



**Sig Sauer, Inc.**  
**Electro-Optics**  
**KILO2400ABS Rangefinder**

**FCC 15.247:2017**

**Bluetooth Radio**

**Report # SIGS0004.1**



NVLAP Lab Code: 200630-0

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# CERTIFICATE OF TEST

Last Date of Test: February 23, 2017

Sig Sauer, Inc.

Electro-Optics

Model: KILO2400ABS Rangefinder

## Radio Equipment Testing

### Standards

| Specification   | Method           |
|-----------------|------------------|
| FCC 15.247:2017 | ANSI C63.10:2013 |

### Results

| Method Clause | Test Description                    | Applied | Results | Comments                                |
|---------------|-------------------------------------|---------|---------|-----------------------------------------|
| 6.2           | AC - Powerline Conducted Emissions  | No      | N/A     | Not required for a battery powered EUT. |
| 6.5, 6.6      | Spurious Radiated Emissions         | Yes     | Pass    |                                         |
| 7.5           | Duty Cycle                          | Yes     | Pass    |                                         |
| 7.8.2         | Carrier Frequency Separation        | Yes     | Pass    |                                         |
| 7.8.3         | Number of Hopping Frequencies       | Yes     | Pass    |                                         |
| 7.8.4         | Dwell Time                          | Yes     | Pass    |                                         |
| 7.8.5         | Output Power                        | Yes     | Pass    |                                         |
| 7.8.6         | Band Edge Compliance                | Yes     | Pass    |                                         |
| 7.8.6         | Band Edge Compliance - Hopping Mode | Yes     | Pass    |                                         |
| 7.8.7         | Occupied Bandwidth                  | Yes     | Pass    |                                         |
| 7.8.8         | Spurious Conducted Emissions        | Yes     | Pass    |                                         |

### Deviations From Test Standards

None

### Approved By:

Kyle Holgate, Operations Manager

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

# REVISION HISTORY



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

# ACCREDITATIONS AND AUTHORIZATIONS



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## United States

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

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

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

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## Canada

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

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## European Union

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

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## Australia/New Zealand

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

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## Korea

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

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## Japan

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

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## 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.

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## Singapore

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

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## Israel

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

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## Hong Kong

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

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## Vietnam

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

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## SCOPE

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

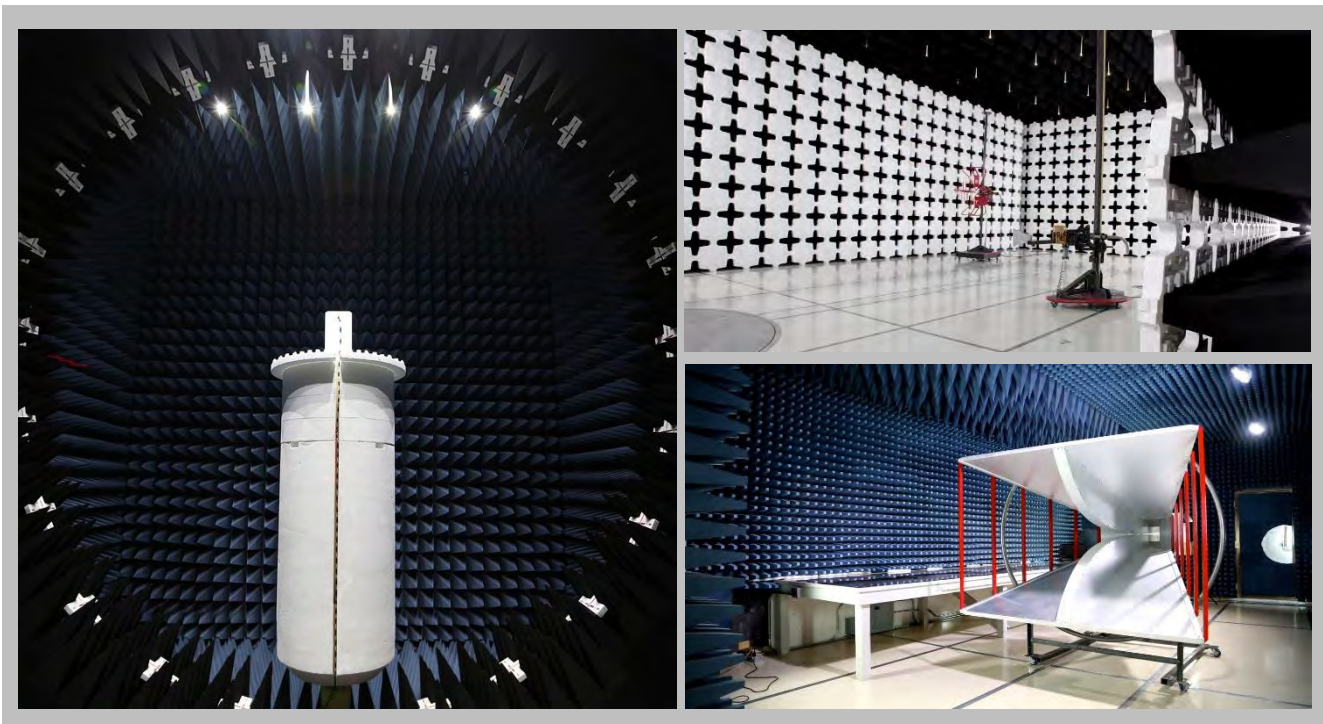
<http://portlandcustomer.element.com/ts/scope/scope.htm>

<http://gsi.nist.gov/global/docs/cabs/designations.html>

# FACILITIES



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



# MEASUREMENT UNCERTAINTY



## Measurement Uncertainty

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

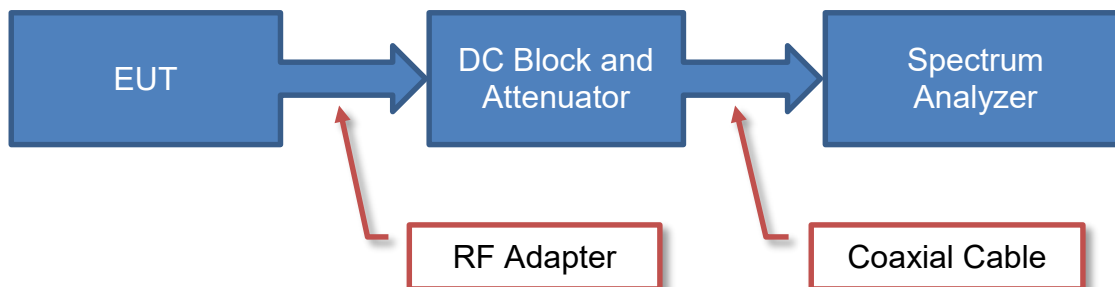
A measurement uncertainty estimation has been performed for each test per our internal quality document QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found included as part of the applicable test description page. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

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

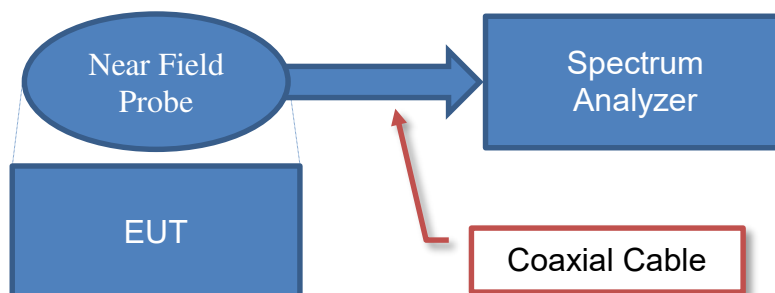
| <b>Test</b>                           | <b>+ MU</b> | <b>- MU</b> |
|---------------------------------------|-------------|-------------|
| Frequency Accuracy (Hz)               | 0.0007%     | -0.0007%    |
| Amplitude Accuracy (dB)               | 1.2 dB      | -1.2 dB     |
| Conducted Power (dB)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

# Test Setup Block Diagrams

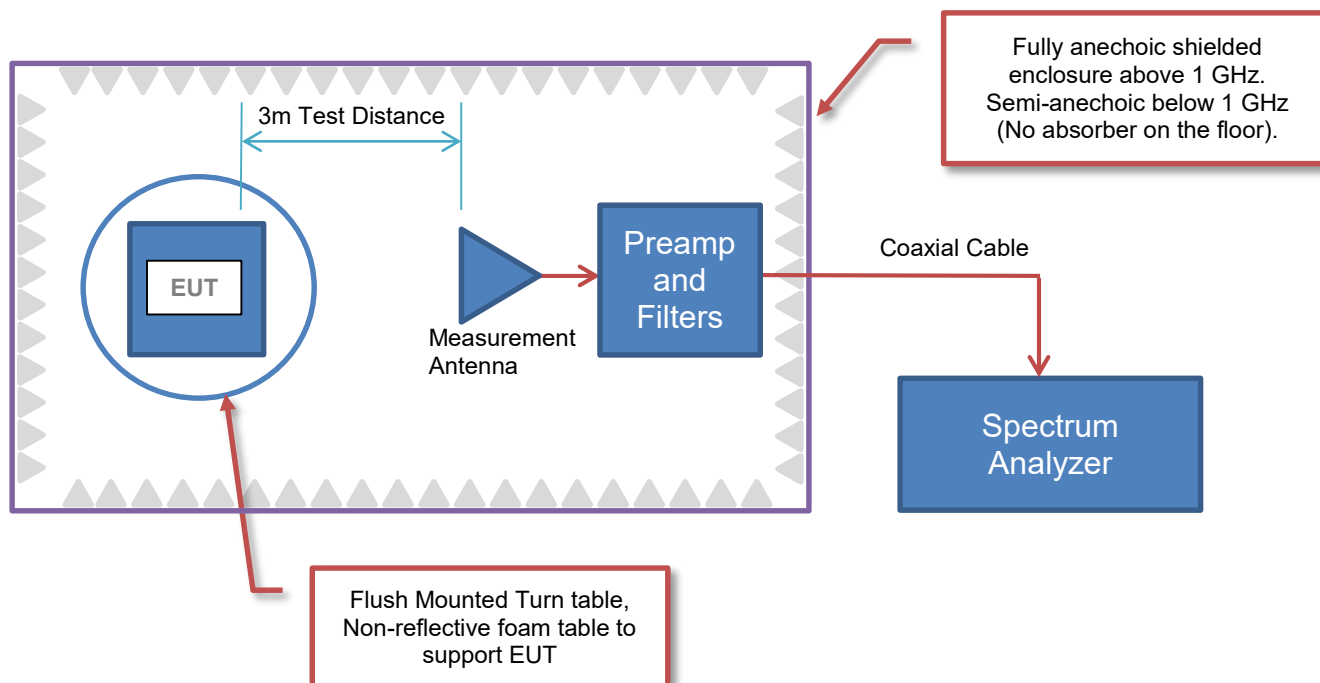
## Antenna Port Conducted Measurements



## Near Field Test Fixture Measurements



## Spurious Radiated Emissions





# PRODUCT DESCRIPTION

## Client and Equipment Under Test (EUT) Information

|                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>Company Name:</b>            | Sig Sauer, Inc.<br>Electro-Optics |
| <b>Address:</b>                 | 19861 SW 95 <sup>th</sup> Ave     |
| <b>City, State, Zip:</b>        | Tualatin, OR 97062                |
| <b>Test Requested By:</b>       | Don Cramer                        |
| <b>Model:</b>                   | KILO2400ABS Rangefinder           |
| <b>First Date of Test:</b>      | February 20, 2017                 |
| <b>Last Date of Test:</b>       | February 23, 2017                 |
| <b>Receipt Date of Samples:</b> | February 20, 2017                 |
| <b>Equipment Design Stage:</b>  | Production                        |
| <b>Equipment Condition:</b>     | No Damage                         |
| <b>Purchase Authorization:</b>  | Verified                          |

## Information Provided by the Party Requesting the Test

|                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Functional Description of the EUT:</b>                                                                                      |
| Rangefinder which utilizes a Bluetooth BR/EDR (FHSS) / Low Energy (DTS) radio for communication with smart phone applications. |
| <b>Testing Objective:</b>                                                                                                      |
| To demonstrate compliance of the Bluetooth FHSS radio to FCC 15.247 requirements                                               |

# CONFIGURATIONS



## Configuration SIGS0004- 1

| Software/Firmware Running during test |             |
|---------------------------------------|-------------|
| Description                           | Version     |
| MircoChip ISRT                        | 2.1.29.4784 |

| EUT         |                                   |                   |               |
|-------------|-----------------------------------|-------------------|---------------|
| Description | Manufacturer                      | Model/Part Number | Serial Number |
| Rangefinder | Sig Sauer, Inc.<br>Electro-Optics | None              | KILO2400ABS   |

| Peripherals in test setup boundary |              |                   |                             |
|------------------------------------|--------------|-------------------|-----------------------------|
| Description                        | Manufacturer | Model/Part Number | Serial Number               |
| USB to UART conversion board       | None         | FTDI              | FTDI232RL                   |
| Laptop (Dell)                      | Dell         | XPS15             | JTNZY1                      |
| AC/DC Adapter (Dell)               | Dell         | DA130PM130        | CN-06TTY6-48661-435-0LE-A00 |

| Cables                |         |            |         |                              |                      |
|-----------------------|---------|------------|---------|------------------------------|----------------------|
| Cable Type            | Shield  | Length (m) | Ferrite | Connection 1                 | Connection 2         |
| USB Cable             | Yes     | 1.0m       | No      | USB to UART conversion board | Laptop (Dell)        |
| AC Power Supply Cable | No      | 1.0m       | No      | AC mains                     | AC/DC Adapter (Dell) |
| DC Power Cable        | Unknown | 2.0m       | Unknown | AC/DC Adapter (Dell)         | Laptop (Dell)        |

## Configuration SIGS0004- 3

| Software/Firmware Running during test |             |
|---------------------------------------|-------------|
| Description                           | Version     |
| MircoChip ISRT                        | 2.1.29.4784 |

| EUT                    |                                   |                   |               |
|------------------------|-----------------------------------|-------------------|---------------|
| Description            | Manufacturer                      | Model/Part Number | Serial Number |
| Rangefinder (Radiated) | Sig Sauer, Inc.<br>Electro-Optics | None              | 000002GA      |

| Remote Equipment Outside of Test Setup Boundary |              |                   |               |
|-------------------------------------------------|--------------|-------------------|---------------|
| Description                                     | Manufacturer | Model/Part Number | Serial Number |
| USB to UART conversion board                    | None         | FTDI              | FTDI232RL     |
| Laptop (Dell)                                   | Dell         | XPS15             | JTNZY1        |

# MODIFICATIONS



## Equipment Modifications

| Item | Date      | Test                                | Modification                         | Note                                                                | Disposition of EUT                          |
|------|-----------|-------------------------------------|--------------------------------------|---------------------------------------------------------------------|---------------------------------------------|
| 1    | 2/20/2017 | Duty Cycle                          | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 2    | 2/20/2017 | Carrier Frequency Separation        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 3    | 2/20/2017 | Number of Hopping Frequencies       | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 4    | 2/20/2017 | Dwell Time                          | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 5    | 2/20/2017 | Output Power                        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 6    | 2/20/2017 | Band Edge Compliance                | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 7    | 2/20/2017 | Band Edge Compliance – Hopping Mode | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 8    | 2/20/2017 | Occupied Bandwidth                  | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 9    | 2/20/2017 | Spurious Conducted Emissions        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 10   | 2/23/2017 | Spurious Radiated Emissions         | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed.            |

# SPURIOUS RADIATED EMISSIONS



PSA-ESCI 2017.01.26

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

## MODES OF OPERATION

BDR DH5 Single Channel Mode

EDR 2DH5 Single Channel Mode

EDR 3DH5 Single Channel Mode

## CHANNELS OF OPERATION

Low Ch. 2402 MHz

Mid Ch. 2441 MHz

High Ch. 2480 MHz

## POWER SETTINGS INVESTIGATED

Battery (3.0VDC)

## CONFIGURATIONS INVESTIGATED

SIGS0004 - 3

## FREQUENCY RANGE INVESTIGATED

|                 |        |                |           |
|-----------------|--------|----------------|-----------|
| Start Frequency | 30 MHz | Stop Frequency | 26500 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 |
|------------------------------|-----------------|---------------------------|-----|------------|----------|
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                    | AAQ | 4/22/2016  | 12 mo    |
| Cable                        | ESM Cable Corp. | KMKM-72                   | EVY | 10/17/2016 | 12 mo    |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-18002650-25-10P    | AVU | 10/17/2016 | 12 mo    |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-09                   | AIV | NCR        | 0 mo     |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P    | AVD | 2/6/2017   | 12 mo    |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-08                   | AHV | NCR        | 0 mo     |
| Cable                        | None            | Standard Gain Horns Cable | EVF | 2/6/2017   | 12 mo    |
| Amplifier - Pre-Amplifier    | L-3 Narda-MITEQ | AMF-6F-08001200-30-10P    | PAO | 2/7/2017   | 12 mo    |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                   | AHU | NCR        | 0 mo     |
| Filter - High Pass           | Micro-Tronics   | HPM50111                  | HFO | 2/6/2017   | 12 mo    |
| Attenuator                   | Coaxicom        | 3910-10                   | AWX | 5/18/2016  | 12 mo    |
| Attenuator                   | Coaxicom        | 3910-20                   | AXZ | 5/18/2016  | 12 mo    |
| Cable                        | N/A             | Double Ridge Horn Cables  | EVB | 2/6/2017   | 12 mo    |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P    | PAG | 2/6/2017   | 12 mo    |
| Antenna - Double Ridge       | ETS Lindgren    | 3115                      | AIZ | 2/3/2016   | 24 mo    |
| Filter - Low Pass            | Micro-Tronics   | LPM50004                  | LFD | 5/18/2016  | 12 mo    |
| Cable                        | N/A             | Bilog Cables              | EVA | 2/6/2017   | 12 mo    |
| Amplifier - Pre-Amplifier    | Miteq           | AM-1616-1000              | AOL | 2/6/2017   | 12 mo    |
| Antenna - Biconilog          | Teseq           | CBL 6141B                 | AXR | 6/30/2016  | 24 mo    |

## TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These “pre-scans” are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector  
PK = Peak Detector  
AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements at the edges of the allowable band may be presented in an alternative method as provided for in the ANSI C63.10 Marker-Delta method. This method involves performing an in-band fundamental measurement followed by a screen capture of the fundamental and out-of-band emission using reduced measurement instrumentation bandwidths. The amplitude delta measured on this screen capture is applied to the fundamental emission value to show the out-of-band emission level as applied to the limit.

# SPURIOUS RADIATED EMISSIONS



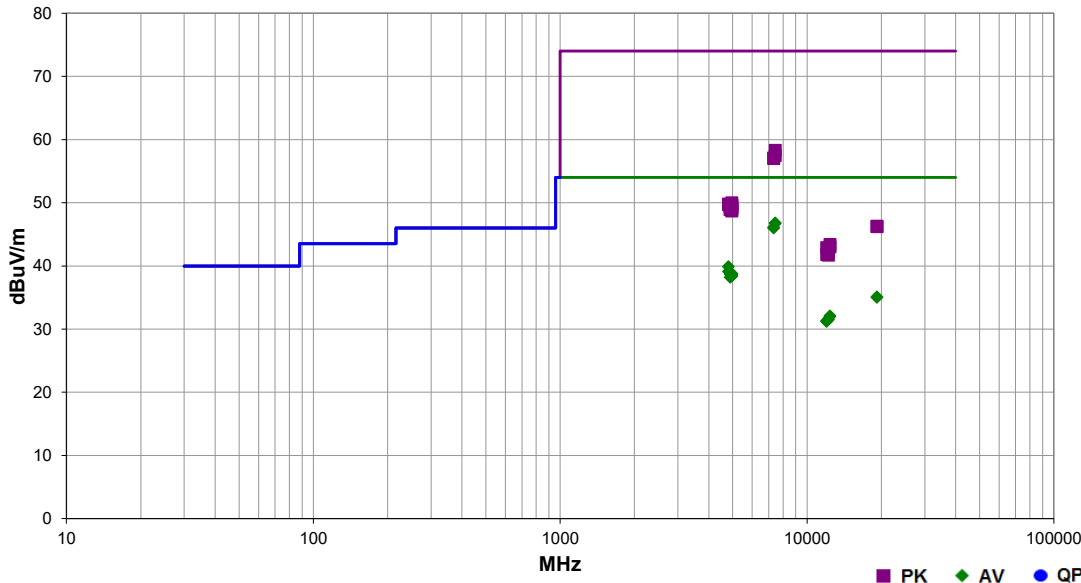
EmiRS 2017.01.25

PSA-ESCI 2017.01.26

|                 |                                                                                                                                   |                   |           |                          |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|--------------------------|
| Work Order:     | SIGS0004                                                                                                                          | Date:             | 02/23/17  |                          |
| Project:        | None                                                                                                                              | Temperature:      | 23.3 °C   |                          |
| Job Site:       | EV01                                                                                                                              | Humidity:         | 29.8% RH  |                          |
| Serial Number:  | 000002GA                                                                                                                          | Barometric Pres.: | 1028 mbar | Tested by: Brandon Hobbs |
| EUT:            | KILO2400ABS Rangefinder                                                                                                           |                   |           |                          |
| Configuration:  | 3                                                                                                                                 |                   |           |                          |
| Customer:       | Sig Sauer, Inc.                                                                                                                   |                   |           |                          |
| Attendees:      | Electro-Optics                                                                                                                    |                   |           |                          |
| EUT Power:      | Don Cramer                                                                                                                        |                   |           |                          |
| Operating Mode: | Battery (3.0VDC)                                                                                                                  |                   |           |                          |
| Deviations:     | Continuous Tx, Please reference the data comments for EUT operating mode                                                          |                   |           |                          |
| Comments:       | None                                                                                                                              |                   |           |                          |
| Comments:       | Client provided 3rd party software to control radio module. Please reference the data comments for EUT orientation and frequency. |                   |           |                          |

| Test Specifications | Test Method      |
|---------------------|------------------|
| FCC 15.247:2017     | ANSI C63.10:2013 |

| Run # | 19 | Test Distance (m) | 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-------|----|-------------------|---|-------------------|-----------|---------|------|
|-------|----|-------------------|---|-------------------|-----------|---------|------|



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/ Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                           |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|---------------------------|----------|--------------------------|-------------------|----------------------|------------------------|------------------------------------|
| 7440.505   | 27.4             | 19.4        | 1.0                     | 355.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 46.8              | 54.0                 | -7.2                   | High Ch.2480MHz, DH5, EUT On Side  |
| 7439.310   | 27.3             | 19.4        | 3.4                     | 215.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 46.7              | 54.0                 | -7.3                   | High Ch.2480MHz, DH5, EUT Horz     |
| 7323.490   | 27.3             | 18.8        | 1.9                     | 109.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | Mid Ch.2441MHz, DH5, EUT Horz      |
| 7324.165   | 27.2             | 18.8        | 1.0                     | 340.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | Mid Ch.2441MHz, DH5, EUT On Side   |
| 4803.955   | 29.3             | 10.6        | 1.0                     | 68.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 39.9              | 54.0                 | -14.1                  | High Ch.2480MHz, DH5, EUT Horz     |
| 4803.925   | 28.5             | 10.6        | 1.0                     | 200.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 39.1              | 54.0                 | -14.9                  | High Ch.2480MHz, DH5, EUT On Side  |
| 4960.155   | 27.8             | 11.0        | 1.0                     | 67.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.8              | 54.0                 | -15.2                  | High Ch.2480MHz, DH5, EUT Horz     |
| 4882.100   | 27.9             | 10.8        | 1.0                     | 72.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.7              | 54.0                 | -15.3                  | Mid Ch.2441MHz, DH5, EUT Horz      |
| 4961.395   | 27.6             | 11.0        | 2.6                     | 16.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.6              | 54.0                 | -15.4                  | High Ch.2480MHz, DH5, EUT On Side  |
| 4959.995   | 27.6             | 11.0        | 1.2                     | 0.0               | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 38.6              | 54.0                 | -15.4                  | High Ch.2480MHz, DH5, EUT On Side  |
| 4961.015   | 27.5             | 11.0        | 1.3                     | 110.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 38.5              | 54.0                 | -15.5                  | High Ch.2480MHz, DH5, EUT Horz     |
| 4961.445   | 27.5             | 11.0        | 1.0                     | 208.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.5              | 54.0                 | -15.5                  | High Ch.2480MHz, DH5, EUT Vertical |
| 4961.030   | 27.4             | 11.0        | 1.0                     | 226.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 38.4              | 54.0                 | -15.6                  | High Ch.2480MHz, DH5, EUT Vertical |
| 4960.525   | 27.4             | 11.0        | 1.2                     | 316.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.4              | 54.0                 | -15.6                  | High Ch.2480MHz, 2DH5, EUT Horz    |
| 4961.195   | 27.4             | 11.0        | 2.5                     | 21.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 38.4              | 54.0                 | -15.6                  | High Ch.2480MHz, 3DH5, EUT Horz    |
| 7439.515   | 38.9             | 19.4        | 1.0                     | 355.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 58.3              | 74.0                 | -15.7                  | High Ch.2480MHz, DH5, EUT On Side  |
| 4882.130   | 27.4             | 10.8        | 3.1                     | 17.0              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 38.2              | 54.0                 | -15.8                  | Mid Ch.2441MHz, DH5, EUT On Side   |
| 7441.250   | 38.1             | 19.4        | 3.4                     | 215.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 57.5              | 74.0                 | -16.5                  | High Ch.2480MHz, DH5, EUT Horz     |
| 7324.065   | 38.3             | 18.8        | 1.0                     | 340.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 57.1              | 74.0                 | -16.9                  | Mid Ch.2441MHz, DH5, EUT On Side   |
| 7324.005   | 38.2             | 18.8        | 1.9                     | 109.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 57.0              | 74.0                 | -17.0                  | Mid Ch.2441MHz, DH5, EUT Horz      |
| 19216.630  | 34.1             | 1.0         | 1.6                     | 72.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 35.1              | 54.0                 | -18.9                  | High Ch.2480MHz, DH5, EUT Horz     |
| 19215.020  | 34.0             | 1.0         | 1.5                     | 218.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 35.0              | 54.0                 | -19.0                  | Low Ch.2402MHz, DH5, EUT On Side   |
| 12398.580  | 28.2             | 3.9         | 1.0                     | 161.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 32.1              | 54.0                 | -21.9                  | High Ch.2480MHz, DH5, EUT Horz     |
| 12398.510  | 28.1             | 3.9         | 1.0                     | 149.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 32.0              | 54.0                 | -22.0                  | High Ch.2480MHz, DH5, EUT On Side  |
| 12204.000  | 28.3             | 3.3         | 1.1                     | 15.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 31.6              | 54.0                 | -22.4                  | Mid Ch.2441MHz, DH5, EUT Horz      |
| 12203.790  | 28.2             | 3.3         | 1.0                     | 291.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 31.5              | 54.0                 | -22.5                  | Mid Ch.2441MHz, DH5, EUT On Side   |

| Freq<br>(MHz) | Amplitude<br>(dBuV) | Factor<br>(dB) | Antenna<br>Height<br>(meters) | Azimuth<br>(degrees) | Test Distance<br>(meters) | External<br>Attenuation<br>(dB) | Polarity/<br>Transducer<br>Type | Detector | Distance<br>Adjustment<br>(dB) | Adjusted<br>(dBuV/m) | Spec. Limit<br>(dBuV/m) | Compared to<br>Spec.<br>(dB) | Comments                           |
|---------------|---------------------|----------------|-------------------------------|----------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|------------------------------------|
| 12010.050     | 28.1                | 3.2            | 3.0                           | 124.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 31.3                 | 54.0                    | -22.7                        | Low Ch.2402MHz, DH5, EUT On Side   |
| 12009.380     | 28.0                | 3.2            | 1.0                           | 143.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 31.2                 | 54.0                    | -22.8                        | High Ch.2480MHz, DH5, EUT Horz     |
| 4960.025      | 39.0                | 11.0           | 1.0                           | 67.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 50.0                 | 74.0                    | -24.0                        | High Ch.2480MHz, DH5, EUT Horz     |
| 4803.725      | 39.2                | 10.6           | 1.0                           | 200.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 49.8                 | 74.0                    | -24.2                        | High Ch.2480MHz, DH5, EUT On Side  |
| 4804.295      | 39.1                | 10.6           | 1.0                           | 68.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 49.7                 | 74.0                    | -24.3                        | High Ch.2480MHz, DH5, EUT Horz     |
| 4960.305      | 38.6                | 11.0           | 2.6                           | 16.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 49.6                 | 74.0                    | -24.4                        | High Ch.2480MHz, DH5, EUT On Side  |
| 4960.020      | 38.6                | 11.0           | 1.2                           | 316.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 49.6                 | 74.0                    | -24.4                        | High Ch.2480MHz, 2DH5, EUT Horz    |
| 4960.960      | 38.3                | 11.0           | 1.3                           | 110.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 49.3                 | 74.0                    | -24.7                        | High Ch.2480MHz, DH5, EUT Horz     |
| 4881.485      | 38.5                | 10.8           | 1.0                           | 72.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 49.3                 | 74.0                    | -24.7                        | Mid Ch.2441MHz, DH5, EUT Horz      |
| 4960.060      | 38.1                | 11.0           | 1.2                           | 0.0                  | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 49.1                 | 74.0                    | -24.9                        | High Ch.2480MHz, DH5, EUT On Side  |
| 4959.880      | 38.1                | 11.0           | 1.0                           | 226.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 49.1                 | 74.0                    | -24.9                        | High Ch.2480MHz, DH5, EUT Vertical |
| 4881.070      | 38.1                | 10.8           | 3.1                           | 17.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 48.9                 | 74.0                    | -25.1                        | Mid Ch.2441MHz, DH5, EUT On Side   |
| 4960.480      | 37.8                | 11.0           | 2.5                           | 21.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.8                 | 74.0                    | -25.2                        | High Ch.2480MHz, 3DH5, EUT Horz    |
| 4959.645      | 37.7                | 11.0           | 1.0                           | 208.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.7                 | 74.0                    | -25.3                        | High Ch.2480MHz, DH5, EUT Vertical |
| 19214.580     | 45.3                | 1.0            | 1.5                           | 218.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.3                 | 74.0                    | -27.7                        | Low Ch.2402MHz, DH5, EUT On Side   |
| 19217.280     | 45.2                | 1.0            | 1.6                           | 72.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 46.2                 | 74.0                    | -27.8                        | High Ch.2480MHz, DH5, EUT Horz     |
| 12399.740     | 39.5                | 3.9            | 1.0                           | 161.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 43.4                 | 74.0                    | -30.6                        | High Ch.2480MHz, DH5, EUT Horz     |
| 12399.460     | 39.1                | 3.9            | 1.0                           | 149.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 43.0                 | 74.0                    | -31.0                        | High Ch.2480MHz, DH5, EUT On Side  |
| 12010.340     | 39.7                | 3.2            | 1.0                           | 143.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 42.9                 | 74.0                    | -31.1                        | High Ch.2480MHz, DH5, EUT Horz     |
| 12204.810     | 39.0                | 3.3            | 1.1                           | 15.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 42.3                 | 74.0                    | -31.7                        | Mid Ch.2441MHz, DH5, EUT Horz      |
| 12011.210     | 38.6                | 3.2            | 3.0                           | 124.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 41.8                 | 74.0                    | -32.2                        | High Ch.2480MHz, DH5, EUT On Side  |
| 12206.030     | 38.4                | 3.3            | 1.0                           | 291.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 41.7                 | 74.0                    | -32.3                        | Mid Ch.2441MHz, DH5, EUT On Side   |

# SPURIOUS RADIATED EMISSIONS



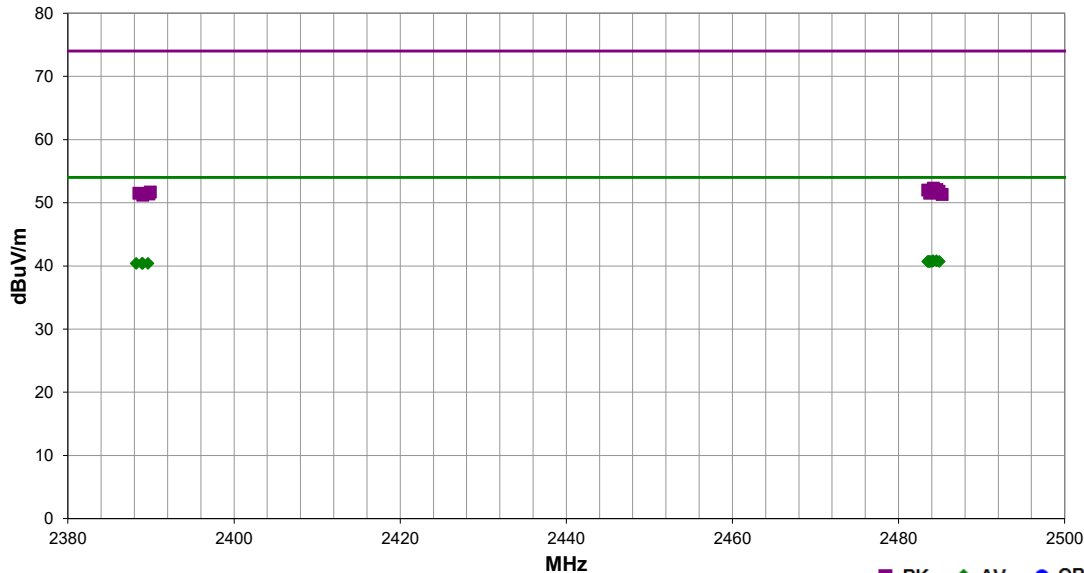
EmiR5 2017.01.25

PSA-ESG 2017.01.26

|                 |                                                                                                                                   |                         |           |                                                                                    |            |               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|------------------------------------------------------------------------------------|------------|---------------|
| Work Order:     | SIGS0004                                                                                                                          | Date:                   | 02/23/17  |  |            |               |
| Project:        | None                                                                                                                              | Temperature:            | 23.3 °C   |                                                                                    |            |               |
| Job Site:       | EV01                                                                                                                              | Humidity:               | 29.8% RH  |                                                                                    |            |               |
| Serial Number:  | 000002GA                                                                                                                          | Barometric Pres.:       | 1028 mbar |                                                                                    |            |               |
| EUT:            |                                                                                                                                   | KIL02400ABS Rangefinder |           |                                                                                    | Tested by: | Brandon Hobbs |
| Configuration:  |                                                                                                                                   | 3                       |           |                                                                                    |            |               |
| Customer:       | Sig Sauer, Inc.                                                                                                                   |                         |           |                                                                                    |            |               |
| Attendees:      | Electro-Optics                                                                                                                    |                         |           |                                                                                    |            |               |
| EUT Power:      | Don Cramer                                                                                                                        |                         |           |                                                                                    |            |               |
| Operating Mode: | Battery (3.0VDC)                                                                                                                  |                         |           |                                                                                    |            |               |
| Deviations:     | Continuous Tx, Please reference the data comments for EUT operating mode                                                          |                         |           |                                                                                    |            |               |
| Comments:       | None                                                                                                                              |                         |           |                                                                                    |            |               |
| Comments:       | Client provided 3rd party software to control radio module. Please reference the data comments for EUT orientation and frequency. |                         |           |                                                                                    |            |               |

|                            |                    |
|----------------------------|--------------------|
| <b>Test Specifications</b> | <b>Test Method</b> |
| FCC 15.247:2017            | ANSI C63.10:2013   |

|              |    |                          |   |                          |           |                |      |
|--------------|----|--------------------------|---|--------------------------|-----------|----------------|------|
| <b>Run #</b> | 26 | <b>Test Distance (m)</b> | 3 | <b>Antenna Height(s)</b> | 1 to 4(m) | <b>Results</b> | 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                           |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|------------------------------------|
| 2484.573   | 30.5             | 0.3         | 1.0                     | 236.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.8              | 54.0                 | -13.2                  | High Ch.2480MHz, DH5, EUT Horz     |
| 2484.170   | 30.5             | 0.3         | 2.9                     | 222.0             | 3.0                    | 10.0                      | Vert                     | AV       | 0.0                      | 40.8              | 54.0                 | -13.2                  | High Ch.2480MHz, DH5, EUT Horz     |
| 2483.707   | 30.4             | 0.3         | 1.1                     | 341.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, 2DH5, EUT Horz    |
| 2483.637   | 30.4             | 0.3         | 1.0                     | 243.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, 3DH5, EUT Horz    |
| 2483.813   | 30.4             | 0.3         | 1.0                     | 181.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, DH5, EUT On Side  |
| 2484.037   | 30.4             | 0.3         | 1.0                     | 198.0             | 3.0                    | 10.0                      | Vert                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, DH5, EUT On Side  |
| 2483.523   | 30.4             | 0.3         | 4.0                     | 99.0              | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, DH5, EUT Vertical |
| 2484.913   | 30.4             | 0.3         | 1.0                     | 293.0             | 3.0                    | 10.0                      | Vert                     | AV       | 0.0                      | 40.7              | 54.0                 | -13.3                  | High Ch.2480MHz, DH5, EUT Vertical |
| 2388.920   | 30.5             | -0.1        | 1.0                     | 246.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.4              | 54.0                 | -13.6                  | Low Ch.2402MHz, DH5, EUT Horz      |
| 2389.653   | 30.5             | -0.1        | 1.0                     | 220.0             | 3.0                    | 10.0                      | Vert                     | AV       | 0.0                      | 40.4              | 54.0                 | -13.6                  | Low Ch.2402MHz, DH5, EUT Horz      |
| 2389.003   | 30.5             | -0.1        | 1.0                     | 226.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.4              | 54.0                 | -13.6                  | Low Ch.2402MHz, 2DH5, EUT Horz     |
| 2388.220   | 30.5             | -0.1        | 1.0                     | 258.0             | 3.0                    | 10.0                      | Horz                     | AV       | 0.0                      | 40.4              | 54.0                 | -13.6                  | Low Ch.2402MHz, 3DH5, EUT Horz     |
| 2484.190   | 42.0             | 0.3         | 2.9                     | 222.0             | 3.0                    | 10.0                      | Vert                     | PK       | 0.0                      | 52.3              | 74.0                 | -21.7                  | High Ch.2480MHz, DH5, EUT Horz     |
| 2484.610   | 41.8             | 0.3         | 1.0                     | 293.0             | 3.0                    | 10.0                      | Vert                     | PK       | 0.0                      | 52.1              | 74.0                 | -21.9                  | High Ch.2480MHz, DH5, EUT Vertical |
| 2483.513   | 41.7             | 0.3         | 1.0                     | 181.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 52.0              | 74.0                 | -22.0                  | High Ch.2480MHz, DH5, EUT On Side  |
| 2484.277   | 41.6             | 0.3         | 1.0                     | 236.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.9              | 74.0                 | -22.1                  | High Ch.2480MHz, DH5, EUT Horz     |
| 2484.030   | 41.6             | 0.3         | 4.0                     | 99.0              | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.9              | 74.0                 | -22.1                  | High Ch.2480MHz, DH5, EUT Vertical |
| 2484.863   | 41.5             | 0.3         | 1.0                     | 198.0             | 3.0                    | 10.0                      | Vert                     | PK       | 0.0                      | 51.8              | 74.0                 | -22.2                  | High Ch.2480MHz, DH5, EUT On Side  |
| 2389.920   | 41.8             | -0.1        | 1.0                     | 246.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.7              | 74.0                 | -22.3                  | Low Ch.2402MHz, DH5, EUT Horz      |
| 2483.747   | 41.2             | 0.3         | 1.0                     | 243.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.5              | 74.0                 | -22.5                  | High Ch.2480MHz, 3DH5, EUT Horz    |
| 2388.547   | 41.6             | -0.1        | 1.0                     | 220.0             | 3.0                    | 10.0                      | Vert                     | PK       | 0.0                      | 51.5              | 74.0                 | -22.5                  | Low Ch.2402MHz, DH5, EUT Horz      |
| 2389.753   | 41.5             | -0.1        | 1.0                     | 258.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.4              | 74.0                 | -22.6                  | Low Ch.2402MHz, 3DH5, EUT Horz     |
| 2485.247   | 41.0             | 0.3         | 1.1                     | 341.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.3              | 74.0                 | -22.7                  | High Ch.2480MHz, 2DH5, EUT Horz    |
| 2389.010   | 41.3             | -0.1        | 1.0                     | 226.0             | 3.0                    | 10.0                      | Horz                     | PK       | 0.0                      | 51.2              | 74.0                 | -22.8                  | Low Ch.2402MHz, 2DH5, EUT Horz     |

# DUTY CYCLE



XMIT 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

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

If the transmit duty cycle < 98 percent, burst gating may have been used during some of the other tests in this report to only take the measurement during the burst duration.

# DUTY CYCLE



TbTx 2017.01.27 XMt 2017.01.26

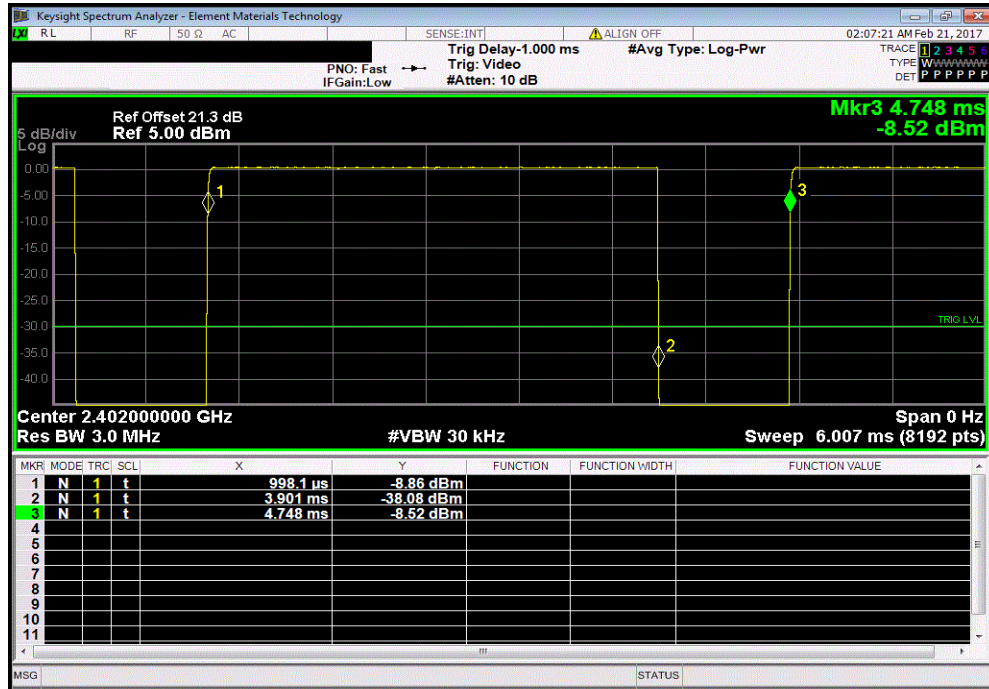
|                                                           |                       |                                    |                  |
|-----------------------------------------------------------|-----------------------|------------------------------------|------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |                       | <b>Work Order:</b> SIGS0004        |                  |
| <b>Serial Number:</b> KILO2400ABS                         |                       | <b>Date:</b> 02/20/17              |                  |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |                       | <b>Temperature:</b> 24.1 °C        |                  |
| <b>Attendees:</b> Don Cramer                              |                       | <b>Humidity:</b> 38.8% RH          |                  |
| <b>Project:</b> None                                      |                       | <b>Barometric Pres.:</b> 1008 mbar |                  |
| <b>Tested by:</b> Brandon Hobbs                           |                       | <b>Power:</b> Battery (3.0VDC)     |                  |
| <b>Power:</b> Battery (3.0VDC)                            |                       | <b>Job Site:</b> EV06              |                  |
| <b>TEST SPECIFICATIONS</b>                                |                       |                                    |                  |
| <b>FCC 15.247:2017</b>                                    |                       | <b>Test Method</b>                 |                  |
|                                                           |                       | ANSI C63.10:2013                   |                  |
| <b>COMMENTS</b>                                           |                       |                                    |                  |
| Client provided 3 party software to control radio module. |                       |                                    |                  |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |                       |                                    |                  |
| None                                                      |                       |                                    |                  |
| <b>Configuration #</b>                                    | 1                     | <i>Signature</i>                   |                  |
|                                                           |                       | <b>Pulse Width</b>                 | <b>Period</b>    |
|                                                           |                       | <b>Number of Pulses</b>            | <b>Value (%)</b> |
|                                                           |                       | <b>Limit (%)</b>                   | <b>Results</b>   |
| <b>DH5, GFSK</b>                                          |                       |                                    |                  |
|                                                           | Low Channel 2402 MHz  | 2.903 ms                           | 3.75 ms          |
|                                                           | Low Channel 2402 MHz  | N/A                                | N/A              |
|                                                           | Mid Channel 2441 MHz  | 2.903 ms                           | 3.75 ms          |
|                                                           | Mid Channel 2441 MHz  | N/A                                | N/A              |
|                                                           | High Channel 2480 MHz | 2.903 ms                           | 3.75 ms          |
|                                                           | High Channel 2480 MHz | N/A                                | N/A              |
| <b>2DH5, pi/4-DQPSK</b>                                   |                       |                                    |                  |
|                                                           | Low Channel 2402 MHz  | 2.909 ms                           | 3.75 ms          |
|                                                           | Low Channel 2402 MHz  | N/A                                | N/A              |
|                                                           | Mid Channel 2441 MHz  | 2.91 ms                            | 3.75 ms          |
|                                                           | Mid Channel 2441 MHz  | N/A                                | N/A              |
|                                                           | High Channel 2480 MHz | 2.91 ms                            | 3.75 ms          |
|                                                           | High Channel 2480 MHz | N/A                                | N/A              |
| <b>3DH5, 8-DPSK</b>                                       |                       |                                    |                  |
|                                                           | Low Channel 2402 MHz  | 2.911 ms                           | 3.75 ms          |
|                                                           | Low Channel 2402 MHz  | N/A                                | N/A              |
|                                                           | Mid Channel 2441 MHz  | 2.913 ms                           | 3.75 ms          |
|                                                           | Mid Channel 2441 MHz  | N/A                                | N/A              |
|                                                           | High Channel 2480 MHz | 2.912 ms                           | 3.75 ms          |
|                                                           | High Channel 2480 MHz | N/A                                | N/A              |

# DUTY CYCLE

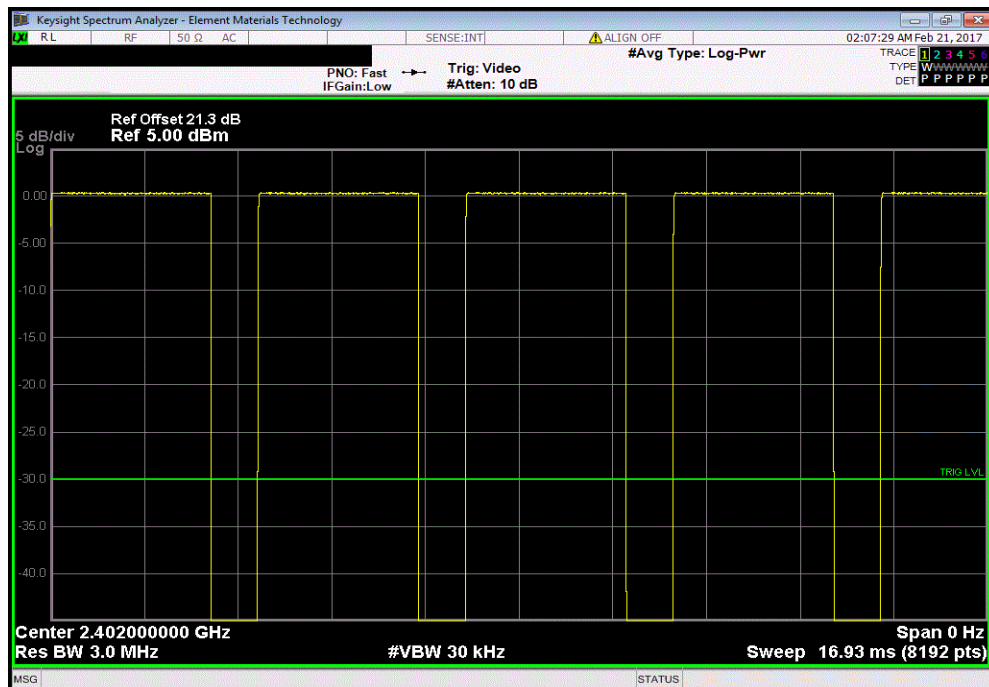


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, Low Channel 2402 MHz |         |                  |           |           |         |  |
|---------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                     | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.903 ms                        | 3.75 ms | 1                | 77.4      | N/A       | N/A     |  |



| DH5, GFSK, Low Channel 2402 MHz |        |                  |           |           |         |  |
|---------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                     | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                             | N/A    | 5                | N/A       | N/A       | N/A     |  |

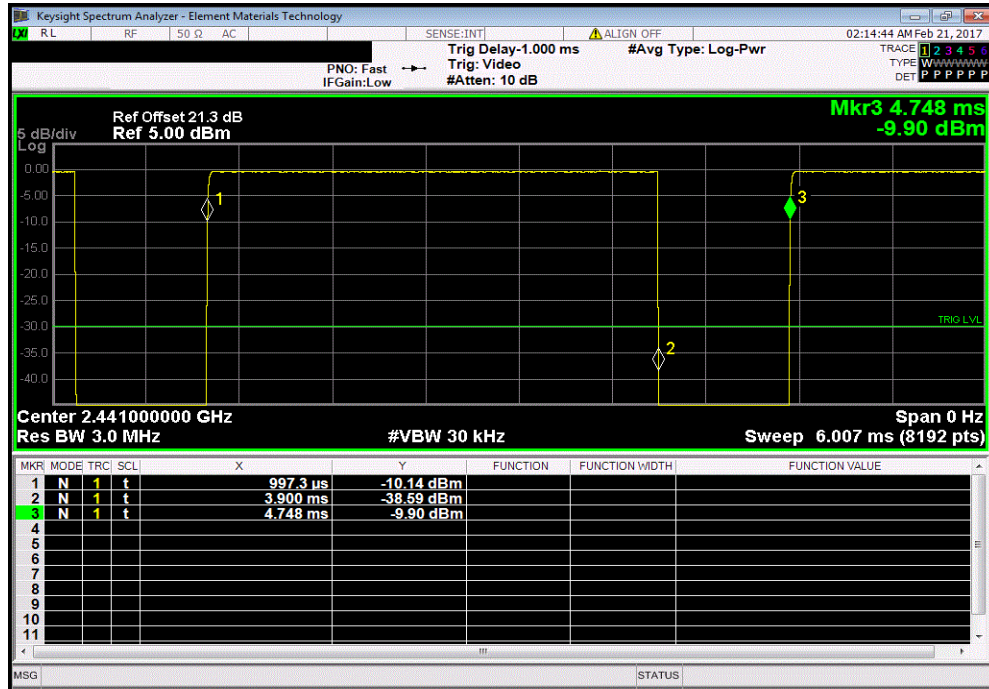


# DUTY CYCLE

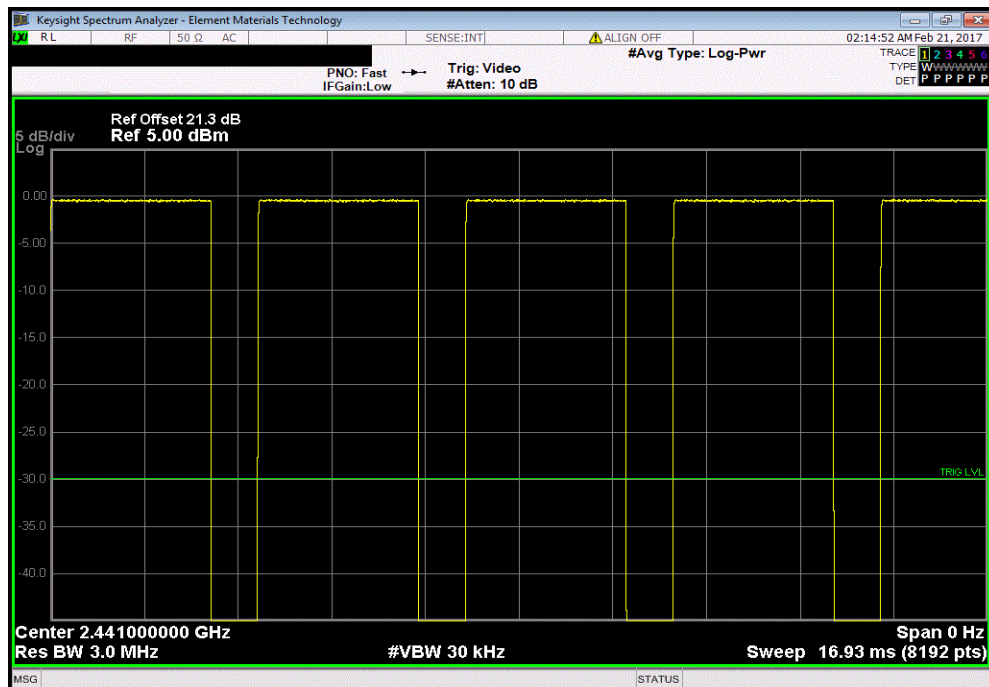


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, Mid Channel 2441 MHz |         |                  |           |           |         |  |
|---------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                     | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.903 ms                        | 3.75 ms | 1                | 77.4      | N/A       | N/A     |  |



| DH5, GFSK, Mid Channel 2441 MHz |        |                  |           |           |         |  |
|---------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                     | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                             | N/A    | 5                | N/A       | N/A       | N/A     |  |

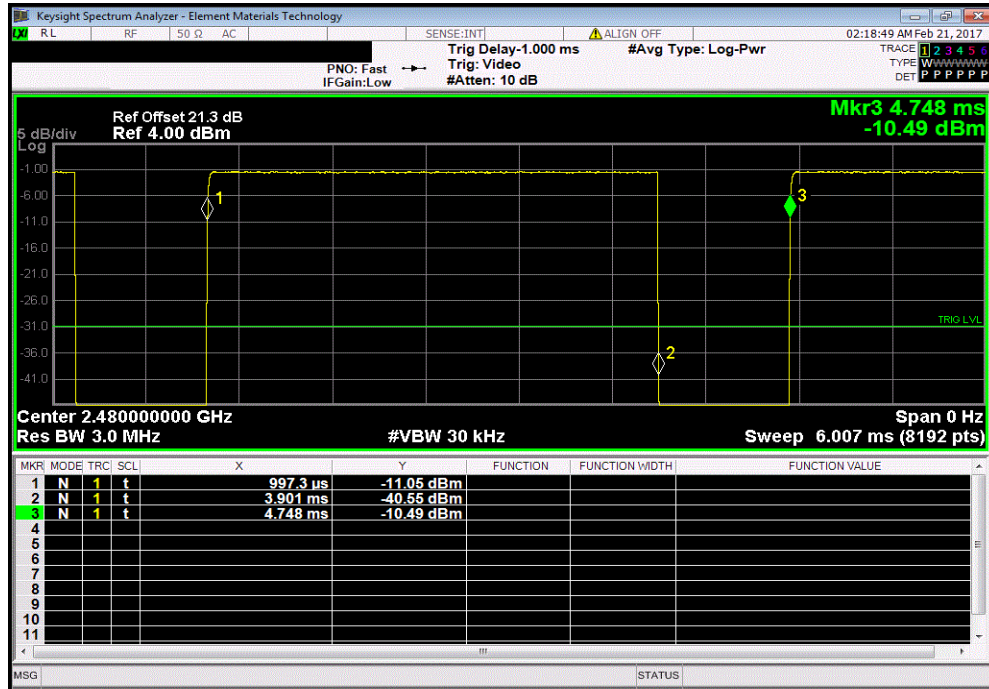


# DUTY CYCLE

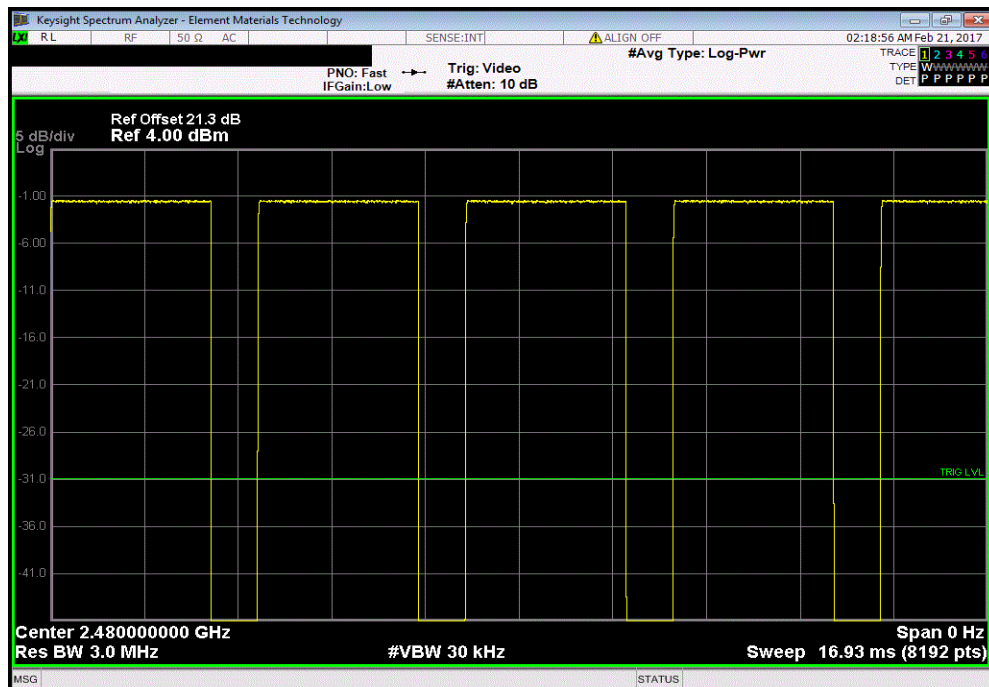


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, High Channel 2480 MHz |         |                  |           |           |         |  |
|----------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                      | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.903 ms                         | 3.75 ms | 1                | 77.4      | N/A       | N/A     |  |



| DH5, GFSK, High Channel 2480 MHz |        |                  |           |           |         |  |
|----------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                      | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                              | N/A    | 5                | N/A       | N/A       | N/A     |  |

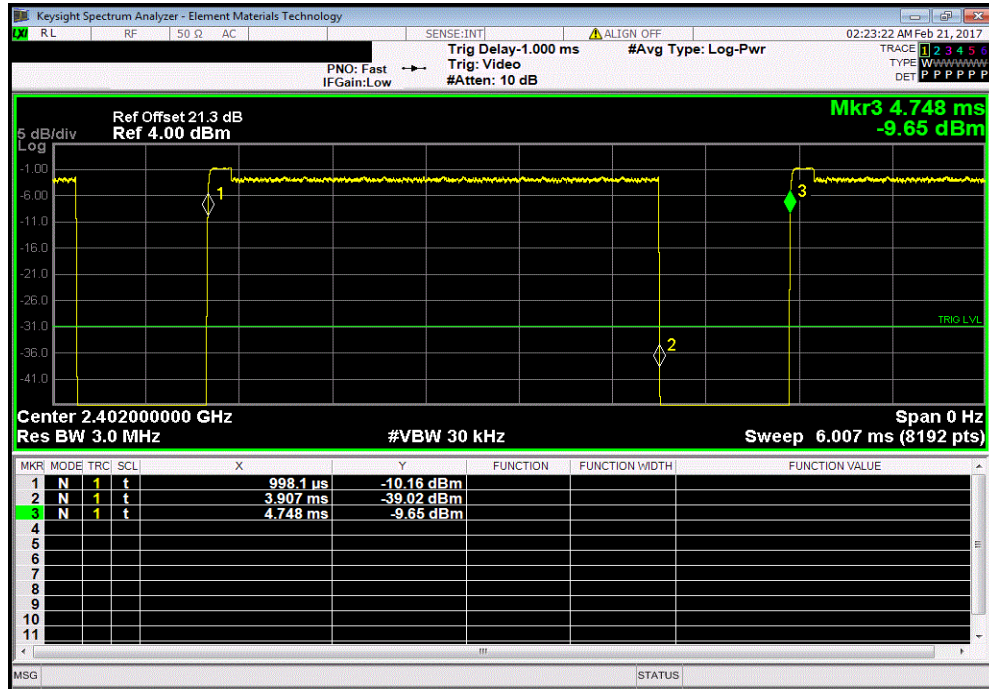


# DUTY CYCLE

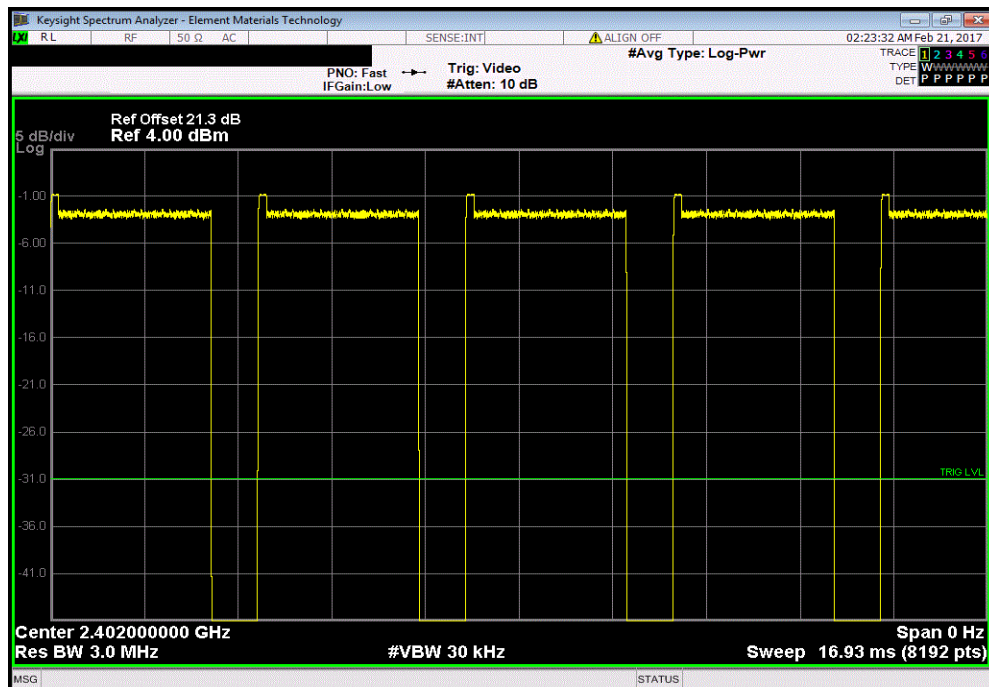


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |         |                  |           |           |         |  |
|----------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                            | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.909 ms                               | 3.75 ms | 1                | 77.6      | N/A       | N/A     |  |



| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |        |                  |           |           |         |  |
|----------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                            | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                    | N/A    | 5                | N/A       | N/A       | N/A     |  |

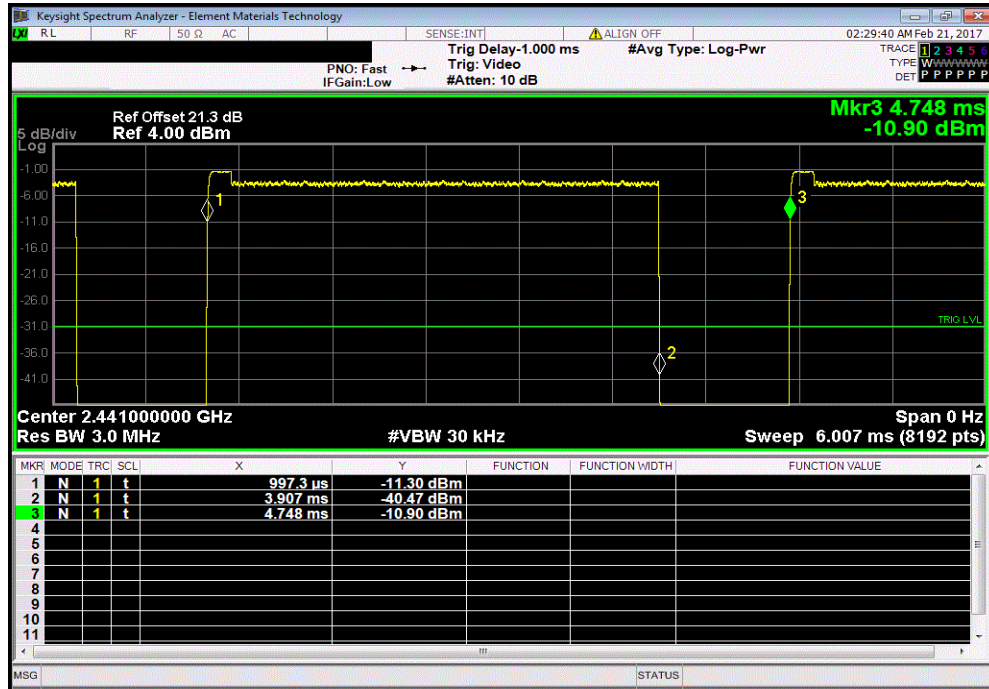


# DUTY CYCLE

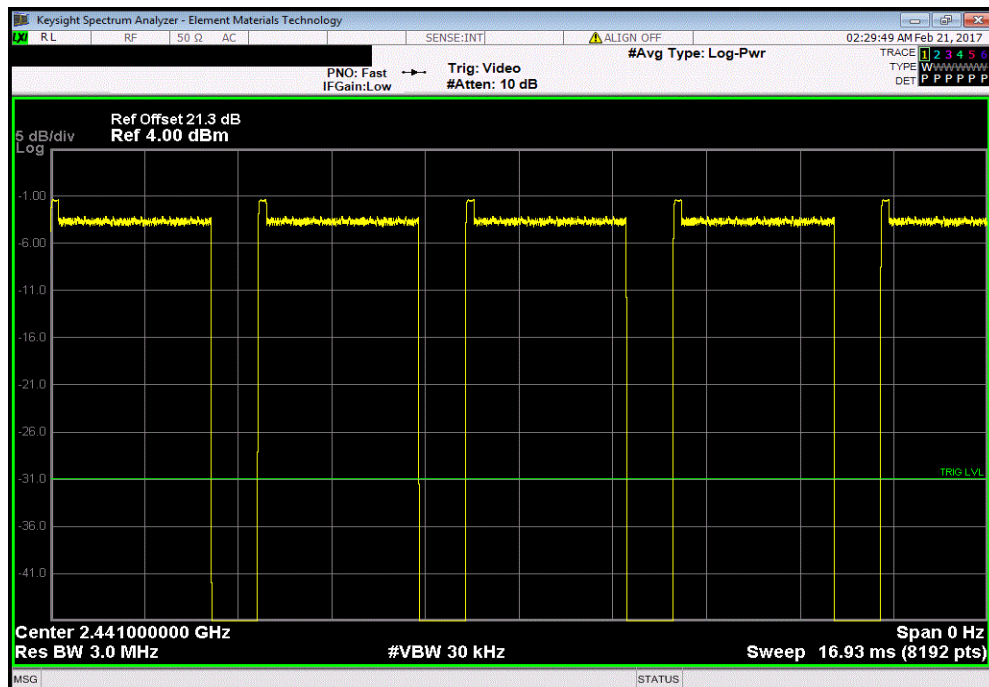


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |         |                  |           |           |         |  |
|----------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                            | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.91 ms                                | 3.75 ms | 1                | 77.6      | N/A       | N/A     |  |



| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |        |                  |           |           |         |  |
|----------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                            | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                    | N/A    | 5                | N/A       | N/A       | N/A     |  |

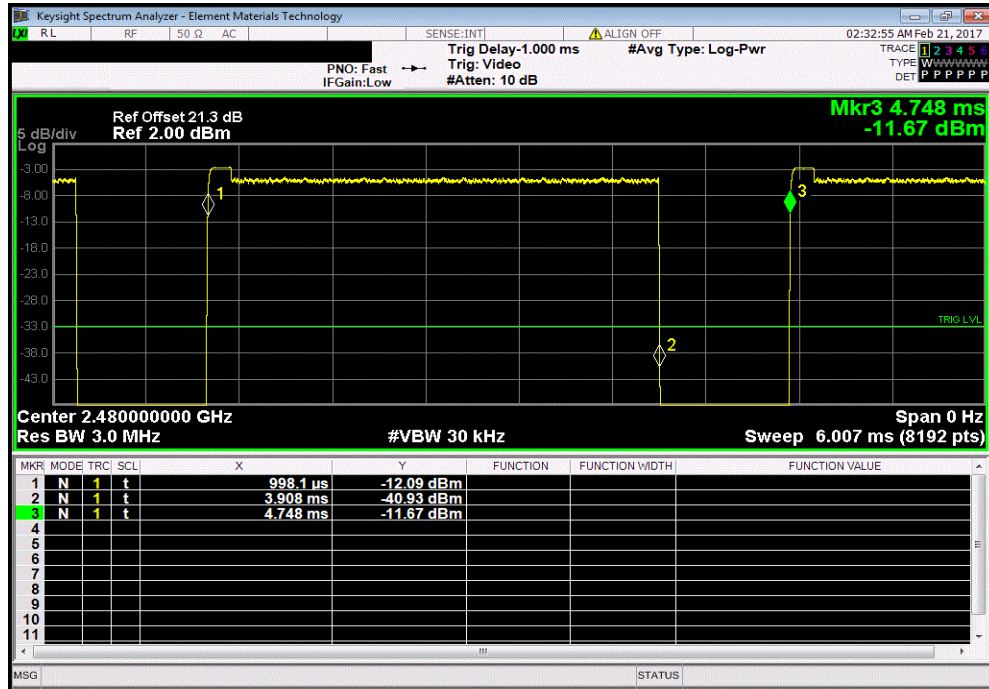


# DUTY CYCLE

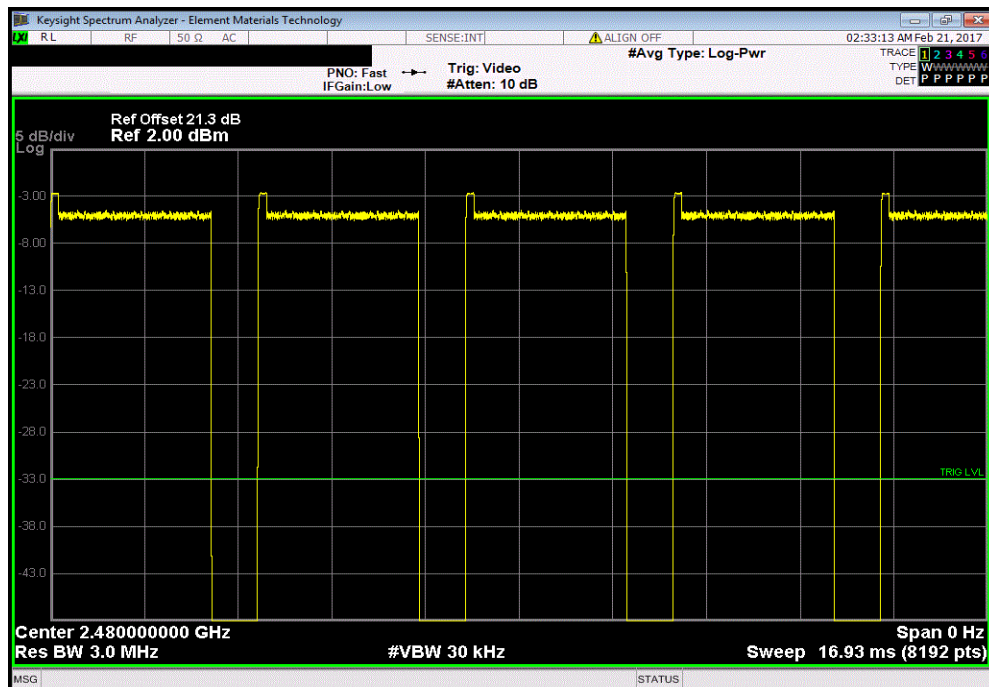


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |         |                  |           |           |         |  |
|-----------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                             | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.91 ms                                 | 3.75 ms | 1                | 77.6      | N/A       | N/A     |  |



| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |        |                  |           |           |         |  |
|-----------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                             | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                     | N/A    | 5                | N/A       | N/A       | N/A     |  |

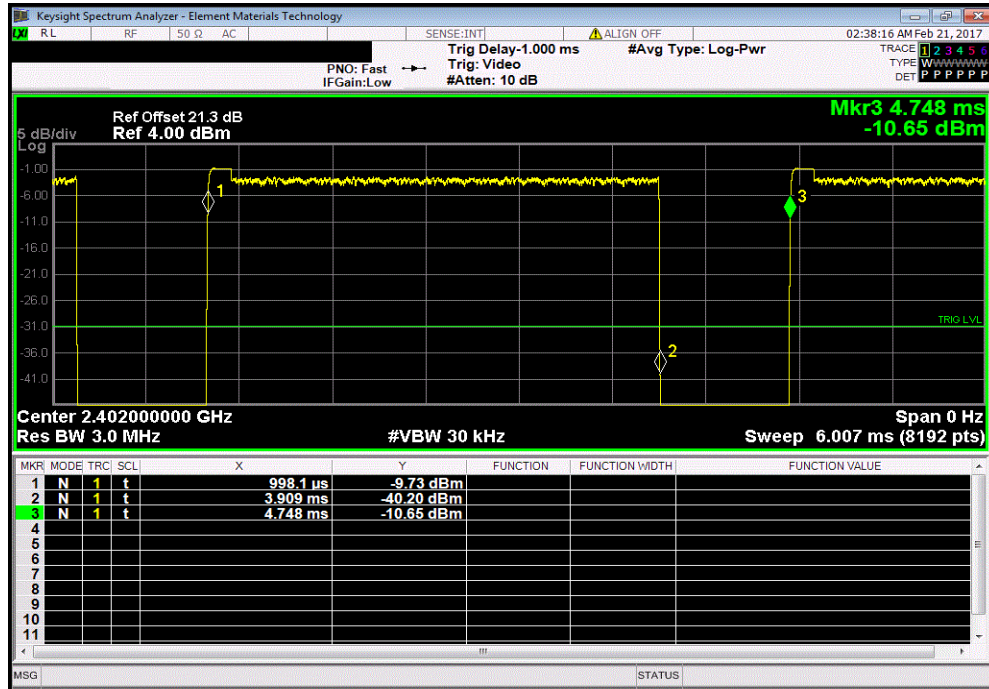


# DUTY CYCLE

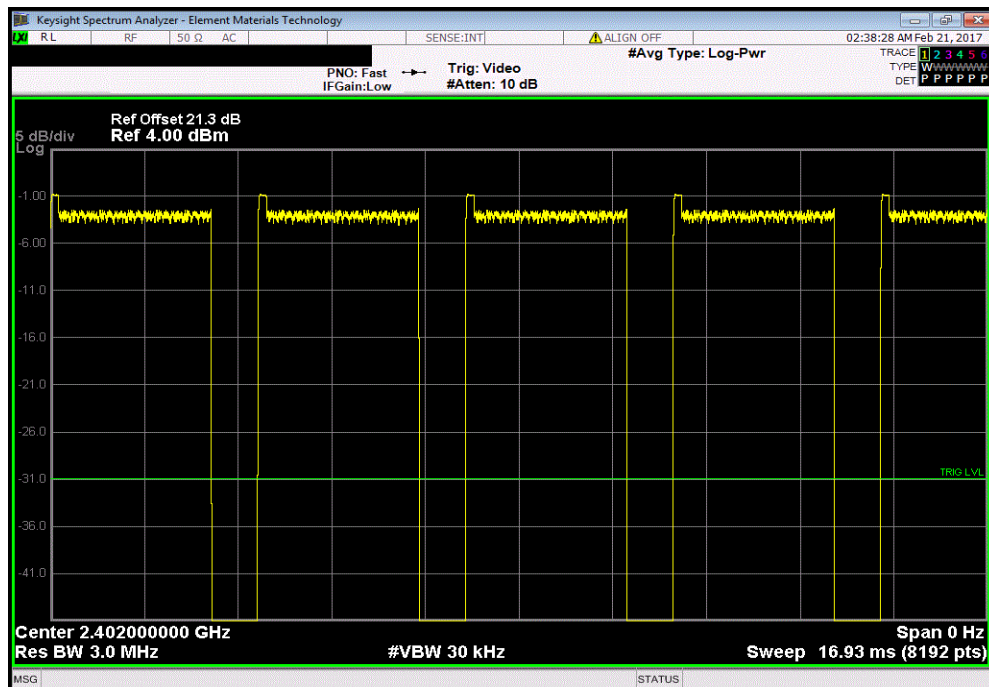


TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, Low Channel 2402 MHz |         |                  |           |           |         |  |
|------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                        | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.911 ms                           | 3.75 ms | 1                | 77.6      | N/A       | N/A     |  |



| 3DH5, 8-DPSK, Low Channel 2402 MHz |        |                  |           |           |         |  |
|------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                        | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                | N/A    | 5                | N/A       | N/A       | N/A     |  |

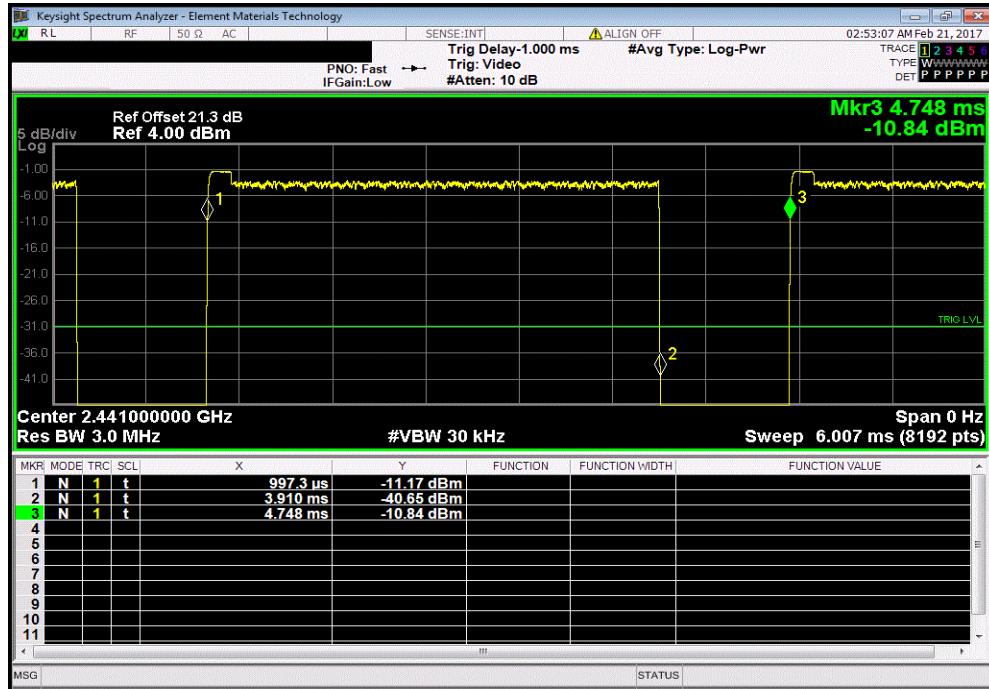


# DUTY CYCLE

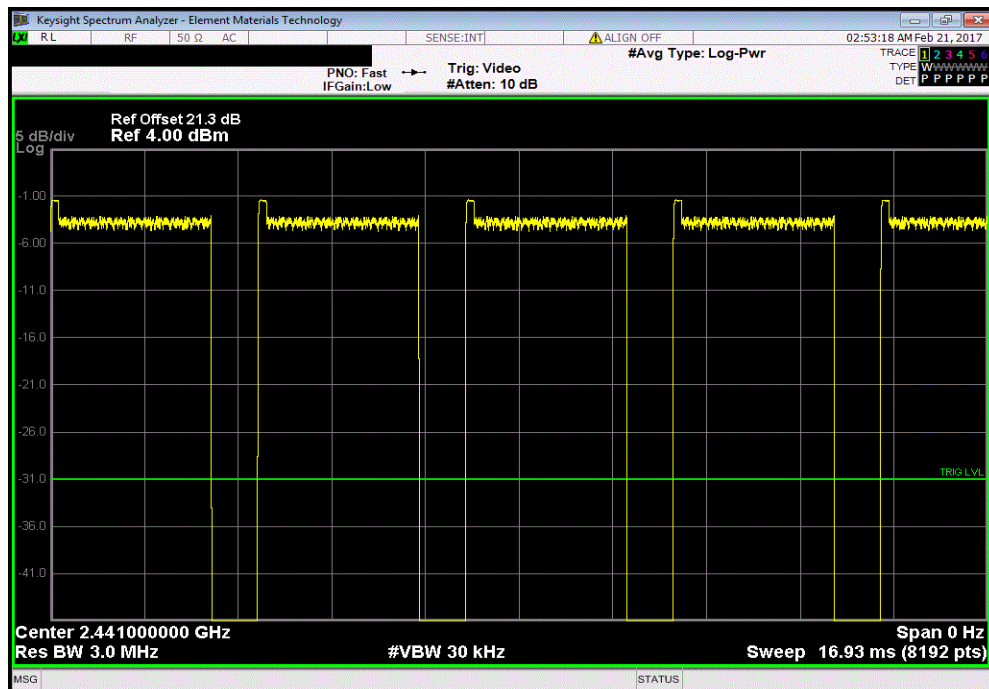


TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, Mid Channel 2441 MHz |         |                  |           |           |         |  |
|------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                        | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.913 ms                           | 3.75 ms | 1                | 77.7      | N/A       | N/A     |  |



| 3DH5, 8-DPSK, Mid Channel 2441 MHz |        |                  |           |           |         |  |
|------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                        | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                | N/A    | 5                | N/A       | N/A       | N/A     |  |

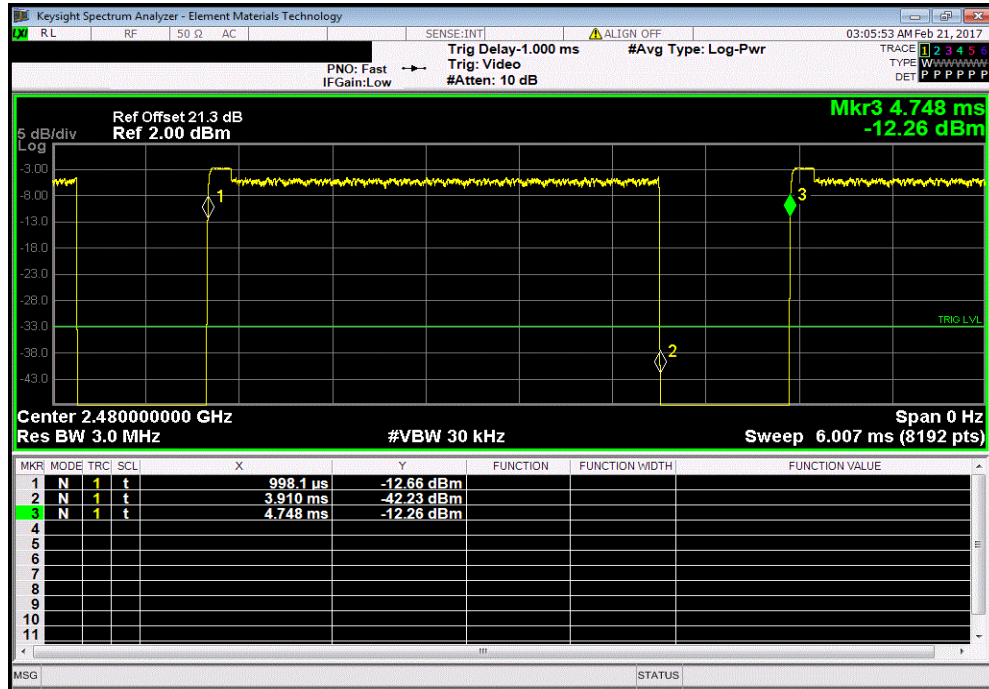


# DUTY CYCLE

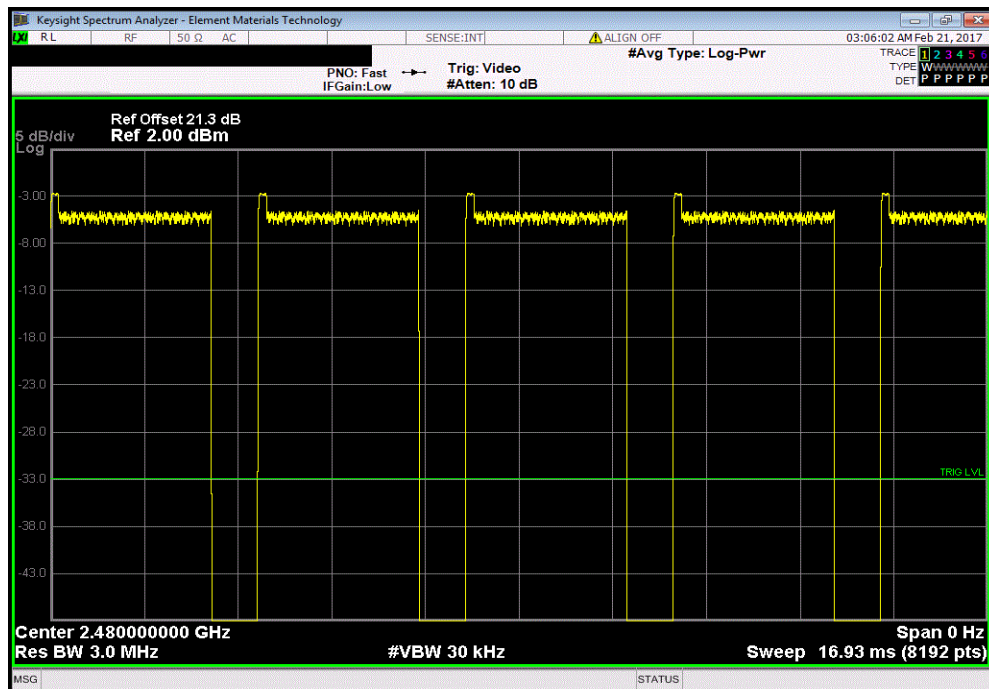


TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, High Channel 2480 MHz |         |                  |           |           |         |  |
|-------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                         | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.912 ms                            | 3.75 ms | 1                | 77.6      | N/A       | N/A     |  |



| 3DH5, 8-DPSK, High Channel 2480 MHz |        |                  |           |           |         |  |
|-------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                         | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                 | N/A    | 5                | N/A       | N/A       | N/A     |  |



# CARRIER FREQUENCY SEPARATION



XMI 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The channel carrier frequencies in the 2400-2483.5MHz band must be separated by 25 kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Or, if the output power is less than 125 mW, the channel separation can be 25 kHz or 2/3 of the 20dB bandwidth. The EUT was operated in pseudorandom hopping mode. The spectrum was scanned across two adjacent peaks. The separation between the peaks of these channels was measured.

# CARRIER FREQUENCY SEPARATION



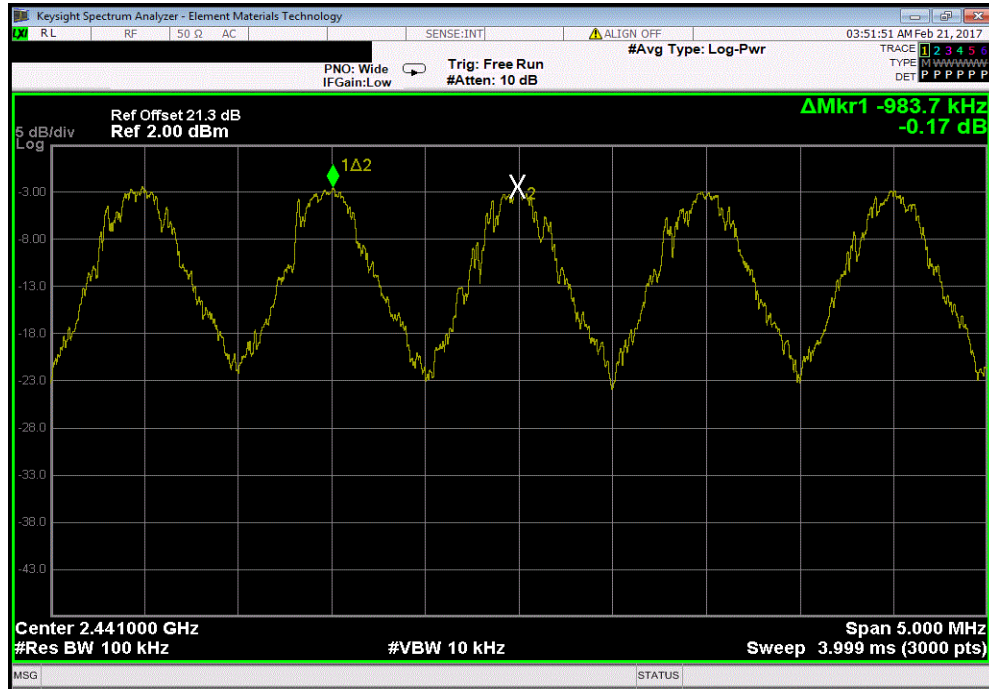
|                                                           |   |                                                                                             |                   |
|-----------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-------------------|
| EUT: KIL02400ABS Rangefinder                              |   | Work Order: SIGS0004                                                                        |                   |
| Serial Number: KIL02400ABS                                |   | Date: 02/20/17                                                                              |                   |
| Customer: Sig Sauer, Inc.<br>Electro-Optics               |   | Temperature: 24.1 °C                                                                        |                   |
| Attendees: Don Cramer                                     |   | Humidity: 38.9% RH                                                                          |                   |
| Project: None                                             |   | Barometric Pres.: 1008 mbar                                                                 |                   |
| Tested by: Brandon Hobbs                                  |   | Power: Battery (3.0VDC)                                                                     |                   |
|                                                           |   | Job Site: EV06                                                                              |                   |
| TEST SPECIFICATIONS                                       |   | Test Method                                                                                 |                   |
| FCC 15.247:2017                                           |   | ANSI C63.10:2013                                                                            |                   |
| COMMENTS                                                  |   |                                                                                             |                   |
| Client provided 3 party software to control radio module. |   |                                                                                             |                   |
| DEVIATIONS FROM TEST STANDARD                             |   |                                                                                             |                   |
| None                                                      |   |                                                                                             |                   |
| Configuration #                                           | 1 | Signature  |                   |
|                                                           |   | Value                                                                                       | Limit (≥) Results |
| Hopping Mode                                              |   |                                                                                             |                   |
| DH5, GFSK                                                 |   |                                                                                             |                   |
| Mid Channel, 2441 MHz                                     |   | 983 kHz                                                                                     | 930 kHz Pass      |

# CARRIER FREQUENCY SEPARATION



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |         |         |         |  |  |  |
|------------------------------------------------|---------|---------|---------|--|--|--|
|                                                | Value   | Limit   | Results |  |  |  |
|                                                |         | (≥)     |         |  |  |  |
|                                                | 983 kHz | 930 kHz | Pass    |  |  |  |



# NUMBER OF HOPPING FREQUENCIES



XMIT 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The number of hopping frequencies was measured across the authorized band. The hopping function of the EUT was enabled.

# NUMBER OF HOPPING FREQUENCIES



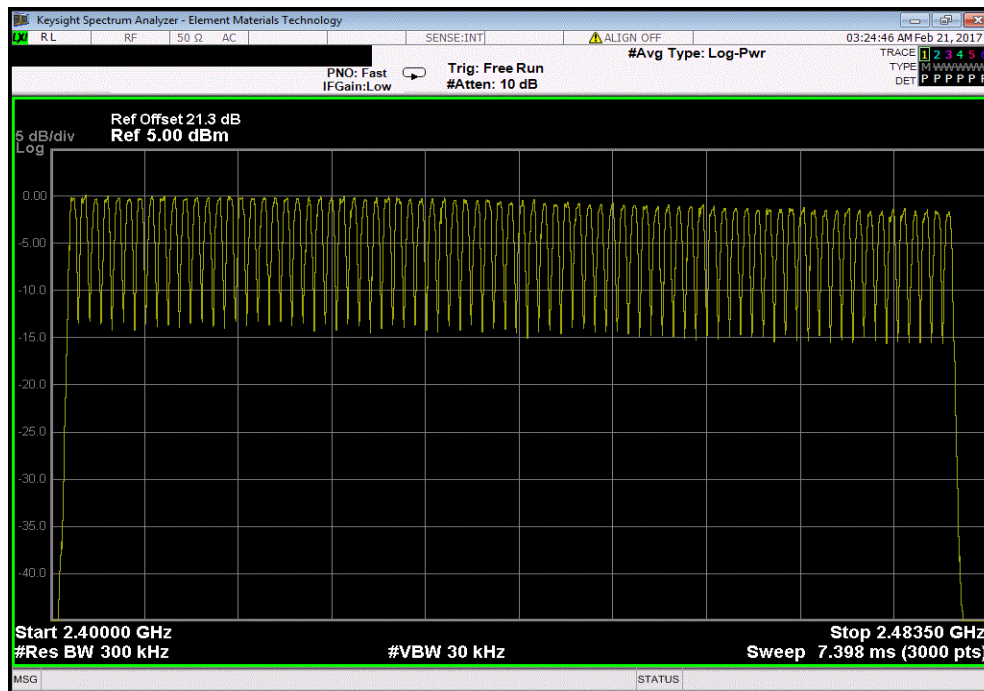
|                                                           |   |                                                                                             |       |
|-----------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-------|
| EUT: KILO2400ABS Rangefinder                              |   | Work Order: SIGS0004                                                                        |       |
| Serial Number: KILO2400ABS                                |   | Date: 02/20/17                                                                              |       |
| Customer: Sig Sauer, Inc.<br>Electro-Optics               |   | Temperature: 24.1 °C                                                                        |       |
| Attendees: Don Cramer                                     |   | Humidity: 38.9% RH                                                                          |       |
| Project: None                                             |   | Barometric Pres.: 1008 mbar                                                                 |       |
| Tested by: Brandon Hobbs                                  |   | Power: Battery (3.0VDC)                                                                     |       |
|                                                           |   | Job Site: EV06                                                                              |       |
| TEST SPECIFICATIONS                                       |   | Test Method                                                                                 |       |
| FCC 15.247:2017                                           |   | ANSI C63.10:2013                                                                            |       |
| COMMENTS                                                  |   |                                                                                             |       |
| Client provided 3 party software to control radio module. |   |                                                                                             |       |
| DEVIATIONS FROM TEST STANDARD                             |   |                                                                                             |       |
| None                                                      |   |                                                                                             |       |
| Configuration #                                           | 1 | Signature  |       |
|                                                           |   | Number of Channels                                                                          | Limit |
|                                                           |   | Results                                                                                     |       |
| Hopping Mode                                              |   |                                                                                             |       |
| DH5, GFSK                                                 |   |                                                                                             |       |
| Mid Channel, 2441 MHz                                     |   | 79                                                                                          | 15    |
|                                                           |   |                                                                                             | Pass  |

# NUMBER OF HOPPING FREQUENCIES



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |  |  |  |                    |       |         |
|------------------------------------------------|--|--|--|--------------------|-------|---------|
|                                                |  |  |  | Number of Channels | Limit | Results |
|                                                |  |  |  | 79                 | 15    | Pass    |



# DWELL TIME



XMI 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The average dwell time per hopping channel was measured at one hopping channel in the middle of the authorized band. The hopping function of the EUT was enabled.

The dwell time limit is based on the Number of Hopping Channels \* 400 mS. For Bluetooth this would be 79 Channels \* 400mS = 31.6 Sec.

On Time During 31.6 Sec = Pulse Width \* Average Number of Pulses \* Scale Factor

➤ Average Number of Pulses is based on 4 samples.

➤ Scale Factor = 31.6 Sec / Screen Capture Sweep Time = 31.6 Sec / 6.32 Sec = 5

# DWELL TIME



TstTx 2017.01.27 XMI 2017.01.26

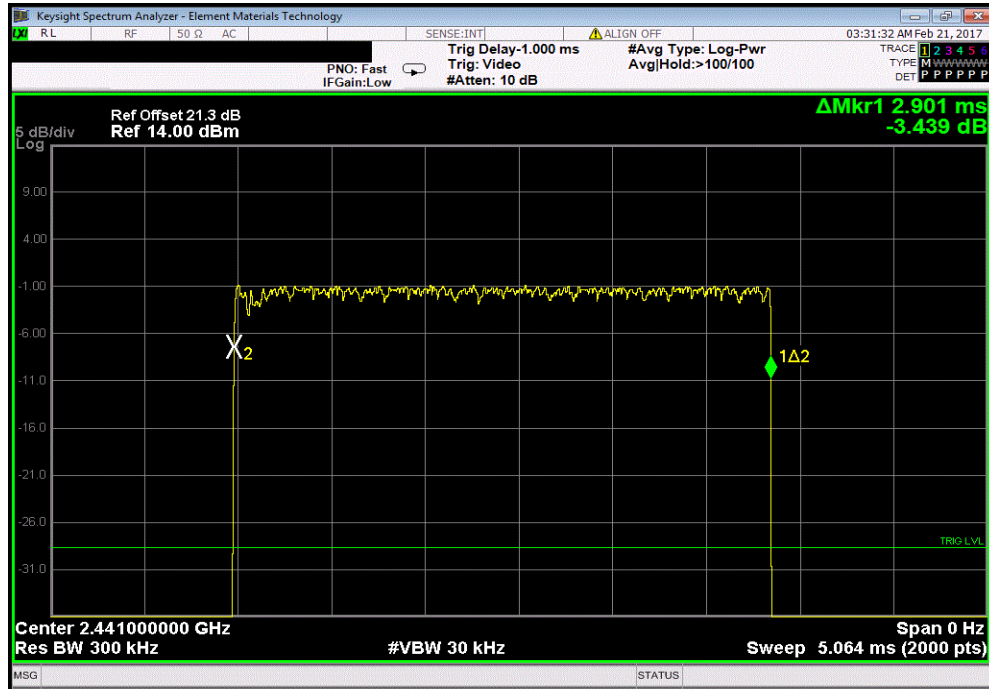
|                                                           |                       |                                    |                         |
|-----------------------------------------------------------|-----------------------|------------------------------------|-------------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |                       | <b>Work Order:</b> SIGS0004        |                         |
| <b>Serial Number:</b> KILO2400ABS                         |                       | <b>Date:</b> 02/20/17              |                         |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |                       | <b>Temperature:</b> 24.1 °C        |                         |
| <b>Attendees:</b> Don Cramer                              |                       | <b>Humidity:</b> 38.8% RH          |                         |
| <b>Project:</b> None                                      |                       | <b>Barometric Pres.:</b> 1008 mbar |                         |
| <b>Tested by:</b> Brandon Hobbs                           |                       | <b>Power:</b> Battery (3.0VDC)     |                         |
|                                                           |                       | <b>Job Site:</b> EV06              |                         |
| <b>TEST SPECIFICATIONS</b>                                |                       | <b>Test Method</b>                 |                         |
| FCC 15.247:2017                                           |                       | ANSI C63.10:2013                   |                         |
| <b>COMMENTS</b>                                           |                       |                                    |                         |
| Client provided 3 party software to control radio module. |                       |                                    |                         |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |                       |                                    |                         |
| None                                                      |                       |                                    |                         |
| <b>Configuration #</b>                                    | 1                     | <i>Signature</i>                   |                         |
|                                                           |                       | <b>Pulse Width (ms)</b>            | <b>Number of Pulses</b> |
|                                                           |                       | <b>Average No. of Pulses</b>       | <b>Scale Factor</b>     |
|                                                           |                       | <b>On Time (ms) During 31.6 s</b>  | <b>Limit (ms)</b>       |
|                                                           |                       |                                    | <b>Results</b>          |
| <b>Hopping Mode</b>                                       |                       |                                    |                         |
| DH5, GFSK                                                 |                       |                                    |                         |
|                                                           | Mid Channel, 2441 MHz | 2.901                              | N/A                     |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 26                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 17                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 24                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 23                      |
|                                                           | Mid Channel, 2441 MHz | 2.901                              | N/A                     |
|                                                           |                       |                                    | 22.5                    |
|                                                           |                       |                                    | 5                       |
|                                                           |                       |                                    | 326.36                  |
|                                                           |                       |                                    | 400                     |
|                                                           |                       |                                    | Pass                    |
| 2DH5, pi/4-DQPSK                                          |                       |                                    |                         |
|                                                           | Mid Channel, 2441 MHz | 2.907                              | N/A                     |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 17                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 29                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 17                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 18                      |
|                                                           | Mid Channel, 2441 MHz | 2.907                              | N/A                     |
|                                                           |                       |                                    | 20.25                   |
|                                                           |                       |                                    | 5                       |
|                                                           |                       |                                    | 294.33                  |
|                                                           |                       |                                    | 400                     |
|                                                           |                       |                                    | Pass                    |
| 3DH5, 8-DPSK                                              |                       |                                    |                         |
|                                                           | Mid Channel, 2441 MHz | 2.916                              | N/A                     |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 28                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 24                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 21                      |
|                                                           | Mid Channel, 2441 MHz | N/A                                | 24                      |
|                                                           | Mid Channel, 2441 MHz | 2.916                              | N/A                     |
|                                                           |                       |                                    | 24.25                   |
|                                                           |                       |                                    | 5                       |
|                                                           |                       |                                    | 353.56                  |
|                                                           |                       |                                    | 400                     |
|                                                           |                       |                                    | Pass                    |

# DWELL TIME

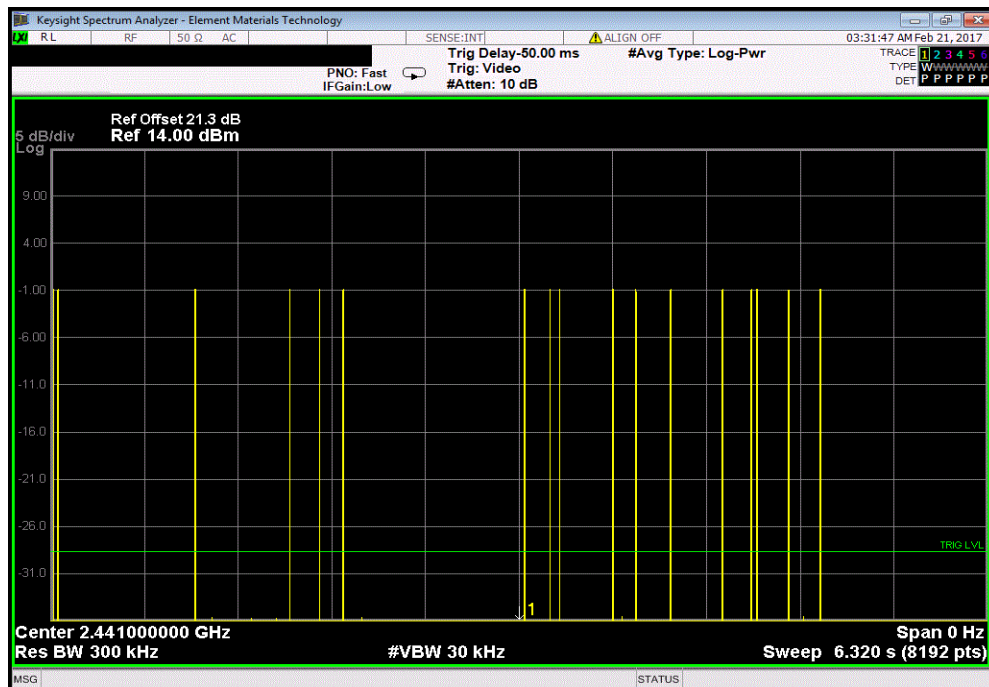


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| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.901                                          | N/A              | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                            | 26               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

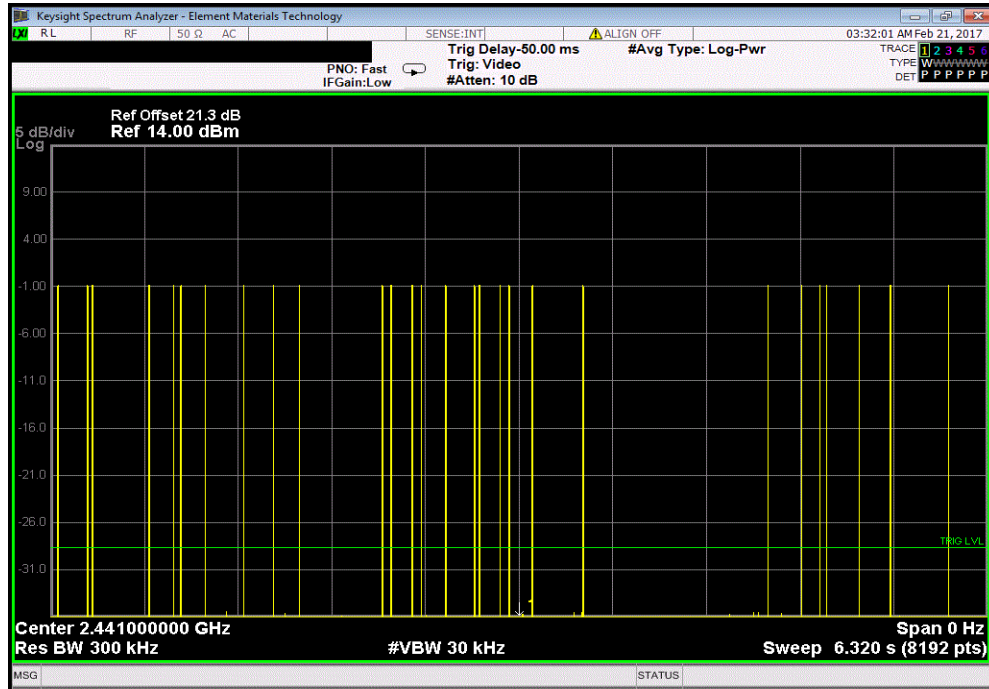


# DWELL TIME

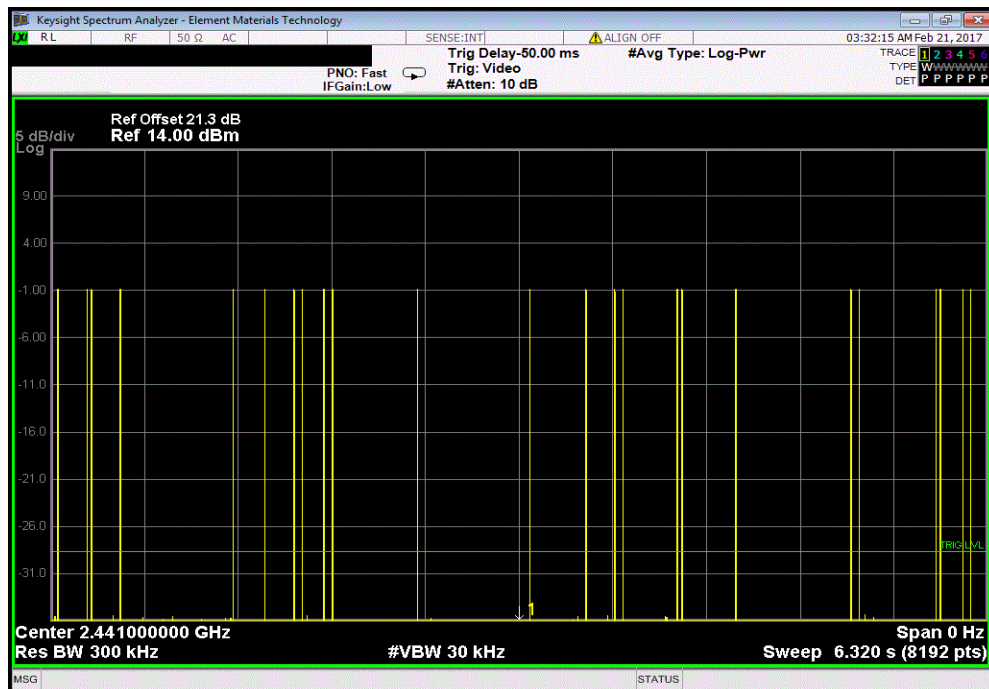


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                            | 17               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                            | 24               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

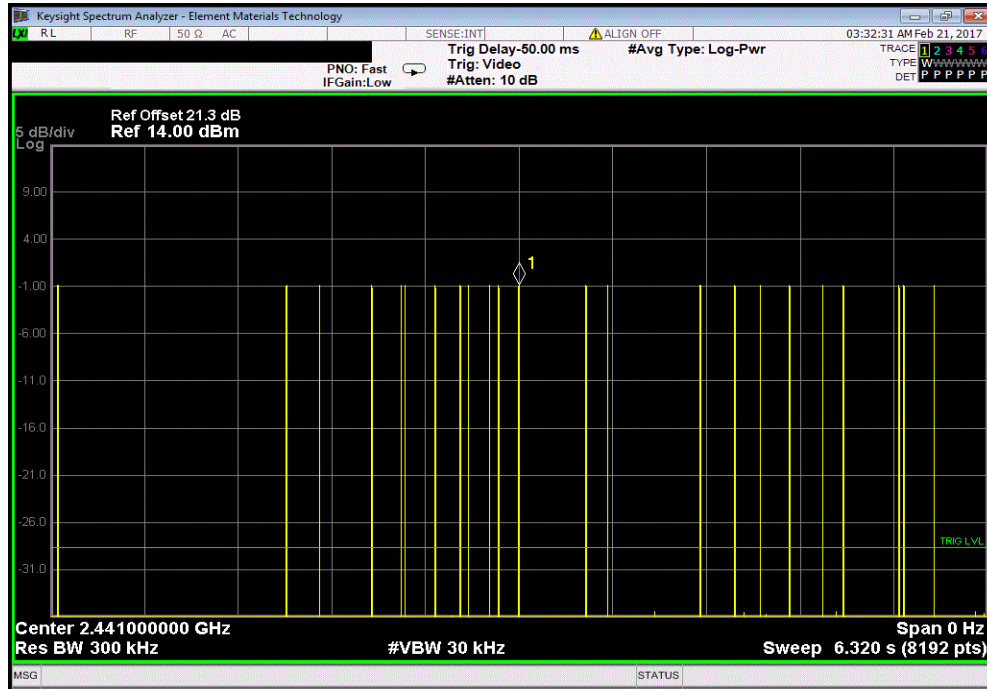


# DWELL TIME



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                            | 23               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.901                                          | N/A              | 22.5                  | 5            | 326.36                     | 400        | Pass    |

Calculation Only

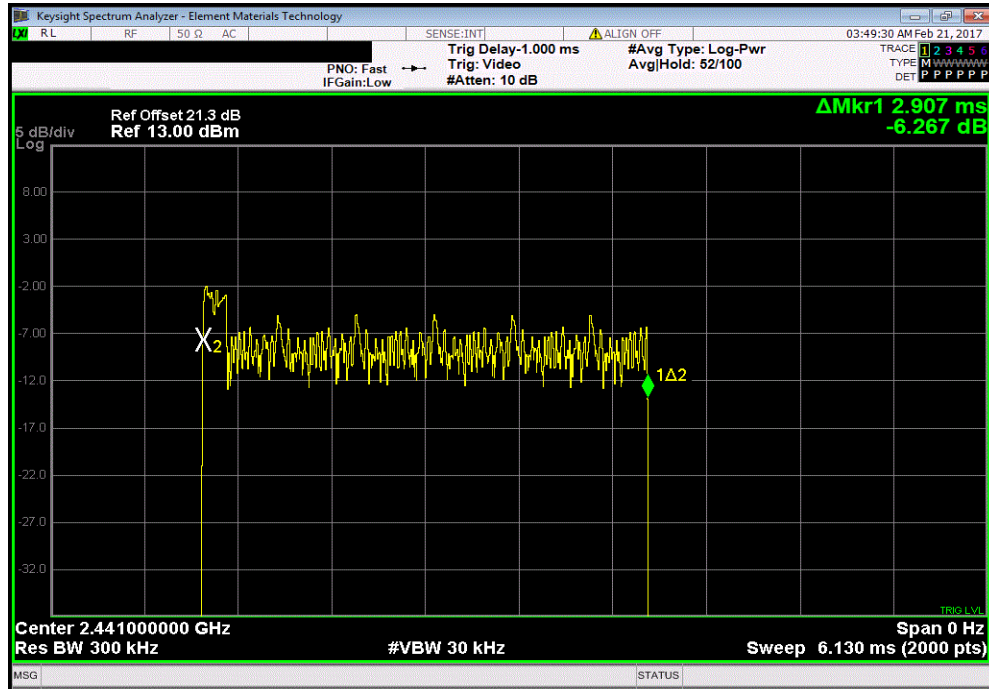
No Screen Capture Required

# DWELL TIME

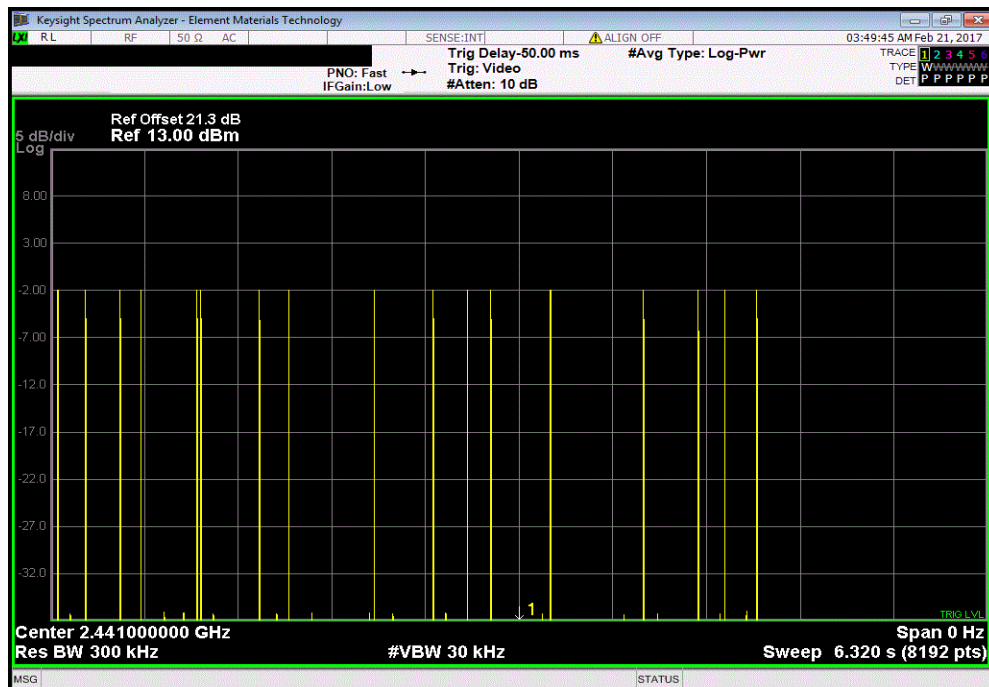


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.907                                                 | N/A              | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                                   | 17               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

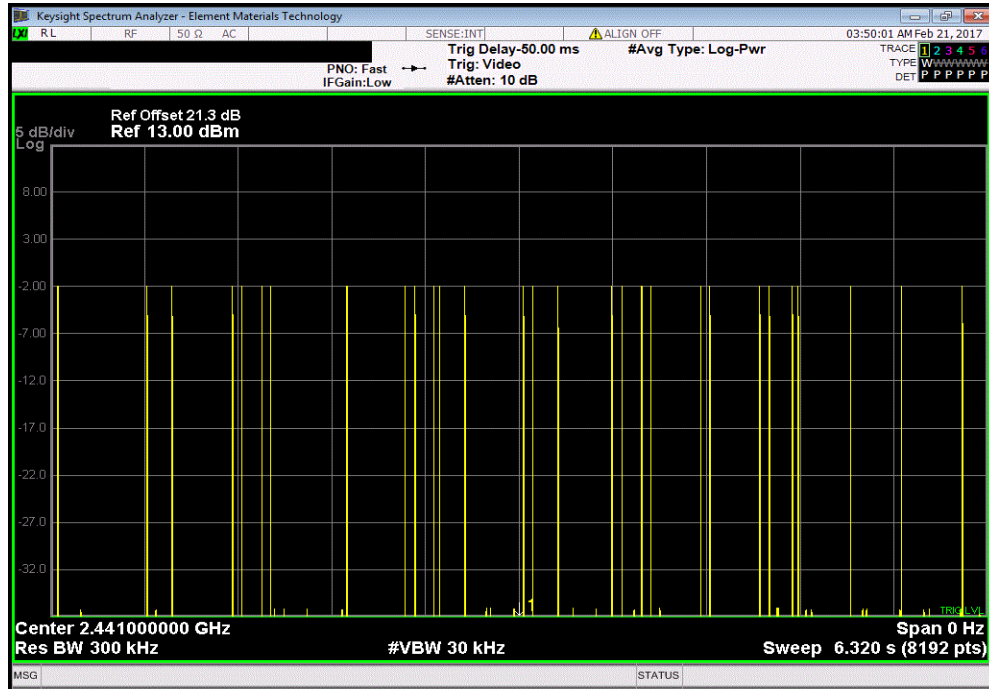


# DWELL TIME

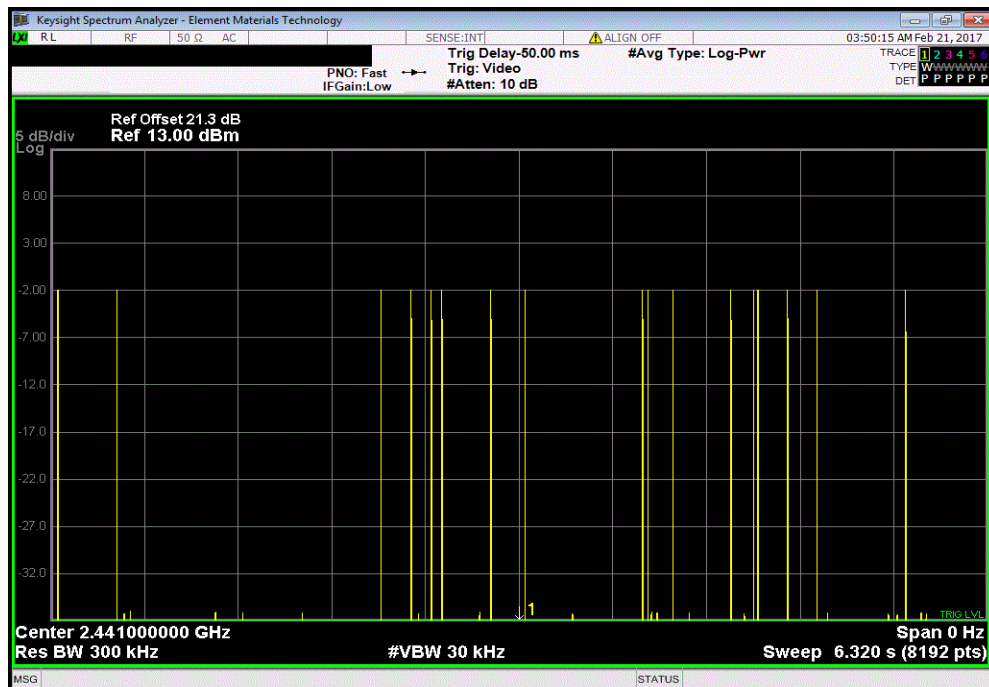


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                                   | 29               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                                   | 17               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

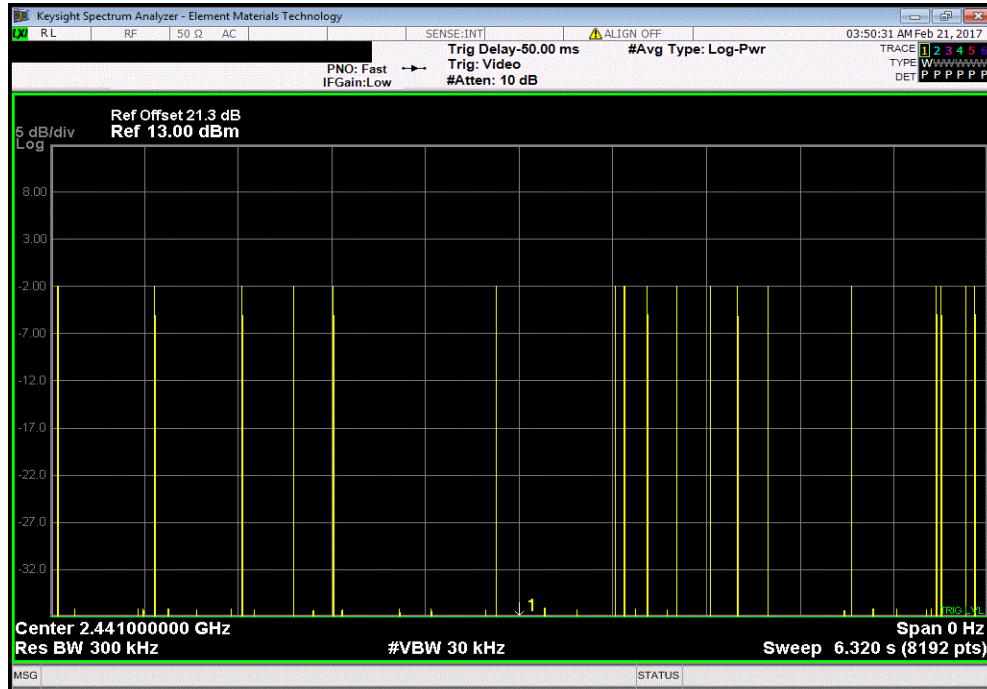


# DWELL TIME



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                                   | 18               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|-------------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                      | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.907                                                 | N/A              | 20.25                 | 5            | 294.33                     | 400        | Pass    |

Calculation Only

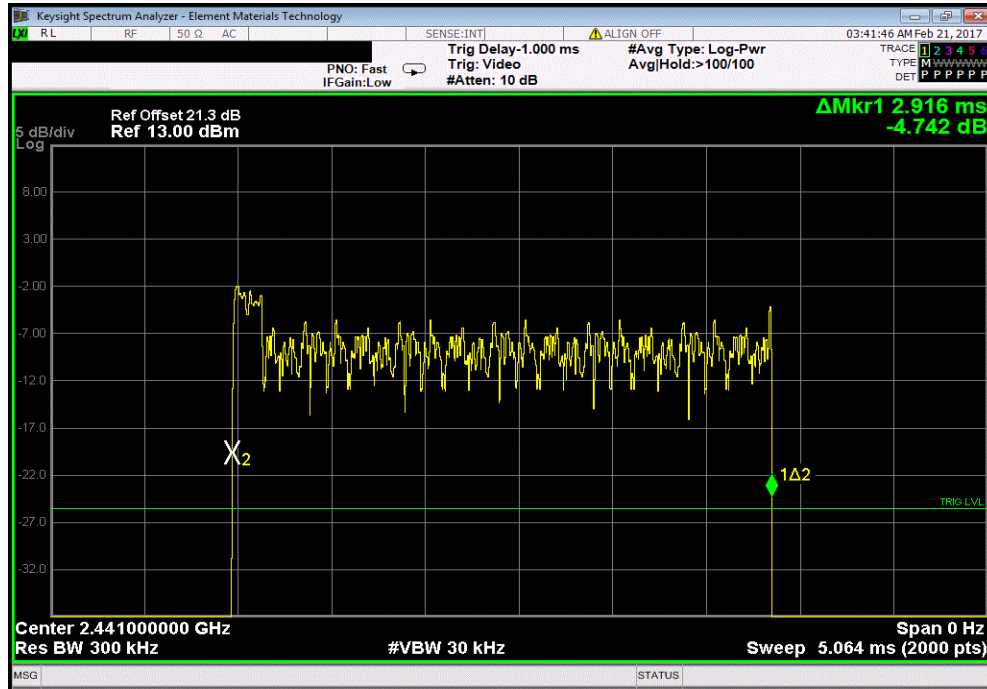
No Screen Capture Required

# DWELL TIME

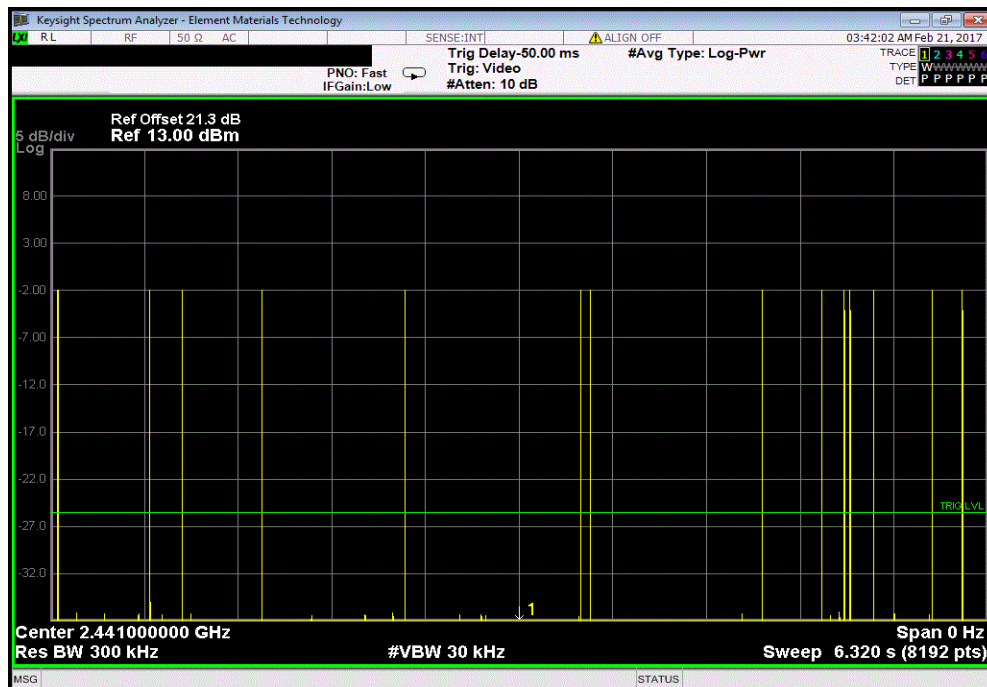


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.916                                             | N/A              | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 28               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

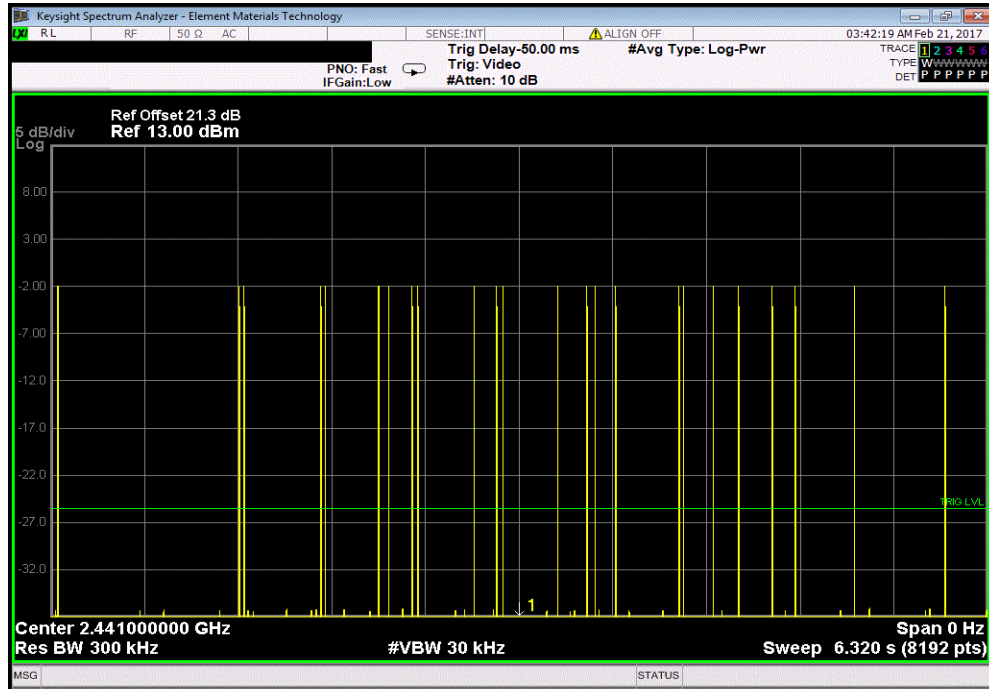


# DWELL TIME

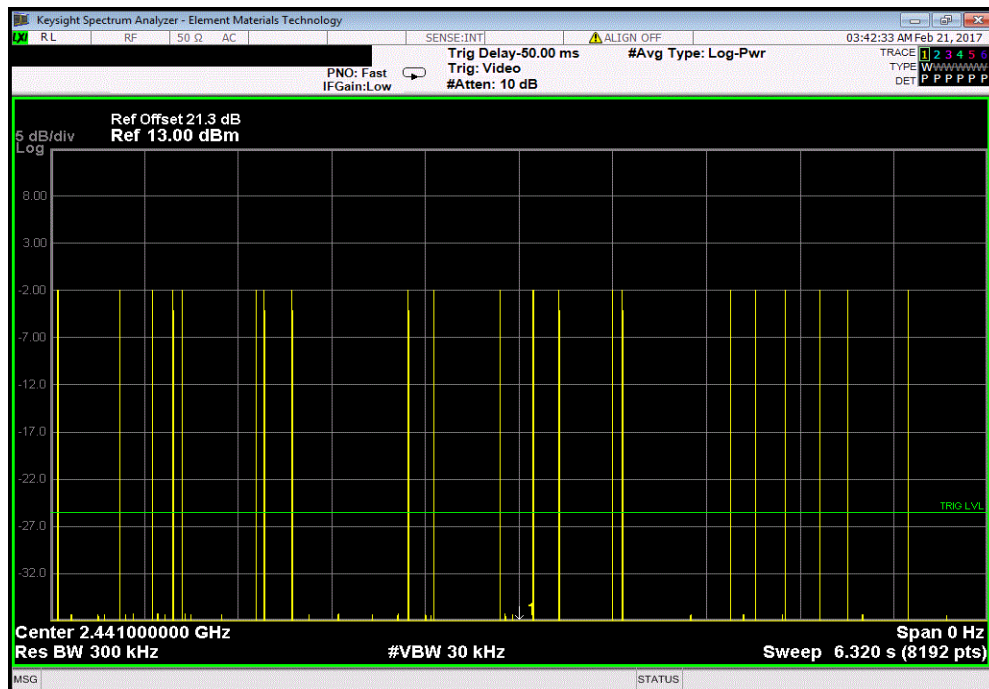


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 24               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 21               | N/A                   | N/A          | N/A                        | N/A        | N/A     |

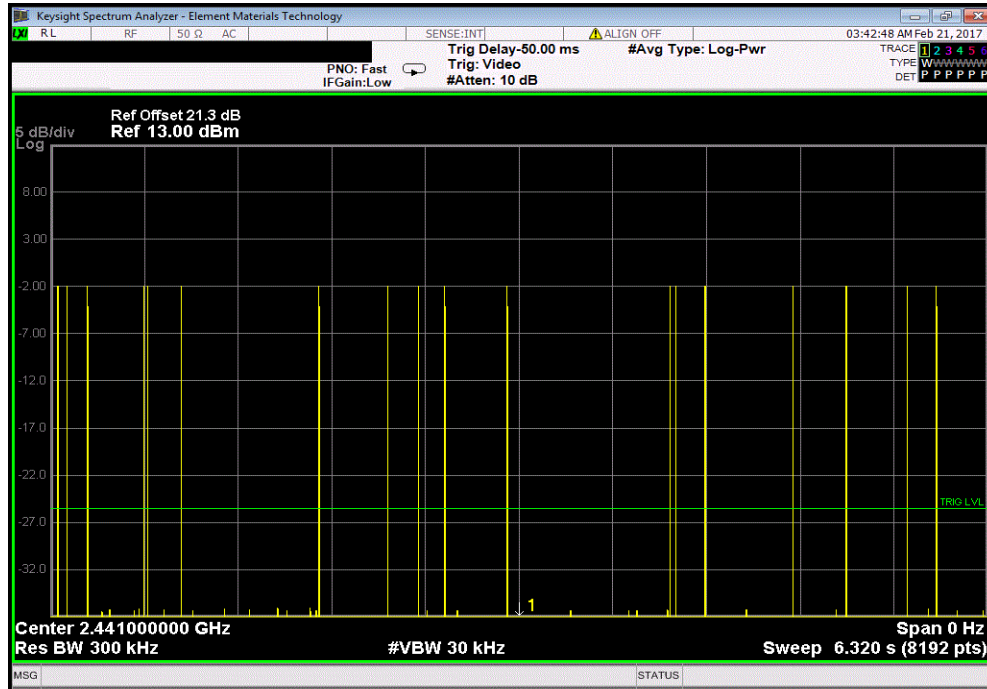


# DWELL TIME



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 24               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2441 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.916                                             | N/A              | 24.25                 | 5            | 353.56                     | 400        | Pass    |

Calculation Only

No Screen Capture Required

# OUTPUT POWER



XMIT 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The peak output power was measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting in a no hop mode at the data rate(s) listed in the datasheet.

The method found in ANSI C63.10:2013 Section 7.8.5 was used for a FHSS radio.

**De Facto EIRP Limit:** The EUT meets the de facto EIRP limit of +27dBm.

# OUTPUT POWER



TbTx 2017.01.27 XMt 2017.01.26

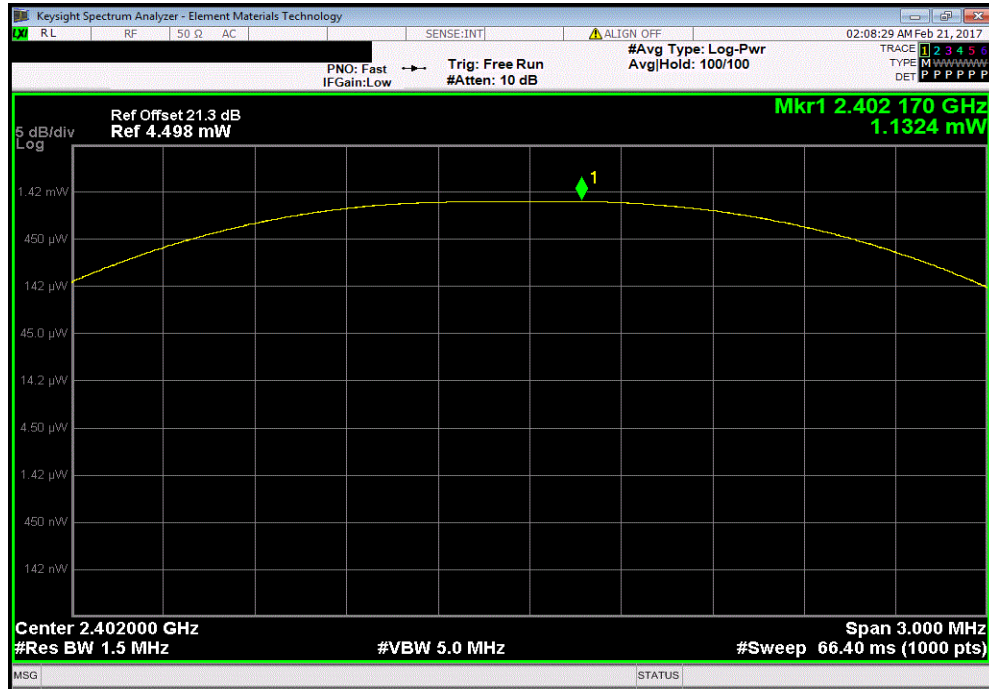
|                                                           |                       |                                    |                     |
|-----------------------------------------------------------|-----------------------|------------------------------------|---------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |                       | <b>Work Order:</b> SIGS0004        |                     |
| <b>Serial Number:</b> KILO2400ABS                         |                       | <b>Date:</b> 02/20/17              |                     |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |                       | <b>Temperature:</b> 24.2 °C        |                     |
| <b>Attendees:</b> Don Cramer                              |                       | <b>Humidity:</b> 38.7% RH          |                     |
| <b>Project:</b> None                                      |                       | <b>Barometric Pres.:</b> 1008 mbar |                     |
| <b>Tested by:</b> Brandon Hobbs                           |                       | <b>Power:</b> Battery (3.0VDC)     |                     |
|                                                           |                       | <b>Job Site:</b> EV06              |                     |
| <b>TEST SPECIFICATIONS</b>                                |                       | <b>Test Method</b>                 |                     |
| FCC 15.247:2017                                           |                       | ANSI C63.10:2013                   |                     |
| <b>COMMENTS</b>                                           |                       |                                    |                     |
| Client provided 3 party software to control radio module. |                       |                                    |                     |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |                       |                                    |                     |
| None                                                      |                       |                                    |                     |
| <b>Configuration #</b>                                    | 1                     | <i>Signature</i>                   |                     |
|                                                           |                       | <b>Value</b>                       | <b>Limit (&lt;)</b> |
| <b>DH5, GFSK</b>                                          |                       |                                    |                     |
|                                                           | Low Channel 2402 MHz  | 1.132 mW                           | 125 mW              |
|                                                           | Mid Channel 2441 MHz  | 967.27 uW                          | 125 mW              |
|                                                           | High Channel 2480 MHz | 770.09 uW                          | 125 mW              |
| <b>2DH5, pi/4-DQPSK</b>                                   |                       |                                    |                     |
|                                                           | Low Channel 2402 MHz  | 894.02 uW                          | 125 mW              |
|                                                           | Mid Channel 2441 MHz  | 792.42 uW                          | 125 mW              |
|                                                           | High Channel 2480 MHz | 597.1 uW                           | 125 mW              |
| <b>3DH5, 8-DPSK</b>                                       |                       |                                    |                     |
|                                                           | Low Channel 2402 MHz  | 923.74 uW                          | 125 mW              |
|                                                           | Mid Channel 2441 MHz  | 819.7 uW                           | 125 mW              |
|                                                           | High Channel 2480 MHz | 619.75 uW                          | 125 mW              |
|                                                           |                       |                                    | <b>Result</b>       |
|                                                           |                       |                                    | Pass                |
|                                                           |                       |                                    | Pass                |
|                                                           |                       |                                    | Pass                |
|                                                           |                       |                                    | Pass                |
|                                                           |                       |                                    | Pass                |
|                                                           |                       |                                    | Pass                |

# OUTPUT POWER

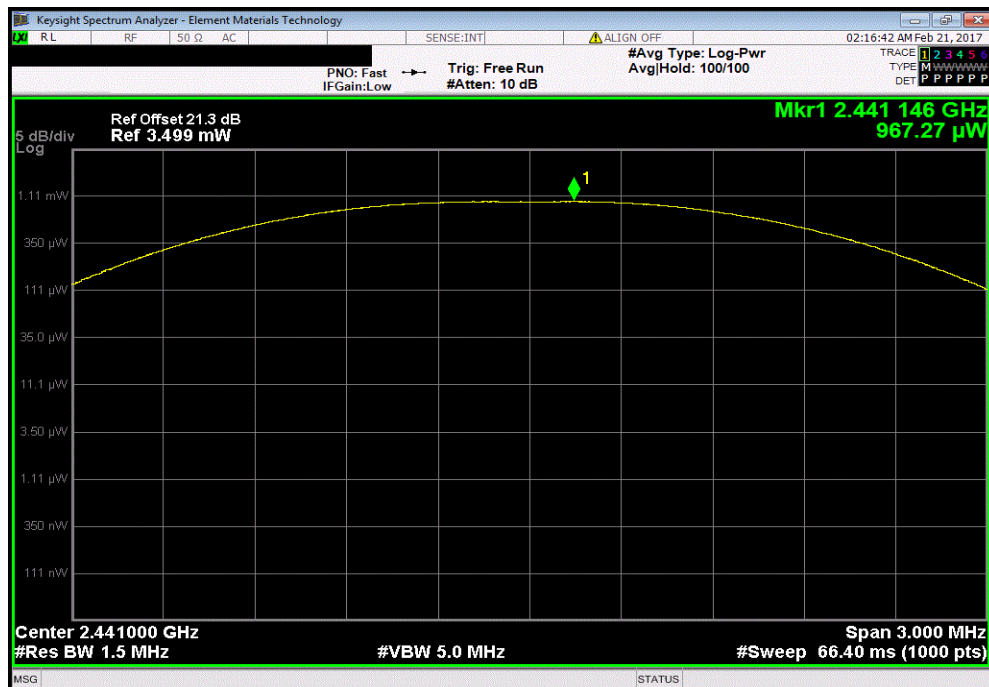


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| DH5, GFSK, Low Channel 2402 MHz |  |  |  |          |           |        |
|---------------------------------|--|--|--|----------|-----------|--------|
|                                 |  |  |  | Value    | Limit (<) | Result |
|                                 |  |  |  | 1.132 mW | 125 mW    | Pass   |



| DH5, GFSK, Mid Channel 2441 MHz |  |  |  |                |           |        |
|---------------------------------|--|--|--|----------------|-----------|--------|
|                                 |  |  |  | Value          | Limit (<) | Result |
|                                 |  |  |  | 967.27 $\mu$ W | 125 mW    | Pass   |

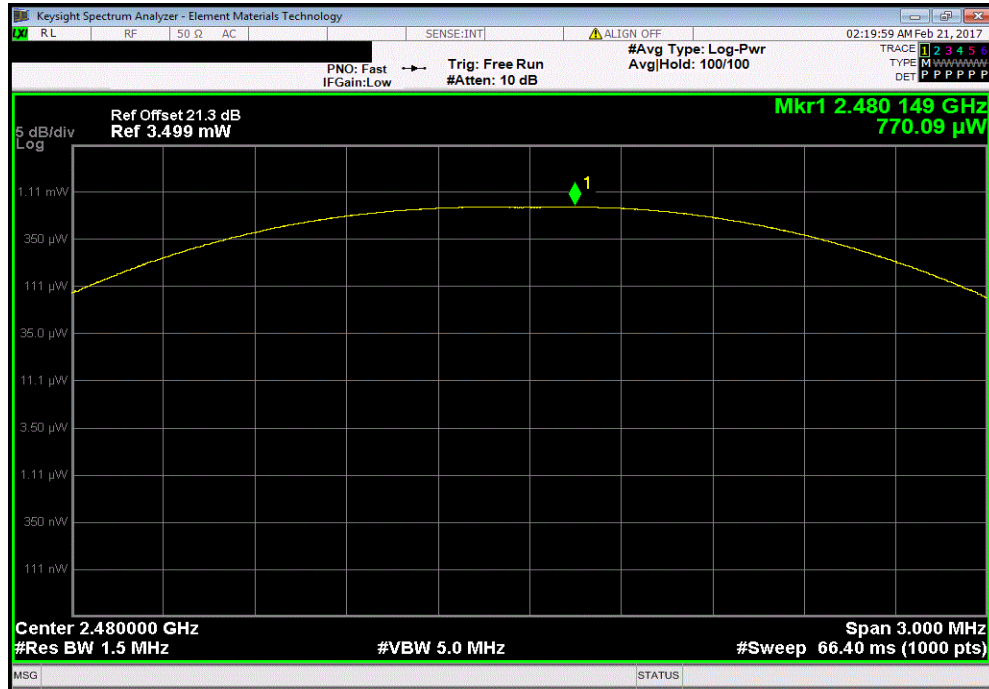


# OUTPUT POWER

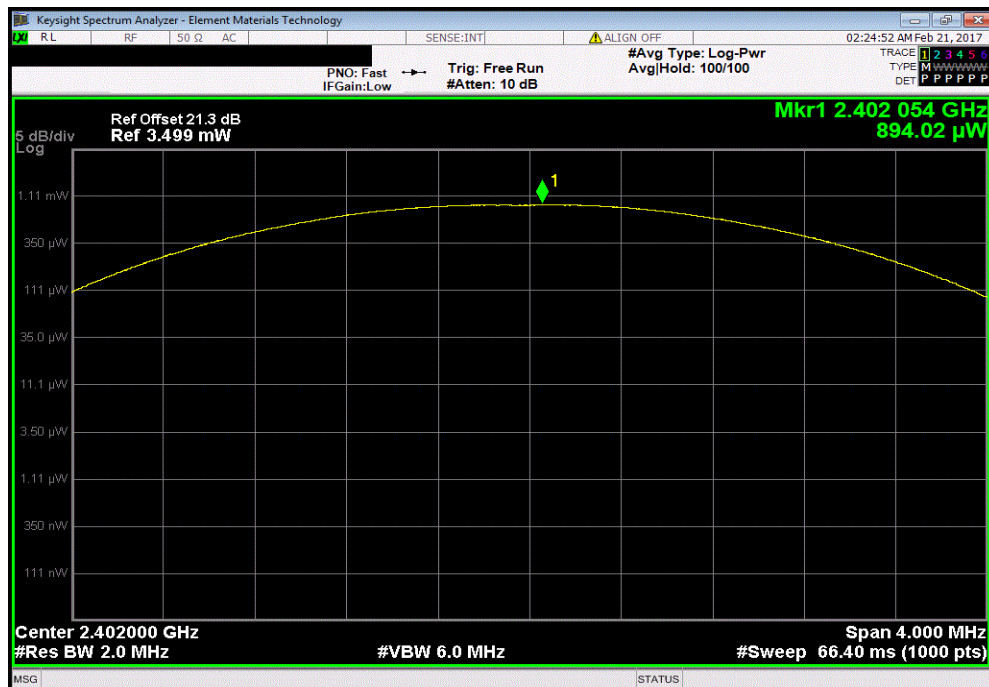


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, High Channel 2480 MHz |  |  |  |           |           |        |
|----------------------------------|--|--|--|-----------|-----------|--------|
|                                  |  |  |  | Value     | Limit (<) | Result |
|                                  |  |  |  | 770.09 uW | 125 mW    | Pass   |



| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |  |  |  |           |           |        |
|----------------------------------------|--|--|--|-----------|-----------|--------|
|                                        |  |  |  | Value     | Limit (<) | Result |
|                                        |  |  |  | 894.02 uW | 125 mW    | Pass   |

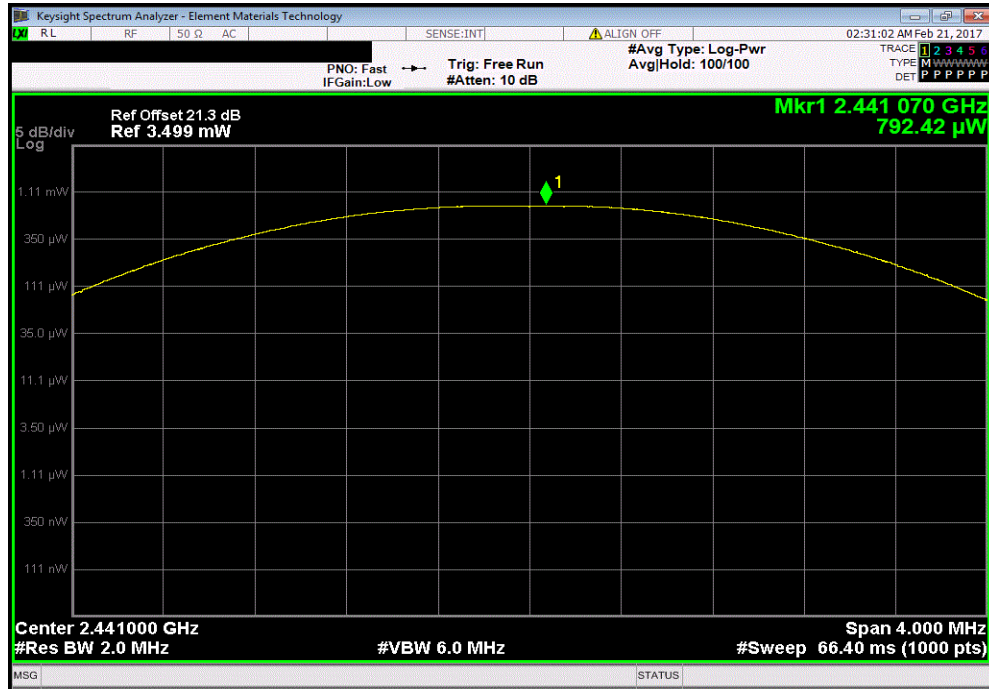


# OUTPUT POWER

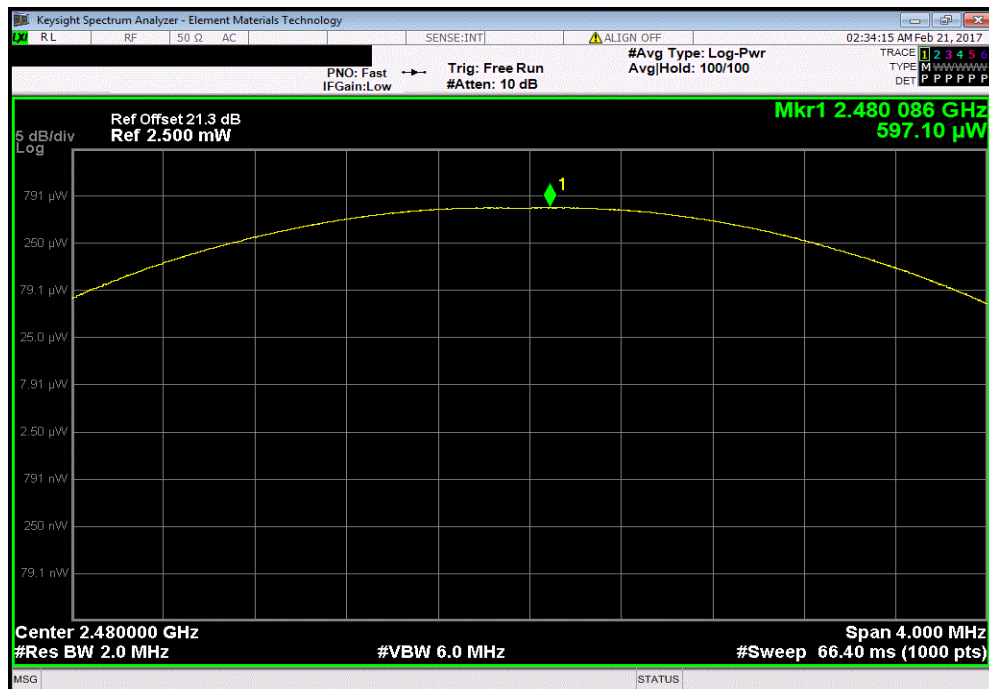


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |  |  |  |           |           |        |
|----------------------------------------|--|--|--|-----------|-----------|--------|
|                                        |  |  |  | Value     | Limit (<) | Result |
|                                        |  |  |  | 792.42 uW | 125 mW    | Pass   |



| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |  |  |  |          |           |        |
|-----------------------------------------|--|--|--|----------|-----------|--------|
|                                         |  |  |  | Value    | Limit (<) | Result |
|                                         |  |  |  | 597.1 uW | 125 mW    | Pass   |

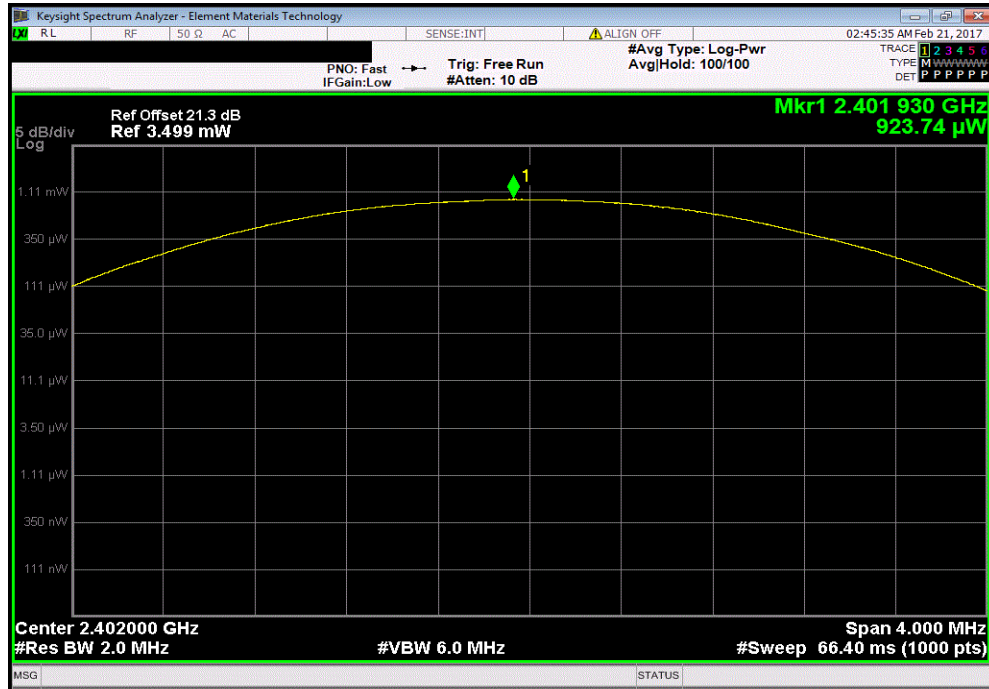


# OUTPUT POWER

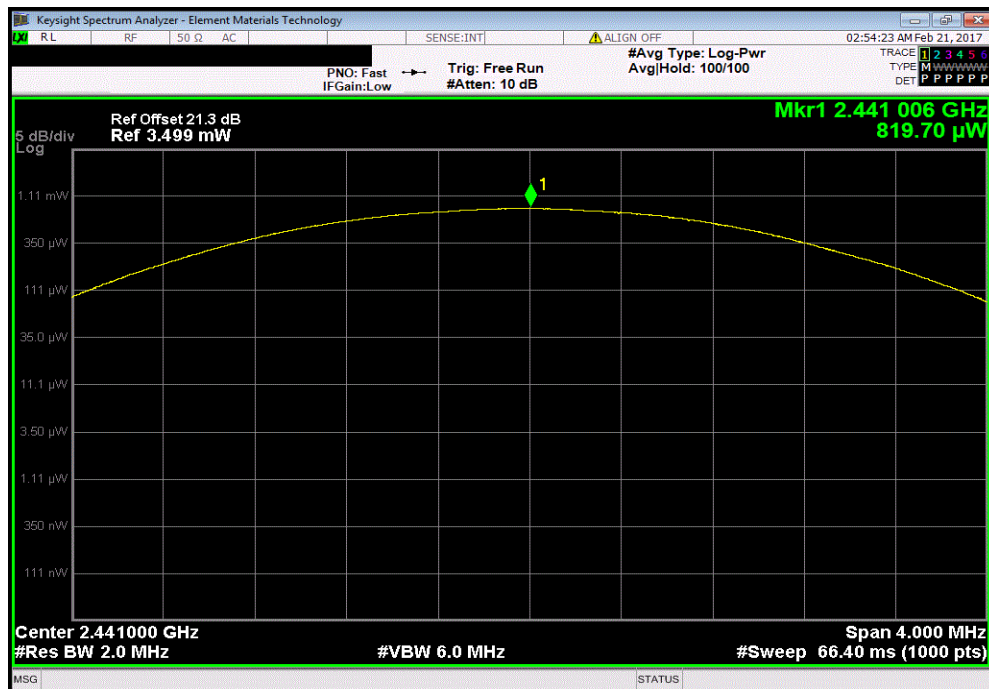


TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, Low Channel 2402 MHz |  |  |  |           |        |        |
|------------------------------------|--|--|--|-----------|--------|--------|
|                                    |  |  |  | Value     | Limit  | Result |
|                                    |  |  |  | 923.74 uW | 125 mW | Pass   |



| 3DH5, 8-DPSK, Mid Channel 2441 MHz |  |  |  |          |        |        |
|------------------------------------|--|--|--|----------|--------|--------|
|                                    |  |  |  | Value    | Limit  | Result |
|                                    |  |  |  | 819.7 uW | 125 mW | Pass   |

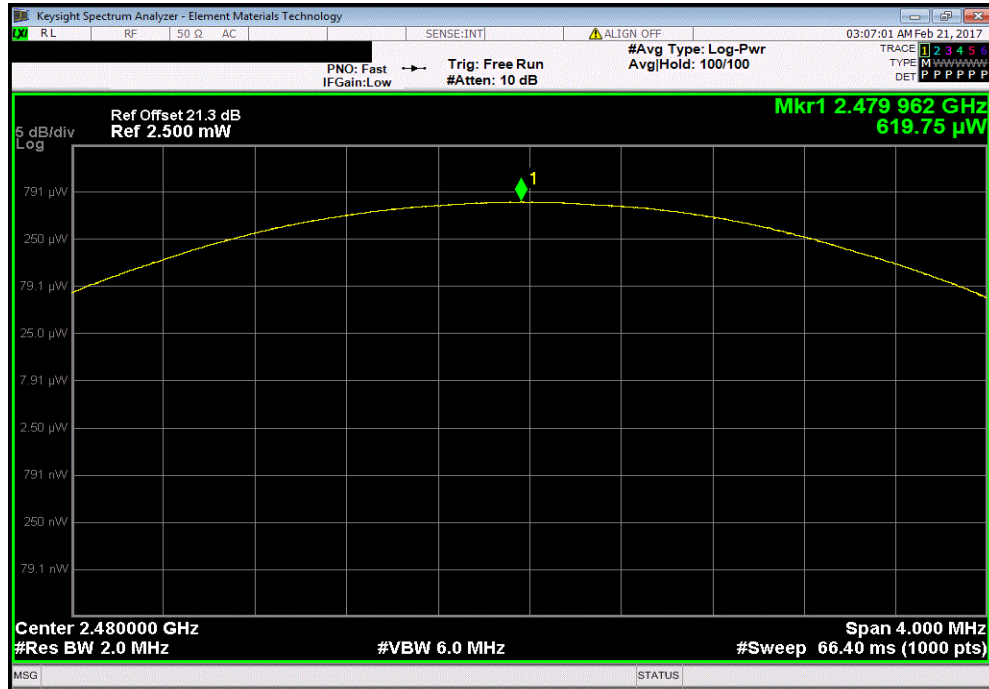


# OUTPUT POWER



TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, High Channel 2480 MHz |  |  |  |        |        |  |
|-------------------------------------|--|--|--|--------|--------|--|
| Value                               |  |  |  | Limit  | Result |  |
| 619.75 $\mu$ W                      |  |  |  | 125 mW | Pass   |  |



# BAND EDGE COMPLIANCE



XMI 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to low and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no hop mode. The channels closest to the band edges were selected.

The spectrum was scanned below the lower band edge and above the higher band edge.

# BAND EDGE COMPLIANCE



TbTx 2017.01.27 XMt 2017.01.26

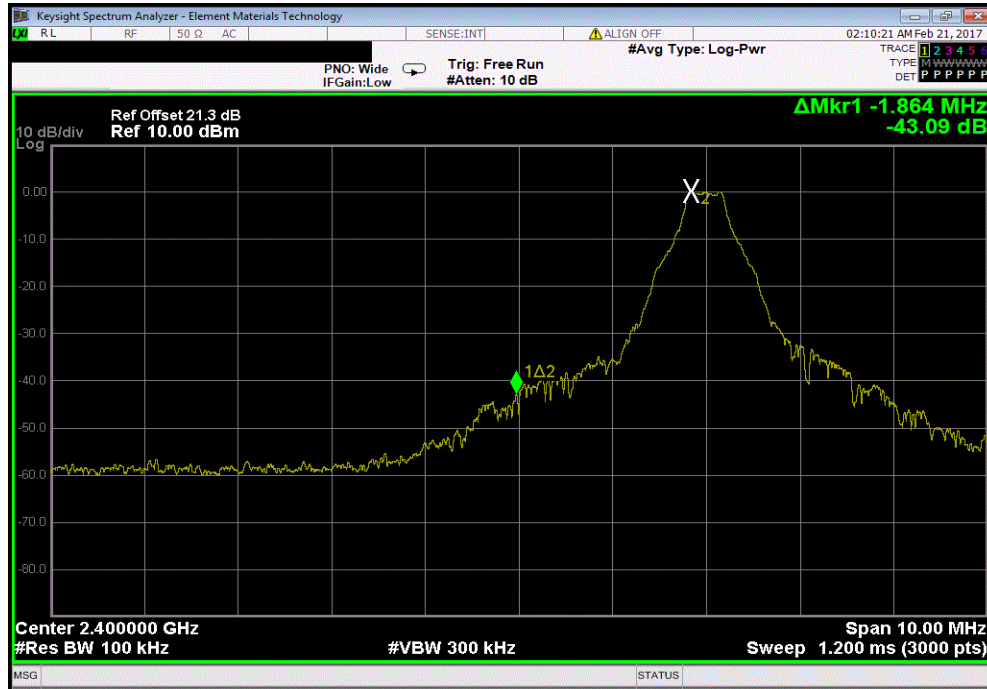
|                                                           |   |                                                                                                    |                      |
|-----------------------------------------------------------|---|----------------------------------------------------------------------------------------------------|----------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |   | <b>Work Order:</b> SIGS0004                                                                        |                      |
| <b>Serial Number:</b> KILO2400ABS                         |   | <b>Date:</b> 02/20/17                                                                              |                      |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |   | <b>Temperature:</b> 24.2 °C                                                                        |                      |
| <b>Attendees:</b> Don Cramer                              |   | <b>Humidity:</b> 39% RH                                                                            |                      |
| <b>Project:</b> None                                      |   | <b>Barometric Pres.:</b> 1007 mbar                                                                 |                      |
| <b>Tested by:</b> Brandon Hobbs                           |   | <b>Power:</b> Battery (3.0VDC)                                                                     |                      |
|                                                           |   | <b>Job Site:</b> EV06                                                                              |                      |
| <b>TEST SPECIFICATIONS</b>                                |   | <b>Test Method</b>                                                                                 |                      |
| FCC 15.247:2017                                           |   | ANSI C63.10:2013                                                                                   |                      |
| <b>COMMENTS</b>                                           |   |                                                                                                    |                      |
| Client provided 3 party software to control radio module. |   |                                                                                                    |                      |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |   |                                                                                                    |                      |
| None                                                      |   |                                                                                                    |                      |
| <b>Configuration #</b>                                    | 1 | <i>Signature</i>  |                      |
|                                                           |   | <b>Value (dBc)</b>                                                                                 | <b>Limit ≤ (dBc)</b> |
| <b>DH5, GFSK</b>                                          |   |                                                                                                    | <b>Result</b>        |
| Low Channel 2402 MHz                                      |   | -43.09                                                                                             | -20 Pass             |
| High Channel 2480 MHz                                     |   | -54.67                                                                                             | -20 Pass             |
| <b>2DH5, pi/4-DQPSK</b>                                   |   |                                                                                                    |                      |
| Low Channel 2402 MHz                                      |   | -49.19                                                                                             | -20 Pass             |
| High Channel 2480 MHz                                     |   | -53.71                                                                                             | -20 Pass             |
| <b>3DH5, 8-DPSK</b>                                       |   |                                                                                                    |                      |
| Low Channel 2402 MHz                                      |   | -48.93                                                                                             | -20 Pass             |
| High Channel 2480 MHz                                     |   | -53.49                                                                                             | -20 Pass             |

# BAND EDGE COMPLIANCE

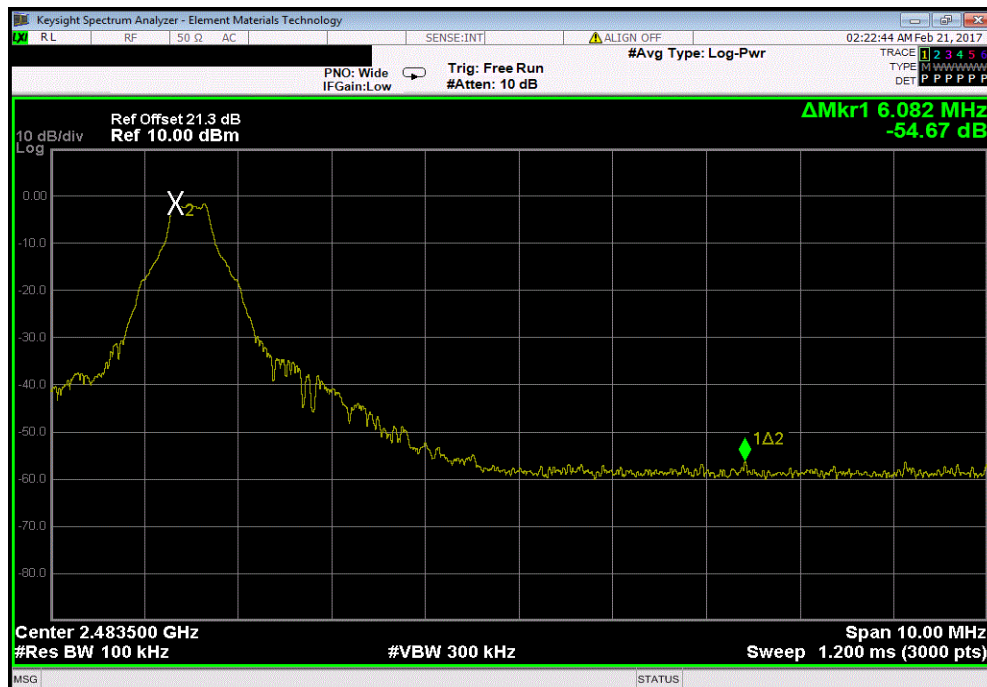


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, Low Channel 2402 MHz |  |  |  |                |                  |        |
|---------------------------------|--|--|--|----------------|------------------|--------|
|                                 |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                 |  |  |  | -43.09         | -20              | Pass   |



| DH5, GFSK, High Channel 2480 MHz |  |  |  |                |                  |        |
|----------------------------------|--|--|--|----------------|------------------|--------|
|                                  |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                  |  |  |  | -54.67         | -20              | Pass   |

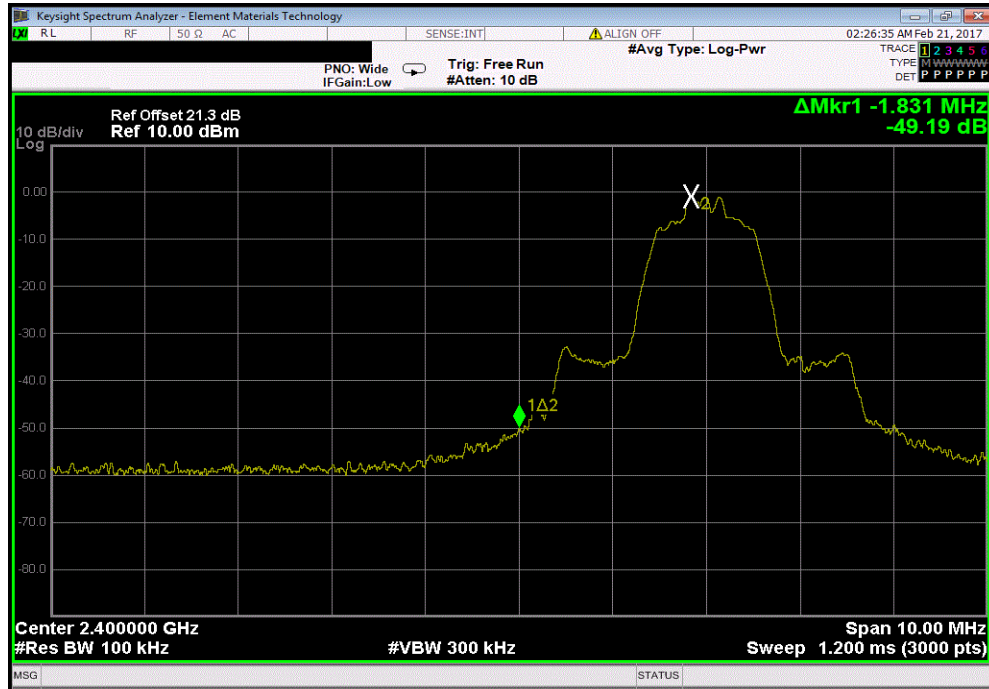


# BAND EDGE COMPLIANCE

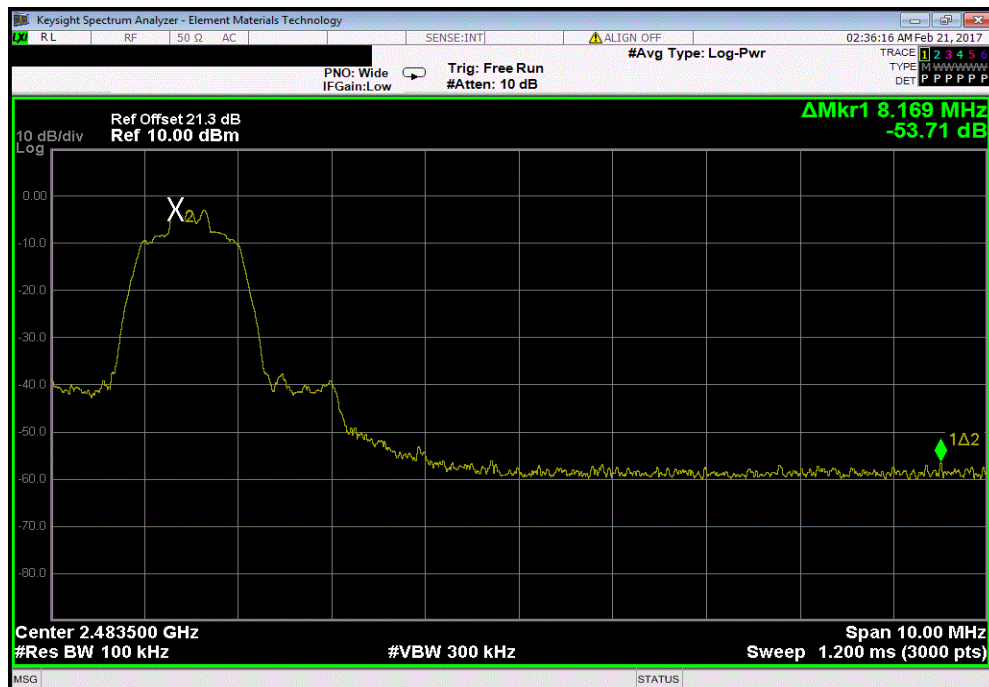


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |  |  |  |                |                  |        |
|----------------------------------------|--|--|--|----------------|------------------|--------|
|                                        |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                        |  |  |  | -49.19         | -20              | Pass   |



| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |  |  |  |                |                  |        |
|-----------------------------------------|--|--|--|----------------|------------------|--------|
|                                         |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                         |  |  |  | -53.71         | -20              | Pass   |

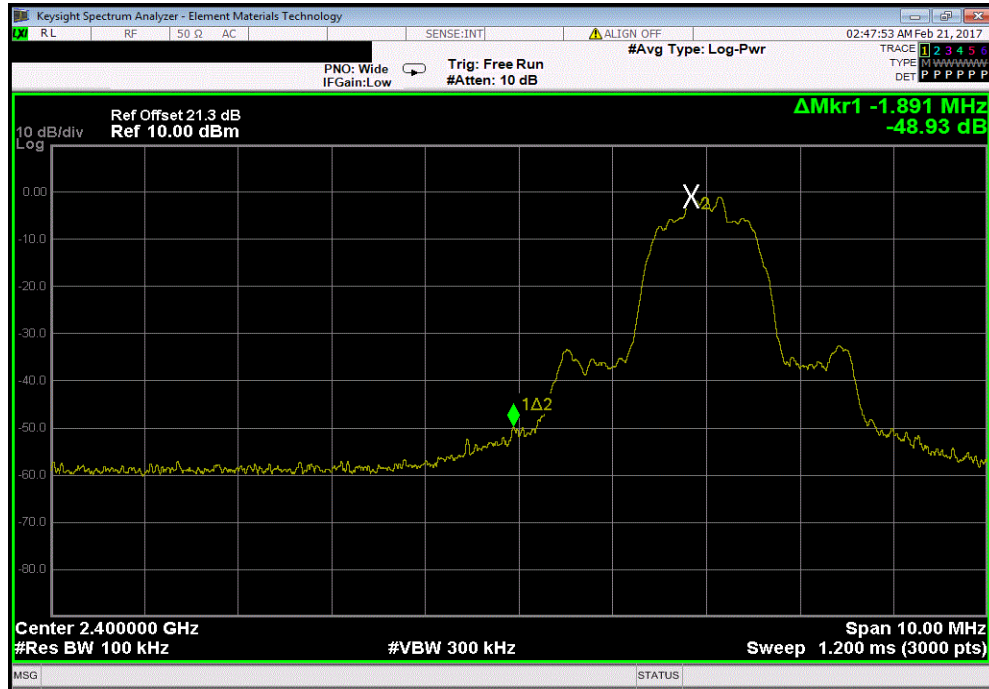


# BAND EDGE COMPLIANCE



TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, Low Channel 2402 MHz |  |  |  |                |                  |        |
|------------------------------------|--|--|--|----------------|------------------|--------|
|                                    |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                    |  |  |  | -48.93         | -20              | Pass   |



| 3DH5, 8-DPSK, High Channel 2480 MHz |  |  |  |                |                  |        |
|-------------------------------------|--|--|--|----------------|------------------|--------|
|                                     |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                     |  |  |  | -53.49         | -20              | Pass   |



# BAND EDGE COMPLIANCE - HOPPING MODE



XMI 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to its normal pseudo-random hopping sequence. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

# BAND EDGE COMPLIANCE - HOPPING MODE



TbTx 2017.01.27 XMt 2017.01.26

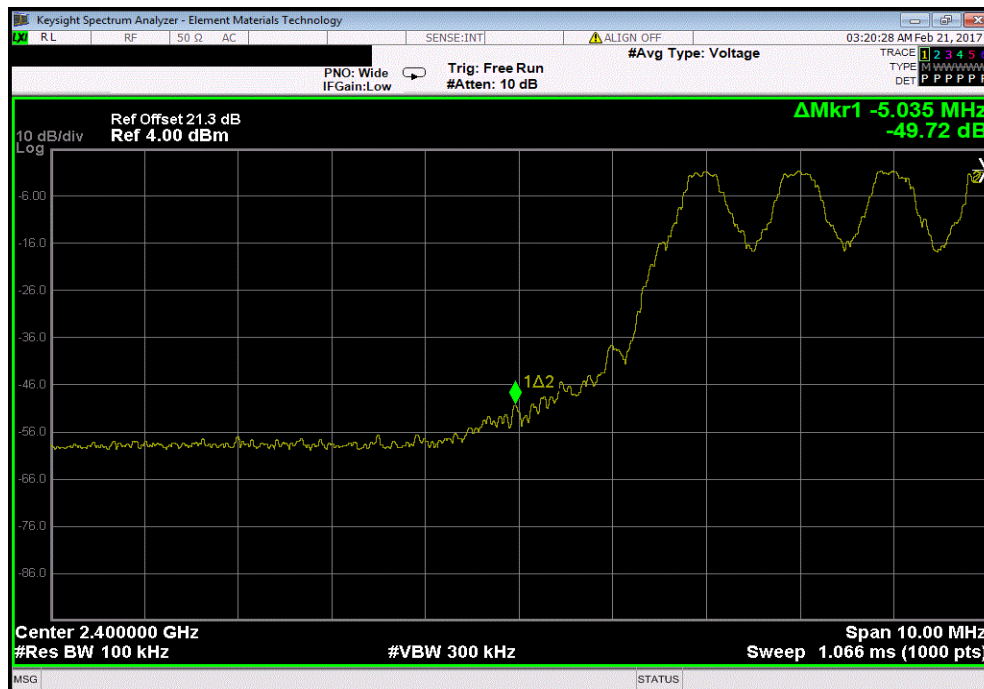
|                                                           |   |                                    |                      |
|-----------------------------------------------------------|---|------------------------------------|----------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |   | <b>Work Order:</b> SIGS0004        |                      |
| <b>Serial Number:</b> KILO2400ABS                         |   | <b>Date:</b> 02/20/17              |                      |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |   | <b>Temperature:</b> 24.1 °C        |                      |
| <b>Attendees:</b> Don Cramer                              |   | <b>Humidity:</b> 38.8% RH          |                      |
| <b>Project:</b> None                                      |   | <b>Barometric Pres.:</b> 1008 mbar |                      |
| <b>Tested by:</b> Brandon Hobbs                           |   | <b>Power:</b> Battery (3.0VDC)     |                      |
|                                                           |   | <b>Job Site:</b> EV06              |                      |
| <b>TEST SPECIFICATIONS</b>                                |   | <b>Test Method</b>                 |                      |
| FCC 15.247:2017                                           |   | ANSI C63.10:2013                   |                      |
| <b>COMMENTS</b>                                           |   |                                    |                      |
| Client provided 3 party software to control radio module. |   |                                    |                      |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |   |                                    |                      |
| None                                                      |   |                                    |                      |
| <b>Configuration #</b>                                    | 1 | <i>Signature</i>                   |                      |
|                                                           |   | <b>Value (dBc)</b>                 | <b>Limit ≤ (dBc)</b> |
| <b>Result</b>                                             |   |                                    |                      |
| <b>Hopping Mode</b>                                       |   |                                    |                      |
| DH5, GFSK                                                 |   |                                    |                      |
| Low Channel, 2402 MHz                                     |   | -49.73                             | -20                  |
| High Channel, 2480 MHz                                    |   | -54.57                             | -20                  |
| 2DH5, pi/4-DQPSK                                          |   |                                    |                      |
| Low Channel, 2402 MHz                                     |   | -50.96                             | -20                  |
| High Channel, 2480 MHz                                    |   | -53.48                             | -20                  |
| 3DH5, 8-DPSK                                              |   |                                    |                      |
| Low Channel, 2402 MHz                                     |   | -51.93                             | -20                  |
| High Channel, 2480 MHz                                    |   | -53.47                             | -20                  |

# BAND EDGE COMPLIANCE - HOPPING MODE

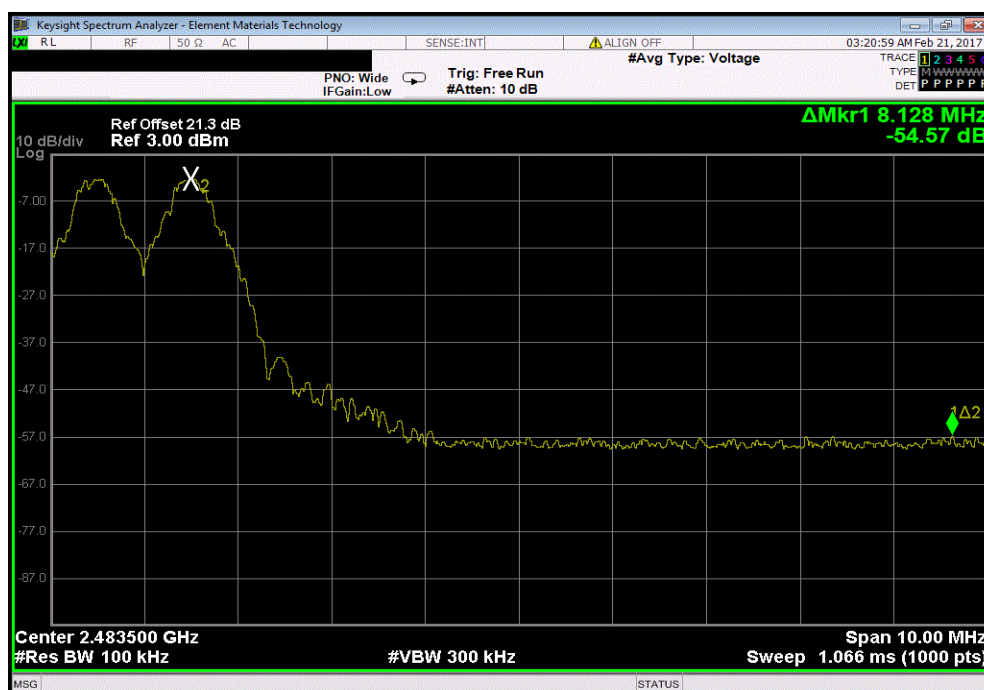


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, DH5, GFSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                |  |  |  | -49.73         | -20              | Pass   |



| Hopping Mode, DH5, GFSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|-------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                 |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                 |  |  |  | -54.57         | -20              | Pass   |

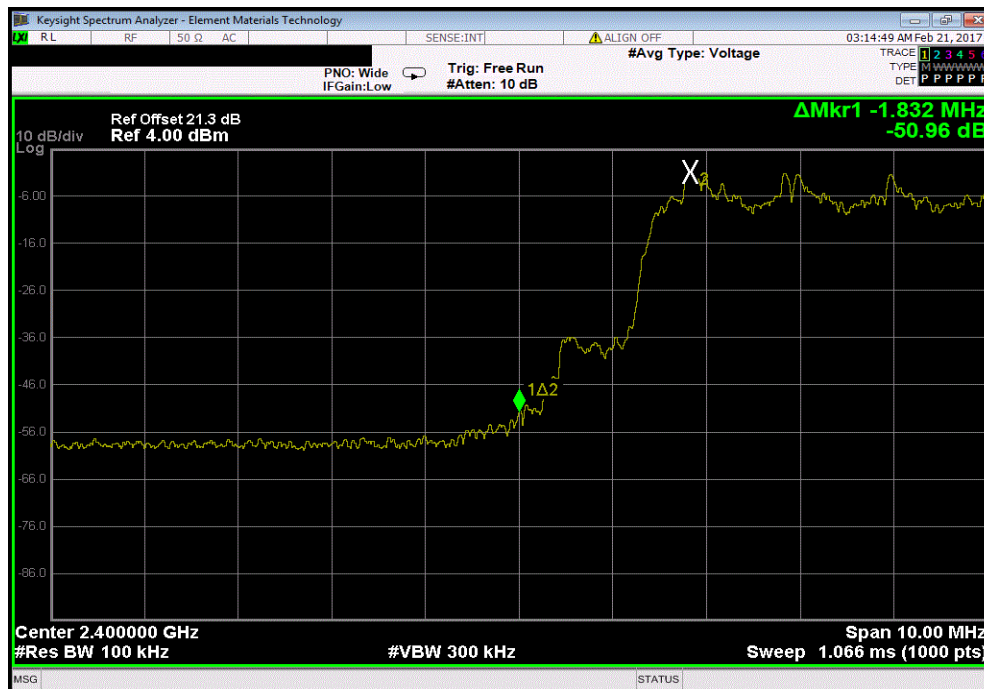


# BAND EDGE COMPLIANCE - HOPPING MODE



TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|-------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                       |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                       |  |  |  | -50.96         | -20              | Pass   |



| Hopping Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|--------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                        |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                        |  |  |  | -53.48         | -20              | Pass   |

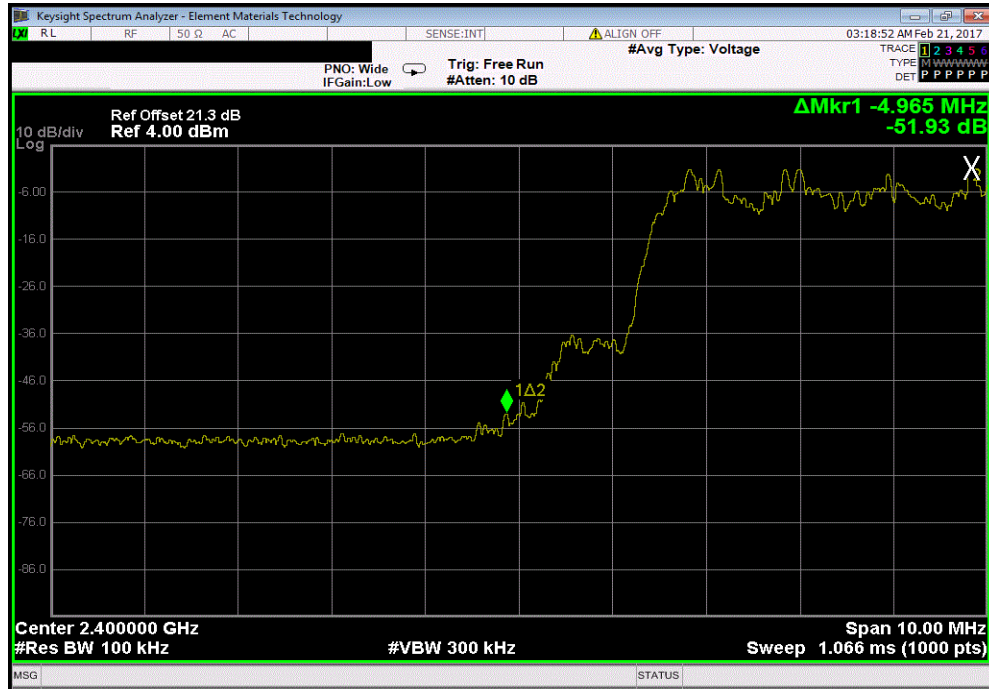


# BAND EDGE COMPLIANCE - HOPPING MODE

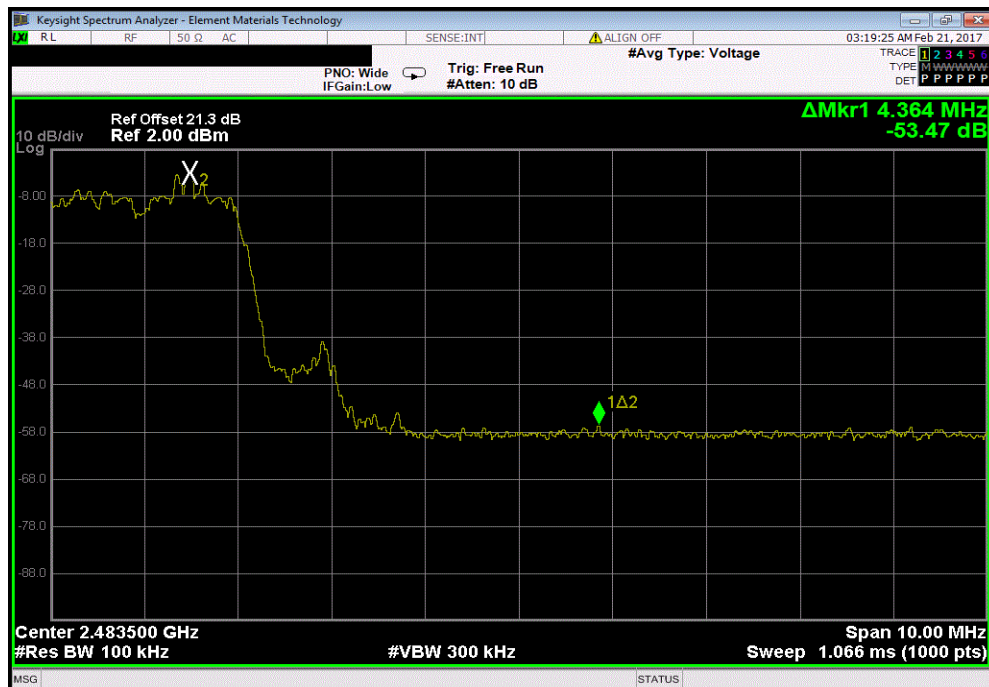


TMTx 2017.01.27 XMI 2017.01.28

| Hopping Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|---------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                   |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                   |  |  |  | -51.93         | -20              | Pass   |



| Hopping Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|----------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                    |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                    |  |  |  | -53.47         | -20              | Pass   |



# OCCUPIED BANDWIDTH



XMIT 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The 20 dB occupied bandwidth was measured with the EUT set to low, medium and high transmit frequencies in the band. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode.

# OCCUPIED BANDWIDTH



TbTx 2017.01.27 XMt 2017.01.26

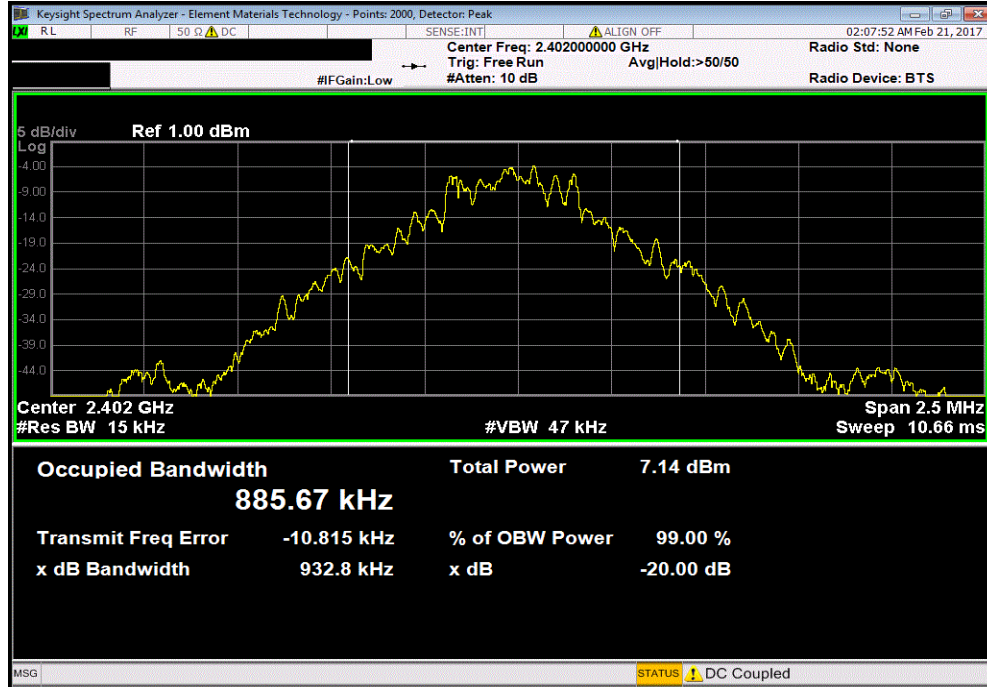
|                                                           |                       |                                                                                                    |                     |
|-----------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|---------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |                       | <b>Work Order:</b> SIGS0004                                                                        |                     |
| <b>Serial Number:</b> KILO2400ABS                         |                       | <b>Date:</b> 02/20/17                                                                              |                     |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |                       | <b>Temperature:</b> 24.2 °C                                                                        |                     |
| <b>Attendees:</b> Don Cramer                              |                       | <b>Humidity:</b> 38.8% RH                                                                          |                     |
| <b>Project:</b> None                                      |                       | <b>Barometric Pres.:</b> 1007 mbar                                                                 |                     |
| <b>Tested by:</b> Brandon Hobbs                           |                       | <b>Power:</b> Battery (3.0VDC)                                                                     |                     |
|                                                           |                       | <b>Job Site:</b> EV06                                                                              |                     |
| <b>TEST SPECIFICATIONS</b>                                |                       | <b>Test Method</b>                                                                                 |                     |
| FCC 15.247:2017                                           |                       | ANSI C63.10:2013                                                                                   |                     |
| <b>COMMENTS</b>                                           |                       |                                                                                                    |                     |
| Client provided 3 party software to control radio module. |                       |                                                                                                    |                     |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |                       |                                                                                                    |                     |
| None                                                      |                       |                                                                                                    |                     |
| <b>Configuration #</b>                                    | 1                     | <i>Signature</i>  |                     |
|                                                           |                       | <b>Value</b>                                                                                       | <b>Limit (&lt;)</b> |
| <b>Result</b>                                             |                       |                                                                                                    |                     |
| <b>DH5, GFSK</b>                                          |                       |                                                                                                    |                     |
|                                                           | Low Channel 2402 MHz  | 932.83 kHz                                                                                         | 1.5 MHz             |
|                                                           | Mid Channel 2441 MHz  | 929.41 kHz                                                                                         | 1.5 MHz             |
|                                                           | High Channel 2480 MHz | 924.585 kHz                                                                                        | 1.5 MHz             |
| <b>2DH5, pi/4-DQPSK</b>                                   |                       |                                                                                                    |                     |
|                                                           | Low Channel 2402 MHz  | 1.23 MHz                                                                                           | 1.5 MHz             |
|                                                           | Mid Channel 2441 MHz  | 1.23 MHz                                                                                           | 1.5 MHz             |
|                                                           | High Channel 2480 MHz | 1.215 MHz                                                                                          | 1.5 MHz             |
| <b>3DH5, 8-DPSK</b>                                       |                       |                                                                                                    |                     |
|                                                           | Low Channel 2402 MHz  | 1.247 MHz                                                                                          | 1.5 MHz             |
|                                                           | Mid Channel 2441 MHz  | 1.244 MHz                                                                                          | 1.5 MHz             |
|                                                           | High Channel 2480 MHz | 1.243 MHz                                                                                          | 1.5 MHz             |

# OCCUPIED BANDWIDTH

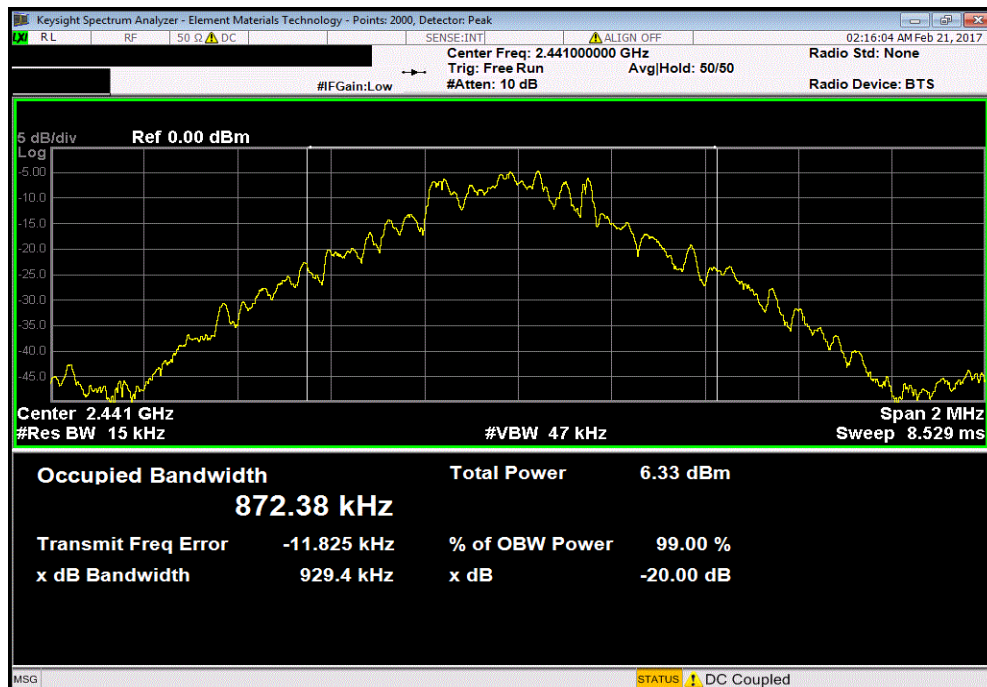


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, Low Channel 2402 MHz |  |  |  |            |           |        |
|---------------------------------|--|--|--|------------|-----------|--------|
|                                 |  |  |  | Value      | Limit (<) | Result |
|                                 |  |  |  | 932.83 kHz | 1.5 MHz   | Pass   |



| DH5, GFSK, Mid Channel 2441 MHz |  |  |  |            |           |        |
|---------------------------------|--|--|--|------------|-----------|--------|
|                                 |  |  |  | Value      | Limit (<) | Result |
|                                 |  |  |  | 929.41 kHz | 1.5 MHz   | Pass   |

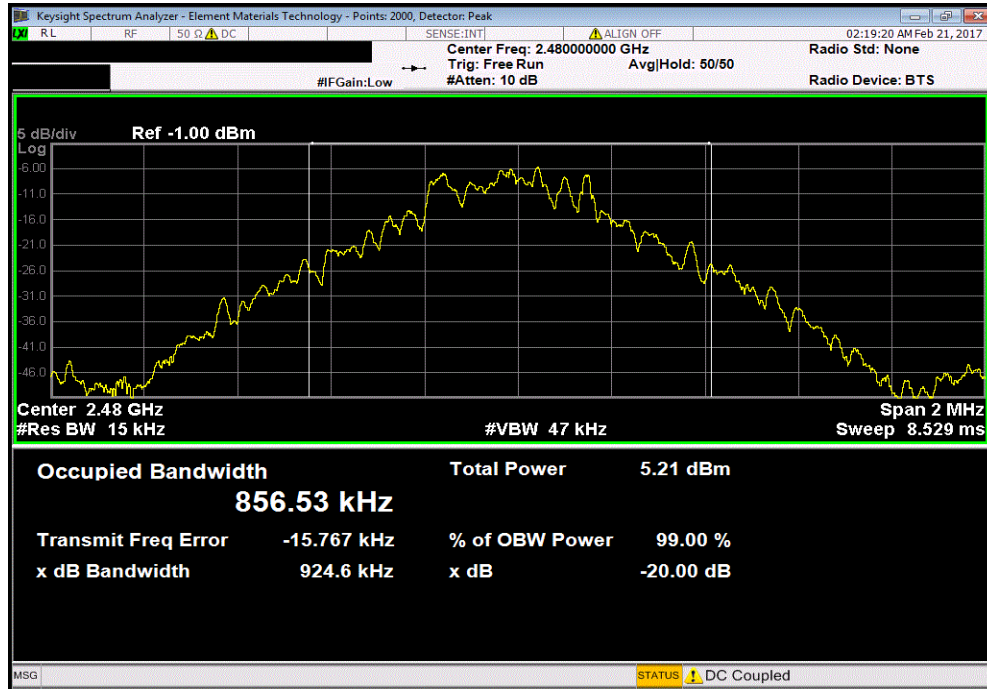


# OCCUPIED BANDWIDTH

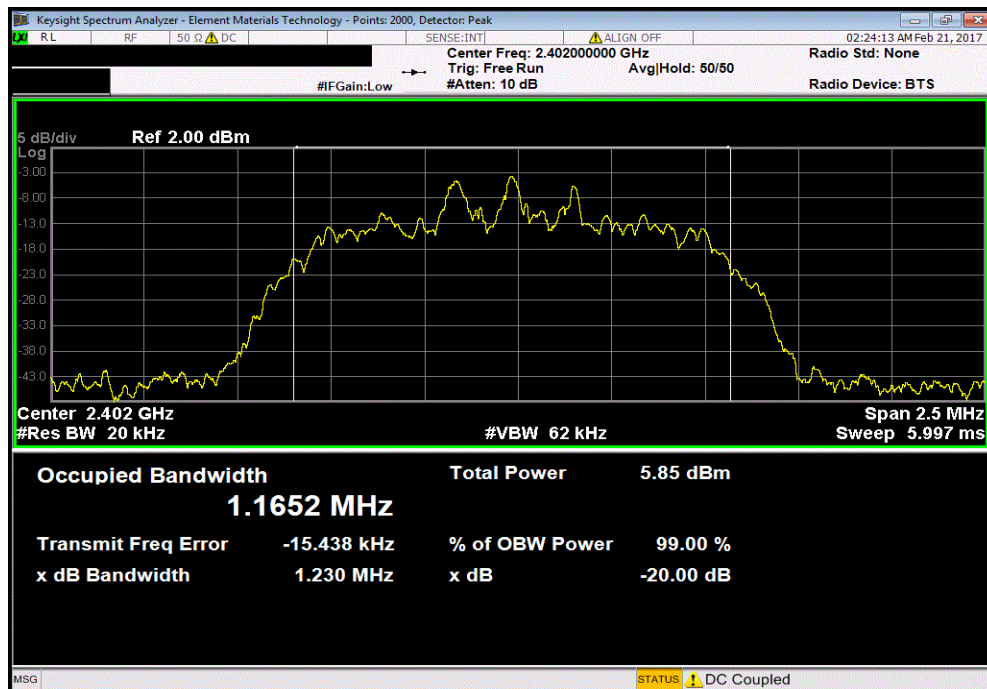


TMTx 2017.01.27 XMI 2017.01.28

| DH5, GFSK, High Channel 2480 MHz |  |  |  |                  |        |  |
|----------------------------------|--|--|--|------------------|--------|--|
| Value                            |  |  |  | Limit<br>( $<$ ) | Result |  |
| 924.585 kHz                      |  |  |  | 1.5 MHz          | Pass   |  |



| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |  |  |  |                  |        |  |
|----------------------------------------|--|--|--|------------------|--------|--|
| Value                                  |  |  |  | Limit<br>( $<$ ) | Result |  |
| 1.23 MHz                               |  |  |  | 1.5 MHz          | Pass   |  |

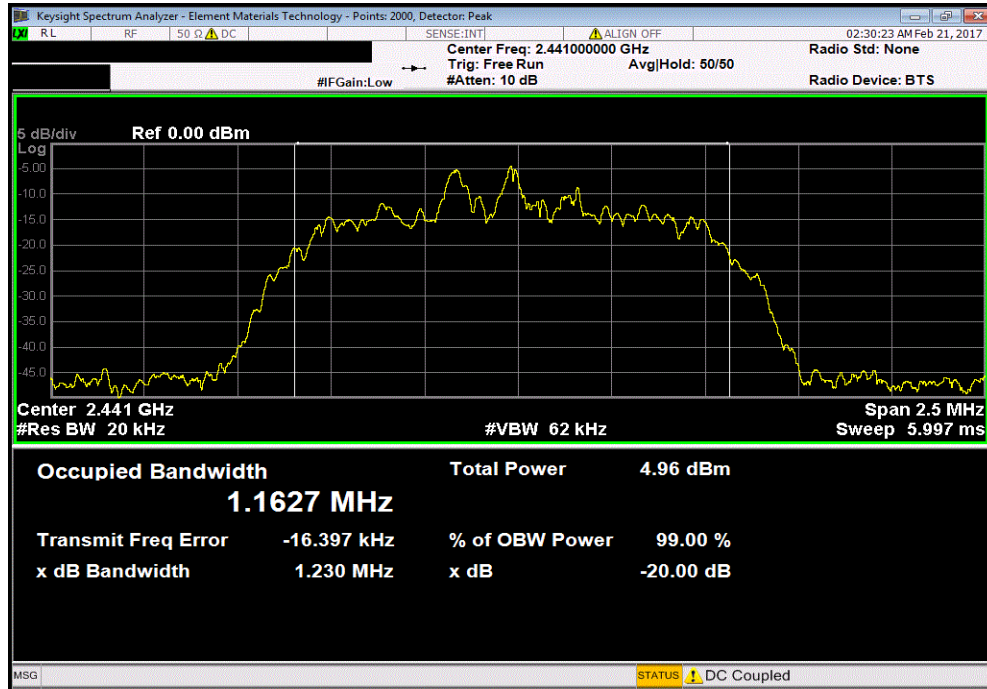


# OCCUPIED BANDWIDTH

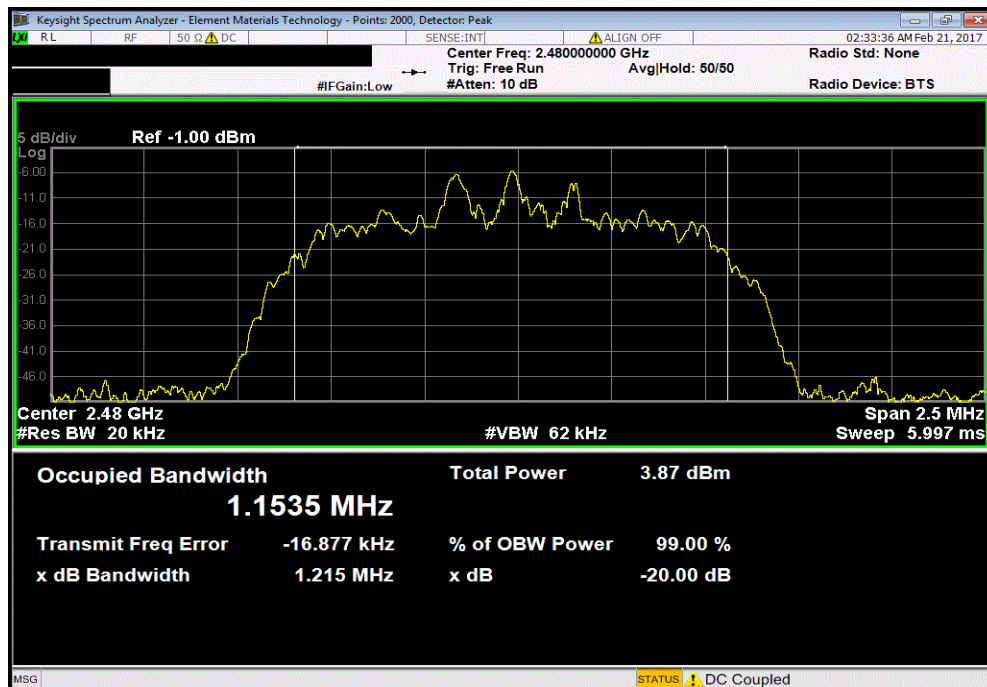


TMTx 2017.01.27 XMI 2017.01.28

| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |  |  |  |          |           |        |
|----------------------------------------|--|--|--|----------|-----------|--------|
|                                        |  |  |  | Value    | Limit (<) | Result |
|                                        |  |  |  | 1.23 MHz | 1.5 MHz   | Pass   |



| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |  |  |  |           |           |        |
|-----------------------------------------|--|--|--|-----------|-----------|--------|
|                                         |  |  |  | Value     | Limit (<) | Result |
|                                         |  |  |  | 1.215 MHz | 1.5 MHz   | Pass   |

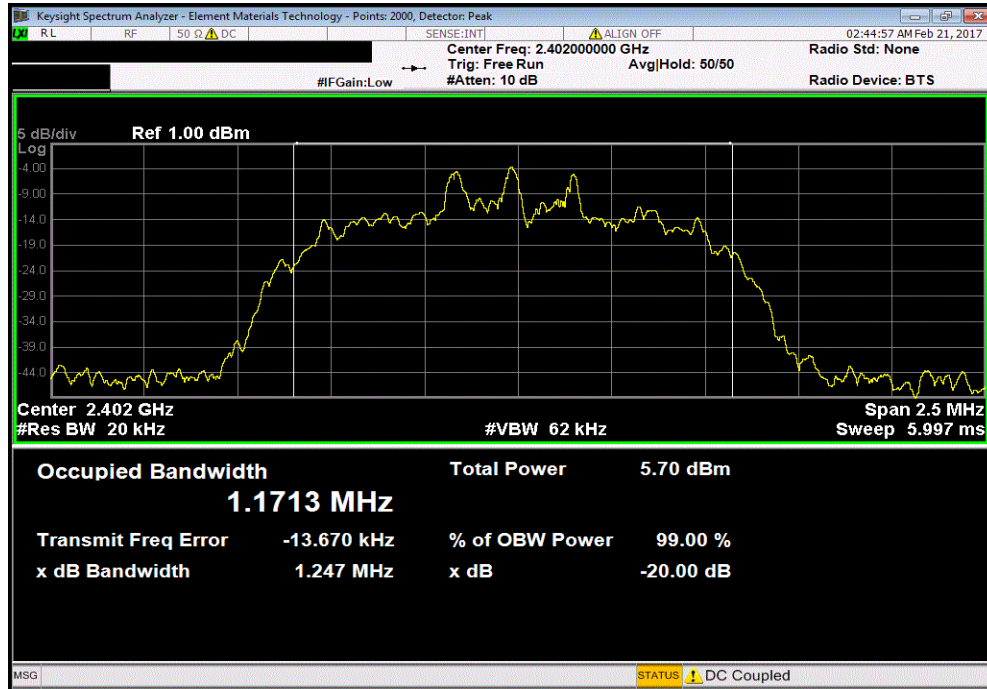


# OCCUPIED BANDWIDTH

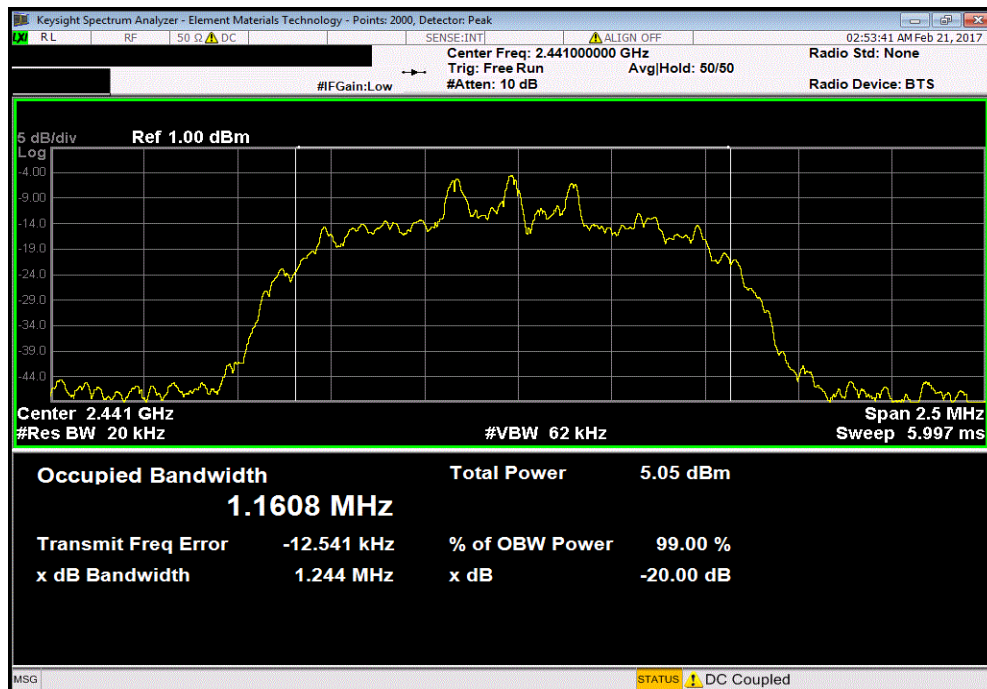


TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, Low Channel 2402 MHz |  |  |  |           |                  |        |
|------------------------------------|--|--|--|-----------|------------------|--------|
|                                    |  |  |  | Value     | Limit<br>( $<$ ) | Result |
|                                    |  |  |  | 1.247 MHz | 1.5 MHz          | Pass   |



| 3DH5, 8-DPSK, Mid Channel 2441 MHz |  |  |  |           |                  |        |
|------------------------------------|--|--|--|-----------|------------------|--------|
|                                    |  |  |  | Value     | Limit<br>( $<$ ) | Result |
|                                    |  |  |  | 1.244 MHz | 1.5 MHz          | Pass   |

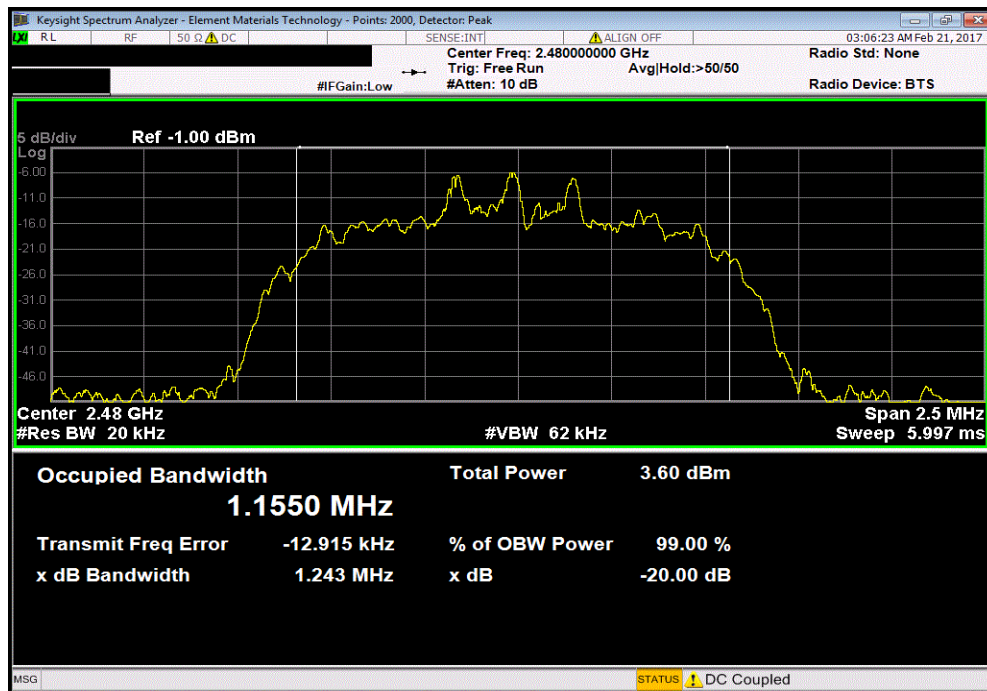


# OCCUPIED BANDWIDTH



TMTx 2017.01.27 XMI 2017.01.28

| 3DH5, 8-DPSK, High Channel 2480 MHz |  |  |  |           |                  |        |
|-------------------------------------|--|--|--|-----------|------------------|--------|
|                                     |  |  |  | Value     | Limit<br>( $<$ ) | Result |
|                                     |  |  |  | 1.243 MHz | 1.5 MHz          | Pass   |



# SPURIOUS CONDUCTED EMISSIONS



XMM 2017.01.26

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

## TEST EQUIPMENT

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

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

# SPURIOUS CONDUCTED EMISSIONS



TstTx 2017.01.27 XMI 2017.01.26

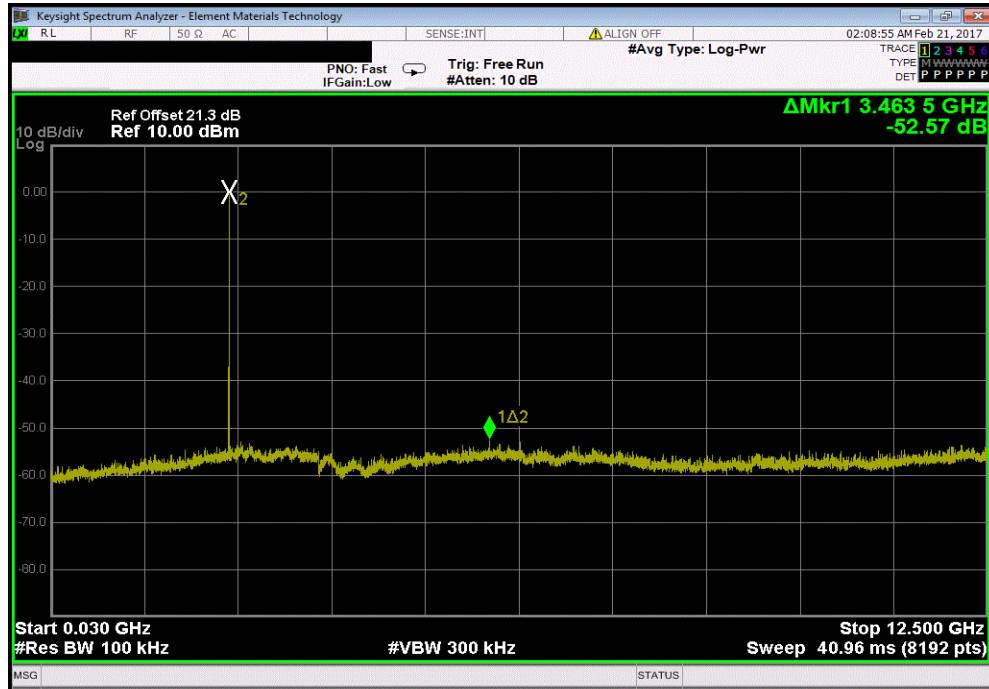
|                                                           |                       |                                                                                                    |                                                           |
|-----------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>EUT:</b> KILO2400ABS Rangefinder                       |                       | <b>Work Order:</b> SIGS0004                                                                        |                                                           |
| <b>Serial Number:</b> KILO2400ABS                         |                       | <b>Date:</b> 02/20/17                                                                              |                                                           |
| <b>Customer:</b> Sig Sauer, Inc.<br>Electro-Optics        |                       | <b>Temperature:</b> 24.2 °C                                                                        |                                                           |
| <b>Attendees:</b> Don Cramer                              |                       | <b>Humidity:</b> 38.7% RH                                                                          |                                                           |
| <b>Project:</b> None                                      |                       | <b>Barometric Pres.:</b> 1008 mbar                                                                 |                                                           |
| <b>Tested by:</b> Brandon Hobbs                           |                       | <b>Power:</b> Battery (3.0VDC)                                                                     |                                                           |
| <b>Test Method</b>                                        |                       | <b>Job Site:</b> EV06                                                                              |                                                           |
| <b>TEST SPECIFICATIONS</b>                                |                       | <b>ANSI C63.10:2013</b>                                                                            |                                                           |
| <b>FCC 15.247:2017</b>                                    |                       |                                                                                                    |                                                           |
| <b>COMMENTS</b>                                           |                       |                                                                                                    |                                                           |
| Client provided 3 party software to control radio module. |                       |                                                                                                    |                                                           |
| <b>DEVIATIONS FROM TEST STANDARD</b>                      |                       |                                                                                                    |                                                           |
| None                                                      |                       |                                                                                                    |                                                           |
| <b>Configuration #</b>                                    | 1                     | <i>Signature</i>  |                                                           |
|                                                           |                       | <b>Frequency Range</b>                                                                             | <b>Max Value (dBc)</b> <b>Limit ≤ (dBc)</b> <b>Result</b> |
| <b>DH5, GFSK</b>                                          |                       |                                                                                                    |                                                           |
|                                                           | Low Channel 2402 MHz  | 30 MHz - 12.5 GHz                                                                                  | -52.58 -20 Pass                                           |
|                                                           | Low Channel 2402 MHz  | 12.5 GHz - 25 GHz                                                                                  | -38.19 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 30 MHz - 12.5 GHz                                                                                  | -52.32 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 12.5 GHz - 25 GHz                                                                                  | -38.02 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 30 MHz - 12.5 GHz                                                                                  | -50.93 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 12.5 GHz - 25 GHz                                                                                  | -36.48 -20 Pass                                           |
| <b>2DH5, pi/4-DQPSK</b>                                   |                       |                                                                                                    |                                                           |
|                                                           | Low Channel 2402 MHz  | 30 MHz - 12.5 GHz                                                                                  | -50.1 -20 Pass                                            |
|                                                           | Low Channel 2402 MHz  | 12.5 GHz - 25 GHz                                                                                  | -35.65 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 30 MHz - 12.5 GHz                                                                                  | -50.81 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 12.5 GHz - 25 GHz                                                                                  | -36.26 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 30 MHz - 12.5 GHz                                                                                  | -50.08 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 12.5 GHz - 25 GHz                                                                                  | -35.81 -20 Pass                                           |
| <b>3DH5, 8-DPSK</b>                                       |                       |                                                                                                    |                                                           |
|                                                           | Low Channel 2402 MHz  | 30 MHz - 12.5 GHz                                                                                  | -51.95 -20 Pass                                           |
|                                                           | Low Channel 2402 MHz  | 12.5 GHz - 25 GHz                                                                                  | -37.37 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 30 MHz - 12.5 GHz                                                                                  | -51.34 -20 Pass                                           |
|                                                           | Mid Channel 2441 MHz  | 12.5 GHz - 25 GHz                                                                                  | -35.64 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 30 MHz - 12.5 GHz                                                                                  | -48.73 -20 Pass                                           |
|                                                           | High Channel 2480 MHz | 12.5 GHz - 25 GHz                                                                                  | -34.7 -20 Pass                                            |

# SPURIOUS CONDUCTED EMISSIONS

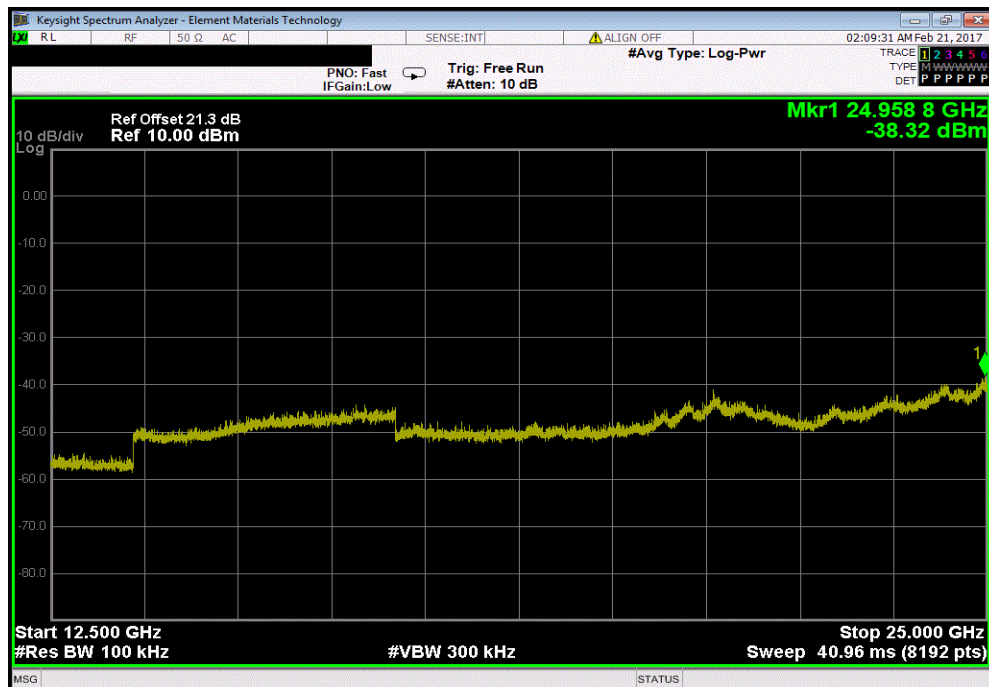


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| DH5, GFSK, Low Channel 2402 MHz |                 |               |        |  |
|---------------------------------|-----------------|---------------|--------|--|
| Frequency Range                 | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz               | -52.58          | -20           | Pass   |  |



| DH5, GFSK, Low Channel 2402 MHz |                 |               |        |  |
|---------------------------------|-----------------|---------------|--------|--|
| Frequency Range                 | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz               | -38.19          | -20           | Pass   |  |

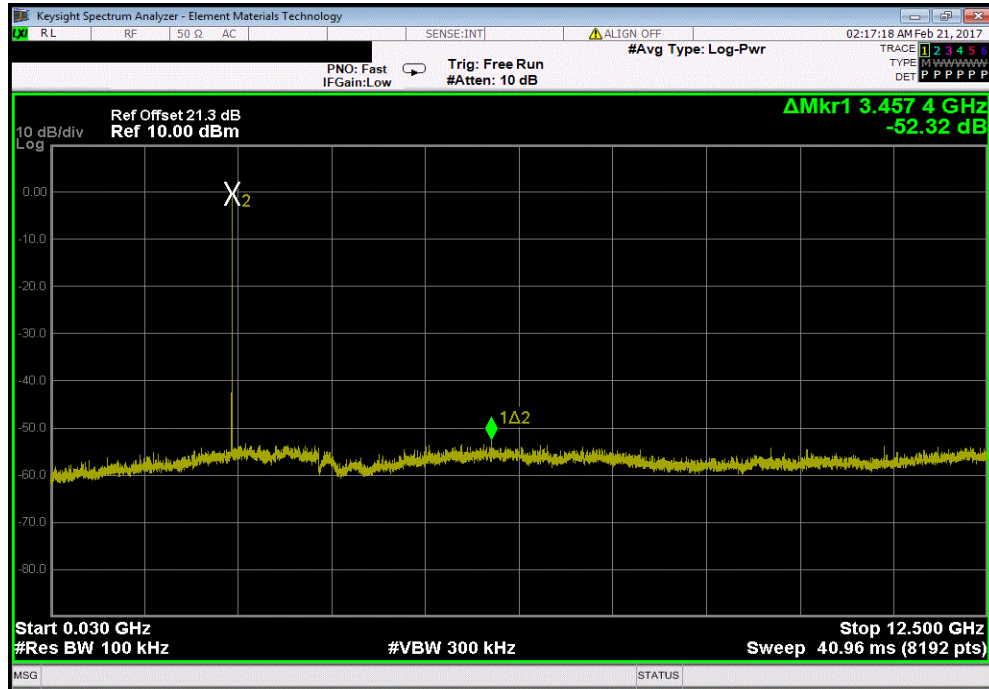


# SPURIOUS CONDUCTED EMISSIONS

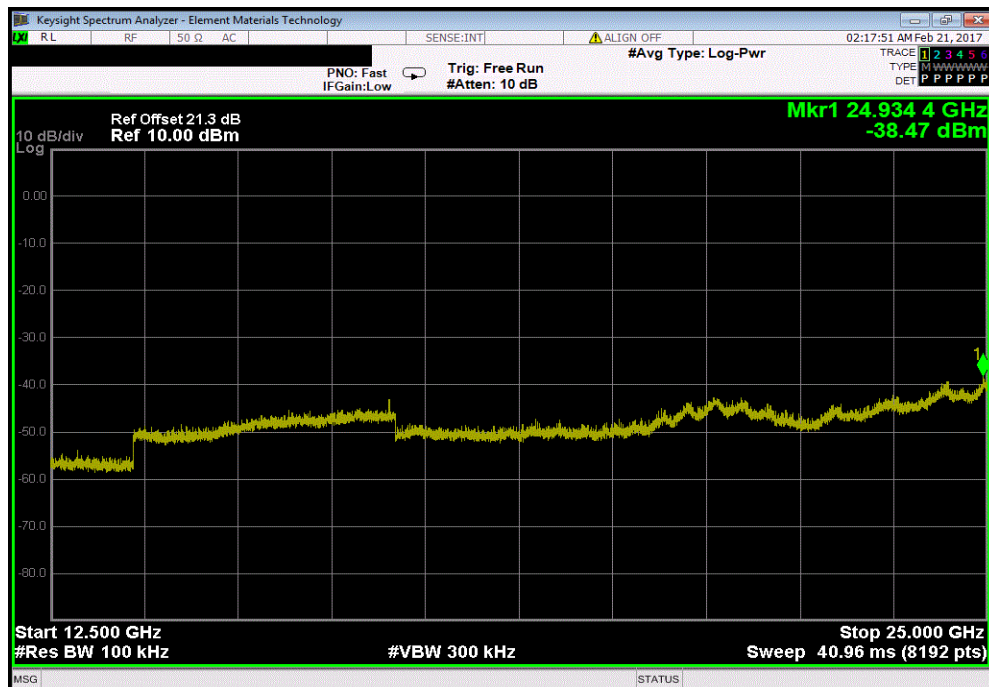


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| DH5, GFSK, Mid Channel 2441 MHz |                 |               |        |  |
|---------------------------------|-----------------|---------------|--------|--|
| Frequency Range                 | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz               | -52.32          | -20           | Pass   |  |



| DH5, GFSK, Mid Channel 2441 MHz |                 |               |        |  |
|---------------------------------|-----------------|---------------|--------|--|
| Frequency Range                 | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz               | -38.02          | -20           | Pass   |  |

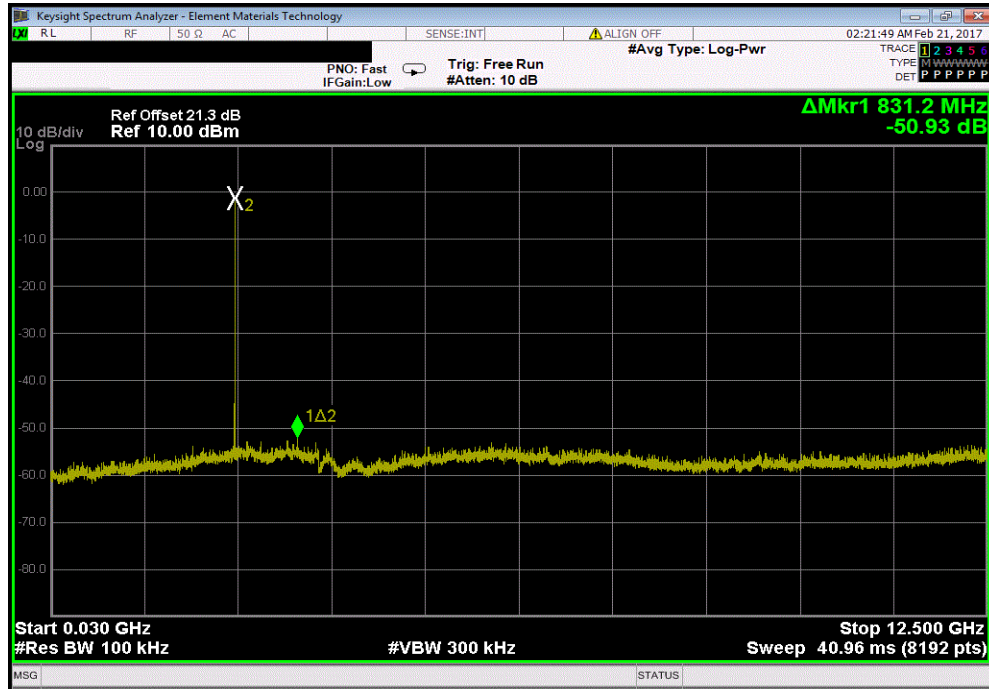


# SPURIOUS CONDUCTED EMISSIONS

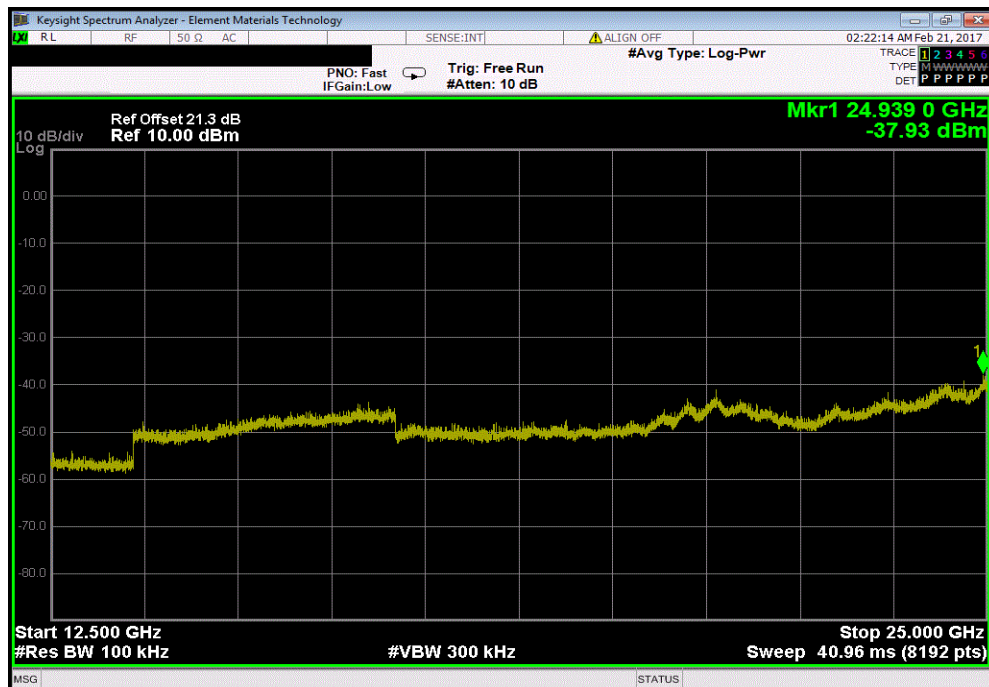


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| DH5, GFSK, High Channel 2480 MHz |                 |               |        |  |
|----------------------------------|-----------------|---------------|--------|--|
| Frequency Range                  | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                | -50.93          | -20           | Pass   |  |



| DH5, GFSK, High Channel 2480 MHz |                 |               |        |  |
|----------------------------------|-----------------|---------------|--------|--|
| Frequency Range                  | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                | -36.48          | -20           | Pass   |  |

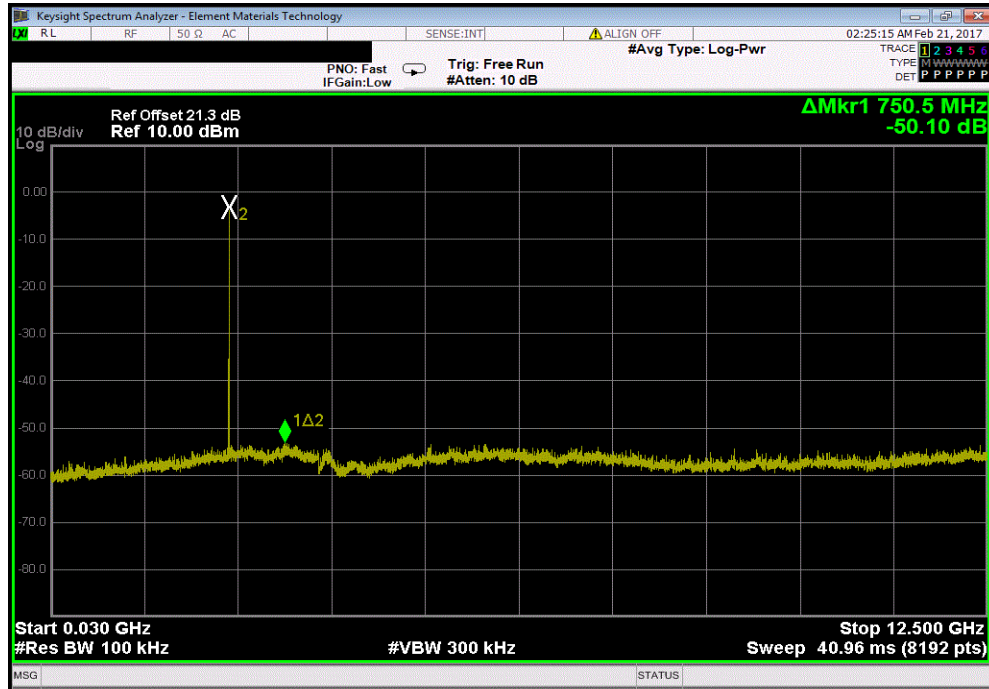


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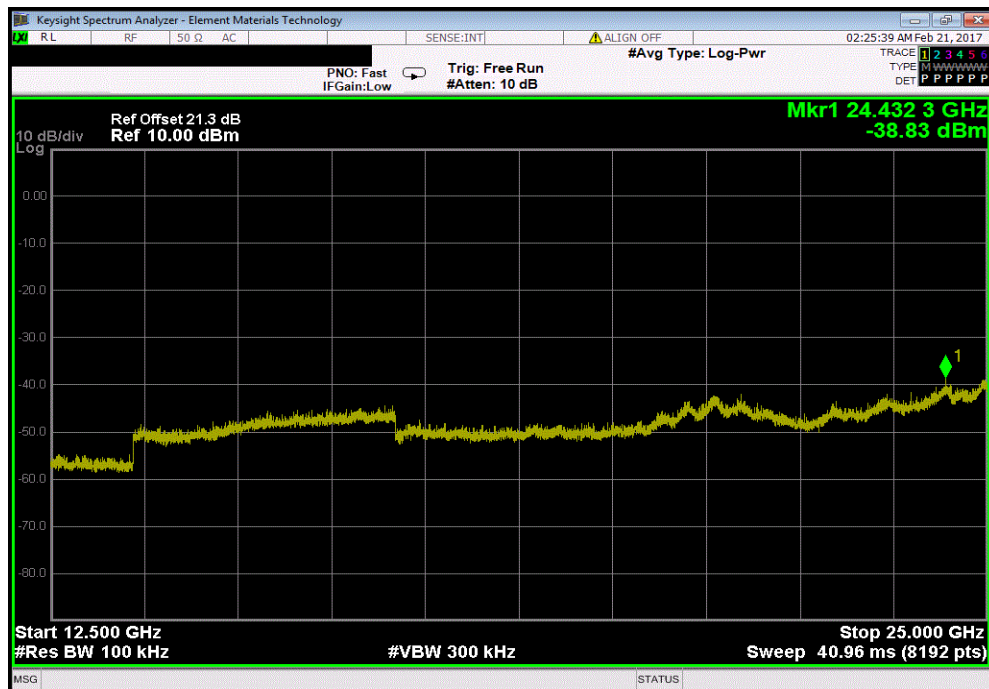


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| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |                 |               |        |  |
|----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                      | -50.1           | -20           | Pass   |  |



| 2DH5, pi/4-DQPSK, Low Channel 2402 MHz |                 |               |        |  |
|----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                      | -35.65          | -20           | Pass   |  |

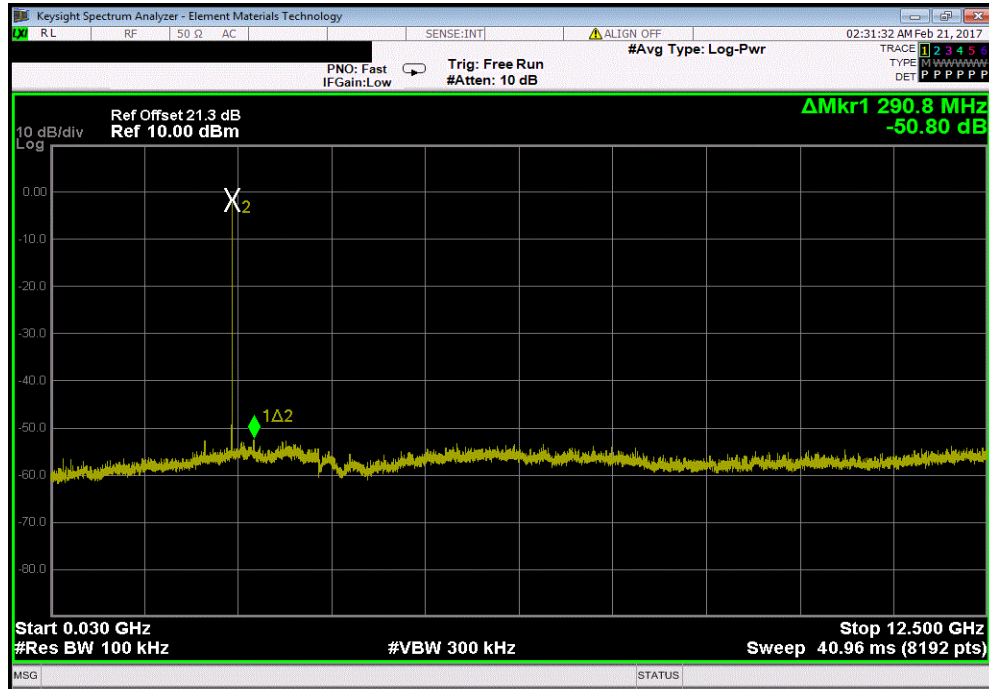


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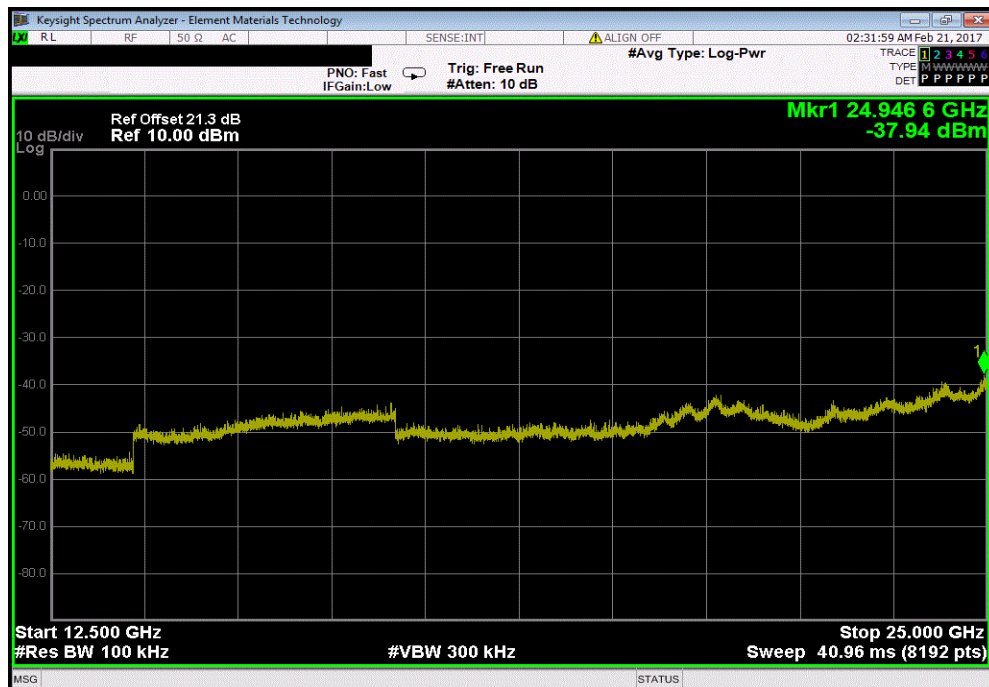


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| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |                 |               |        |  |
|----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                      | -50.81          | -20           | Pass   |  |



| 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz |                 |               |        |  |
|----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                      | -36.26          | -20           | Pass   |  |

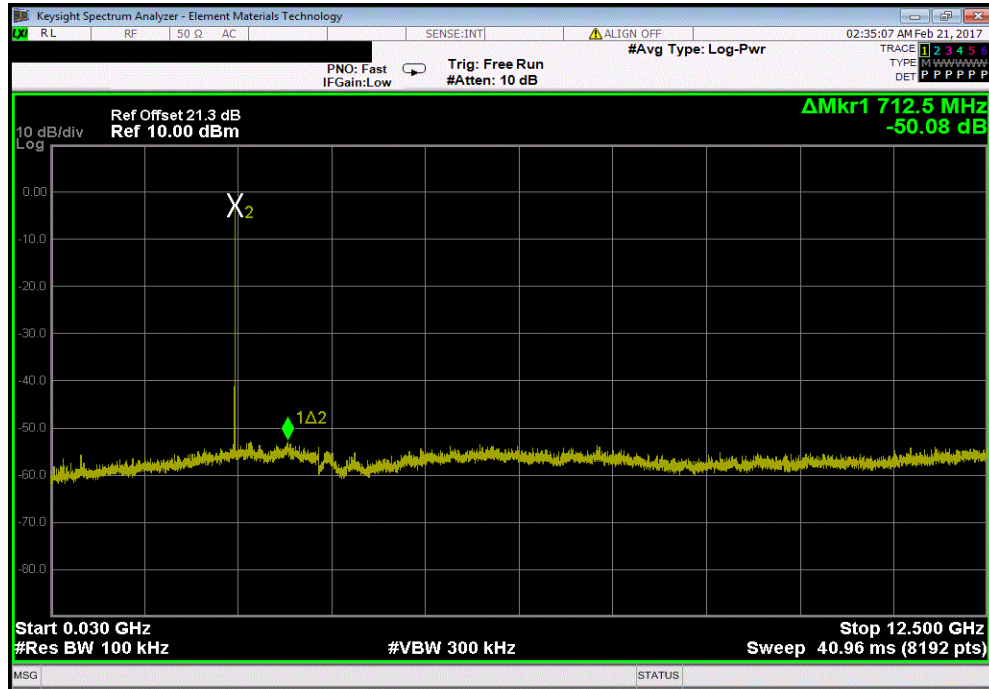


# SPURIOUS CONDUCTED EMISSIONS

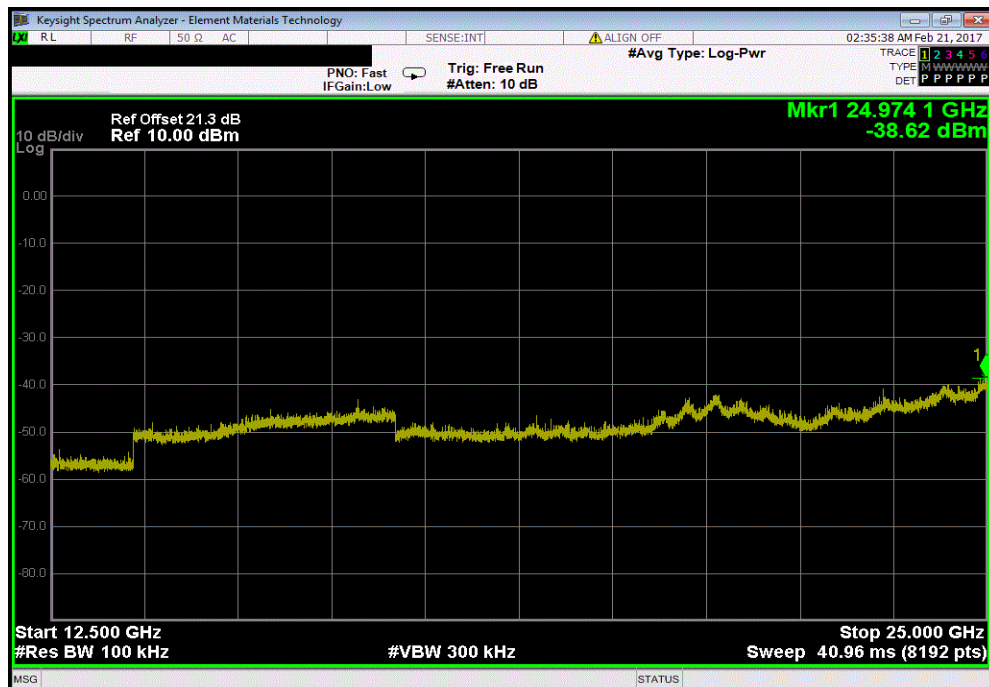


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| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |                 |               |        |  |
|-----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                         | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                       | -50.08          | -20           | Pass   |  |



| 2DH5, pi/4-DQPSK, High Channel 2480 MHz |                 |               |        |  |
|-----------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                         | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                       | -35.81          | -20           | Pass   |  |

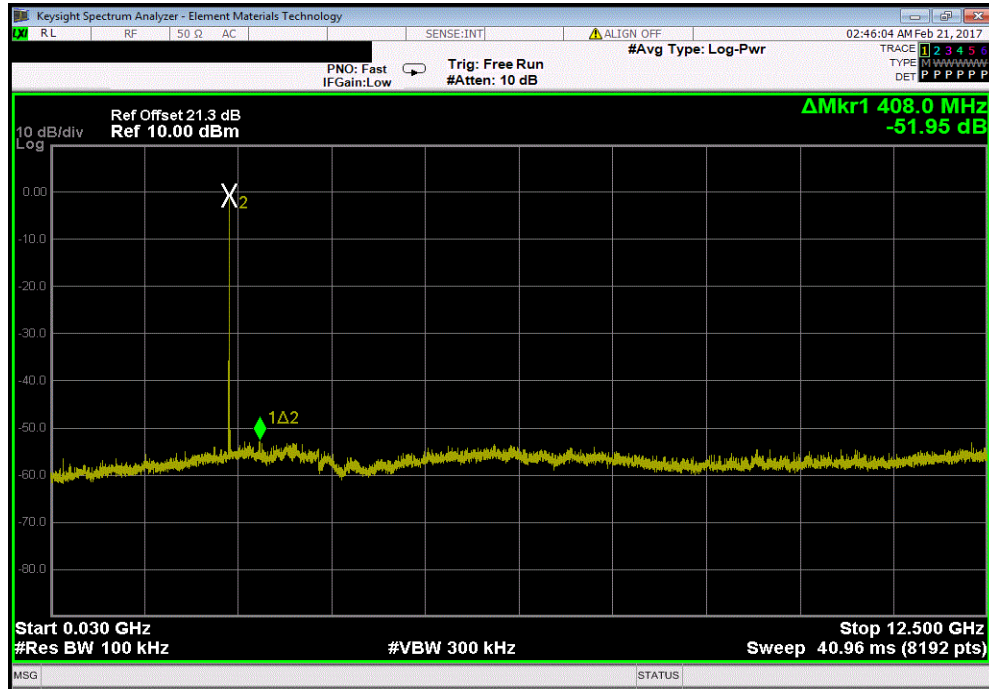


# SPURIOUS CONDUCTED EMISSIONS

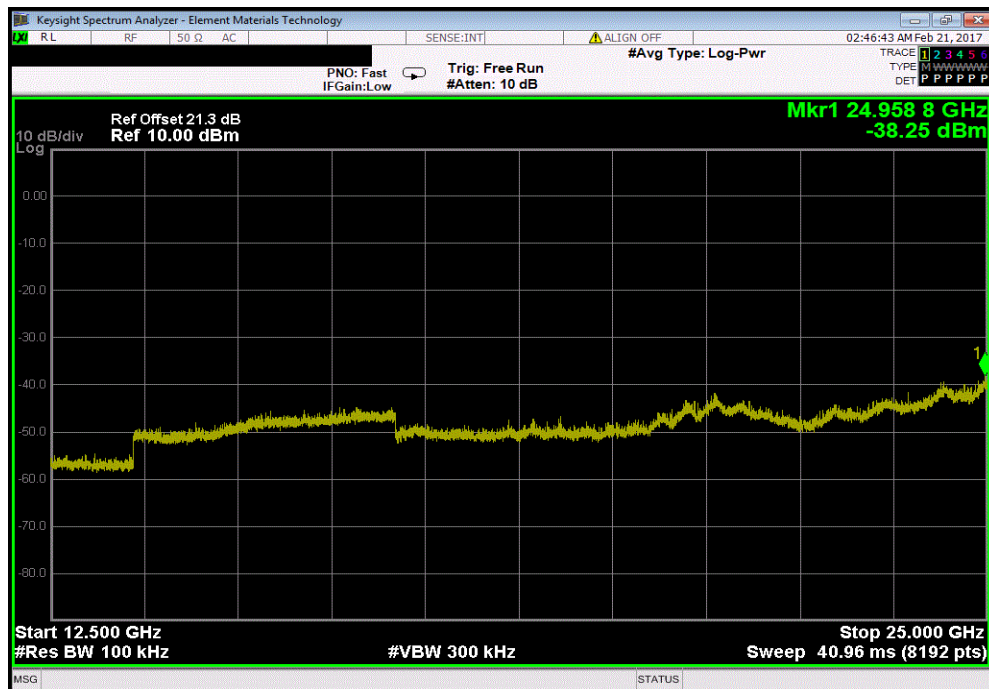


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| 3DH5, 8-DPSK, Low Channel 2402 MHz |                 |               |        |  |
|------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                    | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                  | -51.95          | -20           | Pass   |  |



| 3DH5, 8-DPSK, Low Channel 2402 MHz |                 |               |        |  |
|------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                    | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                  | -37.37          | -20           | Pass   |  |

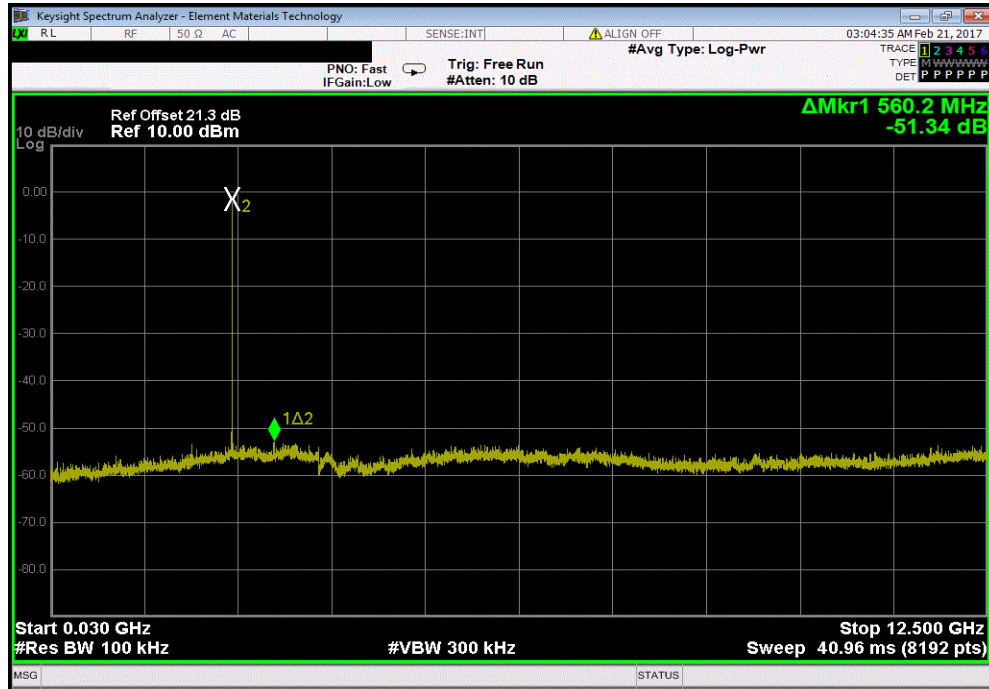


# SPURIOUS CONDUCTED EMISSIONS

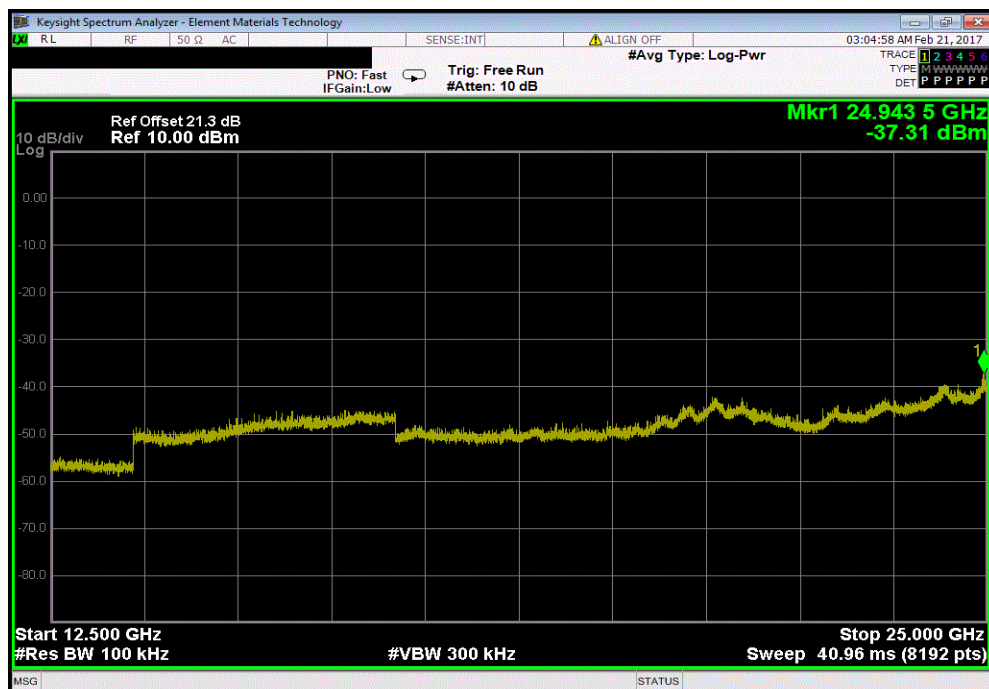


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| 3DH5, 8-DPSK, Mid Channel 2441 MHz |                 |               |        |  |
|------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                    | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                  | -51.34          | -20           | Pass   |  |



| 3DH5, 8-DPSK, Mid Channel 2441 MHz |                 |               |        |  |
|------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                    | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                  | -35.64          | -20           | Pass   |  |

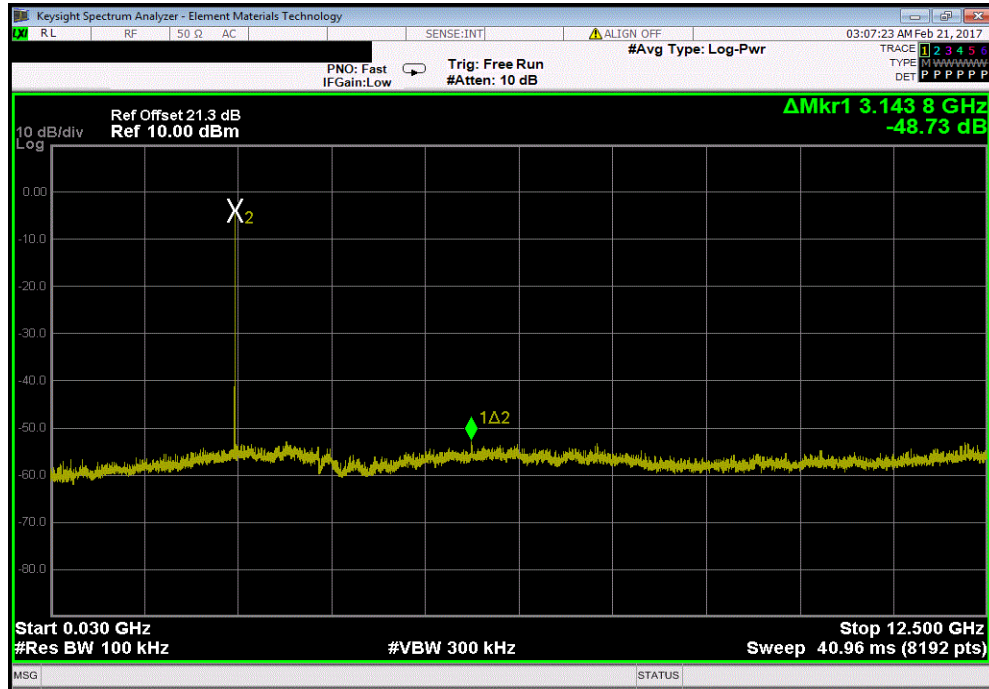


# SPURIOUS CONDUCTED EMISSIONS



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| 3DH5, 8-DPSK, High Channel 2480 MHz |                 |               |        |  |
|-------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                   | -48.73          | -20           | Pass   |  |



| 3DH5, 8-DPSK, High Channel 2480 MHz |                 |               |        |  |
|-------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                   | -34.7           | -20           | Pass   |  |

