

## Test at TX 5530 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.82	dBm	INFO
Ref. Frequency	---	---	5520.210	MHz	INFO

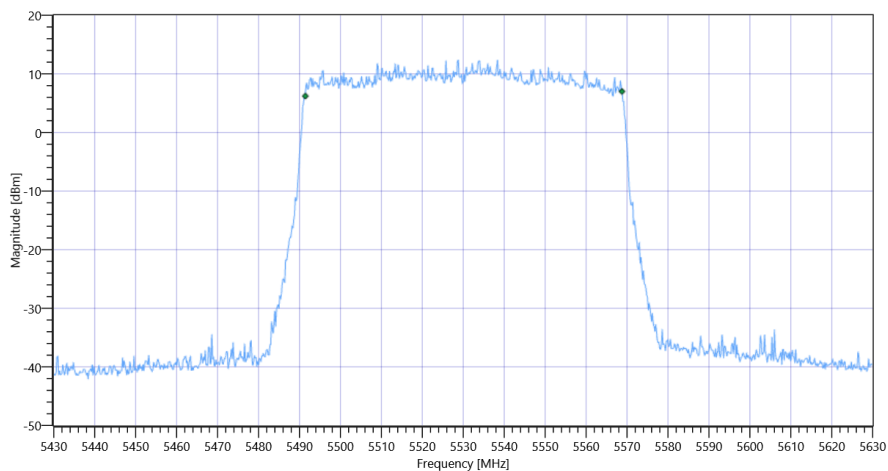
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.82   5.47   30
Start [MHz]   Stop [MHz]	5430.000   5630.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

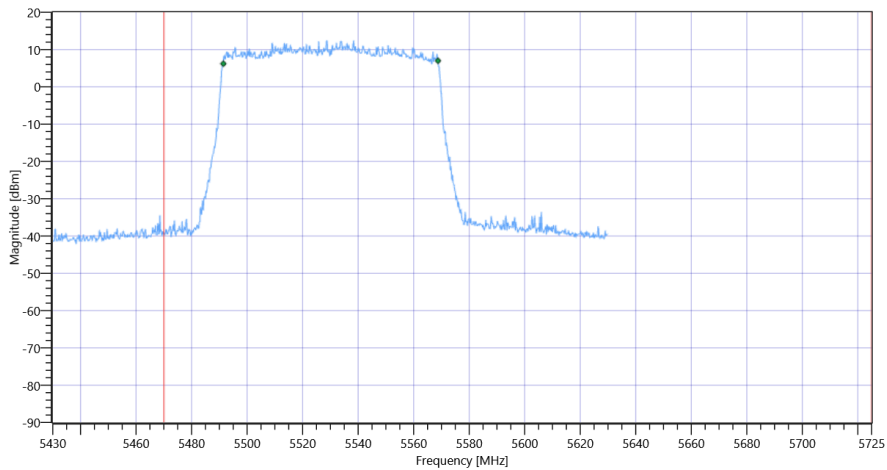
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.323	MHz	INFO
T1 99%	5470.000000	---	5491.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.7612	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

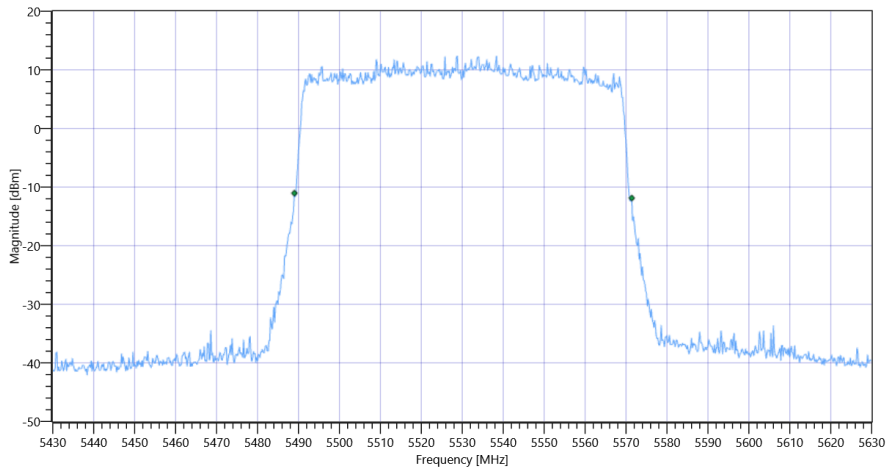


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

**RESULT**

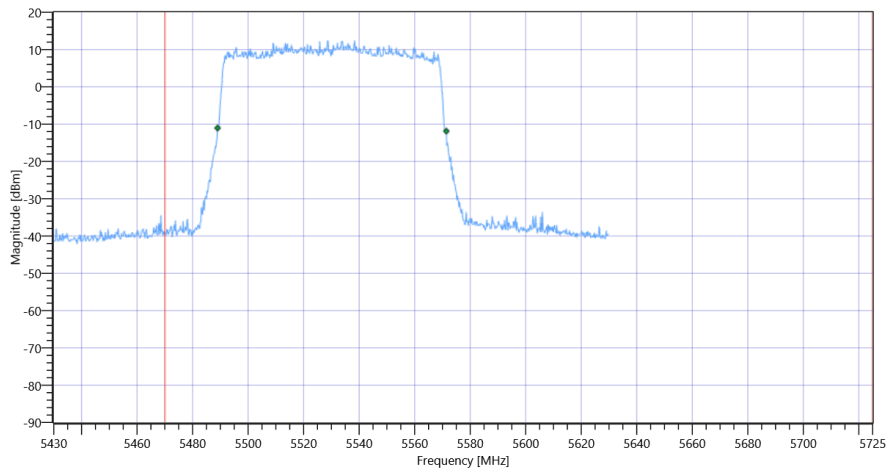
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.4	MHz	INFO
T1 26dB	5470.000000	---	5489.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5571.4000	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 09:57:04
Ambit Temp [°C]   Humidity [rel%]	25.6   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	9.47	dBm	INFO
Ref. Frequency	---	---	5531.600	MHz	INFO

Evaluation max. Duty Cycle

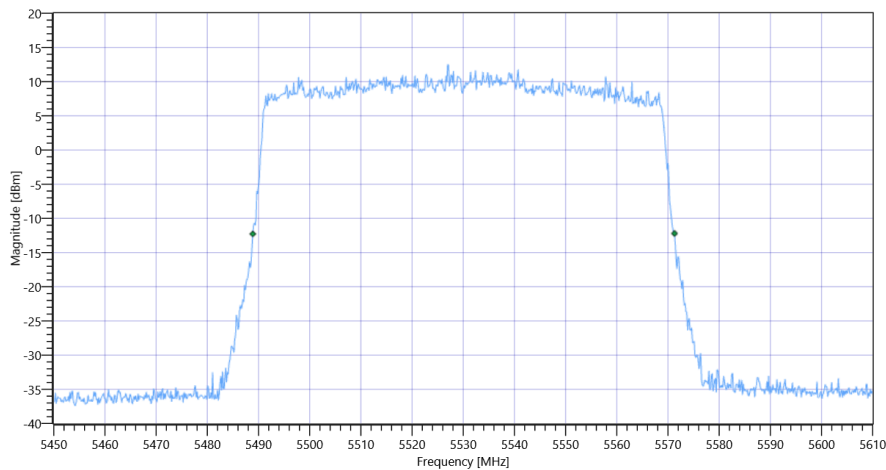
### Duty Cycle evaluation

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	---	---	82.4	MHz	INFO
T1 26dB	---	---	5488.8800	MHz	INFO
T2 26dB	---	---	5571.2800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

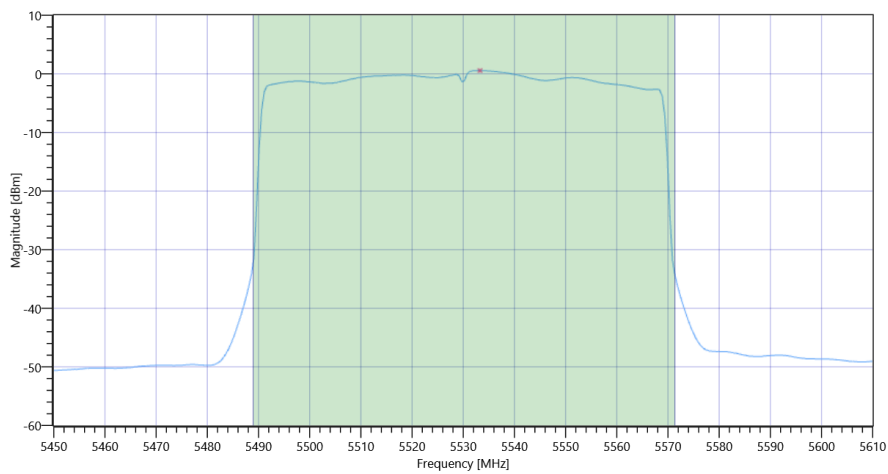
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.47   5.47   30
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	---	---	17.79	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.79	dBm	PASS
Limit: 11 dBm + 10 log 82.4					
Max Output Power DC corrected	---	30.16	17.79	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.55	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.55	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 09:56:06
Ambit Temp [°C]   Humidity [rel%]	25.6   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	8.74	dBm	INFO
Ref. Frequency	---	---	5537.390	MHz	INFO

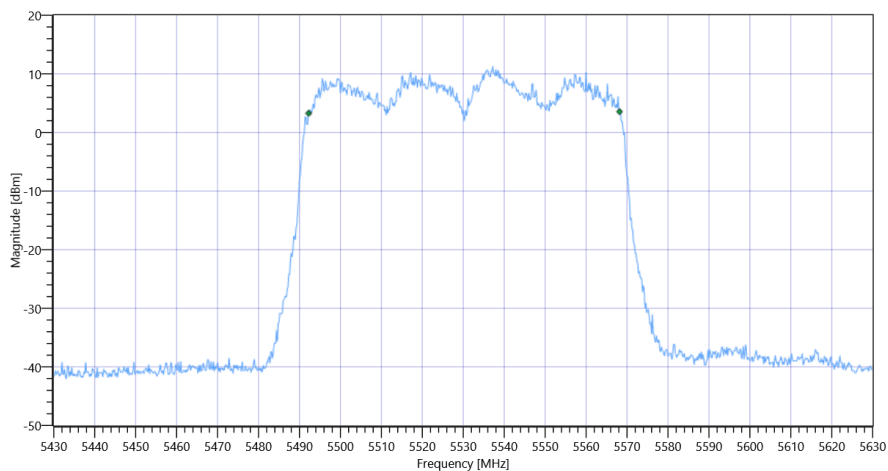
## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.74   5.47   30
Start [MHz]   Stop [MHz]	5430.000   5630.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

## RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	75.924	MHz	INFO
T1 99%	5470.000000	---	5492.2378	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.1618	MHz	

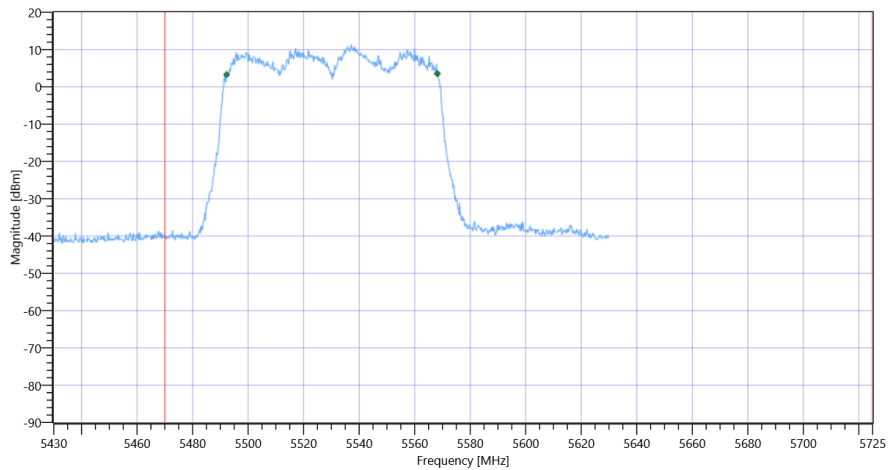
## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

## Plot: Bandwidth within Band



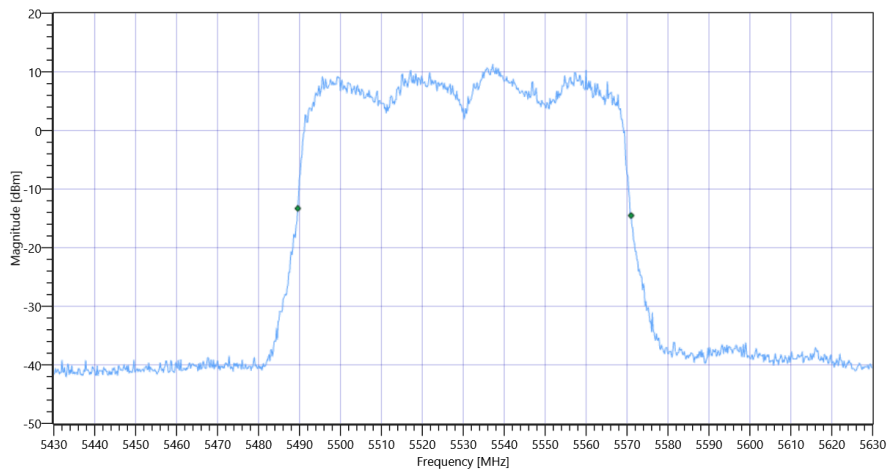


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

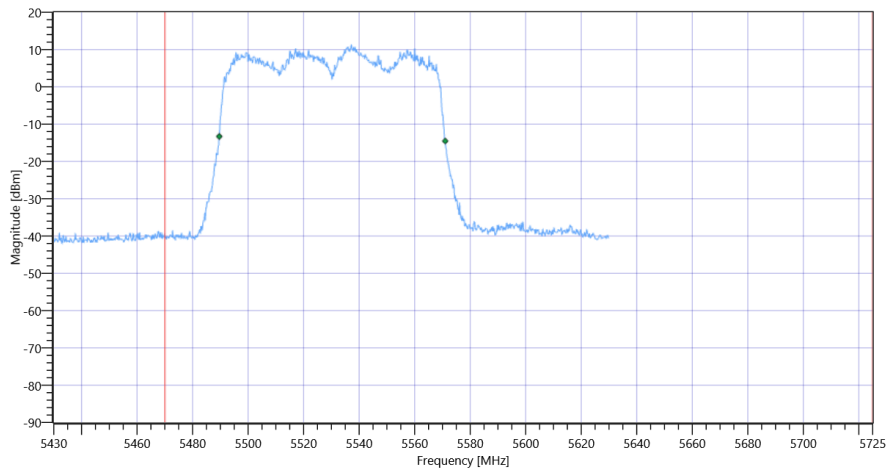
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.4	MHz	INFO
T1 26dB	5470.000000	---	5489.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5571.0000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 09:53:27
Ambit Temp [°C]   Humidity [rel%]	25.5   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	9.16	dBm	INFO
Ref. Frequency	---	---	5558.170	MHz	INFO

Evaluation max. Duty Cycle

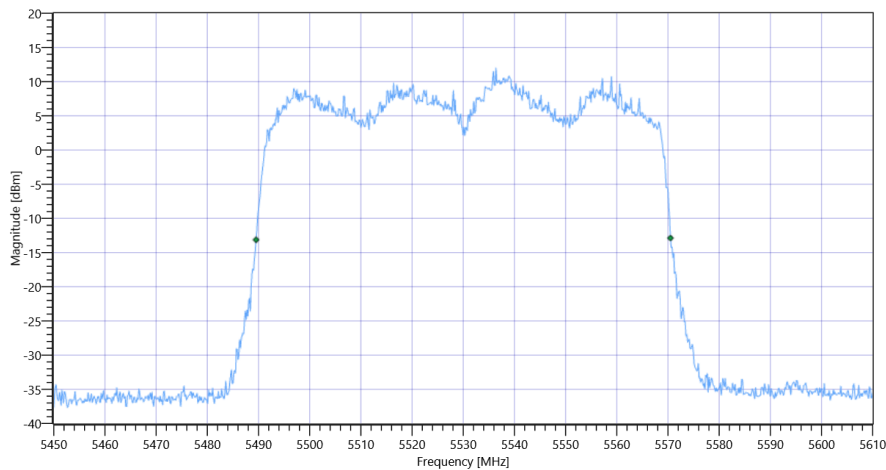
Duty Cycle evaluation

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	---	---	5489.5200	MHz	INFO
T2 26dB	---	---	5570.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

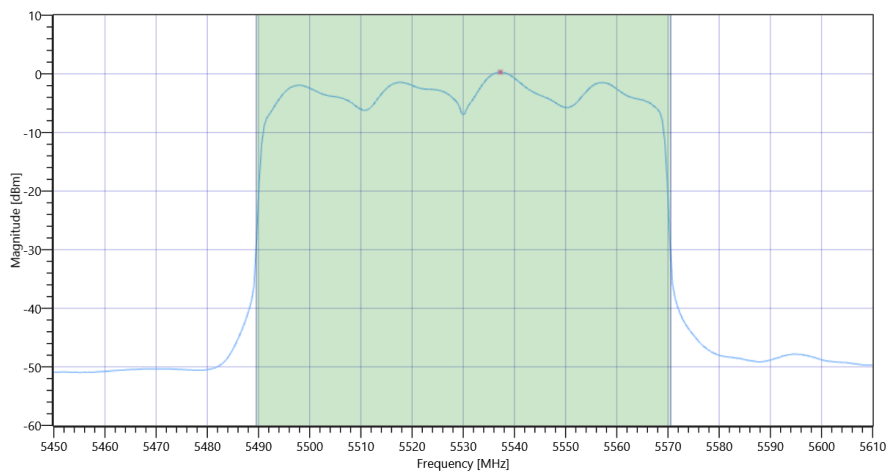
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	21.16   5.47   30
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	---	---	15.59	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.59	dBm	PASS
Limit: 11 dBm + 10 log 80.96					
Max Output Power DC corrected	---	30.08	15.59	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.31	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.31	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 09:52:29
Ambit Temp [°C]   Humidity [rel%]	25.5   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	9.95	dBm	INFO
Ref. Frequency	---	---	5554.580	MHz	INFO

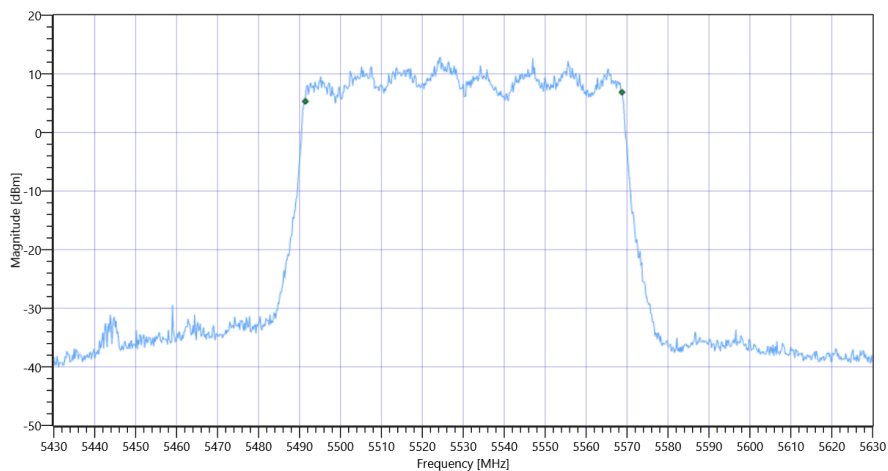
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.95   5.47   30
Start [MHz]   Stop [MHz]	5430.000   5630.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

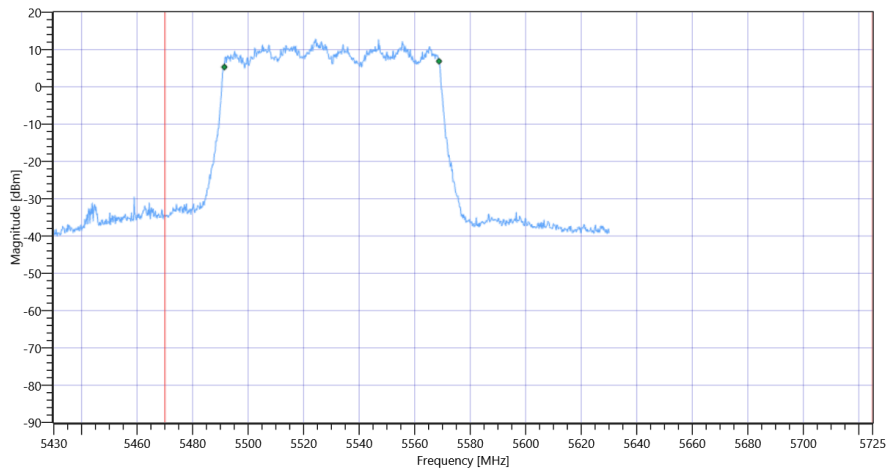
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.323	MHz	INFO
T1 99%	5470.000000	---	5491.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.7612	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

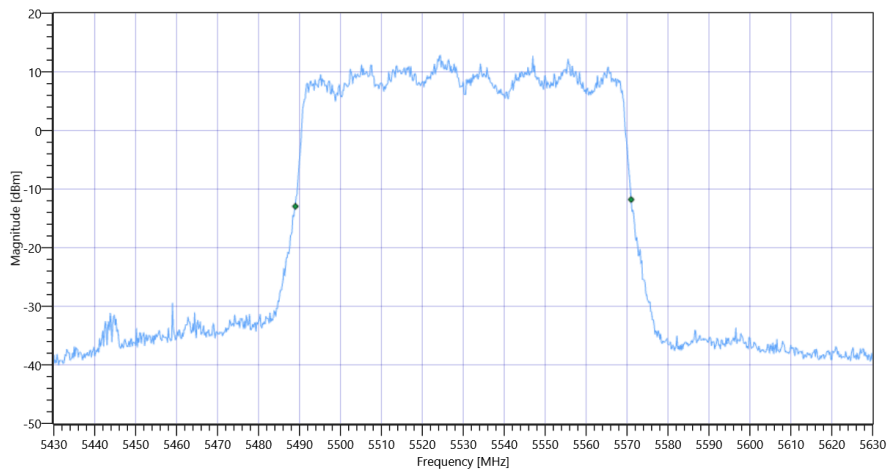


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82	MHz	INFO
T1 26dB	5470.000000	---	5489.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5571.0000	MHz	

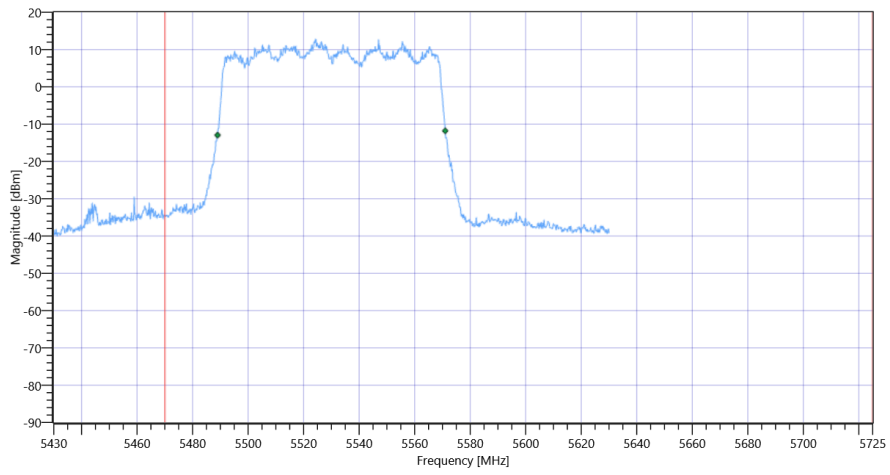
## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band





FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 09:49:51
Ambit Temp [°C]   Humidity [rel%]	25.5   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.06	dBm	INFO
Ref. Frequency	---	---	5526.800	MHz	INFO

Evaluation max. Duty Cycle

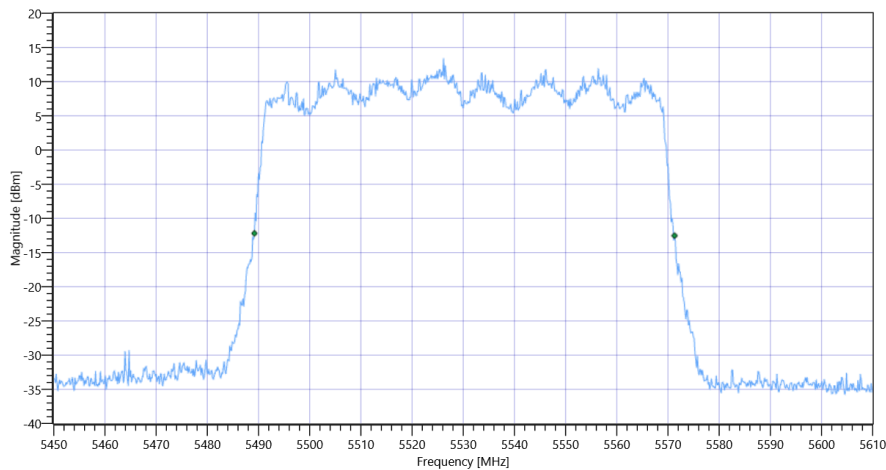
Duty Cycle evaluation

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	---	---	5489.2000	MHz	INFO
T2 26dB	---	---	5571.2800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

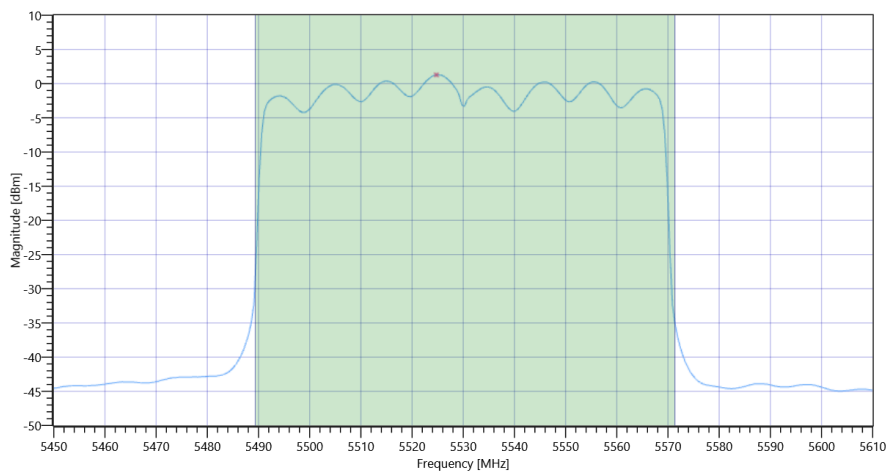
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	22.06   5.47   35
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	---	---	17.44	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.44	dBm	PASS
Limit: 11 dBm + 10 log 82.08					
Max Output Power DC corrected	---	30.14	17.44	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.28	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.28	dBm/1MHz	PASS

# FCC 15.247 # MIMO Power PSD Calculator ~ WLAN5Gx ax-HE80 U-NII-2C

## Test References

TC Start	15.12.2022 10:20:40
Ambit Temp [°C]   Humidity [rel%]	25.8   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	
TC Version	0.0.1
My Description	FCC MIMO_Power_PSD_Calculator - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

## EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

## Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	several
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]	-10
Switched Path	None

## Test Equipment

## Test at TX 5610 MHz

### RESULT Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 Max Output Power DC corrected	--	--	17.6	dBm	INFO
Ant:1 BW 26dB	--	--	81.440	MHz	INFO
Ant:2 Max Output Power DC corrected	--	--	17.22	dBm	INFO
Ant:2 BW 26dB	--	--	82.240	MHz	INFO
Ant:3 Max Output Power DC corrected	--	--	17.68	dBm	INFO
Ant:3 BW 26dB	--	--	81.920	MHz	INFO
Ant:4 Max Output Power DC corrected	--	--	17.43	dBm	INFO
Ant:4 BW 26dB	--	--	81.760	MHz	INFO
Σ Limit absolute	--	24	23.51	dBm	PASS
Σ Limit: 11 dBm + 10 log 81.44	--	30.11	23.51	dBm	PASS

### RESULT PSD

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 PSD	--	--	1.4	dBm/1MHz	INFO
Ant:2 PSD	--	--	0.91	dBm/1MHz	INFO
Ant:3 PSD	--	--	0.17	dBm/1MHz	INFO
Ant:4 PSD	--	--	1.37	dBm/1MHz	INFO
Σ	--	11	7.01	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:19:42
Ambit Temp [°C]   Humidity [rel%]	25.8   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.28	dBm	INFO
Ref. Frequency	---	---	5627.580	MHz	INFO

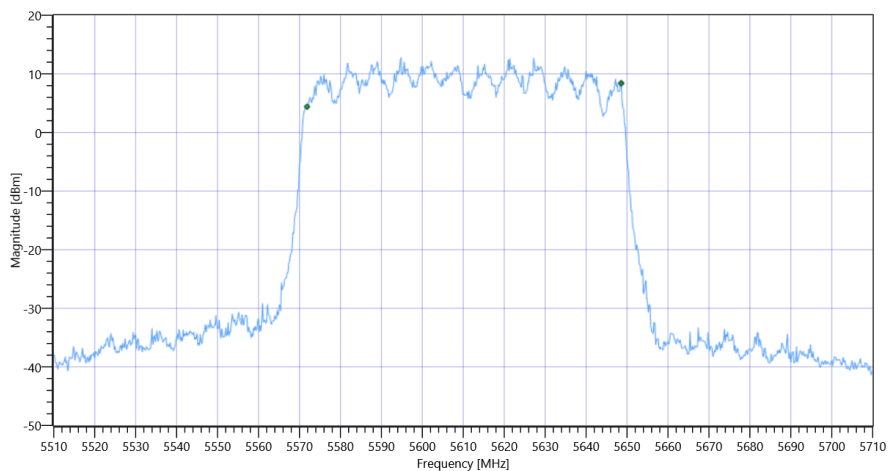
## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.28   5.32   30
Start [MHz]   Stop [MHz]	5510.000   5710.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

## RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.723	MHz	INFO
T1 99%	5470.000000	---	5571.8382	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.5614	MHz	

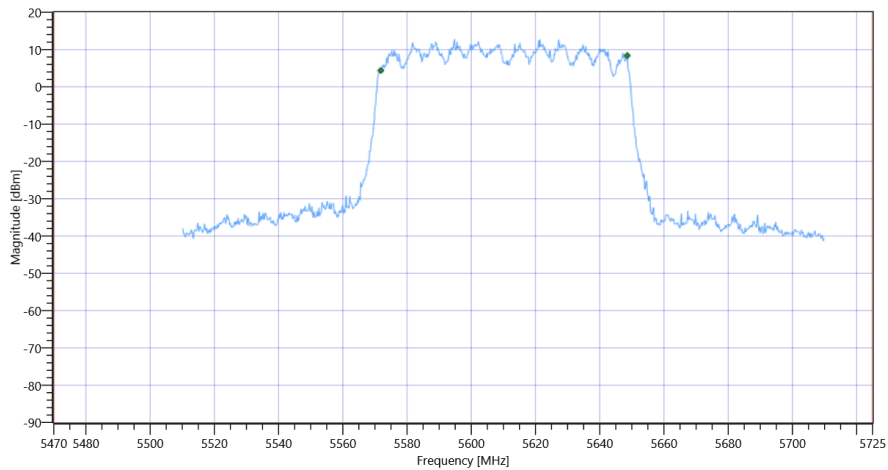
## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

## Plot: Bandwidth within Band



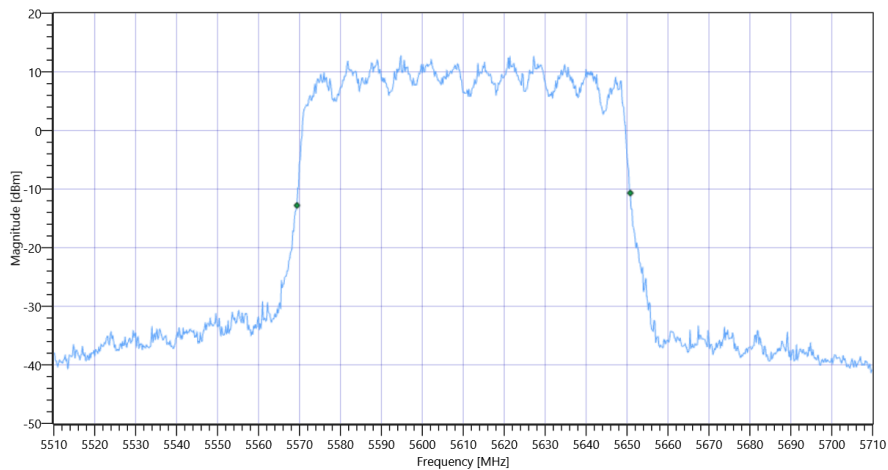


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

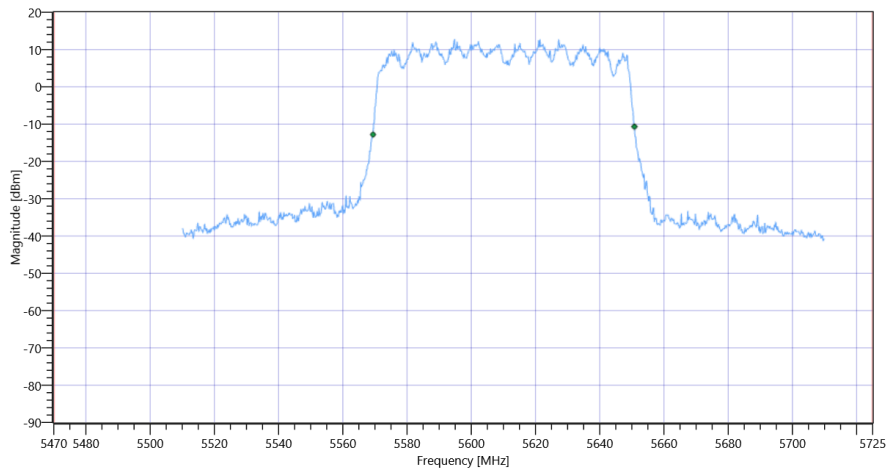
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.4	MHz	INFO
T1 26dB	5470.000000	---	5569.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5650.8000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:17:04
Ambit Temp [°C]   Humidity [rel%]	25.8   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	13.60	dBm	INFO
Ref. Frequency	---	---	5589.220	MHz	INFO

Evaluation max. Duty Cycle

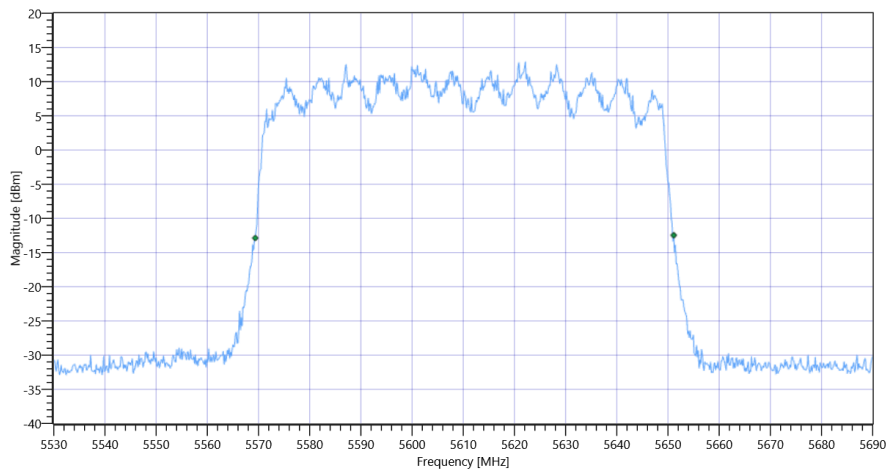
Duty Cycle evaluation

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	---	---	5569.3600	MHz	INFO
T2 26dB	---	---	5651.1200	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

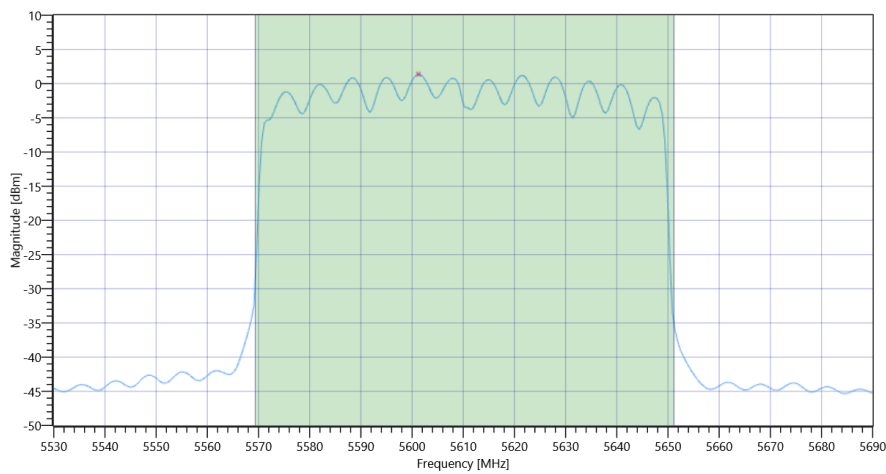
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	25.60   5.32   35
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	---	---	17.43	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.43	dBm	PASS
Limit: 11 dBm + 10 log 81.76					
Max Output Power DC corrected	---	30.13	17.43	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.37	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.37	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:16:05
Ambit Temp [°C]   Humidity [rel%]	25.8   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.02	dBm	INFO
Ref. Frequency	---	---	5612.800	MHz	INFO

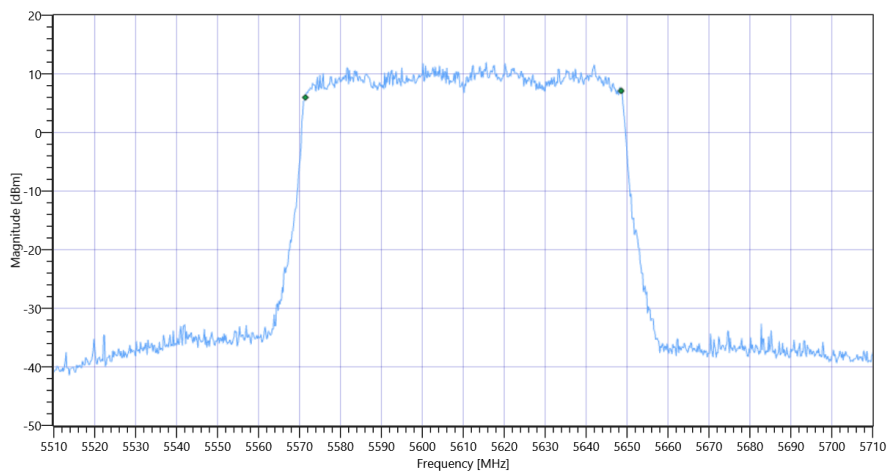
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.02   5.32   30
Start [MHz]   Stop [MHz]	5510.000   5710.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

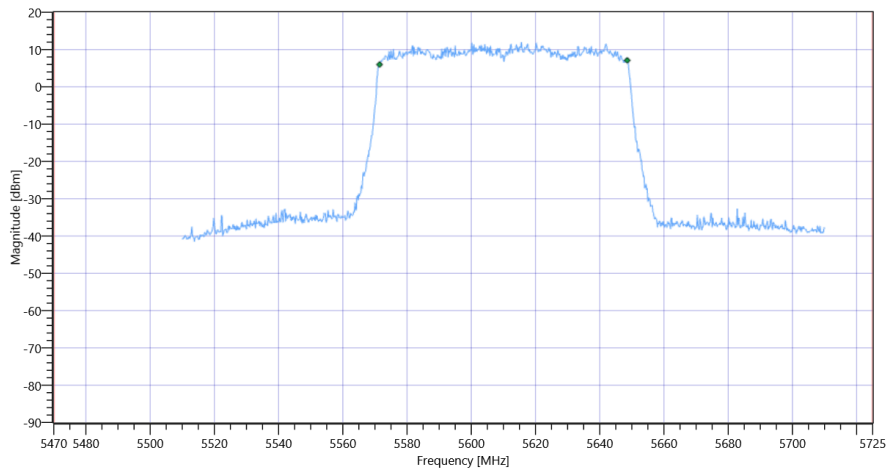
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.123	MHz	INFO
T1 99%	5470.000000	---	5571.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.5614	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

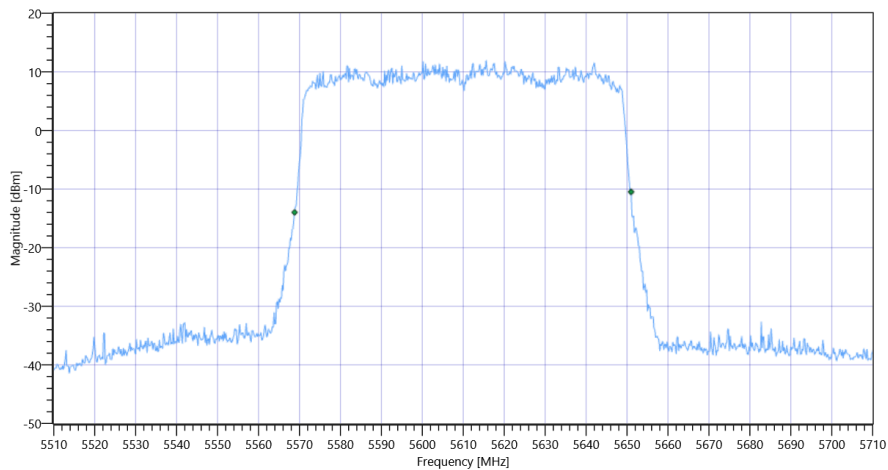


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.2	MHz	INFO
T1 26dB	5470.000000	---	5568.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5651.0000	MHz	

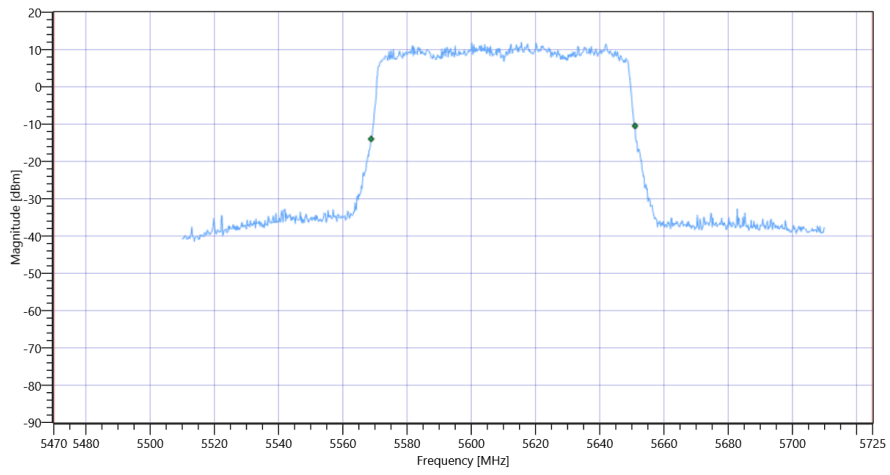
## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band





FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:13:28
Ambit Temp [°C]   Humidity [rel%]	25.7   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	11.06	dBm	INFO
Ref. Frequency	---	---	5642.770	MHz	INFO

Evaluation max. Duty Cycle

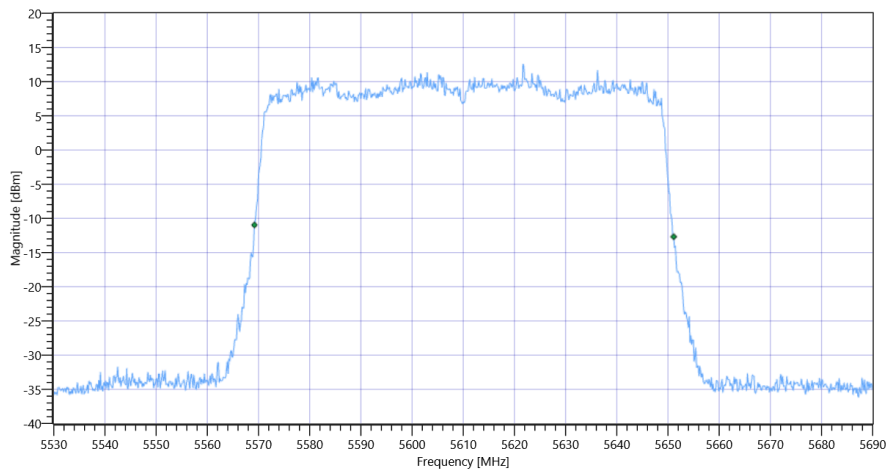
### Duty Cycle evaluation

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	---	---	5569.2000	MHz	INFO
T2 26dB	---	---	5651.1200	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

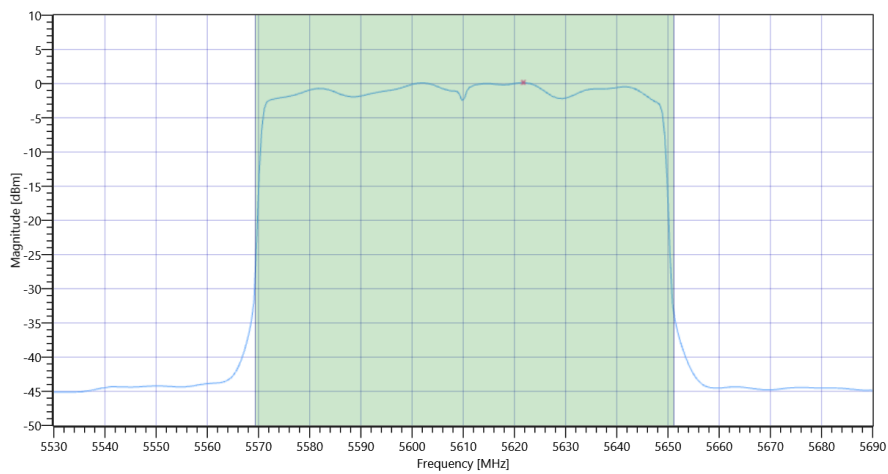
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	23.06   5.32   35
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	---	---	17.68	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.68	dBm	PASS
Limit: 11 dBm + 10 log 81.92					
Max Output Power DC corrected	---	30.13	17.68	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.17	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.17	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:12:29
Ambit Temp [°C]   Humidity [rel%]	25.8   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.78	dBm	INFO
Ref. Frequency	---	---	5614.000	MHz	INFO

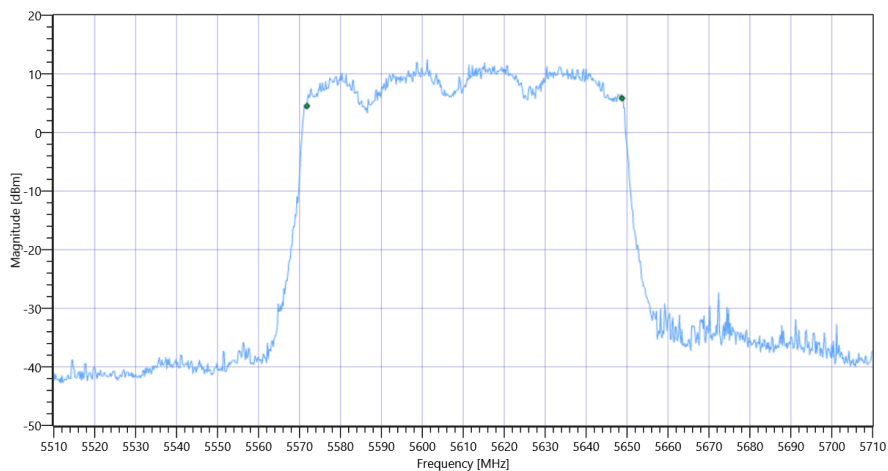
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.78   5.32   30
Start [MHz]   Stop [MHz]	5510.000   5710.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

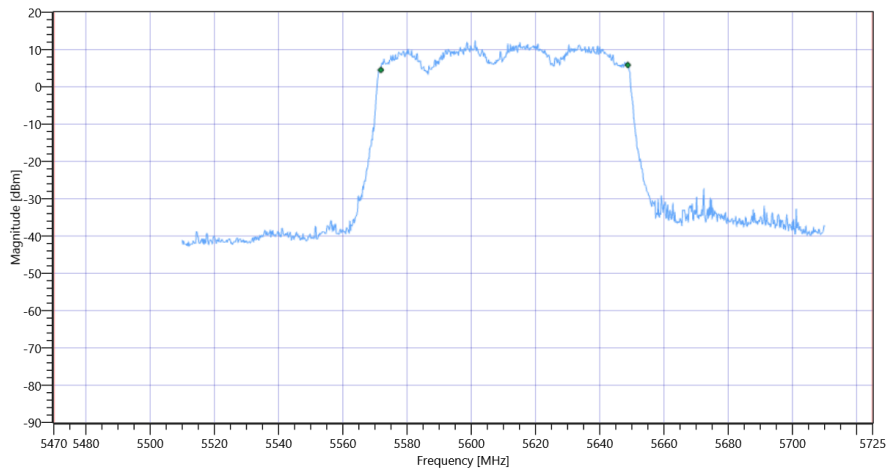
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5470.000000	---	5571.8382	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.7612	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

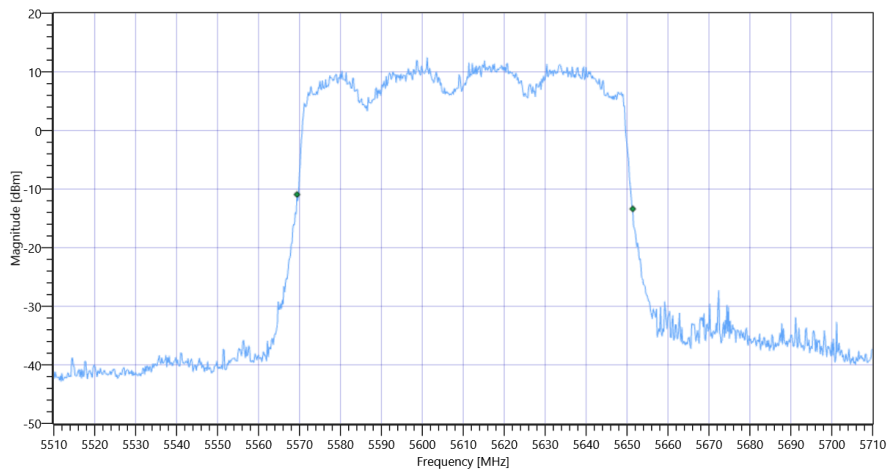


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

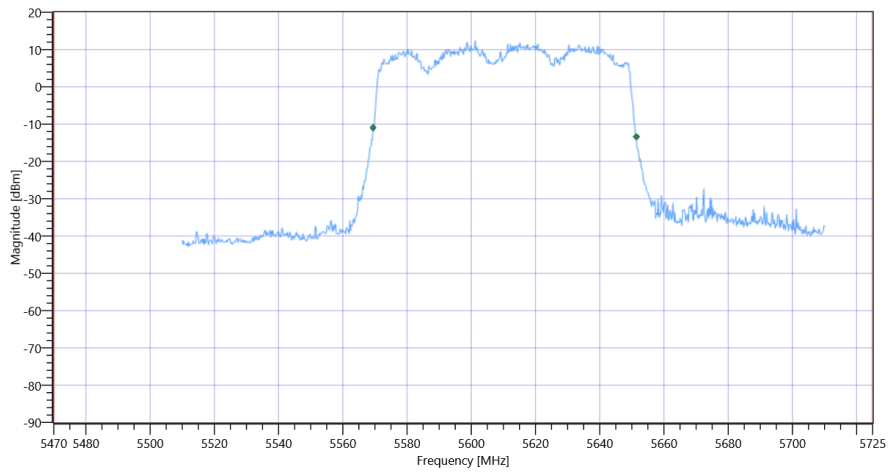
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82	MHz	INFO
T1 26dB	5470.000000	---	5569.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5651.4000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C



## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:09:52
Ambit Temp [°C]   Humidity [rel%]	25.7   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	--	--	11.01	dBm	INFO
Ref. Frequency	--	--	5577.830	MHz	INFO

Evaluation max. Duty Cycle

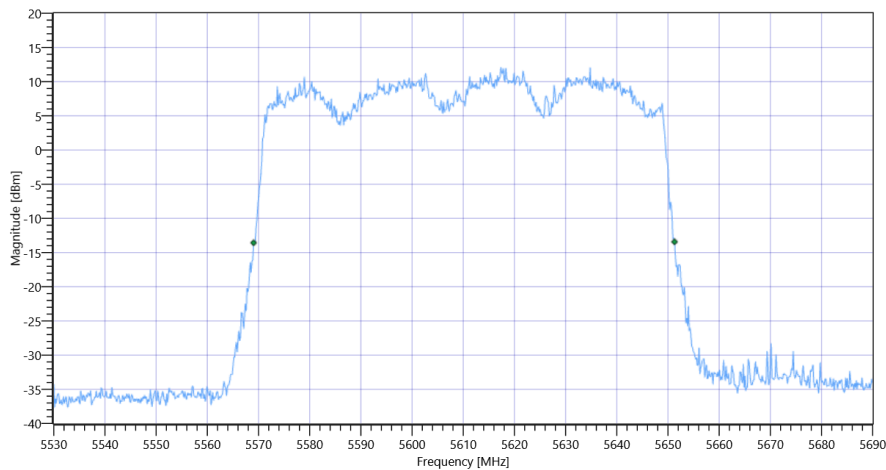
### Duty Cycle evaluation

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	--	--	82.24	MHz	INFO
T1 26dB	--	--	5569.0400	MHz	INFO
T2 26dB	--	--	5651.2800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

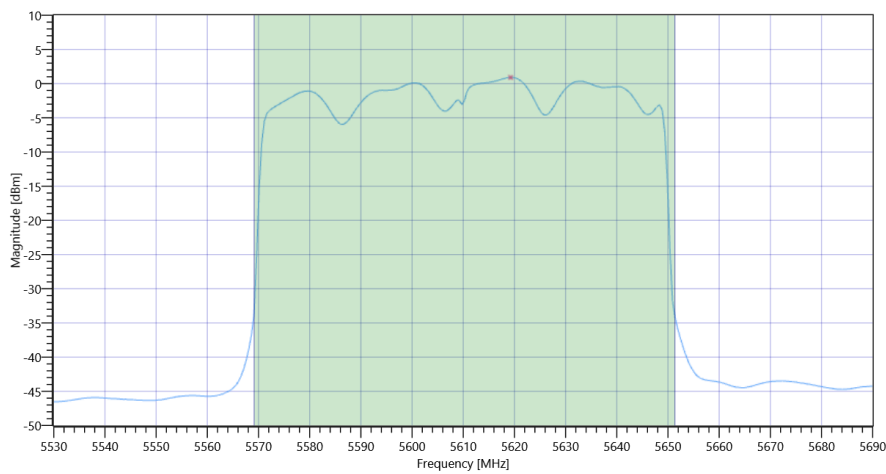
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	23.01   5.32   35
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	--	--	17.22	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	17.22	dBm	PASS
Limit: 11 dBm + 10 log 82.24					
Max Output Power DC corrected	--	30.15	17.22	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	0.91	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	0.91	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:08:53
Ambit Temp [°C]   Humidity [rel%]	25.7   21
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.86	dBm	INFO
Ref. Frequency	---	---	5621.790	MHz	INFO

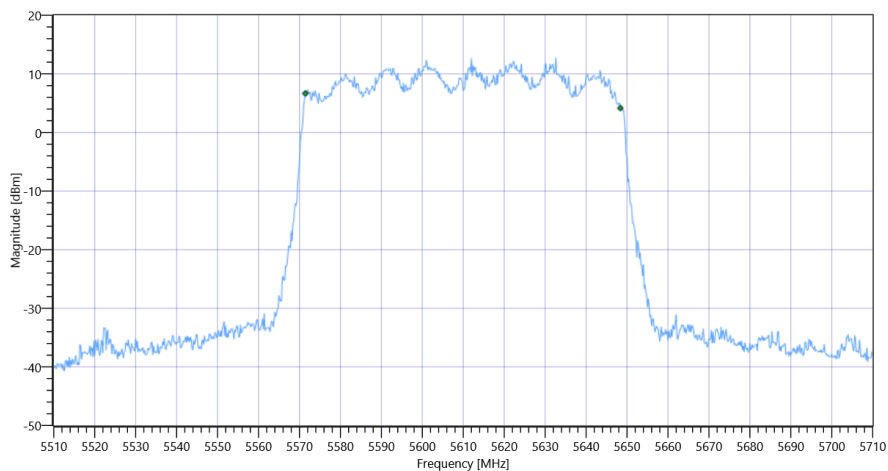
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.86   5.32   30
Start [MHz]   Stop [MHz]	5510.000   5710.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   2500   1001   SWE

### RESULT

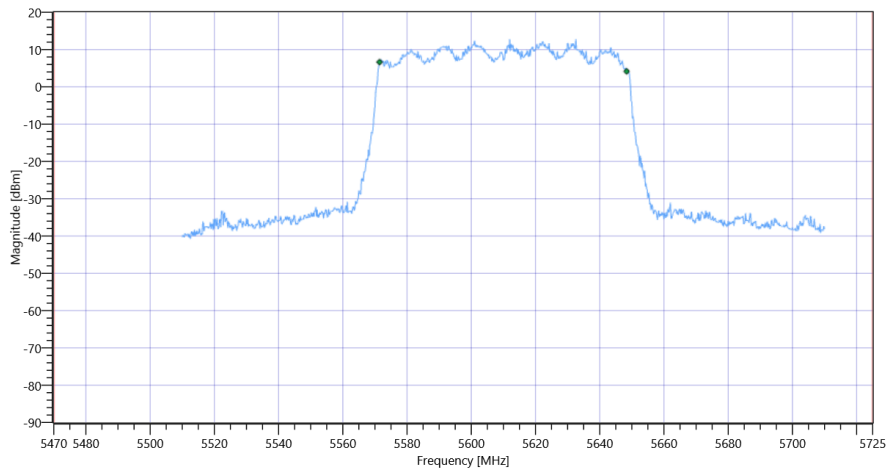
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5470.000000	---	5571.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.3616	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

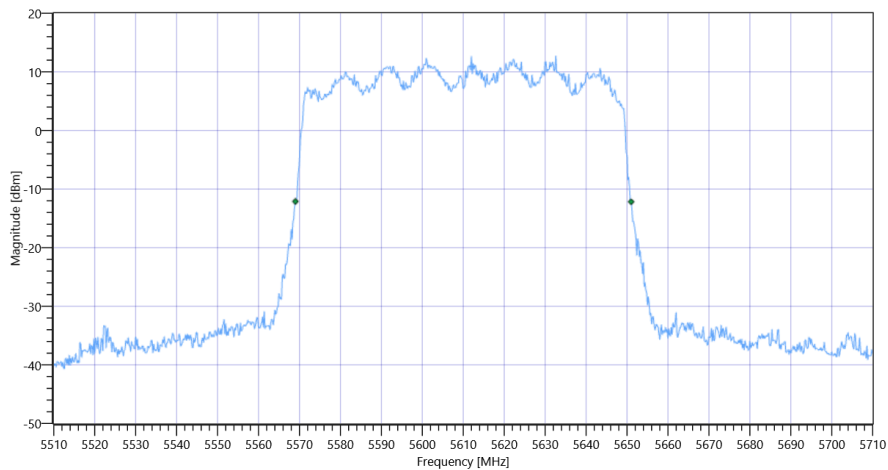


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

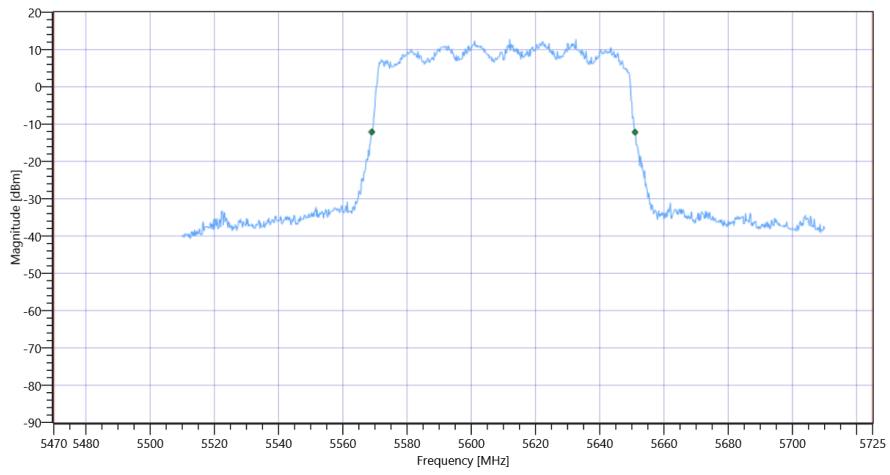
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82	MHz	INFO
T1 26dB	5470.000000	---	5569.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5651.0000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:06:16
Ambit Temp [°C]   Humidity [rel%]	25.7   21
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.	---	---	10.35	dBm	INFO
Ref. Frequency	---	---	5623.190	MHz	INFO

Evaluation max. Duty Cycle

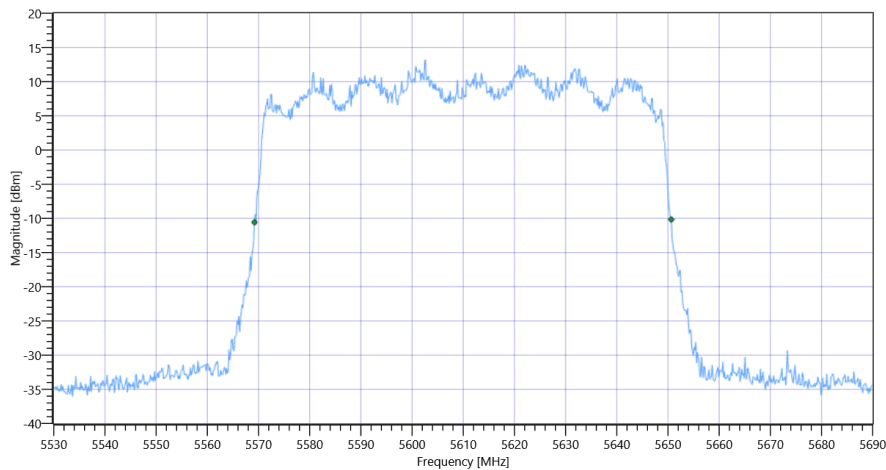
Duty Cycle evaluation

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	---	---	5569.2000	MHz	INFO
T2 26dB	---	---	5650.6400	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

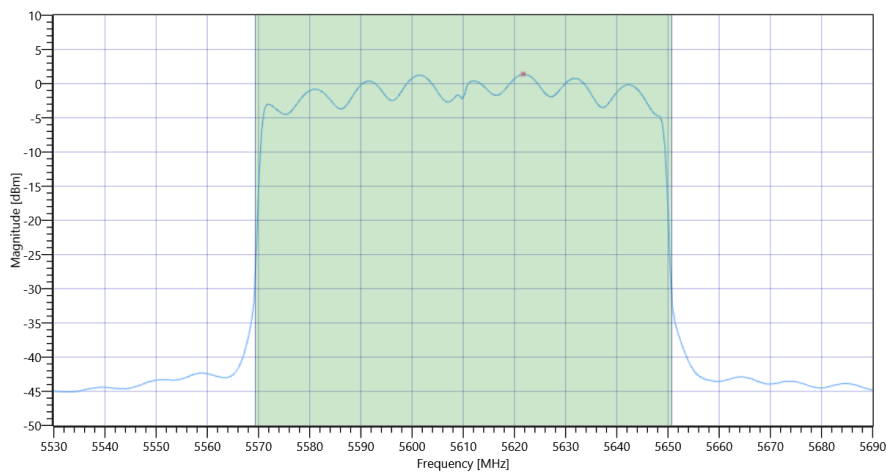
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	22.35   5.32   35
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	--	--	17.6	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	17.6	dBm	PASS
Limit: 11 dBm + 10 log 81.44					
Max Output Power DC corrected	--	30.11	17.6	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	1.4	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	1.4	dBm/1MHz	PASS

## FCC 15.247 # MIMO Power PSD Calculator ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:37:50
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	
TC Version	0.0.1
My Description	FCC MIMO_Power_PSD_Calculator - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	several
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
Switched Path	None

### Test Equipment

## Test at TX 5690 MHz

### RESULT Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 Max Output Power DC corrected	--	--	17.68	dBm	INFO
Ant:1 BW 26dB	--	--	81.760	MHz	INFO
Ant:2 Max Output Power DC corrected	--	--	17.53	dBm	INFO
Ant:2 BW 26dB	--	--	81.280	MHz	INFO
Ant:3 Max Output Power DC corrected	--	--	17.86	dBm	INFO
Ant:3 BW 26dB	--	--	82.720	MHz	INFO
Ant:4 Max Output Power DC corrected	--	--	17.38	dBm	INFO
Ant:4 BW 26dB	--	--	80.960	MHz	INFO
Σ Limit absolute	--	24	23.64	dBm	PASS
Σ Limit: 11 dBm + 10 log 80.96	--	30.08	23.64	dBm	PASS

### RESULT PSD

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 PSD	--	--	1.01	dBm/1MHz	INFO
Ant:2 PSD	--	--	2.27	dBm/1MHz	INFO
Ant:3 PSD	--	--	1.31	dBm/1MHz	INFO
Ant:4 PSD	--	--	1.27	dBm/1MHz	INFO
Σ	--	11	7.51	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:36:51
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.59	dBm	INFO
Ref. Frequency	---	---	5666.620	MHz	INFO

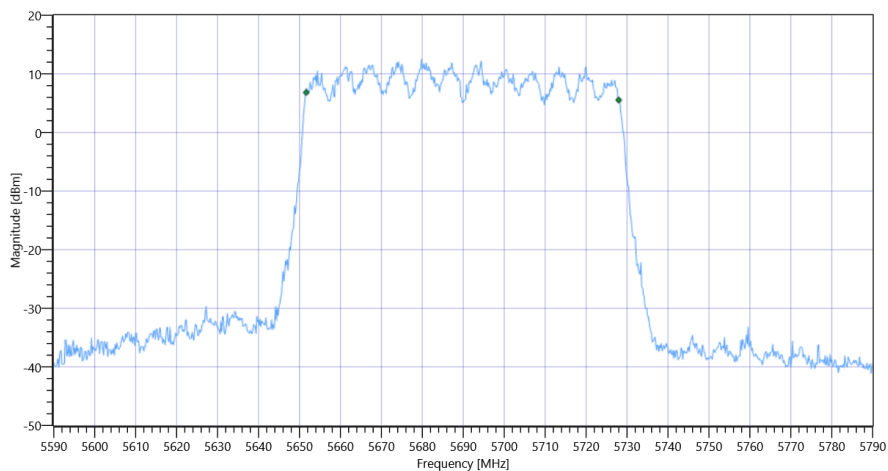
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.59   5.26   30
Start [MHz]   Stop [MHz]	5590.000   5790.000
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

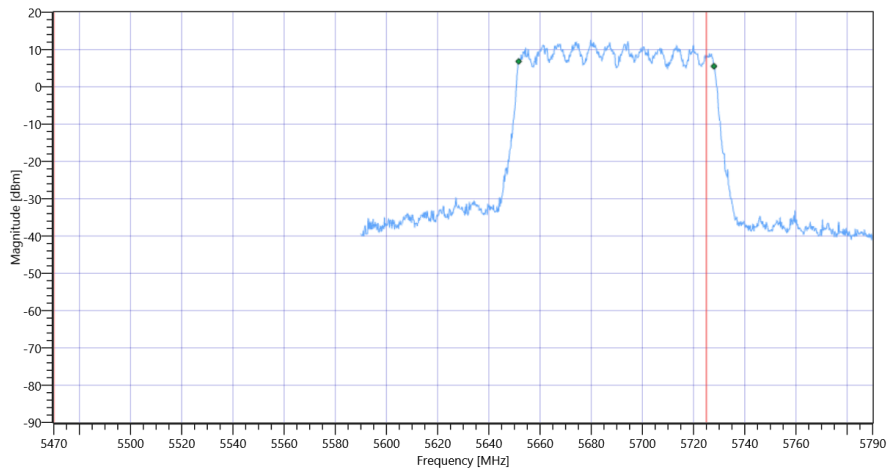
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	76.324	MHz	INFO
T1 99%	5470.000000	---	5651.6384	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5727.9620	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

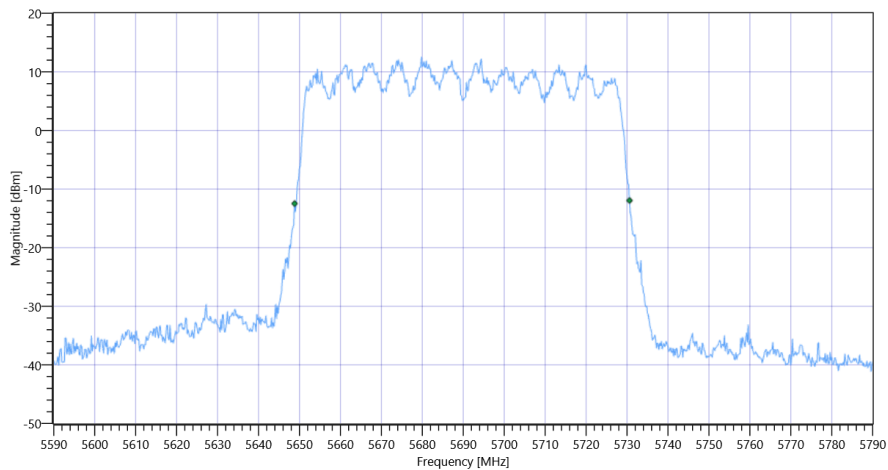


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

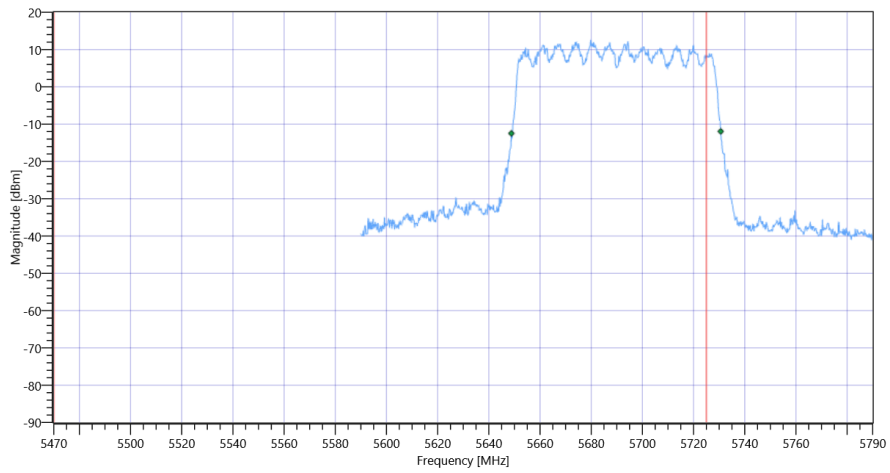
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.8	MHz	INFO
T1 26dB	5470.000000	---	5648.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5730.6000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C



## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:34:16
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	4
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.19	dBm	INFO
Ref. Frequency	---	---	5686.400	MHz	INFO

Evaluation max. Duty Cycle

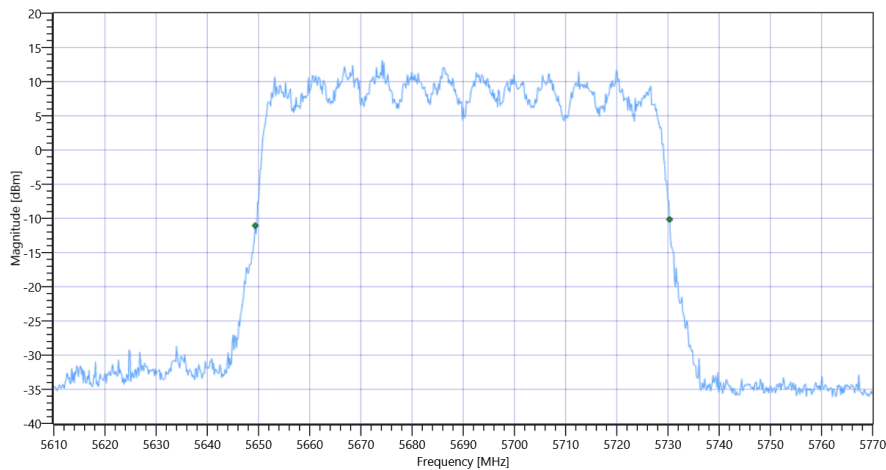
### Duty Cycle evaluation

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	---	---	5649.3600	MHz	INFO
T2 26dB	---	---	5730.3200	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

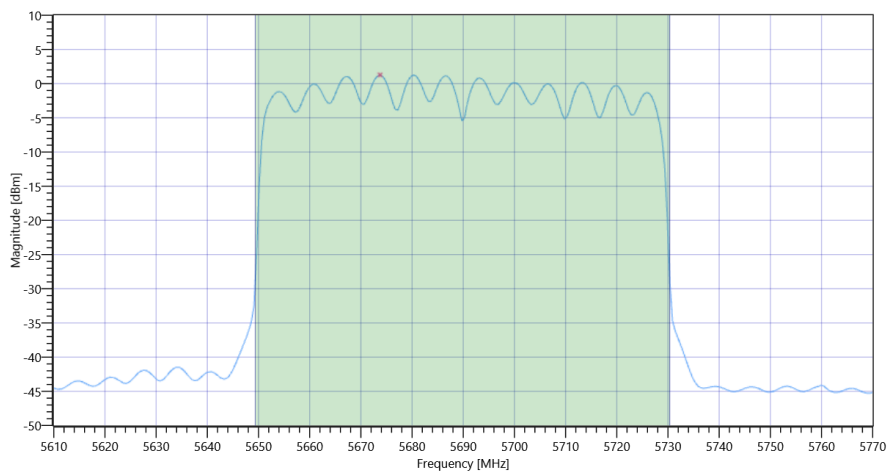
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	23.19   5.26   35
Start [MHz]   Stop [MHz]	5610.000   5770.000
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	---	---	17.38	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.38	dBm	PASS
Limit: 11 dBm + 10 log 80.96					
Max Output Power DC corrected	---	30.08	17.38	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.27	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.27	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:33:17
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.97	dBm	INFO
Ref. Frequency	---	---	5711.380	MHz	INFO

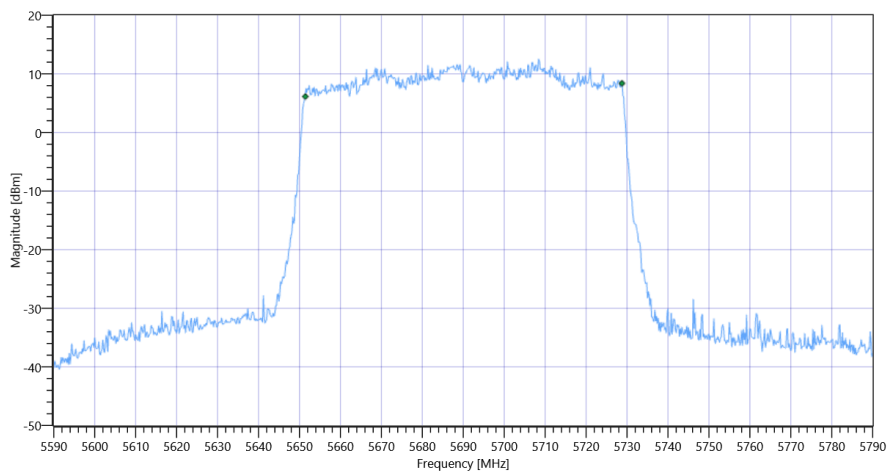
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.97   5.26   30
Start [MHz]   Stop [MHz]	5590.000   5790.000
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

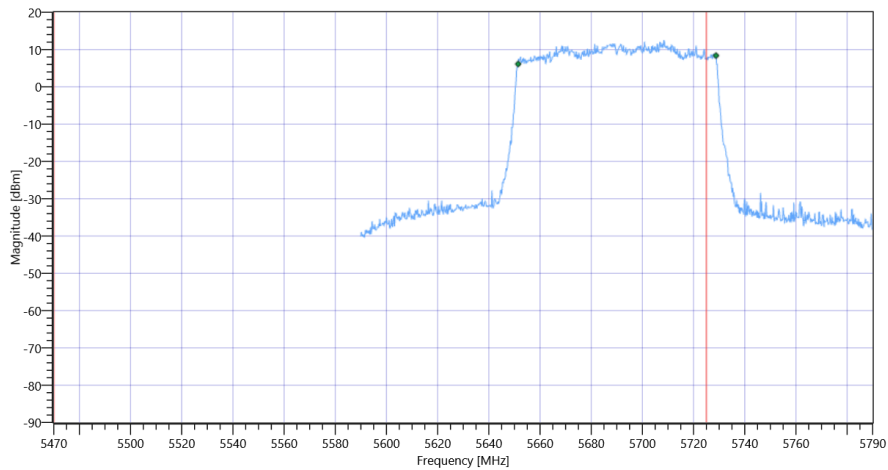
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.323	MHz	INFO
T1 99%	5470.000000	---	5651.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5728.7612	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

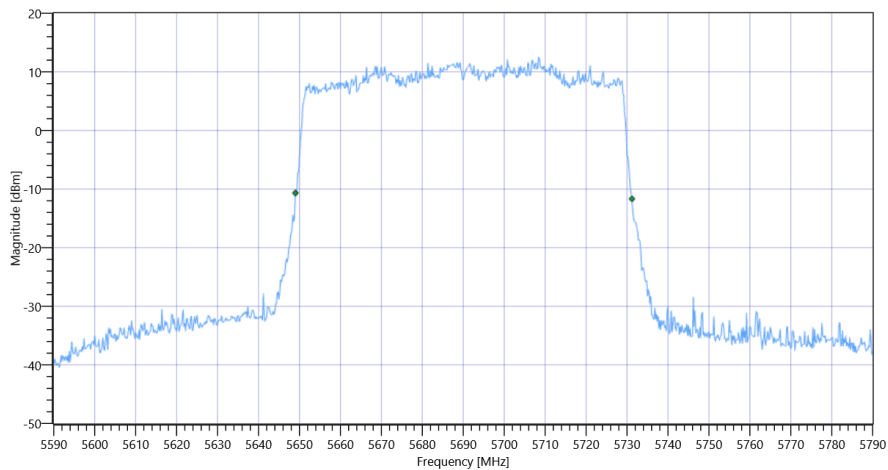


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

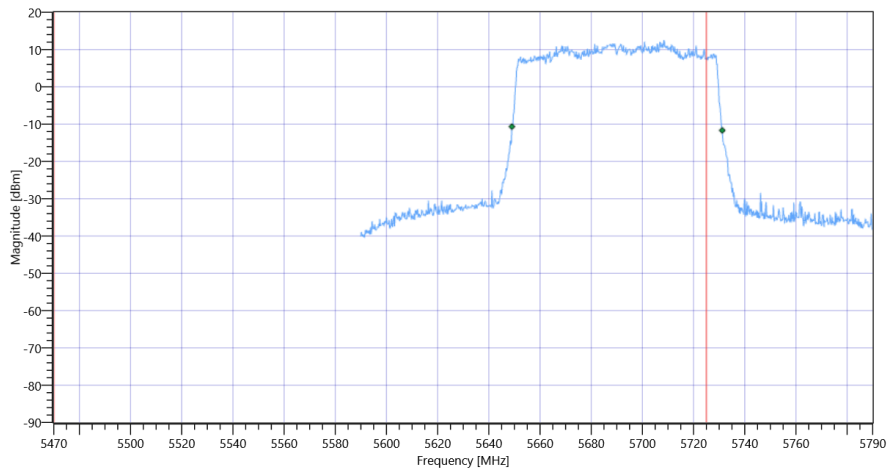
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.2	MHz	INFO
T1 26dB	5470.000000	---	5649.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5731.2000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:30:43
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	3
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.33	dBm	INFO
Ref. Frequency	---	---	5689.400	MHz	INFO

Evaluation max. Duty Cycle

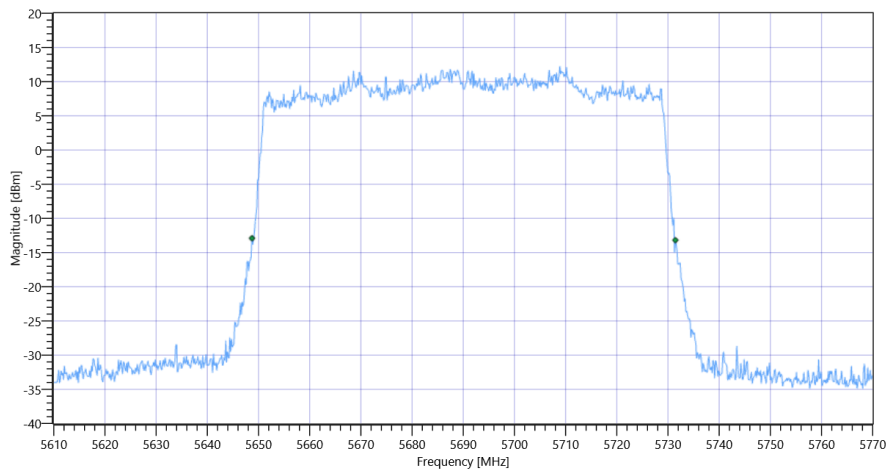
### Duty Cycle evaluation

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	---	---	82.72	MHz	INFO
T1 26dB	---	---	5648.7200	MHz	INFO
T2 26dB	---	---	5731.4400	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

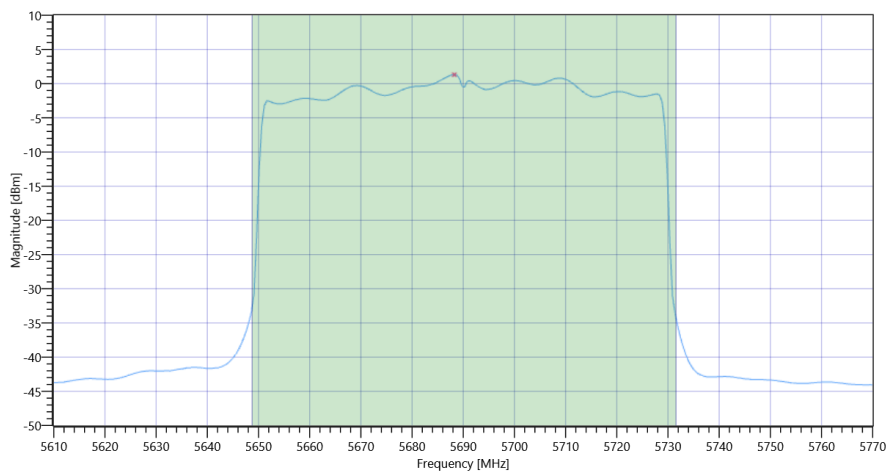
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	22.33   5.26   35
Start [MHz]   Stop [MHz]	5610.000   5770.000
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	---	---	17.86	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.86	dBm	PASS
Limit: 11 dBm + 10 log 82.72					
Max Output Power DC corrected	---	30.18	17.86	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.31	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.31	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:29:45
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.73	dBm	INFO
Ref. Frequency	---	---	5694.800	MHz	INFO

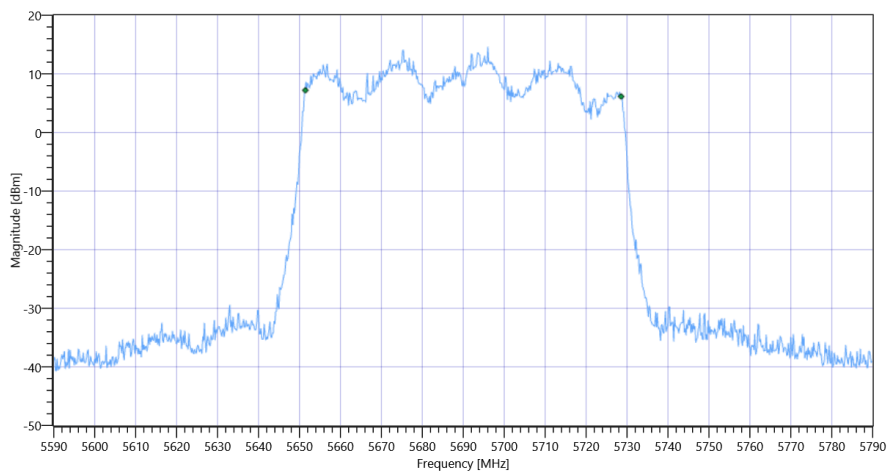
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	19.73   5.26   30
Start [MHz]   Stop [MHz]	5590.000   5790.000
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

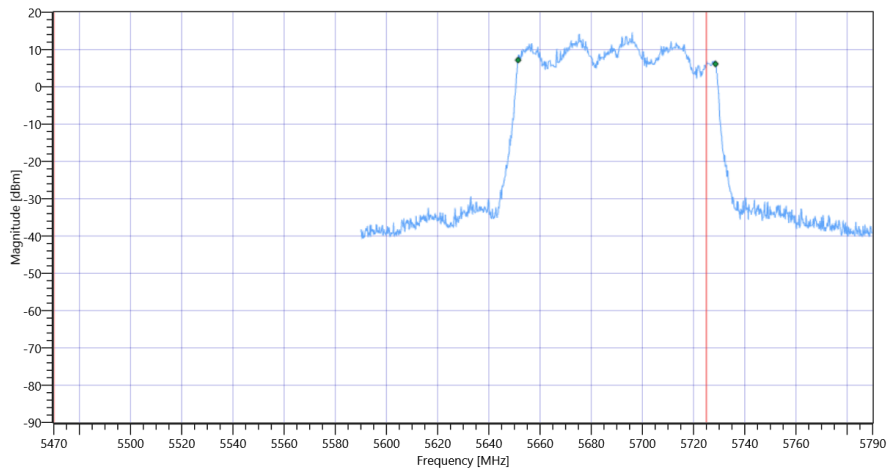
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.123	MHz	INFO
T1 99%	5470.000000	---	5651.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5728.5614	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

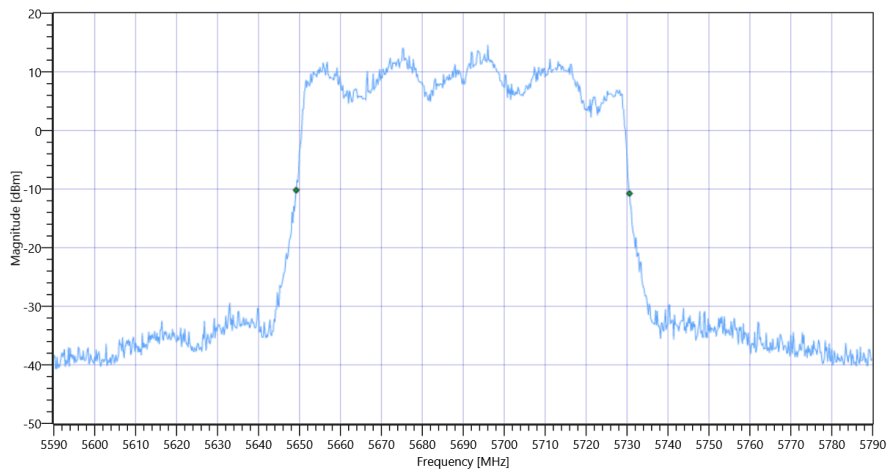


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

**RESULT**

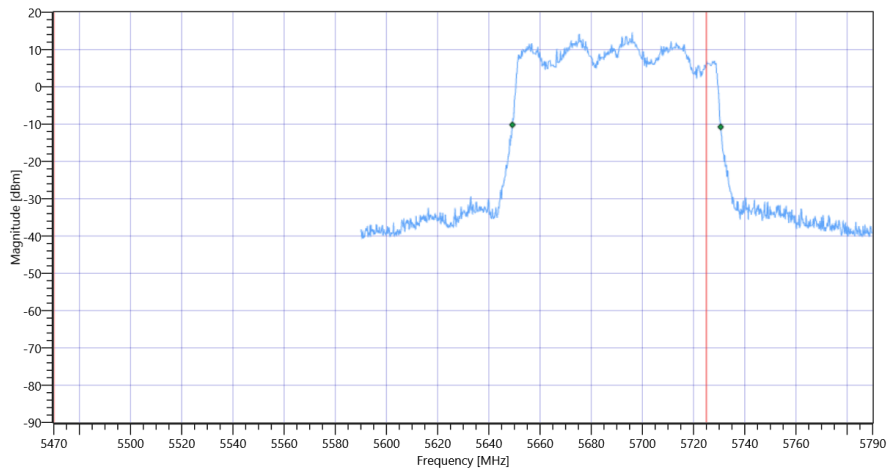
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.4	MHz	INFO
T1 26dB	5470.000000	---	5649.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5730.6000	MHz	

**Plot: Bandwidth only**



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

**Plot: Bandwidth within Band**



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:27:12
Ambit Temp [°C]   Humidity [rel%]	25.9   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.84	dBm	INFO
Ref. Frequency	---	---	5695.000	MHz	INFO

Evaluation max. Duty Cycle

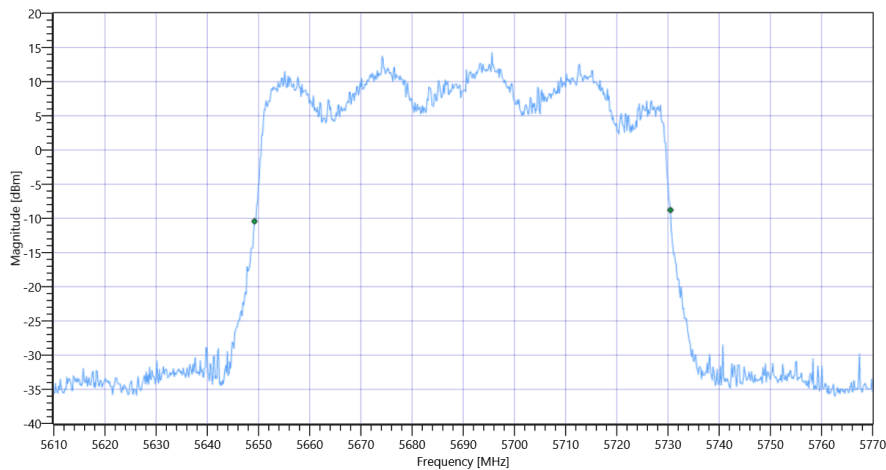
Duty Cycle evaluation

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	---	---	81.28	MHz	INFO
T1 26dB	---	---	5649.2000	MHz	INFO
T2 26dB	---	---	5730.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

Maximum Output Power

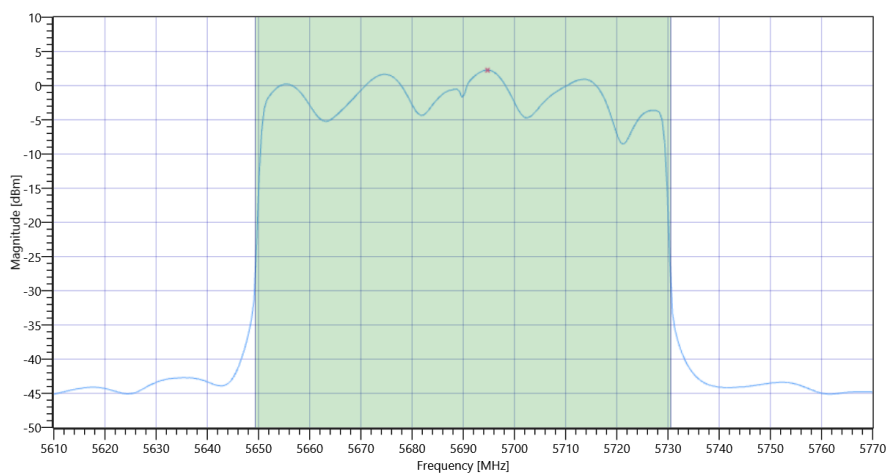
READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	23.84   5.26   35
Start [MHz]   Stop [MHz]	5610.000   5770.000
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	--	--	17.53	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	17.53	dBm	PASS
Limit: 11 dBm + 10 log 81.28					
Max Output Power DC corrected	--	30.1	17.53	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

**Power Spectral Density**

**RESULT**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	2.27	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	2.27	dBm/1MHz	PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:26:14
Ambit Temp [°C]   Humidity [rel%]	25.8   20
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.98	dBm	INFO
Ref. Frequency	---	---	5677.610	MHz	INFO

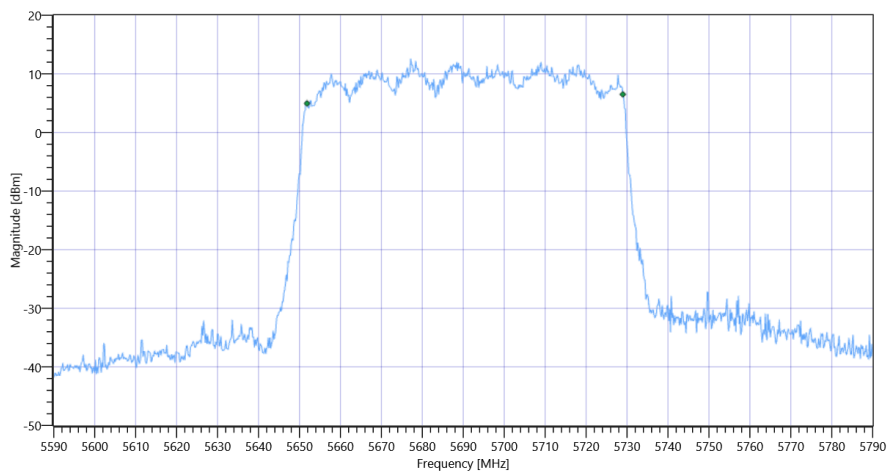
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.98   5.26   30
Start [MHz]   Stop [MHz]	5590.000   5790.000
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

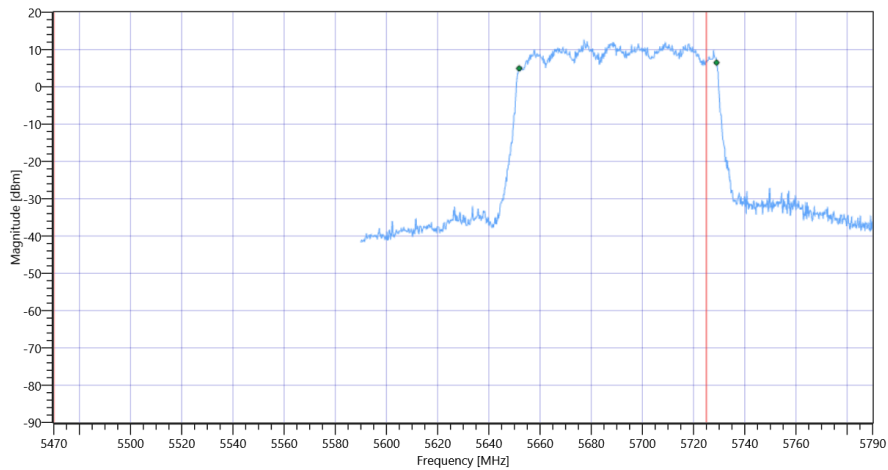
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.123	MHz	INFO
T1 99%	5470.000000	---	5651.8382	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5728.9610	MHz	

### Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 99PCT

### Plot: Bandwidth within Band

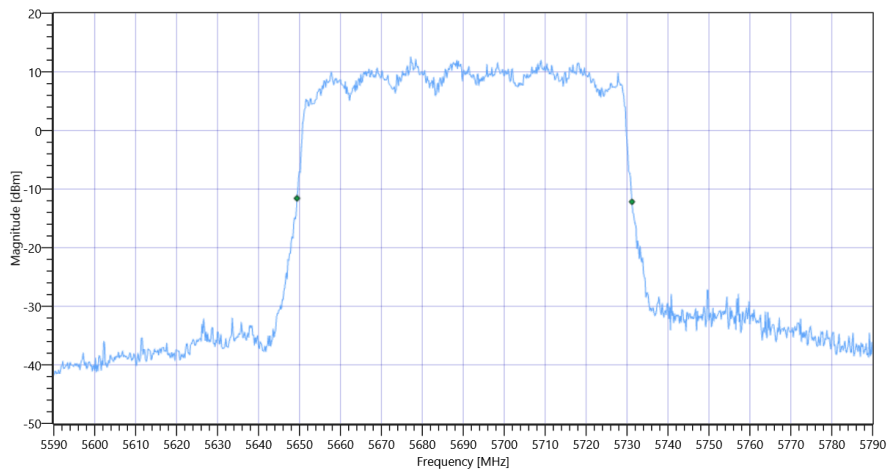


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## RESULT

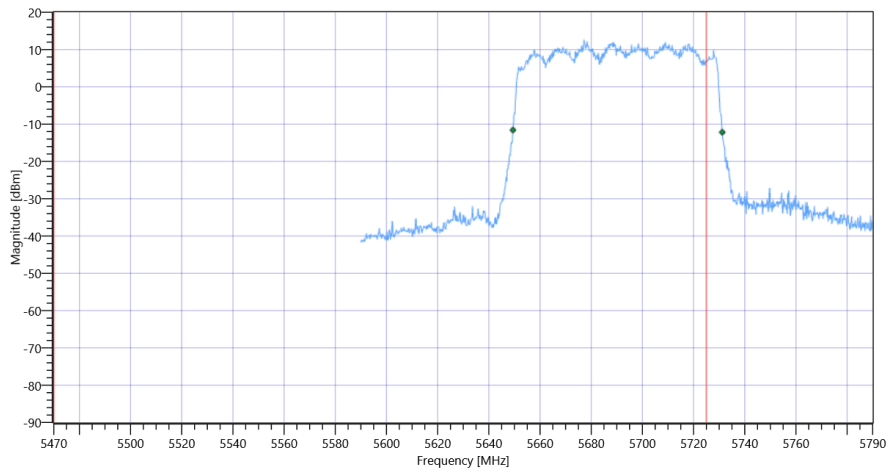
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	81.8	MHz	INFO
T1 26dB	5470.000000	---	5649.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5731.2000	MHz	

## Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C 26dB

## Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-2C

## FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

### Test References

TC Start	15.12.2022 10:23:40
Ambit Temp [°C]   Humidity [rel%]	25.8   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	KDB789033 D02, F, E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5530
Frequency mid to test	False   Freq [MHz] 5610
Frequency high to test	True   Freq [MHz] 5690
Auto Control enabled Power Supply   Climatic Box	No   No
Additional Path Loss [dB]	-10
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 5690 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.49	dBm	INFO
Ref. Frequency	---	---	5708.780	MHz	INFO

Evaluation max. Duty Cycle

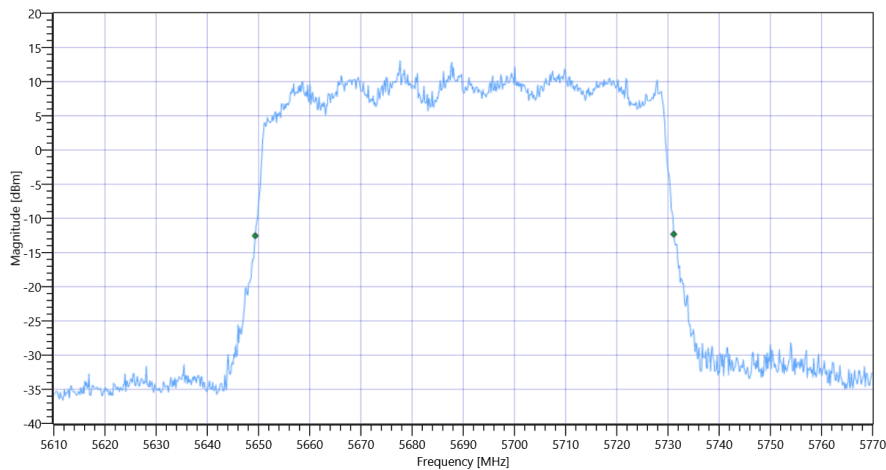
### Duty Cycle evaluation

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	---	---	5649.3600	MHz	INFO
T2 26dB	---	---	5731.1200	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C\_BW

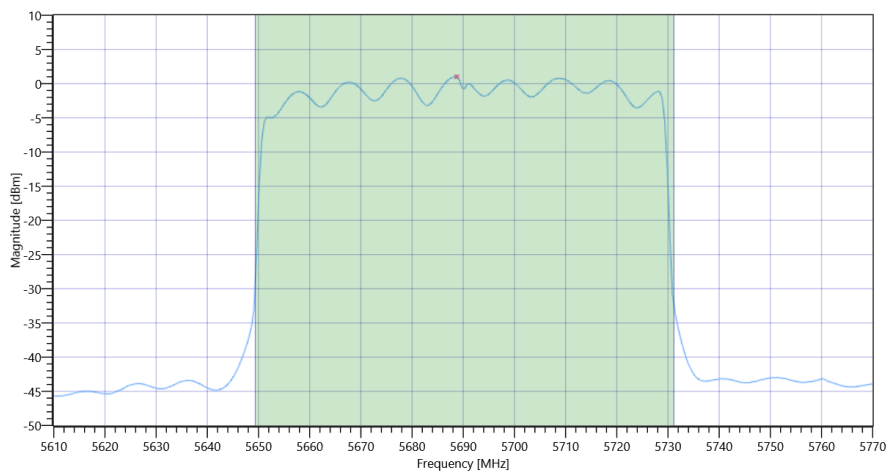
Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	23.49   5.26   35
Start [MHz]   Stop [MHz]	5610.000   5770.000
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	---	---	17.68	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	17.68	dBm	PASS
Limit: 11 dBm + 10 log 81.76					
Max Output Power DC corrected	---	30.13	17.68	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.01	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.01	dBm/1MHz	PASS



## FCC 15.247 # MIMO Power PSD Calculator ~ WLAN5Gx ax-HE80 U-NII-3

### Test References

TC Start	15.12.2022 11:04:06
Ambit Temp [°C]   Humidity [rel%]	26.0   20
System Version	3.3.3.0
Test Specification	FCC 15.247 -
Test Method	
TC Version	0.0.1
My Description	FCC MIMO_Power_PSD_Calculator - WLAN5Gx ax-HE80 U-NII-3
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	several
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]	-10
Switched Path	None

### Test Equipment

## Test at TX 5775 MHz

### RESULT Power

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 Max Output Power DC corrected	--	--	23.01	dBm	INFO
Ant:1 BW 26dB	--	--	136.960	MHz	INFO
Ant:2 Max Output Power DC corrected	--	--	23.22	dBm	INFO
Ant:2 BW 26dB	--	--	127.360	MHz	INFO
Ant:3 Max Output Power DC corrected	--	--	23.95	dBm	INFO
Ant:3 BW 26dB	--	--	135.840	MHz	INFO
Ant:4 Max Output Power DC corrected	--	--	22.86	dBm	INFO
Ant:4 BW 26dB	--	--	85.600	MHz	INFO
Σ Limit absolute	--	30	29.3	dBm	PASS
Σ Limit: 11 dBm + 10 log 85.6	--	30.32	29.3	dBm	na

### RESULT PSD

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ant:1 PSD	--	--	3.53	dBm/0.5MHz	INFO
Ant:2 PSD	--	--	3.32	dBm/0.5MHz	INFO
Ant:3 PSD	--	--	3.83	dBm/0.5MHz	INFO
Ant:4 PSD	--	--	3.79	dBm/0.5MHz	INFO
Σ	--	30	9.64	dBm/0.5MHz	PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE80 U-NII-3

### Test References

TC Start	15.12.2022 11:03:33
Ambit Temp [°C]   Humidity [rel%]	26.0   20
System Version	3.3.3.0
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ax-HE80 U-NII-3
Add. Information	

### EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	AP indoor
Limit W52 Japan	Standard

### Test Parameter

Technology to test	WLAN5Gx ax-HE80
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]	-10
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.

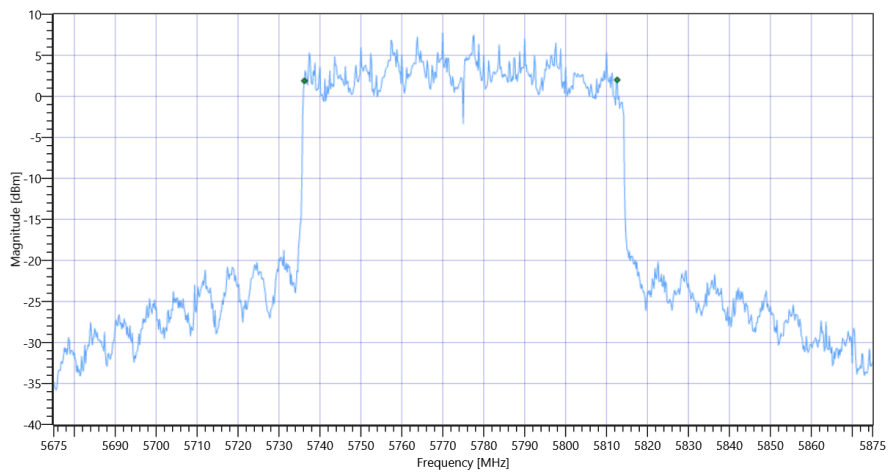
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.59	dBm	INFO
Ref. Frequency	---	---	5796.180	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	27.59   5.42   40
Start [MHz]   Stop [MHz]	5675.000   5875.000
RBW [MHz]   VBW [MHz]	0.100000   0.300000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

### RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	76.4	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE80 U-NII-3