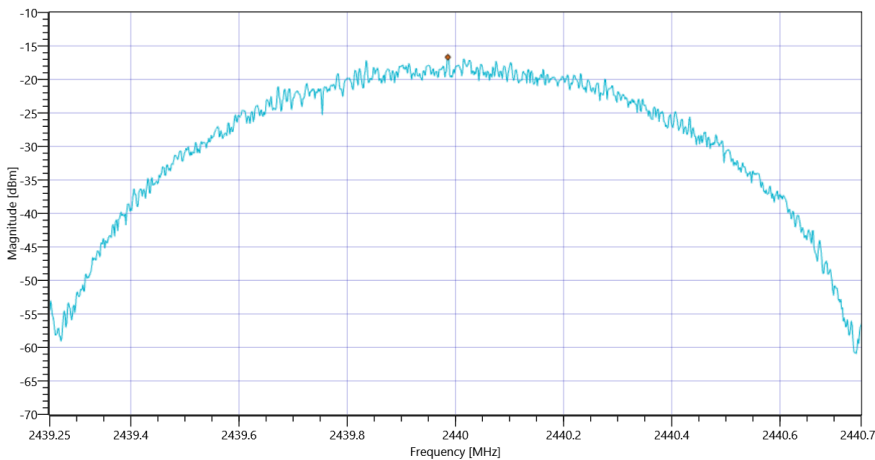


Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.55   10.6   10       |
| Start [MHz]   Stop [MHz]                             | 2439.250   2440.750    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -16.67   | dBm/3KHz | PASS    |

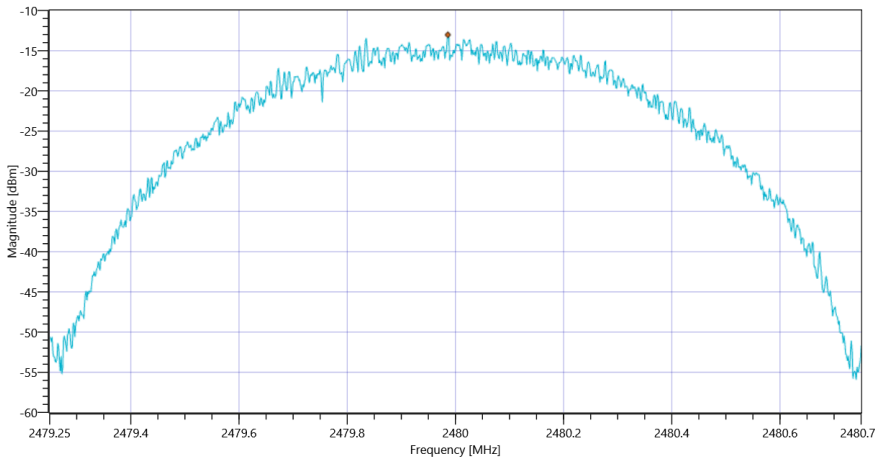


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps\_16082021\_112135.png

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.31   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2479.250   2480.750    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -13.02   | dBm/3KHz | PASS    |



| TEST FINISHED   |      |
|-----------------|------|
| General Verdict | PASS |

## 8. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 2 Msps

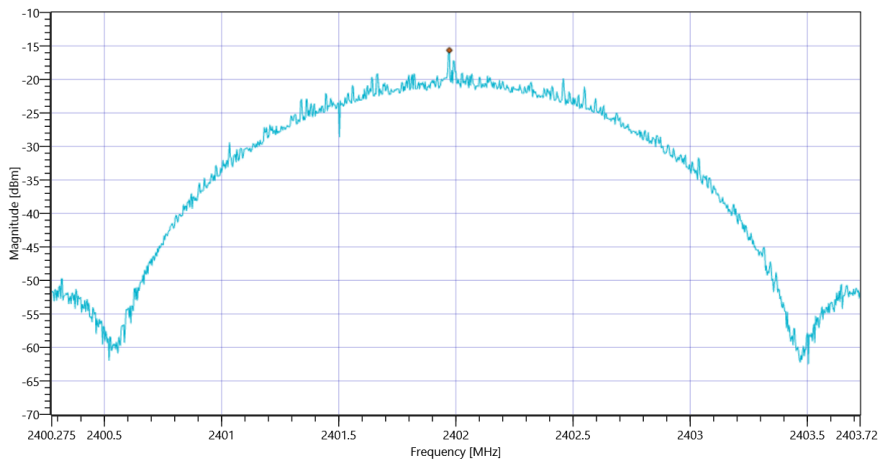
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 16.08.2021 11:51:32                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 26.5   43                                                                                                  |
| System Version                    | 3.0.1.5                                                                                                    |
| Test Specification                | FCC Part 15.247                                                                                            |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| TC Version                        | 0.0.1                                                                                                      |
| My Description                    | FCC 15.247 Peak Power Spectral Density DTS - BT LE 2 Msps                                                  |
| Add. Information                  |                                                                                                            |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 2 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.14   10.59   15      |
| Start [MHz]   Stop [MHz]                             | 2400.275   2403.725    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -15.63   | dBm/3KHz | PASS    |

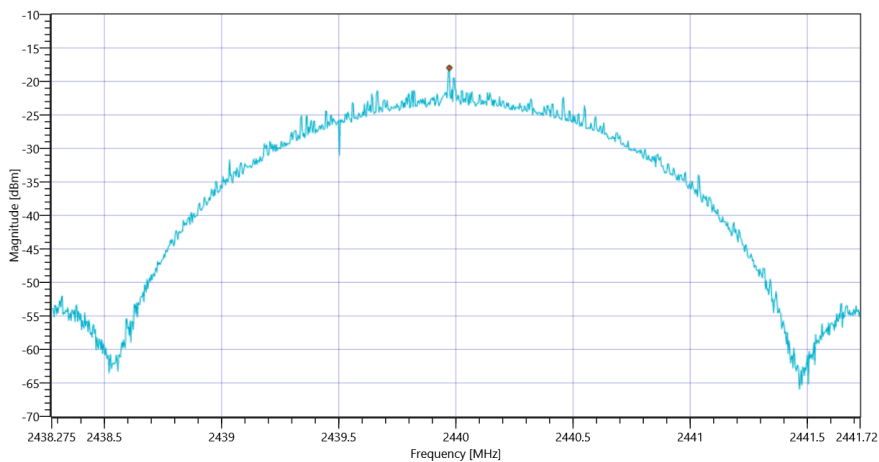


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 2 Msps\_16082021\_115217.png

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.53   10.6   10       |
| Start [MHz]   Stop [MHz]                             | 2438.275   2441.725    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -17.96   | dBm/3KHz | PASS    |

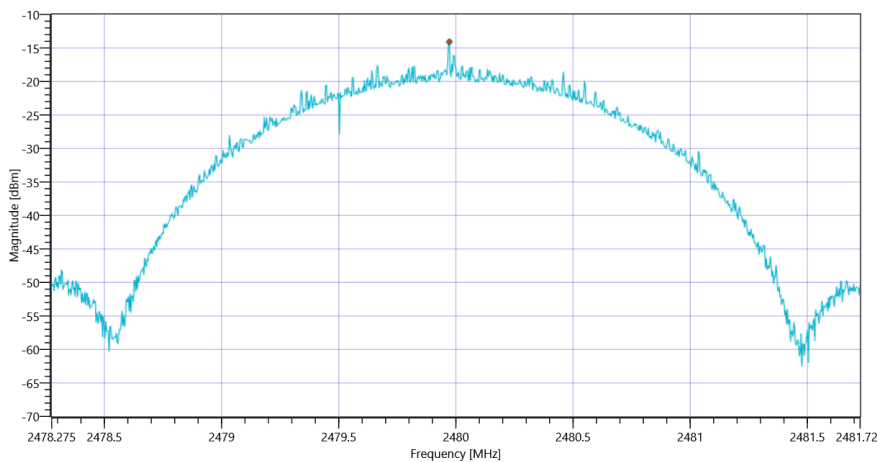


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 2 Msps\_16082021\_115309.png

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.33   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2478.275   2481.725    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -14.07   | dBm/3KHz | PASS    |



| TEST FINISHED   |      |
|-----------------|------|
| General Verdict | PASS |

## 9. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S8

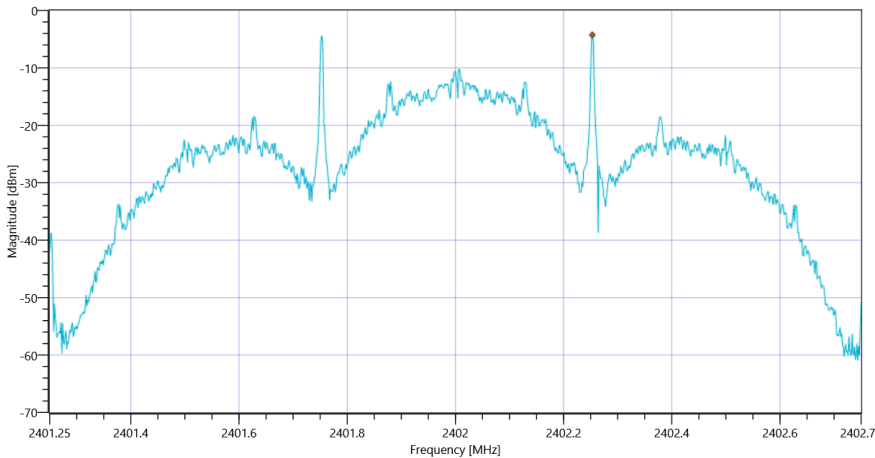
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 16.08.2021 12:19:27                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 26.7   43                                                                                                  |
| System Version                    | 3.0.1.5                                                                                                    |
| Test Specification                | FCC Part 15.247                                                                                            |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| TC Version                        | 0.0.1                                                                                                      |
| My Description                    | FCC 15.247 Peak Power Spectral Density DTS - BT LE coded S8                                                |
| Add. Information                  |                                                                                                            |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE coded S8                         |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |  |
|------------------------------------------------------|------------------------|--|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.08   10.59   15      |  |
| Start [MHz]   Stop [MHz]                             | 2401.250   2402.750    |  |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |  |
| Detector   TraceMode                                 | POS   MAXH             |  |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |  |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -4.25    | dBm/3KHz | PASS    |

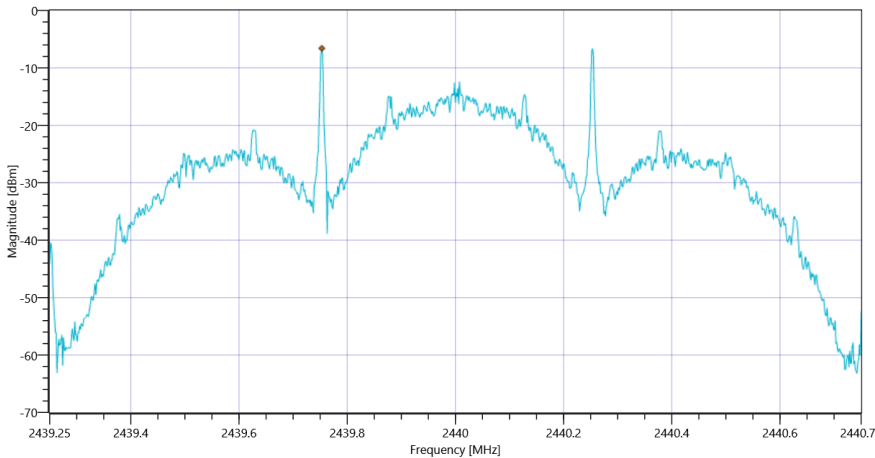


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S8\_16082021\_122014.png

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |  |
|------------------------------------------------------|------------------------|--|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.57   10.6   10       |  |
| Start [MHz]   Stop [MHz]                             | 2439.250   2440.750    |  |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |  |
| Detector   TraceMode                                 | POS   MAXH             |  |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |  |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -6.58    | dBm/3KHz | PASS    |

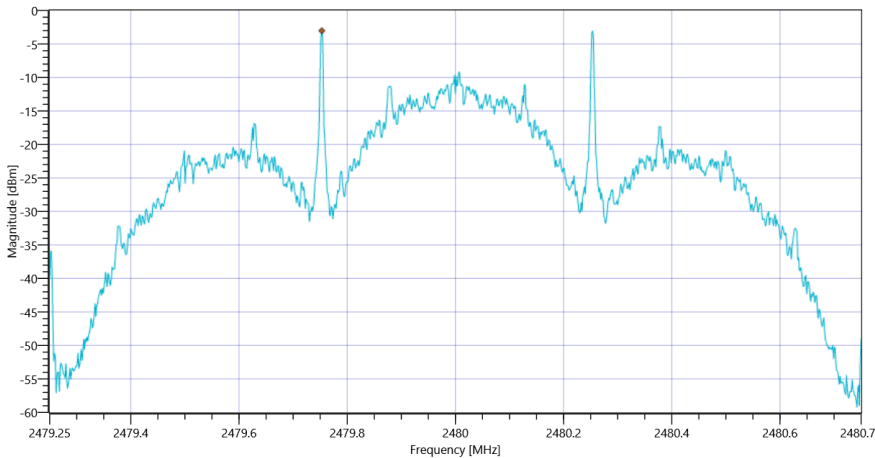


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S8\_16082021\_122104.png

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.30   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2479.250   2480.750    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -3.02    | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S8\_16082021\_122200.png

| TEST FINISHED   |      |
|-----------------|------|
| General Verdict | PASS |

## 10. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2

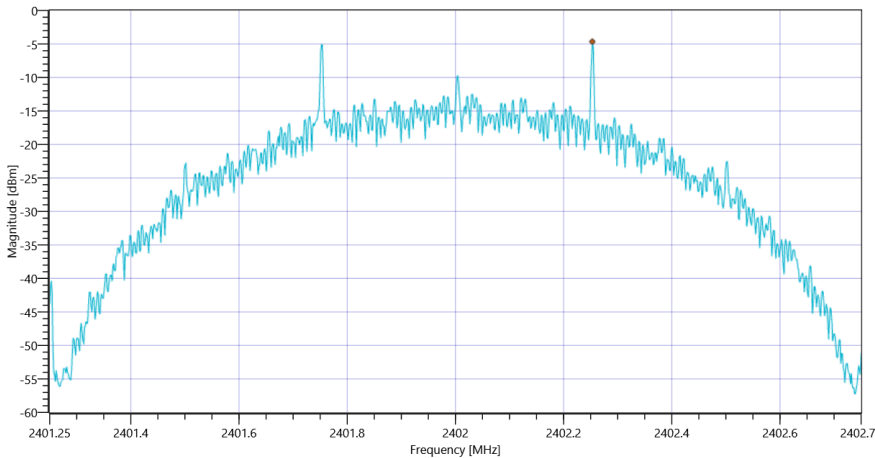
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 16.08.2021 12:25:01                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 26.7   43                                                                                                  |
| System Version                    | 3.0.1.5                                                                                                    |
| Test Specification                | FCC Part 15.247                                                                                            |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| TC Version                        | 0.0.1                                                                                                      |
| My Description                    | FCC 15.247 Peak Power Spectral Density DTS - BT LE coded S2                                                |
| Add. Information                  |                                                                                                            |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE coded S2                         |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.06   10.59   15      |
| Start [MHz]   Stop [MHz]                             | 2401.250   2402.750    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -4.64    | dBm/3KHz | PASS    |

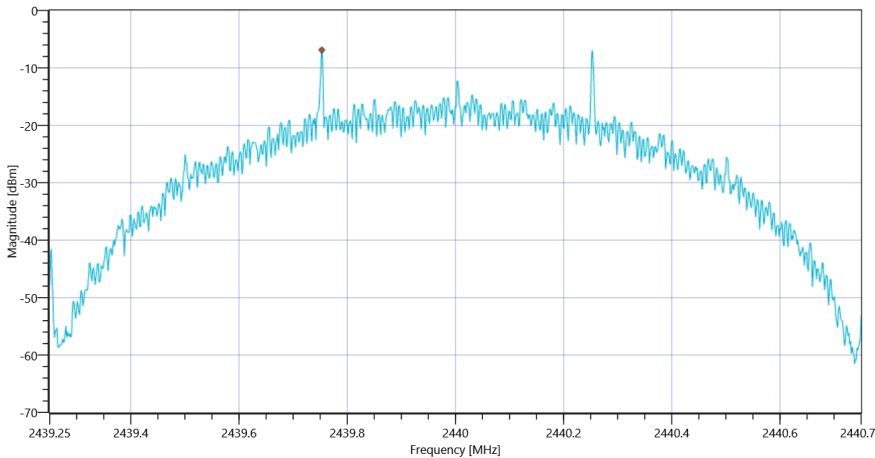


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_16082021\_122544.png

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |  |
|------------------------------------------------------|------------------------|--|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.56   10.6   10       |  |
| Start [MHz]   Stop [MHz]                             | 2439.250   2440.750    |  |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |  |
| Detector   TraceMode                                 | POS   MAXH             |  |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |  |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -6.87    | dBm/3KHz | PASS    |

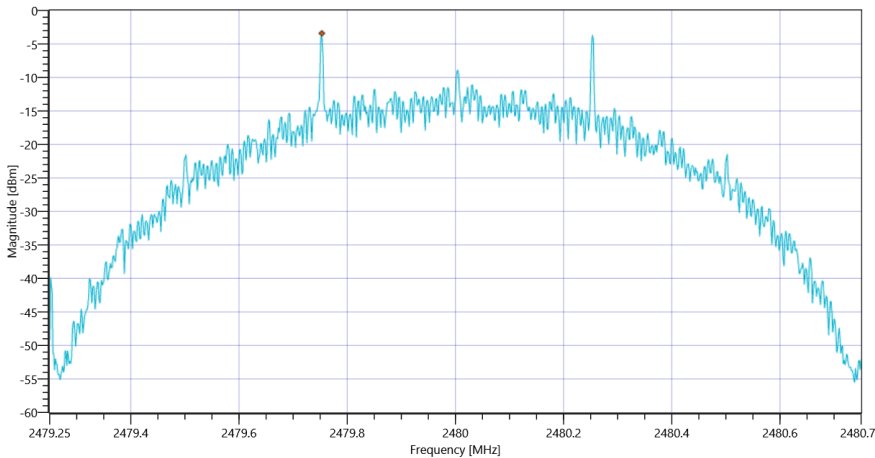


Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_16082021\_122642.png

Test at TX 2480 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.30   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2479.250   2480.750    |
| RBW [MHz]   VBW [MHz]                                | 0.003000   0.010000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   20   1001   SWE |

| RESULT                 |             |             |          |          |         |
|------------------------|-------------|-------------|----------|----------|---------|
| Test Description       | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
| Max Peak power Density | ---         | 8           | -3.41    | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_16082021\_122734.png

|                 |      |
|-----------------|------|
| TEST FINISHED   |      |
| General Verdict | PASS |

## 11. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 16.08.2021 11:23:06                                |
| Ambit Temp [°C]   Humidity [rel%] | 26.3   43                                          |
| System Version                    | 3.0.1.5                                            |
| Test Specification                | FCC Part 15.247                                    |
| Test Method                       |                                                    |
| TC Version                        | 0.0.2                                              |
| My Description                    | FCC 15.247 Bandwidth 99PCT-20dB DTS - BT LE 1 Msps |
| Add. Information                  |                                                    |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 1 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

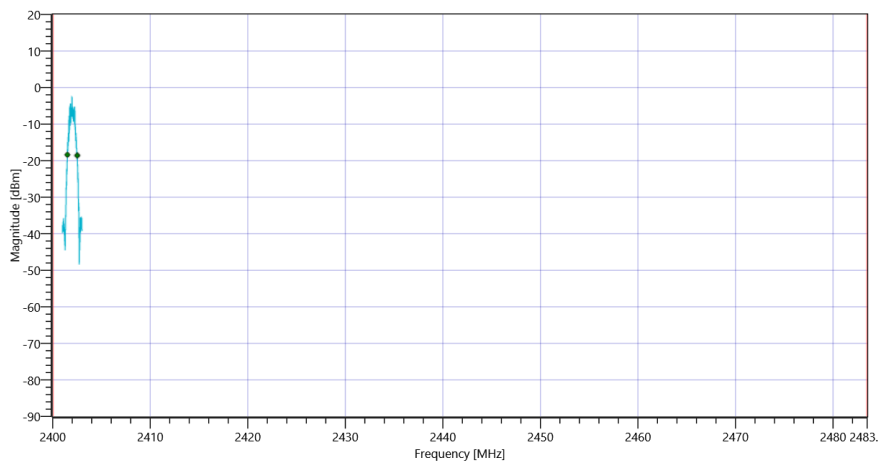
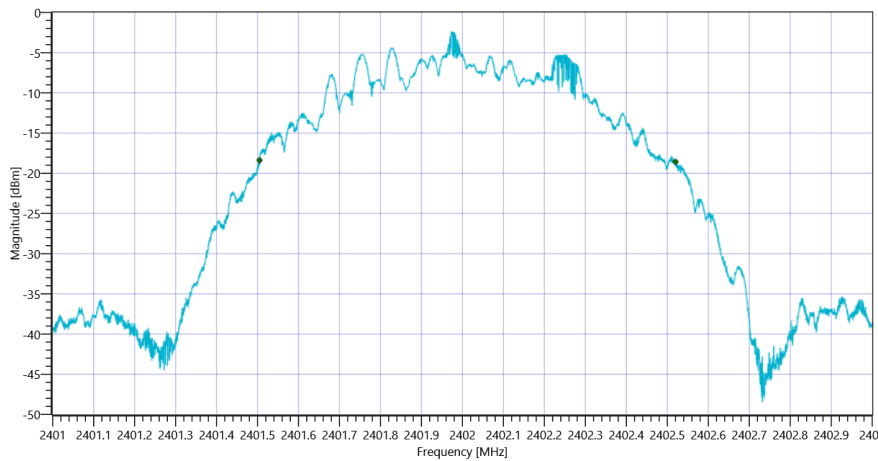
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.04   10.59   15      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.020000   0.100000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

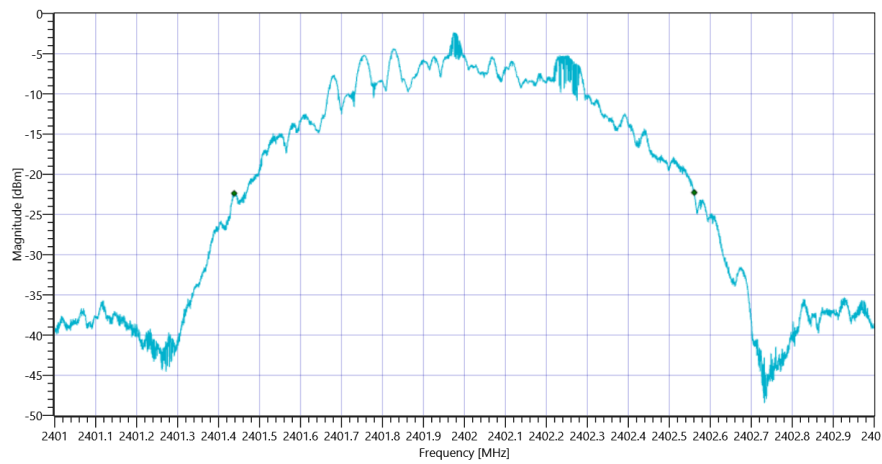
### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1015.298  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2401.5046 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2402.5199 | MHz  | PASS    |

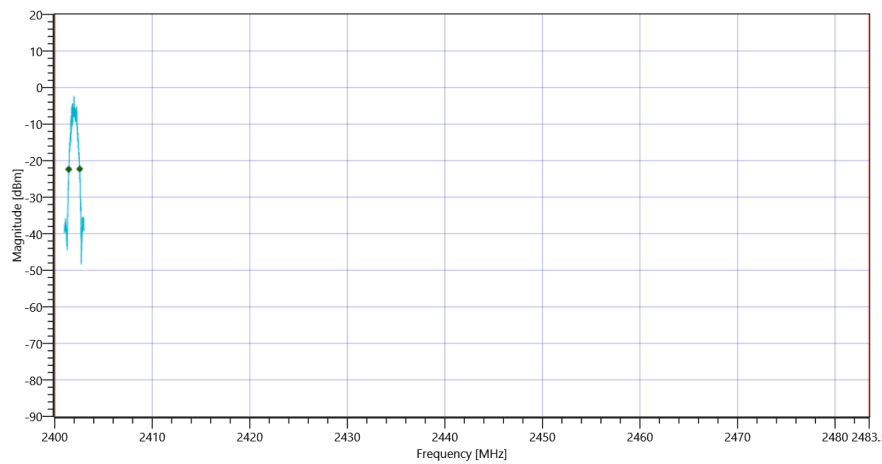


### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1123      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2401.4380 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2402.5608 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 20dB\_16082021\_112407.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_16082021\_112413.png

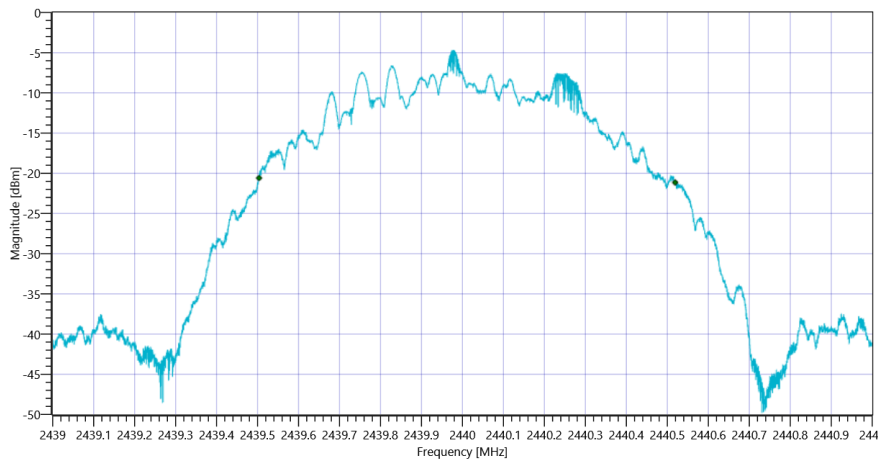
## Test at TX 2440 MHz

### READ SA SETTINGS:

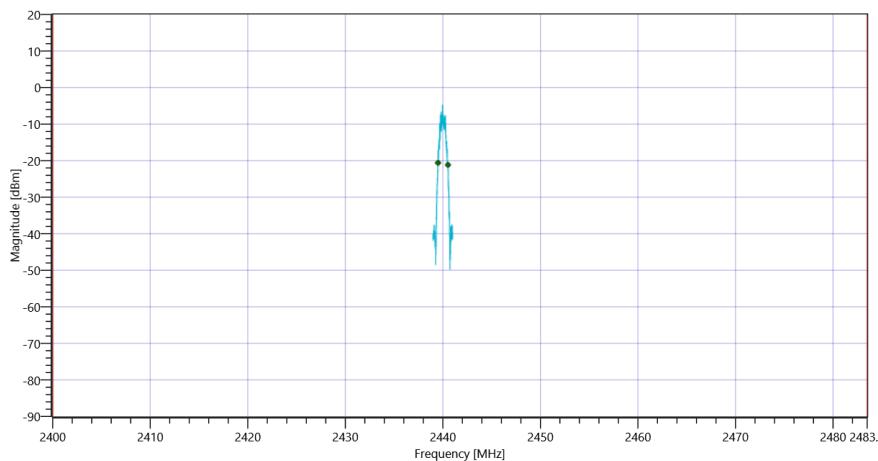
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.58   10.6   10       |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |
| RBW [MHz]   VBW [MHz]                                | 0.020000   0.100000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1015.298  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2439.5036 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2440.5189 | MHz  | PASS    |



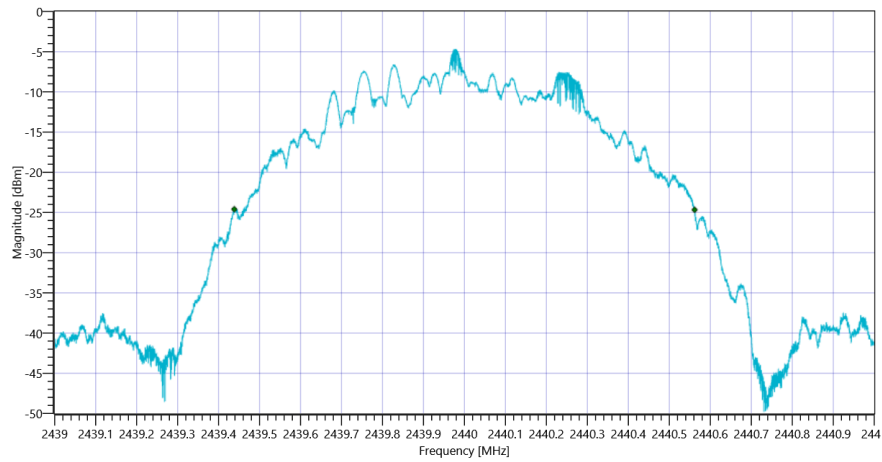
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 99PCT\_16082021\_112455.png



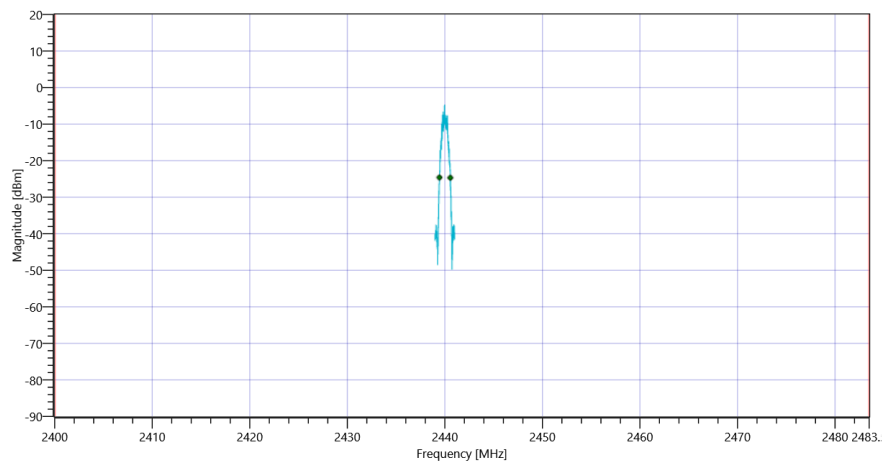
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_16082021\_112501.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1123      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2439.4382 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2440.5616 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 20dB\_16082021\_112508.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_16082021\_112514.png

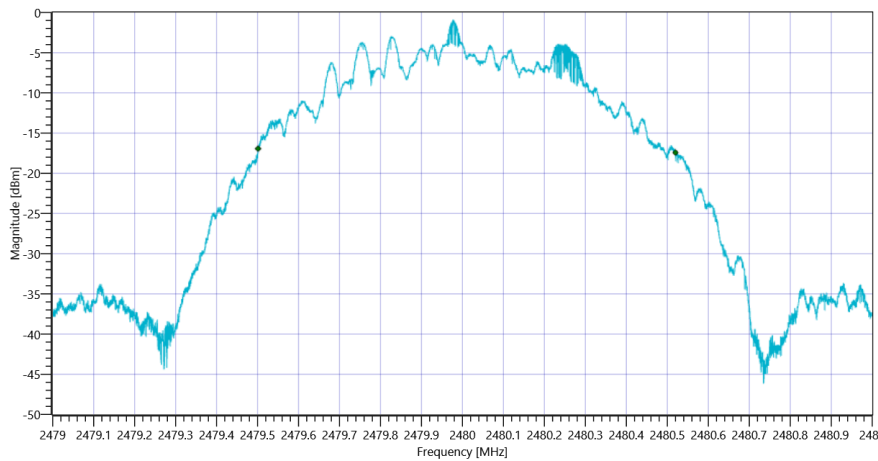
## Test at TX 2480 MHz

### READ SA SETTINGS:

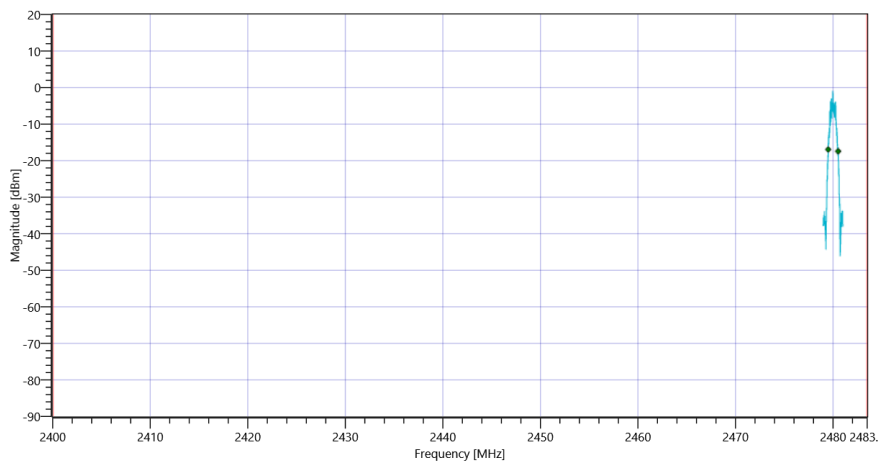
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.34   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.020000   0.100000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1018.498  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2479.5012 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2480.5197 | MHz  | PASS    |



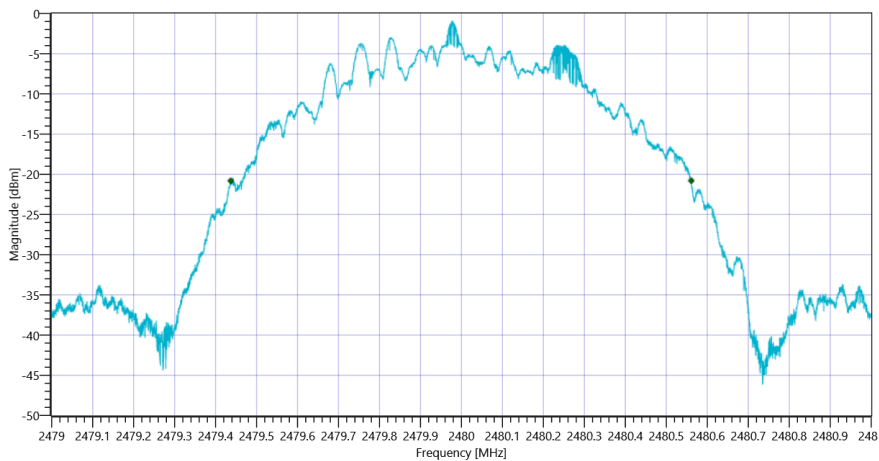
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 99PCT\_16082021\_112555.png



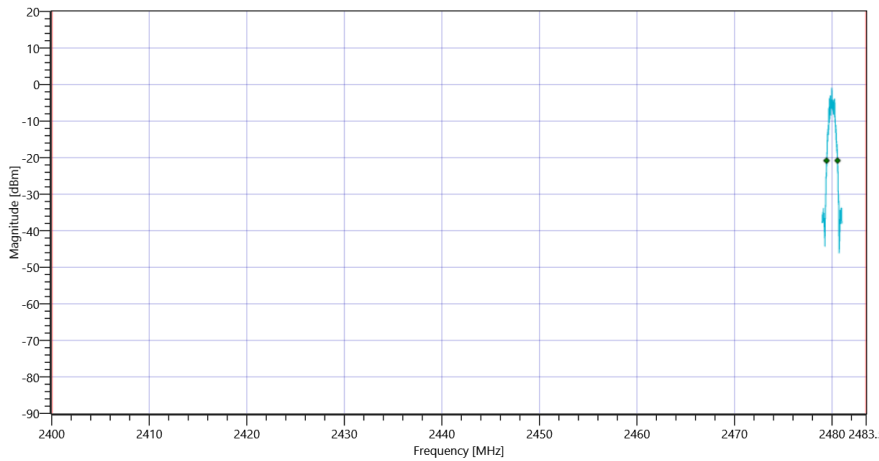
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_16082021\_112601.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1124      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2479.4370 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2480.5608 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 20dB\_16082021\_112608.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_16082021\_112615.png

|                 |      |
|-----------------|------|
| TEST FINISHED   |      |
| General Verdict | PASS |

## 12. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 16.08.2021 11:54:05                                |
| Ambit Temp [°C]   Humidity [rel%] | 26.6   43                                          |
| System Version                    | 3.0.1.5                                            |
| Test Specification                | FCC Part 15.247                                    |
| Test Method                       |                                                    |
| TC Version                        | 0.0.2                                              |
| My Description                    | FCC 15.247 Bandwidth 99PCT-20dB DTS - BT LE 2 Msps |
| Add. Information                  |                                                    |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 2 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

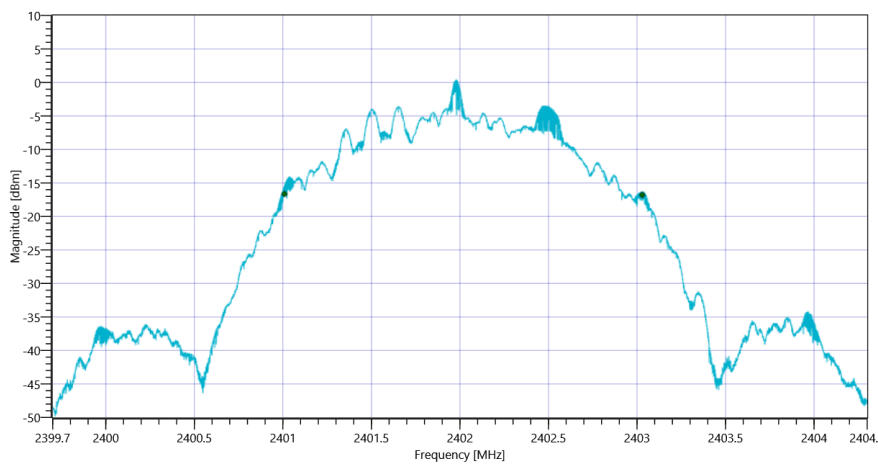
## Test at TX 2402 MHz

### READ SA SETTINGS:

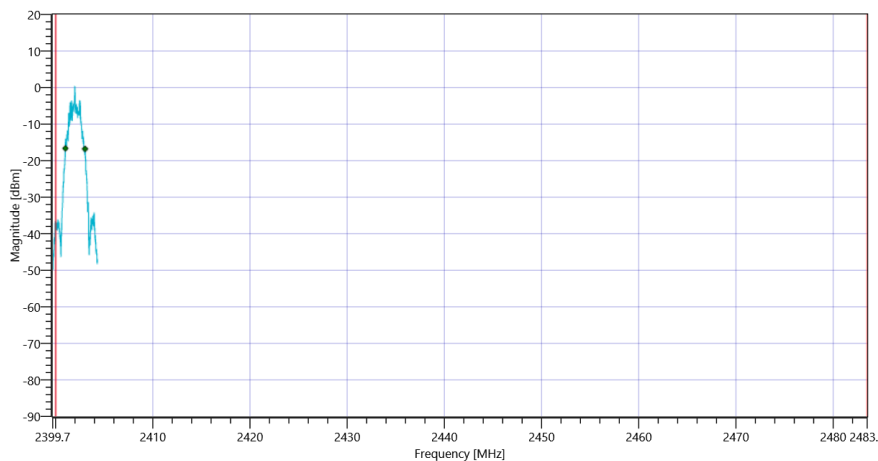
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.10   10.59   15      |
| Start [MHz]   Stop [MHz]                             | 2399.700   2404.300    |
| RBW [MHz]   VBW [MHz]                                | 0.050000   0.200000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 2020.118  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2401.0093 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2403.0294 | MHz  | PASS    |



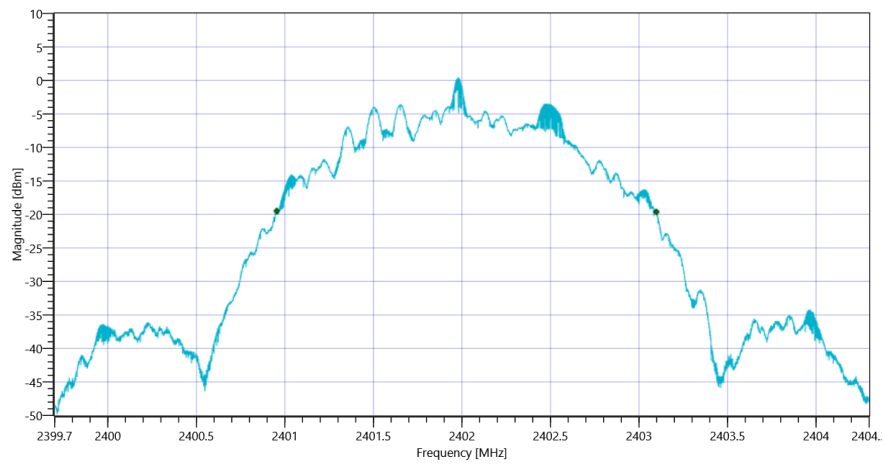
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 99PCT\_16082021\_115442.png



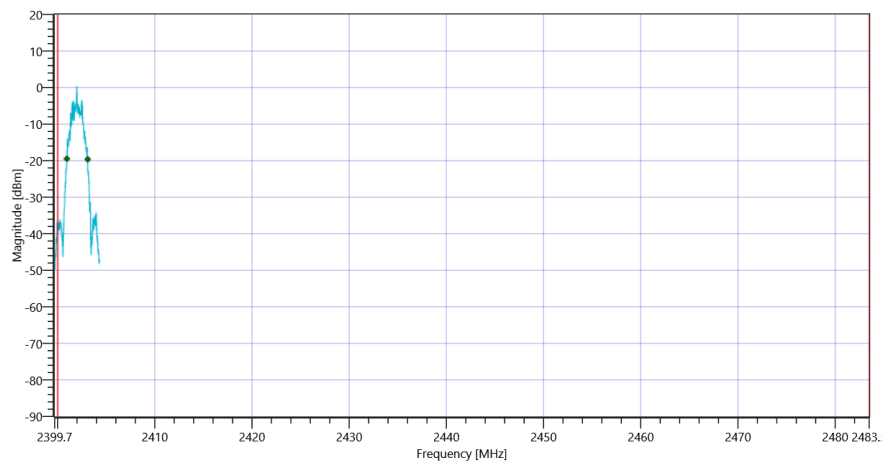
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115448.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 2145      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2400.9535 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2403.0985 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 20dB\_16082021\_115455.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115501.png

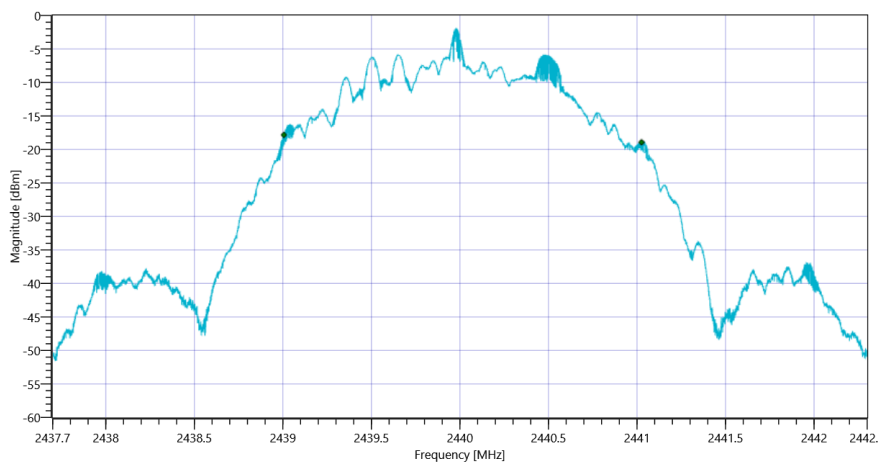
## Test at TX 2440 MHz

### READ SA SETTINGS:

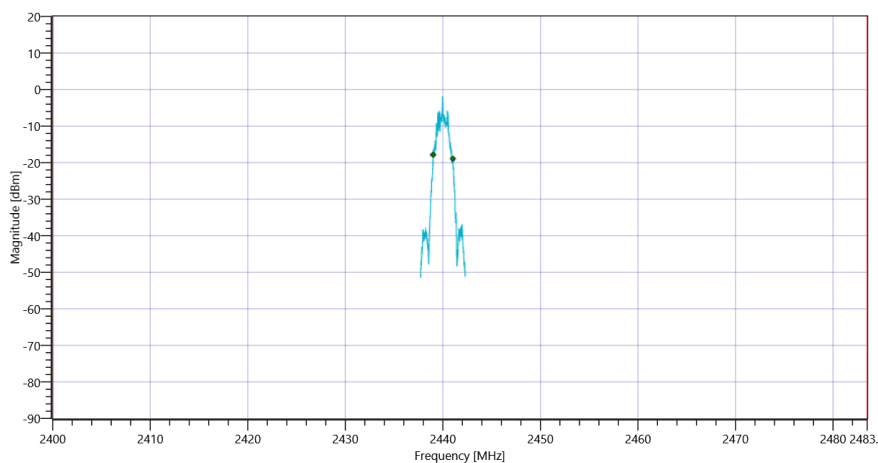
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.56   10.6   10       |
| Start [MHz]   Stop [MHz]                             | 2437.700   2442.300    |
| RBW [MHz]   VBW [MHz]                                | 0.050000   0.200000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 2020.118  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2439.0056 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2441.0257 | MHz  | PASS    |



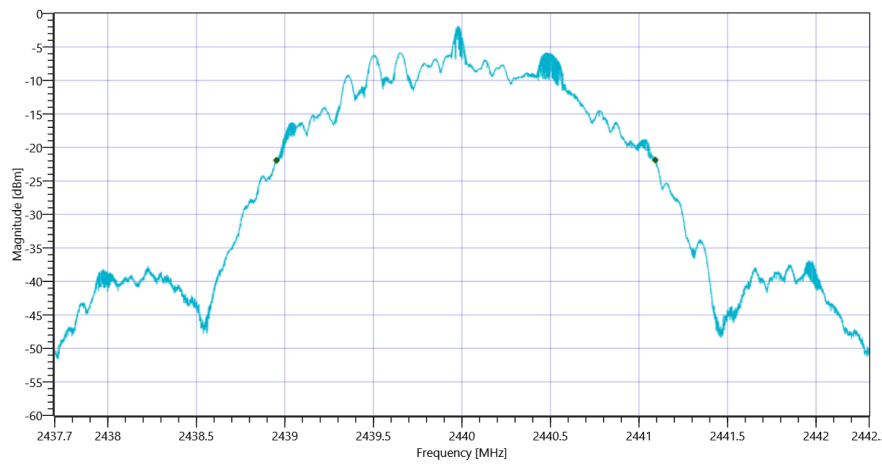
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 99PCT\_16082021\_115542.png



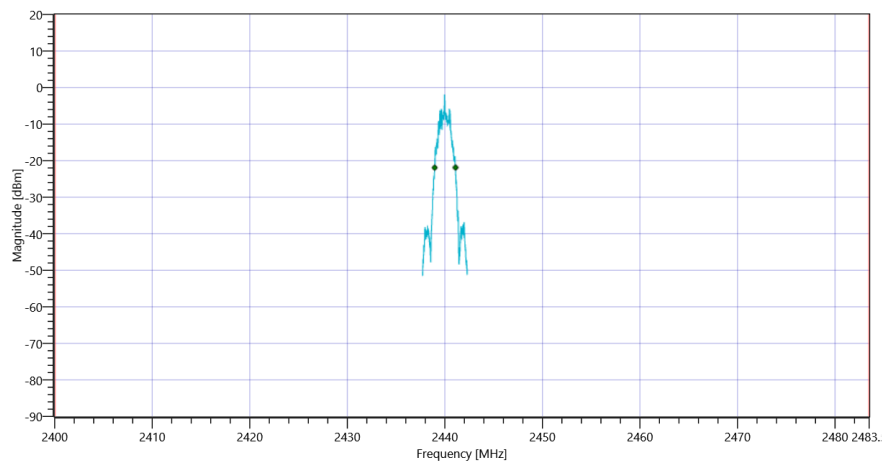
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115549.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 2139      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2438.9526 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2441.0920 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 20dB\_16082021\_115556.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115602.png

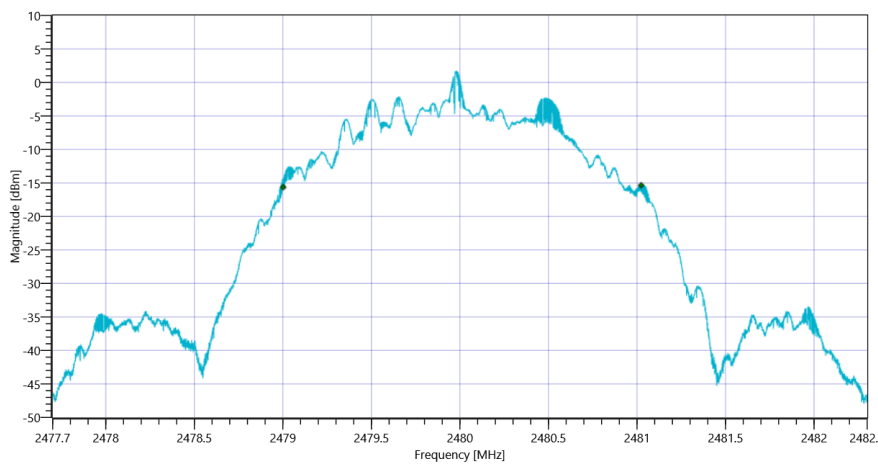
## Test at TX 2480 MHz

### READ SA SETTINGS:

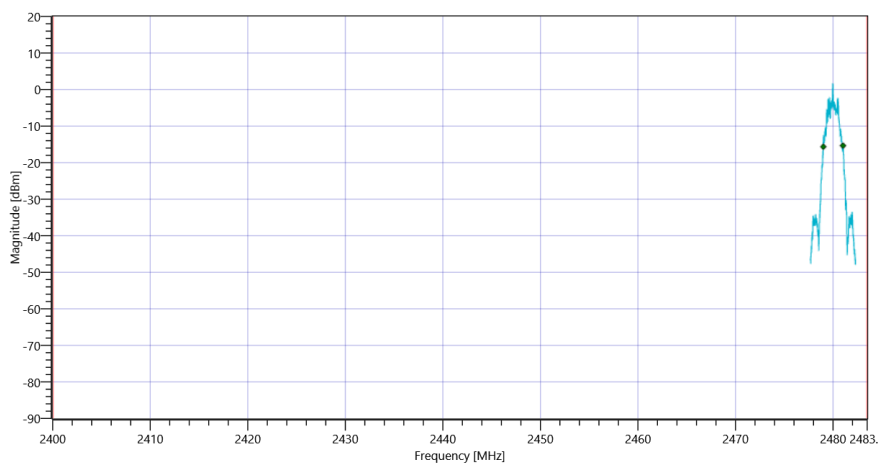
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.32   10.65   15      |
| Start [MHz]   Stop [MHz]                             | 2477.700   2482.300    |
| RBW [MHz]   VBW [MHz]                                | 0.050000   0.200000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 2021.498  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2479.0019 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2481.0234 | MHz  | PASS    |



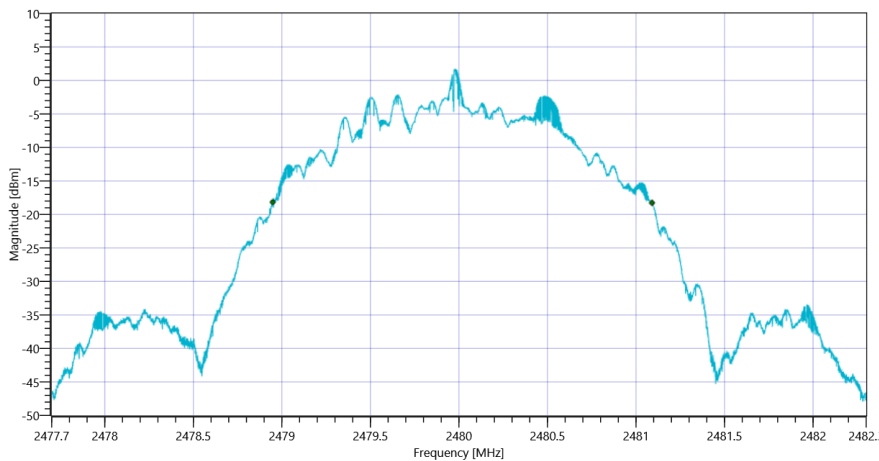
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 99PCT\_16082021\_115645.png



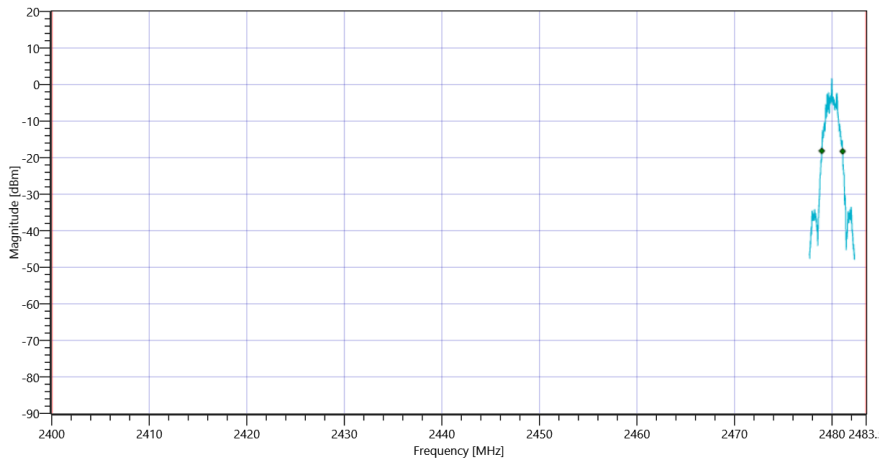
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115652.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 2142      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2478.9480 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2481.0902 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 20dB\_16082021\_115659.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_16082021\_115706.png

|                 |      |
|-----------------|------|
| TEST FINISHED   |      |
| General Verdict | PASS |

## 13. Common2G4 Peak OP 3MHz/3MHz ~ BT LE 1 Msps

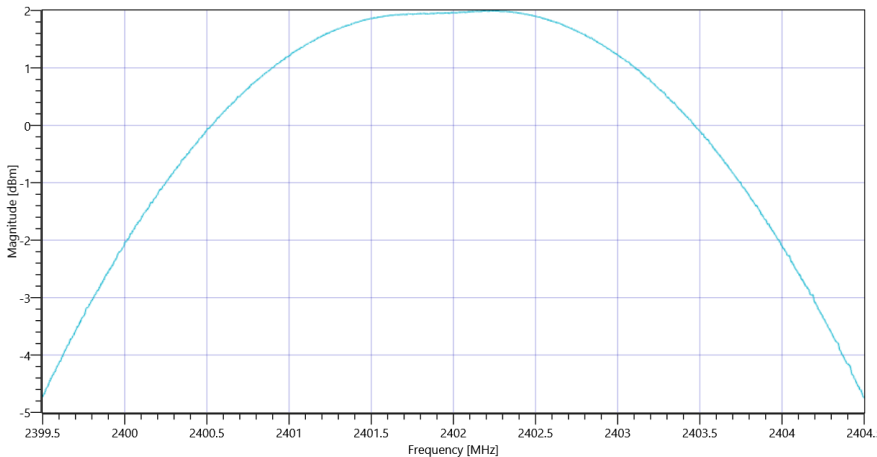
| Test References                   |                                                      |
|-----------------------------------|------------------------------------------------------|
| TC Start                          | 16.08.2021 11:09:09                                  |
| Ambit Temp [°C]   Humidity [rel%] | 26.1   44                                            |
| System Version                    | 3.0.1.5                                              |
| Test Specification                | None                                                 |
| Test Method                       |                                                      |
| TC Version                        | 0.0.1                                                |
| My Description                    | Peak Output Power conducted 3MHz/3MHz - BT LE 1 Msps |
| Add. Information                  |                                                      |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 1 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.02   10.59   20     |
| Start [MHz]   Stop [MHz]                             | 2399.500   2404.500    |
| RBW [MHz]   VBW [MHz]                                | 3.000000   3.000000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   10   1001   SWE |

| RESULT            |             |             |          |      |         |
|-------------------|-------------|-------------|----------|------|---------|
| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peak Power        | ---         | ---         | 2        | dBm  | Info    |
| Peak Power        | ---         | ---         | 1.584893 | mW   | Info    |
| Frequency at Peak | ---         | ---         | 2402.225 | MHz  | Info    |



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ BT LE 1 Msps\_16082021\_111033.png

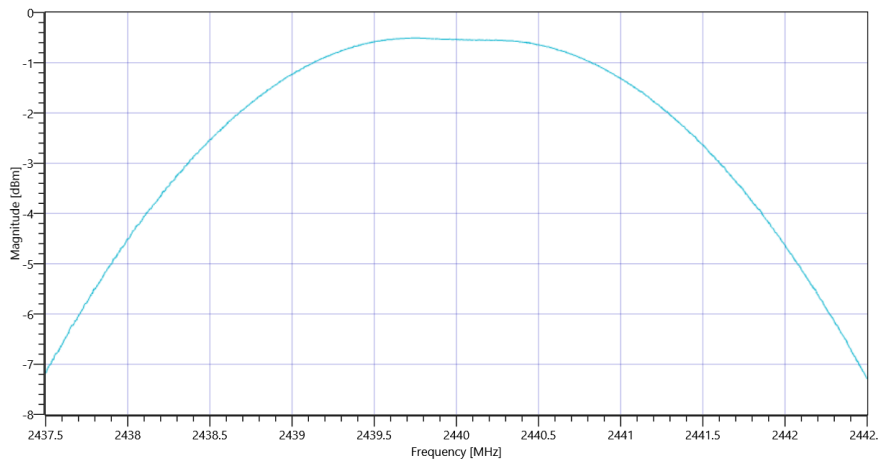
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.60   10.6   15       |
| Start [MHz]   Stop [MHz]                             | 2437.500   2442.500    |
| RBW [MHz]   VBW [MHz]                                | 3.000000   3.000000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   10   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | ---         | -0.51    | dBm  | Info    |
| Peak Power        | ---         | ---         | 0.889201 | mW   | Info    |
| Frequency at Peak | ---         | ---         | 2439.75  | MHz  | Info    |

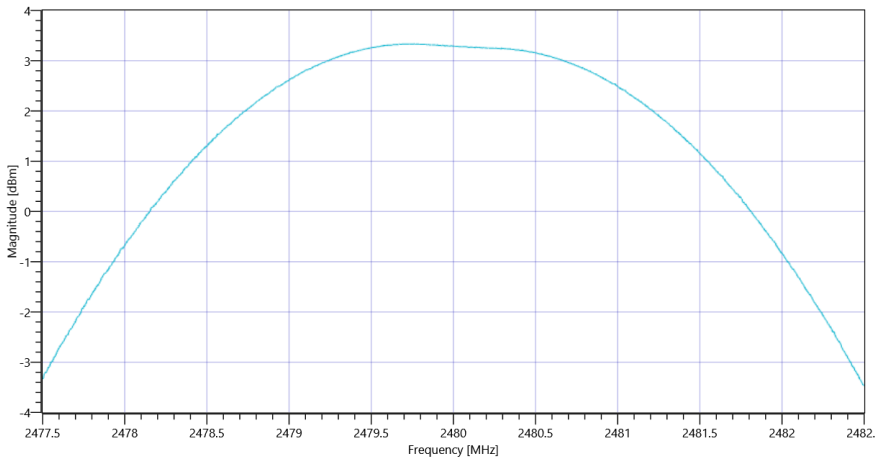


Plot\_Common2G4 Peak OP 3MHz-3MHz ~ BT LE 1 Msps\_16082021\_111149.png

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.36   10.65   20     |
| Start [MHz]   Stop [MHz]                             | 2477.500   2482.500    |
| RBW [MHz]   VBW [MHz]                                | 3.000000   3.000000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 1000   10   1001   SWE |

| RESULT            |             |             |          |      |         |
|-------------------|-------------|-------------|----------|------|---------|
| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peak Power        | ---         | ---         | 3.34     | dBm  | Info    |
| Peak Power        | ---         | ---         | 2.157744 | mW   | Info    |
| Frequency at Peak | ---         | ---         | 2479.73  | MHz  | Info    |



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ BT LE 1 Msps\_16082021\_111246.png

| TEST FINISHED   |      |
|-----------------|------|
| General Verdict | PASS |

## 14. FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps

| Test References                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| TC Start                          | 16.08.2021 11:26:20                                                                                            |
| Ambit Temp [°C]   Humidity [rel%] | 26.3   43                                                                                                      |
| System Version                    | 3.0.1.5                                                                                                        |
| Test Specification                | FCC Part 15.247                                                                                                |
| Test Method                       | IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable. |
| TC Version                        | 0.0.1                                                                                                          |
| My Description                    | FCC 15.247 TX Emissions Conducted DTS - BT LE 1 Msps                                                           |
| Add. Information                  |                                                                                                                |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 1 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

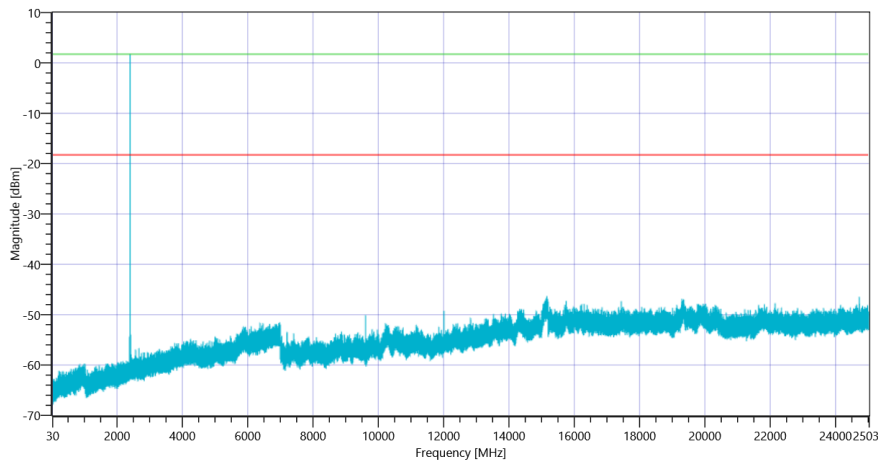
## Test at TX 2402 MHz

### READ SA SETTINGS:

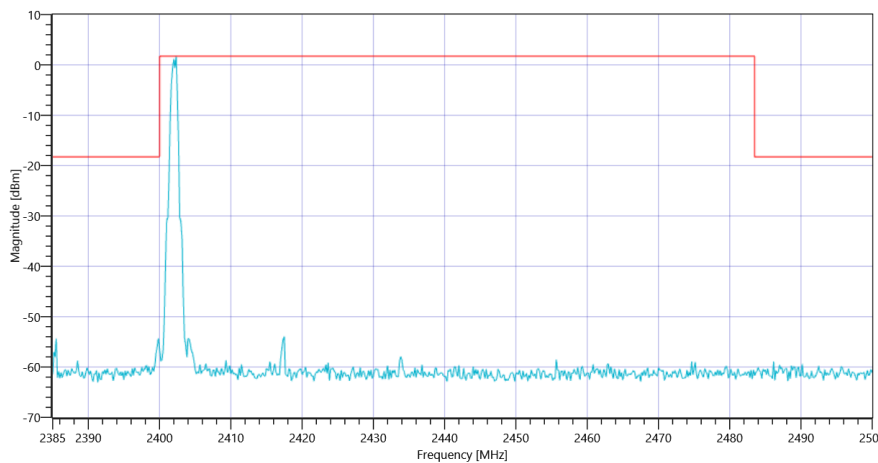
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.98   0   20         |
| Start [MHz]   Stop [MHz]                             | 24530.000   25030.000 |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 500   8   3001   SWE  |

### RESULT

| Test Description                     | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------------------|-------------|-------------|----------|------|---------|
| Reference @ 2402.33 MHz              | ---         | ---         | 1.76     | dBm  | INFO    |
| No peaks detected                    | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 15165.833 MHz | 0           | ---         | 28.07    | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2402\_16082021\_113209.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2402\_16082021\_113214.png

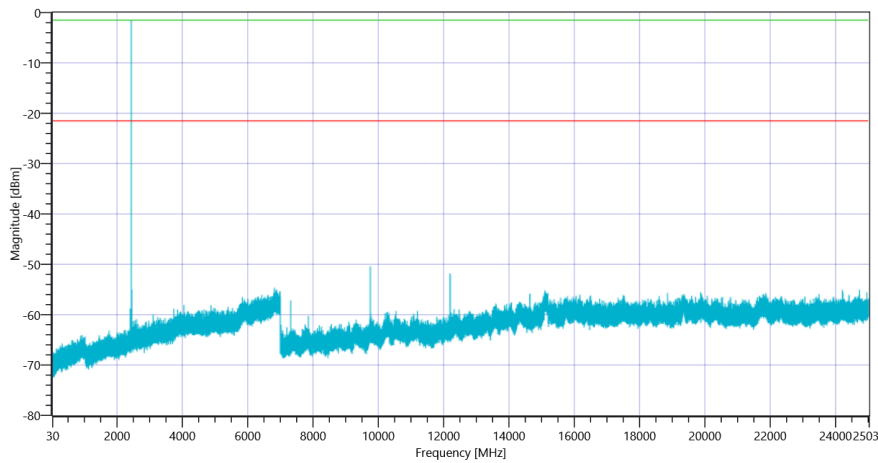
## Test at TX 2440 MHz

### READ SA SETTINGS:

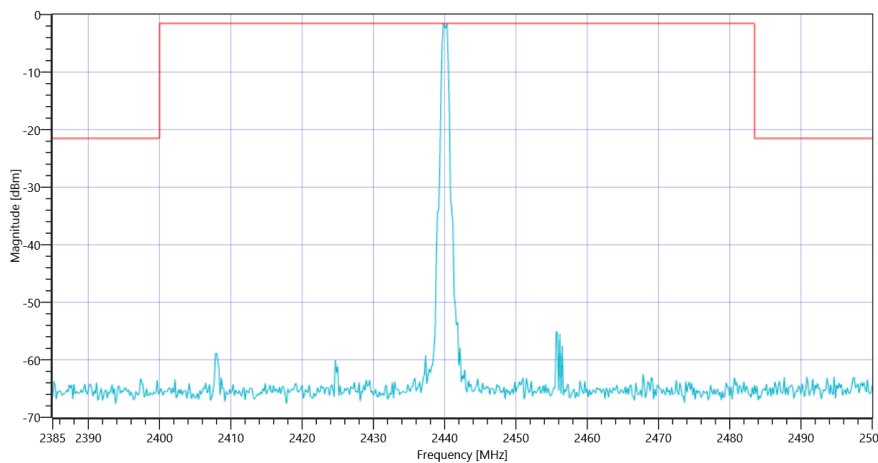
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.46   0   15        |
| Start [MHz]   Stop [MHz]                             | 24530.000   25030.000 |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 500   8   3001   SWE  |

### RESULT

| Test Description                | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------------------|-------------|-------------|----------|------|---------|
| Reference @ 2439.83 MHz         | ---         | ---         | -1.53    | dBm  | INFO    |
| No peaks detected               | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 9760 MHz | 0           | ---         | 28.92    | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2440\_16082021\_113819.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2440\_16082021\_113824.png

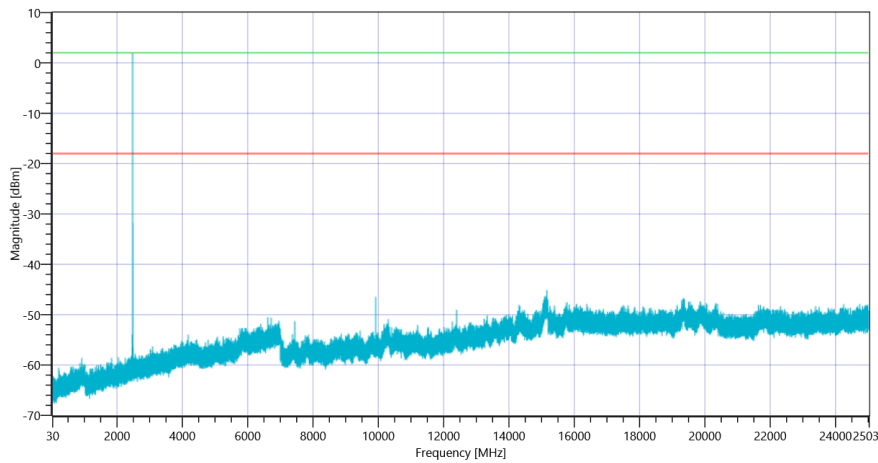
## Test at TX 2480 MHz

### READ SA SETTINGS:

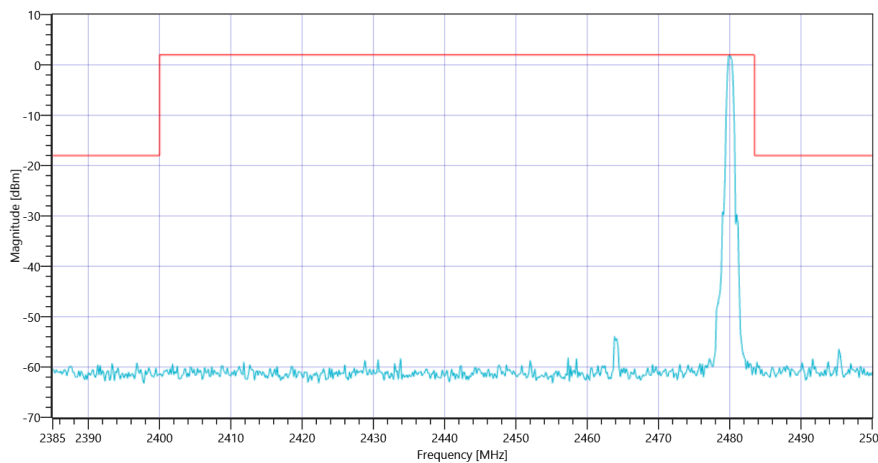
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.31   0   20         |
| Start [MHz]   Stop [MHz]                             | 24530.000   25030.000 |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 500   8   3001   SWE  |

### RESULT

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Reference @ 2480.00 MHz       | ---         | ---         | 1.97     | dBm  | INFO    |
| No peaks detected             | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 30 MHz | 0           | ---         | -135.23  | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2480\_16082021\_114420.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 1 Msps 2480\_16082021\_114425.png

### TEST FINISHED

General Verdict

PASS

## 15. FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps

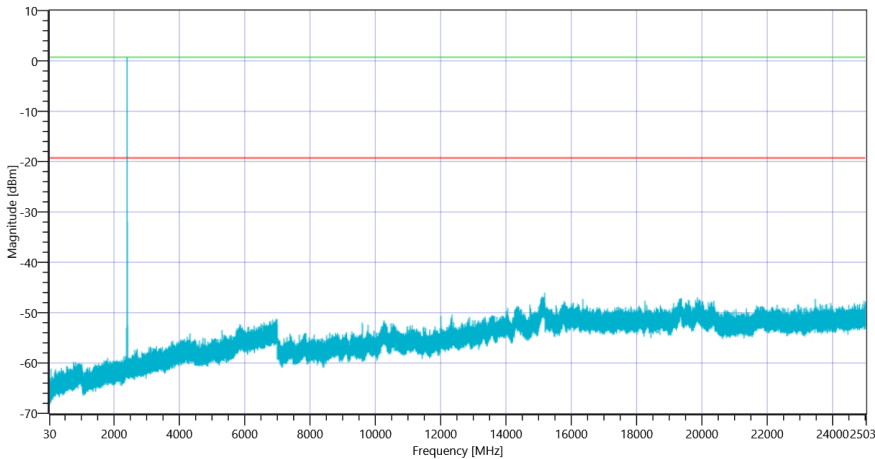
| Test References                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| TC Start                          | 16.08.2021 11:57:11                                                                                            |
| Ambit Temp [°C]   Humidity [rel%] | 26.6   43                                                                                                      |
| System Version                    | 3.0.1.5                                                                                                        |
| Test Specification                | FCC Part 15.247                                                                                                |
| Test Method                       | IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable. |
| TC Version                        | 0.0.1                                                                                                          |
| My Description                    | FCC 15.247 TX Emissions Conducted DTS - BT LE 2 Msps                                                           |
| Add. Information                  |                                                                                                                |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | BT LE 2 Msps                           |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 2402                 |
| Frequency mid to test                            | True   Freq [MHz] 2440                 |
| Frequency high to test                           | True   Freq [MHz] 2480                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

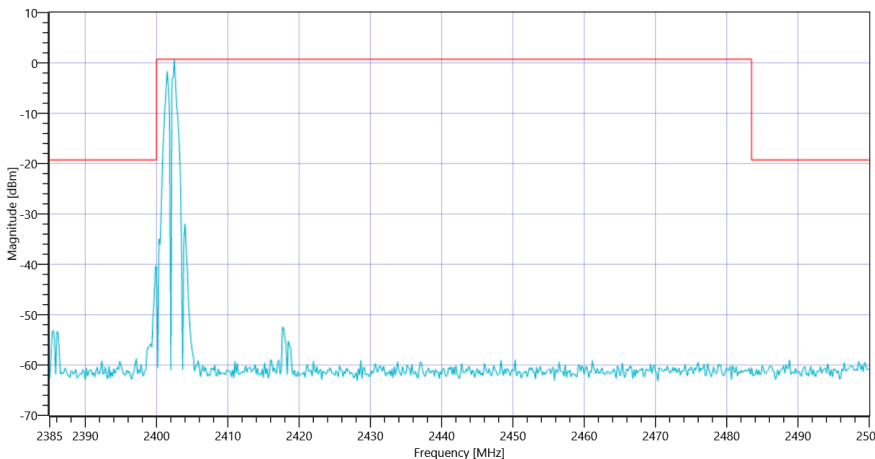
Test at TX 2402 MHz

|                                                      |  |  |                       |  |  |
|------------------------------------------------------|--|--|-----------------------|--|--|
| READ SA SETTINGS:                                    |  |  |                       |  |  |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   |  |  | 1.96   0   20         |  |  |
| Start [MHz]   Stop [MHz]                             |  |  | 24530.000   25030.000 |  |  |
| RBW [MHz]   VBW [MHz]                                |  |  | 0.100000   0.300000   |  |  |
| Detector   TraceMode                                 |  |  | POS   MAXH            |  |  |
| Sweep: Time [ms]   Count   Points per Section   Type |  |  | 500   8   3001   SWE  |  |  |

| RESULT                        |             |             |          |      |         |
|-------------------------------|-------------|-------------|----------|------|---------|
| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Reference @ 2402.50 MHz       | ---         | ---         | 0.72     | dBm  | INFO    |
| No peaks detected             | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 30 MHz | 0           | ---         | -135.04  | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2402\_16082021\_120254.png

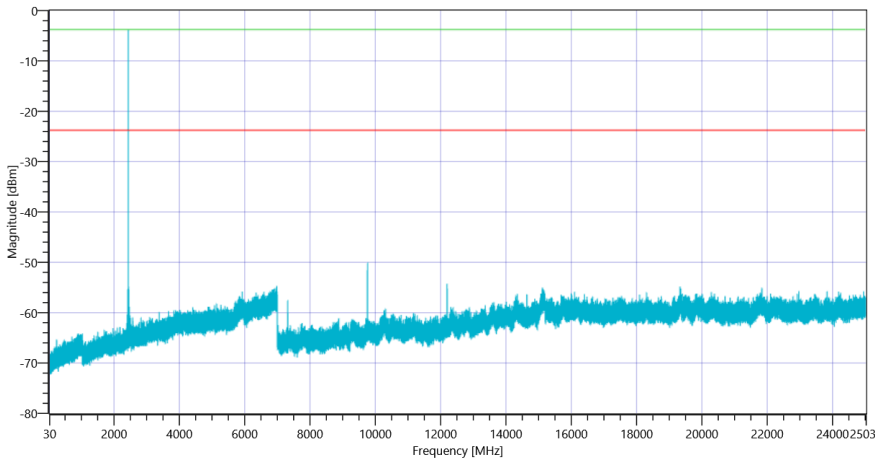


Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2402\_16082021\_120259.png

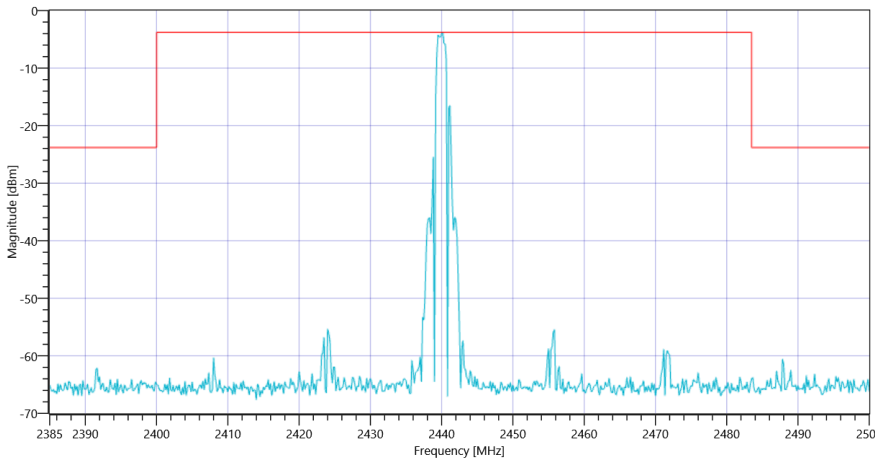
Test at TX 2440 MHz

|                                                      |                       |  |
|------------------------------------------------------|-----------------------|--|
| READ SA SETTINGS:                                    |                       |  |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.44   0   15        |  |
| Start [MHz]   Stop [MHz]                             | 24530.000   25030.000 |  |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |  |
| Detector   TraceMode                                 | POS   MAXH            |  |
| Sweep: Time [ms]   Count   Points per Section   Type | 500   8   3001   SWE  |  |

| RESULT                          |             |             |          |      |         |
|---------------------------------|-------------|-------------|----------|------|---------|
| Test Description                | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Reference @ 2440.17 MHz         | ---         | ---         | -3.79    | dBm  | INFO    |
| No peaks detected               | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 9762 MHz | 0           | ---         | 26.26    | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2440\_16082021\_120847.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2440\_16082021\_120852.png

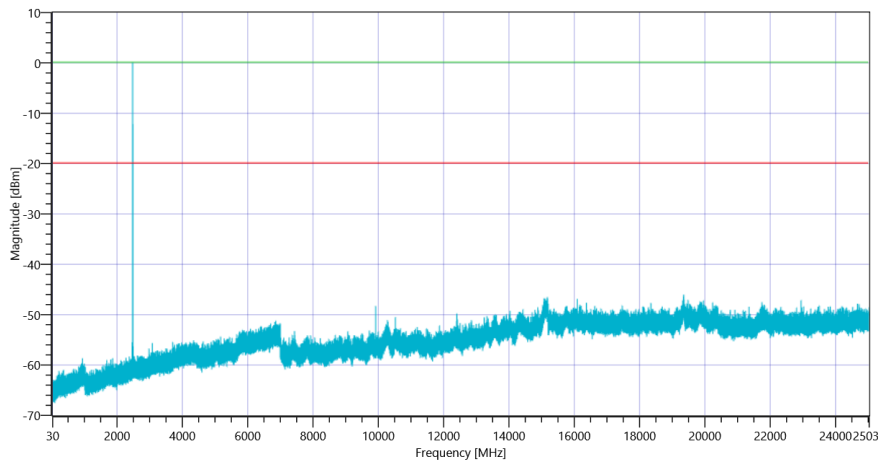
## Test at TX 2480 MHz

### READ SA SETTINGS:

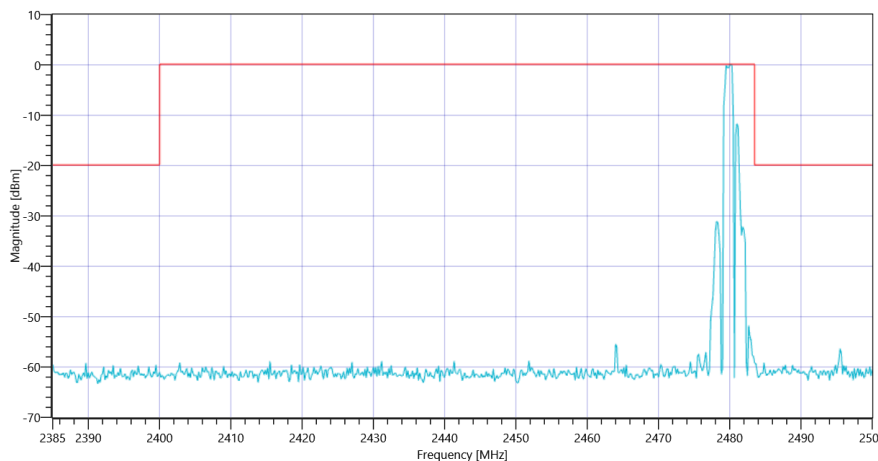
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.32   0   20         |
| Start [MHz]   Stop [MHz]                             | 24530.000   25030.000 |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 500   8   3001   SWE  |

### RESULT

| Test Description                     | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------------------|-------------|-------------|----------|------|---------|
| Reference @ 2480.17 MHz              | ---         | ---         | 0.14     | dBm  | INFO    |
| No peaks detected                    | ---         | ---         |          |      | PASS    |
| Lowest margin to limit 19352.667 MHz | 0           | ---         | 26.16    | dB   | INFO    |



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2480\_16082021\_121439.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ BT LE 2 Msps 2480\_16082021\_121444.png

### TEST FINISHED

General Verdict

PASS

- END OF DOCUMENT -