Measurement Results

1-9154/19-01-07_log4_conducted

Test logging

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IUT Summary

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L2
Serial No. | Setup No.	Conducted unit #1 (all bandwidth measurements): 2656329 2591A9FV0C A 283C33692E 001 001 42K Conducted unit #2 (all other measurements): 2656321 2591A9FVOC A 283C33692E 001 001 40K
SW Version | HW Version	NI | NI
Comment 1 | 2	|
Tlow | Tmid | Thigh [°C]	-30 | 20 | 70
Vlow | Vmid | Vhigh [V] @Imax [A]	12.15 | 13.5 | 14.85 @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

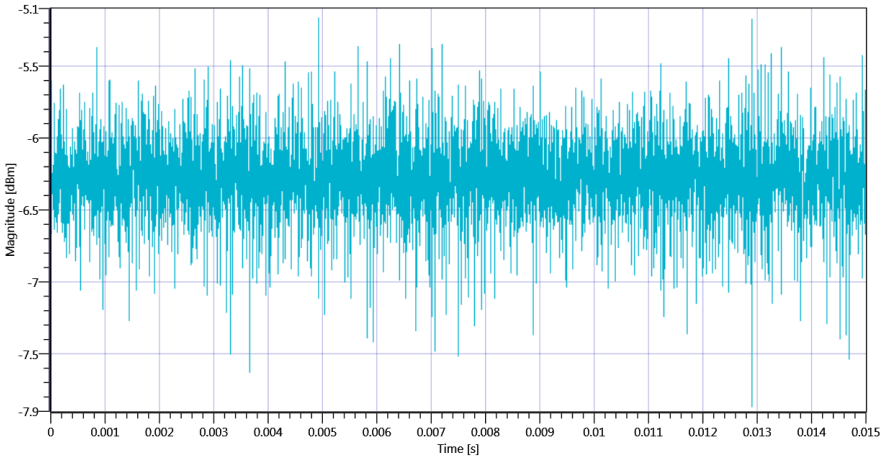
1. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1

Test References	
TC Start	28.11.2019 12:49:10
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 ac-VHT80 mode U-NII-1
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

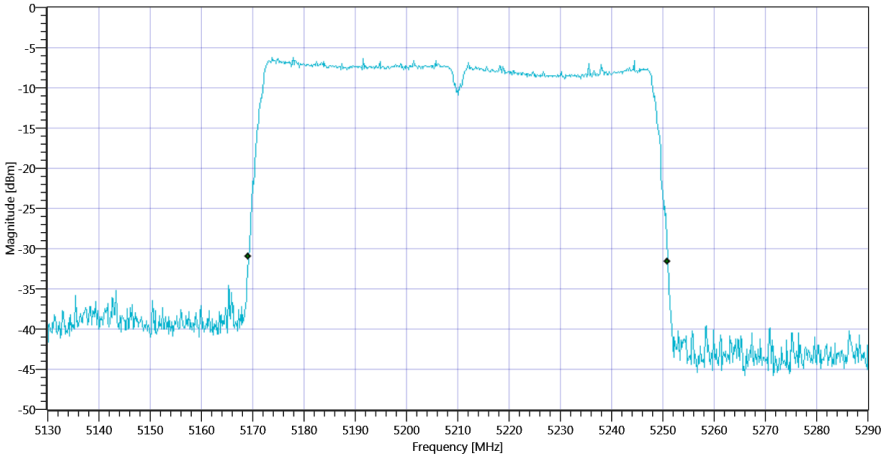
Test at TX 5210 MHz

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 ac-VHT80 mode U-NII-1 5210 MHz - Duty Cycle_28112019_124923.png

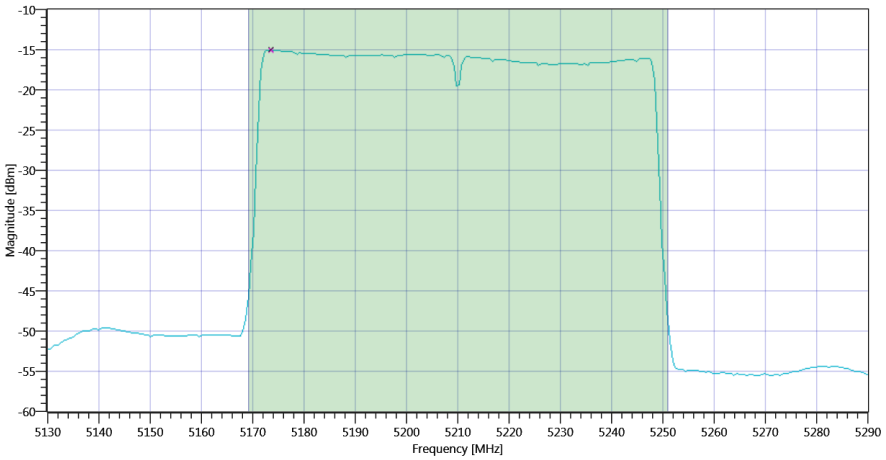
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.76	MHz	Information
T1 26dB	---	---	5169.2000	MHz	Information
T2 26dB	---	---	5250.9600	MHz	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 BW_28112019_124936.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.53 | 14.44 | 10
Start [MHz] | Stop [MHz]	5130.000 | 5290.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	2.54	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	2.54	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	2.54	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 Max OP and PSD_28112019_124958.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.05	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.05	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 12:49:58 / RT: 48 s	PASS

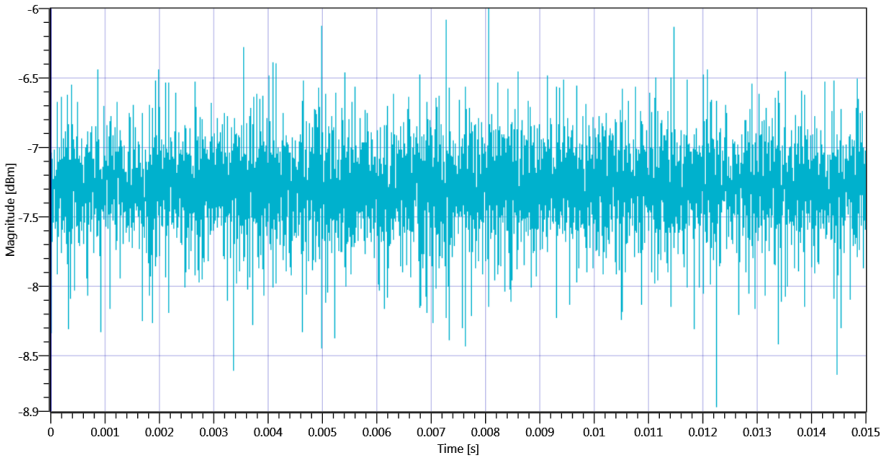
2. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A

Test References	
TC Start	28.11.2019 13:19:05
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 ac-VHT80 mode U-NII-2A
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

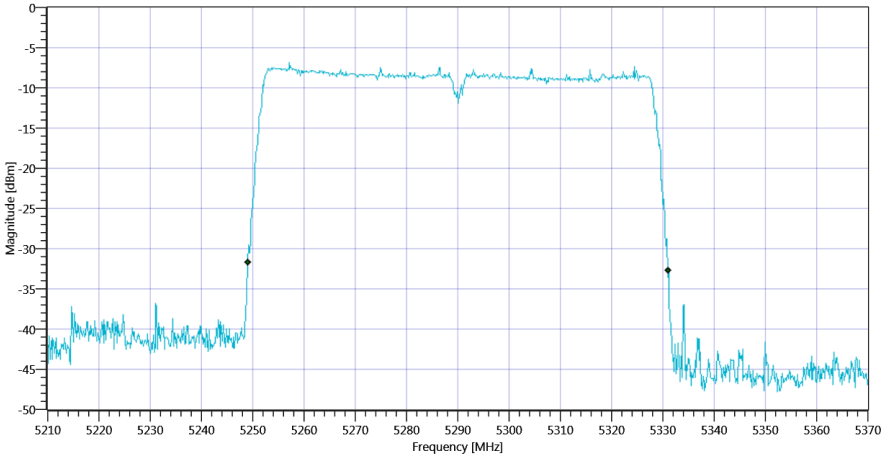
Test at TX 5290 MHz

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 ac-VHT80 mode U-NII-2A 5290 MHz - Duty Cycle_28112019_131918.png

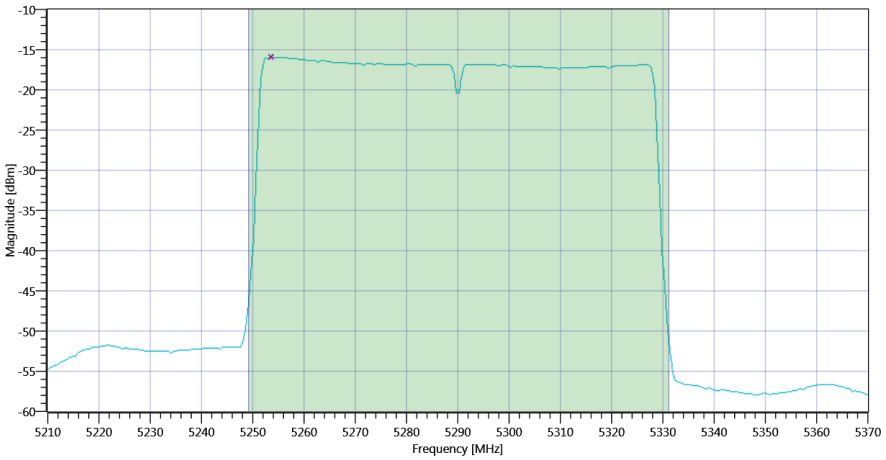
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.08	MHz	Information
T1 26dB	---	---	5249.0400	MHz	Information
T2 26dB	---	---	5331.1200	MHz	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A BW_28112019_131931.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	3.72 | 14.27 | 5
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.72	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.72	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.14	1.72	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A Max OP and PSD_28112019_131953.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.92	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.92	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 13:19:54 / RT: 48 s	PASS

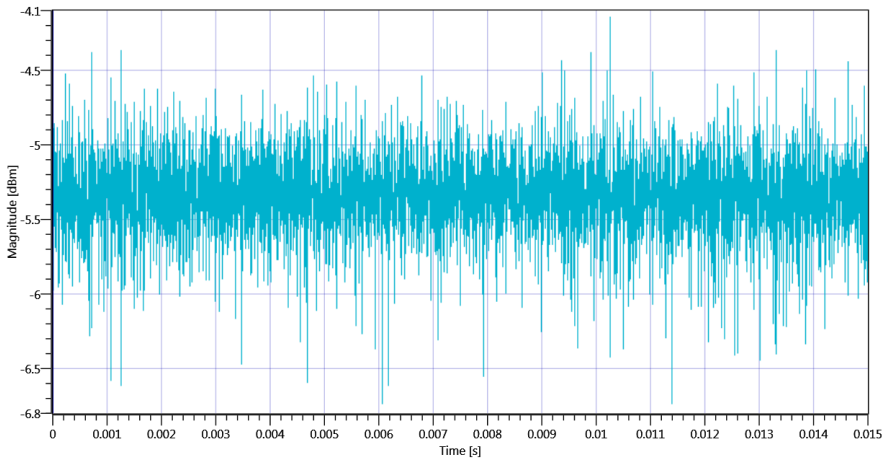
3. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	28.11.2019 13:21:25
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 ac-VHT80 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

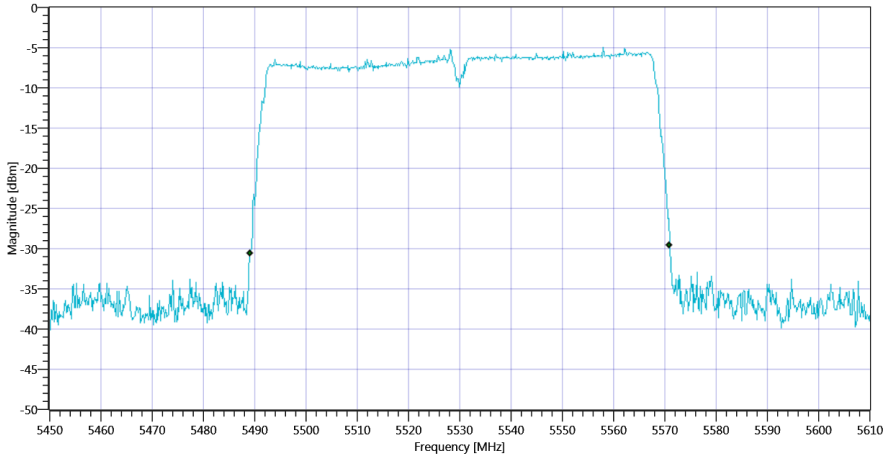
Test at TX 5530 MHz

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 ac-VHT80 mode U-NII-2C 5530 MHz - Duty Cycle_28112019_132138.png

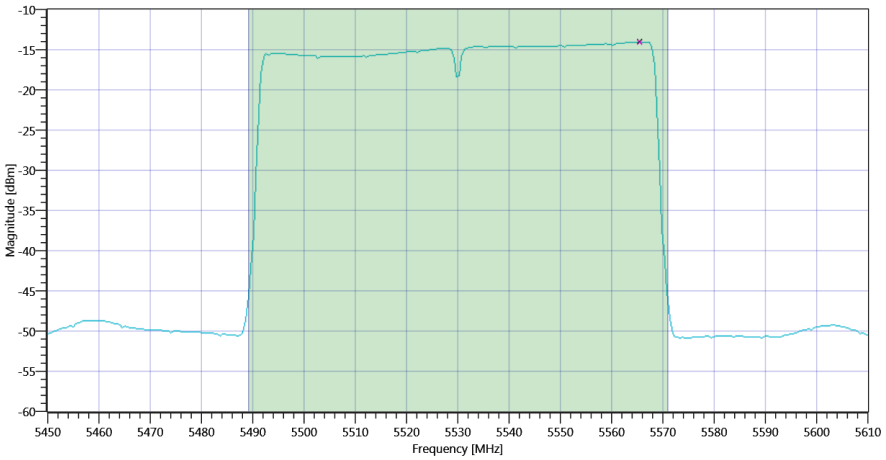
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.92	MHz	Information
T1 26dB	---	---	5489.0400	MHz	Information
T2 26dB	---	---	5570.9600	MHz	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_28112019_132149.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.97 | 14.13 | 10
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	3.57	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	3.57	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	3.57	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_28112019_132211.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.05	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.05	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 13:22:12 / RT: 46 s	PASS

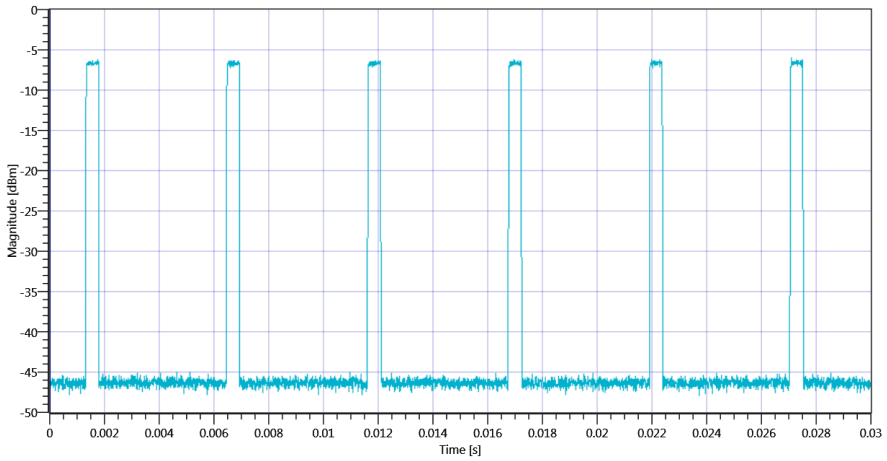
4. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	06.12.2019 10:38:46
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 ac-VHT80 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

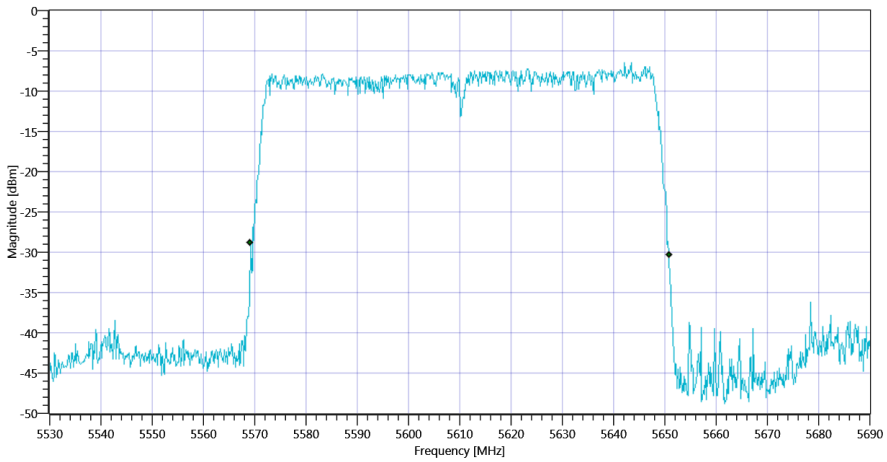
Test at TX 5610 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Duty Cycles					
Result Summary					
Number of detected Bursts:4					
Duty Cycle (Burst Ratio) max	---	---	0.09	---	Information
Duty Cycle max	---	---	10.458	dB	Information
Duty Cycle (Burst Ratio) min	---	---	0.09	---	Information
Duty Cycle min	---	---	10.458	dB	Information
Max TX Burst Length	---	---	0.465	ms	Information
Min Gap Length	---	---	4.68	ms	Information
Max Gap Length	---	---	4.68	ms	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C 5610 MHz - Duty Cycle_06122019_103859.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.6	MHz	Information
T1 26dB	---	---	5569.2000	MHz	Information
T2 26dB	---	---	5650.8000	MHz	Information

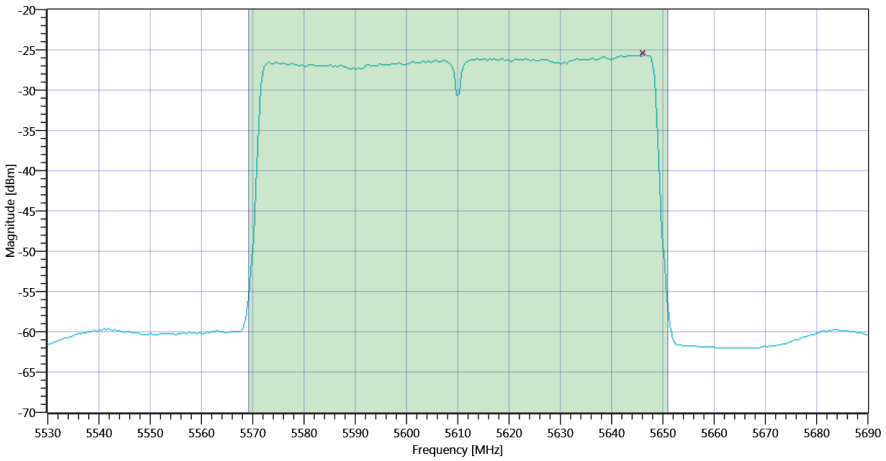


Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_06122019_103910.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	3.99 | 14.18 | 5
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	32000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Max Output Power	---	---	-7.95	dBm	Information
Duty Cycle Correction	---	---	10.46	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	2.51	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.12	2.51	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_06122019_103948.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Power Spectral Density	---	---	-25.54	dBm/1MHz	Information
Duty Cycle Correction	---	---	10.46	dB	Information
Power Spectral Density DC corrected	---	11	-15.08	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	06.12.2019 10:39:49 / RT: 62 s	PASS

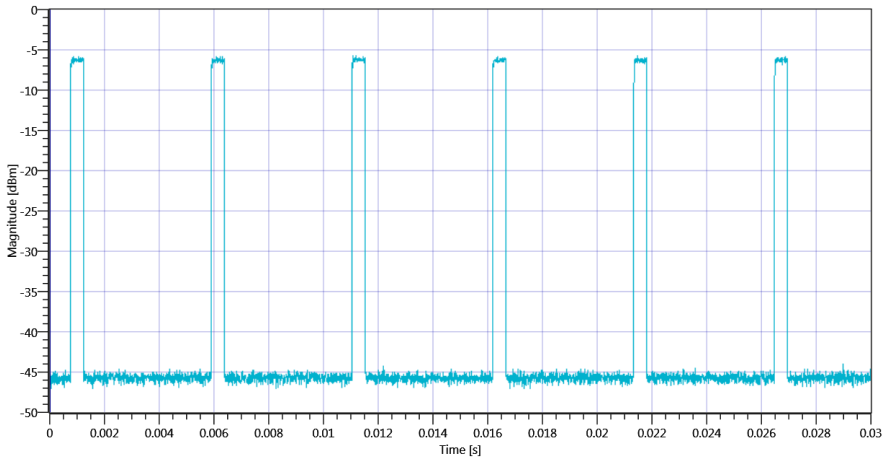
5. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	06.12.2019 10:42:46
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 ac-VHT80 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

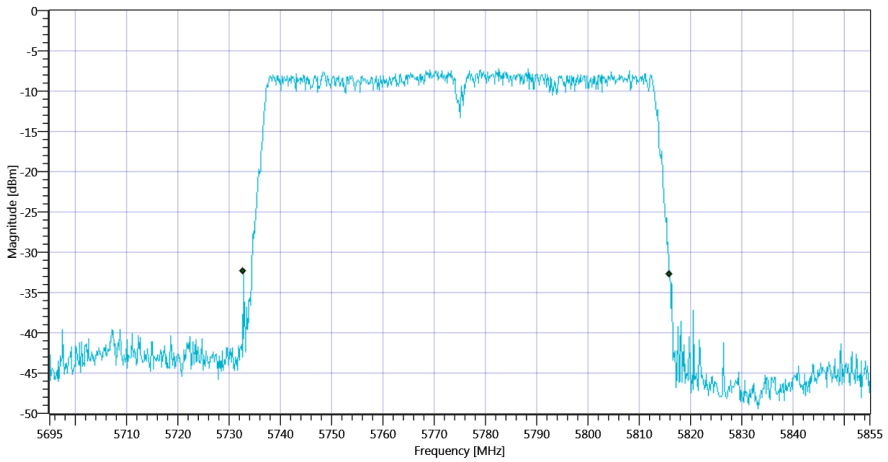
Test at TX 5775 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Duty Cycles					
Result Summary					
Number of detected Bursts:4					
Duty Cycle (Burst Ratio) max	---	---	0.09	---	Information
Duty Cycle max	---	---	10.458	dB	Information
Duty Cycle (Burst Ratio) min	---	---	0.089	---	Information
Duty Cycle min	---	---	10.506	dB	Information
Max TX Burst Length	---	---	0.465	ms	Information
Min Gap Length	---	---	4.68	ms	Information
Max Gap Length	---	---	4.688	ms	Information



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 5775 MHz - Duty Cycle_06122019_104259.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	83.2	MHz	Information
T1 26dB	---	---	5732.7600	MHz	Information
T2 26dB	---	---	5815.9600	MHz	Information



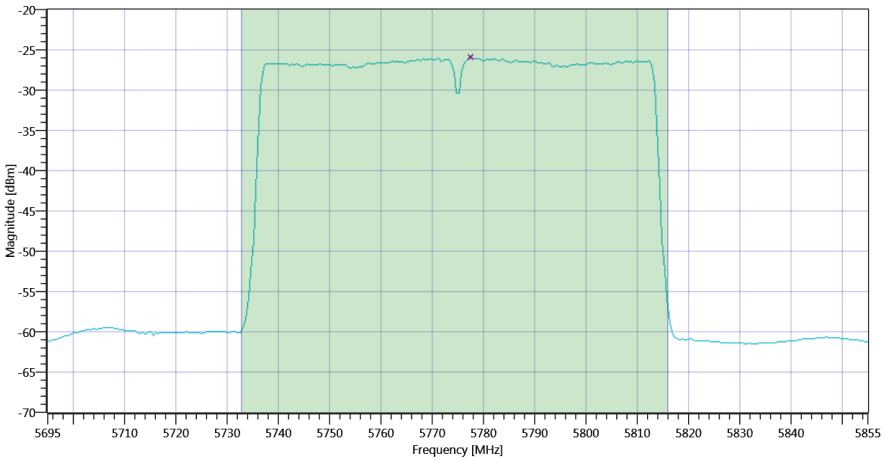
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 BW_06122019_104310.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.24 | 14.25 | 5
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	32000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-8.09	dBm	Information
Duty Cycle Correction	---	---	10.51	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	2.42	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.2	2.42	dBm	not applicable



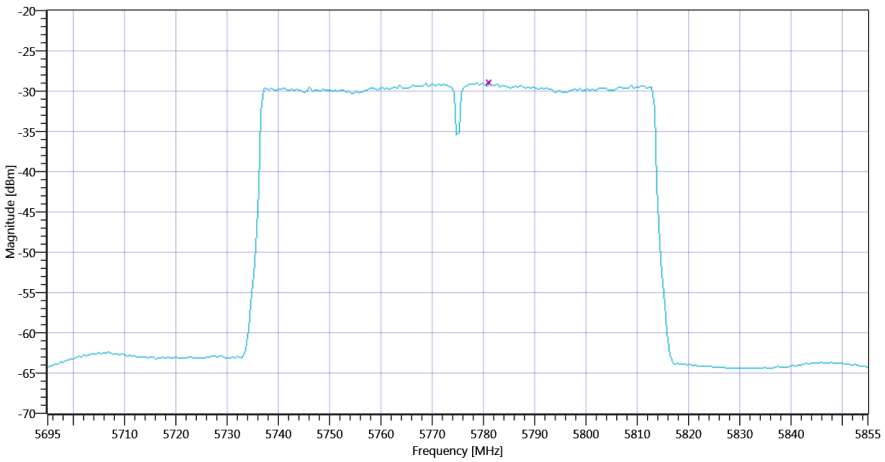
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 Max OP and PSD_06122019_104348.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.24 | 14.25 | 5
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	32000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-28.98	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	10.51	dB	Information
Power Spectral Density DC corrected	---	30	-18.47	dBm/0.5MHz	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 PSD UNII-3_06122019_104425.png

TEST FINISHED		
General Verdict	06.12.2019 10:44:25 / RT: 99 s	PASS

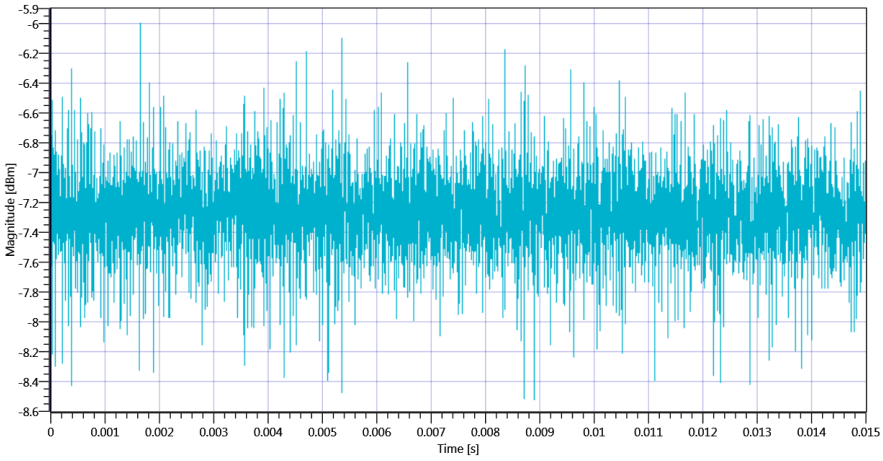
6. ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A

Test References	
TC Start	28.11.2019 13:19:57
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 ac-VHT80 mode U-NII-2A
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

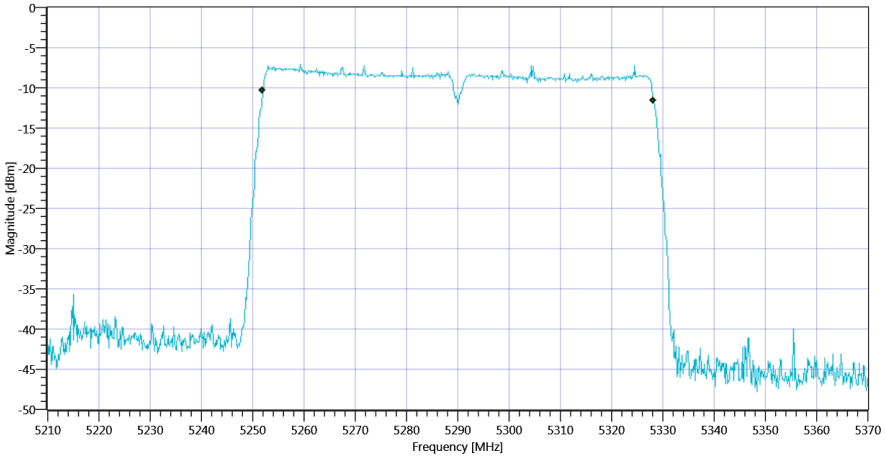
Test at TX 5290 MHz

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 ac-VHT80 mode U-NII-2A 5290 MHz - Duty Cycle_28112019_132011.png

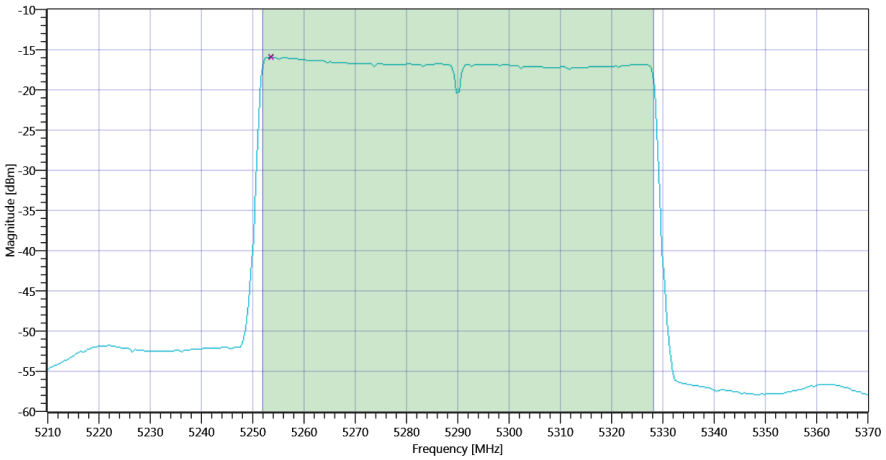
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Bandwidth 99%	---	---	76.244	MHz	Information
T1 99%	---	---	5251.9580	MHz	Information
T2 99%	---	---	5328.2018	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A BW_28112019_132024.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	3.90 | 14.27 | 5
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.69	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.69	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.82	1.69	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A Max OP and PSD_28112019_132046.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.92	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.92	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 13:20:47 / RT: 49 s	PASS

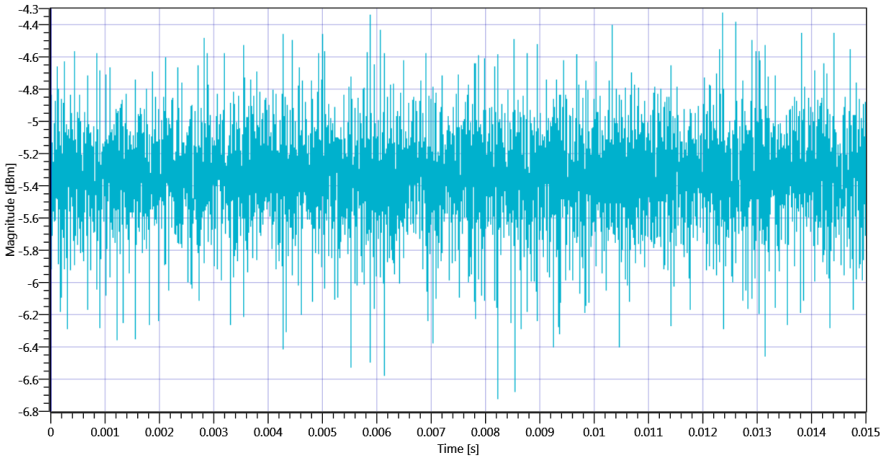
7. ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	28.11.2019 13:22:15
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 ac-VHT80 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

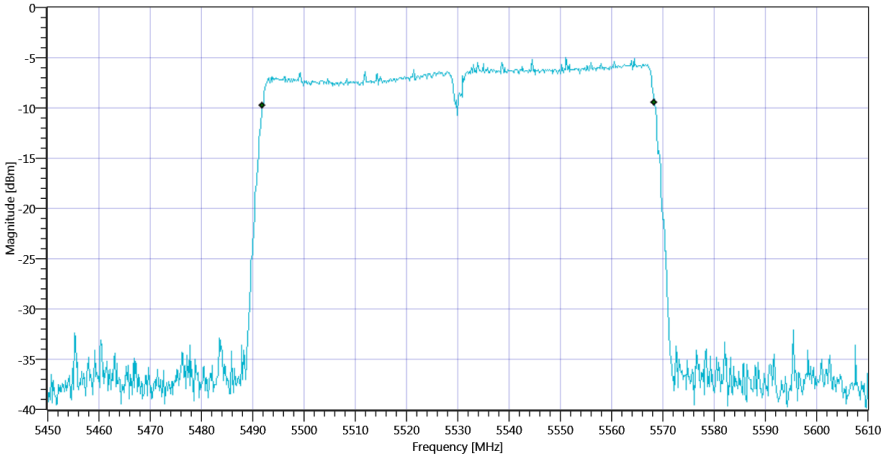
Test at TX 5530 MHz

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 ac-VHT80 mode U-NII-2C 5530 MHz - Duty Cycle_28112019_132229.png

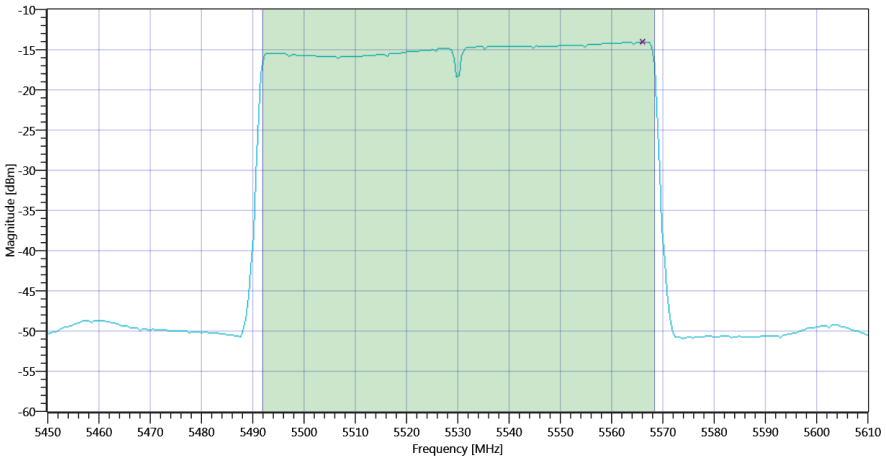
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.404	MHz	Information
T1 99%	---	---	5491.9580	MHz	Information
T2 99%	---	---	5568.3616	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_28112019_132240.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.89 | 14.13 | 10
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	3.54	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	3.54	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.83	3.54	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_28112019_132301.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.04	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.04	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 13:23:02 / RT: 46 s	PASS

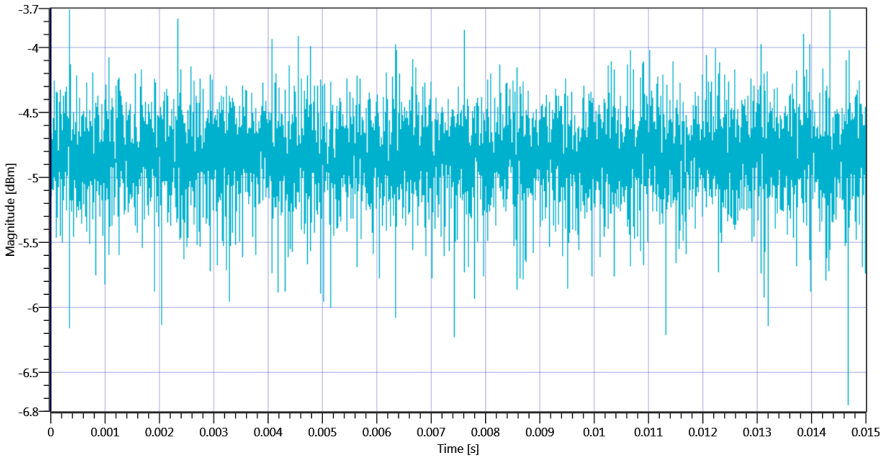
8. ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	28.11.2019 13:24:45
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 ac-VHT80 mode U-NII-2C
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

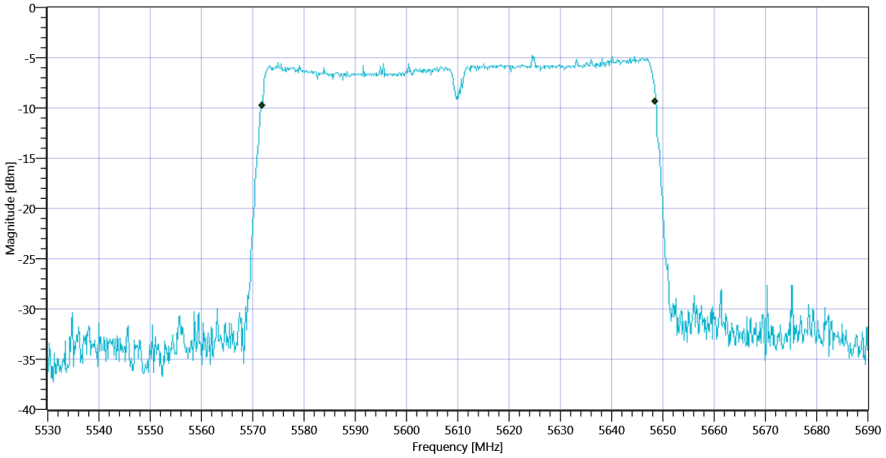
Test at TX 5610 MHz

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 ac-VHT80 mode U-NII-2C 5610 MHz - Duty Cycle_28112019_132459.png

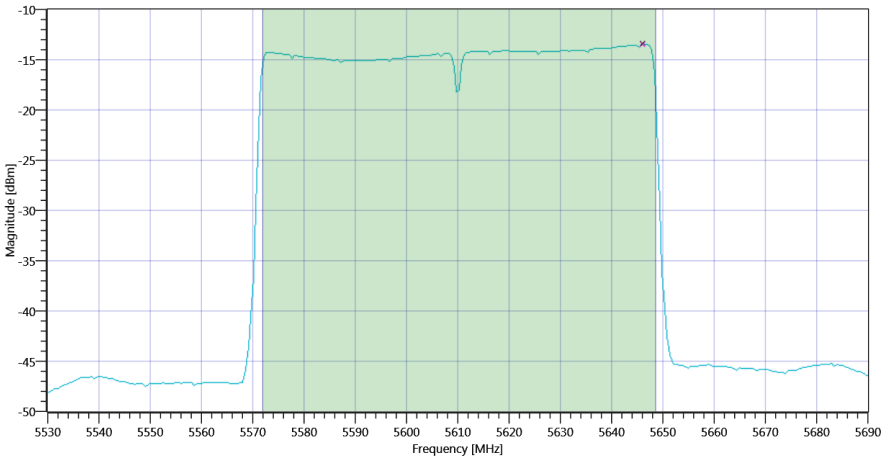
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.723	MHz	Information
T1 99%	---	---	5571.7982	MHz	Information
T2 99%	---	---	5648.5215	MHz	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_28112019_132510.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.08 | 14.18 | 10
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	4.13	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	4.13	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.85	4.13	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_28112019_132531.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.48	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-13.48	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	28.11.2019 13:25:32 / RT: 46 s	PASS

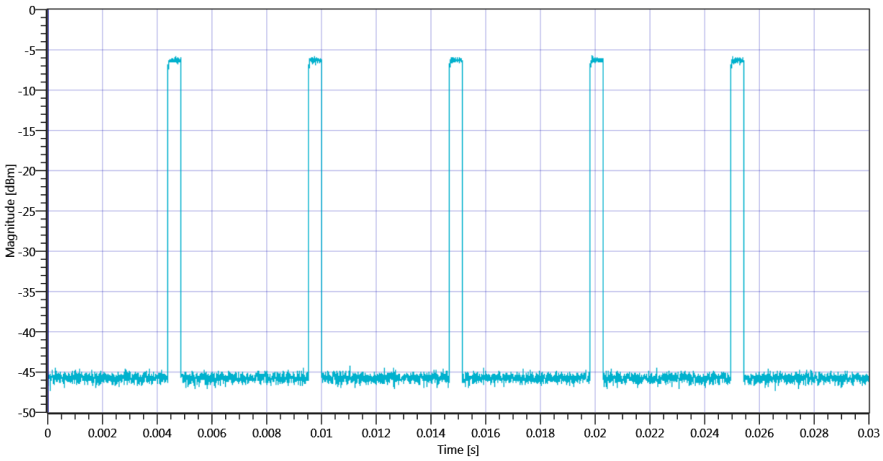
9. ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	06.12.2019 10:44:29
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 ac-VHT80 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

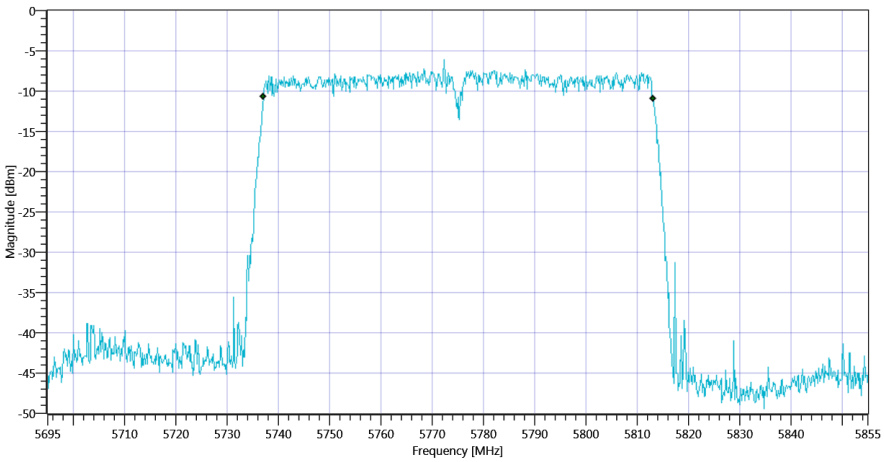
Test at TX 5775 MHz

RESULT: Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Duty Cycles					
Result Summary					
Number of detected Bursts:3					
Duty Cycle (Burst Ratio) max	---	---	0.089	---	Information
Duty Cycle max	---	---	10.506	dB	Information
Duty Cycle (Burst Ratio) min	---	---	0.089	---	Information
Duty Cycle min	---	---	10.506	dB	Information
Max TX Burst Length	---	---	0.457	ms	Information
Min Gap Length	---	---	4.68	ms	Information
Max Gap Length	---	---	4.688	ms	Information



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 5775 MHz - Duty Cycle_06122019_104442.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	75.924	MHz	Information
T1 99%	---	---	5737.1179	MHz	Information
T2 99%	---	---	5813.0420	MHz	Information



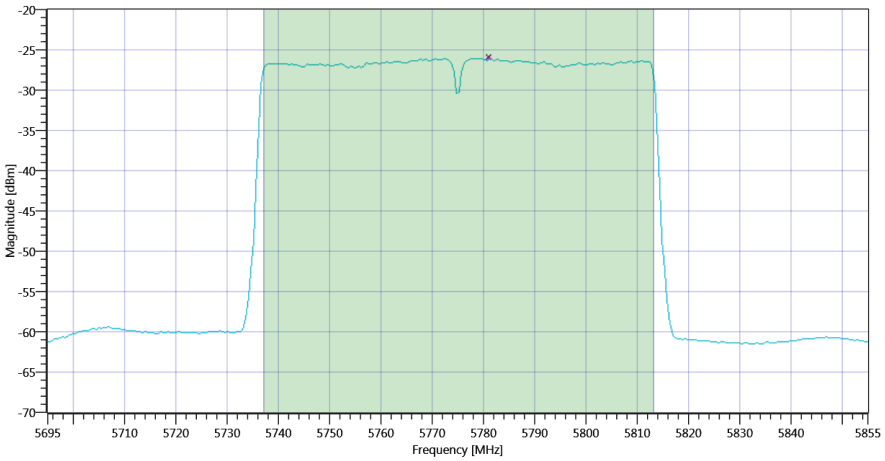
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 BW_06122019_104453.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	3.71 | 14.25 | 5
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	32000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-8.15	dBm	Information
Duty Cycle Correction	---	---	10.51	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	2.36	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.8	2.36	dBm	not applicable



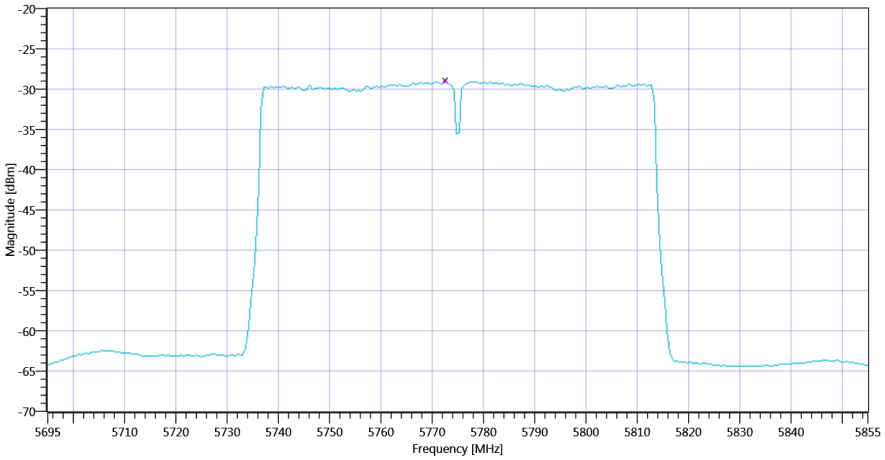
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 Max OP and PSD_06122019_104531.png

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	3.71 | 14.25 | 5
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	32000 | 1 | 320 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-29.01	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	10.51	dB	Information
Power Spectral Density DC corrected	---	30	-18.5	dBm/0.5MHz	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 PSD UNII-3_06122019_104608.png

TEST FINISHED		
General Verdict	06.12.2019 10:46:09 / RT: 99 s	PASS

10. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1

Test References	
TC Start	26.11.2019 16:23:43
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 ac-VHT80 mode U-NII-1
Add. Information	

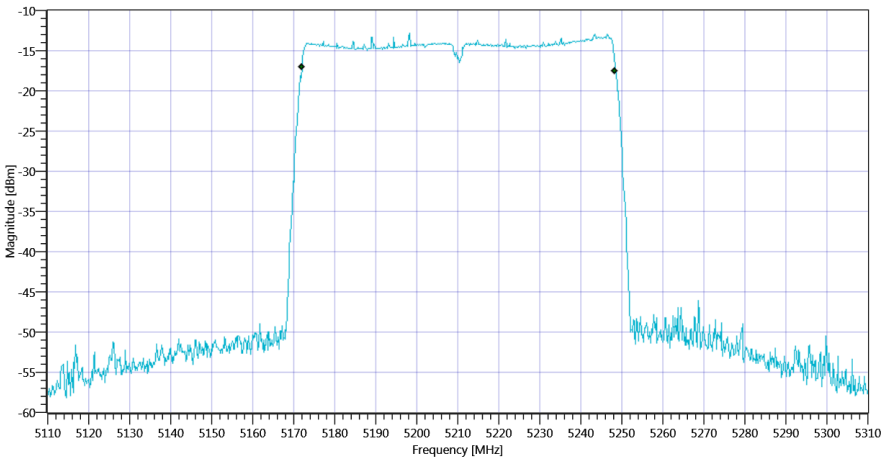
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5210 MHz

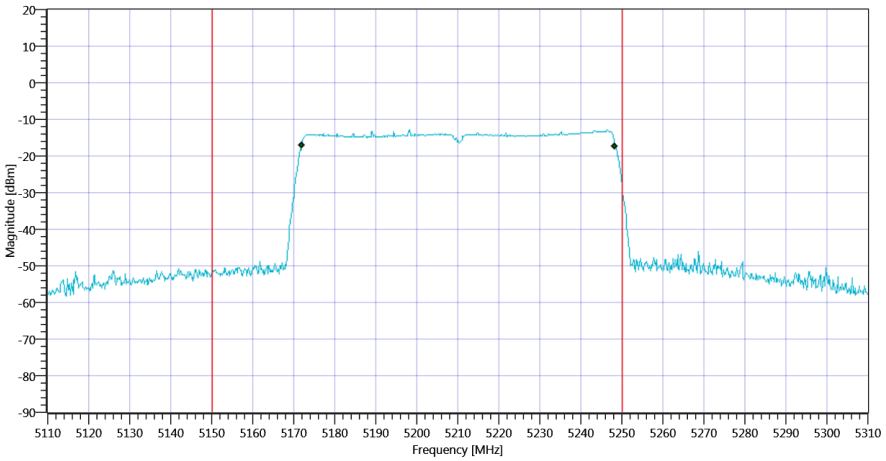
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-5.75 | 14.44 | 0
Start [MHz] | Stop [MHz]	5110.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.324	MHz	Information
T1 99%	5150.000000	---	5172.0380	MHz	PASS
T2 99%	---	5250.000000	5248.3616	MHz	PASS



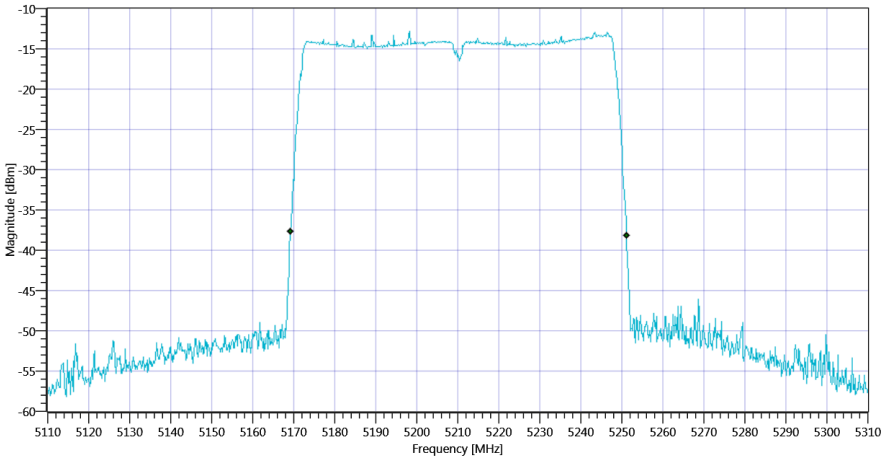
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 99PCT_26112019_162415.png



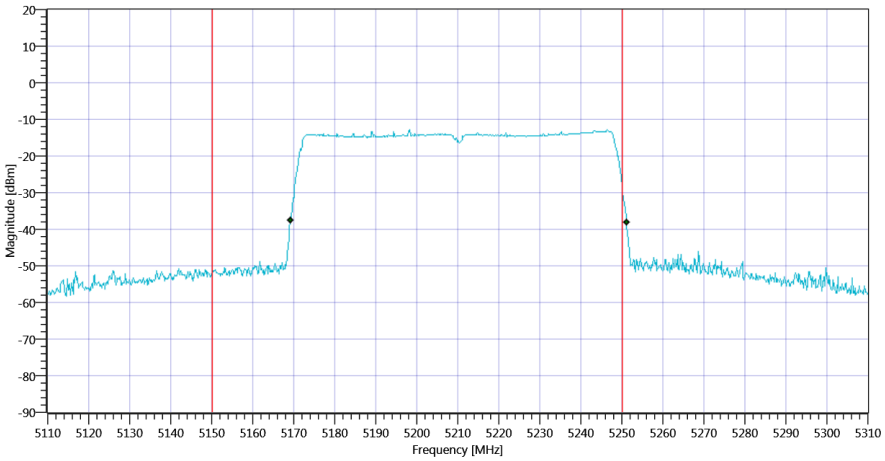
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1_26112019_162418.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82	MHz	Information
T1 26dB	5150.000000	---	5169.2000	MHz	PASS
T2 26dB	---	5250.000000	5251.2000	MHz	DFS required



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 26dB_26112019_162421.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1_26112019_162424.png

TEST FINISHED		
General Verdict	26.11.2019 16:24:25 / RT: 41 s	PASS

11. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A

Test References	
TC Start	26.11.2019 16:38:58
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 ac-VHT80 mode U-NII-2A
Add. Information	

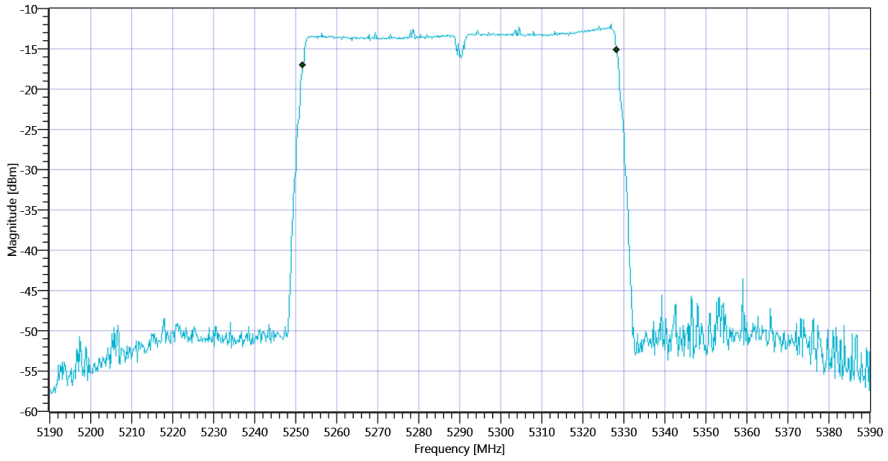
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5290 MHz

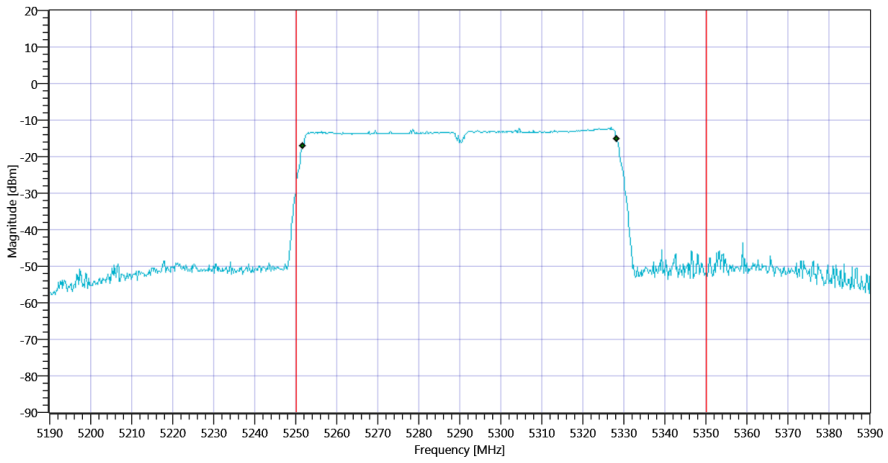
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-4.24 | 14.27 | 0
Start [MHz] | Stop [MHz]	5190.000 | 5390.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.523	MHz	Information
T1 99%	5250.000000	---	5251.8382	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.3616	MHz	PASS



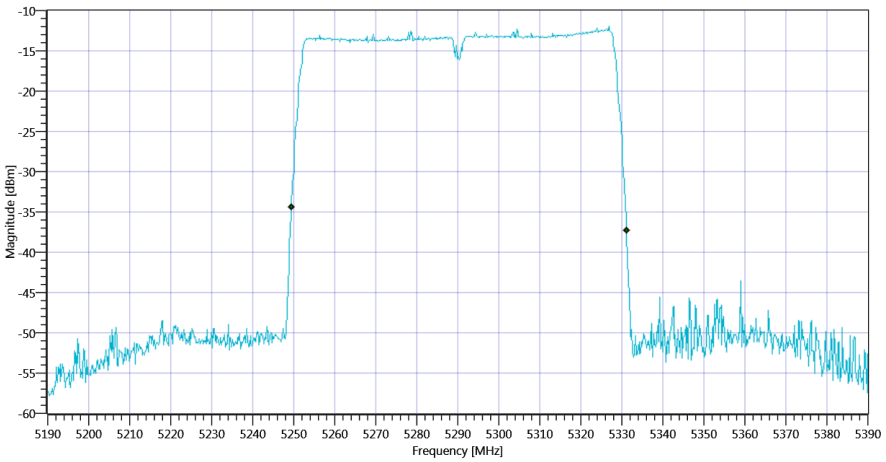
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A 99PCT_26112019_163926.png



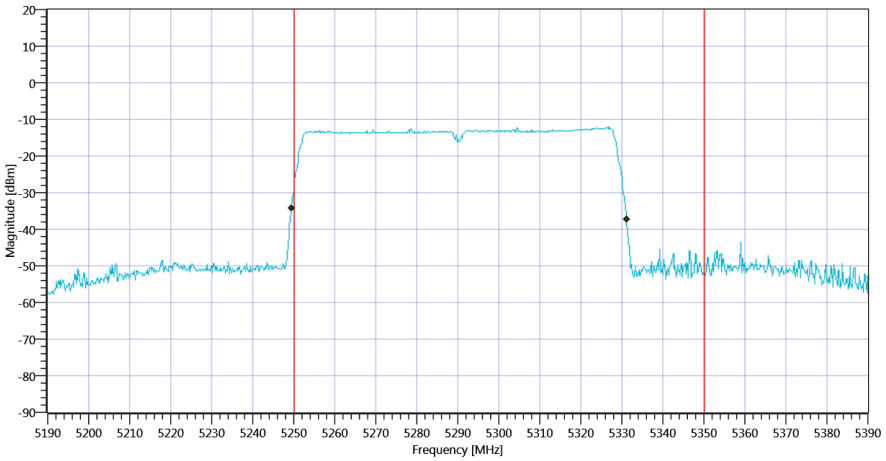
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A_26112019_163929.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.8	MHz	Information
T1 26dB	5250.000000	---	5249.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5331.2000	MHz	PASS



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A 26dB_26112019_163933.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A_26112019_163936.png

TEST FINISHED		
General Verdict	26.11.2019 16:39:36 / RT: 38 s	PASS

12. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	26.11.2019 16:49:58
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 ac-VHT80 mode U-NII-2C
Add. Information	

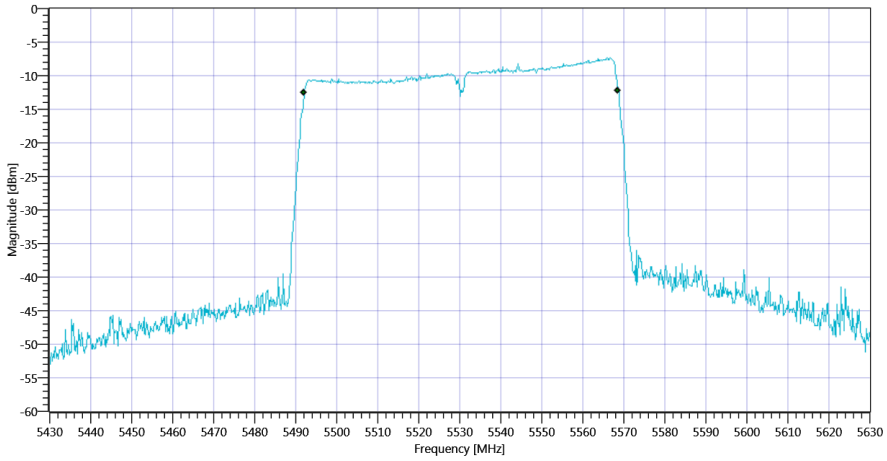
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5530 MHz

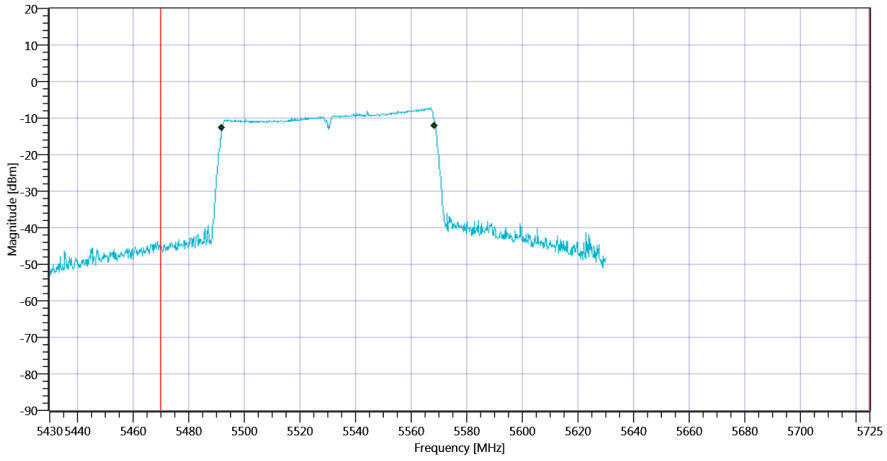
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-0.22 | 14.13 | 5
Start [MHz] | Stop [MHz]	5430.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.523	MHz	Information
T1 99%	5470.000000	---	5492.0380	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.5614	MHz	



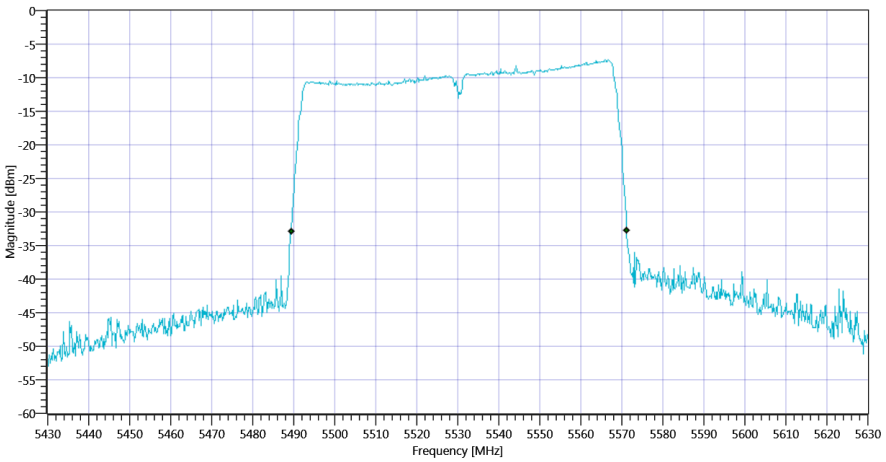
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 99PCT_26112019_165023.png



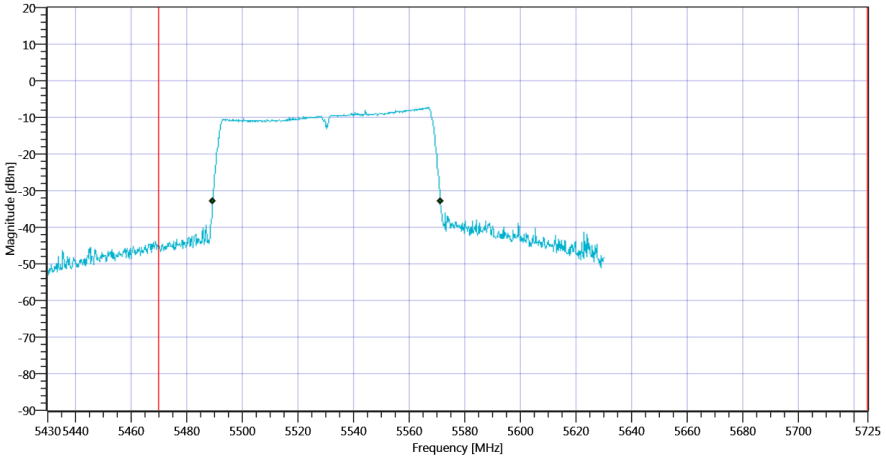
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_26112019_165026.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.8	MHz	Information
T1 26dB	5470.000000	---	5489.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5571.2000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 26dB_26112019_165029.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_26112019_165032.png

TEST FINISHED		
General Verdict	26.11.2019 16:50:33 / RT: 34 s	PASS

13. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	06.12.2019 10:40:59
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 ac-VHT80 mode U-NII-2C
Add. Information	

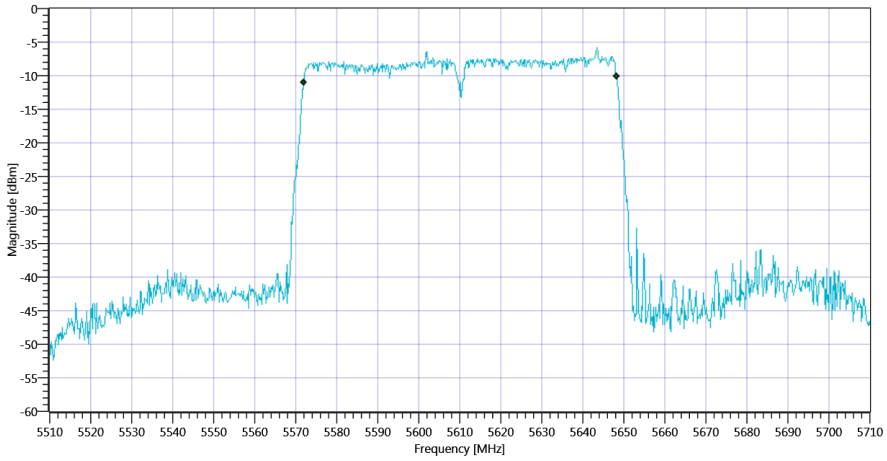
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5610 MHz

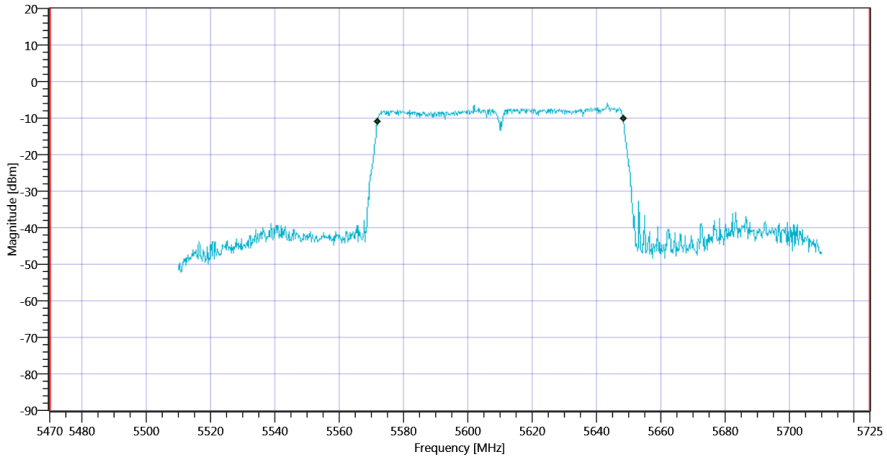
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	0.06 | 14.18 | 5
Start [MHz] | Stop [MHz]	5510.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.324	MHz	Information
T1 99%	5470.000000	---	5572.0380	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.3616	MHz	



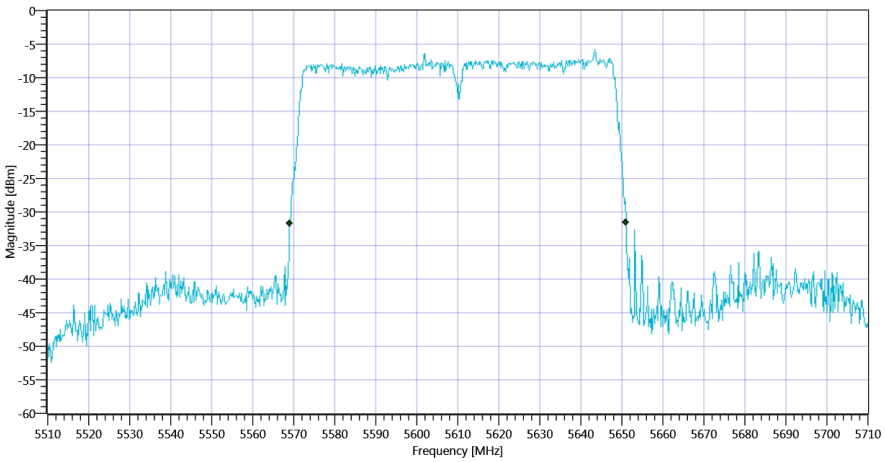
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 99PCT_06122019_104123.png



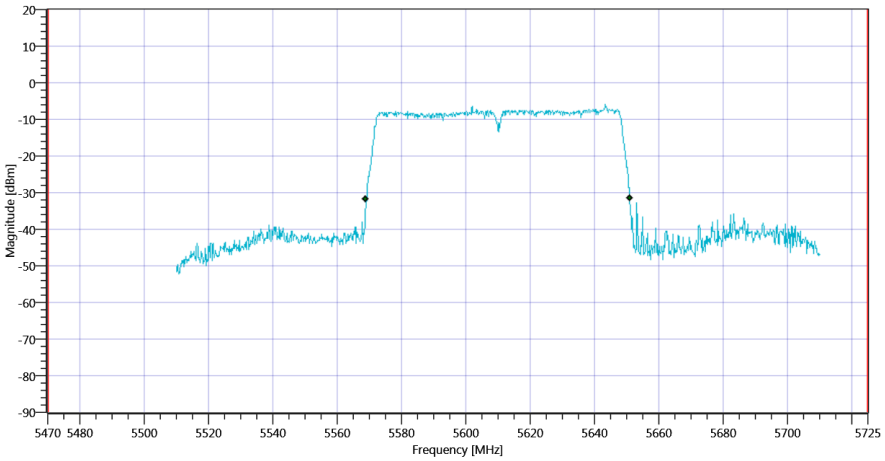
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_06122019_104126.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82	MHz	Information
T1 26dB	5470.000000	---	5569.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5651.0000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 26dB_06122019_104129.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_06122019_104132.png

TEST FINISHED		
General Verdict	06.12.2019 10:41:32 / RT: 33 s	PASS

14. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	06.12.2019 10:46:12
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 ac-VHT80 mode U-NII-3
Add. Information	

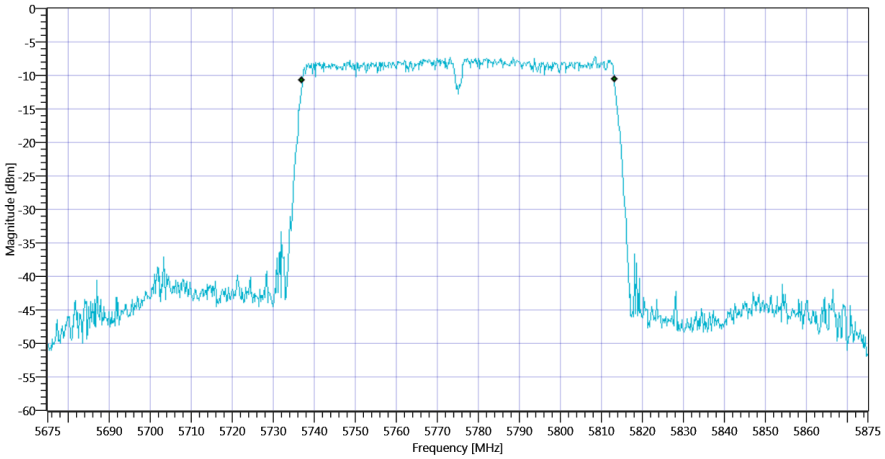
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5775 MHz

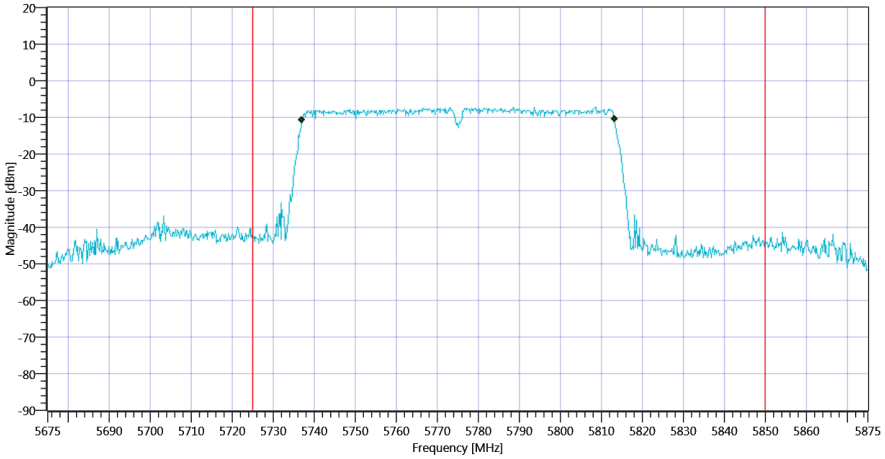
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-0.50 | 14.25 | 5
Start [MHz] | Stop [MHz]	5675.000 | 5875.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.124	MHz	Information
T1 99%	5725.000000	---	5737.0380	MHz	PASS
T2 99%	---	5850.000000	5813.1618	MHz	PASS



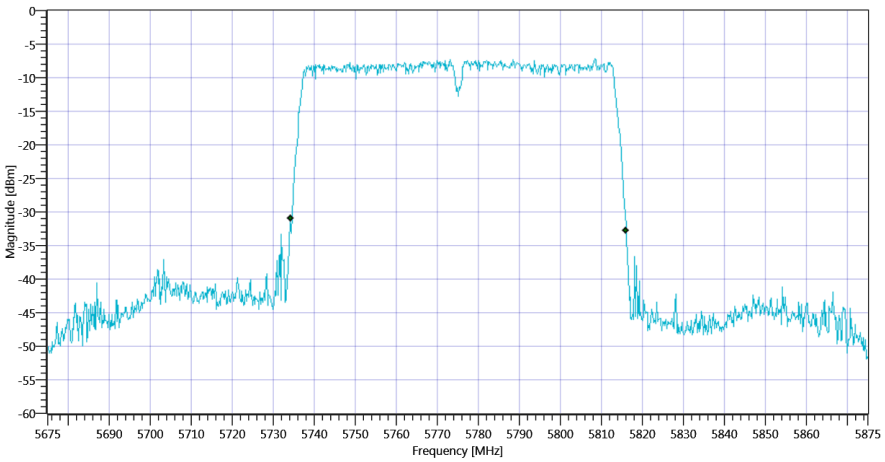
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3 99PCT_06122019_104637.png



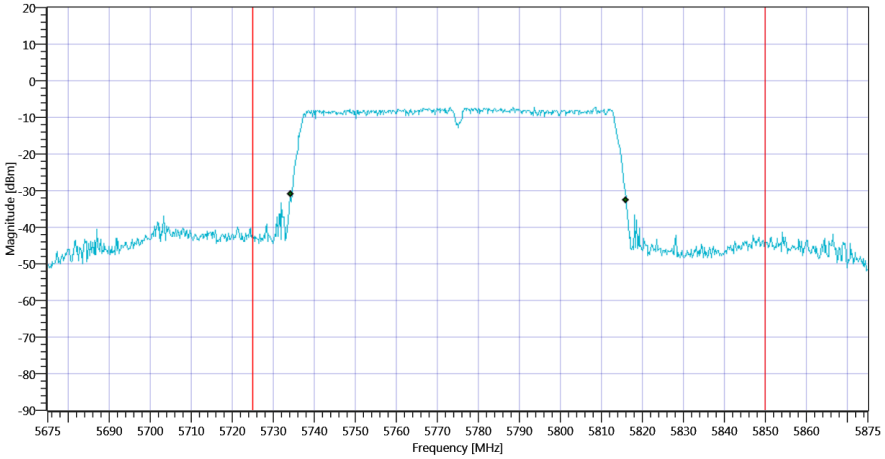
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3_06122019_104640.png

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.8	MHz	Information
T1 26dB	5725.000000	---	5734.2000	MHz	PASS
T2 26dB	---	5850.000000	5816.0000	MHz	PASS



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3 26dB_06122019_104644.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3_06122019_104646.png

TEST FINISHED		
General Verdict	06.12.2019 10:46:47 / RT: 34 s	PASS

15. FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	26.11.2019 17:03:32
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, C.2.
Class / TC Version / TC ID	TC_VM_FCC15407_Min_Emission_BW_V01 Version: 0.0.1 | TCID_FCC15407_2
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

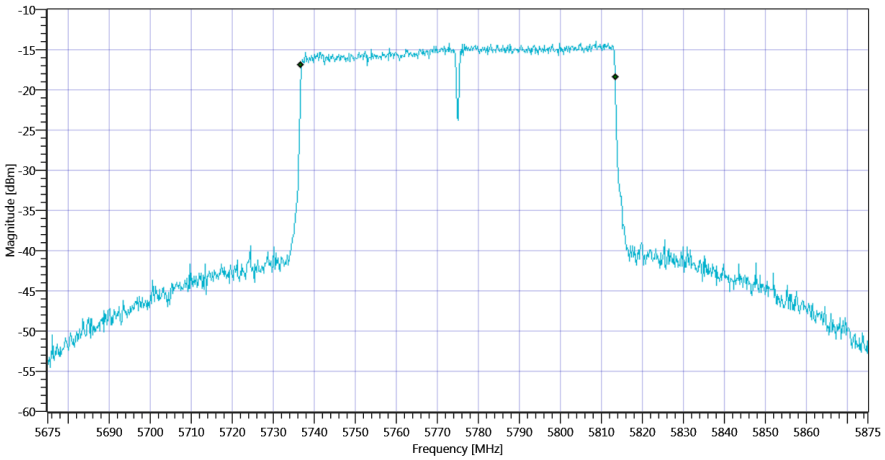
Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60

Test at TX 5775 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	8.06 | 14.25 | 10
Start [MHz] | Stop [MHz]	5675.000 | 5875.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	2 | 1500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Min_Emission_BW_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	76.6	MHz	PASS



Plot_FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx ac-VHT80 mode U-NII-3_26112019_170354.png

TEST FINISHED		
General Verdict	26.11.2019 17:03:54 / RT: 22 s	PASS

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