

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

| | 1 to built | | | | | | |
|------------------|-------------------------------------|---------|---------|---|--|--|--|
| 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



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

Canada

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

European Union

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

Australia/New Zealand

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

Korea

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

Japan

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

Taiwan

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

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

Singapore

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

Israel

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

Hong Kong

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

Vietnam

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

SCOPE

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

http://portlandcustomer.element.com/ts/scope/scope.htm http://gsi.nist.gov/global/docs/cabs/designations.html

FACILITIES







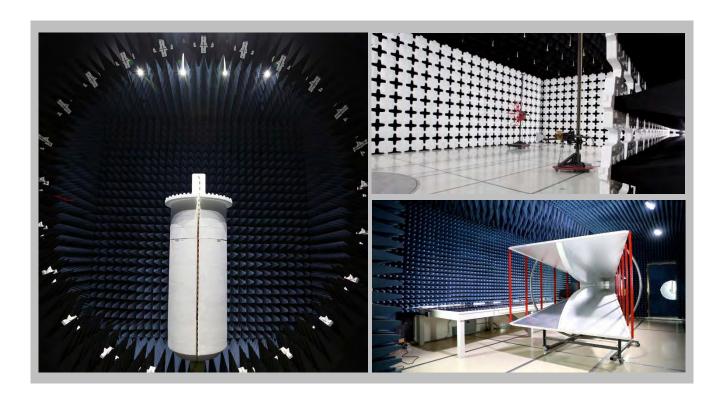
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Minnesota Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136 **New York** Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214 Oregon
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|------------------------------------|--|--------------------------------------|---------------------------------------|-----------------------------------|------------------------------------|--|--|
| | NVLAP | | | | | | |
| NVLAP Lab Code: 200676-0 | NVLAP Lab Code: 200881-0 | NVLAP Lab Code: 200761-0 | NVLAP Lab Code: 200630-0 | NVLAP Lab Code:201049-0 | NVLAP Lab Code: 200629-0 | | |
| | Innovation, Science and Economic Development Canada | | | | | | |
| 2834B-1, 2834B-3 | 2834E-1 | N/A | 2834D-1, 2834D-2 | 2834G-1 | 2834F-1 | | |
| | | BS | MI | | | | |
| SL2-IN-E-1154R | SL2-IN-E-1152R | N/A | SL2-IN-E-1017 | SL2-IN-E-1158R | SL2-IN-E-1153R | | |
| | | VC | CI | | | | |
| A-0029 | A-0109 | N/A | A-0108 | A-0201 | A-0110 | | |
| | Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA | | | | | | |
| US0158 | US0175 | N/A | US0017 | US0191 | US0157 | | |



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.

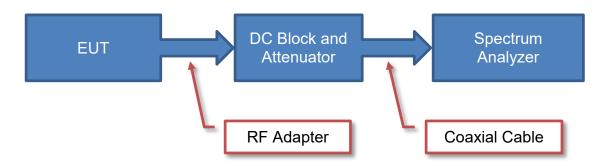
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

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

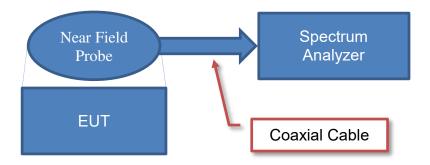
Test Setup Block Diagrams



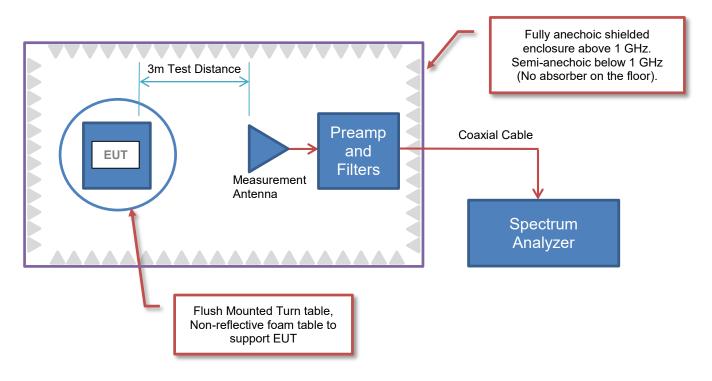
Antenna Port Conducted Measurements



Near Field Test Fixture Measurements



Spurious Radiated Emissions



PRODUCT DESCRIPTION



Client and Equipment Under Test (EUT) Information

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

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

Rangefinder which utilizes a Bluetooth BR/EDR (FHSS) / Low Energy (DTS) radio for communication with smart phone applications.

Testing Objective:

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. 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 | JTNZYZ1 | | | |
| 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. Electro-Optics | None | 000002GA | | | |

| Remote Equipment Outside of Test S | Setup Boundary | | |
|------------------------------------|----------------|-------------------|---------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| USB to UART conversion board | None | FTDI | FTDI232RL |
| Laptop (Dell) | Dell | XPS15 | JTNZYZ1 |

MODIFICATIONS



Equipment Modifications

| Item | Date | Test | Modification | Note | Disposition of EUT |
|------|------------|---------------------------|---------------|----------------------------|--------------------|
| | | | Tested as | No EMI suppression | EUT remained at |
| 1 | 2/20/2017 | Duty Cycle | delivered to | devices were added or | Element following |
| | | | Test Station. | modified during this test. | the test. |
| | | Carrier | Tested as | No EMI suppression | EUT remained at |
| 2 | 2/20/2017 | Frequency | delivered to | devices were added or | Element following |
| | | Separation | Test Station. | modified during this test. | the test. |
| | | Number of | Tested as | No EMI suppression | EUT remained at |
| 3 | 2/20/2017 | Hopping | delivered to | devices were added or | Element following |
| | | Frequencies | Test Station. | modified during this test. | the test. |
| | | | Tested as | No EMI suppression | EUT remained at |
| 4 | 2/20/2017 | Dwell Time | delivered to | devices were added or | Element following |
| | | | Test Station. | modified during this test. | the test. |
| | | Output | Tested as | No EMI suppression | EUT remained at |
| 5 | 2/20/2017 | Power | delivered to | devices were added or | Element following |
| | | rowei | Test Station. | modified during this test. | the test. |
| | | Band Edge | Tested as | No EMI suppression | EUT remained at |
| 6 | 2/20/2017 | Compliance | delivered to | devices were added or | Element following |
| | | - | Test Station. | modified during this test. | the test. |
| | | Band Edge | Tested as | No EMI suppression | EUT remained at |
| 7 | 2/20/2017 | Compliance | delivered to | devices were added or | Element following |
| • | 2/20/2011 | Hopping | Test Station. | modified during this test. | the test. |
| | | Mode | | | a |
| _ | | Occupied | Tested as | No EMI suppression | EUT remained at |
| 8 | 2/20/2017 | Bandwidth | delivered to | devices were added or | Element following |
| | | 24 | Test Station. | modified during this test. | the test. |
| _ | | Spurious | Tested as | No EMI suppression | EUT remained at |
| 9 | 2/20/2017 | Conducted | delivered to | devices were added or | Element following |
| | | Emissions | Test Station. | modified during this test. | the test. |
| 4.0 | 0/00/00/4- | Spurious | Tested as | No EMI suppression | Scheduled testing |
| 10 | 2/23/2017 | Radiated | delivered to | devices were added or | was completed. |
| | | Emissions | Test Station. | modified during this test. | |

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



| | | | | | EmiR5 2017.01.25 | PSA-ESCI 2017.01.26 |
|---------------------|----------------------|-----------------------------|---------------------|---------------|-------------------------------|---------------------|
| Work Order: | SIGS0004 | Date: | 02/23/17 | | 7 | |
| Project: | None | Temperature: | 23.3 °C | | 1-11- | \triangle |
| Job Site: | EV01 | Humidity: | 29.8% RH | | | - |
| Serial Number: | 000002GA | Barometric Pres.: | 1028 mbar | Te | ested by: Brandon Hobbs | |
| EUT: | KILO2400ABS Range | efinder | | | | |
| Configuration: | 3 | | | | | |
| | Sig Sauer, Inc. | | | | | |
| Customer: | Electro-Optics | | | | | |
| Attendees: | Don Cramer | | | | | |
| EUT Power: | Battery (3.0VDC) | | | | | |
| Operating Mode: | Continuous Tx, Pleas | e reference the data con | nments for EUT ope | rating mode | | |
| Deviations: | None | | | | | |
| Comments: | | arty software to control ra | idio module. Please | reference the | e data comments for EUT oriei | ntation and |
| Test Specifications | | | Test Meth | nod | | |
| FCC 15 247:2017 | • | | ANSI C63 | 10.2013 | | |

FCC 15.247:2017

| Run # 19 | Test Distance (m) 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-----------------|---------------------|-------------------|-----------|----------|-------|
| 80 | | | | | |
| 70 | | | | | |
| 60 | | | | | |
| 50 | | | | | |
| 40 | | | • | | |
| 30 | | | <u> </u> | <u> </u> | |
| 20 | | | | | |
| 10 | | | | | |
| 0 10 | 100 | 1000 | 10000 | | 10000 |

| 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 (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 |
|---------------|---------------------|----------------|-------------------------------|-------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|------------------------------------|
| 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 |

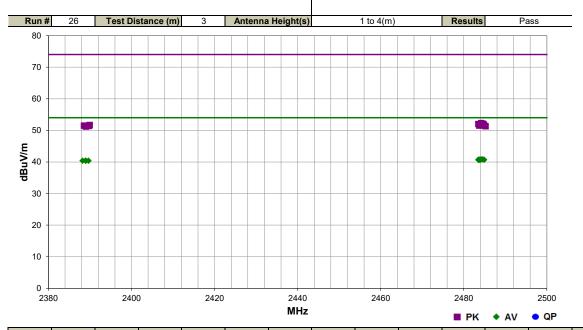
SPURIOUS RADIATED EMISSIONS



| | | | | | EmiR5 2017.01.25 | PSA-ESCI 2017.01.26 |
|---------------------|----------------------|-----------------------------|------------------|-----------------|------------------------------|---------------------|
| Work Order: | SIGS0004 | Date: | 02/23/17 | | 7 / | |
| Project: | None | Temperature: | 23.3 °C | | 1.1 | |
| Job Site: | EV01 | Humidity: | 29.8% RH | | | 8 |
| Serial Number: | 000002GA | Barometric Pres.: | 1028 mbar | | Tested by: Brandon Hobbs | |
| EUT: | KILO2400ABS Range | efinder | | | | |
| Configuration: | 3 | | | | | |
| | Sig Sauer, Inc. | | | | | |
| Customer: | Electro-Optics | | | | | |
| Attendees: | Don Cramer | | | | | |
| EUT Power: | Battery (3.0VDC) | | | | | |
| Operating Mode: | Continuous Tx, Pleas | e reference the data cor | mments for EUT | operating mode | • | |
| Deviations: | None | | | | | |
| Comments: | | arty software to control ra | adio module. Ple | ase reference t | he data comments for EUT ori | entation and |
| Test Specifications | | | Test I | Method | | |

FCC 15.247:2017

ANSI C63.10:2013



| Freq | 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) | |
|----------|---------------------|----------------|-------------------------------|-------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|------------------------------------|
| (MHz) | (3504) | (35) | (| (dogreco) | (| (35) | | | (35) | (GBGV/III) | (GDGV/III) | (35) | 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 |



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.

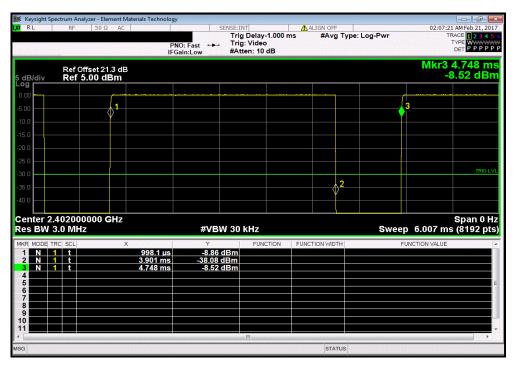
If the transmit duty cycle < 98 percent, burst gating may have been used during some of the other tests in this report to only take the measurement during the burst duration.



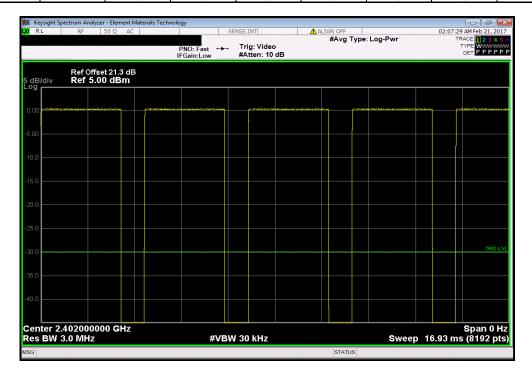
| | | | | | | | TbtTx 2017.01.27 | XMit 2017.01 |
|-------------------------------|---|-------------|---|--|--|---|--|--|
| | : KILO2400ABS Rangefinder | | | | | Work Order | | |
| Serial Number | : KILO2400ABS | | | | | | : 02/20/17 | |
| Customer | Sig Sauer, Inc. | | | | | Temperature | : 24.1 °C | |
| | Electro-Optics | | | | | | | |
| Attendees | : Don Cramer | | | | | | : 38.8% RH | |
| Project | | | | | E | Barometric Pres. | | |
| Tested by | : Brandon Hobbs | | Power: Battery (3.0VDC) | | | Job Site | : EV06 | |
| TEST SPECIFICAT | TIONS | | Test Method | | | | | |
| FCC 15.247:2017 | | | ANSI C63.10:2013 | | | | | |
| | | | | | | | | |
| COMMENTS | | | | | | | | |
| Client provided 3 | party software to control radio | module. | | | | | | |
| | | | | | | | | |
| | M TEST STANDARD | | | | | | | |
| None | | | | | | | | |
| Cantinumation # | 1 1 | | 2 /1 1 | | | | | |
| Configuration # | 1 | Signature | 3-1 | | | | | |
| | <u> </u> | Olginatur 0 | | | Number of | Value | Limit | |
| | | | Pulse Width | Period | Pulses | (%) | (%) | Results |
| | | | ruise Wiutii | i ciioa | | | | |
| DH5, GFSK | | | r dise Width | 1 61164 | i discs | (70) | (70) | 11000110 |
| DH5, GFSK | Low Channel 2402 MHz | | 2.903 ms | 3.75 ms | 1 | 77.4 | N/A | N/A |
| DH5, GFSK | Low Channel 2402 MHz Low Channel 2402 MHz | | | | | | | |
| DH5, GFSK | | | 2.903 ms | 3.75 ms | 1 | 77.4 | N/A | N/A |
| DH5, GFSK | Low Channel 2402 MHz | | 2.903 ms N/A | 3.75 ms N/A | 1 5 | 77.4 N/A | N/A N/A | N/A N/A |
| DH5, GFSK | Low Channel 2402 MHz Mid Channel 2441 MHz | | 2.903 ms N/A 2.903 ms | 3.75 ms N/A 3.75 ms | 1 5 1 | 77.4 N/A 77.4 | N/A N/A N/A | N/A N/A N/A |
| DH5, GFSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz | | 2.903 ms N/A 2.903 ms N/A | 3.75 ms N/A 3.75 ms N/A | 1 5 1 | 77.4 N/A 77.4 N/A | N/A N/A N/A N/A | N/A N/A N/A N/A |
| · | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 | N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A |
| | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 | N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A |
| | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A | 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A | N/A N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A |
| · | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A | N/A N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A N/A |
| DH5, GFSK 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A | 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A | N/A N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A N/A |
| · | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2402 MHz Mid Channel 2404 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A | N/A N/A N/A N/A N/A N/A N/A N/A | N/A N/A N/A N/A N/A N/A N/A |
| | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A | 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A | N/A | N/A N/A N/A N/A N/A N/A N/A N/A |
| 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2441 MHz High Channel 2448 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A 2.91 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 | N/A | N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| · | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2441 MHz High Channel 2448 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A 2.91 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 1 5 1 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 | N/A | N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2492 MHz Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz Mid Channel 2440 MHz High Channel 2480 MHz High Channel 2480 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A 2.91 ms N/A | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A | 1 5 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 N/A | N/A | N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2404 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2480 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A 2.91 ms N/A 2.91 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 N/A | N/A | N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Low Channel 2404 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2480 MHz Low Channel 2480 MHz Low Channel 2492 MHz Low Channel 2402 MHz Low Channel 2402 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.91 ms N/A 2.91 ms N/A 2.91 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms | 1 5 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 N/A | N/A | NIA |
| 2DH5, pi/4-DQPSK | Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 2480 MHz High Channel 2480 MHz Low Channel 2402 MHz Low Channel 2402 MHz Mid Channel 2441 MHz Mid Channel 2441 MHz High Channel 24480 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz | | 2.903 ms N/A 2.903 ms N/A 2.903 ms N/A 2.909 ms N/A 2.911 ms N/A 2.911 ms N/A 2.911 ms N/A 2.913 ms | 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A 3.75 ms N/A | 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 | 77.4 N/A 77.4 N/A 77.4 N/A 77.6 N/A 77.6 N/A 77.6 N/A 77.6 N/A | N/A | N/A |



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





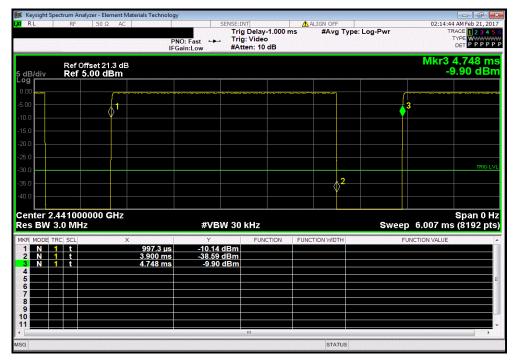
TbtTx 2017.01.27

DH5, GFSK, Mid Channel 2441 MHz

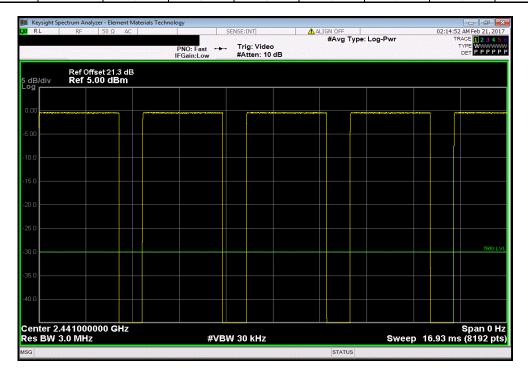
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.903 ms 3.75 ms 1 77.4 N/A N/A



| | DH5, GFSK, Mid Channel 2441 MHz | | | | | | | | | |
|---|---------------------------------|-------------|--------|-----------|-------|-------|---------|--|--|--|
| | | | | Number of | Value | Limit | | | | |
| | | Pulse Width | Period | Pulses | (%) | (%) | Results | | | |
| 1 | | N/A | N/A | 5 | N/A | N/A | N/A | | | |





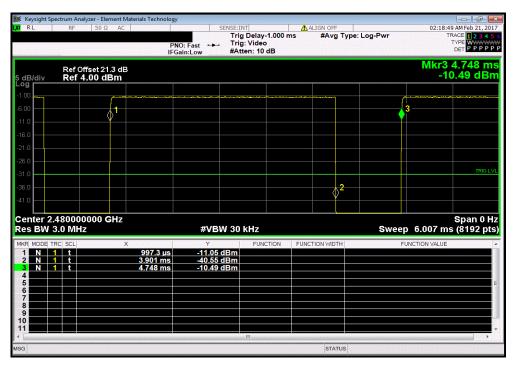
TbtTx 2017.01.27

DH5, GFSK, High Channel 2480 MHz

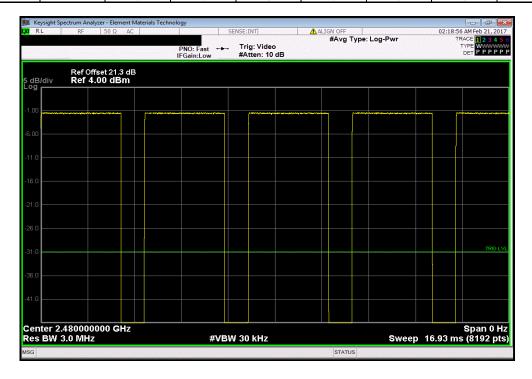
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.903 ms 3.75 ms 1 77.4 N/A N/A



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



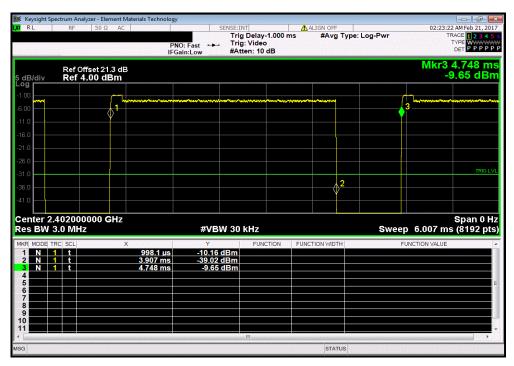


2DH5, pi/4-DQPSK, Low Channel 2402 MHz

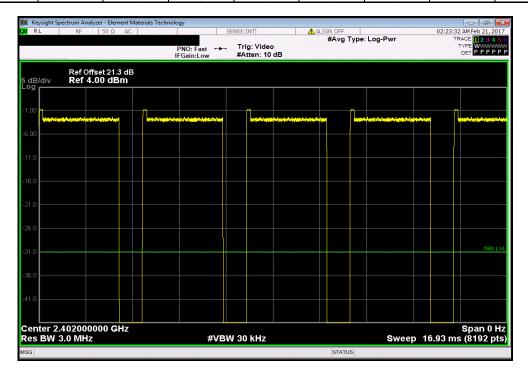
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.909 ms 3.75 ms 1 77.6 N/A N/A

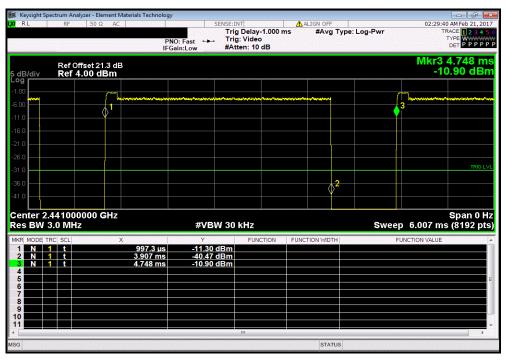


| | 2DH5, pi/4-DQPSK, Low Channel 2402 MHz | | | | | | | | | |
|---|--|-------------|--------|-----------|-------|-------|---------|--|--|--|
| | | | | Number of | Value | Limit | | | | |
| | | Pulse Width | Period | Pulses | (%) | (%) | Results | | | |
| l | | N/A | N/A | 5 | N/A | N/A | N/A | | | |

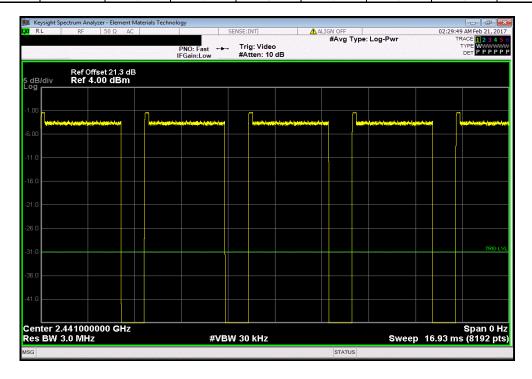




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| | 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz | | | | | | | | | |
|---|--|-------------|--------|-----------|-------|-------|---------|--|--|--|
| | | | | Number of | Value | Limit | | | | |
| | | Pulse Width | Period | Pulses | (%) | (%) | Results |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





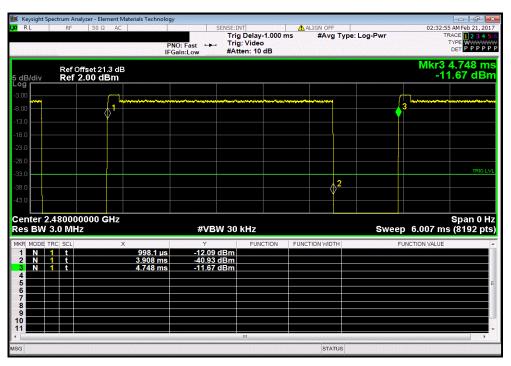
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2DH5, pi/4-DQPSK, High Channel 2480 MHz

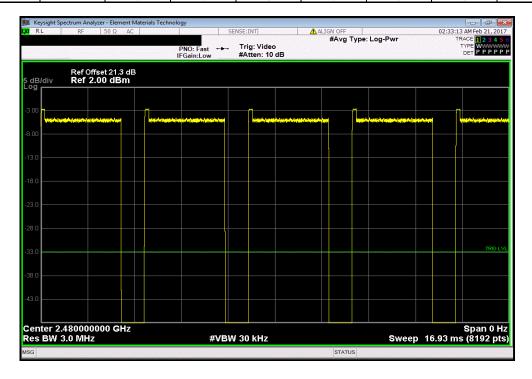
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.91 ms 3.75 ms 1 77.6 N/A N/A



| | 2DH5, pi/4-DQPSK, High Channel 2480 MHz | | | | | | | | | |
|---|---|-------------|--------|-----------|-------|-------|---------|--|--|--|
| | | | | Number of | Value | Limit | | | | |
| | | Pulse Width | Period | Pulses | (%) | (%) | Results | | | |
| 1 | | N/A | N/A | 5 | N/A | N/A | N/A | | | |





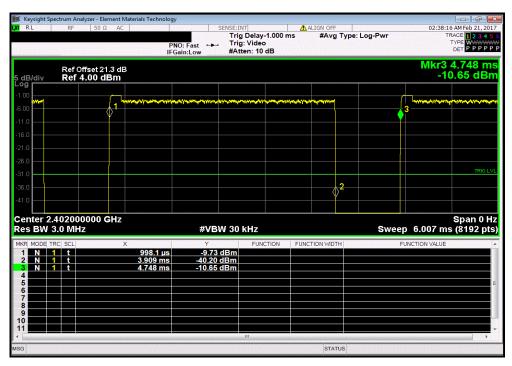
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3DH5, 8-DPSK, Low Channel 2402 MHz

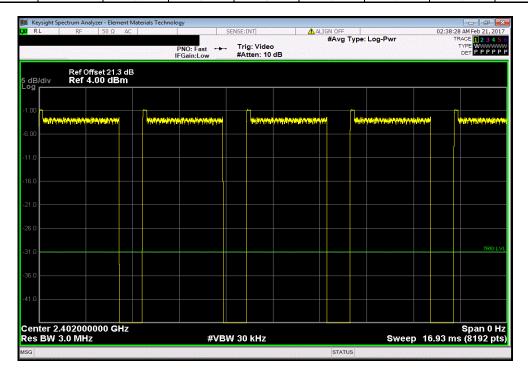
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.911 ms 3.75 ms 1 77.6 N/A N/A



| | el 2402 MHz | | | | | |
|--|-------------|--------|-----------|-------|-------|---------|
| | | | Number of | Value | Limit | |
| | Pulse Width | Period | Pulses | (%) | (%) | Results |
| | N/A | N/A | 5 | N/A | N/A | N/A |





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3DH5, 8-DPSK, Mid Channel 2441 MHz

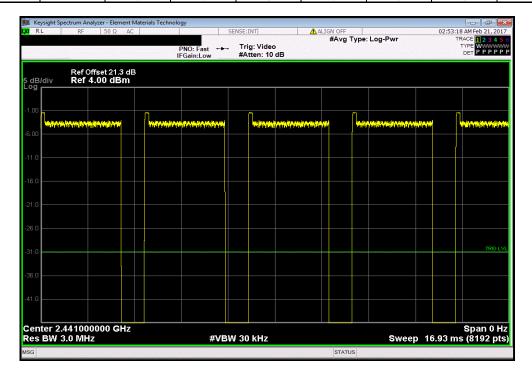
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.913 ms 3.75 ms 1 77.7 N/A N/A



| | l 2441 MHz | | | | | |
|--|-------------|--------|-----------|-------|-------|---------|
| | | | Number of | Value | Limit | |
| | Pulse Width | Period | Pulses | (%) | (%) | Results |
| | N/A | N/A | 5 | N/A | N/A | N/A |





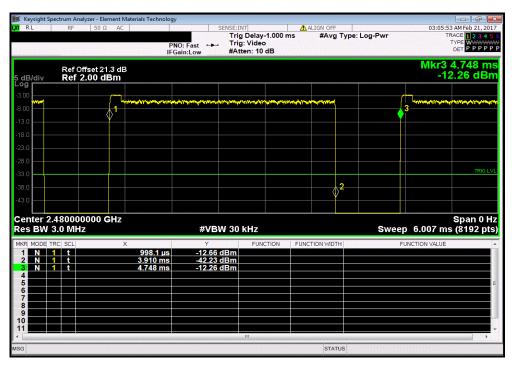
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3DH5, 8-DPSK, High Channel 2480 MHz

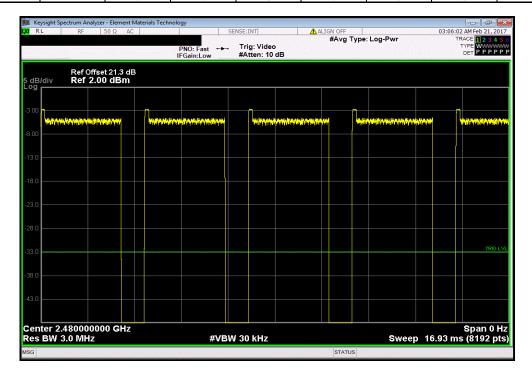
Number of Value Limit

Pulse Width Period Pulses (%) (%) Results

2.912 ms 3.75 ms 1 77.6 N/A N/A



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



CARRIER FREQUENCY SEPARATION



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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



| | | | | | TbtTx 2017.01.27 | XMit 2017.01.26 | | |
|---|-----------------------|-------------------------|-----------|--------------|------------------|-----------------|--|--|
| EUT: KILO2400A | ABS Rangefinder | | | Work Order: | SIGS0004 | | | |
| Serial Number: KILO2400 | ABS | | | Date: | 02/20/17 | | | |
| Customer: Sig Sauer, | Inc. | | | Temperature: | 24.1 °C | | | |
| Electro-Op | otics | | | | | | | |
| Attendees: Don Cram | er | | | | 38.9% RH | | | |
| Project: None | | Barometric Pres.: | 1008 mbar | | | | | |
| Tested by: Brandon F | lobbs | Power: Battery (3.0VDC) | | Job Site: | EV06 | | | |
| TEST SPECIFICATIONS | | | | | | | | |
| FCC 15.247:2017 | | | | | | | | |
| | | | | | | | | |
| COMMENTS | | | | | | | | |
| Client provided 3 party software to control radio module. | | | | | | | | |
| | | | | | | | | |
| DEVIATIONS FROM TEST STA | NDARD | | | | | | | |
| None | | | | | | | | |
| Configuration # | 1 Signature | J. J. | | | | | | |
| | | | | | Limit | | | |
| | | | | Value | (≥) | Results | | |
| Hopping Mode | | | | | | | | |
| DH5, GFSI | (| | | | | | | |
| | Mid Channel, 2441 MHz | | 983 kHz | 930 kHz | Pass | | | |

CARRIER FREQUENCY SEPARATION

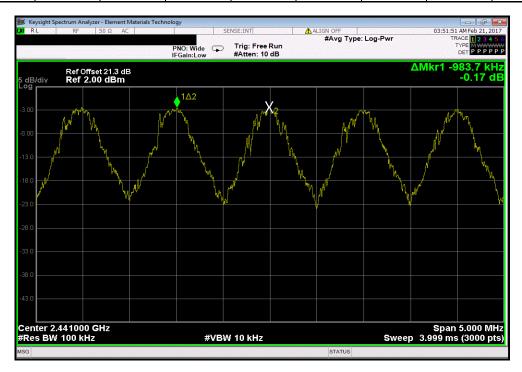


Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz

Limit

Value (≥) Results

983 kHz 930 kHz Pass



NUMBER OF HOPPING FREQUENCIES



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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



| | | | | | TbtTx 2017.01.27 | XMit 2017.01.26 |
|---------------------|--|-------------------|---------------|--------------|------------------|-----------------|
| EUT: | KILO2400ABS Rangefinder | | | Work Order: | SIGS0004 | |
| Serial Number: | KILO2400ABS | Date: | 02/20/17 | | | |
| Customor | Sig Sauer, Inc. | | | Temperature: | 24.1 °C | |
| Gustoillei. | Electro-Optics | | | | | |
| Attendees: | Don Cramer | Humidity: | 38.9% RH | | | |
| Project: | None | Barometric Pres.: | 1008 mbar | | | |
| Tested by: | Brandon Hobbs | Power: Bat | tery (3.0VDC) | Job Site: | EV06 | |
| TEST SPECIFICATI | ONS | Tes | st Method | | | |
| FCC 15.247:2017 | | | | | | |
| | | | | | | |
| COMMENTS | | | | | | |
| Client provided 3 p | arty software to control radio module. | | | | | |
| | | | | | | |
| DEVIATIONS FROM | TEST STANDARD | | | | | |
| None | | | | | | |
| Configuration # | 1 Signature | 2-4 | Jal | | | |
| | | | | Number of | | |
| | | | | Channels | Limit | Results |
| Hopping Mode | | | _ | | | |
| | DH5, GFSK | | | | | |
| | Mid Channel, 2441 MHz | | | 79 | 15 | Pass |

NUMBER OF HOPPING FREQUENCIES



Hopping Mode, DH5, GFSK, Mid Channel, 2441 MHz

Number of
Channels Limit Results

79 15 Pass





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 | D | 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



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

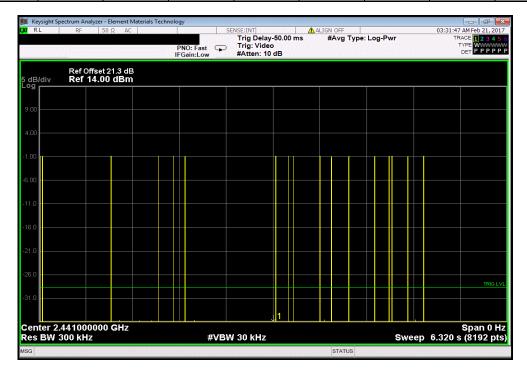


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| | | H | Hopping Mode, DI | H5, GFSK, Mid C | hannel, 2441 MH | Z | |
|---|------------|-----------|------------------|-----------------|-----------------|-------|---------|
| P | ulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| | (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| | 2.901 | N/A | N/A | N/A | N/A | N/A | N/A |



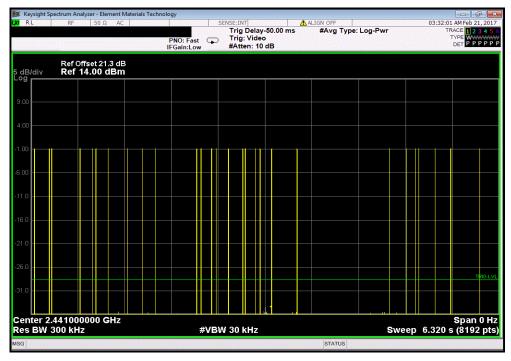
| | ŀ | Hopping Mode, DI | H5, GFSK, Mid C | hannel, 2441 MH | Z | |
|-------------|-----------|------------------|-----------------|-----------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| N/A | 26 | N/A | N/A | N/A | N/A | N/A |



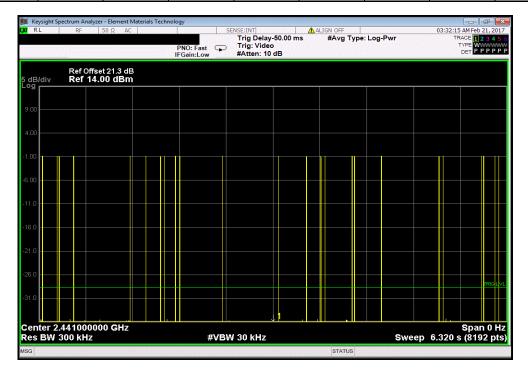


TbtTx 2017.01.27 XMit 2017.01.26

| | ŀ | Hopping Mode, DI | H5, GFSK, Mid C | hannel, 2441 MH | Z | | |
|-------------|-----------|------------------|-----------------|-----------------|-------|---------|---|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results | |
| N/A | 17 | N/A | N/A | N/A | N/A | N/A | I |



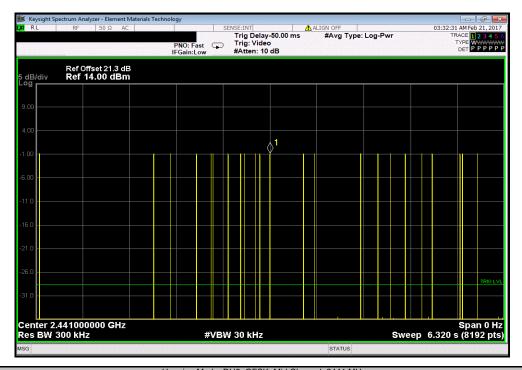
| | | Hopping Mode, D | H5, GFSK, Mid C | hannel, 2441 MH | Z | |
|-------|--------------|-----------------|-----------------|-----------------|-------|---------|
| Pulse | Width Number | of Average No. | Scale | On Time (ms) | Limit | |
| (r | ns) Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| | /A 24 | N/A | N/A | N/A | N/A | N/A |





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| | ŀ | Hopping Mode, DI | H5, GFSK, Mid C | hannel, 2441 MH | Z | | |
|-------------|-----------|------------------|-----------------|-----------------|-------|---------|---|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results | |
| N/A | 23 | N/A | N/A | N/A | N/A | N/A | l |



| | | Hopping Mode, Di | 45, GFSK, Mid (| Channel, 2441 MH | Z | |
|-------------|-----------|------------------|-----------------|------------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| 2.901 | N/A | 22.5 | 5 | 326.36 | 400 | Pass |

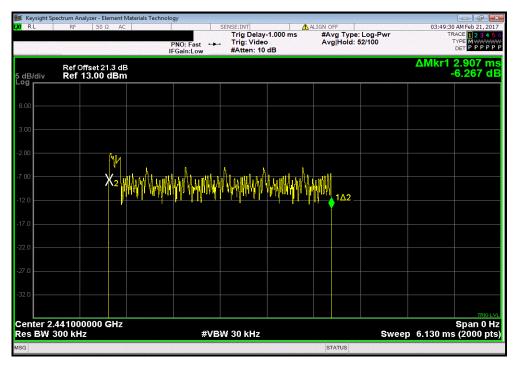
Calculation Only

No Screen Capture Required

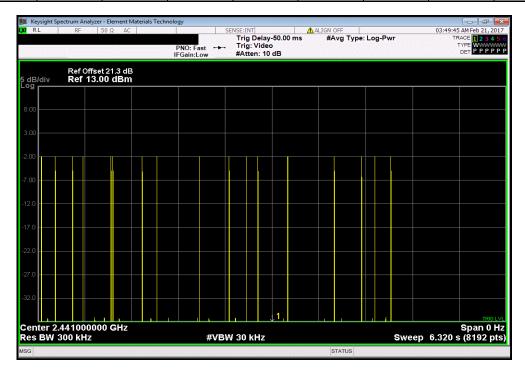


TbtTx 2017.01.27 XMit 2017.01.26

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



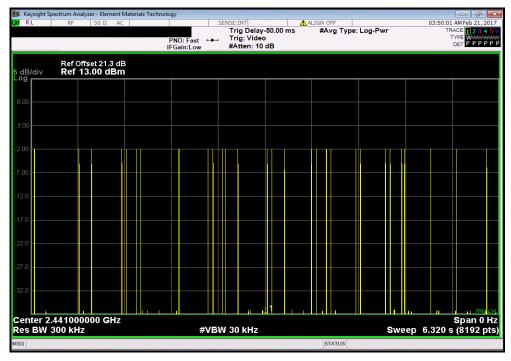
| | Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz | | | | | | | | | | |
|----|---|-----------|-------------|--------|---------------|-------|---------|--|--|--|--|
| Pu | lse Width | Number of | Average No. | Scale | On Time (ms) | Limit | | | | | |
| | (ms) | Pulses | of Pulses | Factor | During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



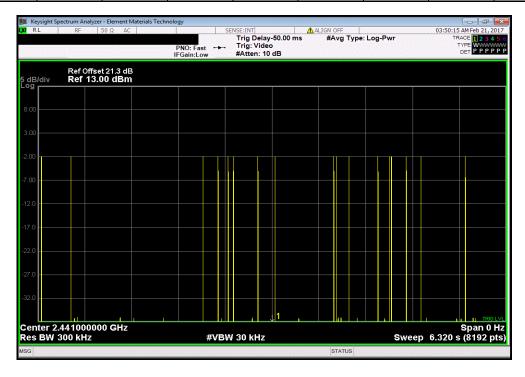


TbtTx 2017.01.27 XMit 2017.01.26

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



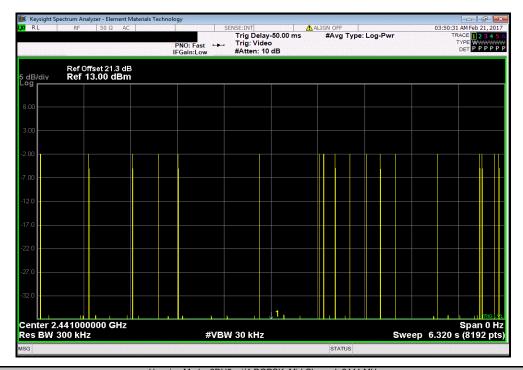
| | Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2441 MHz | | | | | | | | | | |
|----|---|-----------|-------------|--------|---------------|-------|---------|--|--|--|--|
| Pu | lse Width | Number of | Average No. | Scale | On Time (ms) | Limit | | | | | |
| | (ms) | Pulses | of Pulses | Factor | During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





TbtTx 2017.01.27 XMit 2017.01.26

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



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

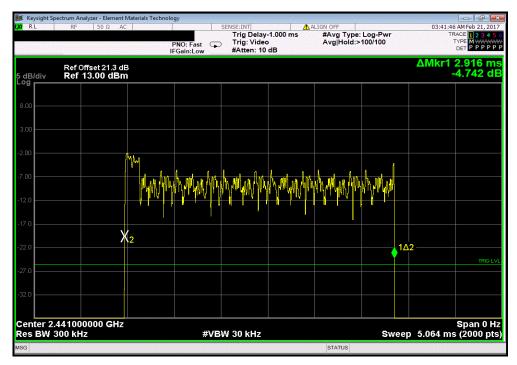
Calculation Only

No Screen Capture Required

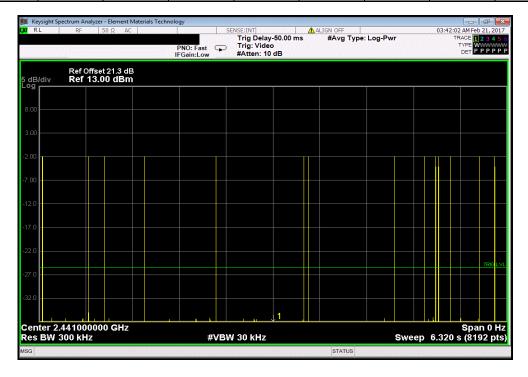


TbtTx 2017.01.27 XMit 2017.01.26

| | H | opping Mode, 3DI | H5, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|------------|-----------|------------------|-----------------|-----------------|-------|---------|
| Pulse Widt | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| 2.916 | N/A | N/A | N/A | N/A | N/A | N/A |



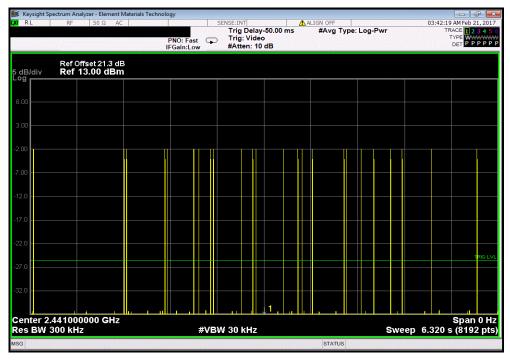
| | Ho | opping Mode, 3DI | 15, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|-------------|-----------|------------------|-----------------|-----------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| N/A | 28 | N/A | N/A | N/A | N/A | N/A |



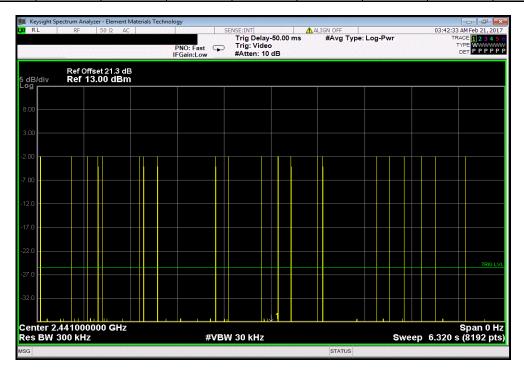


TbtTx 2017.01.27 XMit 2017.01.26

| | Ho | pping Mode, 3DI | 15, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|-------------|-----------|-----------------|-----------------|-----------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| N/A | 24 | N/A | N/A | N/A | N/A | N/A |



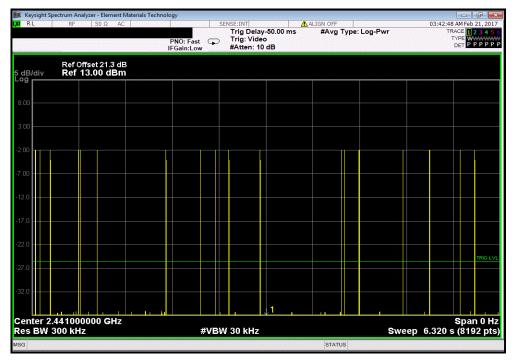
| | Ho | opping Mode, 3DI | H5, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|-------------|-----------|------------------|-----------------|-----------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| N/A | 21 | N/A | N/A | N/A | N/A | N/A |





TbtTx 2017.01.27 XMit 2017.01.26

| | | Ho | pping Mode, 3DH | 15, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|---|-------------|-----------|-----------------|-----------------|-----------------|-------|---------|
| | Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| | (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| ſ | N/A | 24 | N/A | N/A | N/A | N/A | N/A |



| | Но | pping Mode, 3DF | 15, 8-DPSK, Mid | Channel, 2441 M | Hz | |
|-------------|-----------|-----------------|-----------------|-----------------|-------|---------|
| Pulse Width | Number of | Average No. | Scale | On Time (ms) | Limit | |
| (ms) | Pulses | of Pulses | Factor | During 31.6 s | (ms) | Results |
| 2.916 | N/A | 24.25 | 5 | 353.56 | 400 | Pass |

Calculation Only

No Screen Capture Required



XMit 2017 01 2

44/78

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.



| | | | | | | | | | TbtTx 2017.01.27 | XMit 2017.0 |
|------------------------------|--|--------------|------|-------|--------------------|----------|----------------------------------|---|--|--|
| | KILO2400ABS Rangefind | ler | | | | | | | : SIGS0004 | |
| Serial Number: | KILO2400ABS | | | | | | | | 02/20/17 | |
| Customer | Sig Sauer, Inc. | | | | | | Te | emperature | 24.2 °C | |
| | Electro-Optics | | | | | | | | | |
| Attendees: | Don Cramer | | | | | | | | : 38.7% RH | |
| Project | None | | | | | | Baron | netric Pres. | 1008 mbar | |
| Tested by: | : Brandon Hobbs | | | Power | : Battery (3.0VDC) | | | Job Site | : EV06 | |
| TEST SPECIFICAT | TONS | | | | Test Method | | | | | |
| FCC 15.247:2017 | | | | | ANSI C63.10:2013 | | | | | |
| | | | | | | | | | | |
| COMMENTS | | | | | | <u> </u> | | | | · |
| lient provided 3 p | party software to control ra | adio module. | | | | | | | | |
| | • | | | | | | | | | |
| | | | | | | | | | | |
| EVIATIONS FROM | M TEST STANDARD | | | | | | | | | |
| None | | | | | | | | | | |
| | | | | | | | | | | |
| Configuration # | 1 | | | | | | | | | |
| | | | | 1 | 1-1 | | | | | |
| | | Signature | re = | 7-7 | 3-1 | | | | | |
| | | Signatur | re = | 7 | JA | | | | Limit | |
| | | Signatur | re | 7 | JA | | | Value | Limit (<) | Result |
| DH5, GFSK | | Signatur | re | 7 | Jan | | | Value | | Result |
| DH5, GFSK | Low Channel 2402 MHz | Signatur | re | | Jal | | | Value 132 mW | | Result |
| DH5, GFSK | Low Channel 2402 MHz Mid Channel 2441 MHz | Signatur | re 7 | | | | 1. | | (<) | |
| DH5, GFSK | | Signatur | re 7 | | Jan | | 1. 96 | 132 mW | (<) 125 mW | Pass |
| | Mid Channel 2441 MHz High Channel 2480 MHz | Signatur | e | | JA | | 1. 96 | 132 mW 7.27 uW | (<) 125 mW 125 mW | Pass Pass |
| DH5, GFSK DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz | Signatun | re | | J_A | | 1. 96 77 | 132 mW 7.27 uW | (<) 125 mW 125 mW | Pass Pass |
| | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz | Signatun | re | | J-A | | 1. 96 77 | 132 mW 7.27 uW 0.09 uW | (<) 125 mW 125 mW 125 mW | Pass Pass Pass |
| | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz | Signatur | re | | J_A | | 1. 969 77 89 79 | 132 mW 7.27 uW 0.09 uW | 125 mW 125 mW 125 mW 125 mW 125 mW | Pass Pass Pass |
| DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz | Signatun | re = | | J_A | | 1. 969 77 89 79 | 132 mW 7.27 uW 0.09 uW 4.02 uW 2.42 uW | (<) 125 mW 125 mW 125 mW | Pass Pass Pass Pass Pass |
| PDH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2480 MHz | Signatun | e | | JA | | 1. 96 77 88 79 50 | 132 mW 7.27 uW 0.09 uW 4.02 uW 2.42 uW 97.1 uW | 125 mW 125 mW 125 mW 125 mW 125 mW 125 mW | Pass Pass Pass Pass Pass |
| | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz | Signatun | e | | J_A | | 1. 96 77 88 75 51 | 132 mW 7.27 uW 0.09 uW 4.02 uW 2.42 uW 97.1 uW | 125 mW 125 mW 125 mW 125 mW 125 mW 125 mW 125 mW | Pass Pass Pass Pass Pass Pass Pass Pass |
| DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2480 MHz | Signatun | e | | | | 1. 96 77 88 75 51 | 132 mW 7.27 uW 0.09 uW 4.02 uW 2.42 uW 97.1 uW | 125 mW 125 mW 125 mW 125 mW 125 mW 125 mW | Pass Pass Pass Pass Pass Pass |

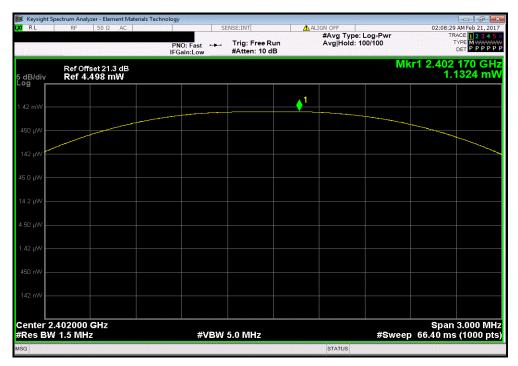


DH5, GFSK, Low Channel 2402 MHz

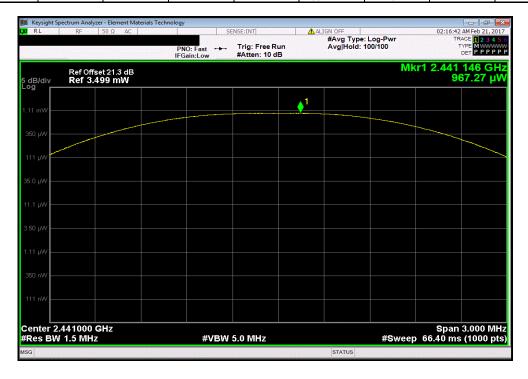
Limit

Value (<) Result

1.132 mW 125 mW Pass



| | DH5, GFS | SK, Mid Channel | 2441 MHz | | |
|--|----------|-----------------|-----------|--------|--------|
| | | | | Limit | |
| | | | Value | (<) | Result |
| | | | 967.27 uW | 125 mW | Pass |



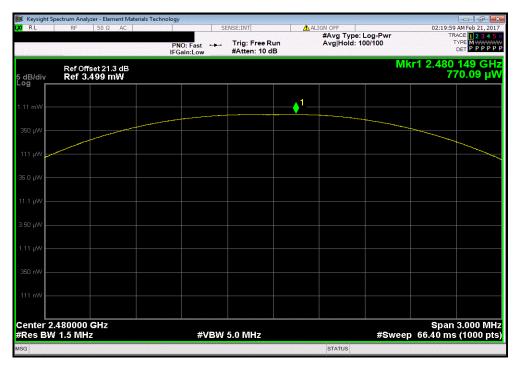


DH5, GFSK, High Channel 2480 MHz

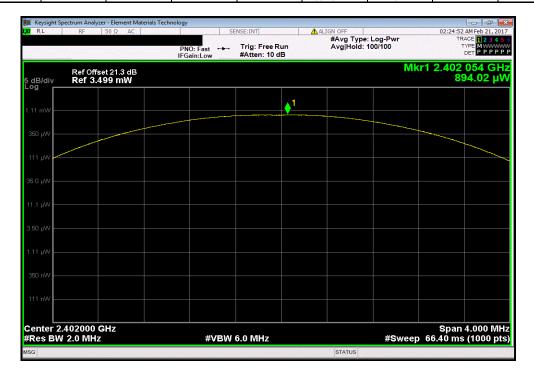
Limit

Value (<) Result

770.09 uW 125 mW Pass



| | 2DH5, pi/4-D0 | QPSK, Low Chan | nel 2402 MHz | | |
|--|---------------|----------------|--------------|--------|--------|
| | | | | Limit | |
| | | | Value | (<) | Result |
| | | | 894.02 uW | 125 mW | Pass |



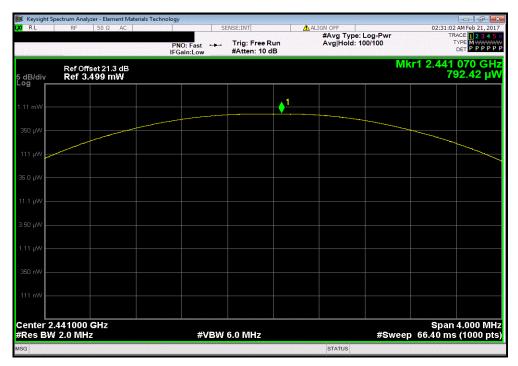


2DH5, pi/4-DQPSK, Mid Channel 2441 MHz

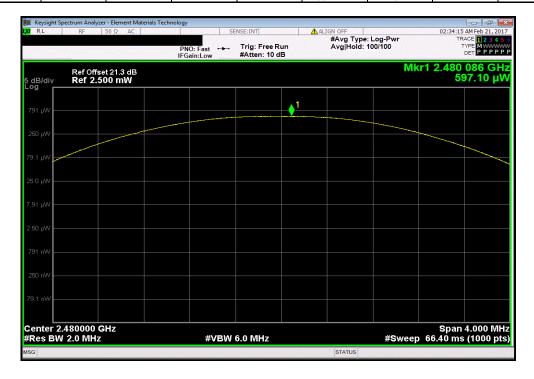
Limit

Value (<) Result

792.42 uW 125 mW Pass



| | 2DH5, pi/4-D0 | QPSK, High Char | nel 2480 MHz | | |
|--|---------------|-----------------|--------------|--------|--------|
| | | | | Limit | |
| | | | Value | (<) | Result |
| | | | 597.1 uW | 125 mW | Pass |



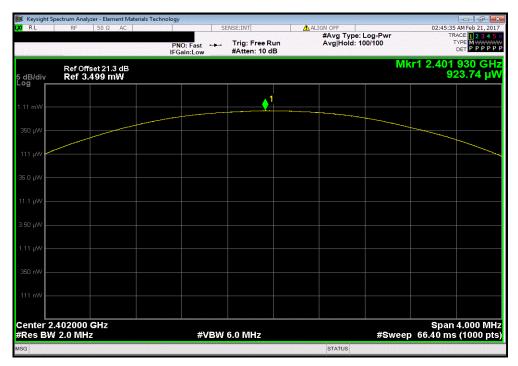


3DH5, 8-DPSK, Low Channel 2402 MHz

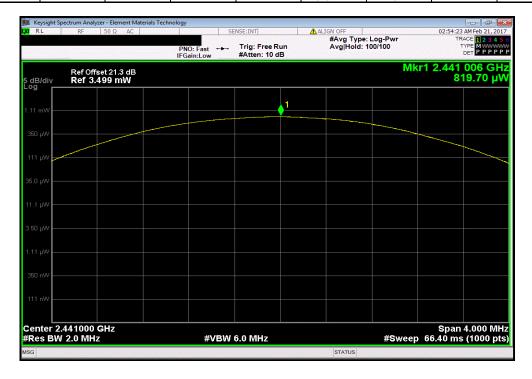
Limit

Value (<) Result

923.74 uW 125 mW Pass



| | 3DH5, 8-DF | PSK, Mid Channe | l 2441 MHz | | |
|--|------------|-----------------|------------|--------|--------|
| | | | | Limit | |
| | | | Value | (<) | Result |
| | | | 819.7 uW | 125 mW | Pass |



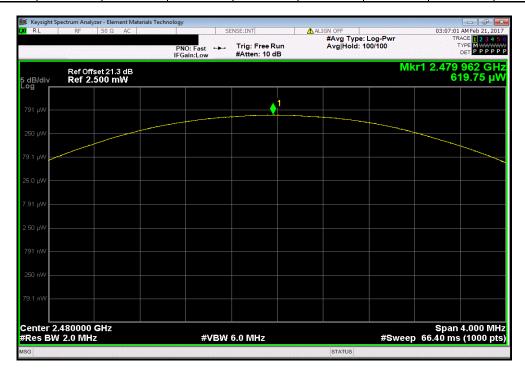


3DH5, 8-DPSK, High Channel 2480 MHz

Limit

Value (<) Result

619.75 uW 125 mW Pass





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 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.



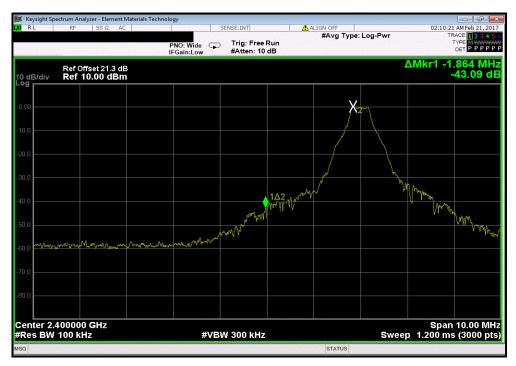
| | | | | | | TbtTx 2017.01.27 | XMit 2017.01.2 |
|--------------------|-----------------------------|----------------|-------|--------------------|------------------|------------------|----------------|
| | KILO2400ABS Rangefind | ler | | | Work Order | | |
| Serial Number: | KILO2400ABS | | | | | 02/20/17 | |
| Customer: | Sig Sauer, Inc. | | | | Temperature | 24.2 °C | |
| Gustonier. | Electro-Optics | | | | | | |
| Attendees: | Don Cramer | | | | Humidity: | 39% RH | |
| Project: | None | | | | Barometric Pres. | 1007 mbar | |
| Tested by: | Brandon Hobbs | | Power | : Battery (3.0VDC) | Job Site: | EV06 | |
| TEST SPECIFICATI | ONS | | | Test Method | | | |
| FCC 15.247:2017 | | | | ANSI C63.10:2013 | | | |
| | | | | | | | |
| COMMENTS | | | | • | | | |
| | arty software to control ra | adio module | | | | | |
| onent provided o p | unty software to control it | adio iniodule. | | | | | |
| | | | | | | | |
| DEVIATIONS FROM | TEST STANDARD | | | | | | |
| None | | | | | | | |
| | | | | | | | |
| Configuration # | 1 | | 1 | 1 1 | | | |
| g | • | Signature | 7 | | | | |
| | l l | oignatar o | | | Value | Limit | |
| | | | | | (dBc) | ≤ (dBc) | Result |
| DH5, GFSK | | | | | (dBC) | _ (400) | result |
| | Low Channel 2402 MHz | | | | -43.09 | -20 | Pass |
| | High Channel 2480 MHz | | | | -54.67 | -20 | Pass |
| 2DH5, pi/4-DQPSK | riigii Griannel 2400 MHZ | | | | -54.07 | -20 | 1 455 |
| | Low Channel 2402 MHz | | | | -49.19 | -20 | Pass |
| | | | | | -53.71 | -20 | Pass |
| | High Channel 2480 MHz | | | | -53./1 | -20 | Pass |
| 3DH5, 8-DPSK | 1 Oh 1 0400 MI I- | | | | 40.00 | 00 | D |
| | Low Channel 2402 MHz | | | | -48.93 | -20 | Pass |
| | High Channel 2480 MHz | | | | -53.49 | -20 | Pass |



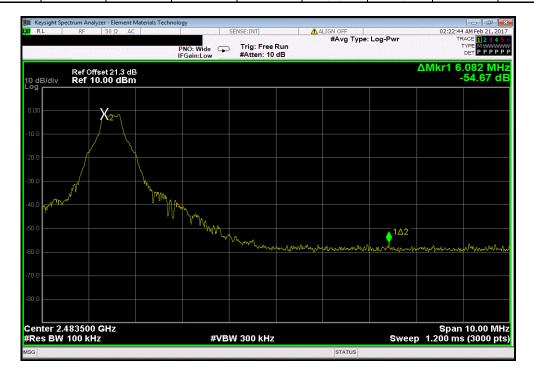
DH5, GFSK, Low Channel 2402 MHz

Value Limit
(dBc) ≤ (dBc) Result

-43.09 -20 Pass



| | DH5, GFS | K, High Channel | 2480 MHz | | |
|--|----------|-----------------|----------|---------|--------|
| | | | Value | Limit | |
| | | | (dBc) | ≤ (dBc) | Result |
| | | | -54.67 | -20 | Pass |

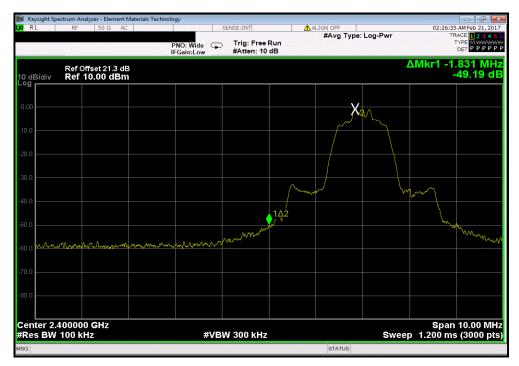




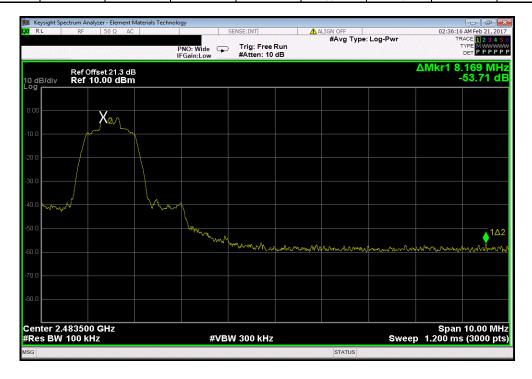
2DH5, pi/4-DQPSK, Low Channel 2402 MHz

Value Limit
(dBc) ≤ (dBc) Result

-49.19 -20 Pass



| | 2DH5, pi/4-D0 | QPSK, High Char | nel 2480 MHz | | |
|--|---------------|-----------------|--------------|---------|--------|
| | | | Value | Limit | |
| | | | (dBc) | ≤ (dBc) | Result |
| | | | -53.71 | -20 | Pass |



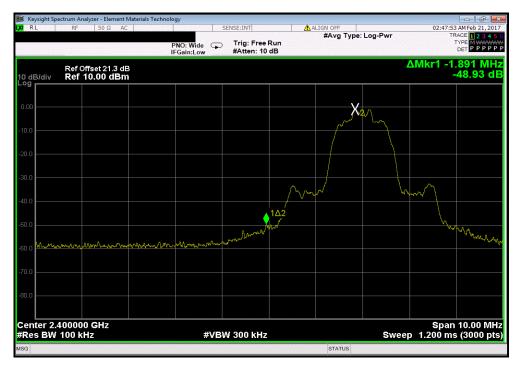


TbtTx 2017.01.27

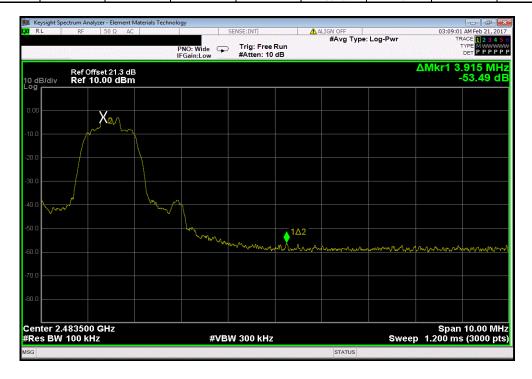
3DH5, 8-DPSK, Low Channel 2402 MHz

Value Limit
(dBc) ≤ (dBc) Result

-48.93 -20 Pass



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





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 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.



| EUT: KILO2400ABS Sangefinder Sigs0004 Sangefinder Sigs0004 Sangefinder Sigs0004 Sangefinder Sigs0004 Sangefinder Sigs0004 Sangefinder Sangefind | | | | | | | | TbtTx 2017.01.27 | XMit 2017.01.26 |
|---|-----------------------|---|------------------------------|---------|--------|------------------|-------------------|------------------|-----------------|
| Customer Sig Sauer, Inc. Electro-Optics Electro-O | | | der | | | | | | |
| Electro-Optics Ele | Serial Number | : KILO2400ABS | | | | | | | |
| Electro-Optics | Customor | . Sig Sauer, Inc. | | | | | Temperature: | 24.1 °C | |
| Project: None | Customer | Electro-Optics | | | | | | | |
| Tested by: Brandon Hobbs | Attendees | : Don Cramer | | | | | | | |
| Test Method FCC 15.247:2017 | Project | : None | | | | | Barometric Pres.: | 1008 mbar | |
| FCC 15.247:2017 COMMENTS Client provided 3 party software to control radio module. DEVIATIONS FROM TEST STANDARD None Configuration # 1 Signature DH5, GFSK Low Channel, 2402 MHz Hgh Channel, 2480 MHz Low Channel, 2402 MHz | Tested by | : Brandon Hobbs | | | Power: | Battery (3.0VDC) | Job Site: | EV06 | |
| COMMENTS Client provided 3 party software to control radio module. DEVIATIONS FROM TEST STANDARD None Configuration # 1 Signature Value Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz 49,73 -20 Pass High Channel, 2480 MHz 54,57 -20 Pass High Channel, 2480 MHz Low Channel, 2402 MHz 53,48 -20 Pass High Channel, 2480 MHz 53,48 -20 Pass High Channel, 2480 MHz 53,48 -20 Pass South Services Substitute Substit | TEST SPECIFICAT | TIONS | | | | Test Method | | | |
| Client provided 3 party software to control radio module. DEVIATIONS FROM TEST STANDARD None Configuration # 1 Signature Value Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz 49.73 -20 Pass High Channel, 2402 MHz 54.57 -20 Pass 2DH5, pi/4-DQPSK Low Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass 19.15 -15 -15 -15 -15 -15 -15 -15 -15 -15 - | FCC 15.247:2017 | | | | | ANSI C63.10:2013 | | | |
| Client provided 3 party software to control radio module. DEVIATIONS FROM TEST STANDARD None Configuration # 1 Signature Value Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz 49.73 -20 Pass High Channel, 2402 MHz 54.57 -20 Pass 2DH5, pi/4-DQPSK Low Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.96 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass High Channel, 2402 MHz 59.98 -20 Pass 19.15 -15 -15 -15 -15 -15 -15 -15 -15 -15 - | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | COMMENTS | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | Client provided 3 | party software to control r | adio module. | | | | | | |
| None Configuration # 1 Signature Value (dBc) Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz High Channel, 2480 MHz 49,73 -20 Pass Pass 2DH5, pi/4-DQPSK -54,57 -20 Pass Low Channel, 2402 MHz High Channel, 2480 MHz 50,96 -20 Pass High Channel, 2480 MHz 53,48 -20 Pass 3DH5, 8-DPSK 51,93 -20 Pass | | | | | | | | | |
| None Configuration # 1 Signature Value (dBc) Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz High Channel, 2480 MHz 49,73 -20 Pass Pass 2DH5, pi/4-DQPSK -54,57 -20 Pass Low Channel, 2402 MHz High Channel, 2480 MHz 50,96 -20 Pass High Channel, 2480 MHz 53,48 -20 Pass 3DH5, 8-DPSK 51,93 -20 Pass | | | | | | | | | |
| Configuration # 1 Signature Value (dBc) Limit (dBc) ≤ (dBc) Result Hopping Mode DH5, GFSK Low Channel, 2402 MHz High Channel, 2480 MHz 49.73 -20 Pass 2DH5, pil/4-DQPSK Low Channel, 2402 MHz -54.57 -20 Pass High Channel, 2402 MHz -50.96 -20 Pass High Channel, 2480 MHz -53.48 -20 Pass 3DH5, 8-DPSK Low Channel, 2402 MHz -51.93 -20 Pass | DEVIATIONS FRO | M TEST STANDARD | | | | | | | |
| Value (dBc) | None | | | | | | | | |
| Value (dBc) Signature Value (dBc) Signature Value (dBc) Signature Value (dBc) Signature Signatu | | | | | | <i></i> | | | |
| Value (dBc) Signature Value (dBc) Signature Value (dBc) Signature Value (dBc) Signature Signatu | Configuration # | 1 | | | 1 | 1-1 | | | |
| Hopping Mode | | | Sign | ature / | | <u> </u> | | | |
| DH5, GFSK | | | | | | | | | |
| DH5, GFSK Low Channel, 2402 MHz -49.73 -20 Pass High Channel, 2480 MHz -54.57 -20 Pass 2DH5, pi/4-DQPSK -50.96 -20 Pass Low Channel, 2402 MHz -50.96 -20 Pass High Channel, 2480 MHz -53.48 -20 Pass 3DH5, 8-DPSK -51.93 -20 Pass | | | | | | | (dBc) | ≤ (dBc) | Result |
| Low Channel, 2402 MHz 49.73 -20 Pass High Channel, 2480 MHz 54.57 -20 Pass 2DH5, pi/H-DQPSK -50.96 -20 Pass Low Channel, 2402 MHz -50.96 -20 Pass High Channel, 2480 MHz -53.48 -20 Pass 3DH5, 8-DPSK Low Channel, 2402 MHz -51.93 -20 Pass | Hopping Mode | | | | | | | | |
| High Channel, 2480 MHz | | | | | | | | | |
| 2DH5, pl/4-DQPSK Low Channel, 2402 MHz High Channel, 2480 MHz 3DH5, 8-DPSK Low Channel, 2402 MHz -53.48 -20 Pass 3DH5, 8-DPSK -51.93 -20 Pass | | | | | | | | | |
| Low Channel, 2402 MHz -50.96 -20 Pass High Channel, 2480 MHz -53.48 -20 Pass 3DH5, 8-DPSK -51.93 -20 Pass Low Channel, 2402 MHz -51.93 -20 Pass | | | el, 2480 MHz | | | | -54.57 | -20 | Pass |
| High Channel, 2480 MHz -53.48 -20 Pass 3DH5, 8-DPSK Low Channel, 2402 MHz -51.93 -20 Pass | | | | | | | | | |
| 3DH5, 8-DPSK Low Channel, 2402 MHz -51.93 -20 Pass | | Laur Channa | L 0400 MILL | | | | E0.06 | 20 | Dana |
| Low Channel, 2402 MHz -51.93 -20 Pass | | | | | | | | | |
| | | High Channe | | | | | | | |
| High Channel, 2480 MHz -53.47 -20 Pass | | High Channe 3DH5, 8-DPSK | el, 2480 MHz | | | | | | Pass |
| | | High Channe 3DH5, 8-DPSK Low Channe | el, 2480 MHz el, 2402 MHz | | | | -53.48 -51.93 | -20 -20 | Pass |

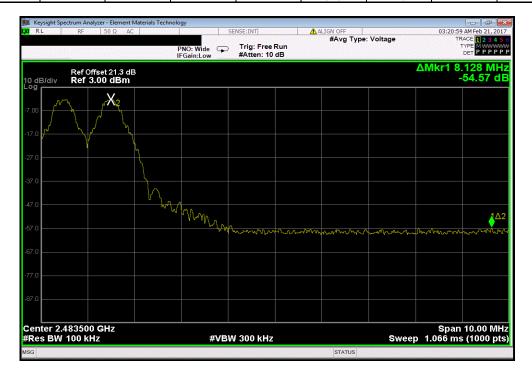


Hopping Mode, DH5, GFSK, Low Channel, 2402 MHz

| Value | Limit |
| (dBc) | ≤ (dBc) | Result |
| -49.73 | -20 | Pass |



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





Hopping Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz

Value Limit
(dBc) ≤ (dBc) Result

-50.96 -20 Pass



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





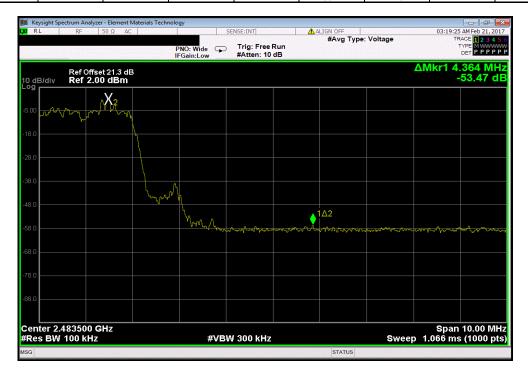
Hopping Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz

Value Limit
(dBc) ≤ (dBc) Result

-51.93 -20 Pass



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





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 |

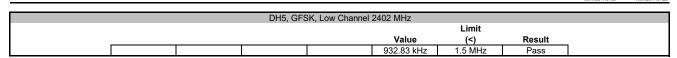
TEST DESCRIPTION

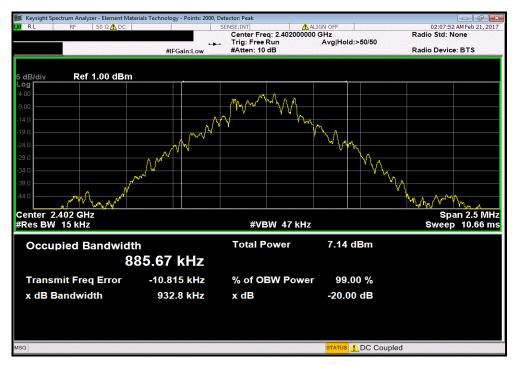
The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The 20 dB occupied bandwidth was measured with the EUT set to low, medium and high transmit frequencies in the band. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop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



| COMMENTS | | | | | | | TbtTx 2017.01.27 | XMit 2017.01.26 |
|--|----------------------------------|--|--------------|---|------------------|---|---|--|
| Customer Sig Sauer, Inc. Electro-Optics Saver, Inc. Electro-Optics Saver, Inc. Electro-Optics Saver, Inc. Electro-Optics Saver, Inc. S | | | ier | | | | | |
| Attendess Dor Cramer Humidity: 38.8% RH | | | | | | | | |
| Electro-Optics Survamer Humidity: 38.5% RH | Customer | Sig Sauer, Inc. | | | | Temperature: | 24.2 °C | |
| Project. None Barometric Pres. 1007 mbar | | Electro-Optics | | | | | | |
| Tested by: Barradon Hobbs Power: Battery (3.0VDC) Job Site: EV06 | | | | | | | | |
| TEST SPECIFICATIONS 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 Limit (c) Result DH5, GFSK Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2400 MHz Limit (c) Result Pass High Channel 2404 MHz High Channel 2404 MHz High Channel 2408 MHz Low Channel 2409 MHz Low Channel 240 | | | | | | | | |
| ANSI C63.10:2013 COMMENTS Comment Comm | | | | | | Job Site: | EV06 | |
| COMMENTS | TEST SPECIFICATI | IONS | | | Test Method | | | |
| Client provided 3 party software to control radio module. | FCC 15.247:2017 | | | | ANSI C63.10:2013 | | | |
| Client provided 3 party software to control radio module. | | | | | | <u>. </u> | | |
| DEVIATIONS FROM TEST STANDARD | COMMENTS | <u> </u> | | | | _ | | <u> </u> |
| DEVIATIONS FROM TEST STANDARD | Client provided 3 p | arty software to control ra | adio module. | | | | | |
| None Signature | | , | | | | | | |
| None Signature | | | | | | | | |
| Configuration # 1 Signature Value Configuration # Value Configuration Configuration # Value Configuration Configuration # Value Configuration Configuration Configuration # Value Configuration Conf | DEVIATIONS FROM | II TEST STANDARD | | | | | | |
| Signature Sign | None | | | | | | | |
| Signature Sign | | | | | | | | |
| Signature Sign | Configuration # | 1 | | 1 | 1-1 | | | |
| Name | | | Signature | 7 | | | | |
| DH5, GFSK Low Channel 2402 MHz | | | | | | | l imit | |
| Low Channel 2402 MHz 932.83 kHz 1.5 MHz Pass Mid Channel 2441 MHz 929.41 kHz 1.5 MHz Pass 1.2 MHz 1.5 MHz Pass 1.5 MHz | | | | | | | | |
| Mid Channel 2441 MHz | DH5, GFSK | | | | | Value | | Result |
| High Channel 2480 MHz | | | | | | Value | | Result |
| 2DH5, pi/4-DQPSK | | | | | | 932.83 kHz | (<) 1.5 MHz | Pass |
| Low Channel 2402 MHz | | | | | | 932.83 kHz | (<) 1.5 MHz | Pass |
| Mid Channel 2441 MHz 1.23 MHz 1.5 MHz Pass High Channel 2480 MHz 1.215 MHz 1.5 MHz Pass 3DH5, 8-DPSK Low Channel 2402 MHz 1.247 MHz 1.5 MHz Pass Mid Channel 2441 MHz 1.5 MHz Pass High Channel 2441 MHz 1.5 MHz Pass | | Mid Channel 2441 MHz | | | | 932.83 kHz 929.41 kHz | 1.5 MHz 1.5 MHz | Pass Pass |
| High Channel 2480 MHz 1.215 MHz Pass 3DH5, 8-DPSK Low Channel 2402 MHz 1.247 MHz 1.5 MHz Pass Mid Channel 2441 MHz 1.244 MHz 1.5 MHz Pass | 2DH5, pi/4-DQPSK | Mid Channel 2441 MHz | | | | 932.83 kHz 929.41 kHz | 1.5 MHz 1.5 MHz | Pass Pass |
| 3DH5, 8-DPSK Low Channel 2402 MHz Mid Channel 2441 MHz 1.5 MHz Pass 1.244 MHz 1.5 MHz Pass | 2DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass |
| Low Channel 2402 MHz 1.247 MHz 1.5 MHz Pass Mid Channel 2441 MHz 1.5 MHz Pass | 2DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz 1.23 MHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass |
| Mid Channel 2441 MHz 1.5 MHz Pass | 2DH5, pi/4-DQPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz 1.23 MHz 1.23 MHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass Pass Pass |
| | 2DH5, pi/4-DQPSK 3DH5, 8-DPSK | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz 1.23 MHz 1.23 MHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass Pass Pass |
| | | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2480 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz 1.23 MHz 1.23 MHz 1.215 MHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass Pass Pass Pass |
| | | Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz Mid Channel 2441 MHz High Channel 2480 MHz Low Channel 2402 MHz | | | | 932.83 kHz 929.41 kHz 924.585 kHz 1.23 MHz 1.23 MHz 1.215 MHz 1.247 MHz | 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz 1.5 MHz | Pass Pass Pass Pass Pass Pass Pass Pass |



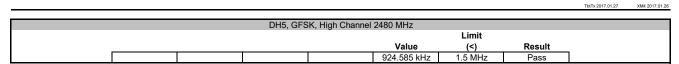


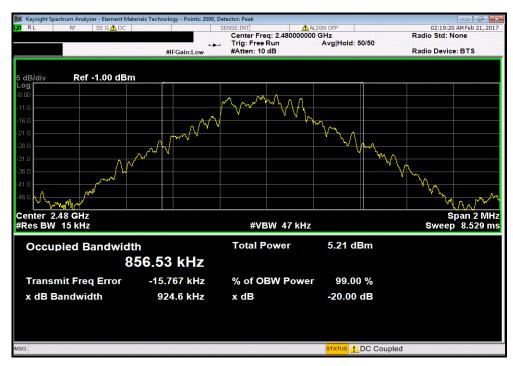


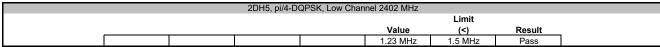
| DH5, GFSK, Mid Channel 2441 MHz | | | | | | | |
|---------------------------------|--|--|--|--|------------|---------|--------|
| | | | | | | Limit | |
| | | | | | Value | (<) | Result |
| | | | | | 929.41 kHz | 1.5 MHz | Pass |

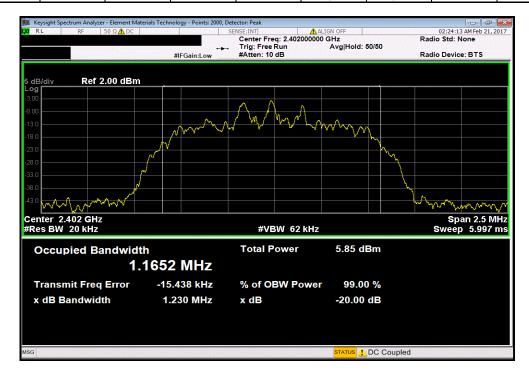




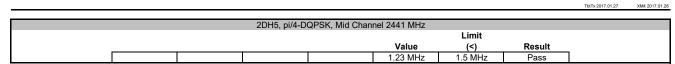


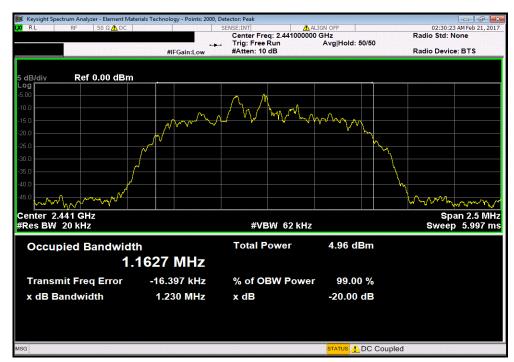




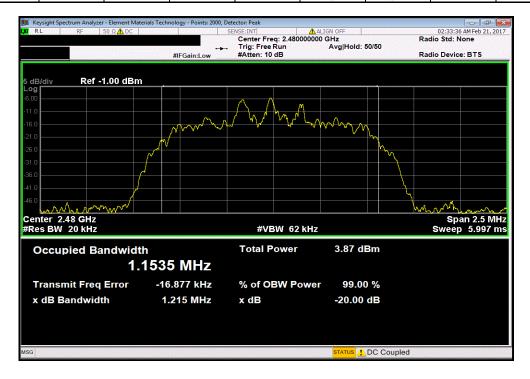




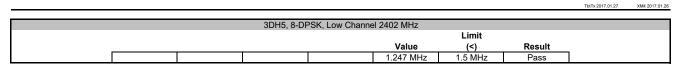


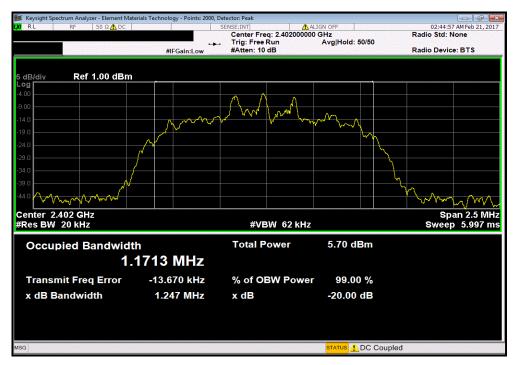


| 2DH5, pi/4-DQPSK, High Channel 2480 MHz | | | | | | | |
|---|--|--|--|-----------|---------|--------|--|
| | | | | | Limit | | |
| | | | | Value | (<) | Result | |
| | | | | 1.215 MHz | 1.5 MHz | Pass | |









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



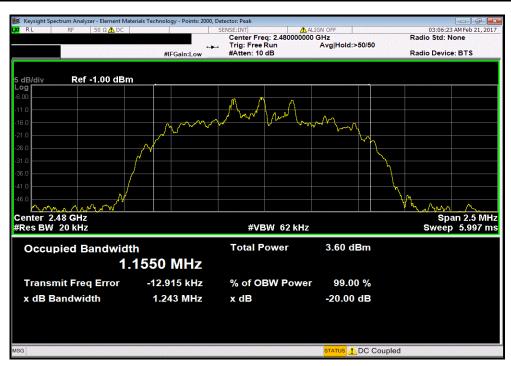


3DH5, 8-DPSK, High Channel 2480 MHz

Limit

Value (<) Result

1.243 MHz 1.5 MHz Pass





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 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.



| | | | | | TbtTx 2017.01.27 | XMit 2017.01 |
|---------------------|--|------------|---|---------------------------|------------------|--------------|
| EUT: | : KILO2400ABS Rangefinder | | | Work Order: | SIGS0004 | |
| Serial Number: | : KILO2400ABS | | | Date: | 02/20/17 | |
| Customer | Sig Sauer, Inc. | | | Temperature: | 24.2 °C | |
| Customer | Electro-Optics | | | | | |
| Attendees | : Don Cramer | | | Humidity: | 38.7% RH | |
| Project: | : None | | | Barometric Pres.: | 1008 mbar | |
| Tested by: | : Brandon Hobbs | Power: | Battery (3.0VDC) | Job Site: | EV06 | |
| TEST SPECIFICAT | TIONS | | Test Method | | | |
| FCC 15.247:2017 | | | ANSI C63.10:2013 | | | |
| | | | | | | |
| COMMENTS | | | | | | |
| Client provided 3 p | party software to control radi | io module. | | | | |
| | | | | | | |
| | M TEST STANDARD | | | | | |
| None | | | | | | |
| Configuration # | 1 | | 1 1 | | | |
| | | Signature |) | | | |
| | | | Frequency | Max Value | Limit | |
| DH5. GFSK | | | Range | (dBc) | ≤ (dBc) | Result |
| DH5, GFSK | Laure Oleanna at 0.400 MHz | | 00 MH - 40 5 OH- | 50.50 | 00 | D |
| | Low Channel 2402 MHz Low Channel 2402 MHz | | 30 MHz - 12.5 GHz 12.5 GHz - 25 GHz | -52.58 -38.19 | -20 -20 | Pass Pass |
| | Mid Channel 2441 MHz | | 30 MHz - 12.5 GHz | -50.19 | -20 -20 | Pass |
| | Mid Channel 2441 MHz | | 12.5 GHz - 12.5 GHz | -52.32 -38.02 | -20 -20 | Pass |
| | High Channel 2480 MHz | | 30 MHz - 12.5 GHz | -50.02 -50.93 | -20 -20 | Pass |
| | High Channel 2480 MHz | | 12.5 GHz - 25 GHz | -36.48 | -20 -20 | Pass |
| 2DH5, pi/4-DQPSK | | | 12.5 GHZ - 25 GHZ | -30.40 | -20 | Pass |
| -DI 10, PI/4-DQF3K | 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 | -50.26 | -20 | Pass |
| | High Channel 2480 MHz | | 12.5 GHz - 25 GHz | -35.81 | -20 | Pass |
| BDH5. 8-DPSK | riigii Cildiillei 2400 MTZ | | 12.5 GHZ - 25 GHZ | -35.01 | -20 | газэ |
| DI 10, 0-DI OK | 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 | -57.37 -51.34 | -20 -20 | Pass |
| | Mid Channel 2441 MHz | | 12.5 GHz - 25 GHz | -35.64 | -20 | Pass |
| | | | | | | rass |
| | | | | | | Poss |
| | High Channel 2480 MHz High Channel 2480 MHz | | 12.5 GHz - 25 GHz 30 MHz - 12.5 GHz 12.5 GHz - 25 GHz | -35.04 -48.73 -34.7 | -20 -20 | Pass Pass |



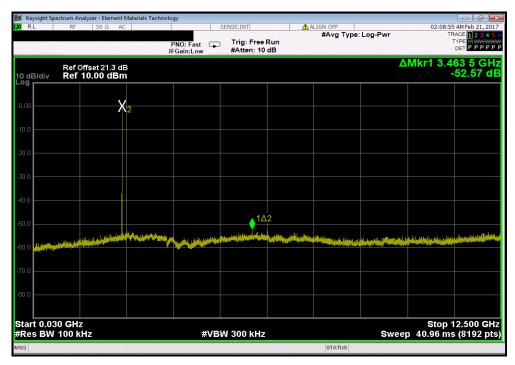
TbtTx 2017.01.27

DH5, GFSK, Low Channel 2402 MHz

Frequency
Range
(dBc)
30 MHz - 12.5 GHz

DH5, GFSK, Low Channel 2402 MHz

Max Value
Limit
(dBc)
≤ (dBc)
Result
-52.58
-20
Pass



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





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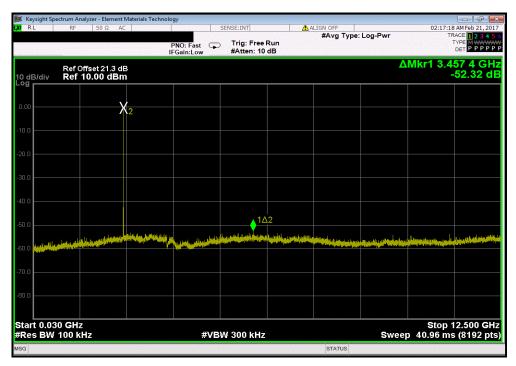
DH5, GFSK, Mid Channel 2441 MHz

Frequency
Range
(dBc)

30 MHz - 12.5 GHz

DH5, GFSK, Mid Channel 2441 MHz

Max Value
Limit
(dBc)
≤ (dBc)
Result
-52.32
-20
Pass



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





TbtTx 2017.01.27

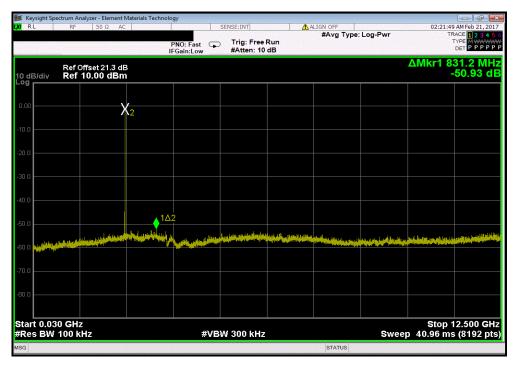
DH5, GFSK, High Channel 2480 MHz

Frequency
Range
(dBc)

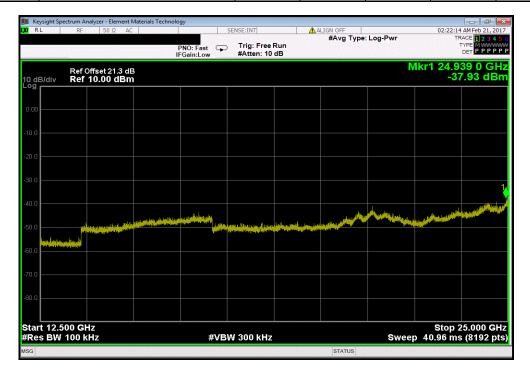
30 MHz - 12.5 GHz

DH5, GFSK, High Channel 2480 MHz

Max Value
Limit
(dBc)
≤ (dBc)
Result
-50.93
-20
Pass



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



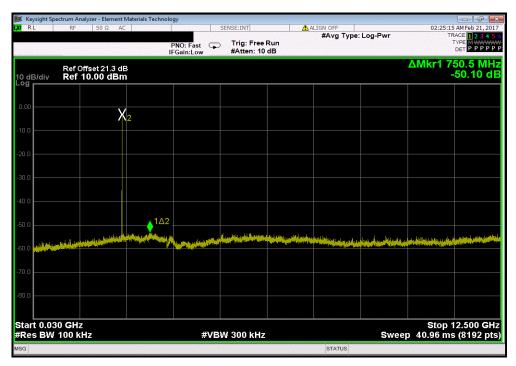


2DH5, pi/4-DQPSK, Low Channel 2402 MHz

Frequency
Range
(dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz

-50.1
-20
Pass



| | 2DH5, pi/4-D0 | QPSK, Low Chan | nel 2402 MHz | | |
|---|-------------------|----------------|--------------|---------|--------|
| | Frequency | | Max Value | Limit | |
| | Range | | (dBc) | ≤ (dBc) | Result |
| i | 12.5 GHz - 25 GHz | | -35.65 | -20 | Pass |





2DH5, pi/4-DQPSK, Mid Channel 2441 MHz

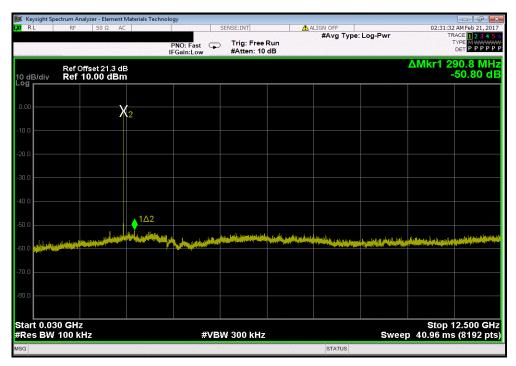
Frequency
Range
(dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz

-50.81

-20

Pass

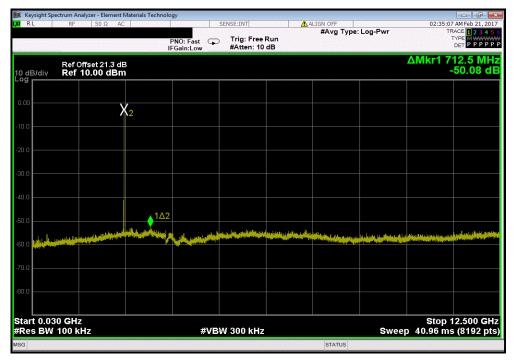


| | 2DH5, pi/4-DQPSK, Mid Channel 2441 MHz | | | | | | | |
|-----|--|--|-----------|---------|--------|--|--|--|
| | Frequency | | Max Value | Limit | | | | |
| | Range | | (dBc) | ≤ (dBc) | Result | | | |
| l l | 12.5 GHz - 25 GHz | | -36.26 | -20 | Pass | | | |





| | | | | | TbtTx 2017.01.27 | XMit 2017.01.26 |
|-------------------|-----------------|--------------|---------|--------|------------------|-----------------|
| | | | | | | |
| 2DH5, pi/4-D0 | QPSK, High Char | nel 2480 MHz | | | | |
| Frequency | | Max Value | Limit | | | |
| Range | | (dBc) | ≤ (dBc) | Result | | |
| 30 MHz - 12.5 GHz | | -50.08 | -20 | Pass | | |



| 2DH5, pi/4-D0 | QPSK, High Chan | nel 2480 MHz | | |
|-------------------|-----------------|--------------|---------|--------|
| Frequency | | Max Value | Limit | |
| Range | | (dBc) | ≤ (dBc) | Result |
| 12.5 GHz - 25 GHz | | -35.81 | -20 | Pass |





TbtTx 2017.01.27

3DH5, 8-DPSK, Low Channel 2402 MHz

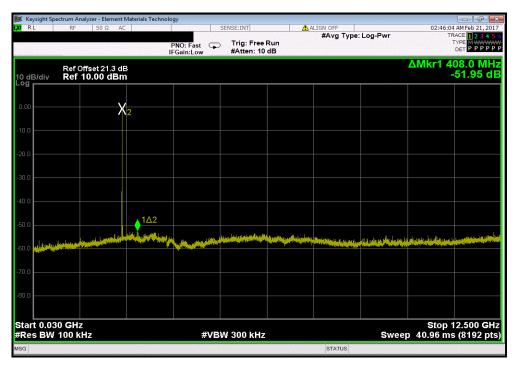
Frequency
Range
(dBc)

30 MHz - 12.5 GHz

-51.95

-20

Pass



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



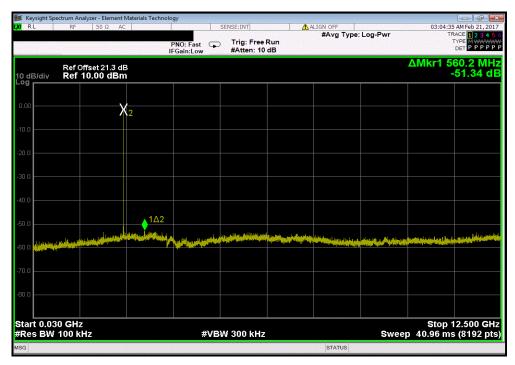


3DH5, 8-DPSK, Mid Channel 2441 MHz

Frequency
Range
(dBc) ≤ (dBc)
Result

30 MHz - 12.5 GHz

-51.34
-20
Pass



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



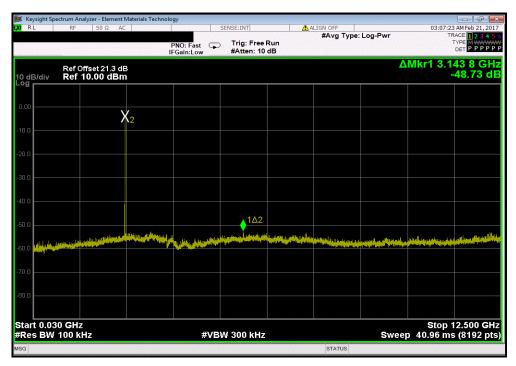


3DH5, 8-DPSK, High Channel 2480 MHz

Frequency
Range
(dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz

-48.73
-20
Pass



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

