

Measurement Results

1-9154/19-01-05_Annex_MR_A_1

Test logging

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	Robert Bosch Multimedia GmbH
Туре	AIVIH61L2
Serial No. Setup No.	2656321 2591A9FV0C A 283C33692E 001 001 40K 1.0
SW Version HW Version	283C33692E 001
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 70 55
Vlow Vmid Vhigh [V] @Imax [A]	9 13.5 16 @3
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0.5

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	BC7536D2D90D
Signaling BT Addess	BABEBEDADBAD
Switch Matrix & Pathcompensation enabled	Yes



1. BT Tools BT Classic Read IUT Properties from device

Test References	
TC Start	27.11.2019 10:06:16
System Version	1.0.0.24
Test Specification	none
Test Method	
Class / TC Version / TC ID	TC_VM_BT_Tools_BTClassic_Read_IUT_Properties_V01 Version: 0.0.1 TCID_BTTools_1
My Description	BT Tools BT Classic Read IUT Properties from device
Add. Information	

Test Parameter	
Technology to test	BT Classic
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70

RESULT: BT Classic Co	ESULT: BT Classic Connection check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result					TCON

READ IUT INFOS:	
Device Name	m
Version	"unassigned","Marvell Technology Group Ltd. ","29509"
Company Name	"Marvell Technology Group Ltd. "
BT Address	#HBC7536D2D90D
Class	"Miscellaneous",""
Power Conrol	ON
Enhanced Power Control	ON
SCL Class	117
Encryption	ON
Psaving	ON,ON,OFF
Conn	0X00,P2,R1,ON,ON,ON,ON,ON
SCO	ON,ON,ON,ON,ON,ON,ON

TEST FINISHED		
General Verdict	27.11.2019 10:06:27 / RT: 10 s	PASS



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

Test References	
TC Start	27.11.2019 08:58:06
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

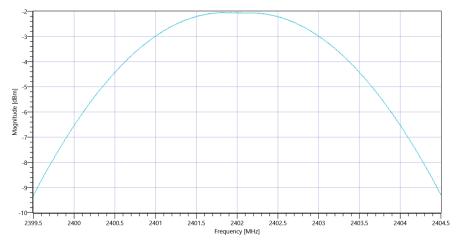


Test at TX 2402 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.79 10.29 15
Start [MHz] Stop [MHz]	2399.500 2404.500
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power			-2.05	dBm	Information
Peak Power			0.623735	mW	Information
Frequency at Peak			2401.795	MHz	Information



 $Plot_Common2G4\ Peak\ Output\ Power\ conducted\ 3MHz_3MHz \sim BT\ Classic\ Basic\ rate_27112019_085841.png$

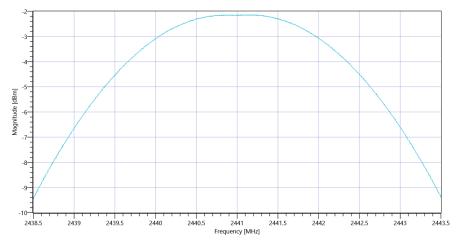


Test at TX 2441 MHz

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

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.78 10.41 15	
Start [MHz] Stop [MHz]	2438.500 2443.500	
RBW [MHz] VBW [MHz]	3.000000 3.000000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE	

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power			-2.14	dBm	Information
Peak Power			0.610942	mW	Information
Frequency at Peak			2441.165	MHz	Information



 $Plot_Common2G4\ Peak\ Output\ Power\ conducted\ 3MHz_3MHz \sim BT\ Classic\ Basic\ rate_27112019_085905.png$

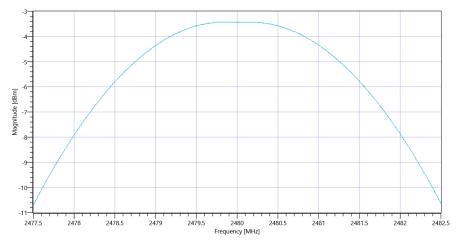


Test at TX 2480 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.46 10.46 15
Start [MHz] Stop [MHz]	2477.500 2482.500
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_Common2G4_Peak_Output_Power_Conducted_3MHz_3MHz_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power			-3.42	dBm	Information
Peak Power			0.454988	mW	Information
Frequency at Peak			2479.79	MHz	Information



Plot_Common2G4 Peak Output Power conducted 3MHz_3MHz ~ BT Classic Basic rate_27112019_085929.png

Т	EST FINISHED		
G	Seneral Verdict	27.11.2019 08:59:29 / RT: 82 s	PASS
		•	



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

Test References	
TC Start	27.11.2019 08:59:33
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

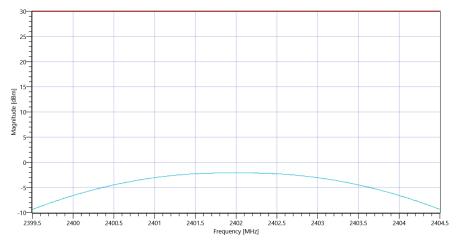


Test at TX 2402 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.76 10.29 15
Start [MHz] Stop [MHz]	2399.500 2404.500
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15	247_Maximum_Peak_Co	nducted_Output_Power_FHSS_V	/ 01		
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-2.11	dBm	PASS
Peak Power		1000	0.615177	mW	PASS
Frequency at Peak	-		2401.855	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_27112019_090006.png

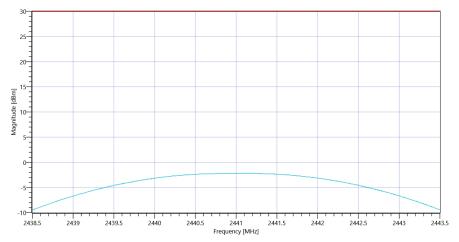


Test at TX 2441 MHz

RESULT: BT Classic Connec	ction check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.69 10.41 15
Start [MHz] Stop [MHz]	2438.500 2443.500
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC152	247_Maximum_Peak_Co	nducted_Output_Power_FHSS_V	/ 01		
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-2.21	dBm	PASS
Peak Power		1000	0.601174	mW	PASS
Frequency at Peak			2441.13	MHz	Information



Plot_FCC Part 15.247 Maximum Peak Conducted Output Power FHSS ~ BT Classic Basic rate_27112019_090030.png

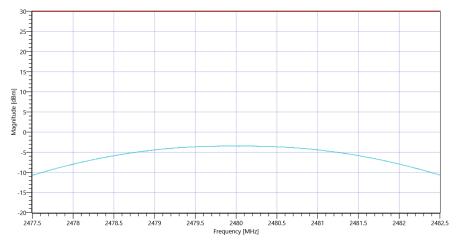


Test at TX 2480 MHz

RESULT: BT Classic Connec	ction check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.40 10.46 15
Start [MHz] Stop [MHz]	2477.500 2482.500
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15	247_Maximum_Peak_Cor	nducted_Output_Power_FHSS_\	/01		
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-3.48	dBm	PASS
Peak Power		1000	0.448745	mW	PASS
Frequency at Peak			2479.83	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS\sim BT\ Classic\ Basic\ rate_27112019_090055.png$

General Verdict 27.11.2019 09:00:55 / RT: 81 s PASS	



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

Test References	
TC Start	27.11.2019 09:21:48
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

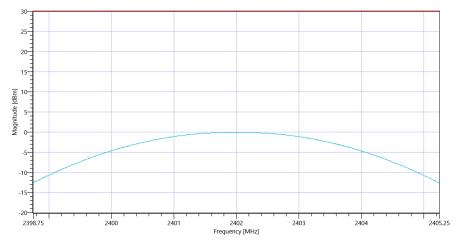


Test at TX 2402 MHz

RESULT: BT Classic Conne	ection check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.80 10.29 15
Start [MHz] Stop [MHz]	2398.750 2405.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-0.1	dBm	PASS
Peak Power		1000	0.977237	mW	PASS
Frequency at Peak			2401.916	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092221.png$

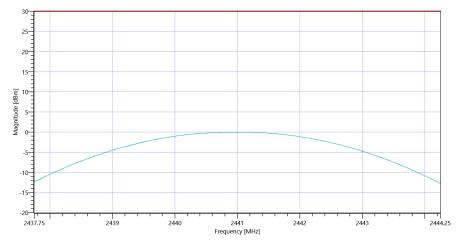


Test at TX 2441 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.00 10.41 15
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-0.06	dBm	PASS
Peak Power		1000	0.986279	mW	PASS
Frequency at Peak			2441.091	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092246.png$

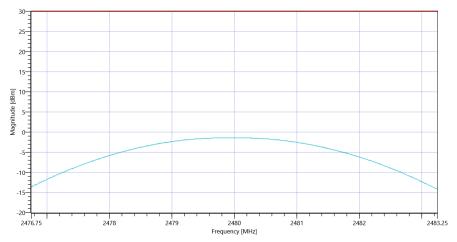


Test at TX 2480 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.29 10.46 15
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-1.43	dBm	PASS
Peak Power		1000	0.719449	mW	PASS
Frequency at Peak			2480.02	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092310.png$

Orace Wordist	TEST FINISHED			
General verdict 27.11.2019 09:23:107 R1: 82 s	General Verdict	27.11.2019 09:23:10 / RT: 82 s	PASS	



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

Test References	
TC Start	27.11.2019 09:44:05
System Version	1.0.0.24
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01 Version: 0.0.1 TCID_FCC15247_4
My Description	FCC 15.247 Maximum Peak Output Power Conducted FHSS - BT Classic EDR 8DPSK
Add Information	

Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

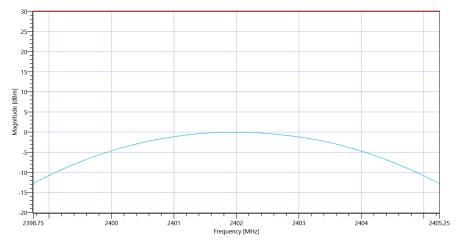


Test at TX 2402 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.46 10.29 15
Start [MHz] Stop [MHz]	2398.750 2405.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	0	dBm	PASS
Peak Power		1000	1	mW	PASS
Frequency at Peak			2401.942	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS\sim BT\ Classic\ EDR\ 8DPSK_27112019_094439.png$

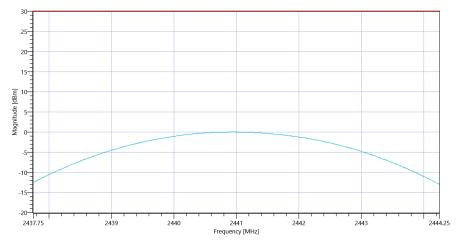


Test at TX 2441 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 10.41 15
Start [MHz] Stop [MHz]	2437.750 2444.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	0.04	dBm	PASS
Peak Power		1000	1.009253	mW	PASS
Frequency at Peak	-		2440.916	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS\sim BT\ Classic\ EDR\ 8DPSK_27112019_094504.png$

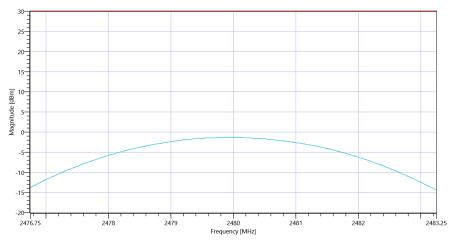


Test at TX 2480 MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.45 10.46 15
Start [MHz] Stop [MHz]	2476.750 2483.250
RBW [MHz] VBW [MHz]	3.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1000 10 1001 SWE

RESULT: TC_VM_FCC15247_Maximum_Peak_Conducted_Output_Power_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power		30.00	-1.31	dBm	PASS
Peak Power		1000	0.739605	mW	PASS
Frequency at Peak			2479.903	MHz	Information



 $Plot_FCC\ Part\ 15.247\ Maximum\ Peak\ Conducted\ Output\ Power\ FHSS\sim BT\ Classic\ EDR\ 8DPSK_27112019_094528.png$

TEST FINISHED		
General Verdict	27.11.2019 09:45:29 / RT: 83 s	PASS



6. FCC Part 15.247 Number Of Hopping Channels FHSS \sim BT Classic Basic rate

Test References	
TC Start	27.11.2019 09:00:59
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60



Test at TX hopping MHz

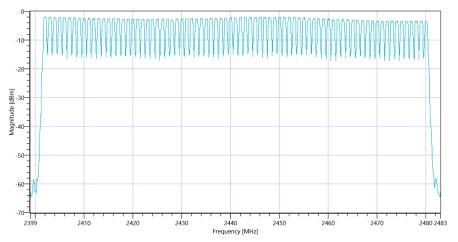
RESULT: BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.89 10.41 10
Start [MHz] Stop [MHz]	2399.000 2483.000
RBW [MHz] VBW [MHz]	0.200000 0.500000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10000 1001 SWE

est Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
lopp channel (rounded)			2402	MHz	Information
lopp channel (rounded)			2403	MHz	Information
lopp channel (rounded)			2404	MHz	Information
lopp channel (rounded)			2405	MHz	Information
lopp channel (rounded)			2406	MHz	Information
lopp channel (rounded)			2407	MHz	Information
lopp channel (rounded)			2408	MHz	Information
lopp channel (rounded)			2409	MHz	Information
lopp channel (rounded)			2410	MHz	Information
lopp channel (rounded)			2411	MHz	Information
lopp channel (rounded)			2412	MHz	Information
lopp channel (rounded)		***	2413	MHz	Information
lopp channel (rounded)	-		2414	MHz	Information
lopp channel (rounded)			2415	MHz	Information
Hopp channel (rounded)			2416	MHz	Information
lopp channel (rounded)			2417	MHz	Information
lopp channel (rounded)			2418	MHz	Information
lopp channel (rounded)			2419	MHz	Information
lopp channel (rounded)			2420	MHz	Information
lopp channel (rounded)			2421	MHz	Information
lopp channel (rounded)			2422	MHz	Information
lopp channel (rounded)			2423	MHz	Information
lopp channel (rounded)			2424	MHz	Information
lopp channel (rounded)			2425	MHz	Information
lopp channel (rounded)			2426	MHz	Information
lopp channel (rounded)			2427	MHz	Information
lopp channel (rounded)			2428	MHz	Information
lopp channel (rounded)			2429	MHz	Information
lopp channel (rounded)	_		2430	MHz	Information
lopp channel (rounded)			2431	MHz	Information
lopp channel (rounded)			2432	MHz	Information
lopp channel (rounded)			2433	MHz	Information
lopp channel (rounded)			2434	MHz	Information
lopp channel (rounded)			2435	MHz	Information
lopp channel (rounded)	_		2436	MHz	Information
lopp channel (rounded)			2437	MHz	Information
lopp channel (rounded)	_		2438	MHz	Information
lopp channel (rounded)			2439	MHz	Information
lopp channel (rounded)	_		2440	MHz	Information
lopp channel (rounded)			2441	MHz	Information
lopp channel (rounded)	_		2442	MHz	Information
lopp 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



 $Plot_FCC\ Part\ 15.247\ Number\ Of\ Hopping\ Channels\ FHSS\sim BT\ Classic\ Basic\ rate_27112019_090146.png$



General Verdict 27.11.2019 09:01:46 / RT: 47 s

PASS



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

Test References	
TC Start	27.11.2019 09:01:50
System Version	1.0.0.24
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

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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60



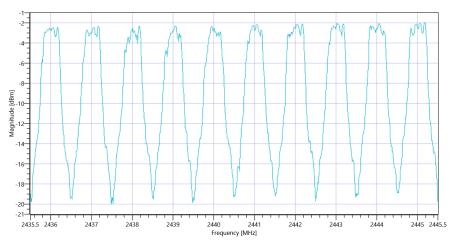
Test at TX hopping MHz

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

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.83 10.41 10
Start [MHz] Stop [MHz]	2435.500 2445.500
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 20000 1001 SWE

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_27112019_090349.png

TEST FINISHED		
General Verdict	27.11.2019 09:03:49 / RT: 119 s	PASS



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

Test References	
TC Start	27.11.2019 09:03:53
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

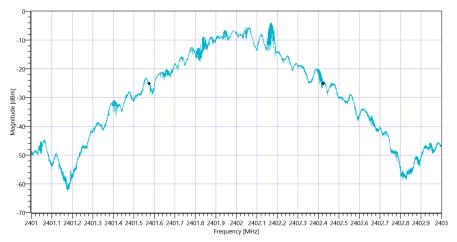


Test at TX 2402 MHz

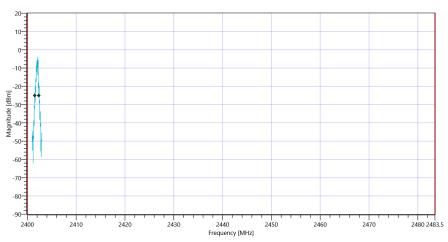
RESULT: BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.56 10.29 10
Start [MHz] Stop [MHz]	2401.000 2403.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			849	kHz	Information
T1 99%	2400.000000		2401.5752	MHz	PASS
T2 99%		2483.500000	2402.4242	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ Basic\ rate\ 99PCT_27112019_090427.png$

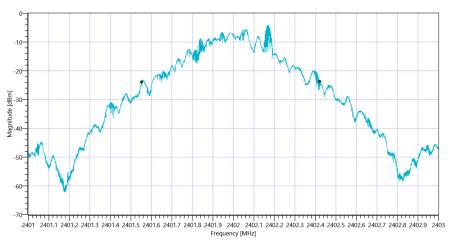


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090429.png

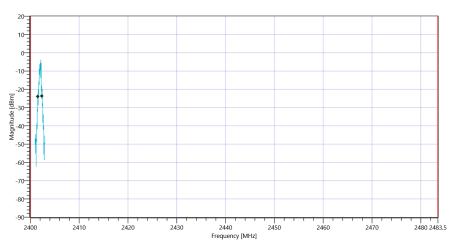
RESULT: TC_VM_FCC15	247_Bandwidth_99PCT_2	0dB_DTS_FHSS_V01			
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			869	kHz	Information
T1 20dB	2400.000000		2401.5522	MHz	PASS



T2 20dB -- 2483.500000 2402.4214 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27112019_090433.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090436.png

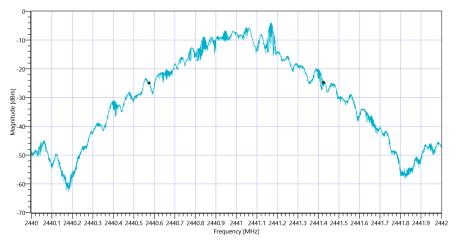


Test at TX 2441 MHz

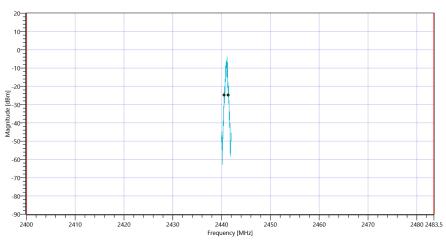
RESULT: BT Classic Conr	nection check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.55 10.41 10
Start [MHz] Stop [MHz]	2440.000 2442.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			852	kHz	Information
T1 99%	2400.000000		2440.5744	MHz	PASS
T2 99%		2483.500000	2441.4264	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ Basic\ rate\ 99PCT_27112019_090501.png$

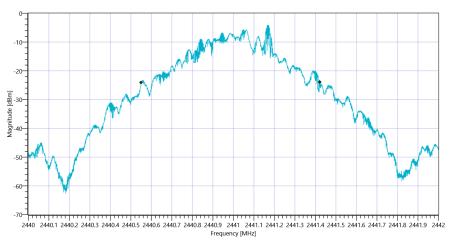


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090504.png

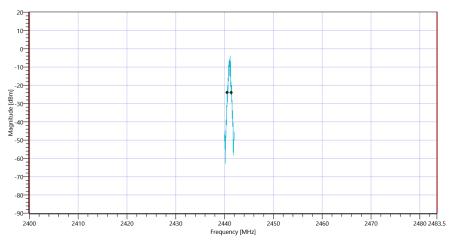
RESULT: TC_VM_FCC15	247_Bandwidth_99PCT_2	.0dB_DTS_FHSS_V01			
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			870	kHz	Information
T1 20dB	2400.000000		2440.5518	MHz	PASS



T2 20dB -- 2483.500000 2441.4216 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27112019_090508.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090511.png

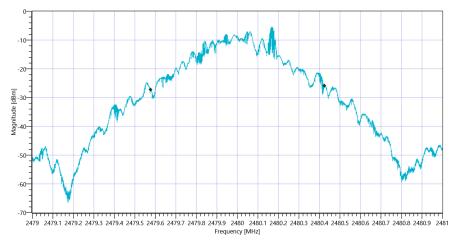


Test at TX 2480 MHz

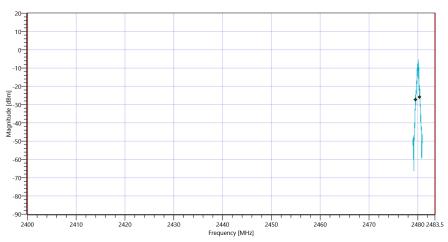
RESULT: BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.25 10.46 10
Start [MHz] Stop [MHz]	2479.000 2481.000
RBW [MHz] VBW [MHz]	0.020000 0.050000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			846	kHz	Information
T1 99%	2400.000000		2479.5786	MHz	PASS
T2 99%		2483.500000	2480.4246	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ Basic\ rate\ 99PCT_27112019_090537.png$

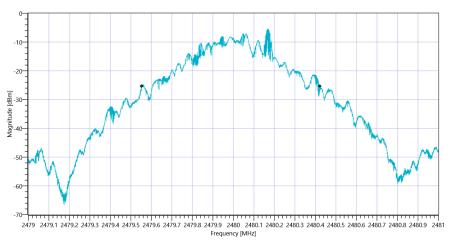


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090540.png

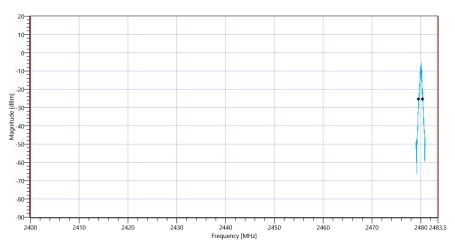
RESULT: TC_VM_FCC15	247_Bandwidth_99PCT_2	0dB_DTS_FHSS_V01			
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			869	kHz	Information
T1 20dB	2400.000000		2479.5528	MHz	PASS



T2 20dB -- 2483.500000 2480.4220 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate 20dB_27112019_090544.png



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic Basic rate_27112019_090547.png

TEST FINISHED		
General Verdict	27.11.2019 09:05:47 / RT: 114 s	PASS



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

Test References	
TC Start	27.11.2019 09:26:09
System Version	1.0.0.24
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
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60

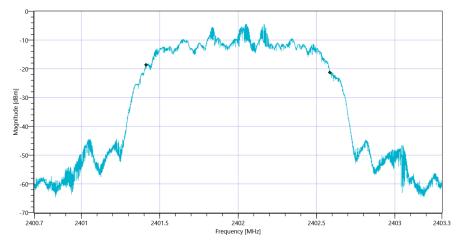


Test at TX 2402 MHz

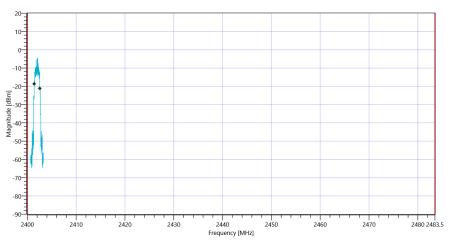
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.42 10.29 10
Start [MHz] Stop [MHz]	2400.700 2403.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%		***	1172	kHz	Information
T1 99%	2400.000000		2401.4127	MHz	PASS
T2 99%		2483.500000	2402.5852	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_27112019_092643.png

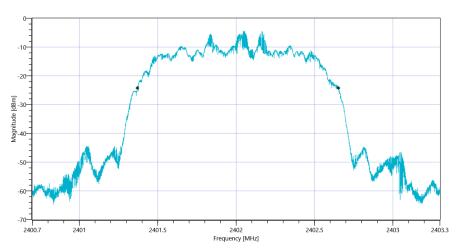


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27112019_092646.png

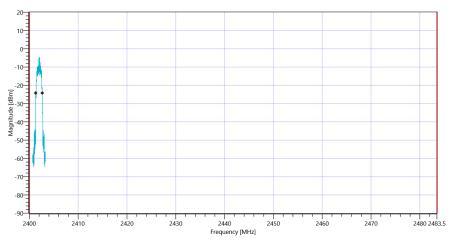
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			1282	kHz	Information
T1 20dB	2400.000000		2401.3713	MHz	PASS



T2 20dB -- 2483.500000 2402.6534 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_27112019_092649.png



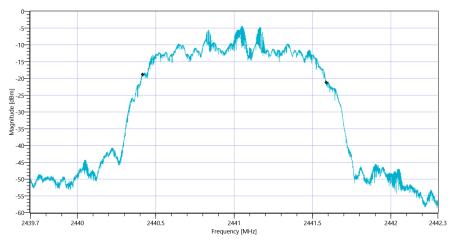
 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092652.png$



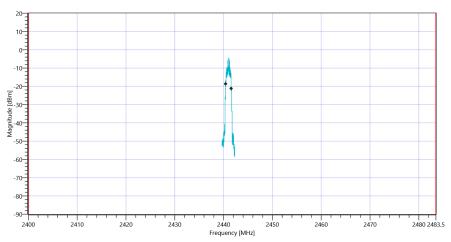
RESULT: BT Classic Connection check								
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict			
Connection result				-	TCON			

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.55 10.41 10
Start [MHz] Stop [MHz]	2439.700 2442.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			1174	kHz	Information
T1 99%	2400.000000		2440.4158	MHz	PASS
T2 99%		2483.500000	2441.5901	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_27112019_092718.png

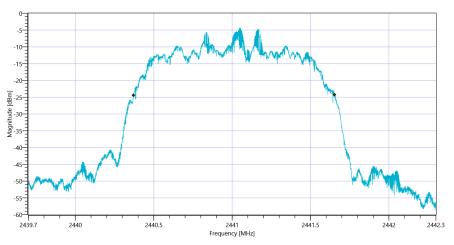


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27112019_092721.png

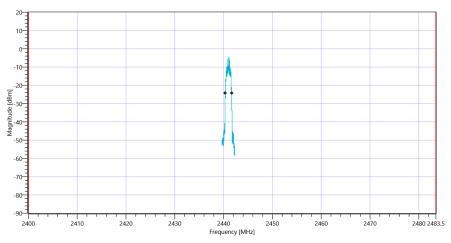
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			1283	kHz	Information
T1 20dB	2400.000000		2440.3713	MHz	PASS



T2 20dB -- 2483.500000 2441.6542 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_27112019_092724.png



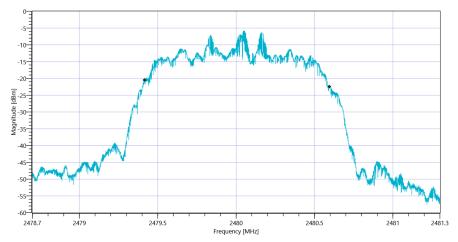
 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092727.png$



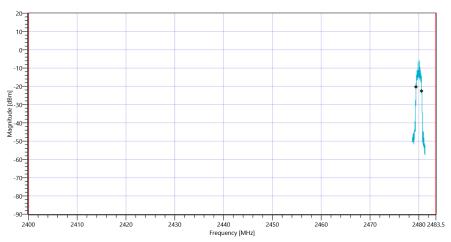
RESULT: BT Classic Connection check							
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict		
Connection result				-	TCON		

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.59 10.46 10
Start [MHz] Stop [MHz]	2478.700 2481.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			1178	kHz	Information
T1 99%	2400.000000		2479.4161	MHz	PASS
T2 99%	-	2483.500000	2480.5943	MHz	PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 99PCT_27112019_092753.png

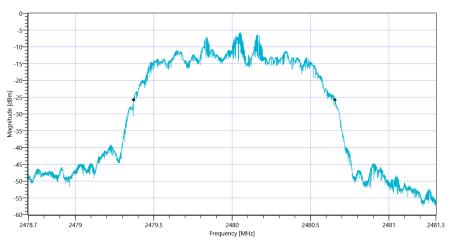


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK_27112019_092756.png

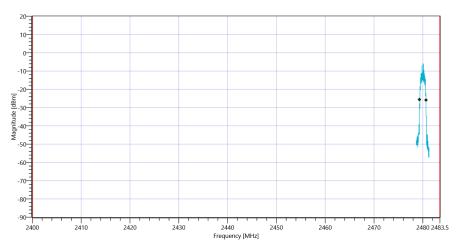
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Bandwidth 20dB			1284	kHz	Information	
T1 20dB	2400.000000		2479.3721	MHz	PASS	



T2 20dB -- 2483.500000 2480.6560 MHz PASS



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR Pi-4DQPSK 20dB_27112019_092800.png



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ Pi-4DQPSK_27112019_092803.png$

TEST FINISHED		
General Verdict	27.11.2019 09:28:04 / RT: 114 s	PASS



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

Test References	
TC Start	27.11.2019 09:48:28
System Version	1.0.0.24
Test Specification	FCC Part 15.247
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01 Version: 0.0.2 TCID_FCC15247_2
My Description	FCC 15.247 Bandwidth 99PCT - 20dB FHSS - BT Classic EDR 8DPSK
Add. Information	

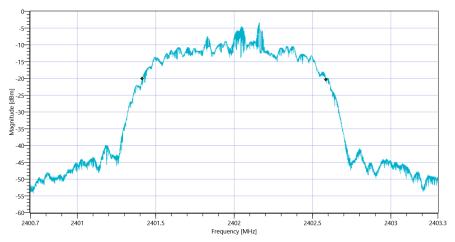
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60



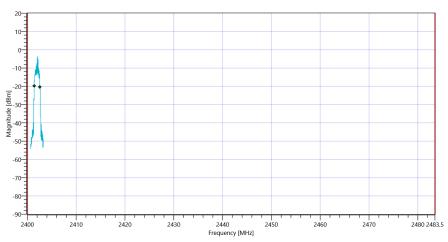
RESULT: BT Classic Connection check							
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict		
Connection result				-	TCON		

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.27 10.29 10
Start [MHz] Stop [MHz]	2400.700 2403.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			1172	kHz	Information
T1 99%	2400.000000		2401.4151	MHz	PASS
T2 99%		2483.500000	2402.5873	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ 8DPSK\ 99PCT_27112019_094903.png$

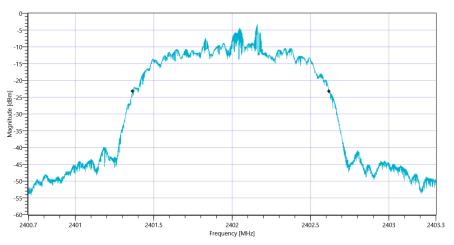


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27112019_094906.png

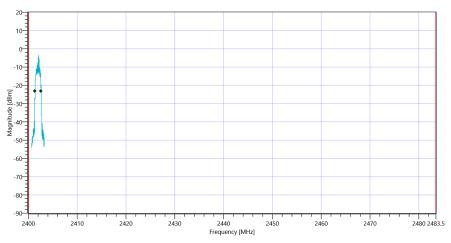
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			1255	kHz	Information
T1 20dB	2400.000000		2401.3646	MHz	PASS



T2 20dB -- 2483.500000 2402.6196 MHz PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB\ \sim\ BT\ Classic\ EDR\ 8DPSK\ 20dB_27112019_094910.png$



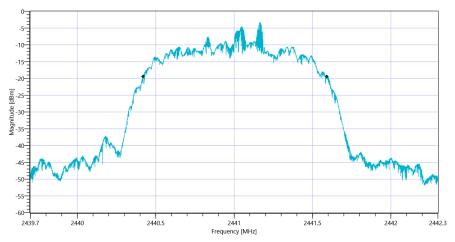
 $Plot_FCC~Part~15.247~Bandwidth~99PCT-20dB \sim BT~Classic~EDR~8DPSK_27112019_094913.png$



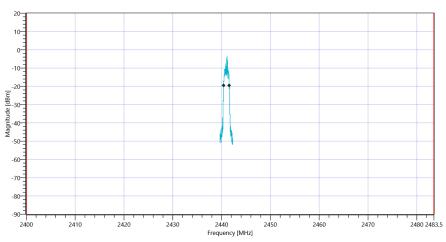
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.78 10.41 10
Start [MHz] Stop [MHz]	2439.700 2442.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			1173	kHz	Information
T1 99%	2400.000000		2440.4187	MHz	PASS
T2 99%		2483.500000	2441.5920	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ 8DPSK\ 99PCT_27112019_094938.png$

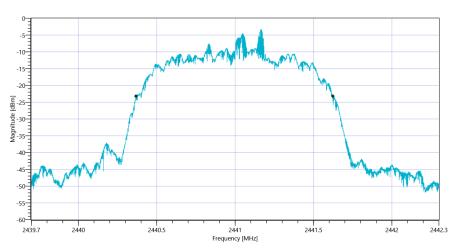


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27112019_094941.png

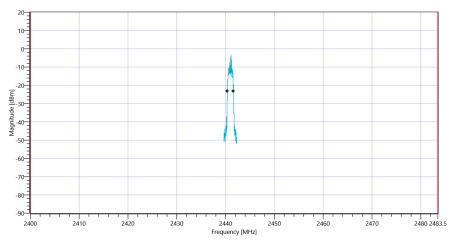
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			1256	kHz	Information
T1 20dB	2400.000000		2440.3695	MHz	PASS



T2 20dB -- 2483.500000 2441.6258 MHz PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB\ \sim\ BT\ Classic\ EDR\ 8DPSK\ 20dB_27112019_094945.png$



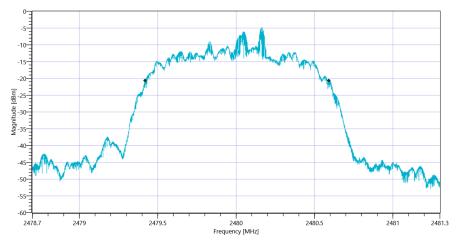
Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27112019_094948.png



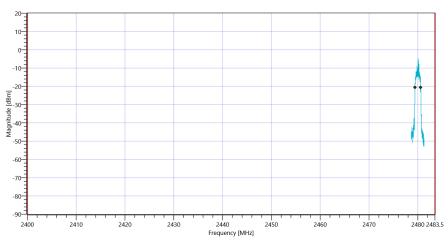
RESULT: BT Classic Connection check					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.94 10.46 10
Start [MHz] Stop [MHz]	2478.700 2481.300
RBW [MHz] VBW [MHz]	0.030000 0.100000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	50 200 10001 SWE

RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%			1174	kHz	Information
T1 99%	2400.000000		2479.4205	MHz	PASS
T2 99%		2483.500000	2480.5940	MHz	PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB \sim BT\ Classic\ EDR\ 8DPSK\ 99PCT_27112019_095014.png$

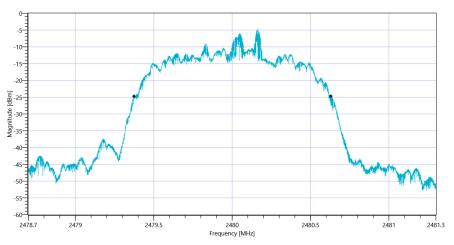


Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27112019_095017.png

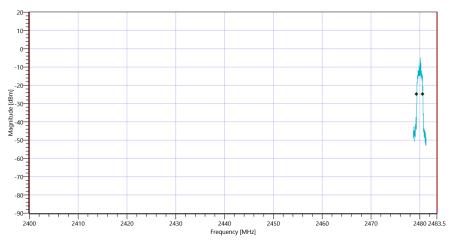
RESULT: TC_VM_FCC15247_Bandwidth_99PCT_20dB_DTS_FHSS_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB			1256	kHz	Information
T1 20dB	2400.000000		2479.3755	MHz	PASS



T2 20dB -- 2483.500000 2480.6313 MHz PASS



 $Plot_FCC\ Part\ 15.247\ Bandwidth\ 99PCT-20dB\ \sim\ BT\ Classic\ EDR\ 8DPSK\ 20dB_27112019_095021.png$



Plot_FCC Part 15.247 Bandwidth 99PCT-20dB ~ BT Classic EDR 8DPSK_27112019_095024.png

TEST FINISHED		
General Verdict	27.11.2019 09:50:25 / RT: 116 s	PASS



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

Test References	
TC Start	27.11.2019 09:05:51
System Version	1.0.0.24
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
Class / TC Version / TC ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic Basic Rate
Add Information	

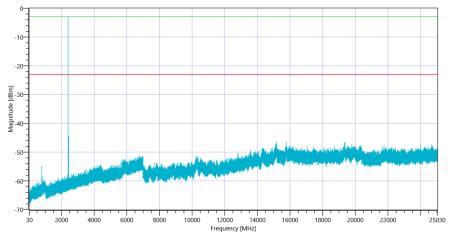
Test Parameter	
Technology to test	BT Classic Basic rate
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz.FSV-30.1321.3008K30/103809.3.60



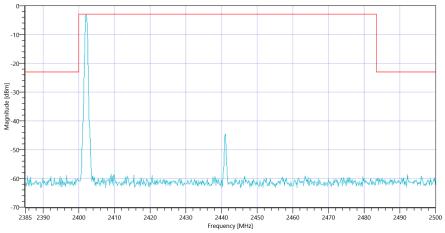
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.07 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz			-2.97	dBm	Information
No peaks detected					PASS



 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced \sim BT\ Classic\ Basic\ rate\ 2402_27112019_091042.png$



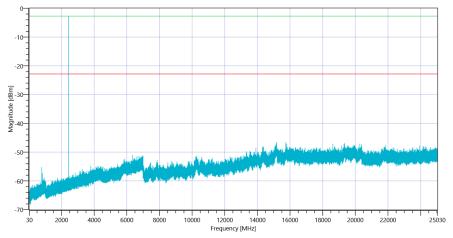
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2402_27112019_091045.png



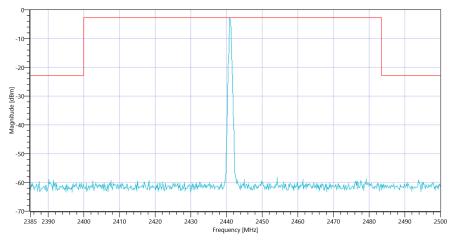
RESULT: BT Classic Connec	ction check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.83 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2440.83 MHz			-2.78	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic Basic rate 2441_27112019_091528.png



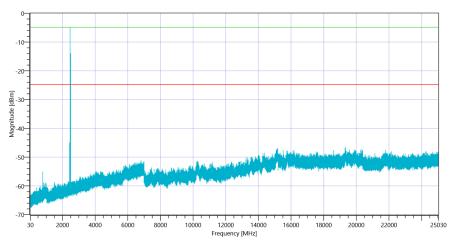
 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced \sim BT\ Classic\ Basic\ rate\ 2441_27112019_091530.png$



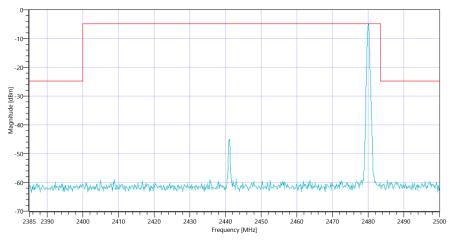
RESULT: BT Classic Connec	tion check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.49 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz			-4.77	dBm	Information
No peaks detected					PASS



 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced \sim BT\ Classic\ Basic\ rate\ 2480_27112019_092013.png$



 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced \sim BT\ Classic\ Basic\ rate\ 2480_27112019_092016.png$

TEST FINISHED		
General Verdict	27.11.2019 09:20:17 / RT: 865 s	PASS



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

Test References	
TC Start	27.11.2019 09:28:08
System Version	1.0.0.24
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
Class / TC Version / TC ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR Pi/4DQPSK
Add Information	

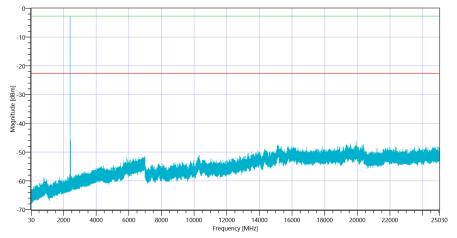
Test Parameter	
Technology to test	BT Classic EDR Pi/4DQPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60



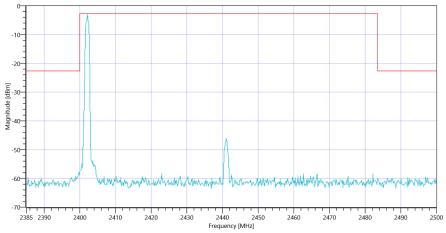
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.70 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.17 MHz			-2.69	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2402_27112019_093259.png



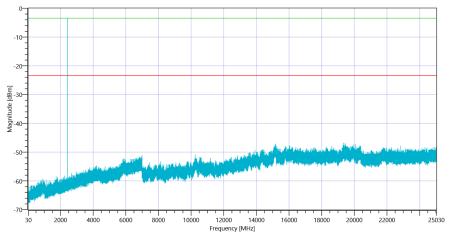
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2402_27112019_093301.png



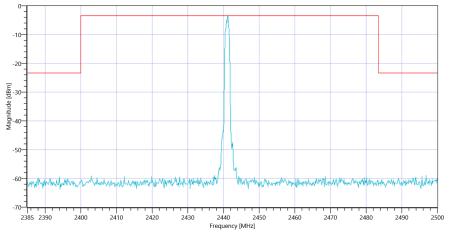
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.08 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.17 MHz			-3.41	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2441_27112019_093744.png



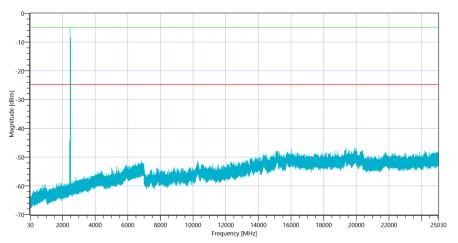
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR Pi-4DQPSK 2441_27112019_093747.png



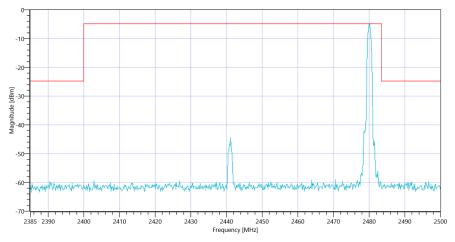
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.44 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.00 MHz			-4.77	dBm	Information
No peaks detected					PASS



 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced\ \sim\ BT\ Classic\ EDR\ Pi-4DQPSK\ 2480_27112019_094230.png$



 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced\ \sim\ BT\ Classic\ EDR\ Pi-4DQPSK\ 2480_27112019_094233.png$

TEST FINISHED		
General Verdict	27.11.2019 09:42:34 / RT: 866 s	PASS



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

Test References	
TC Start	27.11.2019 09:50:29
System Version	1.0.0.24
Test Specification	FCC Part 15.247
Test Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable.
Class / TC Version / TC ID	TC_VM_FCC15247_TX_Emissions_Conducted_V01 Version: 0.0.1 TCID_FCC15247_8
My Description	FCC 15.247 TX Emissions Conducted FHSS - BT Classic EDR 8DPSK
Add Information	

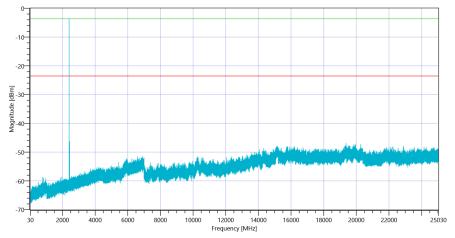
Test Parameter	
Technology to test	BT Classic EDR 8DPSK
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2441
Frequency high to test	True Freq [MHz] 2480
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SigBT: Rohde&Schwarz,CMW,1201.0002k75/100683,3.7.70 SA: Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.60



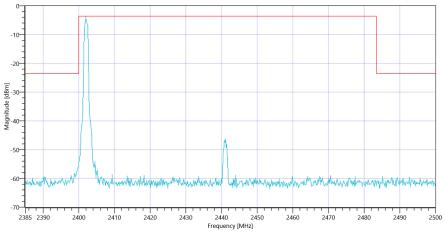
RESULT: BT Classic Connection check						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Connection result				-	TCON	

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.56 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2402.00 MHz			-3.58	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2402_27112019_095521.png



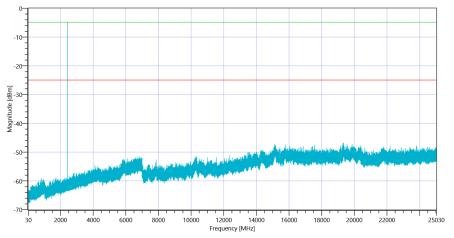
Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2402_27112019_095523.png



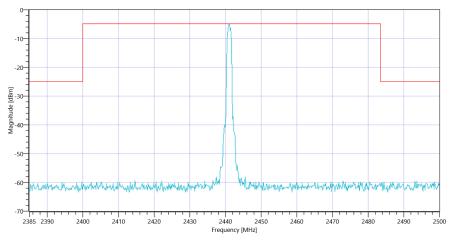
RESULT: BT Classic Connec	ction check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.67 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2441.00 MHz			-4.91	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2441_27112019_100007.png



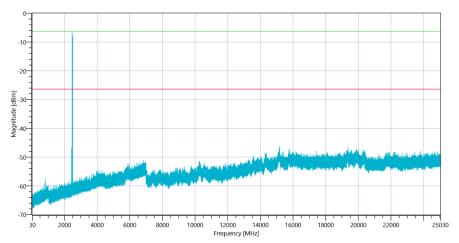
 $Plot_FCC\ Part\ 15.247\ TX\ Spurious\ Conduced \sim BT\ Classic\ EDR\ 8DPSK\ 2441_27112019_100009.png$



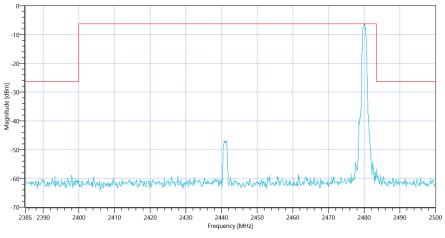
RESULT: BT Classic Connec	ction check				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Connection result				-	TCON

READ SA SETTINGS:		
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.39 0 20	
Start [MHz] Stop [MHz]	24530.000 25030.000	
RBW [MHz] VBW [MHz]	0.100000 0.300000	
Detector TraceMode	POS MAXH	
Sweep: Time [ms] Count Points per Section Type	500 8 3001 SWE	

RESULT: TC_VM_FCC15247_TX_Emissions_Conducted_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Reference @ 2480.17 MHz			-6.31	dBm	Information
No peaks detected					PASS



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2480_27112019_100454.png



Plot_FCC Part 15.247 TX Spurious Conduced ~ BT Classic EDR 8DPSK 2480_27112019_100456.png

TEST FINISHED		
General Verdict	27.11.2019 10:04:58 / RT: 869 s	PASS



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