

Measurement Results

1-9152/19-01-07_log4_conducted

[Test logging](#)

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

Test References	
TC Start	04.12.2019 09:46:14
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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

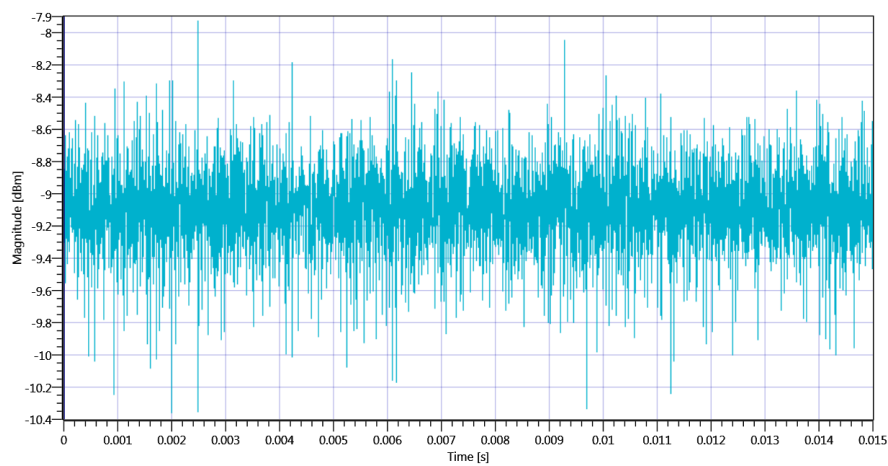
Test at TX 5210 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-10.09	dBm	Information
Ref. Frequency	---	---	5206.200	MHz	Information

RESULT: Duty Cycle evaluation

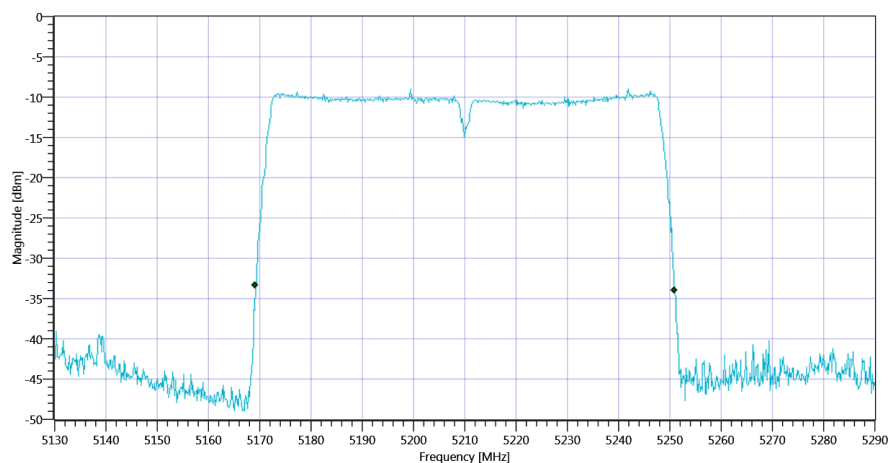
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 5210 MHz - Duty Cycle_04122019_094627.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



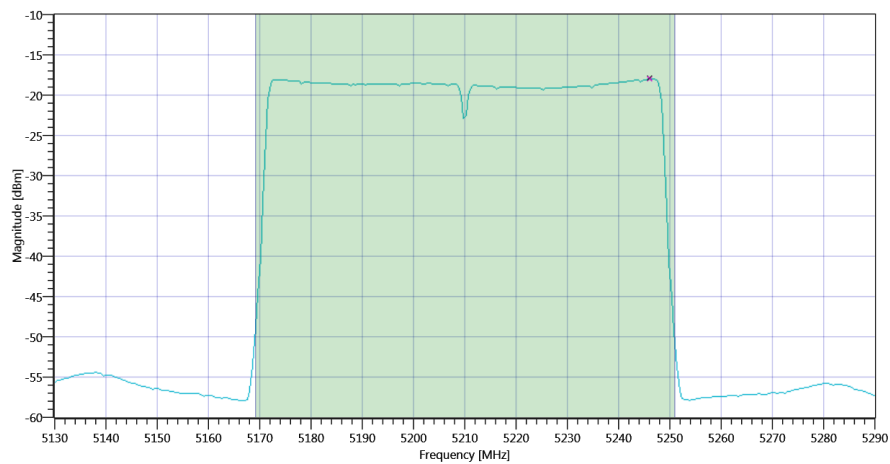
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 BW_04122019_094641.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.91 14.44 5
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	---	---	-0.12	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.12	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	-0.12	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 Max OP and PSD_04122019_094702.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-18	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-18	dBm/1MHz	PASS

TEST FINISHED

General Verdict	04.12.2019 09:47:03 / RT: 49 s	PASS
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2. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A

Test References	
TC Start	04.12.2019 09:49:52
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 ac-VHT80 mode U-NII-2A
Add. Information	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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

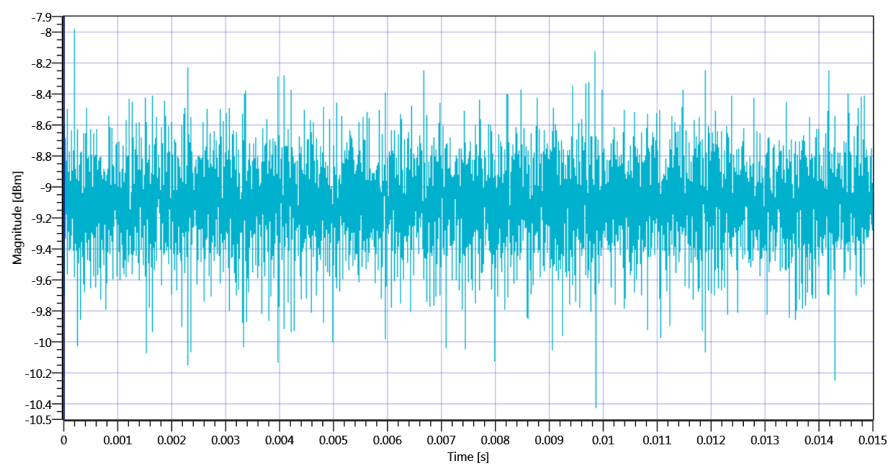
Test at TX 5290 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-10.10	dBm	Information
Ref. Frequency	---	---	5253.240	MHz	Information

RESULT: Duty Cycle evaluation

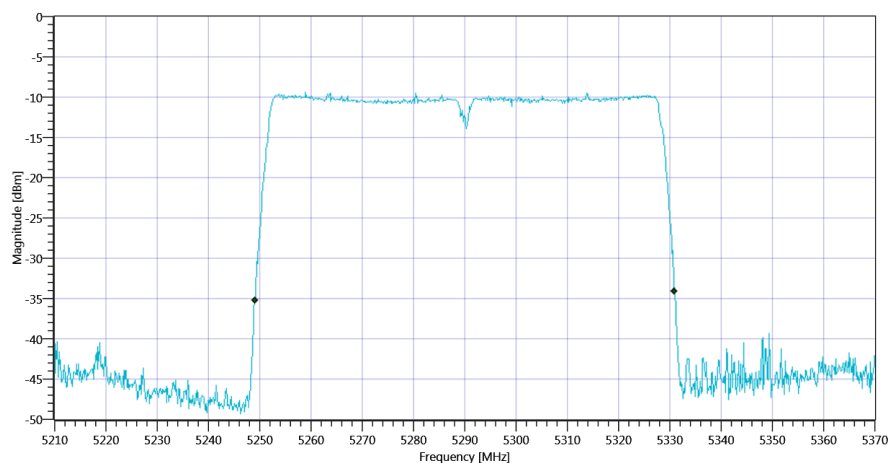
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A 5290 MHz - Duty Cycle_04122019_095005.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	---	---	5249.0400	MHz	Information
T2 26dB	---	---	5330.9600	MHz	Information



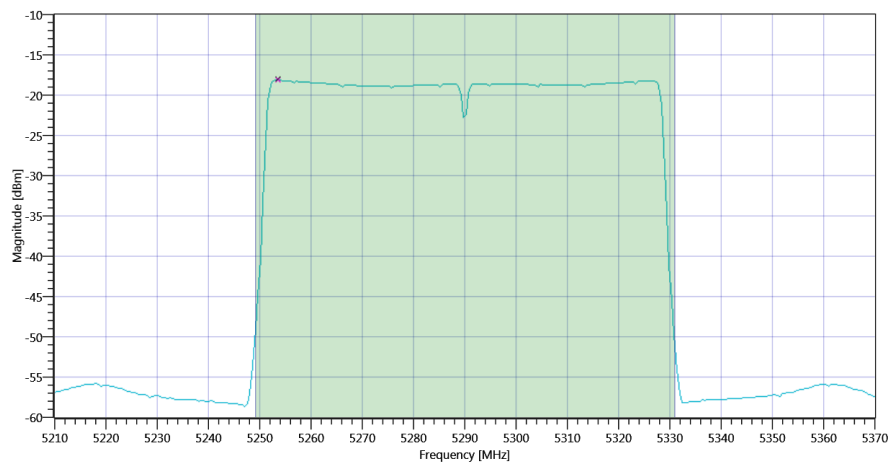
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A BW_04122019_095019.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.90 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	---	---	-0.1	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.1	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	-0.1	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A Max OP and PSD_04122019_095040.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-18.16	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-18.16	dBm/1MHz	PASS

TEST FINISHED

General Verdict 04.12.2019 09:50:41 / 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	18.10.2019 16:28:56
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

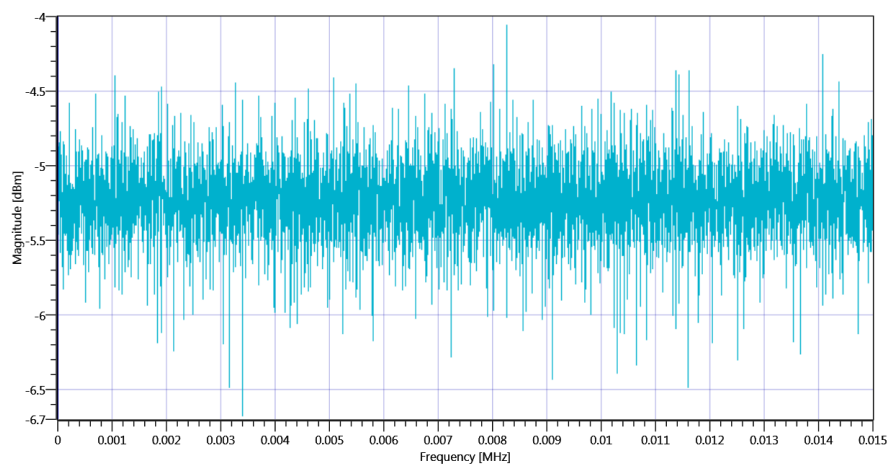
Test at TX 5530 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-5.91	dBm	Information
Ref. Frequency	---	---	5565.360	MHz	Information

RESULT: Duty Cycle evaluation

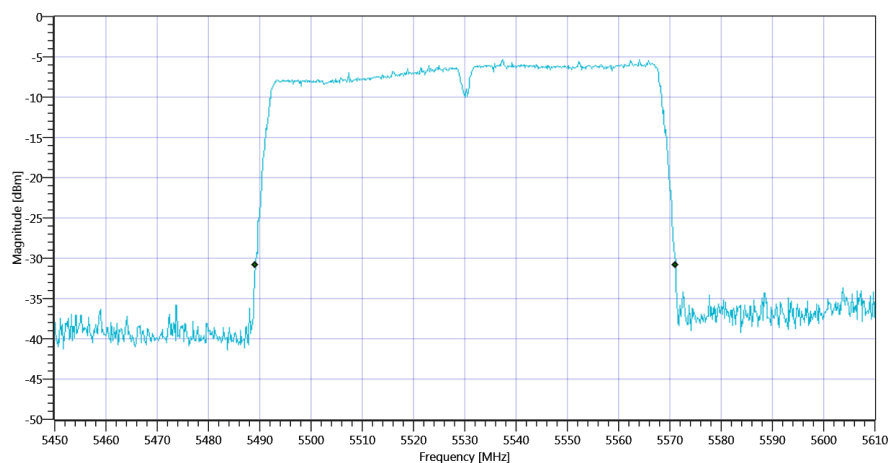
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C 5530 MHz - Duty Cycle_18102019_162910.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	---	---	5489.2000	MHz	Information
T2 26dB	---	---	5571.1200	MHz	Information



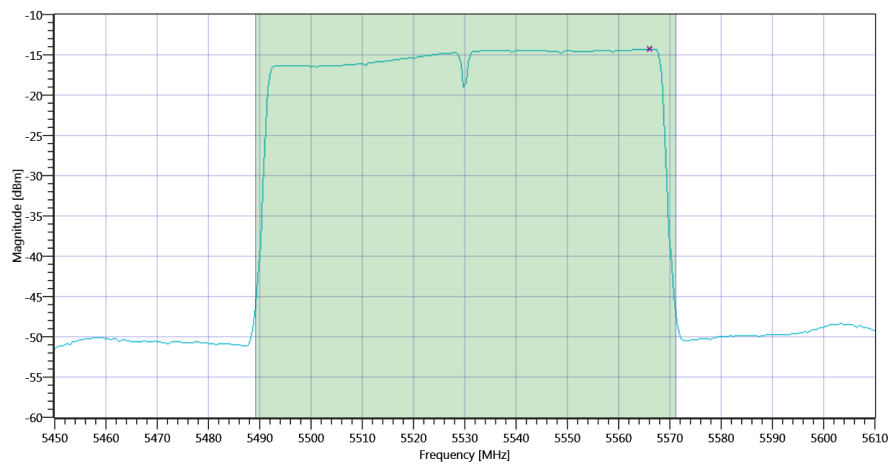
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_18102019_162921.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.09 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	---	---	3.42	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	3.42	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	3.42	dBm	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_18102019_162942.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.3	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.3	dBm/1MHz	PASS

TEST FINISHED

General Verdict 18.10.2019 16:29:43 / 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	18.10.2019 16:33:25
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

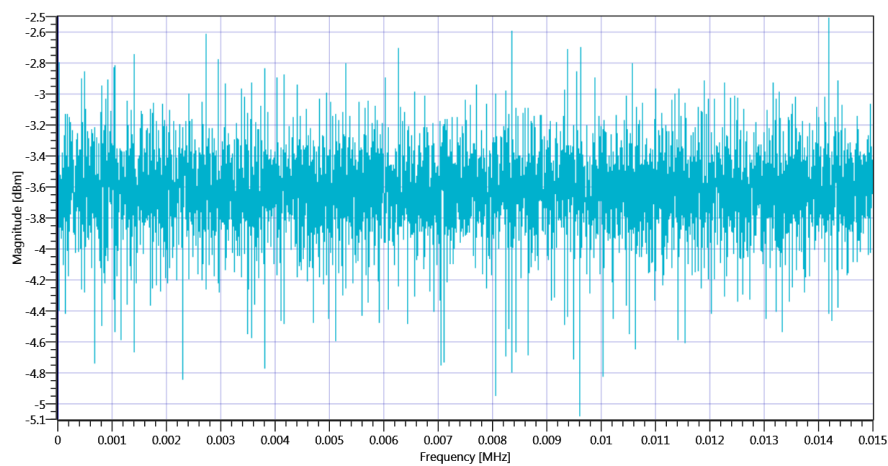
Test at TX 5610 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-4.37	dBm	Information
Ref. Frequency	---	---	5647.160	MHz	Information

RESULT: Duty Cycle evaluation

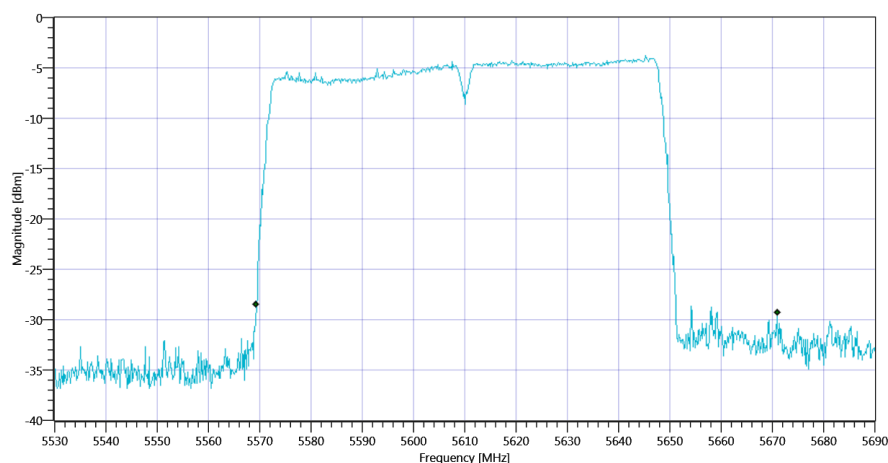
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C 5610 MHz - Duty Cycle_18102019_163339.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	101.6	MHz	Refer to section 17 for results
T1 26dB	---	---	5569.3600	MHz	Information
T2 26dB	---	---	5670.9600	MHz	Information



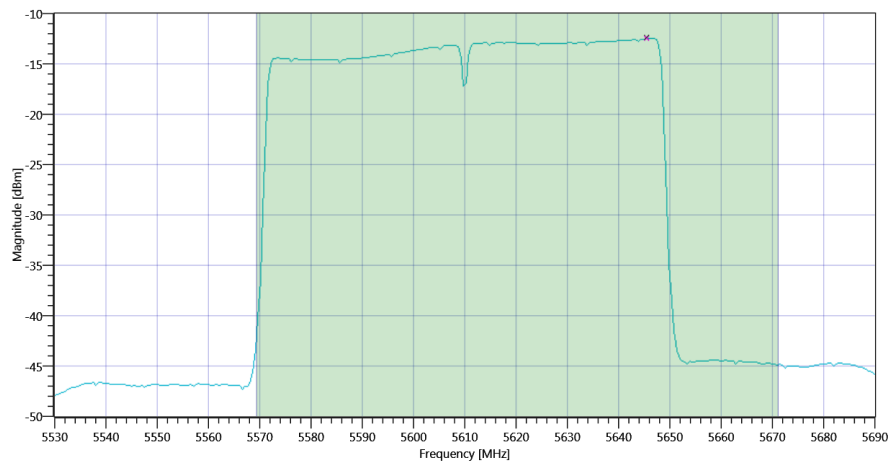
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_18102019_163350.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.63 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	---	---	5.1	dBm	Refer to section 5 for output power results
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	5.1	dBm	Not rated
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	31.07	5.1	dBm	Not rated



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_18102019_163411.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-12.48	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-12.48	dBm/1MHz	Pass

TEST FINISHED

General Verdict 18.10.2019 16:34:12 / RT: 46 s

PASS

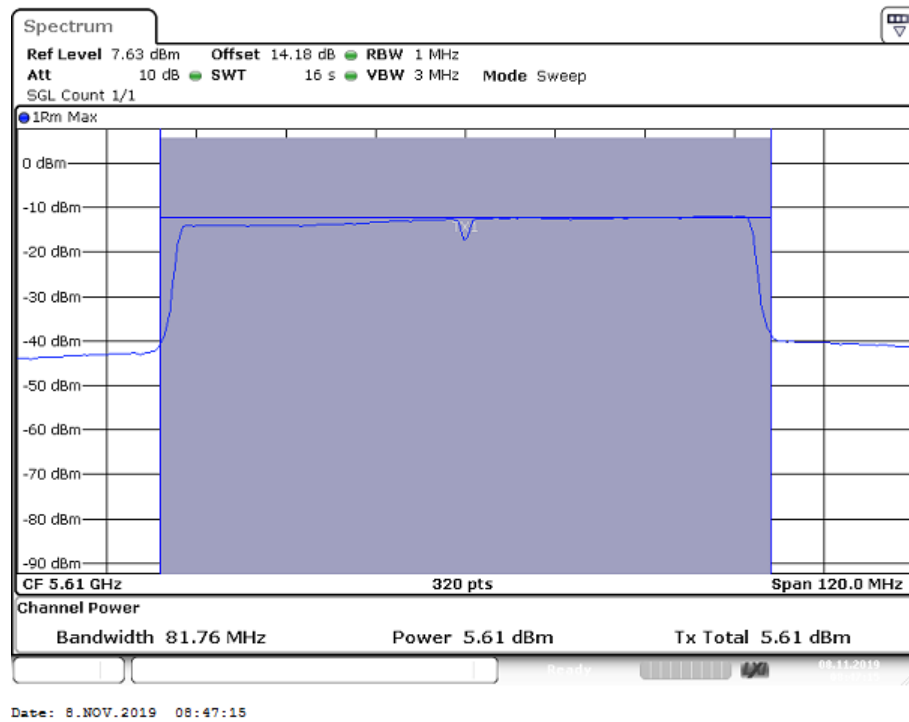
5. FCC Part 15.407 Max Output Power ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	08.11.2019 08:45:36
System Version	1.0.0.21
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1 TCID_Toolbox_2
My Description	Hardcopy Spectrum Analyzer
Add. Information	ac-Mode Kanal 122 Power

IUT DEFINITION & Common settings	
Manufacturer	BOSCH
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-20 20 55
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

Test Parameter	
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60
Additional Information	ac-Mode Kanal 122 Power

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.63 14.18 10
Start [MHz] Stop [MHz]	5550.000 5670.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	16000 1 320 SWE



HC_08112019_084537.png

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					

TEST FINISHED

General Verdict 08.11.2019 08:45:49 / RT: 13 s

PASS

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

Test References	
TC Start	18.10.2019 16:48:41
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

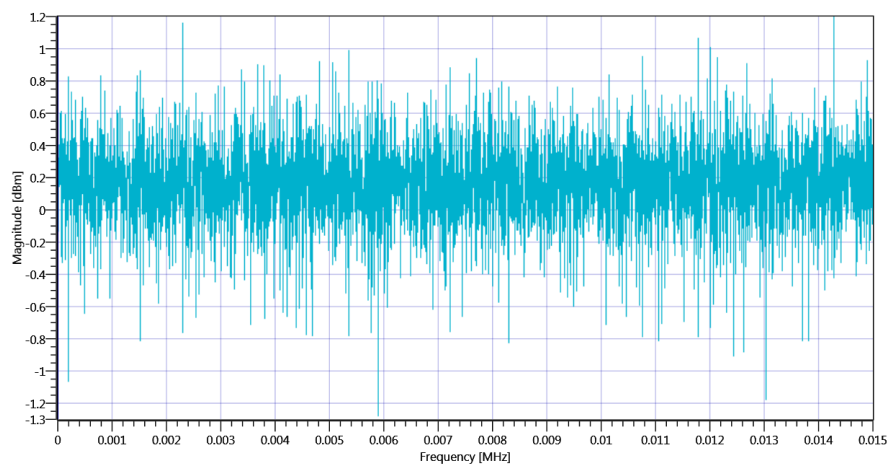
Test at TX 5775 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-0.82	dBm	Information
Ref. Frequency	---	---	5810.560	MHz	Information

RESULT: Duty Cycle evaluation

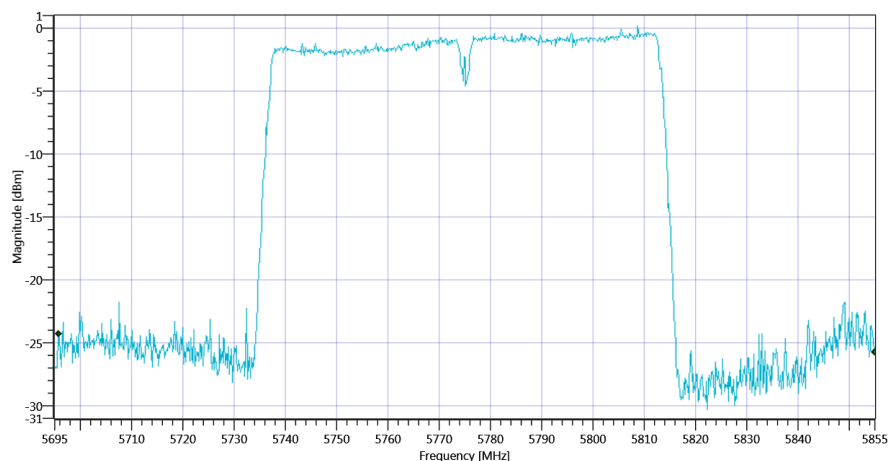
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 5775 MHz - Duty Cycle_18102019_164855.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	159.36	MHz	Refer to section 19 for results
T1 26dB	---	---	5695.6400	MHz	Information
T2 26dB	---	---	5855.0000	MHz	Information



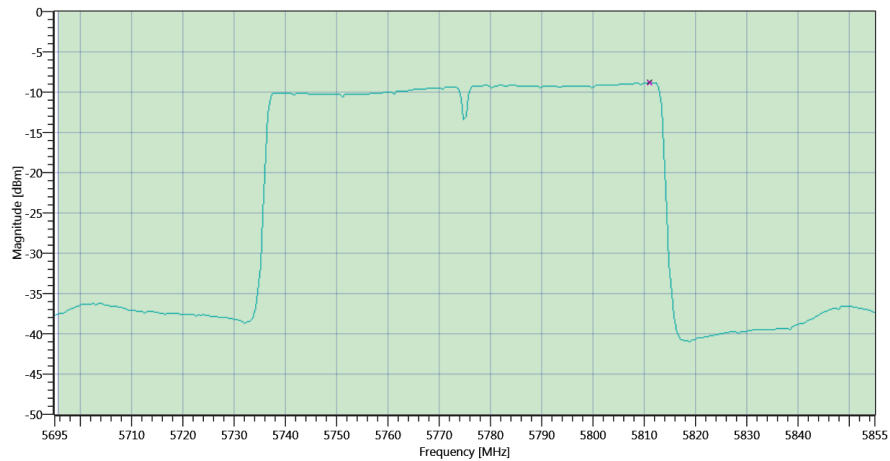
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 BW_18102019_164906.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.18 14.25 15
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	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	---	---	8.97	dBm	Refer to section 7 for output power results
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	8.97	dBm	Not rated
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	33.02	8.97	dBm	Not rated



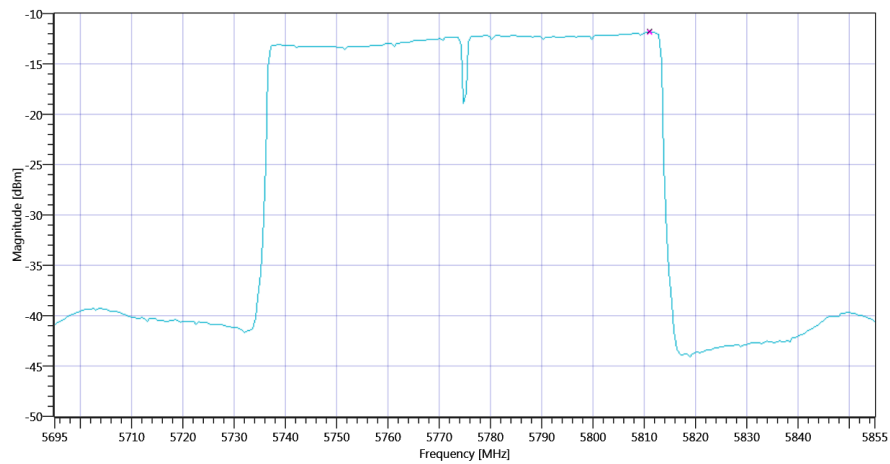
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 Max OP and PSD_18102019_164928.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.18 14.25 15
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	16000 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	---	---	-11.86	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-8.84	dBm/0.5MHz	PASS



Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 PSD UNII-3_18102019_164948.png

TEST FINISHED

General Verdict

18.10.2019 16:49:48 / RT: 67 s

PASS

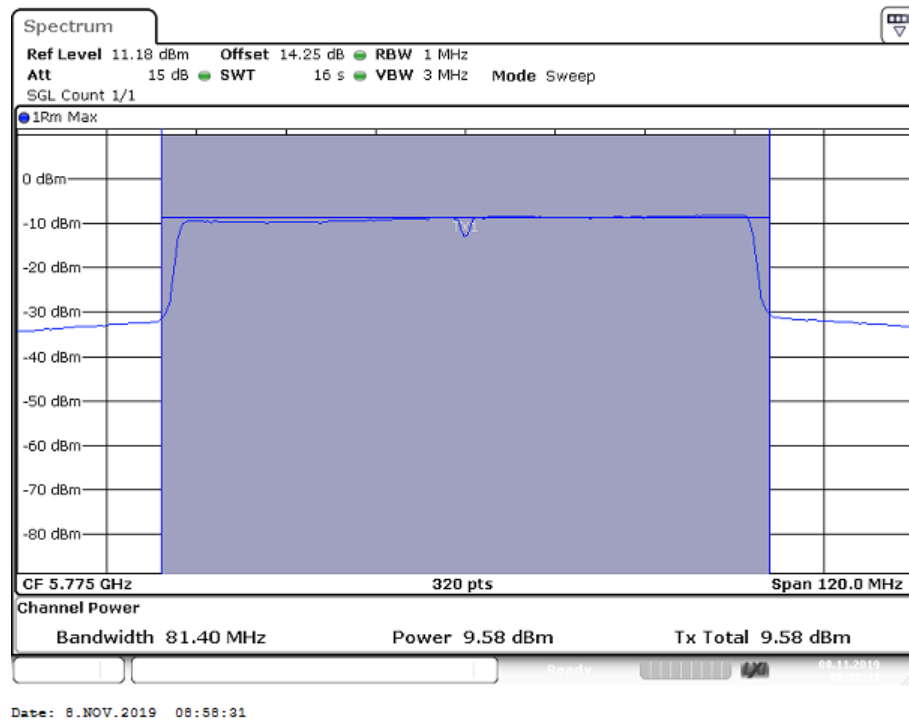
7. FCC Part 15.407 Max Output Power ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	08.11.2019 08:56:52
System Version	1.0.0.21
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1 TCID_Toolbox_2
My Description	Hardcopy Spectrum Analyzer
Add. Information	ac-Mode Kanal 155 Power

IUT DEFINITION & Common settings	
Manufacturer	BOSCH
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-20 20 55
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

Test Parameter	
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60
Additional Information	ac-Mode Kanal 155 Power

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.18 14.25 15
Start [MHz] Stop [MHz]	5715.000 5835.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	16000 1 320 SWE



HC_08112019_085653.png

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					

TEST FINISHED

General Verdict 08.11.2019 08:57:05 / RT: 12 s

PASS

8. ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1

Test References	
TC Start	04.12.2019 09:47:07
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-1
Add. Information	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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

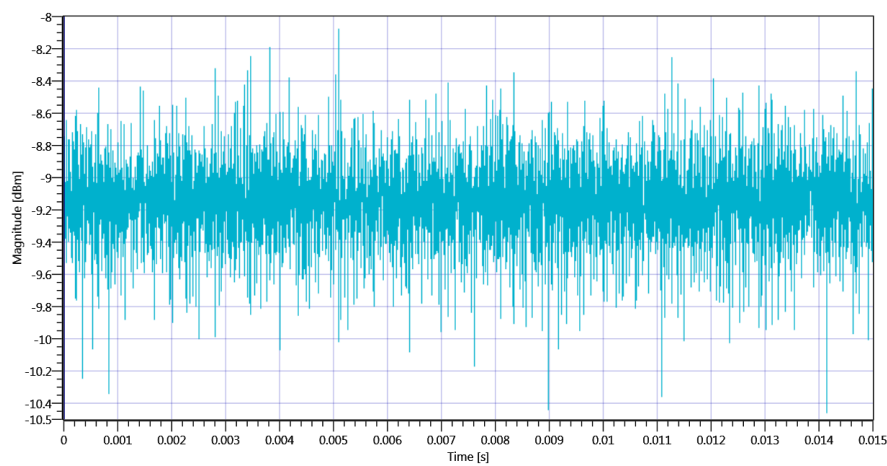
Test at TX 5210 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-9.88	dBm	Information
Ref. Frequency	---	---	5212.400	MHz	Information

RESULT: Duty Cycle evaluation

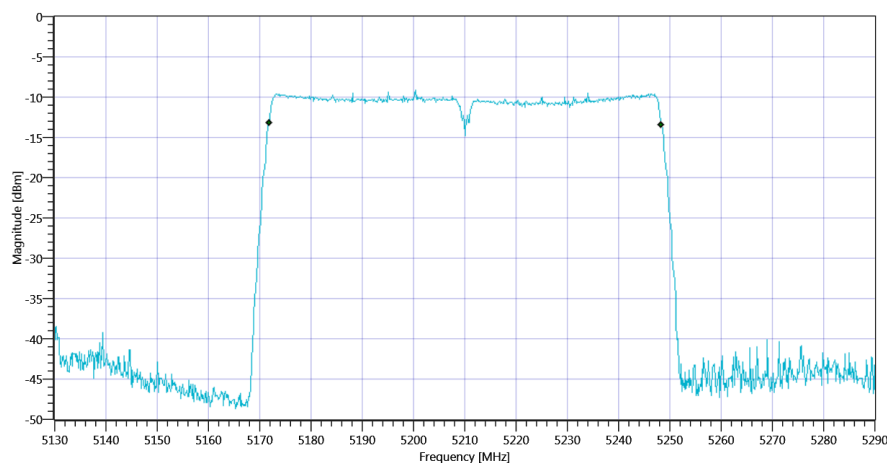
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 5210 MHz - Duty Cycle_04122019_094720.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.563	MHz	Information
T1 99%	---	---	5171.7982	MHz	Information
T2 99%	---	---	5248.3616	MHz	Information



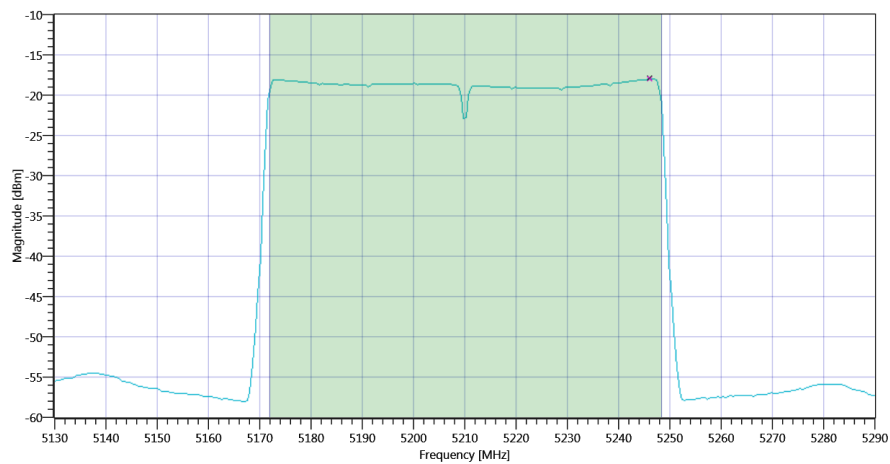
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 BW_04122019_094733.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.12 14.44 5
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	---	---	-0.18	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.18	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.84	-0.18	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1 Max OP and PSD_04122019_094755.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-18.04	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-18.04	dBm/1MHz	PASS

TEST FINISHED

General Verdict 04.12.2019 09:47:55 / RT: 48 s

PASS

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

Test References	
TC Start	04.12.2019 09:50:44
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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

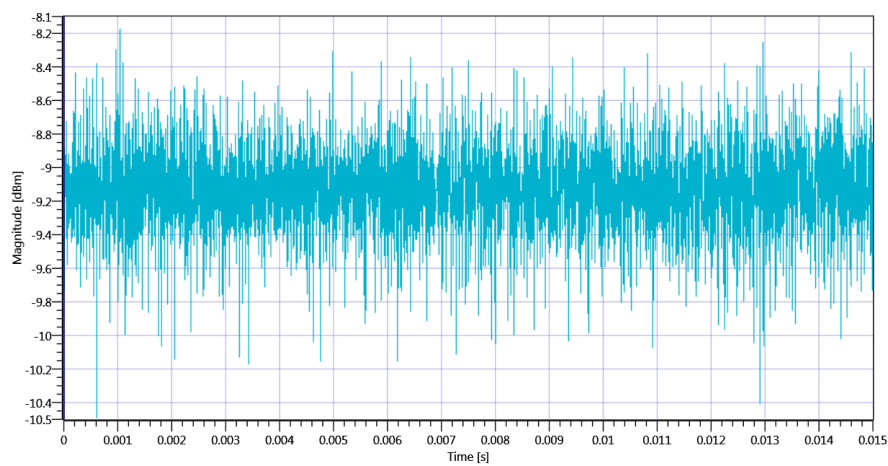
Test at TX 5290 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-10.22	dBm	Information
Ref. Frequency	---	---	5318.970	MHz	Information

RESULT: Duty Cycle evaluation

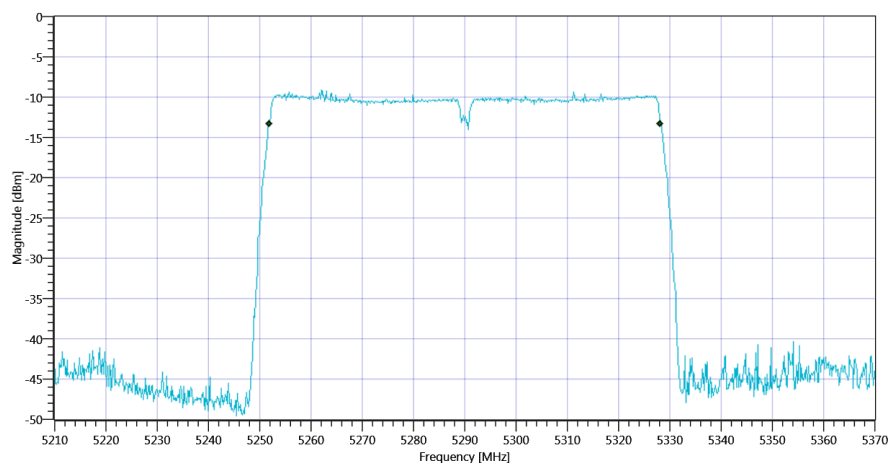
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A 5290 MHz - Duty Cycle_04122019_095057.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



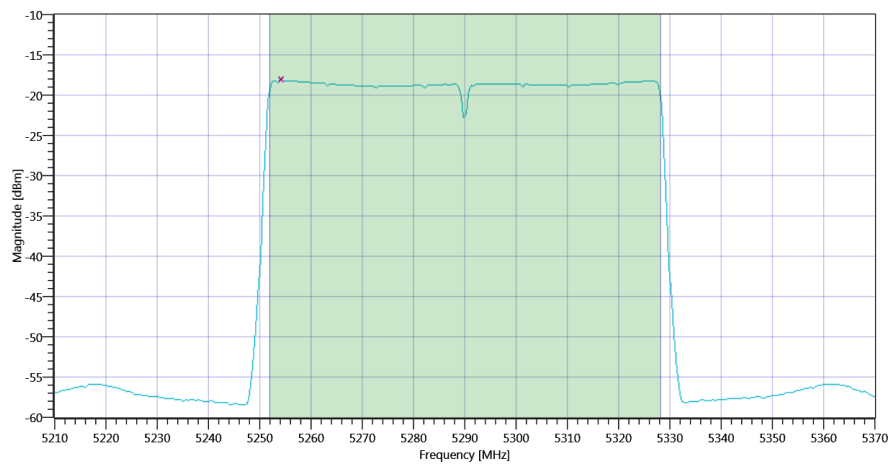
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A BW_04122019_095111.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.78 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	---	---	-0.15	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.15	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.82	-0.15	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A Max OP and PSD_04122019_095132.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-18.17	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-18.17	dBm/1MHz	PASS

TEST FINISHED

General Verdict 04.12.2019 09:51:33 / RT: 48 s

PASS

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

Test References	
TC Start	18.10.2019 16:29:47
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

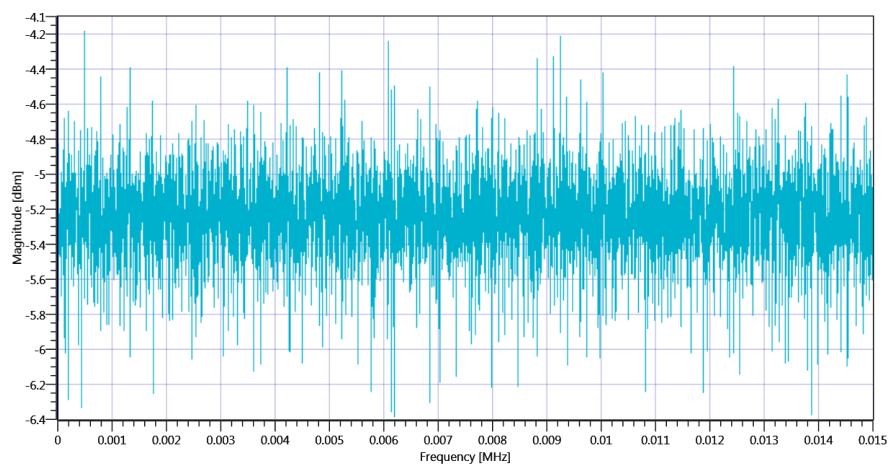
Test at TX 5530 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-6.39	dBm	Information
Ref. Frequency	---	---	5538.390	MHz	Information

RESULT: Duty Cycle evaluation

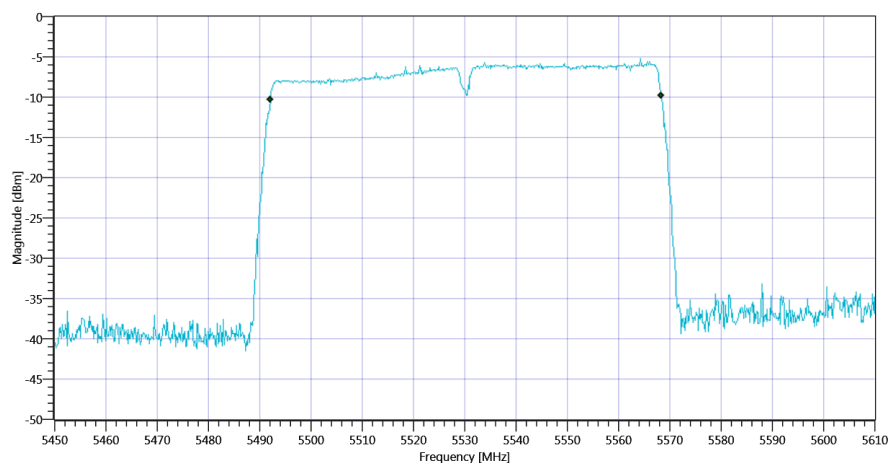
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C 5530 MHz - Duty Cycle_18102019_163000.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%	---	---	5492.1179	MHz	Information
T2 99%	---	---	5568.3616	MHz	Information



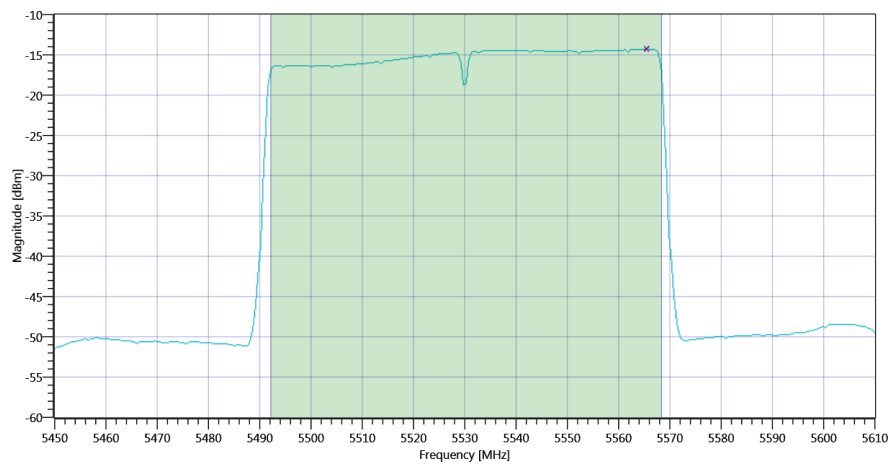
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_18102019_163011.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.61 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	---	---	3.38	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	3.38	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.82	3.38	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_18102019_163033.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.3	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.3	dBm/1MHz	PASS

TEST FINISHED

General Verdict 18.10.2019 16:30:34 / RT: 46 s

PASS

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

Test References	
TC Start	18.10.2019 16:34:16
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

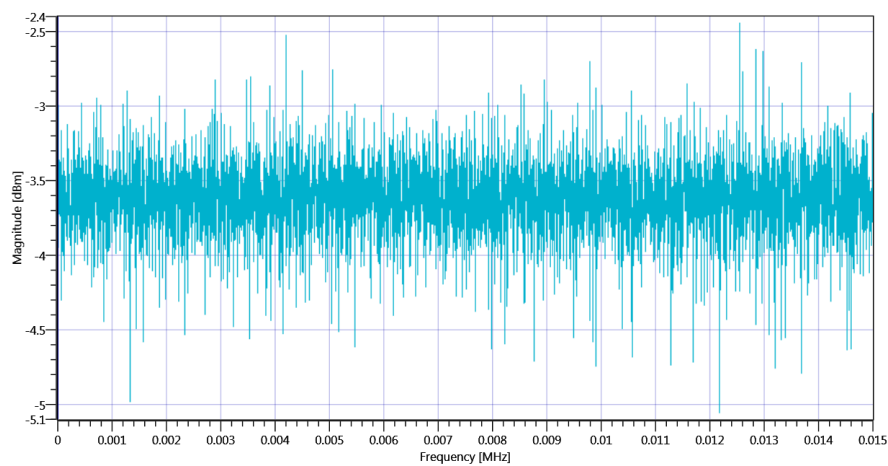
Test at TX 5610 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-4.51	dBm	Information
Ref. Frequency	---	---	5645.960	MHz	Information

RESULT: Duty Cycle evaluation

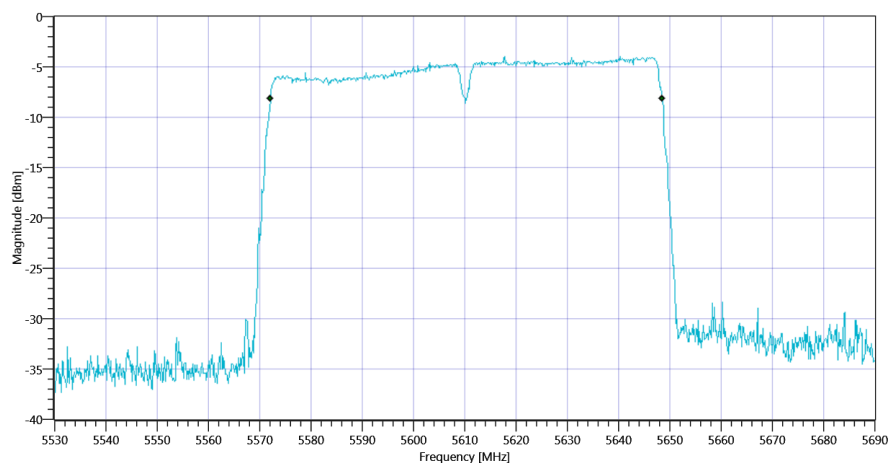
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C 5610 MHz - Duty Cycle_18102019_163429.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%	---	---	5572.1179	MHz	Information
T2 99%	---	---	5648.5215	MHz	Information



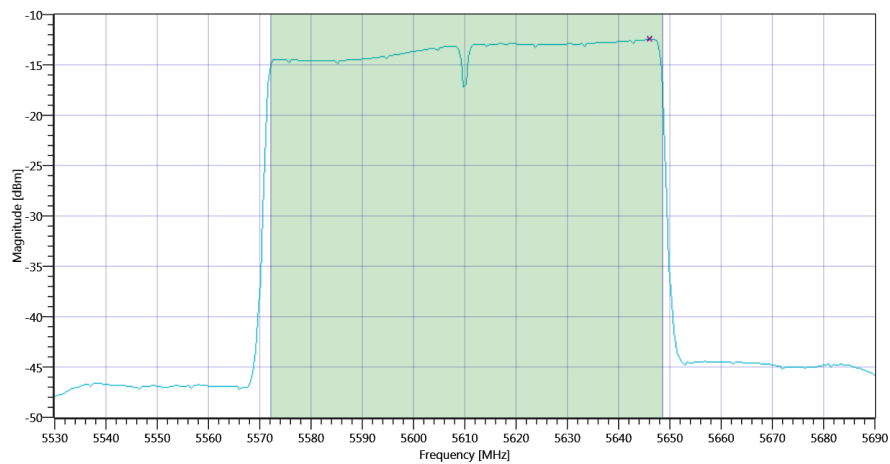
Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C BW_18102019_163441.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.50 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	---	---	5.06	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	5.06	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.83	5.06	dBm	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2C Max OP and PSD_18102019_163502.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-12.48	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-12.48	dBm/1MHz	PASS

TEST FINISHED

General Verdict 18.10.2019 16:35:03 / RT: 47 s

PASS

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

Test References	
TC Start	18.10.2019 16:49:53
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

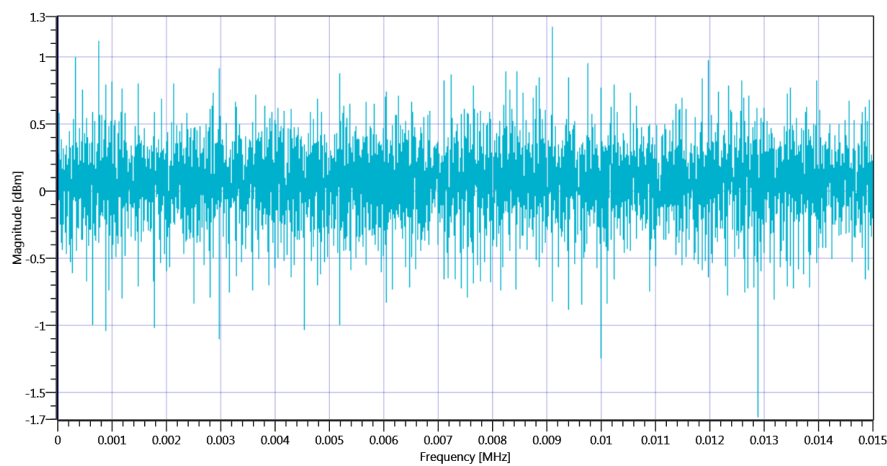
Test at TX 5775 MHz

RESULT: Reference Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-0.71	dBm	Information
Ref. Frequency	---	---	5811.160	MHz	Information

RESULT: Duty Cycle evaluation

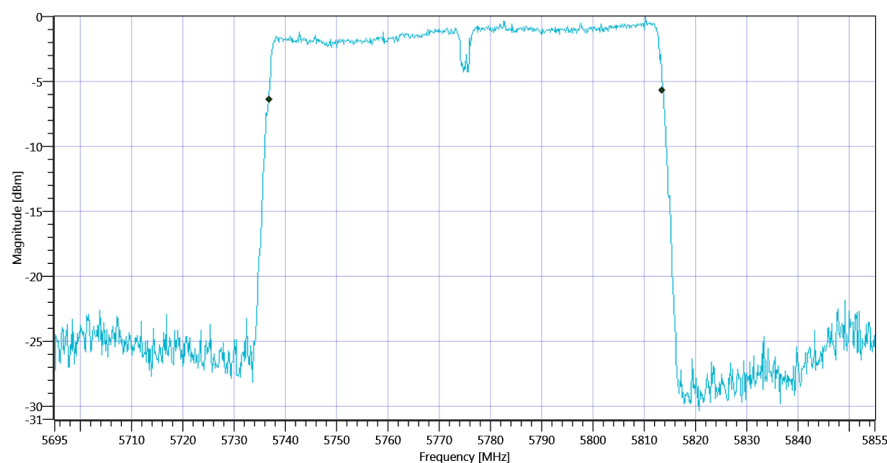
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 5775 MHz - Duty Cycle_18102019_165006.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%	---	---	5736.7982	MHz	Information
T2 99%	---	---	5813.5215	MHz	Information

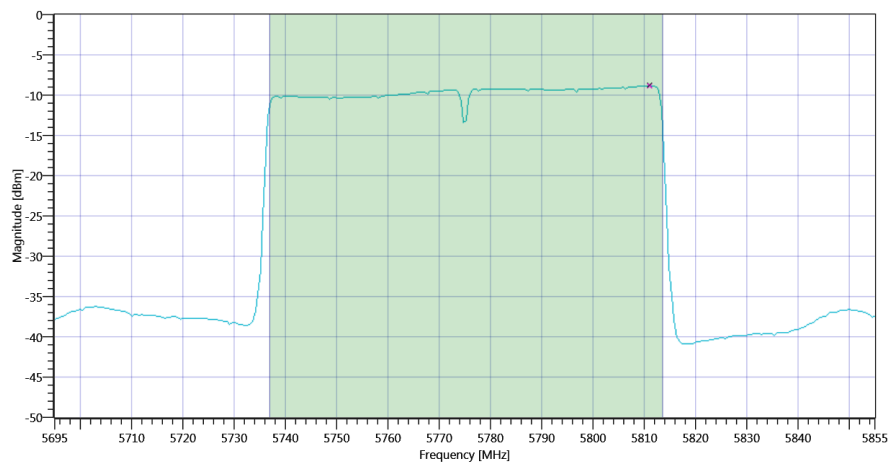


Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 BW_18102019_165017.png

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 14.25 15
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	16000 1 320 SWE

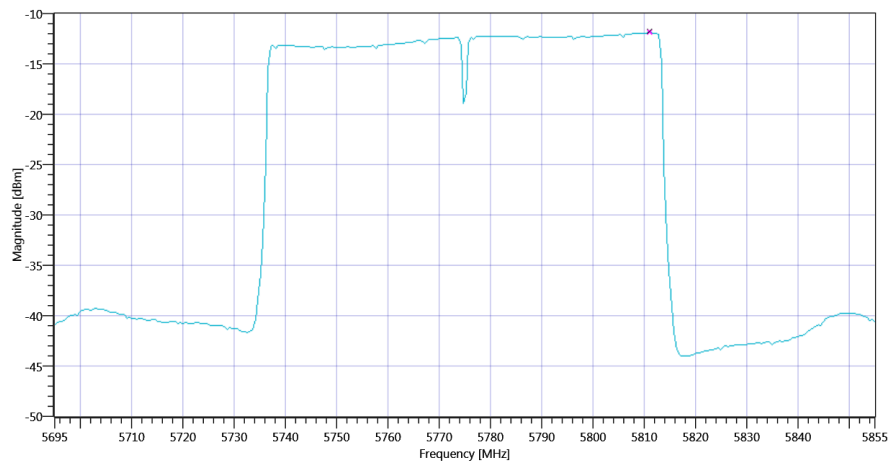
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	8.9	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	8.9	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29.85	8.9	dBm	not applicable



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 Max OP and PSD_18102019_165039.png

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 14.25 15
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	16000 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	---	---	-11.9	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-8.88	dBm/0.5MHz	PASS



Plot_ISED Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-3 PSD UNII-3_18102019_165100.png

TEST FINISHED

General Verdict

18.10.2019 16:51:00 / RT: 67 s

PASS

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

Test References	
TC Start	04.12.2019 09:47:59
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-1
Add. Information	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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: Reference Power

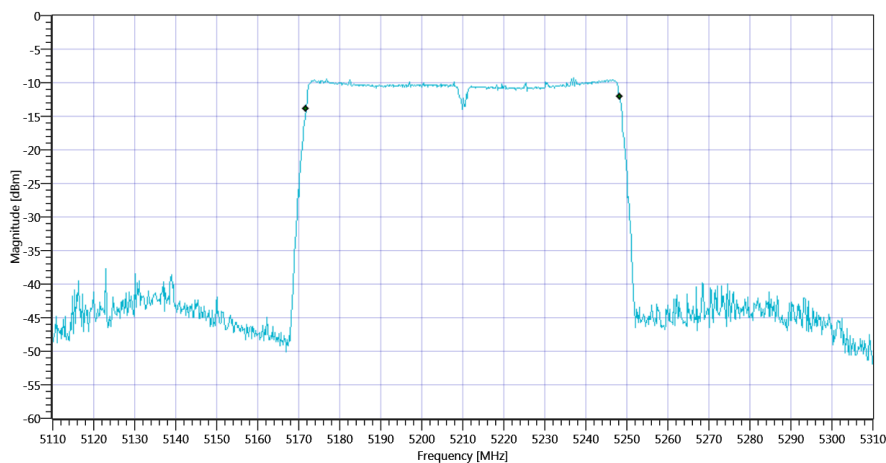
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-10.16	dBm	Information
Ref. Frequency	---	---	5200.810	MHz	Information

READ SA SETTINGS:

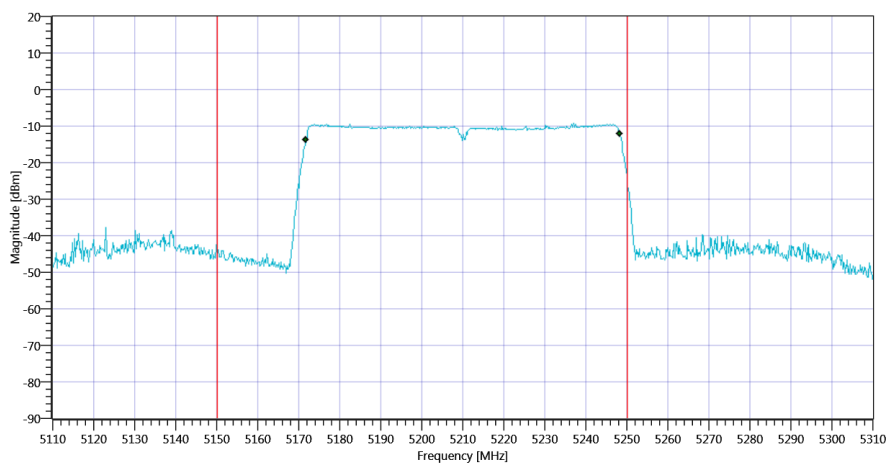
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.16 14.44 0
Start [MHz] Stop [MHz]	5110.000 5310.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.523	MHz	Information
T1 99%	5150.000000	---	5171.8382	MHz	PASS
T2 99%	---	5250.000000	5248.3616	MHz	PASS



Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 99PCT_04122019_094831.png

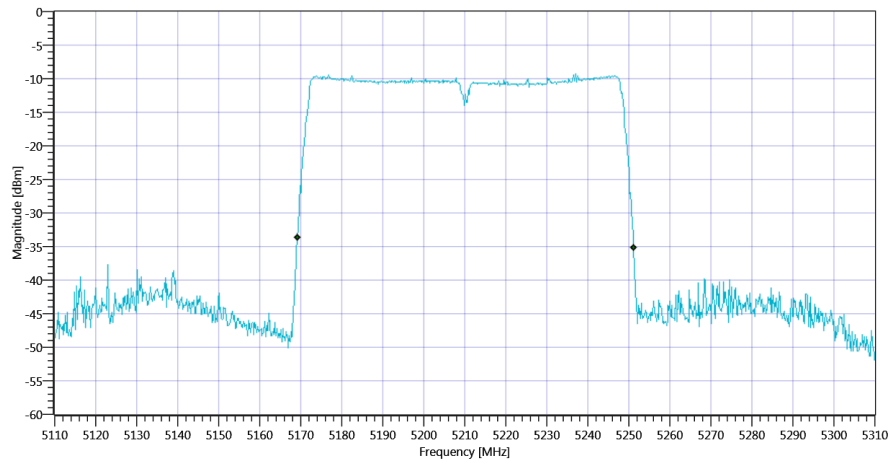


Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1_04122019_094834.png

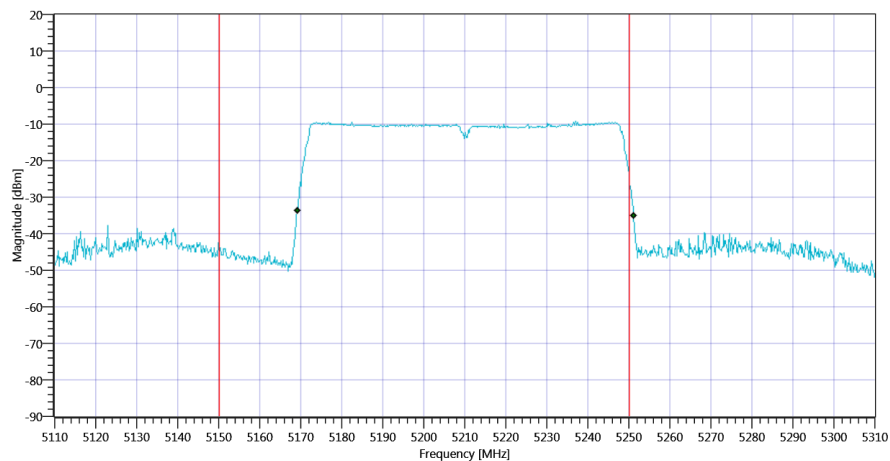
RESULT: TC_VM_FCC15407_Bandwidths_V01

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 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 26dB_04122019_094837.png



Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1_04122019_094840.png

TEST FINISHED

General Verdict

04.12.2019 09:48:40 / RT: 41 s

PASS

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

Test References	
TC Start	04.12.2019 09:51:37
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 20 70
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @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

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: Reference Power

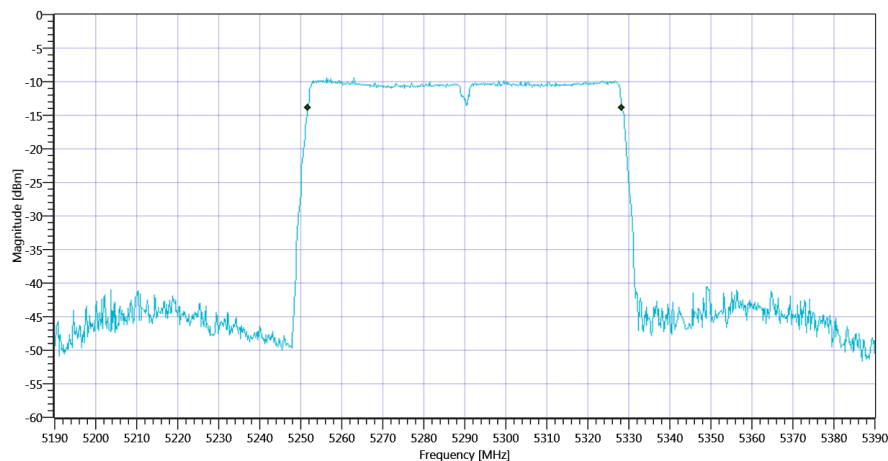
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-9.82	dBm	Information
Ref. Frequency	---	---	5286.200	MHz	Information

READ SA SETTINGS:

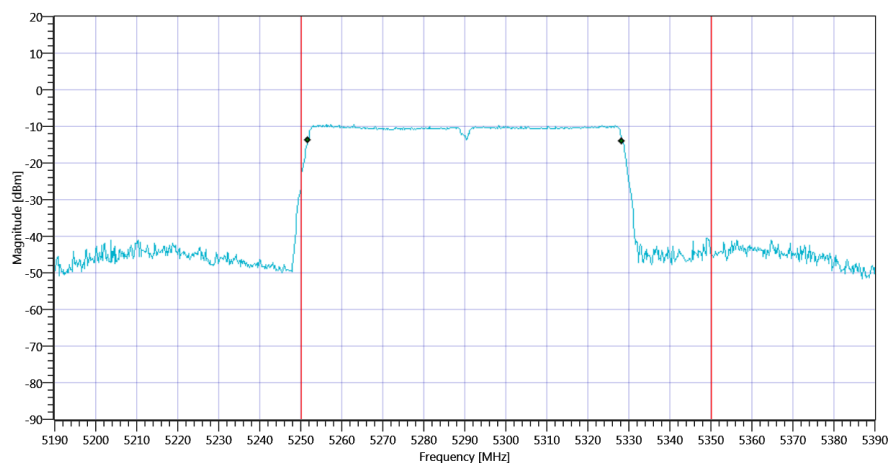
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.82 14.27 0
Start [MHz] Stop [MHz]	5190.000 5390.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

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 & ISM Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A 99PCT_04122019_095205.png

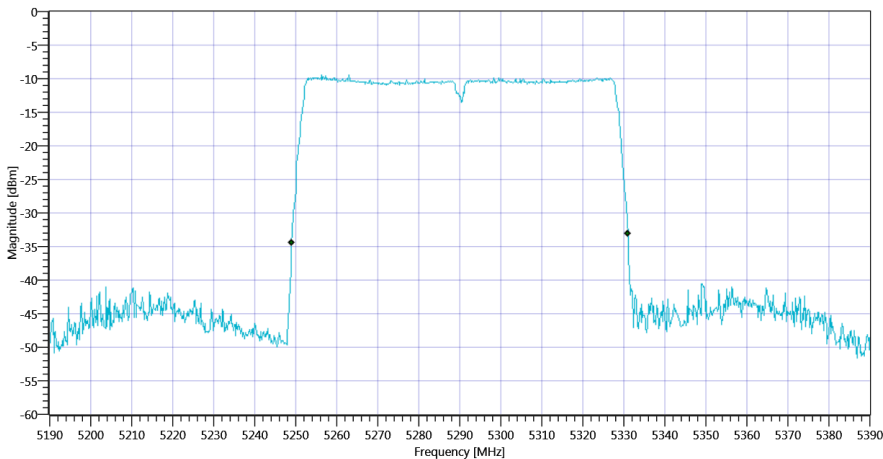


Plot_FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A_04122019_095208.png

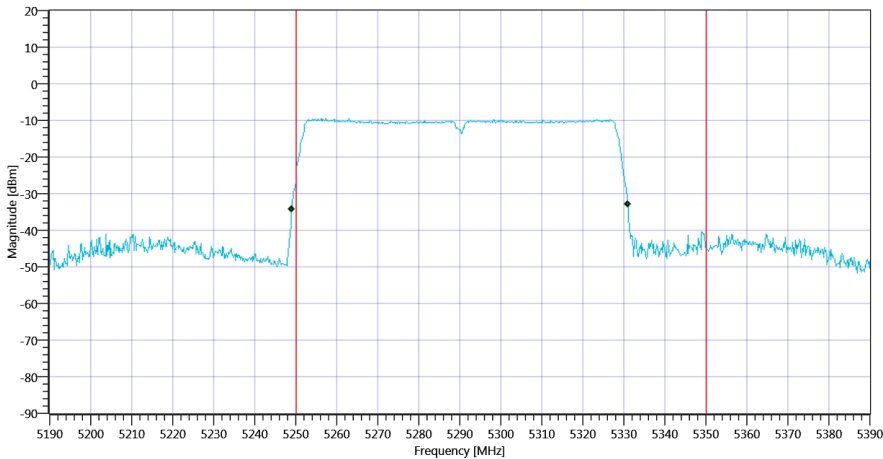
RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
------------------	-------------	-------------	----------	------	---------

Bandwidth 26dB	---	---	82	MHz	Information
T1 26dB	5250.000000	---	5249.0000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5331.0000	MHz	PASS



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A 26dB_04122019_095211.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2A_04122019_095214.png

TEST FINISHED		
General Verdict	04.12.2019 09:52:14 / RT: 37 s	PASS

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

Test References	
TC Start	18.10.2019 16:30:38
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

Test at TX 5530 MHz

RESULT: Reference Power

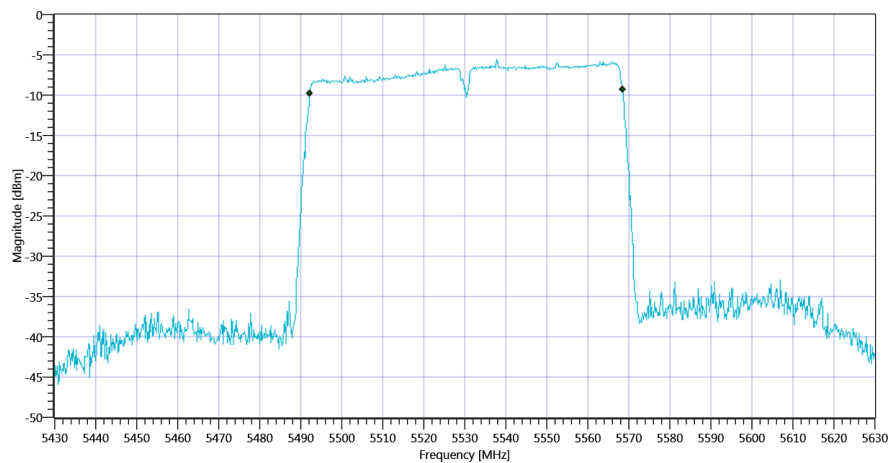
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-6.32	dBm	Information
Ref. Frequency	---	---	5563.970	MHz	Information

READ SA SETTINGS:

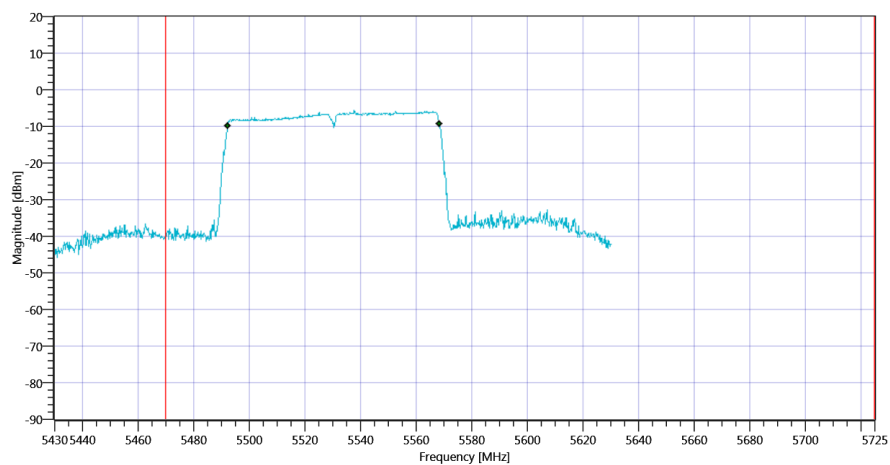
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.68 14.13 5
Start [MHz] Stop [MHz]	5430.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.324	MHz	Information
T1 99%	5470.000000	---	5492.2378	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.5614	MHz	



Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 99PCT_18102019_163102.png

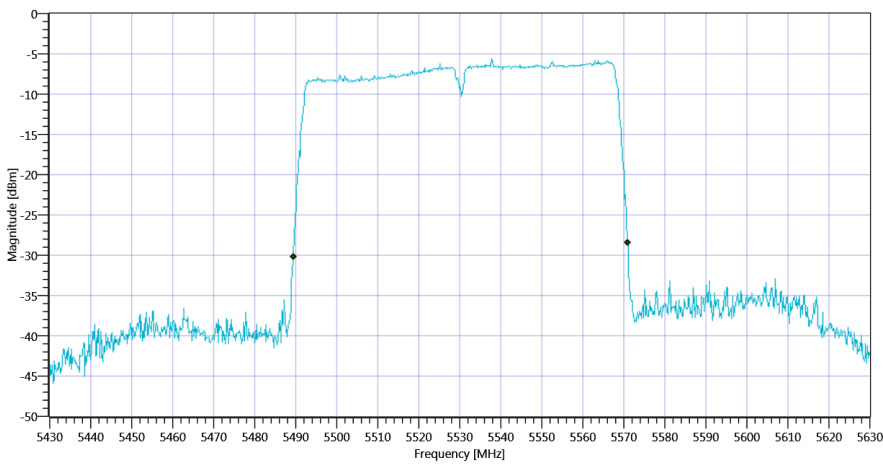


Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_18102019_163105.png

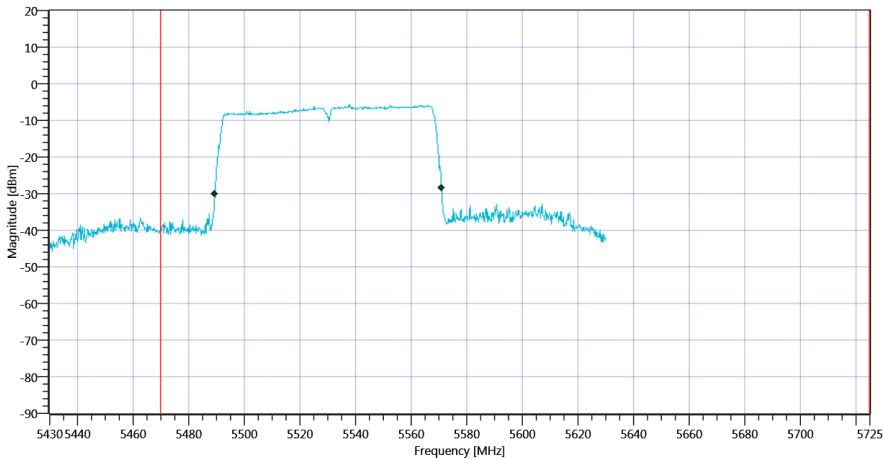
RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
------------------	-------------	-------------	----------	------	---------

Bandwidth 26dB	---	---	81.6	MHz	Information
T1 26dB	5470.000000	---	5489.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5571.0000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_18102019_163109.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_18102019_163112.png

TEST FINISHED		
General Verdict	18.10.2019 16:31:12 / RT: 34 s	PASS

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

Test References	
TC Start	18.10.2019 16:35:07
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

Test at TX 5610 MHz

RESULT: Reference Power

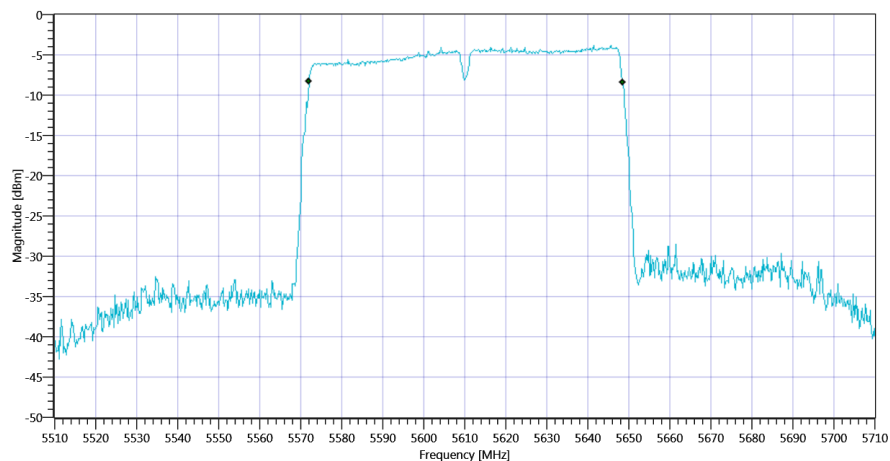
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-4.32	dBm	Information
Ref. Frequency	---	---	5646.760	MHz	Information

READ SA SETTINGS:

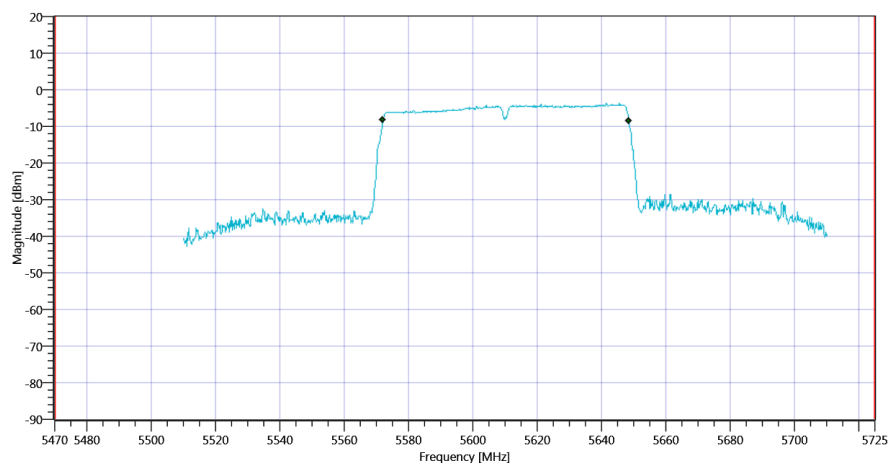
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.68 14.18 5
Start [MHz] Stop [MHz]	5510.000 5710.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.523	MHz	Information
T1 99%	5470.000000	---	5572.0380	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.5614	MHz	



Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 99PCT_18102019_163532.png

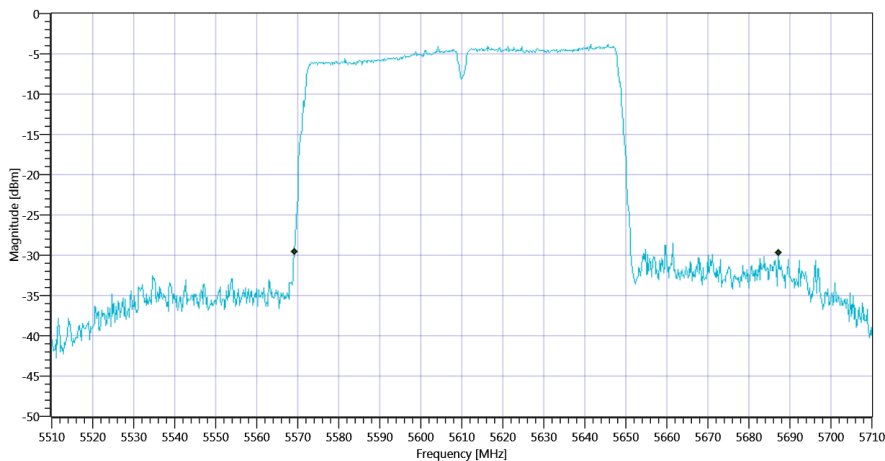


Plot_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_18102019_163535.png

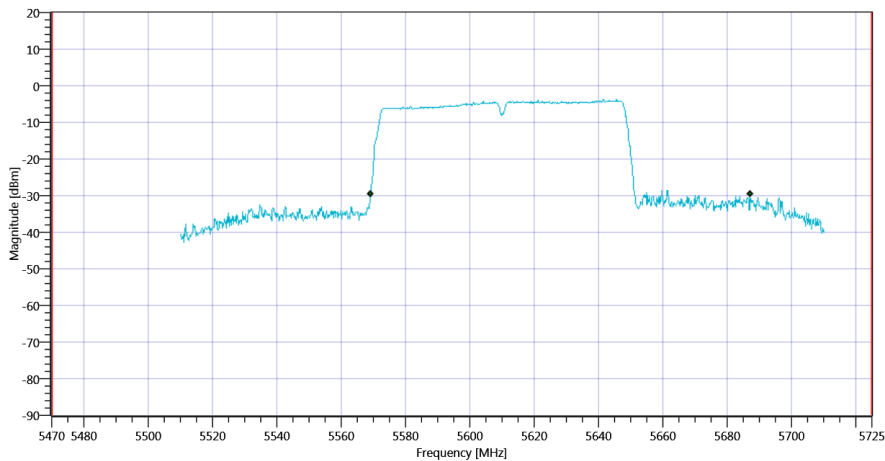
RESULT: TC_VM_FCC15407_Bandwidths_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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Bandwidth 26dB	---	---	118	MHz	Information
T1 26dB	5470.000000	---	5569.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5687.2000	MHz	



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C 26dB_18102019_163538.png



Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C_18102019_163541.png

TEST FINISHED		
General Verdict	18.10.2019 16:35:42 / RT: 34 s	PASS

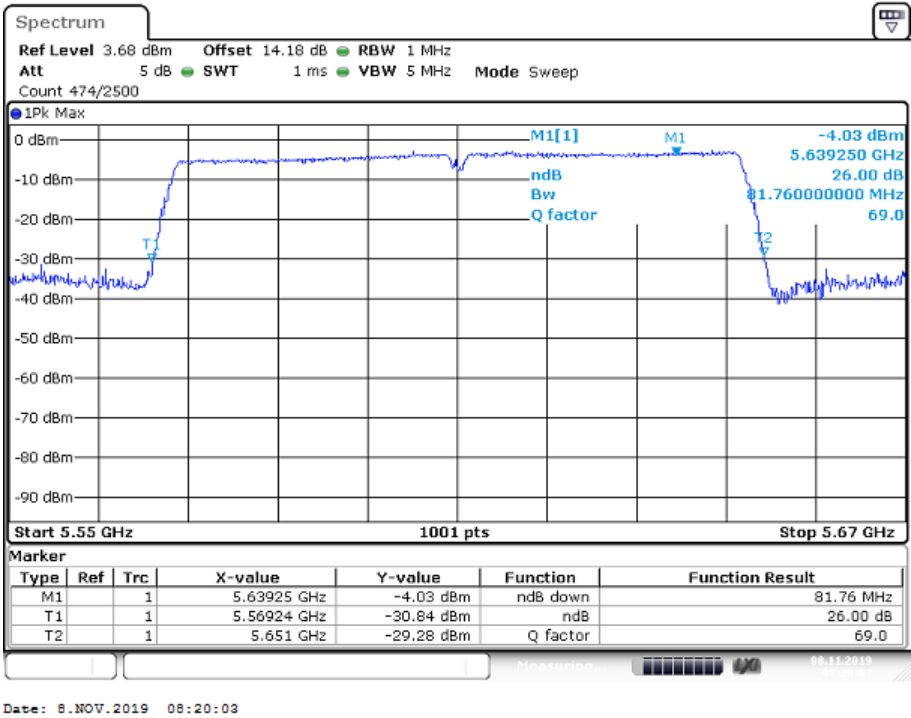
17. FCC Part 15.407 26dB Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-2C

Test References	
TC Start	08.11.2019 08:18:24
System Version	1.0.0.21
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1 TCID_Toolbox_2
My Description	Hardcopy Spectrum Analyzer
Add. Information	ac-Mode Kanal 122 26dB BW

IUT DEFINITION & Common settings	
Manufacturer	BOSCH
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-20 20 55
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

Test Parameter	
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60
Additional Information	ac-Mode Kanal 122 26dB BW

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.68 14.18 5
Start [MHz] Stop [MHz]	5550.000 5670.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE



HC_08112019_081825.png

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Marker Readout					
Marker 1 Freq.	---	---	5639.250000	MHz	Information
Marker 1 Level	---	---	-2.497	dBm	Information

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Delta Marker Readout					

TEST FINISHED		
General Verdict	08.11.2019 08:18:37 / RT: 12 s	PASS

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

Test References	
TC Start	18.10.2019 16:51:43
System Version	1.0.0.21
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	

IUT DEFINITION & Common settings	
Manufacturer	Bosch
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-30 24 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

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-40,1307.9002K40/101042,3.50

Test at TX 5775 MHz

RESULT: Reference Power

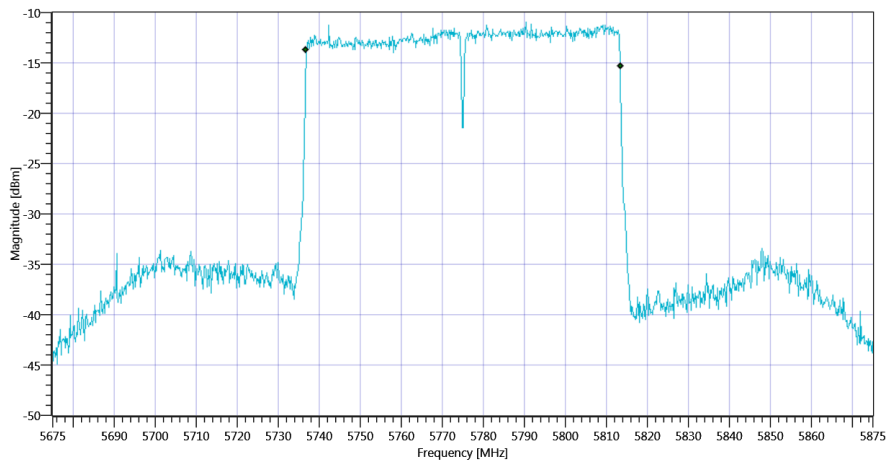
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz	---	---	-0.98	dBm	Information
Ref. Frequency	---	---	5811.560	MHz	Information

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.02 14.25 15
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



TEST FINISHED

General Verdict	18.10.2019 16:52:06 / RT: 22 s	PASS
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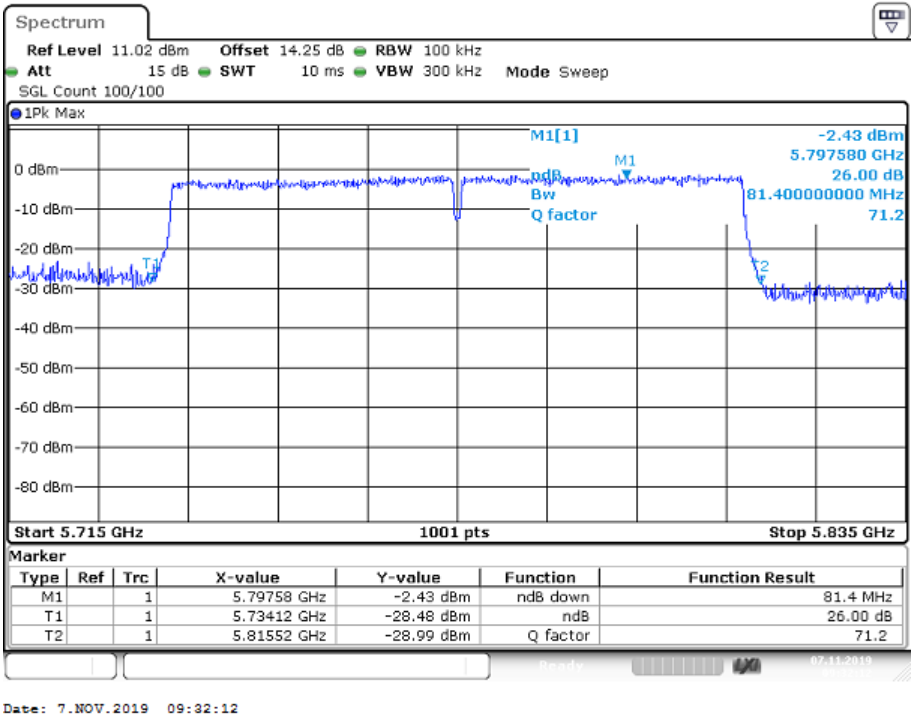
19. FCC Part 15.407 26dB Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3

Test References	
TC Start	07.11.2019 09:30:35
System Version	1.0.0.21
Test Specification	None
Test Method	
Class / TC Version / TC ID	TC_VM_Hardcopy_Spectrum_Analyzer_V01 Version: 0.0.1 TCID_Toolbox_2
My Description	Hardcopy Spectrum Analyzer
Add. Information	26dB Bandbreite ac80 Mode Kanal 138

IUT DEFINITION & Common settings	
Manufacturer	BOSCH
Type	AIVIH61L1
Serial No. Setup No.	Conducted unit UNII-1 & UNII-2A bands: 0000072 TST1645901 A 283C32142R 001 001 33K Conducted unit UNII-2C & UNII-3 bands: 0000069 TST1645901 A 283C32142R 001 001 33K
SW Version HW Version	NI NI
Comment 1 2	
Tlow Tmid Thigh [°C]	-20 20 55
Vlow Vmid Vhigh [V] @Imax [A]	3.3 3.8 4.2 @1
Auto Control enabled Power Supply Climatic Box	No No
Antenna Gain [dBi]	0
Additional Path Loss [dB]	0

Test Parameter	
Devices in use	SA: Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.60
Additional Information	26dB Bandbreite ac80 Mode Kanal 138

READ SA SETTINGS:	
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.02 14.25 15
Start [MHz] Stop [MHz]	5715.000 5835.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	10 100 1001 SWE



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RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Marker Readout						
Marker 1 Freq.	---	---	5797.580000	MHz	Information	
Marker 1 Level	---	---	-2.433	dBm	Information	

RESULT: TC_VM_Hardcopy_Spectrum_Analyzer_V01						
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict	
Delta Marker Readout						

TEST FINISHED			
General Verdict	07.11.2019 09:30:47 / RT: 12 s	PASS	

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