Measurement Results

1-9913/20-01-02_Annex_MR_A_1

Test logging

This addendum is electronically signed and valid without handwritten signature.
For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorized:

cn=Mihail Dorongovskij, o=CTC advanced GmbH, ou=DOR-200803, email=mihail.dorongovskij@ctcadvanced.com, c=DE
2020.10.27 13:59:46 +01'00'

Mihail Dorongovskij
Lab Manager
Radio Communications

Table of Content

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 Addess	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	

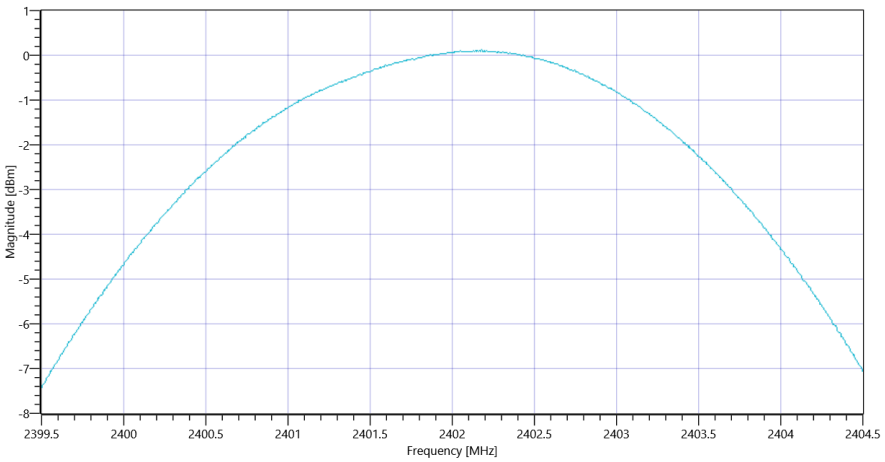
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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



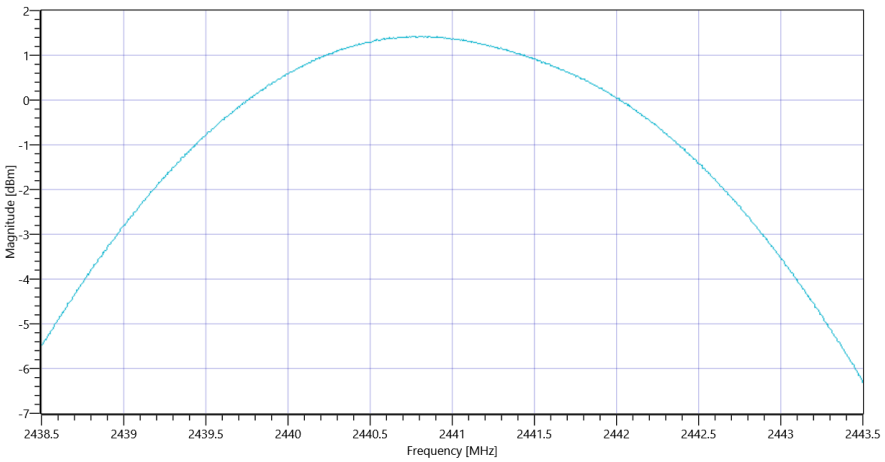
Plot_Common2G4 Peak OP 3MHz-3MHz ~ BT Classic Basic rate_19032020_134234.png

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



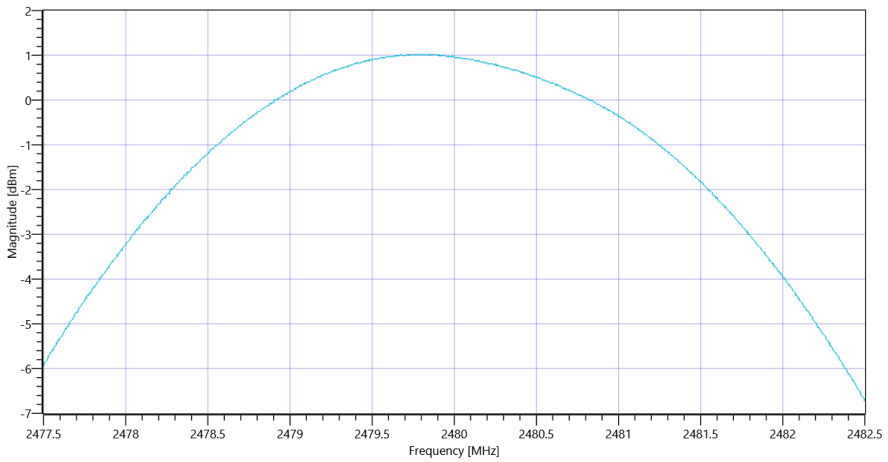
Plot_Common2G4 Peak OP 3MHz-3MHz ~ BT Classic Basic rate_19032020_134300.png

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



Plot_Common2G4 Peak OP 3MHz-3MHz ~ BT Classic Basic rate_19032020_134326.png

TEST FINISHED		
General Verdict	19.03.2020 13:43:27 / RT: 83 s	PASS

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	

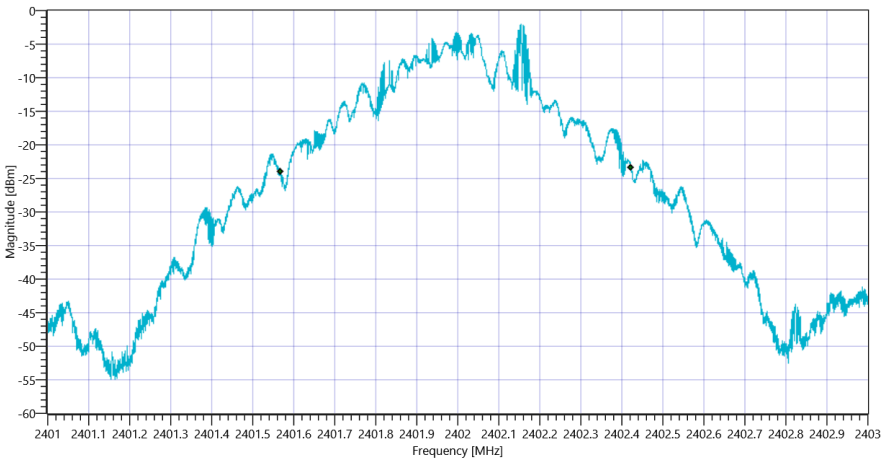
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

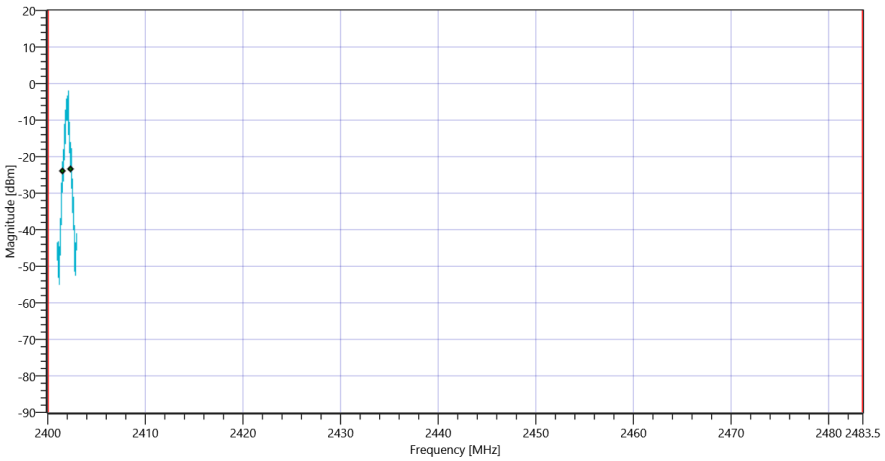
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



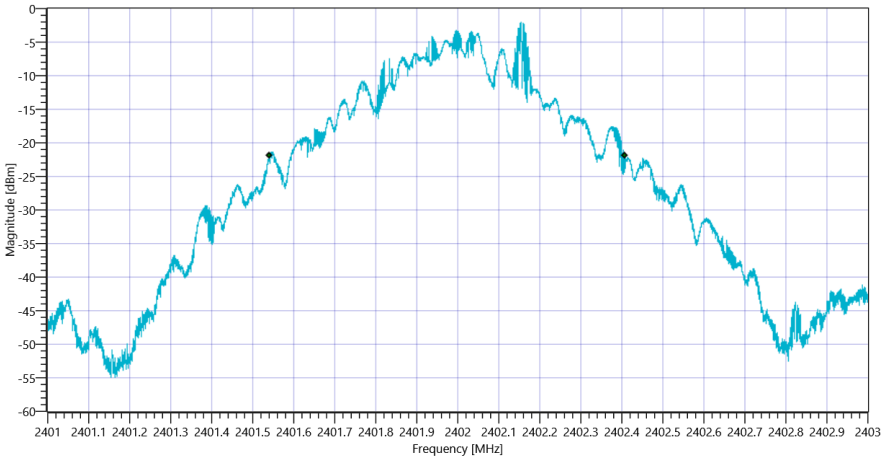
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_19032020_134831.png



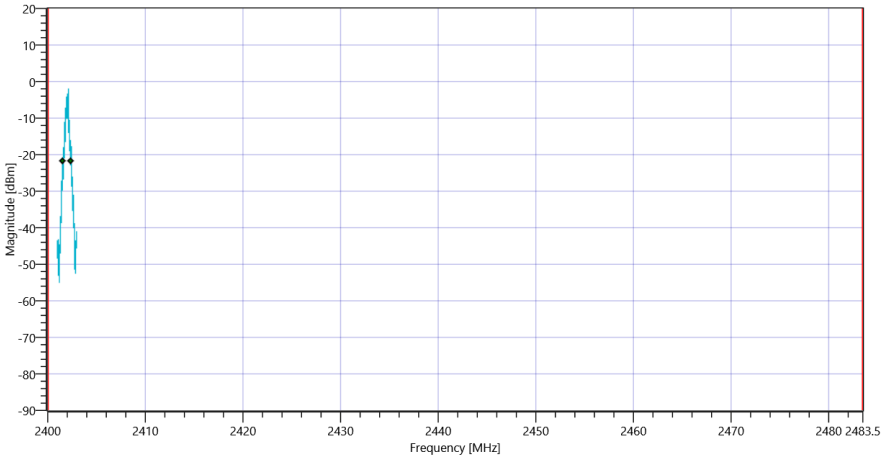
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134835.png

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



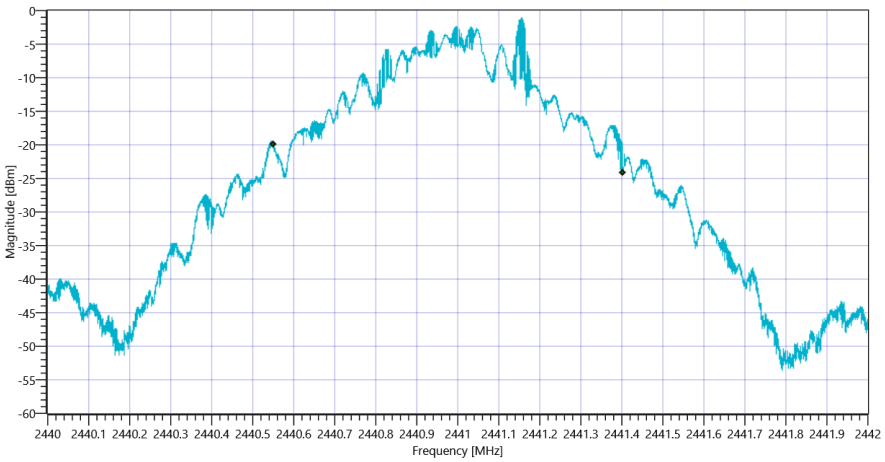
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134844.png

Test at TX 2441 MHz

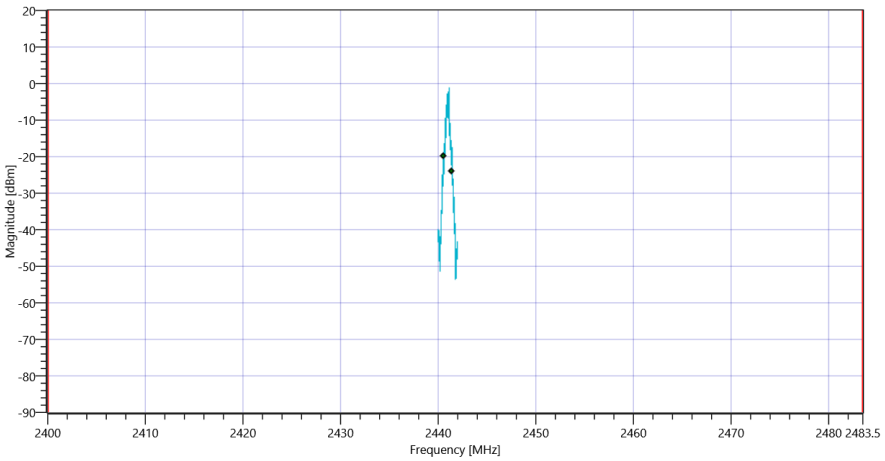
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



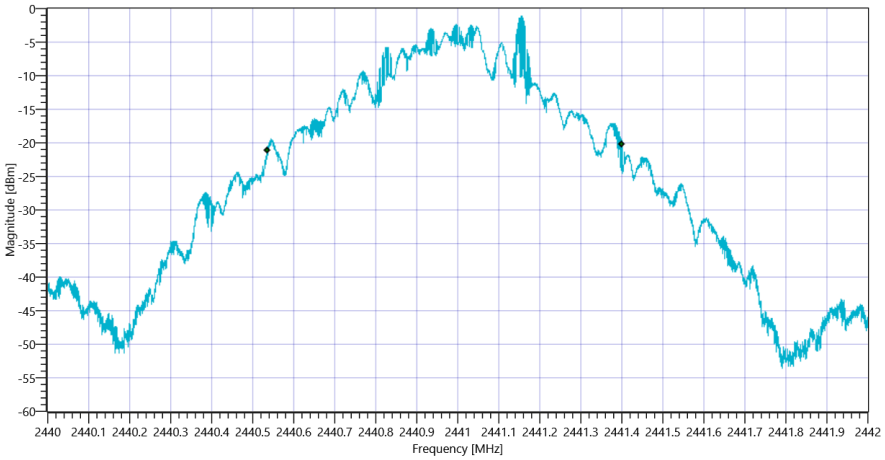
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_19032020_134911.png



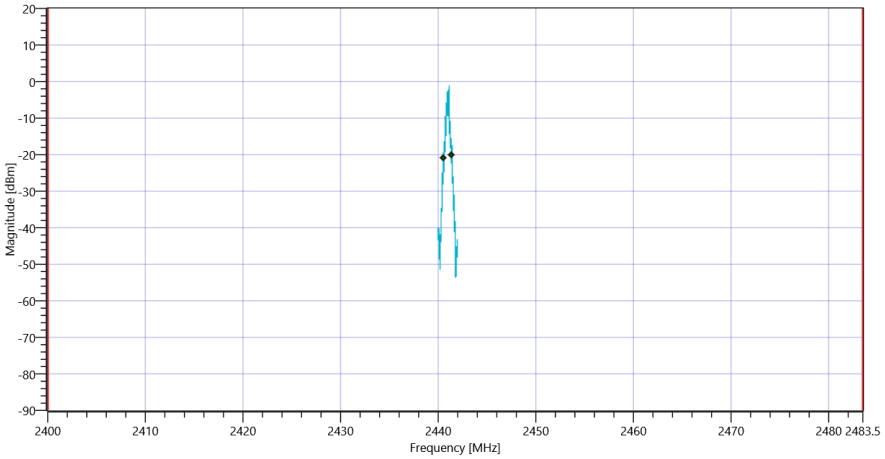
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134915.png

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



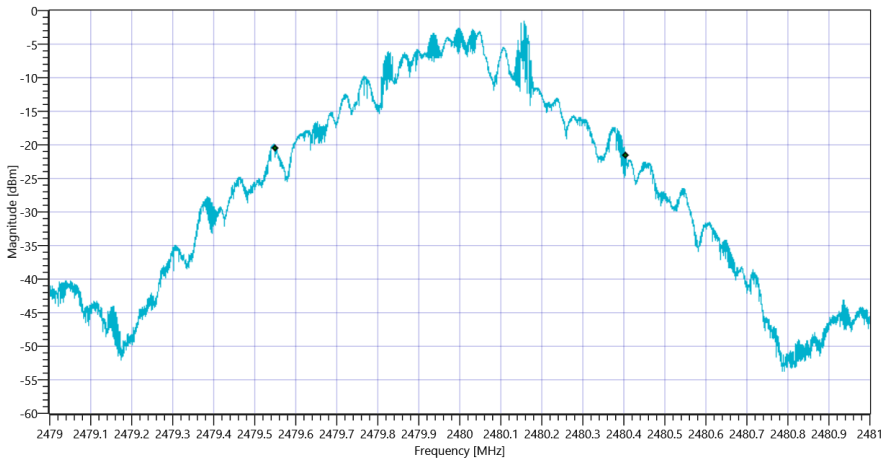
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134924.png

Test at TX 2480 MHz

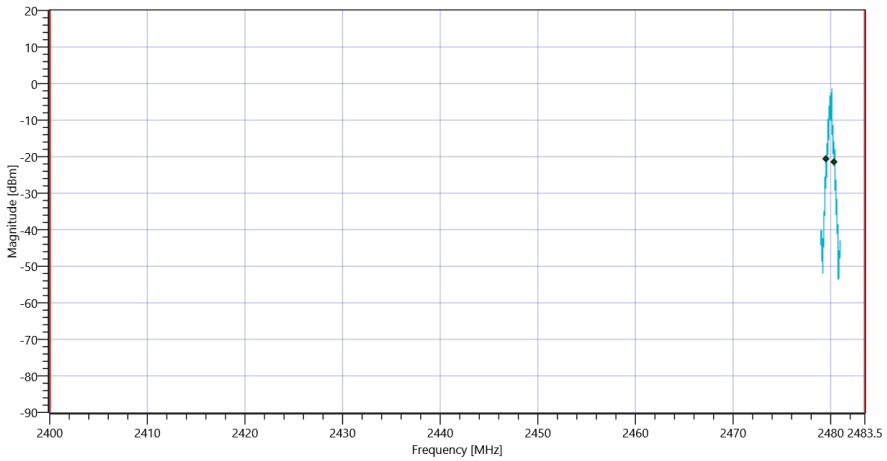
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



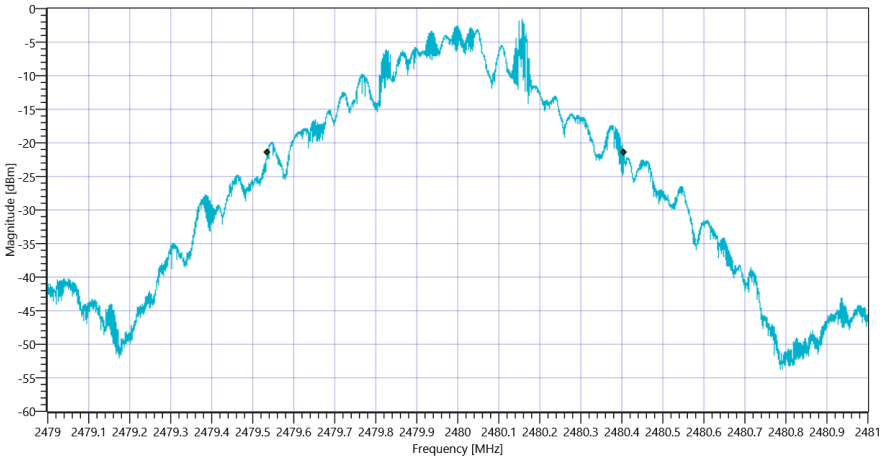
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 99PCT_19032020_134952.png



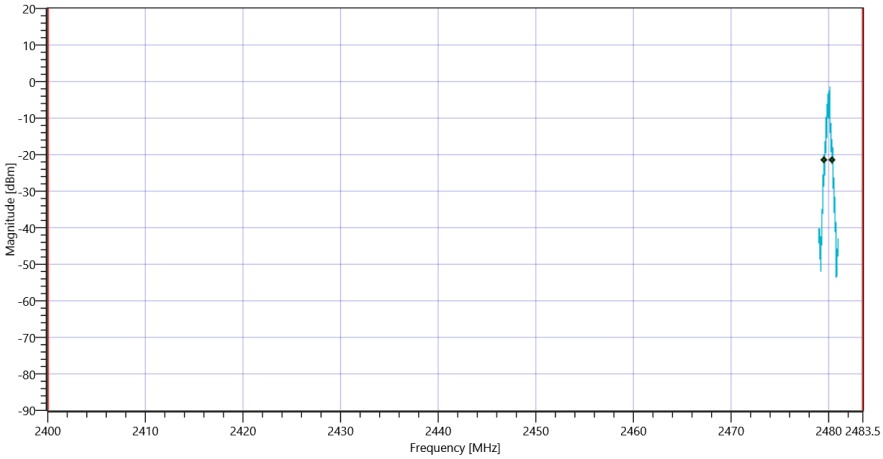
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_19032020_134956.png

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



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	

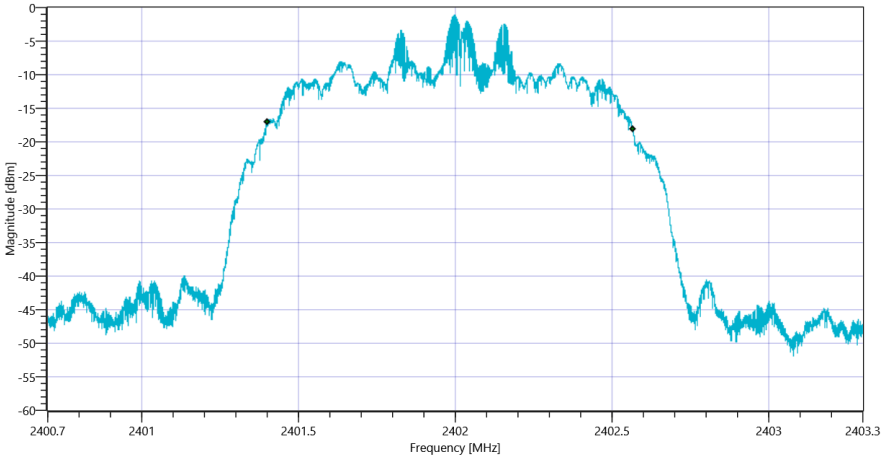
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

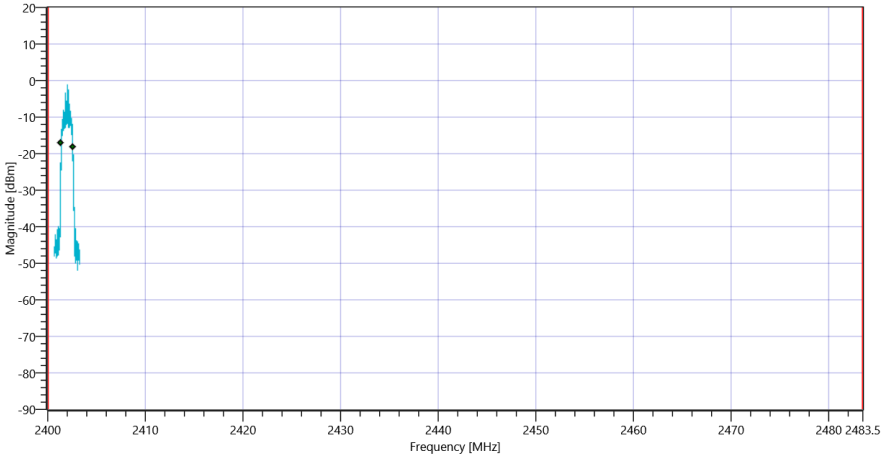
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



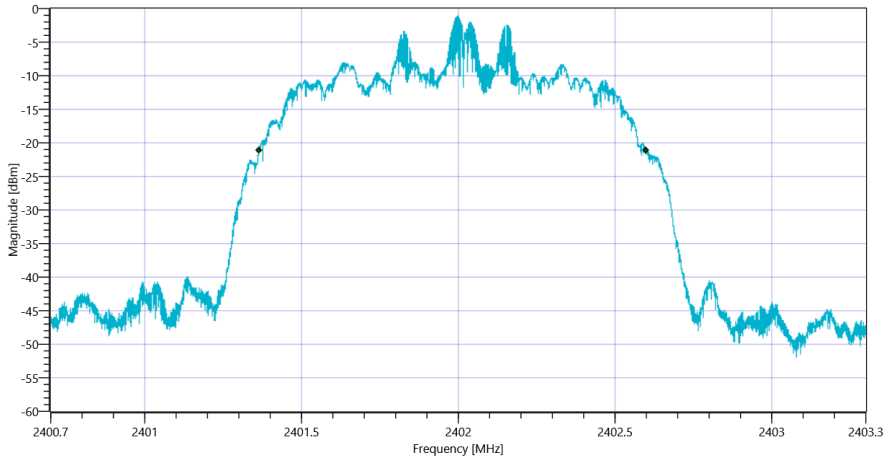
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_19032020_141117.png



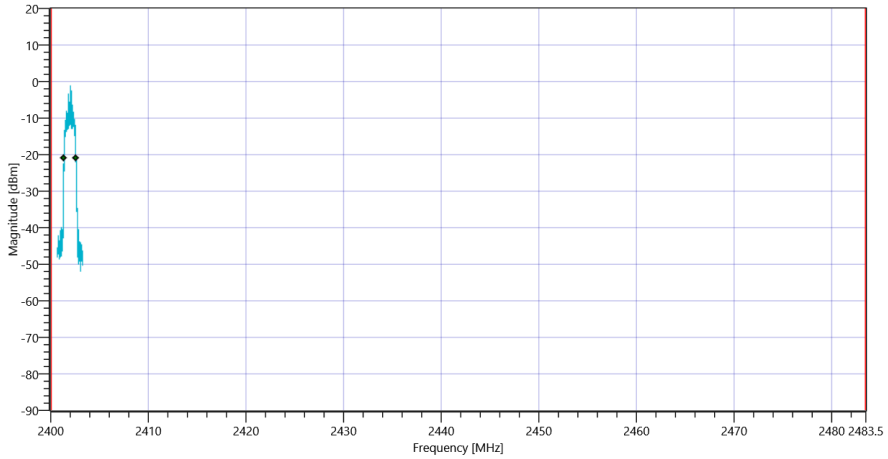
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141120.png

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



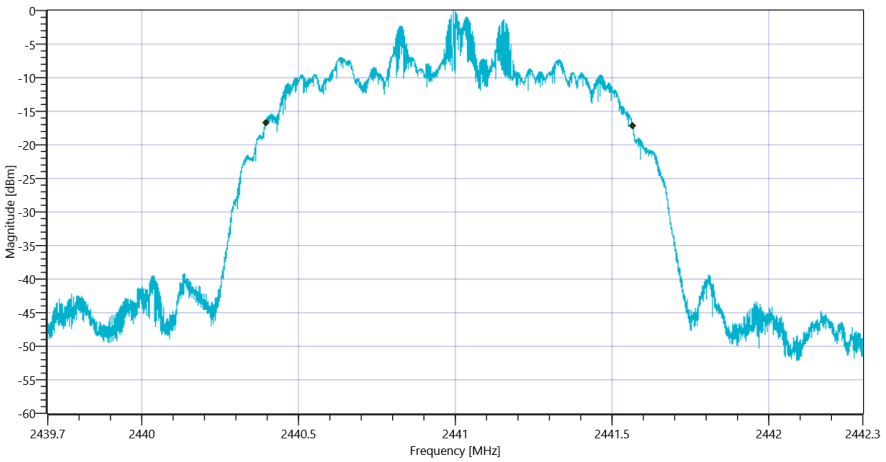
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141129.png

Test at TX 2441 MHz

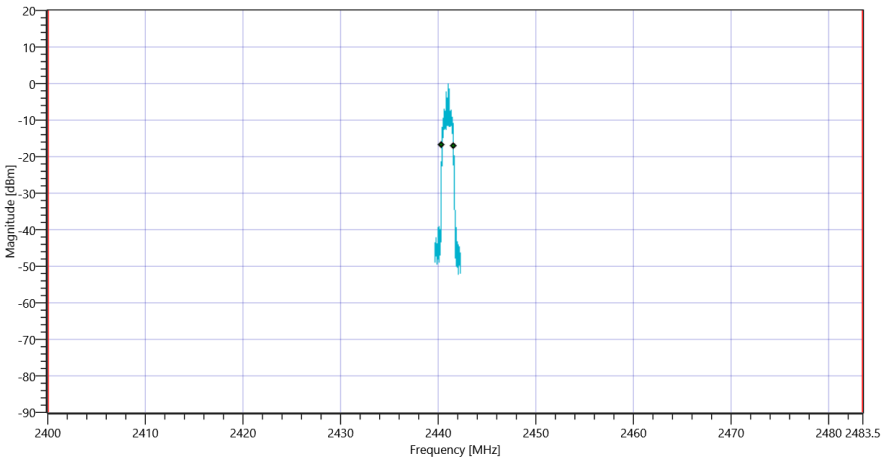
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



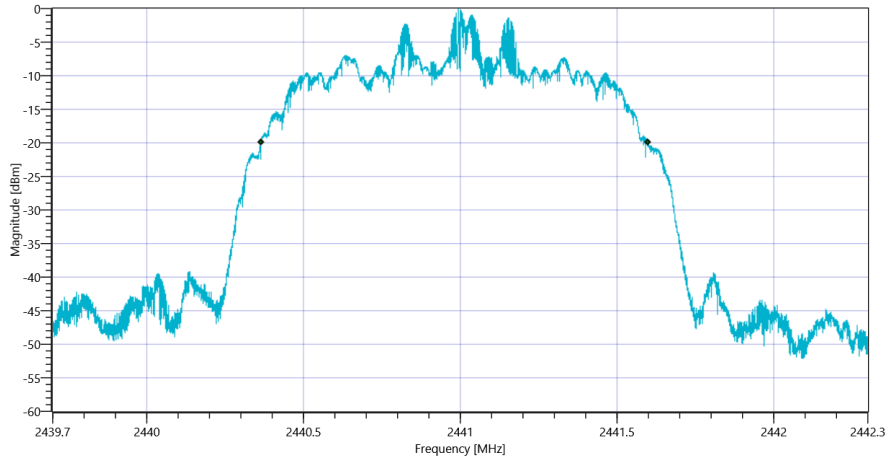
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_19032020_141157.png



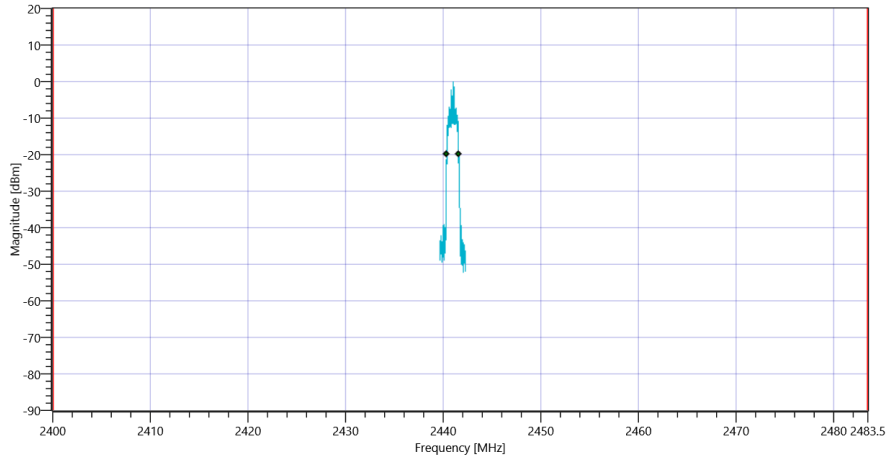
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141200.png

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



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_19032020_141205.png



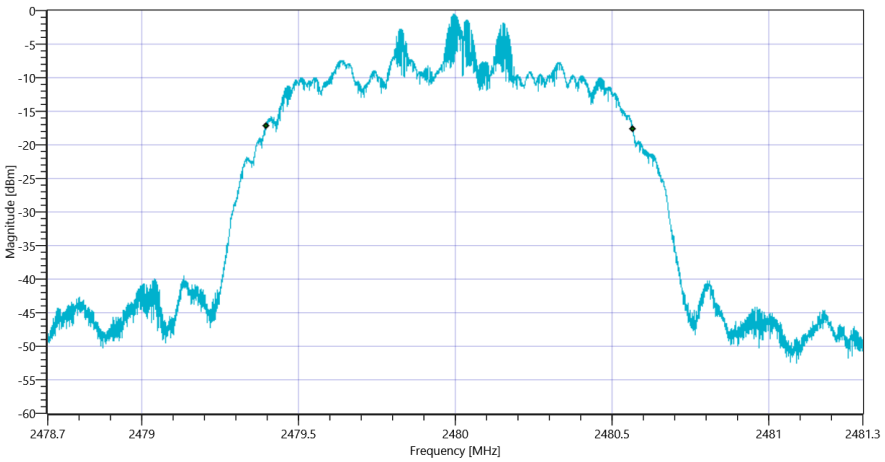
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141209.png

Test at TX 2480 MHz

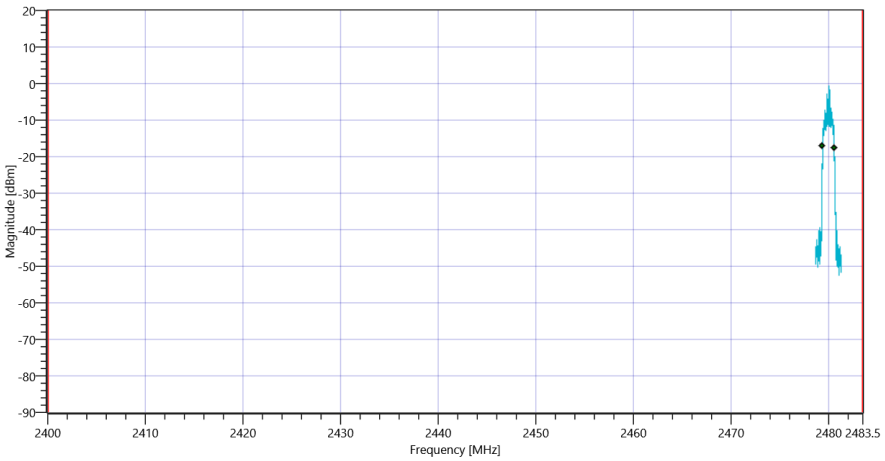
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.09 | 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



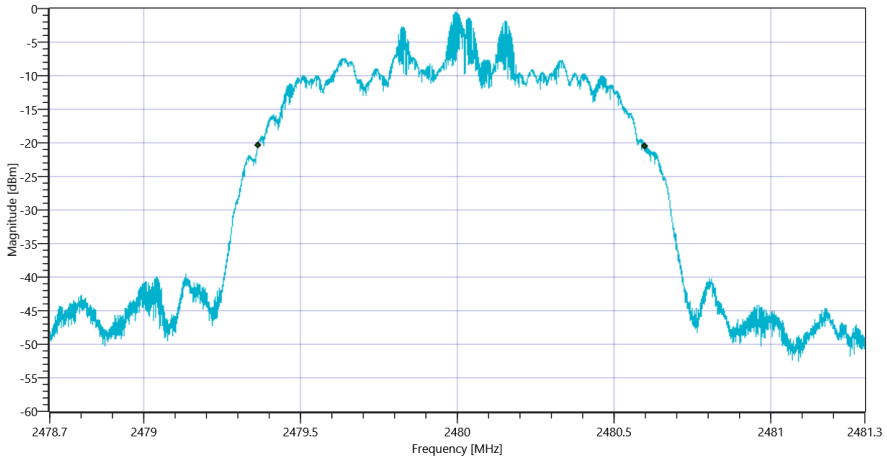
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_19032020_141237.png



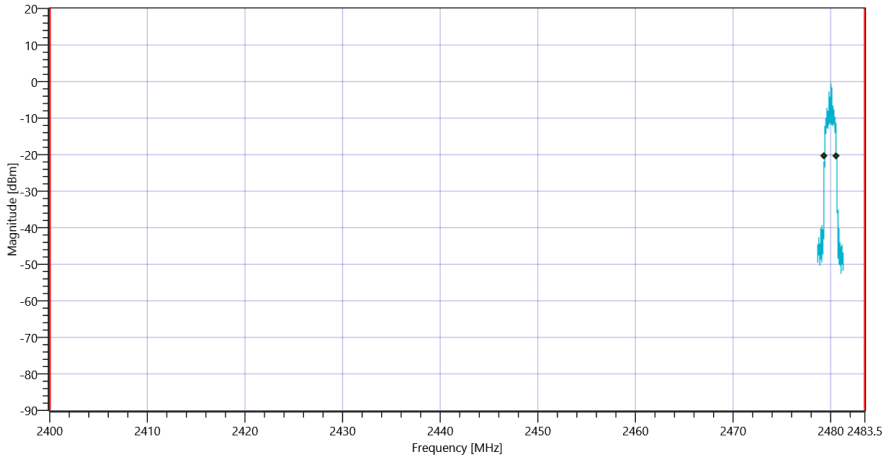
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141241.png

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



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_19032020_141246.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_19032020_141250.png

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	

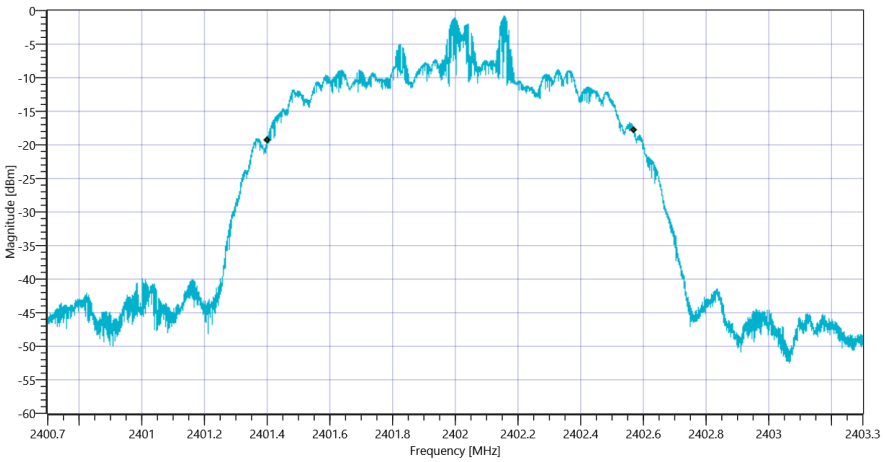
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

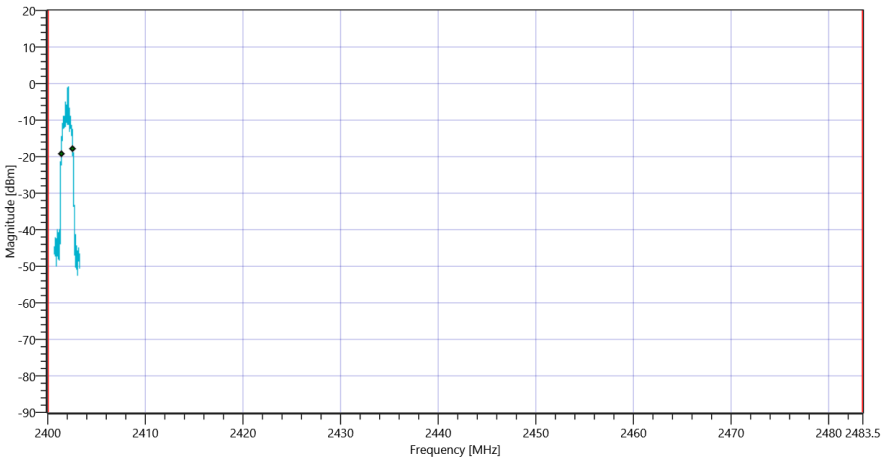
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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



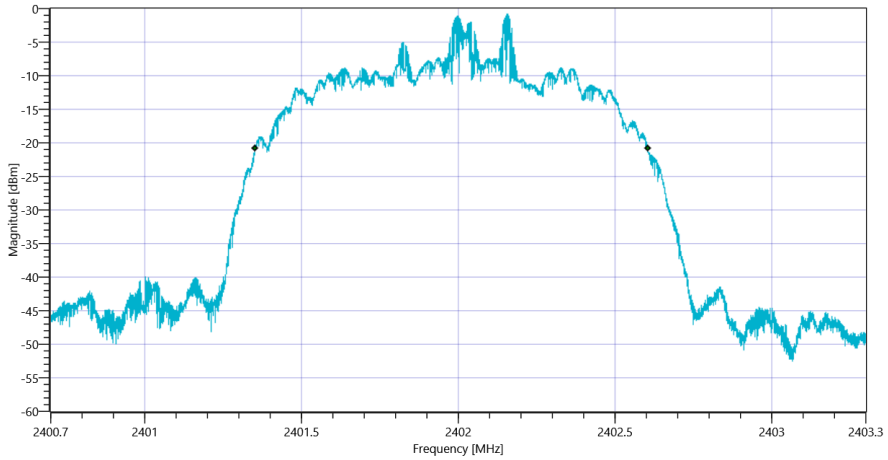
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_19032020_143406.png



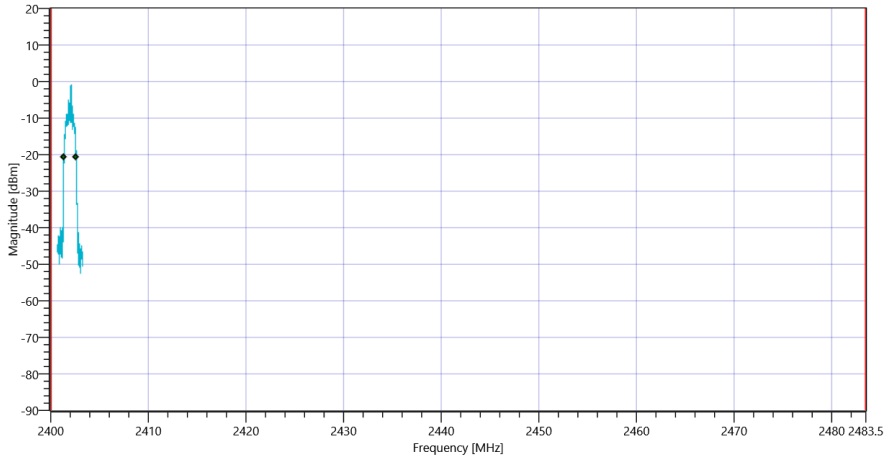
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143410.png

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



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_19032020_143415.png



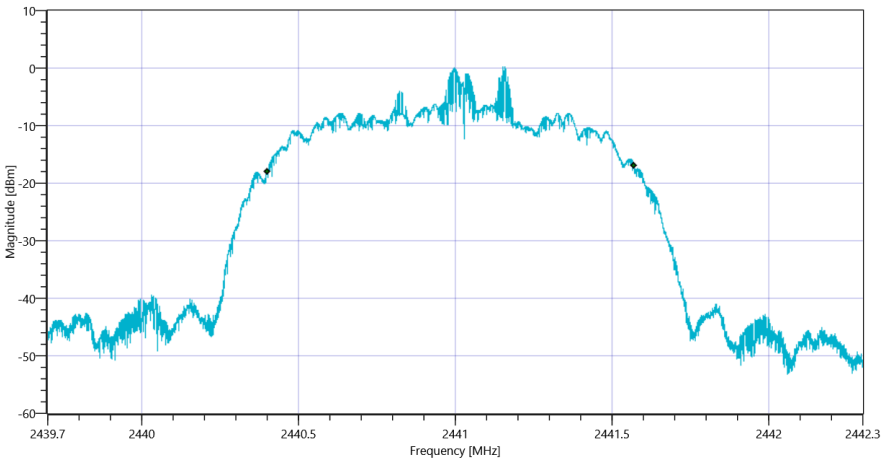
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143419.png

Test at TX 2441 MHz

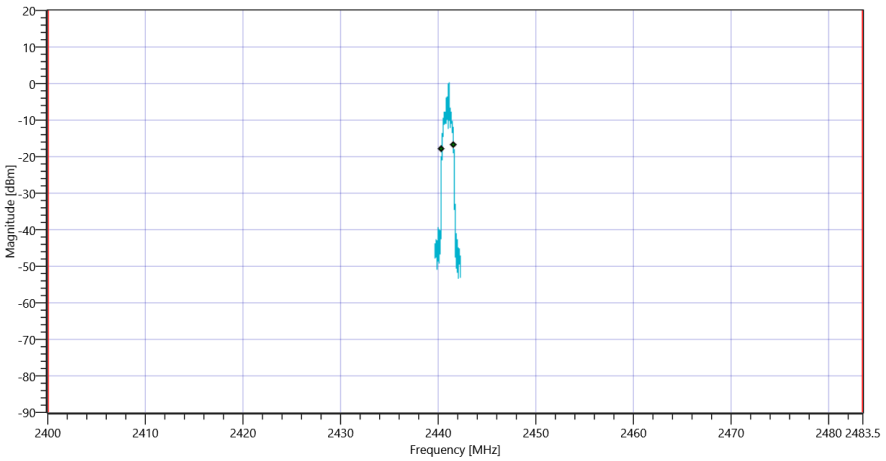
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.44 | 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



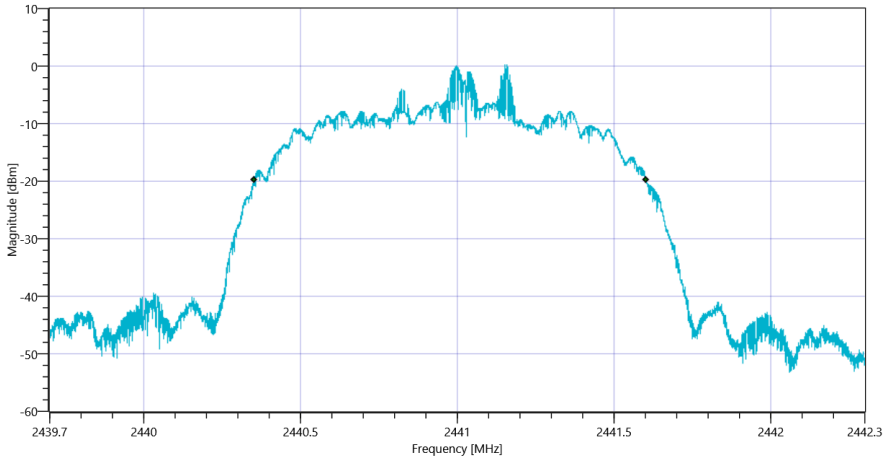
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_19032020_143446.png



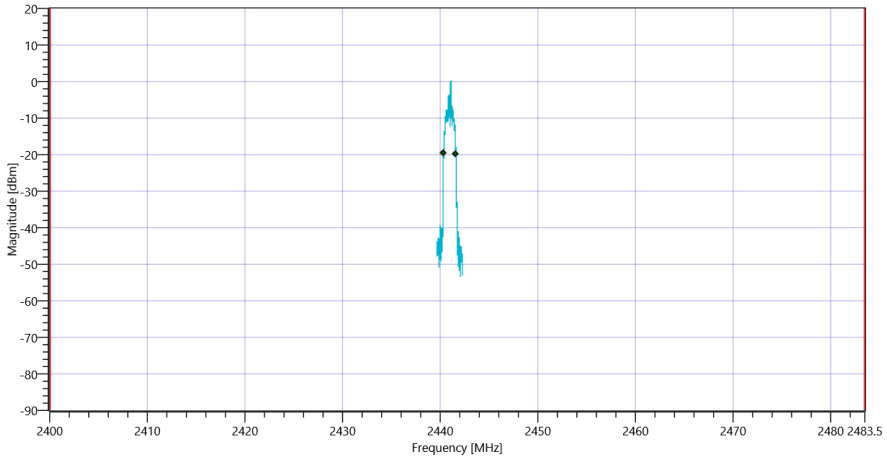
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143450.png

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



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_19032020_143455.png



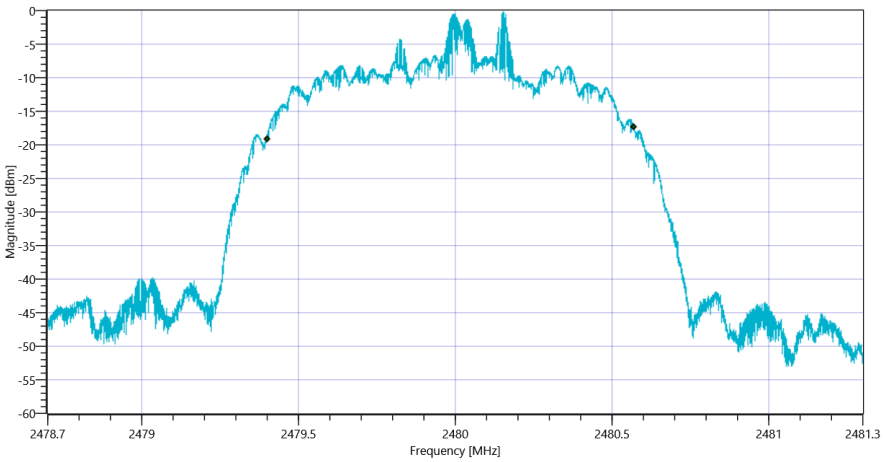
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143459.png

Test at TX 2480 MHz

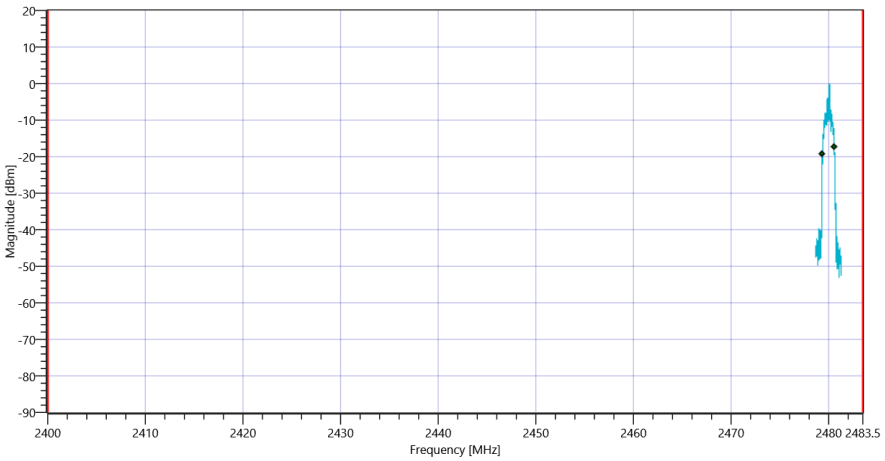
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.89 | 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



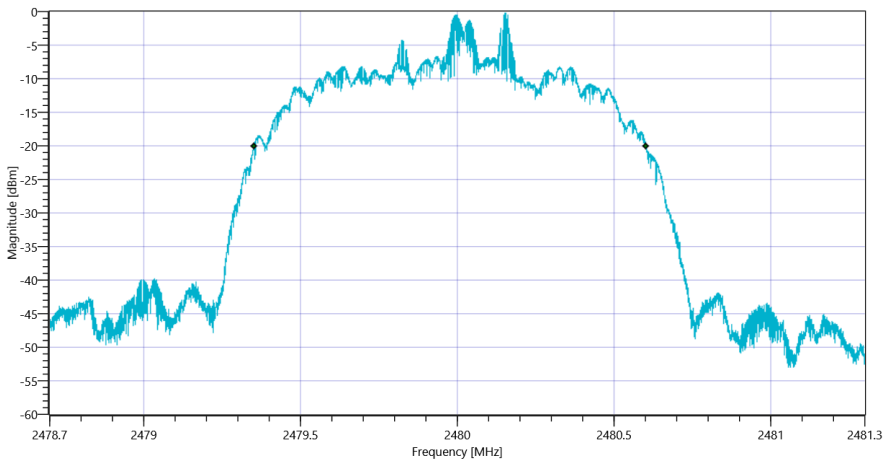
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 99PCT_19032020_143527.png



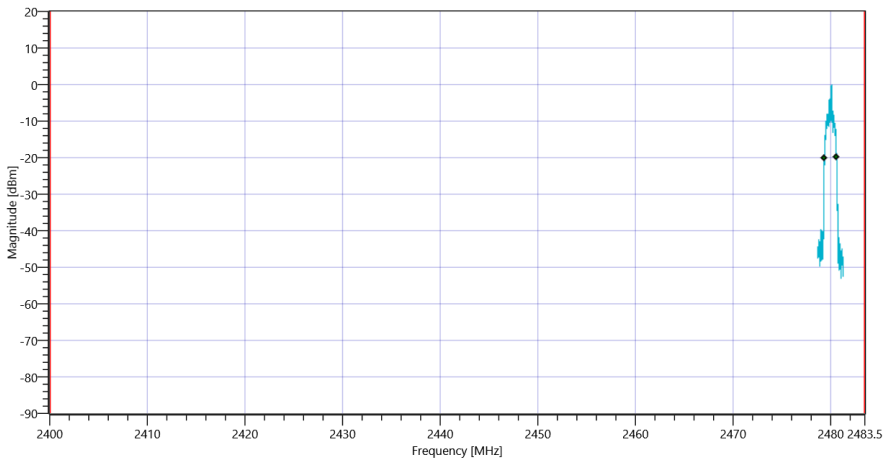
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143531.png

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



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK 20dB_19032020_143536.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_19032020_143540.png

TEST FINISHED		
General Verdict	19.03.2020 14:35:41 / RT: 127 s	PASS

5. FCC Part 15.247 TX Spurious Conduced ~ 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	

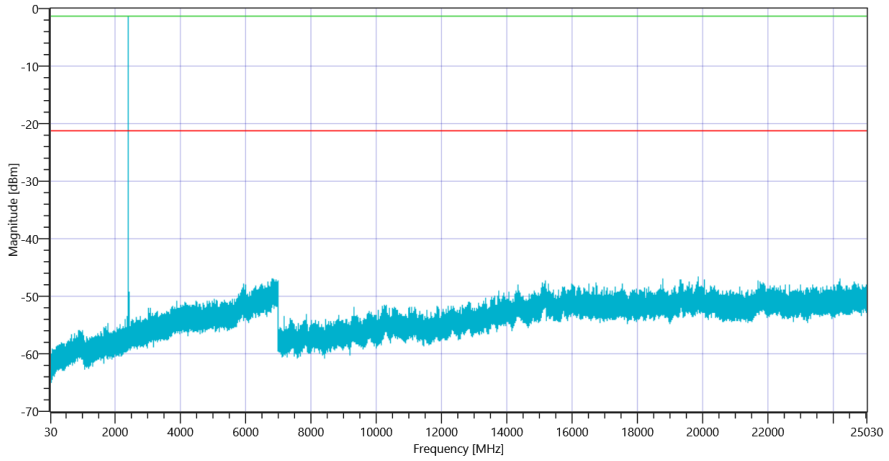
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

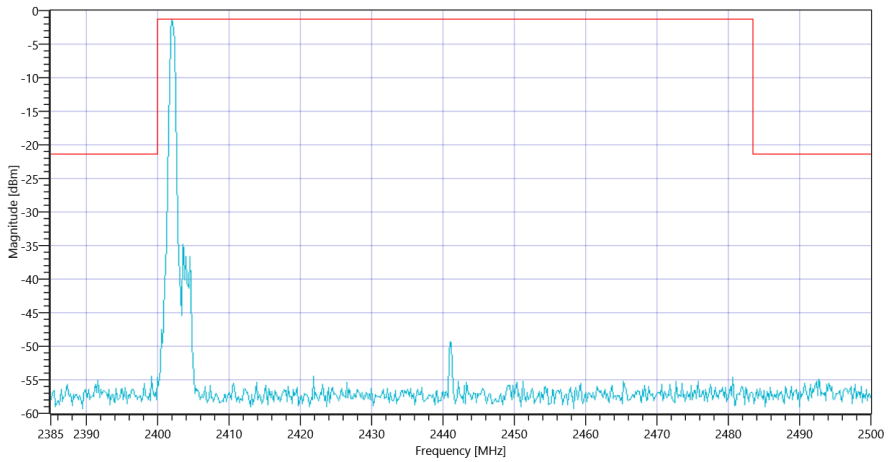
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic Basic rate 2402_19032020_135501.png



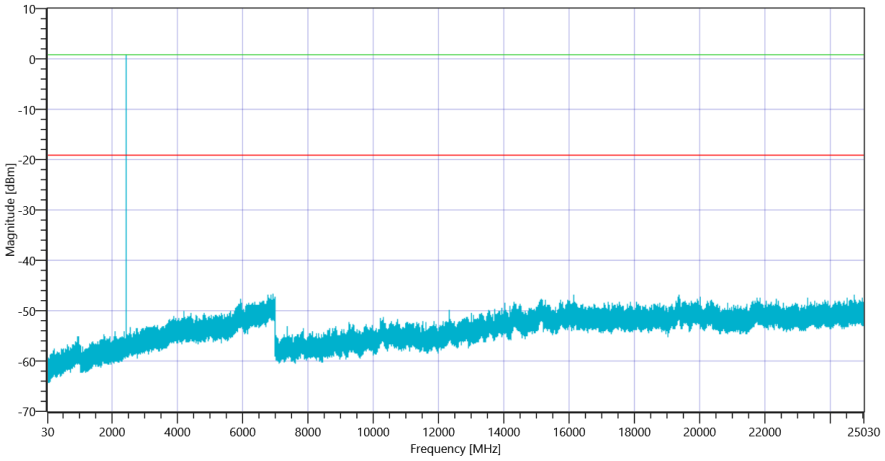
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2402_19032020_135503.png

Test at TX 2441 MHz

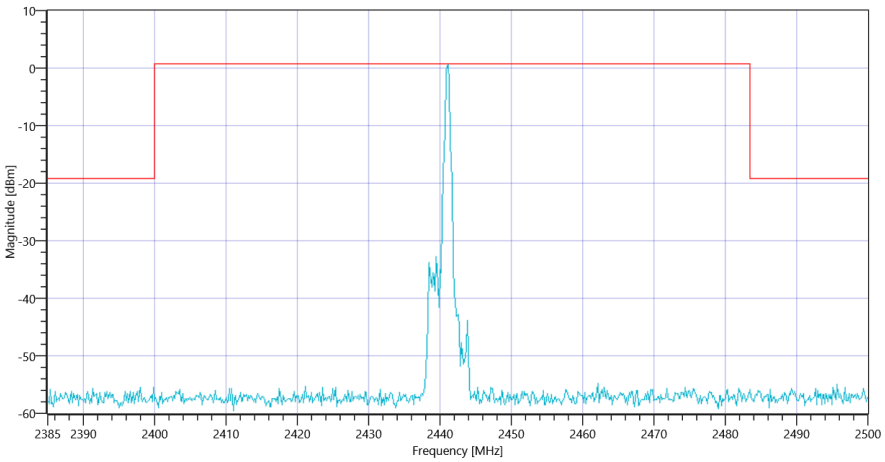
BT Classic Connection check					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic Basic rate 2441_19032020_135949.png



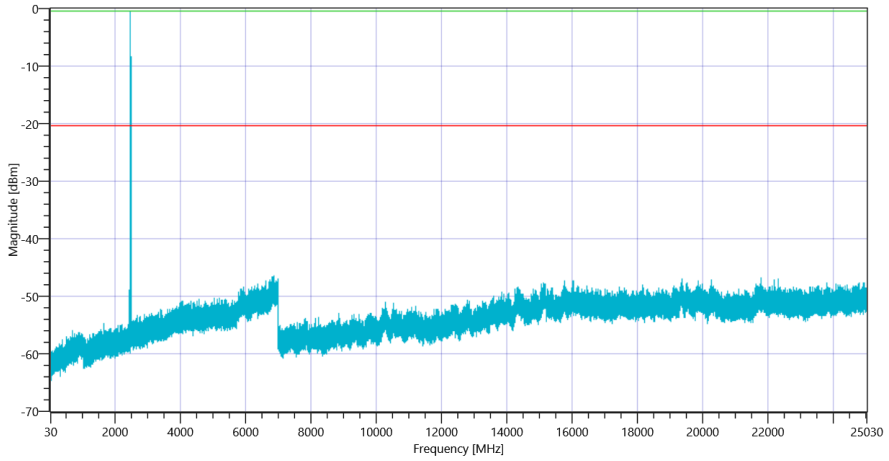
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2441_19032020_135952.png

Test at TX 2480 MHz

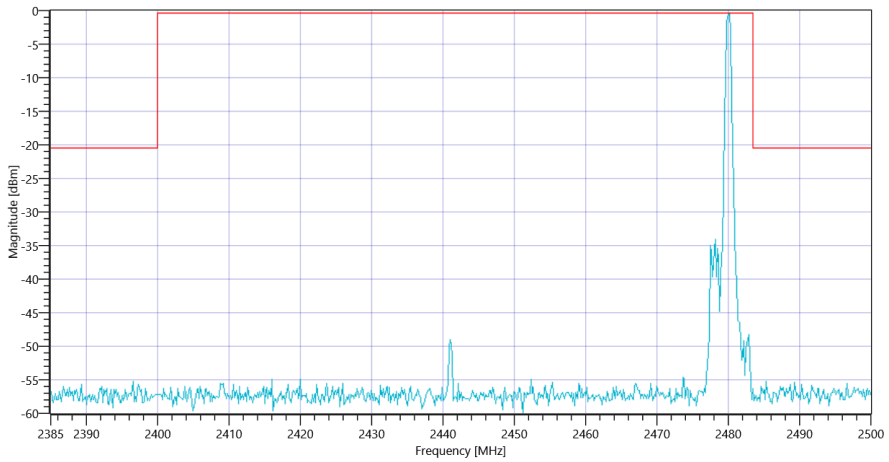
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic Basic rate 2480_19032020_140438.png



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

TEST FINISHED		
General Verdict	19.03.2020 14:04:43 / RT: 872 s	PASS

6. FCC Part 15.247 TX Spurious Conduced ~ 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	

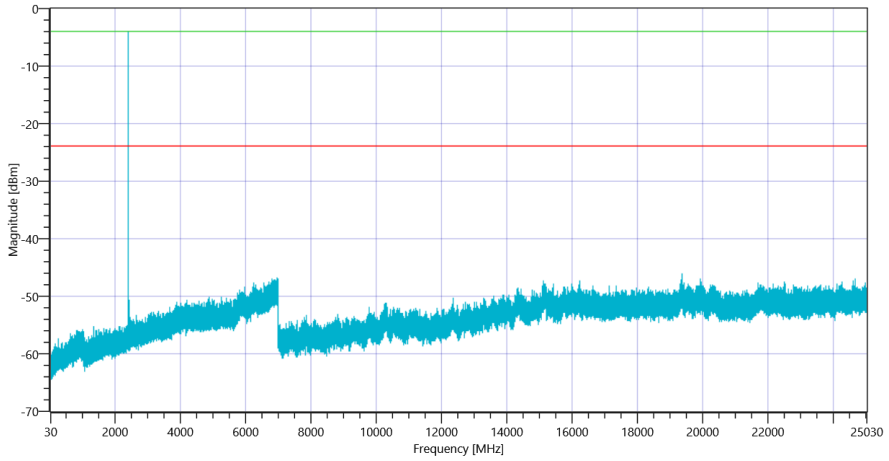
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

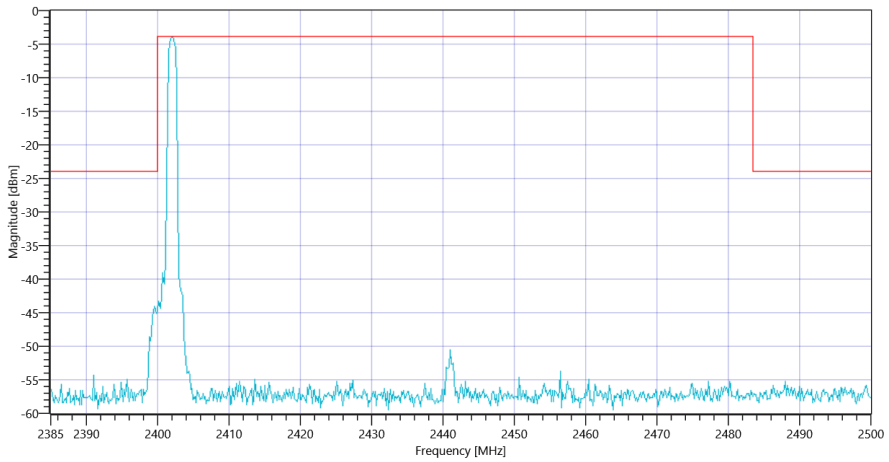
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR Pi-4DQPSK 2402_19032020_141746.png



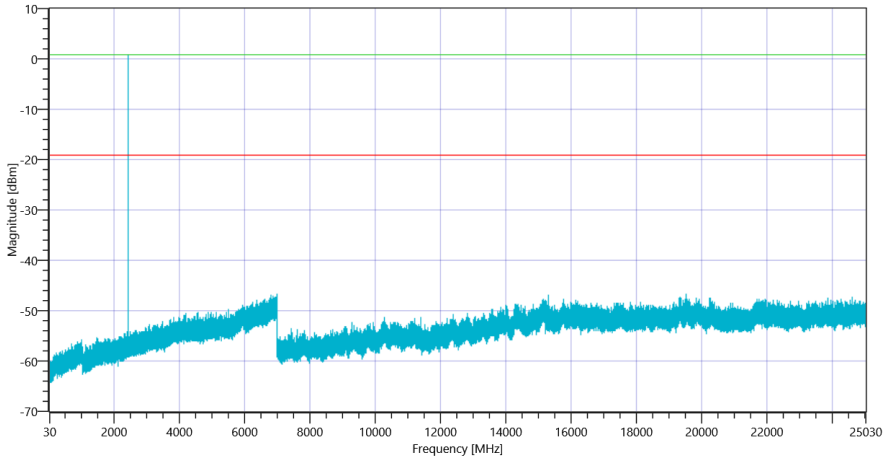
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2402_19032020_141749.png

Test at TX 2441 MHz

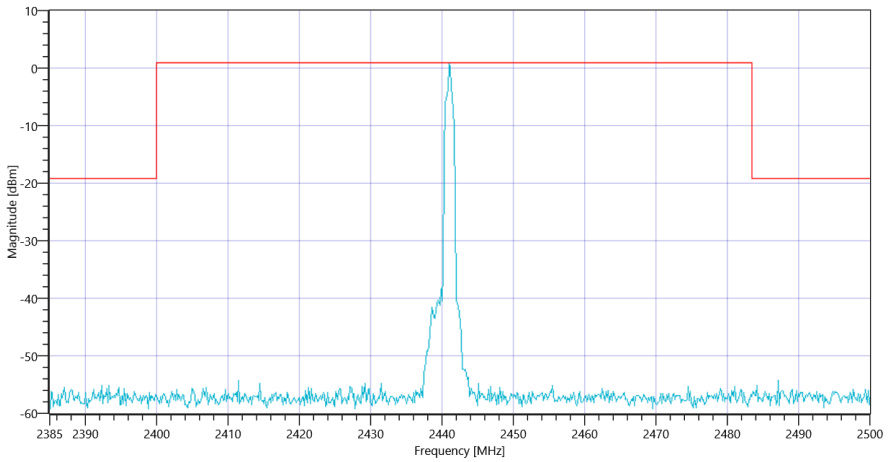
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR Pi-4DQPSK 2441_19032020_142235.png



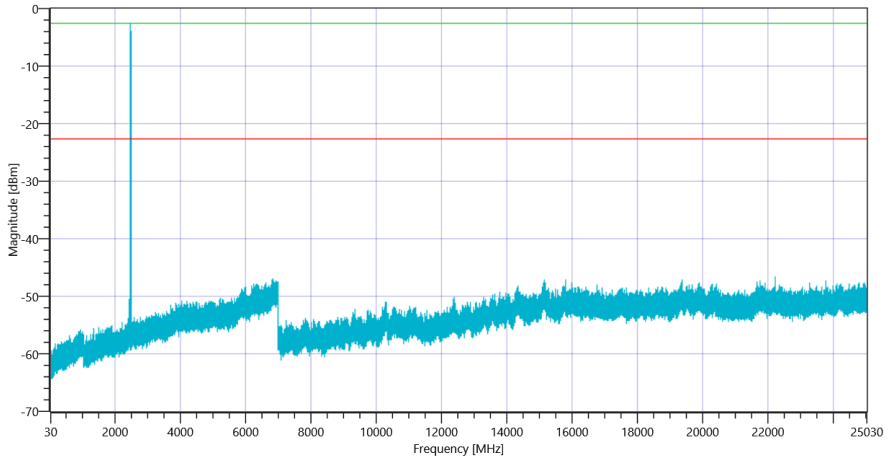
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2441_19032020_142238.png

Test at TX 2480 MHz

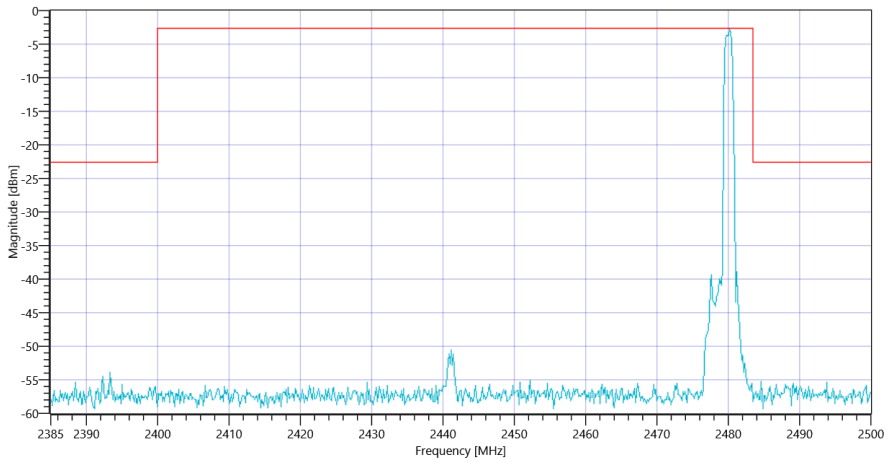
BT Classic Connection check					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR Pi-4DQPSK 2480_19032020_142724.png



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

TEST FINISHED		
General Verdict	19.03.2020 14:27:29 / RT: 873 s	PASS

7. FCC Part 15.247 TX Spurious Conduced ~ 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	

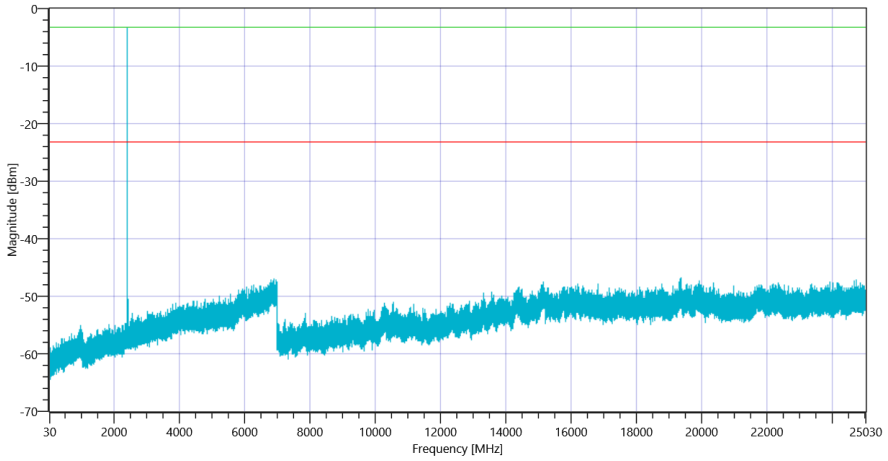
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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

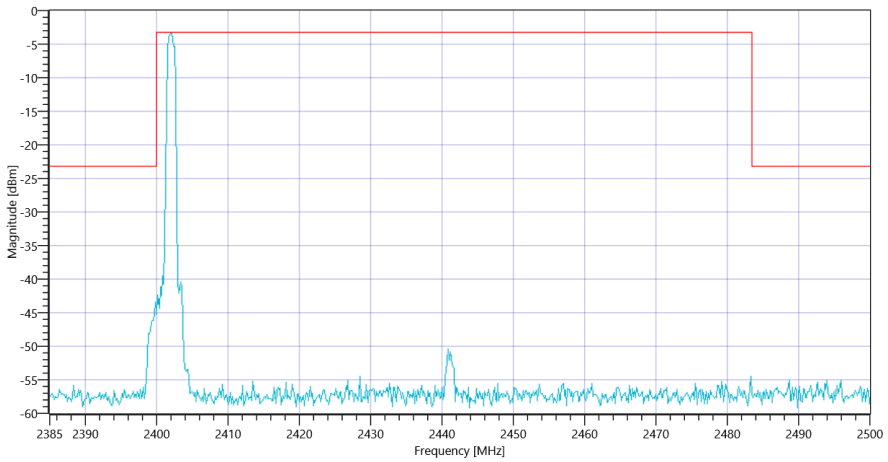
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR 8DPSK 2402_19032020_144040.png



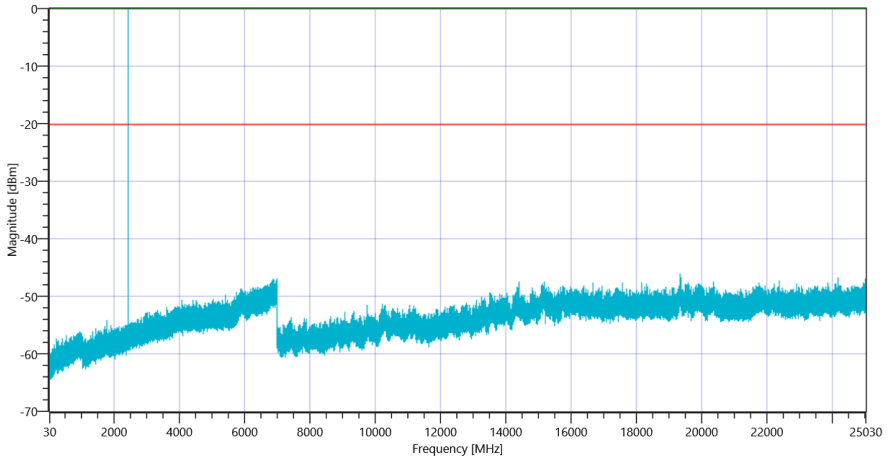
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2402_19032020_144043.png

Test at TX 2441 MHz

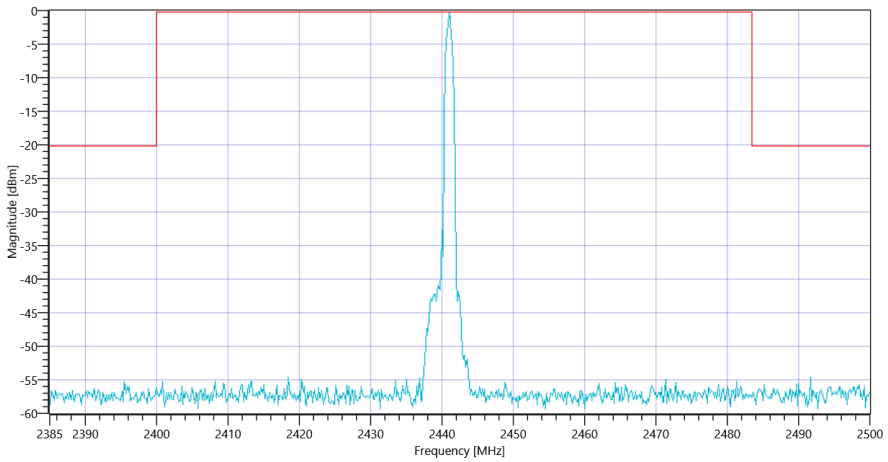
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR 8DPSK 2441_19032020_144529.png



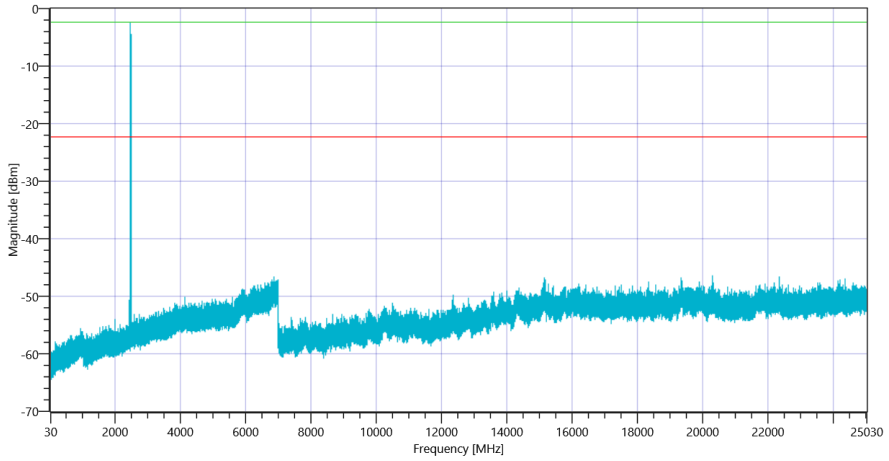
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2441_19032020_144532.png

Test at TX 2480 MHz

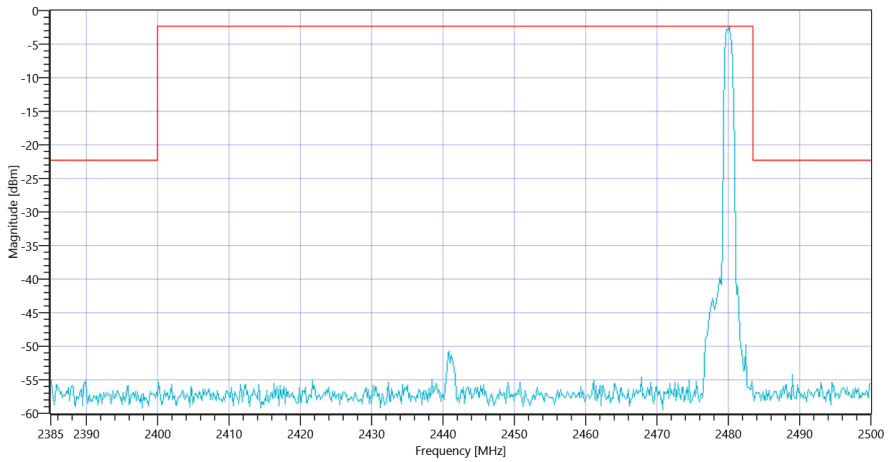
BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	---	TCON

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 Conduced ~ BT Classic EDR 8DPSK 2480_19032020_145018.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ 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	

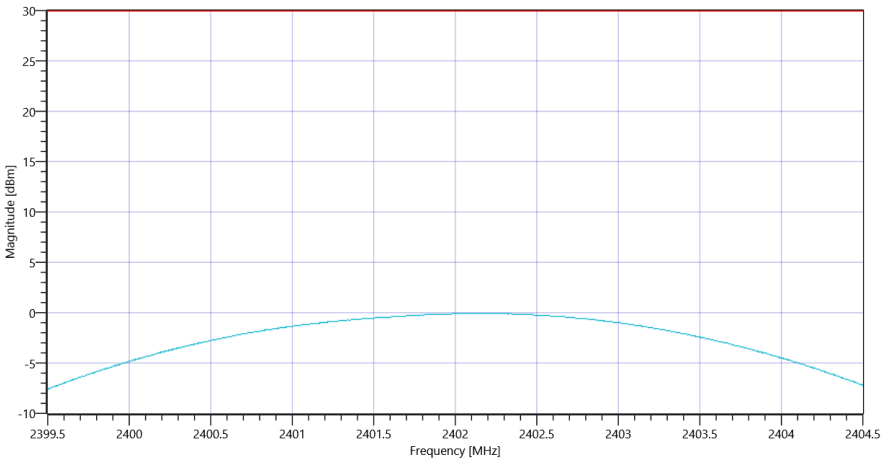
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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



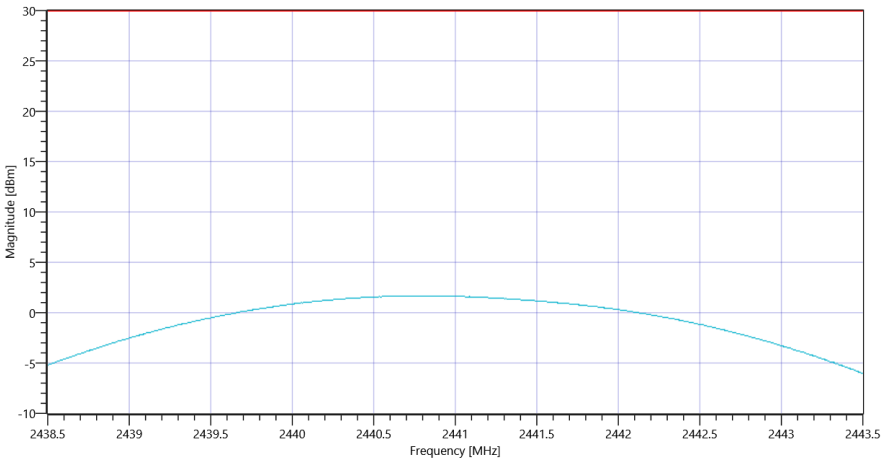
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_19032020_134406.png

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



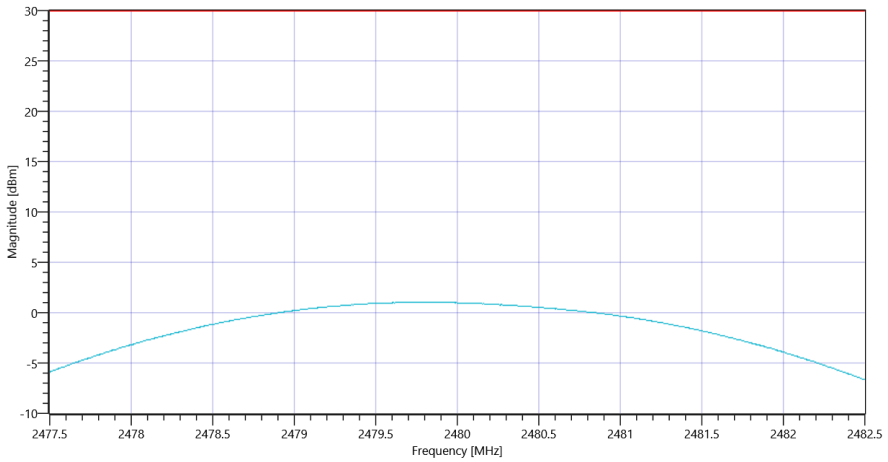
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_19032020_134432.png

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



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_19032020_134458.png

TEST FINISHED		
General Verdict	19.03.2020 13:44:59 / RT: 87 s	PASS

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	

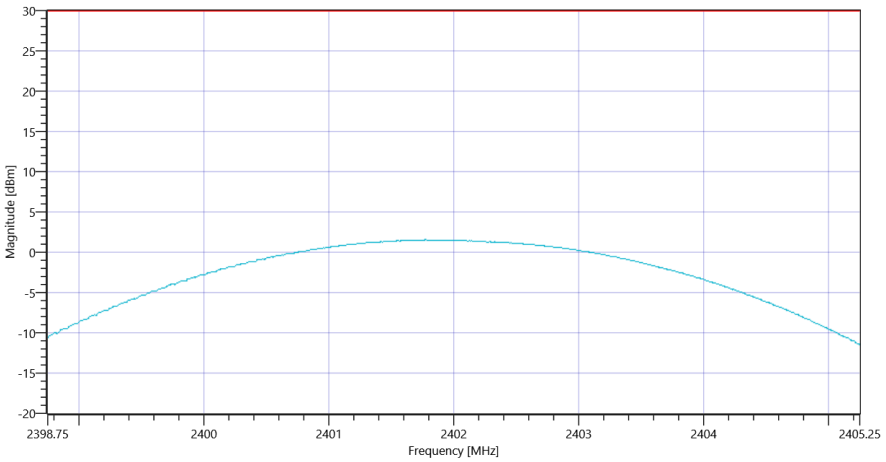
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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



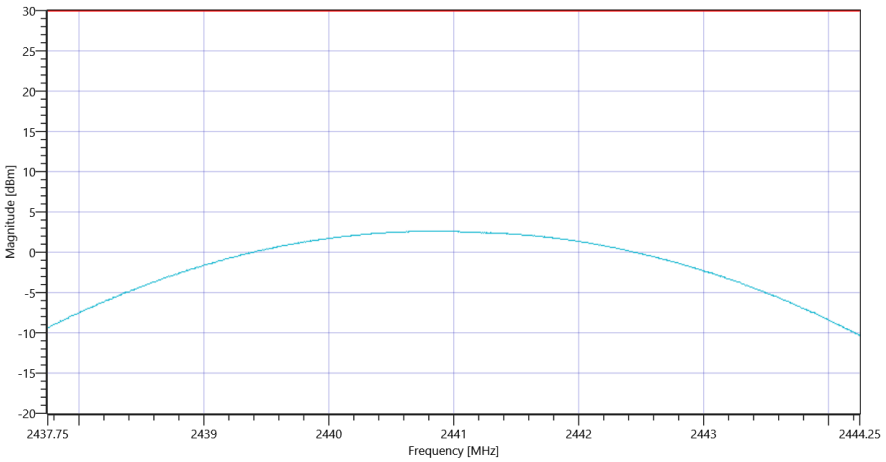
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_19032020_140649.png

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



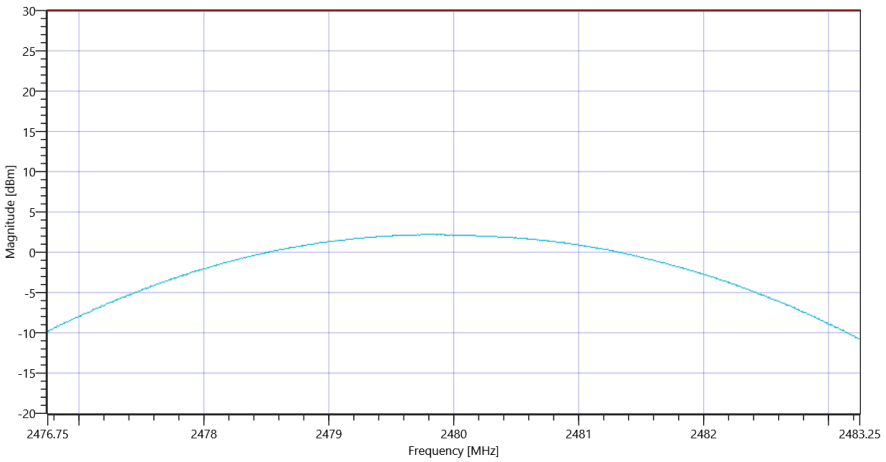
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_19032020_140715.png

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



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR Pi-4DQPSK_19032020_140741.png

TEST FINISHED		
General Verdict	19.03.2020 14:07:41 / RT: 84 s	PASS

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	

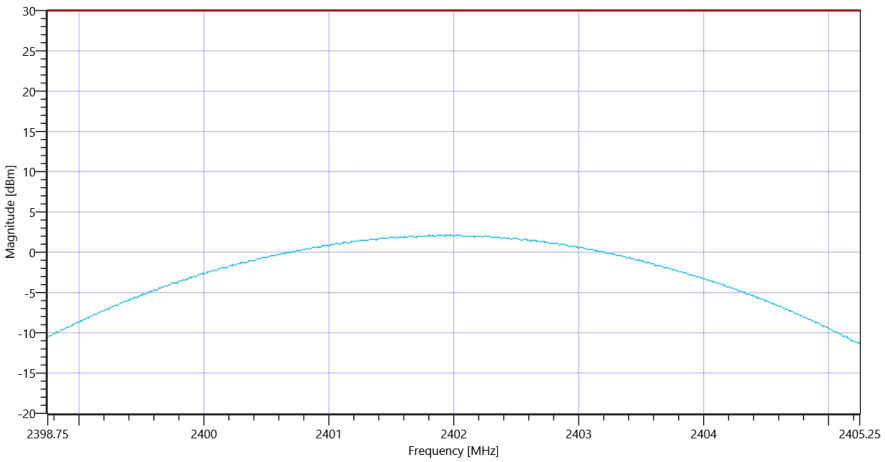
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 2402
Frequency mid to test	True | Freq [MHz] 2441
Frequency high to test	True | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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



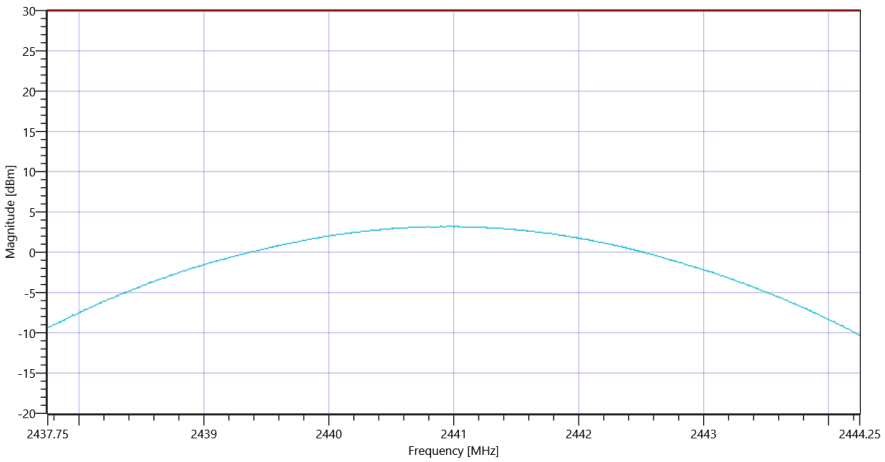
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_19032020_142941.png

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



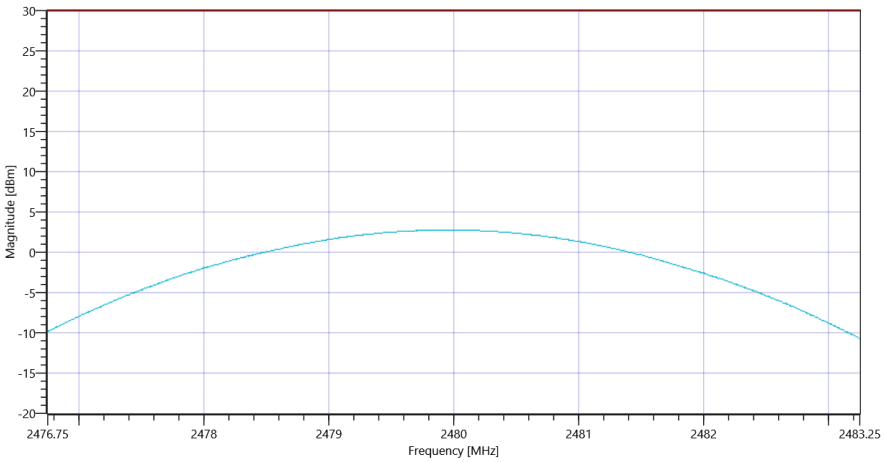
Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_19032020_143007.png

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



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic EDR 8DPSK_19032020_143033.png

TEST FINISHED		
General Verdict	19.03.2020 14:30:34 / RT: 87 s	PASS

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

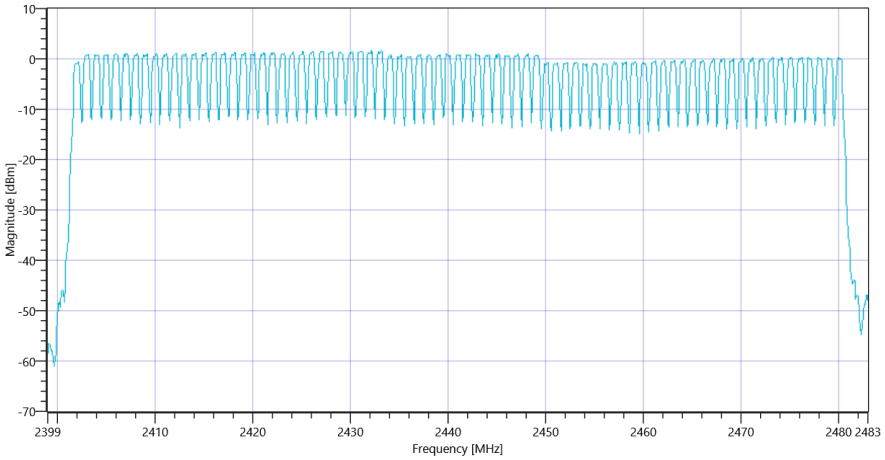
Test at TX hopping MHz

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	

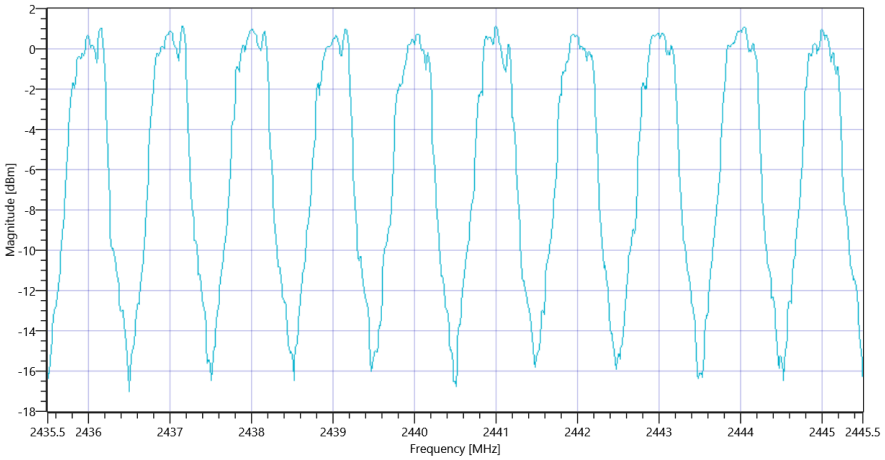
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 2402
Frequency mid to test	False | Freq [MHz] 2441
Frequency high to test	False | Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices 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 -