

# FCC Part 47 §15.247 2400-2483.5 MHz 2015

## DUT Information

### Frequencies

|                       |                       |                       |
|-----------------------|-----------------------|-----------------------|
| 2402 MHz (2402 MHz)   | WLAN CH 3 (2422 MHz)  | WLAN CH 6 (2437 MHz)  |
| WLAN CH 9 (2452 MHz)  | 2440 MHz (2440 MHz)   | 2480 MHz (2480 MHz)   |
| WLAN CH 2 (2417 MHz)  | WLAN CH 4 (2427 MHz)  | WLAN CH 5 (2432 MHz)  |
| WLAN CH 7 (2442 MHz)  | WLAN CH 8 (2447 MHz)  | WLAN CH 10 (2457 MHz) |
| WLAN CH 11 (2462 MHz) | WLAN CH 12 (2467 MHz) | WLAN CH 13 (2472 MHz) |
| WLAN CH 1 (2412 MHz)  |                       |                       |

### Bandwidths

|                 |               |                 |
|-----------------|---------------|-----------------|
| 2 MHz (2 MHz)   | 1 MHz (1 MHz) | 20 MHz (20 MHz) |
| 40 MHz (40 MHz) |               |                 |

### Power

20.000 dBm (20 dBm)

### Beamforming Gain

|                     |      |
|---------------------|------|
| 20.000 dBm (20 dBm) | 0 dB |
|---------------------|------|

### Gain Tables

|                     |              |
|---------------------|--------------|
| 20.000 dBm (20 dBm) | Port 1: ---; |
|---------------------|--------------|

### DUT Settings

|                            |       |
|----------------------------|-------|
| No. of transmission chains | 1     |
| Equipment Type             | Other |
| Digital Modulation         | Yes   |
| Frequency Hopping          | No    |

## Hardware Setup: WMS Measurements\TS8997

|                    |                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Spectrum Analyzer: | SA FSV 40 (SA FSV 40) @ VISA (ADR<br>TCPIP::192.168.48.111::INST0::INSTR), SN 1321.3008K39/101229,<br>FW 3.40               |
| Vector Generator:  | VG SMBV100B (VG SMBV100B) @ VISA (ADR<br>TCPIP::192.168.48.29::INST0::INSTR), SN 101685, FW 4.70.006.33                     |
| Generator:         | SMB100Aa (SMB100A) @ VISA (ADR<br>TCPIP::192.168.48.30::INST0::INSTR), SN 177894, FW / Drv:Rev<br>2.21.0, 07/2016, CVI 2015 |
| OSP:               | OSP-B157W (OSP-B157W) @ VISA (ADR<br>TCPIP::192.168.48.157::INST0::INSTR), SN 1527.1144. / , FW<br>1.27.0.0                 |

## Summary

| Test                            | Frequency (MHz) | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result |
|---------------------------------|-----------------|---------------------|-------------------------|--------|
| Minimum Emission Bandwidth 6 dB | 2412.000        | 20.0                | 20.000000               | PASS   |
| Emission Bandwidth 20 dB        | 2412.000        | 20.0                | 20.000000               | PASS   |
| RF output power                 | 2412.000        | 20.0                | 20.000000               | PASS   |
| Peak Power Spectral Density     | 2412.000        | 20.0                | 20.000000               | PASS   |
| Band Edge low                   | 2412.000        | 20.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2412.000        | 20.0                | 20.000000               | PASS   |
| Emission Bandwidth 20 dB        | 2437.000        | 20.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2437.000        | 20.0                | 20.000000               | PASS   |
| RF output power                 | 2437.000        | 20.0                | 20.000000               | PASS   |
| Peak Power Spectral Density     | 2437.000        | 20.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2437.000        | 20.0                | 20.000000               | PASS   |
| Emission Bandwidth 20 dB        | 2462.000        | 20.0                | 20.000000               | PASS   |
| Minimum Emission Bandwidth 6 dB | 2462.000        | 20.0                | 20.000000               | PASS   |
| RF output power                 | 2462.000        | 20.0                | 20.000000               | PASS   |
| Peak Power Spectral Density     | 2462.000        | 20.0                | 20.000000               | PASS   |
| Band Edge high                  | 2462.000        | 20.0                | 20.000000               | PASS   |
| Tx Spurious Emission            | 2462.000        | 20.0                | 20.000000               | PASS   |

## Minimum Emission Bandwidth 6 dB (2412 MHz; 20.000 dBm; 20 MHz)

Customized settings.

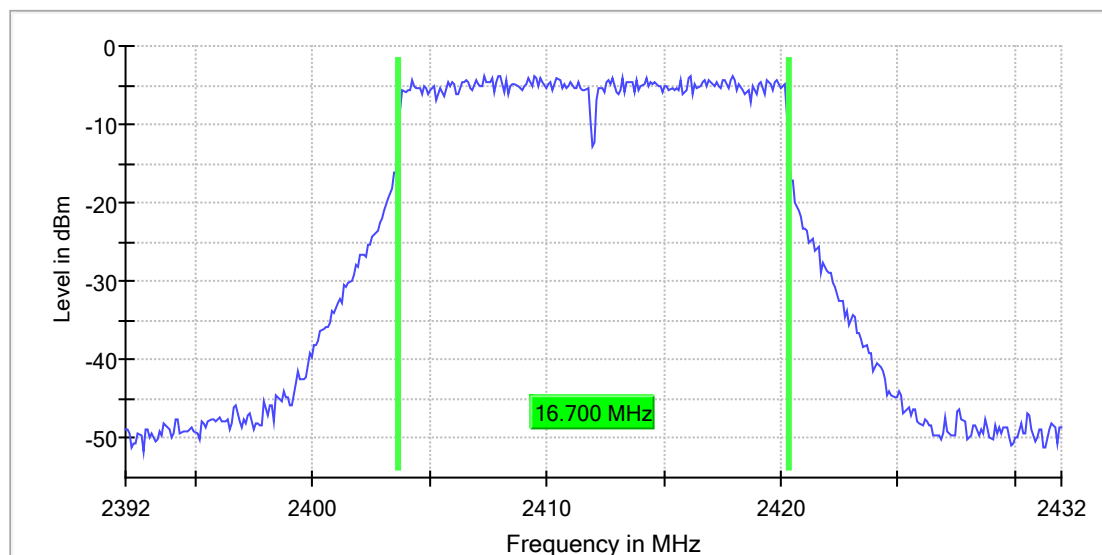
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### 6 dB Bandwidth

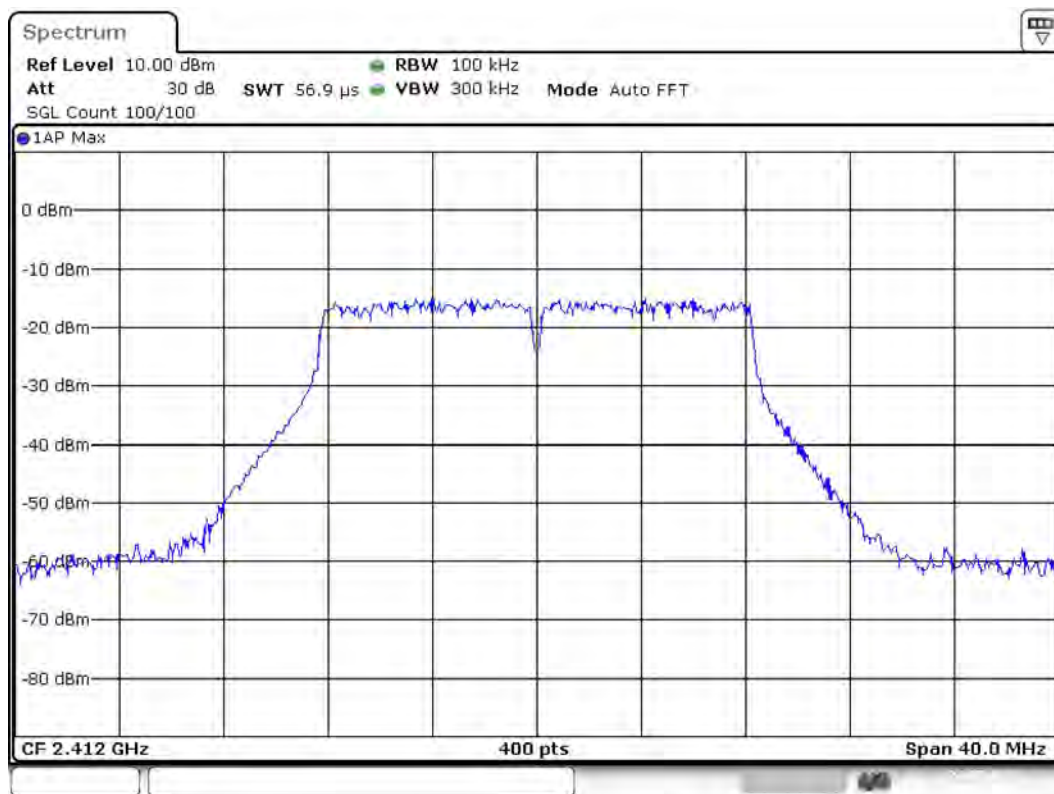
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 16.700000       | 0.500000        | ---             | 2403.650000          | 2420.350000           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | -3.8            | PASS   |



Bandwidth



Date: 24.JUL.2023 07:54:17

## 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           | 400              | ~ 400         |
| SweepTime             | 56.886 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | Peak             | Peak          |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 1 / max. 1       | max. 1        |
| Stable                | 0 / 1            | 1             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

Emission Bandwidth 20 dB (2412 MHz; 20.000 dBm; 20 MHz)

Customized settings.

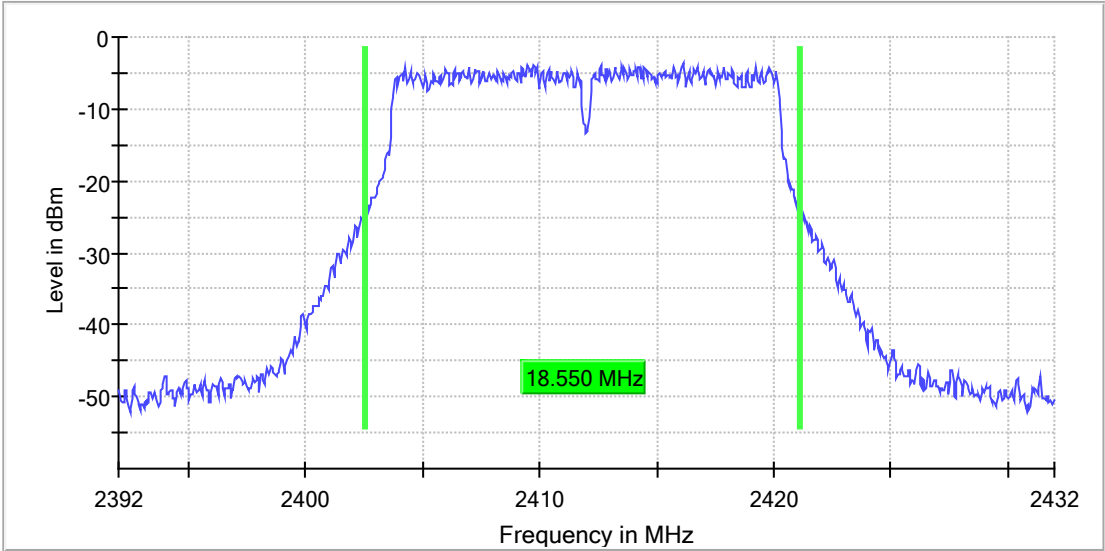
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

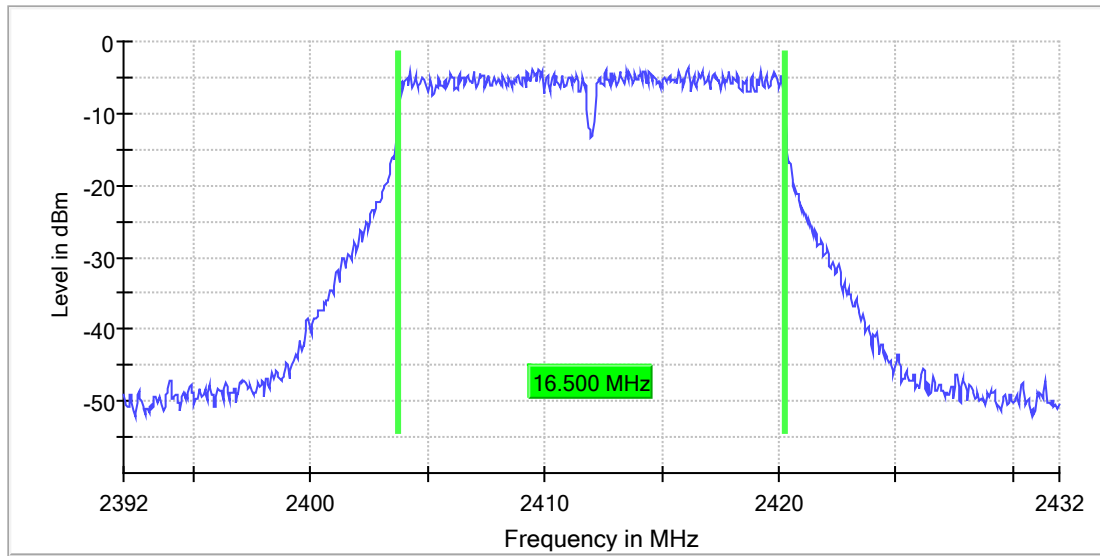
20 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 18.550000       | ---             | ---             | 2402.575000          | 2421.125000           |

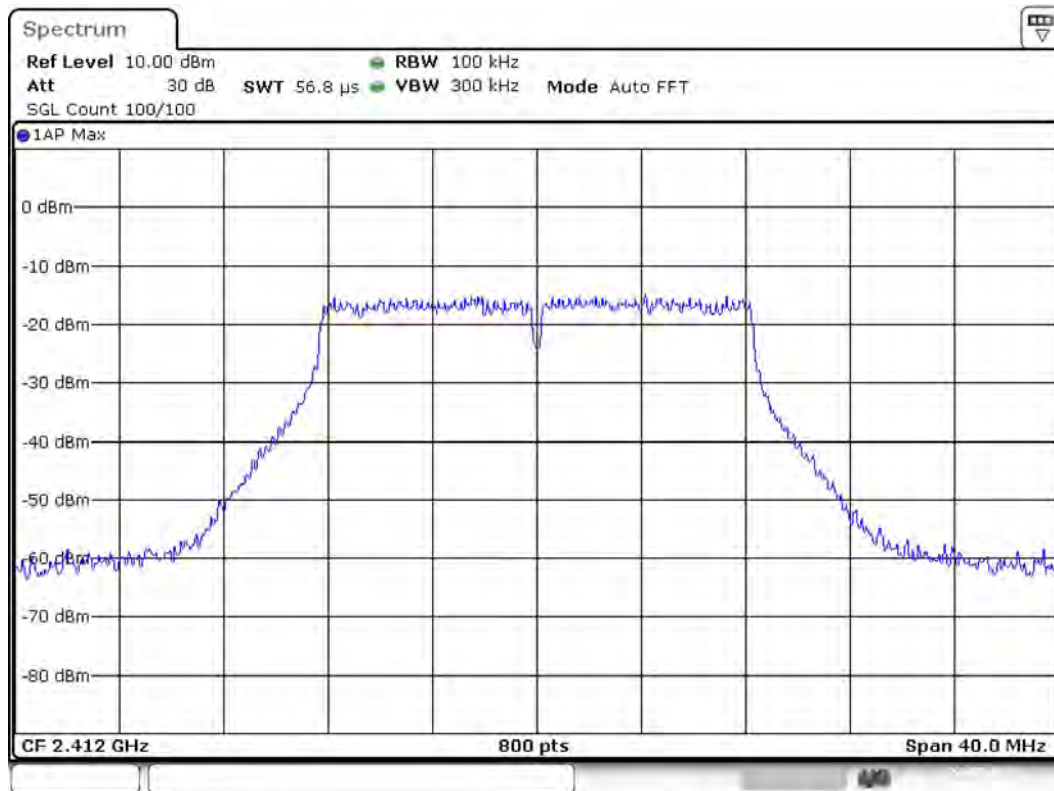
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | -3.6            | PASS   |





Bandwidth



Date: 24.JUL.2023 07:54:29

## Measurement

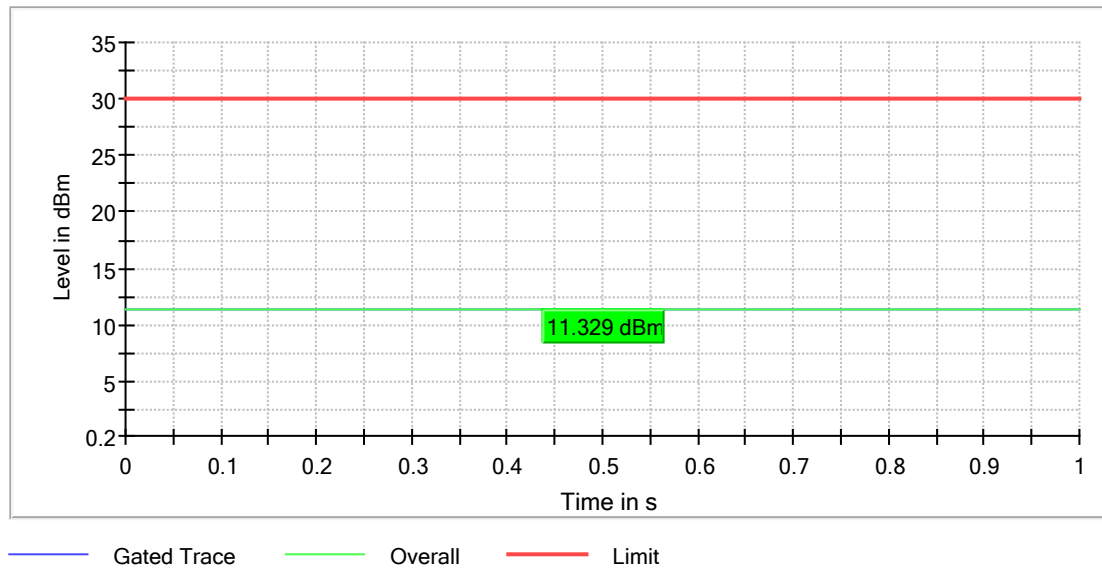
| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz    |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz  |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 800              | ~ 800          |
| SweepTime             | 56.836 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

**RF output power (2412 MHz; 20.000 dBm; 20 MHz)**

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

**Result**

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 11.3            | 30.0            | 11.3             | 100.000       | PASS   |



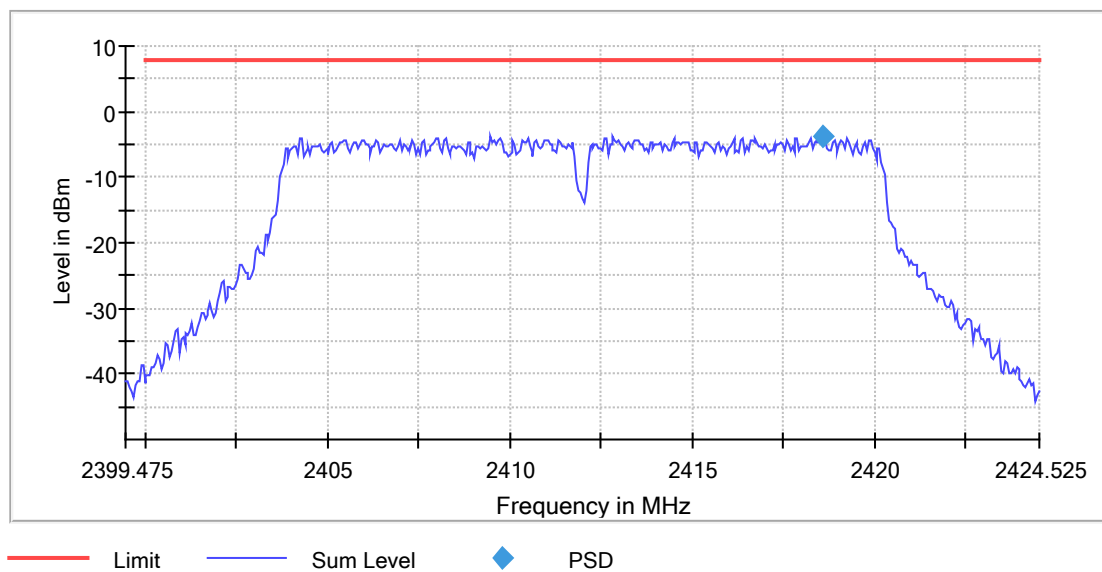
## Peak Power Spectral Density (2412 MHz; 20.000 dBm; 20 MHz)

Customized settings.

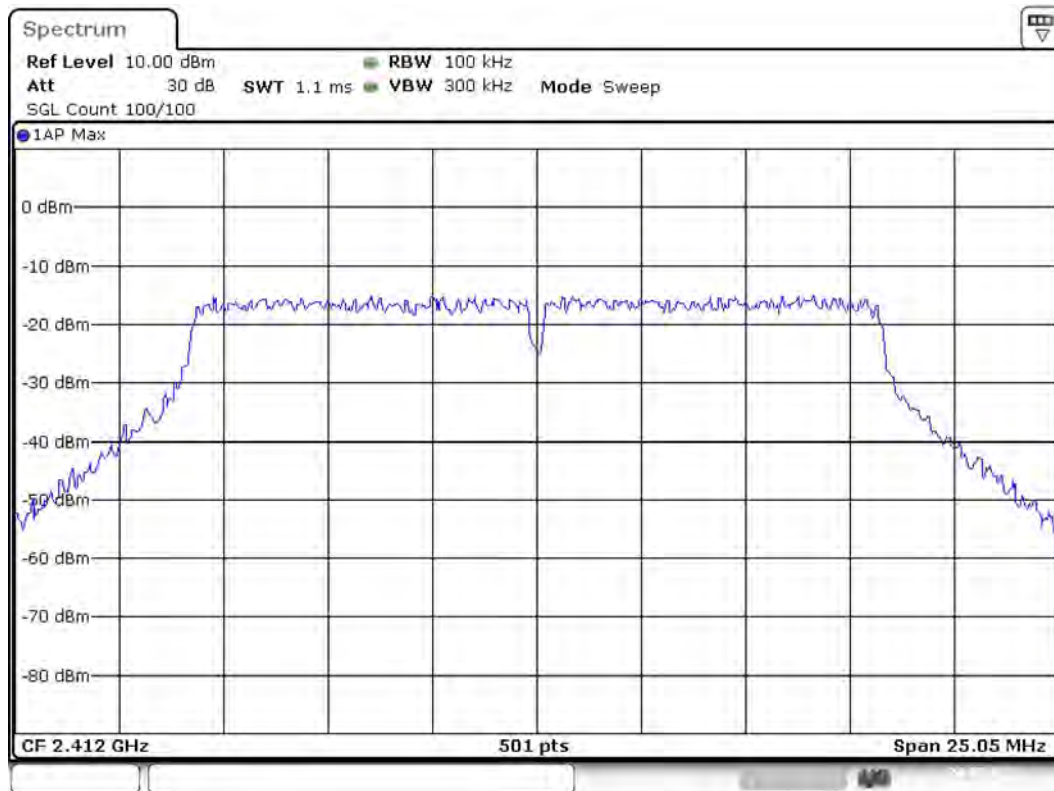
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2418.600000     | -3.749    | 8.0             | PASS   |



PSD Connector 1



Date: 24.JUL.2023 07:55:03

## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.39948 GHz      | 2.39948 GHz    |
| Stop Frequency        | 2.42453 GHz      | 2.42453 GHz    |
| Span                  | 25.050 MHz       | 25.050 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 501              | ~ 501          |
| SweepTime             | 1.050 ms         | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | Sweep          |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Band Edge low (2412 MHz; 20.000 dBm; 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

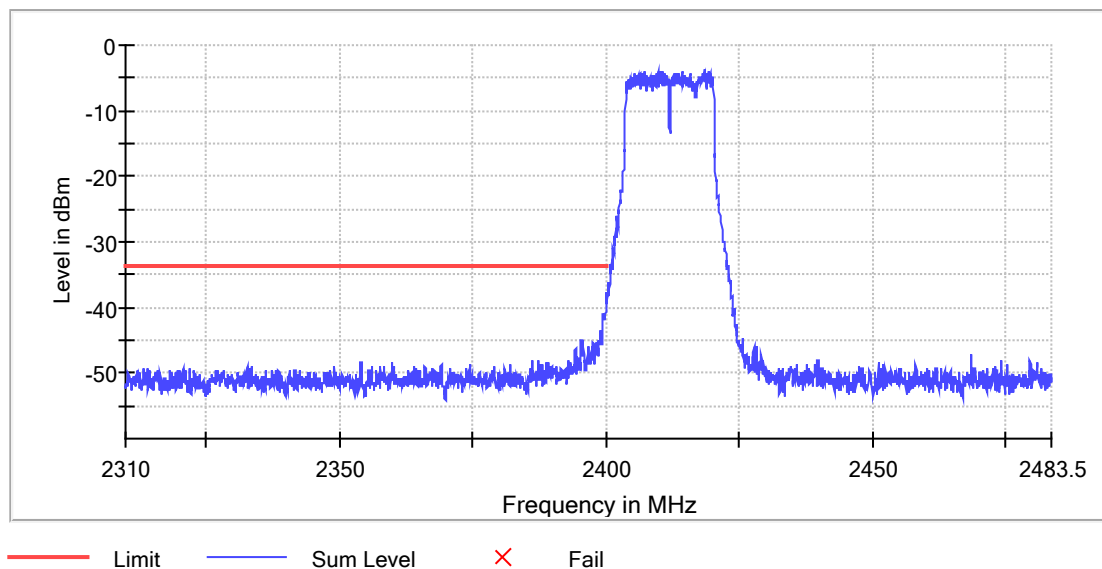
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2418.625000     | -3.6        |

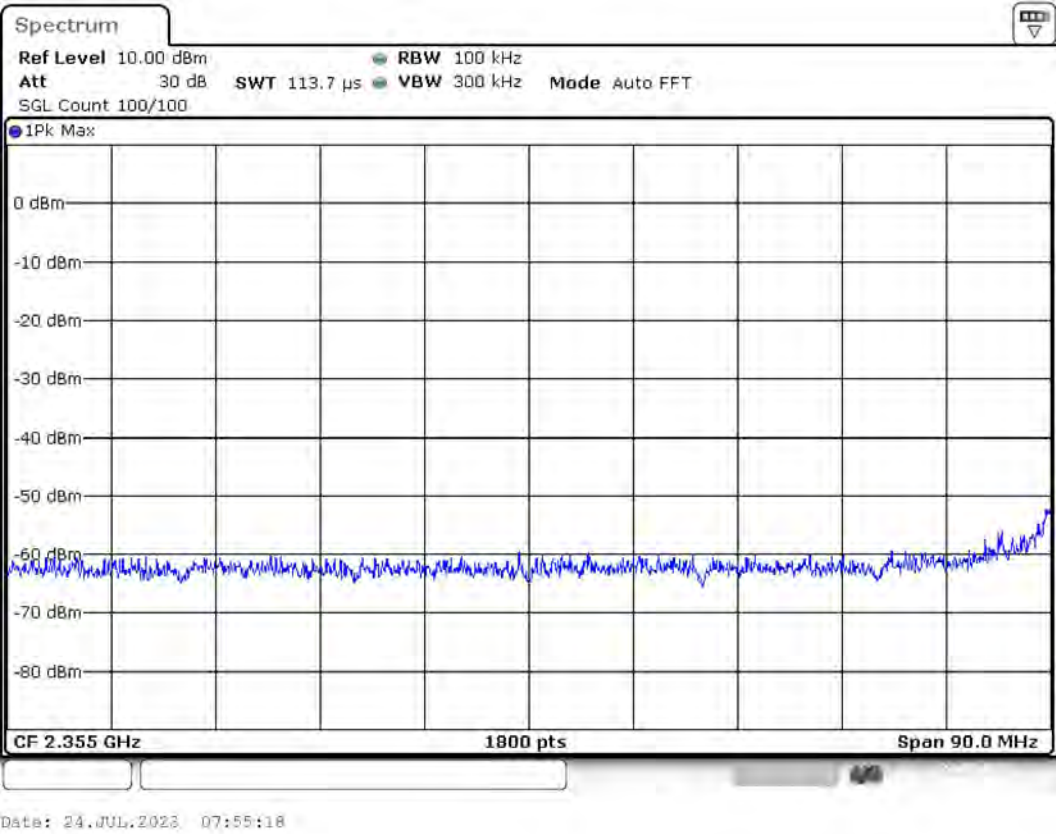
### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.975000     | -40.8       | 7.2         | -33.6       | PASS   |
| 2399.925000     | -40.9       | 7.3         | -33.6       | PASS   |
| 2399.875000     | -40.9       | 7.3         | -33.6       | PASS   |
| 2399.825000     | -41.1       | 7.5         | -33.6       | PASS   |
| 2399.775000     | -41.1       | 7.5         | -33.6       | PASS   |
| 2399.725000     | -41.1       | 7.5         | -33.6       | PASS   |
| 2399.675000     | -41.1       | 7.5         | -33.6       | PASS   |
| 2399.625000     | -41.2       | 7.6         | -33.6       | PASS   |
| 2399.575000     | -41.6       | 8.0         | -33.6       | PASS   |
| 2399.525000     | -41.7       | 8.1         | -33.6       | PASS   |
| 2399.475000     | -41.8       | 8.1         | -33.6       | PASS   |
| 2399.425000     | -42.0       | 8.4         | -33.6       | PASS   |
| 2399.375000     | -42.9       | 9.3         | -33.6       | PASS   |
| 2399.325000     | -43.2       | 9.6         | -33.6       | PASS   |
| 2399.275000     | -43.4       | 9.7         | -33.6       | PASS   |
| 2398.925000     | -43.4       | 9.8         | -33.6       | PASS   |

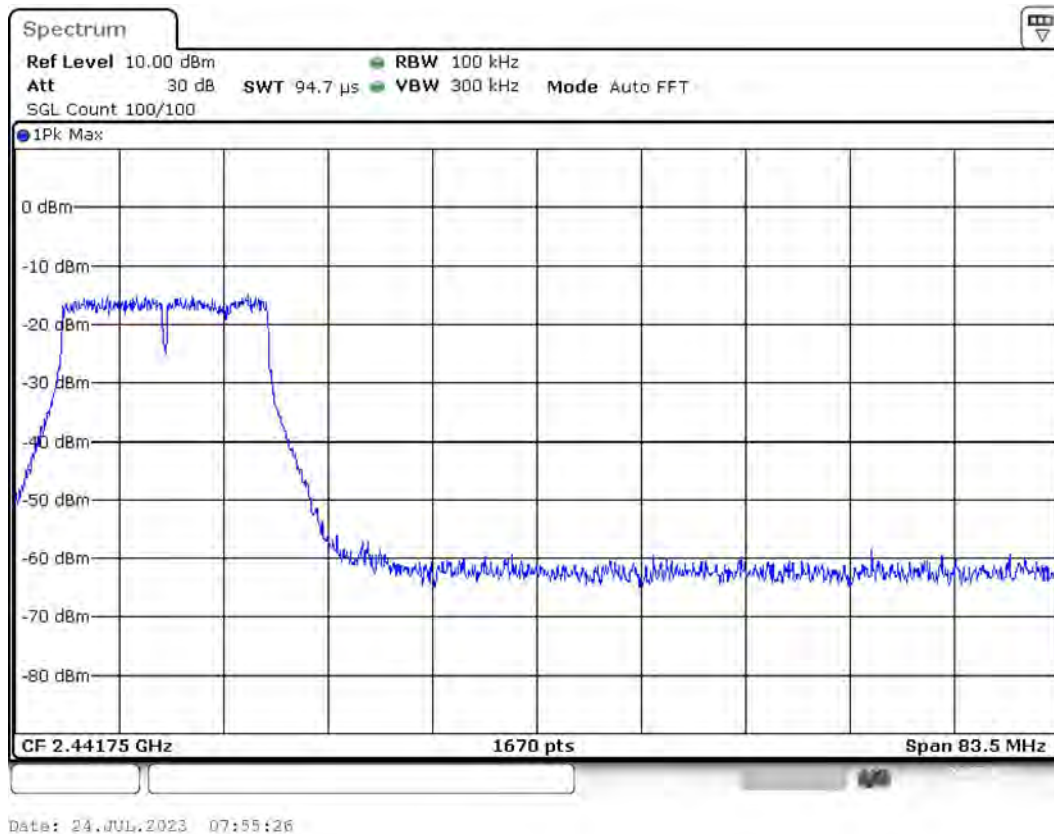


Band Edge Connector 1\_0





Band Edge Connector 1\_1



## Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| Start Frequency       | 2.31000 GHz      | 2.31000 GHz        |
| Stop Frequency        | 2.40000 GHz      | 2.40000 GHz        |
| Span                  | 90.000 MHz       | 90.000 MHz         |
| RBW                   | 100.000 kHz      | $\leq$ 100.000 kHz |
| VBW                   | 300.000 kHz      | $\geq$ 300.000 kHz |
| SweepPoints           | 1800             | $\sim$ 1800        |
| Sweptime              | 113.672 $\mu$ s  | AUTO               |
| Reference Level       | 10.000 dBm       | 10.000 dBm         |
| Attenuation           | 30.000 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                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 2 / max. 11      | max. 11            |
| Stable                | 1 / 1            | 1                  |
| Max Stable Difference | 0.00 dB          | 0.50 dB            |

## Measurement 2

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 2.40000 GHz      | 2.40000 GHz        |
| Stop Frequency  | 2.48350 GHz      | 2.48350 GHz        |
| Span            | 83.500 MHz       | 83.500 MHz         |
| RBW             | 100.000 kHz      | $\leq$ 100.000 kHz |
| VBW             | 300.000 kHz      | $\geq$ 300.000 kHz |

|                       |            |            |
|-----------------------|------------|------------|
| SweepPoints           | 1670       | ~ 1670     |
| SweepTime             | 94.727 µs  | AUTO       |
| Reference Level       | 10.000 dBm | 10.000 dBm |
| Attenuation           | 30.000 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        |
| Stablemode            | Trace      | Trace      |
| Stablevalue           | 0.50 dB    | 0.50 dB    |
| Run                   | 1 / max. 1 | max. 1     |
| Stable                | 0 / 1      | 1          |
| Max Stable Difference | 0.00 dB    | 0.50 dB    |

## Tx Spurious Emission (2412 MHz; 20.000 dBm; 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

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

### Final measurements

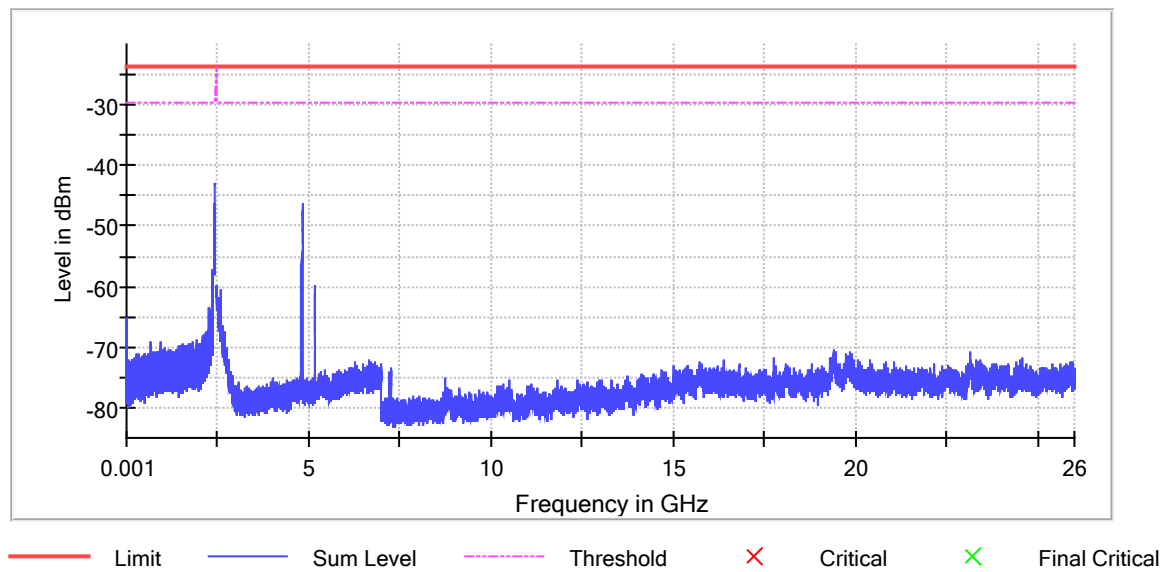
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

### Pre Measurements

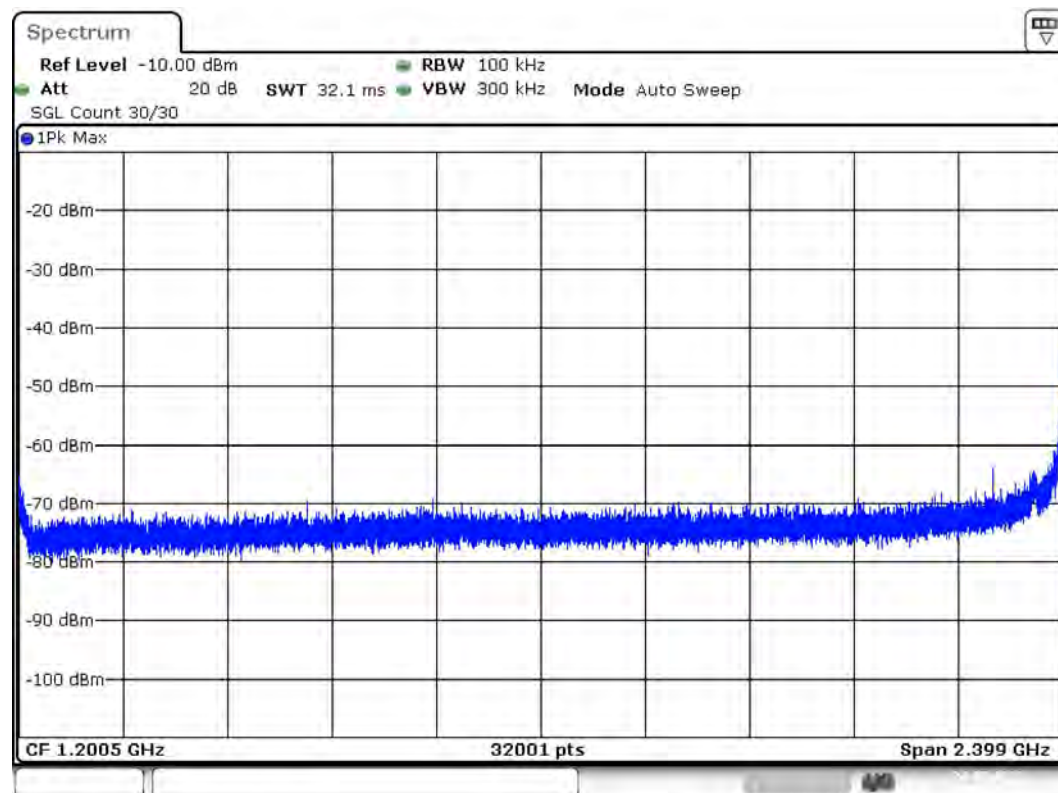
| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2399.887550     | -42.7       | 19.0        | -23.7       |
| 2400.000000     | -43.1       | 19.3        | -23.7       |
| 2399.962517     | -43.1       | 19.3        | -23.7       |
| 2399.812584     | -45.5       | 21.7        | -23.7       |
| 2399.662651     | -46.1       | 22.3        | -23.7       |
| 4821.481462     | -46.2       | 22.4        | -23.7       |
| 2399.362786     | -46.2       | 22.5        | -23.7       |
| 2399.737618     | -46.4       | 22.7        | -23.7       |
| 2399.437752     | -46.6       | 22.9        | -23.7       |
| 2399.137886     | -46.8       | 23.0        | -23.7       |
| 2399.212853     | -47.1       | 23.4        | -23.7       |
| 4822.216329     | -47.1       | 23.4        | -23.7       |
| 4825.155800     | -47.3       | 23.5        | -23.7       |
| 4820.011726     | -47.3       | 23.6        | -23.7       |
| 2399.587685     | -47.4       | 23.6        | -23.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 1.000000              | 2400.000000          | 1               | 1                 |
| 2483.500000           | 26000.000000         | 2               | 2                 |

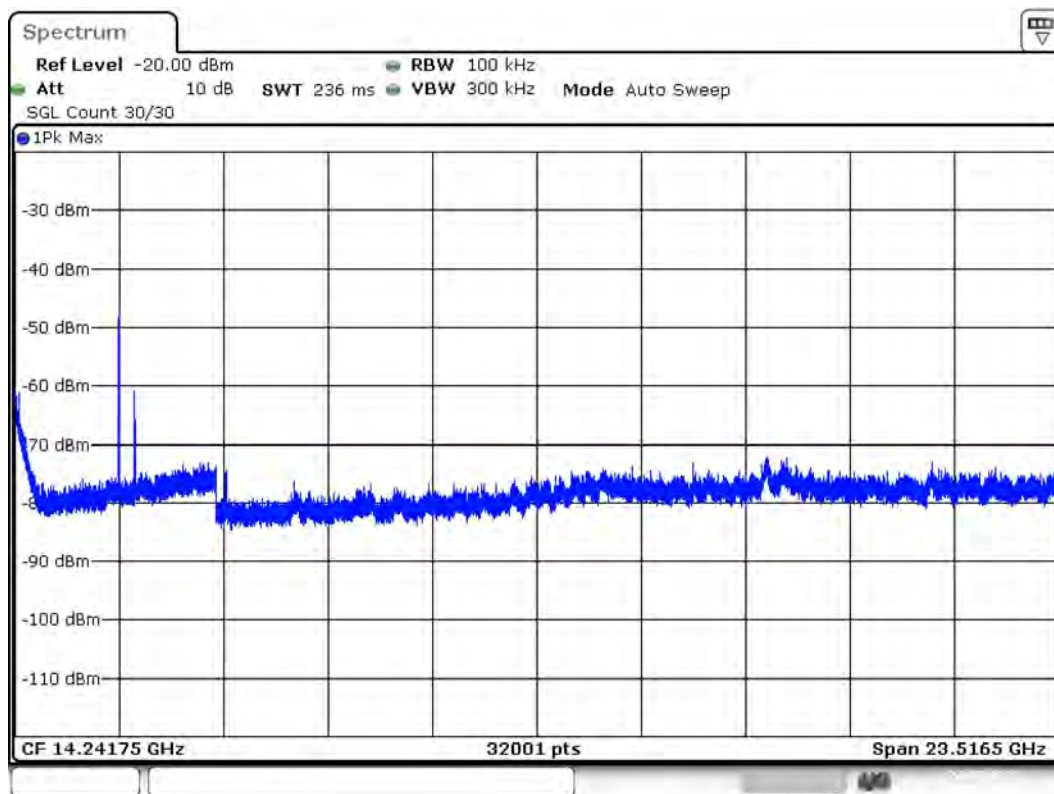


### Spurious Connector 1\_0



Date: 24.JUL.2023 07:56:46

### Spurious Connector 1\_1



Date: 24.JUL.2023 07:57:26

## Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 32001            | ~ 47980        |
| SweepTime             | 32.100 ms        | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 32001            | ~ 470330       |
| SweepTime       | 236.000 ms       | AUTO           |
| Reference Level | -20.000 dBm      | -30.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 30               | 30             |

|                              |                   |                 |
|------------------------------|-------------------|-----------------|
| <b>Filter</b>                | <b>3 dB</b>       | <b>3 dB</b>     |
| <b>Trace Mode</b>            | <b>Max Hold</b>   | <b>Max Hold</b> |
| <b>Sweep type</b>            | <b>Sweep</b>      | <b>AUTO</b>     |
| <b>Preamp</b>                | <b>off</b>        | <b>off</b>      |
| <b>Stable mode</b>           | <b>Trace</b>      | <b>Trace</b>    |
| <b>Stable value</b>          | <b>1.00 dB</b>    | <b>1.00 dB</b>  |
| <b>Run</b>                   | <b>1 / max. 1</b> | <b>max. 1</b>   |
| <b>Stable</b>                | <b>0 / 3</b>      | <b>3</b>        |
| <b>Max Stable Difference</b> | <b>0.00 dB</b>    | <b>1.00 dB</b>  |

## Emission Bandwidth 20 dB (2437 MHz; 20.000 dBm; 20 MHz)

Customized settings.

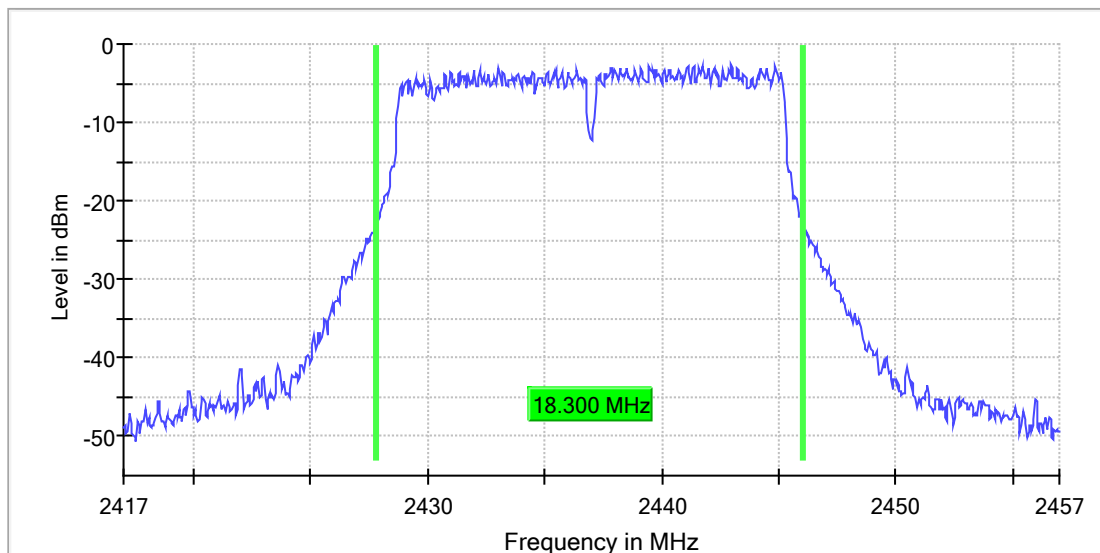
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

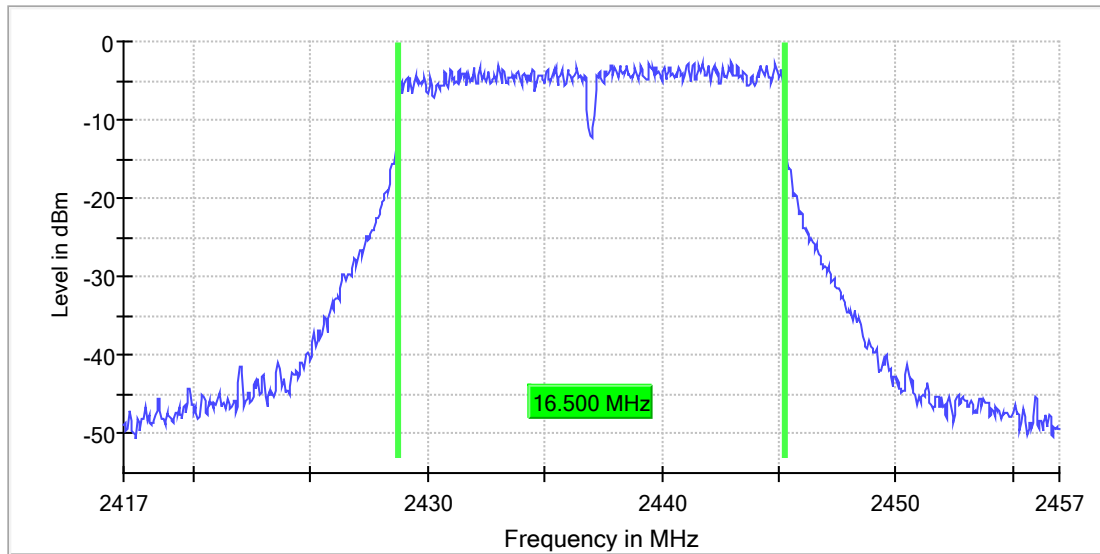
### 20 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 18.300000       | ---             | ---             | 2427.775000          | 2446.075000           |

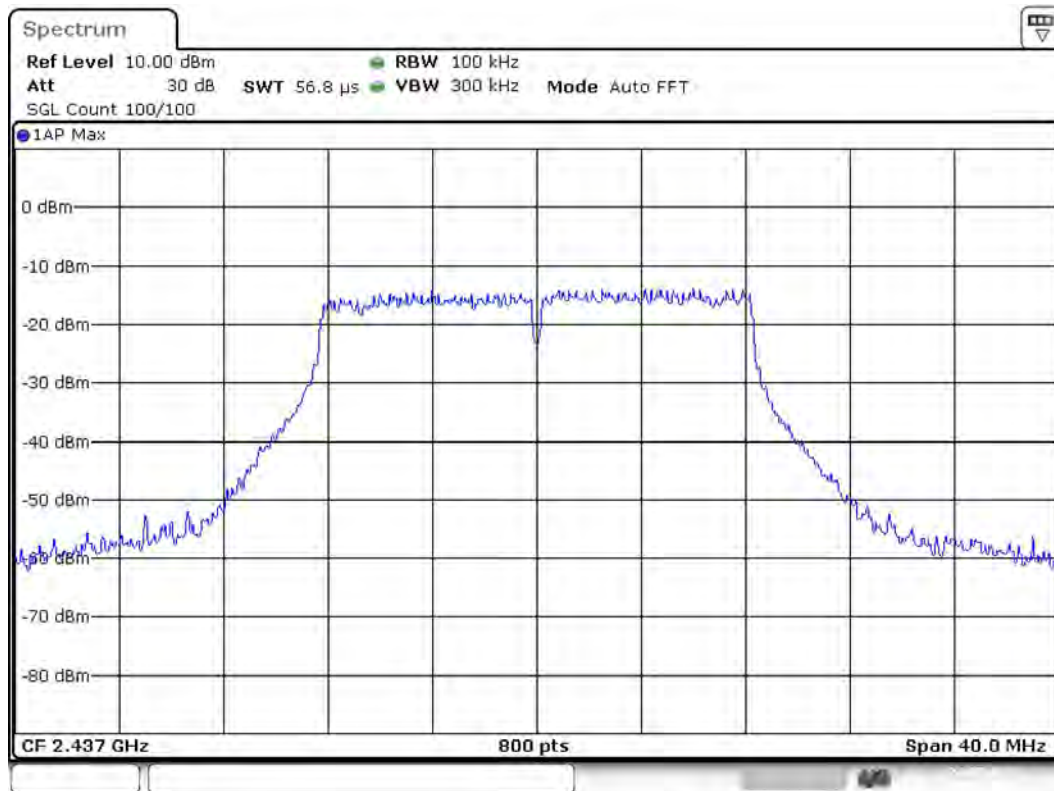
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | -2.6            | PASS   |





Bandwidth



Date: 24.JUL.2023 07:59:18

## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz    |
| Stop Frequency        | 2.45700 GHz      | 2.45700 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 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 20.000 dBm; 20 MHz)

Customized settings.

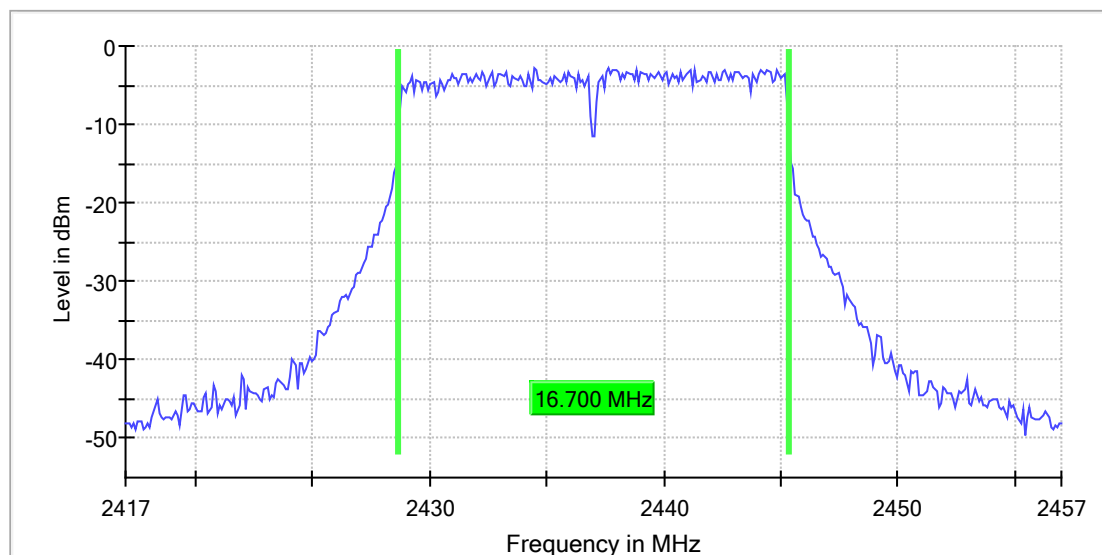
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### 6 dB Bandwidth

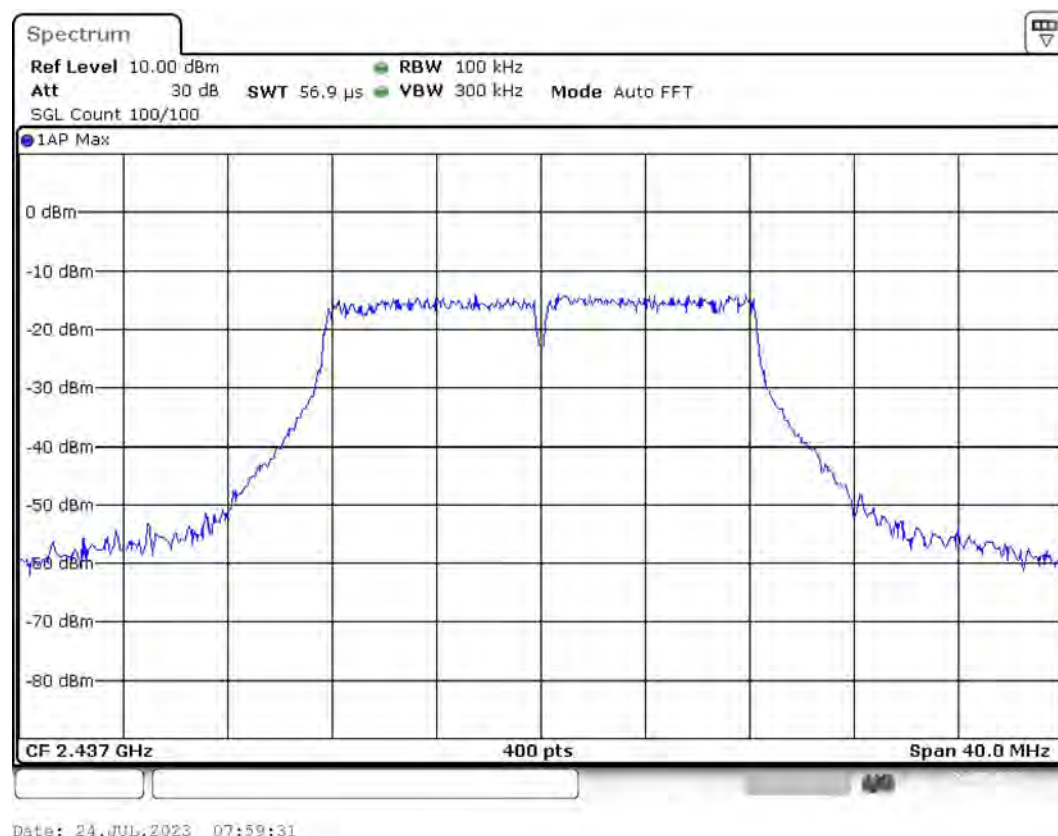
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 16.700000       | 0.500000        | ---             | 2428.650000          | 2445.350000           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | -2.8            | PASS   |



Bandwidth



## Measurement

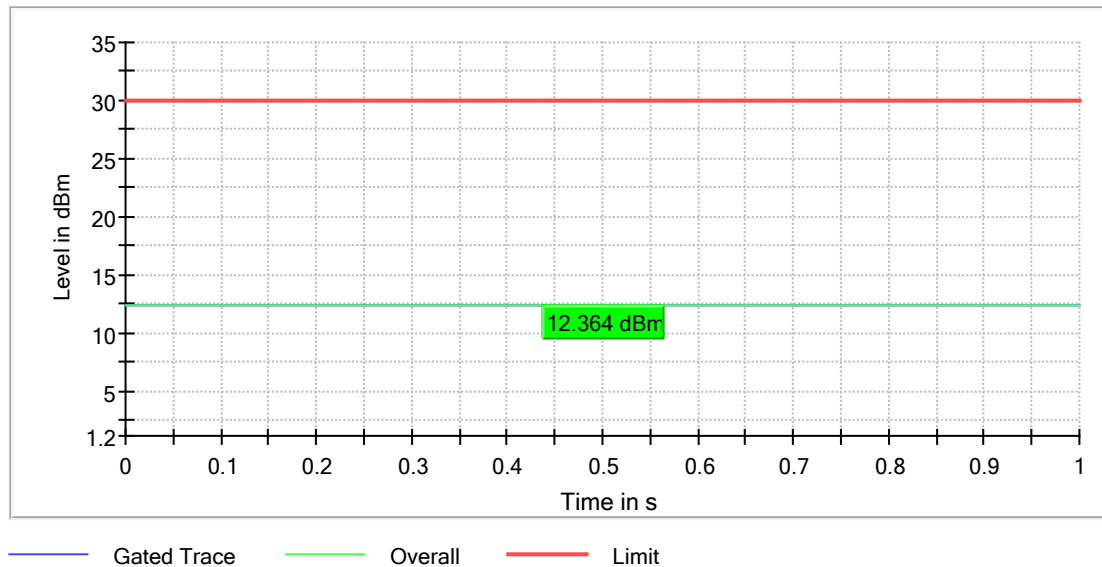
| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | Peak             | Peak          |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 1 / max. 1       | max. 1        |
| Stable                | 0 / 1            | 1             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

**RF output power (2437 MHz; 20.000 dBm; 20 MHz)**

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

**Result**

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2437.000000         | 12.4            | 30.0            | 12.4             | 100.000       | PASS   |



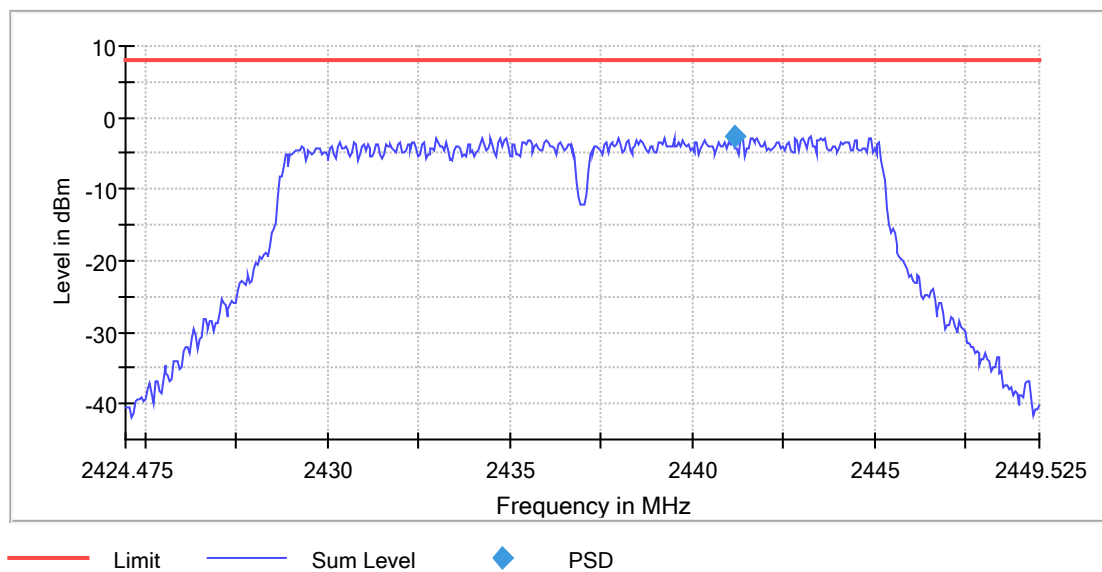
## Peak Power Spectral Density (2437 MHz; 20.000 dBm; 20 MHz)

Customized settings.

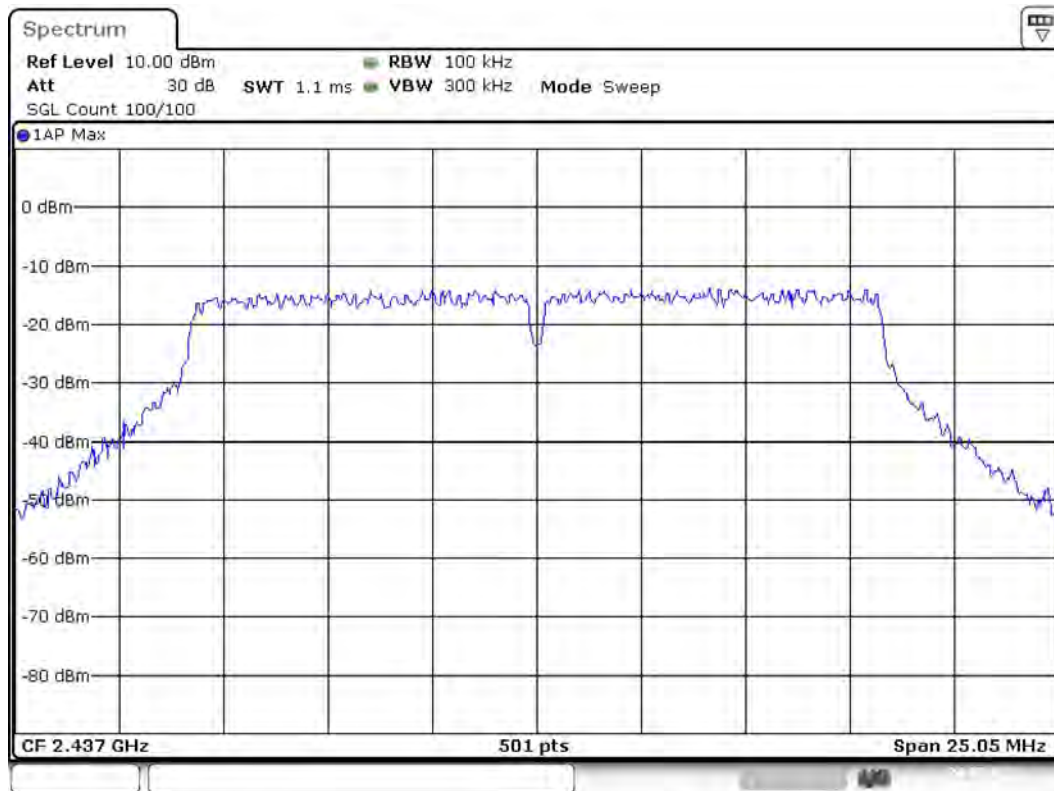
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2441.150000     | -2.513    | 8.0             | PASS   |



PSD Connector 1



Date: 24.JUL.2023 08:00:00

## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.42448 GHz      | 2.42448 GHz    |
| Stop Frequency        | 2.44953 GHz      | 2.44953 GHz    |
| Span                  | 25.050 MHz       | 25.050 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 501              | ~ 501          |
| SweepTime             | 1.050 ms         | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | Sweep          |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

**Tx Spurious Emission (2437 MHz; 20.000 dBm; 20 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

**Result**

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

**Final measurements**

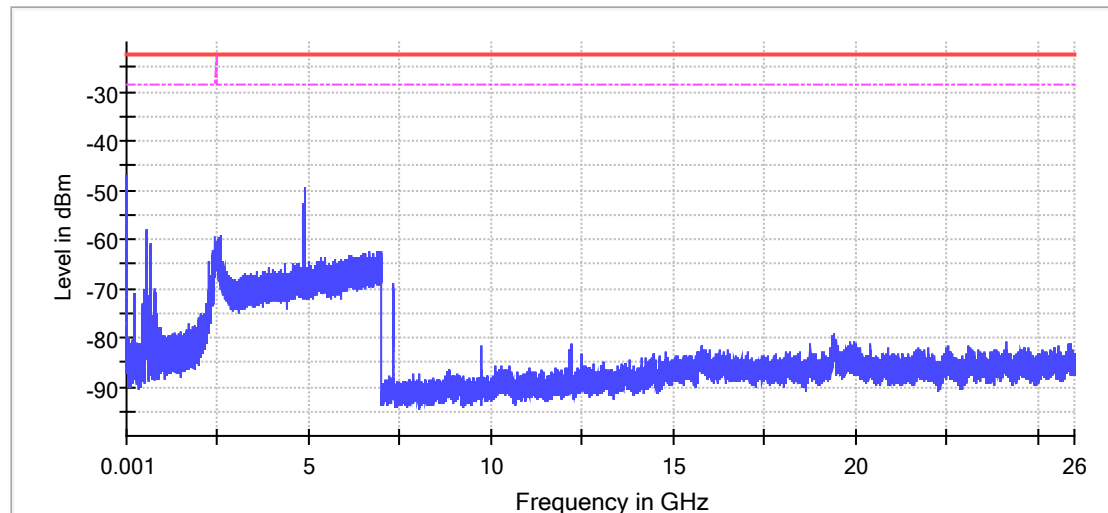
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

**Pre Measurements**

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 10.625000       | -46.8       | 24.3        | -22.5       |
| 1.525000        | -47.1       | 24.5        | -22.5       |
| 1.575000        | -47.1       | 24.5        | -22.5       |
| 2.225000        | -47.2       | 24.7        | -22.5       |
| 9.725000        | -47.3       | 24.8        | -22.5       |
| 9.775000        | -47.4       | 24.9        | -22.5       |
| 10.575000       | -47.4       | 24.9        | -22.5       |
| 4.625000        | -47.4       | 24.9        | -22.5       |
| 2.875000        | -47.5       | 25.0        | -22.5       |
| 10.675000       | -47.5       | 25.0        | -22.5       |
| 1.275000        | -47.6       | 25.0        | -22.5       |
| 2.275000        | -47.6       | 25.1        | -22.5       |
| 2.925000        | -47.7       | 25.2        | -22.5       |
| 2.175000        | -47.7       | 25.2        | -22.5       |
| 1.925000        | -47.9       | 25.4        | -22.5       |

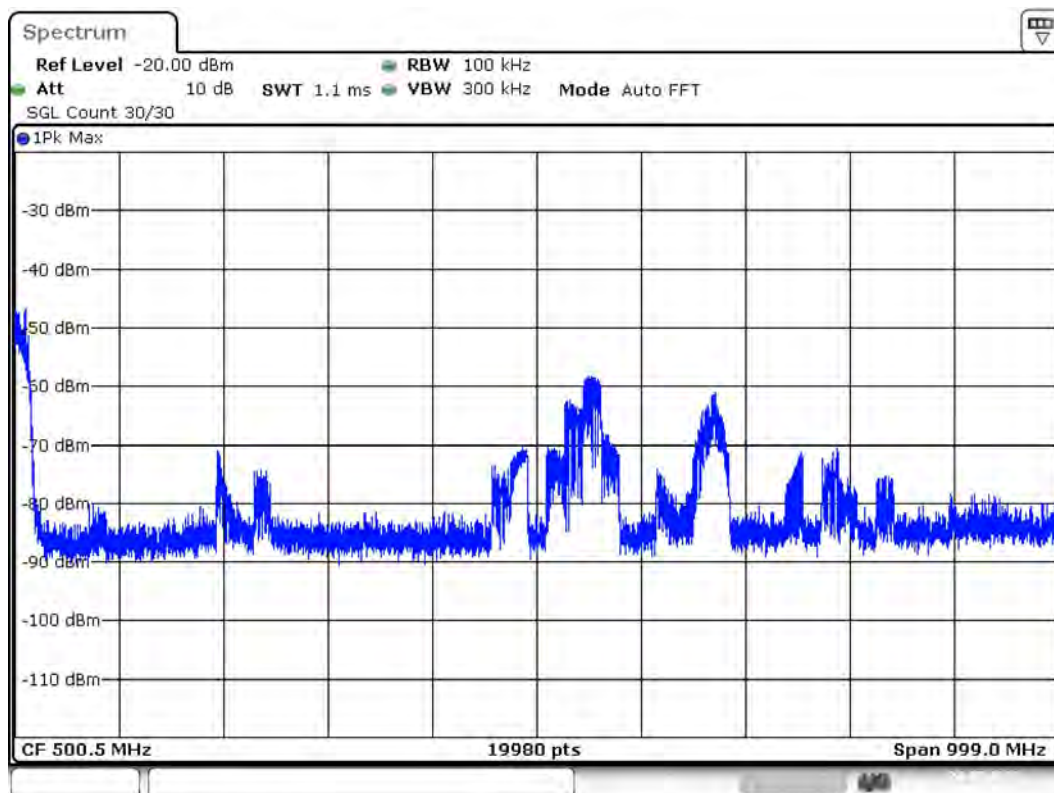
**Measurement Settings**

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 1.000000              | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 18000.000000         | 2               | 2                 |
| 18000.000000          | 26000.000000         | 2               | 2                 |



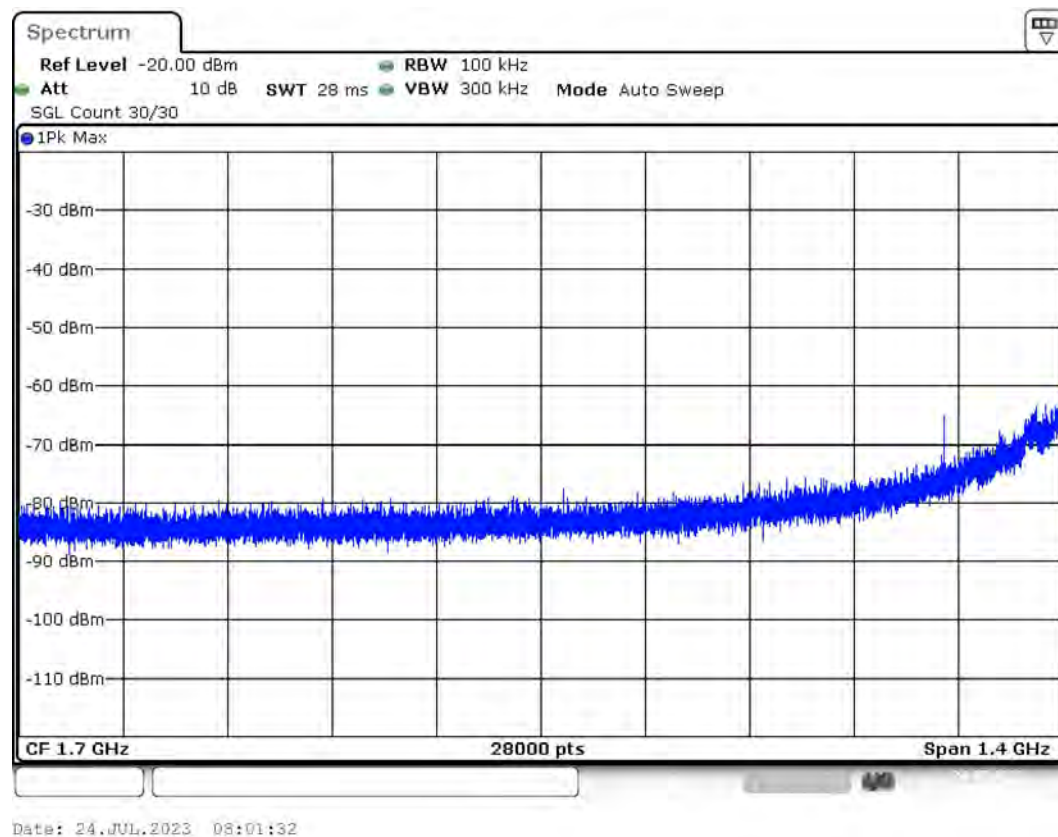
— Limit    — Sum Level    - - - Threshold    × Critical    × Final Critical

### Spurious Connector 1\_0

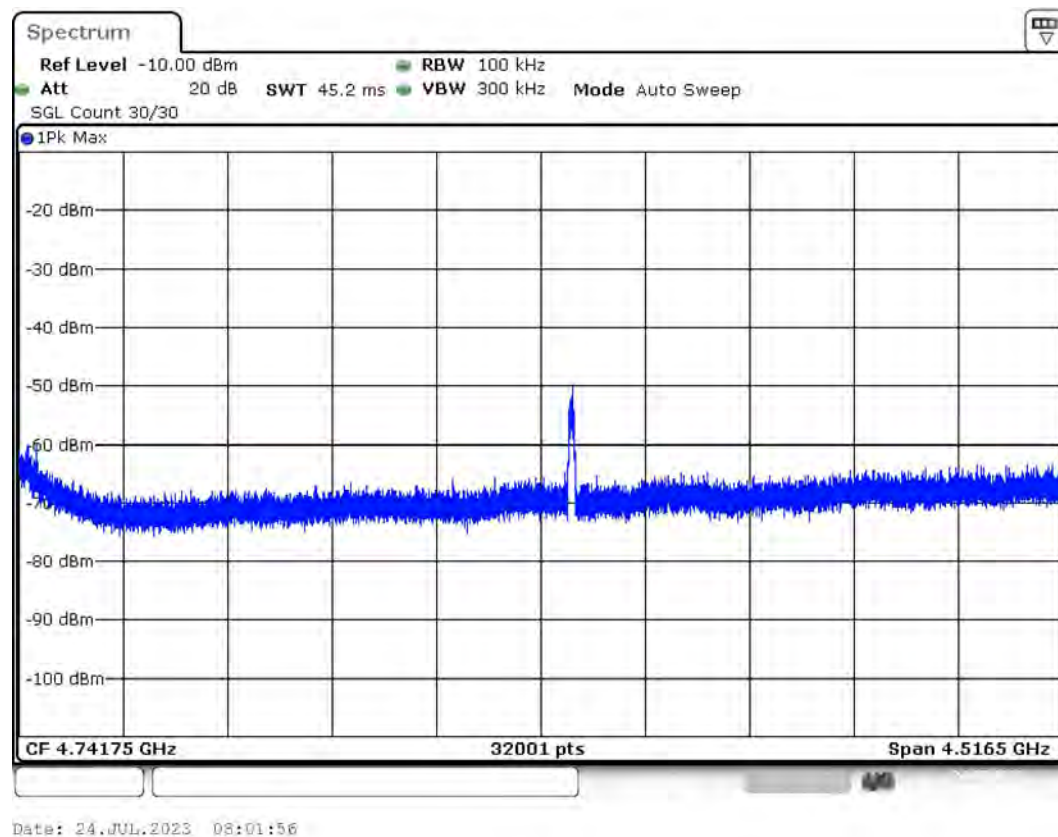


Date: 24.JUL.2023 08:01:13

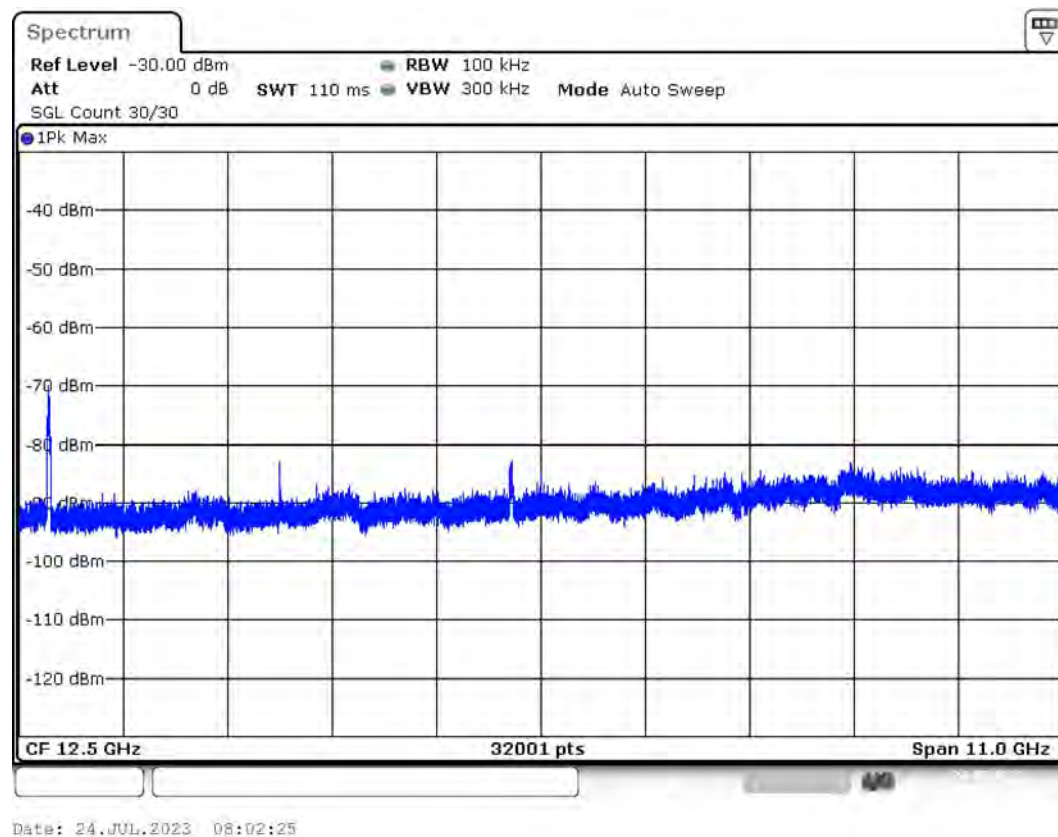
### Spurious Connector 1\_1



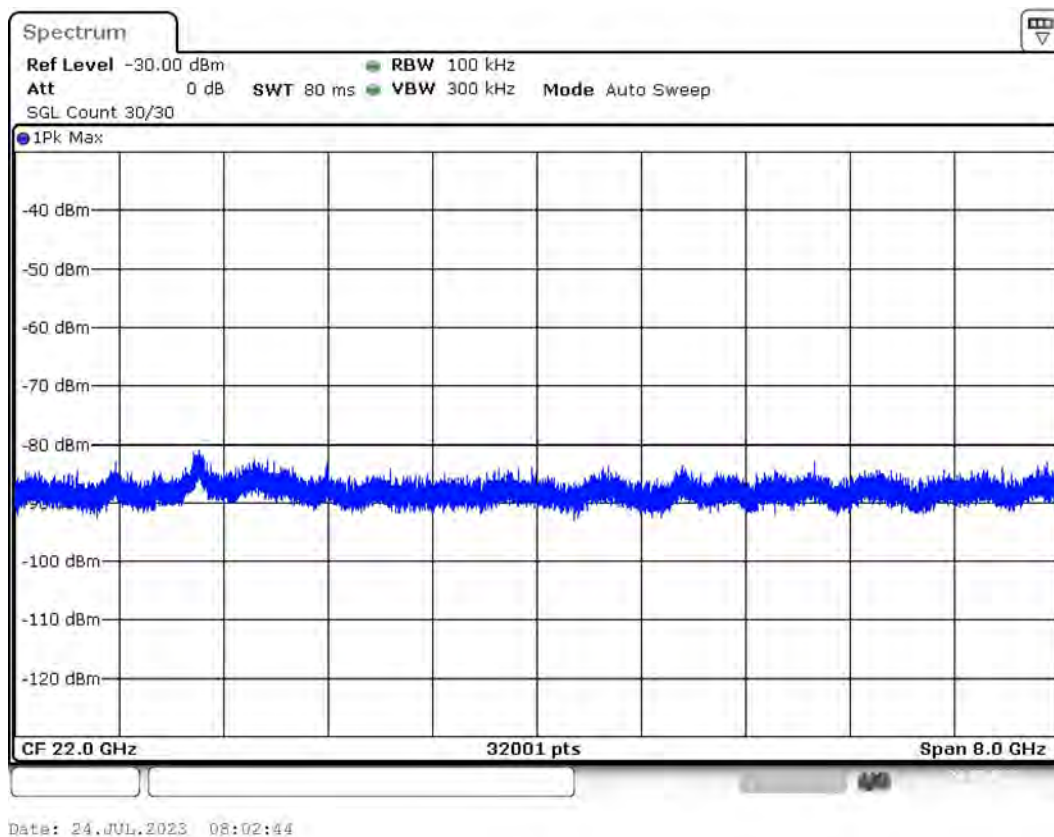
Spurious Connector 1\_2



Spurious Connector 1\_3



Spurious Connector 1\_4



## Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19980            | ~ 19980        |
| SweepTime             | 1.080 ms         | AUTO           |
| Reference Level       | -20.000 dBm      | -30.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 1.00 dB          | 1.00 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 1.00 dB        |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 28000            | ~ 28000        |
| SweepTime       | 28.000 ms        | AUTO           |
| Reference Level | -20.000 dBm      | -30.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 30               | 30             |

|                              |                   |                 |
|------------------------------|-------------------|-----------------|
| <b>Filter</b>                | <b>3 dB</b>       | <b>3 dB</b>     |
| <b>Trace Mode</b>            | <b>Max Hold</b>   | <b>Max Hold</b> |
| <b>Sweep type</b>            | <b>Sweep</b>      | <b>AUTO</b>     |
| <b>Preamp</b>                | <b>off</b>        | <b>off</b>      |
| <b>Stable mode</b>           | <b>Trace</b>      | <b>Trace</b>    |
| <b>Stable value</b>          | <b>1.00 dB</b>    | <b>1.00 dB</b>  |
| <b>Run</b>                   | <b>1 / max. 1</b> | <b>max. 1</b>   |
| <b>Stable</b>                | <b>0 / 3</b>      | <b>3</b>        |
| <b>Max Stable Difference</b> | <b>0.00 dB</b>    | <b>1.00 dB</b>  |

## Emission Bandwidth 20 dB (2462 MHz; 20.000 dBm; 20 MHz)

Customized settings.

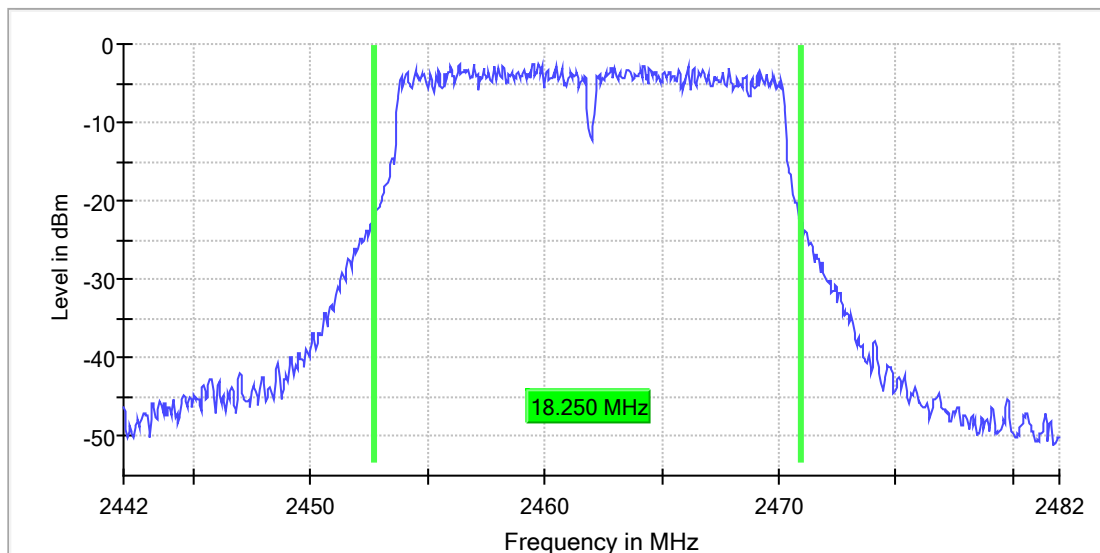
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

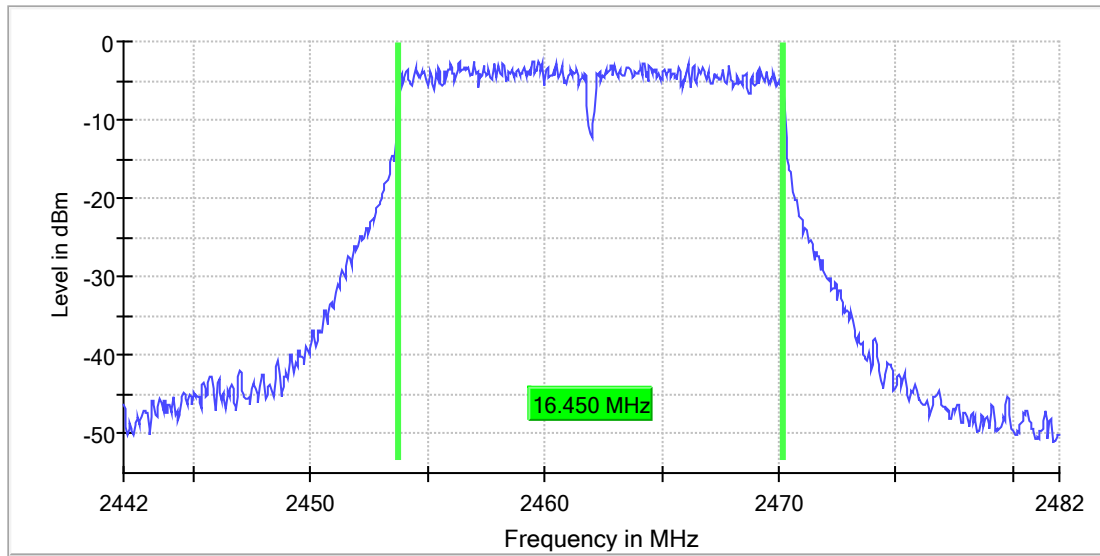
### 20 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 18.250000       | ---             | ---             | 2452.725000          | 2470.975000           |

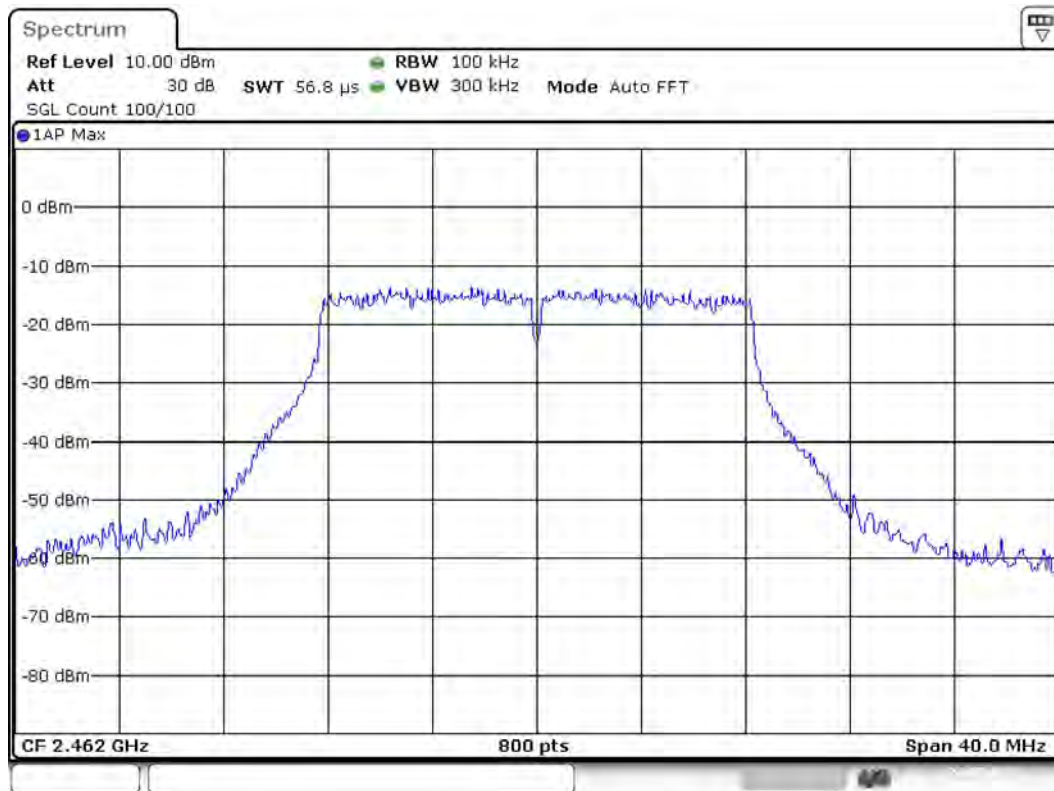
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | -2.5            | PASS   |





Bandwidth



Date: 24.JUL.2023 08:04:19

## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz    |
| Stop Frequency        | 2.48200 GHz      | 2.48200 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 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Minimum Emission Bandwidth 6 dB (2462 MHz; 20.000 dBm; 20 MHz)

Customized settings.

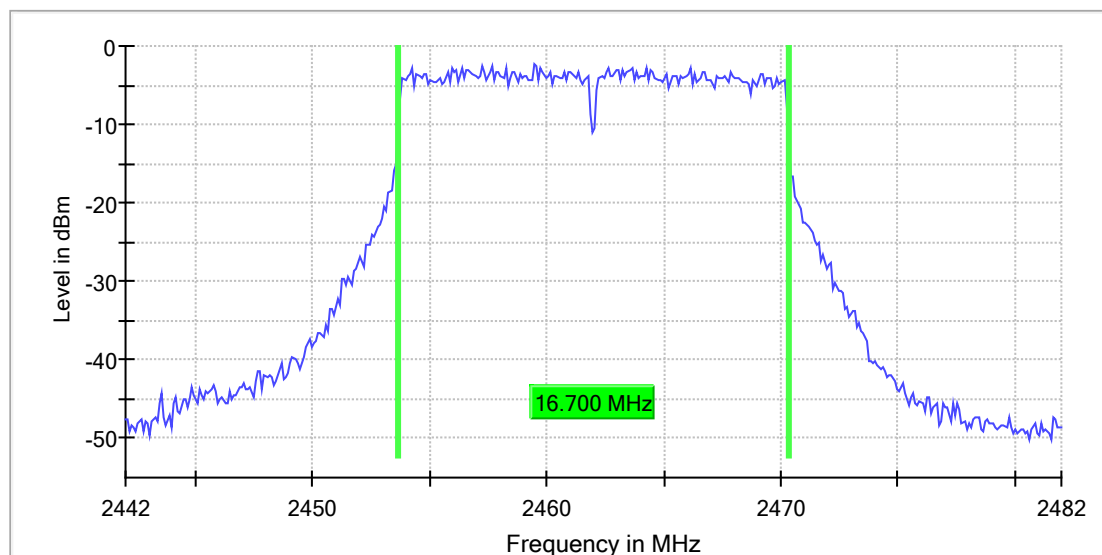
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### 6 dB Bandwidth

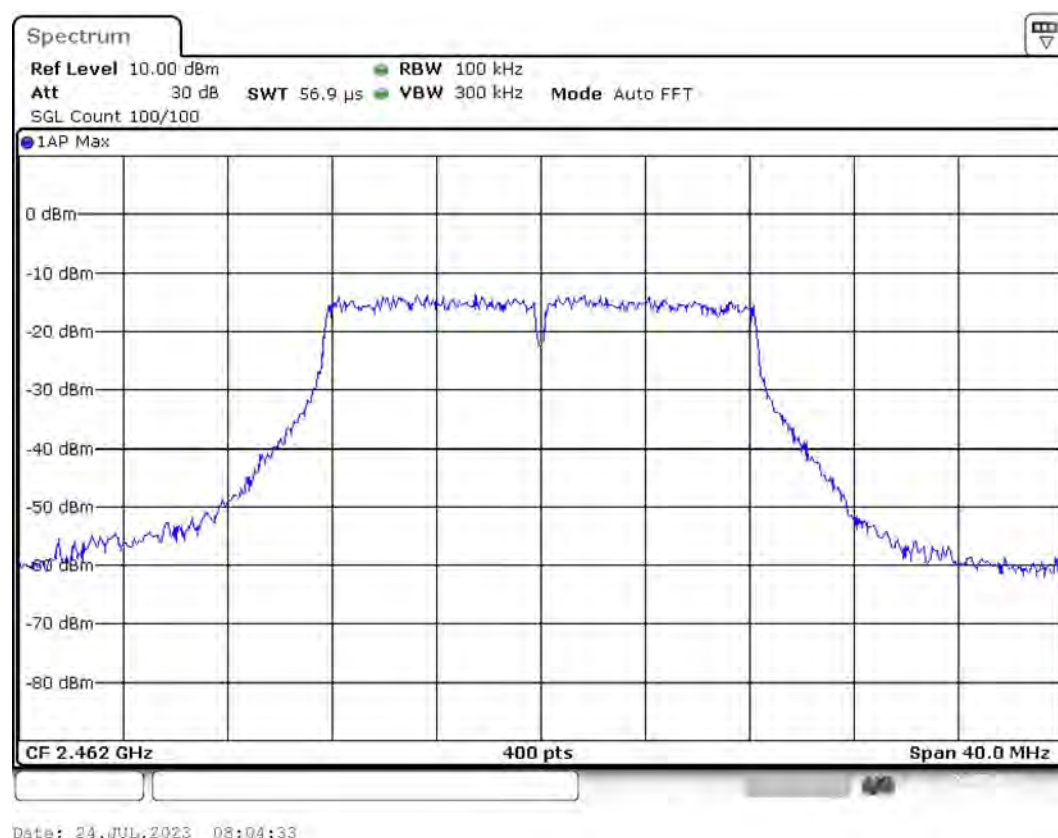
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 16.700000       | 0.500000        | ---             | 2453.650000          | 2470.350000           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | -2.3            | PASS   |



Bandwidth



## Measurement

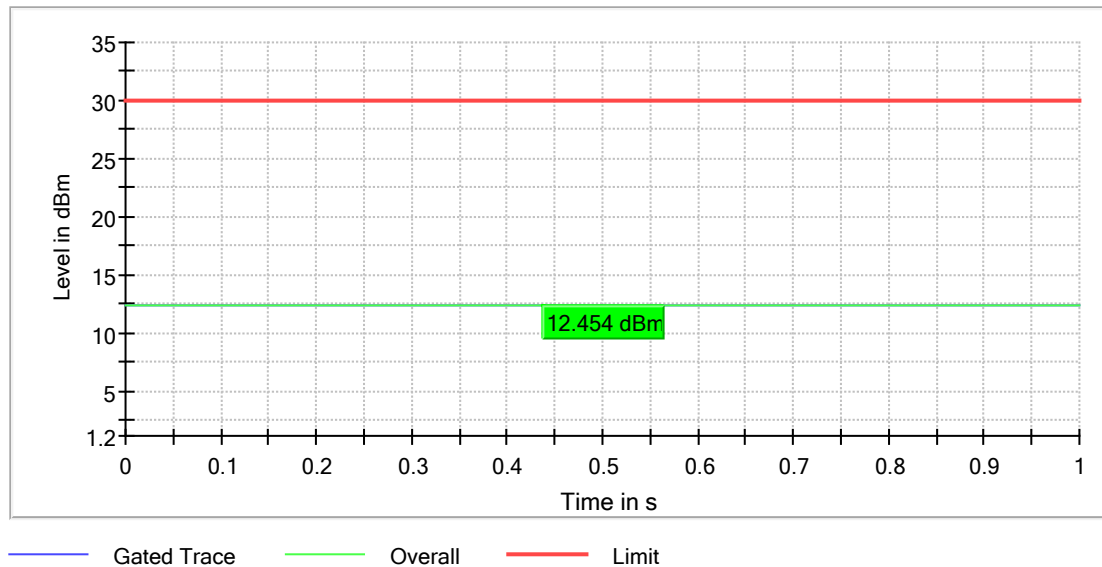
| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | Peak             | Peak          |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 1 / max. 1       | max. 1        |
| Stable                | 0 / 1            | 1             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

**RF output power (2462 MHz; 20.000 dBm; 20 MHz)**

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

**Result**

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2462.000000         | 12.5            | 30.0            | 12.5             | 100.000       | PASS   |



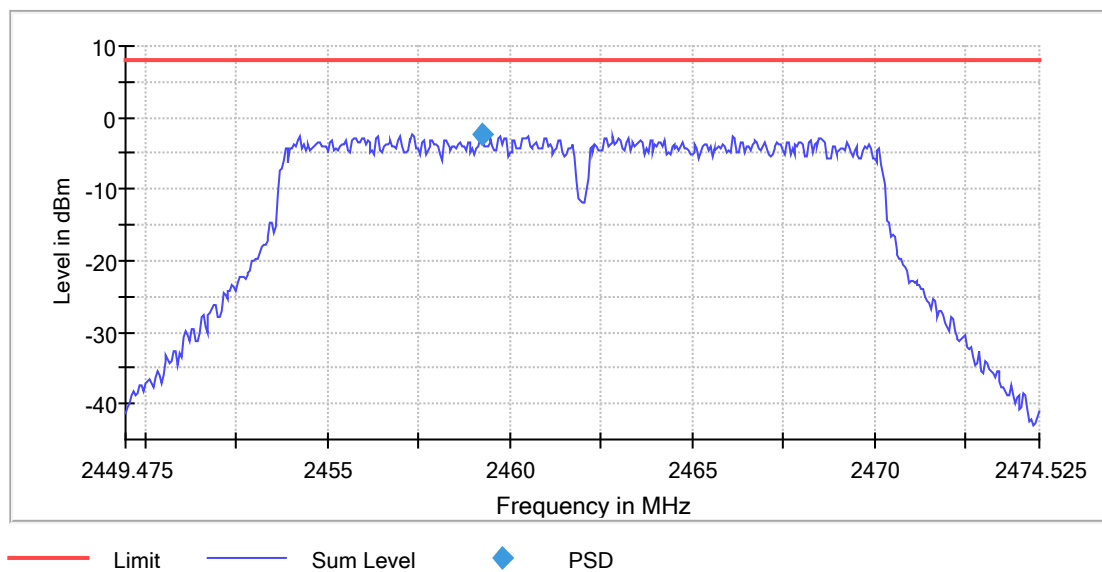
## Peak Power Spectral Density (2462 MHz; 20.000 dBm; 20 MHz)

Customized settings.

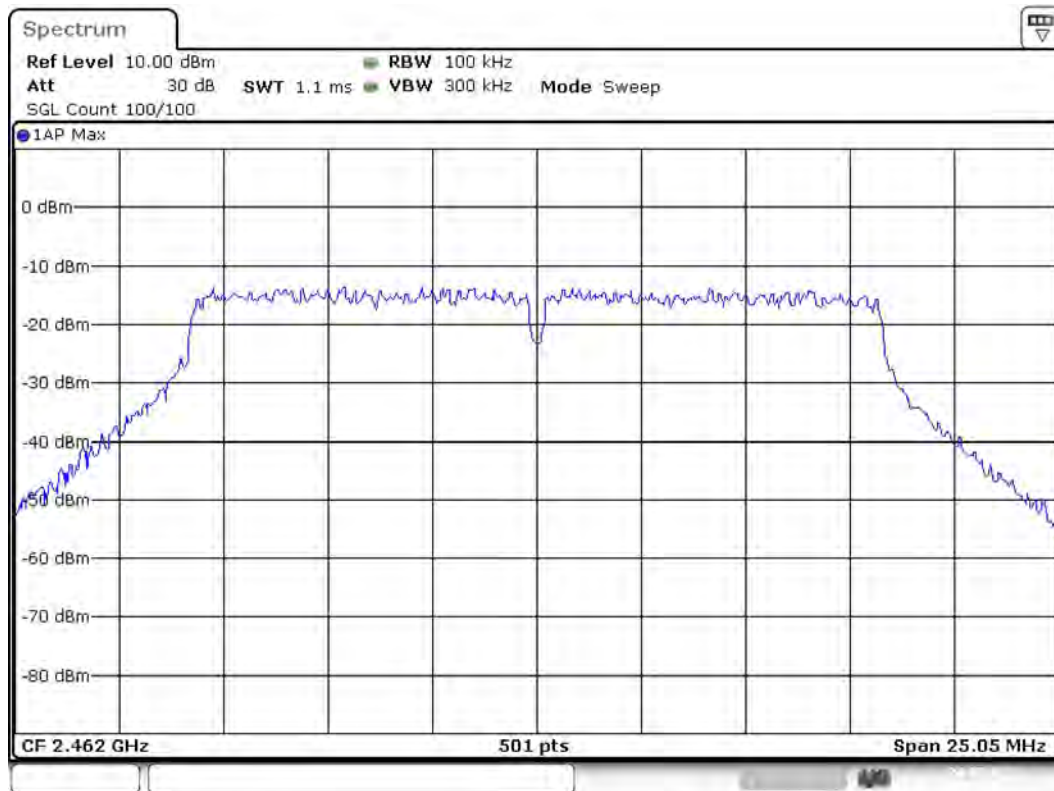
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2459.250000     | -2.364    | 8.0             | PASS   |



PSD Connector 1



Date: 24.JUL.2023 08:05:02

## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.44948 GHz      | 2.44948 GHz    |
| Stop Frequency        | 2.47453 GHz      | 2.47453 GHz    |
| Span                  | 25.050 MHz       | 25.050 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 501              | ~ 501          |
| SweepTime             | 1.050 ms         | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | Peak             | Peak           |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | Sweep          |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Band Edge high (2462 MHz; 20.000 dBm; 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

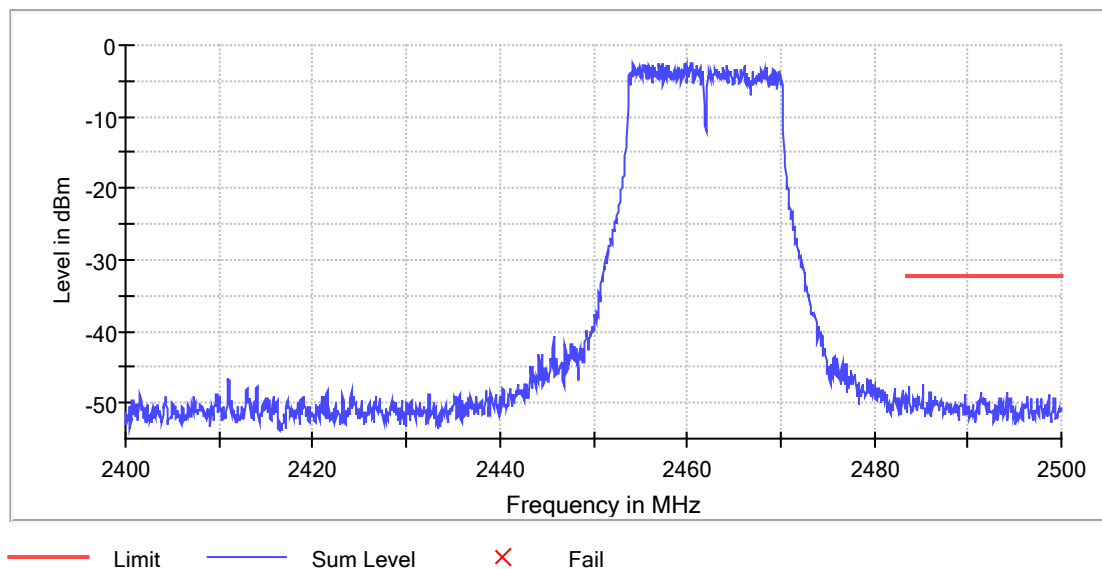
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2454.275000     | -2.4        |

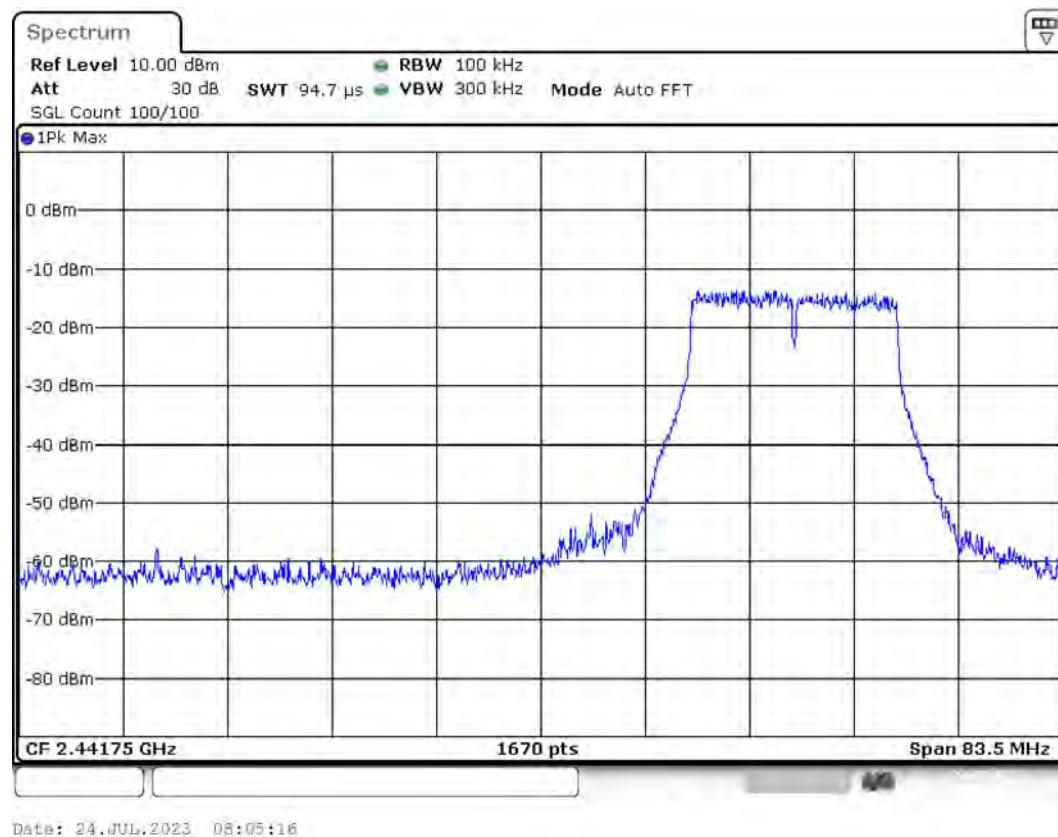
### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2485.225000     | -47.4       | 15.0        | -32.4       | PASS   |
| 2485.175000     | -47.6       | 15.2        | -32.4       | PASS   |
| 2483.725000     | -47.6       | 15.2        | -32.4       | PASS   |
| 2483.675000     | -48.1       | 15.7        | -32.4       | PASS   |
| 2485.925000     | -48.4       | 16.0        | -32.4       | PASS   |
| 2485.975000     | -48.5       | 16.1        | -32.4       | PASS   |
| 2494.125000     | -48.5       | 16.1        | -32.4       | PASS   |
| 2491.375000     | -48.6       | 16.2        | -32.4       | PASS   |
| 2491.425000     | -48.6       | 16.2        | -32.4       | PASS   |
| 2494.175000     | -48.6       | 16.2        | -32.4       | PASS   |
| 2483.775000     | -48.7       | 16.3        | -32.4       | PASS   |
| 2485.125000     | -48.7       | 16.3        | -32.4       | PASS   |
| 2498.675000     | -48.8       | 16.4        | -32.4       | PASS   |
| 2489.725000     | -48.9       | 16.5        | -32.4       | PASS   |
| 2489.775000     | -48.9       | 16.6        | -32.4       | PASS   |

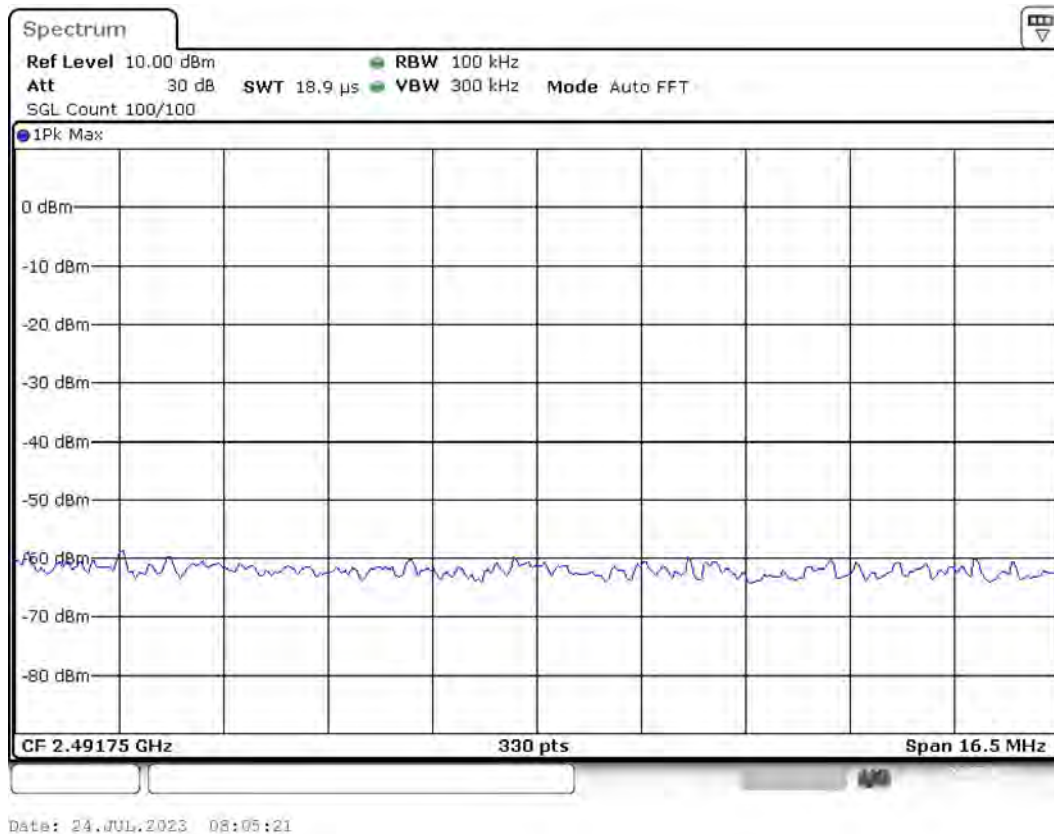


Band Edge Connector 1\_0





Band Edge Connector 1\_1



## Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.40000 GHz      | 2.40000 GHz    |
| Stop Frequency        | 2.48350 GHz      | 2.48350 GHz    |
| Span                  | 83.500 MHz       | 83.500 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| Sweptime              | 94.727 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 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            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.48350 GHz      | 2.48350 GHz    |
| Stop Frequency  | 2.50000 GHz      | 2.50000 GHz    |
| Span            | 16.500 MHz       | 16.500 MHz     |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |

|                       |                |            |
|-----------------------|----------------|------------|
| SweepPoints           | 330            | ~ 330      |
| SweepTime             | 18.945 $\mu$ s | AUTO       |
| Reference Level       | 10.000 dBm     | 10.000 dBm |
| Attenuation           | 30.000 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        |
| Stablemode            | Trace          | Trace      |
| Stablevalue           | 0.50 dB        | 0.50 dB    |
| Run                   | 1 / max. 1     | max. 1     |
| Stable                | 0 / 1          | 1          |
| Max Stable Difference | 0.00 dB        | 0.50 dB    |

## Tx Spurious Emission (2462 MHz; 20.000 dBm; 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

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

### Final measurements

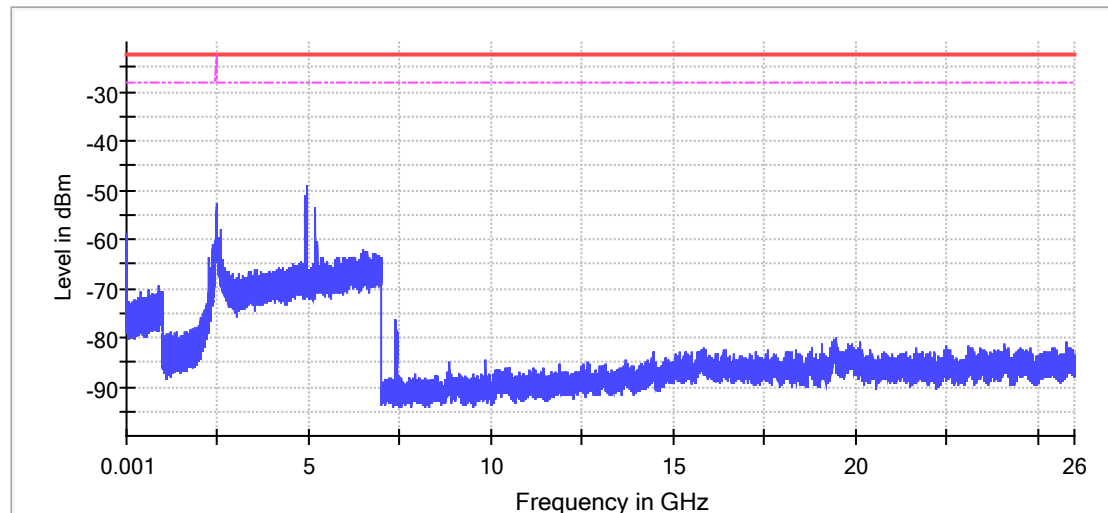
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4923.956853     | -49.2       | 26.8        | -22.4       |
| 4924.097989     | -49.7       | 27.3        | -22.4       |
| 4921.557537     | -50.4       | 28.1        | -22.4       |
| 4922.968899     | -50.6       | 28.2        | -22.4       |
| 4925.650487     | -50.6       | 28.3        | -22.4       |
| 4921.839810     | -50.8       | 28.4        | -22.4       |
| 4923.674580     | -50.8       | 28.4        | -22.4       |
| 4927.202986     | -51.0       | 28.7        | -22.4       |
| 4924.239125     | -51.1       | 28.7        | -22.4       |
| 4923.110036     | -51.2       | 28.8        | -22.4       |
| 4927.061850     | -51.2       | 28.8        | -22.4       |
| 4920.146175     | -51.2       | 28.9        | -22.4       |
| 4927.485258     | -51.4       | 29.0        | -22.4       |
| 4922.686627     | -51.5       | 29.1        | -22.4       |
| 4927.767531     | -51.5       | 29.2        | -22.4       |

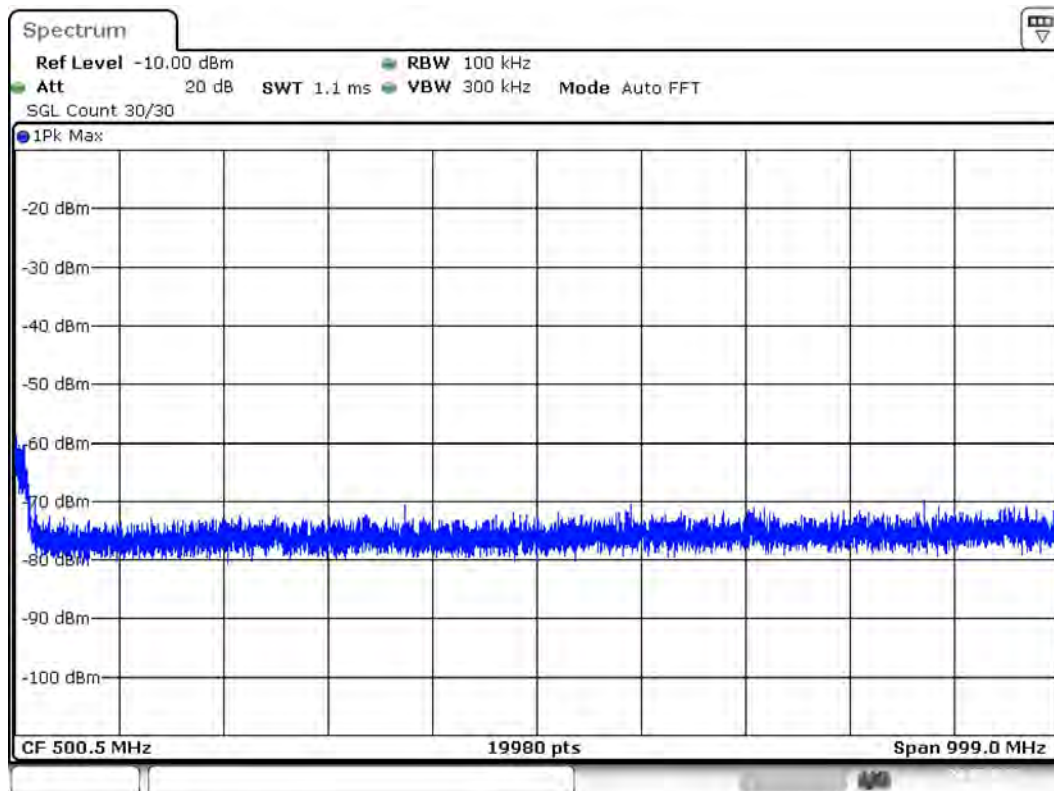
### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 1.000000              | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 18000.000000         | 2               | 2                 |
| 18000.000000          | 26000.000000         | 2               | 2                 |



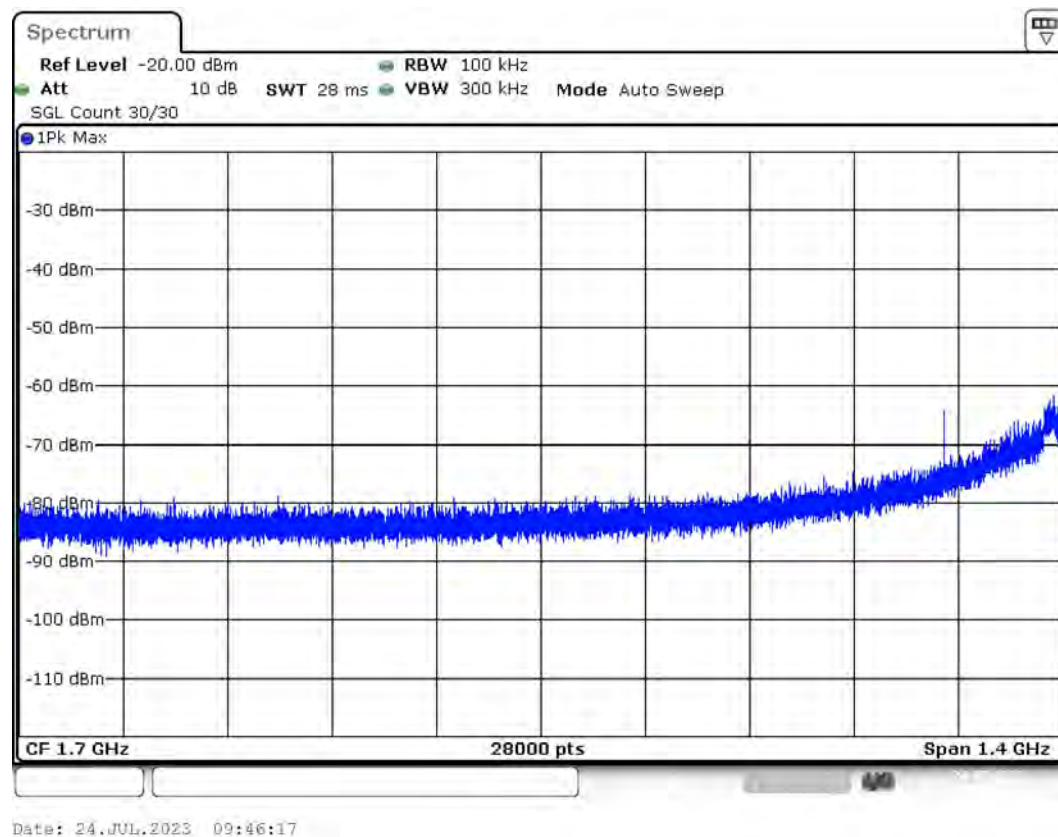
— Limit    — Sum Level    - - - Threshold    × Critical    × Final Critical

### Spurious Connector 1\_0

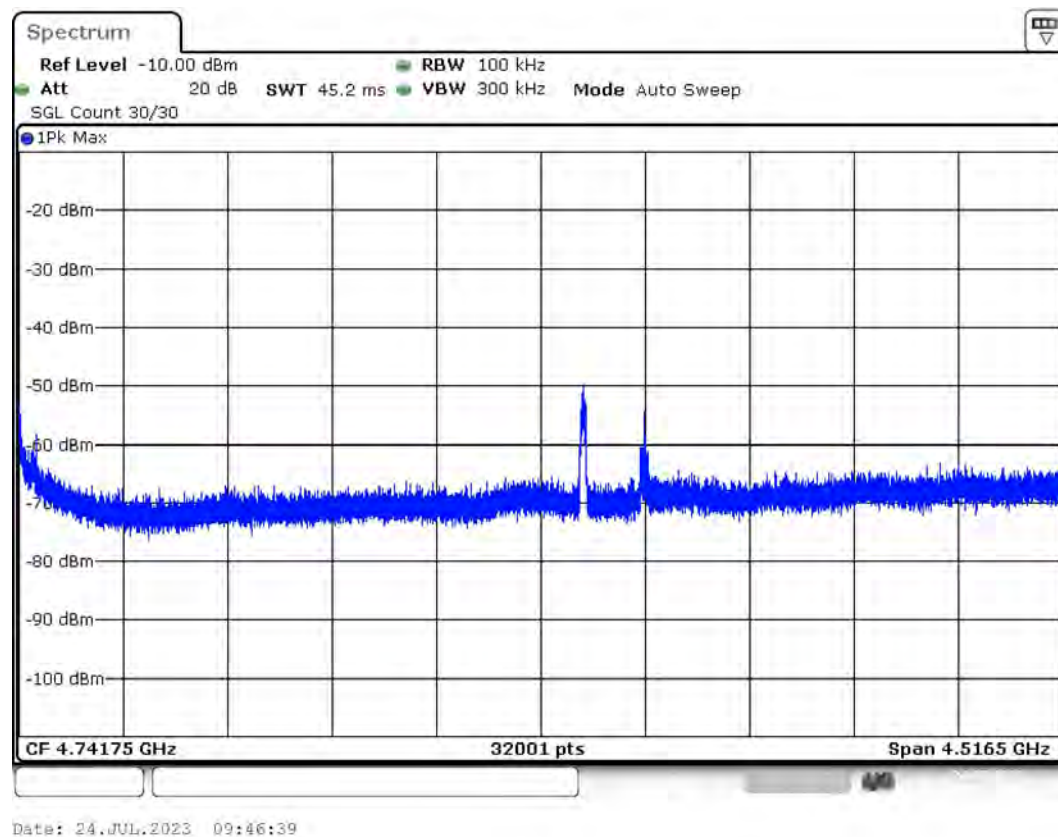


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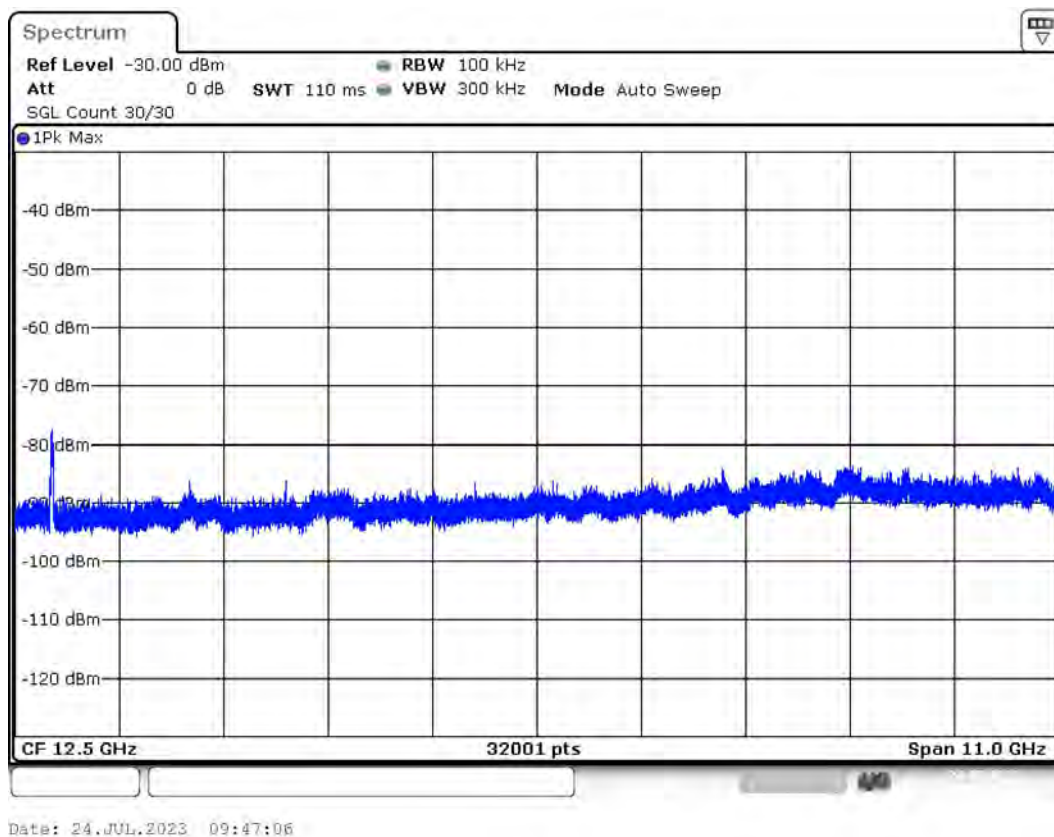
### Spurious Connector 1\_1



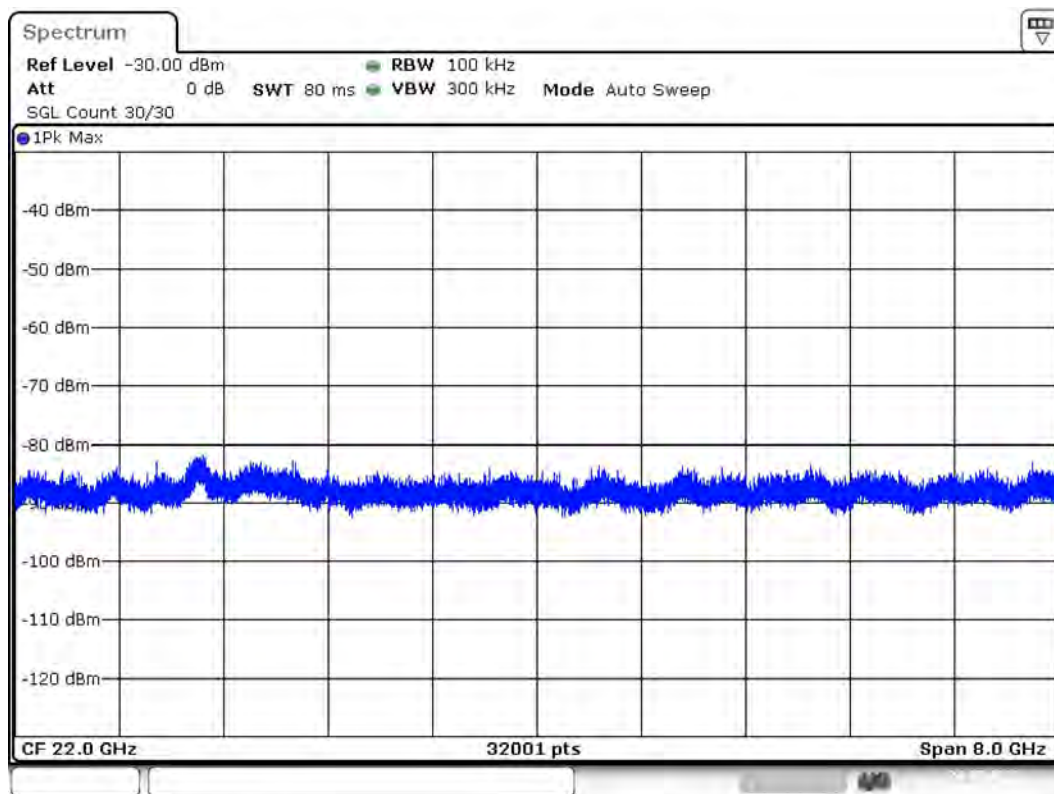
Spurious Connector 1\_2



Spurious Connector 1\_3



Spurious Connector 1\_4



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## Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19980            | ~ 19980        |
| SweepTime             | 1.080 ms         | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 1 / max. 1       | max. 1         |
| Stable                | 0 / 1            | 1              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Pre Measurement 2

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 28000            | ~ 28000        |
| SweepTime       | 28.000 ms        | AUTO           |
| Reference Level | -20.000 dBm      | -30.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 30               | 30             |

|                              |                   |                 |
|------------------------------|-------------------|-----------------|
| <b>Filter</b>                | <b>3 dB</b>       | <b>3 dB</b>     |
| <b>Trace Mode</b>            | <b>Max Hold</b>   | <b>Max Hold</b> |
| <b>Sweep type</b>            | <b>Sweep</b>      | <b>AUTO</b>     |
| <b>Preamp</b>                | <b>off</b>        | <b>off</b>      |
| <b>Stable mode</b>           | <b>Trace</b>      | <b>Trace</b>    |
| <b>Stable value</b>          | <b>1.00 dB</b>    | <b>1.00 dB</b>  |
| <b>Run</b>                   | <b>1 / max. 1</b> | <b>max. 1</b>   |
| <b>Stable</b>                | <b>0 / 3</b>      | <b>3</b>        |
| <b>Max Stable Difference</b> | <b>0.00 dB</b>    | <b>1.00 dB</b>  |