

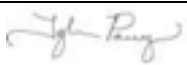


427 West 12800 South  
Draper, UT 84020

## Test Report Attachment

|                                  |               |
|----------------------------------|---------------|
| <b>FCC ID</b>                    | SWX-UX        |
| <b>ISED ID</b>                   | 6545A-UX      |
| <b>Equipment Under Test</b>      | UX            |
| <b>Test Report Serial Number</b> | TR7912_01     |
| <b>Date of Test(s)</b>           | 26 April 2023 |
| <b>Report Issue Date</b>         | 5 May 2023    |

## Test Personnel

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| <b>Testing performed by</b> |  |
|-----------------------------|-------------------------------------------------------------------------------------|

## Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2023. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2023. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



**NVLAP LAB CODE 600241-0**

# 1 Table of Contents

|                              |          |
|------------------------------|----------|
| <i>Test Personnel .....</i>  | <i>1</i> |
| <i>Test Location .....</i>   | <i>1</i> |
| <b>2 UX WiFi 2.4GHz.....</b> | <b>3</b> |
| 2.1 ax Mode.....             | 3        |
| 2.2 b Mode .....             | 44       |
| 2.3 g Mode .....             | 67       |
| 2.4 n Mode .....             | 90       |

## 2 UX WiFi 2.4GHz

### 2.1 ax Mode

#### Summary

| Test                            | Frequency (MHz) | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result |
|---------------------------------|-----------------|---------------------|-------------------------|--------|
| RF output power                 | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2412.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density          | 2412.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2412.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2462.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2462.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2462.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2422.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2422.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2422.000        | 24.0                | 40.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 40.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2452.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2452.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2452.000        | 24.0                | 40.000000               | PASS   |

#### RF output power (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

#### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 18.7            | 30.0            | 18.7             | 91.887        | PASS   |

#### OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

## Minimum Emission Bandwidth 6 dB (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

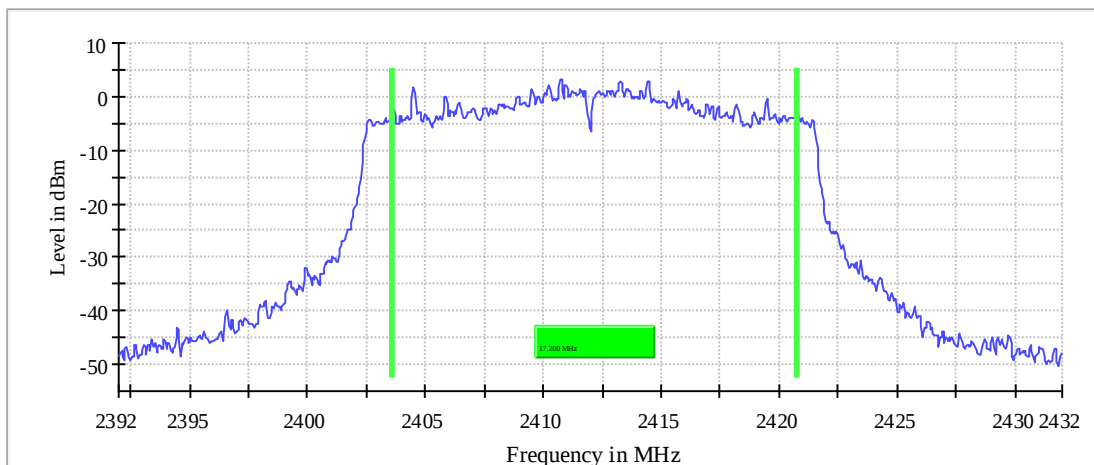
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 17.200000       | 0.500000        | ---             | 2403.575000          | 2420.775000           |

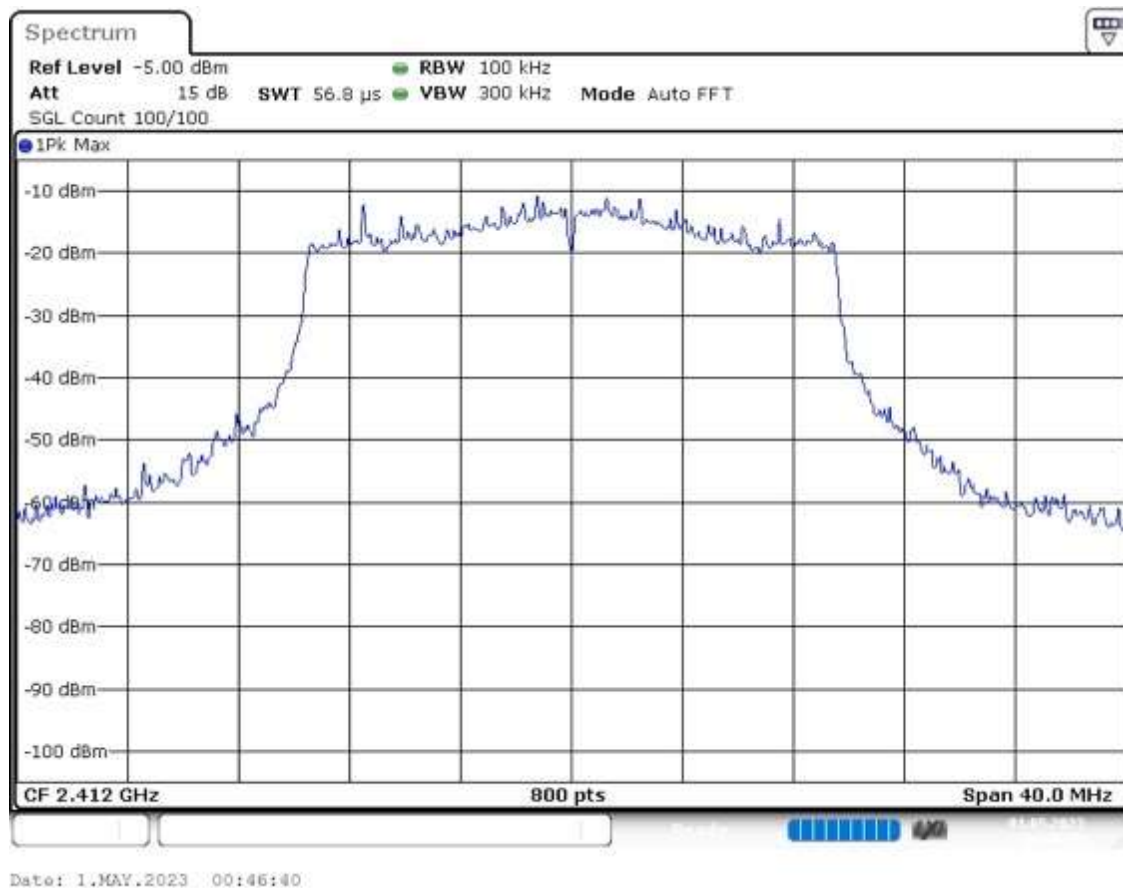
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 3.2             | PASS   |

6 dB Bandwidth



Bandwidth



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz   |
| Span            | 40.000 MHz       | 40.000 MHz    |
| RBW             | 100.000 kHz      | ~ 100.000 kHz |
| VBW             | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints     | 800              | ~ 800         |
| Sweeptime       | 56.836 $\mu$ s   | AUTO          |
| Reference Level | -5.000 dBm       | -5.000 dBm    |
| Attenuation     | 15.000 dB        | AUTO          |
| Detector        | MaxPeak          | MaxPeak       |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Max Hold         | Max Hold      |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Power Spectral Density (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

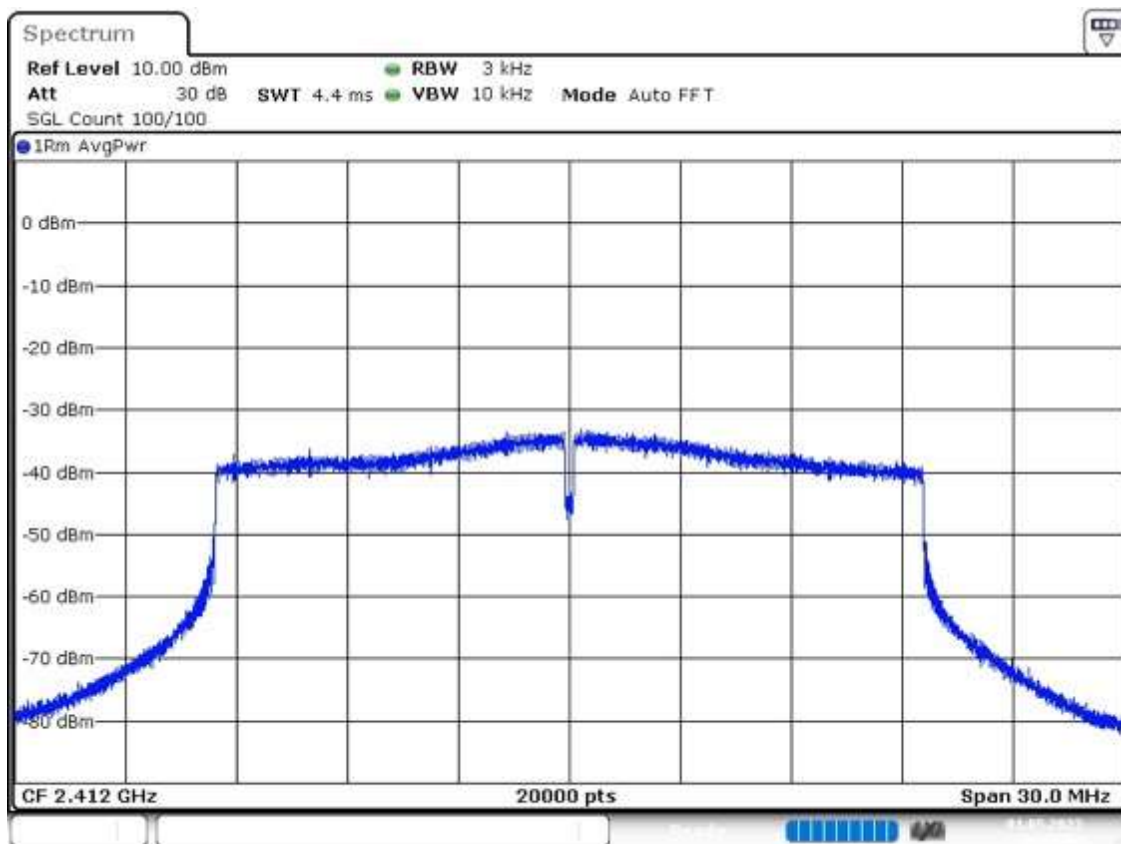
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2413.724250     | -16.083   | 8.0             | PASS   |

### Ports

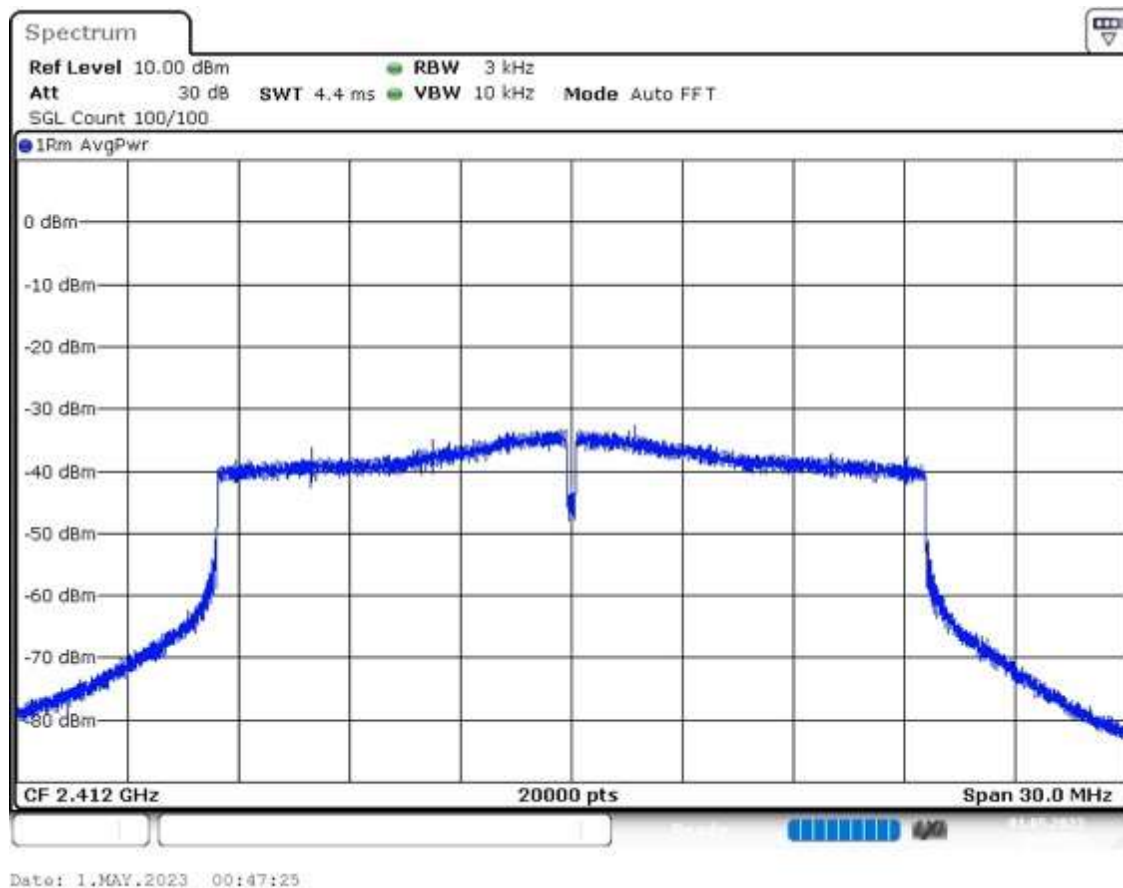
| Port | State |
|------|-------|
| 1    | used  |
| 2    | used  |

PSD Connector 1



Date: 1.MAY.2023 00:47:05

PSD Connector 2



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency  | 2.42700 GHz      | 2.42700 GHz   |
| Span            | 30.000 MHz       | 30.000 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz  |
| SweepPoints     | 20000            | ~ 20000       |
| SweepTime       | 4.424 ms         | AUTO          |
| Reference Level | 10.000 dBm       | 10.000 dBm    |
| Attenuation     | 30.000 dB        | AUTO          |
| Detector        | RMS              | RMS           |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Average Power    | Average Power |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Occupied Channel Bandwidth 99% (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

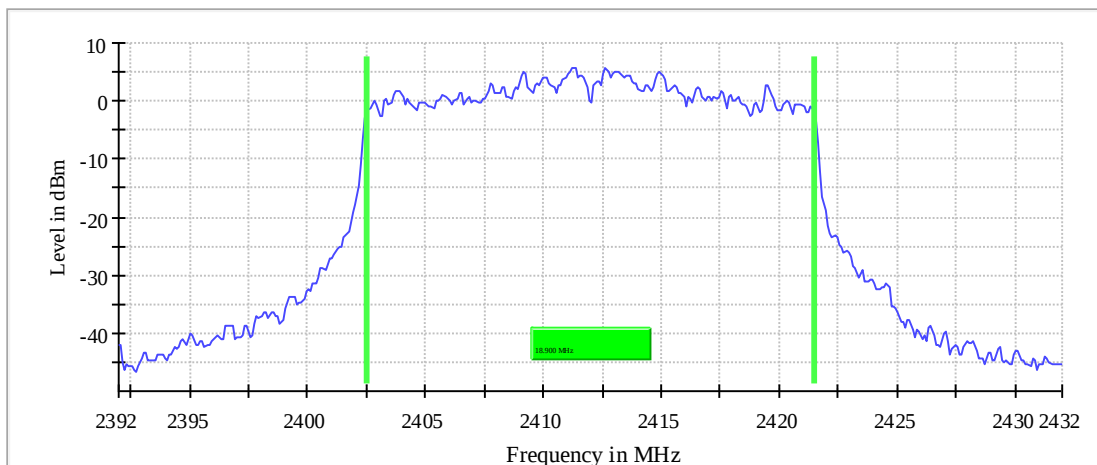
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 18.900000       | ---             | ---             | 2402.550000          | 2421.450000           |

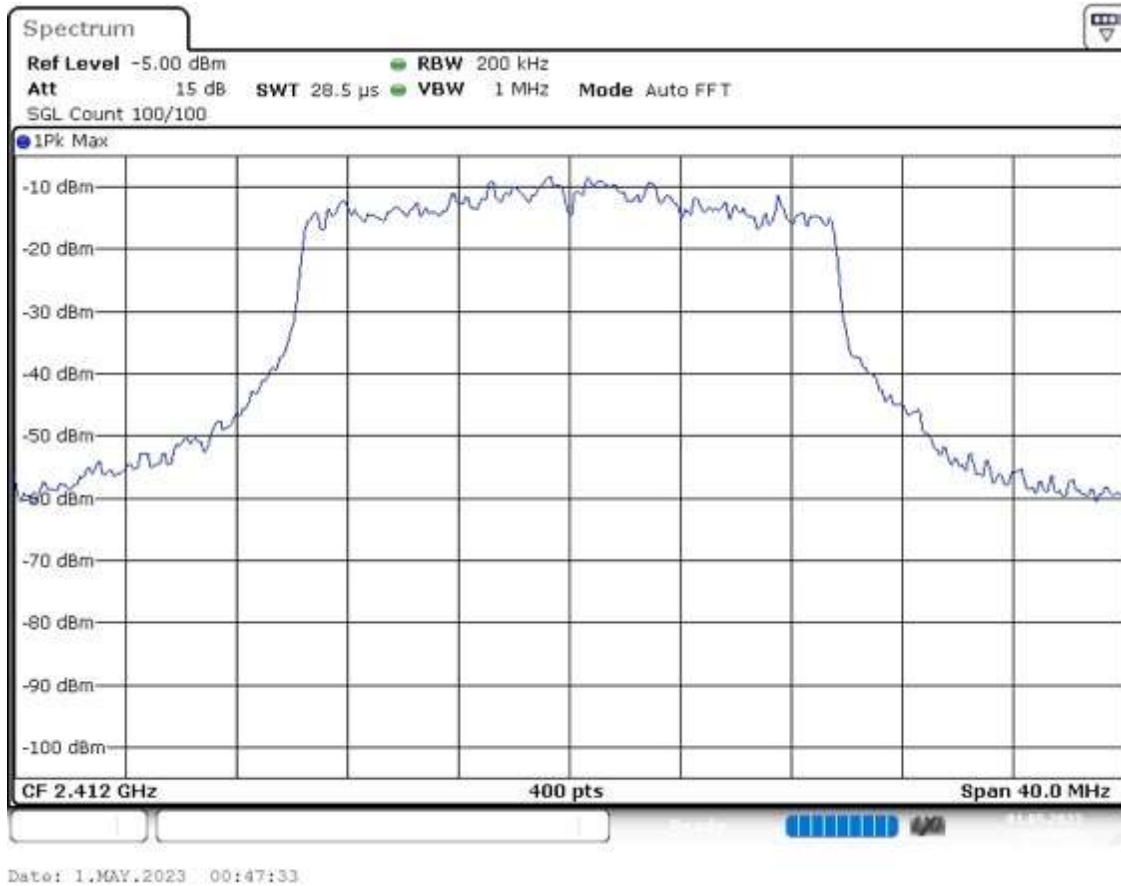
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

99 % Bandwidth



Bandwidth



## Measurement

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz        |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 200.000 kHz      | $\geq 200.000$ kHz |
| VBW             | 1.000 MHz        | $\geq 600.000$ kHz |
| SweepPoints     | 400              | $\sim 400$         |
| SweepTime       | 28.477 $\mu$ s   | AUTO               |
| Reference Level | -5.000 dBm       | -5.000 dBm         |
| Attenuation     | 15.000 dB        | AUTO               |
| Detector        | MaxPeak          | MaxPeak            |
| SweepCount      | 100              | 100                |
| Filter          | 3 dB             | 3 dB               |
| Trace Mode      | Max Hold         | Max Hold           |
| SweepType       | FFT              | AUTO               |
| Preamp          | off              | off                |

## Tx Spurious Emission (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

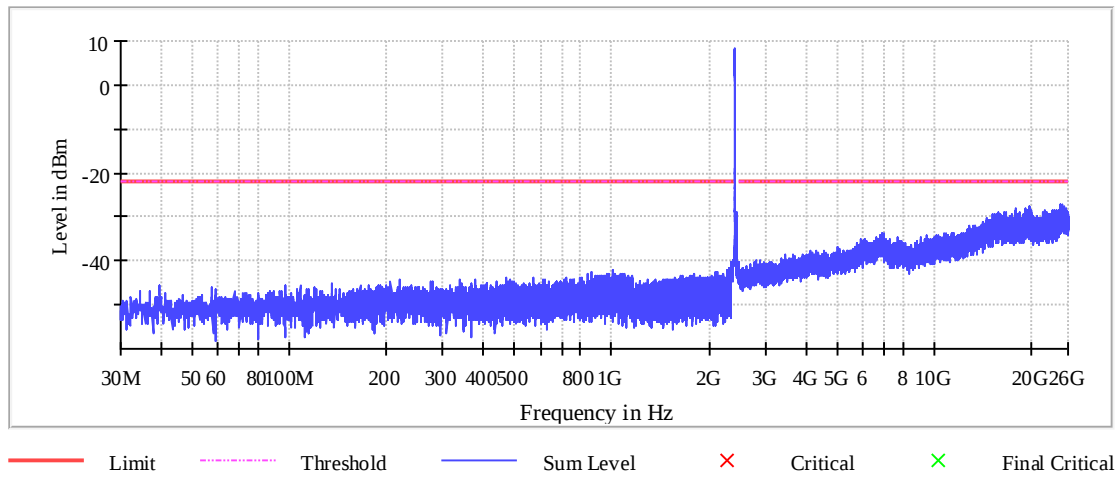
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 24745.213470    | -27.1       | 5.3         | -21.8       |
| 25025.198048    | -27.2       | 5.3         | -21.8       |
| 24699.651675    | -27.3       | 5.5         | -21.8       |
| 2399.925000     | -27.4       | 5.6         | -21.8       |
| 2399.975000     | -27.5       | 5.7         | -21.8       |
| 24678.340513    | -27.6       | 5.8         | -21.8       |
| 25013.440166    | -27.6       | 5.8         | -21.8       |
| 25339.721407    | -27.7       | 5.9         | -21.8       |
| 24792.979868    | -27.7       | 5.9         | -21.8       |
| 19819.395542    | -27.8       | 5.9         | -21.8       |
| 24695.977337    | -27.8       | 6.0         | -21.8       |
| 19811.311998    | -27.8       | 6.0         | -21.8       |
| 25082.517726    | -27.8       | 6.0         | -21.8       |
| 25091.336138    | -27.8       | 6.0         | -21.8       |
| 19814.251469    | -28.0       | 6.2         | -21.8       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Pre Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 32001            | ~ 46400        |
| SweepTime       | 32.100 ms        | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 3                | 3              |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 2670             | ~ 2670         |
| SweepTime       | 151.563 $\mu$ s  | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 300              | 300            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

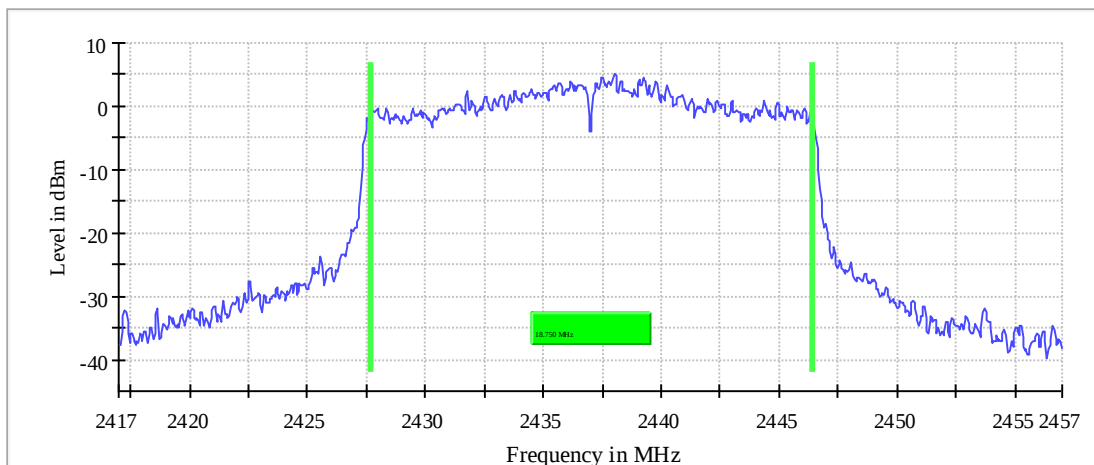
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 18.750000       | 0.500000        | ---             | 2427.675000          | 2446.425000           |

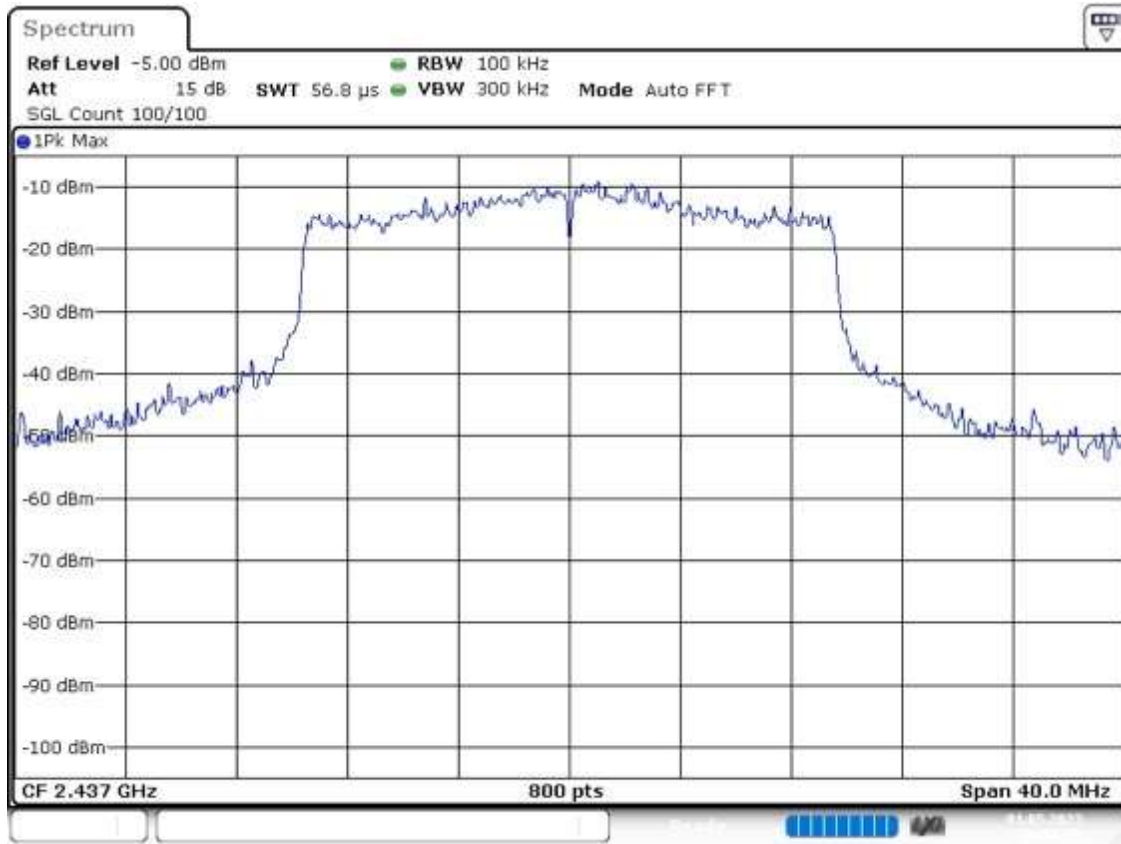
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 5.0             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 00:58:37

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

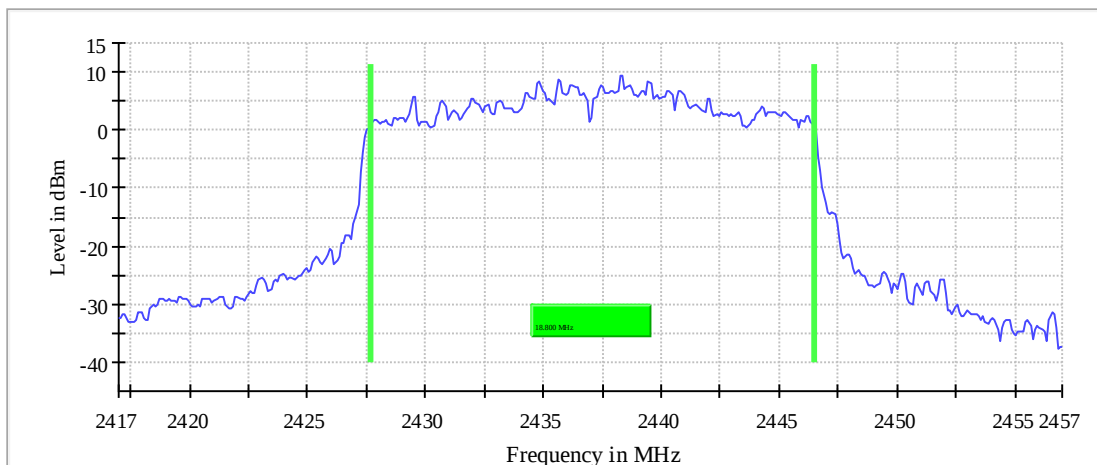
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 18.800000       | ---             | ---             | 2427.650000          | 2446.450000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 01:01:15

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

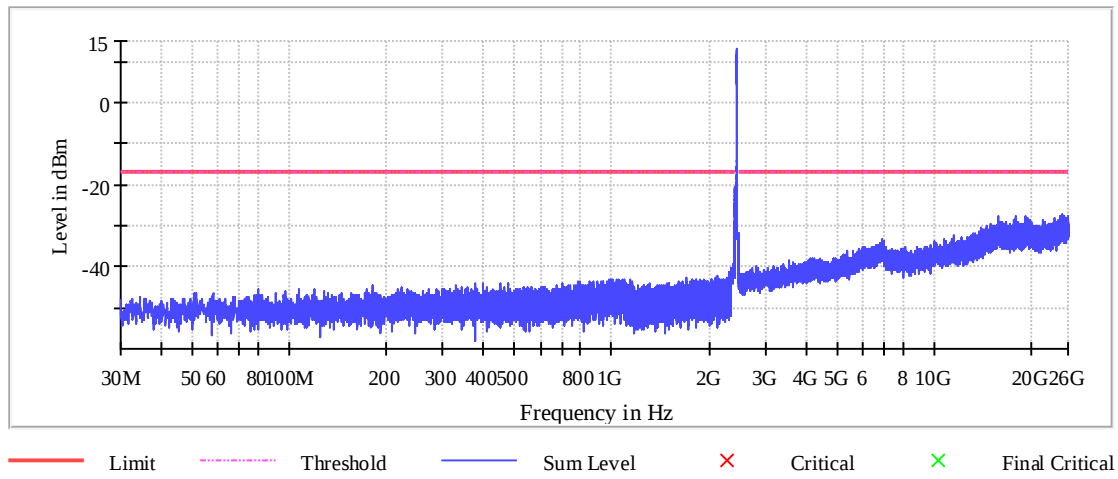
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25047.244078    | -27.2       | 10.2        | -17.0       |
| 25046.509211    | -27.5       | 10.5        | -17.0       |
| 17811.737094    | -27.6       | 10.6        | -17.0       |
| 19082.323279    | -27.7       | 10.7        | -17.0       |
| 25843.840622    | -27.7       | 10.7        | -17.0       |
| 24444.652597    | -27.7       | 10.7        | -17.0       |
| 15825.389808    | -27.8       | 10.8        | -17.0       |
| 25044.304608    | -27.9       | 10.8        | -17.0       |
| 24459.349950    | -27.9       | 10.8        | -17.0       |
| 25269.174112    | -27.9       | 10.8        | -17.0       |
| 25587.371809    | -28.0       | 11.0        | -17.0       |
| 19441.673565    | -28.0       | 11.0        | -17.0       |
| 25130.284124    | -28.0       | 11.0        | -17.0       |
| 25480.081130    | -28.0       | 11.0        | -17.0       |
| 24767.994367    | -28.1       | 11.0        | -17.0       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

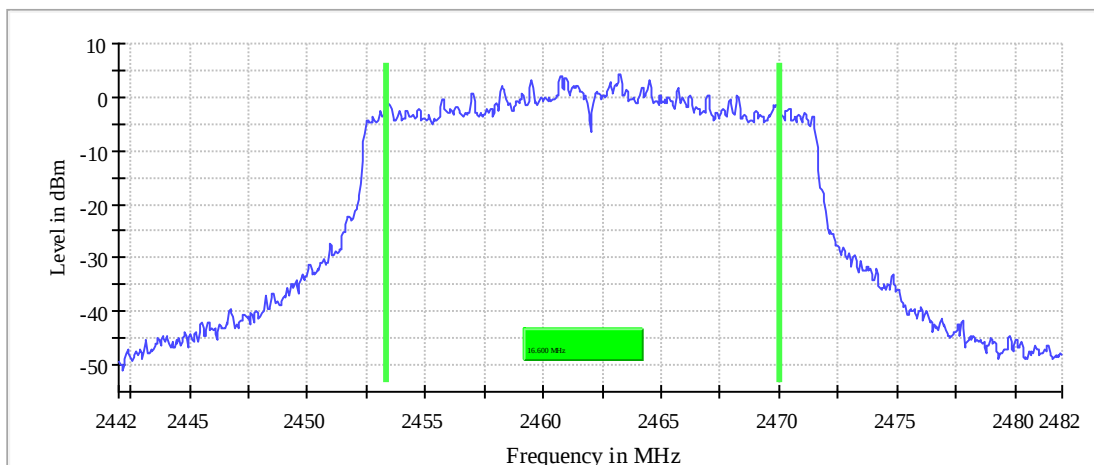
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 16.600000       | 0.500000        | ---             | 2453.375000          | 2469.975000           |

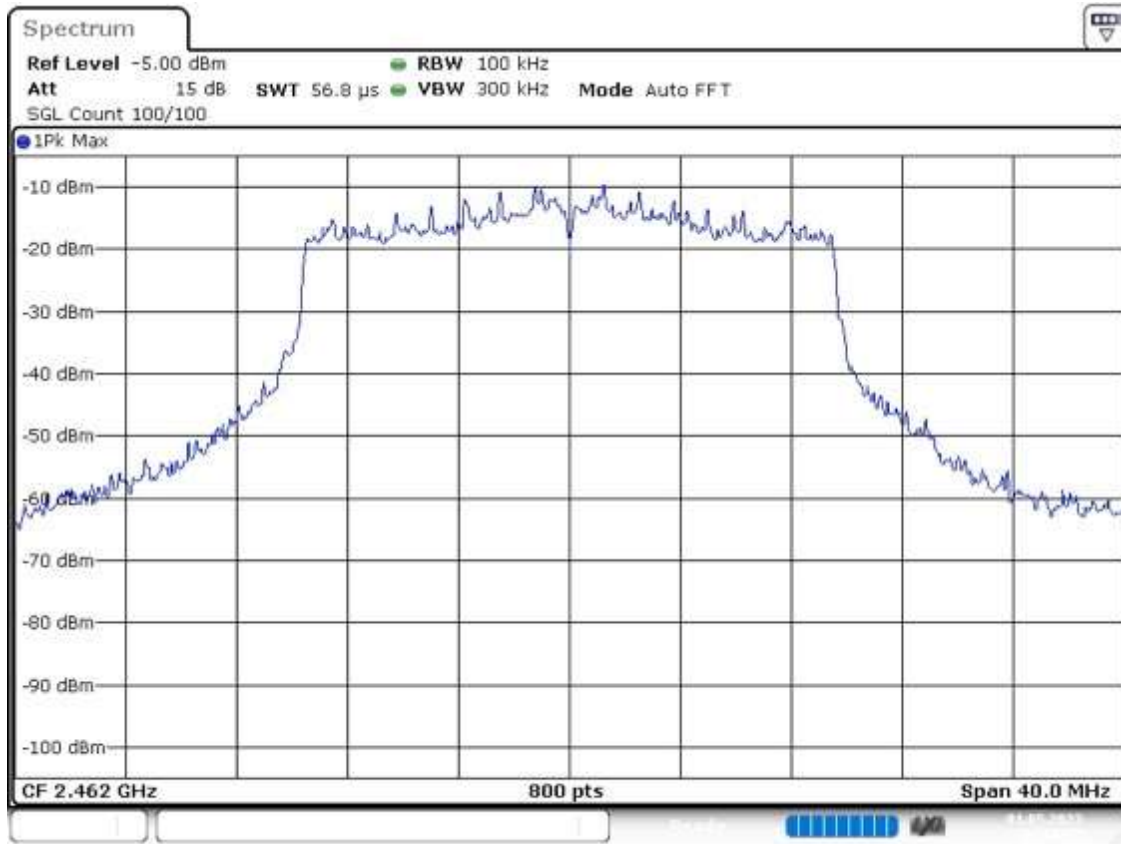
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 4.3             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 01:16:37

## Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

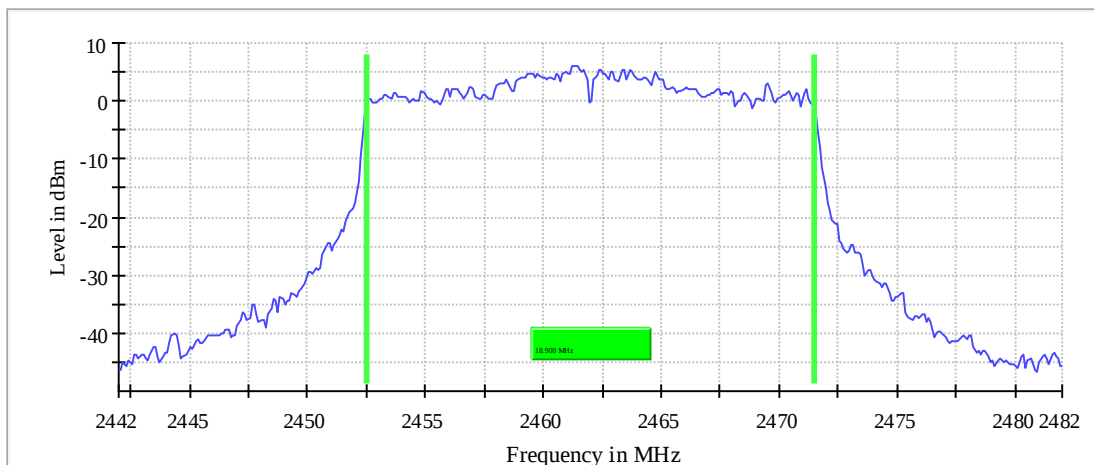
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 18.900000       | ---             | ---             | 2452.550000          | 2471.450000           |

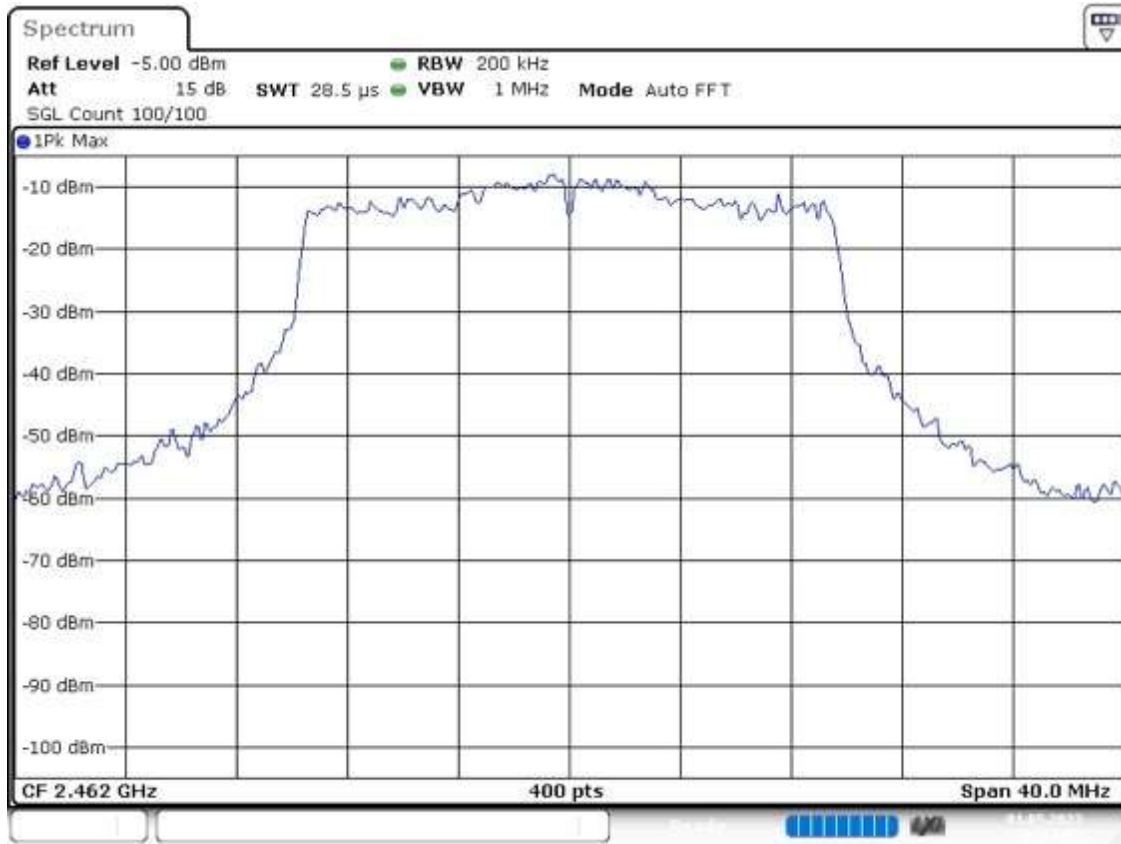
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 01:17:32

## Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

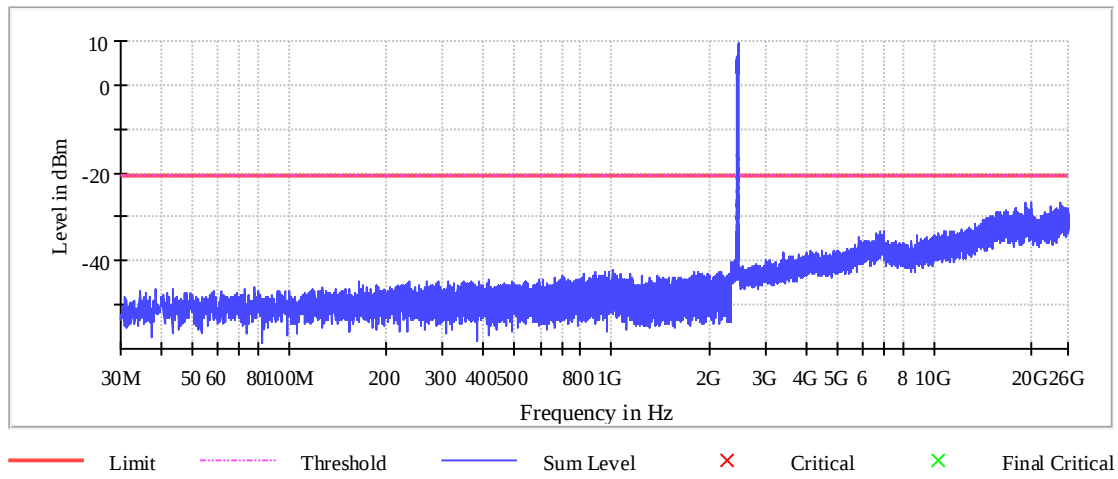
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 19103.634441    | -26.8       | 6.2         | -20.6       |
| 24739.334529    | -26.9       | 6.3         | -20.6       |
| 19873.775749    | -27.0       | 6.3         | -20.6       |
| 25108.972962    | -27.6       | 7.0         | -20.6       |
| 25055.327623    | -27.6       | 7.0         | -20.6       |
| 22891.877230    | -27.6       | 7.0         | -20.6       |
| 24791.510132    | -27.9       | 7.3         | -20.6       |
| 25117.056506    | -27.9       | 7.3         | -20.6       |
| 24717.288499    | -27.9       | 7.3         | -20.6       |
| 24437.303920    | -27.9       | 7.3         | -20.6       |
| 19360.838122    | -27.9       | 7.3         | -20.6       |
| 25845.310357    | -27.9       | 7.3         | -20.6       |
| 25047.244078    | -28.0       | 7.4         | -20.6       |
| 25062.676299    | -28.0       | 7.4         | -20.6       |
| 25543.279749    | -28.0       | 7.4         | -20.6       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

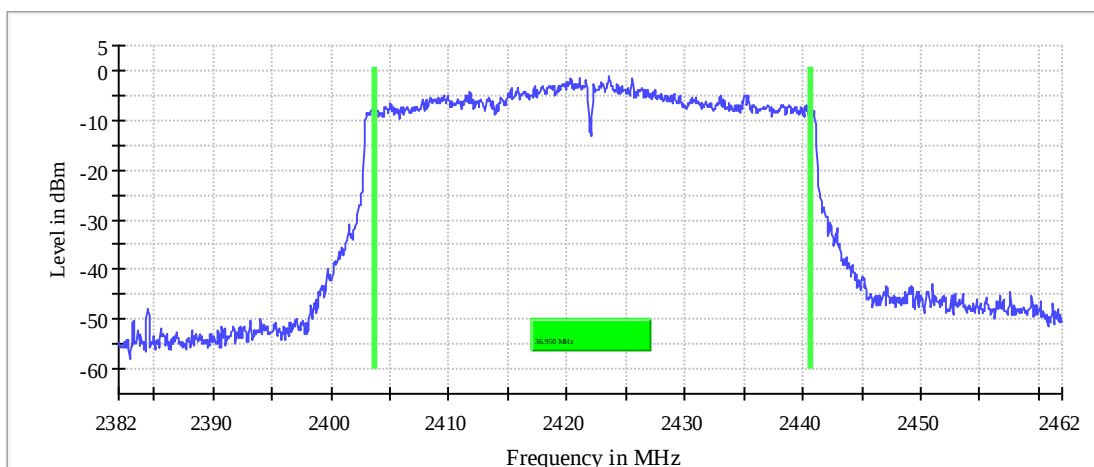
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000         | 36.950000       | 0.500000        | ---             | 2403.675000          | 2440.625000           |

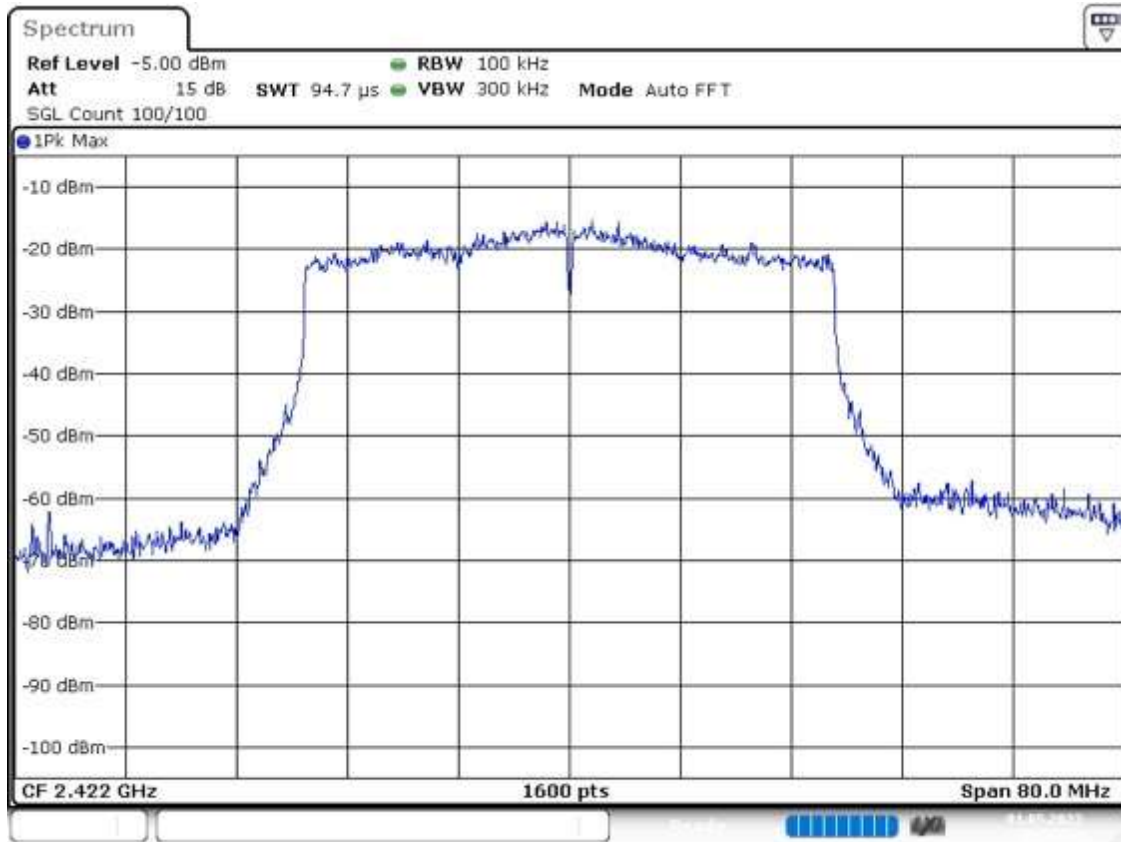
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2422.000000         | -1.4            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 01:21:13

## Occupied Channel Bandwidth 99% (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

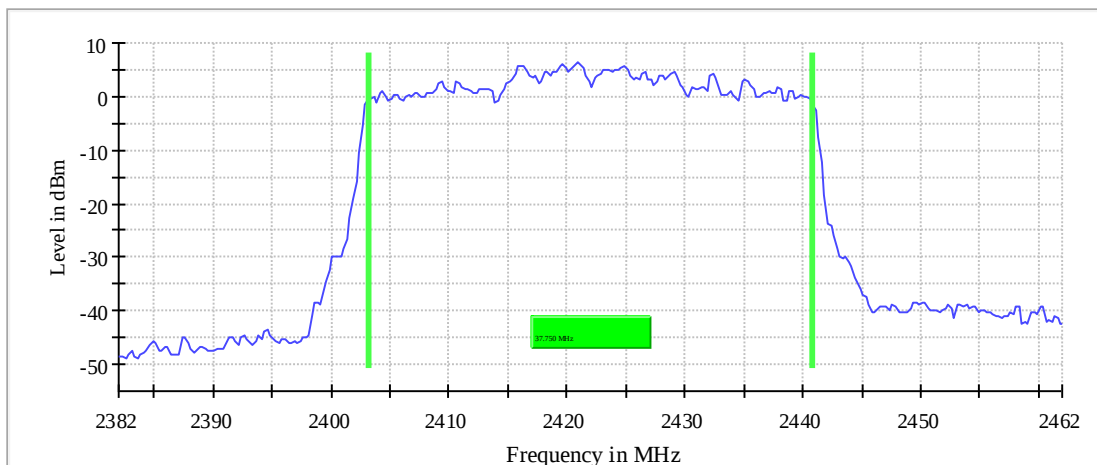
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000         | 37.750000       | ---             | ---             | 2403.125000          | 2440.875000           |

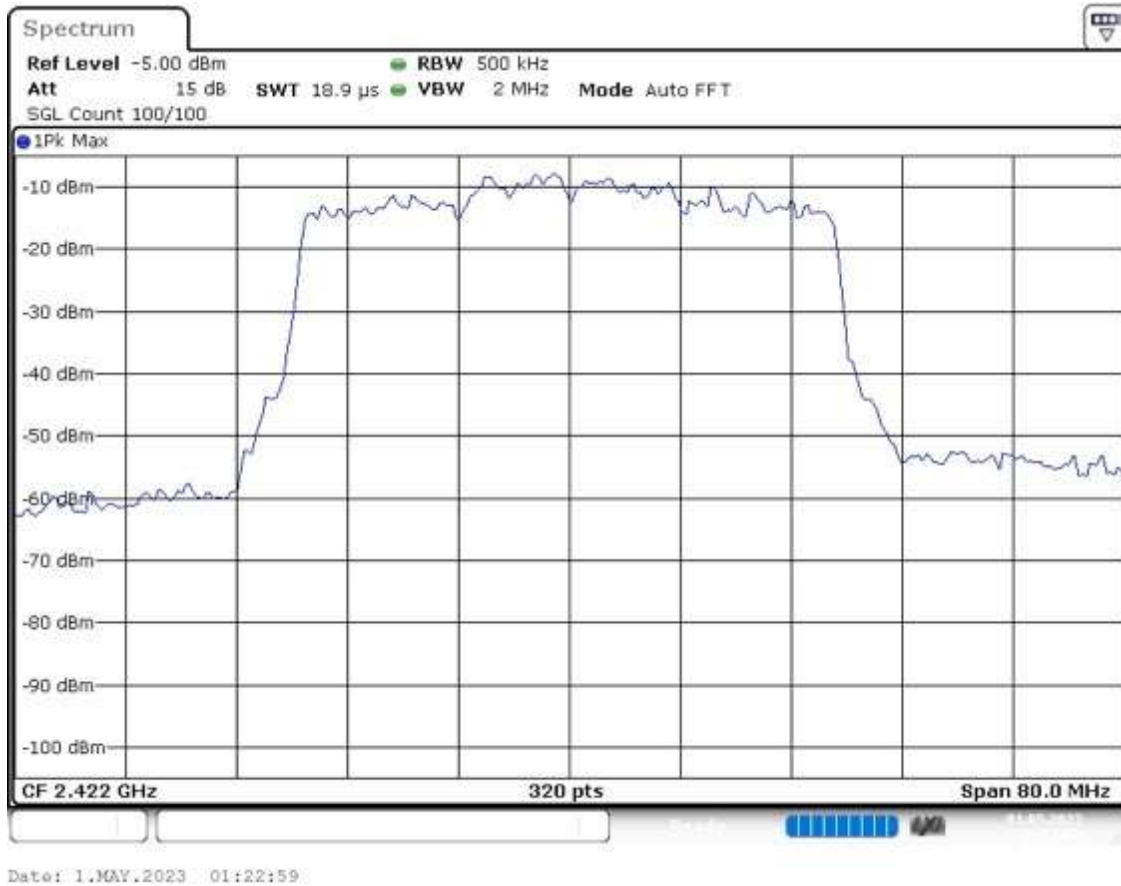
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

99 % Bandwidth



Bandwidth



## Tx Spurious Emission (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

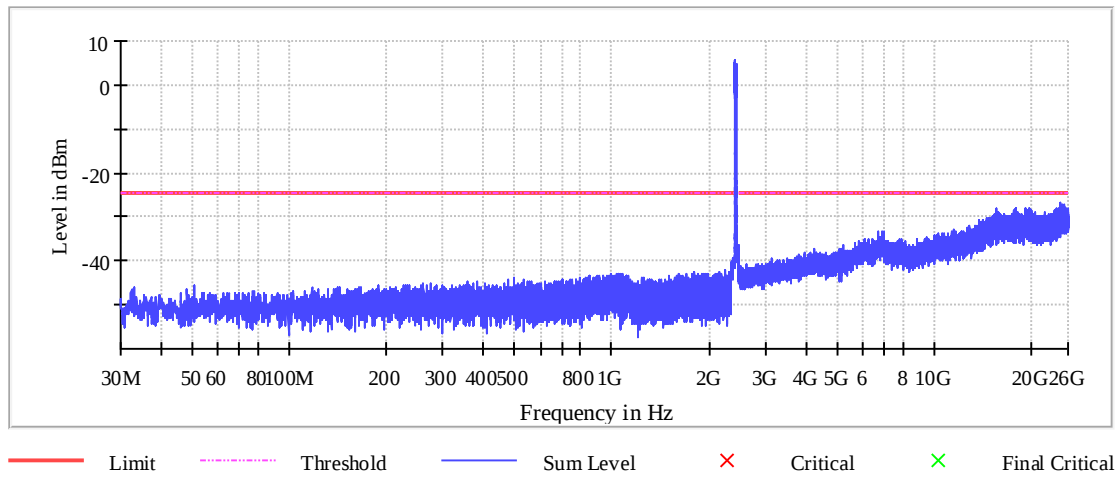
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 24739.334529    | -26.8       | 2.4         | -24.4       |
| 25275.787921    | -27.0       | 2.7         | -24.4       |
| 25095.745344    | -27.1       | 2.8         | -24.4       |
| 24718.758234    | -27.6       | 3.3         | -24.4       |
| 25123.670315    | -27.6       | 3.3         | -24.4       |
| 25131.753859    | -27.8       | 3.5         | -24.4       |
| 17803.653550    | -27.8       | 3.5         | -24.4       |
| 19818.660675    | -27.9       | 3.5         | -24.4       |
| 25127.344653    | -27.9       | 3.5         | -24.4       |
| 25821.794592    | -27.9       | 3.6         | -24.4       |
| 19828.213954    | -28.0       | 3.6         | -24.4       |
| 24989.924401    | -28.0       | 3.6         | -24.4       |
| 25765.944650    | -28.0       | 3.7         | -24.4       |
| 25211.854434    | -28.0       | 3.7         | -24.4       |
| 19077.179205    | -28.1       | 3.7         | -24.4       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

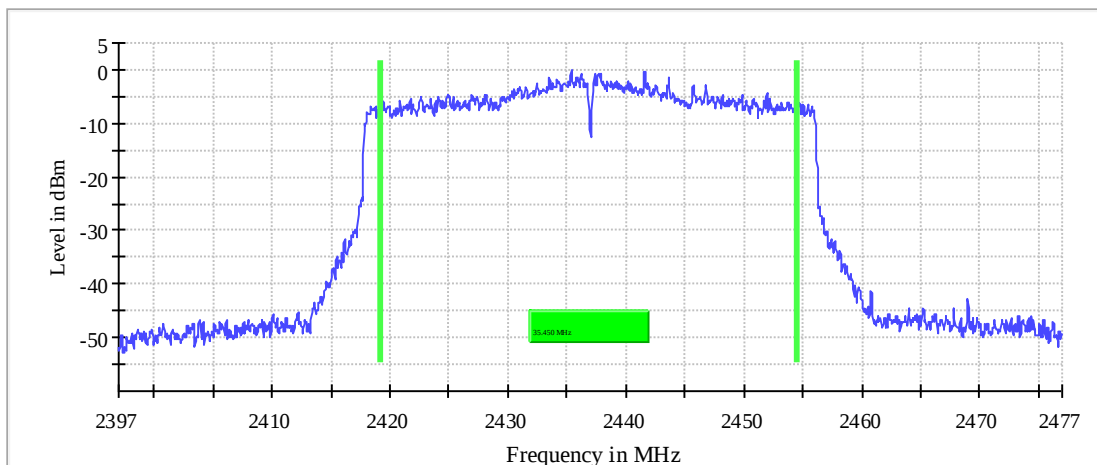
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 35.450000       | 0.500000        | ---             | 2419.125000          | 2454.575000           |

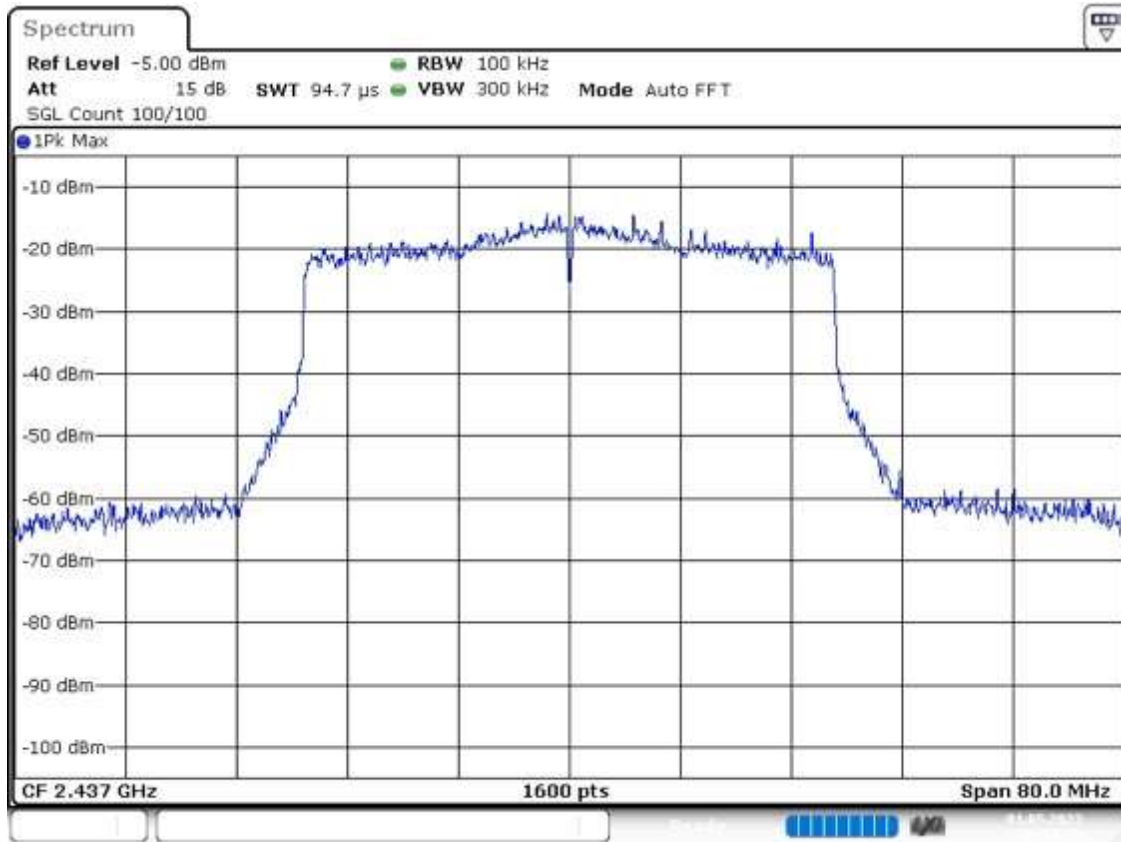
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | -0.2            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 01:28:11

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

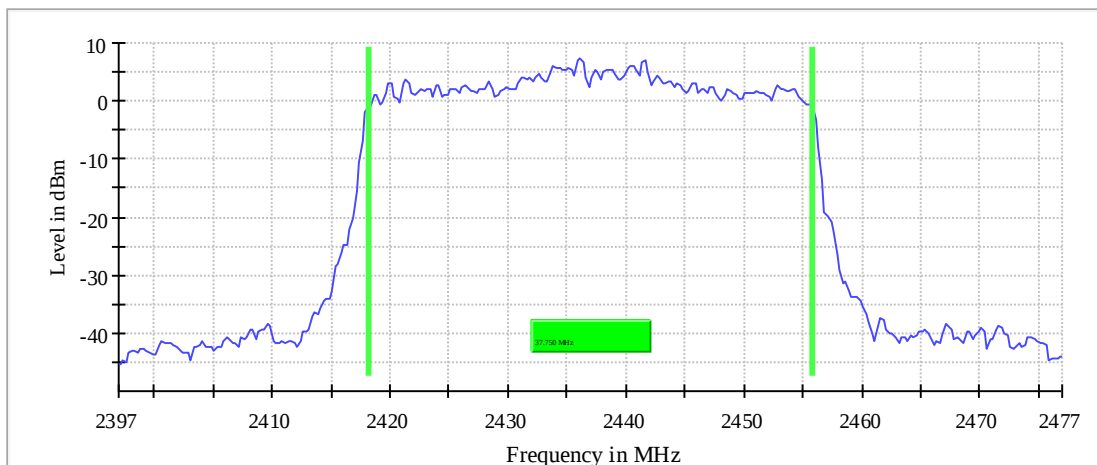
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 37.750000       | ---             | ---             | 2418.125000          | 2455.875000           |

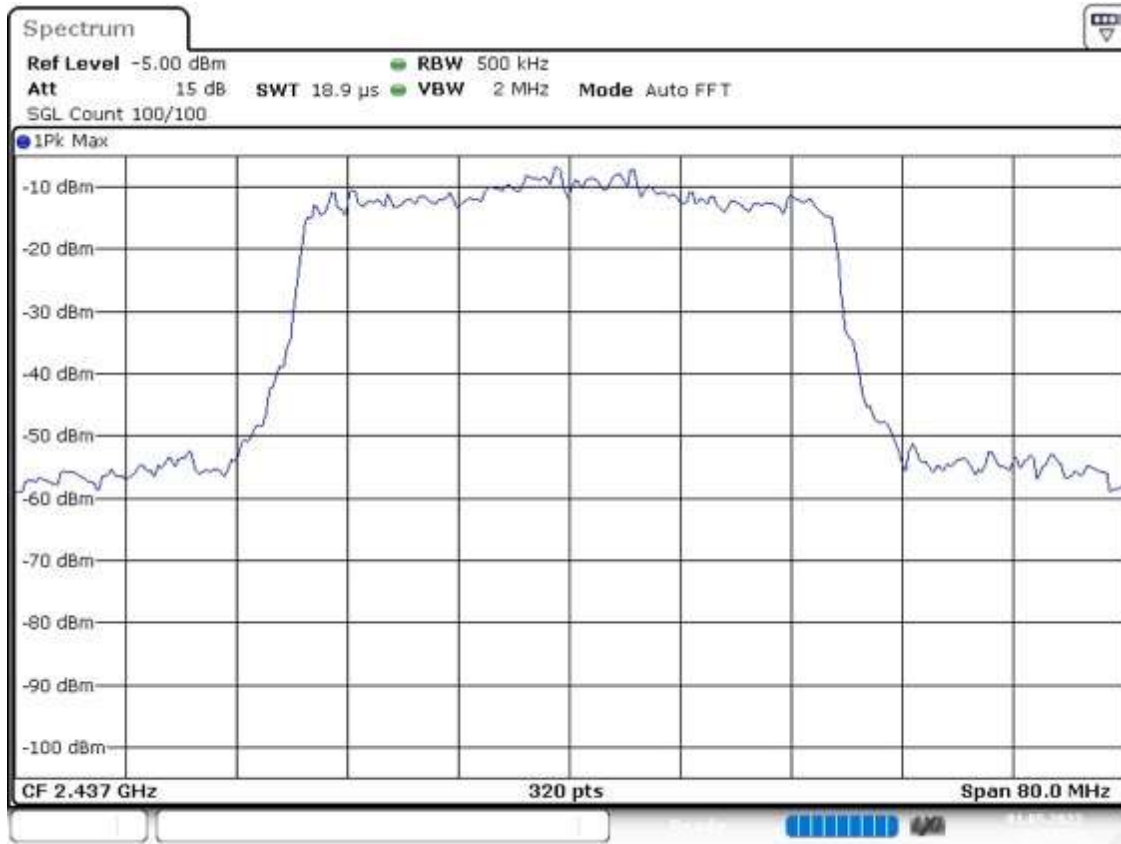
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 01:29:24

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

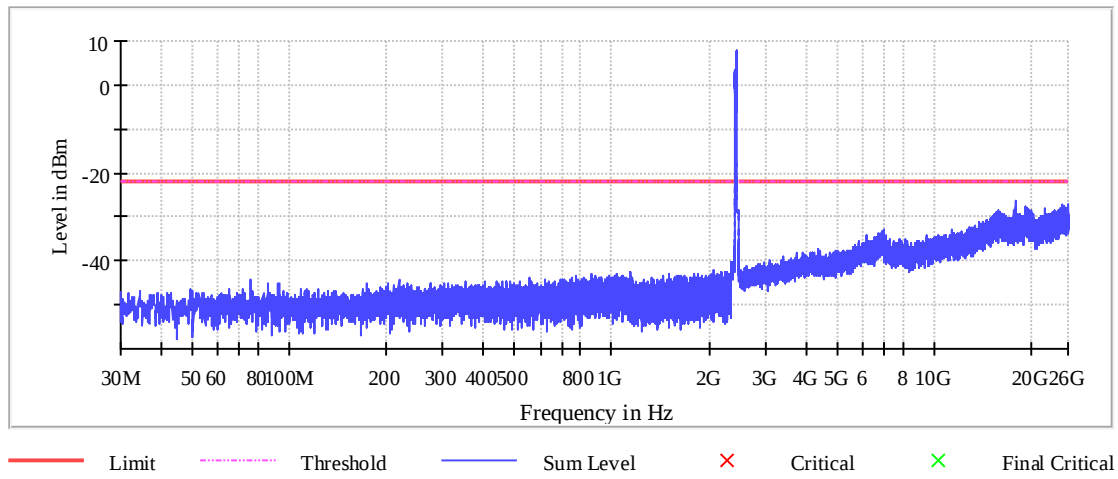
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 17790.425932    | -26.2       | 4.1         | -22.0       |
| 25873.970196    | -27.0       | 5.0         | -22.0       |
| 25109.707829    | -27.3       | 5.2         | -22.0       |
| 25904.834638    | -27.4       | 5.3         | -22.0       |
| 25904.099770    | -27.5       | 5.5         | -22.0       |
| 17797.774609    | -27.5       | 5.5         | -22.0       |
| 25346.335216    | -27.6       | 5.6         | -22.0       |
| 19112.452853    | -27.7       | 5.7         | -22.0       |
| 25126.609786    | -27.8       | 5.8         | -22.0       |
| 25042.834872    | -27.9       | 5.8         | -22.0       |
| 17793.365403    | -27.9       | 5.9         | -22.0       |
| 25559.446838    | -28.0       | 5.9         | -22.0       |
| 25097.949947    | -28.0       | 5.9         | -22.0       |
| 25811.506445    | -28.0       | 5.9         | -22.0       |
| 19424.036741    | -28.0       | 6.0         | -22.0       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

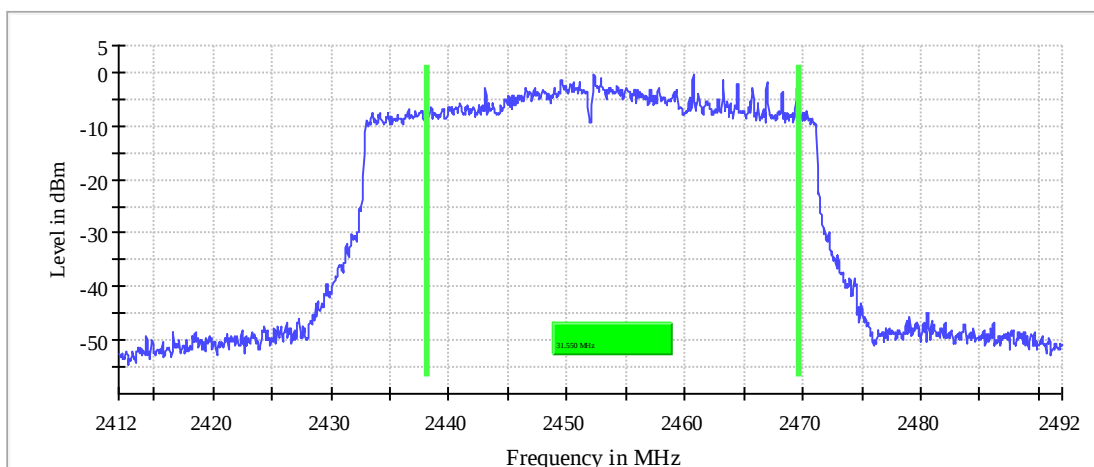
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000         | 31.550000       | 0.500000        | ---             | 2438.075000          | 2469.625000           |

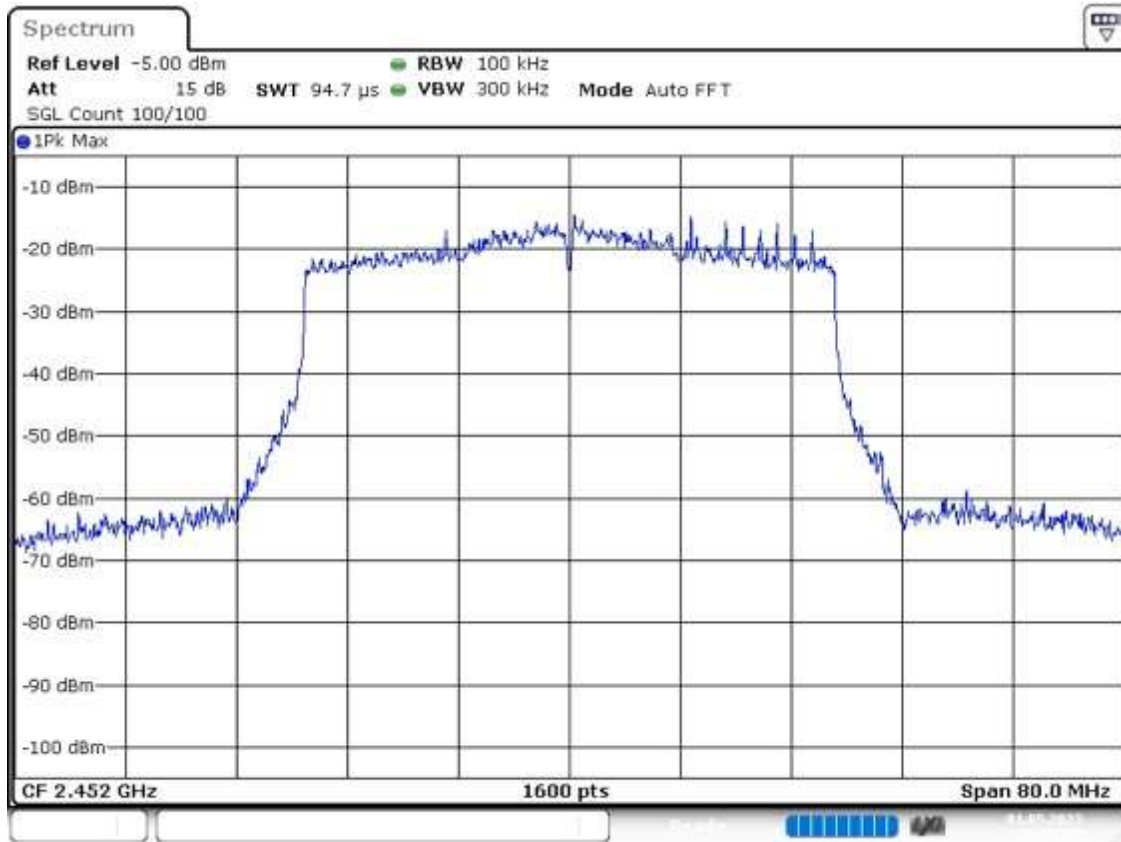
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2452.000000         | -0.5            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 01:31:58

## Occupied Channel Bandwidth 99% (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

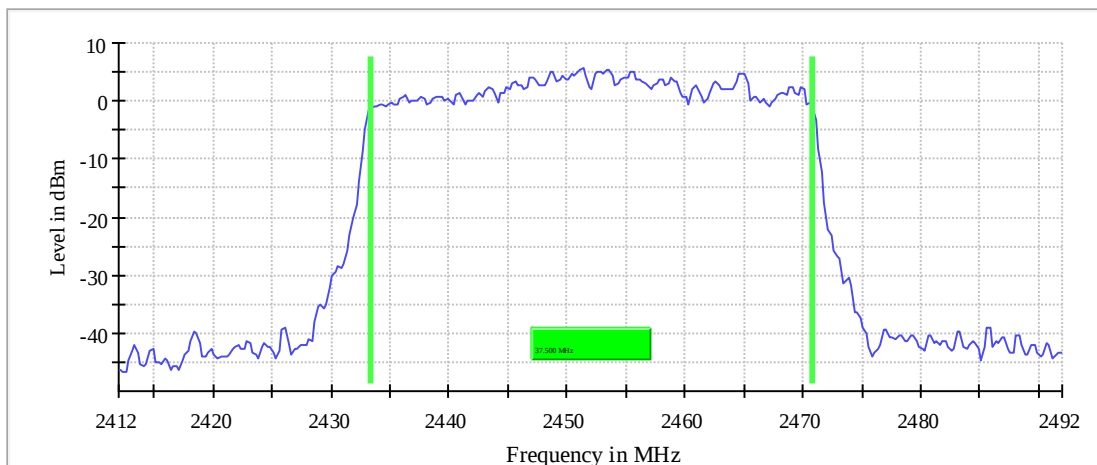
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000         | 37.500000       | ---             | ---             | 2433.375000          | 2470.875000           |

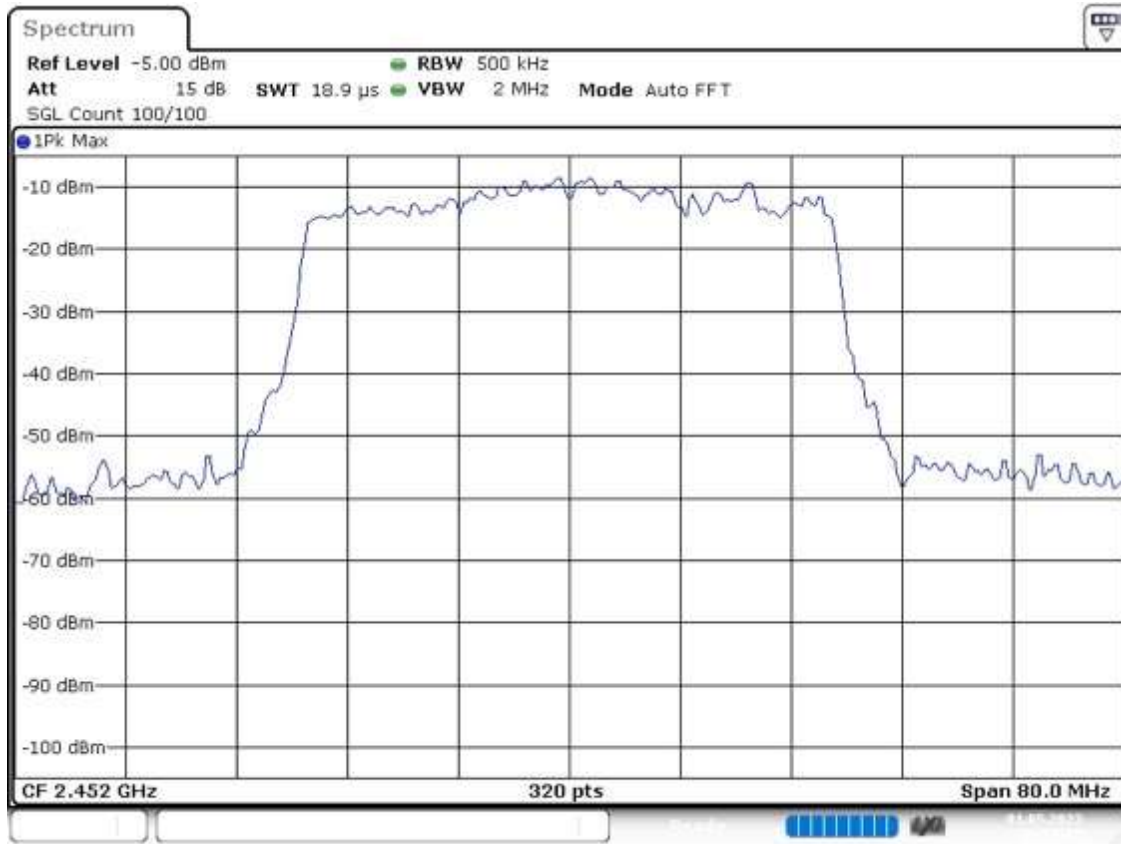
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 01:33:48

## Tx Spurious Emission (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

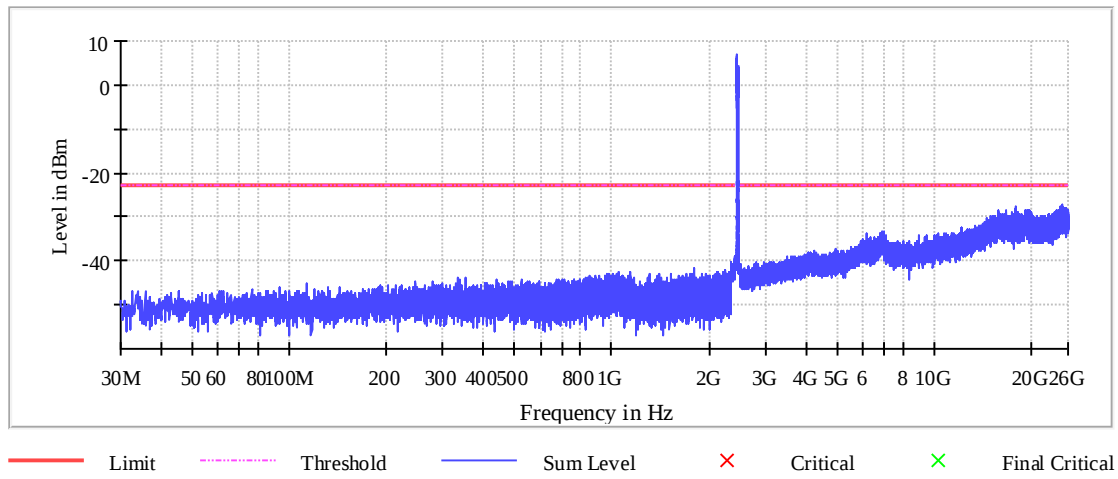
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25061.941432    | -27.3       | 4.3         | -23.0       |
| 25075.169049    | -27.6       | 4.7         | -23.0       |
| 24961.264562    | -27.7       | 4.7         | -23.0       |
| 17820.555506    | -27.8       | 4.8         | -23.0       |
| 24765.789764    | -27.8       | 4.8         | -23.0       |
| 24790.775265    | -27.9       | 4.9         | -23.0       |
| 25078.108520    | -27.9       | 4.9         | -23.0       |
| 24699.651675    | -27.9       | 4.9         | -23.0       |
| 25062.676299    | -27.9       | 5.0         | -23.0       |
| 17797.774609    | -27.9       | 5.0         | -23.0       |
| 24964.938900    | -28.0       | 5.0         | -23.0       |
| 17794.100270    | -28.0       | 5.0         | -23.0       |
| 25480.815998    | -28.0       | 5.0         | -23.0       |
| 25553.567896    | -28.0       | 5.0         | -23.0       |
| 25180.255125    | -28.0       | 5.0         | -23.0       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## 2.2 b Mode

### Summary

| Test                            | Frequency (MHz) | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result |
|---------------------------------|-----------------|---------------------|-------------------------|--------|
| RF output power                 | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2412.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density          | 2412.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2412.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2462.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2462.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2462.000        | 24.0                | 20.000000               | PASS   |

### RF output power (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 23.4            | 30.0            | 23.4             | 60.163        | PASS   |

### OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

## Minimum Emission Bandwidth 6 dB (2412 MHz; 24.000 dBm; 20 MHz)

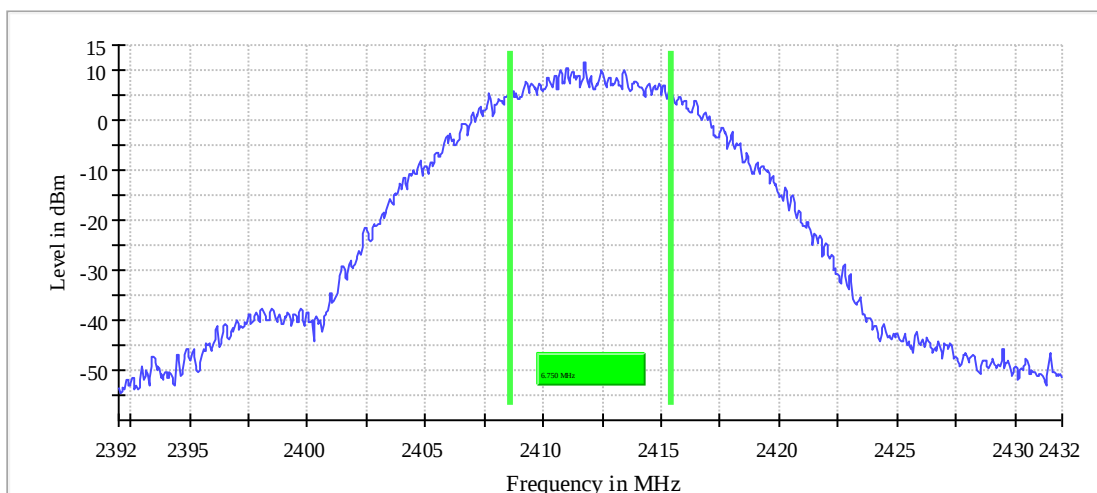
Customized settings.

### 6 dB Bandwidth

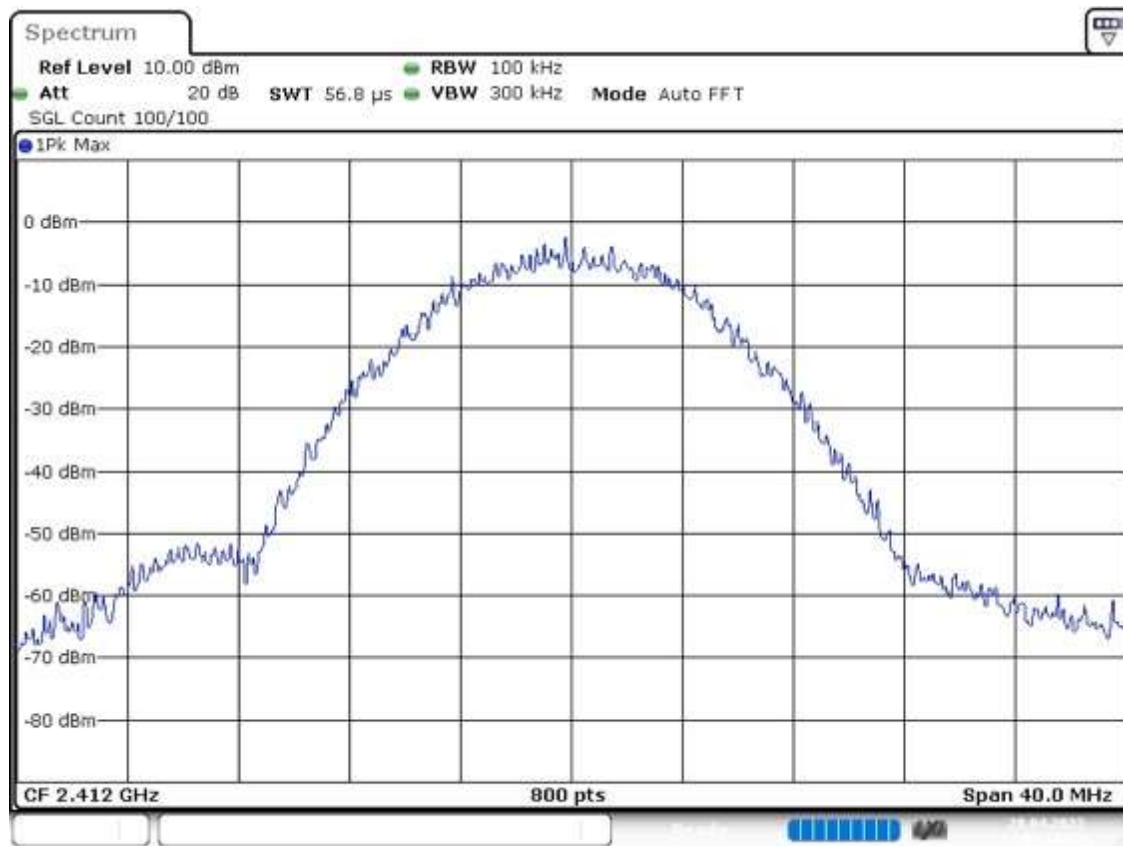
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 6.750000        | 0.500000        | ---             | 2408.625000          | 2415.375000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 11.7            | PASS   |



Bandwidth



Date: 26.APR.2023 02:16:13

## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz   |
| Span            | 40.000 MHz       | 40.000 MHz    |
| RBW             | 100.000 kHz      | ~ 100.000 kHz |
| VBW             | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints     | 800              | ~ 800         |
| SweepTime       | 56.836 $\mu$ s   | AUTO          |
| Reference Level | 10.000 dBm       | AUTO          |
| Attenuation     | 20.000 dB        | 20.000 dB     |
| Detector        | MaxPeak          | MaxPeak       |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Max Hold         | Max Hold      |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Power Spectral Density (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

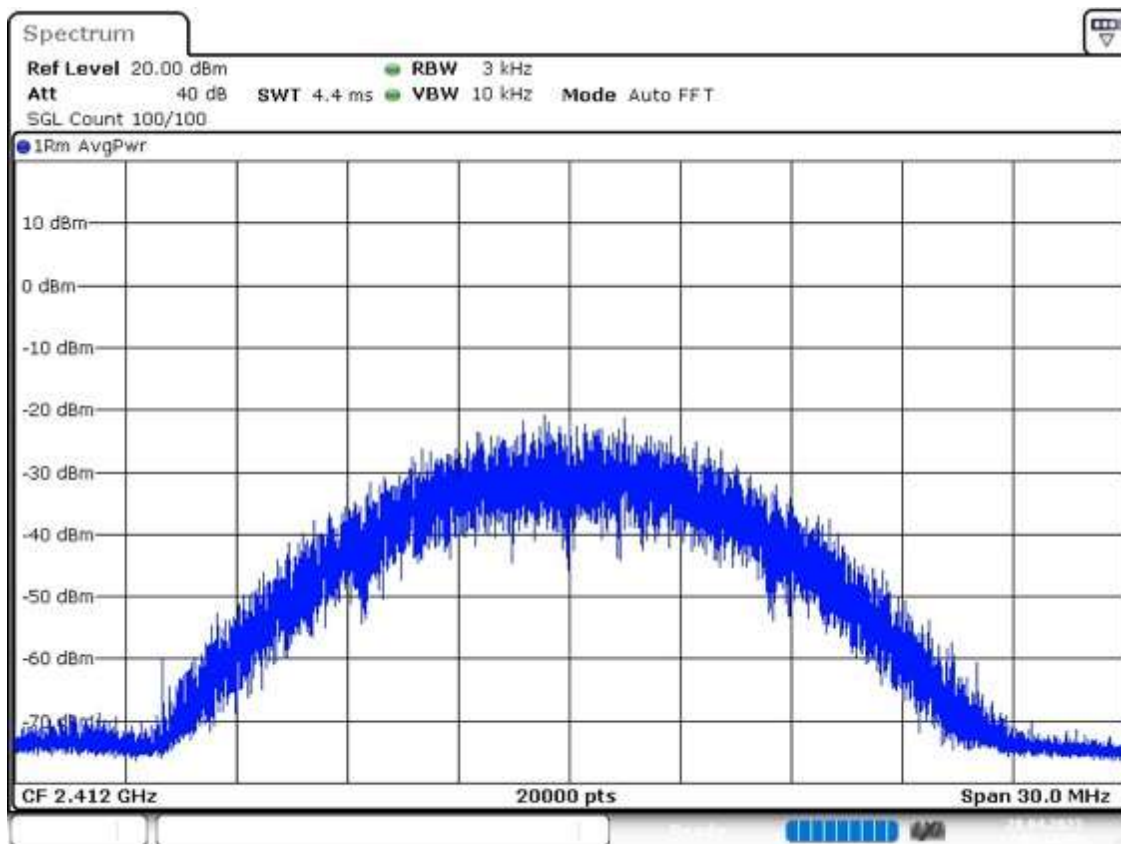
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2411.330250     | -4.169    | 8.0             | PASS   |

### Ports

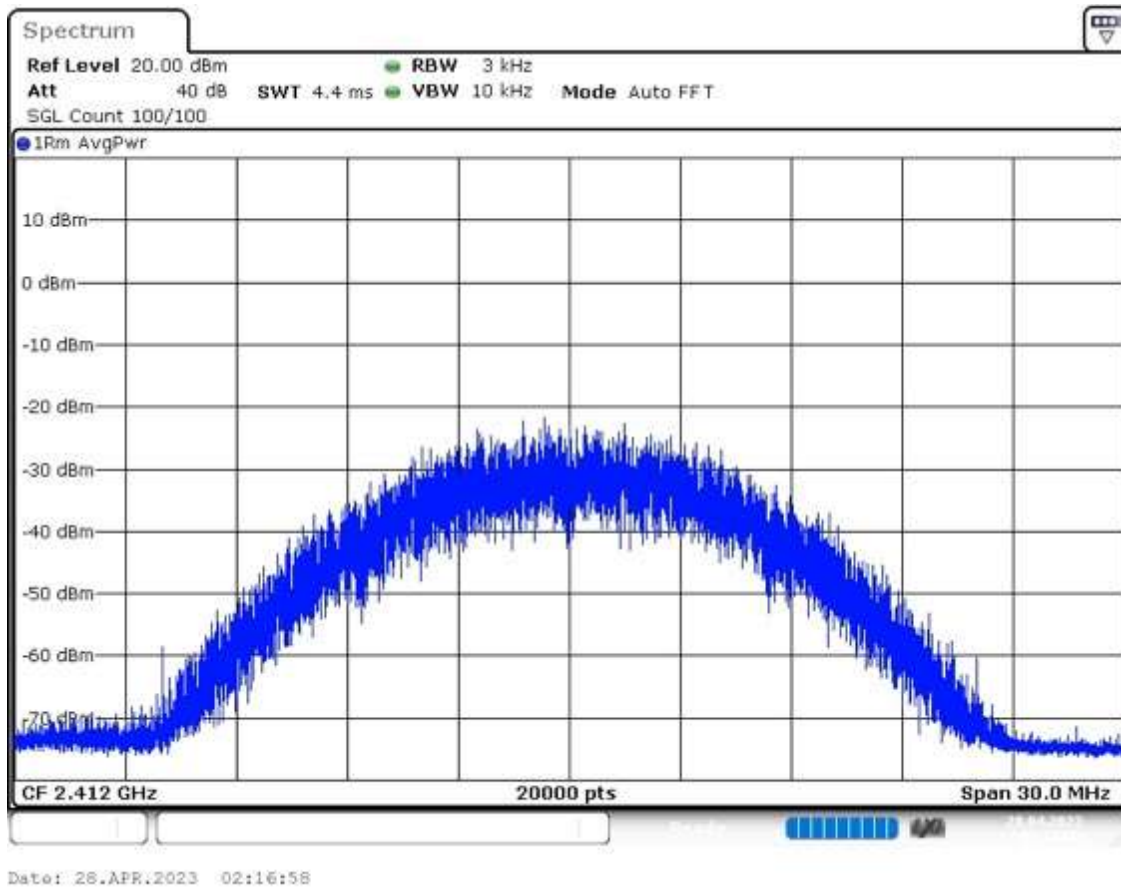
| Port | State |
|------|-------|
| 1    | used  |
| 2    | used  |

PSD Connector 1



Date: 28.APR.2023 02:16:38

PSD Connector 2



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency  | 2.42700 GHz      | 2.42700 GHz   |
| Span            | 30.000 MHz       | 30.000 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz  |
| SweepPoints     | 20000            | ~ 20000       |
| SweepTime       | 4.424 ms         | AUTO          |
| Reference Level | 20.000 dBm       | 20.000 dBm    |
| Attenuation     | 40.000 dB        | AUTO          |
| Detector        | RMS              | RMS           |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Average Power    | Average Power |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Occupied Channel Bandwidth 99% (2412 MHz; 24.000 dBm; 20 MHz)

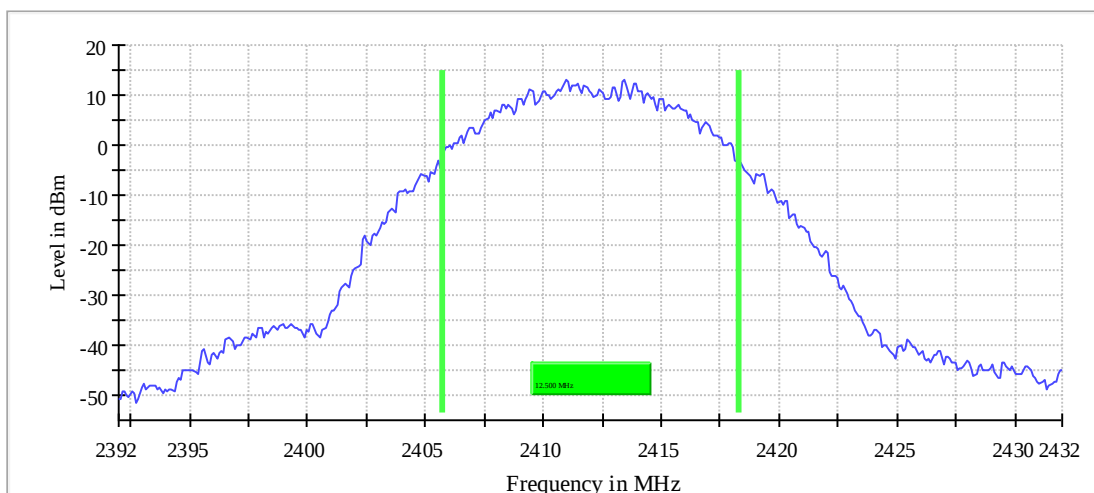
Customized settings.

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 12.500000       | ---             | ---             | 2405.750000          | 2418.250000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



Bandwidth



Date: 26.APR.2023 02:20:21

## Measurement

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz        |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 200.000 kHz      | $\geq 200.000$ kHz |
| VBW             | 1.000 MHz        | $\geq 600.000$ kHz |
| SweepPoints     | 400              | $\sim 400$         |
| SweepTime       | 28.477 $\mu$ s   | AUTO               |
| Reference Level | 10.000 dBm       | AUTO               |
| Attenuation     | 20.000 dB        | 20.000 dB          |
| Detector        | MaxPeak          | MaxPeak            |
| SweepCount      | 100              | 100                |
| Filter          | 3 dB             | 3 dB               |
| Trace Mode      | Max Hold         | Max Hold           |
| SweepType       | FFT              | AUTO               |
| Preamp          | off              | off                |

## Tx Spurious Emission (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

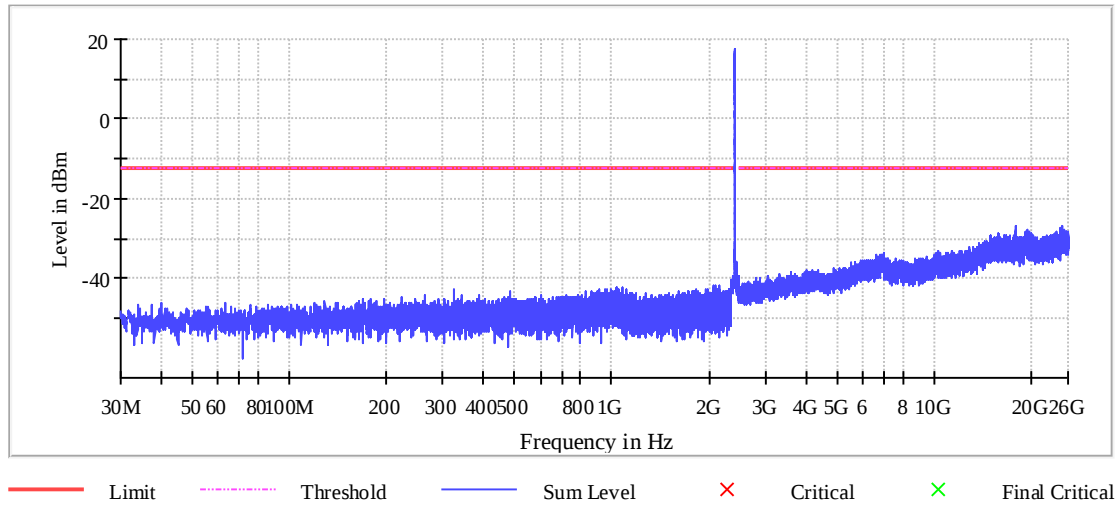
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 17818.350903    | -26.9       | 14.6        | -12.3       |
| 24826.048913    | -27.1       | 14.8        | -12.3       |
| 24764.320029    | -27.6       | 15.3        | -12.3       |
| 19467.393933    | -27.6       | 15.3        | -12.3       |
| 25183.929463    | -27.7       | 15.4        | -12.3       |
| 24712.144425    | -27.9       | 15.6        | -12.3       |
| 24986.250062    | -27.9       | 15.6        | -12.3       |
| 17838.192330    | -28.0       | 15.8        | -12.3       |
| 17812.471962    | -28.1       | 15.8        | -12.3       |
| 25051.653284    | -28.1       | 15.8        | -12.3       |
| 25549.893558    | -28.1       | 15.8        | -12.3       |
| 25089.131535    | -28.1       | 15.8        | -12.3       |
| 25892.341888    | -28.1       | 15.8        | -12.3       |
| 19822.335013    | -28.2       | 15.9        | -12.3       |
| 17827.904183    | -28.2       | 15.9        | -12.3       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |



## Pre Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 32001            | ~ 46400        |
| SweepTime       | 32.100 ms        | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 3                | 3              |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 2670             | ~ 2670         |
| SweepTime       | 151.563 $\mu$ s  | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 300              | 300            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 20 MHz)

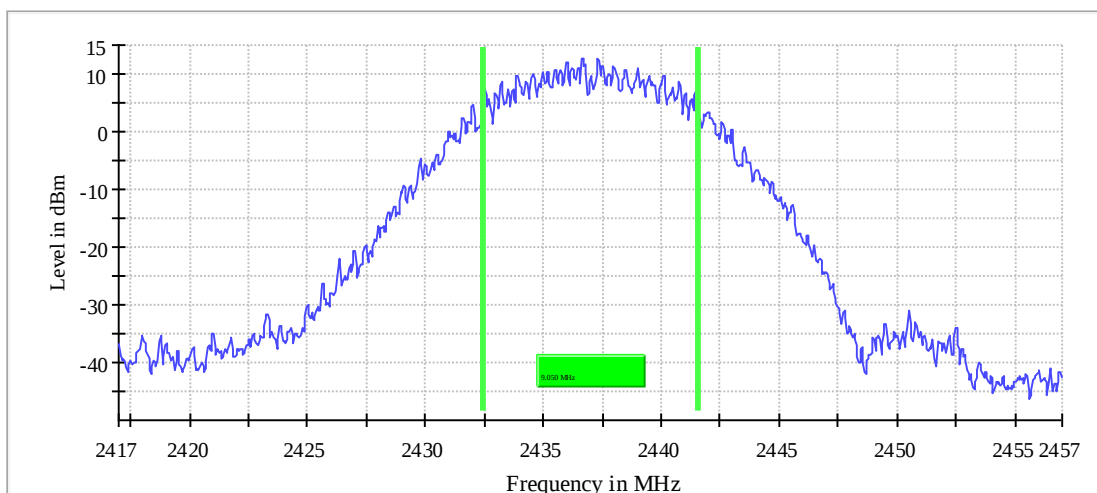
Customized settings.

### 6 dB Bandwidth

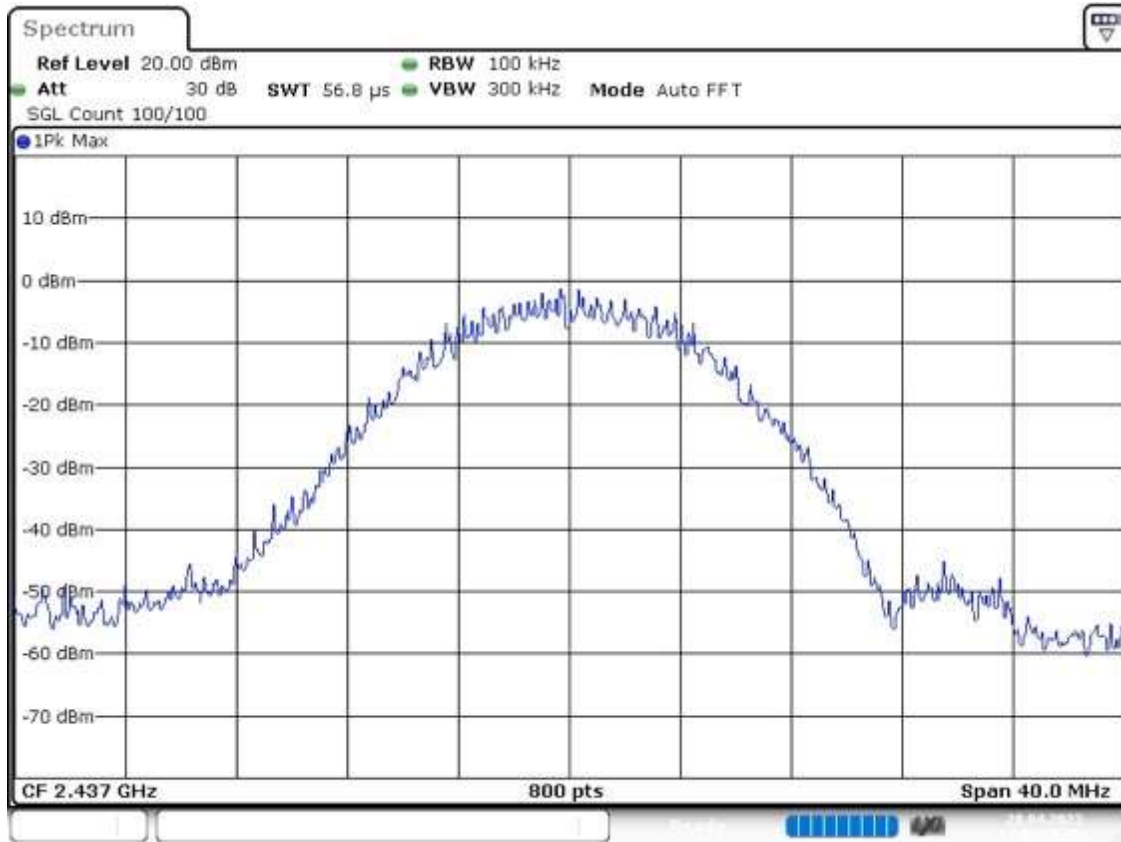
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 9.050000        | 0.500000        | ---             | 2432.475000          | 2441.525000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 12.7            | PASS   |



Bandwidth



Date: 26.APR.2023 02:33:28

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

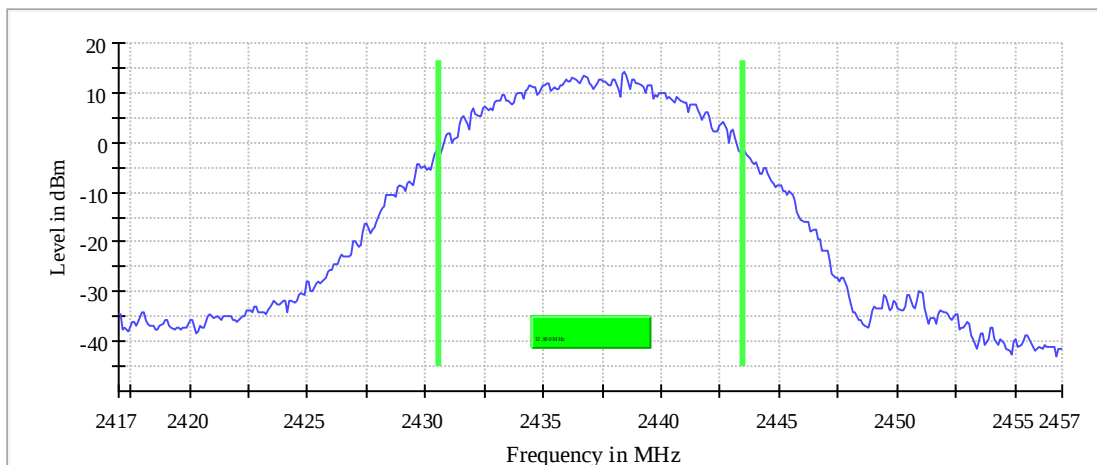
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 12.900000       | ---             | ---             | 2430.550000          | 2443.450000           |

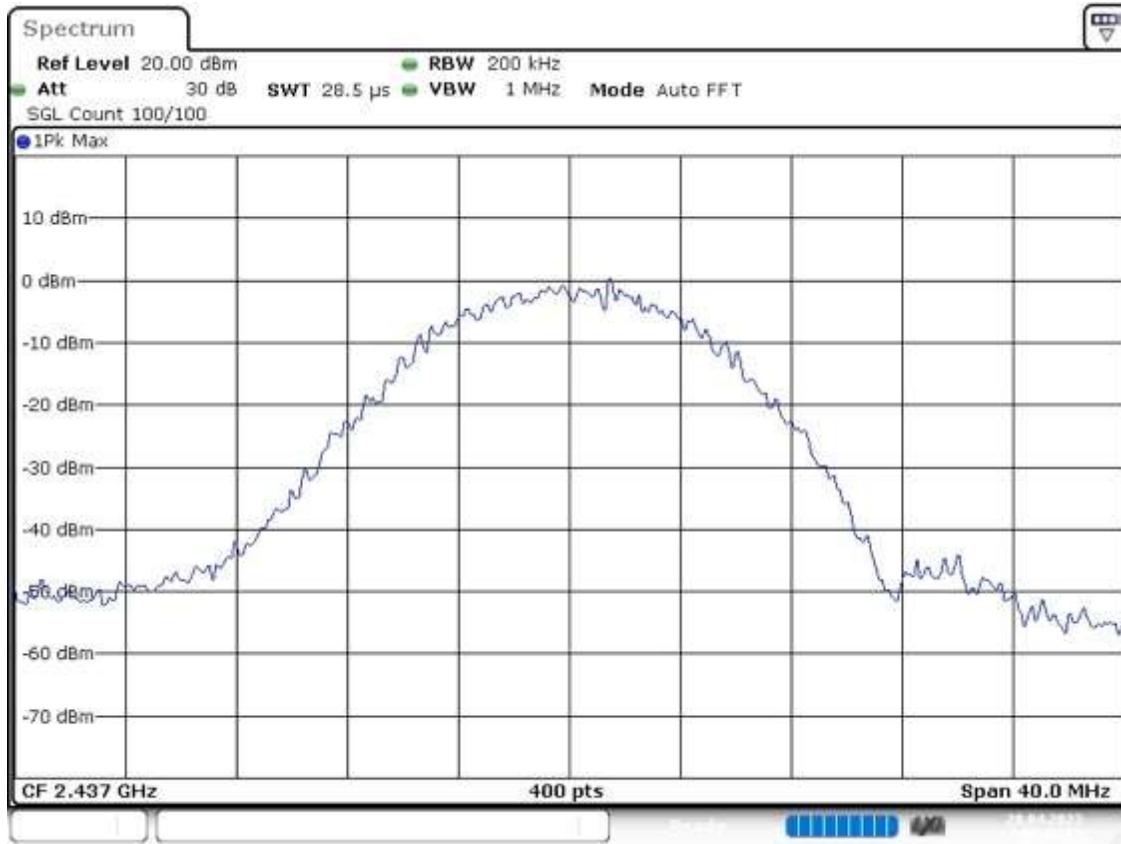
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 28.APR.2023 02:40:21

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

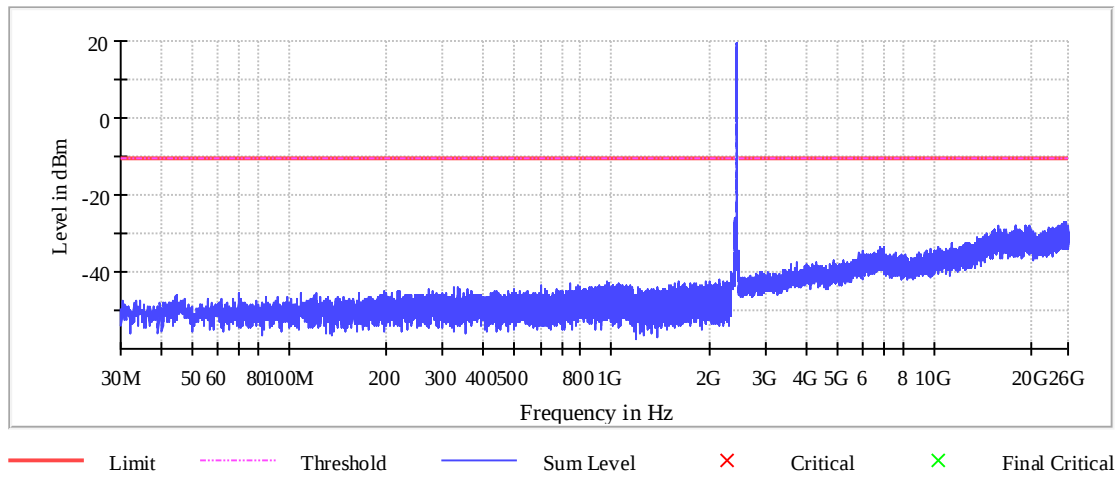
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25272.848450    | -26.9       | 16.4        | -10.5       |
| 25683.639472    | -27.2       | 16.7        | -10.5       |
| 25402.920026    | -27.6       | 17.1        | -10.5       |
| 25165.557772    | -27.7       | 17.2        | -10.5       |
| 25100.889418    | -27.7       | 17.2        | -10.5       |
| 17799.244344    | -27.8       | 17.3        | -10.5       |
| 25021.523710    | -27.8       | 17.3        | -10.5       |
| 19091.141691    | -27.8       | 17.3        | -10.5       |
| 25097.949947    | -27.8       | 17.3        | -10.5       |
| 19804.698189    | -27.9       | 17.4        | -10.5       |
| 25832.817607    | -27.9       | 17.4        | -10.5       |
| 25166.292639    | -28.0       | 17.5        | -10.5       |
| 24119.106223    | -28.0       | 17.5        | -10.5       |
| 15719.568865    | -28.0       | 17.5        | -10.5       |
| 19852.464587    | -28.0       | 17.5        | -10.5       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

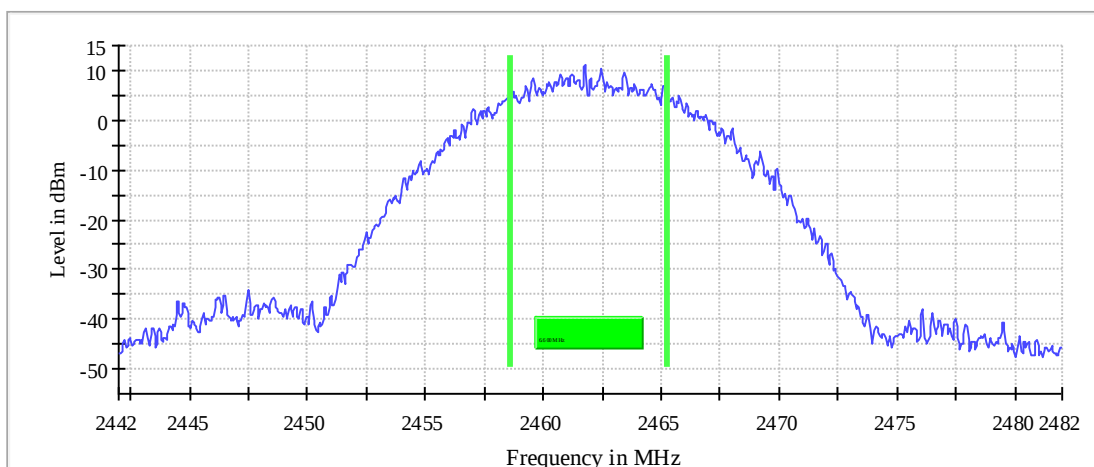
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 6.600000        | 0.500000        | ---             | 2458.625000          | 2465.225000           |

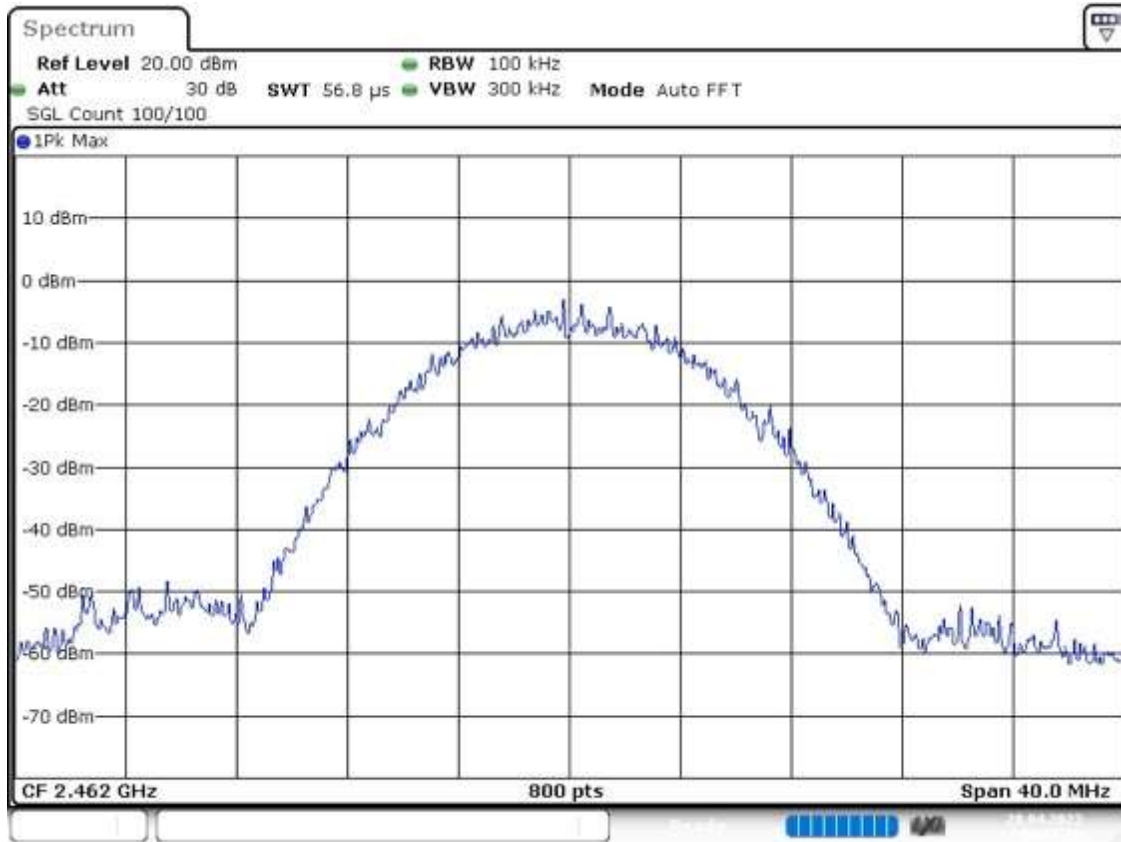
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 11.1            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 26.APR.2023 03:07:29

## Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

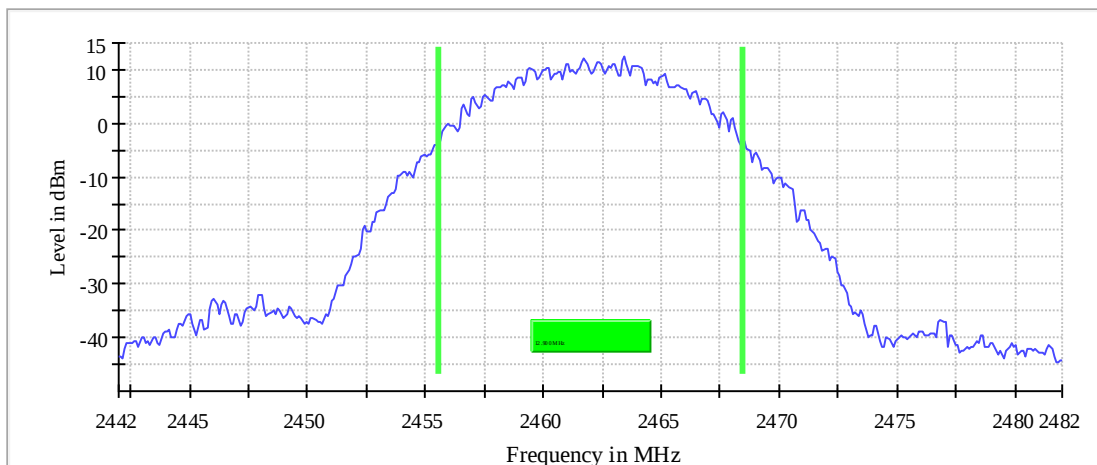
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 12.900000       | ---             | ---             | 2455.550000          | 2468.450000           |

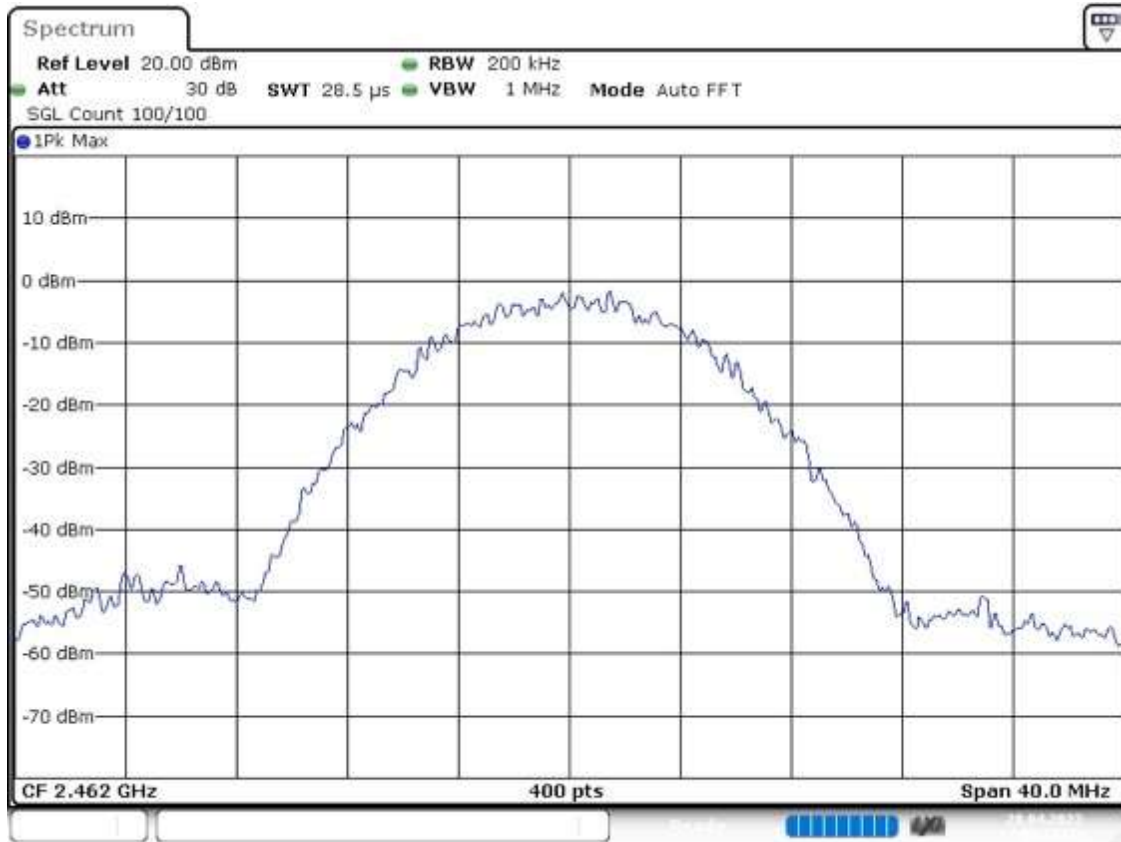
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 28.APR.2023 03:12:13

## Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

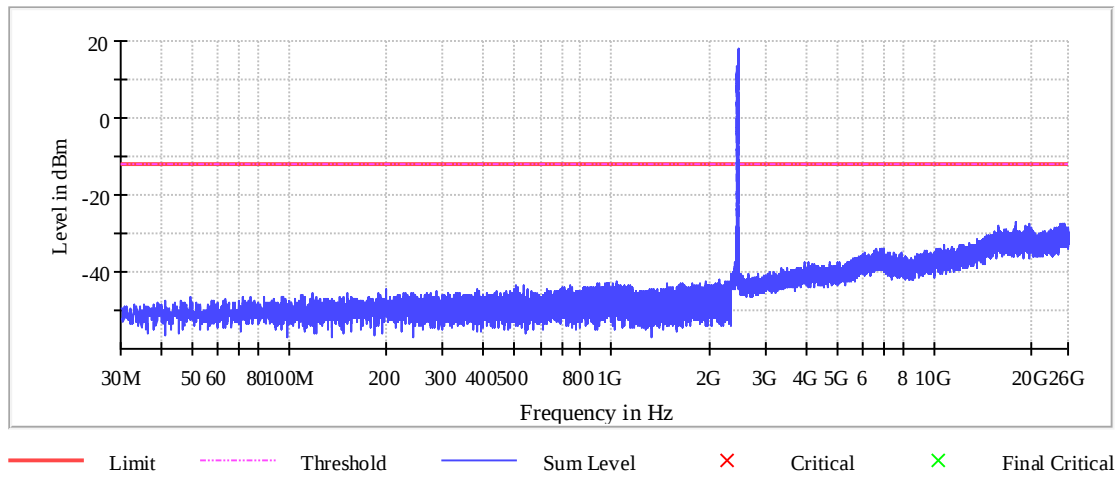
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 17821.290374    | -27.0       | 14.9        | -12.1       |
| 25169.232110    | -27.4       | 15.3        | -12.1       |
| 25151.595286    | -27.5       | 15.4        | -12.1       |
| 24749.622676    | -27.5       | 15.5        | -12.1       |
| 25104.563756    | -27.6       | 15.5        | -12.1       |
| 25046.509211    | -27.6       | 15.6        | -12.1       |
| 19812.781733    | -27.6       | 15.6        | -12.1       |
| 25266.234641    | -27.7       | 15.6        | -12.1       |
| 25118.526241    | -27.7       | 15.6        | -12.1       |
| 25333.842466    | -27.8       | 15.7        | -12.1       |
| 17830.843653    | -27.8       | 15.8        | -12.1       |
| 25396.306217    | -27.9       | 15.8        | -12.1       |
| 25280.931994    | -27.9       | 15.8        | -12.1       |
| 24750.357544    | -28.0       | 15.9        | -12.1       |
| 25453.625895    | -28.1       | 16.0        | -12.1       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## 2.3 g Mode

### Summary

| Test                            | Frequency (MHz) | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result |
|---------------------------------|-----------------|---------------------|-------------------------|--------|
| RF output power                 | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2412.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density          | 2412.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2412.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2462.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2462.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2462.000        | 24.0                | 20.000000               | PASS   |

### RF output power (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 18.3            | 30.0            | 18.3             | 94.082        | PASS   |

### OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

### Minimum Emission Bandwidth 6 dB (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

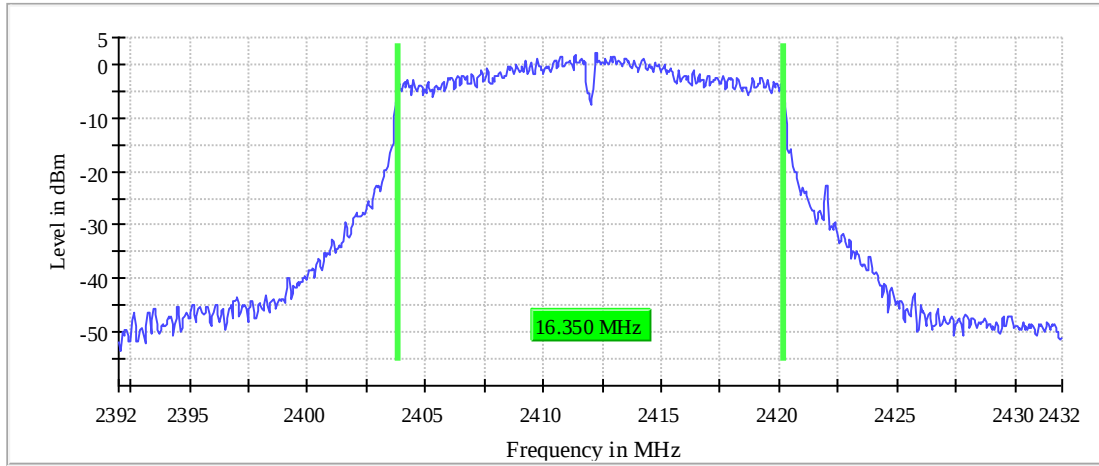
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 16.350000       | 0.500000        | ---             | 2403.825000          | 2420.175000           |

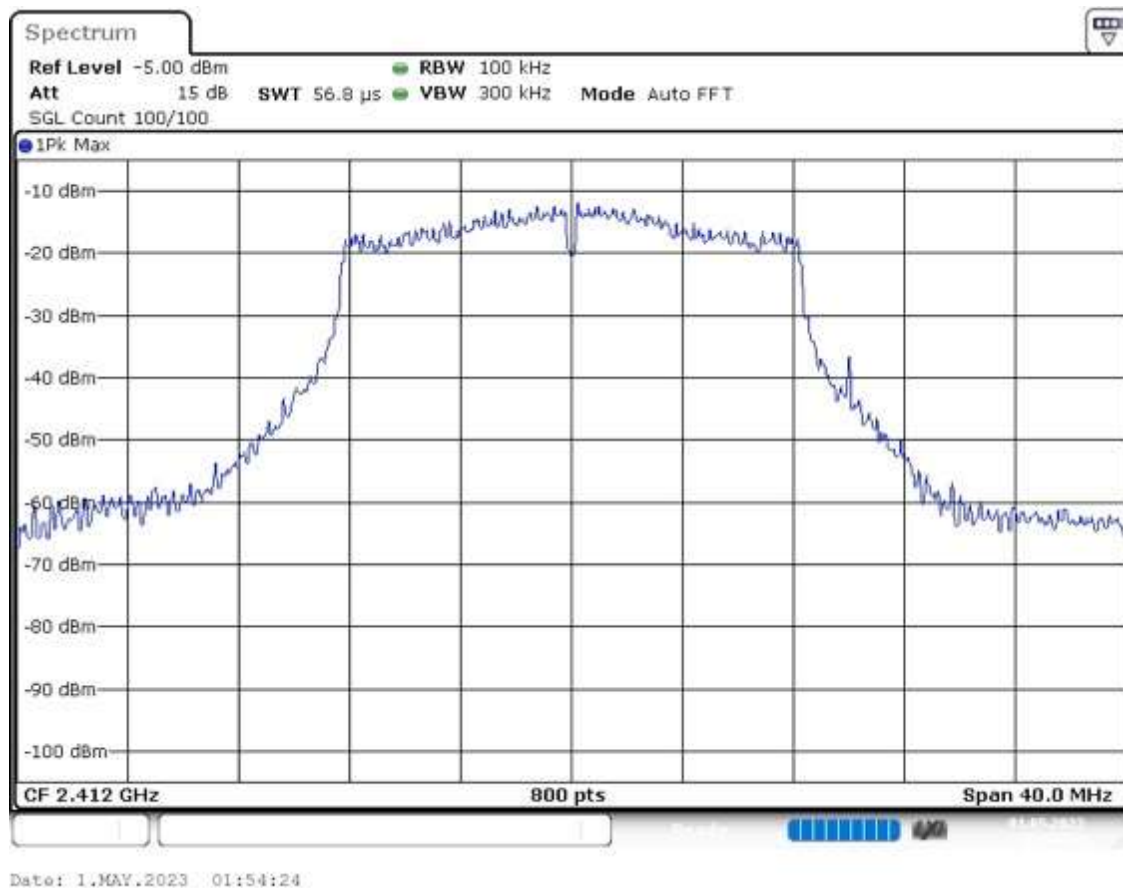
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 2.0             | PASS   |

6 dB Bandwidth



Bandwidth



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz   |
| Span            | 40.000 MHz       | 40.000 MHz    |
| RBW             | 100.000 kHz      | ~ 100.000 kHz |
| VBW             | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints     | 800              | ~ 800         |
| SweepTime       | 56.836 $\mu$ s   | AUTO          |
| Reference Level | -5.000 dBm       | -5.000 dBm    |
| Attenuation     | 15.000 dB        | AUTO          |
| Detector        | MaxPeak          | MaxPeak       |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Max Hold         | Max Hold      |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Power Spectral Density (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

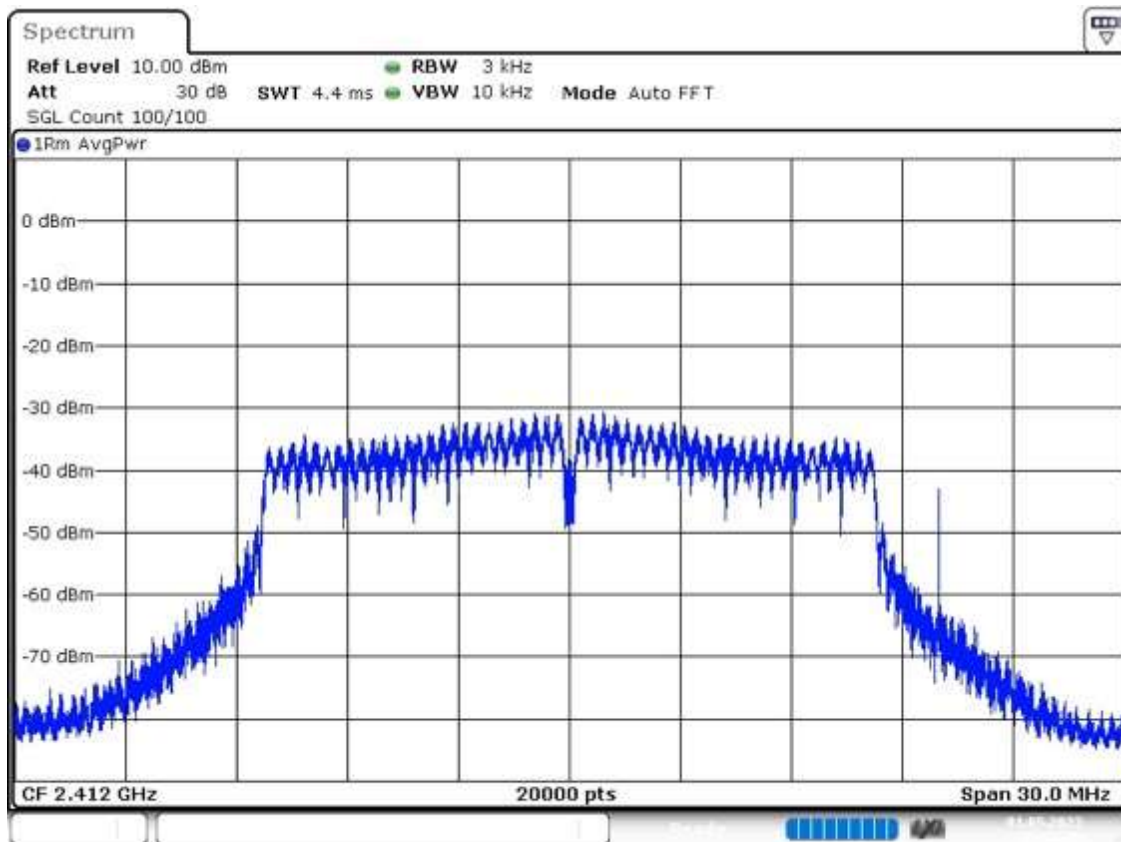
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2411.346750     | -13.982   | 8.0             | PASS   |

### Ports

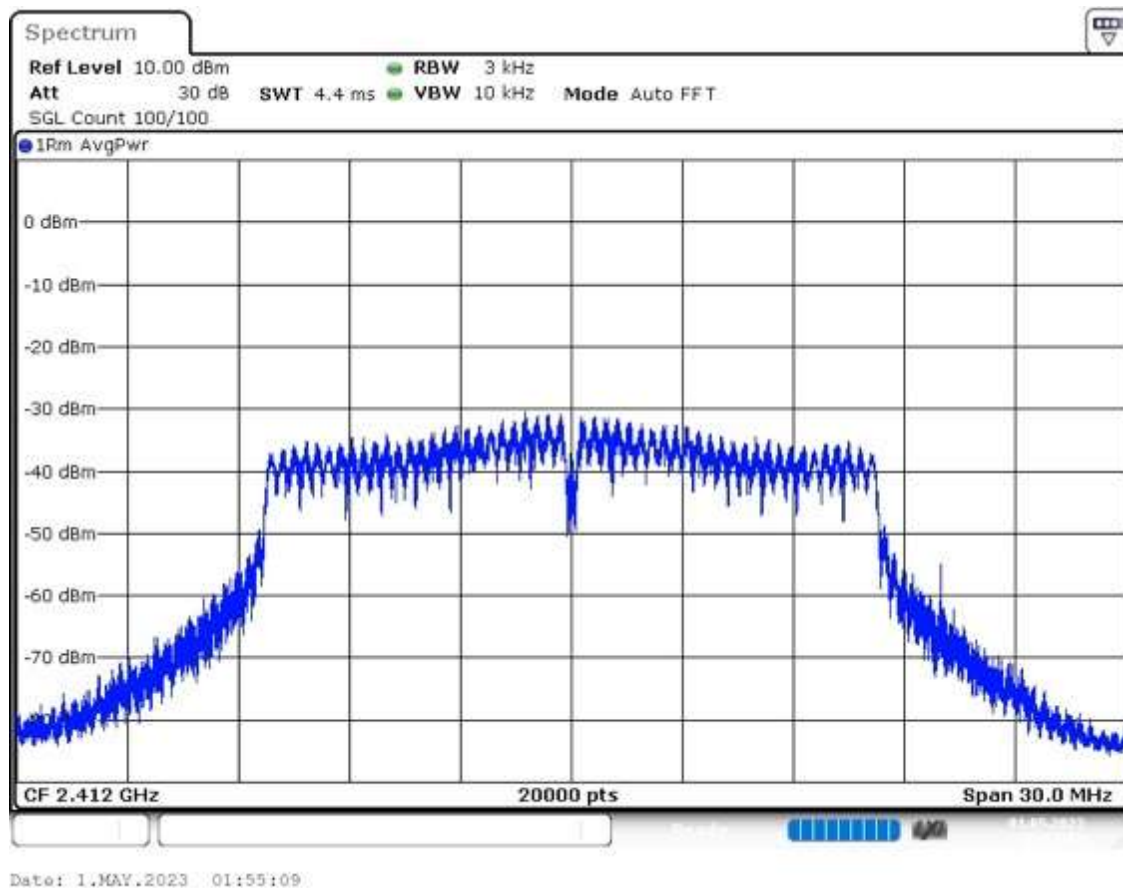
| Port | State |
|------|-------|
| 1    | used  |
| 2    | used  |

PSD Connector 1



Date: 1.MAY.2023 01:54:48

PSD Connector 2



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency  | 2.42700 GHz      | 2.42700 GHz   |
| Span            | 30.000 MHz       | 30.000 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz  |
| SweepPoints     | 20000            | ~ 20000       |
| SweepTime       | 4.424 ms         | AUTO          |
| Reference Level | 10.000 dBm       | 10.000 dBm    |
| Attenuation     | 30.000 dB        | AUTO          |
| Detector        | RMS              | RMS           |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Average Power    | Average Power |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Occupied Channel Bandwidth 99% (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

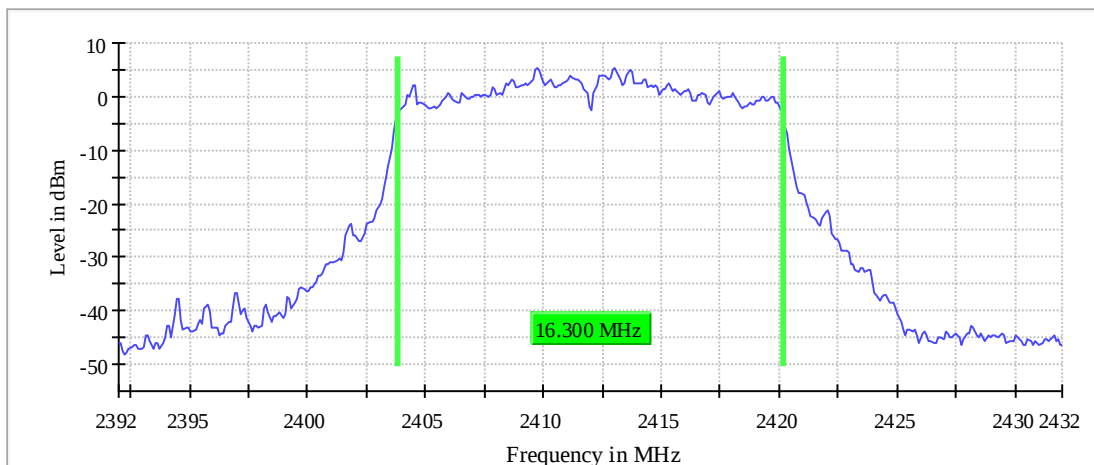
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 16.300000       | ---             | ---             | 2403.850000          | 2420.150000           |

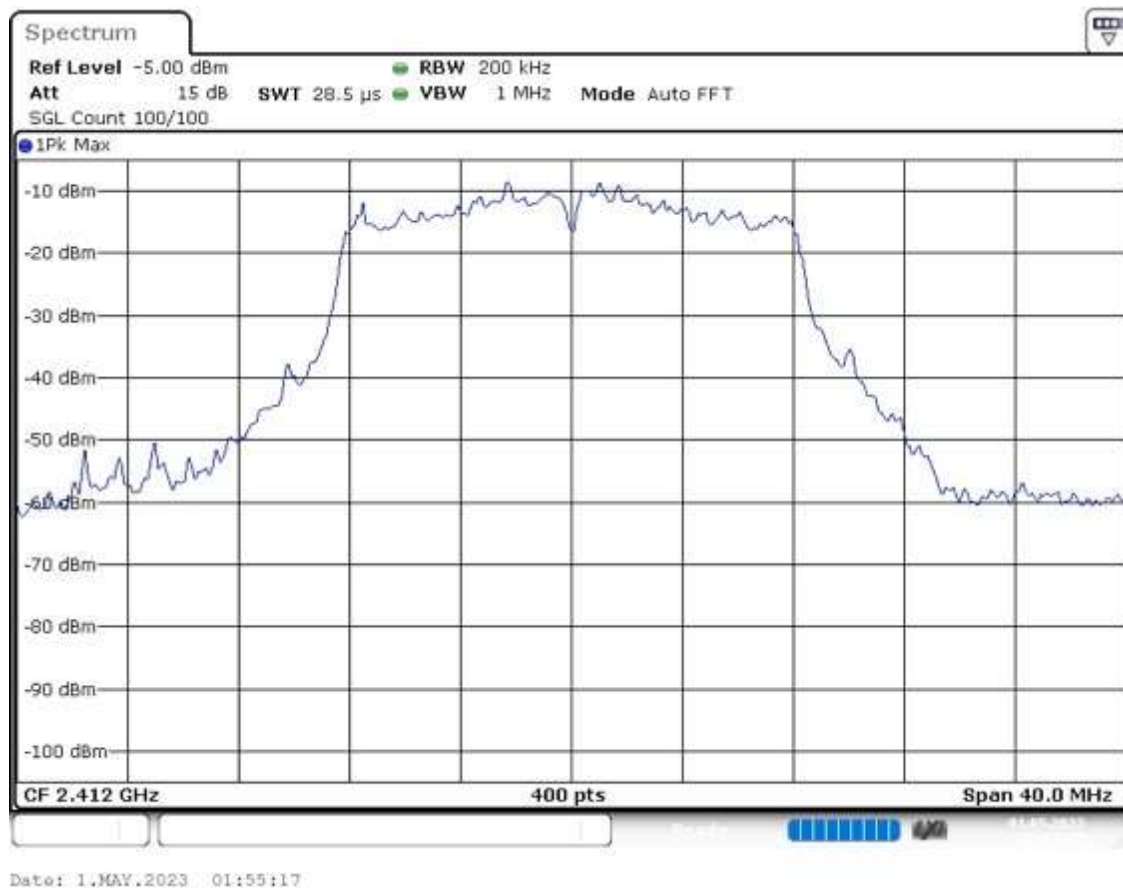
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

99 % Bandwidth



Bandwidth



## Measurement

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz        |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 200.000 kHz      | $\geq 200.000$ kHz |
| VBW             | 1.000 MHz        | $\geq 600.000$ kHz |
| SweepPoints     | 400              | $\sim 400$         |
| SweepTime       | 28.477 $\mu$ s   | AUTO               |
| Reference Level | -5.000 dBm       | -5.000 dBm         |
| Attenuation     | 15.000 dB        | AUTO               |
| Detector        | MaxPeak          | MaxPeak            |
| SweepCount      | 100              | 100                |
| Filter          | 3 dB             | 3 dB               |
| Trace Mode      | Max Hold         | Max Hold           |
| SweepType       | FFT              | AUTO               |
| Preamp          | off              | off                |

## Tx Spurious Emission (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

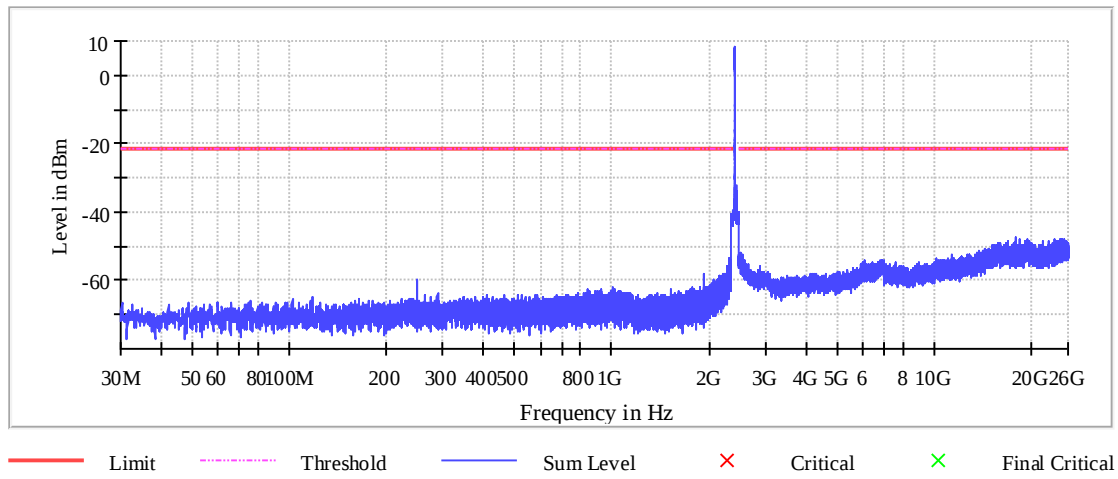
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2399.175000     | -33.0       | 11.5        | -21.5       |
| 2399.225000     | -33.3       | 11.8        | -21.5       |
| 2399.125000     | -33.4       | 11.9        | -21.5       |
| 2399.825000     | -33.6       | 12.1        | -21.5       |
| 2399.775000     | -33.7       | 12.2        | -21.5       |
| 2399.625000     | -33.8       | 12.3        | -21.5       |
| 2399.725000     | -33.8       | 12.3        | -21.5       |
| 2399.675000     | -34.0       | 12.5        | -21.5       |
| 2399.575000     | -34.1       | 12.6        | -21.5       |
| 2399.975000     | -34.3       | 12.8        | -21.5       |
| 2399.875000     | -34.5       | 13.0        | -21.5       |
| 2399.275000     | -34.5       | 13.0        | -21.5       |
| 2399.475000     | -34.9       | 13.4        | -21.5       |
| 2398.875000     | -35.1       | 13.6        | -21.5       |
| 2399.075000     | -35.1       | 13.6        | -21.5       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Pre Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 32001            | ~ 46400        |
| SweepTime       | 32.100 ms        | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 20.000 dB        | 20.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 3                | 3              |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 2670             | ~ 2670         |
| SweepTime       | 151.563 $\mu$ s  | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 300              | 300            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

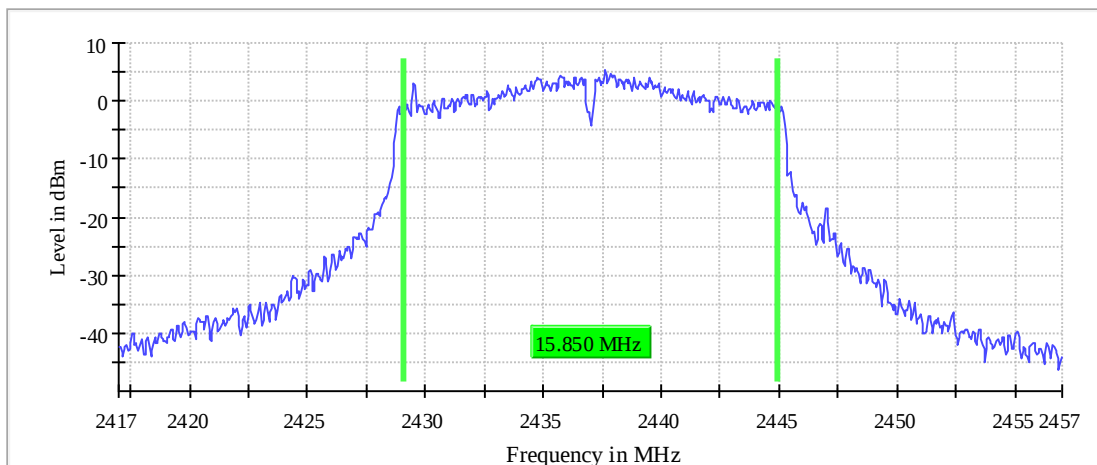
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 15.850000       | 0.500000        | ---             | 2429.075000          | 2444.925000           |

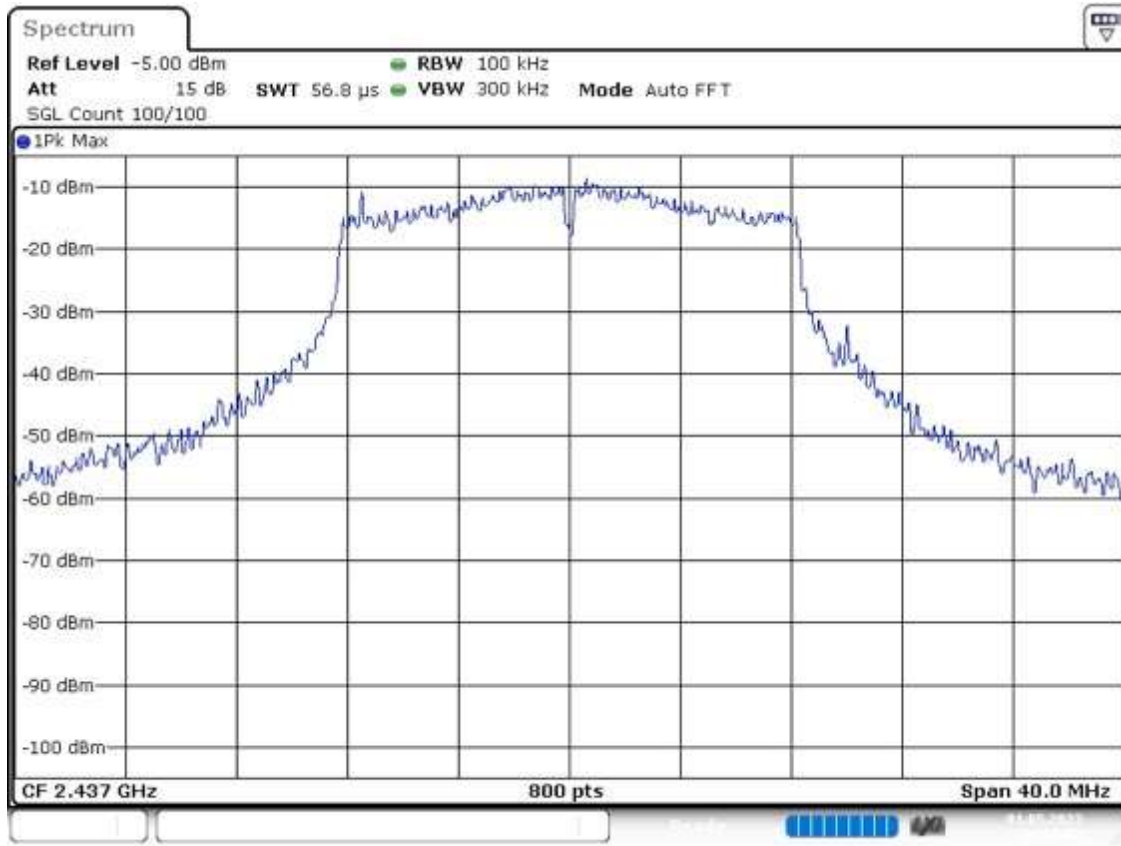
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 5.3             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 02:04:00

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

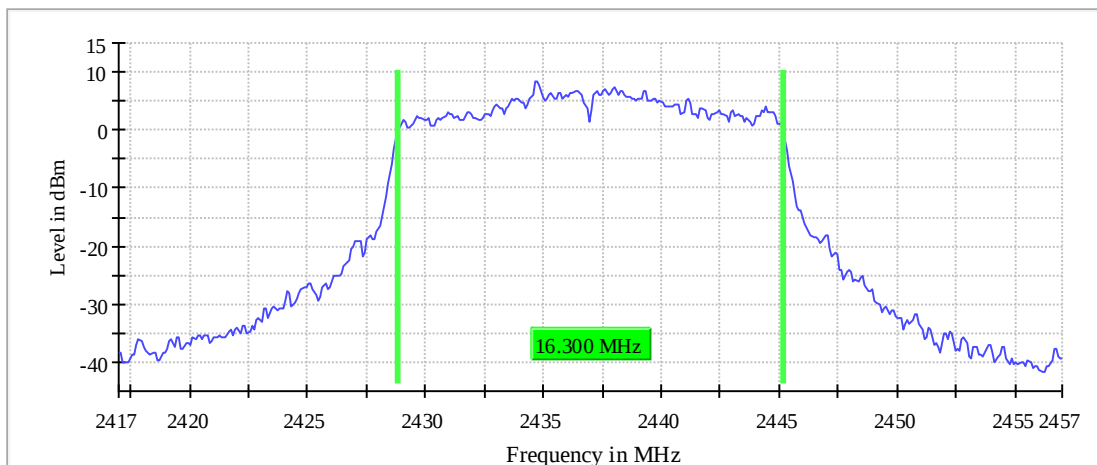
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 16.300000       | ---             | ---             | 2428.850000          | 2445.150000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 02:05:33

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

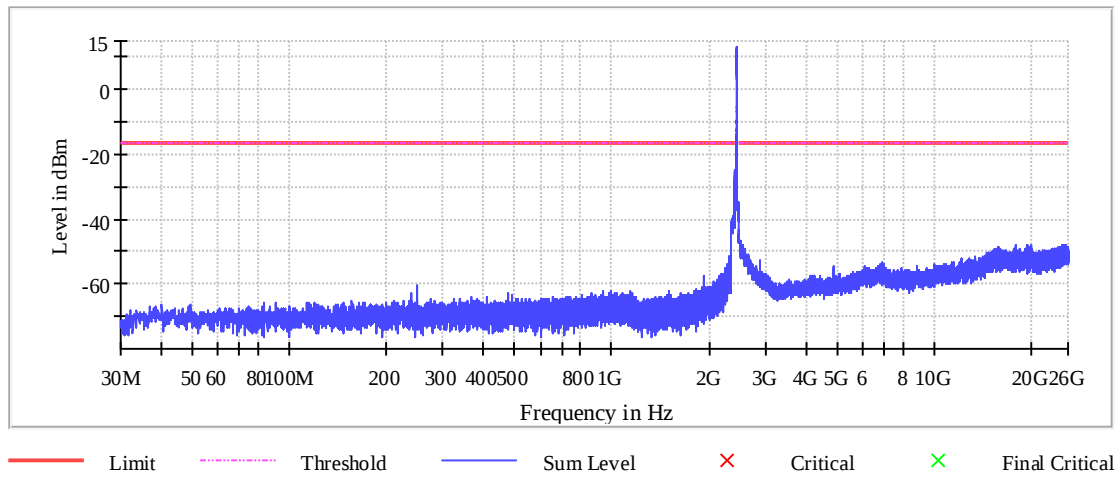
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2396.725000     | -38.6       | 22.1        | -16.5       |
| 2396.675000     | -38.9       | 22.4        | -16.5       |
| 2393.875000     | -38.9       | 22.4        | -16.5       |
| 2385.725000     | -39.1       | 22.6        | -16.5       |
| 2385.675000     | -39.1       | 22.6        | -16.5       |
| 2397.625000     | -39.1       | 22.6        | -16.5       |
| 2394.725000     | -39.1       | 22.6        | -16.5       |
| 2393.925000     | -39.2       | 22.7        | -16.5       |
| 2394.775000     | -39.3       | 22.8        | -16.5       |
| 2394.675000     | -39.4       | 22.9        | -16.5       |
| 2393.825000     | -39.4       | 22.9        | -16.5       |
| 2397.575000     | -39.4       | 22.9        | -16.5       |
| 2367.375000     | -39.5       | 23.0        | -16.5       |
| 2399.375000     | -39.5       | 23.0        | -16.5       |
| 2395.725000     | -39.5       | 23.0        | -16.5       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

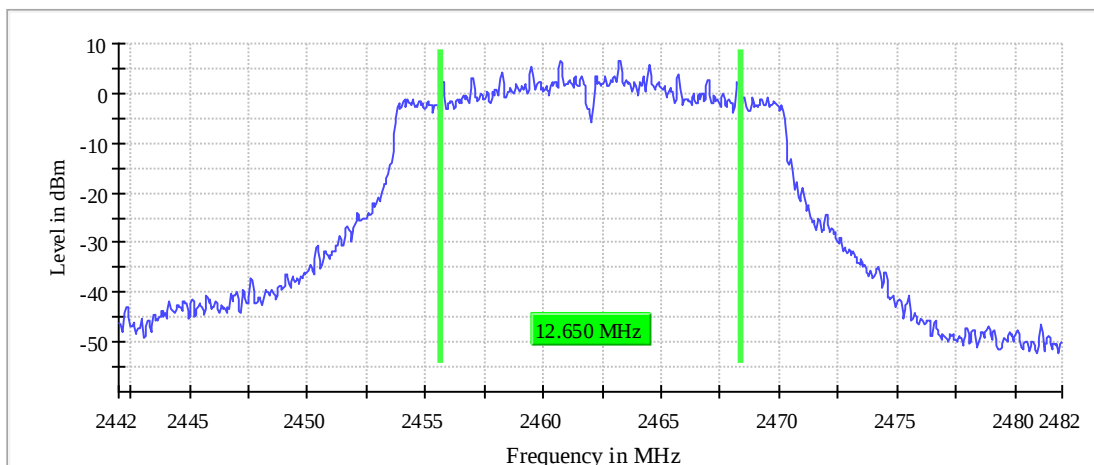
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 12.650000       | 0.500000        | ---             | 2455.675000          | 2468.325000           |

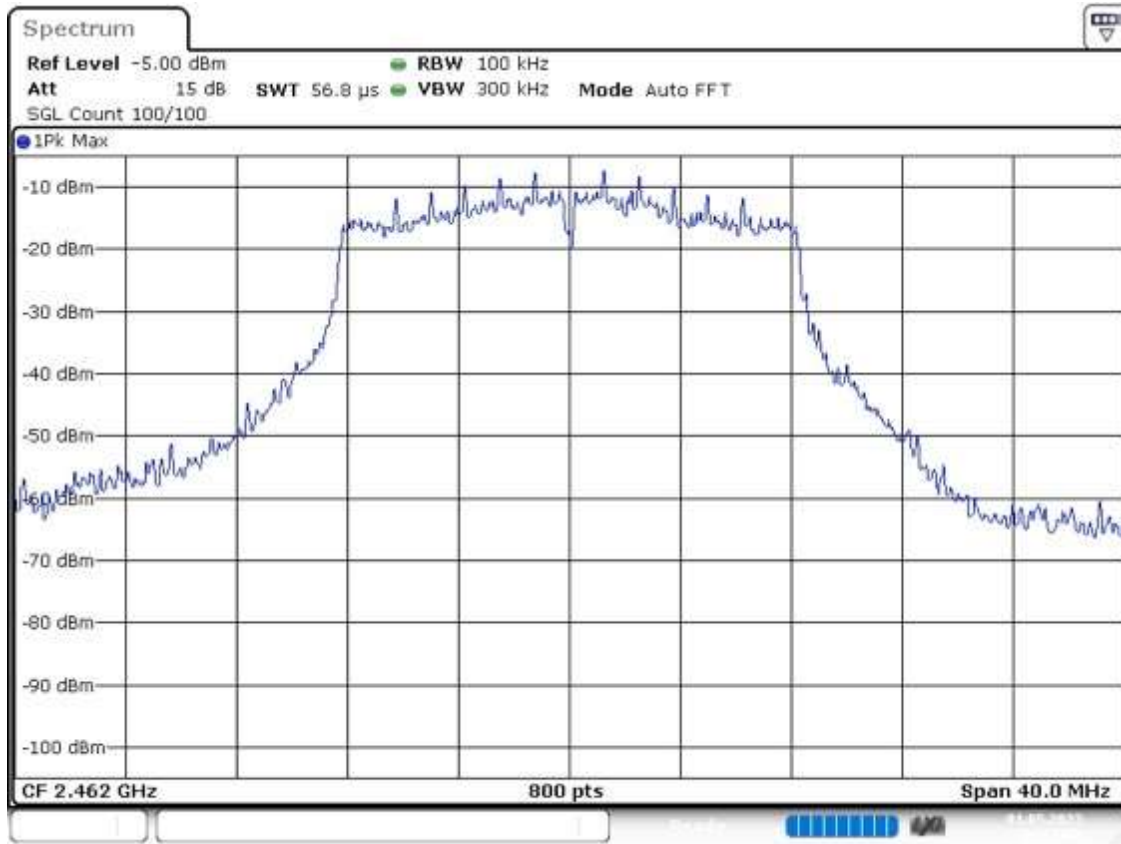
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 6.7             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 02:13:56

## Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

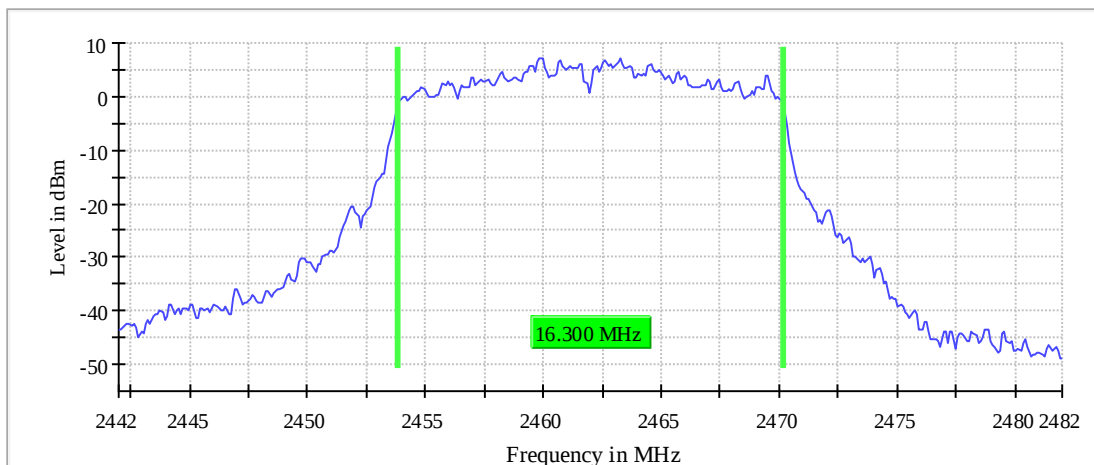
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 16.300000       | ---             | ---             | 2453.850000          | 2470.150000           |

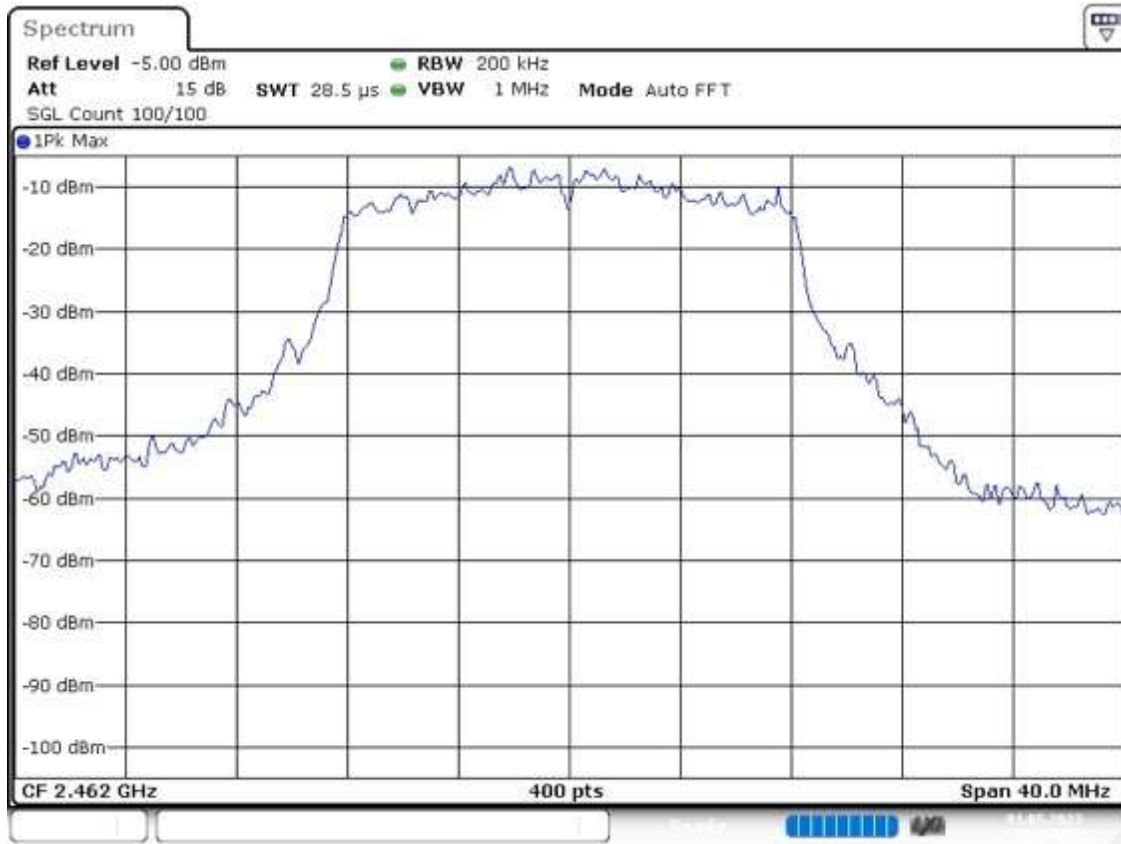
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 02:14:51

## Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

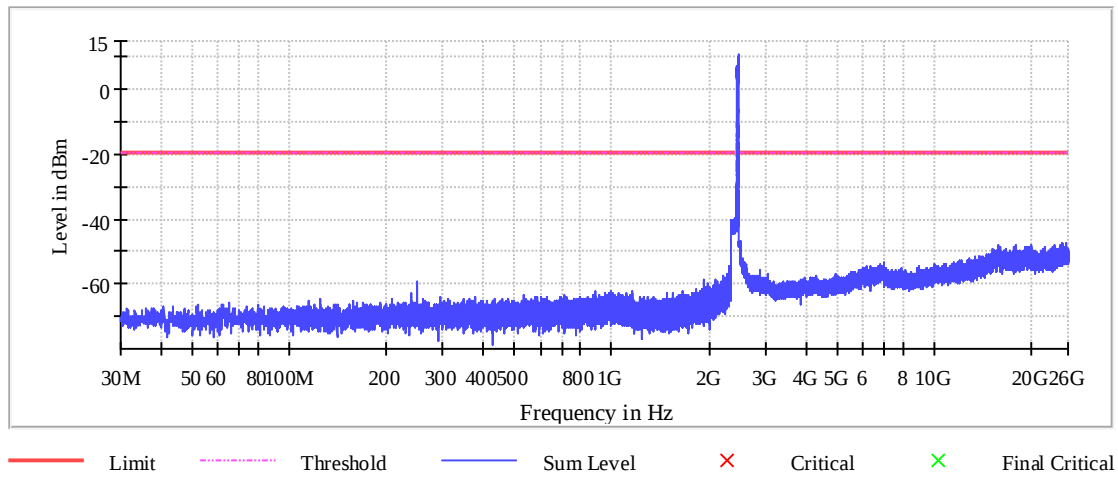
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2368.525000     | -40.3       | 21.1        | -19.2       |
| 2364.325000     | -40.3       | 21.1        | -19.2       |
| 2364.375000     | -40.4       | 21.2        | -19.2       |
| 2352.075000     | -40.5       | 21.2        | -19.2       |
| 2368.575000     | -40.5       | 21.3        | -19.2       |
| 2352.025000     | -40.6       | 21.4        | -19.2       |
| 2377.875000     | -40.7       | 21.5        | -19.2       |
| 2351.275000     | -40.7       | 21.5        | -19.2       |
| 2364.425000     | -40.8       | 21.5        | -19.2       |
| 2396.925000     | -40.8       | 21.6        | -19.2       |
| 2350.925000     | -40.8       | 21.6        | -19.2       |
| 2377.925000     | -40.9       | 21.6        | -19.2       |
| 2351.325000     | -40.9       | 21.6        | -19.2       |
| 2386.275000     | -40.9       | 21.7        | -19.2       |
| 2397.675000     | -40.9       | 21.7        | -19.2       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## 2.4 n Mode

### Summary

| Test                            | Frequency (MHz) | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result |
|---------------------------------|-----------------|---------------------|-------------------------|--------|
| RF output power                 | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2412.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density          | 2412.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2412.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2412.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2462.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2462.000        | 24.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2462.000        | 24.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2422.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2422.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2422.000        | 24.0                | 40.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2437.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 24.0                | 40.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2452.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99%  | 2452.000        | 24.0                | 40.000000               | PASS   |
| Tx Spurious Emission            | 2452.000        | 24.0                | 40.000000               | PASS   |

### RF output power (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 19.5            | 30.0            | 19.5             | 91.987        | PASS   |

### OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

## Minimum Emission Bandwidth 6 dB (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

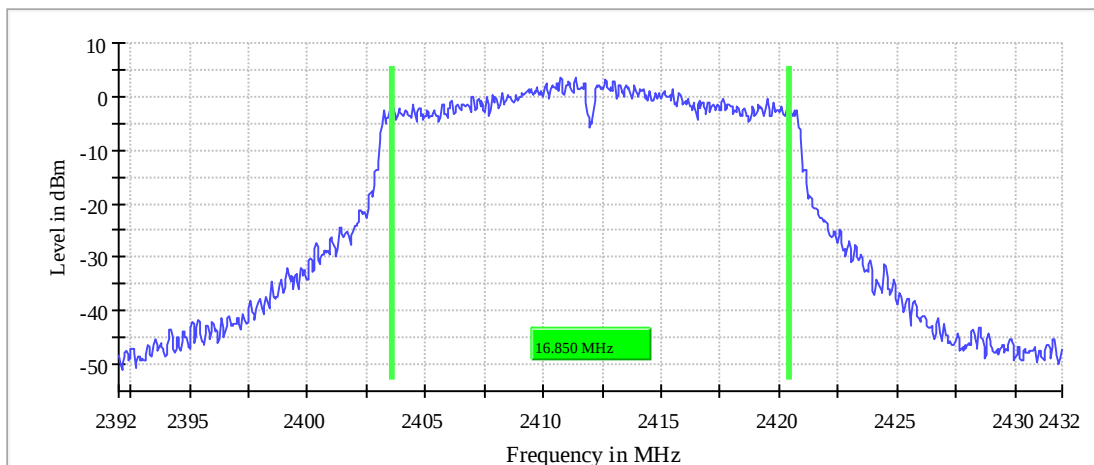
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 16.850000       | 0.500000        | ---             | 2403.575000          | 2420.425000           |

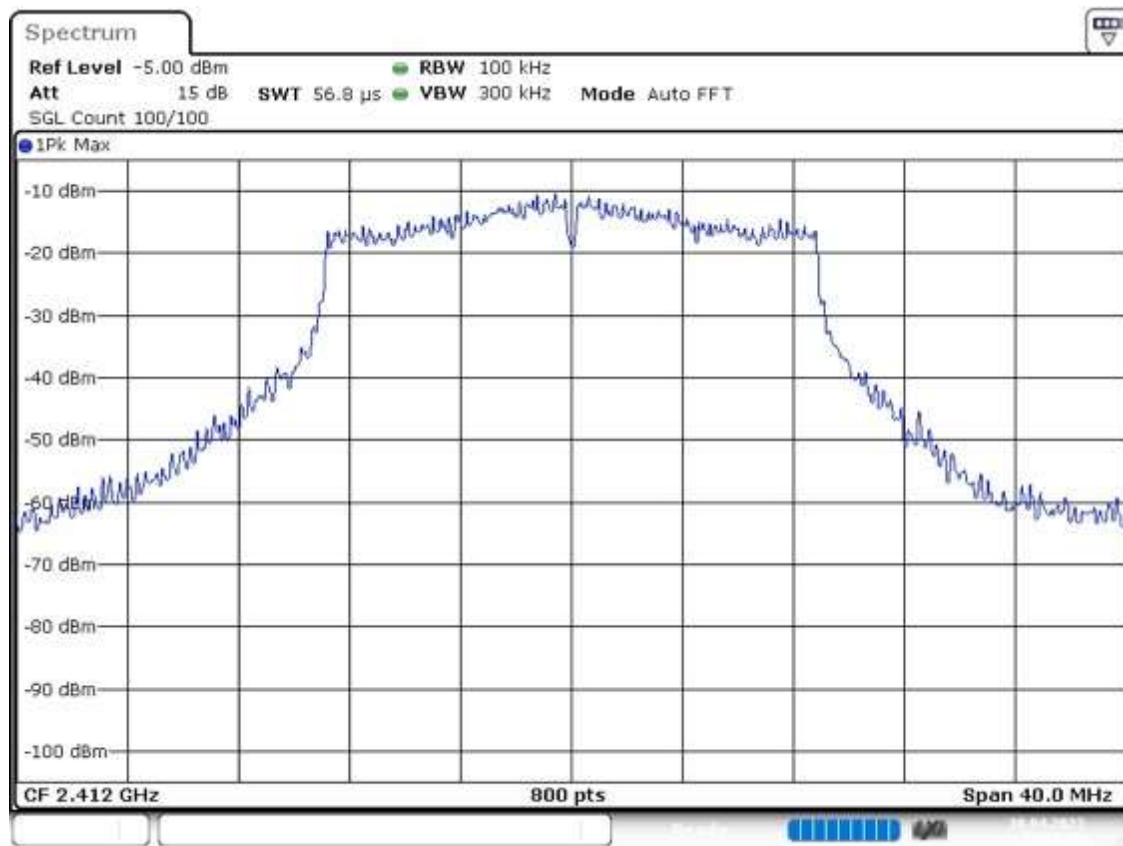
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 3.7             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 30.APR.2023 23:39:39

## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz   |
| Span            | 40.000 MHz       | 40.000 MHz    |
| RBW             | 100.000 kHz      | ~ 100.000 kHz |
| VBW             | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints     | 800              | ~ 800         |
| SweepTime       | 56.836 $\mu$ s   | AUTO          |
| Reference Level | -5.000 dBm       | -5.000 dBm    |
| Attenuation     | 15.000 dB        | AUTO          |
| Detector        | MaxPeak          | MaxPeak       |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Max Hold         | Max Hold      |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Power Spectral Density (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

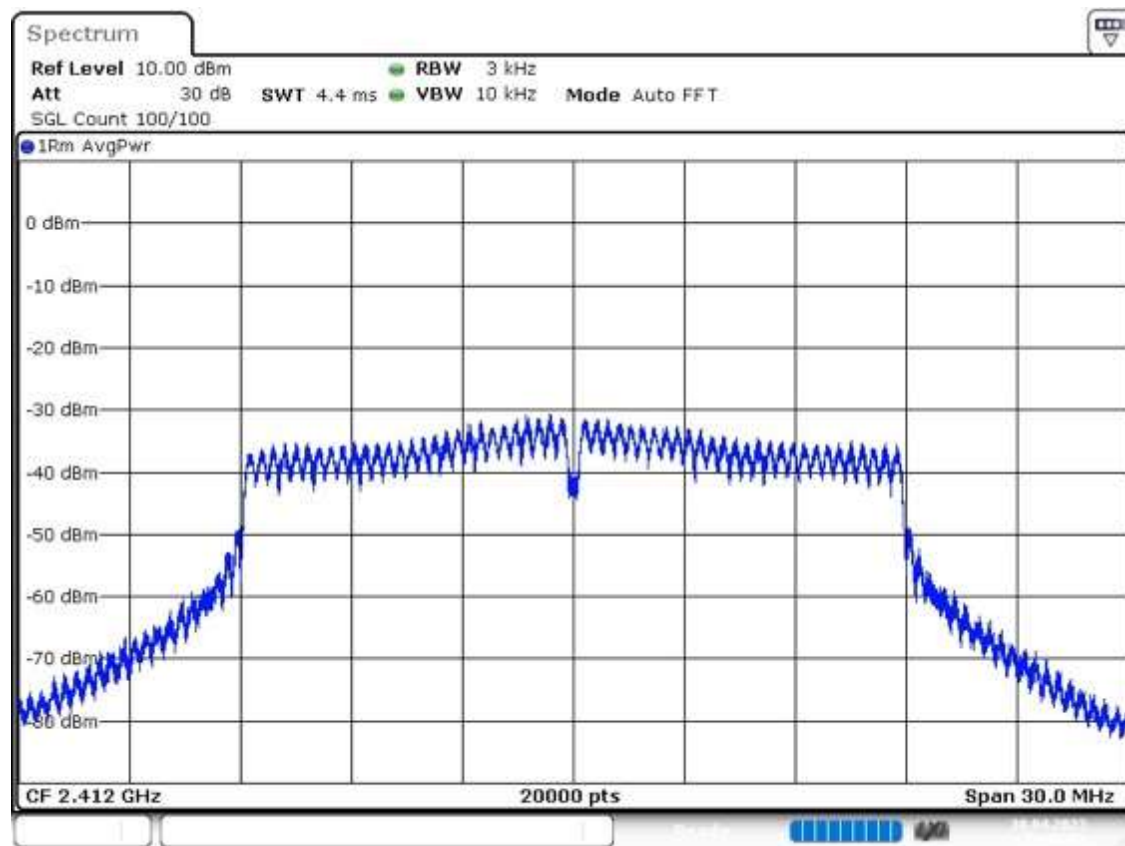
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2411.393250     | -13.865   | 8.0             | PASS   |

### Ports

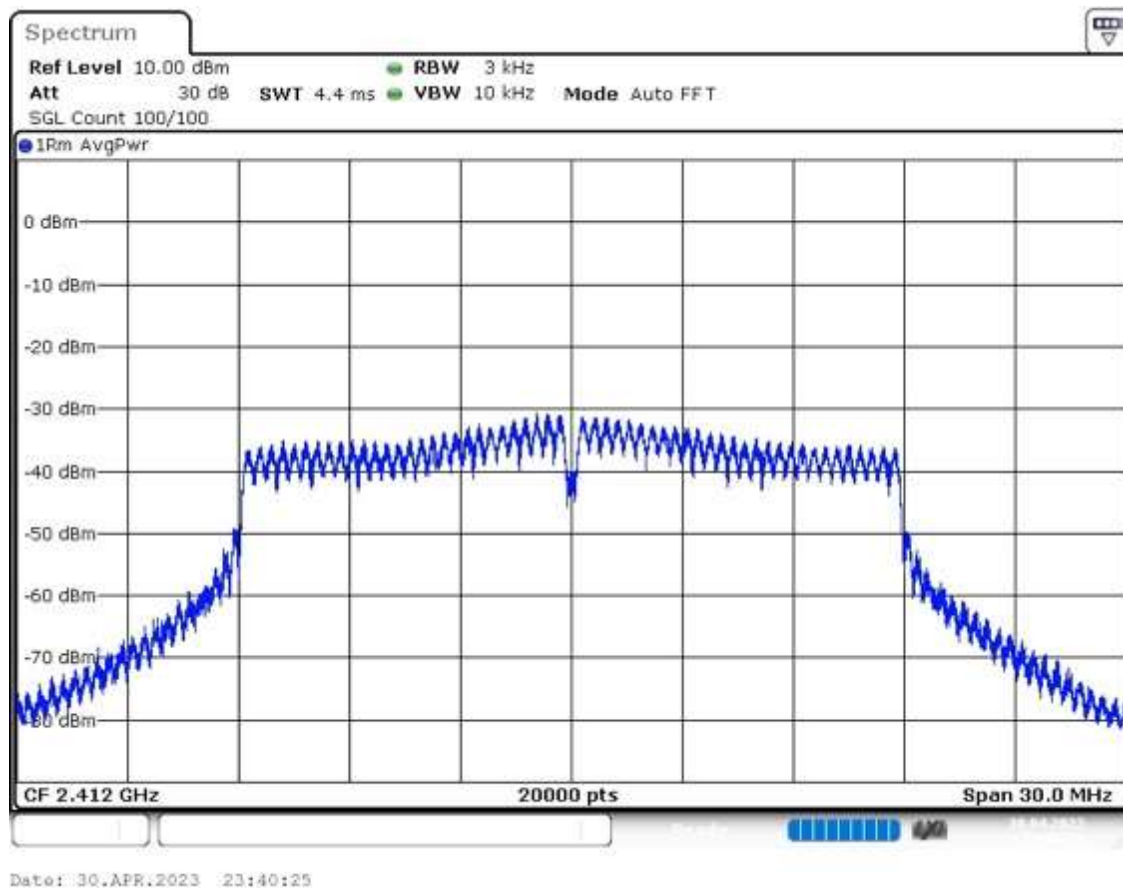
| Port | State |
|------|-------|
| 1    | used  |
| 2    | used  |

PSD Connector 1



Date: 30.APR.2023 23:40:05

PSD Connector 2



## Measurement

| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency  | 2.42700 GHz      | 2.42700 GHz   |
| Span            | 30.000 MHz       | 30.000 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz  |
| SweepPoints     | 20000            | ~ 20000       |
| SweepTime       | 4.424 ms         | AUTO          |
| Reference Level | 10.000 dBm       | 10.000 dBm    |
| Attenuation     | 30.000 dB        | AUTO          |
| Detector        | RMS              | RMS           |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Average Power    | Average Power |
| SweepType       | FFT              | AUTO          |
| Preamp          | off              | off           |

## Occupied Channel Bandwidth 99% (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

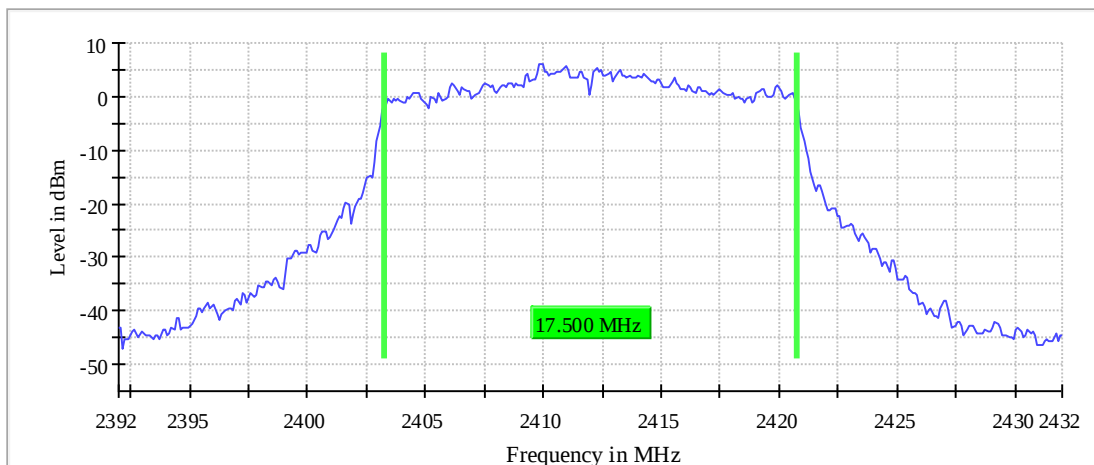
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 17.500000       | ---             | ---             | 2403.250000          | 2420.750000           |

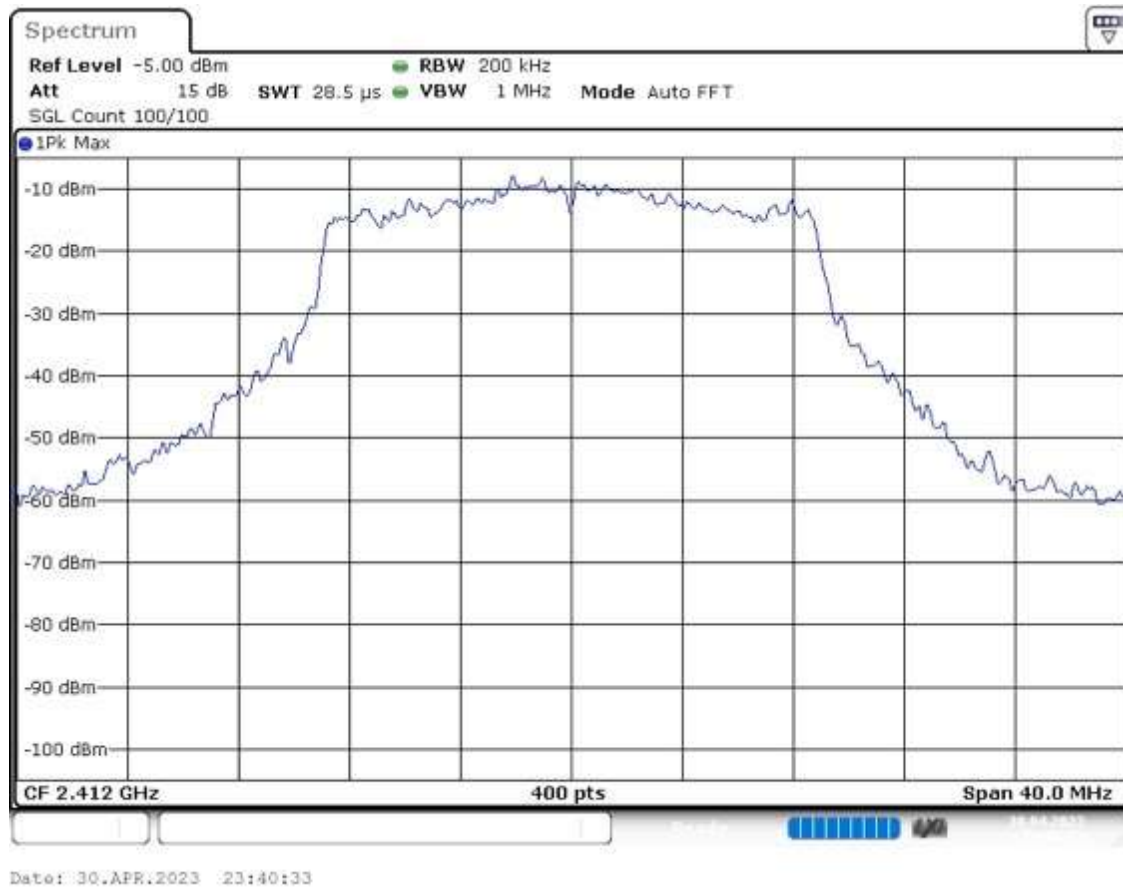
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

99 % Bandwidth



Bandwidth



## Measurement

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 2.39200 GHz      | 2.39200 GHz        |
| Stop Frequency  | 2.43200 GHz      | 2.43200 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 200.000 kHz      | $\geq 200.000$ kHz |
| VBW             | 1.000 MHz        | $\geq 600.000$ kHz |
| SweepPoints     | 400              | $\sim 400$         |
| SweepTime       | 28.477 $\mu$ s   | AUTO               |
| Reference Level | -5.000 dBm       | -5.000 dBm         |
| Attenuation     | 15.000 dB        | AUTO               |
| Detector        | MaxPeak          | MaxPeak            |
| SweepCount      | 100              | 100                |
| Filter          | 3 dB             | 3 dB               |
| Trace Mode      | Max Hold         | Max Hold           |
| SweepType       | FFT              | AUTO               |
| Preamp          | off              | off                |

## Tx Spurious Emission (2412 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

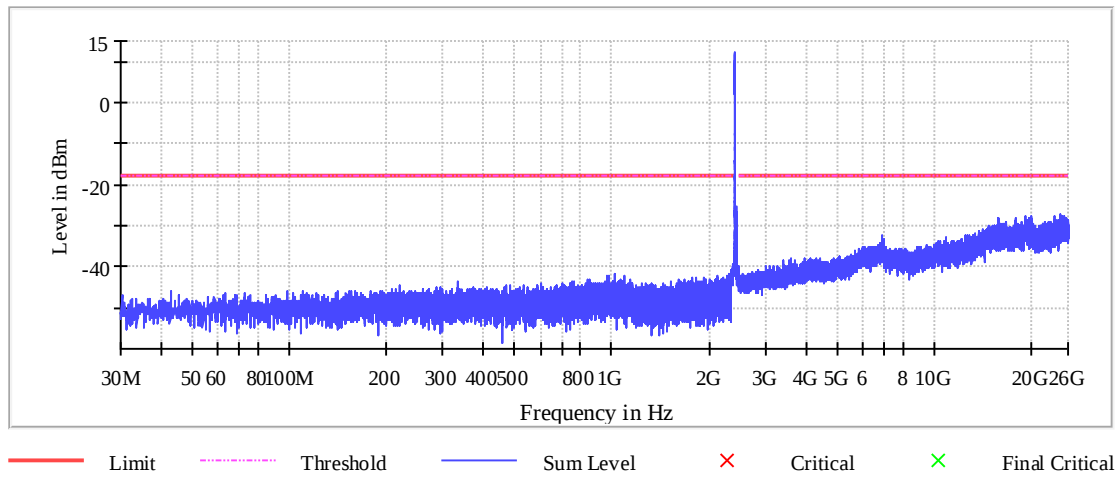
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2399.225000     | -26.0       | 8.3         | -17.6       |
| 2399.825000     | -26.5       | 8.9         | -17.6       |
| 2399.275000     | -26.5       | 8.9         | -17.6       |
| 2399.175000     | -26.6       | 9.0         | -17.6       |
| 2398.875000     | -26.9       | 9.3         | -17.6       |
| 2399.475000     | -26.9       | 9.3         | -17.6       |
| 2399.775000     | -27.0       | 9.4         | -17.6       |
| 2399.375000     | -27.0       | 9.4         | -17.6       |
| 2399.525000     | -27.0       | 9.4         | -17.6       |
| 2399.325000     | -27.1       | 9.4         | -17.6       |
| 2399.575000     | -27.2       | 9.5         | -17.6       |
| 2399.875000     | -27.2       | 9.5         | -17.6       |
| 2399.975000     | -27.2       | 9.6         | -17.6       |
| 2399.725000     | -27.3       | 9.6         | -17.6       |
| 24737.129926    | -27.3       | 9.6         | -17.6       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Pre Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 32001            | ~ 46400        |
| SweepTime       | 32.100 ms        | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 3                | 3              |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 2670             | ~ 2670         |
| SweepTime       | 151.563 $\mu$ s  | AUTO           |
| Reference Level | 20.000 dBm       | 20.000 dBm     |
| Attenuation     | 40.000 dB        | 40.000 dB      |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 300              | 300            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

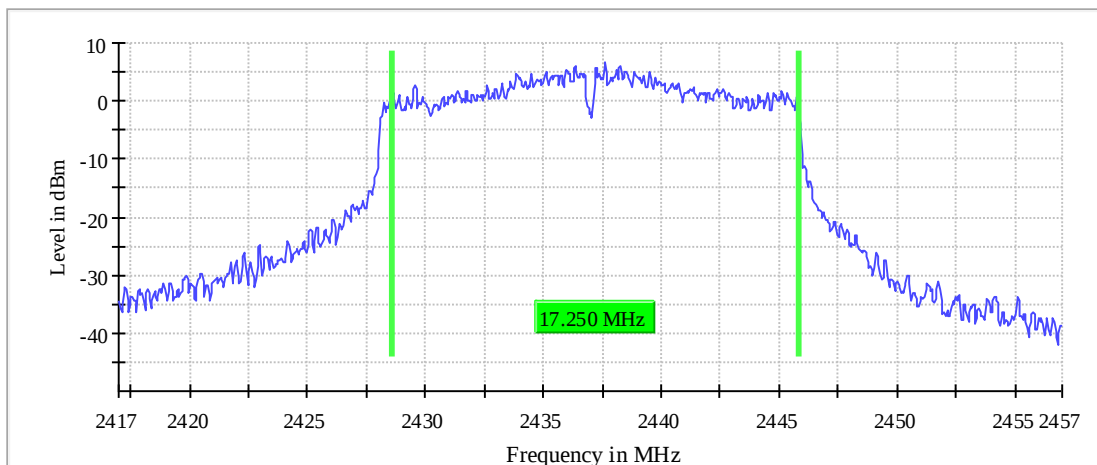
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 17.250000       | 0.500000        | ---             | 2428.575000          | 2445.825000           |

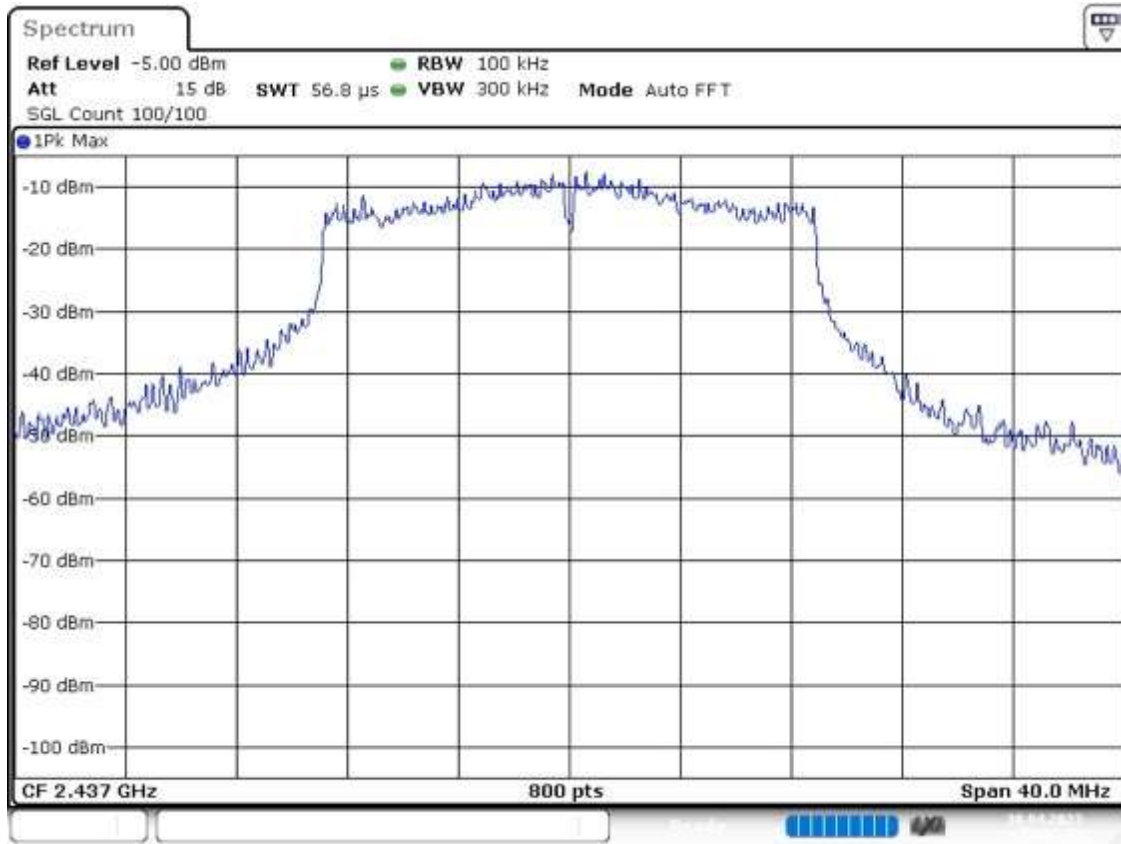
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 6.6             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 30.APR.2023 23:51:21

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

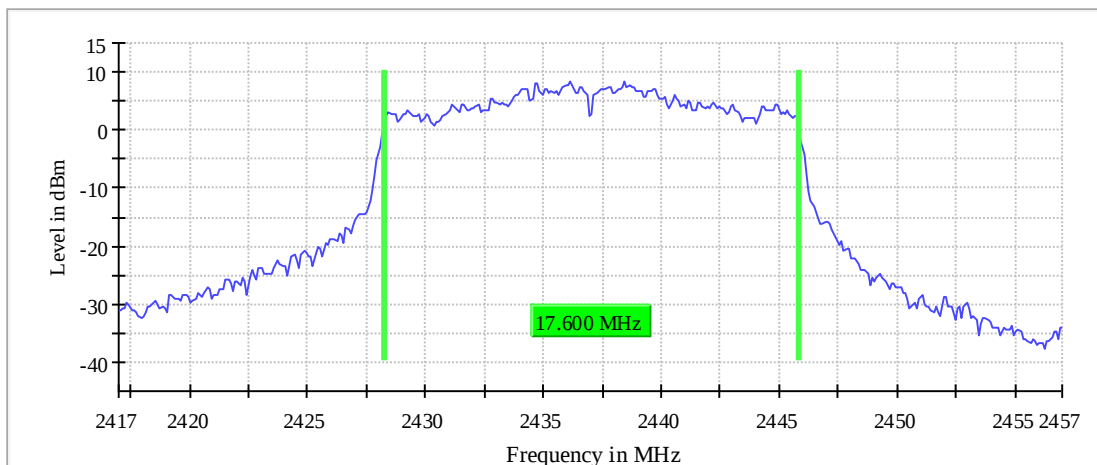
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 17.600000       | ---             | ---             | 2428.250000          | 2445.850000           |

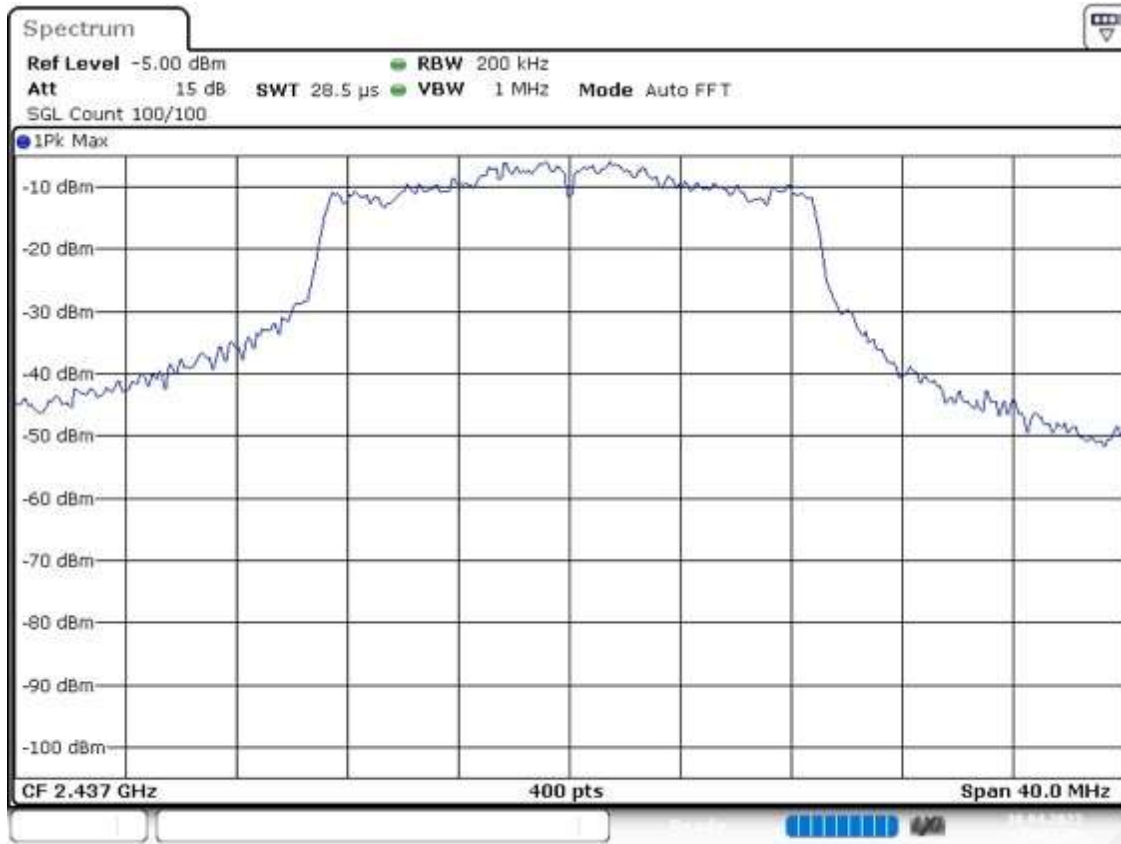
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 30.APR.2023 23:52:49

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

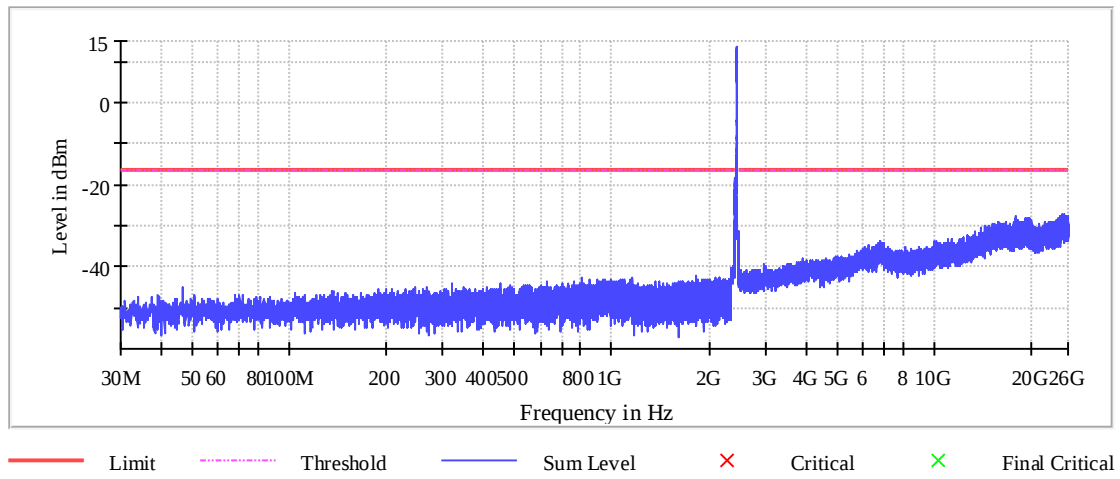
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25160.413698    | -27.0       | 10.8        | -16.2       |
| 24841.481133    | -27.1       | 10.9        | -16.2       |
| 24649.680674    | -27.5       | 11.3        | -16.2       |
| 25832.082740    | -27.6       | 11.4        | -16.2       |
| 24812.821295    | -27.7       | 11.4        | -16.2       |
| 25489.634410    | -27.7       | 11.5        | -16.2       |
| 25040.630269    | -27.7       | 11.5        | -16.2       |
| 17794.100270    | -27.8       | 11.5        | -16.2       |
| 24745.213470    | -27.8       | 11.6        | -16.2       |
| 25129.549256    | -27.8       | 11.6        | -16.2       |
| 19832.623160    | -27.9       | 11.7        | -16.2       |
| 25053.123020    | -28.0       | 11.7        | -16.2       |
| 25094.275609    | -28.0       | 11.8        | -16.2       |
| 25045.039475    | -28.1       | 11.9        | -16.2       |
| 24793.714735    | -28.1       | 11.9        | -16.2       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

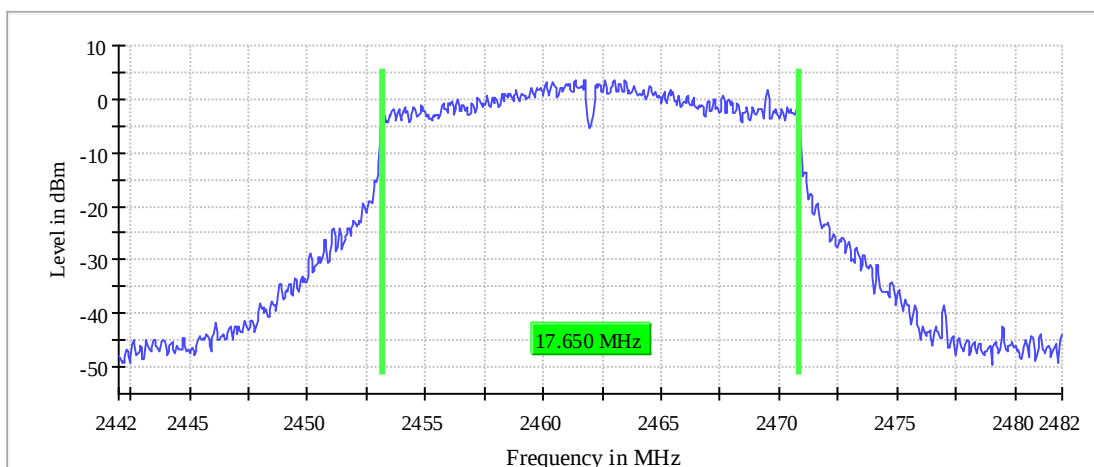
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 17.650000       | 0.500000        | ---             | 2453.175000          | 2470.825000           |

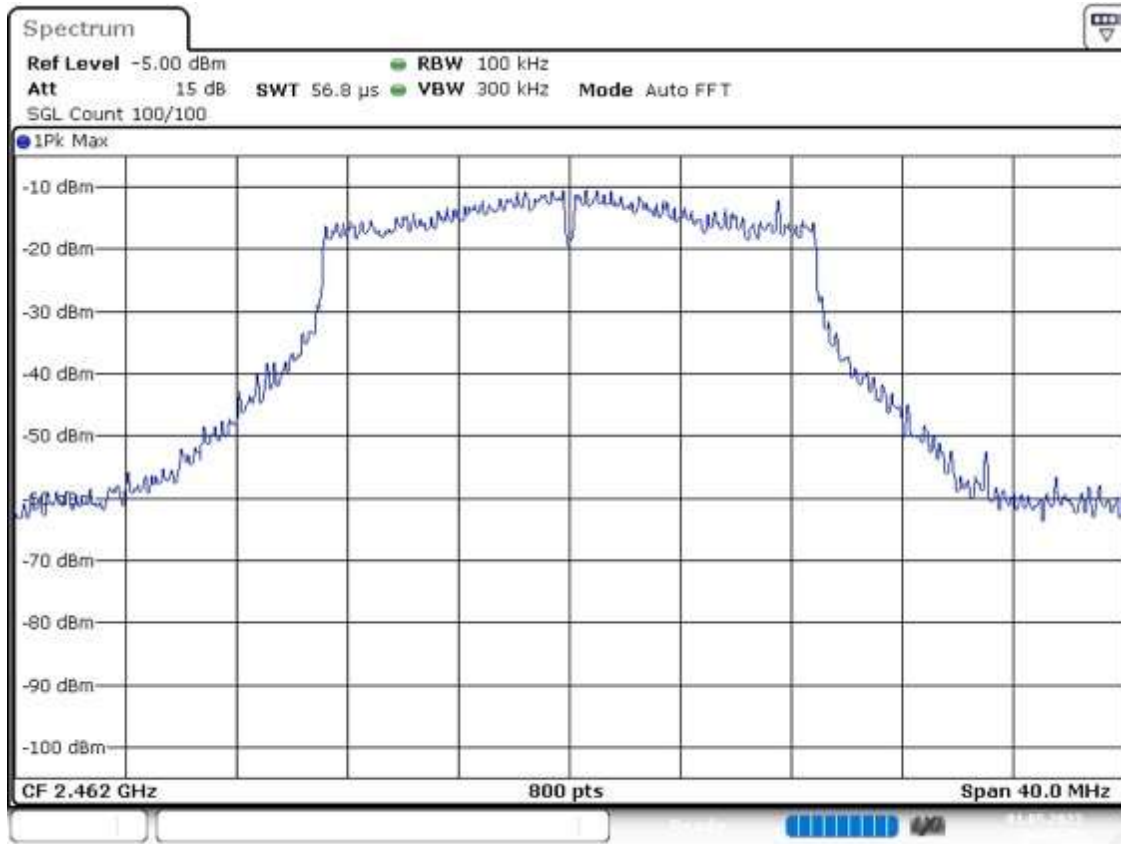
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 3.6             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 00:08:38

## Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

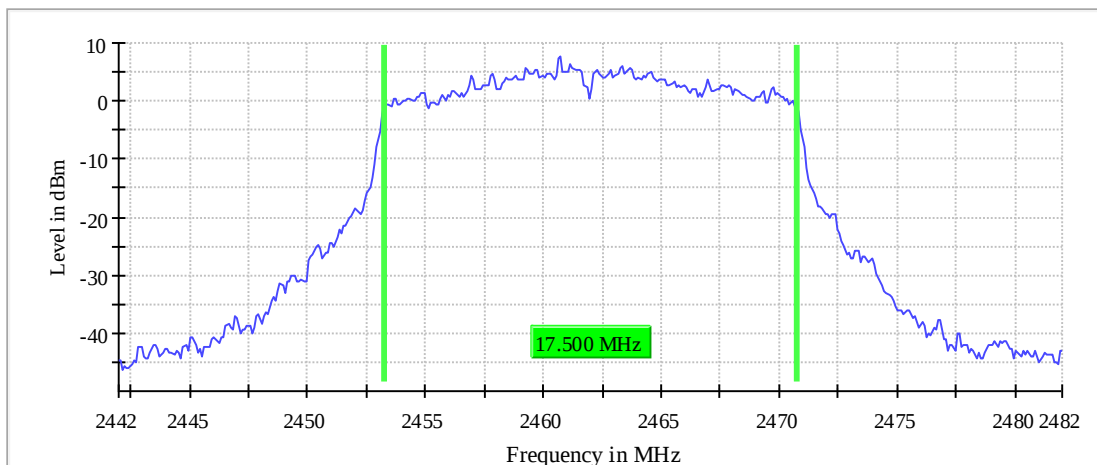
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 17.500000       | ---             | ---             | 2453.250000          | 2470.750000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 00:09:37

## Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

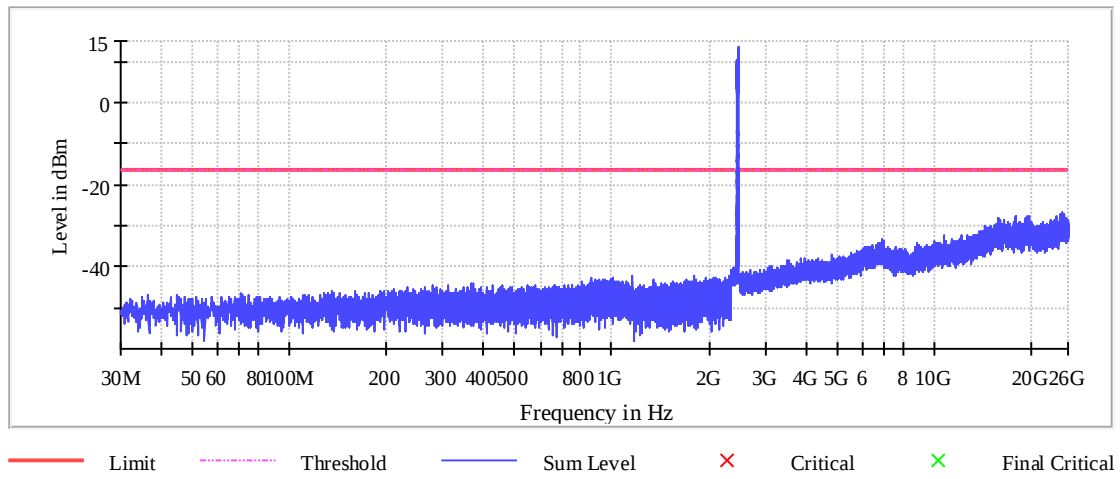
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25060.471696    | -26.9       | 10.7        | -16.3       |
| 25073.699314    | -27.0       | 10.8        | -16.3       |
| 24621.755703    | -27.3       | 11.1        | -16.3       |
| 25172.171581    | -27.4       | 11.1        | -16.3       |
| 25058.267093    | -27.6       | 11.3        | -16.3       |
| 17791.895667    | -27.6       | 11.4        | -16.3       |
| 25112.647300    | -27.6       | 11.4        | -16.3       |
| 19443.878168    | -27.7       | 11.4        | -16.3       |
| 23816.340747    | -27.7       | 11.5        | -16.3       |
| 17782.342388    | -27.7       | 11.5        | -16.3       |
| 24439.508523    | -27.8       | 11.5        | -16.3       |
| 19828.213954    | -27.8       | 11.5        | -16.3       |
| 24636.453056    | -27.8       | 11.6        | -16.3       |
| 24735.660190    | -27.9       | 11.7        | -16.3       |
| 25545.484352    | -28.0       | 11.7        | -16.3       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

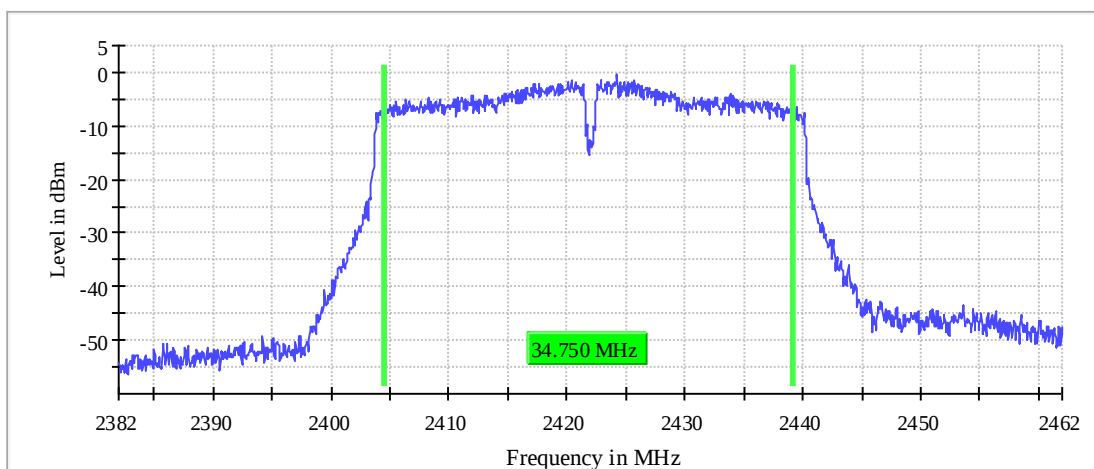
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000         | 34.750000       | 0.500000        | ---             | 2404.425000          | 2439.175000           |

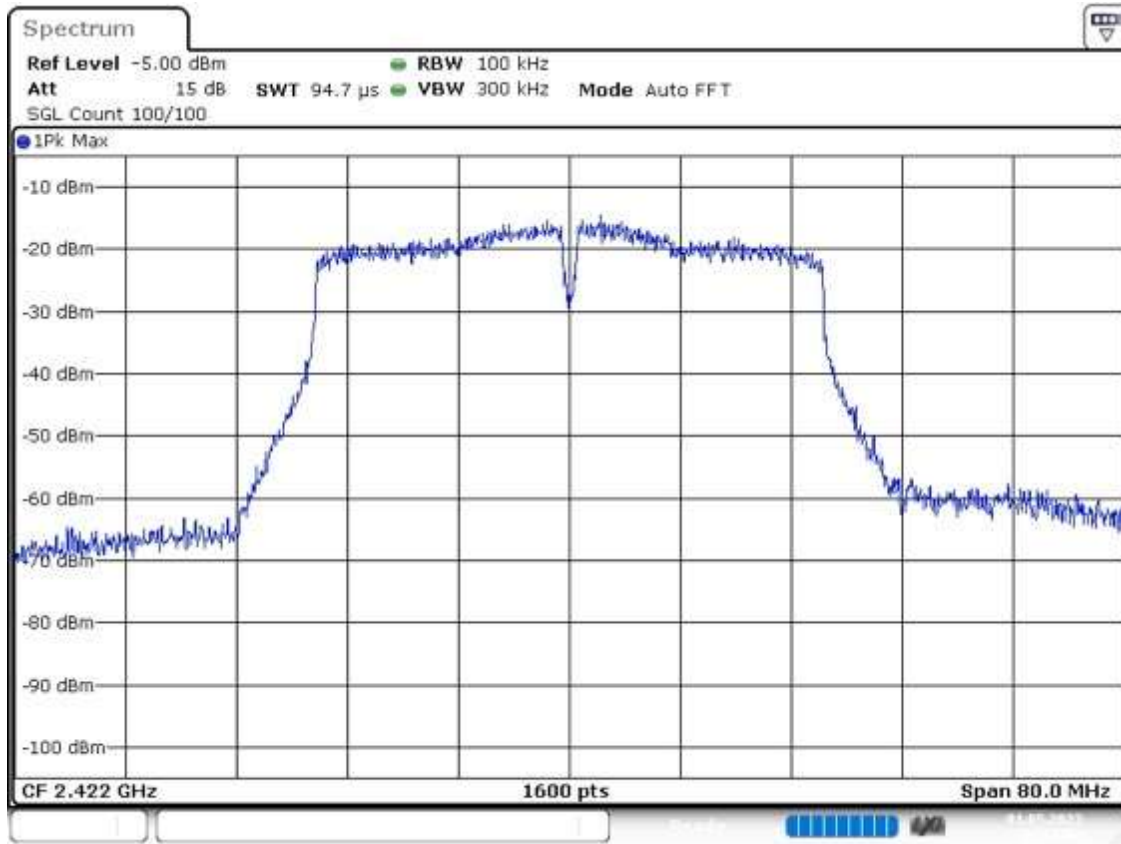
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2422.000000         | -0.5            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 00:12:05

## Occupied Channel Bandwidth 99% (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

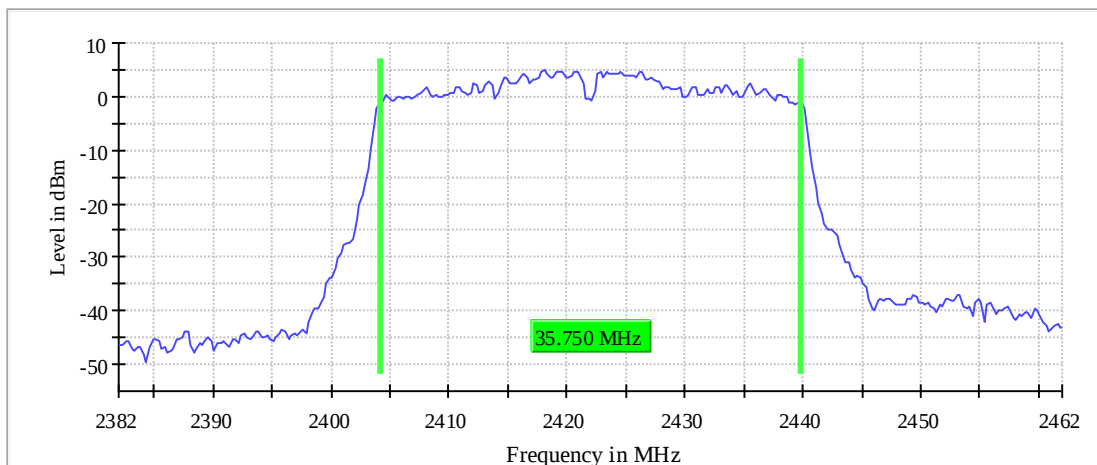
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000         | 35.750000       | ---             | ---             | 2404.125000          | 2439.875000           |

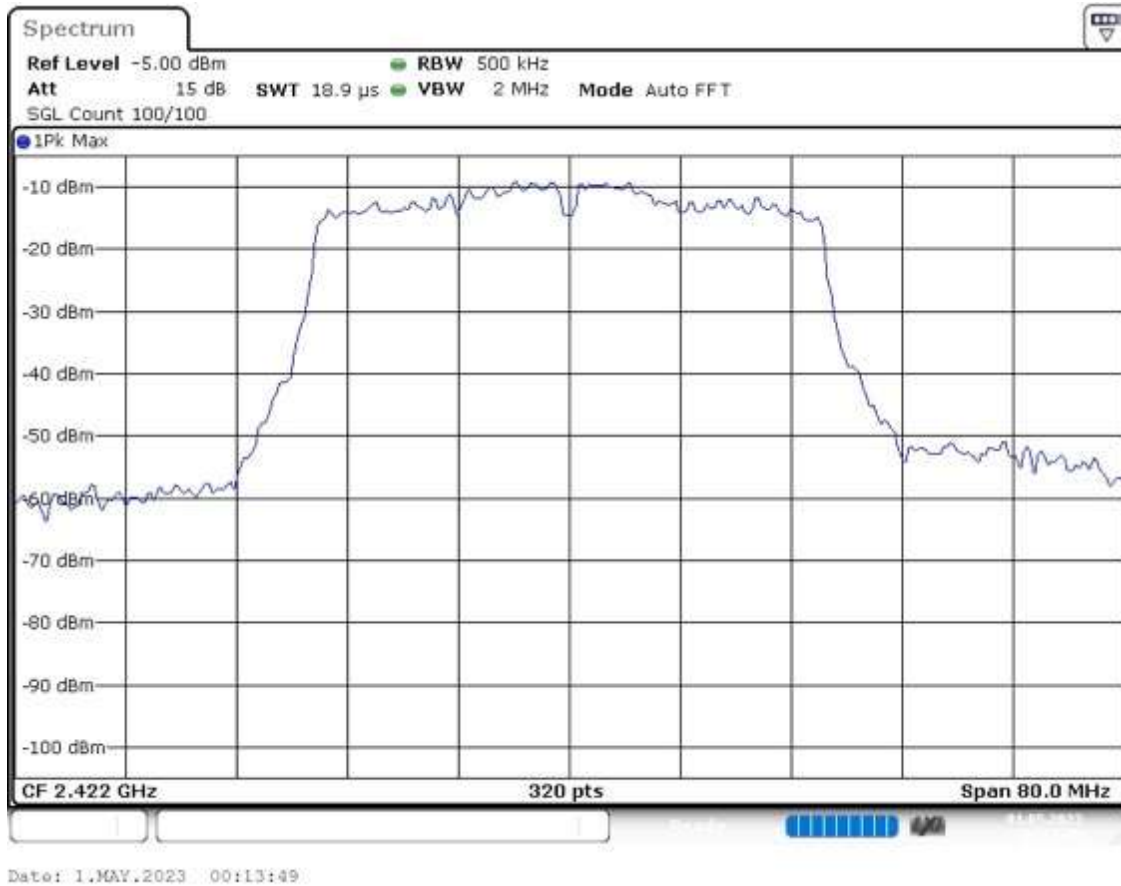
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

99 % Bandwidth



Bandwidth



## Tx Spurious Emission (2422 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

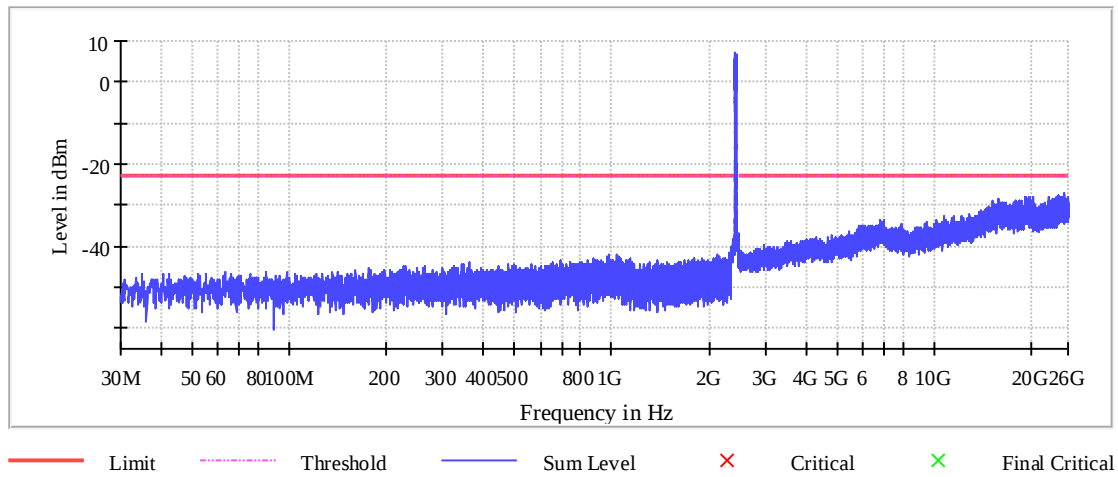
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25362.502305    | -27.2       | 4.5         | -22.7       |
| 24430.690111    | -27.4       | 4.7         | -22.7       |
| 25164.088036    | -27.6       | 4.9         | -22.7       |
| 24707.735219    | -27.7       | 5.0         | -22.7       |
| 25826.938666    | -27.8       | 5.0         | -22.7       |
| 25031.076990    | -27.8       | 5.1         | -22.7       |
| 19798.084380    | -27.8       | 5.1         | -22.7       |
| 19105.104176    | -27.9       | 5.2         | -22.7       |
| 19831.888293    | -27.9       | 5.2         | -22.7       |
| 19088.937088    | -27.9       | 5.2         | -22.7       |
| 25062.676299    | -28.0       | 5.2         | -22.7       |
| 19833.358028    | -28.0       | 5.2         | -22.7       |
| 24761.380558    | -28.0       | 5.2         | -22.7       |
| 25081.047991    | -28.1       | 5.4         | -22.7       |
| 24662.173424    | -28.1       | 5.4         | -22.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

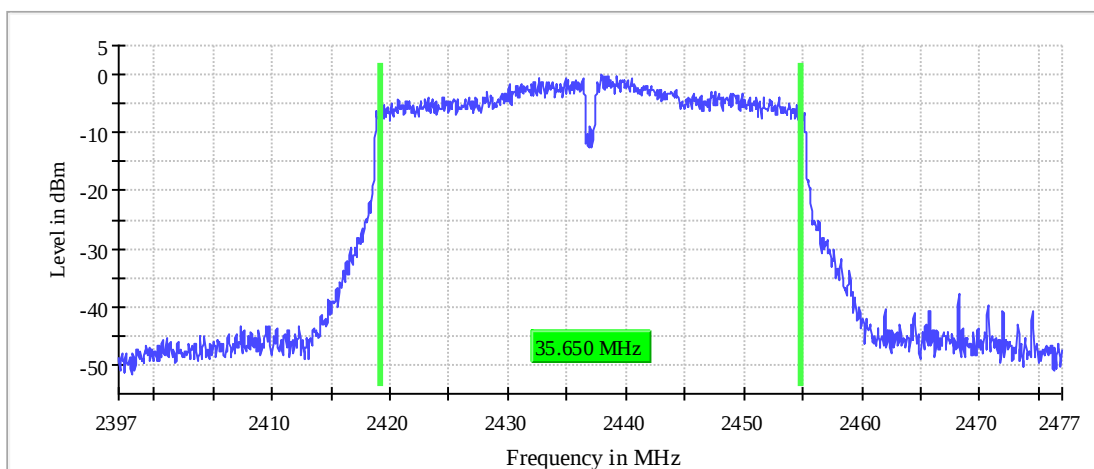
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 35.650000       | 0.500000        | ---             | 2419.175000          | 2454.825000           |

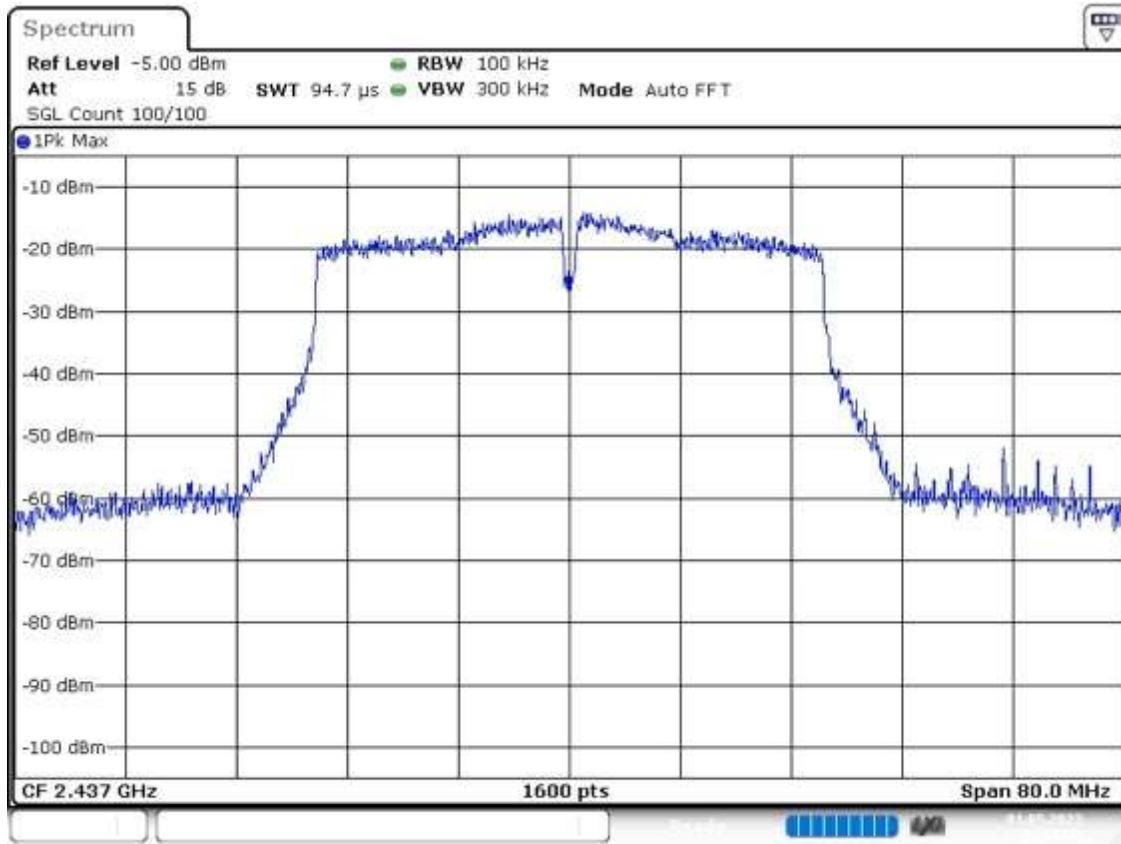
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | -0.1            | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 00:16:57

## Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

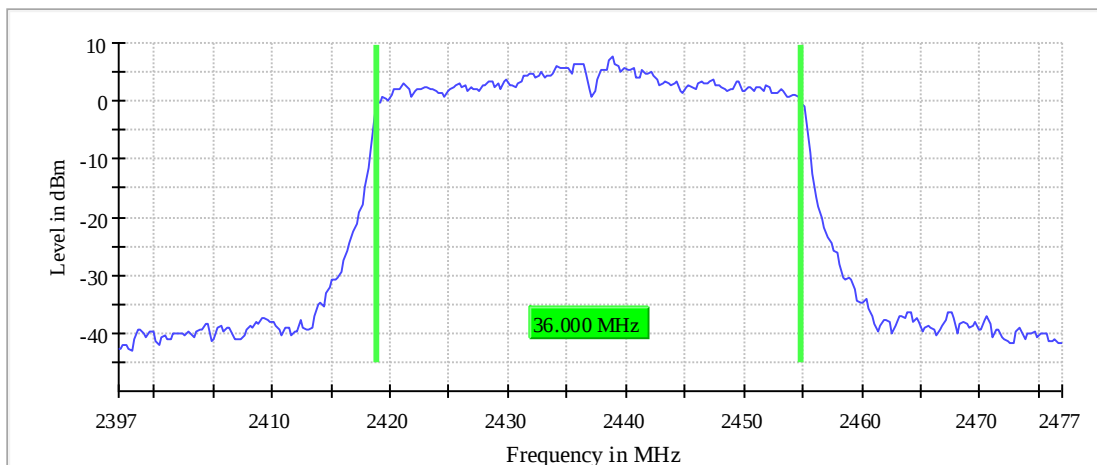
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 36.000000       | ---             | ---             | 2418.875000          | 2454.875000           |

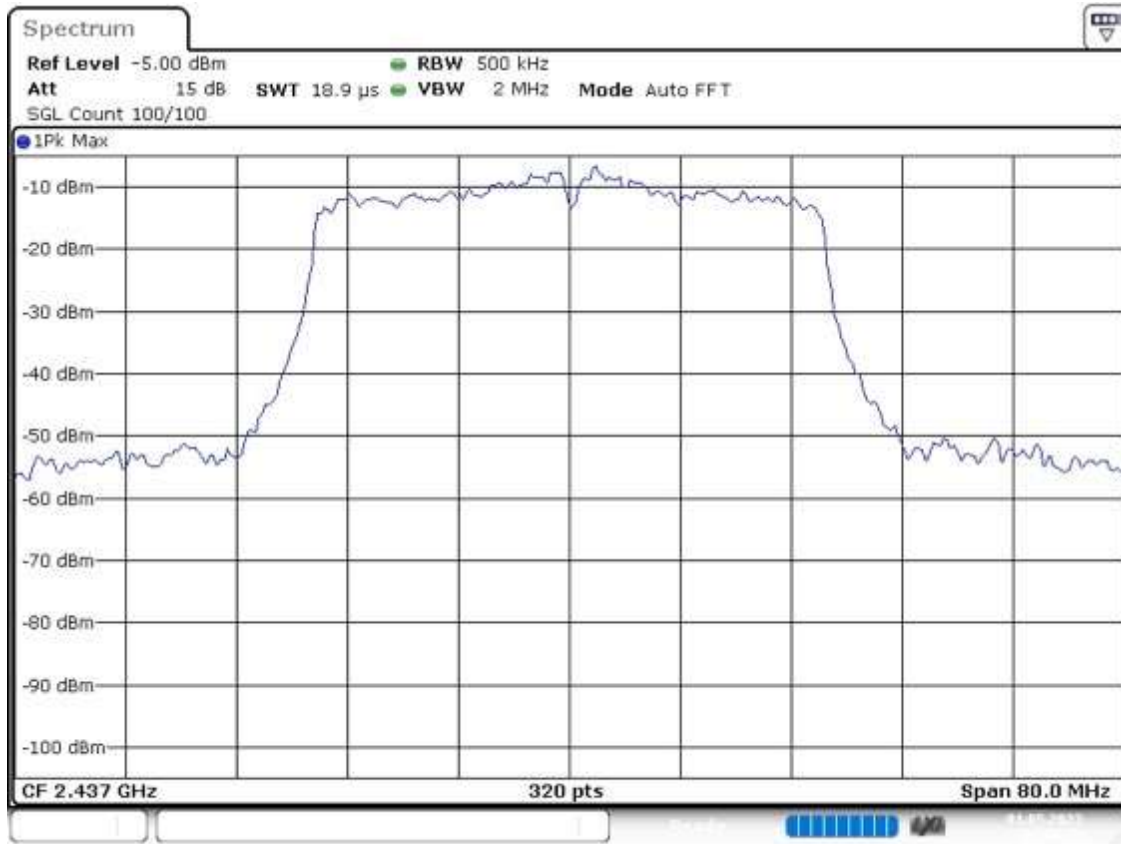
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 00:18:10

## Tx Spurious Emission (2437 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

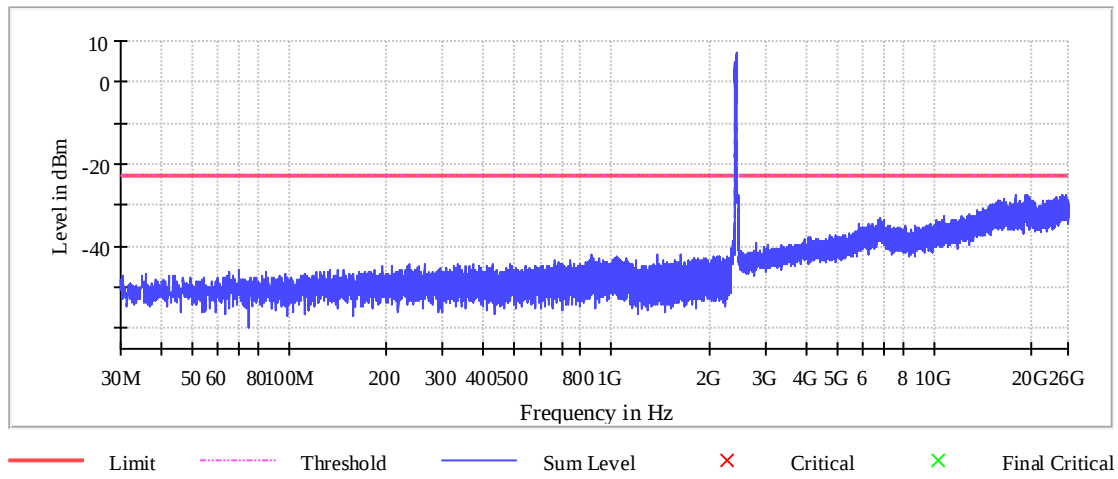
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 19444.613036    | -27.6       | 4.9         | -22.7       |
| 24795.184471    | -27.6       | 4.9         | -22.7       |
| 25498.452822    | -27.6       | 4.9         | -22.7       |
| 17790.425932    | -27.6       | 4.9         | -22.7       |
| 25081.047991    | -27.6       | 4.9         | -22.7       |
| 19089.671956    | -27.7       | 5.0         | -22.7       |
| 25405.124629    | -27.8       | 5.1         | -22.7       |
| 25446.277218    | -27.8       | 5.1         | -22.7       |
| 24770.198970    | -27.9       | 5.2         | -22.7       |
| 19155.075177    | -27.9       | 5.2         | -22.7       |
| 25036.221063    | -27.9       | 5.2         | -22.7       |
| 24931.134988    | -27.9       | 5.2         | -22.7       |
| 25043.569740    | -28.0       | 5.3         | -22.7       |
| 25081.782858    | -28.0       | 5.3         | -22.7       |
| 24659.968821    | -28.0       | 5.3         | -22.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



## Minimum Emission Bandwidth 6 dB (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

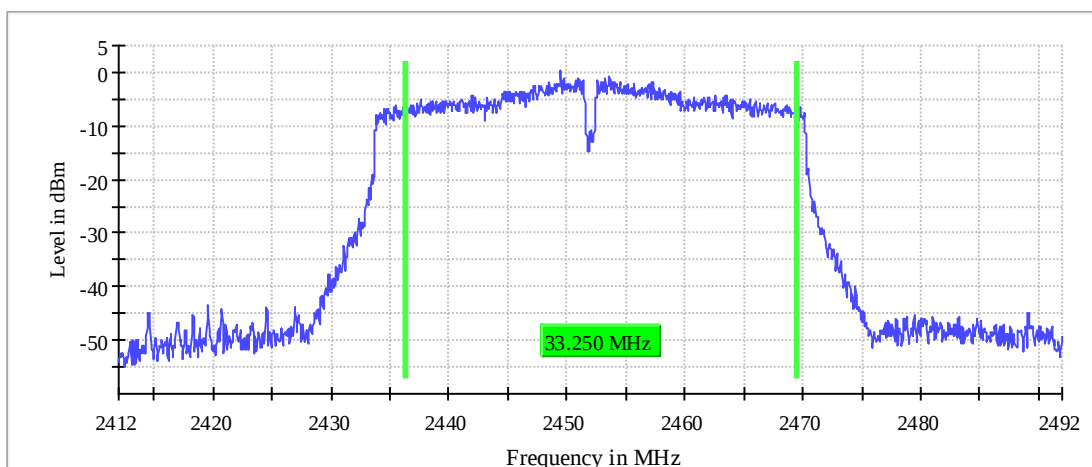
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000         | 33.250000       | 0.500000        | ---             | 2436.325000          | 2469.575000           |

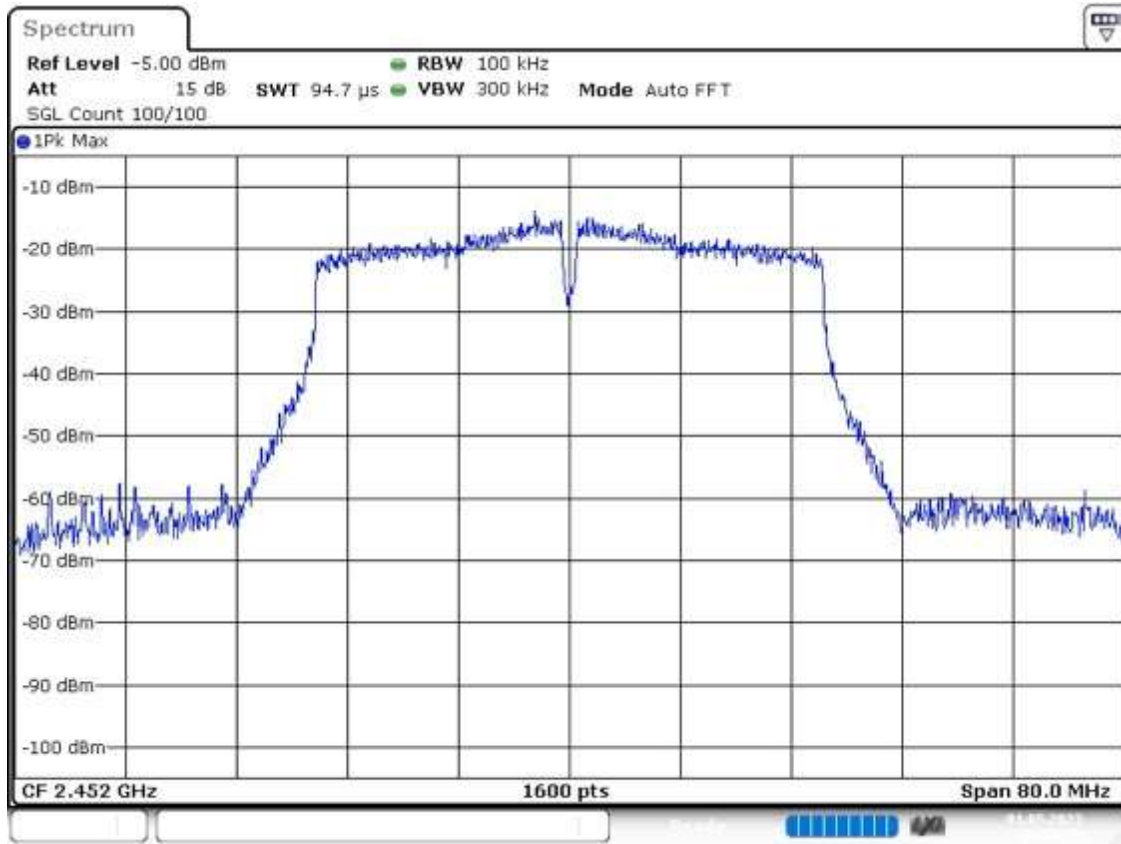
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2452.000000         | 0.2             | PASS   |

6 dB Bandwidth



Bandwidth



Date: 1.MAY.2023 00:20:31

## Occupied Channel Bandwidth 99% (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

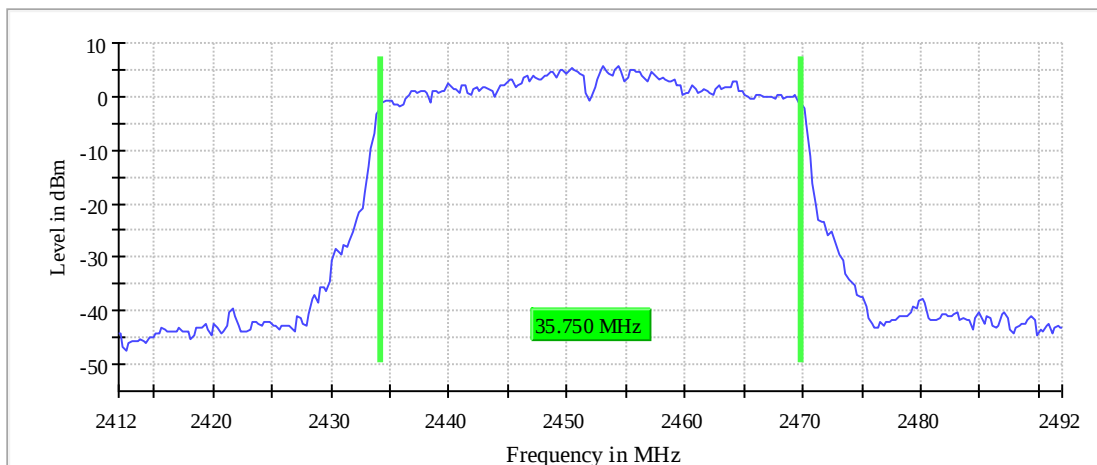
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000         | 35.750000       | ---             | ---             | 2434.125000          | 2469.875000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

99 % Bandwidth



Bandwidth



Date: 1.MAY.2023 00:22:13

## Tx Spurious Emission (2452 MHz; 24.000 dBm; 40 MHz)

Customized settings.

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

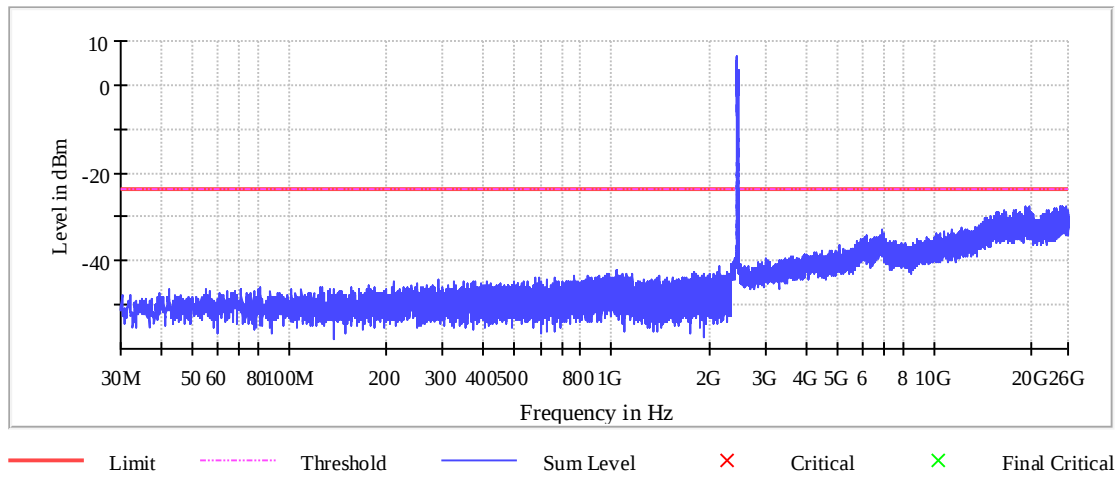
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 25111.912432    | -27.5       | 4.0         | -23.5       |
| 25075.903917    | -27.6       | 4.1         | -23.5       |
| 25472.732454    | -27.6       | 4.1         | -23.5       |
| 24723.902308    | -27.7       | 4.2         | -23.5       |
| 19079.383808    | -27.7       | 4.2         | -23.5       |
| 24948.771812    | -27.8       | 4.3         | -23.5       |
| 24689.363528    | -27.8       | 4.3         | -23.5       |
| 25112.647300    | -27.8       | 4.3         | -23.5       |
| 19837.032366    | -27.8       | 4.3         | -23.5       |
| 24708.470087    | -27.8       | 4.4         | -23.5       |
| 25095.010476    | -27.9       | 4.4         | -23.5       |
| 25071.494711    | -27.9       | 4.4         | -23.5       |
| 23734.770437    | -28.0       | 4.5         | -23.5       |
| 19094.081162    | -28.0       | 4.5         | -23.5       |
| 25156.739360    | -28.1       | 4.6         | -23.5       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2350.000000          | 1               | 1                 |
| 2350.000000           | 2483.500000          | 2               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious



**-- End of Report --**