

Measurement Results

1-8503/19-01-09_log1_conducted

[Test logging](#)

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Document authorized:

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	Ingenico Group
Type	Xtra module
Serial No. Setup No.	190682203011067808006807 1.0
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	0 20 40
Vlow Vmid Vhigh [V] @Imax [A]	5 5 5 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

IUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No

1. Peak OP 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:37:02
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

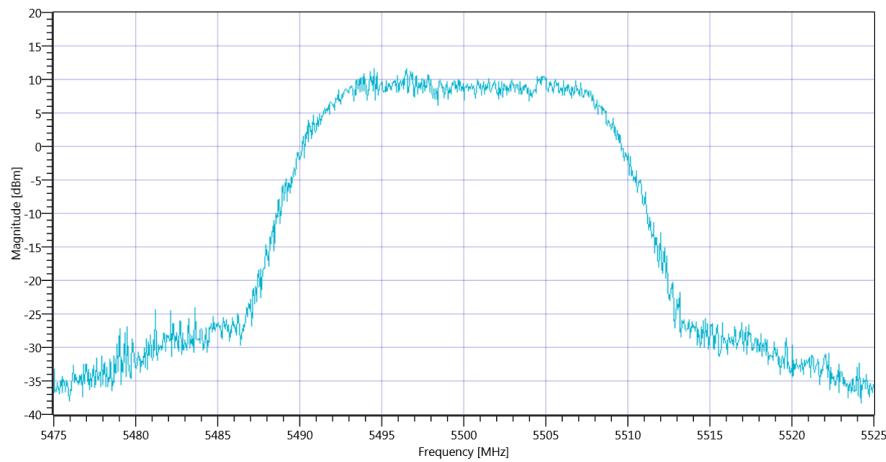
Test at TX 5500 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.72 11.3 25
Start [MHz] Stop [MHz]	5475.000 5525.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	11.62	dBm	Information
Peak Power	--	--	14.521116	mW	Information
Frequency at Peak	--	--	5494.555	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C_20112019_133725.png

TEST FINISHED

General Verdict

20.11.2019 13:37:25 / RT: 22 s

PASS

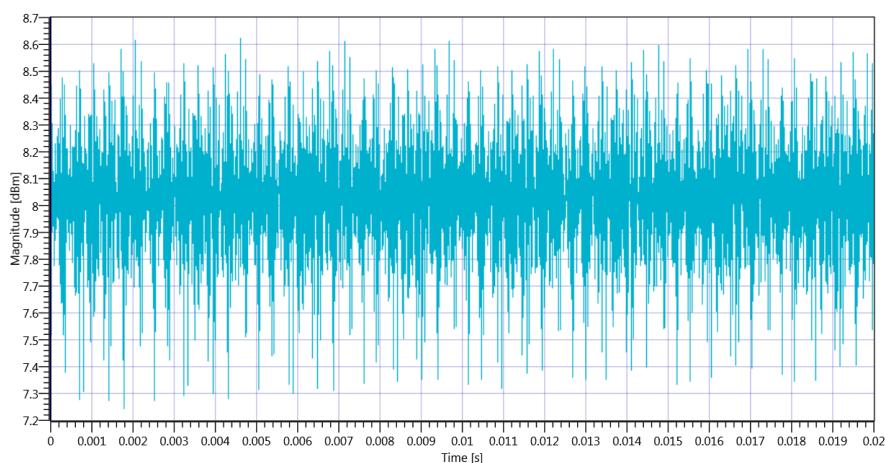
2. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:37:30
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

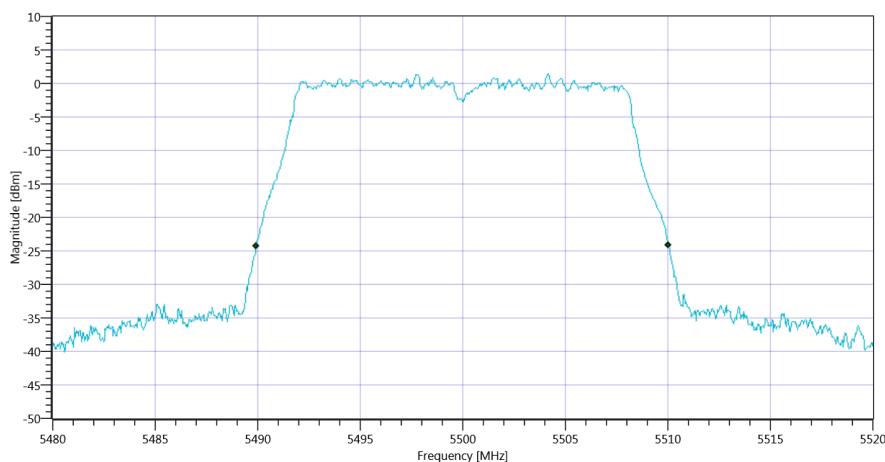
Test at TX 5500 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5500 MHz - Duty Cycle_20112019_133743.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.12	MHz	Information
T1 26dB	--	--	5489.9200	MHz	Information
T2 26dB	--	--	5510.0400	MHz	Information

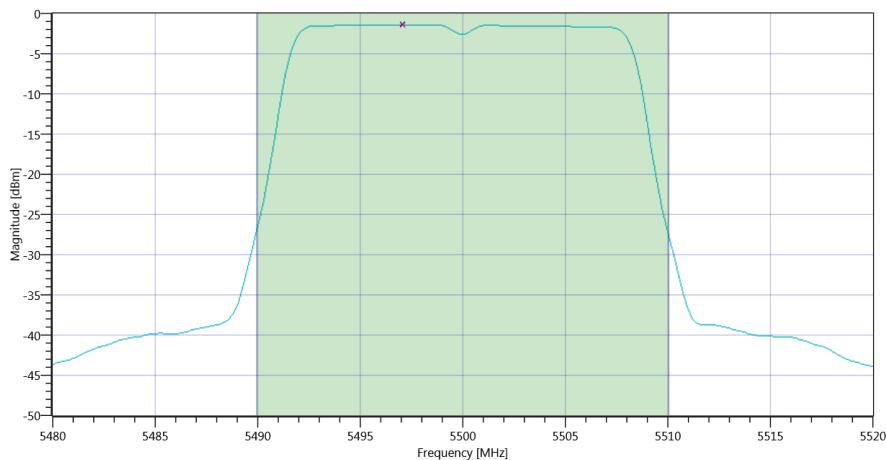


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_133751.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.46 11.3 25
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	10.32	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	10.32	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.04	10.32	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_133806.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-1.42	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-1.42	dBm/1MHz	PASS

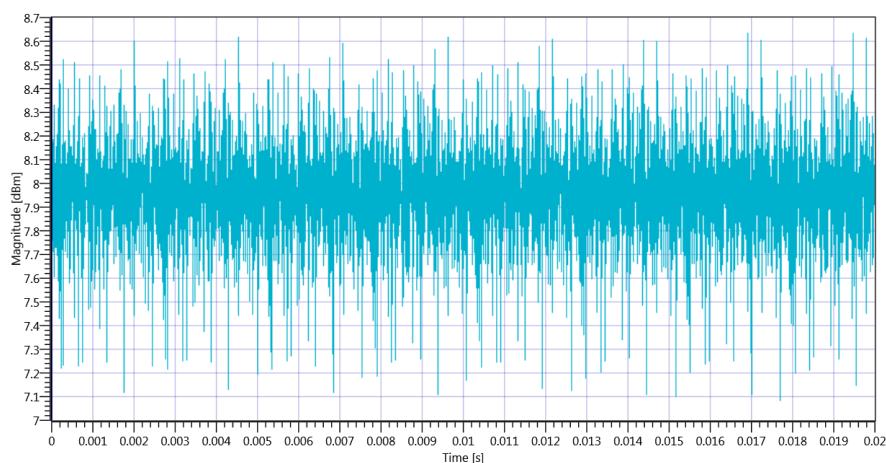
TEST FINISHED		
General Verdict	20.11.2019 13:38:07 / RT: 36 s	PASS

3. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:38:11
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

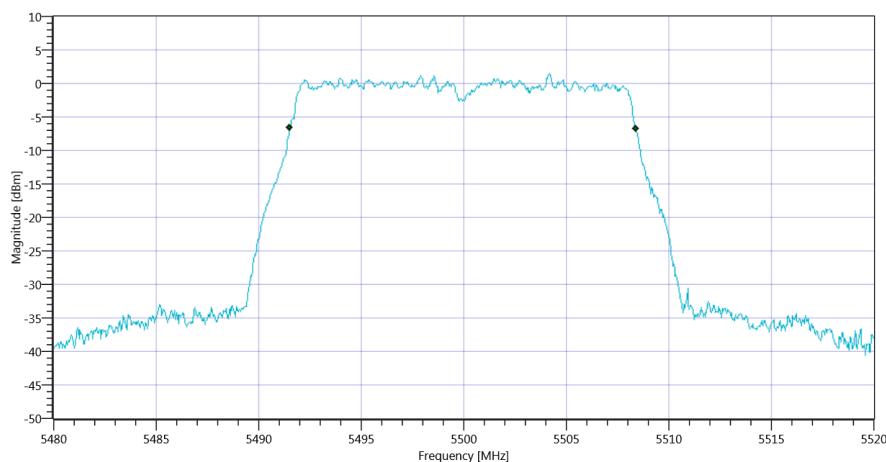
Test at TX 5500 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5500 MHz - Duty Cycle_20112019_133824.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.863	MHz	Information
T1 99%	--	--	5491.5285	MHz	Information
T2 99%	--	--	5508.3916	MHz	Information

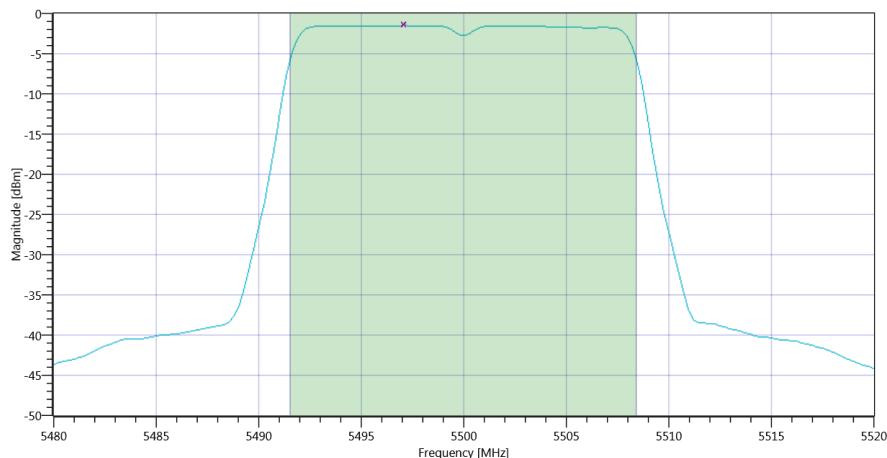


Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_133831.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.39 11.3 25
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	10.17	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	10.17	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.27	10.17	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_133847.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-1.51	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-1.51	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 13:38:48 / RT: 36 s	PASS

4. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:38:52
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

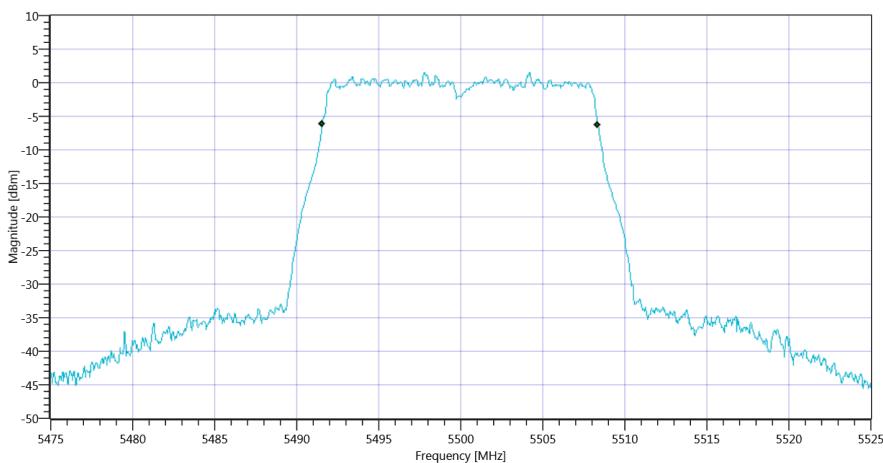
Test at TX 5500 MHz

READ SA SETTINGS:

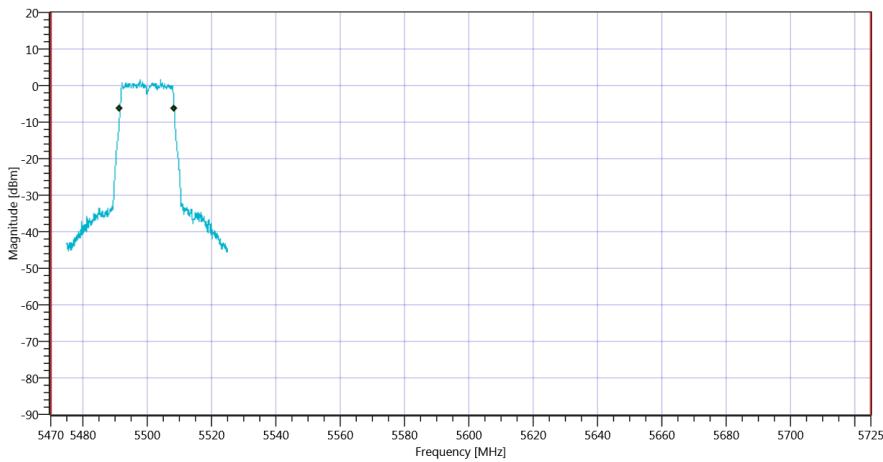
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.31 11.3 20
Start [MHz] Stop [MHz]	5475.000 5525.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.783	MHz	Information
T1 99%	5470.000000	--	5491.5584	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.3417	MHz	



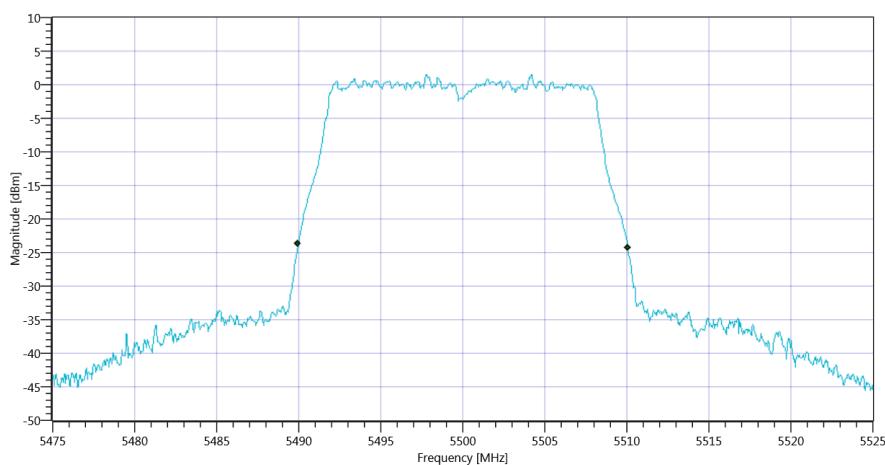
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT_20112019_133909.png



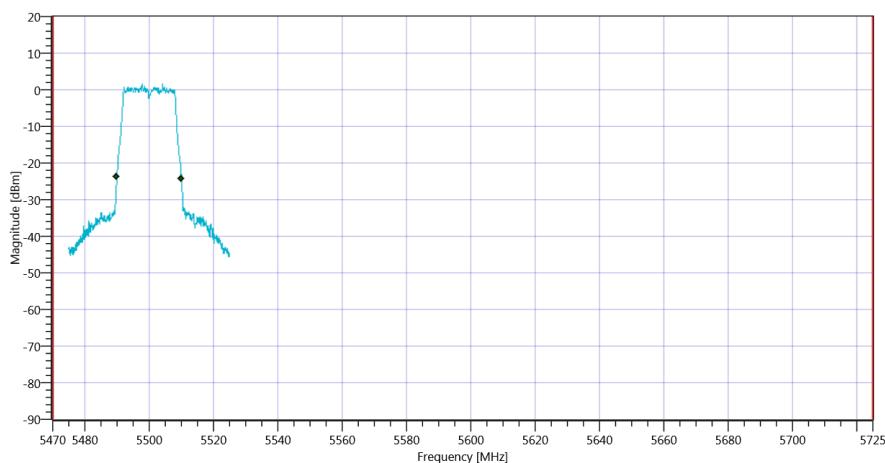
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C_20112019_133912.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.1	MHz	Information
T1 26dB	5470.000000	--	5489.9500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5510.0500	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB_20112019_133916.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C_20112019_133919.png

TEST FINISHED

General Verdict

20.11.2019 13:39:19 / RT: 27 s

PASS

5. Peak OP 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:40:34
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

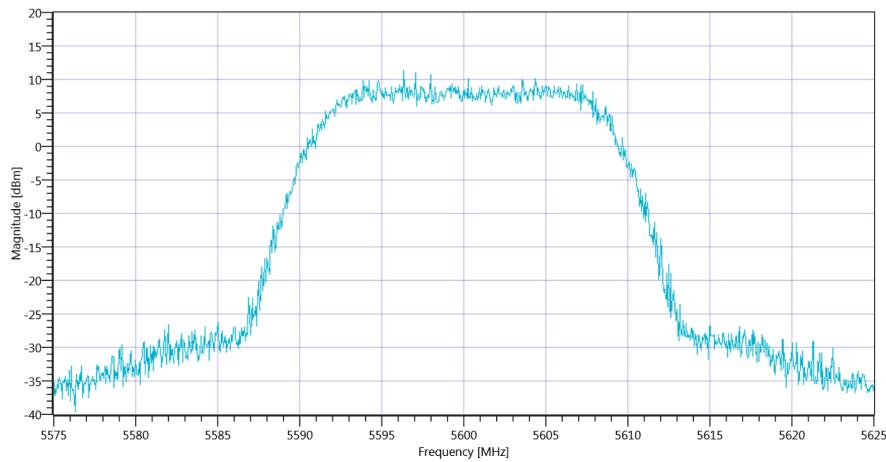
Test at TX 5600 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.28 11.5 25
Start [MHz] Stop [MHz]	5575.000 5625.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	11.28	dBm	Information
Peak Power	--	--	13.42765	mW	Information
Frequency at Peak	--	--	5596.354	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C_20112019_134047.png

TEST FINISHED

General Verdict

20.11.2019 13:40:47 / RT: 12 s

PASS

6. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References

TC Start	20.11.2019 13:40:51
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

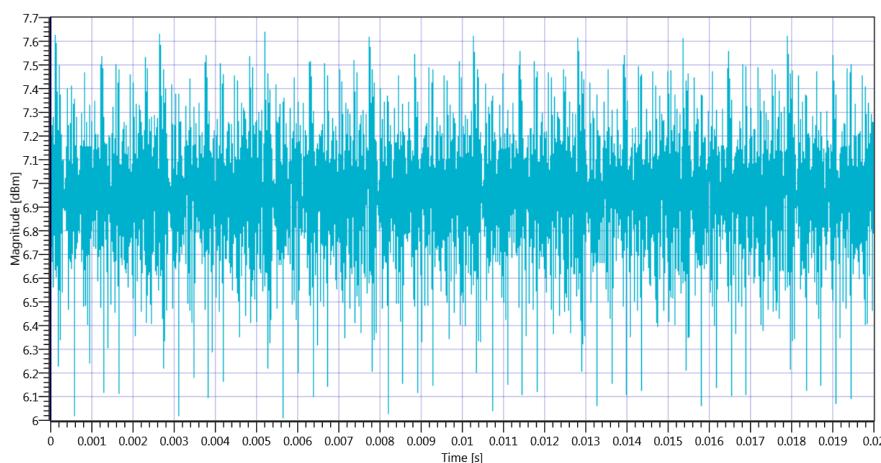
Test Parameter

Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5600 MHz

RESULT: Duty Cycle evaluation

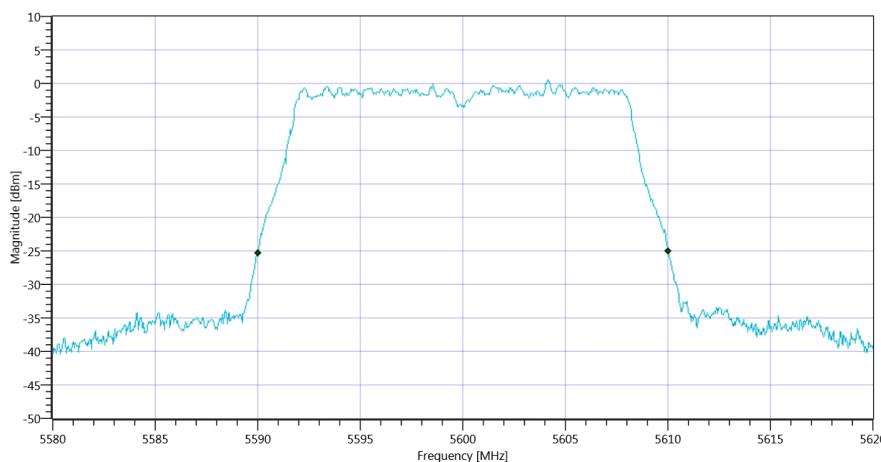
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5600 MHz - Duty Cycle_20112019_134104.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20	MHz	Information
T1 26dB	--	--	5590.0000	MHz	Information
T2 26dB	--	--	5610.0000	MHz	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_134111.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

17.61 | 11.5 | 25

Start [MHz] | Stop [MHz]

5580.000 | 5620.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

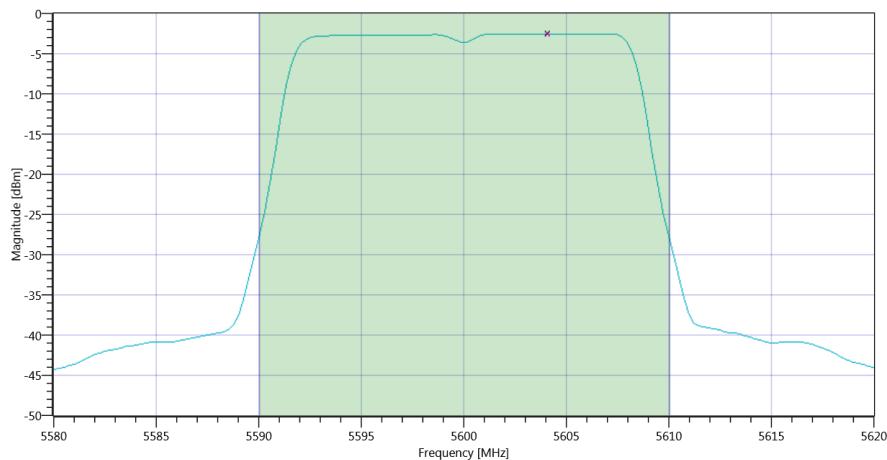
Detector | TraceMode

RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.23	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.23	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.01	9.23	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_134127.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-2.52	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-2.52	dBm/1MHz	PASS

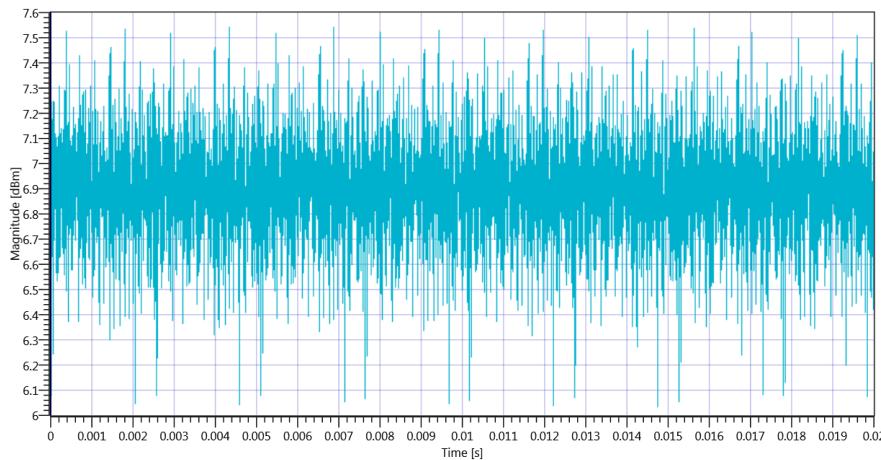
TEST FINISHED		
General Verdict	20.11.2019 13:41:28 / RT: 36 s	PASS

7. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:41:31
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

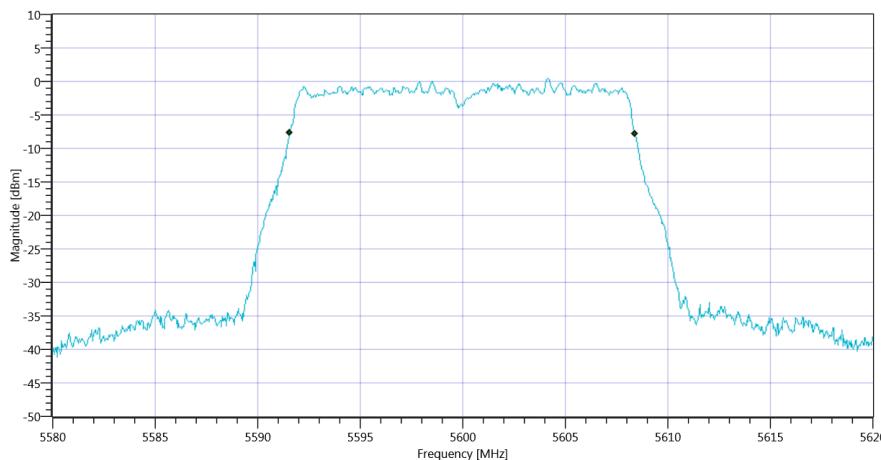
Test at TX 5600 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5600 MHz - Duty Cycle_20112019_134144.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.823	MHz	Information
T1 99%	--	--	5591.5684	MHz	Information
T2 99%	--	--	5608.3916	MHz	Information

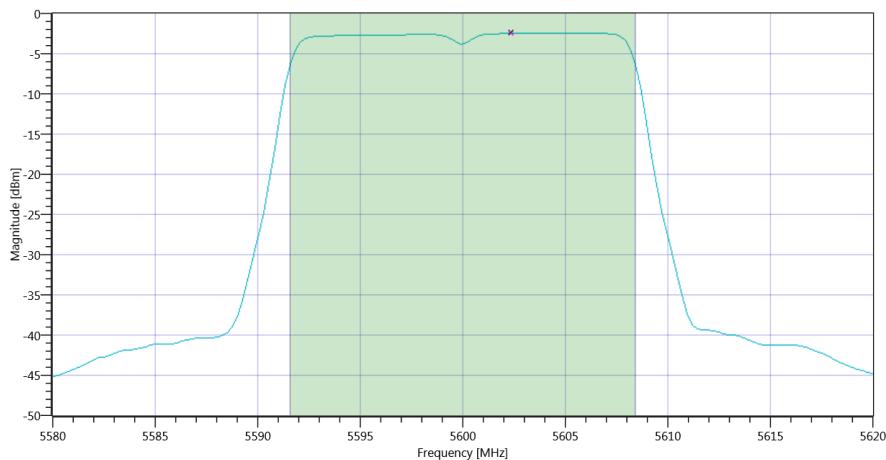


Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_134152.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.30 11.5 20
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.18	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.18	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.26	9.18	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_134208.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-2.49	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-2.49	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 13:42:08 / RT: 36 s	PASS

8. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:42:12
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

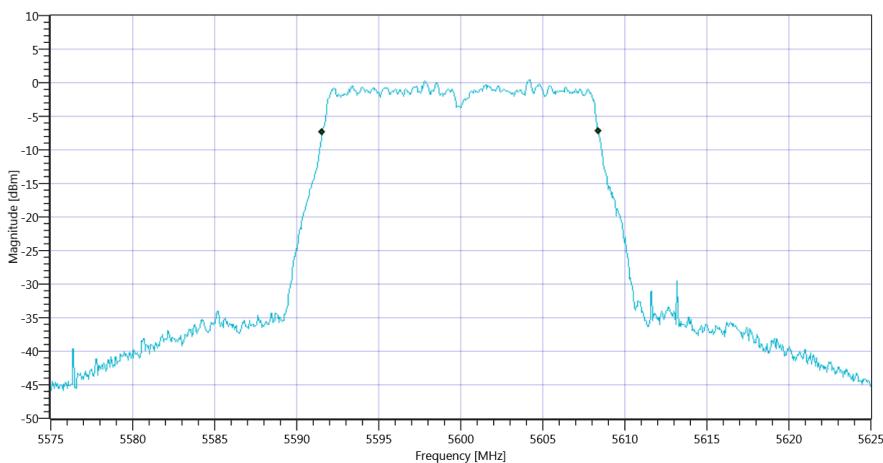
Test at TX 5600 MHz

READ SA SETTINGS:

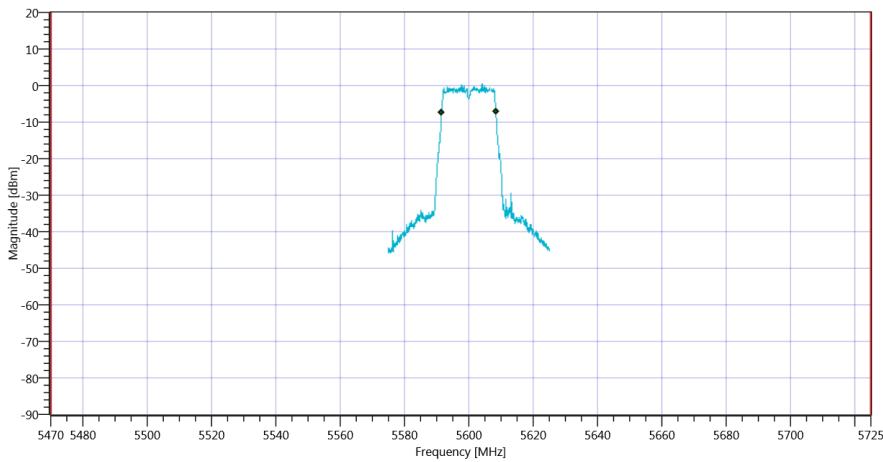
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.52 11.5 20
Start [MHz] Stop [MHz]	5575.000 5625.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.833	MHz	Information
T1 99%	5470.000000	--	5591.5584	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.3916	MHz	



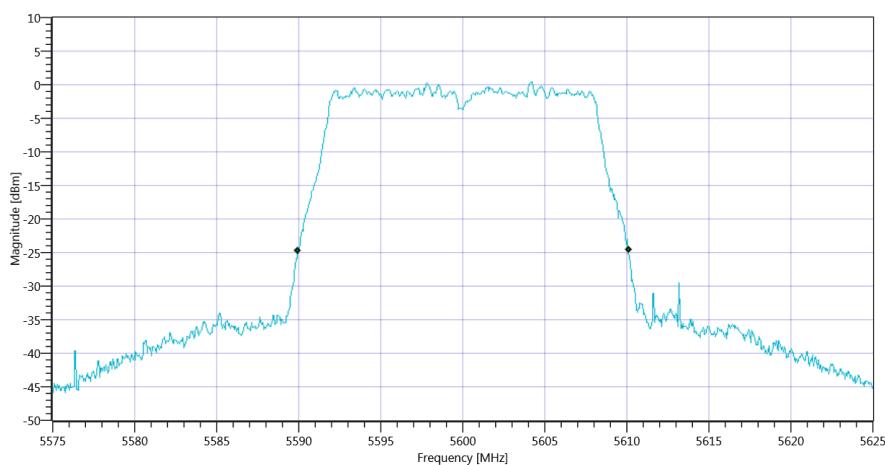
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT_20112019_134230.png



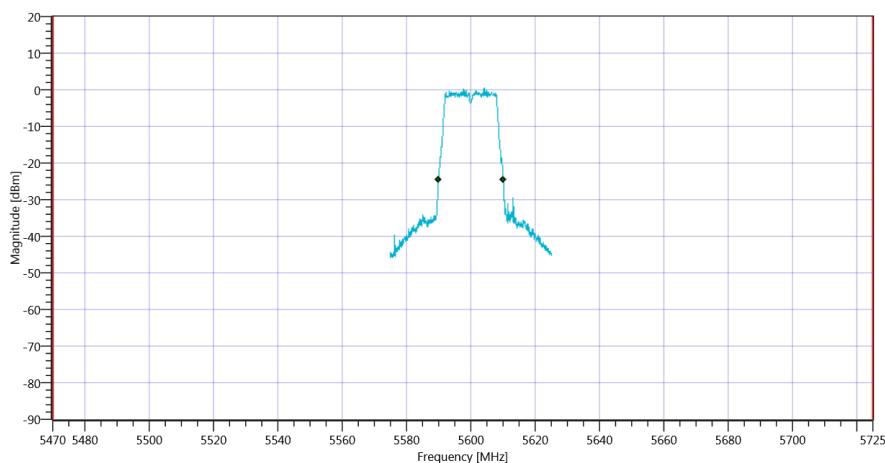
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C_20112019_134233.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.15	MHz	Information
T1 26dB	5470.000000	--	5589.9500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5610.1000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB_20112019_134237.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C_20112019_134240.png

TEST FINISHED

General Verdict

20.11.2019 13:42:40 / RT: 27 s

PASS

9. Peak OP 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 14:05:53
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

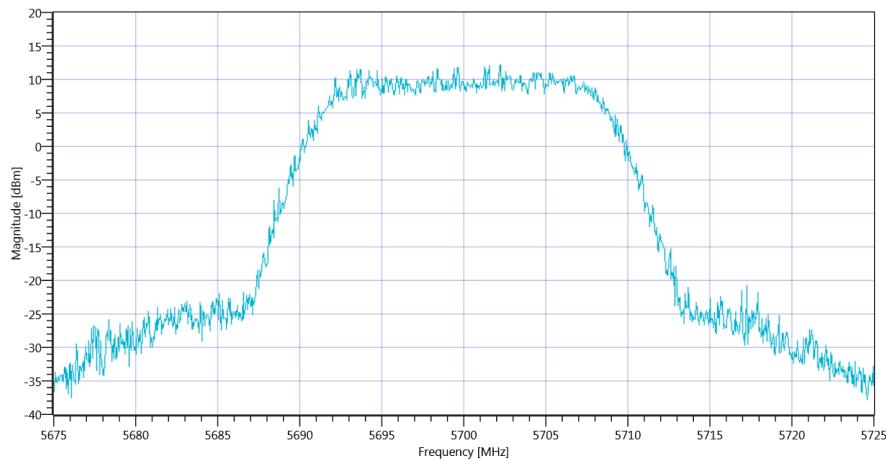
Test at TX 5700 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.00 11.74 25
Start [MHz] Stop [MHz]	5675.000 5725.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	12.21	dBm	Information
Peak Power	--	--	16.634127	mW	Information
Frequency at Peak	--	--	5702.248	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C_20112019_140606.png

TEST FINISHED

General Verdict

20.11.2019 14:06:06 / RT: 13 s

PASS

10. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References

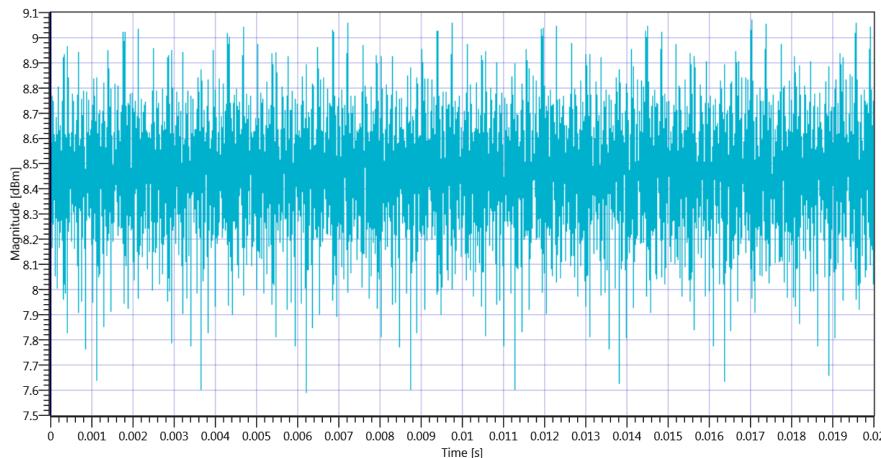
TC Start	20.11.2019 14:06:10
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

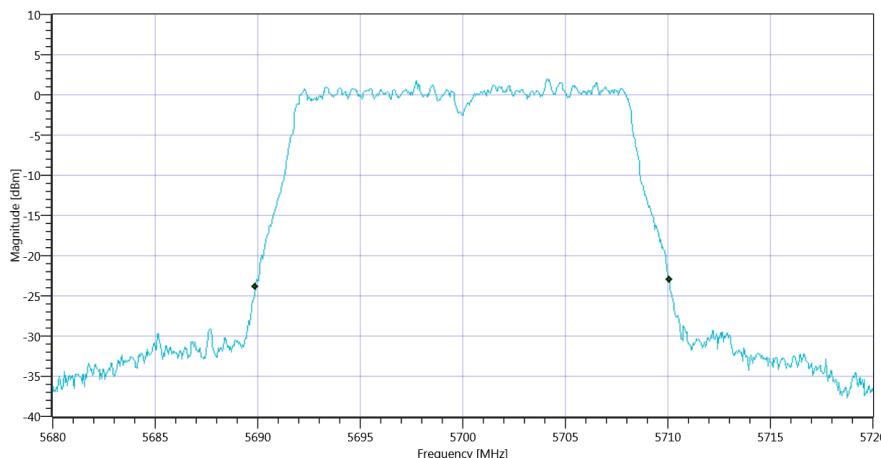
Test at TX 5700 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5700 MHz - Duty Cycle_20112019_140623.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.2	MHz	Information
T1 26dB	--	--	5689.8800	MHz	Information
T2 26dB	--	--	5710.0800	MHz	Information

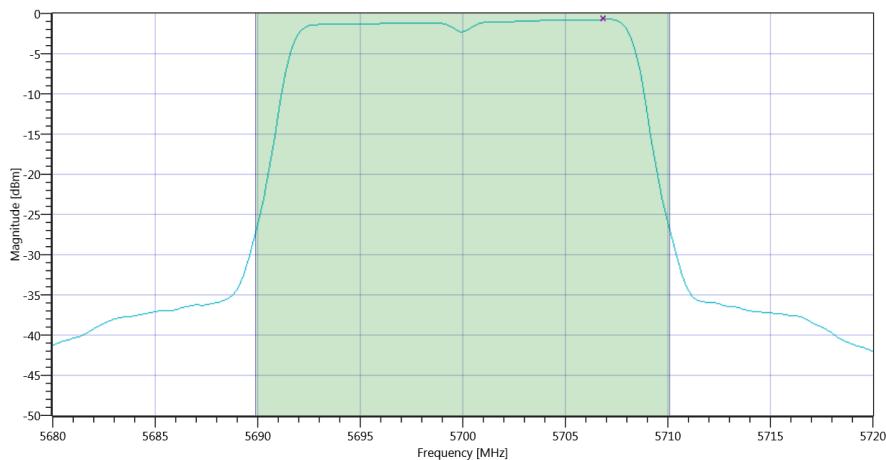


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_140630.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.39 11.74 25
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	10.78	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	10.78	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.05	10.78	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_140646.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-0.73	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-0.73	dBm/1MHz	PASS

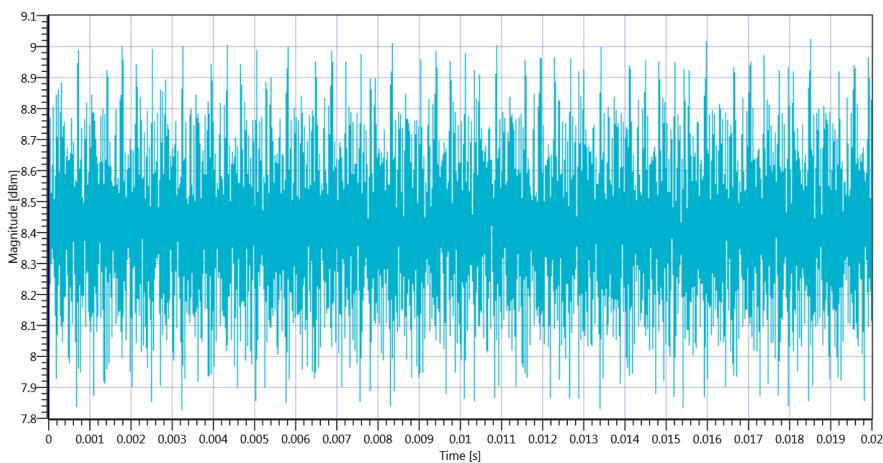
TEST FINISHED		
General Verdict	20.11.2019 14:06:46 / RT: 36 s	PASS

11. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 14:06:50
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

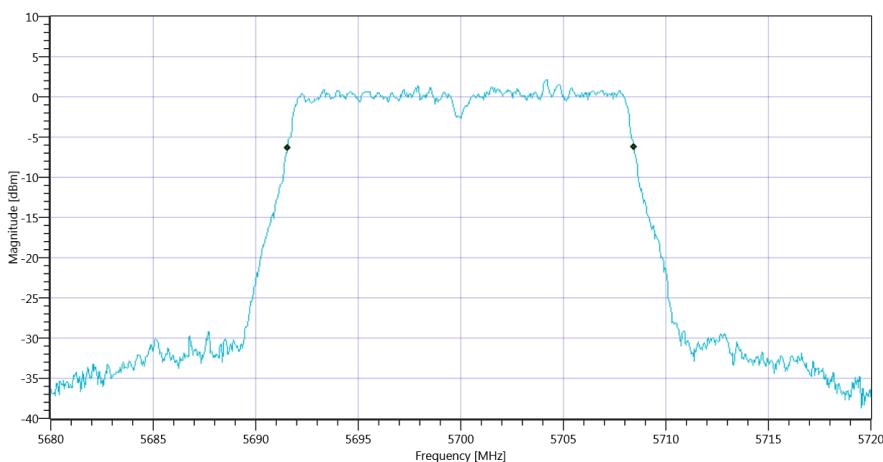
Test at TX 5700 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5700 MHz - Duty Cycle_20112019_140703.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.863	MHz	Information
T1 99%	--	--	5691.5684	MHz	Information
T2 99%	--	--	5708.4316	MHz	Information

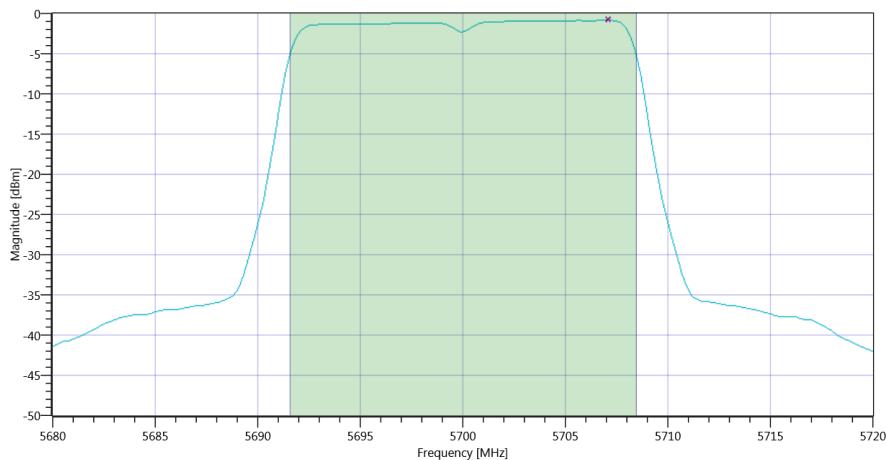


Plot_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW_20112019_140711.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.93 11.74 25
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	10.68	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	10.68	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.27	10.68	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD_20112019_140727.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-0.84	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-0.84	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:07:27 / RT: 37 s	PASS

12. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 14:07:31
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx a mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

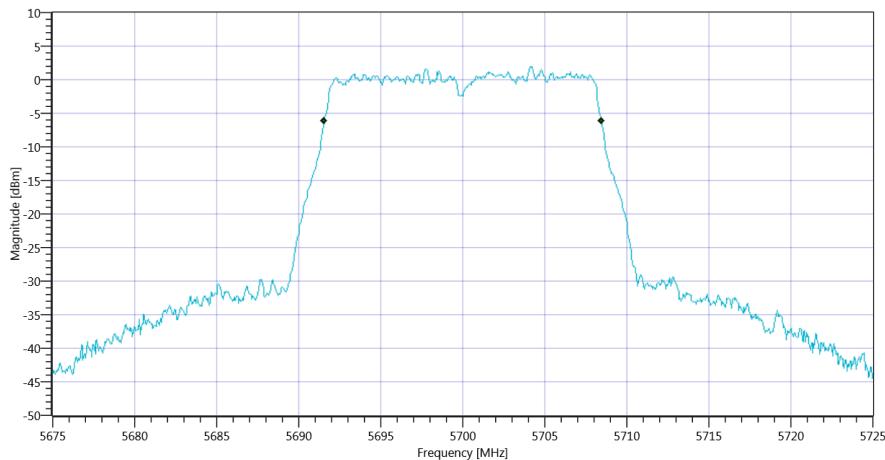
Test at TX 5700 MHz

READ SA SETTINGS:

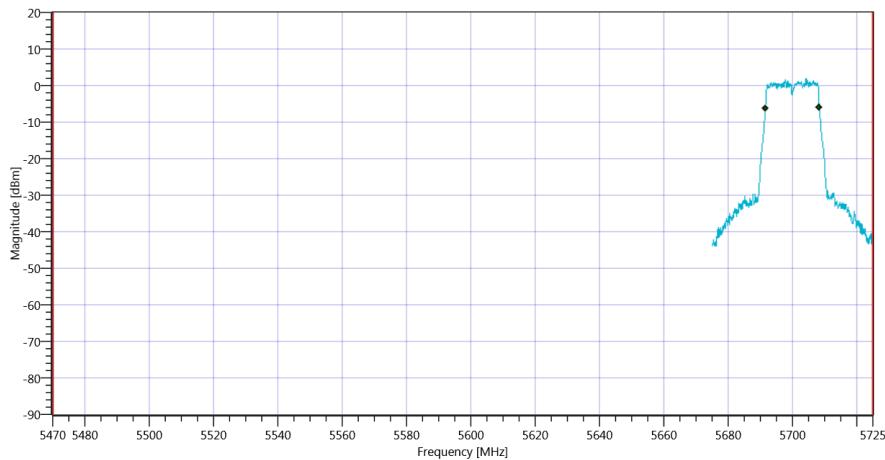
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.94 11.74 20
Start [MHz] Stop [MHz]	5675.000 5725.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	16.883	MHz	Information
T1 99%	5470.000000	--	5691.5584	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.4416	MHz	



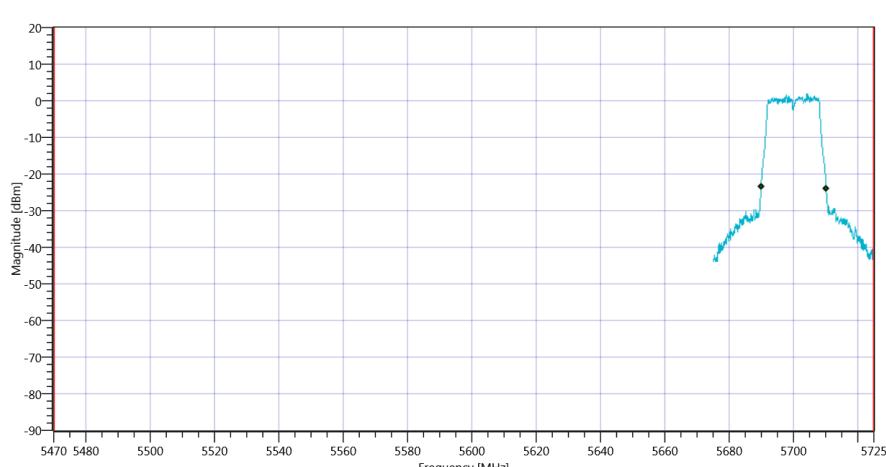
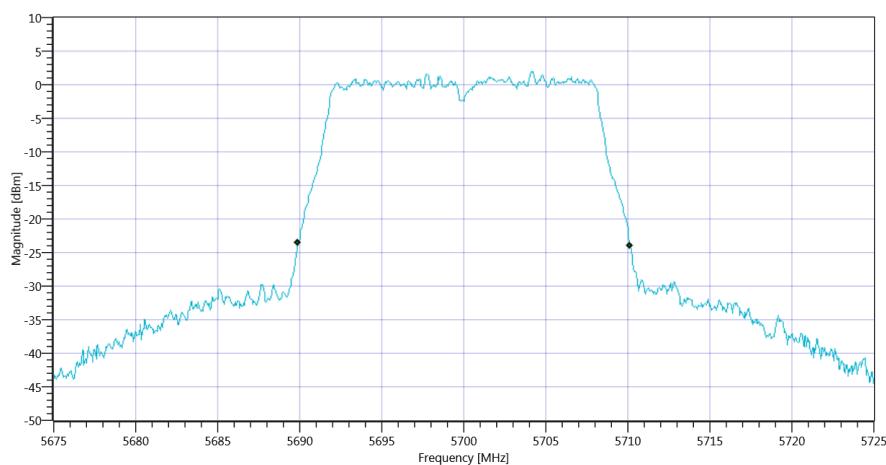
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT_20112019_140749.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C_20112019_140752.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.25	MHz	Information
T1 26dB	5470.000000	--	5689.9000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5710.1500	MHz	



TEST FINISHED

General Verdict

20.11.2019 14:07:59 / RT: 27 s

PASS

13. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:10:49
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

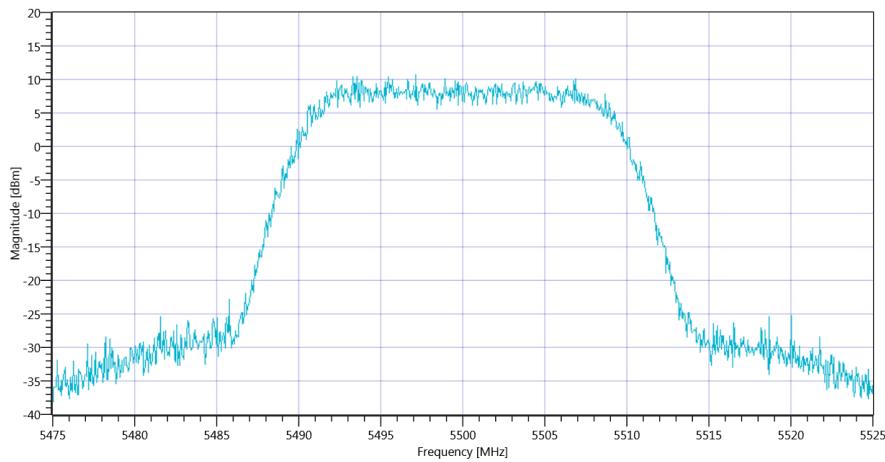
Test at TX 5500 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.42 11.3 25
Start [MHz] Stop [MHz]	5475.000 5525.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	10.64	dBm	Information
Peak Power	--	--	11.587774	mW	Information
Frequency at Peak	--	--	5497.153	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141102.png

TEST FINISHED

General Verdict

20.11.2019 14:11:02 / RT: 13 s

PASS

14. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

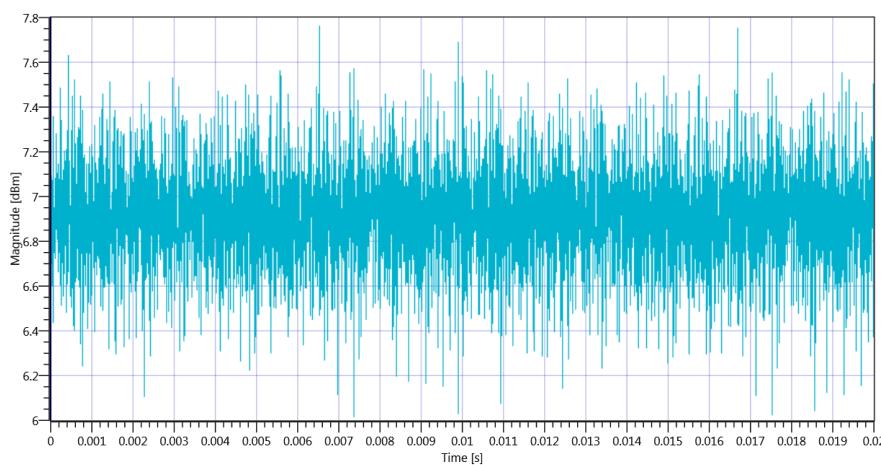
TC Start	20.11.2019 14:11:06
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

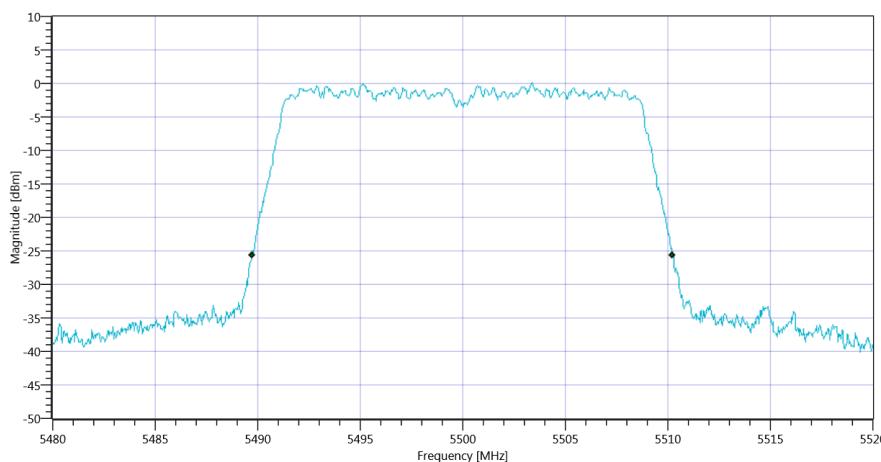
Test at TX 5500 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5500 MHz - Duty Cycle_20112019_141119.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.52	MHz	Information
T1 26dB	--	--	5489.7200	MHz	Information
T2 26dB	--	--	5510.2400	MHz	Information

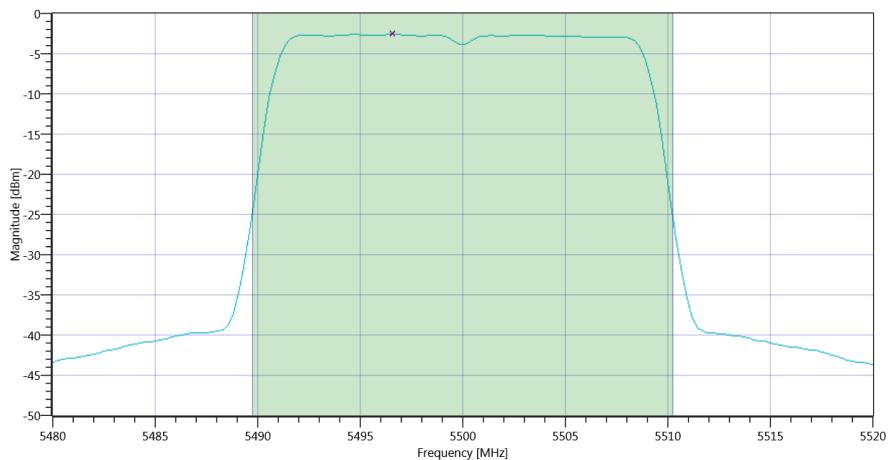


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_141127.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.36 11.3 25
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.41	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.41	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.12	9.41	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_141142.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-2.61	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-2.61	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:11:43 / RT: 37 s	PASS

15. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

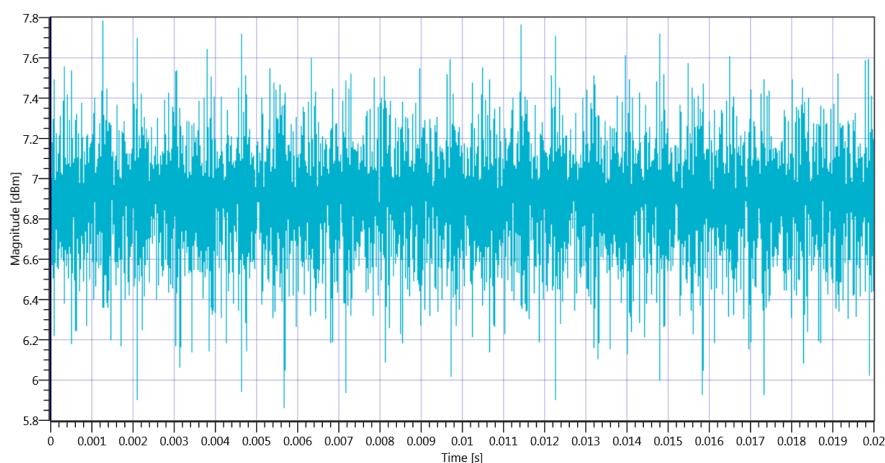
TC Start	20.11.2019 14:11:47
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

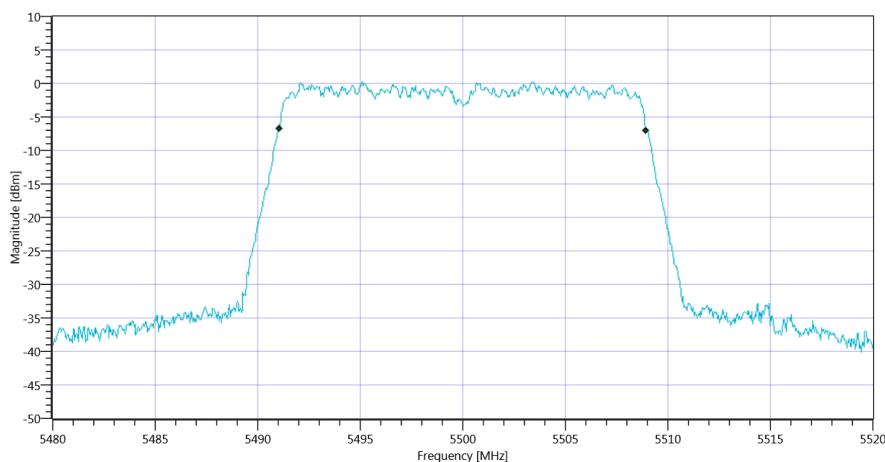
Test at TX 5500 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5500 MHz - Duty Cycle_20112019_141200.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.902	MHz	Information
T1 99%	--	--	5491.0490	MHz	Information
T2 99%	--	--	5508.9510	MHz	Information

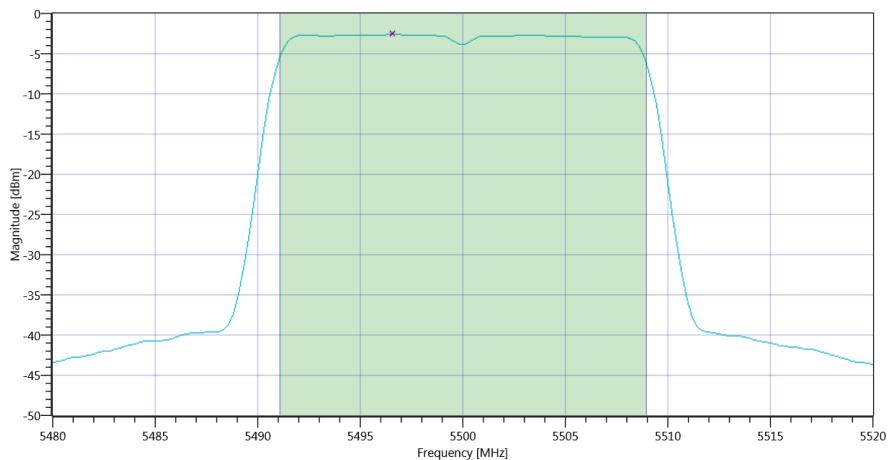


Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_141208.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.39 11.3 25
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.32	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.32	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.53	9.32	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_141223.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-2.63	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-2.63	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:12:24 / RT: 37 s	PASS

16. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

TC Start	20.11.2019 14:12:28
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

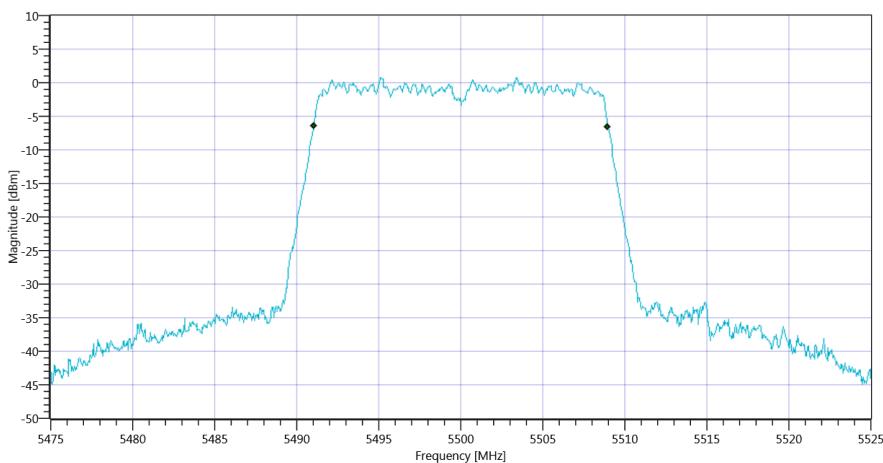
Test at TX 5500 MHz

READ SA SETTINGS:

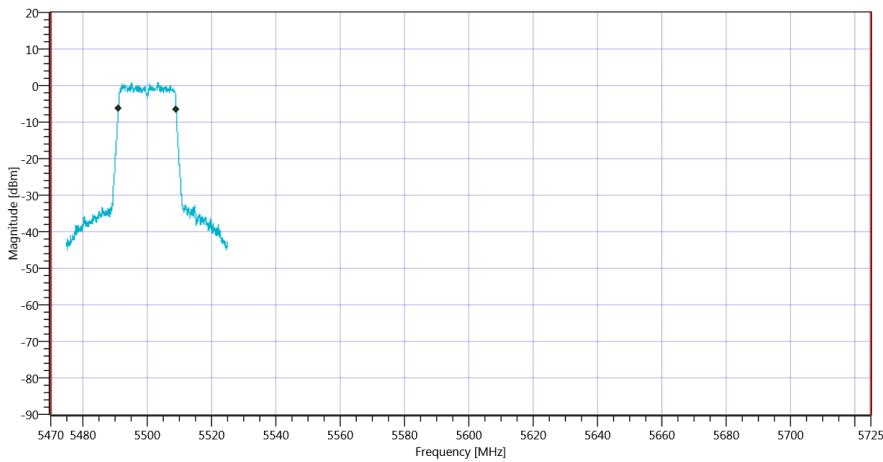
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.86 11.3 20
Start [MHz] Stop [MHz]	5475.000 5525.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.882	MHz	Information
T1 99%	5470.000000	--	5491.0589	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.9411	MHz	



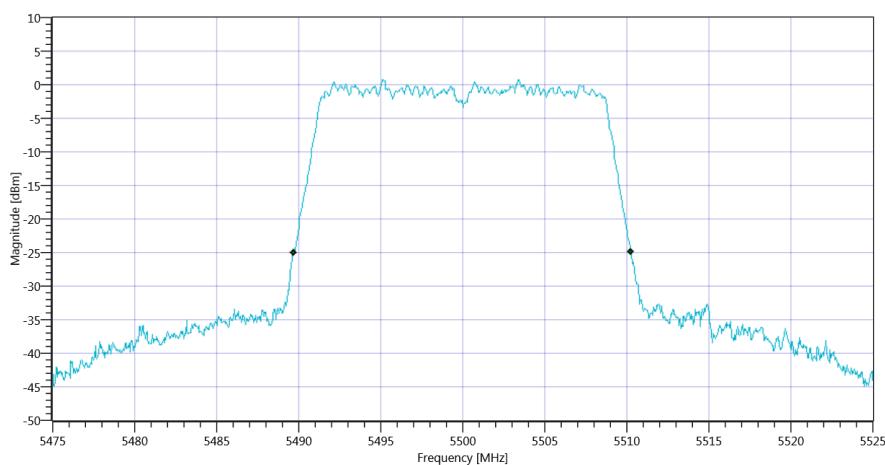
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT_20112019_141246.png



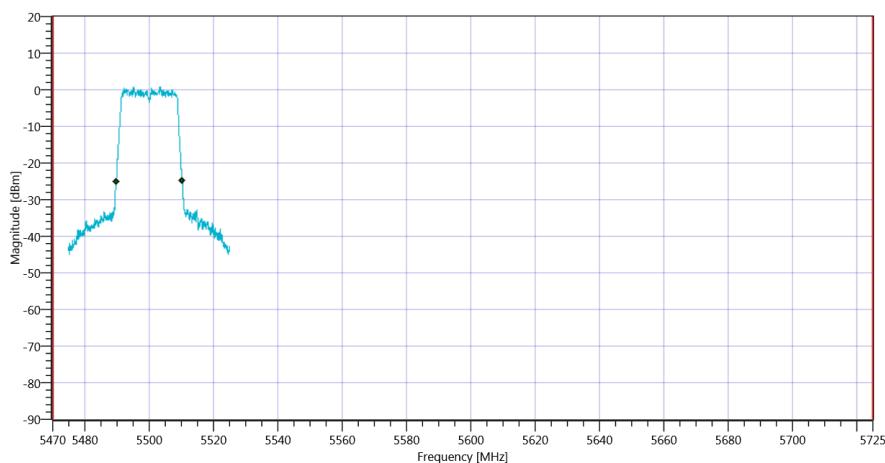
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141249.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.55	MHz	Information
T1 26dB	5470.000000	--	5489.7000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5510.2500	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB_20112019_141252.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141255.png

TEST FINISHED

General Verdict

20.11.2019 14:12:56 / RT: 27 s

PASS

17. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:13:35
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

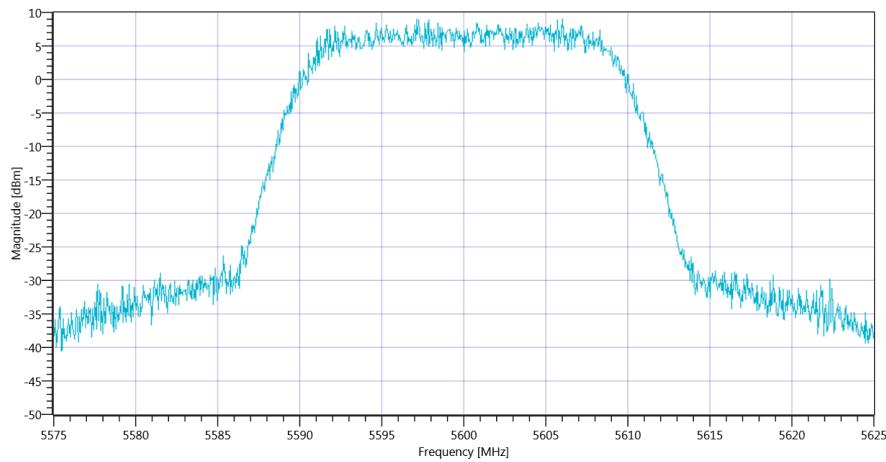
Test at TX 5600 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.94 11.5 20
Start [MHz] Stop [MHz]	5575.000 5625.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	8.97	dBm	Information
Peak Power	--	--	7.888601	mW	Information
Frequency at Peak	--	--	5605.994	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141348.png

TEST FINISHED

General Verdict

20.11.2019 14:13:48 / RT: 13 s

PASS

18. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

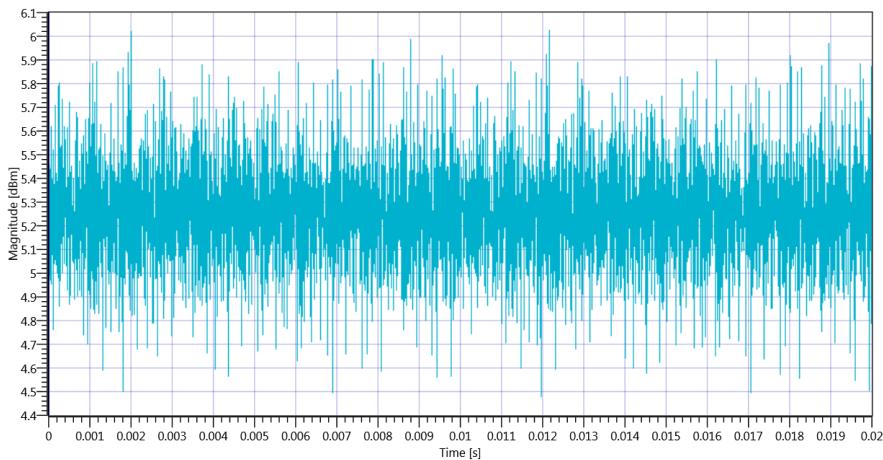
TC Start	20.11.2019 14:13:52
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

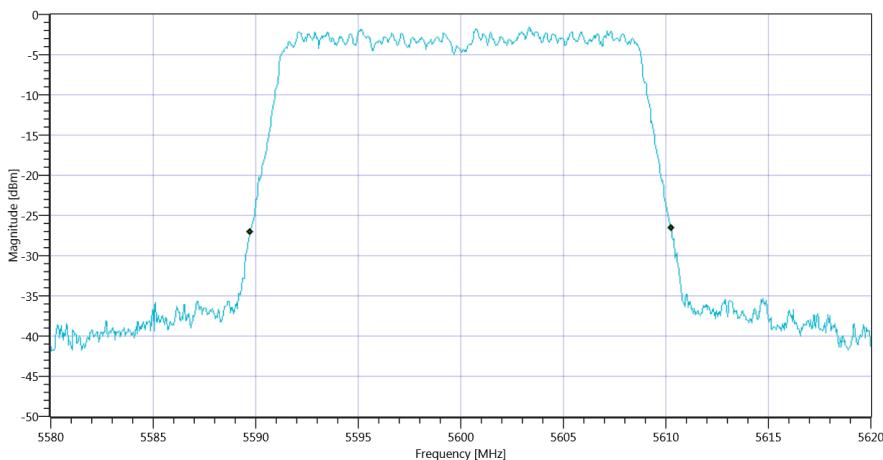
Test at TX 5600 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5600 MHz - Duty Cycle_20112019_141405.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.56	MHz	Information
T1 26dB	--	--	5589.7200	MHz	Information
T2 26dB	--	--	5610.2800	MHz	Information

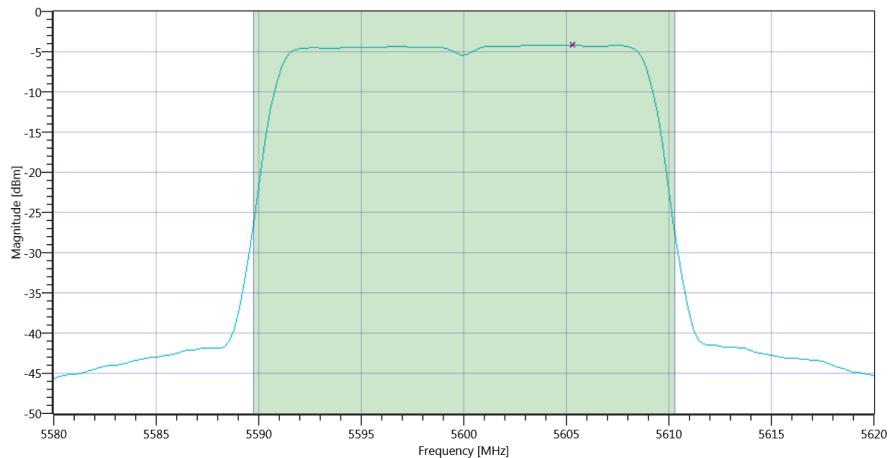


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_141413.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.92 11.5 20
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	7.8	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	7.8	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.13	7.8	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_141429.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-4.22	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-4.22	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:14:29 / RT: 37 s	PASS

19. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

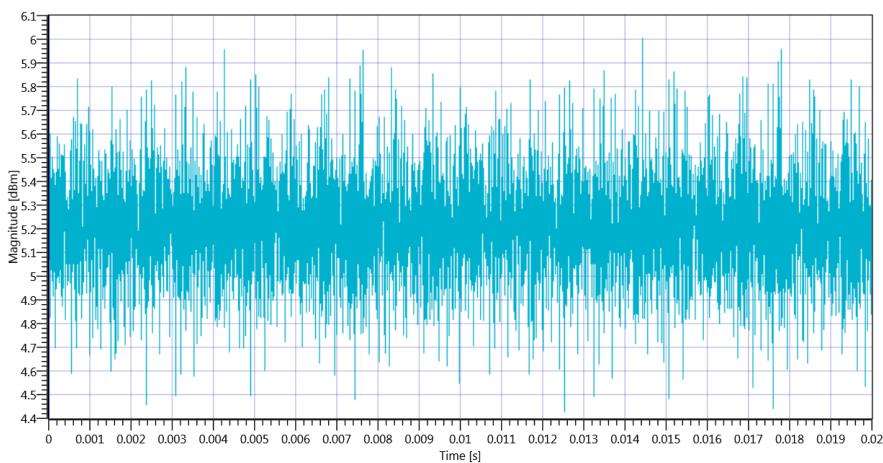
TC Start	20.11.2019 14:14:33
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

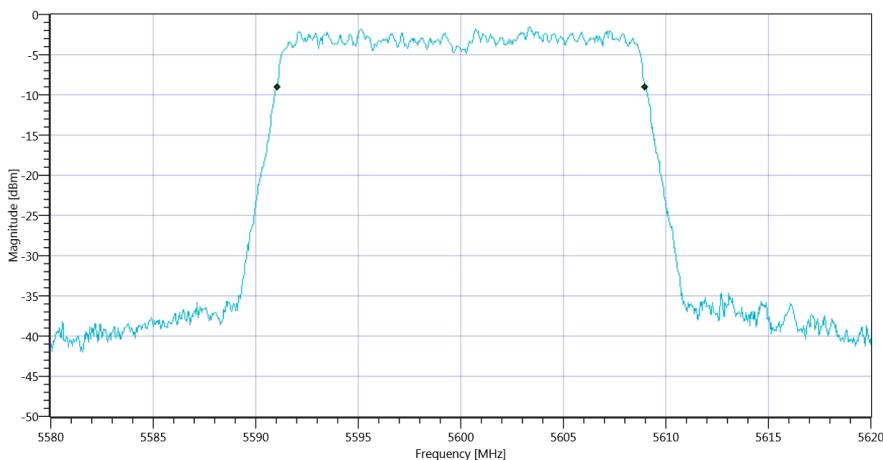
Test at TX 5600 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5600 MHz - Duty Cycle_20112019_141446.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.942	MHz	Information
T1 99%	--	--	5591.0490	MHz	Information
T2 99%	--	--	5608.9910	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_141454.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

15.89 | 11.5 | 20

Start [MHz] | Stop [MHz]

5580.000 | 5620.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

Detector | TraceMode

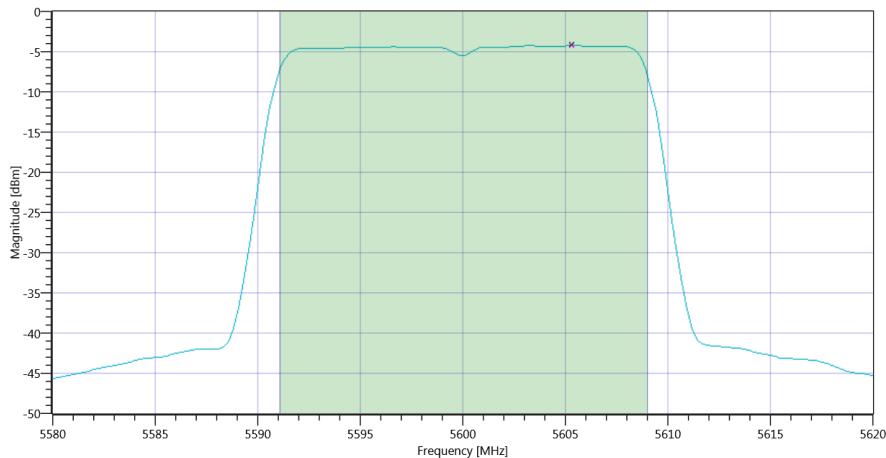
RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	7.69	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	7.69	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.54	7.69	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_141510.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-4.25	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-4.25	dBm/1MHz	PASS

TEST FINISHED

General Verdict

20.11.2019 14:15:11 / RT: 37 s

PASS

20. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

TC Start	20.11.2019 14:15:15
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

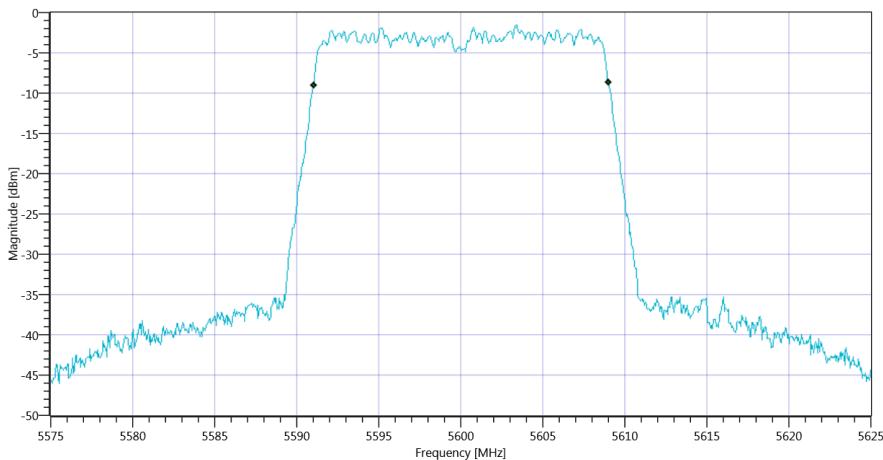
Test at TX 5600 MHz

READ SA SETTINGS:

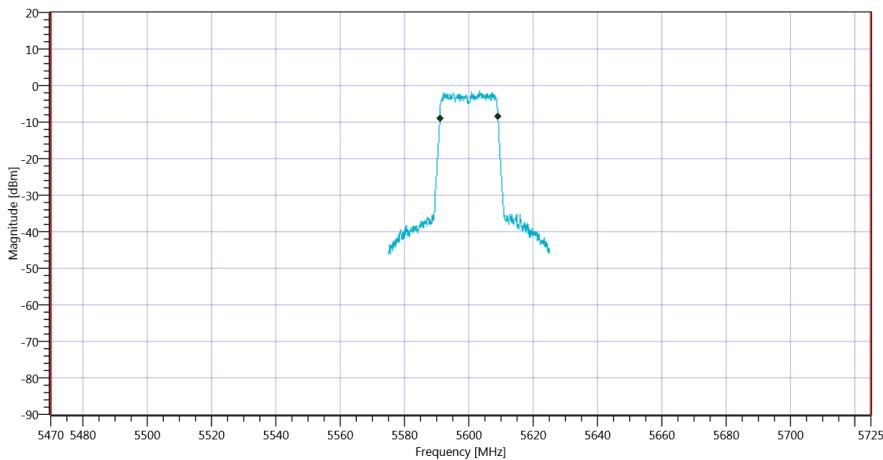
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.75 11.5 20
Start [MHz] Stop [MHz]	5575.000 5625.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.932	MHz	Information
T1 99%	5470.000000	--	5591.0589	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.9910	MHz	



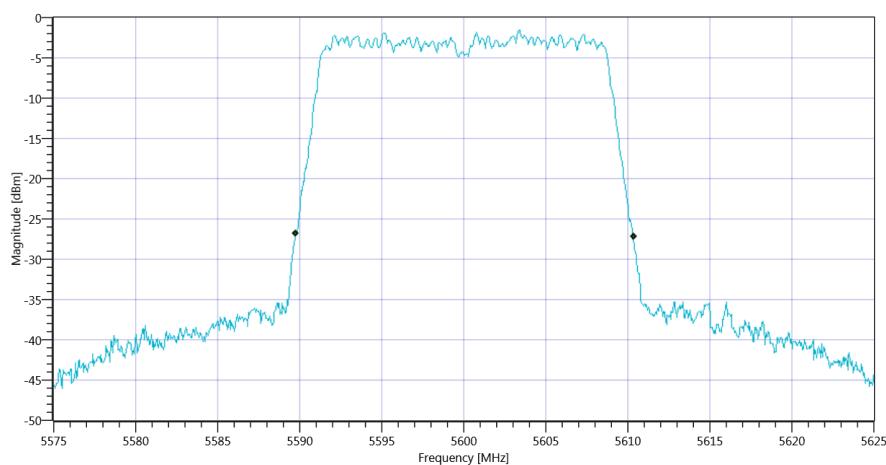
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT_20112019_141533.png



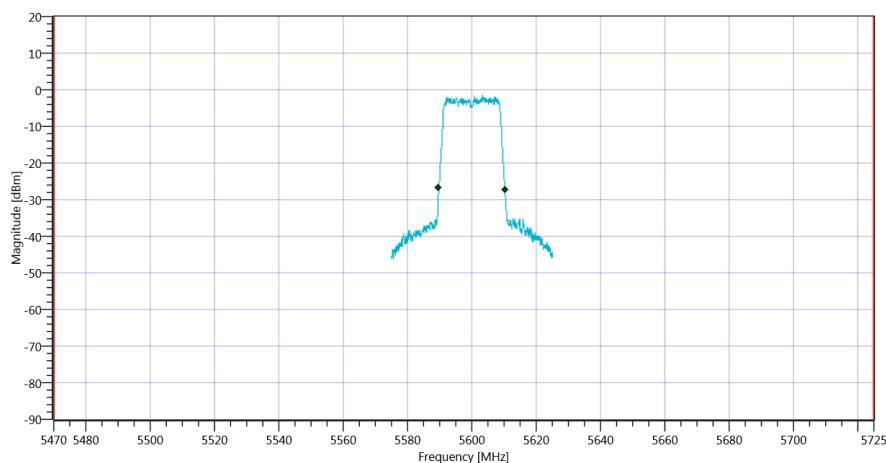
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141536.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.6	MHz	Information
T1 26dB	5470.000000	--	5589.7500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5610.3500	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB_20112019_141539.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141542.png

TEST FINISHED

General Verdict

20.11.2019 14:15:42 / RT: 27 s

PASS

21. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:19:35
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

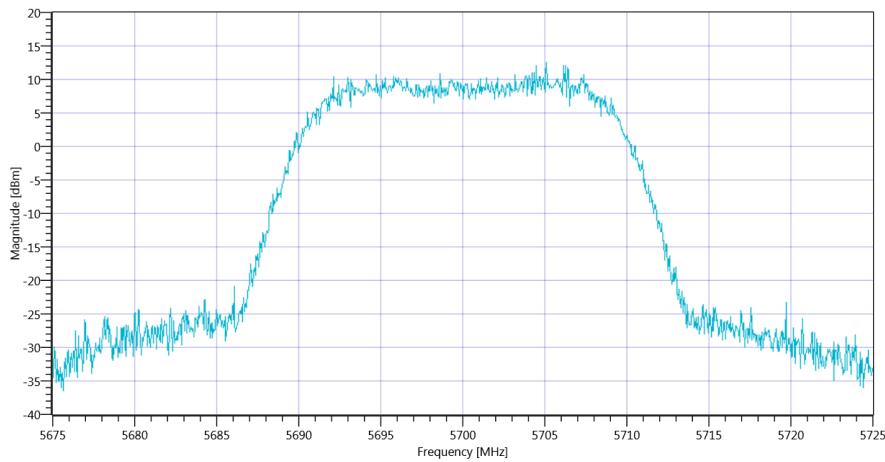
Test at TX 5700 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.53 11.74 25
Start [MHz] Stop [MHz]	5675.000 5725.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	12.46	dBm	Information
Peak Power	--	--	17.61976	mW	Information
Frequency at Peak	--	--	5705.095	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_141948.png

TEST FINISHED

General Verdict

20.11.2019 14:19:48 / RT: 13 s

PASS

22. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

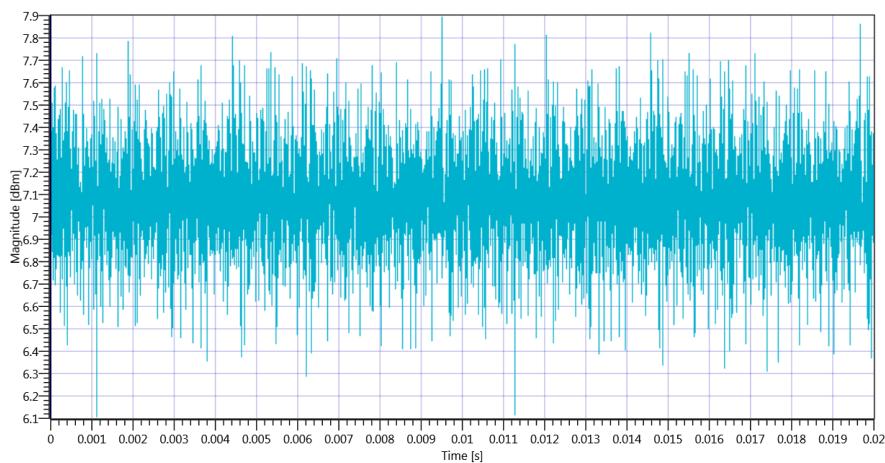
TC Start	20.11.2019 14:19:52
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

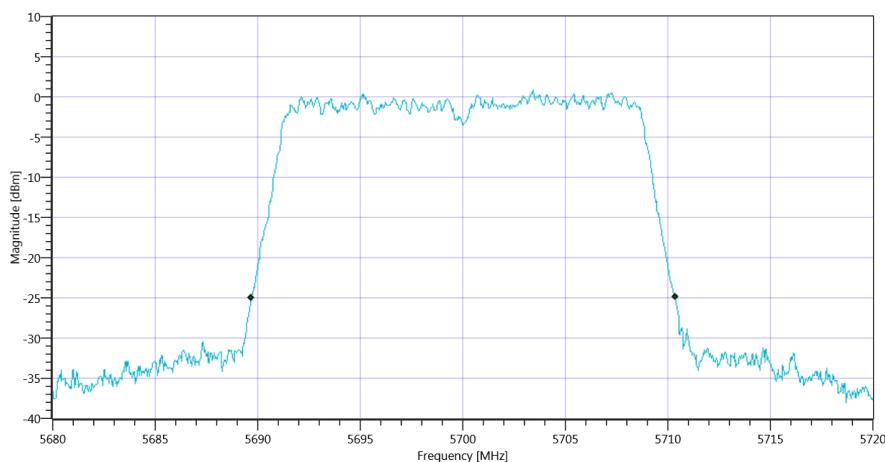
Test at TX 5700 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5700 MHz - Duty Cycle_20112019_142005.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.68	MHz	Information
T1 26dB	--	--	5689.6800	MHz	Information
T2 26dB	--	--	5710.3600	MHz	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_142012.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

18.12 | 11.74 | 25

Start [MHz] | Stop [MHz]

5680.000 | 5720.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

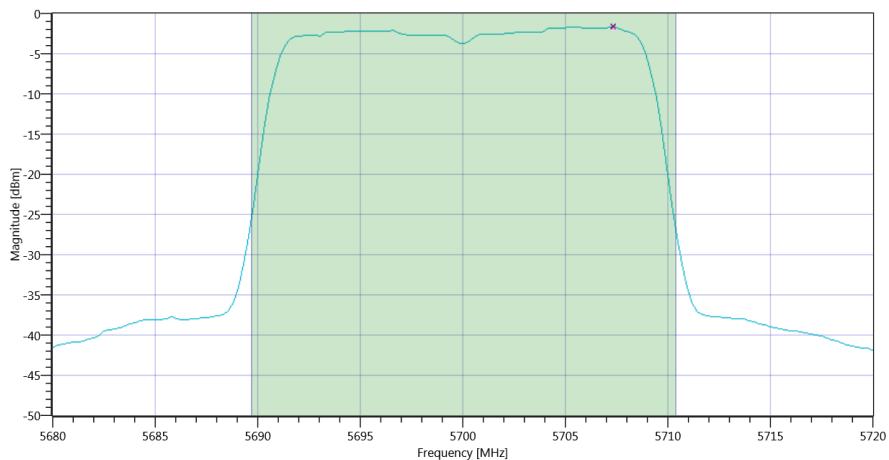
Detector | TraceMode

RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.88	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.88	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	24.16	9.88	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_142028.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-1.72	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-1.72	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:20:29 / RT: 37 s	PASS

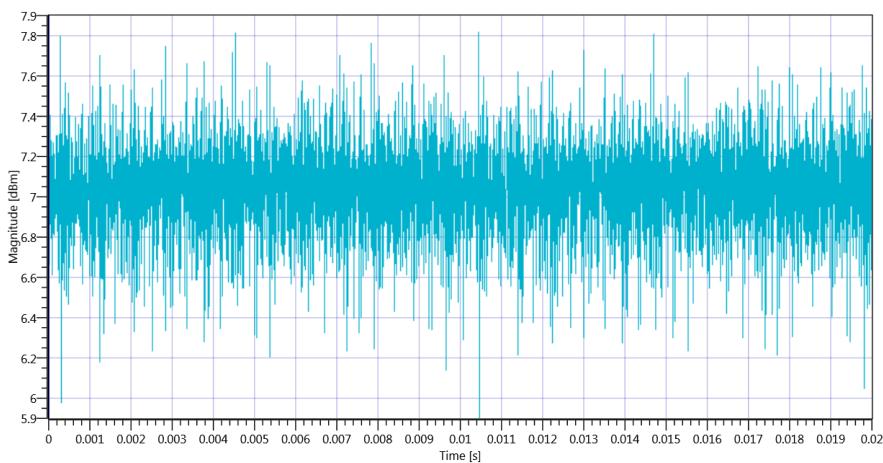
23. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:20:33
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

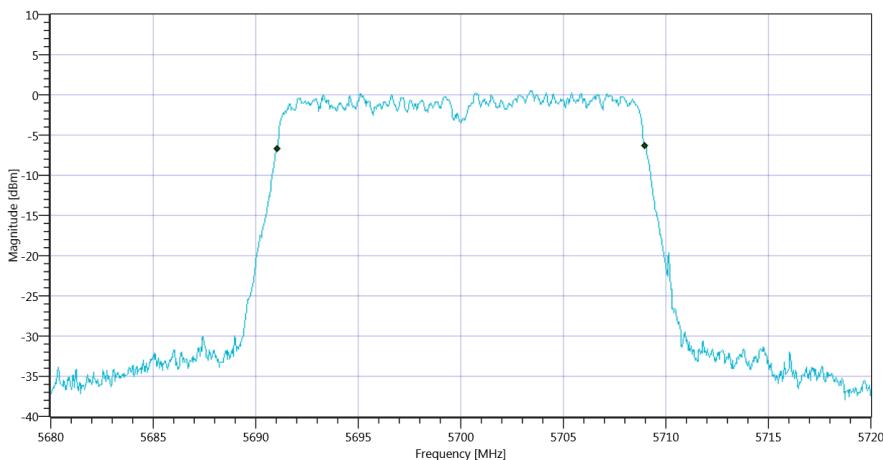
Test at TX 5700 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5700 MHz - Duty Cycle_20112019_142046.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.942	MHz	Information
T1 99%	--	--	5691.0490	MHz	Information
T2 99%	--	--	5708.9910	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW_20112019_142054.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

17.80 | 11.74 | 25

Start [MHz] | Stop [MHz]

5680.000 | 5720.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

Detector | TraceMode

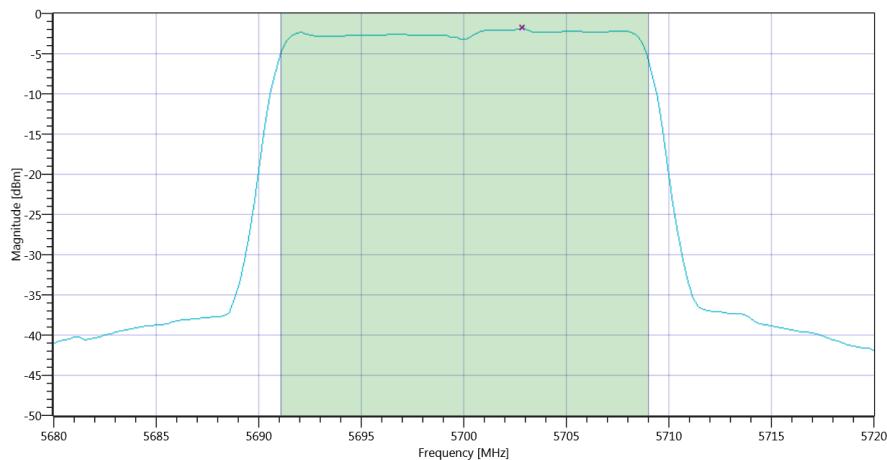
RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	9.7	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	9.7	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	23.54	9.7	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD_20112019_142109.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-1.88	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-1.88	dBm/1MHz	PASS

TEST FINISHED

General Verdict

20.11.2019 14:21:10 / RT: 37 s

PASS

24. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References

TC Start	20.11.2019 14:21:14
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

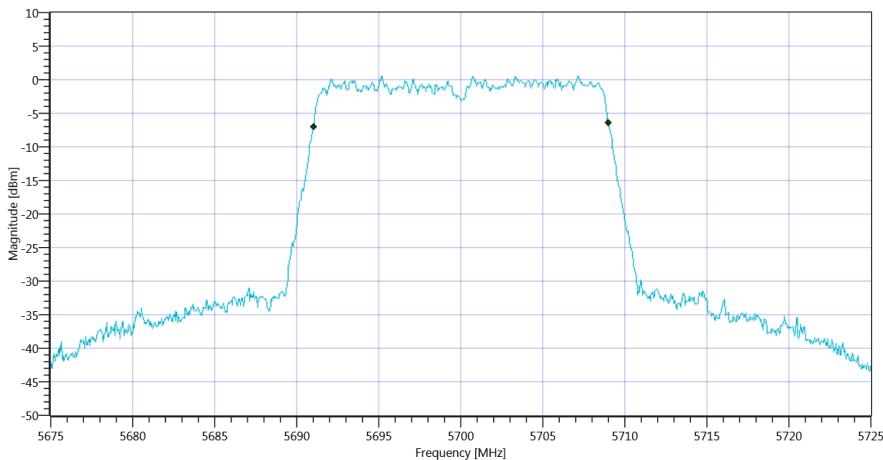
Test at TX 5700 MHz

READ SA SETTINGS:

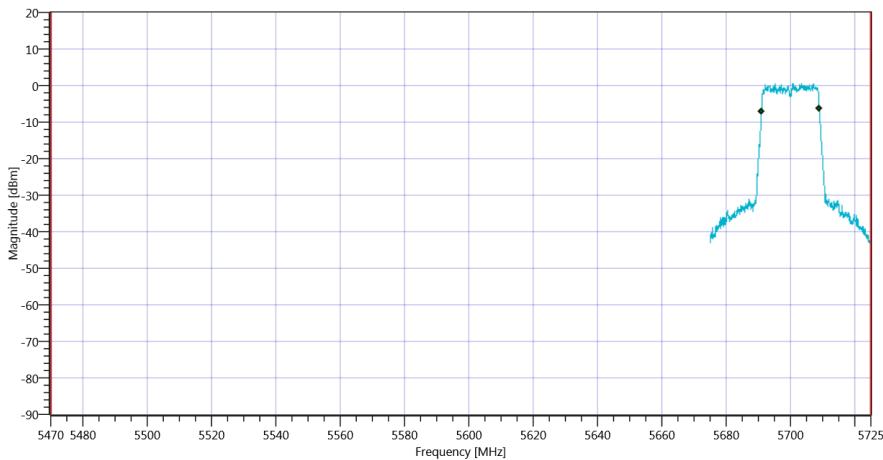
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.84 11.74 20
Start [MHz] Stop [MHz]	5675.000 5725.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	17.932	MHz	Information
T1 99%	5470.000000	--	5691.0589	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.9910	MHz	



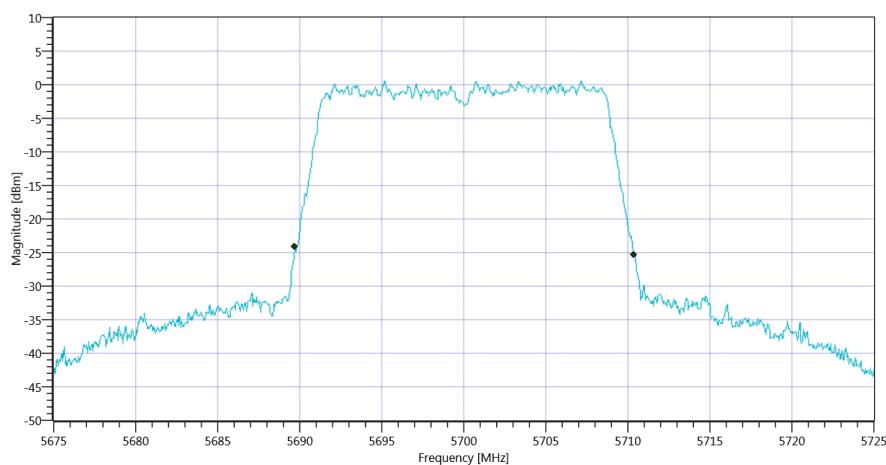
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT_20112019_142132.png



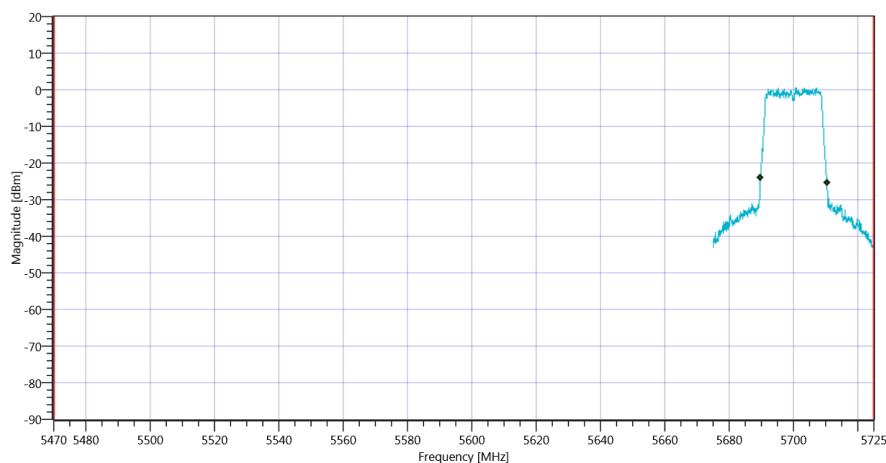
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_142135.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	20.7	MHz	Information
T1 26dB	5470.000000	--	5689.7000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5710.4000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB_20112019_142139.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_20112019_142142.png

TEST FINISHED

General Verdict

20.11.2019 14:21:42 / RT: 27 s

PASS

25. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:24:44
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

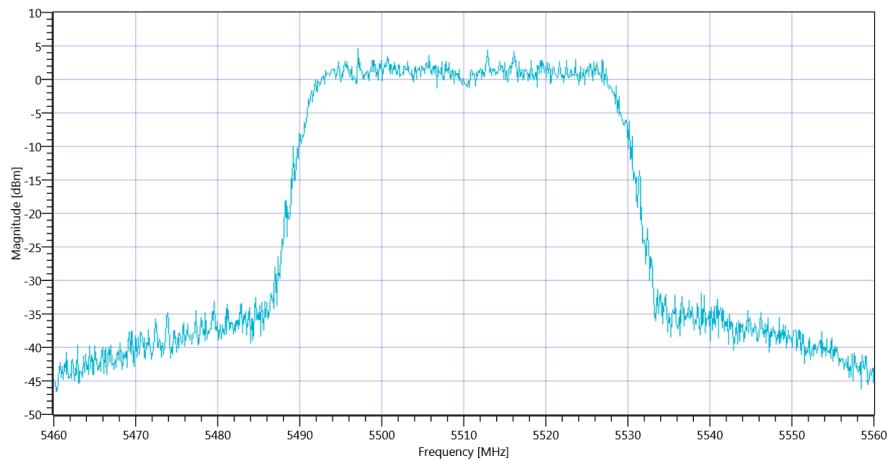
Test at TX 5510 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.55 11.32 15
Start [MHz] Stop [MHz]	5460.000 5560.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	4.71	dBm	Information
Peak Power	--	--	2.958012	mW	Information
Frequency at Peak	--	--	5497.11	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142457.png

TEST FINISHED

General Verdict

20.11.2019 14:24:57 / RT: 13 s

PASS

26. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

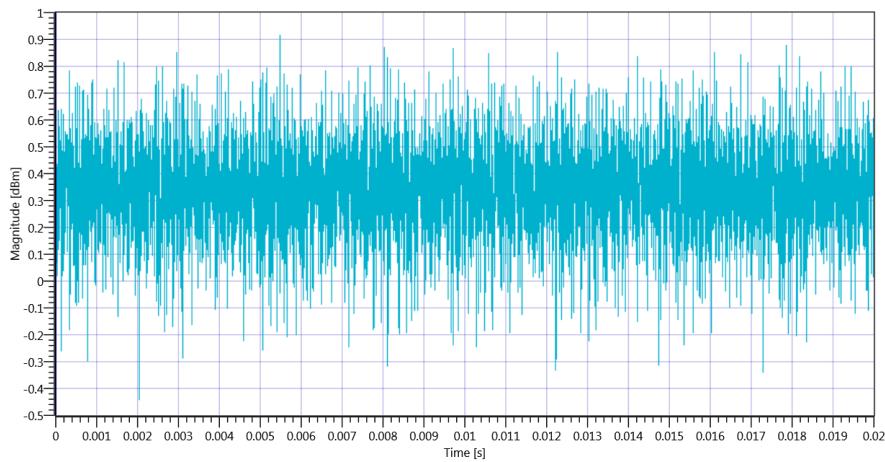
TC Start	20.11.2019 14:25:01
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

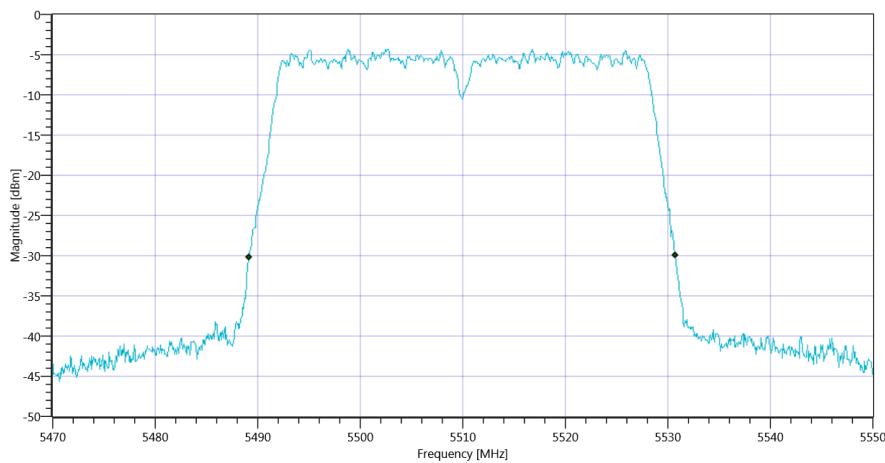
Test at TX 5510 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - Duty Cycle_20112019_142514.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	41.6	MHz	Information
T1 26dB	--	--	5489.1200	MHz	Information
T2 26dB	--	--	5530.7200	MHz	Information

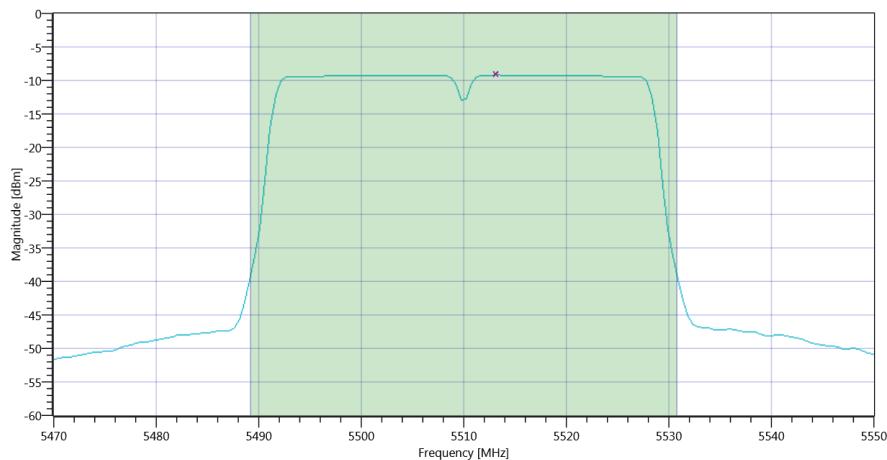


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_20112019_142522.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.87 11.32 15
Start [MHz] Stop [MHz]	5470.000 5550.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	5.94	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	5.94	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	27.19	5.94	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_20112019_142537.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-9.21	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-9.21	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:25:38 / RT: 37 s	PASS

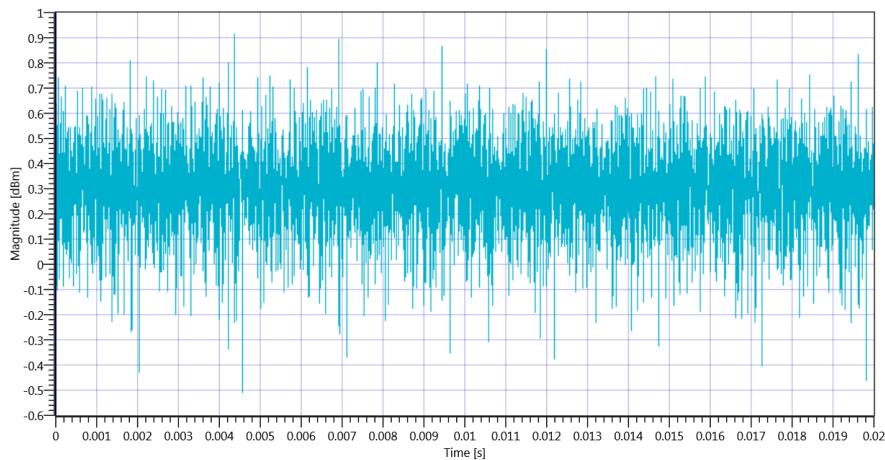
27. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:25:42
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

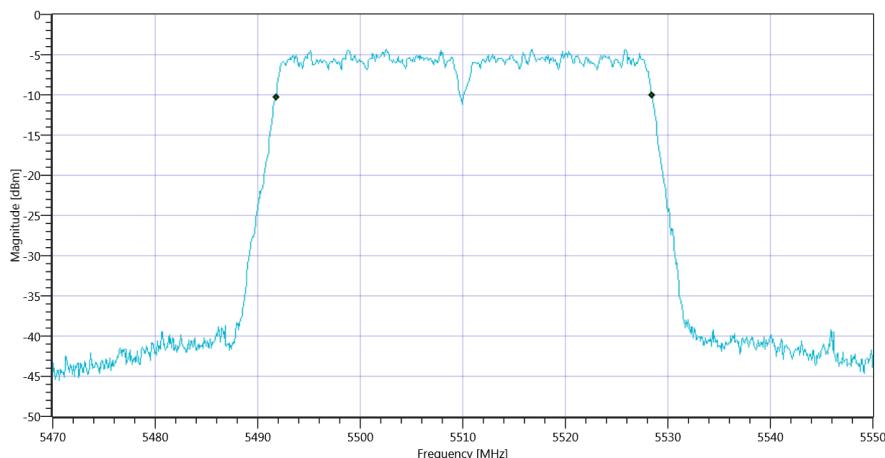
Test at TX 5510 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - Duty Cycle_20112019_142555.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	36.683	MHz	Information
T1 99%	--	--	5491.7782	MHz	Information
T2 99%	--	--	5528.4615	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_20112019_142603.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

10.98 | 11.32 | 15

Start [MHz] | Stop [MHz]

5470.000 | 5550.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

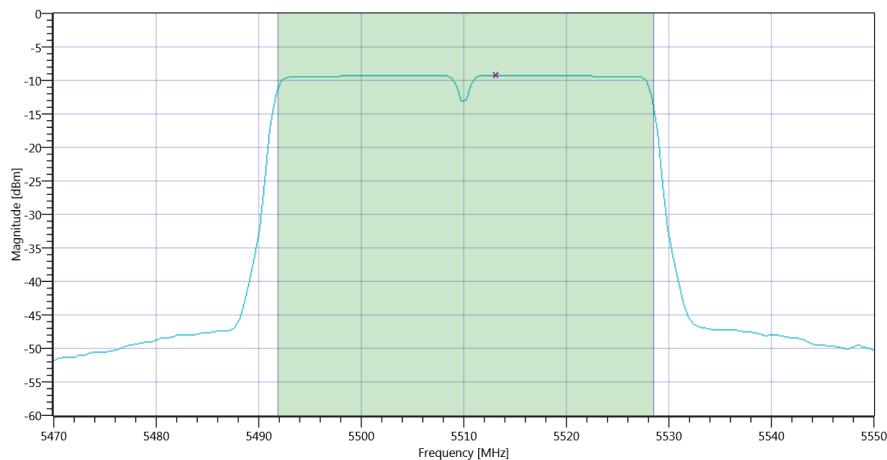
Detector | TraceMode

RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	5.87	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	5.87	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	26.64	5.87	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_20112019_142619.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-9.24	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-9.24	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:26:20 / RT: 37 s	PASS

28. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	20.11.2019 14:26:24
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

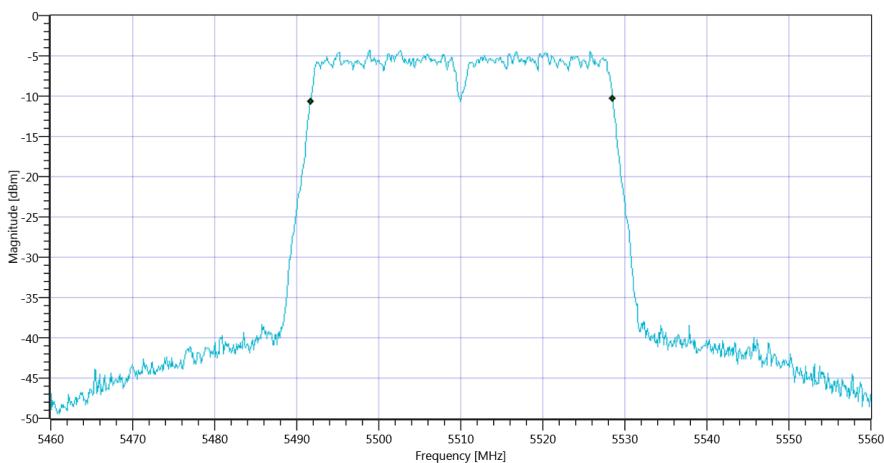
Test at TX 5510 MHz

READ SA SETTINGS:

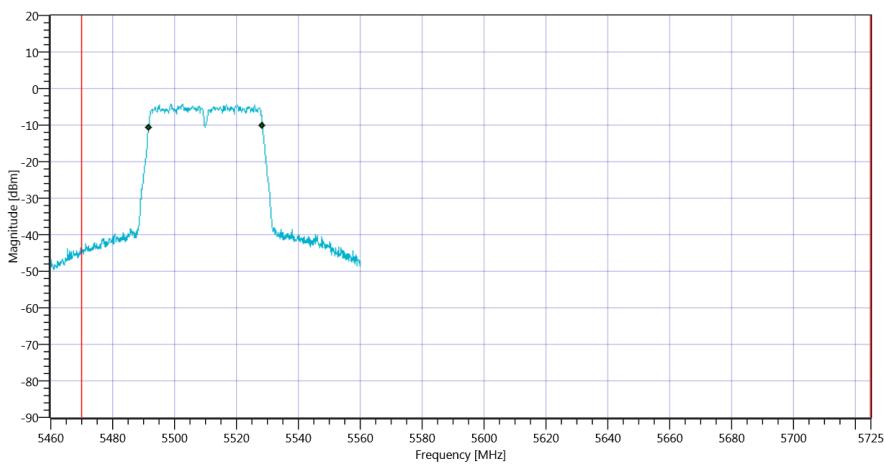
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.68 11.32 15
Start [MHz] Stop [MHz]	5460.000 5560.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	36.763	MHz	Information
T1 99%	5470.000000	--	5491.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5528.4815	MHz	



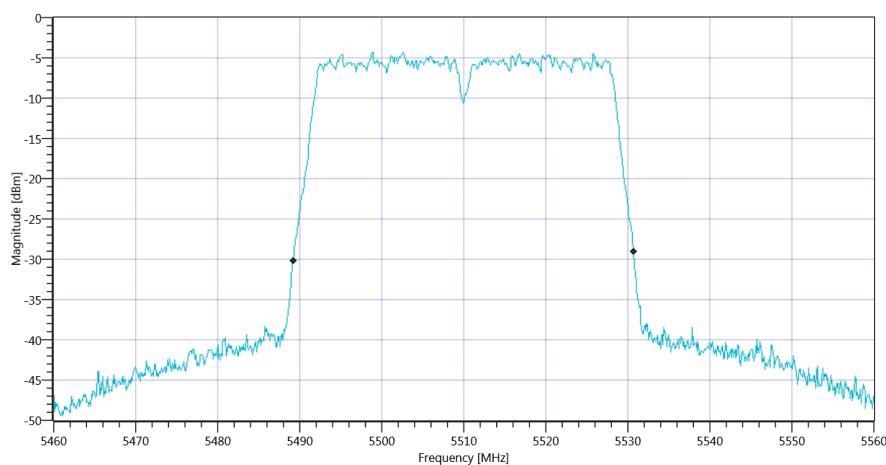
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT_20112019_142642.png



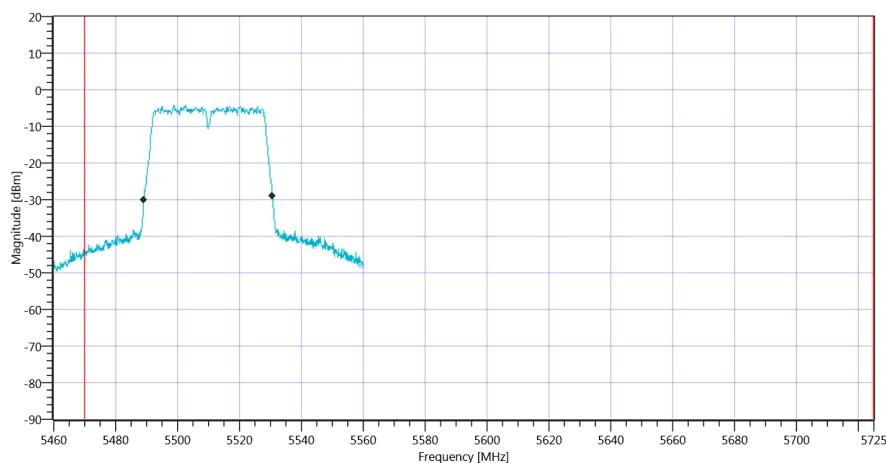
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142645.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	41.5	MHz	Information
T1 26dB	5470.000000	--	5489.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5530.7000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB_20112019_142649.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142652.png

TEST FINISHED

General Verdict

20.11.2019 14:26:52 / RT: 28 s

PASS

29. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:27:37
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

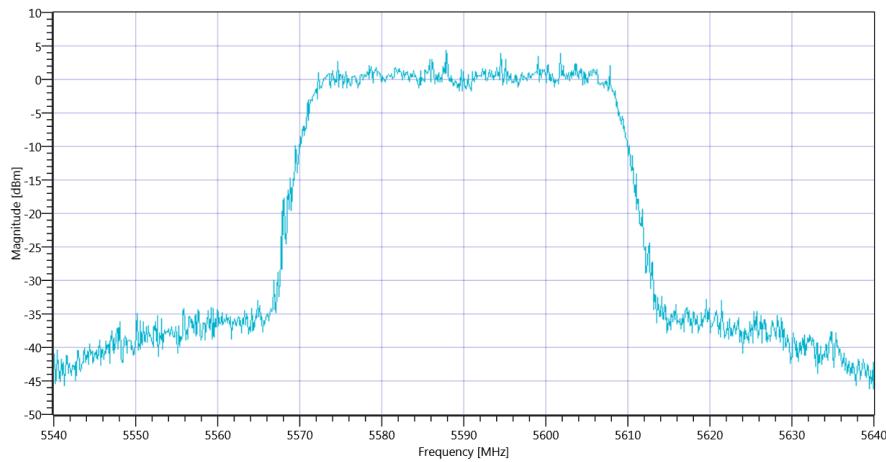
Test at TX 5590 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.06 11.49 15
Start [MHz] Stop [MHz]	5540.000 5640.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	4.28	dBm	Information
Peak Power	--	--	2.679168	mW	Information
Frequency at Peak	--	--	5587.8	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142750.png

TEST FINISHED

General Verdict

20.11.2019 14:27:50 / RT: 13 s

PASS

30. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

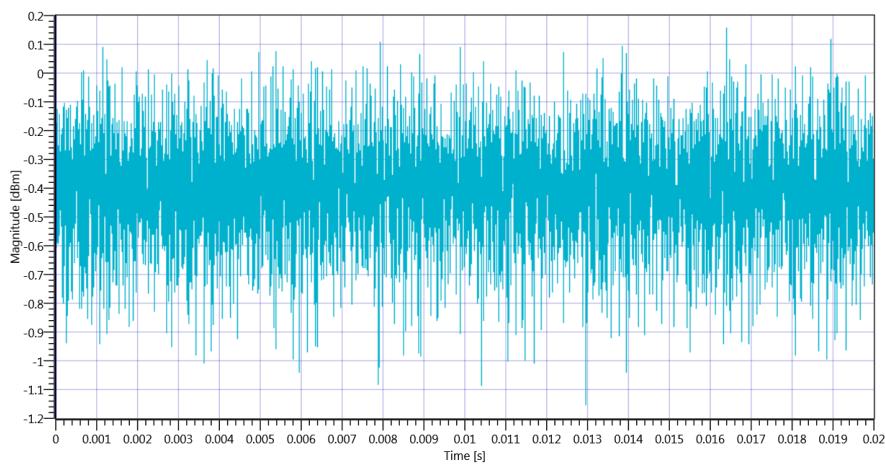
TC Start	20.11.2019 14:27:54
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

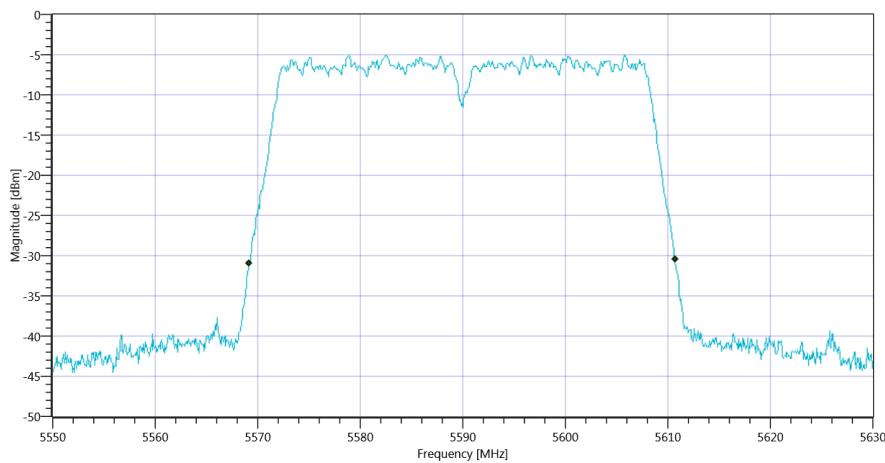
Test at TX 5590 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - Duty Cycle_20112019_142807.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	41.52	MHz	Information
T1 26dB	--	--	5569.2000	MHz	Information
T2 26dB	--	--	5610.7200	MHz	Information



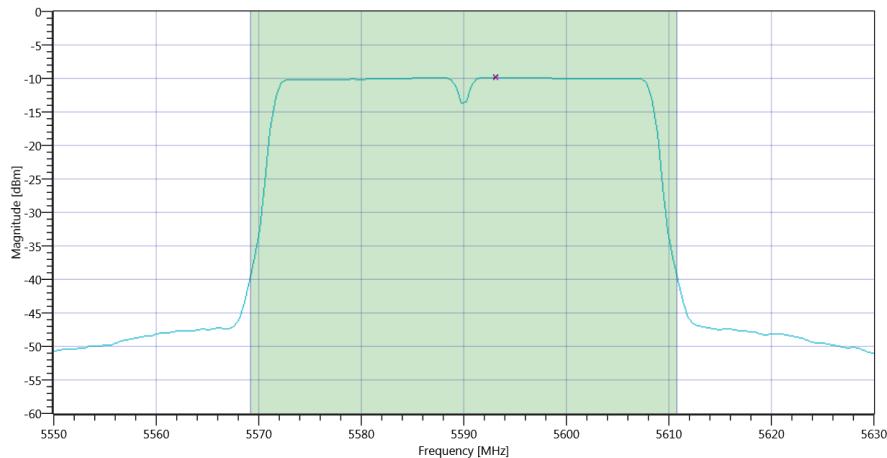
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_20112019_142815.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.01 11.49 15
Start [MHz] Stop [MHz]	5550.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	10700 1 160 SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	5.23	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	5.23	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	27.18	5.23	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_20112019_142830.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-9.88	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-9.88	dBm/1MHz	PASS

TEST FINISHED

General Verdict

20.11.2019 14:28:31 / RT: 37 s

PASS

31. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

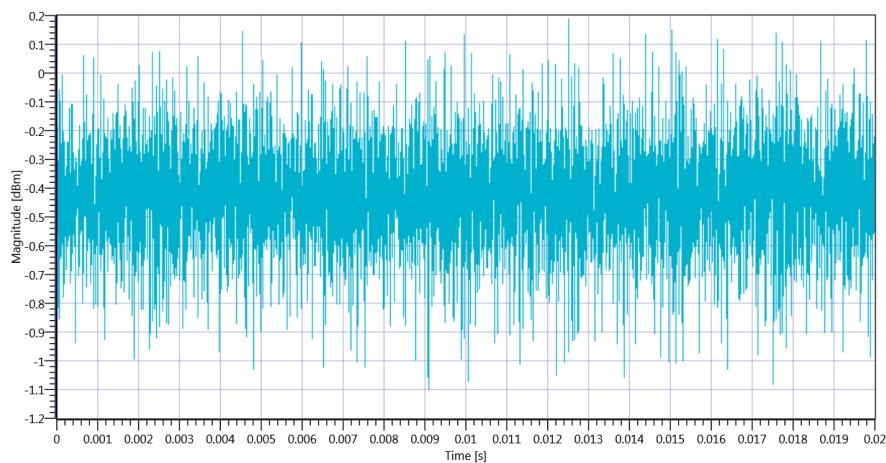
TC Start	20.11.2019 14:28:35
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

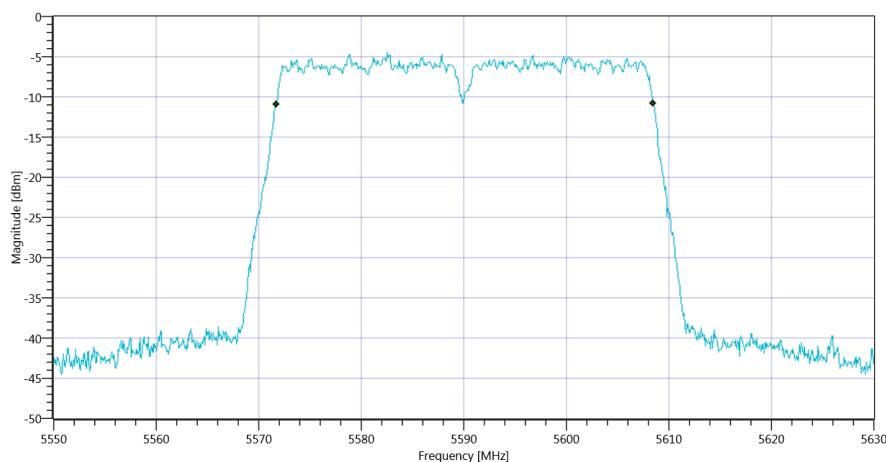
Test at TX 5590 MHz

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	--	--	1	--	Information
Duty Cycle max	--	--	0	dB	Information
Duty Cycle (Burst Ratio) min	--	--	1	--	Information
Duty Cycle min	--	--	0	dB	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - Duty Cycle_20112019_142849.png

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	36.763	MHz	Information
T1 99%	--	--	5571.6983	MHz	Information
T2 99%	--	--	5608.4615	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_20112019_142856.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]

10.23 | 11.49 | 15

Start [MHz] | Stop [MHz]

5550.000 | 5630.000

RBW [MHz] | VBW [MHz]

1.000000 | 3.000000

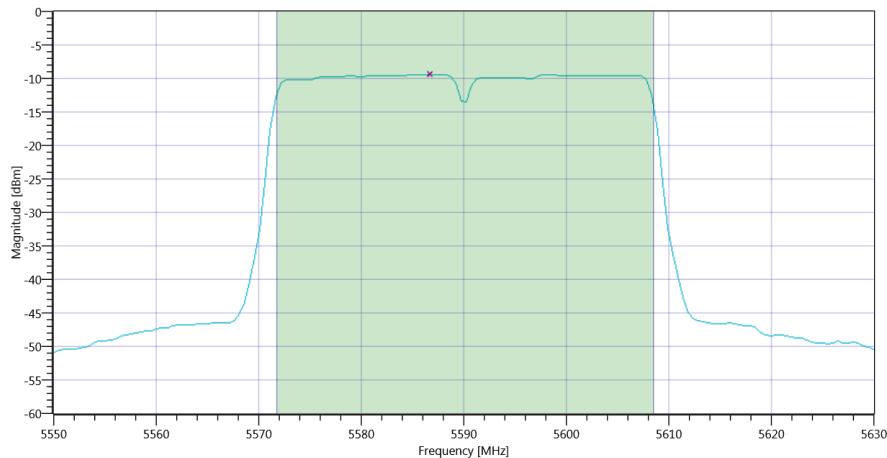
Detector | TraceMode

RMS | MAXH

Sweep: Time [ms] | Count | Points per Section | Type

10700 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	5.51	dBm	Information
Duty Cycle Correction	--	--	0	dB	Information
Limit absolute					
Max Output Power DC corrected	--	24	5.51	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	--	26.65	5.51	dBm	PASS



PlotISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_20112019_142912.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-9.46	dBm/1MHz	Information
Duty Cycle Correction	--	--	0	dB	Information
Power Spectral Density DC corrected	--	11	-9.46	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	20.11.2019 14:29:13 / RT: 37 s	PASS

32. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	20.11.2019 14:29:17
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1 TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

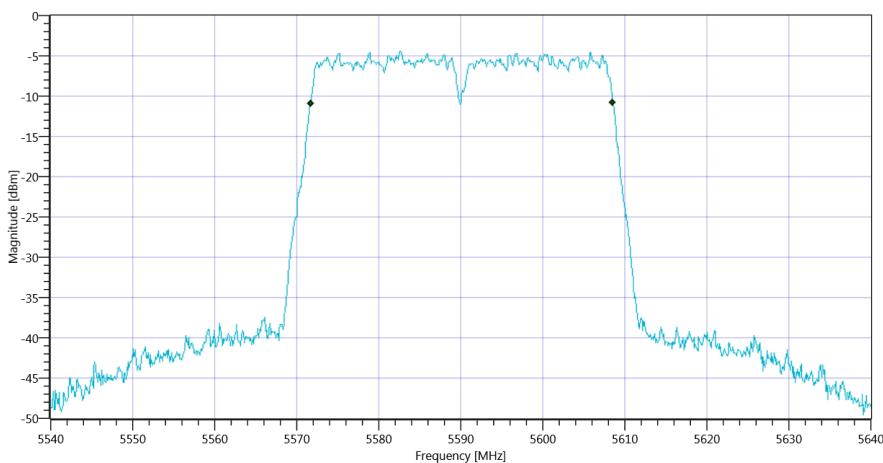
Test at TX 5590 MHz

READ SA SETTINGS:

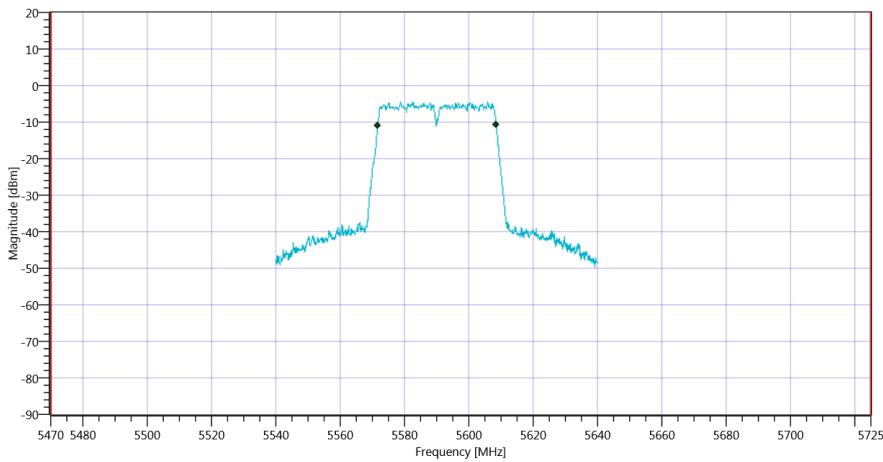
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.39 11.49 10
Start [MHz] Stop [MHz]	5540.000 5640.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	36.763	MHz	Information
T1 99%	5470.000000	--	5571.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.4815	MHz	



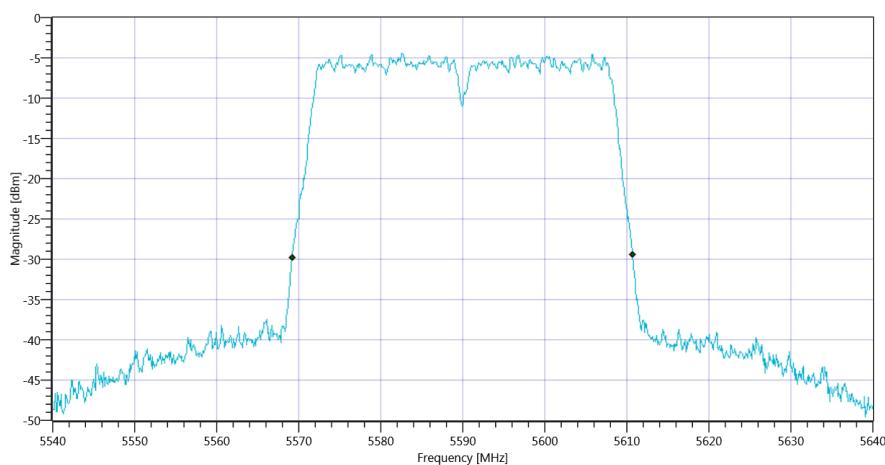
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT_20112019_142935.png



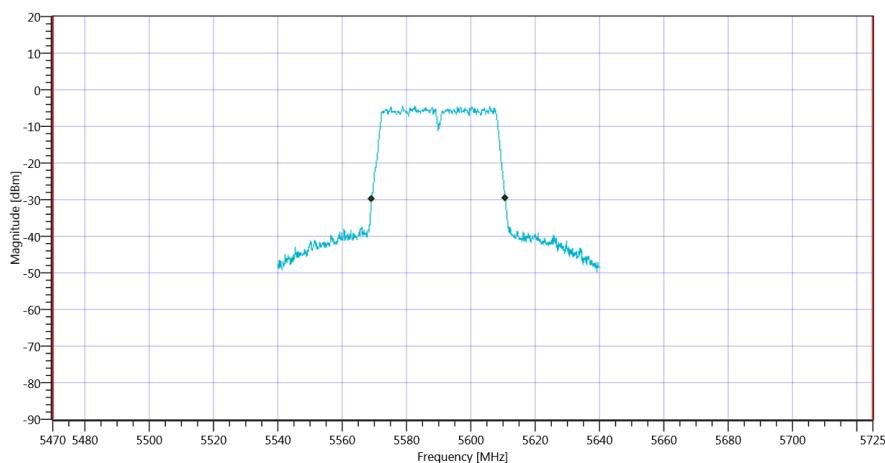
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142938.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	41.5	MHz	Information
T1 26dB	5470.000000	--	5569.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5610.7000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB_20112019_142942.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_142945.png

TEST FINISHED

General Verdict

20.11.2019 14:29:45 / RT: 28 s

PASS

33. Peak OP 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:40:50
System Version	1.0.0.24
Test Specification	---
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1 TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	
Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

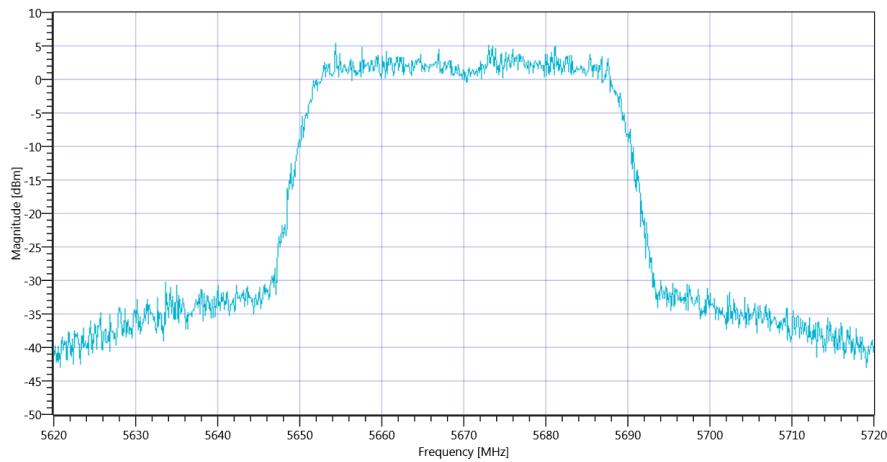
Test at TX 5670 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.87 11.53 20
Start [MHz] Stop [MHz]	5620.000 5720.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 10 1001 SWE

RESULT: TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	--	--	5.33	dBm	Information
Peak Power	--	--	3.411929	mW	Information
Frequency at Peak	--	--	5654.42	MHz	Information



Plot_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C_20112019_144103.png

TEST FINISHED

General Verdict

20.11.2019 14:41:03 / RT: 13 s

PASS

34. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References	
TC Start	20.11.2019 14:41:07
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60