# Measurement Results

1-0437/20-01-05_log3_conducted

Test logging

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2021.02.03 15:58:17 +01'00'

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# Table of Content

# EUT Summary

| IUT DEFINITION & Common settings | |
|---|---|
| Manufacturer | KUNBUS GmbH |
| Type | KE2640MODA1 |
| Serial No. \| Setup No. | Device 2 \| Antenna gain 5 |
| SW Version \| HW Version | 1.0.1 \| PR100335R01 |
| Comment 1 \| 2 | |
| Tlow \| Tmid \| Thigh [°C] | -40 \| 20 \| 85 |
| Vlow \| Vmid \| Vhigh [V] @Imax [A] | 5 \| 5 \| 5 @1 |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0.7 |

| IUT Common Settings 2G4 | |
|---|---|
| Hopping supported | No |
| Burst length [ms] | 10 |
| Nominal Bandwidth [MHz] | 2.5 |
| User Interaction | No |

# 1. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4

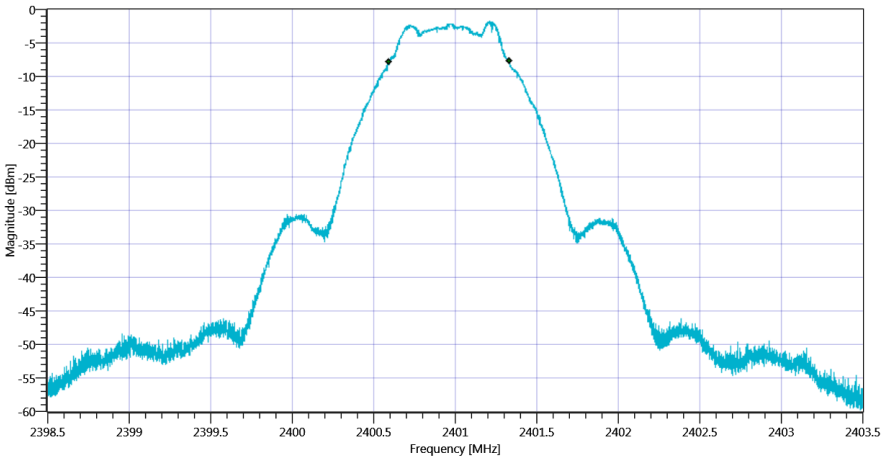
| Test References | |
|---|---|
| TC Start | 09.12.2020 14:47:25 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.6 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth |
| Class / TC Version | TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Maximum Peak Output Power Conducted DTS4 - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2401 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.32 \| 16.26 \| 5 |
| Start [MHz] \| Stop [MHz] | 2398.500 \| 2403.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

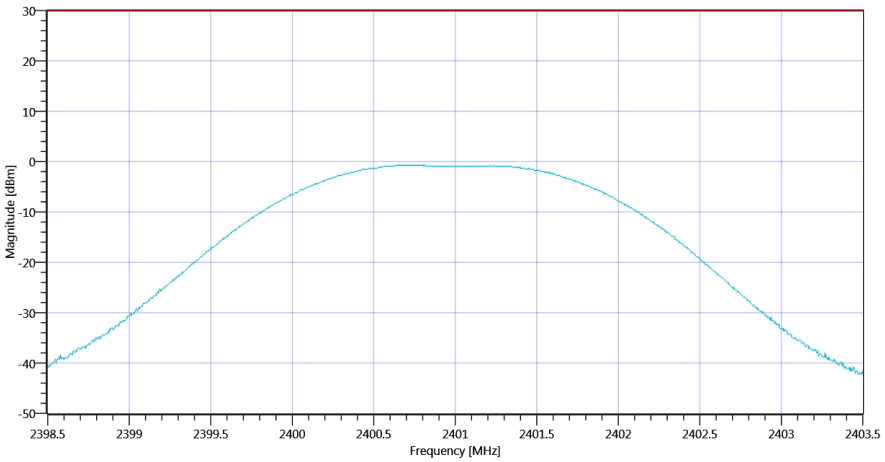
| DTS Bandwidth | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| DTS Bandwidth (6dB) | --- | --- | 743 | kHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4 DTS BW_09122020_144752.png

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.32 \| 16.26 \| 10 |
| Start [MHz] \| Stop [MHz] | 2398.500 \| 2403.500 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 5.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 1001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peak Power | --- | 30.00 | -0.73 | dBm | PASS |
| Peak Power | --- | 1000 | 0.845279 | mW | PASS |
| Frequency at Peak | --- | --- | 2400.73 | MHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4_09122020_144808.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:48:08 / RT: 43 s | PASS |

# 2. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4

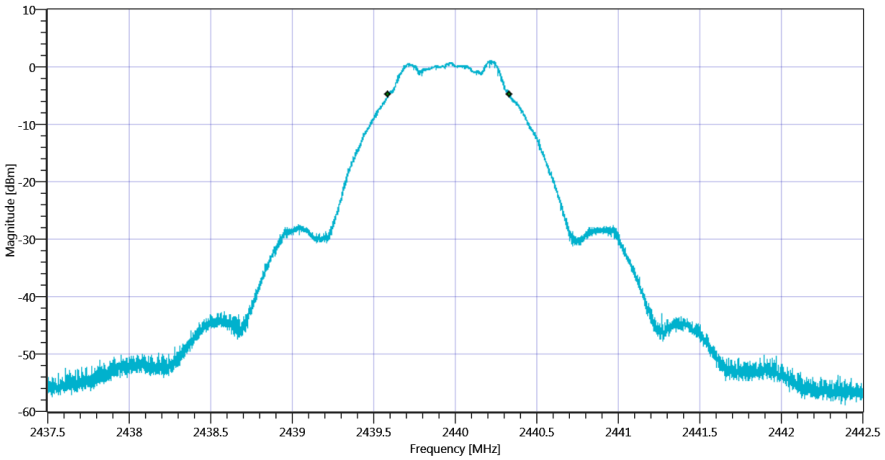
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:03:49 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.8 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth |
| Class / TC Version | TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Maximum Peak Output Power Conducted DTS4 - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | True \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2440 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.03 \| 16.18 \| 10 |
| Start [MHz] \| Stop [MHz] | 2437.500 \| 2442.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

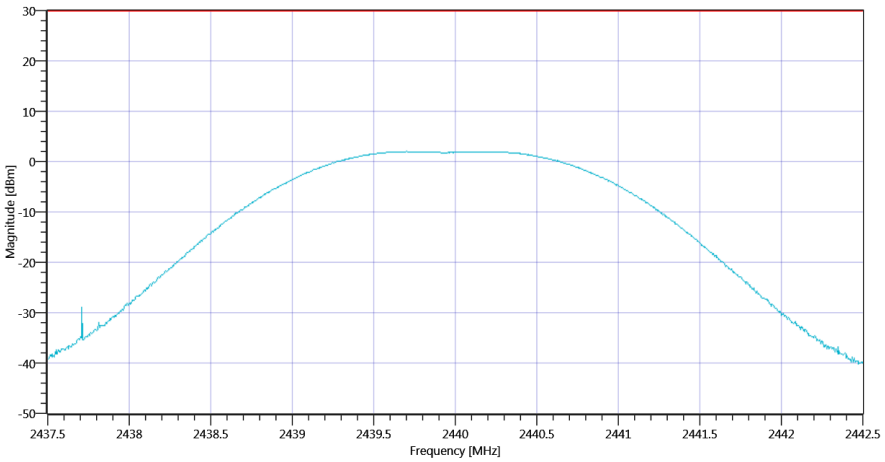
| DTS Bandwidth | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| DTS Bandwidth (6dB) | --- | --- | 741 | kHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4 DTS BW_09122020_150417.png

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.03 \| 16.18 \| 15 |
| Start [MHz] \| Stop [MHz] | 2437.500 \| 2442.500 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 5.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 1001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peak Power | --- | 30.00 | 1.99 | dBm | PASS |
| Peak Power | --- | 1000 | 1.581248 | mW | PASS |
| Frequency at Peak | --- | --- | 2439.7 | MHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4_09122020_150434.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:04:34 / RT: 45 s | PASS |

# 3. FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4

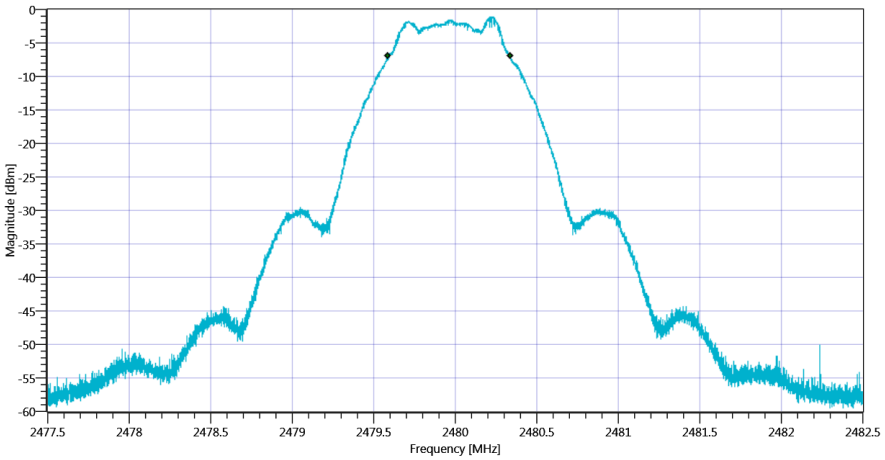
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:12:44 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth |
| Class / TC Version | TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Maximum Peak Output Power Conducted DTS4 - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2480 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.13 \| 16.11 \| 5 |
| Start [MHz] \| Stop [MHz] | 2477.500 \| 2482.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

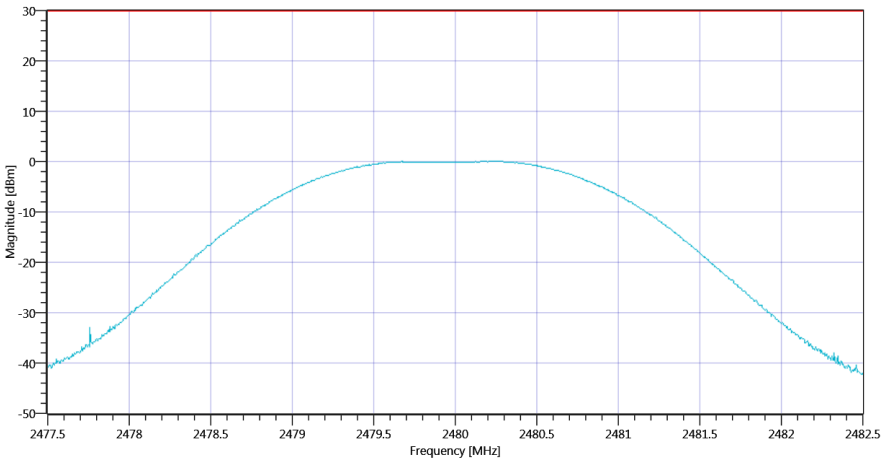
| DTS Bandwidth | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| DTS Bandwidth (6dB) | --- | --- | 747 | kHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4 DTS BW_09122020_151312.png

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.13 \| 16.11 \| 10 |
| Start [MHz] \| Stop [MHz] | 2477.500 \| 2482.500 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 5.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 1001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peak Power | --- | 30.00 | 0.07 | dBm | PASS |
| Peak Power | --- | 1000 | 1.016249 | mW | PASS |
| Frequency at Peak | --- | --- | 2480.18 | MHz | INFO |




Plot_FCC Part 15.247 Maximum Peak Conducted Output Power DTS ~ Generic 2G4_09122020_151328.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:13:29 / RT: 44 s | PASS |

# 4. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 14:48:12 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.5 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | 99 |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_6dB_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Bandwidth 6DB DTS - Generic 2G4 |
| Add. Information | |

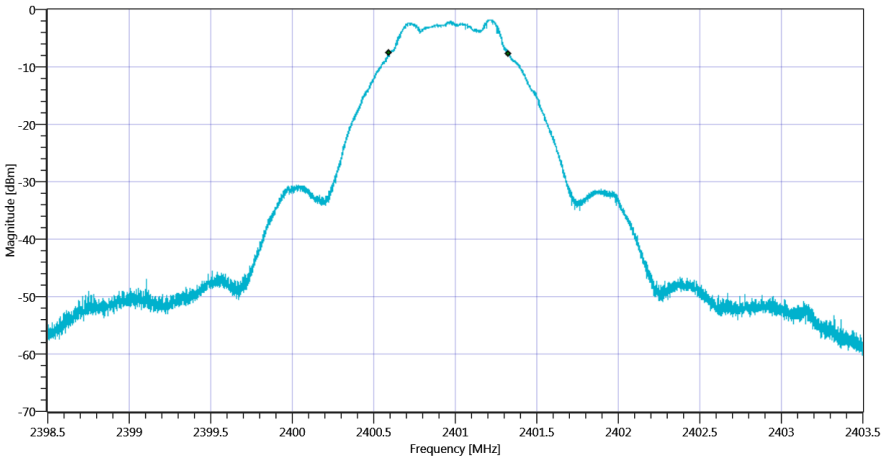
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2401 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.20 \| 16.26 \| 5 |
| Start [MHz] \| Stop [MHz] | 2398.500 \| 2403.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| DTS Bandwidth (6dB) | 500 | --- | 734 | kHz | PASS |




Plot_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4_09122020_144840.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:48:41 / RT: 28 s | PASS |

# 5. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 15:04:38 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.8 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | 99 |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_6dB_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Bandwidth 6DB DTS - Generic 2G4 |
| Add. Information | |

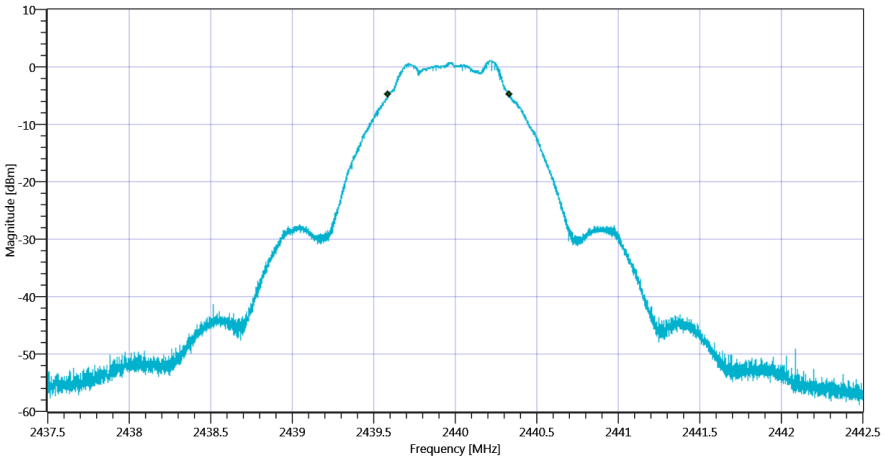
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | True \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2440 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.00 \| 16.18 \| 10 |
| Start [MHz] \| Stop [MHz] | 2437.500 \| 2442.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| DTS Bandwidth (6dB) | 500 | --- | 745 | kHz | PASS |




Plot_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4_09122020_150506.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:05:07 / RT: 28 s | PASS |

# 6. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4

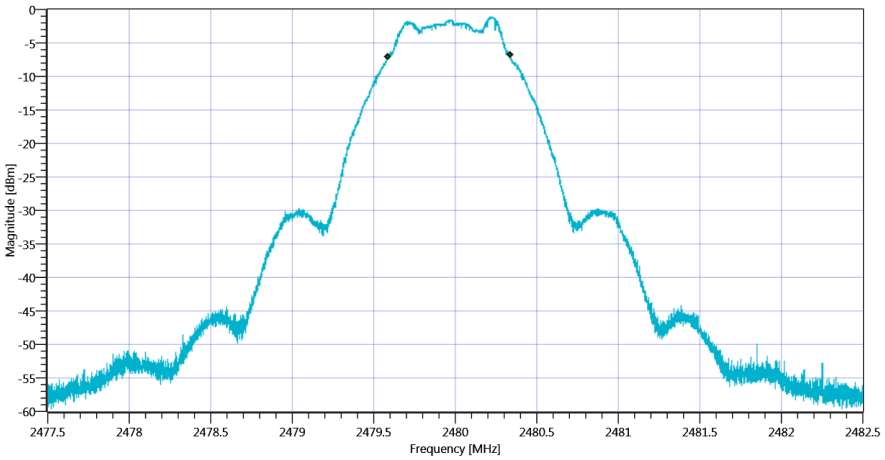
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:13:33 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | 99 |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_6dB_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Bandwidth 6DB DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2480 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.16 \| 16.11 \| 5 |
| Start [MHz] \| Stop [MHz] | 2477.500 \| 2482.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| DTS Bandwidth (6dB) | 500 | --- | 754 | kHz | PASS |




Plot_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4_09122020_151401.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:14:01 / RT: 28 s | PASS |

# 7. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 14:48:45 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.5 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| Class / TC Version | TC_VM_FCC15247_Peak_Power_Spectral_Density_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Peak Power Spectral Density DTS - Generic 2G4 |
| Add. Information | |

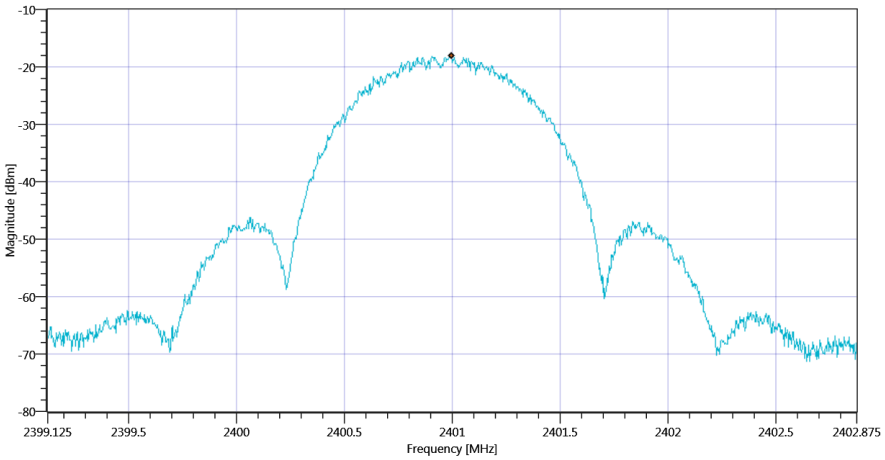
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2401 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.17 \| 16.26 \| 5 |
| Start [MHz] \| Stop [MHz] | 2399.125 \| 2402.875 |
| RBW [MHz] \| VBW [MHz] | 0.003000 \| 0.010000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1000 \| 20 \| 1001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Max Peak power Density | --- | 8 | -18.13 | dBm/3KHz | PASS |




Plot_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4_09122020_144922.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:49:23 / RT: 37 s | PASS |

# 8. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 15:05:11 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.7 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| Class / TC Version | TC_VM_FCC15247_Peak_Power_Spectral_Density_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Peak Power Spectral Density DTS - Generic 2G4 |
| Add. Information | |

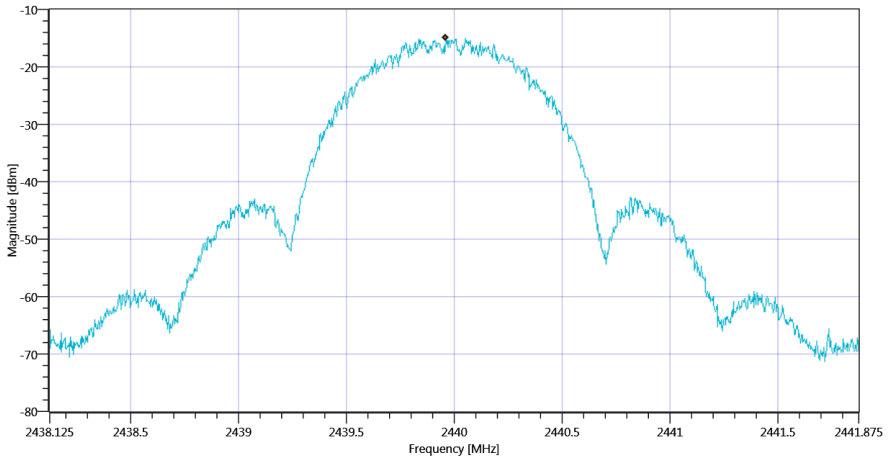
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | True \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2440 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.06 \| 16.18 \| 10 |
| Start [MHz] \| Stop [MHz] | 2438.125 \| 2441.875 |
| RBW [MHz] \| VBW [MHz] | 0.003000 \| 0.010000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1000 \| 20 \| 1001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Max Peak power Density | --- | 8 | -14.87 | dBm/3KHz | PASS |




Plot_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4_09122020_150549.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:05:49 / RT: 37 s | PASS |

# 9. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 15:14:06 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission |
| Class / TC Version | TC_VM_FCC15247_Peak_Power_Spectral_Density_DTS_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Peak Power Spectral Density DTS - Generic 2G4 |
| Add. Information | |

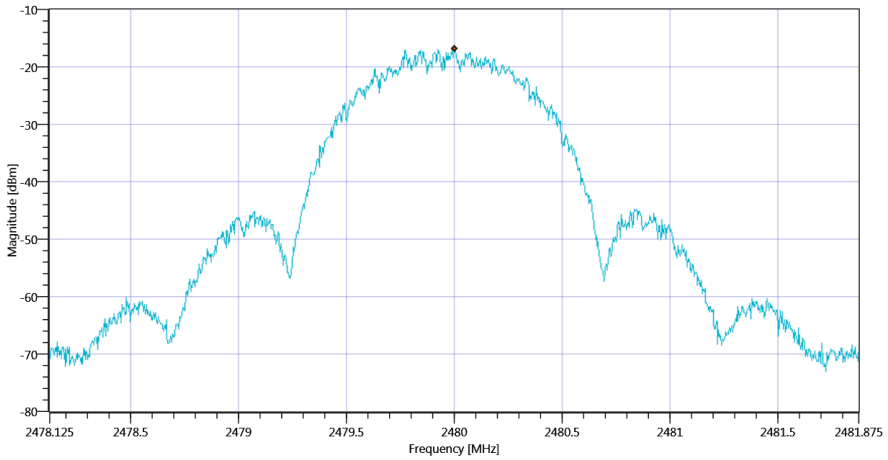
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2480 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.08 \| 16.11 \| 5 |
| Start [MHz] \| Stop [MHz] | 2478.125 \| 2481.875 |
| RBW [MHz] \| VBW [MHz] | 0.003000 \| 0.010000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1000 \| 20 \| 1001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Max Peak power Density | --- | 8 | -16.86 | dBm/3KHz | PASS |




Plot_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4_09122020_151443.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:14:44 / RT: 38 s | PASS |

# 10. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4

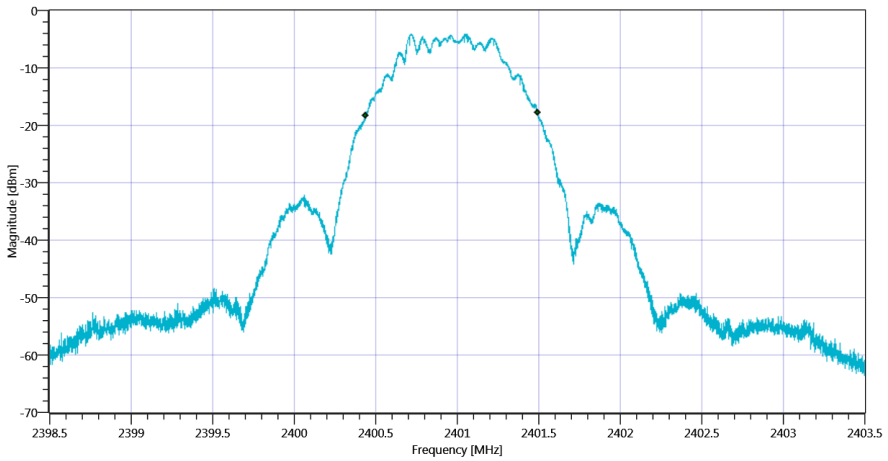
| Test References | |
|---|---|
| TC Start | 09.12.2020 14:49:27 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.4 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 |
| My Description | FCC 15.247 Bandwidth 99PCT-20DB DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

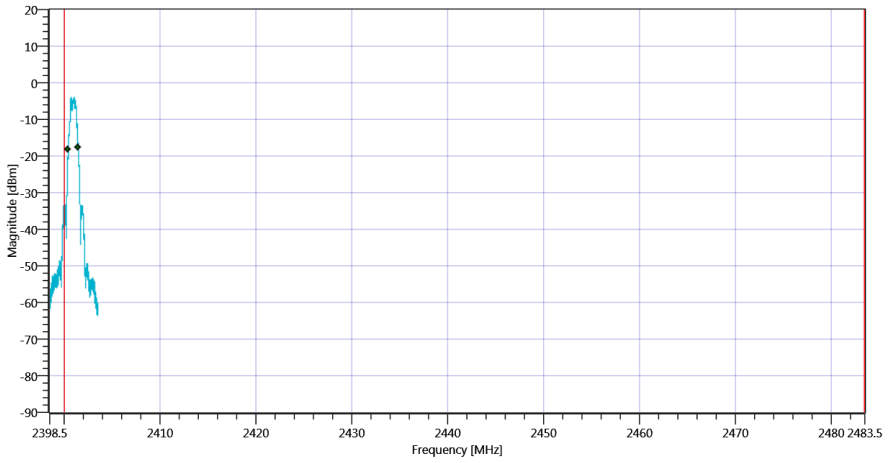
## Test at TX 2401 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.19 \| 16.26 \| 5 |
| Start [MHz] \| Stop [MHz] | 2398.500 \| 2403.500 |
| RBW [MHz] \| VBW [MHz] | 0.050000 \| 0.200000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 99% | --- | --- | 1051 | kHz | INFO |
| T1 99% | 2400.000000 | --- | 2400.4396 | MHz | PASS |
| T2 99% | --- | 2483.500000 | 2401.4910 | MHz | PASS |

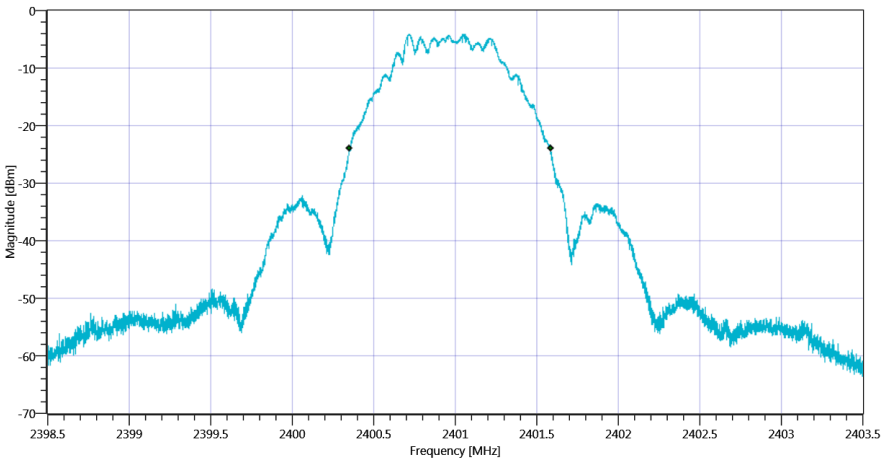



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_09122020_144955.png

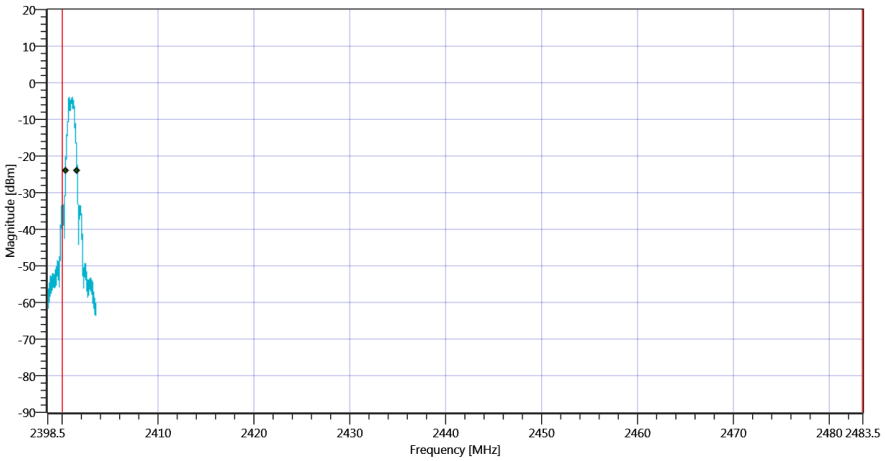



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_144959.png

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 20dB | --- | --- | 1235 | kHz | INFO |
| T1 20DB | 2400.000000 | --- | 2400.3490 | MHz | PASS |
| T2 20dB | --- | 2483.500000 | 2401.5840 | MHz | PASS |




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_09122020_145004.png




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_145008.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:50:08 / RT: 41 s | PASS |

# 11. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4

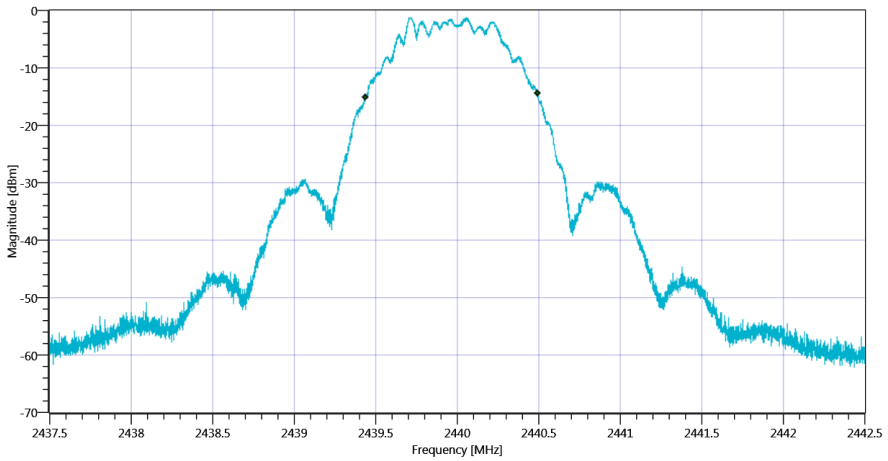
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:05:54 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.8 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 |
| My Description | FCC 15.247 Bandwidth 99PCT-20DB DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | True \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

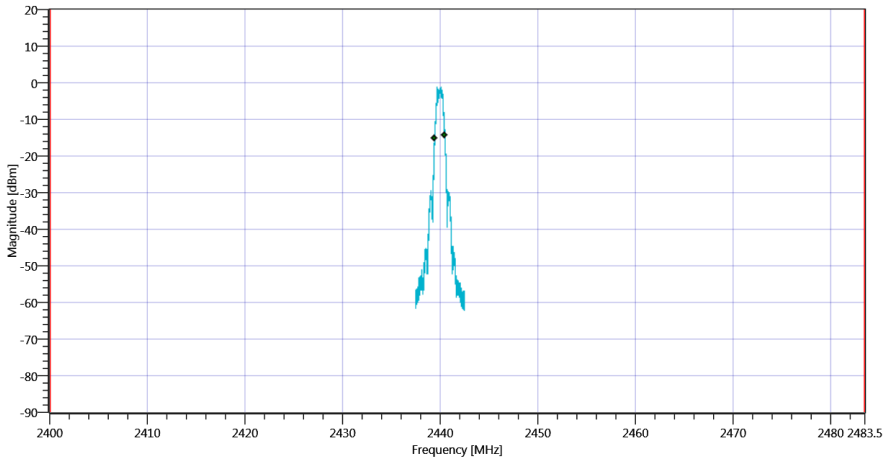
## Test at TX 2440 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.01 \| 16.18 \| 10 |
| Start [MHz] \| Stop [MHz] | 2437.500 \| 2442.500 |
| RBW [MHz] \| VBW [MHz] | 0.050000 \| 0.200000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 99% | --- | --- | 1056 | kHz | INFO |
| T1 99% | 2400.000000 | --- | 2439.4361 | MHz | PASS |
| T2 99% | --- | 2483.500000 | 2440.4920 | MHz | PASS |

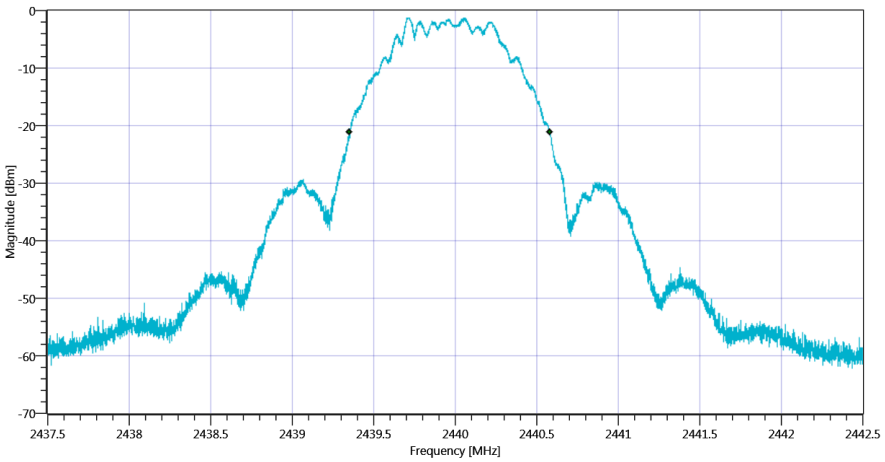



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_09122020_150622.png

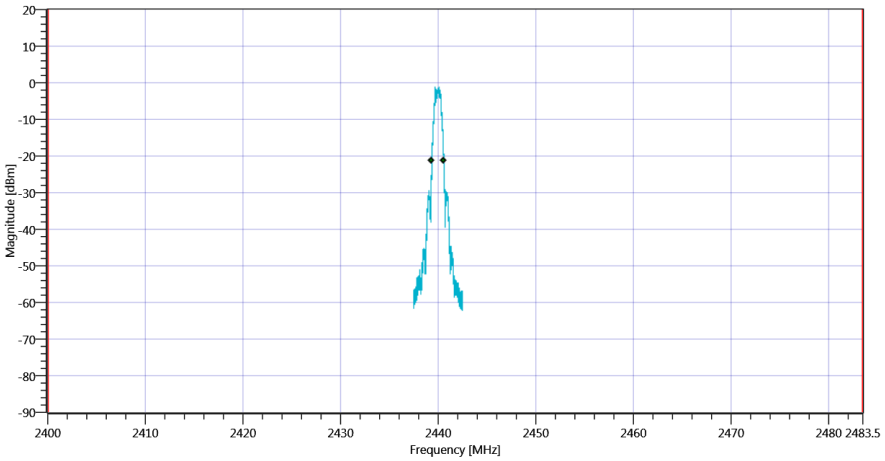



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_150626.png

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 20dB | --- | --- | 1232 | kHz | INFO |
| T1 20DB | 2400.000000 | --- | 2439.3510 | MHz | PASS |
| T2 20dB | --- | 2483.500000 | 2440.5830 | MHz | PASS |




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_09122020_150631.png




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_150635.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:06:35 / RT: 41 s | PASS |

# 12. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4

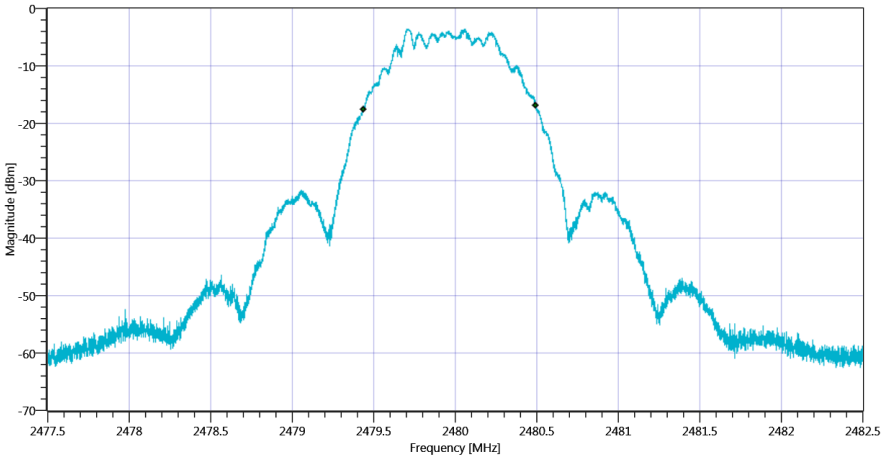
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:14:48 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | |
| Class / TC Version | TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 |
| My Description | FCC 15.247 Bandwidth 99PCT-20DB DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

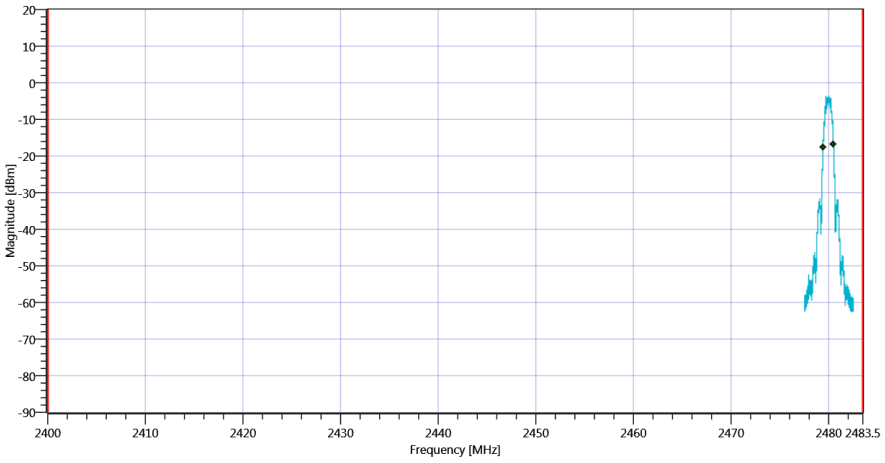
## Test at TX 2480 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.09 \| 16.11 \| 5 |
| Start [MHz] \| Stop [MHz] | 2477.500 \| 2482.500 |
| RBW [MHz] \| VBW [MHz] | 0.050000 \| 0.200000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 50 \| 200 \| 10001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 99% | --- | --- | 1061 | kHz | INFO |
| T1 99% | 2400.000000 | --- | 2479.4351 | MHz | PASS |
| T2 99% | --- | 2483.500000 | 2480.4960 | MHz | PASS |

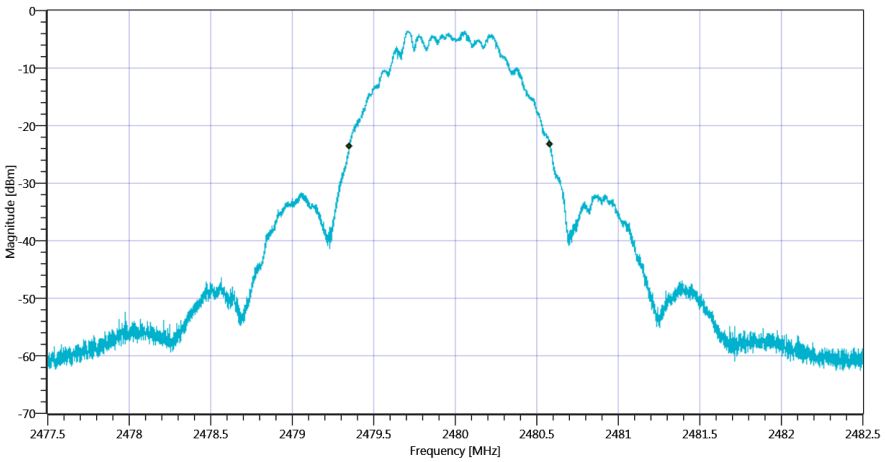



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_09122020_151516.png

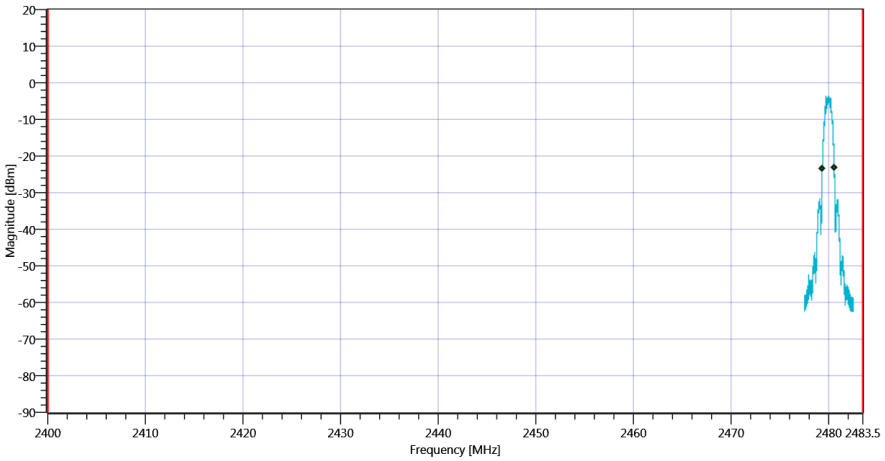



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_151520.png

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 20dB | --- | --- | 1233 | kHz | INFO |
| T1 20DB | 2400.000000 | --- | 2479.3495 | MHz | PASS |
| T2 20dB | --- | 2483.500000 | 2480.5820 | MHz | PASS |




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_09122020_151525.png




Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_09122020_151529.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:15:30 / RT: 41 s | PASS |

# 13. FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4

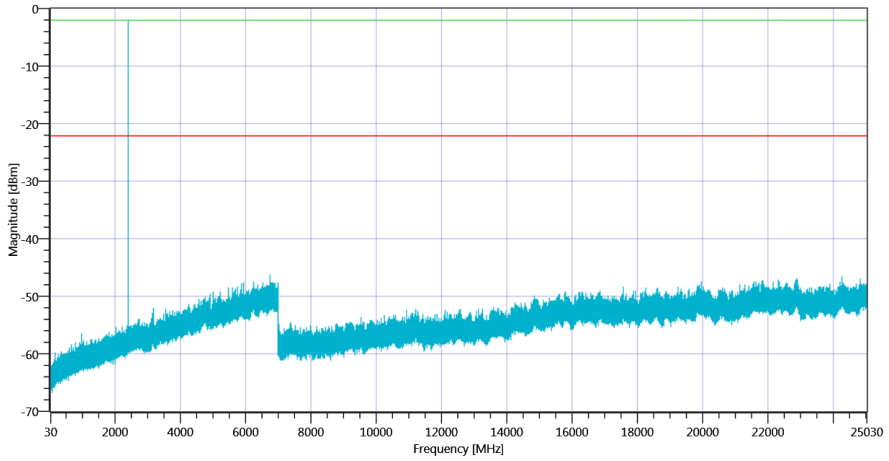
| Test References | |
|---|---|
| TC Start | 09.12.2020 14:50:13 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.3 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable. |
| Class / TC Version | TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 |
| My Description | FCC 15.247 TX Emissions Conducted DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

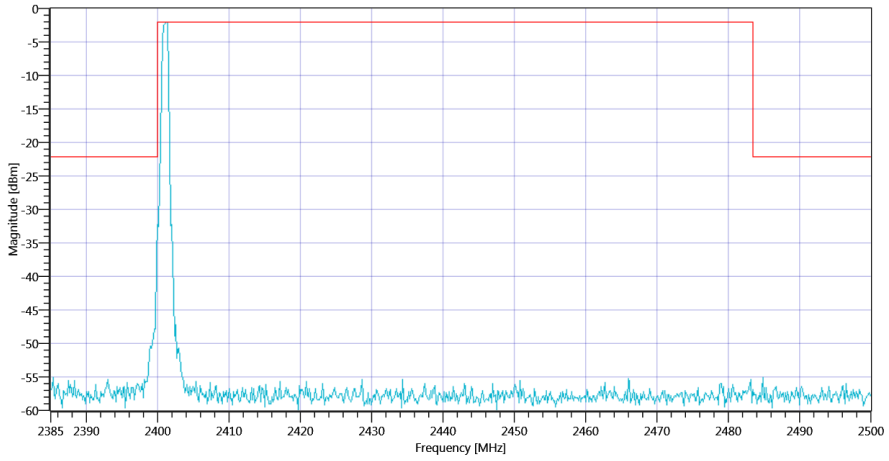
## Test at TX 2401 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.79 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 24530.000 \| 25030.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 500 \| 8 \| 3001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Reference @ 2401.33 MHz | --- | --- | -2.11 | dBm | INFO |
| No peaks detected | --- | --- | | | PASS |
| Lowest margin to limit 2399.833 MHz | 0 | --- | 14.86 | dB | INFO |




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2401_09122020_145501.png




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2401_09122020_145504.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:55:05 / RT: 292 s | PASS |

# 14. FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 15:06:40 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.7 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable. |
| Class / TC Version | TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 |
| My Description | FCC 15.247 TX Emissions Conducted DTS - Generic 2G4 |
| Add. Information | |

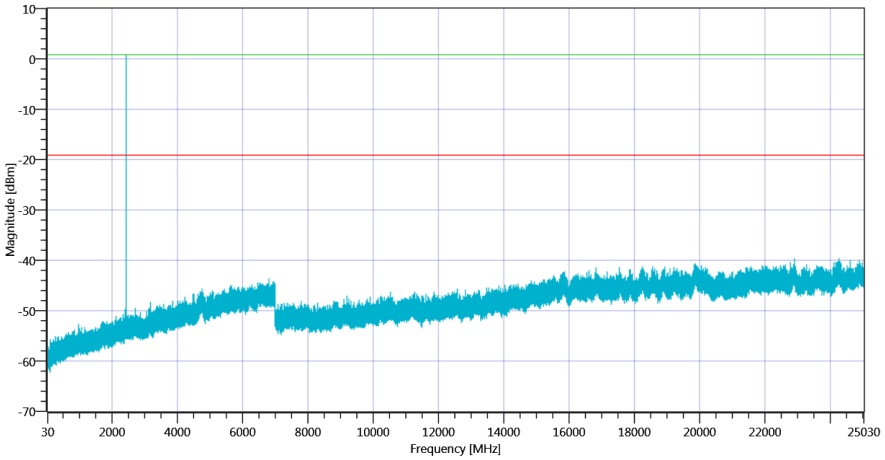
| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | True \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

## Test at TX 2440 MHz

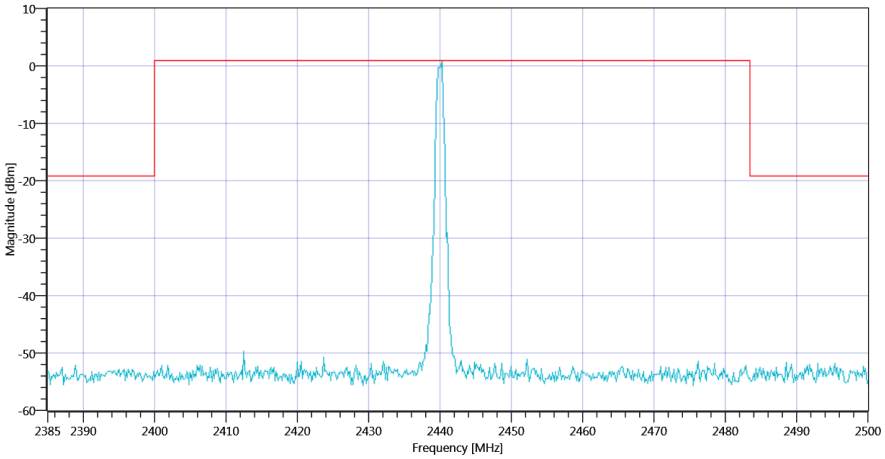
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 2.02 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 24530.000 \| 25030.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 500 \| 8 \| 3001 \| SWE |

RESULT

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Reference @ 2440.33 MHz | --- | --- | 0.89 | dBm | INFO |
| No peaks detected | --- | --- | | | PASS |
| Lowest margin to limit 24260.167 MHz | 0 | --- | 20.47 | dB | INFO |




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2440_09122020_151127.png




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2440_09122020_151130.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:11:32 / RT: 292 s | PASS |

# 15. FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4

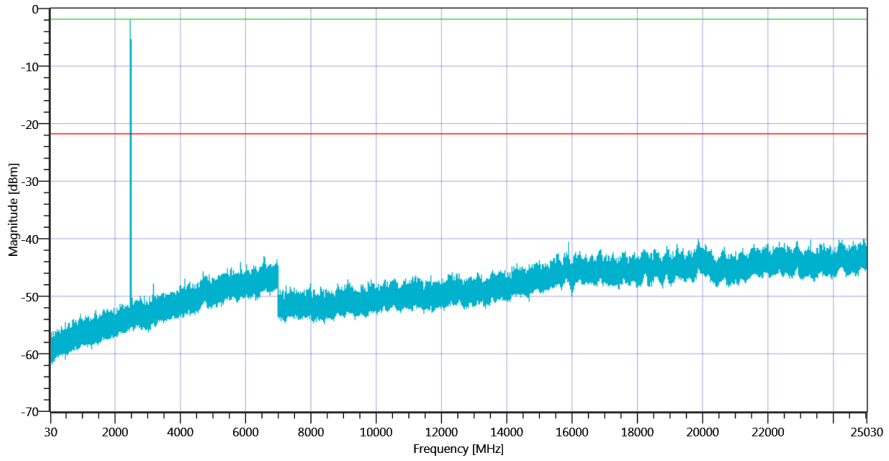
| Test References | |
|---|---|
| TC Start | 09.12.2020 15:15:34 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable. |
| Class / TC Version | TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 |
| My Description | FCC 15.247 TX Emissions Conducted DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

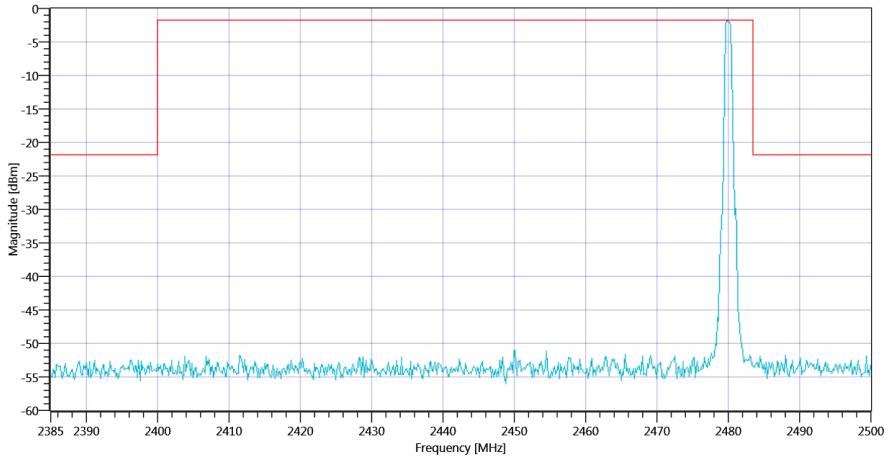
## Test at TX 2480 MHz

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 0.06 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 24530.000 \| 25030.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.300000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 500 \| 8 \| 3001 \| SWE |

| RESULT | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Reference @ 2479.83 MHz | --- | --- | -1.79 | dBm | INFO |
| No peaks detected | --- | --- | | | PASS |
| Lowest margin to limit 24946.167 MHz | 0 | --- | 18.26 | dB | INFO |




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2480_09122020_152022.png




Plot_FCC Part 15.247 TX Spurious Conduced ~ Generic 2G4 2480_09122020_152025.png

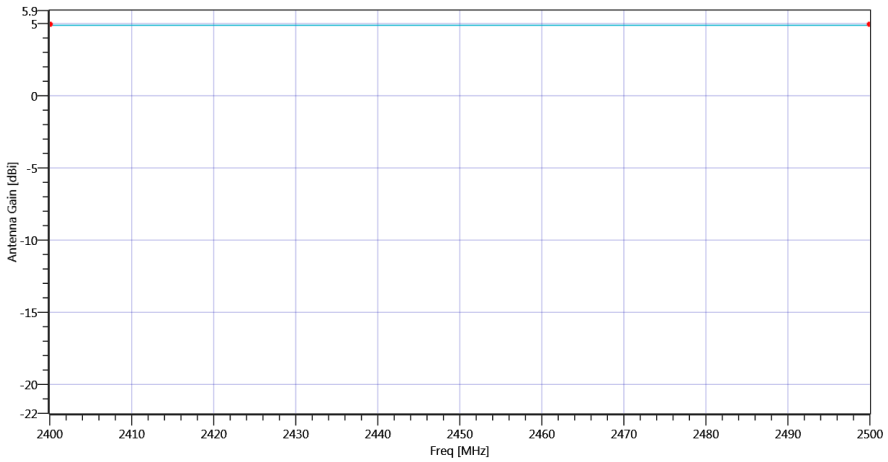
| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:20:27 / RT: 292 s | PASS |

# 16. FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 14:55:10 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.0 \| 22 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - 8.7.3 Integration Method; ANSI C63.10-2013 11.13.3.4 Trace averaging across on- and off-times of the EUT transmissions followed by duty cycle correction |
| Class / TC Version | TC_VM_FCC15247_Restricted_Band_Edge_Conducted_Avg_DC_corrected_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Restricted Band Edge Cond. Avg DC corrected DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | True \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | False \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

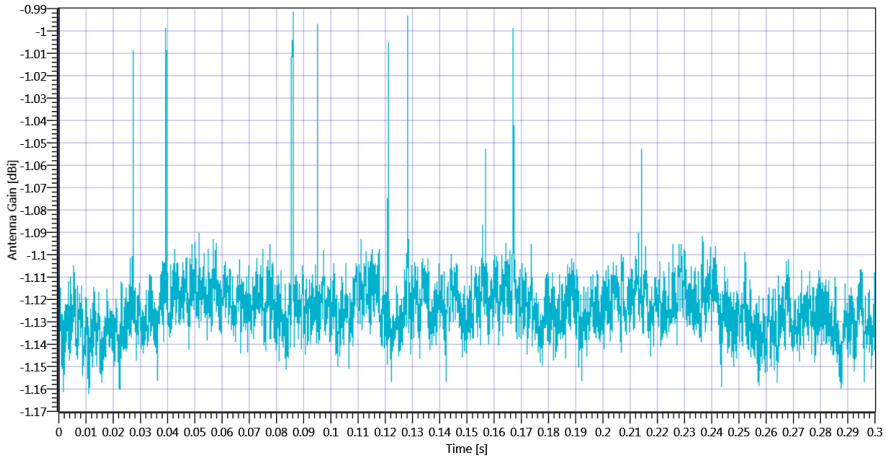
| Antenna Gain Table | |
|---|---|
| Freq [MHz] | Gain [dBi] |
| 2400 | 4.9 |
| 2500 | 4.9 |




Plot__GainTable_09122020_145515.png

## Test at TX 2401 MHz

| Duty Cycle evaluation | | | | | |
|---|---|---|---|---|---|
| **Test Description** | **Lower Limit** | **Upper Limit** | **Measured** | **Unit** | **Verdict** |
| No enough Bursts detected, Duty Cycle Burst Ratio set to 1 | | | | | |
| Duty Cycle (Burst Ratio) max | --- | --- | 1 | --- | INFO |
| Duty Cycle max | --- | --- | 0 | dB | INFO |
| Duty Cycle (Burst Ratio) min | --- | --- | 1 | --- | INFO |
| Duty Cycle min | --- | --- | 0 | dB | INFO |

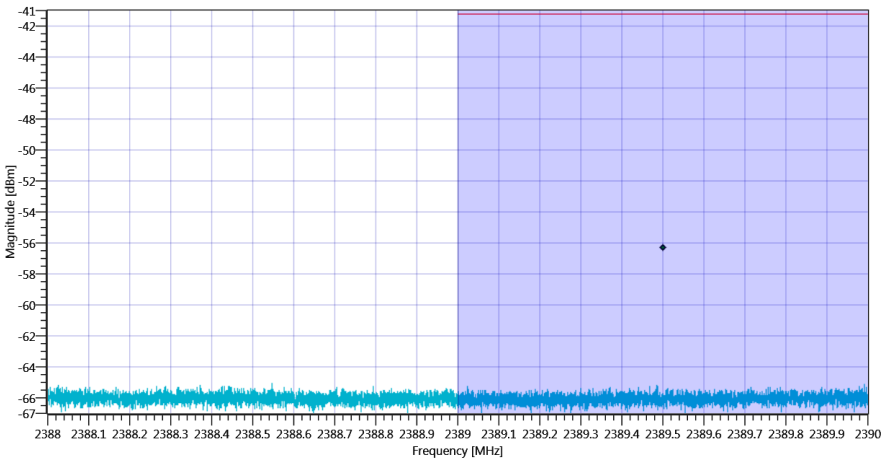



Plot_FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4 2401 MHz - DutyCycle_09122020_145530.png

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.19 \| 16.26 \| 10 |
| Start [MHz] \| Stop [MHz] | 2388.000 \| 2390.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| AVER |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 32 \| 300 \| 32000 \| SWE |

| Antenna Gain | |
|---|---|
| Considered Antenna Gain: [dBi]: | 4.9 @ 2389.5MHz |

| RESULT | | | | | |
|---|---|---|---|---|---|
| **Test Description** | **Lower Limit** | **Upper Limit** | **Measured** | **Unit** | **Verdict** |
| Duty Cylce worst case | --- | --- | 0 | dB | INFO |
| Band Power Avg | --- | --- | -56.34 | dBm | INFO |
| Band Power Avg DC corrected | --- | --- | -56.34 | dBm | PASS |




Plot_FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4_09122020_145553.png

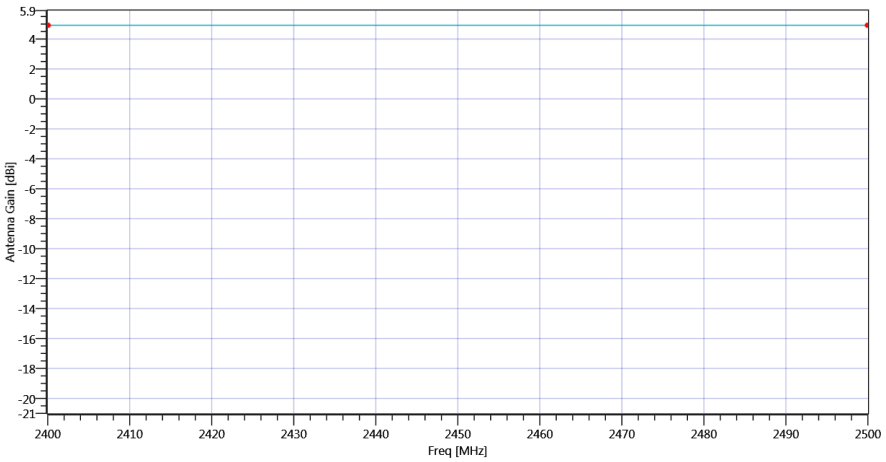
| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 14:55:54 / RT: 43 s | PASS |

# 17. FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4

| Test References | |
|---|---|
| TC Start | 09.12.2020 15:20:31 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.5 \| 23 |
| System Version | 1.0.1.2 |
| Test Specification | FCC Part 15.247 |
| Test Method | DTS: KDB 558074 D01 V05 - 8.7.3 Integration Method; ANSI C63.10-2013 11.13.3.4 Trace averaging across on- and off-times of the EUT transmissions followed by duty cycle correction |
| Class / TC Version | TC_VM_FCC15247_Restricted_Band_Edge_Conducted_Avg_DC_corrected_V01 Version: 0.0.1 |
| My Description | FCC 15.247 Restricted Band Edge Cond. Avg DC corrected DTS - Generic 2G4 |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | Generic 2G4 |
| Antenna Port used | 1 |
| Temperature | mid |
| Voltage | mid |
| Frequency low to test | False \| Freq [MHz] 2401 |
| Frequency mid to test | False \| Freq [MHz] 2440 |
| Frequency high to test | True \| Freq [MHz] 2480 |
| Switched Path | IUT - SignalingUnit - SpectrumAnalyzer |
| Devices in use | \| SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60 |

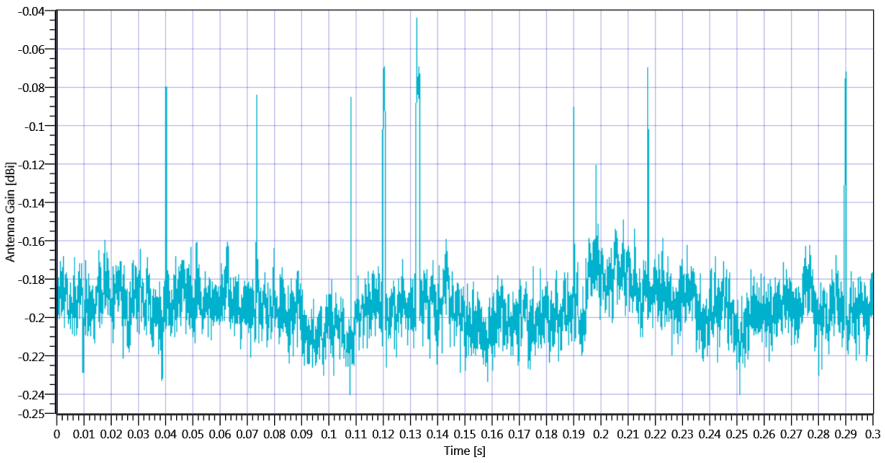
| Antenna Gain Table | |
|---|---|
| Freq [MHz] | Gain [dBi] |
| 2400 | 4.9 |
| 2500 | 4.9 |




Plot__GainTable_09122020_152036.png

## Test at TX 2480 MHz

| Duty Cycle evaluation | | | | | |
|---|---|---|---|---|---|
| **Test Description** | **Lower Limit** | **Upper Limit** | **Measured** | **Unit** | **Verdict** |
| No enough Bursts detected, Duty Cycle Burst Ratio set to 1 | | | | | |
| Duty Cycle (Burst Ratio) max | --- | --- | 1 | --- | INFO |
| Duty Cycle max | --- | --- | 0 | dB | INFO |
| Duty Cycle (Burst Ratio) min | --- | --- | 1 | --- | INFO |
| Duty Cycle min | --- | --- | 0 | dB | INFO |

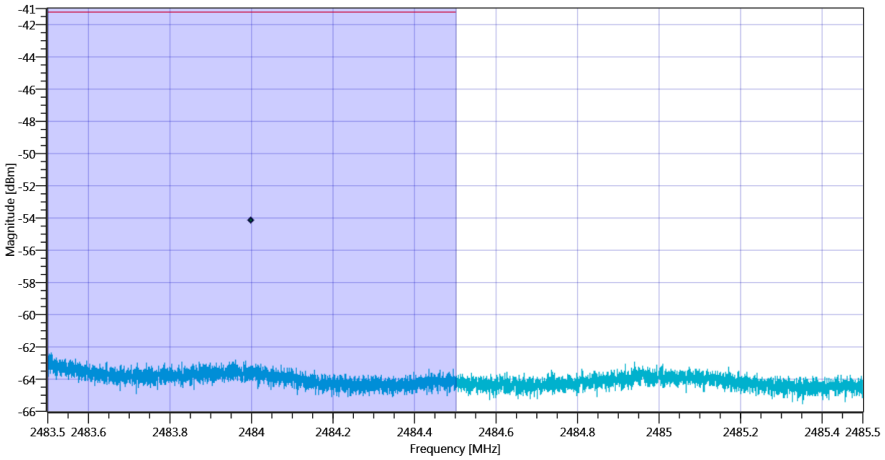



Plot_FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4 2480 MHz - DutyCycle_09122020_152051.png

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.10 \| 16.11 \| 10 |
| Start [MHz] \| Stop [MHz] | 2483.500 \| 2485.500 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| AVER |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 32 \| 300 \| 32000 \| SWE |

| Antenna Gain | |
|---|---|
| Considered Antenna Gain: [dBi]: | 4.9 @ 2484MHz |

| RESULT | | | | | |
|---|---|---|---|---|---|
| **Test Description** | **Lower Limit** | **Upper Limit** | **Measured** | **Unit** | **Verdict** |
| Duty Cylce worst case | --- | --- | 0 | dB | INFO |
| Band Power Avg | --- | --- | -54.16 | dBm | INFO |
| Band Power Avg DC corrected | --- | --- | -54.16 | dBm | PASS |




Plot_FCC Part 15.247 Restricted Band Edge Conducted Avg DC corrected DTS (eirp) ~ Generic 2G4_09122020_152115.png

| TEST FINISHED | | |
|---|---|---|
| General Verdict | 09.12.2020 15:21:15 / RT: 44 s | PASS |

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