

Measurement Results

1-1566/20-01-07_log1_conducted

[Test logging](#)

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EUT Summary

EUT DEFINITION	
Manufacturer	PHONAK Communications AG
Type	Roger On
Kind	NI
Serial Number Setup Number	NI 1.0
Version SW FW HW	NI NI NI
Comment 1 2	PS-3
Temperature [°C] Min Nom Max	0 20 40
Voltage [V] Min Nom Max @Current Max [A]	4.5 5 5.5 @1

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

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

Test References	
TC Start	24.02.2021 11:44:45
Ambit Temp [°C] Humidity [rel%]	0.0 0
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] 2402
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2480
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

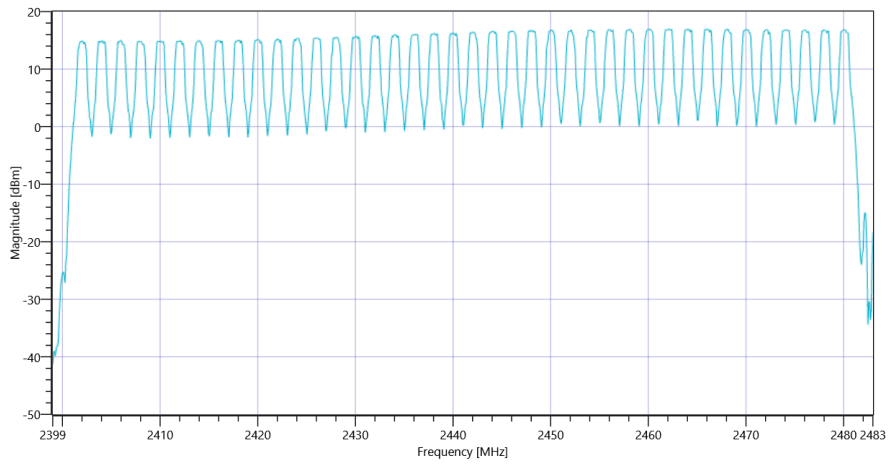
Test at TX hopping MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.63 10.94 30
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)	---	---	2402	MHz	Information
Hopp channel (rounded)	---	---	2404	MHz	Information
Hopp channel (rounded)	---	---	2406	MHz	Information
Hopp channel (rounded)	---	---	2408	MHz	Information
Hopp channel (rounded)	---	---	2410	MHz	Information
Hopp channel (rounded)	---	---	2412	MHz	Information
Hopp channel (rounded)	---	---	2414	MHz	Information
Hopp channel (rounded)	---	---	2416	MHz	Information
Hopp channel (rounded)	---	---	2418	MHz	Information
Hopp channel (rounded)	---	---	2420	MHz	Information
Hopp channel (rounded)	---	---	2422	MHz	Information
Hopp channel (rounded)	---	---	2424	MHz	Information
Hopp channel (rounded)	---	---	2426	MHz	Information
Hopp channel (rounded)	---	---	2428	MHz	Information
Hopp channel (rounded)	---	---	2430	MHz	Information
Hopp channel (rounded)	---	---	2432	MHz	Information
Hopp channel (rounded)	---	---	2434	MHz	Information
Hopp channel (rounded)	---	---	2436	MHz	Information
Hopp channel (rounded)	---	---	2438	MHz	Information
Hopp channel (rounded)	---	---	2440	MHz	Information
Hopp channel (rounded)	---	---	2442	MHz	Information
Hopp channel (rounded)	---	---	2444	MHz	Information
Hopp channel (rounded)	---	---	2446	MHz	Information
Hopp channel (rounded)	---	---	2448	MHz	Information
Hopp channel (rounded)	---	---	2450	MHz	Information
Hopp channel (rounded)	---	---	2452	MHz	Information
Hopp channel (rounded)	---	---	2454	MHz	Information
Hopp channel (rounded)	---	---	2456	MHz	Information
Hopp channel (rounded)	---	---	2458	MHz	Information
Hopp channel (rounded)	---	---	2460	MHz	Information
Hopp channel (rounded)	---	---	2462	MHz	Information
Hopp channel (rounded)	---	---	2464	MHz	Information
Hopp channel (rounded)	---	---	2466	MHz	Information
Hopp channel (rounded)	---	---	2468	MHz	Information
Hopp channel (rounded)	---	---	2470	MHz	Information
Hopp channel (rounded)	---	---	2472	MHz	Information
Hopp channel (rounded)	---	---	2474	MHz	Information
Hopp channel (rounded)	---	---	2476	MHz	Information
Hopp channel (rounded)	---	---	2478	MHz	Information
Hopp channel (rounded)	---	---	2480	MHz	Information
Σ Hopping channels	15	---	40	Number	PASS



Plot_FCC Part 15.247 Number Of Hopping Channels FHSS ~ Generic 2G4_24022021_114526.png

TEST FINISHED

General Verdict

PASS

2. FCC Part 15.247 Carrier Frequency Separation FHSS ~ Generic 2G4

Test References	
TC Start	24.02.2021 11:45:32
Ambit Temp [°C] Humidity [rel%]	0.0 0
System Version	1.9.9.9
Test Specification	FCC Part 15.247
Test Method	
TC Version	0.0.1
My Description	FCC 15.247 Carrier Frequency Separation 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] 2402
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2480
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

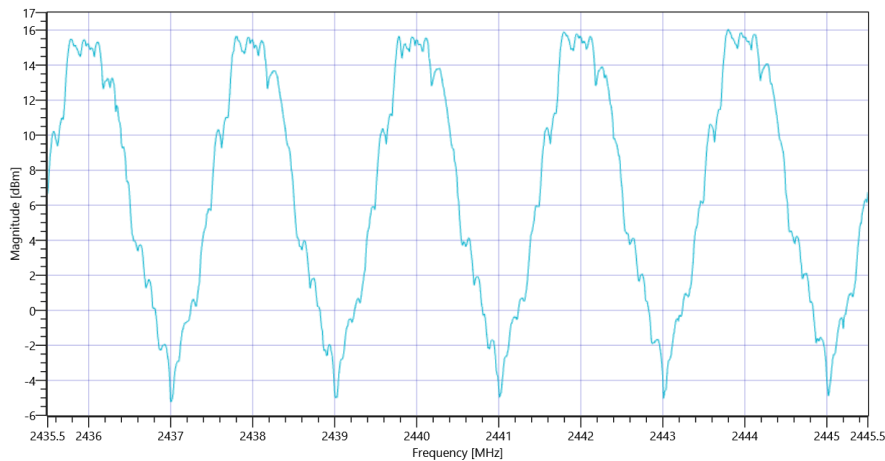
Test at TX hopping MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.62 10.94 30
Start [MHz] Stop [MHz]	2435.500 2445.500
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 20000 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
1 CFS n to n+1 (rnd)	0.025	---	2	MHz	PASS
1 CFS n to n+1 (rnd)	1.333 (2/3 Nom.BW)	---	2	MHz	PASS
2 CFS n to n+1 (rnd)	0.025	---	2	MHz	PASS
2 CFS n to n+1 (rnd)	1.333 (2/3 Nom.BW)	---	2	MHz	PASS
3 CFS n to n+1 (rnd)	0.025	---	2	MHz	PASS
3 CFS n to n+1 (rnd)	1.333 (2/3 Nom.BW)	---	2	MHz	PASS
4 CFS n to n+1 (rnd)	0.025	---	2	MHz	PASS
4 CFS n to n+1 (rnd)	1.333 (2/3 Nom.BW)	---	2	MHz	PASS
5 CFS n to n+1 (rnd)	0.025	---	2	MHz	PASS
5 CFS n to n+1 (rnd)	1.333 (2/3 Nom.BW)	---	2	MHz	PASS
Carrier Freq. (rnd)	---	---	2436	MHz	INFO
Carrier Freq. (rnd)	---	---	2438	MHz	INFO
Carrier Freq. (rnd)	---	---	2440	MHz	INFO
Carrier Freq. (rnd)	---	---	2442	MHz	INFO
Carrier Freq. (rnd)	---	---	2444	MHz	INFO
Carrier Freq. (rnd)	---	---	2445	MHz	INFO



Plot_FCC Part 15.247 Carrier Frequency Separation FHSS ~ Generic 2G4_24022021_114725.png

TEST FINISHED

General Verdict

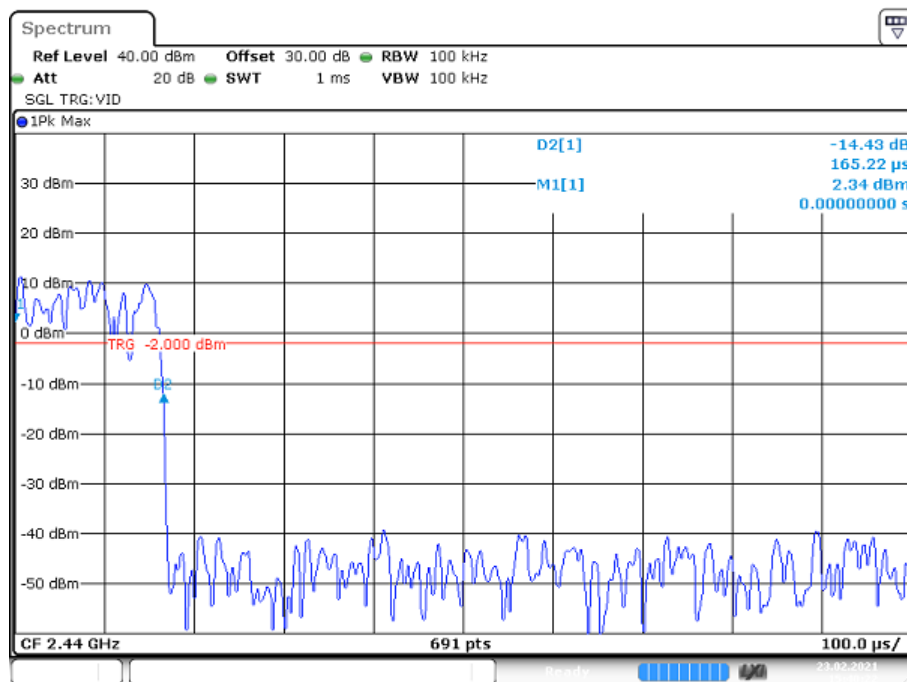
PASS

3. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	23.02.2021 15:30:19
Ambit Temp [°C] Humidity [rel%]	0.0 0
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-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2440.000 2440.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 0 691 SWE



Date: 23.FEB.2021 15:40:23

HC_23022021_153021.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.000	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	-14.428	dB	Information

TEST FINISHED

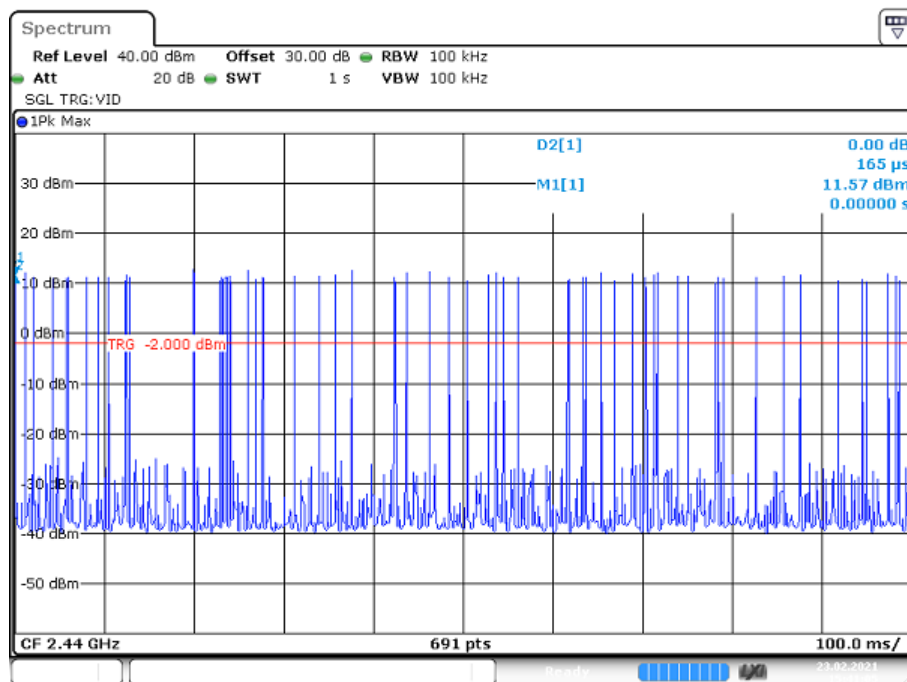
General Verdict INFO

4. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	23.02.2021 15:31:01
Ambit Temp [°C] Humidity [rel%]	0.0 0
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-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2440.000 2440.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 0 691 SWE



Date: 23.FEB.2021 15:41:05

HC_23022021_153103.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	--	--	0.000	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	0.000	dB	Information

TEST FINISHED

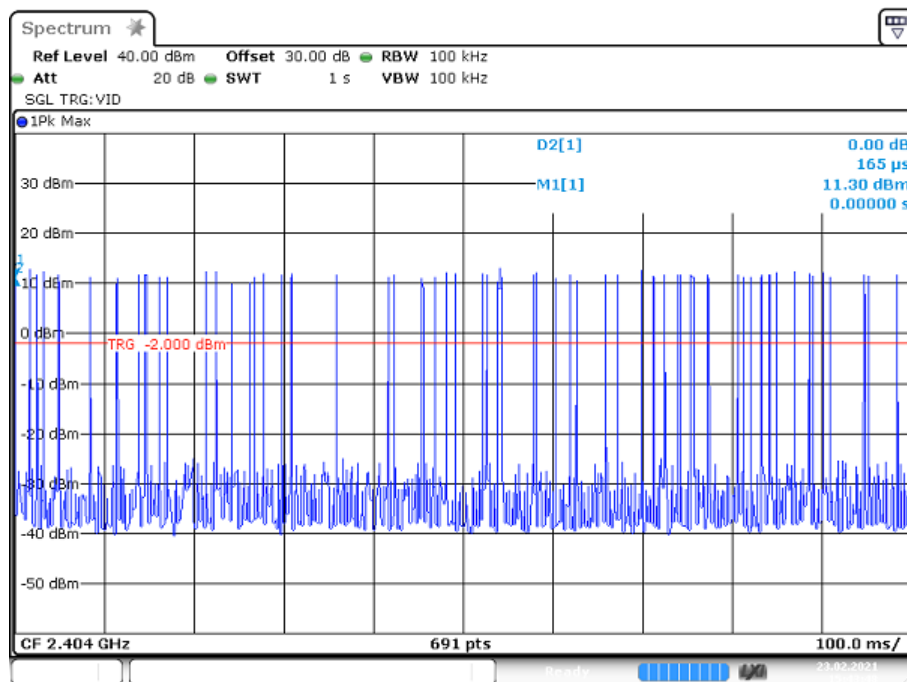
General Verdict INFO

5. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	23.02.2021 15:33:45
Ambit Temp [°C] Humidity [rel%]	0.0 0
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-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2404.000 2404.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 0 691 SWE



Date: 23.FEB.2021 15:43:49

HC_23022021_153347.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.000	ms	Information

RESULT					
--------	--	--	--	--	--

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	0.000	dB	Information

TEST FINISHED

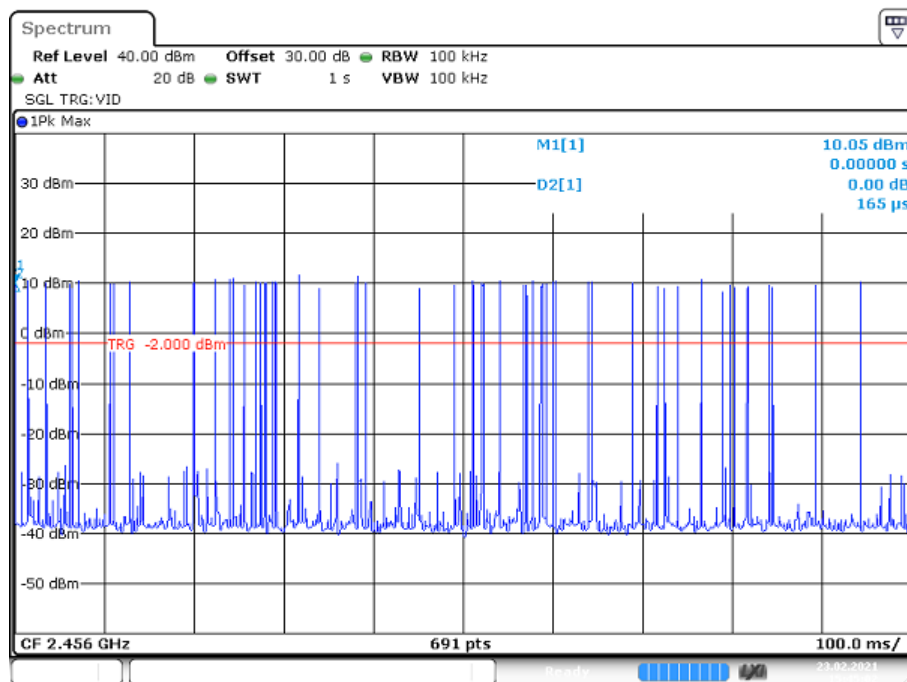
General Verdict INFO

6. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	23.02.2021 15:34:59
Ambit Temp [°C] Humidity [rel%]	0.0 0
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-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2456.000 2456.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 0 691 SWE



Date: 23.FEB.2021 15:45:02

HC_23022021_153500.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.000	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	0.000	dB	Information

TEST FINISHED

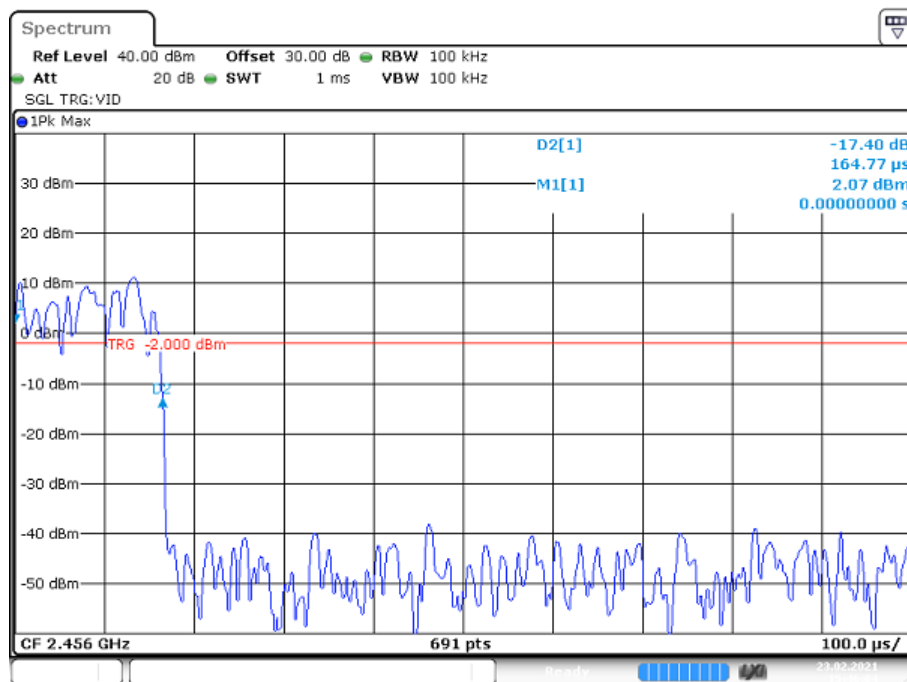
General Verdict INFO

7. Hardcopy Spectrum Analyzer ~

Test References	
TC Start	23.02.2021 15:36:01
Ambit Temp [°C] Humidity [rel%]	0.0 0
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-30,1321.3008K30/103170,3.60

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2456.000 2456.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 0 691 SWE



Date: 23.FEB.2021 15:46:04

HC_23022021_153602.png

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.000	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	-17.397	dB	Information

TEST FINISHED

General Verdict INFO

8. Hardcopy Spectrum Analyzer ~

Test References

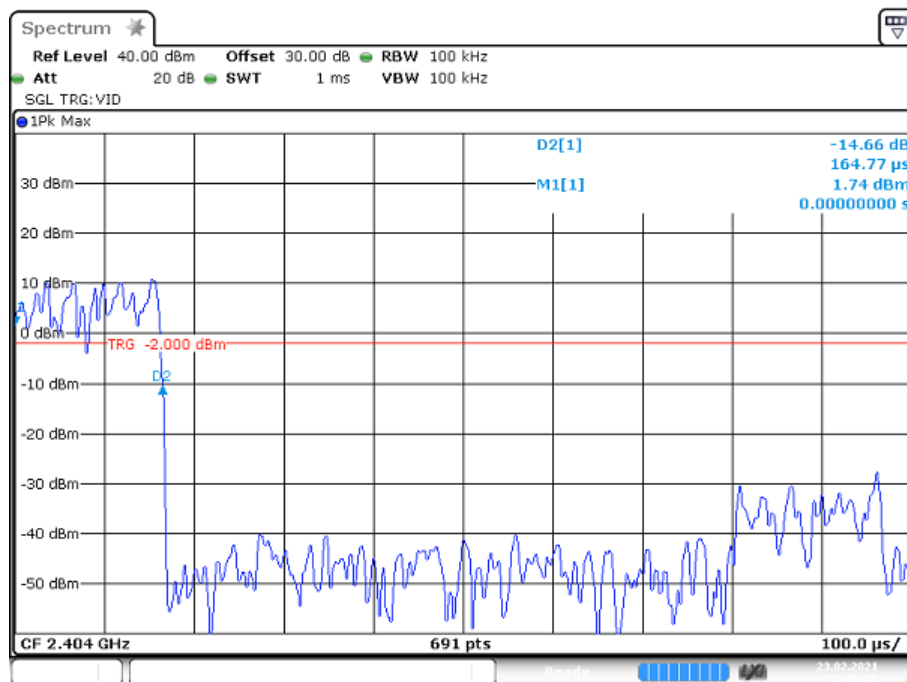
TC Start	23.02.2021 15:36:37
Ambit Temp [°C] Humidity [rel%]	0.0 0
System Version	1.9.9.9
Test Specification	None
Test Method	
TC Version	0.0.1
My Description	Hardcopy Spectrum Analyzer
Add. Information	

Test Parameter

Technology to test	
Switched Path	None
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 30 20
Start [MHz] Stop [MHz]	2404.000 2404.000
RBW [MHz] VBW [MHz]	0.100000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 0 691 SWE



Date: 23.FEB.2021 15:46:41

HC_23022021_153639.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Time	---	---	0.000	ms	Information

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					
Delta Marker 2 Time	--	--	0.165	ms	Information
Delta Marker 2 Level	--	--	-14.656	dB	Information

TEST FINISHED					
General Verdict				INFO	

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

Test References	
TC Start	02.03.2021 11:47:03
Ambit Temp [°C] Humidity [rel%]	0.0 0
System Version	2.0.0.2
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
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] 2402
Frequency mid to test	True Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2480
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

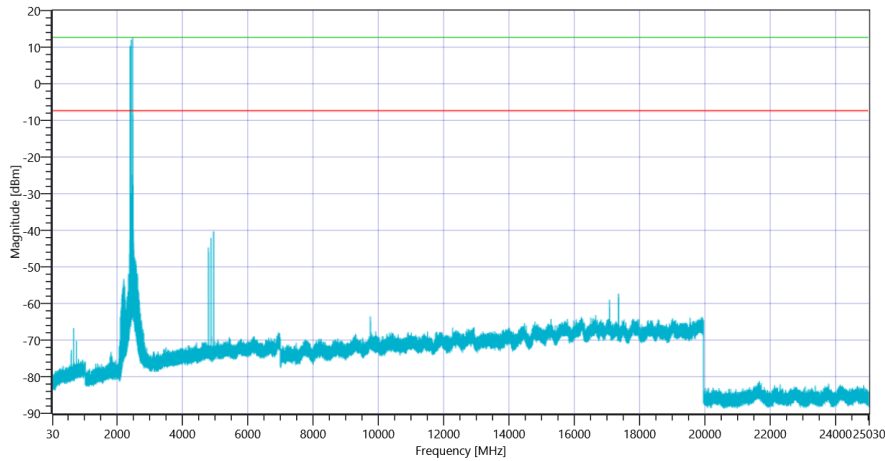
Test at TX 2440 MHz

READ SA SETTINGS:

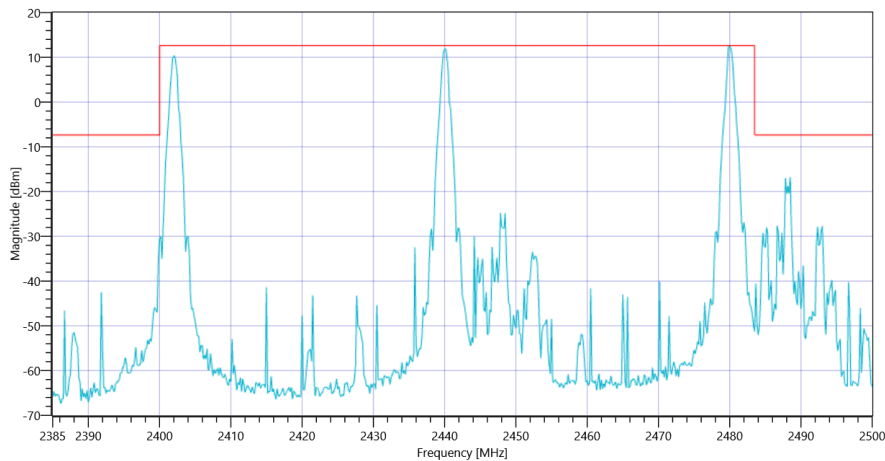
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-29.86 0 0
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	250 24 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	12.63	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2488.5 MHz	0	---	9.44	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440_02032021_115511.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ Generic 2G4 2440_02032021_115517.png

TEST FINISHED

General Verdict

PASS

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

Test References	
TC Start	02.03.2021 11:55:23
Ambit Temp [°C] Humidity [rel%]	0.0 0
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] 2402
Frequency mid to test	True Freq [MHz] 2440
Frequency high to test	True Freq [MHz] 2480
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

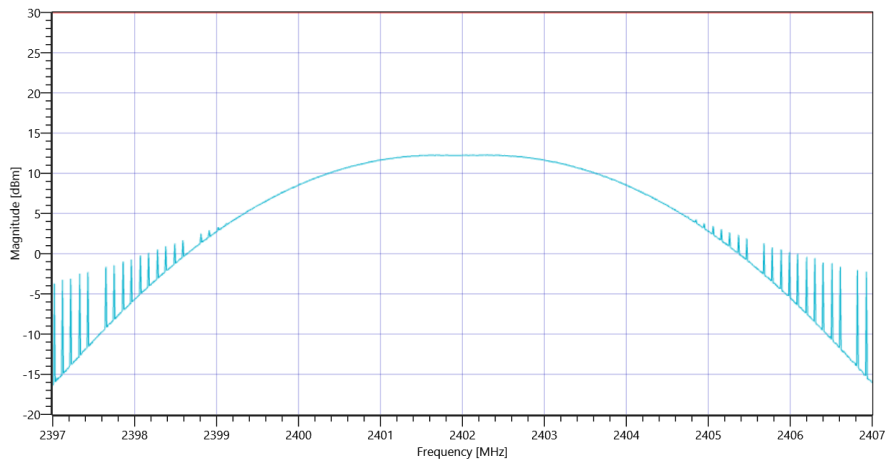
Test at TX 2402 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.80 10.86 30
Start [MHz] Stop [MHz]	2397.000 2407.000
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	12.27	dBm	PASS
Peak Power	---	1000	16.86553	mW	PASS
Frequency at Peak	---	---	2402.3	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_02032021_115552.png

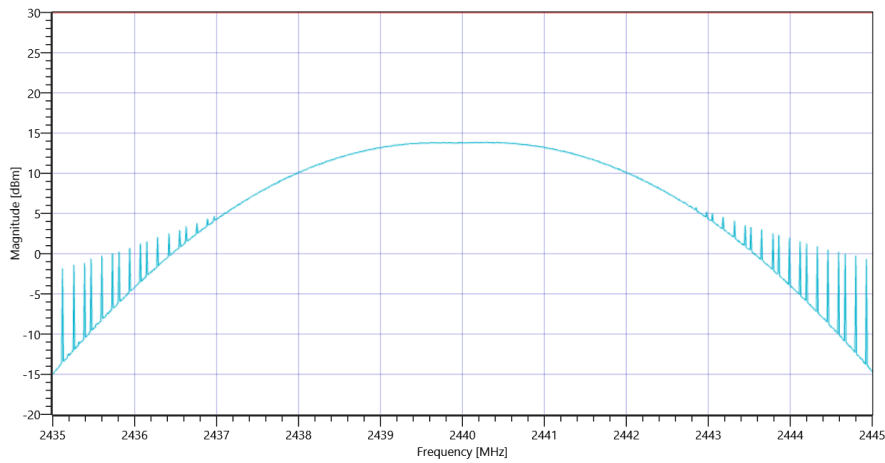
Test at TX 2440 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.50 10.94 30
Start [MHz] Stop [MHz]	2435.000 2445.000
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	13.86	dBm	PASS
Peak Power	---	1000	24.32204	mW	PASS
Frequency at Peak	---	---	2440.3	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_02032021_115620.png

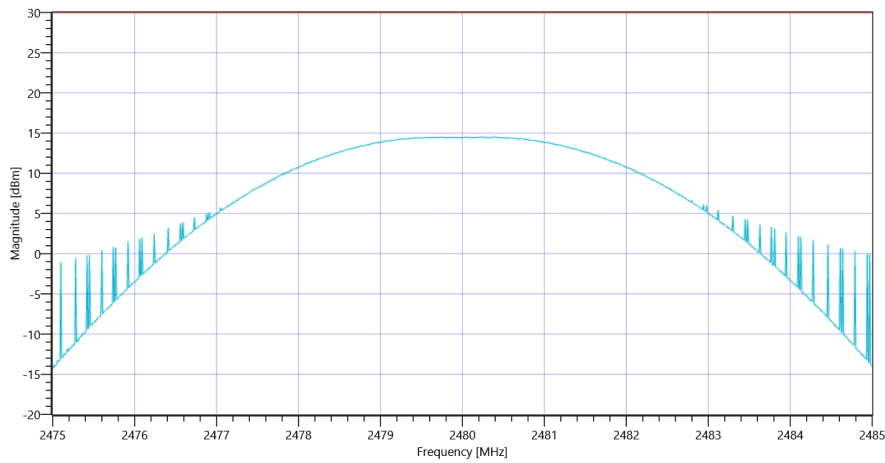
Test at TX 2480 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.46 11 30
Start [MHz] Stop [MHz]	2475.000 2485.000
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	14.51	dBm	PASS
Peak Power	---	1000	28.2488	mW	PASS
Frequency at Peak	---	---	2480.36	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ Generic 2G4_02032021_115648.png

TEST FINISHED

General Verdict

PASS

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

Test References	
TC Start	02.03.2021 11:56:53
Ambit Temp [°C] Humidity [rel%]	0.0 0
System Version	2.0.0.2
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] 2402
Frequency mid to test	True Freq [MHz] 2440
Frequency high to test	True Freq [MHz] 2480
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

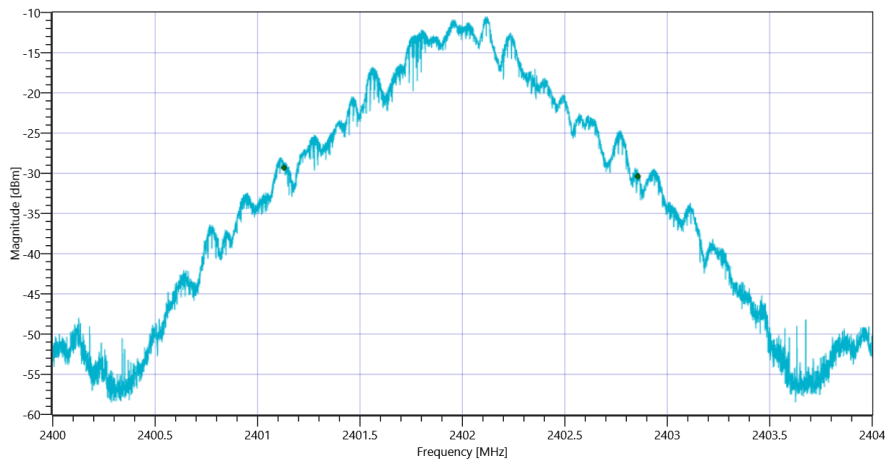
Test at TX 2402 MHz

READ SA SETTINGS:

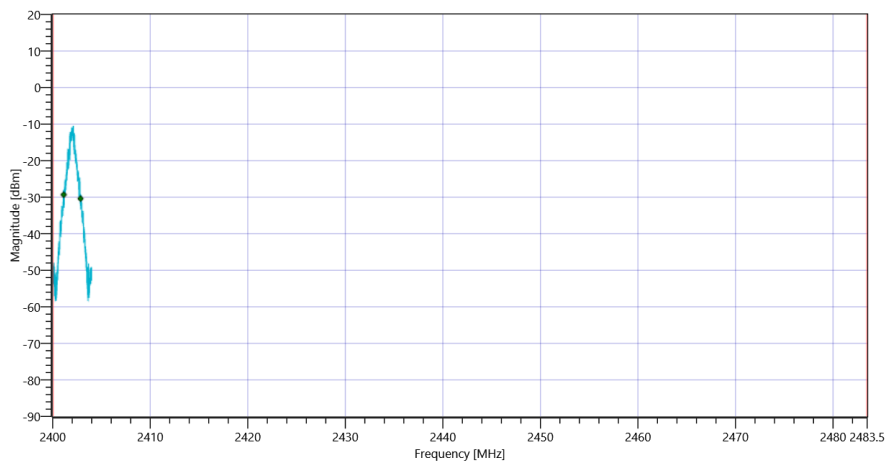
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.81 10.86 25
Start [MHz] Stop [MHz]	2400.000 2404.000
RBW [MHz] VBW [MHz]	0.050000 0.200000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1727.027	kHz	INFO
T1 99%	2400.000000	---	2401.1285	MHz	PASS
T2 99%	---	2483.500000	2402.8555	MHz	PASS



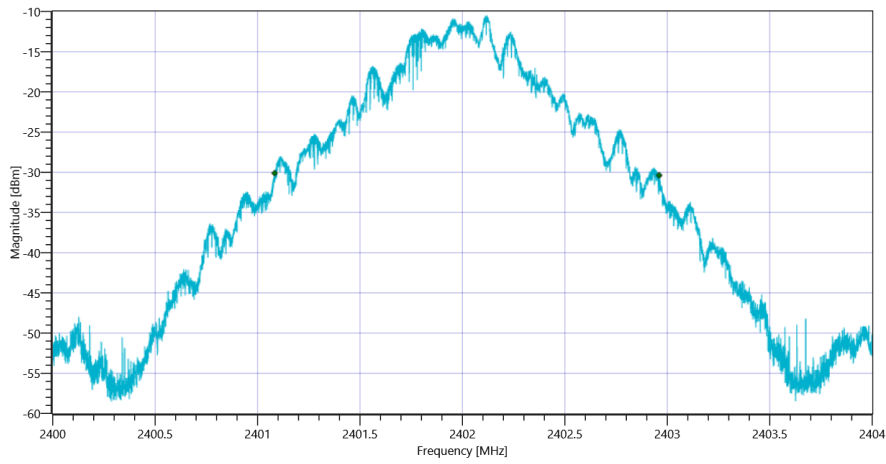
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_02032021_115723.png



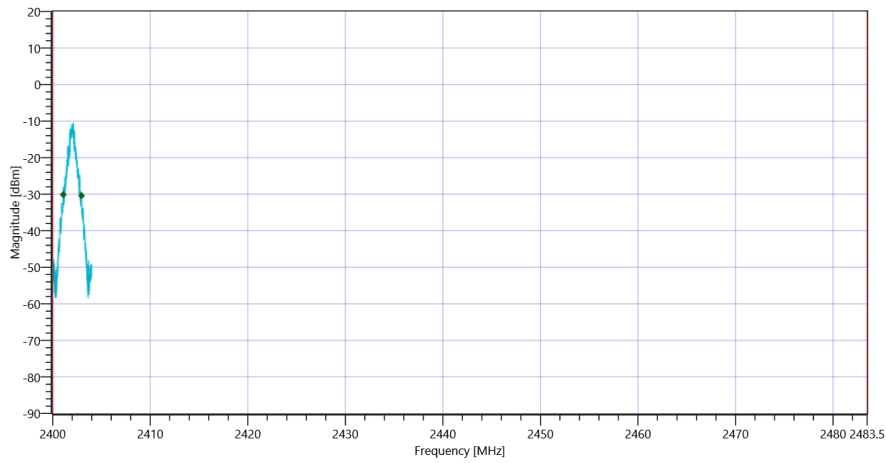
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115730.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1877	kHz	INFO
T1 20DB	2400.000000	---	2401.0832	MHz	PASS
T2 20dB	---	2483.500000	2402.9600	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_02032021_115738.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115745.png

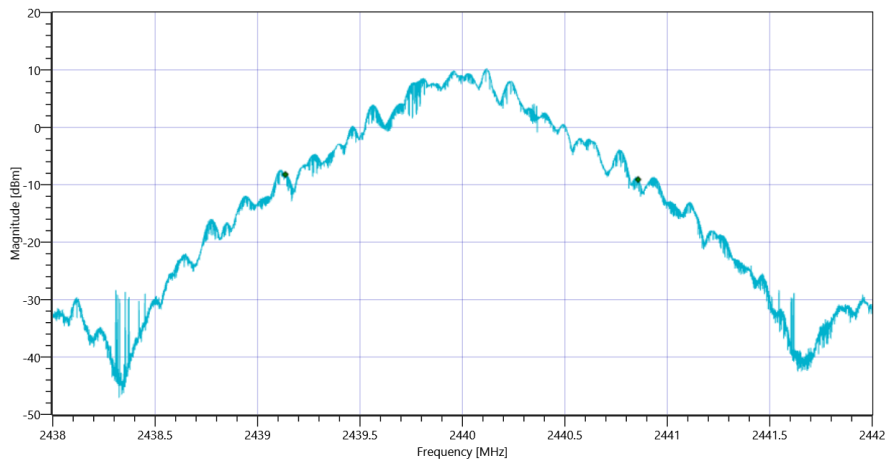
Test at TX 2440 MHz

READ SA SETTINGS:

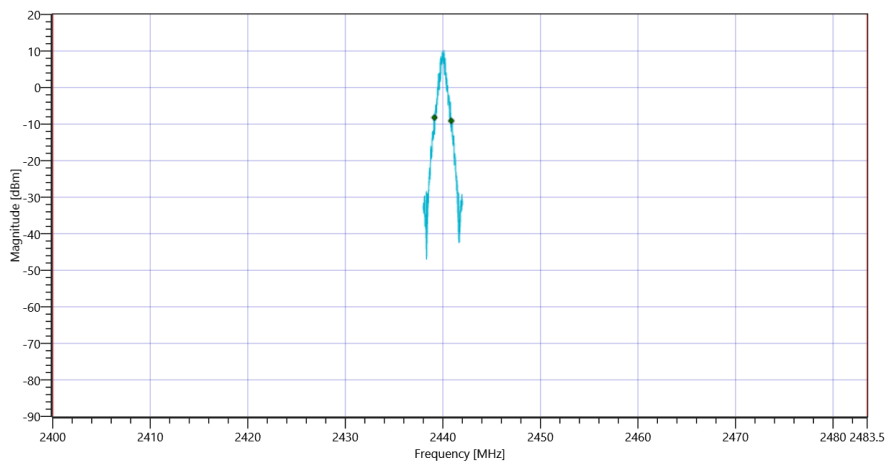
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.21 10.94 25
Start [MHz] Stop [MHz]	2438.000 2442.000
RBW [MHz] VBW [MHz]	0.050000 0.200000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1721.828	kHz	INFO
T1 99%	2400.000000	---	2439.1357	MHz	PASS
T2 99%	---	2483.500000	2440.8575	MHz	PASS



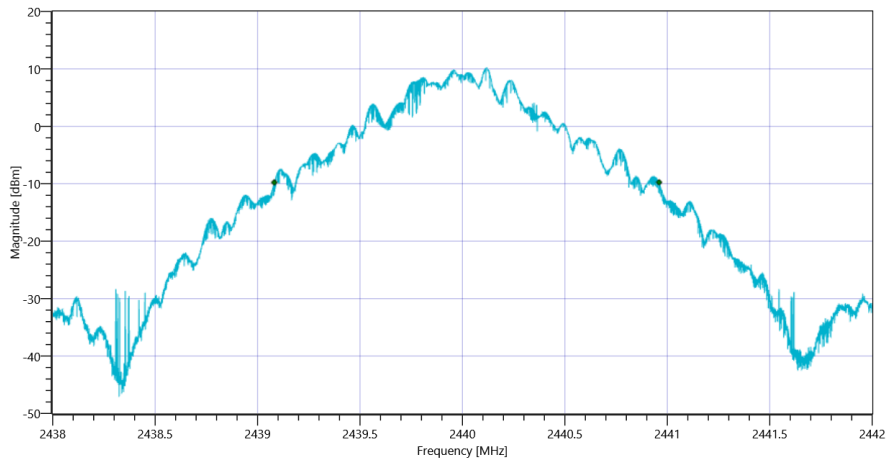
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_02032021_115815.png



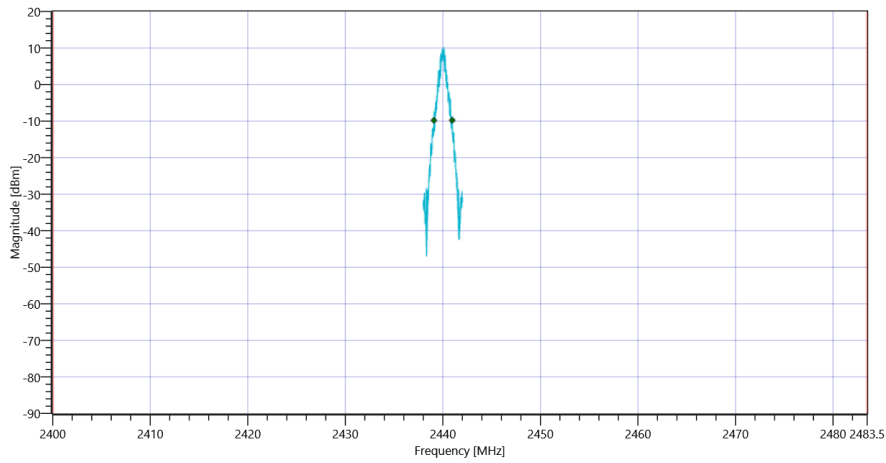
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115822.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1878	kHz	INFO
T1 20DB	2400.000000	---	2439.0816	MHz	PASS
T2 20dB	---	2483.500000	2440.9596	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_02032021_115831.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115838.png

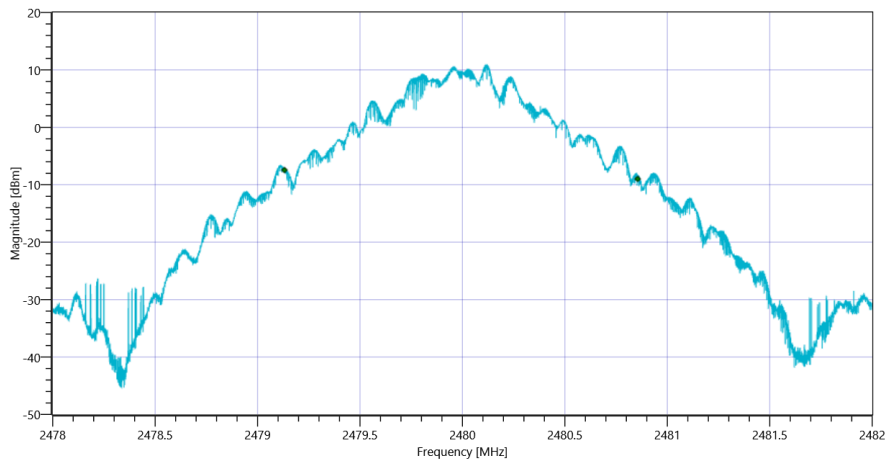
Test at TX 2480 MHz

READ SA SETTINGS:

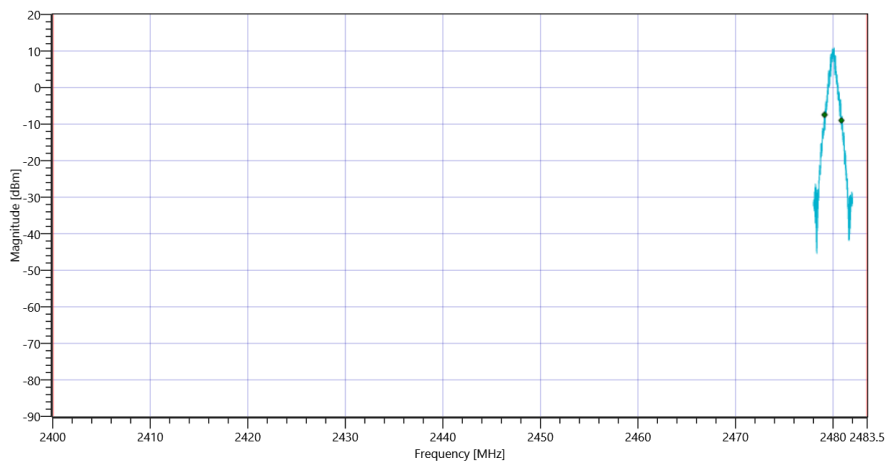
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.22 11 25
Start [MHz] Stop [MHz]	2478.000 2482.000
RBW [MHz] VBW [MHz]	0.050000 0.200000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1723.828	kHz	INFO
T1 99%	2400.000000	---	2479.1313	MHz	PASS
T2 99%	---	2483.500000	2480.8551	MHz	PASS



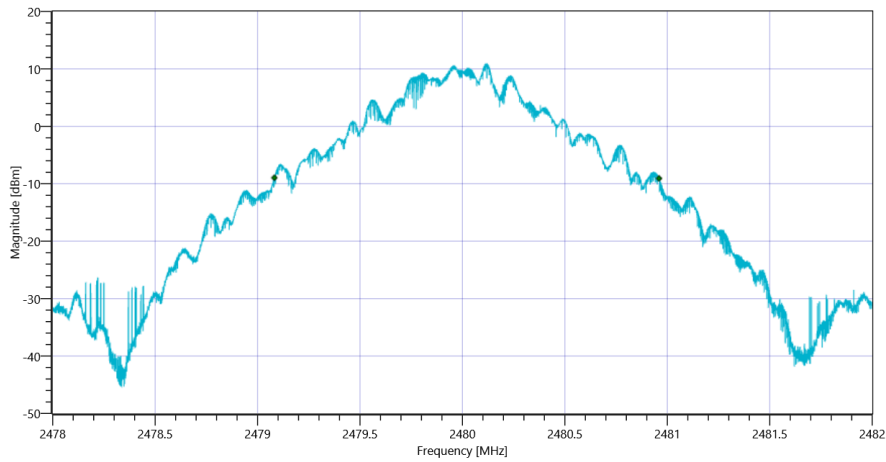
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 99PCT_02032021_115908.png



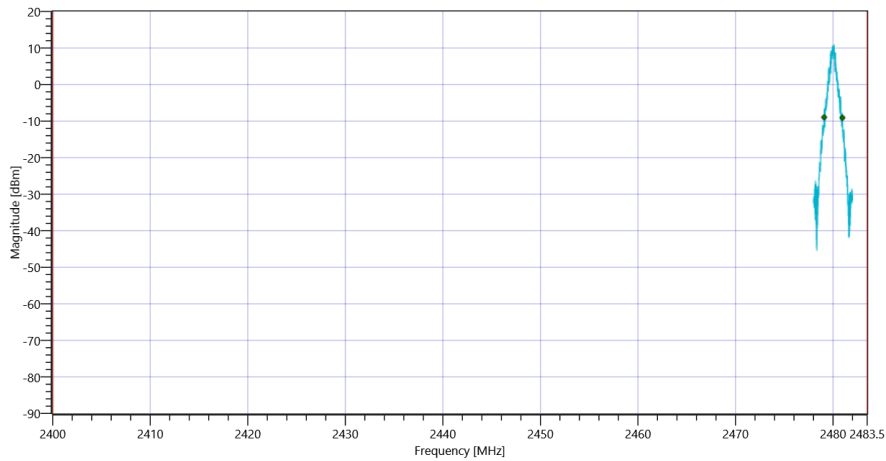
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115915.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1877	kHz	INFO
T1 20DB	2400.000000	---	2479.0820	MHz	PASS
T2 20dB	---	2483.500000	2480.9592	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4 20dB_02032021_115923.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ Generic 2G4_02032021_115931.png

TEST FINISHED

General Verdict

PASS

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