

Measurement Results

1-6730/18-01-03_log conducted

[Test logging](#)

This test report 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:

Jörg Warken
Lab Manager
Radio Communications & EMC

Table of Content

IUT Summary	3
1. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic Basic rate	4
2. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR Pi/4DQPSK	8
3. FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR 8DPSK	12
4. FCC Part 15.247 Number Of Hopping Channels FHSS BT Classic Basic rate	16
5. FCC Part 15.247 TX Spurious Conduced BT Classic Basic rate	20
6. FCC Part 15.247 TX Spurious Conduced BT Classic EDR Pi/4DQPSK	25
7. FCC Part 15.247 TX Spurious Conduced BT Classic EDR 8DPSK	30
8. FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate	35
9. FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi/4DQPSK	43
10. FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK	51
11. FCC Part 15.247 Carrier Frequency Separation FHSS BT Classic Basic rate	59
12. FCC Part 15.247 Carrier Frequency Separation FHSS BT Classic EDR Pi/4DQPSK	62
13. FCC Part 15.247 Carrier Frequency Separation FHSS BT Classic EDR 8DPSK	65
14. Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic Basic rate	68
15. Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR Pi/4DQPSK	72
16. Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR 8DPSK	76

IUT Summary

IUT DEFINITION	
Manufacturer	Bury GmbH and Co KG
Type	TSR2
Serial No.	BTA: 40BD32E43980
Setup No.	NI
SW Version	Tbd
HW Version	Tbd
Comment 1	NI
Comment 2	NI
IUT Common Settings	
Tlow [°C]	-40
Tmid [°C]	20
Thigh [°C]	85
Vlow [V]	6
Vmid [V]	8.25
Vhigh [V]	8.25
Imax [A]	1
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	Yes
IUT BT Address	0123456789AB
Signaling BT Address	BABEBEDADBAD
Switch Matrix & Pathcompensation enabled	Yes

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

Test References	
TC Start	06.11.2018 08:56:26
System Version	1.0.0.10
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

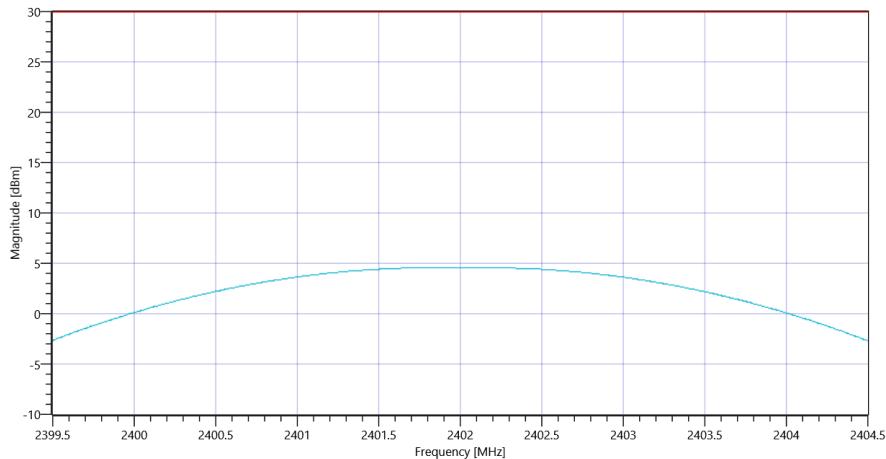
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	14.66
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2399.500
Freq. Stop [MHz]	2404.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	4.57	dBm	PASS
Peak Power	--	1000	2.864178	mW	PASS
Frequency at Peak	--	--	2401.885	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic Basic rate_06112018_085653.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

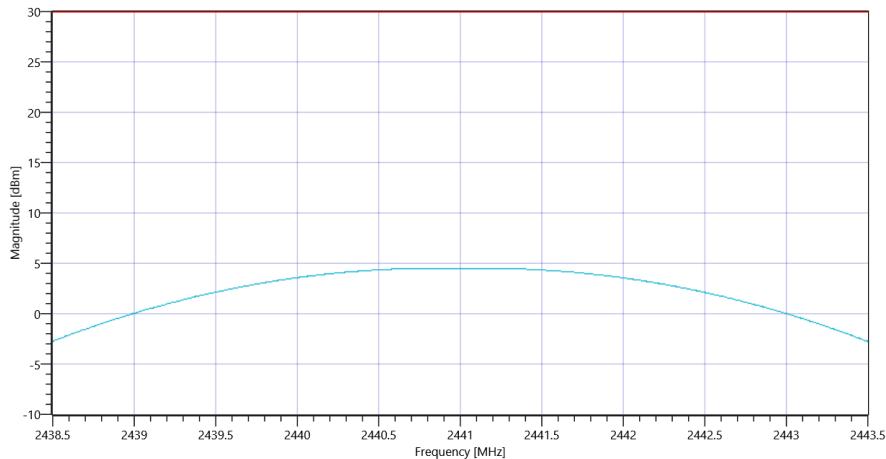
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	14.60
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2438.500
Freq. Stop [MHz]	2443.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	4.5	dBm	PASS
Peak Power	--	1000	2.818383	mW	PASS
Frequency at Peak	--	--	2440.83	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic Basic rate_06112018_085712.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

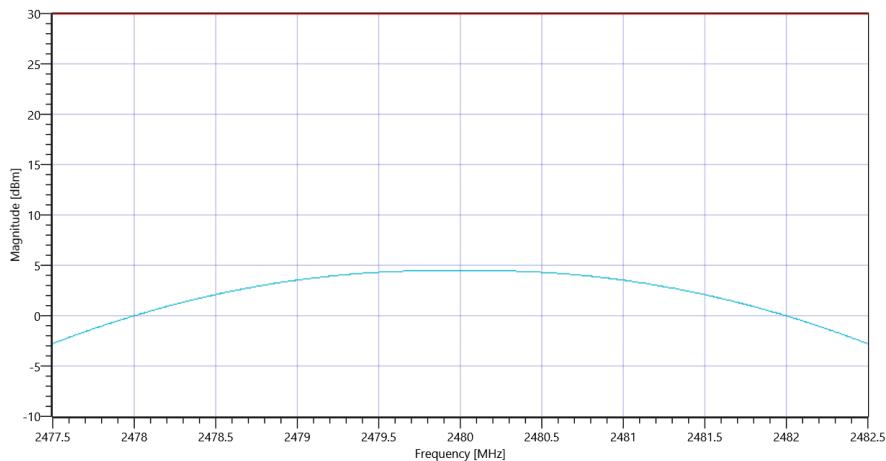
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	14.46
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	20
Freq. Start [MHz]	2477.500
Freq. Stop [MHz]	2482.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	4.47	dBm	PASS
Peak Power	--	1000	2.798981	mW	PASS
Frequency at Peak	--	--	2480.11	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic Basic rate_06112018_085732.png

TEST FINISHED

General Verdict

06.11.2018 08:57:32 / RT: 65 s

PASS

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

Test References	
TC Start	06.11.2018 08:57:33
System Version	1.0.0.10
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

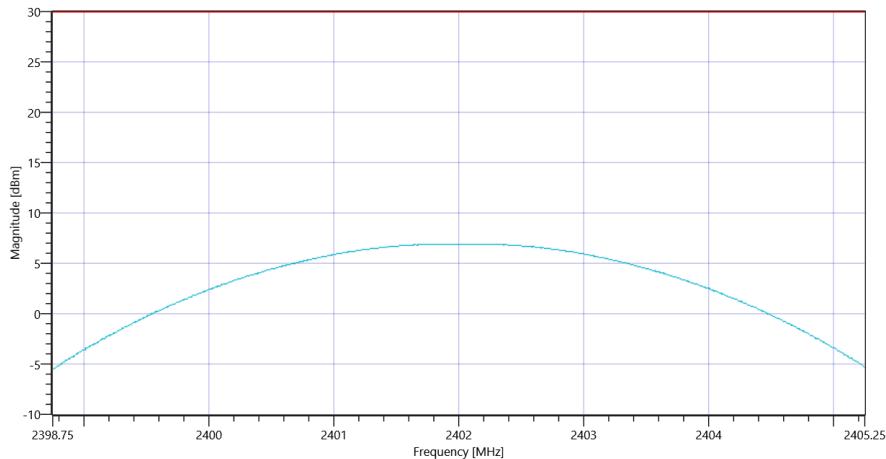
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.37
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	25
Freq. Start [MHz]	2398.750
Freq. Stop [MHz]	2405.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	6.92	dBm	PASS
Peak Power	--	1000	4.920395	mW	PASS
Frequency at Peak	--	--	2402.097	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR Pi-4DQPSK_06112018_085758.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

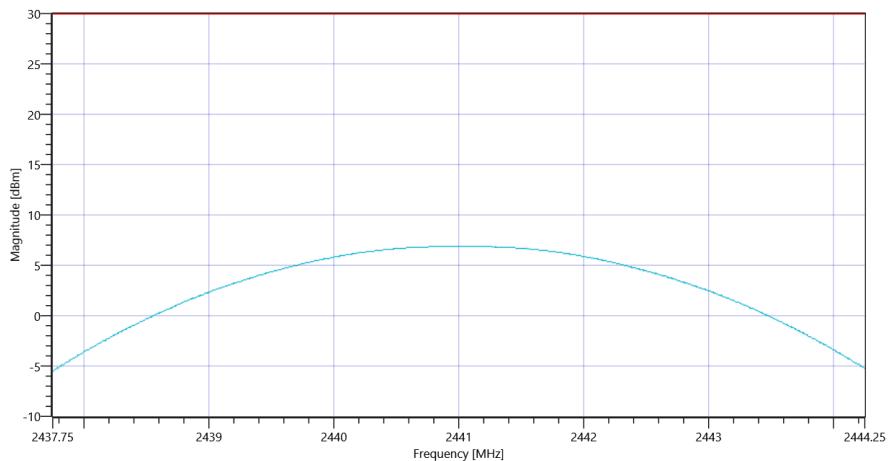
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.12
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	25
Freq. Start [MHz]	2437.750
Freq. Stop [MHz]	2444.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	6.87	dBm	PASS
Peak Power	--	1000	4.864072	mW	PASS
Frequency at Peak	--	--	2441.143	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR Pi-4DQPSK_06112018_085817.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

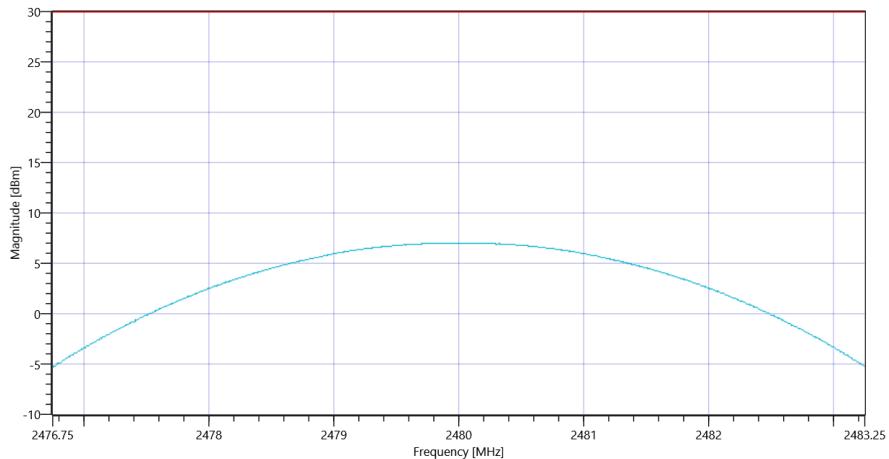
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.23
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	25
Freq. Start [MHz]	2476.750
Freq. Stop [MHz]	2483.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	6.99	dBm	PASS
Peak Power	--	1000	5.000345	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_06112018_085836.png

TEST FINISHED

General Verdict

06.11.2018 08:58:37 / RT: 63 s

PASS

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

Test References	
TC Start	06.11.2018 08:58:38
System Version	1.0.0.10
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 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
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

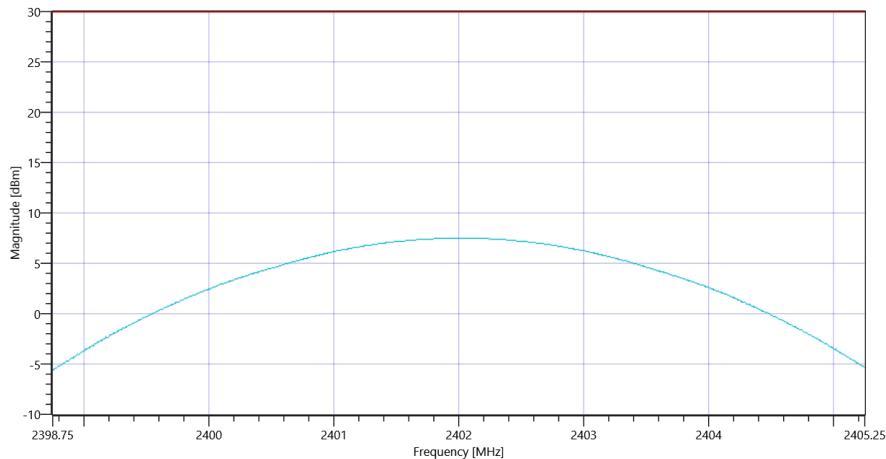
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	17.08
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	25
Freq. Start [MHz]	2398.750
Freq. Stop [MHz]	2405.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	7.51	dBm	PASS
Peak Power	--	1000	5.636377	mW	PASS
Frequency at Peak	--	--	2402.032	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR 8DPSK_06112018_085905.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

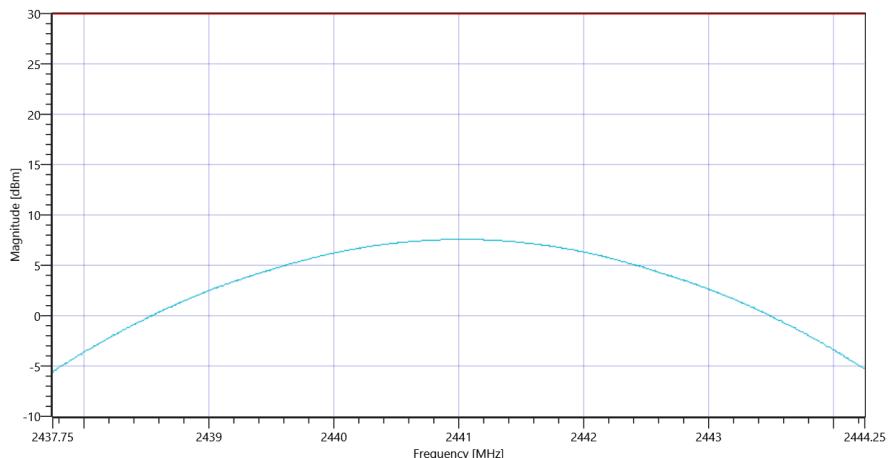
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.92
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	25
Freq. Start [MHz]	2437.750
Freq. Stop [MHz]	2444.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	7.58	dBm	PASS
Peak Power	--	1000	5.72796	mW	PASS
Frequency at Peak	--	--	2441.11	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR 8DPSK_06112018_085924.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

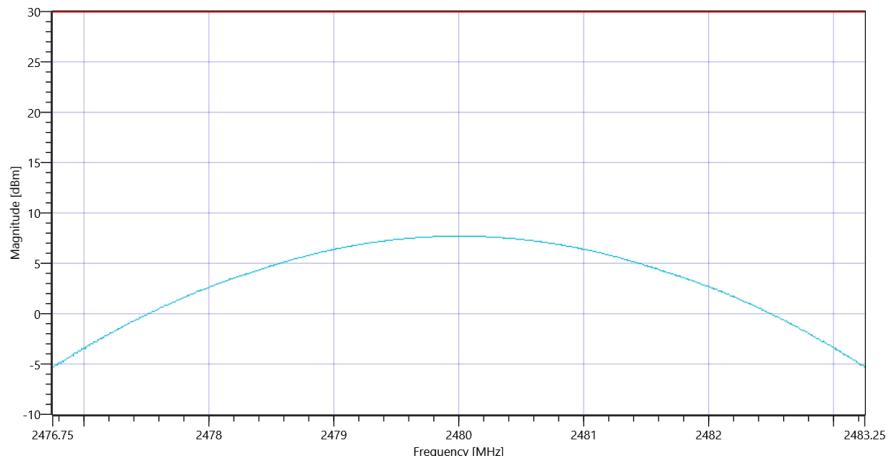
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.69
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	25
Freq. Start [MHz]	2476.750
Freq. Stop [MHz]	2483.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	10.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	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	7.7	dBm	PASS
Peak Power	--	1000	5.888437	mW	PASS
Frequency at Peak	--	--	2480	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS BT Classic EDR 8DPSK_06112018_085943.png

TEST FINISHED

General Verdict

06.11.2018 08:59:43 / RT: 65 s

PASS

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

Test References	
TC Start	06.11.2018 08:59:45
System Version	1.0.0.10
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
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX hopping MHz

RESULT: BT Classic Connection check

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

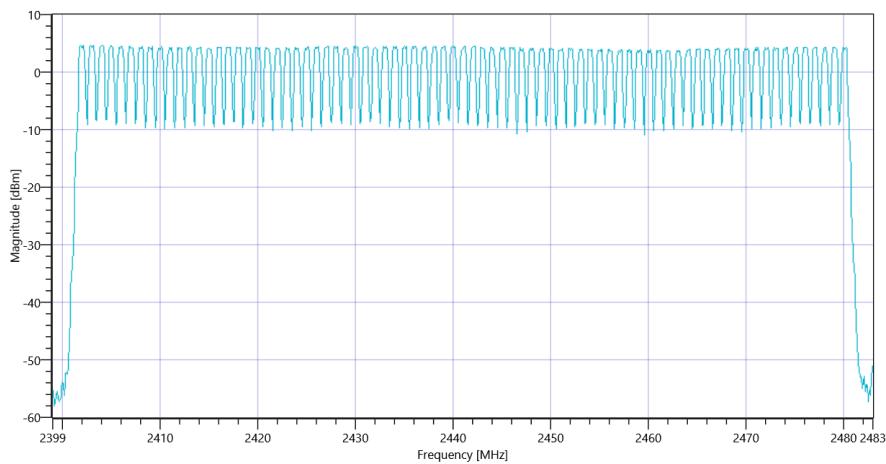
READ SA SETTINGS:

Ref. Level [dBm]	9.56
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	15
Freq. Start [MHz]	2399.000
Freq. Stop [MHz]	2483.000
Resolution BW. [MHz]	0.200000
Video BW. [MHz]	0.500000
Detector	POS
Sweep Time [ms]	1
Sweep Points/Section	1001
Sweep Count	10000
Sweep Mode	MAXH
Used Sweep Type	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_06112018_090025.png

TEST FINISHED

General Verdict

06.11.2018 09:00:25 / RT: 40 s

PASS

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

Test References	
TC Start	06.11.2018 09:01:32
System Version	1.0.0.10
Test Specification	FCC Part 15.247
Test Method	
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

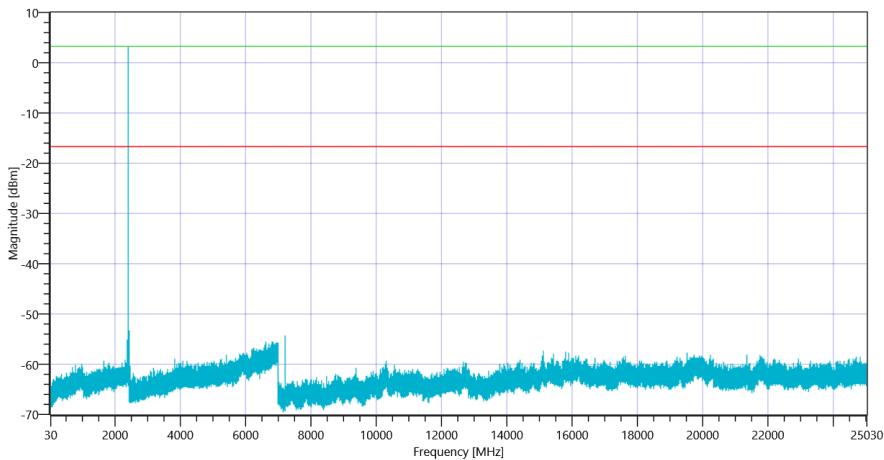
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

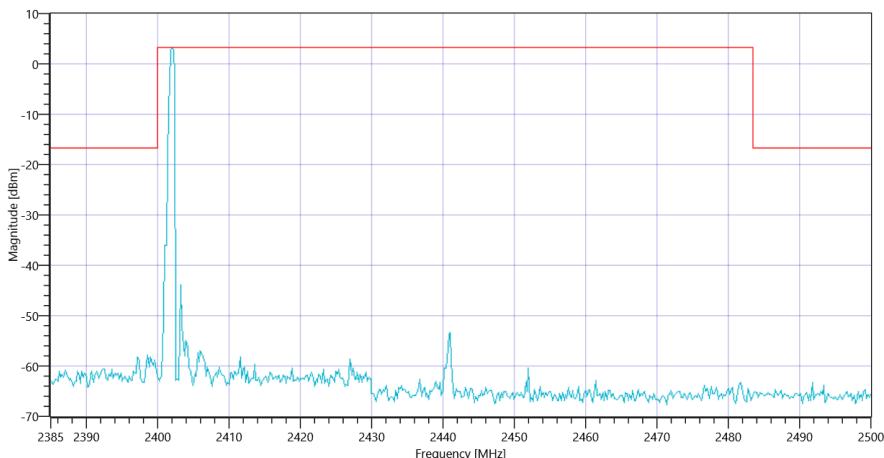
Ref. Level [dBm]	9.50
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz	--	--	3.30	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2402_06112018_090715.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2402_06112018_090718.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

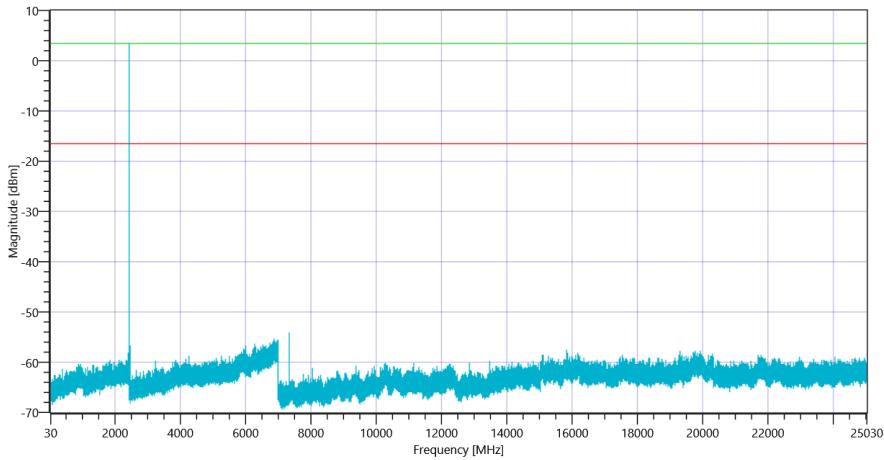
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

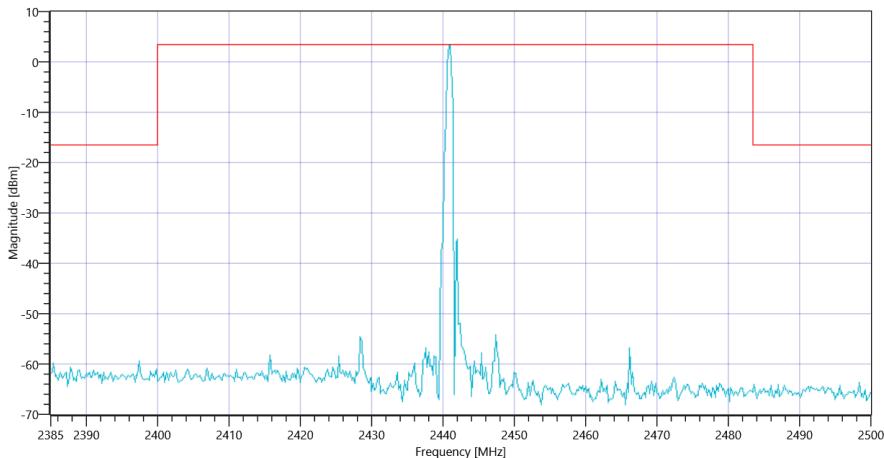
Ref. Level [dBm]	9.33
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.80 MHz	--	--	3.45	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2441_06112018_091256.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2441_06112018_091258.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

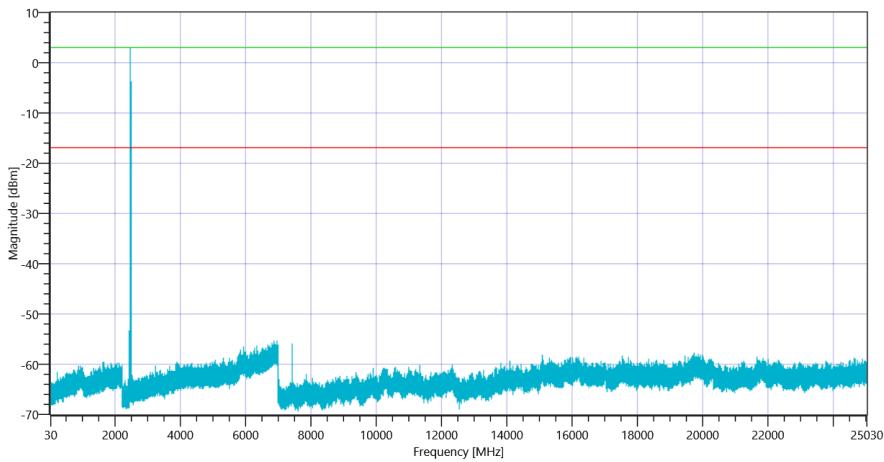
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

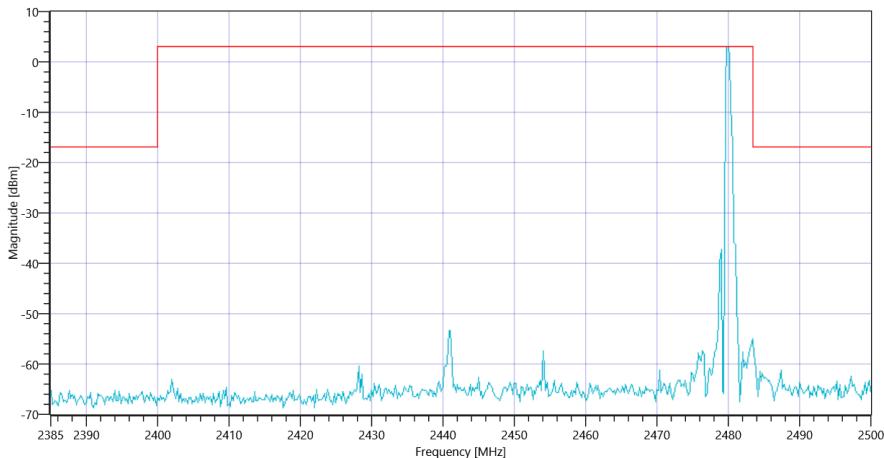
Ref. Level [dBm]	9.15
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	--	--	3.09	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2480_06112018_091836.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic Basic rate 2480_06112018_091838.png

TEST FINISHED

General Verdict

06.11.2018 09:18:39 / RT: 1027 s

PASS

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

Test References	
TC Start	06.11.2018 09:18:41
System Version	1.0.0.10
Test Specification	FCC Part 15.247
Test Method	
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

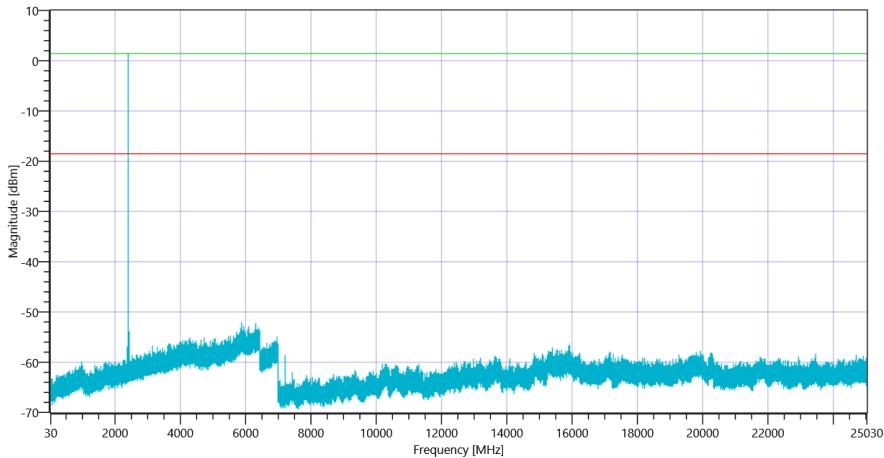
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

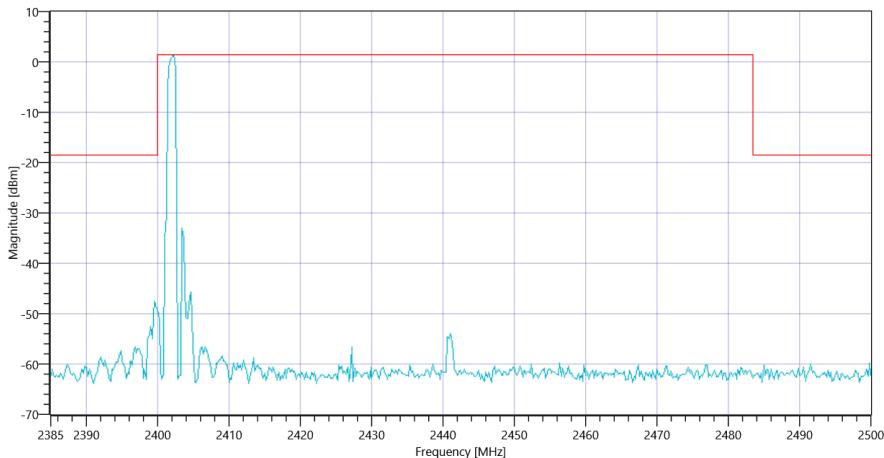
Ref. Level [dBm]	11.05
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.20 MHz	--	--	1.51	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2402_06112018_092424.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2402_06112018_092427.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

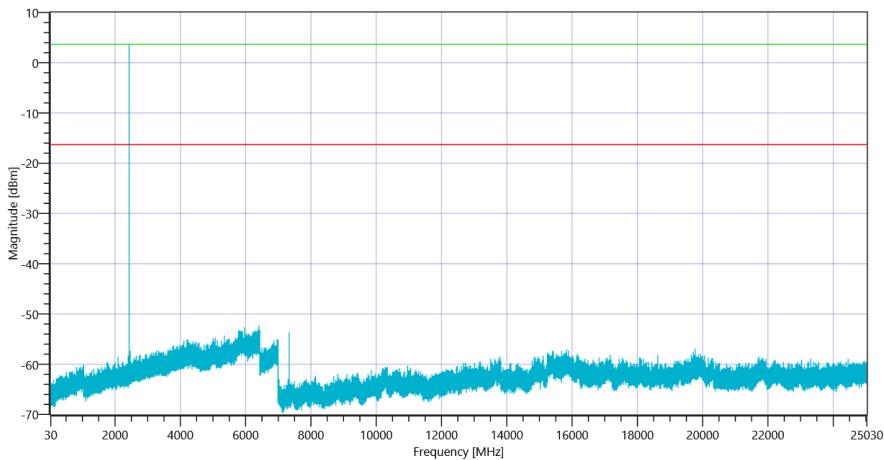
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

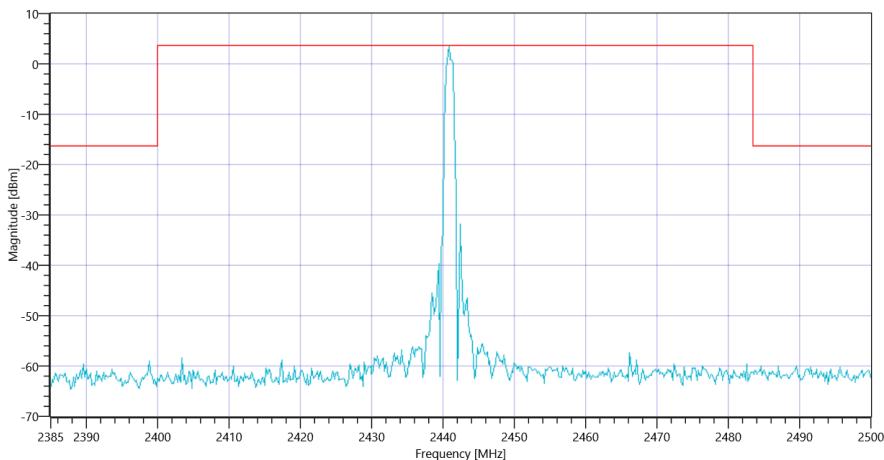
Ref. Level [dBm]	11.12
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.80 MHz	--	--	3.71	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2441_06112018_093004.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2441_06112018_093007.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

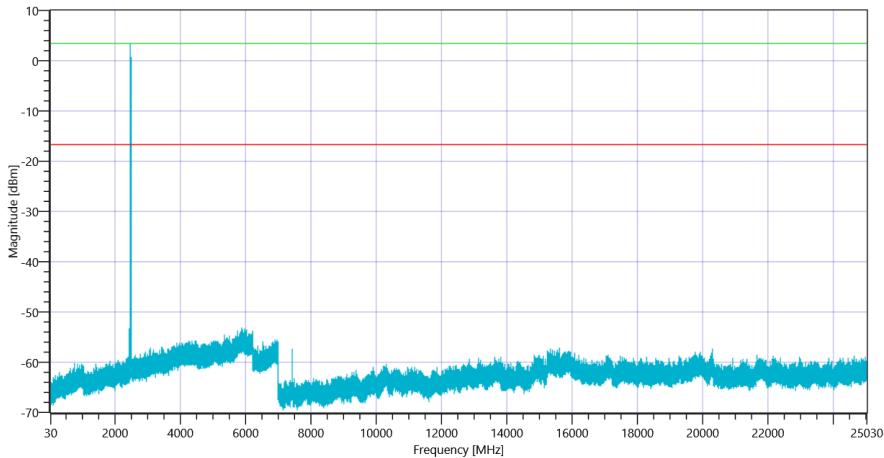
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

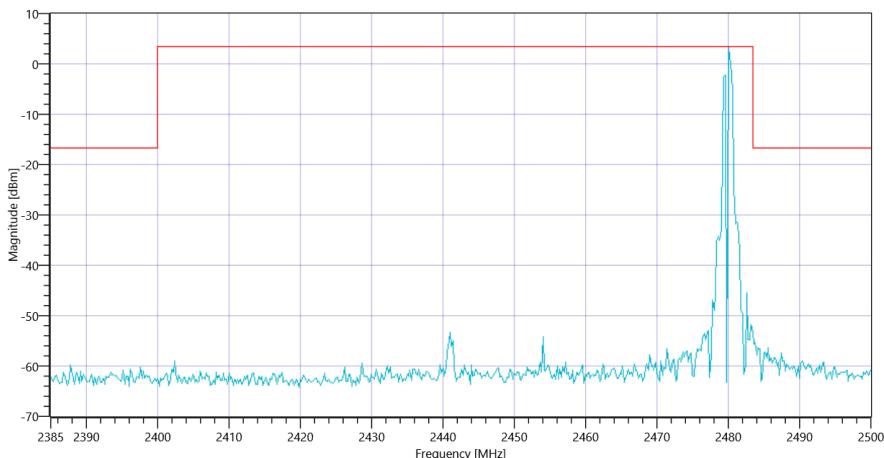
Ref. Level [dBm]	10.99
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	--	--	3.37	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2480_06112018_093545.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR Pi-4DQPSK 2480_06112018_093547.png

TEST FINISHED

General Verdict

06.11.2018 09:35:48 / RT: 1027 s

PASS

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

Test References	
TC Start	06.11.2018 09:35:50
System Version	1.0.0.10
Test Specification	FCC Part 15.247
Test Method	
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 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
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

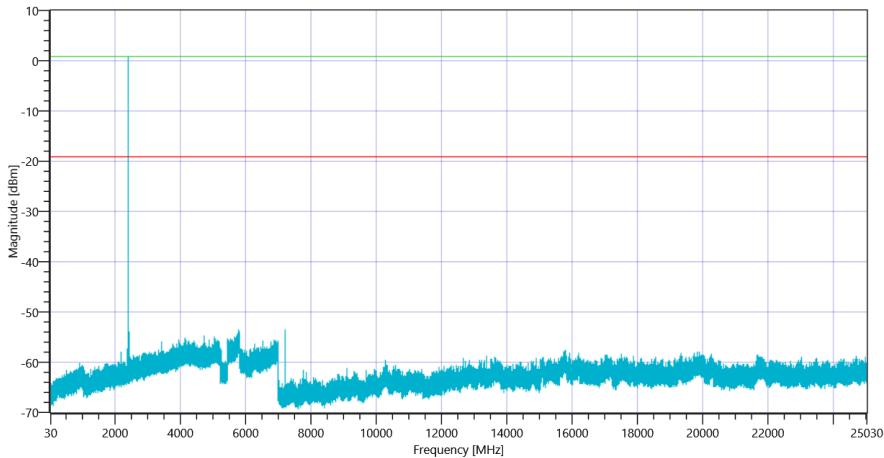
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

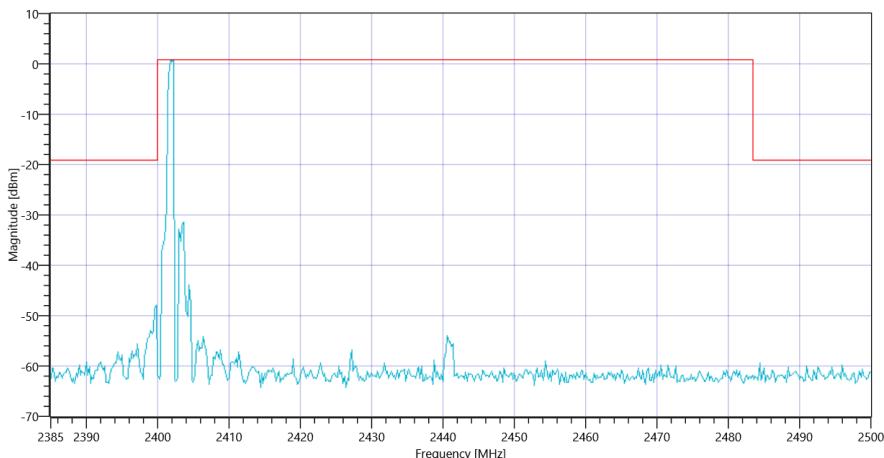
Ref. Level [dBm]	10.77
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2401.80 MHz	--	--	0.90	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2402_06112018_094137.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2402_06112018_094139.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

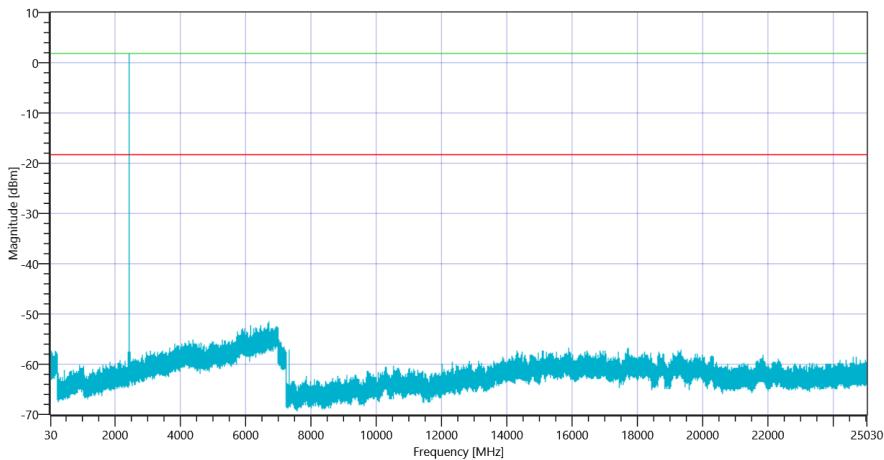
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

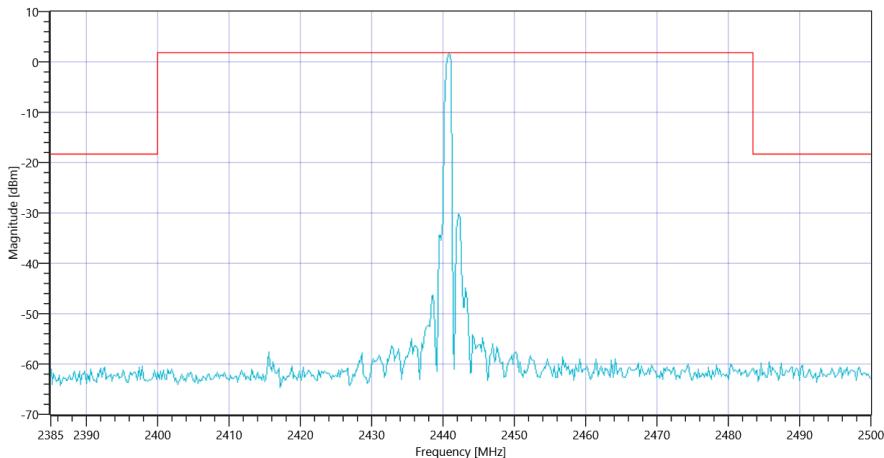
Ref. Level [dBm]	11.60
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.80 MHz	--	--	1.75	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2441_06112018_094717.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2441_06112018_094720.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

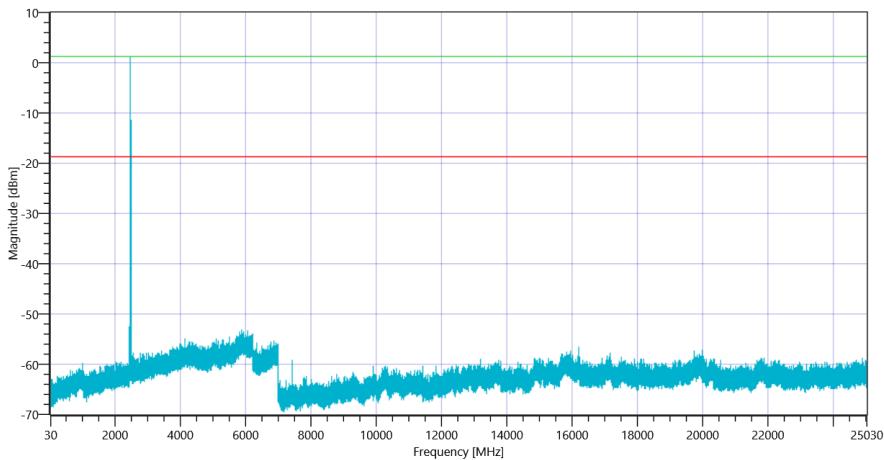
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

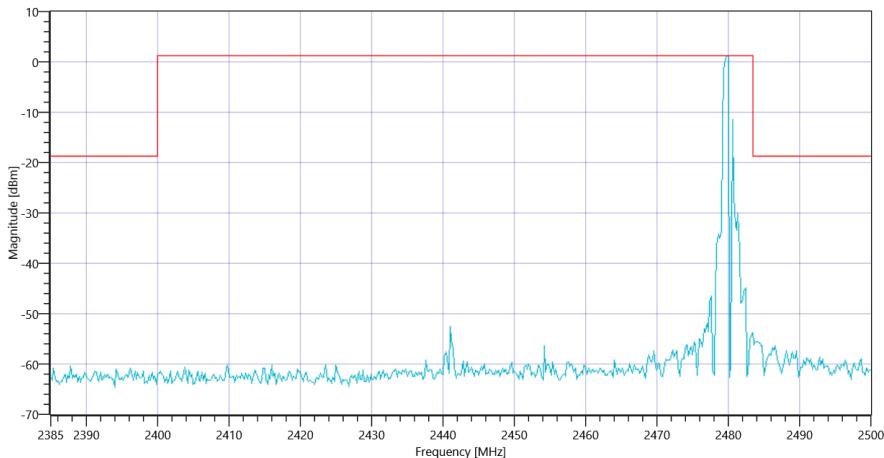
Ref. Level [dBm]	10.96
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz	--	--	1.26	dBm	Information
No peaks detected	--	--			PASS



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2480_06112018_095258.png



Plot_FCC Part 15.247 TX Spurious Conducted BT Classic EDR 8DPSK 2480_06112018_095300.png

TEST FINISHED

General Verdict

06.11.2018 09:53:01 / RT: 1031 s

PASS

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

Test References	
TC Start	06.11.2018 09:53:03
System Version	1.0.0.10
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

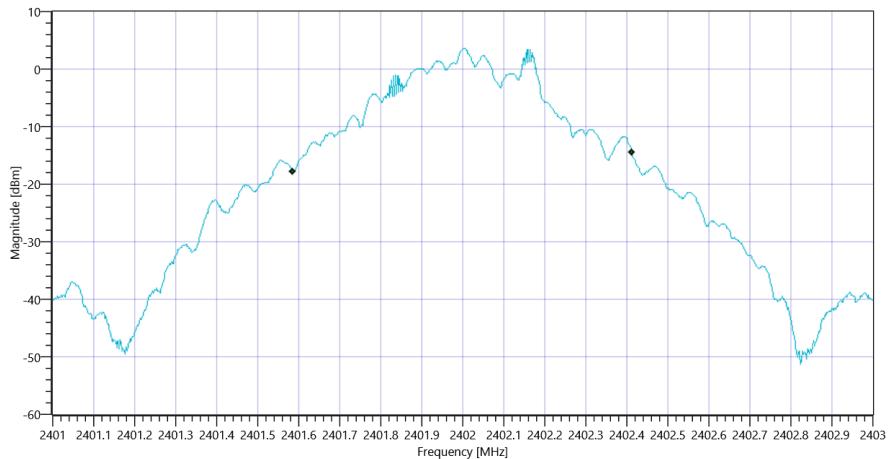
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

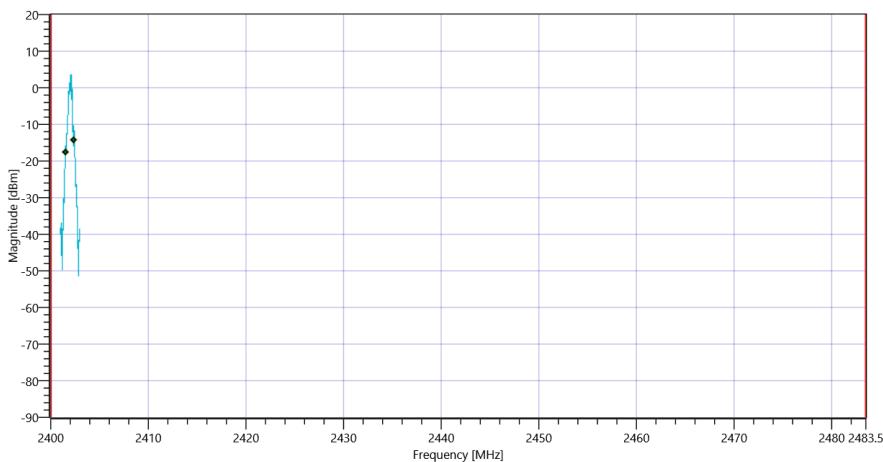
Ref. Level [dBm]	9.22
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	15
Freq. Start [MHz]	2401.000
Freq. Stop [MHz]	2403.000
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	0.825	MHz	Information
T1	2400.000000	--	2401.5864	MHz	PASS
T2	--	2483.500000	2402.4116	MHz	PASS

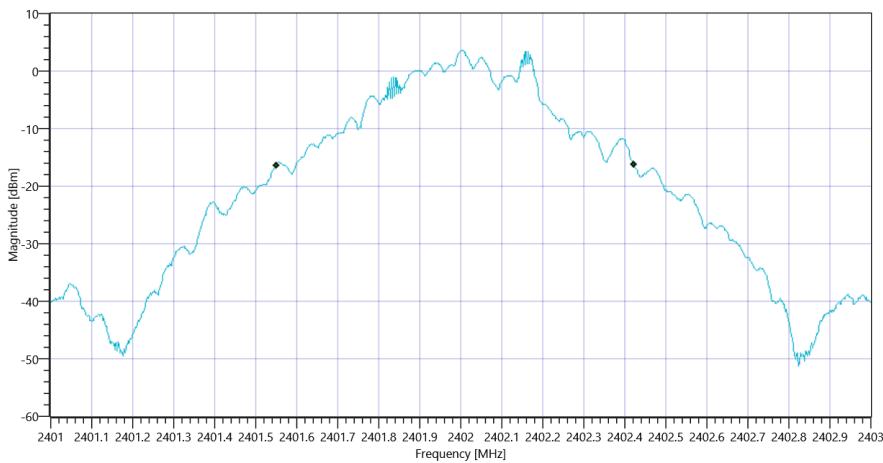


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT_06112018_095328.png

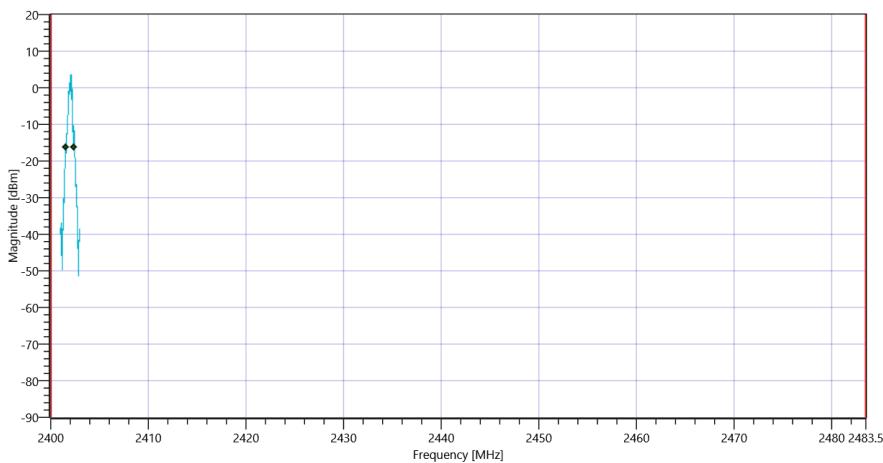


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095330.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	0.872	MHz	Information
T1 20dB	2400.000000	--	2401.5500	MHz	PASS
T2 20dB	--	2483.500000	2402.4220	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 20dB_06112018_095334.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095337.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

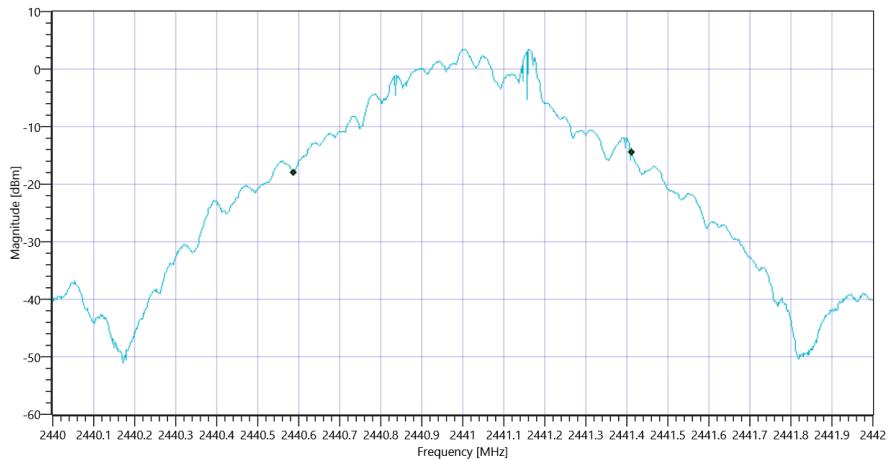
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

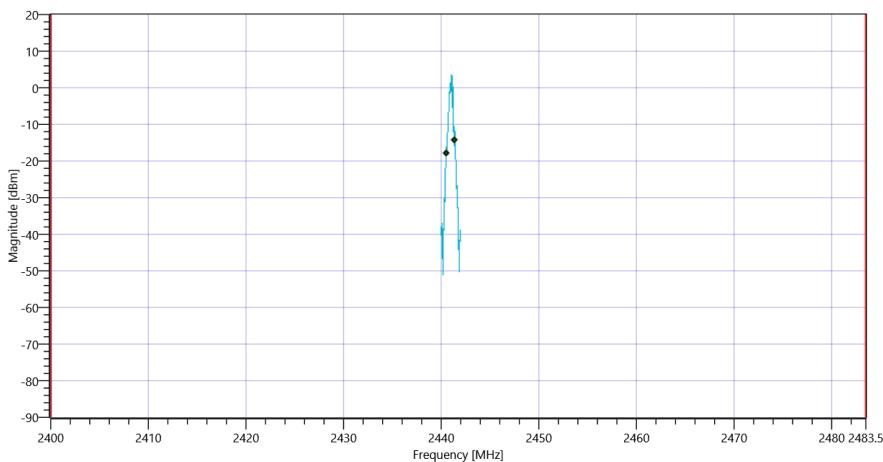
Ref. Level [dBm]	9.14
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	15
Freq. Start [MHz]	2440.000
Freq. Stop [MHz]	2442.000
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	0.823	MHz	Information
T1	2400.000000	--	2440.5884	MHz	PASS
T2	--	2483.500000	2441.4116	MHz	PASS

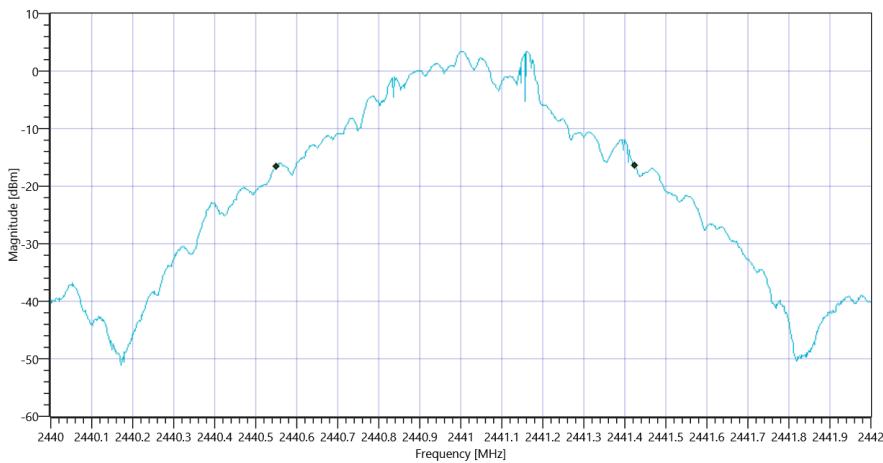


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT_06112018_095357.png

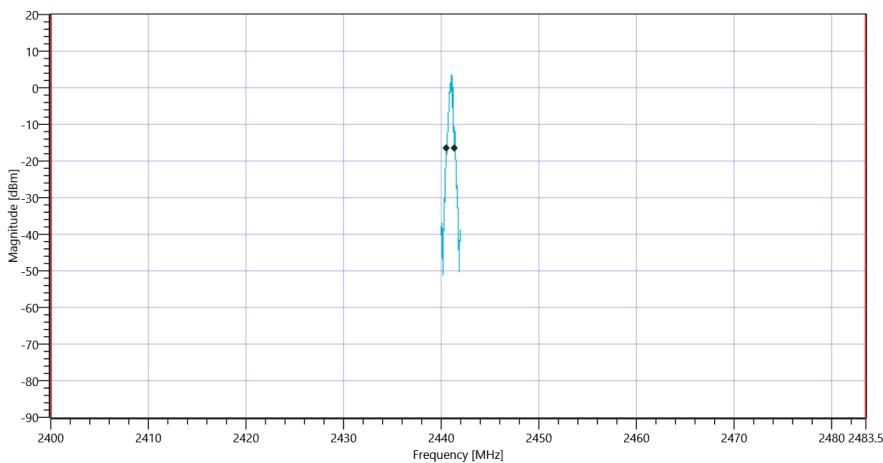


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095359.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	0.874	MHz	Information
T1 20dB	2400.000000	--	2440.5500	MHz	PASS
T2 20dB	--	2483.500000	2441.4240	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 20dB_06112018_095403.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095406.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

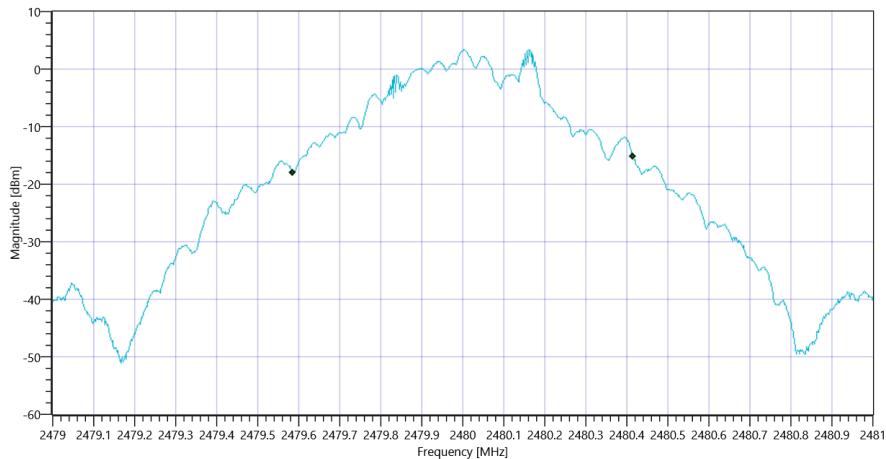
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

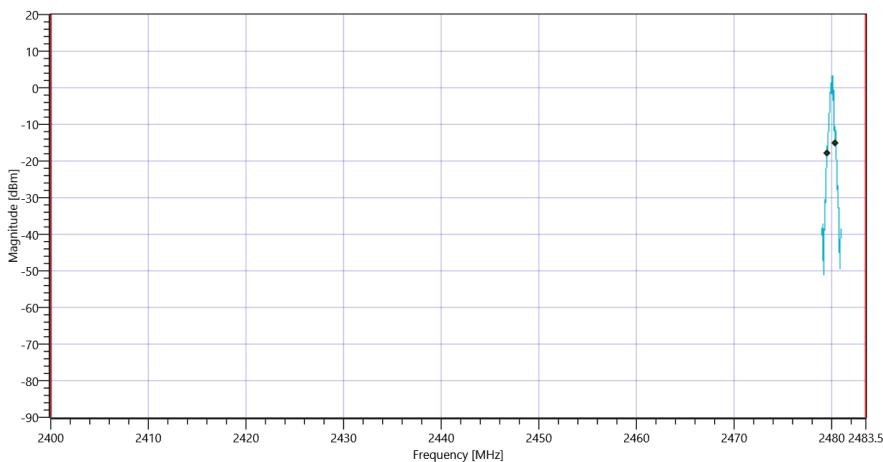
Ref. Level [dBm]	9.05
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	15
Freq. Start [MHz]	2479.000
Freq. Stop [MHz]	2481.000
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	0.827	MHz	Information
T1	2400.000000	--	2479.5864	MHz	PASS
T2	--	2483.500000	2480.4136	MHz	PASS

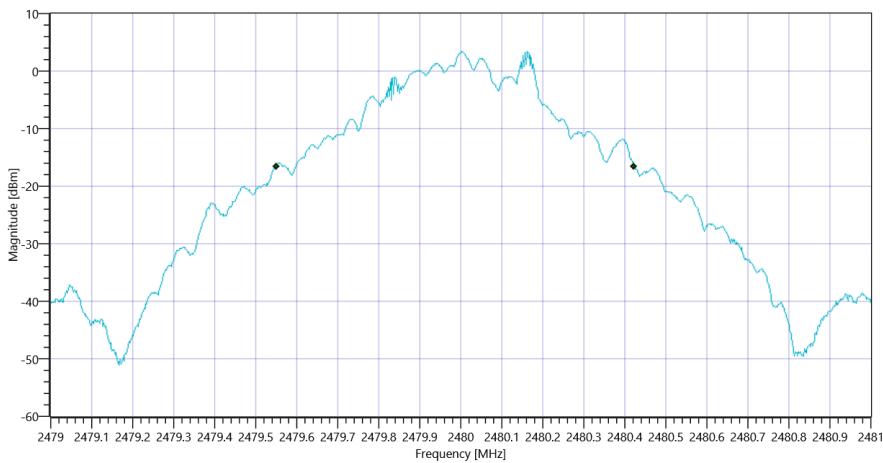


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT_06112018_095426.png

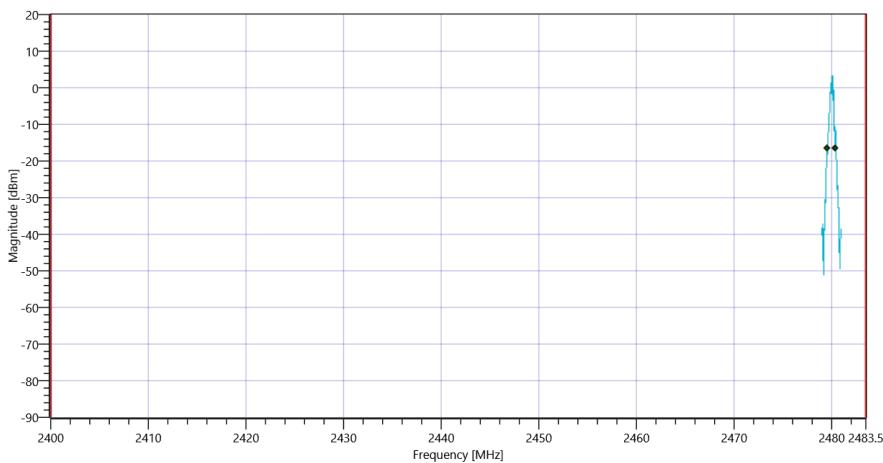


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095429.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	0.872	MHz	Information
T1 20dB	2400.000000	--	2479.5500	MHz	PASS
T2 20dB	--	2483.500000	2480.4220	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 20dB_06112018_095433.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate_06112018_095436.png

TEST FINISHED

General Verdict

06.11.2018 09:54:36 / RT: 93 s

PASS

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

Test References	
TC Start	06.11.2018 09:54:38
System Version	1.0.0.10
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

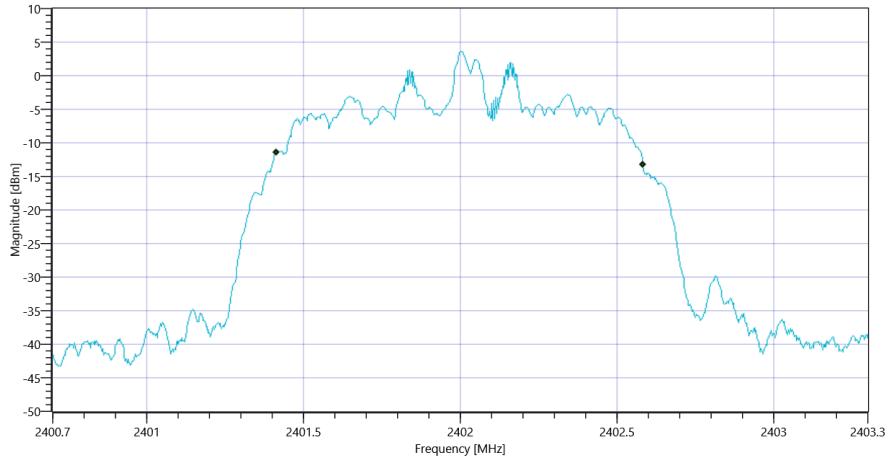
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

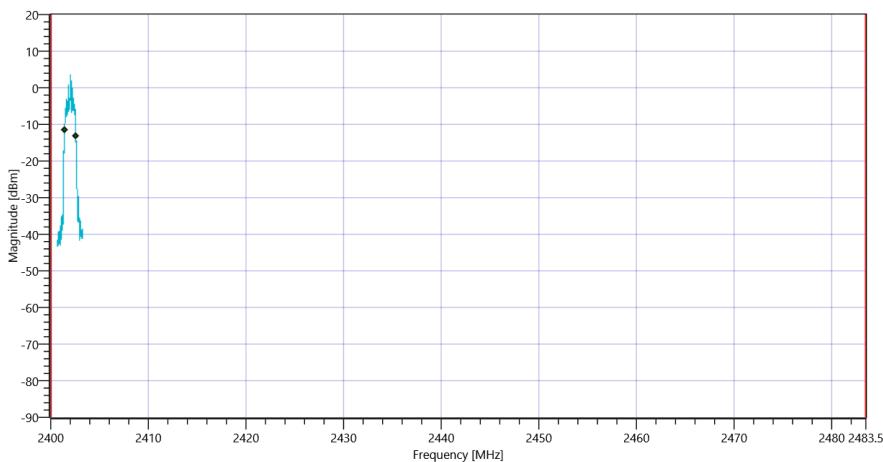
Ref. Level [dBm]	11.07
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2400.700
Freq. Stop [MHz]	2403.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.169	MHz	Information
T1	2400.000000	--	2401.4130	MHz	PASS
T2	--	2483.500000	2402.5818	MHz	PASS

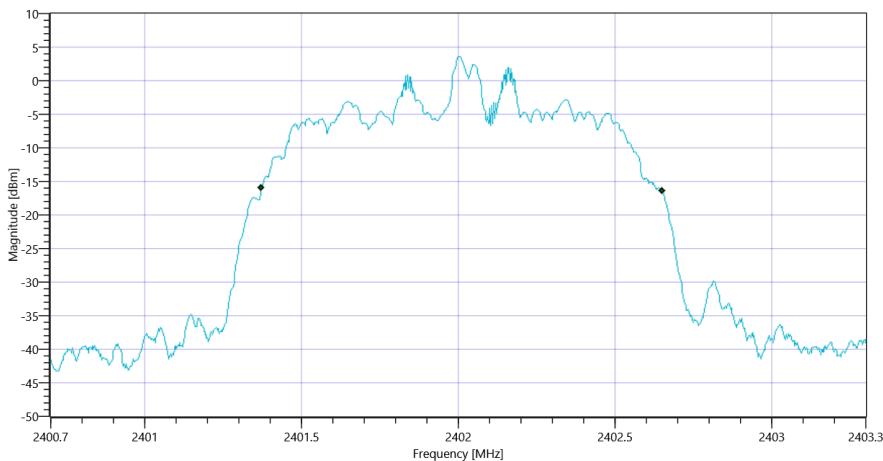


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT_06112018_095505.png

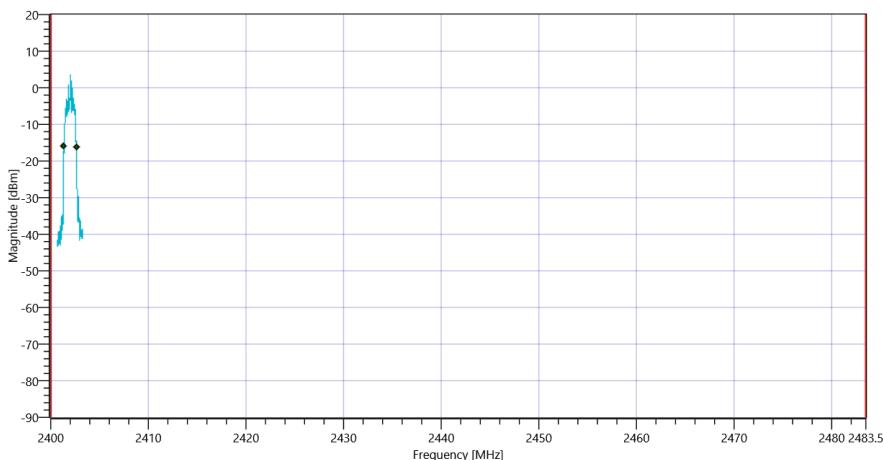


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095508.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.277	MHz	Information
T1 20dB	2400.000000	--	2401.3734	MHz	PASS
T2 20dB	--	2483.500000	2402.6500	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 20dB_06112018_095511.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095514.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

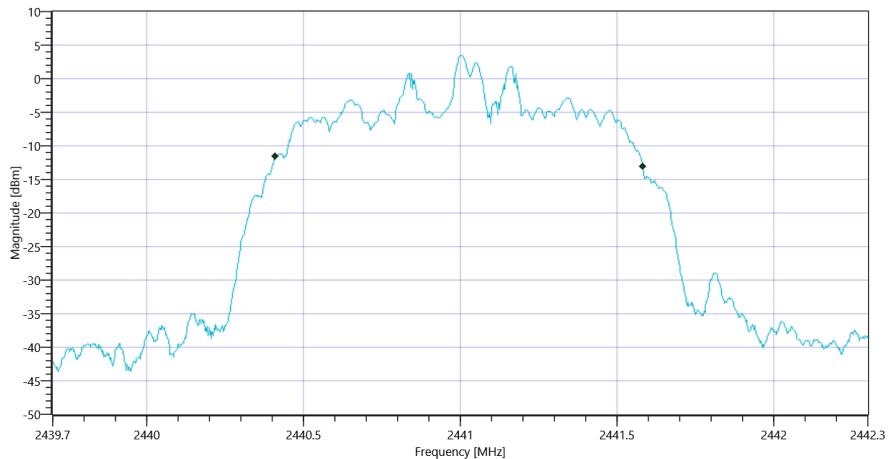
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

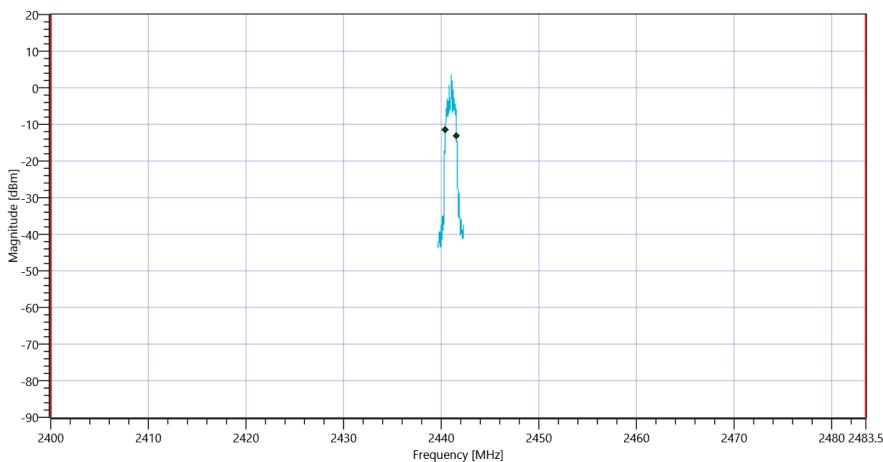
Ref. Level [dBm]	10.93
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2439.700
Freq. Stop [MHz]	2442.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.171	MHz	Information
T1	2400.000000	--	2440.4104	MHz	PASS
T2	--	2483.500000	2441.5818	MHz	PASS

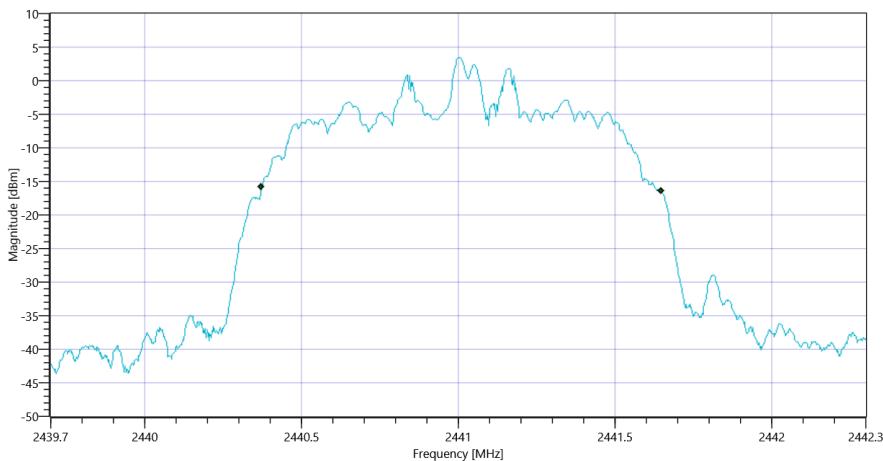


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT_06112018_095534.png

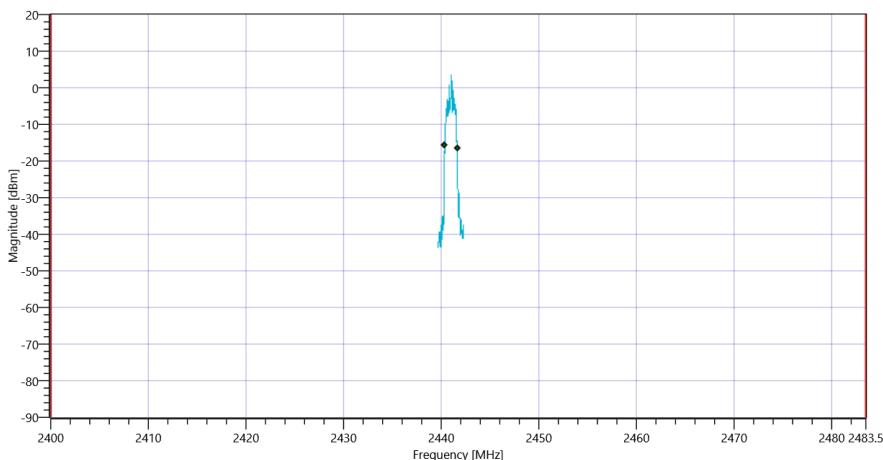


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095537.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.274	MHz	Information
T1 20dB	2400.000000	--	2440.3734	MHz	PASS
T2 20dB	--	2483.500000	2441.6474	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 20dB_06112018_095540.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095543.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

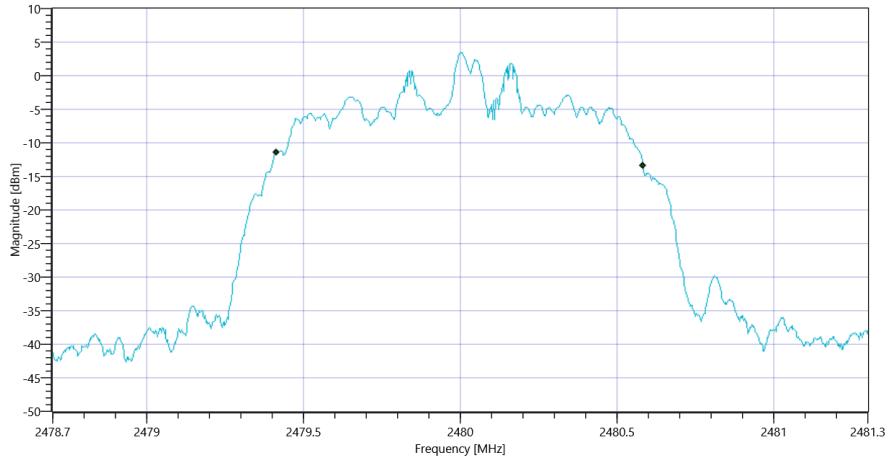
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

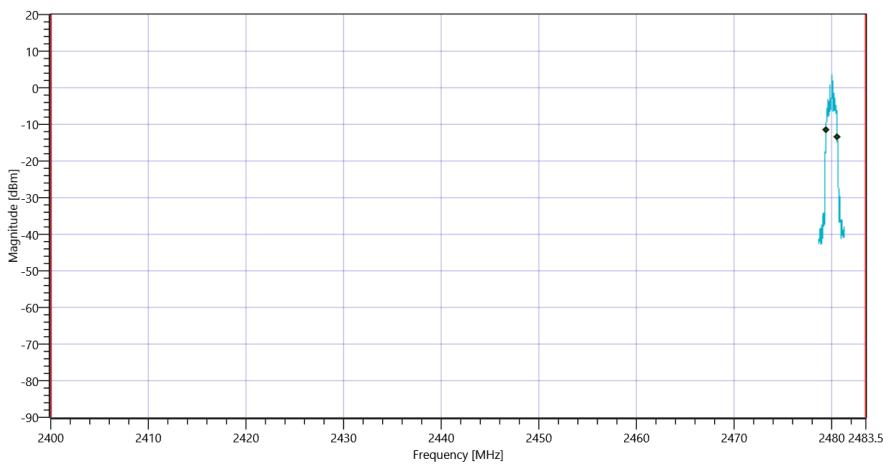
Ref. Level [dBm]	11.25
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	20
Freq. Start [MHz]	2478.700
Freq. Stop [MHz]	2481.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.169	MHz	Information
T1	2400.000000	--	2479.4130	MHz	PASS
T2	--	2483.500000	2480.5818	MHz	PASS

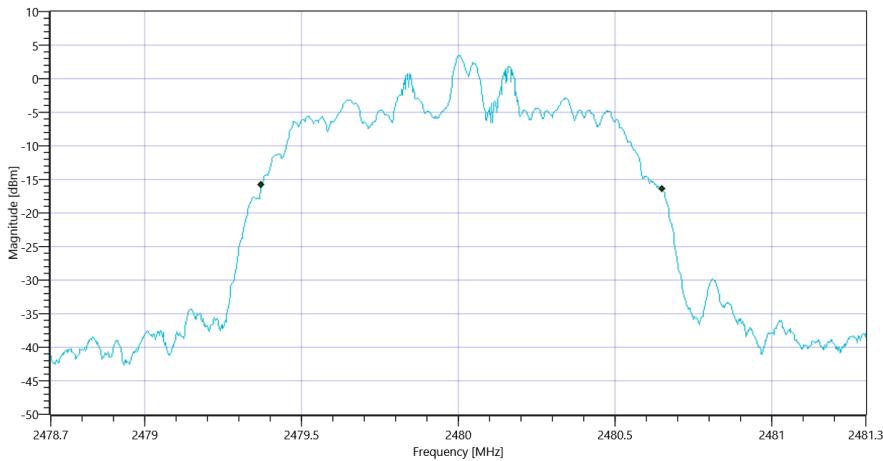


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT_06112018_095603.png

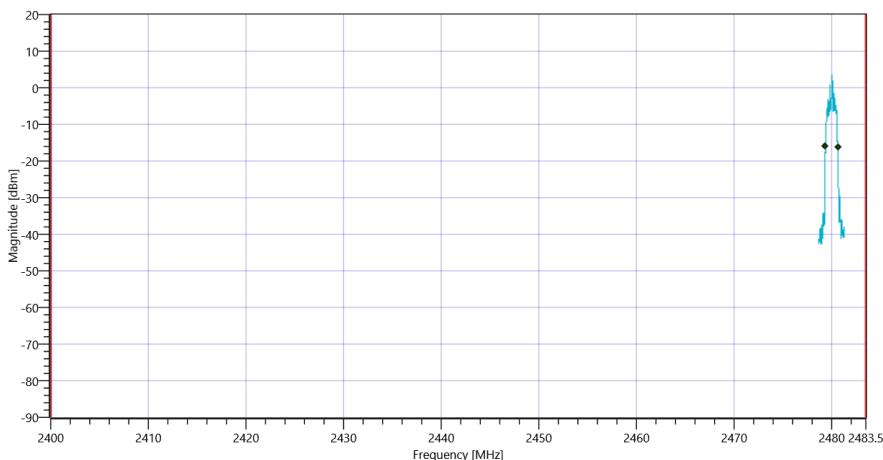


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095606.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.277	MHz	Information
T1 20dB	2400.000000	--	2479.3734	MHz	PASS
T2 20dB	--	2483.500000	2480.6500	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 20dB_06112018_095610.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK_06112018_095613.png

TEST FINISHED

General Verdict

06.11.2018 09:56:13 / RT: 95 s

PASS

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

Test References	
TC Start	06.11.2018 09:56:15
System Version	1.0.0.10
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 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
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

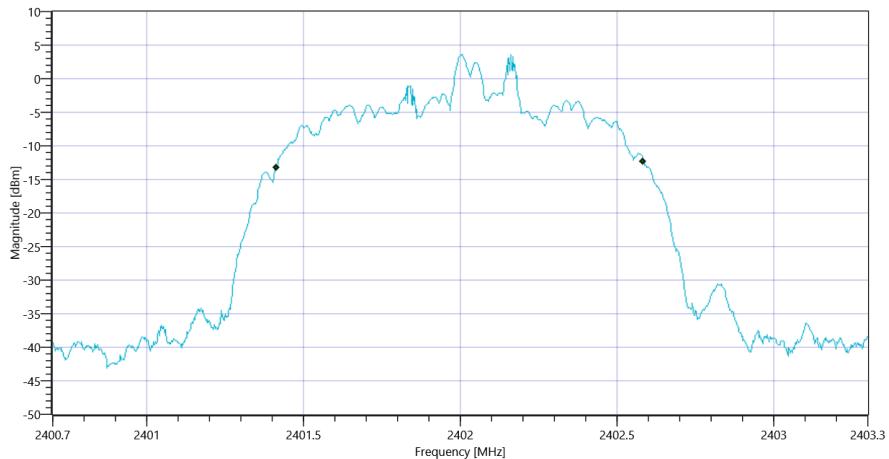
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

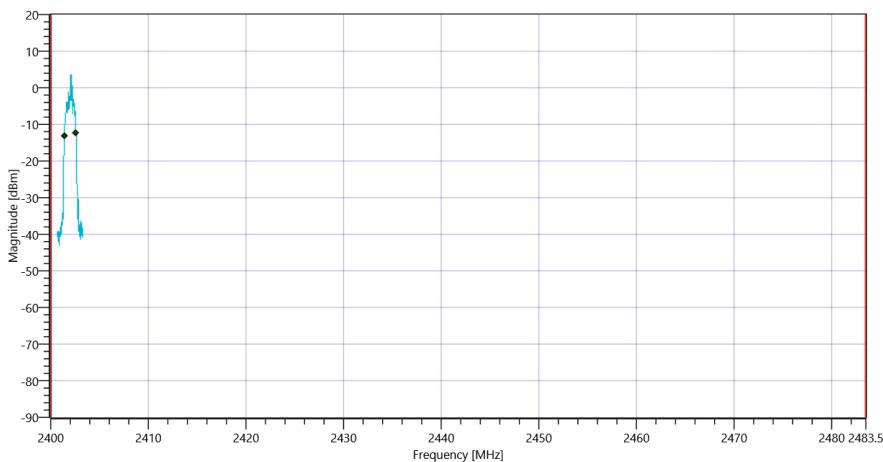
Ref. Level [dBm]	11.59
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2400.700
Freq. Stop [MHz]	2403.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.171	MHz	Information
T1	2400.000000	--	2401.4130	MHz	PASS
T2	--	2483.500000	2402.5844	MHz	PASS

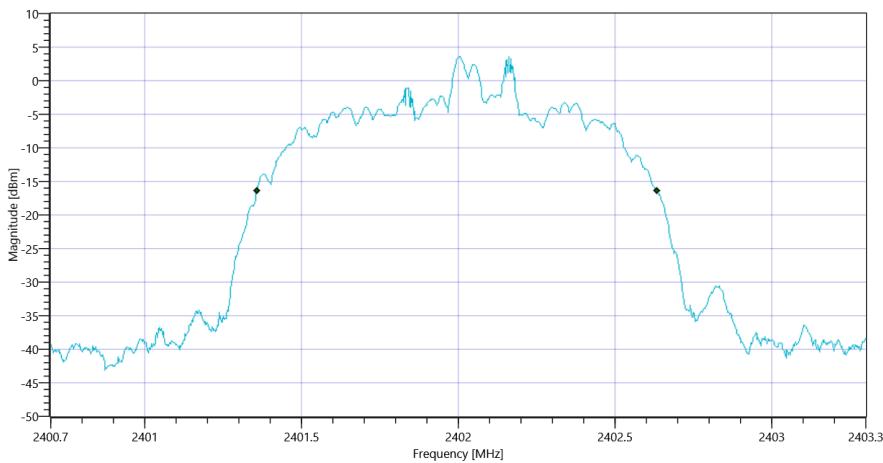


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT_06112018_095642.png

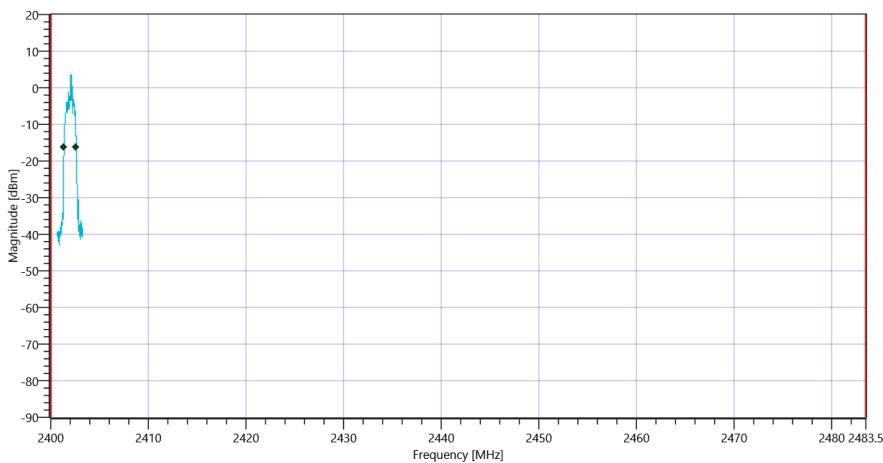


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095645.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.277	MHz	Information
T1 20dB	2400.000000	--	2401.3578	MHz	PASS
T2 20dB	--	2483.500000	2402.6344	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 20dB_06112018_095648.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095651.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

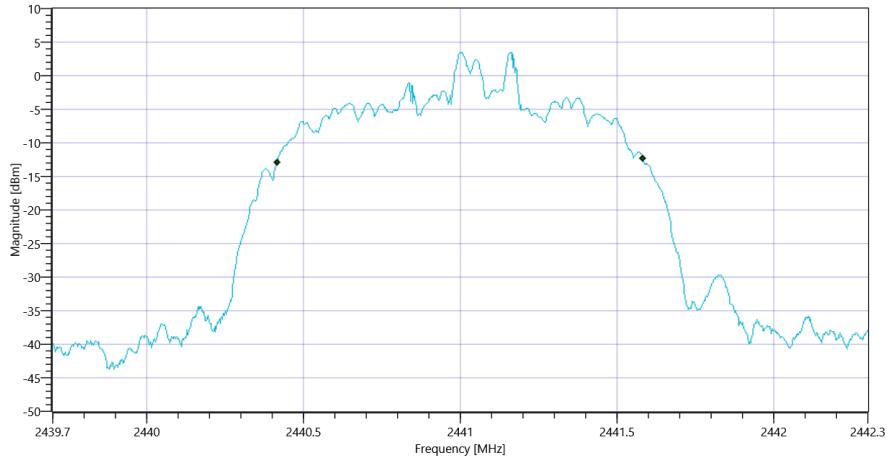
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

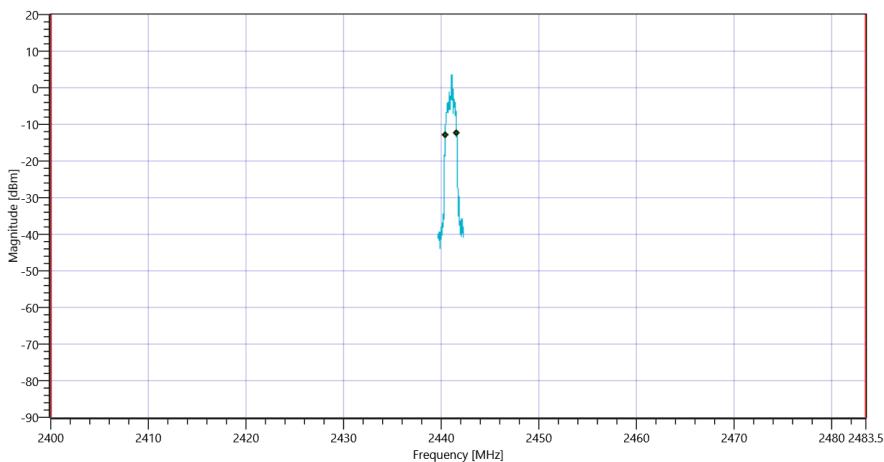
Ref. Level [dBm]	11.69
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2439.700
Freq. Stop [MHz]	2442.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.166	MHz	Information
T1	2400.000000	--	2440.4156	MHz	PASS
T2	--	2483.500000	2441.5818	MHz	PASS

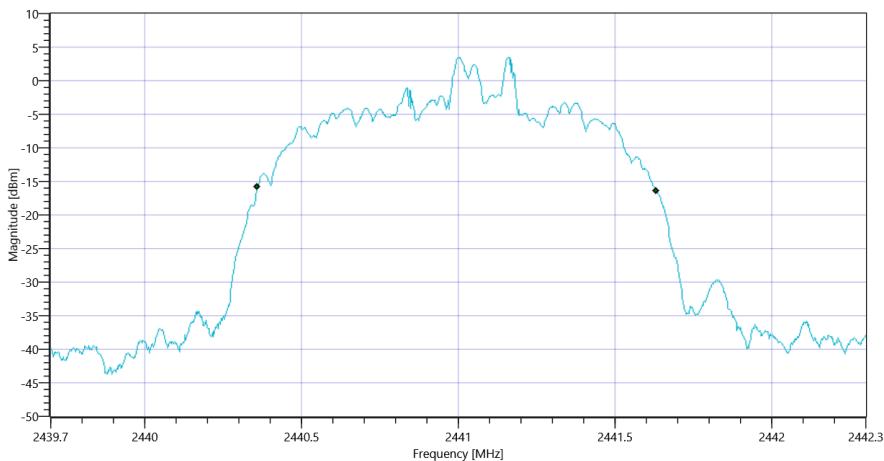


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT_06112018_095711.png

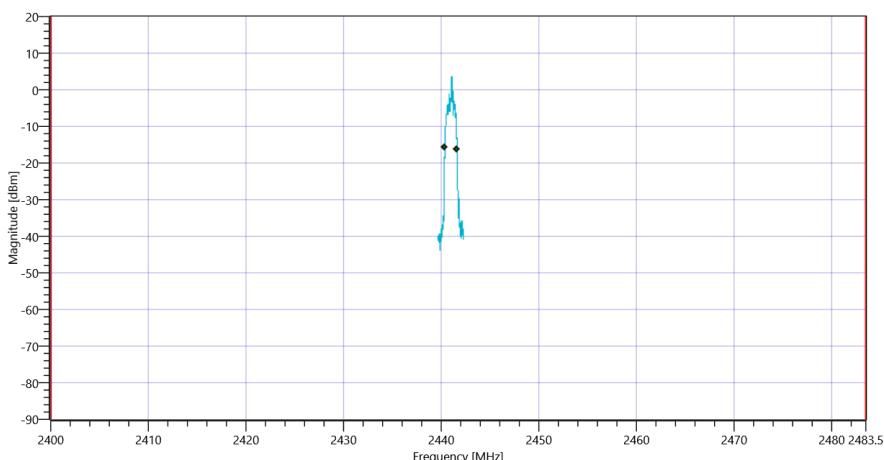


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095714.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.271	MHz	Information
T1 20dB	2400.000000	--	2440.3604	MHz	PASS
T2 20dB	--	2483.500000	2441.6318	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 20dB_06112018_095717.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095720.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

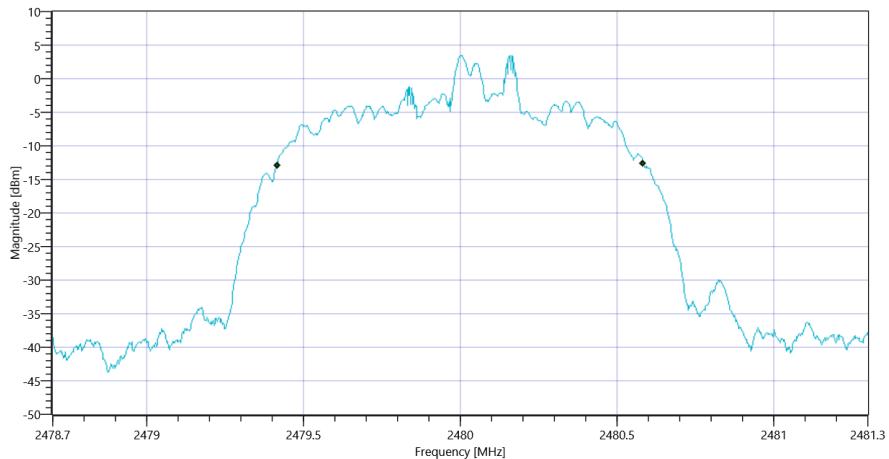
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

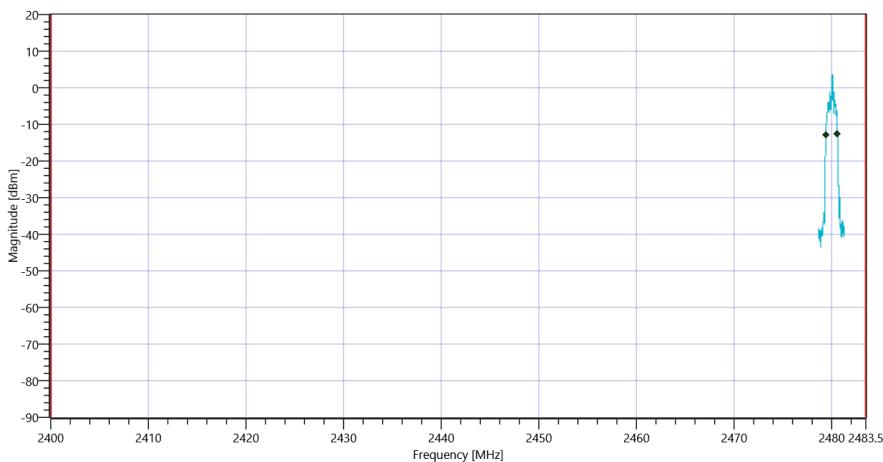
Ref. Level [dBm]	10.92
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	20
Freq. Start [MHz]	2478.700
Freq. Stop [MHz]	2481.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	1.169	MHz	Information
T1	2400.000000	--	2479.4156	MHz	PASS
T2	--	2483.500000	2480.5844	MHz	PASS

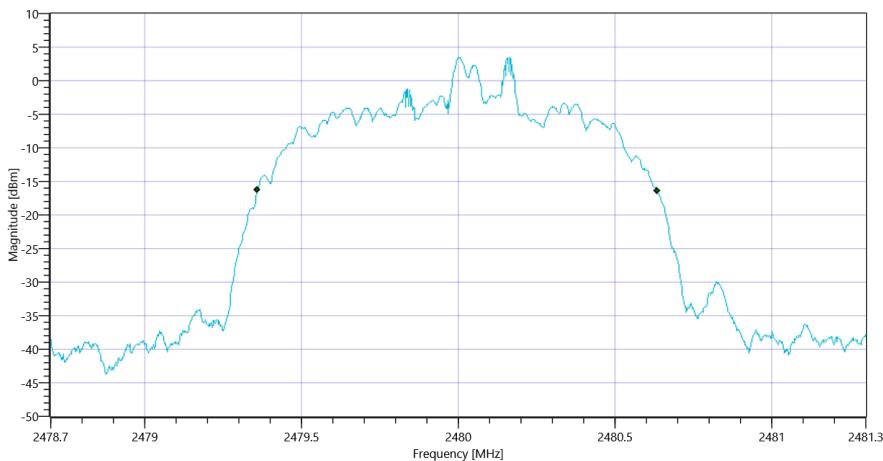


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT_06112018_095740.png

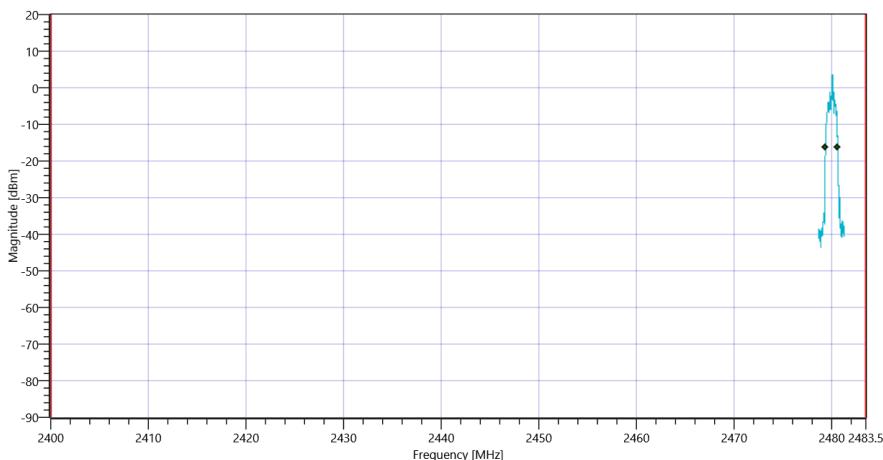


Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095743.png

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	--	--	1.274	MHz	Information
T1 20dB	2400.000000	--	2479.3604	MHz	PASS
T2 20dB	--	2483.500000	2480.6344	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 20dB_06112018_095747.png



Plot_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK_06112018_095750.png

TEST FINISHED

General Verdict

06.11.2018 09:57:50 / RT: 95 s

PASS

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

Test References	
TC Start	06.11.2018 10:46:46
System Version	1.0.0.10
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
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX hopping MHz

RESULT: BT Classic Connection check

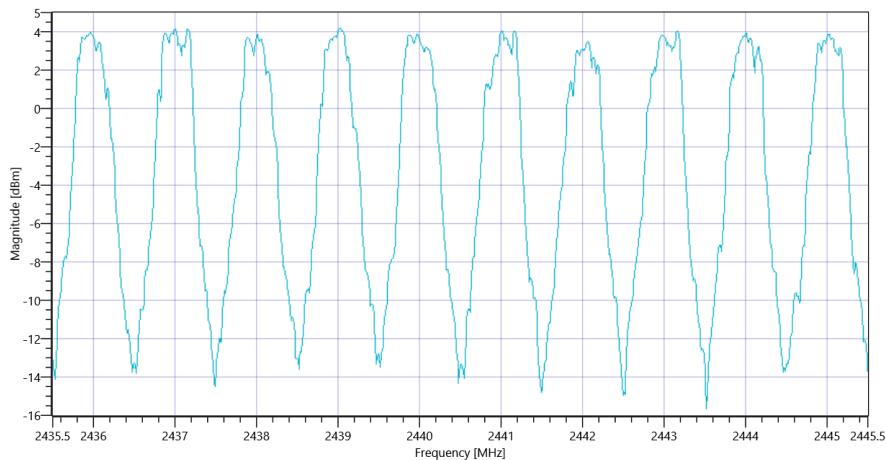
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	9.31
Ref. Lev. offs [dB]	9.94
Input Attenuation [dB]	15
Freq. Start [MHz]	2435.500
Freq. Stop [MHz]	2445.500
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	1
Sweep Points/Section	1001
Sweep Count	10000
Sweep Mode	MAXH
Used Sweep Type	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_06112018_104748.png

TEST FINISHED

General Verdict

06.11.2018 10:47:49 / RT: 63 s

PASS

12. FCC Part 15.247 Carrier Frequency Separation FHSS BT Classic EDR Pi/4DQPSK

Test References

TC Start	06.11.2018 12:11:43
System Version	1.0.0.10
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 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	False Freq [MHz] 2480
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX hopping MHz

RESULT: BT Classic Connection check

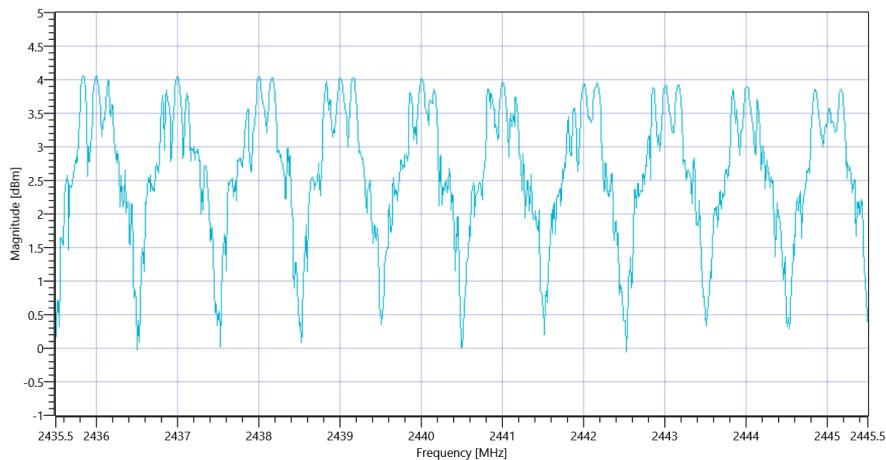
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	10.96
Ref. Lev. offs [dB]	9.94
Input Attenuation [dB]	20
Freq. Start [MHz]	2435.500
Freq. Stop [MHz]	2445.500
Resolution BW. [MHz]	0.200000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	1
Sweep Points/Section	1001
Sweep Count	32000
Sweep Mode	MAXH
Used Sweep Type	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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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 EDR Pi-4DQPSK_06112018_121431.png

TEST FINISHED

General Verdict

06.11.2018 12:14:31 / RT: 167 s

PASS

13. FCC Part 15.247 Carrier Frequency Separation FHSS BT Classic EDR 8DPSK

Test References	
TC Start	06.11.2018 12:14:45
System Version	1.0.0.10
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 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	False Freq [MHz] 2480
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX hopping MHz

RESULT: BT Classic Connection check

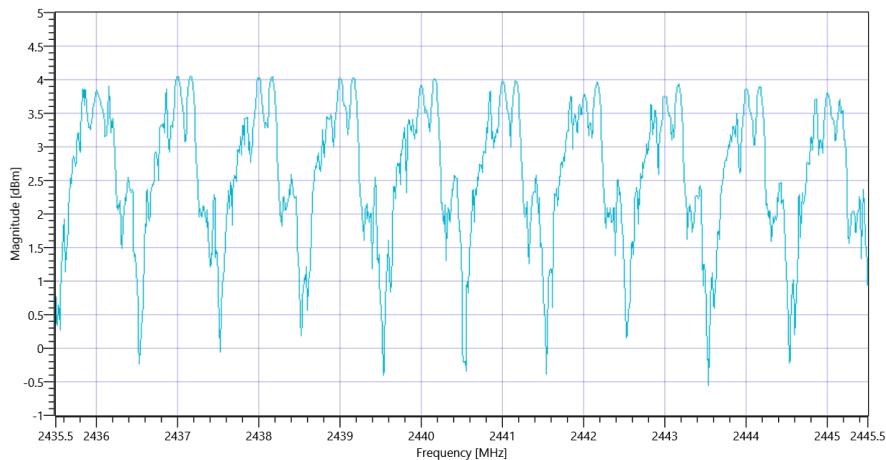
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	11.21
Ref. Lev. offs [dB]	9.94
Input Attenuation [dB]	20
Freq. Start [MHz]	2435.500
Freq. Stop [MHz]	2445.500
Resolution BW. [MHz]	0.200000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	1
Sweep Points/Section	1001
Sweep Count	32000
Sweep Mode	MAXH
Used Sweep Type	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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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)	0.867 (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 EDR 8DPSK_06112018_121733.png

TEST FINISHED

General Verdict

06.11.2018 12:17:33 / RT: 168 s

PASS

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

Test References	
TC Start	06.11.2018 10:59:19
System Version	1.0.0.10
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	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

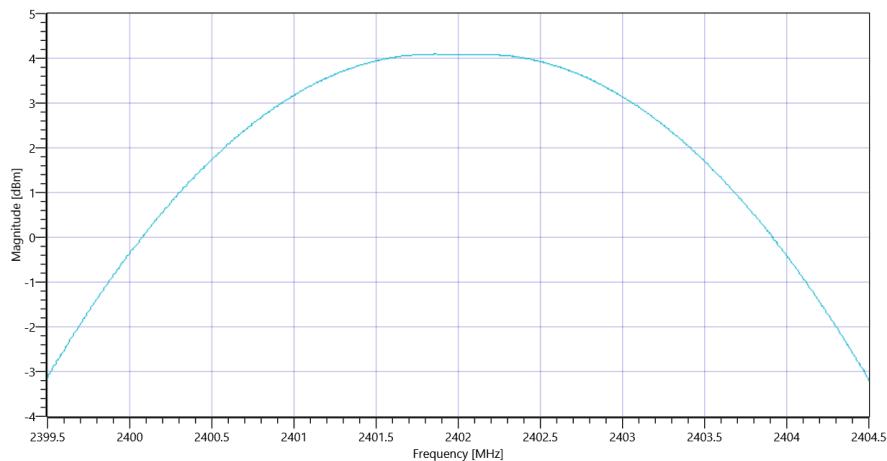
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	14.21
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2399.500
Freq. Stop [MHz]	2404.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	4.1	dBm	Information
Peak Power	--	1000	2.570396	mW	Information
Frequency at Peak	--	--	2401.865	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic Basic rate_06112018_105944.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

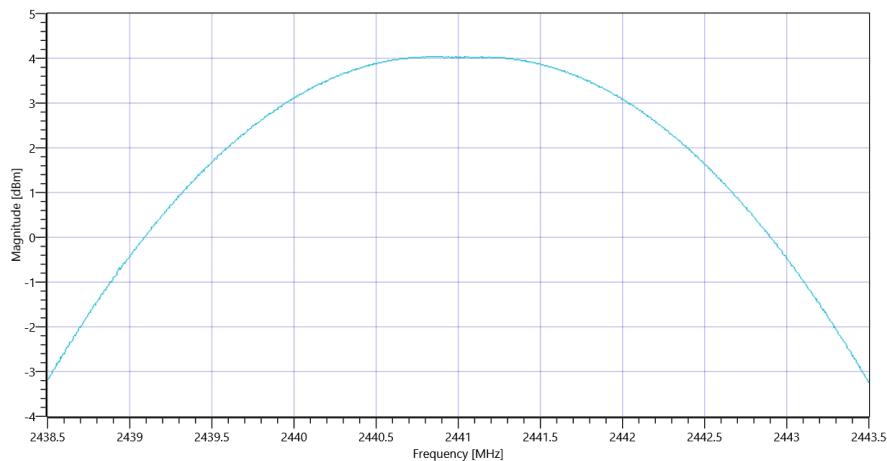
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	14.15
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2438.500
Freq. Stop [MHz]	2443.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	4.04	dBm	Information
Peak Power	--	1000	2.535129	mW	Information
Frequency at Peak	--	--	2440.805	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic Basic rate_06112018_110004.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

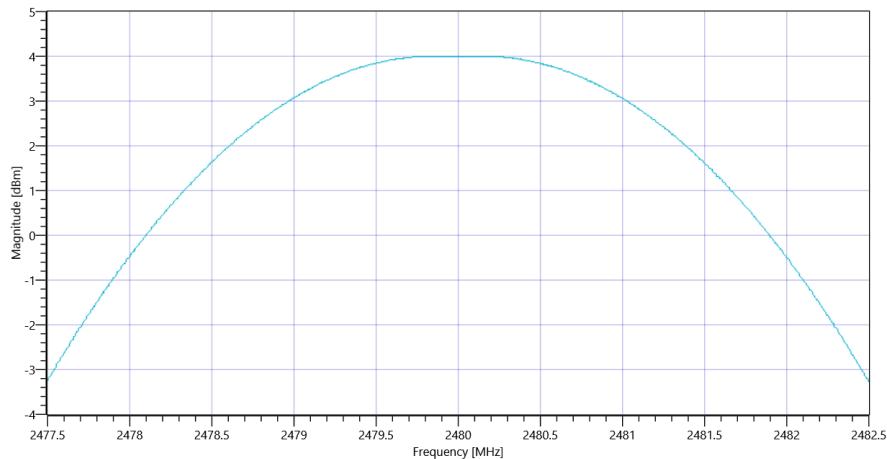
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	13.99
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	20
Freq. Start [MHz]	2477.500
Freq. Stop [MHz]	2482.500
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	4	dBm	Information
Peak Power	--	1000	2.511886	mW	Information
Frequency at Peak	--	--	2480.125	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic Basic rate_06112018_110023.png

TEST FINISHED

General Verdict

06.11.2018 11:00:23 / RT: 63 s

PASS

15. Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR Pi/4DQPSK

Test References	
TC Start	06.11.2018 11:00:25
System Version	1.0.0.10
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 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
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

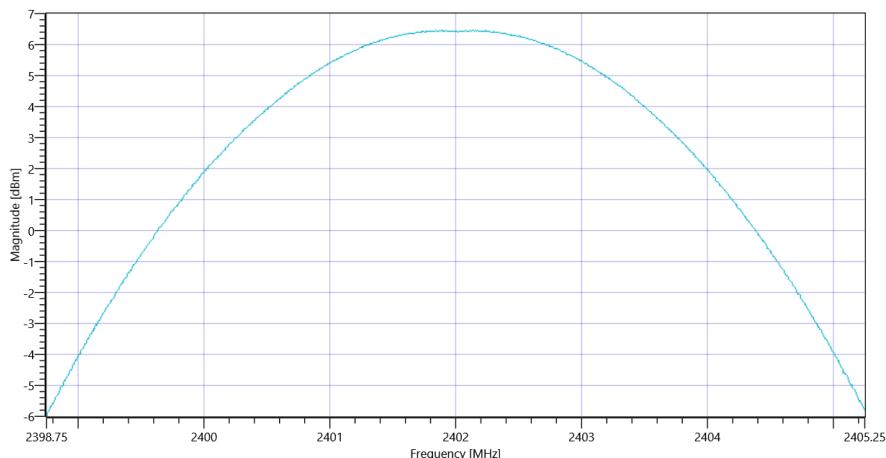
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.13
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	25
Freq. Start [MHz]	2398.750
Freq. Stop [MHz]	2405.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	6.45	dBm	Information
Peak Power	--	1000	4.415704	mW	Information
Frequency at Peak	--	--	2402.156	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR Pi-4DQPSK_06112018_110053.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

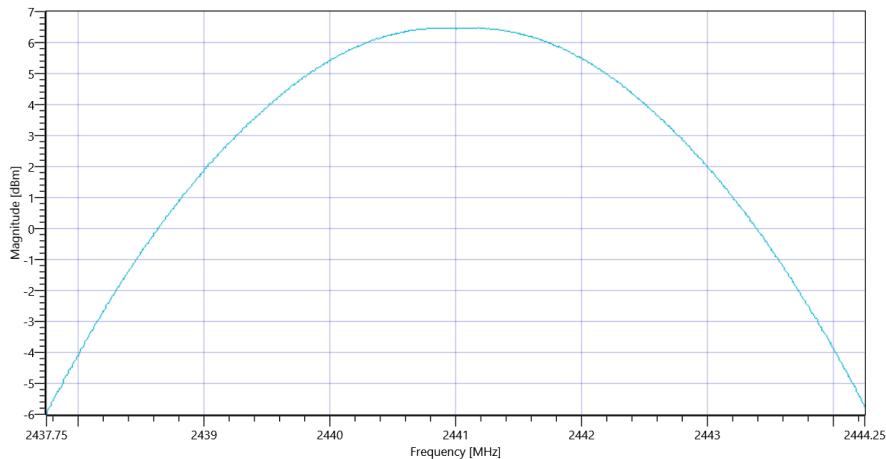
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	15.97
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	25
Freq. Start [MHz]	2437.750
Freq. Stop [MHz]	2444.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	6.48	dBm	Information
Peak Power	--	1000	4.446313	mW	Information
Frequency at Peak	--	--	2441.182	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR Pi-4DQPSK_06112018_110112.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

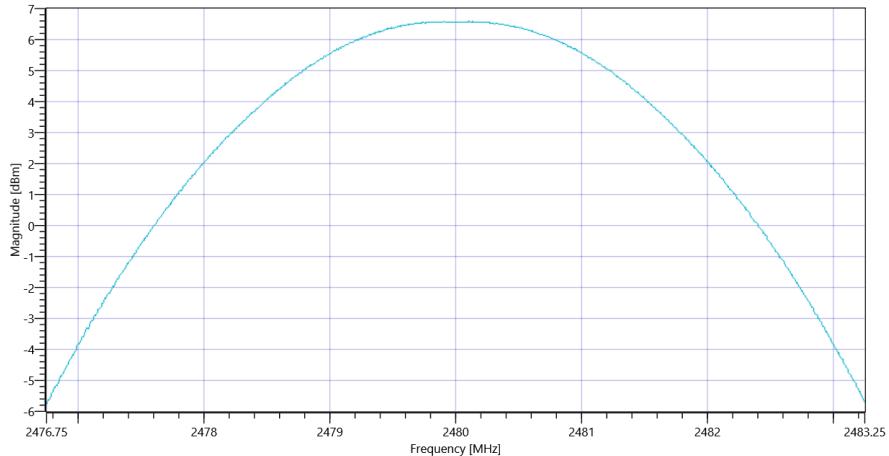
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	15.97
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	25
Freq. Start [MHz]	2476.750
Freq. Stop [MHz]	2483.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	6.58	dBm	Information
Peak Power	--	1000	4.549881	mW	Information
Frequency at Peak	--	--	2480.13	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR Pi-4DQPSK_06112018_110132.png

TEST FINISHED

General Verdict

06.11.2018 11:01:32 / RT: 67 s

PASS

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

Test References	
TC Start	06.11.2018 11:01:34
System Version	1.0.0.10
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 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
Pattern	PRBS9
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.40

Test at TX 2402 MHz

RESULT: BT Classic Connection check

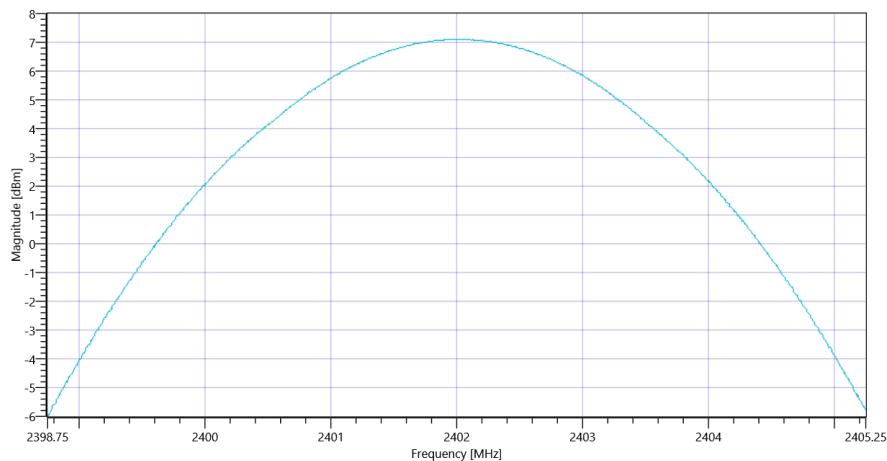
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.28
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	25
Freq. Start [MHz]	2398.750
Freq. Stop [MHz]	2405.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	7.1	dBm	Information
Peak Power	--	1000	5.128614	mW	Information
Frequency at Peak	--	--	2401.942	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR 8DPSK_06112018_110202.png

Test at TX 2441 MHz

RESULT: BT Classic Connection check

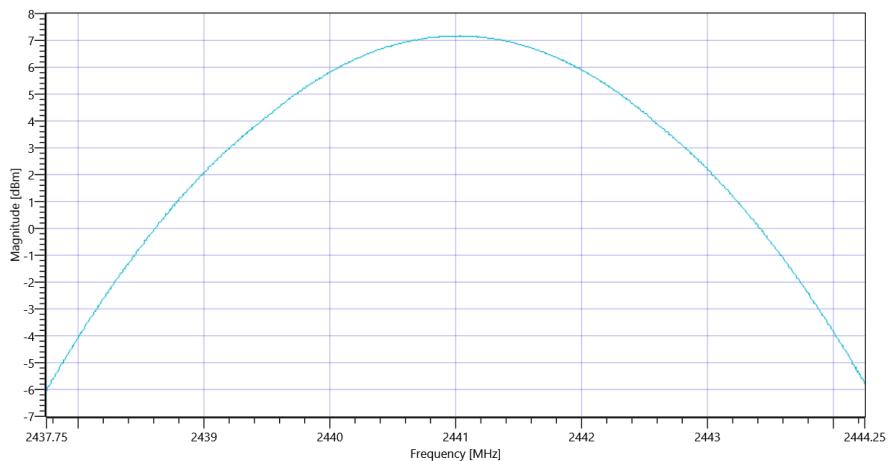
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	15.93
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	25
Freq. Start [MHz]	2437.750
Freq. Stop [MHz]	2444.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	7.17	dBm	Information
Peak Power	--	1000	5.211947	mW	Information
Frequency at Peak	--	--	2441.032	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR 8DPSK_06112018_110221.png

Test at TX 2480 MHz

RESULT: BT Classic Connection check

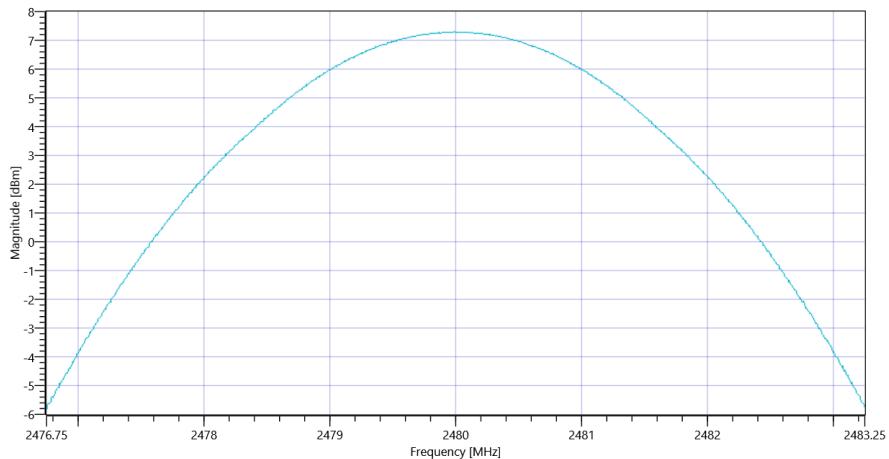
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	--	--	--	--	TCON

READ SA SETTINGS:

Ref. Level [dBm]	16.77
Ref. Lev. offs [dB]	9.96
Input Attenuation [dB]	25
Freq. Start [MHz]	2476.750
Freq. Stop [MHz]	2483.250
Resolution BW. [MHz]	3.000000
Video BW. [MHz]	3.000000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	30.00	7.3	dBm	Information
Peak Power	--	1000	5.370318	mW	Information
Frequency at Peak	--	--	2479.987	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz BT Classic EDR 8DPSK_06112018_110241.png

TEST FINISHED

General Verdict

06.11.2018 11:02:41 / RT: 67 s

PASS