

Measurement Results

1-8822/19-01-05_log2_conducted

[Test logging](#)

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Document authorized:

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Radio Communications

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	steute Technologies GmbH & Co KG
Type	TX NGF ULR2.4-safe; RX NGF ULR2.4-safe
Serial No. Setup No.	1473157 / SerNo: 00034 (0x22) 1.0
SW Version HW Version	V01.07 NI
Comment 1 2	Chain B
Tlow Tmid Thigh [°C]	-40 20 70
Vlow Vmid Vhigh [V] @Imax [A]	24.0 24.0 24.0 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi] (only considered if explicitly mentioned in testresult)	0
Additional Path Loss [dB]	0

IUT Common Settings 2G4	
Hopping supported	Yes
Burst length [ms]	10
Nominal Bandwidth [MHz]	1.5
User Interaction	No

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

Test References	
TC Start	06.08.2020 16:19:34
Ambit Temp [°C] Humidity [rel%]	25.8 38
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

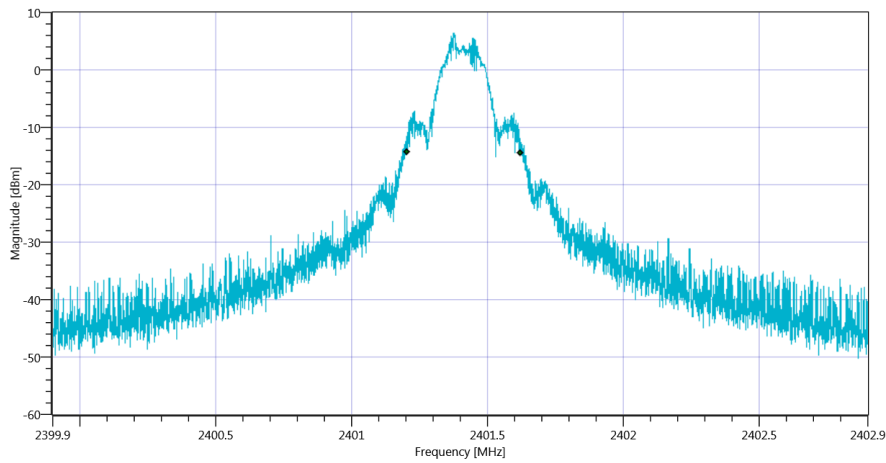
Test at TX 2401.4 MHz

READ SA SETTINGS:

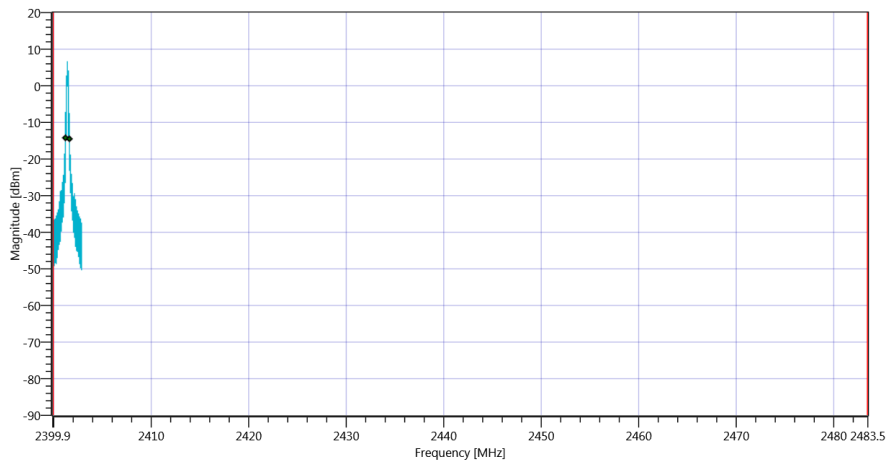
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.06 10.21 20
Start [MHz] Stop [MHz]	2399.900 2402.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	418	kHz	INFO
T1 99%	2400.000000	---	2401.2035	MHz	PASS
T2 99%	---	2483.500000	2401.6214	MHz	PASS



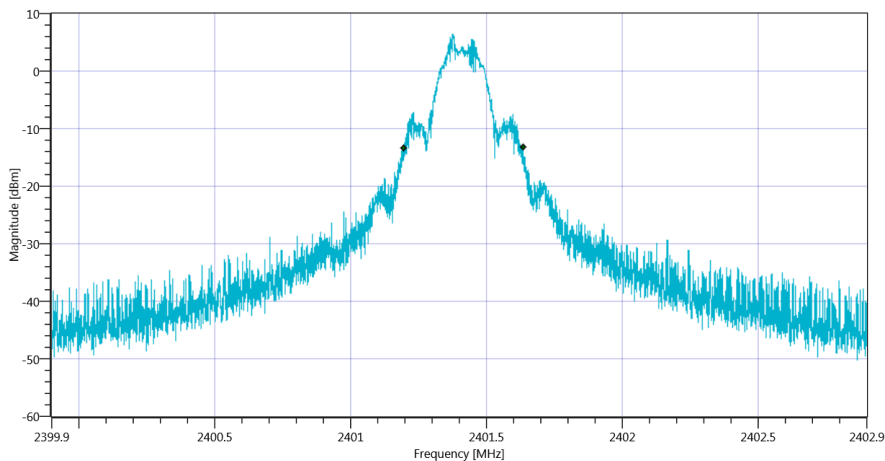
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_06082020_162003.png



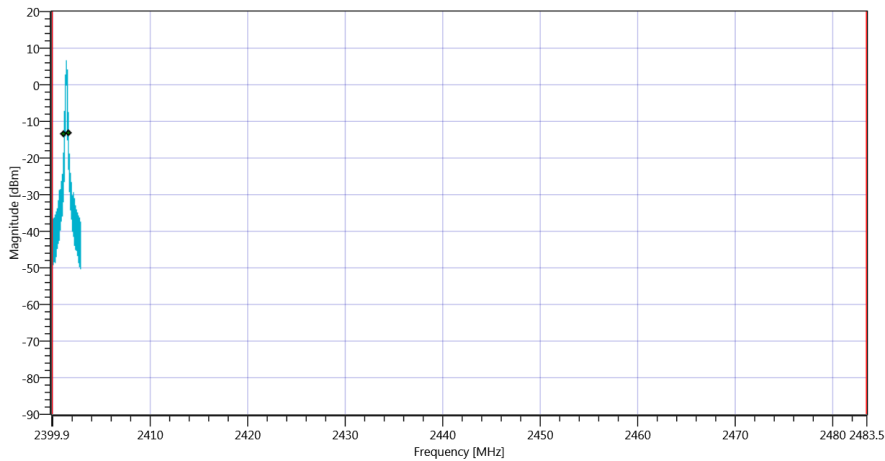
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_162007.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	439	kHz	INFO
T1 20dB	2400.000000	---	2401.1963	MHz	PASS
T2 20dB	---	2483.500000	2401.6358	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_06082020_162012.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_162017.png

TEST FINISHED		
General Verdict	06.08.2020 16:20:17 / RT: 42 s	PASS

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

Test References	
TC Start	06.08.2020 16:32:37
Ambit Temp [°C] Humidity [rel%]	25.8 38
System Version	1.0.0.49
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 FHSS - 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] 2402.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

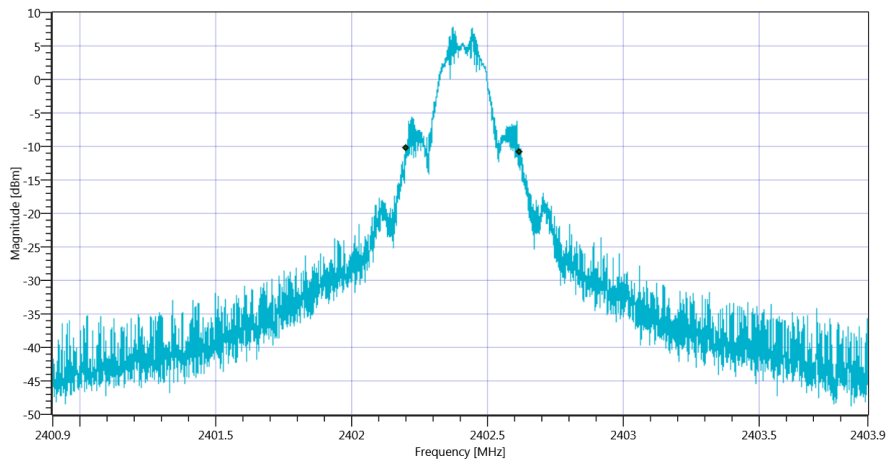
Test at TX 2402.4 MHz

READ SA SETTINGS:

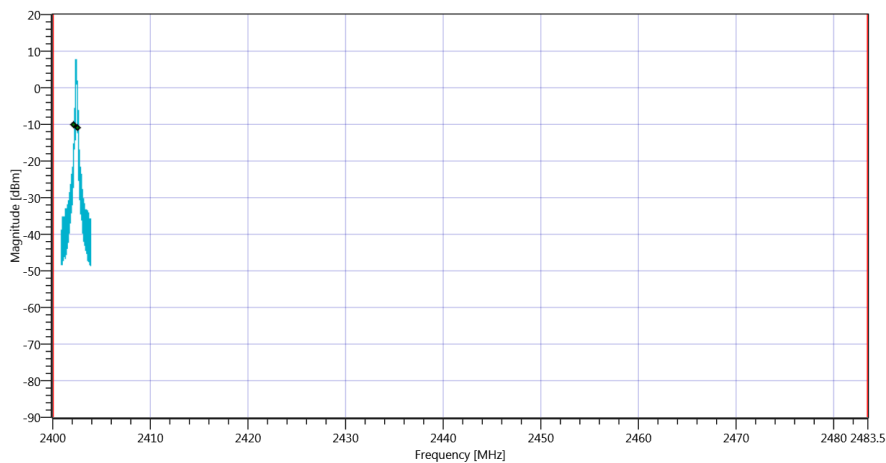
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.43 10.21 20
Start [MHz] Stop [MHz]	2400.900 2403.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	417	kHz	INFO
T1 99%	2400.000000	---	2402.2017	MHz	PASS
T2 99%	---	2483.500000	2402.6187	MHz	PASS



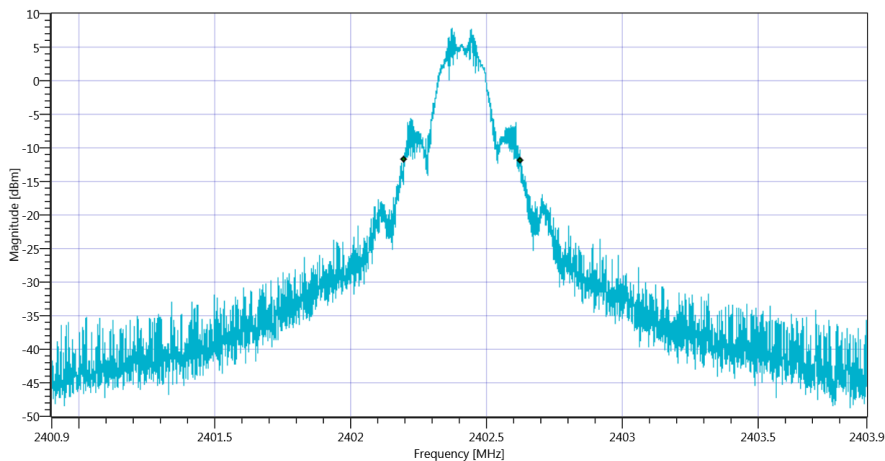
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_06082020_163306.png



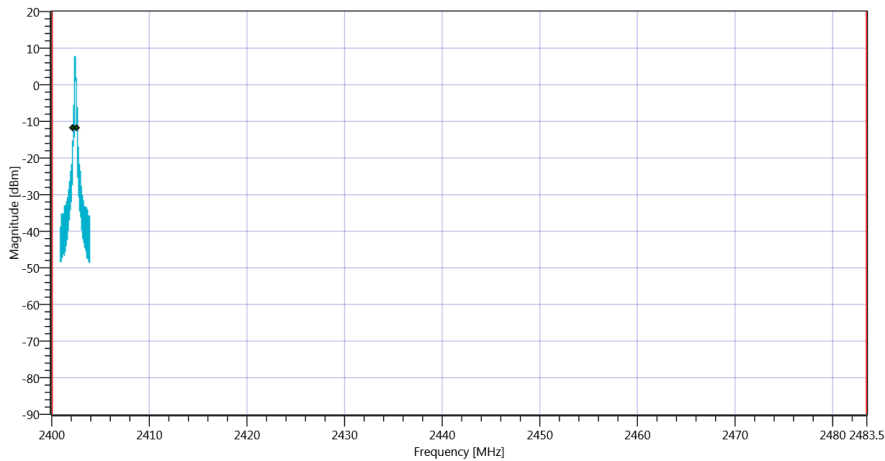
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_163310.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	431	kHz	INFO
T1 20dB	2400.000000	---	2402.1954	MHz	PASS
T2 20dB	---	2483.500000	2402.6262	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_06082020_163316.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_163320.png

TEST FINISHED		
General Verdict	06.08.2020 16:33:20 / RT: 42 s	PASS

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

Test References	
TC Start	06.08.2020 16:55:04
Ambit Temp [°C] Humidity [rel%]	26.2 44
System Version	1.0.0.49
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 FHSS - 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] 2404.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

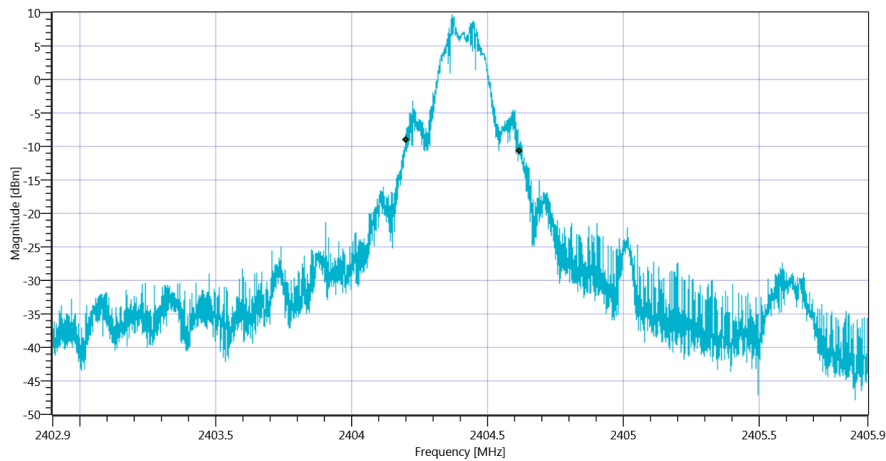
Test at TX 2404.4 MHz

READ SA SETTINGS:

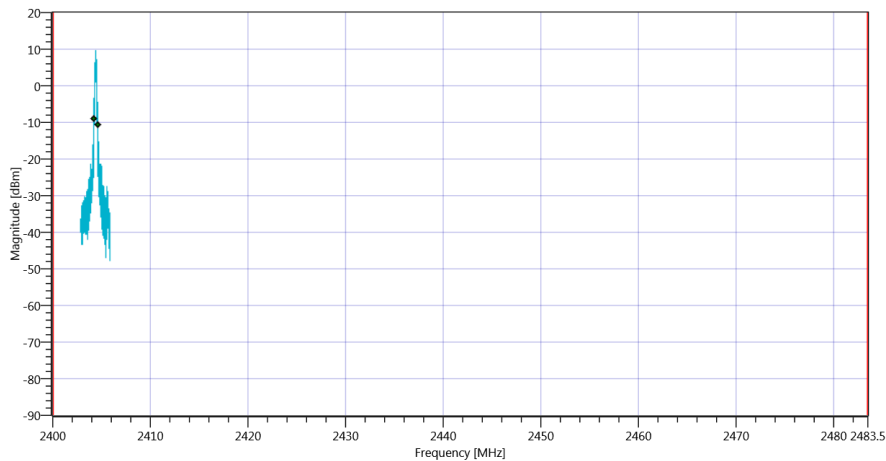
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.11 10.21 20
Start [MHz] Stop [MHz]	2402.900 2405.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	415	kHz	INFO
T1 99%	2400.000000	---	2404.2023	MHz	PASS
T2 99%	---	2483.500000	2404.6169	MHz	PASS



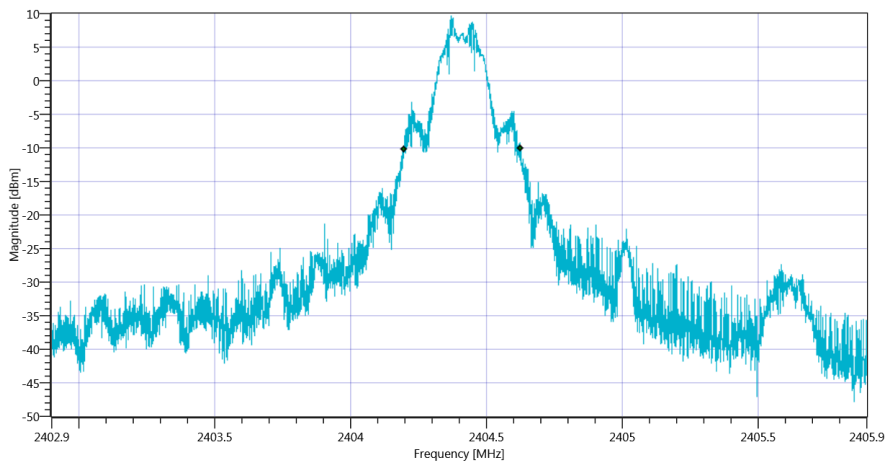
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_06082020_165533.png



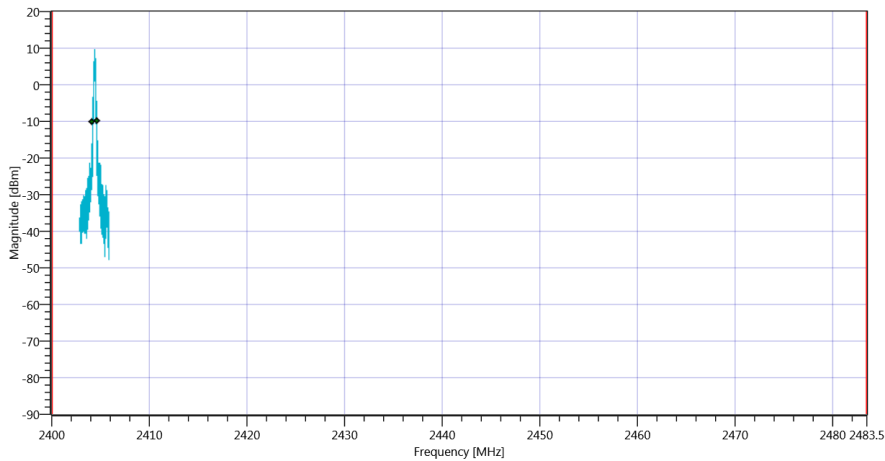
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_165537.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	432	kHz	INFO
T1 20dB	2400.000000	---	2404.1951	MHz	PASS
T2 20dB	---	2483.500000	2404.6268	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_06082020_165543.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_165547.png

TEST FINISHED		
General Verdict	06.08.2020 16:55:48 / RT: 43 s	PASS

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

Test References	
TC Start	06.08.2020 17:10:44
Ambit Temp [°C] Humidity [rel%]	26.2 39
System Version	1.0.0.49
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 FHSS - 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] 2419.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

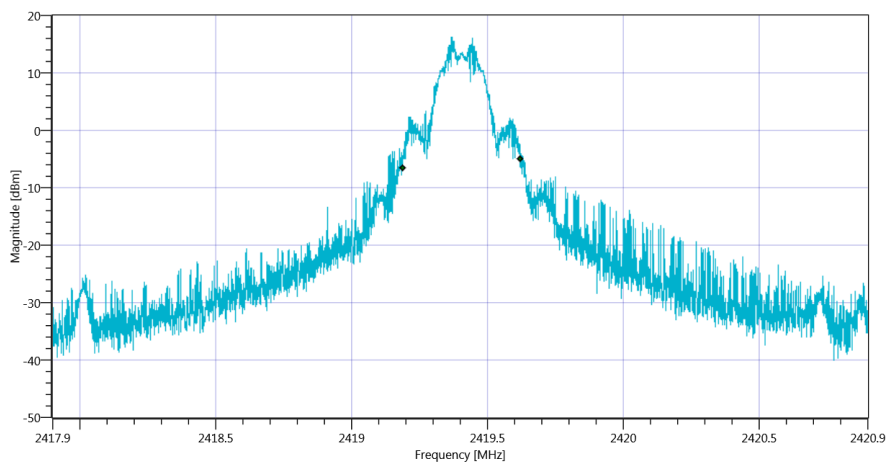
Test at TX 2419.4 MHz

READ SA SETTINGS:

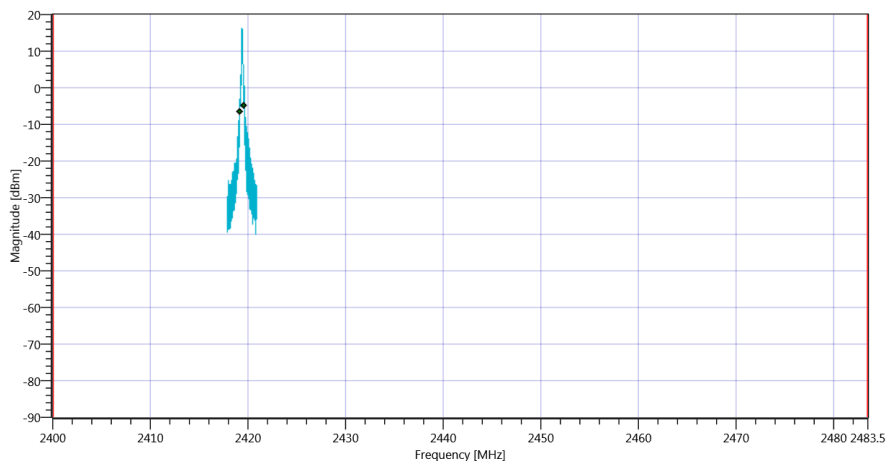
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.58 10.24 30
Start [MHz] Stop [MHz]	2417.900 2420.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	432	kHz	INFO
T1 99%	2400.000000	---	2419.1879	MHz	PASS
T2 99%	---	2483.500000	2419.6202	MHz	PASS



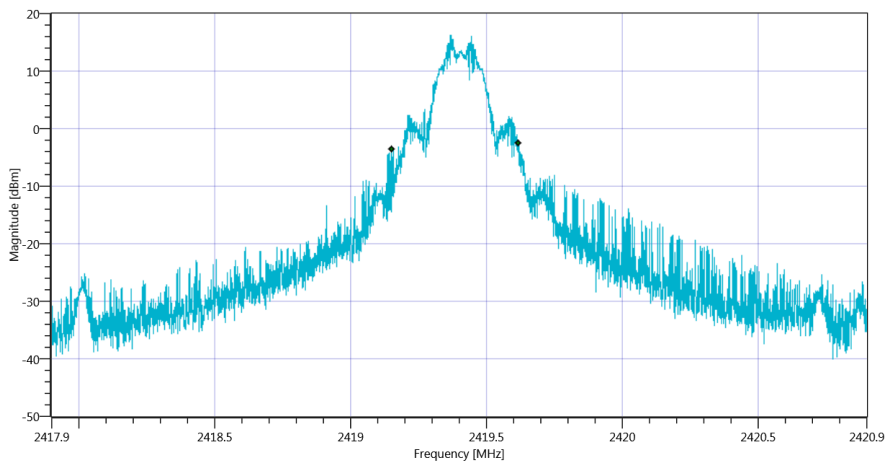
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_06082020_171113.png



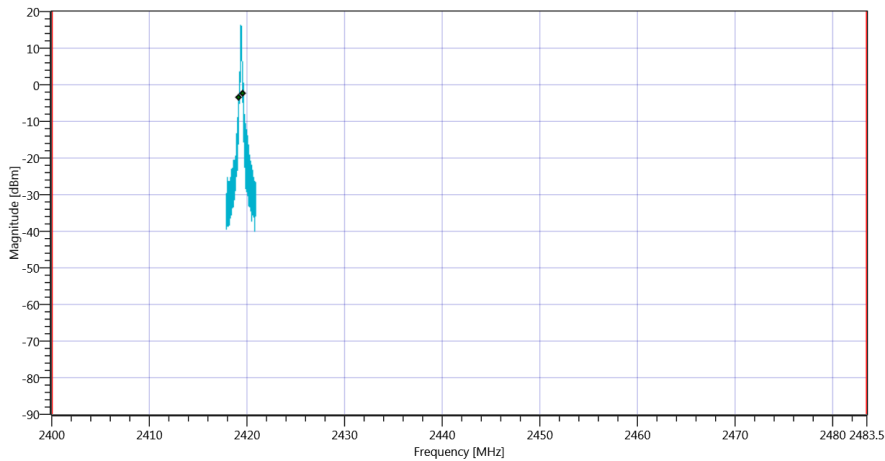
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_171117.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	466	kHz	INFO
T1 20dB	2400.000000	---	2419.1516	MHz	PASS
T2 20dB	---	2483.500000	2419.6181	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_06082020_171123.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_171127.png

TEST FINISHED		
General Verdict	06.08.2020 17:11:28 / RT: 43 s	PASS

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

Test References	
TC Start	06.08.2020 17:24:10
Ambit Temp [°C] Humidity [rel%]	26.1 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	True Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

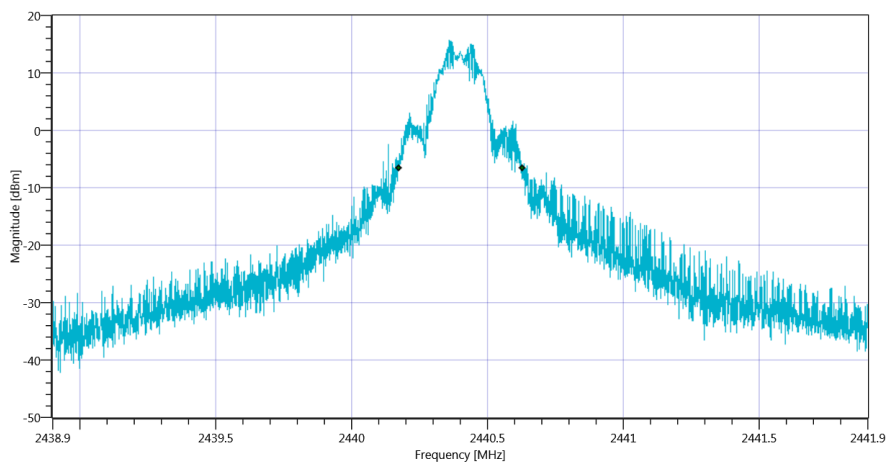
Test at TX 2440.4 MHz

READ SA SETTINGS:

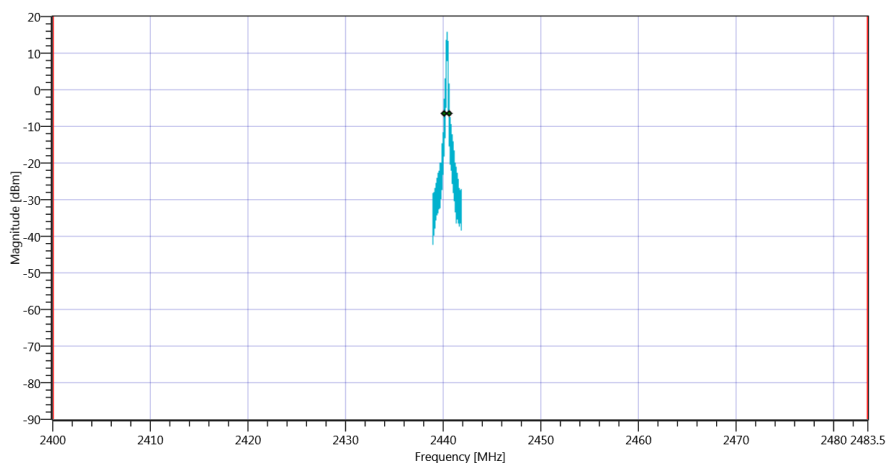
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.45 10.29 30
Start [MHz] Stop [MHz]	2438.900 2441.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	453	kHz	INFO
T1 99%	2400.000000	---	2440.1747	MHz	PASS
T2 99%	---	2483.500000	2440.6274	MHz	PASS



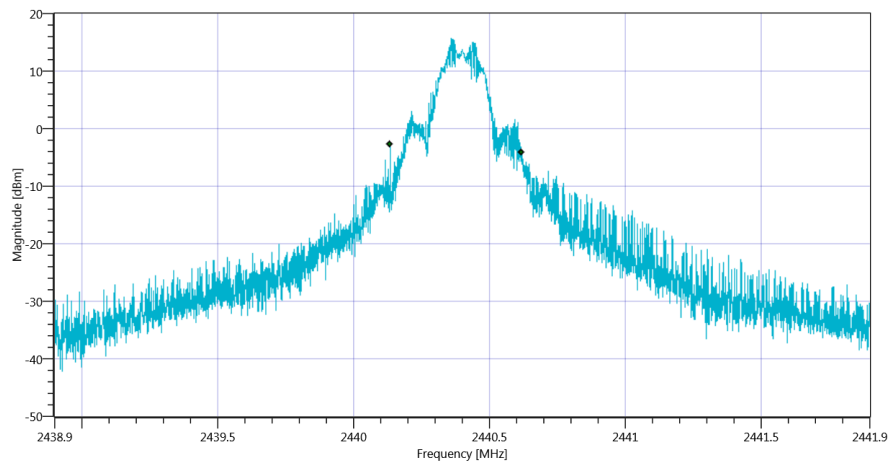
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_06082020_172440.png



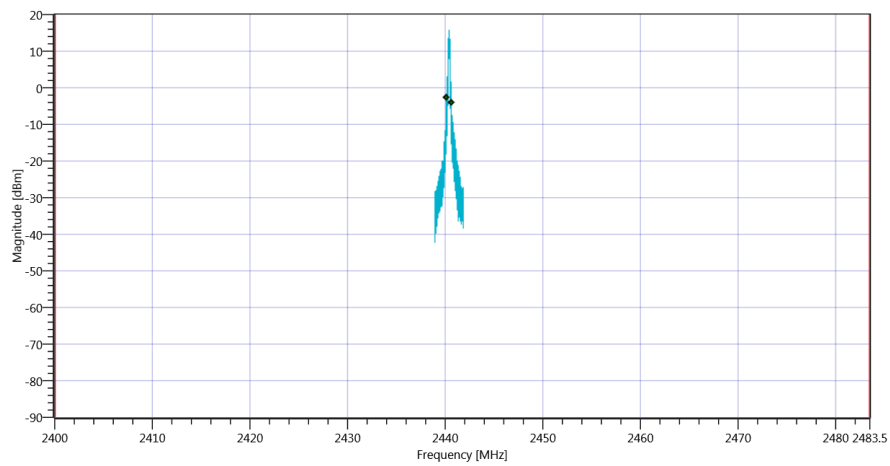
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_172444.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	485	kHz	INFO
T1 20dB	2400.000000	---	2440.1342	MHz	PASS
T2 20dB	---	2483.500000	2440.6190	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_06082020_172450.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_06082020_172454.png

TEST FINISHED

General Verdict

06.08.2020 17:24:54 / RT: 43 s

PASS

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

Test References	
TC Start	07.08.2020 07:56:41
Ambit Temp [°C] Humidity [rel%]	27.1 42
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2474.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

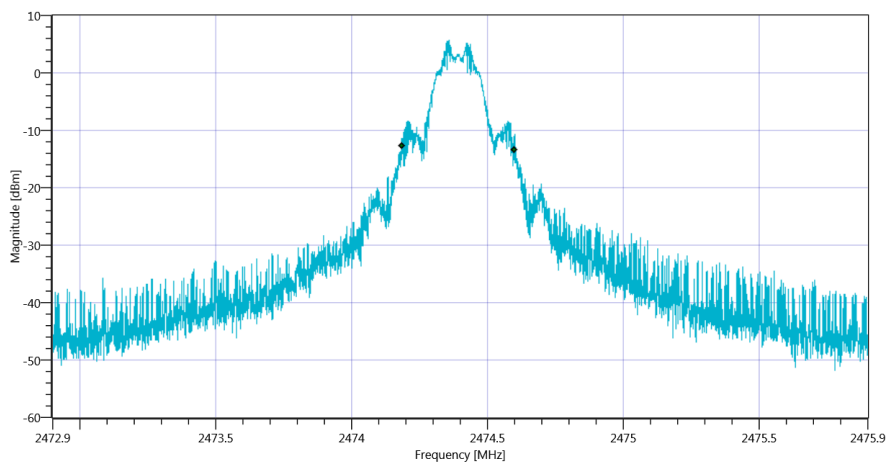
Test at TX 2474.4 MHz

READ SA SETTINGS:

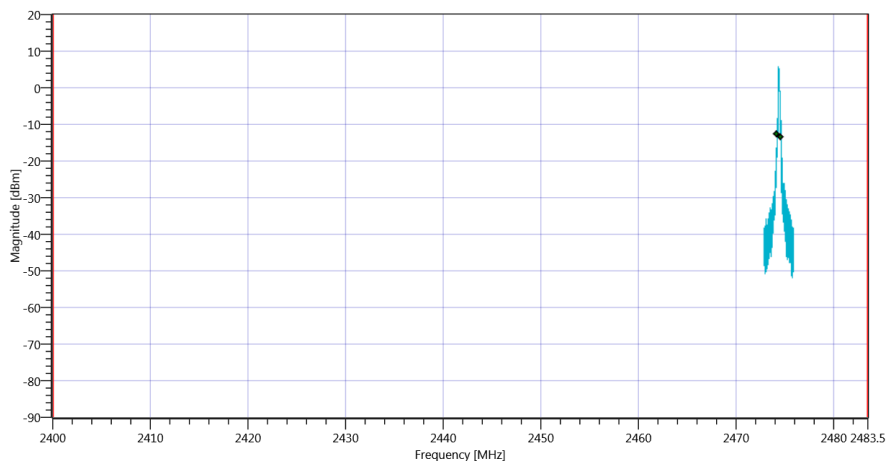
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.20 10.35 20
Start [MHz] Stop [MHz]	2472.900 2475.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	411	kHz	INFO
T1 99%	2400.000000	---	2474.1873	MHz	PASS
T2 99%	---	2483.500000	2474.5980	MHz	PASS



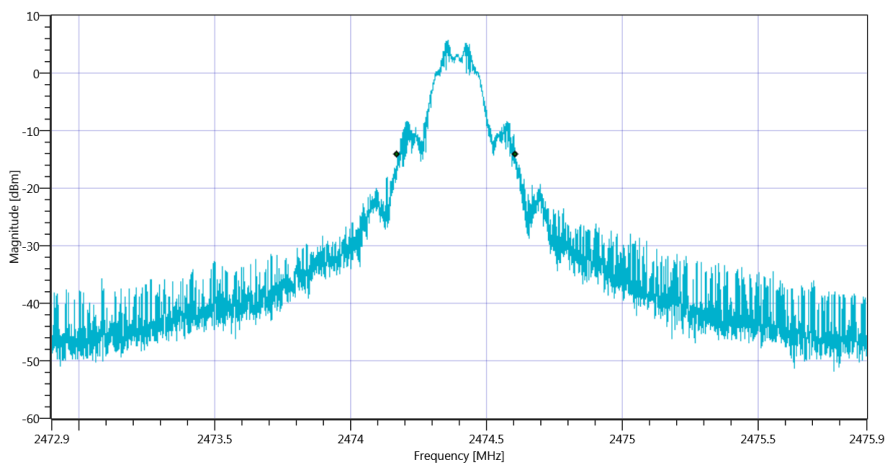
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_07082020_075711.png



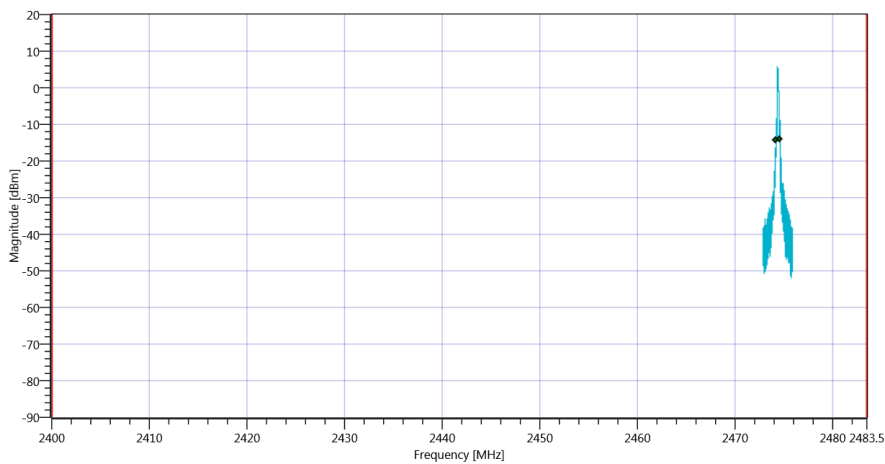
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_075715.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	434	kHz	INFO
T1 20dB	2400.000000	---	2474.1726	MHz	PASS
T2 20dB	---	2483.500000	2474.6061	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_07082020_075720.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_075724.png

TEST FINISHED		
General Verdict	07.08.2020 07:57:25 / RT: 43 s	PASS

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

Test References	
TC Start	07.08.2020 08:26:56
Ambit Temp [°C] Humidity [rel%]	28.7 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2477.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

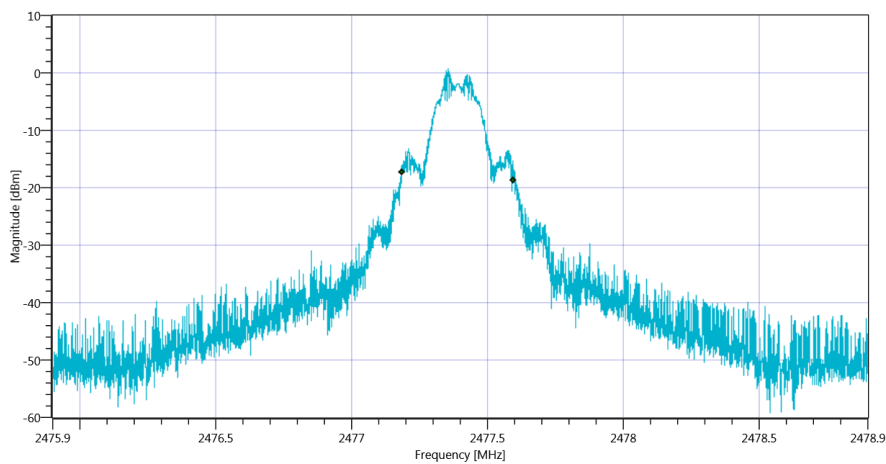
Test at TX 2477.4 MHz

READ SA SETTINGS:

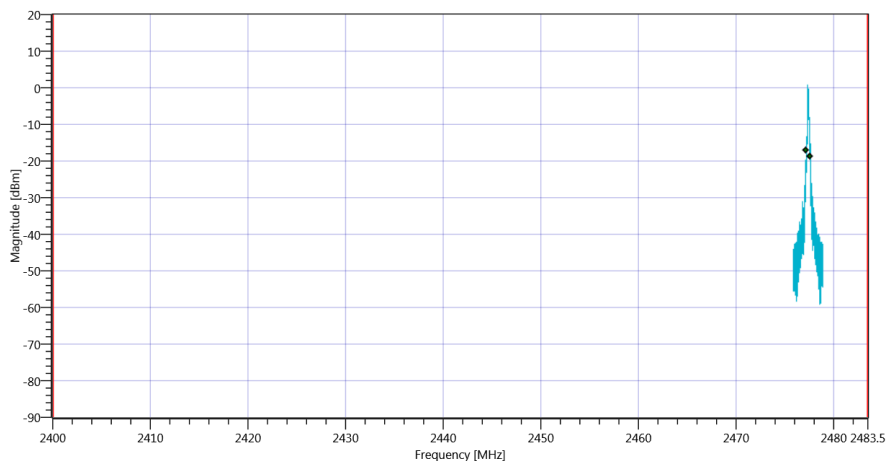
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.20 10.35 15
Start [MHz] Stop [MHz]	2475.900 2478.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	410	kHz	INFO
T1 99%	2400.000000	---	2477.1852	MHz	PASS
T2 99%	---	2483.500000	2477.5953	MHz	PASS



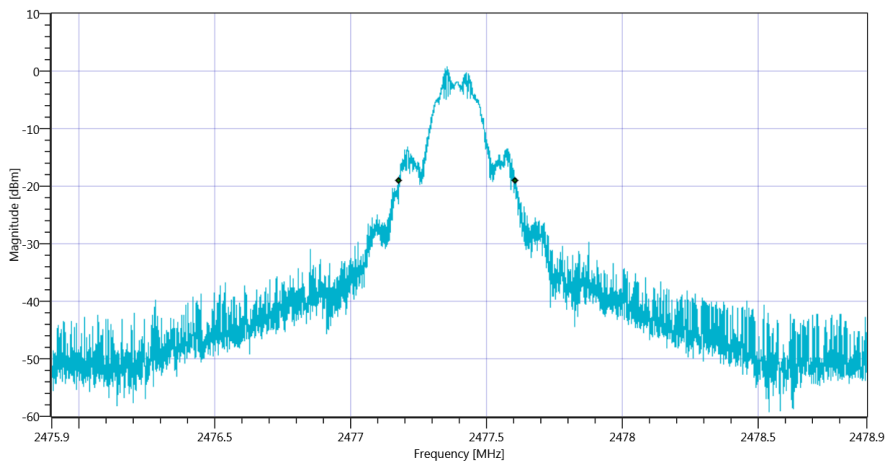
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_07082020_082725.png



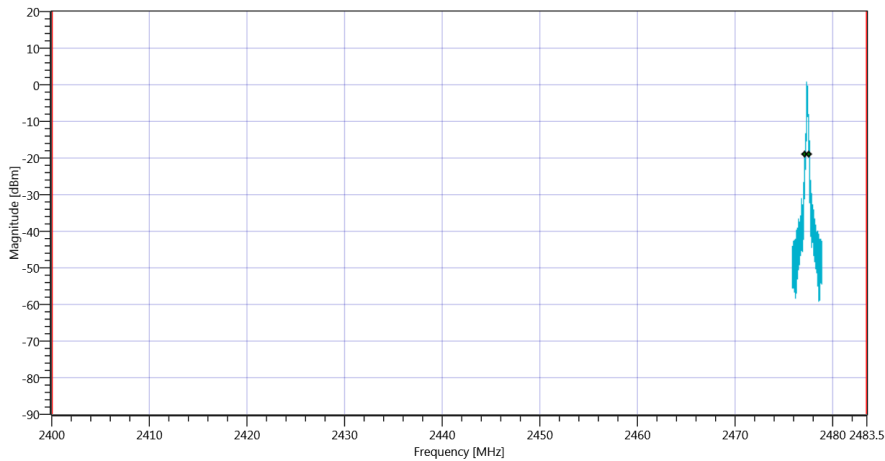
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_082729.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	430	kHz	INFO
T1 20dB	2400.000000	---	2477.1771	MHz	PASS
T2 20dB	---	2483.500000	2477.6067	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_07082020_082734.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_082739.png

TEST FINISHED		
General Verdict	07.08.2020 08:27:39 / RT: 43 s	PASS

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

Test References	
TC Start	07.08.2020 08:46:52
Ambit Temp [°C] Humidity [rel%]	28.8 40
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2478.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

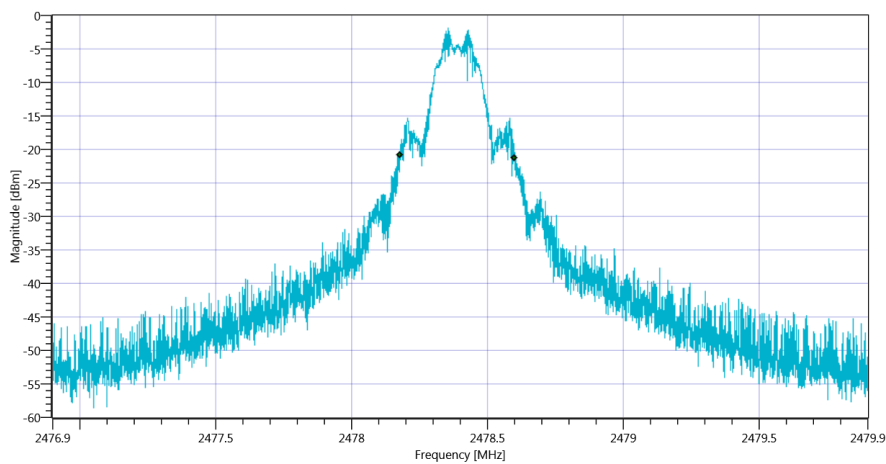
Test at TX 2478.4 MHz

READ SA SETTINGS:

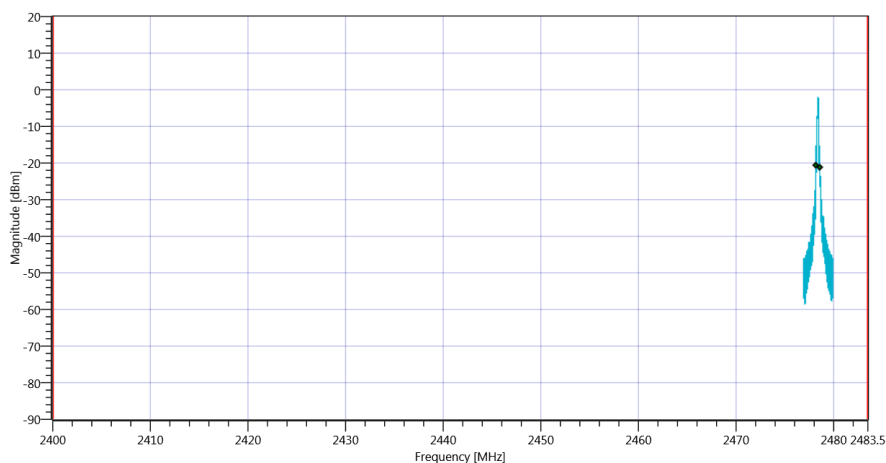
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.69 10.35 10
Start [MHz] Stop [MHz]	2476.900 2479.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	422	kHz	INFO
T1 99%	2400.000000	---	2478.1789	MHz	PASS
T2 99%	---	2483.500000	2478.6010	MHz	PASS



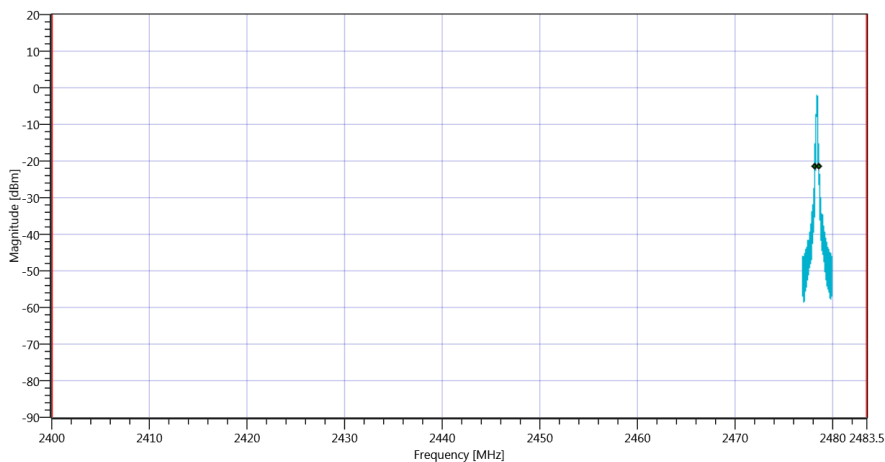
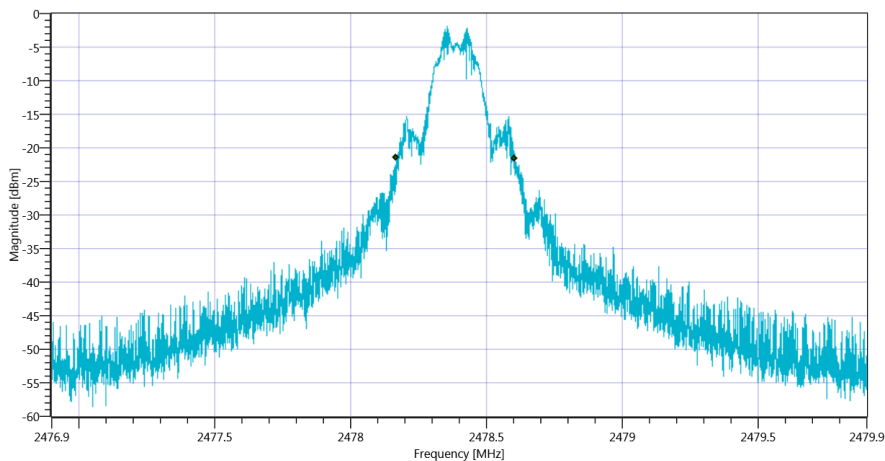
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_07082020_084721.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_084725.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	436	kHz	INFO
T1 20dB	2400.000000	---	2478.1684	MHz	PASS
T2 20dB	---	2483.500000	2478.6049	MHz	PASS



TEST FINISHED		
General Verdict	07.08.2020 08:47:36 / RT: 43 s	PASS

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

Test References	
TC Start	07.08.2020 09:06:51
Ambit Temp [°C] Humidity [rel%]	29.0 40
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2479.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

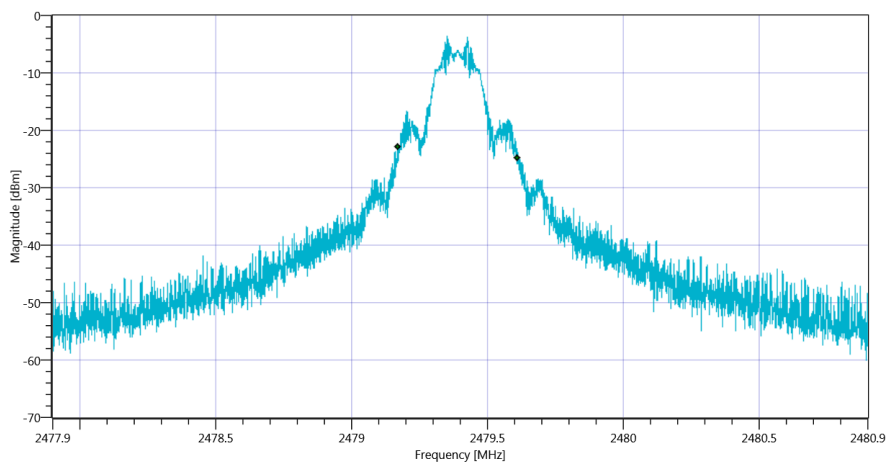
Test at TX 2479.4 MHz

READ SA SETTINGS:

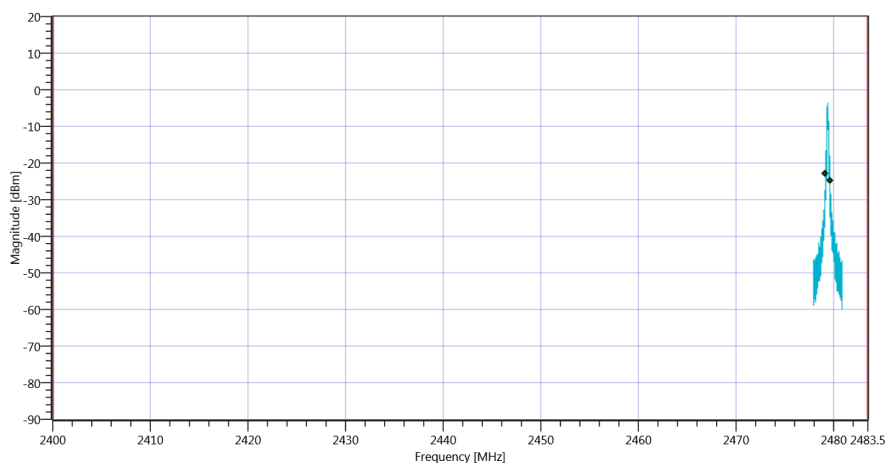
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.71 10.35 10
Start [MHz] Stop [MHz]	2477.900 2480.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	442	kHz	INFO
T1 99%	2400.000000	---	2479.1699	MHz	PASS
T2 99%	---	2483.500000	2479.6118	MHz	PASS



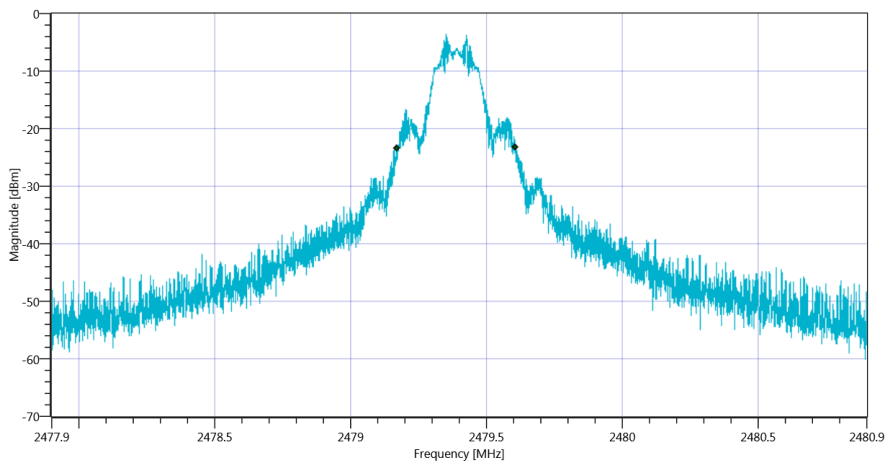
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_07082020_090720.png



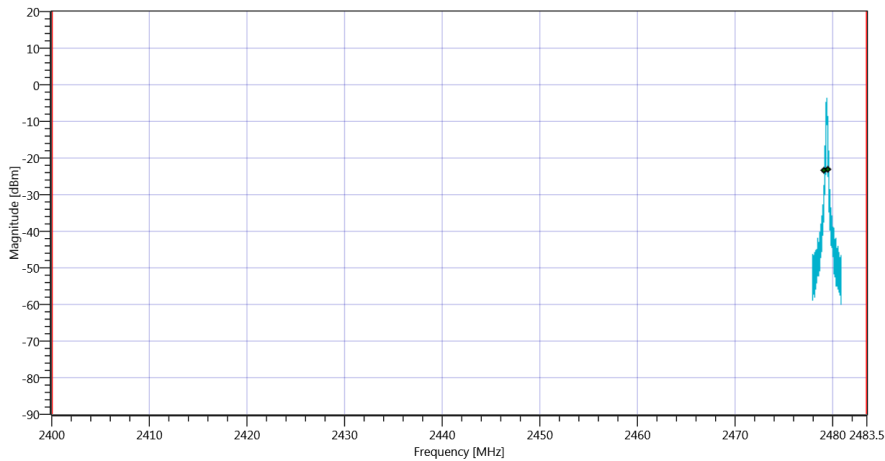
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_090724.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	438	kHz	INFO
T1 20dB	2400.000000	---	2479.1693	MHz	PASS
T2 20dB	---	2483.500000	2479.6073	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_07082020_090730.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_090734.png

TEST FINISHED		
General Verdict	07.08.2020 09:07:35 / RT: 43 s	PASS

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

Test References	
TC Start	07.08.2020 09:20:14
Ambit Temp [°C] Humidity [rel%]	29.3 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

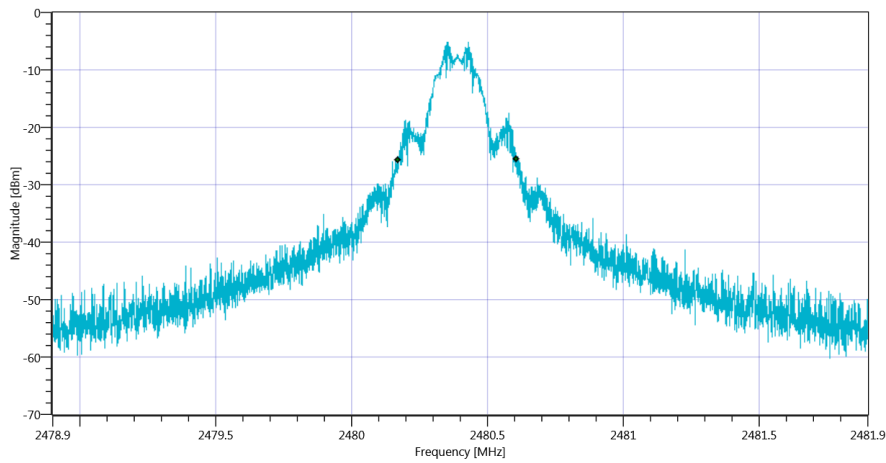
Test at TX 2480.4 MHz

READ SA SETTINGS:

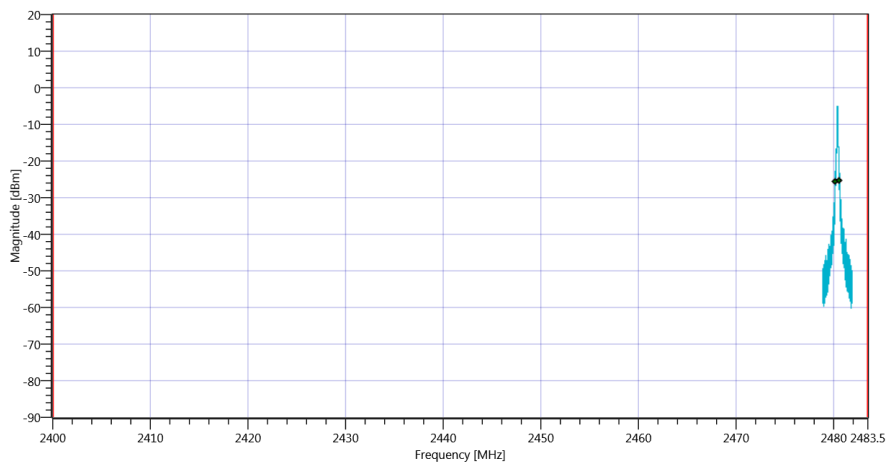
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.25 10.36 5
Start [MHz] Stop [MHz]	2478.900 2481.900
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	437	kHz	INFO
T1 99%	2400.000000	---	2480.1708	MHz	PASS
T2 99%	---	2483.500000	2480.6076	MHz	PASS



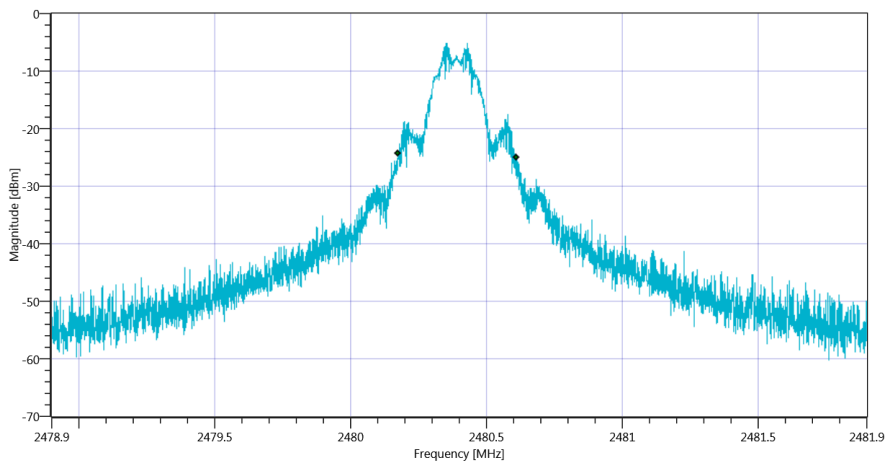
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_07082020_092043.png



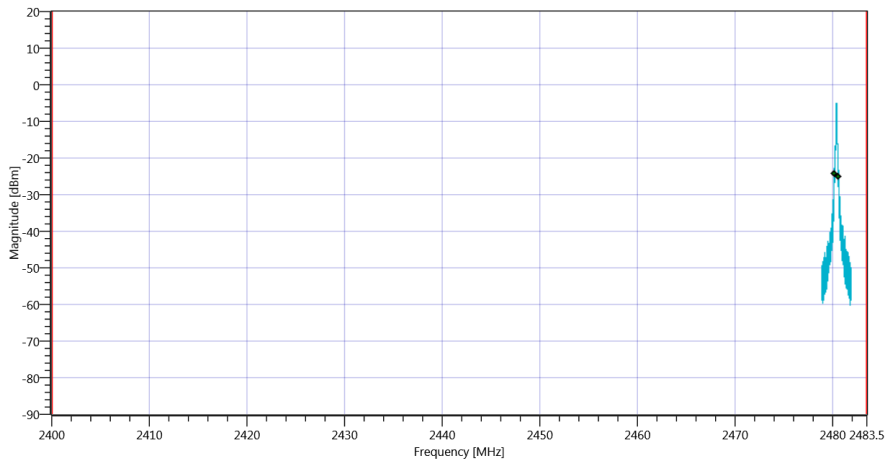
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_092048.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	436	kHz	INFO
T1 20dB	2400.000000	---	2480.1747	MHz	PASS
T2 20dB	---	2483.500000	2480.6112	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_07082020_092053.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_07082020_092057.png

TEST FINISHED		
General Verdict	07.08.2020 09:20:58 / RT: 43 s	PASS

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

Test References	
TC Start	07.08.2020 11:56:05
Ambit Temp [°C] Humidity [rel%]	26.9 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

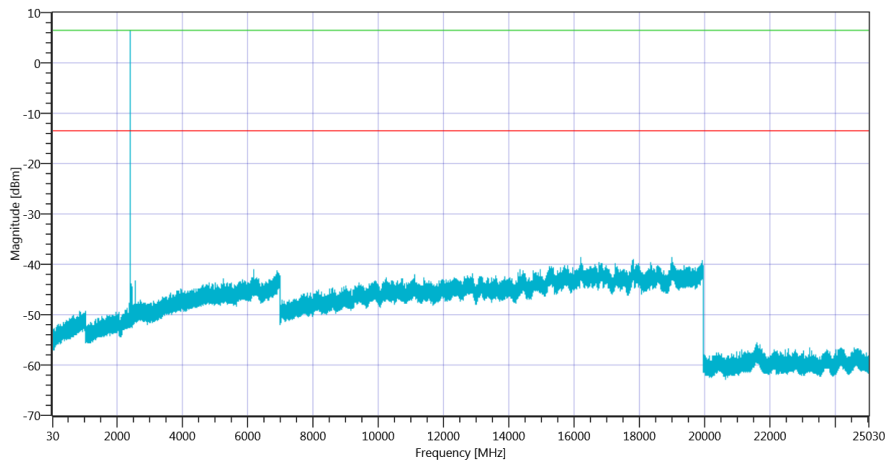
Test at TX 2401.4 MHz

READ SA SETTINGS:

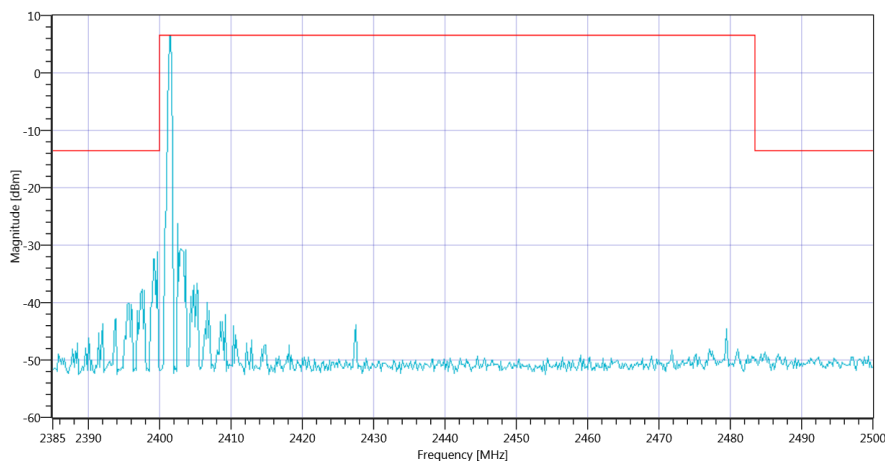
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.92 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2500 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2401.50 MHz	---	---	6.50	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.667 MHz	0	---	17.66	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2401.4_07082020_121912.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2401.4_07082020_121915.png

TEST FINISHED

General Verdict 07.08.2020 12:19:16 / RT: 1390 s

PASS

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

Test References	
TC Start	07.08.2020 12:42:20
Ambit Temp [°C] Humidity [rel%]	26.7 38
System Version	1.0.0.49
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 FHSS - 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] 2402.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

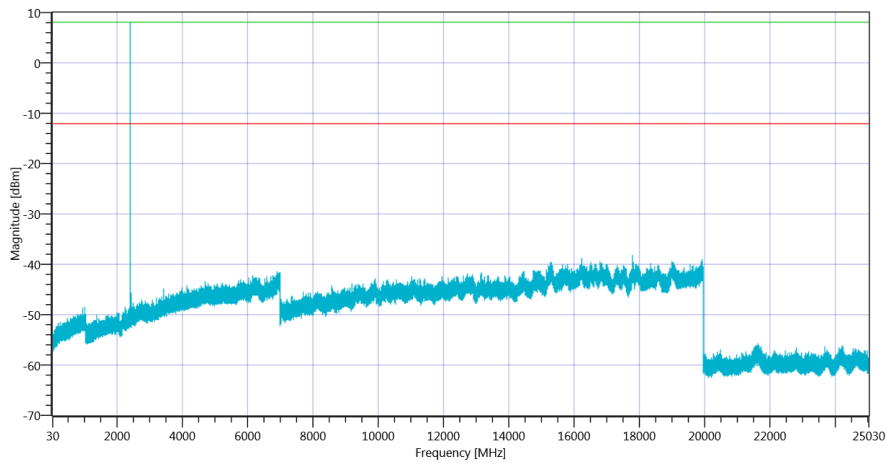
Test at TX 2402.4 MHz

READ SA SETTINGS:

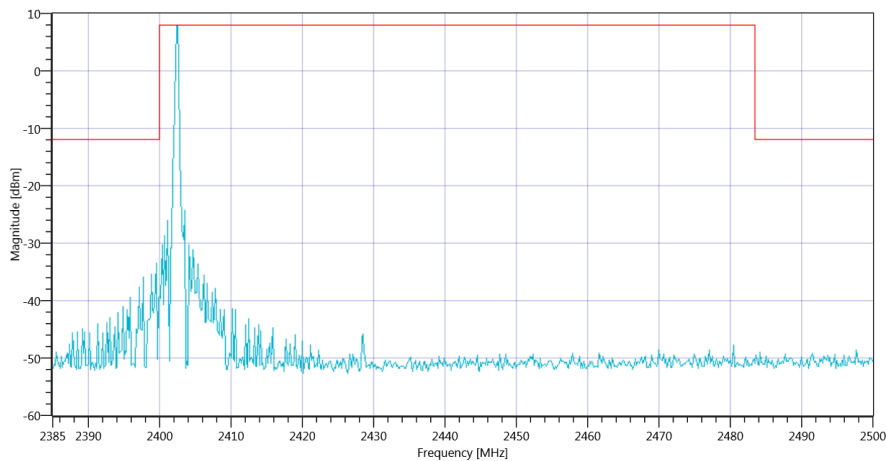
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.51 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2500 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.50 MHz	---	---	8.01	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.5 MHz	0	---	21.54	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2402.4_07082020_130526.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2402.4_07082020_130529.png

TEST FINISHED

General Verdict 07.08.2020 13:05:31 / RT: 1390 s

PASS

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

Test References	
TC Start	07.08.2020 13:06:35
Ambit Temp [°C] Humidity [rel%]	26.9 39
System Version	1.0.0.49
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 FHSS - 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] 2404.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

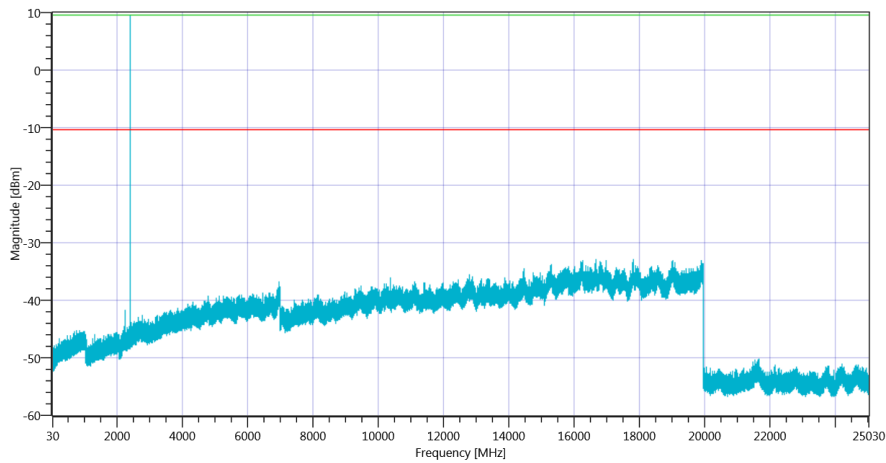
Test at TX 2404.4 MHz

READ SA SETTINGS:

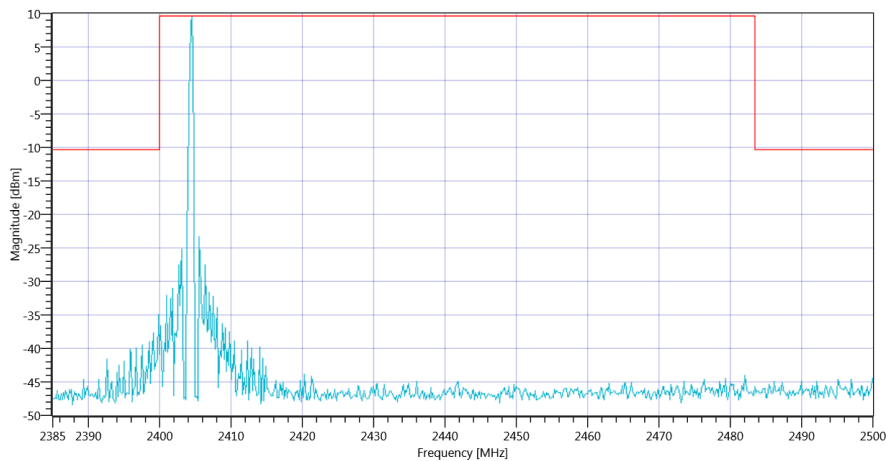
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.01 0 30
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2500 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2404.50 MHz	---	---	9.61	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 16665.167 MHz	0	---	22.49	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2404.4_07082020_132942.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2404.4_07082020_132945.png

TEST FINISHED

General Verdict 07.08.2020 13:29:46 / RT: 1390 s

PASS

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

Test References	
TC Start	07.08.2020 13:36:53
Ambit Temp [°C] Humidity [rel%]	26.6 38
System Version	1.0.0.49
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 FHSS - 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] 2419.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

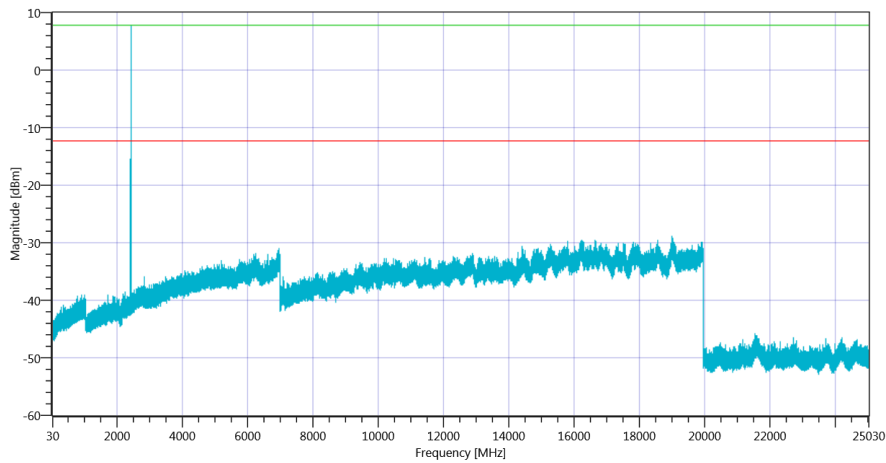
Test at TX 2419.4 MHz

READ SA SETTINGS:

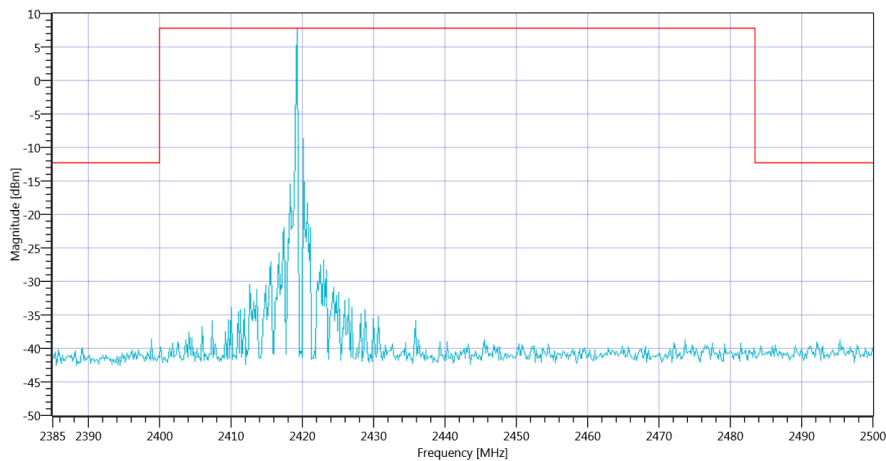
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.46 0 35
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2500 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2419.33 MHz	---	---	7.75	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 18992.833 MHz	0	---	16.62	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2419.4_07082020_140000.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2419.4_07082020_140002.png

TEST FINISHED

General Verdict 07.08.2020 14:00:04 / RT: 1390 s

PASS

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

Test References	
TC Start	07.08.2020 14:07:24
Ambit Temp [°C] Humidity [rel%]	26.6 37
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2477.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

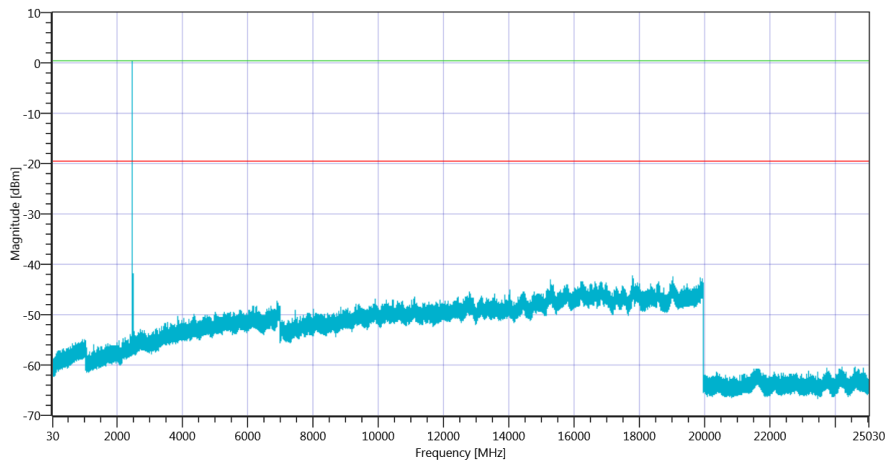
Test at TX 2477.4 MHz

READ SA SETTINGS:

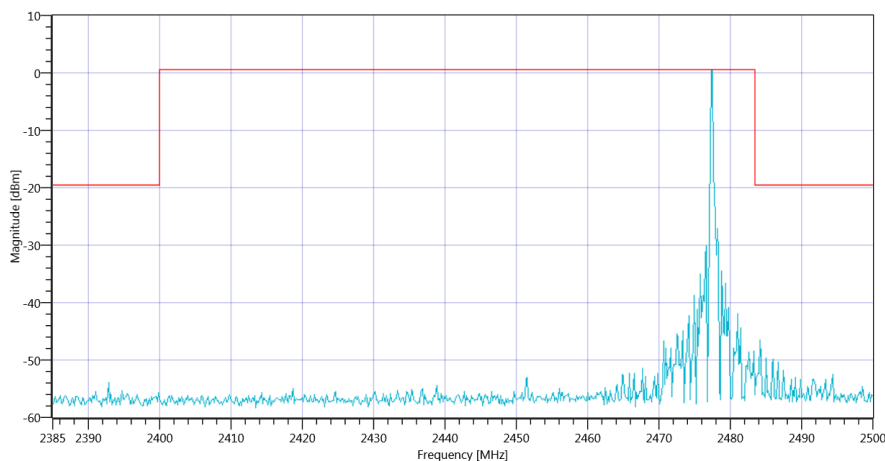
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.78 0 20
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2500 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2477.50 MHz	---	---	0.52	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17802.333 MHz	0	---	22.74	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2477.4_07082020_143031.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2477.4_07082020_143033.png

TEST FINISHED

General Verdict 07.08.2020 14:30:35 / RT: 1391 s

PASS

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

Test References	
TC Start	06.08.2020 17:13:57
Ambit Temp [°C] Humidity [rel%]	26.2 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	True Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

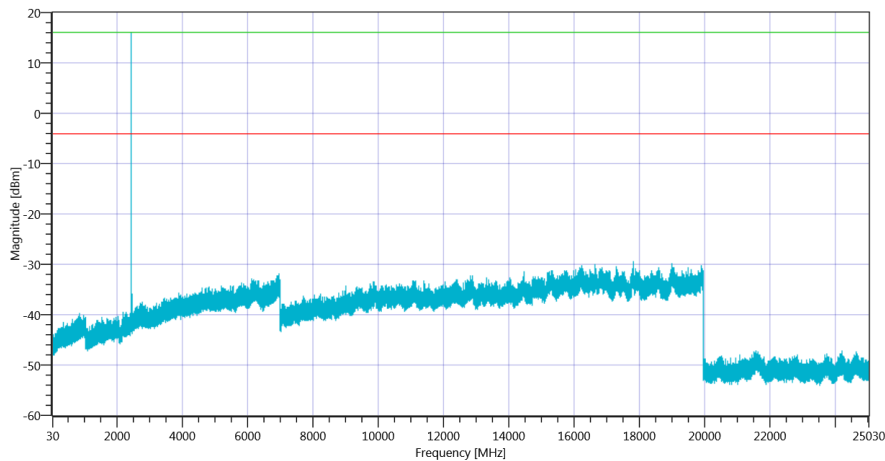
Test at TX 2440.4 MHz

READ SA SETTINGS:

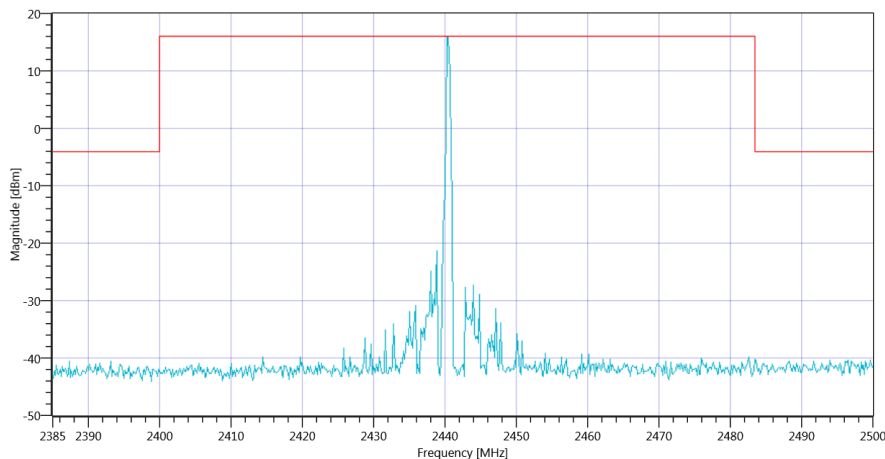
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.49 0 35
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.50 MHz	---	---	16.01	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17806 MHz	0	---	25.42	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440.4_06082020_172402.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440.4_06082020_172405.png

TEST FINISHED

General Verdict 06.08.2020 17:24:06 / RT: 609 s

PASS

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

Test References	
TC Start	07.08.2020 07:46:27
Ambit Temp [°C] Humidity [rel%]	26.2 44
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2474.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

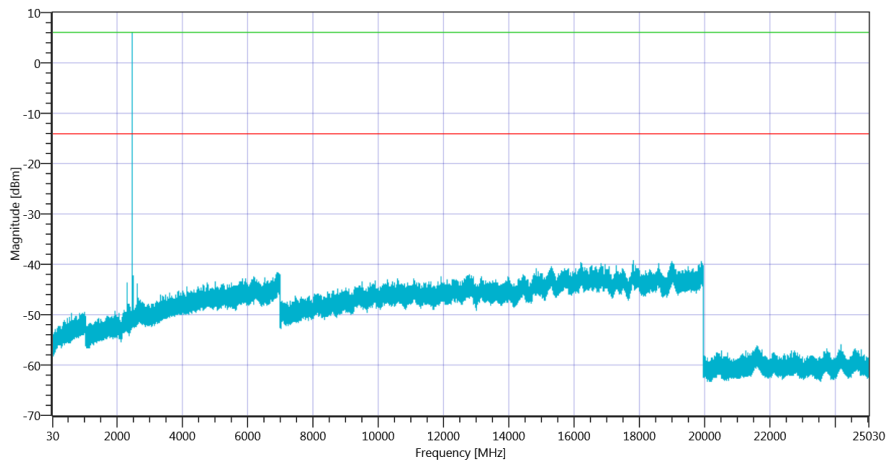
Test at TX 2474.4 MHz

READ SA SETTINGS:

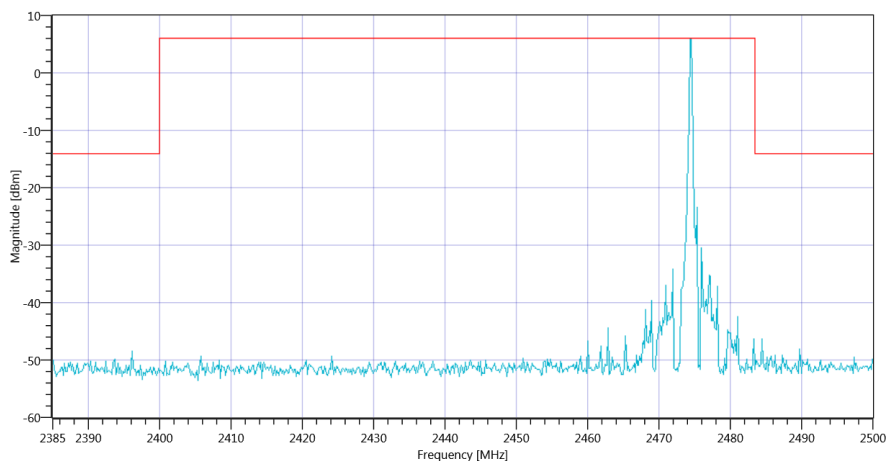
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.50 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2474.50 MHz	---	---	6.02	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17809.333 MHz	0	---	25.31	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2474.4_07082020_075632.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2474.4_07082020_075635.png

TEST FINISHED

General Verdict 07.08.2020 07:56:37 / RT: 609 s

PASS

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

Test References	
TC Start	07.08.2020 08:36:39
Ambit Temp [°C] Humidity [rel%]	29.0 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2478.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

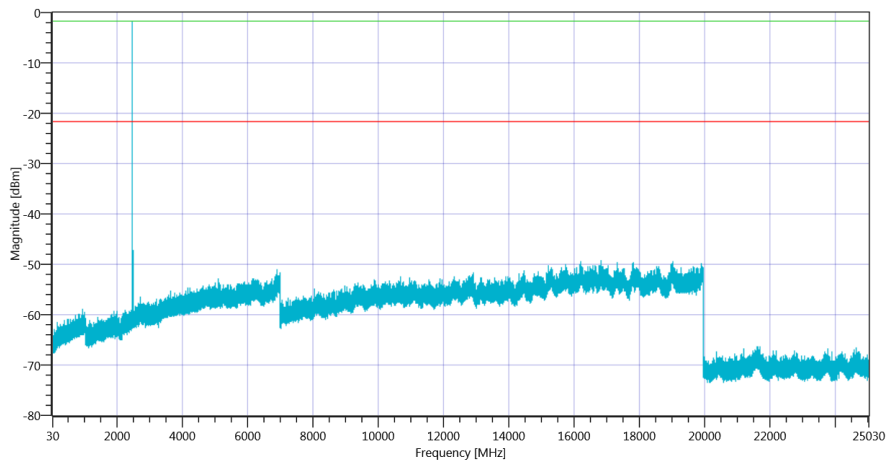
Test at TX 2478.4 MHz

READ SA SETTINGS:

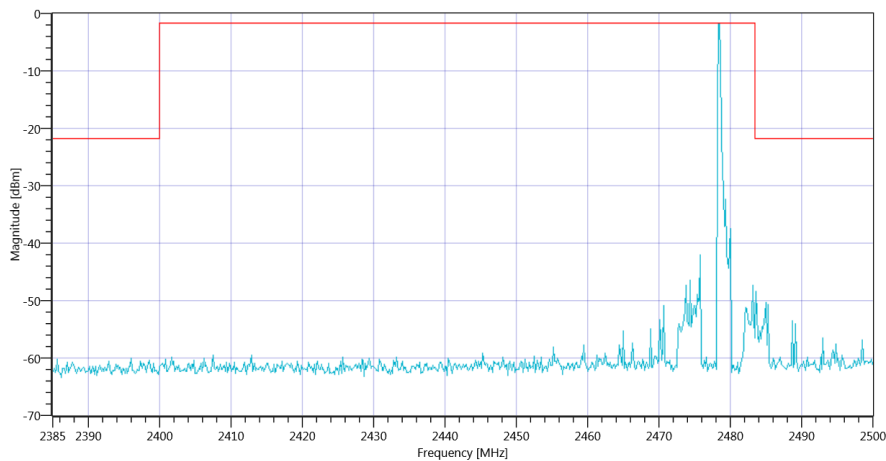
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-0.98 0 15
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2478.33 MHz	---	---	-1.71	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.667 MHz	0	---	26.65	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2478.4_07082020_084643.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2478.4_07082020_084646.png

TEST FINISHED

General Verdict 07.08.2020 08:46:48 / RT: 609 s

PASS

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

Test References	
TC Start	07.08.2020 08:56:38
Ambit Temp [°C] Humidity [rel%]	28.9 40
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2479.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

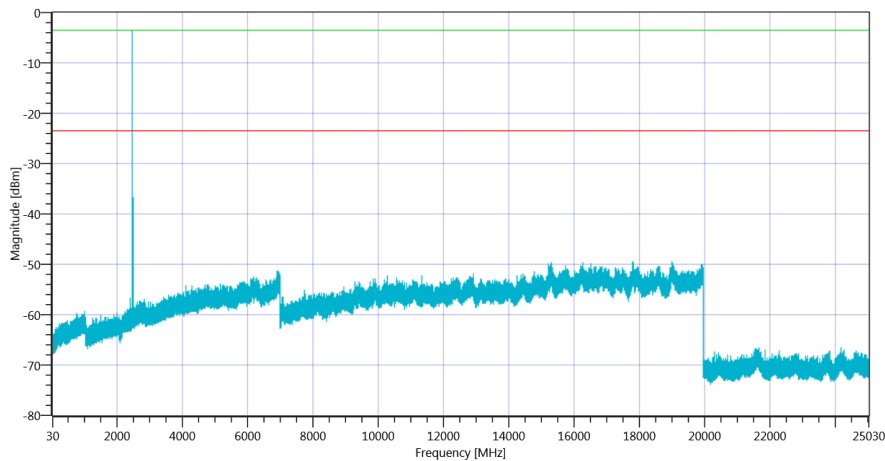
Test at TX 2479.4 MHz

READ SA SETTINGS:

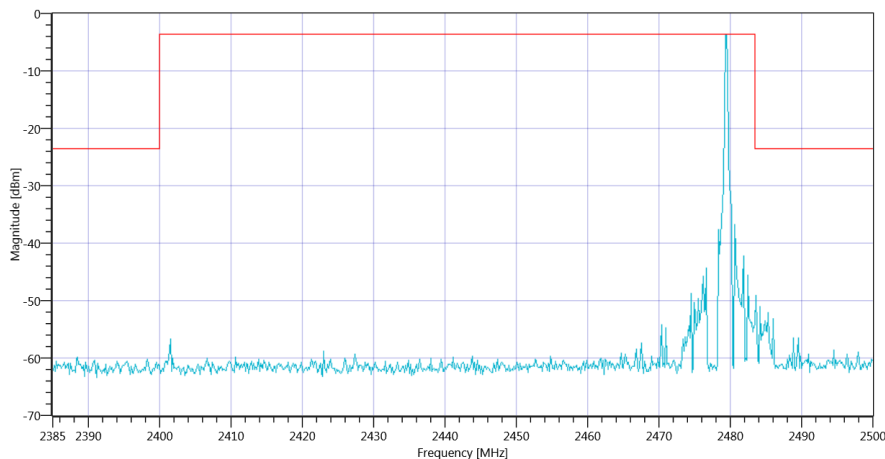
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-3.09 0 15
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2479.50 MHz	---	---	-3.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.667 MHz	0	---	25.46	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2479.4_07082020_090642.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2479.4_07082020_090645.png

TEST FINISHED

General Verdict 07.08.2020 09:06:47 / RT: 609 s

PASS

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

Test References	
TC Start	07.08.2020 09:10:01
Ambit Temp [°C] Humidity [rel%]	29.1 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

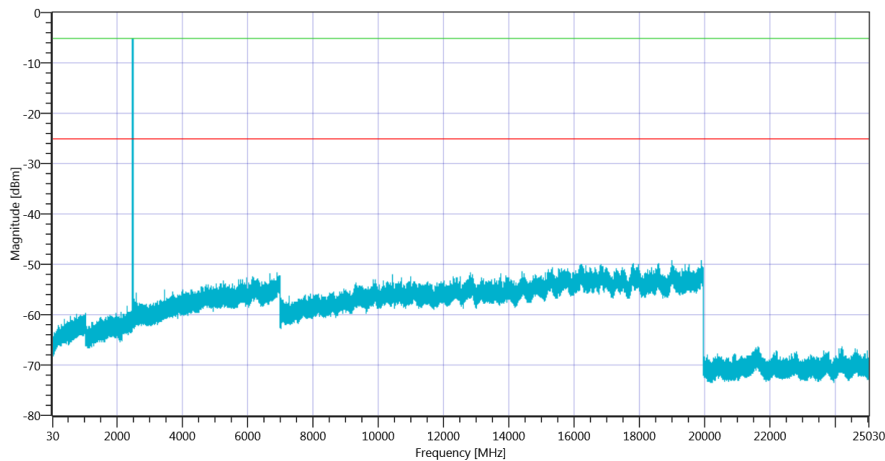
Test at TX 2480.4 MHz

READ SA SETTINGS:

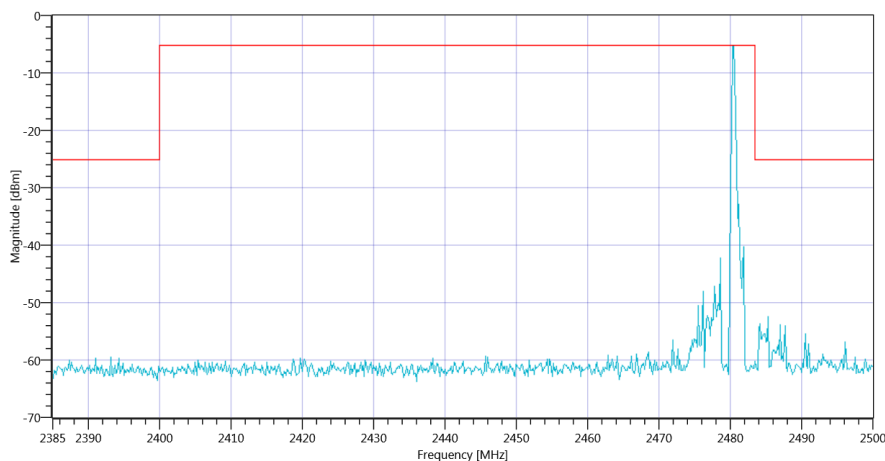
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-4.57 0 15
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.50 MHz	---	---	-5.15	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 18999.667 MHz	0	---	24.07	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480.4_07082020_092005.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2480.4_07082020_092008.png

TEST FINISHED

General Verdict 07.08.2020 09:20:10 / RT: 609 s

PASS

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

Test References	
TC Start	07.08.2020 14:01:47
Ambit Temp [°C] Humidity [rel%]	26.5 38
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	True Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

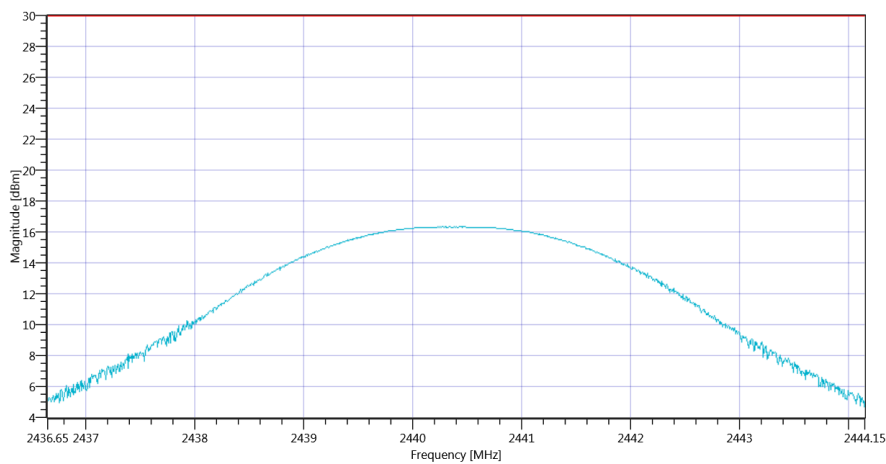
Test at TX 2440.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	26.28 10.29 35
Start [MHz] Stop [MHz]	2436.650 2444.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	5000 15 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	16.33	dBm	PASS
Peak Power	---	1000	42.953643	mW	PASS
Frequency at Peak	---	---	2440.438	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_140323.png

TEST FINISHED

General Verdict	07.08.2020 14:03:23 / RT: 95 s	PASS
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22. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	07.08.2020 14:06:10
Ambit Temp [°C] Humidity [rel%]	26.6 37
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2477.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

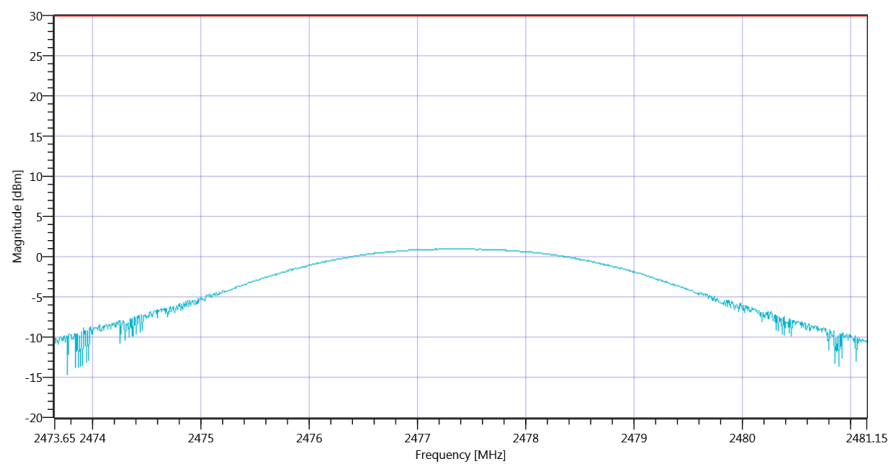
Test at TX 2477.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.84 10.35 20
Start [MHz] Stop [MHz]	2473.650 2481.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 100 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	0.93	dBm	PASS
Peak Power	---	1000	1.238797	mW	PASS
Frequency at Peak	---	---	2477.348	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_140719.png

TEST FINISHED

General Verdict	07.08.2020 14:07:20 / RT: 69 s	PASS
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23. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	07.08.2020 14:37:25
Ambit Temp [°C] Humidity [rel%]	26.3 38
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

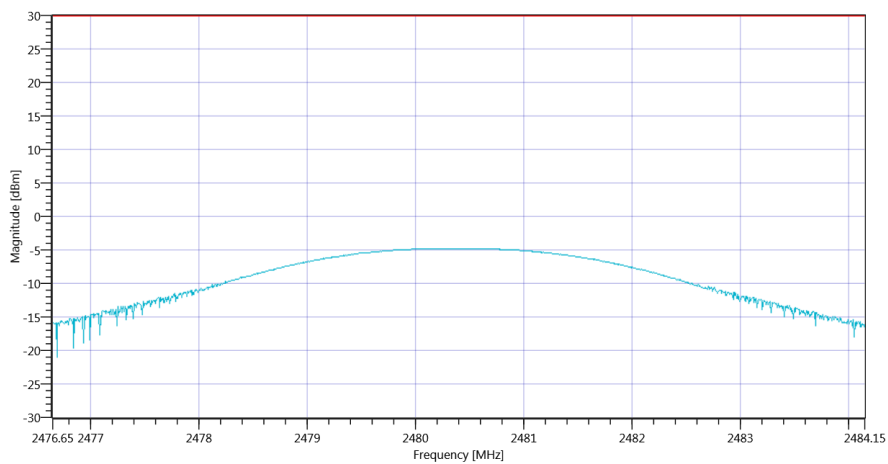
Test at TX 2480.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.09 10.36 10
Start [MHz] Stop [MHz]	2476.650 2484.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	5000 10 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	-4.79	dBm	PASS
Peak Power	---	1000	0.331894	mW	PASS
Frequency at Peak	---	---	2480.4	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_143834.png

TEST FINISHED

General Verdict	07.08.2020 14:38:35 / RT: 69 s	PASS
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24. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	06.08.2020 16:08:20
Ambit Temp [°C] Humidity [rel%]	25.9 38
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

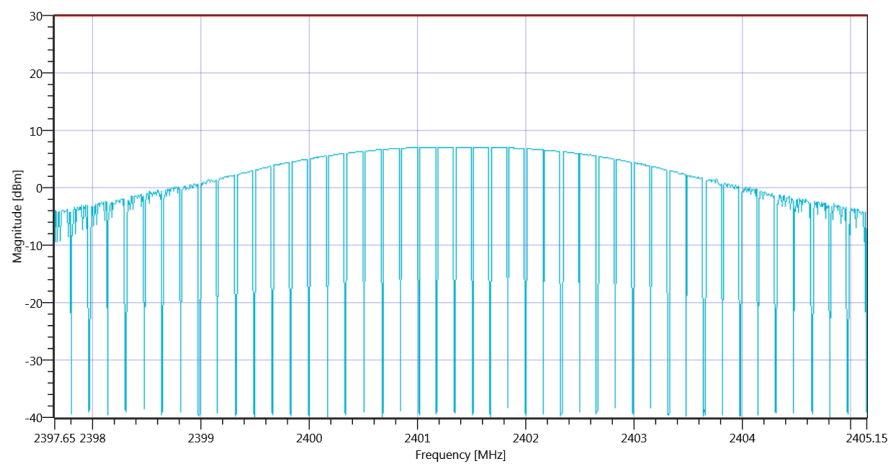
Test at TX 2401.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.05 10.21 25
Start [MHz] Stop [MHz]	2397.650 2405.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1500 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	7.08	dBm	PASS
Peak Power	---	1000	5.10505	mW	PASS
Frequency at Peak	---	---	2401.28	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_06082020_160916.png

TEST FINISHED

General Verdict	06.08.2020 16:09:16 / RT: 56 s	PASS
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25. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	06.08.2020 16:21:36
Ambit Temp [°C] Humidity [rel%]	25.9 38
System Version	1.0.0.49
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 FHSS - 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] 2402.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

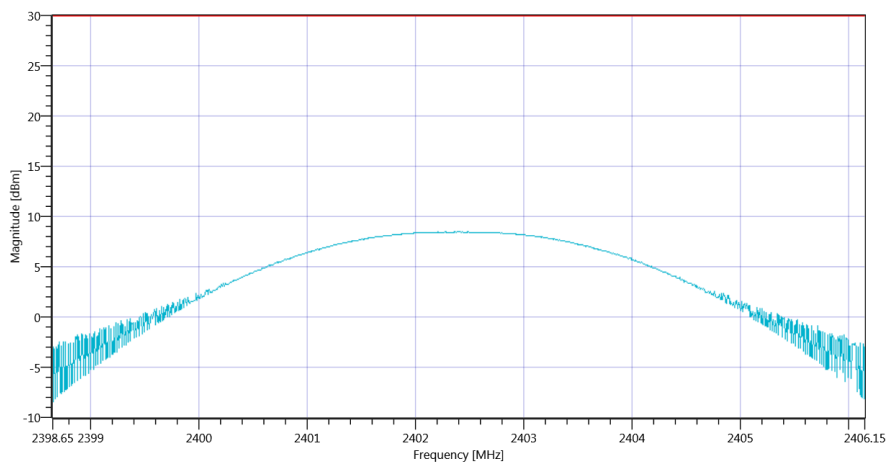
Test at TX 2402.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.41 10.21 25
Start [MHz] Stop [MHz]	2398.650 2406.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.45	dBm	PASS
Peak Power	---	1000	6.99842	mW	PASS
Frequency at Peak	---	---	2402.392	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_06082020_162219.png

TEST FINISHED

General Verdict	06.08.2020 16:22:19 / RT: 43 s	PASS
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26. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	06.08.2020 16:44:03
Ambit Temp [°C] Humidity [rel%]	25.8 39
System Version	1.0.0.49
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 FHSS - 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] 2404.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

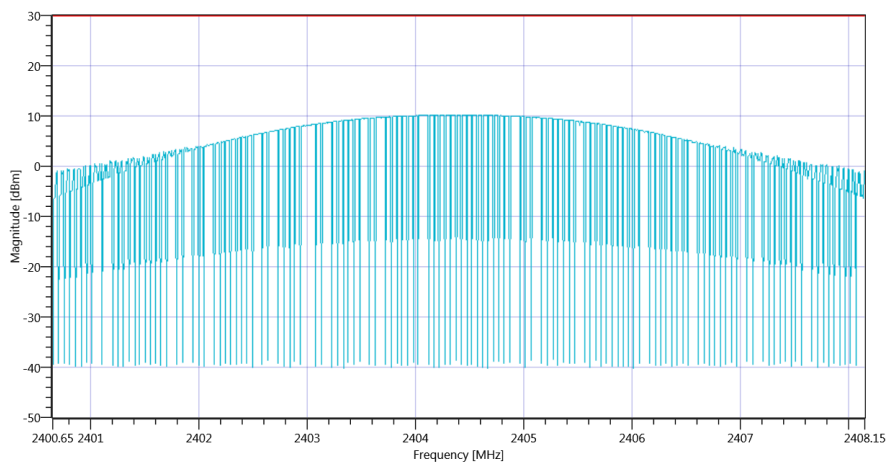
Test at TX 2404.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.13 10.21 25
Start [MHz] Stop [MHz]	2400.650 2408.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	10.14	dBm	PASS
Peak Power	---	1000	10.327614	mW	PASS
Frequency at Peak	---	---	2404.34	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_06082020_164446.png

TEST FINISHED

General Verdict

06.08.2020 16:44:46 / RT: 43 s

PASS

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

Test References	
TC Start	06.08.2020 16:59:42
Ambit Temp [°C] Humidity [rel%]	26.2 41
System Version	1.0.0.49
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 FHSS - 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] 2419.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	False Freq [MHz] 2480.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

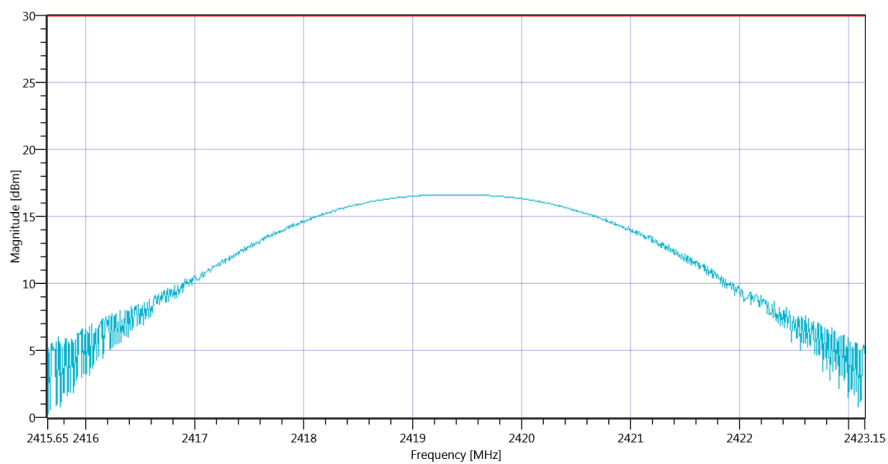
Test at TX 2419.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	26.56 10.24 35
Start [MHz] Stop [MHz]	2415.650 2423.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	16.61	dBm	PASS
Peak Power	---	1000	45.814189	mW	PASS
Frequency at Peak	---	---	2419.415	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_06082020_170026.png

TEST FINISHED

General Verdict	06.08.2020 17:00:26 / RT: 43 s	PASS
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28. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4

Test References	
TC Start	07.08.2020 07:45:40
Ambit Temp [°C] Humidity [rel%]	26.1 44
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2474.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

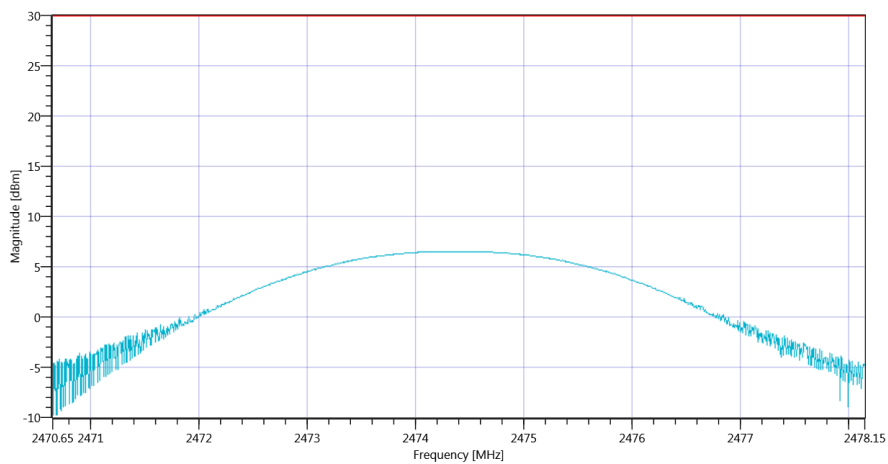
Test at TX 2474.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.40 10.35 25
Start [MHz] Stop [MHz]	2470.650 2478.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	6.5	dBm	PASS
Peak Power	---	1000	4.466836	mW	PASS
Frequency at Peak	---	---	2474.438	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_074622.png

TEST FINISHED

General Verdict	07.08.2020 07:46:23 / RT: 43 s	PASS
-----------------	--------------------------------	------

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

Test References	
TC Start	07.08.2020 08:35:51
Ambit Temp [°C] Humidity [rel%]	29.1 39
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2478.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

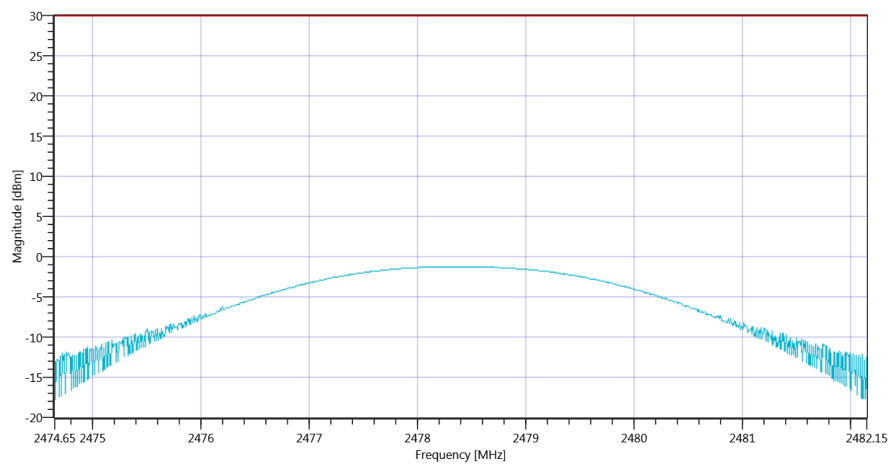
Test at TX 2478.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.65 10.35 15
Start [MHz] Stop [MHz]	2474.650 2482.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	-1.28	dBm	PASS
Peak Power	---	1000	0.744732	mW	PASS
Frequency at Peak	---	---	2478.43	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_083634.png

TEST FINISHED

General Verdict 07.08.2020 08:36:34 / RT: 43 s

PASS

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

Test References	
TC Start	07.08.2020 08:55:49
Ambit Temp [°C] Humidity [rel%]	28.9 40
System Version	1.0.0.49
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 FHSS - Generic 2G4
Add. Information	

Test Parameter	
Technology to test	Generic 2G4
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2401.4
Frequency mid to test	False Freq [MHz] 2440.4
Frequency high to test	True Freq [MHz] 2479.4
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

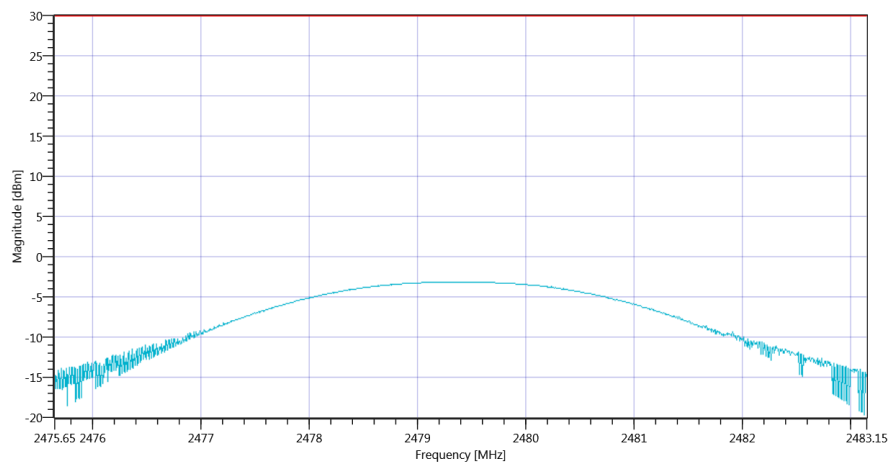
Test at TX 2479.4 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.73 10.35 15
Start [MHz] Stop [MHz]	2475.650 2483.150
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 25 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	-3.18	dBm	PASS
Peak Power	---	1000	0.480839	mW	PASS
Frequency at Peak	---	---	2479.415	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_07082020_085633.png

TEST FINISHED

General Verdict	07.08.2020 08:56:33 / RT: 43 s	PASS
-----------------	--------------------------------	------

31. Hardcopy Spectrum Analyzer ~

Test References

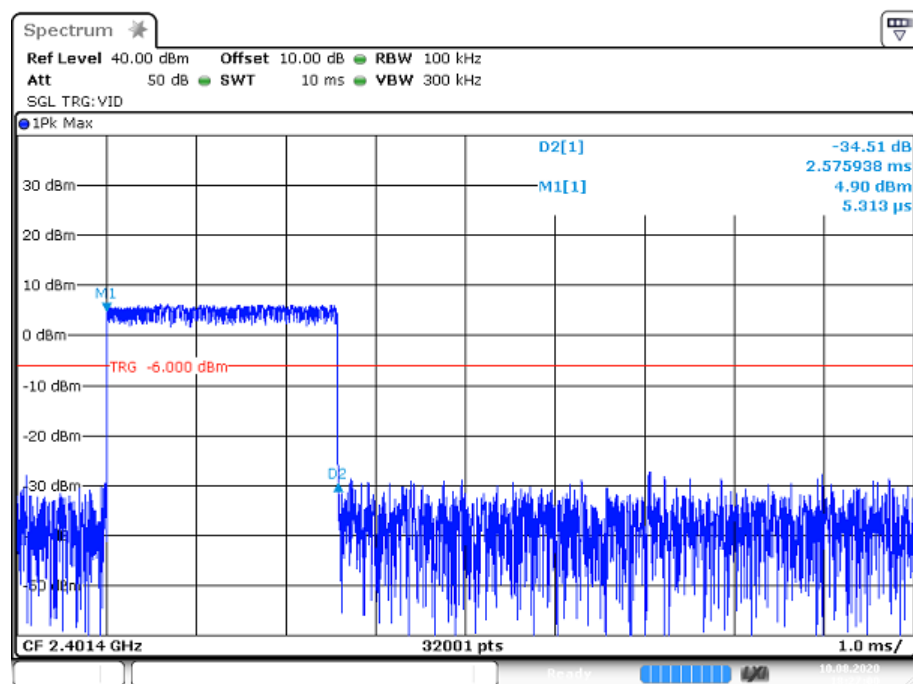
TC Start	10.08.2020 18:22:37
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2401.400 2401.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 0 32001 SWE



Date: 10.AUG.2020 18:27:01

HC_10082020_182240.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-34.509	dB	Information

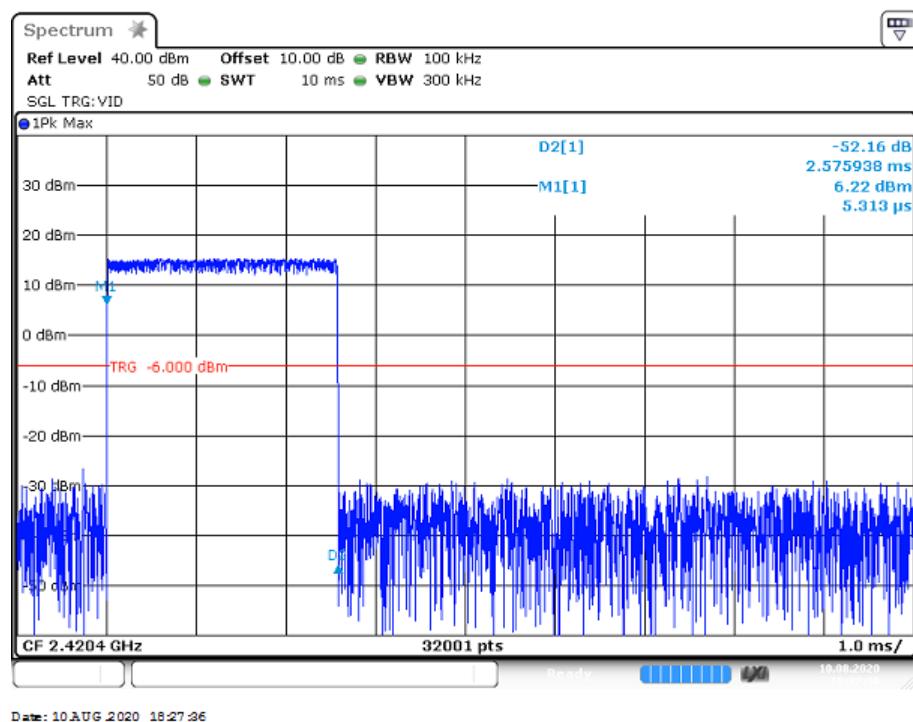
TEST FINISHED					
General Verdict	10.08.2020 18:22:55 / RT: 17 s			PASS	

32. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:23:12
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2420.400 2420.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 0 32001 SWE



HC_10082020_182315.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-52.159	dB	Information

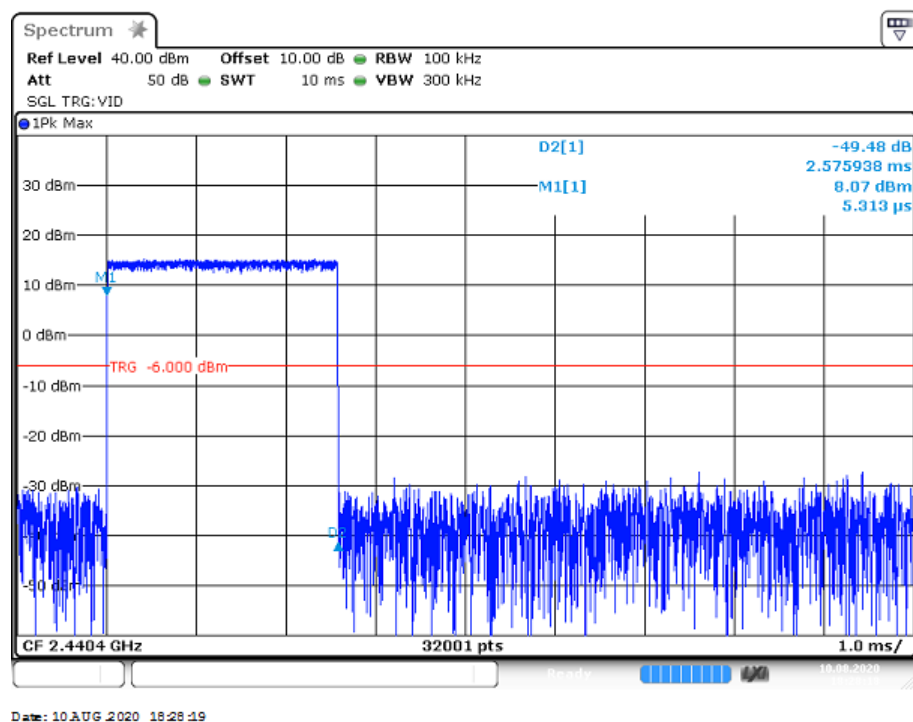
TEST FINISHED					
General Verdict	10.08.2020 18:23:30 / RT: 17 s			PASS	

33. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:23:55
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2440.400 2440.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 0 32001 SWE



Date: 10.AUG 2020 18:28:19

HC_10082020_182358.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	--	--	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-49.478	dB	Information

TEST FINISHED					
General Verdict	10.08.2020 18:24:13 / RT: 17 s			PASS	

34. Hardcopy Spectrum Analyzer ~

Test References

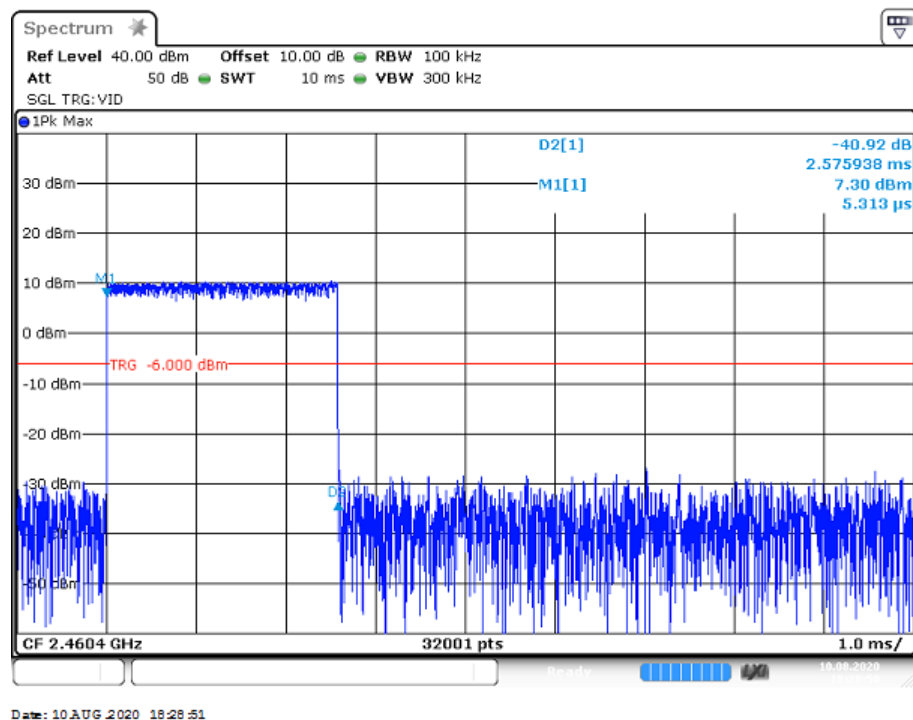
TC Start	10.08.2020 18:24:27
Ambit Temp [°C] Humidity [rel%]	28.3 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2460.400 2460.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 0 32001 SWE



HC_10082020_182429.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-40.923	dB	Information

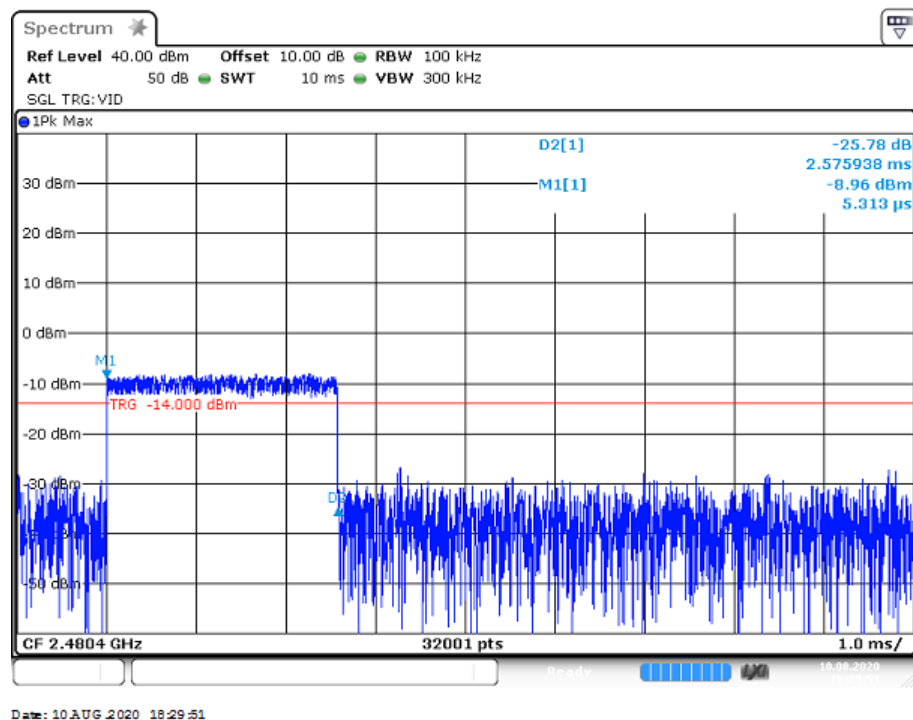
TEST FINISHED					
General Verdict	10.08.2020 18:24:44 / RT: 17 s			PASS	

35. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:25:27
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2480.400 2480.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 0 32001 SWE



HC_10082020_182530.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-25.776	dB	Information

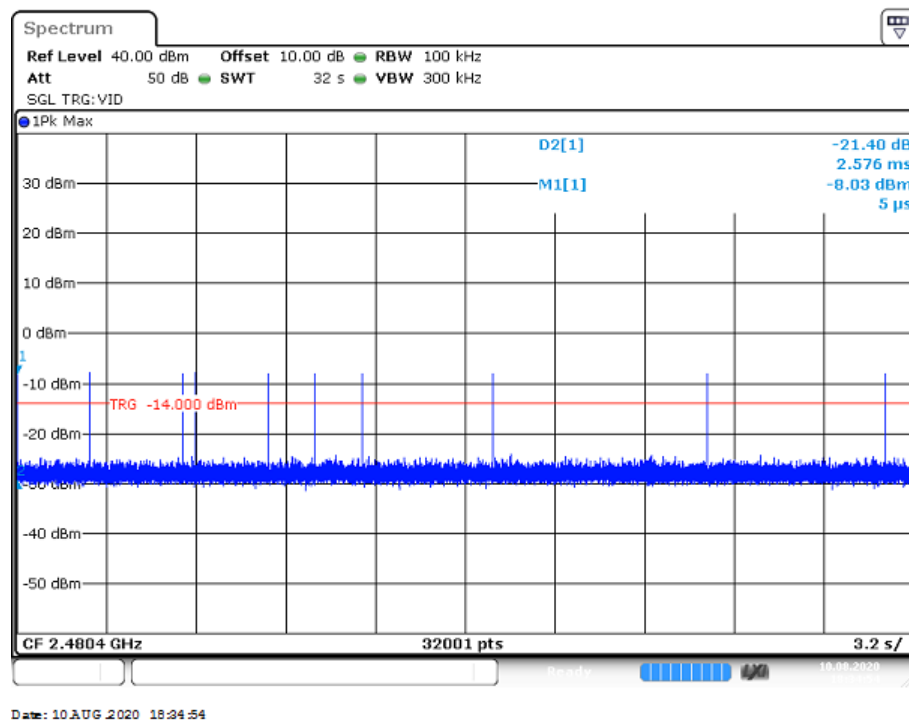
TEST FINISHED					
General Verdict	10.08.2020 18:25:45 / RT: 17 s			PASS	

36. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:30:31
Ambit Temp [°C] Humidity [rel%]	28.3 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2480.400 2480.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	32000 0 32001 SWE



HC_10082020_183033.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-21.403	dB	Information

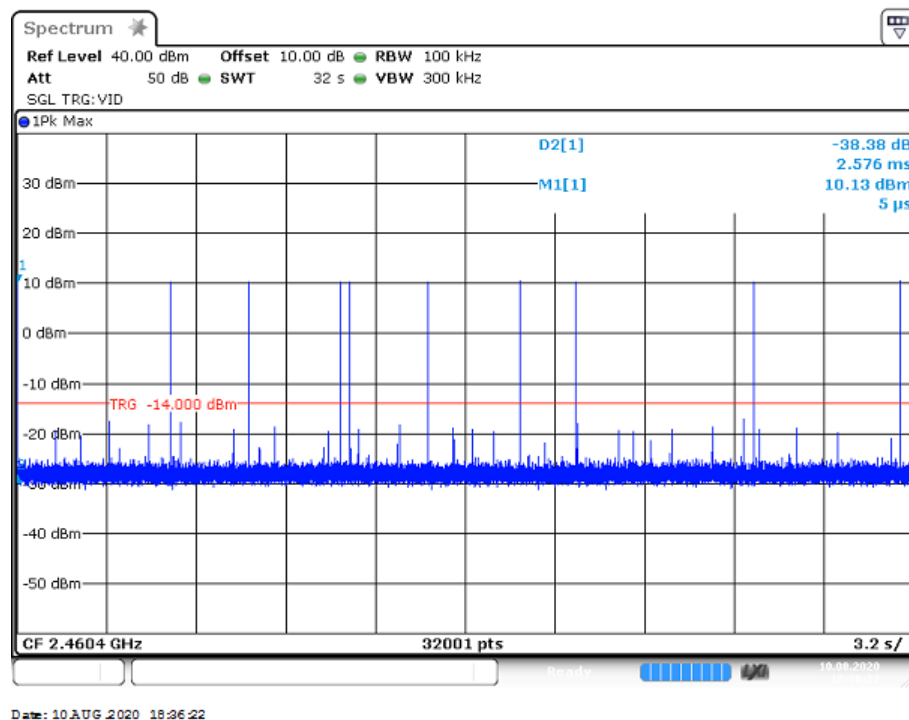
TEST FINISHED					
General Verdict	10.08.2020 18:30:48 / RT: 17 s			PASS	

37. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:31:59
Ambit Temp [°C] Humidity [rel%]	28.3 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2460.400 2460.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	32000 0 32001 SWE



HC_10082020_183201.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-38.380	dB	Information

TEST FINISHED					
General Verdict	10.08.2020 18:32:16 / RT: 17 s			PASS	

38. Hardcopy Spectrum Analyzer ~

Test References

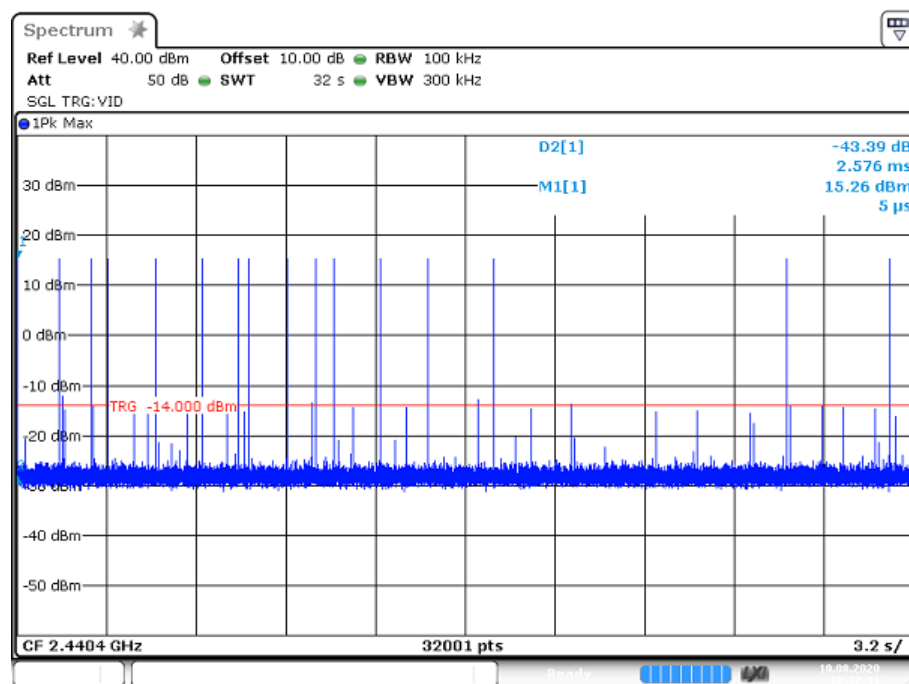
TC Start	10.08.2020 18:33:07
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2440.400 2440.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	32000 0 32001 SWE



Date: 10.AUG.2020 18:37:31

HC_10082020_183310.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-43.394	dB	Information

TEST FINISHED					
General Verdict	10.08.2020 18:33:25 / RT: 17 s			PASS	

39. Hardcopy Spectrum Analyzer ~

Test References

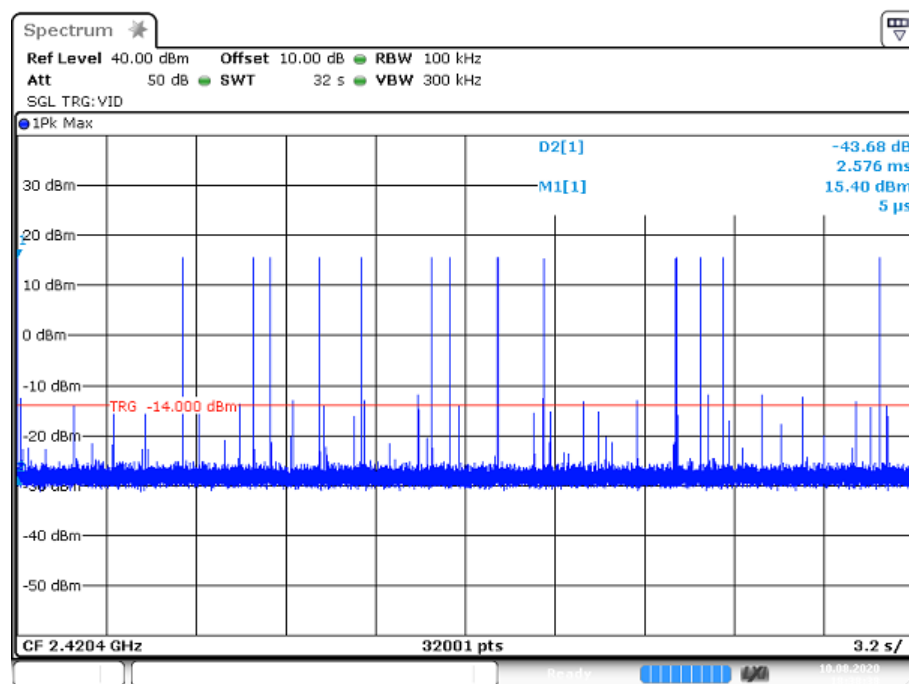
TC Start	10.08.2020 18:34:15
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2420.400 2420.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	32000 0 32001 SWE



Date: 10.AUG 2020 18:38:39

HC_10082020_183417.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-43.676	dB	Information

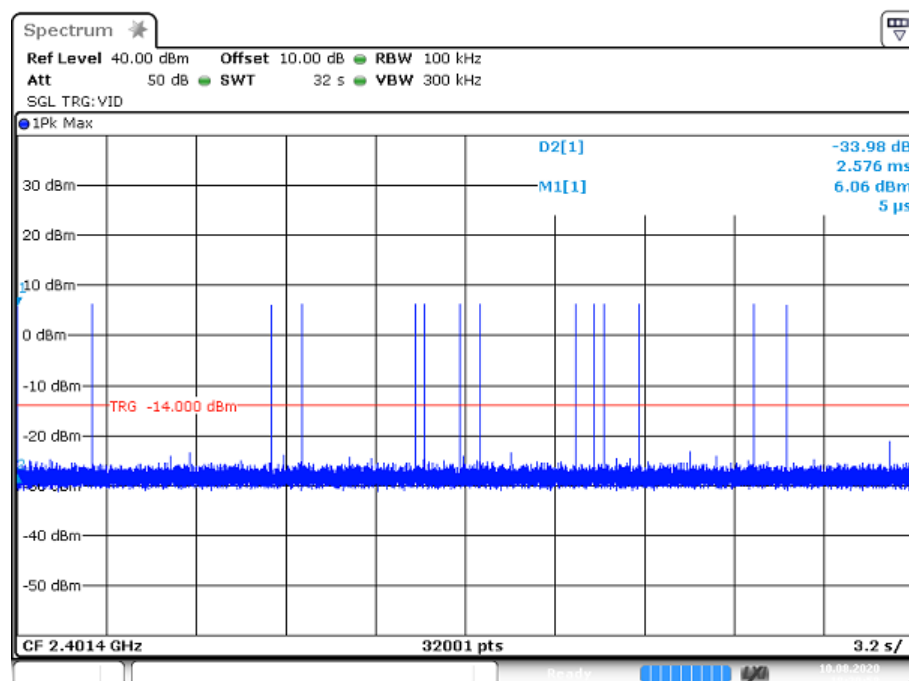
TEST FINISHED					
General Verdict	10.08.2020 18:34:33 / RT: 17 s			PASS	

40. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	10.08.2020 18:35:34
Ambit Temp [°C] Humidity [rel%]	28.2 34
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter	
Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2401.400 2401.400
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	32000 0 32001 SWE



Date: 10.AUG 2020 18:39:58

HC_10082020_183537.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.005	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	---	---	2.576	ms	Information
Delta Marker 2 Level	---	---	-33.976	dB	Information

TEST FINISHED					
General Verdict	10.08.2020 18:35:52 / RT: 17 s			PASS	

41. Hardcopy Spectrum Analyzer ~

Test References

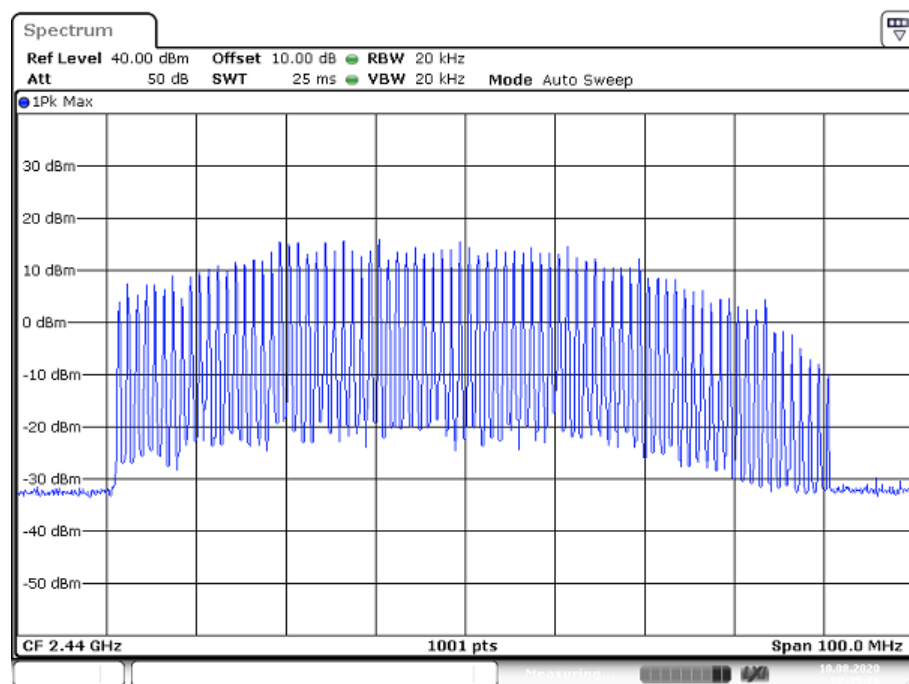
TC Start	10.08.2020 18:41:03
Ambit Temp [°C] Humidity [rel%]	28.2 35
System Version	1.0.0.49
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	--
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 10 50
Start [MHz] Stop [MHz]	2390.000 2490.000
RBW [MHz] VBW [MHz]	0.020000 0.020000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	25 0 1001 SWE



Date: 10.AUG 2020 18:45:26

HC_10082020_184105.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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Delta Marker Readout

TEST FINISHED

General Verdict

10.08.2020 18:41:20 / RT: 17 s

PASS

- END OF DOCUMENT -
