Measurement Results

1-9148/19-01-02_MR_A

Test logging

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Document authorized:

Jörg Warken
Lab Manager
Radio Communications & EMC

CTC advanced GmbH
Untertuerkheimer Strasse 6-10
66117 Saarbruecken / Germany
Phone: +49 681 5 98 - 0
Fax: +49 681 5 98 - 9075
web: ctcadvanced.com
e-mail: mail@ctcadvanced.com

Table of Content

IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	Ingenico
Type	Lane/3000 CL/Eth/WiFi/BT
Serial No. | Setup No.	181397313011070602695500 | 1
SW Version | HW Version	NI | NI
Comment 1 | 2	|
Tlow | Tmid | Thigh [°C]	0 | 24 | 40
Vlow | Vmid | Vhigh [V] @Imax [A]	8 V DC / 115 V AC by mains adapter PSC16A-080L6
Auto Control enabled Power Supply | Climatic Box	No | No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0.6

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	None
Perform Inquiry	Yes
IUT BT Address	0123456789AB
Signaling BT Addess	BABEBEDADBAD
Switch Matrix & Pathcompensation enabled	Yes

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

Test References	
TC Start	14.01.2020 13:11:00
System Version	1.0.0.29
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1 | TCID_Common2G4_1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic Basic Rate
Add. Information	

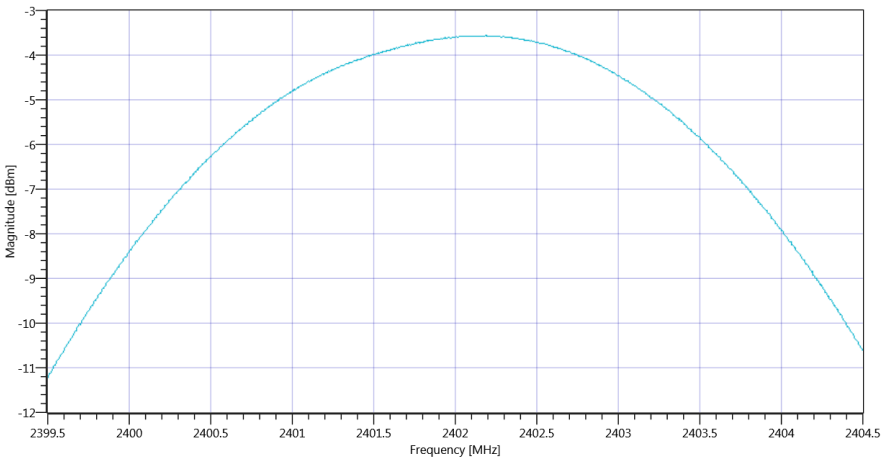
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.25 | 10.41 | 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: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	-3.56	dBm	Information
Peak Power	---	---	0.440555	mW	Information
Frequency at Peak	---	---	2402.185	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_14012020_131138.png

TEST FINISHED		
General Verdict	14.01.2020 13:11:39 / RT: 38 s	PASS

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

Test References	
TC Start	14.01.2020 15:03:37
System Version	1.0.0.29
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1 | TCID_Common2G4_1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic Basic Rate
Add. Information	

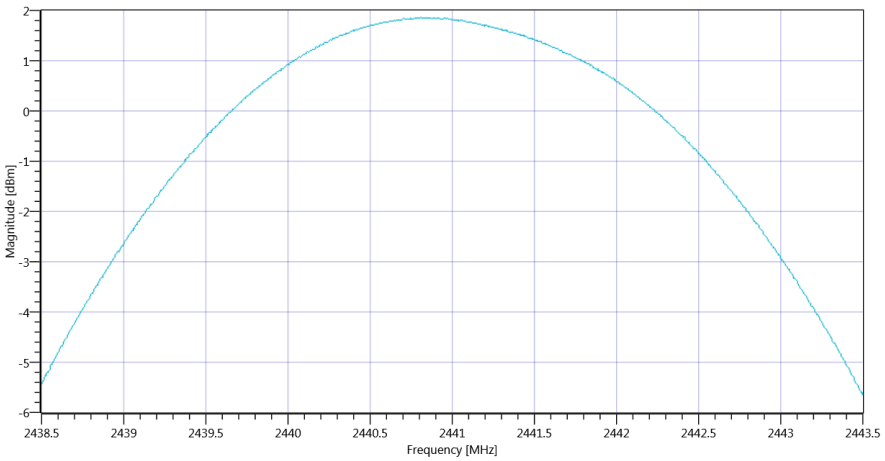
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.58 | 10.5 | 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: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	1.86	dBm	Information
Peak Power	---	---	1.534617	mW	Information
Frequency at Peak	---	---	2440.81	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_14012020_150411.png

TEST FINISHED		
General Verdict	14.01.2020 15:04:11 / RT: 34 s	PASS

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

Test References	
TC Start	14.01.2020 15:11:16
System Version	1.0.0.29
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01 Version: 0.0.1 | TCID_Common2G4_1
My Description	Peak Output Power conducted 3MHz/3MHz - BT Classic Basic Rate
Add. Information	

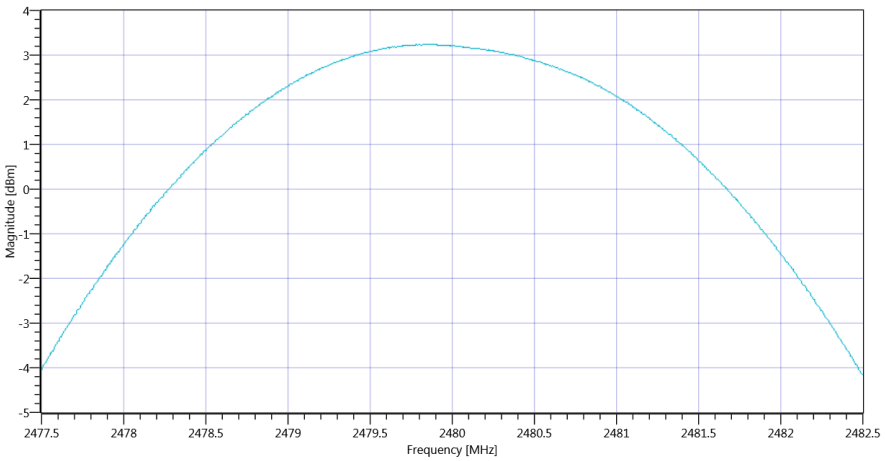
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.98 | 10.55 | 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: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	3.24	dBm	Information
Peak Power	---	---	2.108628	mW	Information
Frequency at Peak	---	---	2479.875	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_14012020_151152.png

TEST FINISHED		
General Verdict	14.01.2020 15:11:53 / RT: 36 s	PASS

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

Test References	
TC Start	14.01.2020 13:11:43
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic Basic Rate
Add. Information	

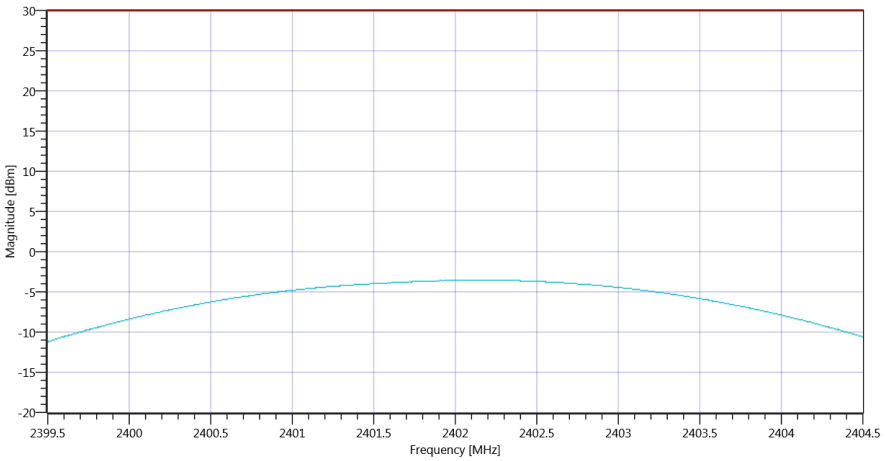
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.34 | 10.41 | 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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	-3.55	dBm	PASS
Peak Power	---	1000	0.44157	mW	PASS
Frequency at Peak	---	---	2402.15	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_14012020_131215.png

TEST FINISHED		
General Verdict	14.01.2020 13:12:16 / RT: 32 s	PASS

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

Test References	
TC Start	14.01.2020 15:04:17
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic Basic Rate
Add. Information	

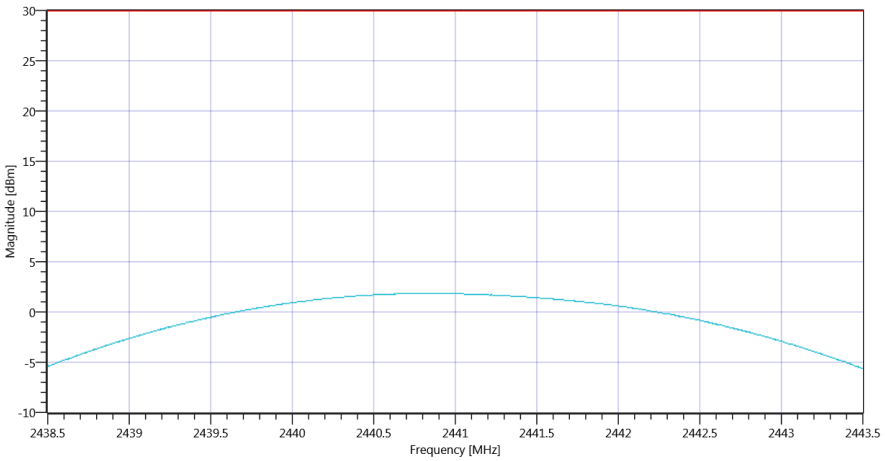
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.58 | 10.5 | 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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	1.86	dBm	PASS
Peak Power	---	1000	1.534617	mW	PASS
Frequency at Peak	---	---	2440.8	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_14012020_150445.png

TEST FINISHED		
General Verdict	14.01.2020 15:04:46 / RT: 28 s	PASS

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

Test References	
TC Start	14.01.2020 15:11:57
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic Basic Rate
Add. Information	

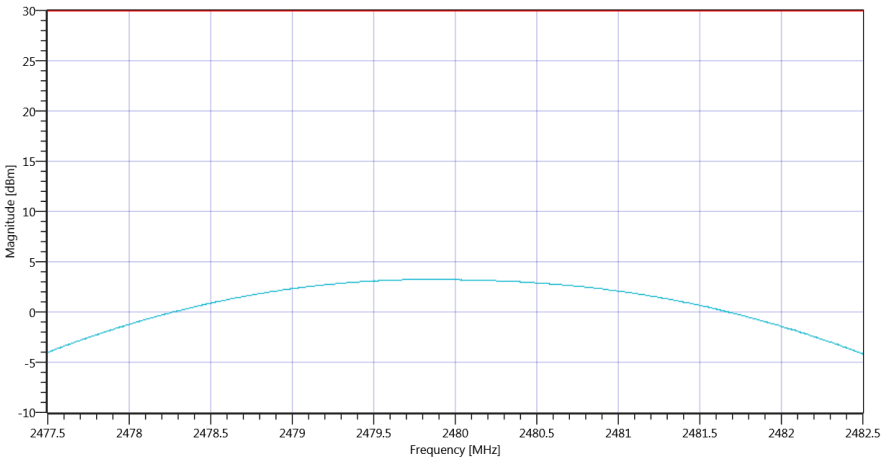
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.98 | 10.55 | 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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	3.26	dBm	PASS
Peak Power	---	1000	2.118361	mW	PASS
Frequency at Peak	---	---	2479.895	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_14012020_151225.png

TEST FINISHED		
General Verdict	14.01.2020 15:12:26 / RT: 28 s	PASS

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

Test References	
TC Start	14.01.2020 13:12:20
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic Basic Rate
Add. Information	

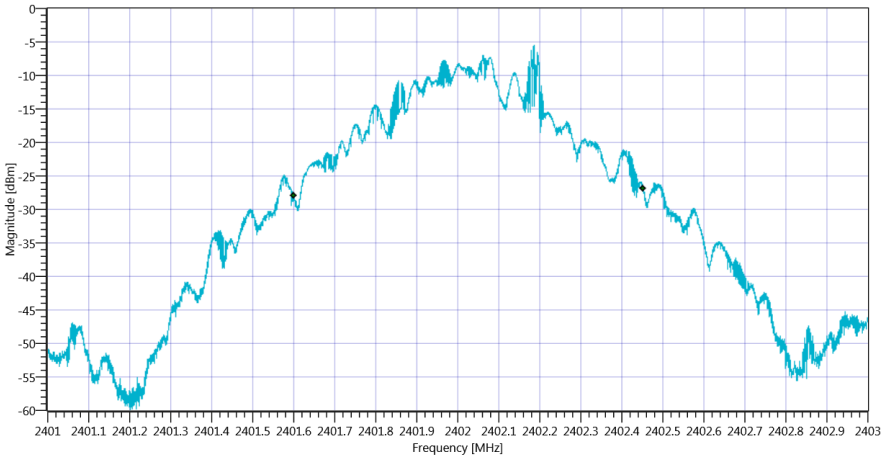
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

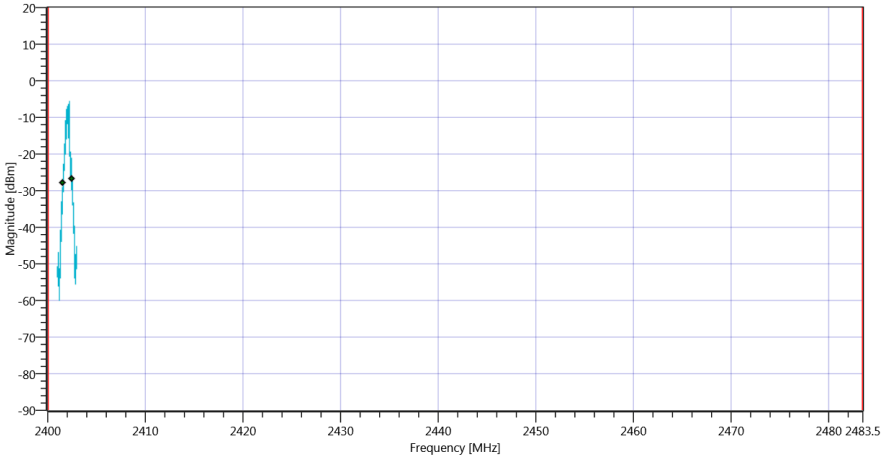
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	1.31 | 10.41 | 10
Start [MHz] | Stop [MHz]	2401.000 | 2403.000
RBW [MHz] | VBW [MHz]	0.020000 | 0.050000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	854	kHz	Information
T1 99%	2400.000000	---	2401.5990	MHz	PASS
T2 99%	---	2483.500000	2402.4528	MHz	PASS



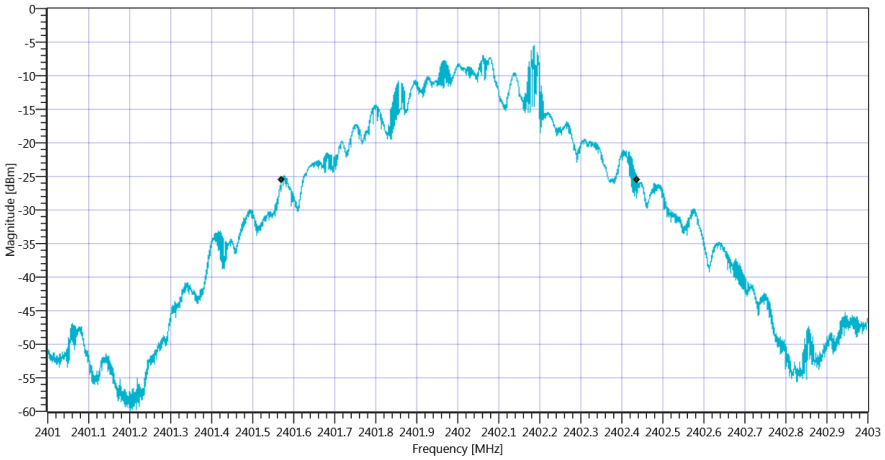
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_14012020_131310.png



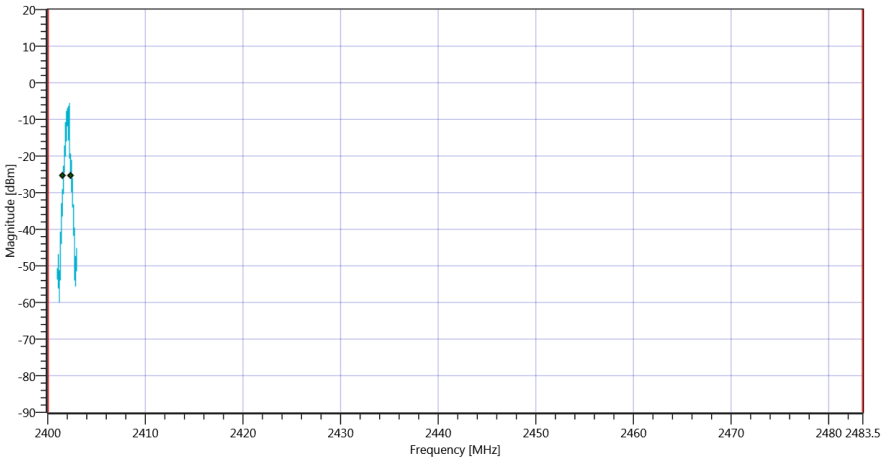
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_131314.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	867	kHz	Information
T1 20DB	2400.000000	---	2401.5706	MHz	PASS
T2 20dB	---	2483.500000	2402.4374	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_14012020_131320.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_131324.png

TEST FINISHED		
General Verdict	14.01.2020 13:13:25 / RT: 64 s	PASS

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

Test References	
TC Start	14.01.2020 15:04:50
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic Basic Rate
Add. Information	

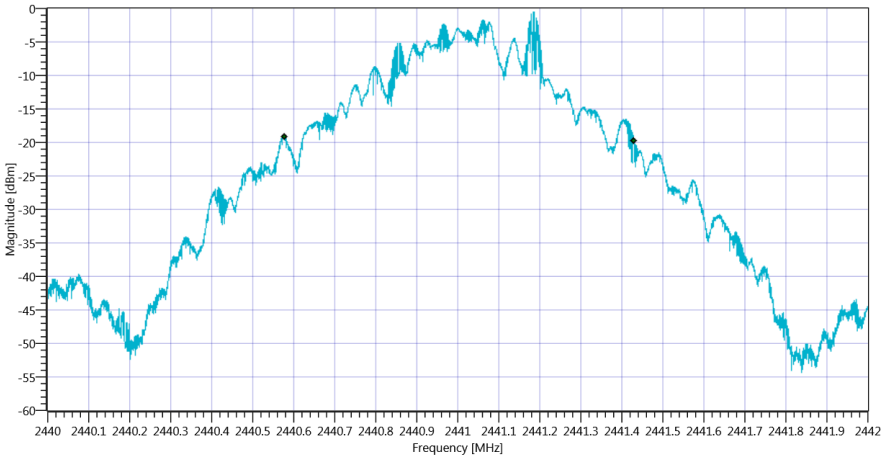
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

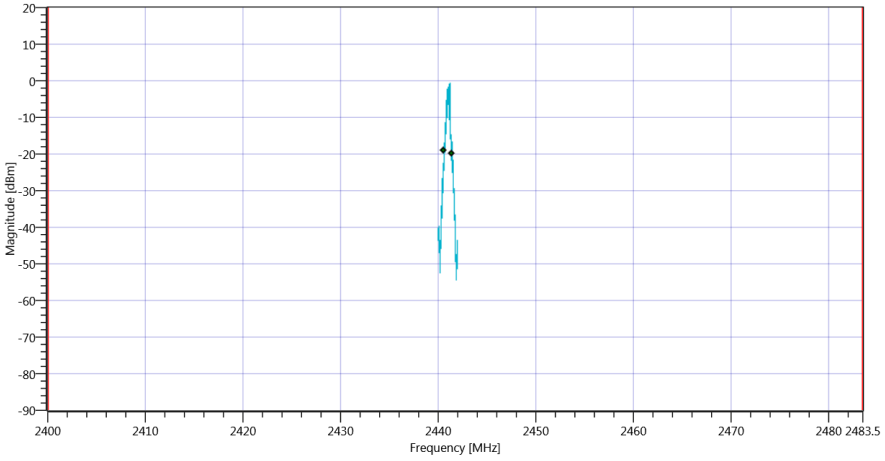
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.62 | 10.5 | 15
Start [MHz] | Stop [MHz]	2440.000 | 2442.000
RBW [MHz] | VBW [MHz]	0.020000 | 0.050000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	853	kHz	Information
T1 99%	2400.000000	---	2440.5778	MHz	PASS
T2 99%	---	2483.500000	2441.4308	MHz	PASS



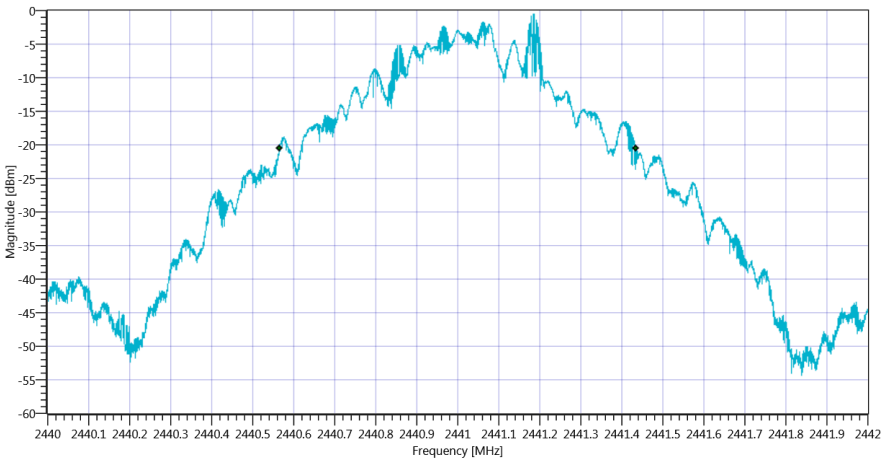
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_14012020_150520.png



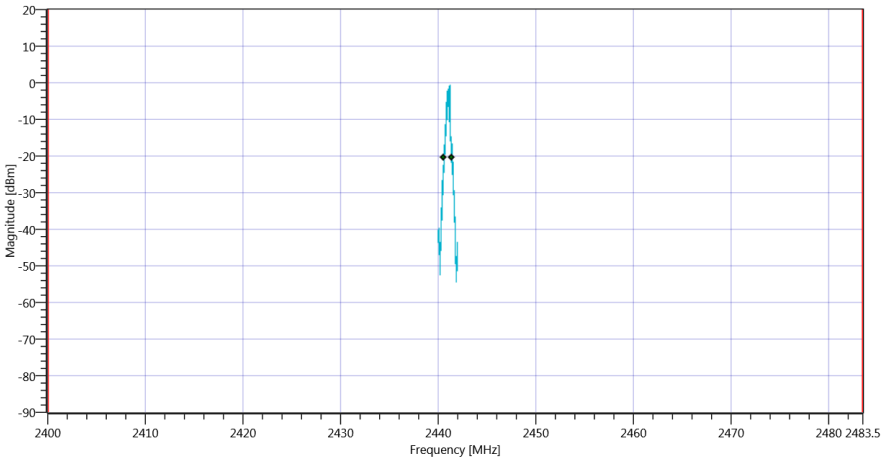
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_150524.png

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	---	2440.5650	MHz	PASS
T2 20dB	---	2483.500000	2441.4336	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_14012020_150530.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_150534.png

TEST FINISHED		
General Verdict	14.01.2020 15:05:34 / RT: 44 s	PASS

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

Test References	
TC Start	14.01.2020 15:12:30
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic Basic Rate
Add. Information	

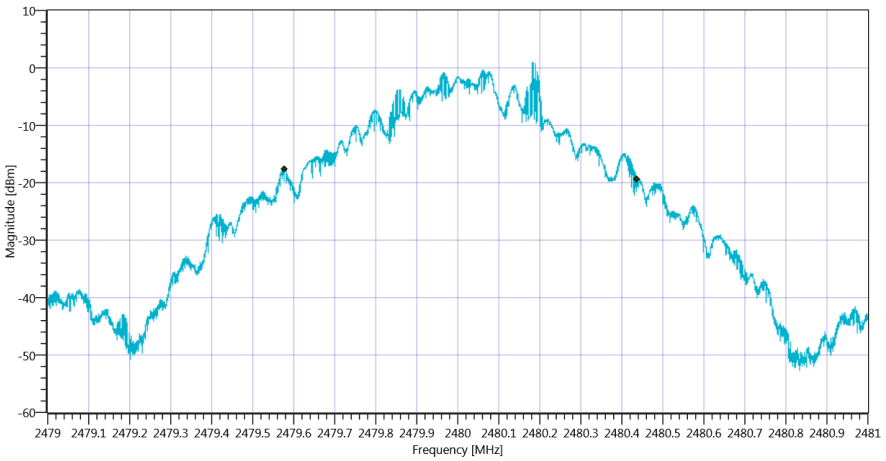
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

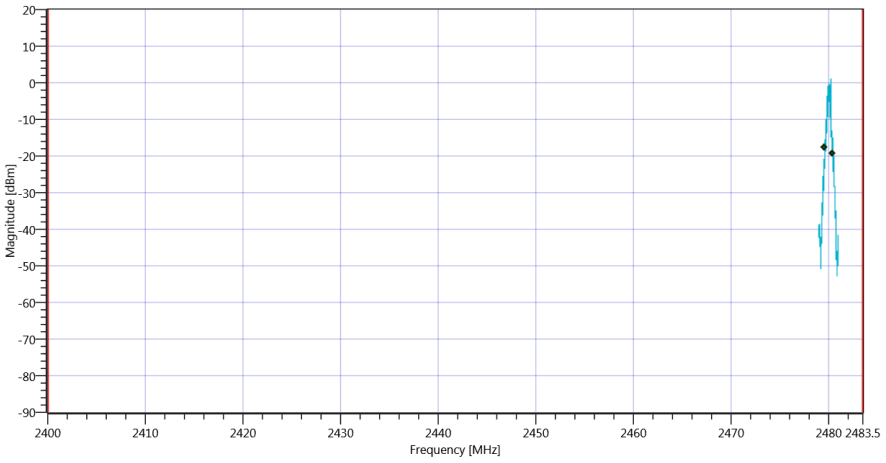
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	8.00 | 10.55 | 15
Start [MHz] | Stop [MHz]	2479.000 | 2481.000
RBW [MHz] | VBW [MHz]	0.020000 | 0.050000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	859	kHz	Information
T1 99%	2400.000000	---	2479.5774	MHz	PASS
T2 99%	---	2483.500000	2480.4368	MHz	PASS



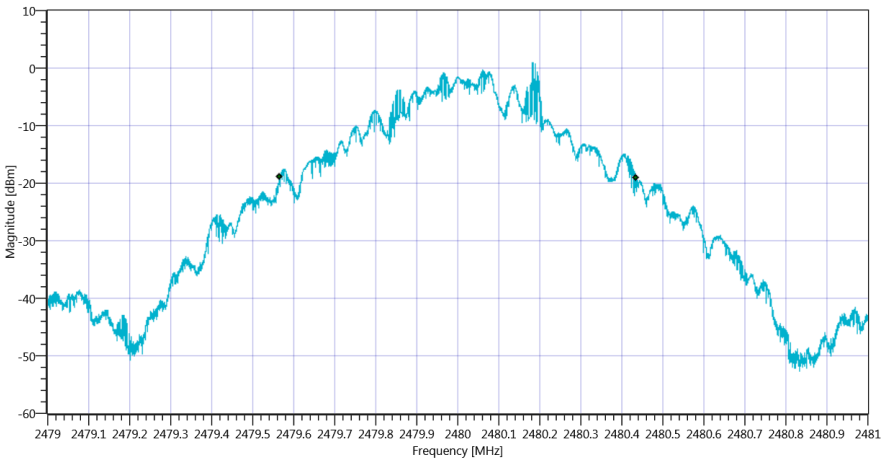
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_14012020_151303.png



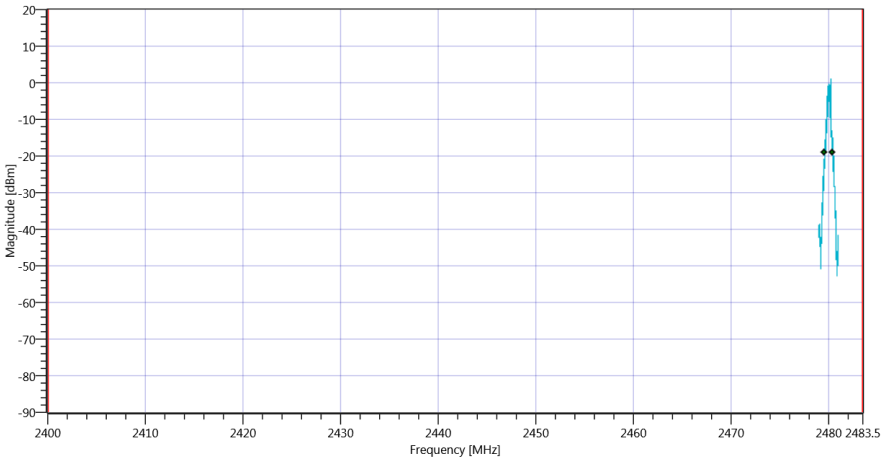
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_151307.png

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	---	2479.5662	MHz	PASS
T2 20dB	---	2483.500000	2480.4352	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_14012020_151313.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_14012020_151317.png

TEST FINISHED		
General Verdict	14.01.2020 15:13:18 / RT: 47 s	PASS

10. FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate

Test References	
TC Start	14.01.2020 13:13:29
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic Basic Rate
Add. Information	

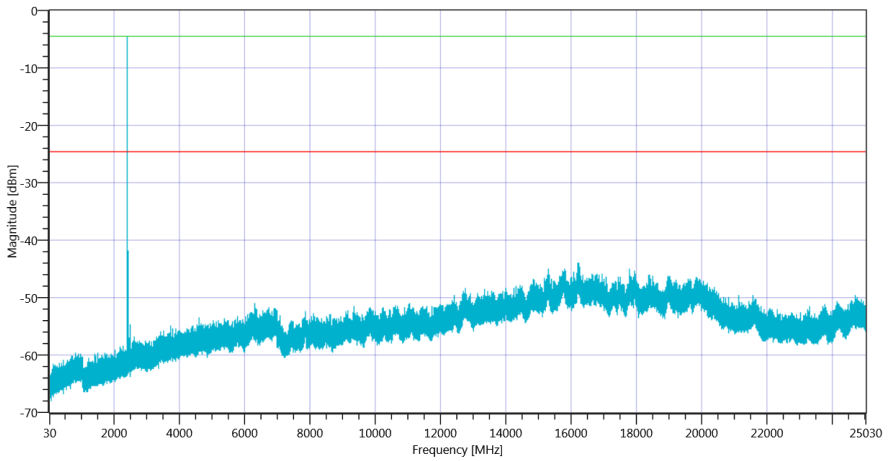
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

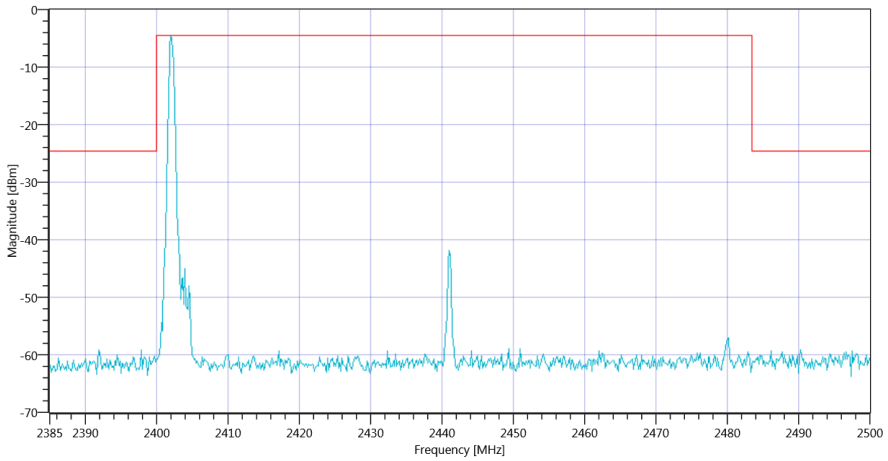
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	1.62 | 0 | 20
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	---	---	-4.56	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2402_14012020_131820.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2402_14012020_131823.png

TEST FINISHED		
General Verdict	14.01.2020 13:18:25 / RT: 295 s	PASS

11. FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate

Test References	
TC Start	14.01.2020 15:05:39
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic Basic Rate
Add. Information	

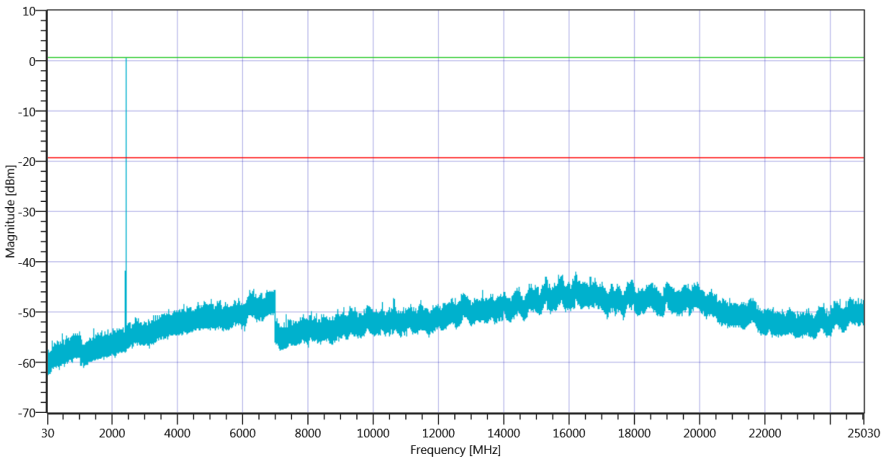
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

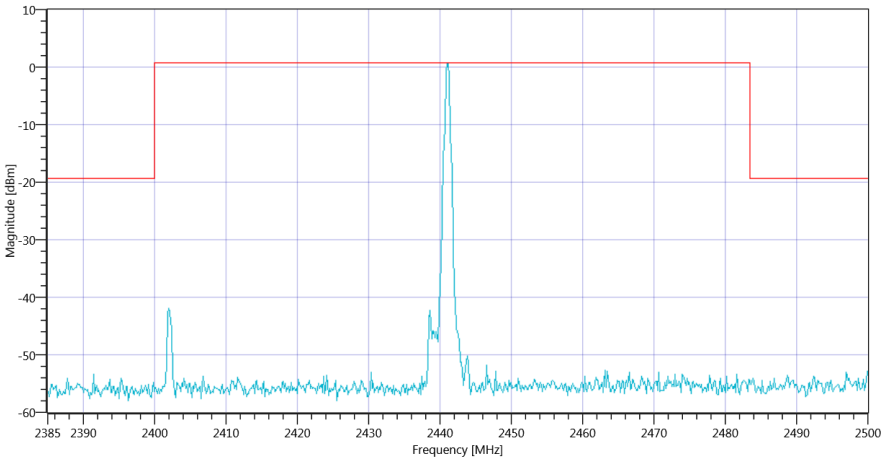
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.90 | 0 | 25
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.17 MHz	---	---	0.71	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2441_14012020_151037.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2441_14012020_151040.png

TEST FINISHED		
General Verdict	14.01.2020 15:10:42 / RT: 302 s	PASS

12. FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate

Test References	
TC Start	14.01.2020 15:13:22
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic Basic Rate
Add. Information	

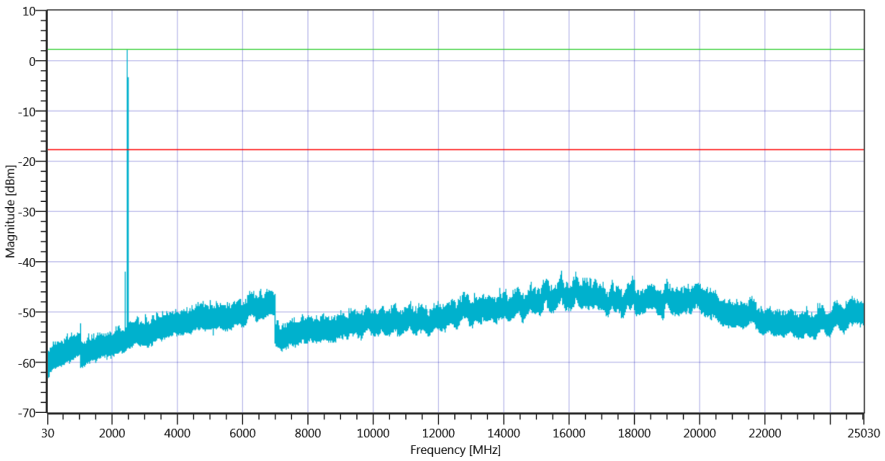
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

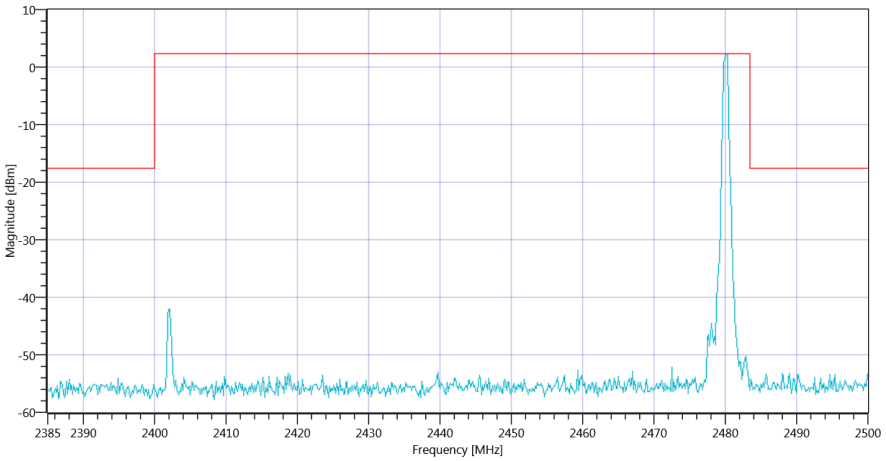
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	8.10 | 0 | 25
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz	---	---	2.32	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2480_14012020_151813.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2480_14012020_151815.png

TEST FINISHED		
General Verdict	14.01.2020 15:18:17 / RT: 294 s	PASS

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

Test References	
TC Start	14.01.2020 13:23:46
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Carrier_Frequency_Separation_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_9
My Description	FCC 15.247 Carrier Frequency Separation FHSS - BT Classic Basic Rate
Add. Information	

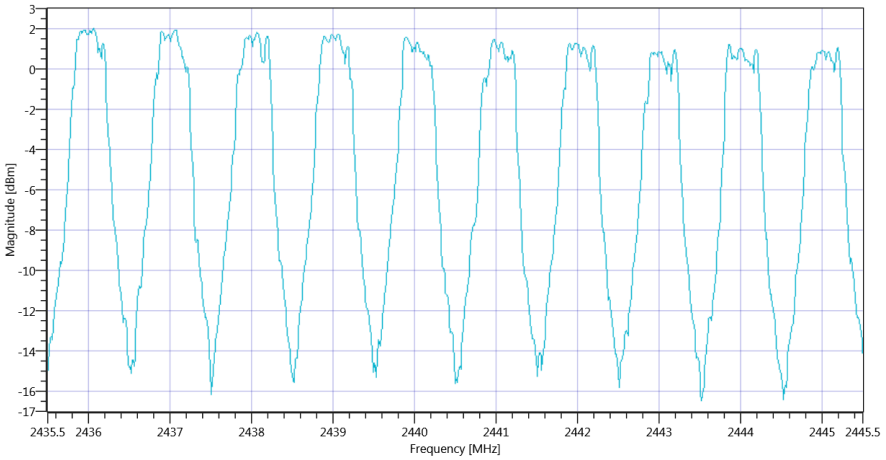
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	| SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX hopping MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	8.02 | 10.5 | 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: 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_14012020_133520.png

TEST FINISHED		
General Verdict	14.01.2020 13:35:20 / RT: 694 s	PASS

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

Test References	
TC Start	14.01.2020 13:35:25
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Number_of_hopping_channels_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_5
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-30,1321.3008K30/103170,3.60

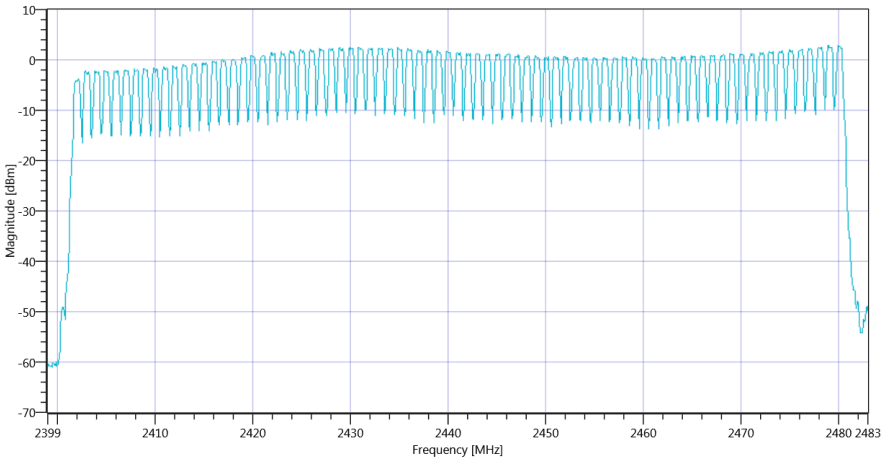
Test at TX hopping MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.85 | 10.5 | 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: 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_14012020_133614.png

TEST FINISHED		
General Verdict	14.01.2020 13:36:14 / RT: 49 s	PASS

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

Test References	
TC Start	14.01.2020 14:05:16
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

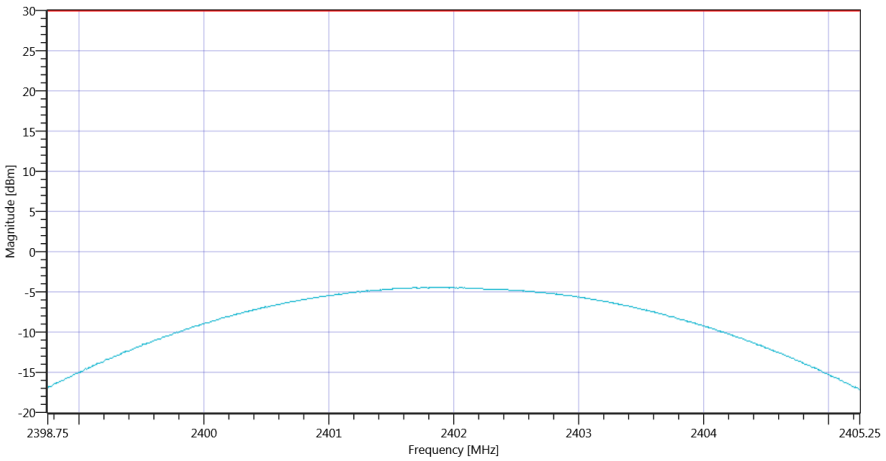
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.44 | 10.41 | 10
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	-4.44	dBm	PASS
Peak Power	---	1000	0.359749	mW	PASS
Frequency at Peak	---	---	2401.929	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_14012020_140544.png

TEST FINISHED		
General Verdict	14.01.2020 14:05:45 / RT: 29 s	PASS

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

Test References	
TC Start	14.01.2020 14:13:11
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

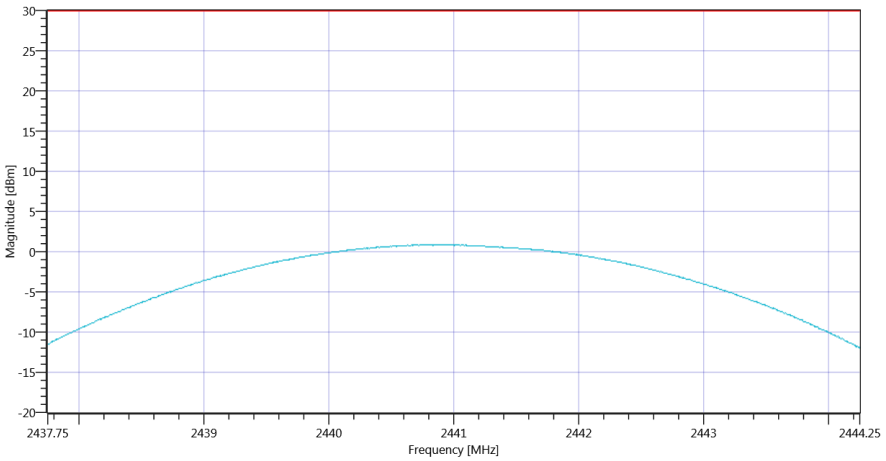
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.35 | 10.5 | 15
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	0.86	dBm	PASS
Peak Power	---	1000	1.21899	mW	PASS
Frequency at Peak	---	---	2440.954	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_14012020_141345.png

TEST FINISHED		
General Verdict	14.01.2020 14:13:46 / RT: 35 s	PASS

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

Test References	
TC Start	14.01.2020 14:21:14
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

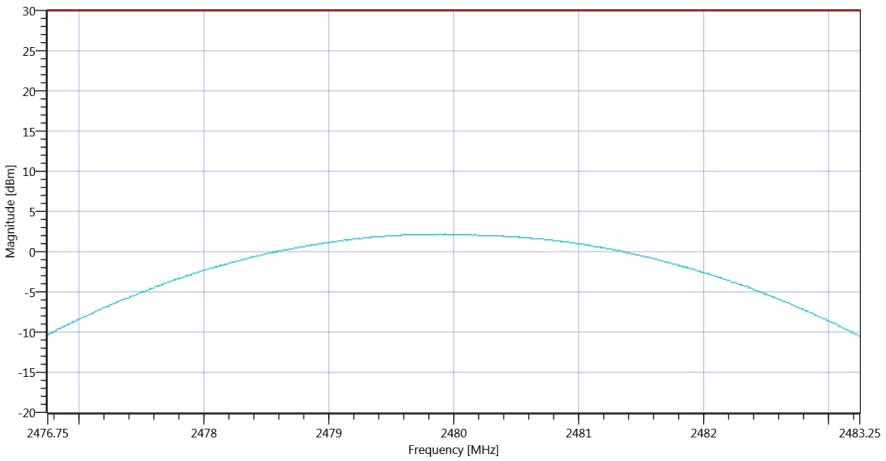
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	10.83 | 10.55 | 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: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	30.00	2.18	dBm	PASS
Peak Power	---	1000	1.651962	mW	PASS
Frequency at Peak	---	---	2479.929	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_14012020_142146.png

TEST FINISHED		
General Verdict	14.01.2020 14:21:47 / RT: 32 s	PASS

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

Test References	
TC Start	14.01.2020 14:05:49
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

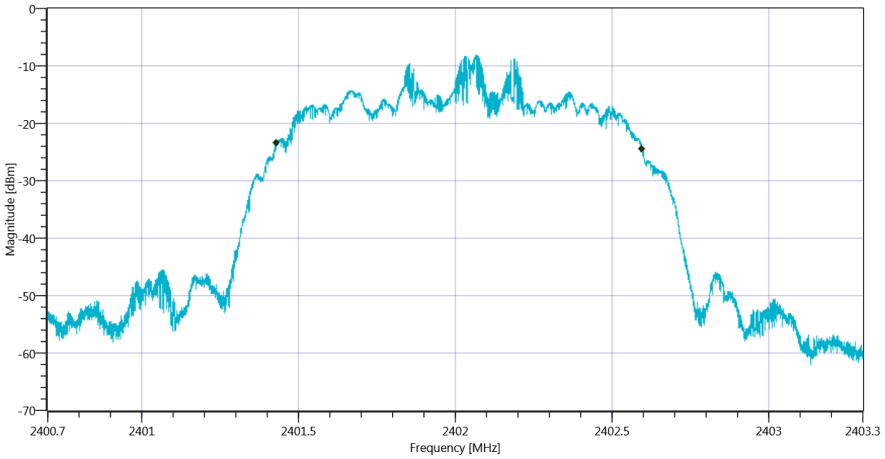
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

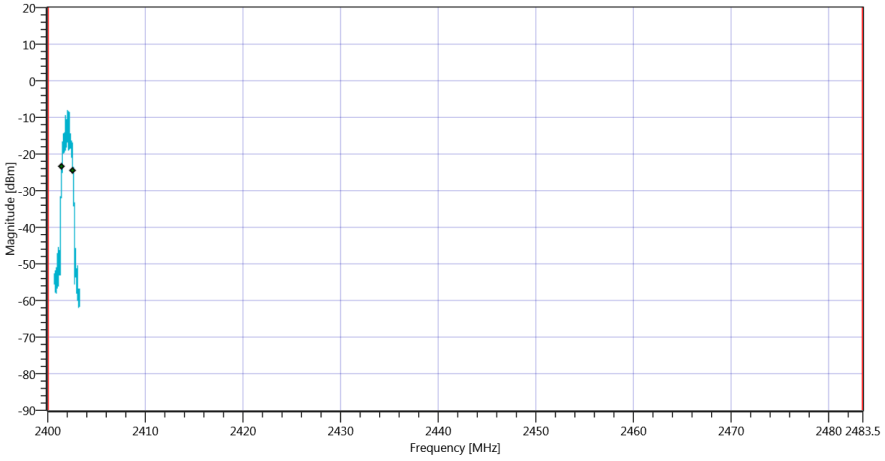
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-0.65 | 10.41 | 5
Start [MHz] | Stop [MHz]	2400.700 | 2403.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1168	kHz	Information
T1 99%	2400.000000	---	2401.4291	MHz	PASS
T2 99%	---	2483.500000	2402.5972	MHz	PASS



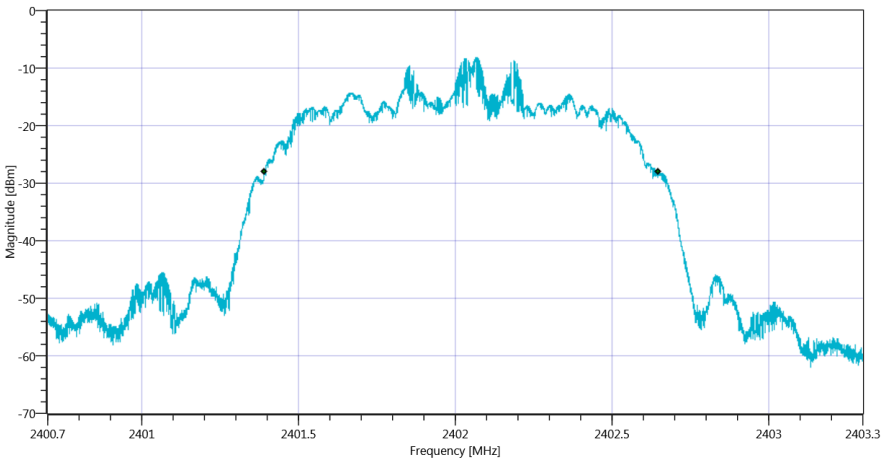
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_14012020_140621.png



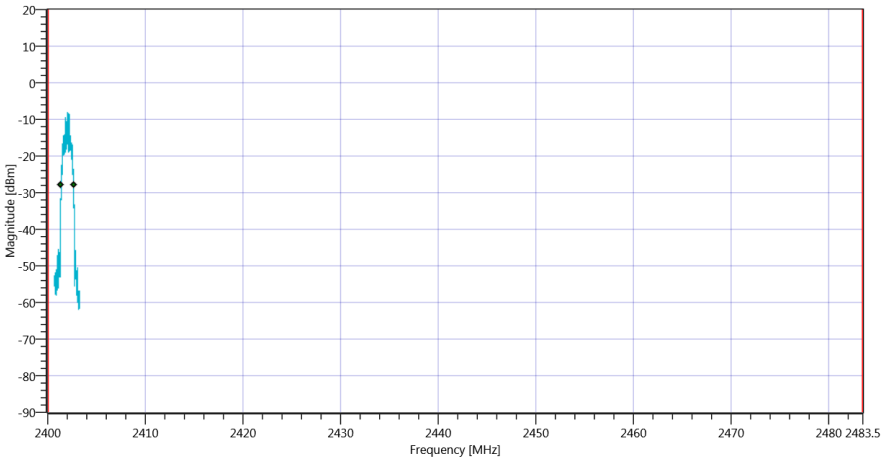
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_140625.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1255	kHz	Information
T1 20DB	2400.000000	---	2401.3919	MHz	PASS
T2 20dB	---	2483.500000	2402.6464	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_14012020_140630.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_140634.png

TEST FINISHED		
General Verdict	14.01.2020 14:06:35 / RT: 45 s	PASS

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

Test References	
TC Start	14.01.2020 14:13:50
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

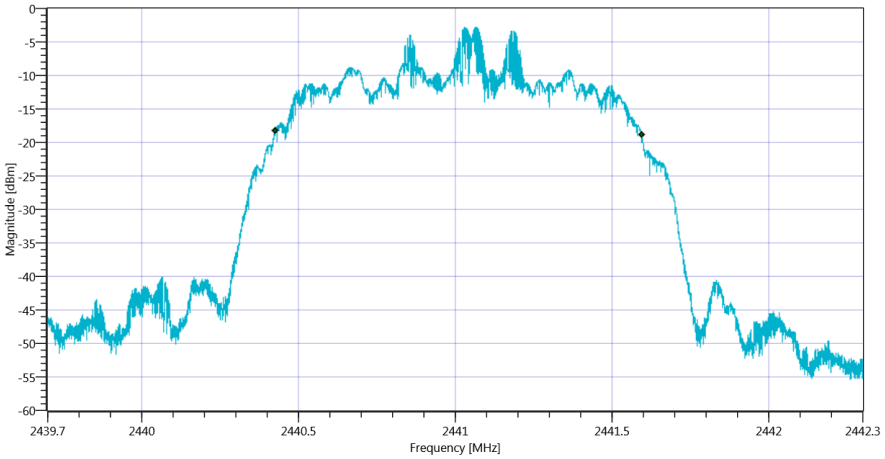
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

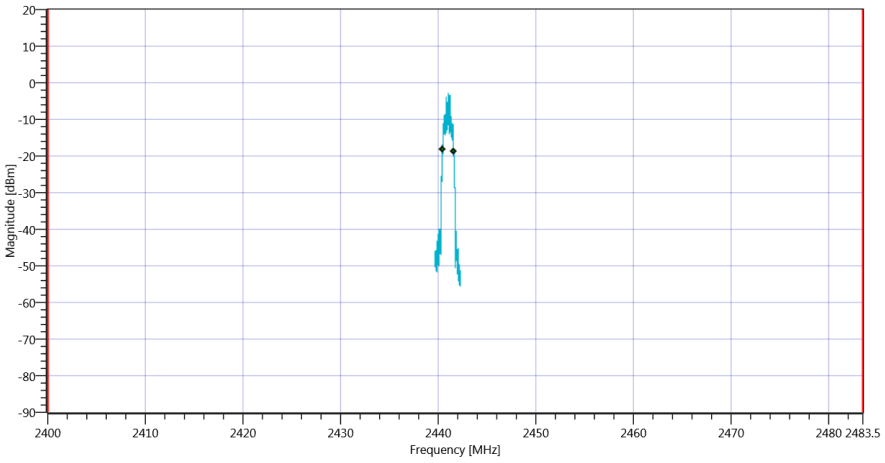
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.62 | 10.5 | 10
Start [MHz] | Stop [MHz]	2439.700 | 2442.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1168	kHz	Information
T1 99%	2400.000000	---	2440.4265	MHz	PASS
T2 99%	---	2483.500000	2441.5943	MHz	PASS



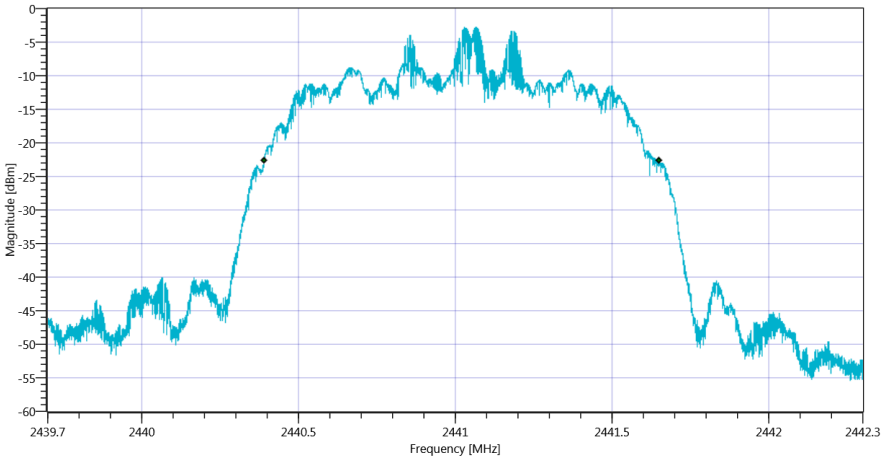
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_14012020_141434.png



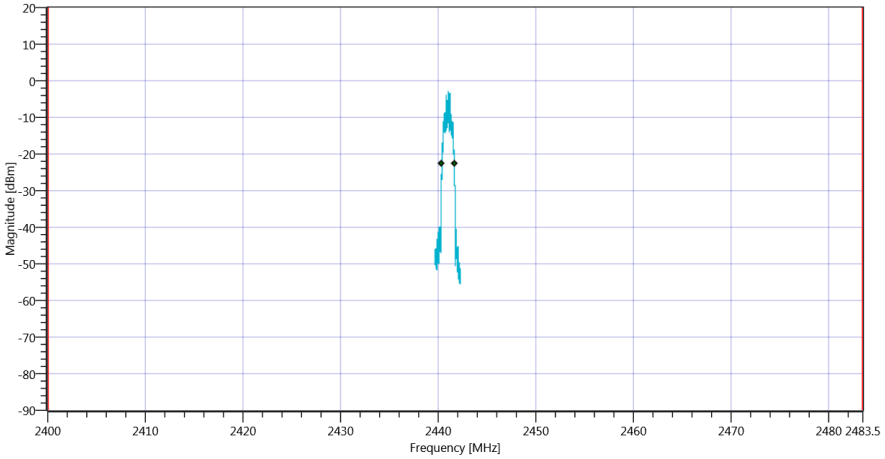
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_141438.png

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	---	2440.3898	MHz	PASS
T2 20dB	---	2483.500000	2441.6516	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_14012020_141444.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_141448.png

TEST FINISHED		
General Verdict	14.01.2020 14:14:49 / RT: 58 s	PASS

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

Test References	
TC Start	14.01.2020 14:21:51
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

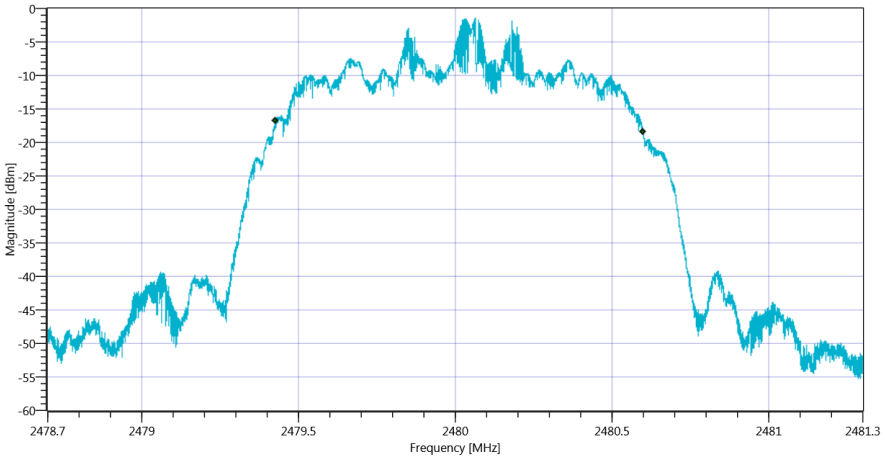
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

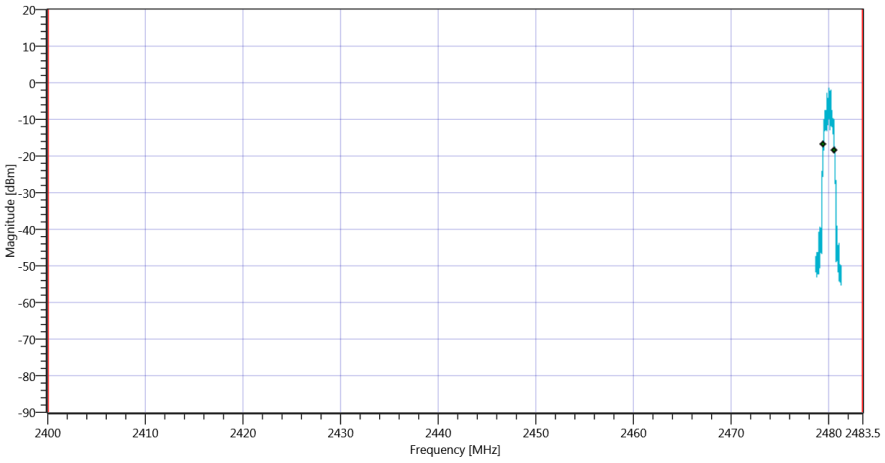
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.82 | 10.55 | 15
Start [MHz] | Stop [MHz]	2478.700 | 2481.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1170	kHz	Information
T1 99%	2400.000000	---	2479.4281	MHz	PASS
T2 99%	---	2483.500000	2480.5985	MHz	PASS



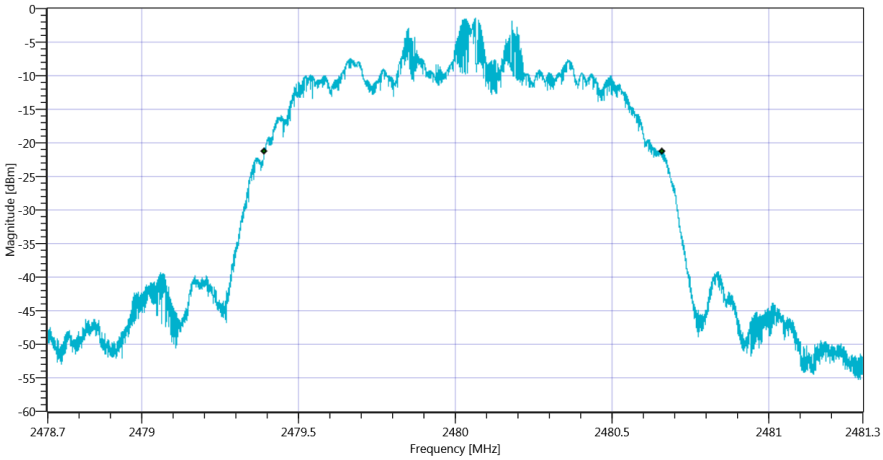
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_14012020_142223.png



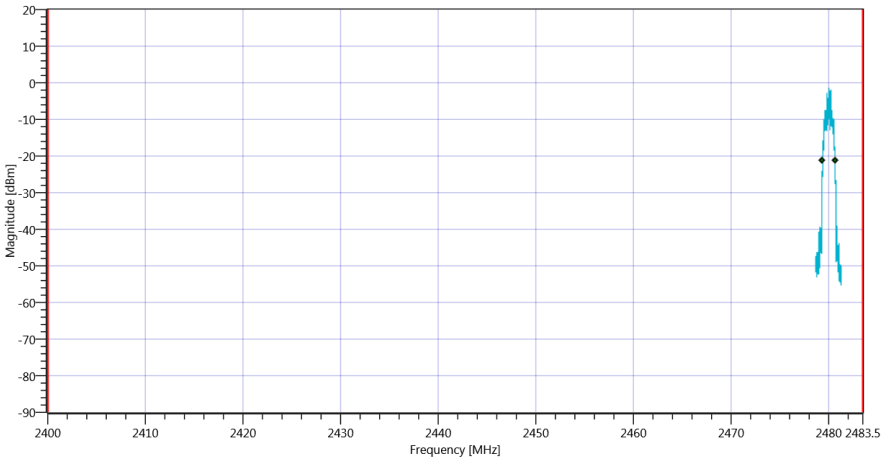
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_142227.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1269	kHz	Information
T1 20DB	2400.000000	---	2479.3908	MHz	PASS
T2 20dB	---	2483.500000	2480.6599	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_14012020_142233.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_14012020_142237.png

TEST FINISHED		
General Verdict	14.01.2020 14:22:38 / RT: 46 s	PASS

21. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	14.01.2020 14:06:39
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

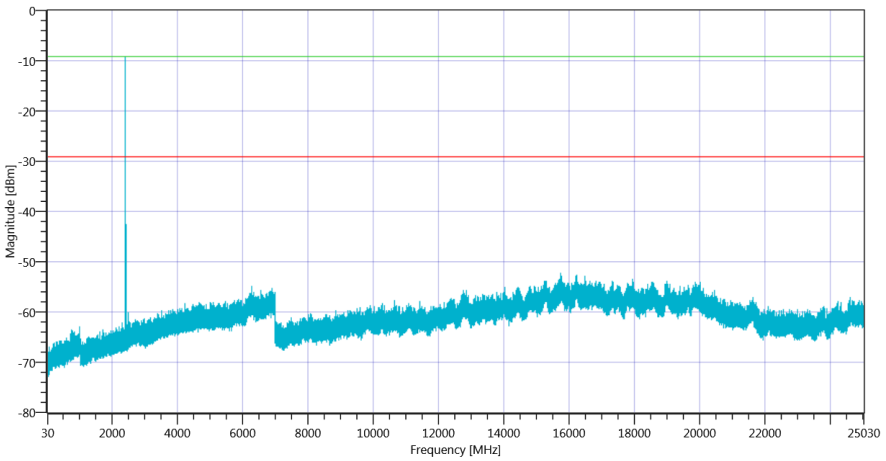
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

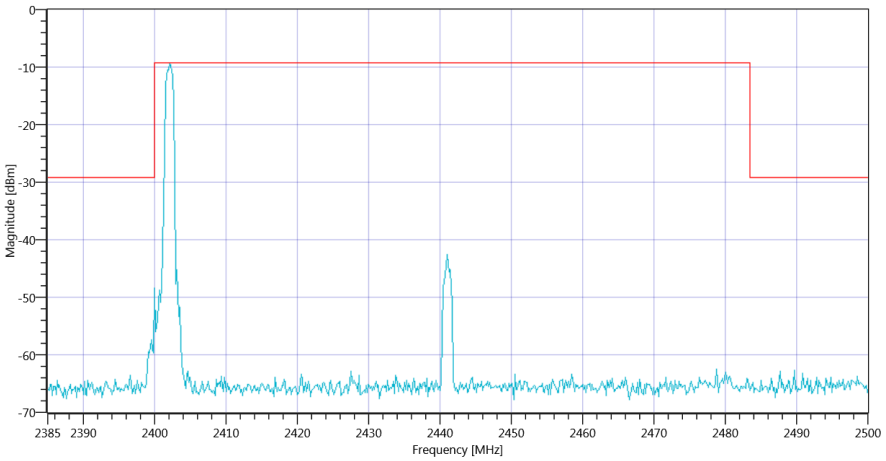
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-0.39 | 0 | 15
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.17 MHz	---	---	-9.17	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2402_14012020_141130.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2402_14012020_141133.png

TEST FINISHED		
General Verdict	14.01.2020 14:11:35 / RT: 295 s	PASS

22. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	14.01.2020 14:14:53
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

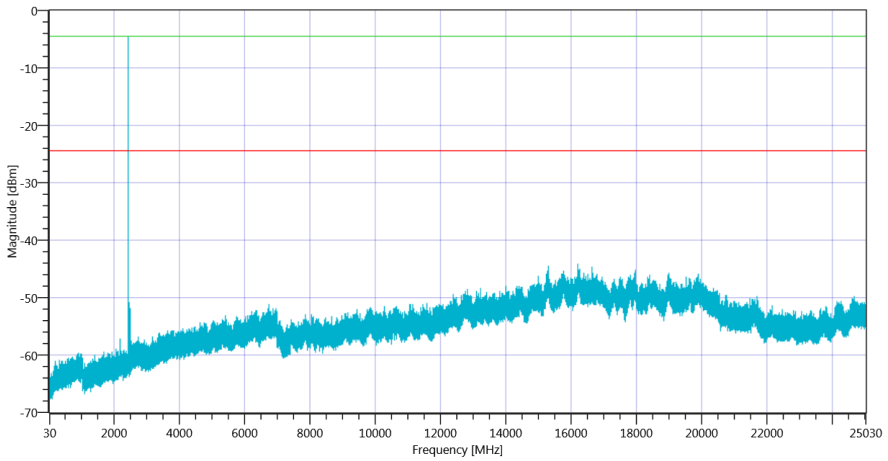
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

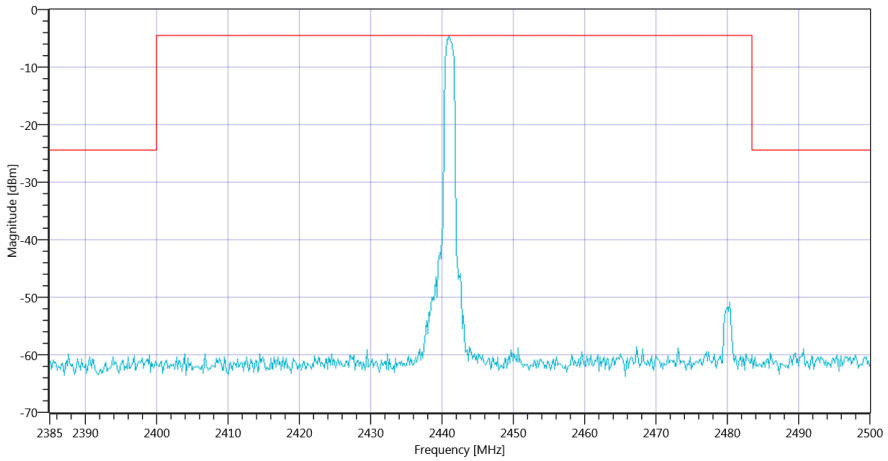
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.99 | 0 | 20
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz	---	---	-4.48	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2441_14012020_141947.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2441_14012020_141950.png

TEST FINISHED		
General Verdict	14.01.2020 14:19:52 / RT: 298 s	PASS

23. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi/4DQPSK

Test References	
TC Start	14.01.2020 14:22:42
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add. Information	

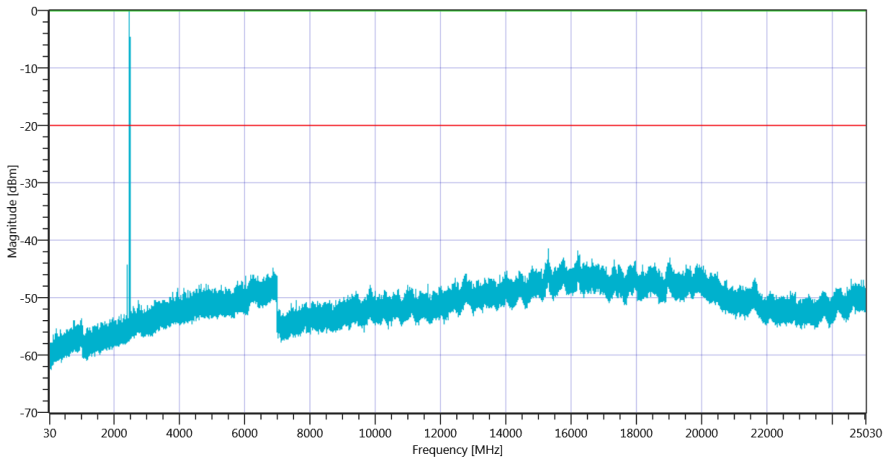
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

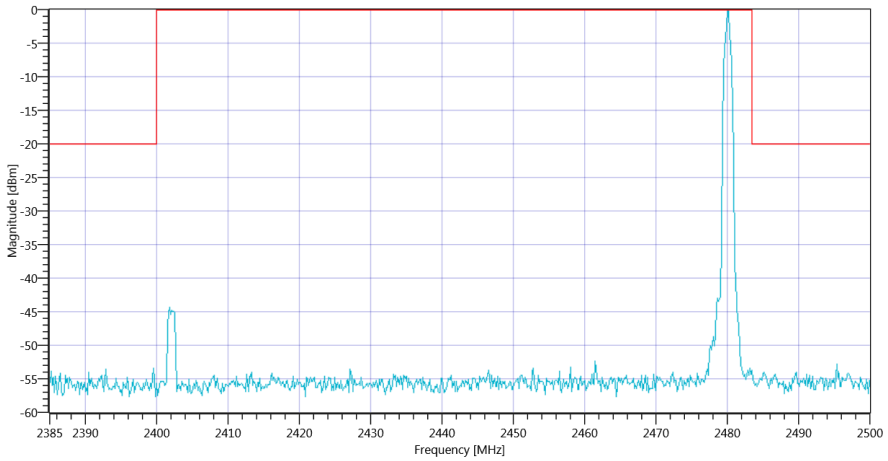
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.74 | 0 | 25
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	-0.09	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2480_14012020_142740.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2480_14012020_142743.png

TEST FINISHED		
General Verdict	14.01.2020 14:27:44 / RT: 301 s	PASS

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

Test References	
TC Start	14.01.2020 14:31:04
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

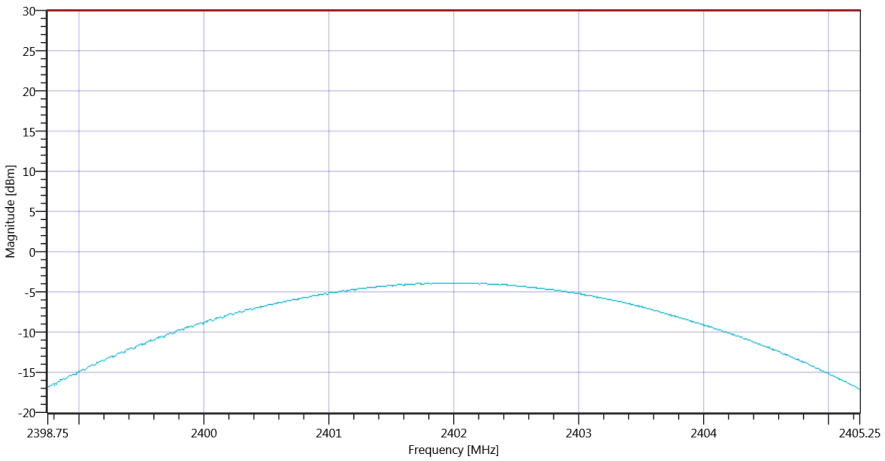
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.07 | 10.41 | 10
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	-3.88	dBm	PASS
Peak Power	---	1000	0.409261	mW	PASS
Frequency at Peak	---	---	2402.02	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_14012020_143139.png

TEST FINISHED		
General Verdict	14.01.2020 14:31:39 / RT: 35 s	PASS

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

Test References	
TC Start	14.01.2020 14:39:14
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

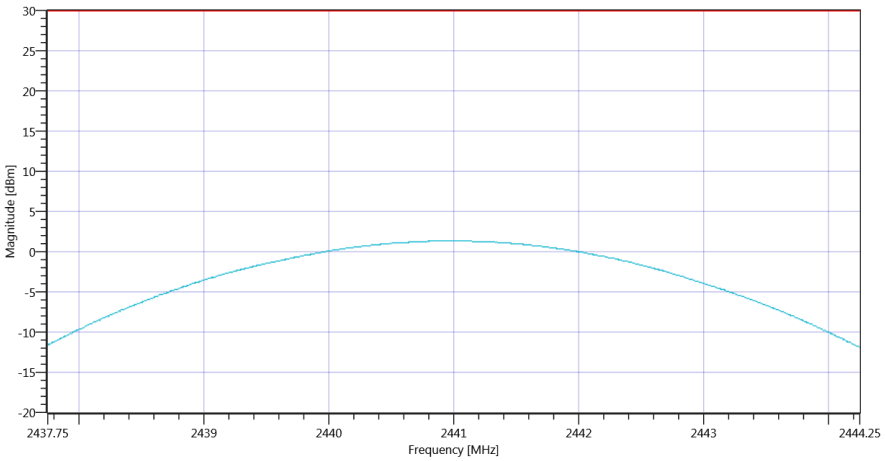
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.48 | 10.5 | 15
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	1.34	dBm	PASS
Peak Power	---	1000	1.361445	mW	PASS
Frequency at Peak	---	---	2441.039	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_14012020_143944.png

TEST FINISHED		
General Verdict	14.01.2020 14:39:44 / RT: 30 s	PASS

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

Test References	
TC Start	14.01.2020 14:46:58
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 | TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

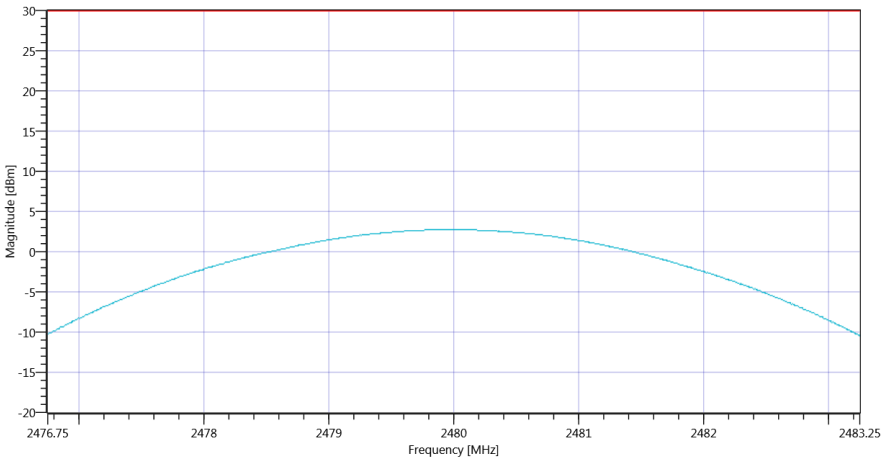
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	10.53 | 10.55 | 15
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	2.74	dBm	PASS
Peak Power	---	1000	1.879317	mW	PASS
Frequency at Peak	---	---	2479.942	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_14012020_144731.png

TEST FINISHED		
General Verdict	14.01.2020 14:47:32 / RT: 34 s	PASS

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

Test References	
TC Start	14.01.2020 14:31:43
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR 8DPSK
Add. Information	

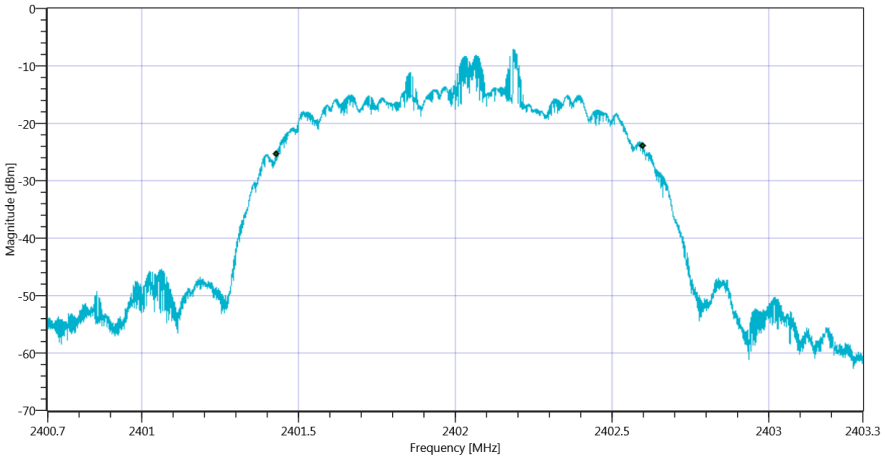
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

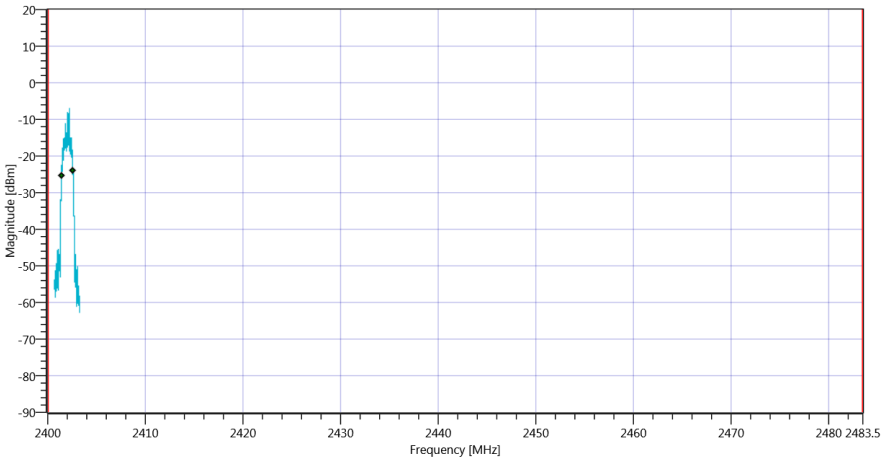
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-0.13 | 10.41 | 5
Start [MHz] | Stop [MHz]	2400.700 | 2403.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1167	kHz	Information
T1 99%	2400.000000	---	2401.4312	MHz	PASS
T2 99%	---	2483.500000	2402.5985	MHz	PASS



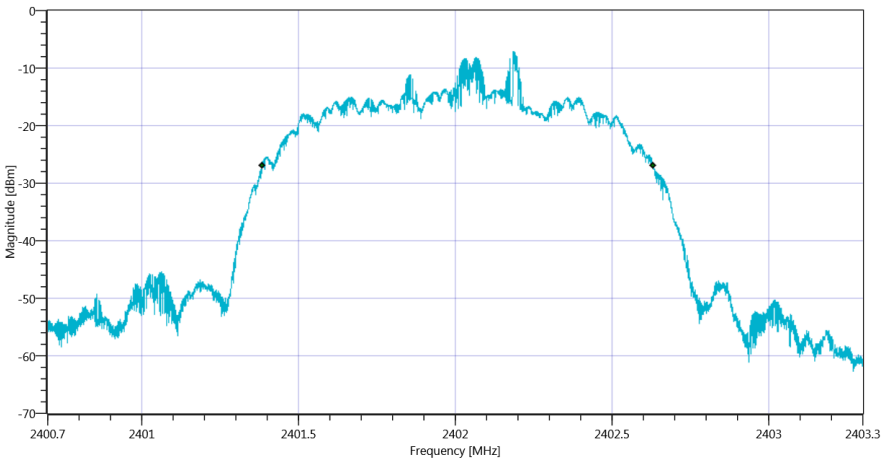
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_14012020_143222.png



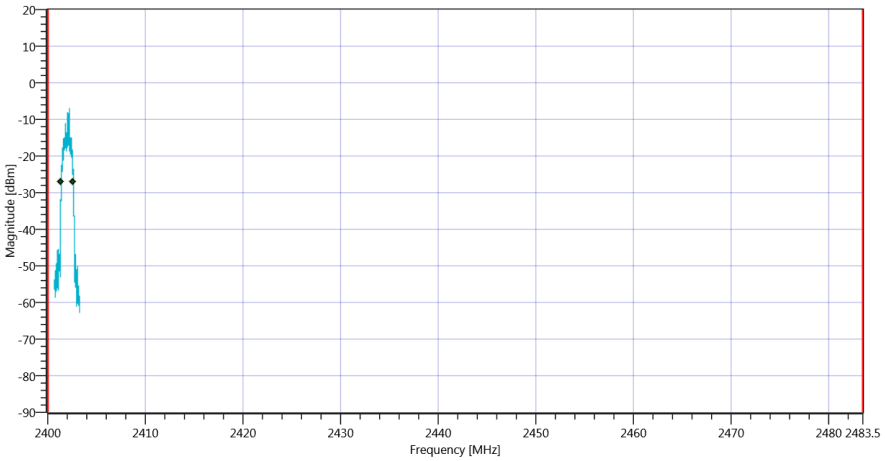
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_143226.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1249	kHz	Information
T1 20DB	2400.000000	---	2401.3833	MHz	PASS
T2 20dB	---	2483.500000	2402.6326	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_14012020_143232.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_143236.png

TEST FINISHED		
General Verdict	14.01.2020 14:32:36 / RT: 52 s	PASS

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

Test References	
TC Start	14.01.2020 14:39:49
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR 8DPSK
Add. Information	

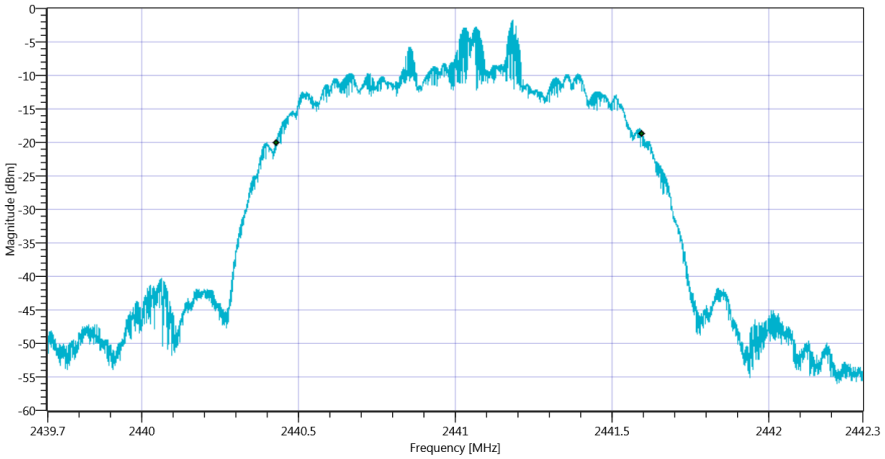
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

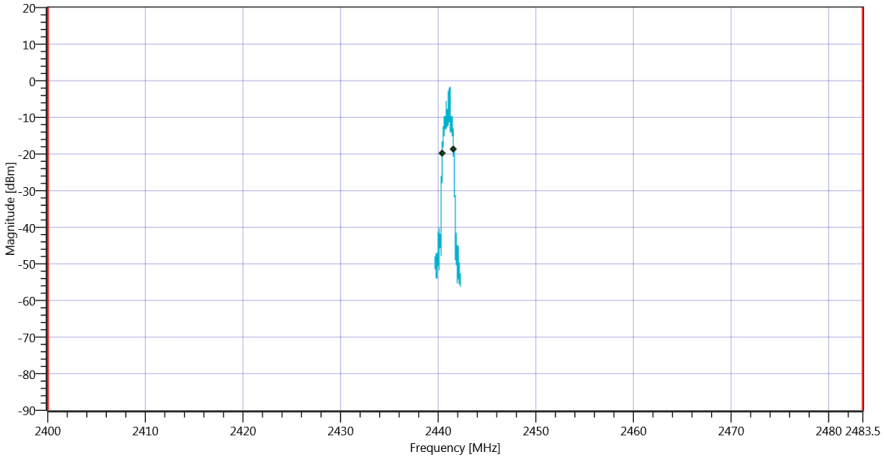
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.65 | 10.5 | 10
Start [MHz] | Stop [MHz]	2439.700 | 2442.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1167	kHz	Information
T1 99%	2400.000000	---	2440.4291	MHz	PASS
T2 99%	---	2483.500000	2441.5964	MHz	PASS



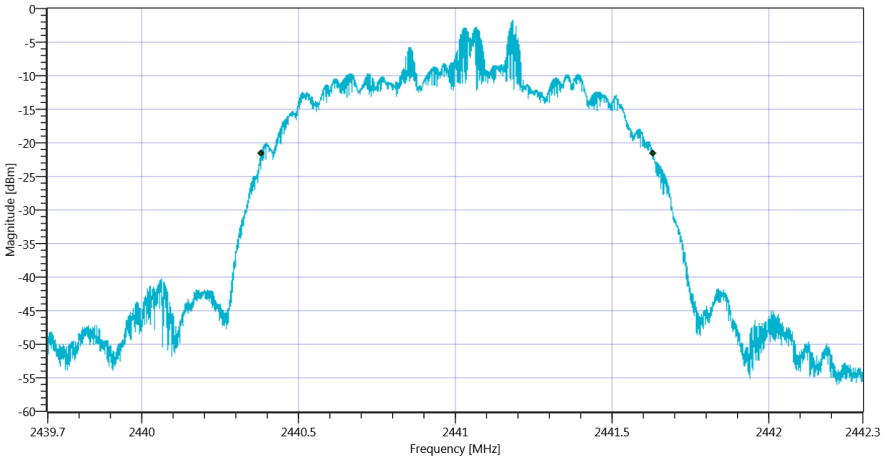
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_14012020_144021.png



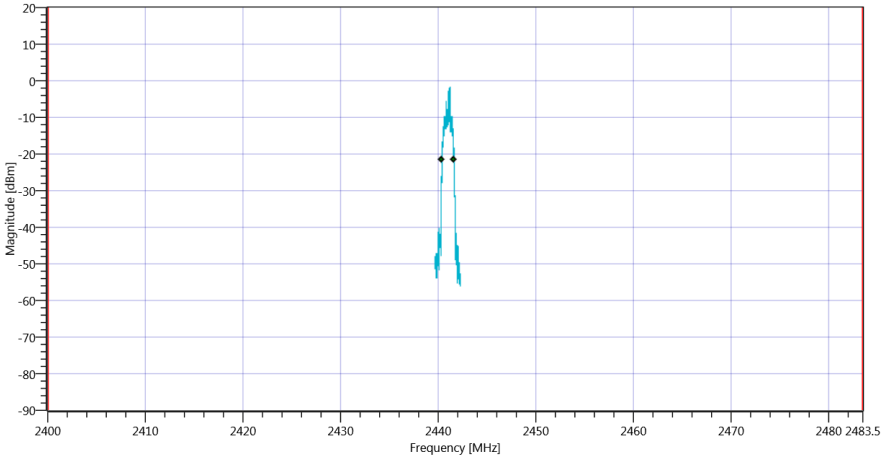
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_144026.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1249	kHz	Information
T1 20DB	2400.000000	---	2440.3820	MHz	PASS
T2 20dB	---	2483.500000	2441.6305	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_14012020_144031.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_144035.png

TEST FINISHED		
General Verdict	14.01.2020 14:40:36 / RT: 47 s	PASS

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

Test References	
TC Start	14.01.2020 14:47:36
System Version	1.0.0.29
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 | TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR 8DPSK
Add. Information	

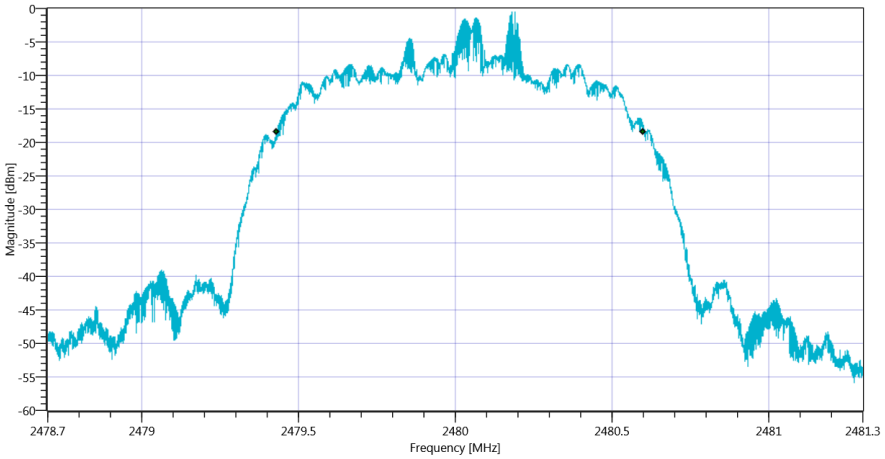
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

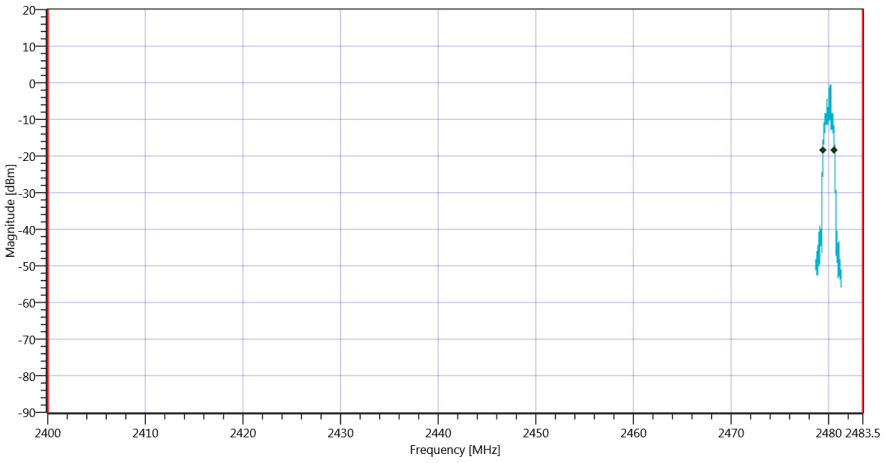
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.73 | 10.55 | 15
Start [MHz] | Stop [MHz]	2478.700 | 2481.300
RBW [MHz] | VBW [MHz]	0.030000 | 0.100000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	50 | 200 | 10001 | SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	1169	kHz	Information
T1 99%	2400.000000	---	2479.4312	MHz	PASS
T2 99%	---	2483.500000	2480.5998	MHz	PASS



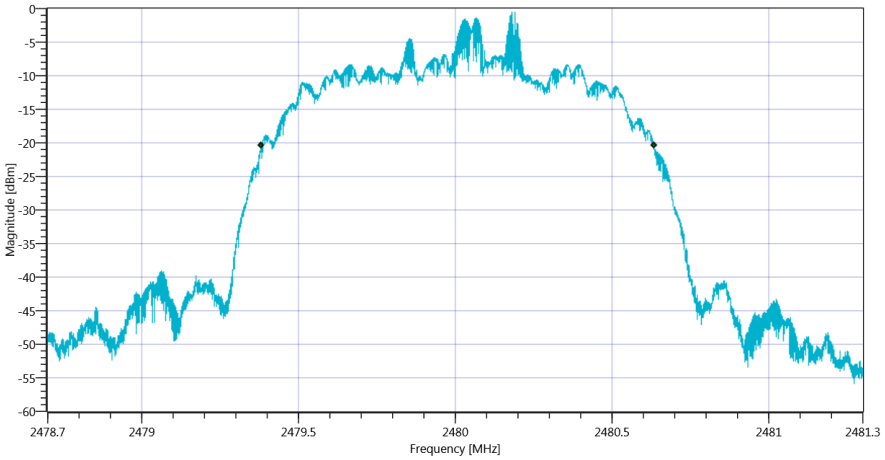
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_14012020_144809.png



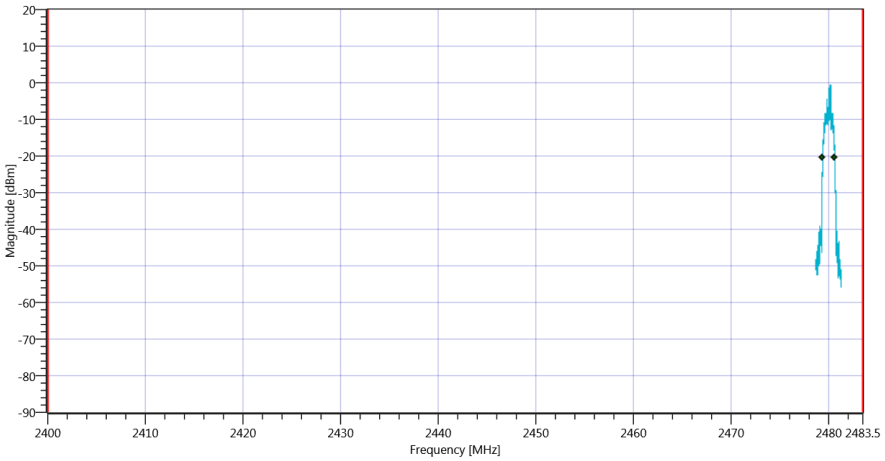
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_144813.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	1251	kHz	Information
T1 20DB	2400.000000	---	2479.3817	MHz	PASS
T2 20dB	---	2483.500000	2480.6331	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_14012020_144819.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_14012020_144823.png

TEST FINISHED		
General Verdict	14.01.2020 14:48:24 / RT: 47 s	PASS

30. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK

Test References	
TC Start	14.01.2020 14:32:41
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

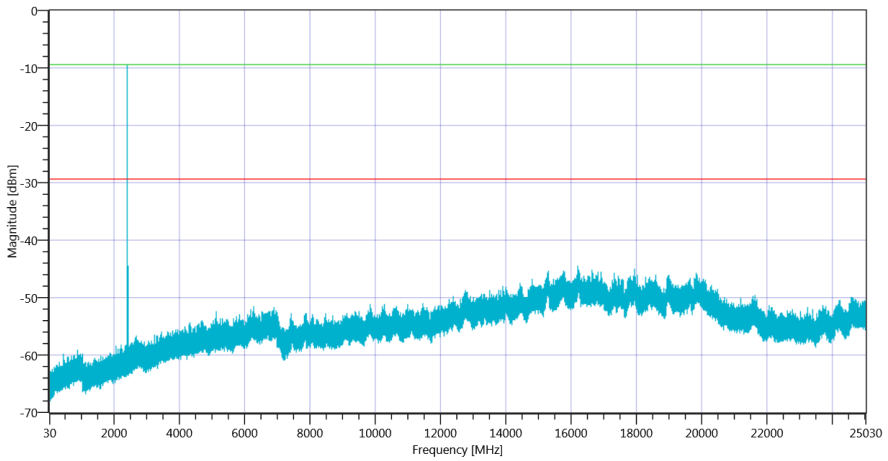
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2402 MHz

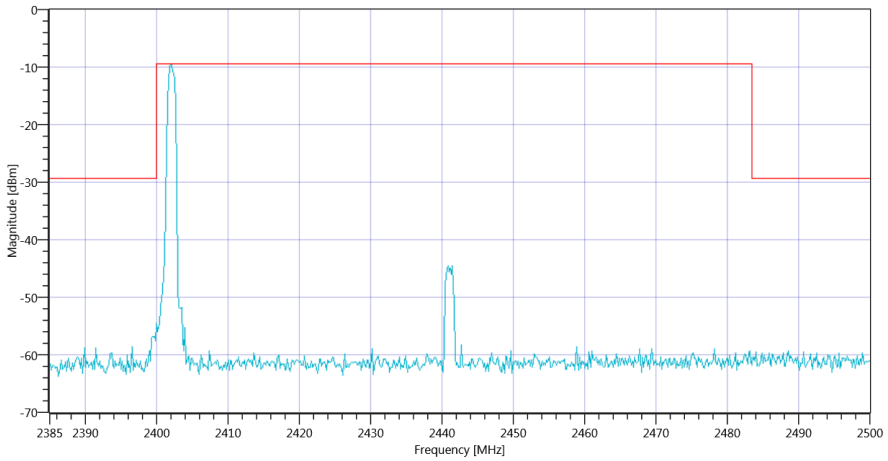
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	0.37 | 0 | 20
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	---	---	-9.41	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2402_14012020_143734.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2402_14012020_143737.png

TEST FINISHED		
General Verdict	14.01.2020 14:37:39 / RT: 298 s	PASS

31. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK

Test References	
TC Start	14.01.2020 14:40:40
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

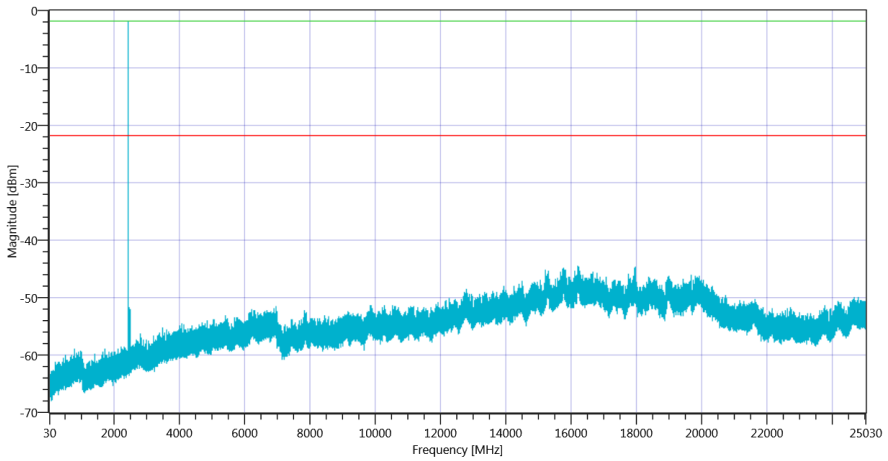
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2441 MHz

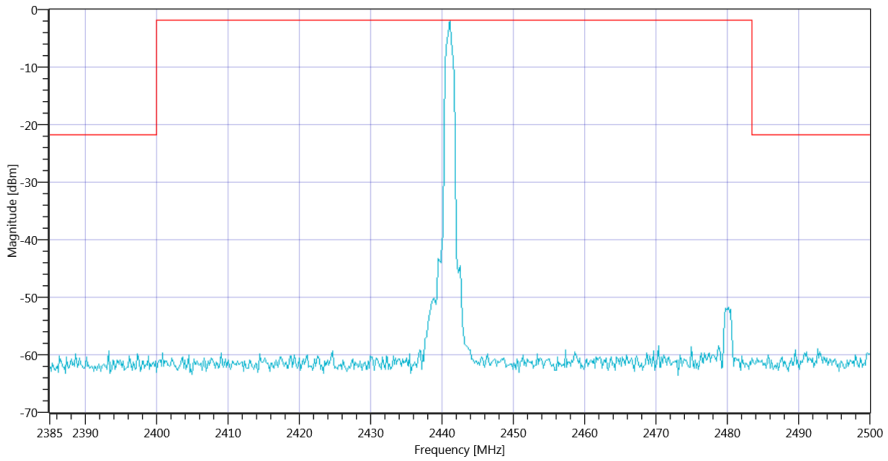
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.57 | 0 | 20
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.17 MHz	---	---	-1.83	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2441_14012020_144533.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2441_14012020_144536.png

TEST FINISHED		
General Verdict	14.01.2020 14:45:38 / RT: 297 s	PASS

32. FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK

Test References	
TC Start	14.01.2020 14:48:29
System Version	1.0.0.29
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 ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 | TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR 8DPSK
Add. Information	

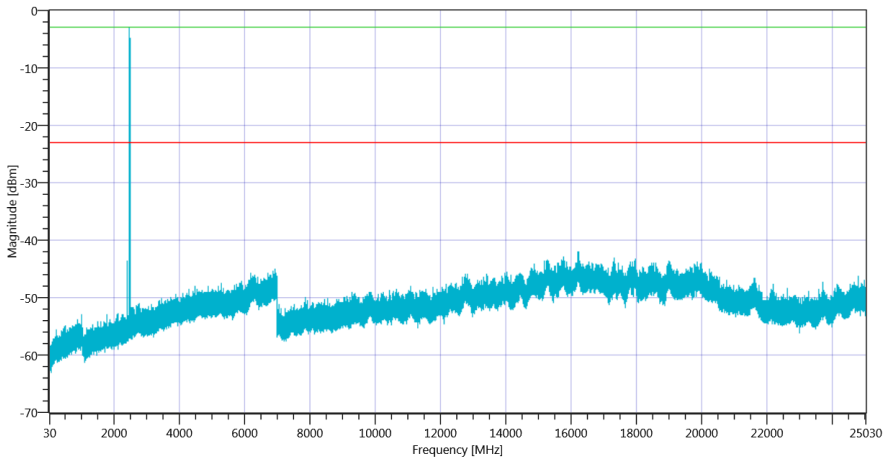
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.160 | SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 2480 MHz

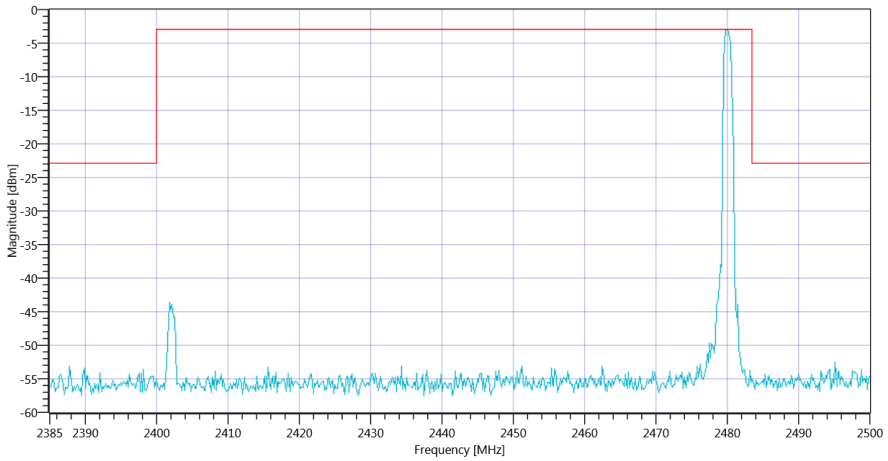
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.66 | 0 | 25
Start [MHz] | Stop [MHz]	24530.000 | 25030.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	500 | 8 | 3001 | SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	---	---	-2.93	dBm	Information
No peaks detected	---	---			PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2480_14012020_145321.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2480_14012020_145324.png

TEST FINISHED		
General Verdict	14.01.2020 14:53:25 / RT: 296 s	PASS

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