

Measurement Results

1-1328/20-01-04_log1_conducted

[Test logging](#)

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Document authorized:

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EUT Summary

EUT DEFINITION	
Manufacturer	Sensire
Type	GWX
Kind	Gateway
Serial Number Setup Number	20000031 & 20000032 1.0
Version SW FW HW	NI NI NI
Comment 1 2	
Temperature [°C] Min Nom Max	-30 22 75
Voltage [V] Min Nom Max @Current Max [A]	- 115 - @2A

EUT Common Settings 2G4	
Hopping supported	Yes
Burst length [ms]	see test
Nominal Bandwidth [MHz]	see test
User Interaction	Yes

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

Test References	
TC Start	18.02.2021 11:25:30
Ambit Temp [°C] Humidity [rel%]	24.7 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.2
My Description	FCC 15.247 Bandwidth 99PCT - 20DB FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

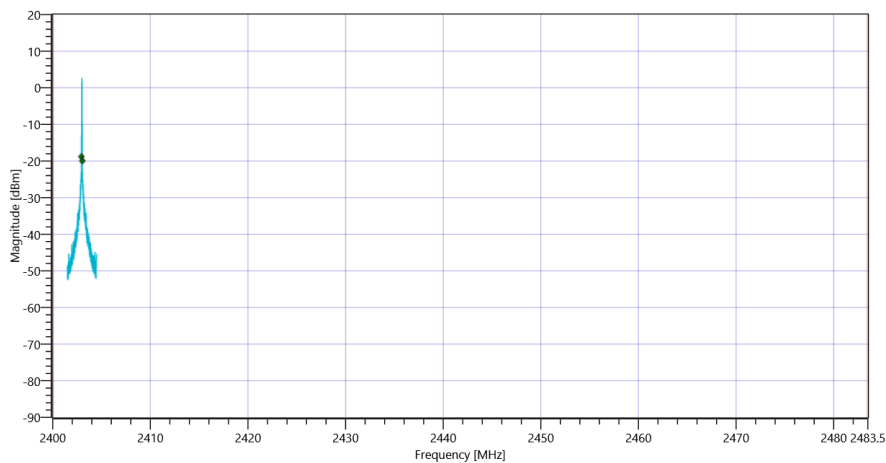
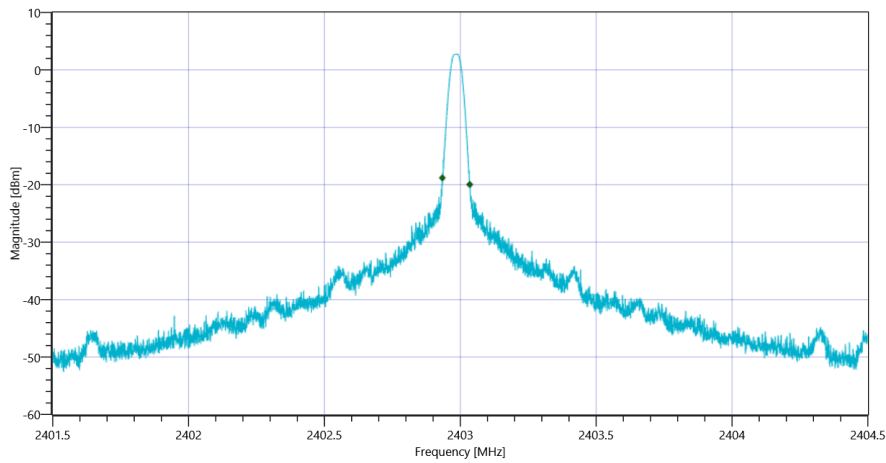
Test at TX 2403 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.87 15.68 10
Start [MHz] Stop [MHz]	2401.500 2404.500
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

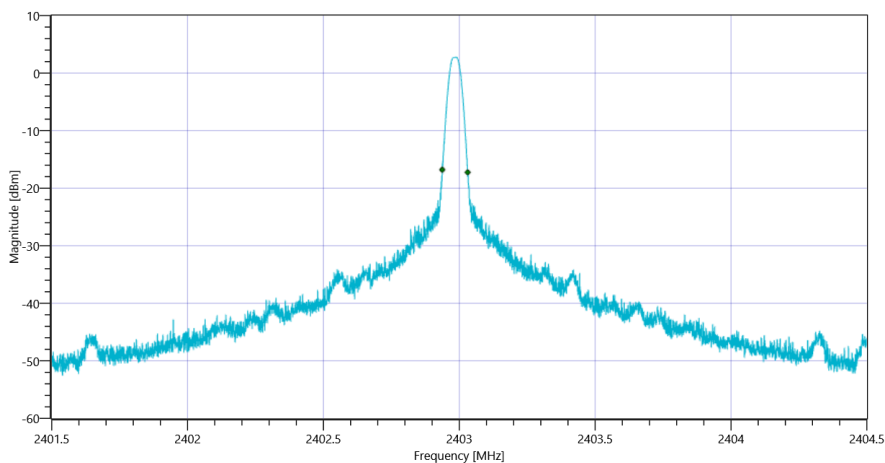
RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	101	kHz	INFO
T1 99%	2400.000000	---	2402.9337	MHz	PASS
T2 99%	---	2483.500000	2403.0348	MHz	PASS

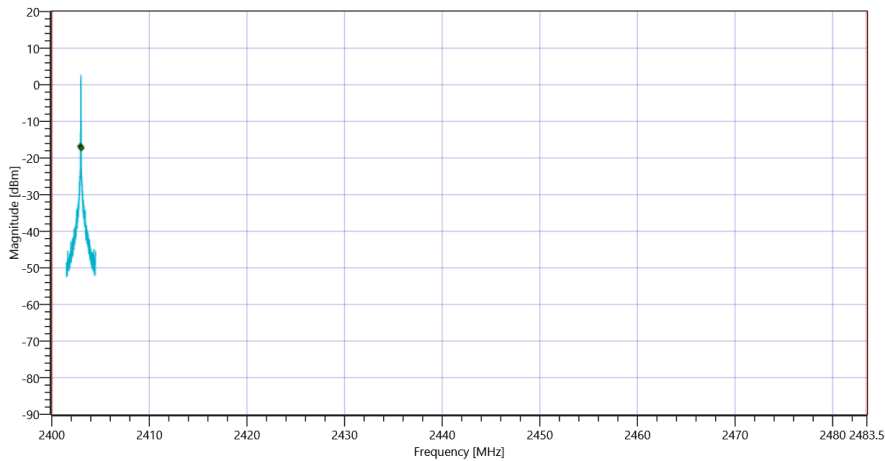


RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	93	kHz	INFO
T1 20dB	2400.000000	---	2402.9373	MHz	PASS
T2 20dB	---	2483.500000	2403.0306	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_18022021_112702.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_18022021_112709.png

TEST FINISHED	
General Verdict	PASS

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

Test References	
TC Start	18.02.2021 11:36:18
Ambit Temp [°C] Humidity [rel%]	24.7 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.2
My Description	FCC 15.247 Bandwidth 99PCT - 20DB FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	True Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

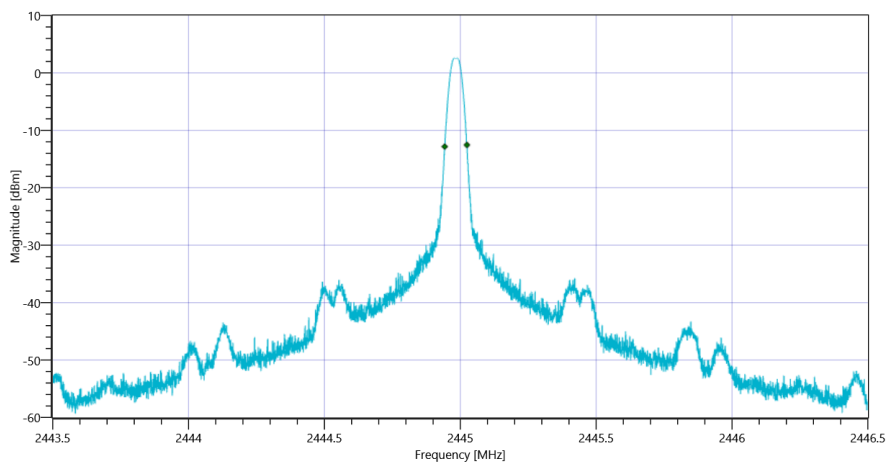
Test at TX 2445 MHz

READ SA SETTINGS:

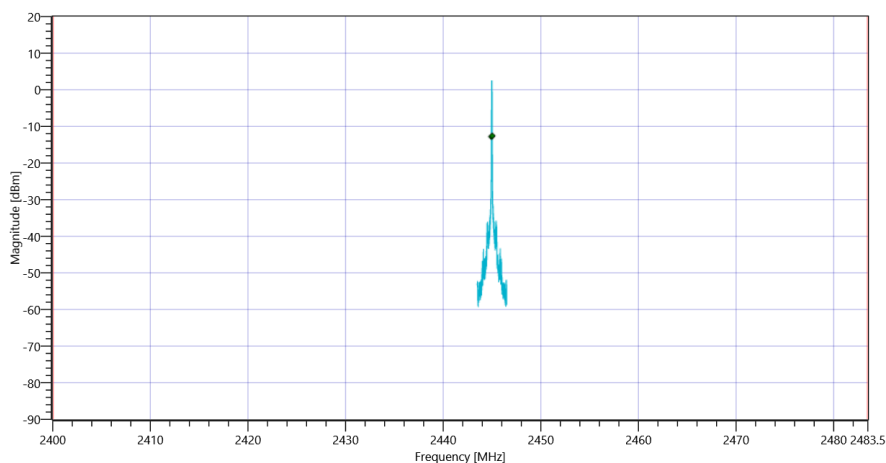
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.55 15.48 10
Start [MHz] Stop [MHz]	2443.500 2446.500
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	82	kHz	INFO
T1 99%	2400.000000	---	2444.9427	MHz	PASS
T2 99%	---	2483.500000	2445.0243	MHz	PASS



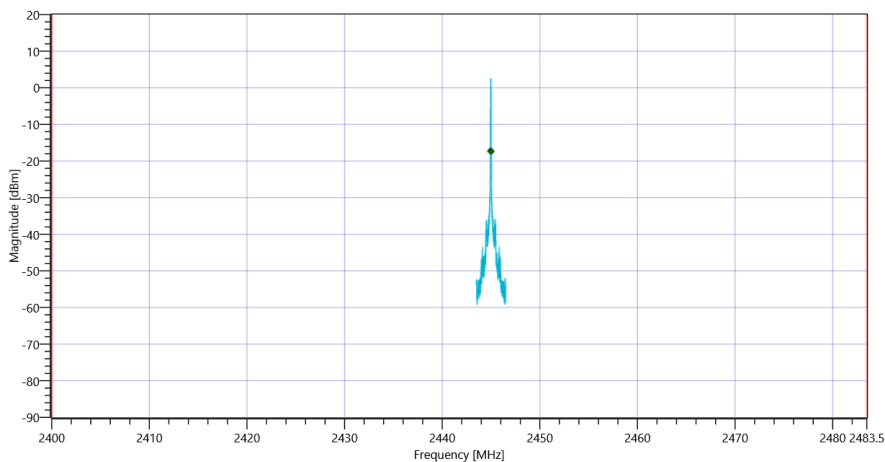
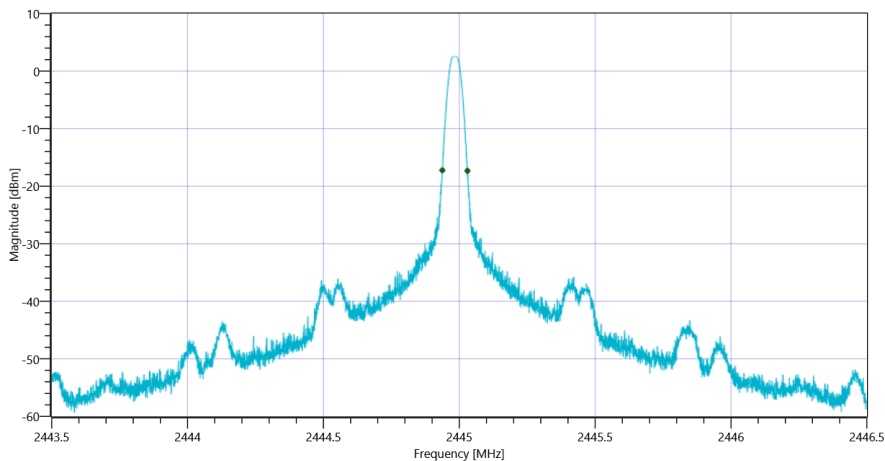
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_18022021_113655.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_18022021_113703.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	93	kHz	INFO
T1 20dB	2400.000000	---	2444.9373	MHz	PASS
T2 20dB	---	2483.500000	2445.0300	MHz	PASS



TEST FINISHED

General Verdict

PASS

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

Test References	
TC Start	18.02.2021 11:45:38
Ambit Temp [°C] Humidity [rel%]	24.8 27
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.2
My Description	FCC 15.247 Bandwidth 99PCT - 20DB FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	True Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

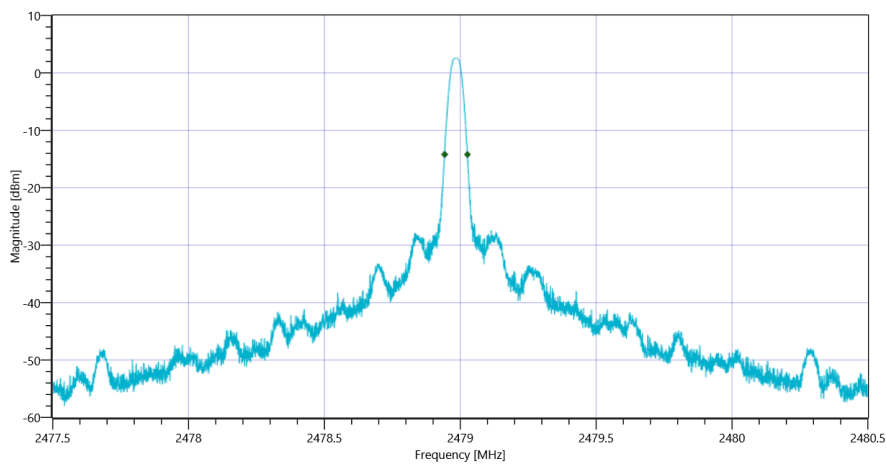
Test at TX 2479 MHz

READ SA SETTINGS:

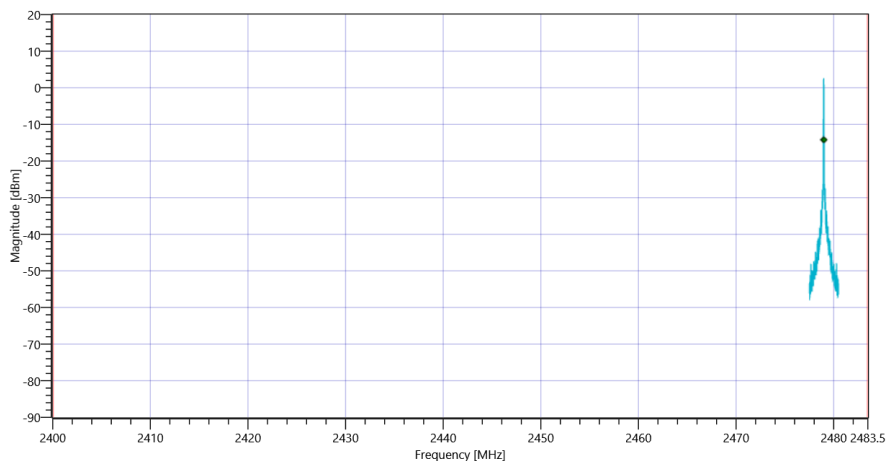
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.76 15.41 10
Start [MHz] Stop [MHz]	2477.500 2480.500
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	84	kHz	INFO
T1 99%	2400.000000	---	2478.9424	MHz	PASS
T2 99%	---	2483.500000	2479.0261	MHz	PASS



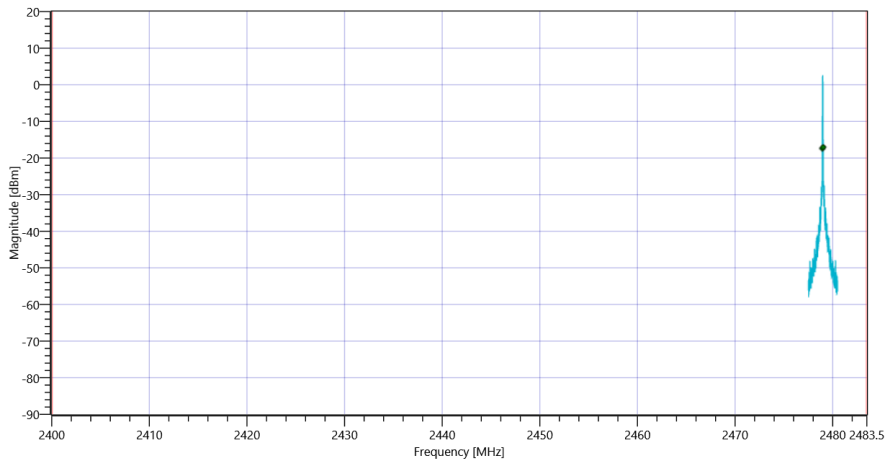
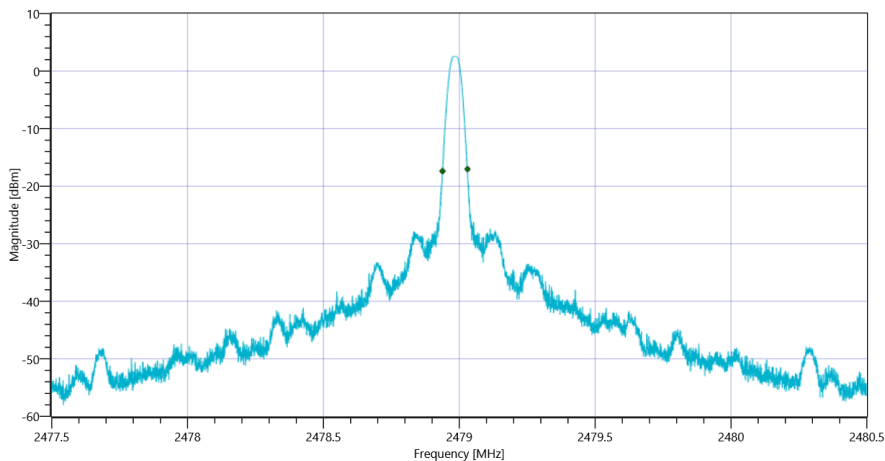
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_18022021_114614.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_18022021_114622.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	92	kHz	INFO
T1 20dB	2400.000000	---	2478.9382	MHz	PASS
T2 20dB	---	2483.500000	2479.0300	MHz	PASS



TEST FINISHED

General Verdict

PASS

4. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	18.02.2021 11:19:11
Ambit Temp [°C] Humidity [rel%]	24.6 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
TC Version	0.0.1
My Description	FCC 15.247 TX Emissions Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

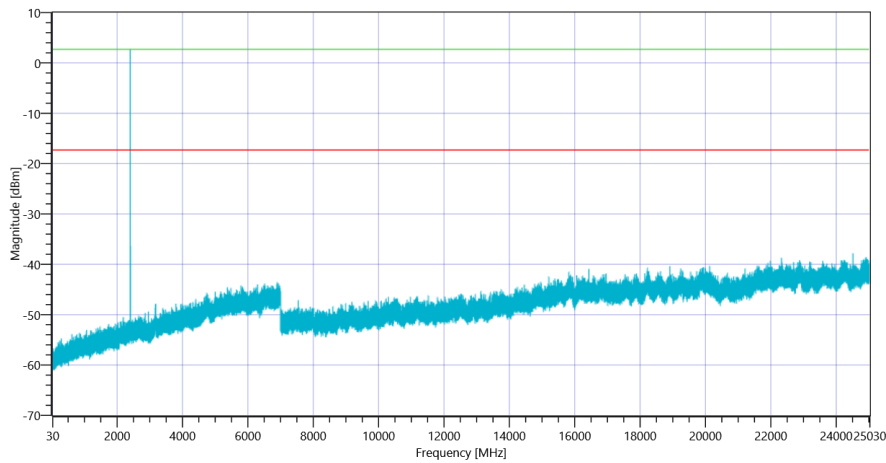
Test at TX 2403 MHz

READ SA SETTINGS:

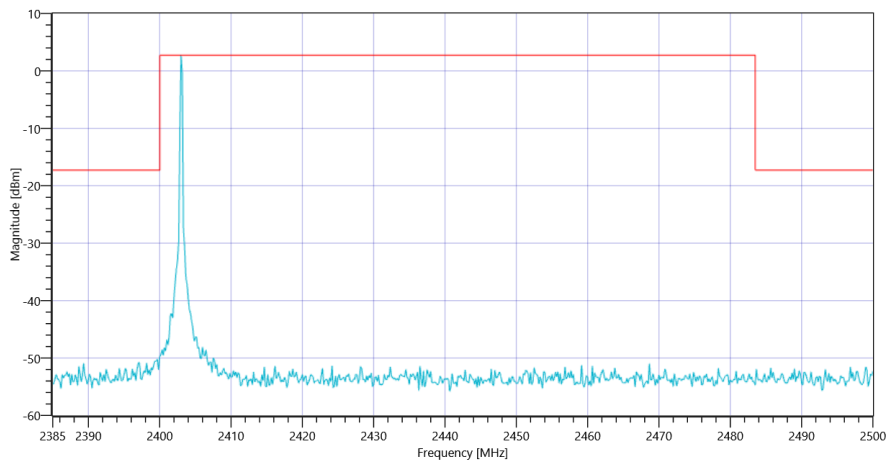
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.89 0 20
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2403.00 MHz	---	---	2.71	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 24511.333 MHz	0	---	20.53	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2403_18022021_112517.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2403_18022021_112523.png

TEST FINISHED

General Verdict

PASS

5. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	18.02.2021 11:29:20
Ambit Temp [°C] Humidity [rel%]	24.7 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
TC Version	0.0.1
My Description	FCC 15.247 TX Emissions Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	True Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

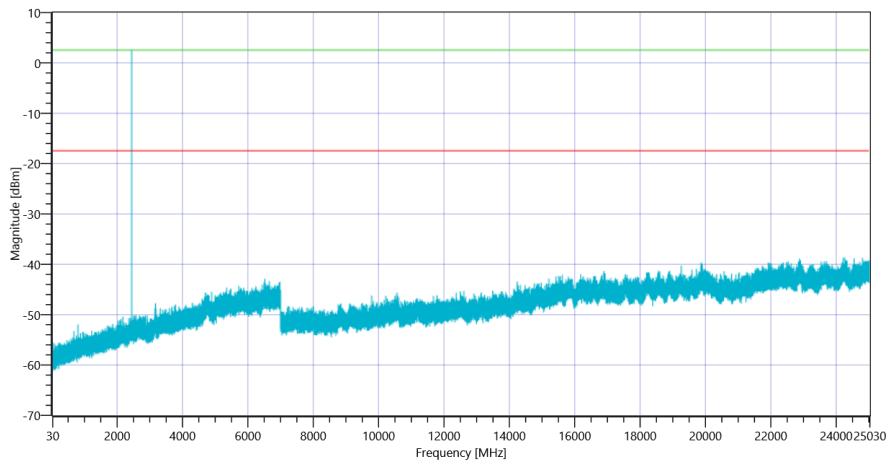
Test at TX 2445 MHz

READ SA SETTINGS:

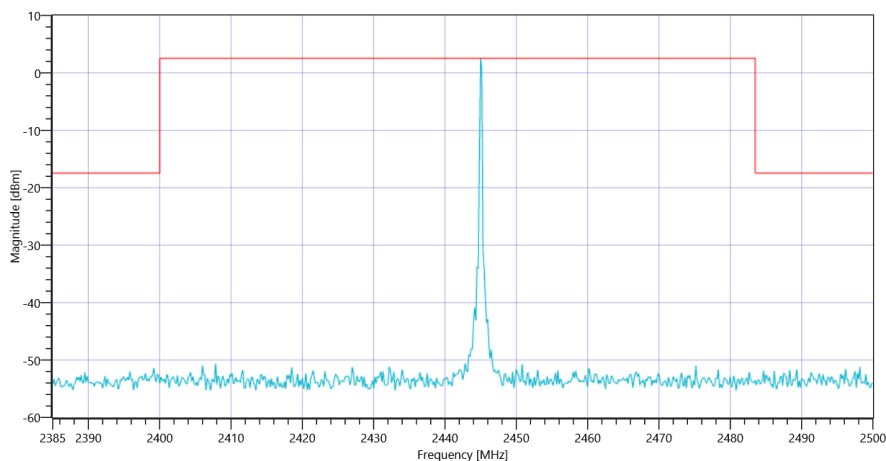
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.56 0 20
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2445.00 MHz	---	---	2.54	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-141.62	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2445_18022021_113605.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2445_18022021_113611.png

TEST FINISHED

General Verdict

PASS

6. FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4

Test References	
TC Start	18.02.2021 11:39:15
Ambit Temp [°C] Humidity [rel%]	24.7 27
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
TC Version	0.0.1
My Description	FCC 15.247 TX Emissions Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	True Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

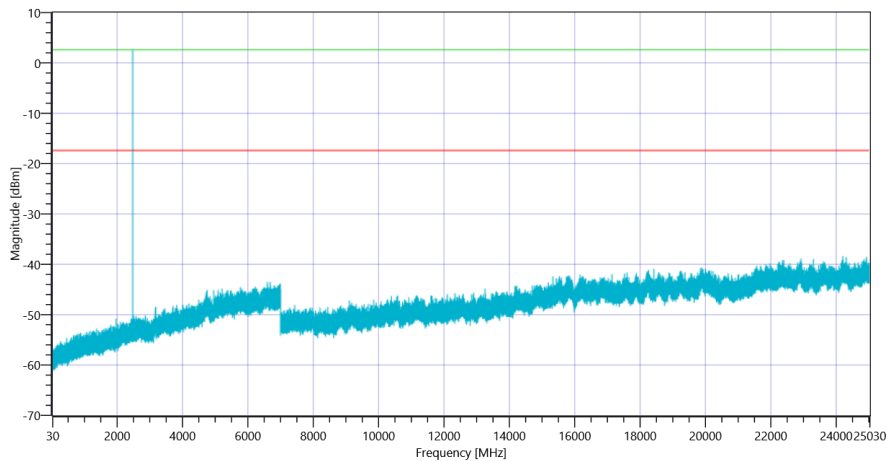
Test at TX 2479 MHz

READ SA SETTINGS:

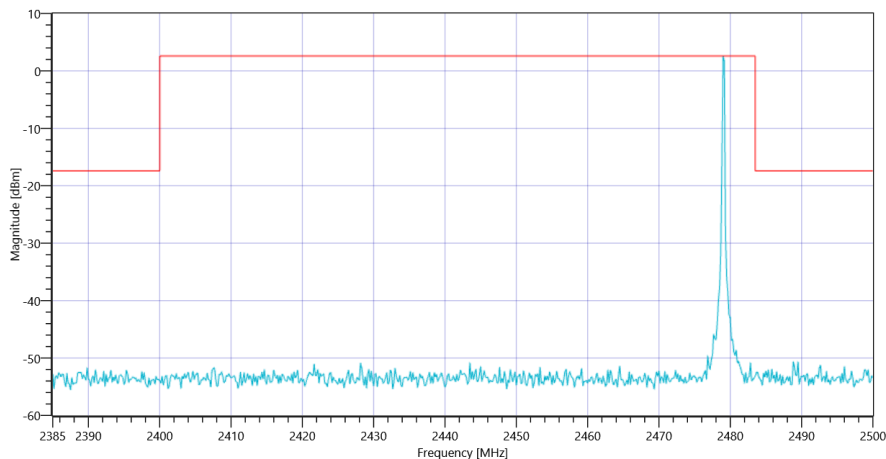
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.74 0 20
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2479.00 MHz	---	---	2.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 24198.667 MHz	0	---	20.91	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2479_18022021_114526.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2479_18022021_114532.png

TEST FINISHED

General Verdict

PASS

7. FCC Part 15.247 TX Spurious Conducted ~ hopping mode

Test References	
TC Start	18.02.2021 12:03:05
Ambit Temp [°C] Humidity [rel%]	24.8 27
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
TC Version	0.0.1
My Description	FCC 15.247 TX Emissions Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

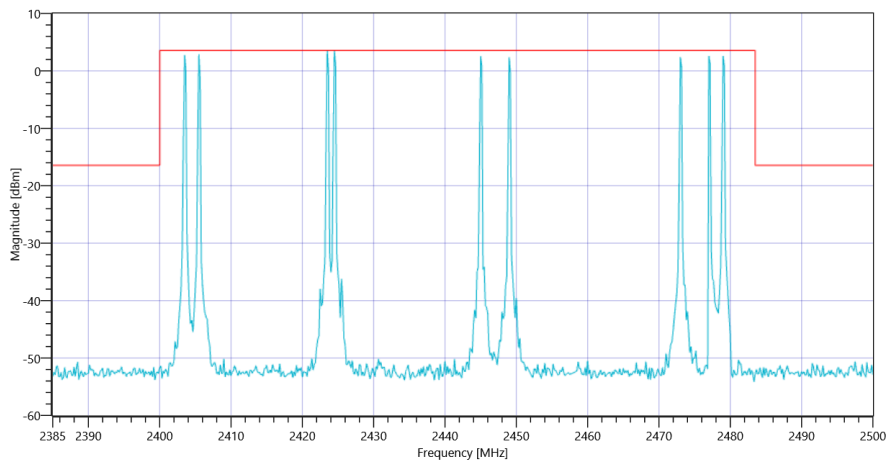
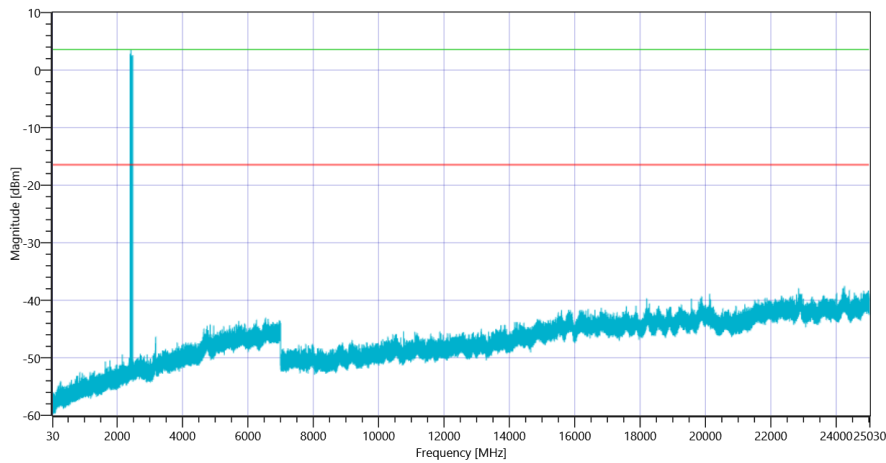
Test at TX 2403 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.77 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	2000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2423.50 MHz	---	---	3.56	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 24258 MHz	0	---	21.1	dB	INFO



TEST FINISHED

General Verdict

PASS

8. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	23.02.2021 07:09:50
Ambit Temp [°C] Humidity [rel%]	23.0 32
System Version	2.0.0.2
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

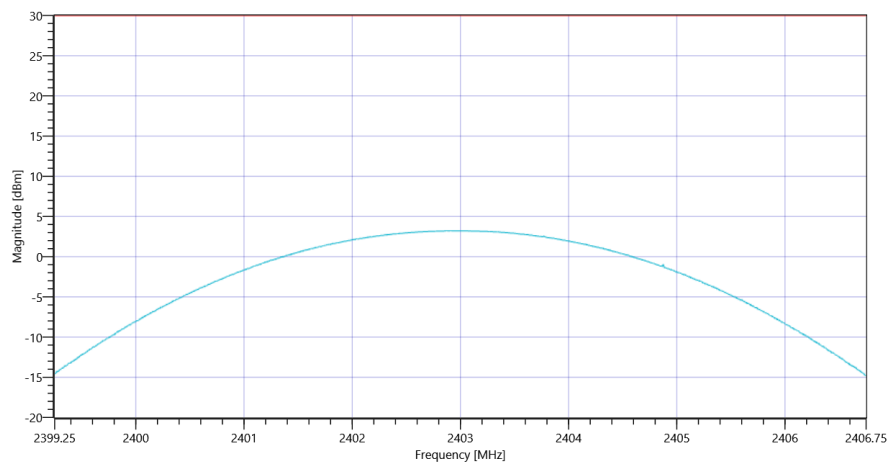
Test at TX 2403 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.48 15.68 15
Start [MHz] Stop [MHz]	2399.250 2406.750
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	3.21	dBm	PASS
Peak Power	---	1000	2.094112	mW	PASS
Frequency at Peak	---	---	2402.933	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_23022021_071026.png

TEST FINISHED

General Verdict

PASS

9. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	18.02.2021 11:28:38
Ambit Temp [°C] Humidity [rel%]	24.7 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	True Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

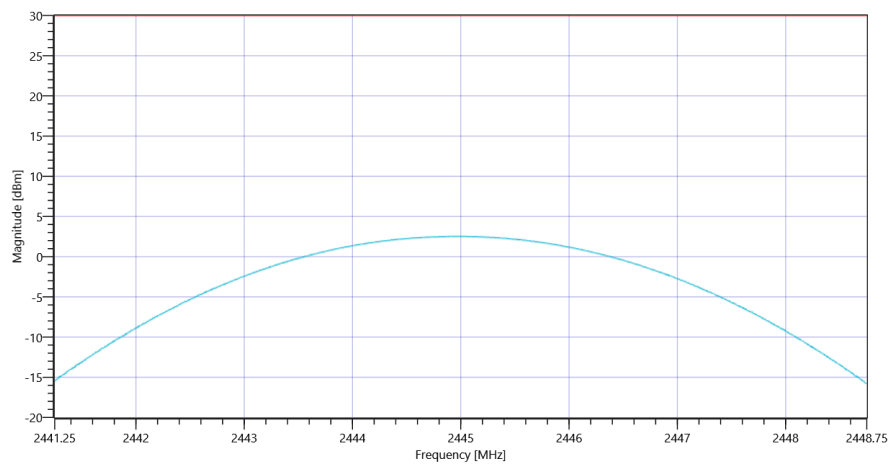
Test at TX 2445 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.57 15.48 15
Start [MHz] Stop [MHz]	2441.250 2448.750
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	2.51	dBm	PASS
Peak Power	---	1000	1.782379	mW	PASS
Frequency at Peak	---	---	2445	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_18022021_112914.png

TEST FINISHED

General Verdict

PASS

10. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

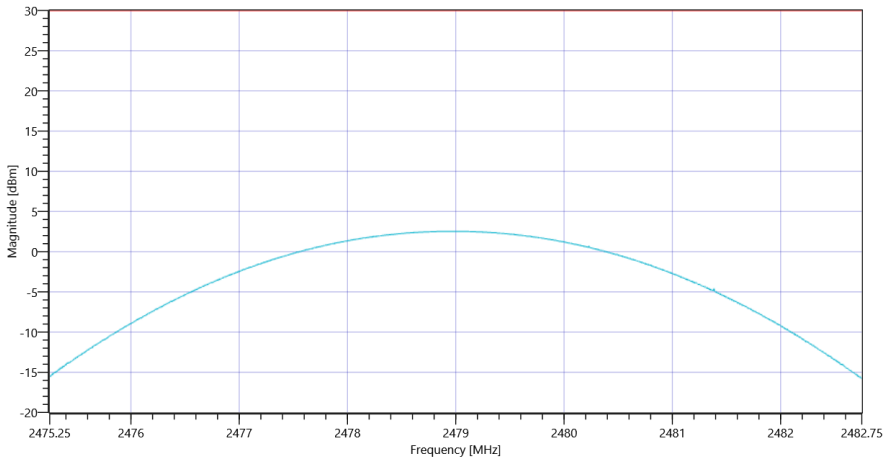
Test References	
TC Start	18.02.2021 11:38:35
Ambit Temp [°C] Humidity [rel%]	24.7 28
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.1
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	True Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 2479 MHz

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.76 15.41 15
Start [MHz] Stop [MHz]	2475.250 2482.750
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	2.53	dBm	PASS
Peak Power	---	1000	1.790606	mW	PASS
Frequency at Peak	---	---	2478.918	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_18022021_113910.png

TEST FINISHED	
General Verdict	PASS

11. FCC Part 15.247 Number Of Hopping Channels FHSS ~ Generic 2G4

Test References	
TC Start	18.02.2021 12:30:08
Ambit Temp [°C] Humidity [rel%]	24.7 27
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.1
My Description	FCC 15.247 Number Of Hopping Channels FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2403
Frequency mid to test	False Freq [MHz] 2445
Frequency high to test	False Freq [MHz] 2479
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

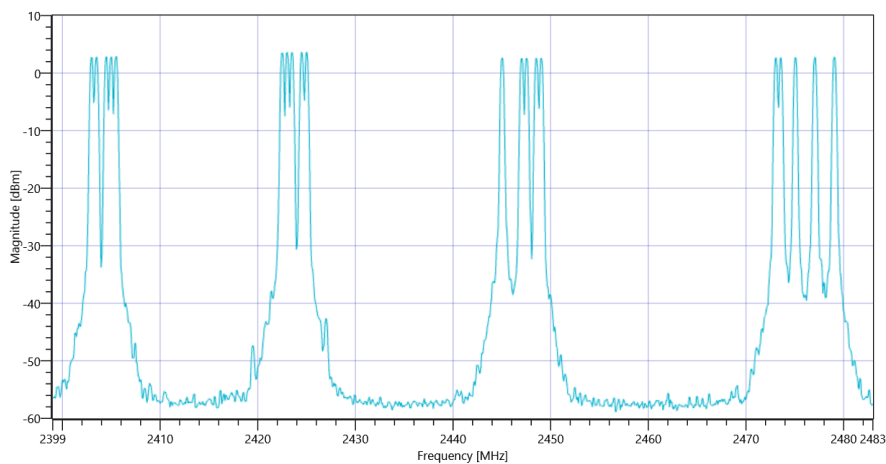
Test at TX hopping MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.74 15.51 10
Start [MHz] Stop [MHz]	2399.000 2483.000
RBW [MHz] VBW [MHz]	0.200000 0.500000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10000 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Hopp channel (rounded)	---	---	2403	MHz	Information
Hopp channel (rounded)	---	---	2404	MHz	Information
Hopp channel (rounded)	---	---	2404	MHz	Information
Hopp channel (rounded)	---	---	2405	MHz	Information
Hopp channel (rounded)	---	---	2406	MHz	Information
Hopp channel (rounded)	---	---	2423	MHz	Information
Hopp channel (rounded)	---	---	2423	MHz	Information
Hopp channel (rounded)	---	---	2424	MHz	Information
Hopp channel (rounded)	---	---	2425	MHz	Information
Hopp channel (rounded)	---	---	2425	MHz	Information
Hopp channel (rounded)	---	---	2445	MHz	Information
Hopp channel (rounded)	---	---	2447	MHz	Information
Hopp channel (rounded)	---	---	2448	MHz	Information
Hopp channel (rounded)	---	---	2449	MHz	Information
Hopp channel (rounded)	---	---	2449	MHz	Information
Hopp channel (rounded)	---	---	2473	MHz	Information
Hopp channel (rounded)	---	---	2474	MHz	Information
Hopp channel (rounded)	---	---	2475	MHz	Information
Hopp channel (rounded)	---	---	2477	MHz	Information
Hopp channel (rounded)	---	---	2479	MHz	Information
Σ Hopping channels	15	---	20	Number	PASS



Plot_FCC Part 15.247 Number Of Hopping Channels FHSS ~ Generic 2G4_18022021_123051.png

TEST FINISHED

General Verdict

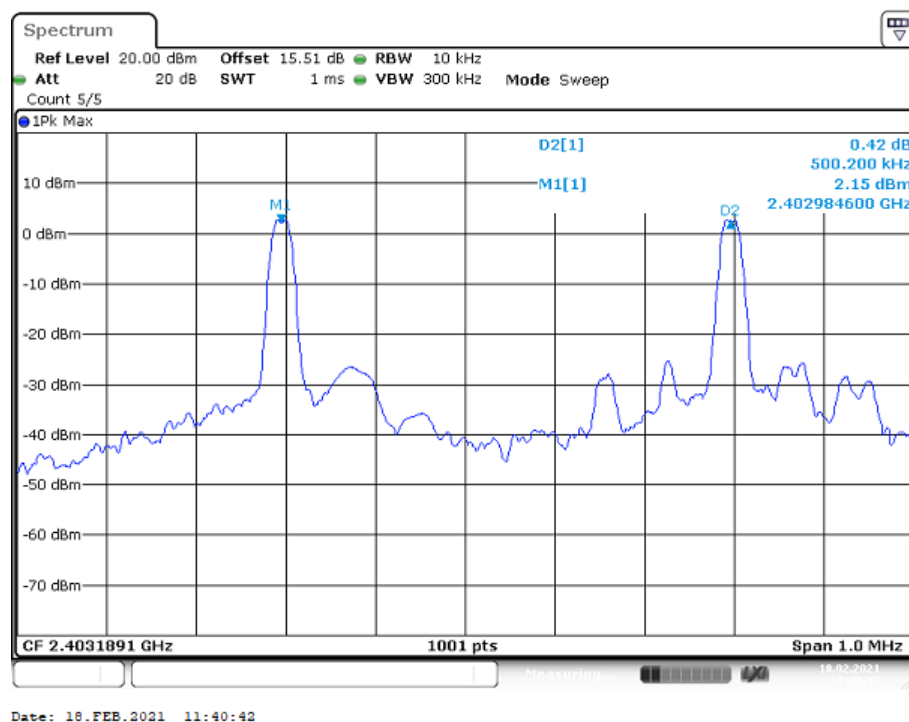
PASS

12. Carrier frequency separation 1

Test References	
TC Start	18.02.2021 12:37:50
Ambit Temp [°C] Humidity [rel%]	24.8 27
System Version	1.9.9.9
Test Specification	None
Test Method	
TC Version	0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	None
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.00 15.51 20
Start [MHz] Stop [MHz]	2402.689 2403.689
RBW [MHz] VBW [MHz]	0.010000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 5 1001 SWE



Date: 18.FEB.2021 11:40:42

HC_18022021_123752.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Freq.	---	---	2402.984600	MHz	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Freq.	---	---	0.500200	MHz	Information
Delta Marker 2 Level	---	---	0.410	dB	Information

TEST FINISHED

General Verdict

INFO

13. Carrier frequency separation 2

Test References

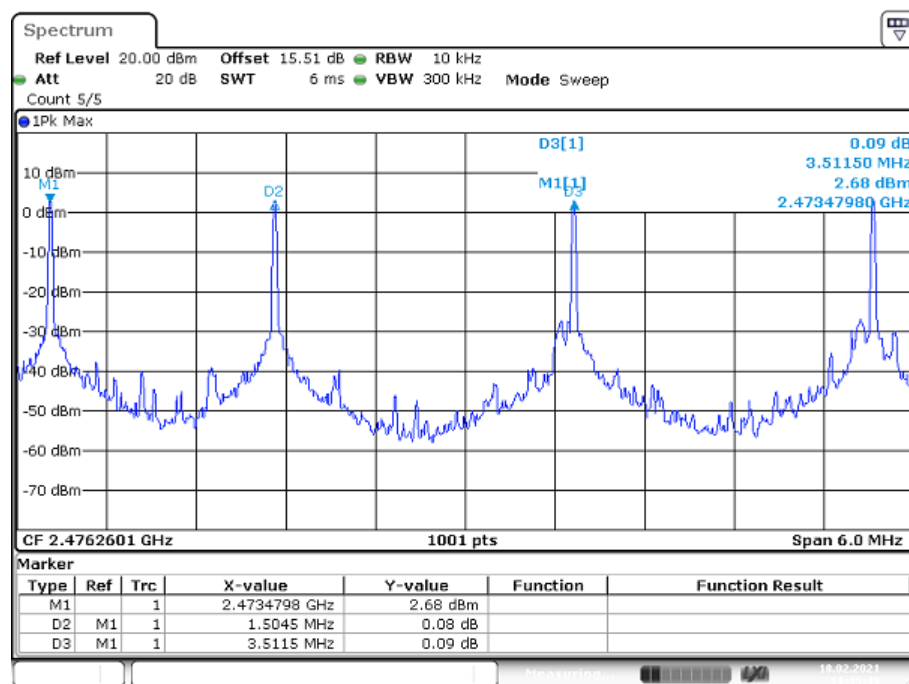
TC Start	18.02.2021 12:42:57
Ambit Temp [°C] Humidity [rel%]	24.7 27
System Version	1.9.9.9
Test Specification	None
Test Method	
TC Version	0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	None
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.00 15.51 20
Start [MHz] Stop [MHz]	2473.260 2479.260
RBW [MHz] VBW [MHz]	0.010000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	6 5 1001 SWE



HC_18022021_124259.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Freq.	---	---	2473.479800	MHz	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Freq.	---	---	1.504500	MHz	Information
Delta Marker 2 Level	---	---	0.077	dB	Information
Delta Marker 3 Freq.	---	---	3.511500	MHz	Information
Delta Marker 3 Level	---	---	0.091	dB	Information

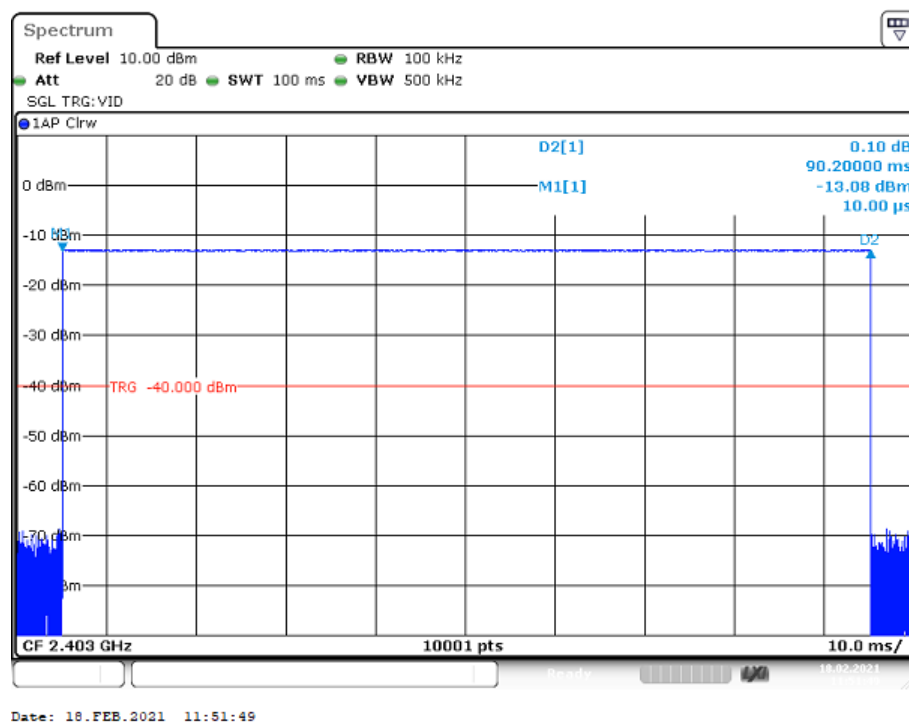
TEST FINISHED					
General Verdict				INFO	

14. Timing 1 - burst

Test References	
TC Start	18.02.2021 12:48:57
Ambit Temp [°C] Humidity [rel%]	24.7 27
System Version	1.9.9.9
Test Specification	None
Test Method	
TC Version	0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	None
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.00 0 20
Start [MHz] Stop [MHz]	2403.000 2403.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	APE WRIT
Sweep: Time [ms] Count Points per Section Type	100 0 10001 SWE



HC_18022021_124859.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.010	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	90.200	ms	Information
Delta Marker 2 Level	---	---	0.096	dB	Information

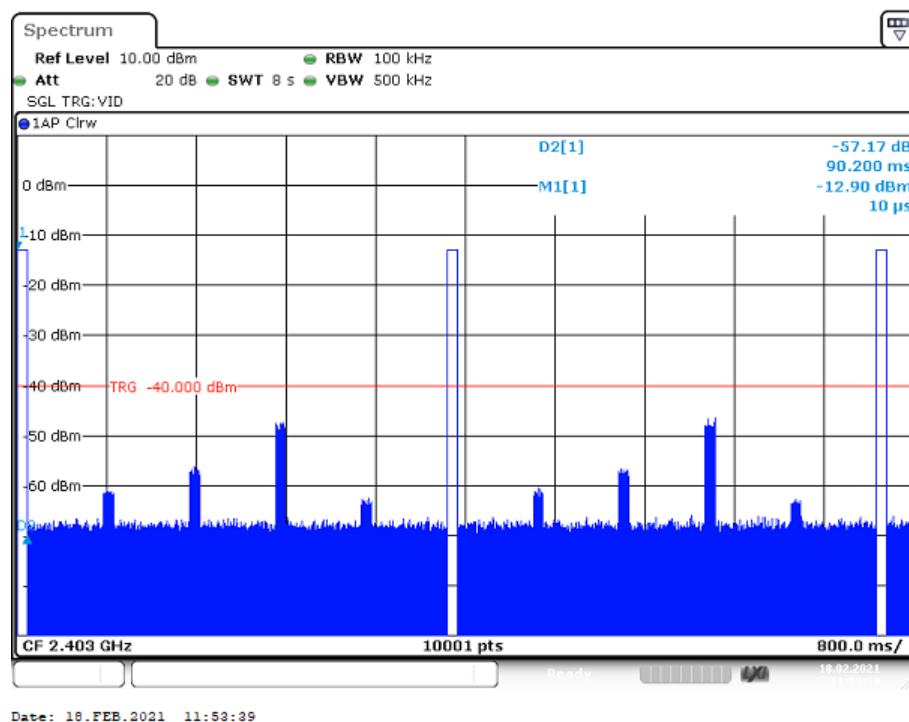
TEST FINISHED					
General Verdict				INFO	

15. Timing 2 - observation window

Test References	
TC Start	18.02.2021 12:50:47
Ambit Temp [°C] Humidity [rel%]	24.7 27
System Version	1.9.9.9
Test Specification	None
Test Method	
TC Version	0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	None
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.00 0 20
Start [MHz] Stop [MHz]	2403.000 2403.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	APE WRIT
Sweep: Time [ms] Count Points per Section Type	8000 0 10001 SWE



HC_18022021_125049.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.010	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	90.200	ms	Information
Delta Marker 2 Level	---	---	-57.168	dB	Information

TEST FINISHED					
General Verdict				INFO	

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