



RADIO TEST REPORT

Equipment : 11ax RTL8852CE Combo module
Brand Name : REALTEK
Model Name : RTL8852CE
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Standard : MIC Certification Rule, Article 2 Paragraph 1 Item 19

The product was received on Nov. 05, 2021, and testing was started from Nov. 06, 2021 and completed on May 13, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in MIC Notice No.88 Appendix No.43 and shown compliance with the applicable MIC Ordinance Regulating Radio Equipment Article 49.20 technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan



Table of Contents

| | |
|--|-----------|
| History of this test report..... | 3 |
| Summary of Test Result..... | 4 |
| 1 General Description | 5 |
| 1.1 Information..... | 5 |
| 1.2 Applicable Standards | 8 |
| 1.3 Testing Location Information | 8 |
| 1.4 Measurement Uncertainty | 8 |
| 2 Test Configuration of EUT..... | 9 |
| 2.1 Test Channel Mode | 9 |
| 2.2 The Worst Case Measurement Configuration..... | 10 |
| 2.3 EUT Operation during Test | 10 |
| 2.4 Accessories | 10 |
| 2.5 Support Equipment..... | 10 |
| 3 Test Result | 11 |
| 3.1 Frequency Error | 11 |
| 3.2 Occupied Bandwidth, Spread Bandwidth and Spread Factor | 12 |
| 3.3 Antenna Power, Antenna Power Error | 13 |
| 3.4 Transmitter Spurious Emissions..... | 14 |
| 3.5 Receiver Spurious Emissions..... | 15 |
| 3.6 Identification Code..... | 16 |
| 3.7 Hopping Frequency Dwell Time | 17 |
| 3.8 EUT Construction Protection..... | 18 |
| 4 Test Equipment and Calibration Data | 19 |
| Appendix A. Test Results of Frequency Error | |
| Appendix B. Test Results of Occupied Bandwidth / Spread Bandwidth / Spread Factor | |
| Appendix C. Test Results of Antenna Power / Antenna Power Error | |
| Appendix D. Test Results of Transmitter Spurious Emissions | |
| Appendix E. Test Results of Receiver Spurious Emissions | |
| Appendix F. Test Results of Identification Code | |
| Appendix G. Test Results of Hopping Frequency Dwell Time | |
| Appendix H. Test Photos | |
| Photographs of EUT v01 | |



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-D2_6 Ver1.1



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---|--------------------|--------------------------|
| 1.1.1 | RLE:6 | Frequency Band | PASS | - |
| 3.1 | ORE:5 | Frequency Error | PASS | - |
| 3.2 | ORE:6 | Occupied Bandwidth | PASS | - |
| 3.2 | ORE:49.20 | Spread Bandwidth / Factor | PASS | - |
| 3.3 | ORE:49.20 | Antenna Power | PASS | - |
| 3.3 | ORE:14 | Antenna Power Error | PASS | - |
| - | ORE:49.20 | Antenna Beamwidth, EIRP Limit ^{*1} | N/A | - |
| - | ORE:49.20 | Radiated EIRP ^{*1} | N/A | - |
| 3.4 | ORE:7, Table 3 | Transmitter Spurious Emissions | PASS | - |
| 3.5 | ORE:24 | Receiver Spurious Emissions | PASS | - |
| 3.6 | TR:9 | Identification Code | PASS | - |
| - | TR:9 | Carrier Sense ^{*2} | N/A | - |
| 3.7 | ORE:49.20 | Hopping Frequency Dwell Time | PASS | - |
| 3.8 | ORE:49.20 | EUT Construction Protection | N/A | Declared by manufacturer |

RLE: Radio Law Enforcement Regulations

ORE: Ordinance Regulating Radio Equipment

TR: Terminal and Other Equipment Regulations

NT: Notification of the Ministry of Internal Affairs and Communications

^{*1}: If EIRP power of EUT is lower than 12.14dBm/MHz (20MHz) and 9.1279dBm/MHz (40MHz), so "Antenna Beamwidth, EIRP Limit" and "Radiated EIRP" could be exempted tests.

^{*2}: If OFDM modulation and Occupied Bandwidth \geq 26MHz, Carrier Sense shall be performed.

Note: Reference to Sporton Project No.: 1N0223.

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

| Frequency Range (MHz) | Bluetooth Version | Ch. Frequency (MHz) | Channel Number |
|-----------------------|-------------------|---------------------|----------------|
| 2400-2483.5 | BR / EDR | 2402-2480 | 0-78 [79] |

| Band | Mode | Nant |
|---------------|--------|------|
| 2.4-2.4835GHz | BT-BR | 1TX |
| 2.4-2.4835GHz | BT-EDR | 1TX |

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.

<Low Power>

| Mode | Declared Power (mW/MHz) |
|-------------------|-------------------------|
| BT-BR(1Mbps) | 0.05636 |
| BT-BR-AFH(1Mbps) | 0.21086 |
| BT-EDR(3Mbps) | 0.05636 |
| BT-EDR-AFH(3Mbps) | 0.21086 |

<High Power>

| Mode | Declared Power (mW/MHz) |
|-------------------|-------------------------|
| BT-BR(1Mbps) | 0.33343 |
| BT-BR-AFH(1Mbps) | 1.27938 |
| BT-EDR(3Mbps) | 0.33343 |
| BT-EDR-AFH(3Mbps) | 1.27938 |

1.1.2 Antenna Information

| Ant. | Port | | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|------------------------------------|-----------|-----------|----------------------|--------------|-----------|------------|
| | WLAN 2.4GHz / 5GHz / 6GHz | Bluetooth | | | | | |
| 1 | 1/2 | 1 | ARISTOTLE | RFA-27-JP378-4B-200 | Monopole | I-PEX | Note 1 |
| 2 | 1/2 | 1 | ARISTOTLE | RFA-27-JP326-MHF4300 | PIFA | I-PEX | |
| 3 | 1/2 | 1 | ARISTOTLE | RFA-27-C38H1-MHF4300 | Dipole | I-PEX | |

Note 1

| Ant. | Port | | Gain (dBi) | | | |
|------|---------------------------------|-----------|----------------|--------------------------|---------------------|-----------|
| | WLAN 2.4GHz / 5GHz / 6GHz | Bluetooth | WLAN 2.4GHz | WLAN 5GHz UNII~UNII2C | WLAN 6GHz UNII 5 | Bluetooth |
| 1 | 1/2 | 1 | 3.38 | 4.86 | 4.86 | 3.38 |
| 2 | 1/2 | 1 | 3.50 | 5.00 | 5.00 | 3.50 |
| 3 | 1/2 | 1 | 3.00 | 5.00 | 5.00 | 3.00 |

Note 2: The above information was declared by manufacturer.

Note 3: Only the highest gain antenna (antenna 2) was selected to test and record in this report.

<For WLAN 2.4GHz function>

For IEEE 802.11b/g/n/VHT/ax (1TX/2RX):

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz function>

For IEEE 802.11a/n/ac/ax (1TX/2RX):

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz function>

For IEEE 802.11ax (1TX/2RX):

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

**For IEEE 802.11a/n/ac/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 EUT Information

| | |
|------------------------------|--------------------|
| EUT Power Type | From host system |
| Test Software Version | RTLBTAPP V5.2.3.13 |

1.1.4 Mode Test Duty Cycle

| Mode | DC | DCF(dB) |
|-------------------|----|---------|
| BT-BR(1Mbps) | 1 | 0 |
| BT-BR-AFH(1Mbps) | 1 | 0 |
| BT-EDR(3Mbps) | 1 | 0 |
| BT-EDR-AFH(3Mbps) | 1 | 0 |

1.1.5 Power Supply Voltage Fluctuation

| Fluctuation | AC Input Power(V) | DC Output Power(V) | Variation (%) |
|-------------|-------------------|--------------------|---------------|
| Normal Vol | 100 | 3.3 | - |
| High Vol | 110 | 3.3 | 0.00 |
| Low Vol | 90 | 3.3 | 0.00 |

Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100.
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ MIC Ordinance Regulating Radio Equipment Article 49.20
- ♦ MIC Notice No.88 Appendix No.43

1.3 Testing Location Information

| Testing Location Information | | | | |
|---|--|---------------------|--|--|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory | | | | |
| Hsinchu | ADD: No.8, Ln. 724, Bo' ai St., Zhubei City, Hsinchu County 302010, Taiwan | | | |
| (TAF: 3787) | TEL: 886-3-656-9065 | FAX: 886-3-656-9085 | | |

| Test Condition | Test Site No. | Test Engineer | Test Environment (°C / %) | Test Date |
|----------------|---------------|---------------|------------------------------|--------------------------------|
| RF Conducted | TH03-CB | Owen Hsu | 22.9-23.5 / 61-63 | Nov. 06, 2021~ May 13, 2022 |

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

| Test Items | Uncertainty | Remark |
|--------------------|--------------------------|--------------------------|
| Conducted Emission | 2.5 dB | Confidence levels of 95% |
| Radio frequency | 9.7×10^{-7} MHz | Confidence levels of 95% |



2 Test Configuration of EUT

2.1 Test Channel Mode

<Low Power>

| Mode | Power Setting |
|-------------------|---------------|
| BT-BR(1Mbps) | - |
| 2402MHz | 0x49 |
| 2440MHz | 0x49 |
| 2480MHz | 0x4B |
| BT-BR-AFH(1Mbps) | - |
| 2422MHz | 0x47 |
| 2431MHz | 0x47 |
| 2441MHz | 0x47 |
| BT-EDR(3Mbps) | - |
| 2402MHz | 0x4B |
| 2440MHz | 0x4B |
| 2480MHz | 0x4D |
| BT-EDR-AFH(3Mbps) | - |
| 2441MHz | 0x4B |
| 2451MHz | 0x4B |
| 2460MHz | 0x4B |

<High Power>

| Mode | Power Setting |
|-------------------|---------------|
| BT-BR(1Mbps) | - |
| 2402MHz | 0x5B |
| 2440MHz | 0x5B |
| 2480MHz | 0x5B |
| BT-BR-AFH(1Mbps) | - |
| 2422MHz | 0x5B |
| 2431MHz | 0x5B |
| 2441MHz | 0x5B |
| BT-EDR(3Mbps) | - |
| 2402MHz | 0x54 |
| 2440MHz | 0x54 |
| 2480MHz | 0x54 |
| BT-EDR-AFH(3Mbps) | - |
| 2441MHz | 0x54 |
| 2451MHz | 0x54 |
| 2460MHz | 0x54 |



2.2 The Worst Case Measurement Configuration

| | |
|-----------------------|--|
| Tests Item | Frequency Error, Occupied Bandwidth, Spread Bandwidth, Spread Factor, Antenna Power, Antenna Power Error, Transmitter Spurious Emissions, Receiver Spurious Emissions, Identification Code, Hopping Frequency Dwell Time |
| Test Condition | Conducted measurement at transmit chains. |
| Test Mode | |
| 1 | Low Power |
| 2 | High Power |

2.3 EUT Operation during Test

During the test, "RTLBTAPP V5.2.3.13" under WIN 7 was executed the test program to control the EUT continuously transmit/receive RF signal.

2.4 Accessories

N/A

2.5 Support Equipment

| Support Equipment | | | | |
|-------------------|-----------|------------|---------------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| A | Notebook | DELL | E4300 | N/A |
| B | Fixture | REALTEK | Ameba adapter | N/A |

3 Test Result

3.1 Frequency Error

3.1.1 Frequency Error Limit

| Frequency Error Limit |
|-----------------------|
| $\leq \pm 50$ ppm |

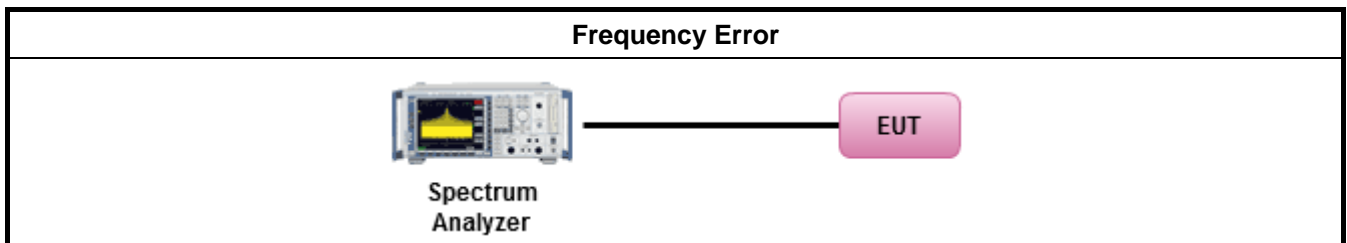
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

| Test Method | |
|------------------------------------|---|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 3.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 3.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 3.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 3.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 3.6 |

3.1.4 Test Setup



3.1.5 Test Result of Frequency Error

Refer as Appendix A

3.2 Occupied Bandwidth, Spread Bandwidth and Spread Factor

3.2.1 Occupied Bandwidth, Spread Bandwidth and Spread Factor Limit

| Occupied Bandwidth Limit | |
|--------------------------|----------|
| FHSS | 83.5 MHz |
| FHSS + DSSS | 83.5 MHz |
| FHSS + OFDM | 83.5 MHz |
| OFDM | 40 MHz |
| Other | 26 MHz |

| Spread Bandwidth and Spread Factor Limit | |
|--|---------|
| Spread Bandwidth | ≥500kHz |
| Spread Factor | ≥5 |

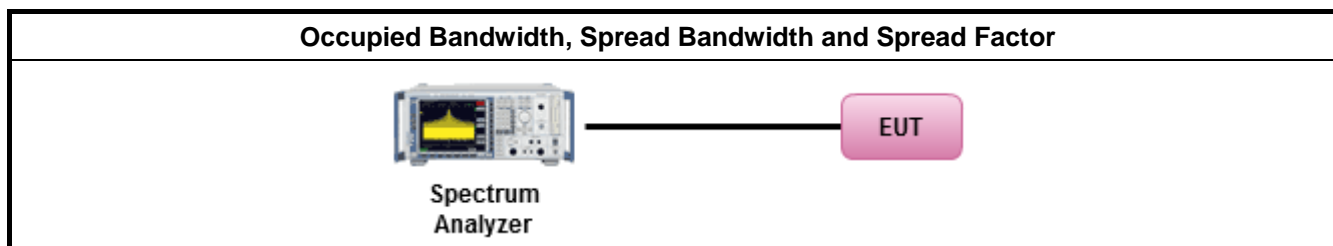
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

| Test Method | |
|------------------------------------|---|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 4.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 4.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 4.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 4.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 4.6 |

3.2.4 Test Setup



3.2.5 Test Result of Occupied Bandwidth / Spread Bandwidth / Spread Factor

Refer as Appendix B

3.3 Antenna Power, Antenna Power Error

3.3.1 Antenna Power and Antenna Power Error Limit

| Antenna Power Limit (mW/MHz) |
|--|
| $\leq 3\text{mW/MHz}$ (FHSS, FHSS+DSSS, FHSS+OFDM from 2427~2470.75 MHz) $\leq 10\text{mW/MHz}$ (DSSS from 2400~2483.5MHz) $\leq 10\text{mW/MHz}$ (OFDM from 2400~2483.5MHz) – [OBW \leq 26MHz] $\leq 5\text{mW/MHz}$ (OFDM from 2400~2483.5MHz) – [26MHz<OBW \leq 40MHz] $\leq 10\text{mW}$ (Other from 2400~2483.5MHz) |

| Antenna Power Error Limit (%) |
|-------------------------------|
| +20% ~ -80% |

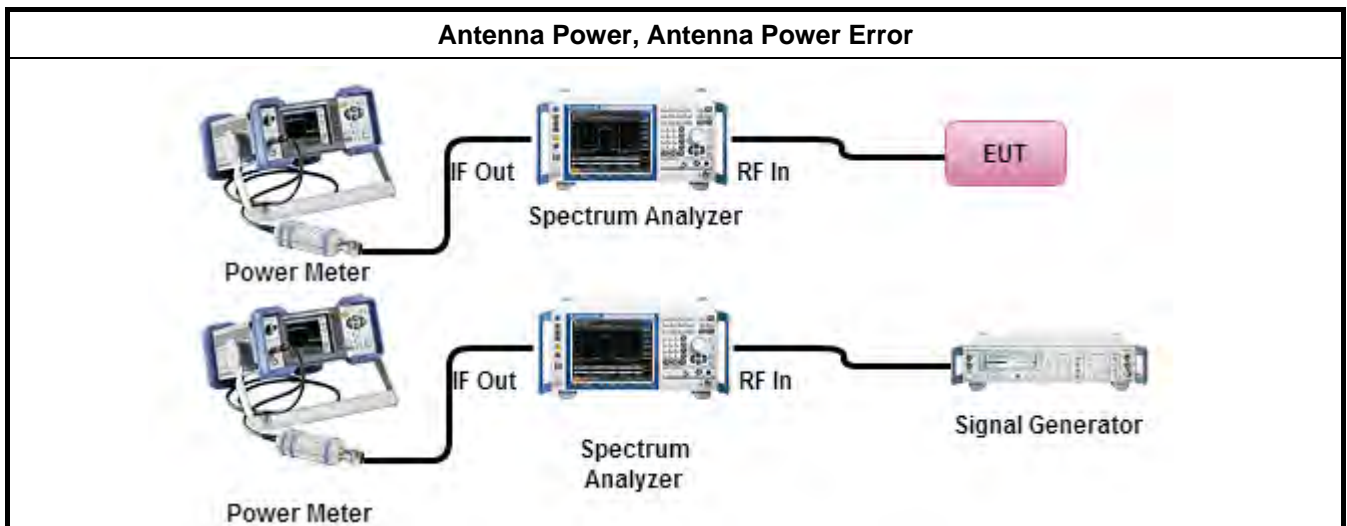
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

| Test Method | |
|------------------------------------|---|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 6.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 6.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 6.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 6.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 6.6 |

3.3.4 Test Setup



3.3.5 Test Result of Antenna Power and Antenna Power Error

Refer as Appendix C

3.4 Transmitter Spurious Emissions

3.4.1 Transmitter Spurious Emissions Limit

| Transmitter Spurious Emissions | | Limit | |
|--------------------------------|--------|--------|---------|
| Range (MHz) | | uW/MHz | dBm/MHz |
| 30 | 2387 | 2.5 | -26 |
| 2387 | 2400 | 25 | -16 |
| 2483.5 | 2496.5 | 25 | -16 |
| 2496.5 | 12500 | 2.5 | -26 |

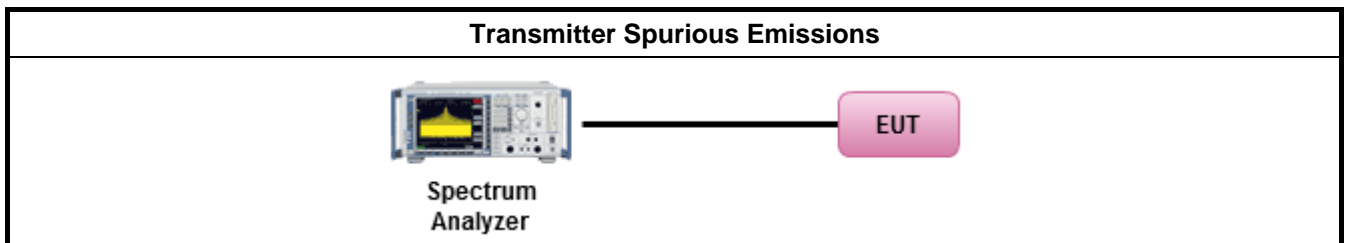
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

| Test Method | |
|------------------------------------|--|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.1, clause 1.3 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.1, clause 1.4 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.1, clause 1.5 |
| Presentation of Results | MIC Notice No.88 Appendix No.1, clause 1.6 |

3.4.4 Test Setup



3.4.5 Test Result of Transmitter Spurious Emissions

Refer as Appendix D

3.5 Receiver Spurious Emissions

3.5.1 Receiver Spurious Emissions Limit

| RX Spurious Emission | | Limit | | | |
|----------------------|-------|-------|----|-----|-----|
| Range (MHz) | | nW | | dBm | |
| 30 | 1000 | 4 | 4 | -54 | -54 |
| 1000 | 12500 | 20 | 20 | -47 | -47 |

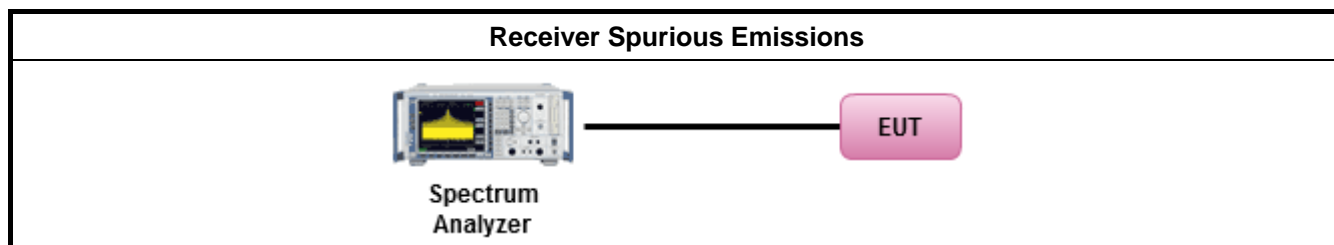
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

| Test Method | |
|------------------------------------|---|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 7.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 7.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 7.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 7.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 7.6 |

3.5.4 Test Setup



3.5.5 Test Result of Receiver Spurious Emissions

Refer as Appendix E

3.6 Identification Code

3.6.1 Identification Code Limit

| Identification Code Limit |
|---------------------------|
| ≤ 48 bits |

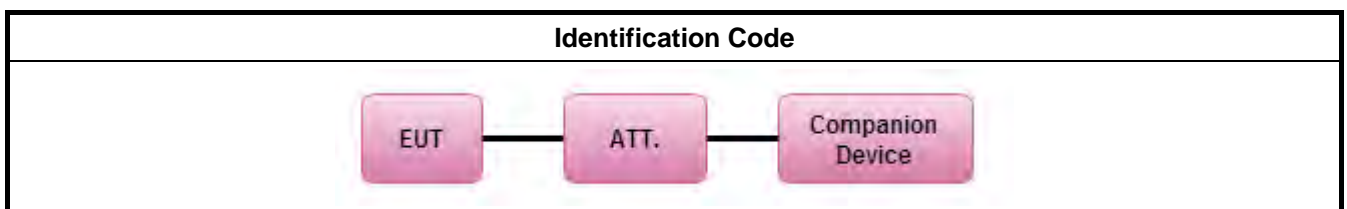
3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

| Test Method | |
|------------------------------------|--|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 12.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 12.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 12.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 12.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 12.6 |

3.6.4 Test Setup



3.6.5 Test Result of Identification Code

Refer as Appendix F

3.7 Hopping Frequency Dwell Time

3.7.1 Hopping Frequency Dwell Time Limit

| Hopping Frequency Dwell Time Limit | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 2400-2483.5 MHz Band: Dwell time ≤ 0.4 second within $0.4 \times N$ |
| N: Number of Hopping Frequencies | |

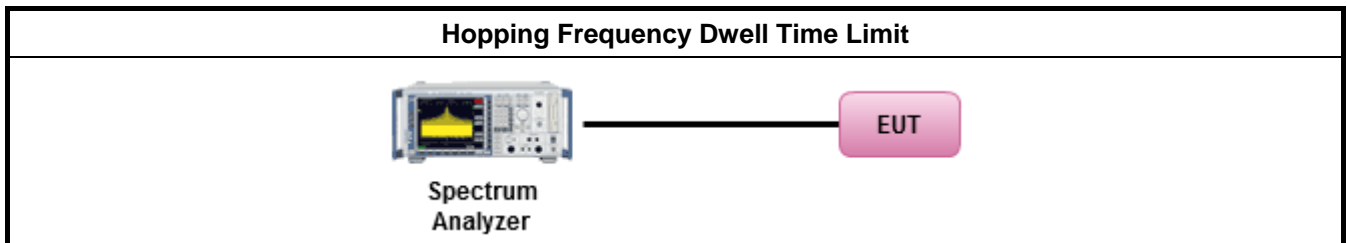
3.7.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

| Test Method | |
|------------------------------------|--|
| Measuring Equipment Conditions | MIC Notice No.88 Appendix No.43, clause 13.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 13.3 |
| Measuring Operation Procedures | MIC Notice No.88 Appendix No.43, clause 13.4 |
| Presentation of Results | MIC Notice No.88 Appendix No.43, clause 13.5 |
| Other Conditions | MIC Notice No.88 Appendix No.43, clause 13.6 |

3.7.4 Test Setup



3.7.5 Test Result of Hopping Frequency Dwell Time Limit

Refer as Appendix G

3.8 EUT Construction Protection

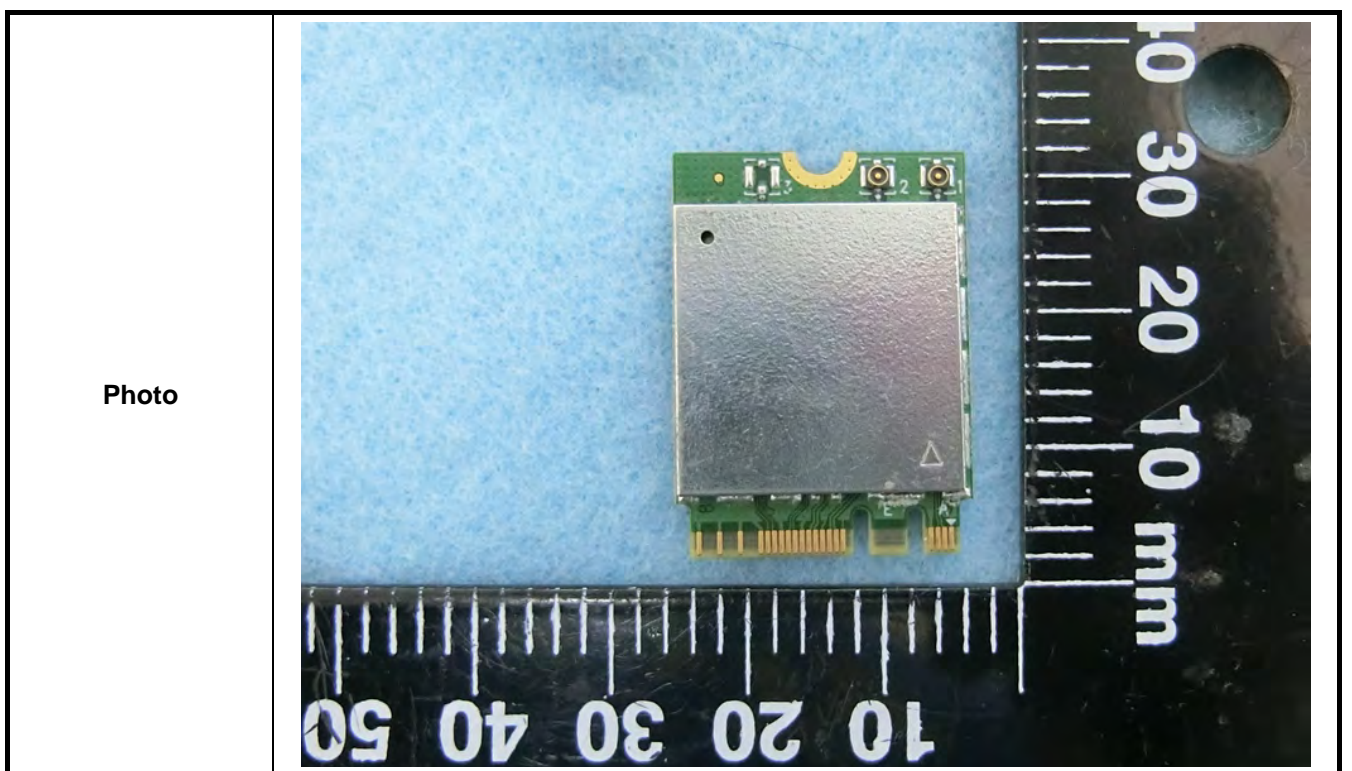
3.8.1 EUT Construction Protection Limit

| EUT Construction Protection Limit | |
|---|--|
| The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily. | |

3.8.2 EUT Construction Protection

| EUT Construction Protection | |
|-----------------------------|--|
| Protected Method | Description |
| Shielding Case | RF and Modulation components are covered with shielding case and this shielding case is soldered |

3.8.3 Reference Documents





4 Test Equipment and Calibration Data

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Calibration Method | Calibration Agent Name | Remark |
|---------------------|---------|-----------|---------------|-----------------|------------------|----------------------|--------------------|------------------------|---------------------|
| Signal Analyzer | R&S | FSV40 | 101904 | 9kHz ~ 40GHz | Apr. 15, 2021 | Apr. 14, 2022 | c) | A | Conducted (TH03-CB) |
| Spectrum analyzer | R&S | FSV40 | 101028 | 9kHz~40GHz | Jan. 07, 2022 | Jan. 06, 2023 | c) | A | Conducted (TH03-CB) |
| Power Sensor | Anritsu | MA2411B | 1726195 | 300MHz~40GHz | Aug. 22, 2021 | Aug. 21, 2022 | d) | A | Conducted (TH03-CB) |
| Power Meter | Anritsu | ML2495A | 1035008 | 300MHz~40GHz | Aug. 22, 2021 | Aug. 21, 2022 | d) | A | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-11 | 1 GHz ~18 GHz | Oct. 04, 2021 | Oct. 03, 2022 | d) | B | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-12 | 1 GHz ~18 GHz | Oct. 04, 2021 | Oct. 03, 2022 | d) | B | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-13 | 1 GHz ~18 GHz | Oct. 04, 2021 | Oct. 03, 2022 | d) | B | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-14 | 1 GHz ~18 GHz | Oct. 04, 2021 | Oct. 03, 2022 | d) | B | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-15 | 1 GHz ~18 GHz | Oct. 04, 2021 | Oct. 03, 2022 | d) | B | Conducted (TH03-CB) |
| Digital Multimeters | Fluke | 15B+ | 42390498WS | - | Oct. 27. 2021 | Oct. 26. 2022 | c) | A | Conducted (TH03-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | N/A | N/A | Conducted (TH03-CB) |

Note:

1. Calibration Interval of instruments listed above is one year.
2. N.C.R. means Non-Calibration required.
3. Calibration Agent Name: Describe calibration agent name with its country name, and symbols in "Calibration Agent Name" shows the agent names as follows,
A: Electronics Testing Center, Taiwan.
B: Sporton International Inc., Taiwan.
C: ROHDE&SCHWARZ, Taiwan.
4. Calibration Method
a) : Calibration conducted by the National Institute of Information and Communications Technology or a designated calibration agency under Article 102-18 paragraph (1)
b) : Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
d) : Calibration conducted by using other equipment that listed above from a) to c)
5. The second Spectrum analyzer (101028) is a spare for the first Signal Analyzer (101904), when the first one expires, we will use the second one for testing. So from Nov. 06, 2021 to Apr. 14, 2022, we use Signal Analyzer(101904) for testing, and from Apr. 15, 2022 to May 13, 2022 we use Spectrum analyzer(101028) for testing.

Summary

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|-------------------|--------|------------|----------------|--------|----------------|------|--------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 2.48G | 2.48001597G | 6.4396 | ±50 | 1 | - |
| BT-BR-AFH(1Mbps) | Pass | 2.431G | 2.43101544G | 6.3524 | ±50 | 1 | - |
| BT-EDR(3Mbps) | Pass | 2.48G | 2.48001585G | 6.3923 | ±50 | 1 | - |
| BT-EDR-AFH(3Mbps) | Pass | 2.441G | 2.44101541G | 6.3141 | ±50 | 1 | - |

Result

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|-------------------|--------|------------|----------------|--------|----------------|------|--------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 2.402G | 2.40201529G | 6.3649 | ±50 | 1 | - |
| 2440MHz_TnomVnom | Pass | 2.44G | 2.44001558G | 6.3836 | ±50 | 1 | - |
| 2480MHz_TnomVnom | Pass | 2.48G | 2.48001597G | 6.4396 | ±50 | 1 | - |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 2.422G | 2.42201525G | 6.2965 | ±50 | 1 | - |
| 2431MHz_TnomVnom | Pass | 2.431G | 2.43101544G | 6.3524 | ±50 | 1 | - |
| 2441MHz_TnomVnom | Pass | 2.441G | 2.4410155G | 6.3479 | ±50 | 1 | - |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 2.402G | 2.40201525G | 6.3486 | ±50 | 1 | - |
| 2440MHz_TnomVnom | Pass | 2.44G | 2.44001551G | 6.3562 | ±50 | 1 | - |
| 2480MHz_TnomVnom | Pass | 2.48G | 2.48001585G | 6.3923 | ±50 | 1 | - |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 2.441G | 2.44101541G | 6.3141 | ±50 | 1 | - |
| 2451MHz_TnomVnom | Pass | 2.451G | 2.45101542G | 6.292 | ±50 | 1 | - |
| 2460MHz_TnomVnom | Pass | 2.46G | 2.4600155G | 6.3012 | ±50 | 1 | - |

Summary

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|-------------------|--------|------------|----------------|--------|----------------|------|--------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 2.48G | 2.48001597G | 6.4396 | ±50 | 1 | - |
| BT-BR-AFH(1Mbps) | Pass | 2.431G | 2.43101544G | 6.3524 | ±50 | 1 | - |
| BT-EDR(3Mbps) | Pass | 2.48G | 2.48001585G | 6.3923 | ±50 | 1 | - |
| BT-EDR-AFH(3Mbps) | Pass | 2.441G | 2.44101541G | 6.3141 | ±50 | 1 | - |

Result

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|-------------------|--------|------------|----------------|--------|----------------|------|--------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 2.402G | 2.40201529G | 6.3649 | ±50 | 1 | - |
| 2440MHz_TnomVnom | Pass | 2.44G | 2.44001558G | 6.3836 | ±50 | 1 | - |
| 2480MHz_TnomVnom | Pass | 2.48G | 2.48001597G | 6.4396 | ±50 | 1 | - |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 2.422G | 2.42201525G | 6.2965 | ±50 | 1 | - |
| 2431MHz_TnomVnom | Pass | 2.431G | 2.43101544G | 6.3524 | ±50 | 1 | - |
| 2441MHz_TnomVnom | Pass | 2.441G | 2.4410155G | 6.3479 | ±50 | 1 | - |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 2.402G | 2.40201525G | 6.3486 | ±50 | 1 | - |
| 2440MHz_TnomVnom | Pass | 2.44G | 2.44001551G | 6.3562 | ±50 | 1 | - |
| 2480MHz_TnomVnom | Pass | 2.48G | 2.48001585G | 6.3923 | ±50 | 1 | - |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 2.441G | 2.44101541G | 6.3141 | ±50 | 1 | - |
| 2451MHz_TnomVnom | Pass | 2.451G | 2.45101542G | 6.292 | ±50 | 1 | - |
| 2460MHz_TnomVnom | Pass | 2.46G | 2.4600155G | 6.3012 | ±50 | 1 | - |



Occupied Bandwidth (FHSS) <Low Power>

Appendix B.1

Summary

| Mode | Max-OBW (Hz) | ITU-Code | Min-OBW (Hz) |
|-------------------|-----------------|----------|-----------------|
| 2.4-2.4835GHz | - | - | - |
| BT-BR(1Mbps) | 78.8M | 78M8F1D | 78.8M |
| BT-BR-AFH(1Mbps) | 20.7M | 20M7F1D | 20.7M |
| BT-EDR(3Mbps) | 78.8M | 78M8G1D | 78.8M |
| BT-EDR-AFH(3Mbps) | 20.9M | 20M9G1D | 20.9M |

Max-OBW = Maximum 99% occupied bandwidth; Min-OBW = Minimum 99% occupied bandwidth;

Result

| Mode | Result | Limit (Hz) | P1-OBW (Hz) |
|-------------------|--------|---------------|----------------|
| BT-BR(1Mbps) | - | - | - |
| 2440MHz_TnomVnom | Pass | 83.5M | 78.8M |
| BT-BR-AFH(1Mbps) | - | - | - |
| 2431MHz_TnomVnom | Pass | 83.5M | 20.7M |
| BT-EDR(3Mbps) | - | - | - |
| 2440MHz_TnomVnom | Pass | 83.5M | 78.8M |
| BT-EDR-AFH(3Mbps) | - | - | - |
| 2451MHz_TnomVnom | Pass | 83.5M | 20.9M |

P1-OBW = Port 1 99% occupied bandwidth; P2-OBW = Port 2 99% occupied bandwidth; Pn-OBW = Port n 99% occupied bandwidth

BT-BR(1Mbps)

OBW-FS

2440MHz_TnomVnom

06/11/2021

CF
2.44GHz

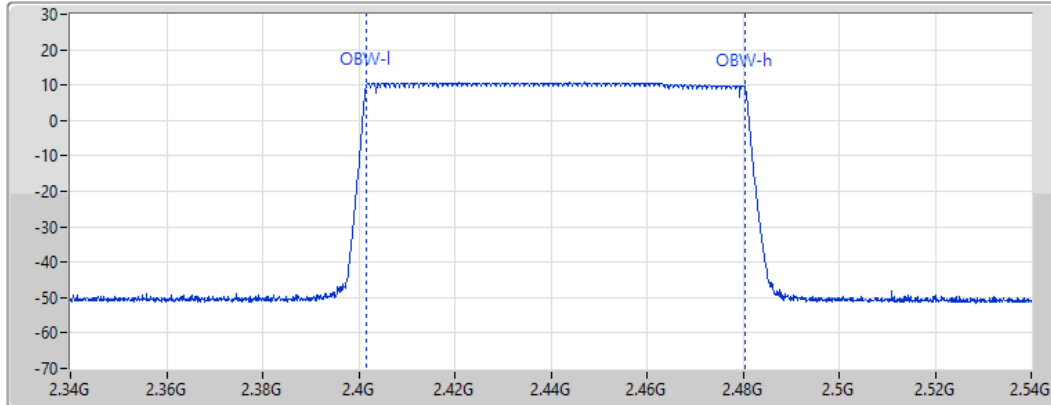
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
1.2s

Detector Type
Peak



| OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|-----------|------|
| 78.8M | 2.4016G | 2.4804G | 83.5M | 1 |

BT-BR-AFH(1Mbps)

OBW-FS

2431MHz_TnomVnom

06/11/2021

CF
2.431GHz

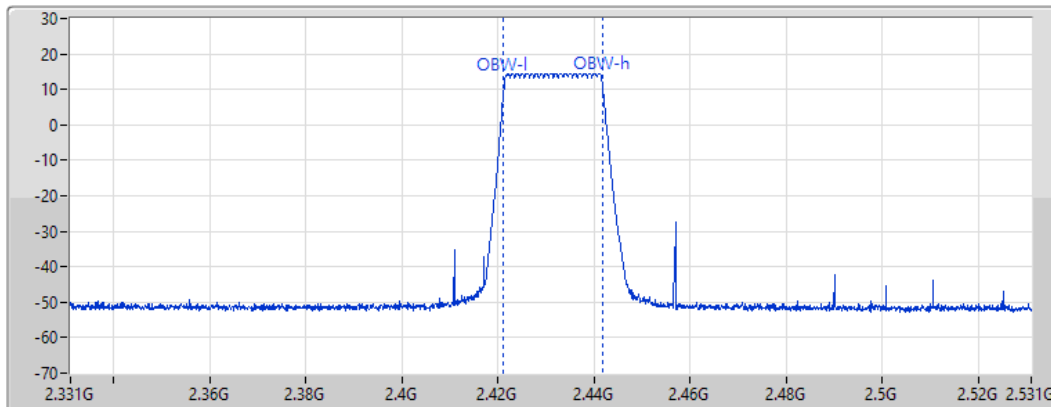
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
20ms

Detector Type
Peak



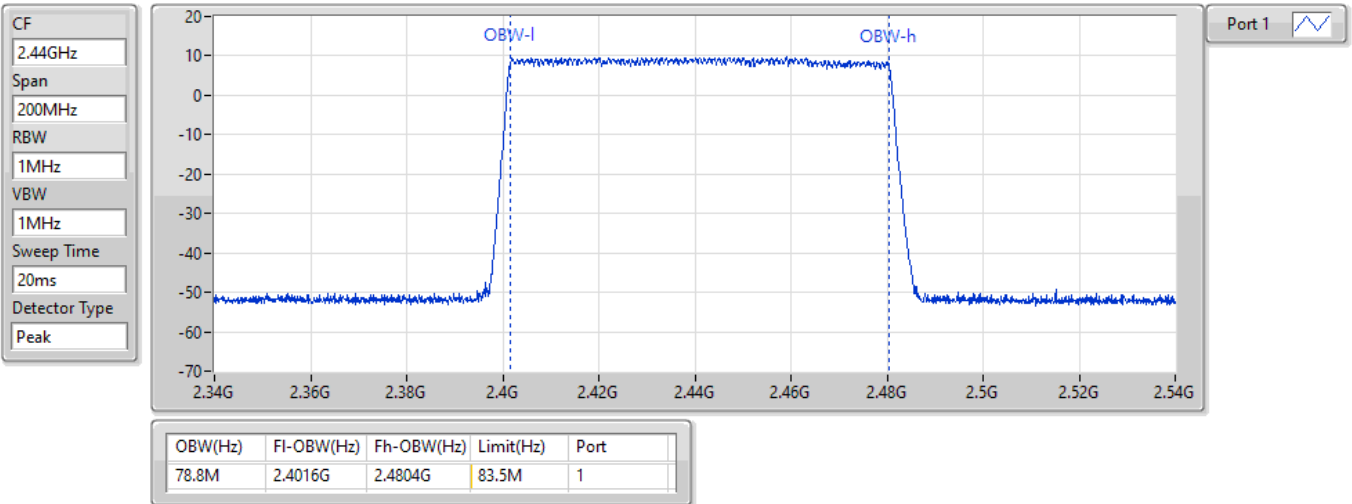
| OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|-----------|------|
| 20.7M | 2.4212G | 2.4419G | 83.5M | 1 |

BT-EDR(3Mbps)

OBW-FS

2440MHz_TnomVnom

06/11/2021

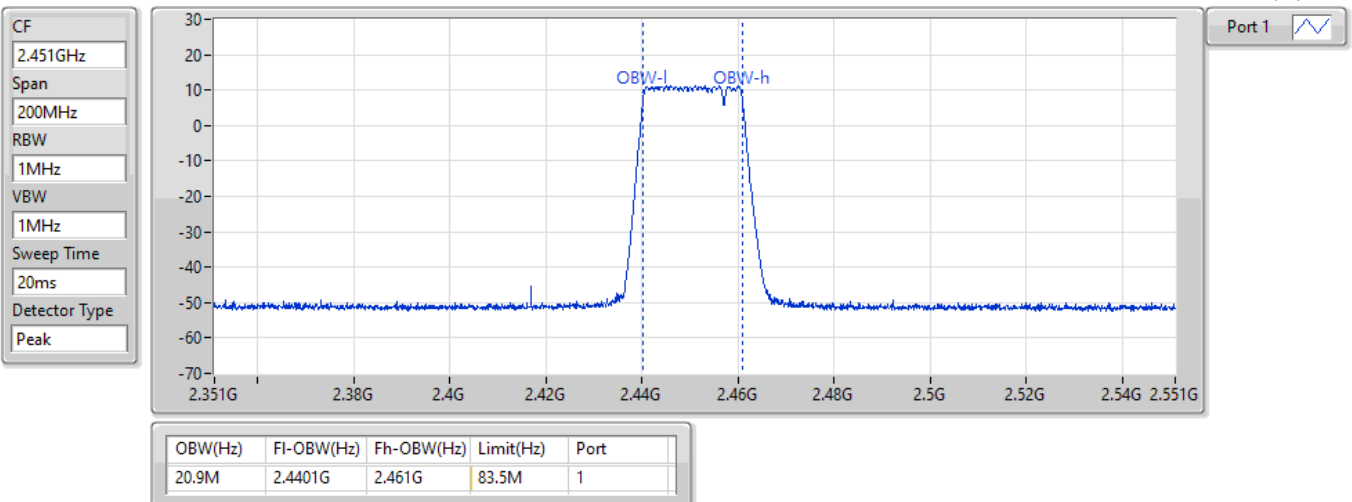


BT-EDR-AFH(3Mbps)

OBW-FS

2451MHz_TnomVnom

07/11/2021





Occupied Bandwidth (FHSS) <High Power>

Appendix B.2

Summary

| Mode | Max-OBW (Hz) | ITU-Code | Min-OBW (Hz) |
|-------------------|-----------------|----------|-----------------|
| 2.4-2.4835GHz | - | - | - |
| BT-BR(1Mbps) | 78.8M | 78M8F1D | 78.8M |
| BT-BR-AFH(1Mbps) | 20.7M | 20M7F1D | 20.7M |
| BT-EDR(3Mbps) | 78.8M | 78M8G1D | 78.8M |
| BT-EDR-AFH(3Mbps) | 20.9M | 20M9G1D | 20.9M |

Max-OBW = Maximum 99% occupied bandwidth; Min-OBW = Minimum 99% occupied bandwidth;

Result

| Mode | Result | Limit (Hz) | P1-OBW (Hz) |
|-------------------|--------|---------------|----------------|
| BT-BR(1Mbps) | - | - | - |
| 2440MHz_TnomVnom | Pass | 83.5M | 78.8M |
| BT-BR-AFH(1Mbps) | - | - | - |
| 2431MHz_TnomVnom | Pass | 83.5M | 20.7M |
| BT-EDR(3Mbps) | - | - | - |
| 2440MHz_TnomVnom | Pass | 83.5M | 78.8M |
| BT-EDR-AFH(3Mbps) | - | - | - |
| 2451MHz_TnomVnom | Pass | 83.5M | 20.9M |

P1-OBW = Port 1 99% occupied bandwidth; P2-OBW = Port 2 99% occupied bandwidth; Pn-OBW = Port n 99% occupied bandwidth

BT-BR(1Mbps)

OBW-FS

2440MHz_TnomVnom

06/11/2021

CF
2.44GHz

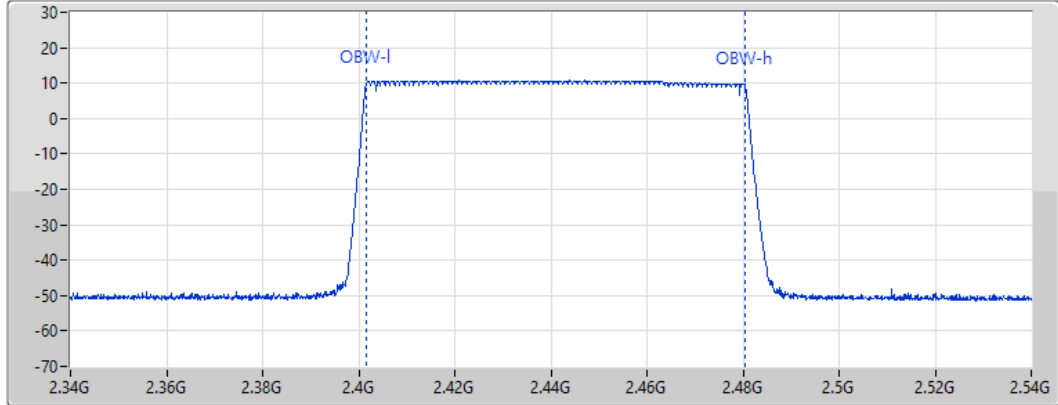
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
1.2s

Detector Type
Peak



| OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|-----------|------|
| 78.8M | 2.4016G | 2.4804G | 83.5M | 1 |

BT-BR-AFH(1Mbps)

OBW-FS

2431MHz_TnomVnom

06/11/2021

CF
2.431GHz

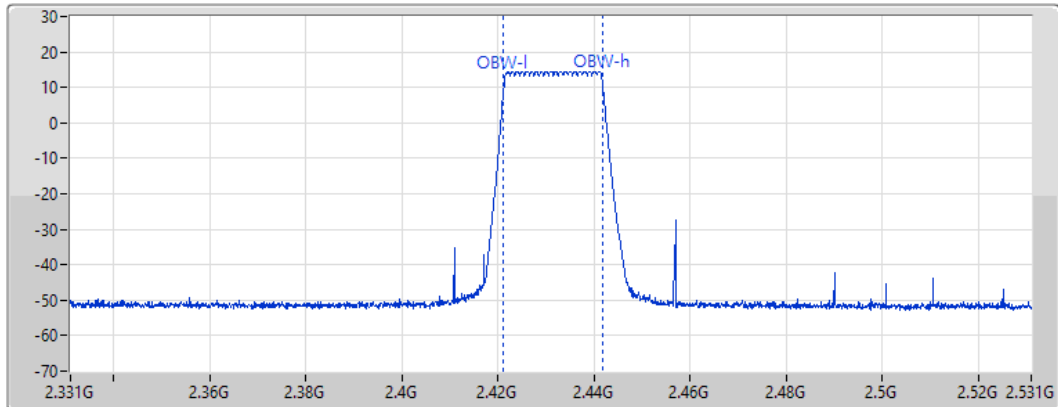
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
20ms

Detector Type
Peak



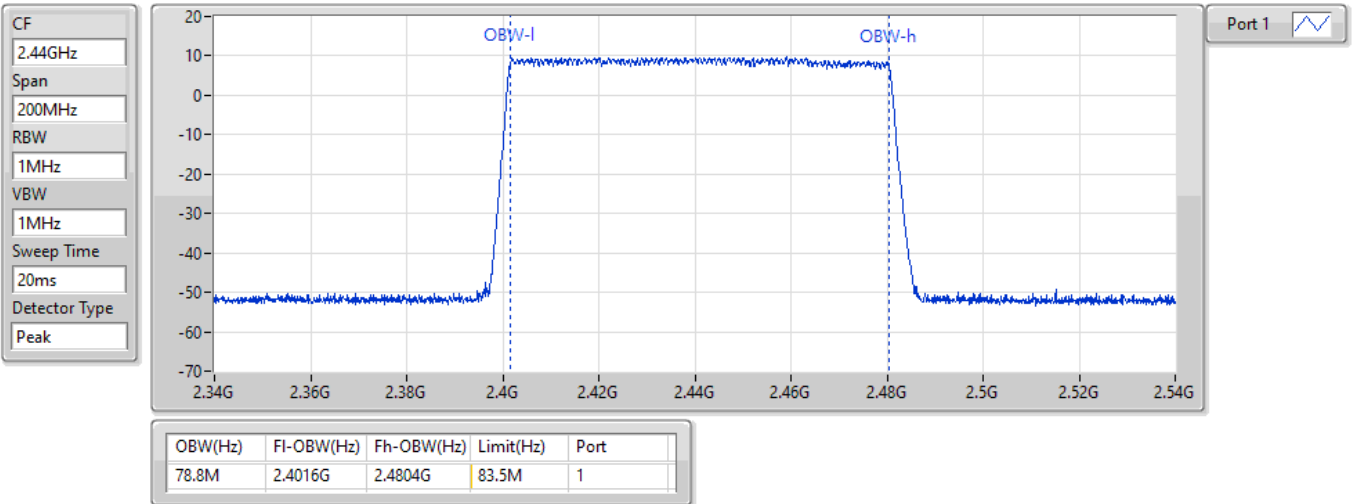
| OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|-----------|------|
| 20.7M | 2.4212G | 2.4419G | 83.5M | 1 |

BT-EDR(3Mbps)

OBW-FS

2440MHz_TnomVnom

06/11/2021

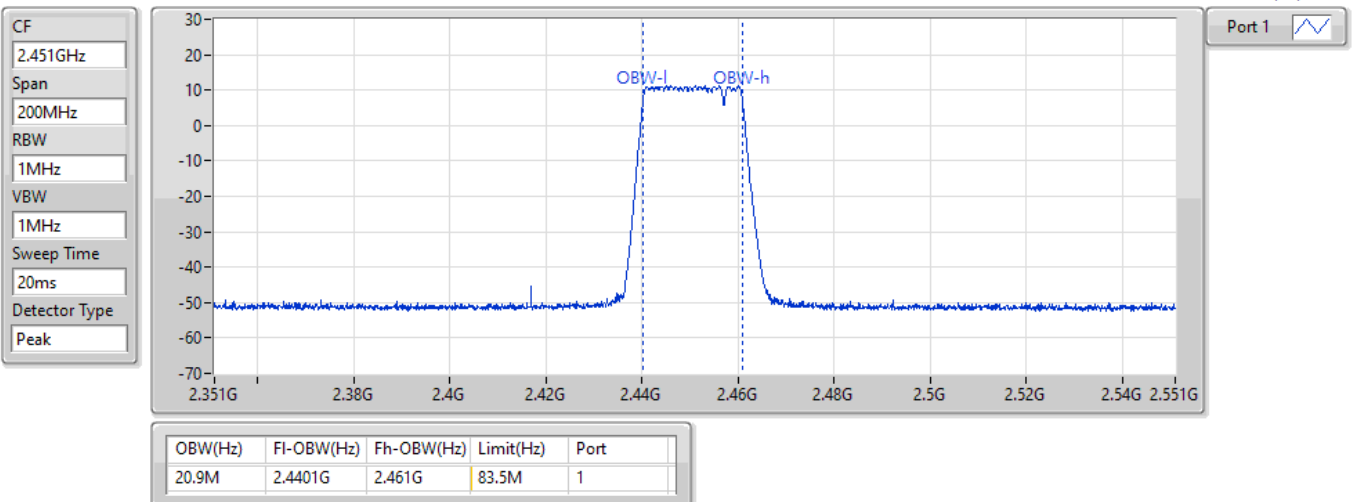


BT-EDR-AFH(3Mbps)

OBW-FS

2451MHz_TnomVnom

07/11/2021



Summary

| Mode | Max-SBW (Hz) | Min-SBW (Hz) | Max-SF | Min-SF |
|-------------------|-----------------|-----------------|--------|--------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | 71M | 71M | 71 | 71 |
| BT-BR-AFH(1Mbps) | 18.6M | 18.6M | 18.6 | 18.6 |
| BT-EDR(3Mbps) | 70.9M | 70.9M | 70.9 | 70.9 |
| BT-EDR-AFH(3Mbps) | 18.8M | 18.8M | 18.8 | 18.8 |

Max-SBW = Maximum spreading bandwidth; Min-SBW = Minimum spreading bandwidth;
Max-SF = Maximum spreading factor; Min-SF = Minimum spreading factor;

Result

| Mode | Result | SBW Limit (Hz) | Symbol Rate (Msps) | SF Limit | P1-SBW (Hz) | P1-SF |
|-------------------|--------|-------------------|-----------------------|----------|----------------|-------|
| BT-BR(1Mbps) | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | Inf | 1M | 5 | 71M | 71 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | Inf | 1M | 5 | 18.6M | 18.6 |
| BT-EDR(3Mbps) | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | Inf | 1M | 5 | 70.9M | 70.9 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | Inf | 1M | 5 | 18.8M | 18.8 |

P1-SBW = Port 1 spreading bandwidth; P2-SBW = Port 2 spreading bandwidth; Pn-SBW = Port n spreading bandwidth;
P1-SF = Port 1 spreading factor; P2-SF = Port 2 spreading factor; Pn-SF = Port n spreading factor;

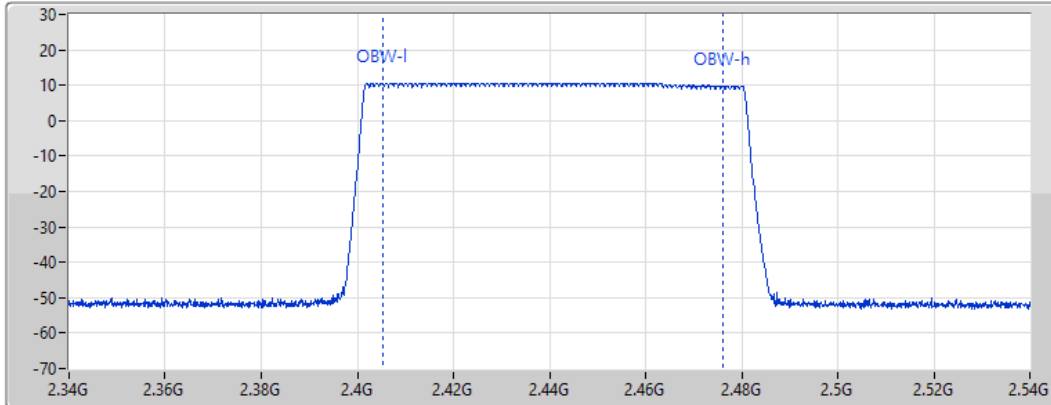
BT-BR(1Mbps)

SBW-FS

2440MHz_TnomVnom

06/11/2021

CF
2.44GHz
Span
200MHz
RBW
1MHz
VBW
1MHz
Sweep Time
20ms
Detector Type
Peak



Port 1

| SBW(Hz) | FI-SBW(Hz) | Fh-SBW(Hz) | SBW Limit(Hz) | Symbol Rate(Msps) | SF | SF Limit | Port |
|---------|------------|------------|---------------|-------------------|----|----------|------|
| 71M | 2.4052G | 2.4762G | Inf | 1M | 71 | 5 | 1 |

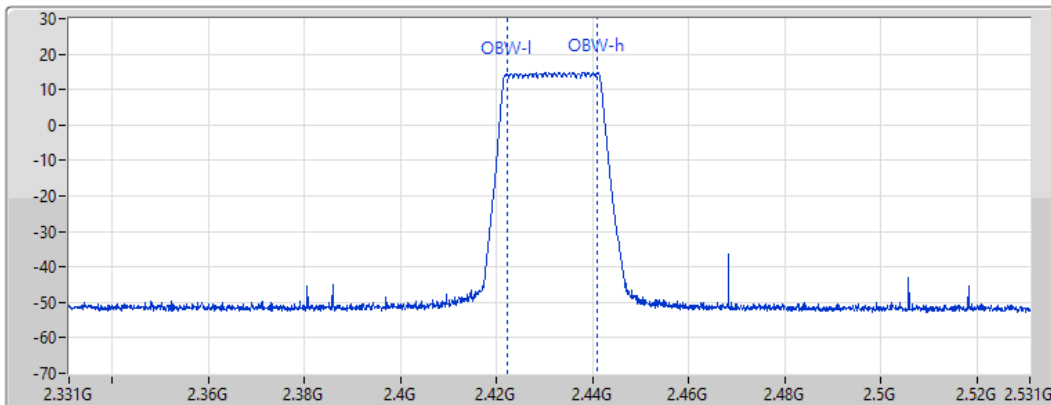
BT-BR-AFH(1Mbps)

SBW-FS

2431MHz_TnomVnom

06/11/2021

CF
2.431GHz
Span
200MHz
RBW
1MHz
VBW
1MHz
Sweep Time
20ms
Detector Type
Peak



Port 1

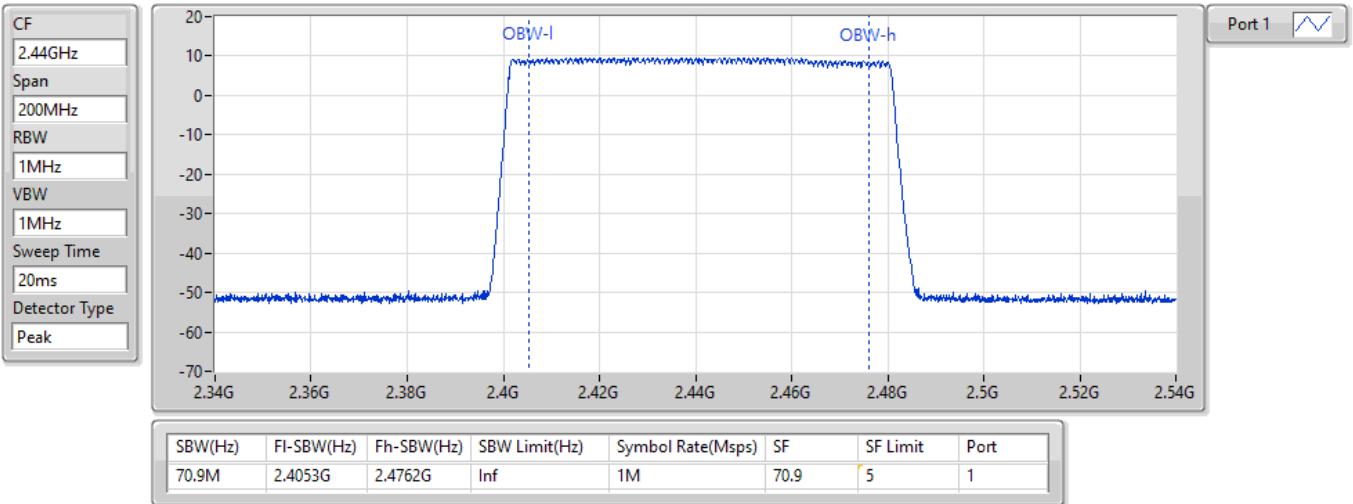
| SBW(Hz) | FI-SBW(Hz) | Fh-SBW(Hz) | SBW Limit(Hz) | Symbol Rate(Msps) | SF | SF Limit | Port |
|---------|------------|------------|---------------|-------------------|------|----------|------|
| 18.6M | 2.4223G | 2.4409G | Inf | 1M | 18.6 | 5 | 1 |

BT-EDR(3Mbps)

SBW-FS

2440MHz_TnomVnom

06/11/2021

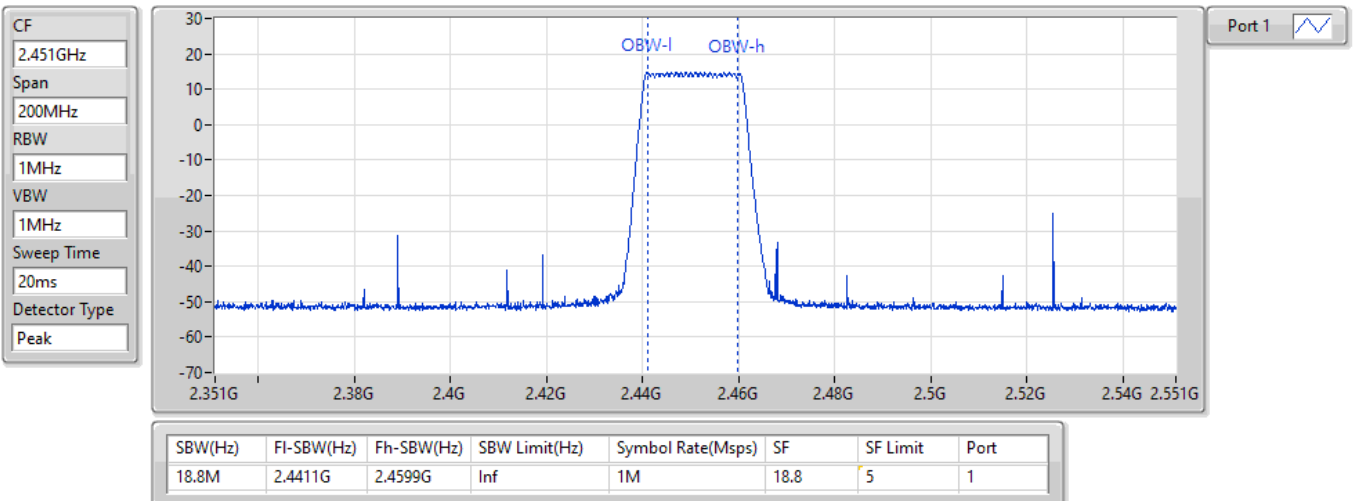


BT-EDR-AFH(3Mbps)

SBW-FS

2451MHz_TnomVnom

07/11/2021



Summary

| Mode | Max-SBW (Hz) | Min-SBW (Hz) | Max-SF | Min-SF |
|-------------------|-----------------|-----------------|--------|--------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | 71M | 71M | 71 | 71 |
| BT-BR-AFH(1Mbps) | 18.6M | 18.6M | 18.6 | 18.6 |
| BT-EDR(3Mbps) | 70.9M | 70.9M | 70.9 | 70.9 |
| BT-EDR-AFH(3Mbps) | 18.8M | 18.8M | 18.8 | 18.8 |

Max-SBW = Maximum spreading bandwidth; Min-SBW = Minimum spreading bandwidth;
Max-SF = Maximum spreading factor; Min-SF = Minimum spreading factor;

Result

| Mode | Result | SBW Limit (Hz) | Symbol Rate (Msps) | SF Limit | P1-SBW (Hz) | P1-SF |
|-------------------|--------|-------------------|-----------------------|----------|----------------|-------|
| BT-BR(1Mbps) | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | Inf | 1M | 5 | 71M | 71 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | Inf | 1M | 5 | 18.6M | 18.6 |
| BT-EDR(3Mbps) | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | Inf | 1M | 5 | 70.9M | 70.9 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | Inf | 1M | 5 | 18.8M | 18.8 |

P1-SBW = Port 1 spreading bandwidth; P2-SBW = Port 2 spreading bandwidth; Pn-SBW = Port n spreading bandwidth;
P1-SF = Port 1 spreading factor; P2-SF = Port 2 spreading factor; Pn-SF = Port n spreading factor;

BT-BR(1Mbps)

SBW-FS

2440MHz_TnomVnom

06/11/2021

CF
2.44GHz

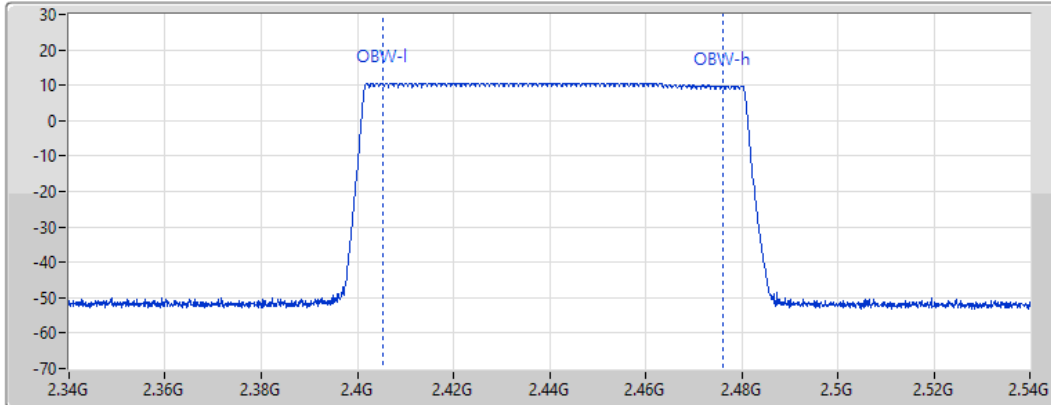
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
20ms

Detector Type
Peak



Port 1

| SBW(Hz) | FI-SBW(Hz) | Fh-SBW(Hz) | SBW Limit(Hz) | Symbol Rate(Msps) | SF | SF Limit | Port |
|---------|------------|------------|---------------|-------------------|----|----------|------|
| 71M | 2.4052G | 2.4762G | Inf | 1M | 71 | 5 | 1 |

BT-BR-AFH(1Mbps)

SBW-FS

2431MHz_TnomVnom

06/11/2021

CF
2.431GHz

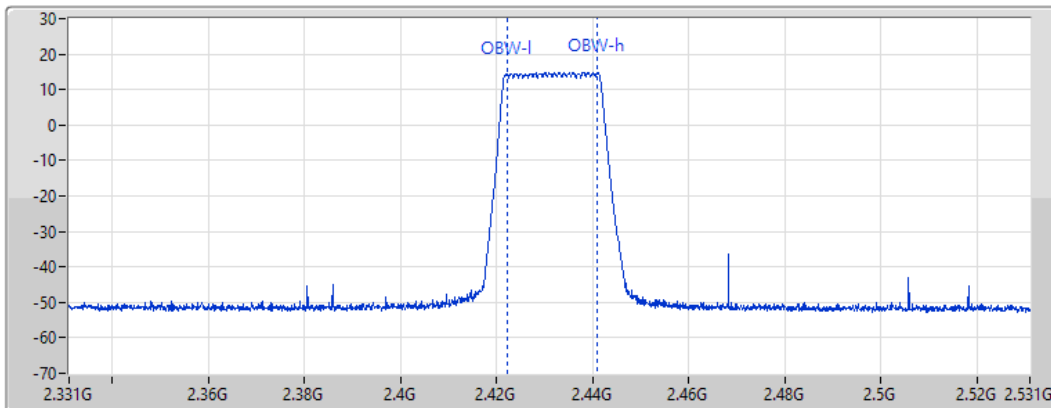
Span
200MHz

RBW
1MHz

VBW
1MHz

Sweep Time
20ms

Detector Type
Peak



Port 1

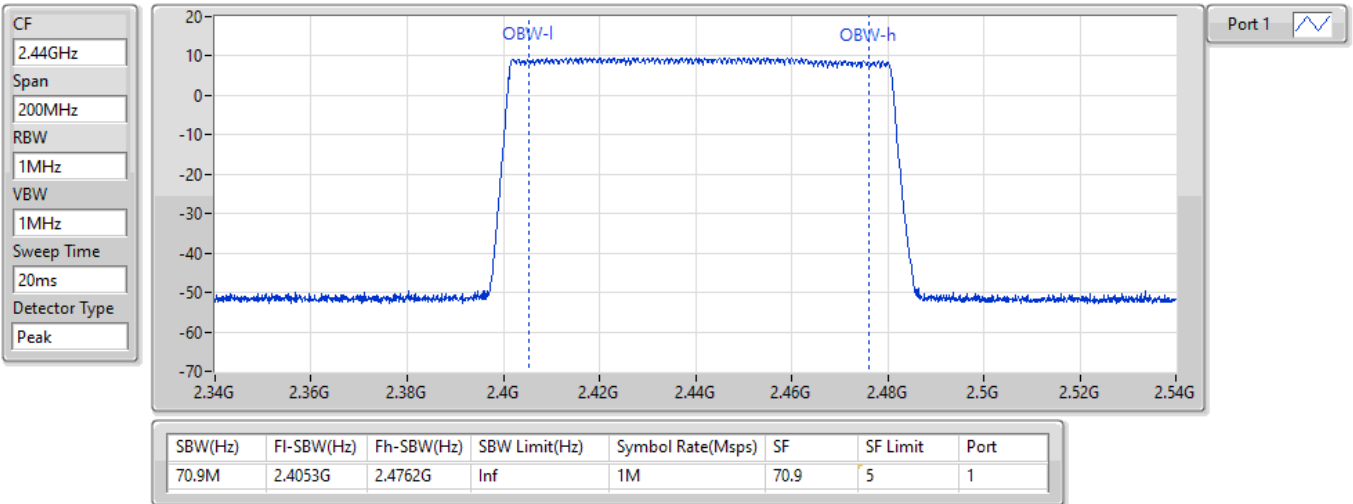
| SBW(Hz) | FI-SBW(Hz) | Fh-SBW(Hz) | SBW Limit(Hz) | Symbol Rate(Msps) | SF | SF Limit | Port |
|---------|------------|------------|---------------|-------------------|------|----------|------|
| 18.6M | 2.4223G | 2.4409G | Inf | 1M | 18.6 | 5 | 1 |

BT-EDR(3Mbps)

SBW-FS

2440MHz_TnomVnom

06/11/2021

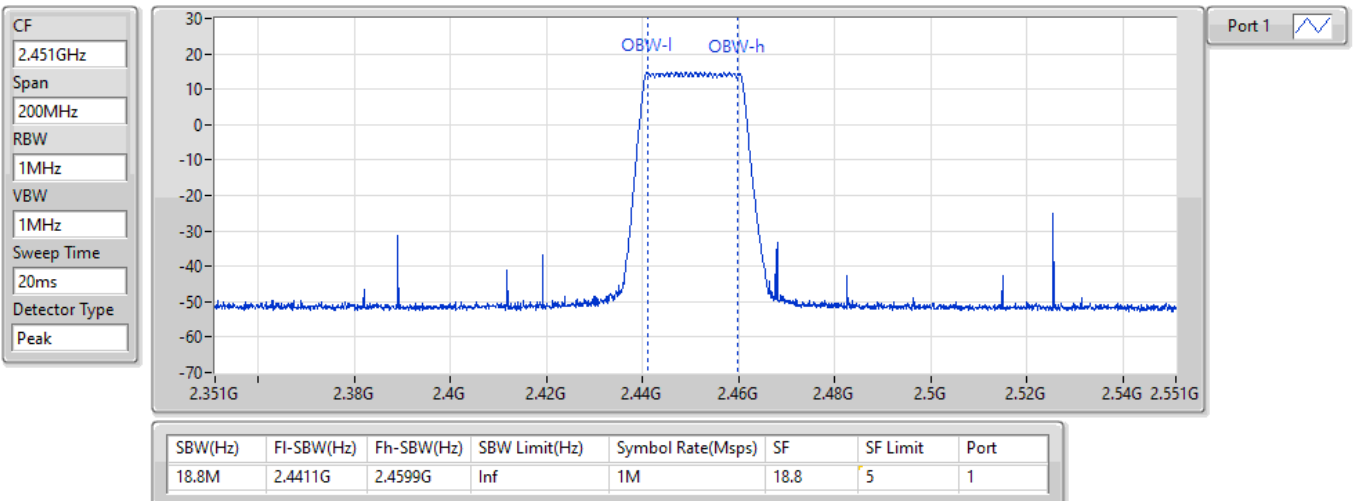


BT-EDR-AFH(3Mbps)

SBW-FS

2451MHz_TnomVnom

07/11/2021





Summary

| Mode | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | EIRP Antenna Power (dBm/MHz) | EIRP Antenna Power (mW/MHz) |
|-------------------|----------------------------|---------------------------|---------------------------------|--------------------------------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | -12.49 | 0.05636 | -8.99 | 0.12618 |
| BT-BR-AFH(1Mbps) | -6.76 | 0.21086 | -3.26 | 0.47206 |
| BT-EDR(3Mbps) | -12.62 | 0.05470 | -9.12 | 0.12246 |
| BT-EDR-AFH(3Mbps) | -6.85 | 0.20654 | -3.35 | 0.46238 |

Result

| Mode | Result | Gain (dBi) | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Antenna Power Lim. (mW/MHz) | EIRP Antenna Power (dBm/MHz) | EIRP Antenna Power (mW/MHz) | EIRP Antenna Power Lim. (mW/MHz) |
|-------------------|--------|------------|-------------------------|------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 3.50 | -12.49 | 0.05636 | 3 | -8.99 | 0.12618 | 4.91 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 3.50 | -6.76 | 0.21086 | 3 | -3.26 | 0.47206 | 4.91 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 3.50 | -12.62 | 0.05470 | 3 | -9.12 | 0.12246 | 4.91 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 3.50 | -6.85 | 0.20654 | 3 | -3.35 | 0.46238 | 4.91 |

P1 = Port 1 Antenna Power; P2 = Port 2 Antenna Power; Pn = Port n Antenna Power;
Antenna Power = Sum by P1-Pn;

Summary

| Mode | Result | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Declare (mW/MHz) | Tolerance (%) | Limit+ (%) | Limit- (%) |
|-------------------|--------|----------------------------|---------------------------|---------------------|------------------|---------------|---------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | -12.49 | 0.05636 | 0.05636 | 0.00 | 20 | -80 |
| BT-BR-AFH(1Mbps) | Pass | -6.76 | 0.21086 | 0.21086 | 0.00 | 20 | -80 |
| BT-EDR(3Mbps) | Pass | -12.62 | 0.05470 | 0.05636 | -2.95 | 20 | -80 |
| BT-EDR-AFH(3Mbps) | Pass | -6.85 | 0.20654 | 0.21086 | -2.05 | 20 | -80 |

Result

| Mode | Result | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Declare (mW/MHz) | Tolerance (%) | Limit+ (%) | Limit- (%) |
|-------------------|--------|----------------------------|---------------------------|---------------------|------------------|---------------|---------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | -12.49 | 0.05636 | 0.05636 | 0.00 | 20 | -80 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | -6.76 | 0.21086 | 0.21086 | 0.00 | 20 | -80 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | -12.62 | 0.05470 | 0.05636 | -2.95 | 20 | -80 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | -6.85 | 0.20654 | 0.21086 | -2.05 | 20 | -80 |



Summary

| Mode | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | EIRP Antenna Power (dBm/MHz) | EIRP Antenna Power (mW/MHz) |
|-------------------|----------------------------|---------------------------|---------------------------------|--------------------------------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | -4.77 | 0.33343 | -1.27 | 0.74645 |
| BT-BR-AFH(1Mbps) | 1.07 | 1.27938 | 4.57 | 2.86418 |
| BT-EDR(3Mbps) | -8.67 | 0.13583 | -5.17 | 0.30409 |
| BT-EDR-AFH(3Mbps) | -2.91 | 0.51168 | 0.59 | 1.14551 |

Result

| Mode | Result | Gain (dBi) | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Antenna Power Lim. (mW/MHz) | EIRP Antenna Power (dBm/MHz) | EIRP Antenna Power (mW/MHz) | EIRP Antenna Power Lim. (mW/MHz) |
|-------------------|--------|---------------|----------------------------|---------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 3.50 | -4.77 | 0.33343 | 3 | -1.27 | 0.74645 | 4.91 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 3.50 | 1.07 | 1.27938 | 3 | 4.57 | 2.86418 | 4.91 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 3.50 | -8.67 | 0.13583 | 3 | -5.17 | 0.30409 | 4.91 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 3.50 | -2.91 | 0.51168 | 3 | 0.59 | 1.14551 | 4.91 |

P1 = Port 1 Antenna Power; P2 = Port 2 Antenna Power; Pn = Port n Antenna Power;
Antenna Power = Sum by P1-Pn;

Summary

| Mode | Result | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Declare (mW/MHz) | Tolerance (%) | Limit+ (%) | Limit- (%) |
|-------------------|--------|----------------------------|---------------------------|---------------------|------------------|---------------|---------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | -4.77 | 0.33343 | 0.33343 | 0.00 | 20 | -80 |
| BT-BR-AFH(1Mbps) | Pass | 1.07 | 1.27938 | 1.27938 | 0.00 | 20 | -80 |
| BT-EDR(3Mbps) | Pass | -8.67 | 0.13583 | 0.33343 | -59.26 | 20 | -80 |
| BT-EDR-AFH(3Mbps) | Pass | -2.91 | 0.51168 | 1.27938 | -60.01 | 20 | -80 |

Result

| Mode | Result | Antenna Power (dBm/MHz) | Antenna Power (mW/MHz) | Declare (mW/MHz) | Tolerance (%) | Limit+ (%) | Limit- (%) |
|-------------------|--------|----------------------------|---------------------------|---------------------|------------------|---------------|---------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | -4.77 | 0.33343 | 0.33343 | 0.00 | 20 | -80 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 1.07 | 1.27938 | 1.27938 | 0.00 | 20 | -80 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | -8.67 | 0.13583 | 0.33343 | -59.26 | 20 | -80 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | -2.91 | 0.51168 | 1.27938 | -60.01 | 20 | -80 |



Summary

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm/MHz) | Psum (uW/MHz) | Limit (dBm/MHz) | Limit (uW/MHz) |
|-------------------|--------|-----------------|----------------|-------------|--------------|-------------------|------------------|--------------------|-------------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.92 | 1.28233 | -16.02 | 25 |
| BT-BR-AFH(1Mbps) | Pass | 30M | 2.387G | 1M | 683.77M | -51.58 | 0.00695 | -26.02 | 2.5 |
| BT-EDR(3Mbps) | Pass | 2.387G | 2.4G | 1M | 2.4G | -20.53 | 8.85116 | -16.02 | 25 |
| BT-EDR-AFH(3Mbps) | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.26 | 0.00594 | -26.02 | 2.5 |

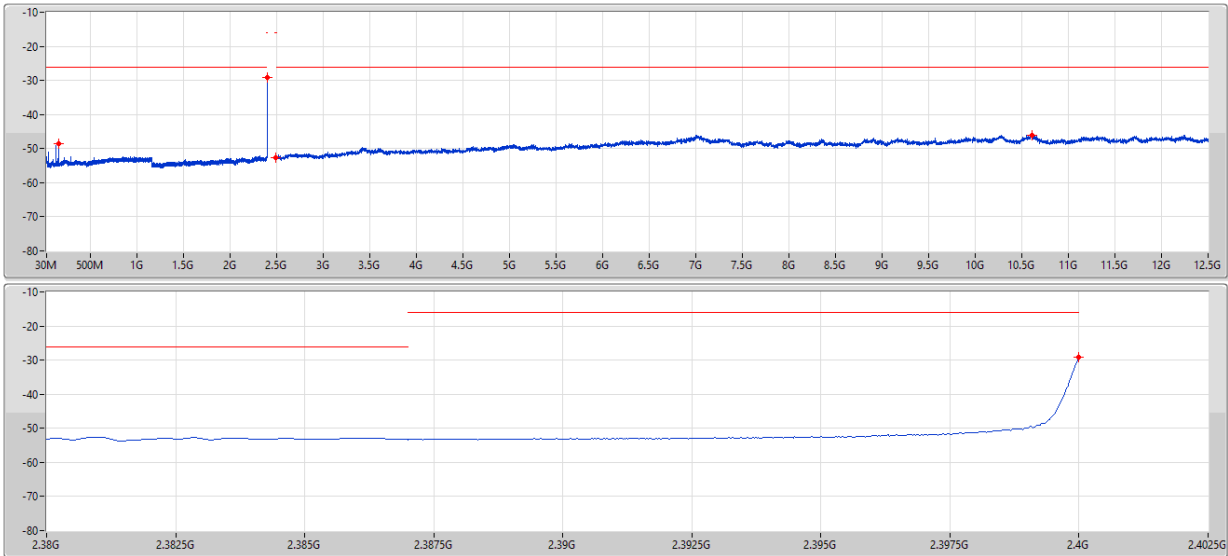
Result

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm/MHz) | Psum (uW/MHz) | Limit (dBm/MHz) | Limit (uW/MHz) |
|-------------------|--------|-----------------|----------------|-------------|--------------|-------------------|------------------|--------------------|-------------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 159.93M | -48.45 | 0.01429 | -26.02 | 2.5 |
| 2402MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.4G | -29.19 | 1.20504 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49023G | -52.72 | 0.00535 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 10.60684G | -46.01 | 0.02506 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 701.75M | -52.48 | 0.00565 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39979G | -60.17 | 0.00096 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48433G | -60.30 | 0.00093 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -53.06 | 0.00494 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 741.81M | -53.42 | 0.00455 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39995G | -59.96 | 0.00101 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.92 | 1.28233 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14048G | -52.73 | 0.00533 | -26.02 | 2.5 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 683.77M | -51.58 | 0.00695 | -26.02 | 2.5 |
| 2422MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39992G | -59.74 | 0.00106 | -16.02 | 25 |
| 2422MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49213G | -60.41 | 0.00091 | -16.02 | 25 |
| 2422MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14923G | -52.81 | 0.00524 | -26.02 | 2.5 |
| 2431MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 692.91M | -51.99 | 0.00632 | -26.02 | 2.5 |
| 2431MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39901G | -60.02 | 0.001 | -16.02 | 25 |
| 2431MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48368G | -60.31 | 0.00093 | -16.02 | 25 |
| 2431MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.75 | 0.00531 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 702.63M | -52.45 | 0.00569 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39818G | -60.19 | 0.00096 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49023G | -60.23 | 0.00095 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.91 | 0.00512 | -26.02 | 2.5 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 159.93M | -48.26 | 0.01493 | -26.02 | 2.5 |
| 2402MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.4G | -20.53 | 8.85116 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48847G | -52.68 | 0.0054 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 10.61434G | -46.07 | 0.02472 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 2.29272G | -59.36 | 0.00116 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39802G | -60.74 | 0.00084 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49109G | -60.73 | 0.00085 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.12797G | -52.45 | 0.00569 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 741.81M | -55.38 | 0.0029 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39995G | -60.00 | 0.001 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.44 | 1.43219 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.53 | 0.00558 | -26.02 | 2.5 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 702.63M | -53.53 | 0.00444 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39761G | -60.18 | 0.00096 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48376G | -60.15 | 0.00097 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.37 | 0.00579 | -26.02 | 2.5 |
| 2451MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 712.94M | -54.15 | 0.00385 | -26.02 | 2.5 |
| 2451MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39475G | -60.20 | 0.00095 | -16.02 | 25 |
| 2451MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48454G | -59.98 | 0.001 | -16.02 | 25 |
| 2451MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.26 | 0.00594 | -26.02 | 2.5 |
| 2460MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 721.78M | -52.29 | 0.0059 | -26.02 | 2.5 |
| 2460MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.3987G | -60.31 | 0.00093 | -16.02 | 25 |
| 2460MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48355G | -59.70 | 0.00107 | -16.02 | 25 |
| 2460MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14548G | -52.78 | 0.00527 | -26.02 | 2.5 |

BT-BR(1Mbps)

CSE-TX-FS

2402MHz_TnomVnom



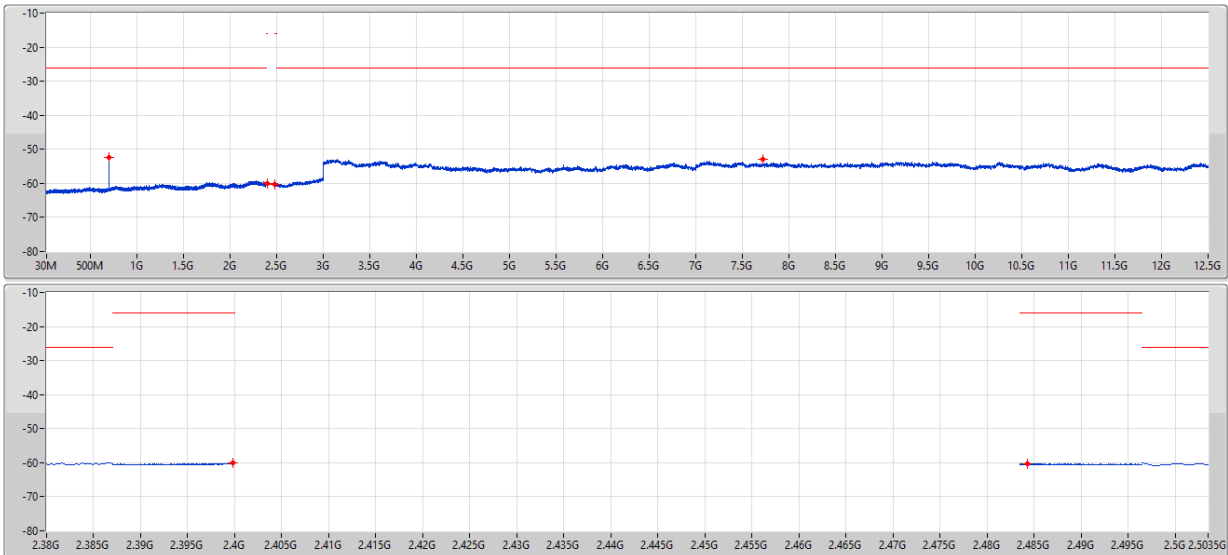
11/11/2021
Limit
Port 1

| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|-----------|-----------|------------|------------|---------|
| 30M | 2.387G | 159.93M | -48.45 | -26.02 | -22.43 | -48.45 |
| 2.387G | 2.4G | 2.4G | -29.19 | -16.02 | -13.17 | -29.19 |
| 2.4835G | 2.4965G | 2.49023G | -52.72 | -16.02 | -36.70 | -52.72 |
| 2.4965G | 12.5G | 10.60684G | -46.01 | -26.02 | -19.99 | -46.01 |

BT-BR(1Mbps)

CSE-TX-FS

2440MHz_TnomVnom



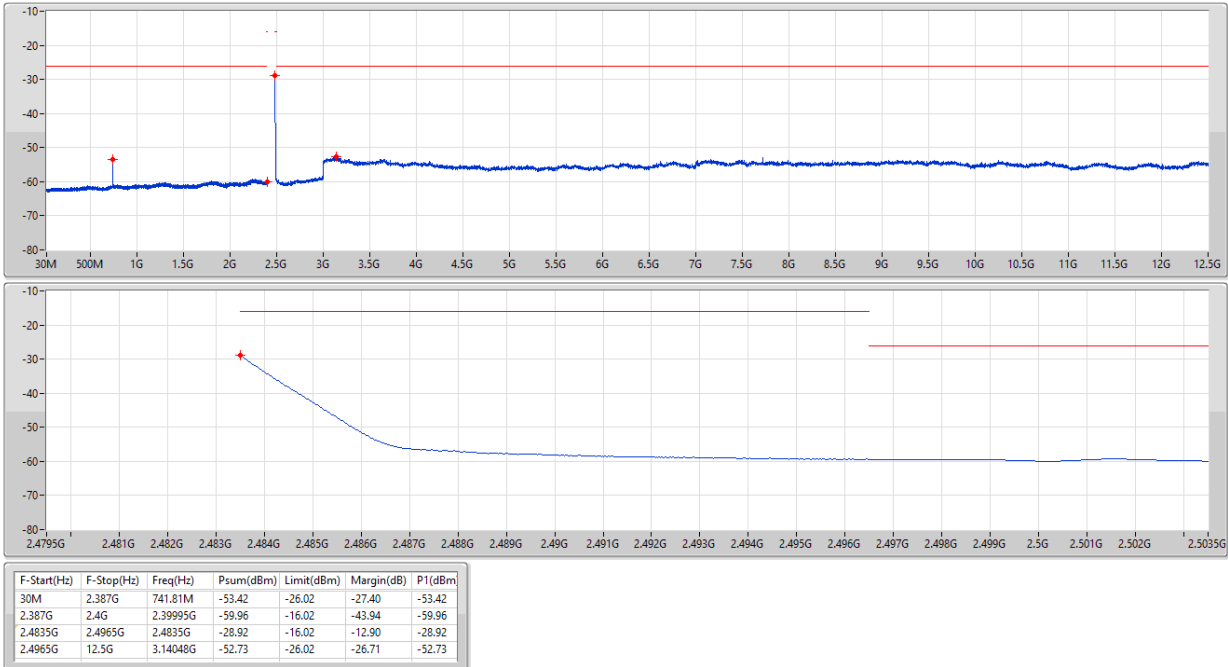
06/11/2021
Limit
Port 1

| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 701.75M | -52.48 | -26.02 | -26.46 | -52.48 |
| 2.387G | 2.4G | 2.39979G | -60.17 | -16.02 | -44.15 | -60.17 |
| 2.4835G | 2.4965G | 2.48433G | -60.30 | -16.02 | -44.28 | -60.30 |
| 2.4965G | 12.5G | 7.71833G | -53.06 | -26.02 | -27.04 | -53.06 |

BT-BR(1Mbps)

CSE-TX-FS

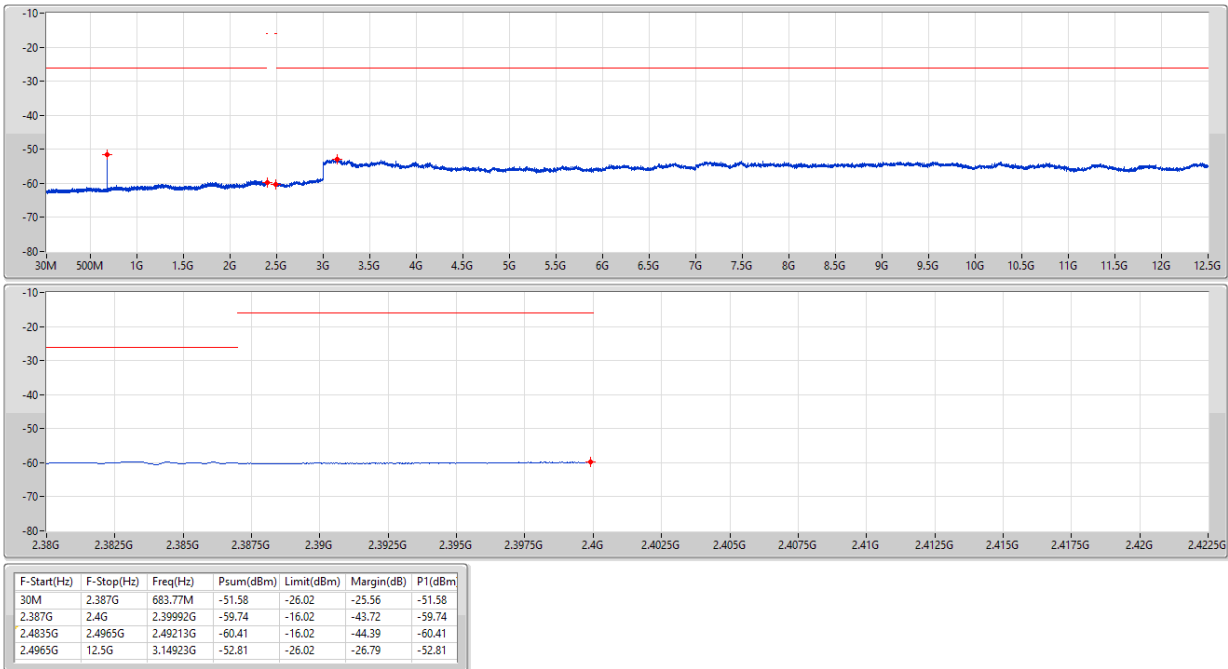
2480MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

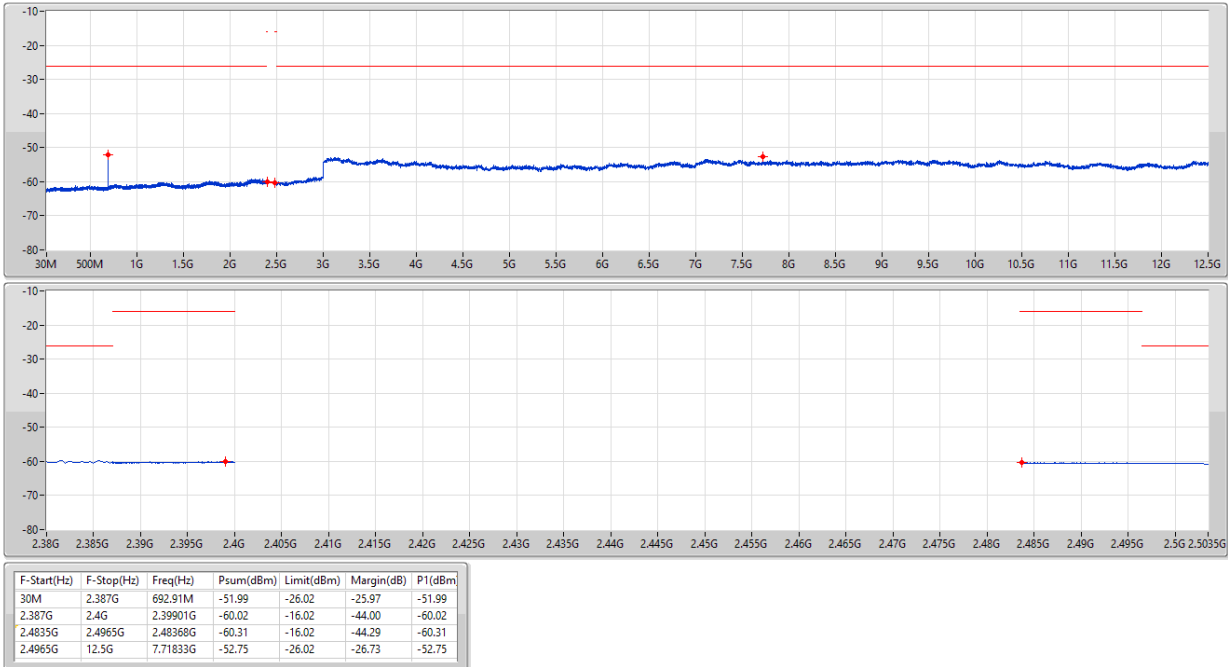
2422MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

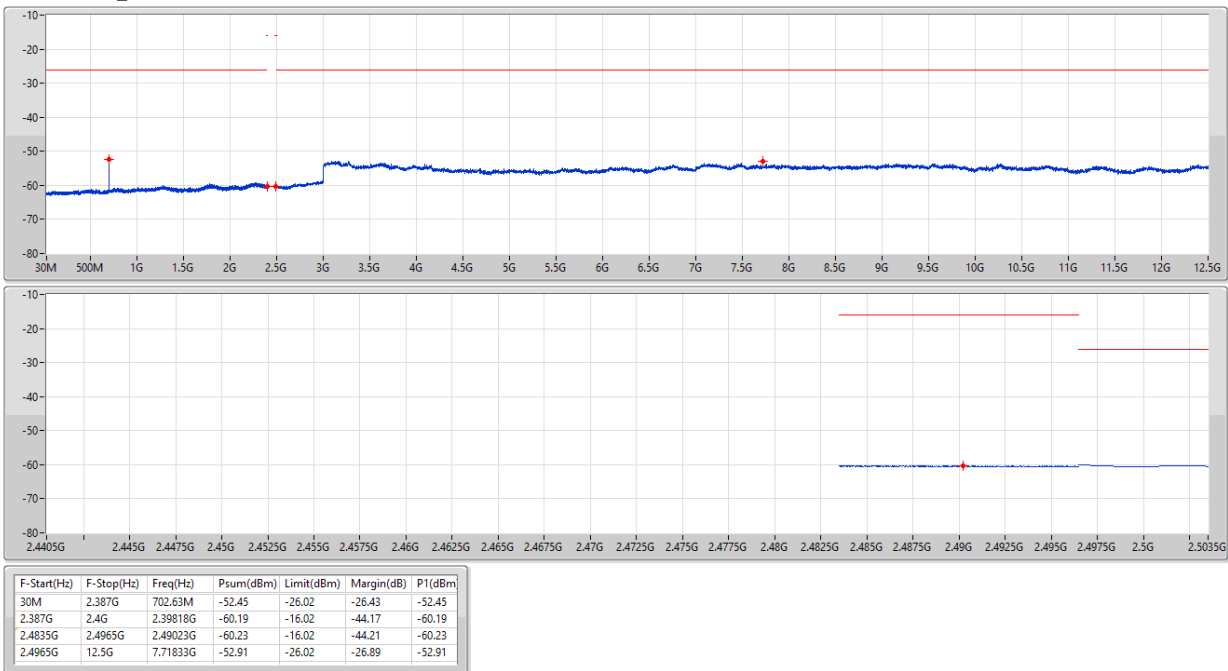
2431MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

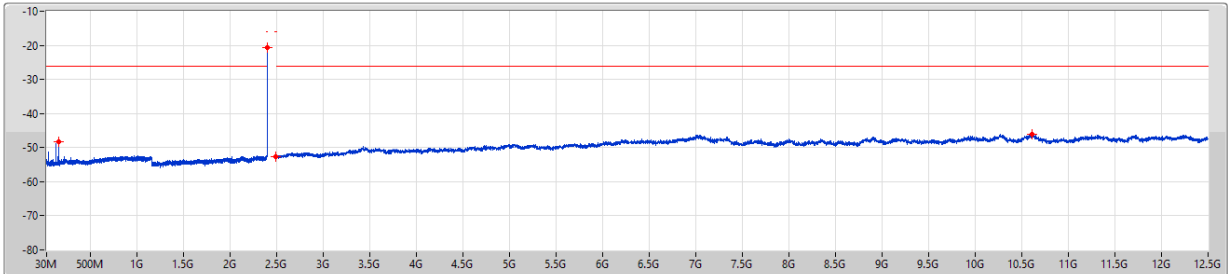
2441MHz_TnomVnom



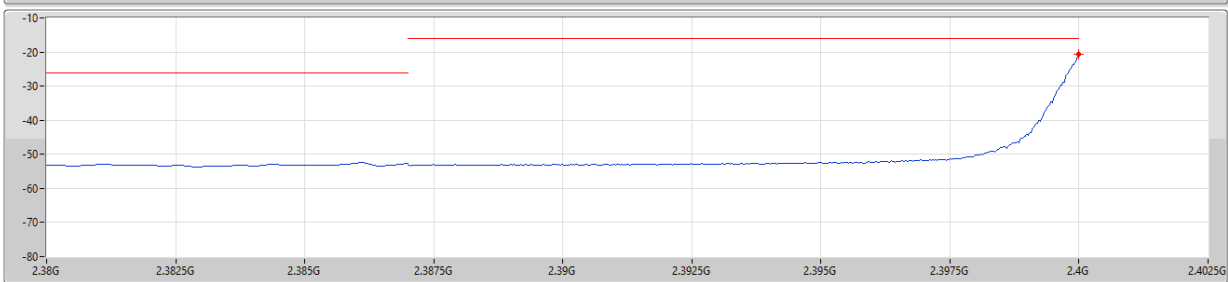
BT-EDR(3Mbps)

CSE-TX-FS

2402MHz_TnomVnom



11/11/2021
Limit
Port 1

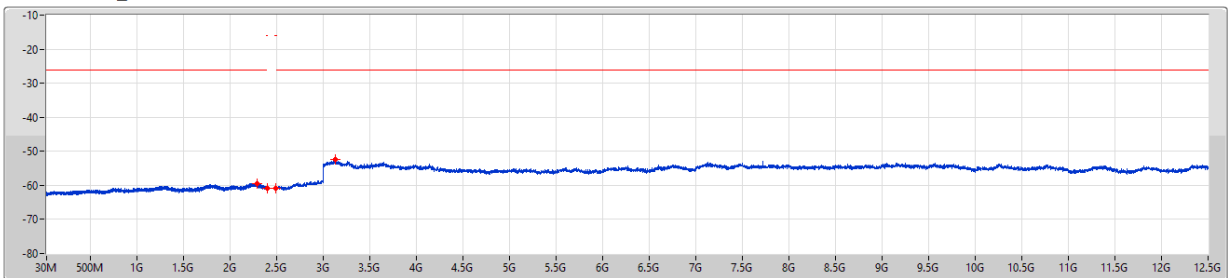


| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|-----------|-----------|------------|------------|---------|
| 30M | 2.387G | 159.93M | -48.26 | -26.02 | -22.24 | -48.26 |
| 2.387G | 2.4G | 2.4G | -20.53 | -16.02 | -4.51 | -20.53 |
| 2.4835G | 2.4965G | 2.48847G | -52.68 | -16.02 | -36.66 | -52.68 |
| 2.4965G | 12.5G | 10.61434G | -46.07 | -26.02 | -20.05 | -46.07 |

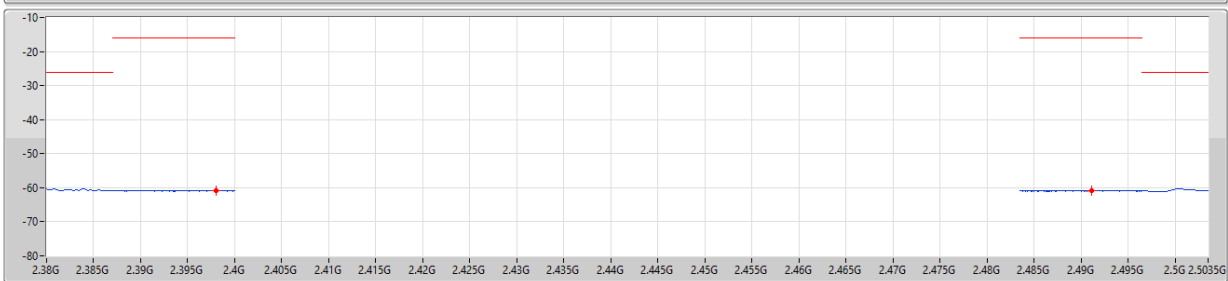
BT-EDR(3Mbps)

CSE-TX-FS

2440MHz_TnomVnom



07/11/2021
Limit
Port 1

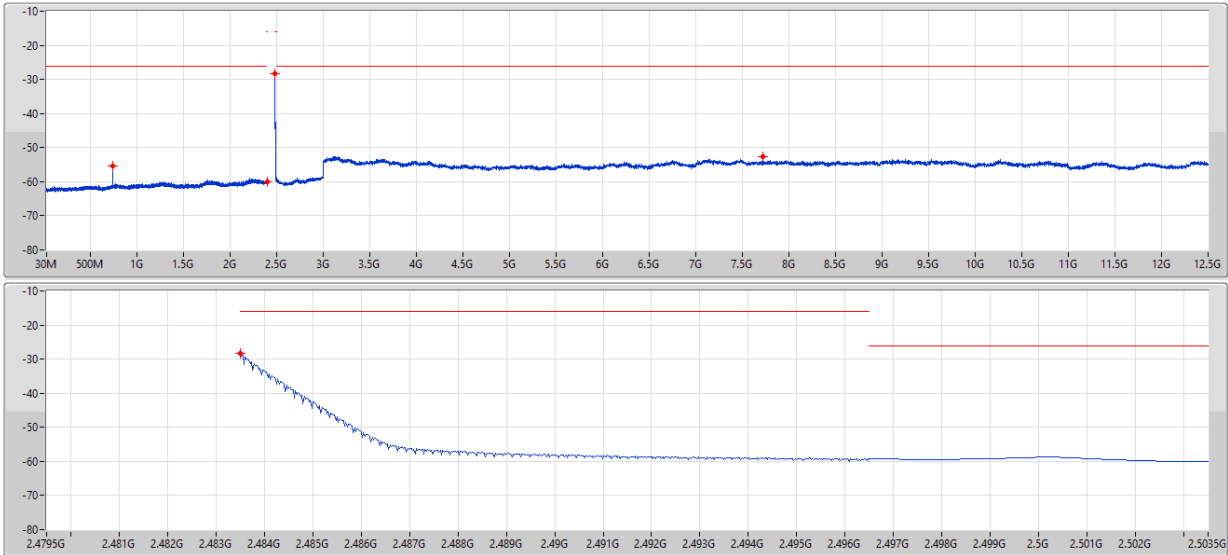


| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 2.29272G | -59.36 | -26.02 | -33.34 | -59.36 |
| 2.387G | 2.4G | 2.39802G | -60.74 | -16.02 | -44.72 | -60.74 |
| 2.4835G | 2.4965G | 2.49109G | -60.73 | -16.02 | -44.71 | -60.73 |
| 2.4965G | 12.5G | 3.12797G | -52.45 | -26.02 | -26.43 | -52.45 |

BT-EDR(3Mbps)

CSE-TX-FS

2480MHz_TnomVnom



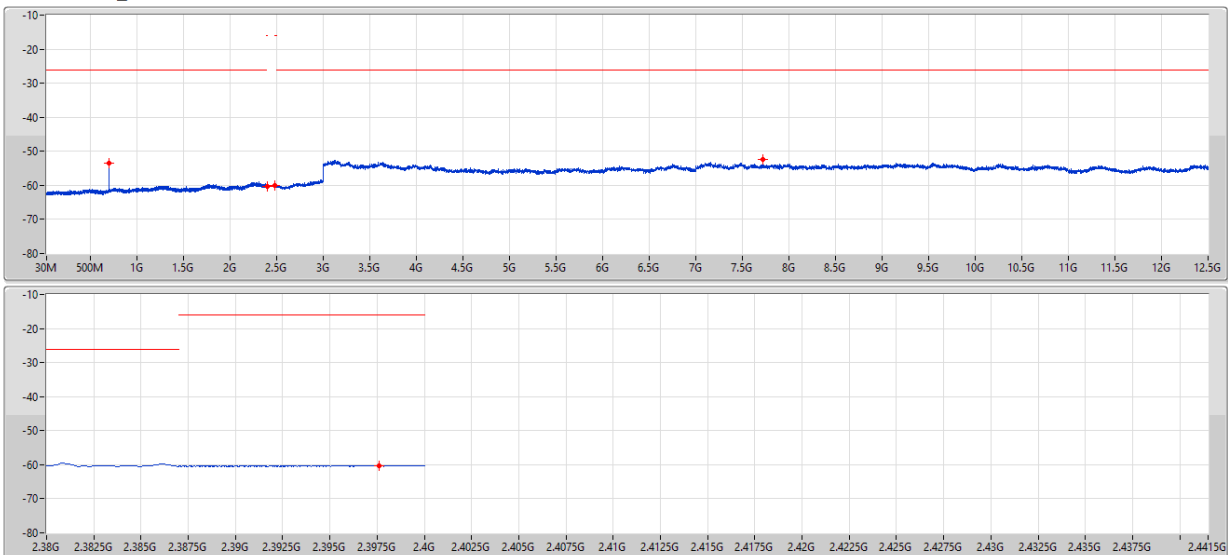
07/11/2021
Limit
Port 1

| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 741.81M | -55.38 | -26.02 | -29.36 | -55.38 |
| 2.387G | 2.4G | 2.39995G | -60.00 | -16.02 | -43.98 | -60.00 |
| 2.4835G | 2.4965G | 2.4835G | -28.44 | -16.02 | -12.42 | -28.44 |
| 2.4965G | 12.5G | 7.71833G | -52.53 | -26.02 | -26.51 | -52.53 |

BT-EDR-AFH(3Mbps)

CSE-TX-FS

2441MHz_TnomVnom



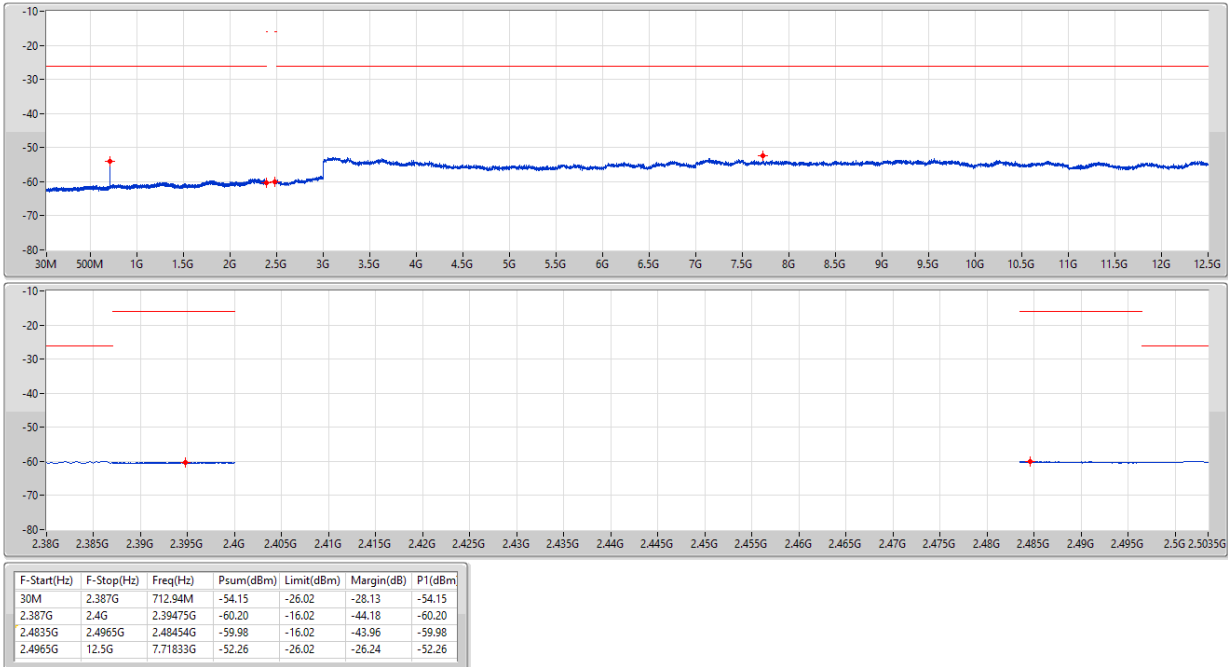
07/11/2021
Limit
Port 1

| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 702.63M | -53.53 | -26.02 | -27.51 | -53.53 |
| 2.387G | 2.4G | 2.39761G | -60.18 | -16.02 | -44.16 | -60.18 |
| 2.4835G | 2.4965G | 2.48376G | -60.15 | -16.02 | -44.13 | -60.15 |
| 2.4965G | 12.5G | 7.71833G | -52.37 | -26.02 | -26.35 | -52.37 |

BT-EDR-AFH(3Mbps)

CSE-TX-FS

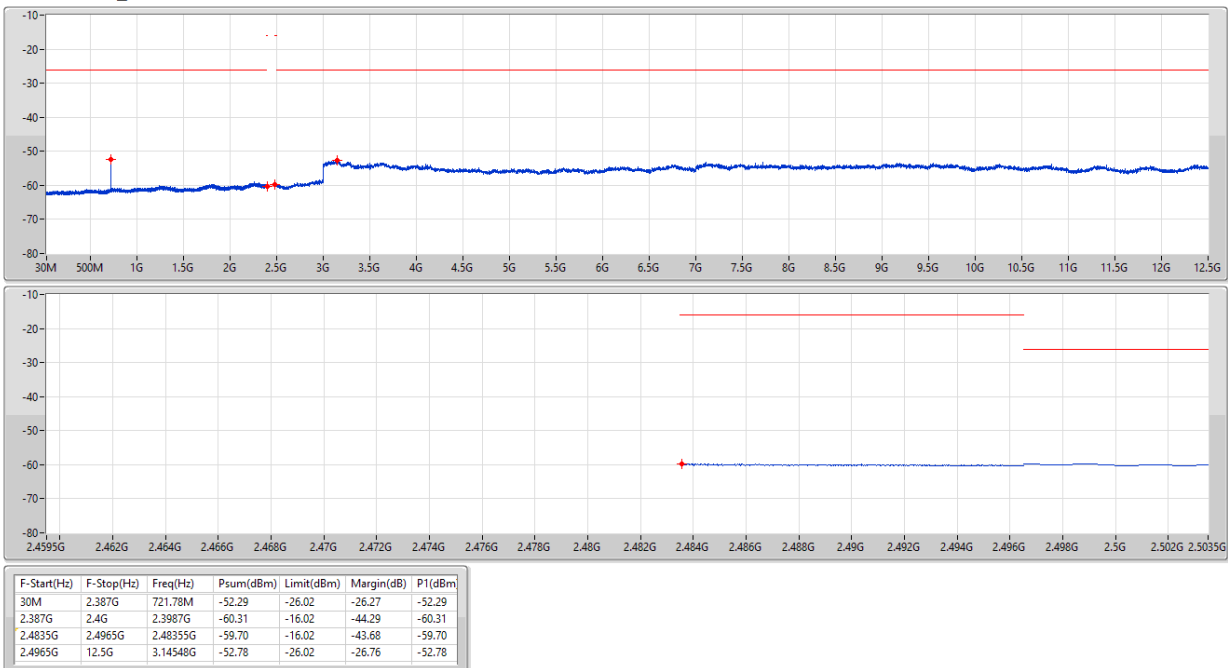
2451MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-TX-FS

2460MHz_TnomVnom



**Summary**

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm/MHz) | Psum (uW/MHz) | Limit (dBm/MHz) | Limit (uW/MHz) |
|-------------------|--------|-----------------|----------------|-------------|--------------|-------------------|------------------|--------------------|-------------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.92 | 1.28233 | -16.02 | 25 |
| BT-BR-AFH(1Mbps) | Pass | 30M | 2.387G | 1M | 683.77M | -51.58 | 0.00695 | -26.02 | 2.5 |
| BT-EDR(3Mbps) | Pass | 2.387G | 2.4G | 1M | 2.4G | -20.53 | 8.85116 | -16.02 | 25 |
| BT-EDR-AFH(3Mbps) | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.26 | 0.00594 | -26.02 | 2.5 |

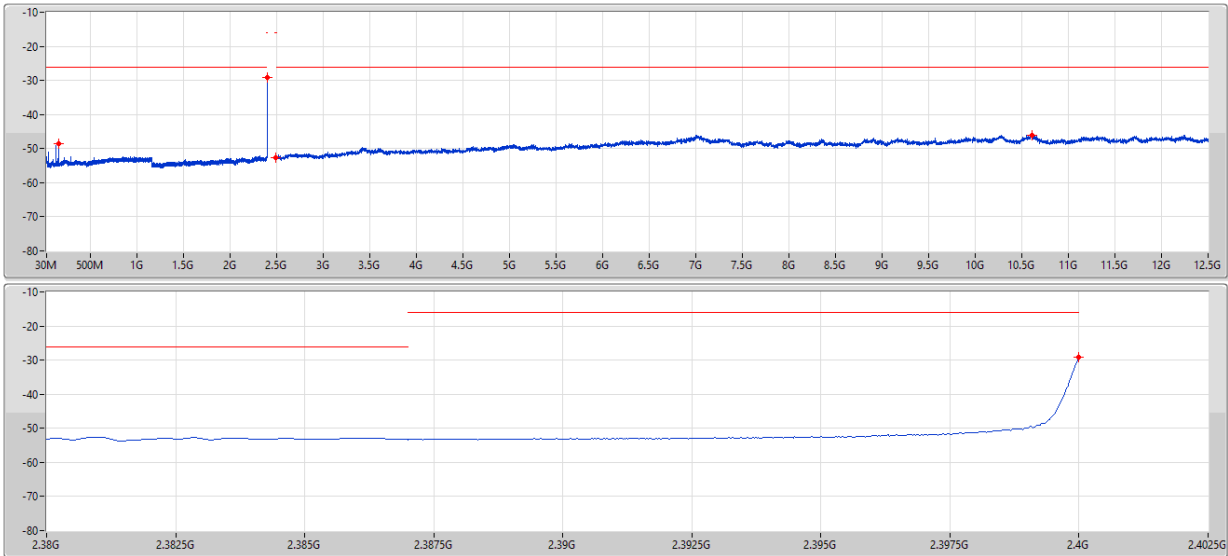
**Result**

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm/MHz) | Psum (uW/MHz) | Limit (dBm/MHz) | Limit (uW/MHz) |
|-------------------|--------|-----------------|----------------|-------------|--------------|-------------------|------------------|--------------------|-------------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 159.93M | -48.45 | 0.01429 | -26.02 | 2.5 |
| 2402MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.4G | -29.19 | 1.20504 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49023G | -52.72 | 0.00535 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 10.60684G | -46.01 | 0.02506 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 701.75M | -52.48 | 0.00565 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39979G | -60.17 | 0.00096 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48433G | -60.30 | 0.00093 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -53.06 | 0.00494 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 741.81M | -53.42 | 0.00455 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39995G | -59.96 | 0.00101 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.92 | 1.28233 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14048G | -52.73 | 0.00533 | -26.02 | 2.5 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 683.77M | -51.58 | 0.00695 | -26.02 | 2.5 |
| 2422MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39992G | -59.74 | 0.00106 | -16.02 | 25 |
| 2422MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49213G | -60.41 | 0.00091 | -16.02 | 25 |
| 2422MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14923G | -52.81 | 0.00524 | -26.02 | 2.5 |
| 2431MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 692.91M | -51.99 | 0.00632 | -26.02 | 2.5 |
| 2431MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39901G | -60.02 | 0.001 | -16.02 | 25 |
| 2431MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48368G | -60.31 | 0.00093 | -16.02 | 25 |
| 2431MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.75 | 0.00531 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 702.63M | -52.45 | 0.00569 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39818G | -60.19 | 0.00096 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49023G | -60.23 | 0.00095 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.91 | 0.00512 | -26.02 | 2.5 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 159.93M | -48.26 | 0.01493 | -26.02 | 2.5 |
| 2402MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.4G | -20.53 | 8.85116 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48847G | -52.68 | 0.0054 | -16.02 | 25 |
| 2402MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 10.61434G | -46.07 | 0.02472 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 2.29272G | -59.36 | 0.00116 | -26.02 | 2.5 |
| 2440MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39802G | -60.74 | 0.00084 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.49109G | -60.73 | 0.00085 | -16.02 | 25 |
| 2440MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.12797G | -52.45 | 0.00569 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 741.81M | -55.38 | 0.0029 | -26.02 | 2.5 |
| 2480MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39995G | -60.00 | 0.001 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.4835G | -28.44 | 1.43219 | -16.02 | 25 |
| 2480MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.53 | 0.00558 | -26.02 | 2.5 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 702.63M | -53.53 | 0.00444 | -26.02 | 2.5 |
| 2441MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39761G | -60.18 | 0.00096 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48376G | -60.15 | 0.00097 | -16.02 | 25 |
| 2441MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.37 | 0.00579 | -26.02 | 2.5 |
| 2451MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 712.94M | -54.15 | 0.00385 | -26.02 | 2.5 |
| 2451MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.39475G | -60.20 | 0.00095 | -16.02 | 25 |
| 2451MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48454G | -59.98 | 0.001 | -16.02 | 25 |
| 2451MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 7.71833G | -52.26 | 0.00594 | -26.02 | 2.5 |
| 2460MHz_TnomVnom | Pass | 30M | 2.387G | 1M | 721.78M | -52.29 | 0.0059 | -26.02 | 2.5 |
| 2460MHz_TnomVnom | Pass | 2.387G | 2.4G | 1M | 2.3987G | -60.31 | 0.00093 | -16.02 | 25 |
| 2460MHz_TnomVnom | Pass | 2.4835G | 2.4965G | 1M | 2.48355G | -59.70 | 0.00107 | -16.02 | 25 |
| 2460MHz_TnomVnom | Pass | 2.4965G | 12.5G | 1M | 3.14548G | -52.78 | 0.00527 | -26.02 | 2.5 |

BT-BR(1Mbps)

CSE-TX-FS

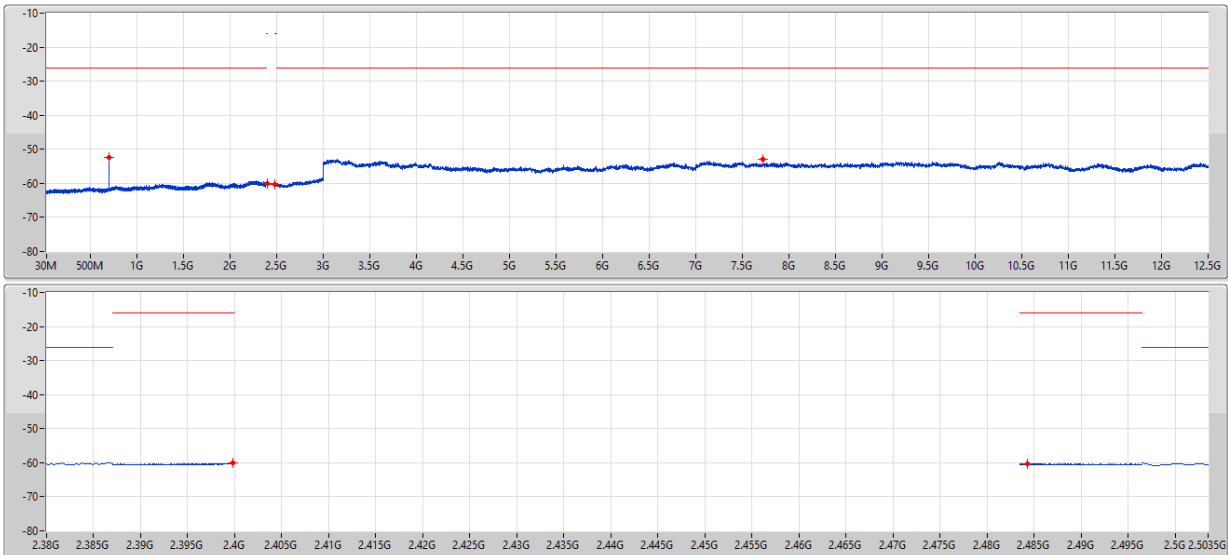
2402MHz_TnomVnom



BT-BR(1Mbps)

CSE-TX-FS

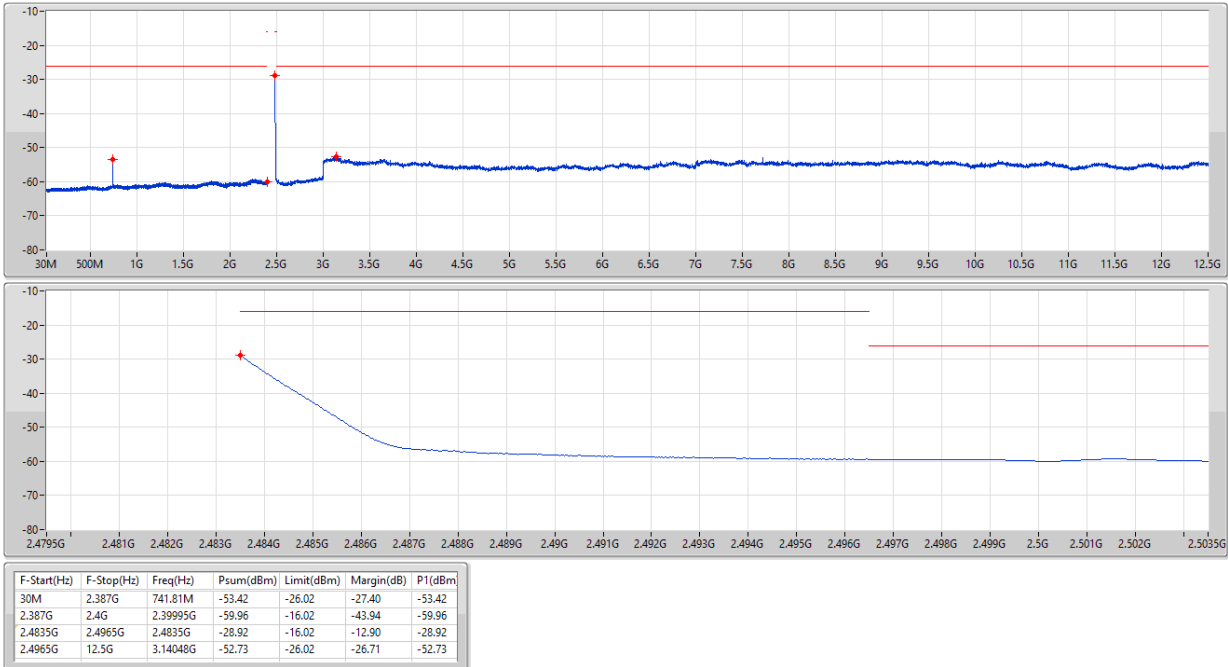
2440MHz_TnomVnom



BT-BR(1Mbps)

CSE-TX-FS

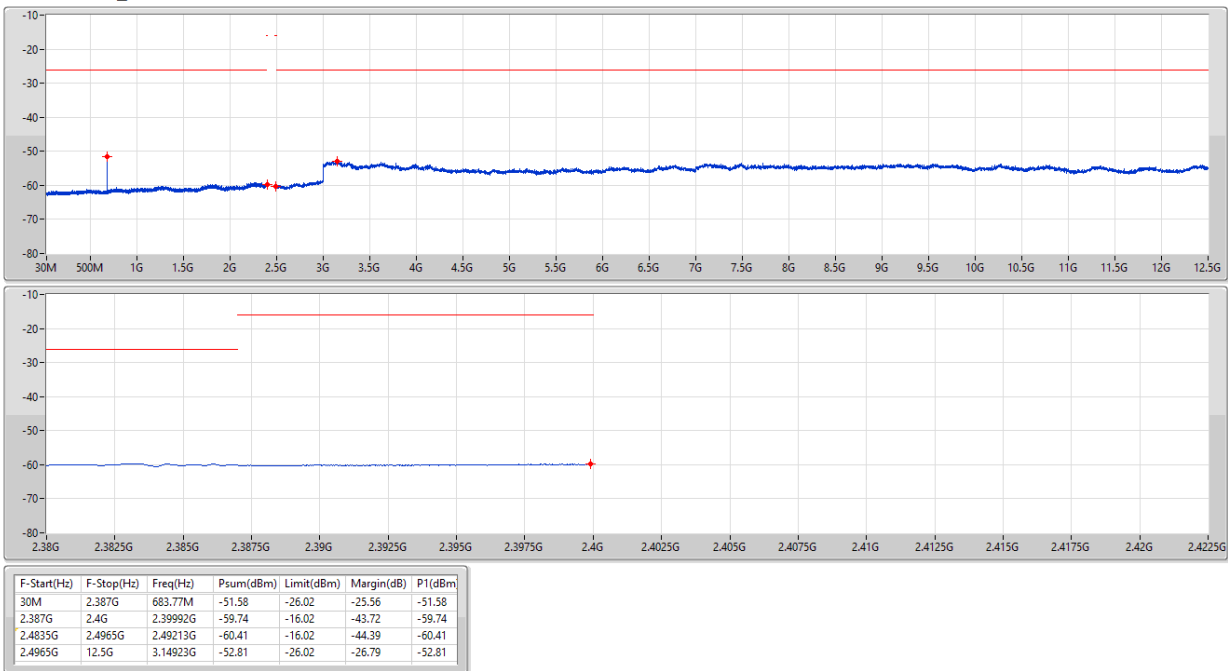
2480MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

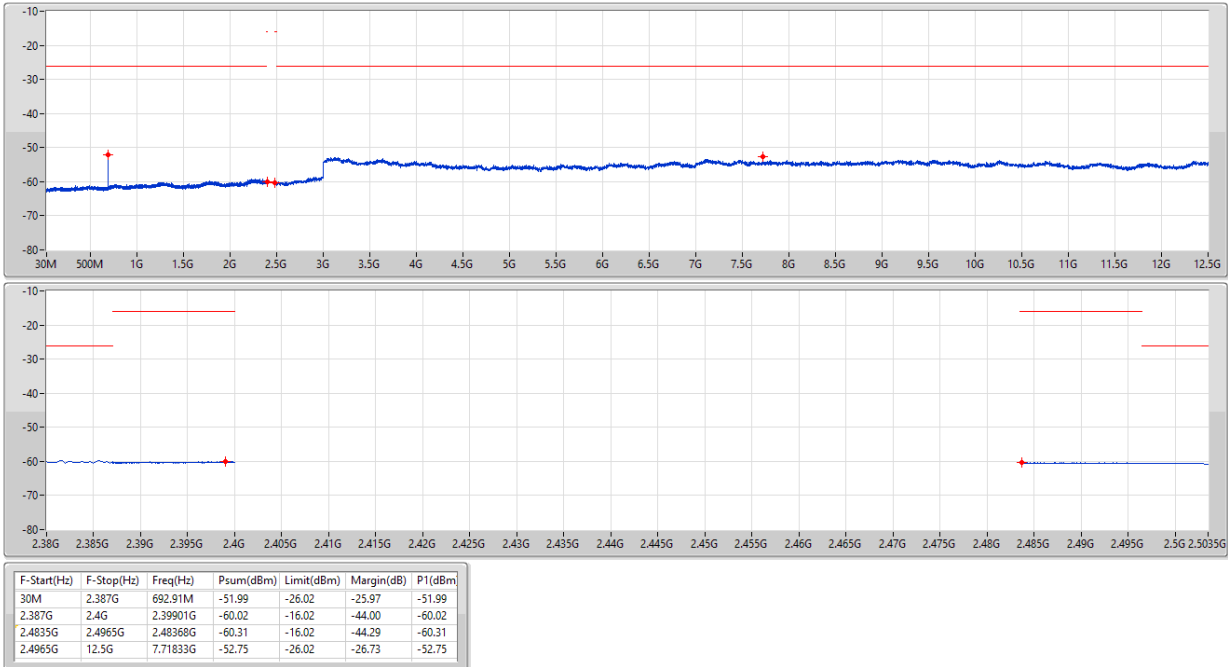
2422MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

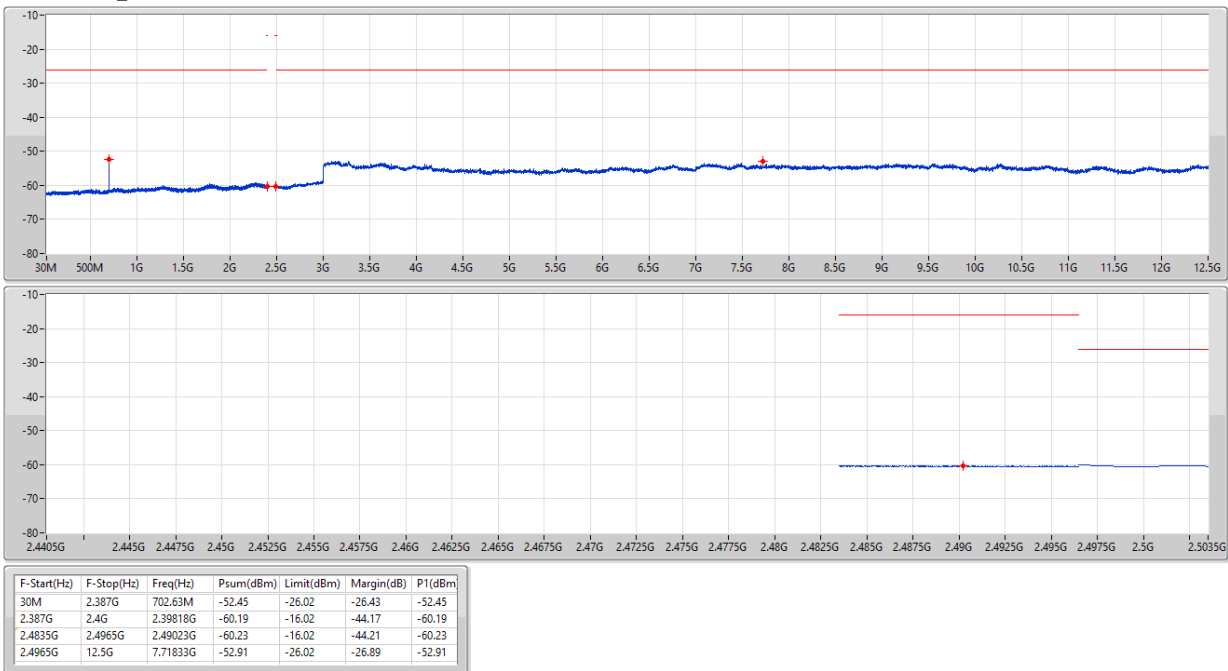
2431MHz_TnomVnom



BT-BR-AFH(1Mbps)

CSE-TX-FS

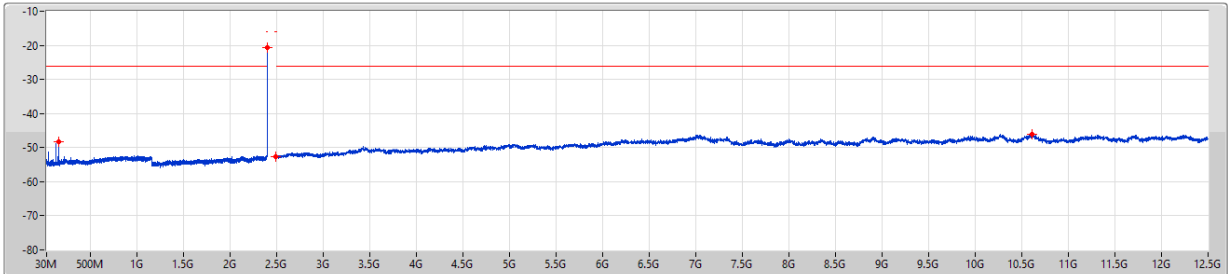
2441MHz_TnomVnom



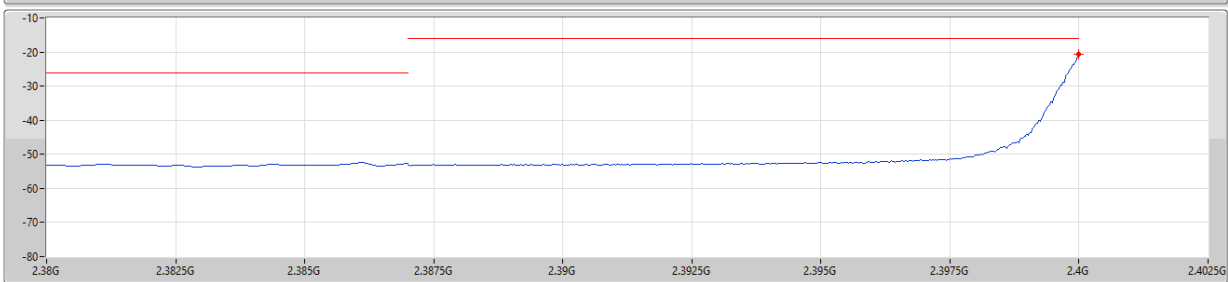
BT-EDR(3Mbps)

CSE-TX-FS

2402MHz_TnomVnom



11/11/2021
Limit
Port 1

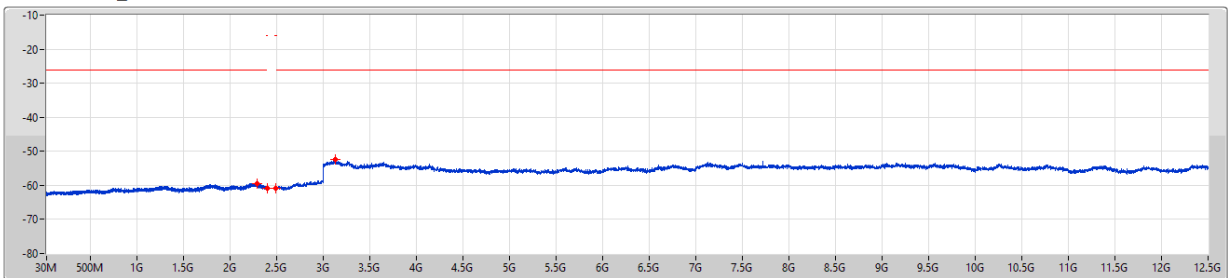


| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|-----------|-----------|------------|------------|---------|
| 30M | 2.387G | 159.93M | -48.26 | -26.02 | -22.24 | -48.26 |
| 2.387G | 2.4G | 2.4G | -20.53 | -16.02 | -4.51 | -20.53 |
| 2.4835G | 2.4965G | 2.48847G | -52.68 | -16.02 | -36.66 | -52.68 |
| 2.4965G | 12.5G | 10.61434G | -46.07 | -26.02 | -20.05 | -46.07 |

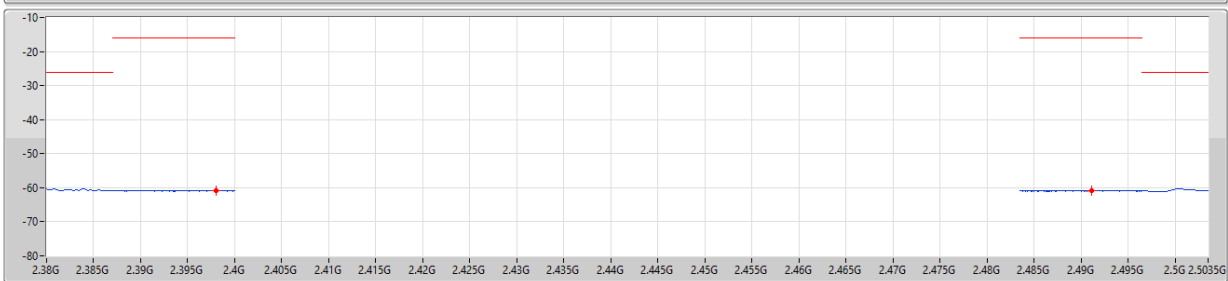
BT-EDR(3Mbps)

CSE-TX-FS

2440MHz_TnomVnom



07/11/2021
Limit
Port 1

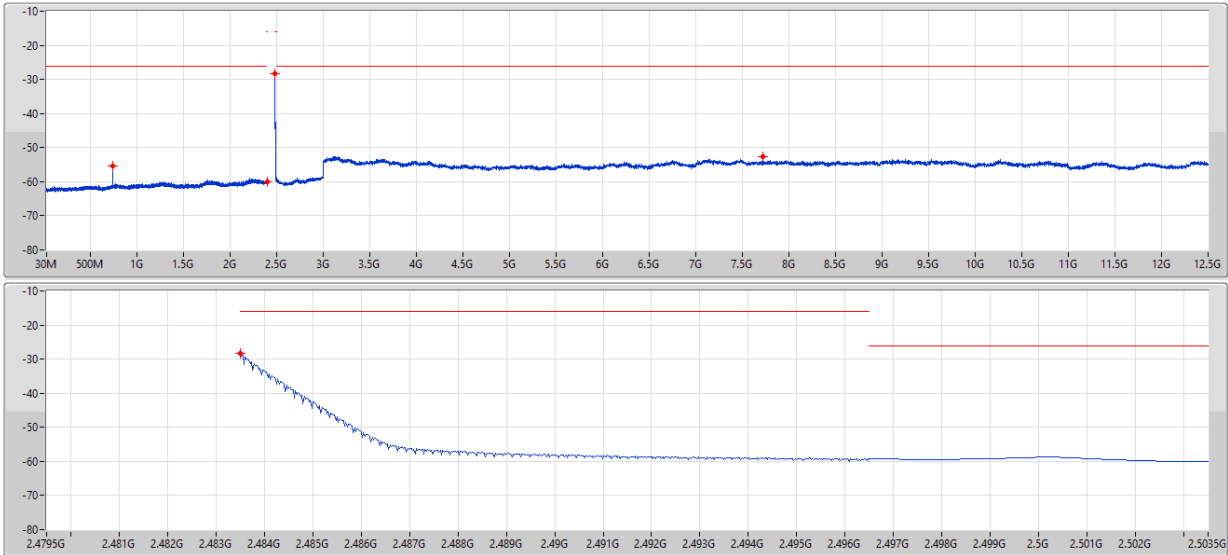




| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 2.29272G | -59.36 | -26.02 | -33.34 | -59.36 |
| 2.387G | 2.4G | 2.39802G | -60.74 | -16.02 | -44.72 | -60.74 |
| 2.4835G | 2.4965G | 2.49109G | -60.73 | -16.02 | -44.71 | -60.73 |
| 2.4965G | 12.5G | 3.12797G | -52.45 | -26.02 | -26.43 | -52.45 |

BT-EDR(3Mbps)

CSE-TX-FS

2480MHz_TnomVnom



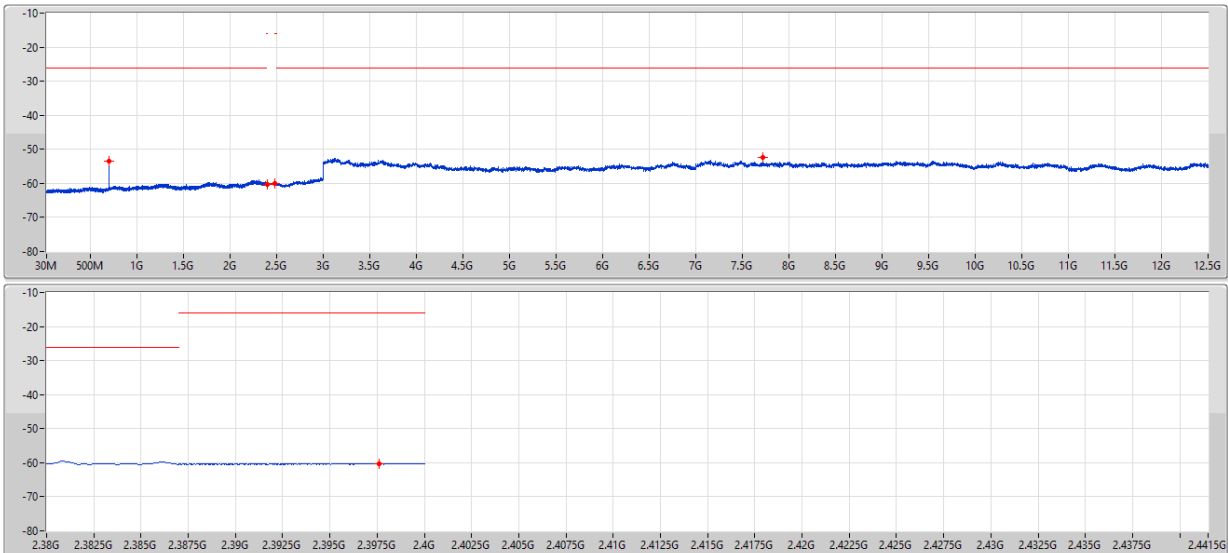
07/11/2021
Limit 
Port 1 


| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 741.81M | -55.38 | -26.02 | -29.36 | -55.38 |
| 2.387G | 2.4G | 2.39995G | -60.00 | -16.02 | -43.98 | -60.00 |
| 2.4835G | 2.4965G | 2.4835G | -28.44 | -16.02 | -12.42 | -28.44 |
| 2.4965G | 12.5G | 7.71833G | -52.53 | -26.02 | -26.51 | -52.53 |

BT-EDR-AFH(3Mbps)

CSE-TX-FS

2441MHz_TnomVnom



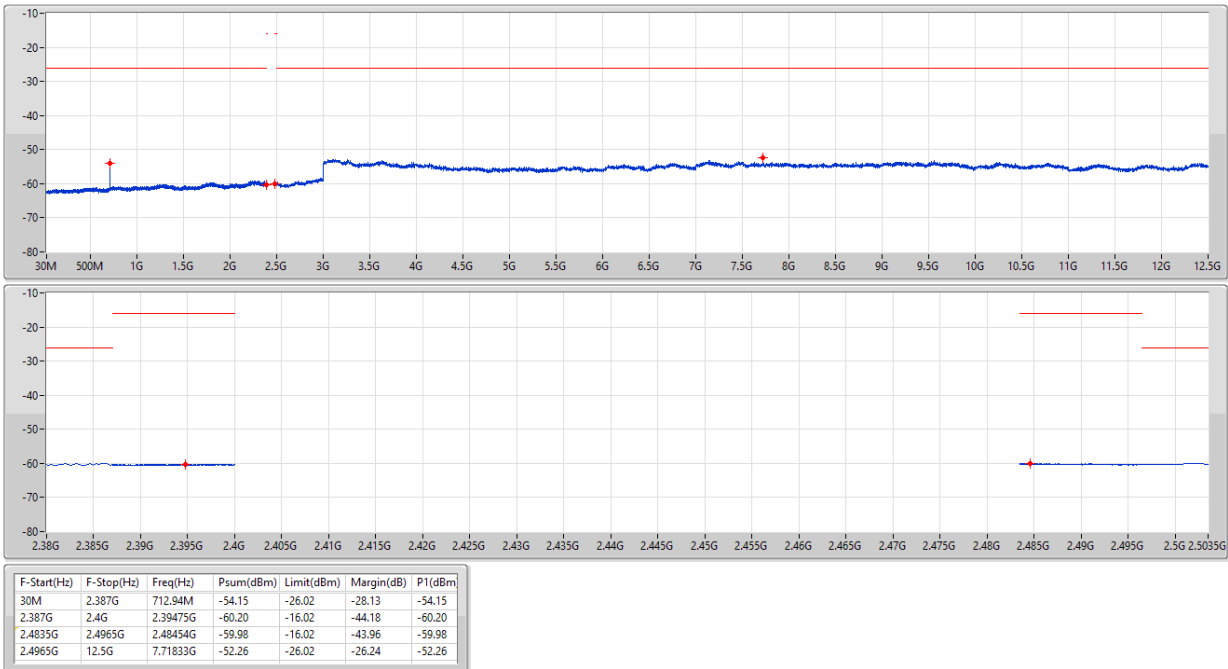
07/11/2021
Limit 
Port 1 

| F-Start(Hz) | F-Stop(Hz) | Freq(Hz) | Psum(dBm) | Limit(dBm) | Margin(dB) | P1(dBm) |
|-------------|------------|----------|-----------|------------|------------|---------|
| 30M | 2.387G | 702.63M | -53.53 | -26.02 | -27.51 | -53.53 |
| 2.387G | 2.4G | 2.39761G | -60.18 | -16.02 | -44.16 | -60.18 |
| 2.4835G | 2.4965G | 2.48376G | -60.15 | -16.02 | -44.13 | -60.15 |
| 2.4965G | 12.5G | 7.71833G | -52.37 | -26.02 | -26.35 | -52.37 |

BT-EDR-AFH(3Mbps)

CSE-TX-FS

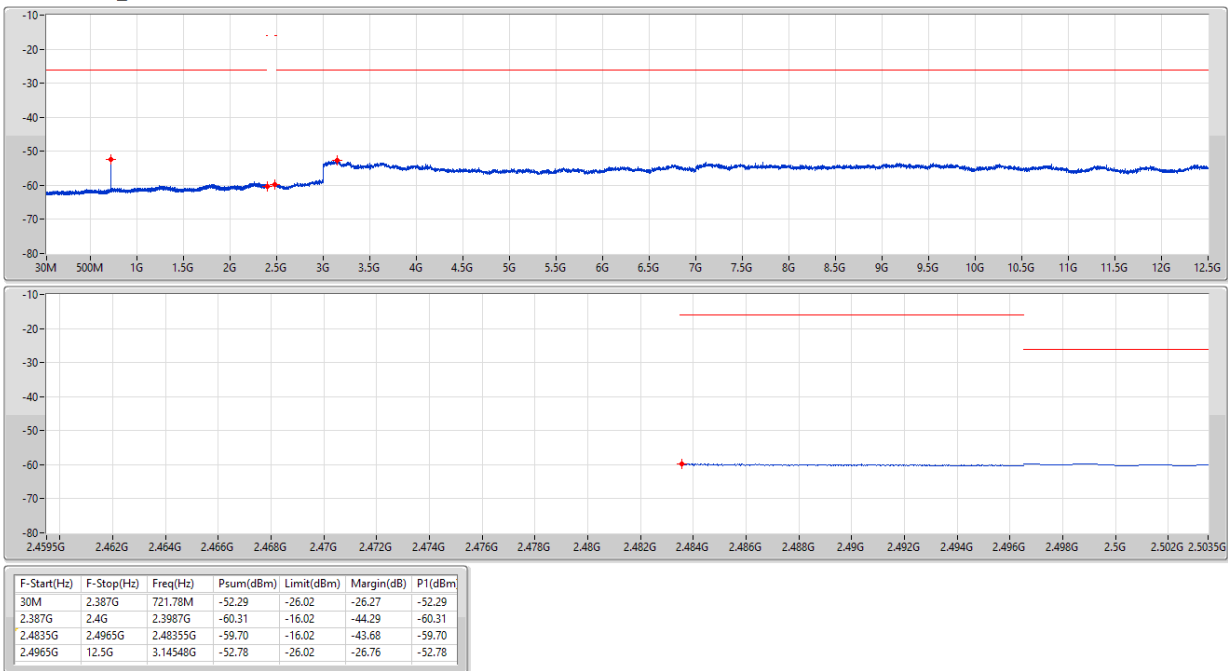
2451MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-TX-FS

2460MHz_TnomVnom



**Summary**

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm) | Psum (nW) | Limit (dBm) | Limit (nW) |
|-------------------|--------|-----------------|----------------|-------------|--------------|---------------|--------------|----------------|---------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 30M | 1G | 100k | 595.15M | -73.57 | 0.04395 | -53.98 | 4 |
| BT-BR-AFH(1Mbps) | Pass | 30M | 1G | 100k | 614.18M | -73.90 | 0.04074 | -53.98 | 4 |
| BT-EDR(3Mbps) | Pass | 30M | 1G | 100k | 273.71M | -74.09 | 0.03899 | -53.98 | 4 |
| BT-EDR-AFH(3Mbps) | Pass | 30M | 1G | 100k | 572.59M | -73.15 | 0.04842 | -53.98 | 4 |

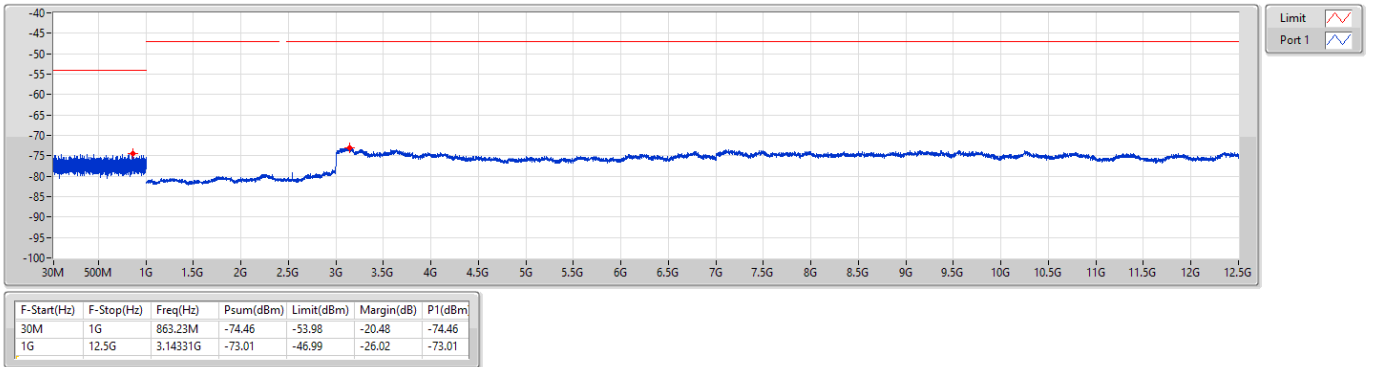
Result

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm) | Psum (nW) | Limit (dBm) | Limit (nW) |
|-------------------|--------|-----------------|----------------|-------------|--------------|---------------|--------------|----------------|---------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 1G | 100k | 863.23M | -74.46 | 0.03581 | -53.98 | 4 |
| 2402MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.14331G | -73.01 | 0.05 | -46.99 | 20 |
| 2440MHz_TnomVnom | Pass | 30M | 1G | 100k | 555.38M | -73.74 | 0.04227 | -53.98 | 4 |
| 2440MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.1275G | -73.04 | 0.04966 | -46.99 | 20 |
| 2480MHz_TnomVnom | Pass | 30M | 1G | 100k | 595.15M | -73.57 | 0.04395 | -53.98 | 4 |
| 2480MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.11744G | -73.04 | 0.04966 | -46.99 | 20 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 30M | 1G | 100k | 287.9M | -73.92 | 0.04055 | -53.98 | 4 |
| 2422MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13613G | -72.95 | 0.0507 | -46.99 | 20 |
| 2431MHz_TnomVnom | Pass | 30M | 1G | 100k | 614.18M | -73.90 | 0.04074 | -53.98 | 4 |
| 2431MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.11025G | -72.70 | 0.0537 | -46.99 | 20 |
| 2441MHz_TnomVnom | Pass | 30M | 1G | 100k | 254.31M | -74.53 | 0.03524 | -53.98 | 4 |
| 2441MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.06138G | -72.76 | 0.05297 | -46.99 | 20 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 1G | 100k | 273.71M | -74.09 | 0.03899 | -53.98 | 4 |
| 2402MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.12175G | -73.16 | 0.04831 | -46.99 | 20 |
| 2440MHz_TnomVnom | Pass | 30M | 1G | 100k | 83.59M | -74.17 | 0.03828 | -53.98 | 4 |
| 2440MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13756G | -73.05 | 0.04955 | -46.99 | 20 |
| 2480MHz_TnomVnom | Pass | 30M | 1G | 100k | 267.77M | -74.50 | 0.03548 | -53.98 | 4 |
| 2480MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13181G | -72.63 | 0.05458 | -46.99 | 20 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 30M | 1G | 100k | 724.64M | -73.21 | 0.04775 | -53.98 | 4 |
| 2441MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.12463G | -72.78 | 0.05272 | -46.99 | 20 |
| 2451MHz_TnomVnom | Pass | 30M | 1G | 100k | 572.59M | -73.15 | 0.04842 | -53.98 | 4 |
| 2451MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.14331G | -72.57 | 0.05534 | -46.99 | 20 |
| 2460MHz_TnomVnom | Pass | 30M | 1G | 100k | 657.71M | -73.65 | 0.04315 | -53.98 | 4 |
| 2460MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.10019G | -72.71 | 0.05358 | -46.99 | 20 |

BT-BR(1Mbps)

CSE-RX-FS

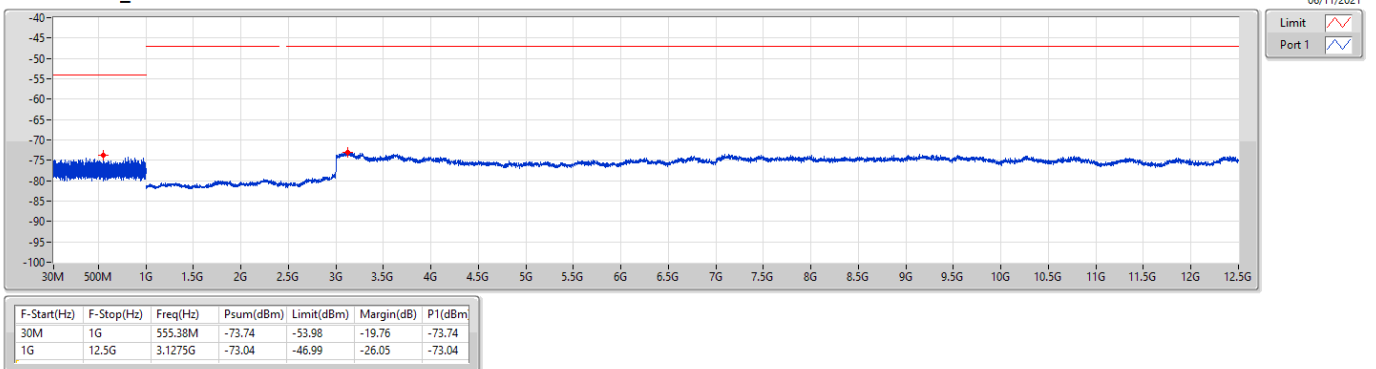
2402MHz_TnomVnom



BT-BR(1Mbps)

CSE-RX-FS

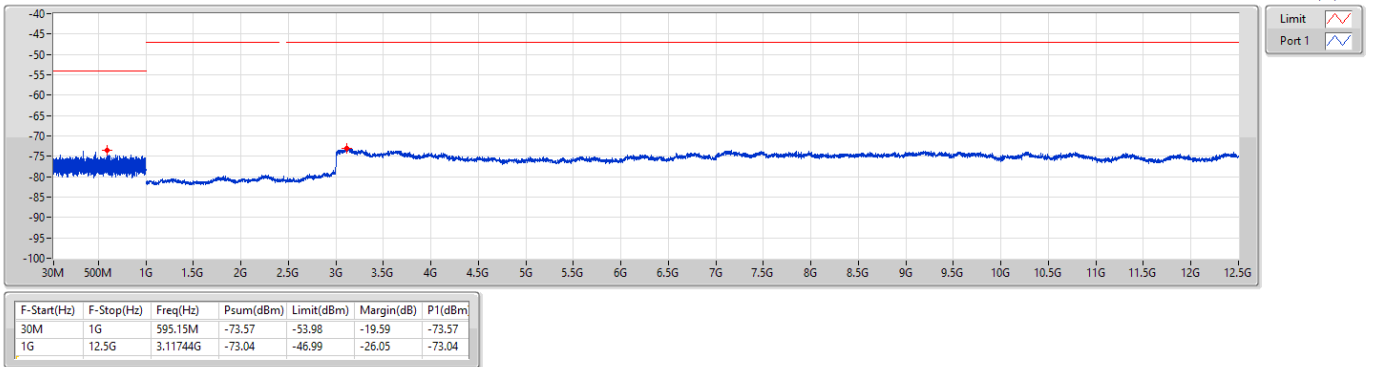
2440MHz_TnomVnom



BT-BR(1Mbps)

CSE-RX-FS

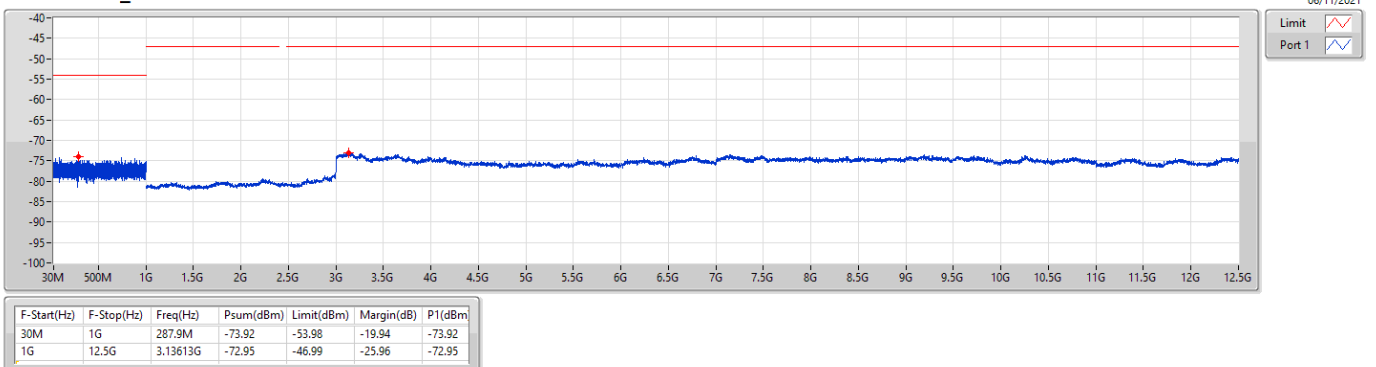
2480MHz_TnomVnom



BT-BR-AFH(1Mbps)

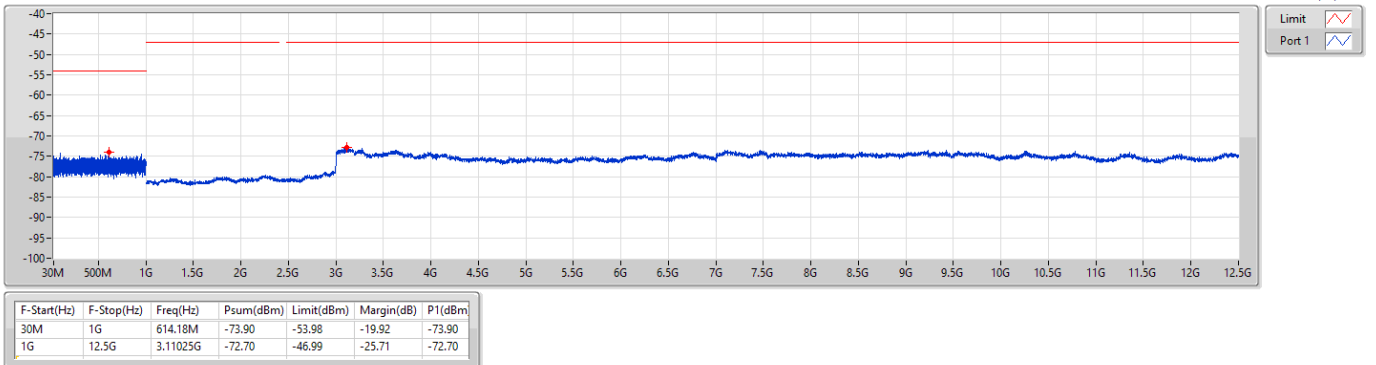
CSE-RX-FS

2422MHz_TnomVnom



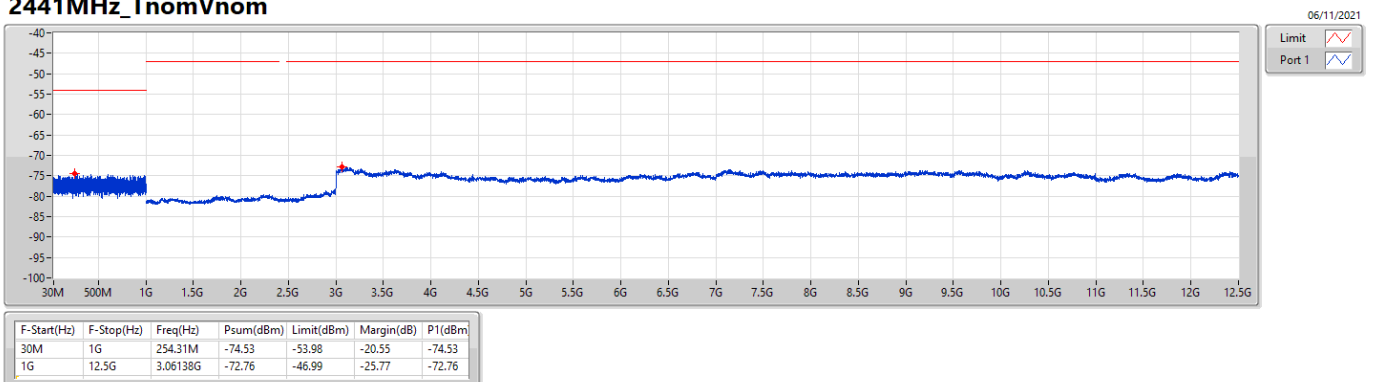
BT-BR-AFH(1Mbps) 2431MHz_TnomVnom

CSE-RX-FS



BT-BR-AFH(1Mbps) 2441MHz_TnomVnom

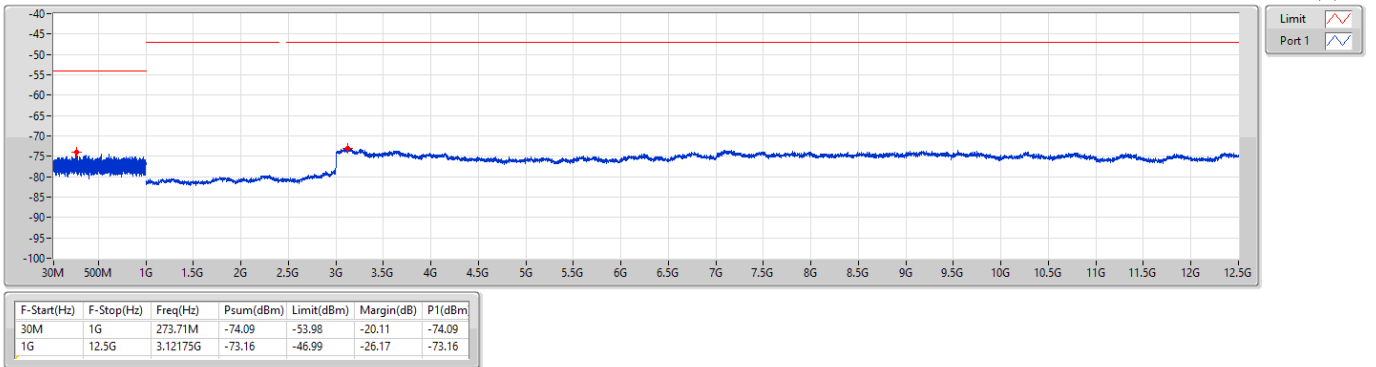
CSE-RX-FS



BT-EDR(3Mbps)

CSE-RX-FS

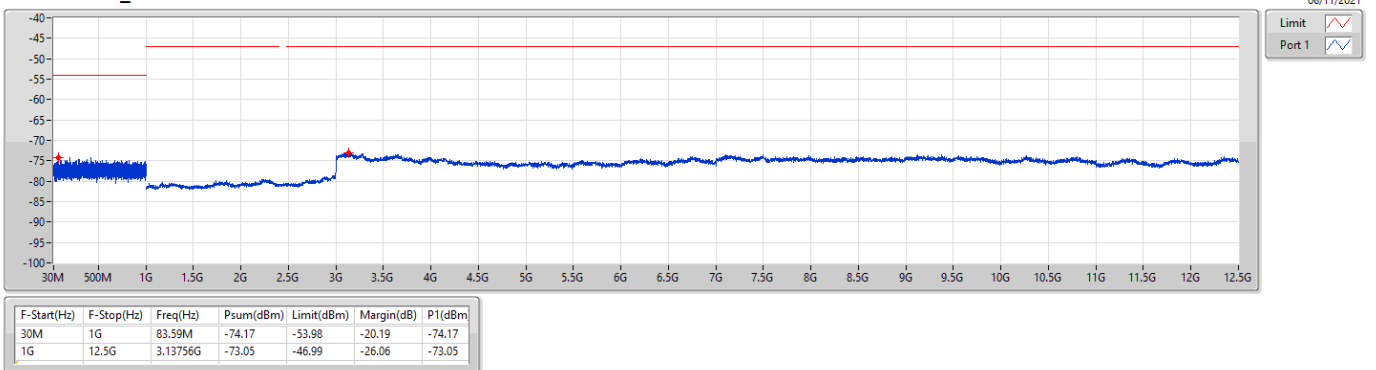
2402MHz_TnomVnom



BT-EDR(3Mbps)

CSE-RX-FS

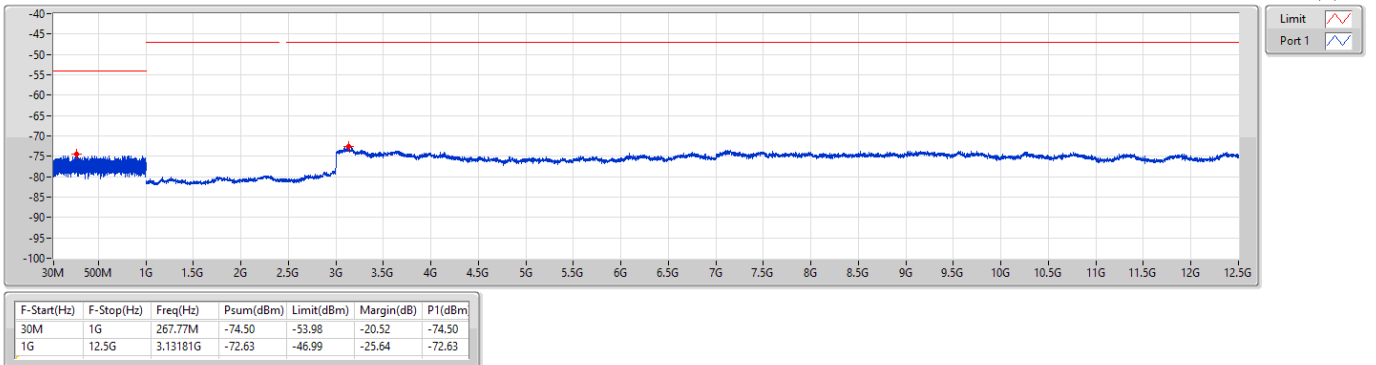
2440MHz_TnomVnom



BT-EDR(3Mbps)

CSE-RX-FS

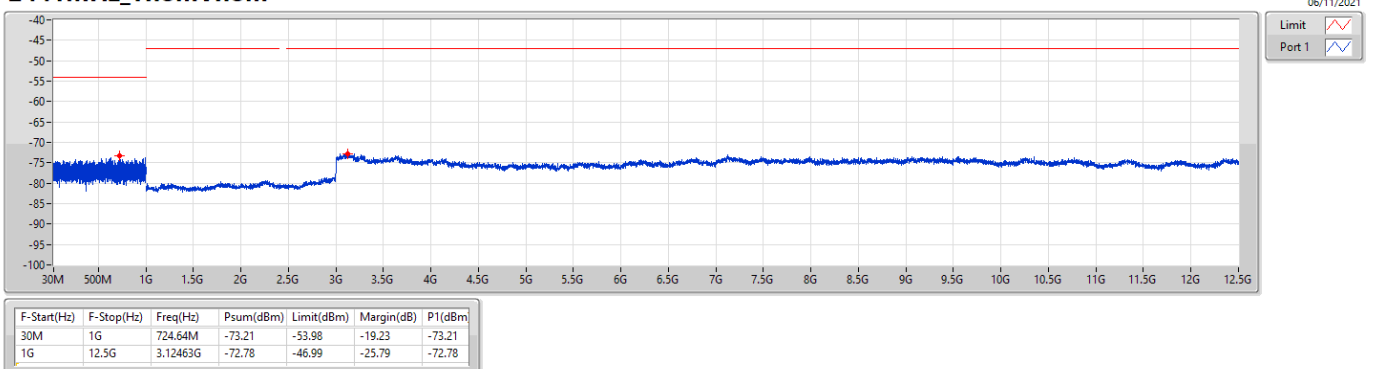
2480MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

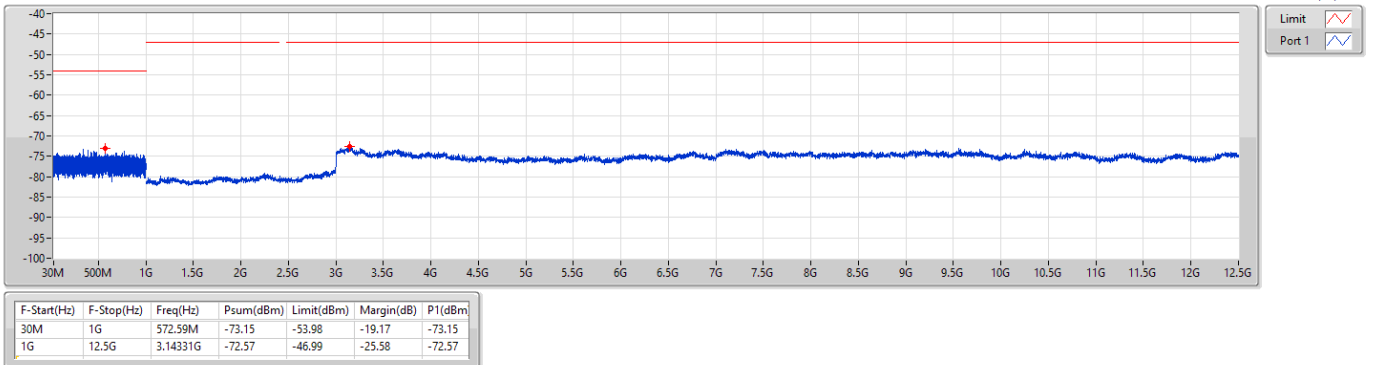
2441MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

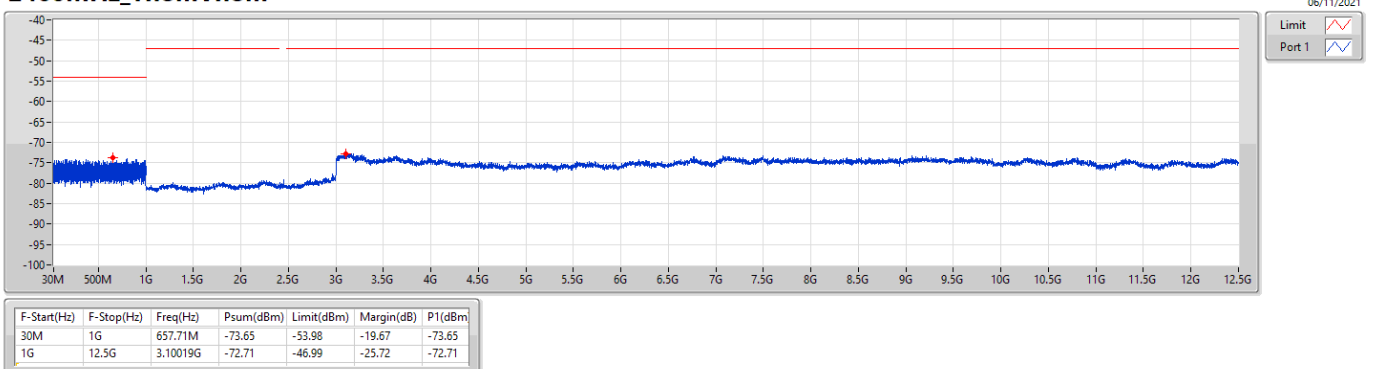
2451MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

2460MHz_TnomVnom





Summary

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm) | Psum (nW) | Limit (dBm) | Limit (nW) |
|-------------------|--------|-----------------|----------------|-------------|--------------|---------------|--------------|----------------|---------------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - |
| BT-BR(1Mbps) | Pass | 30M | 1G | 100k | 595.15M | -73.57 | 0.04395 | -53.98 | 4 |
| BT-BR-AFH(1Mbps) | Pass | 30M | 1G | 100k | 614.18M | -73.90 | 0.04074 | -53.98 | 4 |
| BT-EDR(3Mbps) | Pass | 30M | 1G | 100k | 273.71M | -74.09 | 0.03899 | -53.98 | 4 |
| BT-EDR-AFH(3Mbps) | Pass | 30M | 1G | 100k | 572.59M | -73.15 | 0.04842 | -53.98 | 4 |

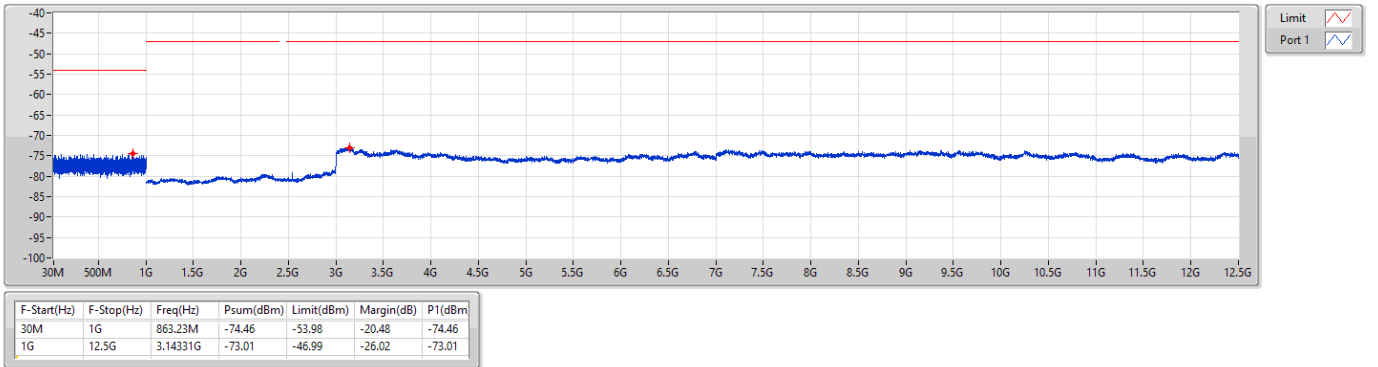
Result

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | Freq (Hz) | Psum (dBm) | Psum (nW) | Limit (dBm) | Limit (nW) |
|-------------------|--------|-----------------|----------------|-------------|--------------|---------------|--------------|----------------|---------------|
| BT-BR(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 1G | 100k | 863.23M | -74.46 | 0.03581 | -53.98 | 4 |
| 2402MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.14331G | -73.01 | 0.05 | -46.99 | 20 |
| 2440MHz_TnomVnom | Pass | 30M | 1G | 100k | 555.38M | -73.74 | 0.04227 | -53.98 | 4 |
| 2440MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.1275G | -73.04 | 0.04966 | -46.99 | 20 |
| 2480MHz_TnomVnom | Pass | 30M | 1G | 100k | 595.15M | -73.57 | 0.04395 | -53.98 | 4 |
| 2480MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.11744G | -73.04 | 0.04966 | -46.99 | 20 |
| BT-BR-AFH(1Mbps) | - | - | - | - | - | - | - | - | - |
| 2422MHz_TnomVnom | Pass | 30M | 1G | 100k | 287.9M | -73.92 | 0.04055 | -53.98 | 4 |
| 2422MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13613G | -72.95 | 0.0507 | -46.99 | 20 |
| 2431MHz_TnomVnom | Pass | 30M | 1G | 100k | 614.18M | -73.90 | 0.04074 | -53.98 | 4 |
| 2431MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.11025G | -72.70 | 0.0537 | -46.99 | 20 |
| 2441MHz_TnomVnom | Pass | 30M | 1G | 100k | 254.31M | -74.53 | 0.03524 | -53.98 | 4 |
| 2441MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.06138G | -72.76 | 0.05297 | -46.99 | 20 |
| BT-EDR(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2402MHz_TnomVnom | Pass | 30M | 1G | 100k | 273.71M | -74.09 | 0.03899 | -53.98 | 4 |
| 2402MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.12175G | -73.16 | 0.04831 | -46.99 | 20 |
| 2440MHz_TnomVnom | Pass | 30M | 1G | 100k | 83.59M | -74.17 | 0.03828 | -53.98 | 4 |
| 2440MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13756G | -73.05 | 0.04955 | -46.99 | 20 |
| 2480MHz_TnomVnom | Pass | 30M | 1G | 100k | 267.77M | -74.50 | 0.03548 | -53.98 | 4 |
| 2480MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.13181G | -72.63 | 0.05458 | -46.99 | 20 |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - | - | - | - | - |
| 2441MHz_TnomVnom | Pass | 30M | 1G | 100k | 724.64M | -73.21 | 0.04775 | -53.98 | 4 |
| 2441MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.12463G | -72.78 | 0.05272 | -46.99 | 20 |
| 2451MHz_TnomVnom | Pass | 30M | 1G | 100k | 572.59M | -73.15 | 0.04842 | -53.98 | 4 |
| 2451MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.14331G | -72.57 | 0.05534 | -46.99 | 20 |
| 2460MHz_TnomVnom | Pass | 30M | 1G | 100k | 657.71M | -73.65 | 0.04315 | -53.98 | 4 |
| 2460MHz_TnomVnom | Pass | 1G | 12.5G | 1M | 3.10019G | -72.71 | 0.05358 | -46.99 | 20 |

BT-BR(1Mbps)

CSE-RX-FS

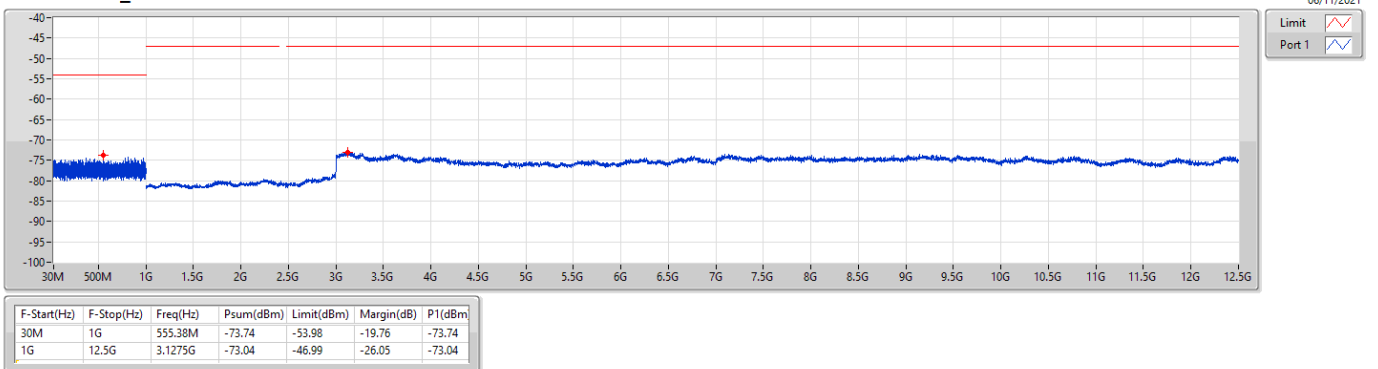
2402MHz_TnomVnom



BT-BR(1Mbps)

CSE-RX-FS

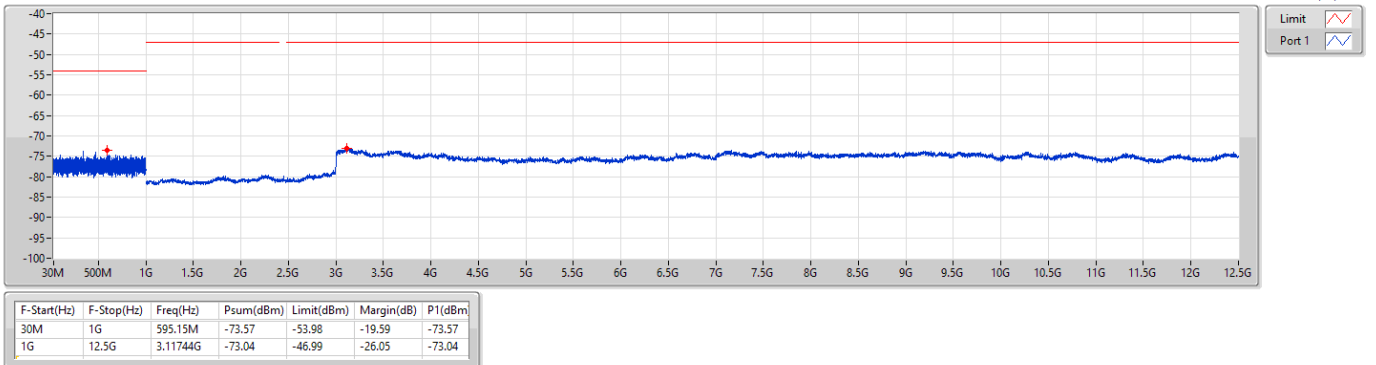
2440MHz_TnomVnom



BT-BR(1Mbps)

CSE-RX-FS

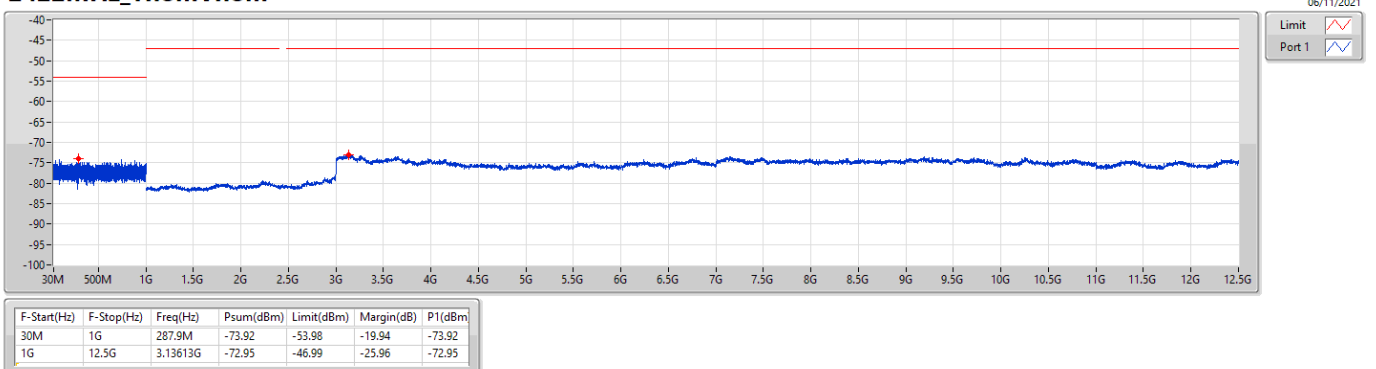
2480MHz_TnomVnom



BT-BR-AFH(1Mbps)

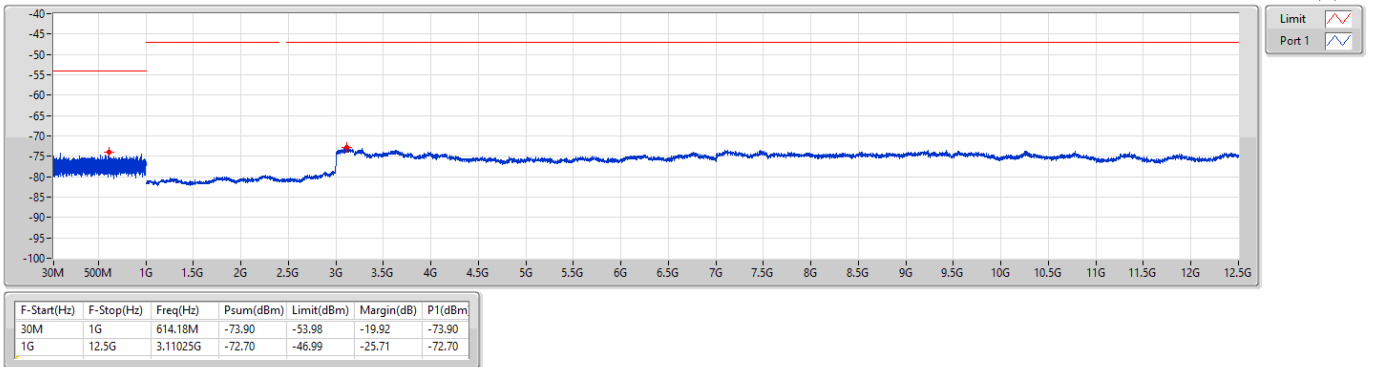
CSE-RX-FS

2422MHz_TnomVnom



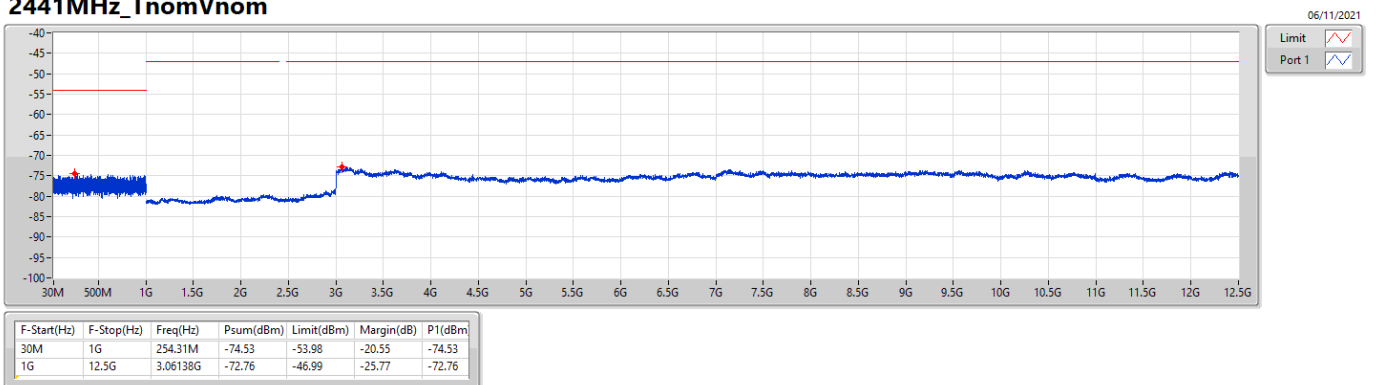
BT-BR-AFH(1Mbps)
2431MHz_TnomVnom

CSE-RX-FS



BT-BR-AFH(1Mbps)
2441MHz_TnomVnom

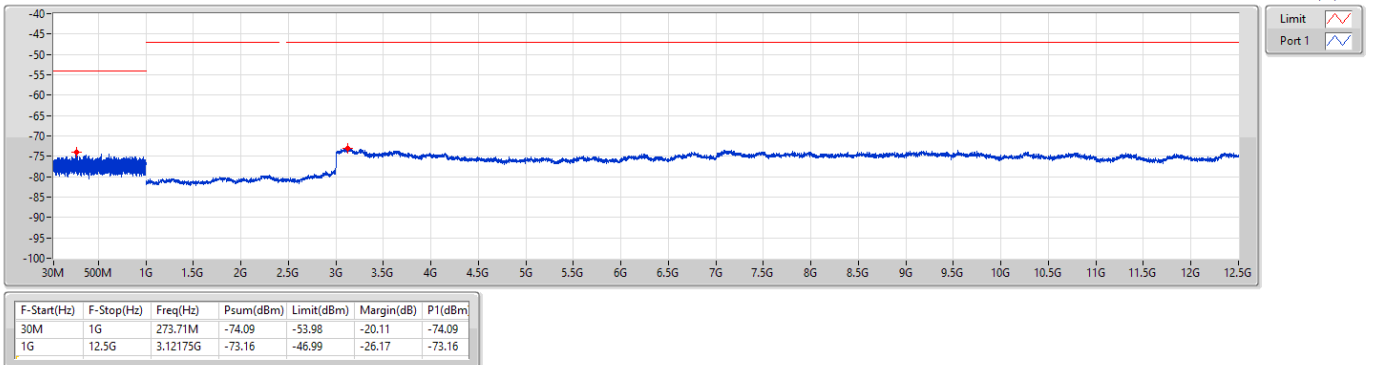
CSE-RX-FS



BT-EDR(3Mbps)

CSE-RX-FS

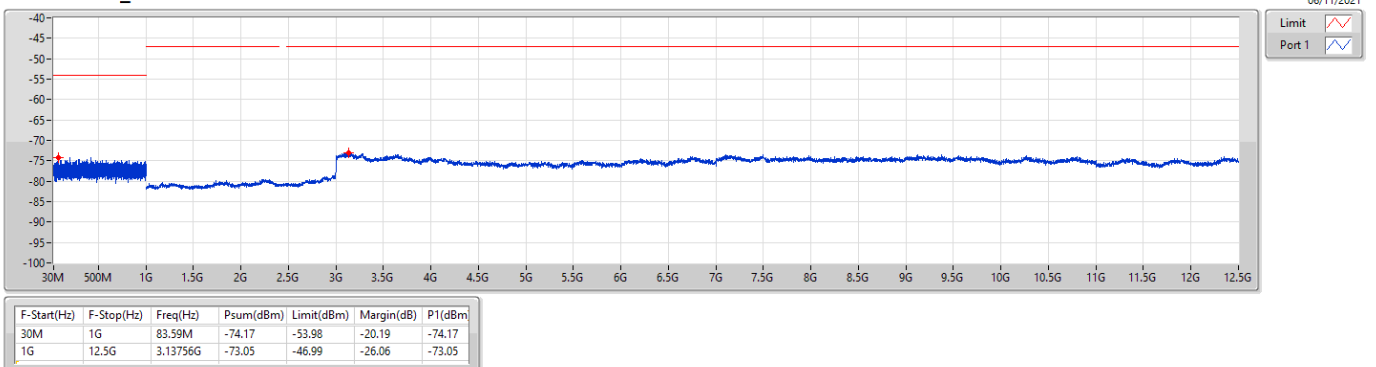
2402MHz_TnomVnom



BT-EDR(3Mbps)

CSE-RX-FS

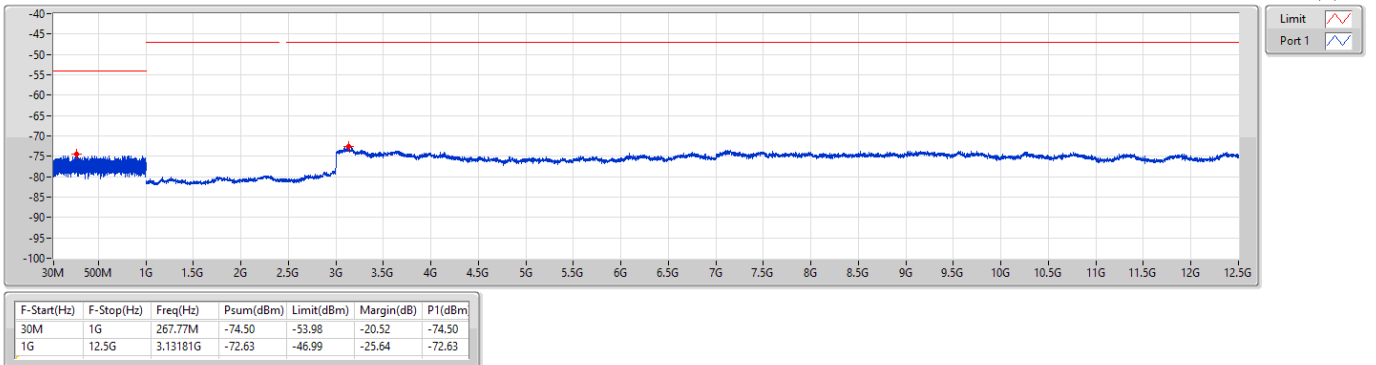
2440MHz_TnomVnom



BT-EDR(3Mbps)

CSE-RX-FS

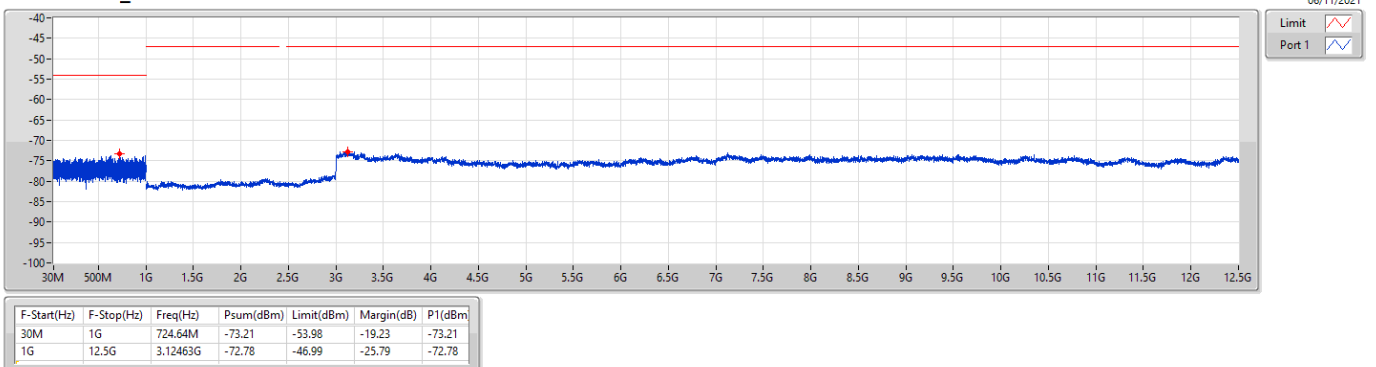
2480MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

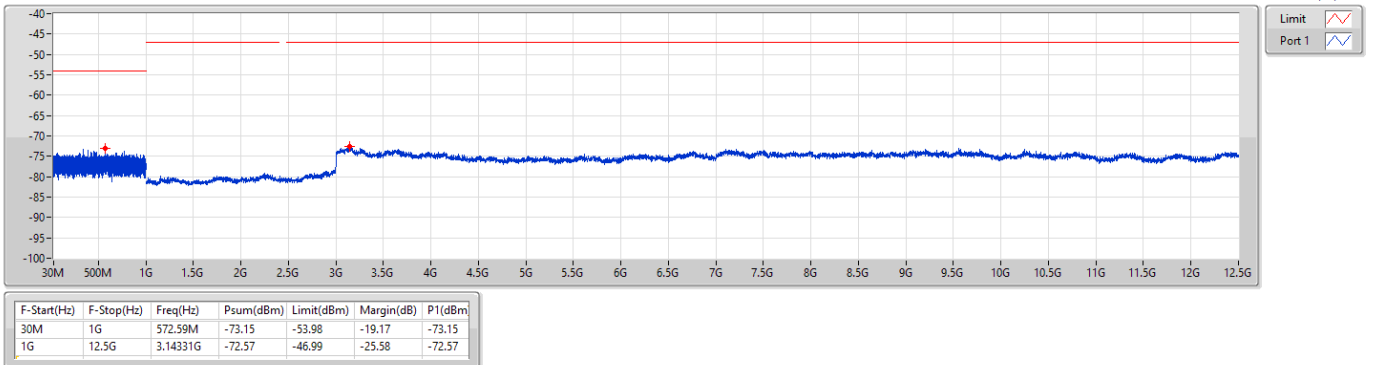
2441MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

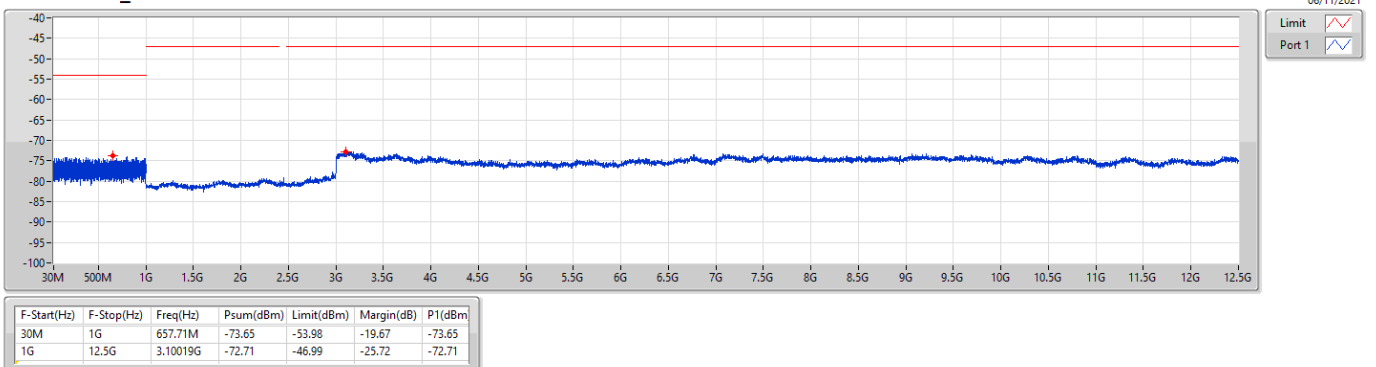
2451MHz_TnomVnom



BT-EDR-AFH(3Mbps)

CSE-RX-FS

2460MHz_TnomVnom





Summary

| Mode | Result | MAC (ID Length) | ID Limit | Function |
|-------------------|--------|--------------------|----------|----------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-BR-AFH(1Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR(3Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR-AFH(3Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |

Result

| Mode | Result | MAC (ID Length) | ID Limit | Function |
|-------------------|--------|--------------------|----------|----------|
| BT-BR(1Mbps) | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-BR-AFH(1Mbps) | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR(3Mbps) | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR-AFH(3Mbps) | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |



Summary

| Mode | Result | MAC (ID Length) | ID Limit | Function |
|-------------------|--------|--------------------|----------|----------|
| 2.4-2.4835GHz | - | - | - | - |
| BT-BR(1Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-BR-AFH(1Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR(3Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR-AFH(3Mbps) | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |

Result

| Mode | Result | MAC (ID Length) | ID Limit | Function |
|-------------------|--------|--------------------|----------|----------|
| BT-BR(1Mbps) | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-BR-AFH(1Mbps) | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR(3Mbps) | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |
| BT-EDR-AFH(3Mbps) | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 00:E0:4C:8C:10:45 | 48 bits | Good |

Summary

| Mode | Max-Dwell (s) |
|-------------------|------------------|
| 2.4-2.4835GHz | - |
| BT-BR(1Mbps) | 276.897m |
| BT-BR-AFH(1Mbps) | 72.564m |
| BT-EDR(3Mbps) | 277.273m |
| BT-EDR-AFH(3Mbps) | 73.522m |

Result

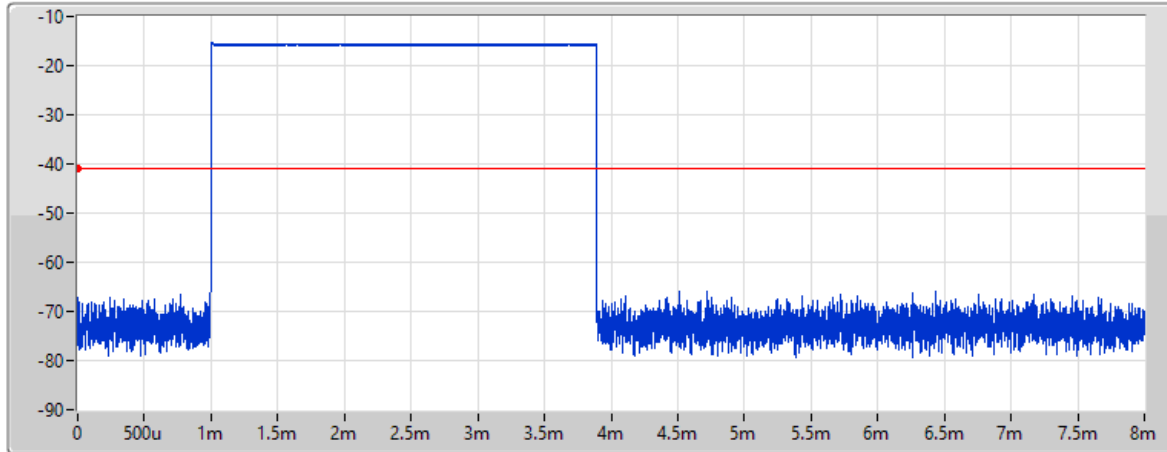
| Mode | Result | Period (s) | Dwell (s) | Limit (s) | Tx On (s) |
|-------------------|--------|------------|-----------|-----------|-----------|
| BT-BR(1Mbps) | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 28.4 | 276.897m | 400m | 2.888m |
| BT-BR-AFH(1Mbps) | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 7.44 | 72.564m | 400m | 2.889m |
| BT-EDR(3Mbps) | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 28.36 | 277.273m | 400m | 2.896m |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 7.52 | 73.522m | 400m | 2.896m |


BT-BR(1Mbps)

Dwell

Hopping Mode_TnomVnom

06/11/2021



Port 1 

CF
2.44GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.888ms

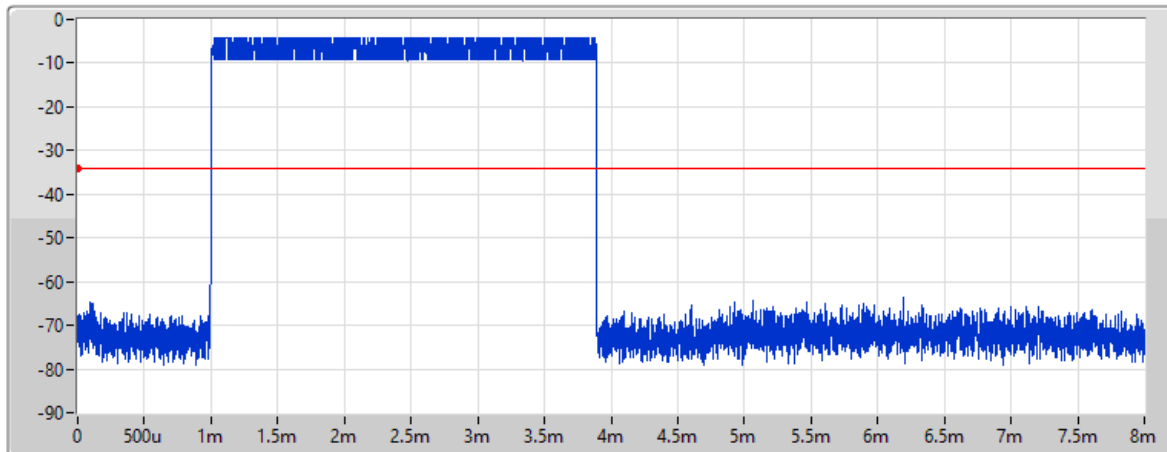
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 28.4 | 276.897m | 400m | 2.888m |


BT-BR-AFH(1Mbps)

Dwell

Hopping Mode_TnomVnom

06/11/2021



Port 1 

CF
2.431GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.889ms

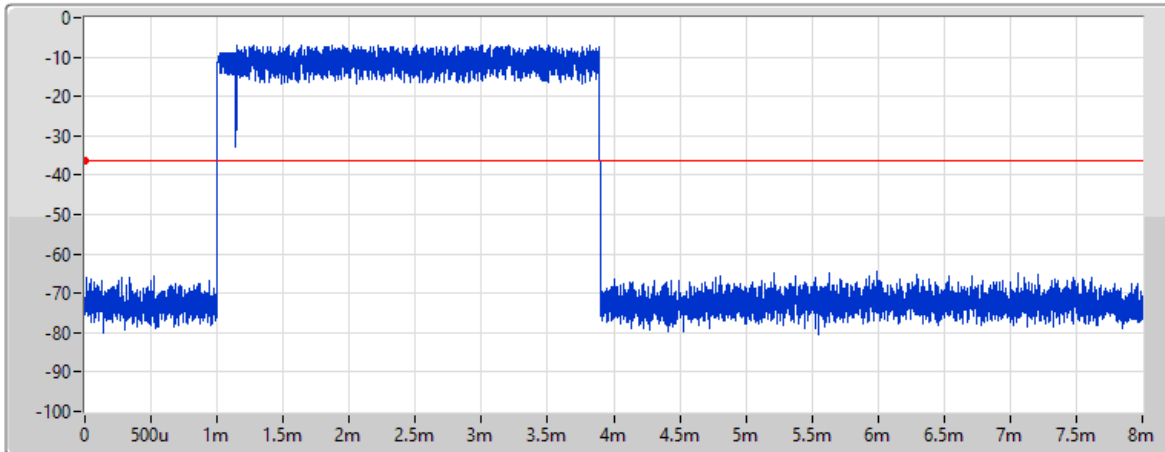
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 7.44 | 72.564m | 400m | 2.889m |

BT-EDR(3Mbps)

Dwell

Hopping Mode_TnomVnom

07/11/2021



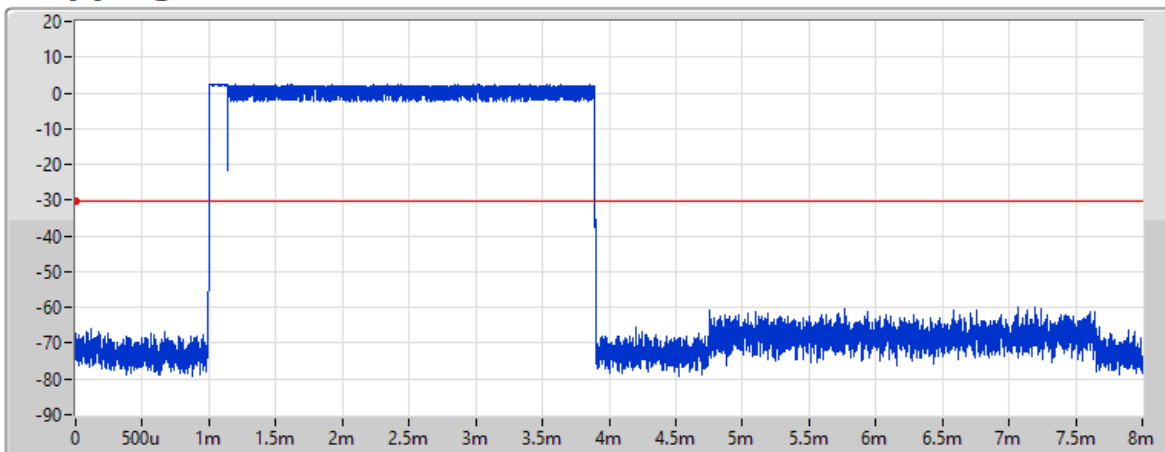
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 28.36 | 277.273m | 400m | 2.896m |

BT-EDR-AFH(3Mbps)

Dwell

Hopping Mode_TnomVnom

07/11/2021



| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 7.52 | 73.522m | 400m | 2.896m |



Dwell Time (FHSS) <High Power>

Appendix G.2

Summary

| Mode | Max-Dwell (s) |
|-------------------|------------------|
| 2.4-2.4835GHz | - |
| BT-BR(1Mbps) | 276.897m |
| BT-BR-AFH(1Mbps) | 72.564m |
| BT-EDR(3Mbps) | 277.273m |
| BT-EDR-AFH(3Mbps) | 73.522m |

Result

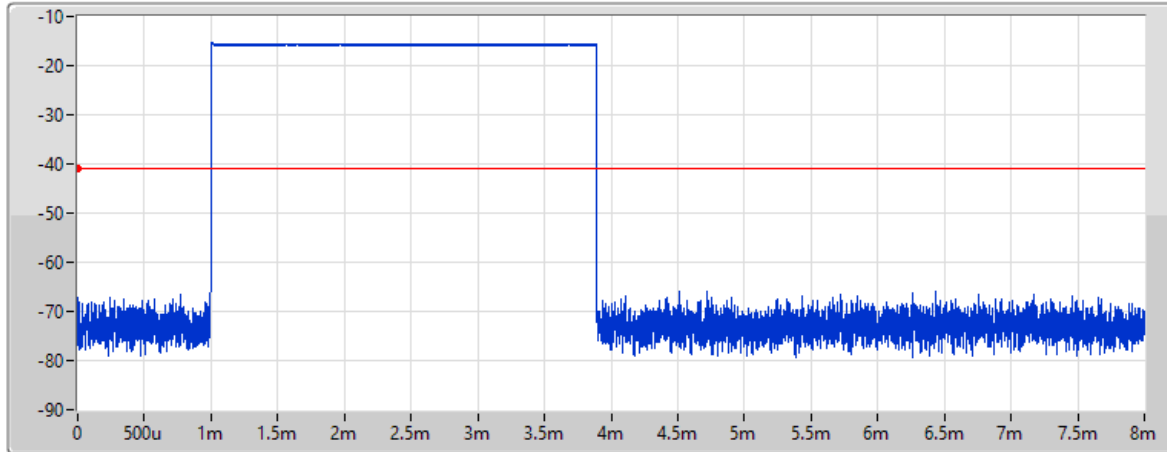
| Mode | Result | Period (s) | Dwell (s) | Limit (s) | Tx On (s) |
|-------------------|--------|---------------|--------------|--------------|--------------|
| BT-BR(1Mbps) | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 28.4 | 276.897m | 400m | 2.888m |
| BT-BR-AFH(1Mbps) | - | - | - | - | - |
| 2431MHz_TnomVnom | Pass | 7.44 | 72.564m | 400m | 2.889m |
| BT-EDR(3Mbps) | - | - | - | - | - |
| 2440MHz_TnomVnom | Pass | 28.36 | 277.273m | 400m | 2.896m |
| BT-EDR-AFH(3Mbps) | - | - | - | - | - |
| 2451MHz_TnomVnom | Pass | 7.52 | 73.522m | 400m | 2.896m |


BT-BR(1Mbps)

Dwell

Hopping Mode_TnomVnom

06/11/2021



Port 1 

CF
2.44GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.888ms

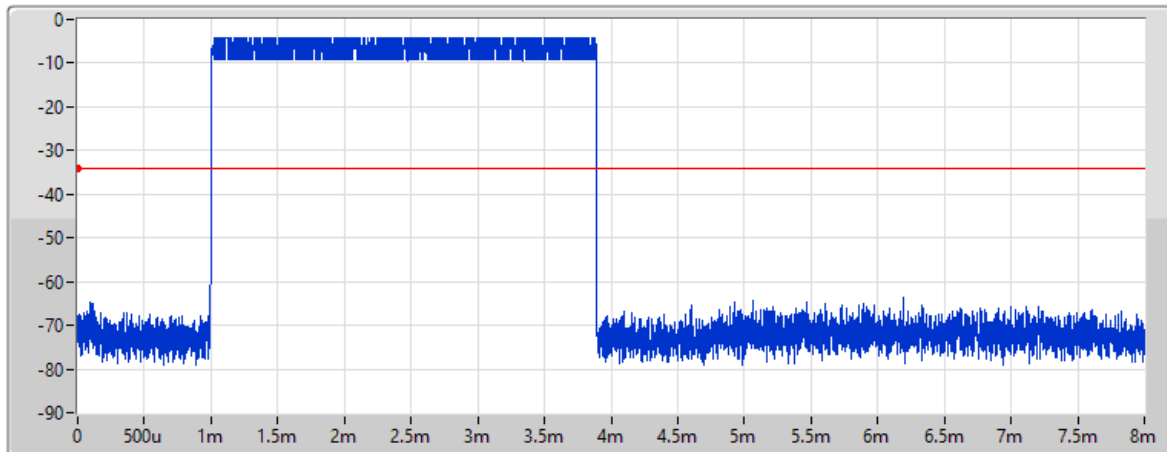
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 28.4 | 276.897m | 400m | 2.888m |


BT-BR-AFH(1Mbps)

Dwell

Hopping Mode_TnomVnom

06/11/2021



Port 1 

CF
2.431GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.889ms

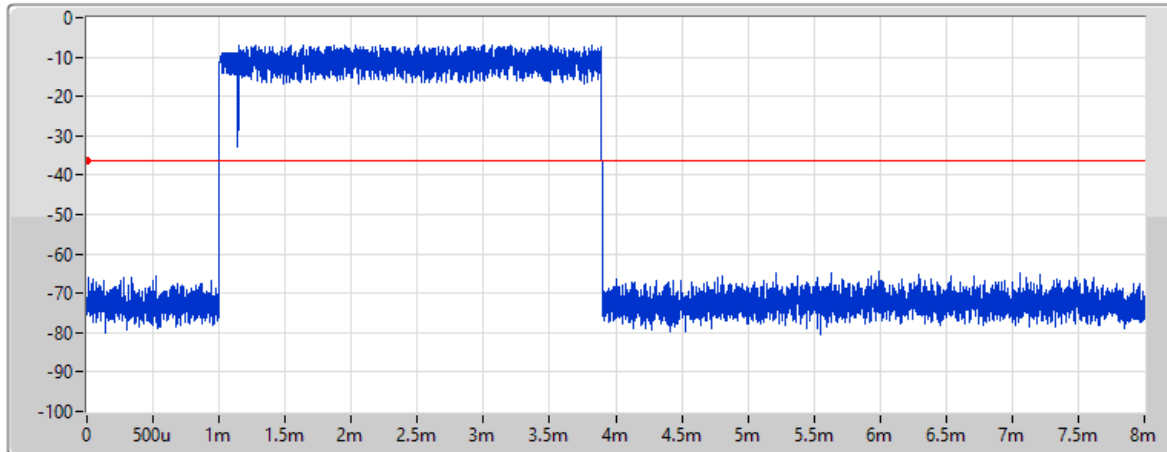
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 7.44 | 72.564m | 400m | 2.889m |


BT-EDR(3Mbps)

Dwell

Hopping Mode_TnomVnom

07/11/2021



Port 1 

CF
2.44GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.896ms

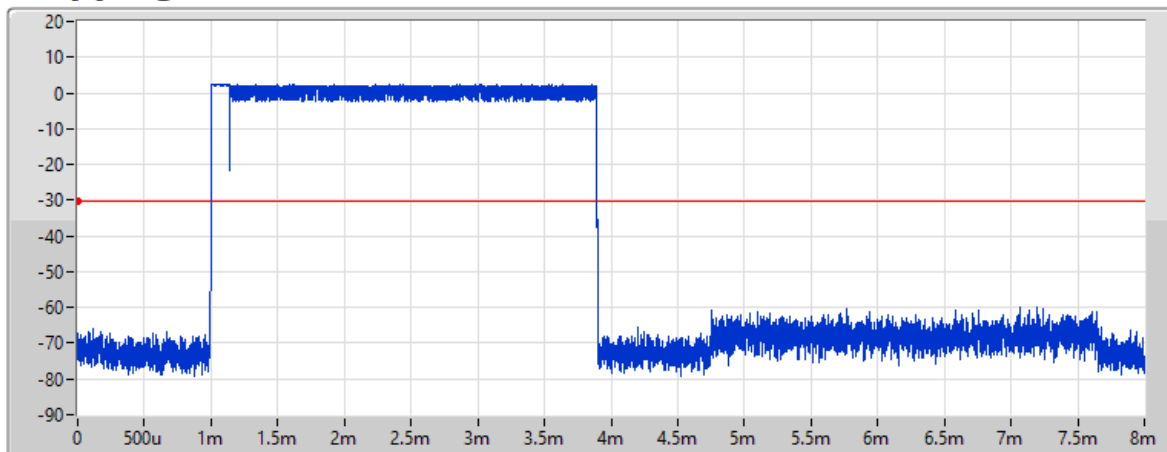
| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 28.36 | 277.273m | 400m | 2.896m |

BT-EDR-AFH(3Mbps)

Dwell

Hopping Mode_TnomVnom

07/11/2021



Port 1 

CF
2.451GHz

RBW
1MHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.896ms

| Period(s) | Dwell(s) | Limit(s) | Tx On(s) |
|-----------|----------|----------|----------|
| 7.52 | 73.522m | 400m | 2.896m |