
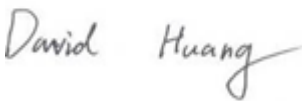



RF TEST REPORT



Report No.: 18070268-FCC-R

Supersede Report No.: N/A

| | | |
|--|---|---|
| Applicant | Shenzhen Kesi E-commerce Co.,Ltd | |
| Product Name | Bluetooth headset | |
| Model No. | S3 | |
| Serial No. | S4, S5, S6, S7, S8, S9, S10, N3, N4, N5, N6, N7, N8, N9 | |
| Test Standard | FCC Part 15.247: 2017, ANSI C63.10: 2013 | |
| Test Date | March 12 to March 29, 2018 | |
| Issue Date | March 29, 2018 | |
| Test Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Equipment complied with the specification | <input checked="" type="checkbox"/> | |
| Equipment did not comply with the specification | <input type="checkbox"/> | |
|  |  |  |
| Aaron Liang Test Engineer | David Huang Checked By | |
| This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only | | |

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn

Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

| Country/Region | Scope |
|----------------|------------------------------------|
| USA | EMC, RF/Wireless, SAR, Telecom |
| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
| Australia | EMC, RF, Telecom, SAR, Safety |
| Korea | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan | EMI, RF/Wireless, SAR, Telecom |
| Singapore | EMC, RF, SAR, Telecom |
| Europe | EMC, RF, SAR, Telecom, Safety |

| | |
|-------------|----------------|
| Test Report | 18070268-FCC-R |
| Page | 3 of 58 |

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CONTENTS

| | |
|--|----|
| 1. REPORT REVISION HISTORY | 5 |
| 2. CUSTOMER INFORMATION..... | 5 |
| 3. TEST SITE INFORMATION | 5 |
| 4. EQUIPMENT UNDER TEST (EUT) INFORMATION | 6 |
| 5. TEST SUMMARY | 7 |
| 6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS..... | 8 |
| 6.1 ANTENNA REQUIREMENT | 8 |
| 6.2 CHANNEL SEPARATION..... | 9 |
| 6.3 20DB BANDWIDTH | 13 |
| 6.4 PEAK OUTPUT POWER | 17 |
| 6.5 NUMBER OF HOPPING CHANNEL | 21 |
| 6.6 TIME OF OCCUPANCY (DWEIL TIME)..... | 23 |
| 6.7 BAND EDGE & RESTRICTED BAND | 27 |
| 6.8 AC POWER LINE CONDUCTED EMISSIONS..... | 32 |
| 6.9 RADIATED EMISSIONS & RESTRICTED BAND..... | 38 |
| ANNEX A. TEST INSTRUMENT | 45 |
| ANNEX B. EUT AND TEST SETUP PHOTOGRAPHS..... | 46 |
| ANNEX C. TEST SETUP AND SUPPORTING EQUIPMENT..... | 53 |
| ANNEX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PARTLIST | 57 |
| ANNEX E. DECLARATION OF SIMILARITY | 58 |

1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|----------------|----------------|-------------|----------------|
| 18070268-FCC-R | NONE | Original | March 29, 2018 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. Customer information

| | |
|------------------|---|
| Applicant Name | Shenzhen Kesi E-commerce Co.,Ltd |
| Applicant Add | 5A-079, Trading Square,No.2, Huanan City, Pinghu Street, Longgang District, Shenzhen, China |
| Manufacturer | Dongguan Shenyao Electronic Technology Co. ,Ltd. |
| Manufacturer Add | Shangbaotan Industrial Park, Shipai Town, Dongguan City, China |

3. Test site information

Test Lab A:

| | |
|----------------------|--|
| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES |
| Lab Address | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108 |
| FCC Test Site No. | 535293 |
| IC Test Site No. | 4842E-1 |
| Test Software | Radiated Emission Program-To Shenzhen v2.0 |

Test Lab B:

| | |
|----------------------|---|
| Lab performing tests | SIEMIC (Nanjing-China) Laboratories |
| Lab Address | 2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China |
| FCC Test Site No. | 694825 |
| IC Test Site No. | 4842B-1 |
| Test Software | EZ_EMG(ver.lcp-03A1) |

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.

4. Equipment under Test (EUT) Information

| | |
|-------------------------------|---|
| Description of EUT: | Bluetooth headset |
| Main Model: | S3 |
| Serial Model: | S4, S5, S6, S7, S8, S9, S10, N3, N4, N5, N6, N7, N8, N9 |
| Date EUT received: | March 11, 2018 |
| Test Date(s): | March 12 to March 29, 2018 |
| Equipment Category : | DSS |
| Antenna Gain: | Bluetooth: 0.6dBi |
| Antenna Type: | Internal Antenna |
| Type of Modulation: | Bluetooth: GFSK, π /4DQPSK, 8DPSK |
| RF Operating Frequency (ies): | Bluetooth: 2402-2480 MHz |
| Max. Output Power: | 1.482dBm |
| Number of Channels: | Bluetooth: 79CH |
| Port: | Pls refer to the user' s manual |
| Input Power: | Battery Spec: 3.7V, 98mA |
| Trade Name : | N/A |
| FCC ID: | 2APBQ-S3 |

5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|------------------------------|-------------------------------------|------------|
| §15.203 | Antenna Requirement | Compliance |
| §15.247(a)(1) | Channel Separation | Compliance |
| §15.247(a)(1) | 20 dB Bandwidth | Compliance |
| §15.247(b)(1) | Peak Output Power | Compliance |
| §15.247(a)(1)(iii) | Number of Hopping Channel | Compliance |
| §15.247(a)(1)(iii) | Time of Occupancy (Dwell Time) | Compliance |
| §15.247(d) | Band Edge& Restricted Band | Compliance |
| §15.207(a) | AC Line Conducted Emissions | Compliance |
| §15.205, §15.209, §15.247(d) | Radiated Emissions& Restricted Band | Compliance |

Measurement Uncertainty

| Emissions | | |
|--|---|---------------|
| Test Item | Description | Uncertainty |
| Band Edge& Restricted Band and Radiated Emissions& Restricted Band | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | +5.6dB/-4.5dB |
| - | - | - |

6. Measurements, Examination And Derived Results

6.1 Antenna Requirement

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has 1 antenna:

A permanently attached Internal antenna for Bluetooth, the gain is 0.6dBi for Bluetooth.


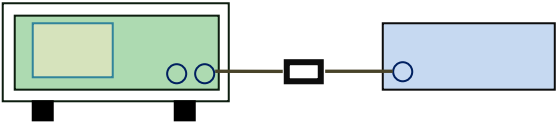
The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.

6.2 Channel Separation

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|----------------|--|---|--|
| § 15.247(a)(1) | a) | Channel Separation < 20dB BW and 20dB BW < 25KHz ; Channel Separation Limit=25KHz Chanel Separation < 20dB BW and 20dB BW > 25kHz ; Channel Separation Limit=2/3 20dB BW |  |
| Test Setup |  <p style="text-align: center;">Spectrum Analyzer EUT</p> | | |
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings:</p> <ul style="list-style-type: none"> - The EUT must have its hopping function enabled - Span = wide enough to capture the peaks of two adjacent channels - Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span - Video (or Average) Bandwidth (VBW) ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot. | | |

| | |
|--------|--|
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data ☒ Yes ☐ N/A

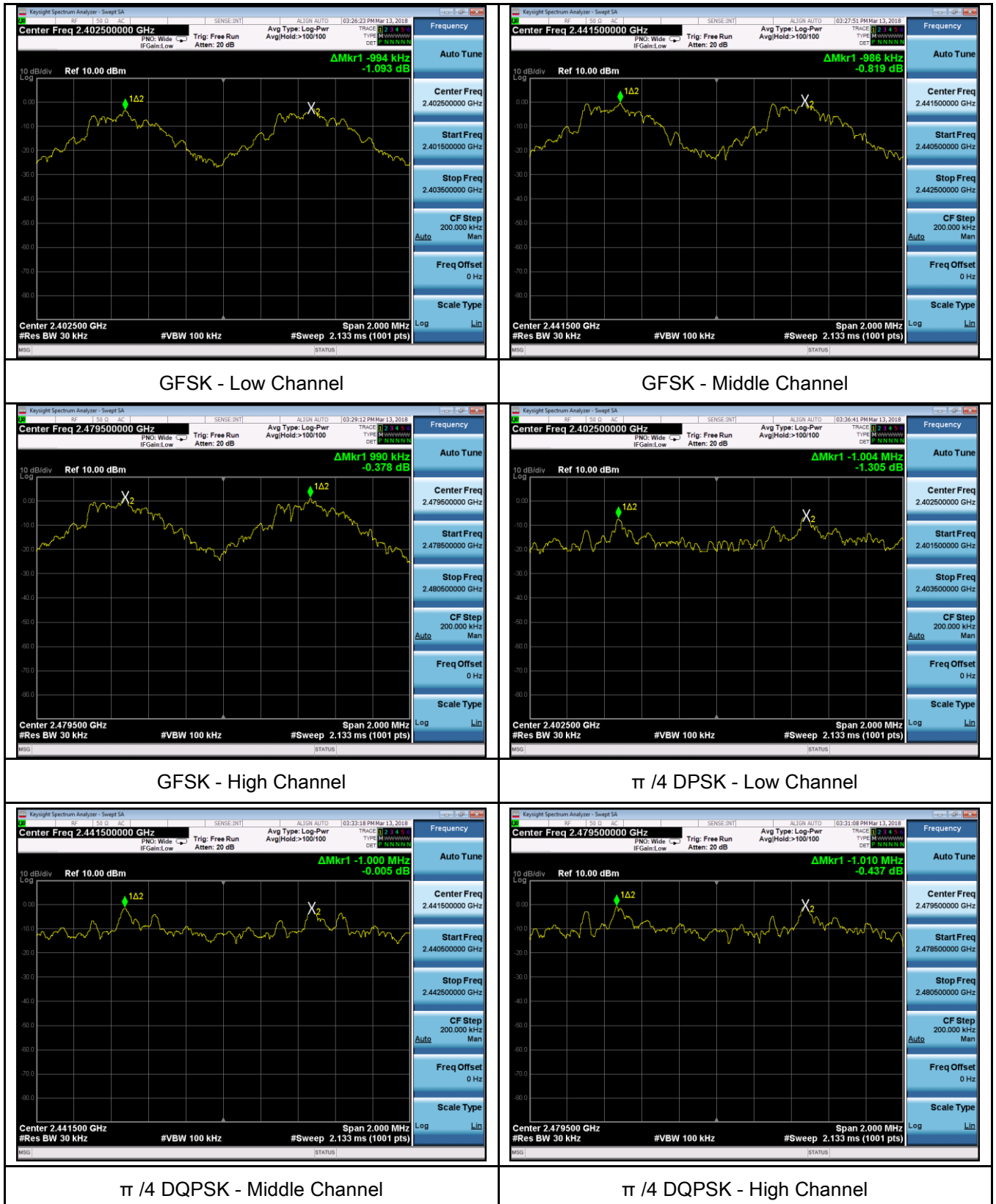
Test Plot ☒ Yes (See below) ☐ N/A

Channel Separation measurement result

| Type/ Modulation | CH | CH Frequency (MHz) | CH Separation (MHz) | Limit (MHz) | Result |
|--------------------------------|-------------------|--------------------------|------------------------|----------------|--------|
| CH Separation GFSK | Low Channel | 2402 | 0.994 | 0.911 | Pass |
| | Adjacency Channel | 2403 | | | |
| | Mid Channel | 2440 | 0.986 | 0.871 | Pass |
| | Adjacency Channel | 2441 | | | |
| | High Channel | 2480 | 0.990 | 0.868 | Pass |
| | Adjacency Channel | 2479 | | | |
| CH Separation $\pi/4$ DQPSK | Low Channel | 2402 | 1.004 | 0.813 | Pass |
| | Adjacency Channel | 2403 | | | |
| | Mid Channel | 2440 | 1.000 | 0.811 | Pass |
| | Adjacency Channel | 2441 | | | |
| | High Channel | 2480 | 1.010 | 0.812 | Pass |
| | Adjacency Channel | 2479 | | | |
| CH Separation 8DPSK | Low Channel | 2402 | 0.996 | 0.805 | Pass |
| | Adjacency Channel | 2403 | | | |
| | Mid Channel | 2440 | 0.998 | 0.806 | Pass |
| | Adjacency Channel | 2441 | | | |
| | High Channel | 2480 | 0.998 | 0.805 | Pass |
| | Adjacency Channel | 2479 | | | |

Test Plots

Channel Separation measurement result

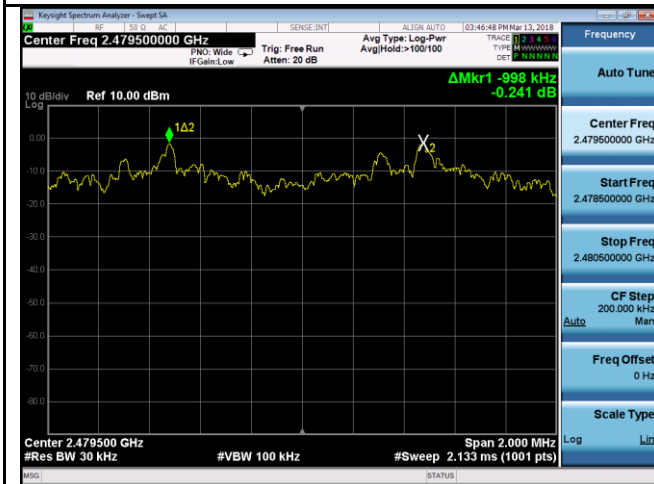




8DPSK - Low Channel



8DPSK - Middle Channel


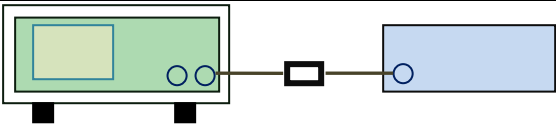


8DPSK - High Channel

6.3 20dB Bandwidth

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|-------------------|--|--|---|
| §15.247(a) (1) | a) | Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. |  |
| Test Setup |  <p style="text-align: center;">Spectrum Analyzer EUT</p> | | |
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings:</p> <ul style="list-style-type: none"> - Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel - RBW \geq 1% of the 20 dB bandwidth - VBW \geq RBW - Sweep = auto - Detector function = peak - Trace = max hold. - The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference | | |

| | |
|--------|---|
| | marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s). |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data ☒ Yes ☐ N/A

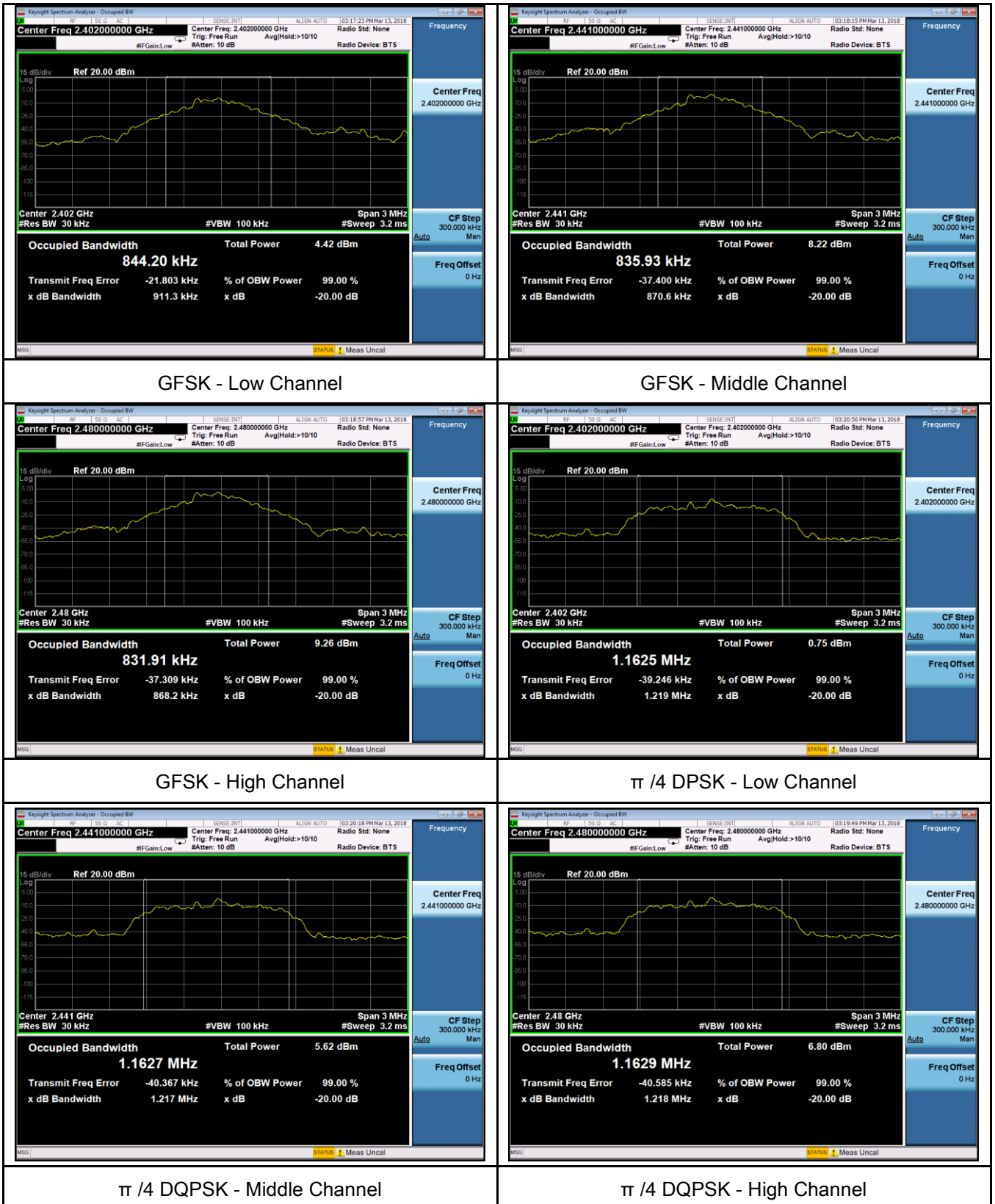
Test Plot ☒ Yes (See below) ☐ N/A

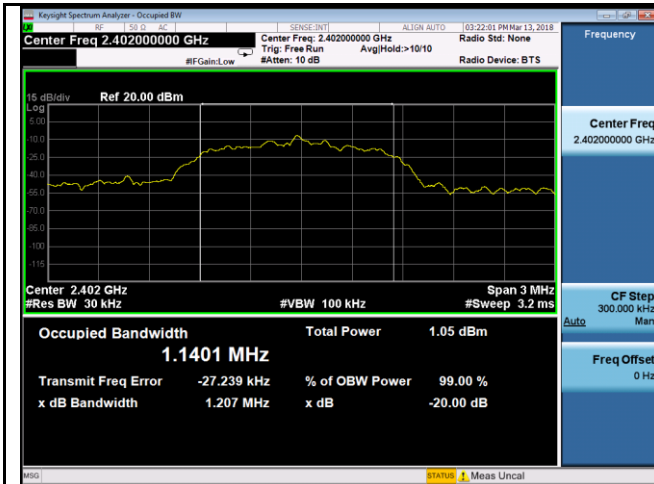
Measurement result

| Modulation | CH | CH Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) |
|---------------|------|--------------------|----------------------|------------------------------|
| GFSK | Low | 2402 | 0.9113 | 0.8442 |
| | Mid | 2441 | 0.8706 | 0.8359 |
| | High | 2480 | 0.8682 | 0.8319 |
| $\pi/4$ DQPSK | Low | 2402 | 1.219 | 1.163 |
| | Mid | 2441 | 1.217 | 1.163 |
| | High | 2480 | 1.218 | 1.163 |
| 8-DPSK | Low | 2402 | 1.207 | 1.140 |
| | Mid | 2441 | 1.209 | 1.143 |
| | High | 2480 | 1.208 | 1.144 |

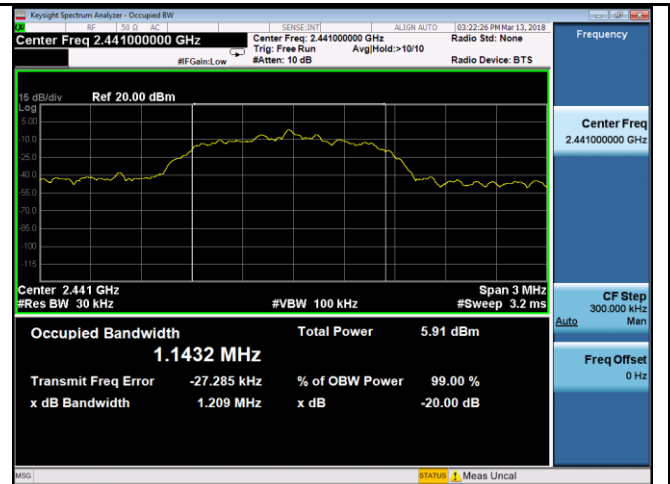
Test Plots

20dB Bandwidth measurement result

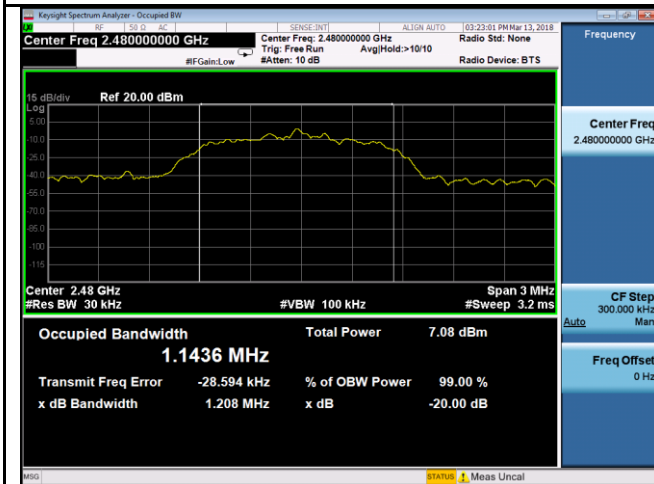




8DPSK - Low Channel



8DPSK - Middle Channel



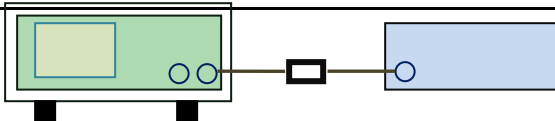
8DPSK - High Channel

6.4 Peak Output Power

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|-------------------|------|---|-------------------------------------|
| §15.247(b) (3) | a) | FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt | <input checked="" type="checkbox"/> |
| | b) | FHSS in 5725-5850MHz: ≤ 1 Watt | <input type="checkbox"/> |
| | c) | For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt. | <input checked="" type="checkbox"/> |
| | d) | FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt | <input type="checkbox"/> |
| | e) | FHSS in 902-928MHz with ≥ 25 & < 50 channels: ≤ 0.25 Watt | <input type="checkbox"/> |
| | f) | DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt | <input type="checkbox"/> |

| | |
|------------|--|
| Test Setup |  <p style="text-align: center;">Spectrum Analyzer EUT</p> |
|------------|--|

| | |
|----------------|---|
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.</p> <p><u>Use the following spectrum analyzer settings:</u></p> <ul style="list-style-type: none"> - Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel - RBW $>$ the 20 dB bandwidth of the emission being measured - VBW \geq RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow the trace to stabilize. |
|----------------|---|

| | |
|--------|--|
| | <p>- Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power (see the note above regarding external attenuation and cable loss). The limit is specified in one of the subparagraphs of this Section. Submit this plot. A peak responding power meter may be used instead of a spectrum analyzer.</p> |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

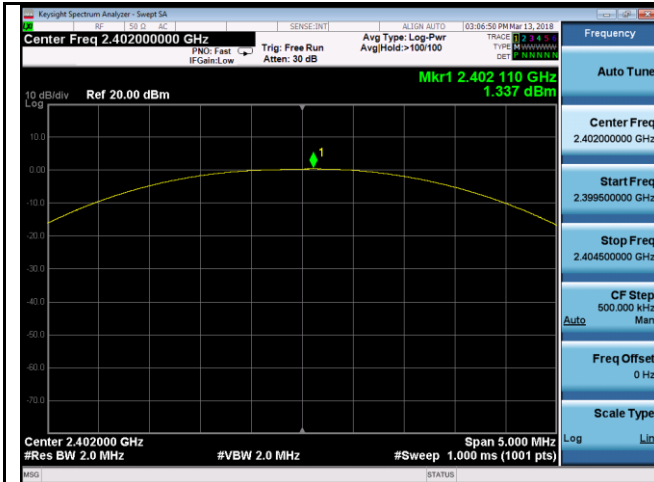
Test Data ☒ Yes ☐ N/A
 Test Plot ☒ Yes (See below) ☐ N/A

Peak Output Power measurement result

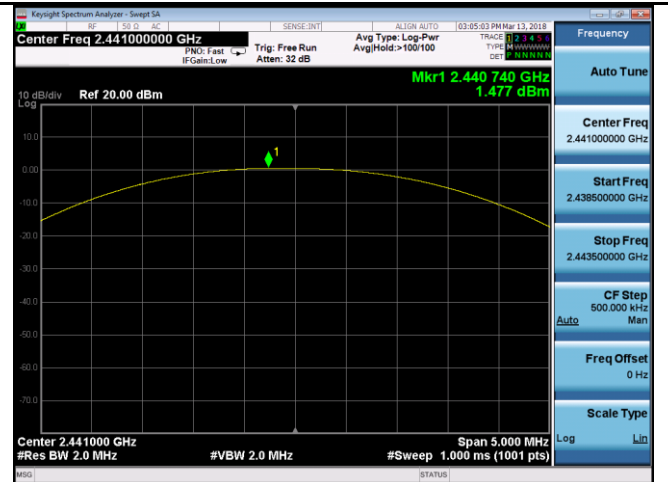
| Type | Modulation | CH | Frequency (MHz) | Conducted Power (dBm) | Limit (mW) | Result |
|--------------|---------------|------|-----------------|-----------------------|------------|--------|
| Output power | GFSK | Low | 2402 | 1.337 | 1000 | Pass |
| | | Mid | 2441 | 1.477 | 1000 | Pass |
| | | High | 2480 | 1.469 | 1000 | Pass |
| | $\pi/4$ DQPSK | Low | 2402 | 1.482 | 125 | Pass |
| | | Mid | 2441 | 1.428 | 125 | Pass |
| | | High | 2480 | 1.423 | 125 | Pass |
| | 8-DPSK | Low | 2402 | 1.479 | 125 | Pass |
| | | Mid | 2441 | 1.332 | 125 | Pass |
| | | High | 2480 | 1.295 | 125 | Pass |

Test Plots

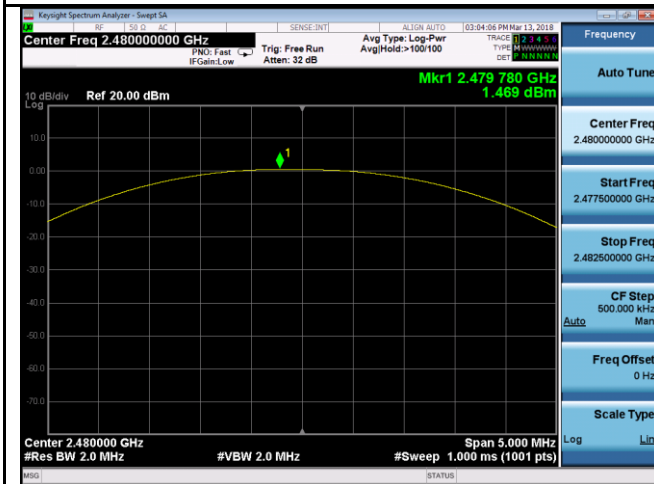
Output Power measurement result



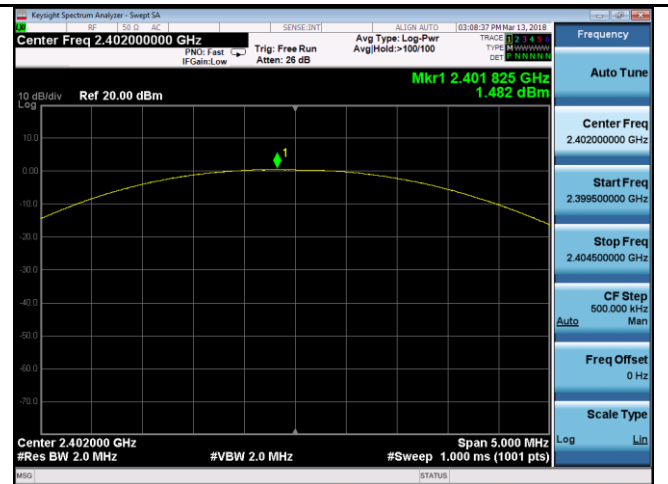
GFSK Output power - Low CH 2402



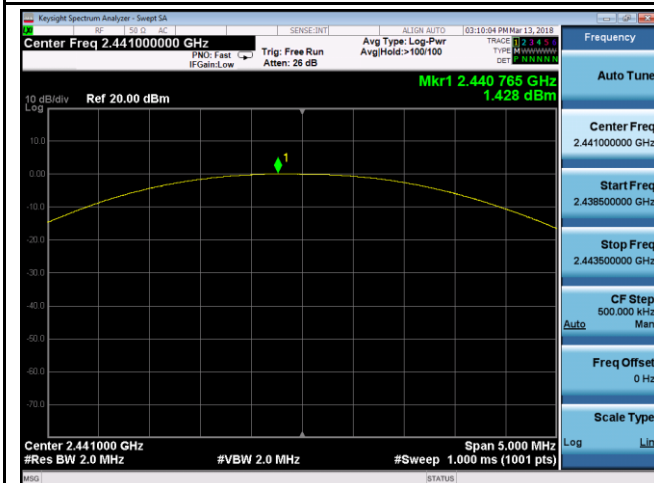
GFSK Output power - Mid CH 2441



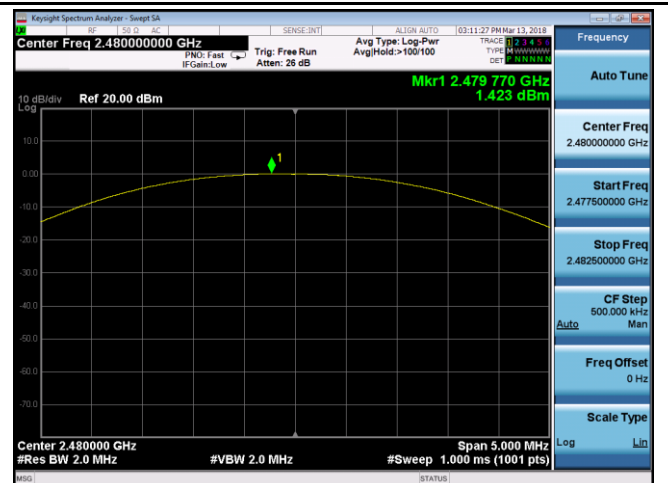
GFSK Output power - High CH 2480



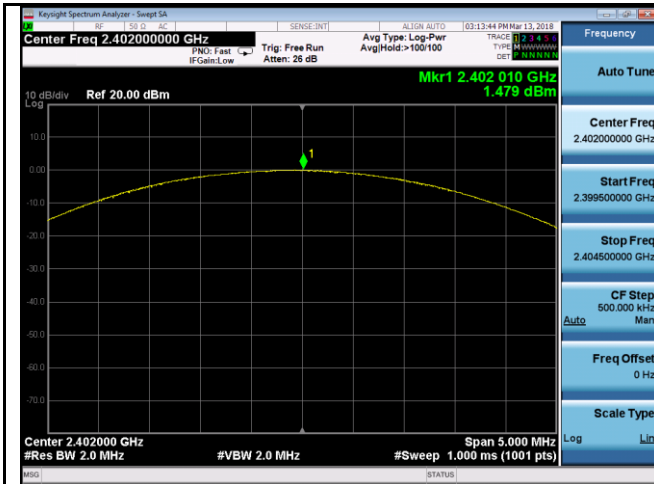
$\pi/4$ DQPSK Output power - Low CH 2402



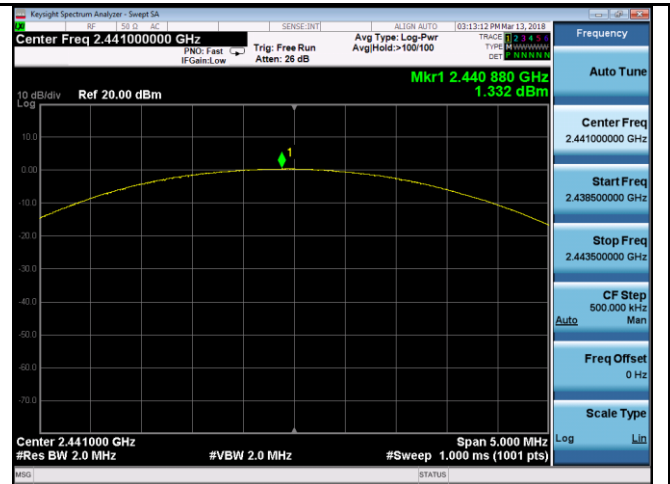
$\pi/4$ DQPSK Output power - Mid CH 2441



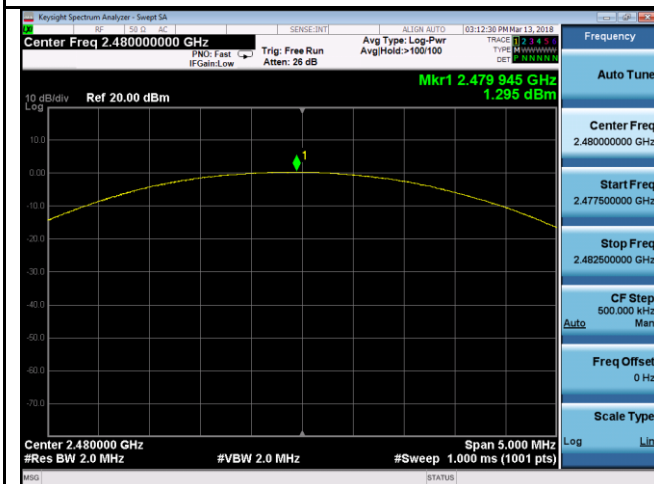
$\pi/4$ DQPSK Output power - High CH 2480



8DPSK Output power - Low CH 2402



8DPSK Output power - Mid CH 2441

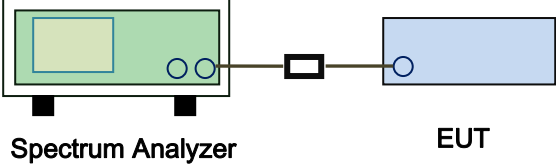


8DPSK Output power - High CH 2480

6.5 Number of Hopping Channel

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|------------------------|---|--------------------------------------|-------------------------------------|
| §15.247(a) (1)(iii) | a) | FHSS in 2400-2483.5MHz ≥ 15 channels | <input checked="" type="checkbox"/> |
| Test Setup |  <p style="text-align: center;">Spectrum Analyzer EUT</p> | | |
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. <u>Use the following spectrum analyzer settings:</u> The EUT must have its hopping function enabled.</p> <ul style="list-style-type: none"> - Span = the frequency band of operation - RBW ≥ 1% of the span - VBW ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow trace to fully stabilize. - It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s). | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

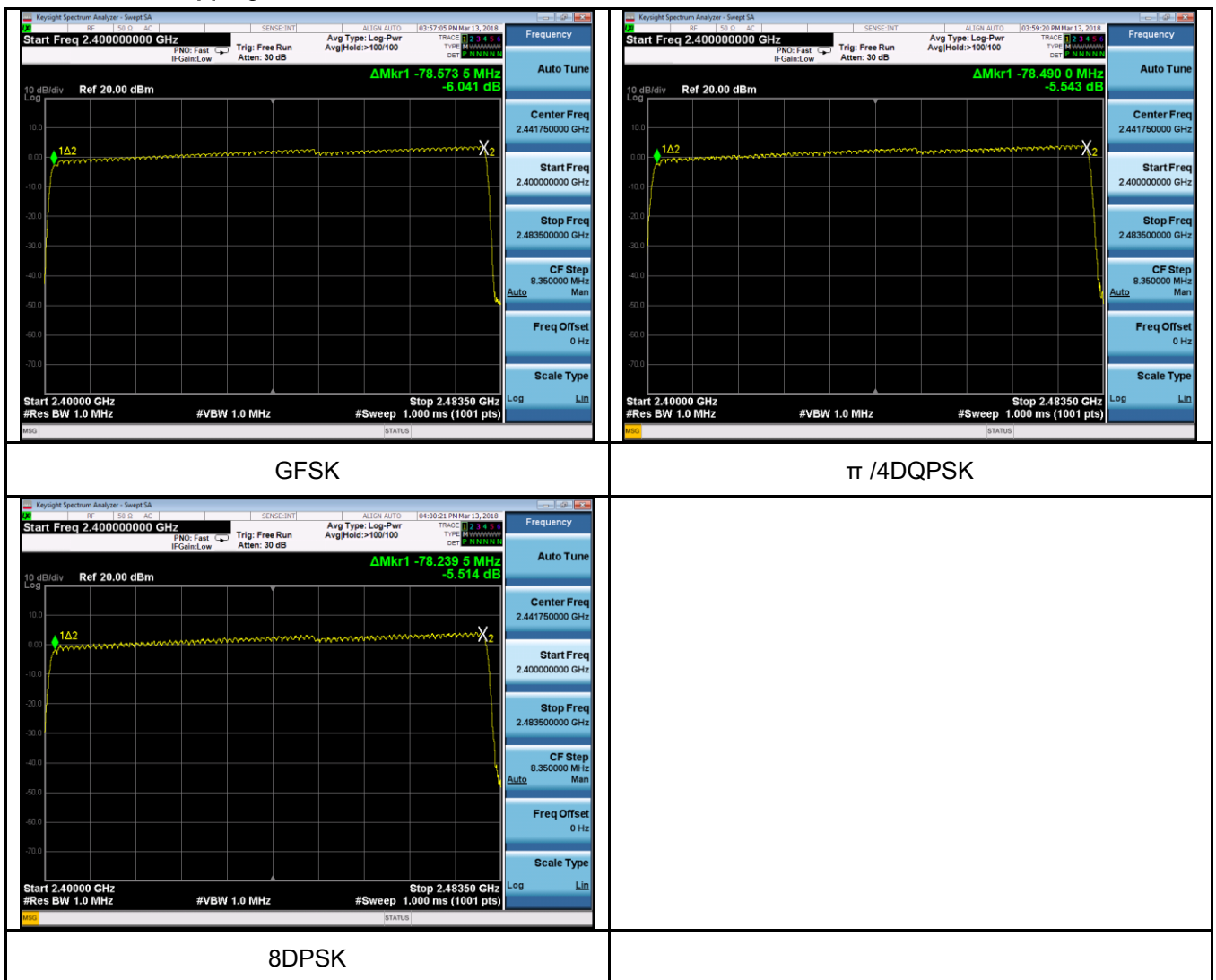
Test Data ☒ Yes ☐ N/A
 Test Plot ☒ Yes (See below) ☐ N/A

Number of Hopping Channel measurement result

| Type | Modulation | Frequency Range | Number of Hopping Channel | Limit |
|---------------------------|---------------|-----------------|---------------------------|-------|
| Number of Hopping Channel | GFSK | 2400-2483.5 | 79 | 15 |
| | $\pi/4$ DQPSK | 2400-2483.5 | 79 | 15 |
| | 8-DPSK | 2400-2483.5 | 79 | 15 |

Test Plots

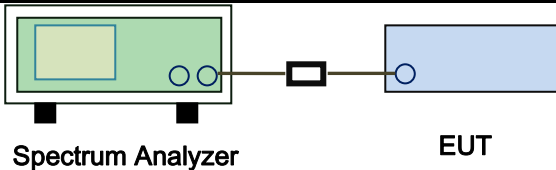
Number of Hopping Channels measurement result



6.6 Time of Occupancy (Dwell Time)

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

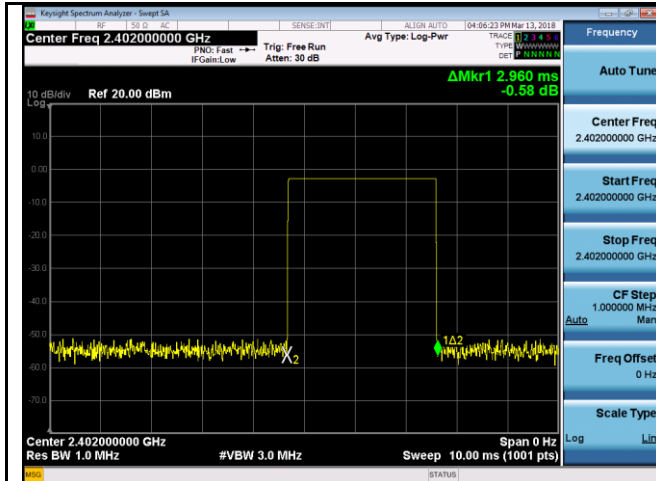
| Spec | Item | Requirement | Applicable |
|------------------------|---|-------------------|-------------------------------------|
| §15.247(a) (1)(iii) | a) | Dwell Time < 0.4s | <input checked="" type="checkbox"/> |
| Test Setup |  <p style="text-align: center;">Spectrum Analyzer EUT</p> | | |
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. <u>Use the following spectrum analyzer</u></p> <ul style="list-style-type: none"> - Span = zero span, centered on a hopping channel - RBW = 1 MHz - VBW ≥ RBW - Sweep = as necessary to capture the entire dwell time per hopping channel - Detector function = peak - Trace = max hold - use the marker-delta function to determine the dwell time | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data ☒ Yes ☐ N/A
 Test Plot ☒ Yes (See below) ☐ N/A

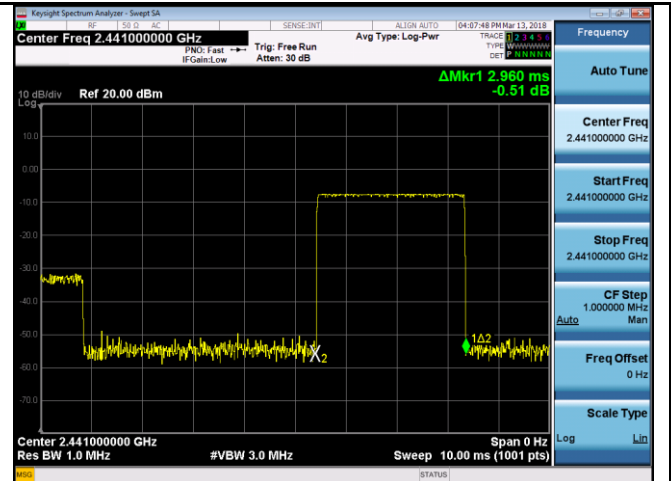
| Type | Modulation | CH | Pulse Width (ms) | Dwell Time (ms) | Limit (ms) | Result |
|---|----------------|------|---------------------|--------------------|---------------|--------|
| Dwell Time | GFSK | Low | 2.96 | 315.733 | 400 | Pass |
| | | Mid | 2.96 | 315.733 | 400 | Pass |
| | | High | 2.95 | 314.667 | 400 | Pass |
| | π /4 DQPSK | Low | 2.98 | 317.867 | 400 | Pass |
| | | Mid | 3.00 | 320.000 | 400 | Pass |
| | | High | 2.99 | 318.933 | 400 | Pass |
| | 8-DPSK | Low | 2.95 | 314.667 | 400 | Pass |
| | | Mid | 2.97 | 316.800 | 400 | Pass |
| | | High | 2.99 | 318.933 | 400 | Pass |
| Note: Dwell time=Pulse Time (ms) \times (1600 \div 6 \div 79) \times 31.6 | | | | | | |

Test Plots

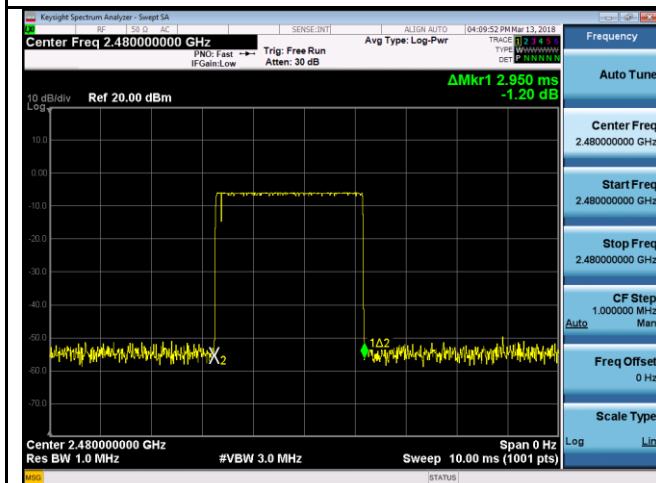
Dwell Time measurement result



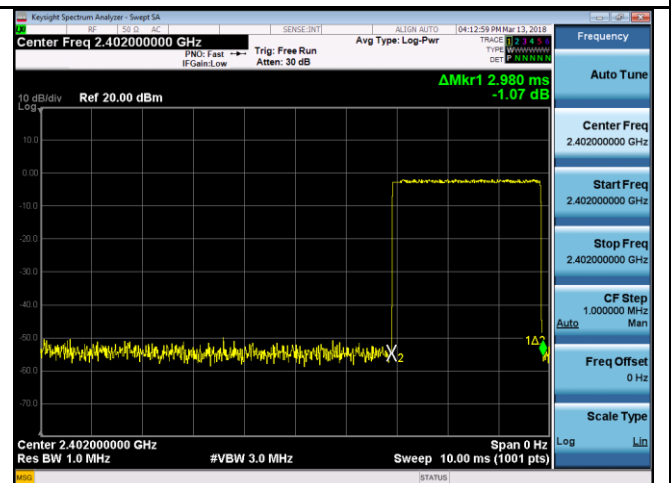
GFSK - Low CH 2402



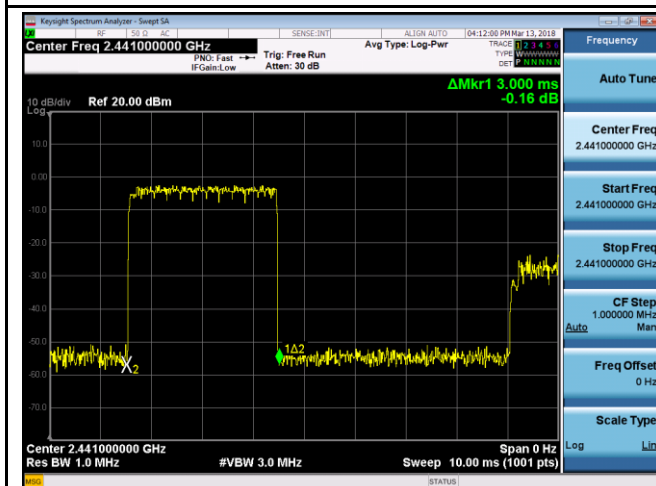
GFSK - Mid CH 2441



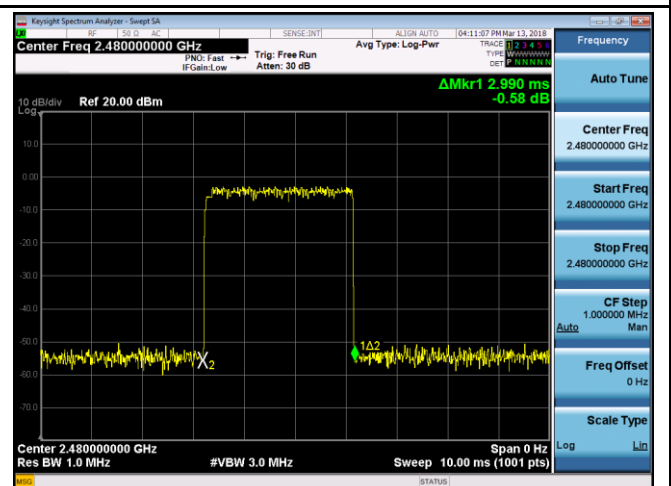
GFSK - High CH 2480



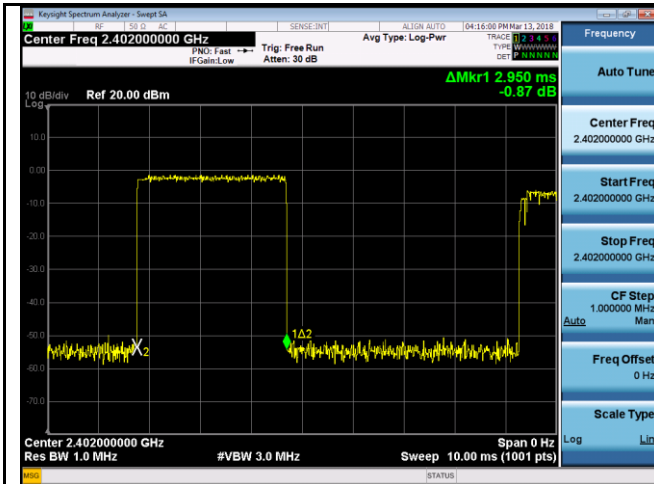
$\pi/4$ DQPSK - Low CH 2402



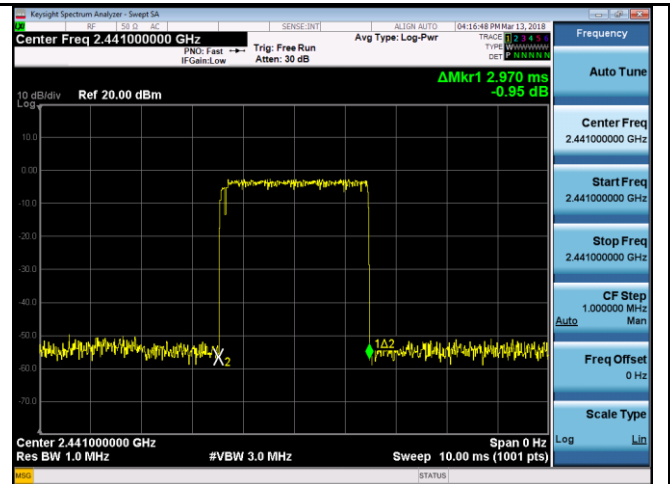
$\pi/4$ DQPSK - Mid CH 2441



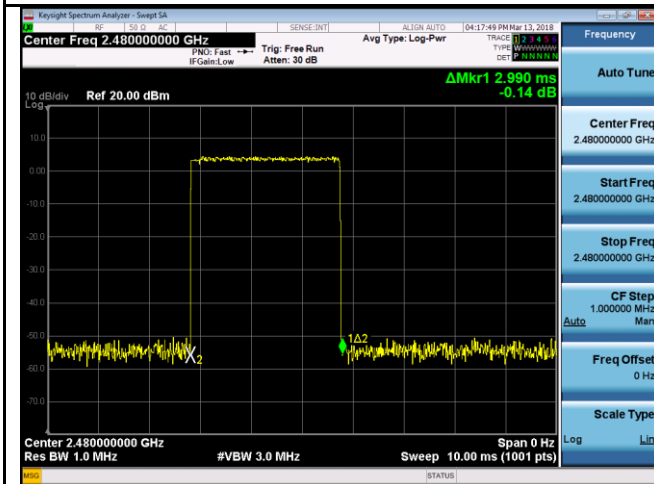
$\pi/4$ DQPSK - High CH 2480



8DPSK - Low CH 2402



8DPSK - Mid CH 2441



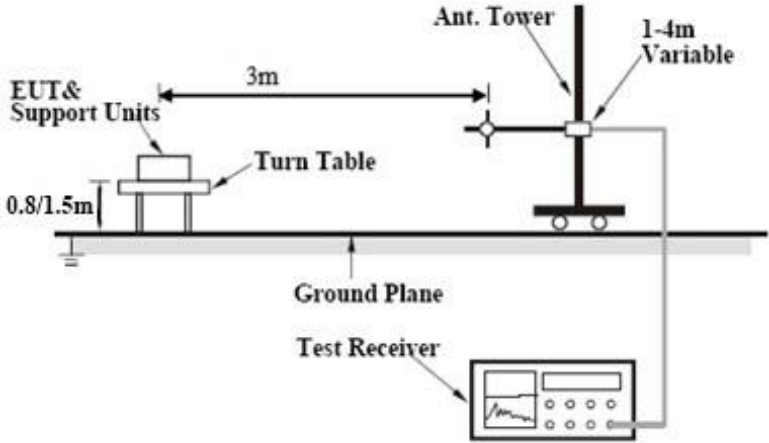
8DPSK - High CH 2480

6.7 Band Edge & Restricted Band

| | |
|----------------------|----------------|
| Temperature | 24 °C |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1008mbar |
| Test date : | March 13, 2018 |
| Tested By : | Aaron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|------------------------|------|---|-------------------------------------|
| §15.247(a) (1)(iii) | a) | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. □ | <input checked="" type="checkbox"/> |

| | |
|------------|--|
| Test Setup |  |
|------------|--|

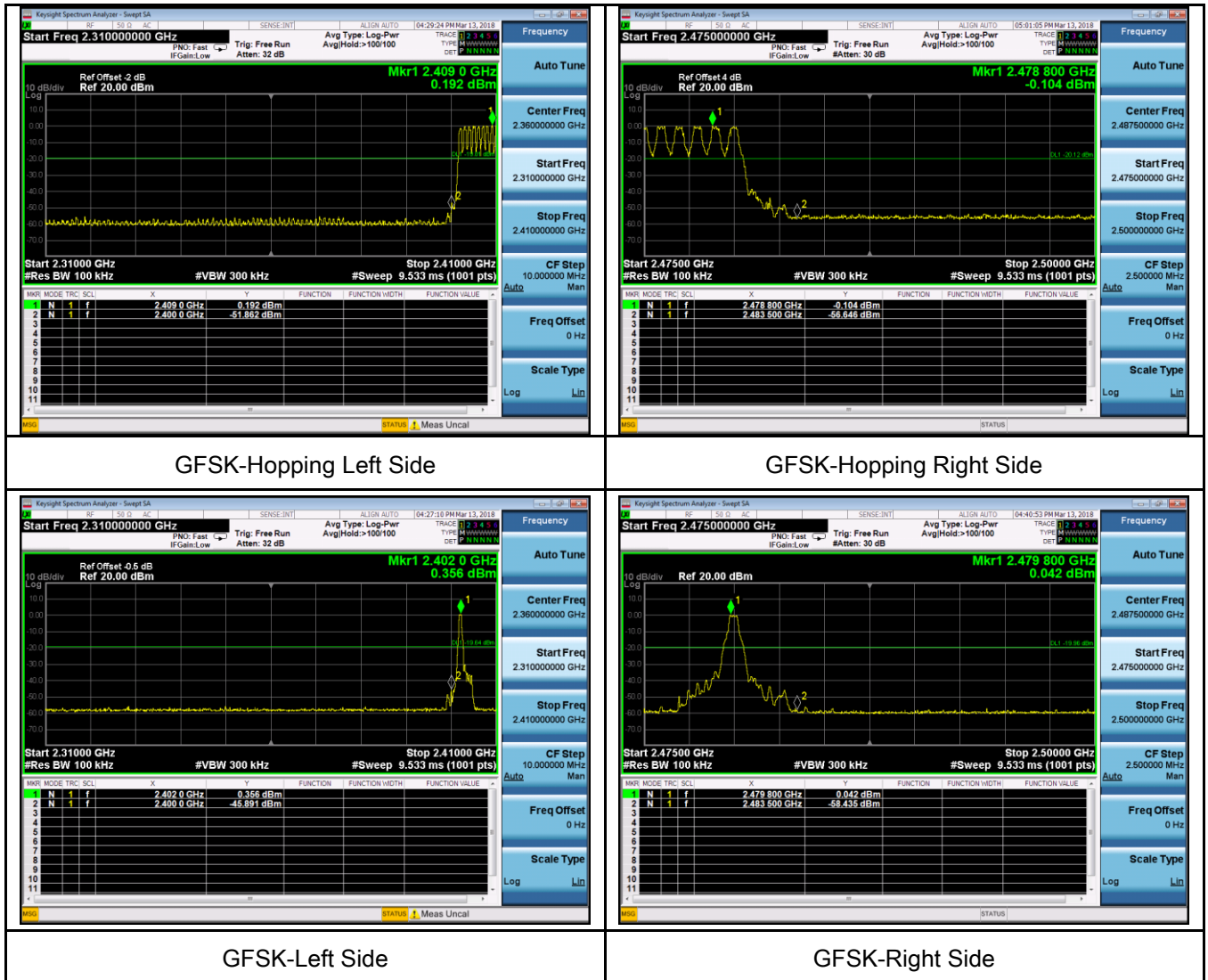
| | |
|----------------|--|
| Test Procedure | <p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Radiated Method Only</p> <ul style="list-style-type: none"> 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, |
|----------------|--|

| | |
|--------|--|
| | <p>and make sure the instrument is operated in its linear range.</p> <ul style="list-style-type: none"> - 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below: <ul style="list-style-type: none"> a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz. c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz. - 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency. - 5. Repeat above procedures until all measured frequencies were complete. |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

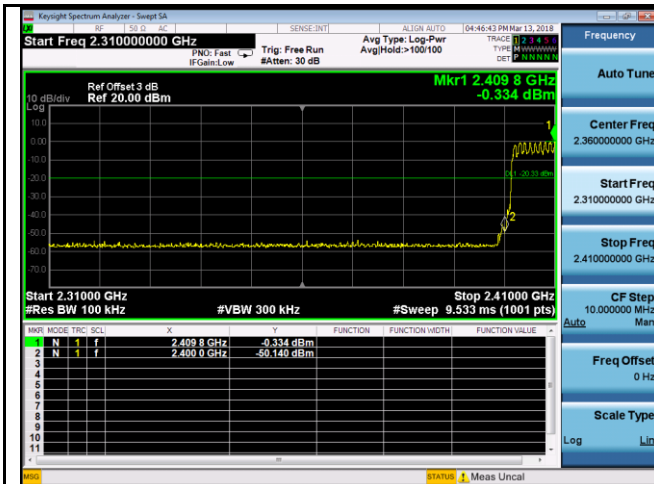
Test Data ☐ Yes ☒ N/A
Test Plot ☒ Yes (See below) ☐ N/A

Test Plots

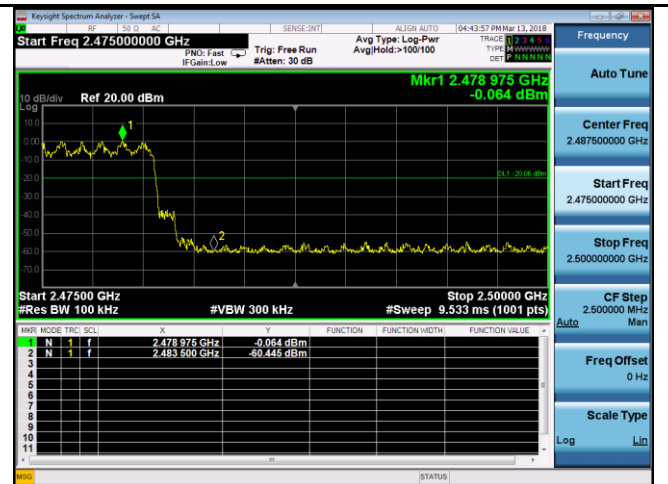
GFSK Mode:



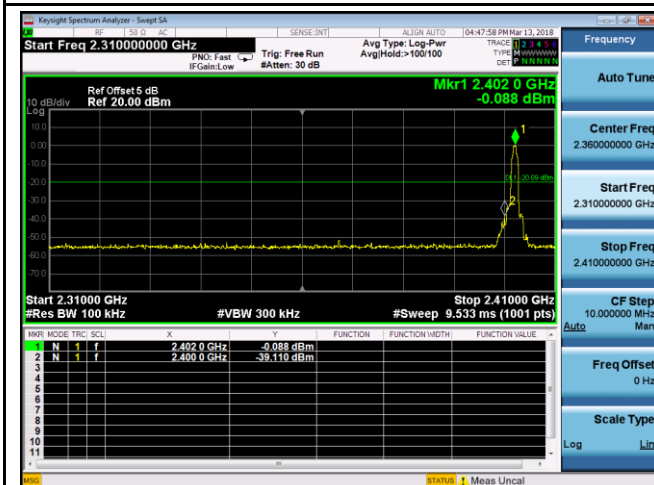
$\pi/4$ DQPSK Mode:



$\pi/4$ DQPSK-Hopping Left Side



$\pi/4$ DQPSK-Hopping Right Side



$\pi/4$ DQPSK-Left Side



$\pi/4$ DQPSK-Right Side