

# Measurement Results

1-8503/19-01-09\_log1\_conducted

[Test logging](#)

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## IUT Summary

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

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

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

Test References	
TC Start	20.11.2019 13:37:02
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

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

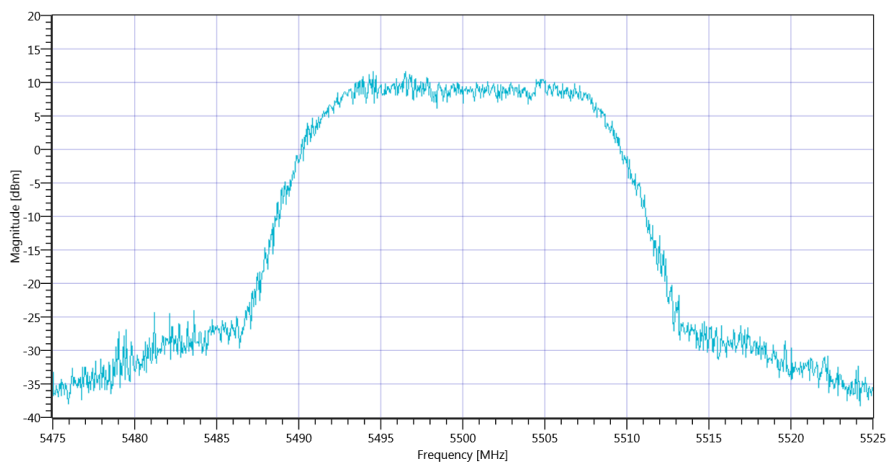
## Test at TX 5500 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C\_20112019\_133725.png

### TEST FINISHED

General Verdict

20.11.2019 13:37:25 / RT: 22 s

PASS

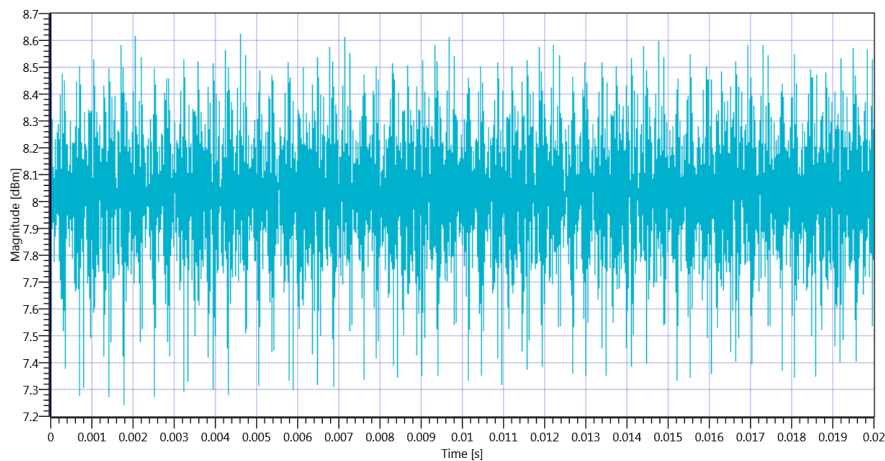
## 2. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

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

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

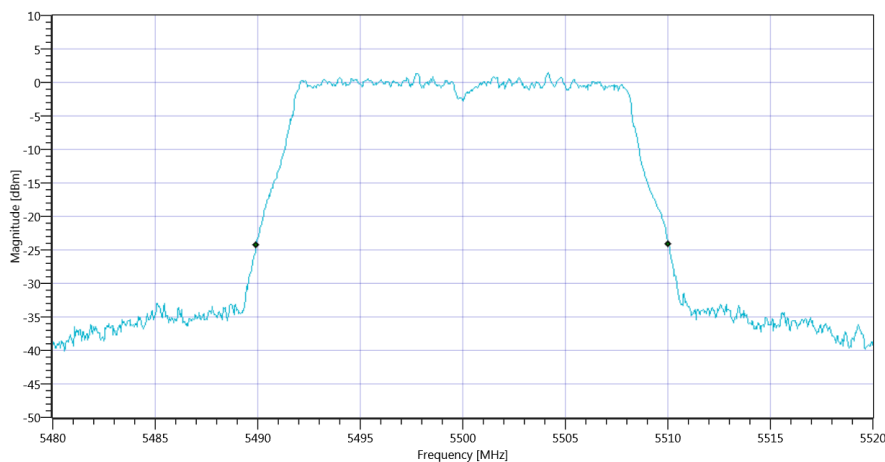
## Test at TX 5500 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5500 MHz - Duty Cycle\_20112019\_133743.png

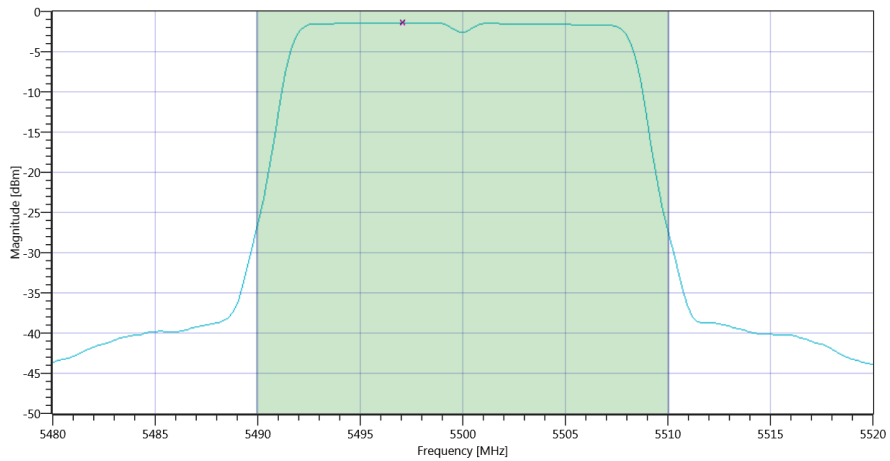
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.12	MHz	Information
T1 26dB	---	---	5489.9200	MHz	Information
T2 26dB	---	---	5510.0400	MHz	Information



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_133751.png

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

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD\_20112019\_133806.png

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

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



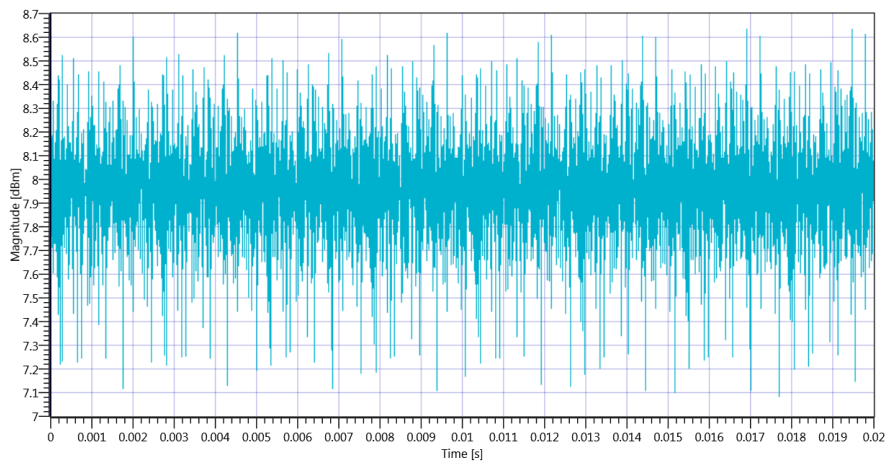
### 3. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:38:11
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

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

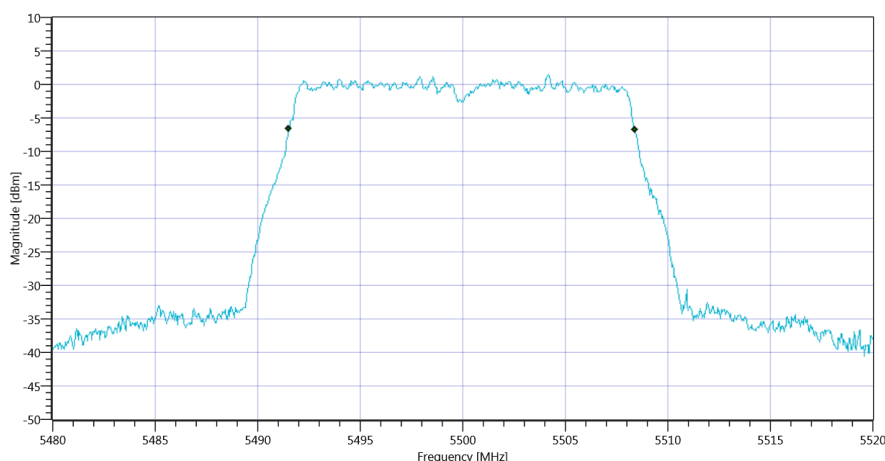
## Test at TX 5500 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5500 MHz - Duty Cycle\_20112019\_133824.png

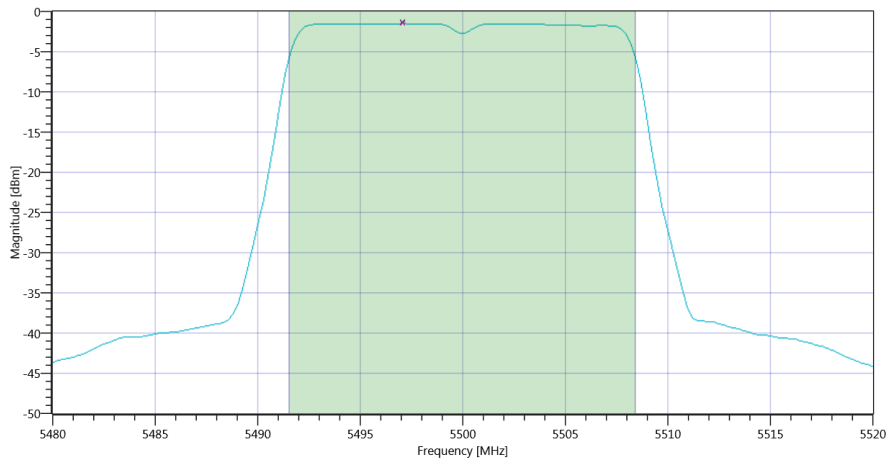
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.863	MHz	Information
T1 99%	---	---	5491.5285	MHz	Information
T2 99%	---	---	5508.3916	MHz	Information



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_133831.png

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

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD\_20112019\_133847.png

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

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

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

Test References	
TC Start	20.11.2019 13:38:52
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1   TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	

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

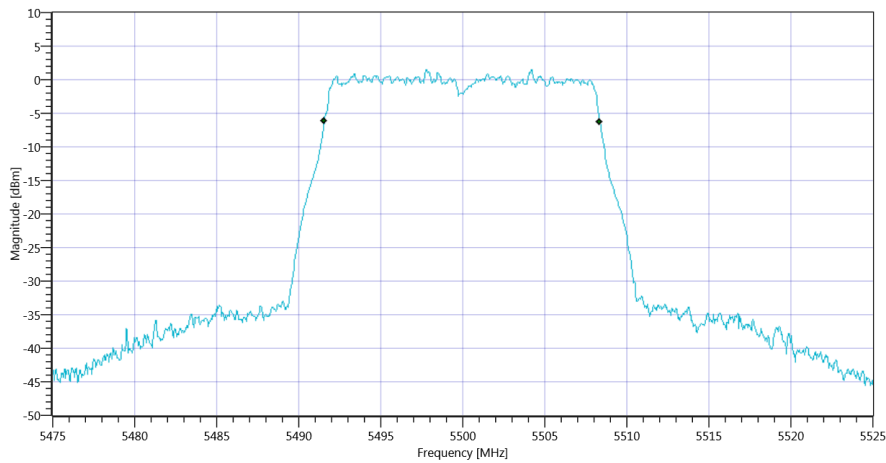
## Test at TX 5500 MHz

### READ SA SETTINGS:

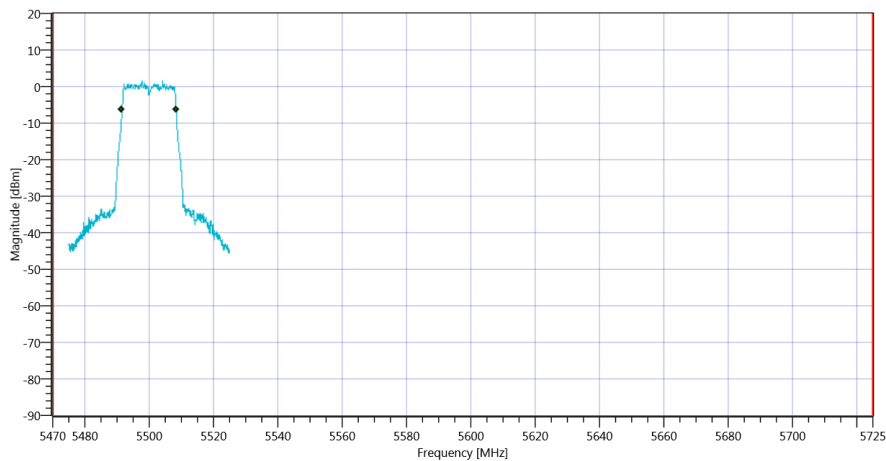
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.31   11.3   20
Start [MHz]   Stop [MHz]	5475.000   5525.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



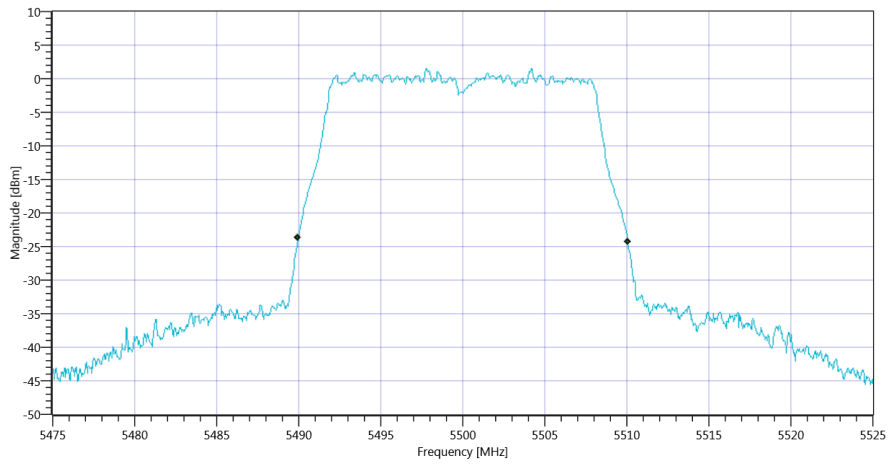
Plot\_FCC Part 15.407 & ISCED Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT\_20112019\_133909.png



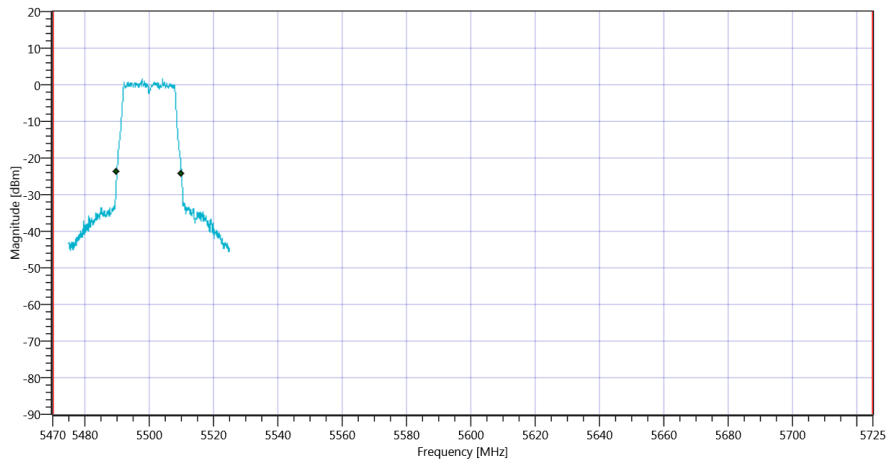
Plot\_FCC Part 15.407 & ISCED Bandwidths ~ WLAN5Gx a mode U-NII-2C\_20112019\_133912.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB\_20112019\_133916.png



Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C\_20112019\_133919.png

TEST FINISHED

General Verdict

20.11.2019 13:39:19 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 13:40:34
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

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

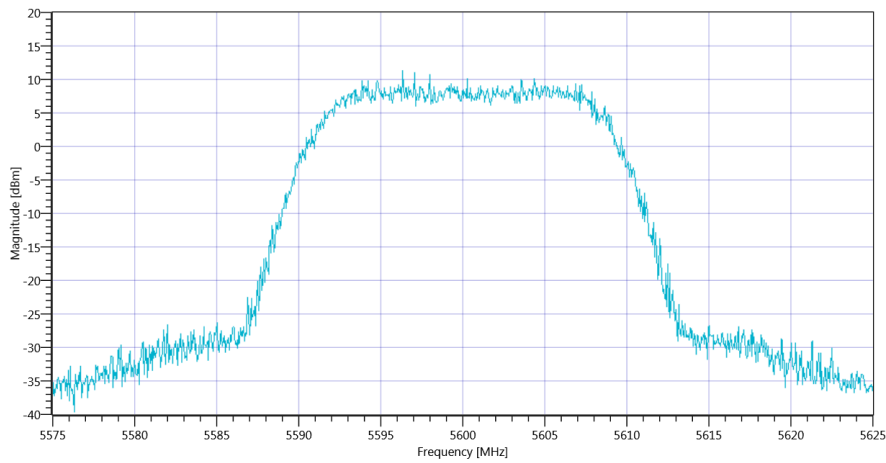
## Test at TX 5600 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C\_20112019\_134047.png

### TEST FINISHED

General Verdict

20.11.2019 13:40:47 / RT: 12 s

PASS



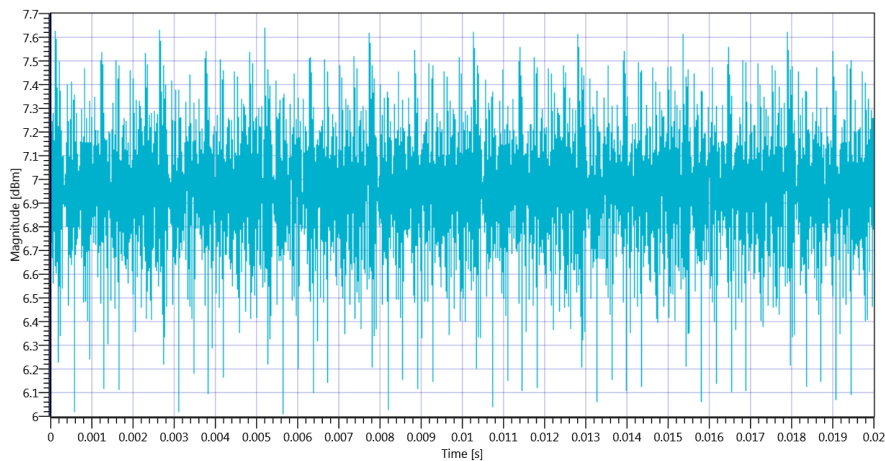
## 6. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

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

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

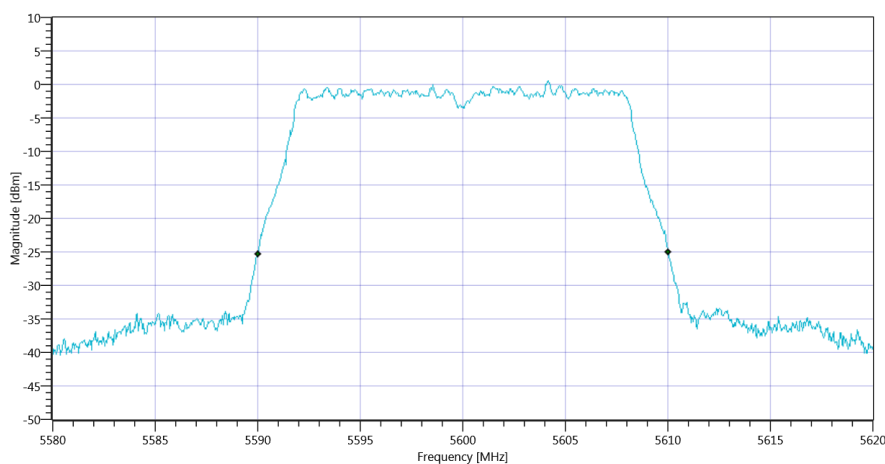
## Test at TX 5600 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5600 MHz - Duty Cycle\_20112019\_134104.png

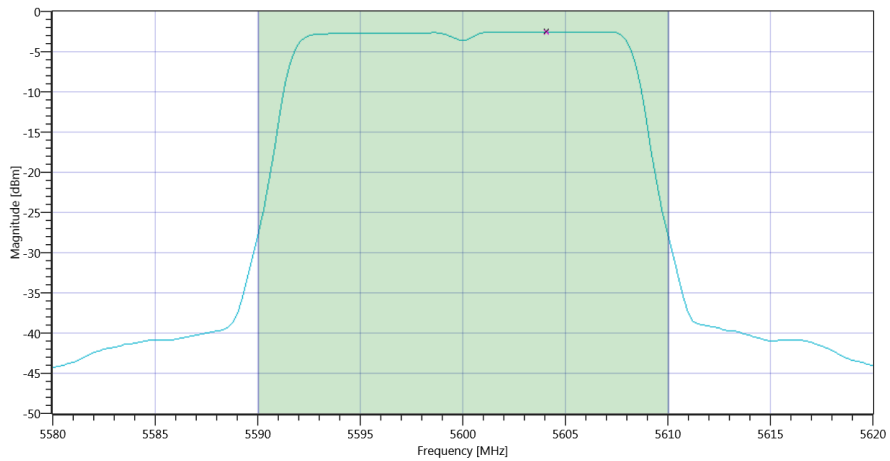
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20	MHz	Information
T1 26dB	---	---	5590.0000	MHz	Information
T2 26dB	---	---	5610.0000	MHz	Information



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_134111.png

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.61   11.5   25
Start [MHz]   Stop [MHz]	5580.000   5620.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

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



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

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

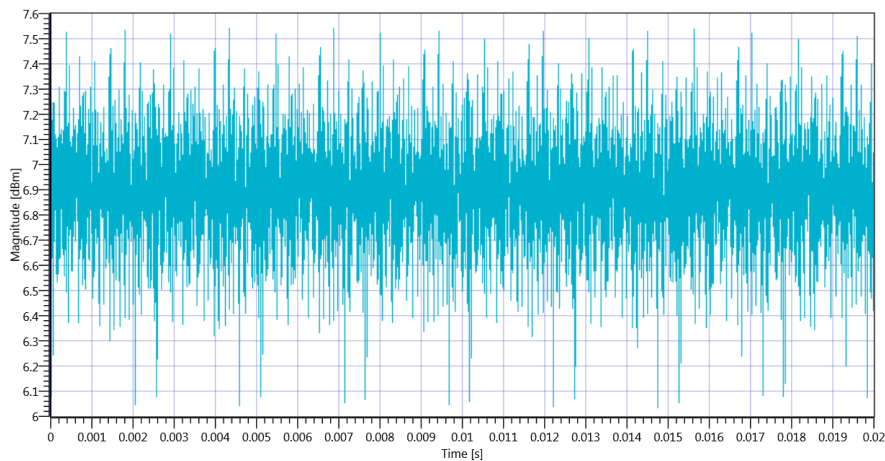
## 7. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 13:41:31
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

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

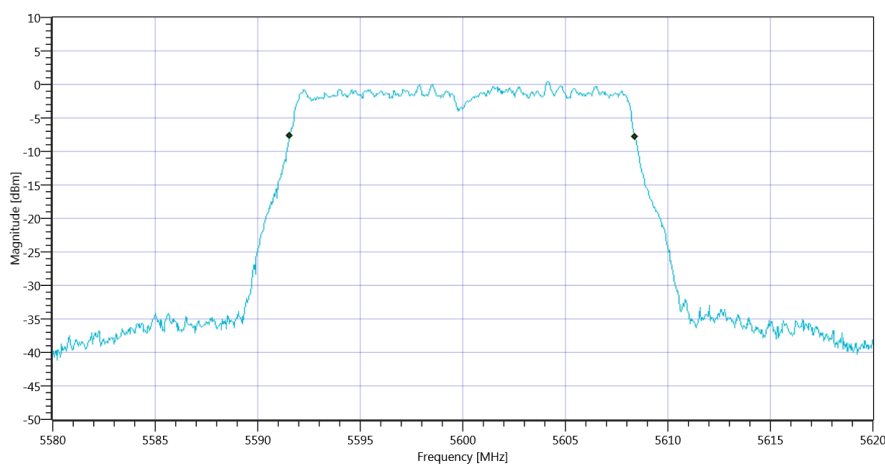
## Test at TX 5600 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5600 MHz - Duty Cycle\_20112019\_134144.png

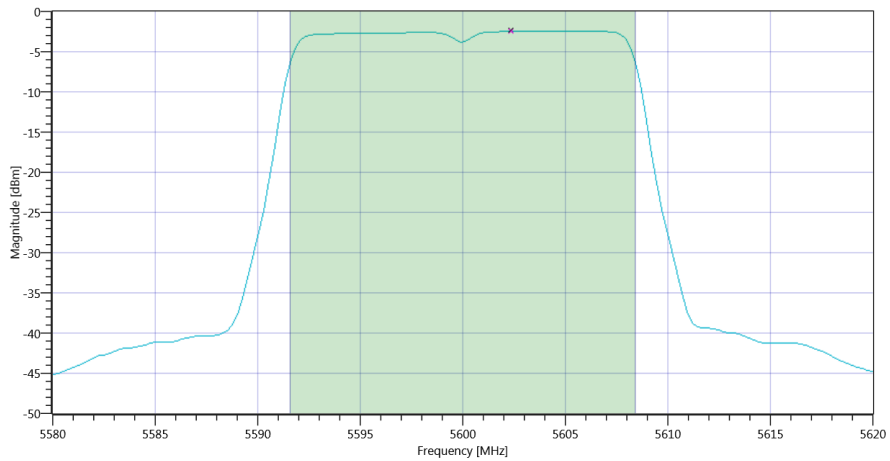
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.823	MHz	Information
T1 99%	---	---	5591.5684	MHz	Information
T2 99%	---	---	5608.3916	MHz	Information



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_134152.png

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

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD\_20112019\_134208.png

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

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

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

Test References	
TC Start	20.11.2019 13:42:12
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1   TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	

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

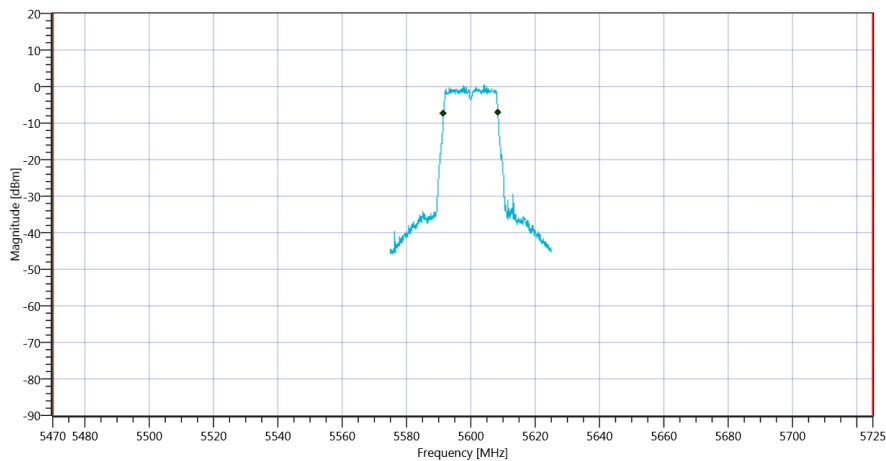
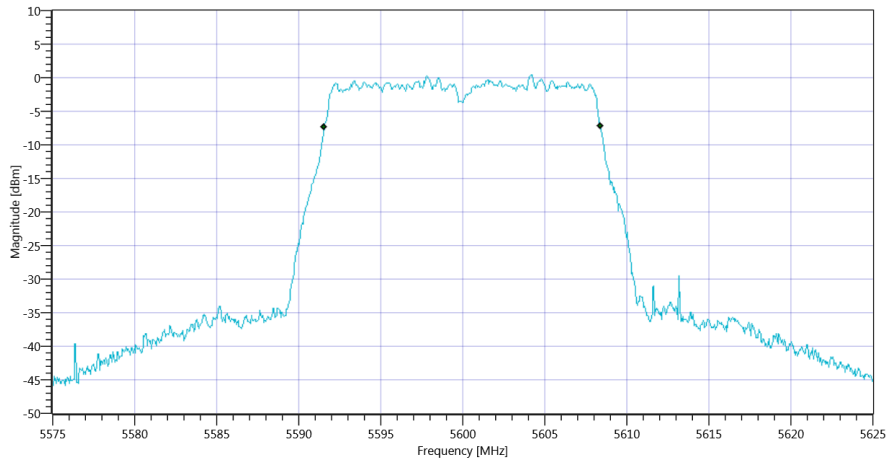
## Test at TX 5600 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

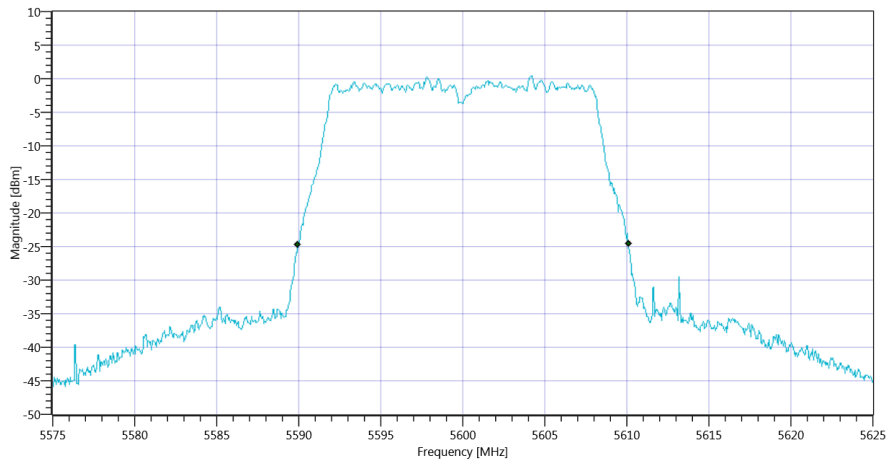
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.833	MHz	Information
T1 99%	5470.000000	---	5591.5584	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5608.3916	MHz	



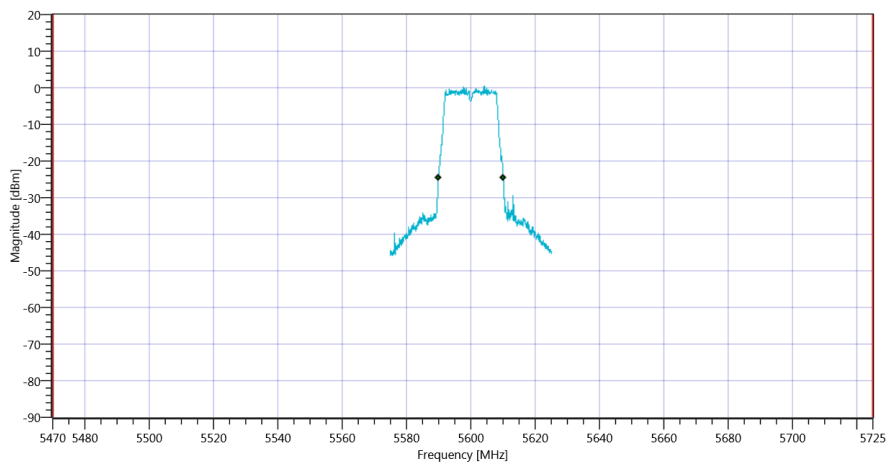
### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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





Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB\_20112019\_134237.png



Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C\_20112019\_134240.png

TEST FINISHED

General Verdict

20.11.2019 13:42:40 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 14:05:53
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

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

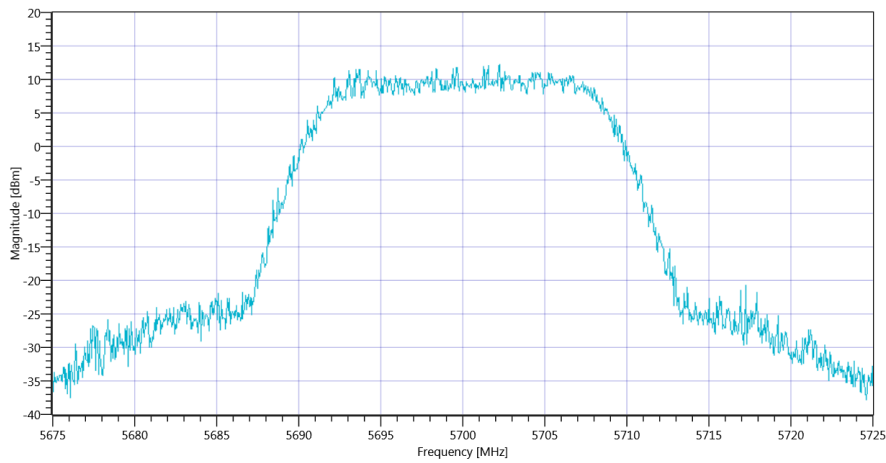
## Test at TX 5700 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C\_20112019\_140606.png

### TEST FINISHED

General Verdict

20.11.2019 14:06:06 / RT: 13 s

PASS

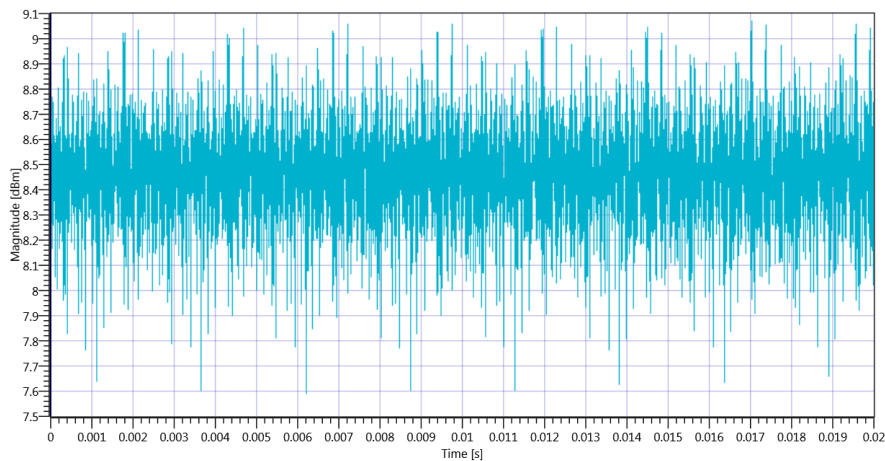
## 10. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

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

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

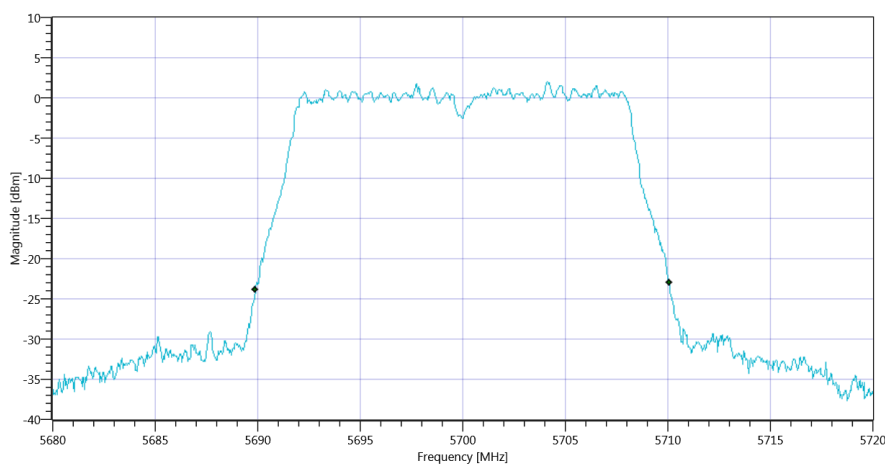
## Test at TX 5700 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5700 MHz - Duty Cycle\_20112019\_140623.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.2	MHz	Information
T1 26dB	---	---	5689.8800	MHz	Information
T2 26dB	---	---	5710.0800	MHz	Information

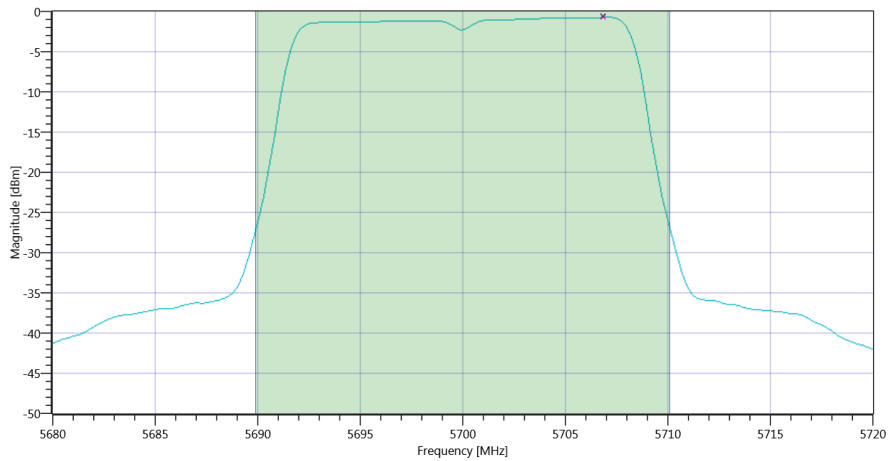


Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_140630.png

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

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD\_20112019\_140646.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict

20.11.2019 14:06:46 / RT: 36 s

PASS

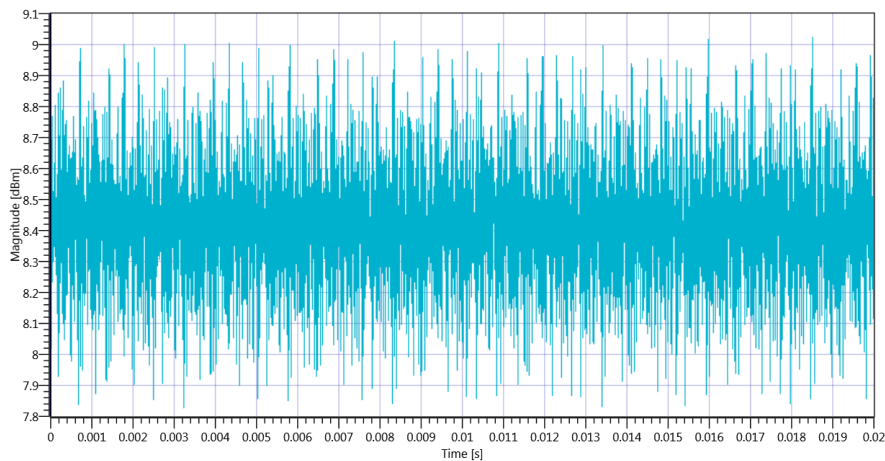
## 11. ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	20.11.2019 14:06:50
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

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

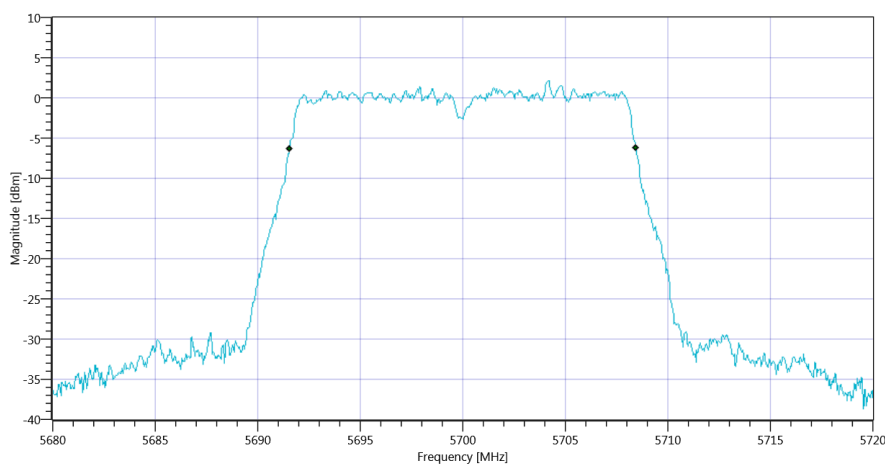
## Test at TX 5700 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C 5700 MHz - Duty Cycle\_20112019\_140703.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.863	MHz	Information
T1 99%	---	---	5691.5684	MHz	Information
T2 99%	---	---	5708.4316	MHz	Information



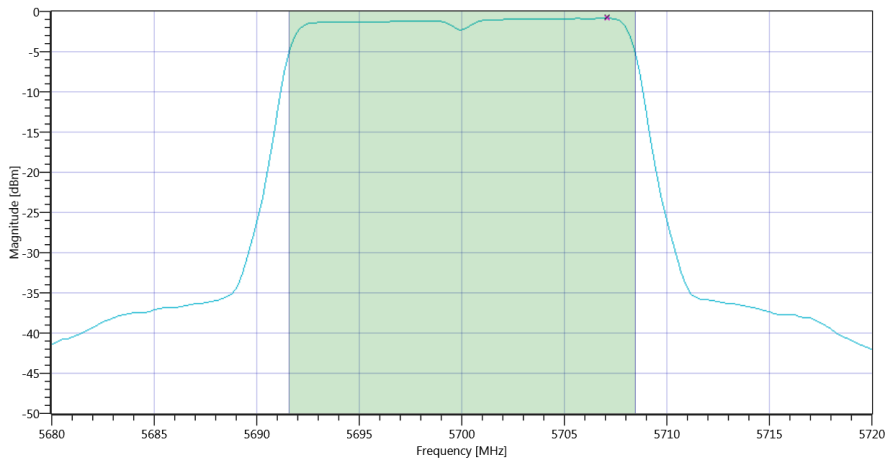
Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C BW\_20112019\_140711.png

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



RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD\_20112019\_140727.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict

20.11.2019 14:07:27 / RT: 37 s

PASS

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

Test References	
TC Start	20.11.2019 14:07:31
System Version	1.0.0.24
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Class / TC Version / TC ID	TC_VM_FCC15407_Bandwidths_V01 Version: 0.0.1   TCID_FCC15407_1
My Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Add. Information	

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

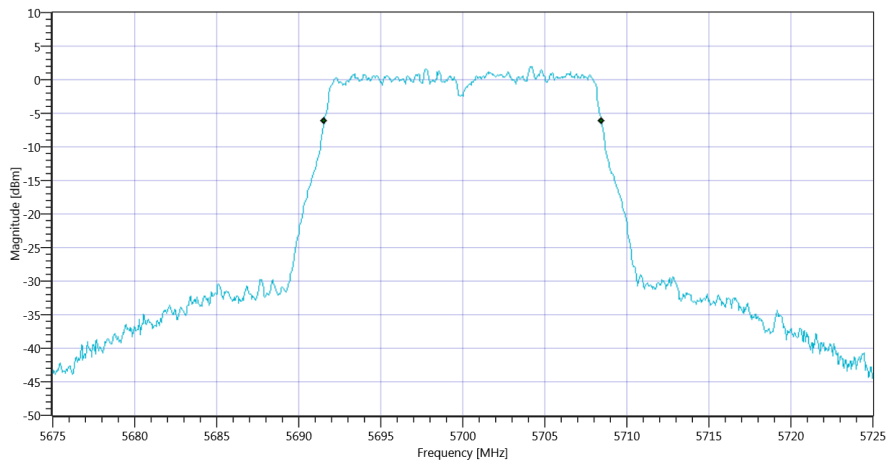
## Test at TX 5700 MHz

### READ SA SETTINGS:

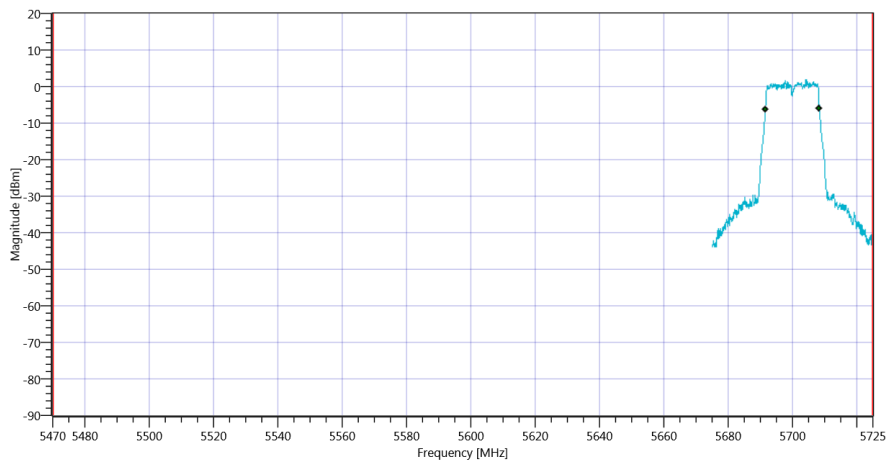
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.94   11.74   20
Start [MHz]   Stop [MHz]	5675.000   5725.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



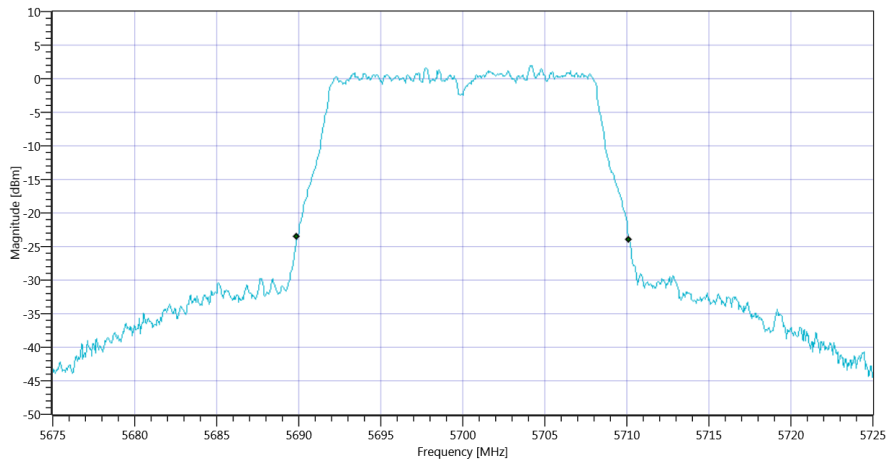
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT\_20112019\_140749.png



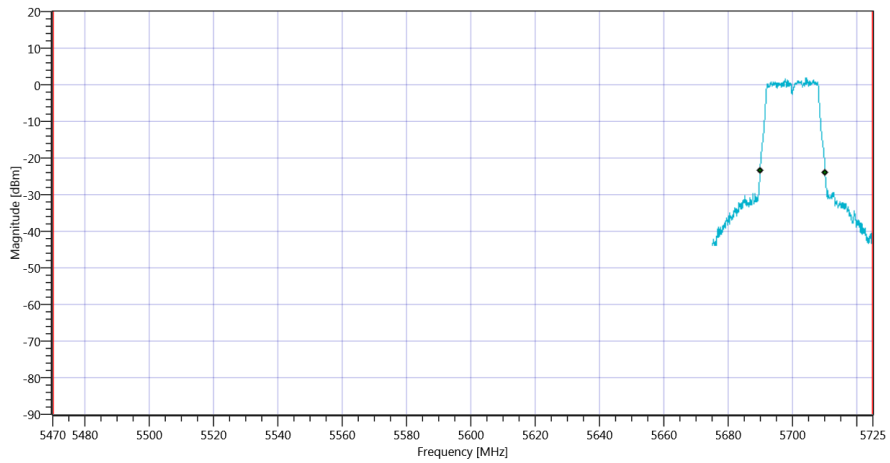
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C\_20112019\_140752.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB\_20112019\_140756.png



Plot\_FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C\_20112019\_140759.png

TEST FINISHED

General Verdict

20.11.2019 14:07:59 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 14:10:49
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

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

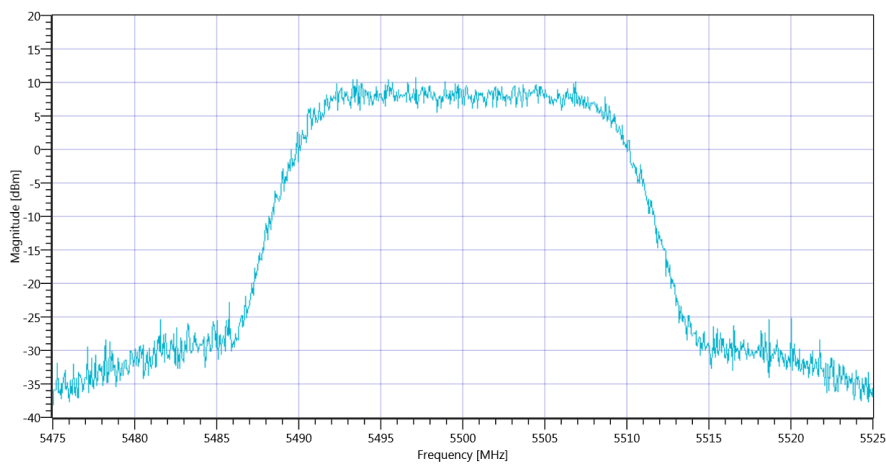
## Test at TX 5500 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141102.png

### TEST FINISHED

General Verdict

20.11.2019 14:11:02 / RT: 13 s

PASS

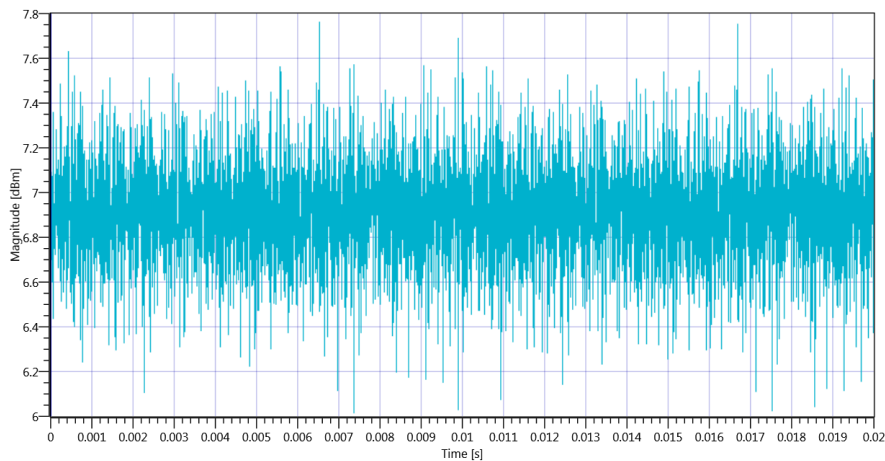
## 14. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

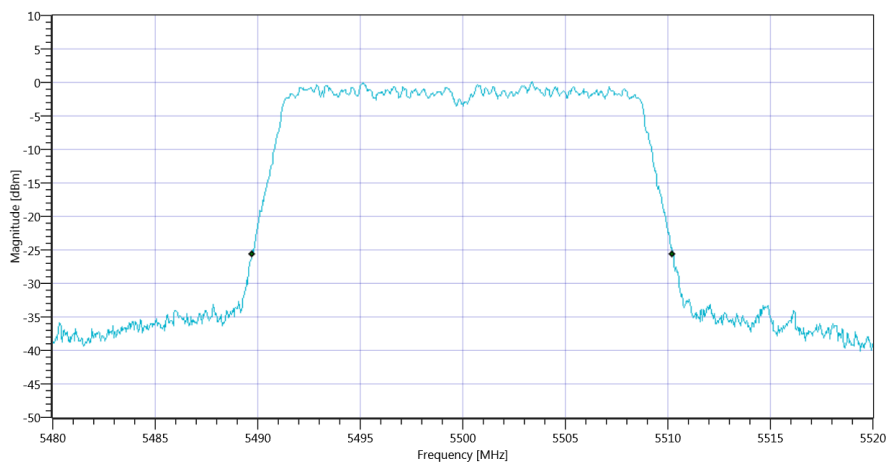
## Test at TX 5500 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5500 MHz - Duty Cycle\_20112019\_141119.png

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

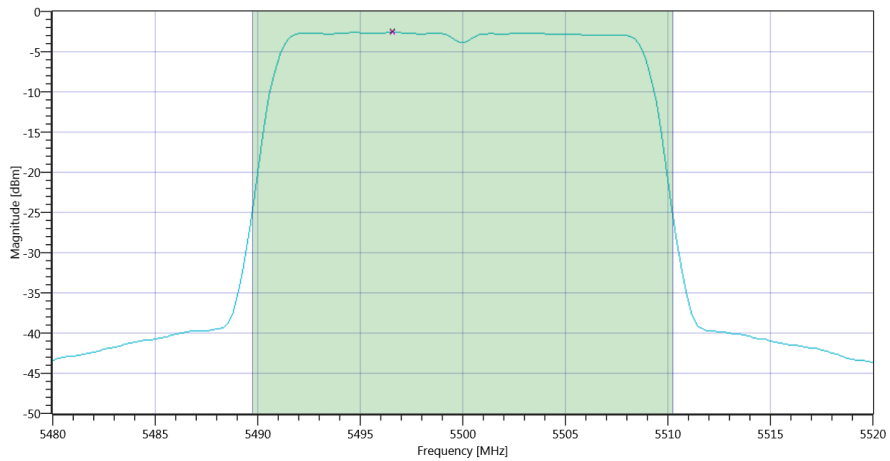


Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_141127.png

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



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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_141142.png

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

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

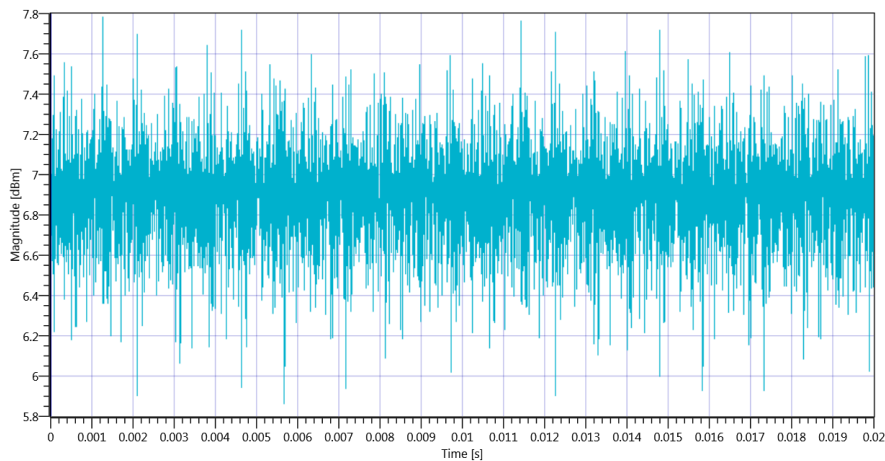
## 15. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

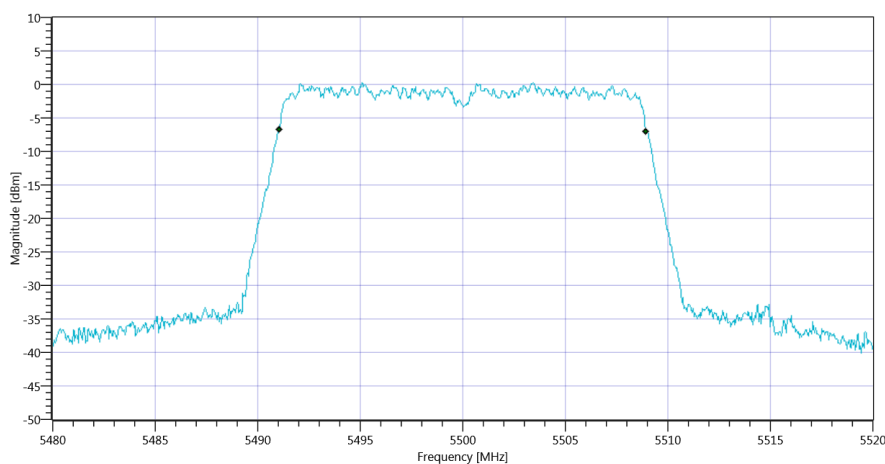
## Test at TX 5500 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5500 MHz - Duty Cycle\_20112019\_141200.png

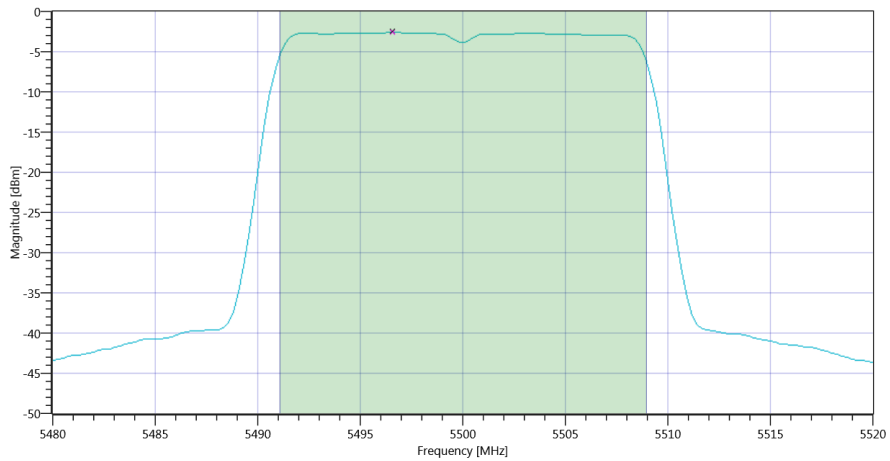
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.902	MHz	Information
T1 99%	---	---	5491.0490	MHz	Information
T2 99%	---	---	5508.9510	MHz	Information



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_141208.png

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

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_141223.png

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

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

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

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

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

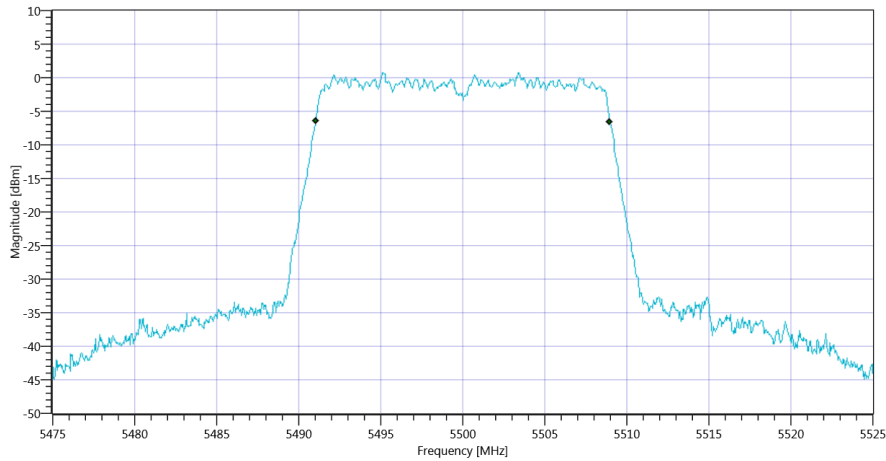
## Test at TX 5500 MHz

### READ SA SETTINGS:

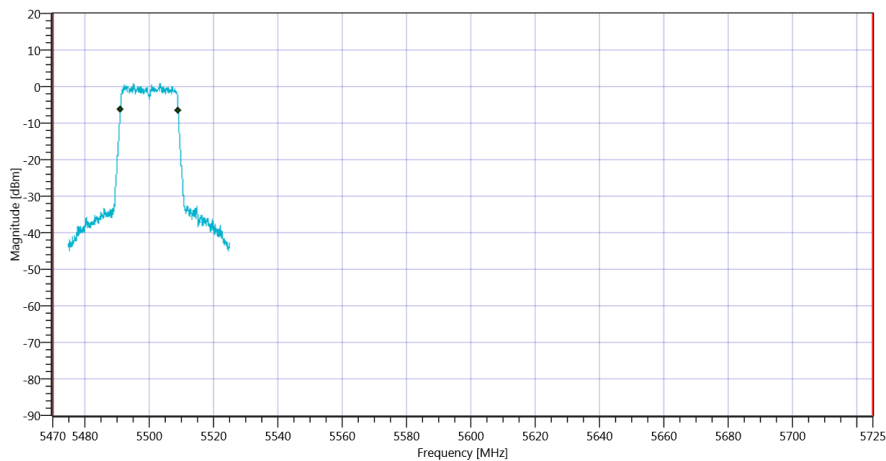
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.86   11.3   20
Start [MHz]   Stop [MHz]	5475.000   5525.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



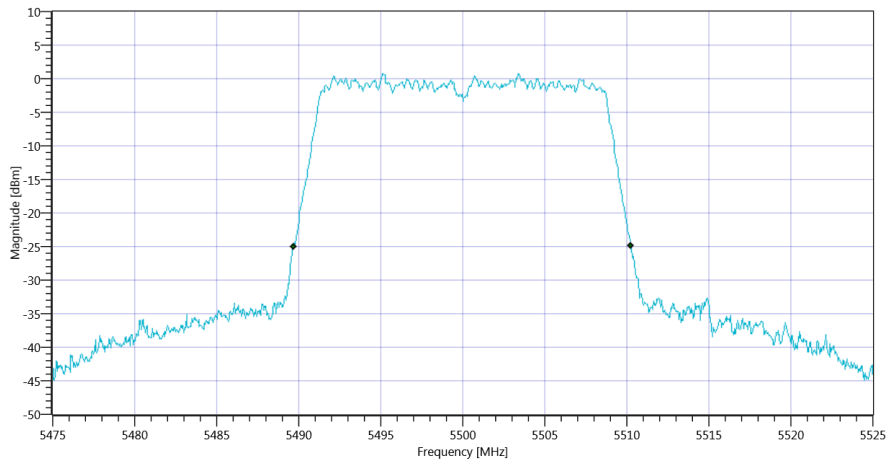
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT\_20112019\_141246.png



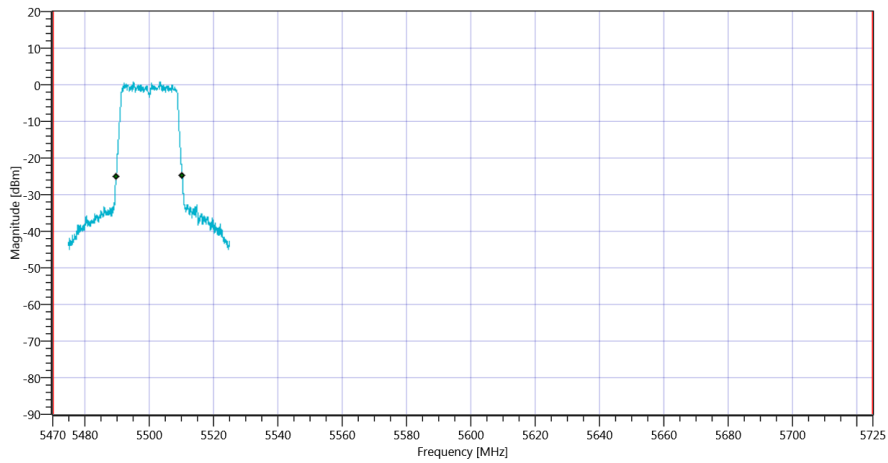
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141249.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB\_20112019\_141252.png



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141255.png

TEST FINISHED

General Verdict

20.11.2019 14:12:56 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 14:13:35
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

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



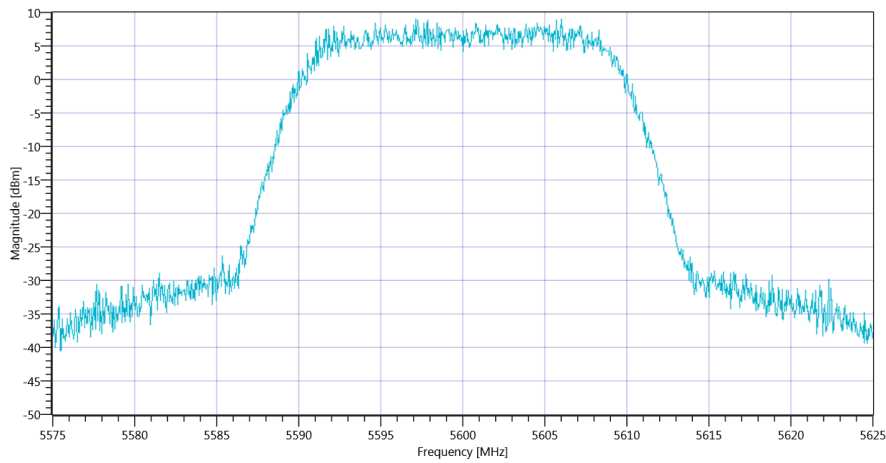
## Test at TX 5600 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141348.png

### TEST FINISHED

General Verdict

20.11.2019 14:13:48 / RT: 13 s

PASS

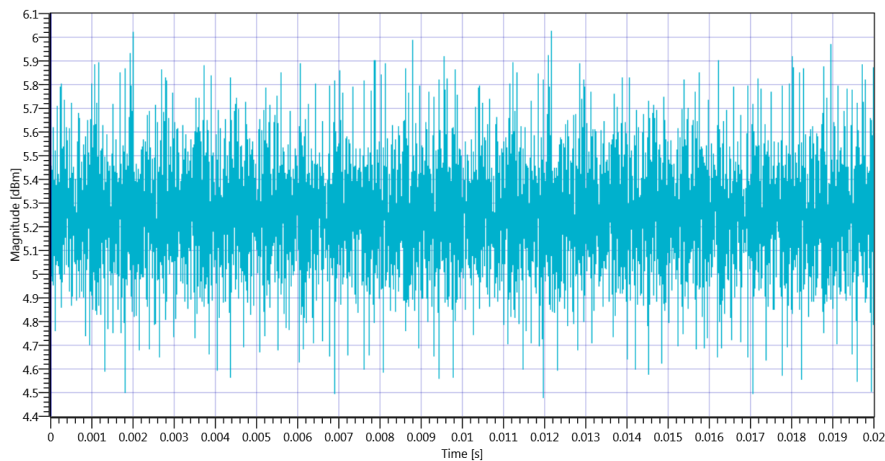
## 18. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

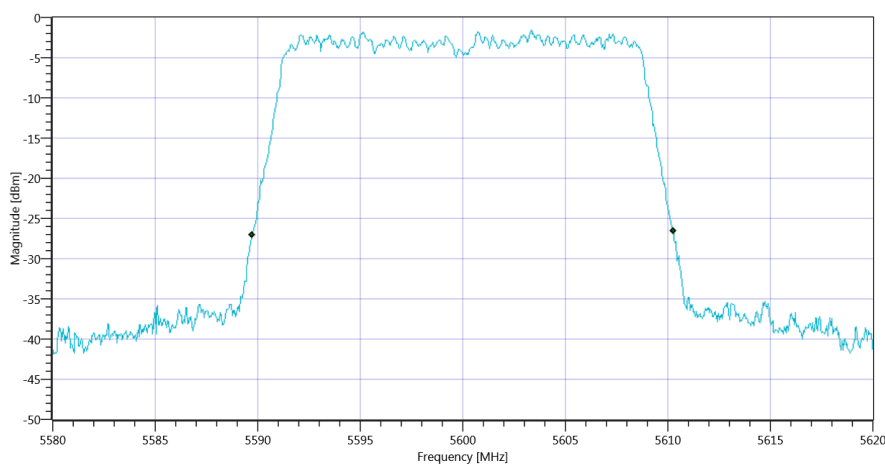
## Test at TX 5600 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5600 MHz - Duty Cycle\_20112019\_141405.png

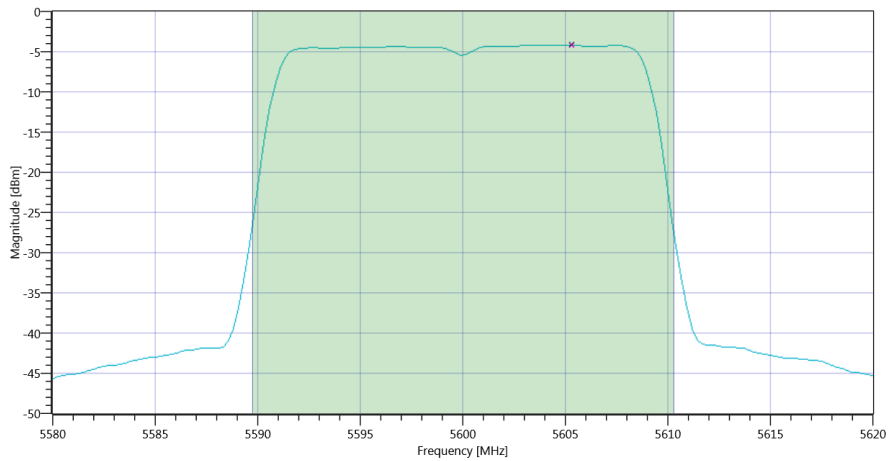
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.56	MHz	Information
T1 26dB	---	---	5589.7200	MHz	Information
T2 26dB	---	---	5610.2800	MHz	Information



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_141413.png

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

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_141429.png

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

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

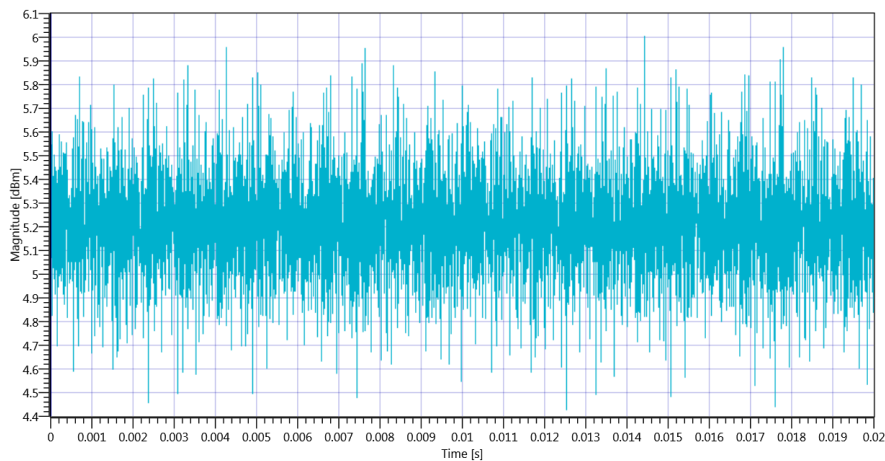
## 19. ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

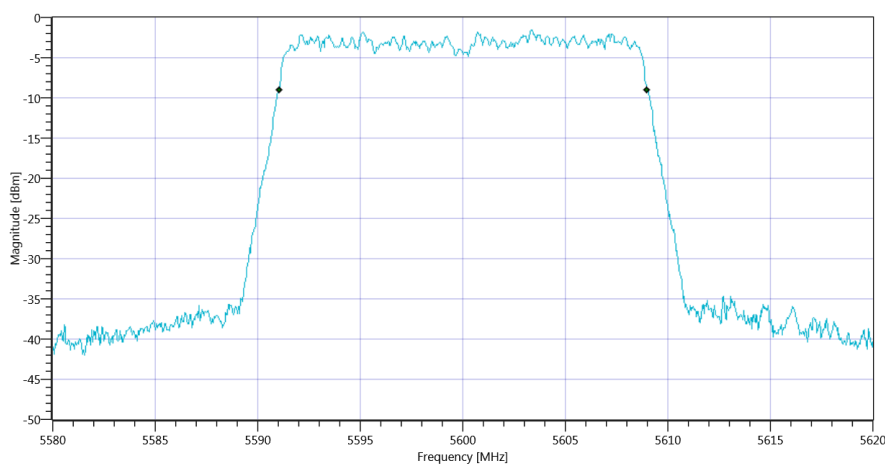
## Test at TX 5600 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5600 MHz - Duty Cycle\_20112019\_141446.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.942	MHz	Information
T1 99%	---	---	5591.0490	MHz	Information
T2 99%	---	---	5608.9910	MHz	Information

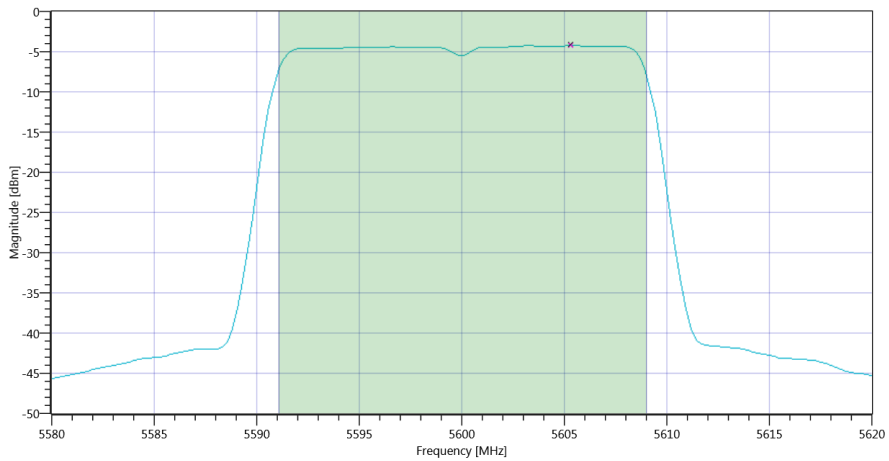


Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_141454.png

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	15.89   11.5   20
Start [MHz]   Stop [MHz]	5580.000   5620.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_141510.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict

20.11.2019 14:15:11 / RT: 37 s

PASS

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

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

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



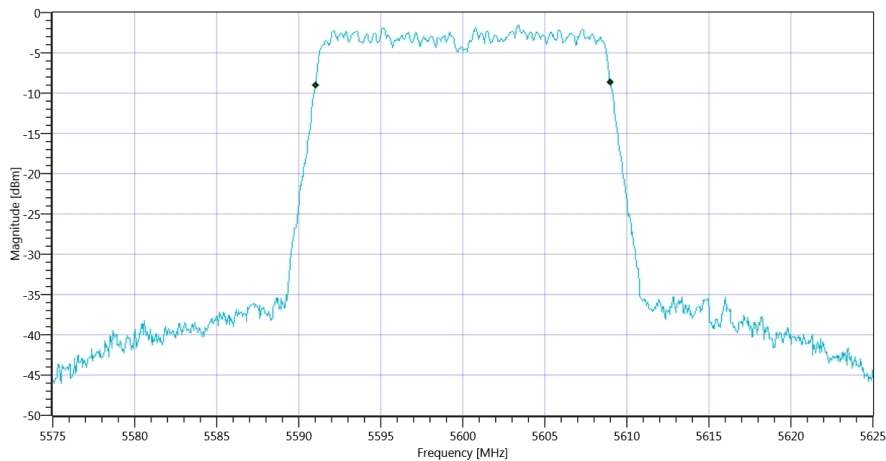
## Test at TX 5600 MHz

### READ SA SETTINGS:

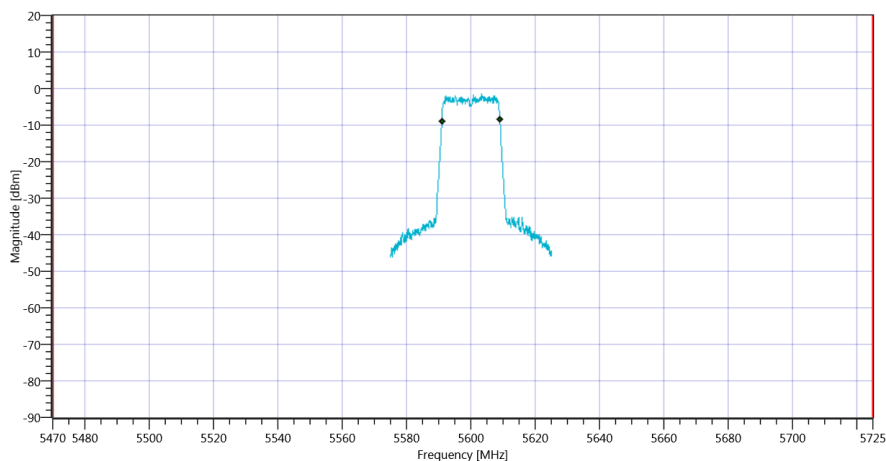
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.75   11.5   20
Start [MHz]   Stop [MHz]	5575.000   5625.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



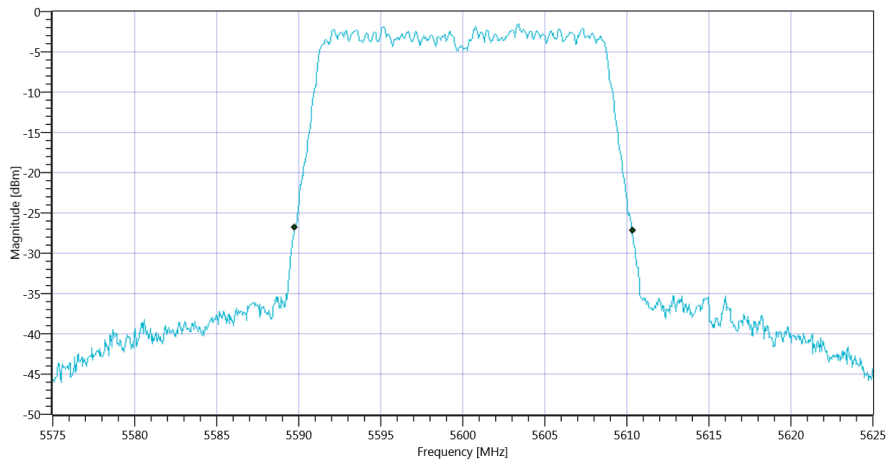
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT\_20112019\_141533.png



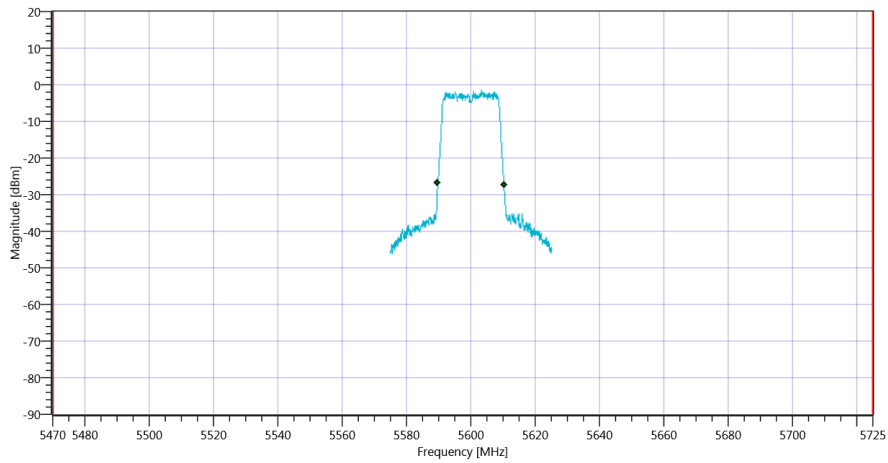
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141536.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB\_20112019\_141539.png



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141542.png

TEST FINISHED

General Verdict

20.11.2019 14:15:42 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 14:19:35
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

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

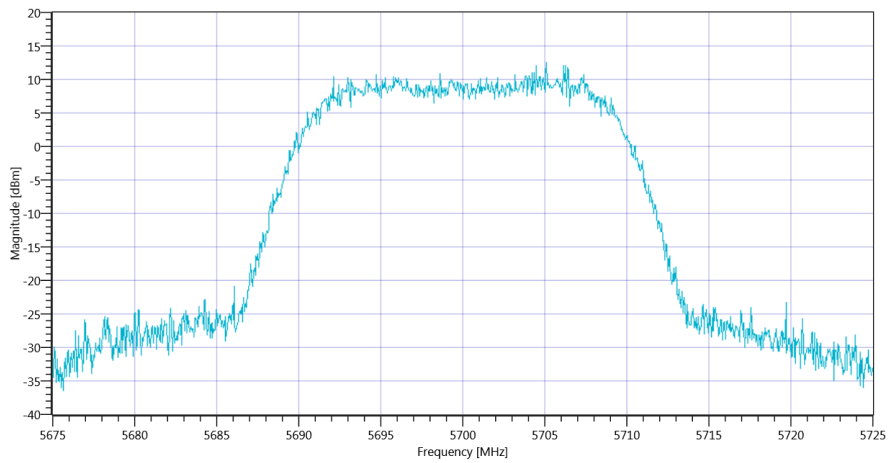
## Test at TX 5700 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_141948.png

### TEST FINISHED

General Verdict

20.11.2019 14:19:48 / RT: 13 s

PASS

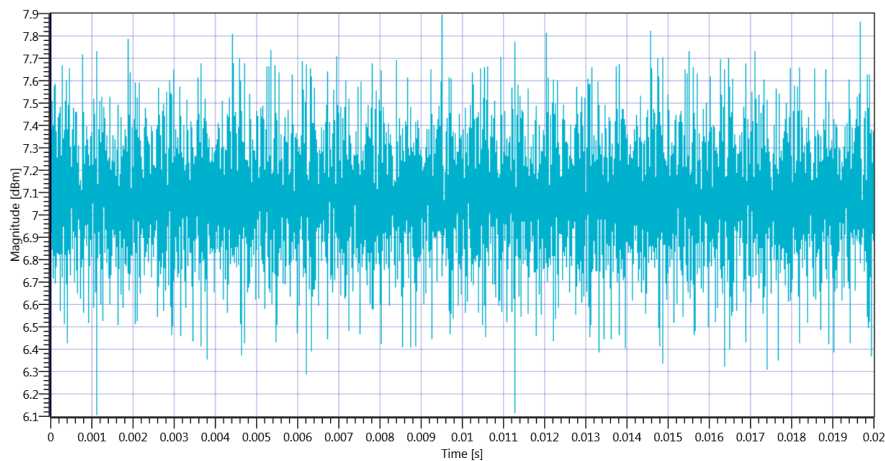
## 22. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

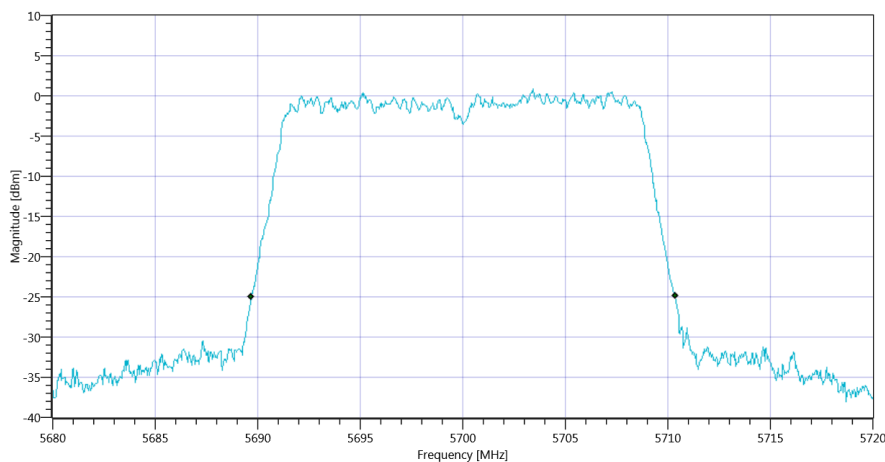
## Test at TX 5700 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5700 MHz - Duty Cycle\_20112019\_142005.png

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

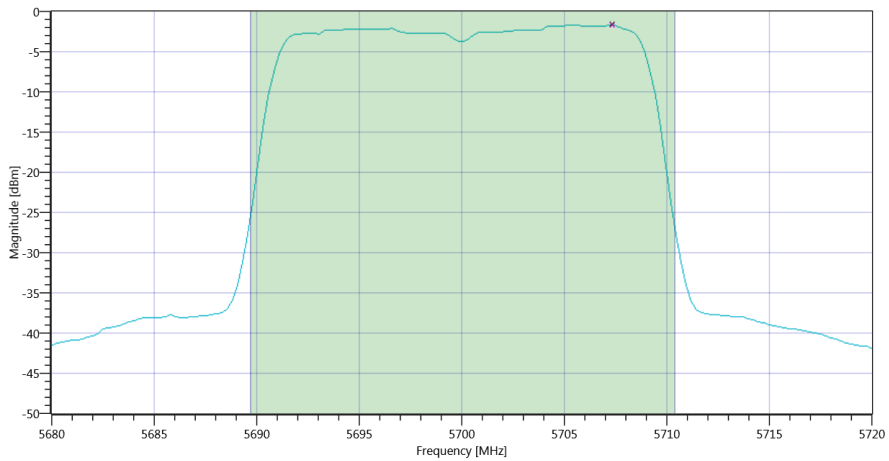


Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_142012.png

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.12   11.74   25
Start [MHz]   Stop [MHz]	5680.000   5720.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_142028.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict

20.11.2019 14:20:29 / RT: 37 s

PASS

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

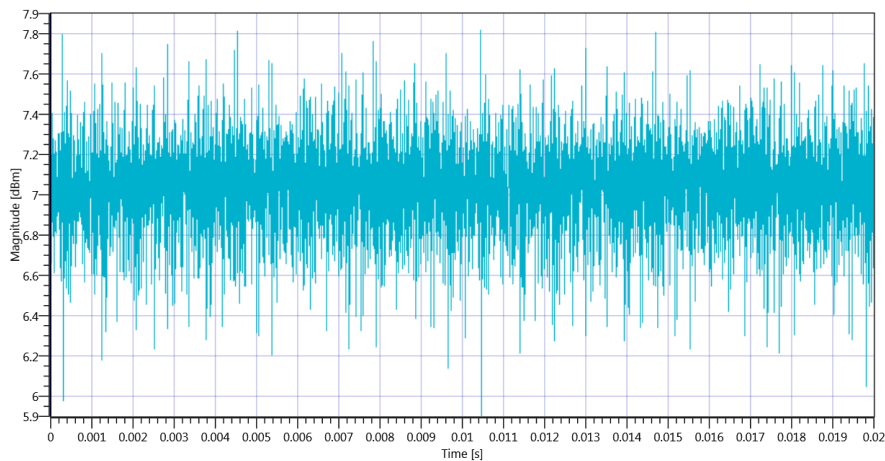
Test References	
TC Start	20.11.2019 14:20:33
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Add. Information	

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



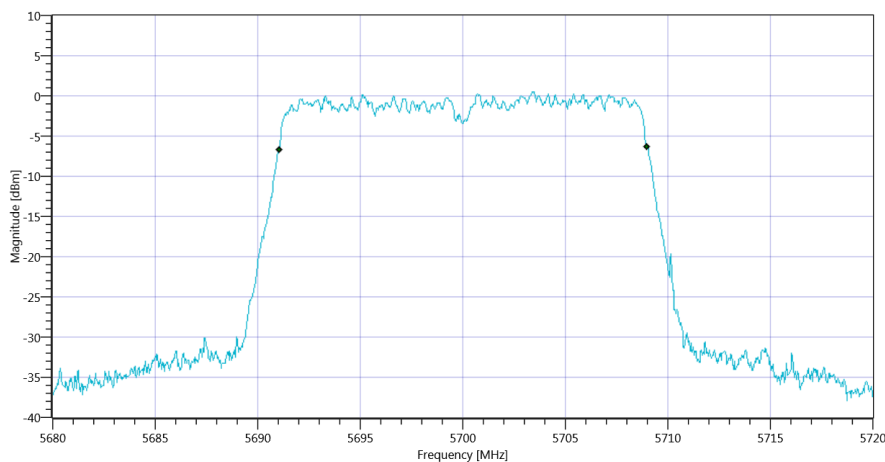
## Test at TX 5700 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C 5700 MHz - Duty Cycle\_20112019\_142046.png

RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.942	MHz	Information
T1 99%	---	---	5691.0490	MHz	Information
T2 99%	---	---	5708.9910	MHz	Information

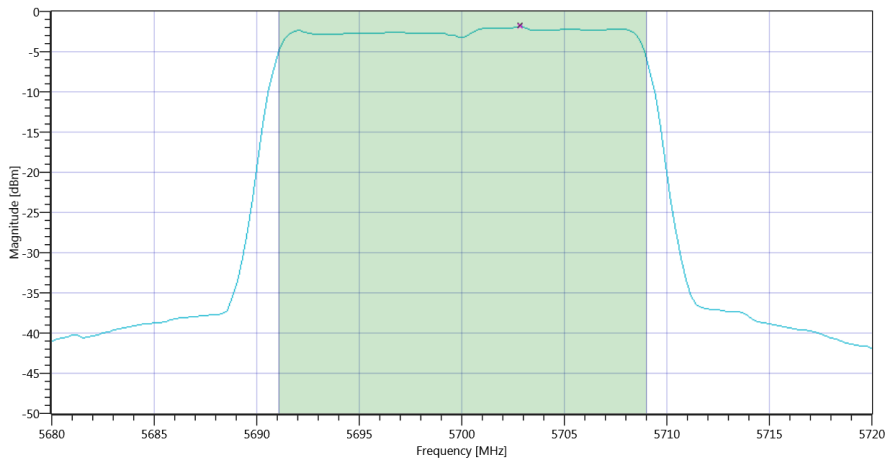


Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C BW\_20112019\_142054.png

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.80   11.74   25
Start [MHz]   Stop [MHz]	5680.000   5720.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD\_20112019\_142109.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict	20.11.2019 14:21:10 / RT: 37 s	PASS
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## 24. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C

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

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

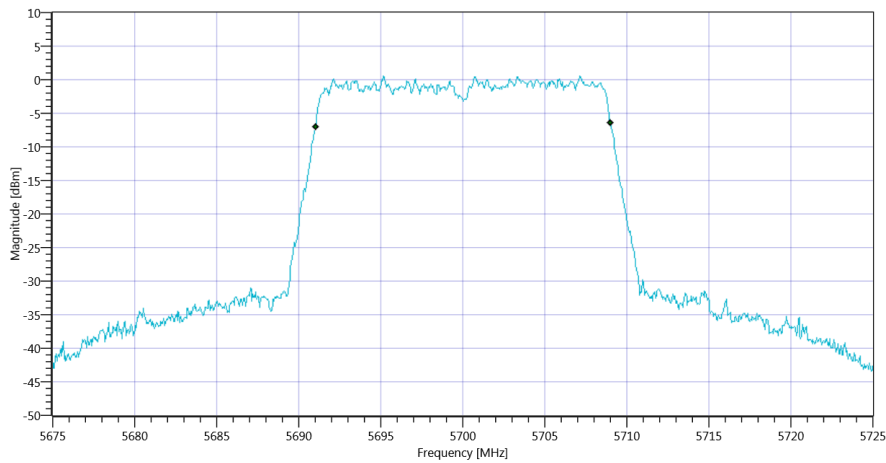
## Test at TX 5700 MHz

### READ SA SETTINGS:

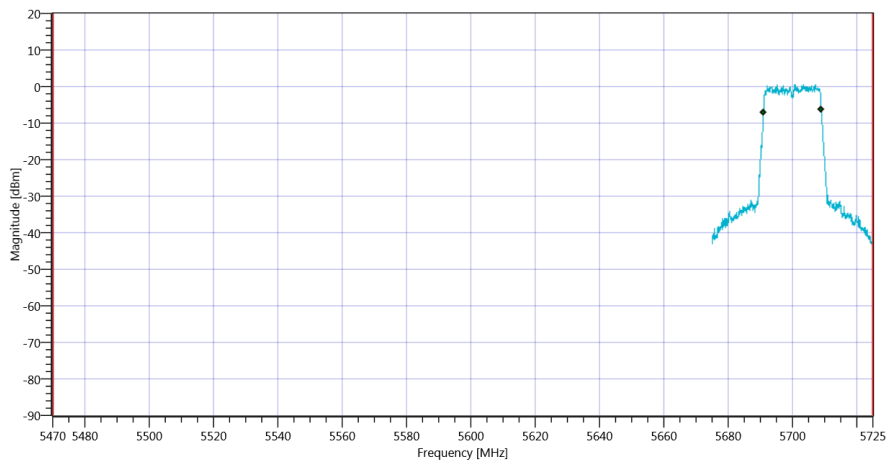
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.84   11.74   20
Start [MHz]   Stop [MHz]	5675.000   5725.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



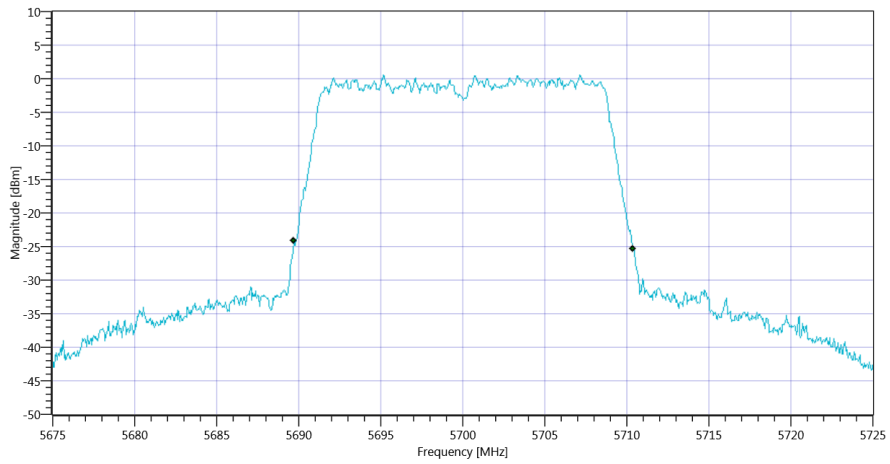
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT\_20112019\_142132.png



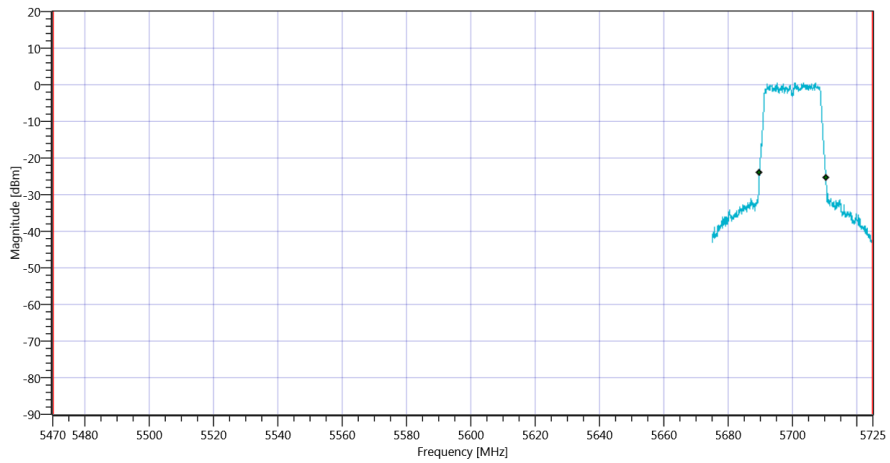
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_142135.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB\_20112019\_142139.png



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT20 mode U-NII-2C\_20112019\_142142.png

TEST FINISHED

General Verdict

20.11.2019 14:21:42 / RT: 27 s

PASS

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

Test References	
TC Start	20.11.2019 14:24:44
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

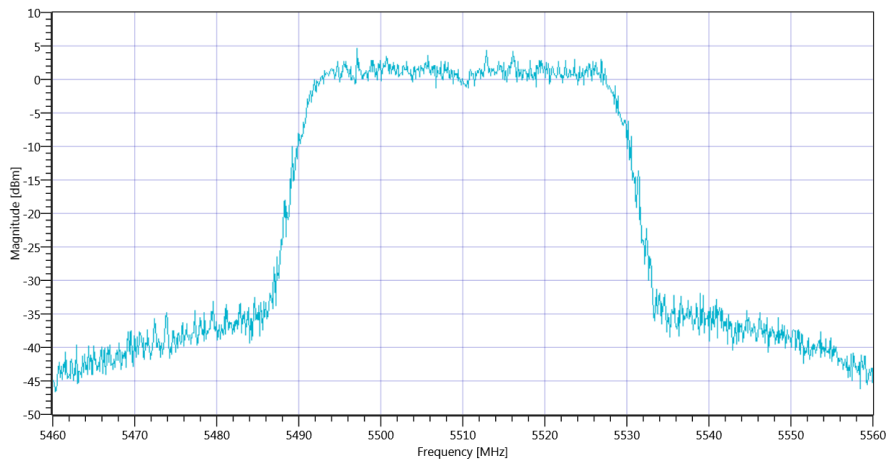
## Test at TX 5510 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_142457.png

### TEST FINISHED

General Verdict	20.11.2019 14:24:57 / RT: 13 s	PASS
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## 26. FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

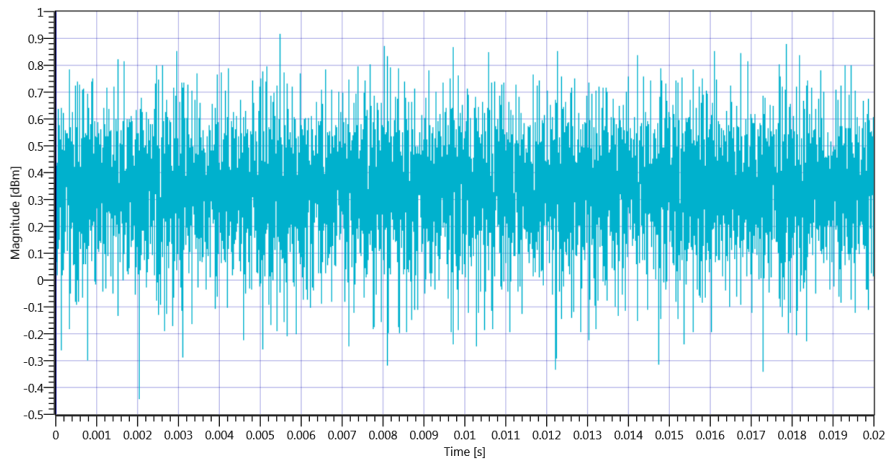
Test References	
TC Start	20.11.2019 14:25:01
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx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

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



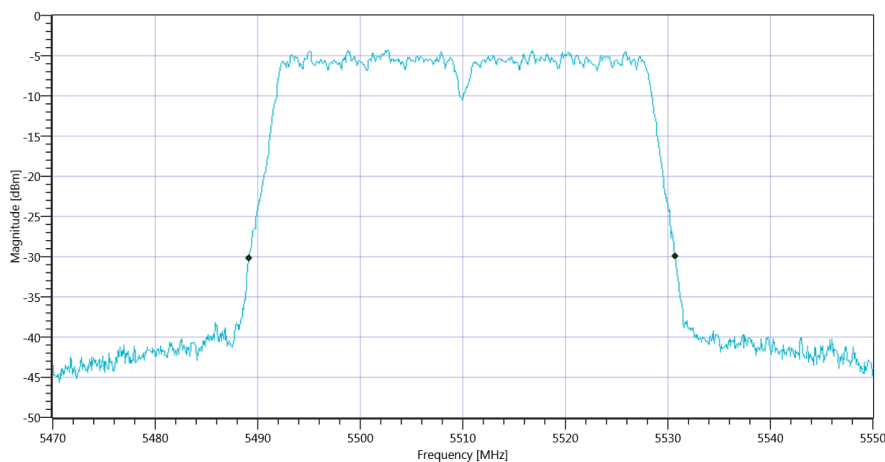
## Test at TX 5510 MHz

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - Duty Cycle\_20112019\_142514.png

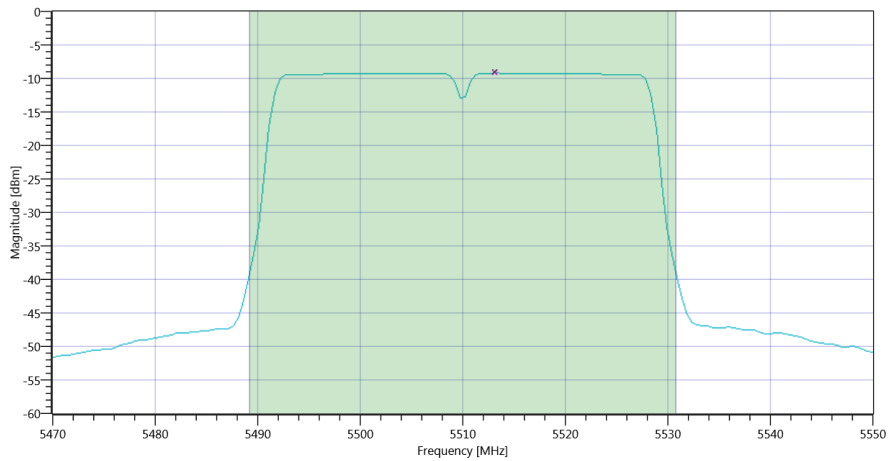
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.6	MHz	Information
T1 26dB	---	---	5489.1200	MHz	Information
T2 26dB	---	---	5530.7200	MHz	Information



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW\_20112019\_142522.png

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

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD\_20112019\_142537.png

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

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

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

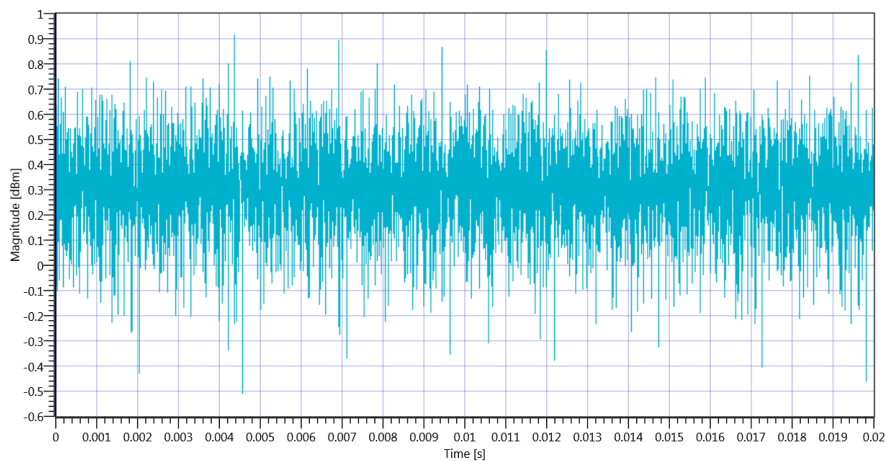
Test References	
TC Start	20.11.2019 14:25:42
System Version	1.0.0.24
Test Specification	ISED
Test Method	
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

## Test at TX 5510 MHz

RESULT: Duty Cycle evaluation

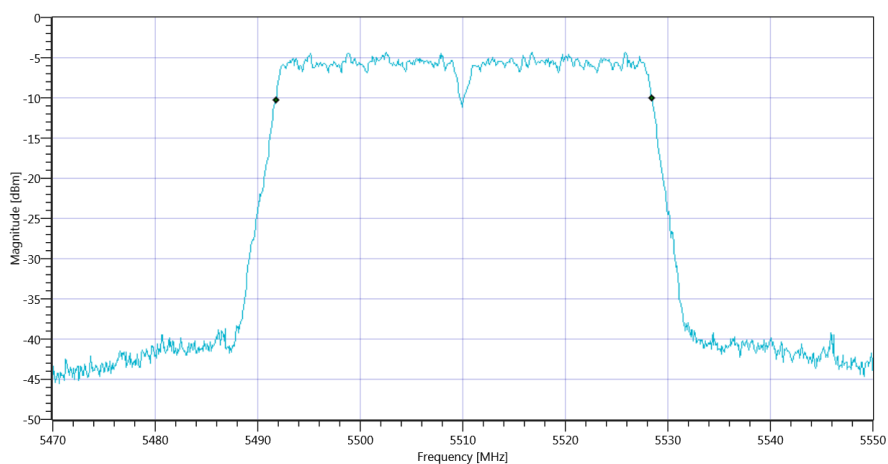
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - Duty Cycle\_20112019\_142555.png

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%	---	---	5491.7782	MHz	Information
T2 99%	---	---	5528.4615	MHz	Information



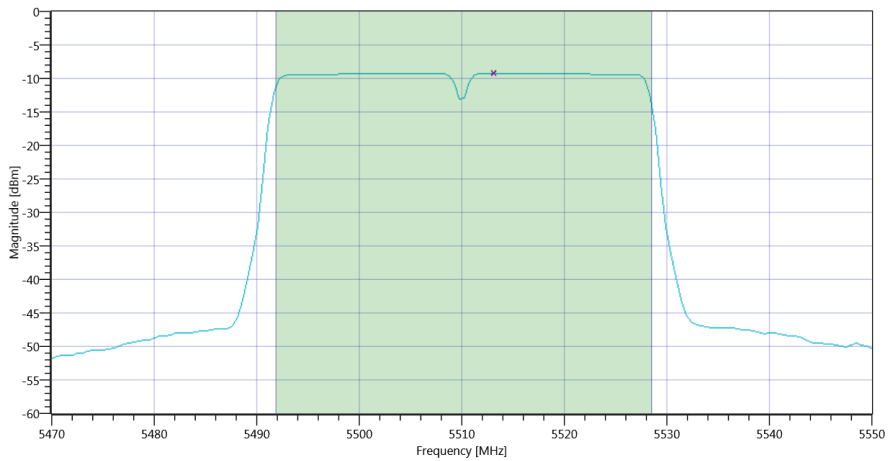
Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW\_20112019\_142603.png

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.98   11.32   15
Start [MHz]   Stop [MHz]	5470.000   5550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD\_20112019\_142619.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict	20.11.2019 14:26:20 / RT: 37 s	PASS
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## 28. FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C

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

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

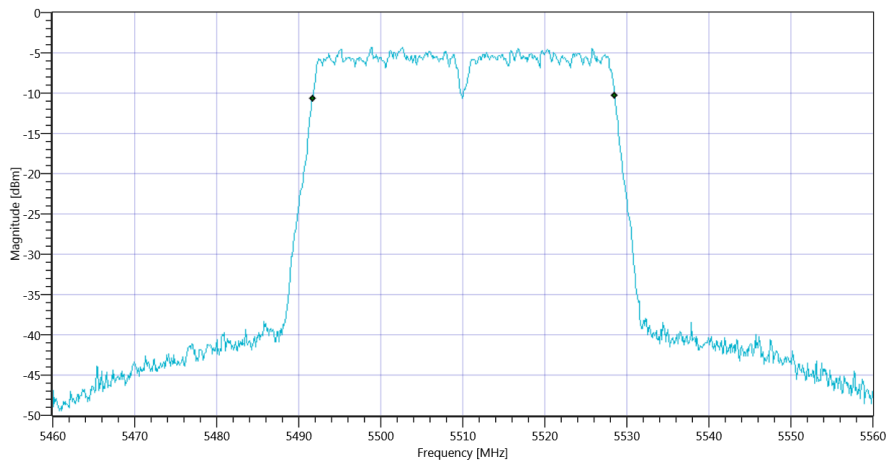
## Test at TX 5510 MHz

### READ SA SETTINGS:

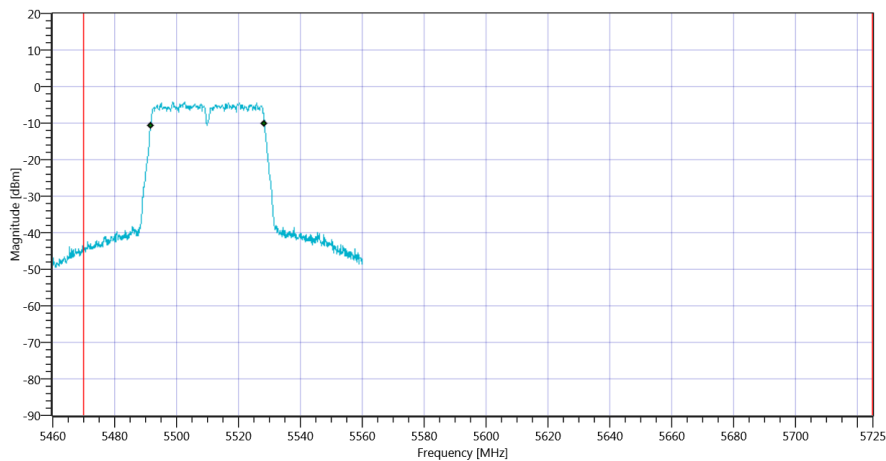
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.68   11.32   15
Start [MHz]   Stop [MHz]	5460.000   5560.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



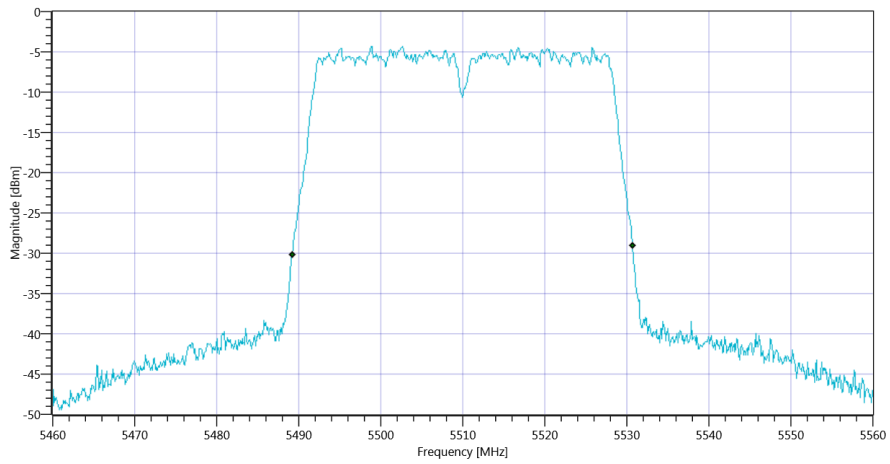
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT\_20112019\_142642.png



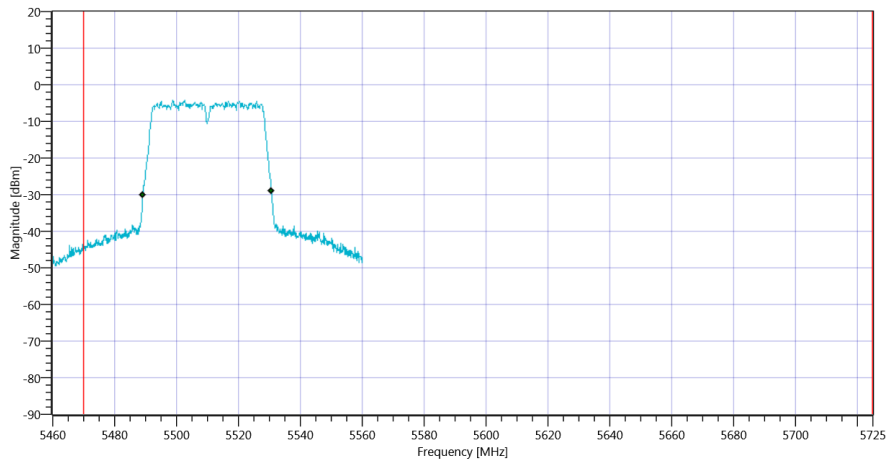
Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_142645.png

### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB\_20112019\_142649.png



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_142652.png

TEST FINISHED

General Verdict

20.11.2019 14:26:52 / RT: 28 s

PASS



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

Test References	
TC Start	20.11.2019 14:27:37
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

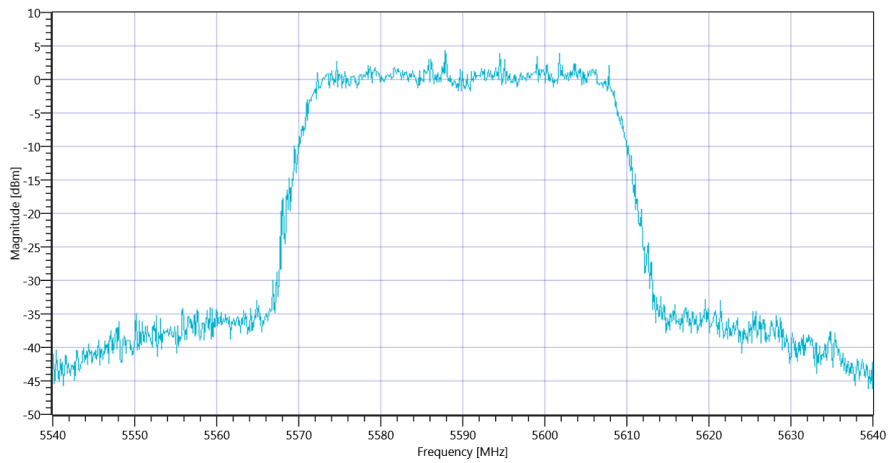
## Test at TX 5590 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_142750.png

### TEST FINISHED

General Verdict

20.11.2019 14:27:50 / RT: 13 s

PASS

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

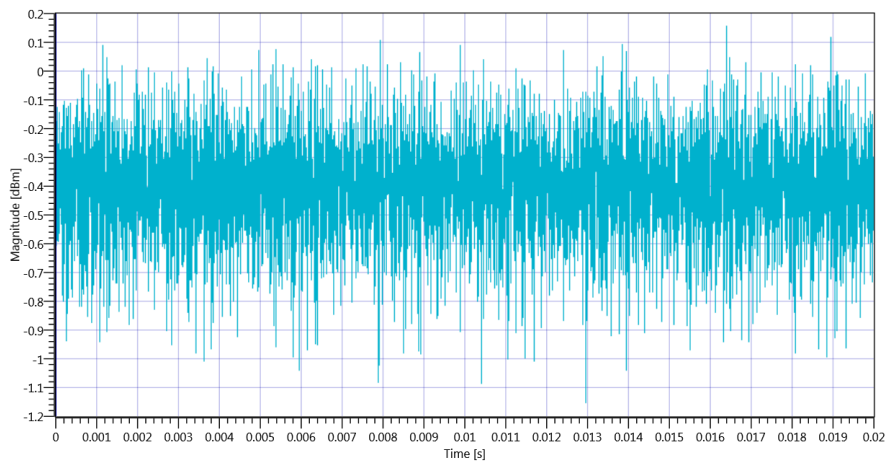
Test References	
TC Start	20.11.2019 14:27:54
System Version	1.0.0.24
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
Class / TC Version / TC ID	TC_VM_FCC15407_Max_Output_Power_and_PSD_V01 Version: 0.0.1   TCID_FCC15407_3
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx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

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

## Test at TX 5590 MHz

RESULT: Duty Cycle evaluation

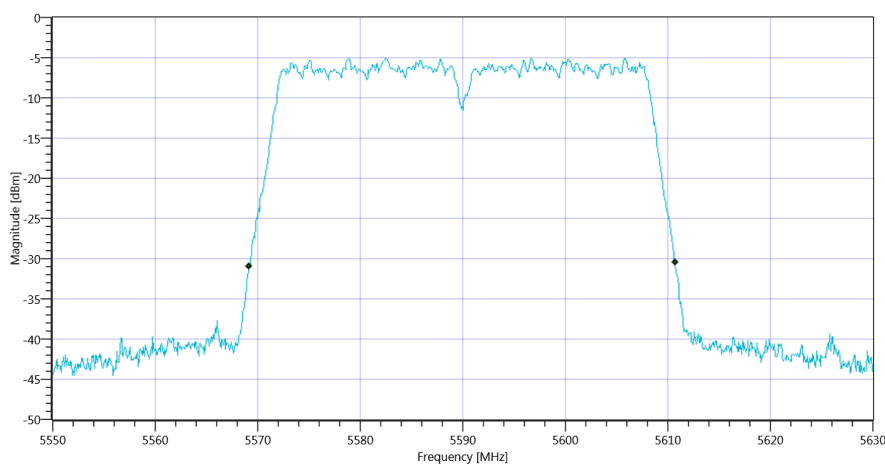
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	Information
Duty Cycle max	---	---	0	dB	Information
Duty Cycle (Burst Ratio) min	---	---	1	---	Information
Duty Cycle min	---	---	0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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - Duty Cycle\_20112019\_142807.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



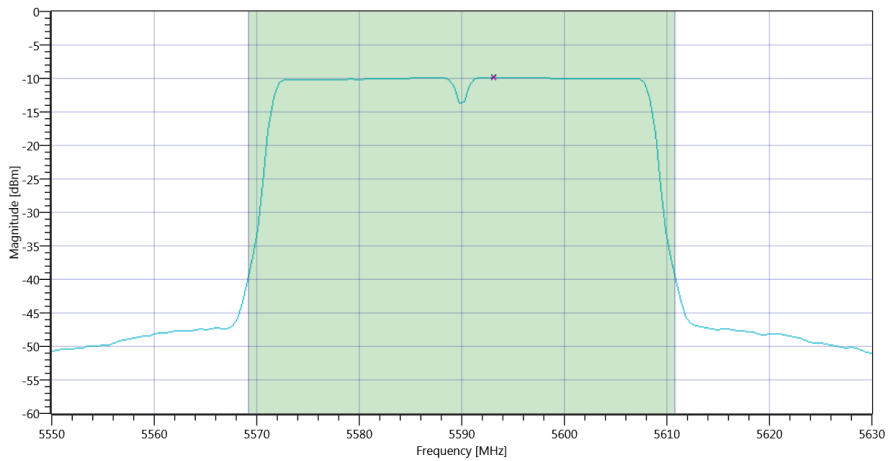
Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW\_20112019\_142815.png

READ SA SETTINGS:

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

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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



Plot\_FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD\_20112019\_142830.png

RESULT: TC\_VM\_FCC15407\_Max\_Output\_Power\_and\_PSD\_V01

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

TEST FINISHED

General Verdict

20.11.2019 14:28:31 / RT: 37 s

PASS

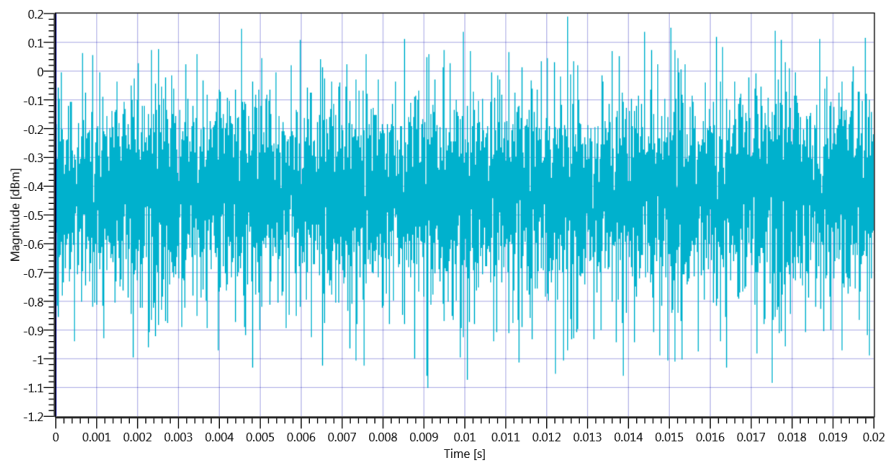
## 31. ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C

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

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

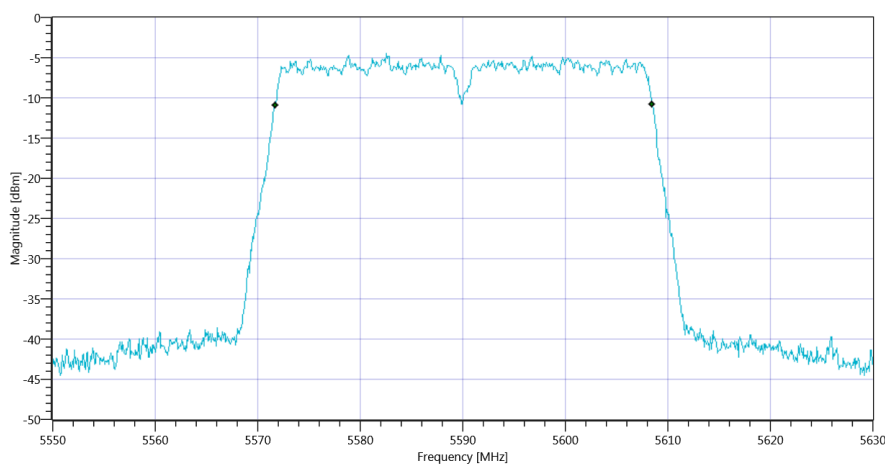
## Test at TX 5590 MHz

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - Duty Cycle\_20112019\_142849.png

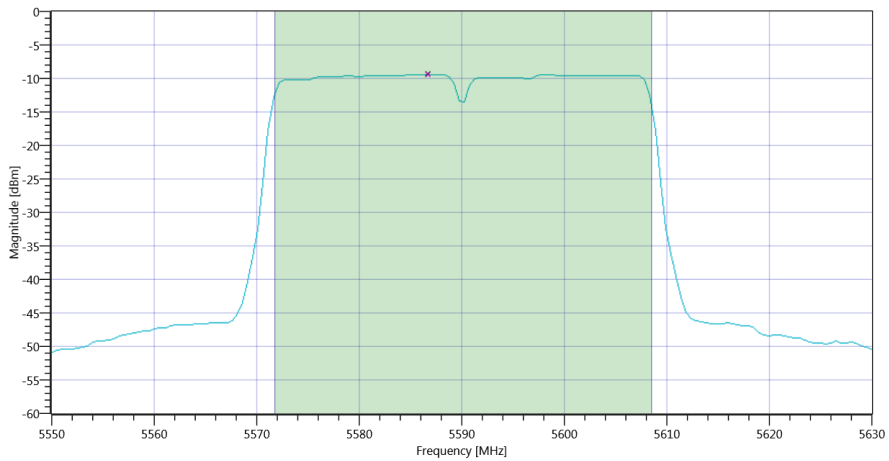
RESULT: TC_VM_FCC15407_Max_Output_Power_and_PSD_V01					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.763	MHz	Information
T1 99%	---	---	5571.6983	MHz	Information
T2 99%	---	---	5608.4615	MHz	Information



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C BW\_20112019\_142856.png

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.23   11.49   15
Start [MHz]   Stop [MHz]	5550.000   5630.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	10700   1   160   SWE

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



Plot\_ISED Max Output Power and PSD ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD\_20112019\_142912.png

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

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



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

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

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

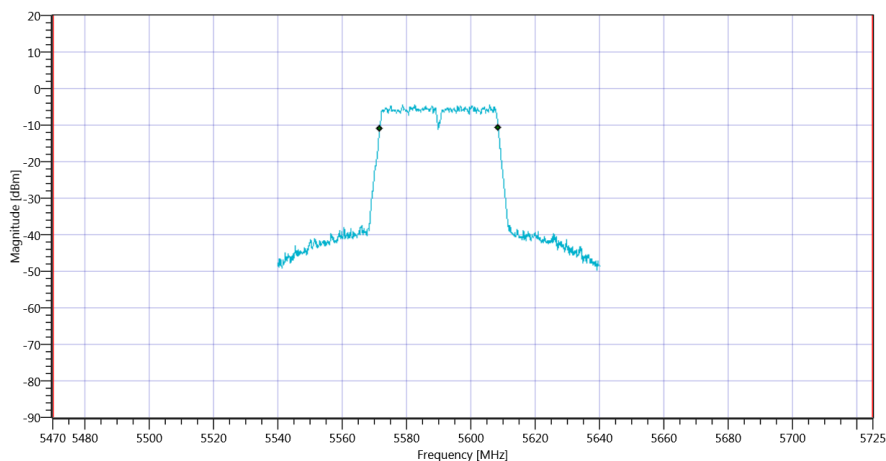
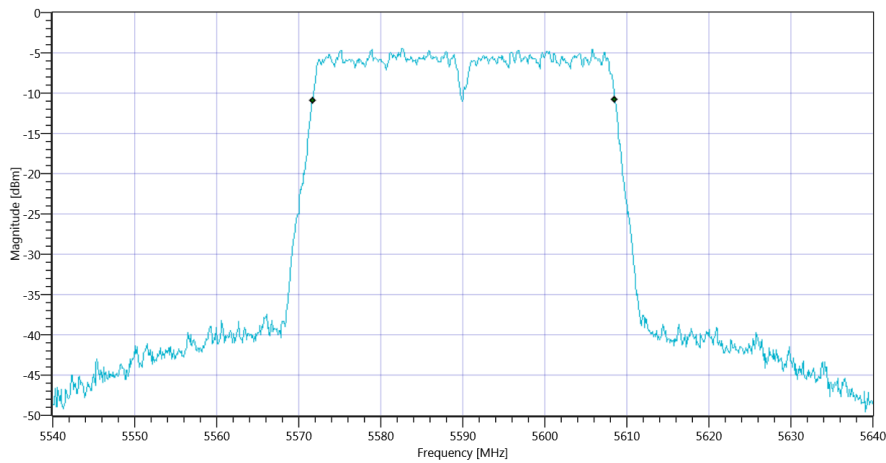
## Test at TX 5590 MHz

### READ SA SETTINGS:

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

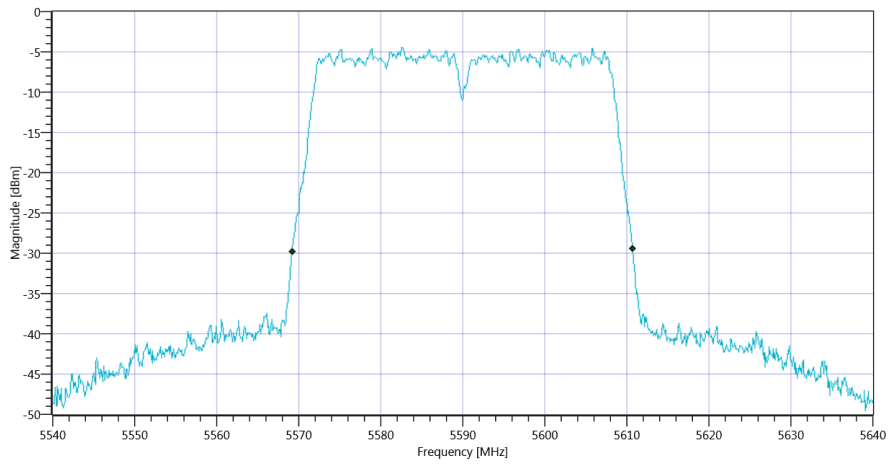
### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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

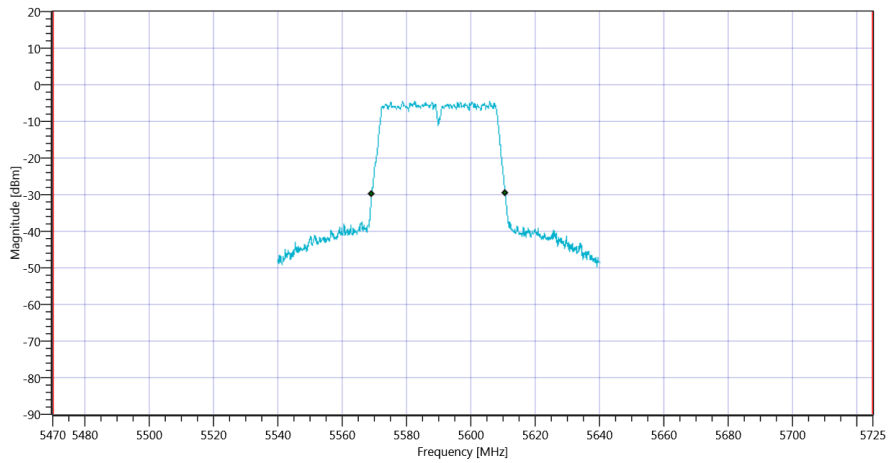


### RESULT: TC\_VM\_FCC15407\_Bandwidths\_V01

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



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB\_20112019\_142942.png



Plot\_FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_142945.png

TEST FINISHED

General Verdict

20.11.2019 14:29:45 / RT: 28 s

PASS

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

Test References	
TC Start	20.11.2019 14:40:50
System Version	1.0.0.24
Test Specification	--
Test Method	
Class / TC Version / TC ID	TC_VM_Common5Gx_PeakOP_3MHz_3MHz_V01 Version: 0.0.1   TCID_FCC15407_5
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-2C
Add. Information	

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

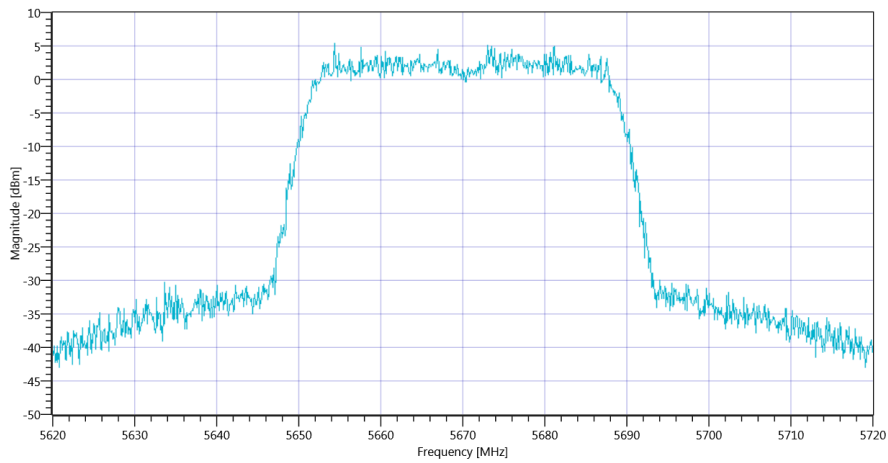
## Test at TX 5670 MHz

### READ SA SETTINGS:

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

### RESULT: TC\_VM\_Common5Gx\_PeakOP\_3MHz\_3MHz\_V01

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



Plot\_Peak OP 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C\_20112019\_144103.png

### TEST FINISHED

General Verdict

20.11.2019 14:41:03 / RT: 13 s

PASS

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

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

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