

## Measurement Results

1-0981/20-01-02\_log1\_conducted

[Test logging](#)

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2021.05.19 11:41:53 +02'00'

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## EUT Summary

| EUT DEFINITION                                  |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Manufacturer                                    | MEC electronics Entwicklung und Produktion GmbH |
| Type                                            | DM1ALM                                          |
| Kind                                            | NI                                              |
| Serial Number   Setup Number                    | 1264999921080001   1.0                          |
| Version SW   FW   HW                            | NI   NI   NI                                    |
| Comment 1   2                                   |                                                 |
| Temperature [°C] Min   Nom   Max                | 5   20   35                                     |
| Voltage [V] Min   Nom   Max    @Current Max [A] | 5   5   5    @1                                 |

## 1. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 08:38:47                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

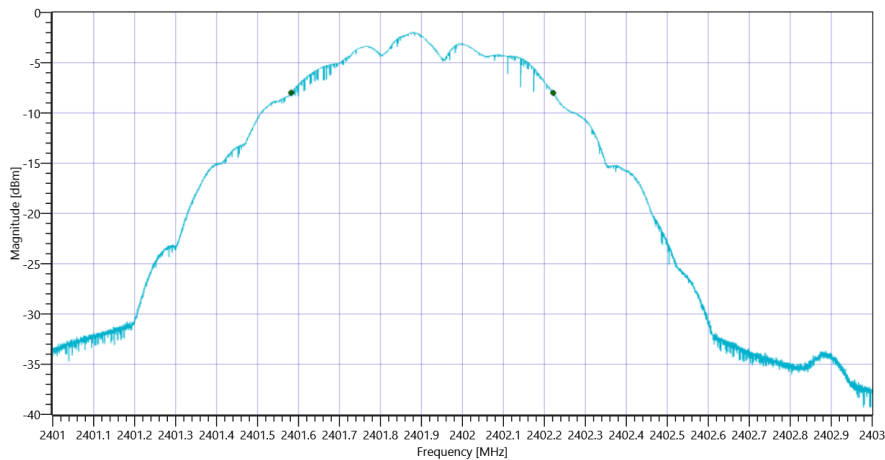
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.45   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 639      | kHz  | INFO    |



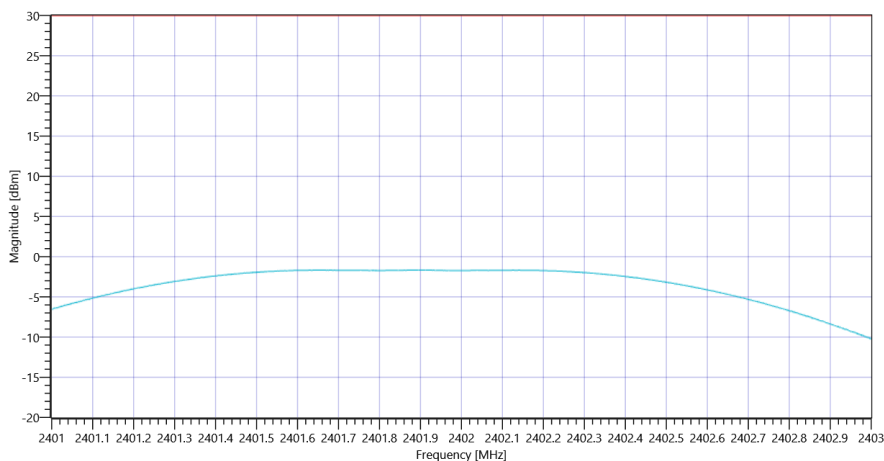
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps DTS BW\_24032021\_083916.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.45   10.86   15     |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -1.67    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.680769 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2401.896 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps\_24032021\_083934.png

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

## 2. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 08:49:59                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

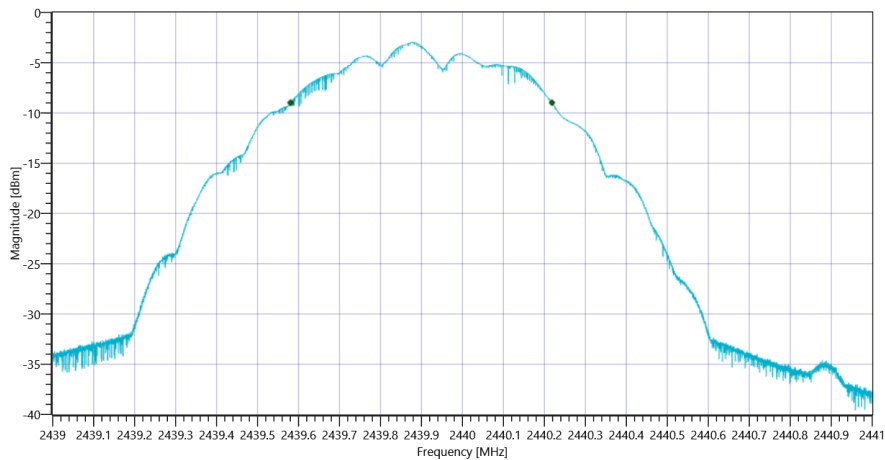
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.58   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 638      | kHz  | INFO    |



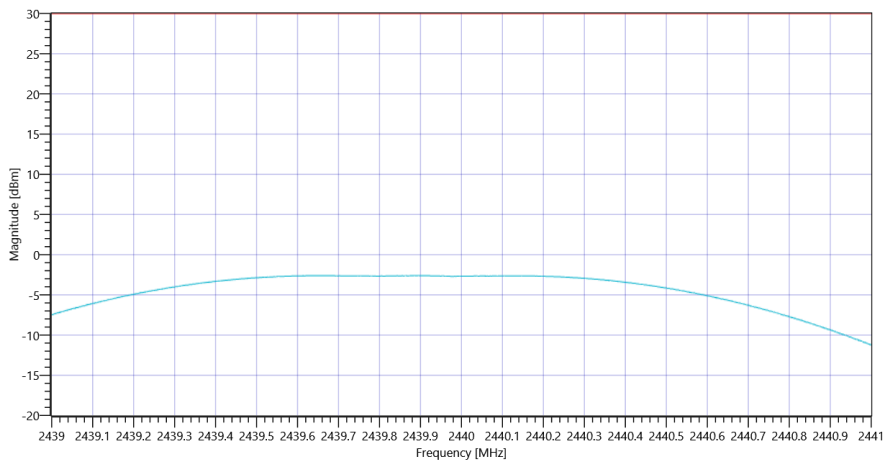
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps DTS BW\_24032021\_085028.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.58   10.94   15     |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -2.61    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.548277 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2439.888 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps\_24032021\_085047.png

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

### 3. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:07:27                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

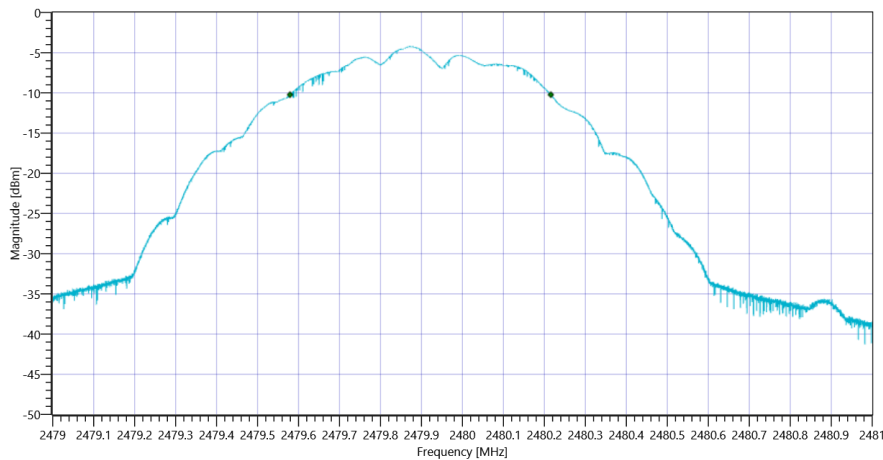
## Test at TX 2480 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.38   11   10         |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 636      | kHz  | INFO    |



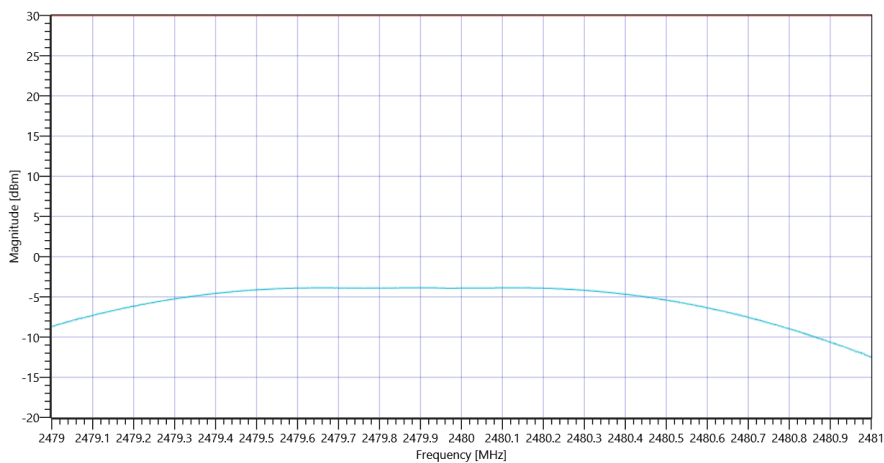
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps DTS BW\_24032021\_090756.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.38   11   15        |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -3.87    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.410204 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2479.894 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 1 Msps\_24032021\_090815.png

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

## 4. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:20:29                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

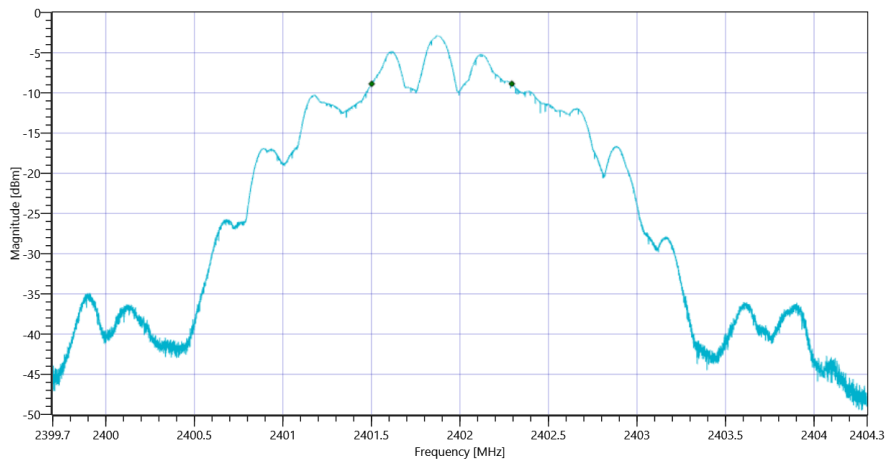
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.81   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2399.700   2404.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 791      | kHz  | INFO    |

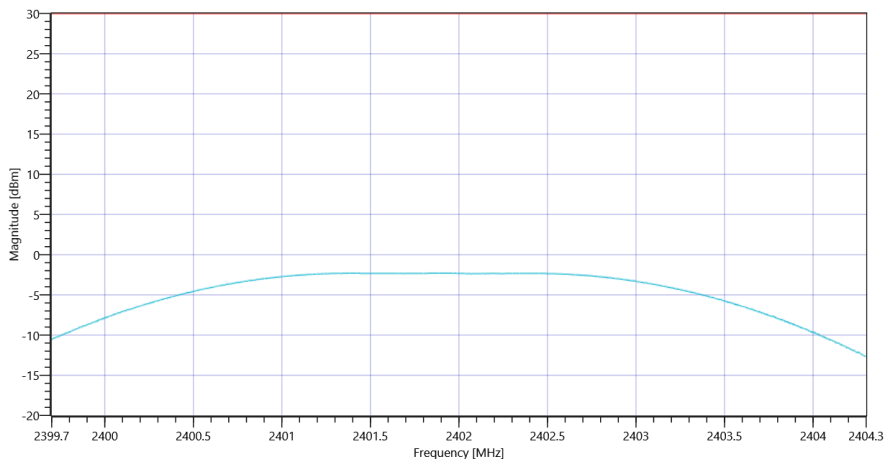


### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.81   10.86   15     |
| Start [MHz]   Stop [MHz]                             | 2399.700   2404.300   |
| RBW [MHz]   VBW [MHz]                                | 2.000000   5.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -2.3     | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.588844 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2401.899 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps\_24032021\_092117.png

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

## 5. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:36:10                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

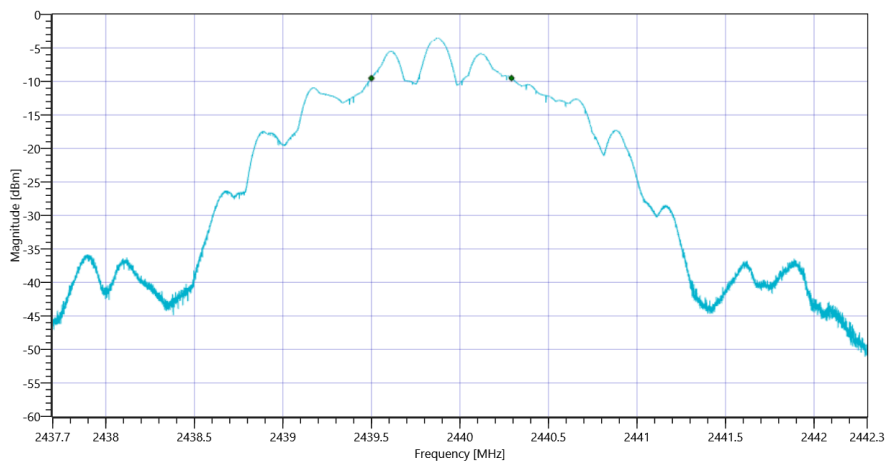
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.28   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2437.700   2442.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 791      | kHz  | INFO    |



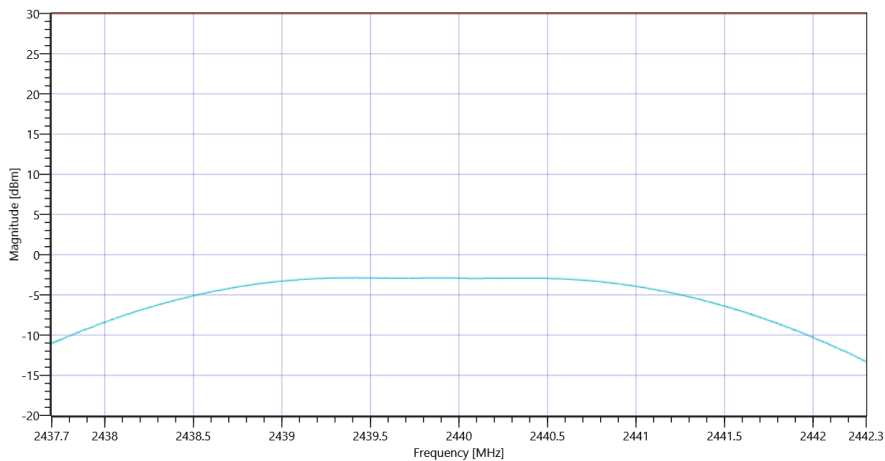
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps DTS BW\_24032021\_093639.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.28   10.94   15     |
| Start [MHz]   Stop [MHz]                             | 2437.700   2442.300   |
| RBW [MHz]   VBW [MHz]                                | 2.000000   5.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -2.88    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.515229 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2439.389 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps\_24032021\_093658.png

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

## 6. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps

| Test References                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:54:45                                               |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                           |
| System Version                    | 2.0.0.4                                                           |
| Test Specification                | FCC Part 15.247                                                   |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth     |
| TC Version                        | 0.0.1                                                             |
| My Description                    | FCC 15.247 Maximum Peak Output Power 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

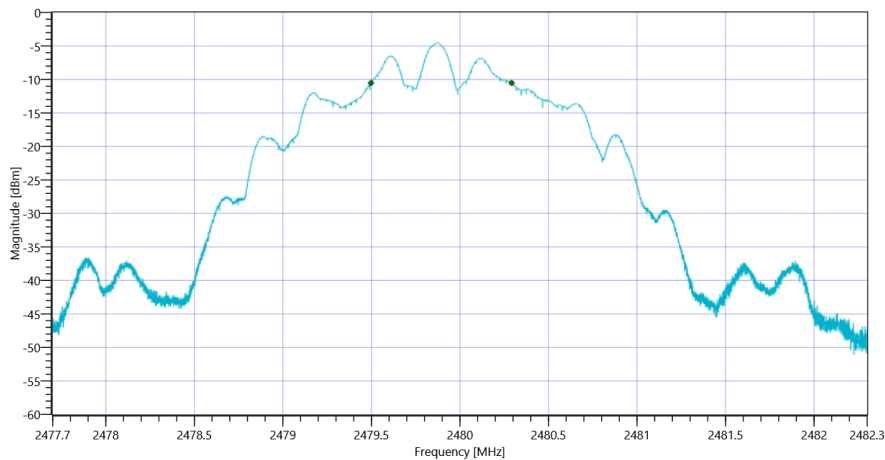
## Test at TX 2480 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.15   11   10         |
| Start [MHz]   Stop [MHz]                             | 2477.700   2482.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 794      | kHz  | INFO    |

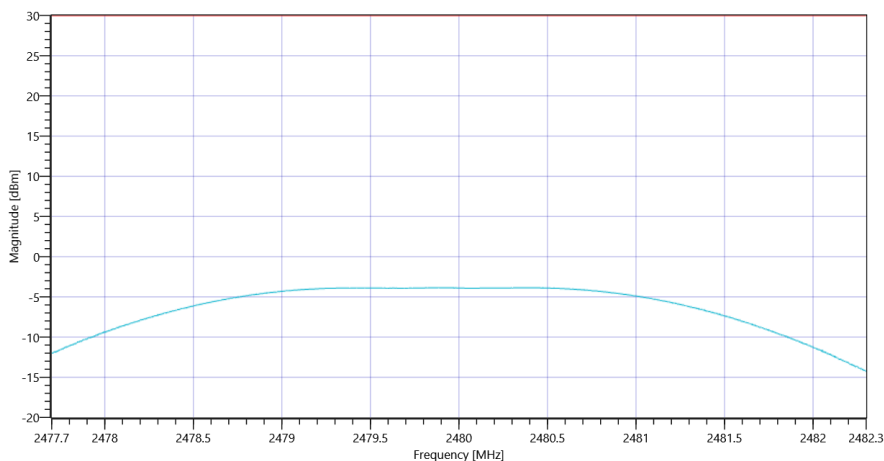


### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.15   11   15        |
| Start [MHz]   Stop [MHz]                             | 2477.700   2482.300   |
| RBW [MHz]   VBW [MHz]                                | 2.000000   5.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -3.87    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.410204 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2479.894 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE 2 Msps\_24032021\_095533.png

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

## 7. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:10:59                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

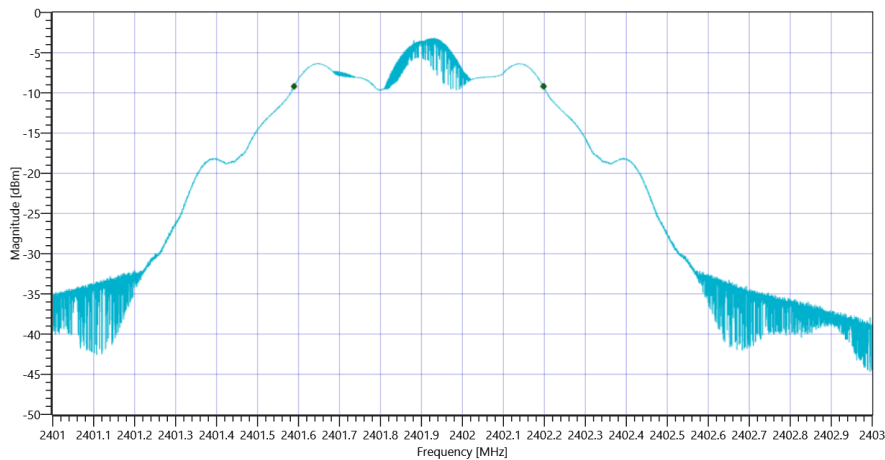
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.67   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 609      | kHz  | INFO    |



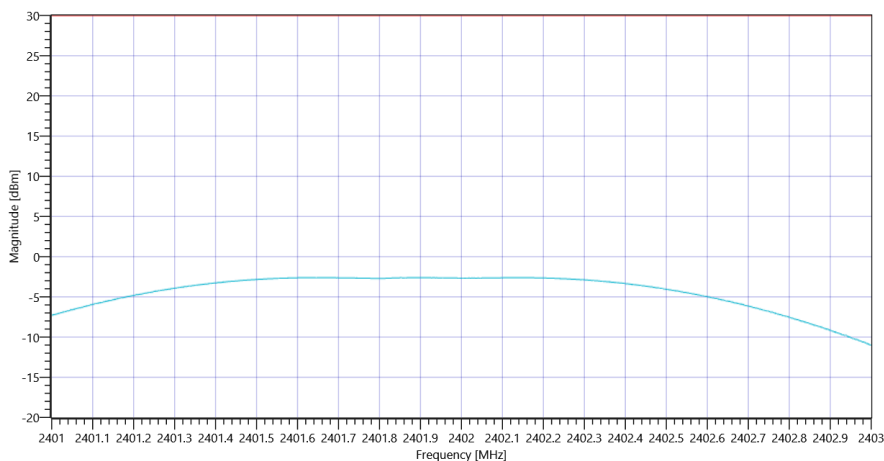
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8 DTS BW\_24032021\_101129.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.67   10.86   15     |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -2.61    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.548277 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2401.92  | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8\_24032021\_101148.png

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

## 8. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:22:21                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

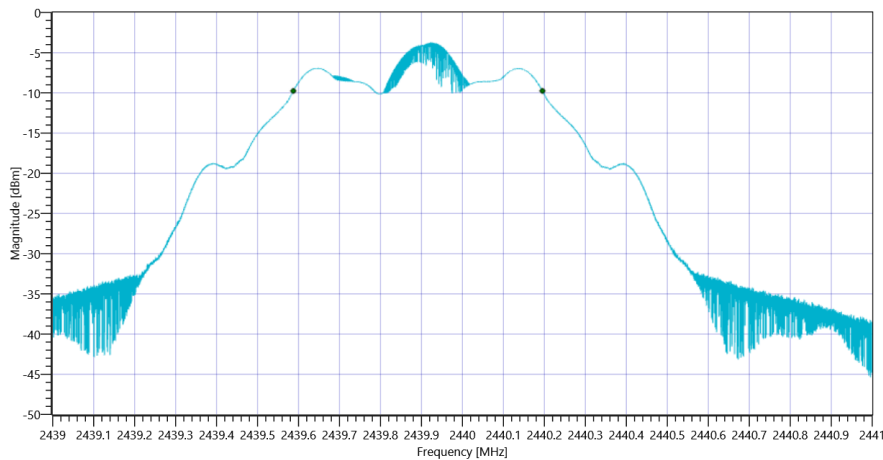
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.19   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 608      | kHz  | INFO    |



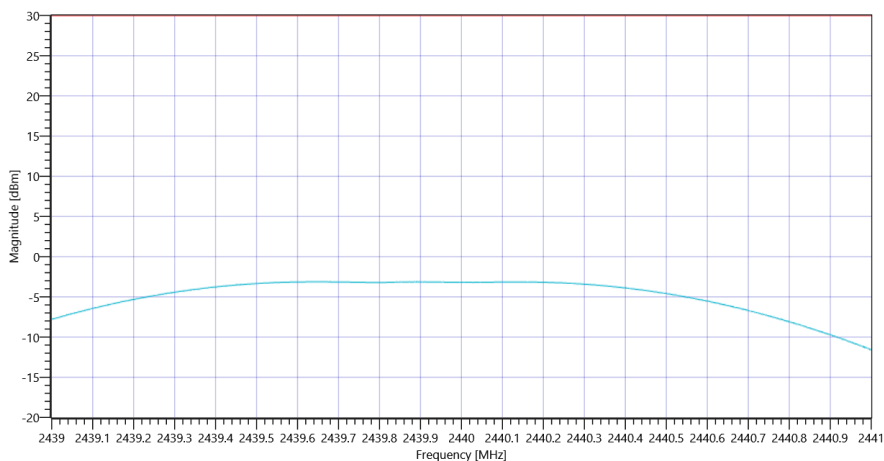
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8 DTS BW\_24032021\_102250.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.19   10.94   15     |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -3.13    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.486407 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2439.652 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8\_24032021\_102309.png

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

## 9. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:32:50                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

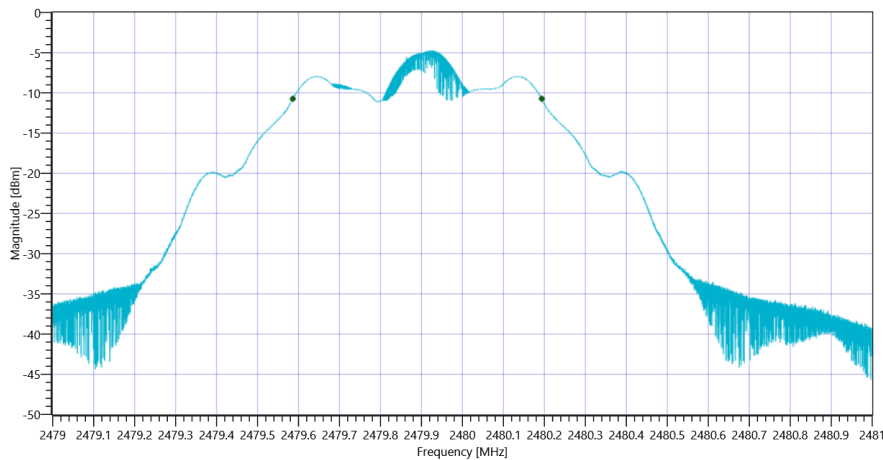
## Test at TX 2480 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.18   11   10         |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 607      | kHz  | INFO    |



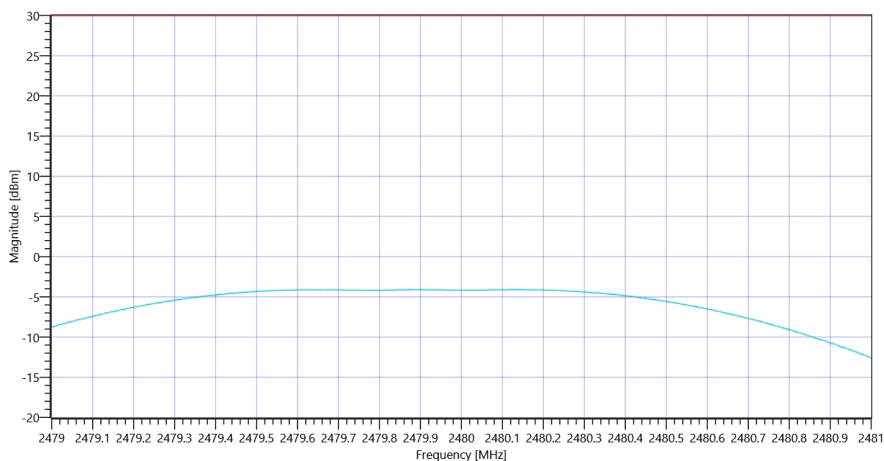
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8 DTS BW\_24032021\_103320.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.18   11   15        |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -4.1     | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.389045 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2479.91  | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S8\_24032021\_103338.png

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

## 10. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:44:42                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

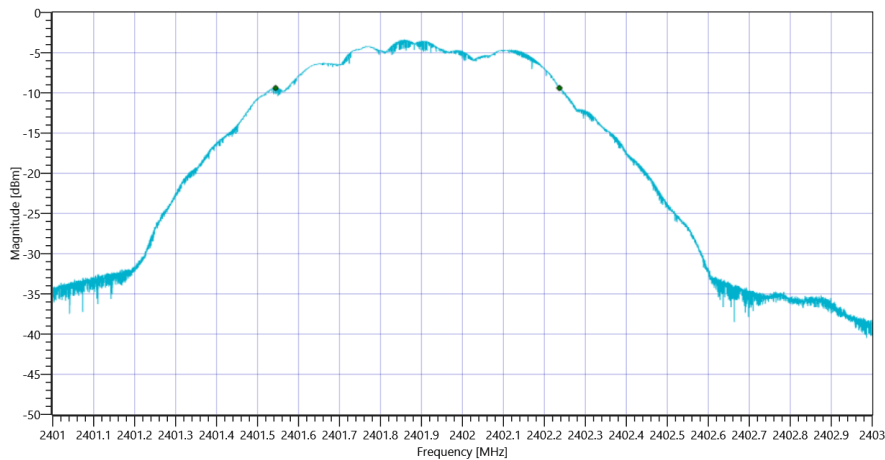
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.65   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 693      | kHz  | INFO    |



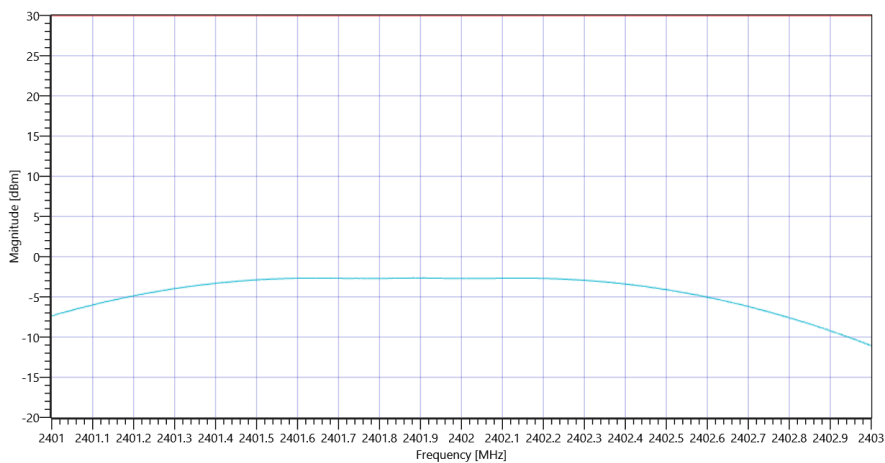
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2 DTS BW\_24032021\_104511.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.65   10.86   15     |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   5.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -2.66    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.542001 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2401.894 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2\_24032021\_104530.png

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

## 11. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 11:07:35                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

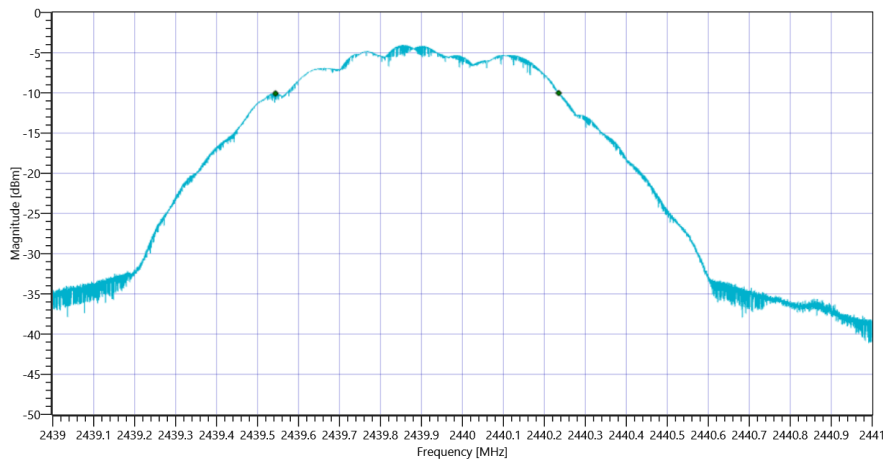
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.03   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 691      | kHz  | INFO    |



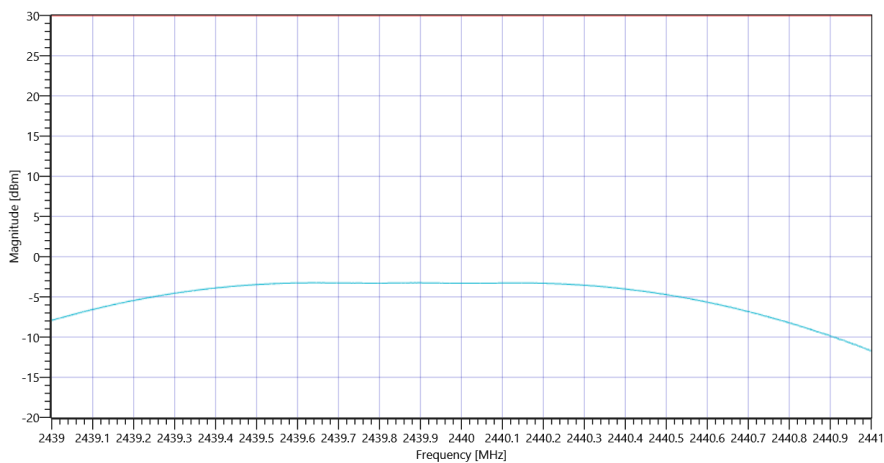
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2 DTS BW\_24032021\_110805.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.03   10.94   15     |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   5.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -3.25    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.473151 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2439.642 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2\_24032021\_110824.png

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

## 12. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2

| Test References                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| TC Start                          | 24.03.2021 11:29:32                                                 |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                             |
| System Version                    | 2.0.0.4                                                             |
| Test Specification                | FCC Part 15.247                                                     |
| Test Method                       | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth       |
| TC Version                        | 0.0.1                                                               |
| My Description                    | FCC 15.247 Maximum Peak Output Power Conducted 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

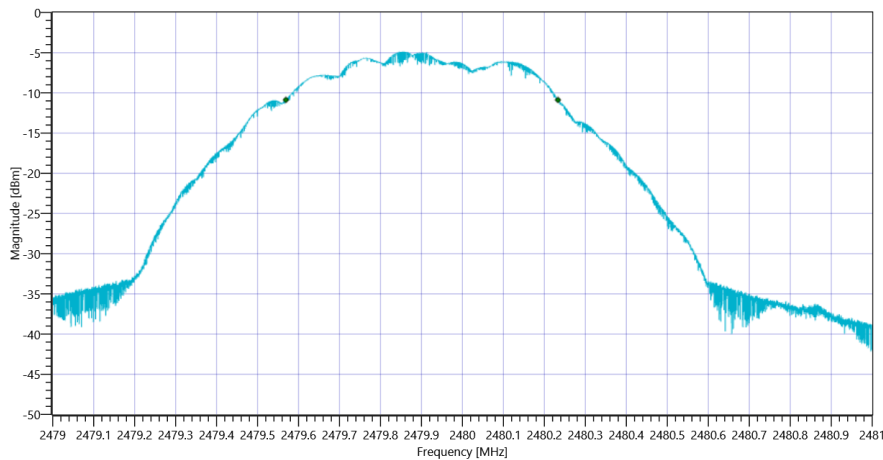
## Test at TX 2480 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.00   11   5          |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| Detector   TraceMode                                 | POS   MAXH             |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   10001   SWE |

### DTS Bandwidth

| Test Description    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---------------------|-------------|-------------|----------|------|---------|
| DTS Bandwidth (6dB) | ---         | ---         | 664      | kHz  | INFO    |



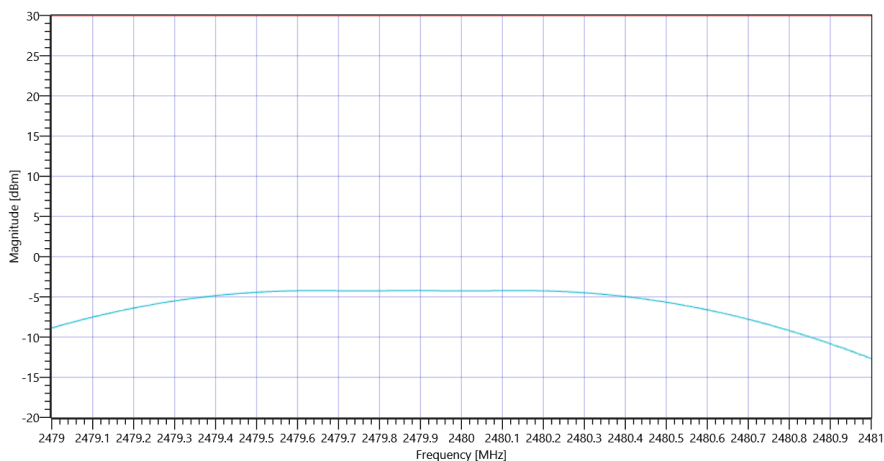
Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2 DTS BW\_24032021\_113002.png

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.00   11   10        |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 50   200   1001   SWE |

### RESULT

| Test Description  | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------|-------------|-------------|----------|------|---------|
| Peak Power        | ---         | 30.00       | -4.21    | dBm  | PASS    |
| Peak Power        | ---         | 1000        | 0.379315 | mW   | PASS    |
| Frequency at Peak | ---         | ---         | 2479.898 | MHz  | INFO    |



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ BT LE coded S2\_24032021\_113021.png

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

## 13. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 1 Msps

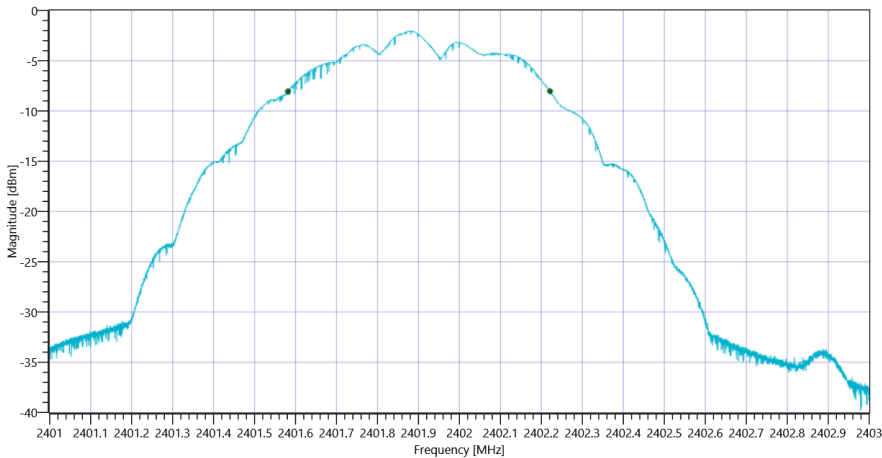
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 08:39:39                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.43   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 640      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 1 Msps\_24032021\_084008.png

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

## 14. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 1 Msps

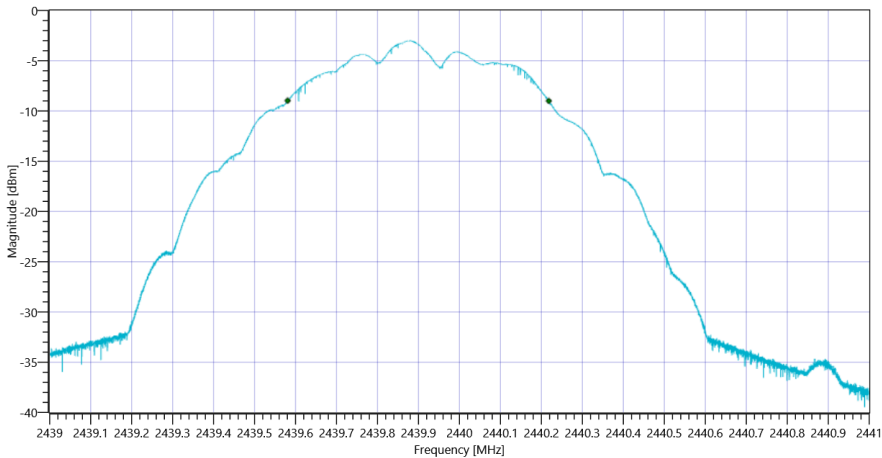
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 08:50:52                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |  |
|------------------------------------------------------|------------------------|--|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.61   10.94   10      |  |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |  |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |  |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 637      | kHz  | PASS    |



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

## 15. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 1 Msps

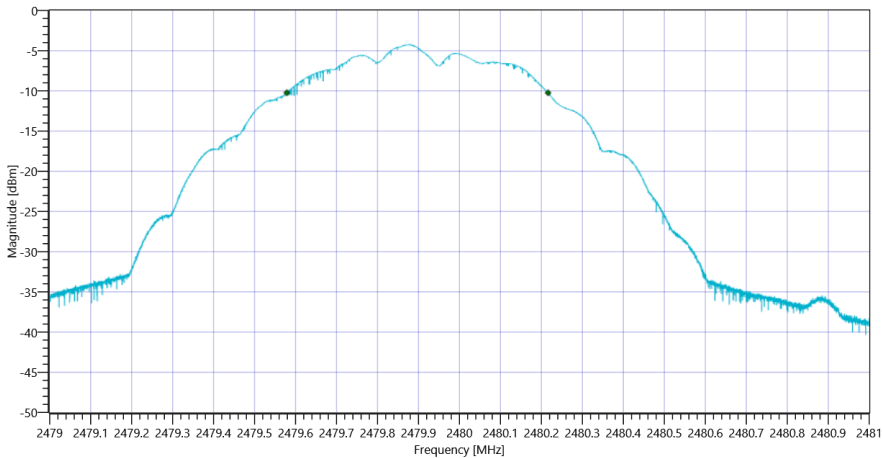
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 09:08:20                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.33   11   10         |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 638      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 1 Msps\_24032021\_090849.png

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

## 16. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 2 Msps

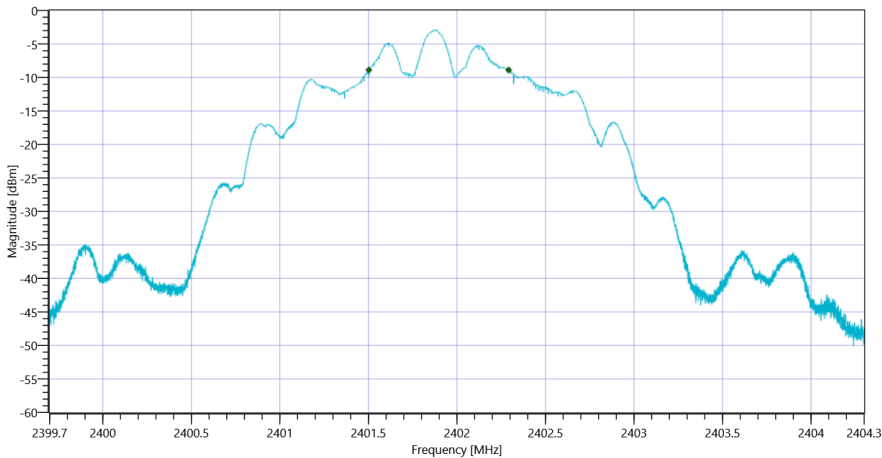
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 09:21:22                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.78   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2399.700   2404.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 790      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 2 Msps\_24032021\_092152.png

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

## 17. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 2 Msps

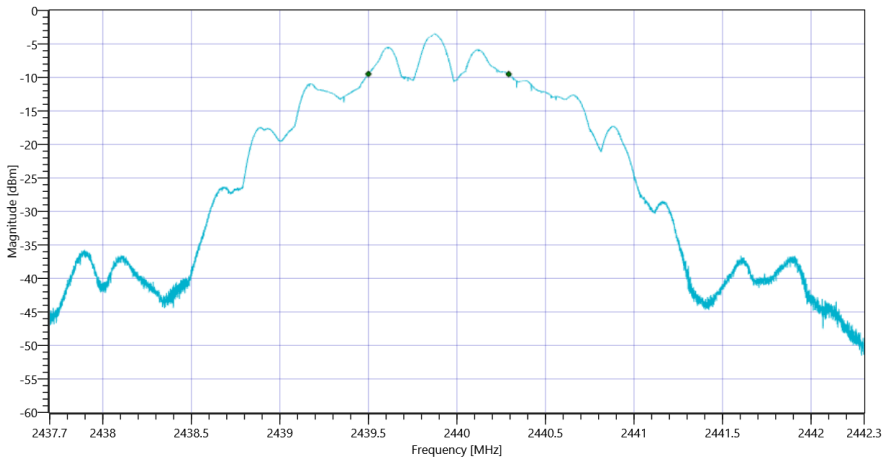
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 09:37:03                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.16   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2437.700   2442.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 793      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 2 Msps\_24032021\_093733.png

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

## 18. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE 2 Msps

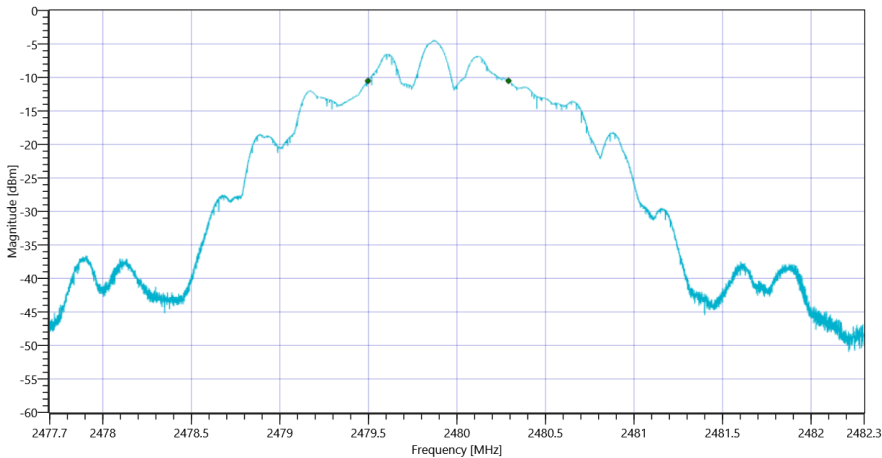
| Test References                   |                                             |
|-----------------------------------|---------------------------------------------|
| TC Start                          | 24.03.2021 09:55:39                         |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                     |
| System Version                    | 2.0.0.4                                     |
| Test Specification                | FCC Part 15.247                             |
| Test Method                       | 99                                          |
| TC Version                        | 0.0.1                                       |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.38   11   10         |
| Start [MHz]   Stop [MHz]                             | 2477.700   2482.300    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 794      | kHz  | PASS    |



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

## 19. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8

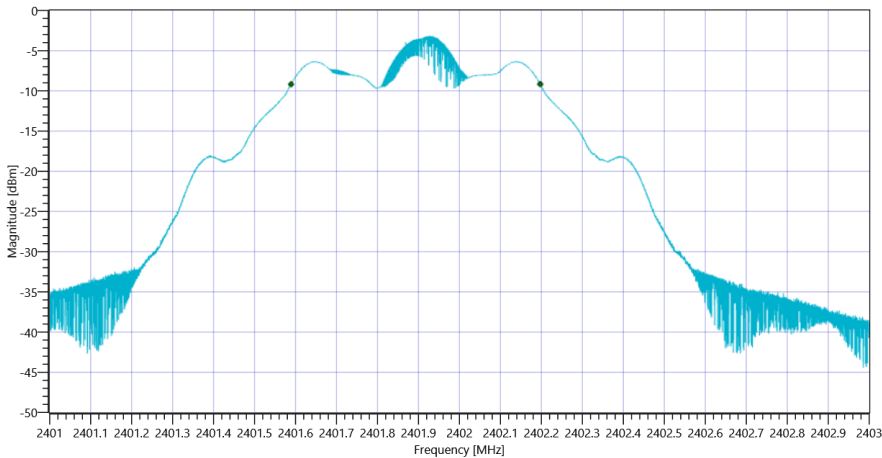
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 10:11:53                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.72   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 608      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8\_24032021\_101223.png

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

## 20. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8

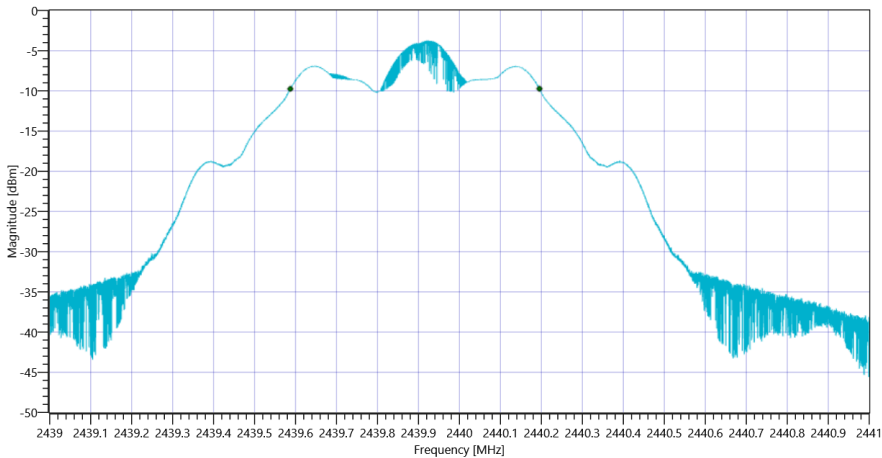
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 10:23:15                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.16   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 608      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8\_24032021\_102345.png

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

## 21. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8

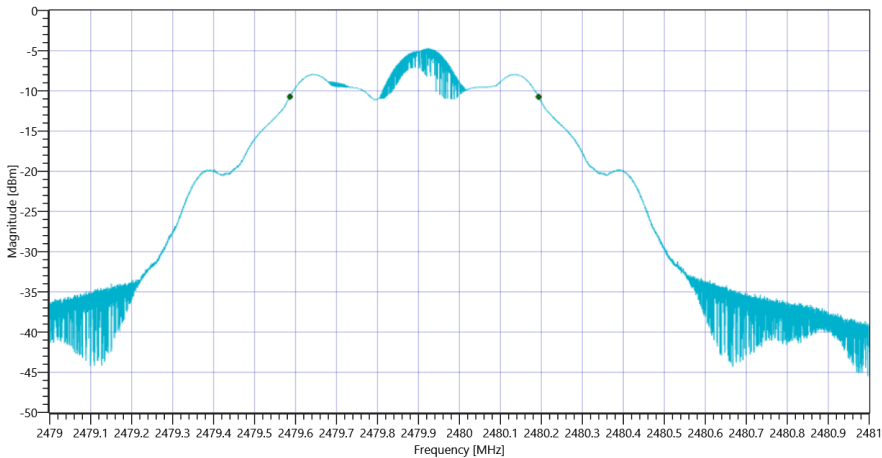
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 10:33:44                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.20   11   10         |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 607      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S8\_24032021\_103414.png

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

## 22. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2

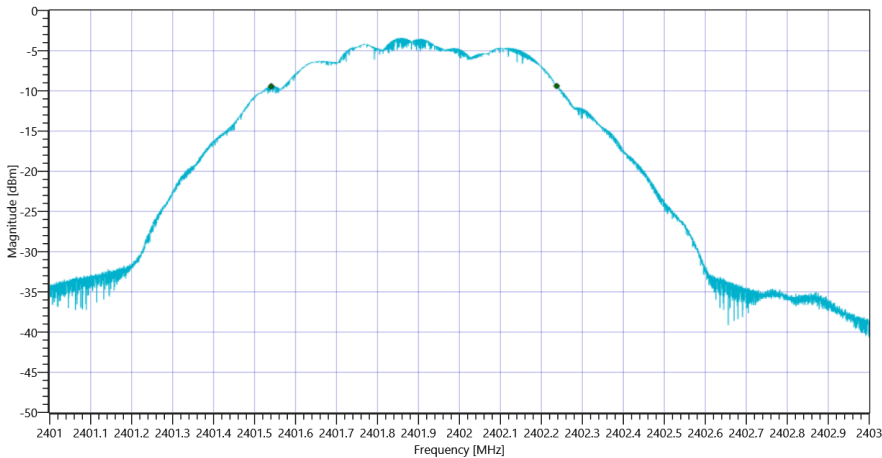
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 10:45:36                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.64   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 2401.000   2403.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 697      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2\_24032021\_104606.png

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

## 23. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2

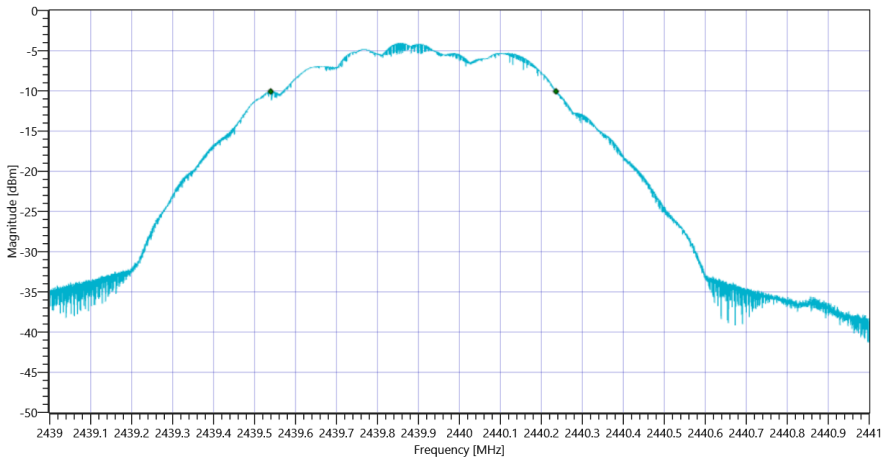
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 11:08:30                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |  |
|------------------------------------------------------|------------------------|--|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.10   10.94   10      |  |
| Start [MHz]   Stop [MHz]                             | 2439.000   2441.000    |  |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |  |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 696      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2\_24032021\_110900.png

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

## 24. FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2

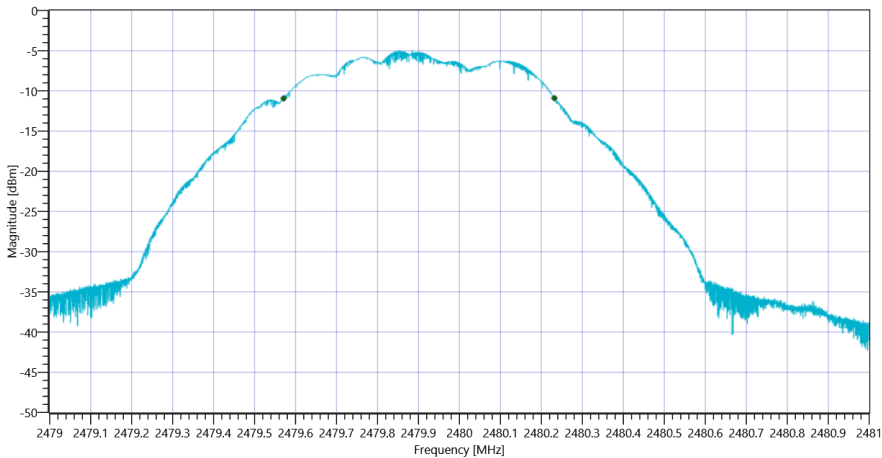
| Test References                   |                                               |
|-----------------------------------|-----------------------------------------------|
| TC Start                          | 24.03.2021 11:30:27                           |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                       |
| System Version                    | 2.0.0.4                                       |
| Test Specification                | FCC Part 15.247                               |
| Test Method                       | 99                                            |
| TC Version                        | 0.0.1                                         |
| My Description                    | FCC 15.247 Bandwidth 6dB 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.03   11   10         |
| Start [MHz]   Stop [MHz]                             | 2479.000   2481.000    |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000    |
| 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 |
| DTS Bandwidth (6dB) | 500         | ---         | 661      | kHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ BT LE coded S2\_24032021\_113057.png

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

## 25. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps

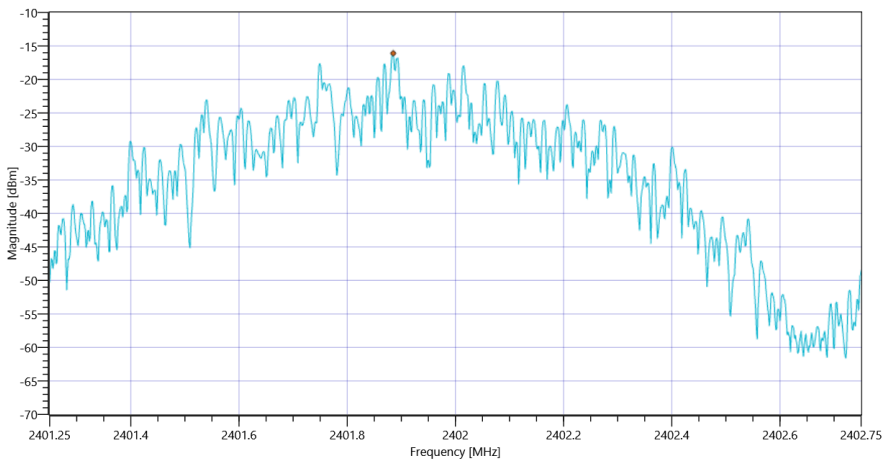
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 08:40:14                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.43   10.86   10      |
| 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           | -16.09   | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps\_24032021\_084052.png

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

## 26. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps

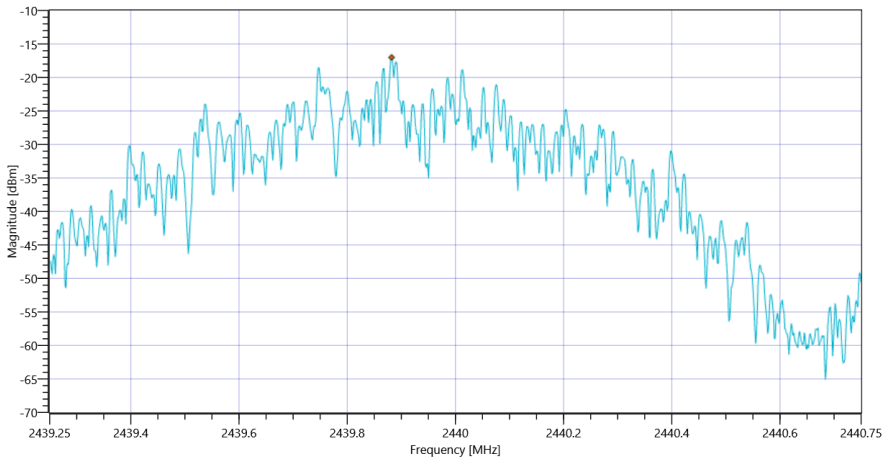
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 08:51:27                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.53   10.94   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           | -17      | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps\_24032021\_085206.png

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

## 27. FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps

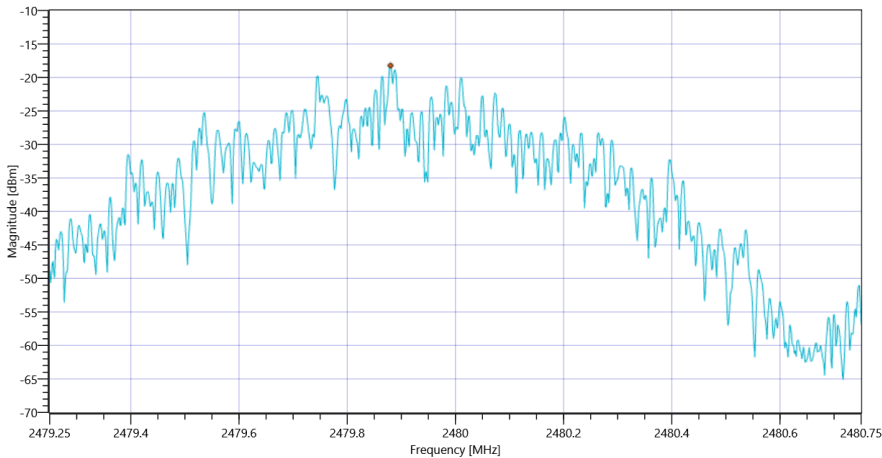
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:08:55                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.35   11   10         |
| 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           | -18.21   | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 1 Msps\_24032021\_090933.png

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

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

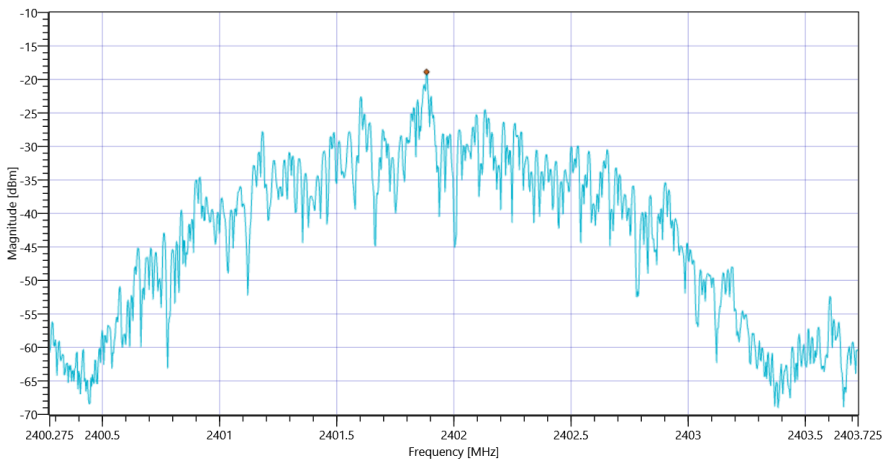
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:21:57                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.85   10.86   10      |
| 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           | -18.87   | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 2 Msps\_24032021\_092236.png

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

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

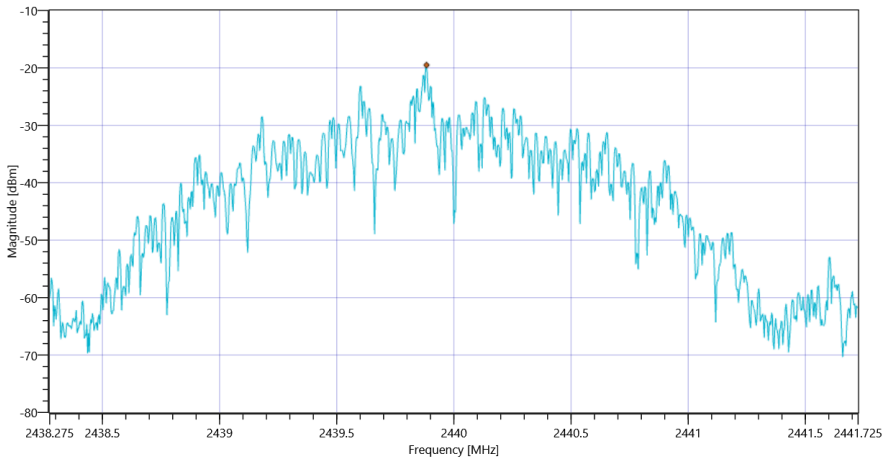
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:37:39                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.28   10.94   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           | -19.5    | dBm/3KHz | PASS    |



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

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

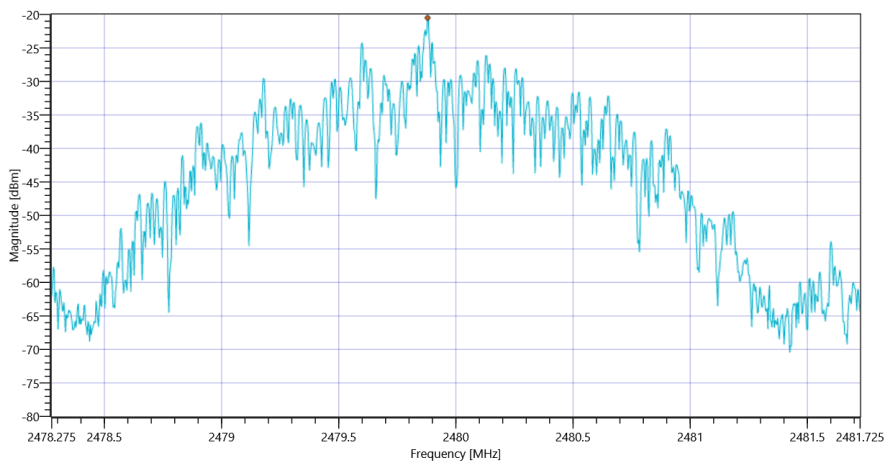
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 09:56:14                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.12   11   10         |
| 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           | -20.5    | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE 2 Msps\_24032021\_095653.png

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

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

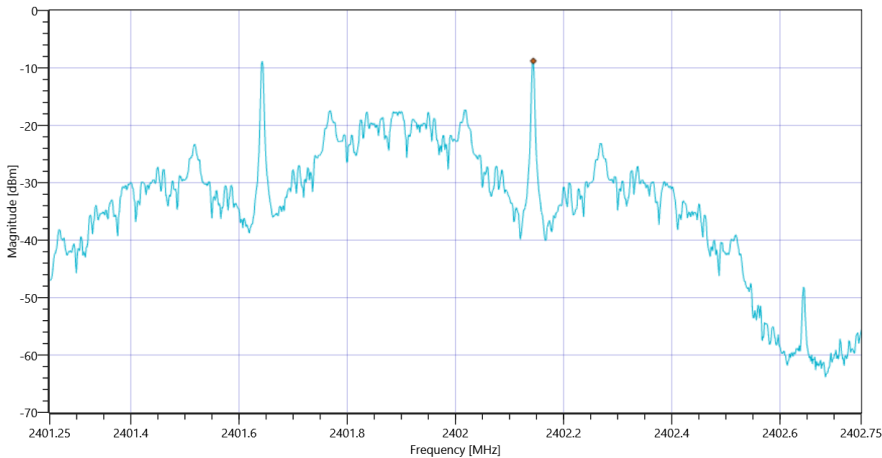
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:12:29                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.70   10.86   10      |
| 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           | -8.79    | dBm/3KHz | PASS    |



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

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

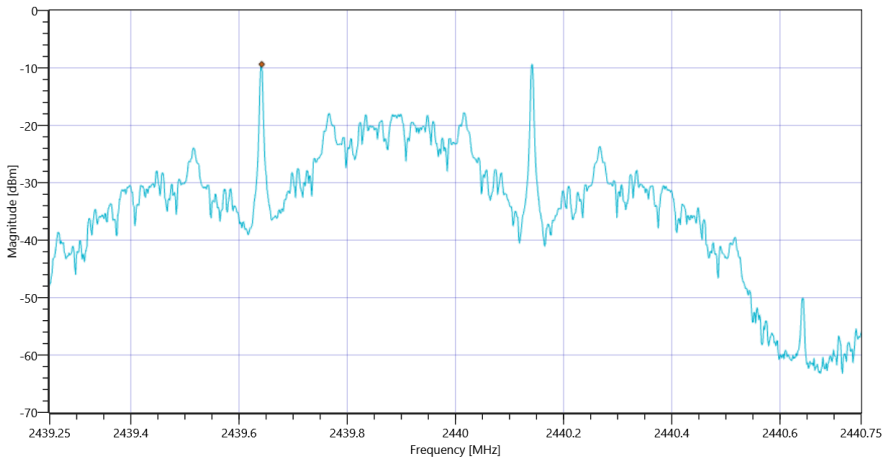
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:23:51                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.14   10.94   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           | -9.37    | dBm/3KHz | PASS    |



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

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

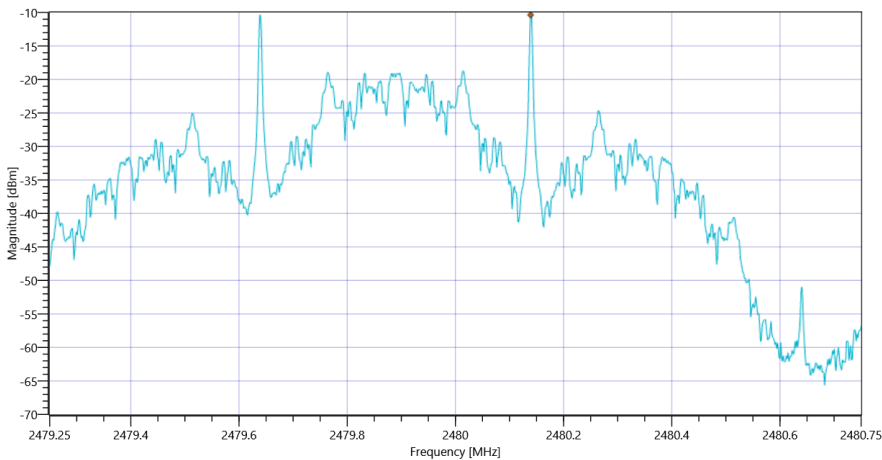
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:34:20                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.24   11   10         |
| 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           | -10.36   | dBm/3KHz | PASS    |



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

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

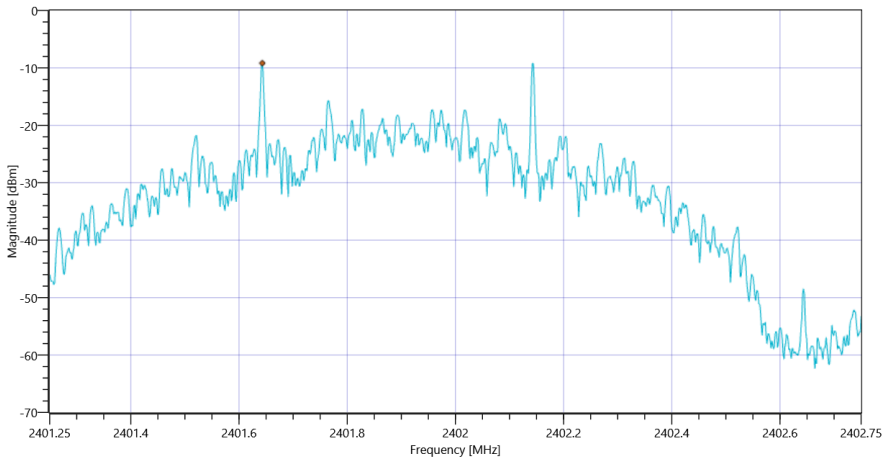
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 10:46:12                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2402 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.69   10.86   10      |
| 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           | -9.17    | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_24032021\_104651.png

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

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

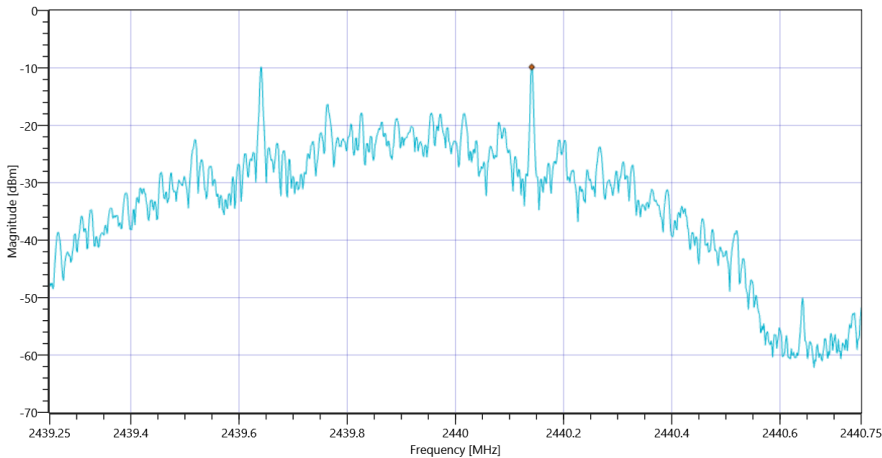
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 11:09:06                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2440 MHz

| READ SA SETTINGS:                                    |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.03   10.94   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           | -9.84    | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_24032021\_110945.png

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

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

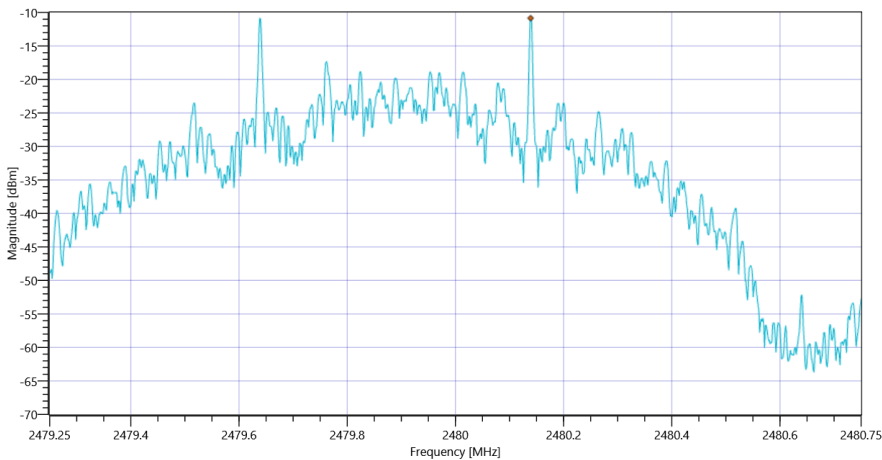
| Test References                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| TC Start                          | 24.03.2021 11:31:03                                                                                        |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                                                                                    |
| System Version                    | 2.0.0.4                                                                                                    |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

Test at TX 2480 MHz

|                                                      |                        |
|------------------------------------------------------|------------------------|
| READ SA SETTINGS:                                    |                        |
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.12   11   10         |
| 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           | -10.84   | dBm/3KHz | PASS    |



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ BT LE coded S2\_24032021\_113142.png

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

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

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 24.03.2021 08:40:58                                |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                            |
| System Version                    | 2.0.0.4                                            |
| 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

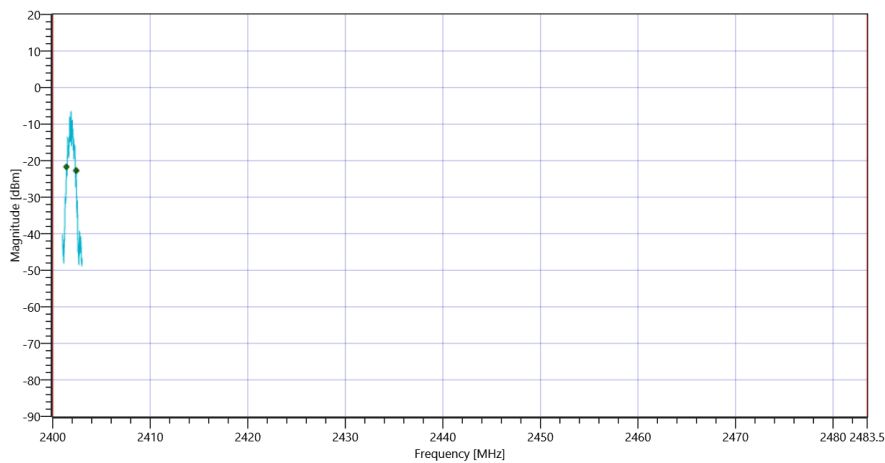
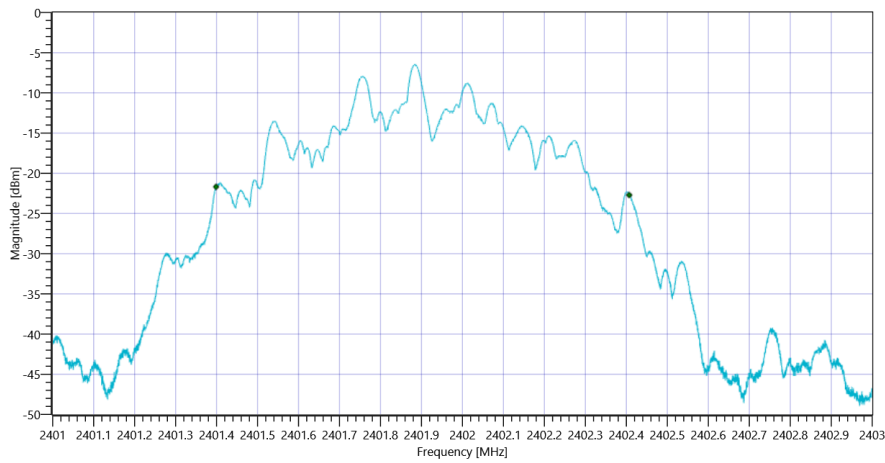
## Test at TX 2402 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.44   10.86   10      |
| 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 |

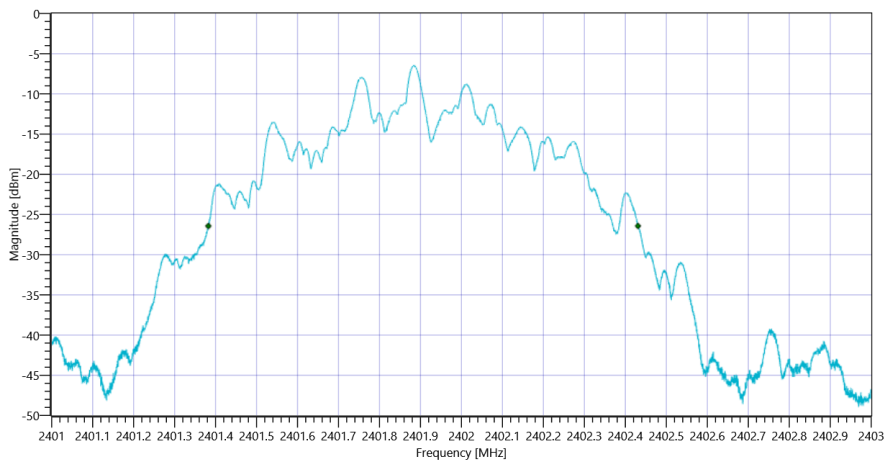
### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1008.299  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2401.3987 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2402.4070 | MHz  | PASS    |

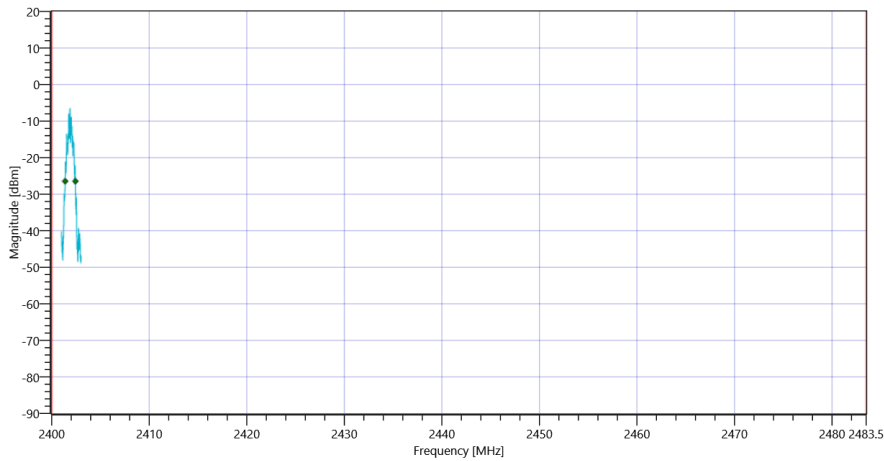


### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1048      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2401.3824 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2402.4306 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_24032021\_084143.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_24032021\_084150.png

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

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

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 24.03.2021 08:52:11                                |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                            |
| System Version                    | 2.0.0.4                                            |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

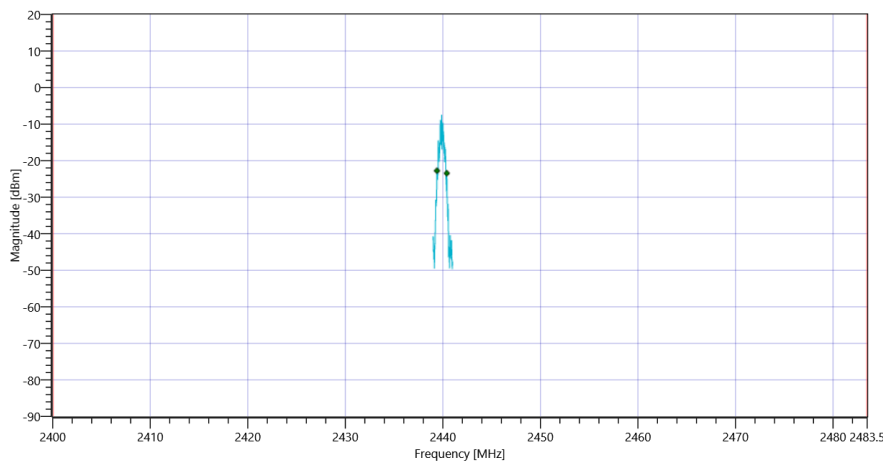
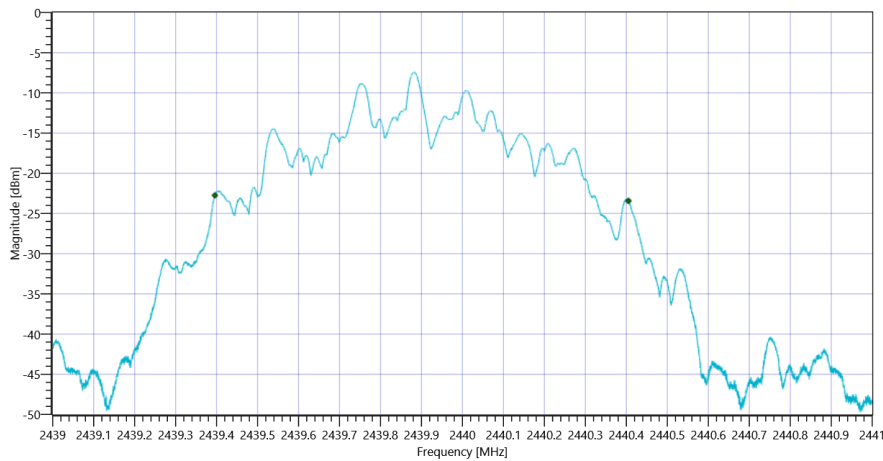
## Test at TX 2440 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.54   10.94   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 |

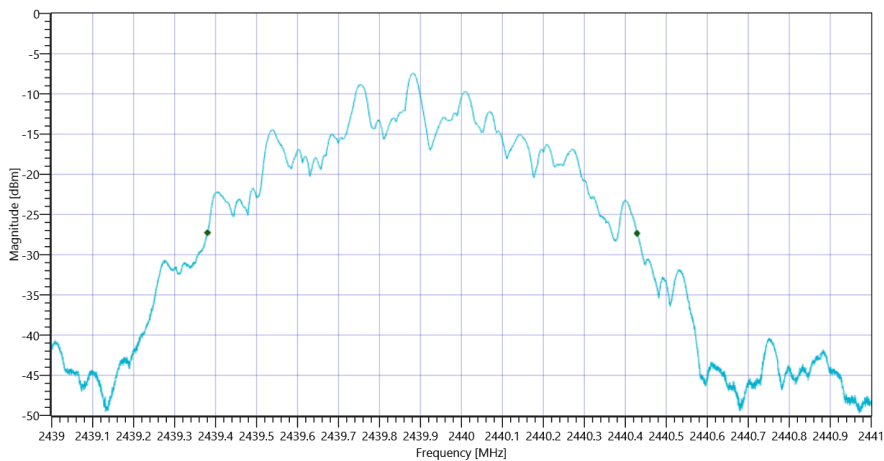
### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1009.099  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2439.3959 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2440.4050 | MHz  | PASS    |

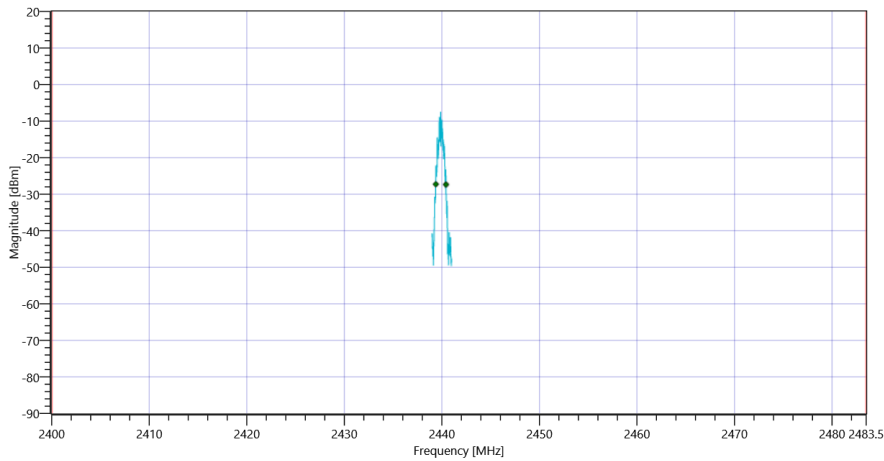


### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1048      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2439.3802 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2440.4284 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 20dB\_24032021\_085256.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_24032021\_085304.png

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

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

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 24.03.2021 09:09:39                                |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                            |
| System Version                    | 2.0.0.4                                            |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | True   Freq [MHz] 2480                            |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

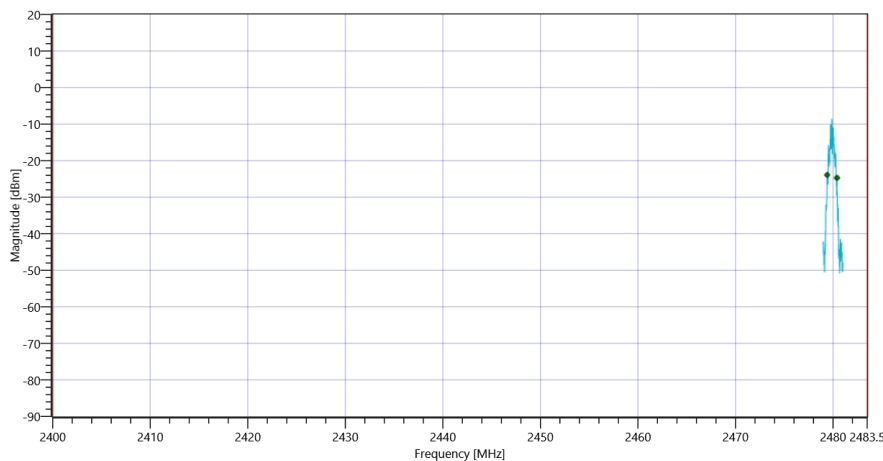
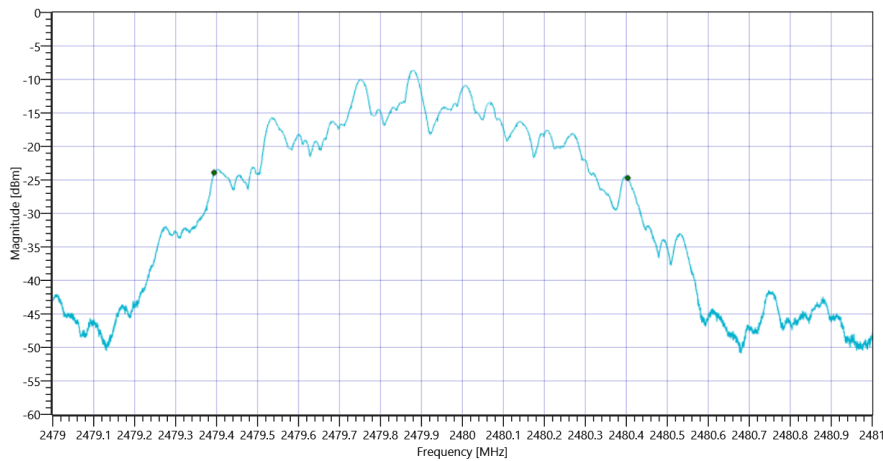
## Test at TX 2480 MHz

### READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.39   11   10         |
| 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 |

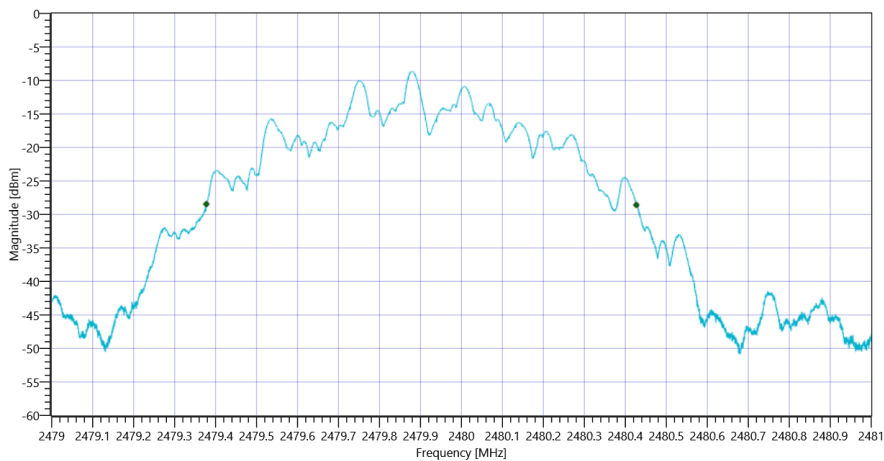
### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 1009.499  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2479.3939 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2480.4034 | MHz  | PASS    |

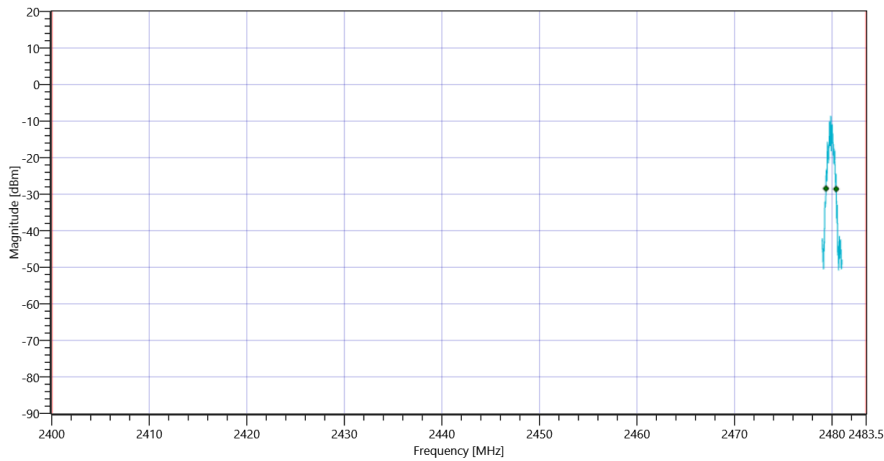


### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 1049      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2479.3774 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2480.4268 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps 20dB\_24032021\_091024.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 1 Msps\_24032021\_091032.png

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

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

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 24.03.2021 09:22:42                                |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                            |
| System Version                    | 2.0.0.4                                            |
| 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                            | False   Freq [MHz] 2440                           |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

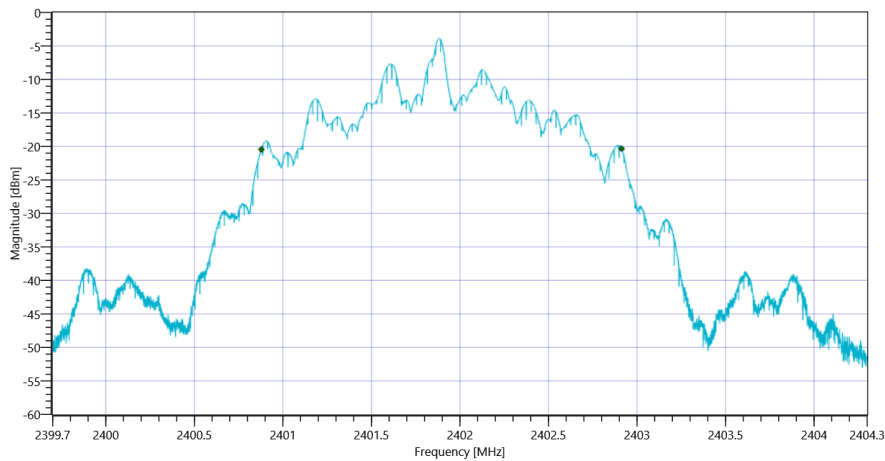
## Test at TX 2402 MHz

### READ SA SETTINGS:

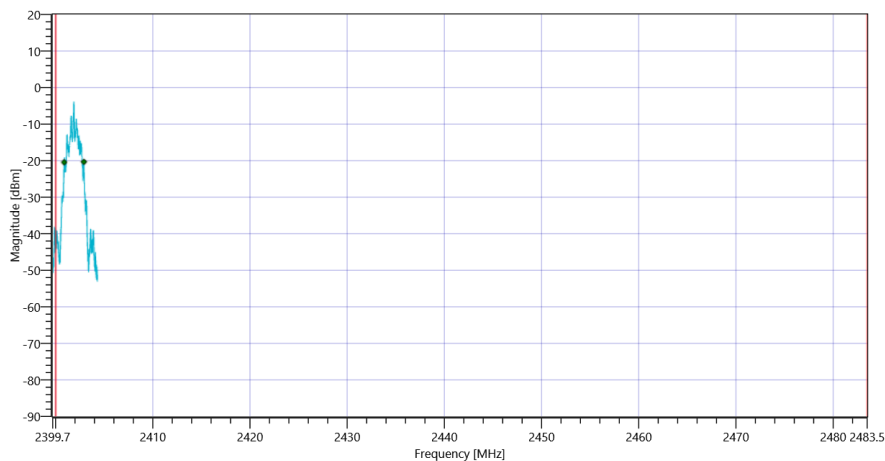
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.77   10.86   10      |
| Start [MHz]   Stop [MHz]                             | 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%    | ---         | ---         | 2034.377  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2400.8786 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2402.9130 | MHz  | PASS    |



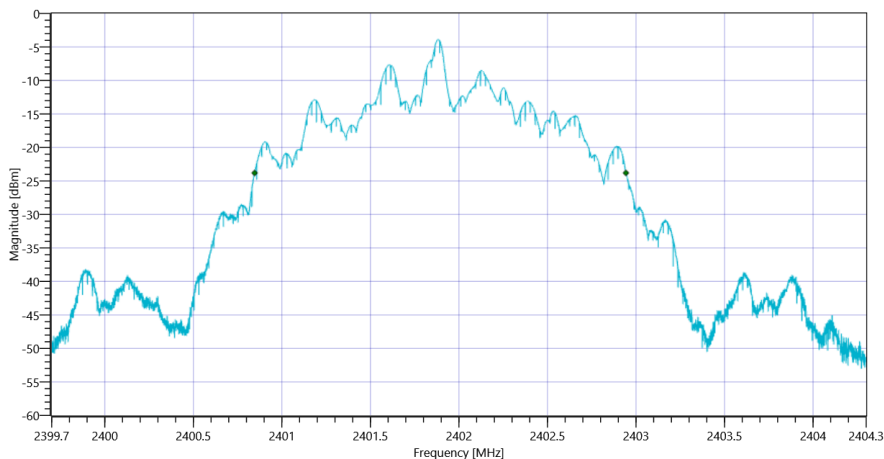
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 99PCT\_24032021\_092312.png



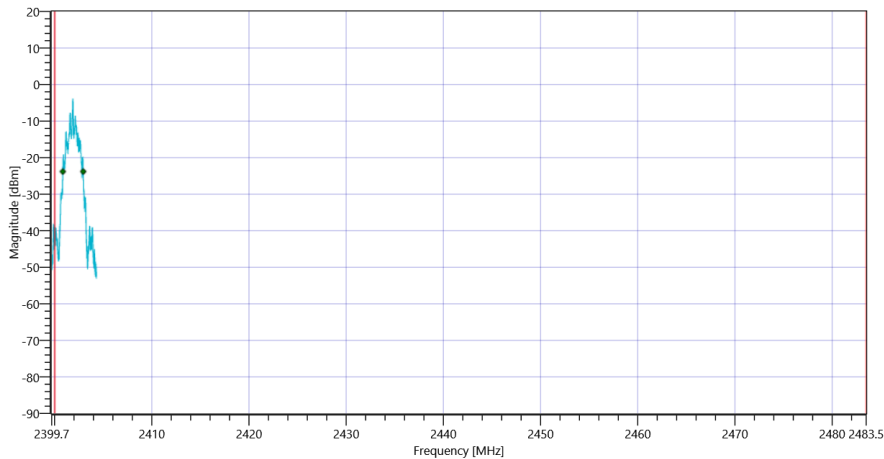
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_24032021\_092319.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 2097      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2400.8459 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2402.9430 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 20dB\_24032021\_092327.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_24032021\_092335.png

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

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

| Test References                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| TC Start                          | 24.03.2021 09:38:24                                |
| Ambit Temp [°C]   Humidity [rel%] | 0.0   0                                            |
| System Version                    | 2.0.0.4                                            |
| 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                            | False   Freq [MHz] 2402                           |
| Frequency mid to test                            | True   Freq [MHz] 2440                            |
| Frequency high to test                           | False   Freq [MHz] 2480                           |
| Auto Control enabled Power Supply   Climatic Box | No   No                                           |
| Additional Path Loss [dB]                        | 0.7                                               |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer            |
| Devices in use                                   | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |

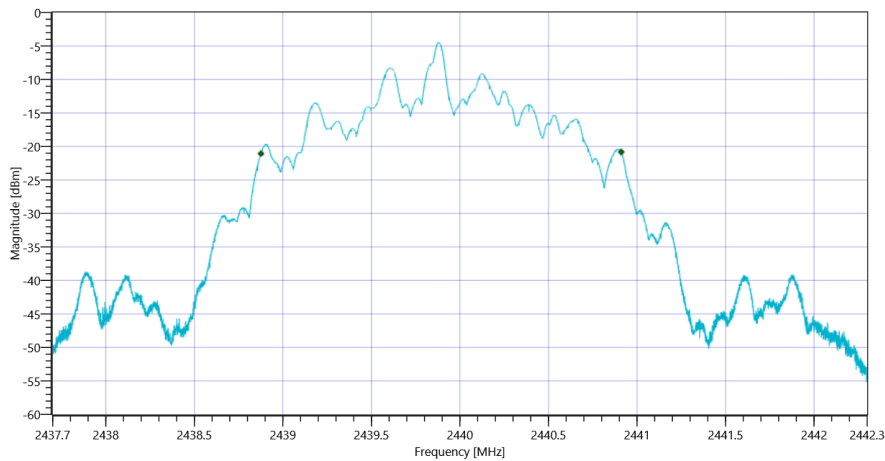
## Test at TX 2440 MHz

### READ SA SETTINGS:

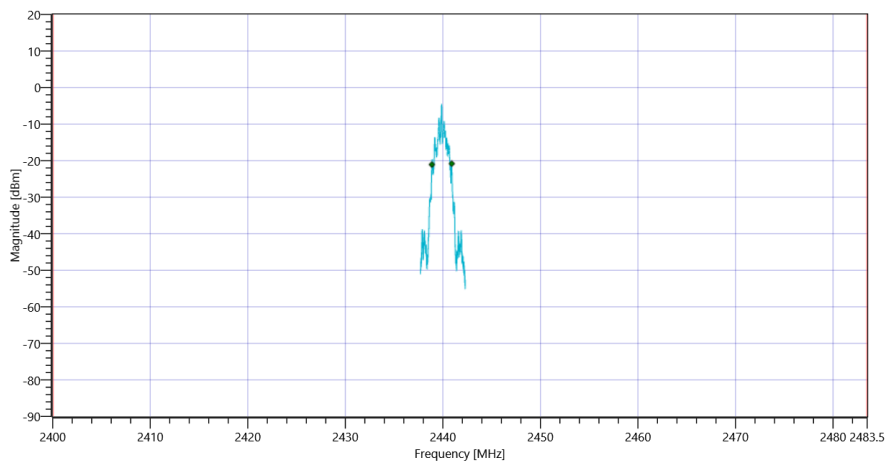
|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.23   10.94   10      |
| Start [MHz]   Stop [MHz]                             | 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%    | ---         | ---         | 2034.837  | kHz  | INFO    |
| T1 99%           | 2400.000000 | ---         | 2438.8763 | MHz  | PASS    |
| T2 99%           | ---         | 2483.500000 | 2440.9112 | MHz  | PASS    |



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps 99PCT\_24032021\_093854.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT LE 2 Msps\_24032021\_093901.png

### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 20dB   | ---         | ---         | 2099      | kHz  | INFO    |
| T1 20dB          | 2400.000000 | ---         | 2438.8431 | MHz  | PASS    |
| T2 20dB          | ---         | 2483.500000 | 2440.9416 | MHz  | PASS    |