

Measurement Results

1-8684/19-01-03_Annex_MR_A_1

[Test logging](#)

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	FLIR Systems AB
Type	Infrared Camera C8940
Serial No. Setup No.	Sample 894000031 1.0
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-20 20 55
Vlow Vmid Vhigh [V] @Imax [A]	4.5 5.0 5.5
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0.5

IUT Common Settings BT Classic	
Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	-3
Power Class	1
Power Control	Enhanced
Longest Supported Packet Type	DH5
RF Supported	Basic Rate True EDR Pi/4DQPSK True EDR 8DPSK True
Testmode	LOOPback
Perform Inquiry	No
IUT BT Address	0004F3FFFFFC
Signaling BT Address	BABEBEDADBAD
Switch Matrix & Pathcompensation enabled	Yes

1. Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:32:01
System Version	1.0.0.31
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

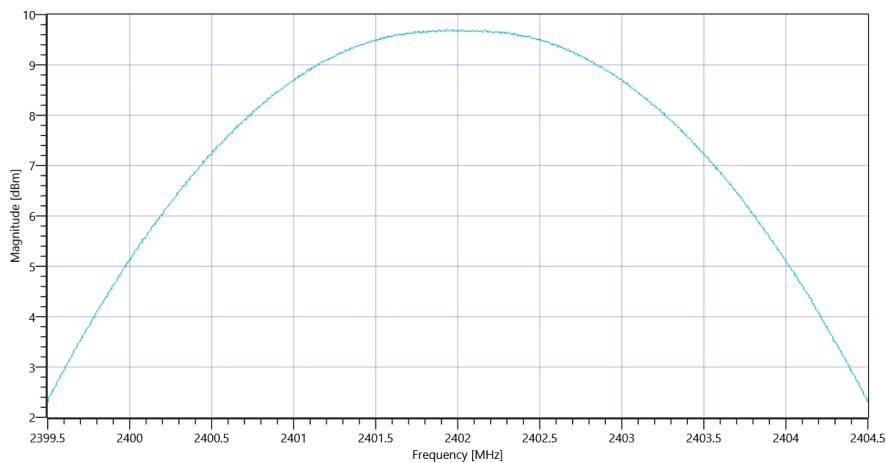
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.58 10.29 25				
Start [MHz] Stop [MHz]	2399.500 2404.500				
RBW [MHz] VBW [MHz]	3.000000 3.000000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE				

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	9.71	dBm	Info
Peak Power	---	---	9.354057	mW	Info
Frequency at Peak	---	---	2401.935	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_27012020_123233.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

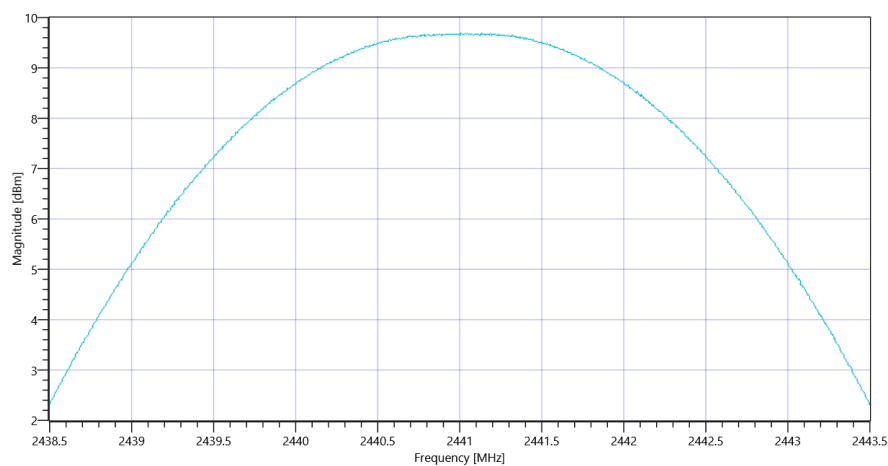
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.52 10.41 25				
Start [MHz] Stop [MHz]	2438.500 2443.500				
RBW [MHz] VBW [MHz]	3.000000 3.000000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE				

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	9.69	dBm	Info
Peak Power	---	---	9.311079	mW	Info
Frequency at Peak	---	---	2441.005	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_27012020_123259.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

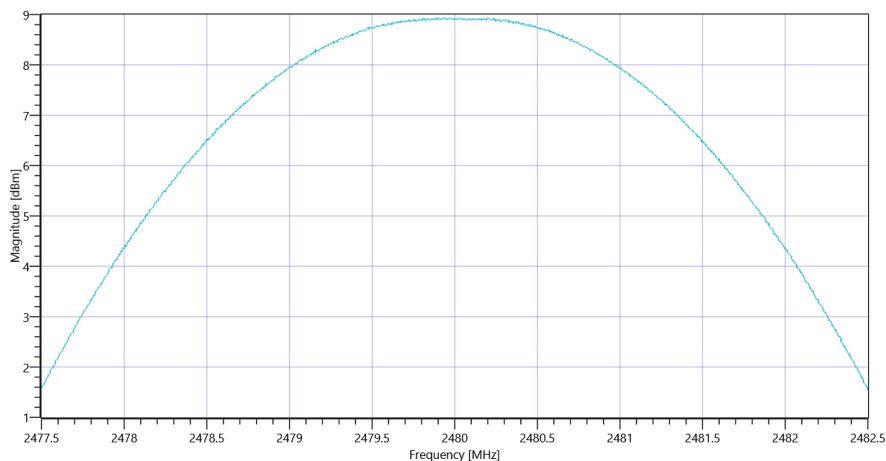
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.71 10.46 25
Start [MHz] Stop [MHz]	2477.500 2482.500
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.93	dBm	Info
Peak Power	---	---	7.816278	mW	Info
Frequency at Peak	---	---	2480.035	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_27012020_123325.png

TEST FINISHED

General Verdict

27.01.2020 12:33:26 / RT: 84 s

PASS

2. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:33:30
System Version	1.0.0.31
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 - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

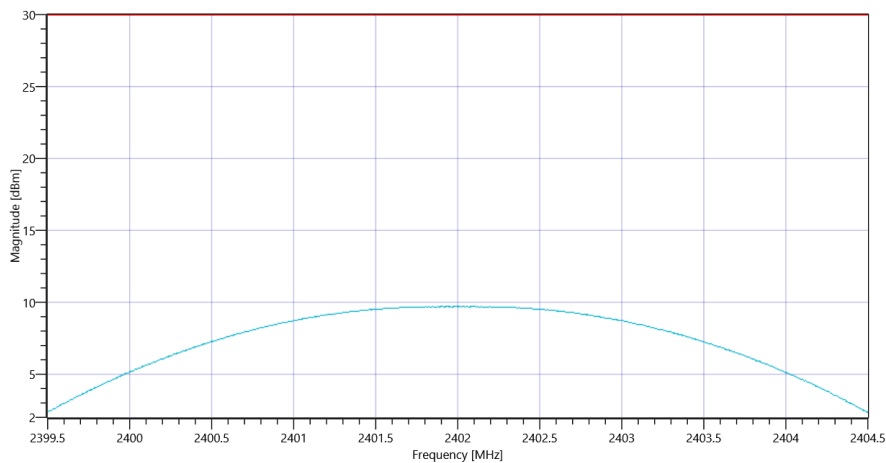
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.60 10.29 25
Start [MHz] Stop [MHz]	2399.500 2404.500
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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	9.71	dBm	PASS
Peak Power	---	1000	9.354057	mW	PASS
Frequency at Peak	---	---	2402.01	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_27012020_123401.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

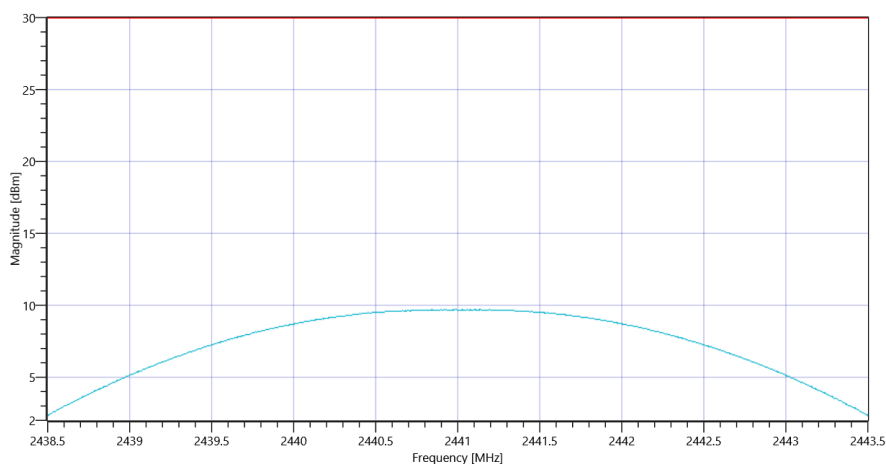
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.54 10.41 25
Start [MHz] Stop [MHz]	2438.500 2443.500
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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	9.7	dBm	PASS
Peak Power	---	1000	9.332543	mW	PASS
Frequency at Peak	---	---	2441.14	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_27012020_123427.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

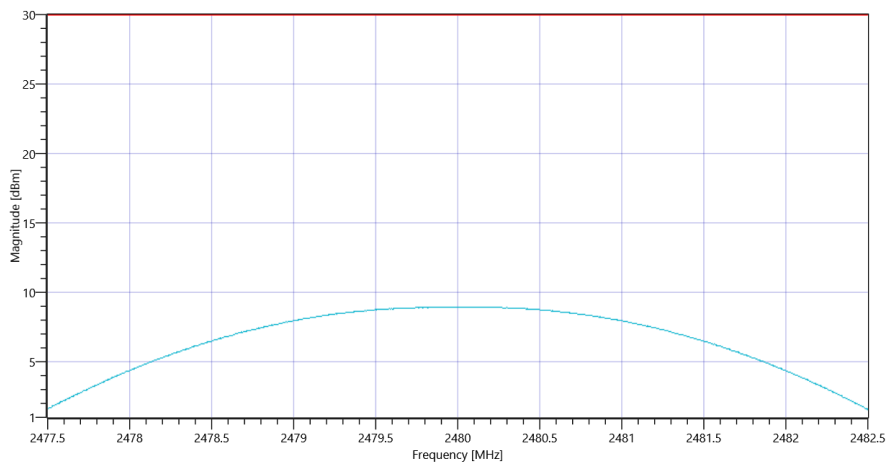
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.73 10.46 25				
Start [MHz] Stop [MHz]	2477.500 2482.500				
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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.95	dBm	PASS
Peak Power	---	1000	7.852356	mW	PASS
Frequency at Peak	---	---	2480.11	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_27012020_123452.png

TEST FINISHED

General Verdict

27.01.2020 12:34:53 / RT: 83 s

PASS

3. FCC Part 15.247 Number Of Hopping Channels FHSS ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:34:57
System Version	1.0.0.31
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Number_of_hopping_channels_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Number Of Hopping Channels FHSS - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2402
Frequency mid to test	False Freq [MHz] 2441
Frequency high to test	False Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

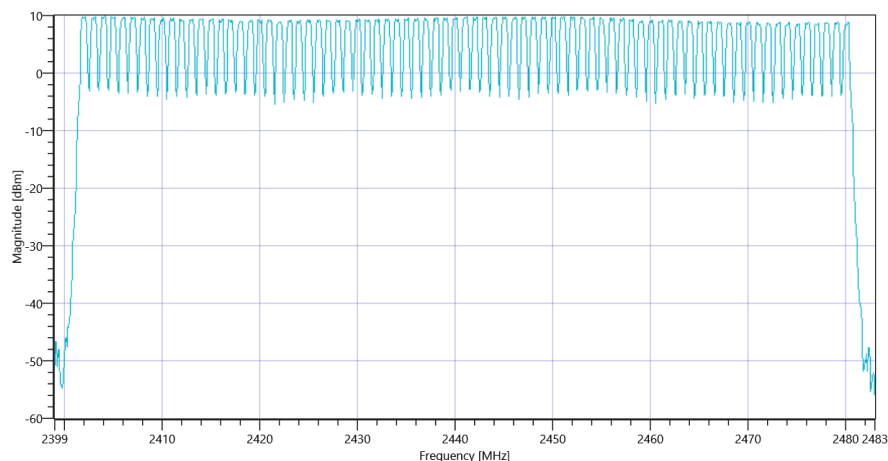
Test at TX hopping MHz

RESULT: BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:					
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]			14.75 10.41 20		
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: TC_VM_FCC15247_Number_of_hopping_channels_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Hopp channel (rounded)	---	---	2402	MHz	Information
Hopp channel (rounded)	---	---	2403	MHz	Information
Hopp channel (rounded)	---	---	2404	MHz	Information
Hopp channel (rounded)	---	---	2405	MHz	Information
Hopp channel (rounded)	---	---	2406	MHz	Information
Hopp channel (rounded)	---	---	2407	MHz	Information
Hopp channel (rounded)	---	---	2408	MHz	Information
Hopp channel (rounded)	---	---	2409	MHz	Information
Hopp channel (rounded)	---	---	2410	MHz	Information
Hopp channel (rounded)	---	---	2411	MHz	Information
Hopp channel (rounded)	---	---	2412	MHz	Information
Hopp channel (rounded)	---	---	2413	MHz	Information
Hopp channel (rounded)	---	---	2414	MHz	Information
Hopp channel (rounded)	---	---	2415	MHz	Information
Hopp channel (rounded)	---	---	2416	MHz	Information
Hopp channel (rounded)	---	---	2417	MHz	Information
Hopp channel (rounded)	---	---	2418	MHz	Information
Hopp channel (rounded)	---	---	2419	MHz	Information
Hopp channel (rounded)	---	---	2420	MHz	Information
Hopp channel (rounded)	---	---	2421	MHz	Information
Hopp channel (rounded)	---	---	2422	MHz	Information
Hopp channel (rounded)	---	---	2423	MHz	Information
Hopp channel (rounded)	---	---	2424	MHz	Information
Hopp channel (rounded)	---	---	2425	MHz	Information
Hopp channel (rounded)	---	---	2426	MHz	Information
Hopp channel (rounded)	---	---	2427	MHz	Information
Hopp channel (rounded)	---	---	2428	MHz	Information
Hopp channel (rounded)	---	---	2429	MHz	Information
Hopp channel (rounded)	---	---	2430	MHz	Information
Hopp channel (rounded)	---	---	2431	MHz	Information
Hopp channel (rounded)	---	---	2432	MHz	Information
Hopp channel (rounded)	---	---	2433	MHz	Information
Hopp channel (rounded)	---	---	2434	MHz	Information
Hopp channel (rounded)	---	---	2435	MHz	Information
Hopp channel (rounded)	---	---	2436	MHz	Information
Hopp channel (rounded)	---	---	2437	MHz	Information
Hopp channel (rounded)	---	---	2438	MHz	Information
Hopp channel (rounded)	---	---	2439	MHz	Information
Hopp channel (rounded)	---	---	2440	MHz	Information
Hopp channel (rounded)	---	---	2441	MHz	Information
Hopp channel (rounded)	---	---	2442	MHz	Information
Hopp channel (rounded)	---	---	2443	MHz	Information

Hopp channel (rounded)	---	---	2444	MHz	Information
Hopp channel (rounded)	---	---	2445	MHz	Information
Hopp channel (rounded)	---	---	2446	MHz	Information
Hopp channel (rounded)	---	---	2447	MHz	Information
Hopp channel (rounded)	---	---	2448	MHz	Information
Hopp channel (rounded)	---	---	2449	MHz	Information
Hopp channel (rounded)	---	---	2450	MHz	Information
Hopp channel (rounded)	---	---	2451	MHz	Information
Hopp channel (rounded)	---	---	2452	MHz	Information
Hopp channel (rounded)	---	---	2453	MHz	Information
Hopp channel (rounded)	---	---	2454	MHz	Information
Hopp channel (rounded)	---	---	2455	MHz	Information
Hopp channel (rounded)	---	---	2456	MHz	Information
Hopp channel (rounded)	---	---	2457	MHz	Information
Hopp channel (rounded)	---	---	2458	MHz	Information
Hopp channel (rounded)	---	---	2459	MHz	Information
Hopp channel (rounded)	---	---	2460	MHz	Information
Hopp channel (rounded)	---	---	2461	MHz	Information
Hopp channel (rounded)	---	---	2462	MHz	Information
Hopp channel (rounded)	---	---	2463	MHz	Information
Hopp channel (rounded)	---	---	2464	MHz	Information
Hopp channel (rounded)	---	---	2465	MHz	Information
Hopp channel (rounded)	---	---	2466	MHz	Information
Hopp channel (rounded)	---	---	2467	MHz	Information
Hopp channel (rounded)	---	---	2468	MHz	Information
Hopp channel (rounded)	---	---	2469	MHz	Information
Hopp channel (rounded)	---	---	2470	MHz	Information
Hopp channel (rounded)	---	---	2471	MHz	Information
Hopp channel (rounded)	---	---	2472	MHz	Information
Hopp channel (rounded)	---	---	2473	MHz	Information
Hopp channel (rounded)	---	---	2474	MHz	Information
Hopp channel (rounded)	---	---	2475	MHz	Information
Hopp channel (rounded)	---	---	2476	MHz	Information
Hopp channel (rounded)	---	---	2477	MHz	Information
Hopp channel (rounded)	---	---	2478	MHz	Information
Hopp channel (rounded)	---	---	2479	MHz	Information
Hopp channel (rounded)	---	---	2480	MHz	Information
Σ Hopping channels	15	---	79	Number	PASS



Plot_FCC Part 15.247 Number Of Hopping Channels FHSS ~ BT Classic Basic rate_27012020_123542.png

TEST FINISHED

General Verdict

27.01.2020 12:35:43 / RT: 45 s

PASS

4. FCC Part 15.247 Carrier Frequency Separation FHSS ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:35:47
System Version	1.0.0.31
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version	TC_VM_FCC15247_Carrier_Frequency_Separation_FHSS_V01 Version: 0.0.1
My Description	FCC 15.247 Carrier Frequency Separation FHSS - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2402
Frequency mid to test	False Freq [MHz] 2441
Frequency high to test	False Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX hopping MHz

RESULT: BT Classic Connection check

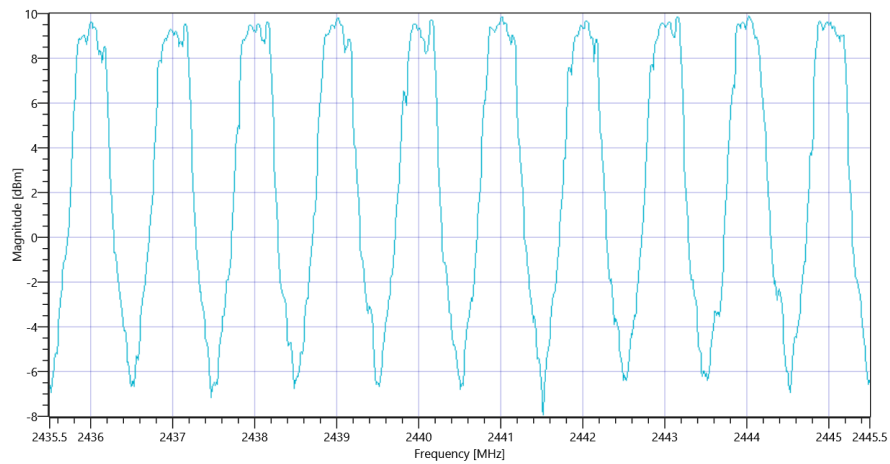
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.75 10.41 20				
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: TC_VM_FCC15247_Carrier_Frequency_Separation_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
1 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
1 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
2 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
2 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
3 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
3 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
4 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
4 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
5 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
5 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
6 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
6 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
7 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
7 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
8 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
8 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
9 CFS n to n+1 (rnd)	0.025	---	1	MHz	PASS
9 CFS n to n+1 (rnd)	0.667 (2/3 Nom.BW)	---	1	MHz	PASS
Carrier Freq. (rnd)	---	---	2436	MHz	Information
Carrier Freq. (rnd)	---	---	2437	MHz	Information
Carrier Freq. (rnd)	---	---	2438	MHz	Information
Carrier Freq. (rnd)	---	---	2439	MHz	Information
Carrier Freq. (rnd)	---	---	2440	MHz	Information
Carrier Freq. (rnd)	---	---	2441	MHz	Information
Carrier Freq. (rnd)	---	---	2442	MHz	Information
Carrier Freq. (rnd)	---	---	2443	MHz	Information
Carrier Freq. (rnd)	---	---	2444	MHz	Information
Carrier Freq. (rnd)	---	---	2445	MHz	Information



Plot_FCC Part 15.247 Carrier Frequency Separation FHSS ~ BT Classic Basic rate_27012020_123745.png

TEST FINISHED

General Verdict

27.01.2020 12:37:45 / RT: 117 s

PASS

5. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:37:49
System Version	1.0.0.31
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 - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

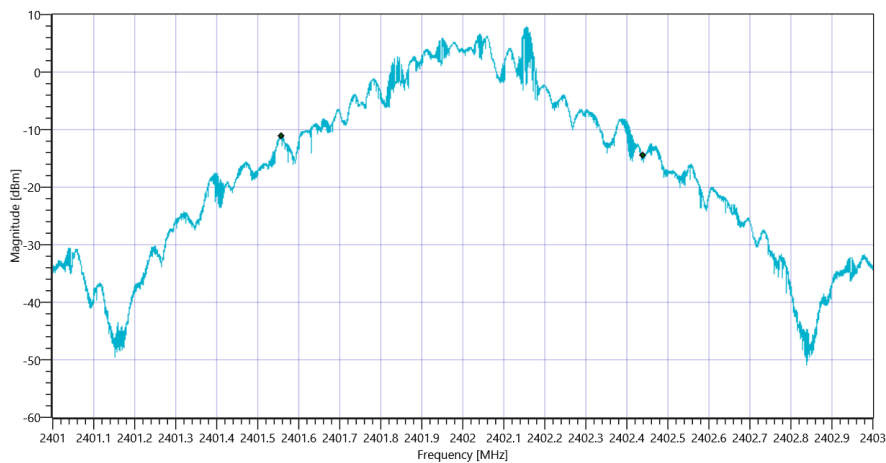
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

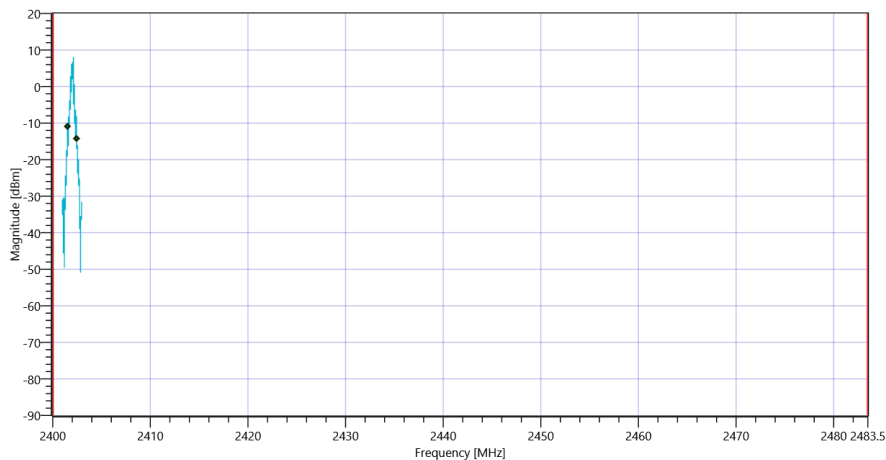
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.61 10.29 20
Start [MHz] Stop [MHz]	2401.000 2403.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	883	kHz	Information
T1 99%	2400.000000	---	2401.5576	MHz	PASS
T2 99%	---	2483.500000	2402.4406	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_27012020_123822.png

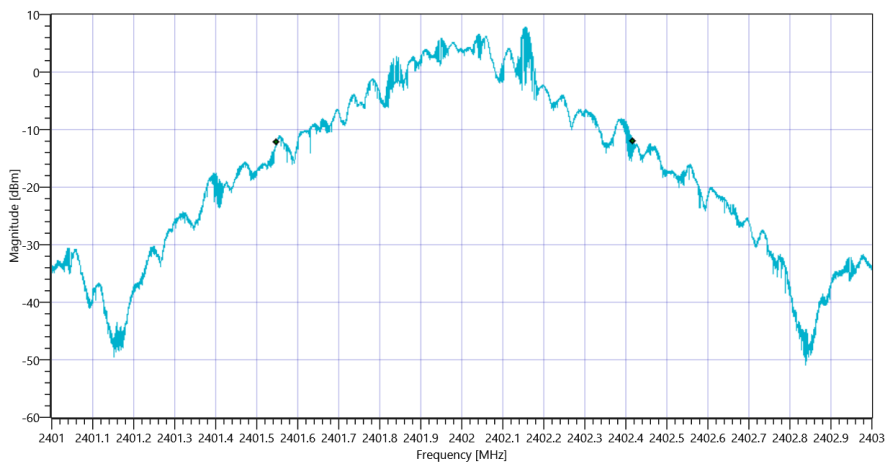


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123826.png

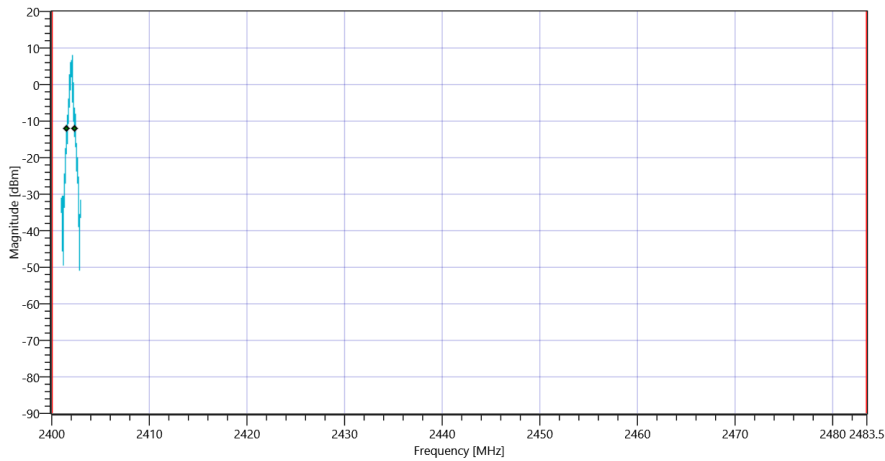
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	868	kHz	Information
T1 20DB	2400.000000	---	2401.5480	MHz	PASS

T2 20dB	---	2483.500000	2402.4164	MHz	PASS
---------	-----	-------------	-----------	-----	------



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27012020_123830.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123834.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

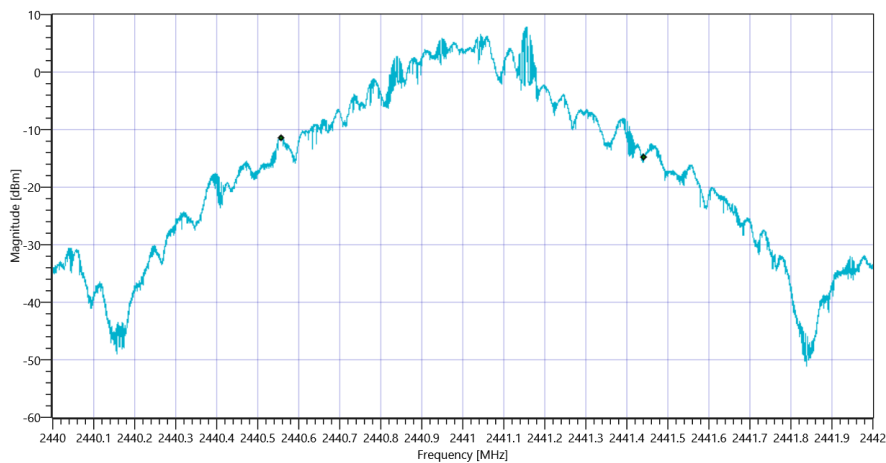
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

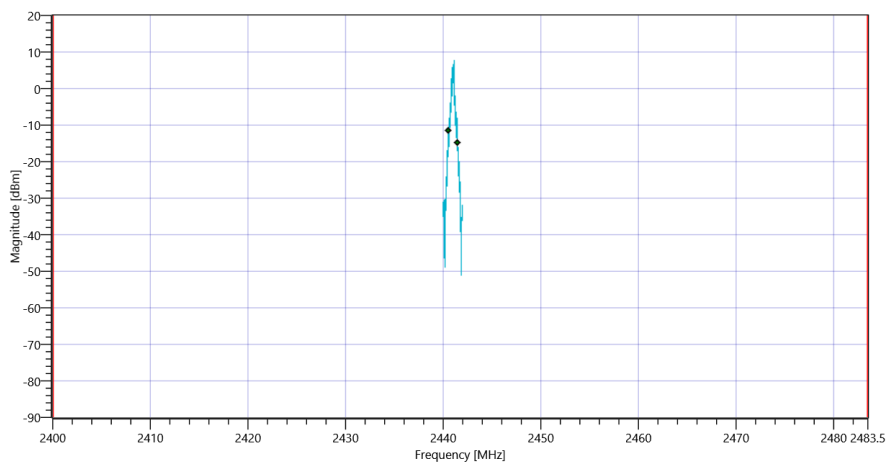
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.56 10.41 20				
Start [MHz] Stop [MHz]	2440.000 2442.000				
RBW [MHz] VBW [MHz]	0.020000 0.050000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	884	kHz	Information
T1 99%	2400.000000	---	2440.5584	MHz	PASS
T2 99%	---	2483.500000	2441.4424	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_27012020_123902.png

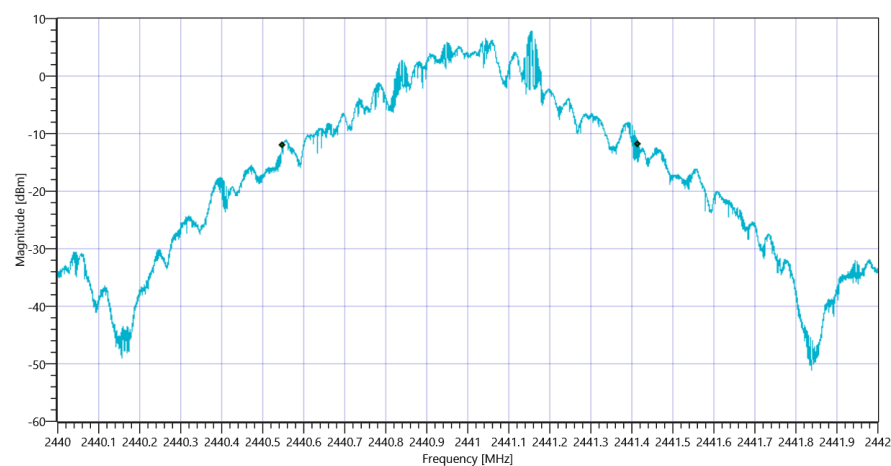


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123906.png

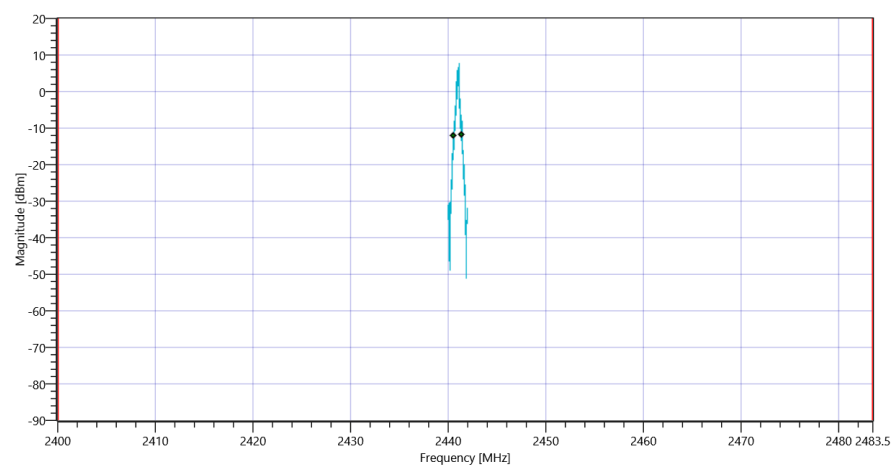
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	866	kHz	Information
T1 20DB	2400.000000	---	2440.5488	MHz	PASS

T2 20dB --- 2483.500000 2441.4150 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27012020_123911.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123915.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

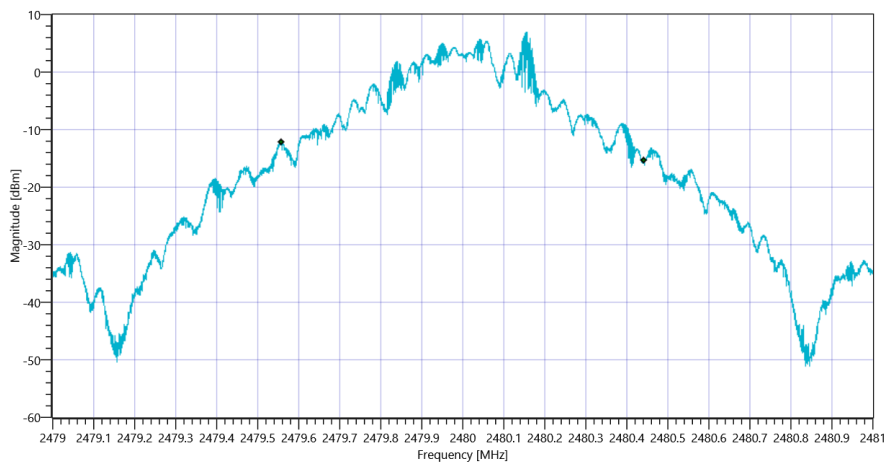
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

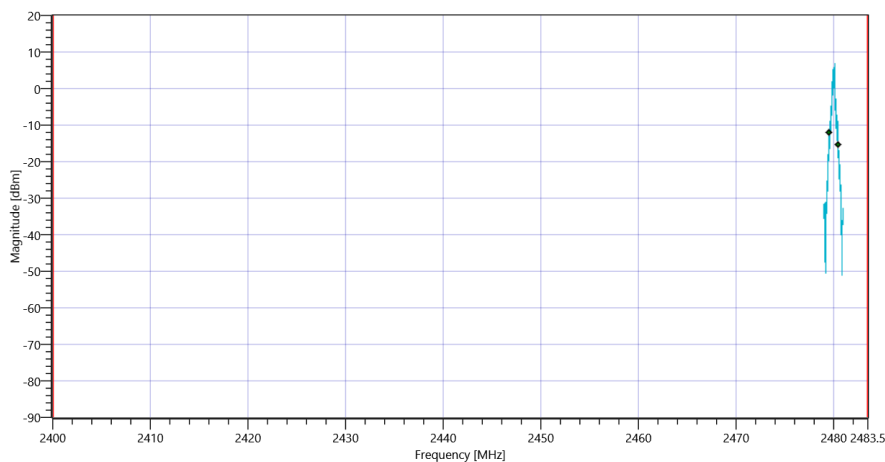
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.74 10.46 20				
Start [MHz] Stop [MHz]	2479.000 2481.000				
RBW [MHz] VBW [MHz]	0.020000 0.050000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	884	kHz	Information
T1 99%	2400.000000	---	2479.5582	MHz	PASS
T2 99%	---	2483.500000	2480.4418	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_99PCT_27012020_123943.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123947.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	869	kHz	Information
T1 20DB	2400.000000	---	2479.5490	MHz	PASS

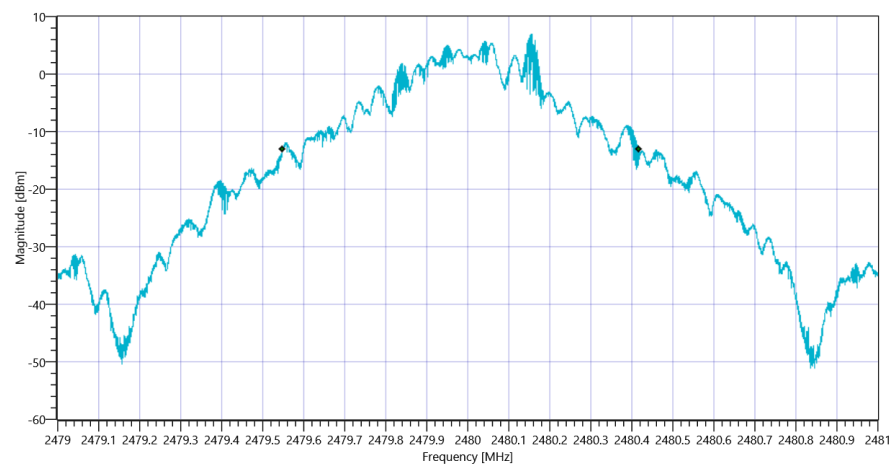
T2 20dB

2483.500000

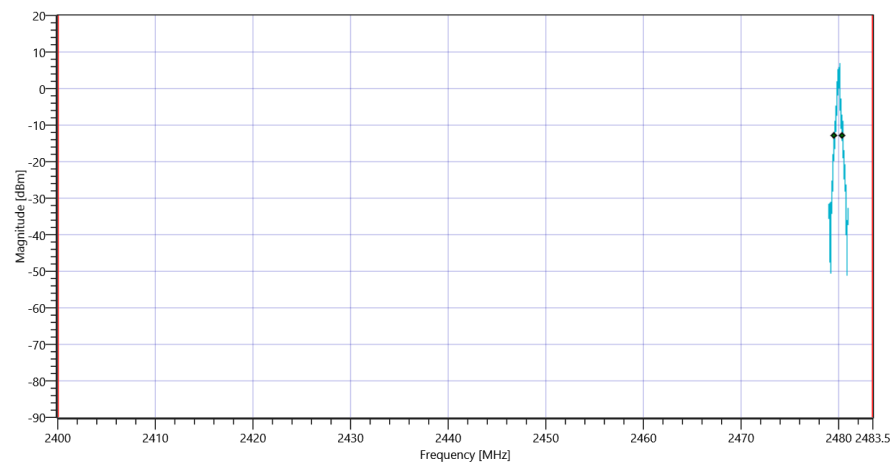
2480.4176

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27012020_123953.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27012020_123957.png

TEST FINISHED

General Verdict

27.01.2020 12:39:58 / RT: 128 s

PASS

6. FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate

Test References	
TC Start	27.01.2020 12:40:03
System Version	1.0.0.31
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 - BT Classic Basic Rate
Add. Information	

Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

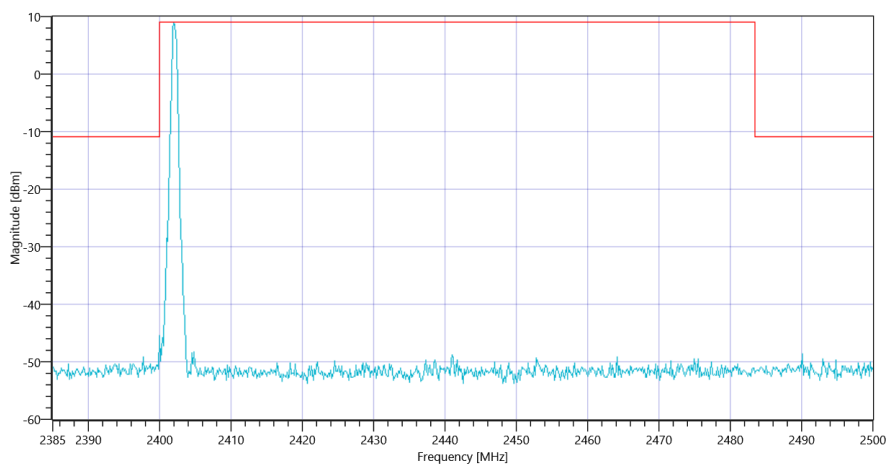
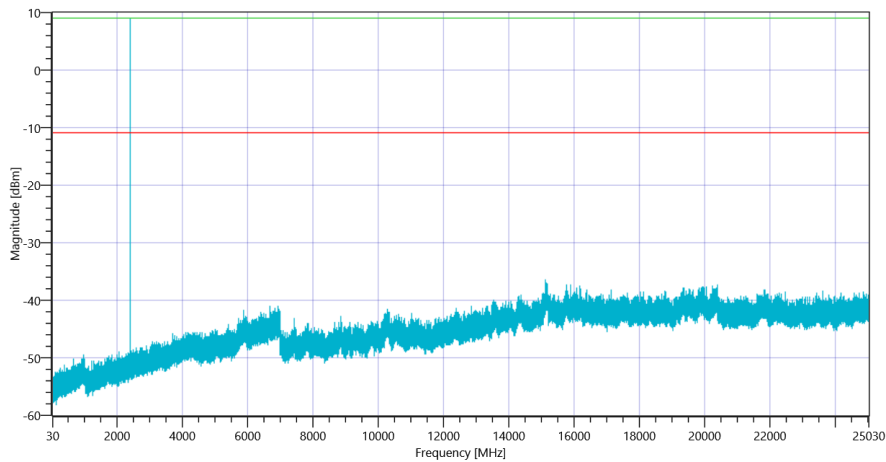
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.82 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	500 8 3001 SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	---	---	9.05	dBm	Information
No peaks detected	---	---			PASS



Test at TX 2441 MHz

RESULT: BT Classic Connection check

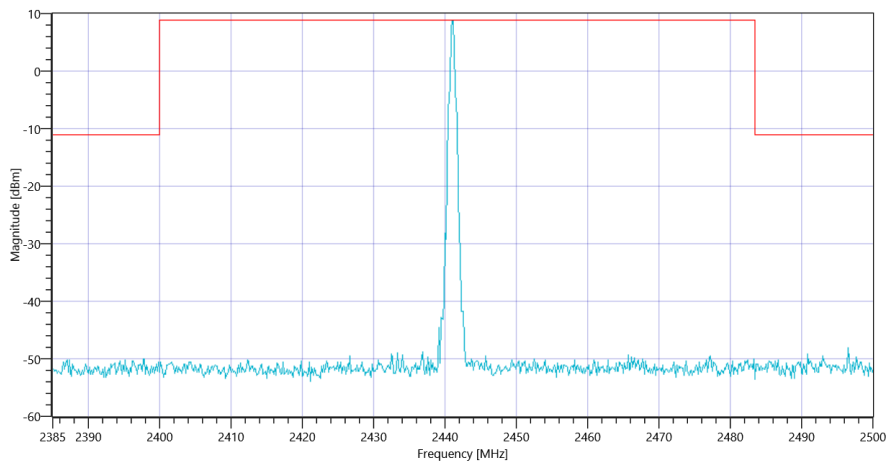
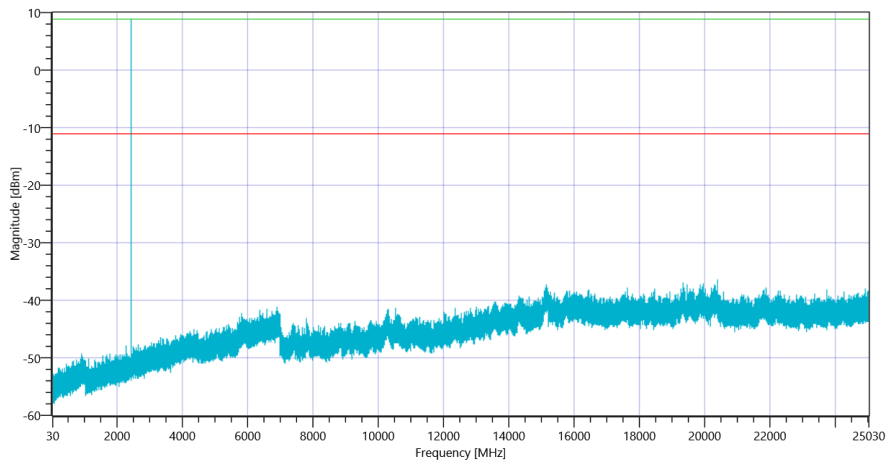
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.79 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	500 8 3001 SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz	---	---	8.86	dBm	Information
No peaks detected	---	---			PASS



Test at TX 2480 MHz

RESULT: BT Classic Connection check

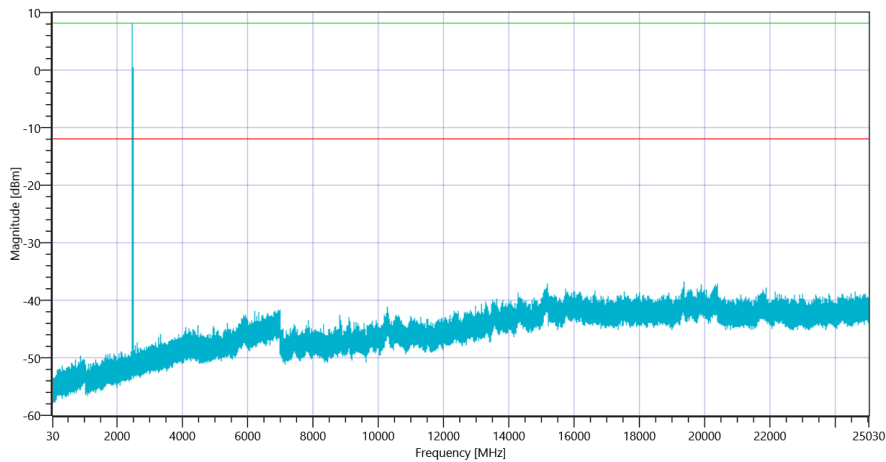
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

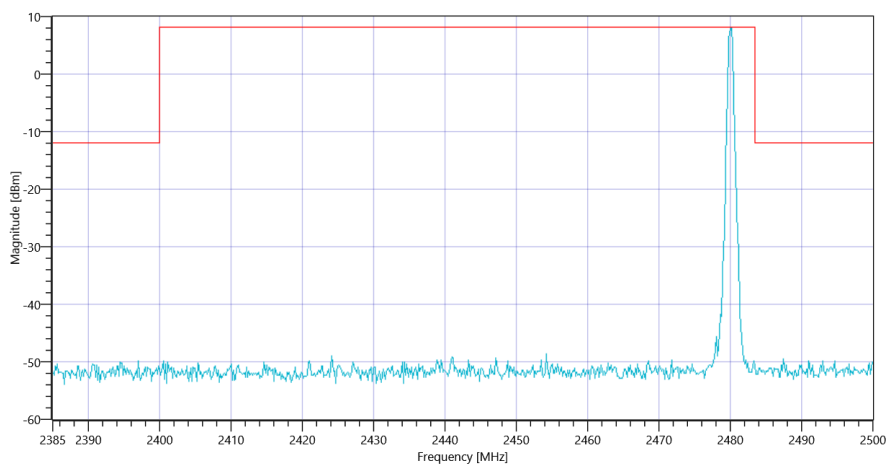
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.92 0 30				
Start [MHz] Stop [MHz]	24530.000 25030.000				
RBW [MHz] VBW [MHz]	0.100000 0.300000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE				

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz	---	---	8.06	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2480_27012020_125430.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2480_27012020_125433.png

TEST FINISHED

General Verdict	27.01.2020 12:54:35 / RT: 871 s	PASS
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7. Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	27.01.2020 12:54:39
System Version	1.0.0.31
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic EDR Pi/4DQPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

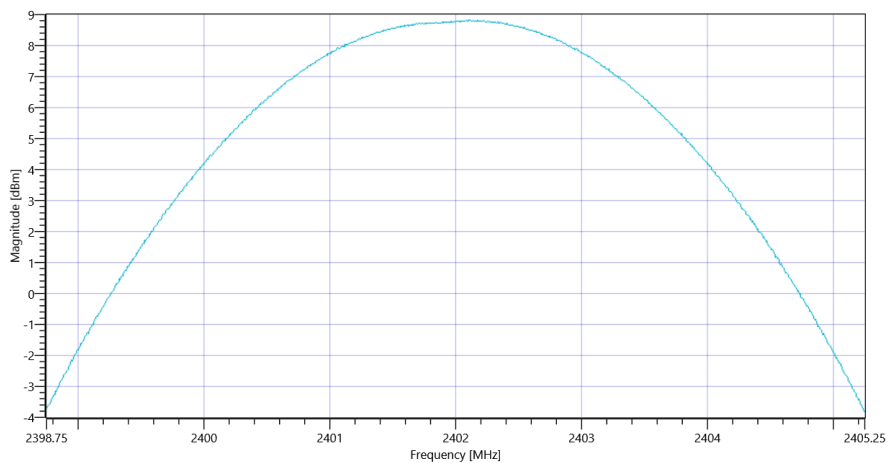
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.72 10.29 25
Start [MHz] Stop [MHz]	2398.750 2405.250
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.82	dBm	Info
Peak Power	---	---	7.62079	mW	Info
Frequency at Peak	---	---	2402.097	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR Pi-4DQPSK_27012020_125511.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

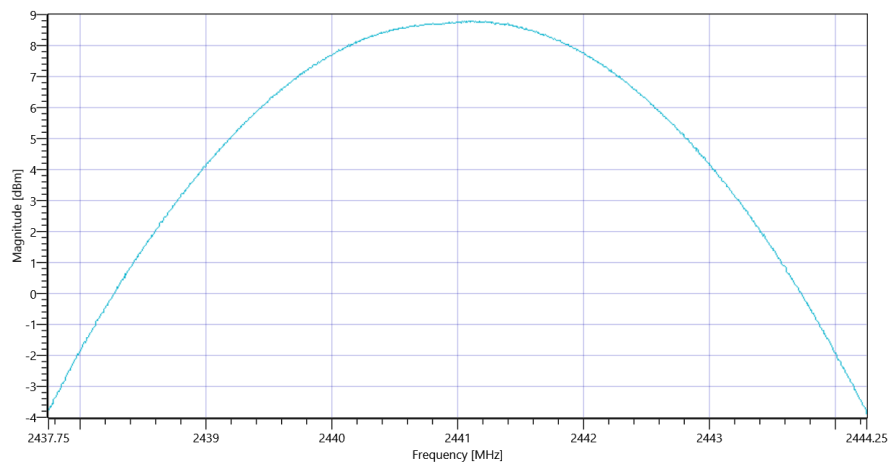
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.70 10.41 25
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.79	dBm	Info
Peak Power	---	---	7.568329	mW	Info
Frequency at Peak	---	---	2441.11	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR Pi-4DQPSK_27012020_125537.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

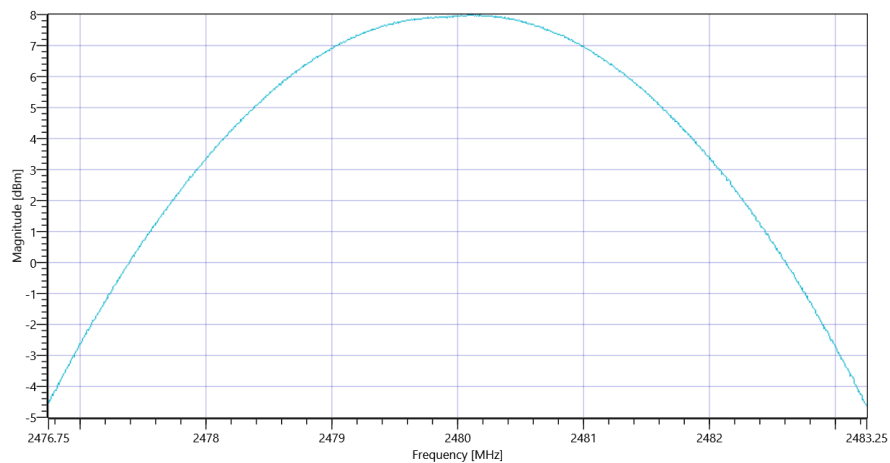
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.85 10.46 25
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	7.99	dBm	Info
Peak Power	---	---	6.295062	mW	Info
Frequency at Peak	---	---	2480.084	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR Pi-4DQPSK_27012020_125604.png

TEST FINISHED

General Verdict

27.01.2020 12:56:04 / RT: 84 s

PASS

8. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	27.01.2020 12:56:08
System Version	1.0.0.31
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 - BT Classic EDR Pi/4DQPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

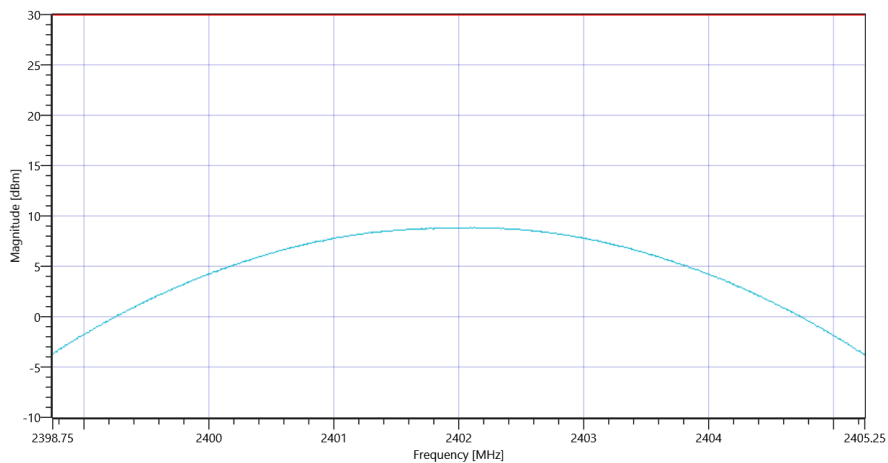
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.52 10.29 25
Start [MHz] Stop [MHz]	2398.750 2405.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.85	dBm	PASS
Peak Power	---	1000	7.673615	mW	PASS
Frequency at Peak	---	---	2402.123	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_27012020_125642.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

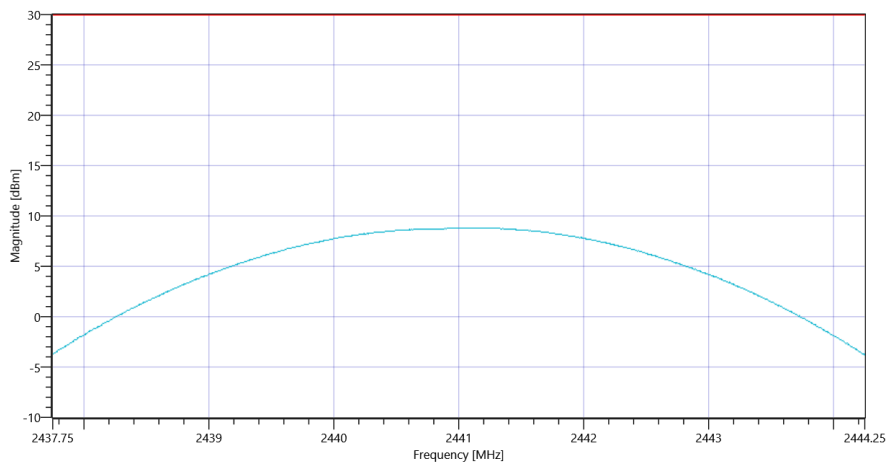
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.53 10.41 25
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.82	dBm	PASS
Peak Power	---	1000	7.62079	mW	PASS
Frequency at Peak	---	---	2441.026	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_27012020_125708.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

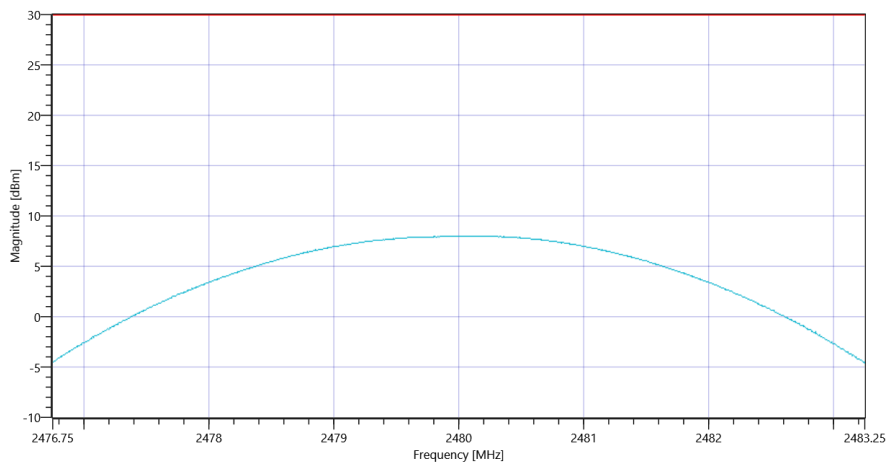
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.71 10.46 25
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.03	dBm	PASS
Peak Power	---	1000	6.353309	mW	PASS
Frequency at Peak	---	---	2480.02	MHz	Information



TEST FINISHED

General Verdict

27.01.2020 12:57:34 / RT: 85 s

PASS

9. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	27.01.2020 12:57:39
System Version	1.0.0.31
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 - BT Classic EDR Pi/4DQPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

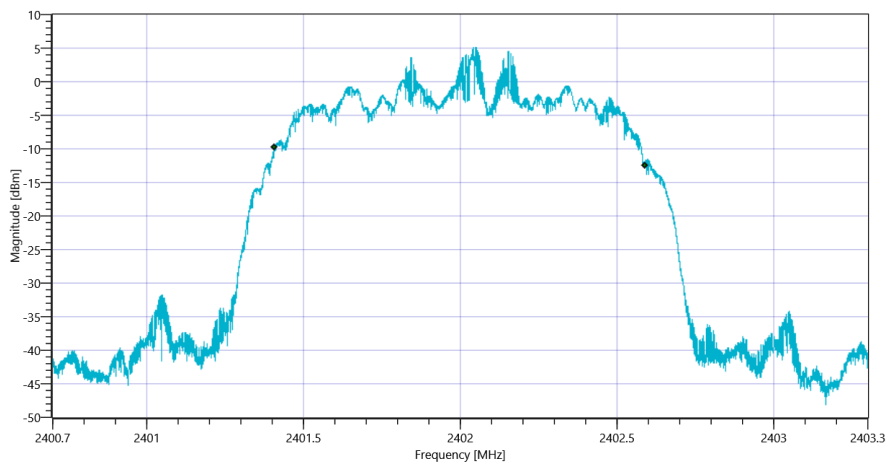
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

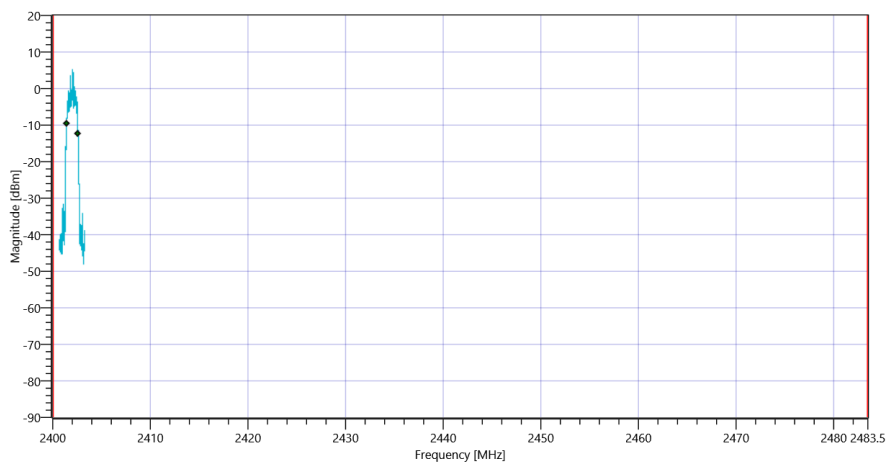
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.73 10.29 20				
Start [MHz] Stop [MHz]	2400.700 2403.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1181	kHz	Information
T1 99%	2400.000000	---	2401.4088	MHz	PASS
T2 99%	---	2483.500000	2402.5894	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125811.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125815.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1278	kHz	Information
T1 20DB	2400.000000	---	2401.3703	MHz	PASS

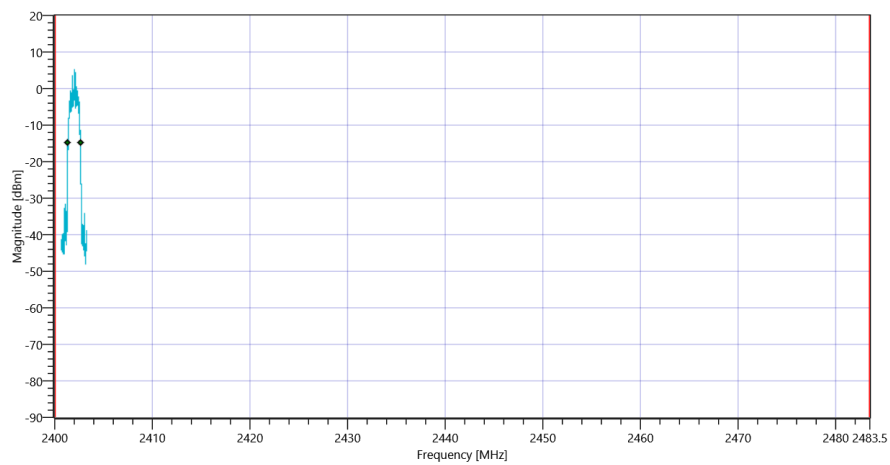
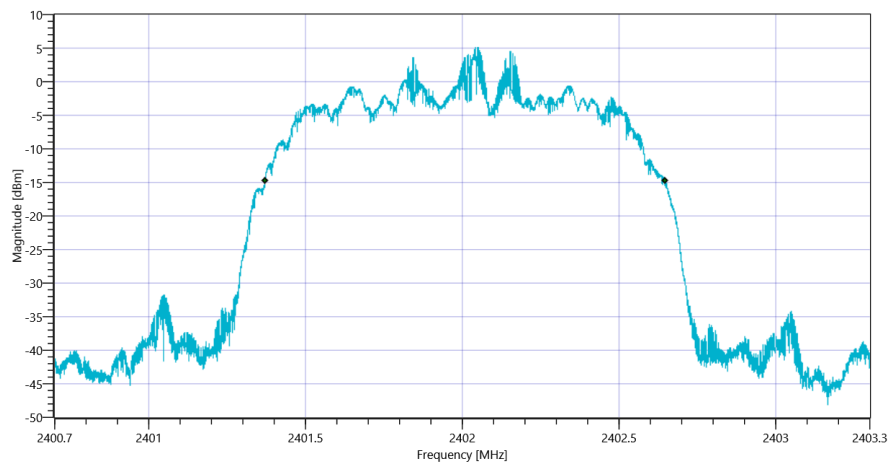
T2 20dB

2483.500000

2402.6482

MHz

PASS



Test at TX 2441 MHz

RESULT: BT Classic Connection check

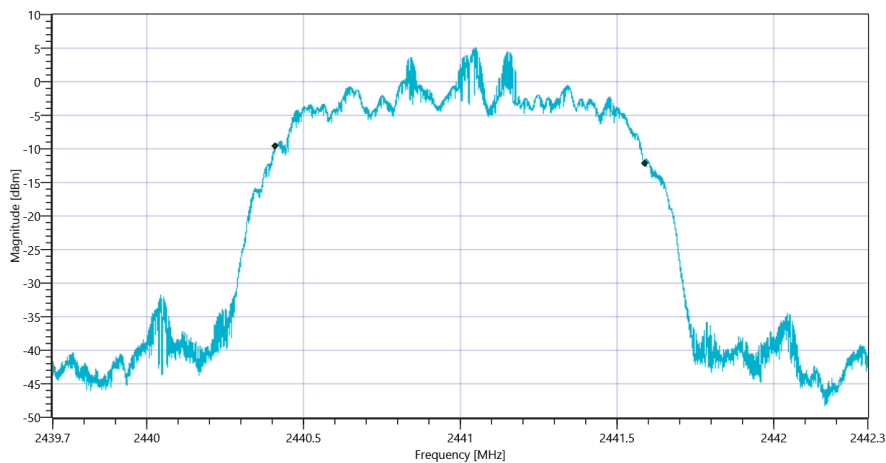
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

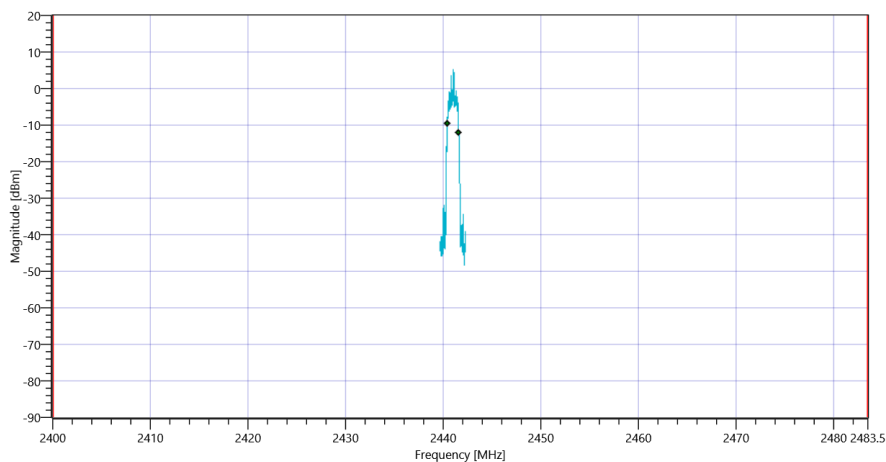
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.82 10.41 20				
Start [MHz] Stop [MHz]	2439.700 2442.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1178	kHz	Information
T1 99%	2400.000000	---	2440.4099	MHz	PASS
T2 99%	---	2483.500000	2441.5883	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125851.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125855.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1279	kHz	Information
T1 20DB	2400.000000	---	2440.3703	MHz	PASS

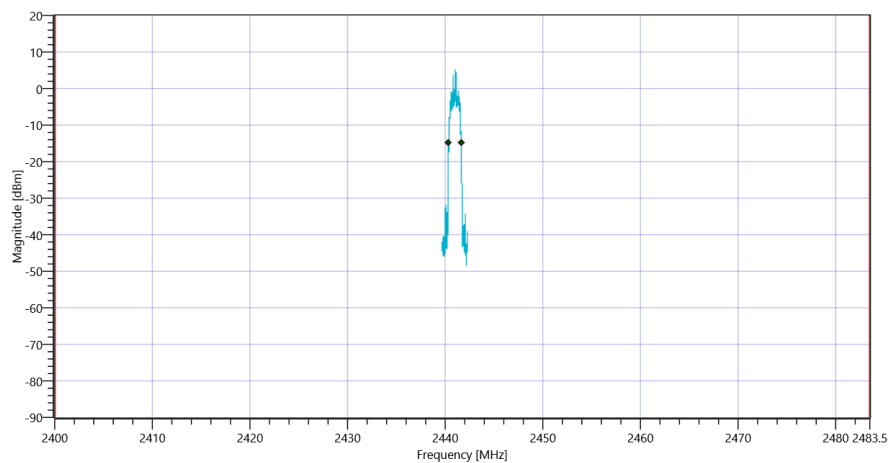
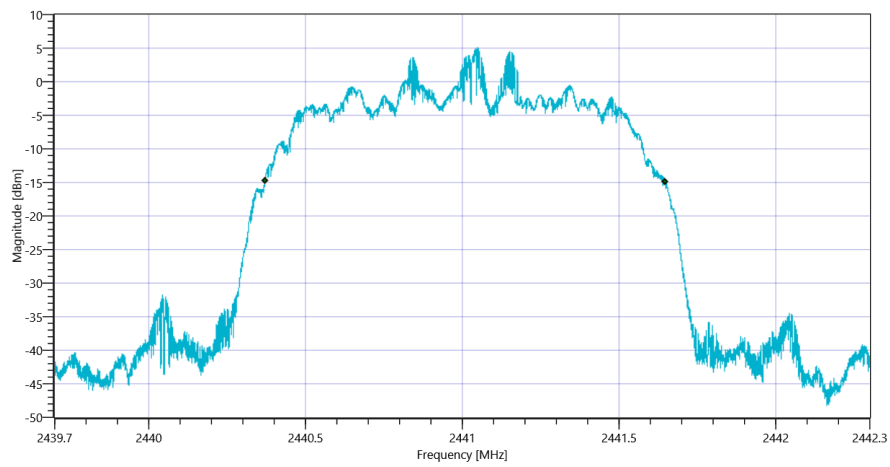
T2 20dB

2483.500000

2441.6490

MHz

PASS



Test at TX 2480 MHz

RESULT: BT Classic Connection check

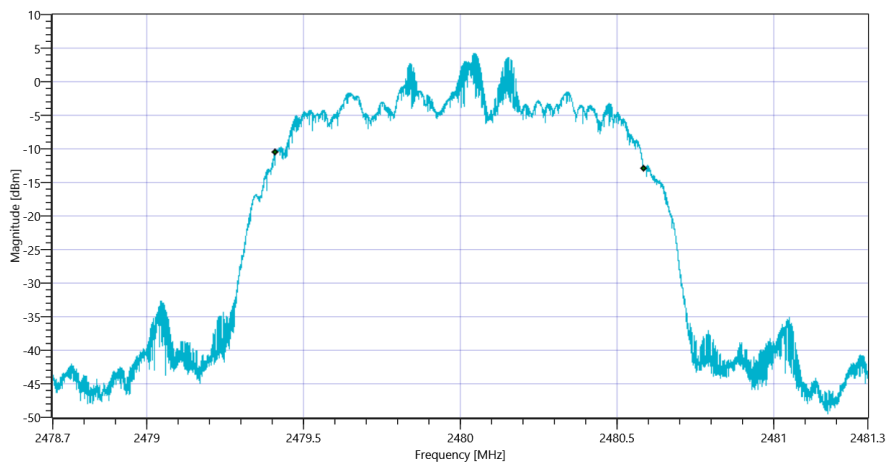
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

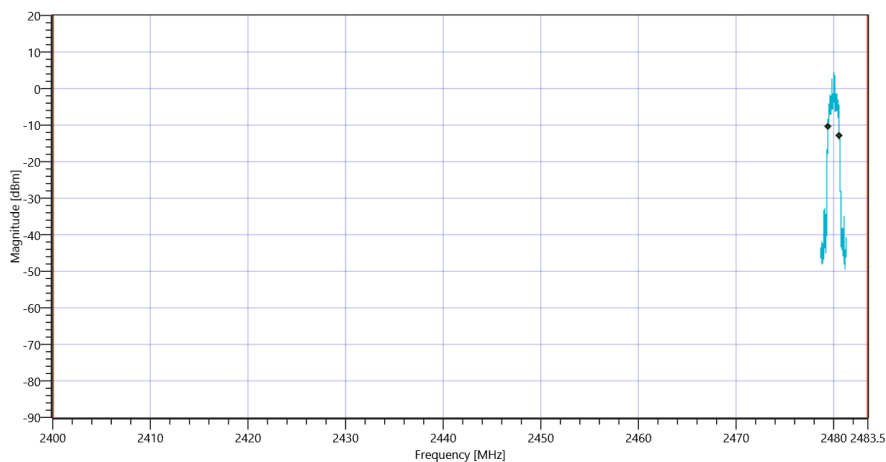
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.69 10.46 20				
Start [MHz] Stop [MHz]	2478.700 2481.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1177	kHz	Information
T1 99%	2400.000000	---	2479.4104	MHz	PASS
T2 99%	---	2483.500000	2480.5875	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_27012020_125933.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125936.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1279	kHz	Information
T1 20DB	2400.000000	---	2479.3705	MHz	PASS

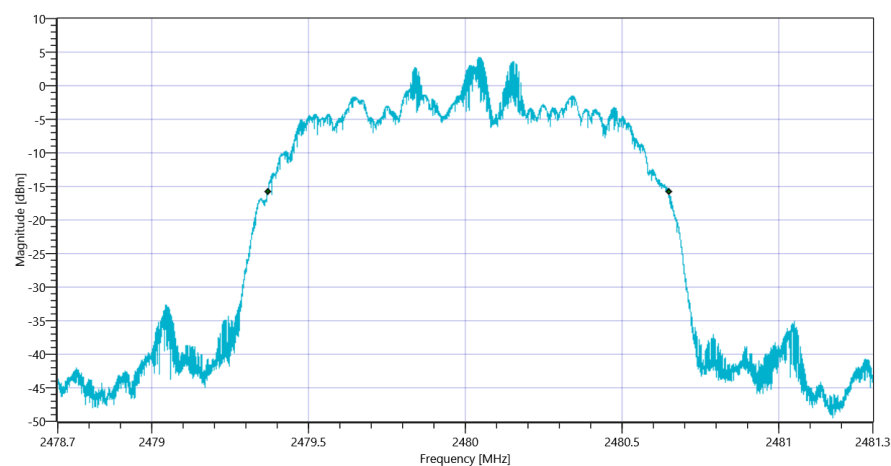
T2 20dB

2483.500000

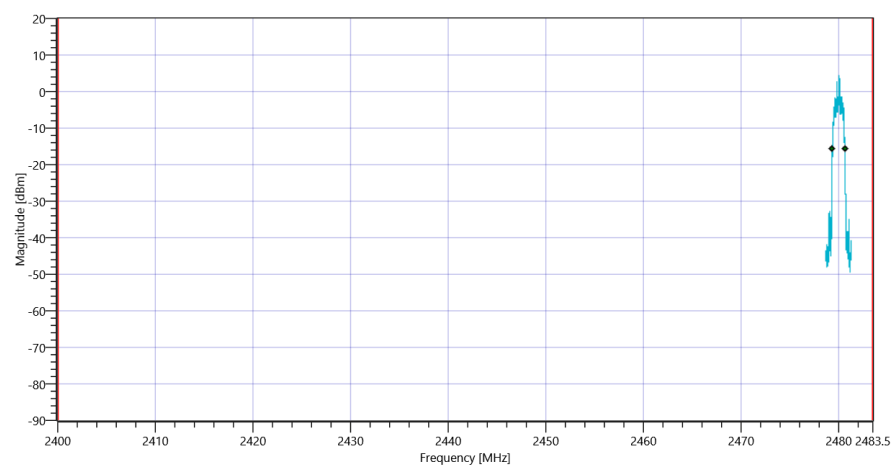
2480.6492

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_27012020_125942.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27012020_125947.png

TEST FINISHED

General Verdict

27.01.2020 12:59:47 / RT: 128 s

PASS

10. FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	27.01.2020 12:59:52
System Version	1.0.0.31
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 - BT Classic EDR Pi/4DQPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

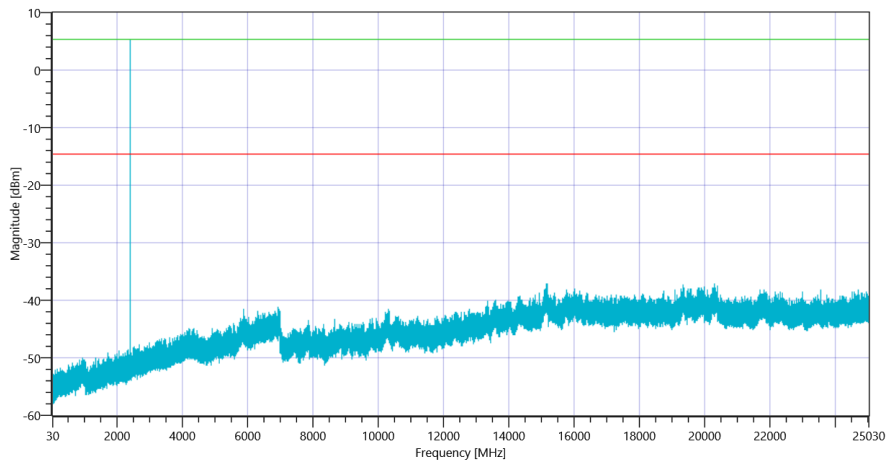
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

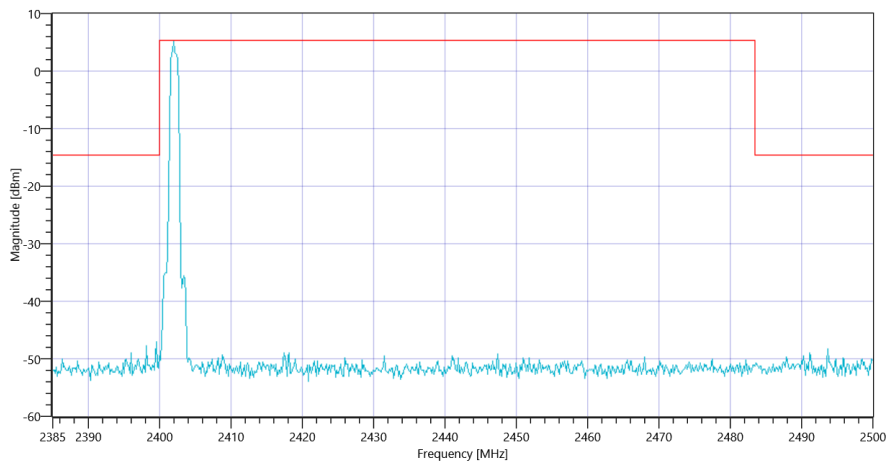
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.87 0 30
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	---	---	5.41	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4QPSK 2402_27012020_130442.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4QPSK 2402_27012020_130445.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

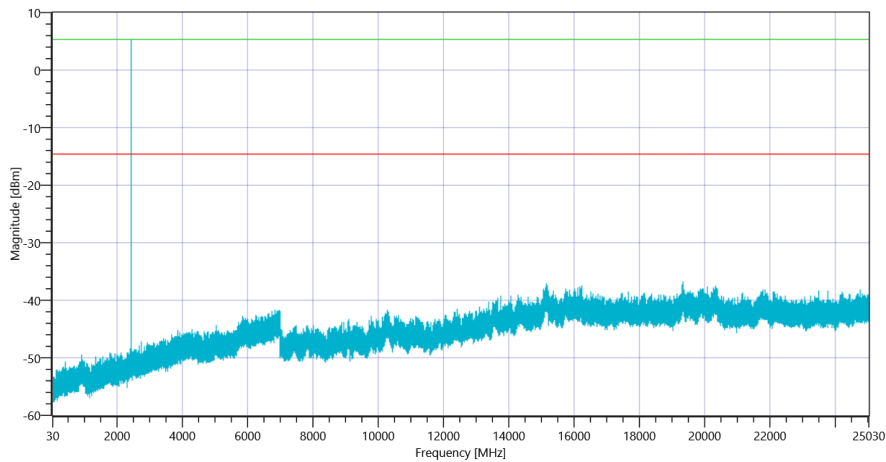
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

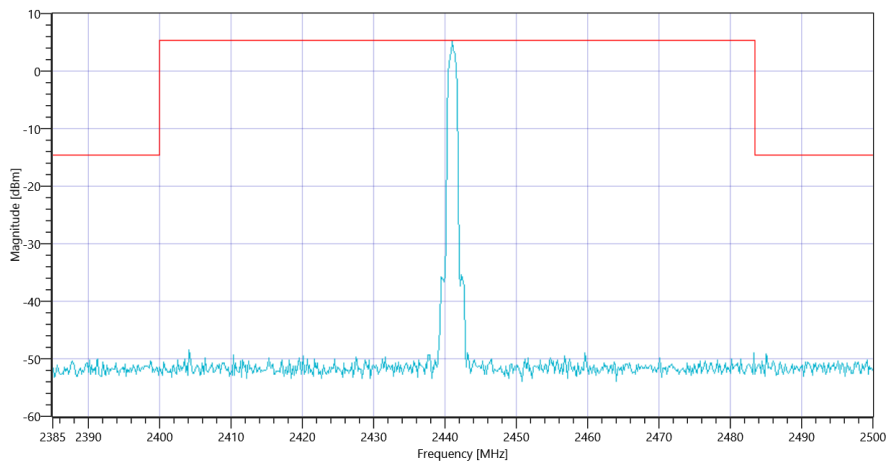
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.83 0 30
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz	---	---	5.34	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4QPSK 2441_27012020_130931.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4QPSK 2441_27012020_130933.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

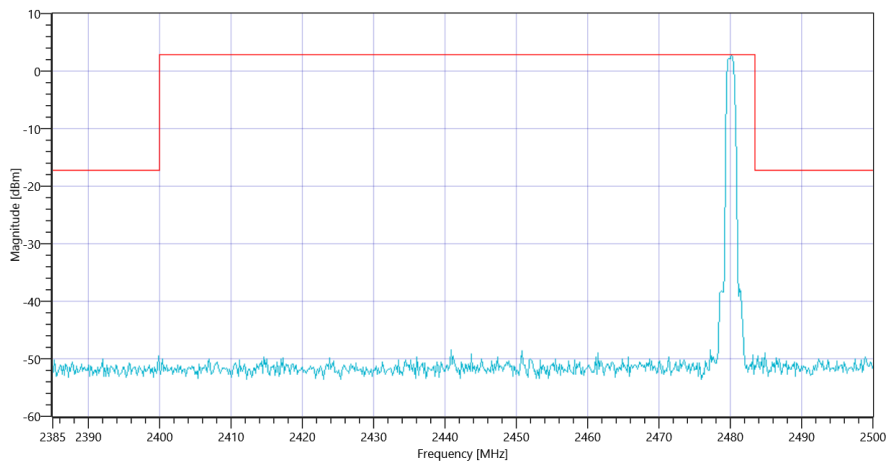
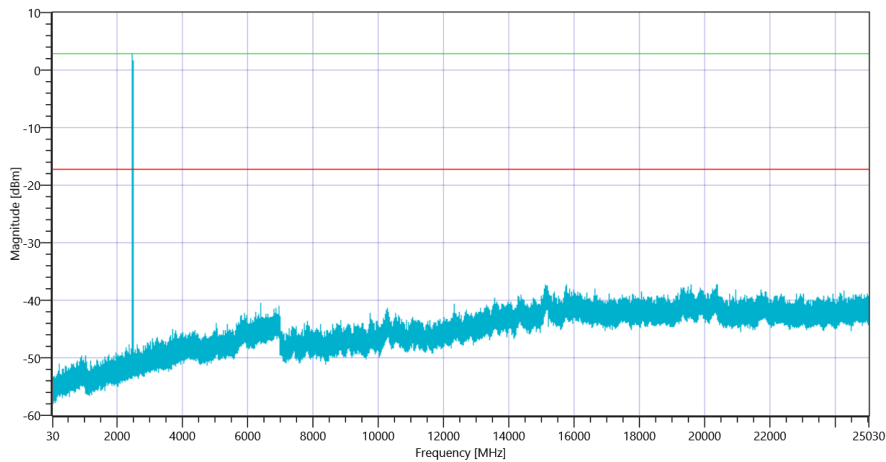
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.89 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	500 8 3001 SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz	---	---	2.77	dBm	Information
No peaks detected	---	---			PASS



TEST FINISHED

General Verdict 27.01.2020 13:14:24 / RT: 871 s

PASS

11. Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR 8DPSK

Test References	
TC Start	27.01.2020 13:14:29
System Version	1.0.0.31
Test Specification	None
Test Method	
Class / TC Version	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic EDR 8DPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

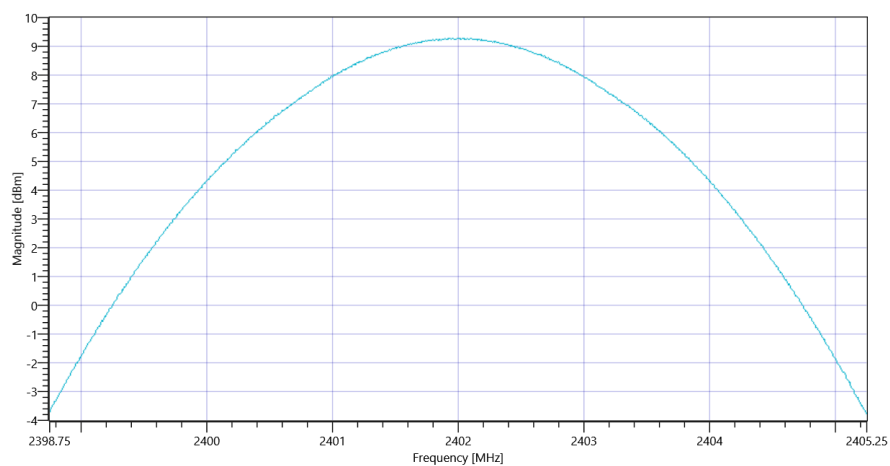
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.07 10.29 25				
Start [MHz] Stop [MHz]	2398.750 2405.250				
RBW [MHz] VBW [MHz]	3.000000 3.000000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE				

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	9.28	dBm	Info
Peak Power	---	---	8.472274	mW	Info
Frequency at Peak	---	---	2402.046	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR 8DPSK_27012020_131501.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

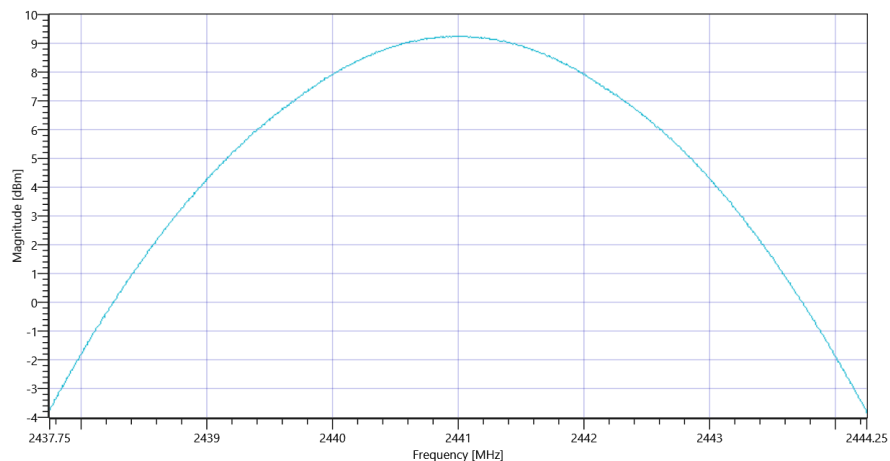
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.06 10.41 25
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	9.26	dBm	Info
Peak Power	---	---	8.433348	mW	Info
Frequency at Peak	---	---	2441	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR 8DPSK_27012020_131527.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

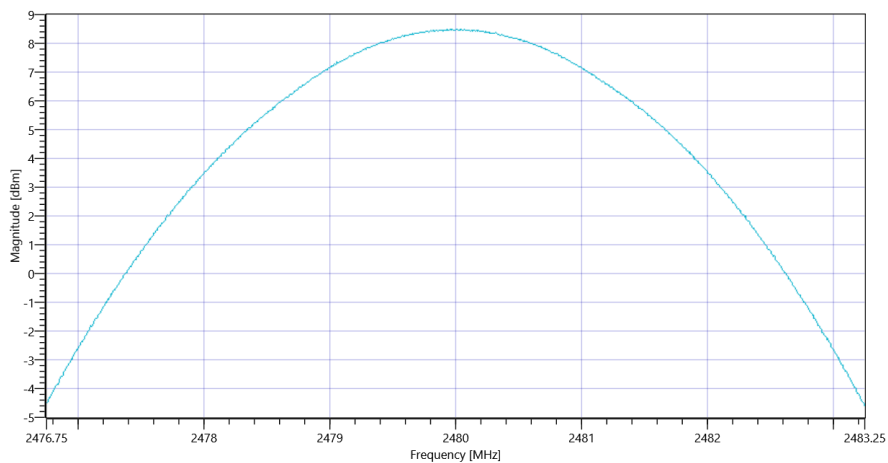
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.85 10.46 25
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.48	dBm	Info
Peak Power	---	---	7.046931	mW	Info
Frequency at Peak	---	---	2480.006	MHz	Info



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic EDR 8DPSK_27012020_131553.png

TEST FINISHED

General Verdict

27.01.2020 13:15:54 / RT: 85 s

PASS

12. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK

Test References	
TC Start	27.01.2020 13:15:58
System Version	1.0.0.31
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 - BT Classic EDR 8DPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

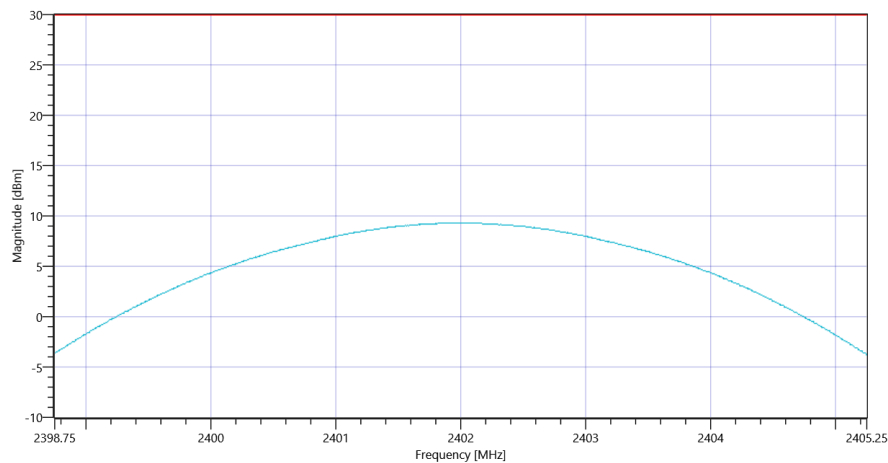
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.00 10.29 25
Start [MHz] Stop [MHz]	2398.750 2405.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	9.3	dBm	PASS
Peak Power	---	1000	8.51138	mW	PASS
Frequency at Peak	---	---	2402.058	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_27012020_131630.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

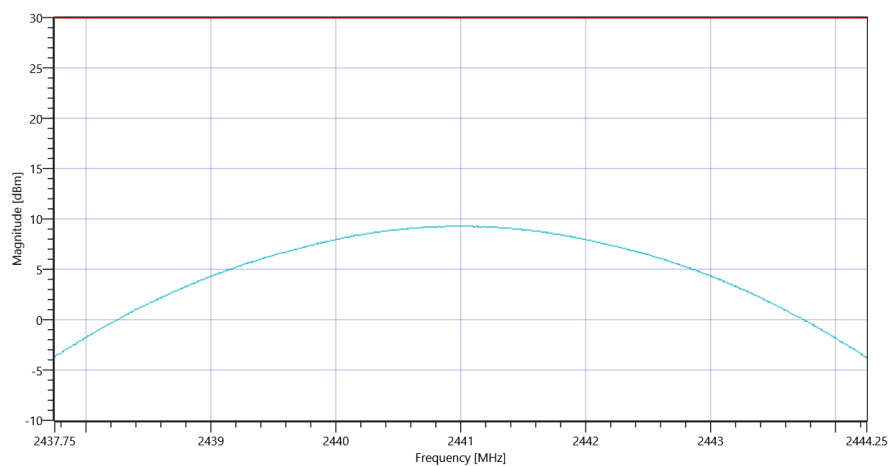
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.54 10.41 25
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	9.3	dBm	PASS
Peak Power	---	1000	8.51138	mW	PASS
Frequency at Peak	---	---	2441	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_27012020_131656.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

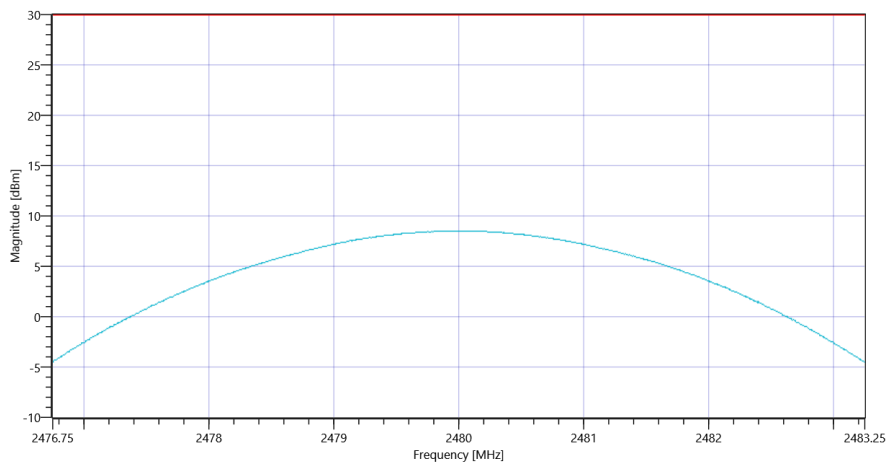
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.83 10.46 25
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	8.52	dBm	PASS
Peak Power	---	1000	7.112135	mW	PASS
Frequency at Peak	---	---	2479.948	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_27012020_131722.png

TEST FINISHED

General Verdict

27.01.2020 13:17:23 / RT: 84 s

PASS

13. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK

Test References	
TC Start	27.01.2020 13:17:27
System Version	1.0.0.31
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 - BT Classic EDR 8DPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

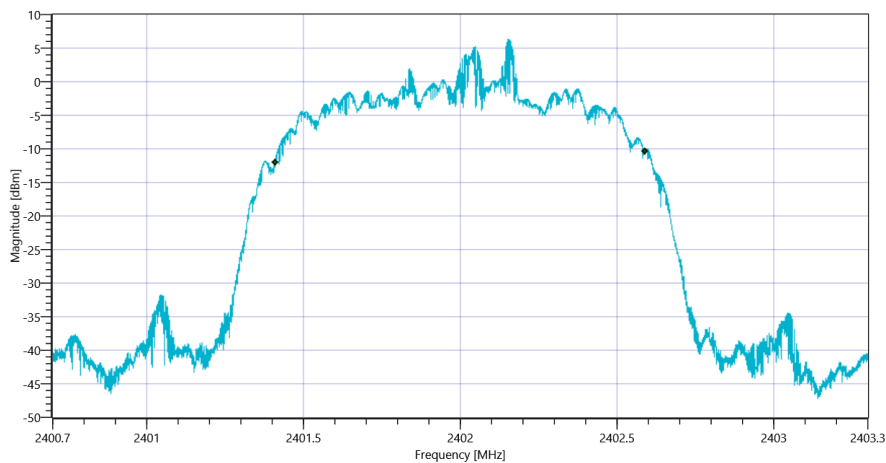
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

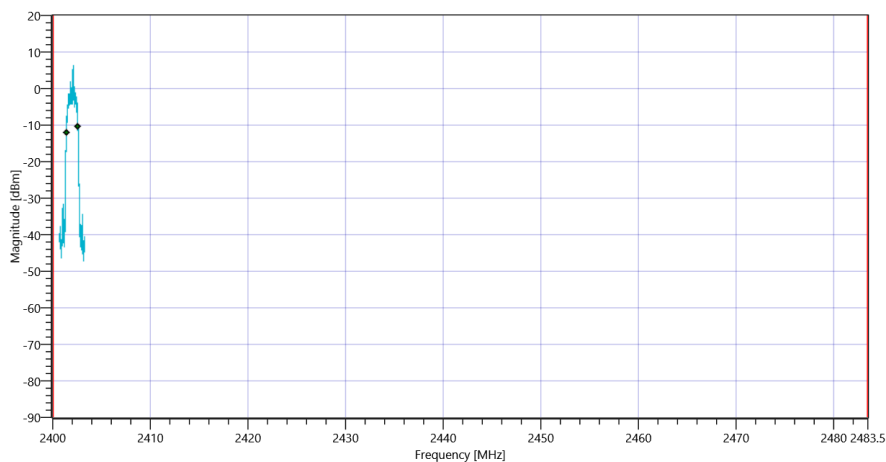
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.82 10.29 20				
Start [MHz] Stop [MHz]	2400.700 2403.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1179	kHz	Information
T1 99%	2400.000000	---	2401.4119	MHz	PASS
T2 99%	---	2483.500000	2402.5909	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_27012020_131800.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 27012020_131804.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1265	kHz	Information
T1 20DB	2400.000000	---	2401.3625	MHz	PASS

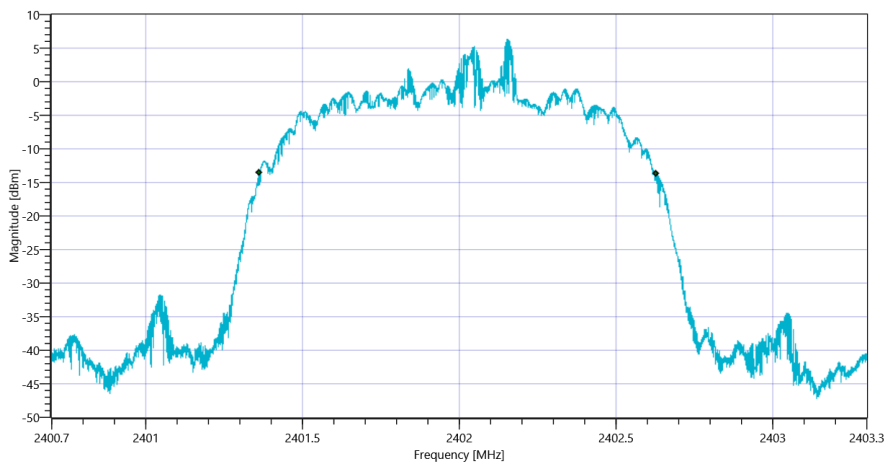
T2 20dB

2483.500000

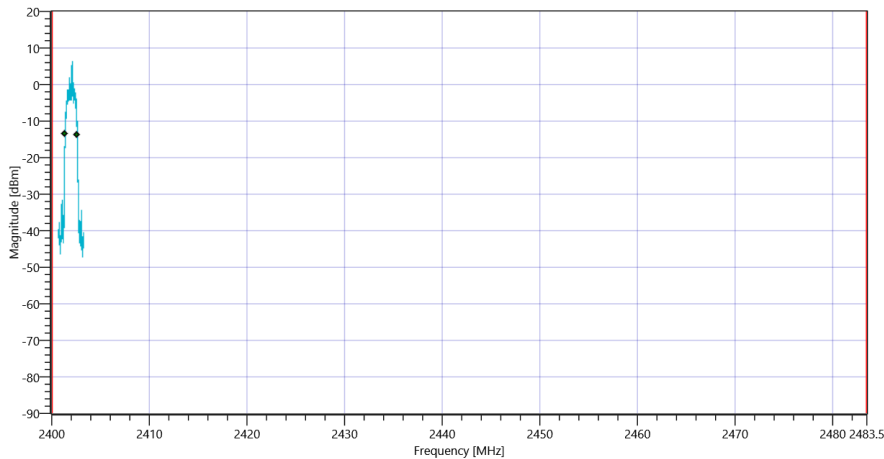
2402.6271

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_27012020_131809.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 27012020_131813.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

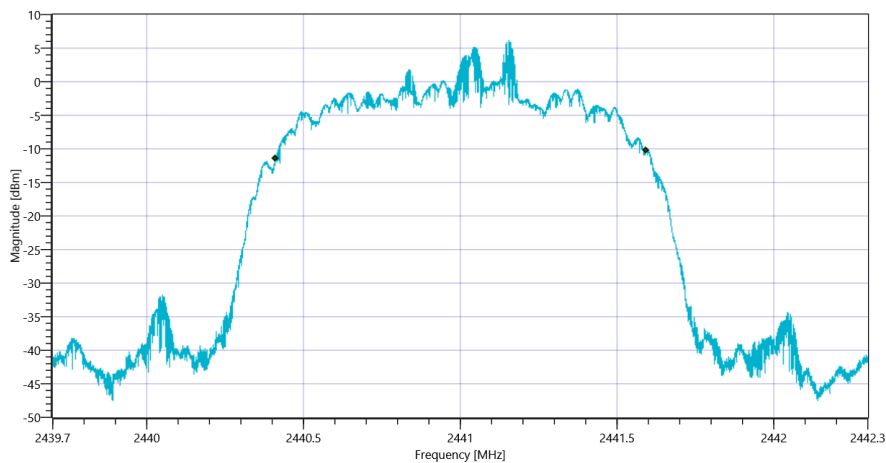
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

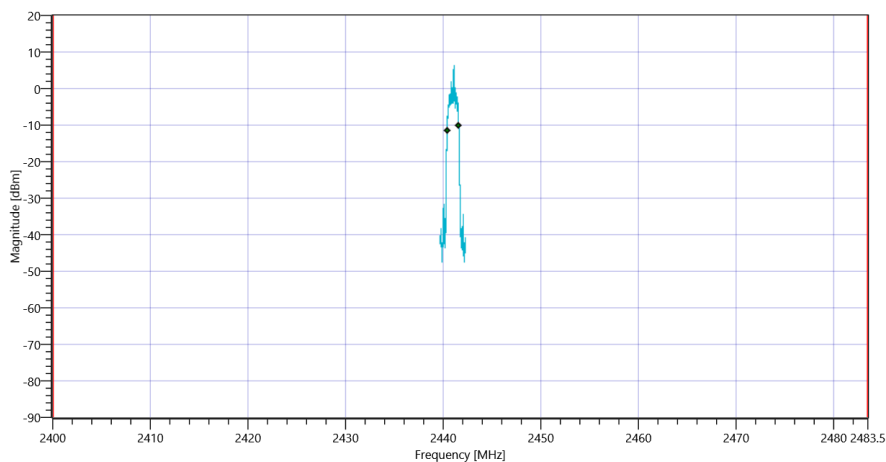
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.78 10.41 20				
Start [MHz] Stop [MHz]	2439.700 2442.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1180	kHz	Information
T1 99%	2400.000000	---	2440.4119	MHz	PASS
T2 99%	---	2483.500000	2441.5914	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_27012020_131841.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 27012020_131845.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1264	kHz	Information
T1 20DB	2400.000000	---	2440.3627	MHz	PASS

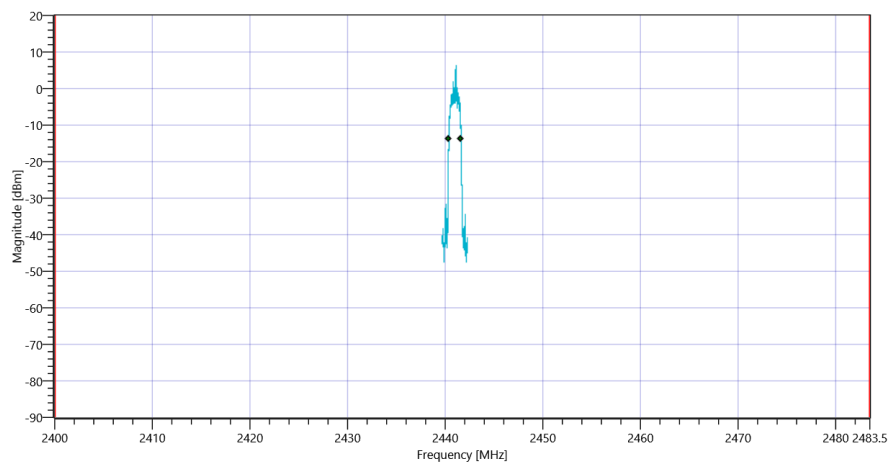
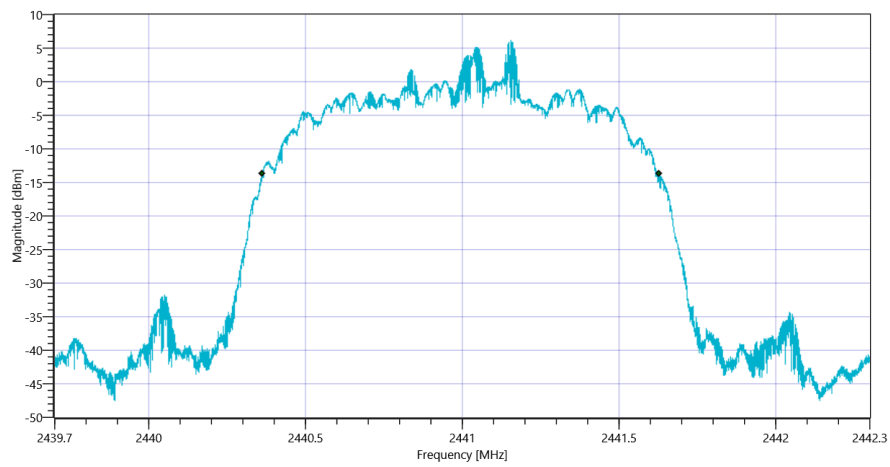
T2 20dB

2483.500000

2441.6271

MHz

PASS



Test at TX 2480 MHz

RESULT: BT Classic Connection check

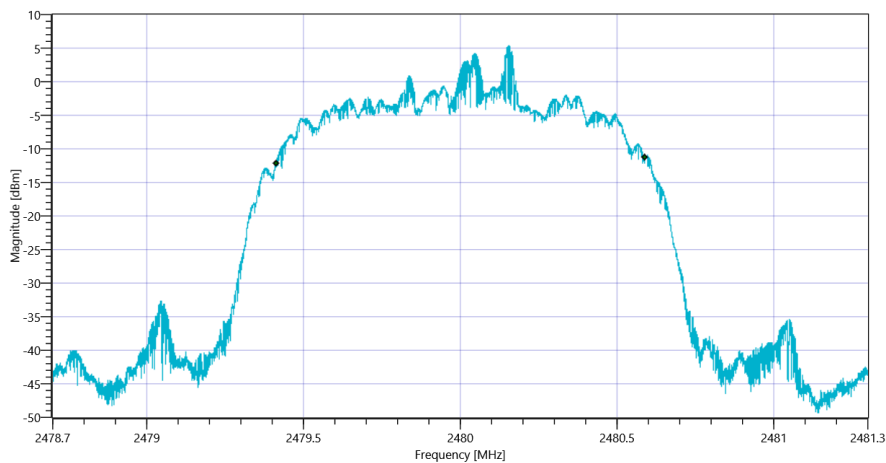
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

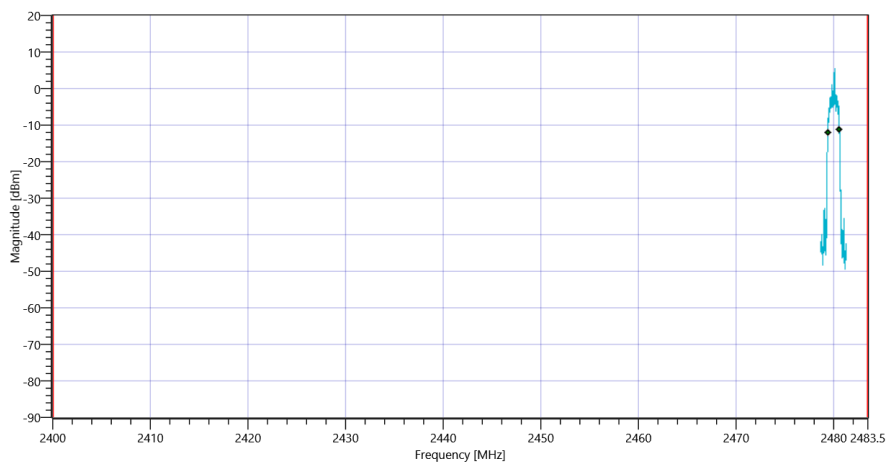
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.46 10.46 20				
Start [MHz] Stop [MHz]	2478.700 2481.300				
RBW [MHz] VBW [MHz]	0.030000 0.100000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE				

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1179	kHz	Information
T1 99%	2400.000000	---	2479.4122	MHz	PASS
T2 99%	---	2483.500000	2480.5909	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27012020_131922.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27012020_131926.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1262	kHz	Information
T1 20DB	2400.000000	---	2479.3622	MHz	PASS

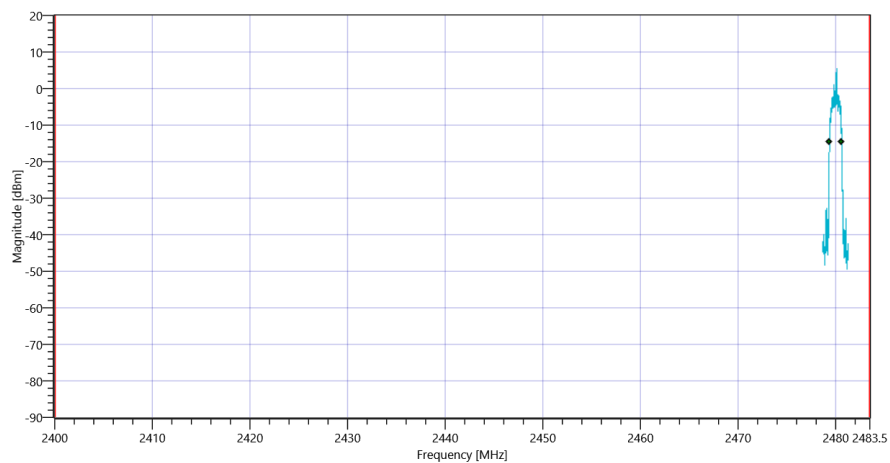
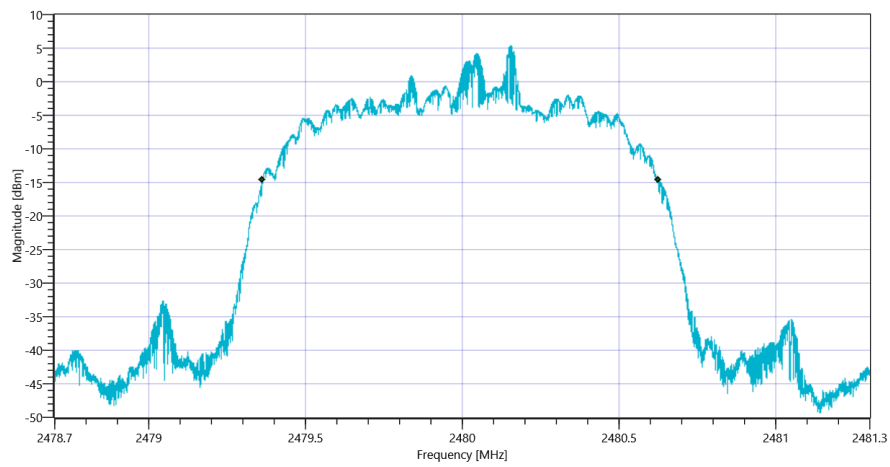
T2 20dB

2483.500000

2480.6245

MHz

PASS



TEST FINISHED

General Verdict

27.01.2020 13:19:37 / RT: 130 s

PASS

14. FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK

Test References	
TC Start	27.01.2020 13:19:42
System Version	1.0.0.31
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 - BT Classic EDR 8DPSK
Add. Information	

Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

RESULT: BT Classic Connection check

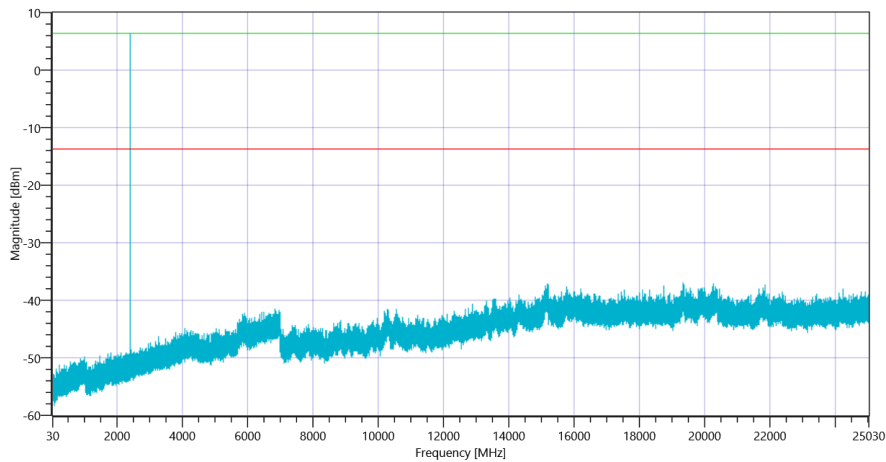
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

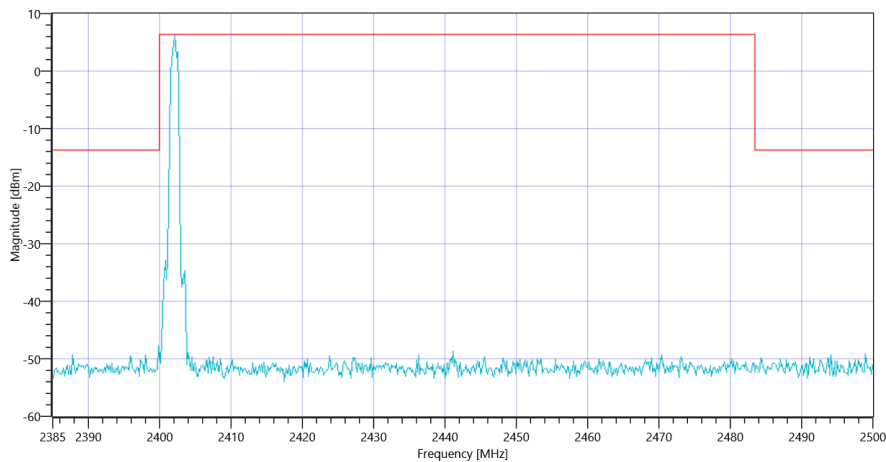
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.77 0 30				
Start [MHz] Stop [MHz]	24530.000 25030.000				
RBW [MHz] VBW [MHz]	0.100000 0.300000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE				

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.17 MHz	---	---	6.32	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2402_27012020_132432.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2402_27012020_132435.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

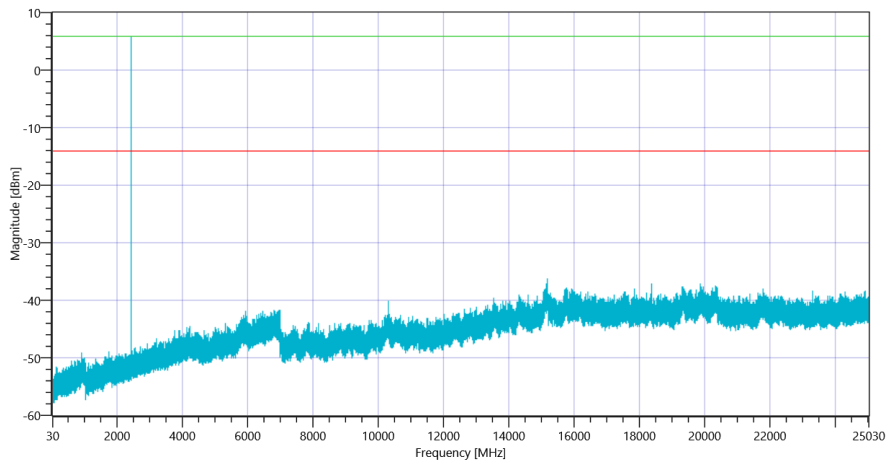
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

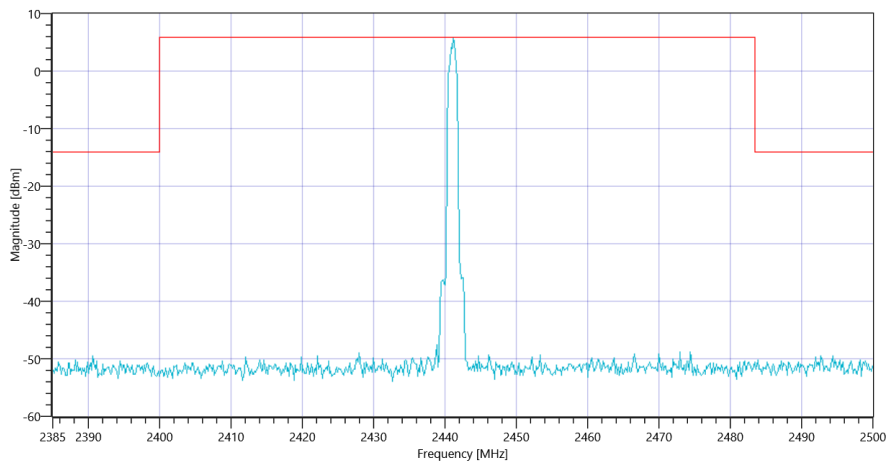
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.73 0 30				
Start [MHz] Stop [MHz]	24530.000 25030.000				
RBW [MHz] VBW [MHz]	0.100000 0.300000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE				

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.17 MHz	---	---	5.91	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2441_27012020_132921.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2441_27012020_132924.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

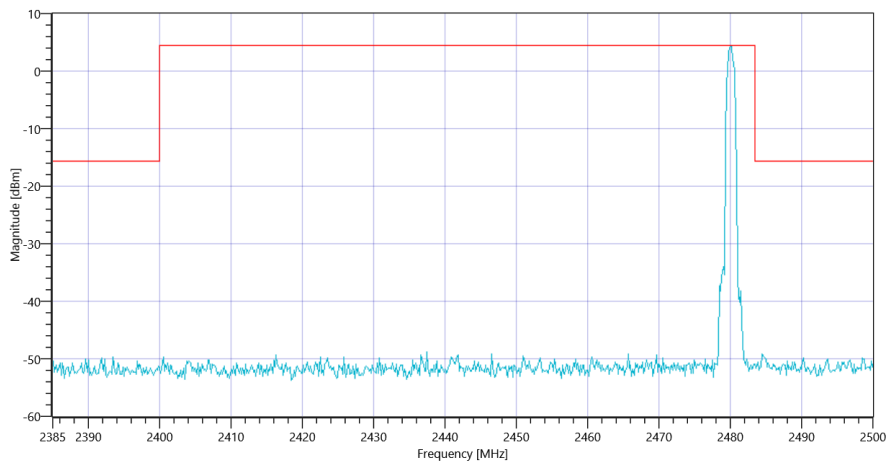
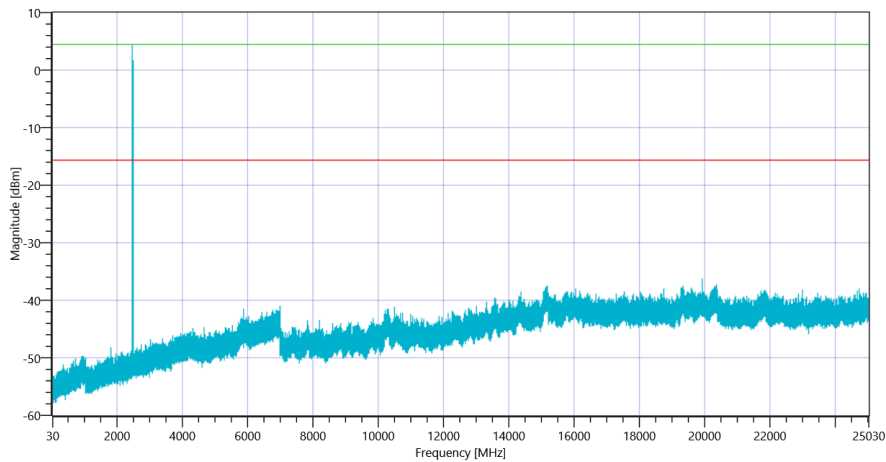
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.32 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	500 8 3001 SWE				

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	4.41	dBm	Information
No peaks detected	---	---			PASS



TEST FINISHED

General Verdict

27.01.2020 13:34:14 / RT: 872 s

PASS

- END OF DOCUMENT -
