

# Measurement Results

1-0596/20-01-07\_log1\_conducted

[Test logging](#)

---

This addendum is electronically signed and valid without handwritten signature.  
For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorized:

---

---

Michael Dorongovski  
Lab Manager  
Radio Communications

## Table of Content

IUT Summary	3
1. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	4
2. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	6
3. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	8
4. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	10
5. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	12
6. FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4	14
7. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	16
8. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	18
9. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	20
10. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	22
11. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	24
12. FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4	26
13. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	28
14. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	31
15. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	34
16. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	37
17. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	40
18. FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4	43
19. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	46
20. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	48
21. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	50
22. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	52
23. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	54
24. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4	56
25. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	58
26. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	60
27. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	62
28. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	64
29. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	66
30. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4	68
31. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	70
32. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	72
33. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	74
34. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	76
35. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	78
36. FCC Part 15.247 Maximum Peak Conducted Output Power ~ Generic 2G4	80

## IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	m&h Inprocess Messtechnik GmbH
Type	LS-R-4.8
Serial No.   Setup No.	ctc # 2   1.0
SW Version   HW Version	1   0
Comment 1   2	
Tlow   Tmid   Thigh [°C]	10   22   50
Vlow   Vmid   Vhigh [V] @Imax [A]	13.32   14.8   16.28 @1
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0
IUT Common Settings 2G4	
Hopping supported	No
Burst length [ms]	10
Nominal Bandwidth [MHz]	1.5
User Interaction	Yes

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

Test References	
TC Start	13.11.2020 11:23:31
Ambit Temp [°C]   Humidity [rel%]	24.0   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

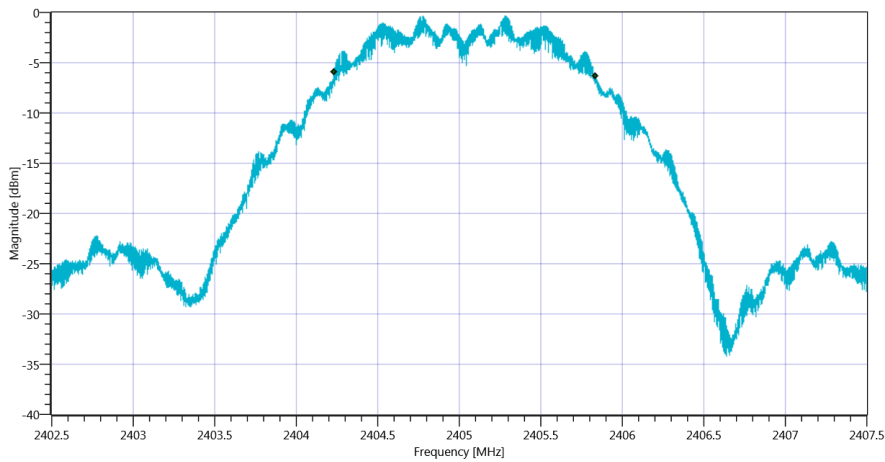
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.99   2.09   25
Start [MHz]   Stop [MHz]	2402.500   2407.500
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	---	1601	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_112358.png

### TEST FINISHED

General Verdict	13.11.2020 11:23:59 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:28:10
Ambit Temp [°C]   Humidity [rel%]	24.5   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

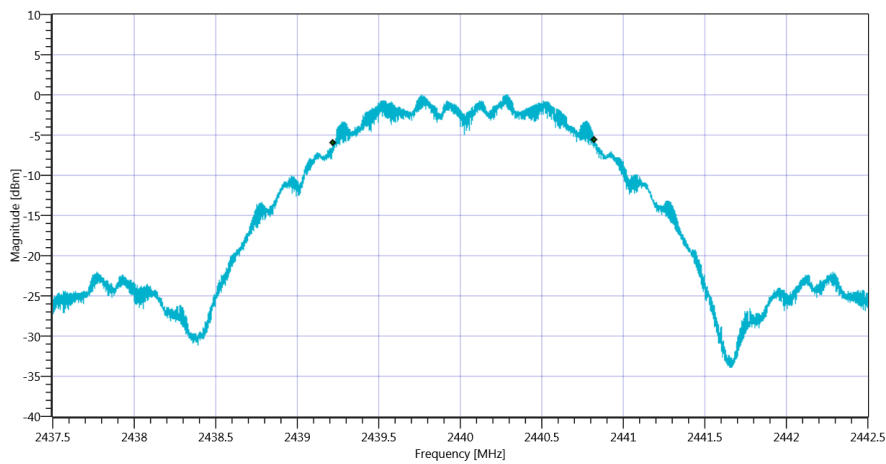
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.30   2.1   25
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	---	1606	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_122837.png

### TEST FINISHED

General Verdict	13.11.2020 12:28:37 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:40:02
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60



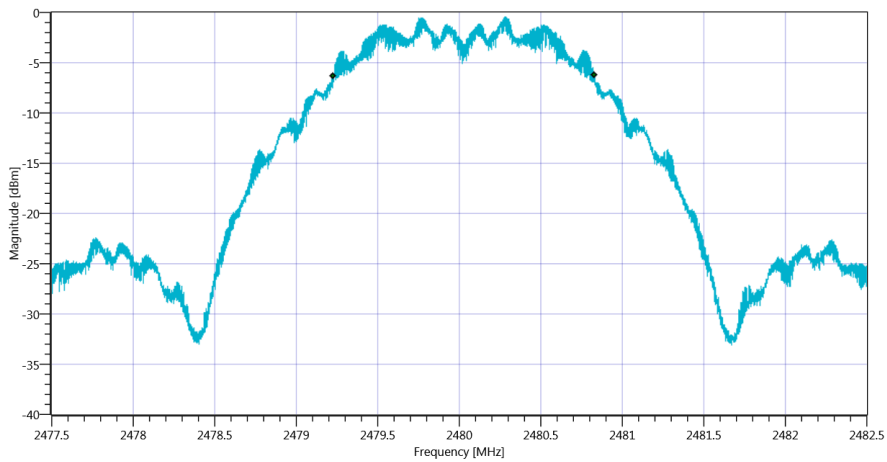
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.77   2.1   25
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	---	1604	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_124029.png

### TEST FINISHED

General Verdict	13.11.2020 12:40:29 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:53:49
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

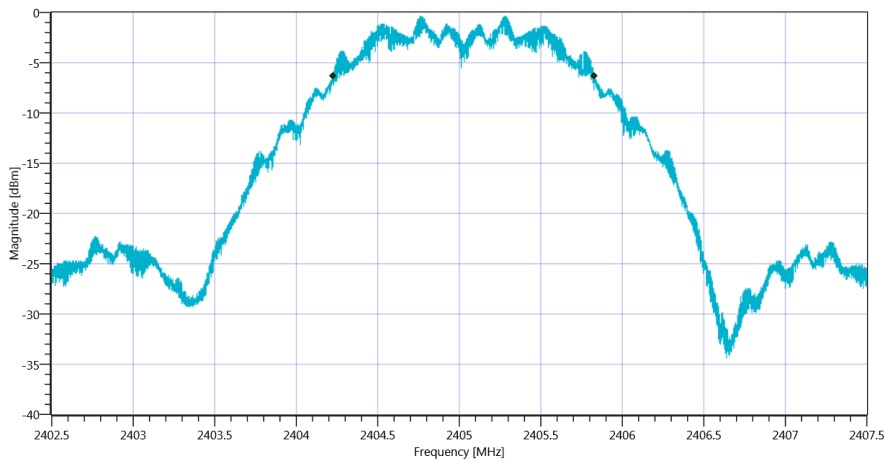
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.97   2.09   25
Start [MHz]   Stop [MHz]	2402.500   2407.500
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	--	1601	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_125416.png

### TEST FINISHED

General Verdict	13.11.2020 12:54:16 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 13:05:39
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

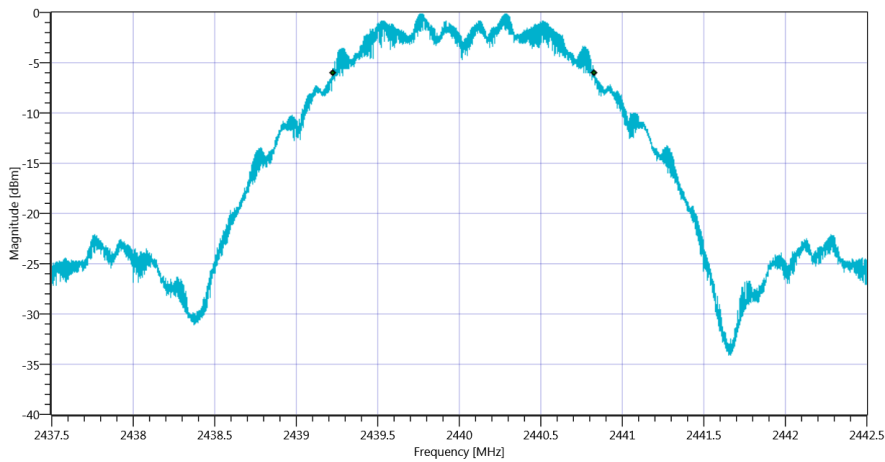
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.19   2.1   25
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	---	1608	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_130606.png

### TEST FINISHED

General Verdict	13.11.2020 13:06:06 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 13:15:29
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

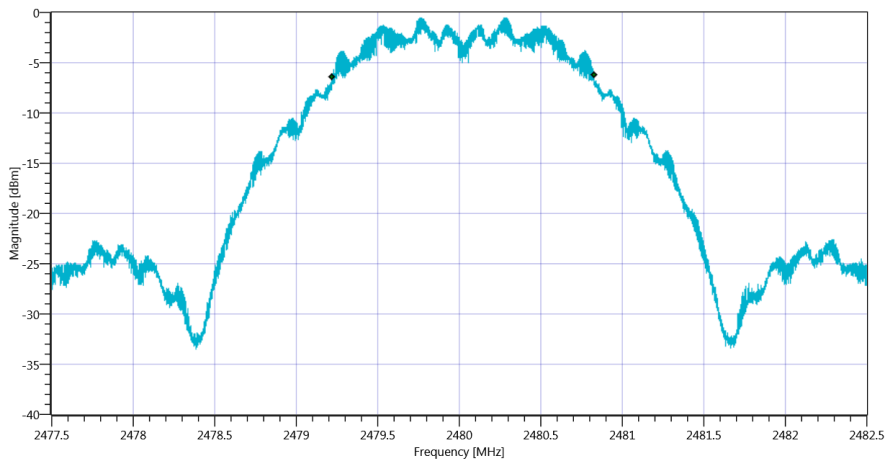
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.74   2.1   25
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	---	1606	kHz	PASS



Plot\_FCC Part 15.247 Bandwidth 6dB DTS ~ Generic 2G4\_13112020\_131555.png

### TEST FINISHED

General Verdict	13.11.2020 13:15:56 / RT: 27 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 11:24:03
Ambit Temp [°C]   Humidity [rel%]	24.0   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60



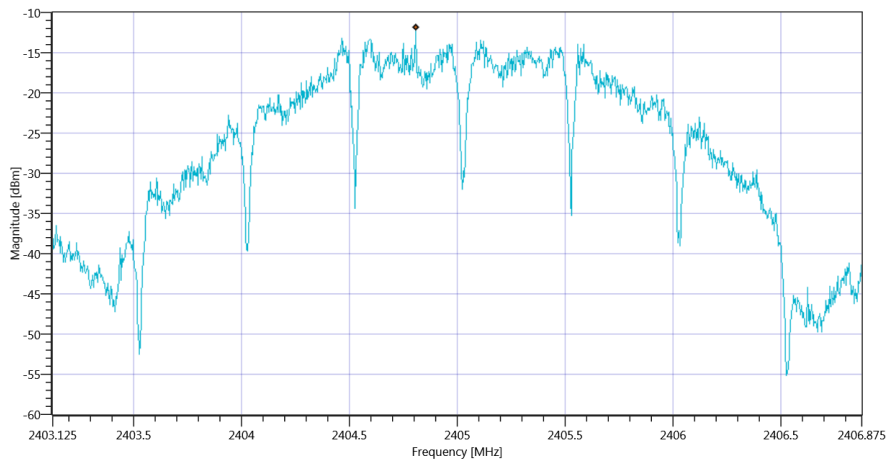
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.97   2.09   25
Start [MHz]   Stop [MHz]	2403.125   2406.875
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	-11.93	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_112439.png

### TEST FINISHED

General Verdict	13.11.2020 11:24:39 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:28:41
Ambit Temp [°C]   Humidity [rel%]	24.5   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

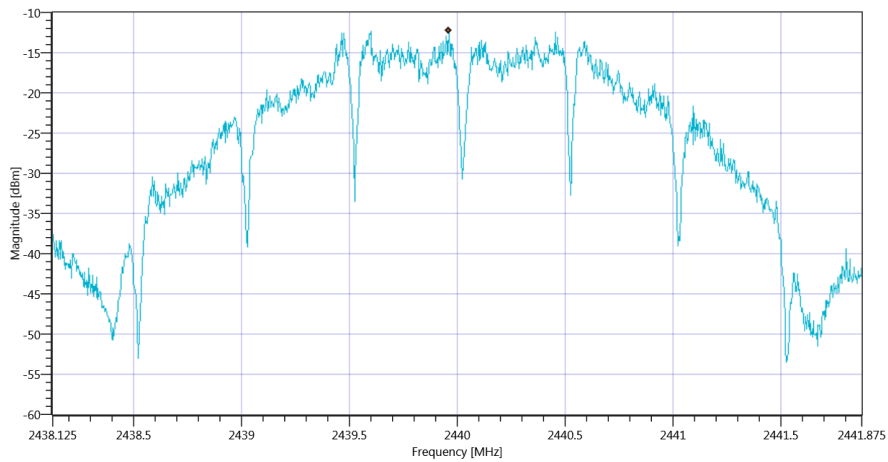
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.29   2.1   25
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	-12.27	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_122917.png

### TEST FINISHED

General Verdict	13.11.2020 12:29:17 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:40:33
Ambit Temp [°C]   Humidity [rel%]	24.6   37
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

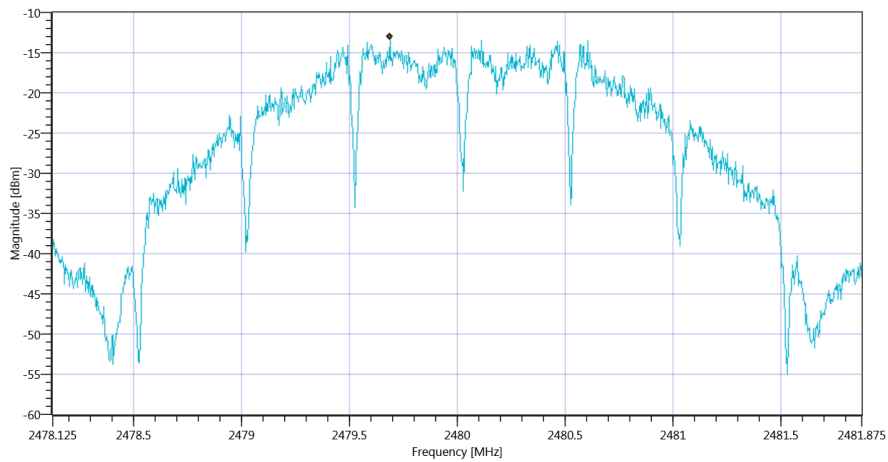
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.76   2.1   25
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	-13.06	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_124109.png

### TEST FINISHED

General Verdict	13.11.2020 12:41:10 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:54:20
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

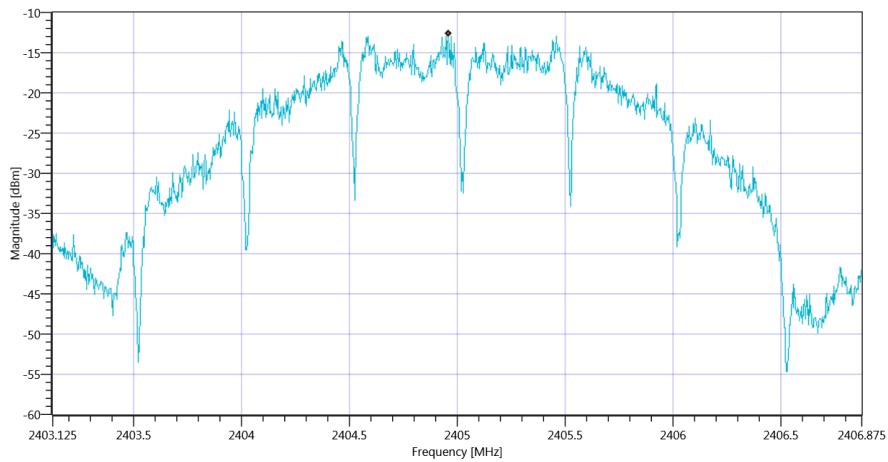
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.93   2.09   25
Start [MHz]   Stop [MHz]	2403.125   2406.875
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	-12.69	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_125456.png

### TEST FINISHED

General Verdict	13.11.2020 12:54:56 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 13:06:10
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60



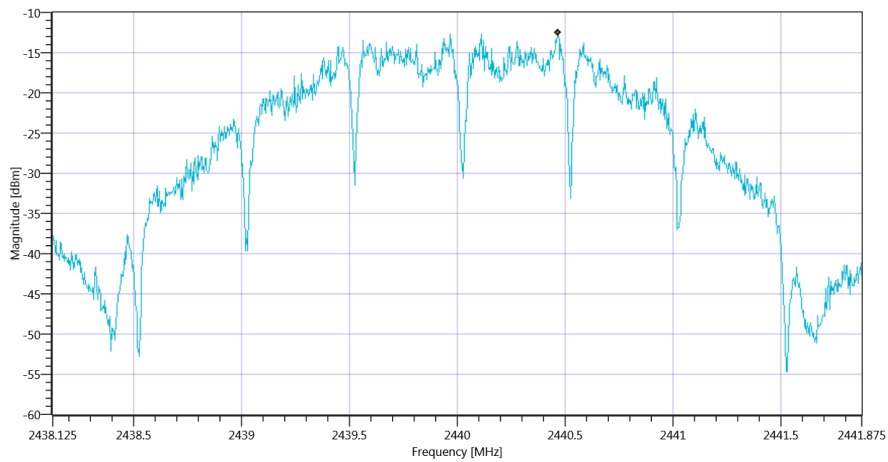
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.22   2.1   25
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	-12.56	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_130647.png

### TEST FINISHED

General Verdict	13.11.2020 13:06:47 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 13:16:00
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

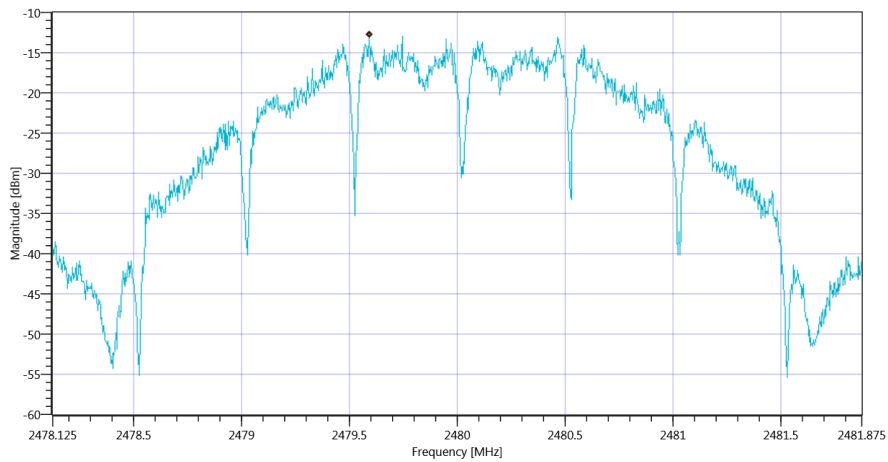
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.72   2.1   25
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	-12.81	dBm/3KHz	PASS



Plot\_FCC Part 15.247 Peak Power Spectral Density DTS ~ Generic 2G4\_13112020\_131636.png

### TEST FINISHED

General Verdict	13.11.2020 13:16:37 / RT: 36 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 11:24:43
Ambit Temp [°C]   Humidity [rel%]	24.0   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

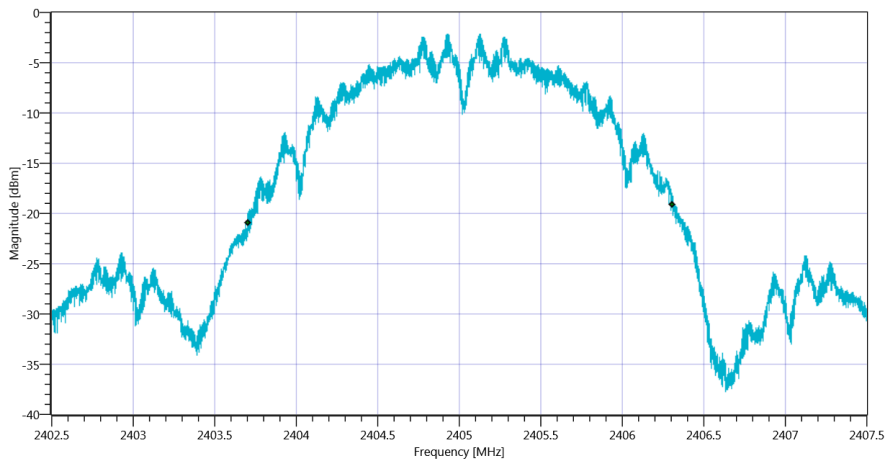
## Test at TX 2405 MHz

### READ SA SETTINGS:

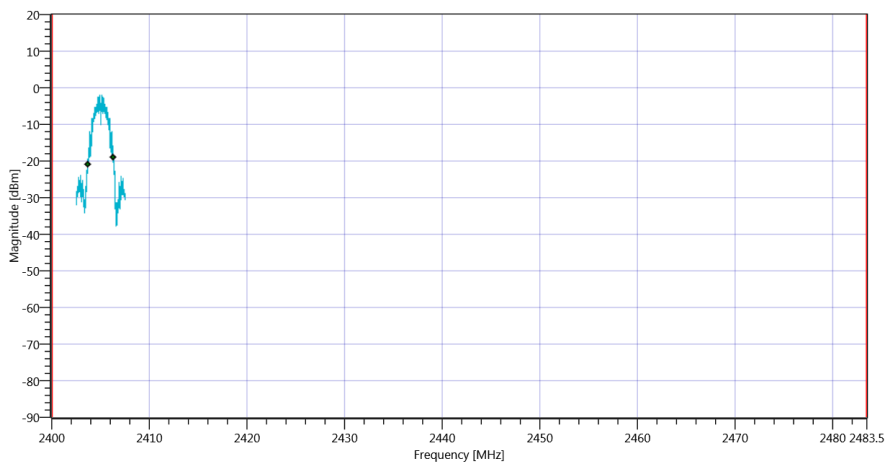
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.96   2.09   25
Start [MHz]   Stop [MHz]	2402.500   2407.500
RBW [MHz]   VBW [MHz]	0.050000   0.200000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	50   200   10001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2601	kHz	INFO
T1 99%	2400.000000	---	2403.7066	MHz	PASS
T2 99%	---	2483.500000	2406.3074	MHz	PASS



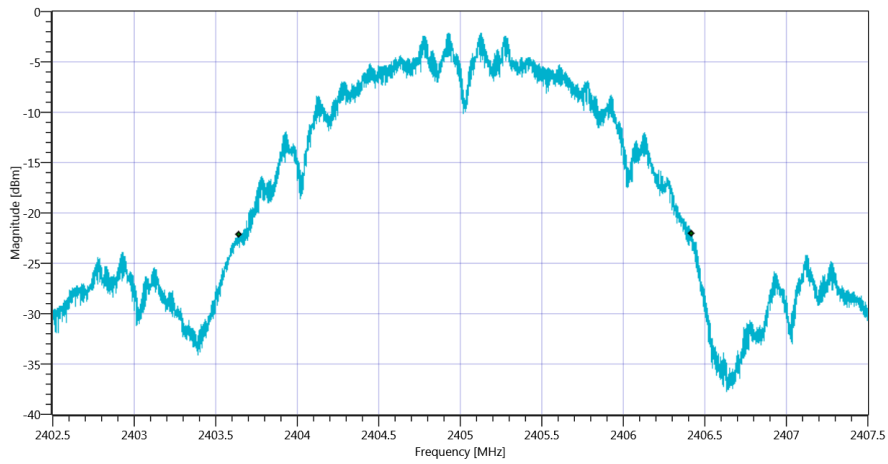
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT\_13112020\_112511.png



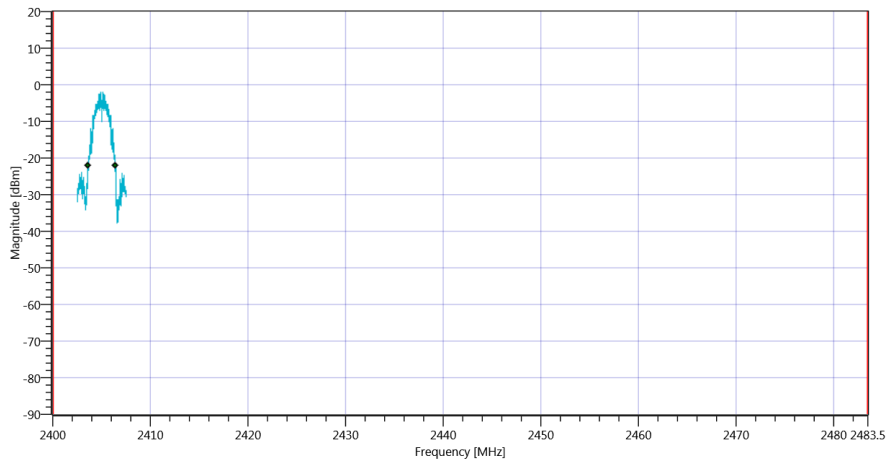
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_112514.png

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2777	kHz	INFO
T1 20DB	2400.000000	---	2403.6420	MHz	PASS
T2 20dB	---	2483.500000	2406.4190	MHz	PASS



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_112519.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_112522.png

TEST FINISHED

General Verdict

13.11.2020 11:25:23 / RT: 39 s

PASS

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

Test References	
TC Start	13.11.2020 12:29:22
Ambit Temp [°C]   Humidity [rel%]	24.5   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

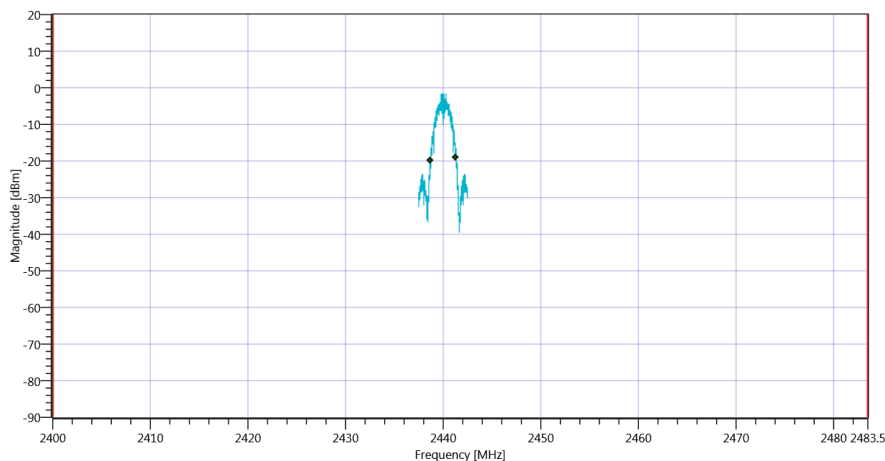
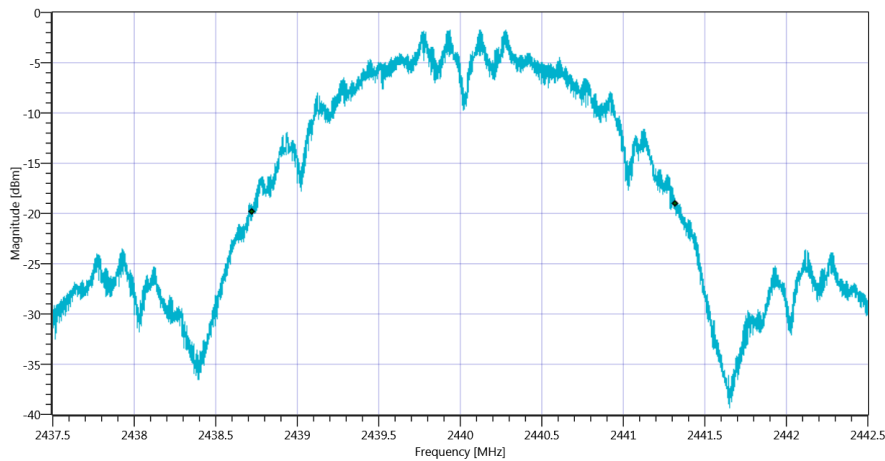
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.29   2.1   25
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

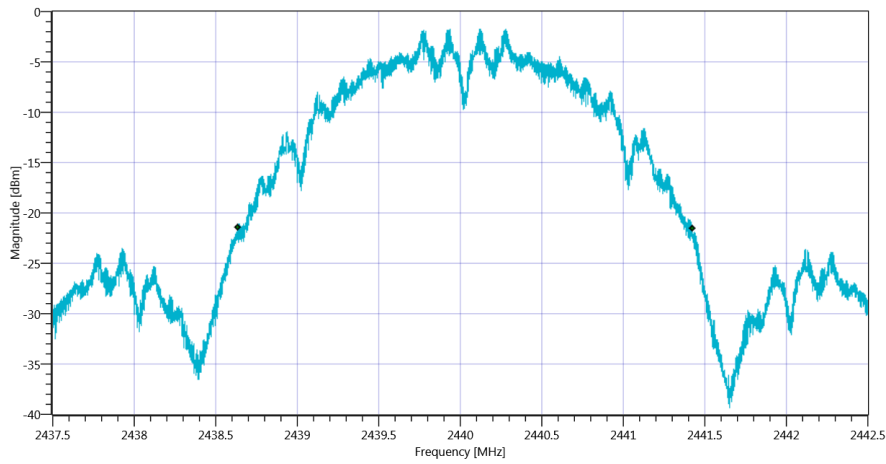
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2594	kHz	INFO
T1 99%	2400.000000	---	2438.7246	MHz	PASS
T2 99%	---	2483.500000	2441.3189	MHz	PASS



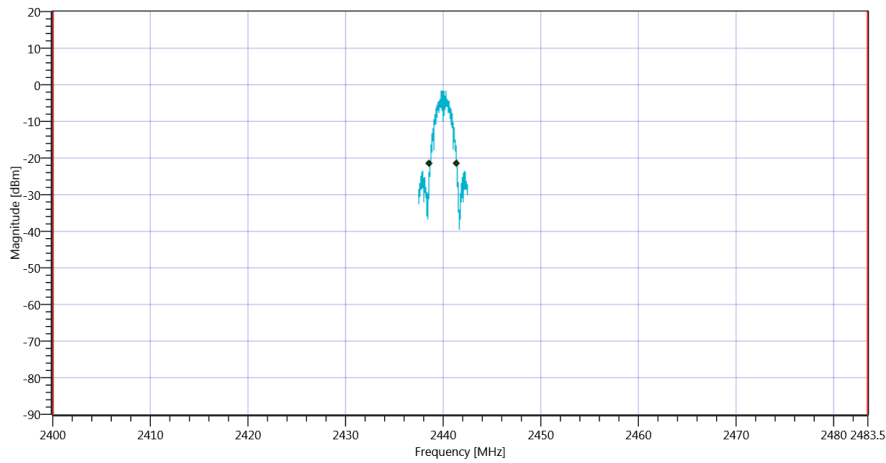
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2788	kHz	INFO
T1 20DB	2400.000000	---	2438.6350	MHz	PASS
T2 20dB	---	2483.500000	2441.4235	MHz	PASS





Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_122957.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_123001.png

TEST FINISHED

General Verdict

13.11.2020 12:30:01 / RT: 39 s

PASS

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

Test References	
TC Start	13.11.2020 12:41:14
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

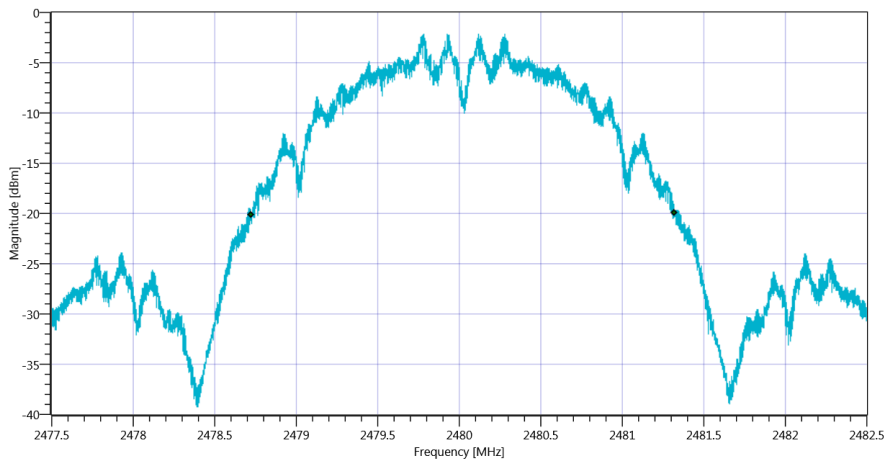
## Test at TX 2480 MHz

### READ SA SETTINGS:

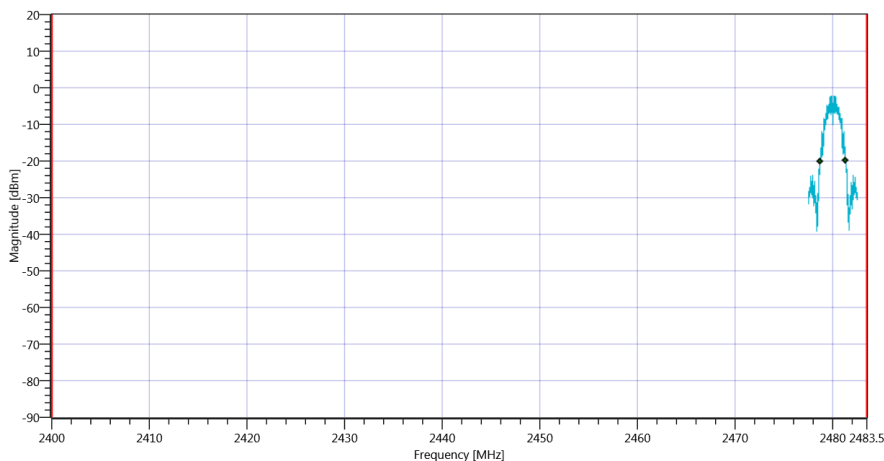
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.78   2.1   25
Start [MHz]   Stop [MHz]	2477.500   2482.500
RBW [MHz]   VBW [MHz]	0.050000   0.200000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	50   200   10001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2592	kHz	INFO
T1 99%	2400.000000	---	2478.7261	MHz	PASS
T2 99%	---	2483.500000	2481.3179	MHz	PASS



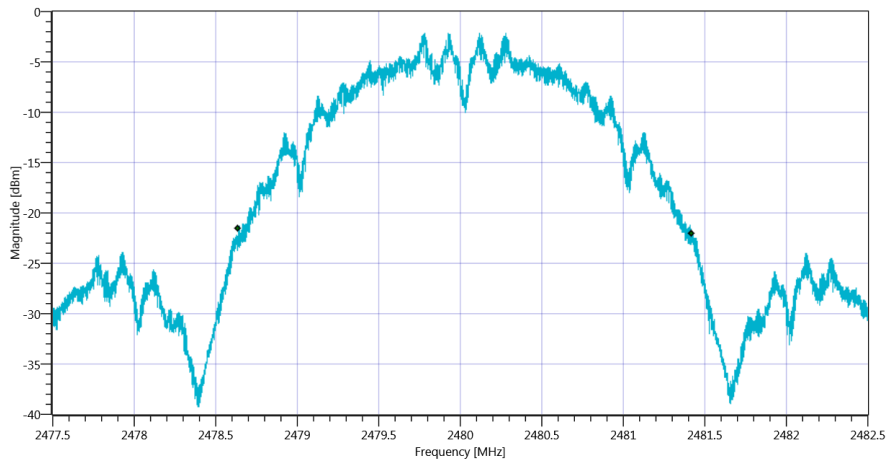
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT\_13112020\_124141.png



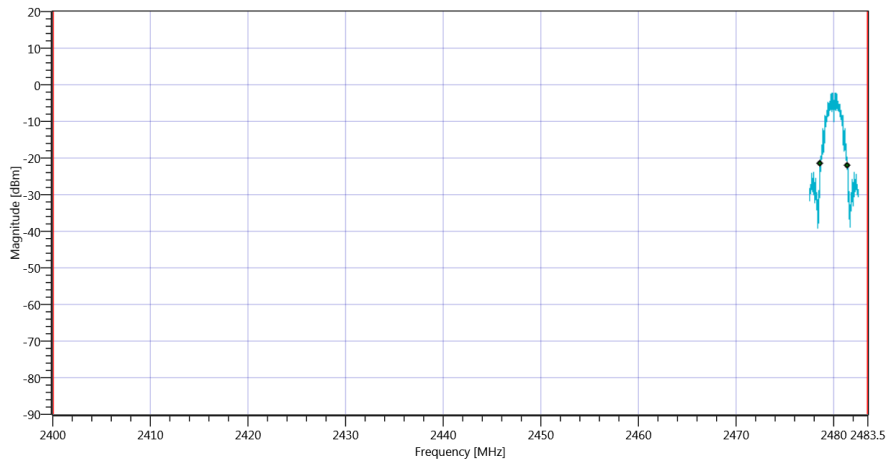
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_124145.png

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2784	kHz	INFO
T1 20dB	2400.000000	---	2478.6375	MHz	PASS
T2 20dB	---	2483.500000	2481.4210	MHz	PASS



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_124150.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_124153.png

TEST FINISHED

General Verdict

13.11.2020 12:41:54 / RT: 39 s

PASS

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

Test References	
TC Start	13.11.2020 12:55:00
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

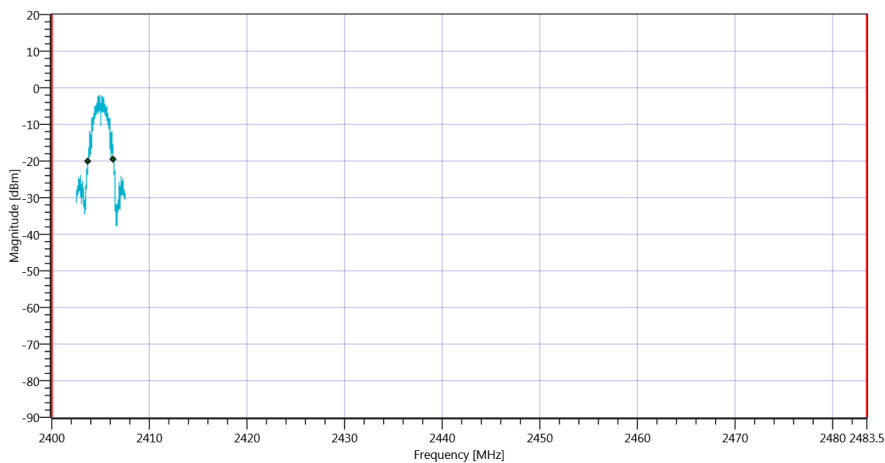
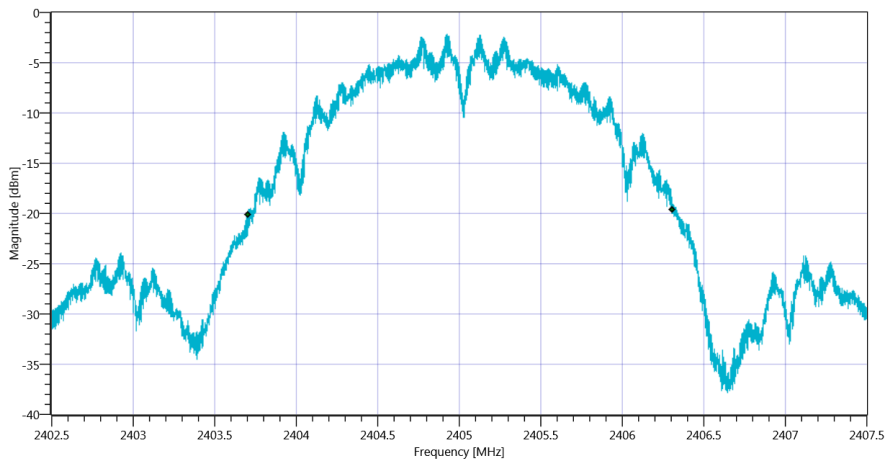
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.97   2.09   25
Start [MHz]   Stop [MHz]	2402.500   2407.500
RBW [MHz]   VBW [MHz]	0.050000   0.200000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	50   200   10001   SWE

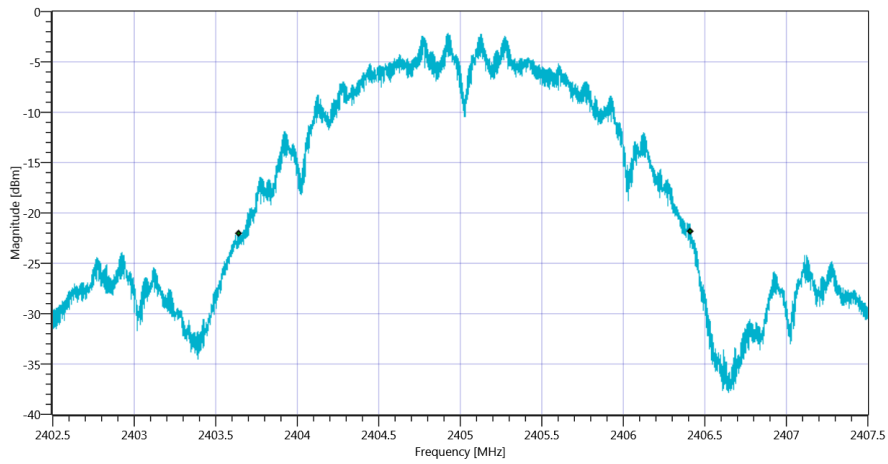
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2604	kHz	INFO
T1 99%	2400.000000	---	2403.7021	MHz	PASS
T2 99%	---	2483.500000	2406.3064	MHz	PASS

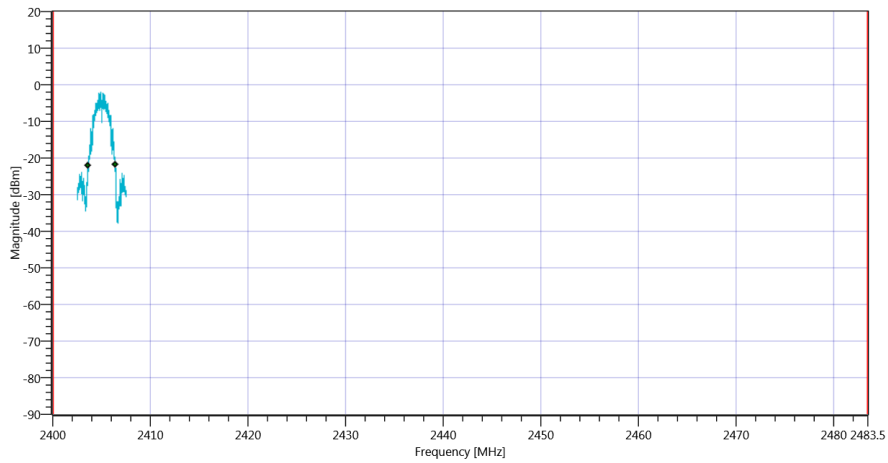


### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2771	kHz	INFO
T1 20DB	2400.000000	---	2403.6435	MHz	PASS
T2 20dB	---	2483.500000	2406.4150	MHz	PASS



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_125536.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_125539.png

TEST FINISHED

General Verdict

13.11.2020 12:55:40 / RT: 39 s

PASS

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

Test References	
TC Start	13.11.2020 13:06:51
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60



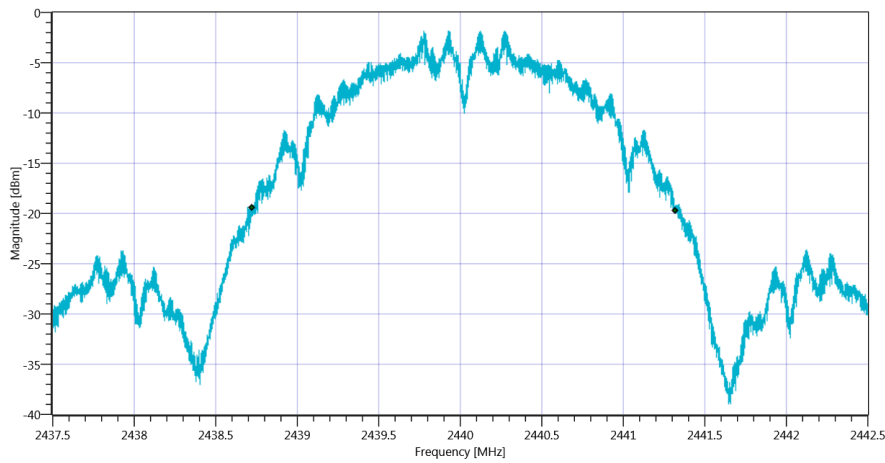
## Test at TX 2440 MHz

### READ SA SETTINGS:

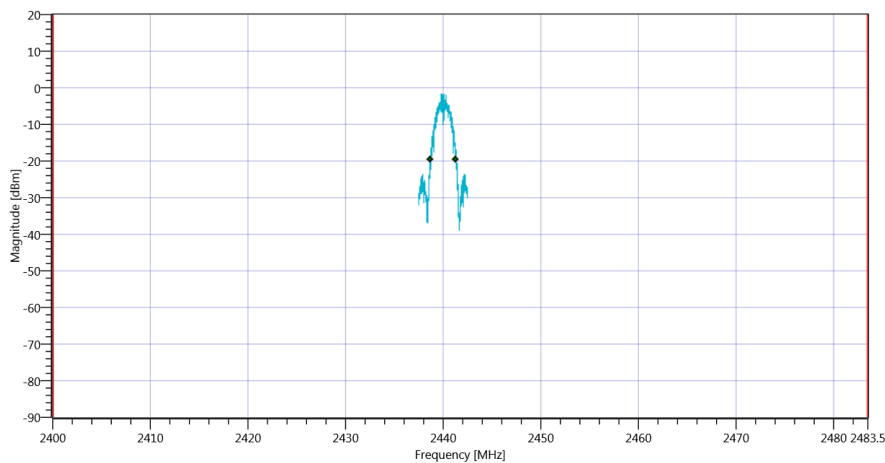
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.20   2.1   25
Start [MHz]   Stop [MHz]	2437.500   2442.500
RBW [MHz]   VBW [MHz]	0.050000   0.200000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	50   200   10001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2595	kHz	INFO
T1 99%	2400.000000	---	2438.7231	MHz	PASS
T2 99%	---	2483.500000	2441.3179	MHz	PASS



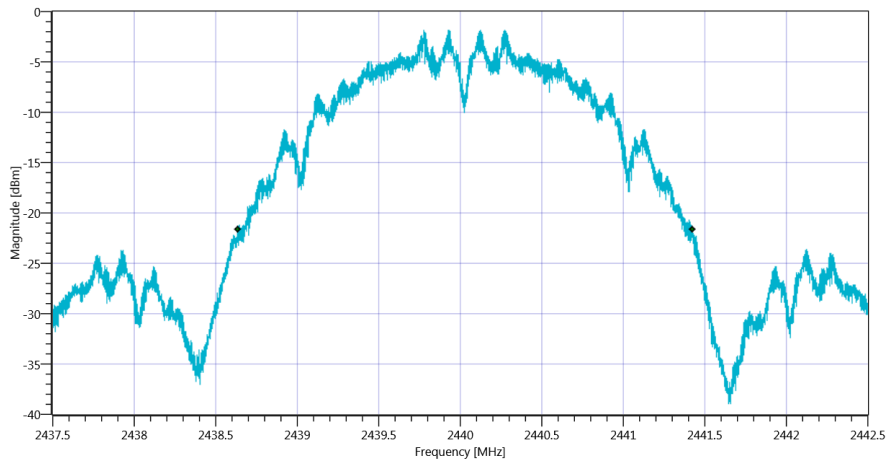
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT\_13112020\_130719.png



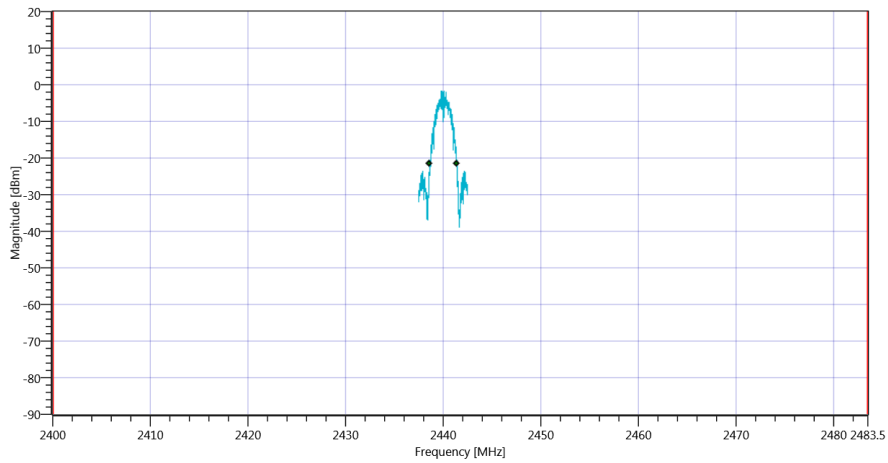
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_130723.png

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2789	kHz	INFO
T1 20DB	2400.000000	---	2438.6360	MHz	PASS
T2 20dB	---	2483.500000	2441.4250	MHz	PASS



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_130727.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_130731.png

TEST FINISHED

General Verdict

13.11.2020 13:07:31 / RT: 39 s

PASS

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

Test References	
TC Start	13.11.2020 13:16:41
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

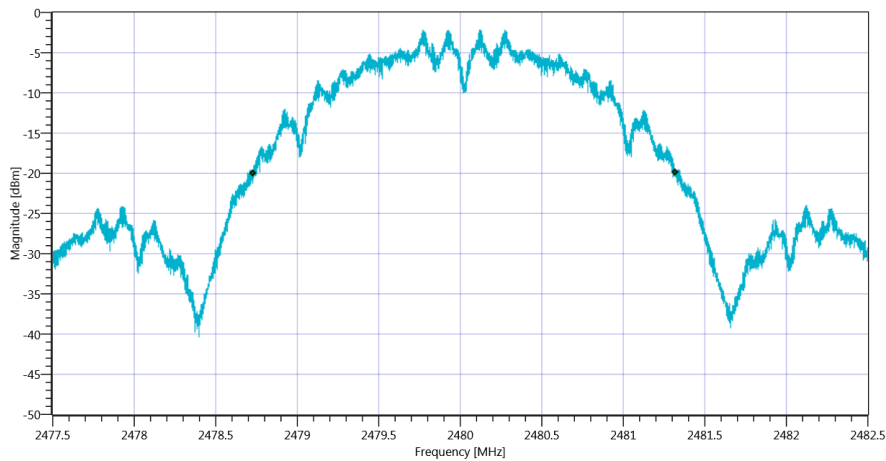
## Test at TX 2480 MHz

### READ SA SETTINGS:

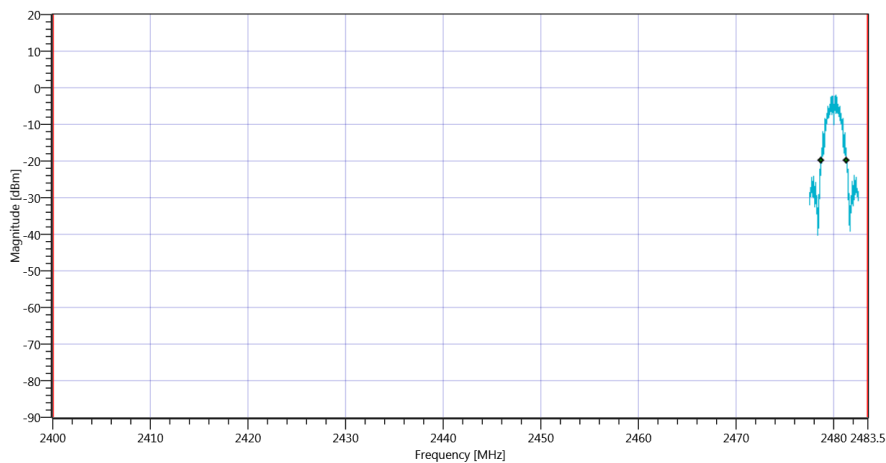
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.71   2.1   25
Start [MHz]   Stop [MHz]	2477.500   2482.500
RBW [MHz]   VBW [MHz]	0.050000   0.200000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	50   200   10001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	2590	kHz	INFO
T1 99%	2400.000000	---	2478.7281	MHz	PASS
T2 99%	---	2483.500000	2481.3179	MHz	PASS



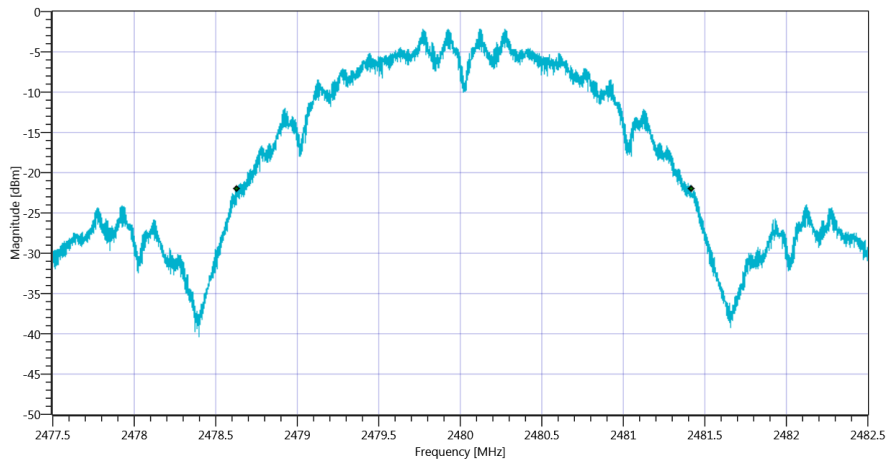
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT\_13112020\_131708.png



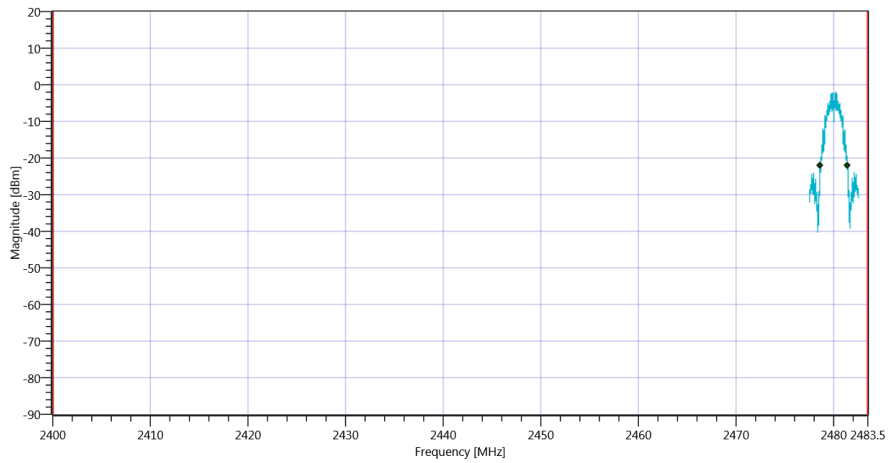
Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_131712.png

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	2787	kHz	INFO
T1 20DB	2400.000000	---	2478.6305	MHz	PASS
T2 20dB	---	2483.500000	2481.4175	MHz	PASS



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB\_13112020\_131717.png



Plot\_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4\_13112020\_131720.png

TEST FINISHED

General Verdict

13.11.2020 13:17:21 / RT: 39 s

PASS

## 19. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 11:25:27
Ambit Temp [°C]   Humidity [rel%]	24.0   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

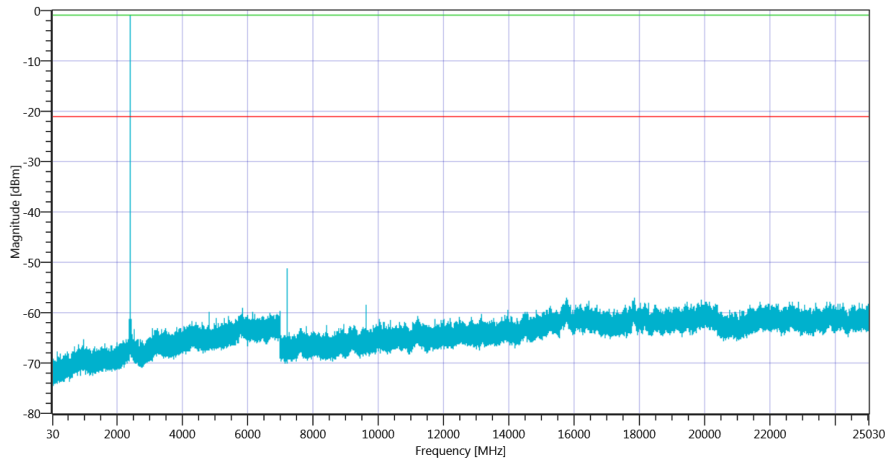
## Test at TX 2405 MHz

### READ SA SETTINGS:

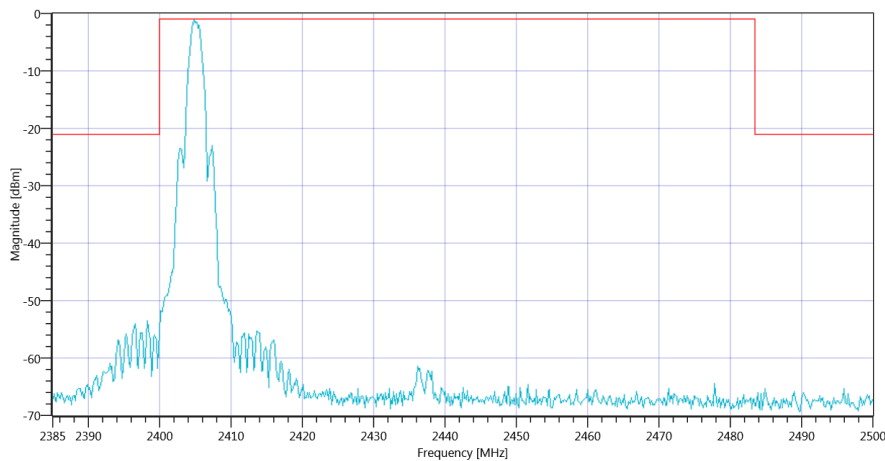
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.97   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2404.83 MHz	---	---	-0.98	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-128.87	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2405\_13112020\_113011.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2405\_13112020\_113014.png

### TEST FINISHED

General Verdict

13.11.2020 11:30:15 / RT: 288 s

PASS

## 20. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 12:30:06
Ambit Temp [°C]   Humidity [rel%]	24.5   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60



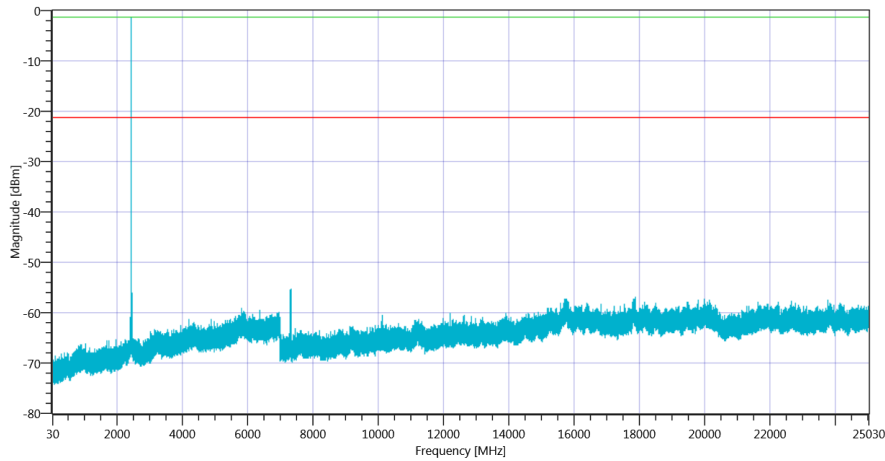
## Test at TX 2440 MHz

### READ SA SETTINGS:

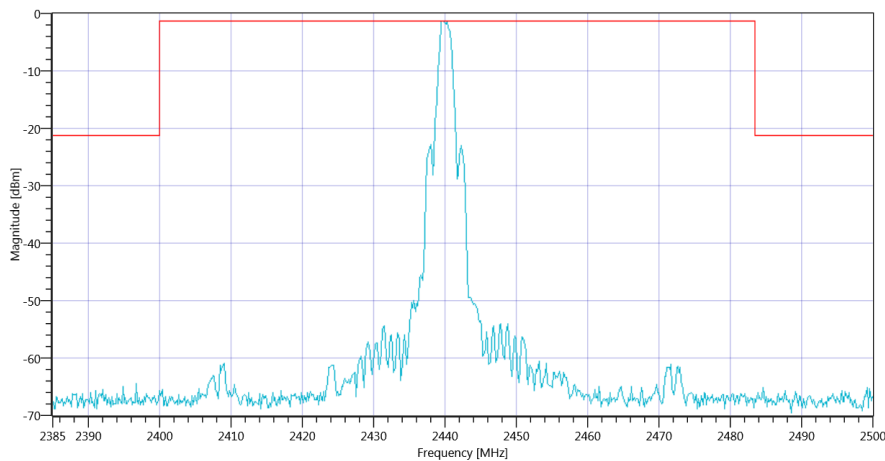
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	3.31   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2439.67 MHz	---	---	-1.28	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 7321.5 MHz	0	---	34.05	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440\_13112020\_123450.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440\_13112020\_123453.png

### TEST FINISHED

General Verdict

13.11.2020 12:34:54 / RT: 288 s

PASS

## 21. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 12:41:58
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
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] 2405
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-40,1321.3008K40/101353,3.60

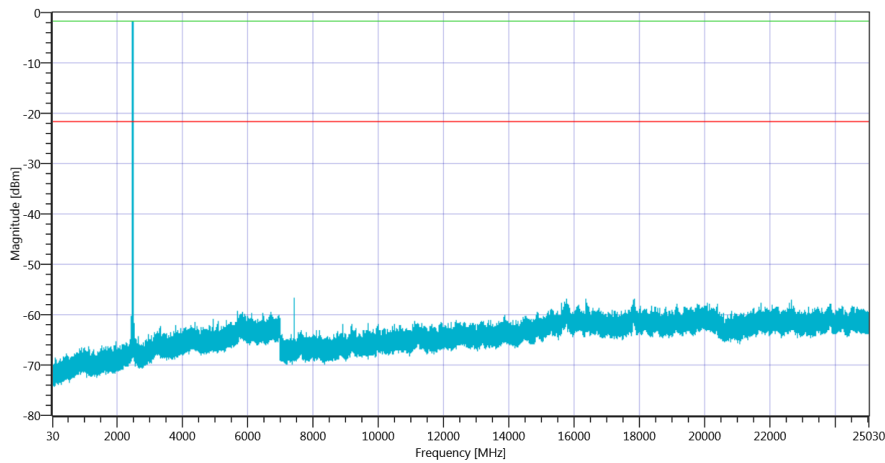
## Test at TX 2480 MHz

### READ SA SETTINGS:

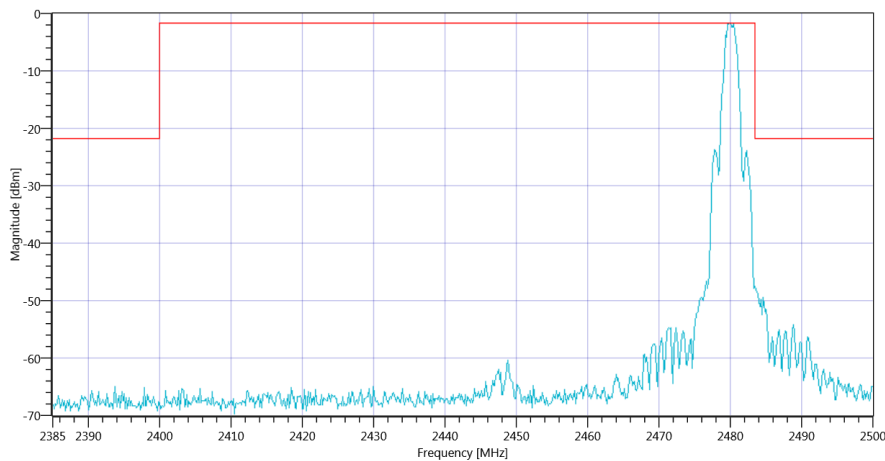
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.74   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	-1.74	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.667 MHz	0	---	26.41	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480\_13112020\_124642.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480\_13112020\_124645.png

### TEST FINISHED

General Verdict

13.11.2020 12:46:47 / RT: 288 s

PASS

## 22. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 12:55:44
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

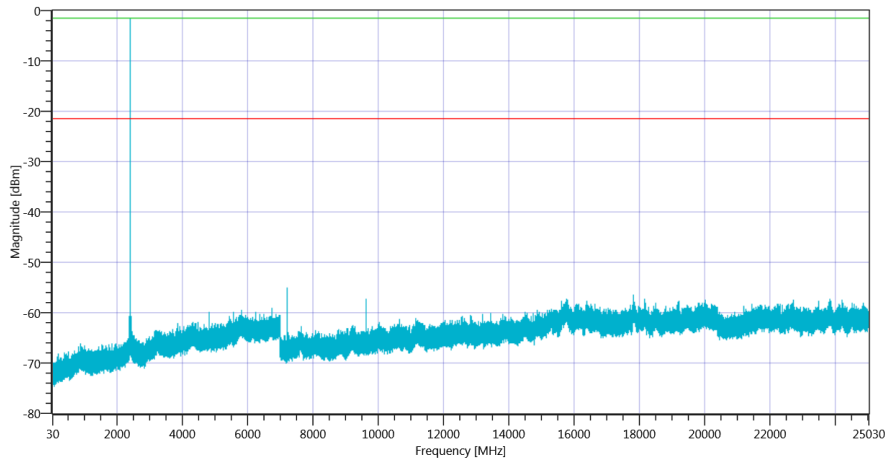
## Test at TX 2405 MHz

### READ SA SETTINGS:

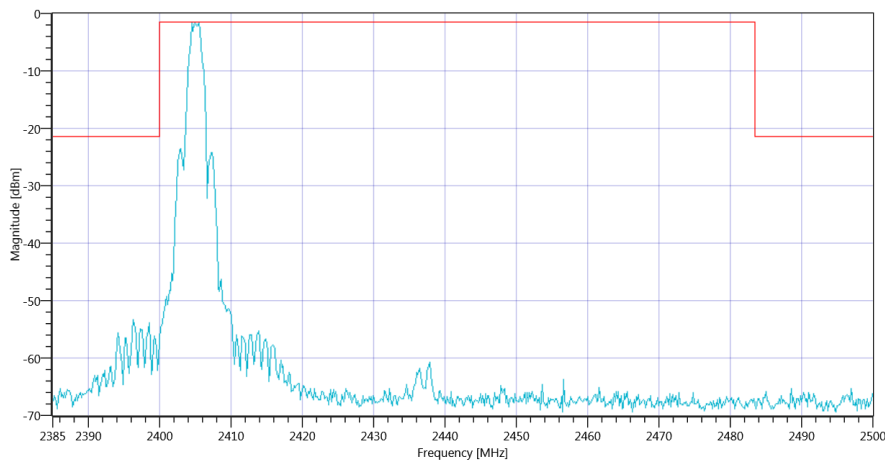
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.97   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2405.50 MHz	---	---	-1.48	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-129.86	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2405\_13112020\_130028.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2405\_13112020\_130031.png

### TEST FINISHED

General Verdict

13.11.2020 13:00:32 / RT: 288 s

PASS

## 23. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 13:07:35
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

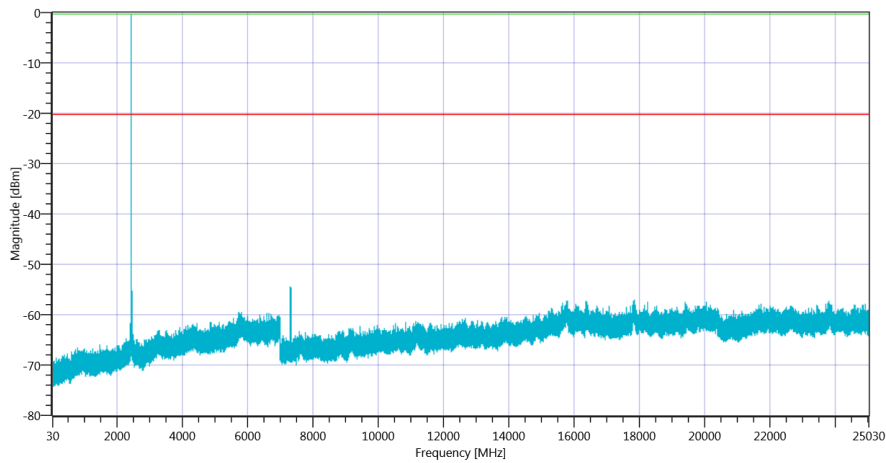
## Test at TX 2440 MHz

### READ SA SETTINGS:

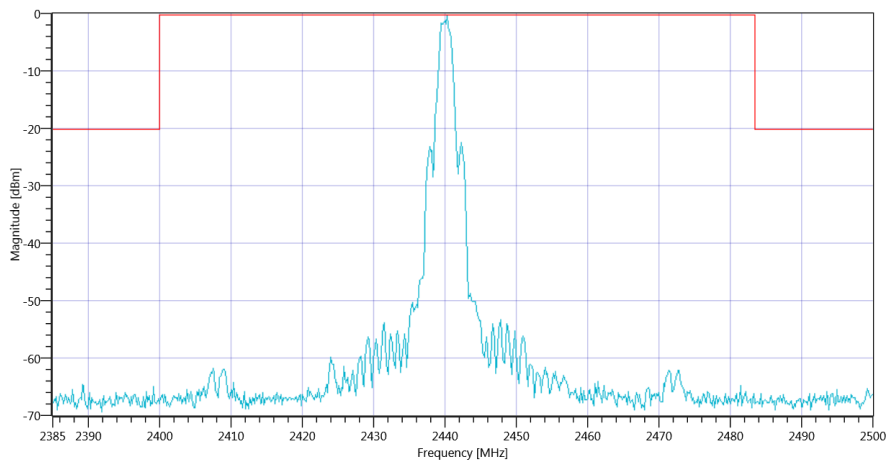
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	3.19   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.33 MHz	---	---	-0.20	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-128.54	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440\_13112020\_131219.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440\_13112020\_131222.png

### TEST FINISHED

General Verdict

13.11.2020 13:12:24 / RT: 288 s

PASS

## 24. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	13.11.2020 13:17:25
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
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	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60



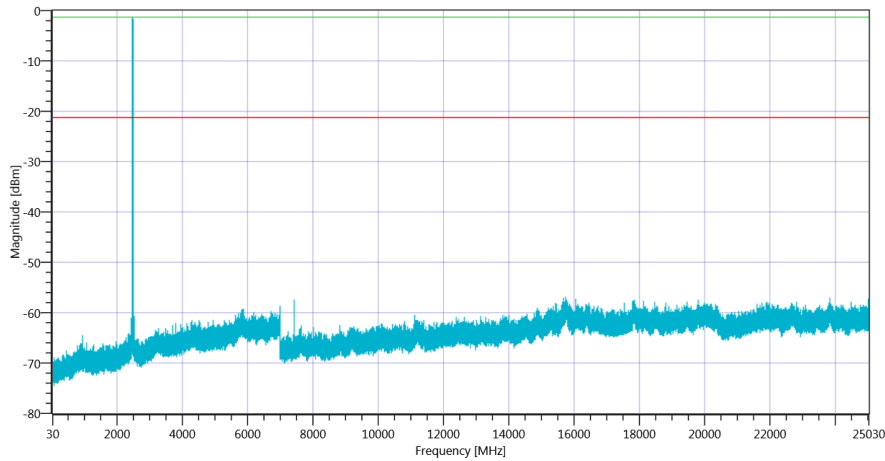
## Test at TX 2480 MHz

### READ SA SETTINGS:

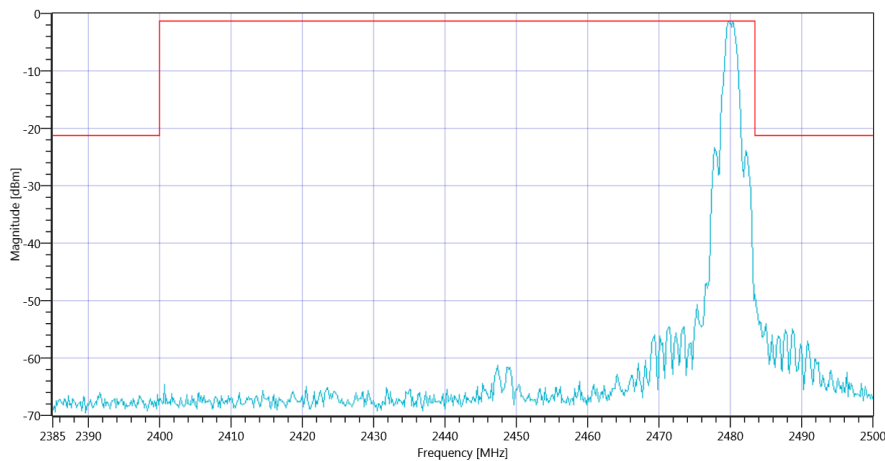
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.73   0   20
Start [MHz]   Stop [MHz]	24530.000   25030.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	500   8   3001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.33 MHz	---	---	-1.31	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.667 MHz	0	---	29.3	dB	INFO



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480\_13112020\_132209.png



Plot\_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480\_13112020\_132212.png

### TEST FINISHED

General Verdict

13.11.2020 13:22:14 / RT: 288 s

PASS

## 25. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:24:33
Ambit Temp [°C]   Humidity [rel%]	23.7   35
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - 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] 2405
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-40,1321.3008K40/101353,3.60

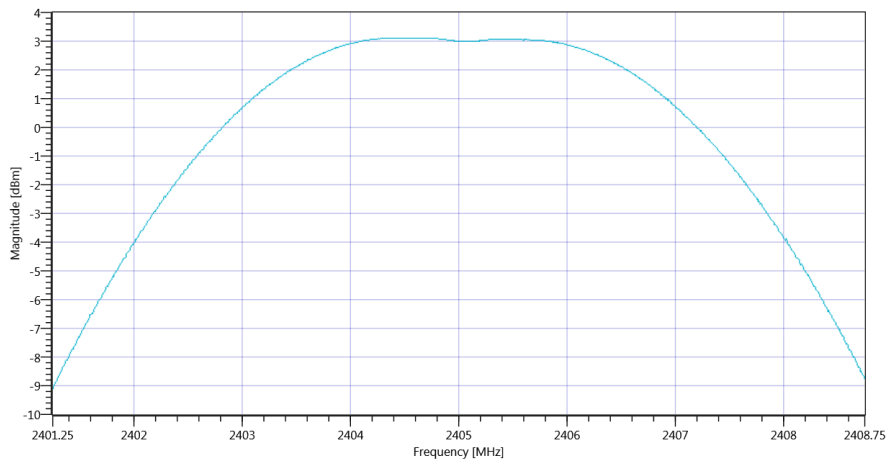
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.99   2.09   30
Start [MHz]   Stop [MHz]	2401.250   2408.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.12	dBm	Info
Peak Power	---	---	2.051162	mW	Info
Frequency at Peak	---	---	2404.416	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_082501.png

### TEST FINISHED

General Verdict

18.11.2020 08:25:01 / RT: 28 s

PASS

## 26. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:25:30
Ambit Temp [°C]   Humidity [rel%]	23.7   35
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - 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] 2405
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-40,1321.3008K40/101353,3.60

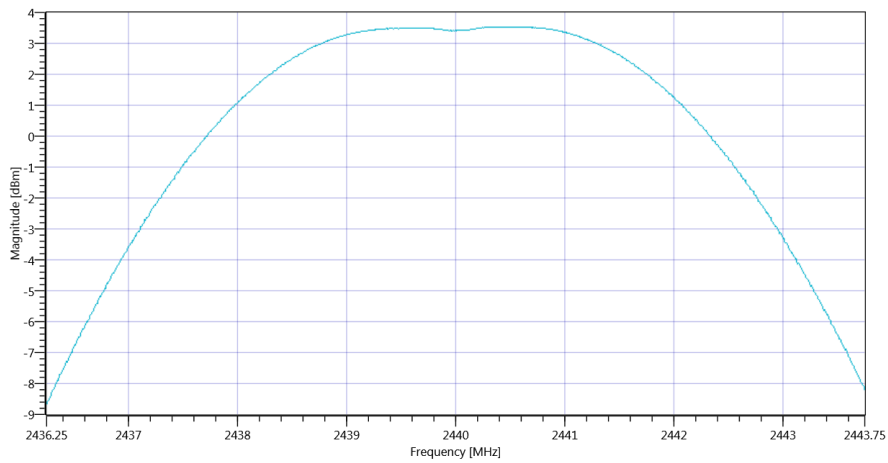
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.40   2.1   30
Start [MHz]   Stop [MHz]	2436.250   2443.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.54	dBm	Info
Peak Power	---	---	2.259436	mW	Info
Frequency at Peak	---	---	2440.405	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_082559.png

### TEST FINISHED

General Verdict

18.11.2020 08:25:59 / RT: 28 s

PASS

## 27. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:26:30
Ambit Temp [°C]   Humidity [rel%]	23.7   35
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - 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] 2405
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-40,1321.3008K40/101353,3.60

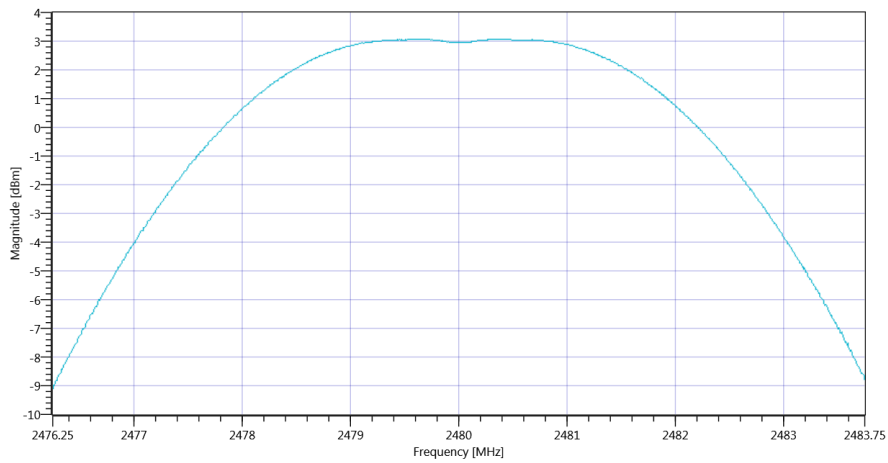
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.88   2.1   30
Start [MHz]   Stop [MHz]	2476.250   2483.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.08	dBm	Info
Peak Power	---	---	2.032357	mW	Info
Frequency at Peak	---	---	2480.367	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_082657.png

### TEST FINISHED

General Verdict

18.11.2020 08:26:57 / RT: 27 s

PASS

## 28. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:27:29
Ambit Temp [°C]   Humidity [rel%]	23.7   35
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60



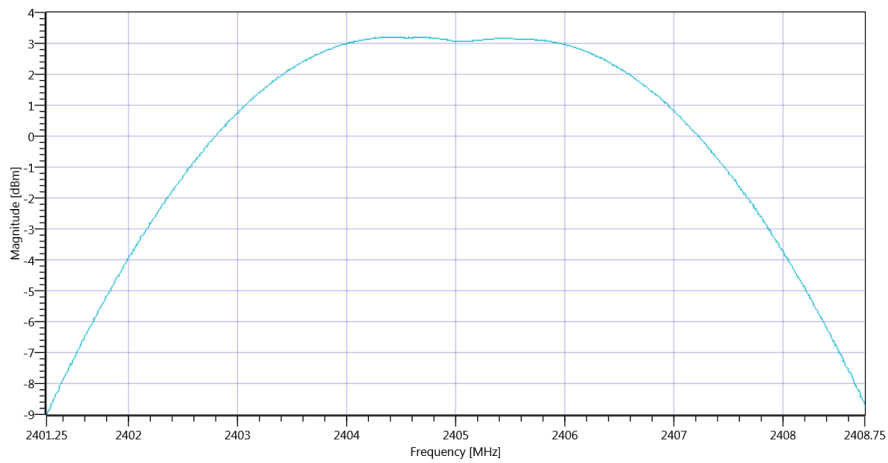
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.07   2.09   30
Start [MHz]   Stop [MHz]	2401.250   2408.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.2	dBm	Info
Peak Power	---	---	2.089296	mW	Info
Frequency at Peak	---	---	2404.401	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_082832.png

### TEST FINISHED

General Verdict

18.11.2020 08:28:32 / RT: 62 s

PASS

## 29. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:28:46
Ambit Temp [°C]   Humidity [rel%]	23.7   35
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

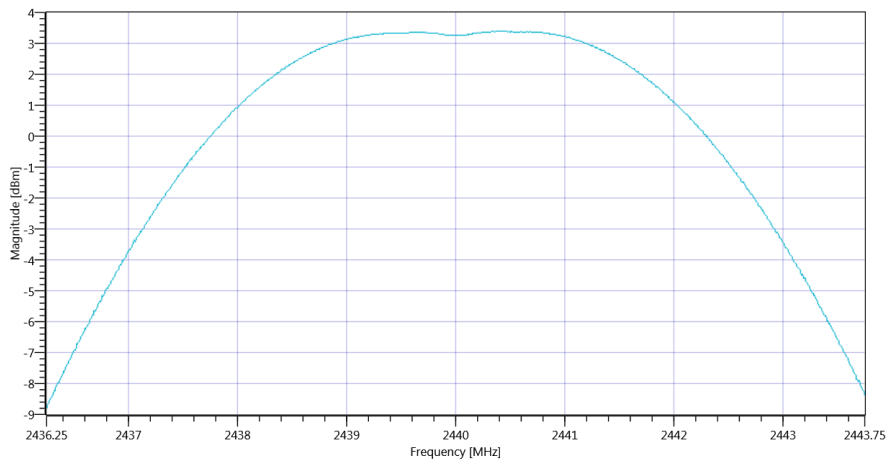
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.23   2.1   30
Start [MHz]   Stop [MHz]	2436.250   2443.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.39	dBm	Info
Peak Power	---	---	2.18273	mW	Info
Frequency at Peak	---	---	2440.39	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_082927.png

### TEST FINISHED

General Verdict

18.11.2020 08:29:27 / RT: 41 s

PASS

## 30. Common2G4 Peak OP 3MHz/3MHz ~ Generic 2G4

Test References	
TC Start	18.11.2020 08:32:21
Ambit Temp [°C]   Humidity [rel%]	23.7   36
System Version	1.0.1.2
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

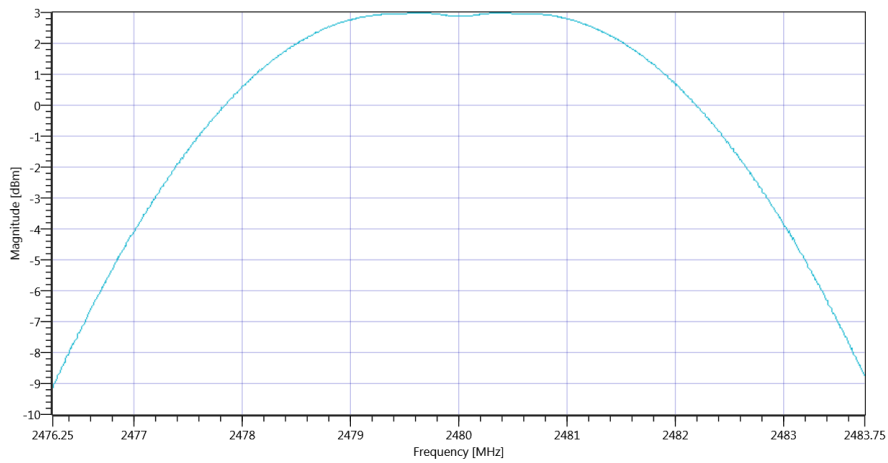
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.80   2.1   30
Start [MHz]   Stop [MHz]	2476.250   2483.750
RBW [MHz]   VBW [MHz]	3.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	2.99	dBm	Info
Peak Power	---	---	1.990673	mW	Info
Frequency at Peak	---	---	2480.367	MHz	Info



Plot\_Common2G4 Peak OP 3MHz-3MHz ~ Generic 2G4\_18112020\_083250.png

### TEST FINISHED

General Verdict

18.11.2020 08:32:50 / RT: 29 s

PASS

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

Test References	
TC Start	13.11.2020 11:20:51
Ambit Temp [°C]   Humidity [rel%]	24.0   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - 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] 2405
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-40,1321.3008K40/101353,3.60

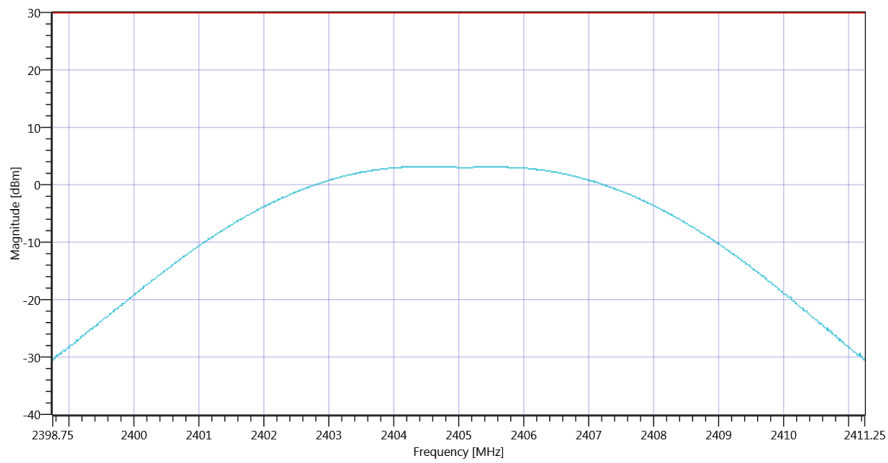
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.97   2.09   30
Start [MHz]   Stop [MHz]	2398.750   2411.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.12	dBm	PASS
Peak Power	---	1000	2.051162	mW	PASS
Frequency at Peak	---	---	2404.376	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_112118.png

### TEST FINISHED

General Verdict

13.11.2020 11:21:18 / RT: 27 s

PASS

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

Test References	
TC Start	13.11.2020 12:27:39
Ambit Temp [°C]   Humidity [rel%]	24.5   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - 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] 2405
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-40,1321.3008K40/101353,3.60



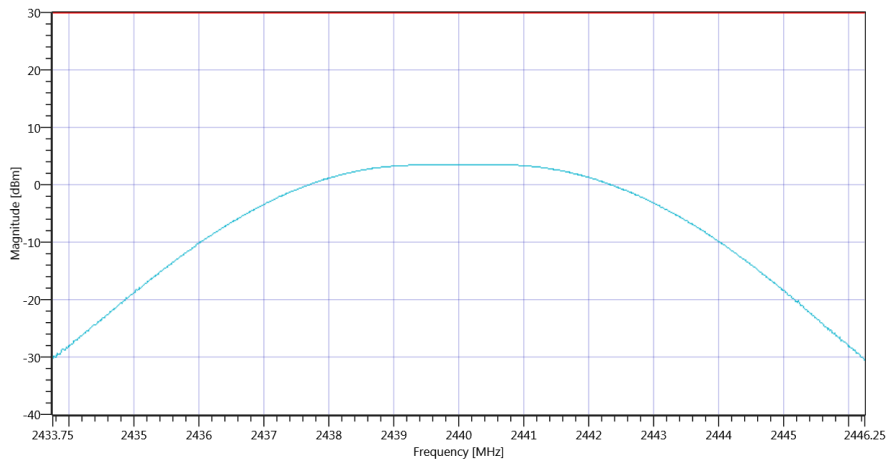
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.30   2.1   30
Start [MHz]   Stop [MHz]	2433.750   2446.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.48	dBm	PASS
Peak Power	---	1000	2.228435	mW	PASS
Frequency at Peak	---	---	2440.375	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_122805.png

### TEST FINISHED

General Verdict	13.11.2020 12:28:05 / RT: 26 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	13.11.2020 12:39:31
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - 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] 2405
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-40,1321.3008K40/101353,3.60

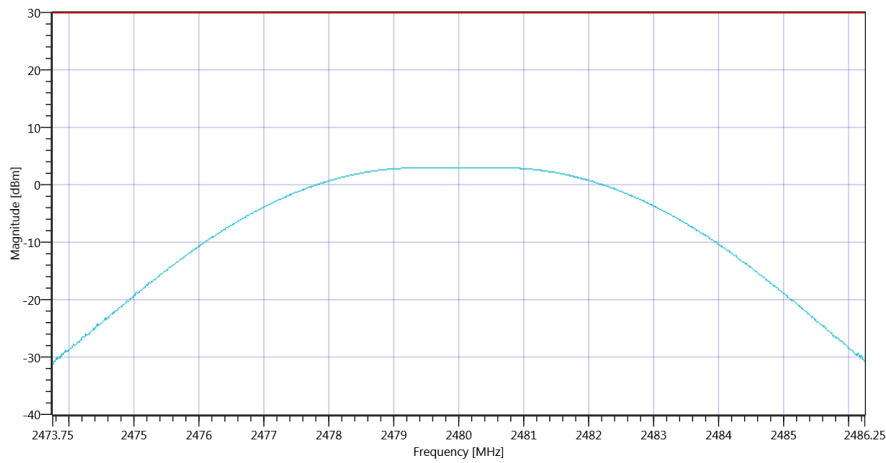
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.76   2.1   30
Start [MHz]   Stop [MHz]	2473.750   2486.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.97	dBm	PASS
Peak Power	---	1000	1.981527	mW	PASS
Frequency at Peak	---	---	2479.625	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_123958.png

### TEST FINISHED

General Verdict

13.11.2020 12:39:58 / RT: 27 s

PASS

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

Test References	
TC Start	13.11.2020 12:53:18
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	True   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

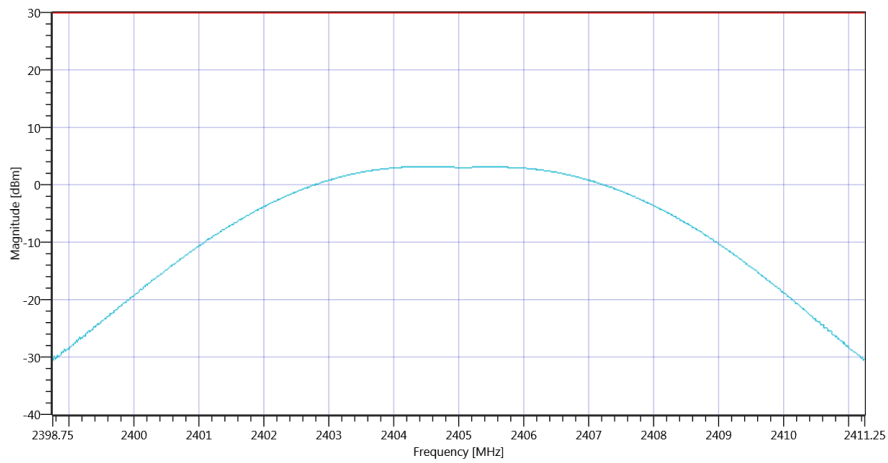
## Test at TX 2405 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.01   2.09   30
Start [MHz]   Stop [MHz]	2398.750   2411.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.11	dBm	PASS
Peak Power	---	1000	2.046445	mW	PASS
Frequency at Peak	---	---	2404.363	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_125344.png

### TEST FINISHED

General Verdict

13.11.2020 12:53:45 / RT: 26 s

PASS

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

Test References	
TC Start	13.11.2020 13:05:07
Ambit Temp [°C]   Humidity [rel%]	24.7   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60

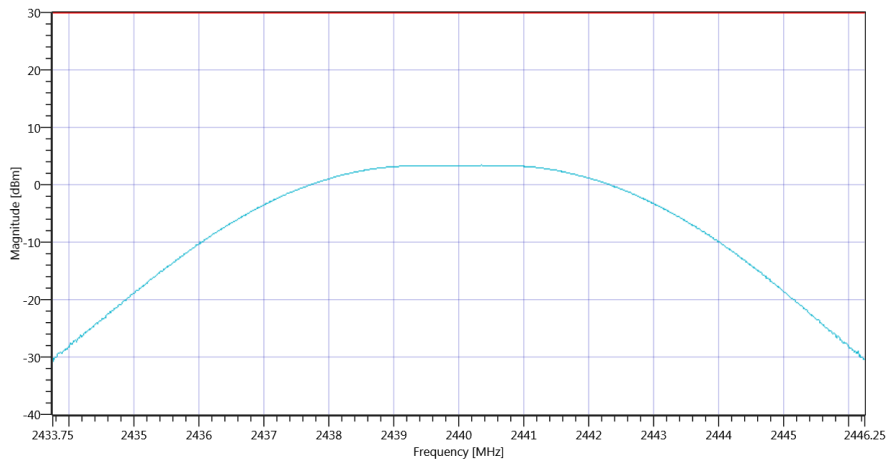
## Test at TX 2440 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.18   2.1   30
Start [MHz]   Stop [MHz]	2433.750   2446.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.38	dBm	PASS
Peak Power	---	1000	2.17771	mW	PASS
Frequency at Peak	---	---	2440.35	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_130534.png

### TEST FINISHED

General Verdict

13.11.2020 13:05:34 / RT: 27 s

PASS

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

Test References	
TC Start	13.11.2020 13:14:58
Ambit Temp [°C]   Humidity [rel%]	24.6   38
System Version	1.0.1.1
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	2
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2405
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-40,1321.3008K40/101353,3.60



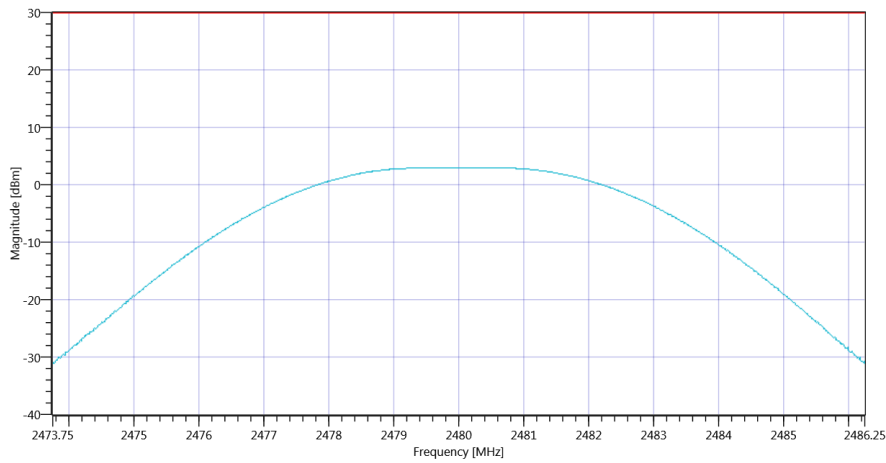
## Test at TX 2480 MHz

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.72   2.1   30
Start [MHz]   Stop [MHz]	2473.750   2486.250
RBW [MHz]   VBW [MHz]	3.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1000   10   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.94	dBm	PASS
Peak Power	---	1000	1.967886	mW	PASS
Frequency at Peak	---	---	2480.362	MHz	Information



Plot\_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4\_13112020\_131524.png

### TEST FINISHED

General Verdict	13.11.2020 13:15:25 / RT: 26 s	PASS
-----------------	--------------------------------	------

- END OF DOCUMENT -