

Measurement Results

1-9913/20-01-02_Annex_MR_A_1

[Test logging](#)

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	Riedel Communications GmbH & Co. KG
Type	RSP1216HL
Serial No. Setup No.	1 243051 190026 1.0
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	0 20 45
Vlow Vmid Vhigh [V] @Imax [A]	230 V AC
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

IUT Common Settings BT Classic	
Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
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	00197C080B0E
Signaling BT Address	BABEBEDADBAD
Switch Matrix & Pathcompensation enabled	Yes

1. Common2G4 Peak OP 3MHz/3MHz ~ BT Classic Basic rate

Test References	
TC Start	19.03.2020 13:42:03
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

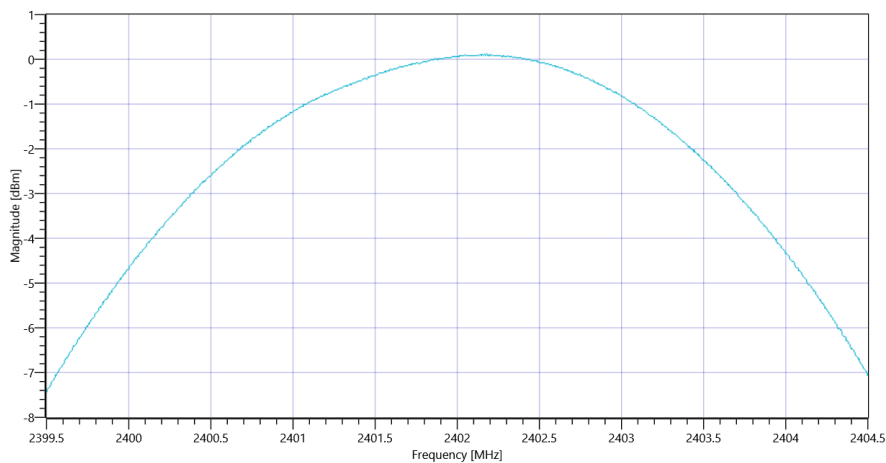
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.78 10.09 15
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	0.12	dBm	Info
Peak Power	---	---	1.028016	mW	Info
Frequency at Peak	---	---	2402.18	MHz	Info



Plot_Common2G4 Peak OP 3MHz-3MHz ~ BT Classic Basic rate_19032020_134234.png

Test at TX 2441 MHz

BT Classic Connection check

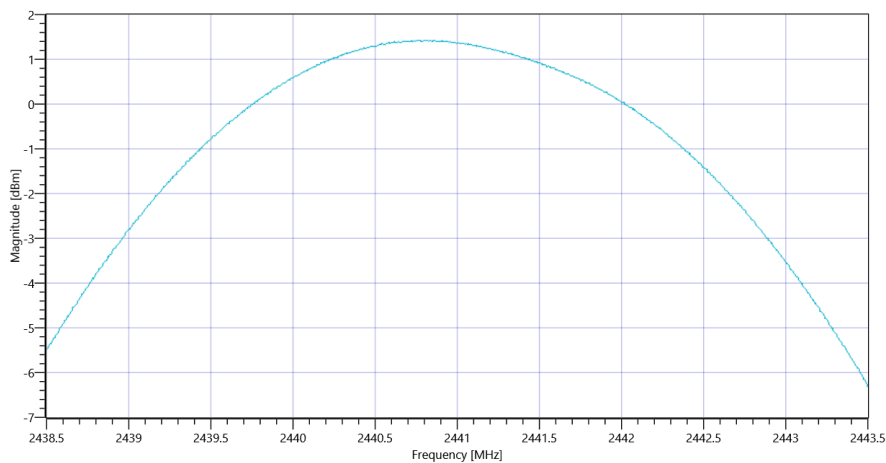
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.08 10.1 20				
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	1.43	dBm	Info
Peak Power	---	---	1.389953	mW	Info
Frequency at Peak	---	---	2440.85	MHz	Info



Plot_Common2G4 Peak OP 3MHz-3MHz ~ BT Classic Basic rate_19032020_134300.png

Test at TX 2480 MHz

BT Classic Connection check

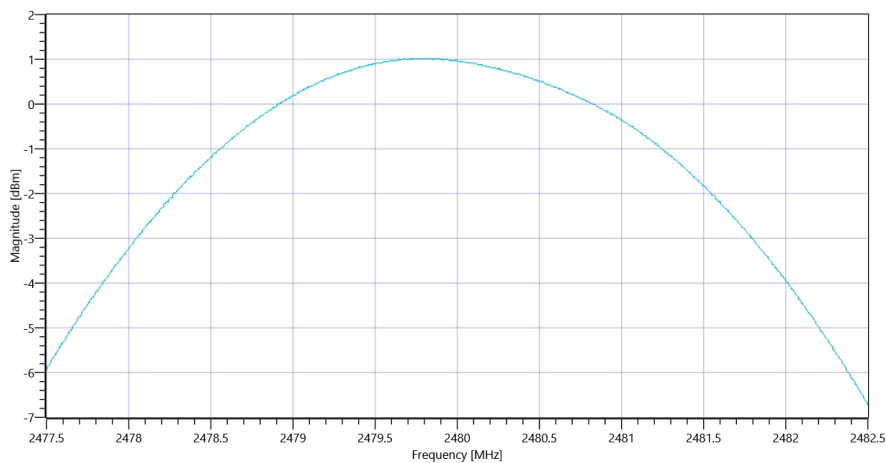
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.69 10.15 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	1.02	dBm	Info
Peak Power	---	---	1.264736	mW	Info
Frequency at Peak	---	---	2479.745	MHz	Info



TEST FINISHED

General Verdict	19.03.2020 13:43:27 / RT: 83 s	PASS
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2. FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate

Test References	
TC Start	19.03.2020 13:47:56
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

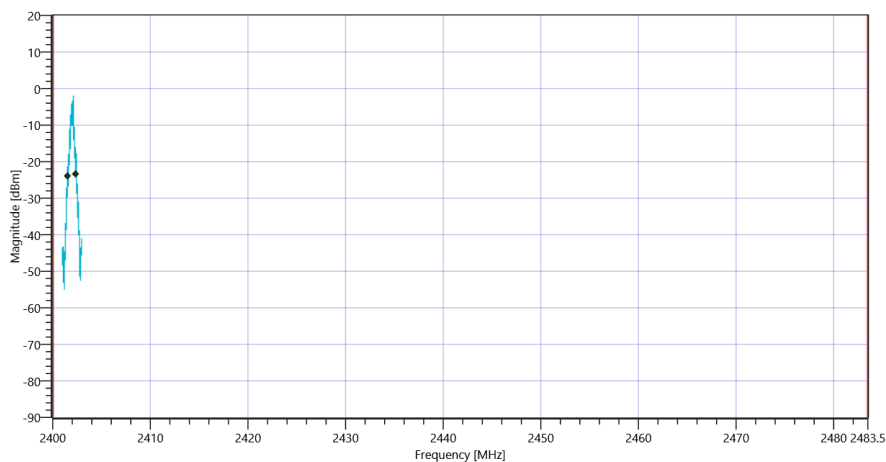
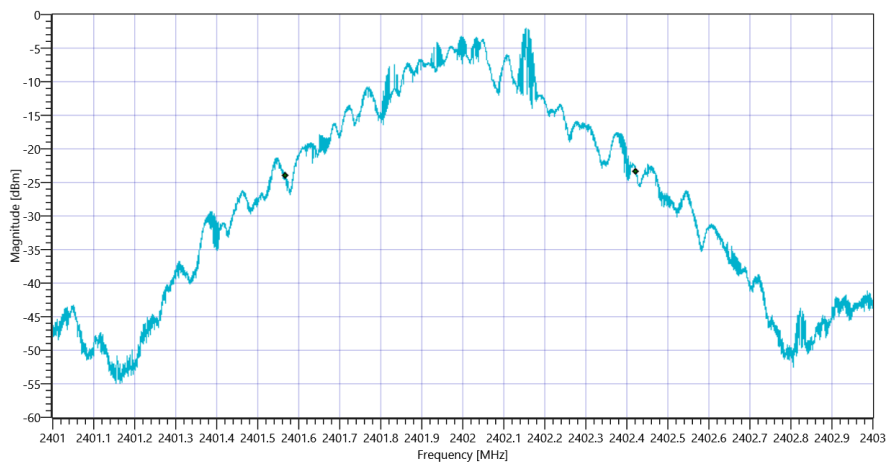
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.78 10.09 10
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	855	kHz	INFO
T1 99%	2400.000000	---	2401.5678	MHz	PASS
T2 99%	---	2483.500000	2402.4228	MHz	PASS



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	867	kHz	INFO
T1 20DB	2400.000000	---	2401.5410	MHz	PASS

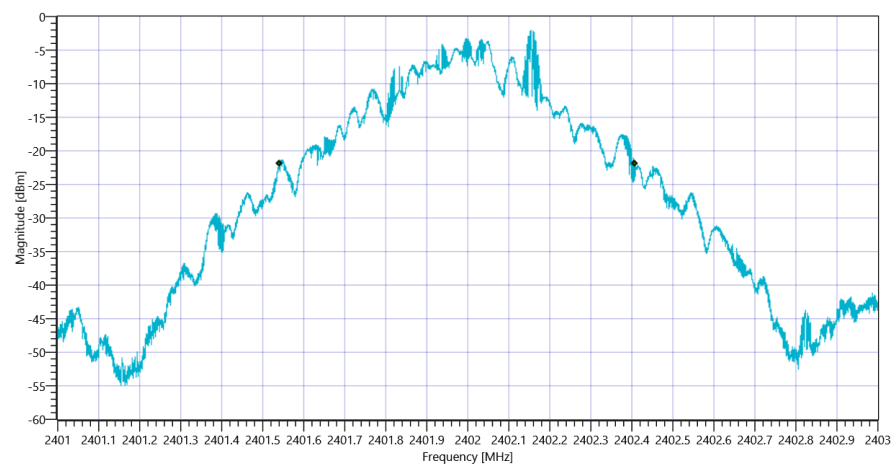
T2 20dB

2483.500000

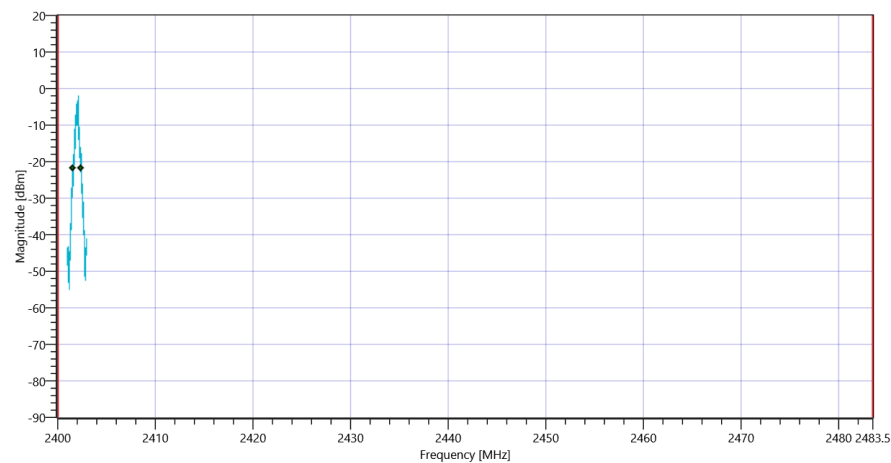
2402.4082

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_19032020_134840.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134844.png

Test at TX 2441 MHz

BT Classic Connection check

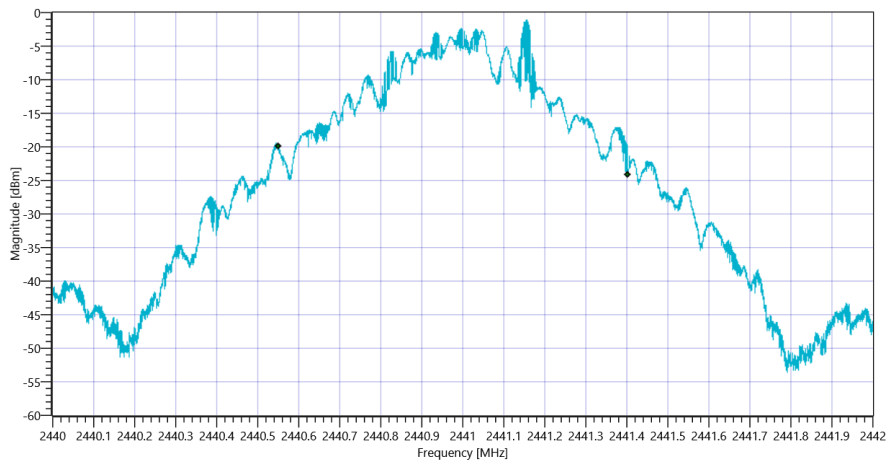
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

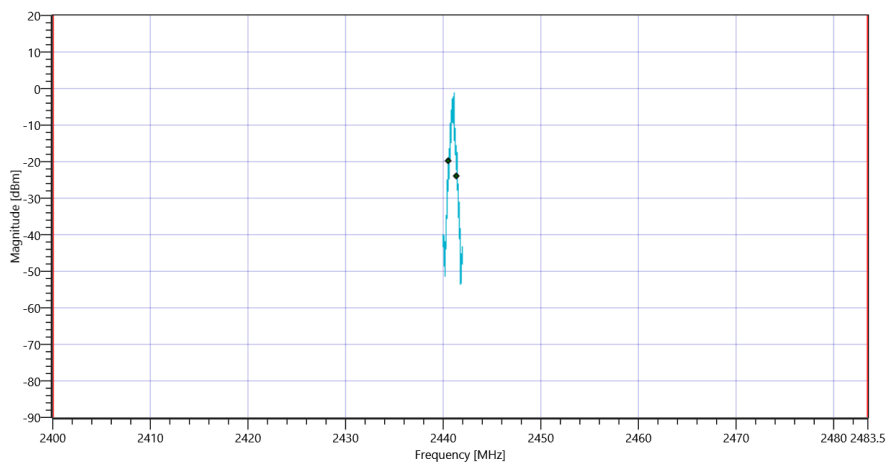
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.04 10.1 15
Start [MHz] Stop [MHz]	2440.000 2442.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	852	kHz	INFO
T1 99%	2400.000000	---	2440.5508	MHz	PASS
T2 99%	---	2483.500000	2441.4030	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134911.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134915.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	865	kHz	INFO
T1 20DB	2400.000000	---	2440.5358	MHz	PASS

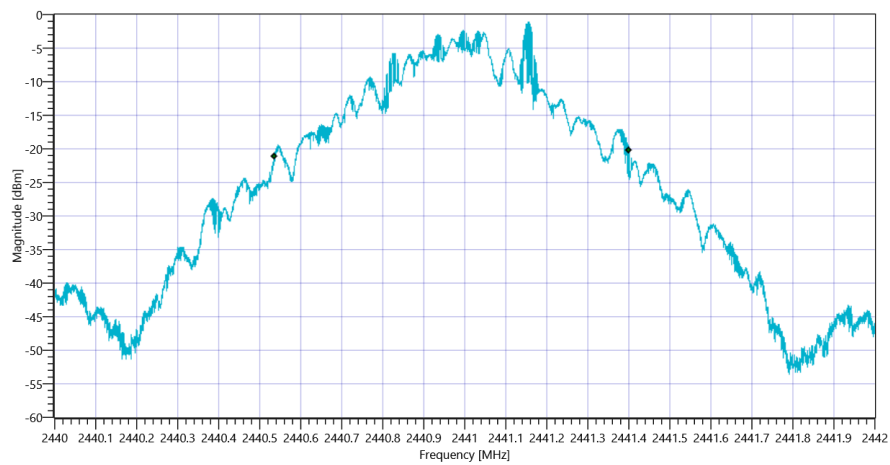
T2 20dB

2483.500000

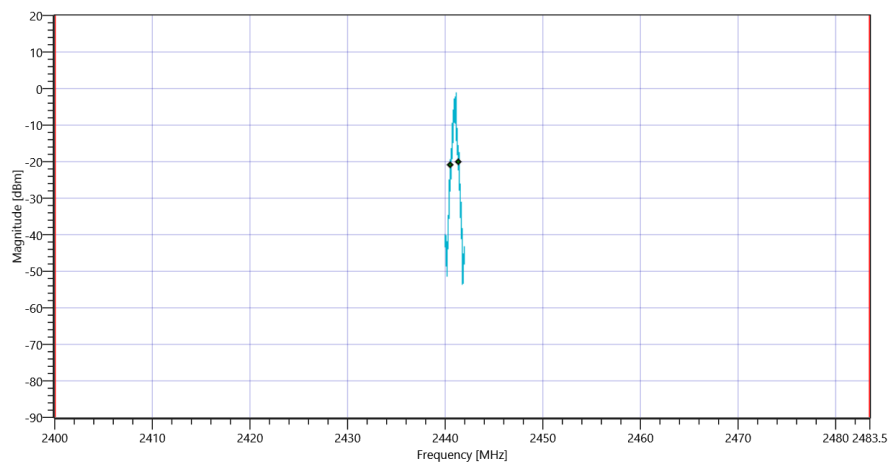
2441.4006

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_19032020_134920.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134924.png

Test at TX 2480 MHz

BT Classic Connection check

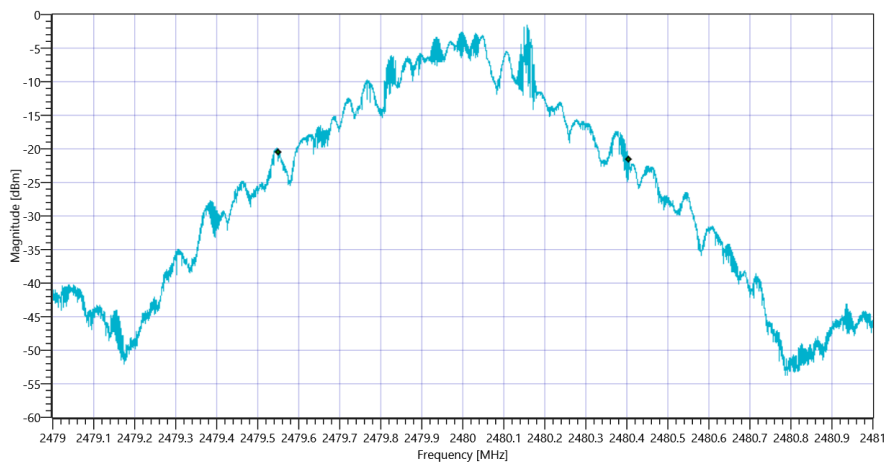
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

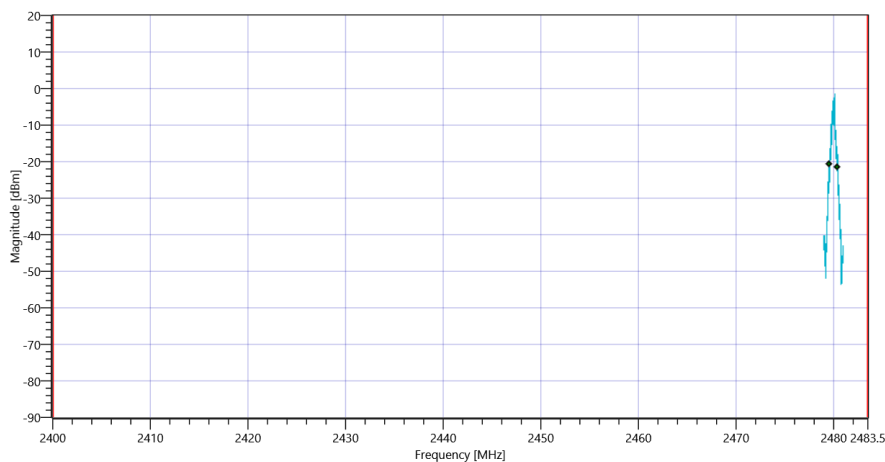
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.68 10.15 15
Start [MHz] Stop [MHz]	2479.000 2481.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	855	kHz	INFO
T1 99%	2400.000000	---	2479.5504	MHz	PASS
T2 99%	---	2483.500000	2480.4052	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134952.png

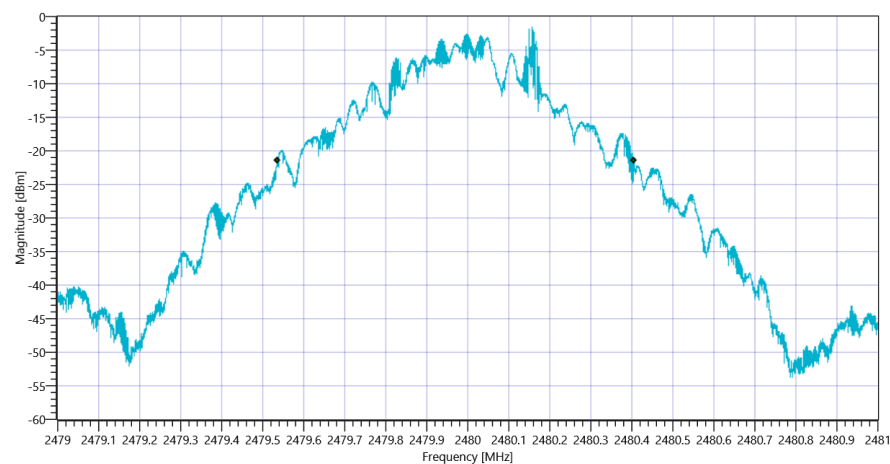


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134956.png

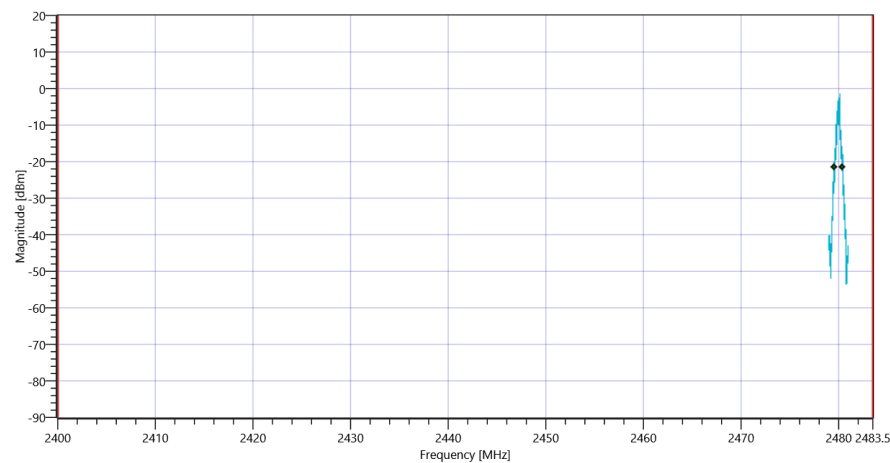
RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	870	kHz	INFO
T1 20DB	2400.000000	---	2479.5354	MHz	PASS

T2 20dB	---	2483.500000	2480.4050	MHz	PASS
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Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_19032020_135001.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_135005.png

TEST FINISHED				
General Verdict	19.03.2020 13:50:05 / RT: 128 s			PASS

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

Test References	
TC Start	19.03.2020 14:10:45
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

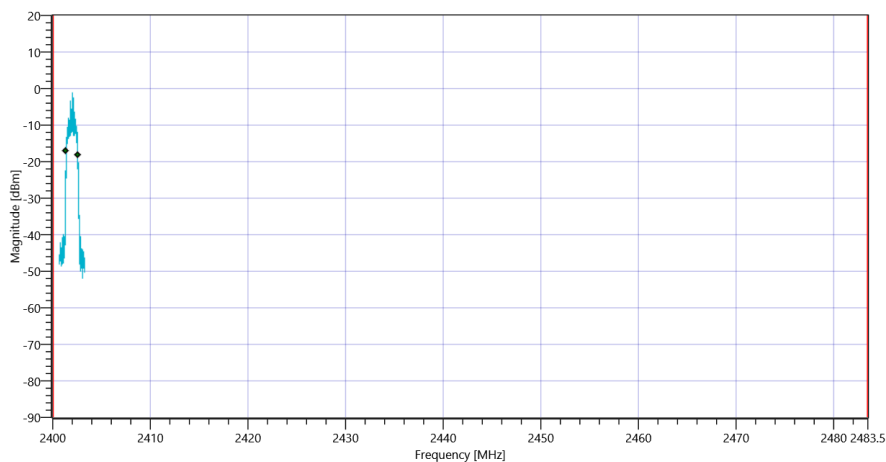
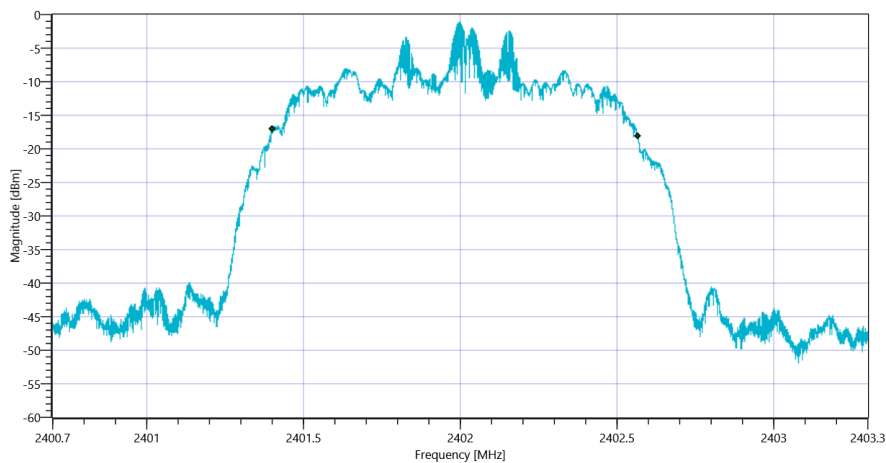
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.11 10.09 15				
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1167	kHz	INFO
T1 99%	2400.000000	---	2401.4000	MHz	PASS
T2 99%	---	2483.500000	2402.5667	MHz	PASS



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1235	kHz	INFO
T1 20DB	2400.000000	---	2401.3651	MHz	PASS

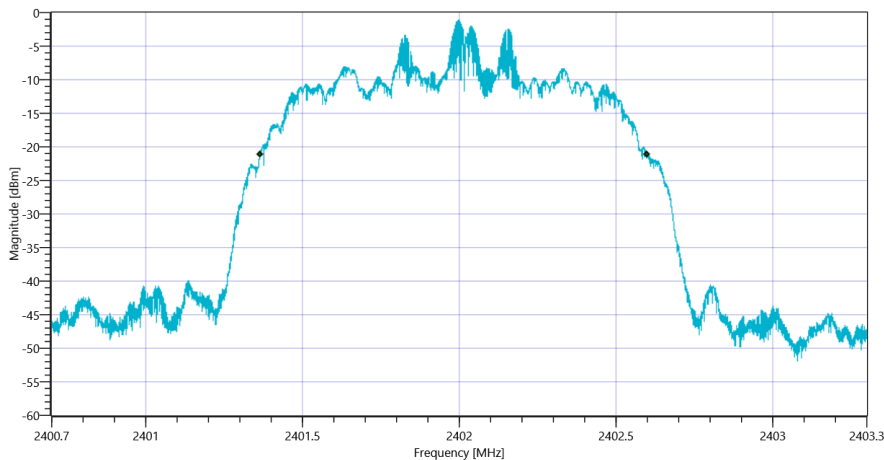
T2 20dB

2483.500000

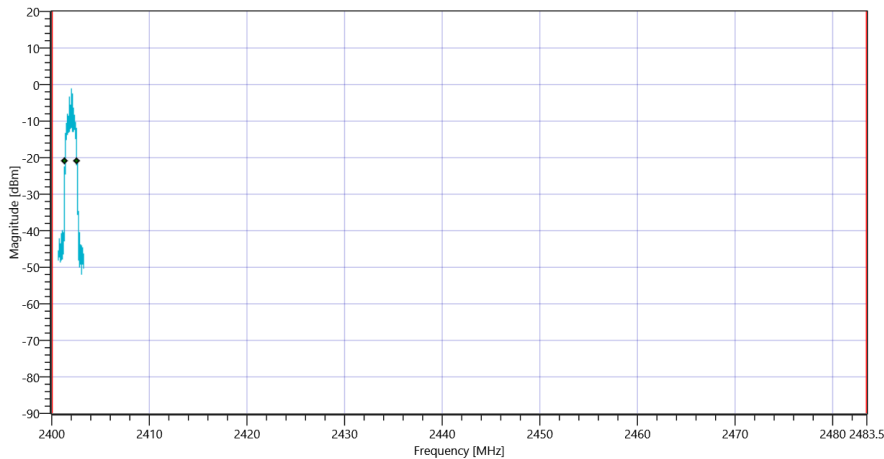
2402.6003

MHz

PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_19032020_141125.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141129.png

Test at TX 2441 MHz

BT Classic Connection check

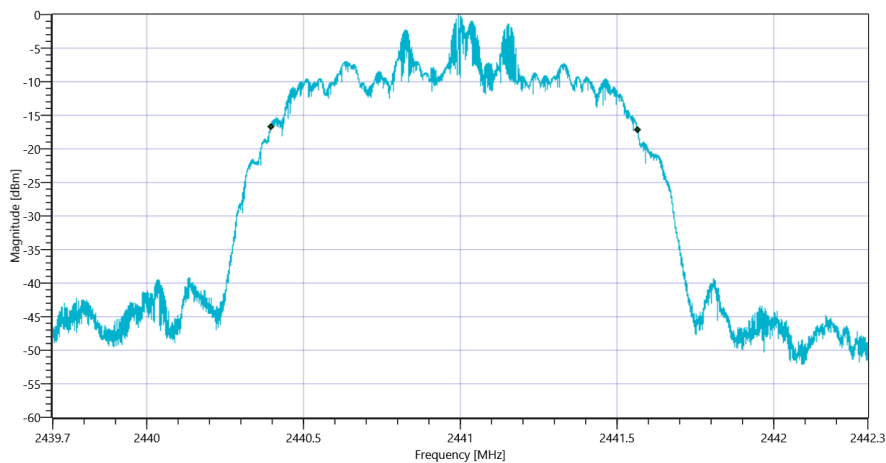
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

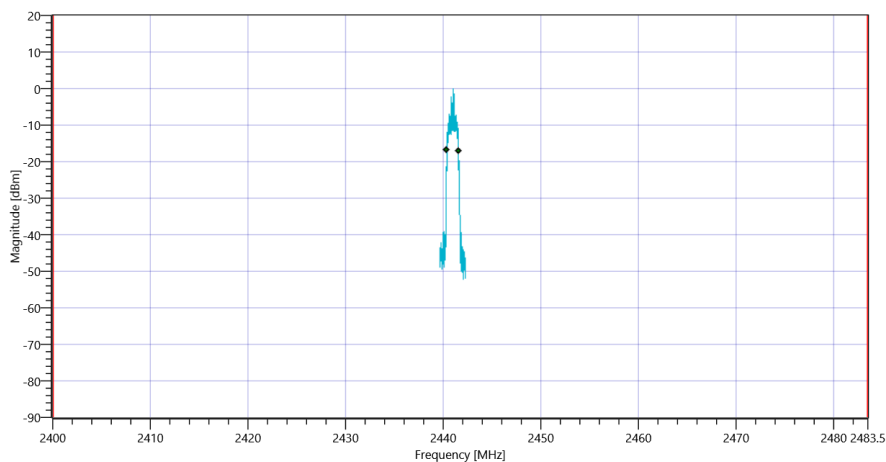
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.58 10.1 15
Start [MHz] Stop [MHz]	2439.700 2442.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1167	kHz	INFO
T1 99%	2400.000000	---	2440.3984	MHz	PASS
T2 99%	---	2483.500000	2441.5657	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_99PCT_19032020_141157.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141200.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1234	kHz	INFO
T1 20DB	2400.000000	---	2440.3646	MHz	PASS

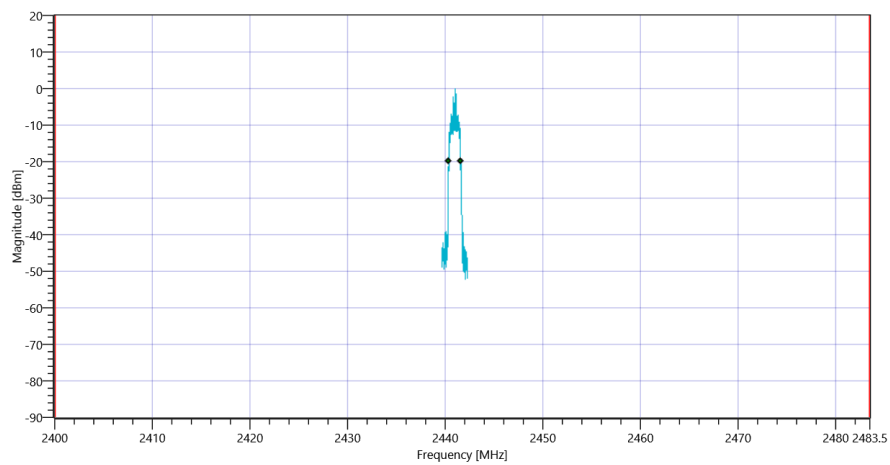
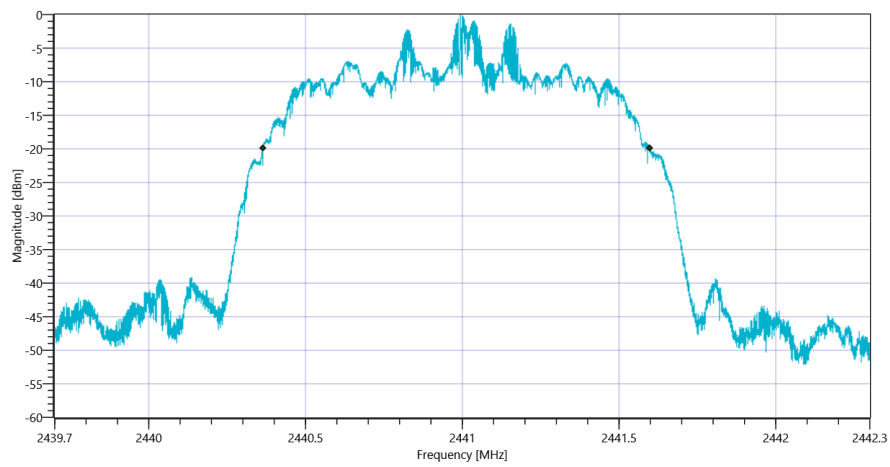
T2 20dB

2483.500000

2441.5983

MHz

PASS



Test at TX 2480 MHz

BT Classic Connection check

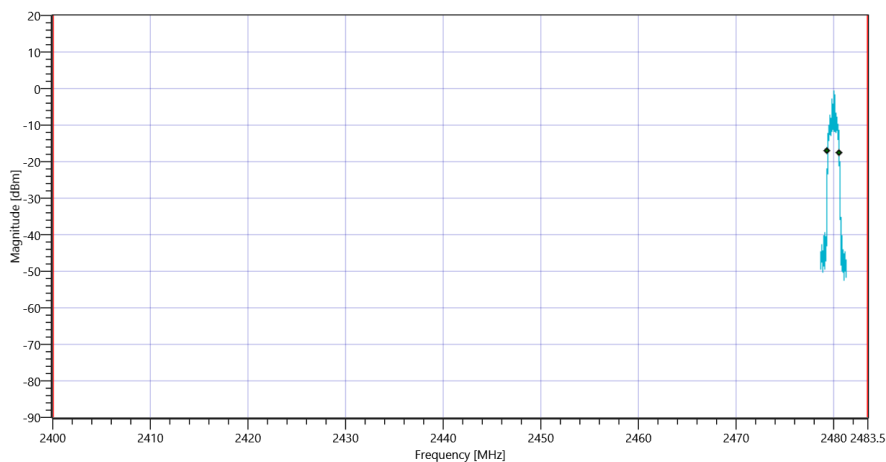
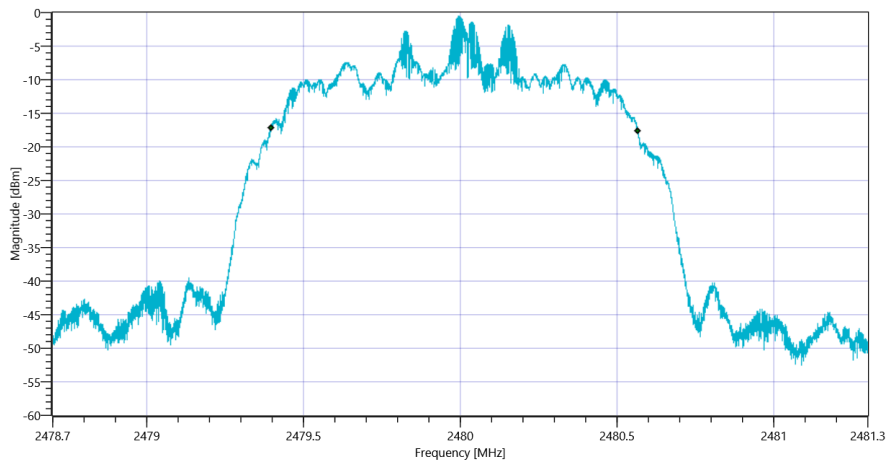
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.09 10.15 15				
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

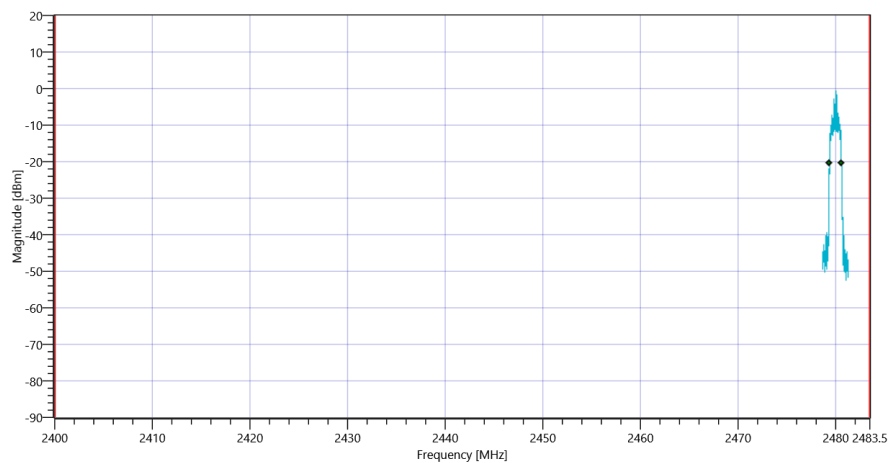
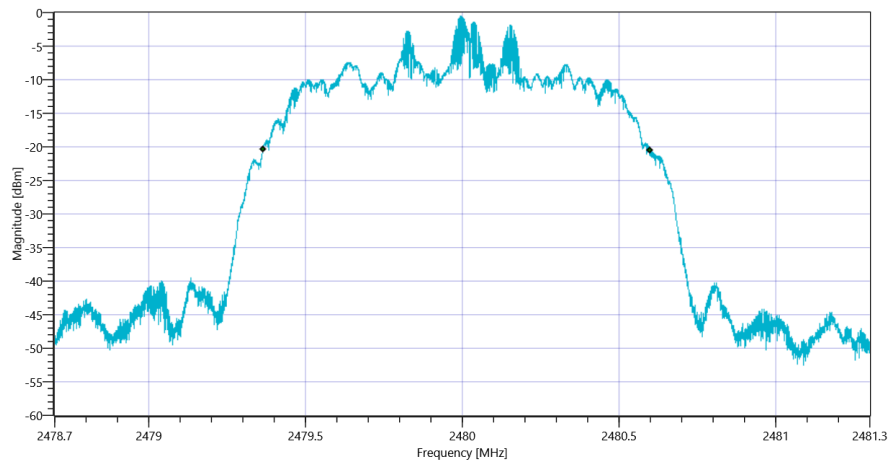
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1167	kHz	INFO
T1 99%	2400.000000	---	2479.3989	MHz	PASS
T2 99%	---	2483.500000	2480.5657	MHz	PASS



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1234	kHz	INFO
T1 20DB	2400.000000	---	2479.3640	MHz	PASS

T2 20dB --- 2483.500000 2480.5977 MHz **PASS**



TEST FINISHED

General Verdict 19.03.2020 14:12:51 / RT: 126 s **PASS**

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

Test References	
TC Start	19.03.2020 14:33:33
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

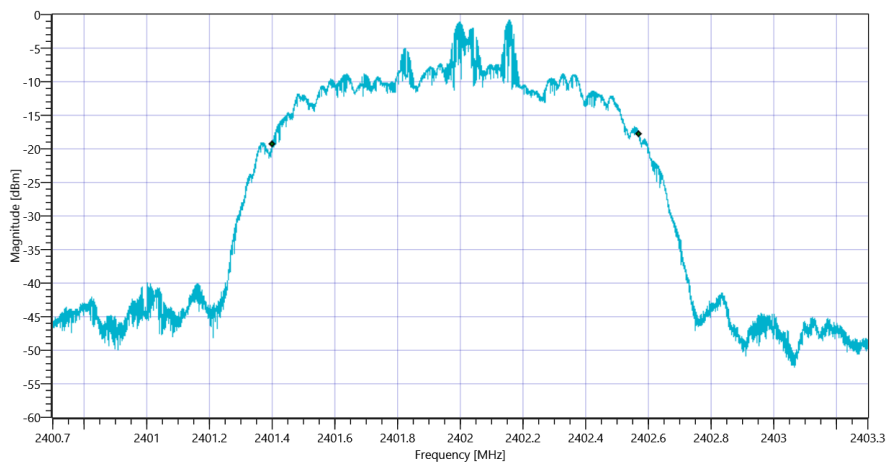
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

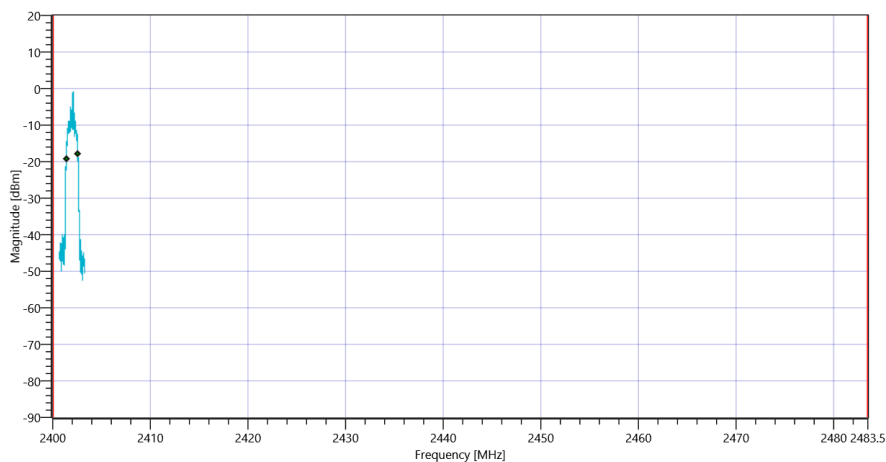
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.58 10.09 15
Start [MHz] Stop [MHz]	2400.700 2403.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1170	kHz	INFO
T1 99%	2400.000000	---	2401.4010	MHz	PASS
T2 99%	---	2483.500000	2402.5706	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143406.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143410.png

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1251	kHz	INFO
T1 20DB	2400.000000	---	2401.3529	MHz	PASS

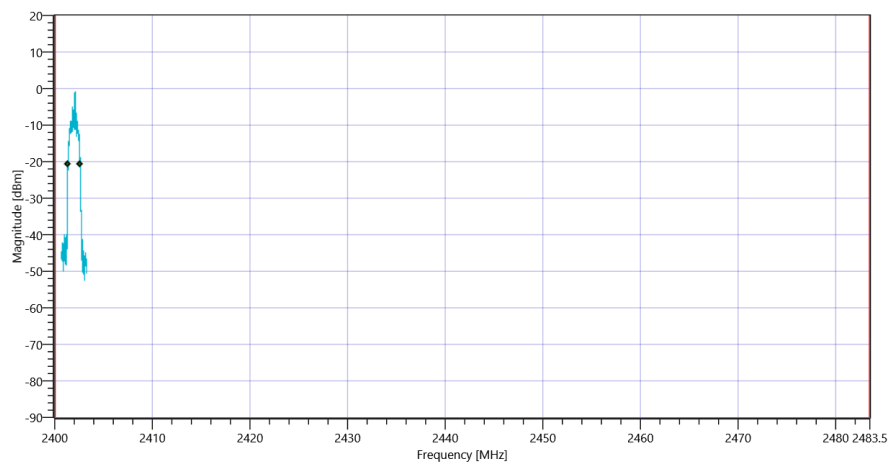
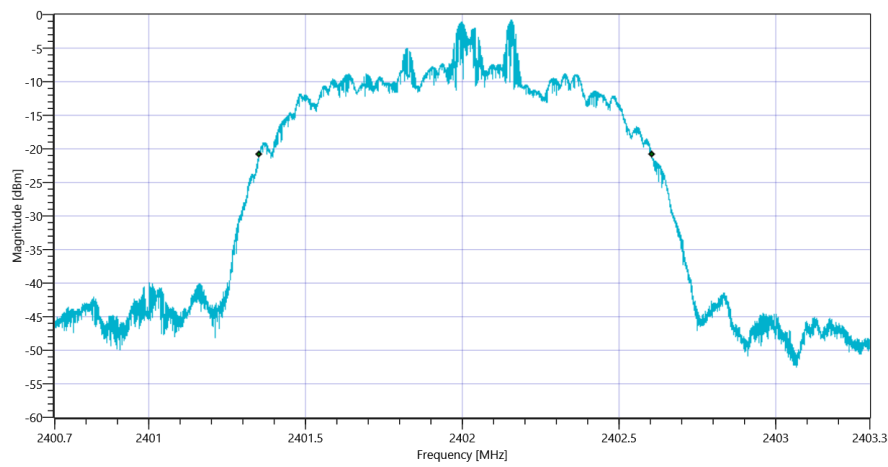
T2 20dB

2483.500000

2402.6040

MHz

PASS



Test at TX 2441 MHz

BT Classic Connection check

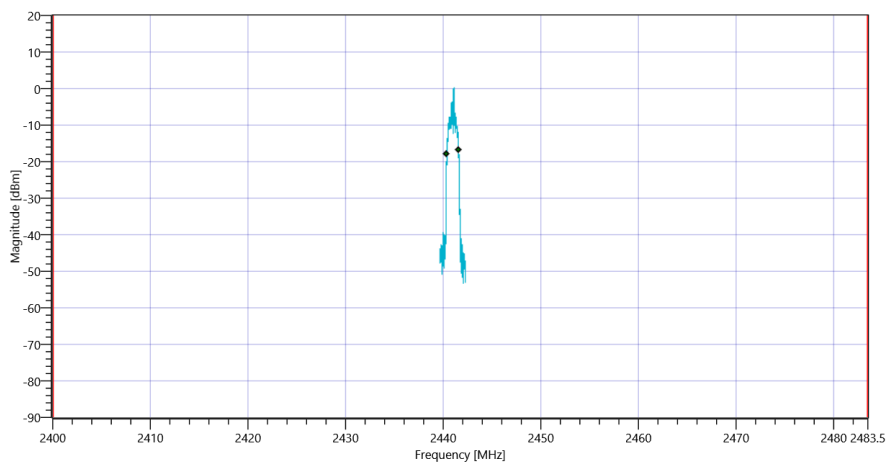
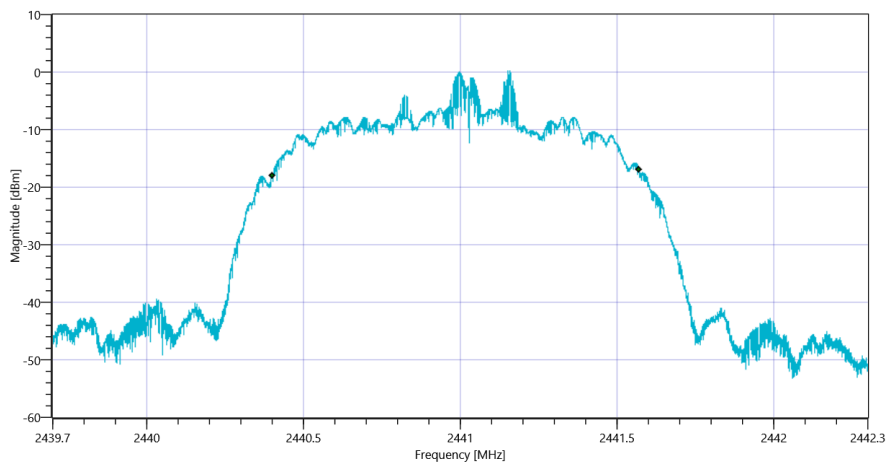
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.44 10.1 15
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1170	kHz	INFO
T1 99%	2400.000000	---	2440.3997	MHz	PASS
T2 99%	---	2483.500000	2441.5693	MHz	PASS



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1252	kHz	INFO
T1 20DB	2400.000000	---	2440.3510	MHz	PASS

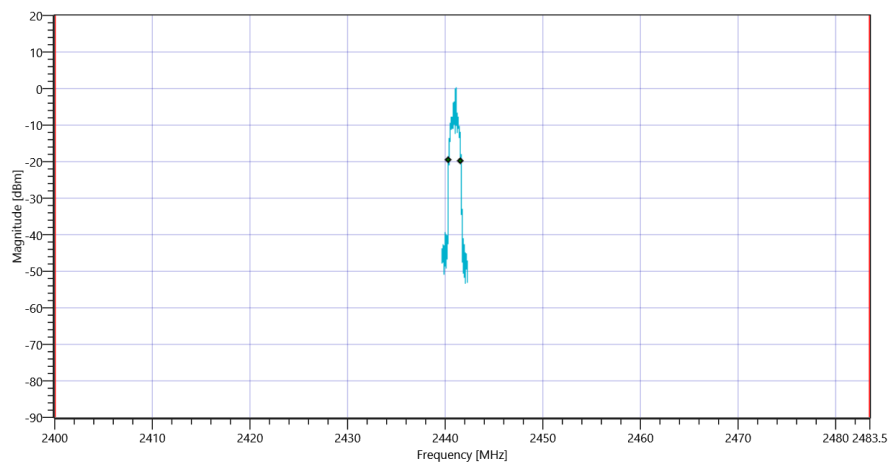
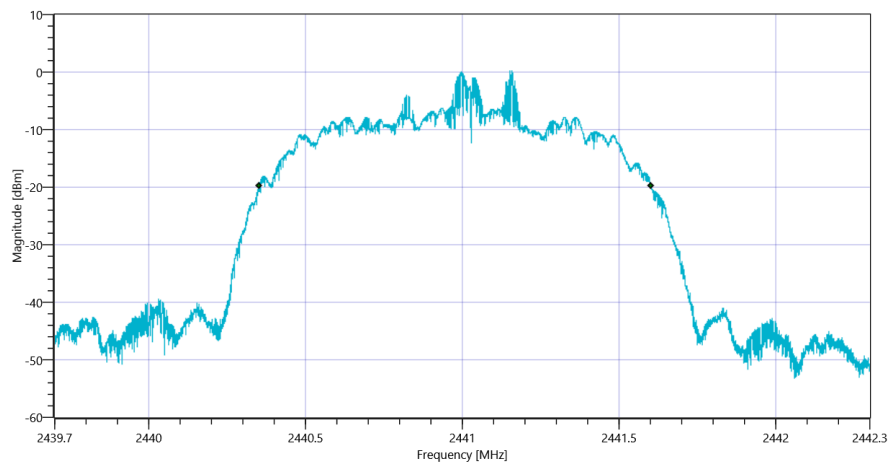
T2 20dB

2483.500000

2441.6027

MHz

PASS



Test at TX 2480 MHz

BT Classic Connection check

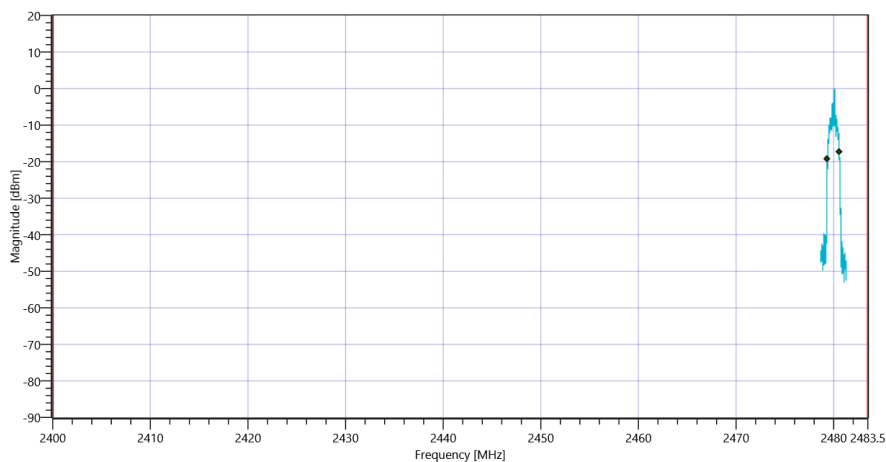
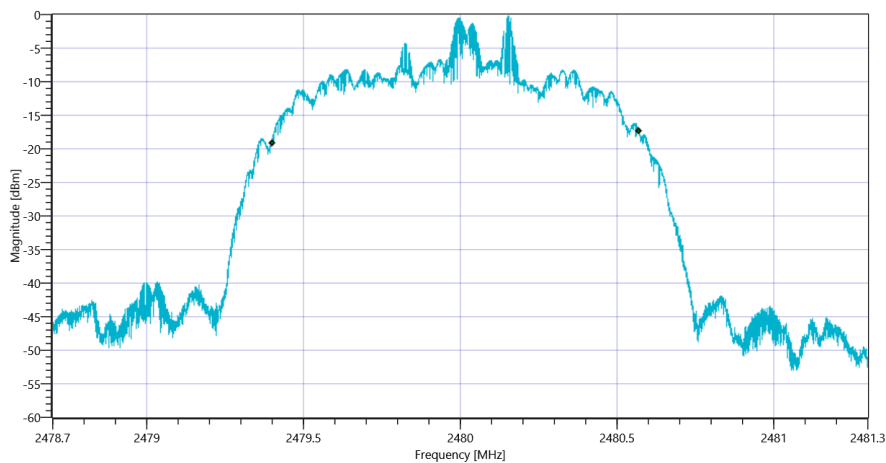
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.89 10.15 15
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1169	kHz	INFO
T1 99%	2400.000000	---	2479.4002	MHz	PASS
T2 99%	---	2483.500000	2480.5696	MHz	PASS



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1251	kHz	INFO
T1 20DB	2400.000000	---	2479.3513	MHz	PASS

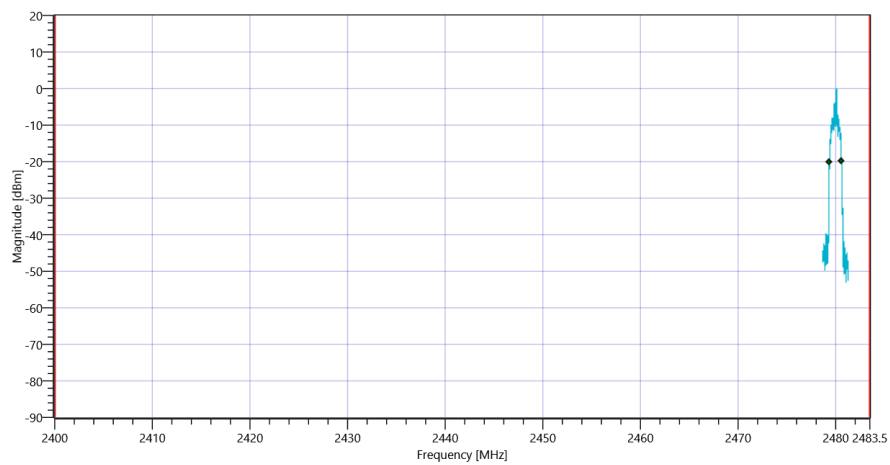
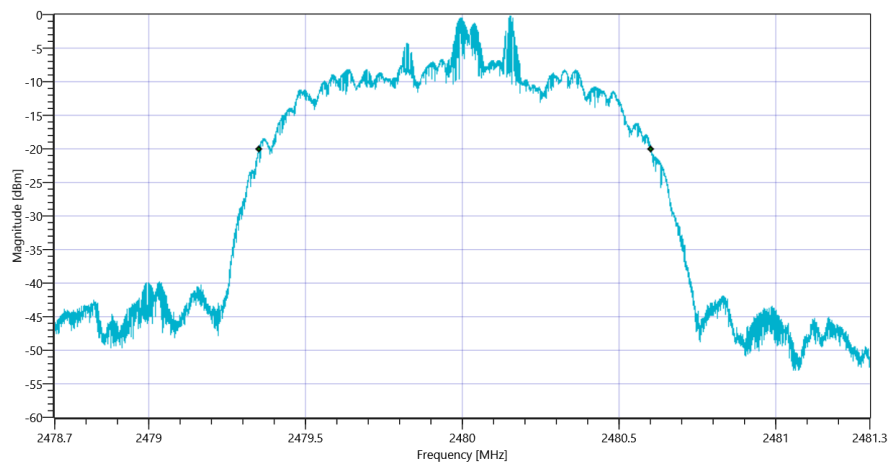
T2 20dB

2483.500000

2480.6024

MHz

PASS



TEST FINISHED

General Verdict

19.03.2020 14:35:41 / RT: 127 s

PASS

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

Test References	
TC Start	19.03.2020 13:50:10
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

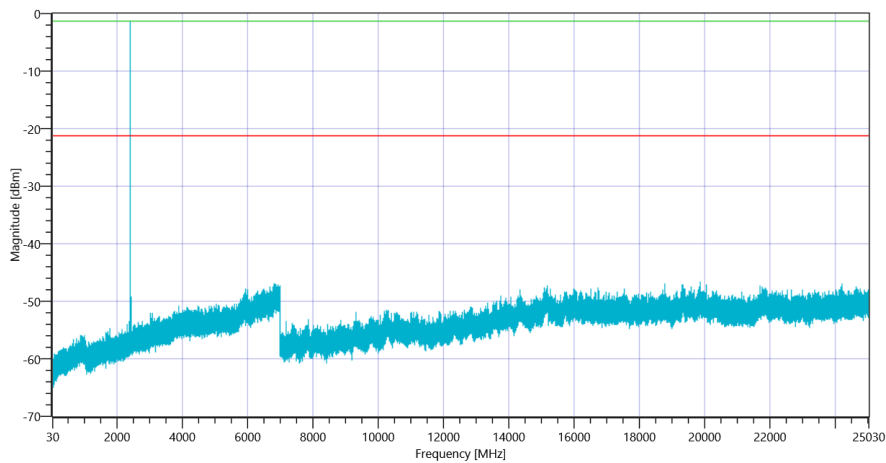
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

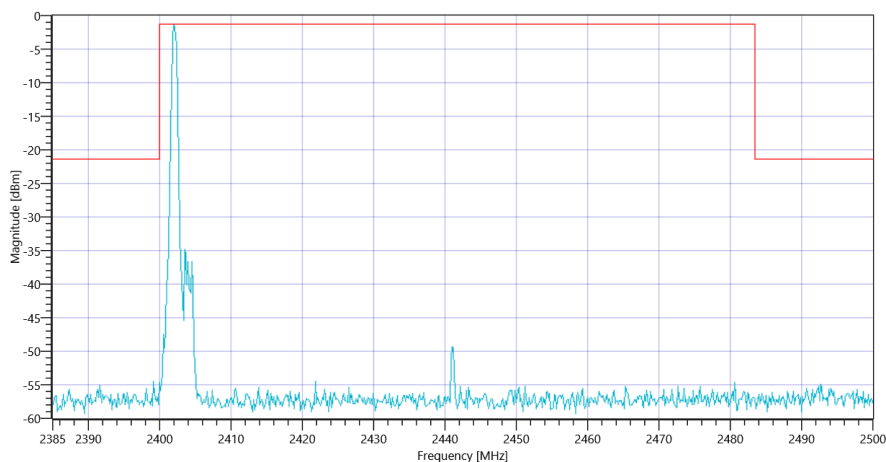
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.17 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	---	---	-1.31	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19870.5 MHz	0	---	25.41	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2402_19032020_135501.png



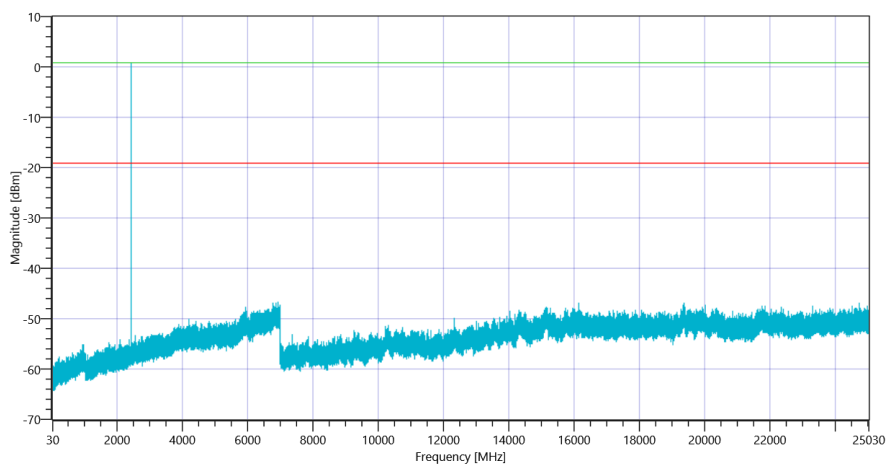
Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2402_19032020_135503.png

Test at TX 2441 MHz

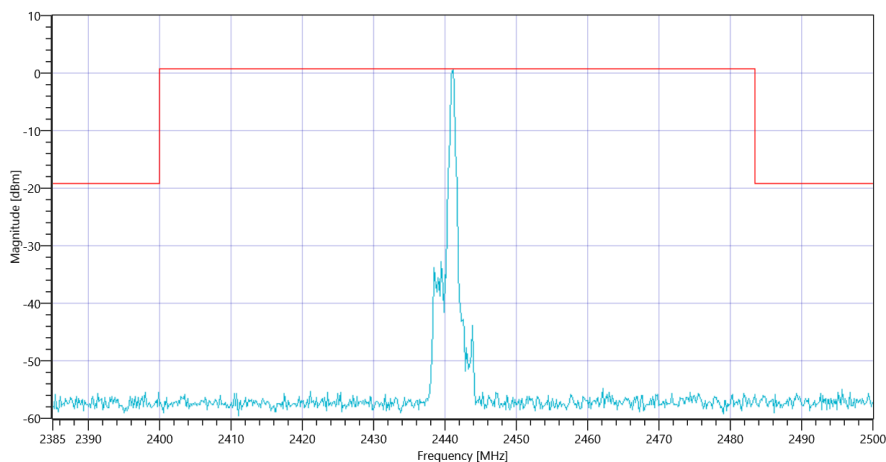
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:					
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.63 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	500 8 3001 SWE				

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.17 MHz	---	---	0.81	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6922.833 MHz	0	---	27.58	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2441_19032020_135949.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2441_19032020_135952.png

Test at TX 2480 MHz

BT Classic Connection check

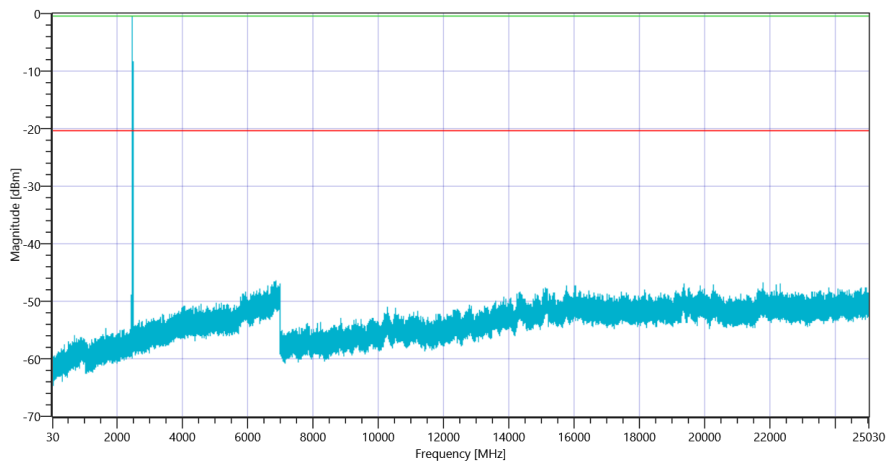
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

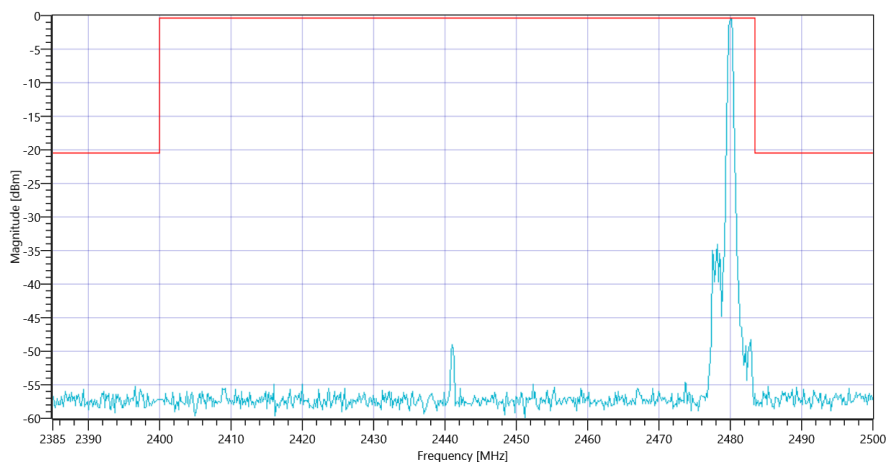
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.16 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	-0.41	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6875.333 MHz	0	---	25.97	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2480_19032020_140438.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic Basic rate 2480_19032020_140441.png

TEST FINISHED

General Verdict	19.03.2020 14:04:43 / RT: 872 s	PASS
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6. FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	19.03.2020 14:12:55
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

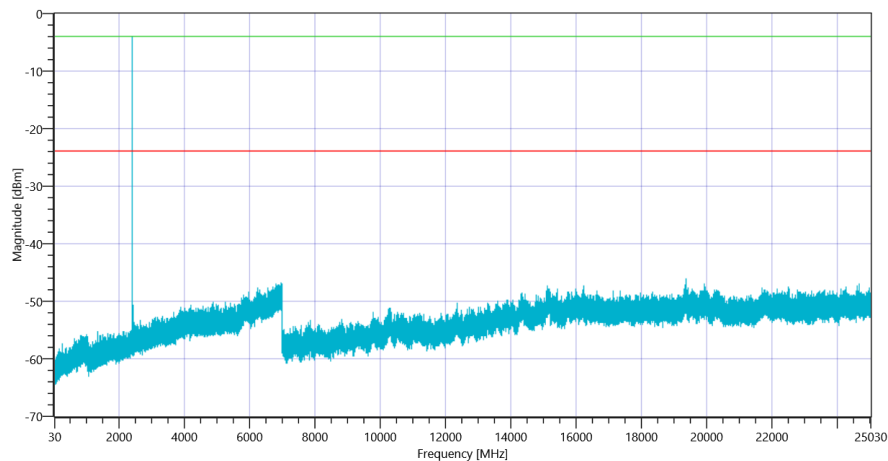
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

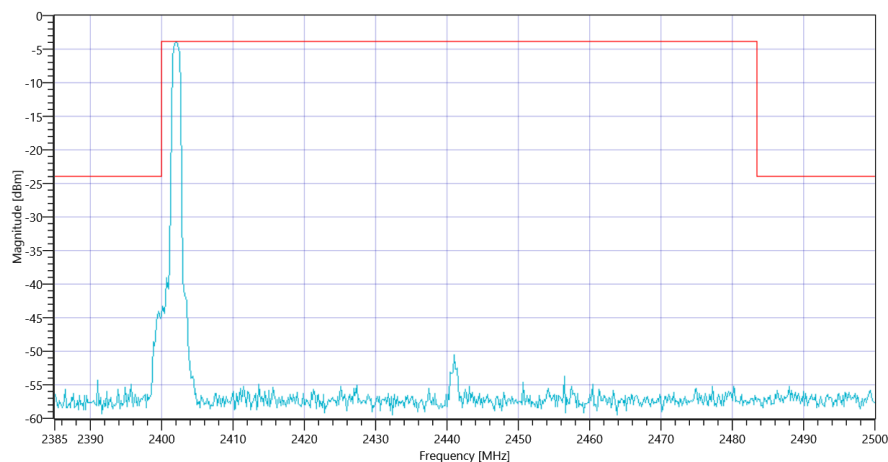
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.87 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.17 MHz	---	---	-3.92	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.5 MHz	0	---	20.11	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2402_19032020_141746.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2402_19032020_141749.png

Test at TX 2441 MHz

BT Classic Connection check

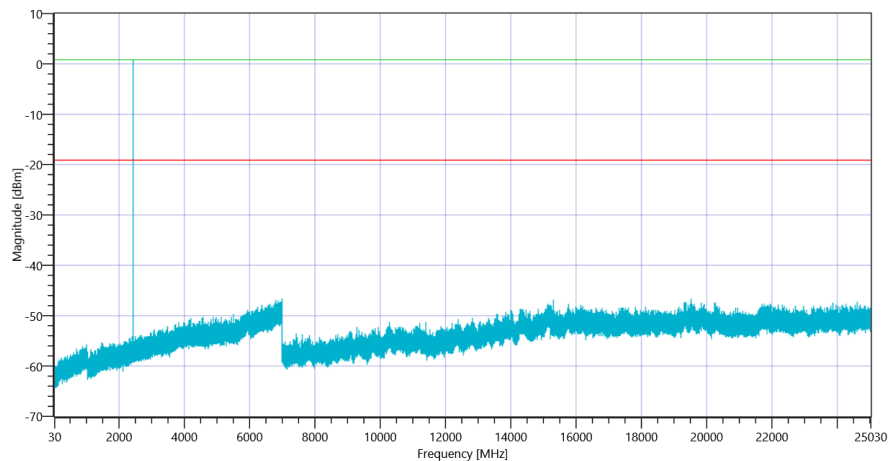
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

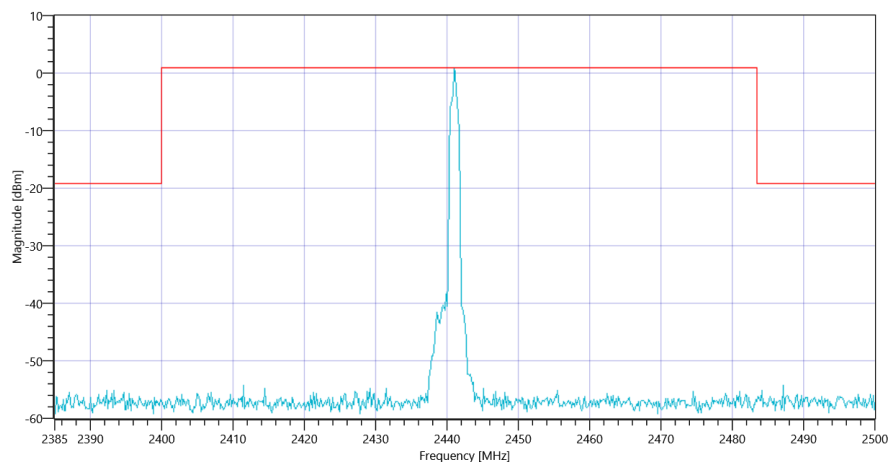
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.80 0 25				
Start [MHz] Stop [MHz]	24530.000 25030.000				
RBW [MHz] VBW [MHz]	0.100000 0.300000				
Detector TraceMode	POS MAXH				
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE				

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz	---	---	0.86	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19520.333 MHz	0	---	27.55	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2441_19032020_142235.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2441_19032020_142238.png

Test at TX 2480 MHz

BT Classic Connection check

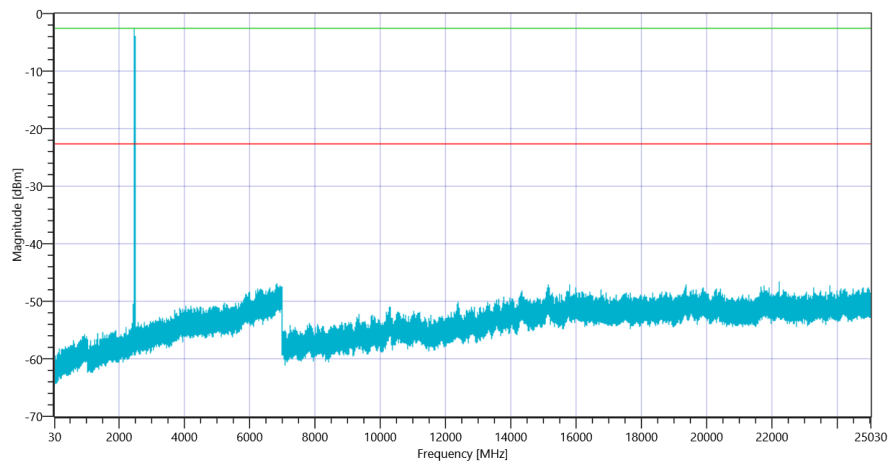
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

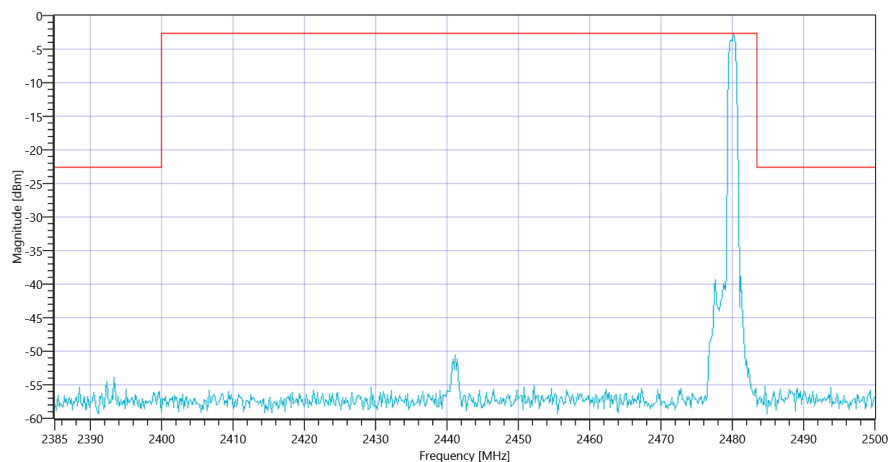
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.97 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz	---	---	-2.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 22225.5 MHz	0	---	24.08	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2480_19032020_142724.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR Pi-4DQPSK 2480_19032020_142727.png

TEST FINISHED

General Verdict	19.03.2020 14:27:29 / RT: 873 s	PASS
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7. FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK

Test References	
TC Start	19.03.2020 14:35:46
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

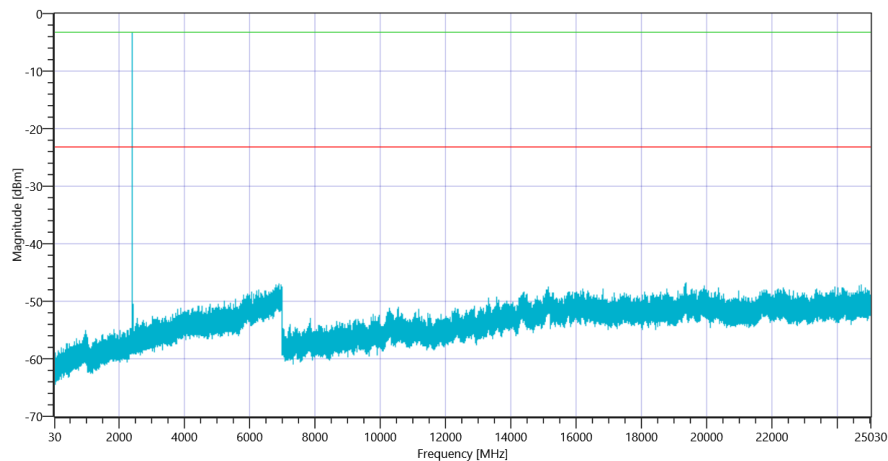
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

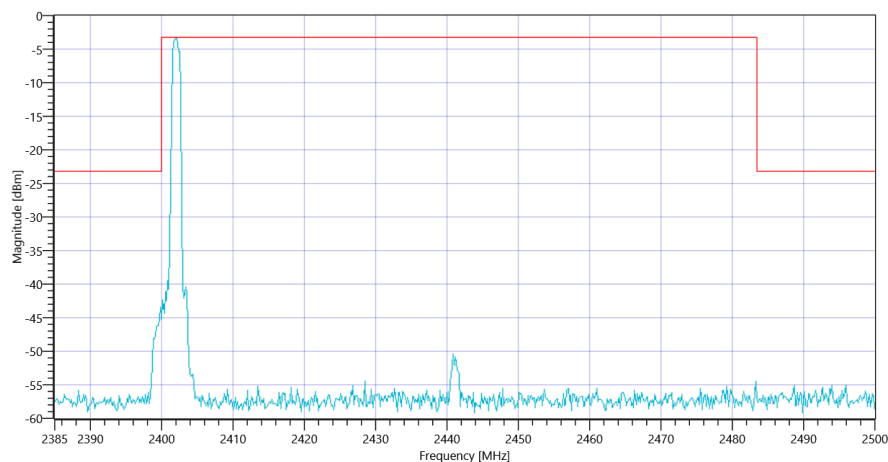
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.49 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.17 MHz	---	---	-3.22	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	20.21	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2402_19032020_144040.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2402_19032020_144043.png

Test at TX 2441 MHz

BT Classic Connection check

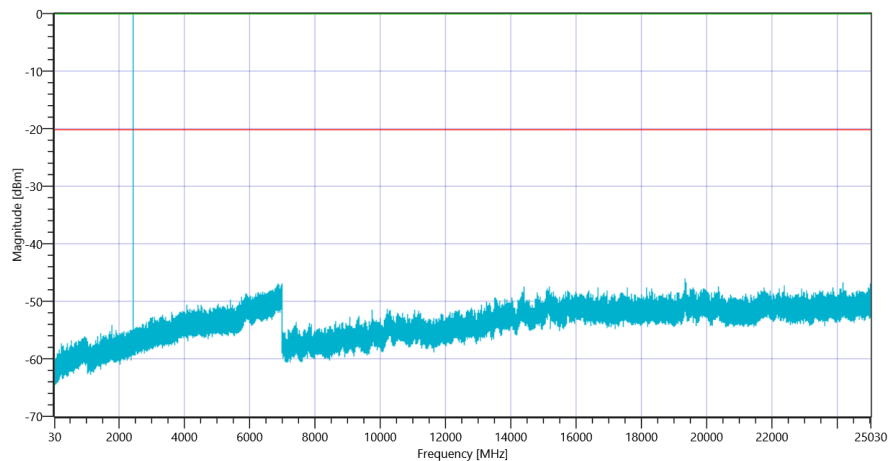
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

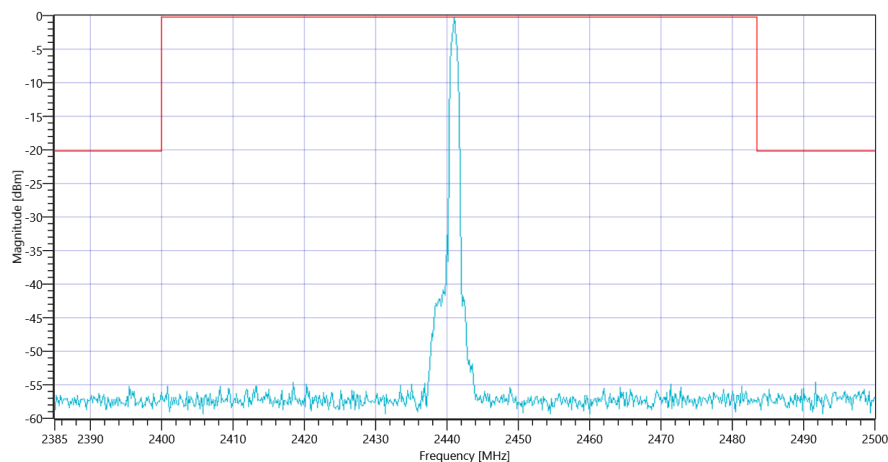
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.96 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz	---	---	-0.17	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19335 MHz	0	---	25.88	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2441_19032020_144529.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2441_19032020_144532.png

Test at TX 2480 MHz

BT Classic Connection check

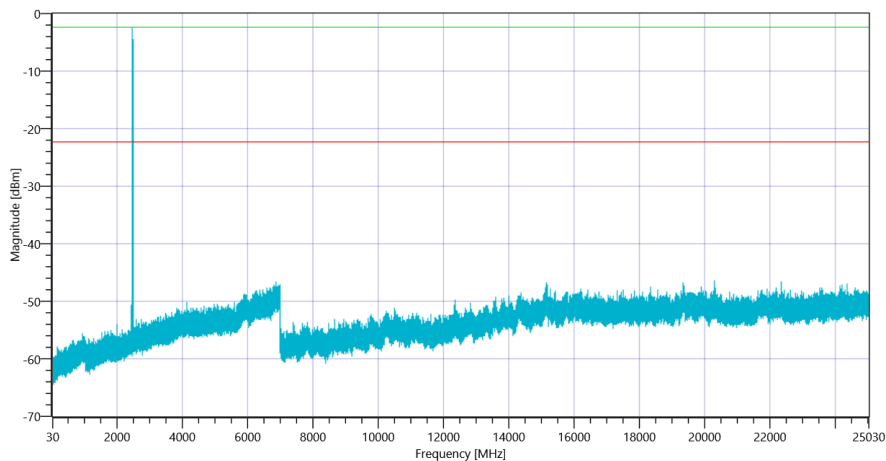
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

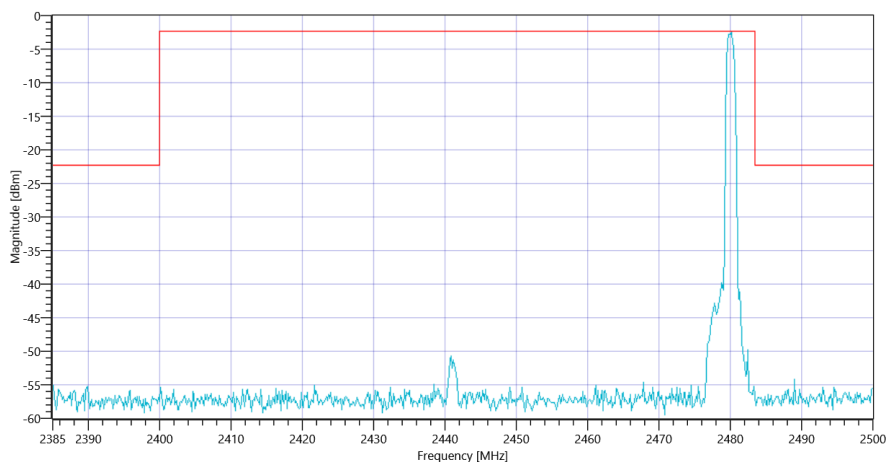
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.25 0 25
Start [MHz] Stop [MHz]	24530.000 25030.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz	---	---	-2.36	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 20305.5 MHz	0	---	24.11	dB	INFO



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2480_19032020_145018.png



Plot_FCC Part 15.247 TX Spurious Conducted ~ BT Classic EDR 8DPSK 2480_19032020_145021.png

TEST FINISHED

General Verdict

19.03.2020 14:50:23 / RT: 876 s

PASS

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

Test References	
TC Start	19.03.2020 13:43:31
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

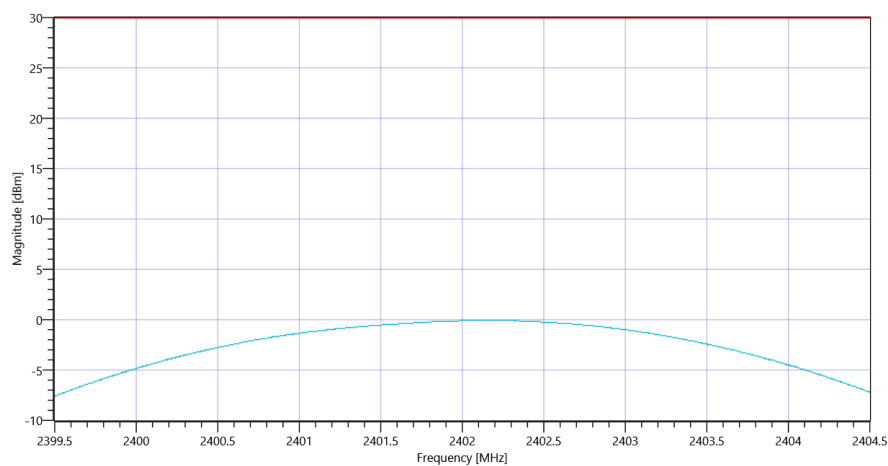
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.59 10.09 15
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	-0.08	dBm	PASS
Peak Power	---	1000	0.981748	mW	PASS
Frequency at Peak	---	---	2402.12	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_19032020_134406.png

Test at TX 2441 MHz

BT Classic Connection check

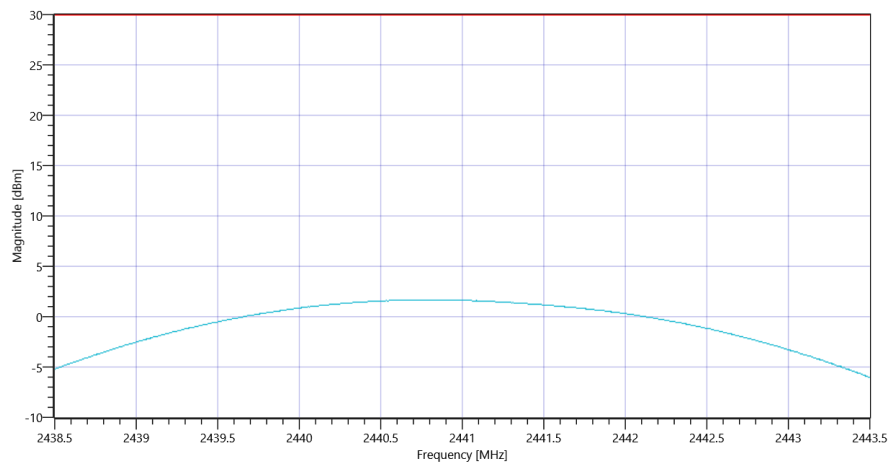
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.32 10.1 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	1.68	dBm	PASS
Peak Power	---	1000	1.472313	mW	PASS
Frequency at Peak	---	---	2440.73	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_19032020_134432.png

Test at TX 2480 MHz

BT Classic Connection check

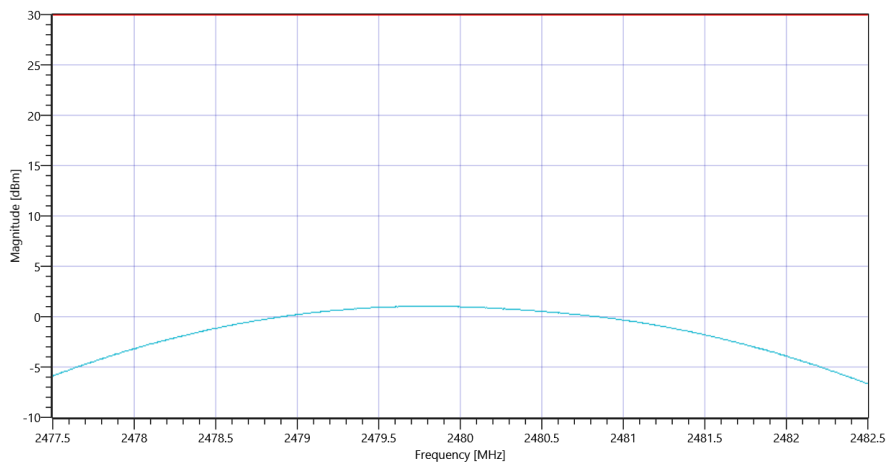
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.68 10.15 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	1.04	dBm	PASS
Peak Power	---	1000	1.270574	mW	PASS
Frequency at Peak	---	---	2479.735	MHz	Information



TEST FINISHED

General Verdict	19.03.2020 13:44:59 / RT: 87 s	PASS
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9. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	19.03.2020 14:06:17
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

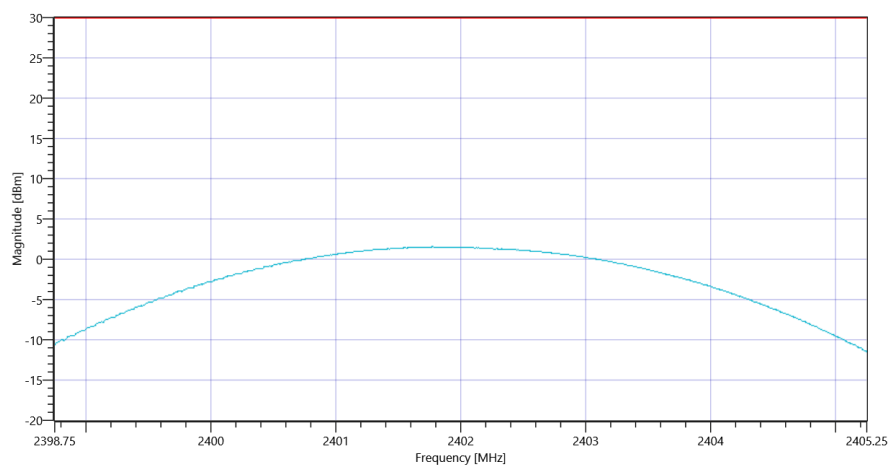
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.35 10.09 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	1.54	dBm	PASS
Peak Power	---	1000	1.425608	mW	PASS
Frequency at Peak	---	---	2401.779	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_19032020_140649.png

Test at TX 2441 MHz

BT Classic Connection check

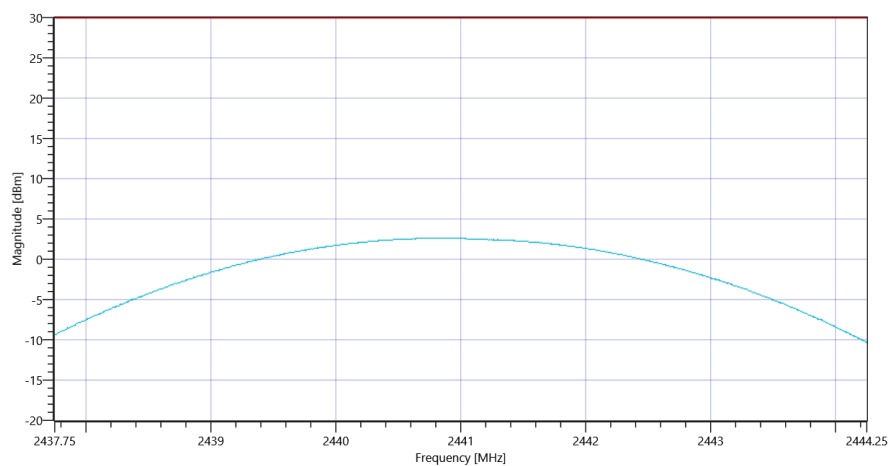
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.44 10.1 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.61	dBm	PASS
Peak Power	---	1000	1.823896	mW	PASS
Frequency at Peak	---	---	2440.825	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_19032020_140715.png

Test at TX 2480 MHz

BT Classic Connection check

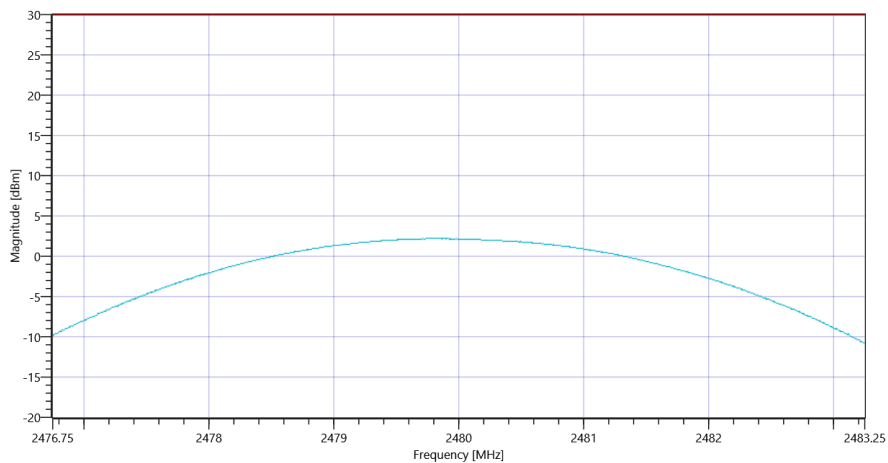
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.91 10.15 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.2	dBm	PASS
Peak Power	---	1000	1.659587	mW	PASS
Frequency at Peak	---	---	2479.838	MHz	Information



TEST FINISHED

General Verdict	19.03.2020 14:07:41 / RT: 84 s	PASS
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10. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK

Test References	
TC Start	19.03.2020 14:29:06
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX 2402 MHz

BT Classic Connection check

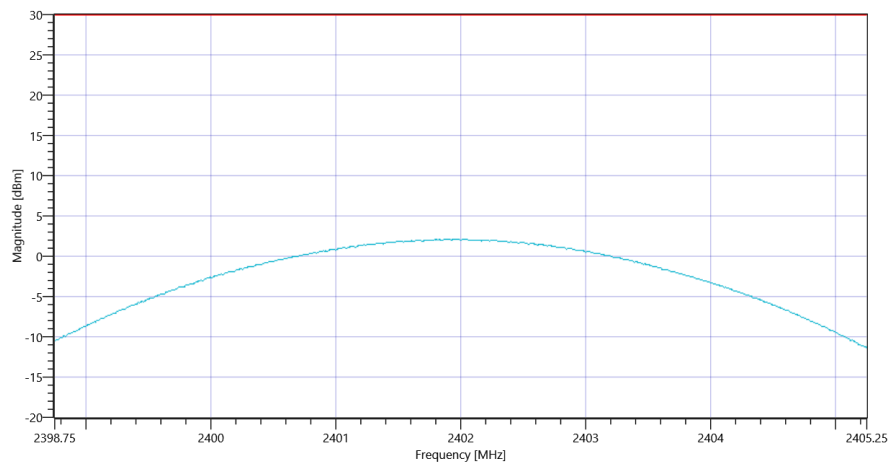
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.44 10.09 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.07	dBm	PASS
Peak Power	---	1000	1.610646	mW	PASS
Frequency at Peak	---	---	2401.974	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_19032020_142941.png

Test at TX 2441 MHz

BT Classic Connection check

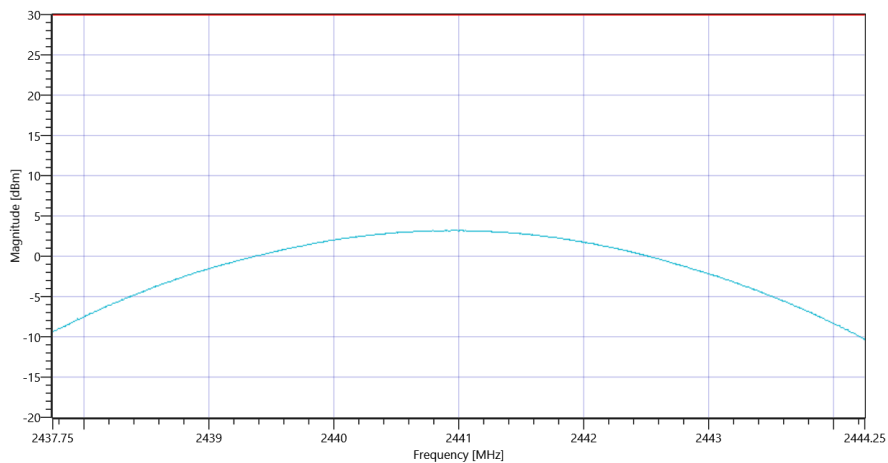
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.18 10.1 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.19	dBm	PASS
Peak Power	---	1000	2.084491	mW	PASS
Frequency at Peak	---	---	2440.961	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_19032020_143007.png

Test at TX 2480 MHz

BT Classic Connection check

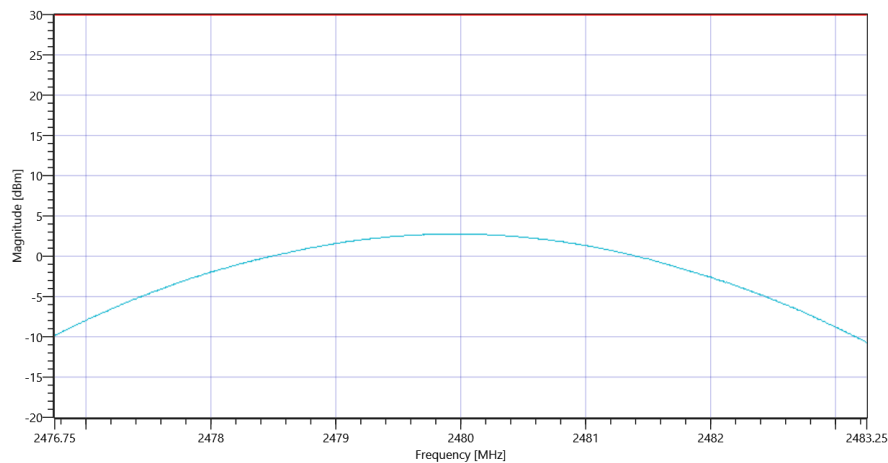
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.72 10.15 20
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

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.77	dBm	PASS
Peak Power	---	1000	1.892344	mW	PASS
Frequency at Peak	---	---	2479.948	MHz	Information



TEST FINISHED

General Verdict	19.03.2020 14:30:34 / RT: 87 s	PASS
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11. FCC Part 15.247 Number Of Hopping Channels FHSS ~ BT Classic Basic rate

Test References	
TC Start	19.03.2020 13:45:03
System Version	1.0.0.40
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,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

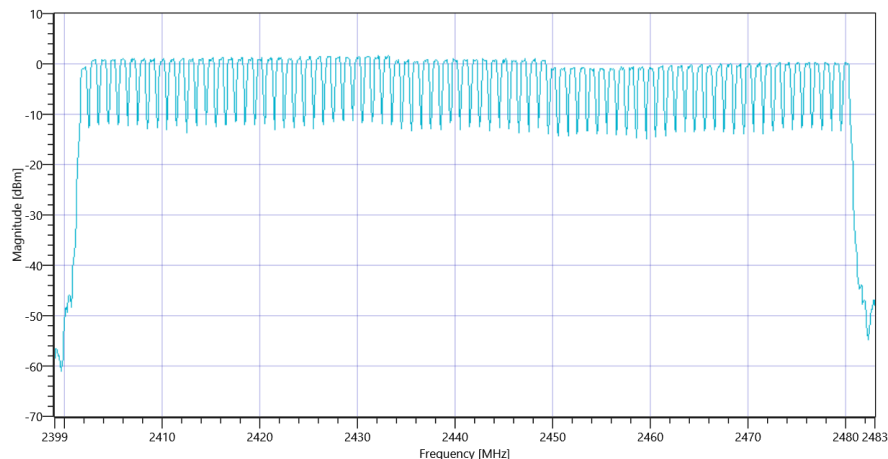
Test at TX hopping MHz

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]			6.59 10.1 15		
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)	---	---	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_19032020_134549.png

TEST FINISHED

General Verdict

19.03.2020 13:45:49 / RT: 46 s

PASS

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

Test References	
TC Start	19.03.2020 13:45:53
System Version	1.0.0.40
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	

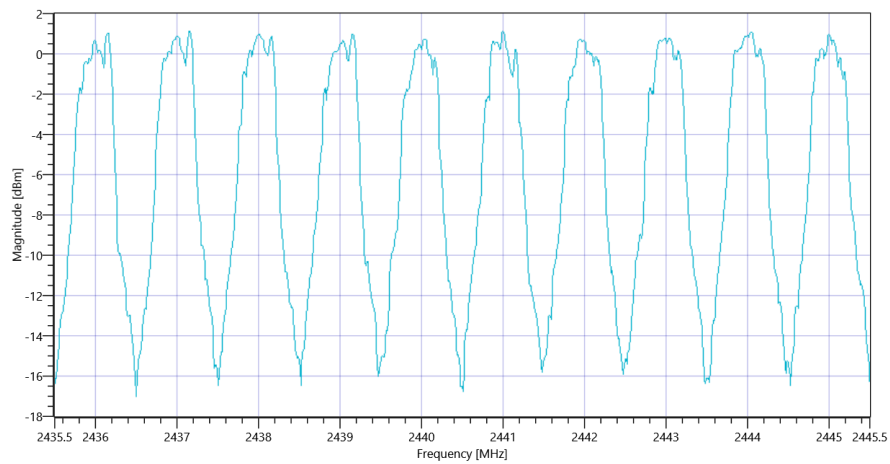
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 2402
Frequency mid to test	False Freq [MHz] 2441
Frequency high to test	False Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.170 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

Test at TX hopping MHz

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]			6.67 10.1 15		
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	---	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	INFO
Carrier Freq. (rnd)	---	---	2437	MHz	INFO
Carrier Freq. (rnd)	---	---	2438	MHz	INFO
Carrier Freq. (rnd)	---	---	2439	MHz	INFO
Carrier Freq. (rnd)	---	---	2440	MHz	INFO
Carrier Freq. (rnd)	---	---	2441	MHz	INFO
Carrier Freq. (rnd)	---	---	2442	MHz	INFO
Carrier Freq. (rnd)	---	---	2443	MHz	INFO
Carrier Freq. (rnd)	---	---	2444	MHz	INFO
Carrier Freq. (rnd)	---	---	2445	MHz	INFO



Plot_FCC Part 15.247 Carrier Frequency Separation FHSS ~ BT Classic Basic rate_19032020_134752.png

TEST FINISHED

General Verdict

19.03.2020 13:47:52 / RT: 118 s

PASS

- END OF DOCUMENT -