

# 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)  | BT CH 3 (2405 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

|                        |                              |
|------------------------|------------------------------|
| Powerstep name (value) | Beamforming gain table names |
| 20.000 dBm (20 dBm)    | ---                          |

### Gain Tables

|                        |                  |
|------------------------|------------------|
| Powerstep name (value) | Gain table names |
| 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  
TCPIP::192.168.48.111::INST0::INSTR), SN 1307.9002K40/101076,  
FW 3.40

Vector Generator: VG SMBV100B (VG SMBV100B) @ VISA (ADR  
TCPIP::192.168.48.29::INST0::INSTR), SN 101685, FW 4.70.006.33

Generator: SMB100Aa (SMB100A) @ VISA (ADR  
TCPIP::192.168.48.28::INST0::INSTR), SN 177894, FW / Drv:Rev  
2.21.0, 07/2016, CVI 2015

OSP: OSP-B157W (OSP-B157W) @ VISA (ADR  
TCPIP::192.168.48.157::INST0::INSTR), SN 1527.1144. /, FW  
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.

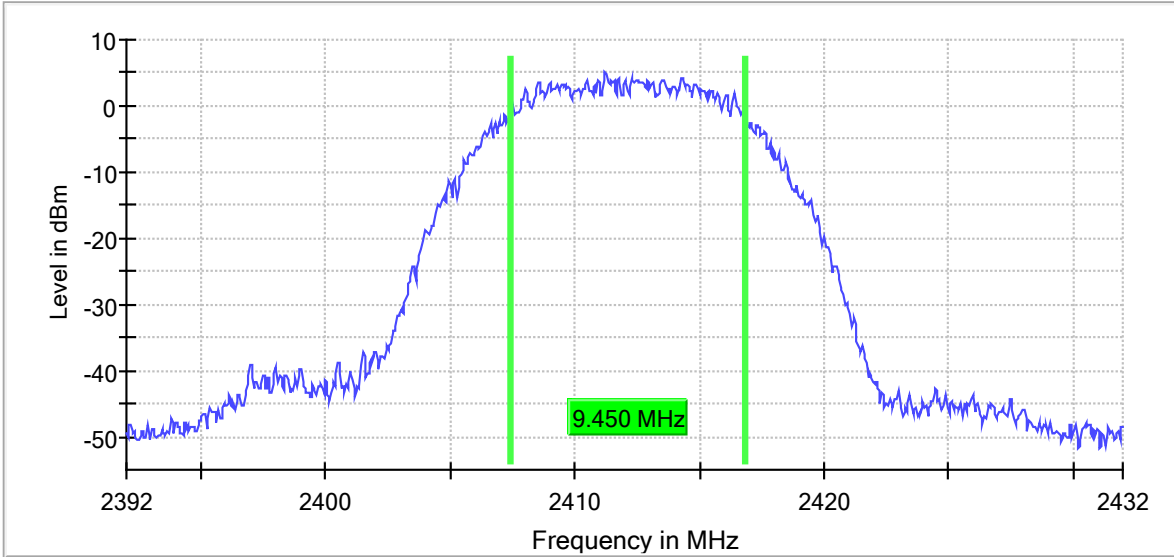
6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 9.450000        | 0.500000        | ---             | 2407.375000          | 2416.825000           |

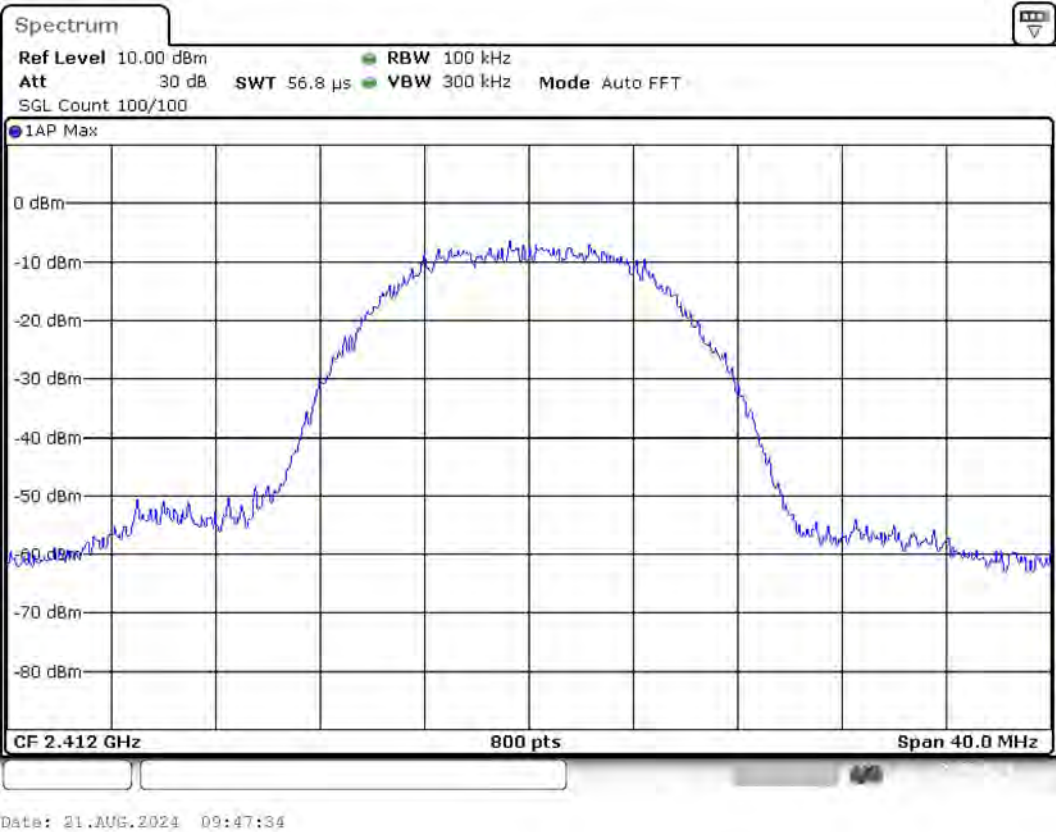
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 5.0             | 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 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.

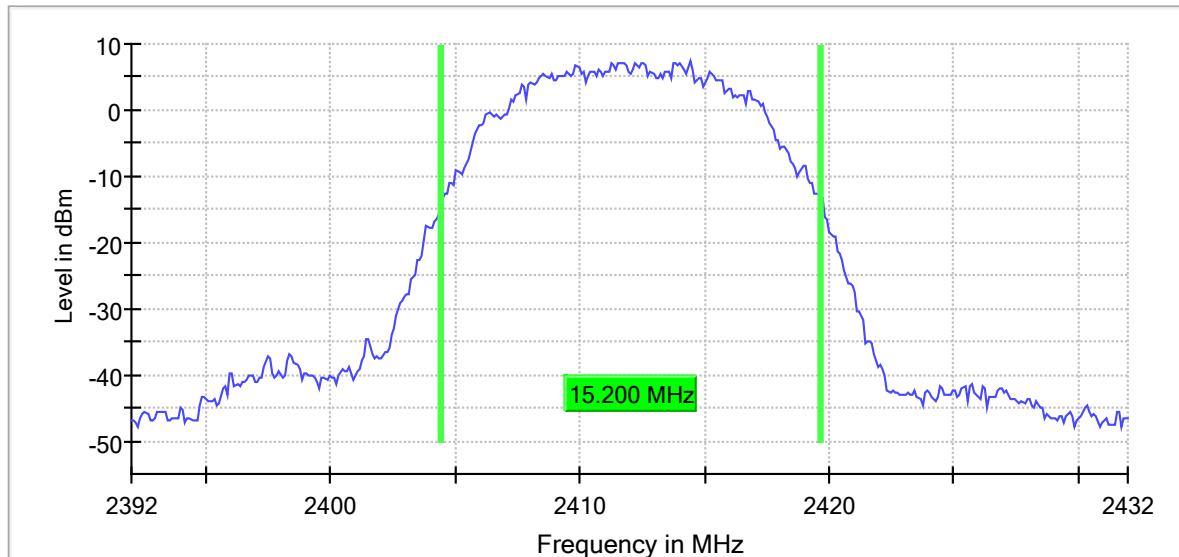
### 20 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 15.200000       | ---             | ---             | 2404.450000          | 2419.650000           |

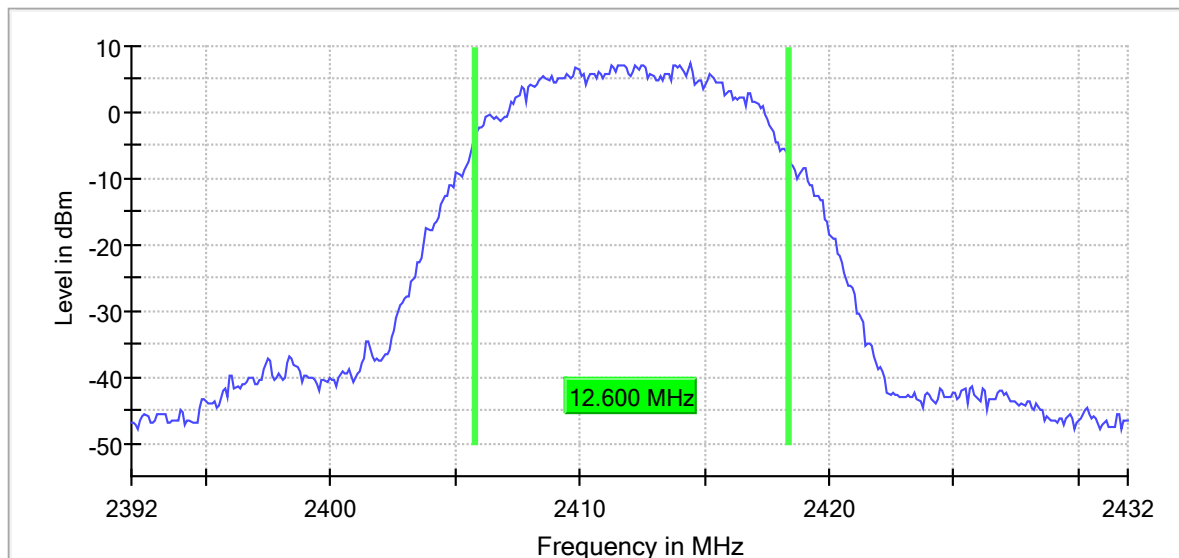
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 7.3             | PASS   |

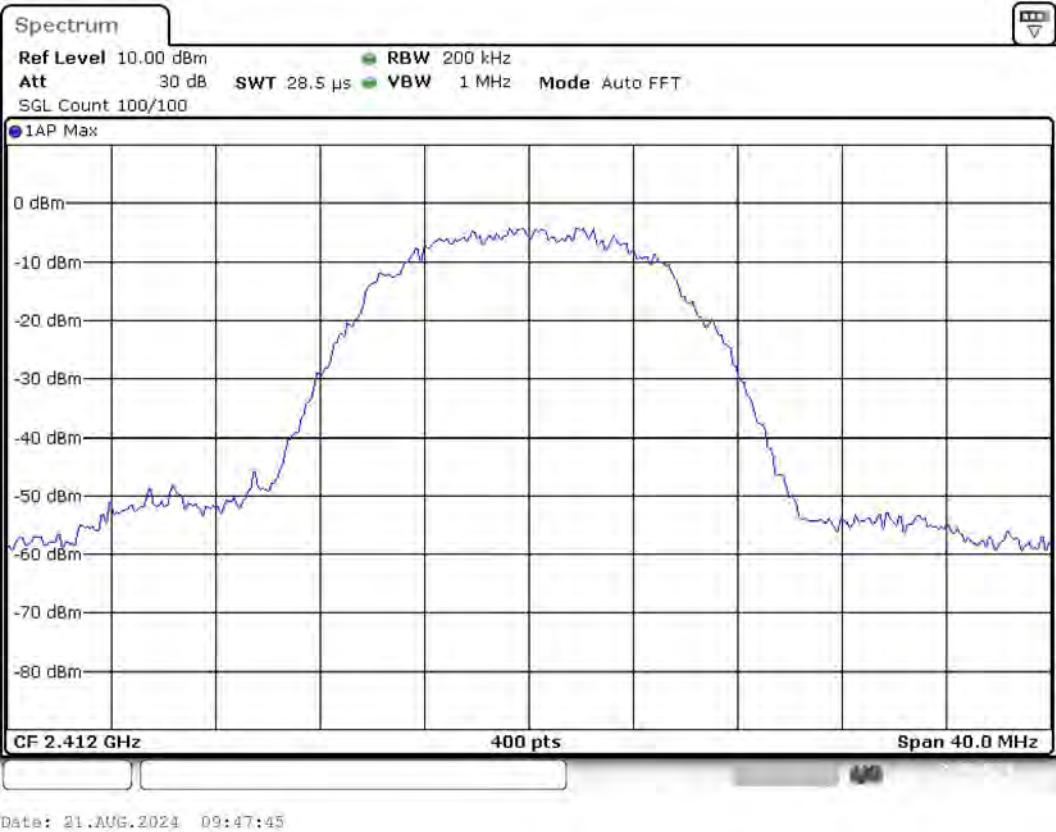
20 dB Bandwidth



99 % Bandwidth



Bandwidth



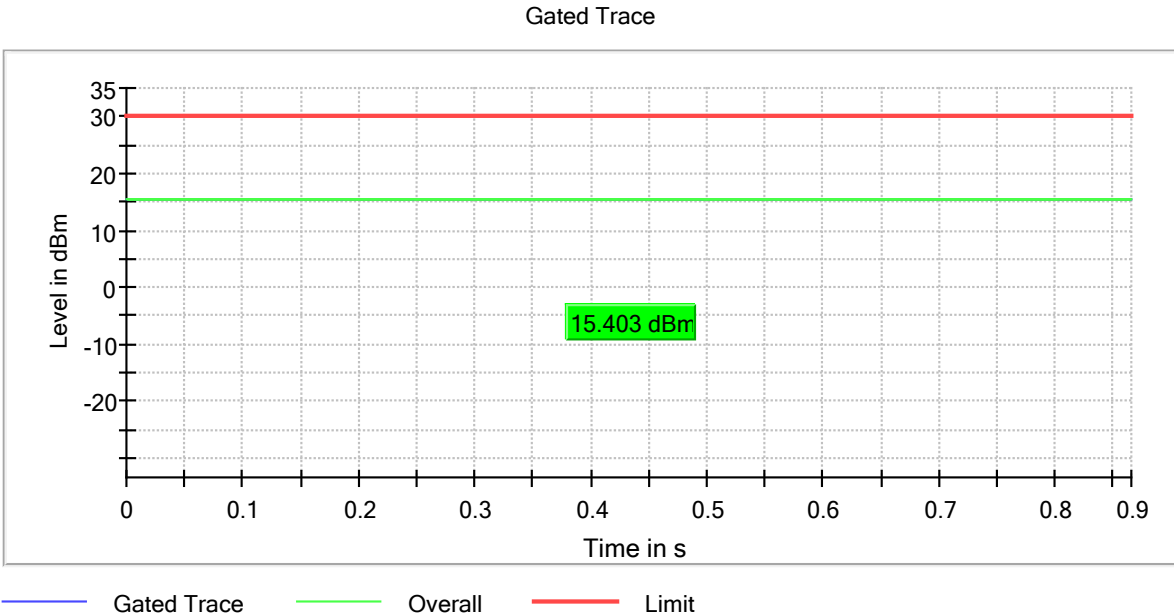
Measurement

| 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      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| SweepTime             | 28.477 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)

Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2412.000000         | 15.4            | 30.0            | 15.4             | 86.832        | PASS   |



OSP PowerMeter settings

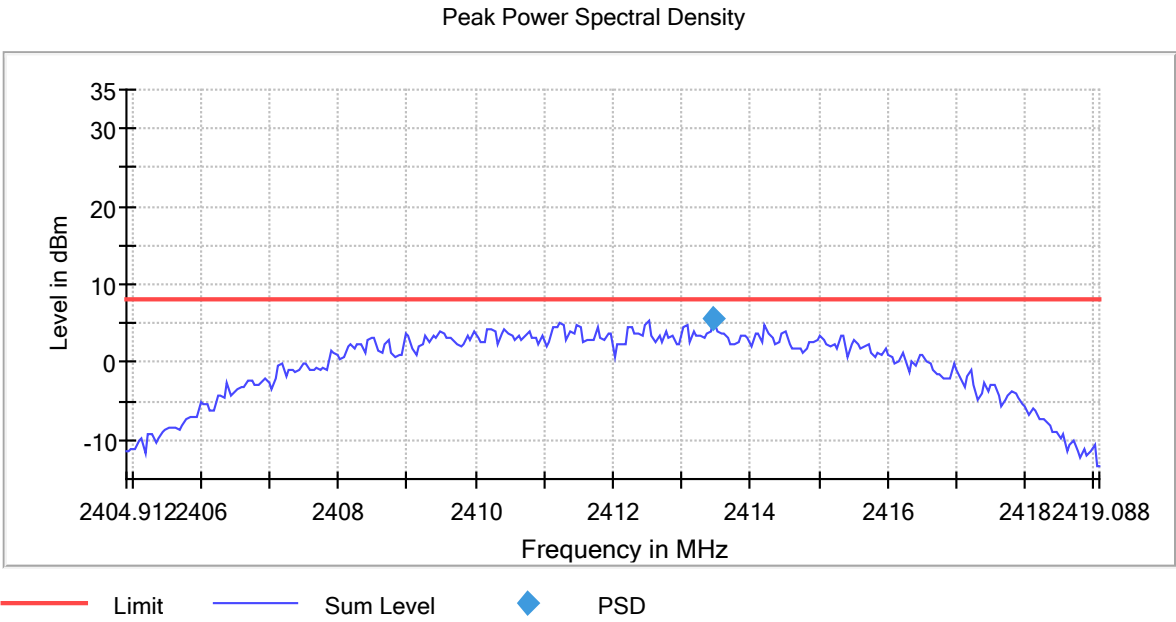
| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

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

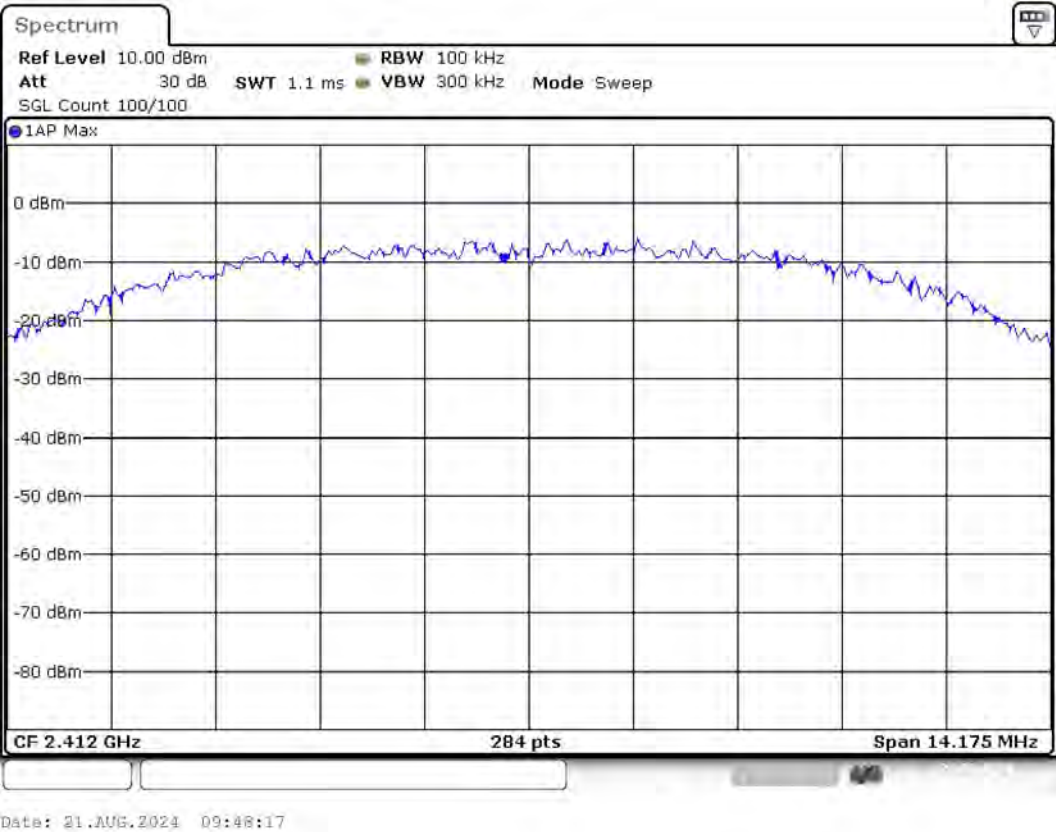
Customized settings.

Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2413.472403     | 5.702     | 8.0             | PASS   |



PSD Connector 1



Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.40491 GHz      | 2.40491 GHz    |
| Stop Frequency        | 2.41909 GHz      | 2.41909 GHz    |
| Span                  | 14.175 MHz       | 14.175 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 284              | ~ 284          |
| 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)****Result**

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

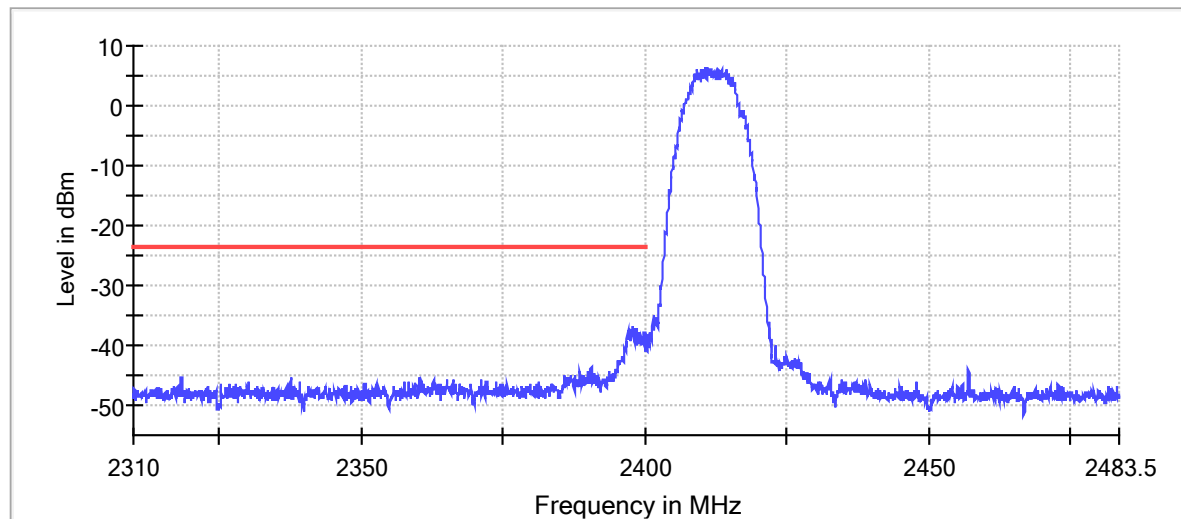
**Inband Peak**

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2411.125000     | 6.3         |

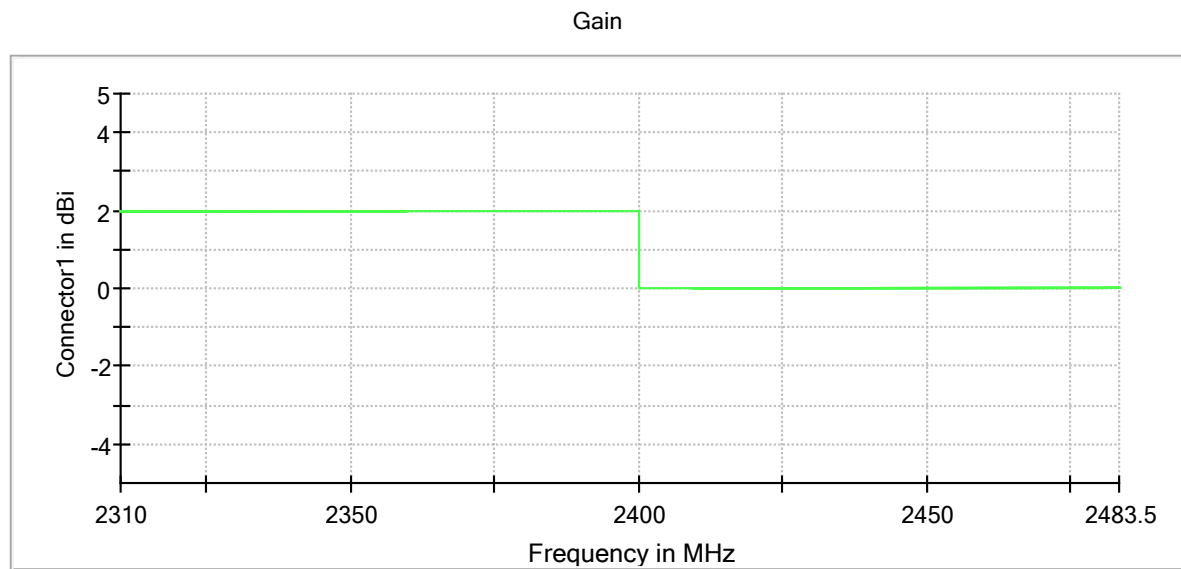
**Measurements**

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2397.875000     | -36.9       | 13.2        | -23.7       | PASS   |
| 2398.225000     | -37.0       | 13.3        | -23.7       | PASS   |
| 2397.925000     | -37.0       | 13.3        | -23.7       | PASS   |
| 2398.275000     | -37.1       | 13.4        | -23.7       | PASS   |
| 2397.975000     | -37.2       | 13.5        | -23.7       | PASS   |
| 2398.625000     | -37.3       | 13.6        | -23.7       | PASS   |
| 2398.175000     | -37.4       | 13.7        | -23.7       | PASS   |
| 2397.675000     | -37.4       | 13.7        | -23.7       | PASS   |
| 2396.975000     | -37.5       | 13.8        | -23.7       | PASS   |
| 2397.025000     | -37.6       | 13.8        | -23.7       | PASS   |
| 2398.675000     | -37.6       | 13.9        | -23.7       | PASS   |
| 2399.925000     | -37.8       | 14.1        | -23.7       | PASS   |
| 2397.725000     | -37.8       | 14.1        | -23.7       | PASS   |
| 2399.975000     | -37.9       | 14.2        | -23.7       | PASS   |
| 2398.575000     | -37.9       | 14.2        | -23.7       | PASS   |

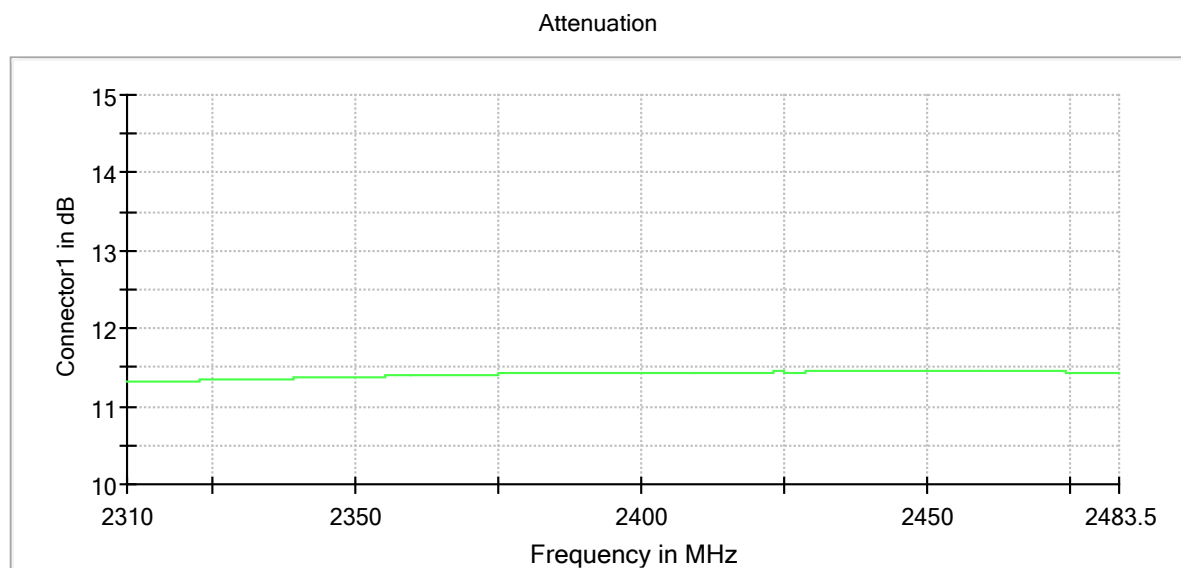
Band Edge



— Limit    — Sum Level    × Fail

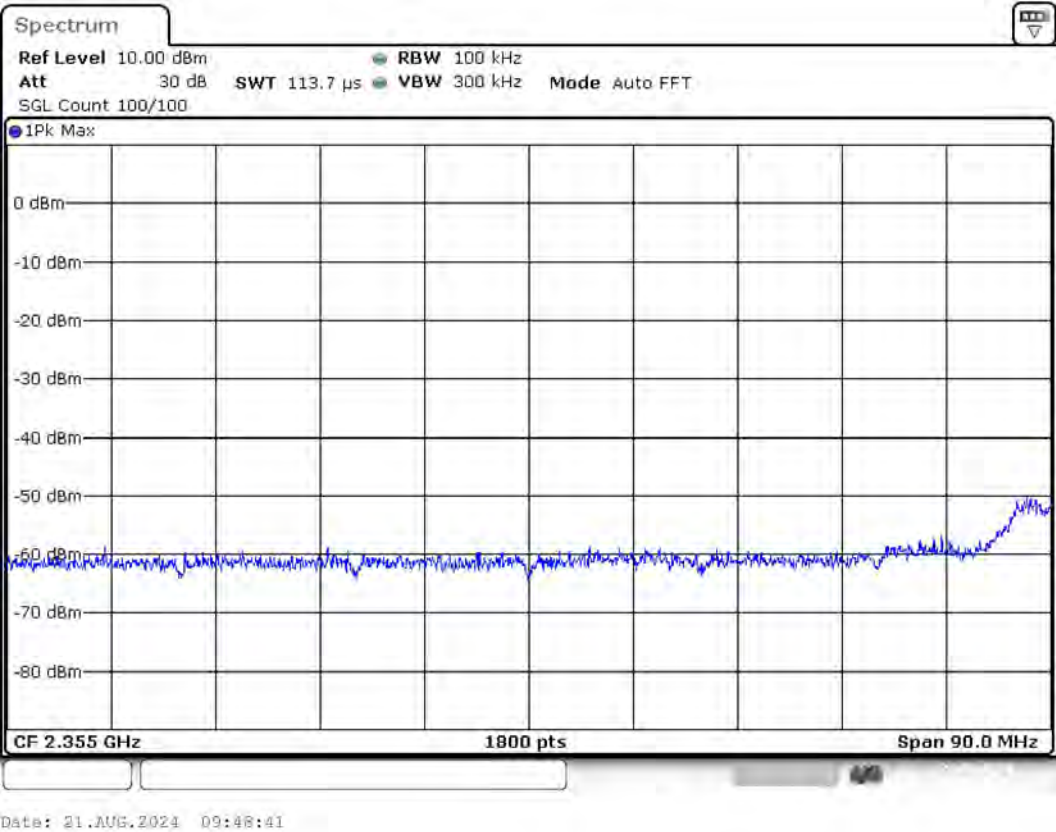


Connector1

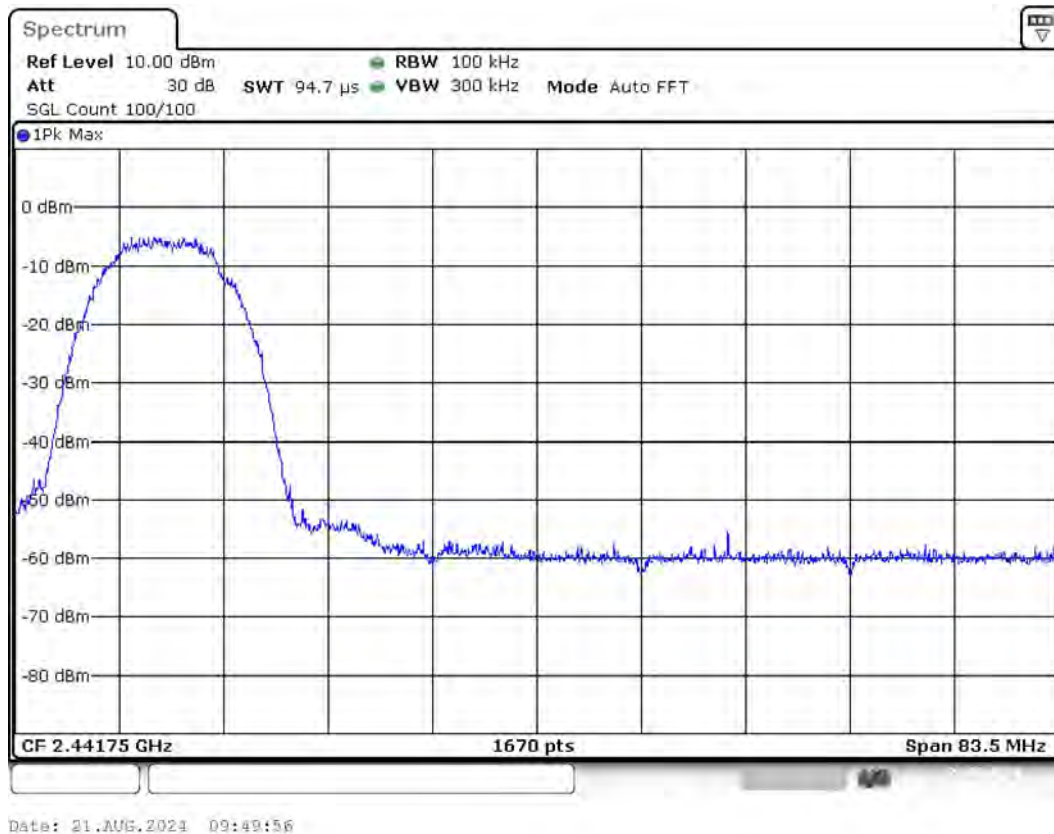


Connector1

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      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| Sweptime              | 113.672 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                   | 9 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| 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      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |

|                              |                                 |                   |
|------------------------------|---------------------------------|-------------------|
| <b>SweepPoints</b>           | <b>1670</b>                     | <b>~ 1670</b>     |
| <b>SweepTime</b>             | <b>94.727 <math>\mu</math>s</b> | <b>AUTO</b>       |
| <b>Reference Level</b>       | <b>10.000 dBm</b>               | <b>10.000 dBm</b> |
| <b>Attenuation</b>           | <b>30.000 dB</b>                | <b>AUTO</b>       |
| <b>Detector</b>              | <b>MaxPeak</b>                  | <b>MaxPeak</b>    |
| <b>SweepCount</b>            | <b>100</b>                      | <b>100</b>        |
| <b>Filter</b>                | <b>3 dB</b>                     | <b>3 dB</b>       |
| <b>Trace Mode</b>            | <b>Max Hold</b>                 | <b>Max Hold</b>   |
| <b>SweepType</b>             | <b>FFT</b>                      | <b>AUTO</b>       |
| <b>Preamp</b>                | <b>off</b>                      | <b>off</b>        |
| <b>Stablemode</b>            | <b>Trace</b>                    | <b>Trace</b>      |
| <b>Stablevalue</b>           | <b>0.50 dB</b>                  | <b>0.50 dB</b>    |
| <b>Run</b>                   | <b>62 / max. 150</b>            | <b>max. 150</b>   |
| <b>Stable</b>                | <b>3 / 3</b>                    | <b>3</b>          |
| <b>Max Stable Difference</b> | <b>0.00 dB</b>                  | <b>0.50 dB</b>    |

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

Customized settings.

**Result**

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

**Final measurements**

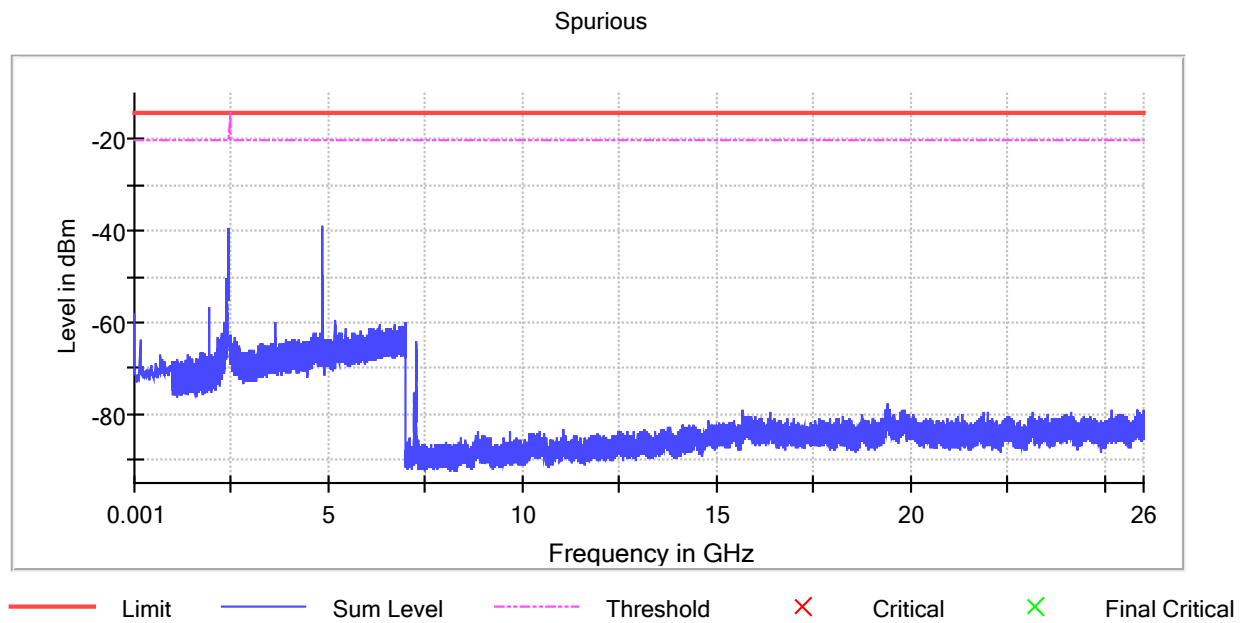
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

**Pre Measurements**

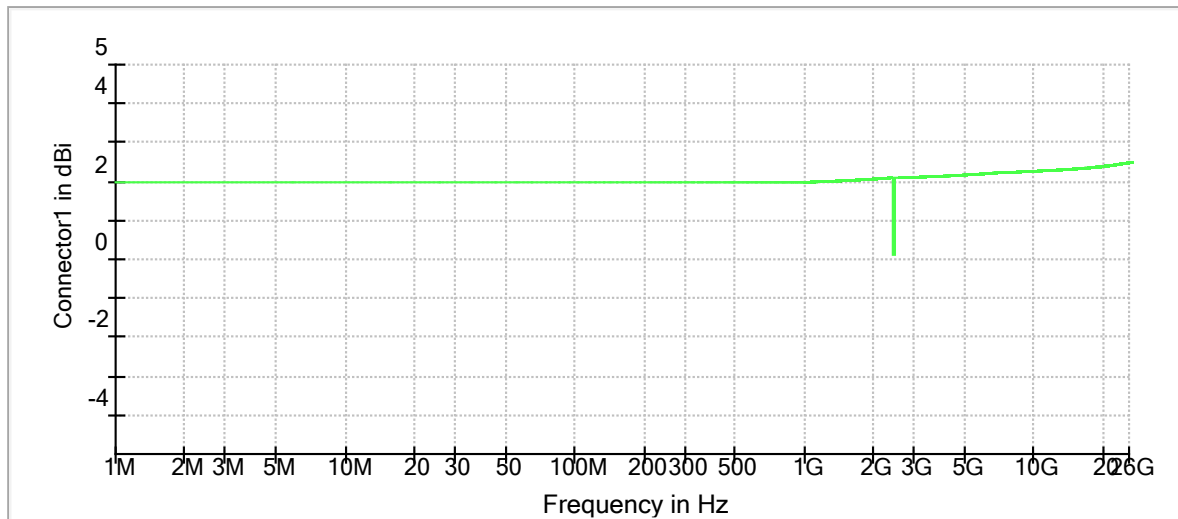
| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4824.032413     | -38.9       | 24.6        | -14.3       |
| 2397.125000     | -39.6       | 25.3        | -14.3       |
| 2397.075000     | -40.2       | 25.9        | -14.3       |
| 2397.175000     | -40.3       | 26.0        | -14.3       |
| 2397.275000     | -40.5       | 26.2        | -14.3       |
| 2397.325000     | -40.8       | 26.5        | -14.3       |
| 2396.825000     | -41.0       | 26.7        | -14.3       |
| 2399.525000     | -41.0       | 26.7        | -14.3       |
| 2396.875000     | -41.1       | 26.8        | -14.3       |
| 2397.725000     | -41.4       | 27.1        | -14.3       |
| 2397.775000     | -41.5       | 27.2        | -14.3       |
| 2397.925000     | -41.6       | 27.3        | -14.3       |
| 2399.575000     | -41.7       | 27.4        | -14.3       |
| 2398.175000     | -41.8       | 27.5        | -14.3       |
| 2398.675000     | -41.8       | 27.5        | -14.3       |

**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                 |

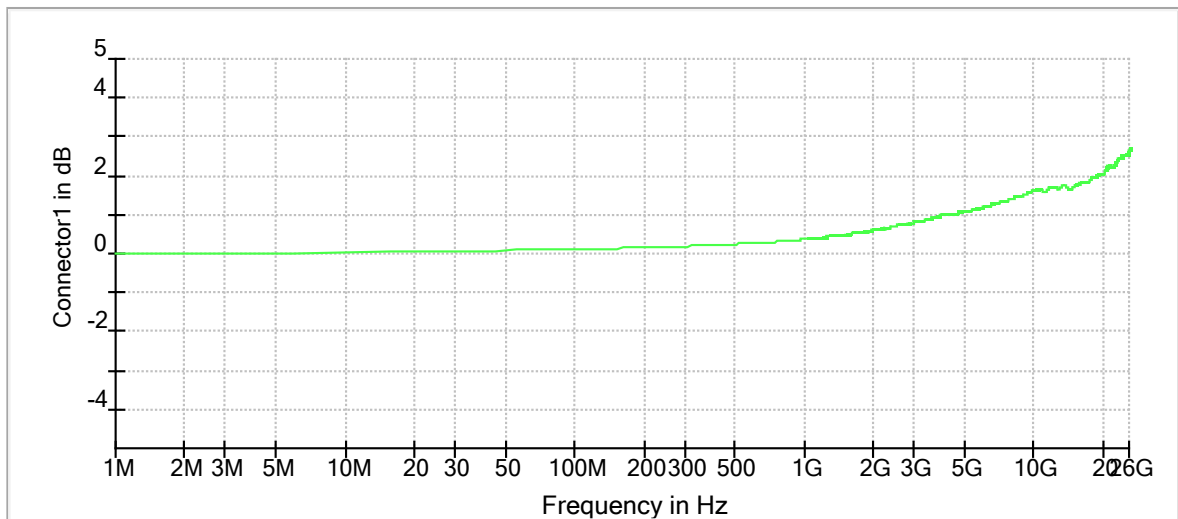


Gain



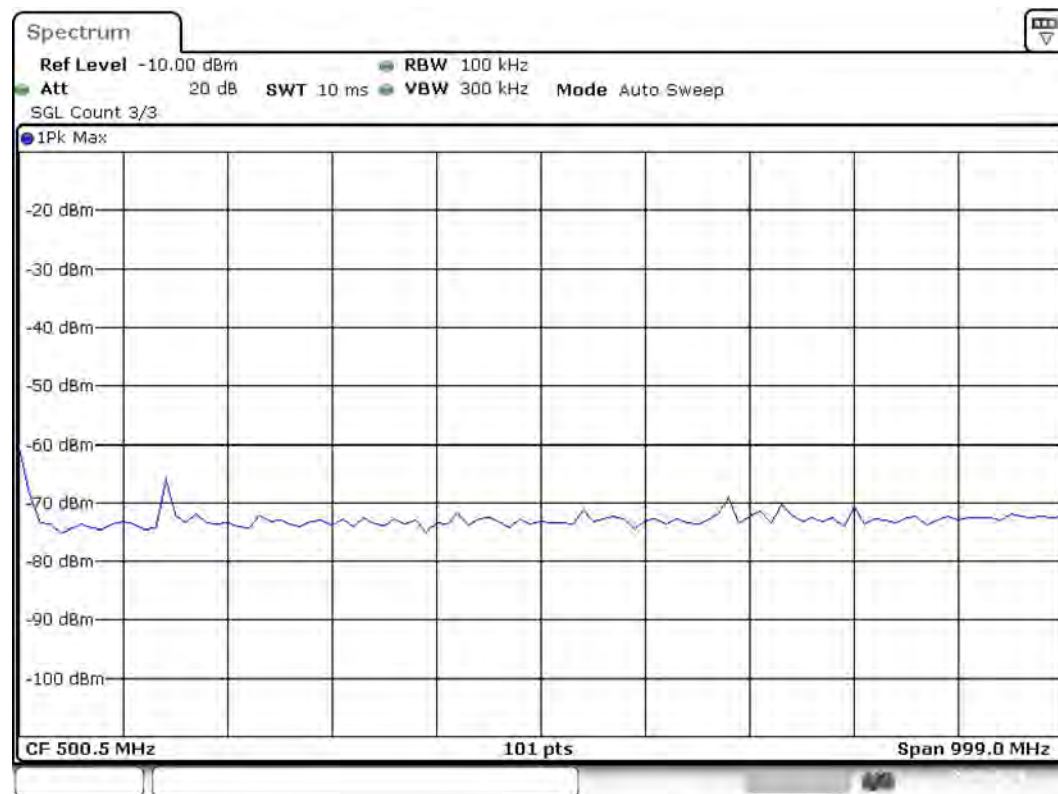
Connector1

Attenuation



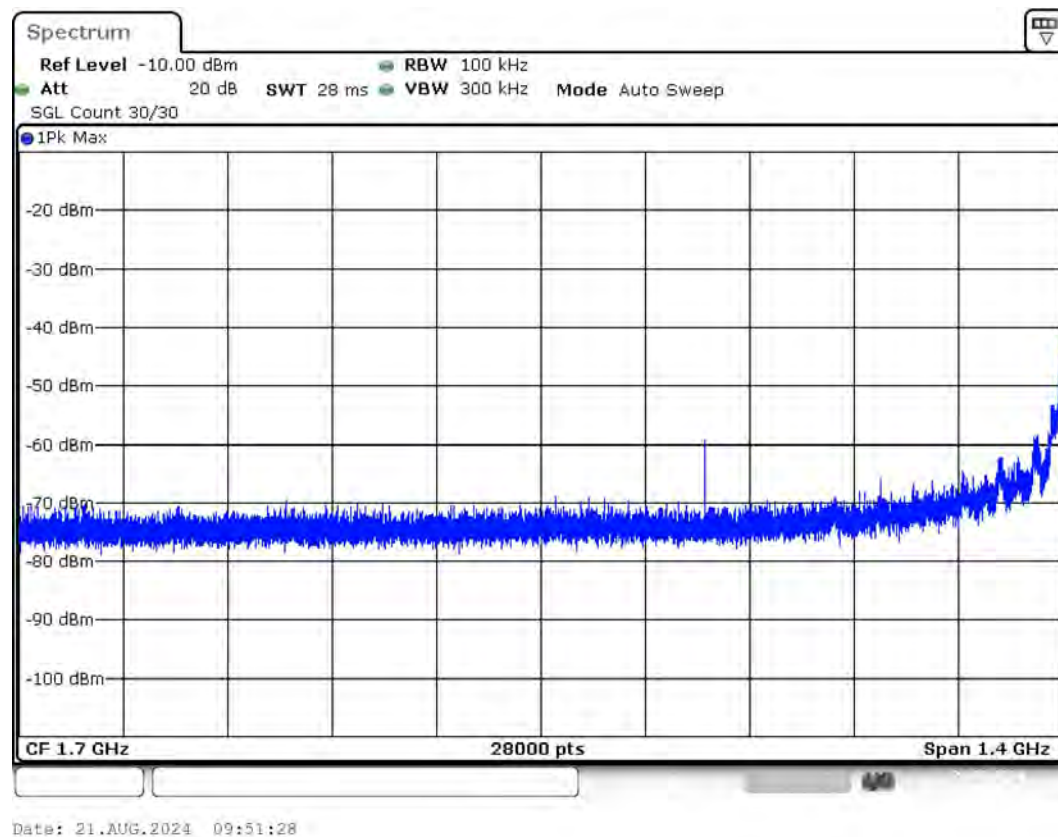
Connector1

Spurious Connector 1\_0

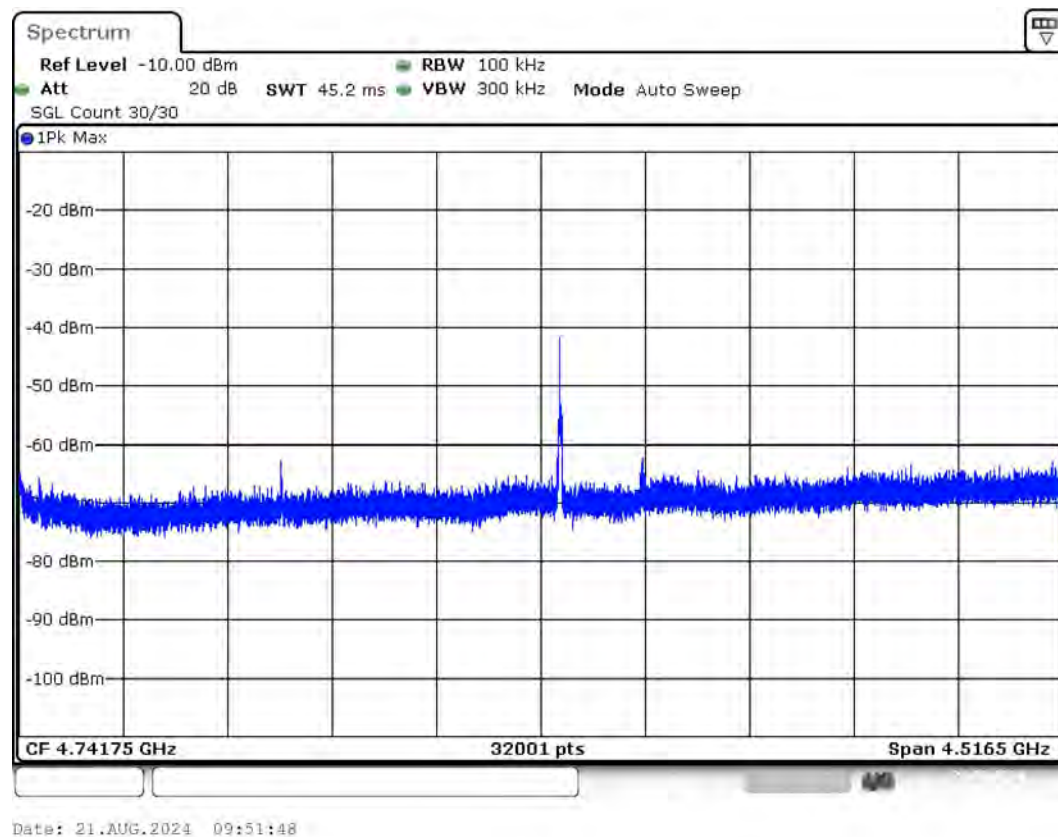


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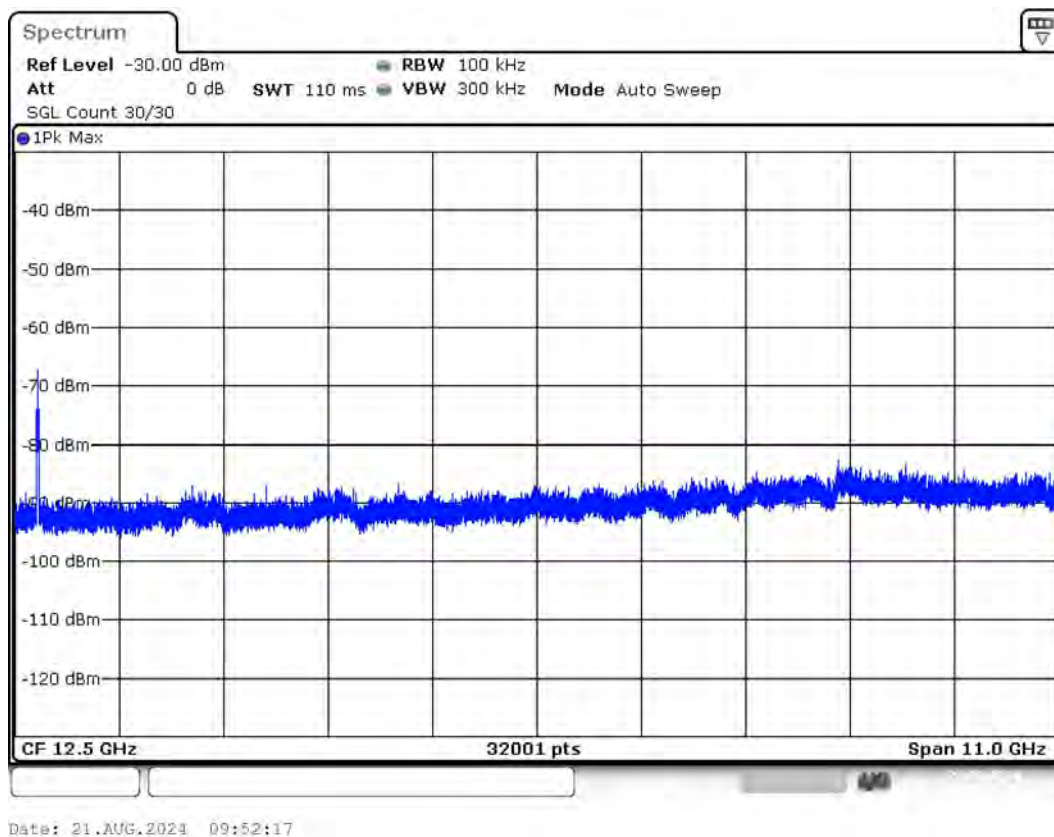
Spurious Connector 1\_1



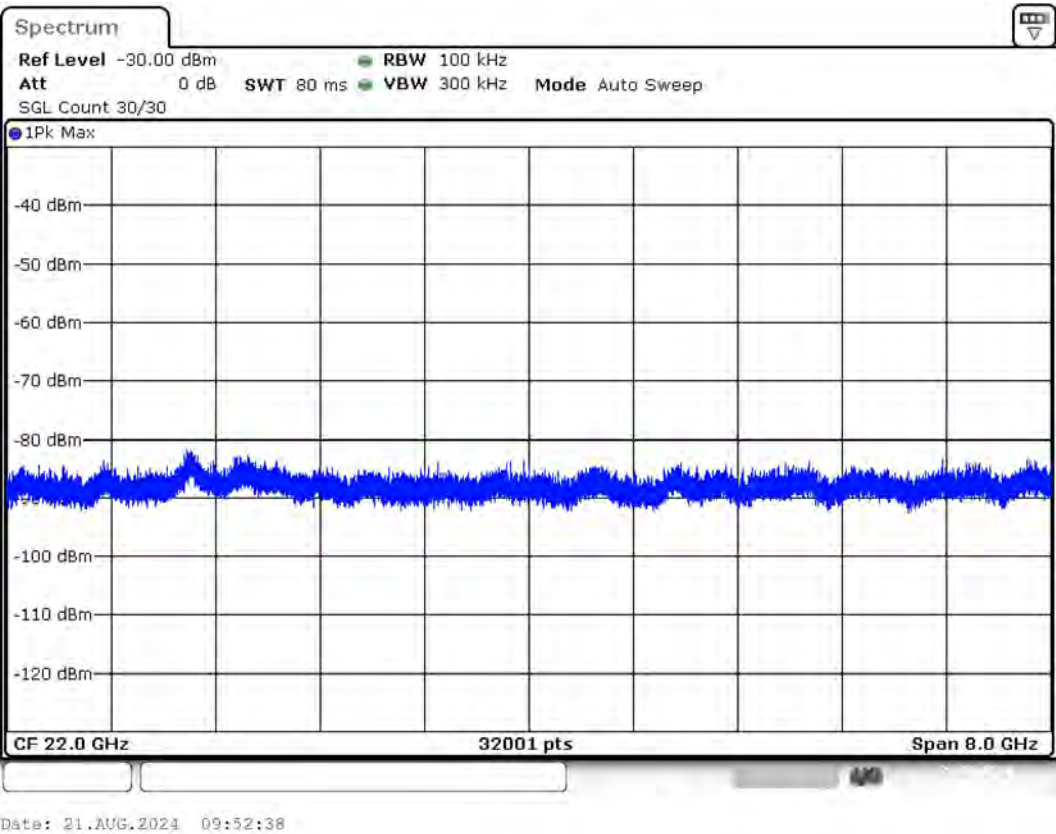
Spurious Connector 1\_2



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           | 101              | ~ 101          |
| SweepTime             | 9.990 ms         | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| 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     | 28000            | ~ 28000        |
| SweepTime       | 28.000 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -30.000 dBm    |
| Attenuation     | 20.000 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.

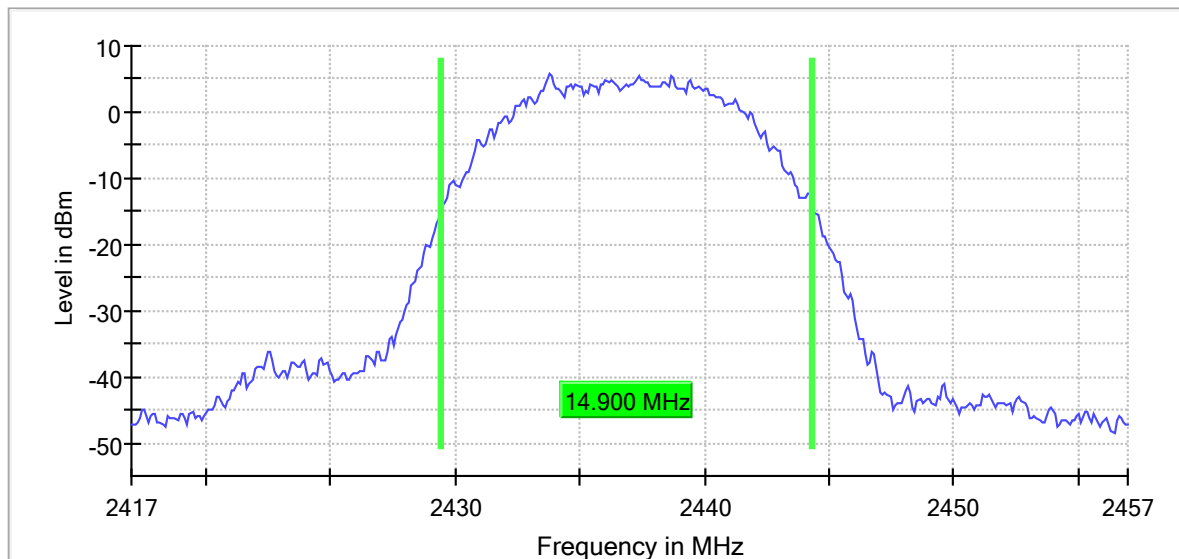
**20 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 14.900000       | ---             | ---             | 2429.450000          | 2444.350000           |

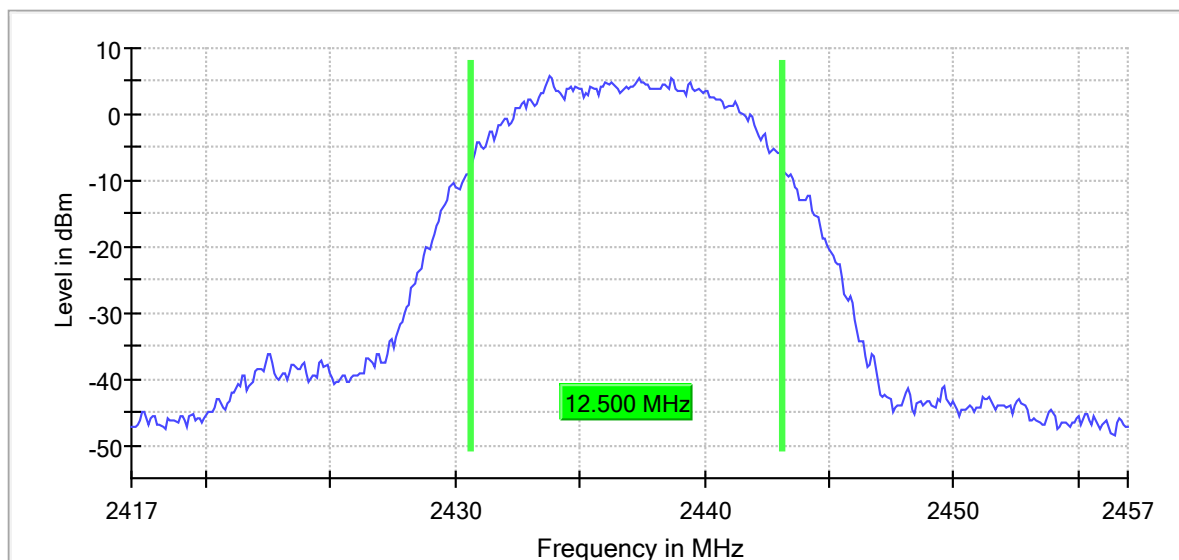
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 5.7             | PASS   |

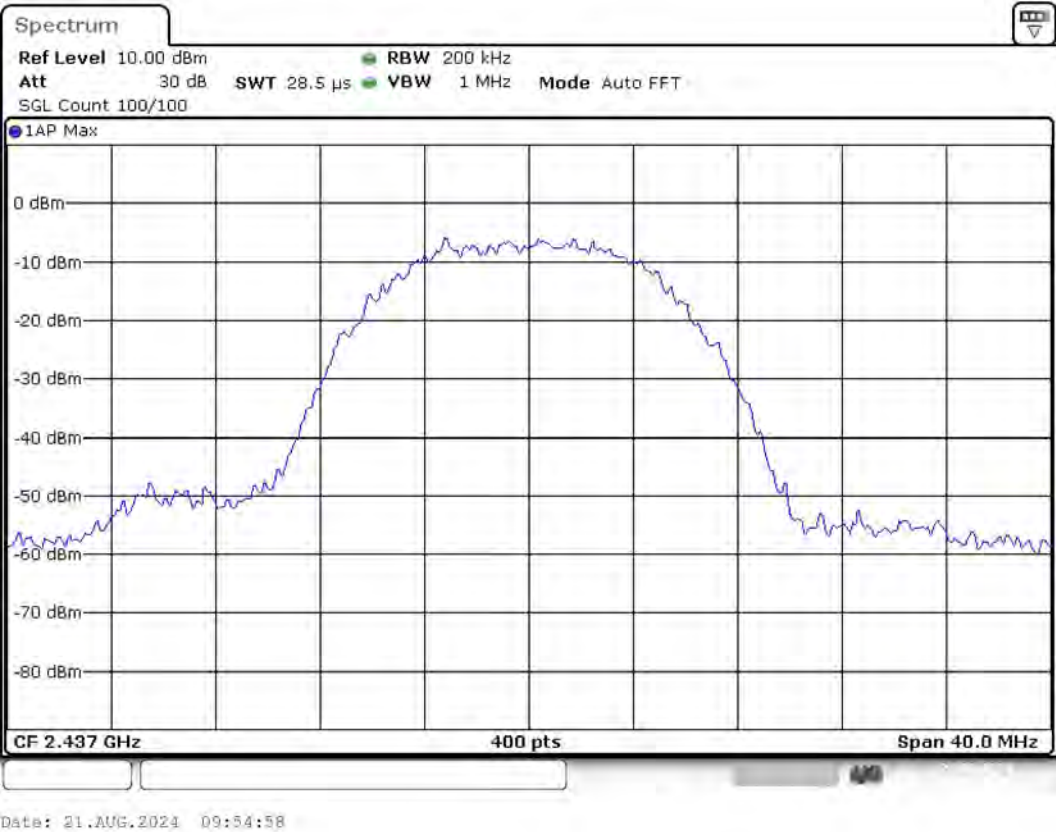
20 dB Bandwidth



99 % Bandwidth



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                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| SweepTime             | 28.477 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.

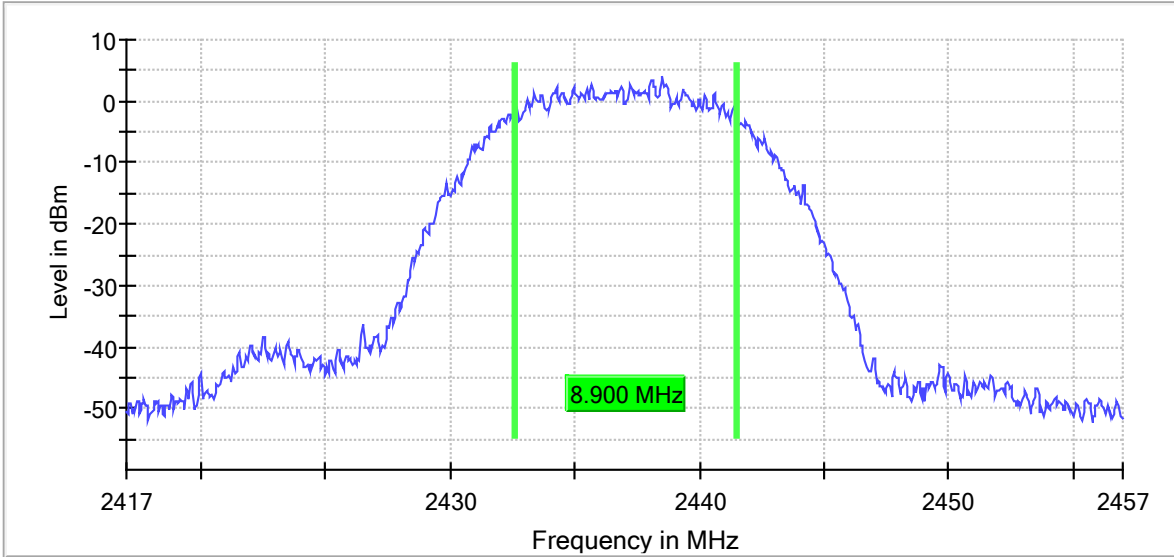
6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 8.900000        | 0.500000        | ---             | 2432.575000          | 2441.475000           |

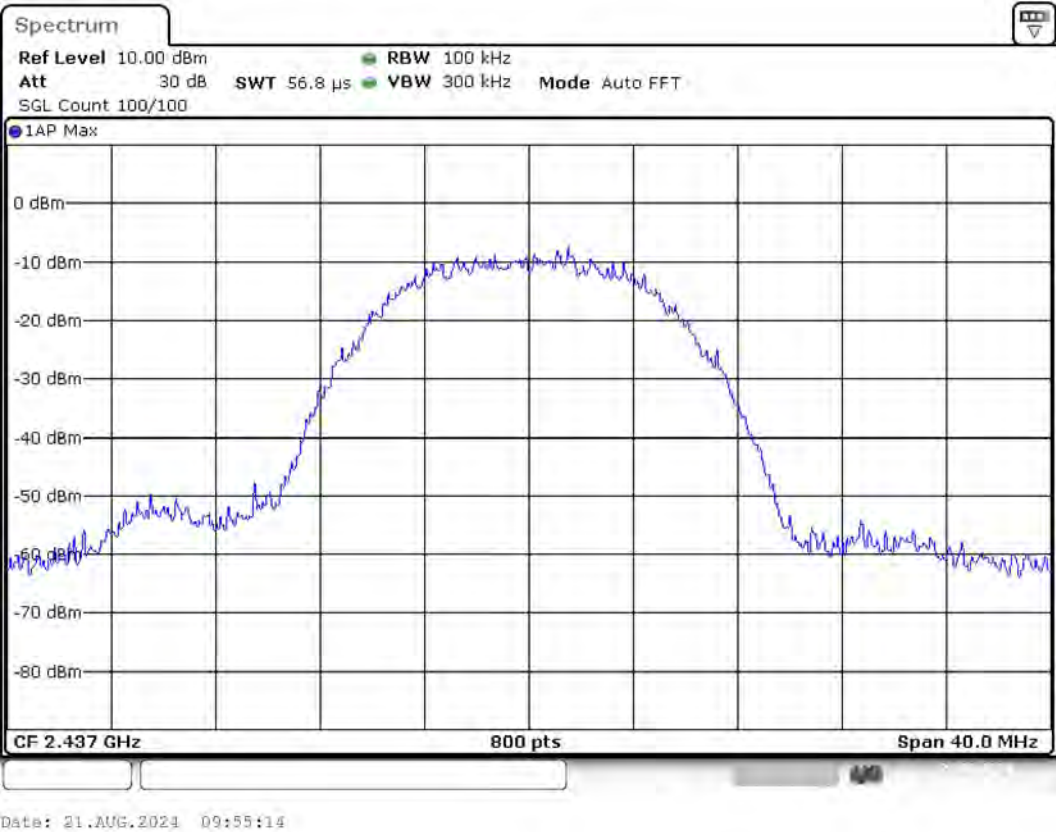
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 4.0             | PASS   |

6 dB Bandwidth



Bandwidth



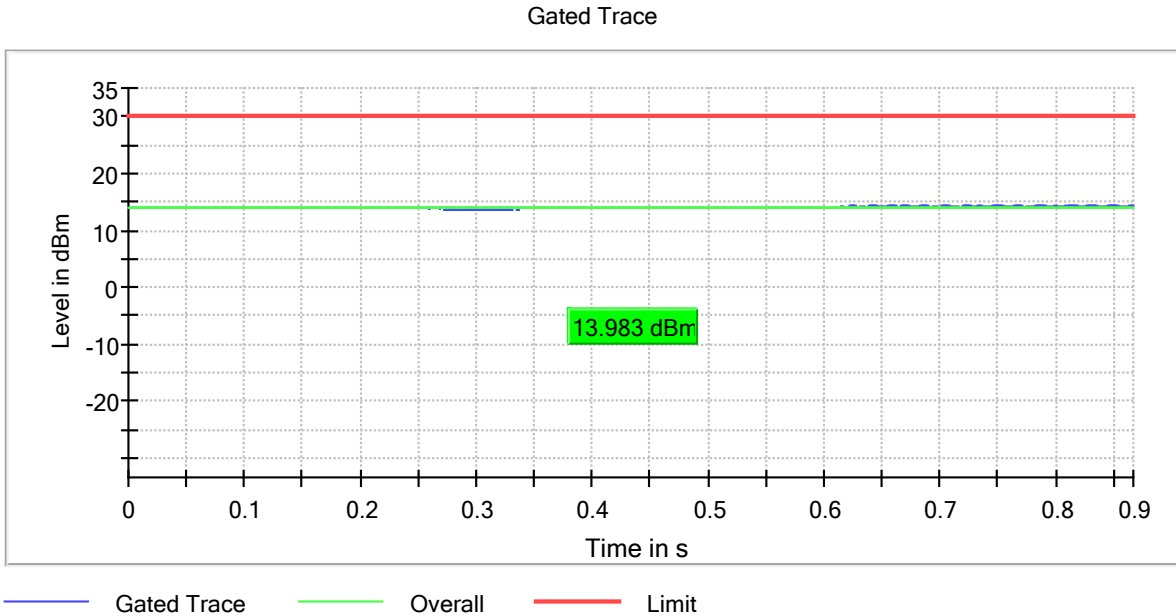
Measurement

| 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           | 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 (2437 MHz; 20.000 dBm; 20 MHz)

Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2437.000000         | 14.0            | 30.0            | 14.0             | 86.836        | 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 |

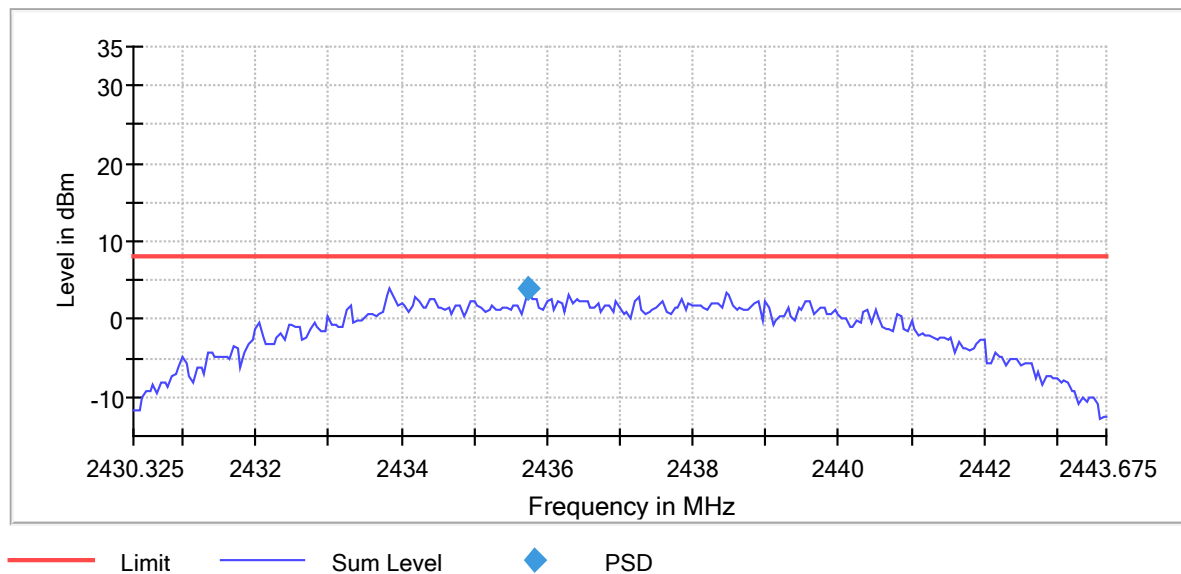
## Peak Power Spectral Density (2437 MHz; 20.000 dBm; 20 MHz)

Customized settings.

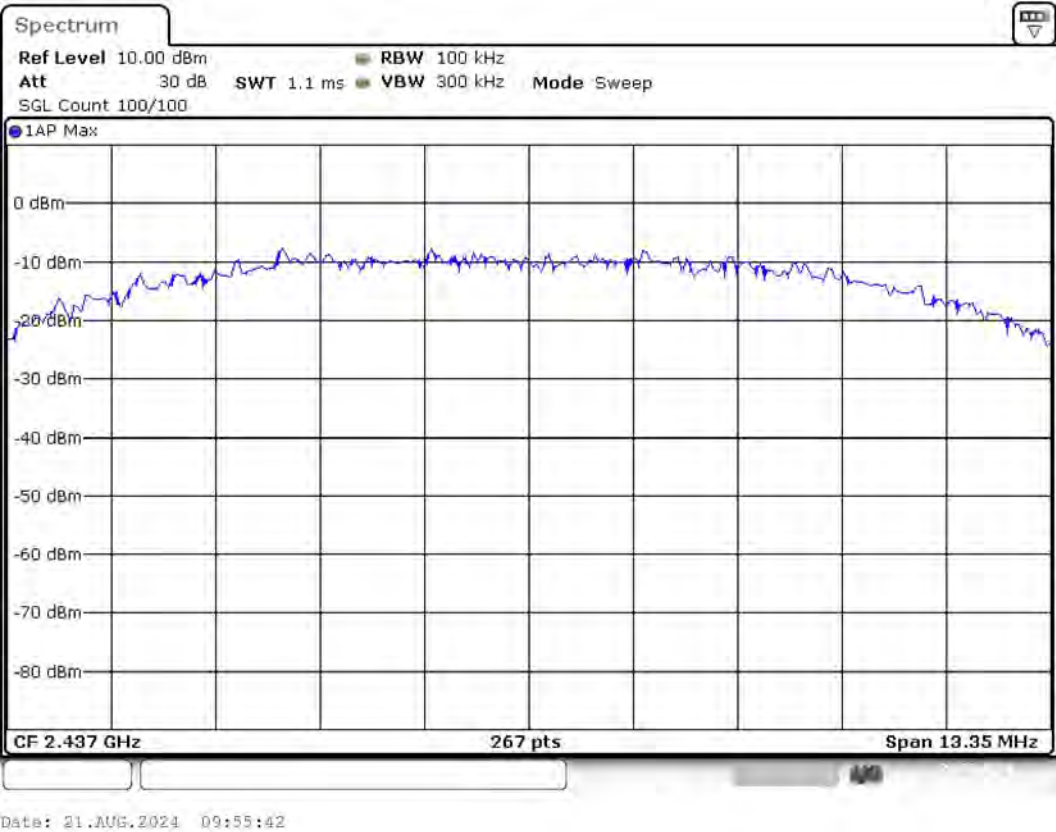
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2435.750000     | 3.962     | 8.0             | PASS   |

Peak Power Spectral Density



PSD Connector 1



Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.43033 GHz      | 2.43033 GHz    |
| Stop Frequency        | 2.44368 GHz      | 2.44368 GHz    |
| Span                  | 13.350 MHz       | 13.350 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 267              | ~ 267          |
| SweepTime             | 1.090 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.

**Result**

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

**Final measurements**

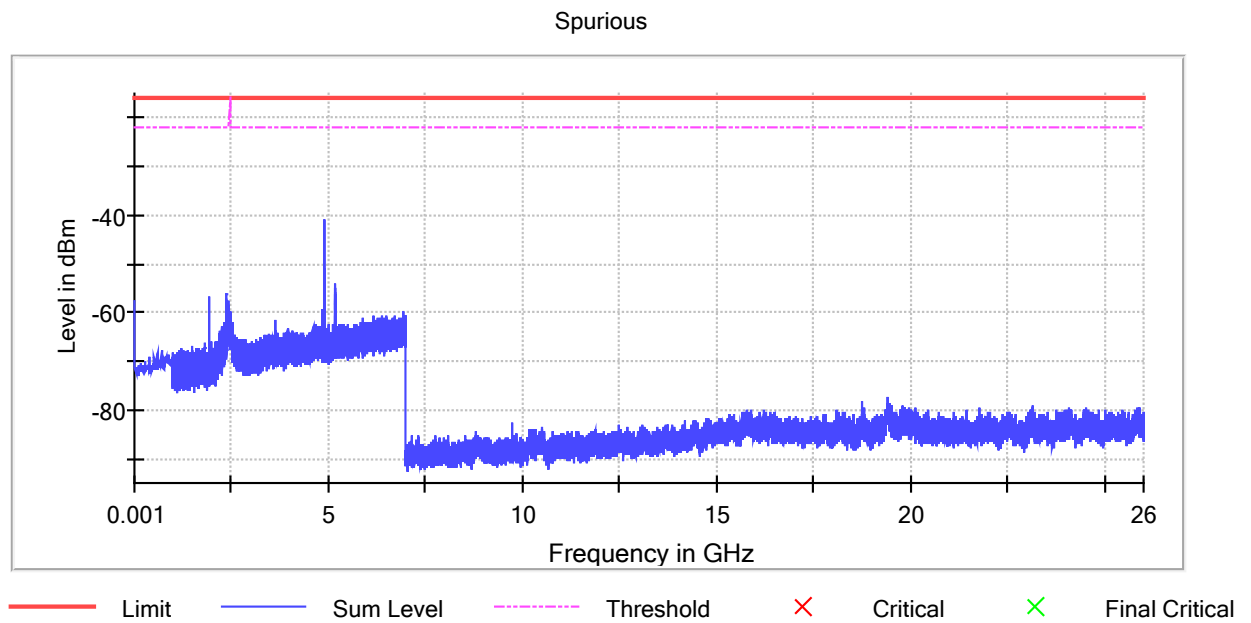
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

**Pre Measurements**

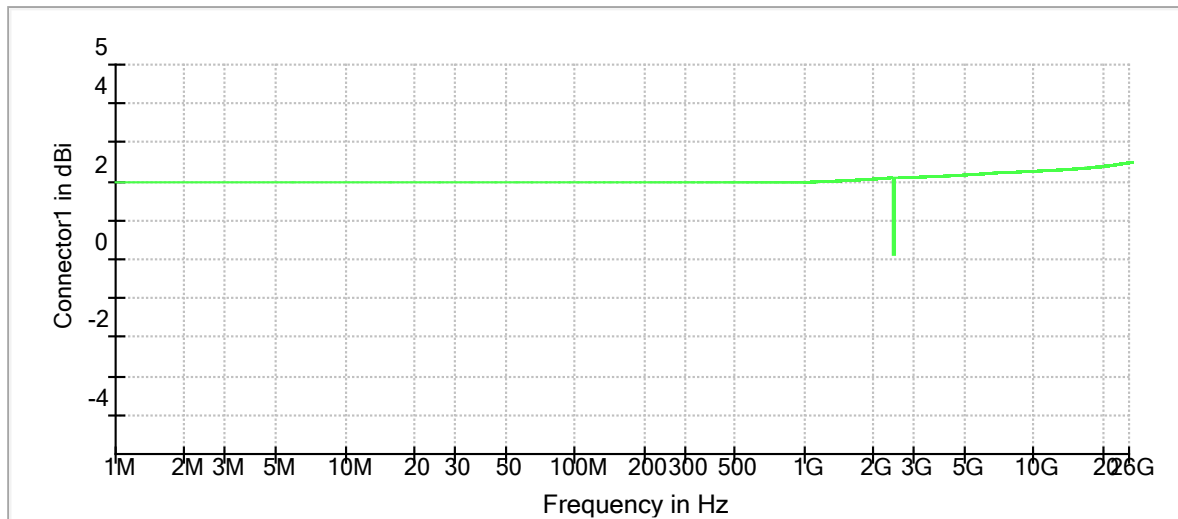
| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4873.994633     | -41.0       | 25.0        | -16.0       |
| 4874.135769     | -43.6       | 27.5        | -16.0       |
| 4872.442135     | -51.3       | 35.2        | -16.0       |
| 4874.982586     | -51.7       | 35.6        | -16.0       |
| 4875.405995     | -51.7       | 35.7        | -16.0       |
| 4874.276905     | -52.1       | 36.0        | -16.0       |
| 4873.430088     | -52.2       | 36.2        | -16.0       |
| 4872.159862     | -52.4       | 36.3        | -16.0       |
| 4874.559178     | -52.5       | 36.4        | -16.0       |
| 4877.240766     | -52.5       | 36.5        | -16.0       |
| 4875.547131     | -52.5       | 36.5        | -16.0       |
| 4873.006679     | -52.6       | 36.5        | -16.0       |
| 4874.700314     | -52.6       | 36.6        | -16.0       |
| 4873.147816     | -52.6       | 36.6        | -16.0       |
| 4875.264859     | -52.7       | 36.6        | -16.0       |

**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                 |

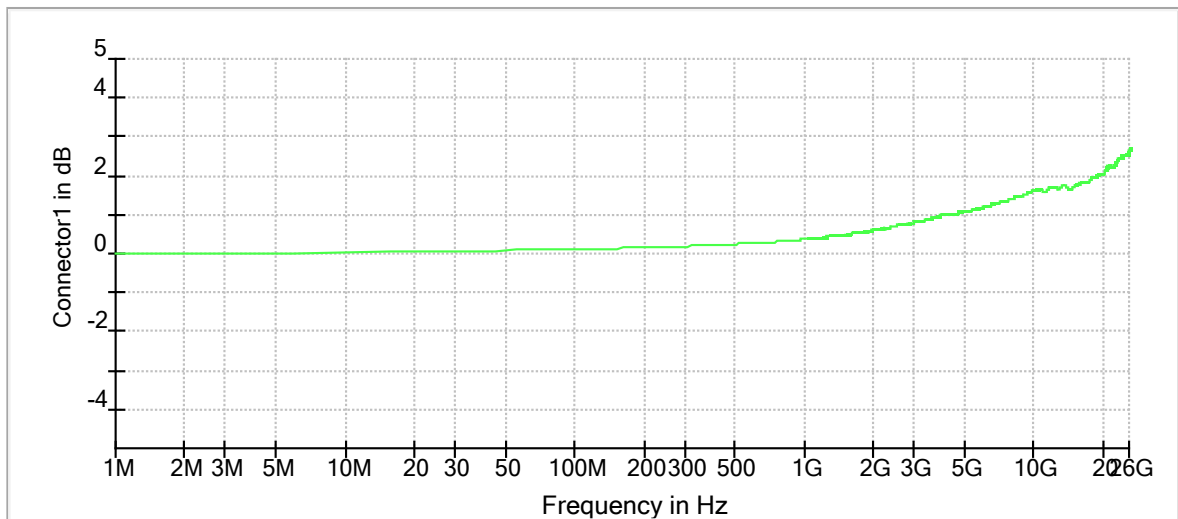


Gain



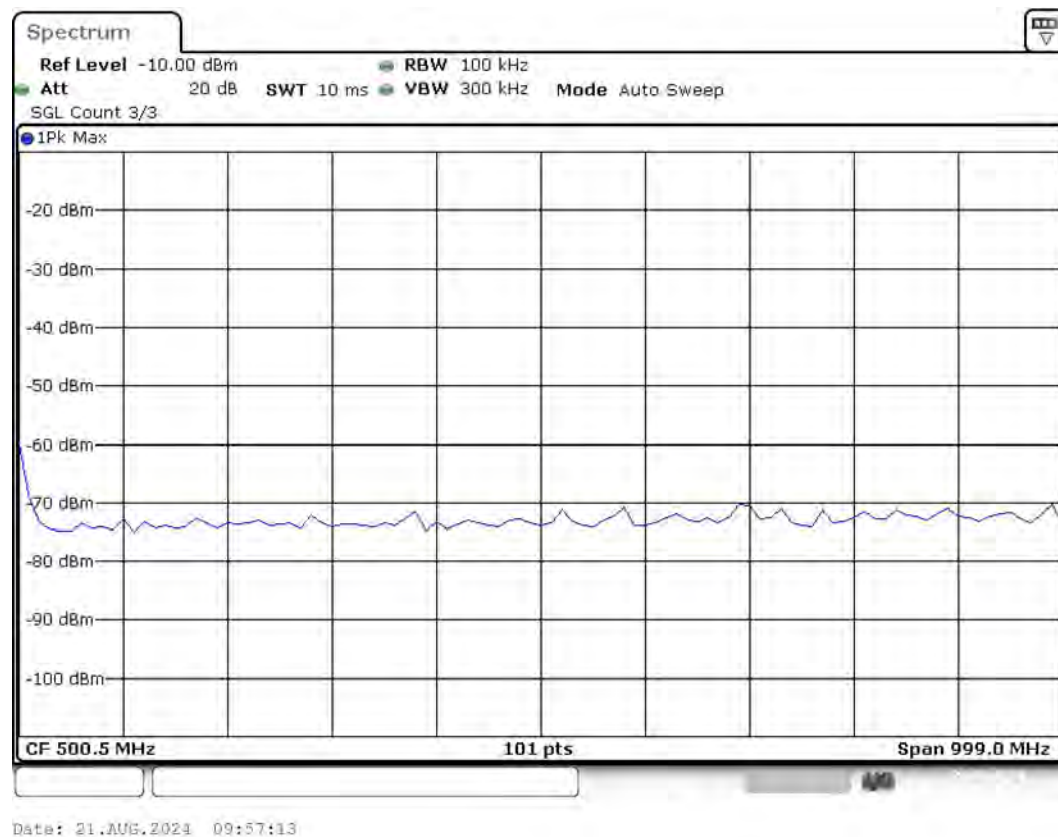
Connector1

Attenuation

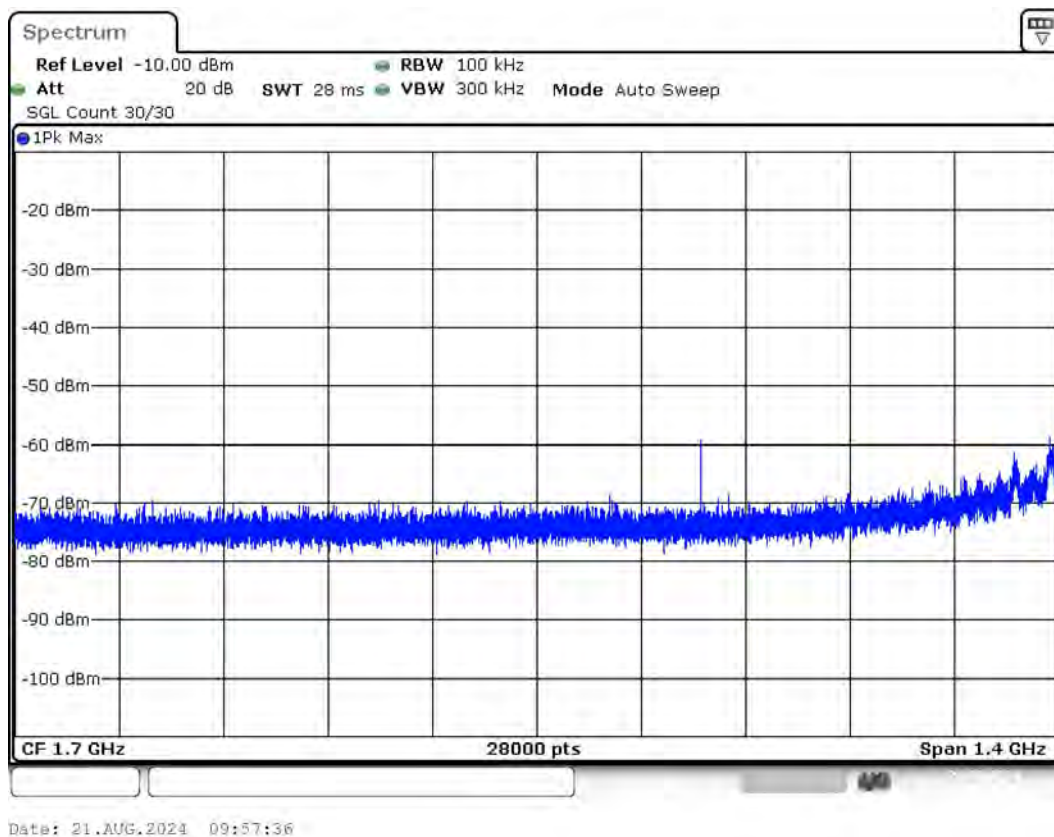


Connector1

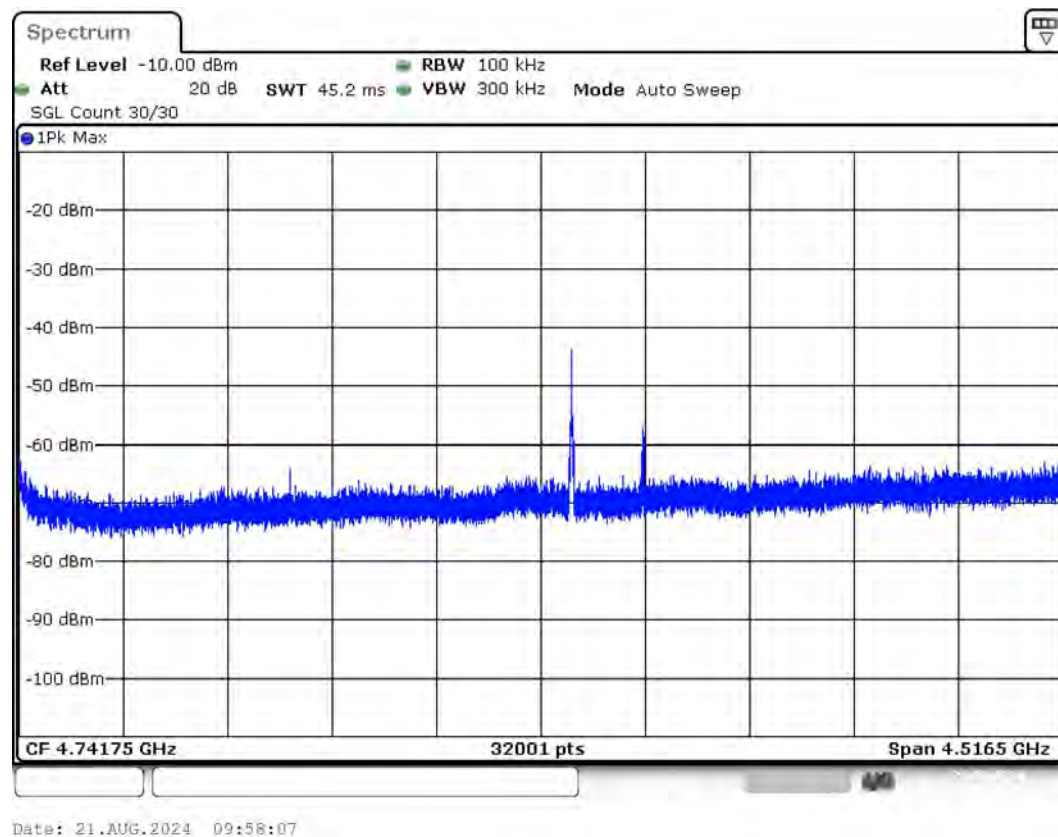
Spurious Connector 1\_0



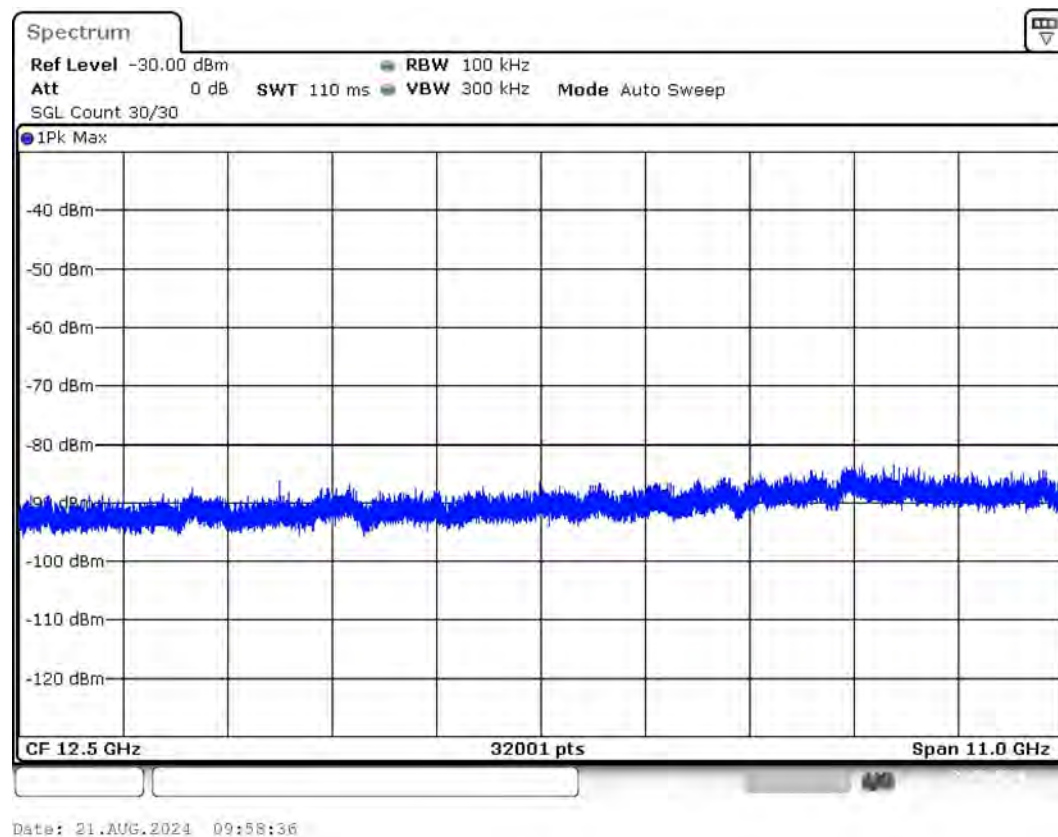
Spurious Connector 1\_1



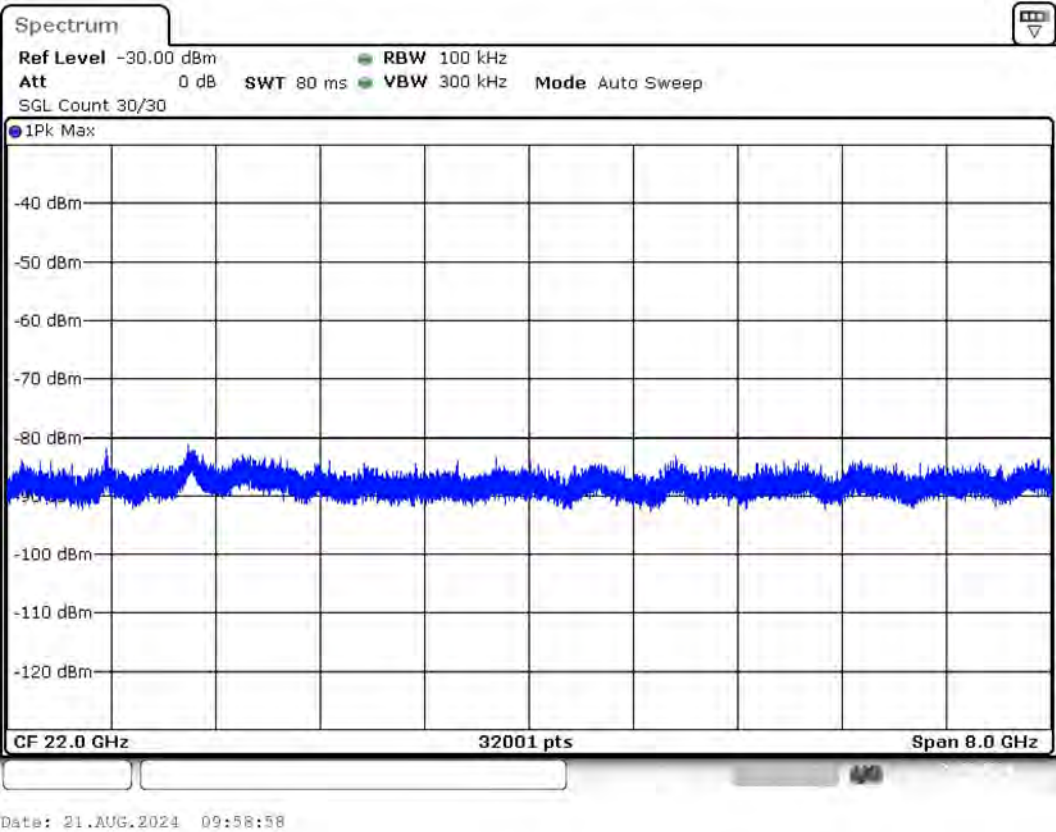
Spurious Connector 1\_2



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           | 101              | ~ 101          |
| SweepTime             | 9.990 ms         | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | 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 | -10.000 dBm      | -30.000 dBm    |
| Attenuation     | 20.000 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.

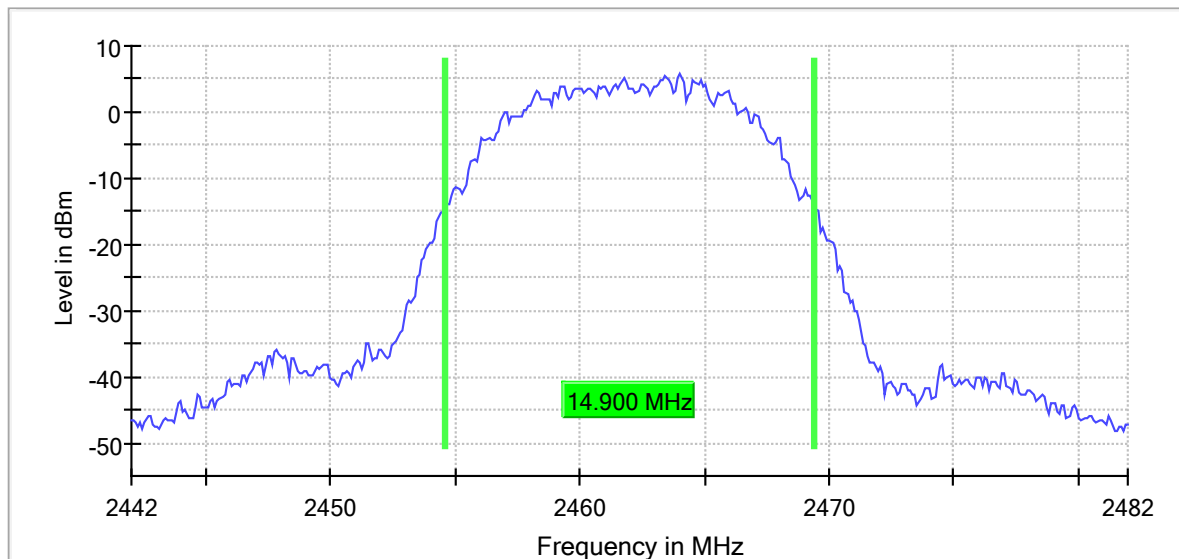
### 20 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 14.900000       | ---             | ---             | 2454.550000          | 2469.450000           |

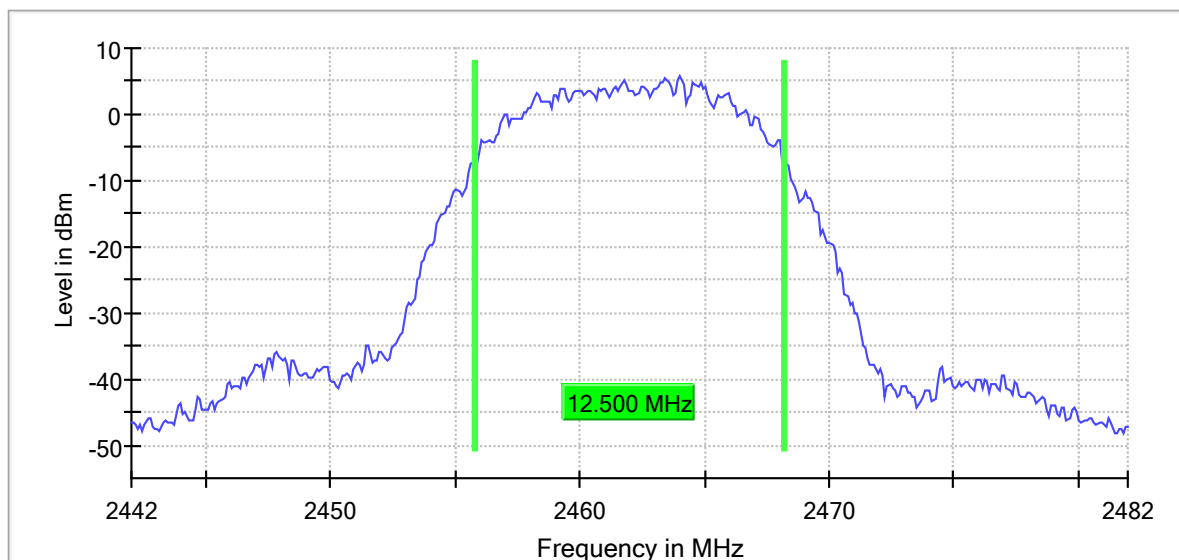
(continuation of the "20 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 5.7             | PASS   |

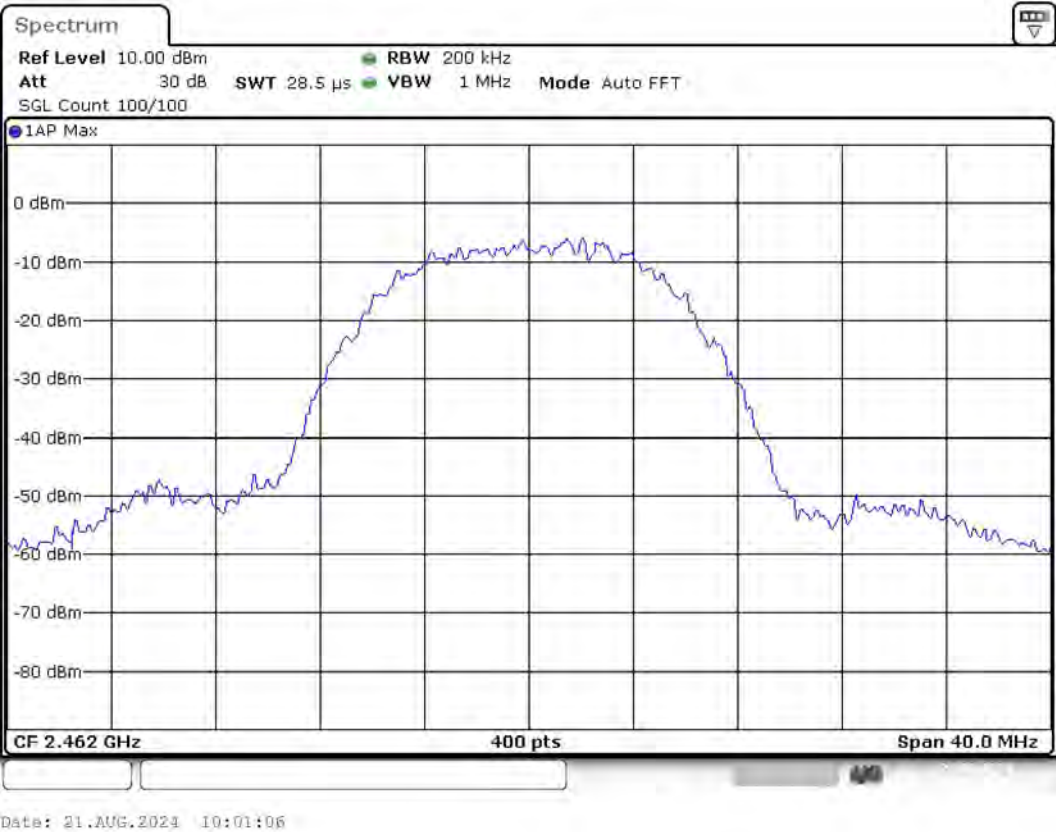
20 dB Bandwidth



99 % Bandwidth



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                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| SweepTime             | 28.477 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.

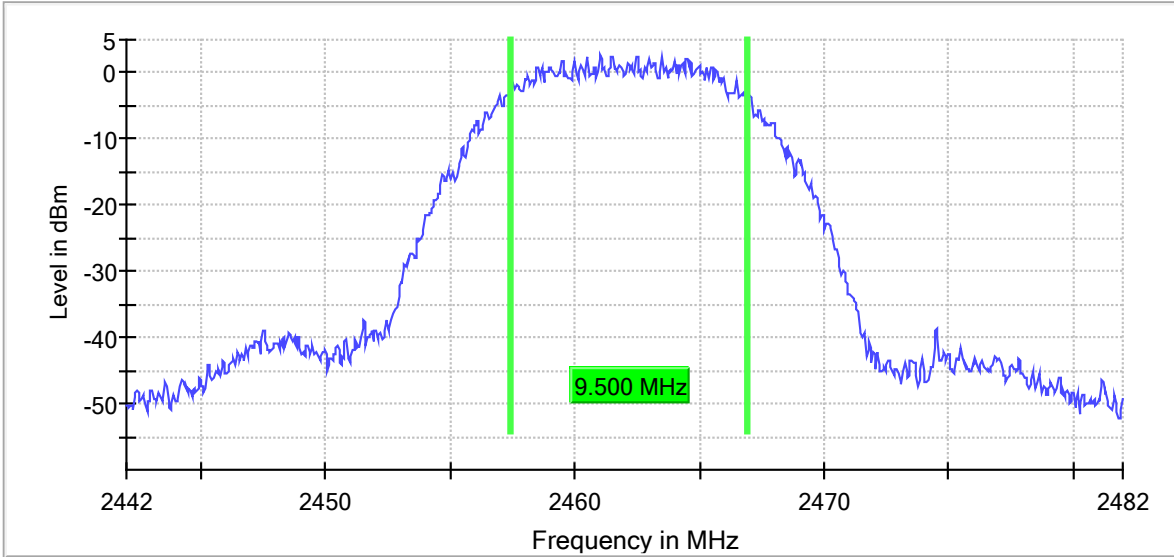
6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 9.500000        | 0.500000        | ---             | 2457.425000          | 2466.925000           |

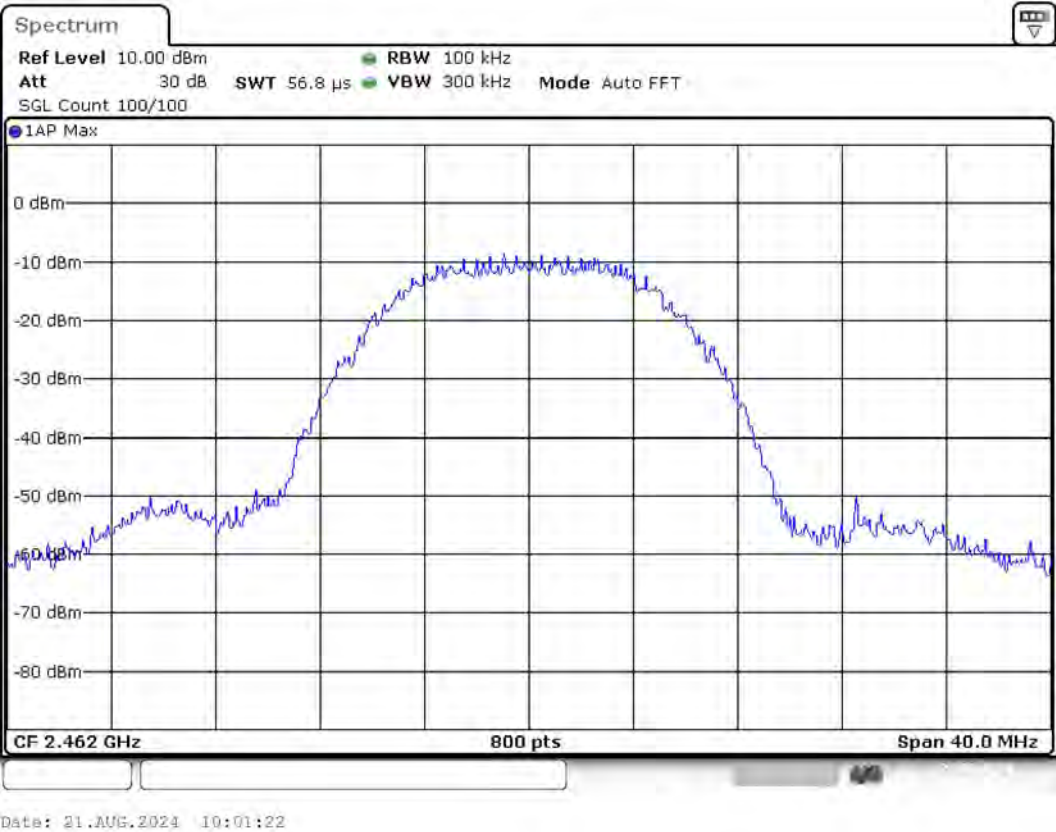
(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 2.9             | PASS   |

6 dB Bandwidth



Bandwidth



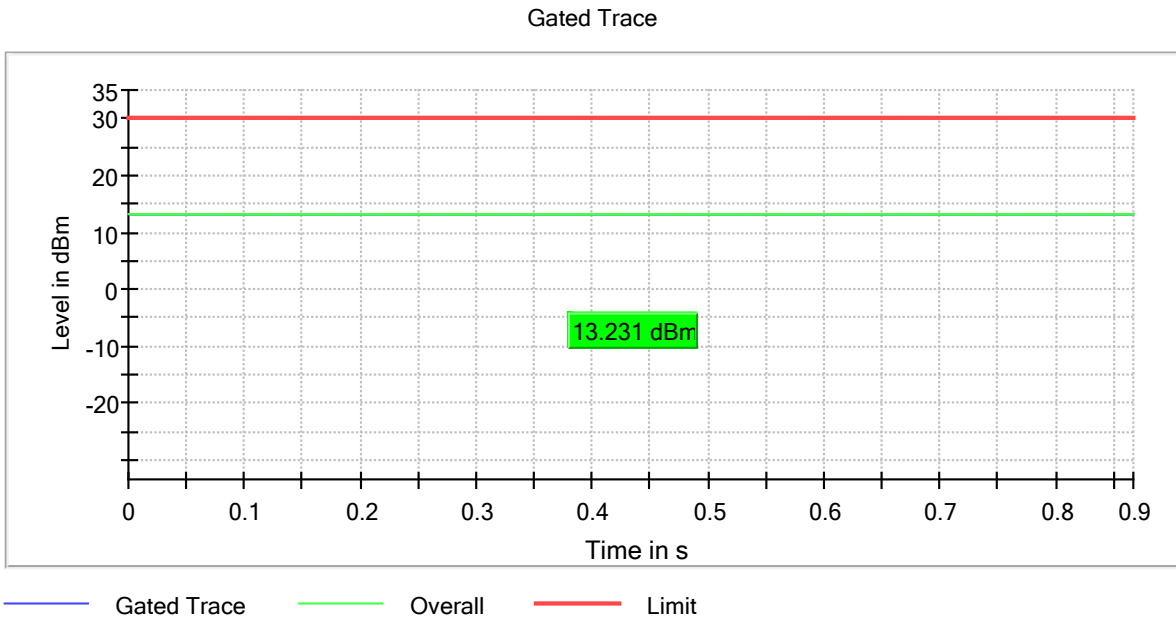
Measurement

| 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           | 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 (2462 MHz; 20.000 dBm; 20 MHz)

Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2462.000000         | 13.2            | 30.0            | 13.2             | 86.837        | PASS   |



OSP PowerMeter settings

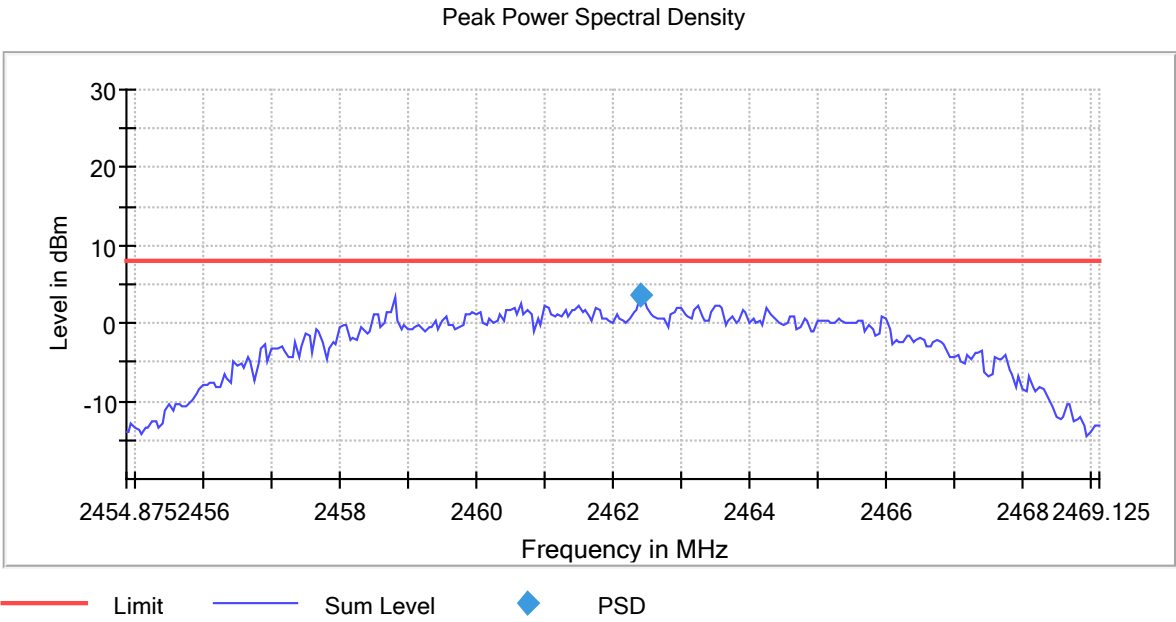
| Setting          | Instrument Value | Target Value |
|------------------|------------------|--------------|
| Measurement Time | 1.000 s          | 1.000 s      |
| Points           | 1000000          | 1000000      |
| Time resolution  | 1.000 µs         | 1.000 µs     |

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

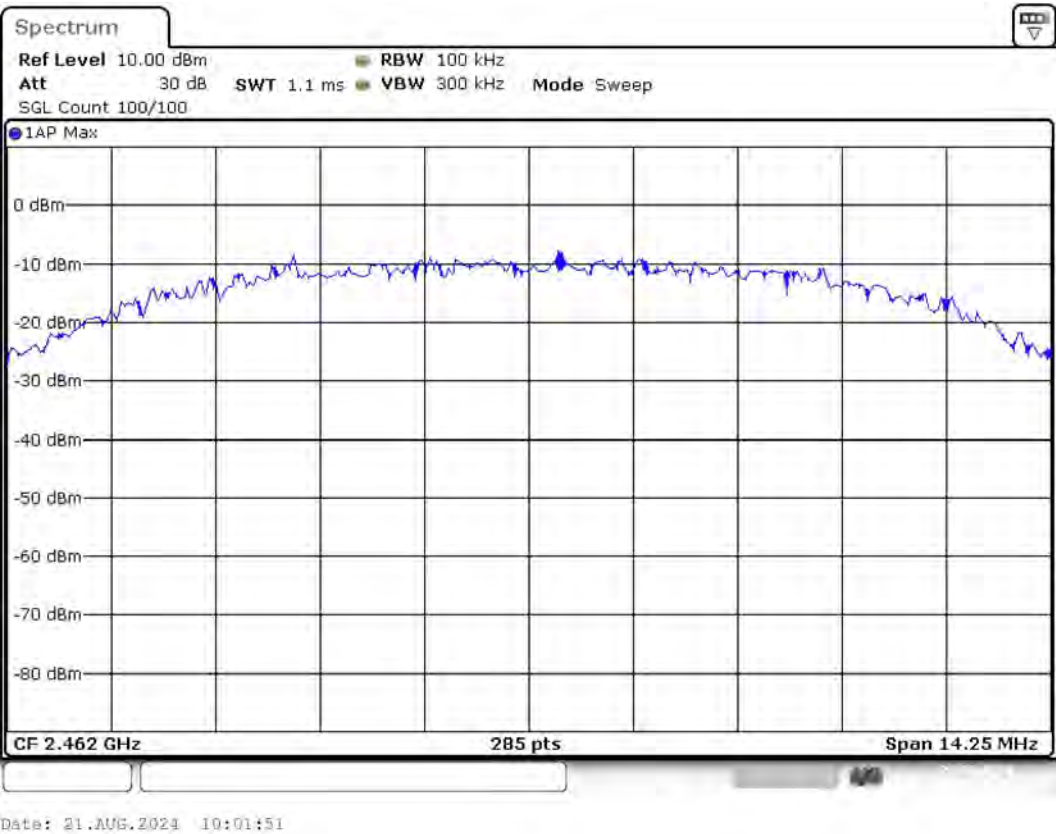
Customized settings.

Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2462.400000     | 3.583     | 8.0             | PASS   |



PSD Connector 1



Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.45488 GHz      | 2.45488 GHz    |
| Stop Frequency        | 2.46913 GHz      | 2.46913 GHz    |
| Span                  | 14.250 MHz       | 14.250 MHz     |
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 285              | ~ 285          |
| SweepTime             | 1.060 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 high (2462 MHz; 20.000 dBm; 20 MHz)****Result**

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

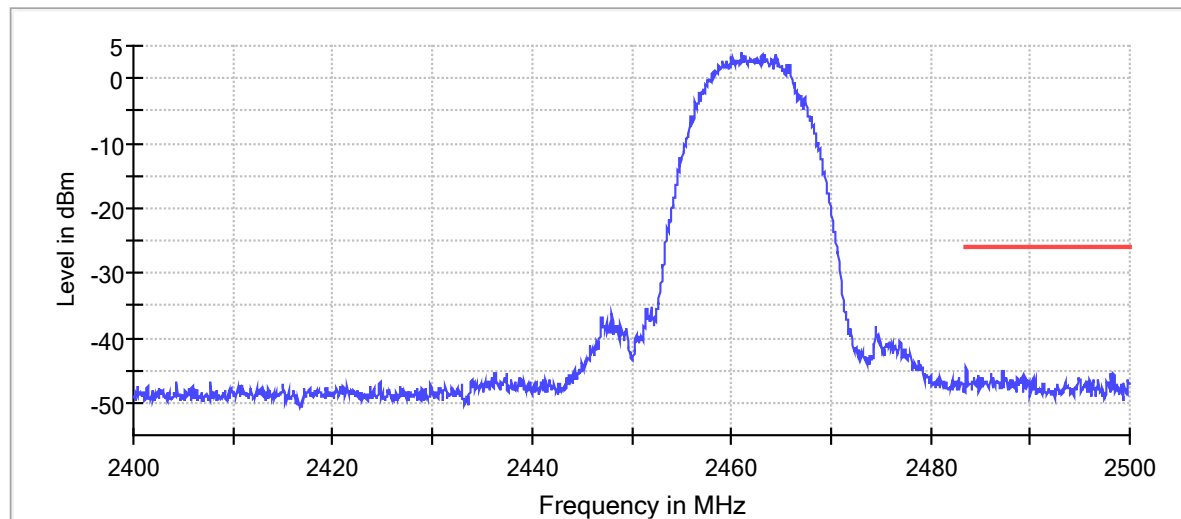
**Inband Peak**

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2460.975000     | 4.0         |

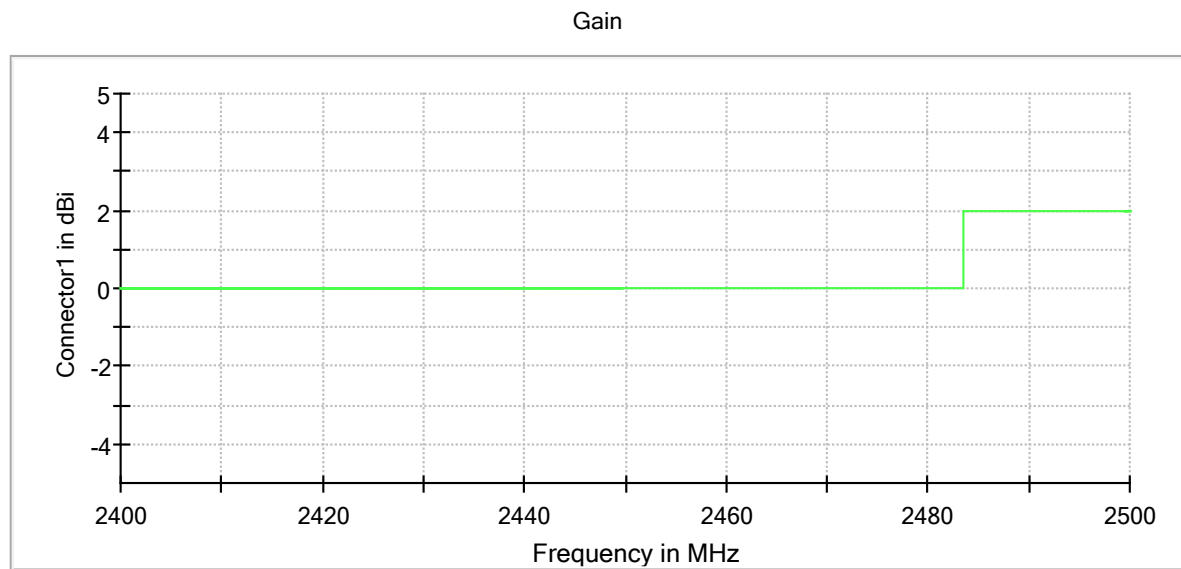
**Measurements**

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.575000     | -44.4       | 18.5        | -26.0       | PASS   |
| 2483.525000     | -44.8       | 18.8        | -26.0       | PASS   |
| 2483.625000     | -45.2       | 19.2        | -26.0       | PASS   |
| 2487.275000     | -45.2       | 19.2        | -26.0       | PASS   |
| 2487.225000     | -45.2       | 19.2        | -26.0       | PASS   |
| 2498.125000     | -45.5       | 19.5        | -26.0       | PASS   |
| 2498.375000     | -45.5       | 19.5        | -26.0       | PASS   |
| 2486.025000     | -45.5       | 19.5        | -26.0       | PASS   |
| 2489.225000     | -45.8       | 19.8        | -26.0       | PASS   |
| 2498.325000     | -45.9       | 19.9        | -26.0       | PASS   |
| 2484.775000     | -45.9       | 19.9        | -26.0       | PASS   |
| 2498.425000     | -45.9       | 19.9        | -26.0       | PASS   |
| 2485.225000     | -46.0       | 20.0        | -26.0       | PASS   |
| 2490.275000     | -46.0       | 20.0        | -26.0       | PASS   |
| 2486.075000     | -46.0       | 20.0        | -26.0       | PASS   |

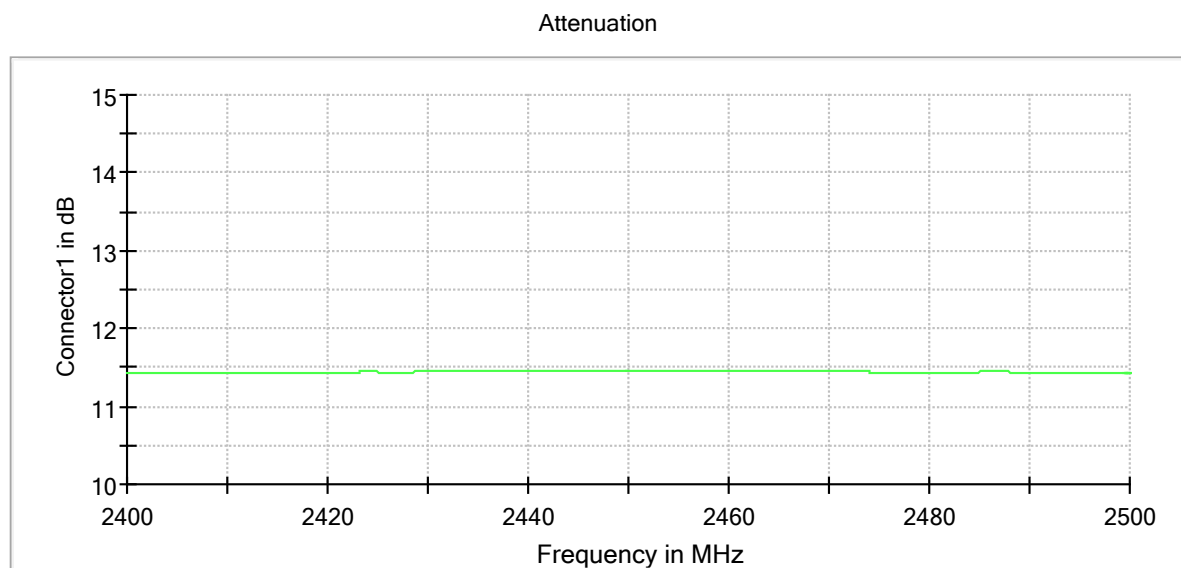
Band Edge



— Limit — Sum Level × Fail

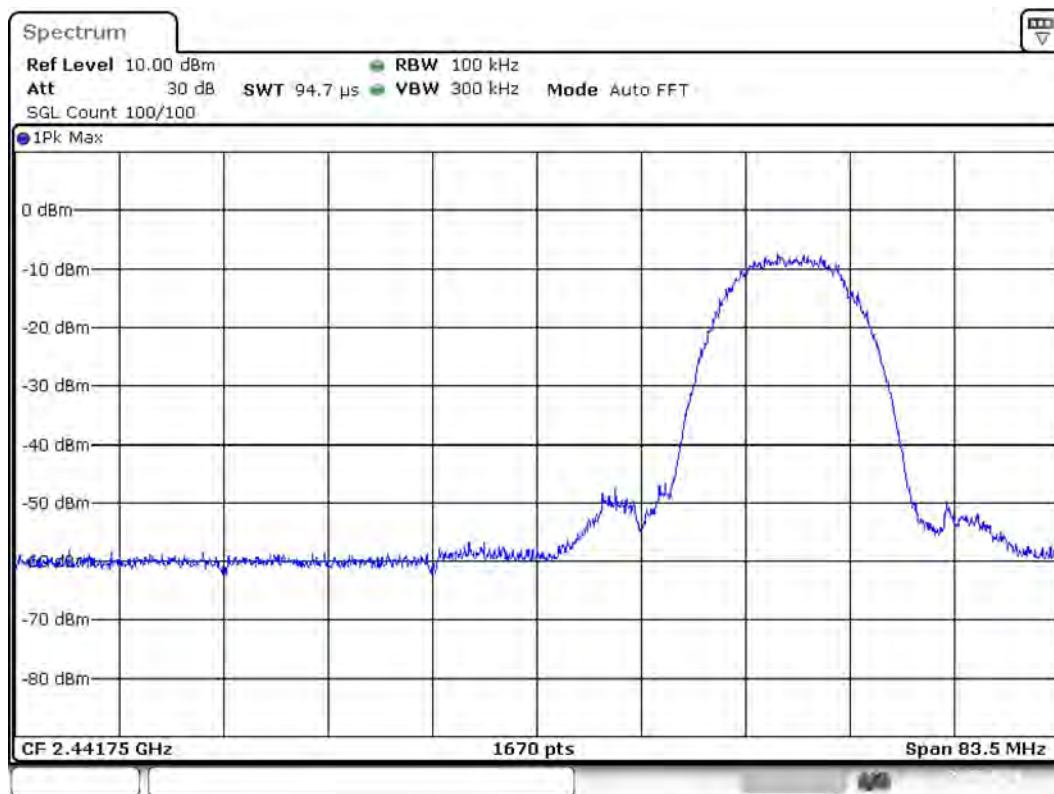


Connector1



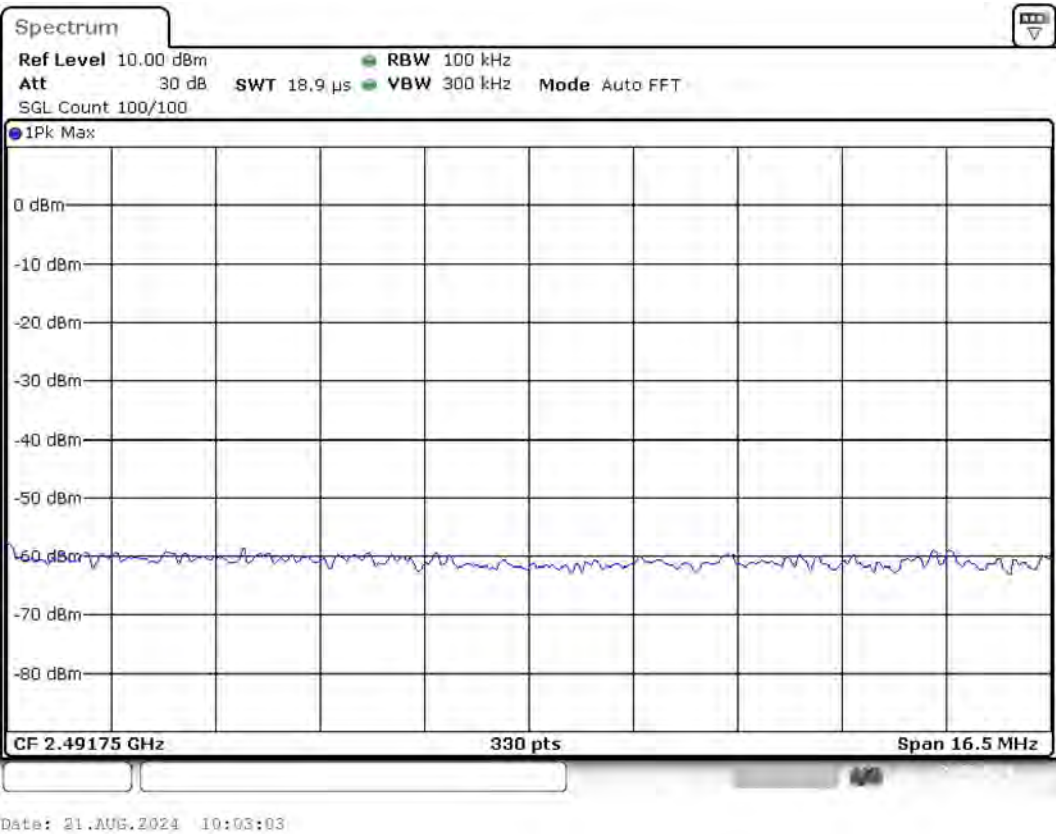
Connector1

Band Edge Connector 1\_0



Date: 21.AUG.2024 10:02:54

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                   | 46 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.37 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                   | 4 / max. 150   | max. 150   |
| Stable                | 3 / 3          | 3          |
| Max Stable Difference | 0.00 dB        | 0.50 dB    |

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

Customized settings.

**Result**

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

**Final measurements**

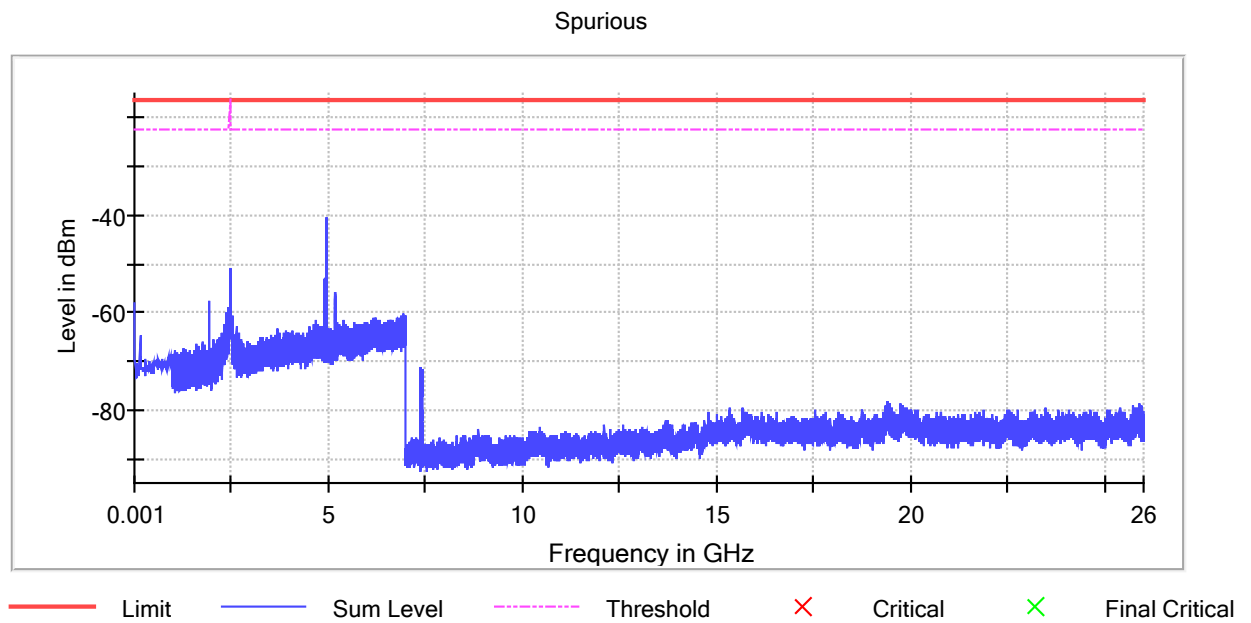
| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---   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

**Pre Measurements**

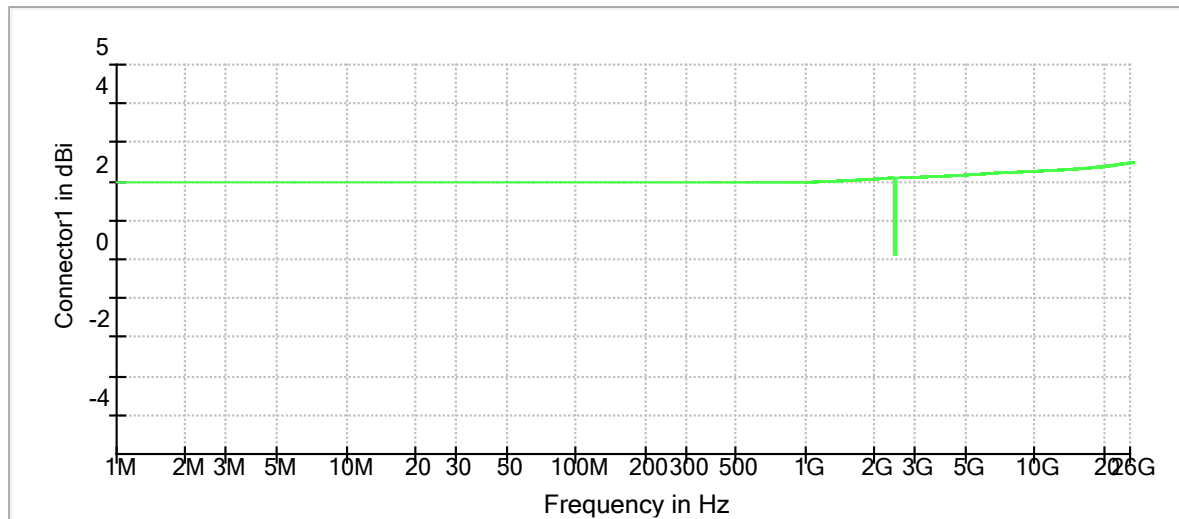
| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4923.956853     | -40.7       | 24.3        | -16.4       |
| 4924.097989     | -41.3       | 24.9        | -16.4       |
| 4924.521398     | -50.0       | 33.6        | -16.4       |
| 4924.662534     | -50.2       | 33.8        | -16.4       |
| 4924.380262     | -50.9       | 34.5        | -16.4       |
| 2488.086927     | -51.0       | 34.6        | -16.4       |
| 2483.570568     | -51.0       | 34.6        | -16.4       |
| 4923.110036     | -51.9       | 35.5        | -16.4       |
| 4927.061850     | -51.9       | 35.5        | -16.4       |
| 4922.545491     | -52.0       | 35.6        | -16.4       |
| 2487.522382     | -52.1       | 35.7        | -16.4       |
| 4926.779577     | -52.2       | 35.8        | -16.4       |
| 4921.557537     | -52.3       | 35.9        | -16.4       |
| 4920.851856     | -52.3       | 35.9        | -16.4       |
| 2485.969884     | -52.4       | 36.0        | -16.4       |

**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                 |

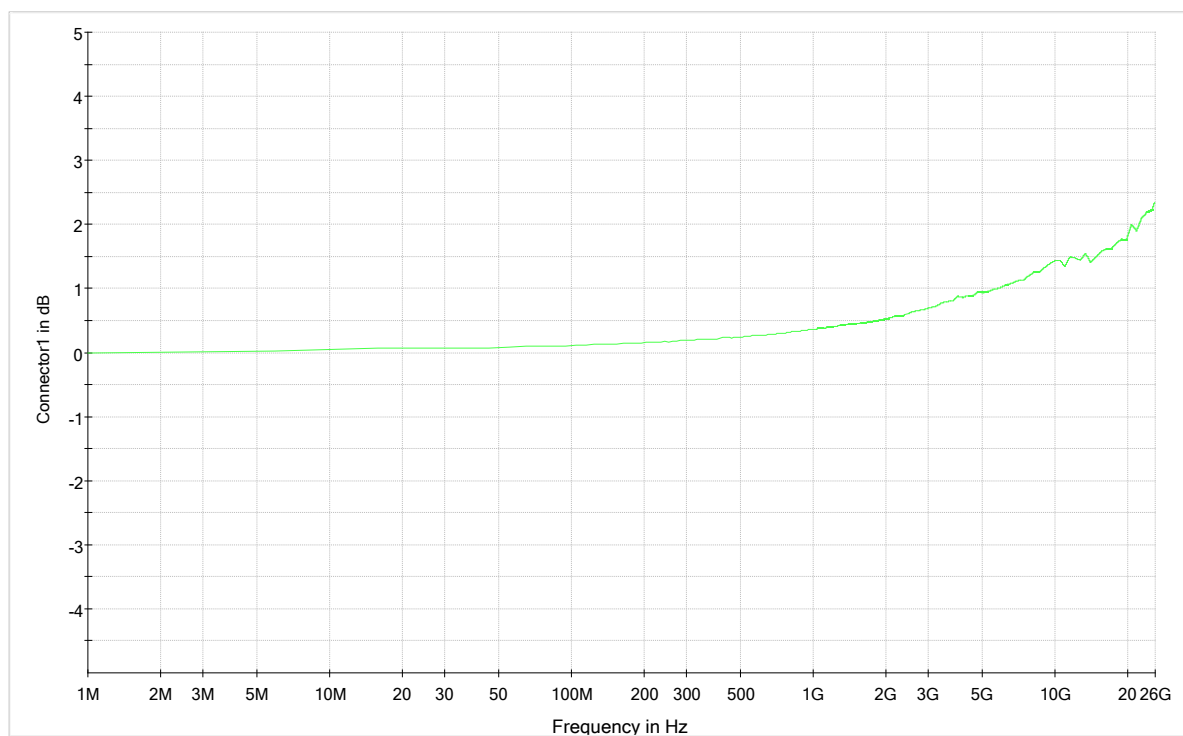


Gain



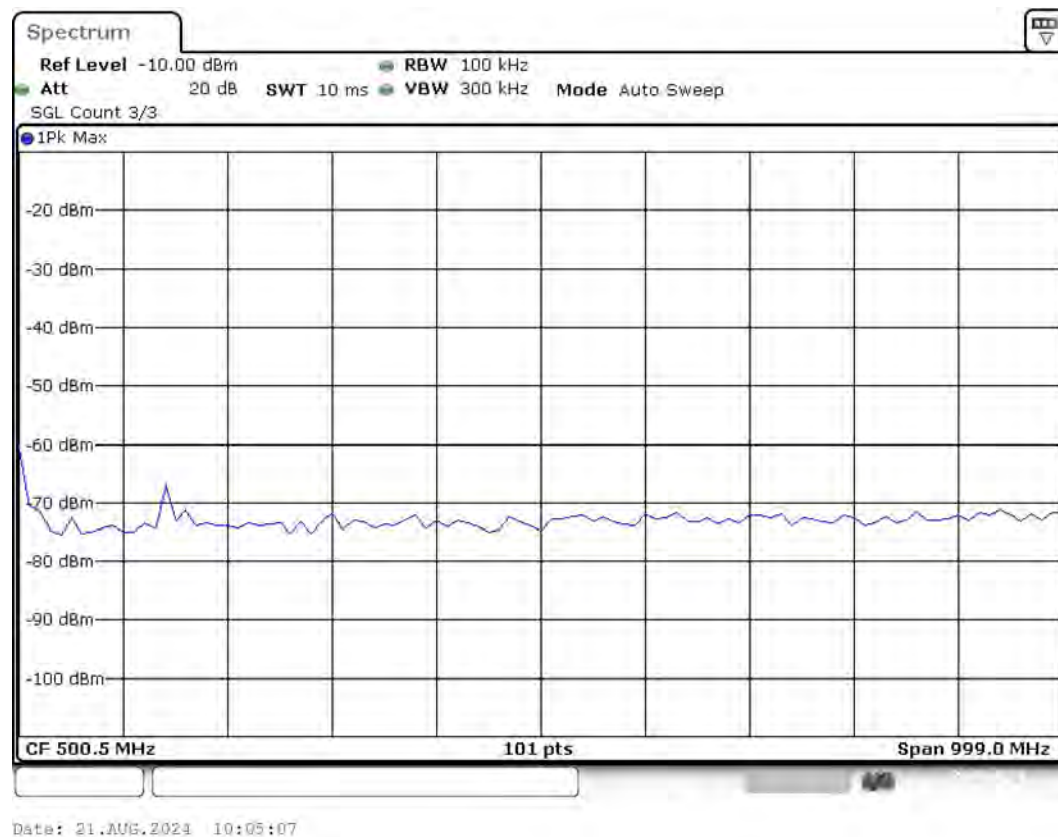
Connector1

Attenuation

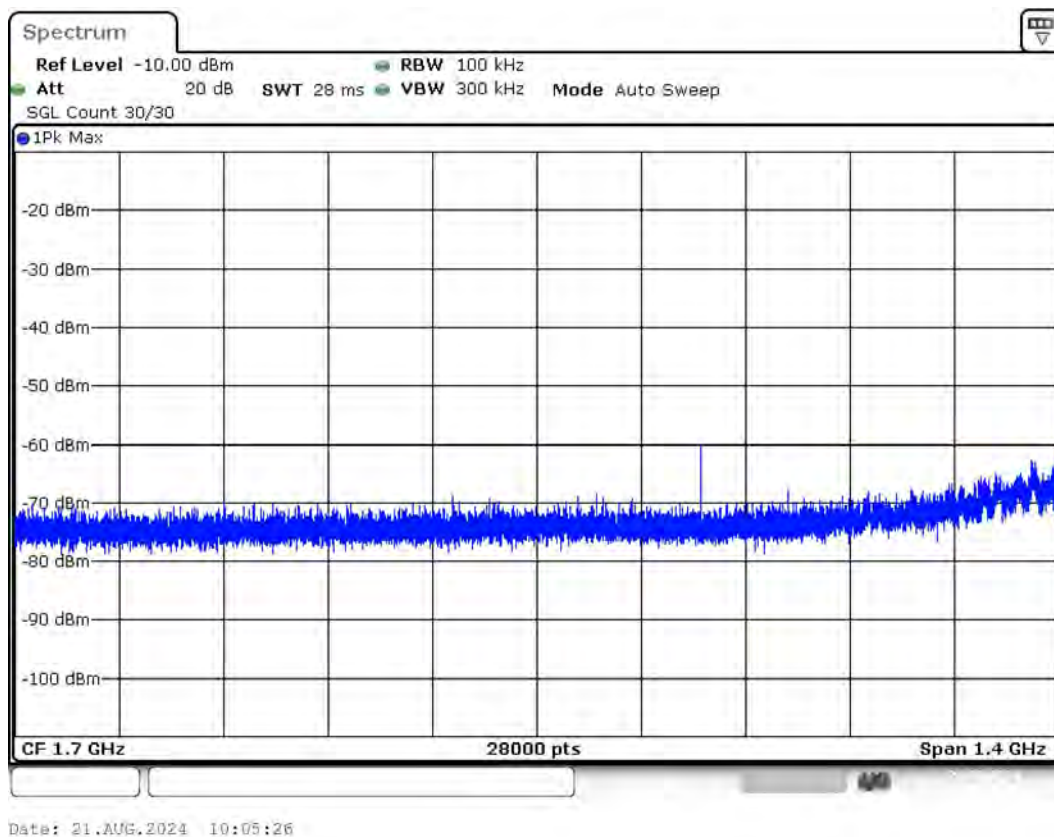


Connector1

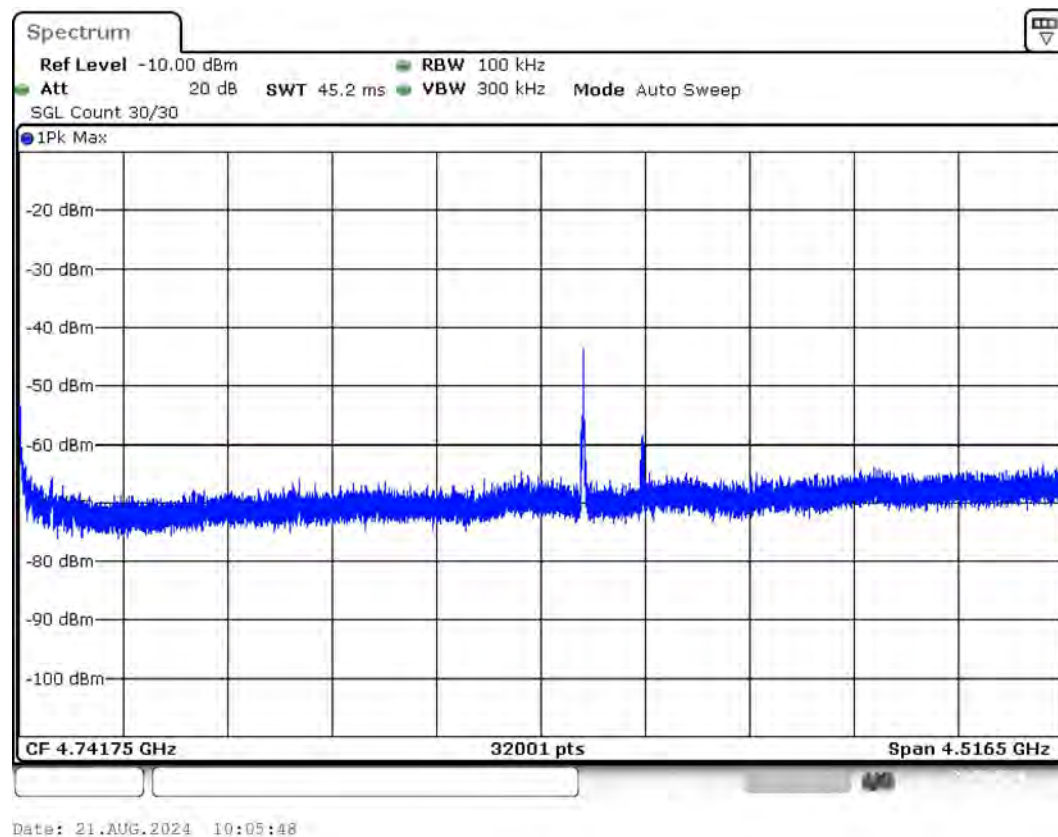
Spurious Connector 1\_0



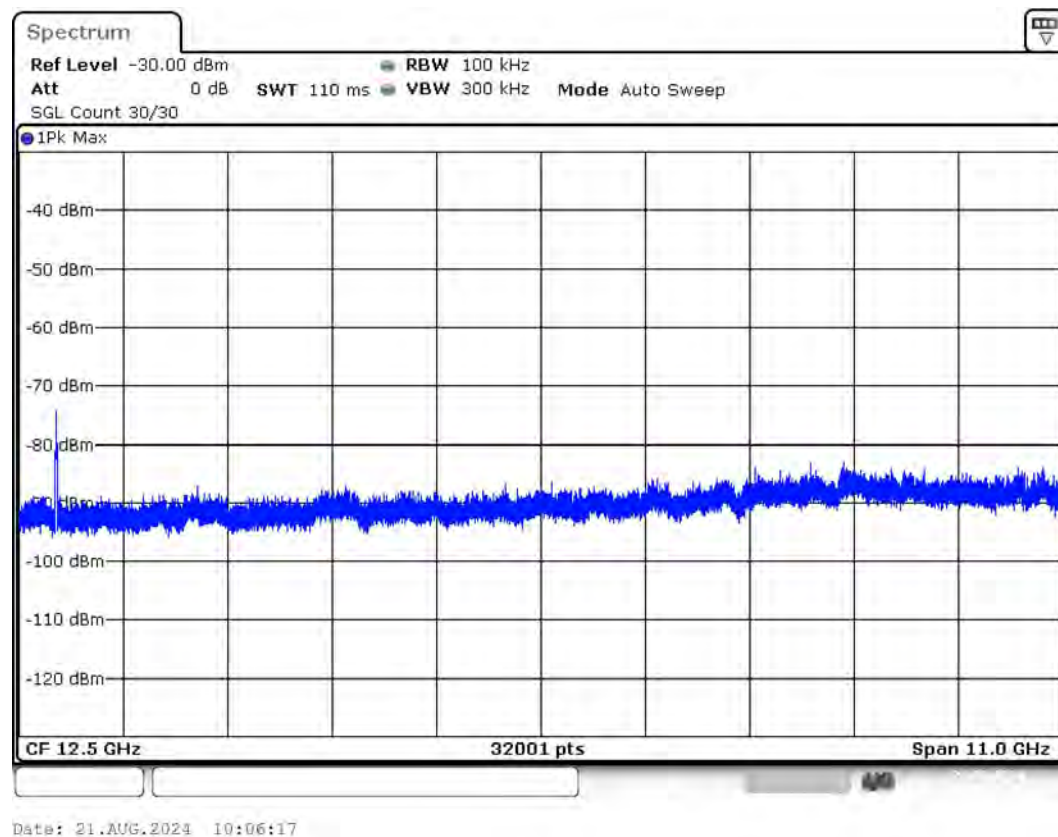
Spurious Connector 1\_1



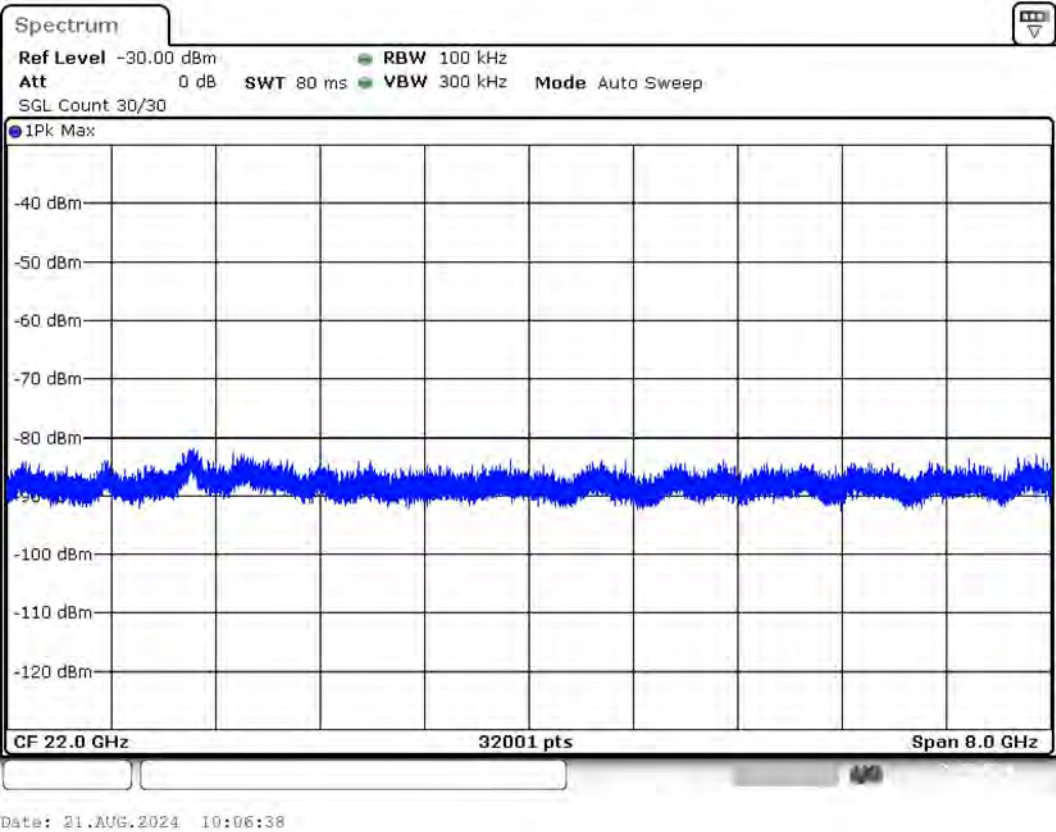
Spurious Connector 1\_2



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           | 101              | ~ 101          |
| SweepTime             | 9.990 ms         | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| 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     | 28000            | ~ 28000        |
| SweepTime       | 28.000 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -30.000 dBm    |
| Attenuation     | 20.000 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>  |