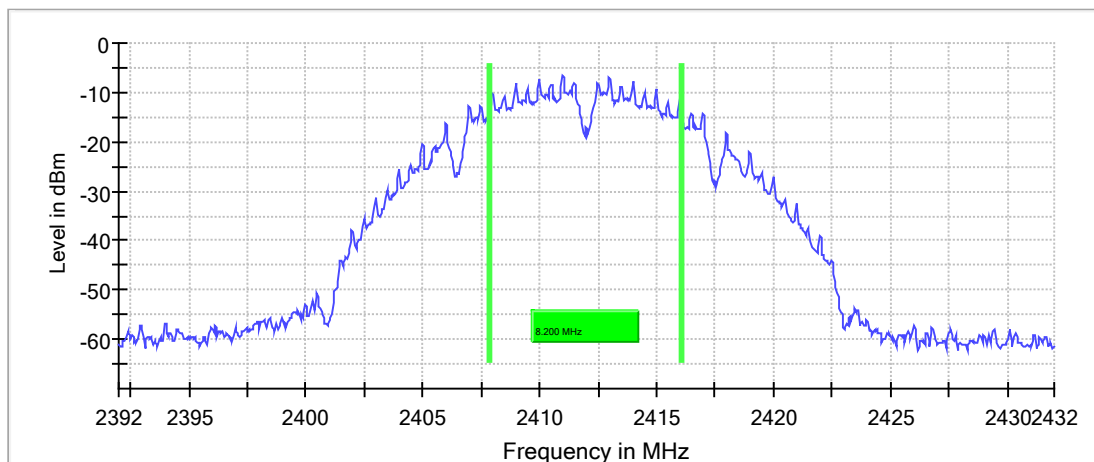
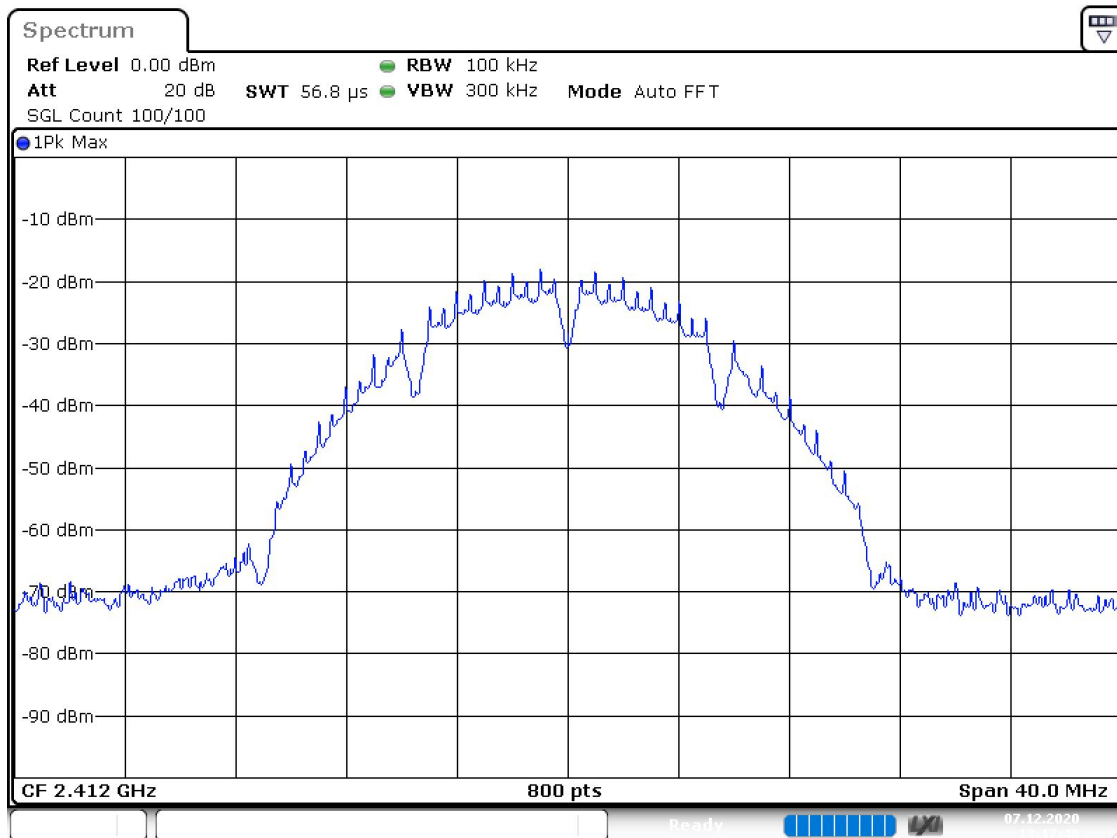


## Summary

|                                 | Frequency (MHz)  | Nominal Power (dBm) | Nominal Bandwidth (MHz) | Result               |                       |
|---------------------------------|------------------|---------------------|-------------------------|----------------------|-----------------------|
| RF output power                 | 2412.000         | 24.0                | 20.000000               | PASS                 |                       |
| Minimum Emission Bandwidth 6 dB | 2412.000         | 24.0                | 20.000000               | PASS                 |                       |
| Power Spectral Density          | 2412.000         | 24.0                | 20.000000               | PASS                 |                       |
| Occupied Channel Bandwidth 99%  | 2412.000         | 24.0                | 20.000000               | PASS                 |                       |
| Tx Spurious Emission            | 2412.000         | 24.0                | 20.000000               | PASS                 |                       |
| Minimum Emission Bandwidth 6 dB | 2437.000         | 24.0                | 20.000000               | PASS                 |                       |
| Occupied Channel Bandwidth 99%  | 2437.000         | 24.0                | 20.000000               | PASS                 |                       |
| Tx Spurious Emission            | 2437.000         | 24.0                | 20.000000               | PASS                 |                       |
| Minimum Emission Bandwidth 6 dB | 2462.000         | 24.0                | 20.000000               | PASS                 |                       |
| Occupied Channel Bandwidth 99%  | 2462.000         | 24.0                | 20.000000               | PASS                 |                       |
| Tx Spurious Emission            | 2462.000         | 24.0                | 20.000000               | PASS                 |                       |
|                                 |                  |                     |                         |                      |                       |
|                                 | Gated RMS (dBm)  | Limit Max (dBm)     | Gated EIRP (dBm)        | DutyCycle (%)        | Result                |
| 2412.000000                     | 8.7              | 30.0                | 13.4                    | 98.008               | PASS                  |
|                                 | Instrument Value | Target Value        |                         |                      |                       |
| Measurement Time                | 1.000 s          | 1.000 s             |                         |                      |                       |
| Points                          | 1000000          | 1000000             |                         |                      |                       |
| Time resolution                 | 1.000 s          | 1.000 s             |                         |                      |                       |
|                                 | Bandwidth (MHz)  | Limit Min (MHz)     | Limit Max (MHz)         | Band Edge Left (MHz) | Band Edge Right (MHz) |
| <b>Minimum</b>                  |                  |                     |                         |                      |                       |
| 2412.000000                     | 8.200000         | 0.500000            | ---                     | 2407.875000          | 2416.075000           |
|                                 | Max Level (dBm)  | Result              |                         |                      |                       |
| 2412.000000                     | -6.6             | PASS                |                         |                      |                       |

6 dB Bandwidth





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## Measurement

|                 | 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 | 0.000 dBm        | 0.000 dBm     |
| Attenuation     | 20.000 dB        | AUTO          |
| Detector        | MaxPeak          | MaxPeak       |
| SweepCount      | 100              | 100           |
| Filter          | 3 dB             | 3 dB          |
| Trace Mode      | Max Hold         | Max Hold      |
| Sweeptype       | FFT              | AUTO          |
| Preamp          | off              | off           |

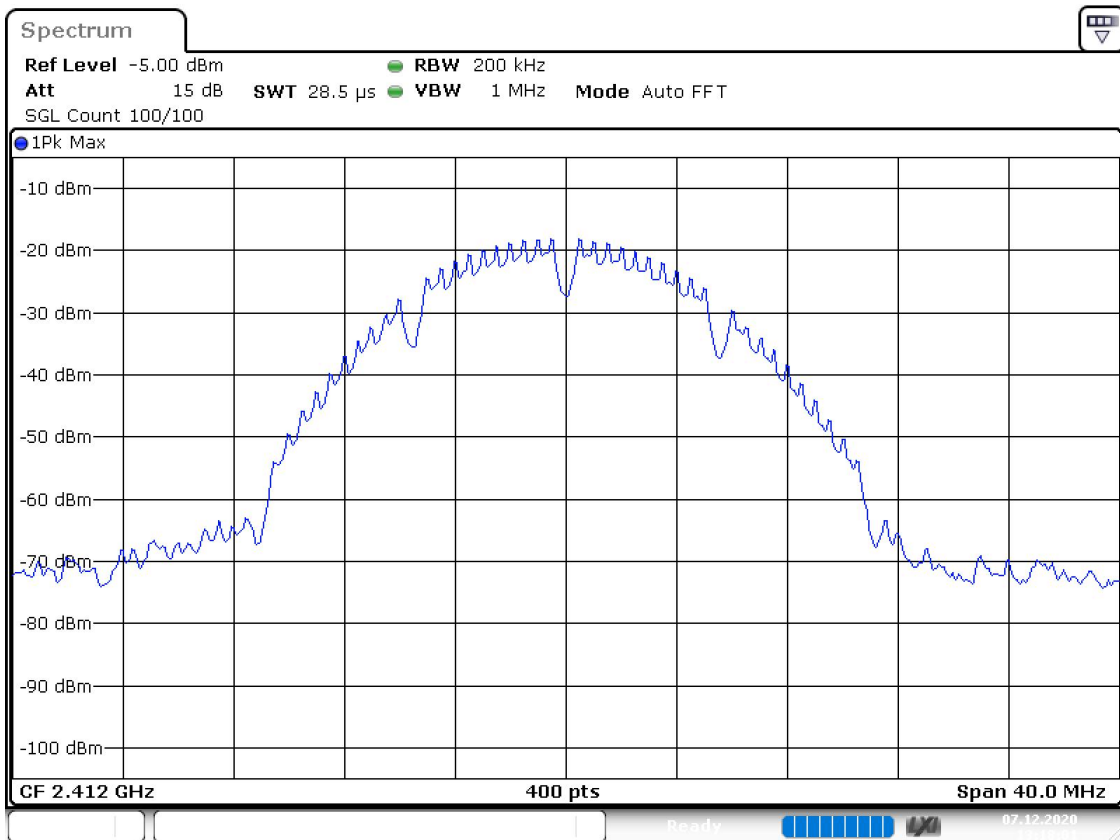
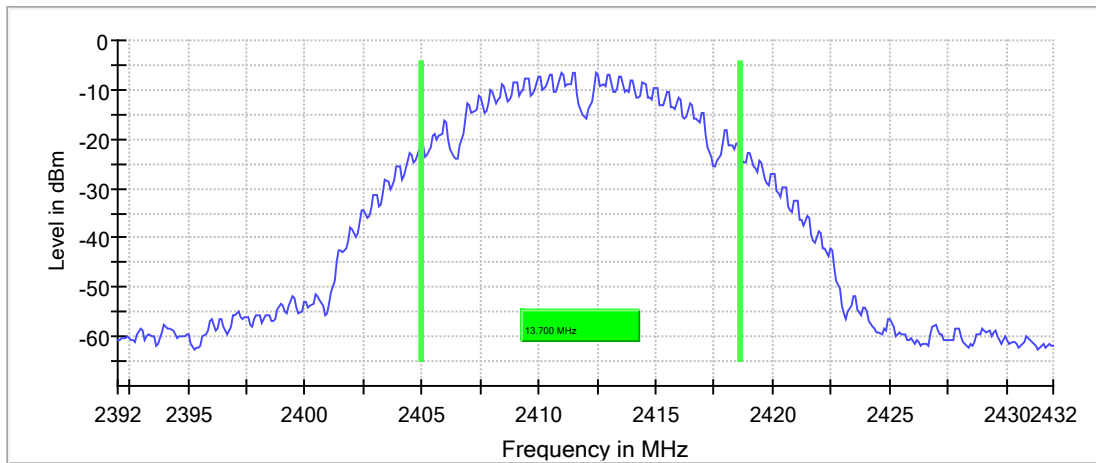
| Power Spectral |      | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|----------------|------|-----------------|-----------|-----------------|--------|
| 2412.000000    |      | 2412.675000     | -10.371   | 8.0             | PASS   |
| State          |      |                 |           |                 |        |
| 1              | used |                 |           |                 |        |
| 2              | used |                 |           |                 |        |

|                 | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39700 GHz      | 2.39700 GHz    |
| Stop Frequency  | 2.42700 GHz      | 2.42700 GHz    |
| Span            | 30.000 MHz       | 30.000 MHz     |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 600              | ~ 600          |
| Sweeptime       | 1.040 ms         | AUTO           |
| Reference Level | 0.000 dBm        | 0.000 dBm      |

|                 |                        |                             |                              |
|-----------------|------------------------|-----------------------------|------------------------------|
| Attenuation     | 20.000 dB              | AUTO                        |                              |
| Detector        | RMS                    | RMS                         |                              |
| SweepCount      | 100                    | 100                         |                              |
| Filter          | 3 dB                   | 3 dB                        |                              |
| Trace Mode      | Average Power          | Average Power               |                              |
| Sweeptype       | Sweep                  | Sweep                       |                              |
| Preamp          | off                    | off                         |                              |
| <b>Occupied</b> | <b>Bandwidth (MHz)</b> | <b>Limit Min (MHz)</b>      | <b>Limit Max (MHz)</b>       |
| 2412.000000     | 13.700000              | --                          | --                           |
|                 |                        | <b>Band Edge Left (MHz)</b> | <b>Band Edge Right (MHz)</b> |
|                 |                        | 2404.950000                 | 2418.650000                  |
|                 |                        | <b>Result</b>               |                              |
| 2412.000000     | PASS                   |                             |                              |

99 % Bandwidth

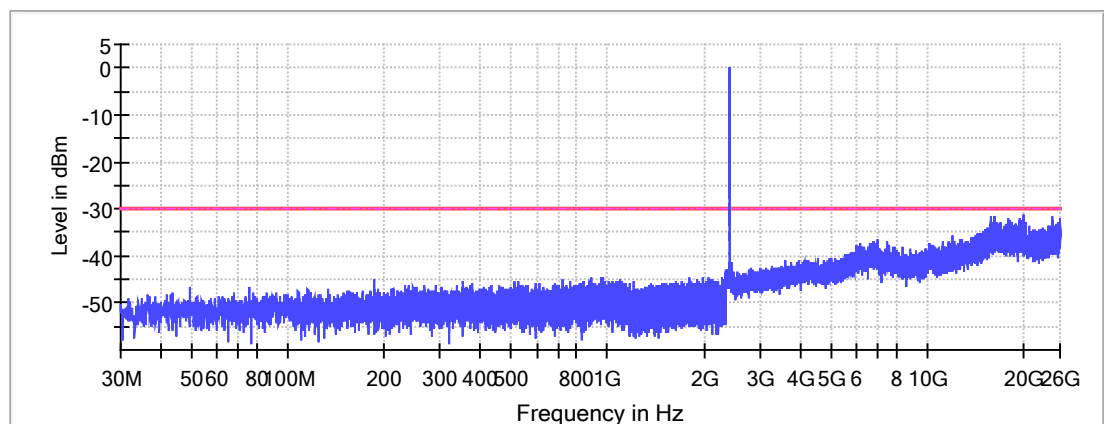


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# Measurement

|                  | 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 $\mu$ s              | AUTO            |                   |             |        |
| Reference Level  | -5.000 dBm                  | -5.000 dBm      |                   |             |        |
| Attenuation      | 15.000 dB                   | AUTO            |                   |             |        |
| Detector         | MaxPeak                     | MaxPeak         |                   |             |        |
| SweepCount       | 100                         | 100             |                   |             |        |
| Filter           | 3 dB                        | 3 dB            |                   |             |        |
| Trace Mode       | Max Hold                    | Max Hold        |                   |             |        |
| SweepType        | FFT                         | AUTO            |                   |             |        |
| Preamp           | off                         | off             |                   |             |        |
| <b>Result</b>    |                             |                 |                   |             |        |
| 2412.000000 PASS |                             |                 |                   |             |        |
| Final            | Level Pre Measurement (dBm) | level (dBm)     | Limit (dBm)       | Margin (dB) | Result |
| ---              | ---                         | ---             | ---               | ---         | ---    |
|                  | Level (dBm)                 | Margin (dB)     | Limit (dBm)       |             |        |
| 19884.063896     | -31.0                       | 1.3             | -29.8             |             |        |
| 16229.567021     | -31.4                       | 1.7             | -29.8             |             |        |
| 19865.692205     | -31.6                       | 1.8             | -29.8             |             |        |
| 15817.306264     | -31.7                       | 1.9             | -29.8             |             |        |
| 16140.648034     | -31.7                       | 1.9             | -29.8             |             |        |
| 16219.278874     | -31.7                       | 2.0             | -29.8             |             |        |
| 24728.311514     | -31.7                       | 2.0             | -29.8             |             |        |
| 25874.705064     | -31.8                       | 2.0             | -29.8             |             |        |
| 17873.465978     | -31.9                       | 2.2             | -29.8             |             |        |
| 19917.132941     | -32.0                       | 2.2             | -29.8             |             |        |
| 17886.693596     | -32.1                       | 2.3             | -29.8             |             |        |
| 19543.820170     | -32.1                       | 2.4             | -29.8             |             |        |
| 16156.080255     | -32.2                       | 2.4             | -29.8             |             |        |
| 19945.057912     | -32.2                       | 2.4             | -29.8             |             |        |
| 19879.654690     | -32.2                       | 2.5             | -29.8             |             |        |
|                  | Stop Frequency (MHz)        | Pre Measurement | Final Measurement |             |        |
| 30.000000        | 2350.000000                 | 1               | 1                 |             |        |
| 2350.000000      | 2483.500000                 | 2               | 1                 |             |        |
| 2483.500000      | 26000.000000                | 1               | 1                 |             |        |

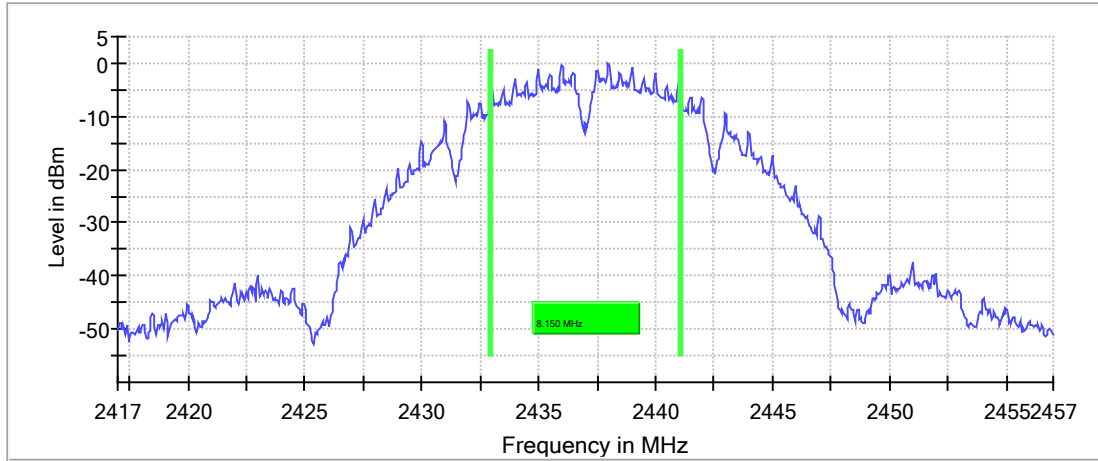
Spurious

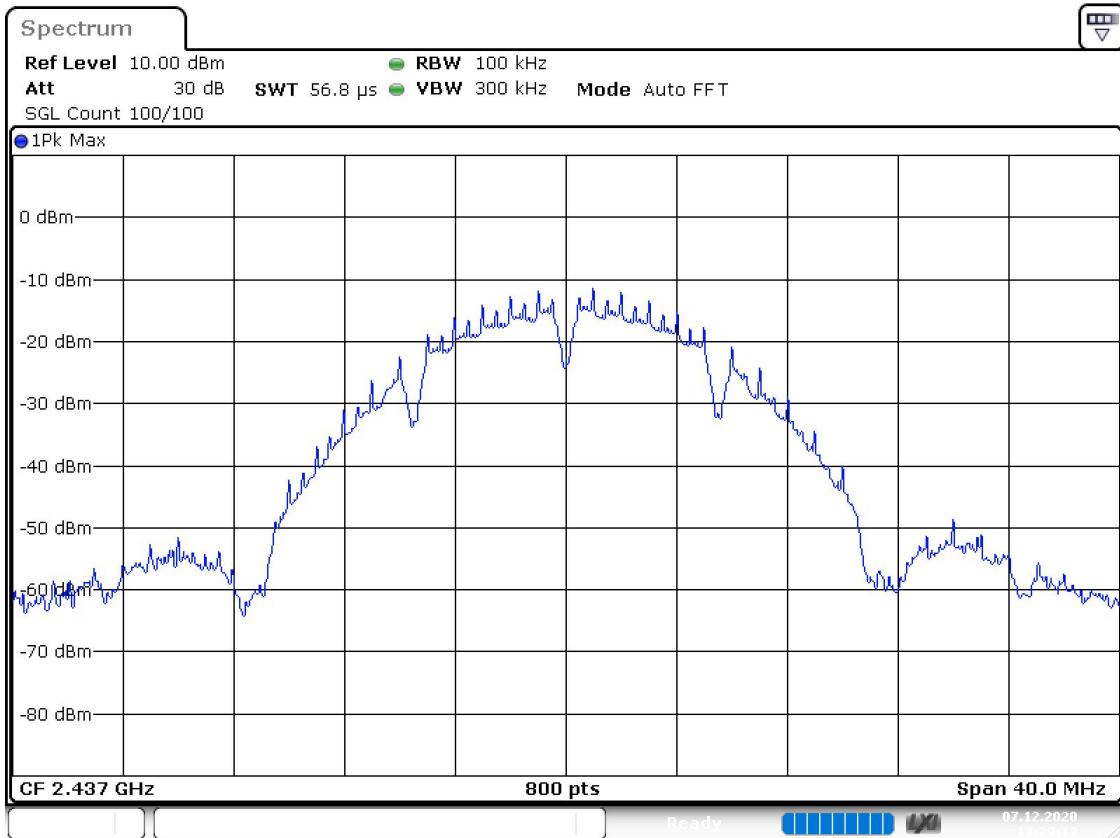


— Limit    - - - - Threshold    — Sum Level    × Critical    × Final Critical

|                 |                 | Instrument Value | Target Value    |                      |                       |
|-----------------|-----------------|------------------|-----------------|----------------------|-----------------------|
| RBW             |                 | 100.000 kHz      | <= 100.000 kHz  |                      |                       |
| VBW             |                 | 300.000 kHz      | >= 300.000 kHz  |                      |                       |
| SweepPoints     |                 | 32001            | ~ 46400         |                      |                       |
| SweepTime       |                 | 32.100 ms        | AUTO            |                      |                       |
| Reference Level |                 | 20.000 dBm       | 20.000 dBm      |                      |                       |
| Attenuation     |                 | 40.000 dB        | 40.000 dB       |                      |                       |
| Detector        |                 | MaxPeak          | MaxPeak         |                      |                       |
| SweepCount      |                 | 3                | 3               |                      |                       |
| Filter          |                 | 3 dB             | 3 dB            |                      |                       |
| Trace Mode      |                 | Max Hold         | Max Hold        |                      |                       |
| SweepType       |                 | Sweep            | AUTO            |                      |                       |
| Preamp          |                 | off              | off             |                      |                       |
|                 |                 | Instrument Value | Target Value    |                      |                       |
| RBW             |                 | 100.000 kHz      | <= 100.000 kHz  |                      |                       |
| VBW             |                 | 300.000 kHz      | >= 300.000 kHz  |                      |                       |
| SweepPoints     |                 | 2670             | ~ 2670          |                      |                       |
| SweepTime       |                 | 151.563 $\mu$ s  | AUTO            |                      |                       |
| Reference Level |                 | 20.000 dBm       | 20.000 dBm      |                      |                       |
| Attenuation     |                 | 40.000 dB        | 40.000 dB       |                      |                       |
| Detector        |                 | MaxPeak          | MaxPeak         |                      |                       |
| SweepCount      |                 | 300              | 300             |                      |                       |
| Filter          |                 | 3 dB             | 3 dB            |                      |                       |
| Trace Mode      |                 | Max Hold         | Max Hold        |                      |                       |
| SweepType       |                 | FFT              | AUTO            |                      |                       |
| Preamp          |                 | off              | off             |                      |                       |
| Minimum         | Bandwidth (MHz) | Limit Min (MHz)  | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
| 2437.000000     | 8.150000        | 0.500000         | ---             | 2432.925000          | 2441.075000           |
|                 | Max Level (dBm) | Result           |                 |                      |                       |
| 2437.000000     | 0.1             | PASS             |                 |                      |                       |

6 dB Bandwidth





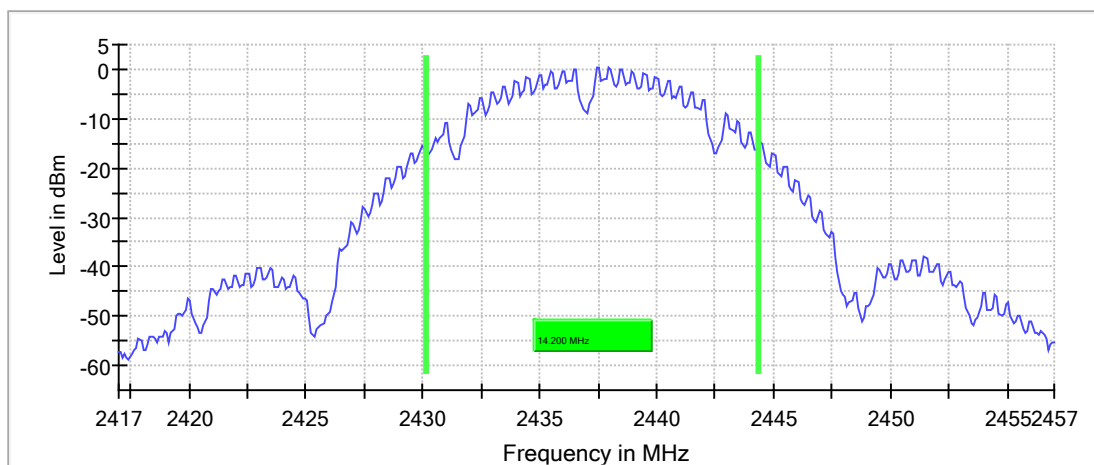
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**Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)**

**99 % Bandwidth**

|           | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz)      |
|-----------|-----------------|-----------------|-----------------|----------------------|----------------------------|
| Bandwidth | 2437.000000     | 14.200000       | ---             | ---                  | 2430.150000    2444.350000 |
| Result    |                 |                 |                 |                      |                            |
|           | 2437.000000     | PASS            |                 |                      |                            |

99 % Bandwidth

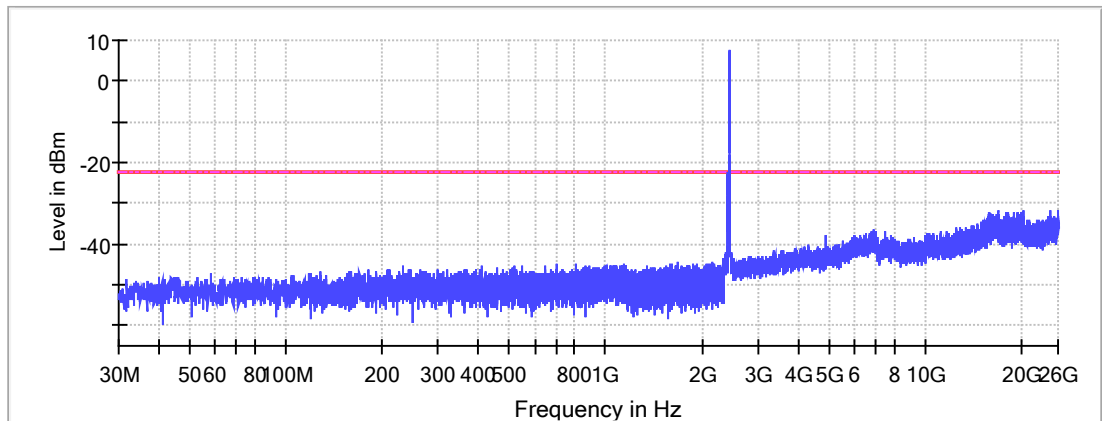


# Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

## Result

|              |                             |                 |                   |             | Result |  |
|--------------|-----------------------------|-----------------|-------------------|-------------|--------|--|
| 2437.000000  |                             |                 |                   |             | PASS   |  |
| Final        | Level Pre Measurement (dBm) | level (dBm)     | Limit (dBm)       | Margin (dB) | Result |  |
| ---          | ---                         | ---             | ---               | ---         | ---    |  |
|              | Level (dBm)                 | Margin (dB)     | Limit (dBm)       |             |        |  |
| 20262.520742 | -31.8                       | 9.3             | -22.5             |             |        |  |
| 25984.935213 | -31.8                       | 9.3             | -22.5             |             |        |  |
| 24514.465025 | -31.8                       | 9.4             | -22.5             |             |        |  |
| 16816.726282 | -31.9                       | 9.4             | -22.5             |             |        |  |
| 15851.110176 | -32.0                       | 9.5             | -22.5             |             |        |  |
| 19895.086911 | -32.1                       | 9.7             | -22.5             |             |        |  |
| 19912.723735 | -32.2                       | 9.7             | -22.5             |             |        |  |
| 19539.410964 | -32.2                       | 9.7             | -22.5             |             |        |  |
| 18861.862981 | -32.2                       | 9.7             | -22.5             |             |        |  |
| 19888.473102 | -32.3                       | 9.8             | -22.5             |             |        |  |
| 19870.836279 | -32.3                       | 9.8             | -22.5             |             |        |  |
| 17888.898198 | -32.4                       | 9.9             | -22.5             |             |        |  |
| 19547.494508 | -32.4                       | 9.9             | -22.5             |             |        |  |
| 18195.338013 | -32.4                       | 9.9             | -22.5             |             |        |  |
| 19900.965853 | -32.4                       | 10.0            | -22.5             |             |        |  |
|              | Stop Frequency (MHz)        | Pre Measurement | Final Measurement |             |        |  |
| 30.000000    | 2350.000000                 | 1               | 1                 |             |        |  |
| 2350.000000  | 2483.500000                 | 2               | 1                 |             |        |  |
| 2483.500000  | 26000.000000                | 1               | 1                 |             |        |  |

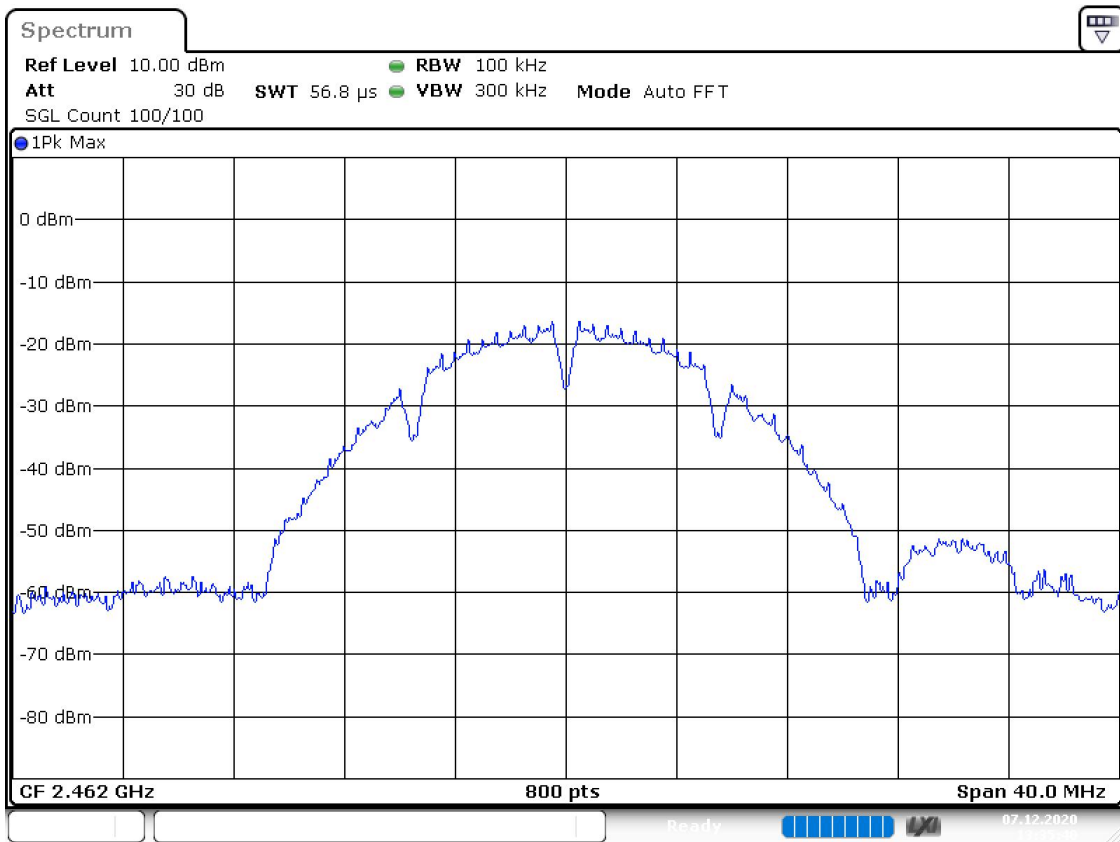
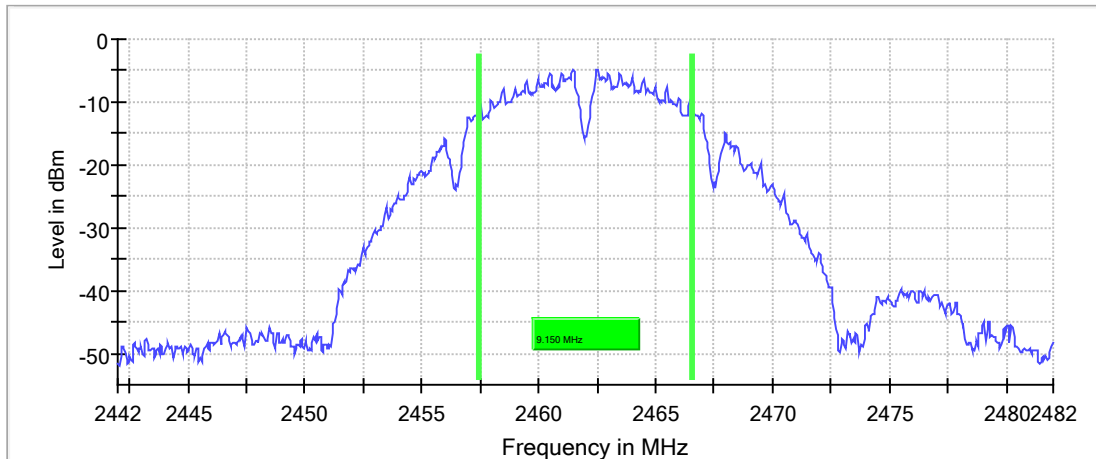
Spurious



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

| Minimum     | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|-------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 9.150000        | 0.500000        | ---             | 2457.425000          | 2466.575000           |
|             | Max Level (dBm) | Result          |                 |                      |                       |
| 2462.000000 | -4.8            | PASS            |                 |                      |                       |

6 dB Bandwidth



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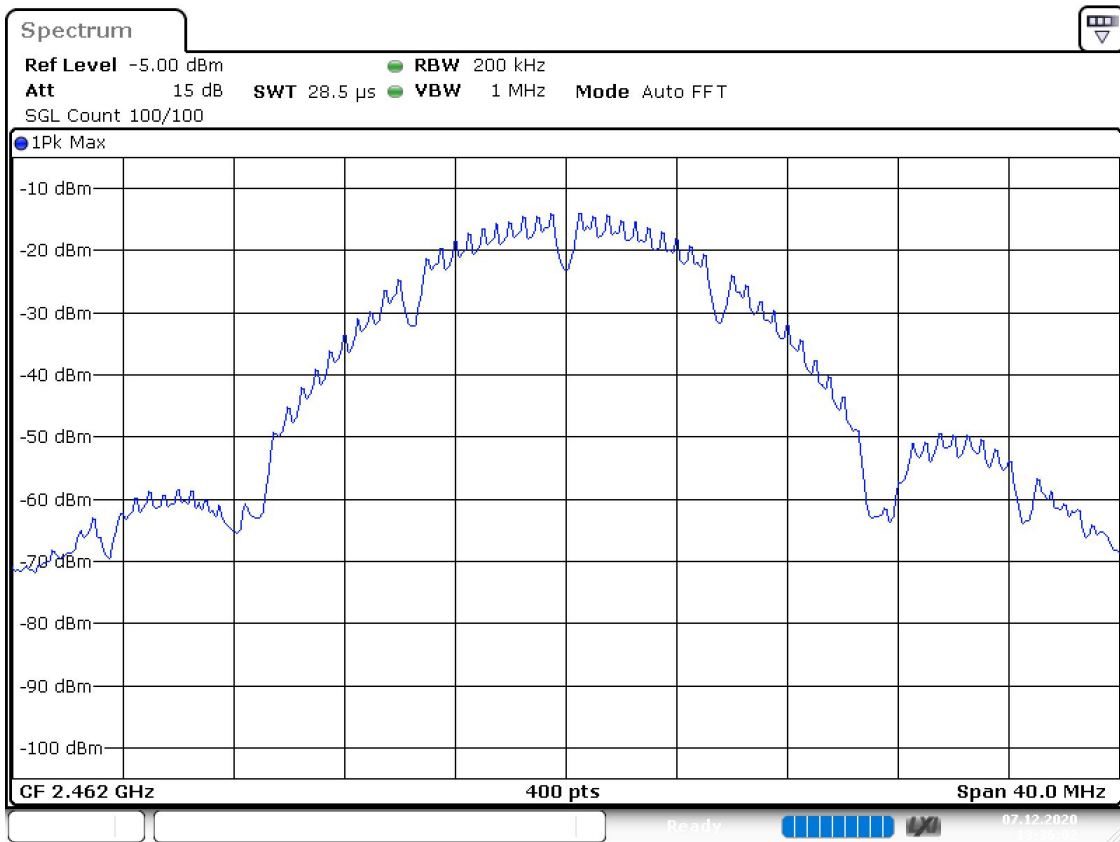
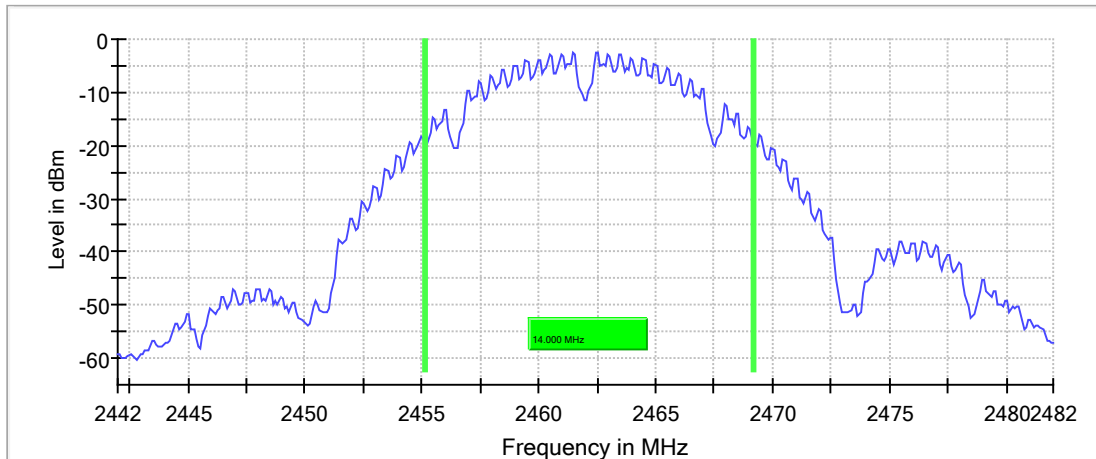
Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

### 99 % Bandwidth

|           | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|-----------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| Bandwidth | 2462.000000     | ---             | ---             | 2455.150000          | 2469.150000           |
|           | Result          |                 |                 |                      |                       |
|           | 2462.000000     | PASS            |                 |                      |                       |



99 % Bandwidth



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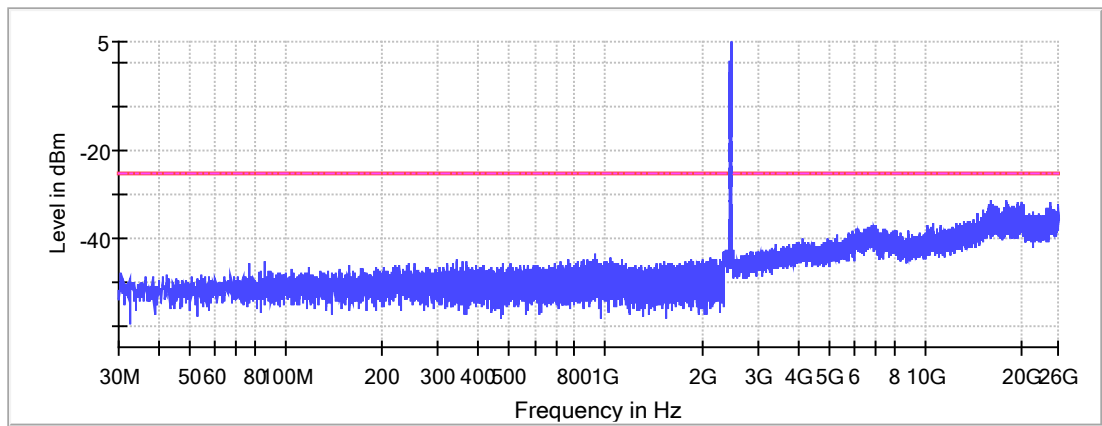
## Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

### Result

|             |                             |             |             |             | Result |
|-------------|-----------------------------|-------------|-------------|-------------|--------|
| 2462.000000 |                             |             |             |             | PASS   |
| Final       | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|             | --                          | ---         | ---         | --          | --     |
|             | Level (dBm)                 | Margin (dB) | Limit (dBm) |             |        |
|             | 15917.248266                | -31.4       | 6.4         | -25.0       |        |
|             | 17884.488993                | -31.5       | 6.5         | -25.0       |        |

| 17902.125816         | -31.5        | 6.5             | -25.0             |
|----------------------|--------------|-----------------|-------------------|
| 19568.070802         | -31.5        | 6.5             | -25.0             |
| 24656.294483         | -31.6        | 6.5             | -25.0             |
| 17876.405448         | -31.8        | 6.7             | -25.0             |
| 19950.936854         | -31.8        | 6.8             | -25.0             |
| 17832.313389         | -31.8        | 6.8             | -25.0             |
| 17903.595552         | -32.1        | 7.1             | -25.0             |
| 19898.026382         | -32.1        | 7.1             | -25.0             |
| 18229.876793         | -32.1        | 7.1             | -25.0             |
| 18254.127426         | -32.1        | 7.1             | -25.0             |
| 19964.899339         | -32.2        | 7.2             | -25.0             |
| 20189.033976         | -32.2        | 7.2             | -25.0             |
| 19526.918213         | -32.2        | 7.2             | -25.0             |
| Stop Frequency (MHz) |              | Pre Measurement | Final Measurement |
| 30.000000            | 2350.000000  | 1               | 1                 |
| 2350.000000          | 2483.500000  | 2               | 1                 |
| 2483.500000          | 26000.000000 | 1               | 1                 |

Spurious



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