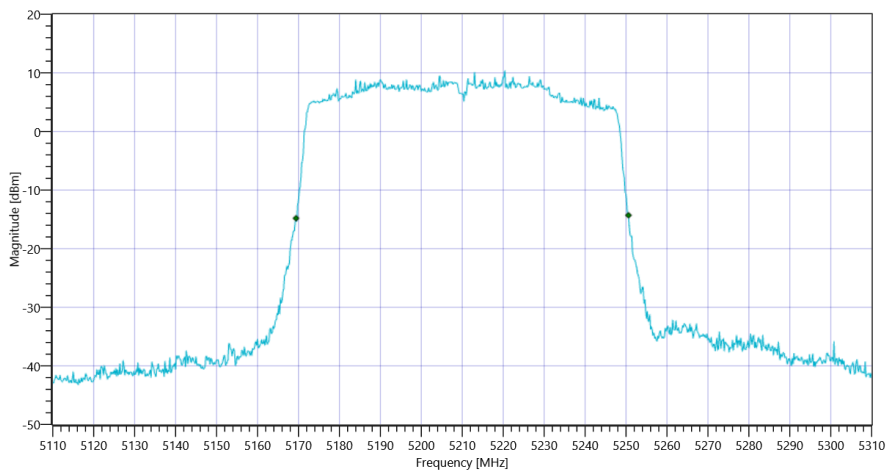


FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1

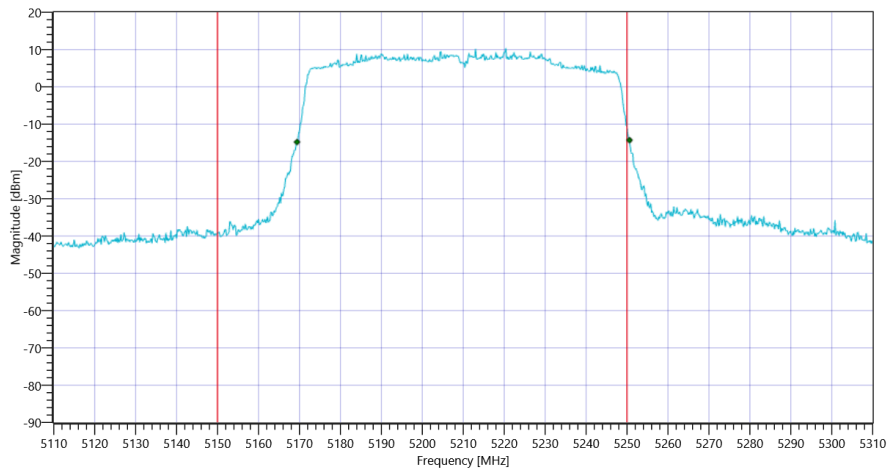
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	81.2	MHz	INFO
T1 26dB	5150.000000	---	5169.4000	MHz	PASS
T2 26dB	---	5250.000000	5250.6000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1

General verdict

PASS

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

Test References	
TC Start	30.03.2022 03:10:28
Ambit Temp [°C]   Humidity [rel%]	25.3   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5210 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.54	dBm	INFO
Ref. Frequency	---	---	5197.210	MHz	INFO

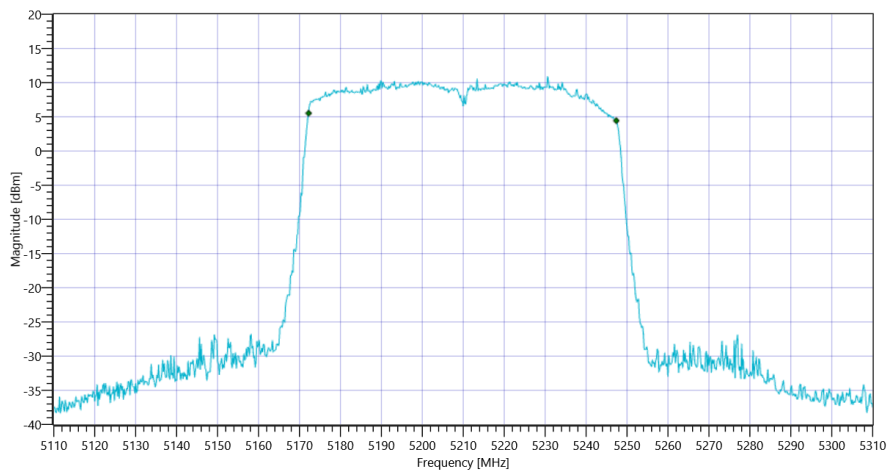
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.54   17.09   20
Start [MHz]   Stop [MHz]	5110.000   5310.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

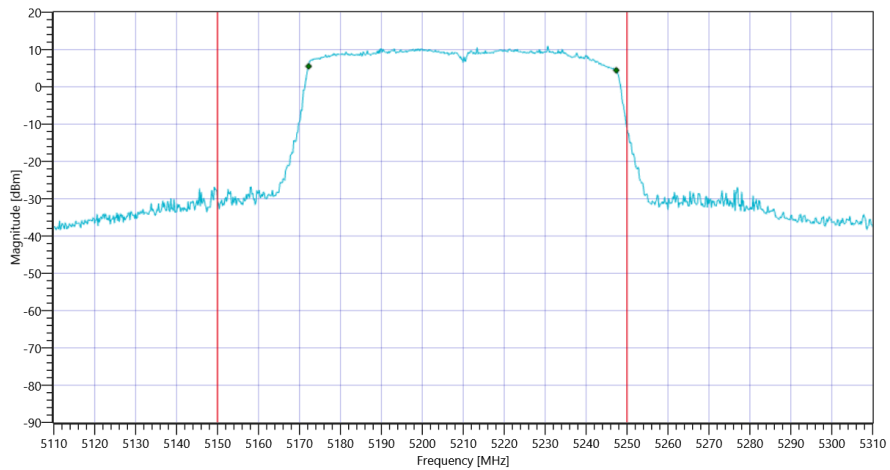
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	75.125	MHz	INFO
T1 99%	5150.000000	---	5172.2378	MHz	PASS
T2 99%	---	5250.000000	5247.3626	MHz	PASS

### Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 99PCT

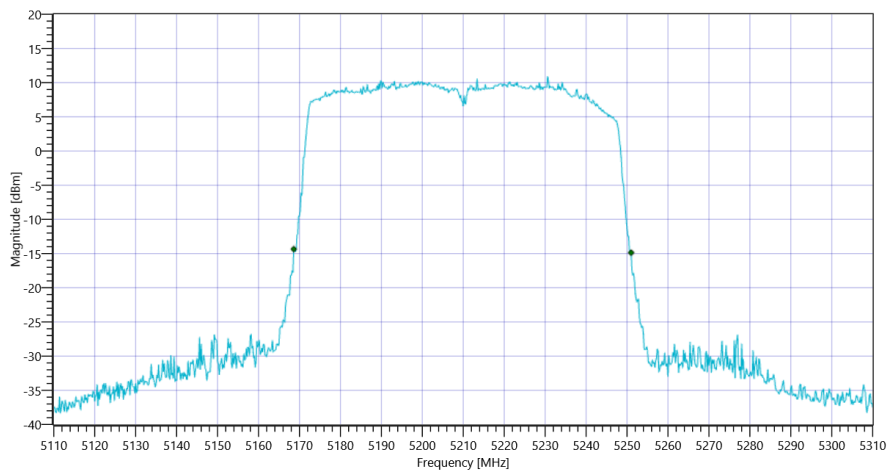
### Plot: Bandwidth within Band



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

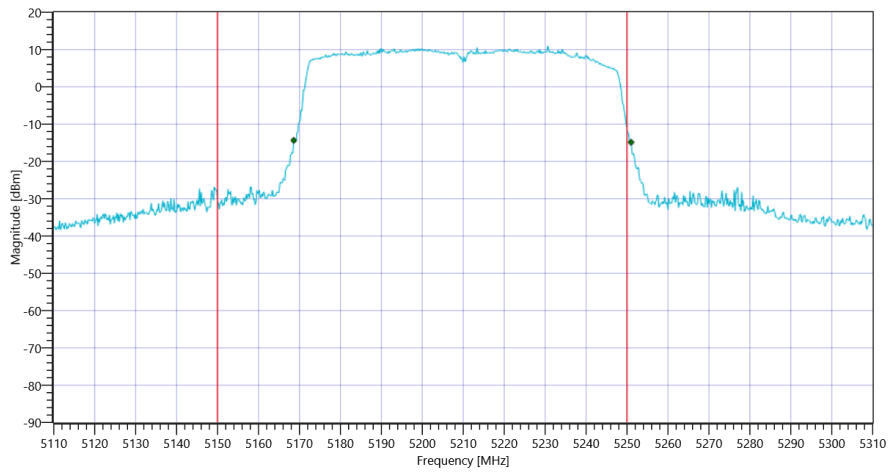
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	82.4	MHz	INFO
T1 26dB	5150.000000	---	5168.6000	MHz	PASS
T2 26dB	---	5250.000000	5251.0000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-1

General verdict

PASS

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

Test References	
TC Start	30.03.2022 04:38:49
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5775 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	12.89	dBm	INFO
Ref. Frequency	---	---	5782.790	MHz	INFO

## Evaluation max. Duty Cycle

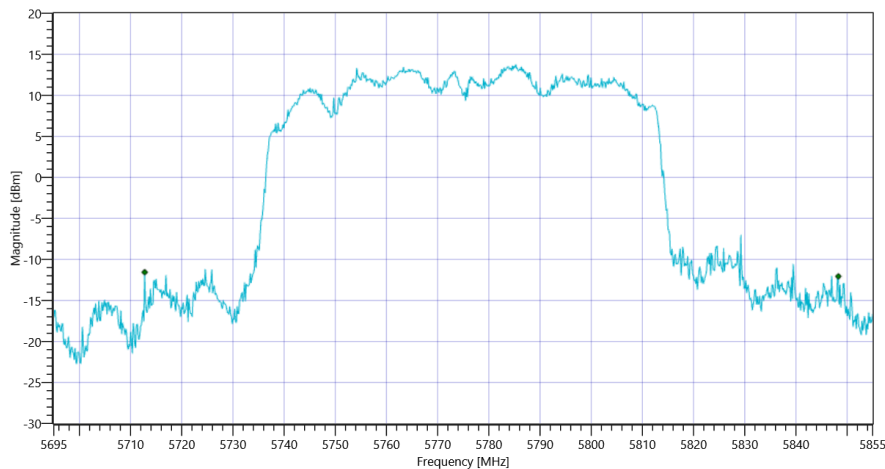
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	135.52	MHz	INFO
T1 26dB	---	---	5712.7600	MHz	INFO
T2 26dB	---	---	5848.2800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	24.89   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

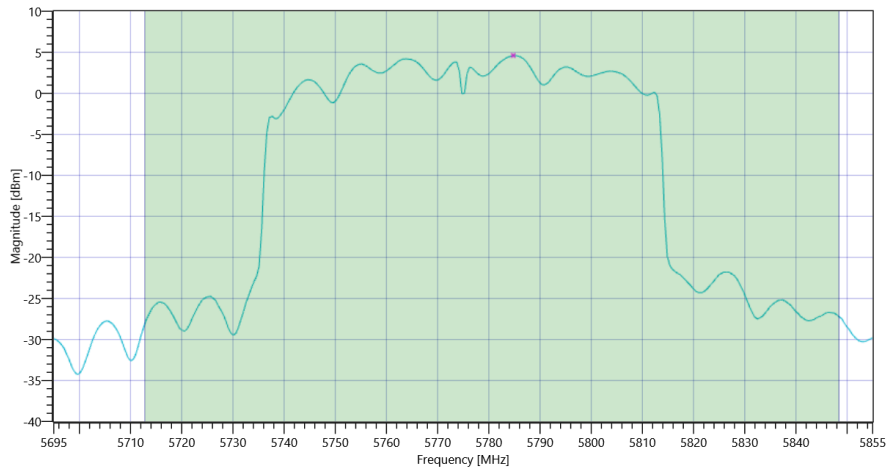
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	20.86	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					



**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	20.86	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	32.32	20.86	dBm	not applicable



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

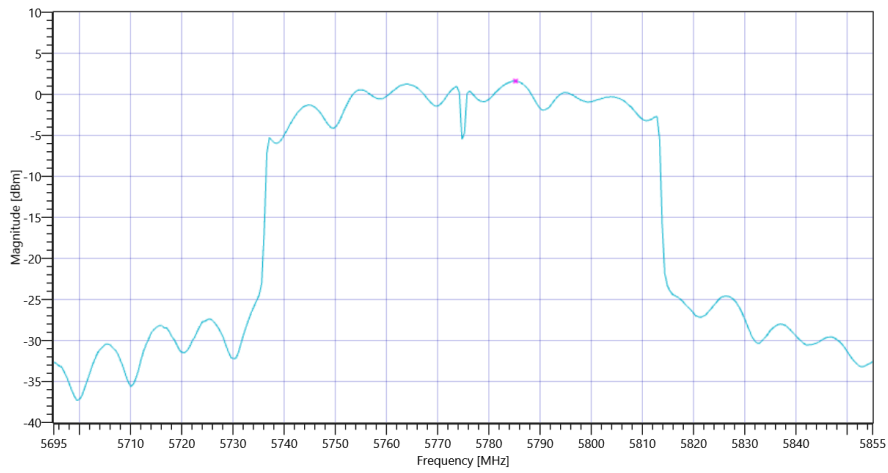
**Power Spectral Density U-NII-3**

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	24.89   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.61	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	1.61	dBm/0.5MHz	PASS



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

General verdict

PASS

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

Test References	
TC Start	30.03.2022 04:46:08
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5775 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.03	dBm	INFO
Ref. Frequency	---	---	5754.020	MHz	INFO

## Evaluation max. Duty Cycle

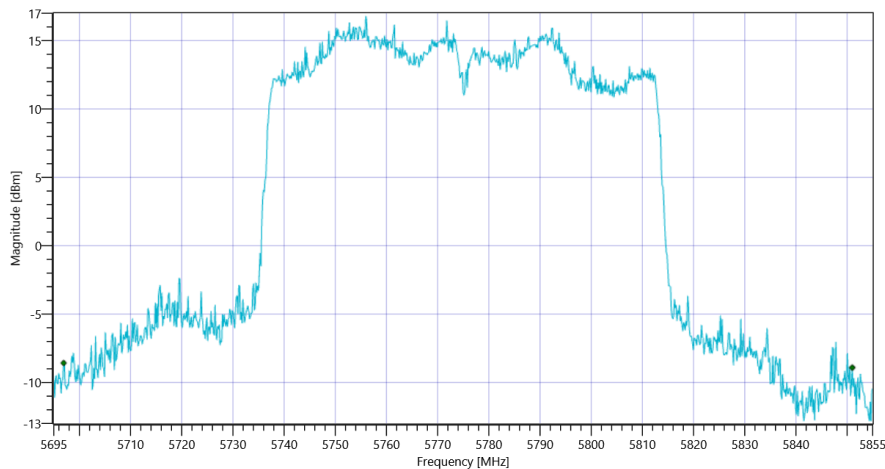
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	154.08	MHz	INFO
T1 26dB	---	---	5696.9200	MHz	INFO
T2 26dB	---	---	5851.0000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

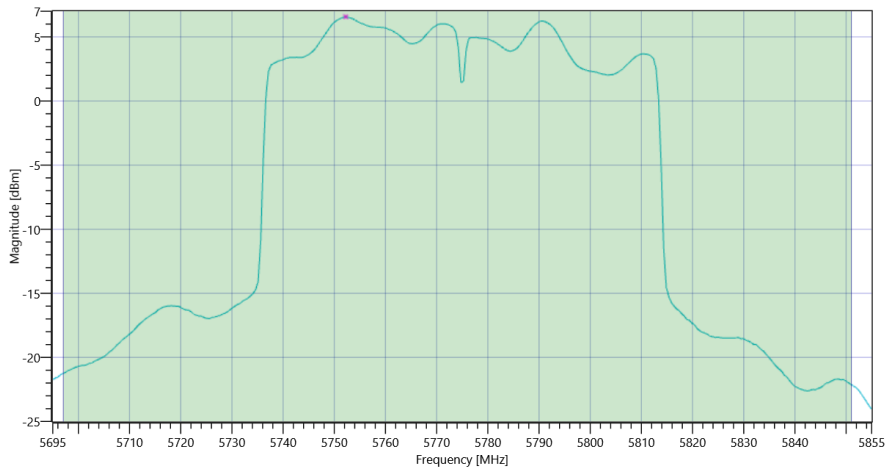
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	27.03   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	23.2	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	23.2	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	32.88	23.2	dBm	not applicable



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

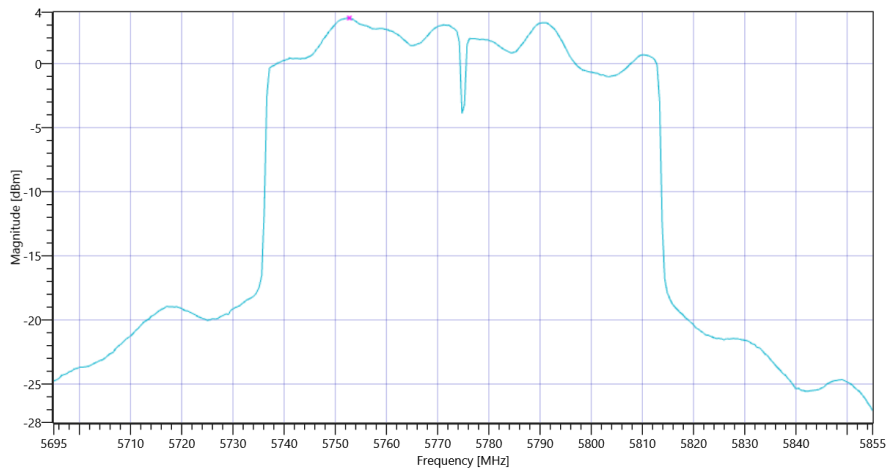
**Power Spectral Density U-NII-3**

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	27.03   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	3.55	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	3.55	dBm/0.5MHz	PASS



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

General verdict

PASS

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

Test References	
TC Start	30.03.2022 04:53:26
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5775 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.18	dBm	INFO
Ref. Frequency	---	---	5757.620	MHz	INFO

## Evaluation max. Duty Cycle

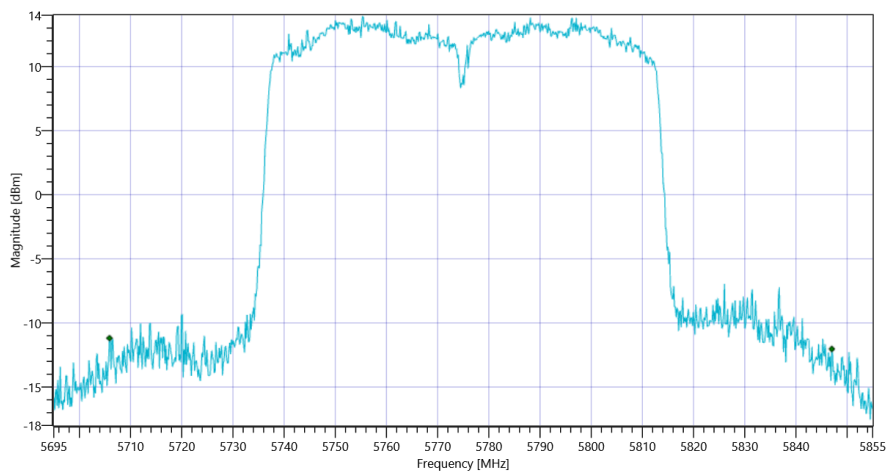
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	141.12	MHz	INFO
T1 26dB	---	---	5705.8800	MHz	INFO
T2 26dB	---	---	5847.0000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	25.18   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

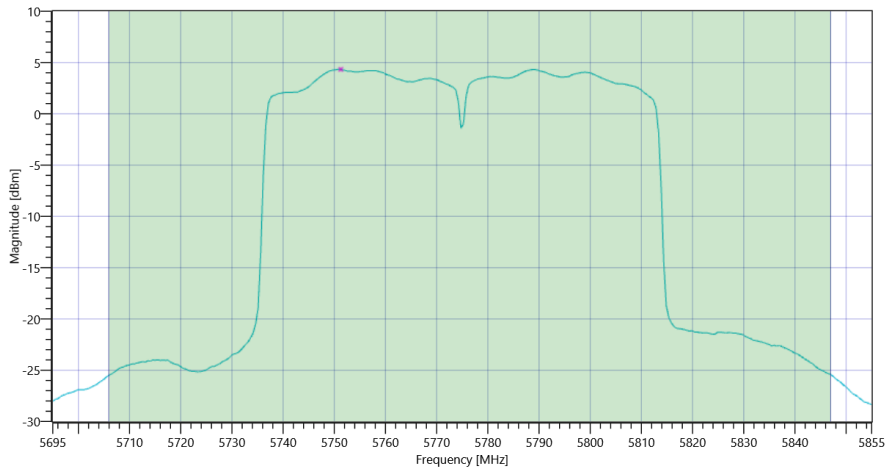
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	21.9	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					



**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	21.9	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	32.5	21.9	dBm	not applicable



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

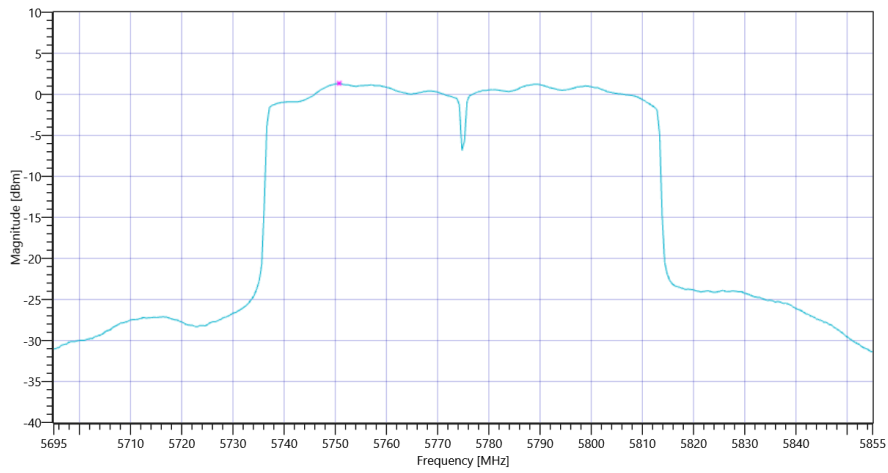
**Power Spectral Density U-NII-3**

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	25.18   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.33	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	1.33	dBm/0.5MHz	PASS



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

General verdict

PASS

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

Test References	
TC Start	30.03.2022 05:00:48
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5775 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.34	dBm	INFO
Ref. Frequency	---	---	5760.810	MHz	INFO

## Evaluation max. Duty Cycle

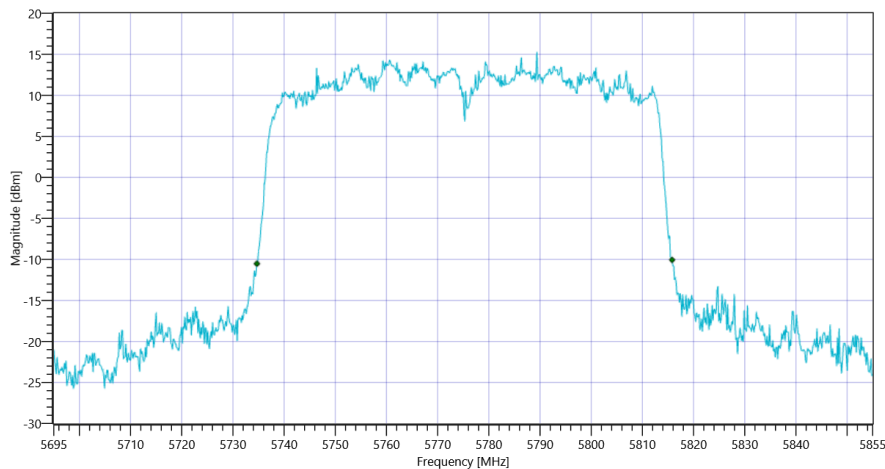
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.12	MHz	INFO
T1 26dB	---	---	5734.6800	MHz	INFO
T2 26dB	---	---	5815.8000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

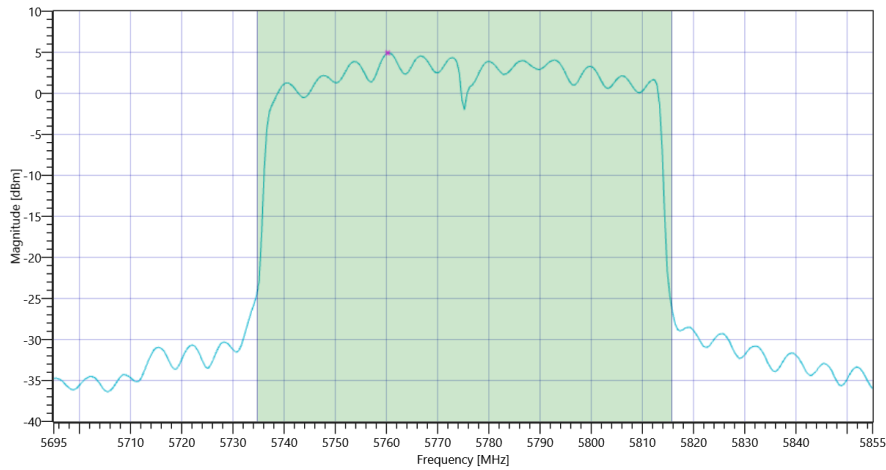
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	25.34   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	21.08	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	21.08	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.09	21.08	dBm	not applicable



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

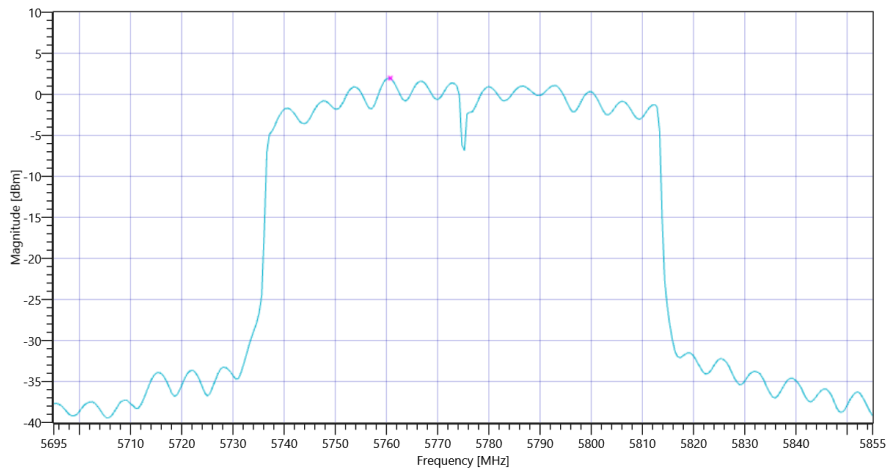
**Power Spectral Density U-NII-3**

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	25.34   17.86   25
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.96	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	1.96	dBm/0.5MHz	PASS



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

General verdict

PASS

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

Test References	
TC Start	30.03.2022 04:16:16
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	True   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5610 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.67	dBm	INFO
Ref. Frequency	---	---	5620.790	MHz	INFO

## Evaluation max. Duty Cycle

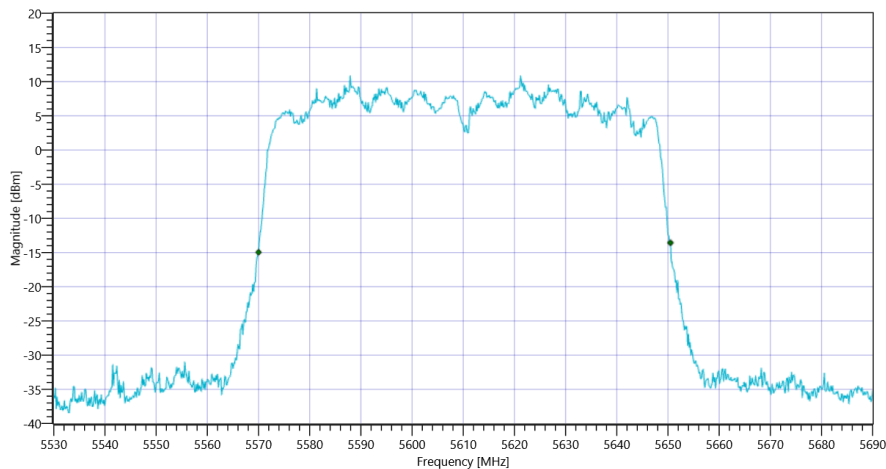
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.48	MHz	INFO
T1 26dB	---	---	5570.0000	MHz	INFO
T2 26dB	---	---	5650.4800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.67   18.15   20
Start [MHz]   Stop [MHz]	5530.000   5690.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

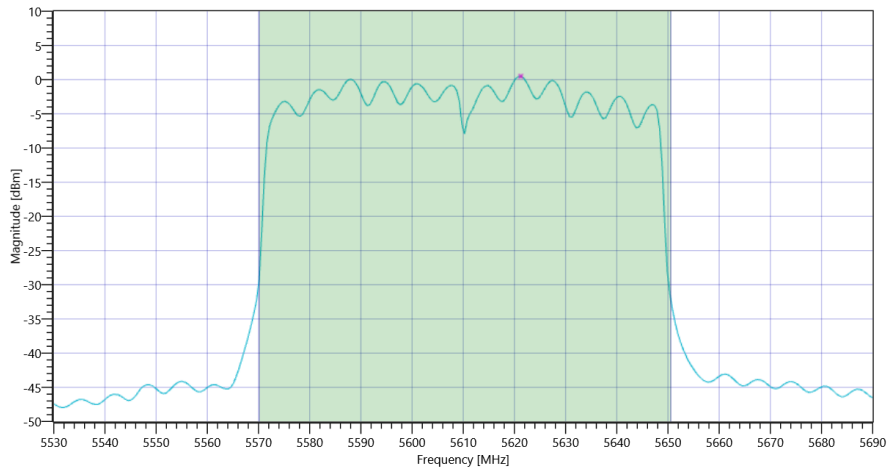
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	16.18	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					



**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	16.18	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.06	16.18	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.49	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.49	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 04:11:50
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	True   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5610 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.28	dBm	INFO
Ref. Frequency	---	---	5605.000	MHz	INFO

## Evaluation max. Duty Cycle

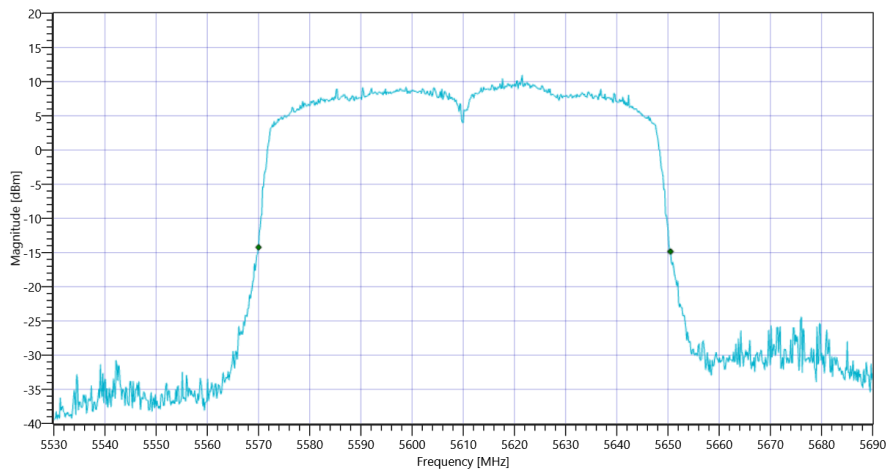
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.48	MHz	INFO
T1 26dB	---	---	5570.0000	MHz	INFO
T2 26dB	---	---	5650.4800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

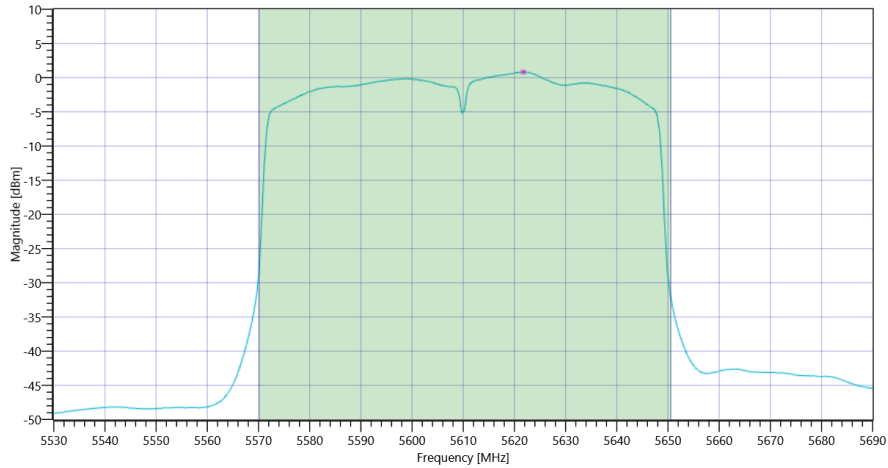
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.28   18.15   20
Start [MHz]   Stop [MHz]	5530.000   5690.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	17.47	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	17.47	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.06	17.47	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.82	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.82	dBm/1MHz	PASS

General verdict

**PASS**

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

Test References	
TC Start	30.03.2022 04:07:25
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	True   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5610 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.01	dBm	INFO
Ref. Frequency	---	---	5617.390	MHz	INFO

## Evaluation max. Duty Cycle

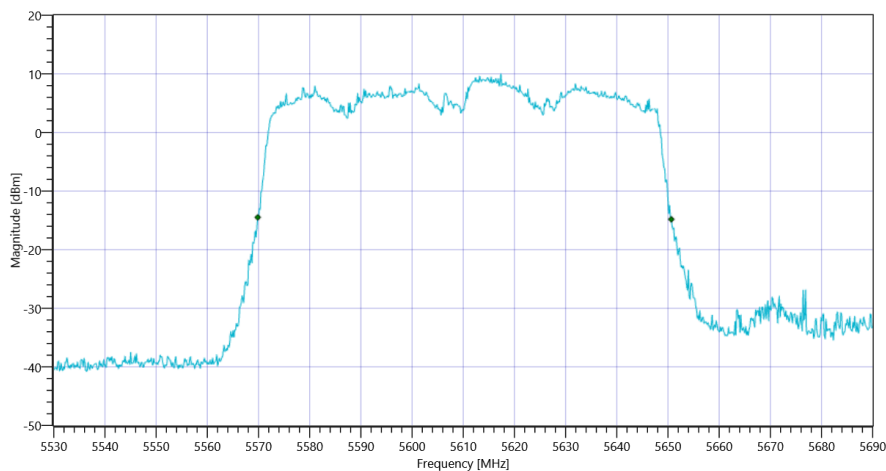
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.8	MHz	INFO
T1 26dB	---	---	5569.8400	MHz	INFO
T2 26dB	---	---	5650.6400	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

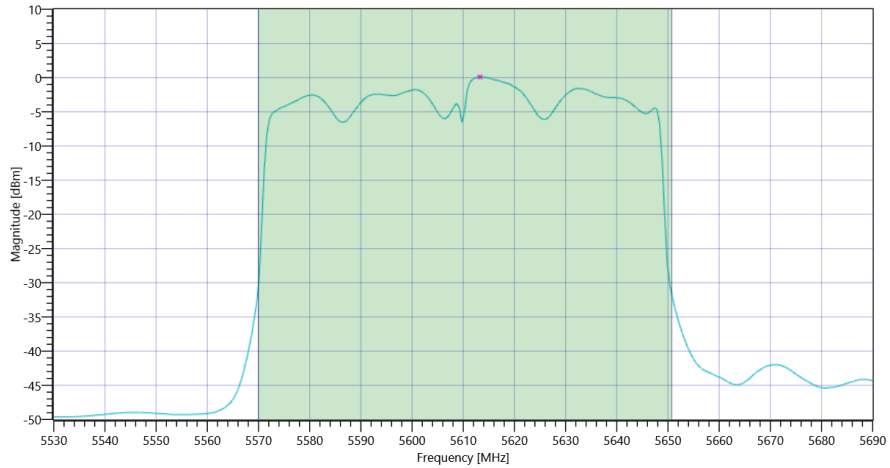
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.01   18.15   20
Start [MHz]   Stop [MHz]	5530.000   5690.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	15.64	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	15.64	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.07	15.64	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.11	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.11	dBm/1MHz	PASS

General verdict	<b>PASS</b>
-----------------	-------------

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

Test References	
TC Start	30.03.2022 04:02:59
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	True   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	



## Test at TX 5610 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.01	dBm	INFO
Ref. Frequency	---	---	5619.990	MHz	INFO

## Evaluation max. Duty Cycle

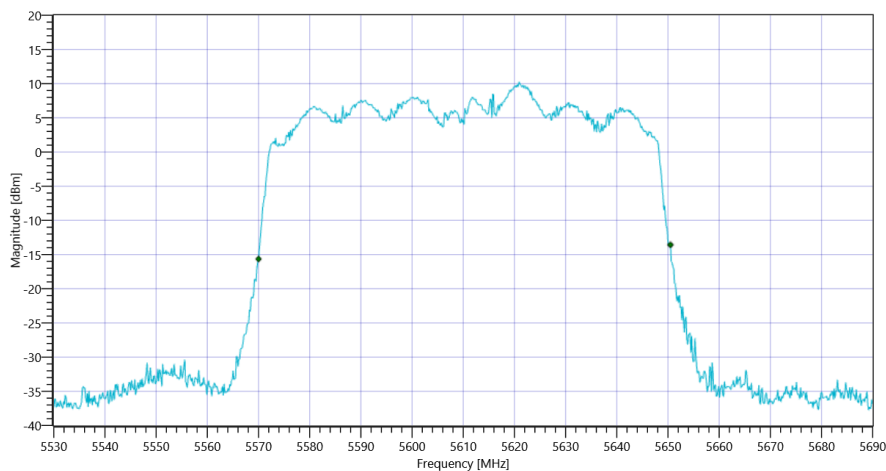
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.48	MHz	INFO
T1 26dB	---	---	5570.0000	MHz	INFO
T2 26dB	---	---	5650.4800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

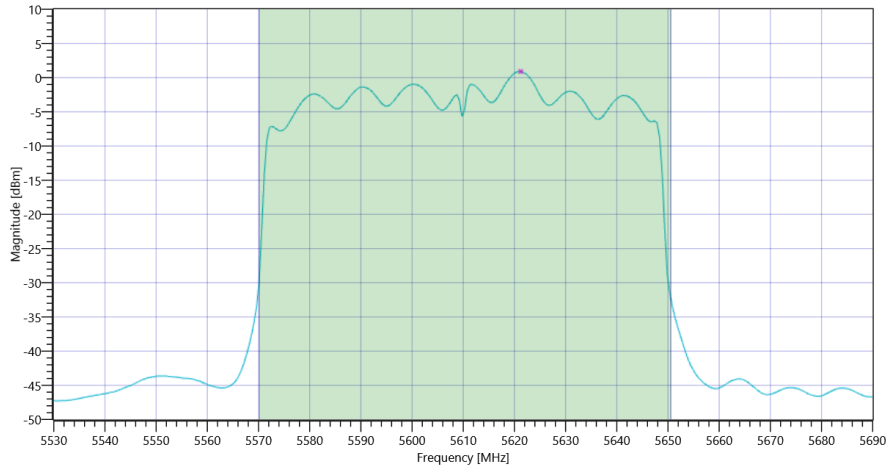
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.01   18.15   20
Start [MHz]   Stop [MHz]	5530.000   5690.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	15.71	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	15.71	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.06	15.71	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.9	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.9	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 03:44:50
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5530 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.79	dBm	INFO
Ref. Frequency	---	---	5547.180	MHz	INFO

## Evaluation max. Duty Cycle

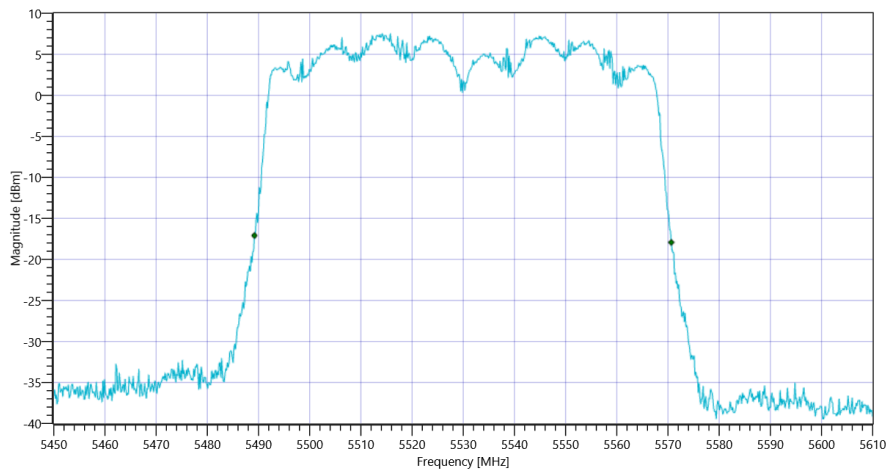
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.44	MHz	INFO
T1 26dB	---	---	5489.2000	MHz	INFO
T2 26dB	---	---	5570.6400	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

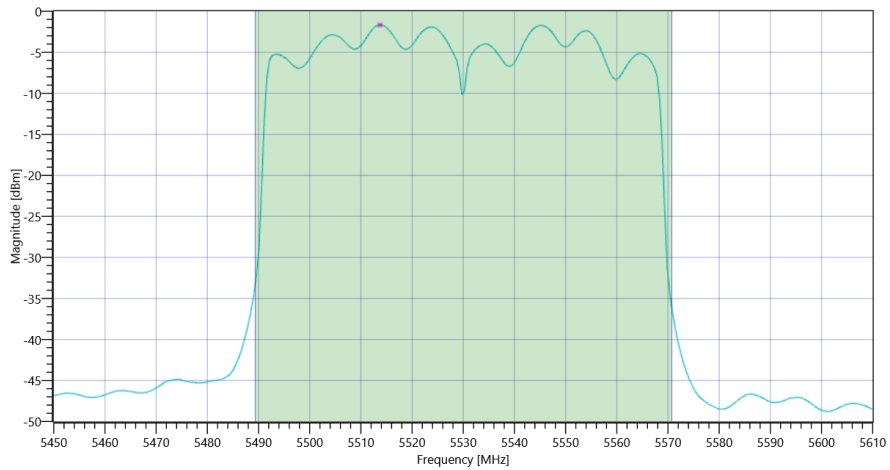
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.79   17.77   20
Start [MHz]   Stop [MHz]	5450.000   5610.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.47	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	14.47	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.11	14.47	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.68	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.68	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 03:49:19
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5530 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.98	dBm	INFO
Ref. Frequency	---	---	5538.590	MHz	INFO

## Evaluation max. Duty Cycle

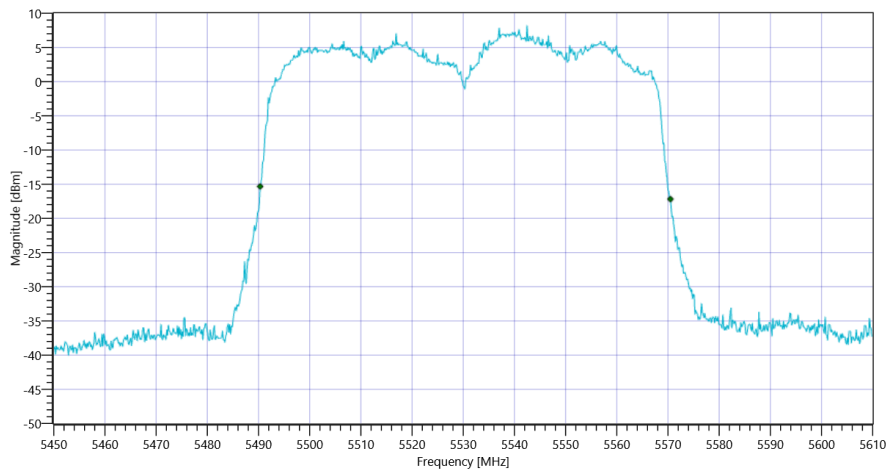
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.16	MHz	INFO
T1 26dB	---	---	5490.3200	MHz	INFO
T2 26dB	---	---	5570.4800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

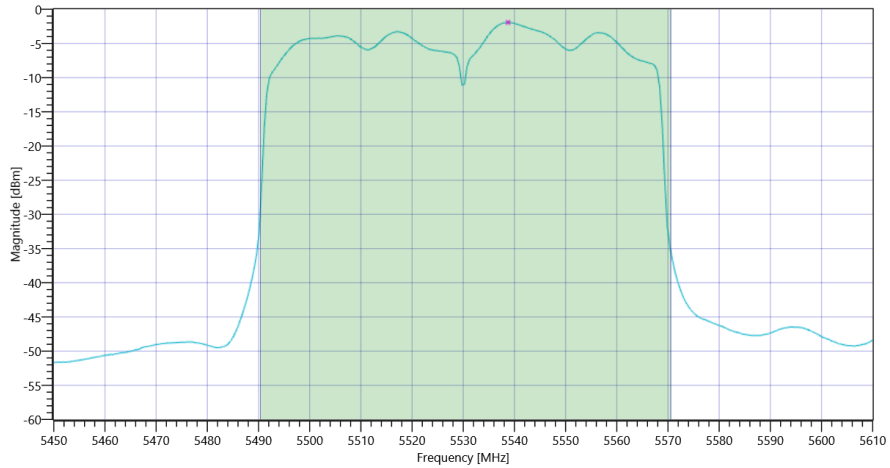
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.98   17.77   15
Start [MHz]   Stop [MHz]	5450.000   5610.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	13.86	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	13.86	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.04	13.86	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.92	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.92	dBm/1MHz	PASS

General verdict	<b>PASS</b>
-----------------	-------------



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

Test References	
TC Start	30.03.2022 03:53:48
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5530 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.79	dBm	INFO
Ref. Frequency	---	---	5538.790	MHz	INFO

## Evaluation max. Duty Cycle

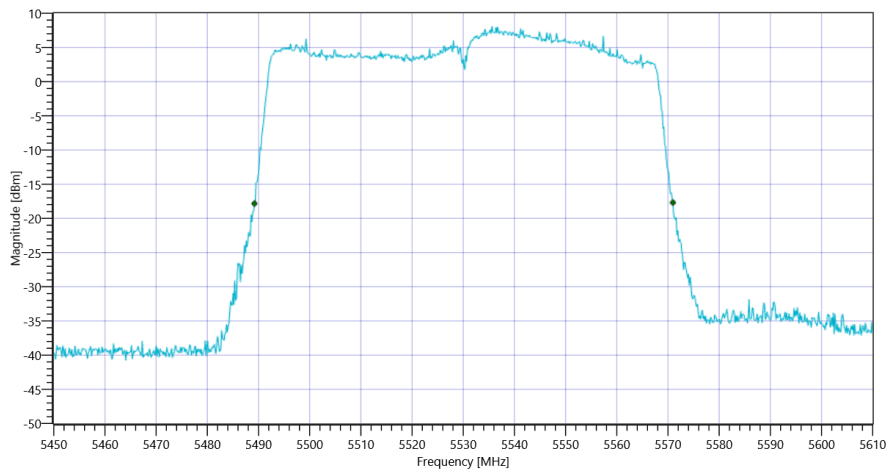
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.76	MHz	INFO
T1 26dB	---	---	5489.2000	MHz	INFO
T2 26dB	---	---	5570.9600	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

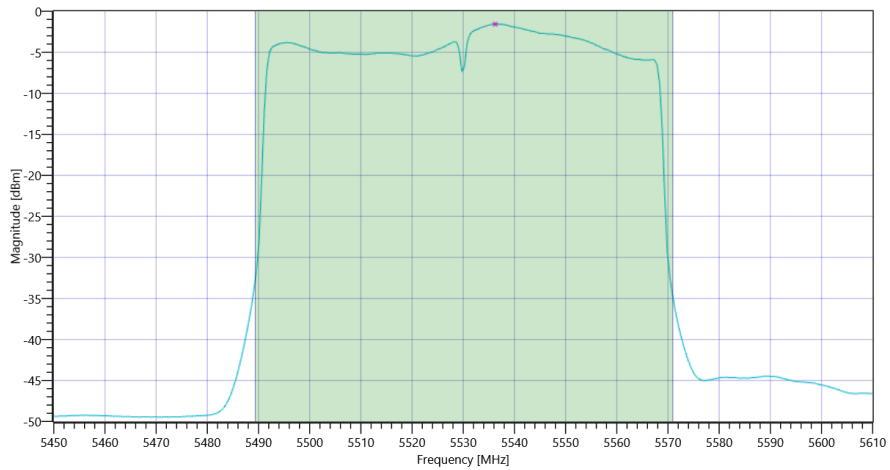
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.79   17.77   20
Start [MHz]   Stop [MHz]	5450.000   5610.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.59	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	14.59	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	14.59	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.57	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.57	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 03:58:18
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2C
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	False   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5530 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.27	dBm	INFO
Ref. Frequency	---	---	5507.420	MHz	INFO

## Evaluation max. Duty Cycle

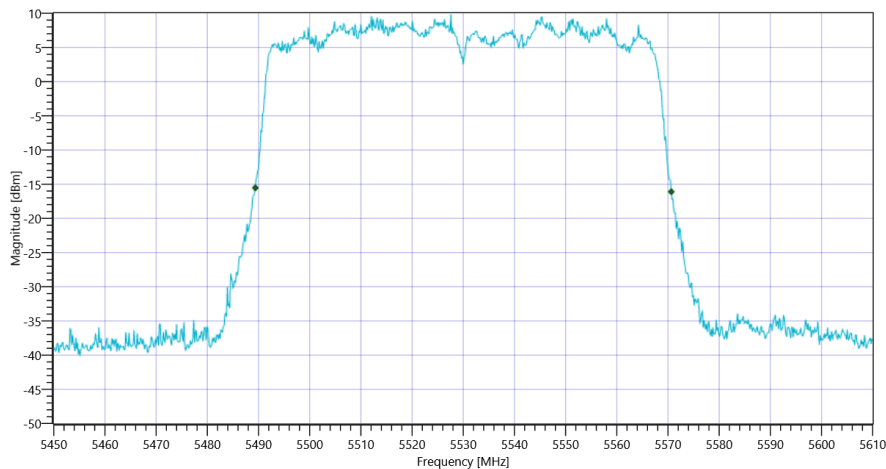
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.28	MHz	INFO
T1 26dB	---	---	5489.3600	MHz	INFO
T2 26dB	---	---	5570.6400	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

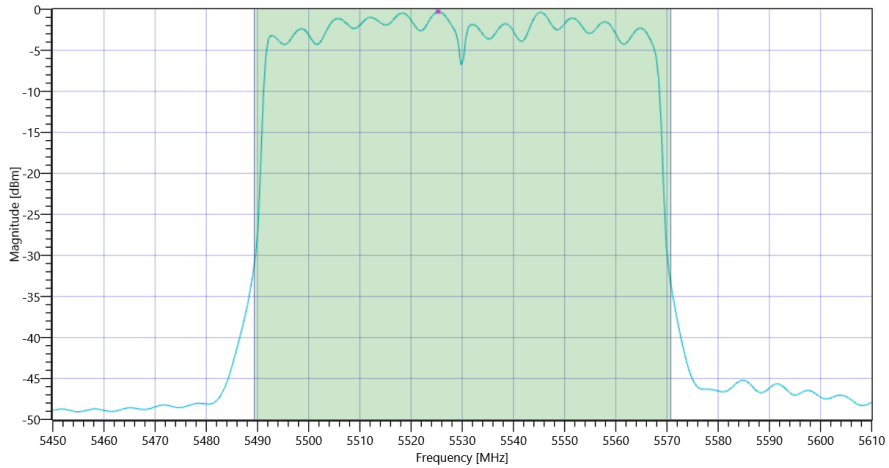
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.27   17.77   20
Start [MHz]   Stop [MHz]	5450.000   5610.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	16.37	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	16.37	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.1	16.37	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.28	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.28	dBm/1MHz	PASS

General verdict

**PASS**

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

Test References	
TC Start	30.03.2022 03:39:57
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5290
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5290 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.14	dBm	INFO
Ref. Frequency	---	---	5269.420	MHz	INFO

## Evaluation max. Duty Cycle

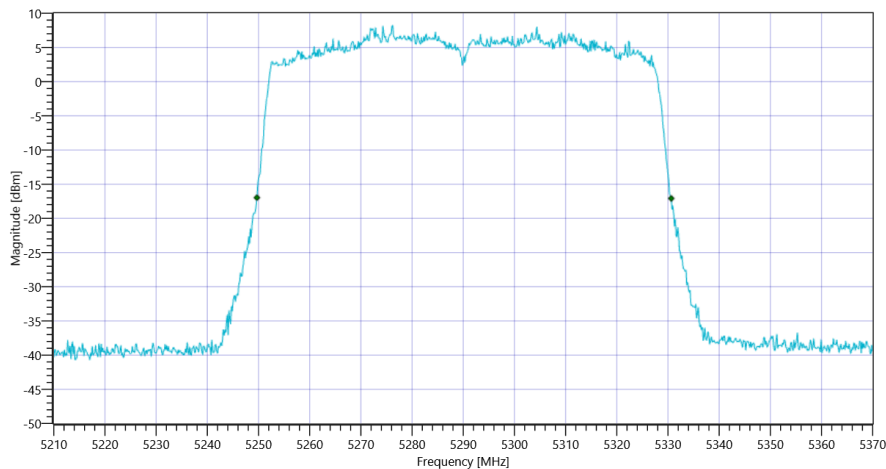
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.96	MHz	INFO
T1 26dB	---	---	5249.6800	MHz	INFO
T2 26dB	---	---	5330.6400	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.14   17.67   15
Start [MHz]   Stop [MHz]	5210.000   5370.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

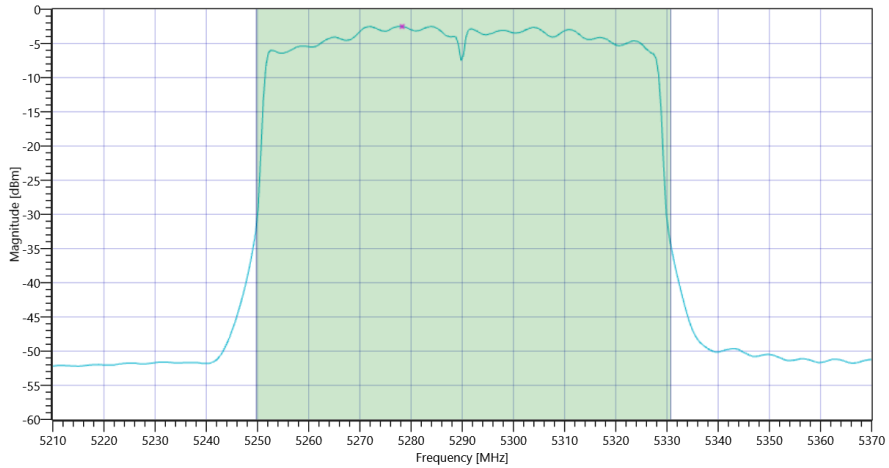
### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.65	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					



**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	14.65	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.08	14.65	dBm	PASS



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

**Power Spectral Density**

**RESULT**

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

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 03:35:21
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5290
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5290 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.18	dBm	INFO
Ref. Frequency	---	---	5286.000	MHz	INFO

## Evaluation max. Duty Cycle

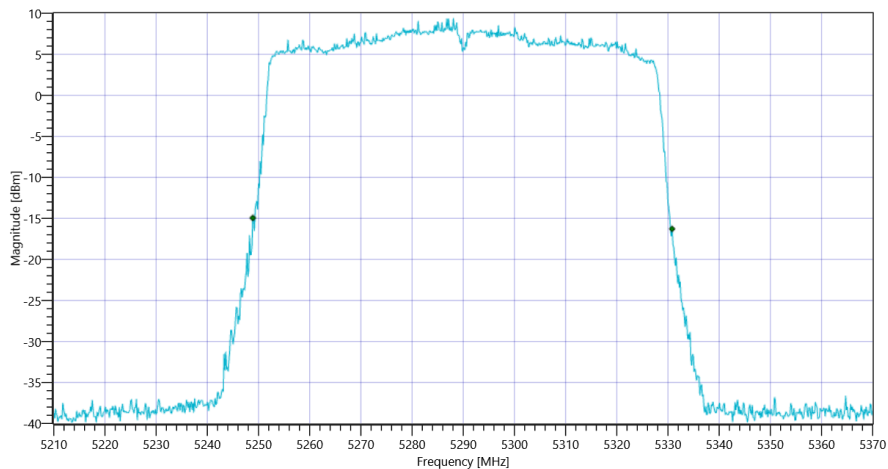
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.92	MHz	INFO
T1 26dB	---	---	5248.8800	MHz	INFO
T2 26dB	---	---	5330.8000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

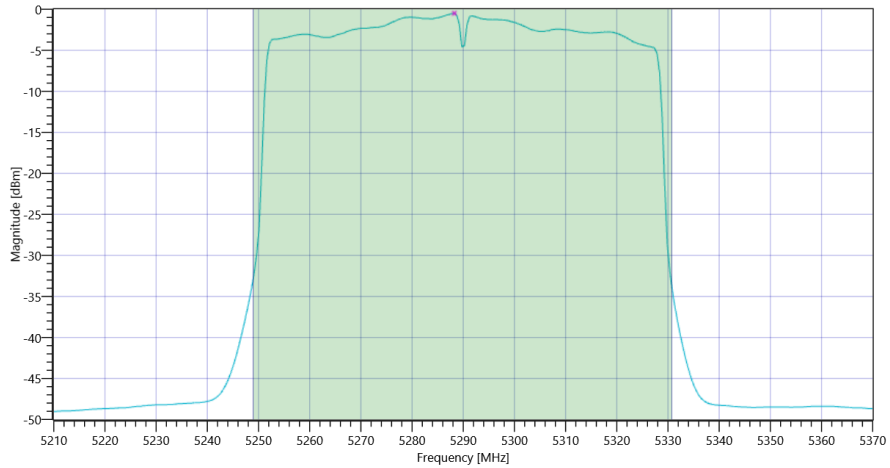
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.18   17.67   20
Start [MHz]   Stop [MHz]	5210.000   5370.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	16.26	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	16.26	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.13	16.26	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.49	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.49	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	30.03.2022 03:30:46
Ambit Temp [°C]   Humidity [rel%]	25.3   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5290
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5290 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.30	dBm	INFO
Ref. Frequency	---	---	5302.190	MHz	INFO

## Evaluation max. Duty Cycle

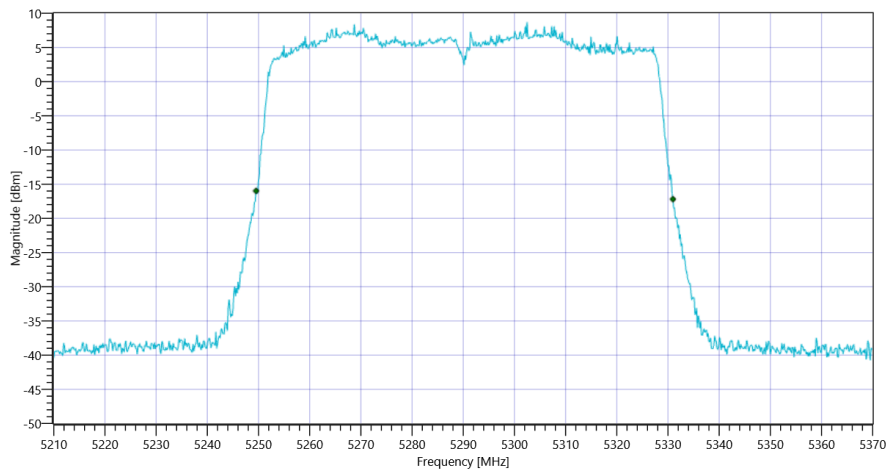
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.44	MHz	INFO
T1 26dB	---	---	5249.5200	MHz	INFO
T2 26dB	---	---	5330.9600	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

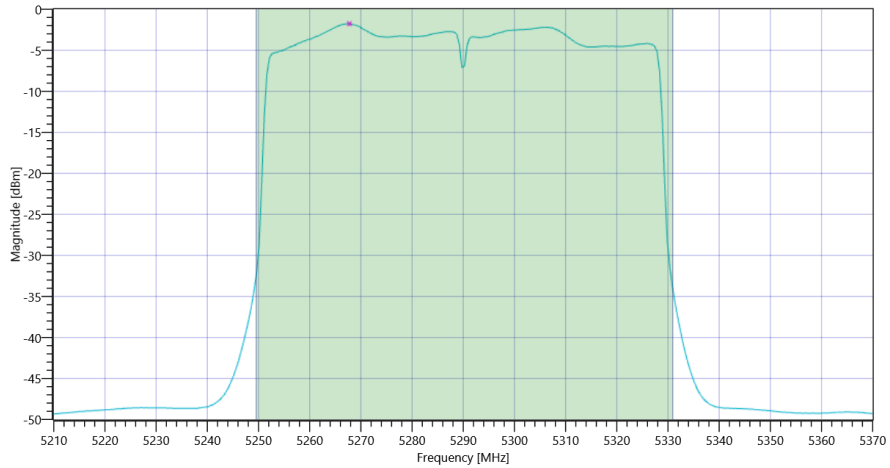
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	19.30   17.67   20
Start [MHz]   Stop [MHz]	5210.000   5370.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	15.21	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	15.21	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.11	15.21	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.77	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.77	dBm/1MHz	PASS

General verdict	<b>PASS</b>
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## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-2A

Test References	
TC Start	30.03.2022 03:26:10
Ambit Temp [°C]   Humidity [rel%]	25.3   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-2A
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5290
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	



## Test at TX 5290 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.40	dBm	INFO
Ref. Frequency	---	---	5272.620	MHz	INFO

## Evaluation max. Duty Cycle

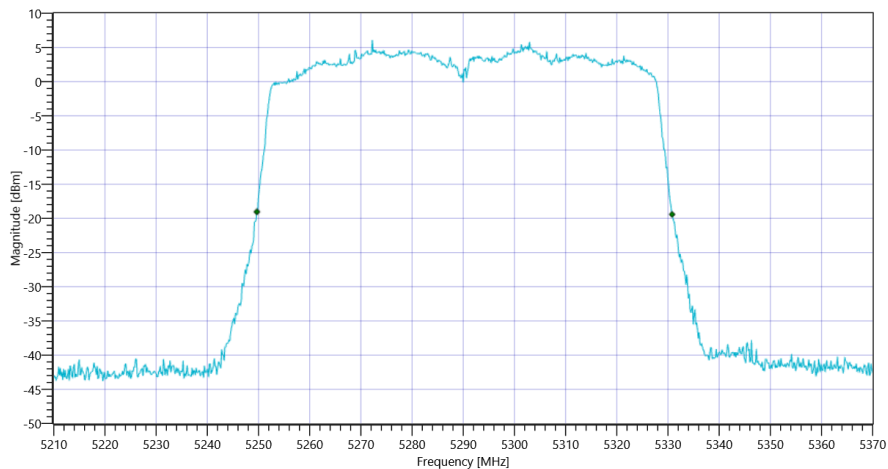
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.12	MHz	INFO
T1 26dB	---	---	5249.6800	MHz	INFO
T2 26dB	---	---	5330.8000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

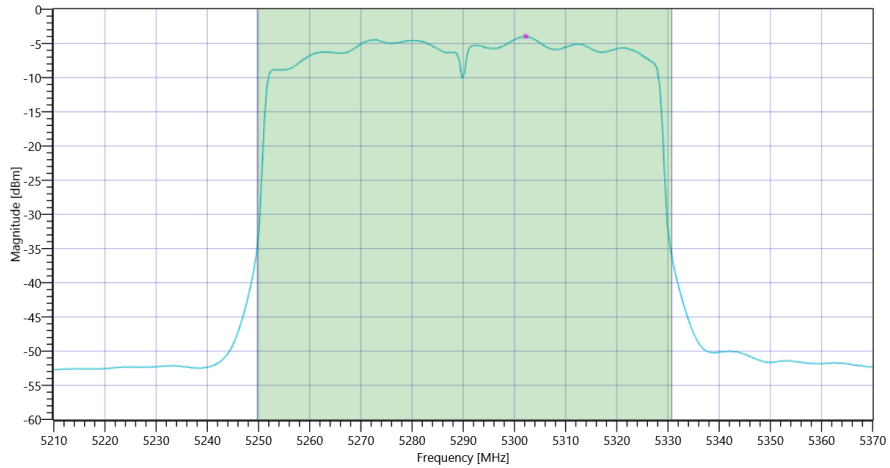
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.40   17.67   15
Start [MHz]   Stop [MHz]	5210.000   5370.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	12.78	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	12.78	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.09	12.78	dBm	PASS



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.98	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.98	dBm/1MHz	PASS

General verdict	<b>PASS</b>
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## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1

Test References	
TC Start	30.03.2022 03:21:14
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5210 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.27	dBm	INFO
Ref. Frequency	---	---	5197.410	MHz	INFO

## Evaluation max. Duty Cycle

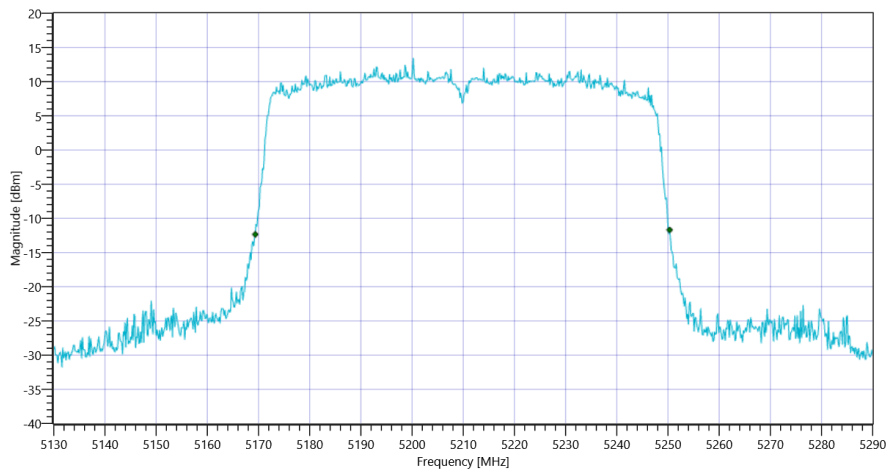
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80.96	MHz	INFO
T1 26dB	---	---	5169.3600	MHz	INFO
T2 26dB	---	---	5250.3200	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

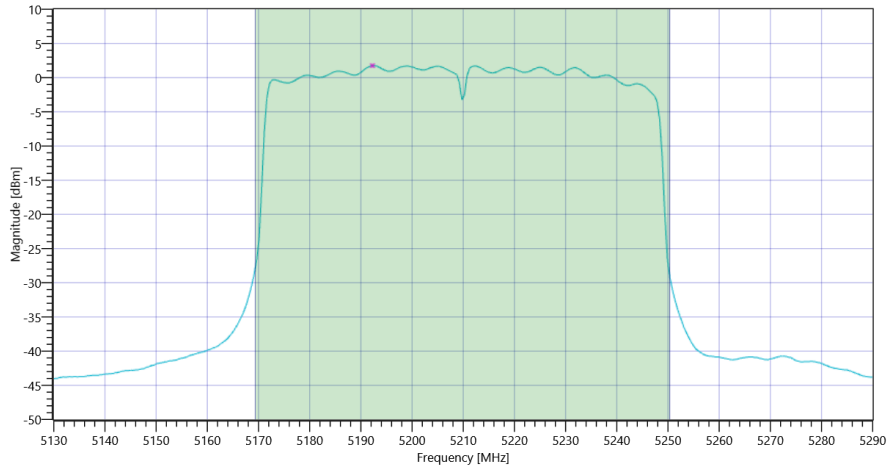
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	22.27   17.09   20
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	19.17	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	19.17	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.08	19.17	dBm	not applicable



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.75	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	17	1.75	dBm/1MHz	PASS

General verdict	<b>PASS</b>
-----------------	-------------

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

Test References	
TC Start	30.03.2022 03:16:37
Ambit Temp [°C]   Humidity [rel%]	25.4   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5210 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.93	dBm	INFO
Ref. Frequency	---	---	5238.570	MHz	INFO

## Evaluation max. Duty Cycle

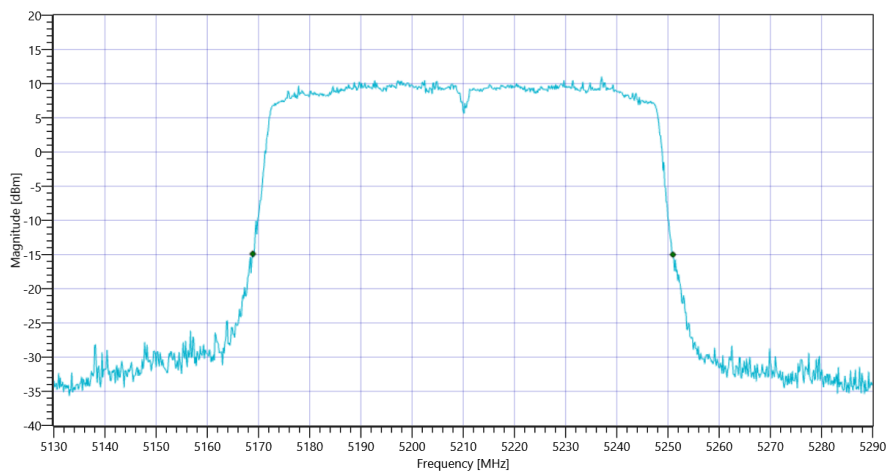
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.08	MHz	INFO
T1 26dB	---	---	5168.8800	MHz	INFO
T2 26dB	---	---	5250.9600	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

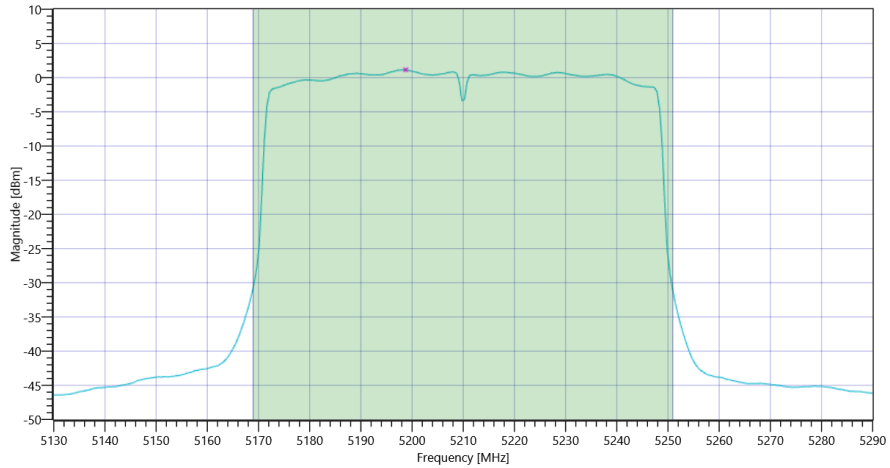
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.93   17.09   20
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	18.7	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	18.7	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.14	18.7	dBm	not applicable



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.14	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	17	1.14	dBm/1MHz	PASS

General verdict **PASS**



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

Test References	
TC Start	30.03.2022 03:11:59
Ambit Temp [°C]   Humidity [rel%]	25.3   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5210 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.00	dBm	INFO
Ref. Frequency	---	---	5191.420	MHz	INFO

## Evaluation max. Duty Cycle

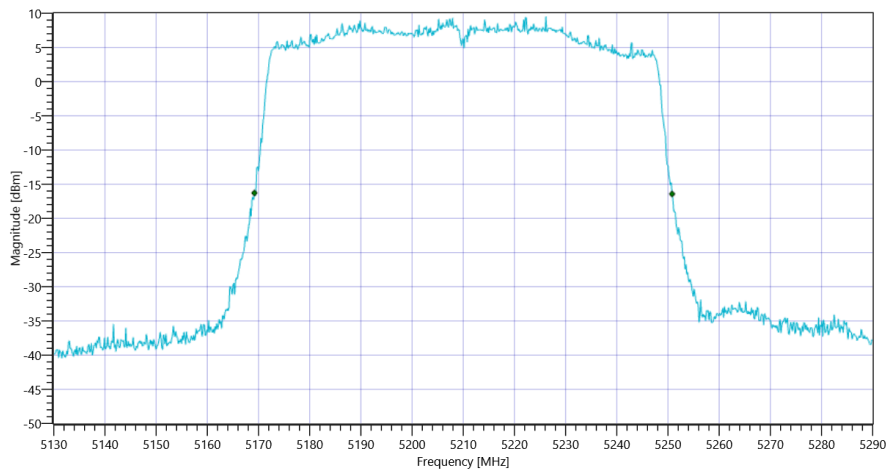
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.6	MHz	INFO
T1 26dB	---	---	5169.2000	MHz	INFO
T2 26dB	---	---	5250.8000	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

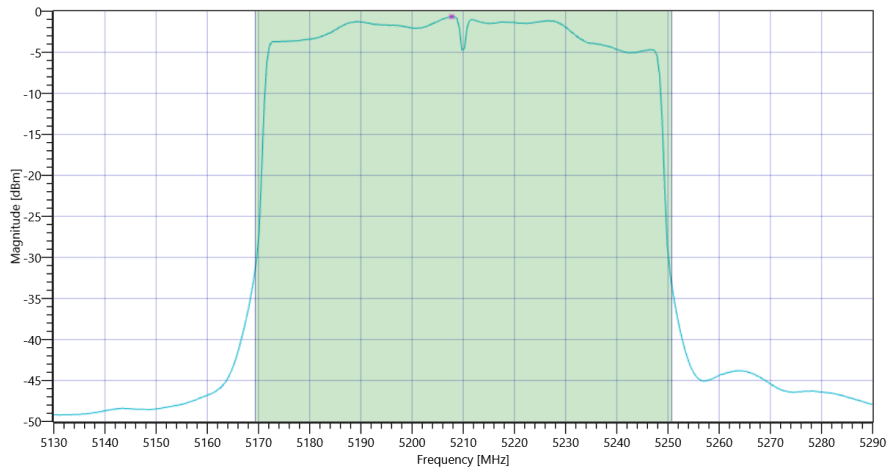
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.00   17.09   20
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	16.25	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	16.25	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.12	16.25	dBm	not applicable



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.65	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	17	-0.65	dBm/1MHz	PASS

General verdict	<b>PASS</b>
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## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ac-VHT80 mode U-NII-1

Test References	
TC Start	30.03.2022 03:07:22
Ambit Temp [°C]   Humidity [rel%]	25.3   25
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-1
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI	

## Test at TX 5210 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.92	dBm	INFO
Ref. Frequency	---	---	5202.810	MHz	INFO

## Evaluation max. Duty Cycle

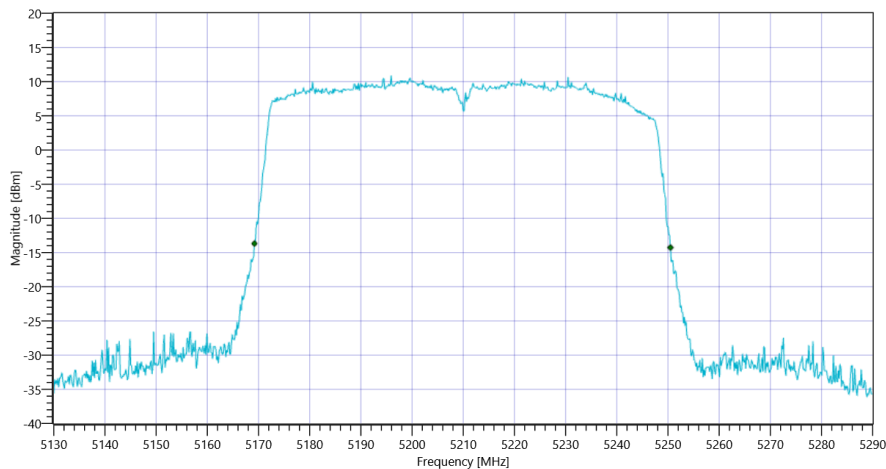
### Duty Cycle evaluation

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

## Evaluation Bandwidth

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.28	MHz	INFO
T1 26dB	---	---	5169.2000	MHz	INFO
T2 26dB	---	---	5250.4800	MHz	INFO



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

## Maximum Output Power

### READ SA SETTINGS:

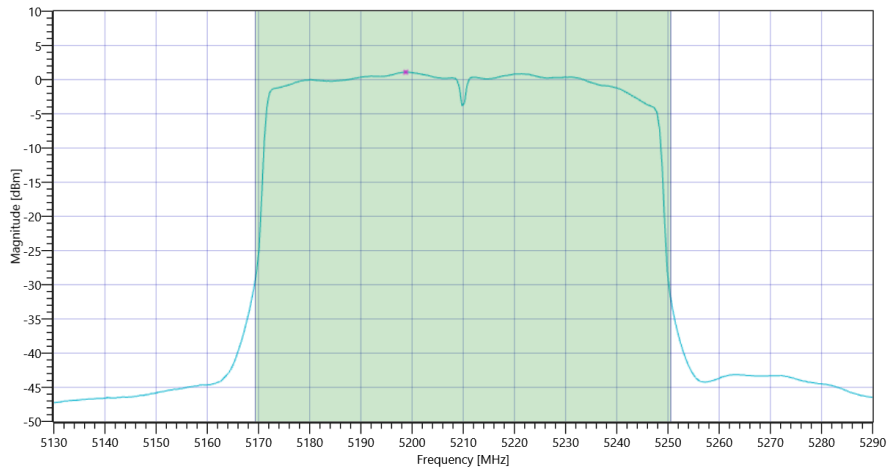
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.92   17.09   20
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	107000   1   320   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	18.44	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	18.44	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.1	18.44	dBm	not applicable



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

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.1	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	17	1.1	dBm/1MHz	PASS

General verdict **PASS**

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

Test References	
TC Start	05.04.2022 15:11:25
Ambit Temp [°C]   Humidity [rel%]	25.7   27
System Version	3.0.6.0
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	4
User Interaction	No
Device Class UNII_1	AP indoor

Test Parameter	
Technology to test	WLAN5Gx ac-VHT80 mode U-NII-3
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70	
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI	

## Test at TX 5775 MHz

### RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.66	dBm	INFO
Ref. Frequency	---	---	5754.220	MHz	INFO

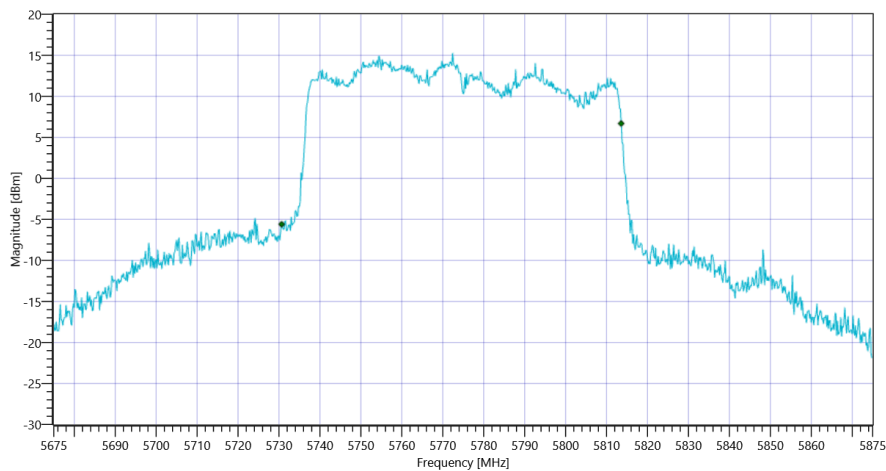
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.66   11.29   30
Start [MHz]   Stop [MHz]	5675.000   5875.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	82.917	MHz	INFO
T1 99%	5725.000000	---	5730.6444	MHz	PASS
T2 99%	---	5850.000000	5813.5614	MHz	PASS

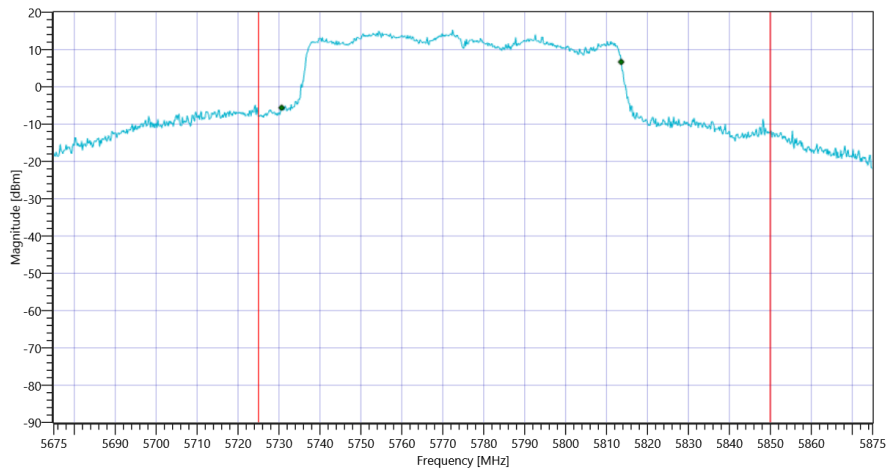
### Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3 99PCT

### Plot: Bandwidth within Band

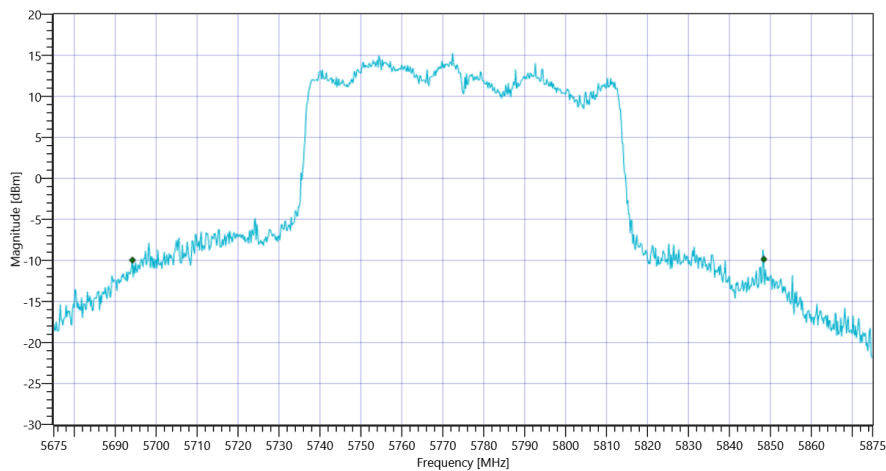




FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3

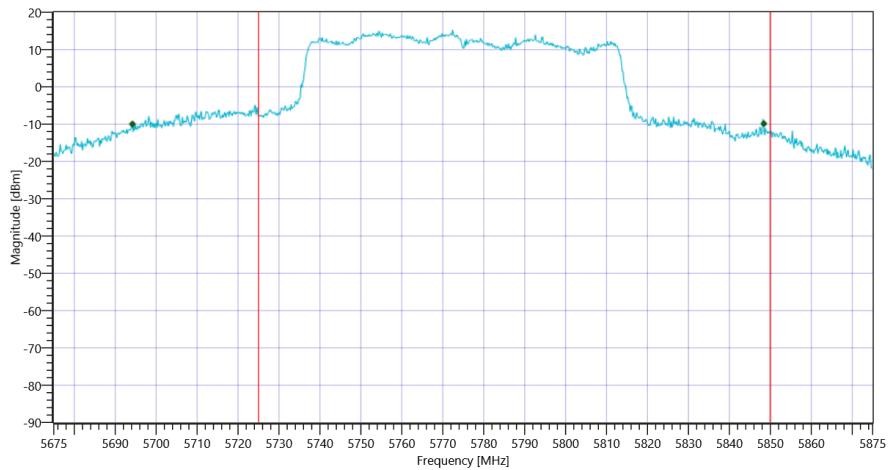
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	154.2	MHz	INFO
T1 26dB	5725.000000	---	5694.2000	MHz	DFS required
T2 26dB	---	5850.000000	5848.4000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx ac-VHT80 mode U-NII-3

General verdict

PASS

- END OF DOCUMENT -