

# Measurement Results

1-6730/18-01-03\_log conducted

[Test logging](#)

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## 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

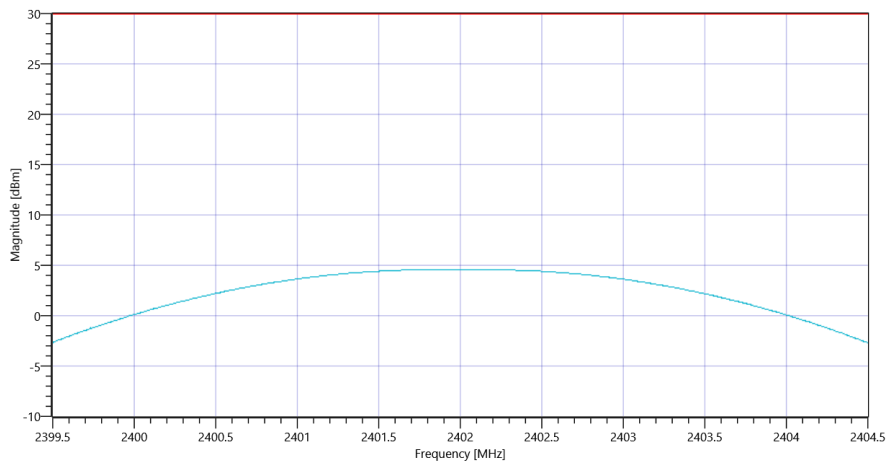
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

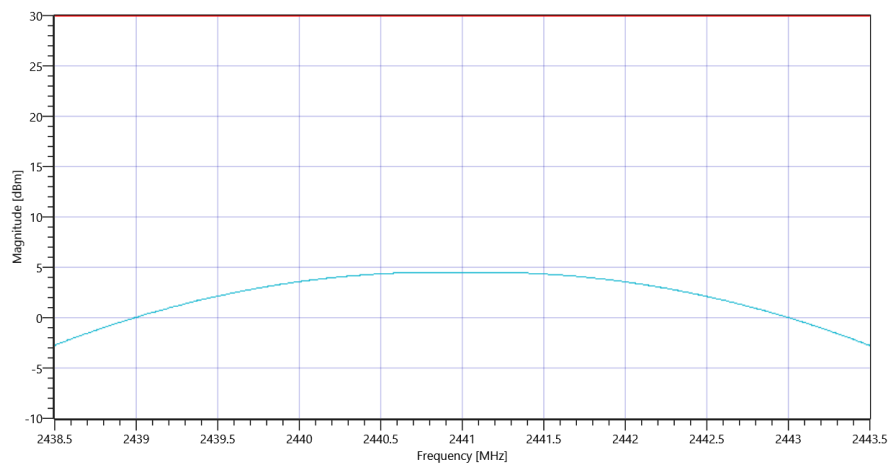
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

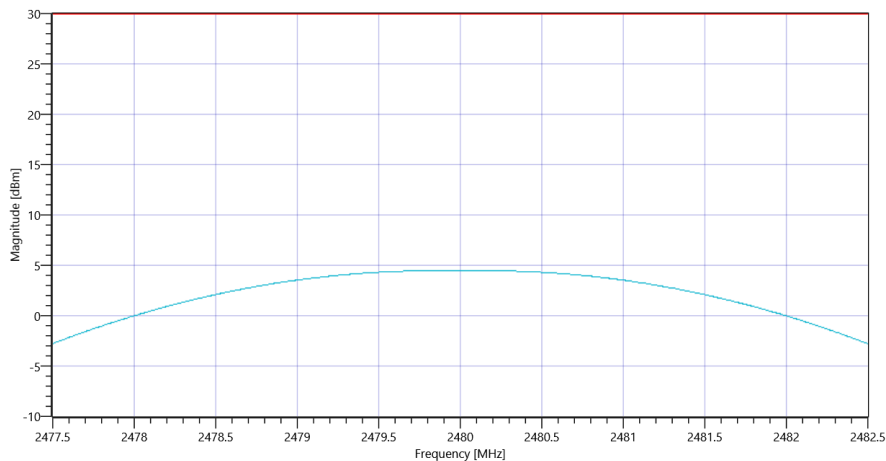
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

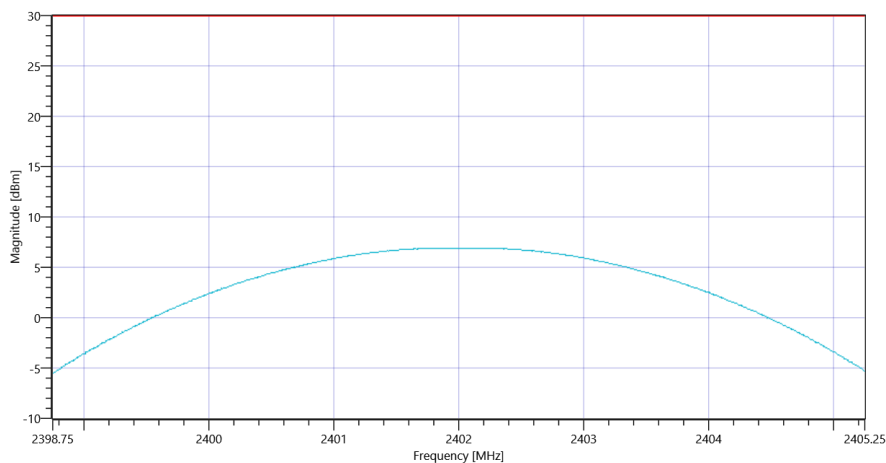
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

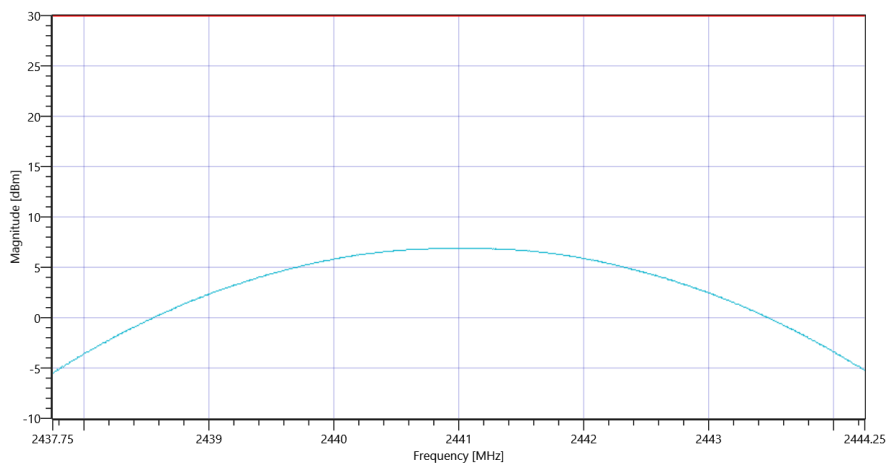
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

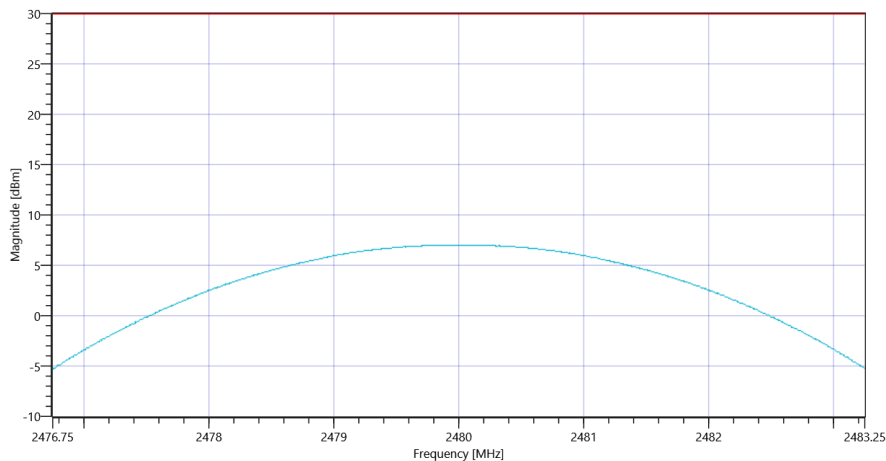
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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



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

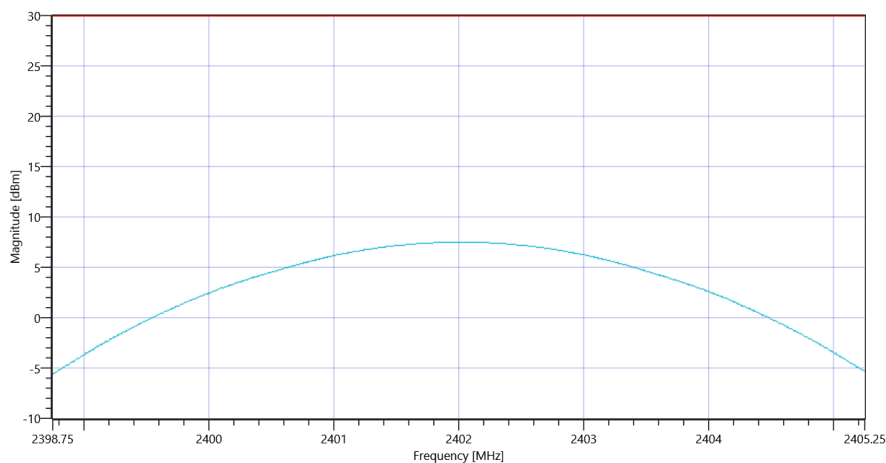
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

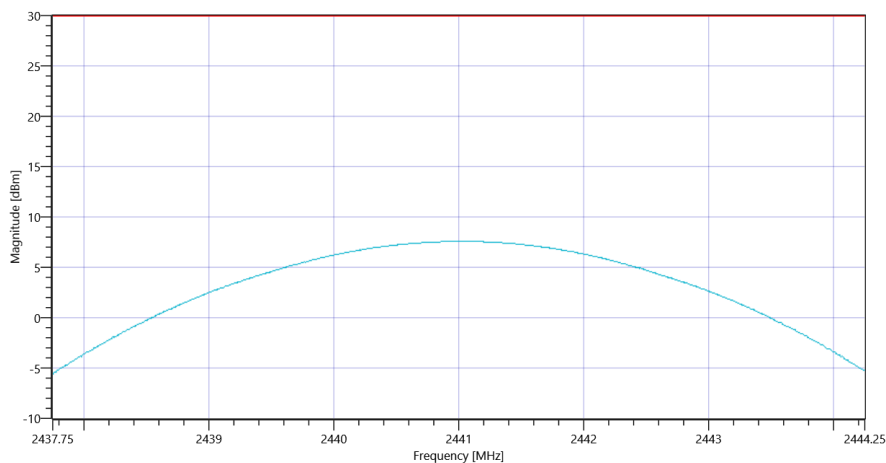
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

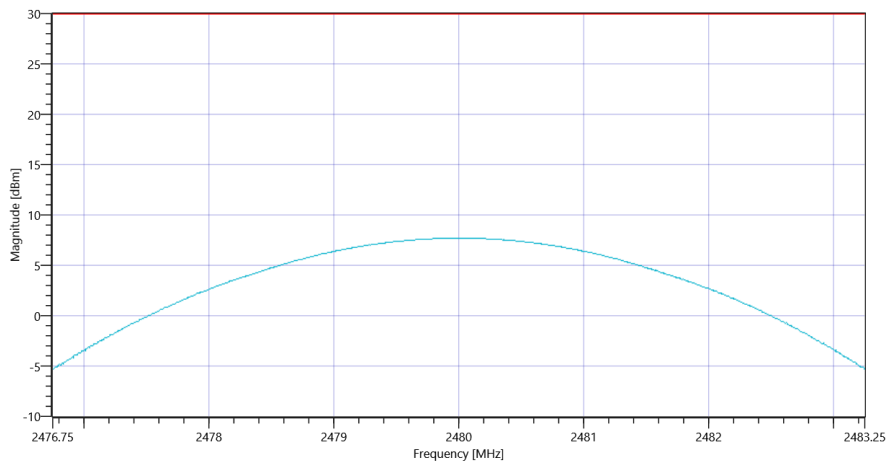
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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



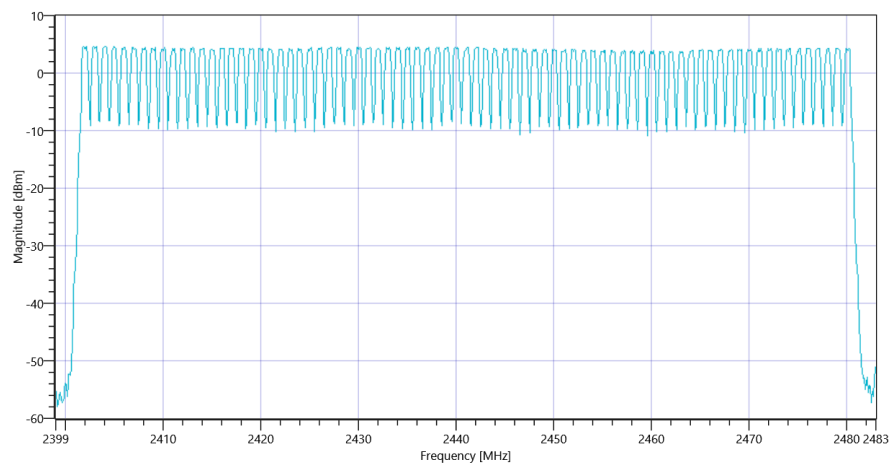
## Test at TX hopping MHz

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

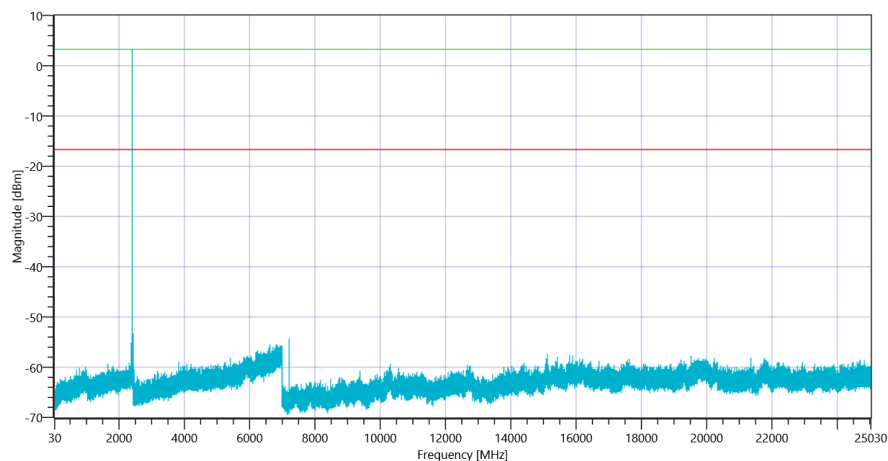
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

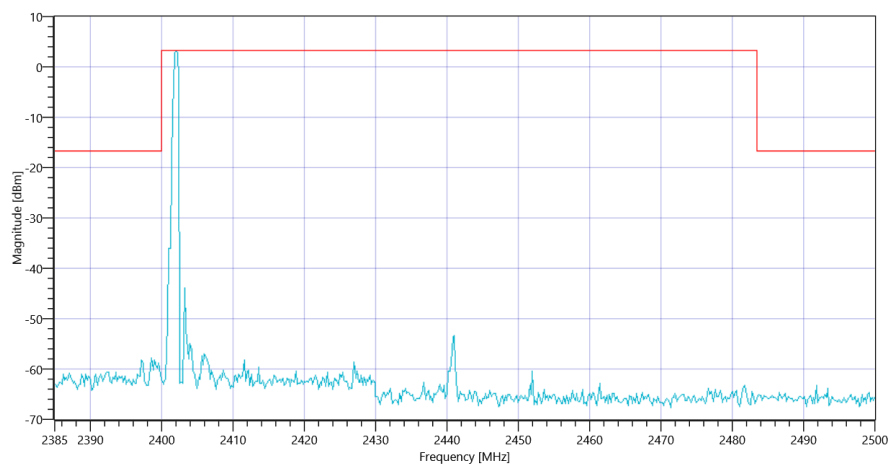
Ref. Level [dBm]	9.50
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

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

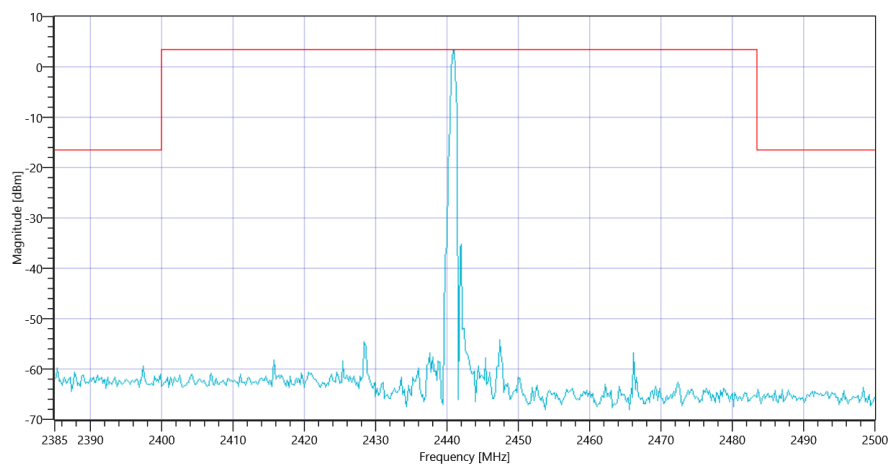
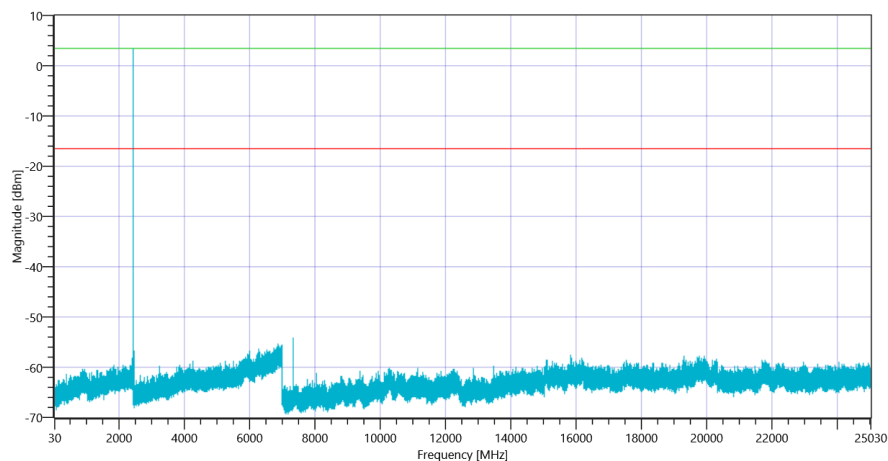
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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



## Test at TX 2480 MHz

RESULT: BT Classic Connection check

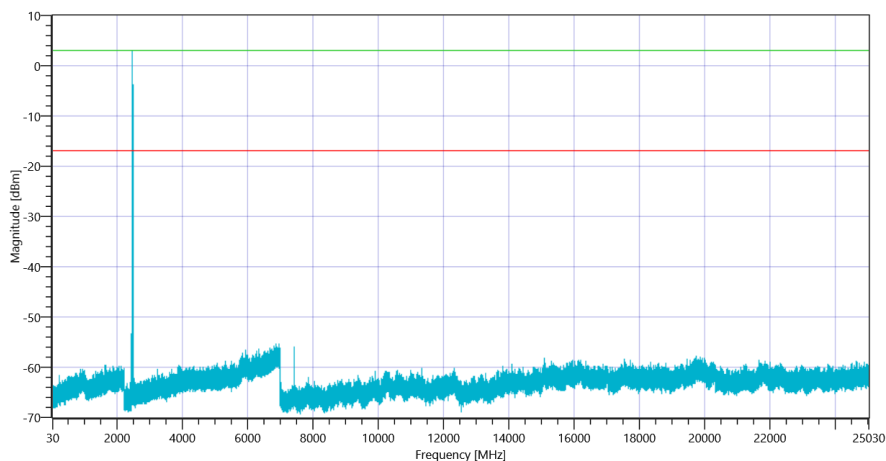
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

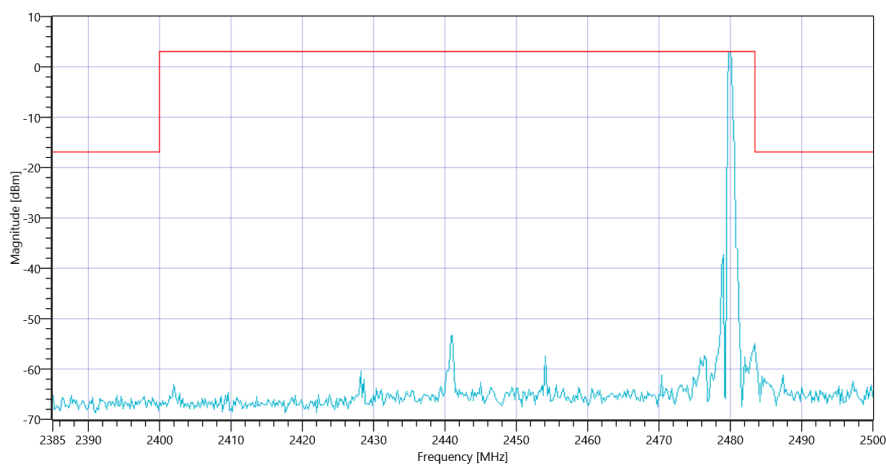
Ref. Level [dBm]	9.15
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

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

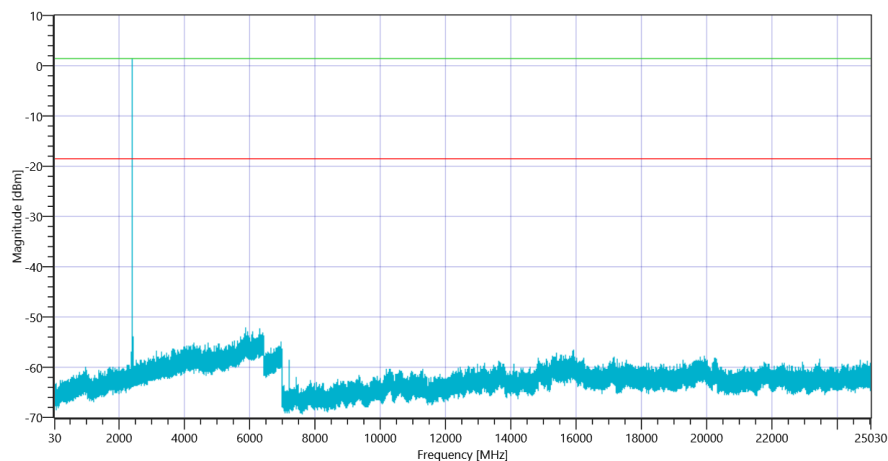
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

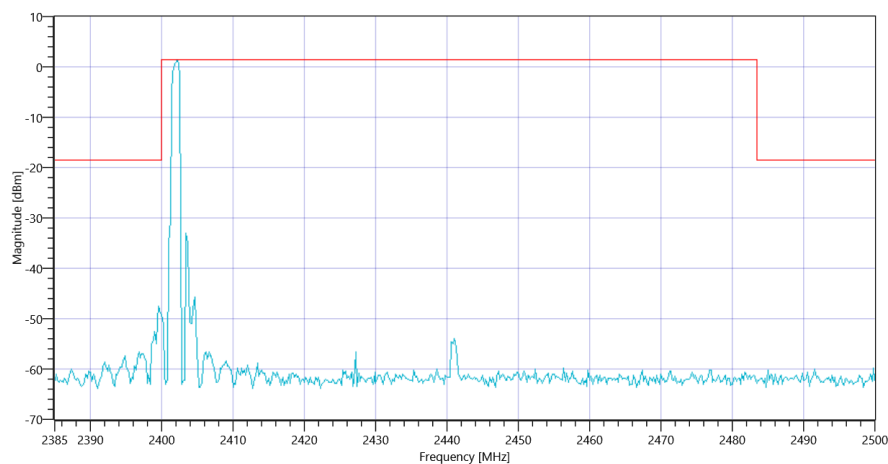
Ref. Level [dBm]	11.05
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

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

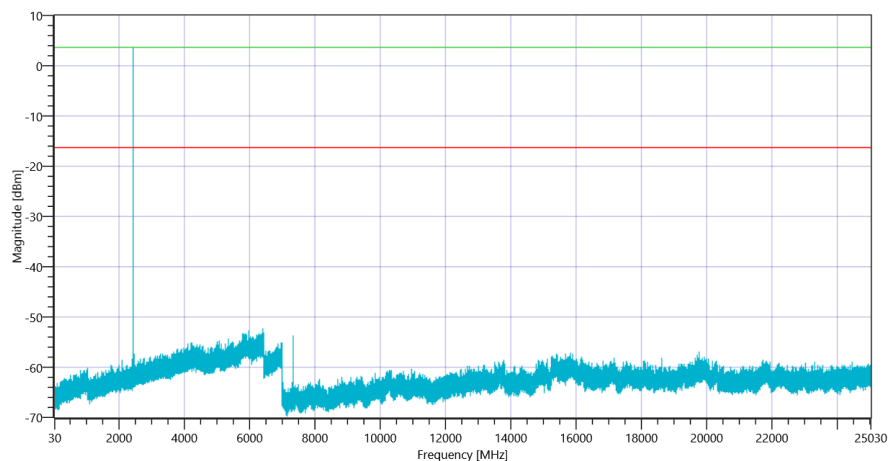
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

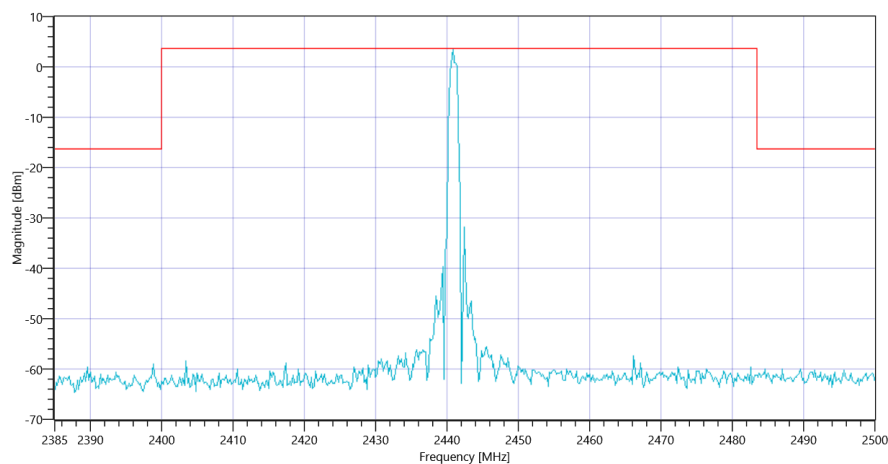
Ref. Level [dBm]	11.12
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

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

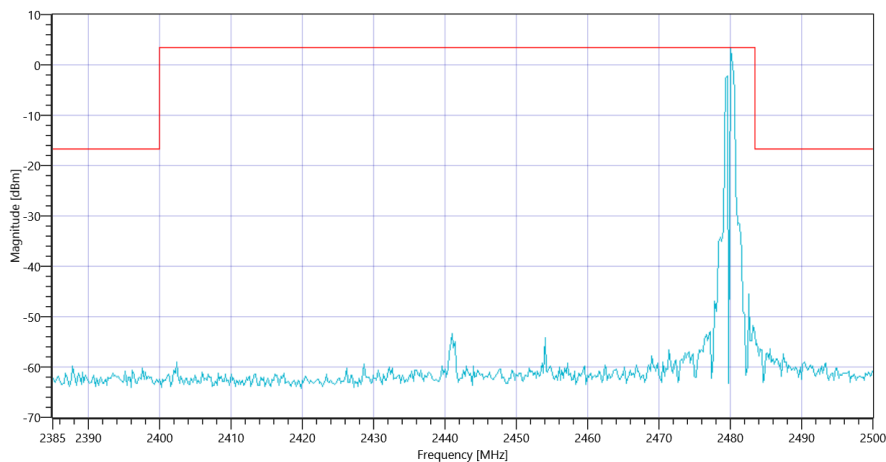
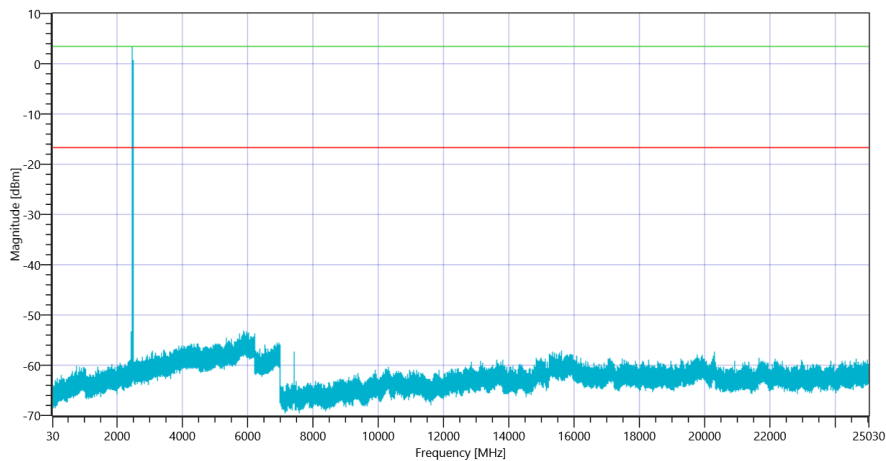
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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



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

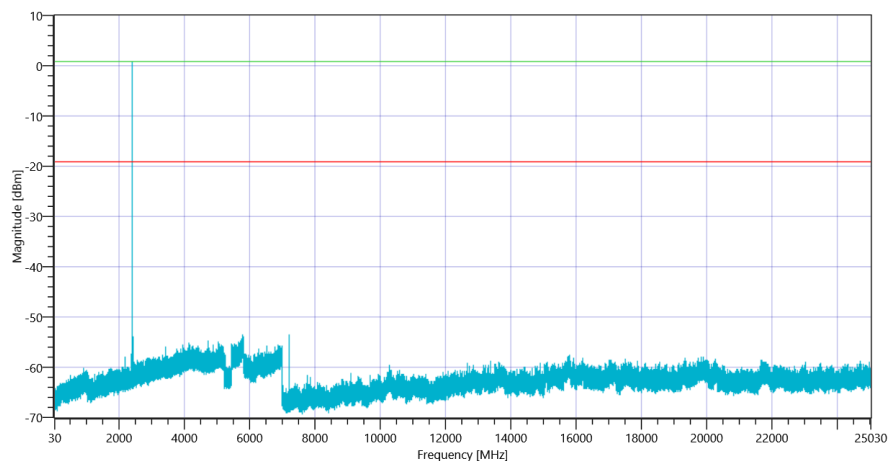
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

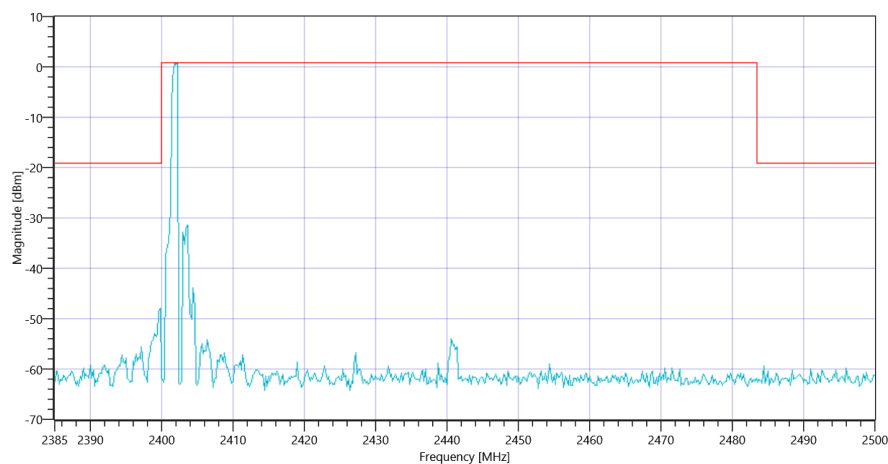
Ref. Level [dBm]	10.77
Resolution BW. [MHz]	0.100000
Video BW. [MHz]	0.300000
Detector	POS
Sweep Time [ms]	500
Sweep Points/Section	1001
Sweep Count	3
Sweep Mode	MAXH
Used Sweep Type	SWE

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

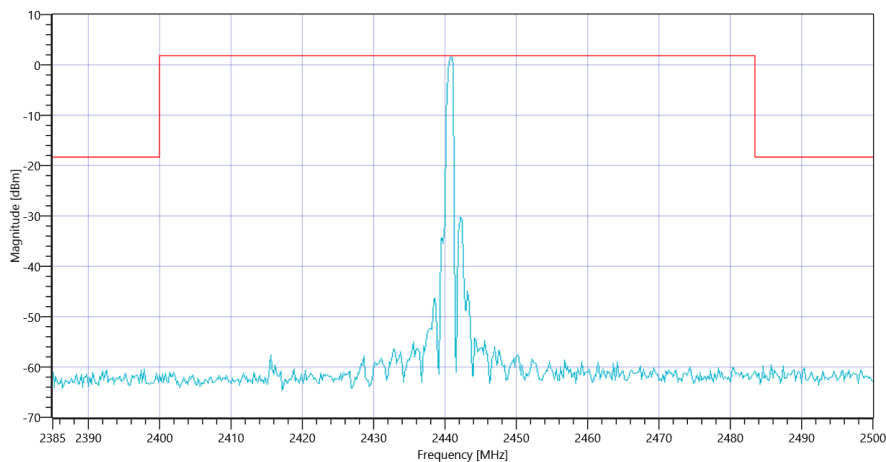
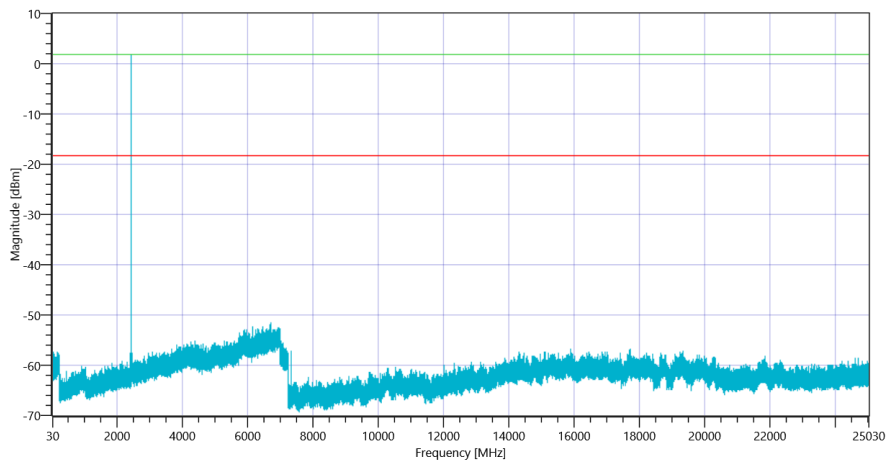
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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





## Test at TX 2480 MHz

RESULT: BT Classic Connection check

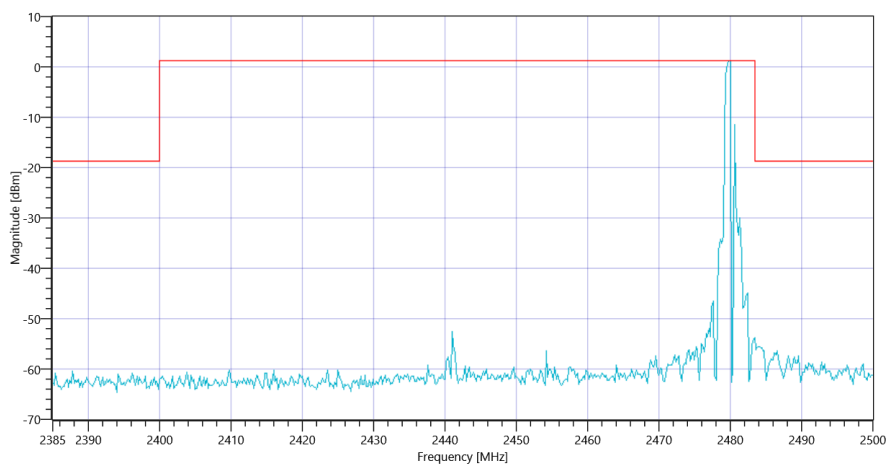
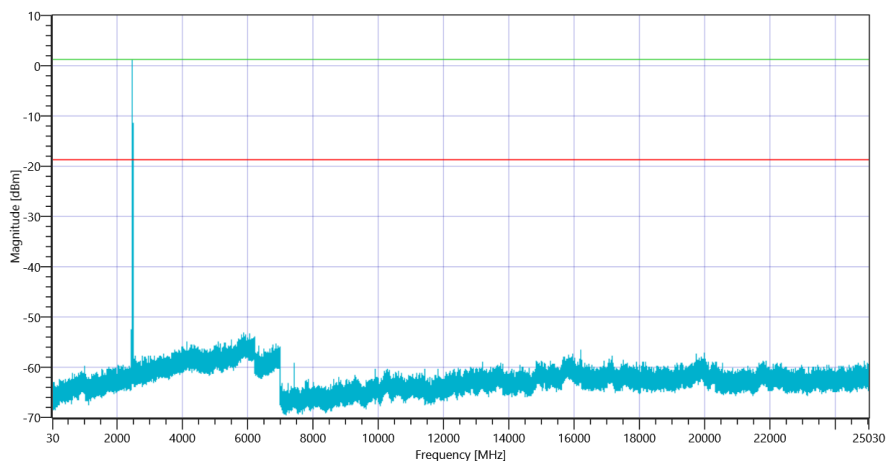
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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



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

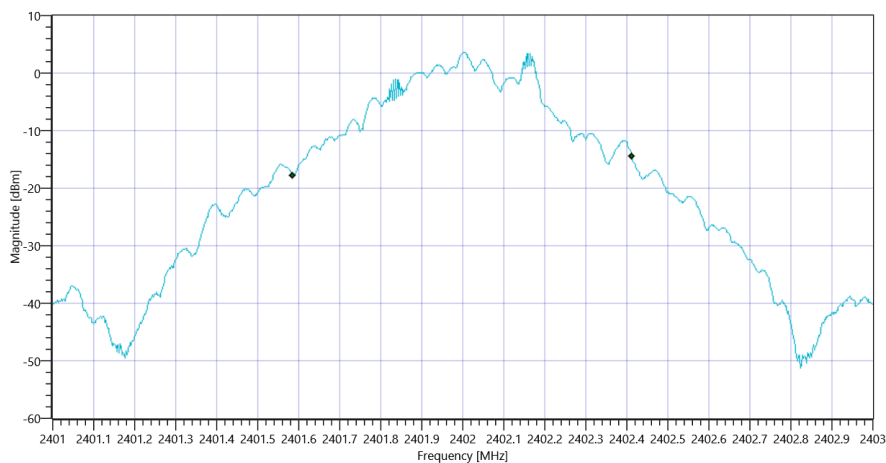
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### READ SA SETTINGS:

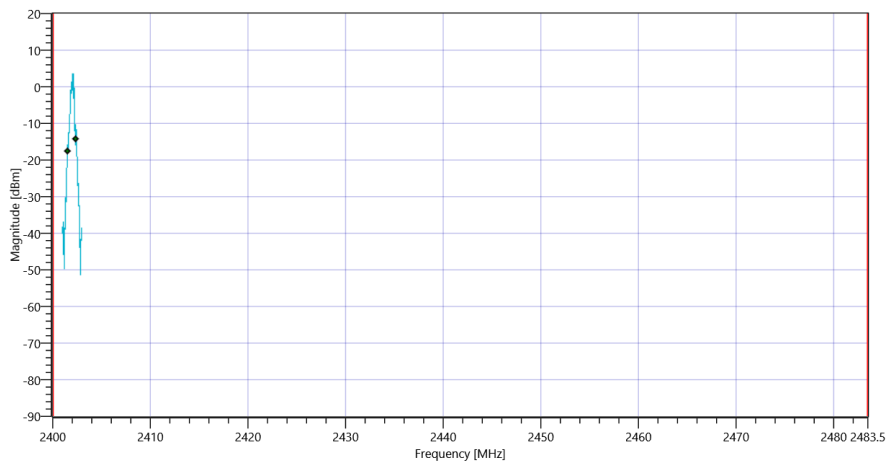
Ref. Level [dBm]	9.22
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	15
Freq. Start [MHz]	2401.000
Freq. Stop [MHz]	2403.000
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

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

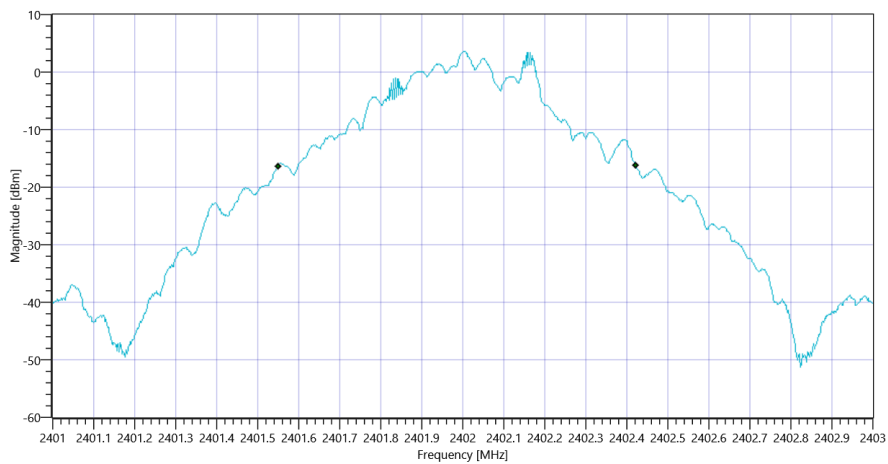


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT\_06112018\_095328.png

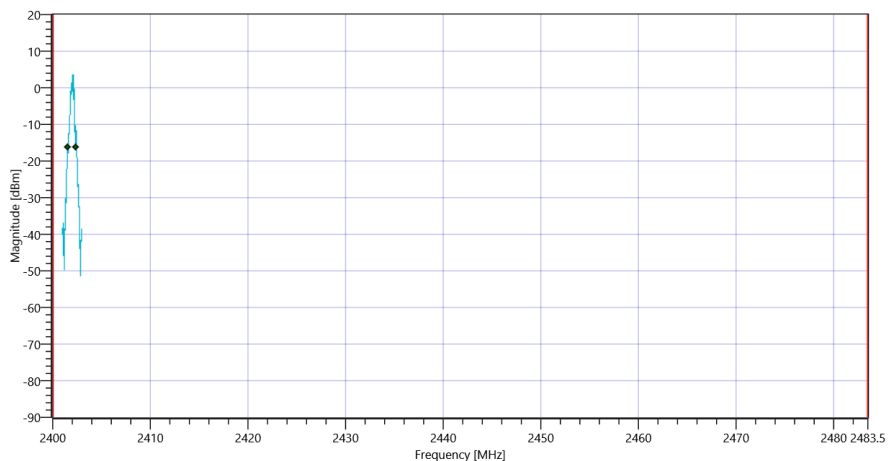


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate\_06112018\_095330.png

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

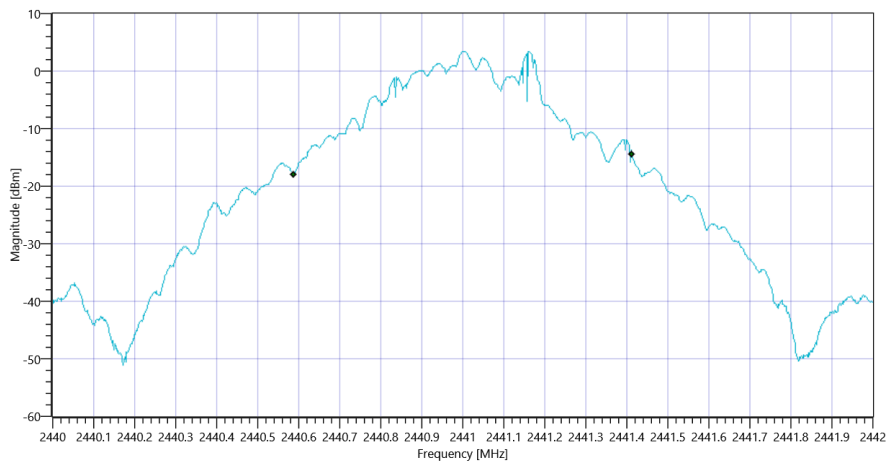
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

READ SA SETTINGS:

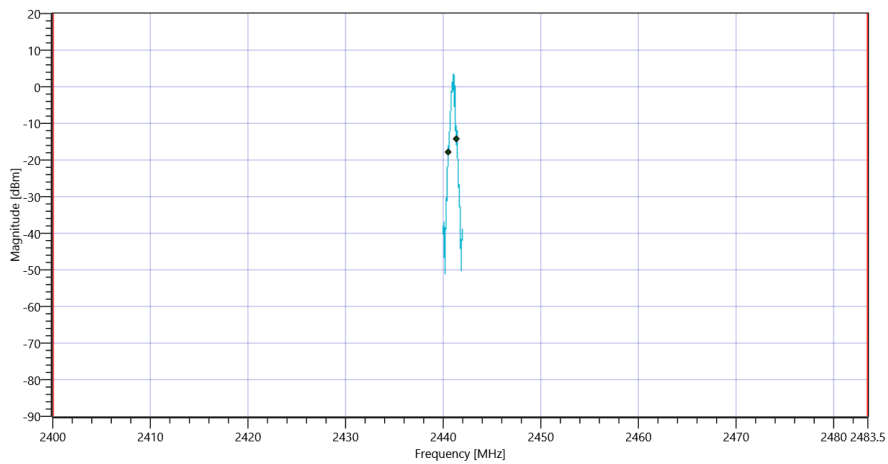
Ref. Level [dBm]	9.14
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	15
Freq. Start [MHz]	2440.000
Freq. Stop [MHz]	2442.000
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

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

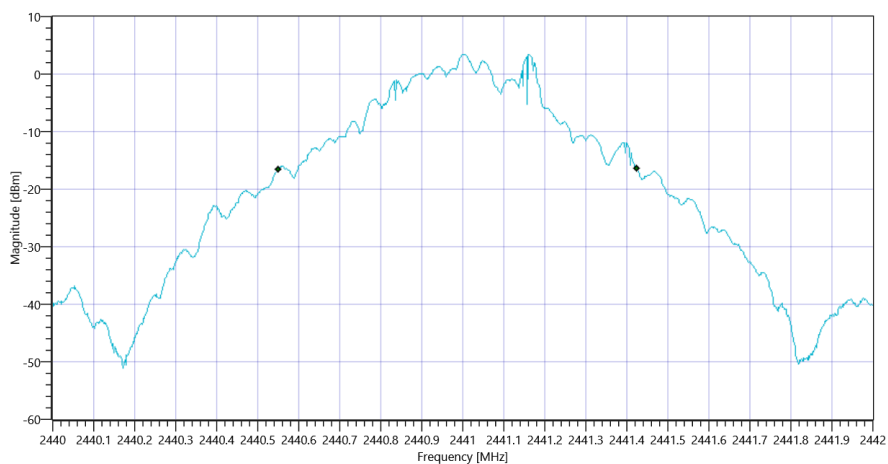


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT\_06112018\_095357.png

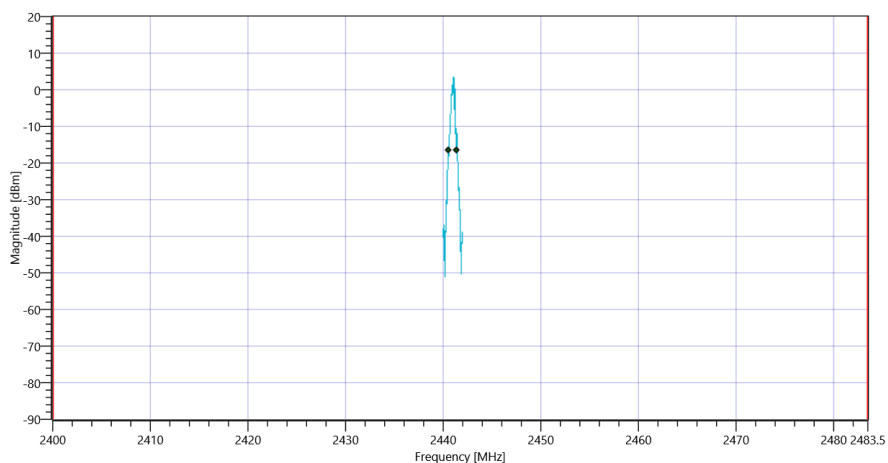


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate\_06112018\_095359.png

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

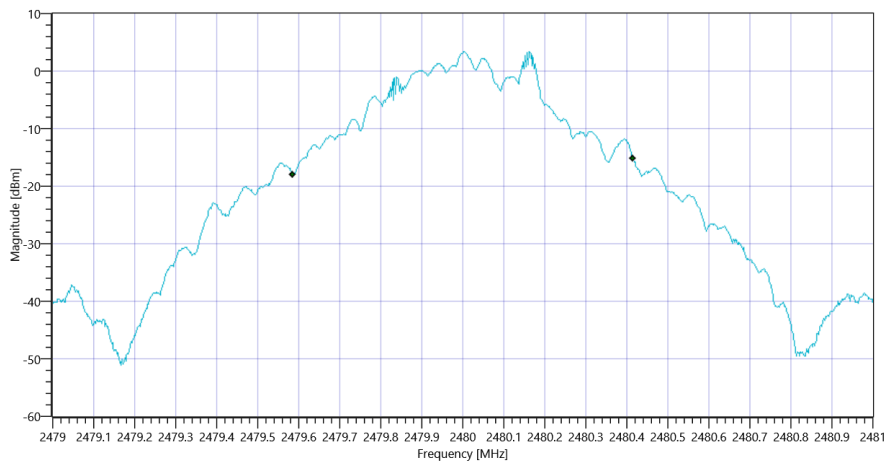
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

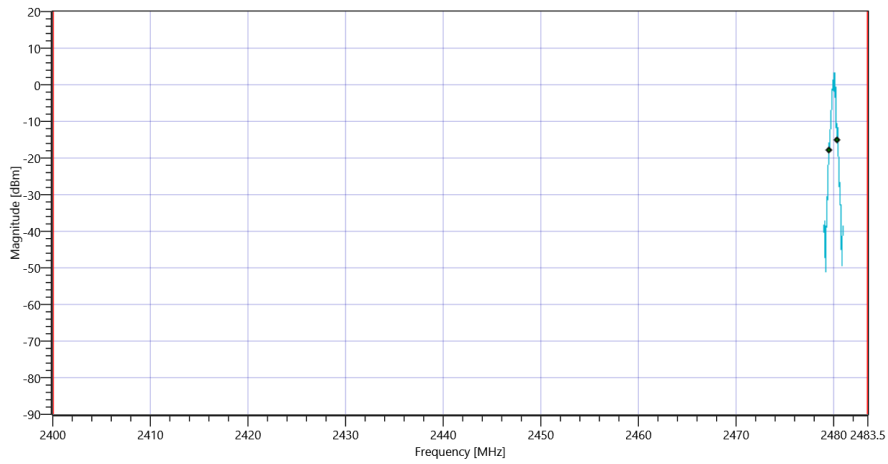
RESULT: TC\_VM\_FCC15247\_Bandwidth\_99PCT\_20dB\_DTS\_FHSS\_V01

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

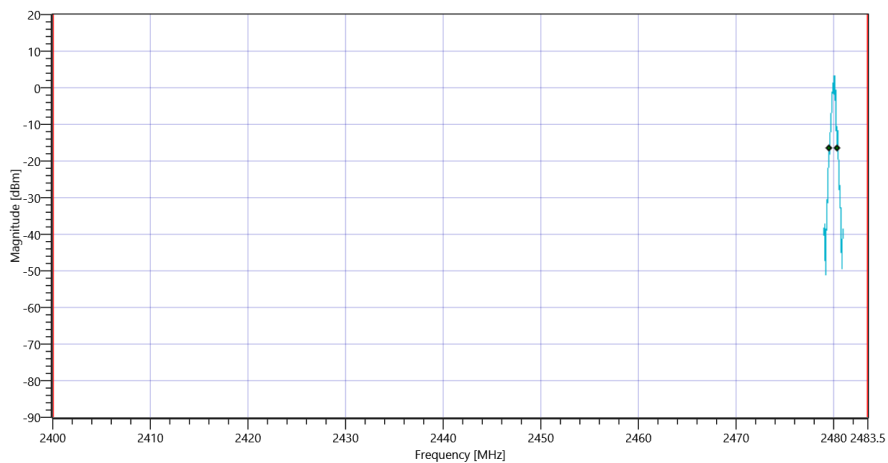
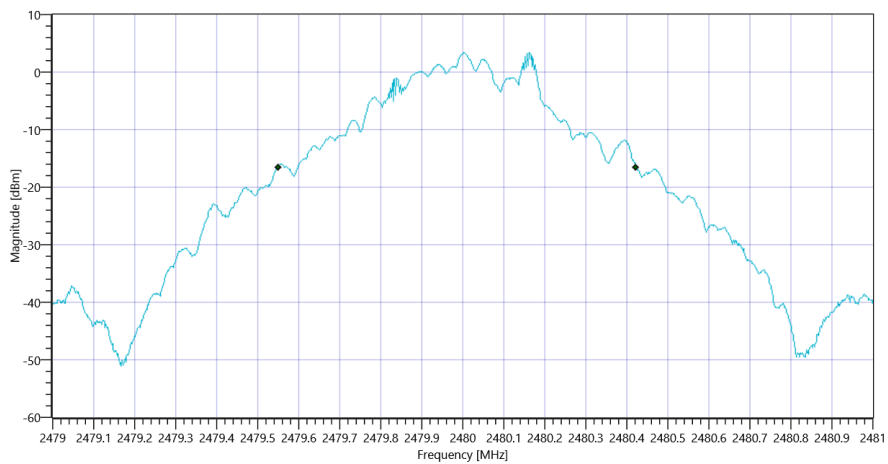


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic Basic rate 99PCT\_06112018\_095426.png





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



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

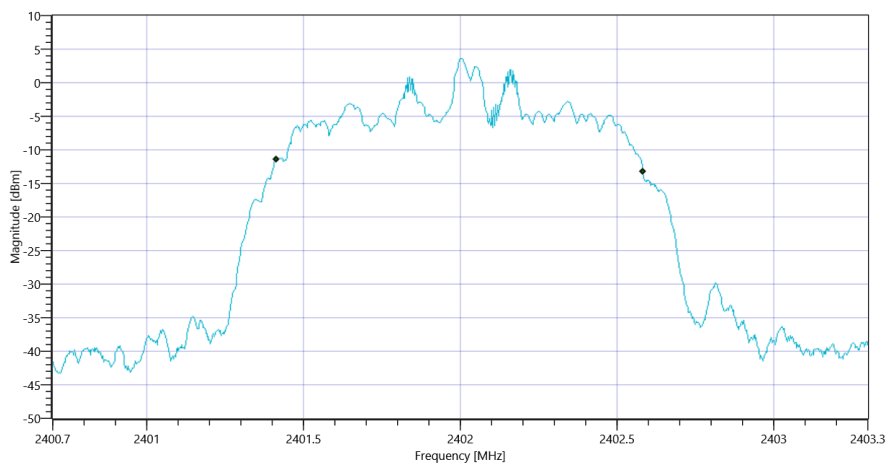
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### READ SA SETTINGS:

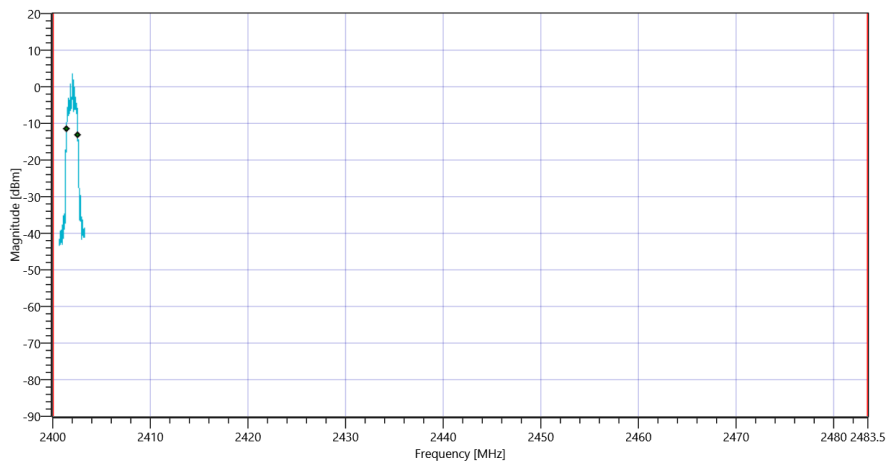
Ref. Level [dBm]	11.07
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2400.700
Freq. Stop [MHz]	2403.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

### 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

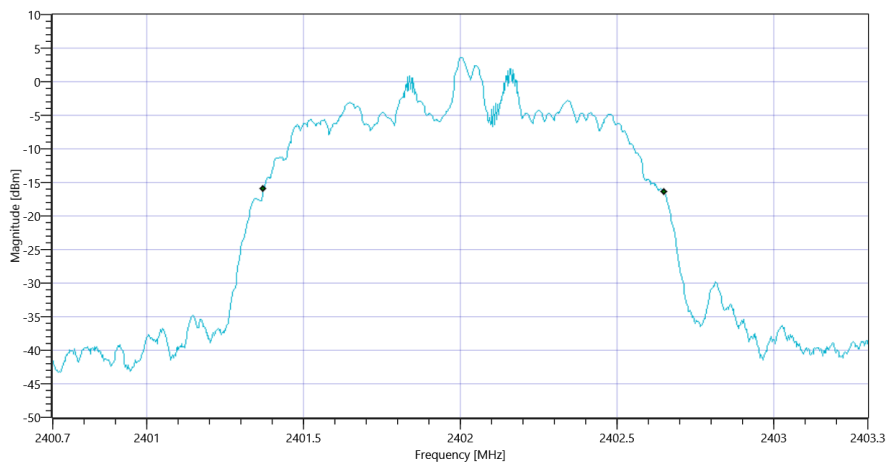


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT\_06112018\_095505.png

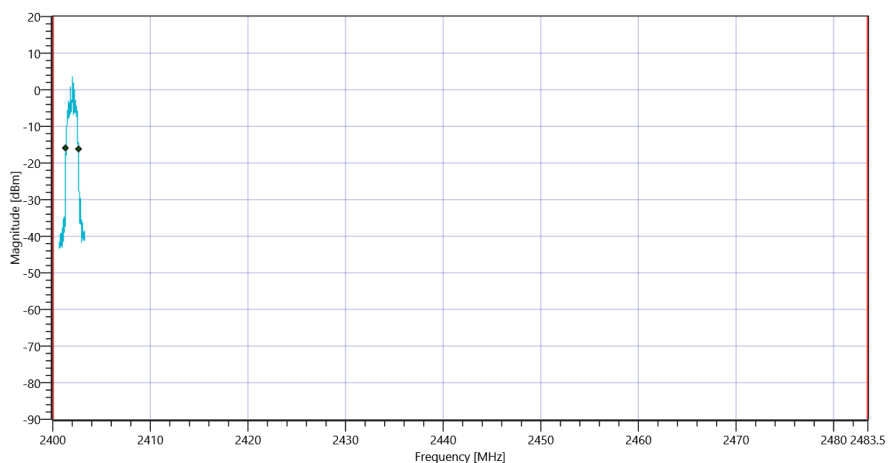


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK\_06112018\_095508.png

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

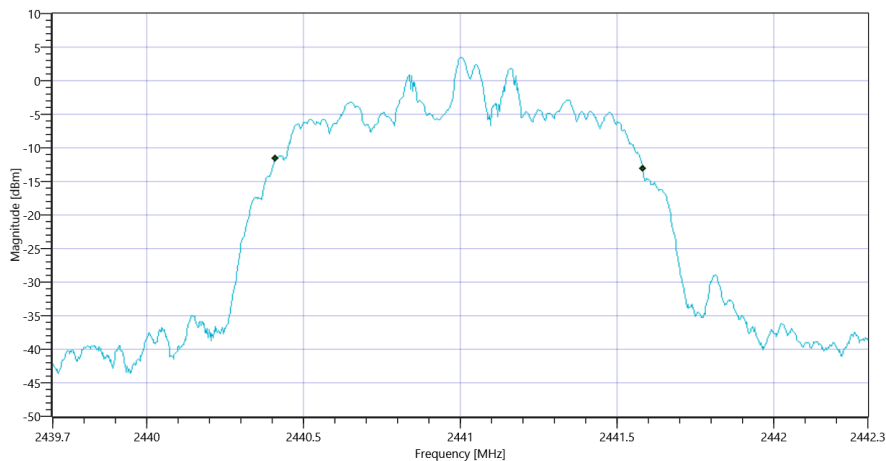
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### READ SA SETTINGS:

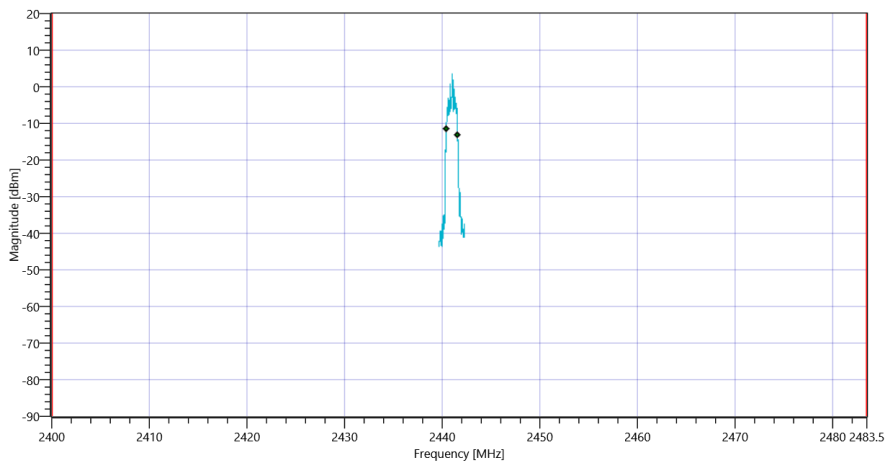
Ref. Level [dBm]	10.93
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2439.700
Freq. Stop [MHz]	2442.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

### 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

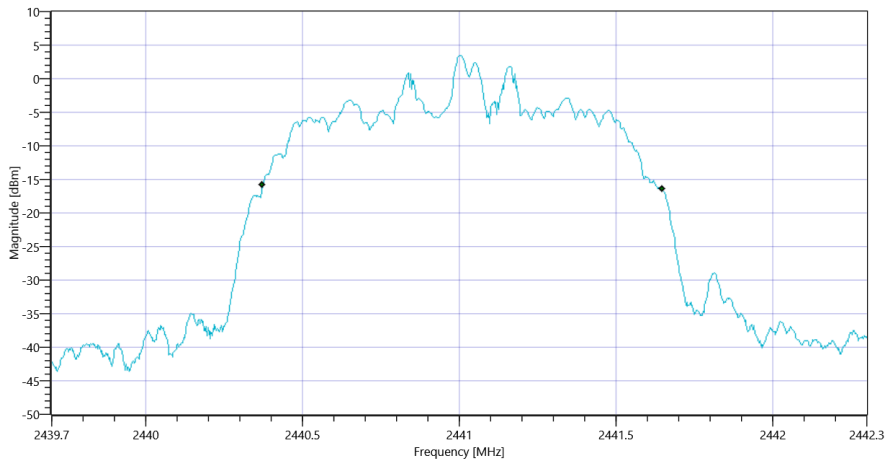


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT\_06112018\_095534.png

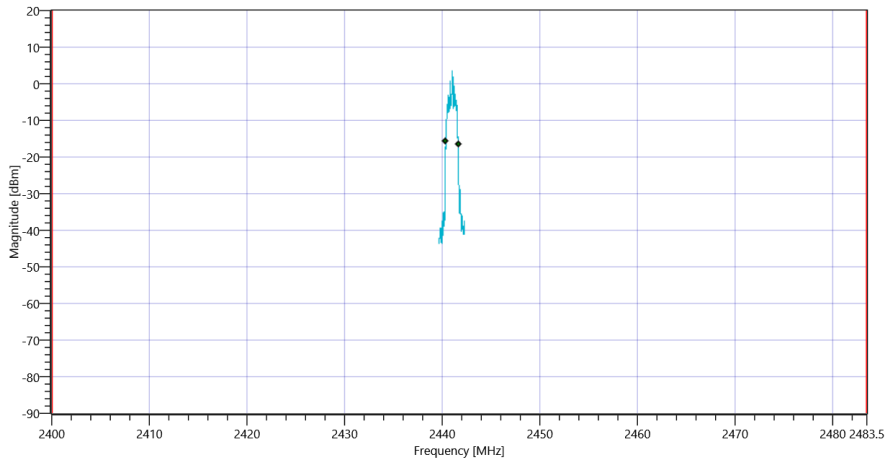


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK\_06112018\_095537.png

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

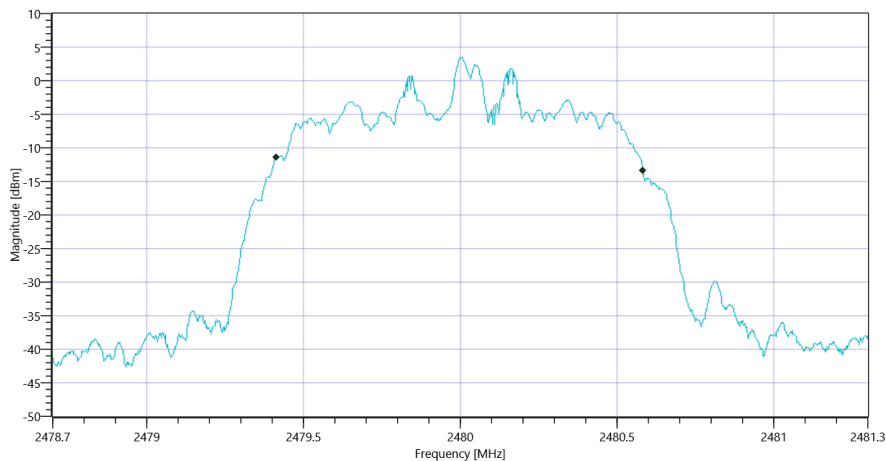
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

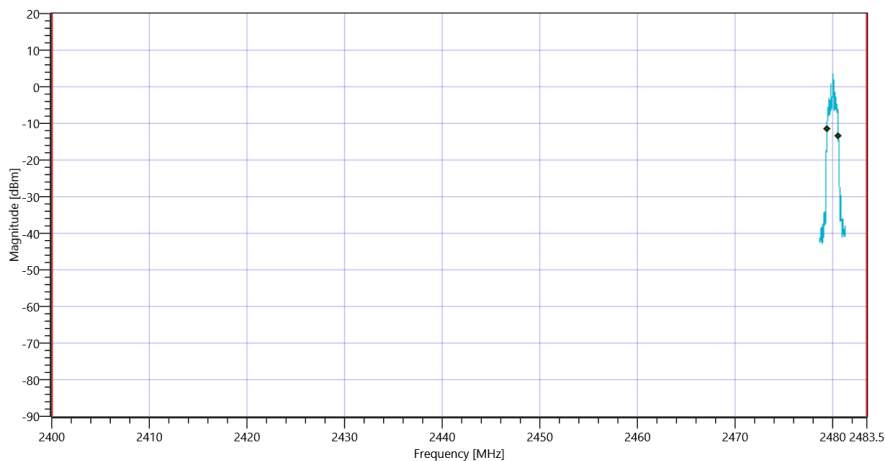
### RESULT: TC\_VM\_FCC15247\_Bandwidth\_99PCT\_20dB\_DTS\_FHSS\_V01

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



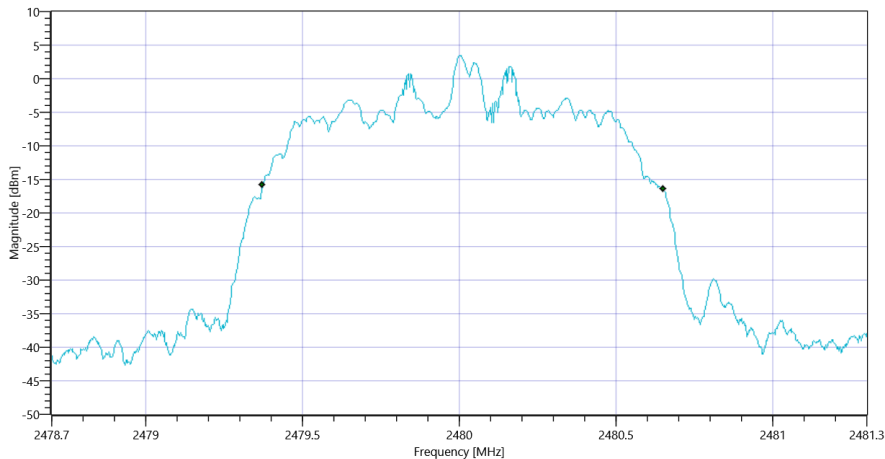
Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK 99PCT\_06112018\_095603.png



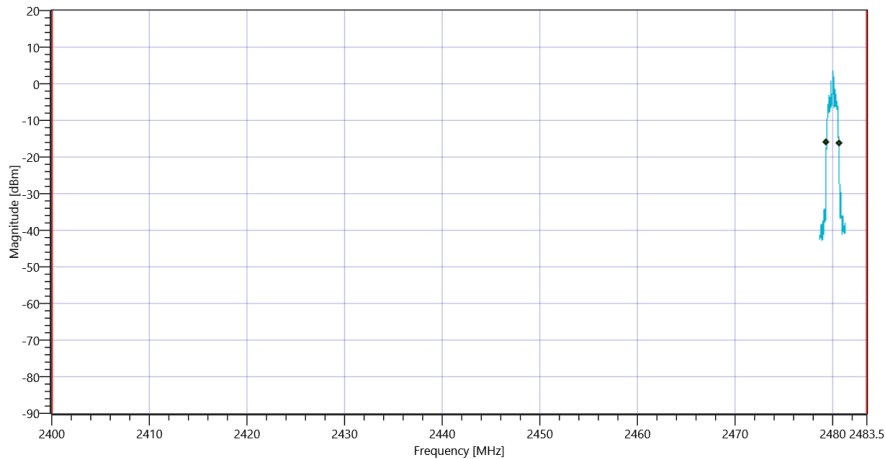


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR Pi-4DQPSK\_06112018\_095606.png

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

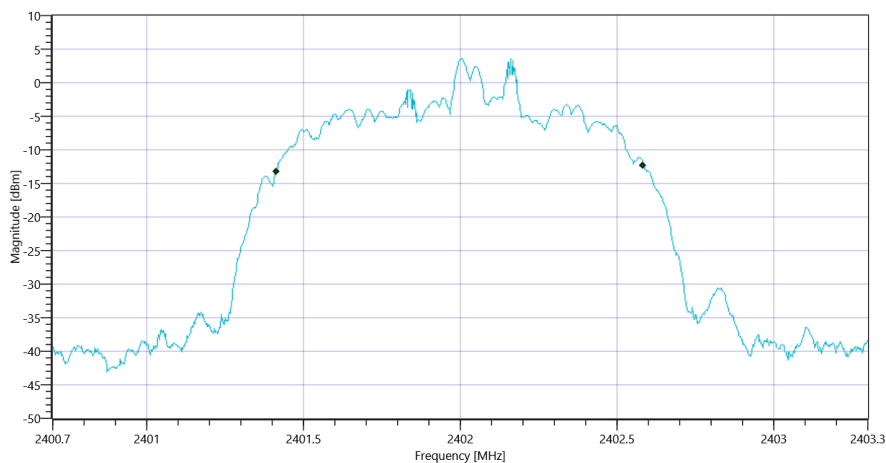
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### READ SA SETTINGS:

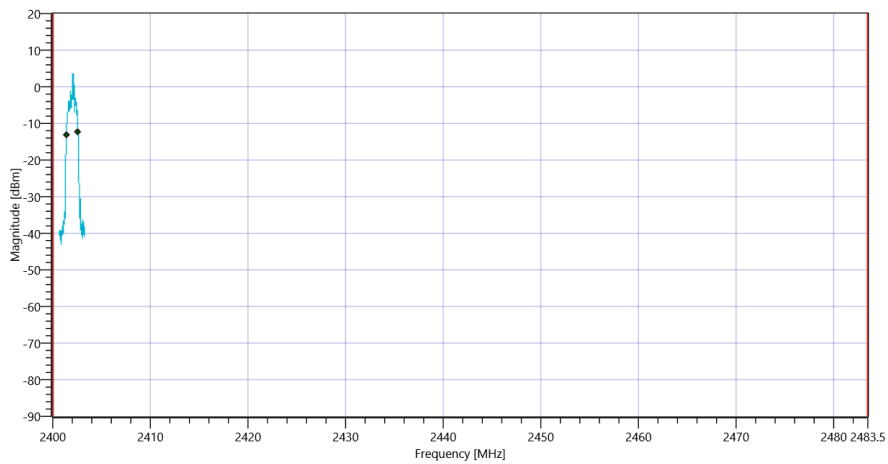
Ref. Level [dBm]	11.59
Ref. Lev. offs [dB]	9.79
Input Attenuation [dB]	20
Freq. Start [MHz]	2400.700
Freq. Stop [MHz]	2403.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

### 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

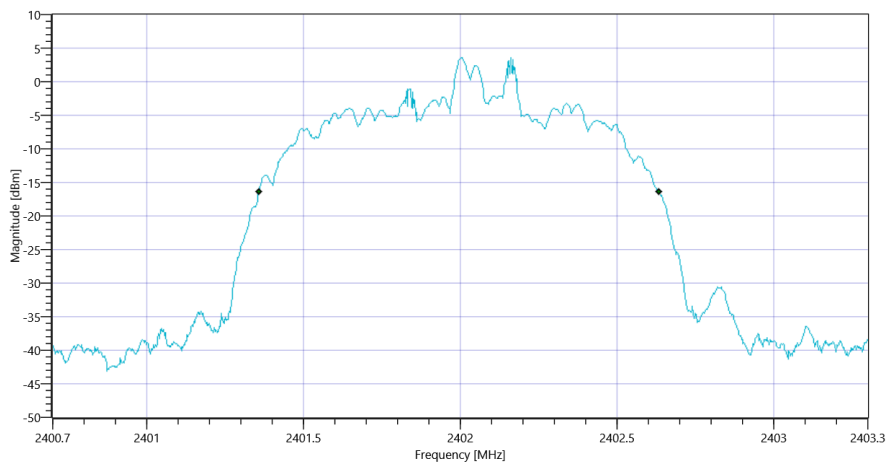


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT\_06112018\_095642.png

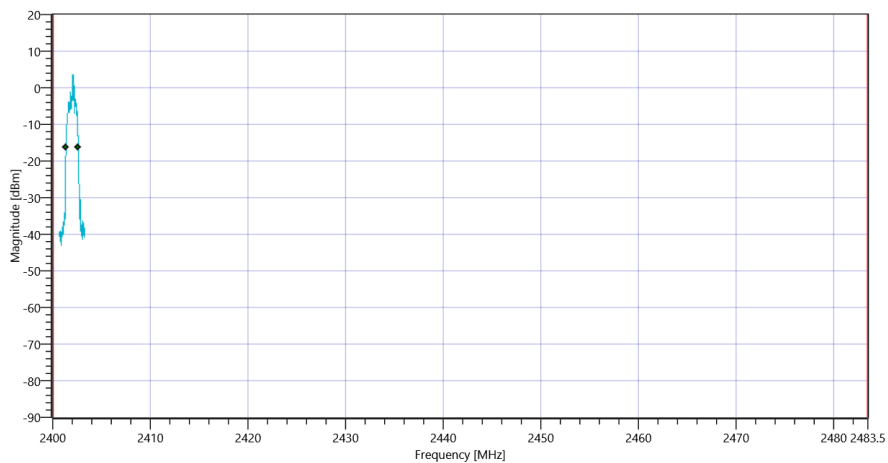


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK\_06112018\_095645.png

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

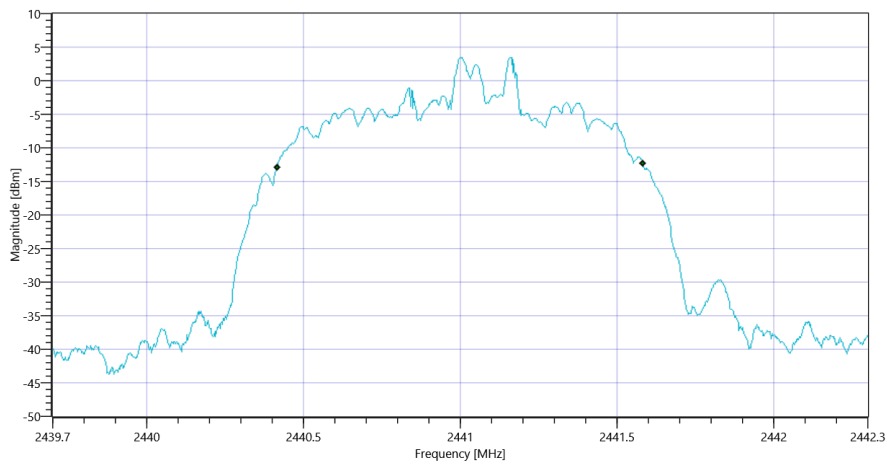
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### READ SA SETTINGS:

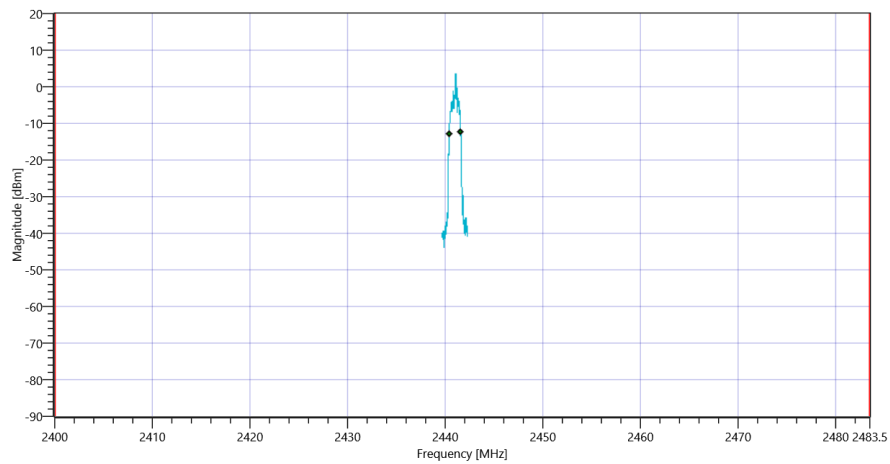
Ref. Level [dBm]	11.69
Ref. Lev. offs [dB]	9.91
Input Attenuation [dB]	20
Freq. Start [MHz]	2439.700
Freq. Stop [MHz]	2442.300
Resolution BW. [MHz]	0.030000
Video BW. [MHz]	0.100000
Detector	POS
Sweep Time [ms]	1000
Sweep Points/Section	1001
Sweep Count	10
Sweep Mode	MAXH
Used Sweep Type	SWE

### 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

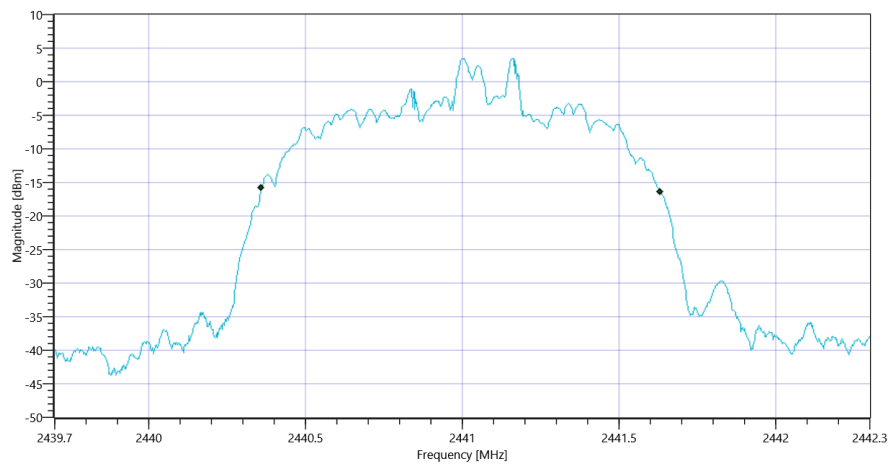


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT\_06112018\_095711.png

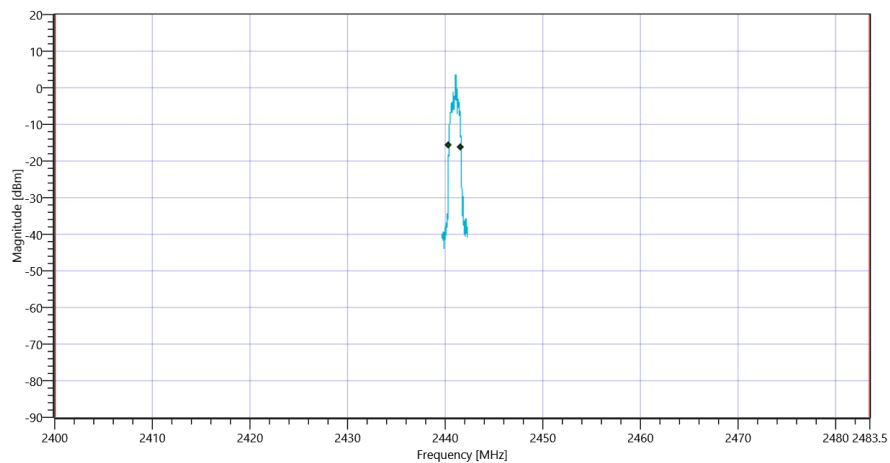


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK\_06112018\_095714.png

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

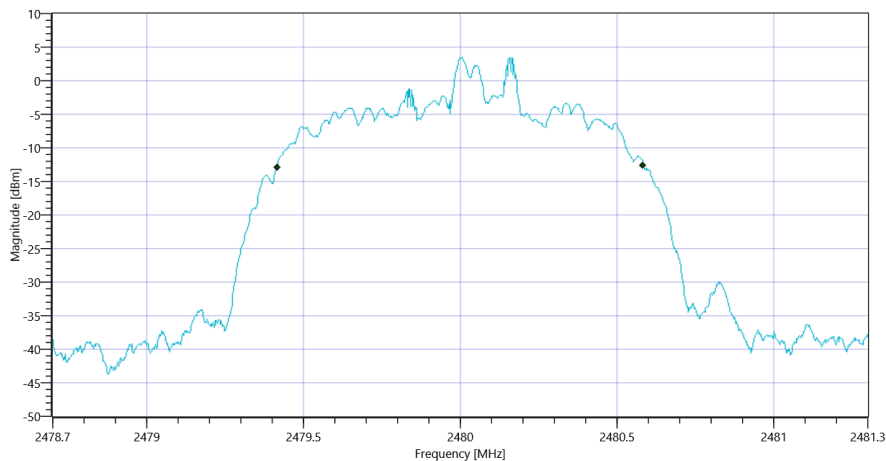
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

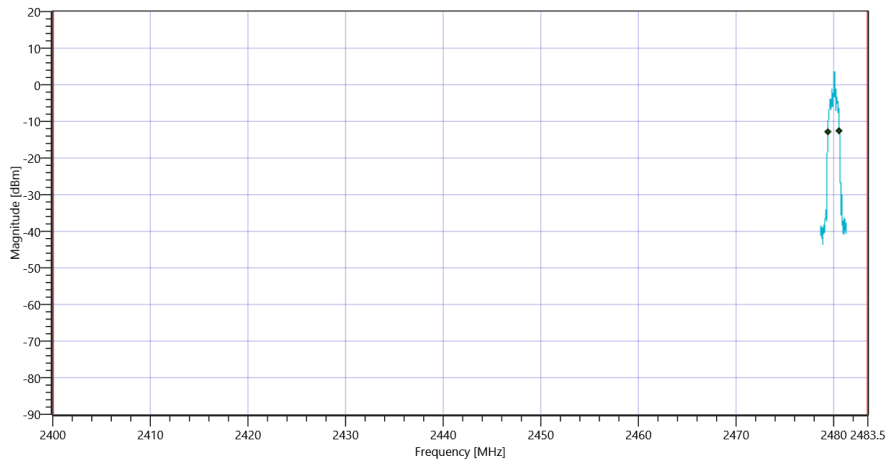
### RESULT: TC\_VM\_FCC15247\_Bandwidth\_99PCT\_20dB\_DTS\_FHSS\_V01

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



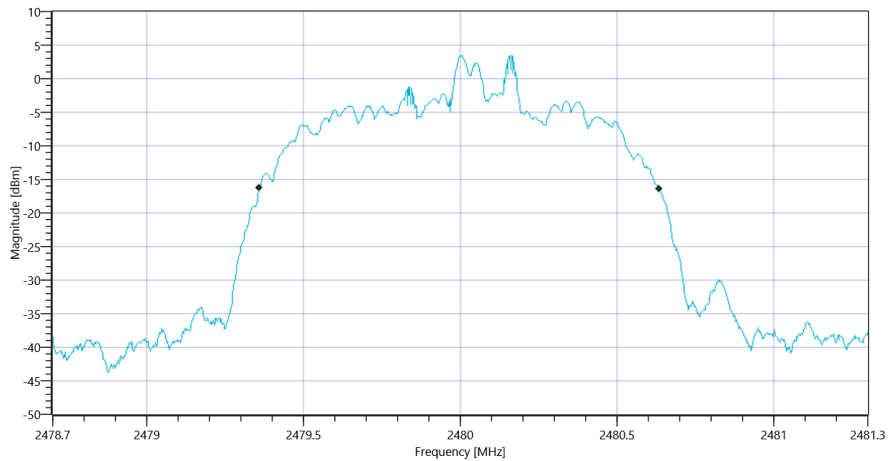
Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK 99PCT\_06112018\_095740.png



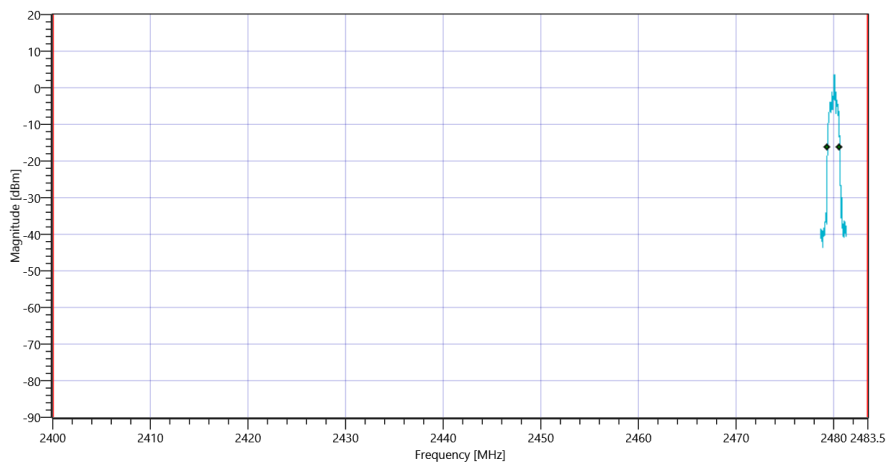


Plot\_FCC Part 15.247 Bandwidth 99PCT - 20dB BT Classic EDR 8DPSK\_06112018\_095743.png

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	

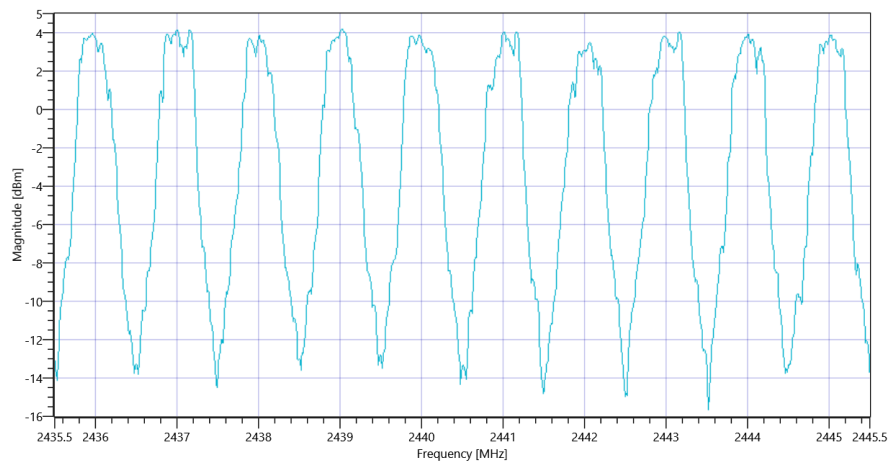
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2402
Frequency mid to test	False   Freq [MHz] 2441
Frequency high to test	False   Freq [MHz] 2480
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - 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	

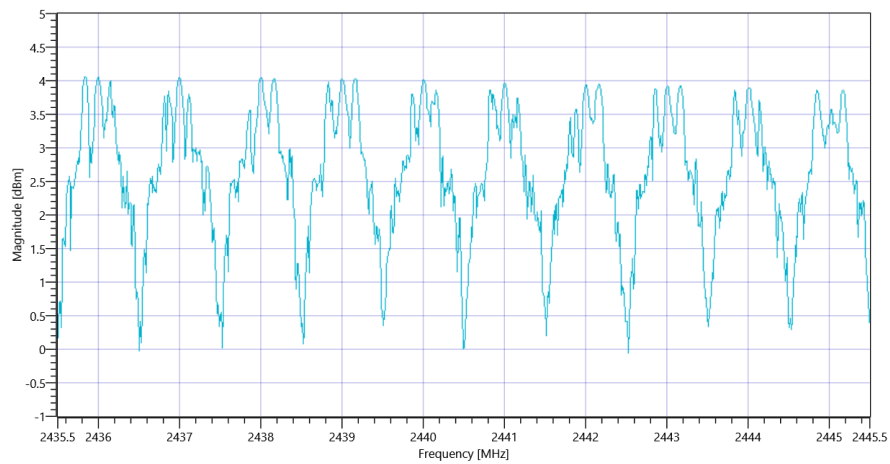
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2402
Frequency mid to test	False   Freq [MHz] 2441
Frequency high to test	False   Freq [MHz] 2480
Device in hopping mode	True
Pattern	PRBS9
Switched Path	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-4QPSK\_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	

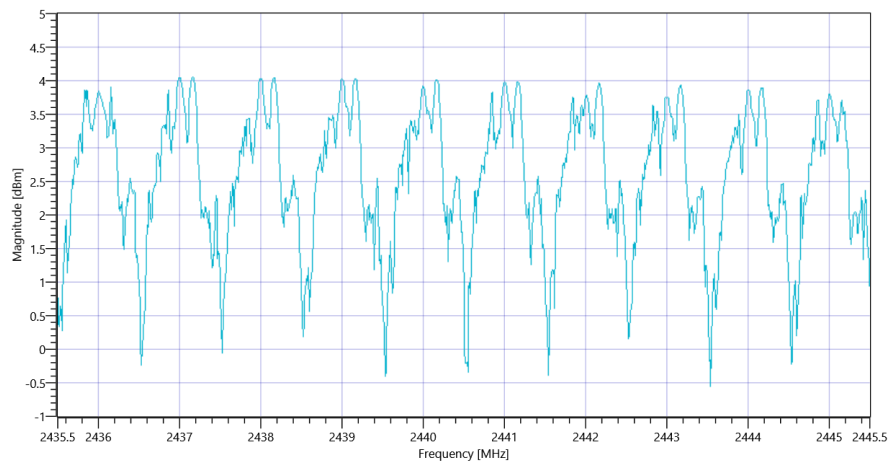
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False   Freq [MHz] 2402
Frequency mid to test	False   Freq [MHz] 2441
Frequency high to test	False   Freq [MHz] 2480
Device in hopping mode	True
Pattern	PRBS9
Switched Path	IUT - 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

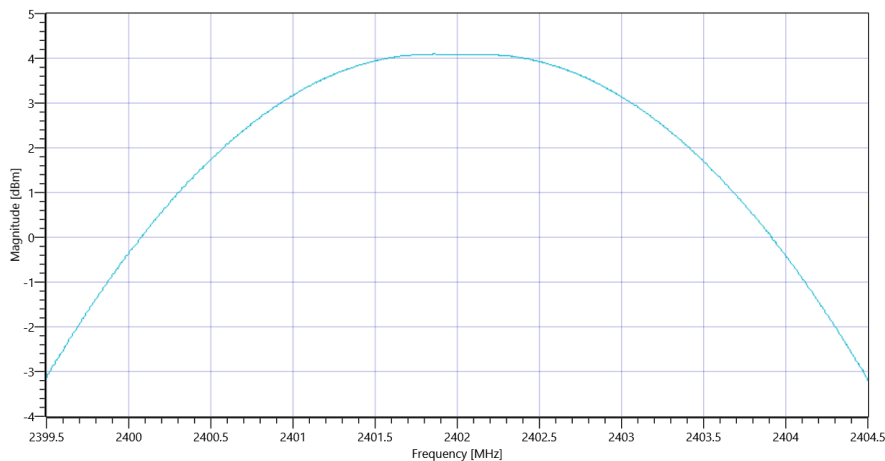
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

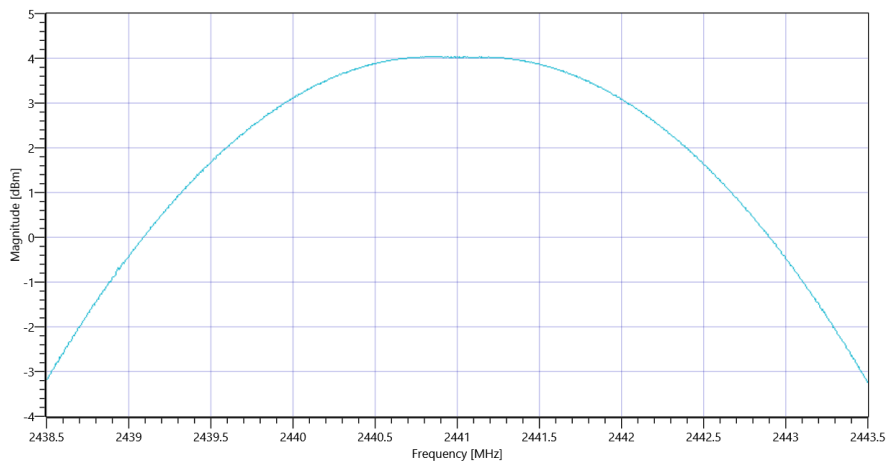
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

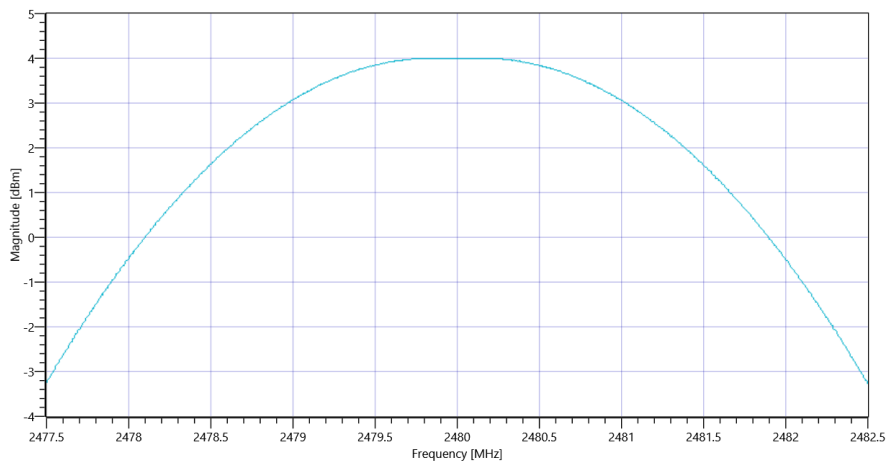
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

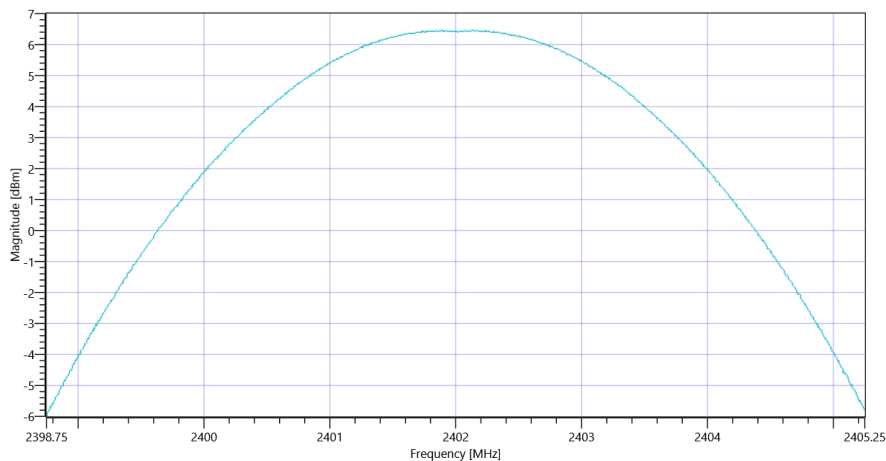
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

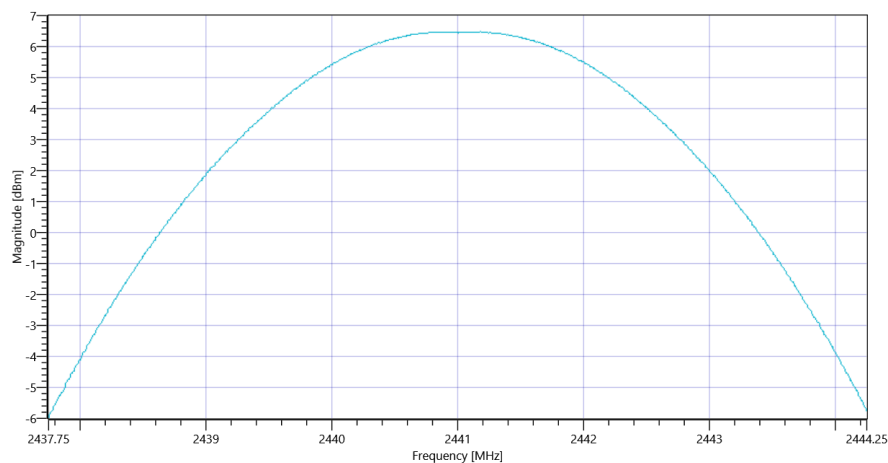
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

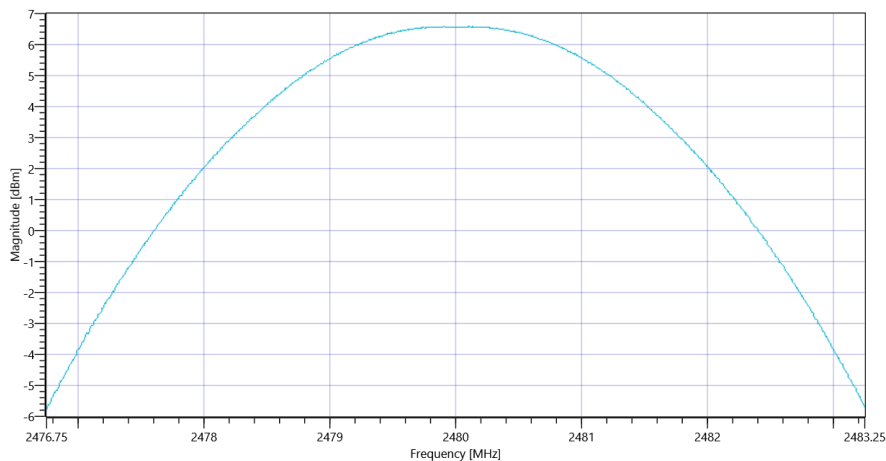
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

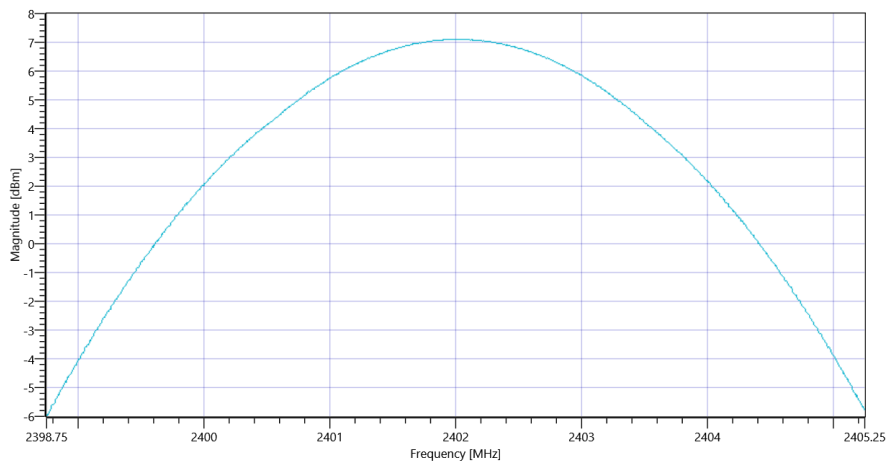
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

### 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

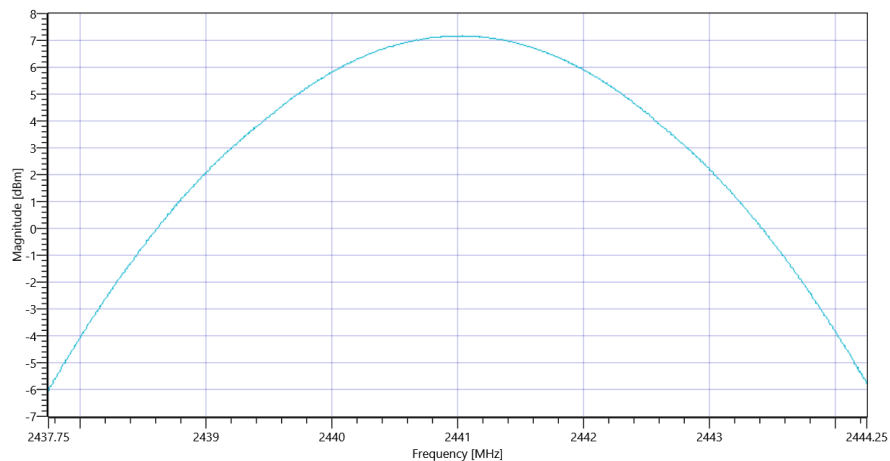
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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

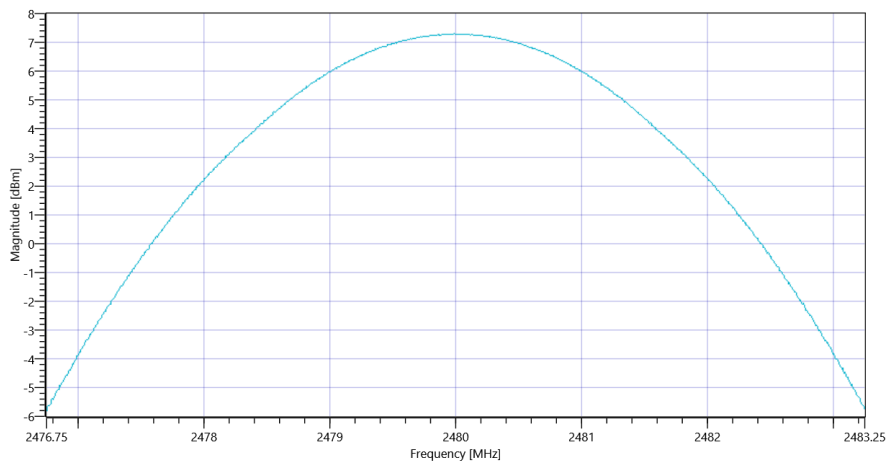
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result	---	---	---	--	TCON

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