

## Annex 1: Measurement diagrams 21-1-0143601T01a-A1-C1

|                                                         |                                                                                                                                                                                                                                                                                                                 |                        |               |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|
| <b>Number of pages:</b>                                 | 70                                                                                                                                                                                                                                                                                                              | <b>Date of Report:</b> | 2022-Jan-04   |
| <b>Testing company:</b>                                 | CETECOM GmbH<br>Im Teelbruch 116<br>45219 Essen Germany<br>Tel. + 49 (0) 20 54 / 95 19-0<br>Fax: + 49 (0) 20 54 / 95 19-150                                                                                                                                                                                     | <b>Applicant:</b>      | Husqvarna AB  |
| <b>Product:</b><br><b>Model:</b>                        | Robotic Mower BT<br>Application Board Type 2                                                                                                                                                                                                                                                                    |                        |               |
| <b>FCC ID:</b>                                          | ZASHQ-BLE-1F                                                                                                                                                                                                                                                                                                    | <b>IC:</b>             | 23307-HQBLE1F |
| <b>Testing has been carried out in accordance with:</b> | Title 47 CFR, Chapter I<br>FCC Regulations, Subchapter A<br>Subpart C: §15.247 (DTS) ,<br><br>RSS-247, Issue 2 (DTS)<br>RSS-Gen., Issue 5<br><br>Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".method and limit". |                        |               |

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1 Measurement diagrams

1.1 Radiated measurements

2.01a\_BLE\_low\_standing

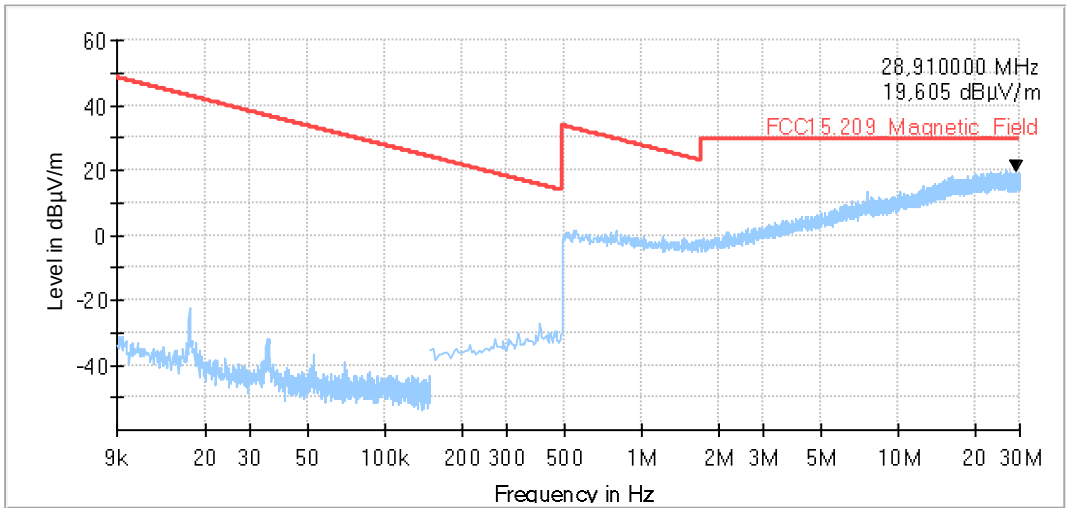
Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel low                                                             |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 2.01b\_BLE\_low\_laying

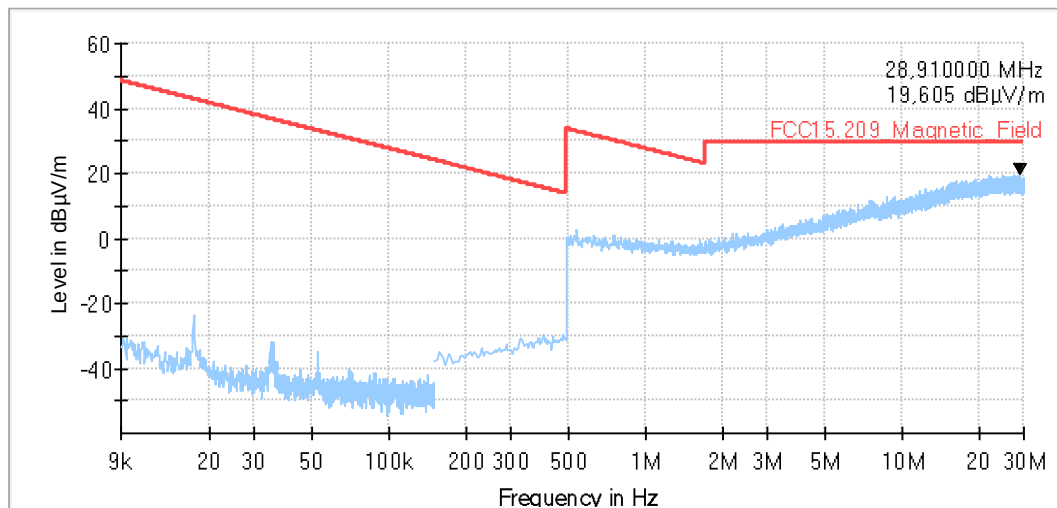
### Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel low                                                             |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 2.02a\_BLE\_mid\_standing

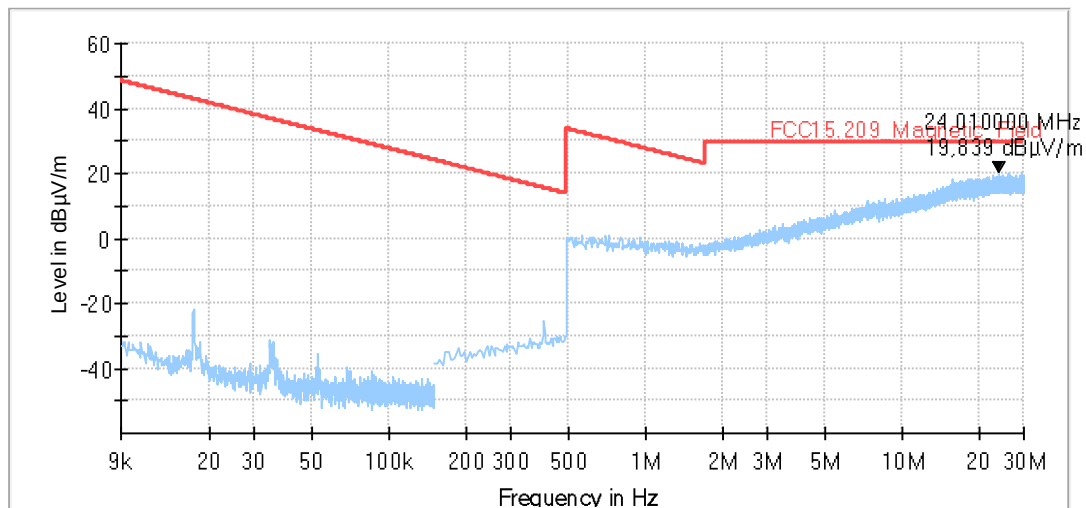
### Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel mid                                                             |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 2.02b\_BLE\_mid\_laying

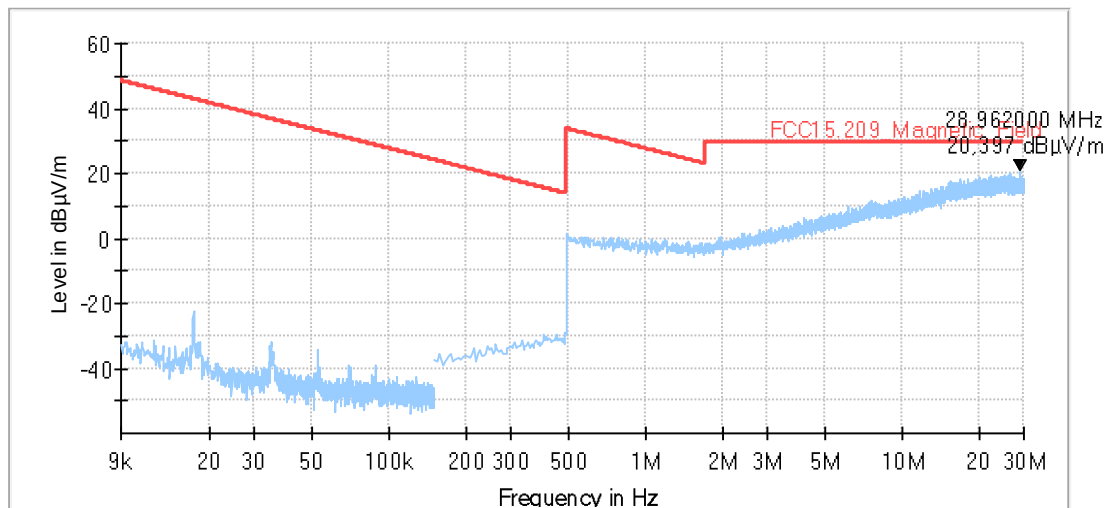
### Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel mid                                                             |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 2.03a\_BLE\_high\_standing

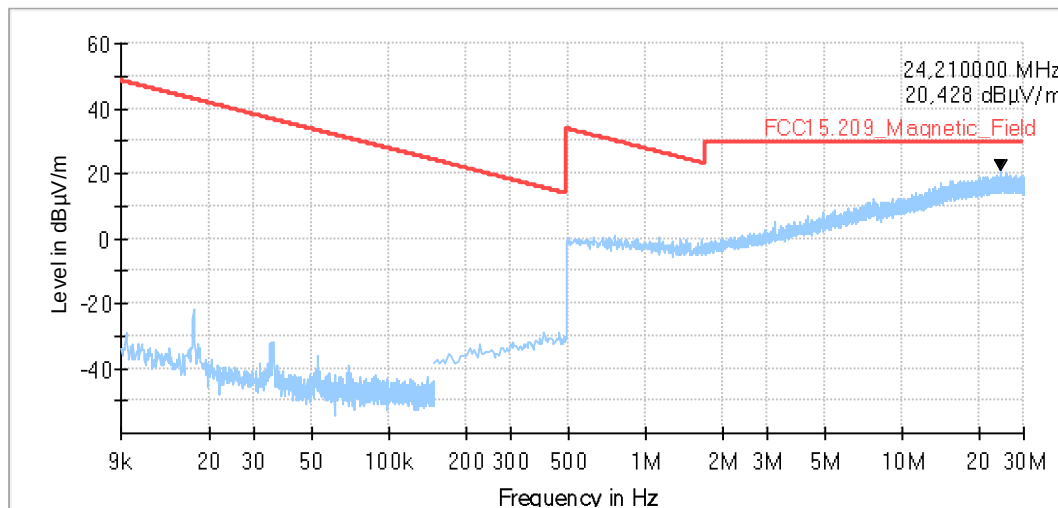
### Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel high                                                            |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 2.03b\_BLE\_high\_laying

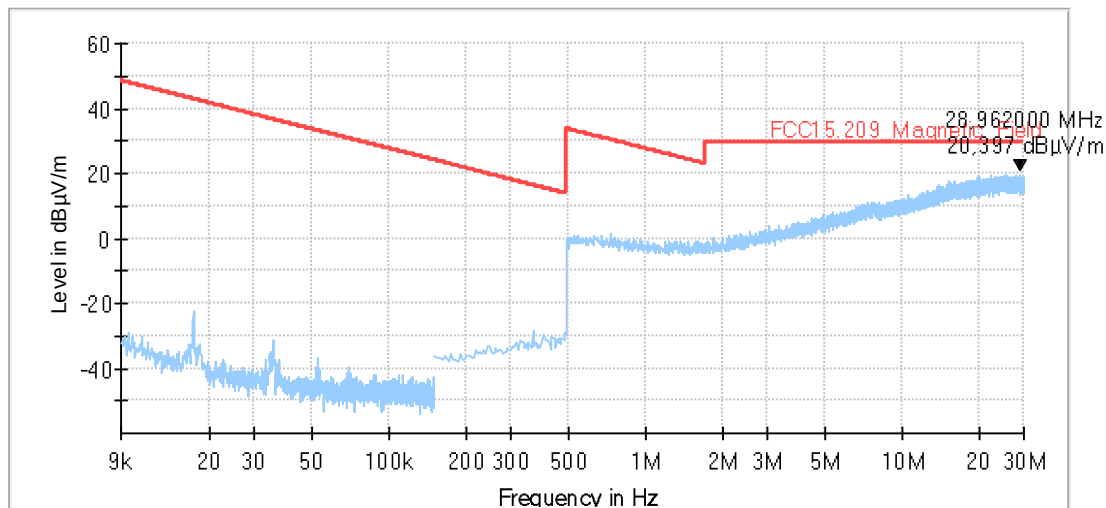
### Common Information

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Test Description:          | Magnetic Field Strength Measurement related to 30/300 m distance        |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V10.50.0                                                          |
| Distance correction:       | used accord. table, pls. see test report                                |
| Technical Data:            | Please see page 2 for detailed data of measurement setup                |
| Rec. antenna (pre-scan):   | height 1.00 m, parallel and 90° to EUT polarisation                     |
| Used Filter:               | bypass                                                                  |
| Test Standard:             | FCC 15.205 § 15.209; RSS-Gen: Issue 5                                   |
| Operator:                  | LKnopp/PMa                                                              |
| Operating Mode:            | 1                                                                       |
| Power during tests:        | 42 V DC                                                                 |
| Comment 1:                 | Channel high                                                            |
| Environmental Conditions:: | Humidity: 61 % rH; Temperature: 21 °C                                   |
| EUT Setup:                 | 1                                                                       |
| Verdict:                   | Passed                                                                  |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



## 3.01a\_BLE\_low\_standing

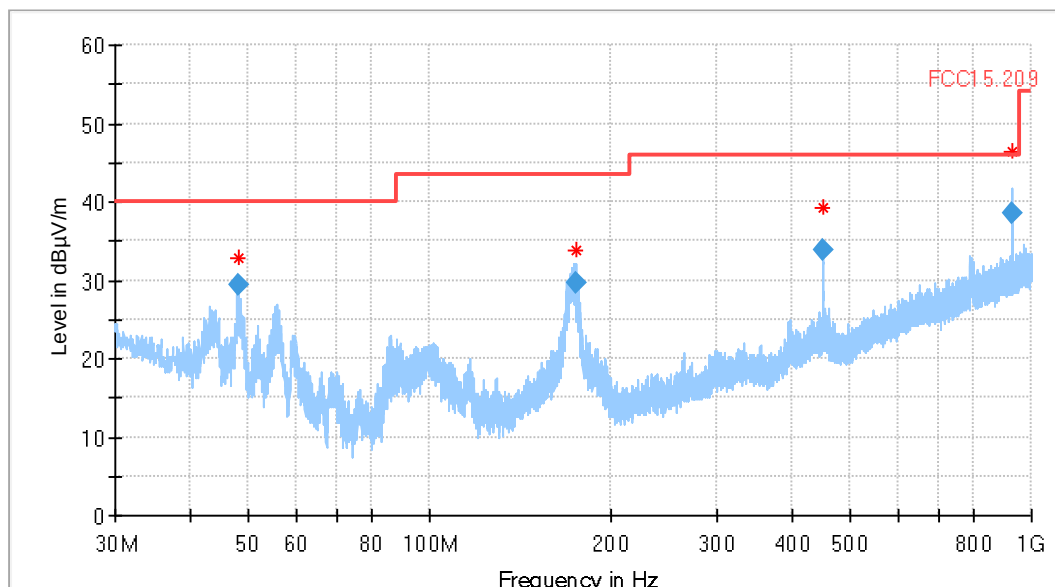
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5  
 Antenna polarisation: horizontal/vertical  
  
 Environmental Conditions: Humidity: 58 % rH; Temperature: 15 °C  
 Operator Name: HEI  
 EUT: Standing  
 Operating Mode: 1  
 Power supply: 42 V DC  
 Comment: Channel no. low  
 Verdict: Passed

### EUT Information

PMT number: 21-1-01436S03\_C01

Full Spectrum



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) | Trd Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|------------------|
| 48.175000       | 29.43              | 40.00          | 10.57       | 120.000         | 111.0       | V   | 98.0          | 13.6         | 0.0           | 0.7               | 12.9             |
| 174.715000      | 29.60              | 43.50          | 13.90       | 120.000         | 181.0       | H   | 0.0           | 10.4         | 0.0           | 1.2               | 9.2              |
| 450.063000      | 33.74              | 46.00          | 12.26       | 120.000         | 205.0       | H   | 153.0         | 19.3         | 0.0           | 2.2               | 17.1             |
| 928.405000      | 38.53              | 46.00          | 7.47        | 120.000         | 251.0       | V   | 107.0         | 27.0         | 0.0           | 3.4               | 23.6             |

## 3.01b\_BLE\_low\_laying

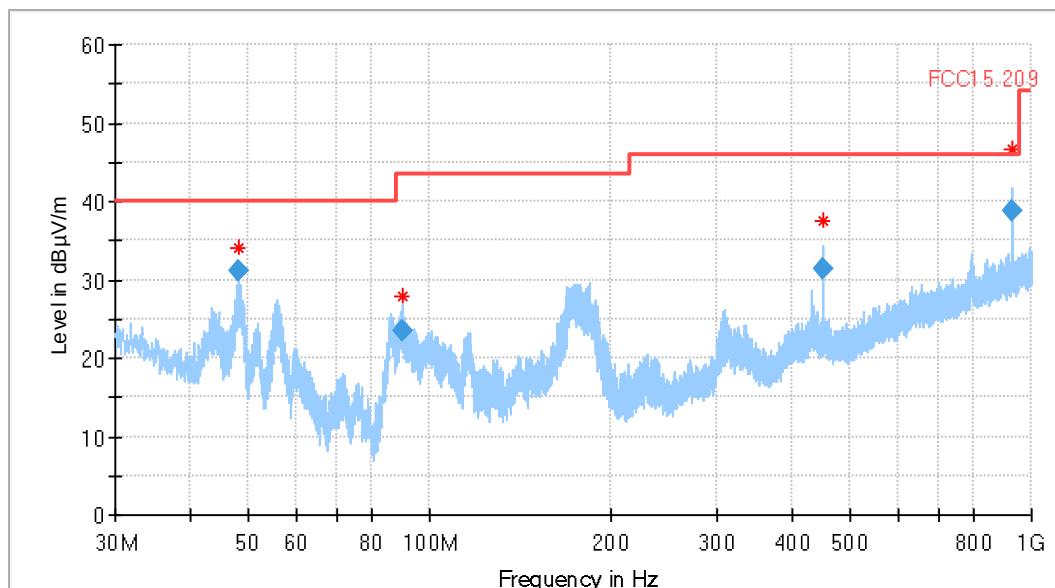
### Common Information

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Test Description:          | Radiated field strength emission in 3m distance |
| Test Site:                 | CETECOM GmbH Essen                              |
| Test Standard:             | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation:      | horizontal/vertical                             |
| Environmental Conditions:: | Humidity: 58 % rH; Temperature: 15 °C           |
| Operator Name:             | HEI                                             |
| EUT:                       | Laying                                          |
| Operating Mode:            | 1                                               |
| Power supply:              | 42 V DC                                         |
| Comment:                   | Channel no. low                                 |
| Verdict:                   | Passed                                          |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) | Trd Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|------------------|
| 48.185000       | 31.02              | 40.00          | 8.98        | 120.000         | 105.0       | V   | 34.0          | 13.6         | 0.0           | 0.7               | 12.9             |
| 90.005000       | 23.37              | 43.50          | 20.13       | 120.000         | 112.0       | V   | 168.0         | 8.2          | 0.0           | 0.9               | 7.3              |
| 450.115000      | 31.30              | 46.00          | 14.70       | 120.000         | 181.0       | H   | 183.0         | 19.3         | 0.0           | 2.2               | 17.1             |
| 928.405000      | 38.76              | 46.00          | 7.24        | 120.000         | 243.0       | V   | 150.0         | 27.0         | 0.0           | 3.4               | 23.6             |

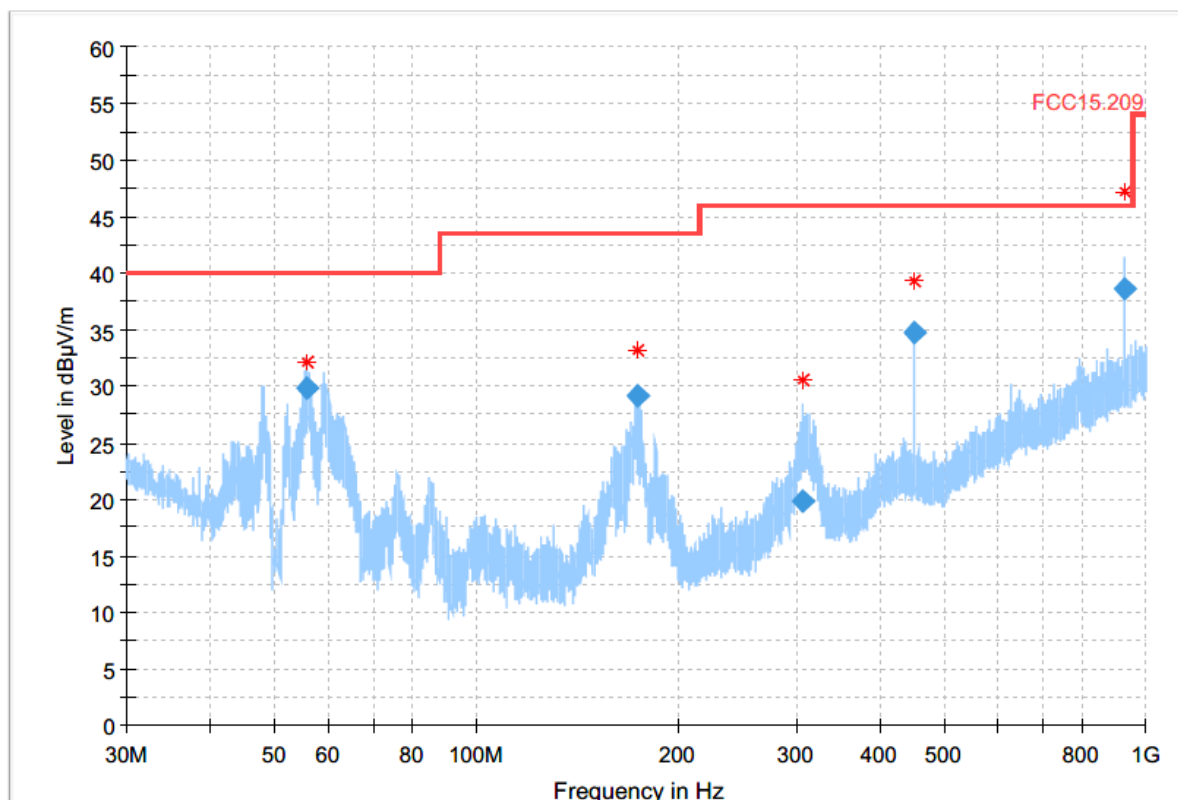
## 3.02a\_BLE\_mid\_standing

### Common Information

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance |
| Test Site:                | CETECOM GmbH Essen                              |
| Test Standard:            | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation:     | horizontal/vertical                             |
| Environmental Conditions: | Humidity : 58 % rH; Temperature: 15 °C          |
| Operator Name:            | HEI                                             |
| EUT:                      | Standing                                        |
| Operating Mode:           | 1                                               |
| Power supply:             | 42 V DC                                         |
| Comment:                  | Channel no. mid                                 |
| Verdict:                  | Passed                                          |

### Full Spectrum

Full Spectrum



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) | Trd Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|------------------|
| 55.829000       | 29.80              | 40.00          | 10.20       | 120.000         | 105.0       | V   | 117.0         | 10.8         | 0.0           | 0.7               | 10.1             |
| 173.485000      | 29.11              | 43.50          | 14.39       | 120.000         | 138.0       | H   | 345.0         | 10.4         | 0.0           | 1.3               | 9.1              |
| 307.945000      | 19.86              | 46.00          | 26.14       | 120.000         | 100.0       | H   | 11.0          | 15.5         | 0.0           | 1.8               | 13.7             |
| 450.089000      | 34.66              | 46.00          | 11.34       | 120.000         | 186.0       | H   | 174.0         | 19.3         | 0.0           | 2.2               | 17.1             |
| 928.385000      | 38.63              | 46.00          | 7.37        | 120.000         | 138.0       | H   | 292.0         | 27.0         | 0.0           | 3.4               | 23.6             |

## 3.02b\_BLE\_mid\_laying

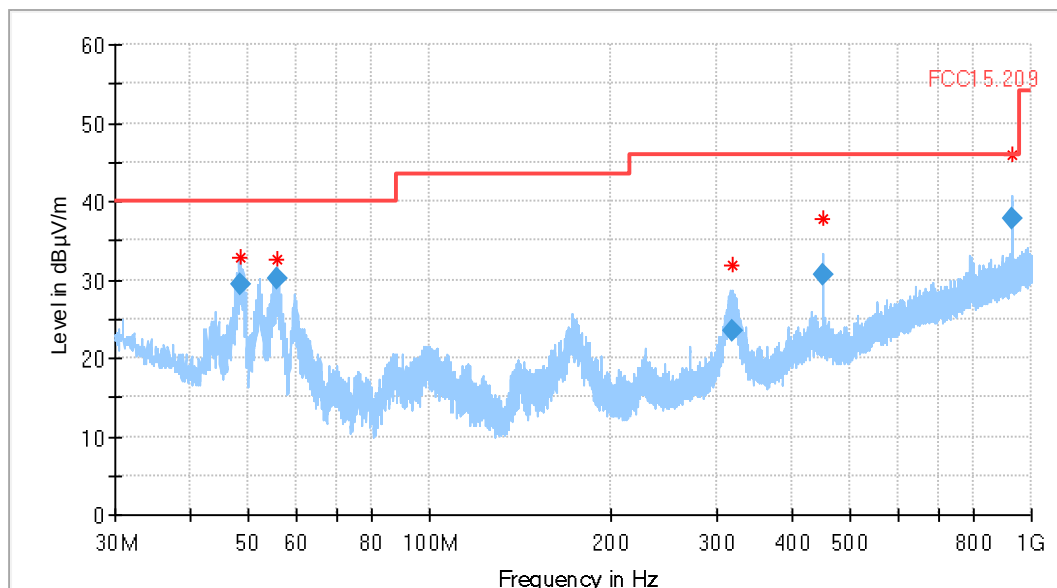
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5  
 Antenna polarisation: horizontal/vertical  
  
 Environmental Conditions: Humidity : 58 % rH; Temperature: 15 °C  
 Operator Name: HEI  
 EUT: Laying  
 Operating Mode: 1  
 Power supply: 42 V DC  
 Comment: Channel no. mid  
 Verdict: Passed

### EUT Information

PMT number: 21-1-01436S03\_C01

Full Spectrum



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) | Trd Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|------------------|
| 48.569000       | 29.50              | 40.00          | 10.50       | 120.000         | 109.0       | V   | 343.0         | 13.4         | 0.0           | 0.6               | 12.8             |
| 55.803000       | 30.18              | 40.00          | 9.82        | 120.000         | 111.0       | V   | 62.0          | 10.8         | 0.0           | 0.7               | 10.1             |
| 317.883000      | 23.57              | 46.00          | 22.43       | 120.000         | 100.0       | H   | 159.0         | 15.8         | 0.0           | 1.8               | 14.0             |
| 450.065000      | 30.65              | 46.00          | 15.35       | 120.000         | 118.0       | V   | 60.0          | 19.3         | 0.0           | 2.2               | 17.1             |
| 928.469000      | 37.85              | 46.00          | 8.15        | 120.000         | 337.0       | H   | 47.0          | 27.0         | 0.0           | 3.4               | 23.6             |

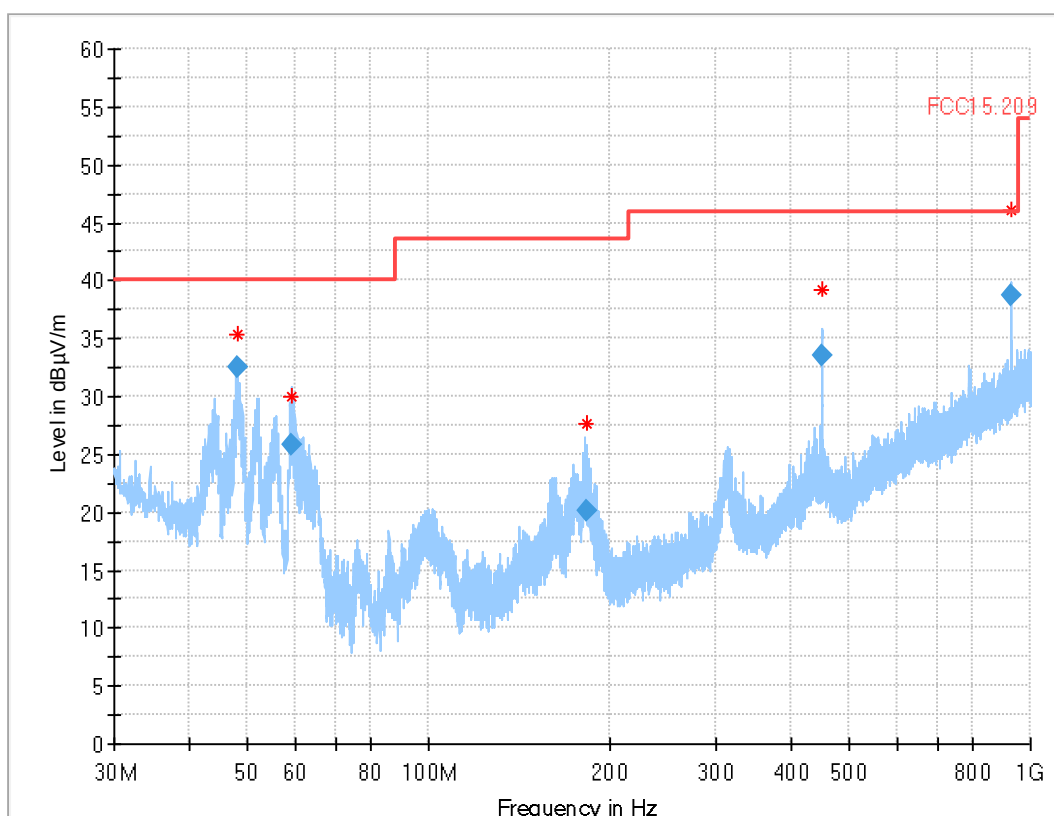
## 3.03a\_BLE\_high\_standing

### Common Information

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance |
| Test Site:                | CETECOM GmbH Essen                              |
| Test Standard:            | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation:     | horizontal/vertical                             |
| Environmental Conditions: | Humidity : 58 % rH; Temperature: 15 °C          |
| Operator Name:            | HEI                                             |
| EUT:                      | Standing                                        |
| Operating Mode:           | 1                                               |
| Power supply:             | 42 V DC                                         |
| Comment:                  | Channel no. high                                |
| Verdict:                  | Passed                                          |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

**Final\_Result**

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) | Trd Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|------------------|
| 48.185000       | 32.54              | 40.00          | 7.46        | 120.000         | 109.0       | V   | 81.0          | 13.6         | 0.0           | 0.7               | 12.9             |
| 59.015000       | 25.85              | 40.00          | 14.15       | 120.000         | 207.0       | V   | 91.0          | 9.3          | 0.0           | 0.7               | 8.6              |
| 183.543000      | 20.10              | 43.50          | 23.40       | 120.000         | 159.0       | H   | 15.0          | 11.0         | 0.0           | 1.3               | 9.7              |
| 449.999000      | 33.55              | 46.00          | 12.45       | 120.000         | 174.0       | H   | 150.0         | 19.3         | 0.0           | 2.2               | 17.1             |
| 928.385000      | 38.76              | 46.00          | 7.24        | 120.000         | 332.0       | V   | 201.0         | 27.0         | 0.0           | 3.4               | 23.6             |

## 3.03b\_BLE\_high\_laying

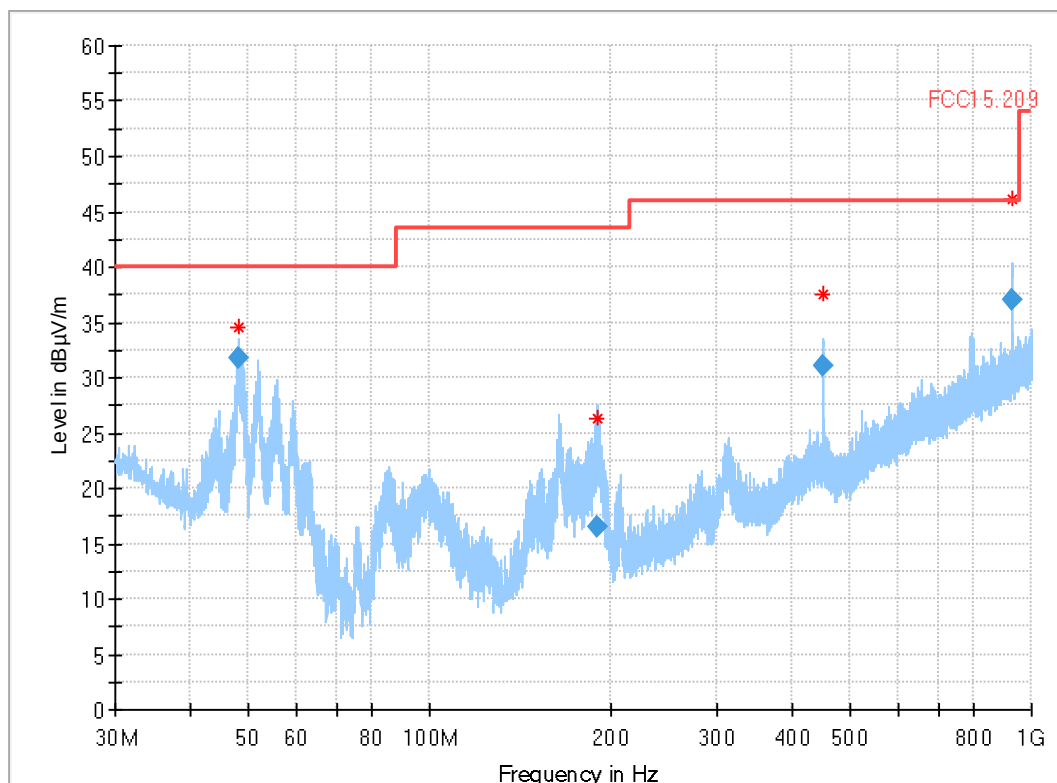
### Common Information

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance |
| Test Site:                | CETECOM GmbH Essen                              |
| Test Standard:            | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation:     | horizontal/vertical                             |
| Environmental Conditions: | Humidity : 58 % rH; Temperature: 15 °C          |
| Operator Name:            | HEI                                             |
| EUT:                      | Standing                                        |
| Operating Mode:           | 1                                               |
| Power supply:             | 42 V DC                                         |
| Comment:                  | Channel no. high                                |
| Verdict:                  | Passed                                          |

### EUT Information

PMT number: 21-1-01436S03\_C01

Full Spectrum



Remark: The peak at 928 MHz is known external disturbance and does not come from EUT.

**Final\_Result**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Bandwidth<br>(kHz) | Height<br>(cm) | Pol | Azimuth<br>(deg) | Corr.<br>(dB/m) | Sig Path<br>(dB) | Preamplifier<br>(dB) | Trd Corr.<br>(dB/m) |
|--------------------|-----------------------|-------------------|----------------|--------------------|----------------|-----|------------------|-----------------|------------------|----------------------|---------------------|
| 48.183000          | 31.79                 | 40.00             | 8.21           | 120.000            | 109.0          | V   | 112.0            | 13.6            | 0.0              | 0.7                  | 12.9                |
| 189.959000         | 16.54                 | 43.50             | 26.96          | 120.000            | 269.0          | V   | 286.0            | 11.4            | 0.0              | 1.3                  | 10.1                |
| 449.973000         | 31.05                 | 46.00             | 14.95          | 120.000            | 205.0          | H   | 166.0            | 19.3            | 0.0              | 2.2                  | 17.1                |
| 928.383000         | 36.98                 | 46.00             | 9.02           | 120.000            | 360.0          | V   | 22.0             | 27.0            | 0.0              | 3.4                  | 23.6                |

## 3.04a\_BLE\_low\_standing

### Common Information

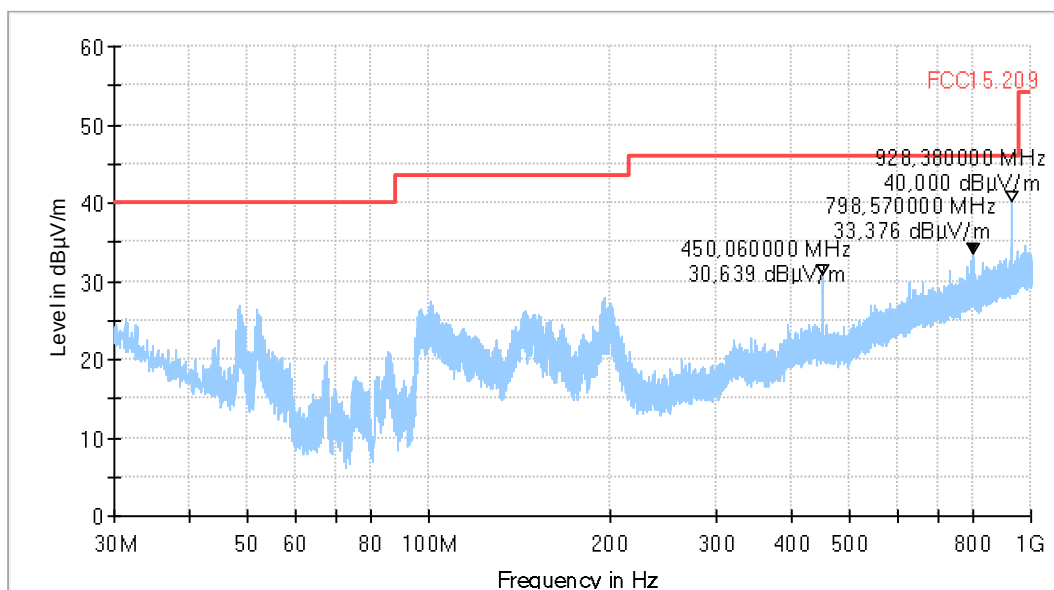
|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Test Description:     | Radiated field strength emission in 3m distance |
| Test Site:            | CETECOM GmbH Essen                              |
| Test Standard:        | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation: | horizontal/vertical                             |

|                            |                                        |
|----------------------------|----------------------------------------|
| Environmental Conditions:: | Humidity : 61 % rH; Temperature: 21 °C |
| Operator Name:             | LKnopp/NPe                             |
| EUT:                       | Standing                               |
| Operating Mode:            | 2                                      |
| Set-up no.                 | 1                                      |
| Power supply:              | 42 V DC                                |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



Remark: The peaks at 798 and 928 MHz are known external disturbances and do not come from EUT.

## 3.04b\_BLE\_low\_laying

### Common Information

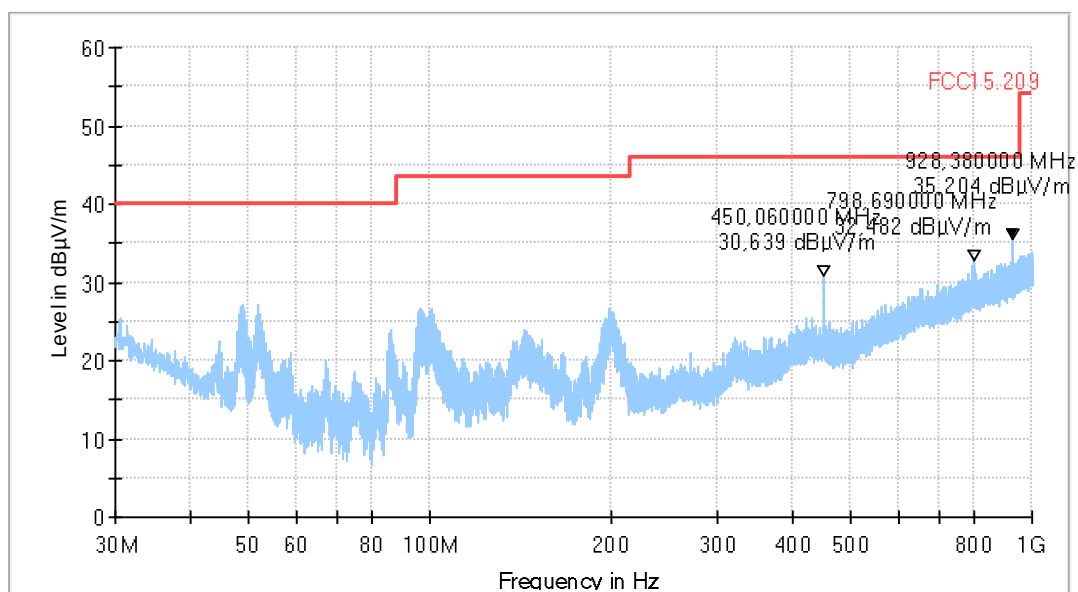
|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Test Description:     | Radiated field strength emission in 3m distance |
| Test Site:            | CETECOM GmbH Essen                              |
| Test Standard:        | FCC 15.205&15.209 & RSS Gen. Issue 5            |
| Antenna polarisation: | horizontal/vertical                             |

|                            |                                        |
|----------------------------|----------------------------------------|
| Environmental Conditions:: | Humidity : 61 % rH; Temperature: 21 °C |
| Operator Name:             | LKnopp/NPe                             |
| EUT:                       | Laying                                 |
| Operating Mode:            | 2                                      |
| Set-up no.                 | 1                                      |
| Power supply:              | 42 V DC                                |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|-------------|-------------------|

Full Spectrum



Remark: The peaks at 798 and 928 MHz are known external disturbances and do not come from EUT.

## 4.01a\_BLE\_low

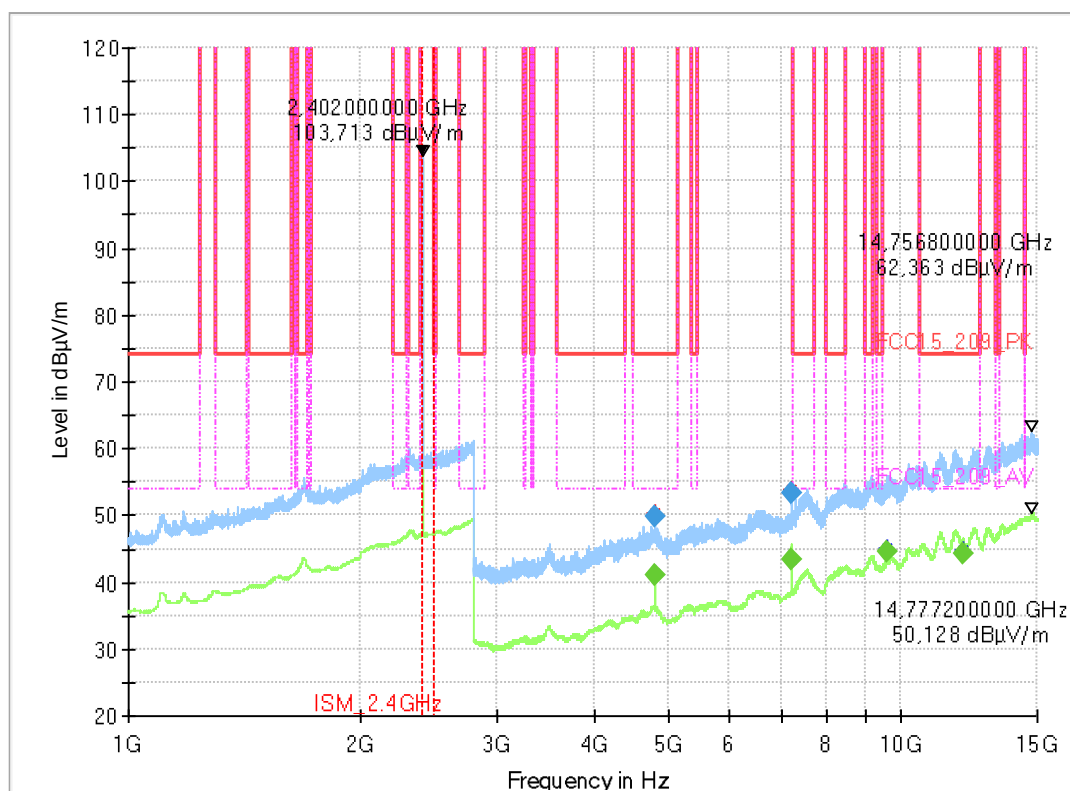
### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel low                                               |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 22 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



**Final\_Result**

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin | Meas. Time (ms) | Bandwidth | Height | Pol | Azimuth | Elevation |
|-----------------|------------------|------------------|----------------|--------|-----------------|-----------|--------|-----|---------|-----------|
| 4803.200000     | 49.69            | ---              | 74.00          | 24.31  | 100.0           | 1000.000  | 155.0  | H   | 132.0   | 0.0       |
| 4803.600000     | ---              | 41.06            | 54.00          | 12.94  | 100.0           | 1000.000  | 155.0  | H   | 131.0   | 0.0       |
| 7205.200000     | 53.43            | ---              | 150.00         | 96.57  | 100.0           | 1000.000  | 155.0  | H   | 50.0    | 90.0      |
| 7206.800000     | ---              | 43.40            | 150.00         | 106.60 | 100.0           | 1000.000  | 155.0  | H   | 47.0    | 90.0      |
| 9608.800000     | ---              | 44.56            | 150.00         | 105.45 | 100.0           | 1000.000  | 155.0  | H   | 306.0   | 90.0      |
| 12011.200000    | ---              | 44.22            | 54.00          | 9.78   | 100.0           | 1000.000  | 155.0  | V   | 316.0   | 90.0      |
| 15800.800000    | 63.27            | ---              | 74.00          | 10.73  | 100.0           | 1000.000  | 155.0  | V   | 158.0   | 0.0       |

(continuation of the "Final\_Result" table from column 16 ...)

| Frequency (MHz) | Corr. (dB/m) | Comment               |
|-----------------|--------------|-----------------------|
| 4803.200000     | 7            | 18:40:10 - 09.11.2021 |
| 4803.600000     | 7            | 18:45:19 - 09.11.2021 |
| 7205.200000     | 12           | 18:43:47 - 09.11.2021 |
| 7206.800000     | 13           | 18:46:56 - 09.11.2021 |
| 9608.800000     | 18           | 18:48:35 - 09.11.2021 |
| 12011.200000    | 21           | 18:50:16 - 09.11.2021 |
| 15800.800000    | 32           | 18:41:50 - 09.11.2021 |

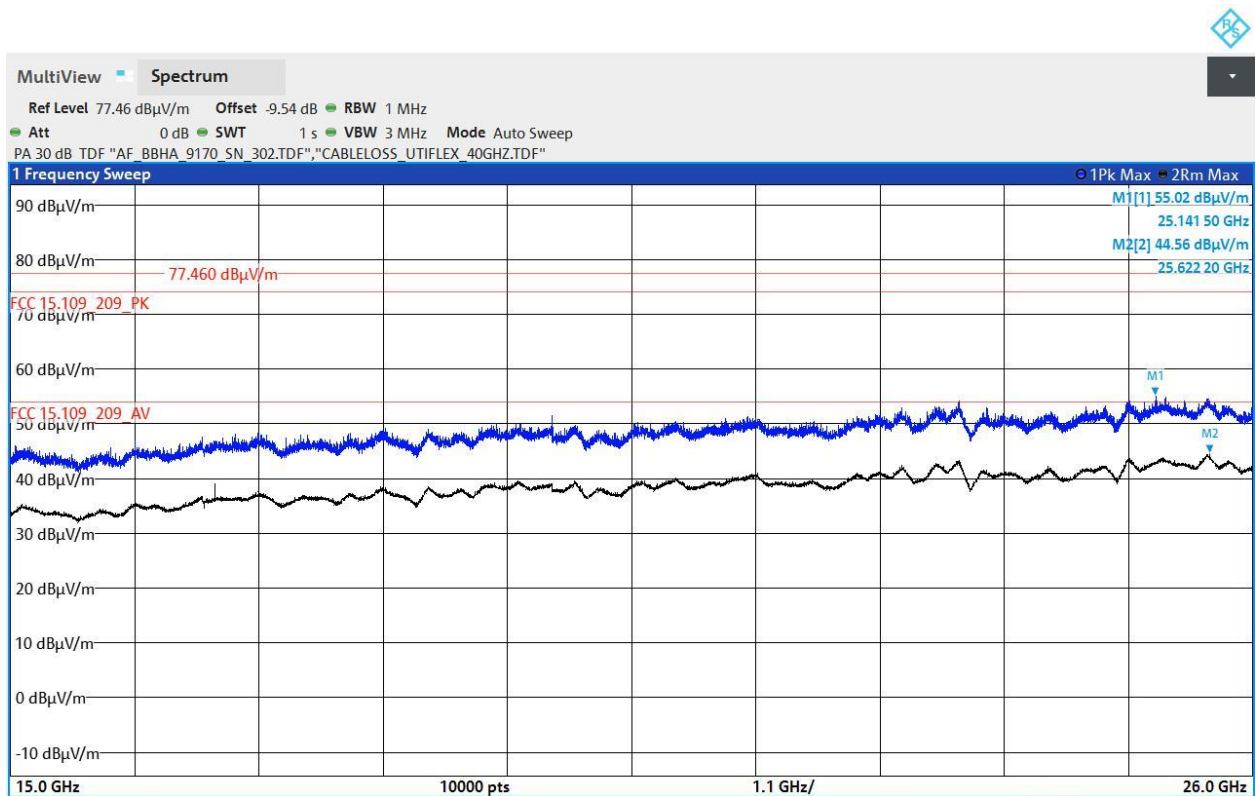
## 4.01b\_BLE\_low

### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel low                                               |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 21 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|



## 4.02a\_BLE\_mid

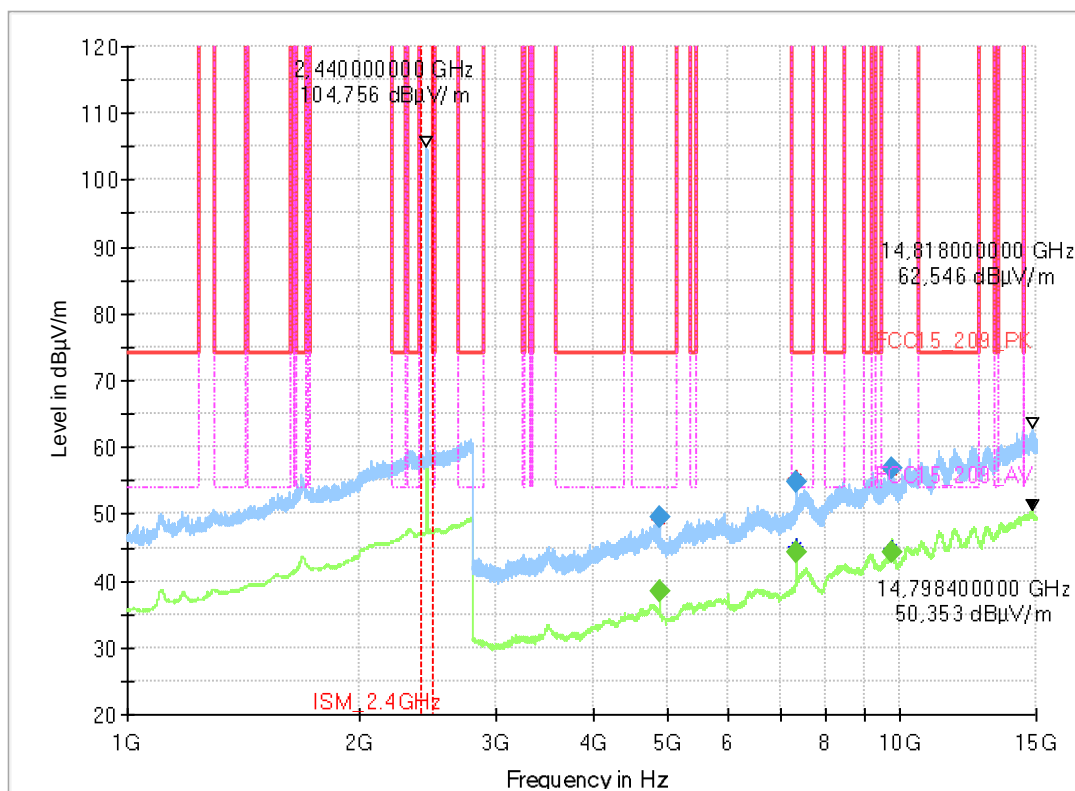
### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel no.mid                                            |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 22 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



**Final\_Result**

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin | Meas. Time (ms) | Bandwidth | Height | Pol | Azimuth | Elevation |
|-----------------|------------------|------------------|----------------|--------|-----------------|-----------|--------|-----|---------|-----------|
| 4879.600000     | ---              | 38.56            | 54.00          | 15.44  | 100.0           | 1000.000  | 155.0  | H   | 1.0     | 90.0      |
| 4879.600000     | 49.40            | ---              | 74.00          | 24.60  | 100.0           | 1000.000  | 155.0  | H   | 131.0   | 0.0       |
| 7319.200000     | ---              | 44.21            | 54.00          | 9.79   | 100.0           | 1000.000  | 155.0  | H   | 51.0    | 90.0      |
| 7320.800000     | 54.78            | ---              | 74.00          | 19.22  | 100.0           | 1000.000  | 155.0  | H   | 51.0    | 90.0      |
| 9758.800000     | ---              | 44.25            | 150.00         | 105.75 | 100.0           | 1000.000  | 155.0  | H   | 270.0   | 0.0       |
| 9760.800000     | 56.75            | ---              | 150.00         | 93.25  | 100.0           | 1000.000  | 155.0  | H   | 270.0   | 0.0       |

(continuation of the "Final\_Result" table from column 16 ...)

| Frequency (MHz) | Corr. (dB/m) | Comment               |
|-----------------|--------------|-----------------------|
| 4879.600000     | 7            | 20:57:18 - 09.11.2021 |
| 4879.600000     | 7            | 20:50:21 - 09.11.2021 |
| 7319.200000     | 14           | 20:58:40 - 09.11.2021 |
| 7320.800000     | 14           | 20:53:41 - 09.11.2021 |
| 9758.800000     | 18           | 20:55:24 - 09.11.2021 |
| 9760.800000     | 18           | 20:51:52 - 09.11.2021 |

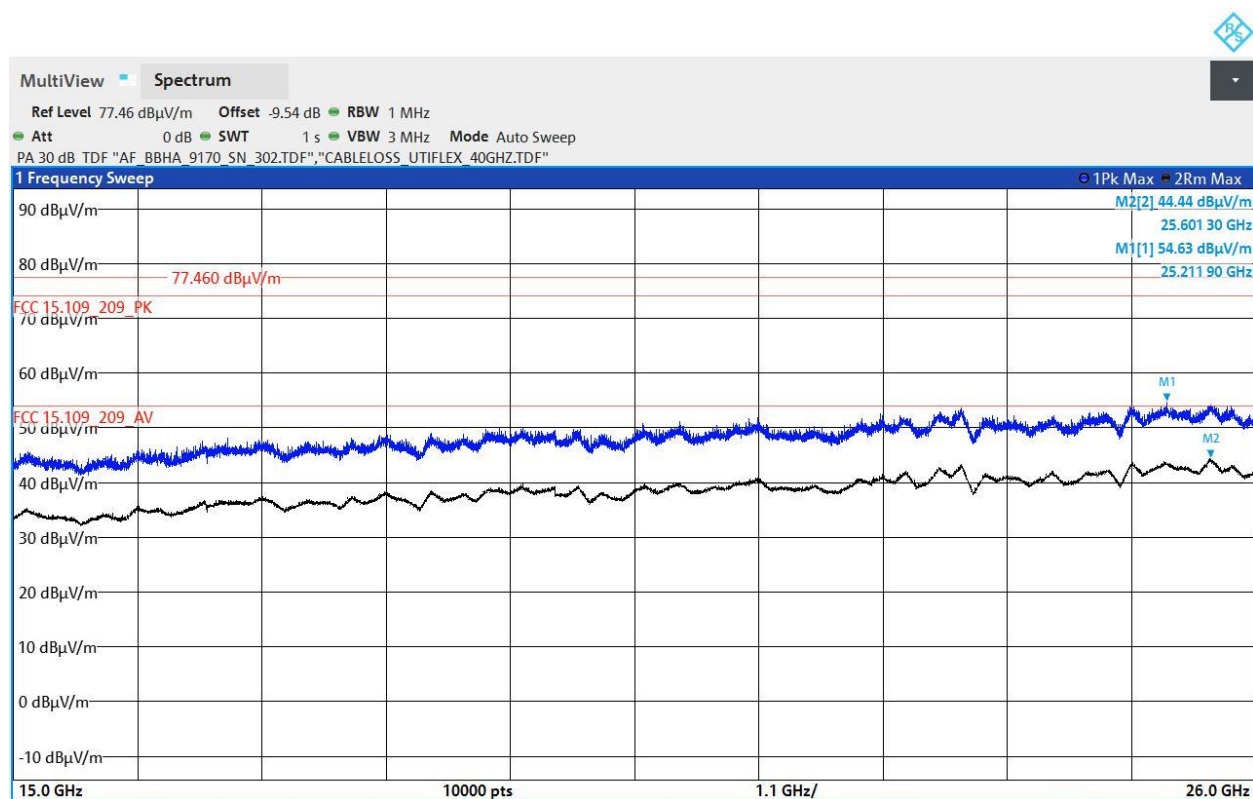
## 4.02b\_BLE\_mid

### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel no.mid                                            |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 21 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|



## 4.03a\_BLE\_high

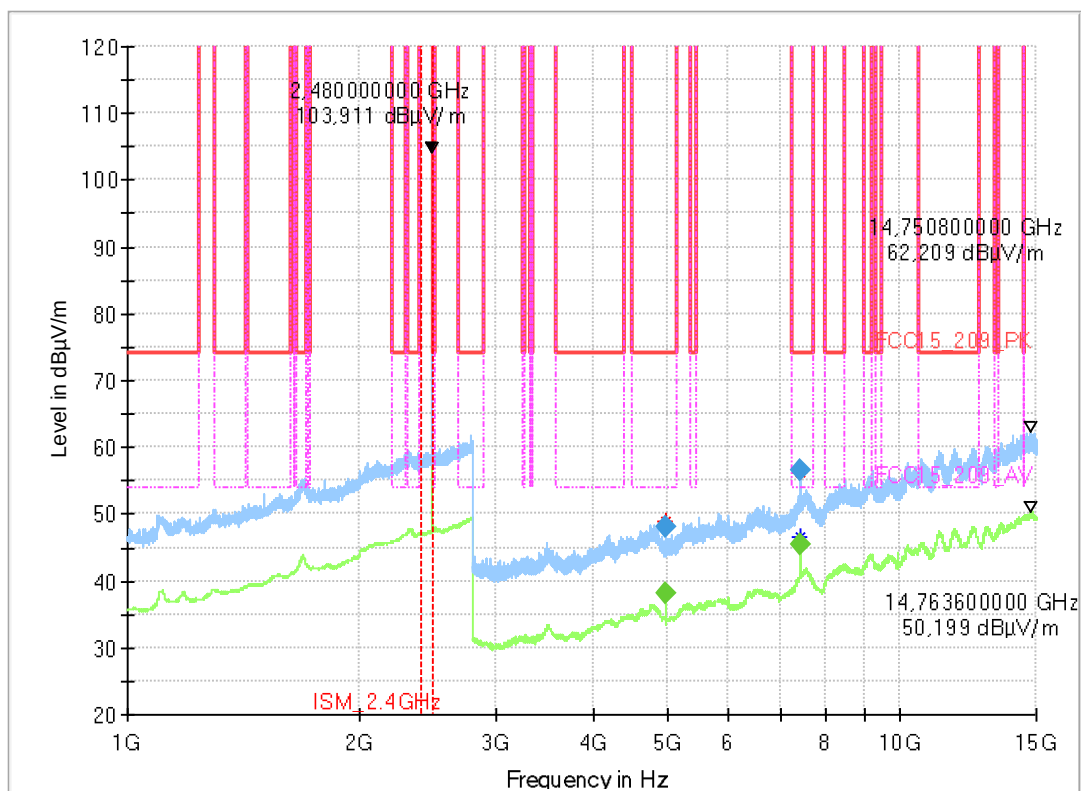
### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel no.High                                           |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 21 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



**Final\_Result**

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin | Meas. Time (ms) | Bandwidth | Height | Pol | Azimuth | Elevation |
|-----------------|------------------|------------------|----------------|--------|-----------------|-----------|--------|-----|---------|-----------|
| 4959.200000     | 48.21            | ---              | 74.00          | 25.79  | 100.0           | 1000.000  | 155.0  | H   | -2.0    | 90.0      |
| 4959.600000     | ---              | 38.07            | 54.00          | 15.93  | 100.0           | 1000.000  | 155.0  | H   | 1.0     | 90.0      |
| 7439.200000     | ---              | 45.43            | 54.00          | 8.57   | 100.0           | 1000.000  | 155.0  | H   | 50.0    | 90.0      |
| 7439.200000     | 56.56            | ---              | 74.00          | 17.44  | 100.0           | 1000.000  | 155.0  | H   | 45.0    | 90.0      |

(continuation of the "Final\_Result" table from column 16 ...)

| Frequency (MHz) | Corr. (dB) | Comment               |
|-----------------|------------|-----------------------|
| 4959.200000     | 6.4        | 22:36:31 - 09.11.2021 |
| 4959.600000     | 6.4        | 22:39:26 - 09.11.2021 |
| 7439.200000     | 14.9       | 22:40:45 - 09.11.2021 |
| 7439.200000     | 14.9       | 22:37:54 - 09.11.2021 |

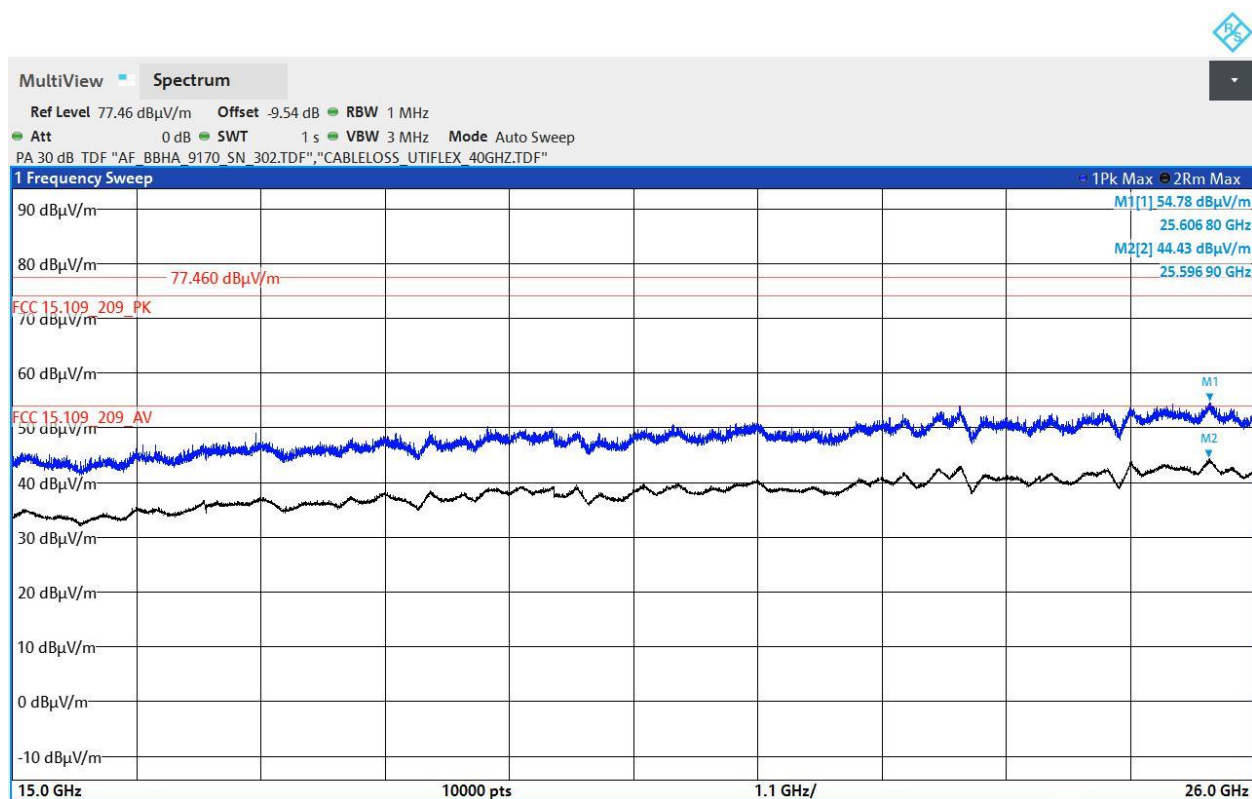
## 4.03b\_BLE\_high

### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 1                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | HEI                                                       |
| Comment:                  | Channel no.High                                           |
| Environmental Conditions: | Humidity : 60 % rH; Temperature: 21 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|



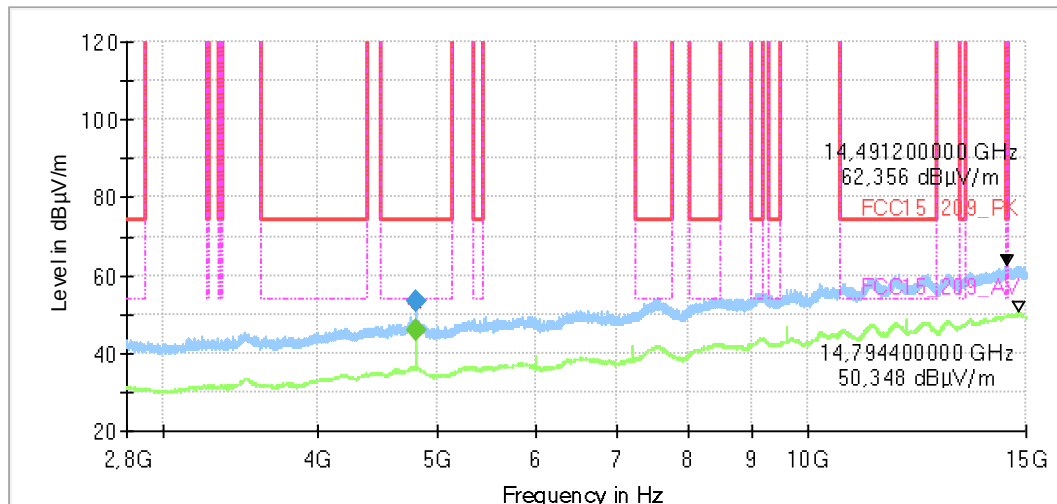
## 4.04\_BLE\_low

### Common Information

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Test Description:         | Radiated field strength emission in 3m distance           |
| Test Site:                | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20           |
| Test Standard:            | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5 |
| Antenna polarisation:     | horizontal/vertical                                       |
| Operating Mode:           | 2                                                         |
| Set-up no.                | 1                                                         |
| Operator:                 | PMa                                                       |
| Environmental Conditions: | Humidity : 61 % rH; Temperature: 21 °C                    |
| Verdict:                  | Passed                                                    |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S02_C01 |
|             | Full Spectrum     |



### Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin | Meas. Time (ms) | Bandwidth (Hz) | Height | Pol | Azimuth | Elevation |
|-----------------|------------------|------------------|----------------|--------|-----------------|----------------|--------|-----|---------|-----------|
| 4804.000000     | ---              | 45.72            | 54.00          | 8.28   | 100.0           | 1000.000       | 155.0  | H   | 269.0   | 0.0       |
| 4804.400000     | 53.15            | ---              | 74.00          | 20.85  | 100.0           | 1000.000       | 155.0  | H   | 271.0   | 0.0       |

(continuation of the "Final\_Result" table from column 16 ...)

| Frequency (MHz) | Corr. (dB/m) | Comment               |
|-----------------|--------------|-----------------------|
| 4804.000000     | 7            | 12:50:15 - 10.11.2021 |
| 4804.400000     | 7            | 12:48:52 - 10.11.2021 |

## 9.01a\_BE\_BLE\_low

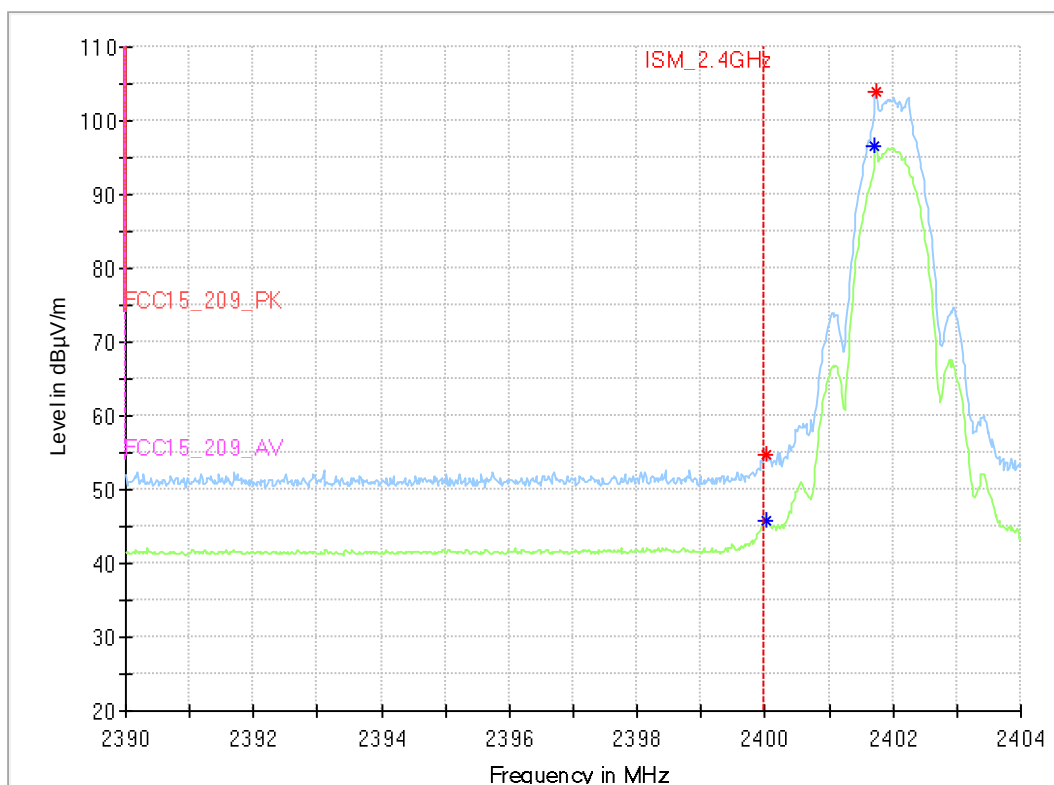
### Common Information

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Test Description:     | Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance |
| Test Site:            | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20                       |
| Test Standard:        | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5             |
| Antenna polarisation: | horizontal/vertical                                                   |
| Operating Mode:       | 1                                                                     |
| Operator:             | HEI                                                                   |
| Comment:              | Channel no. low                                                       |
| EUT Setup:            | 1                                                                     |
| Verdict:              | Passed                                                                |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



**Critical\_Freqs**

| Frequency (MHz) | MaxPeak (dBμV/m) | RMS (dBμV/m) | Limit (dBμV/m) | Margin | Meas. Time (ms) | Bandwidth | Height | Pol | Azimuth | Elevation |
|-----------------|------------------|--------------|----------------|--------|-----------------|-----------|--------|-----|---------|-----------|
| 2400.020000     | ---              | 45.75        | 150.00         | 104.25 | ---             | ---       | 155.0  | V   | 279.0   | 90.0      |
| 2400.020000     | 54.84            | ---          | 150.00         | 95.16  | ---             | ---       | 155.0  | H   | 270.0   | 0.0       |
| 2401.720000     | ---              | 96.58        | 150.00         | 53.42  | ---             | ---       | 155.0  | V   | 279.0   | 90.0      |
| 2401.740000     | 103.89           | ---          | 150.00         | 46.11  | ---             | ---       | 155.0  | V   | 274.0   | 90.0      |

(continuation of the "Critical\_Freqs" table from column 16 ...)

| Frequency (MHz) | Corr. (dB/m) |
|-----------------|--------------|
| 2400.020000     | 37           |
| 2400.020000     | 37           |
| 2401.720000     | 37           |
| 2401.740000     | 37           |

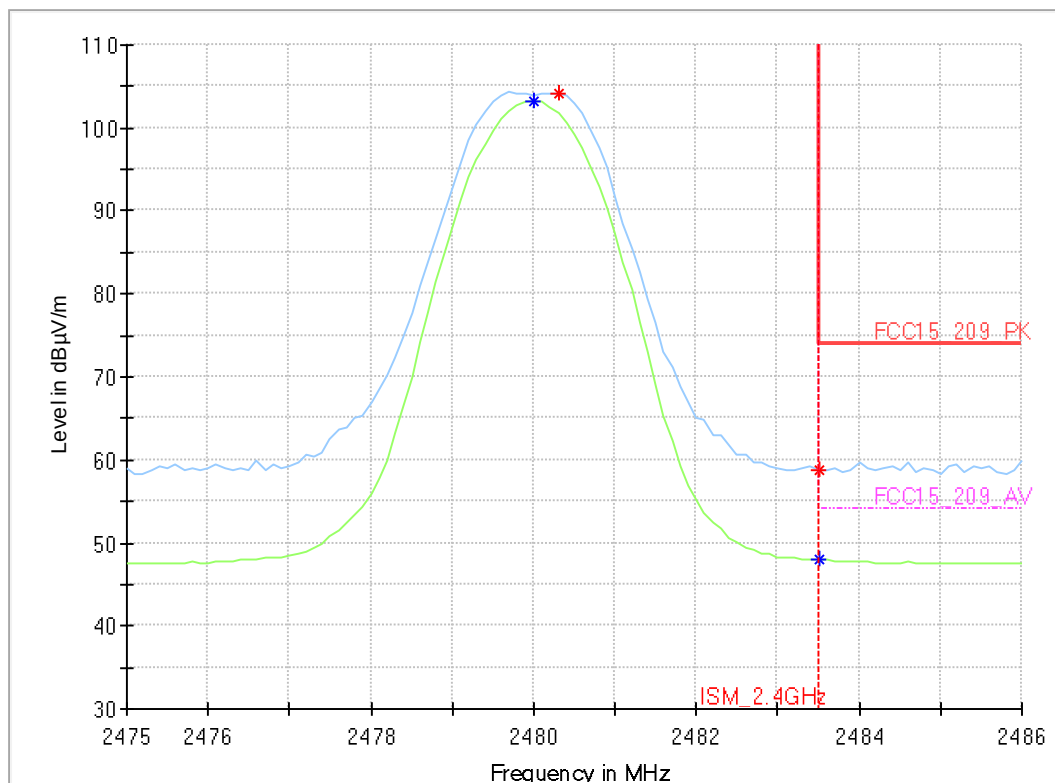
## 9.02\_BE\_BLE\_high

### Common Information

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Test Description:     | Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance |
| Test Site:            | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20                       |
| Test Standard:        | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5             |
| Antenna polarisation: | horizontal/vertical                                                   |
| Operating Mode:       | 1                                                                     |
| Operator:             | HEI                                                                   |
| Comment:              | Channel no. high                                                      |
| EUT Setup:            | 1                                                                     |
| Verdict:              | Passed                                                                |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|             | Full Spectrum     |



### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | RMS (dBµV/m) | Limit (dBµV/m) | Margin | Meas. Time (ms) | Bandwidth (h) | Height (t) | Pol | Azimuth (h) | Elevation (n) |
|-----------------|------------------|--------------|----------------|--------|-----------------|---------------|------------|-----|-------------|---------------|
| 2480.000000     | ---              | 103.28       | 150.00         | 46.72  | ---             | ---           | 155.0      | V   | 275.0       | 90.0          |
| 2480.300000     | 104.26           | ---          | 150.00         | 45.74  | ---             | ---           | 155.0      | V   | 275.0       | 90.0          |
| 2483.500000     | ---              | 48.01        | 54.00          | 5.99   | ---             | ---           | 155.0      | H   | 315.0       | 0.0           |
| 2483.500000     | 58.78            | ---          | 74.00          | 15.22  | ---             | ---           | 155.0      | H   | 315.0       | 0.0           |

(continuation of the "Critical\_Freqs" table from column 16 ...)

## 9.03\_BE\_low

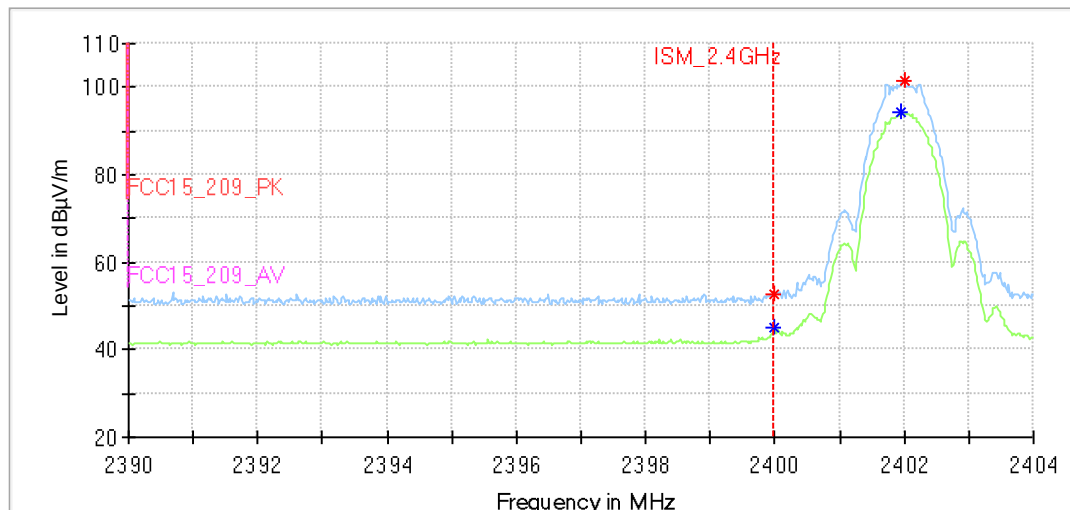
### Common Information

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Test Description:     | Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance |
| Test Site:            | Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20                       |
| Test Standard:        | FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5             |
| Antenna polarisation: | horizontal/vertical                                                   |
| Operating Mode:       | 2                                                                     |
| Operator:             | PMA                                                                   |
| EUT Setup:            | 1                                                                     |
| Verdict:              | Passed                                                                |

### EUT Information

|             |                   |
|-------------|-------------------|
| PMT number: | 21-1-01436S03_C01 |
|-------------|-------------------|

Full Spectrum



### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | RMS (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Elevation (deg) |
|-----------------|------------------|--------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|-----------------|
| 2400.000000     | 52.78            | ---          | 150.00         | 97.22       | ---             | ---             | 155.0       | V   | 187.0         | 90.0            |
| 2400.000000     | ---              | 44.94        | 150.00         | 105.06      | ---             | ---             | 155.0       | V   | 187.0         | 90.0            |
| 2401.940000     | ---              | 94.16        | 150.00         | 55.84       | ---             | ---             | 155.0       | H   | 312.0         | 0.0             |
| 2402.000000     | 101.49           | ---          | 150.00         | 48.51       | ---             | ---             | 155.0       | H   | 312.0         | 0.0             |

| Frequency (MHz) | Corr. (dB/m) | Comment               |
|-----------------|--------------|-----------------------|
| 2400.000000     | 37           | 13:07:47 - 10.11.2021 |
| 2400.000000     | 37           | 13:08:13 - 10.11.2021 |
| 2401.940000     | 37           | 13:07:34 - 10.11.2021 |
| 2402.000000     | 37           | 13:07:28 - 10.11.2021 |

## 9.04\_BE\_high

### Common Information

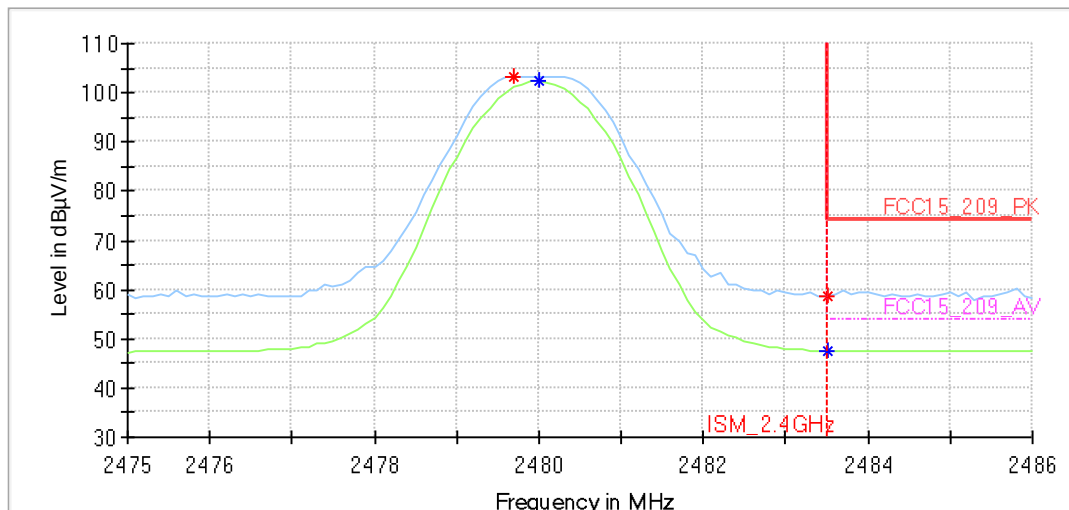
Test Description: Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance  
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20  
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5  
 Antenna polarisation: horizontal/vertical

Operating Mode: 2  
 Operator: PMA  
 EUT Setup: 1  
 Verdict: Passed

### EUT Information

PMT number: 21-1-01436S03\_C01

Full Spectrum



### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | RMS (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Elevation (deg) |
|-----------------|------------------|--------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|-----------------|
| 2479.700000     | 103.37           | ---          | 150.00         | 46.63       | ---             | ---             | 155.0       | H   | 314.0         | 0.0             |
| 2480.000000     | ---              | 102.39       | 150.00         | 47.61       | ---             | ---             | 155.0       | H   | 314.0         | 0.0             |
| 2483.500000     | ---              | 47.59        | 54.00          | 6.41        | ---             | ---             | 155.0       | V   | 146.0         | 90.0            |
| 2483.500000     | 58.61            | ---          | 74.00          | 15.39       | ---             | ---             | 155.0       | H   | 103.0         | 90.0            |

(continuation of the "Critical\_Freqs" table from column 16 ...)

| Frequency (MHz) | Corr. (dB/m) | Comment               |
|-----------------|--------------|-----------------------|
| 2479.700000     | 37           | 13:23:37 - 10.11.2021 |
| 2480.000000     | 37           | 13:23:41 - 10.11.2021 |
| 2483.500000     | 37           | 13:23:26 - 10.11.2021 |
| 2483.500000     | 37           | 13:23:30 - 10.11.2021 |

## 1.2 Conducted measurements

### RF output power

| Mode                  | DUT Frequency | Gated RMS | Limit Max (dBm) | Gated EIRP | DutyCycle (%) | Result |
|-----------------------|---------------|-----------|-----------------|------------|---------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.0000     | 5.3       | 30.0            | 5.3        | 100.000       | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.0000     | 5.1       | 30.0            | 5.1        | 100.000       | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.0000     | 4.8       | 30.0            | 4.8        | 100.000       | PASS   |

Remark: Results for operation mode 1

### Peak output power (Sweep)

| Mode                  | DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|-----------------------|---------------------|------------------|-----------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.000000         | 6.4              | 30.0            | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.000000         | 6.3              | 30.0            | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.000000         | 5.8              | 30.0            | PASS   |

Remark: Results for operation mode 1

### Minimum Emission Bandwidth 6 dB

| Mode                  | DUT Frequency | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left | Band Edge Right |
|-----------------------|---------------|-----------------|-----------------|-----------------|----------------|-----------------|
| BT-5 [1Mbps]; 2402MHz | 2402.0000     | 0.752476        | 0.500000        | ---             | 2401.6039      | 2402.3564       |
| BT-5 [1Mbps]; 2440MHz | 2440.0000     | 0.752476        | 0.500000        | ---             | 2439.6039      | 2440.3564       |
| BT-5 [1Mbps]; 2480MHz | 2480.0000     | 0.772278        | 0.500000        | ---             | 2479.5841      | 2480.3564       |

Remark: Results for operation mode 1

### Peak Power Spectral Density

| Mode                  | DUT Frequency | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|-----------------------|---------------|-----------------|-----------|-----------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.000000   | 2401.727500     | 1.689     | 8.0             | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.000000   | 2439.727500     | 1.751     | 8.0             | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.000000   | 2479.722500     | 1.321     | 8.0             | PASS   |

Remark: Results for operation mode 1

### Occupied Channel Bandwidth 99%

| Mode                  | DUT Frequency | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left | Band Edge Right |
|-----------------------|---------------|-----------------|-----------------|-----------------|----------------|-----------------|
| BT-5 [1Mbps]; 2402MHz | 2402.0000     | 1.060000        | ---             | ---             | 2401.4425      | 2402.5025       |
| BT-5 [1Mbps]; 2440MHz | 2440.0000     | 1.065000        | ---             | ---             | 2439.4375      | 2440.5025       |
| BT-5 [1Mbps]; 2480MHz | 2480.0000     | 1.060000        | ---             | ---             | 2479.4425      | 2480.5025       |

Remark: Results for operation mode 1

### Tx Spurious Emission

| Mode                  | DUT Frequency (MHz) | Result |
|-----------------------|---------------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.000000         | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.000000         | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.000000         | PASS   |

Remark: Results for operation mode 1

**RF output power**

| Mode                  | DUT Frequency | Gated RMS | Limit Max (dBm) | Gated EIRP | DutyCycle (%) | Result |
|-----------------------|---------------|-----------|-----------------|------------|---------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.0000     | 5.5       | 30.0            | 5.5        | 100.000       | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.0000     | 5.4       | 30.0            | 5.4        | 100.000       | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.0000     | 5.1       | 30.0            | 5.1        | 100.000       | PASS   |

Remark: Results for operation mode 2

**Peak output power (Sweep)**

| Mode                  | DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|-----------------------|---------------------|------------------|-----------------|--------|
| BT-5 [1Mbps]; 2402MHz | 2402.000000         | 6.6              | 30.0            | PASS   |
| BT-5 [1Mbps]; 2440MHz | 2440.000000         | 6.5              | 30.0            | PASS   |
| BT-5 [1Mbps]; 2480MHz | 2480.000000         | 6.1              | 30.0            | PASS   |

Remark: Results for operation mode 2

## RF output power (2402 MHz; BT-5 [1Mbps] ;1 MHz)

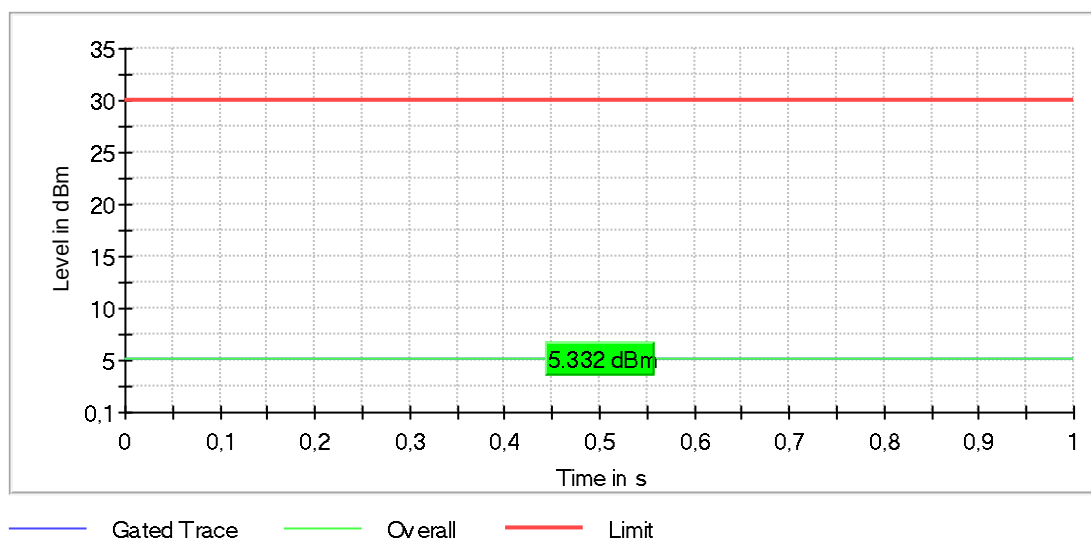
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2402.000000         | 5.3             | 30.0            | 5.3              | 100.000       | PASS   |

Remark: Results for operation mode 1

Gated Trace



### OSP PowerMeter settings

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

## RF output power (2440 MHz; BT-5 [1Mbps] ;1 MHz)

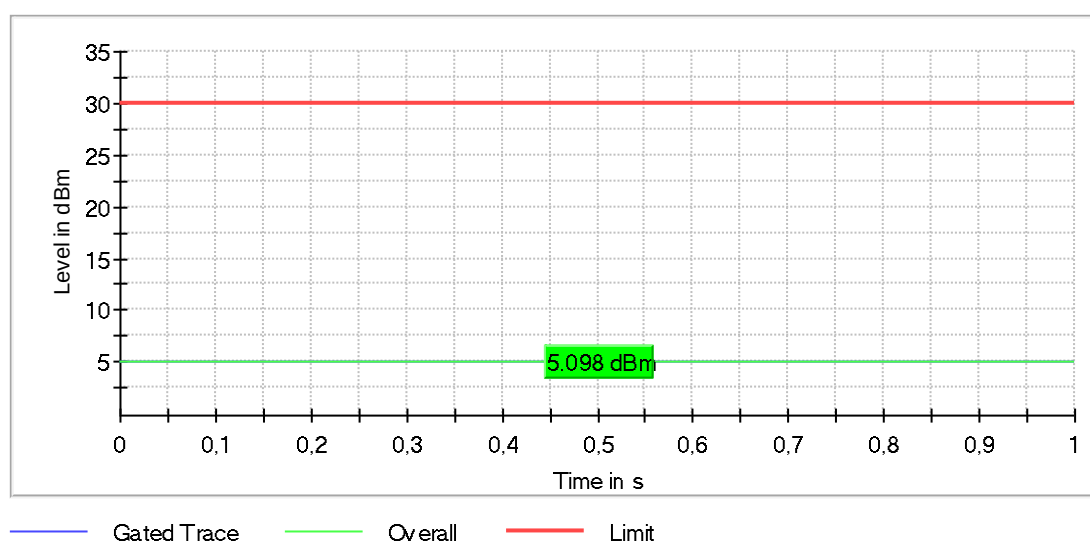
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2440.000000         | 5.1             | 30.0            | 5.1              | 100.000       | PASS   |

Remark: Results for operation mode 1

Gated Trace



### OSP PowerMeter settings

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

## RF output power (2480 MHz; BT-5 [1Mbps] ;1 MHz)

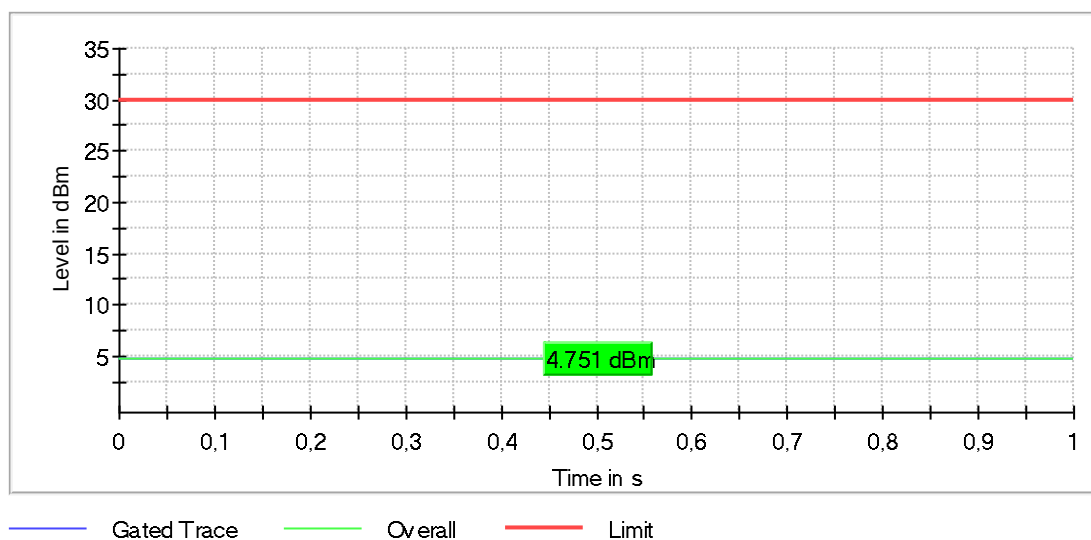
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2480.000000         | 4.8             | 30.0            | 4.8              | 100.000       | PASS   |

Remark: Results for operation mode 1

Gated Trace



### OSP PowerMeter settings

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

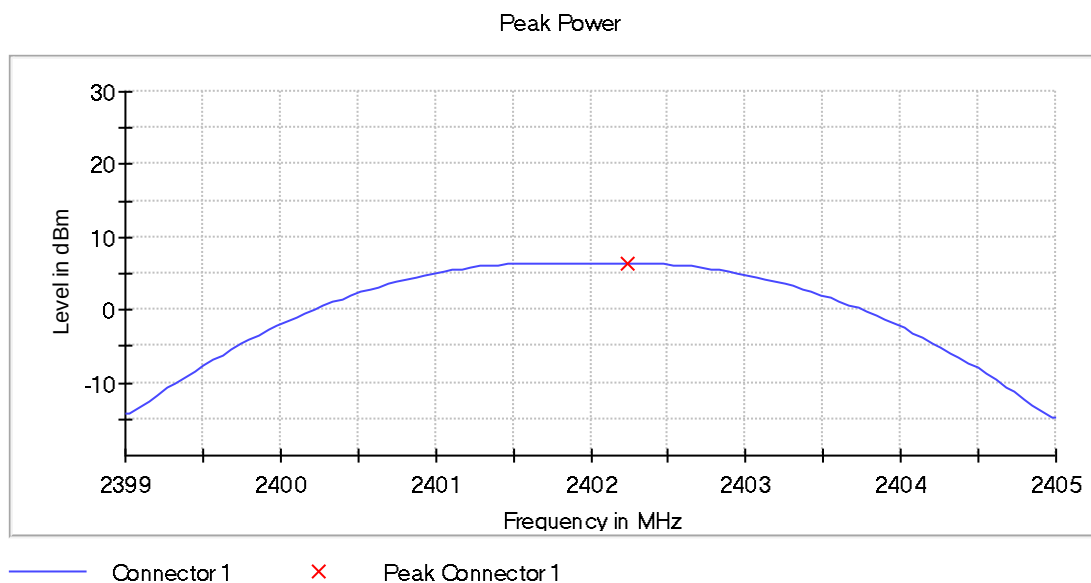
## Peak output power (Sweep) (2402 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2402.000000         | 6.4              | 30.0            | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| Start Frequency       | 2.39900 GHz      | 2.39900 GHz  |
| Stop Frequency        | 2.40500 GHz      | 2.40500 GHz  |
| Span                  | 6.000 MHz        | 6.000 MHz    |
| RBW                   | 2.000 MHz        | >= 1.000 MHz |
| VBW                   | 10.000 MHz       | >= 6.000 MHz |
| SweepPoints           | 101              | ~ 101        |
| SweepTime             | 1.000 ms         | AUTO         |
| Reference Level       | 0.000 dBm        | 0.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 100              | 100          |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 4 / max. 150     | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.03 dB          | 0.50 dB      |

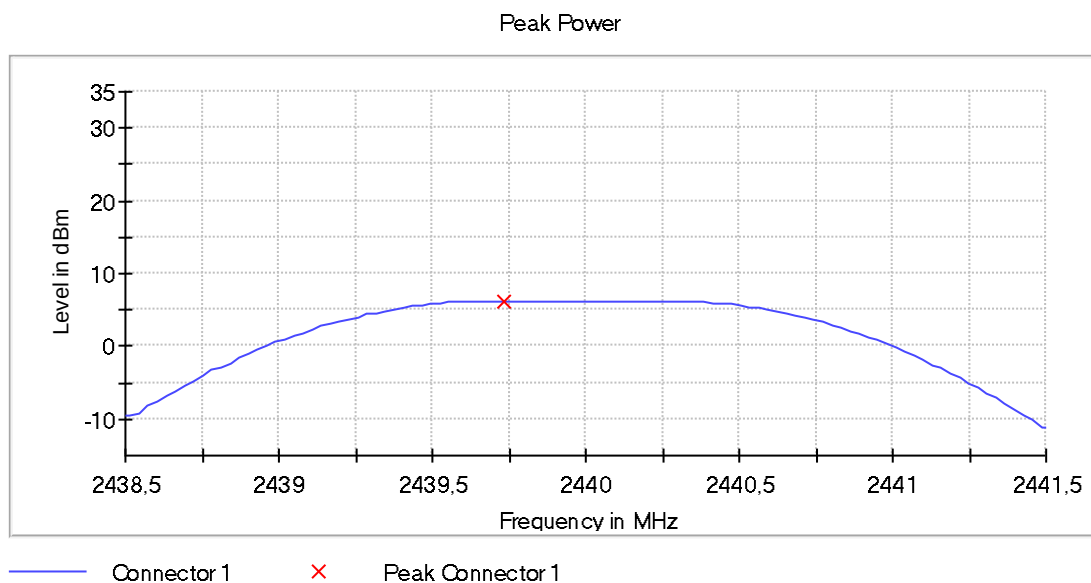
## Peak output power (Sweep) (2440 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2440.000000         | 6.3              | 30.0            | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.43850 GHz      | 2.43850 GHz    |
| Stop Frequency        | 2.44150 GHz      | 2.44150 GHz    |
| Span                  | 3.000 MHz        | 3.000 MHz      |
| RBW                   | 1.000 MHz        | >= 752.477 kHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz   |
| SweepPoints           | 101              | ~ 101          |
| SweepTime             | 1.000 ms         | AUTO           |
| Reference Level       | 0.000 dBm        | 0.000 dBm      |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.08 dB          | 0.50 dB        |

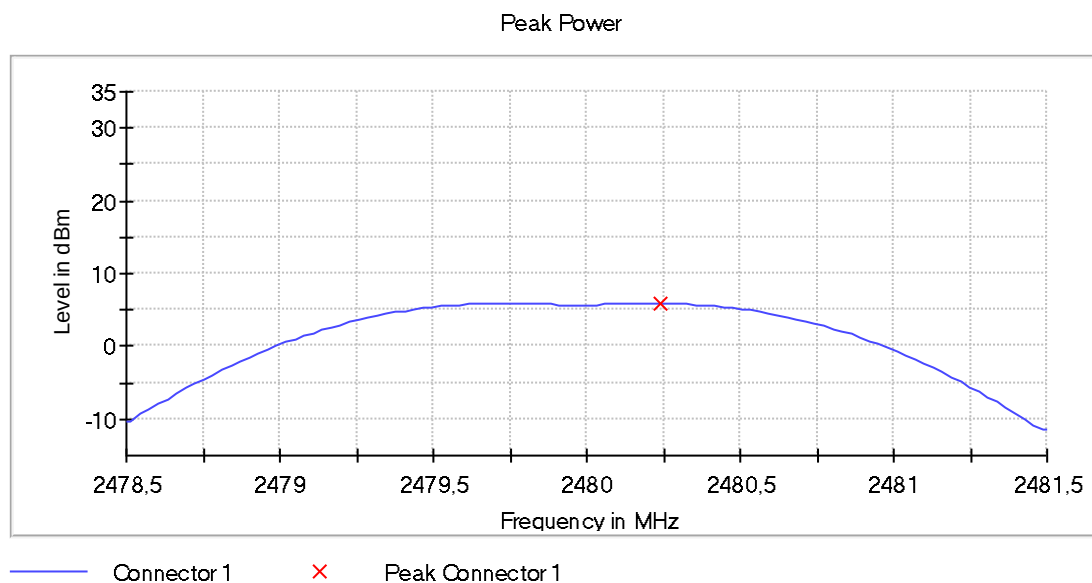
## Peak output power (Sweep) (2480 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2480.000000         | 5.8              | 30.0            | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.47850 GHz      | 2.47850 GHz    |
| Stop Frequency        | 2.48150 GHz      | 2.48150 GHz    |
| Span                  | 3.000 MHz        | 3.000 MHz      |
| RBW                   | 1.000 MHz        | >= 752.477 kHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz   |
| SweepPoints           | 101              | ~ 101          |
| SweepTime             | 1.000 ms         | AUTO           |
| Reference Level       | 0.000 dBm        | 0.000 dBm      |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.13 dB          | 0.50 dB        |

## Minimum Emission Bandwidth 6 dB (2402 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 6 dB Bandwidth

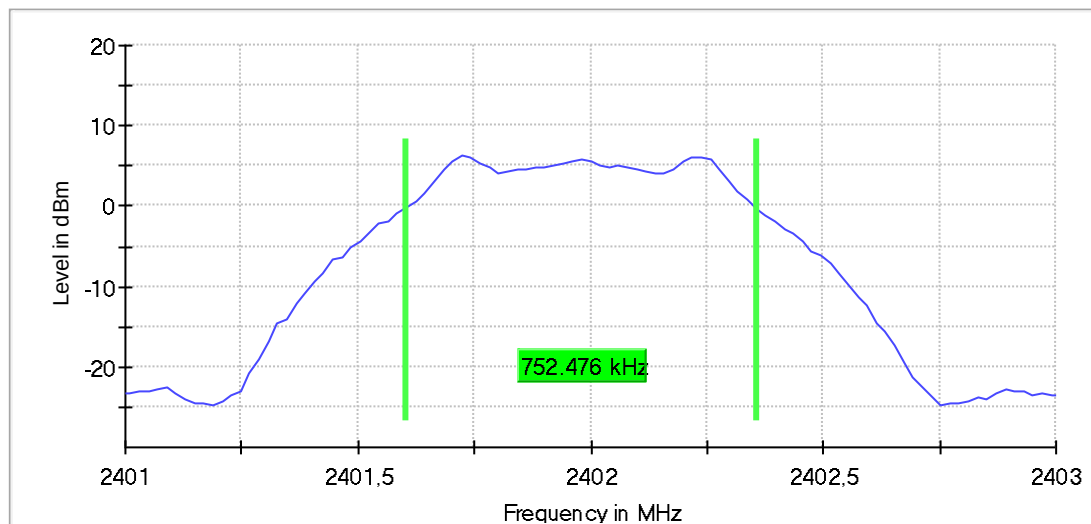
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 0.752476        | 0.500000        | ---             | 2401.603960          | 2402.356436           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2402.000000         | 6.2             | PASS   |

Remark: Results for operation mode 1

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40100 GHz      | 2.40100 GHz   |
| Stop Frequency        | 2.40300 GHz      | 2.40300 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 1.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 16 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2440 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 6 dB Bandwidth

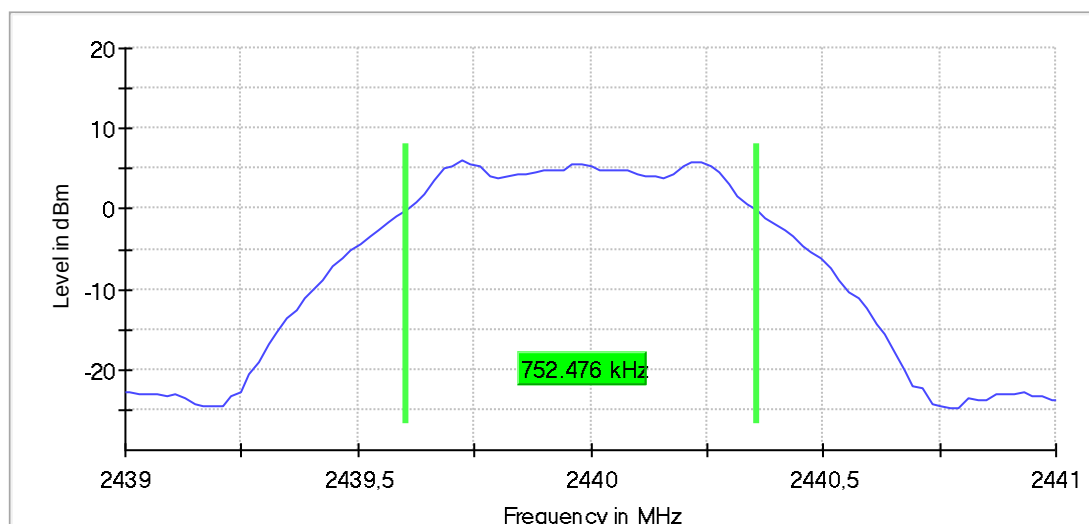
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 0.752476        | 0.500000        | ---             | 2439.603960          | 2440.356436           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2440.000000         | 6.1             | PASS   |

Remark: Results for operation mode 1

6 dB Bandwidth



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43900 GHz      | 2.43900 GHz   |
| Stop Frequency        | 2.44100 GHz      | 2.44100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| Sweptime              | 1.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 9 / max. 150     | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.10 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2480 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 6 dB Bandwidth

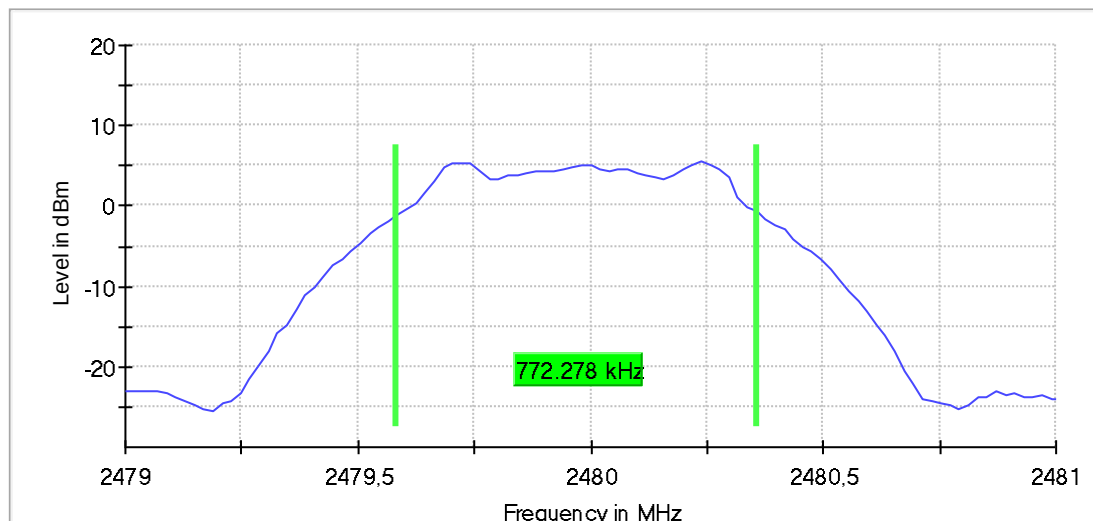
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 0.772278        | 0.500000        | ---             | 2479.584158          | 2480.356436           |

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

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2480.000000         | 5.5             | PASS   |

Remark: Results for operation mode 1

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47900 GHz      | 2.47900 GHz   |
| Stop Frequency        | 2.48100 GHz      | 2.48100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 1.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 11 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.39 dB          | 0.50 dB       |

## Peak Power Spectral Density (2402 MHz; BT-5 [1Mbps] ;1 MHz)

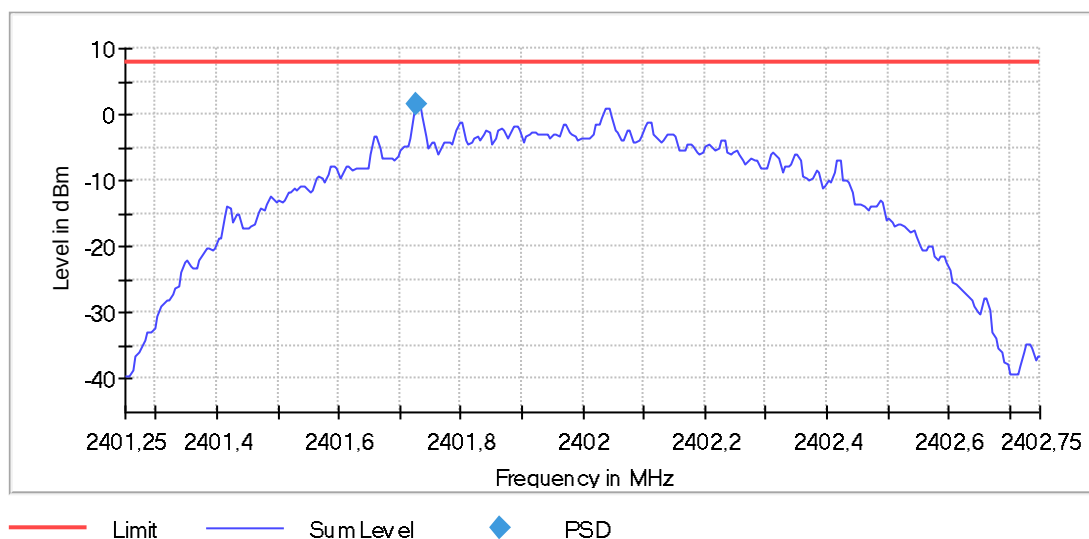
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.727500     | 1.689     | 8.0             | PASS   |

Remark: Results for operation mode 1

Peak Power Spectral Density



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40125 GHz      | 2.40125 GHz   |
| Stop Frequency        | 2.40275 GHz      | 2.40275 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 1.500 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 21 / max. 150    | max. 150      |
| Stable                | 2 / 2            | 2             |
| Max Stable Difference | 0.43 dB          | 0.50 dB       |

## Peak Power Spectral Density (2440 MHz; BT-5 [1Mbps] ;1 MHz)

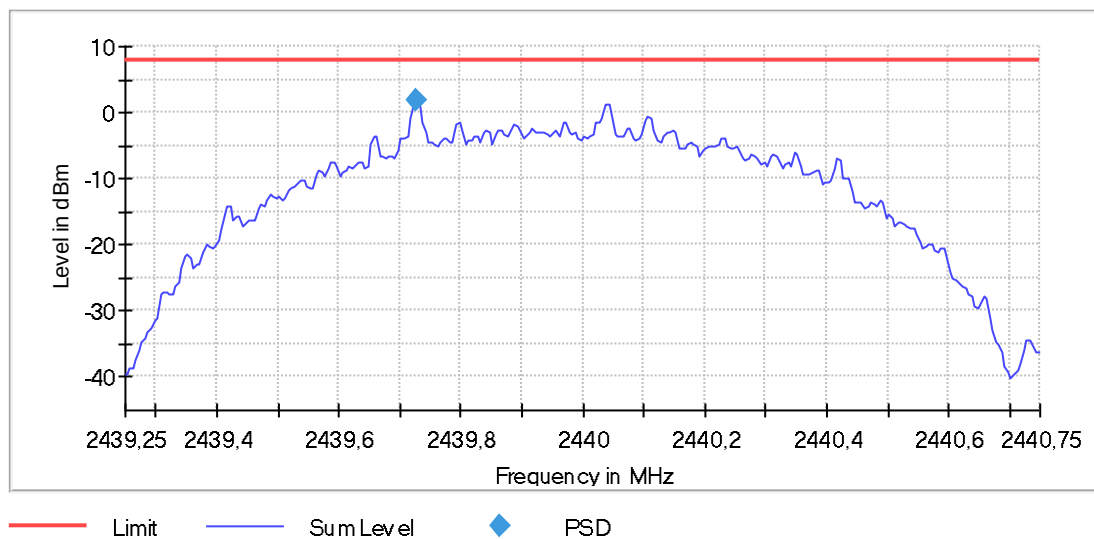
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.727500     | 1.751     | 8.0             | PASS   |

Remark: Results for operation mode 1

Peak Power Spectral Density



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43925 GHz      | 2.43925 GHz   |
| Stop Frequency        | 2.44075 GHz      | 2.44075 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 1.500 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 28 / max. 150    | max. 150      |
| Stable                | 2 / 2            | 2             |
| Max Stable Difference | 0.22 dB          | 0.50 dB       |

## Peak Power Spectral Density (2480 MHz; BT-5 [1Mbps] ;1 MHz)

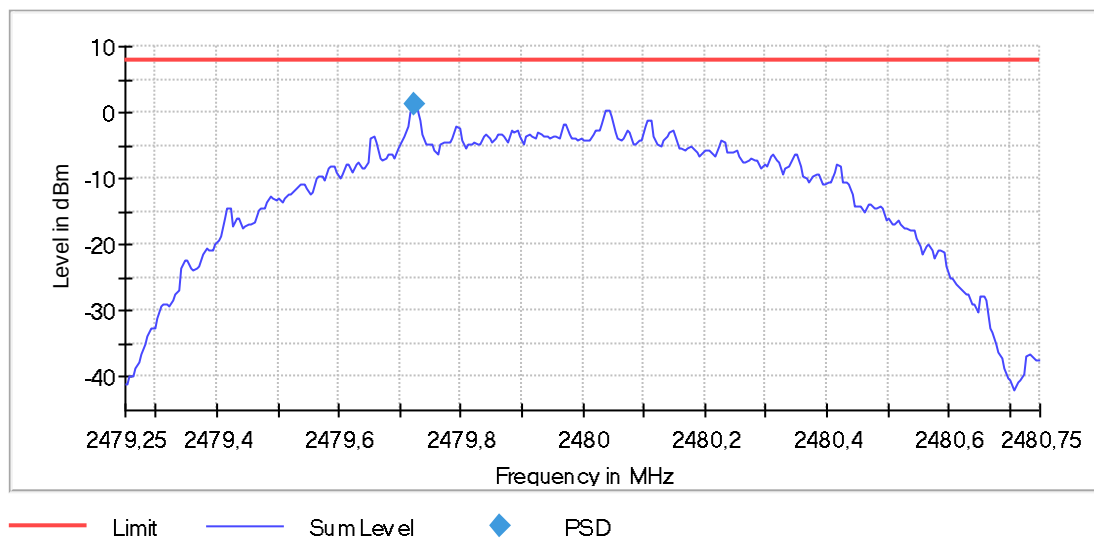
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2479.722500     | 1.321     | 8.0             | PASS   |

Remark: Results for operation mode 1

Peak Power Spectral Density



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47925 GHz      | 2.47925 GHz   |
| Stop Frequency        | 2.48075 GHz      | 2.48075 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 1.500 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 20 / max. 150    | max. 150      |
| Stable                | 2 / 2            | 2             |
| Max Stable Difference | 0.43 dB          | 0.50 dB       |

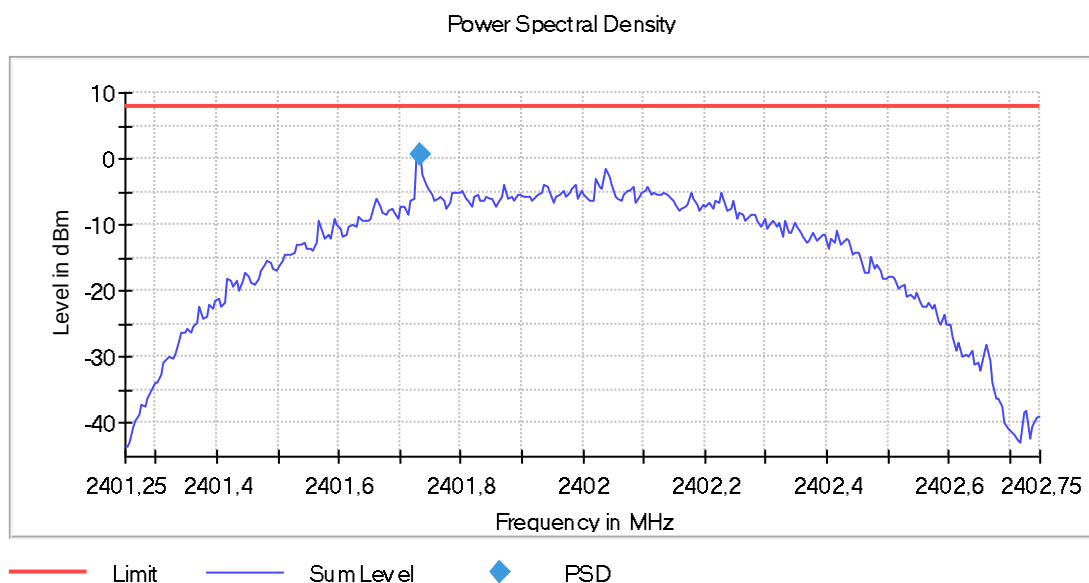
## Power Spectral Density (2402 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.732500     | 0.593     | 8.0             | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40125 GHz      | 2.40125 GHz   |
| Stop Frequency        | 2.40275 GHz      | 2.40275 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 6.000 ms         | 6.000 ms      |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | RMS              | RMS           |
| SweepCount            | 1                | 1             |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| Sweeptype             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 76 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

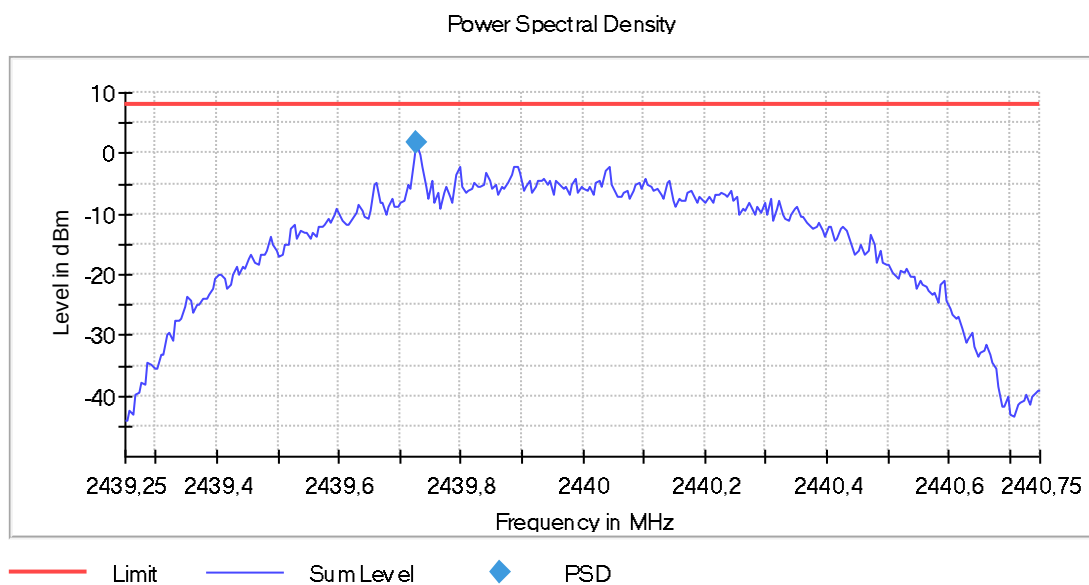
## Power Spectral Density (2440 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.727500     | 1.614     | 8.0             | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43925 GHz      | 2.43925 GHz   |
| Stop Frequency        | 2.44075 GHz      | 2.44075 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 6.000 ms         | 6.000 ms      |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | RMS              | RMS           |
| SweepCount            | 1                | 1             |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 50 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

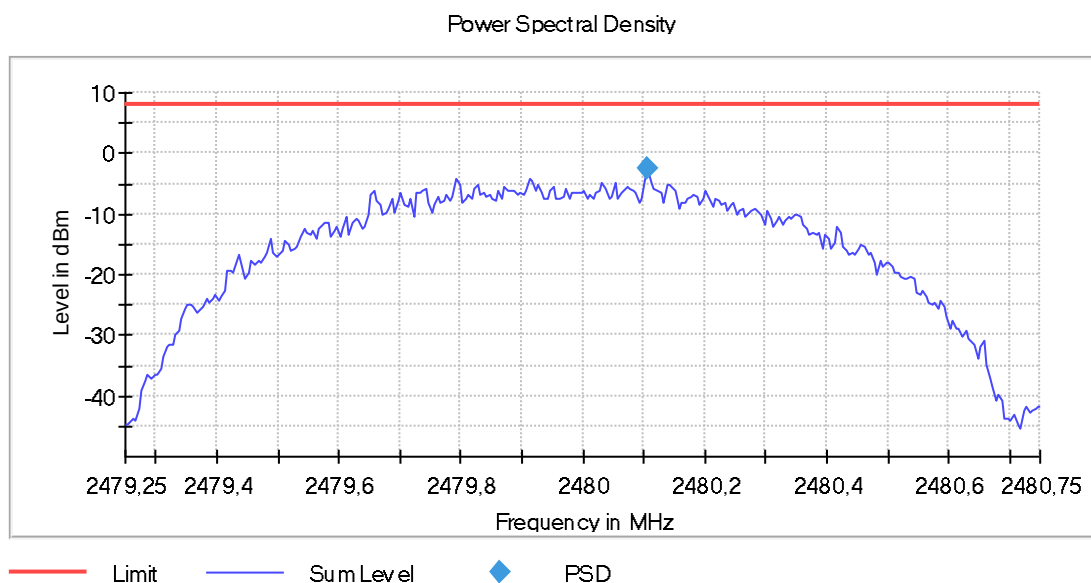
## Power Spectral Density (2480 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2480.107500     | -2.453    | 8.0             | PASS   |

Remark: Results for operation mode 1



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47925 GHz      | 2.47925 GHz   |
| Stop Frequency        | 2.48075 GHz      | 2.48075 GHz   |
| Span                  | 1.500 MHz        | 1.500 MHz     |
| RBW                   | 10.000 kHz       | <= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 300              | ~ 300         |
| SweepTime             | 6.000 ms         | 6.000 ms      |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | RMS              | RMS           |
| SweepCount            | 1                | 1             |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | Sweep         |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 37 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## Occupied Channel Bandwidth 99% (2402 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 99 % Bandwidth

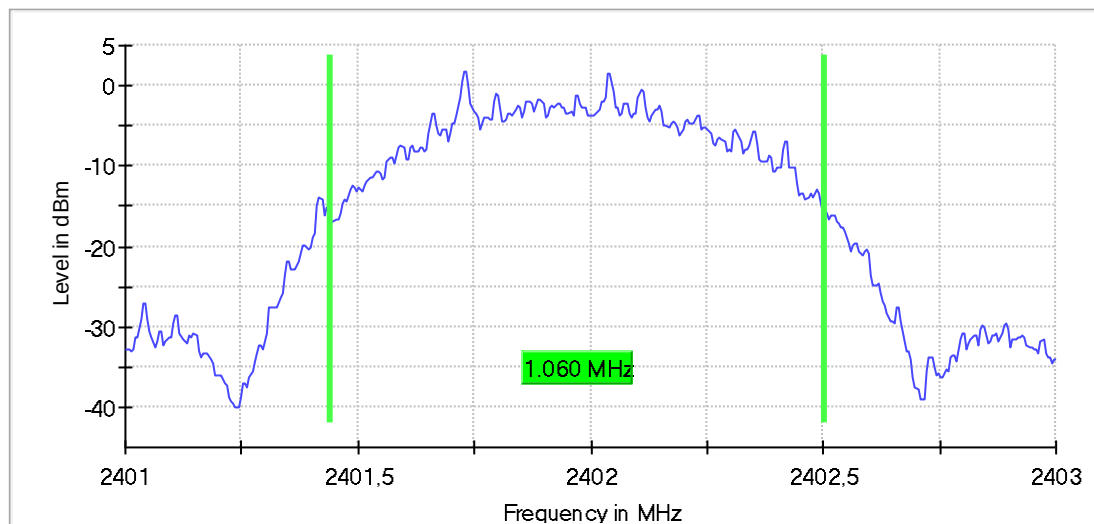
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 1.060000        | ---             | ---             | 2401.442500          | 2402.502500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

Remark: Results for operation mode 1

99 %Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40100 GHz      | 2.40100 GHz   |
| Stop Frequency        | 2.40300 GHz      | 2.40300 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 2.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 50 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.27 dB          | 0.30 dB       |

## Occupied Channel Bandwidth 99% (2440 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 99 % Bandwidth

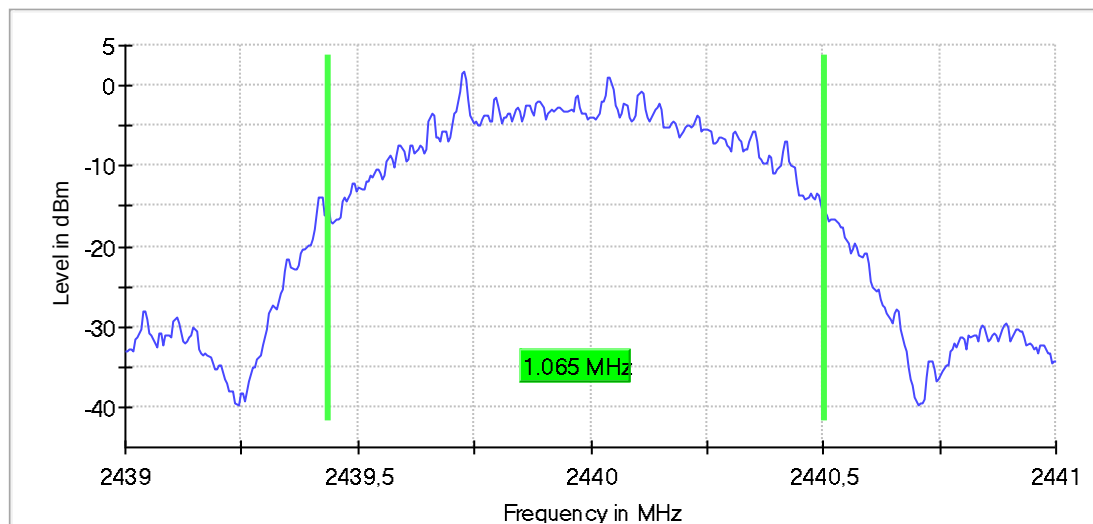
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 1.065000        | ---             | ---             | 2439.437500          | 2440.502500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |

Remark: Results for operation mode 1

99 %Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43900 GHz      | 2.43900 GHz   |
| Stop Frequency        | 2.44100 GHz      | 2.44100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 2.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 32 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.29 dB          | 0.30 dB       |

## Occupied Channel Bandwidth 99% (2480 MHz; BT-5 [1Mbps] ;1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### 99 % Bandwidth

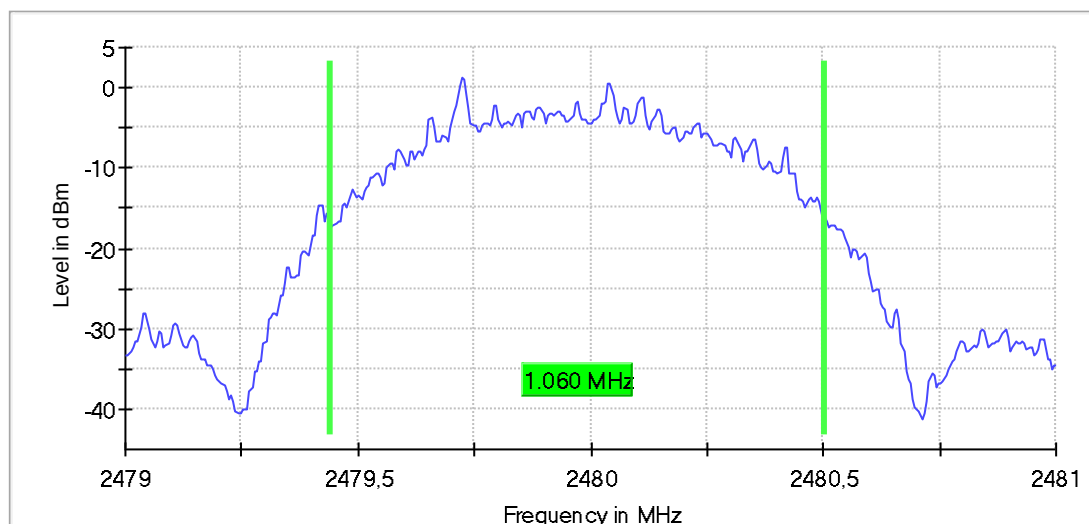
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 1.060000        | ---             | ---             | 2479.442500          | 2480.502500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

Remark: Results for operation mode 1

99 %Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47900 GHz      | 2.47900 GHz   |
| Stop Frequency        | 2.48100 GHz      | 2.48100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| Sweeptime             | 2.000 ms         | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | Sweep            | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 44 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.19 dB          | 0.30 dB       |

## Tx Spurious Emission (2402 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

Remark: Results for operation mode 1

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| 2399.958664     | 2.2                         | -51.3       | -27.8       | 23.5        | PASS   |

Remark: Results for operation mode 1

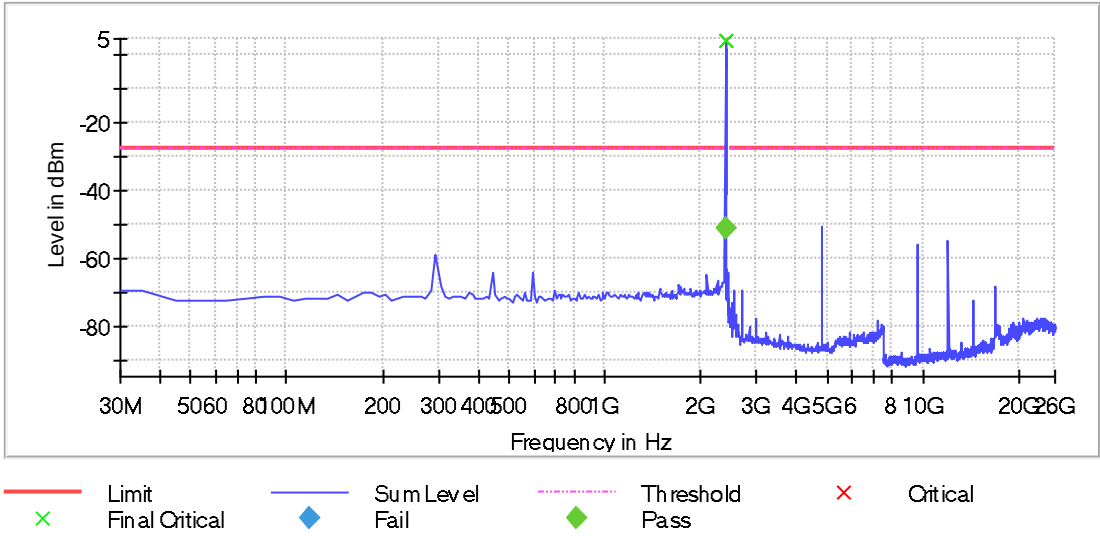
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2395.021008     | 4.2         | -32.0       | -27.8       |
| 4807.166065     | -50.3       | 22.6        | -27.8       |
| 12013.029431    | -54.9       | 27.1        | -27.8       |
| 9604.412133     | -55.8       | 28.0        | -27.8       |
| 293.886555      | -58.9       | 31.1        | -27.8       |
| 2385.063025     | -61.6       | 33.8        | -27.8       |
| 443.256303      | -64.2       | 36.4        | -27.8       |
| 592.626050      | -64.4       | 36.6        | -27.8       |
| 2096.281513     | -64.9       | 37.1        | -27.8       |
| 2375.105042     | -65.2       | 37.4        | -27.8       |
| 2255.609244     | -66.4       | 38.6        | -27.8       |
| 2365.147059     | -67.2       | 39.5        | -27.8       |
| 2355.189076     | -67.3       | 39.5        | -27.8       |
| 2345.231092     | -67.3       | 39.6        | -27.8       |
| 1707.920168     | -67.7       | 39.9        | -27.8       |

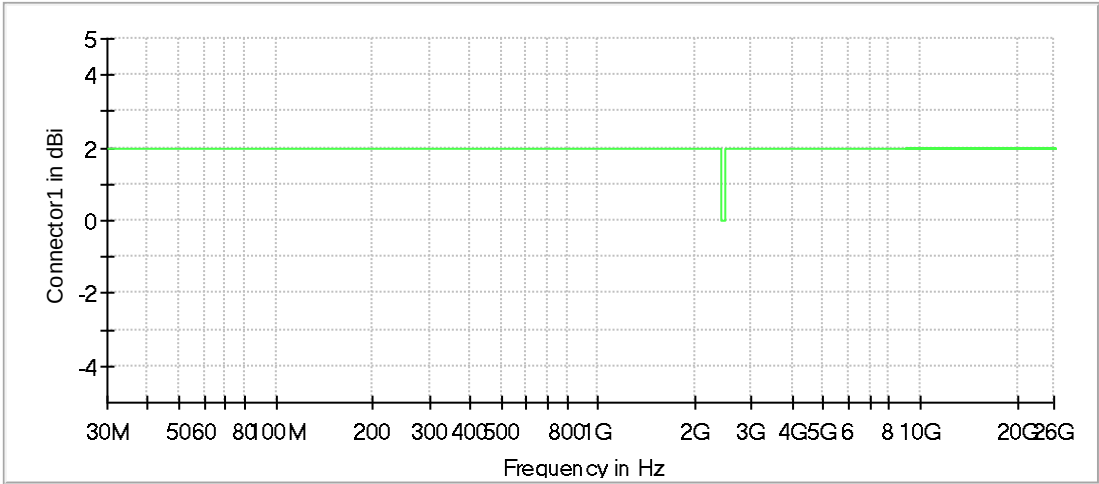
### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2400.000000          | 1               | 1                 |
| 2400.000000           | 2483.500000          | 1               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious

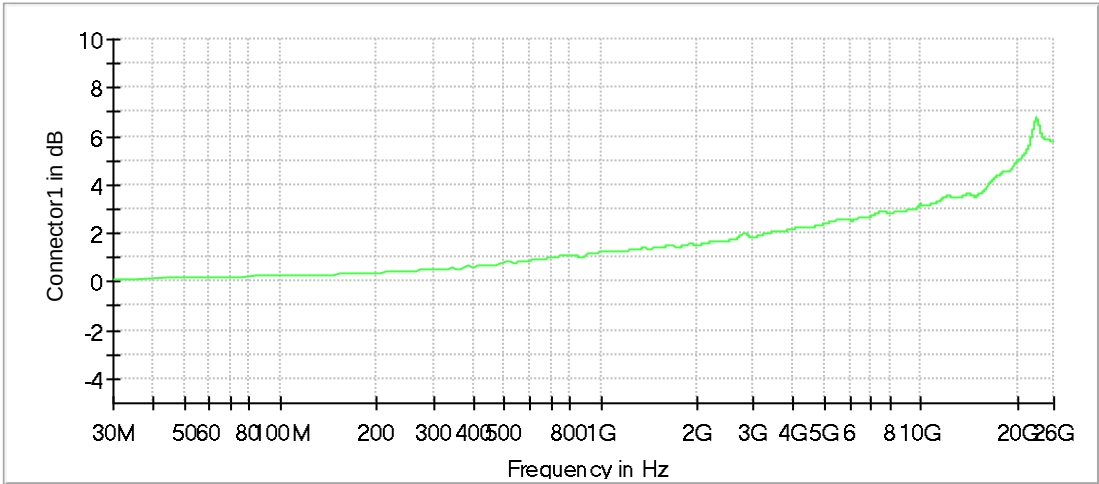


Gain



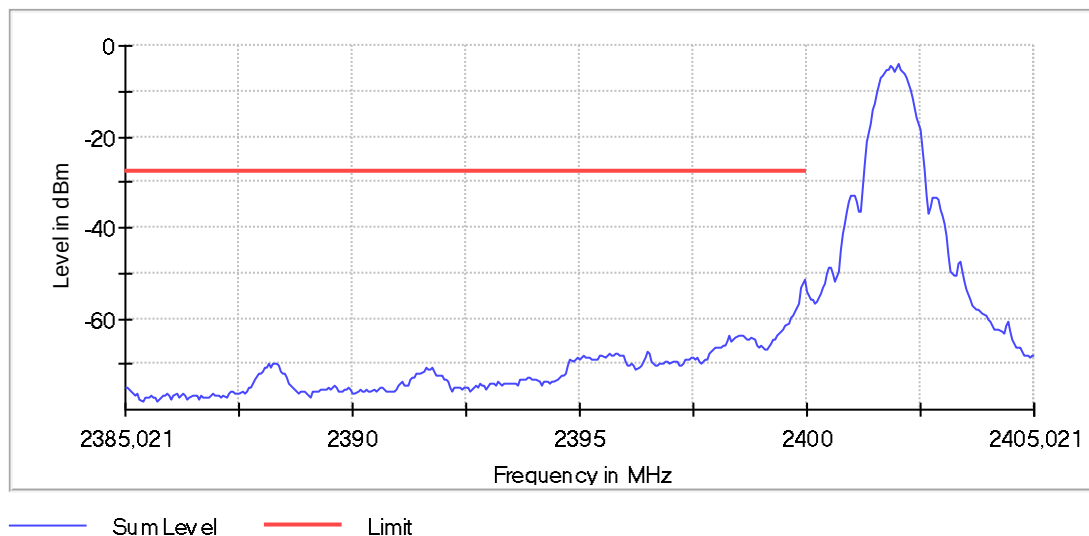
Connector1

Attenuation



Connector1

FinalMeas\_2395021008Hz



## Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 238              | ~ 238          |
| SweepTime             | 23.700 ms        | AUTO           |
| Reference Level       | -10.000 dBm      | -30.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 40      | max. 40        |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Final Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 401              | ~ 401          |
| SweepTime       | 1.000 ms         | AUTO           |
| Reference Level | 0.000 dBm        | 0.000 dBm      |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | Sample           | Sample         |
| SweepCount      | 100              | 100            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Average Linear   | Average Linear |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

## Tx Spurious Emission (2440 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |

Remark: Results for operation mode 1

### Final measurements

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

Remark: Results for operation mode 1

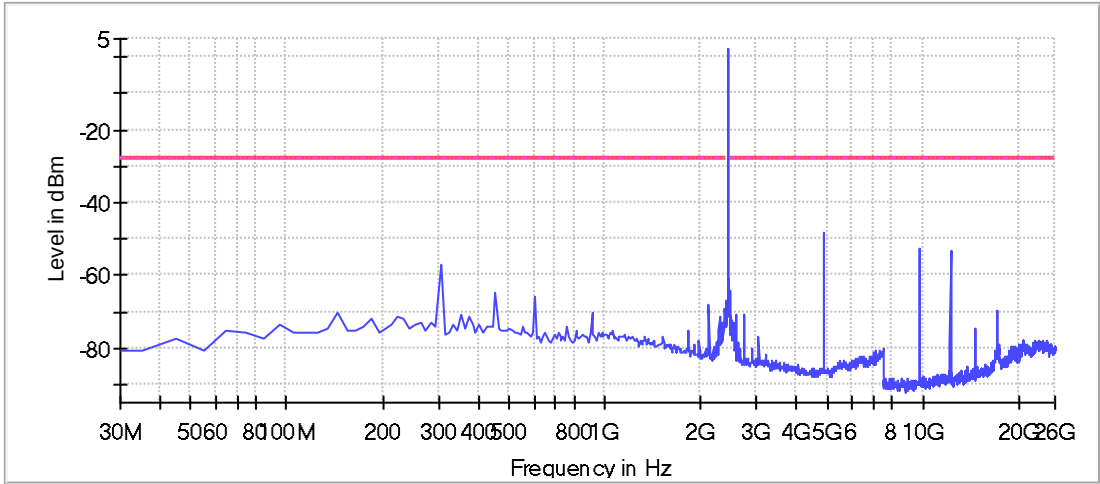
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4877.125903     | -48.2       | 20.4        | -27.9       |
| 9764.320336     | -52.6       | 24.7        | -27.9       |
| 12202.920421    | -53.5       | 25.6        | -27.9       |
| 9754.326073     | -55.3       | 27.4        | -27.9       |
| 303.844538      | -57.0       | 29.1        | -27.9       |
| 453.214286      | -65.0       | 37.1        | -27.9       |
| 602.584034      | -65.8       | 38.0        | -27.9       |
| 2126.155462     | -68.2       | 40.3        | -27.9       |
| 2385.063025     | -69.4       | 41.5        | -27.9       |
| 17080.120591    | -69.7       | 41.8        | -27.9       |
| 911.281513      | -70.4       | 42.5        | -27.9       |
| 144.516807      | -70.5       | 42.7        | -27.9       |
| 2588.439758     | -70.6       | 42.7        | -27.9       |
| 2748.347960     | -70.9       | 43.0        | -27.9       |
| 353.634454      | -71.1       | 43.2        | -27.9       |

### Measurement Settings

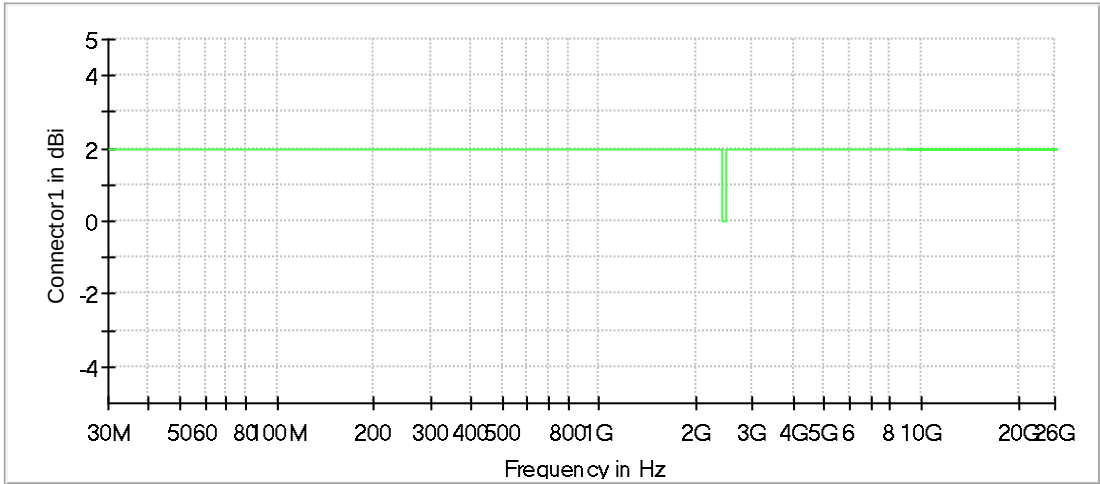
| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2400.000000          | 1               | 1                 |
| 2400.000000           | 2483.500000          | 1               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious

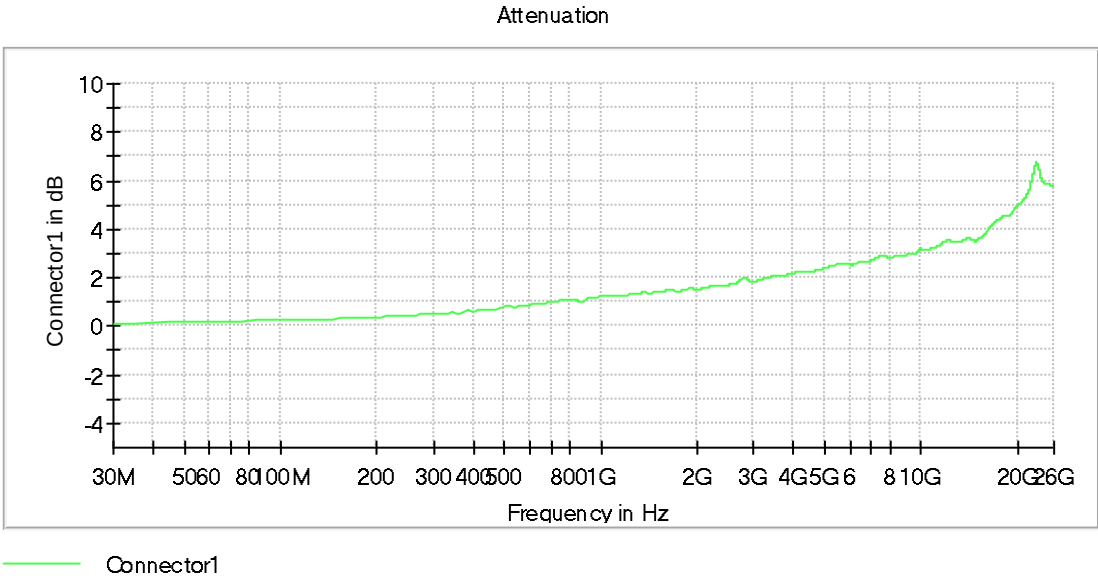


— Limit — Sum Level - - - Threshold × Critical × Final Critical

Gain



— Connector1



Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 238              | ~ 238          |
| SweepTime             | 23.700 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 40      | max. 40        |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## Tx Spurious Emission (2480 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

Remark: Results for operation mode 1

### Final measurements

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

Remark: Results for operation mode 1

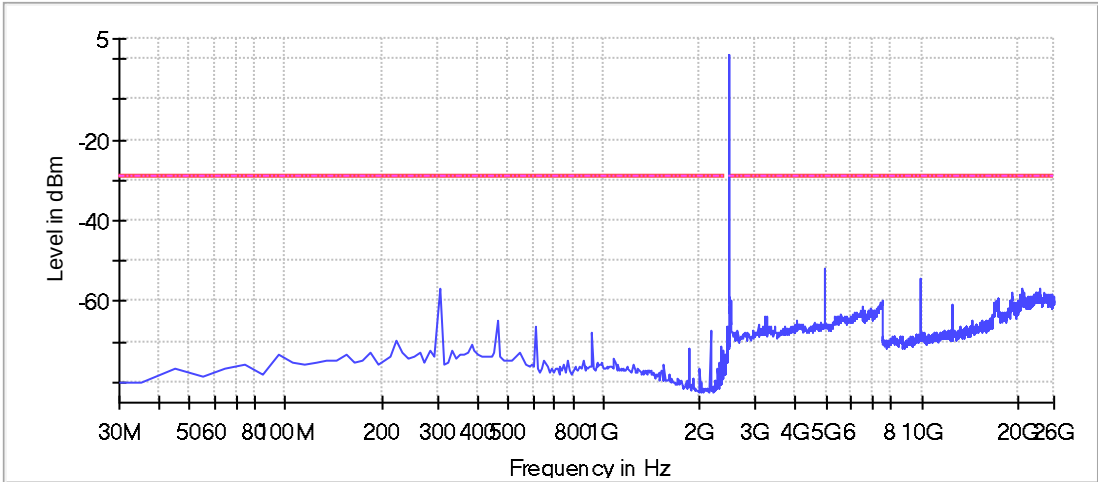
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4957.080004     | -51.7       | 22.6        | -29.1       |
| 9914.234275     | -54.3       | 25.2        | -29.1       |
| 9924.228538     | -54.3       | 25.2        | -29.1       |
| 303.844538      | -56.7       | 27.6        | -29.1       |
| 20558.123991    | -56.8       | 27.7        | -29.1       |
| 23476.448683    | -57.0       | 27.9        | -29.1       |
| 20508.152677    | -57.4       | 28.3        | -29.1       |
| 20538.135465    | -57.4       | 28.3        | -29.1       |
| 22916.769975    | -57.6       | 28.5        | -29.1       |
| 24365.938058    | -57.7       | 28.7        | -29.1       |
| 23126.649490    | -57.8       | 28.8        | -29.1       |
| 21077.825648    | -57.9       | 28.8        | -29.1       |
| 20548.129728    | -57.9       | 28.9        | -29.1       |
| 23036.701126    | -58.0       | 28.9        | -29.1       |
| 19088.967382    | -58.0       | 28.9        | -29.1       |

### Measurement Settings

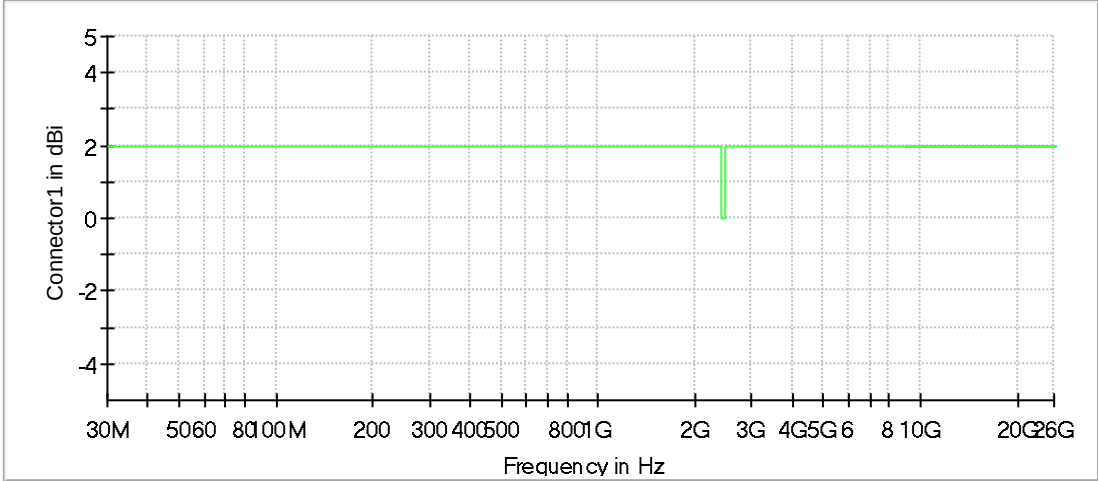
| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 2400.000000          | 1               | 1                 |
| 2400.000000           | 2483.500000          | 1               | 1                 |
| 2483.500000           | 26000.000000         | 1               | 1                 |

Spurious

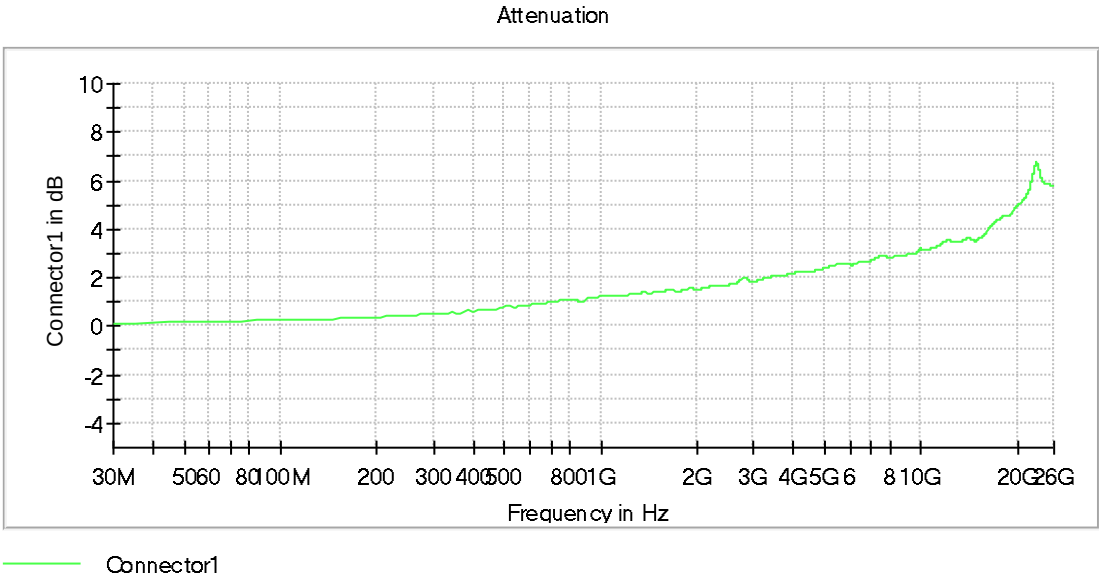


— Limit    — Sum Level    - - - Threshold    × Critical    × Final Critical

Gain



— Connector1



Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 238              | ~ 238          |
| SweepTime             | 23.700 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 3                | 3              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 40      | max. 40        |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.10 dB          | 0.50 dB        |

## RF output power (2402 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

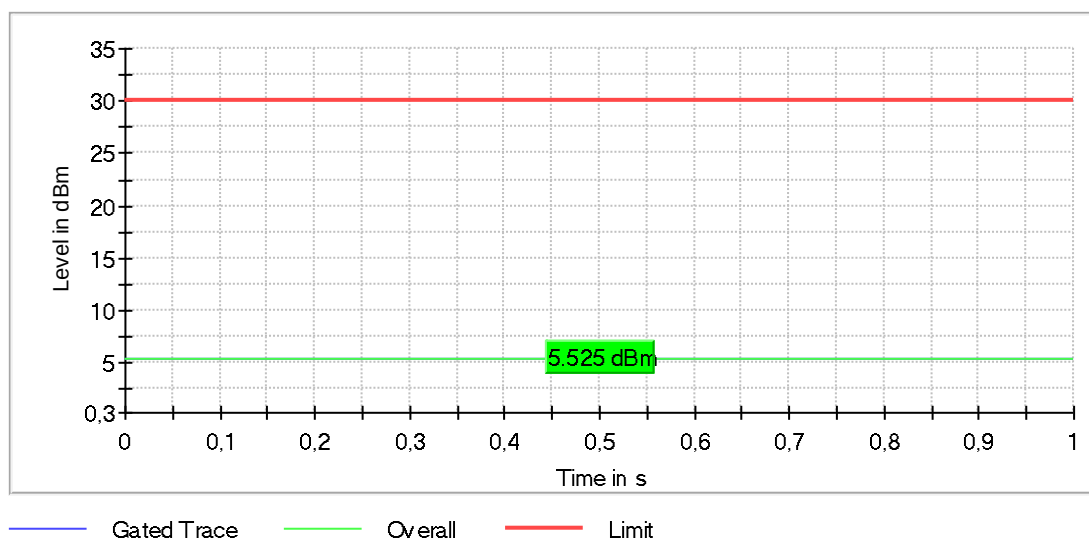
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2402.000000         | 5.5             | 30.0            | 5.5              | 100.000       | PASS   |

Remark: Results for operation mode 2

Gated Trace



### OSP PowerMeter settings

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

## RF output power (2440 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

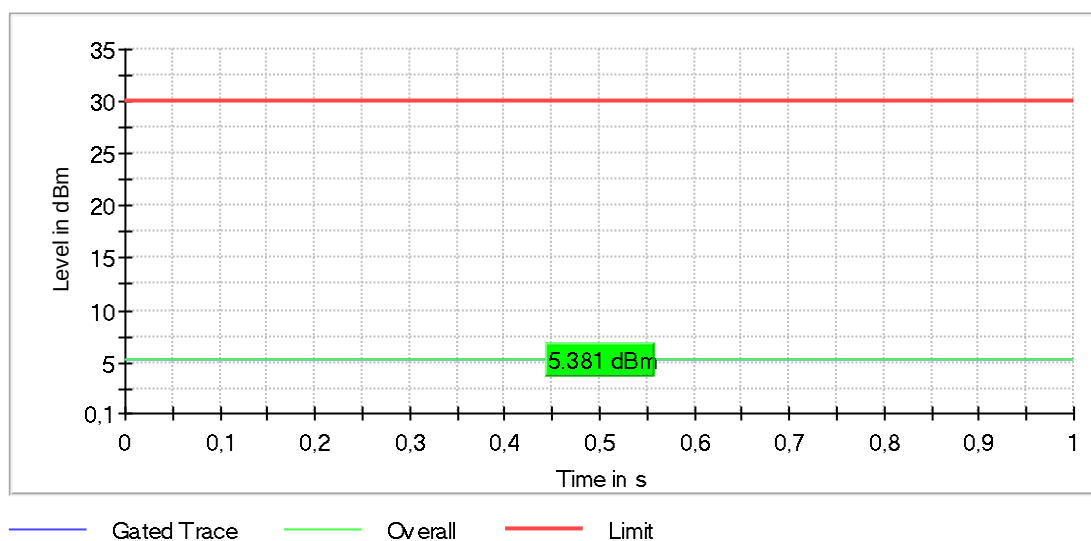
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2440.000000         | 5.4             | 30.0            | 5.4              | 100.000       | PASS   |

Remark: Results for operation mode 2

Gated Trace



### OSP PowerMeter settings

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

## RF output power (2480 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

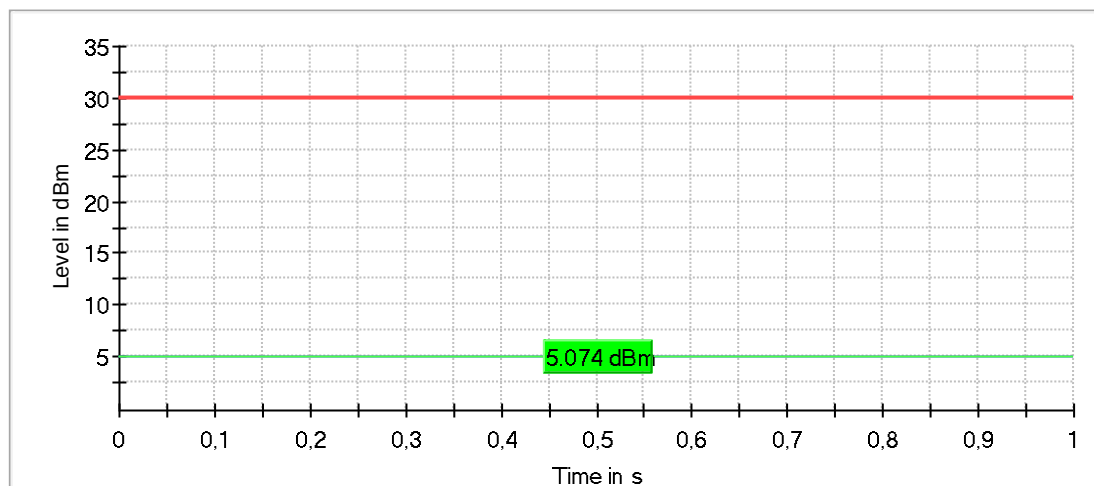
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 2480.000000         | 5.1             | 30.0            | 5.1              | 100.000       | PASS   |

Remark: Results for operation mode 2

Gated Trace



— Gated Trace — Overall — Limit

### OSP PowerMeter settings

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

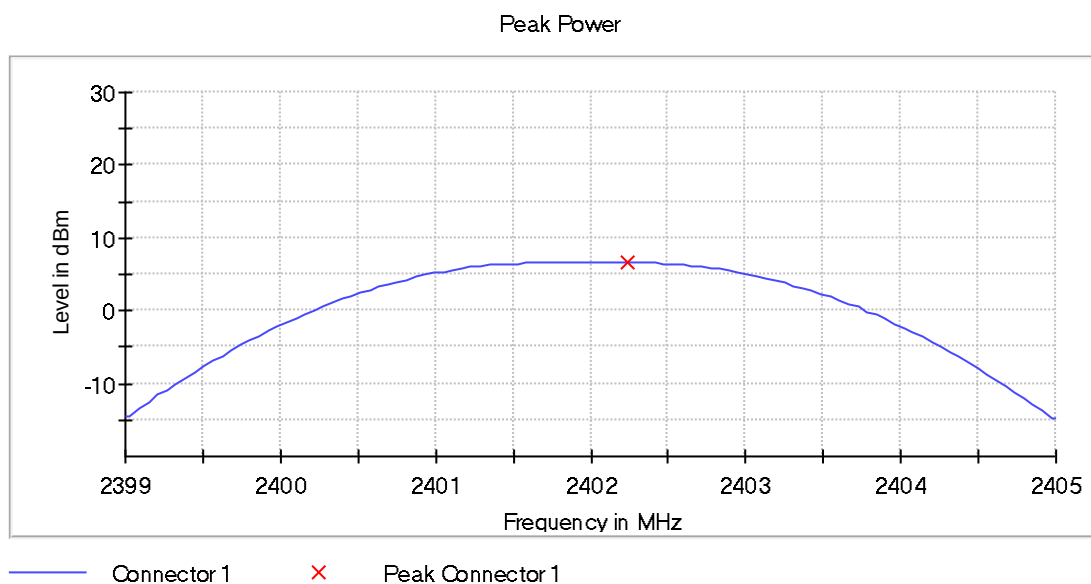
## Peak output power (Sweep) (2402 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2402.000000         | 6.6              | 30.0            | PASS   |

Remark: Results for operation mode 2



### Measurement

| Setting               | Instrument Value | Target Value     |
|-----------------------|------------------|------------------|
| Start Frequency       | 2.39900 GHz      | 2.39900 GHz      |
| Stop Frequency        | 2.40500 GHz      | 2.40500 GHz      |
| Span                  | 6.000 MHz        | 6.000 MHz        |
| RBW                   | 2.000 MHz        | $\geq 1.000$ MHz |
| VBW                   | 10.000 MHz       | $\geq 6.000$ MHz |
| SweepPoints           | 101              | ~ 101            |
| SweepTime             | 1.000 ms         | AUTO             |
| Reference Level       | 0.000 dBm        | 0.000 dBm        |
| Attenuation           | 10.000 dB        | AUTO             |
| Detector              | MaxPeak          | MaxPeak          |
| SweepCount            | 100              | 100              |
| Filter                | 3 dB             | 3 dB             |
| Trace Mode            | Max Hold         | Max Hold         |
| SweepType             | Sweep            | AUTO             |
| Preamp                | off              | off              |
| Stablemode            | Trace            | Trace            |
| Stablevalue           | 0.50 dB          | 0.50 dB          |
| Run                   | 4 / max. 150     | max. 150         |
| Stable                | 3 / 3            | 3                |
| Max Stable Difference | 0.05 dB          | 0.50 dB          |

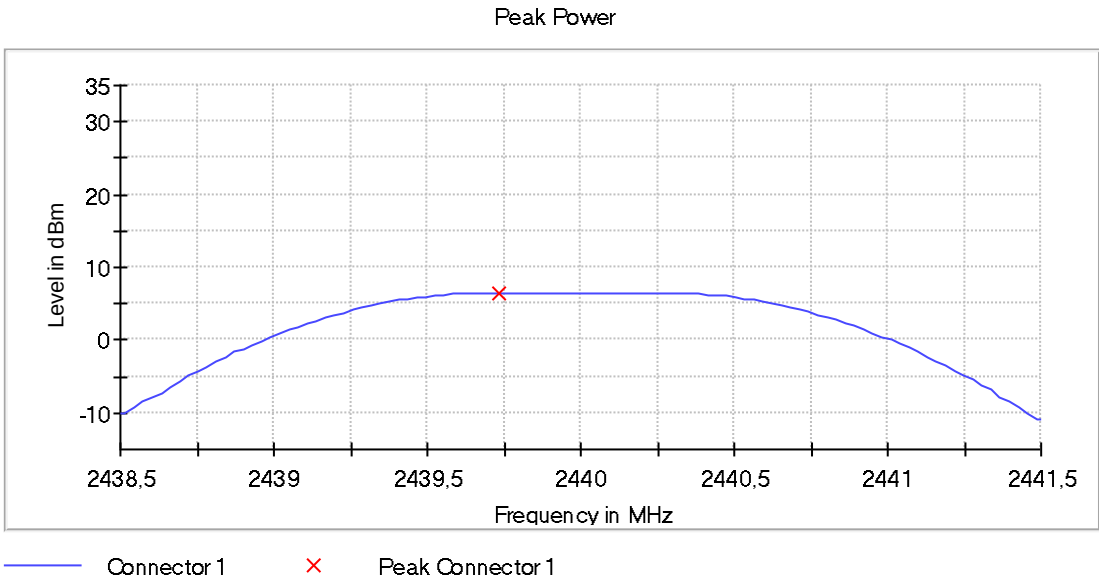
# Peak output power (Sweep) (2440 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

## Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2440.000000         | 6.5              | 30.0            | PASS   |

Remark: Results for operation mode 2



## Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.43850 GHz      | 2.43850 GHz    |
| Stop Frequency        | 2.44150 GHz      | 2.44150 GHz    |
| Span                  | 3.000 MHz        | 3.000 MHz      |
| RBW                   | 1.000 MHz        | >= 732.675 kHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz   |
| SweepPoints           | 101              | ~ 101          |
| SweepTime             | 1.000 ms         | AUTO           |
| Reference Level       | 0.000 dBm        | 0.000 dBm      |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.07 dB          | 0.50 dB        |

## Peak output power (Sweep) (2480 MHz; BT-5 [1Mbps] (0 dBm); 1 MHz)

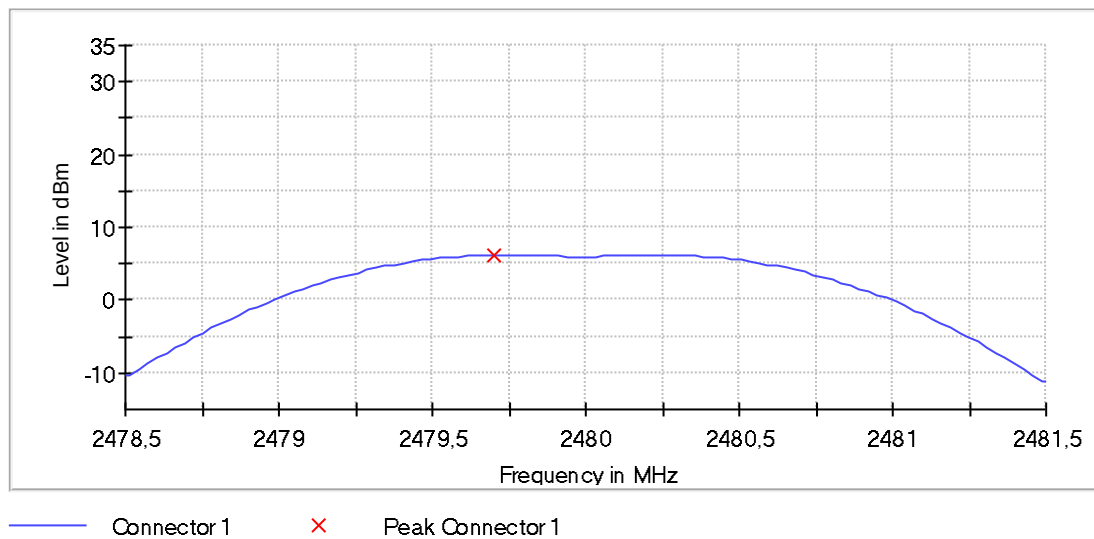
Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013

### Result

| DUT Frequency (MHz) | Peak Power (dBm) | Limit Max (dBm) | Result |
|---------------------|------------------|-----------------|--------|
| 2480.000000         | 6.1              | 30.0            | PASS   |

Remark: Results for operation mode 2

Peak Power



### Measurement

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| Start Frequency       | 2.47850 GHz      | 2.47850 GHz        |
| Stop Frequency        | 2.48150 GHz      | 2.48150 GHz        |
| Span                  | 3.000 MHz        | 3.000 MHz          |
| RBW                   | 1.000 MHz        | $\geq 752.477$ kHz |
| VBW                   | 3.000 MHz        | $\geq 3.000$ MHz   |
| SweepPoints           | 101              | ~ 101              |
| SweepTime             | 1.000 ms         | AUTO               |
| Reference Level       | 0.000 dBm        | 0.000 dBm          |
| Attenuation           | 10.000 dB        | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 100              | 100                |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | Sweep            | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 4 / max. 150     | max. 150           |
| Stable                | 3 / 3            | 3                  |
| Max Stable Difference | 0.08 dB          | 0.50 dB            |

**End Of Annex 1**