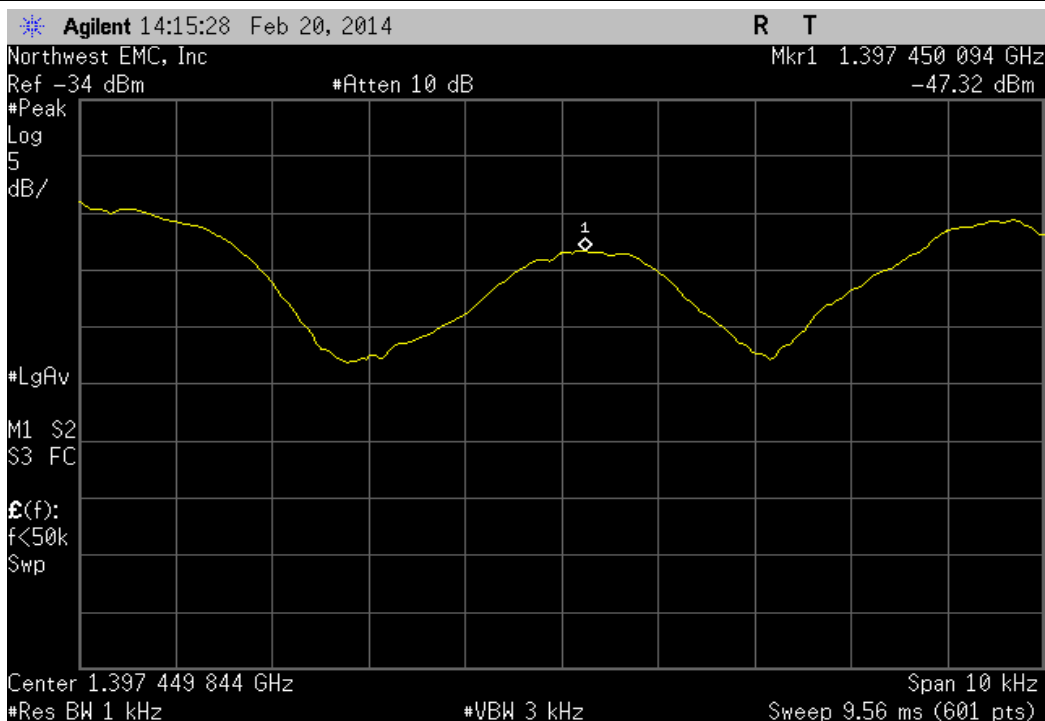
| Extreme Temperature +30°C, High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.050026          | 1429.05              | 0           | 100         | Pass   |  |



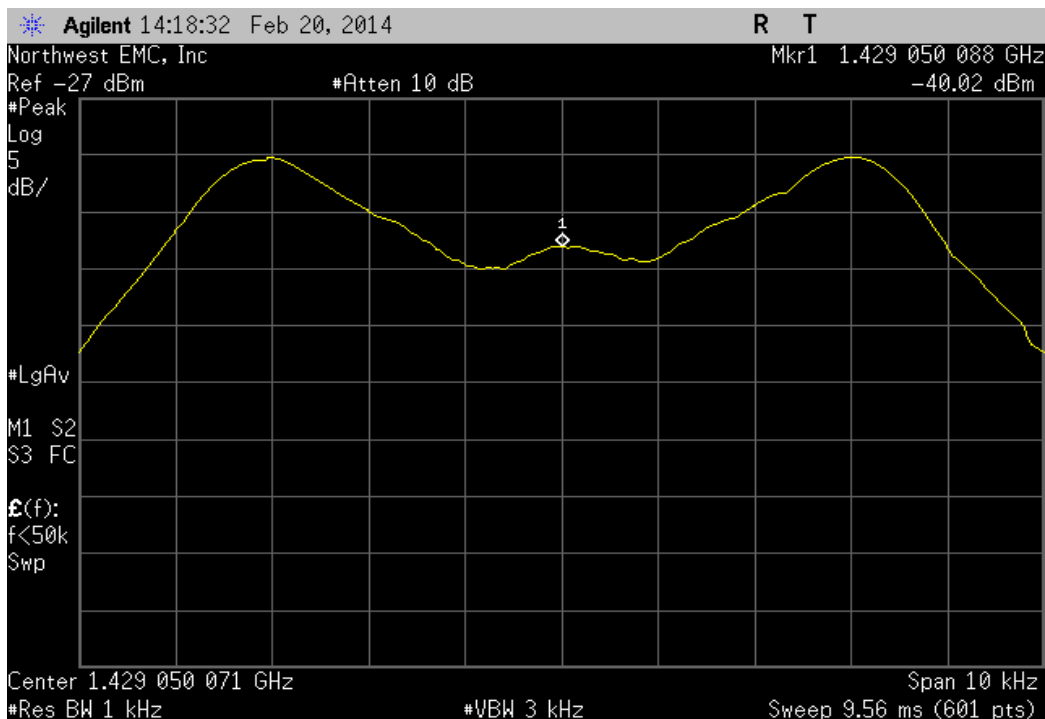
| Extreme Temperature +20°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.450139          | 1397.45              | 0.1         | 100         | Pass   |



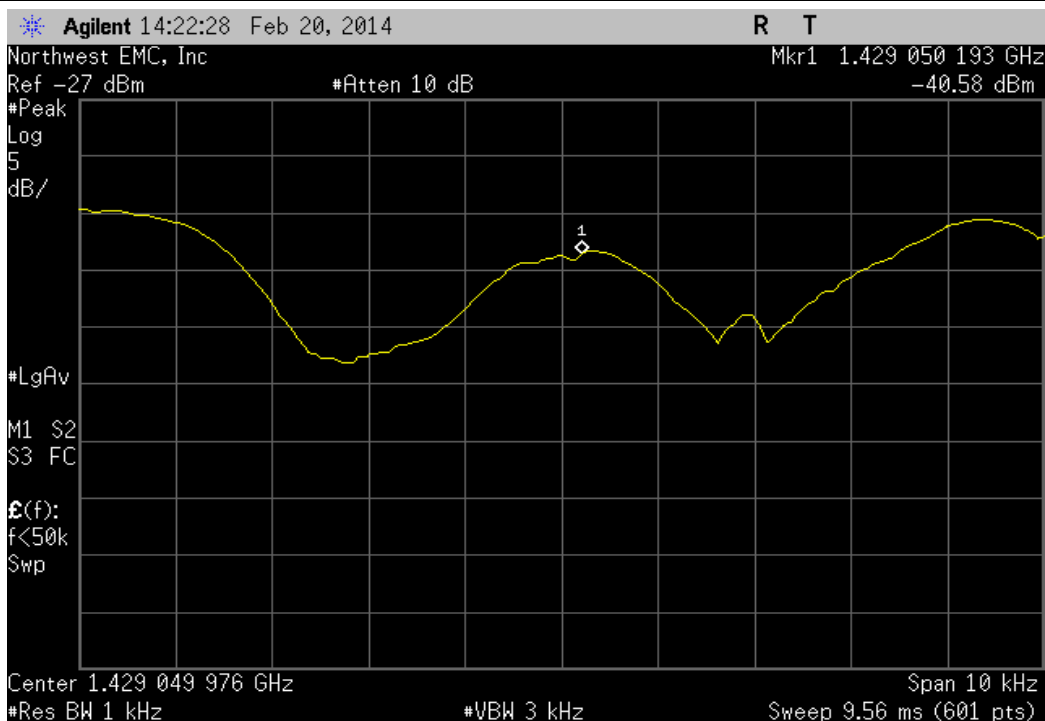
| Extreme Temperature +20°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.450094          | 1397.45              | 0.1         | 100         | Pass   |



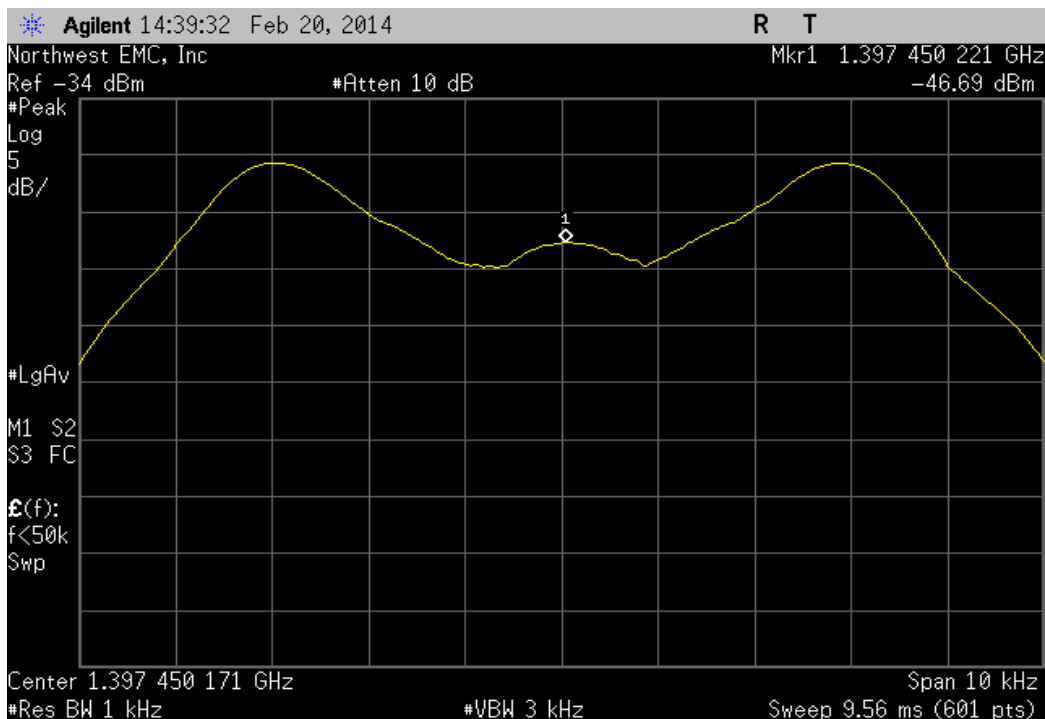
| Extreme Temperature +20°C, High Channel, 1429.05 NB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.050088          | 1429.05              | 0.1         | 100         | Pass   |



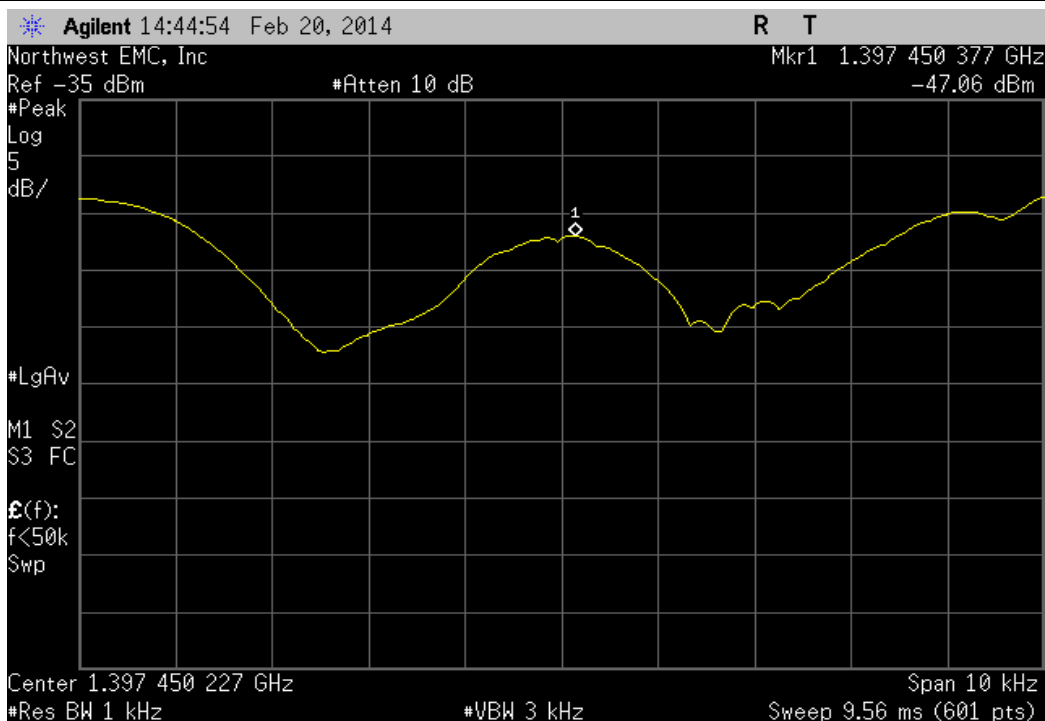
| Extreme Temperature +20°C, High Channel, 1429.05 WB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.050193          | 1429.05              | 0.1         | 100         | Pass   |



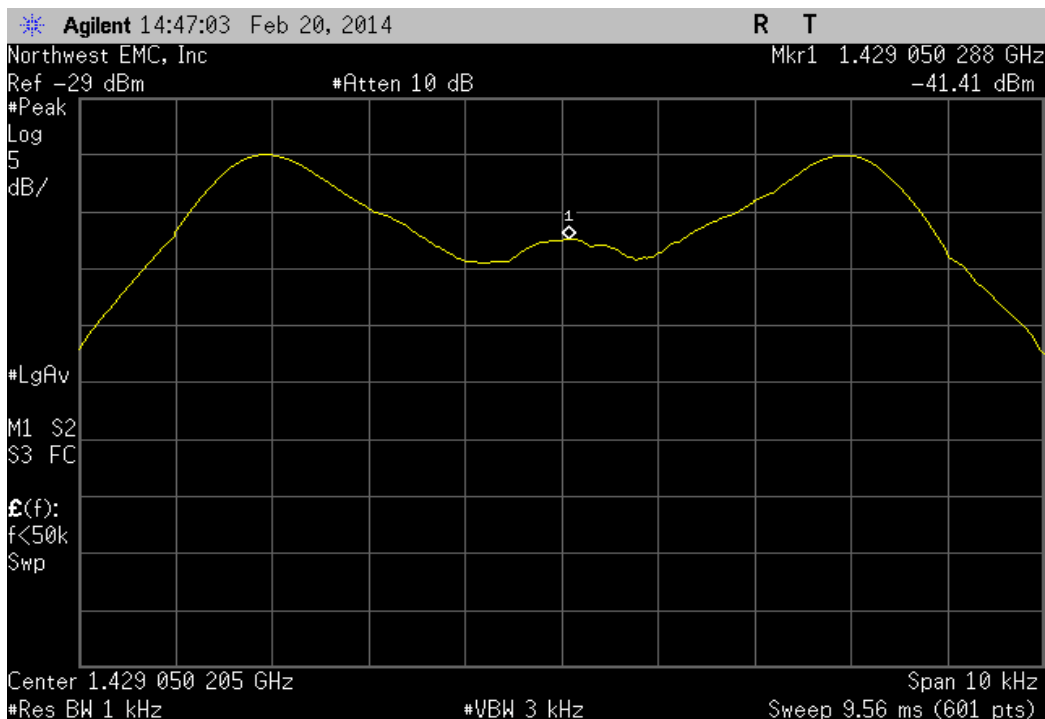
| Extreme Temperature +10°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.450221          | 1397.45              | 0.2         | 100         | Pass   |



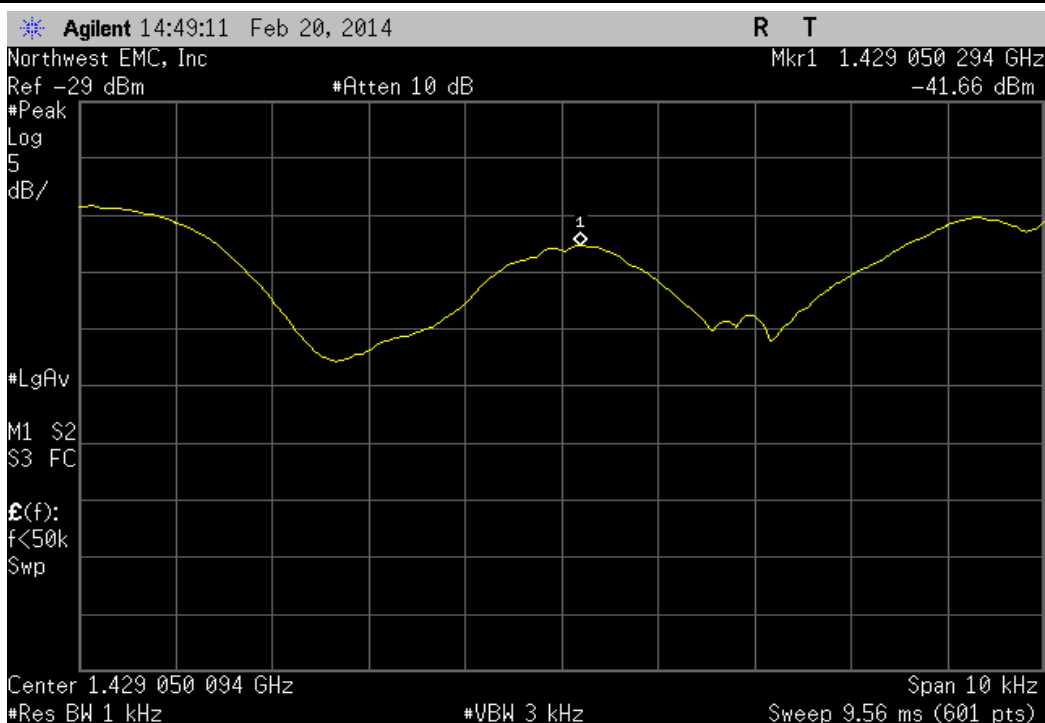
| Extreme Temperature +10°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.450377          | 1397.45              | 0.3         | 100         | Pass   |



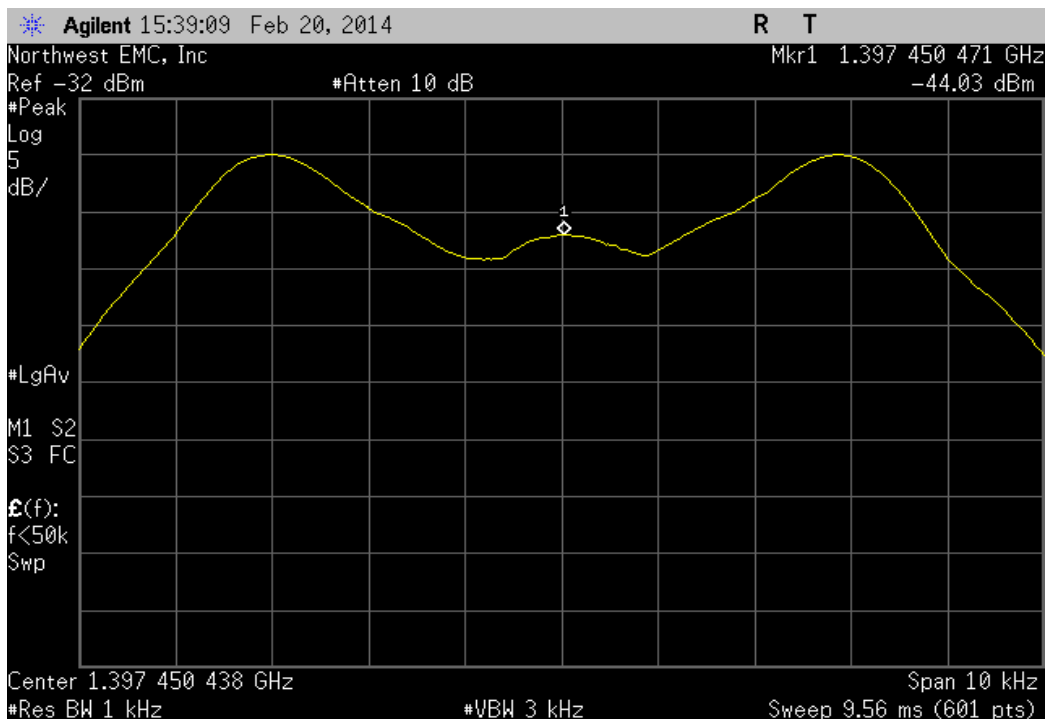
| Extreme Temperature +10°C, High Channel, 1429.05 NB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.050288          | 1429.05              | 0.2         | 100         | Pass   |



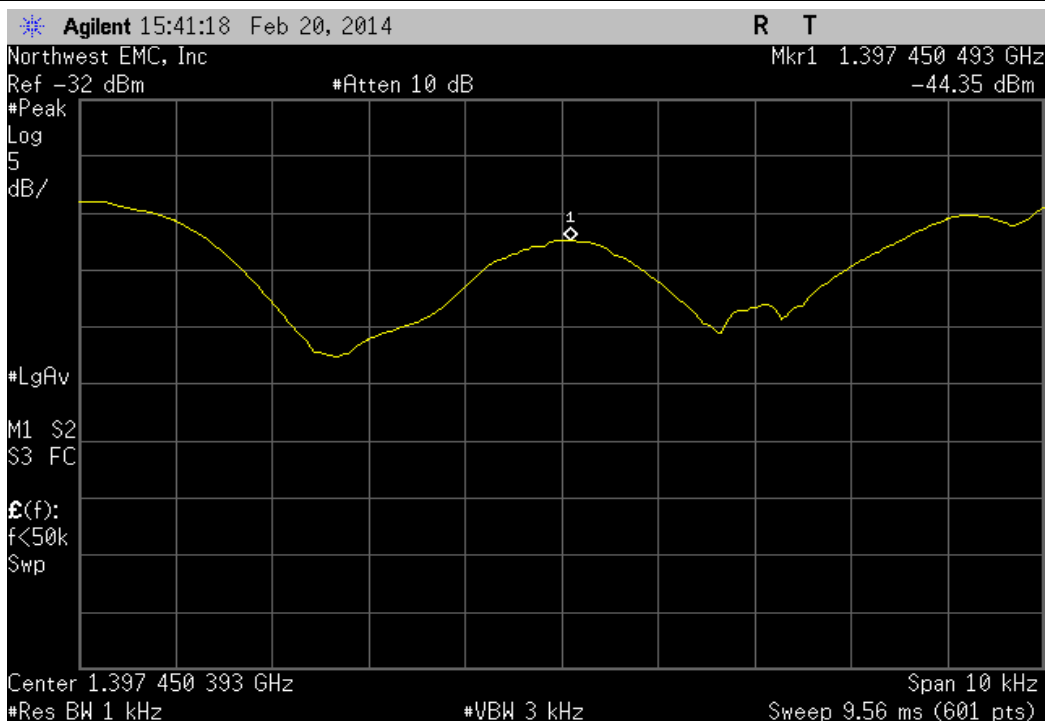
| Extreme Temperature +10°C, High Channel, 1429.05 WB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.050294          | 1429.05              | 0.2         | 100         | Pass   |



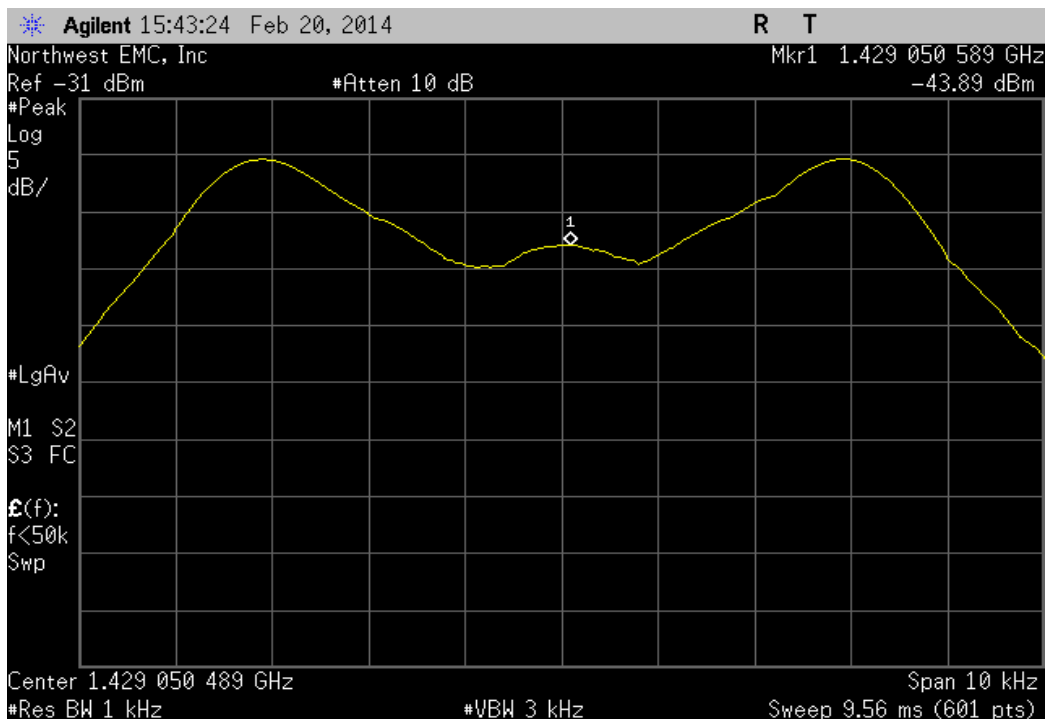
| Extreme Temperature 0°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |
|--------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                  | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                  | 1397.450471          | 1397.45              | 0.3         | 100         | Pass   |



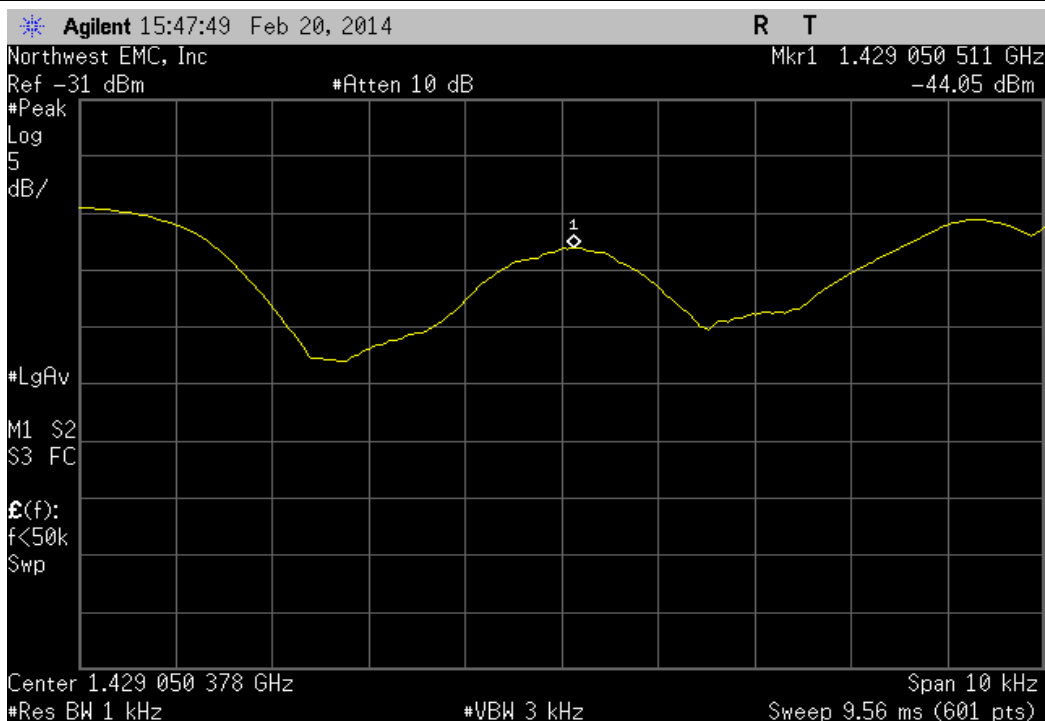
| Extreme Temperature 0°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |
|--------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                  | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                  | 1397.450493          | 1397.45              | 0.4         | 100         | Pass   |



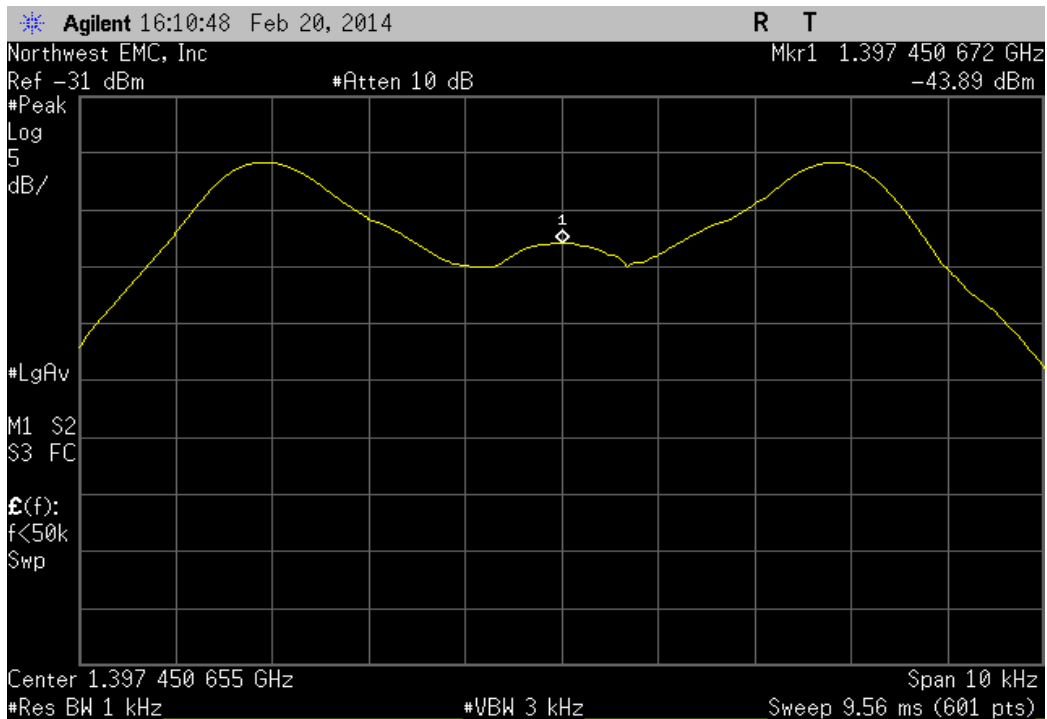
| Extreme Temperature 0°C, High Channel, 1429.05 NB |                      |                      |             |             |        |
|---------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                   | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                   | 1429.050589          | 1429.05              | 0.4         | 100         | Pass   |



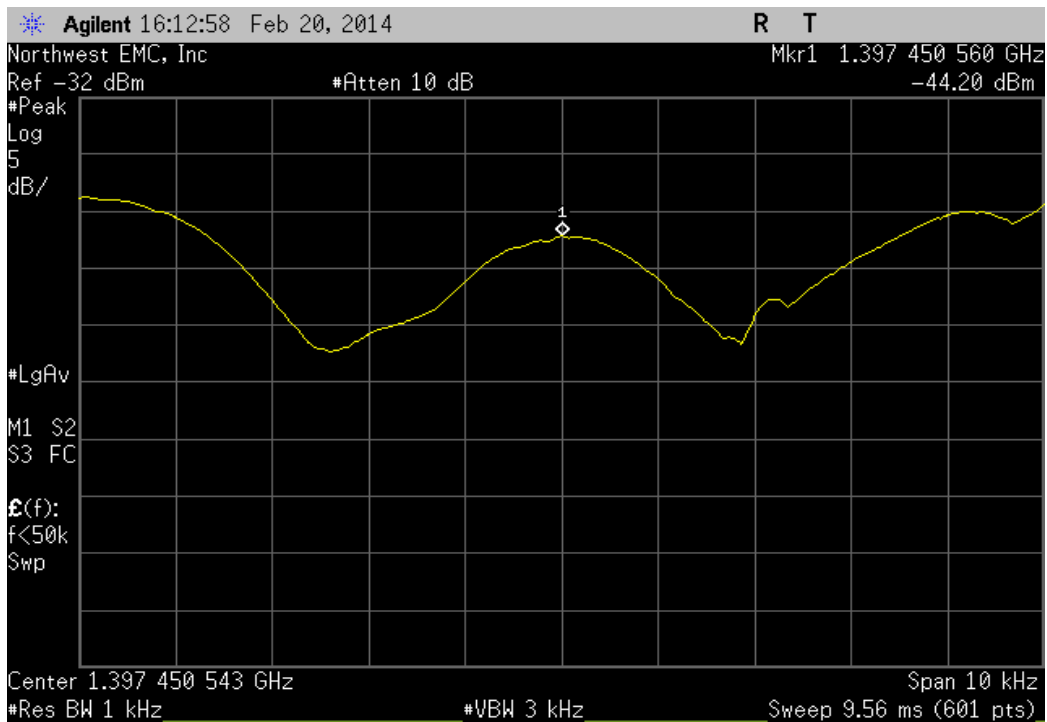
| Extreme Temperature 0°C, High Channel, 1429.05 WB |                      |                      |             |             |        |
|---------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                   | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                   | 1429.050511          | 1429.05              | 0.4         | 100         | Pass   |



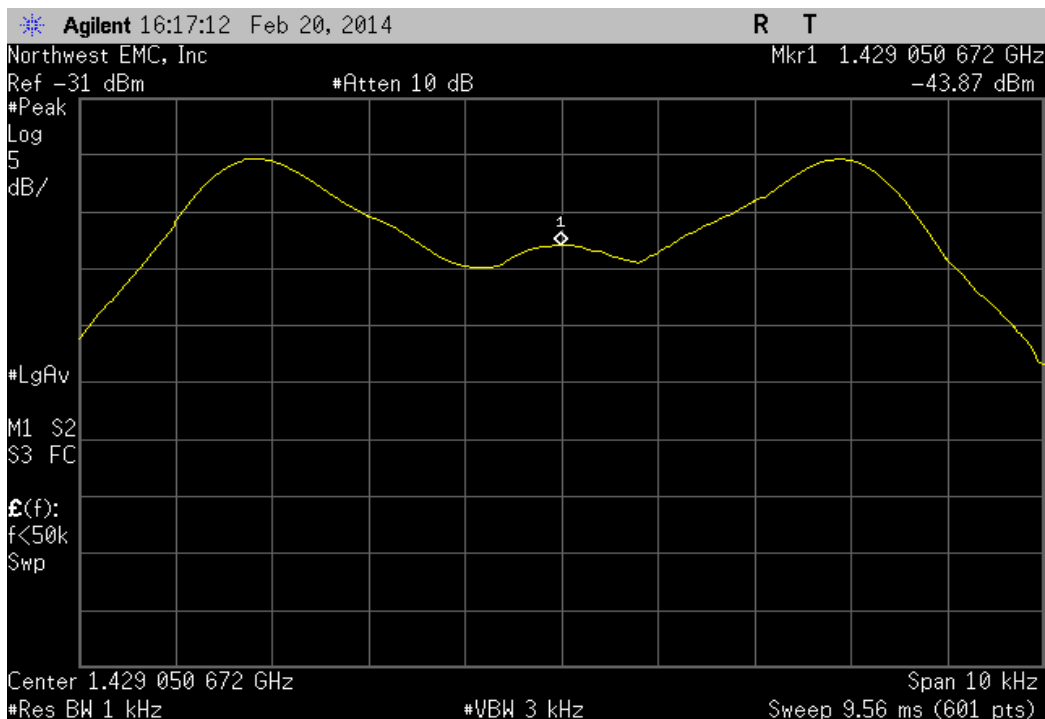
| Extreme Temperature -10°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.450672          | 1397.45              | 0.5         | 100         | Pass   |



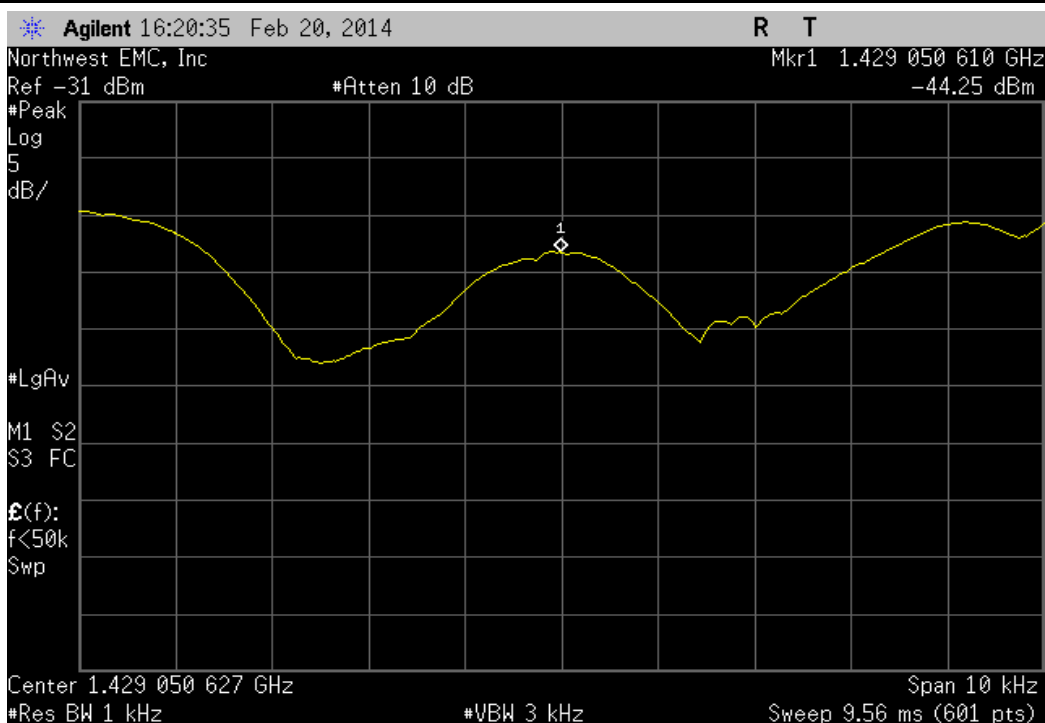
| Extreme Temperature -10°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.45056           | 1397.45              | 0.4         | 100         | Pass   |



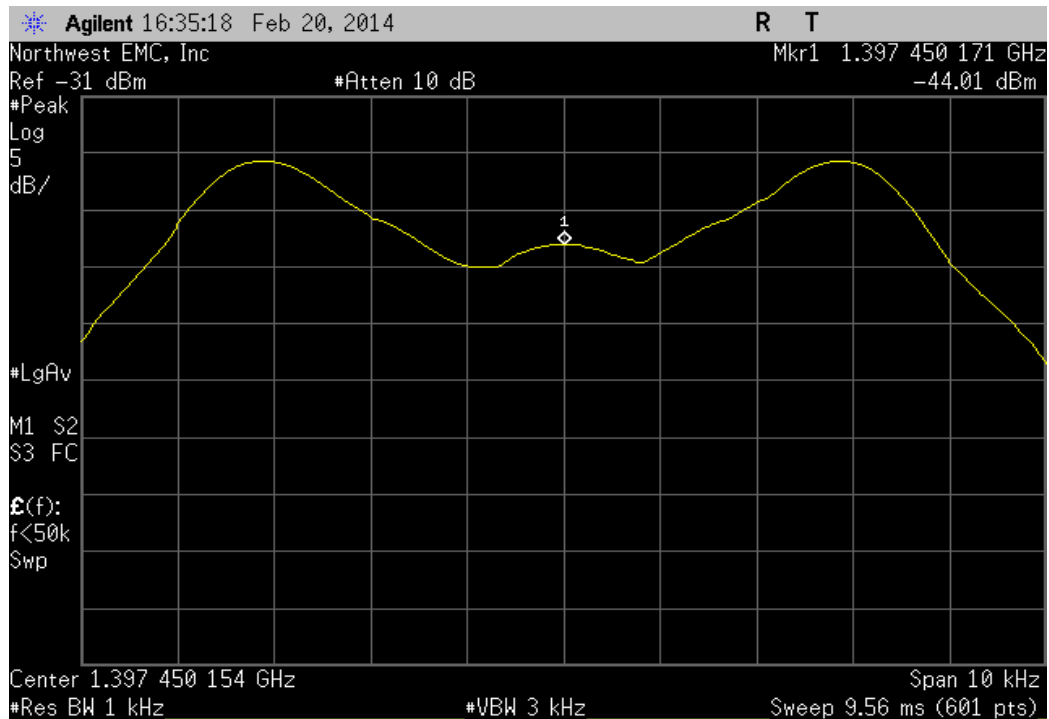
| Extreme Temperature -10°C, High Channel, 1429.05 NB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.050672          | 1429.05              | 0.5         | 100         | Pass   |



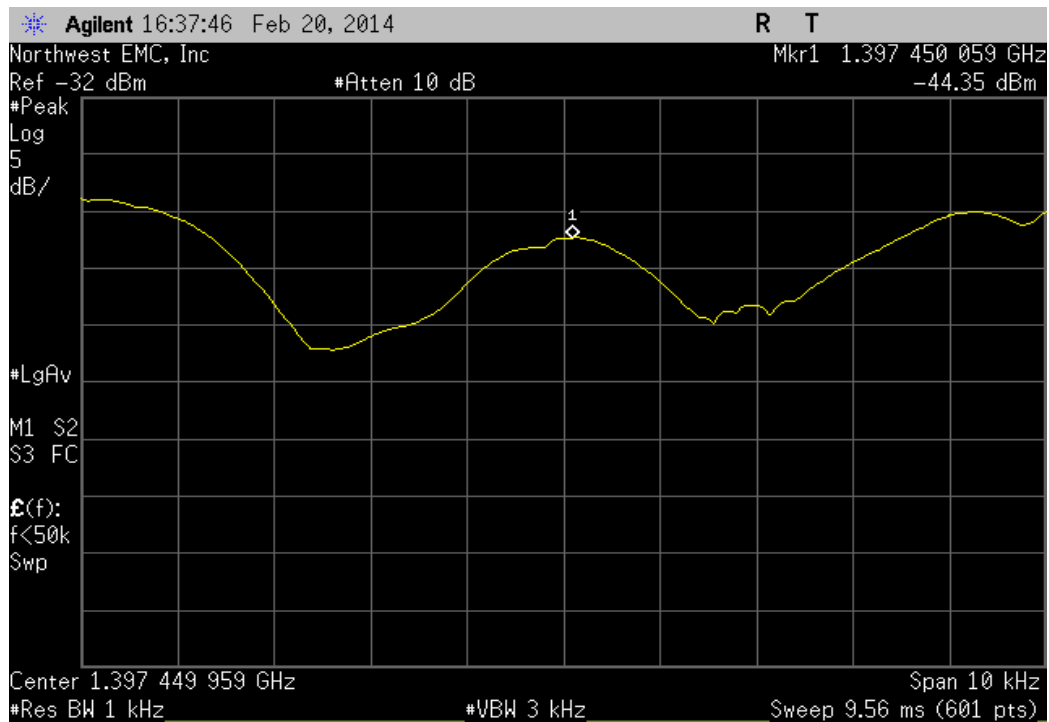
| Extreme Temperature -10°C, High Channel, 1429.05 WB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.05061           | 1429.05              | 0.4         | 100         | Pass   |



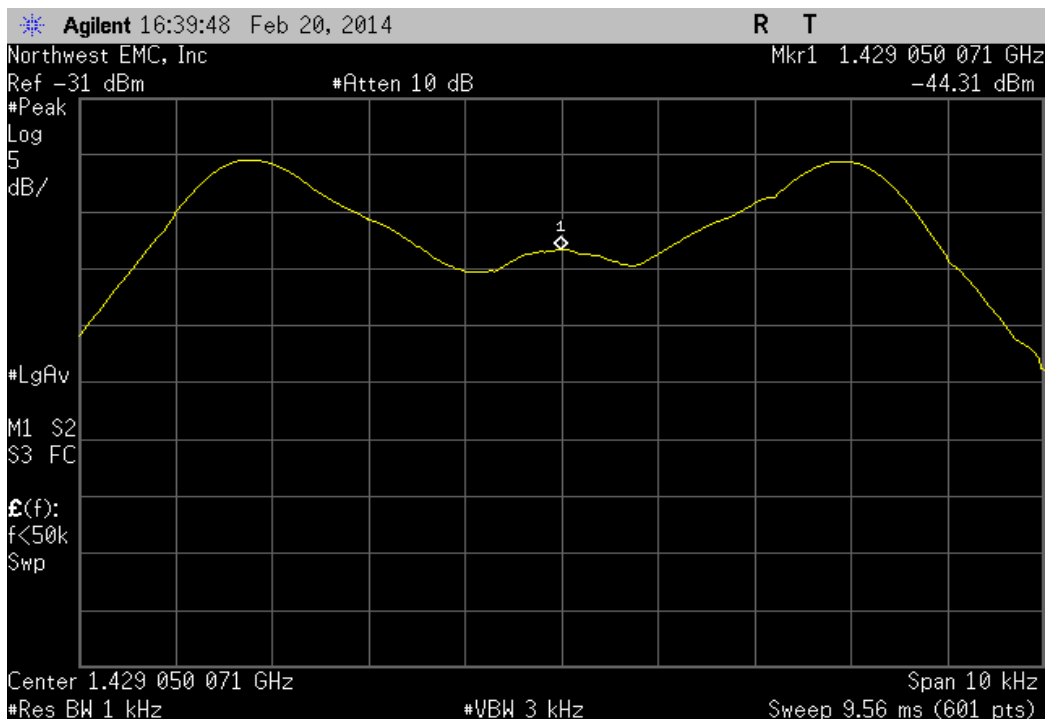
| Extreme Temperature -20°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.450171          | 1397.45              | 0.1         | 100         | Pass   |  |



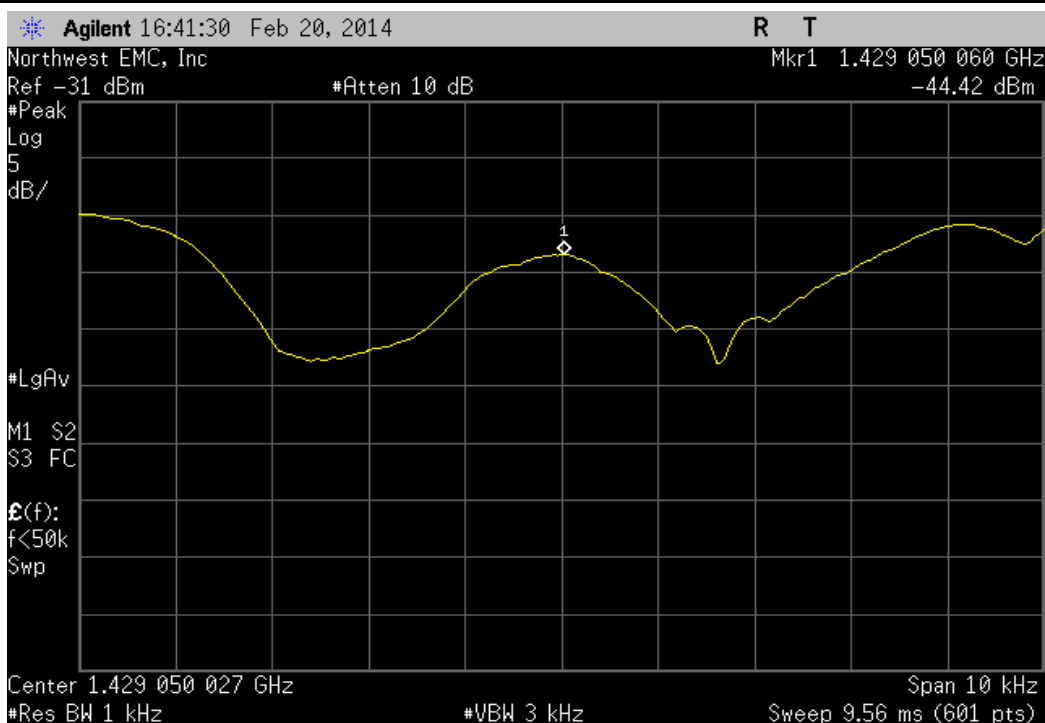
| Extreme Temperature -20°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |  |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                    | 1397.450059          | 1397.45              | 0           | 100         | Pass   |  |



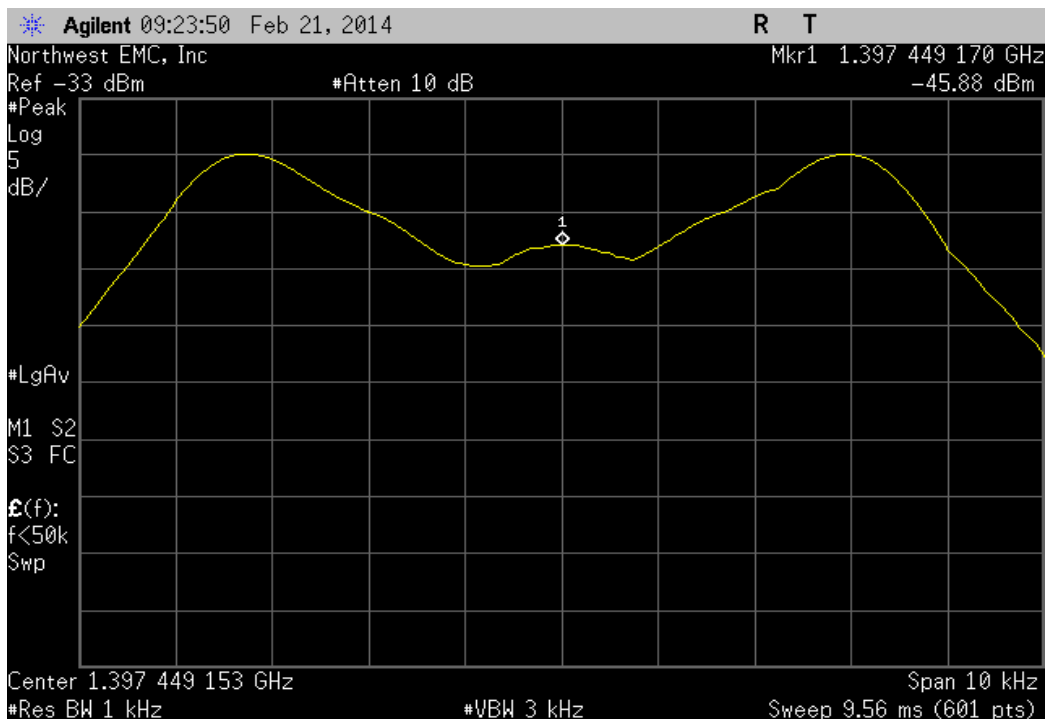
| Extreme Temperature -20°C, High Channel, 1429.05 NB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.050071          | 1429.05              | 0           | 100         | Pass   |  |



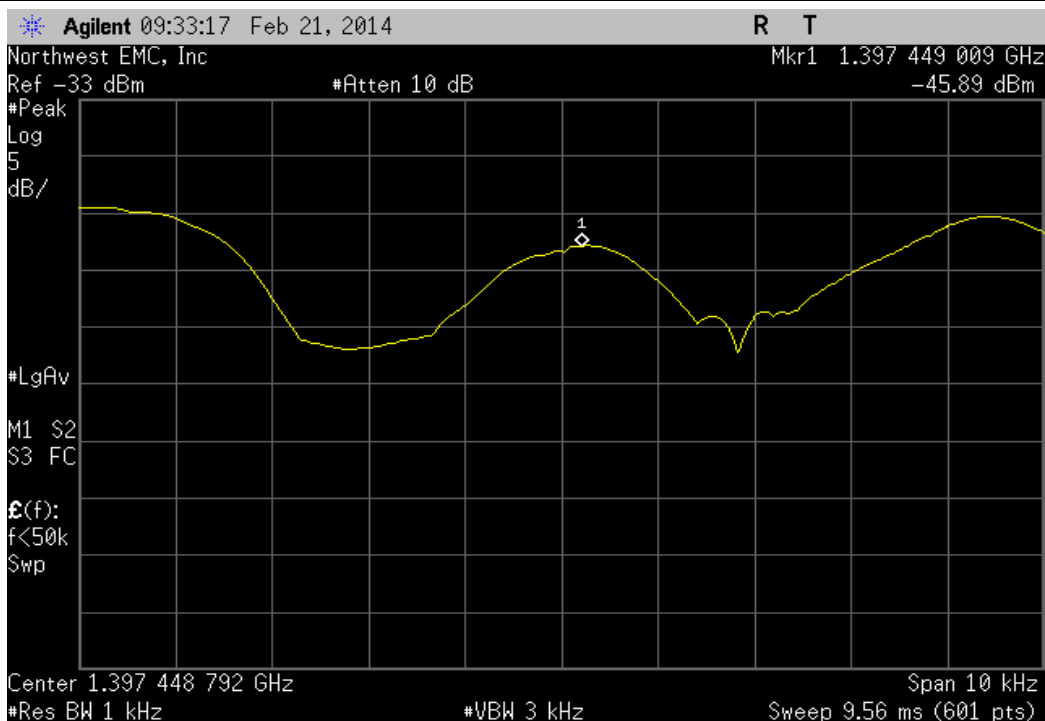
| Extreme Temperature -20°C, High Channel, 1429.05 WB |                      |                      |             |             |        |  |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|--|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |  |
|                                                     | 1429.05006           | 1429.05              | 0           | 100         | Pass   |  |



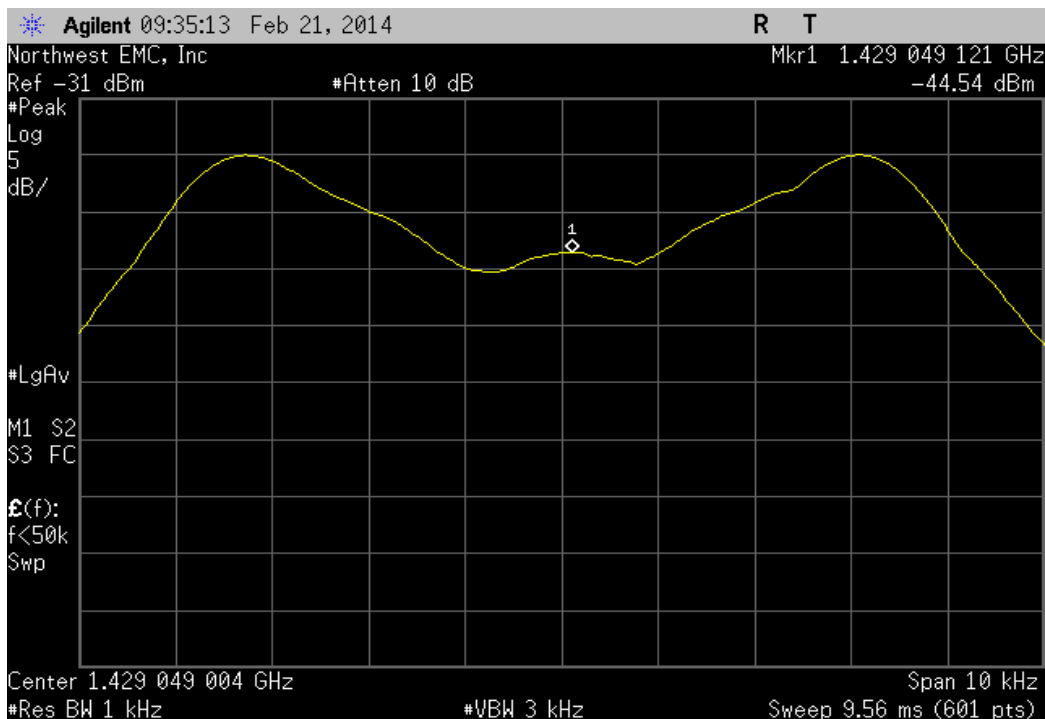
| Extreme Temperature -30°C, Low Channel, 1397.45 NB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.44917           | 1397.45              | 0.6         | 100         | Pass   |



| Extreme Temperature -30°C, Low Channel, 1397.45 WB |                      |                      |             |             |        |
|----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                    | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                    | 1397.449009          | 1397.45              | 0.7         | 100         | Pass   |



| Extreme Temperature -30°C, High Channel, 1429.05 NB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.049121          | 1429.05              | 0.6         | 100         | Pass   |



| Extreme Temperature -30°C, High Channel, 1429.05 WB |                      |                      |             |             |        |
|-----------------------------------------------------|----------------------|----------------------|-------------|-------------|--------|
|                                                     | Measured Value (MHz) | Assigned Value (MHz) | Error (ppm) | Limit (ppm) | Result |
|                                                     | 1429.049043          | 1429.05              | 0.7         | 100         | Pass   |

