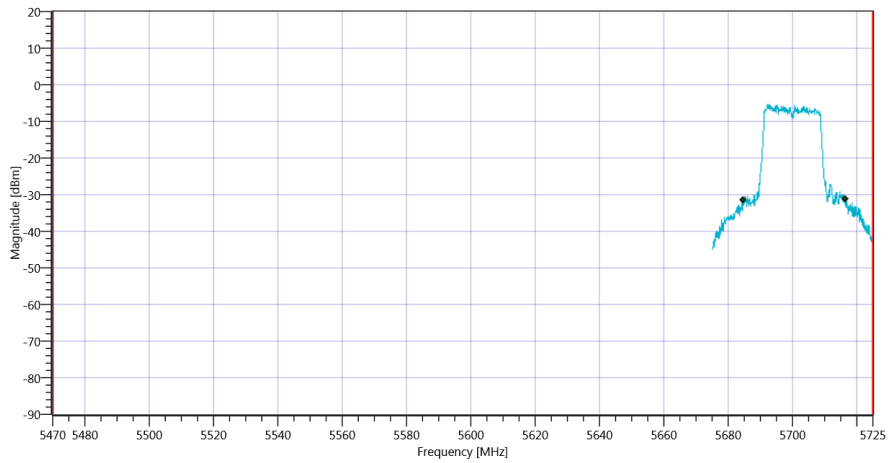Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB_16012020_100843.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C_16012020_100847.png

TEST FINISHED		
General Verdict	16.01.2020 10:08:48 / RT: 36 s	PASS

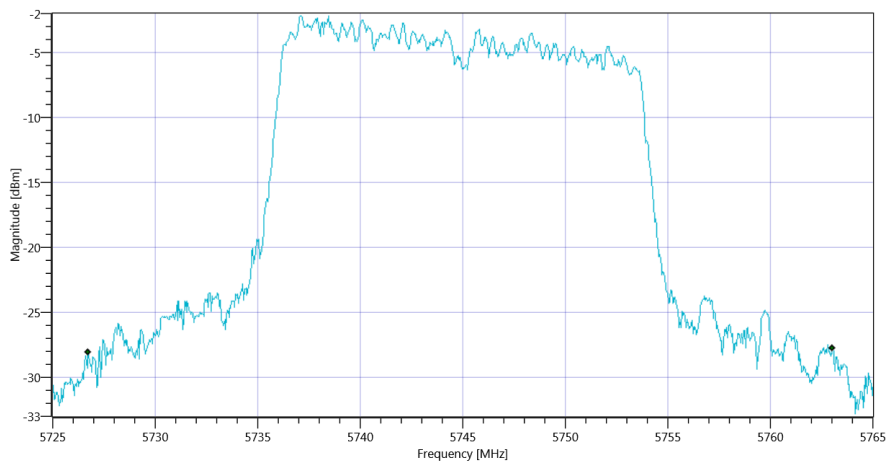# 79. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:11:55
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5745 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	36.32	MHz	Information
T1 26dB	---	---	5726.7200	MHz	Information
T2 26dB	---	---	5763.0400	MHz	Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_101216.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.56 | 11.83 | 20
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	6.73	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	6.73	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.6	6.73	dBm	not applicable
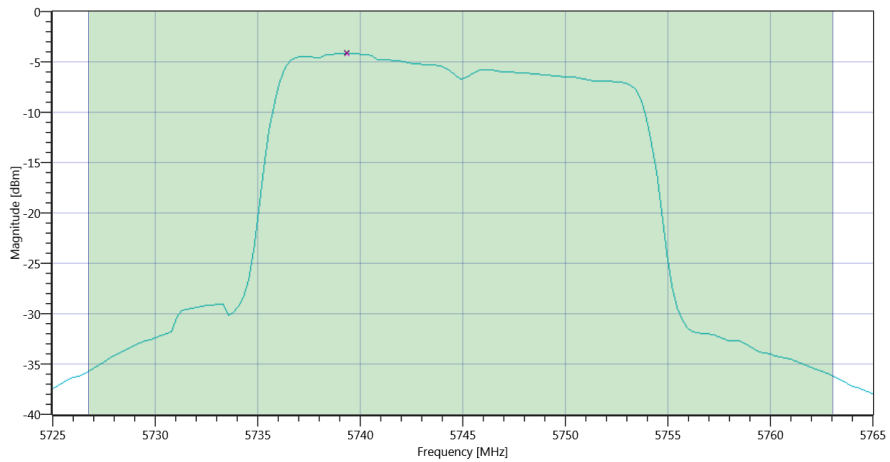
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_101240.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.56 | 11.83 | 20
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-7.1	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-7.1	dBm/0.5MHz	PASS
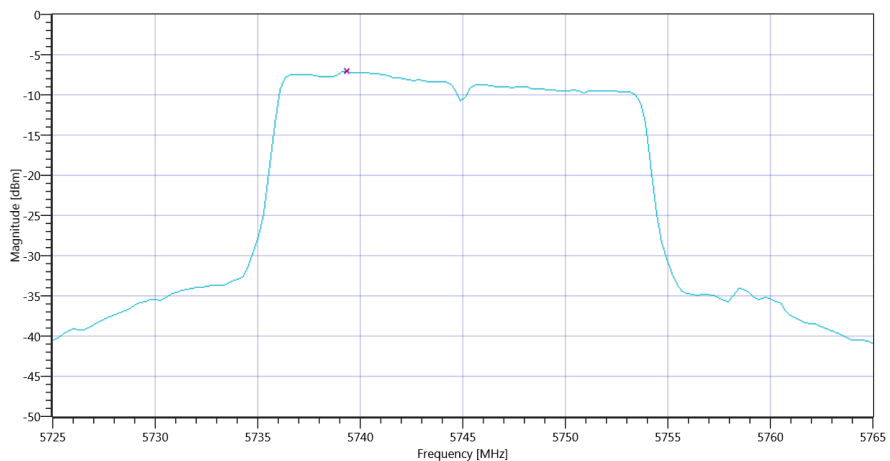
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_101302.png

TEST FINISHED		
General Verdict	16.01.2020 10:13:03 / RT: 68 s	PASS

80. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References	
TC Start	16.01.2020 10:13:08
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5745 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 99%	---	---	18.541	MHz		Information
T1 99%	---	---	5735.4895	MHz		Information
T2 99%	---	---	5754.0310	MHz		Information
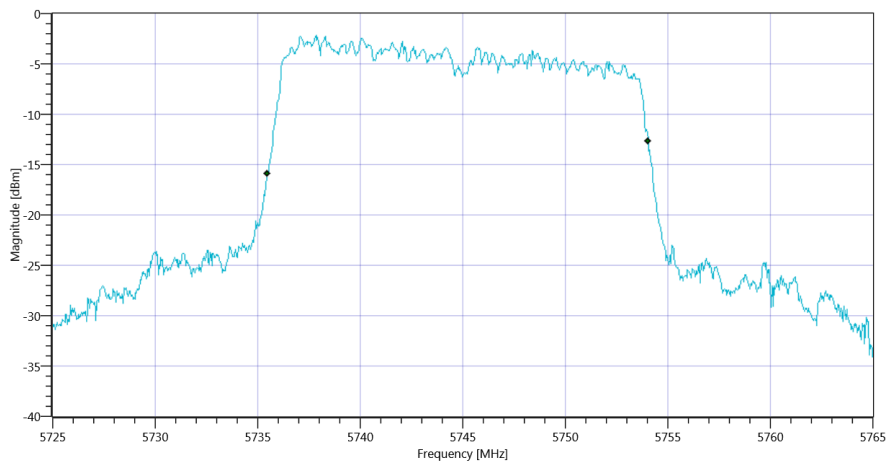
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_101330.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.72 | 11.83 | 20
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	6.66	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	30	6.66	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	23.68	6.66	dBm		not applicable
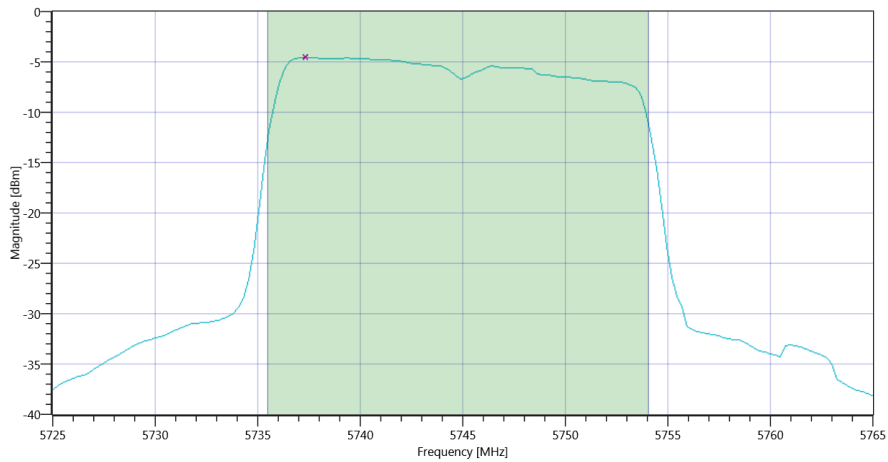
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_101353.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.72 | 11.83 | 20
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-7.53	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-7.53	dBm/0.5MHz	PASS
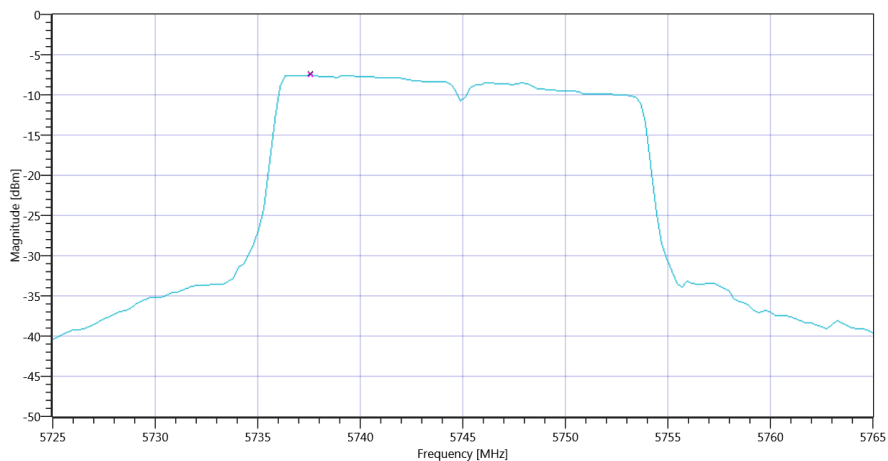
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_101416.png

TEST FINISHED		
General Verdict	16.01.2020 10:14:17 / RT: 69 s	PASS

81. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:14:21
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5745 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.36 | 11.83 | 15
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	19.331	MHz	Information
T1 99%	5725.000000	---	5734.8601	MHz	PASS
T2 99%	---	5850.000000	5754.1908	MHz	PASS
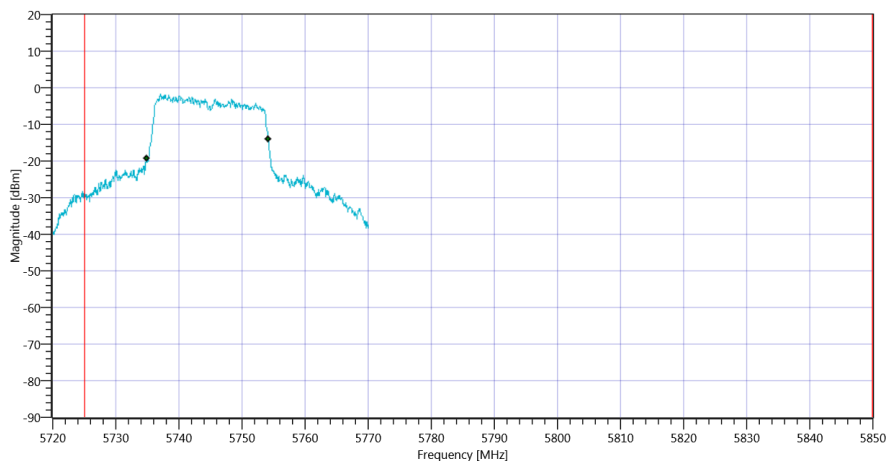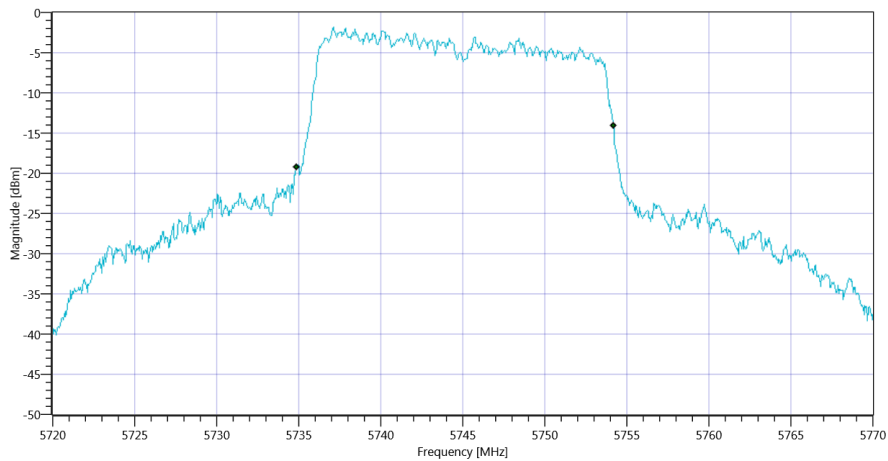
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT_16012020_101444.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_101448.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	36.6	MHz	Information
T1 26dB	5725.000000	---	5726.6000	MHz	PASS
T2 26dB	---	5850.000000	5763.2000	MHz	PASS
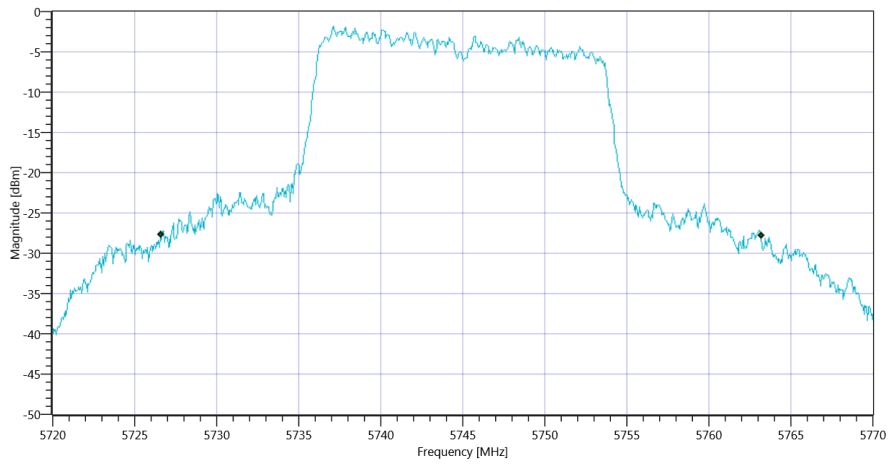
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 26dB_16012020_101453.png
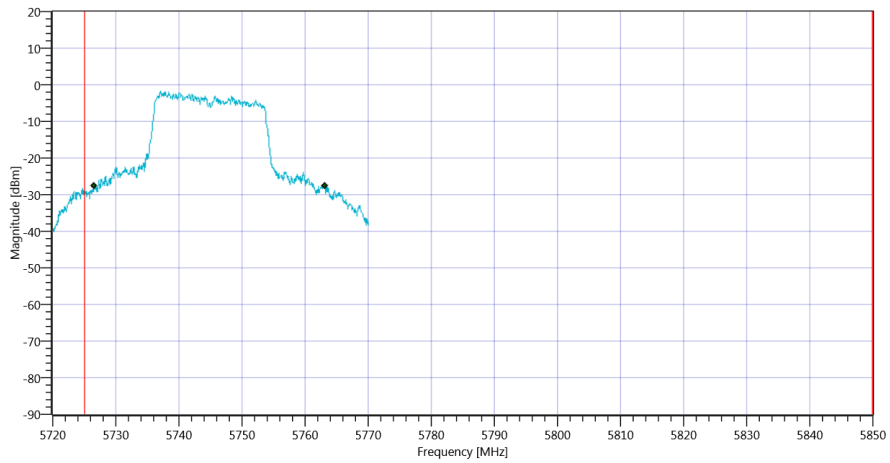
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_101457.png

TEST FINISHED		
General Verdict	16.01.2020 10:14:58 / RT: 36 s	PASS

82. FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:15:02
System Version	1.0.0.29
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 n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5745 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.06 | 11.83 | 20
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
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	---	17.7	MHz	PASS
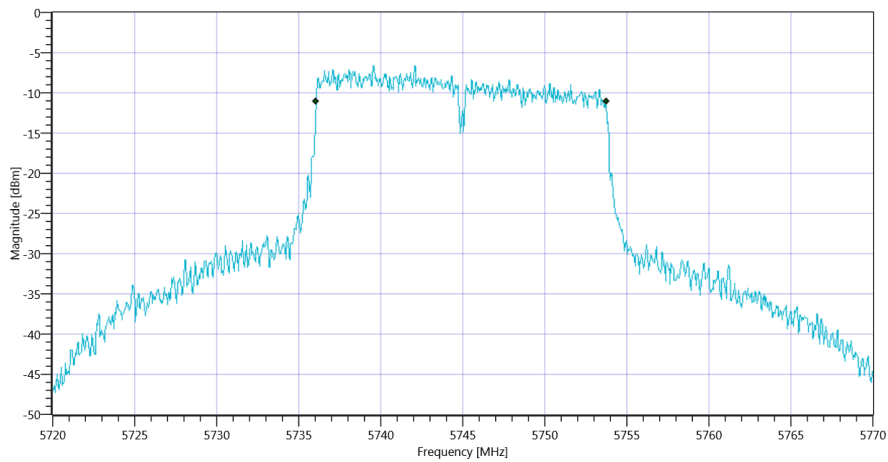
Plot_FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_101542.png

TEST FINISHED		
General Verdict	16.01.2020 10:15:42 / RT: 40 s	PASS

83. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:22:17
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	True	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5785 MHz

RESULT:	Duty Cycle				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	39.72	MHz	Information
T1 26dB	---	---	5765.2800	MHz	Information
T2 26dB	---	---	5805.0000	MHz	Information
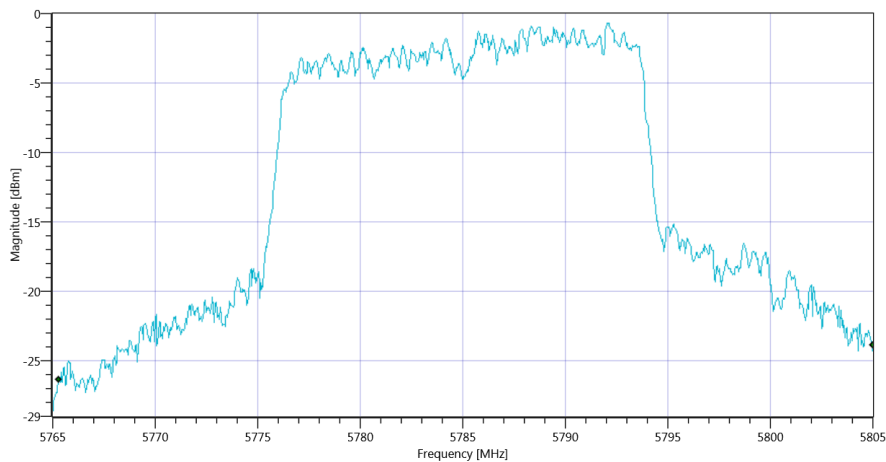
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_102239.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.58 | 11.63 | 20
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	8.18	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	8.18	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.99	8.18	dBm	not applicable
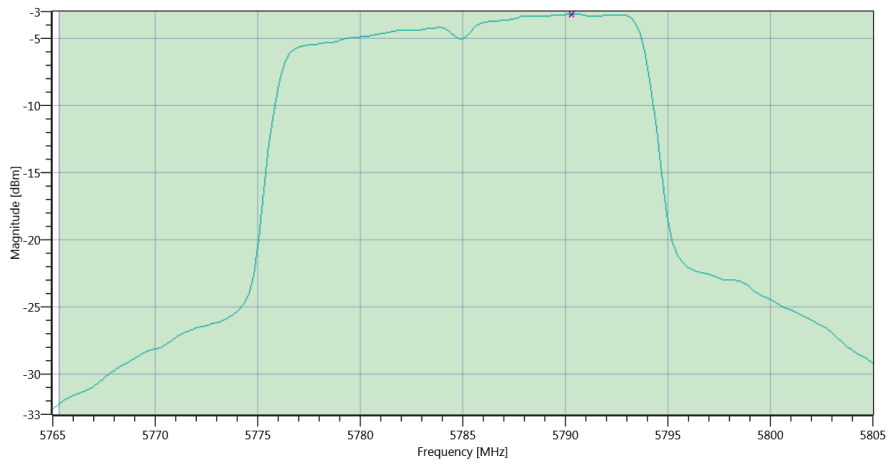
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_102302.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.58 | 11.63 | 20
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.08	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-6.08	dBm/0.5MHz	PASS
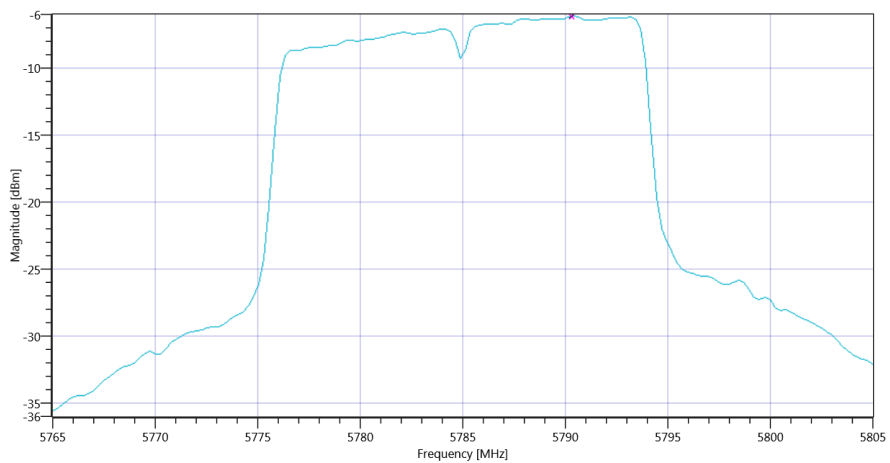
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_102325.png

TEST FINISHED		
General Verdict	16.01.2020 10:23:25 / RT: 68 s	PASS

84. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References	
TC Start	16.01.2020 10:23:30
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 | TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5785 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	24.535	MHz	Information
T1 99%	---	---	5774.7303	MHz	Information
T2 99%	---	---	5799.2657	MHz	Information
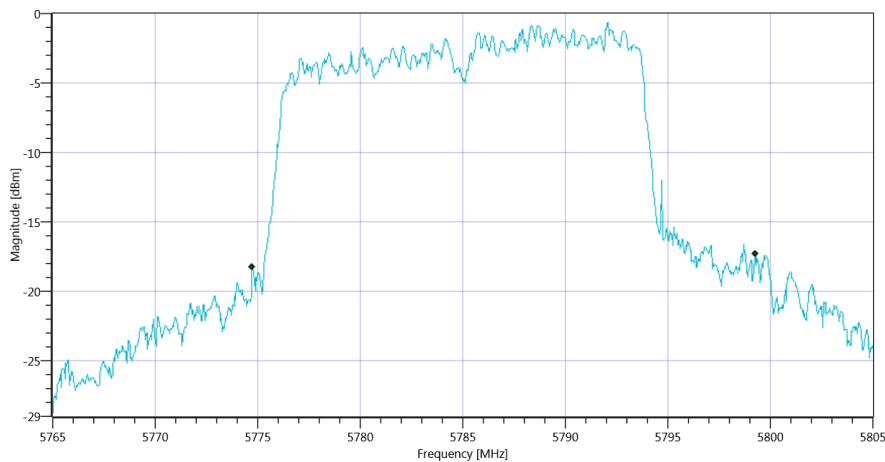
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_102353.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.49 | 11.63 | 20
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	8.12	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	8.12	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.9	8.12	dBm	not applicable
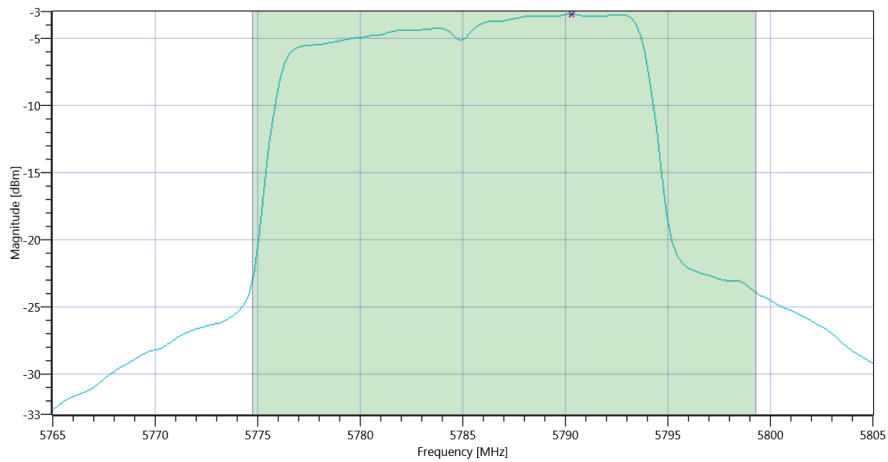
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_102416.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.49 | 11.63 | 20
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.11	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-6.11	dBm/0.5MHz	PASS
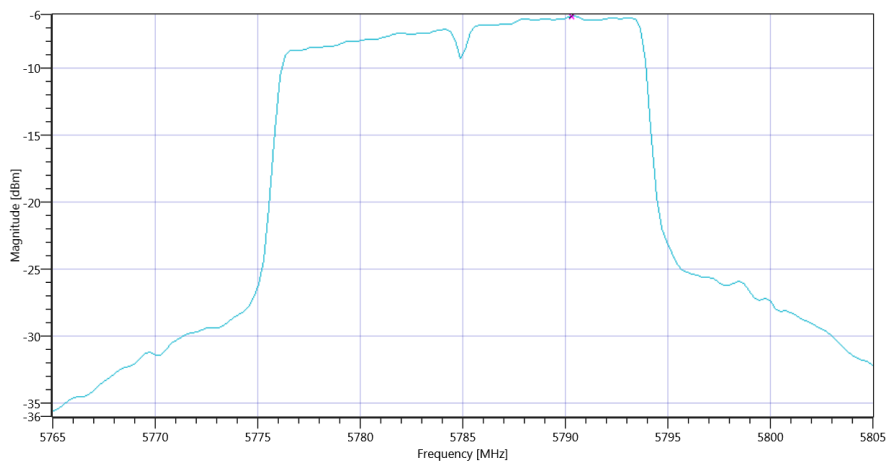
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_102438.png

TEST FINISHED		
General Verdict	16.01.2020 10:24:39 / RT: 68 s	PASS

85. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:24:44
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	True	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5785 MHz

READ SA SETTINGS:	
RefLevel [dBm]	RefLevelOffset [dB]	InpAtt [dB]	12.31	11.63	20
Start [MHz]	Stop [MHz]	5760.000	5810.000
RBW [MHz]	VBW [MHz]	0.300000	1.000000
Detector	TraceMode	POS	MAXH
Sweep: Time [ms]	Count	Points per Section	Type	1	2500	1001	SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	25.874	MHz	Information
T1 99%	5725.000000	---	5774.0609	MHz	PASS
T2 99%	---	5850.000000	5799.9351	MHz	PASS
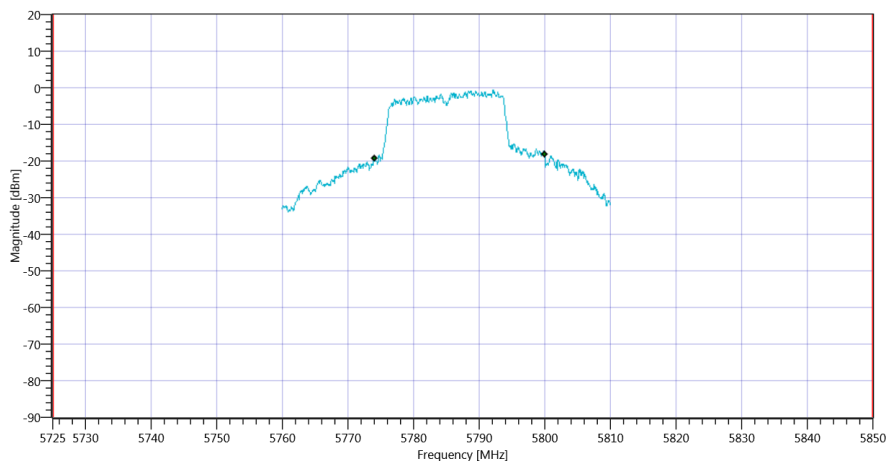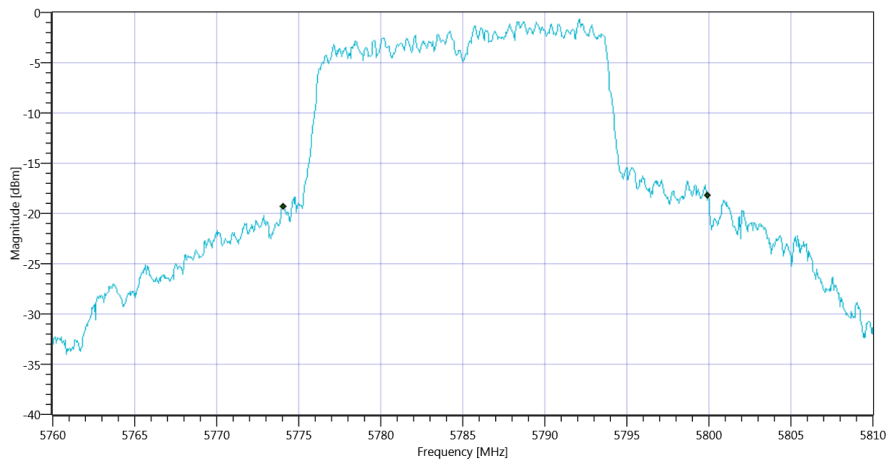
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT_16012020_102507.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_102511.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	42.25	MHz	Information
T1 26dB	5725.000000	---	5765.3000	MHz	PASS
T2 26dB	---	5850.000000	5807.5500	MHz	PASS
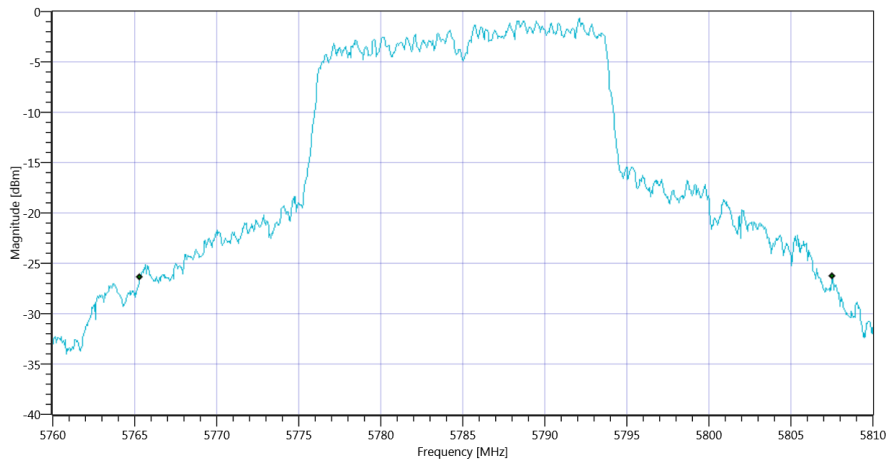
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 26dB_16012020_102516.png
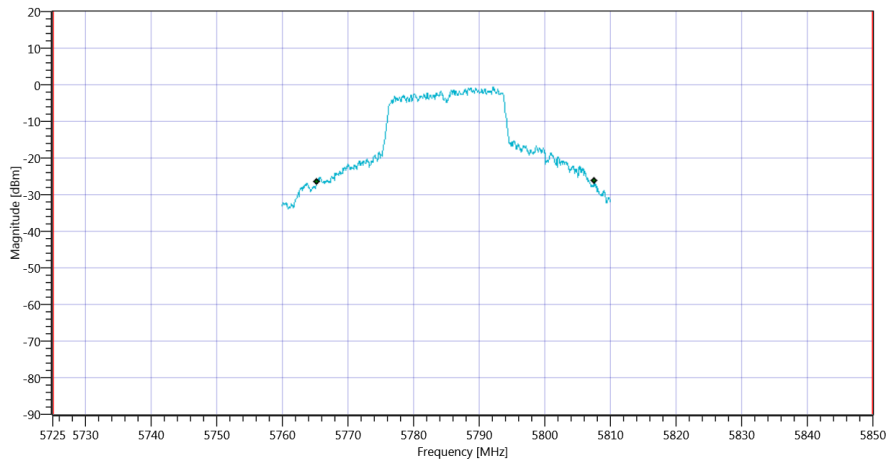
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_102520.png

TEST FINISHED		
General Verdict	16.01.2020 10:25:21 / RT: 36 s	PASS

86. FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:25:25
System Version	1.0.0.29
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 n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	True	Freq [MHz] 5785
Frequency high to test	False	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5785 MHz

READ SA SETTINGS:	
RefLevel [dBm]	RefLevelOffset [dB]	InpAtt [dB]	16.63	11.63	20
Start [MHz]	Stop [MHz]	5760.000	5810.000
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	---	17.7	MHz	PASS
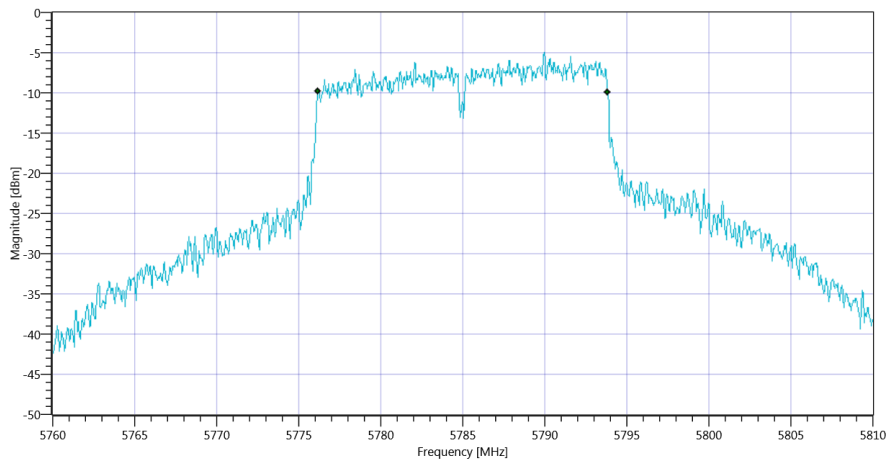
Plot_FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_102610.png

TEST FINISHED		
General Verdict	16.01.2020 10:26:11 / RT: 45 s	PASS

87. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References	
TC Start	16.01.2020 10:27:51
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	True	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5825 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 26dB	---	---	40	MHz		Information
T1 26dB	---	---	5805.0000	MHz		Information
T2 26dB	---	---	5845.0000	MHz		Information
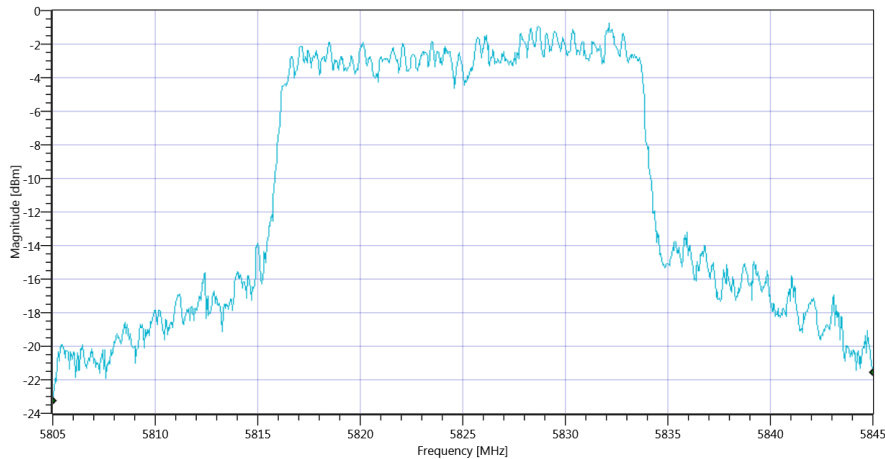
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_102813.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.61 | 11.46 | 20
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	8.28	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	30	8.28	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	27.02	8.28	dBm		not applicable
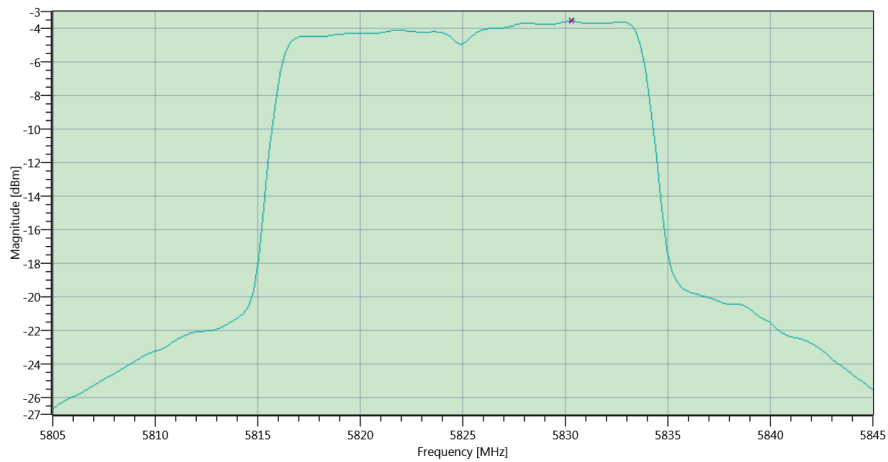
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_102836.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.61 | 11.46 | 25
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.55	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-6.55	dBm/0.5MHz	PASS
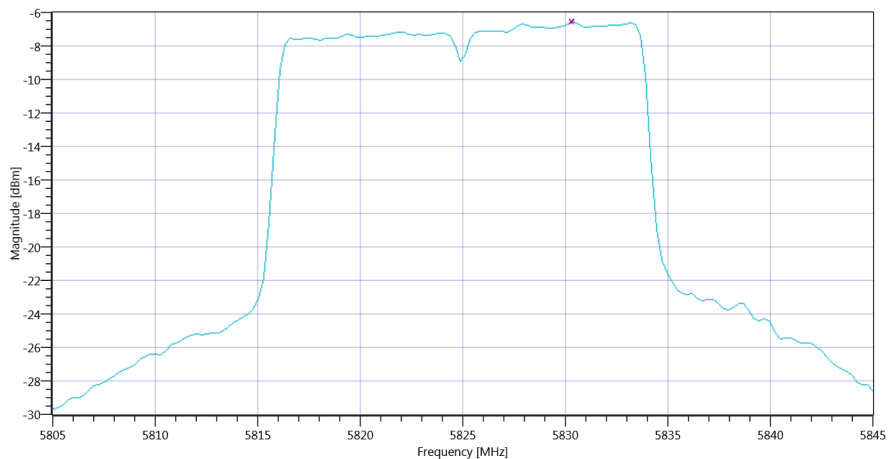
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_102859.png

TEST FINISHED		
General Verdict	16.01.2020 10:28:59 / RT: 68 s	PASS

88. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References	
TC Start	16.01.2020 10:29:04
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	True	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5825 MHz

RESULT:	Duty Cycle				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	30.889	MHz	Information
T1 99%	---	---	5810.1748	MHz	Information
T2 99%	---	---	5841.0639	MHz	Information
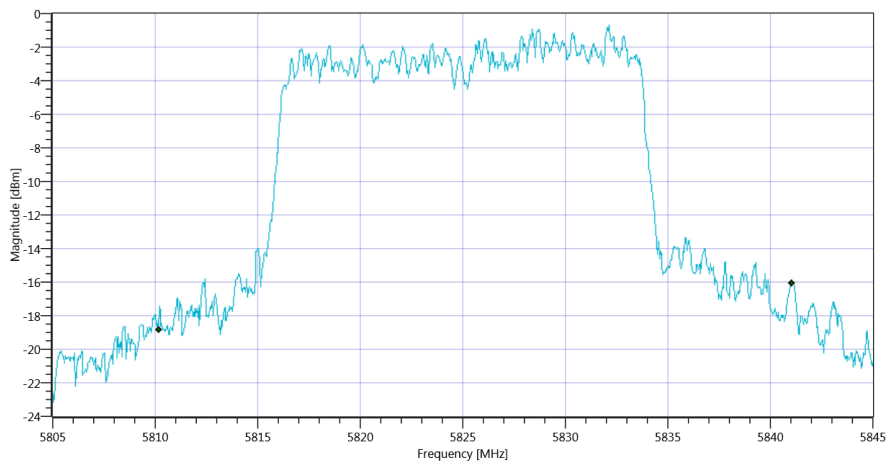
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 BW_16012020_102925.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.57 | 11.46 | 20
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	8.2	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	8.2	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	25.9	8.2	dBm	not applicable
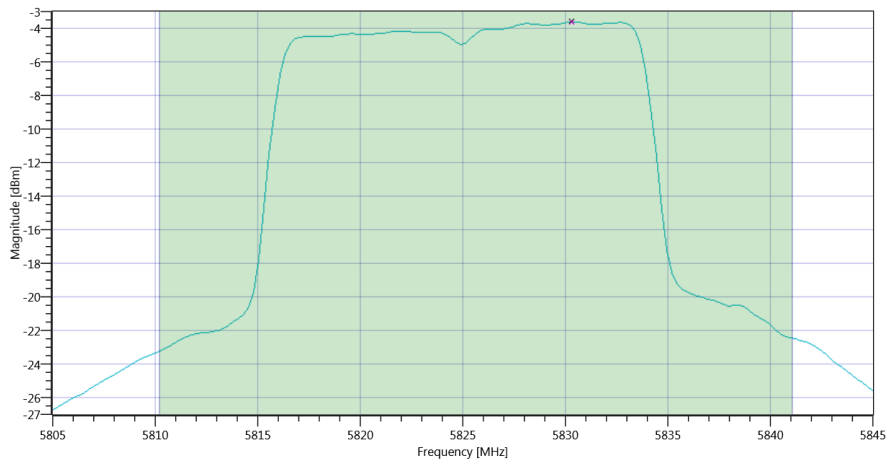
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD_16012020_102949.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.57 | 11.46 | 20
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.5	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-6.5	dBm/0.5MHz	PASS
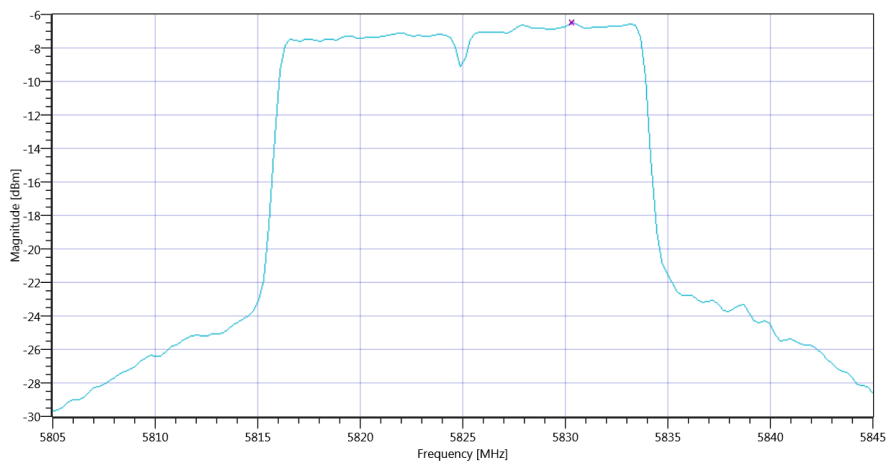
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3_16012020_103011.png

TEST FINISHED		
General Verdict	16.01.2020 10:30:12 / RT: 68 s	PASS

89. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:30:17
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5745
Frequency mid to test	False	Freq [MHz] 5785
Frequency high to test	True	Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5825 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.53 | 11.46 | 20
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	33.916	MHz	Information
T1 99%	5725.000000	---	5808.6164	MHz	PASS
T2 99%	---	5850.000000	5842.5325	MHz	PASS
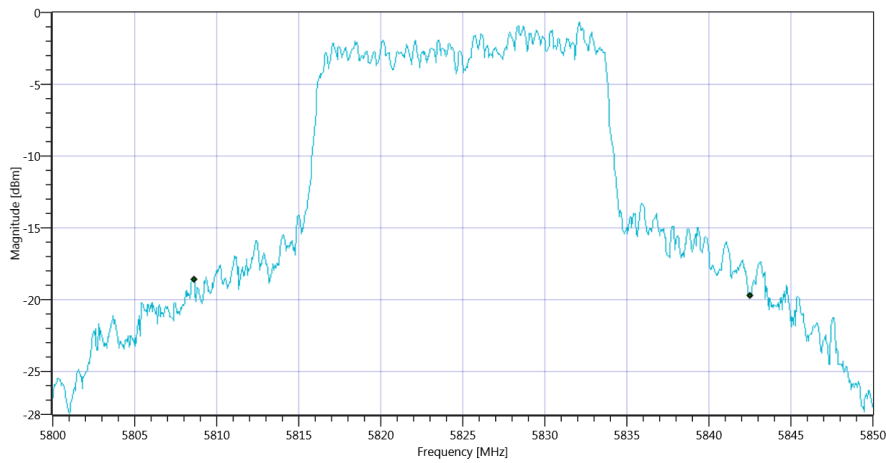
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT_16012020_103047.png
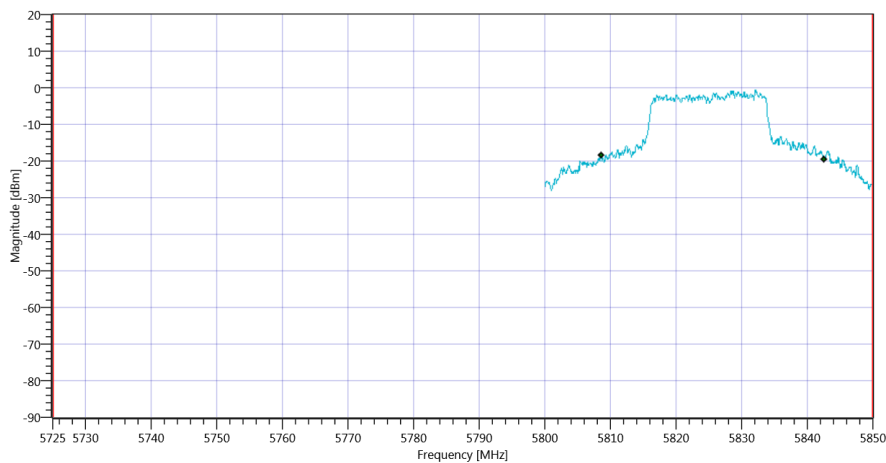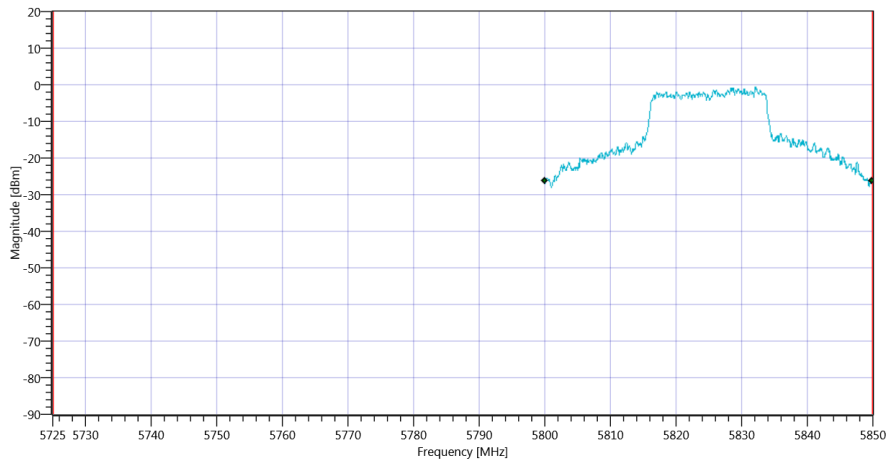

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_103051.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	49.75	MHz	Information
T1 26dB	5725.000000	---	5800.0500	MHz	PASS
T2 26dB	---	5850.000000	5849.8000	MHz	PASS
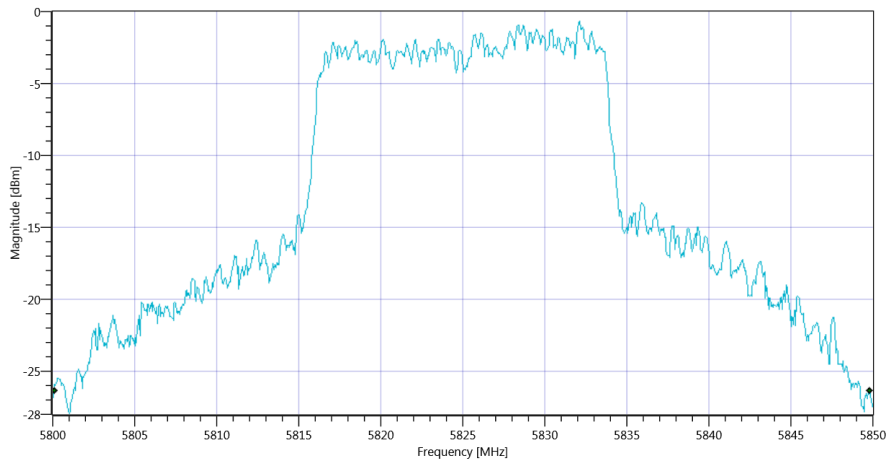
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3 26dB_16012020_103056.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_103100.png

TEST FINISHED		
General Verdict	16.01.2020 10:31:01 / RT: 43 s	PASS

90. FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	16.01.2020 10:31:05
System Version	1.0.0.29
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 n-HT20 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5825 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.29 | 11.46 | 20
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
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	---	17.85	MHz	PASS
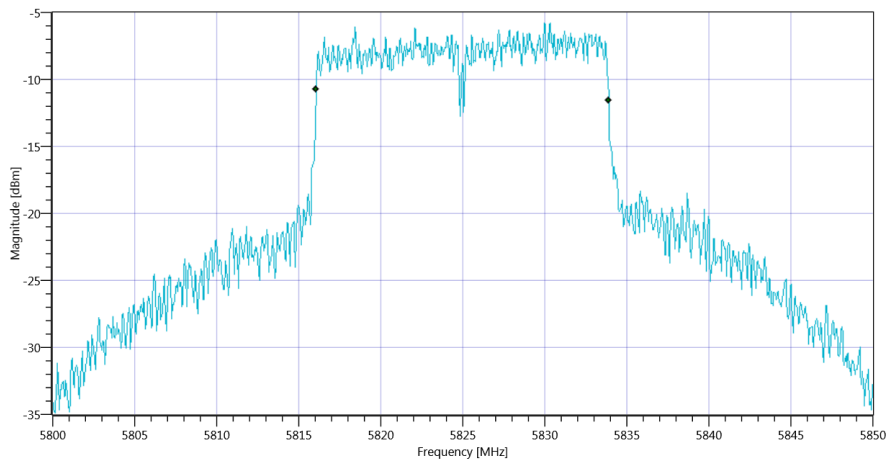
Plot_FCC Part 15.407 & ISED Minimum Emission BW ~ WLAN5Gx n-HT20 mode U-NII-3_16012020_103138.png

TEST FINISHED

General Verdict	16.01.2020 10:31:39 / RT: 33 s	PASS

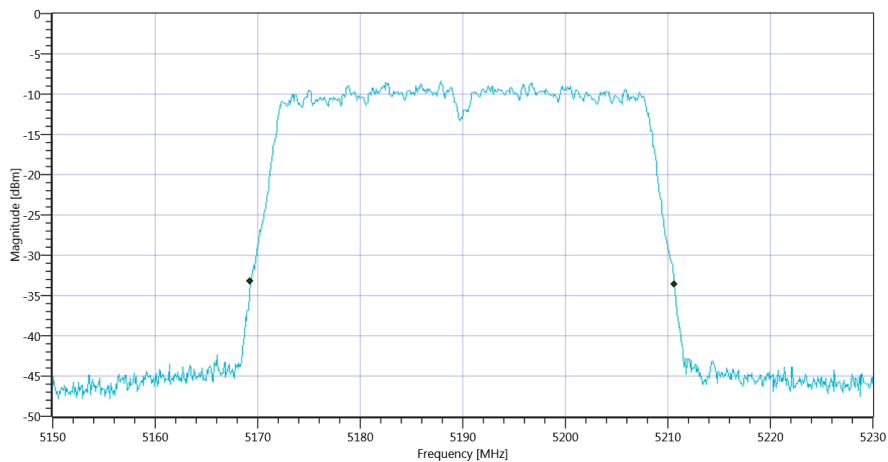# 91. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	16.01.2020 10:40:46
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5190
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5190 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.36	MHz	Information
T1 26dB	---	---	5169.2800	MHz	Information
T2 26dB	---	---	5210.6400	MHz	Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 BW_16012020_104112.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.80 | 11.18 | 10
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.64	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.64	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.17	1.64	dBm	PASS
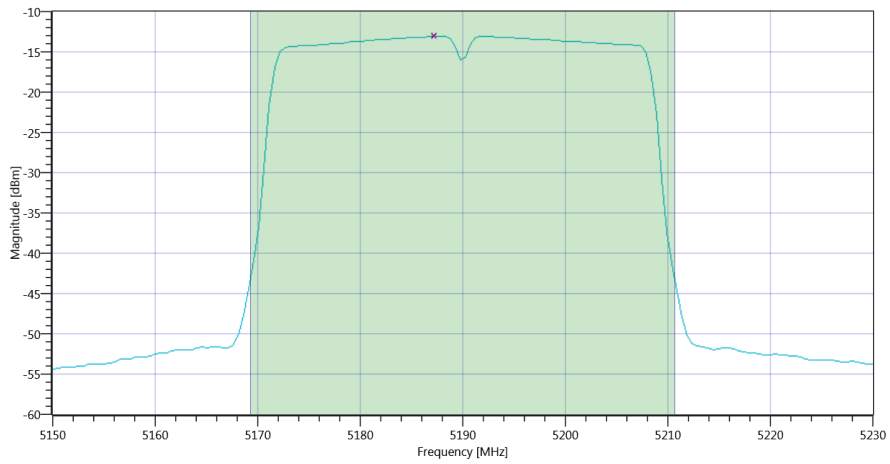
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD_16012020_104135.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.1	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-13.1	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 10:41:37 / RT: 51 s	PASS

92. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1

| Test References	
TC Start	16.01.2020 10:41:42
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5190
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5190 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.603	MHz	Information
T1 99%	---	---	5171.7782	MHz	Information
T2 99%	---	---	5208.3816	MHz	Information
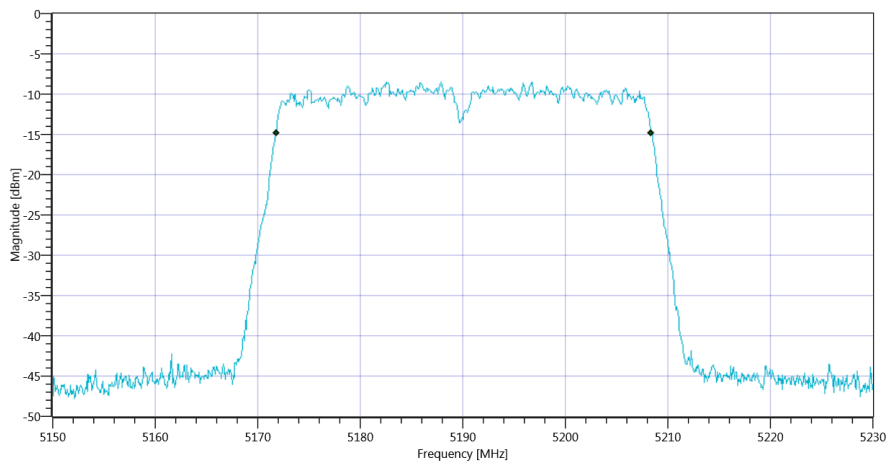
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 BW_16012020_104207.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.66 | 11.18 | 10
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.59	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.59	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.64	1.59	dBm	PASS
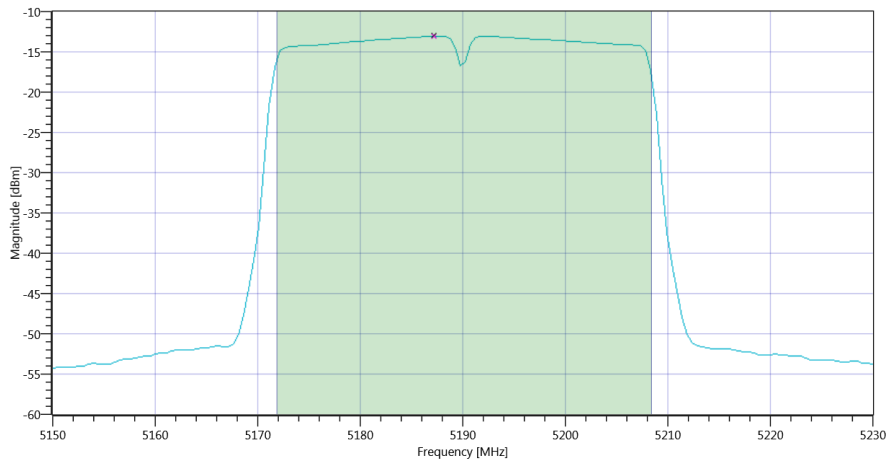
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD_16012020_104230.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.09	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-13.09	dBm/1MHz	PASS

TEST FINISHED			
General Verdict	16.01.2020 10:42:32 / RT: 49 s	PASS	

93. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	16.01.2020 10:42:36
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5190
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5190 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	2.90 | 11.18 | 10
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.563	MHz	Information
T1 99%	5150.000000	---	5171.8182	MHz	PASS
T2 99%	---	5250.000000	5208.3816	MHz	PASS
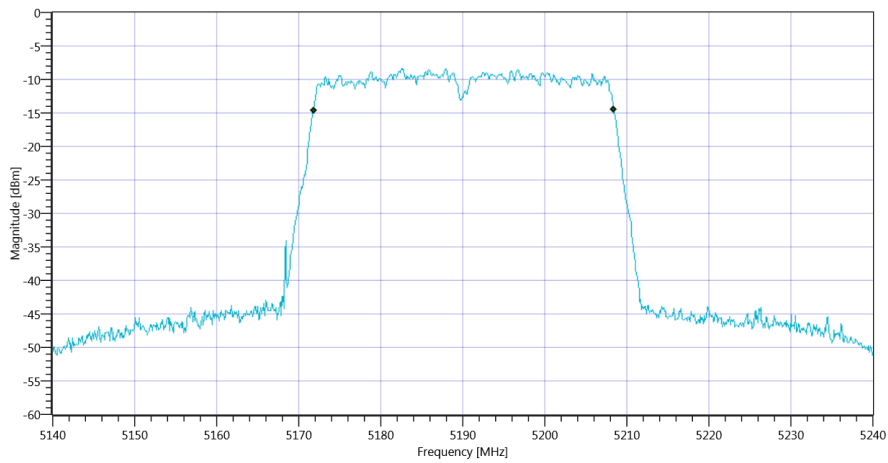
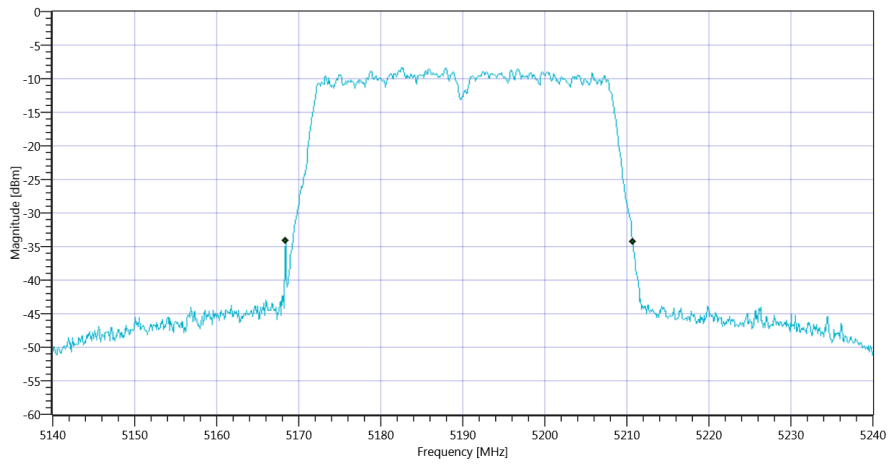

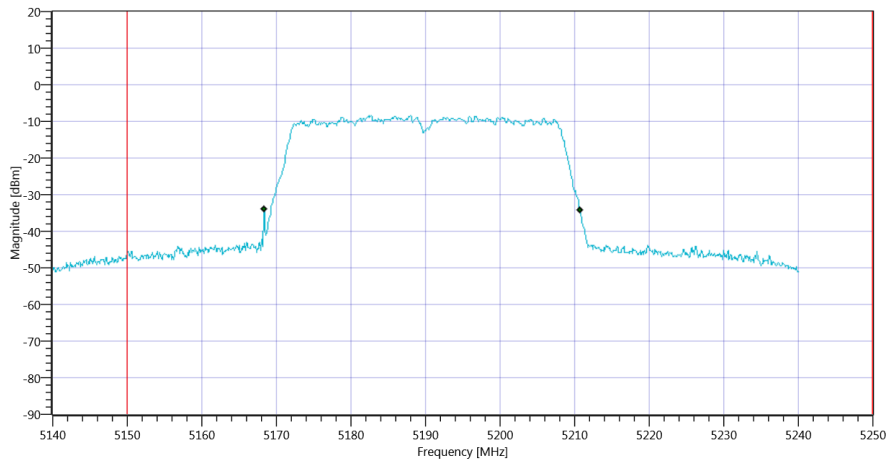Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1 99PCT_16012020_104305.png
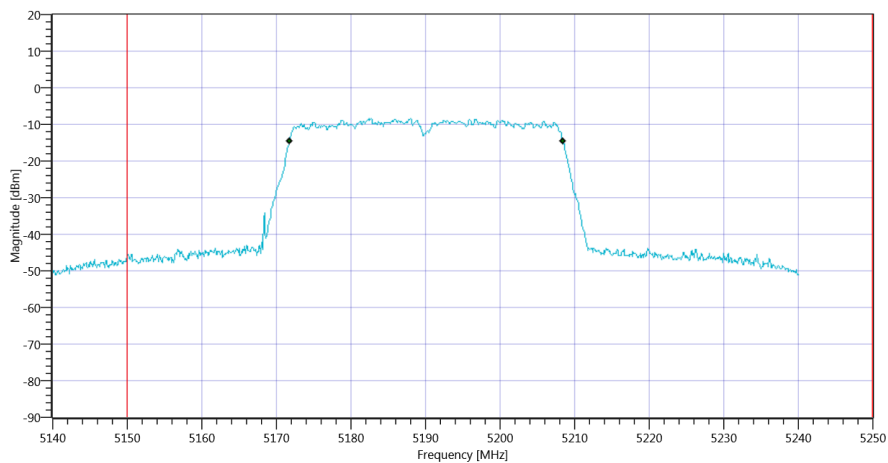
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1_16012020_104309.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	42.3	MHz	Information
T1 26dB	5150.000000	---	5168.4000	MHz	PASS
T2 26dB	---	5250.000000	5210.7000	MHz	PASS

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1 26dB_16012020_104314.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1_16012020_104318.png

TEST FINISHED		
General Verdict	16.01.2020 10:43:18 / RT: 42 s	PASS

# 94. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	16.01.2020 11:12:29
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 | TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5230 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.12	MHz	Information
T1 26dB	---	---	5209.3600	MHz	Information
T2 26dB	---	---	5250.4800	MHz	Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 BW_16012020_111255.png
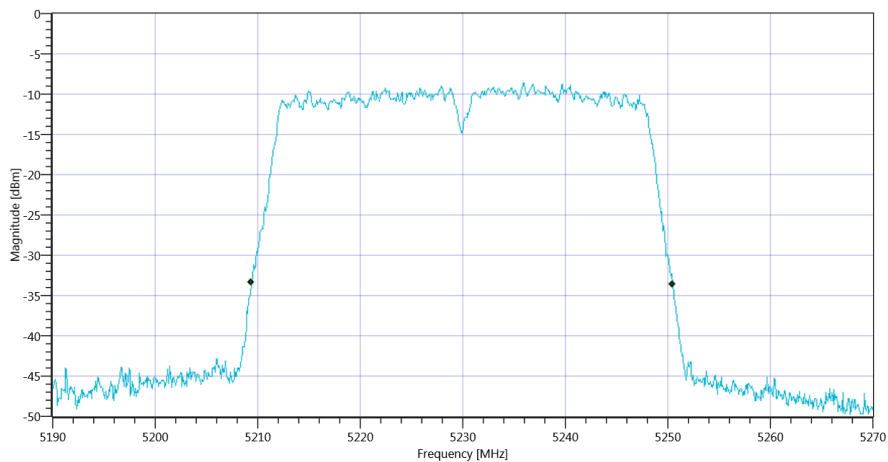
READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.95 | 11.28 | 10
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.2	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.2	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.14	1.2	dBm	PASS
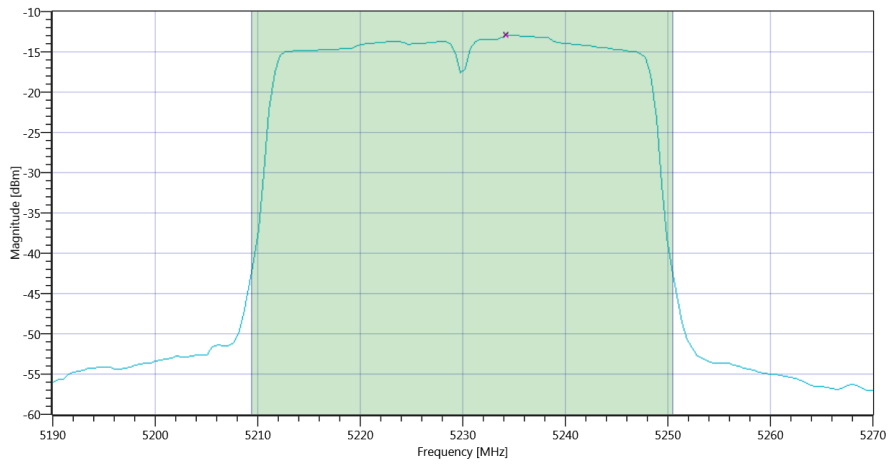
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD_16012020_111318.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-12.98	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-12.98	dBm/1MHz	PASS

TEST FINISHED			
General Verdict		16.01.2020 11:13:21 / RT: 52 s	PASS

95. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1

| Test References	
TC Start	16.01.2020 11:13:26
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5190
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	True	Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5230 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

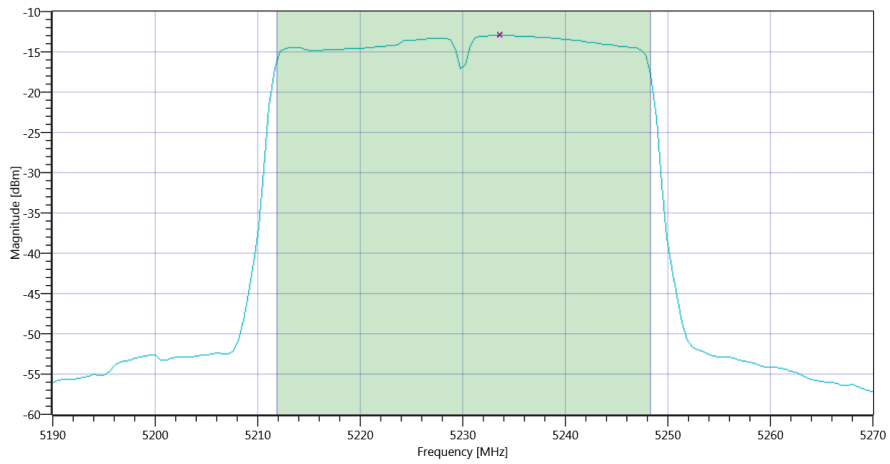| RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.523	MHz	Information
T1 99%	---	---	5211.7782	MHz	Information
T2 99%	---	---	5248.3017	MHz	Information
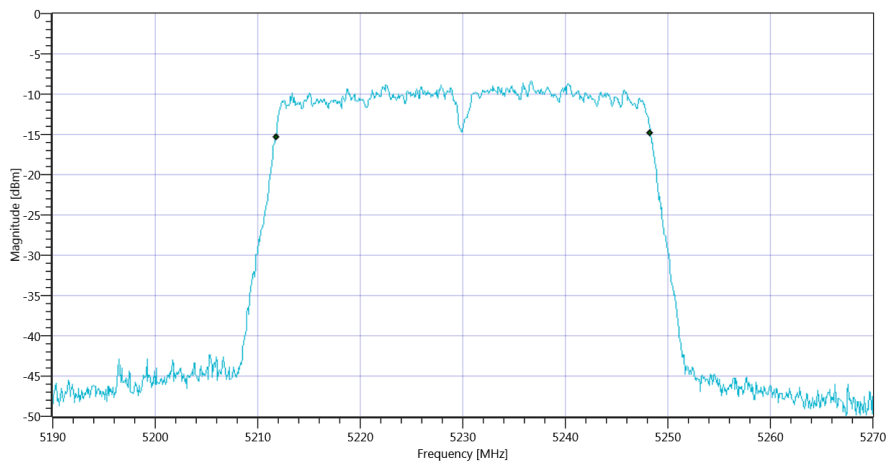
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 BW_16012020_111353.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.85 | 11.28 | 10
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	1.37	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	1.37	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.63	1.37	dBm	PASS

Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD_16012020_111417.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-12.98	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-12.98	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 11:14:19 / RT: 53 s	PASS

96. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	16.01.2020 11:14:23
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-1
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5190
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	True	Freq [MHz] 5230
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

## Test at TX 5230 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	2.48 | 11.28 | 10
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.464	MHz	Information
T1 99%	5150.000000	---	5211.8182	MHz	PASS
T2 99%	---	5250.000000	5248.2817	MHz	PASS
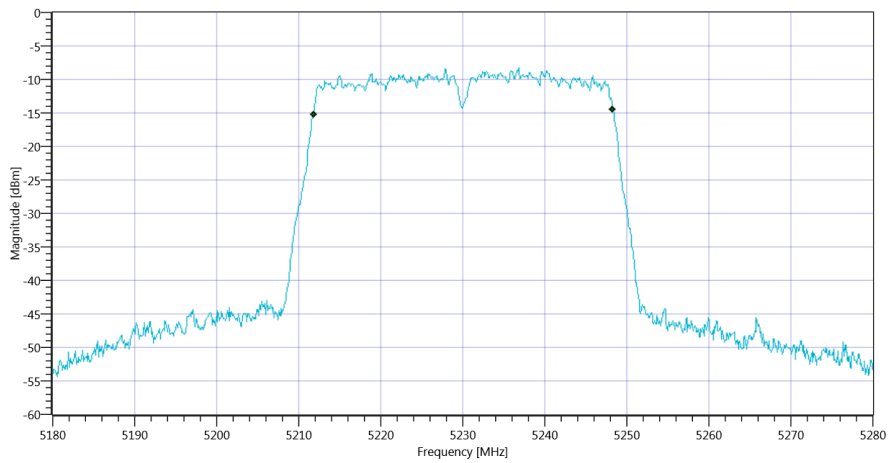
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1 99PCT_16012020_111453.png
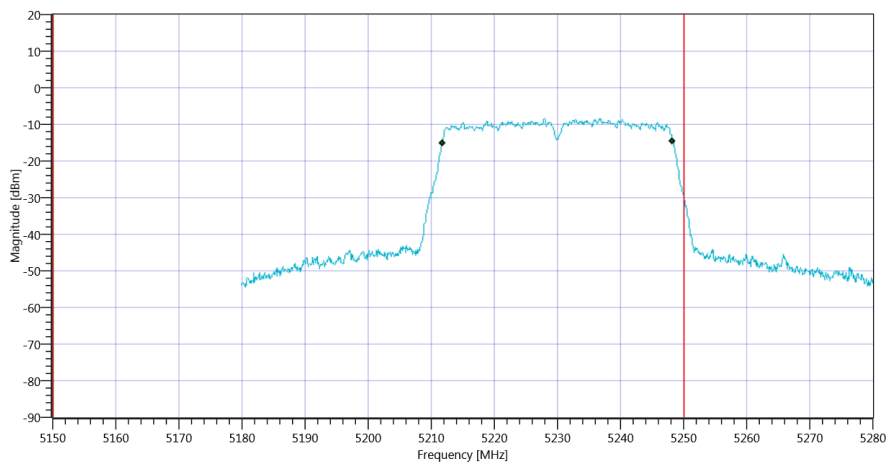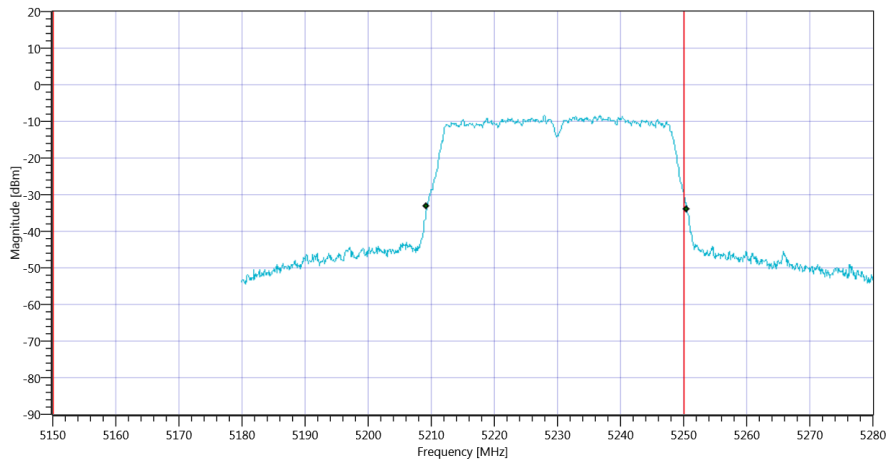

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1_16012020_111457.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.2	MHz	Information
T1 26dB	5150.000000	---	5209.3000	MHz	PASS
T2 26dB	---	5250.000000	5250.5000	MHz	DFS required
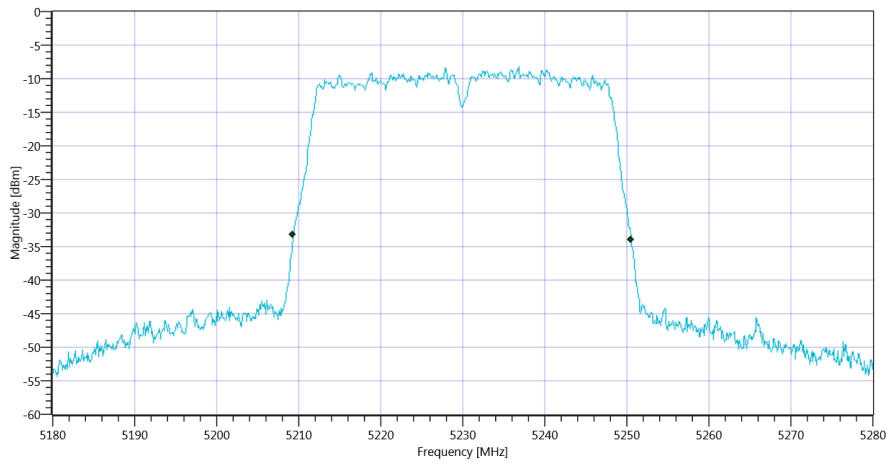
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1 26dB_16012020_111503.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-1_16012020_111506.png

TEST FINISHED		
General Verdict	16.01.2020 11:15:07 / RT: 43 s	PASS

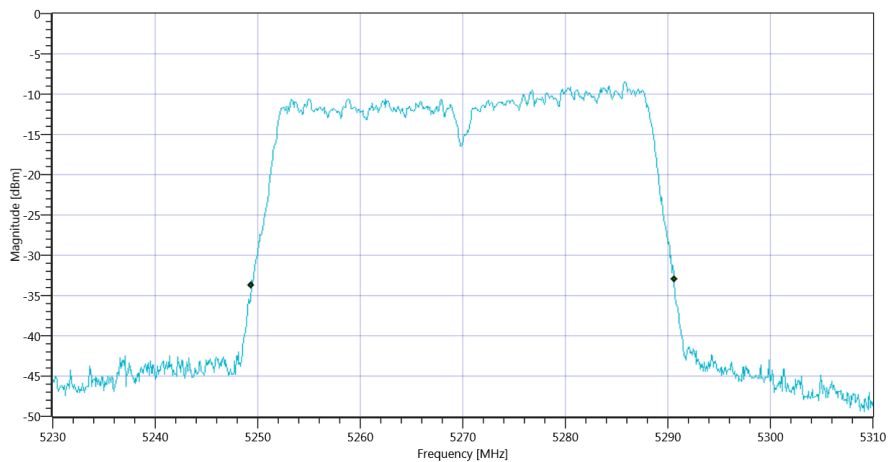# 97. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References	
TC Start	16.01.2020 11:44:37
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5270
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5270 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 26dB	---	---	41.28	MHz		Information
T1 26dB	---	---	5249.3600	MHz		Information
T2 26dB	---	---	5290.6400	MHz		Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A BW_16012020_114502.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.53 | 11.39 | 10
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	0.51	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	24	0.51	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	27.16	0.51	dBm		PASS
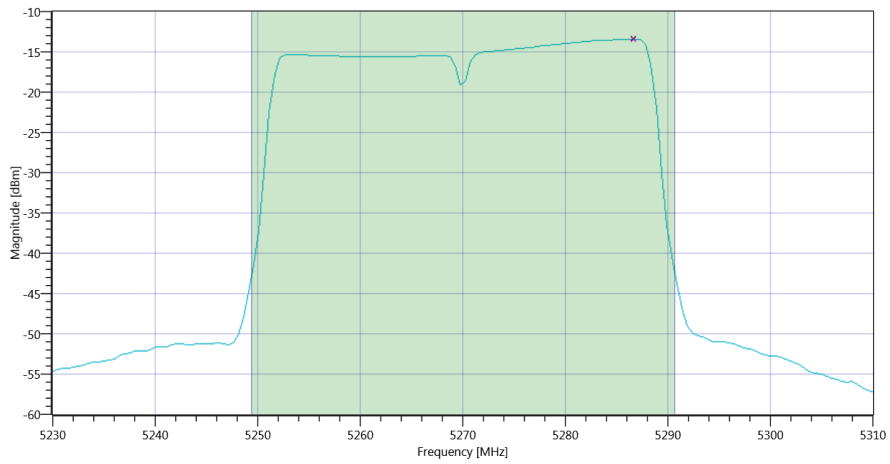
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD_16012020_114525.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.44	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-13.44	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 11:45:27 / RT: 50 s	PASS

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

| Test References	
TC Start	16.01.2020 11:45:32
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5270
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5270 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.763	MHz	Information
T1 99%	---	---	5251.7782	MHz	Information
T2 99%	---	---	5288.5415	MHz	Information
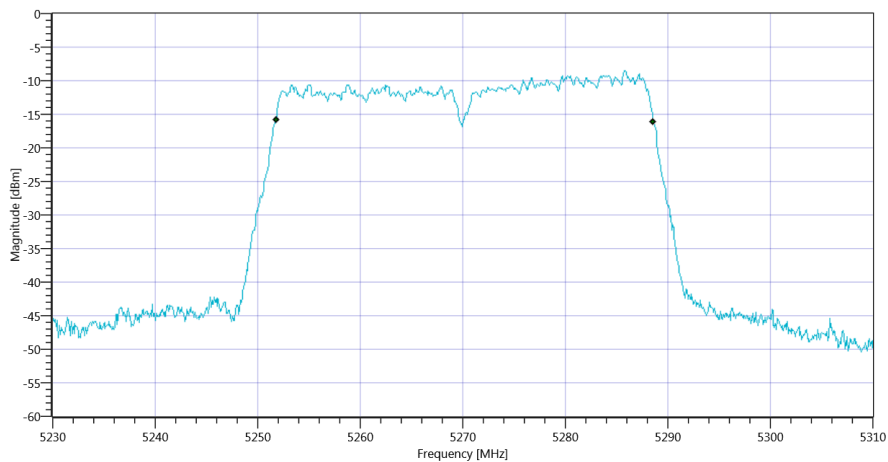
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A BW_16012020_114557.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.38 | 11.39 | 10
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	0.45	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	0.45	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.65	0.45	dBm	PASS
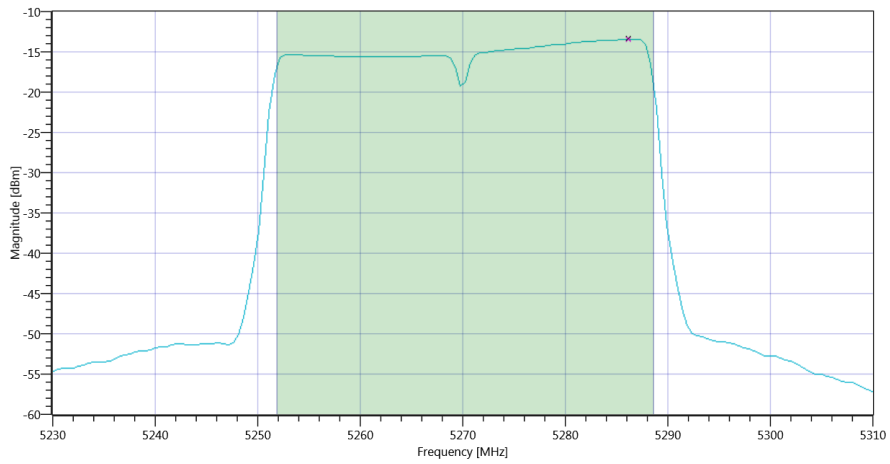
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD_16012020_114620.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.45	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-13.45	dBm/1MHz	PASS

TEST FINISHED			
General Verdict	16.01.2020 11:46:22 / RT: 50 s	PASS	

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

Test References	
TC Start	16.01.2020 11:46:27
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5270
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

## Test at TX 5270 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	2.14 | 11.39 | 10
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.763	MHz	Information
T1 99%	5250.000000	---	5251.8182	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.5814	MHz	PASS
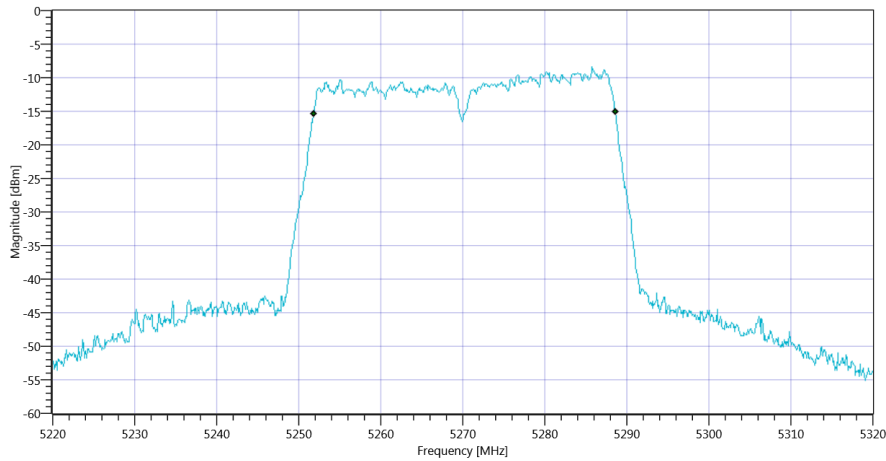
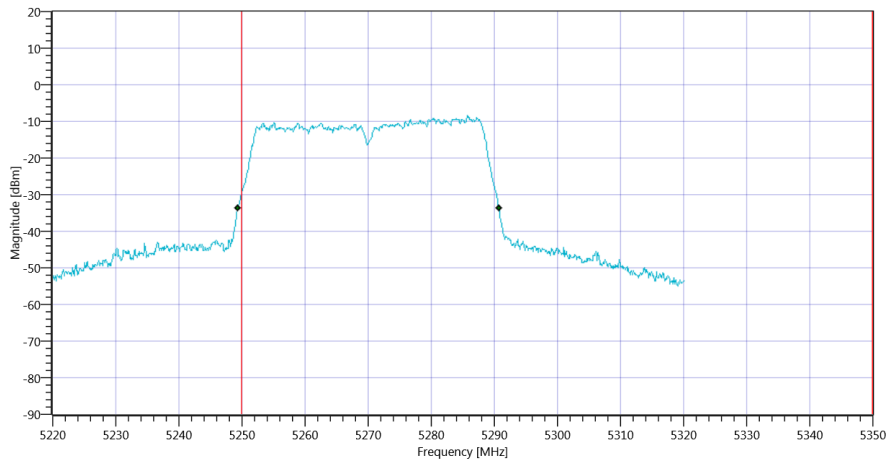Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A 99PCT_16012020_114656.png
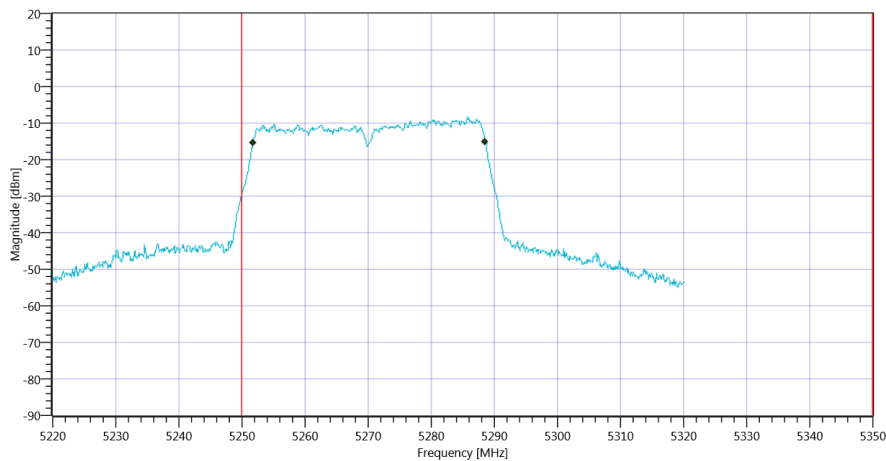
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A_16012020_114700.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.3	MHz	Information
T1 26dB	5250.000000	---	5249.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.7000	MHz	PASS
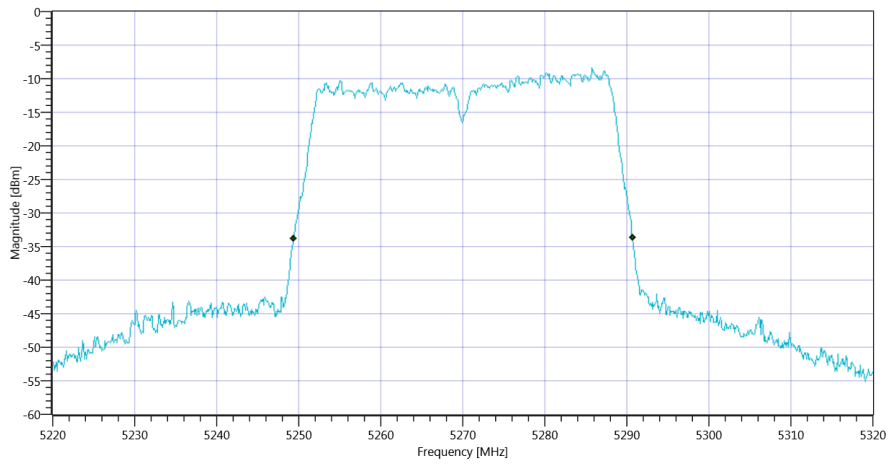
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A 26dB_16012020_114705.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A_16012020_114709.png

TEST FINISHED		
General Verdict	16.01.2020 11:47:09 / RT: 42 s	PASS

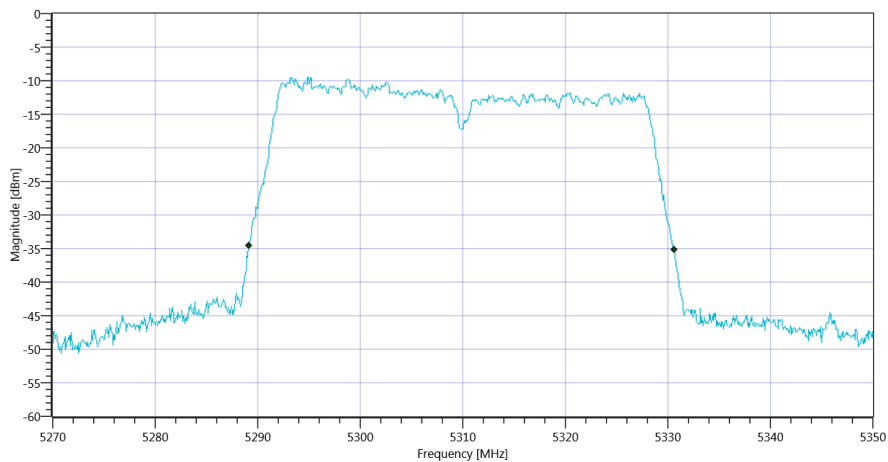# 100. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References	
TC Start	16.01.2020 11:50:46
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5270
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	True	Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5310 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.52	MHz	Information
T1 26dB	---	---	5289.1200	MHz	Information
T2 26dB	---	---	5330.6400	MHz	Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A BW_16012020_115111.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.88 | 11.44 | 10
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-0.39	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.39	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.18	-0.39	dBm	PASS
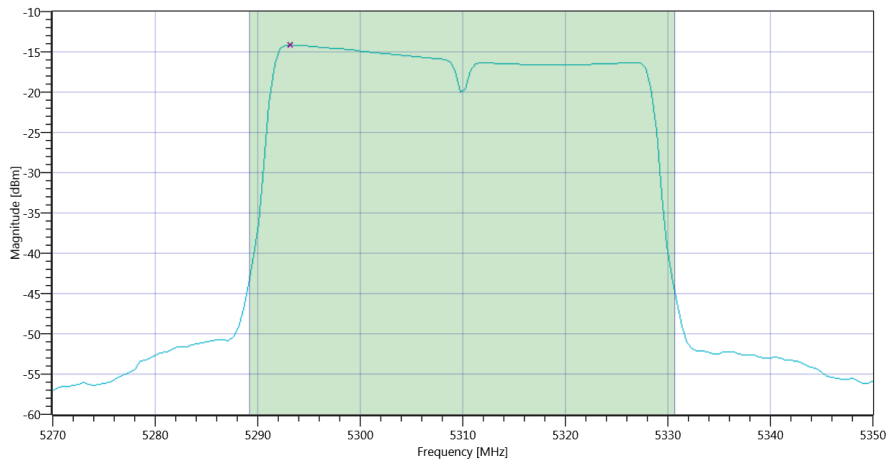
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD_16012020_115135.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.17	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.17	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 11:51:37 / RT: 51 s	PASS

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

Test References

TC Start	16.01.2020 11:51:41
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 | TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5310 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.843	MHz	Information
T1 99%	---	---	5291.5385	MHz	Information
T2 99%	---	---	5328.3816	MHz	Information
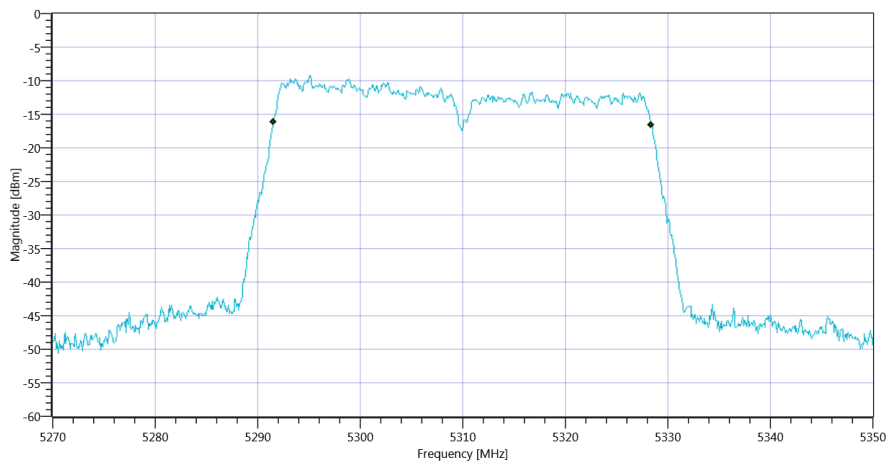
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A BW_16012020_115207.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.74 | 11.44 | 10
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-0.44	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.44	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.66	-0.44	dBm	PASS
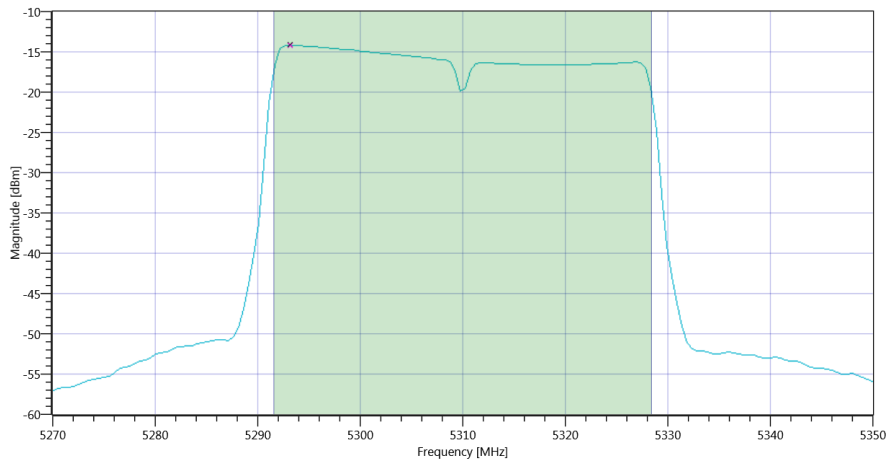
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD_16012020_115230.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.18	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.18	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 11:52:32 / RT: 51 s	PASS

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

Test References	
TC Start	16.01.2020 11:52:36
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-2A
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	False	Freq [MHz] 5270
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	True	Freq [MHz] 5310
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5310 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	1.76 | 11.44 | 10
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.863	MHz	Information
T1 99%	5250.000000	---	5291.5185	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.3816	MHz	PASS
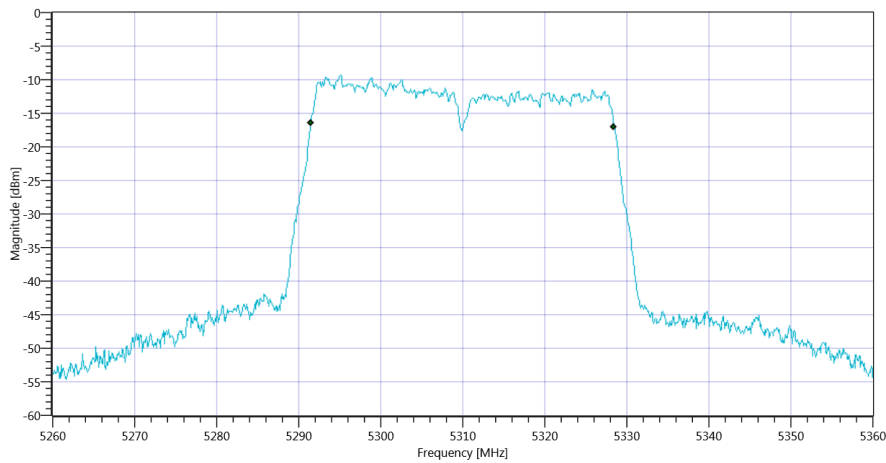
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A 99PCT_16012020_115306.png
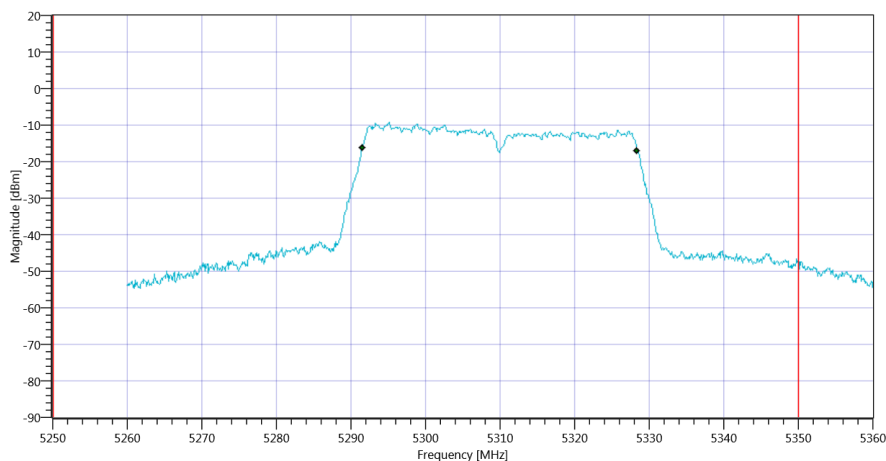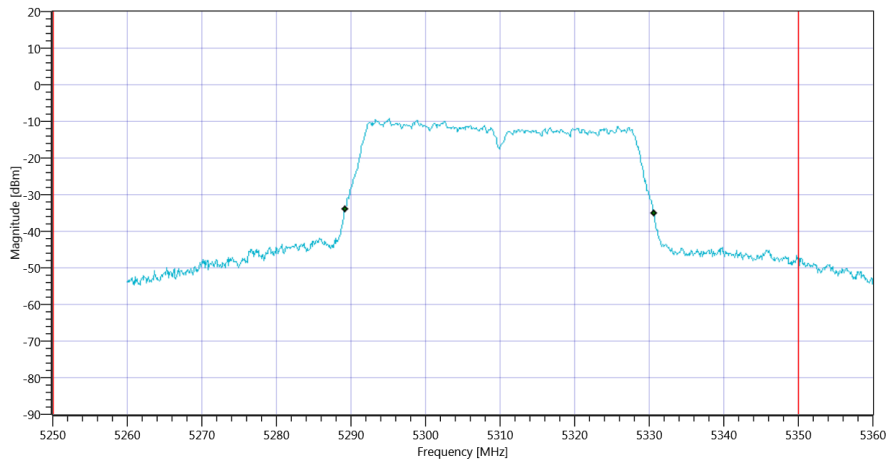

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A_16012020_115309.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.4	MHz	Information
T1 26dB	5250.000000	---	5289.2000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.6000	MHz	PASS
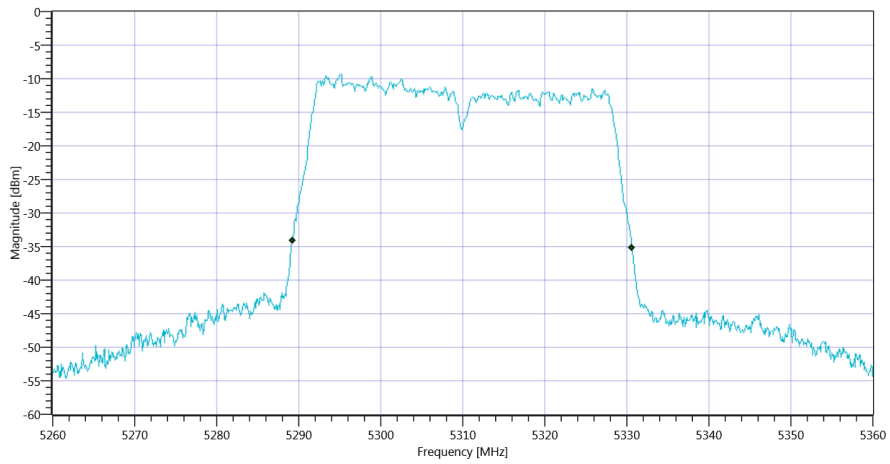
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A 26dB_16012020_115315.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2A_16012020_115319.png

TEST FINISHED		
General Verdict	16.01.2020 11:53:19 / RT: 42 s	PASS

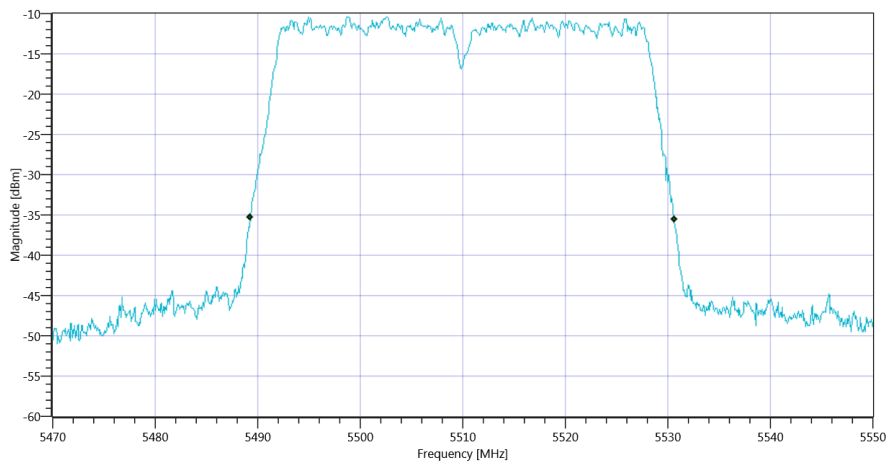# 103. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	16.01.2020 11:56:20
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

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

Test at TX 5510 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

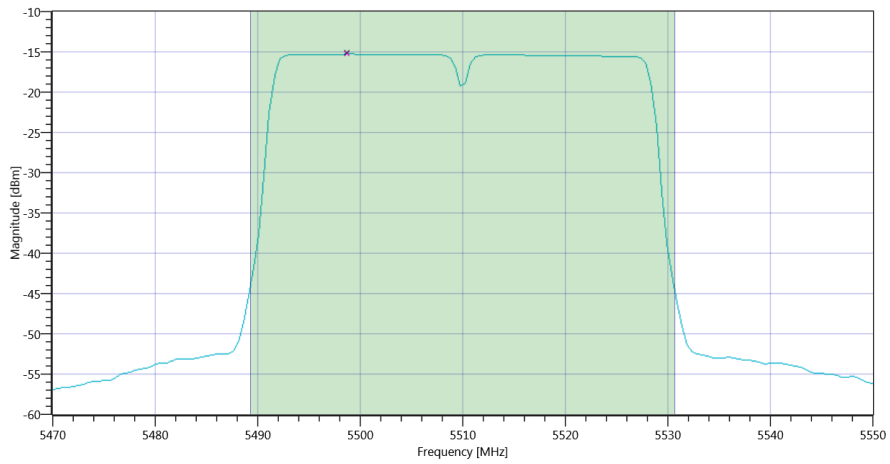| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 26dB	---	---	41.36	MHz		Information
T1 26dB	---	---	5489.2800	MHz		Information
T2 26dB	---	---	5530.6400	MHz		Information

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_115642.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.75 | 11.32 | 10
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	-0.16	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	24	-0.16	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	27.17	-0.16	dBm		PASS

Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_115705.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.28	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.28	dBm/1MHz	PASS

TEST FINISHED			
General Verdict		16.01.2020 11:57:07 / RT: 46 s	PASS

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

| Test References	
TC Start	16.01.2020 11:57:11
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 | TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5510 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 99%	---	---	36.683	MHz		Information
T1 99%	---	---	5491.6983	MHz		Information
T2 99%	---	---	5528.3816	MHz		Information
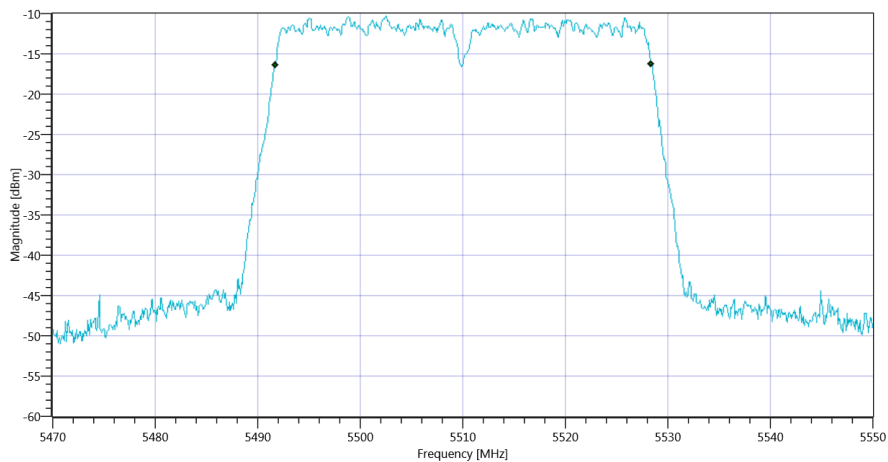
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_115732.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.65 | 11.32 | 10
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	-0.21	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	24	-0.21	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	26.64	-0.21	dBm		PASS
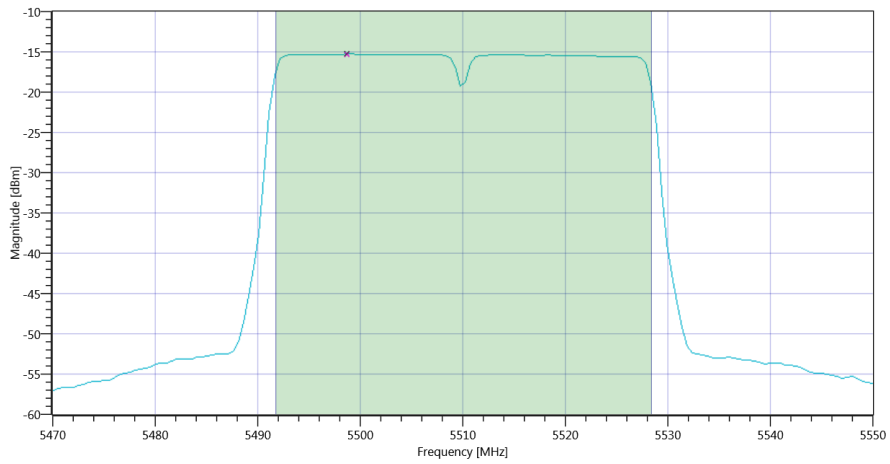
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_115756.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.29	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.29	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 11:57:58 / RT: 46 s	PASS

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

Test References	
TC Start	16.01.2020 11:58:02
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5510 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	0.41 | 11.32 | 5
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.663	MHz	Information
T1 99%	5470.000000	---	5491.7183	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.3816	MHz	
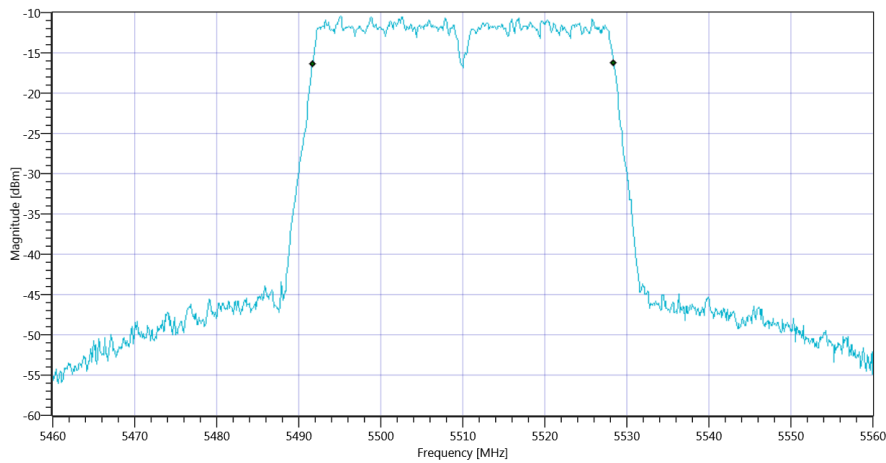
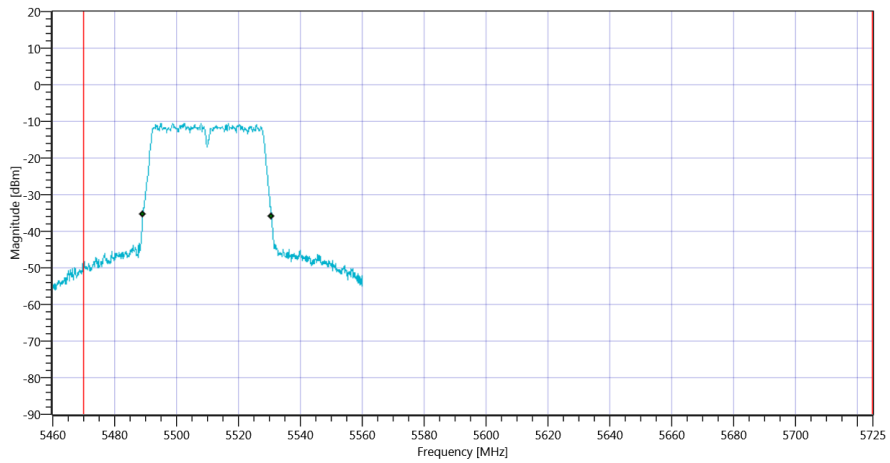Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT_16012020_115825.png
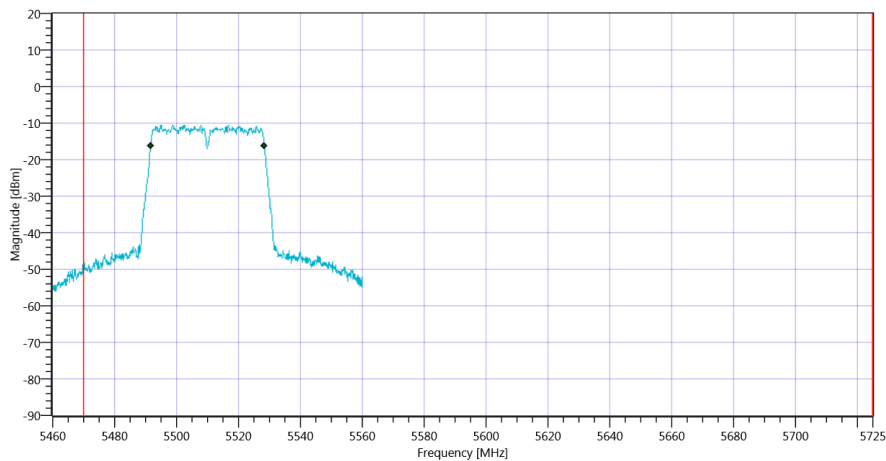
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_115829.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.5	MHz	Information
T1 26dB	5470.000000	---	5489.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.7000	MHz	
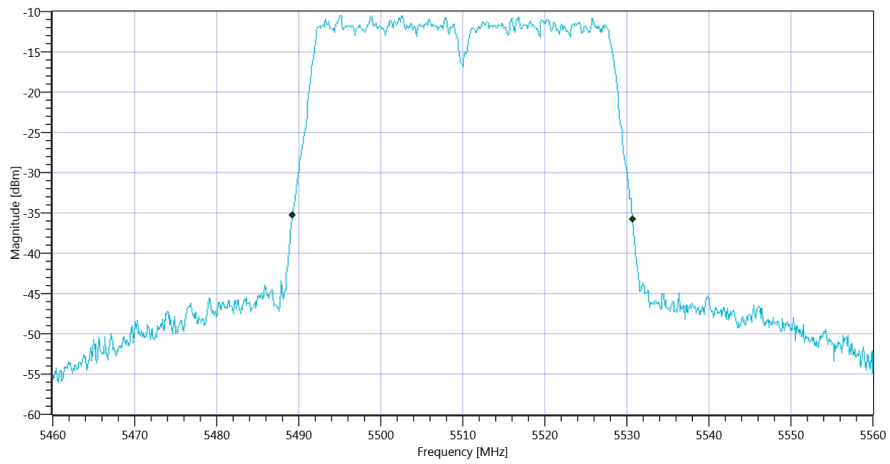
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB_16012020_115834.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_115839.png

TEST FINISHED		
General Verdict	16.01.2020 11:58:39 / RT: 37 s	PASS

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

Test References

|	
TC Start	16.01.2020 12:00:59
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1 | TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

Test Parameter

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

Test at TX 5590 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.44	MHz	Information
T1 26dB	---	---	5569.1200	MHz	Information
T2 26dB	---	---	5610.5600	MHz	Information
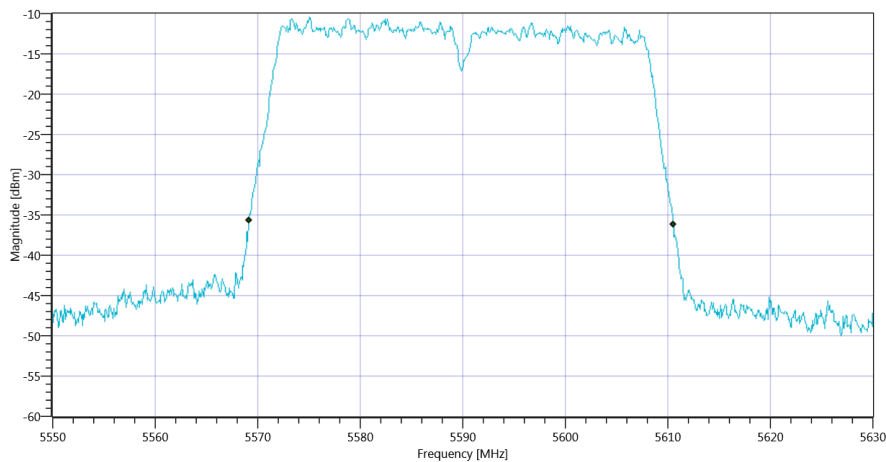
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_120120.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.08 | 11.49 | 10
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-0.66	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.66	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.17	-0.66	dBm	PASS
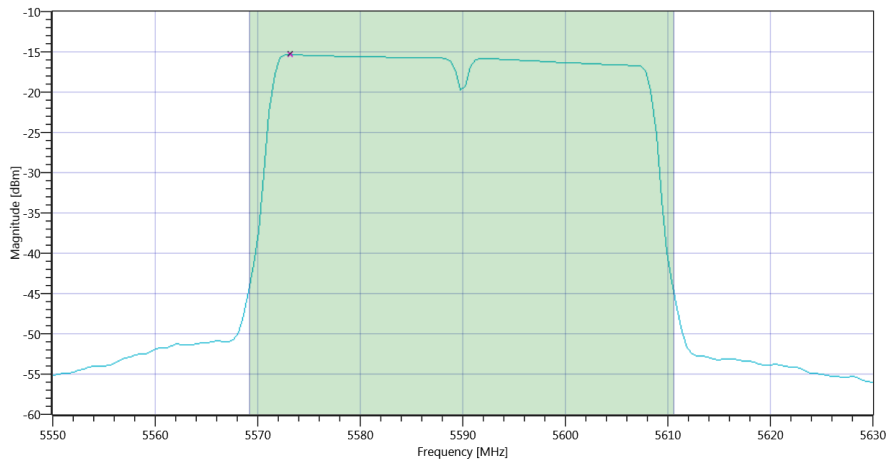
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_120143.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.33	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.33	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 12:01:45 / RT: 46 s	PASS

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

Test References	
TC Start	16.01.2020 12:01:50
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5590 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.683	MHz	Information
T1 99%	---	---	5571.6184	MHz	Information
T2 99%	---	---	5608.3017	MHz	Information
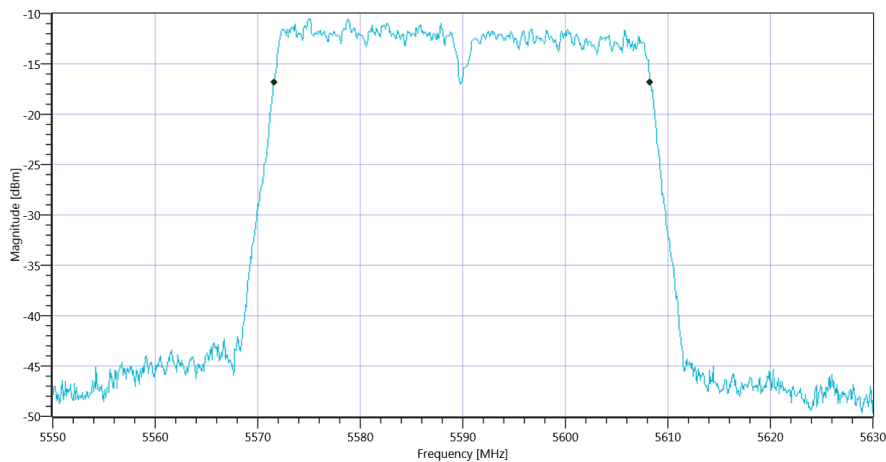
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_120212.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	4.13 | 11.49 | 10
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	-0.71	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	-0.71	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.64	-0.71	dBm	PASS
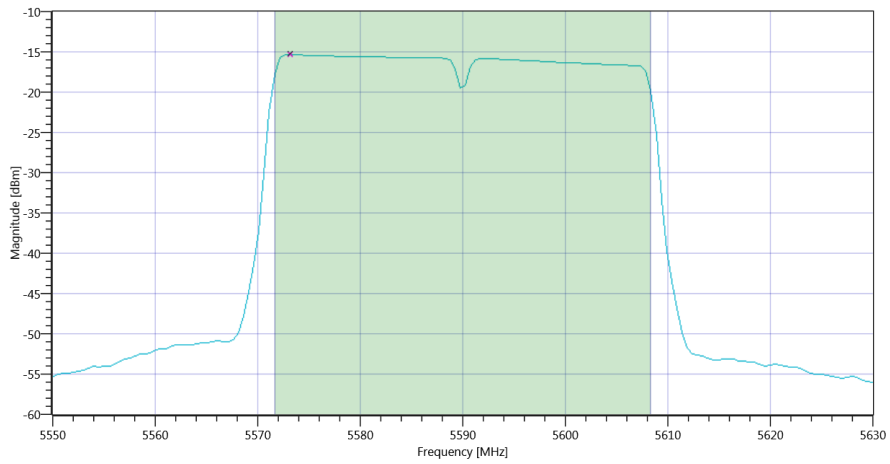
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_120235.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-15.35	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-15.35	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 12:02:37 / RT: 46 s	PASS

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

Test References	
TC Start	16.01.2020 12:02:41
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5590 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	0.51 | 11.49 | 5
Start [MHz] | Stop [MHz]	5540.000 | 5640.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.663	MHz	Information
T1 99%	5470.000000	---	5571.6184	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5608.2817	MHz	
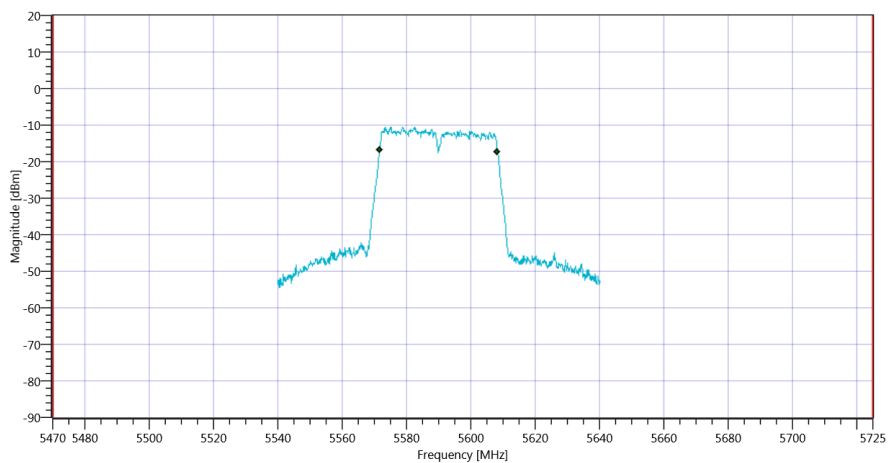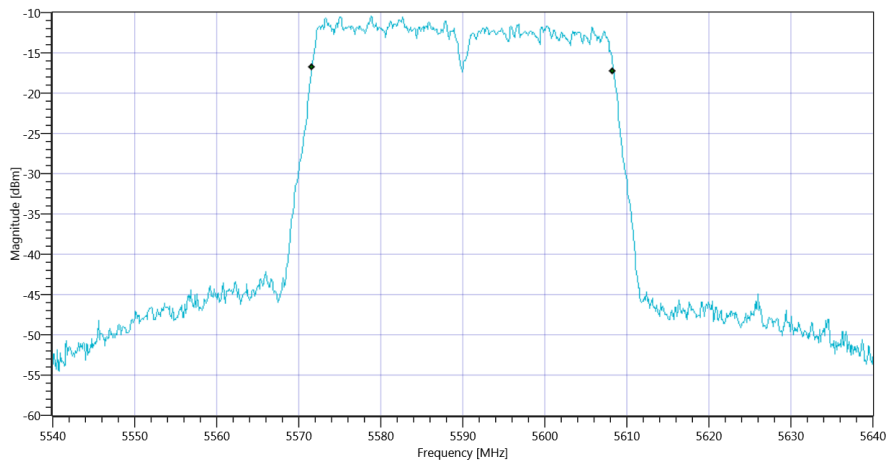
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT_16012020_120303.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_120307.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.6	MHz	Information
T1 26dB	5470.000000	---	5569.1000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.7000	MHz	
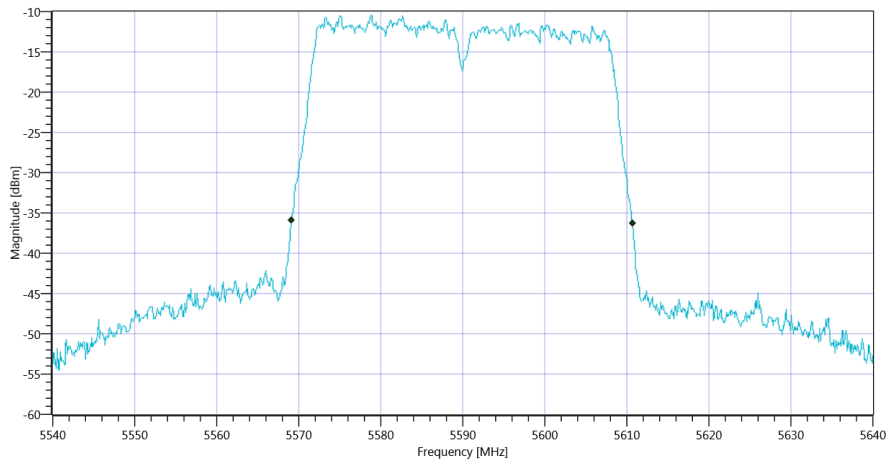
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB_16012020_120312.png
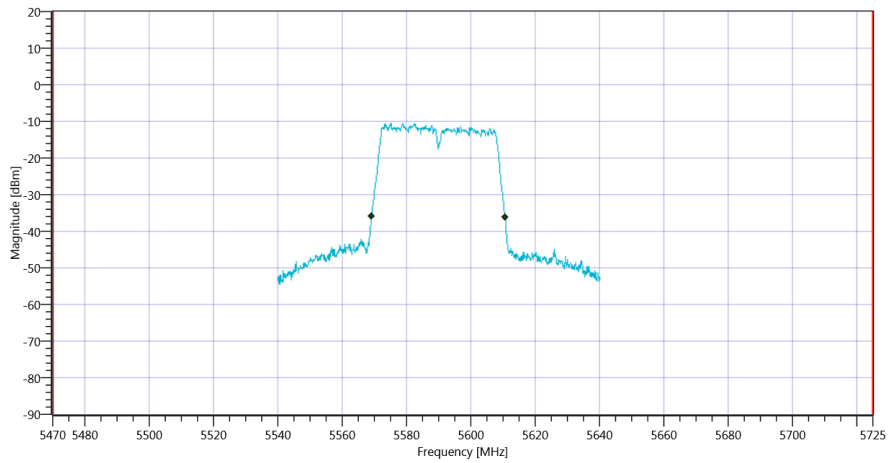
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_120316.png

TEST FINISHED		
General Verdict	16.01.2020 12:03:17 / RT: 35 s	PASS

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

| Test References	
TC Start	16.01.2020 12:05:24
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5670 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 26dB	---	---	41.6	MHz		Information
T1 26dB	---	---	5649.0400	MHz		Information
T2 26dB	---	---	5690.6400	MHz		Information
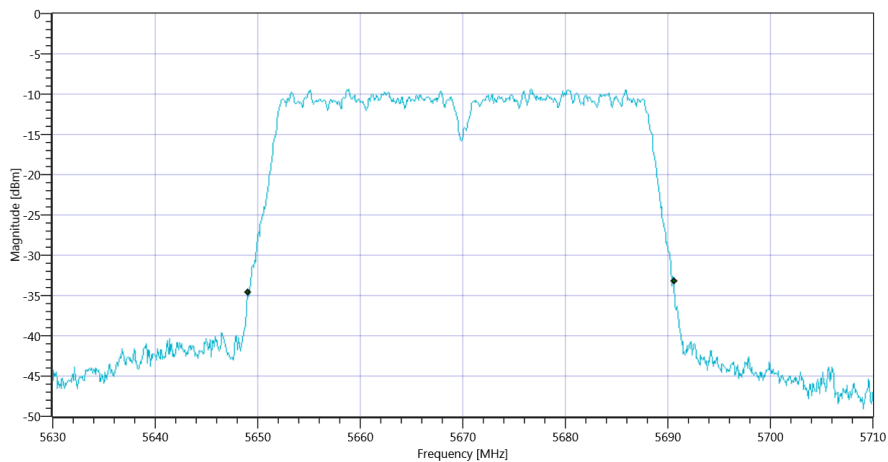
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_120545.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.73 | 11.53 | 10
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	0.92	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	24	0.92	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	27.19	0.92	dBm		PASS
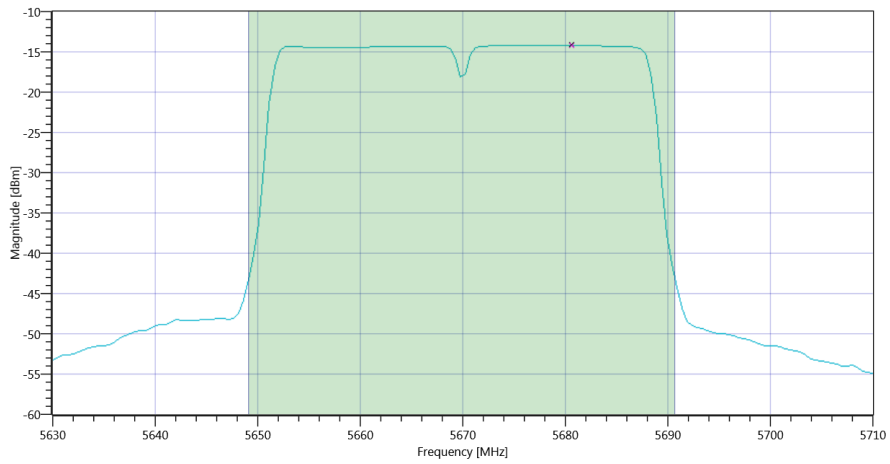
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_120608.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.22	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.22	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 12:06:11 / RT: 46 s	PASS

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

| Test References	
TC Start	16.01.2020 12:06:15
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5670 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.683	MHz	Information
T1 99%	---	---	5651.6983	MHz	Information
T2 99%	---	---	5688.3816	MHz	Information
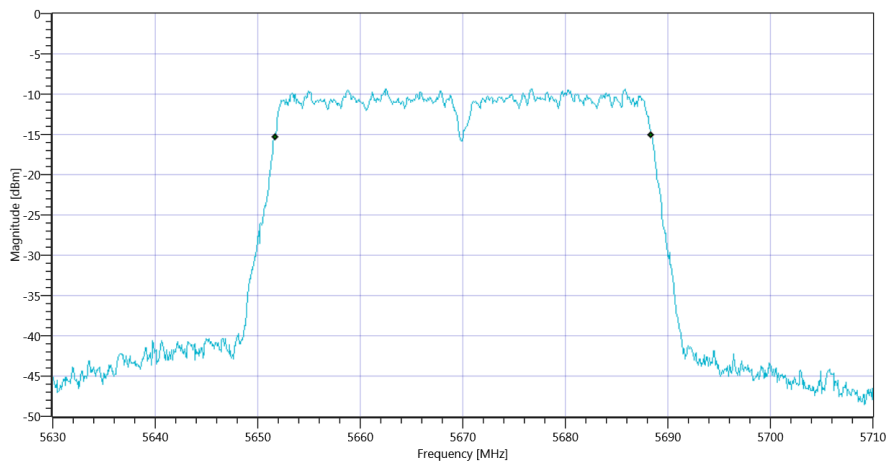
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW_16012020_120637.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.78 | 11.53 | 10
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	0.86	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	24	0.86	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.64	0.86	dBm	PASS
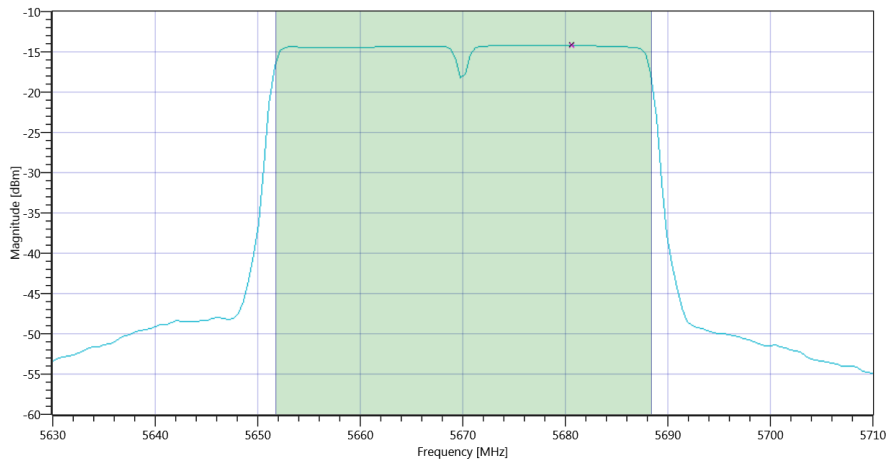
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD_16012020_120700.png

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01				
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-14.23	dBm/1MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	11	-14.23	dBm/1MHz	PASS

TEST FINISHED		
General Verdict	16.01.2020 12:07:02 / RT: 47 s	PASS

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

Test References	
TC Start	16.01.2020 12:07:07
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

Test at TX 5670 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	1.98 | 11.53 | 10
Start [MHz] | Stop [MHz]	5620.000 | 5720.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.663	MHz	Information
T1 99%	5470.000000	---	5651.7183	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5688.3816	MHz	
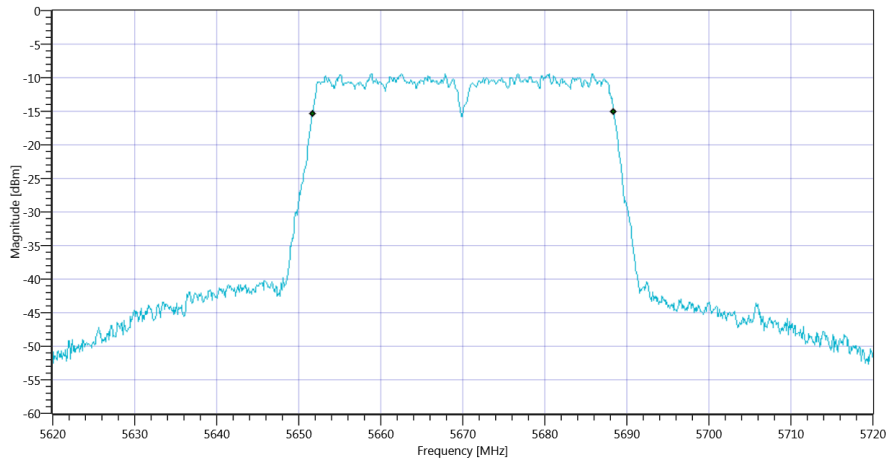
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT_16012020_120729.png
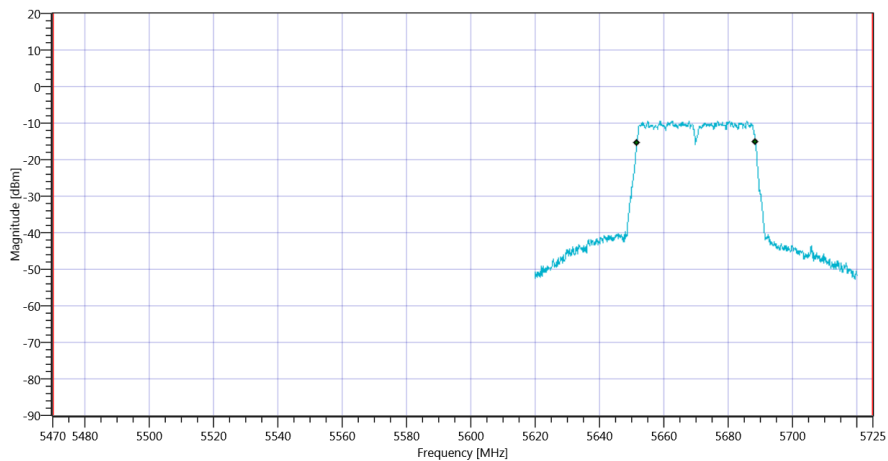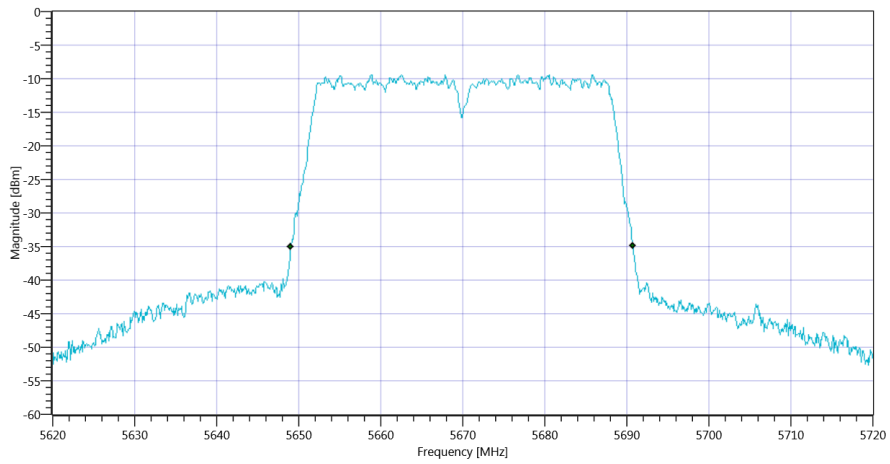

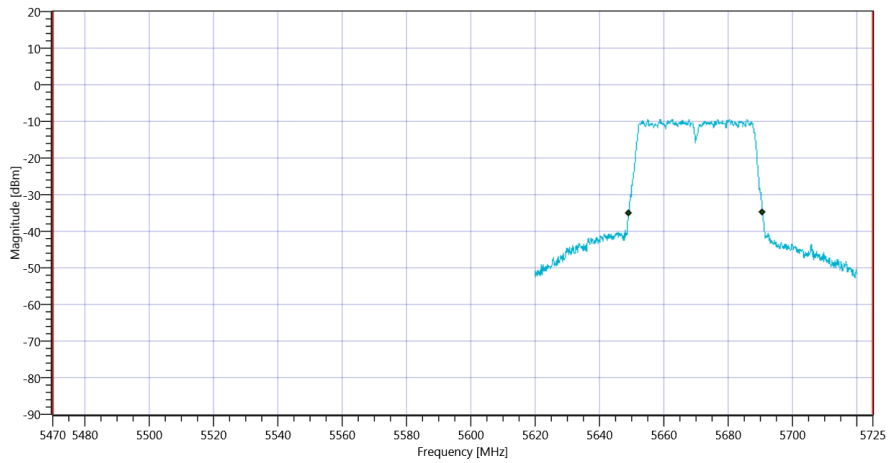Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_120733.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.7	MHz	Information
T1 26dB	5470.000000	---	5649.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5690.7000	MHz	

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB_16012020_120738.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C_16012020_120742.png

TEST FINISHED		
General Verdict	16.01.2020 12:07:43 / RT: 36 s	PASS

112. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3

| Test References	
TC Start	16.01.2020 12:10:18
System Version	1.0.0.29
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Add. Information	

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5755
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5795
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5755 MHz

RESULT:	Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Duty Cycle min	---	---	0	dB		DC > 98% defined

RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Bandwidth 26dB	---	---	60.64	MHz		Information
T1 26dB	---	---	5730.6800	MHz		Information
T2 26dB	---	---	5791.3200	MHz		Information
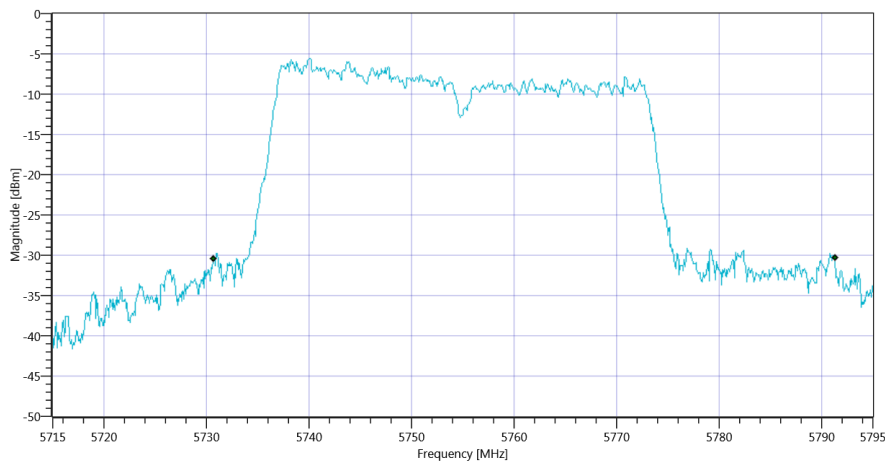
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 BW_16012020_121039.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.28 | 11.85 | 15
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT:	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit		Verdict
Max Output Power	---	---	3.33	dBm		Information
Duty Cycle Correction	---	---	0	dB		Information
Limit absolute						
Max Output Power DC corrected	---	30	3.33	dBm		PASS
Limit by: 11 dBm + 10 log Bandwidth						
Max Output Power DC corrected	---	28.83	3.33	dBm		not applicable
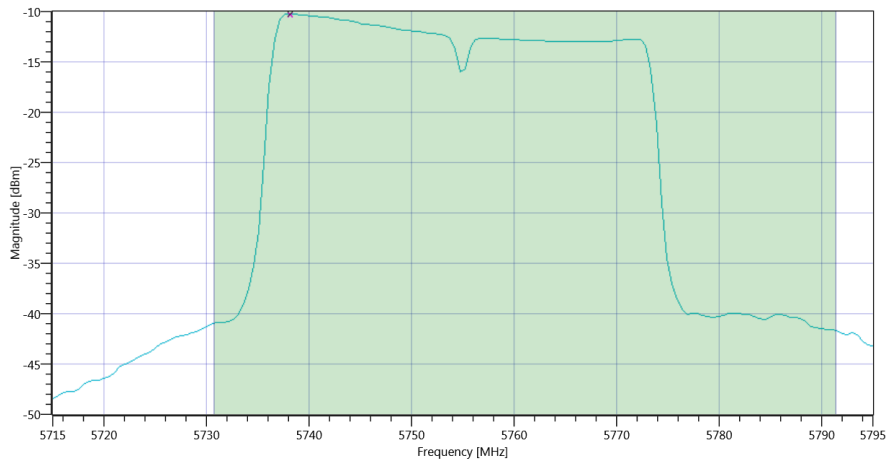
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 Max OP and PSD_16012020_121102.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.28 | 11.85 | 15
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.26	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-13.26	dBm/0.5MHz	PASS
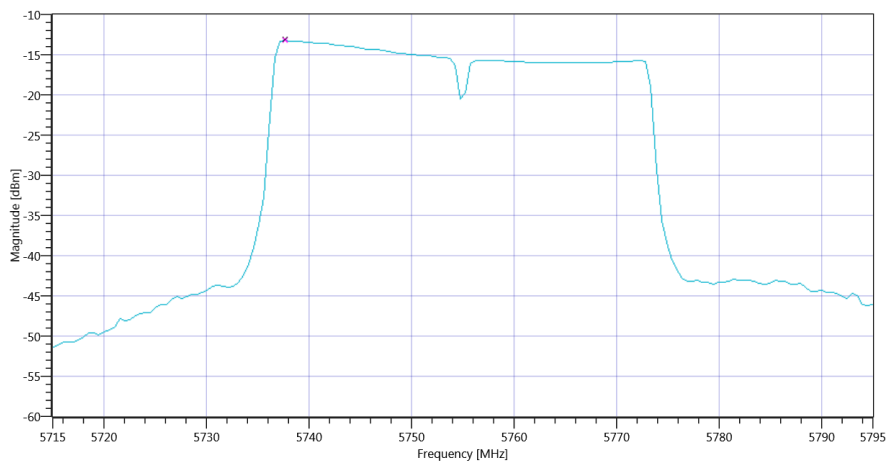
Plot_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 PSD UNII-3_16012020_121125.png

TEST FINISHED		
General Verdict	16.01.2020 12:11:25 / RT: 67 s	PASS

113. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

|	
TC Start	16.01.2020 12:11:30
System Version	1.0.0.29
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1	TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Add. Information	

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5755
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5795
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

Test at TX 5755 MHz

RESULT: Duty Cycle					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Duty Cycle min	---	---	0	dB	DC > 98% defined

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.243	MHz	Information
T1 99%	---	---	5736.3786	MHz	Information
T2 99%	---	---	5773.6214	MHz	Information
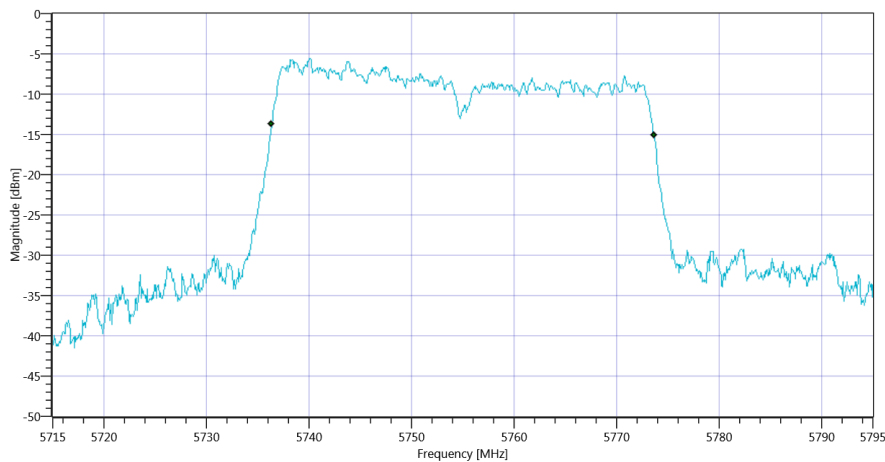
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 BW_16012020_121156.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.65 | 11.85 | 15
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

| RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	3.28	dBm	Information
Duty Cycle Correction	---	---	0	dB	Information
Limit absolute					
Max Output Power DC corrected	---	30	3.28	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.71	3.28	dBm	not applicable
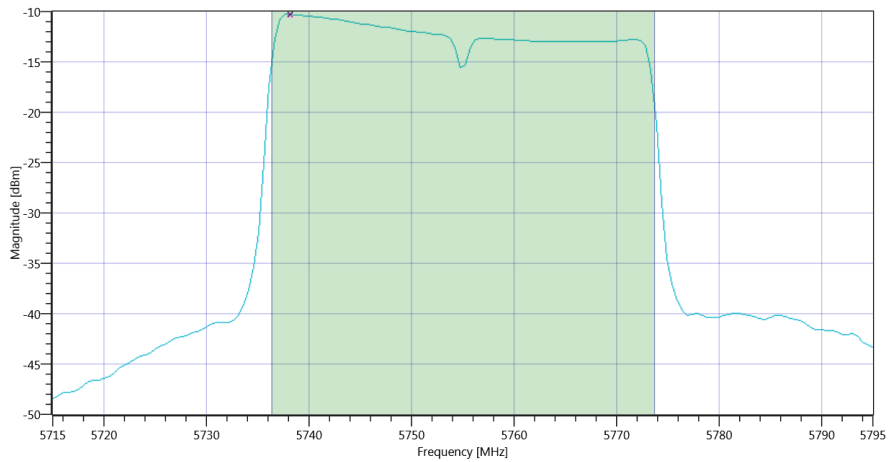
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 Max OP and PSD_16012020_121220.png

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.65 | 11.85 | 15
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	16000 | 1 | 160 | SWE

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-13.29	dBm/0.5MHz	Information
Duty Cycle Correction	---	---	0	dB	Information
Power Spectral Density DC corrected	---	30	-13.29	dBm/0.5MHz	PASS
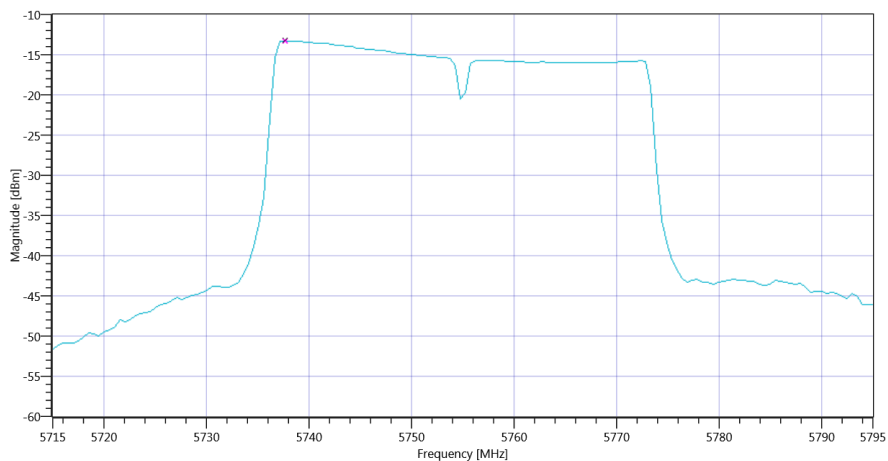
Plot_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-3 PSD UNII-3_16012020_121242.png

TEST FINISHED		
General Verdict	16.01.2020 12:12:43 / RT: 72 s	PASS

114. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-3

Test References	
TC Start	16.01.2020 12:12:48
System Version	1.0.0.29
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1	TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Add. Information	

| Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode U-NII-3
Antenna Port used	1
Temperature	mid
Voltage	mid
Frequency low to test	True	Freq [MHz] 5755
Frequency mid to test	False	Freq [MHz] 0
Frequency high to test	False	Freq [MHz] 5795
Switched Path	IUT - SignalingUnit - SpectrumAnalyzer
Devices in use	SA: Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60

## Test at TX 5755 MHz

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	5.67 | 11.85 | 10
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

| RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.363	MHz	Information
T1 99%	5725.000000	---	5736.3187	MHz	PASS
T2 99%	---	5850.000000	5773.6813	MHz	PASS
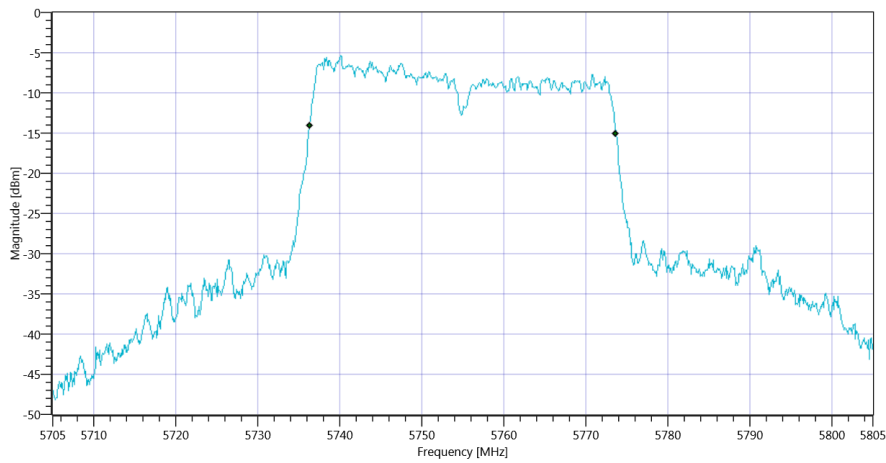
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-3 99PCT_16012020_121311.png
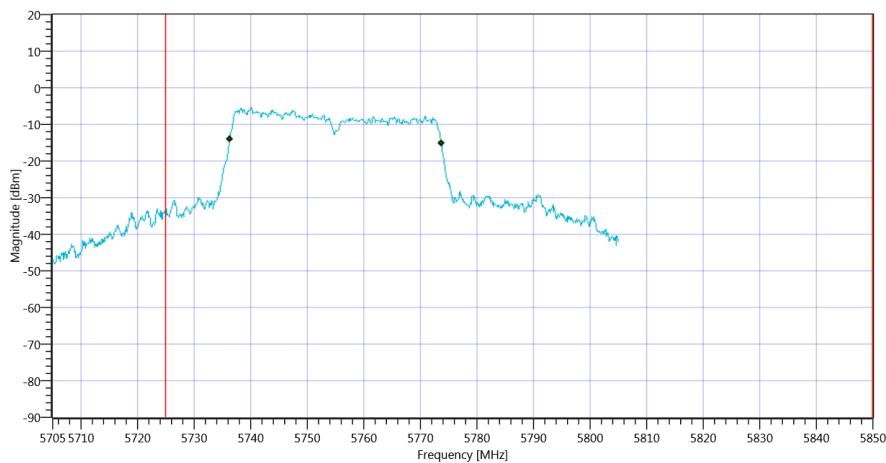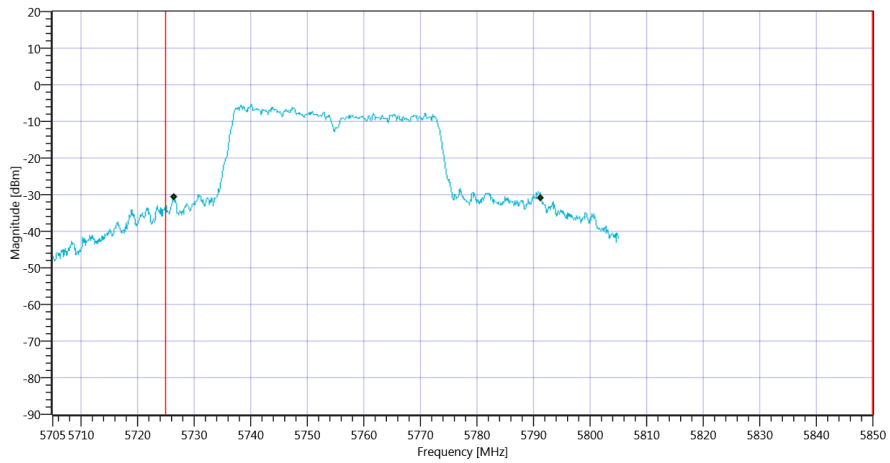

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-3_16012020_121314.png

RESULT: TC_VM_FCC15407_Bandwidths_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	64.9	MHz	Information
T1 26dB	5725.000000	---	5726.4000	MHz	PASS
T2 26dB	---	5850.000000	5791.3000	MHz	PASS
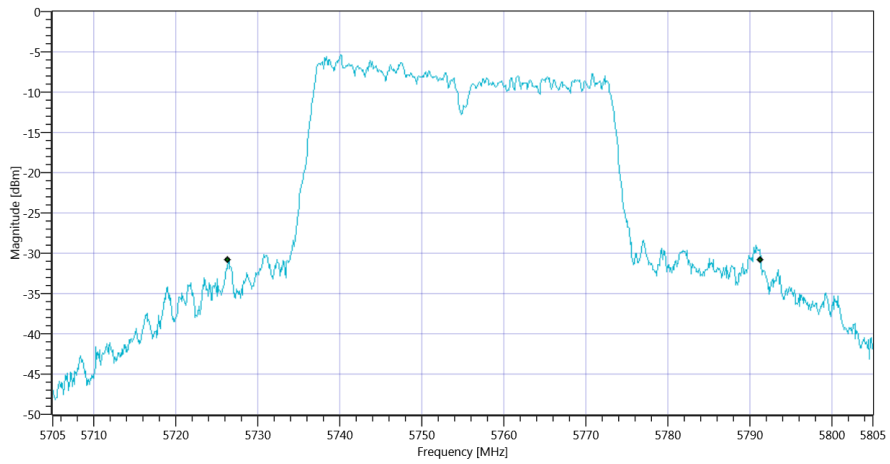
Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-3 26dB_16012020_121319.png

Plot_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-3_16012020_121323.png

TEST FINISHED		
General Verdict	16.01.2020 12:13:24 / RT: 36 s	PASS