Measurement Results

No.1-5761/23-01-05_Annex_MR_9

Test logging

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FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE80 U-NII-3 104
FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-3 106
FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3 110
FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE80 U-NII-3 115
FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-3 117
FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3 121

EUT Information

EUT DEFINITION

Manufacturer	Sagemcom
Type	Video Soundbox
Serial Number	Config#1 (conducted)
Setup Number	1.0
Version SW	NI
Version FW	NI
Version HW	M393 AL VSB-3
Comment 1	
Comment 2	
Temperature [°C] Min	0
Temperature [°C] Nom	20
Temperature [°C] Max	40
Voltage [V] Min	103.5 V AC
Voltage [V] Nom	115 V AC
Voltage [V] Max	126.5 V AC

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

Test References

TC Start	13.02.2023 16:56:55
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
Switched Path	None

Test Equipment

Test at TX 5690 MHz

RESULT Power

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:2 Max Output Power DC corrected	---	---	19.83	dBm	INFO
Ant:2 BW 26dB	---	---	81.120	MHz	INFO
Ant:1 Max Output Power DC corrected	---	---	19.97	dBm	INFO
Ant:1 BW 26dB	---	---	91.840	MHz	INFO
∑ Limit absolute	---	24	22.91	dBm	PASS
∑ Limit: 11 dBm + 10 log 81.12	---	30.09	22.91	dBm	PASS

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:2 PSD	---	---	2.28	dBm/1MHz	INFO
Ant:1 PSD	---	---	2.39	dBm/1MHz	INFO
∑	---	11	5.35	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:56:19
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

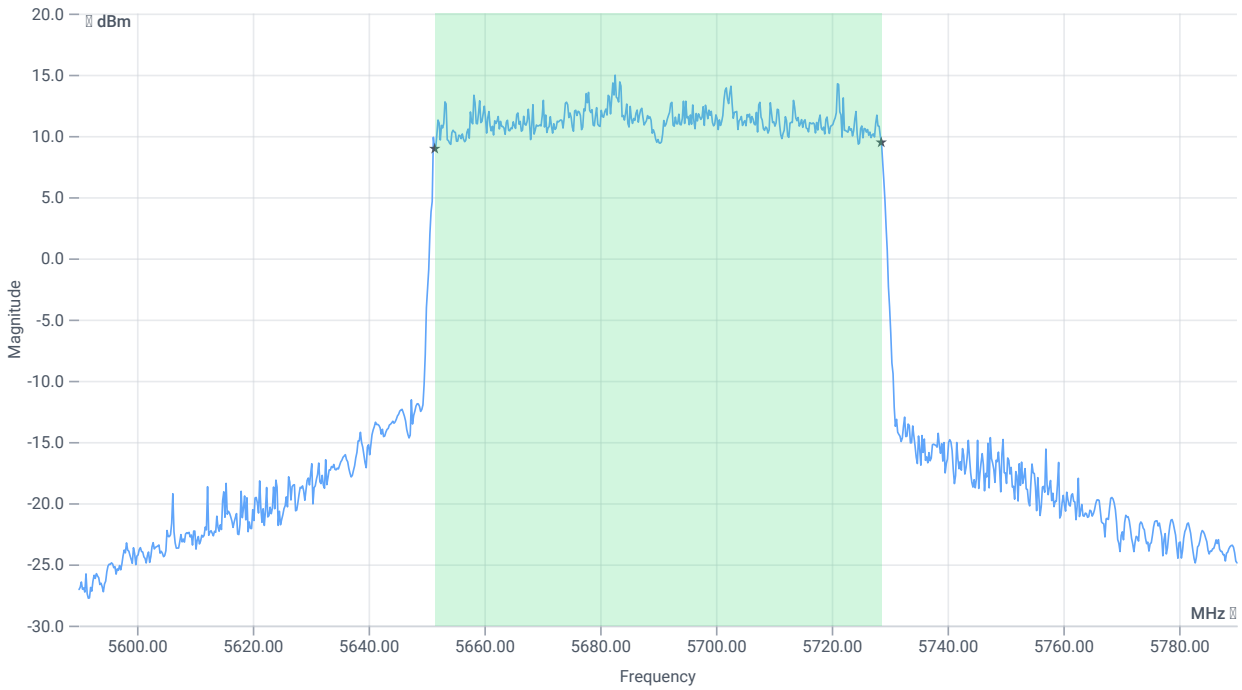
Test at TX 5690 MHz

RESULT: Reference Power cond.

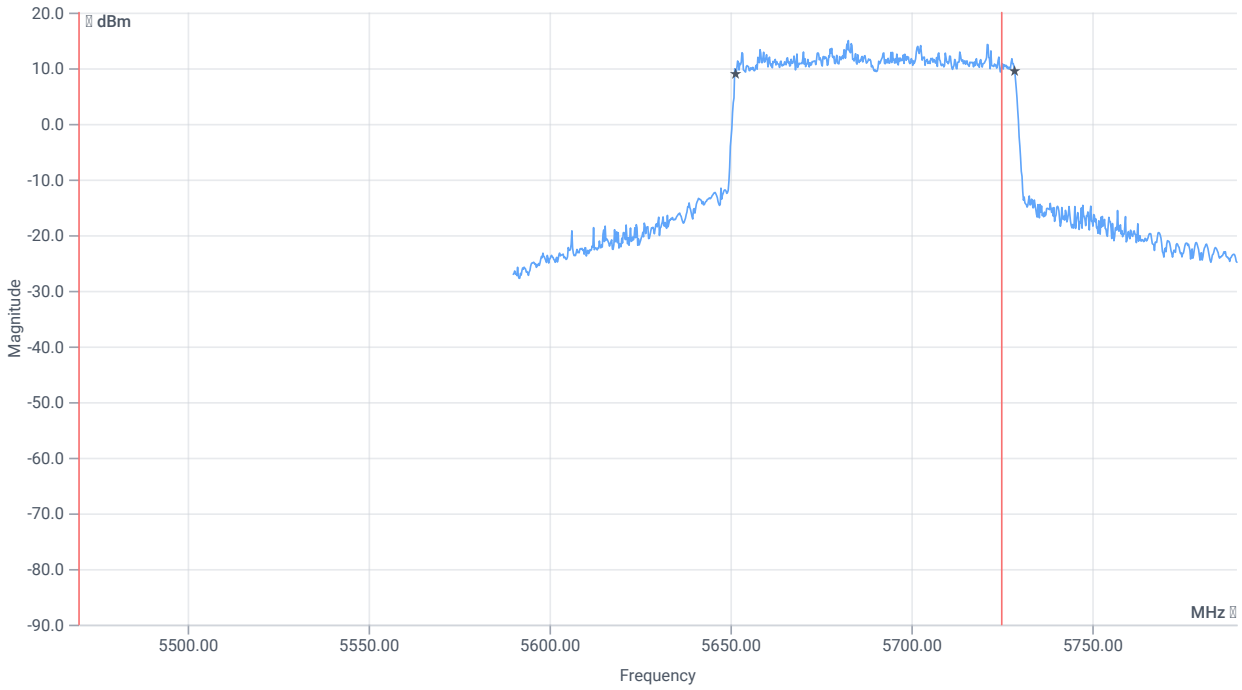
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	13.28	dBm	INFO
Ref. Frequency	---	---	5701.390	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.28 | 16.66 | 20
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



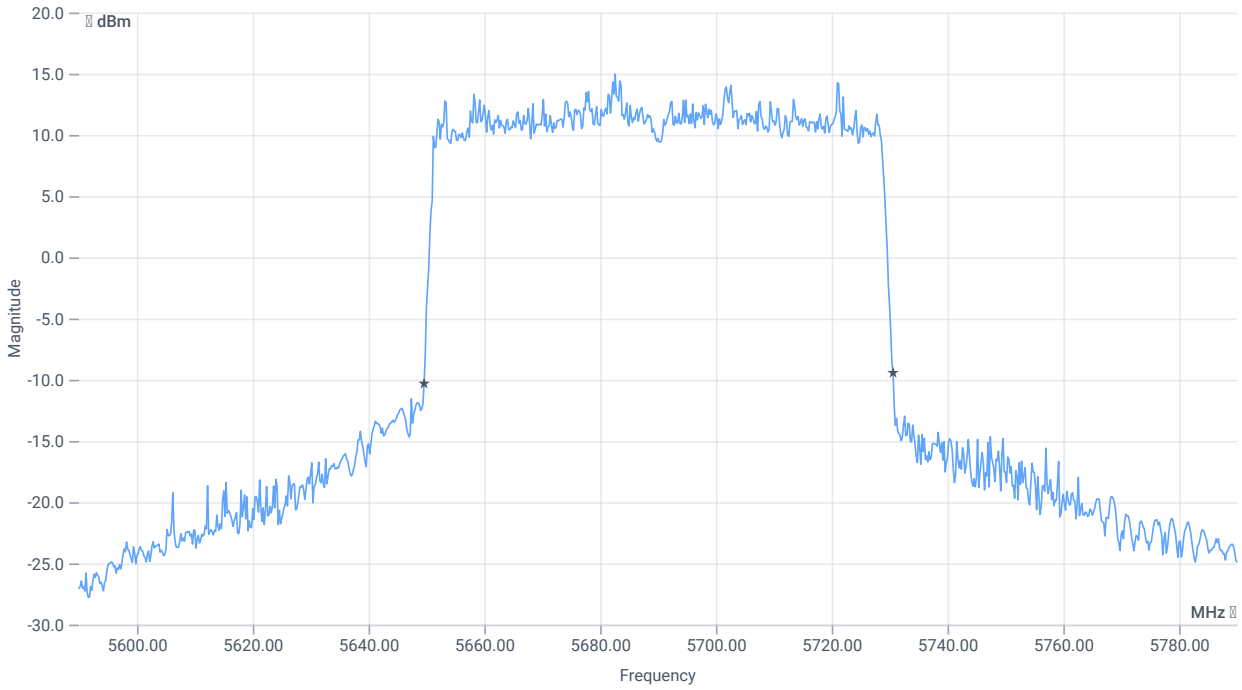
BW 99PCT



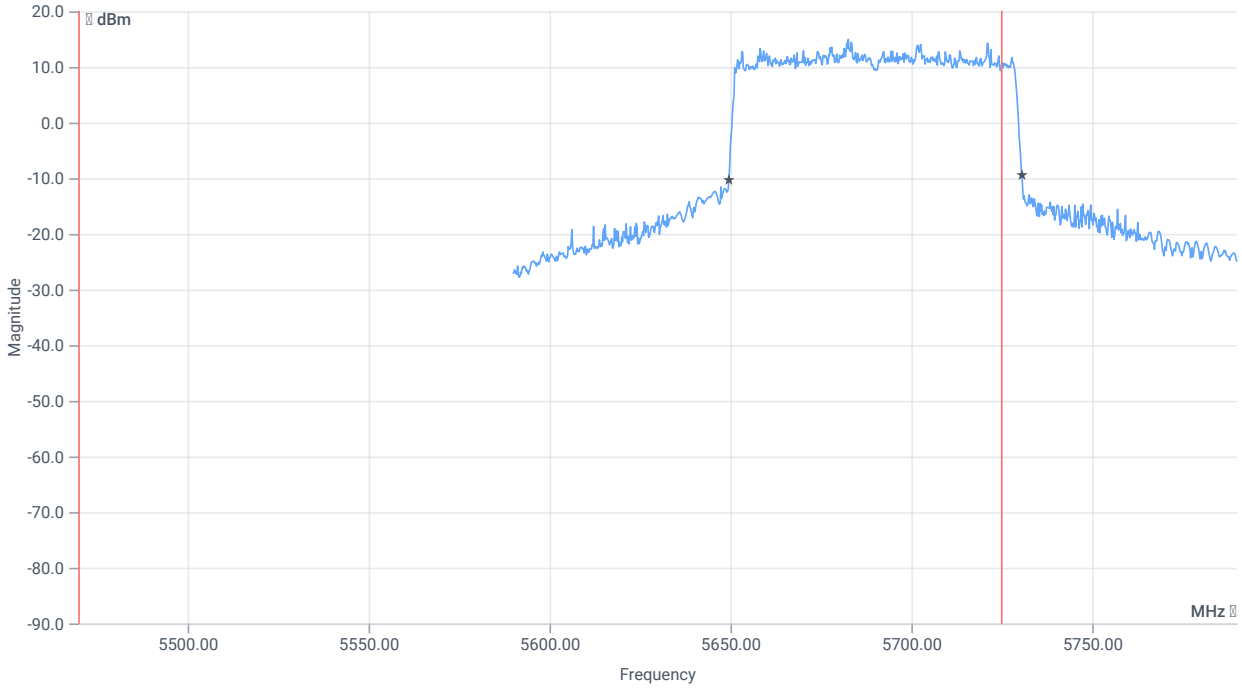
BW within Band 99PCT

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	



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5470.000000	---	5649.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5730.6000	MHz	

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:53:55
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

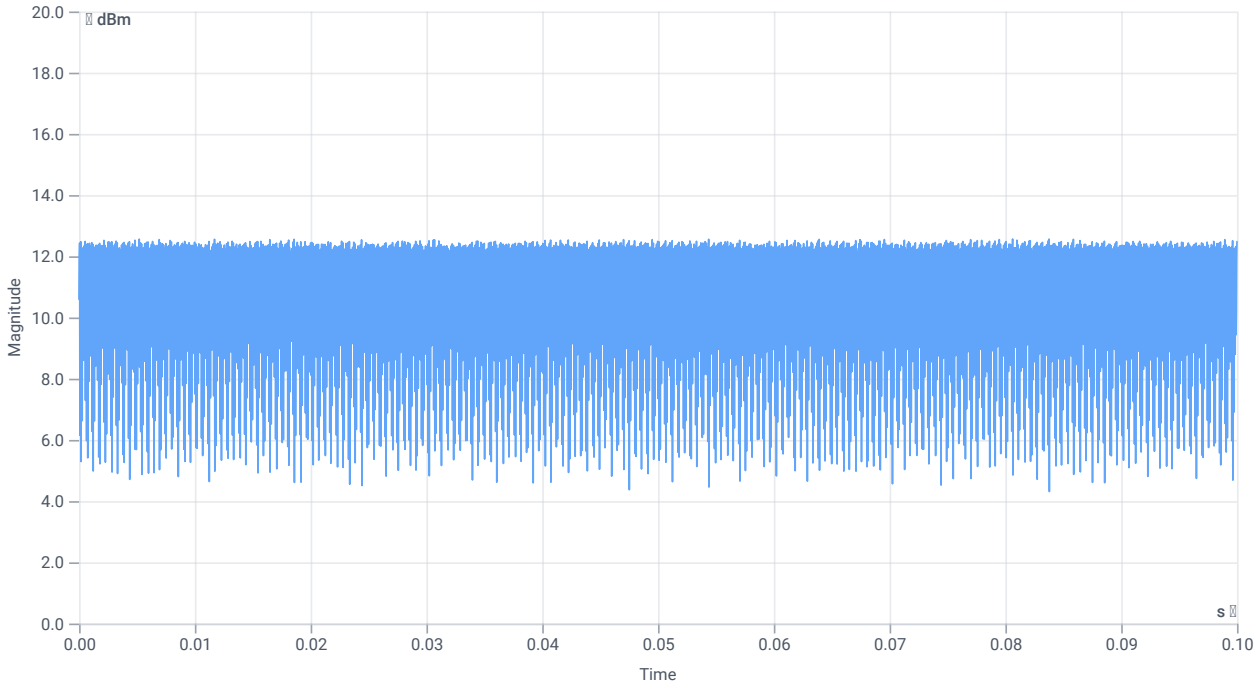
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	12.62	dBm	INFO
Ref. Frequency	---	---	5701.790	MHz	INFO

Evaluation max. Duty Cycle

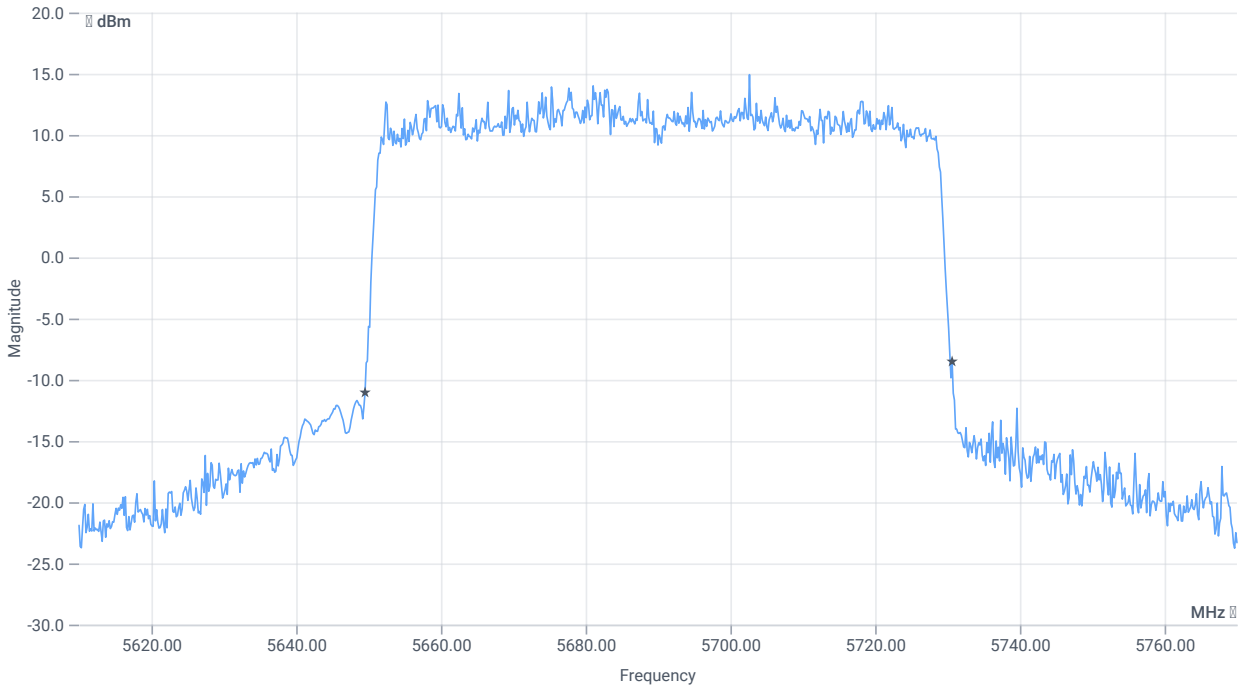
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

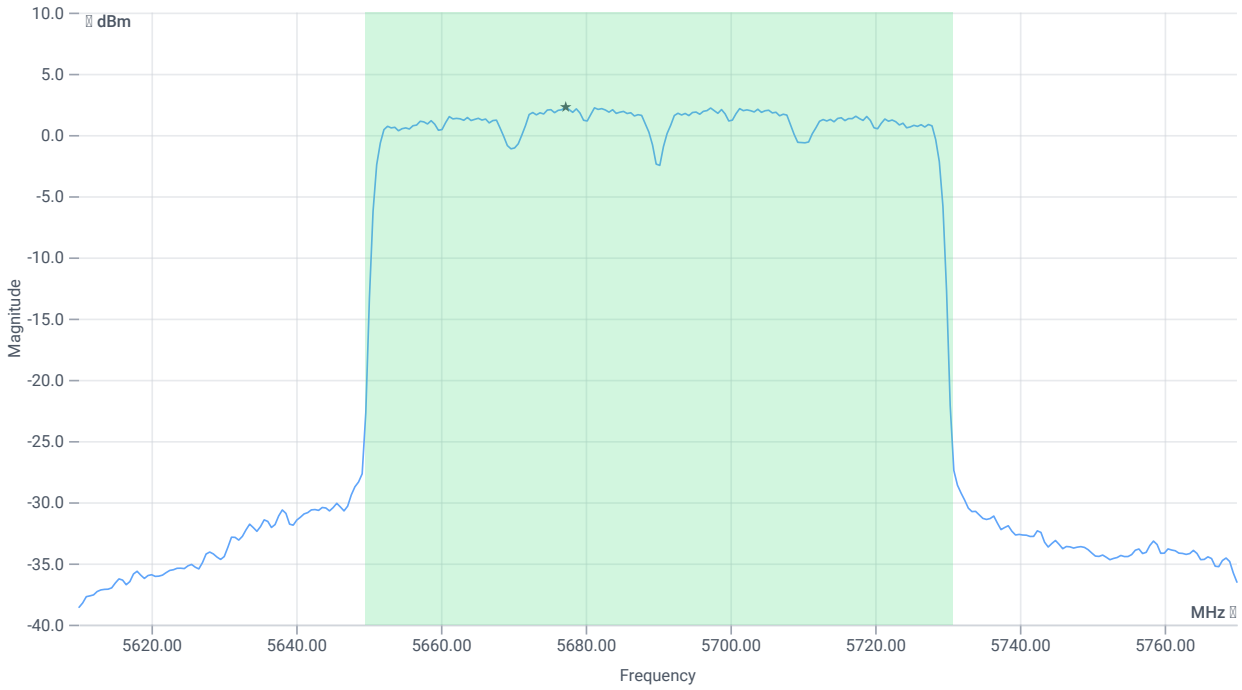
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.12	MHz	INFO
T1 26dB	---	---	5649.5200	MHz	INFO
T2 26dB	---	---	5730.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.62 | 16.66 | 25
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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	19.83	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	19.83	dBm	PASS
Limit: 11 dBm + 10 log	81.12				
Max Output Power DC corrected	---	30.09	19.83	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	2.28	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	2.28	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:53:19
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

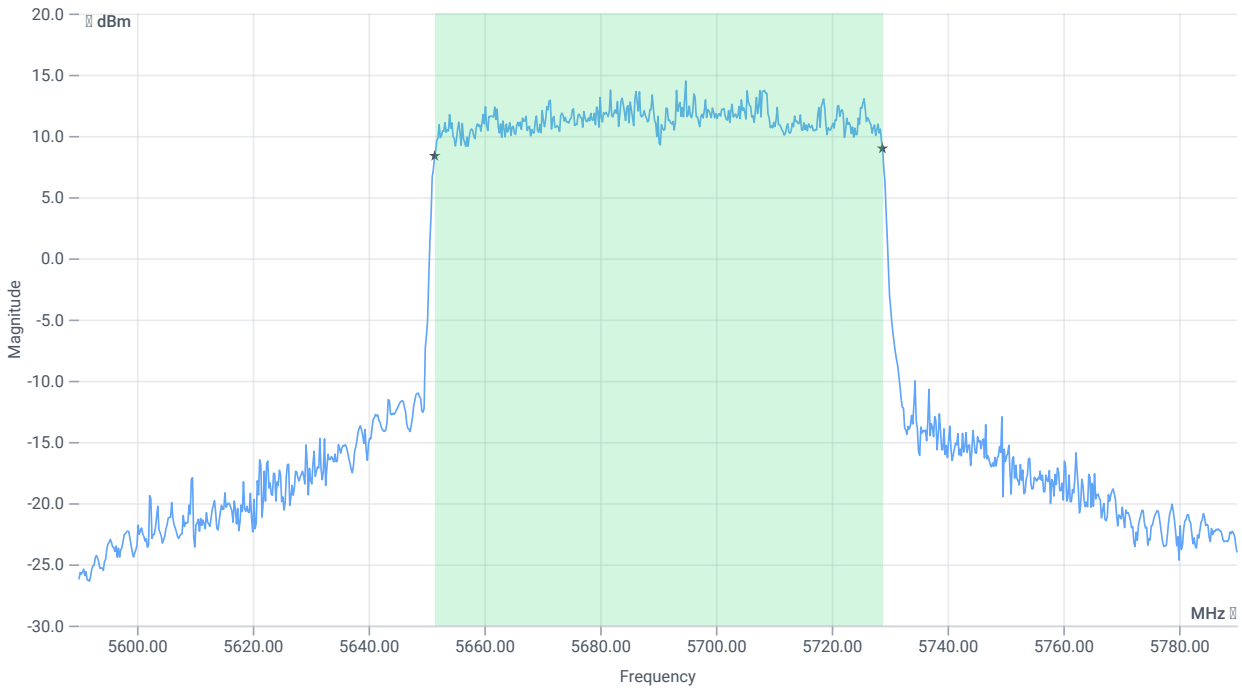
Test at TX 5690 MHz

RESULT: Reference Power cond.

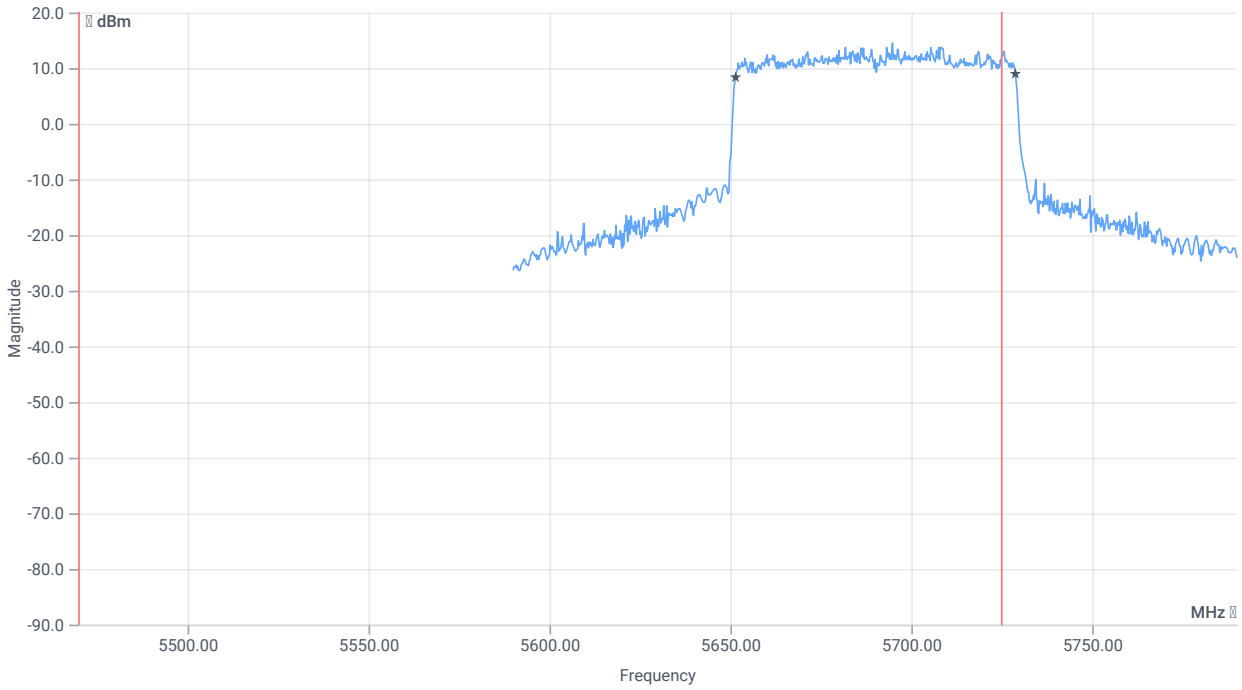
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	11.76	dBm	INFO
Ref. Frequency	---	---	5694.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.76 | 16.66 | 20
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



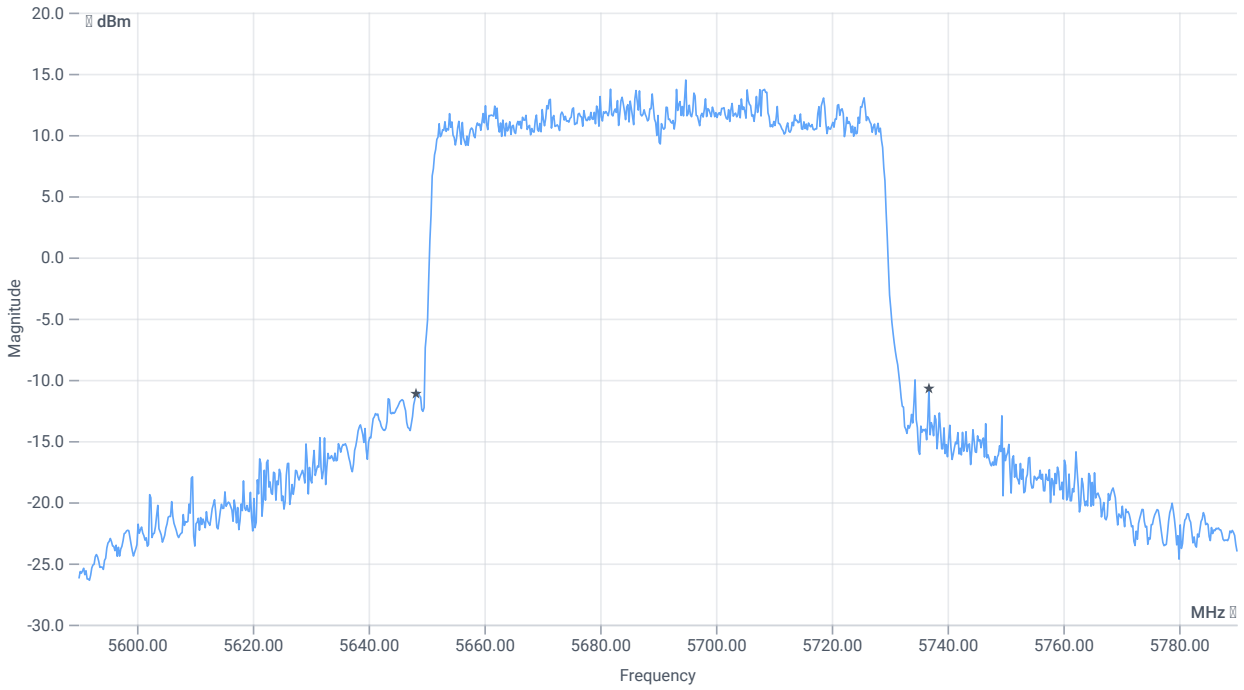
BW 99PCT



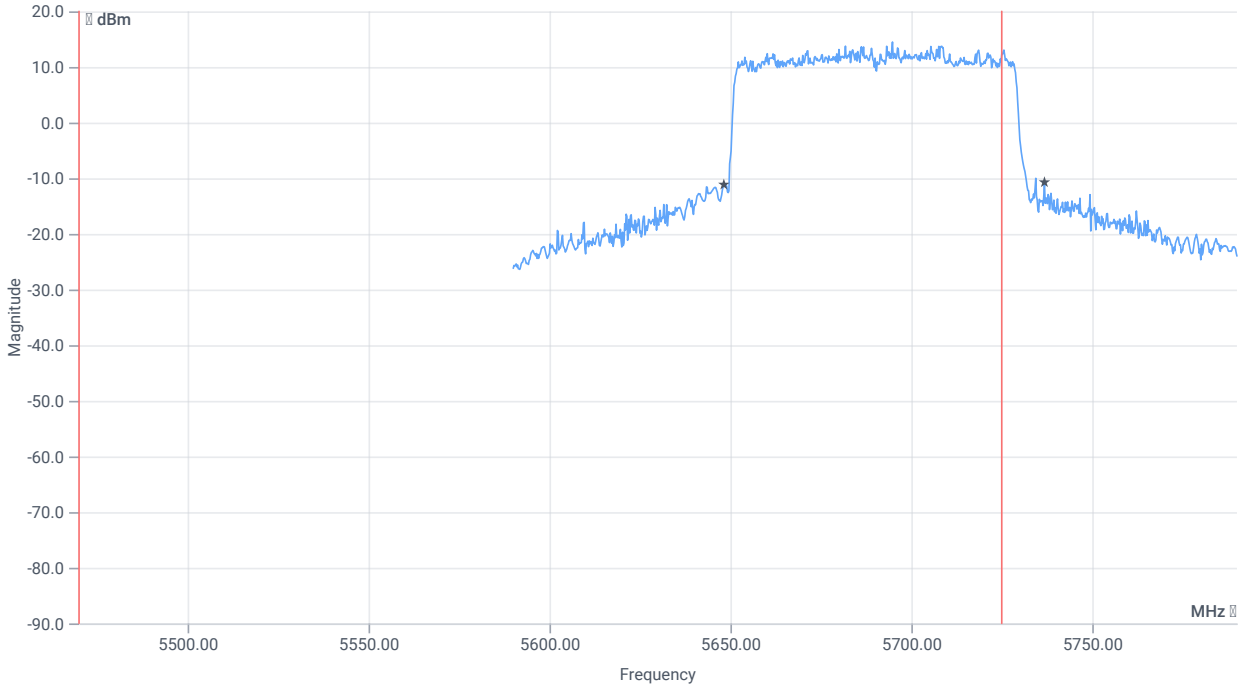
BW within Band 99PCT

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	



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	88.6	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5470.000000	---	5648.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5736.8000	MHz	

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:50:56
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

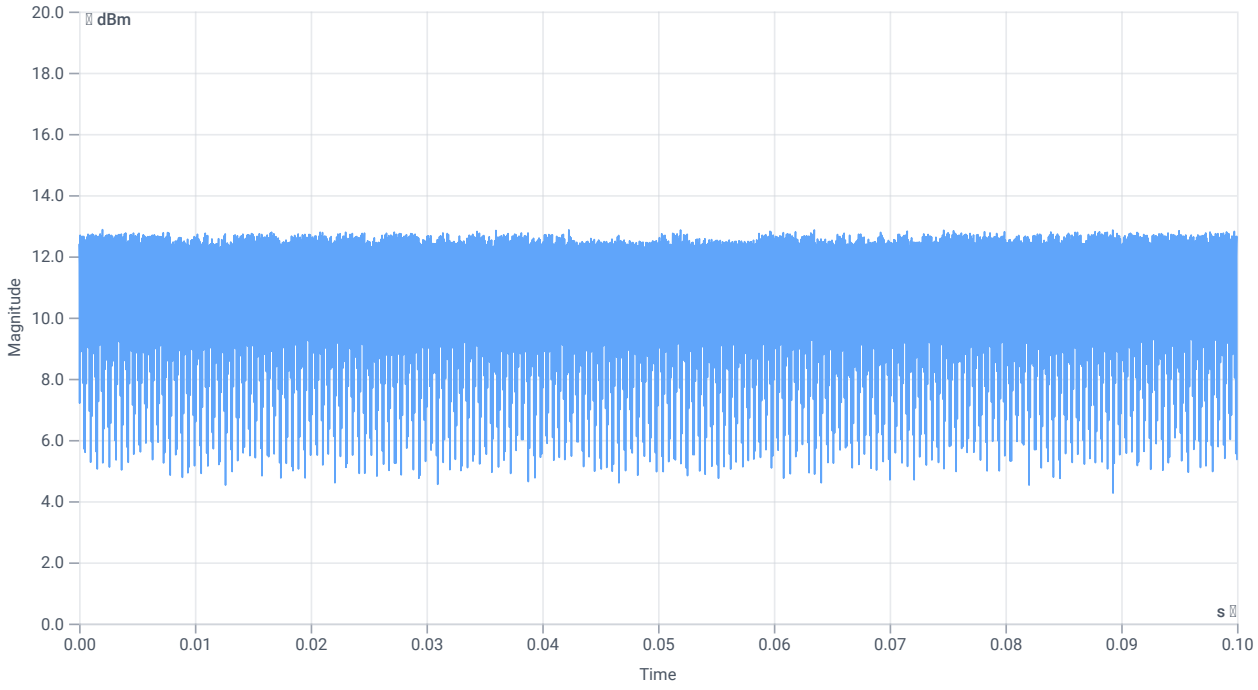
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	12.46	dBm	INFO
Ref. Frequency	---	---	5727.960	MHz	INFO

Evaluation max. Duty Cycle

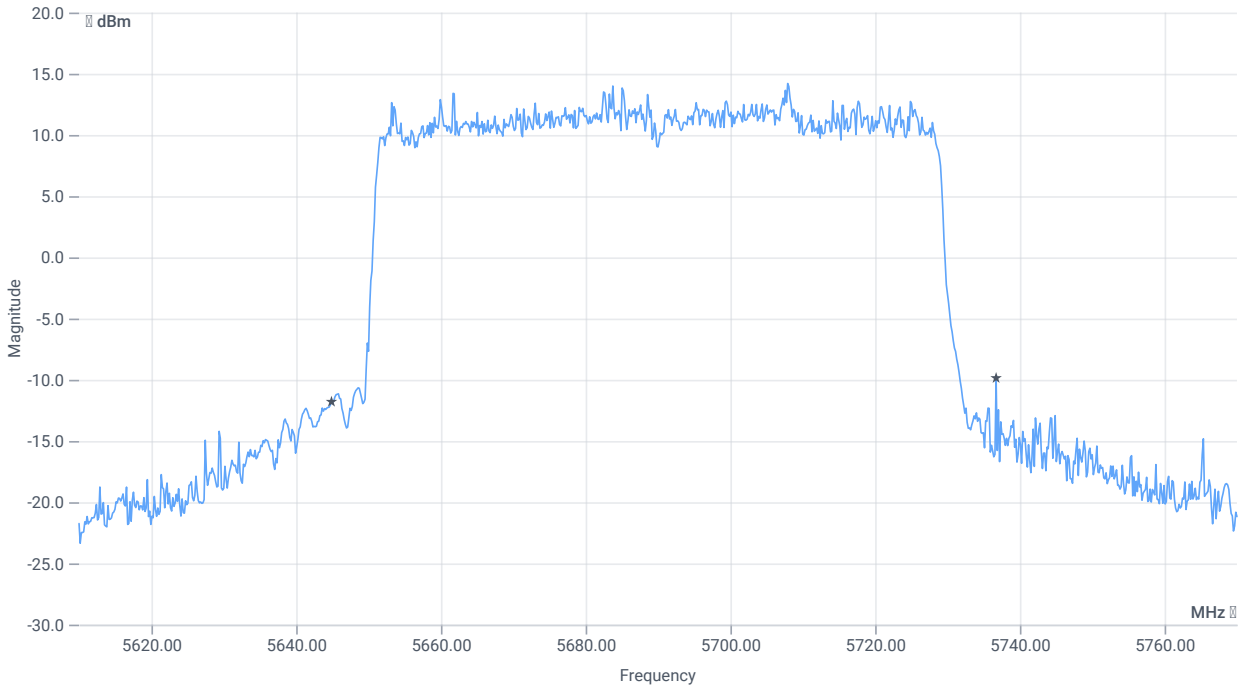
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

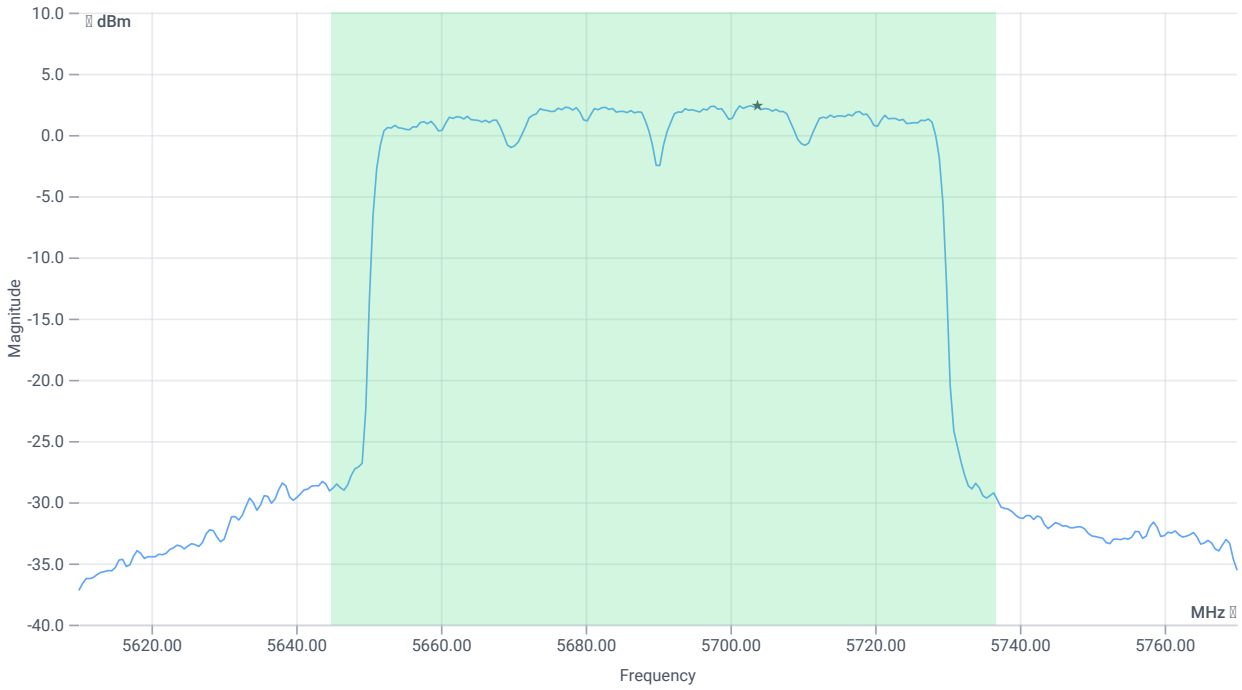
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	91.84	MHz	INFO
T1 26dB	---	---	5644.8800	MHz	INFO
T2 26dB	---	---	5736.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.46 | 16.66 | 25
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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	19.97	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	19.97	dBm	PASS
Limit: 11 dBm + 10 log 91.84					
Max Output Power DC corrected	---	30.63	19.97	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	2.39	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	2.39	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:48:03
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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	---	---	19.9	dBm	INFO
Ant:1 BW 26dB	---	---	88.800	MHz	INFO
Ant:2 Max Output Power DC corrected	---	---	19.68	dBm	INFO
Ant:2 BW 26dB	---	---	91.680	MHz	INFO
∑ Limit absolute	---	24	22.8	dBm	PASS
∑ Limit: 11 dBm + 10 log 88.8	---	30.48	22.8	dBm	PASS

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 PSD	---	---	2.31	dBm/1MHz	INFO
Ant:2 PSD	---	---	2.15	dBm/1MHz	INFO
∑	---	11	5.24	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:47:27
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

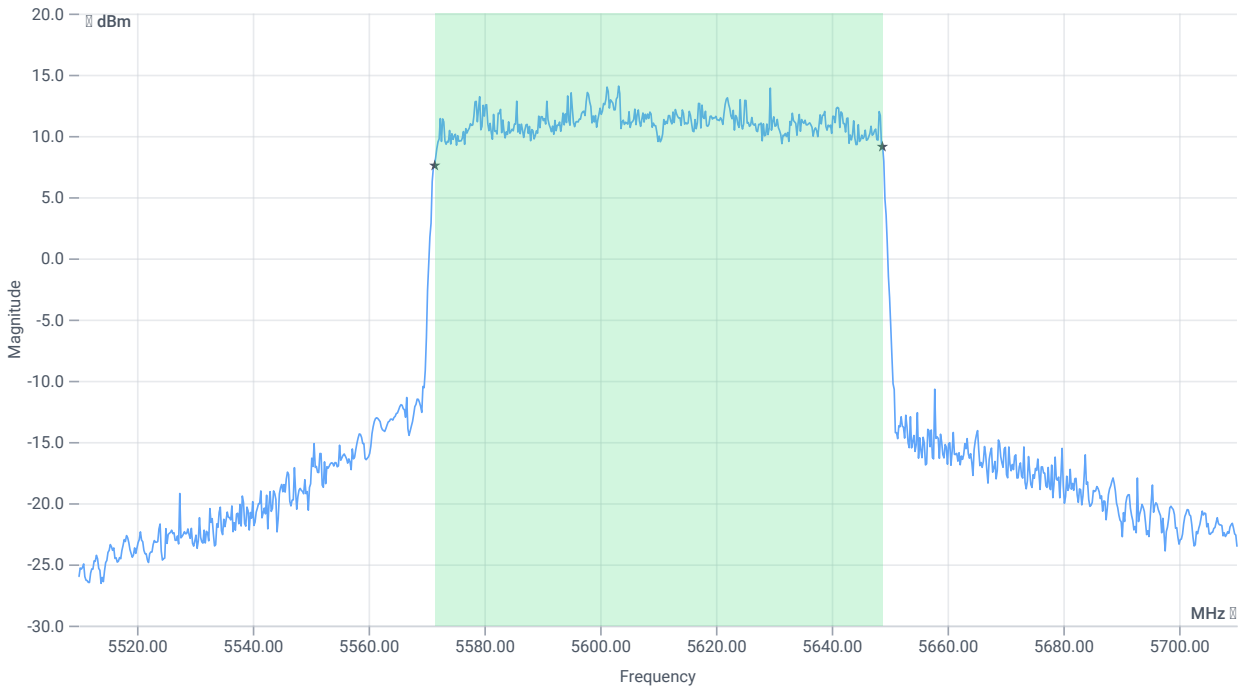
Test at TX 5610 MHz

RESULT: Reference Power cond.

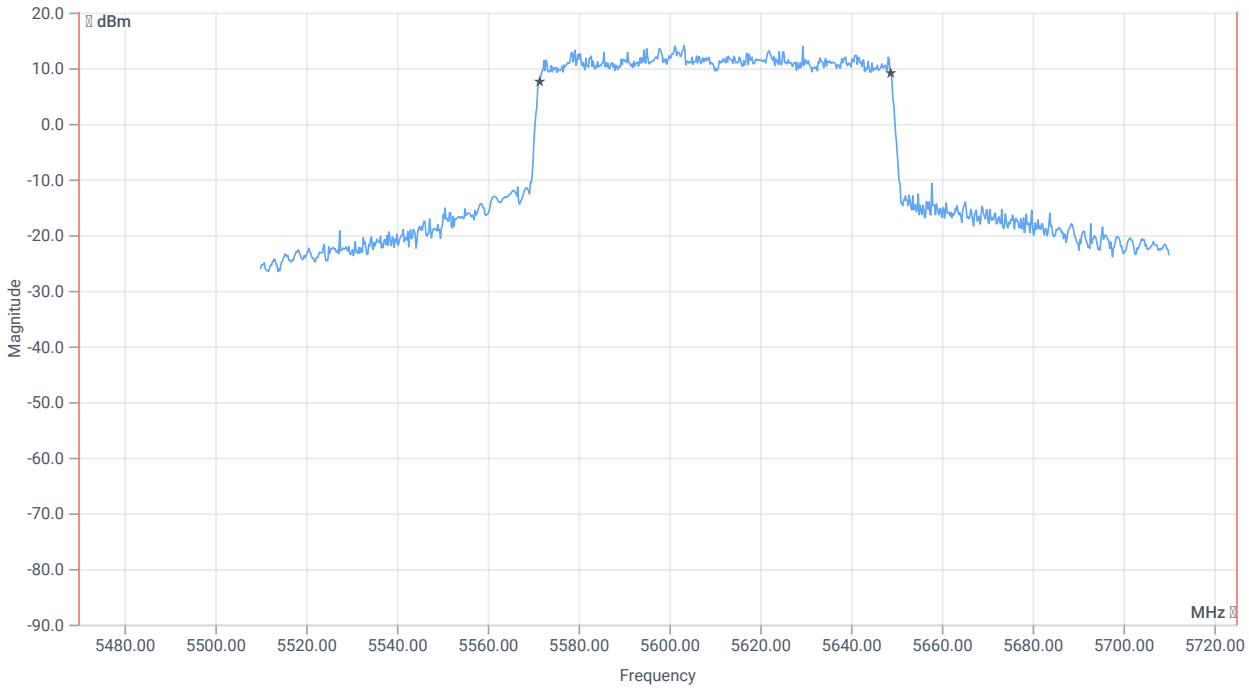
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	12.99	dBm	INFO
Ref. Frequency	---	---	5602.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.99 | 16.72 | 20
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



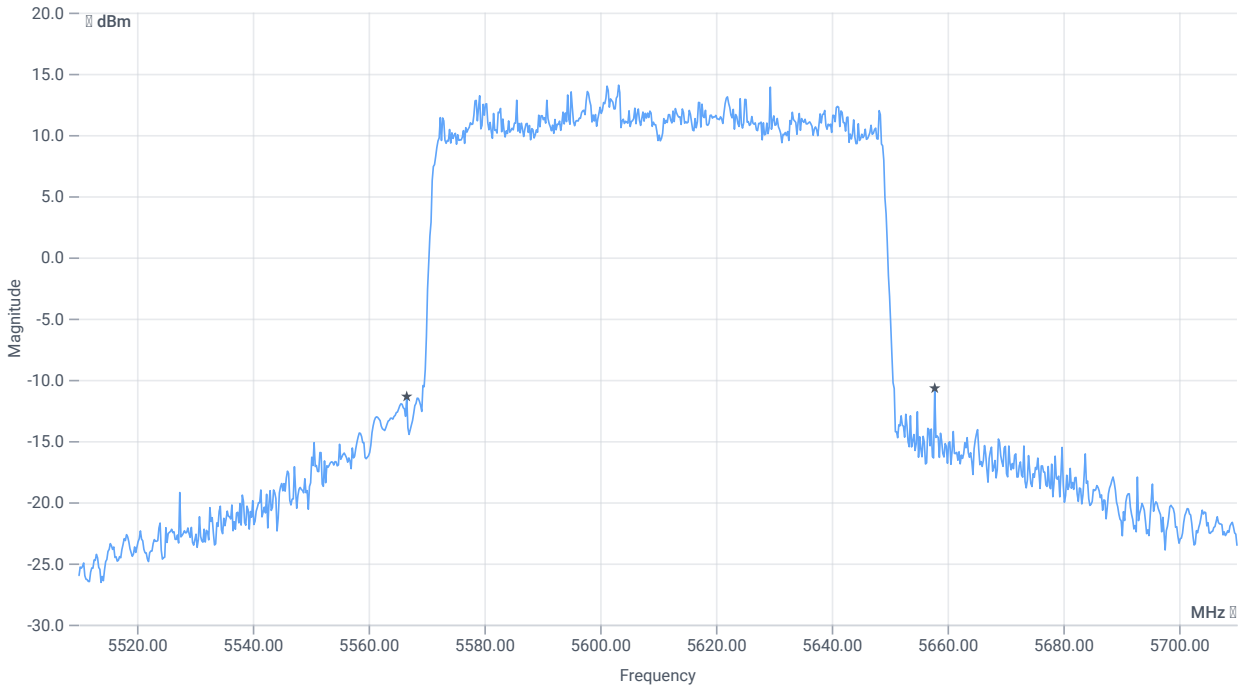
BW 99PCT



BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	77.323	MHz	INFO
T1 99%	5470.000000	---	5571.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.7612	MHz	



BW 26dB

BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	91.2	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5470.000000	---	5566.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5657.8000	MHz	

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:45:00
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

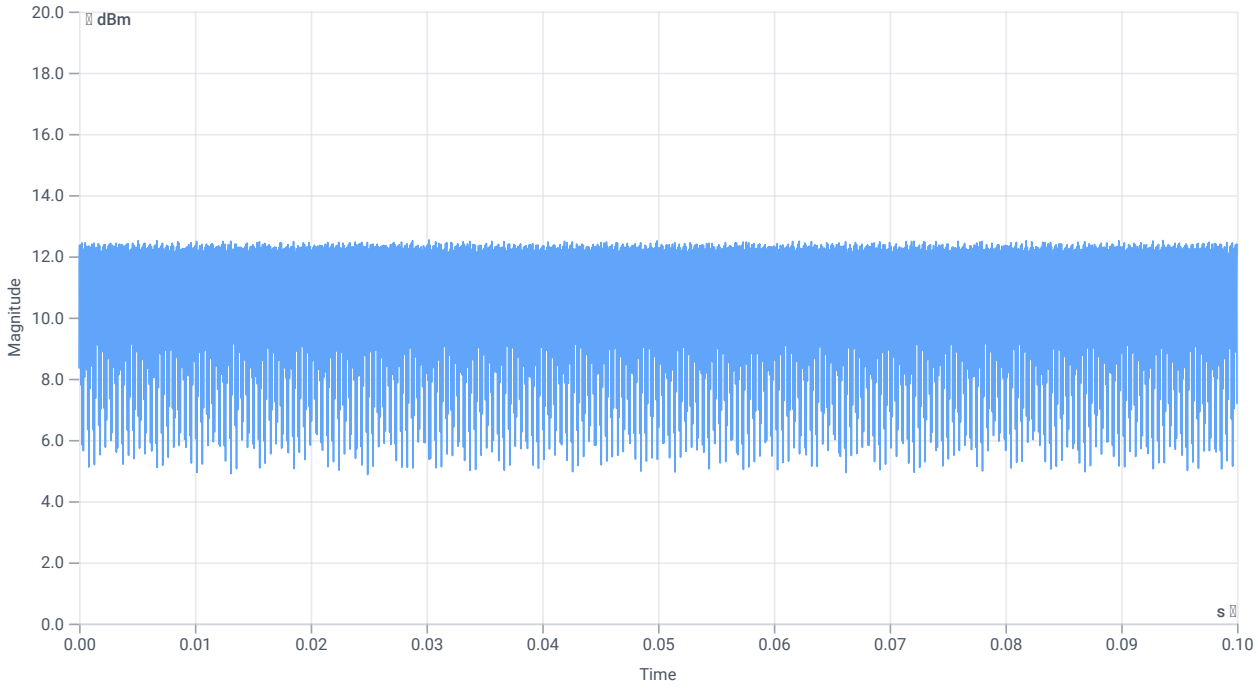
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	12.28	dBm	INFO
Ref. Frequency	---	---	5607.400	MHz	INFO

Evaluation max. Duty Cycle

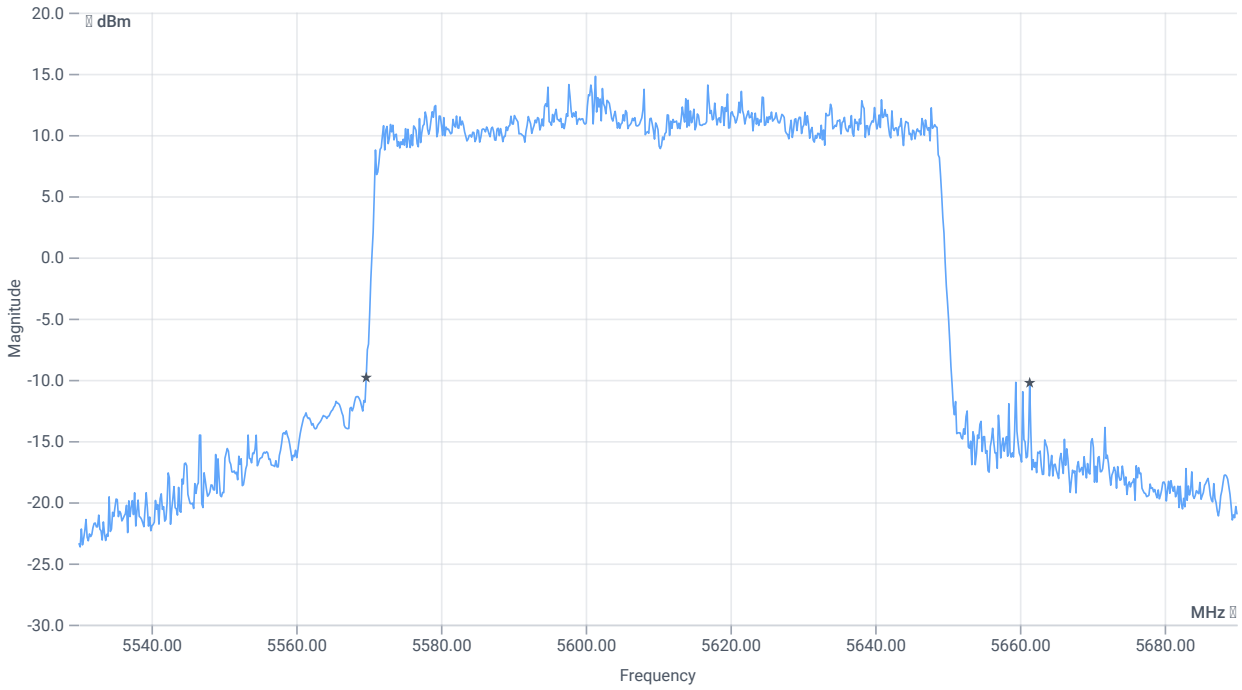
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

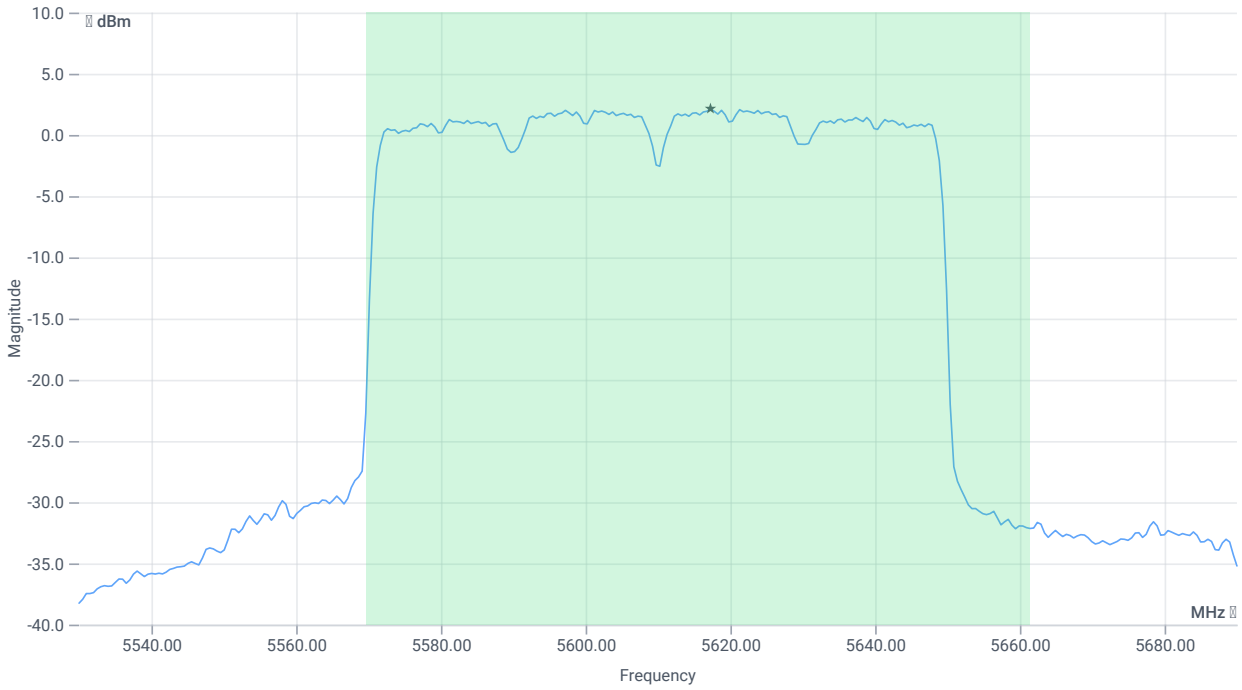
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	91.68	MHz	INFO
T1 26dB	---	---	5569.6800	MHz	INFO
T2 26dB	---	---	5661.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.28 | 16.72 | 25
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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	19.68	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	19.68	dBm	PASS
Limit: 11 dBm + 10 log 91.68					
Max Output Power DC corrected	---	30.62	19.68	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	2.15	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	2.15	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:44:24
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

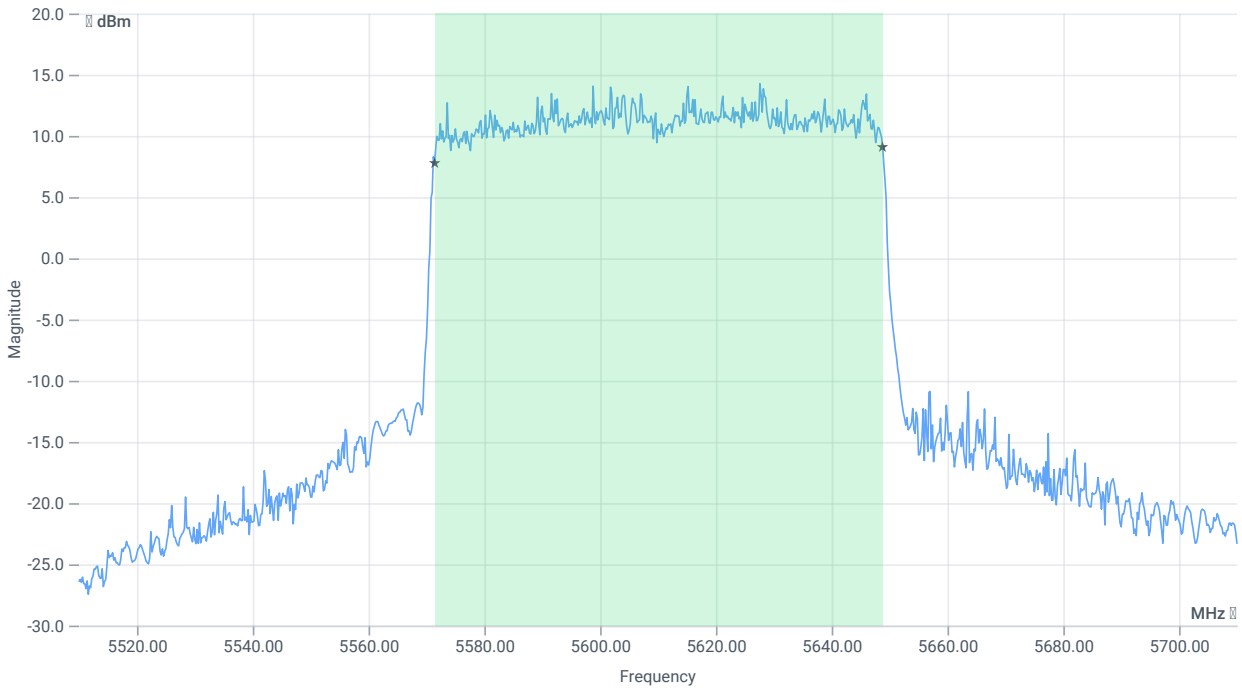
Test at TX 5610 MHz

RESULT: Reference Power cond.

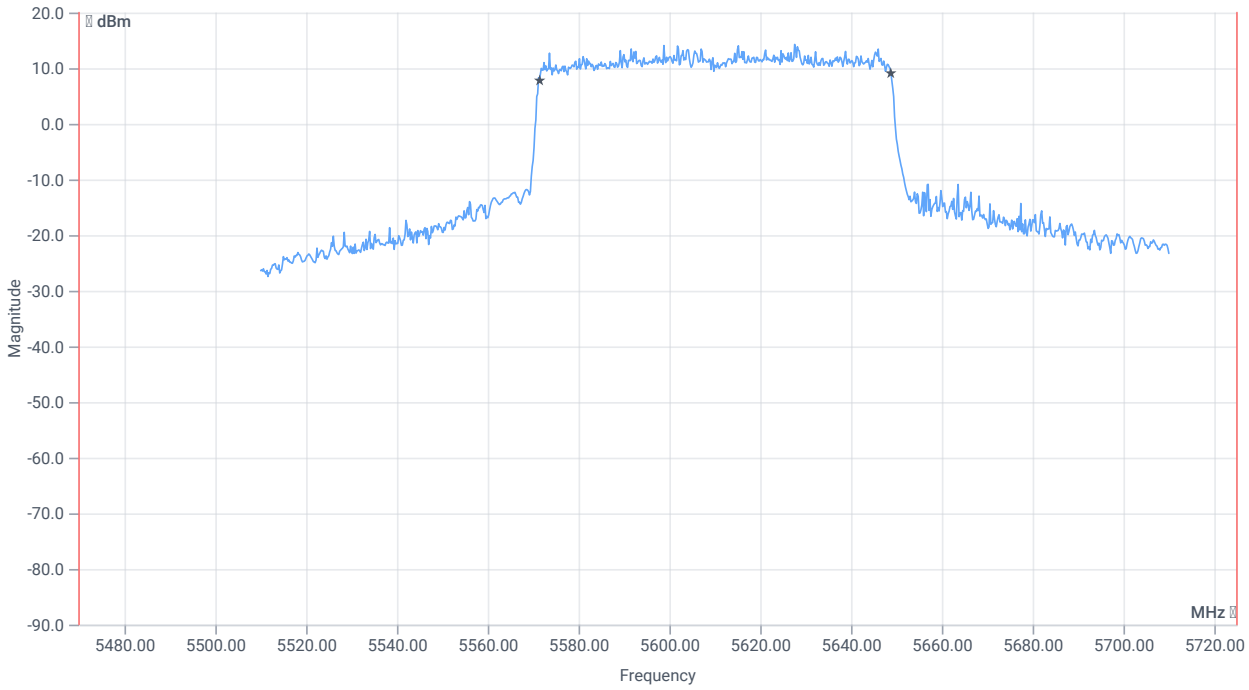
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	12.38	dBm	INFO
Ref. Frequency	---	---	5624.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.38 | 16.72 | 20
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



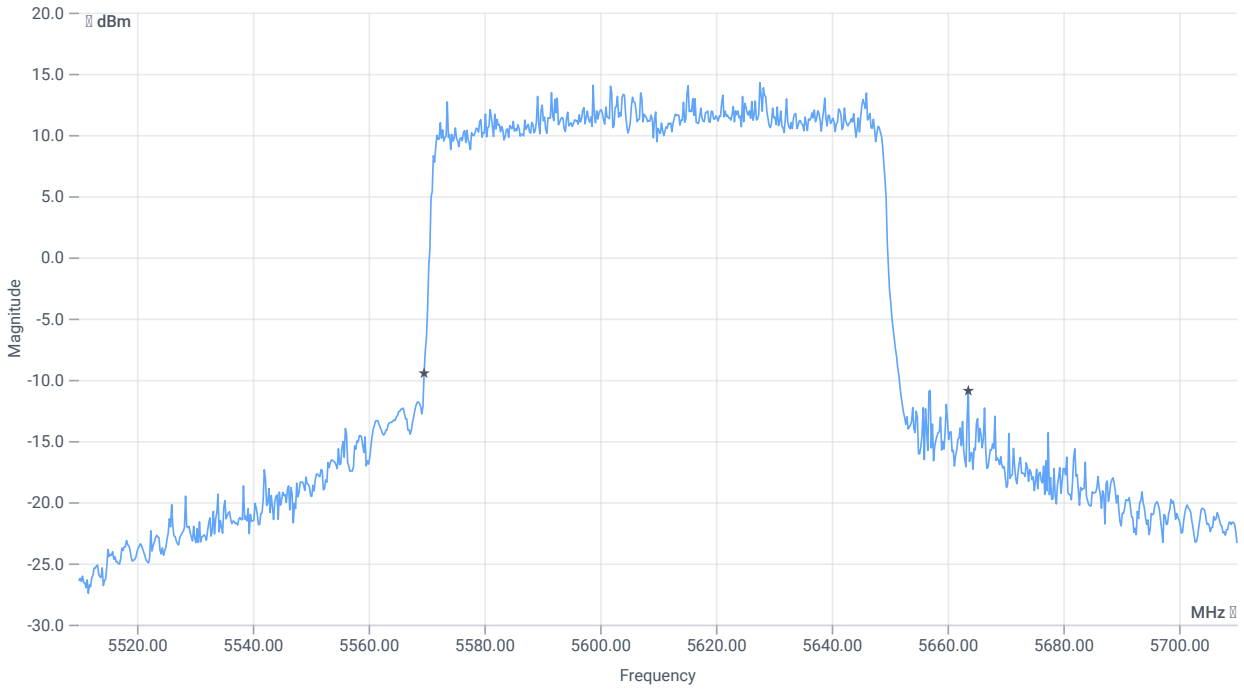
BW 99PCT



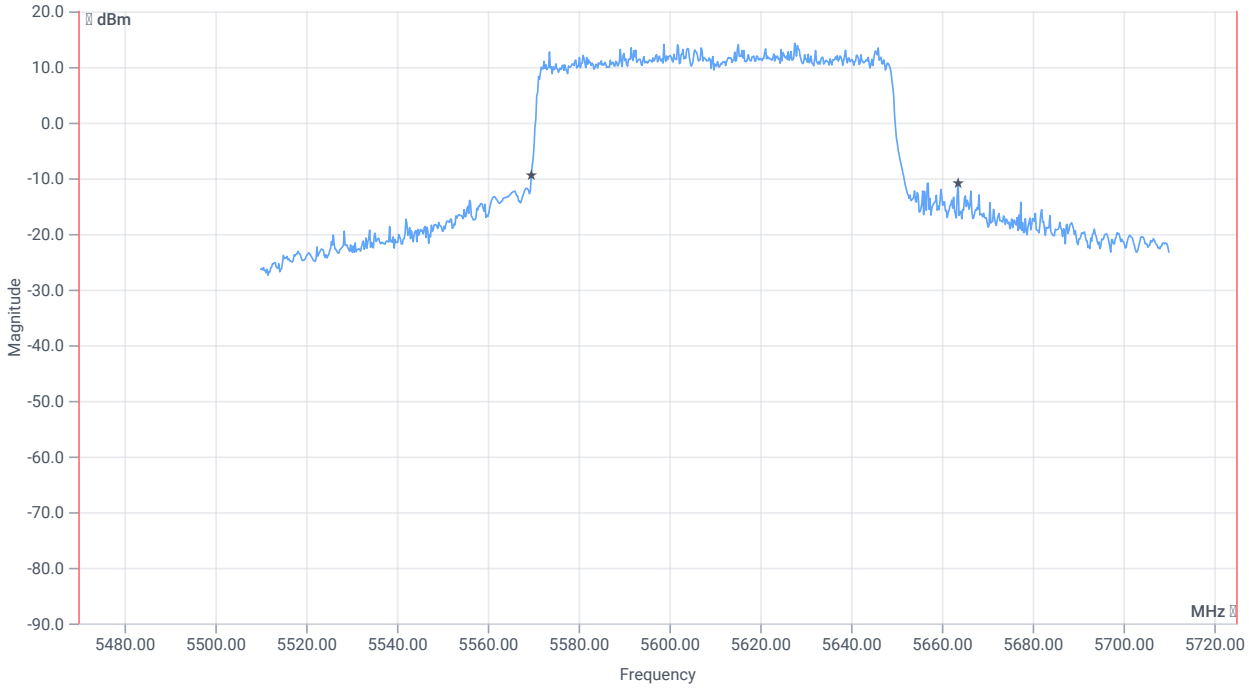
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	77.323	MHz	INFO
T1 99%	5470.000000	---	5571.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5648.7612	MHz	



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	94	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5470.000000	---	5569.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5663.6000	MHz	

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:41:57
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

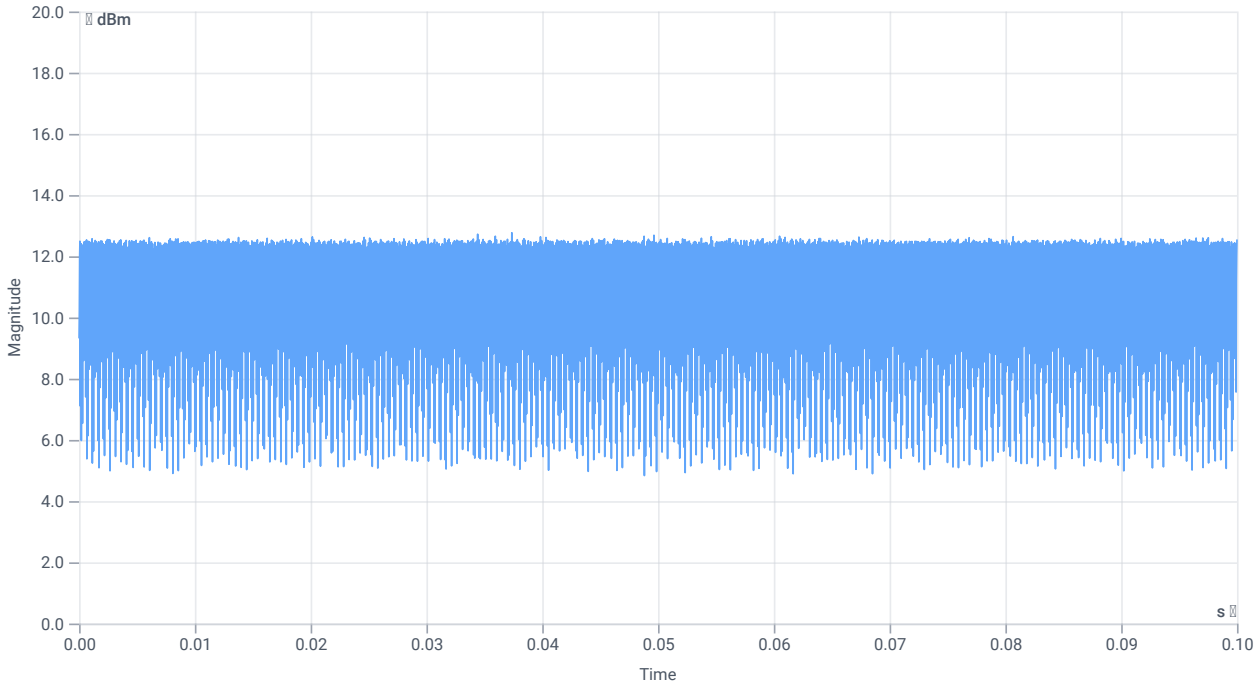
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	11.86	dBm	INFO
Ref. Frequency	---	---	5640.170	MHz	INFO

Evaluation max. Duty Cycle

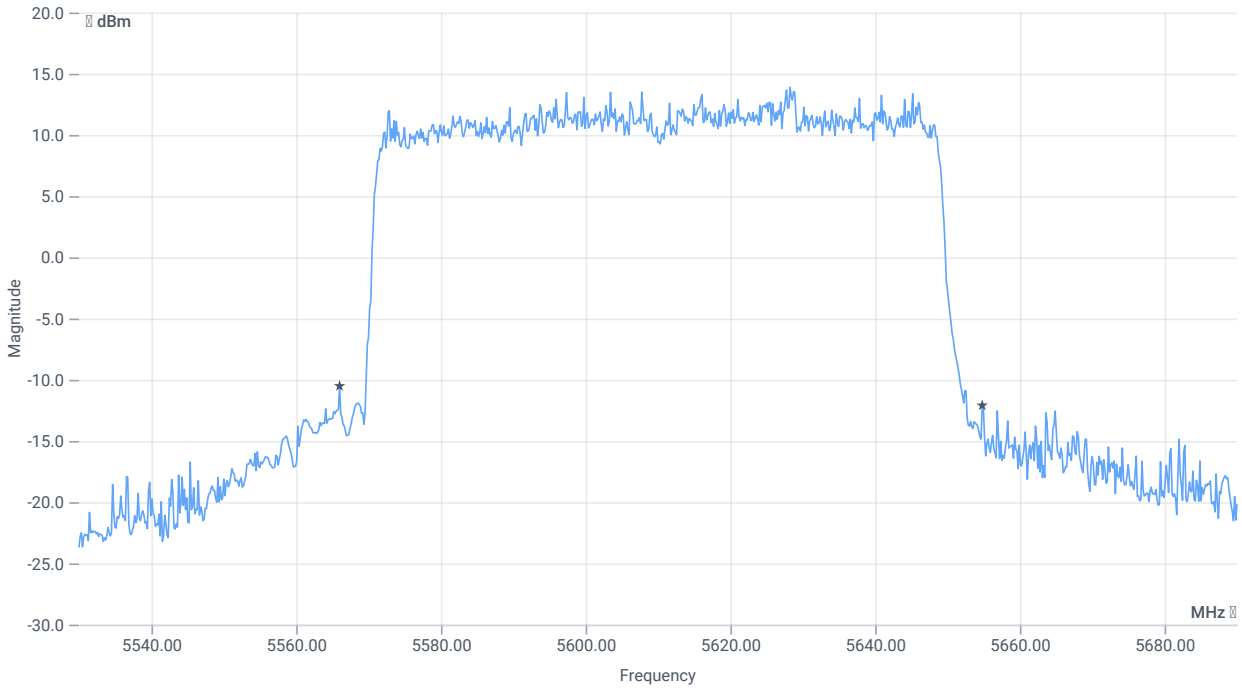
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

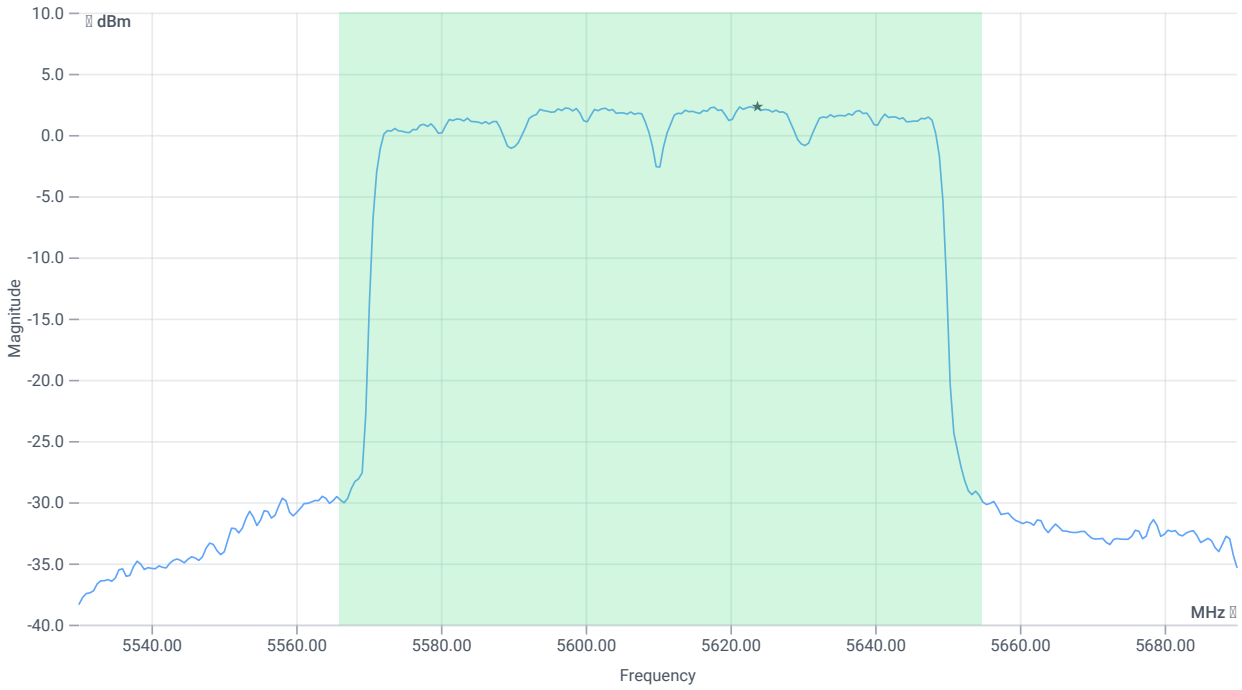
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	88.8	MHz	INFO
T1 26dB	---	---	5566.0000	MHz	INFO
T2 26dB	---	---	5654.8000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.86 | 16.72 | 25
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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	19.9	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	19.9	dBm	PASS
Limit: 11 dBm + 10 log 88.8					
Max Output Power DC corrected	---	30.48	19.9	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	2.31	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	2.31	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:40:12
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
Limit W52 Japan	Standard

Test Parameter

Technology to test	WLAN5Gx ax-HE80
Antenna Port used	several
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]	1.4
Switched Path	None

Test Equipment

Test at TX 5530 MHz

RESULT Power

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 Max Output Power DC corrected	---	---	15.11	dBm	INFO
Ant:1 BW 26dB	---	---	81.600	MHz	INFO
Ant:2 Max Output Power DC corrected	---	---	15.06	dBm	INFO
Ant:2 BW 26dB	---	---	81.280	MHz	INFO
∑ Limit absolute	---	24	18.1	dBm	PASS
∑ Limit: 11 dBm + 10 log 81.28	---	30.1	18.1	dBm	PASS

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 PSD	---	---	-2.55	dBm/1MHz	INFO
Ant:2 PSD	---	---	-2.62	dBm/1MHz	INFO
∑	---	11	0.43	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:39:36
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

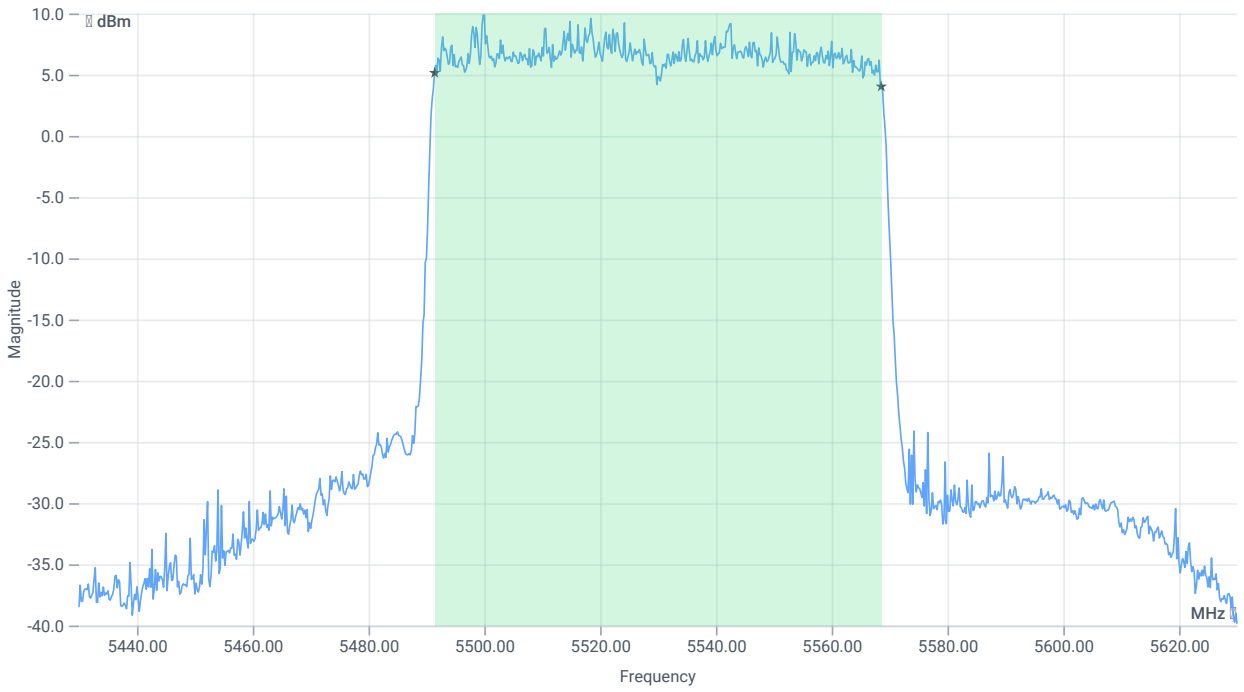
Test at TX 5530 MHz

RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	8.28	dBm	INFO
Ref. Frequency	---	---	5541.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.28 | 16.87 | 15
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

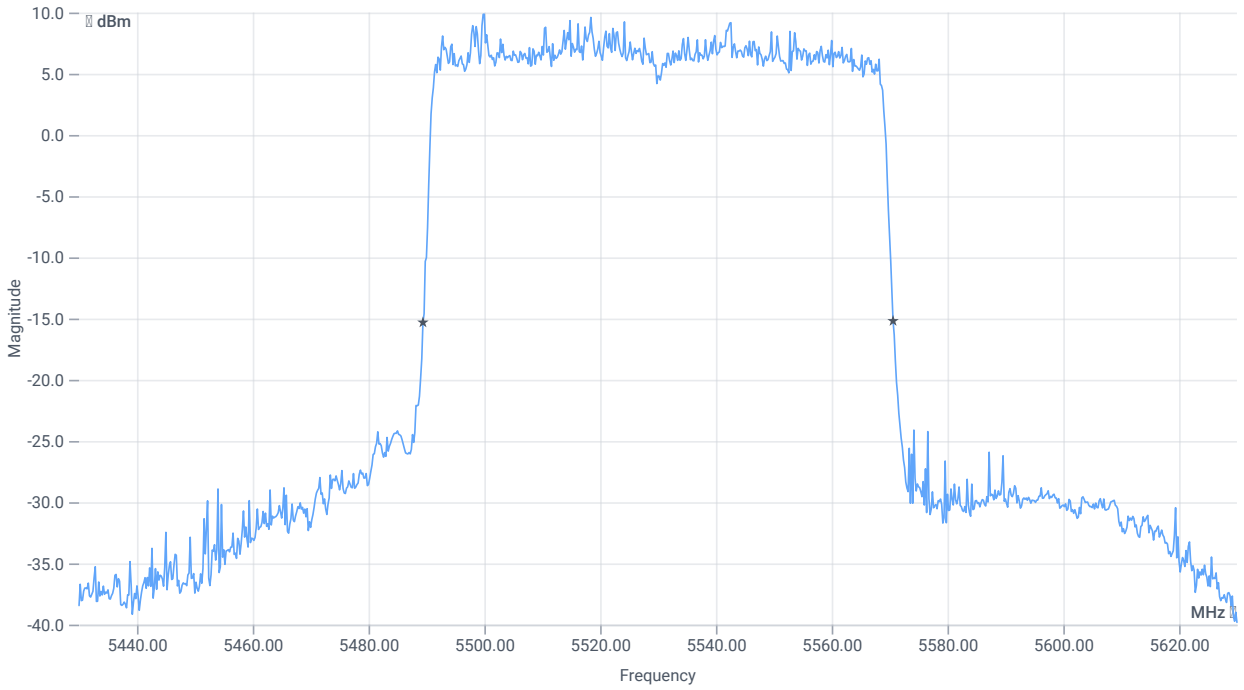


BW 99PCT

BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	77.123	MHz	INFO
T1 99%	5470.000000	---	5491.4386	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.5614	MHz	



BW 26dB

BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.2	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5470.000000	---	5489.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5570.6000	MHz	

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:37:08
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

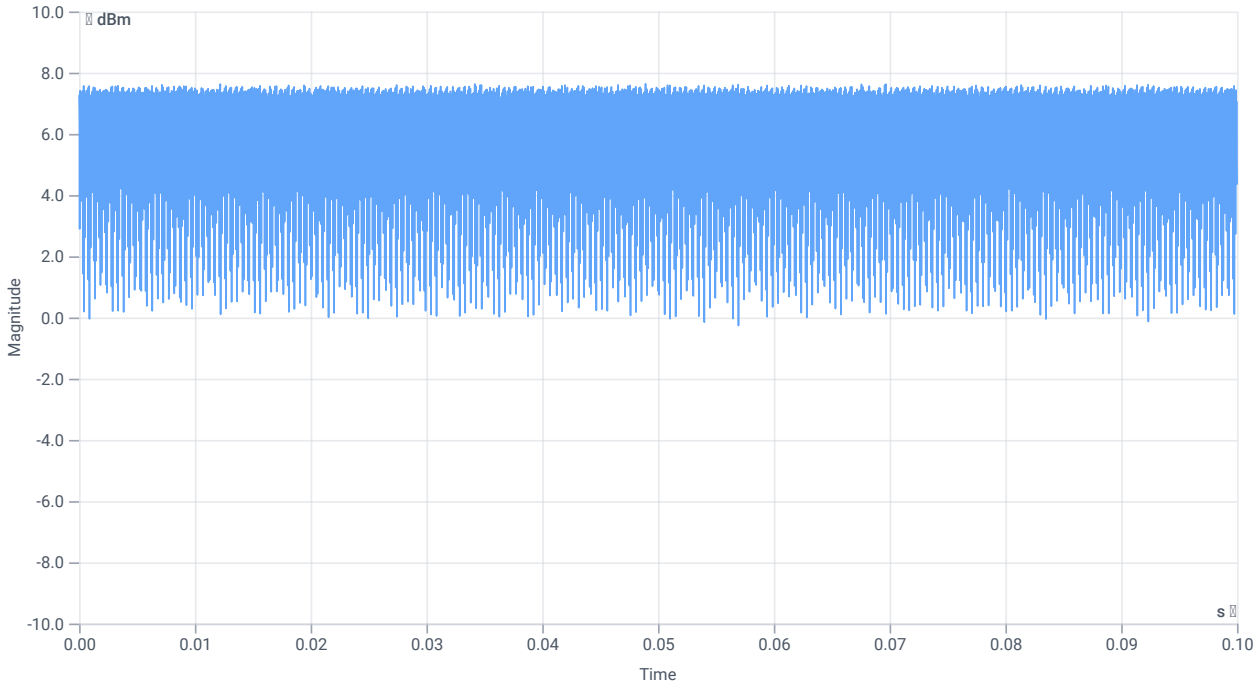
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	6.67	dBm	INFO
Ref. Frequency	---	---	5520.810	MHz	INFO

Evaluation max. Duty Cycle

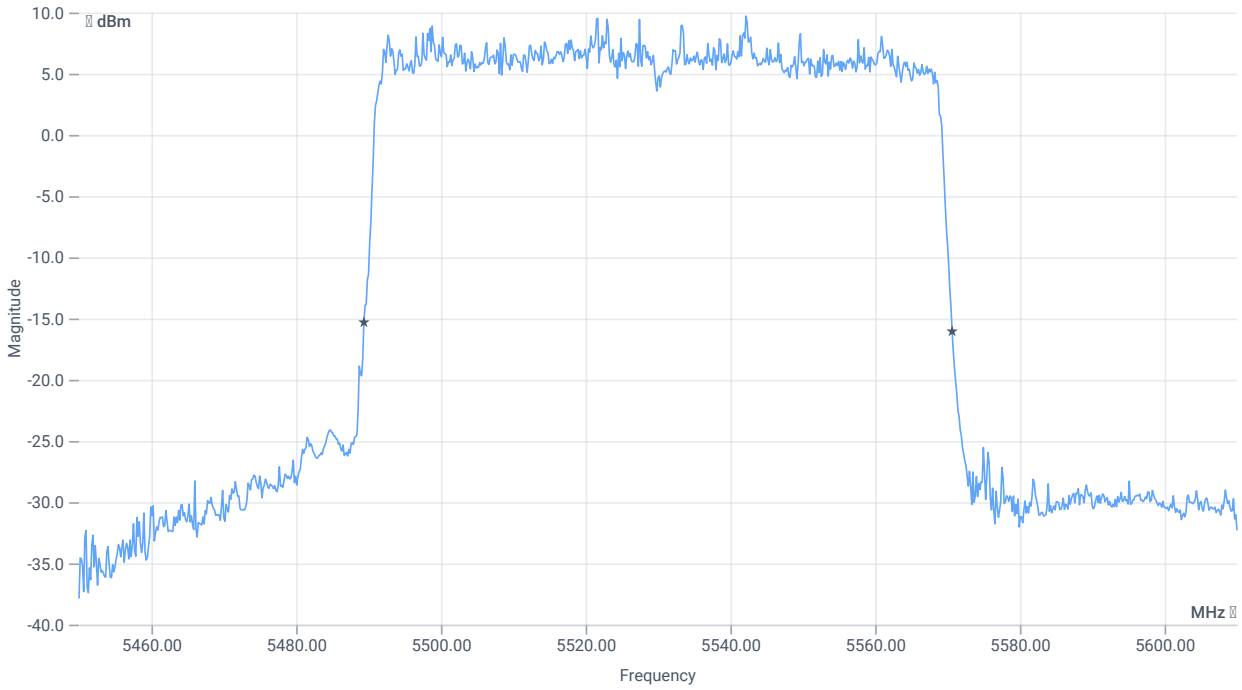
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

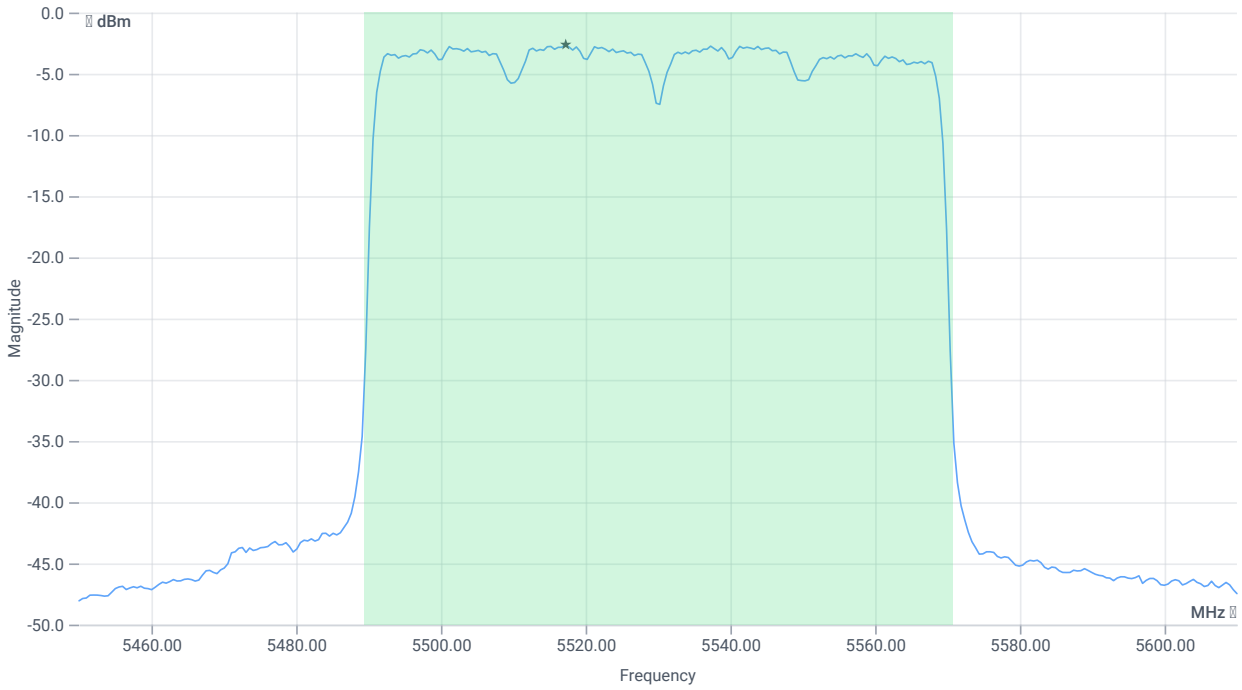
RESULT

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

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.67 | 16.87 | 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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	15.06	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.06	dBm	PASS
Limit: 11 dBm + 10 log	81.28				
Max Output Power DC corrected	---	30.1	15.06	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-2.62	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-2.62	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:36:32
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

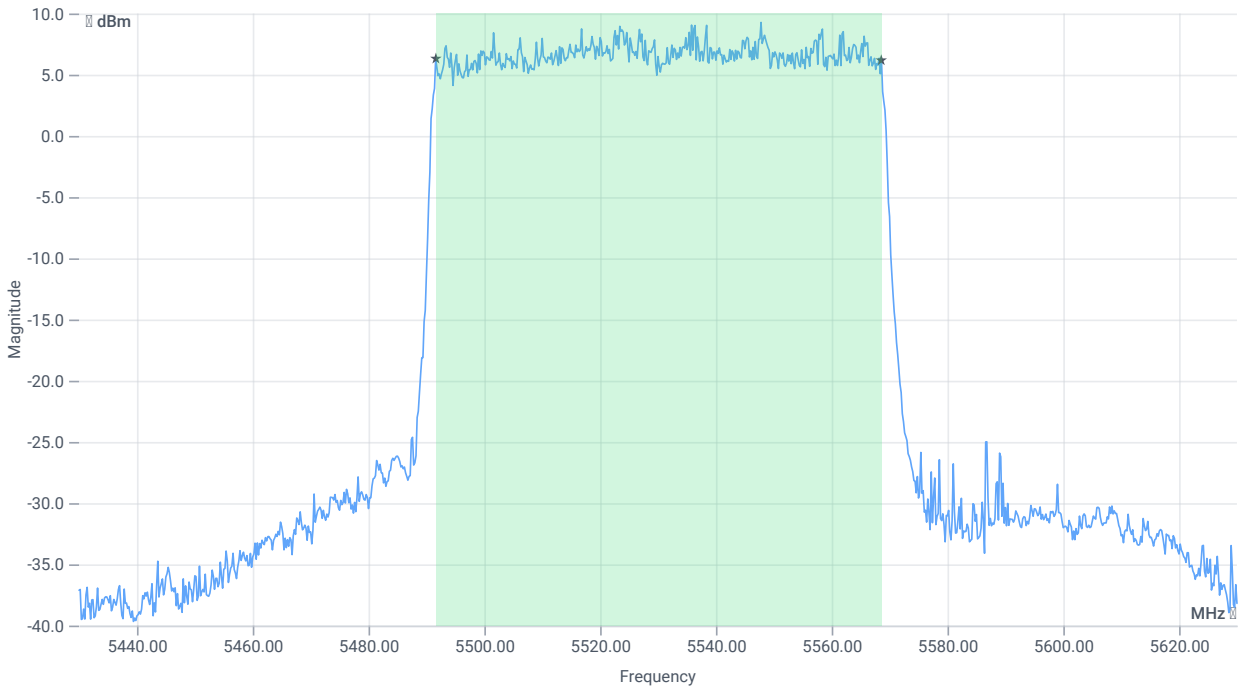
Test at TX 5530 MHz

RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	10.39	dBm	INFO
Ref. Frequency	---	---	5545.180	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.39 | 16.87 | 20
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

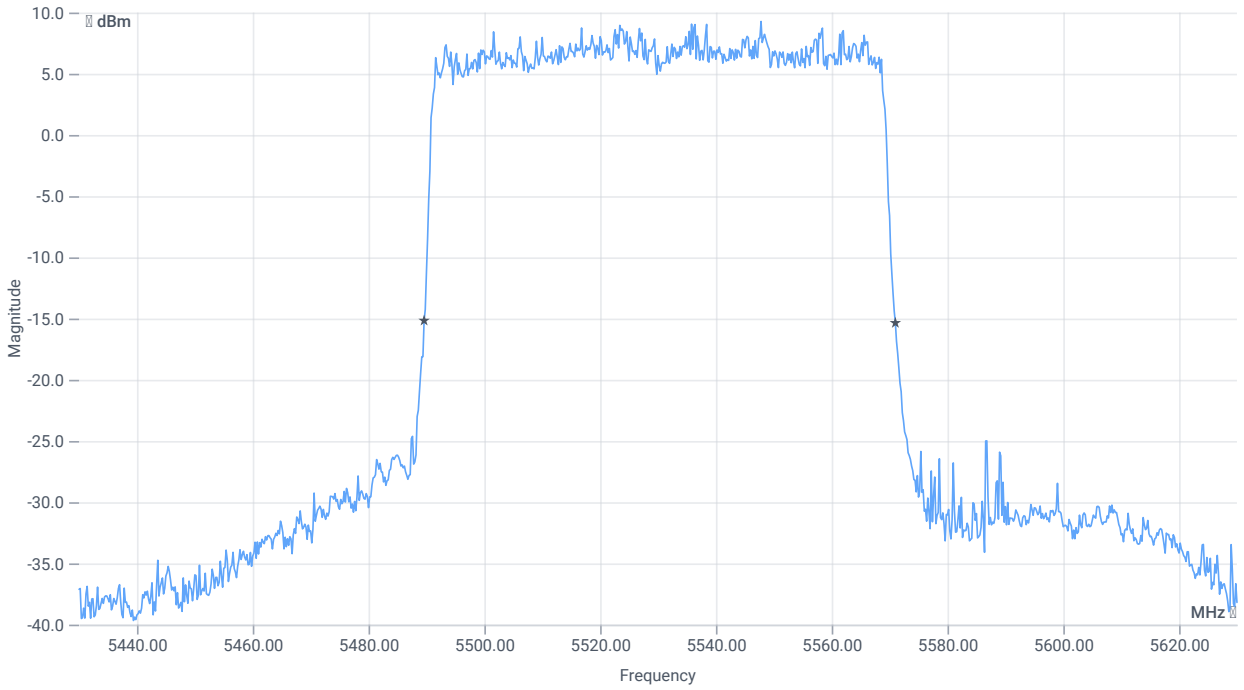


BW 99PCT

BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5470.000000	---	5491.6384	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5568.5614	MHz	



BW 26dB

BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.4	MHz	INFO

RESULT

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

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:34:04
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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

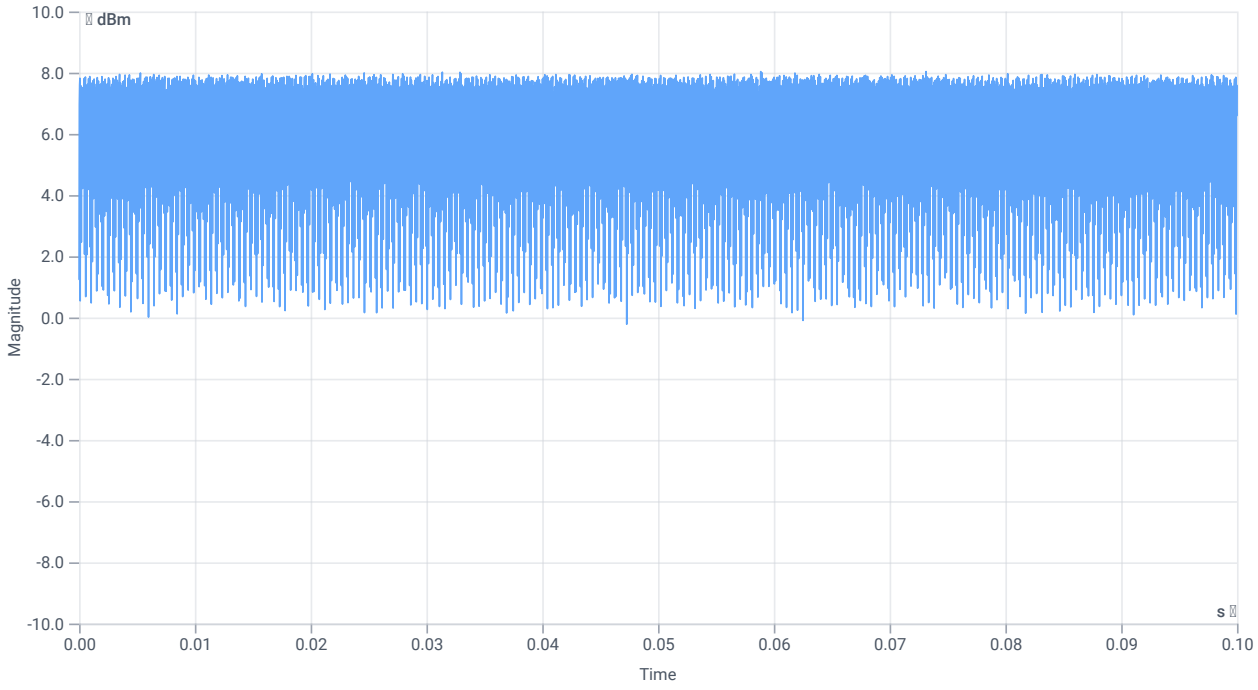
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	7.47	dBm	INFO
Ref. Frequency	---	---	5548.180	MHz	INFO

Evaluation max. Duty Cycle

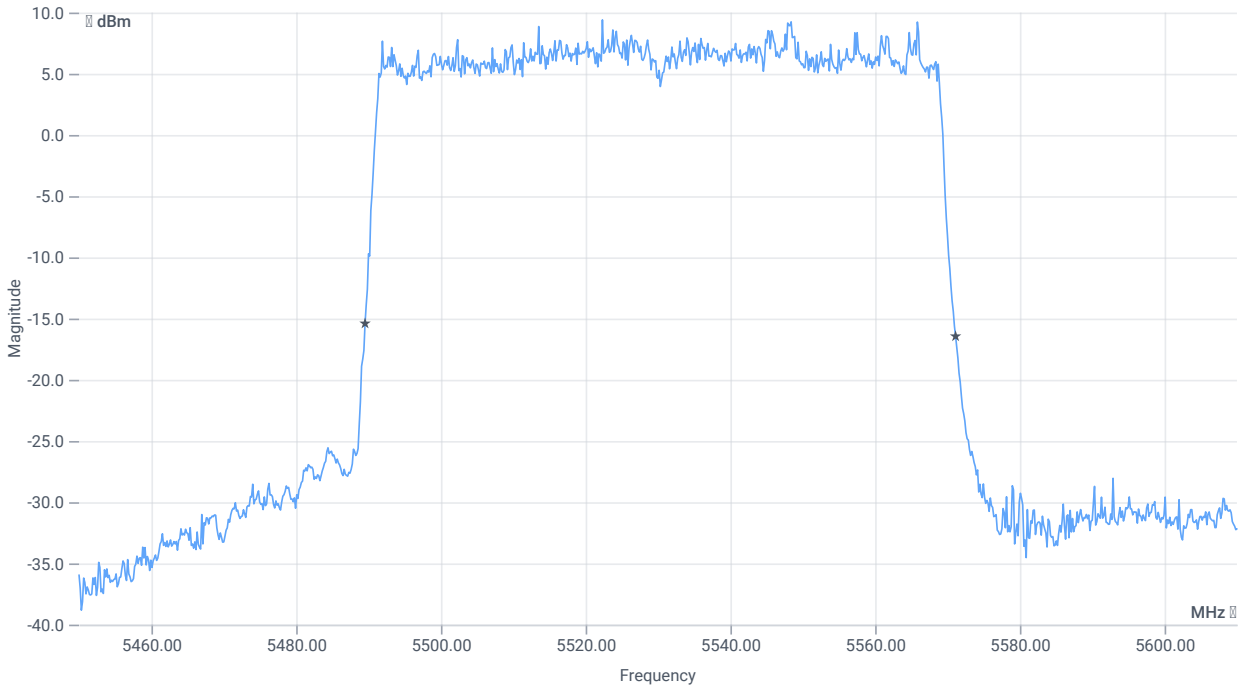
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

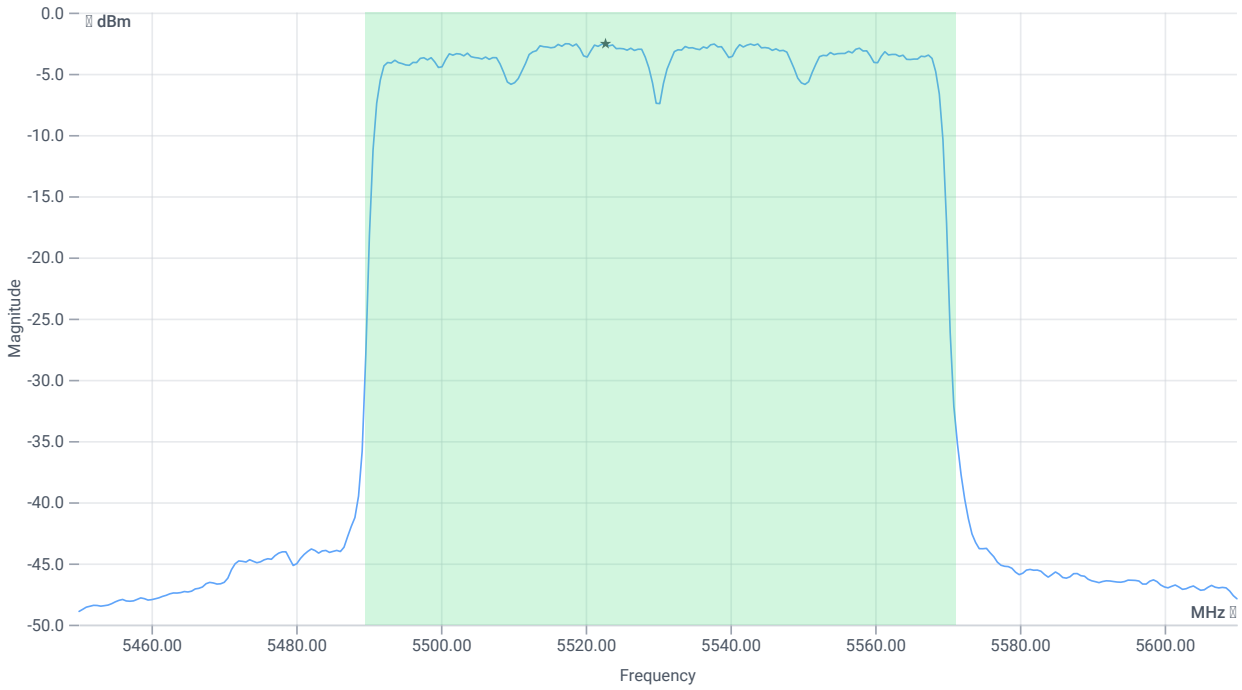
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.6	MHz	INFO
T1 26dB	---	---	5489.5200	MHz	INFO
T2 26dB	---	---	5571.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.47 | 16.87 | 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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	15.11	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.11	dBm	PASS
Limit: 11 dBm + 10 log 81.6					
Max Output Power DC corrected	---	30.12	15.11	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-2.55	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-2.55	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:33:13
Ambit Temp [°C] | Humidity [rel%]	23.6 | 30
System Version	3.5.0.0
Test Specification	FCC 15.247 -
Test Method	
TC Version	0.0.1
My Description	FCC MIMO_Power_PSD_Calculator - WLAN5Gx ax-HE80 U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 5290
Frequency high to test	False | Freq [MHz] 0
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	None

Test Equipment

Test at TX 5290 MHz

RESULT Power

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 Max Output Power DC corrected	---	---	12.48	dBm	INFO
Ant:1 BW 26dB	---	---	81.280	MHz	INFO
Ant:2 Max Output Power DC corrected	---	---	12.78	dBm	INFO
Ant:2 BW 26dB	---	---	81.120	MHz	INFO
∑ Limit absolute	---	24	15.64	dBm	PASS
∑ Limit: 11 dBm + 10 log 81.12	---	30.09	15.64	dBm	PASS

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 PSD	---	---	-4.99	dBm/1MHz	INFO
Ant:2 PSD	---	---	-4.78	dBm/1MHz	INFO
∑	---	11	-1.87	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:32:06
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-2A
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

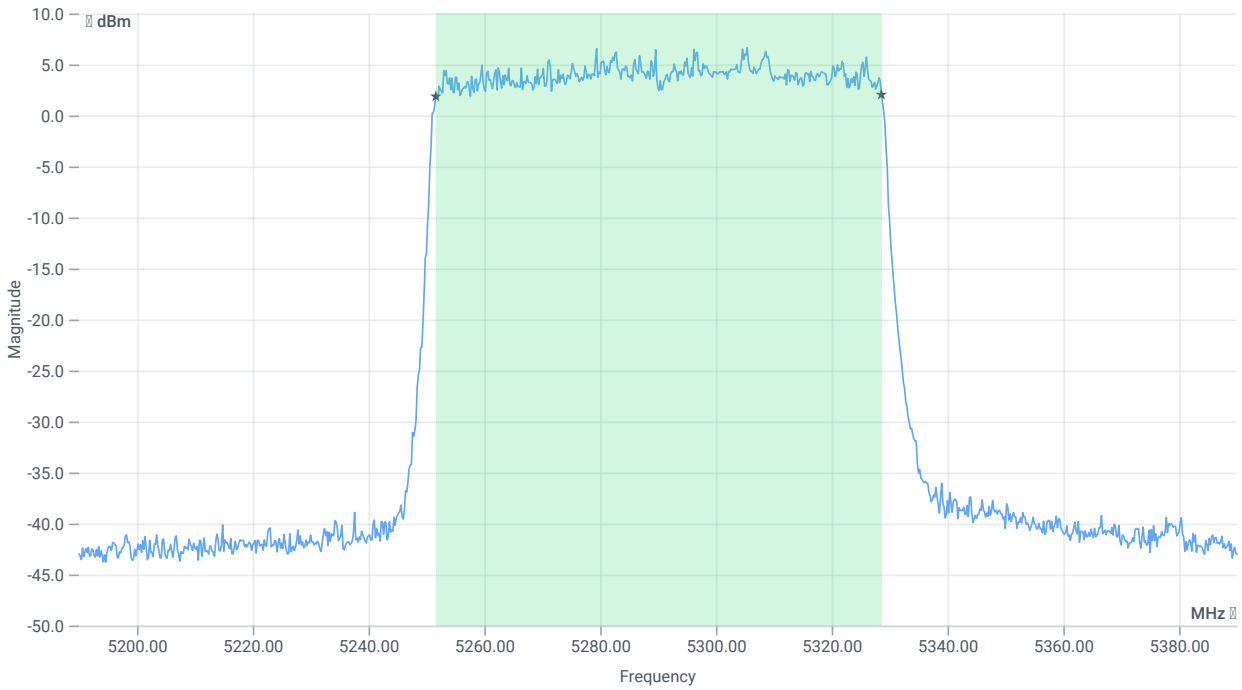
Test at TX 5290 MHz

RESULT: Reference Power cond.

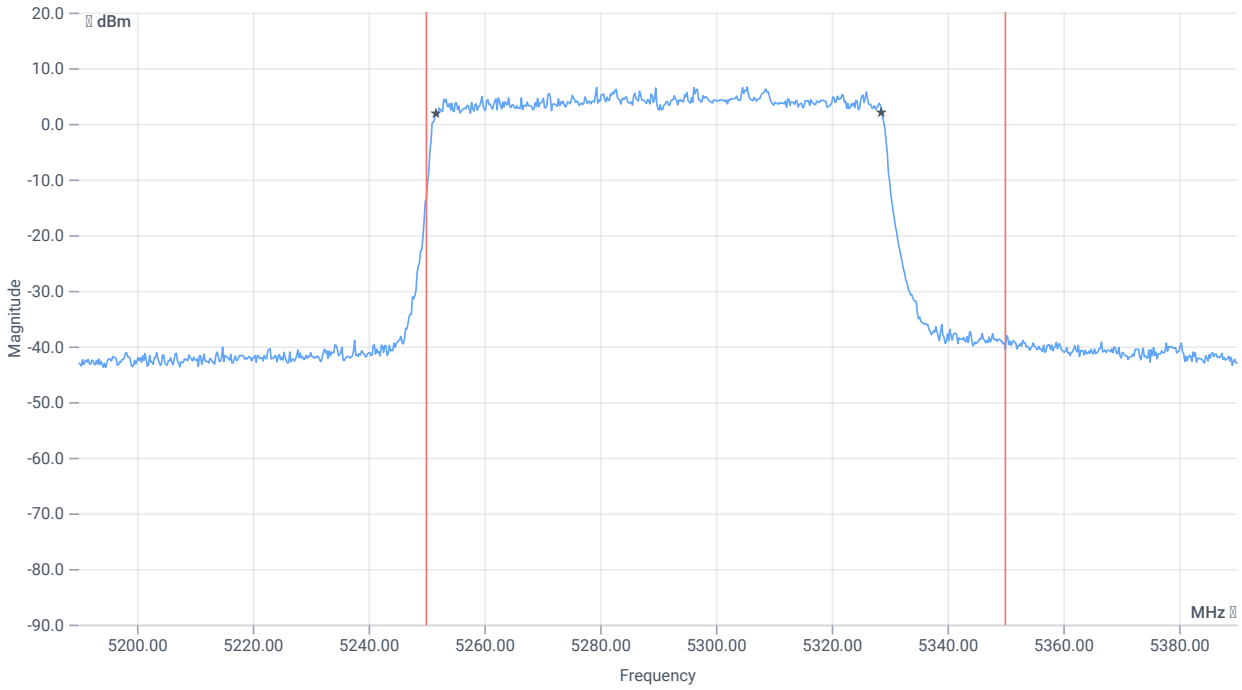
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	4.68	dBm	INFO
Ref. Frequency	---	---	5273.020	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.68 | 16.2 | 15
Start [MHz] | Stop [MHz]	5190.000 | 5390.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE



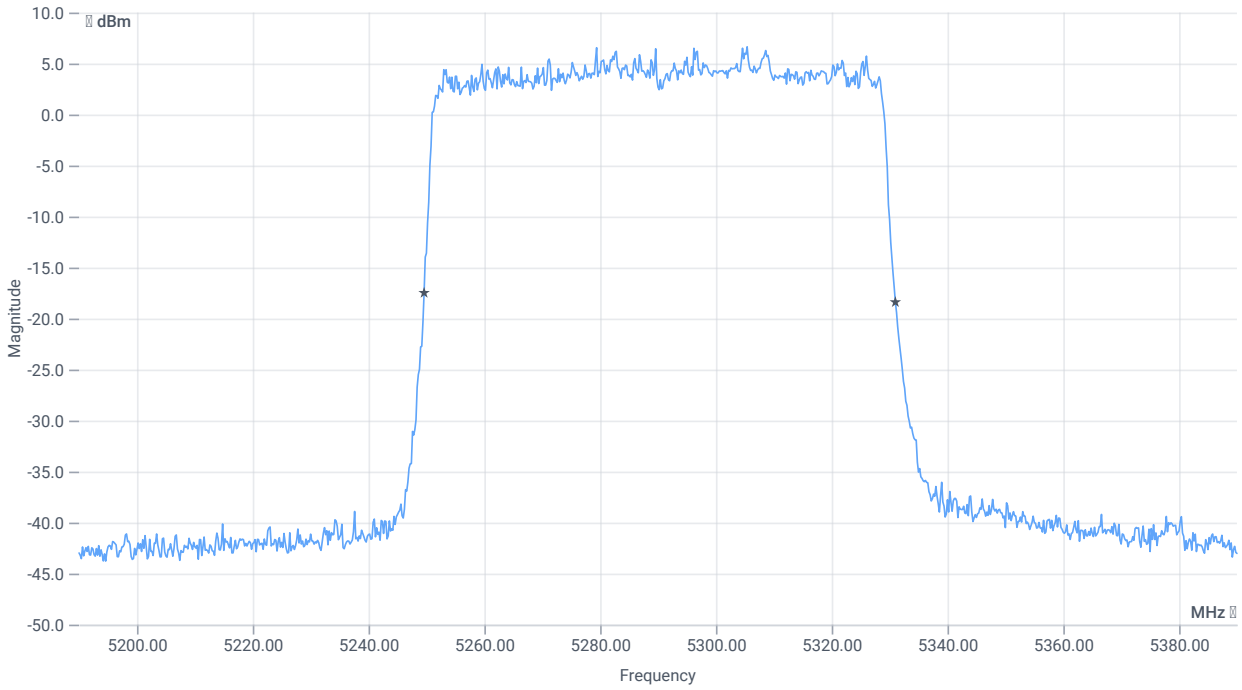
BW 99PCT



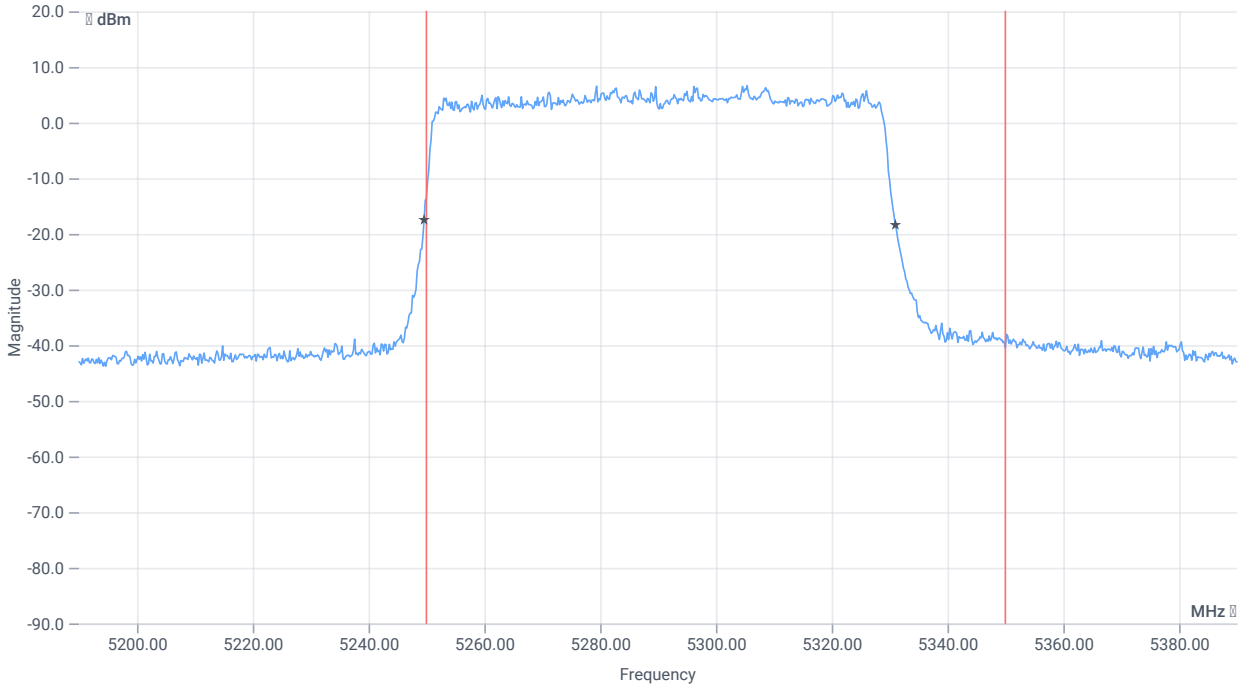
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5250.000000	---	5251.6384	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.5614	MHz	PASS



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.4	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5250.000000	---	5249.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5331.0000	MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:29:35
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-2A
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

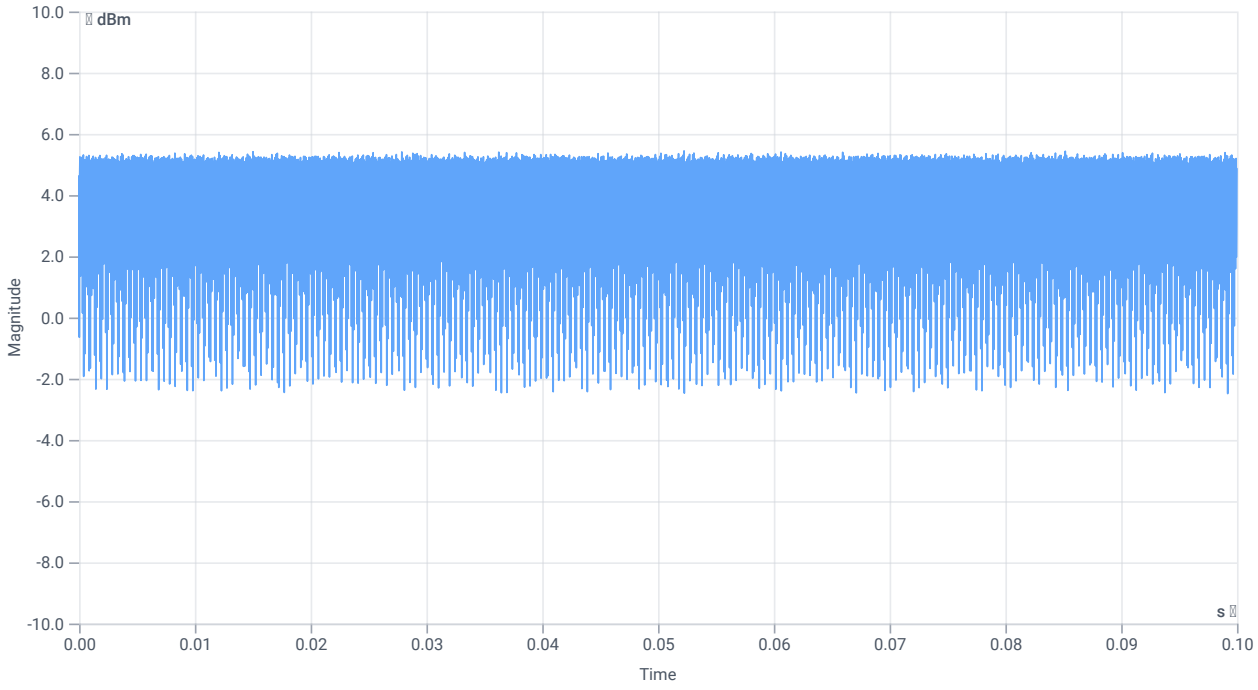
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	5.03	dBm	INFO
Ref. Frequency	---	---	5307.980	MHz	INFO

Evaluation max. Duty Cycle

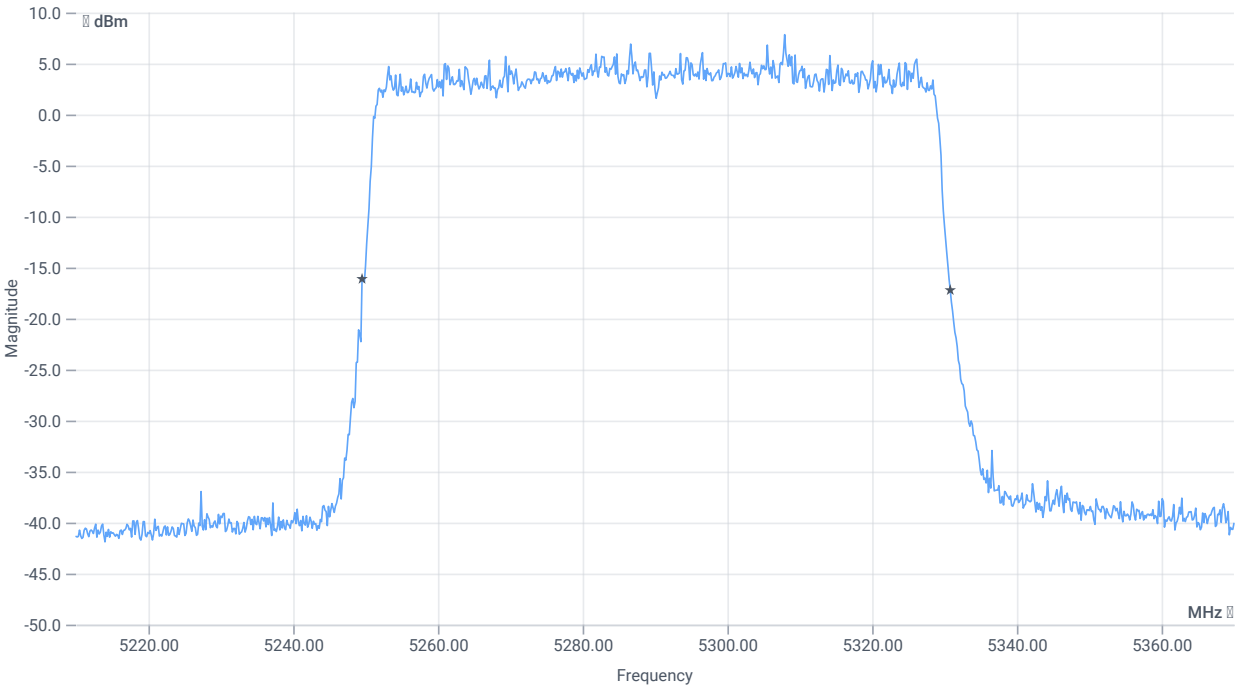
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

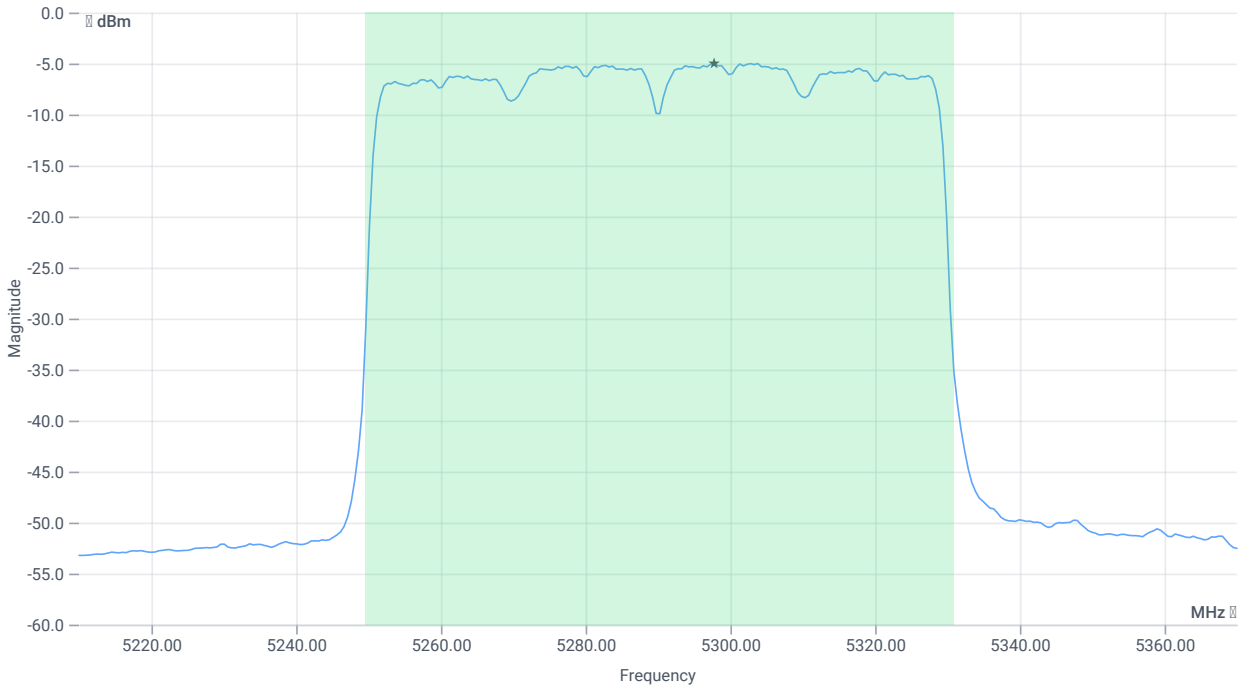
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.28	MHz	INFO
T1 26dB	---	---	5249.5200	MHz	INFO
T2 26dB	---	---	5330.8000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.03 | 16.2 | 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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	12.48	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	12.48	dBm	PASS
Limit: 11 dBm + 10 log	81.28				
Max Output Power DC corrected	---	30.1	12.48	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-4.99	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.99	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:22:39
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-2A
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

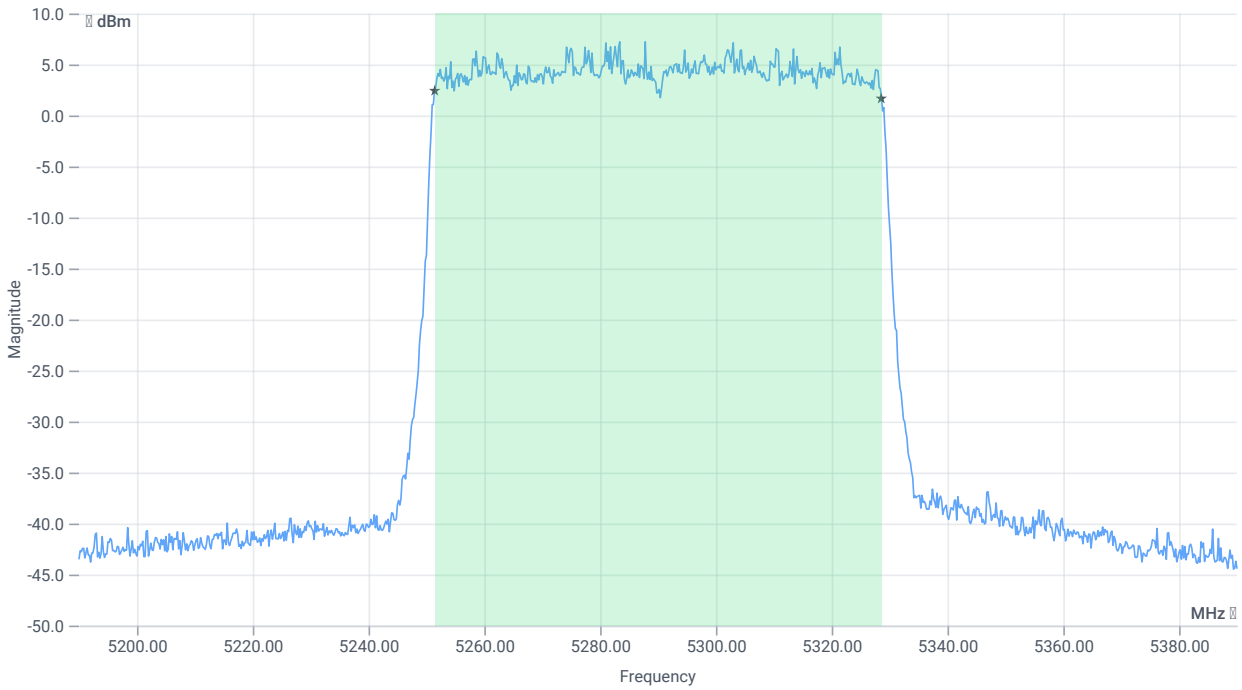
Test at TX 5290 MHz

RESULT: Reference Power cond.

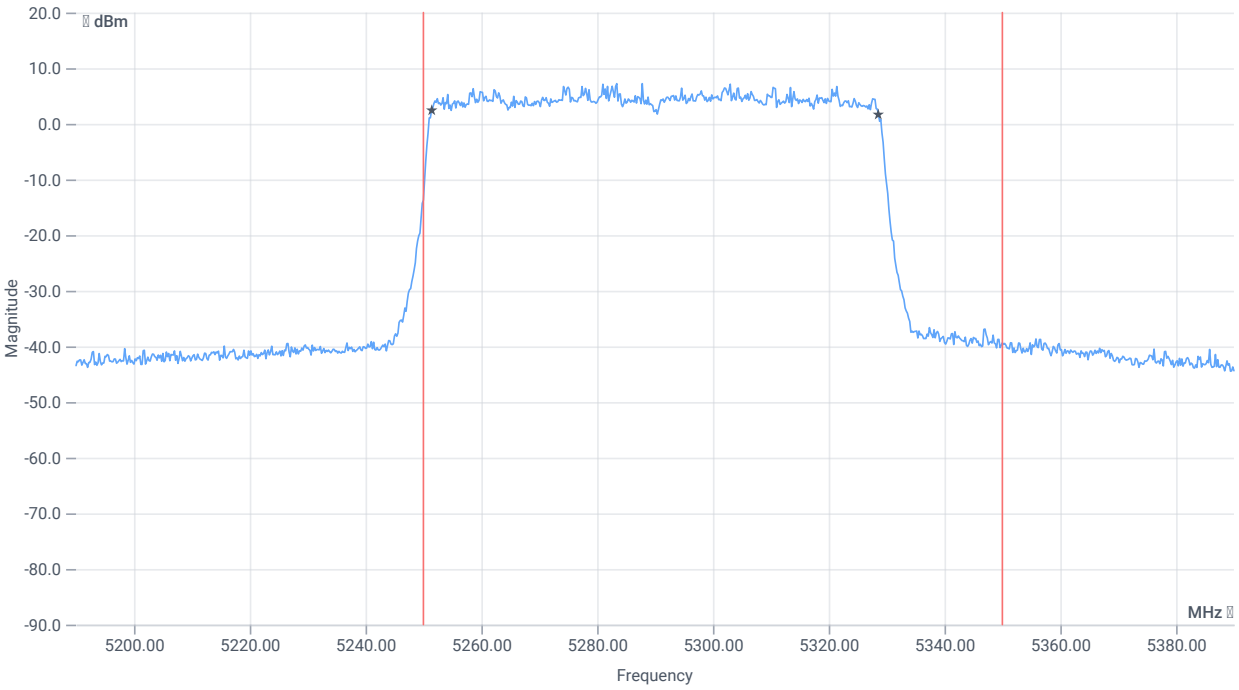
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	6.78	dBm	INFO
Ref. Frequency	---	---	5302.390	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.78 | 16.2 | 15
Start [MHz] | Stop [MHz]	5190.000 | 5390.000
RBW [MHz] | VBW [MHz]	1.000000 | 5.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE



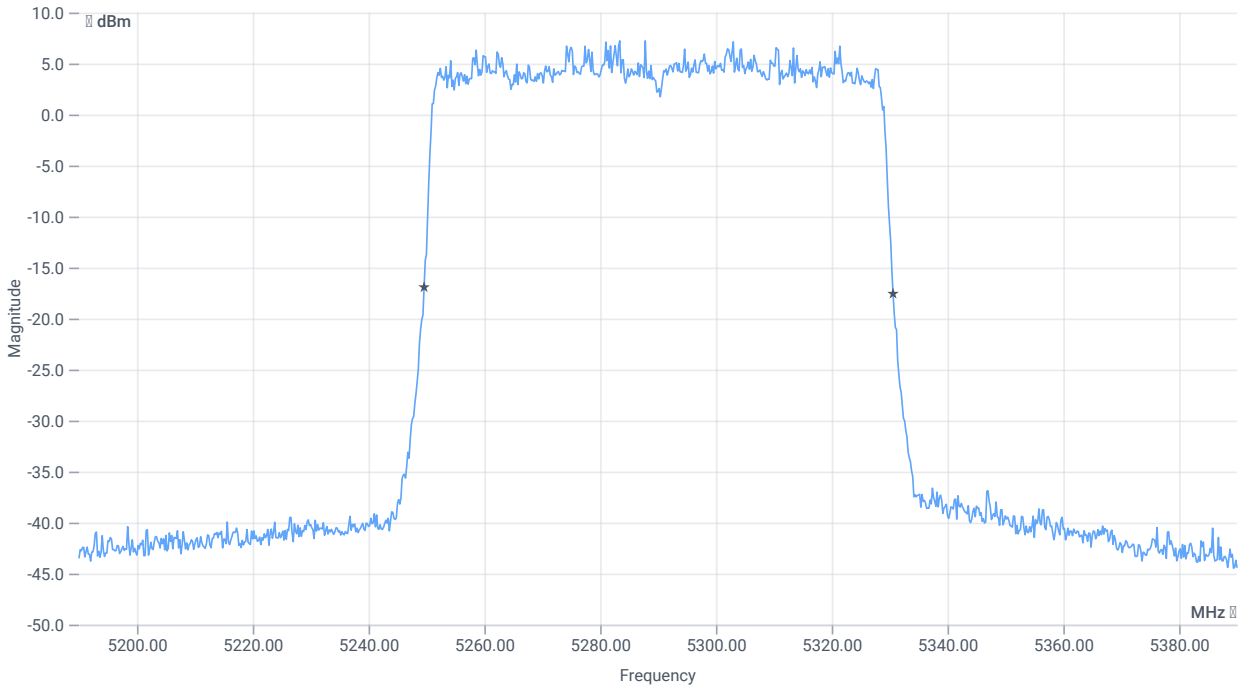
BW 99PCT



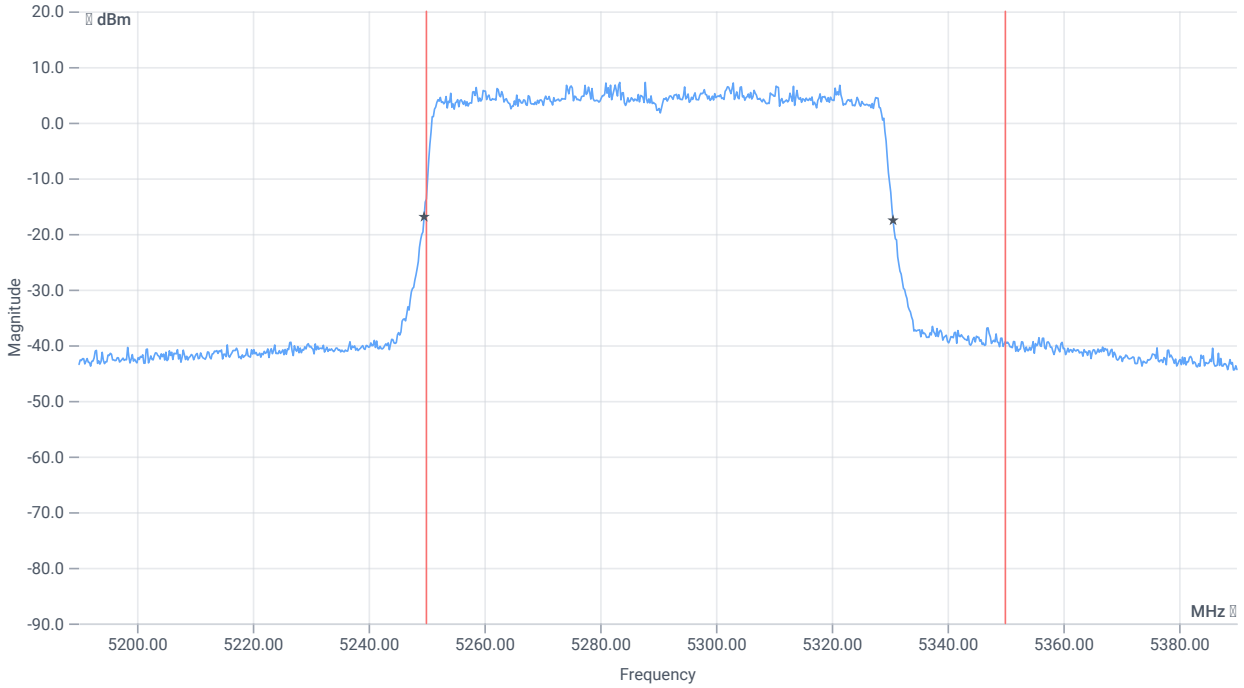
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	77.123	MHz	INFO
T1 99%	5250.000000	---	5251.4386	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.5614	MHz	PASS



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81	MHz	INFO

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
T1 26dB	5250.000000	---	5249.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.6000	MHz	PASS

Verdict
PASS

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

Test References

TC Start	13.02.2023 16:20:08
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-2A
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

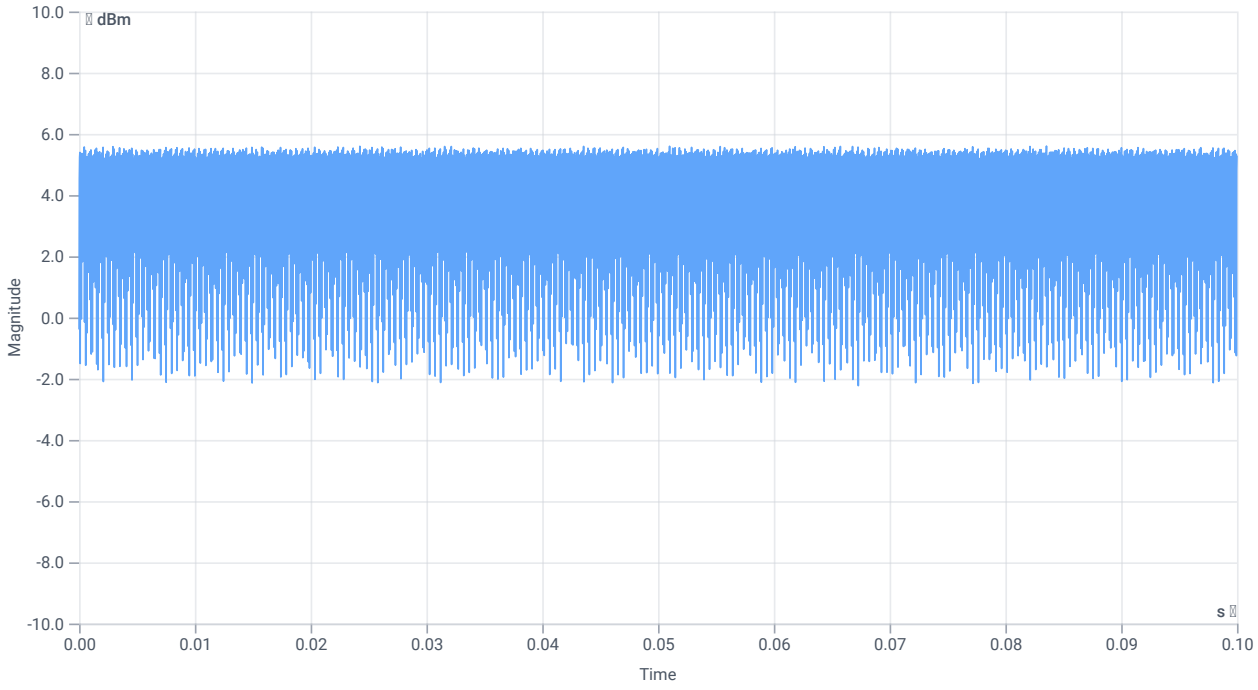
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	4.91	dBm	INFO
Ref. Frequency	---	---	5301.790	MHz	INFO

Evaluation max. Duty Cycle

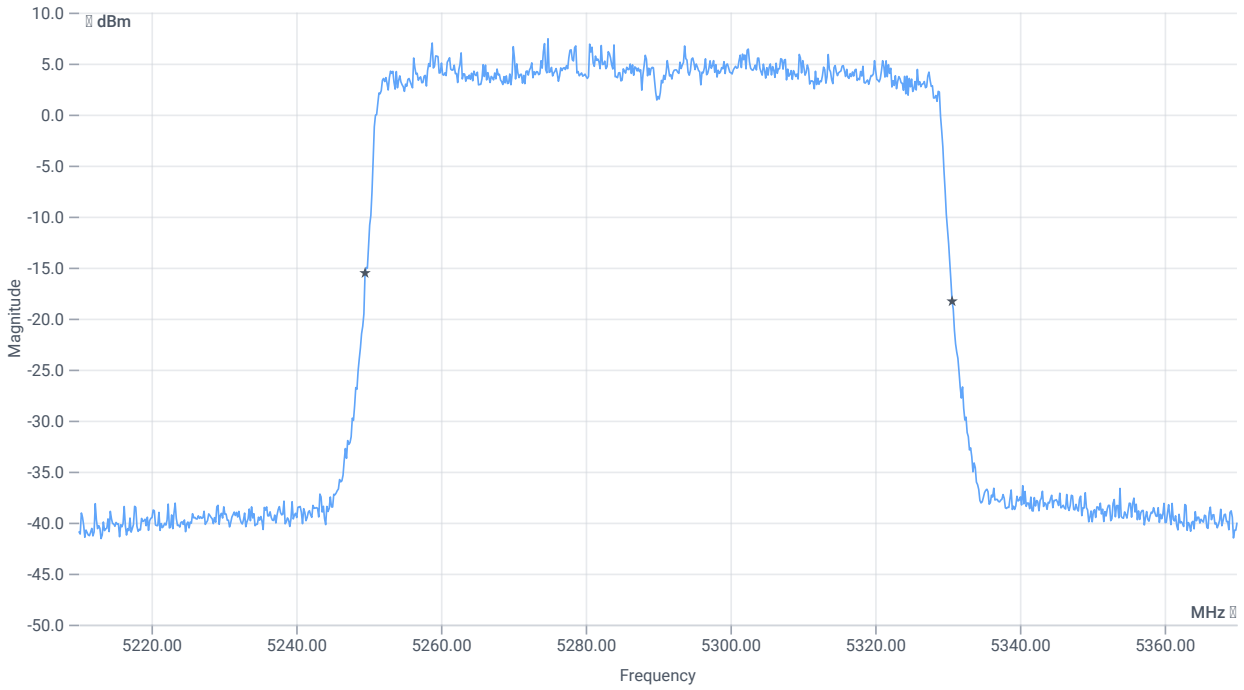
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

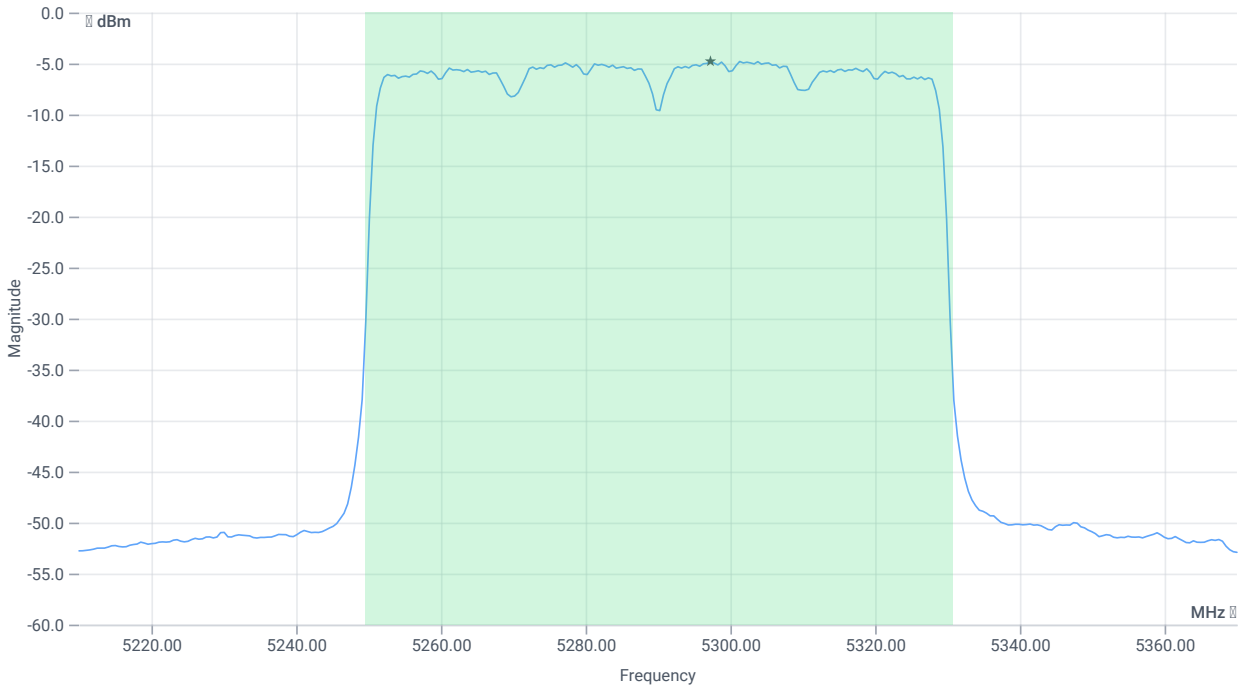
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.12	MHz	INFO
T1 26dB	---	---	5249.5200	MHz	INFO
T2 26dB	---	---	5330.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.91 | 16.2 | 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



Max OP and PSD

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					
Max Output Power DC corrected	---	24	12.78	dBm	PASS
Limit: 11 dBm + 10 log	81.12				
Max Output Power DC corrected	---	30.09	12.78	dBm	PASS

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-4.78	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.78	dBm/1MHz	PASS

Verdict
PASS

FCC 15.247 # MIMO Power PSD Calculator ~ WLAN5Gx ax-HE80 U-NII-1

Test References

TC Start	13.02.2023 16:19:49
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
Test Specification	FCC 15.247 -
Test Method	
TC Version	0.0.1
My Description	FCC MIMO_Power_PSD_Calculator - WLAN5Gx ax-HE80 U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 5210
Frequency high to test	False | Freq [MHz] 0
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	None

Test Equipment

Test at TX 5210 MHz

RESULT Power

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:2 Max Output Power DC corrected	---	---	13.91	dBm	INFO
Ant:2 BW 26dB	---	---	80.960	MHz	INFO
Ant:1 Max Output Power DC corrected	---	---	13.59	dBm	INFO
Ant:1 BW 26dB	---	---	81.440	MHz	INFO
∑ Limit absolute	---	24	16.76	dBm	PASS
∑ Limit: 11 dBm + 10 log 80.96	---	30.08	16.76	dBm	na

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:2 PSD	---	---	-3.35	dBm/1MHz	INFO
Ant:1 PSD	---	---	-3.83	dBm/1MHz	INFO
∑	---	11	-0.57	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-1

Test References

TC Start	13.02.2023 16:19:06
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

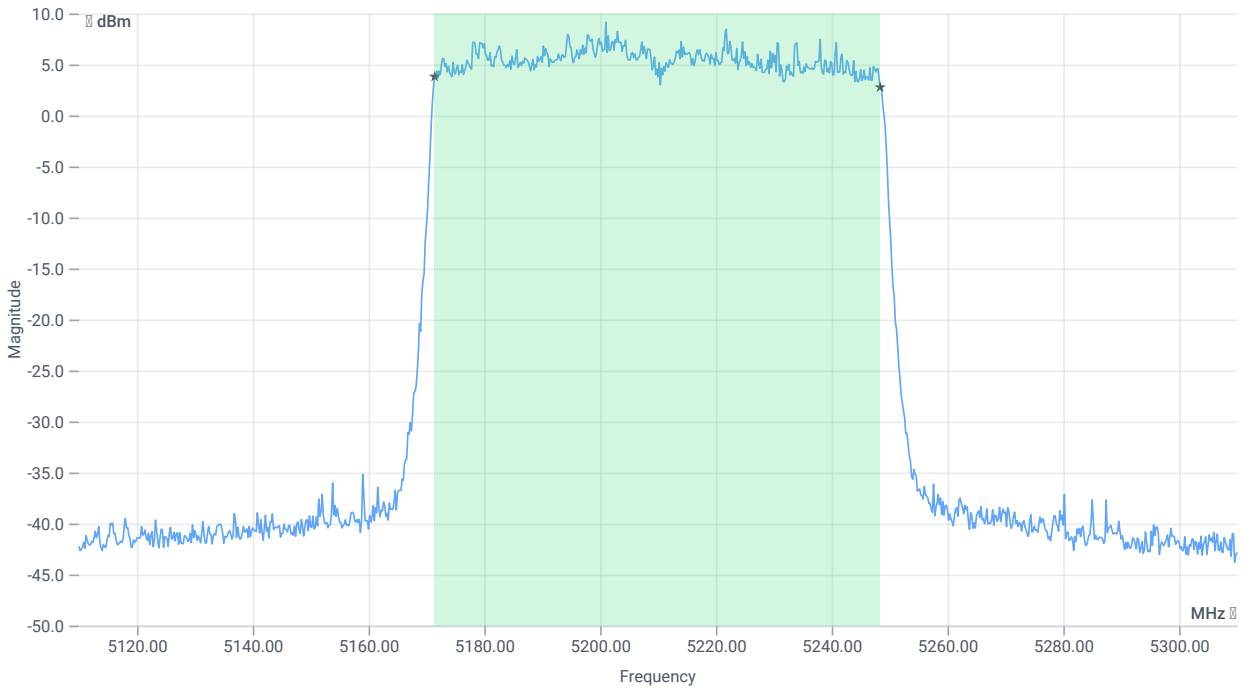
Test at TX 5210 MHz

RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	6.67	dBm	INFO
Ref. Frequency	---	---	5202.010	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.67 | 16.4 | 15
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

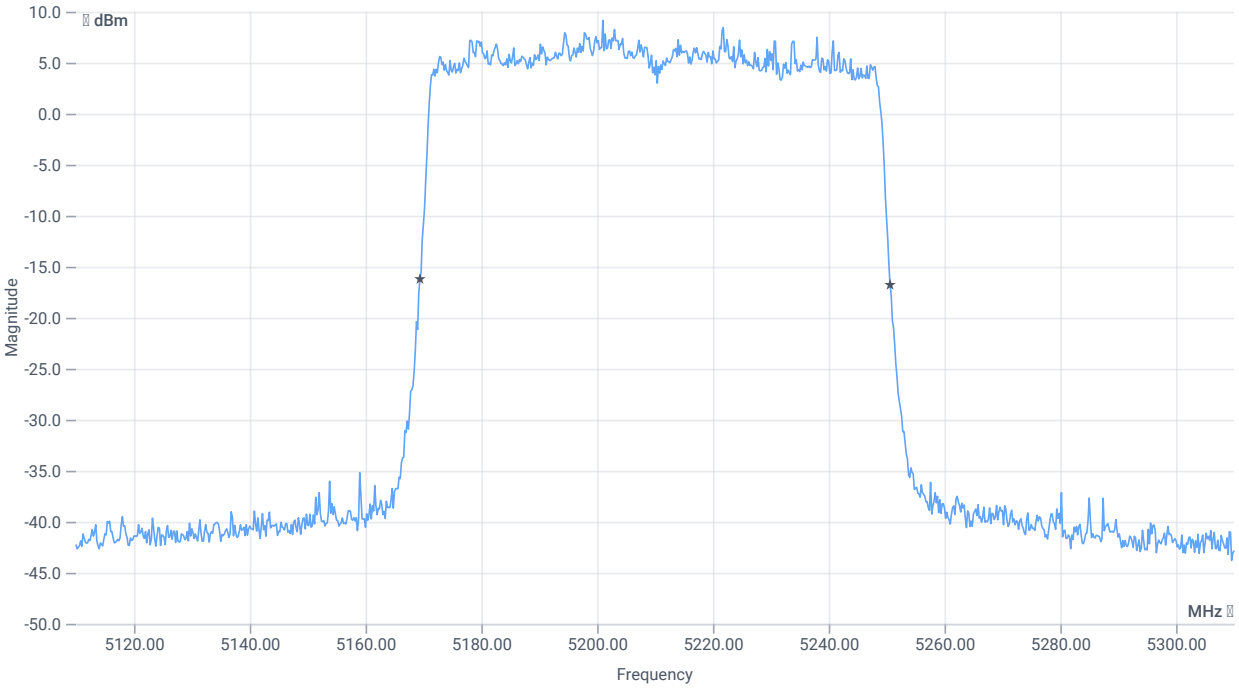


BW 99PCT

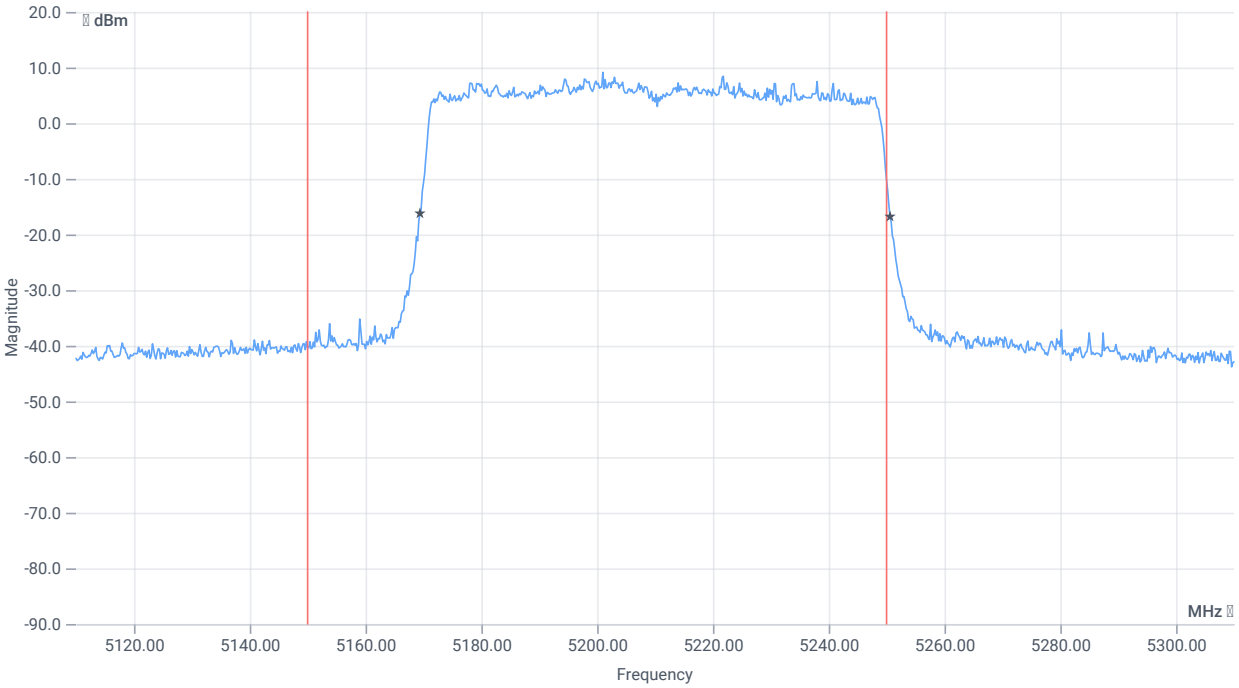
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5150.000000	---	5171.4386	MHz	PASS
T2 99%	---	5250.000000	5248.3616	MHz	PASS



BW 26dB



BW within Band 26dB

RESULT

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

Verdict
PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-1

Test References

TC Start	13.02.2023 16:16:35
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

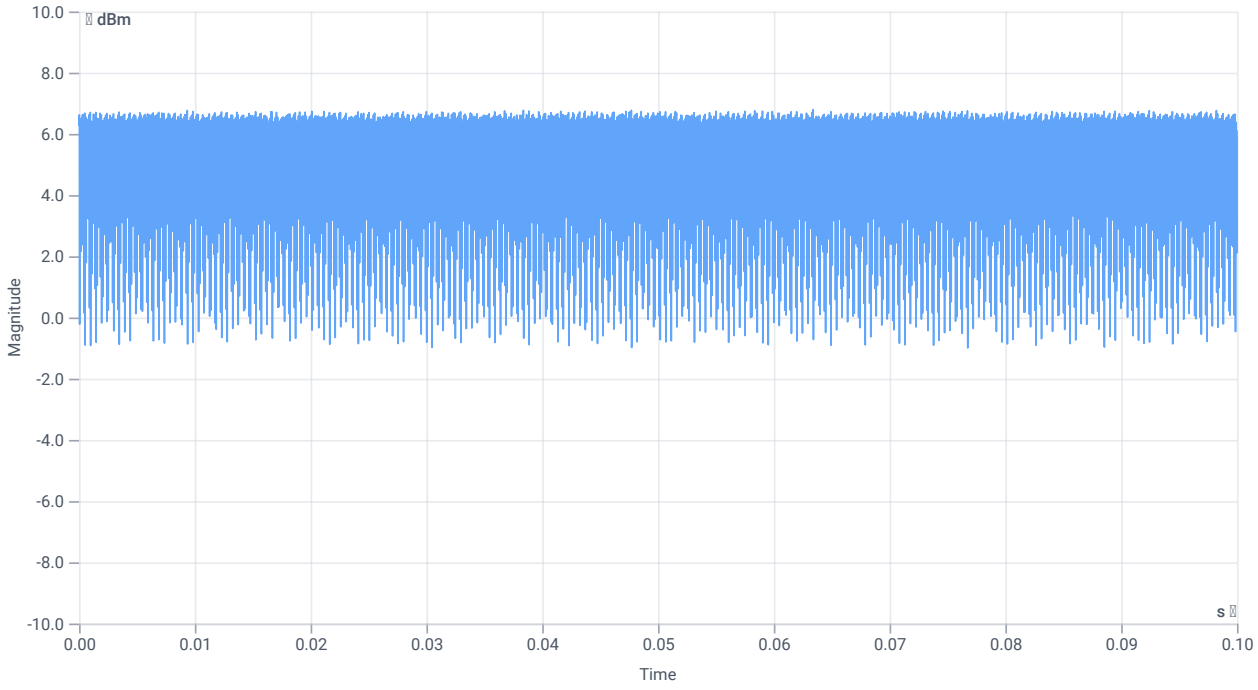
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	7.10	dBm	INFO
Ref. Frequency	---	---	5185.020	MHz	INFO

Evaluation max. Duty Cycle

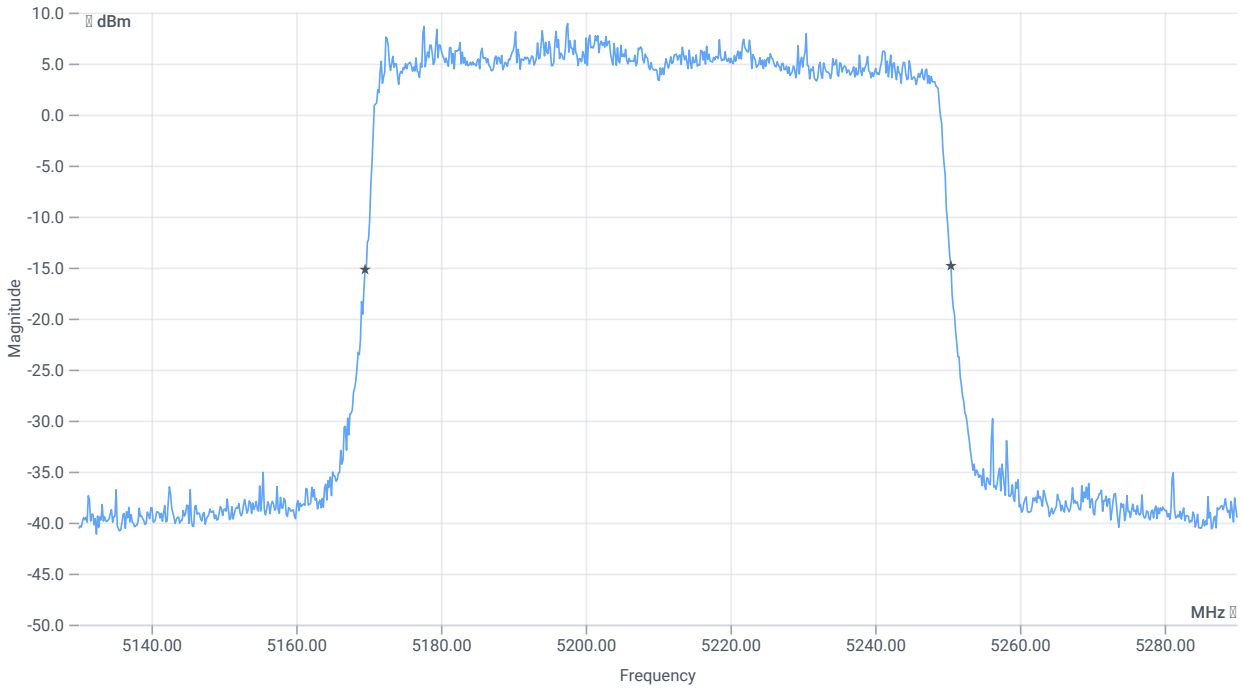
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

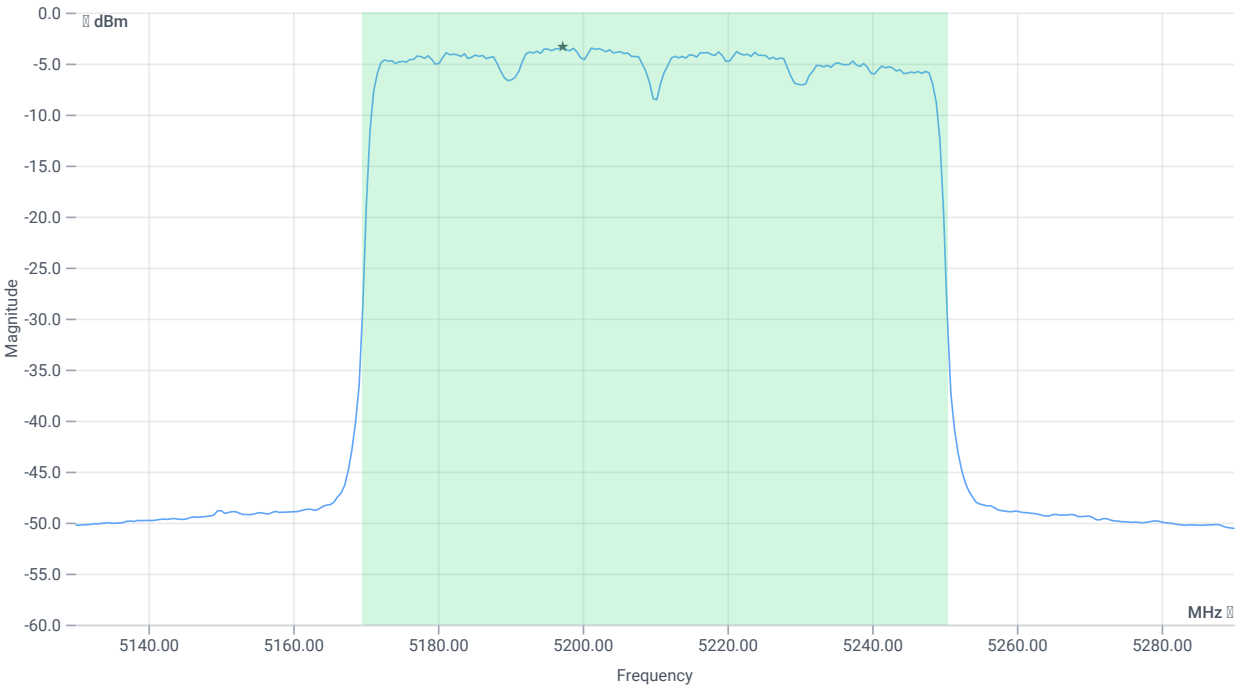
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	80.96	MHz	INFO
T1 26dB	---	---	5169.5200	MHz	INFO
T2 26dB	---	---	5250.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.10 | 16.4 | 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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	13.91	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	13.91	dBm	PASS
Limit: 11 dBm + 10 log	80.96				
Max Output Power DC corrected	---	30.08	13.91	dBm	na

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-3.35	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.35	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-1

Test References

TC Start	13.02.2023 16:15:52
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

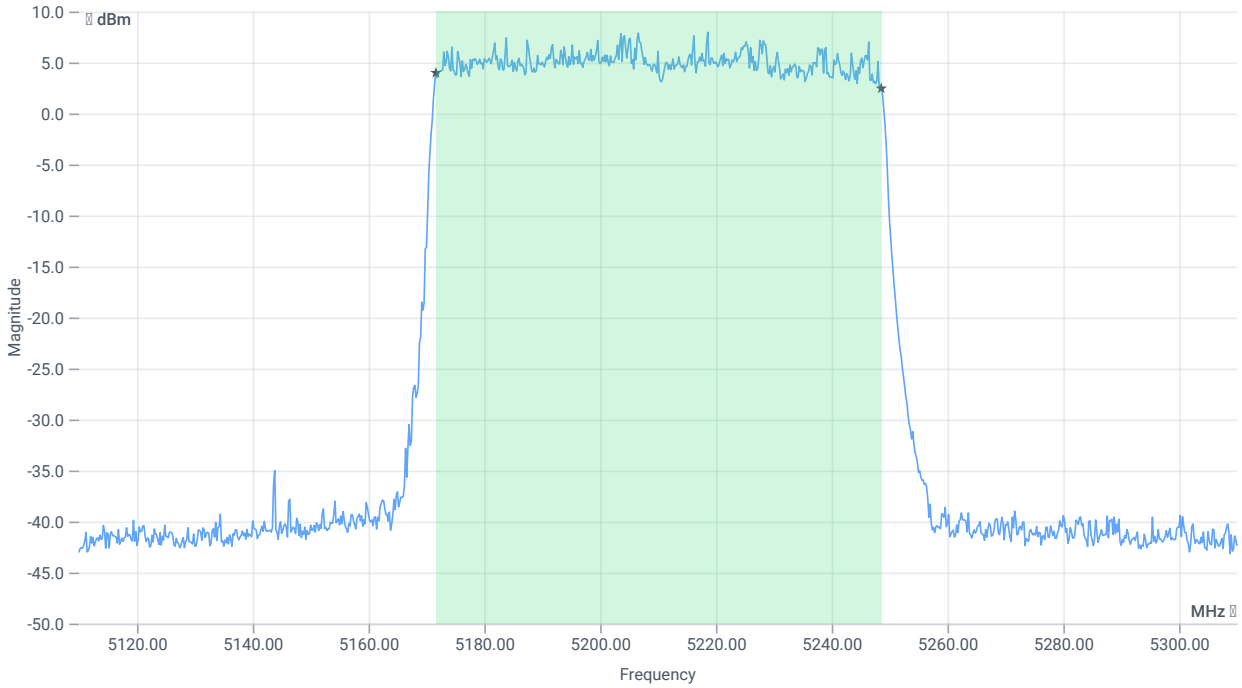
Test at TX 5210 MHz

RESULT: Reference Power cond.

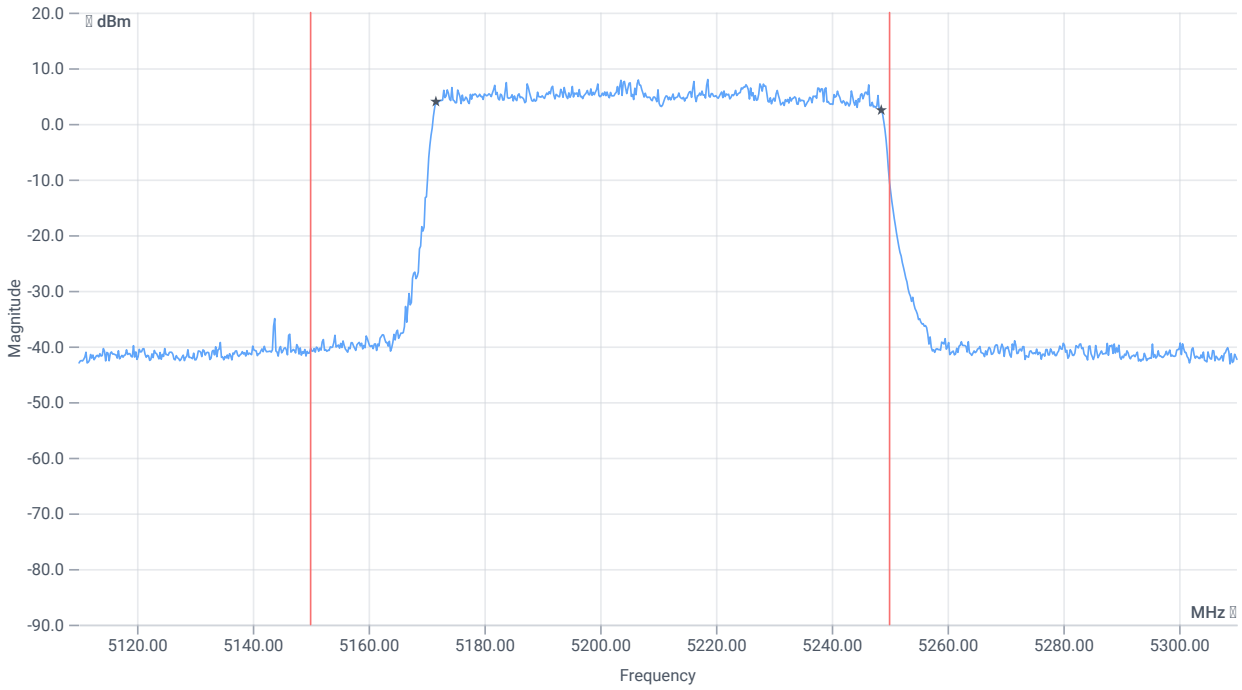
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	6.24	dBm	INFO
Ref. Frequency	---	---	5204.010	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.24 | 16.4 | 15
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



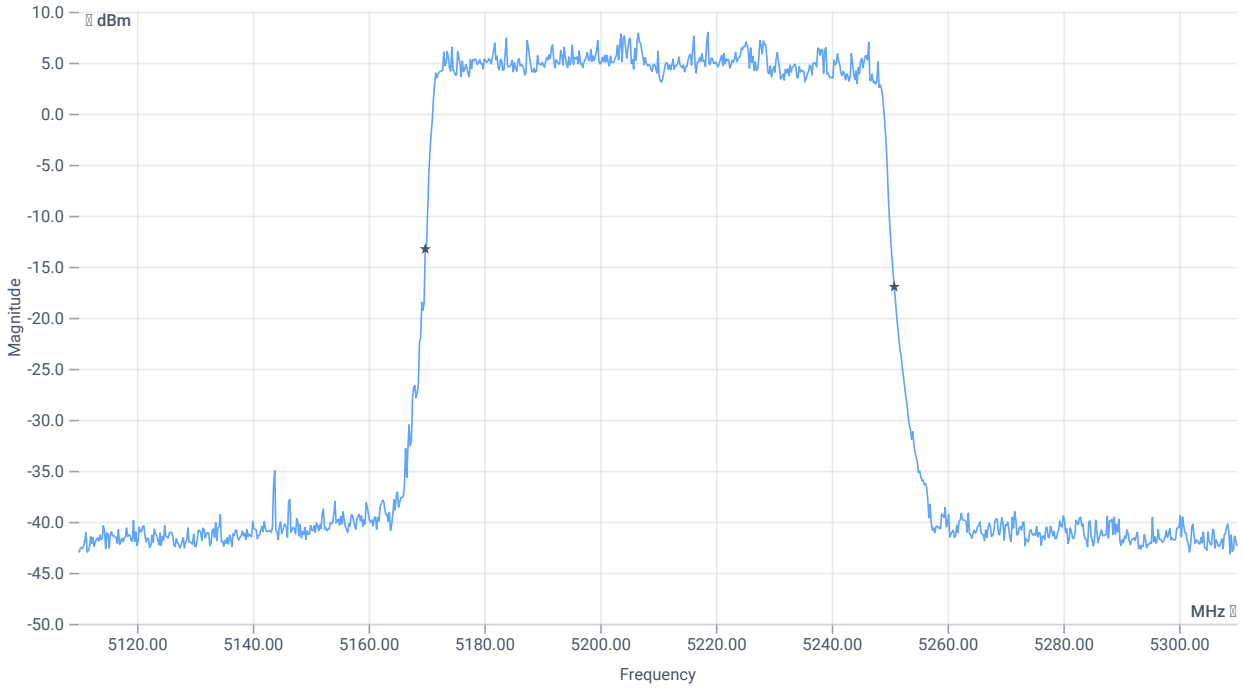
BW 99PCT



BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5150.000000	---	5171.6384	MHz	PASS
T2 99%	---	5250.000000	5248.5614	MHz	PASS



BW 26dB

BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81	MHz	INFO
T1 26dB	5150.000000	---	5169.8000	MHz	PASS
T2 26dB	---	5250.000000	5250.8000	MHz	DFS required

Verdict
PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-1

Test References

TC Start	13.02.2023 16:13:22
Ambit Temp [°C] | Humidity [rel%]	23.5 | 30
System Version	3.5.0.0
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-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

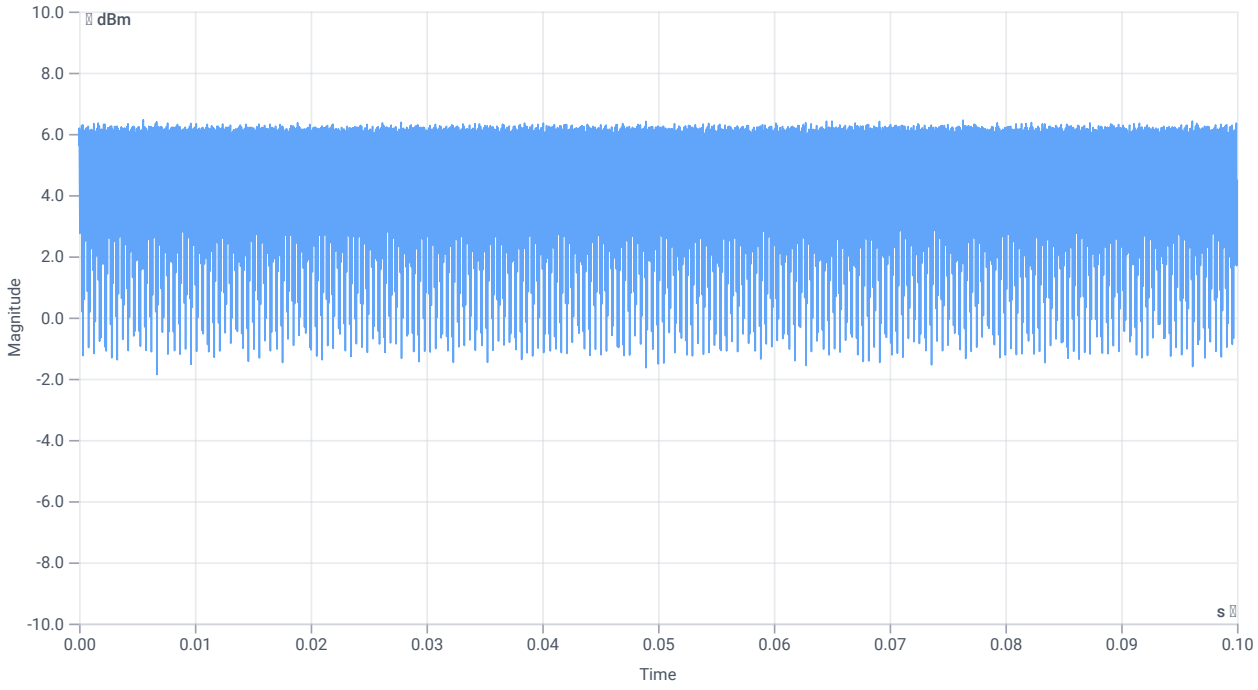
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	5.29	dBm	INFO
Ref. Frequency	---	---	5227.980	MHz	INFO

Evaluation max. Duty Cycle

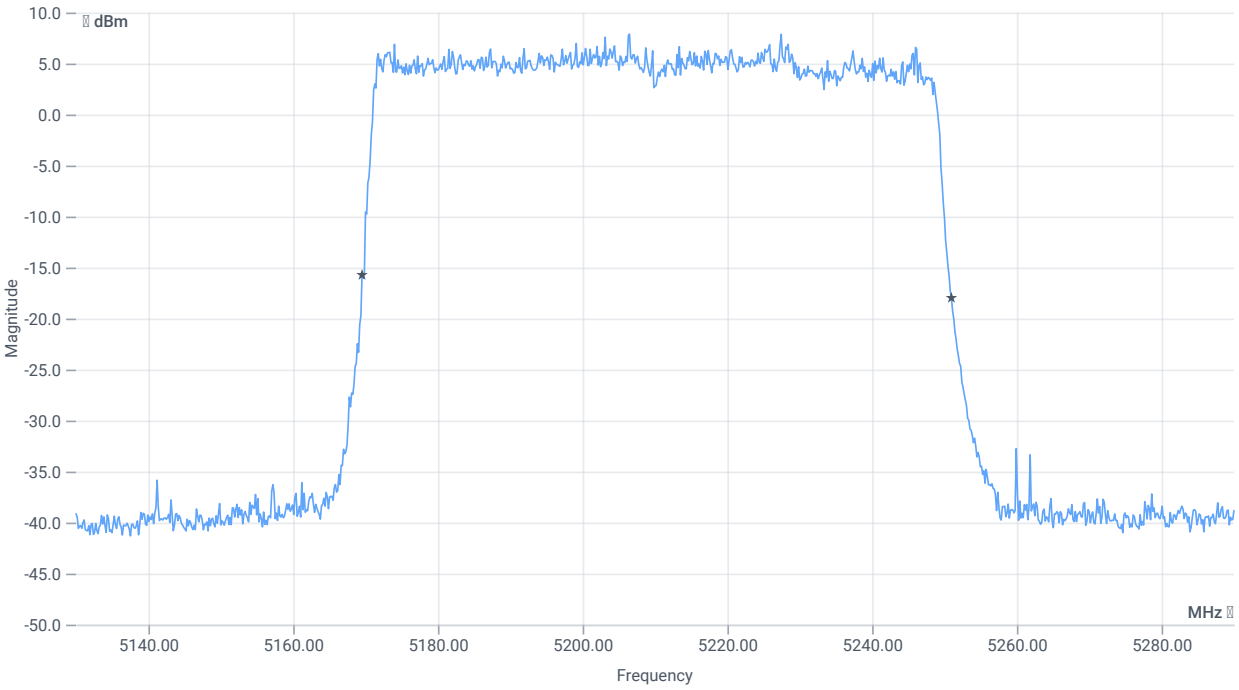
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

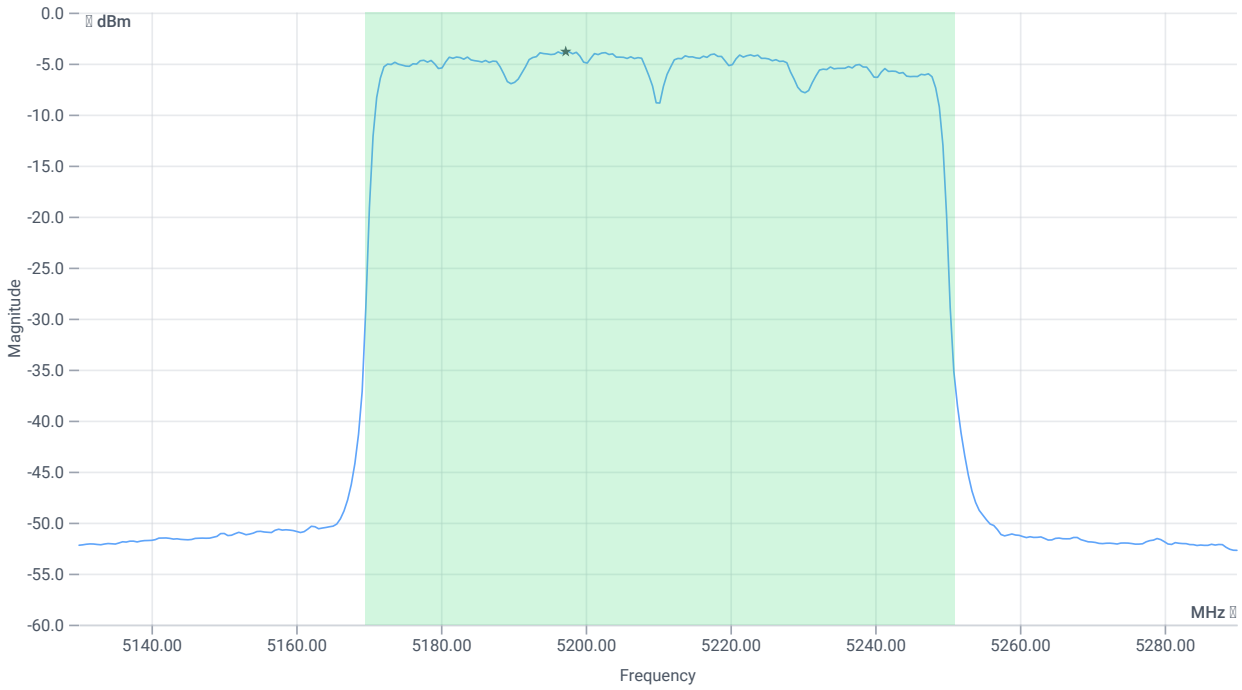
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.44	MHz	INFO
T1 26dB	---	---	5169.5200	MHz	INFO
T2 26dB	---	---	5250.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.29 | 16.4 | 15
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



Max OP and PSD

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	13.59	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	13.59	dBm	PASS
Limit: 11 dBm + 10 log	81.44				
Max Output Power DC corrected	---	30.11	13.59	dBm	na

Power Spectral Density

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-3.83	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.83	dBm/1MHz	PASS

Verdict
PASS

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

Test References

TC Start	21.02.2023 16:44:31
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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]	1.4
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	---	---	17.15	dBm	INFO
Ant:1 BW 26dB	---	---	81.760	MHz	INFO
Ant:2 Max Output Power DC corrected	---	---	17.18	dBm	INFO
Ant:2 BW 26dB	---	---	81.120	MHz	INFO
∑ Limit absolute	---	30	20.18	dBm	PASS
∑ Limit: 11 dBm + 10 log 81.12	---	30.09	20.18	dBm	na

RESULT PSD

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ant:1 PSD	---	---	-2.88	dBm/0.5MHz	INFO
Ant:2 PSD	---	---	-2.81	dBm/0.5MHz	INFO
∑	---	30	0.17	dBm/0.5MHz	PASS

Verdict
PASS

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

Test References

TC Start	21.02.2023 16:44:02
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

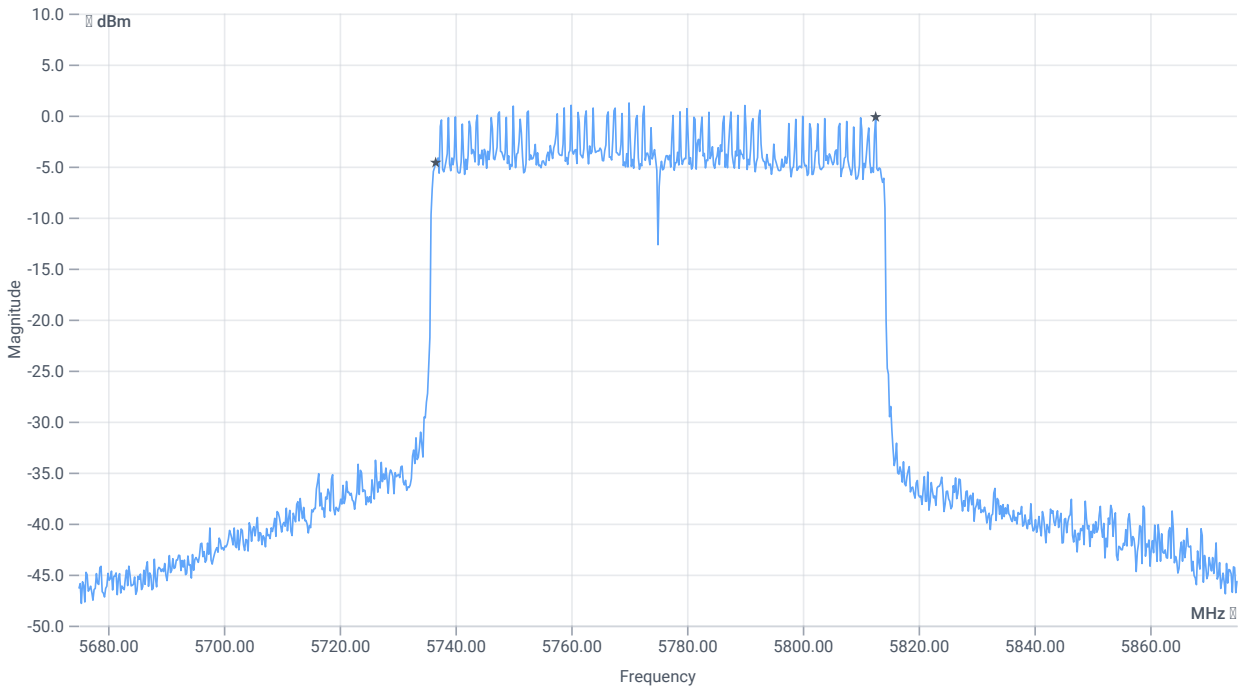
Test at TX 5775 MHz

RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	8.98	dBm	INFO
Ref. Frequency	---	---	5765.810	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.98 | 16.82 | 20
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



BW 6dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth (6dB)	0.500	---	76	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-3

Test References

TC Start	21.02.2023 16:43:25
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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-3
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

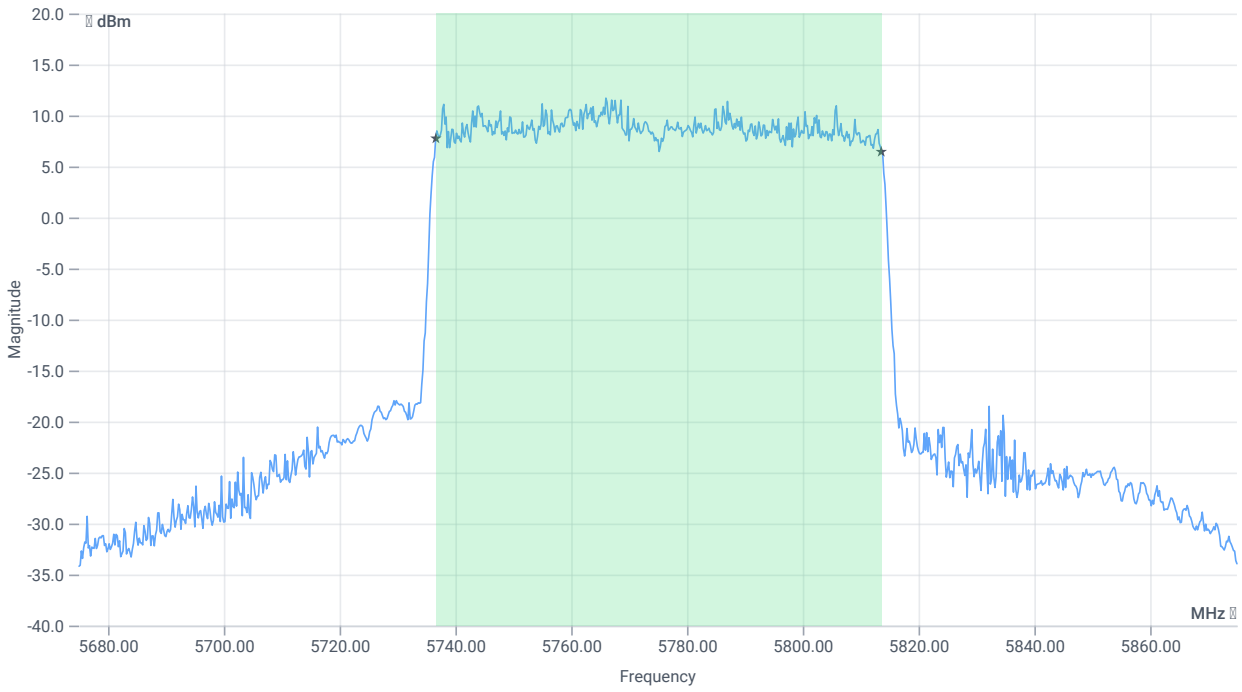
Test at TX 5775 MHz

RESULT: Reference Power cond.

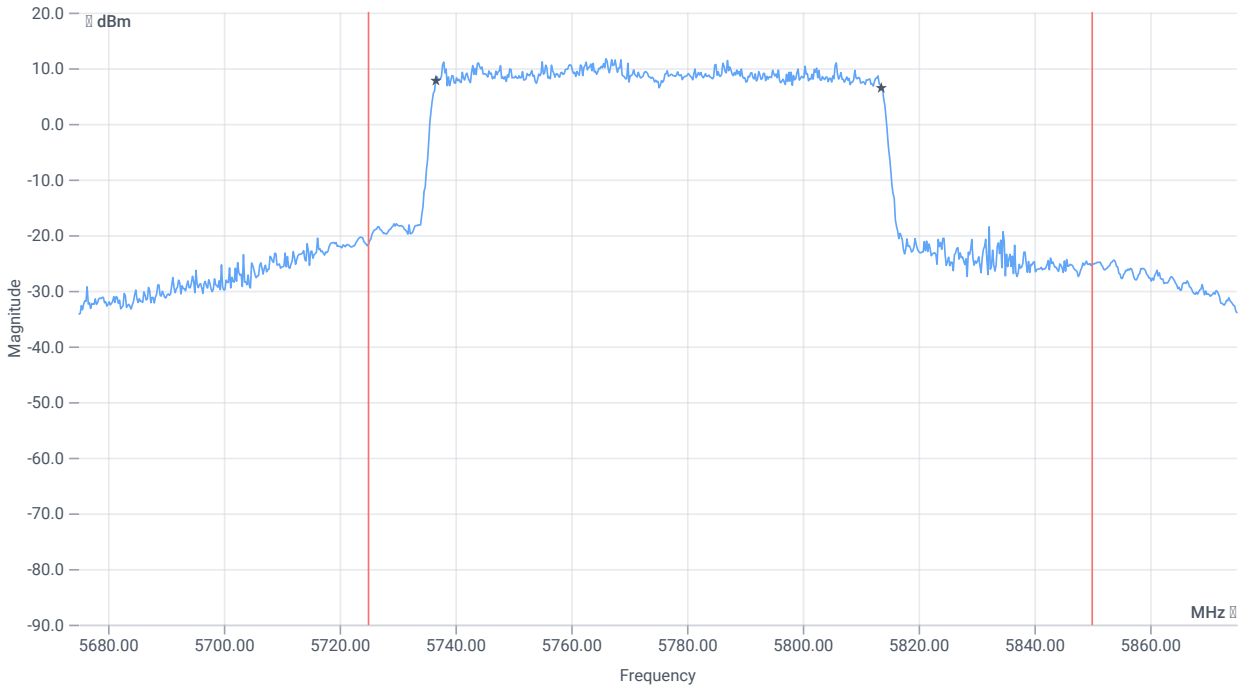
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	9.37	dBm	INFO
Ref. Frequency	---	---	5745.830	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.37 | 16.82 | 20
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



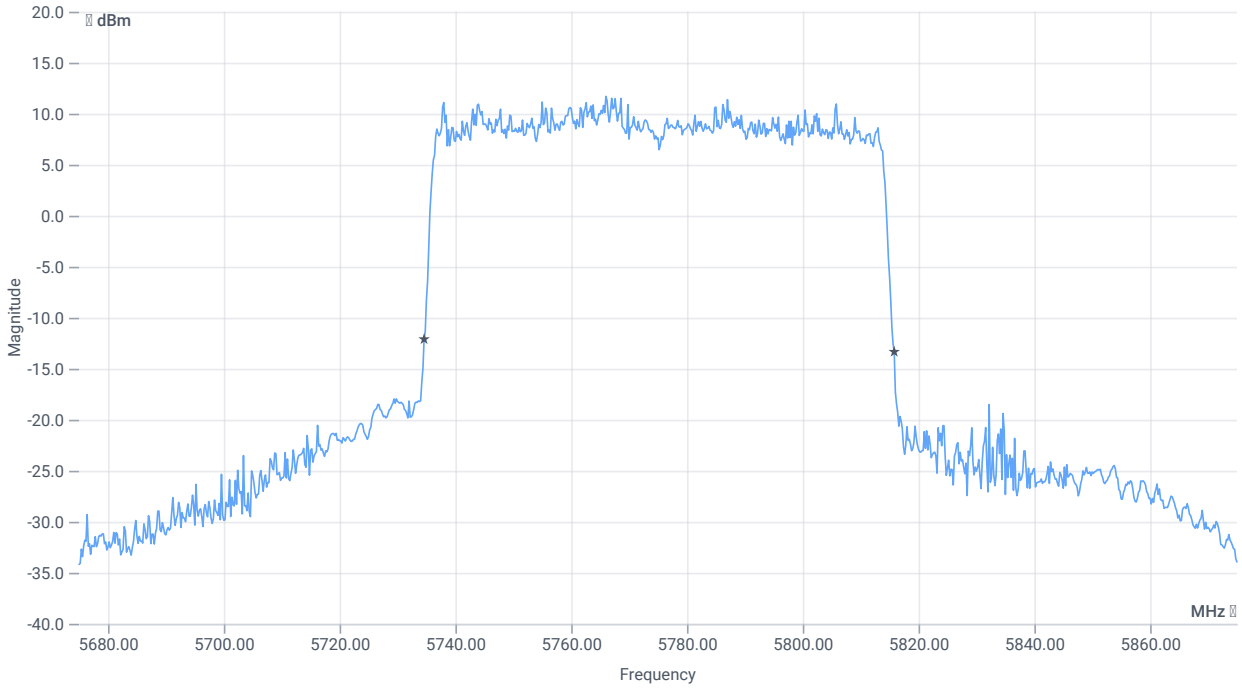
BW 99PCT



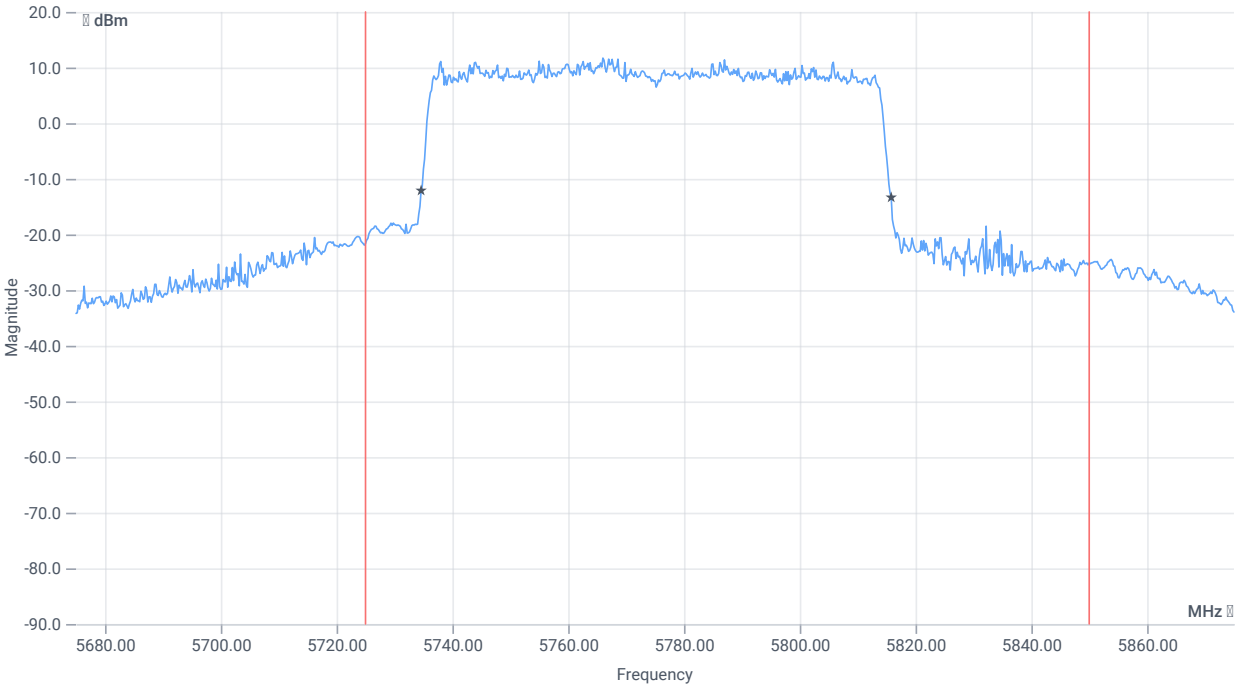
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5725.000000	---	5736.6384	MHz	PASS
T2 99%	---	5850.000000	5813.5614	MHz	PASS



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.2	MHz	INFO
T1 26dB	5725.000000	---	5734.6000	MHz	PASS
T2 26dB	---	5850.000000	5815.8000	MHz	PASS

Verdict
PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3

Test References

TC Start	21.02.2023 16:39:02
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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-3
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

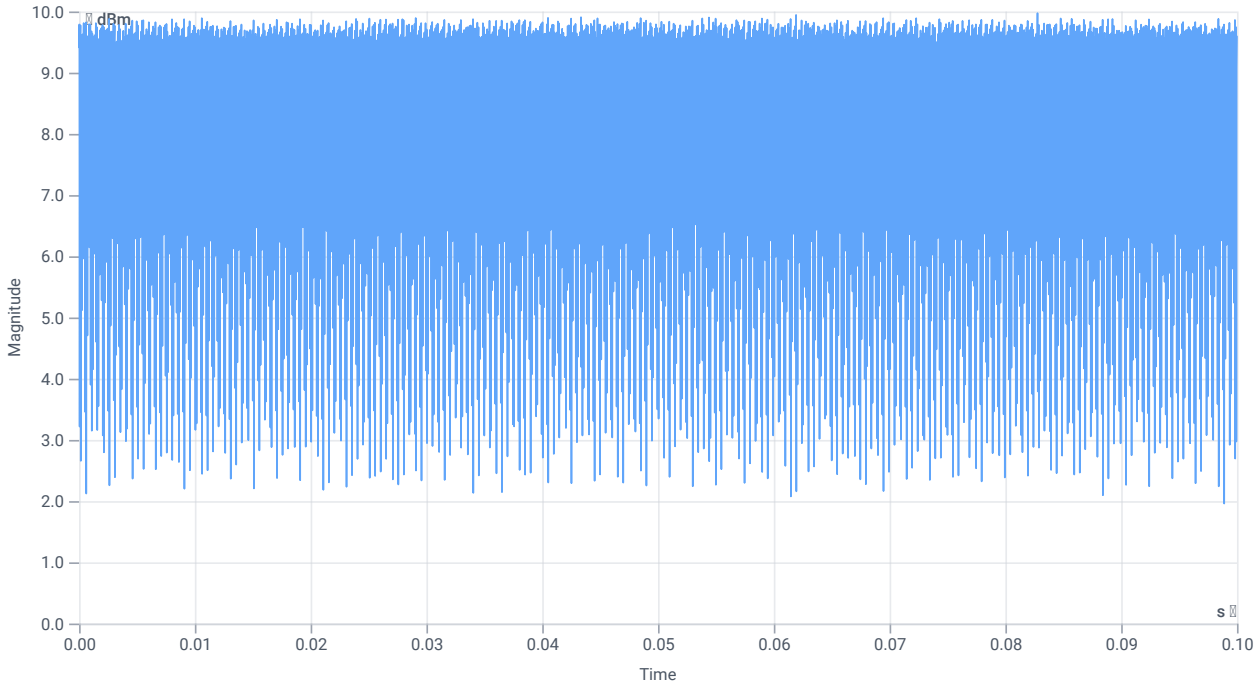
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	8.99	dBm	INFO
Ref. Frequency	---	---	5759.020	MHz	INFO

Evaluation max. Duty Cycle

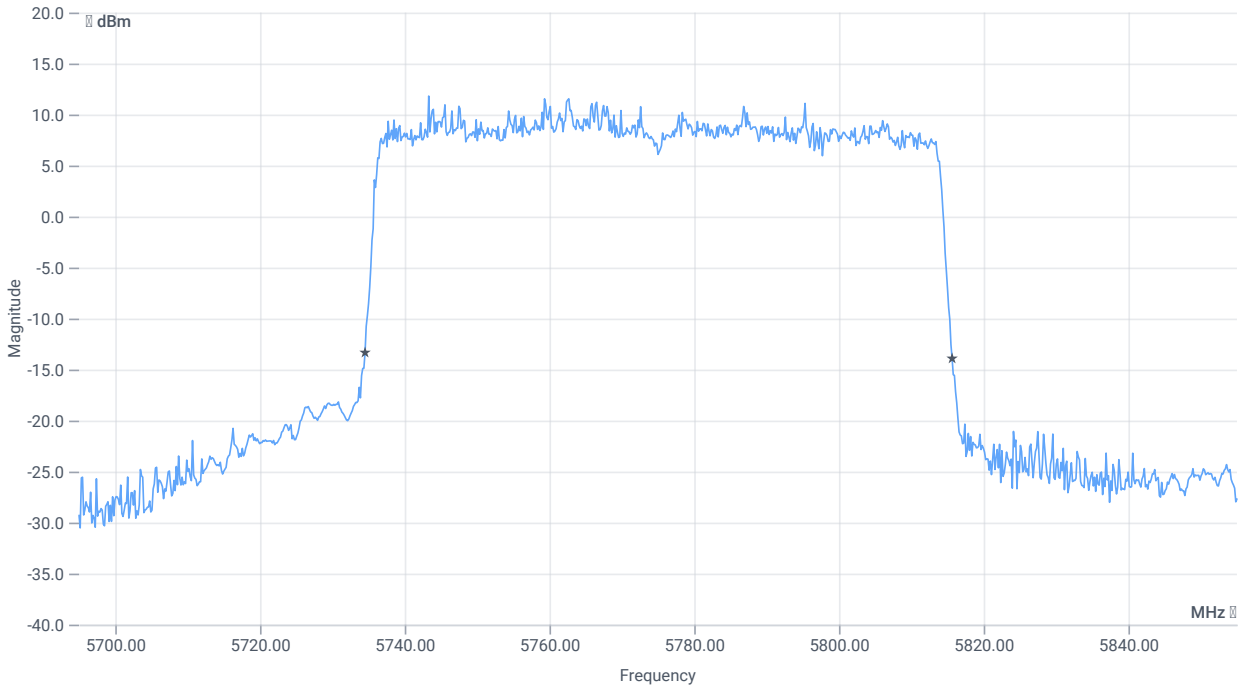
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

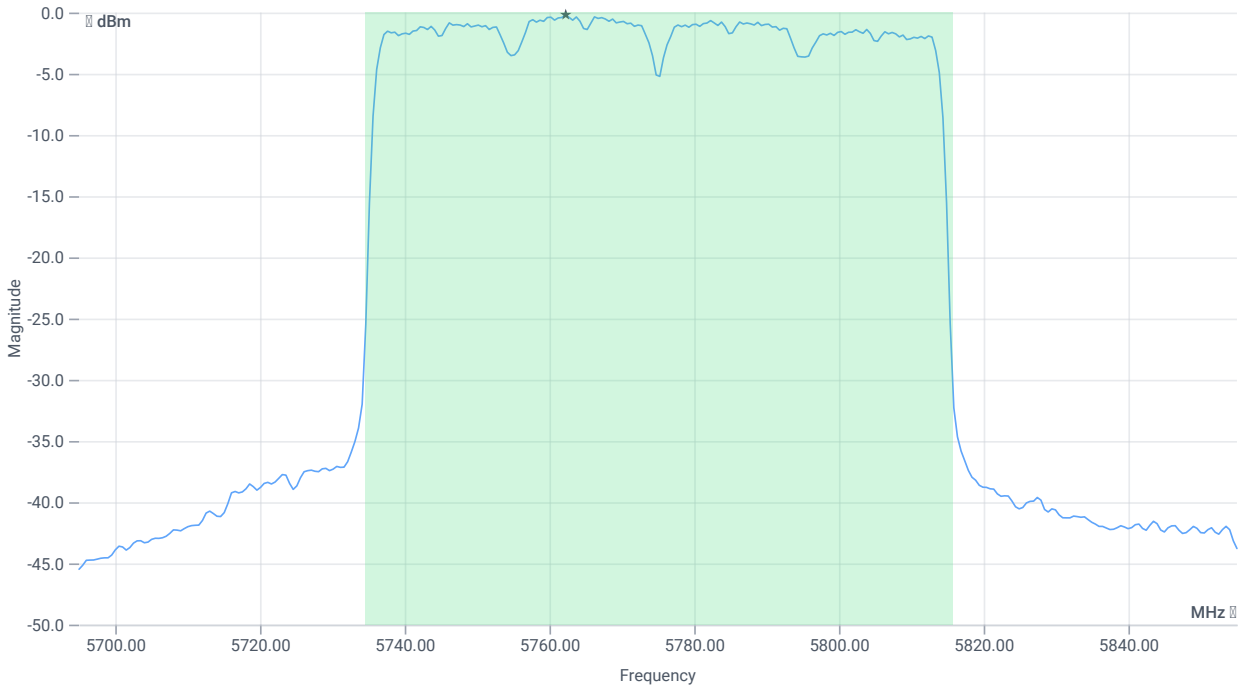
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.12	MHz	INFO
T1 26dB	---	---	5734.5200	MHz	INFO
T2 26dB	---	---	5815.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.99 | 16.82 | 20
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



Max OP and PSD

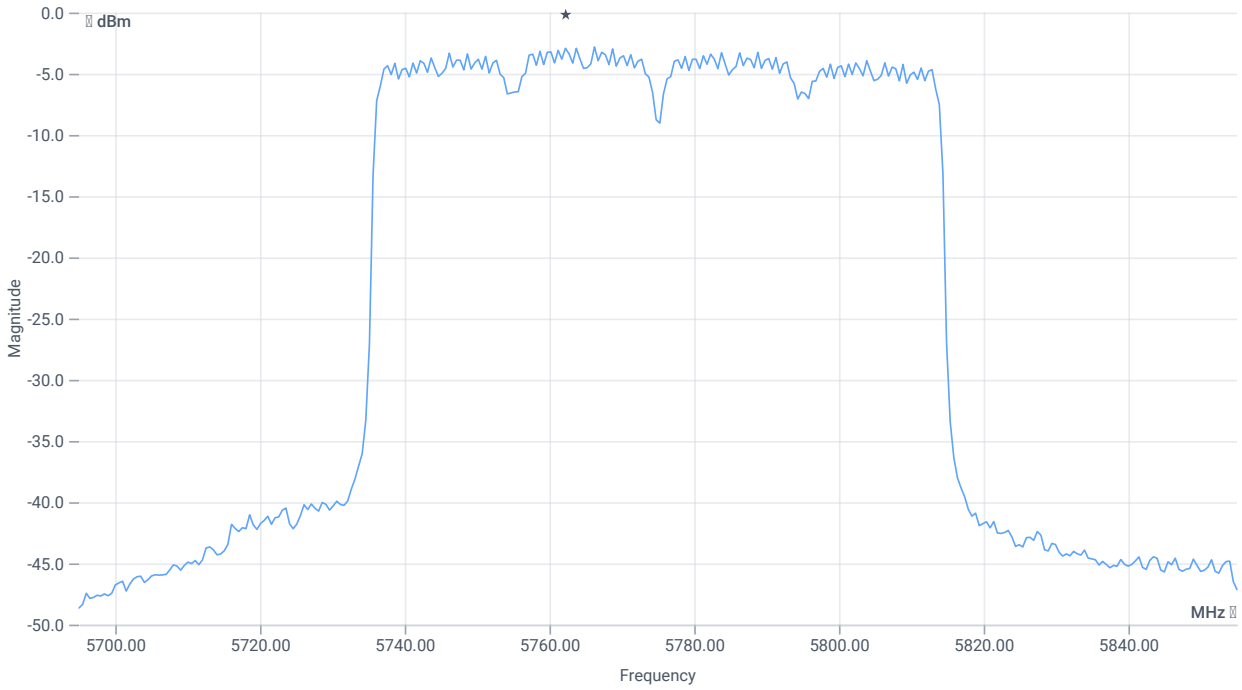
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	17.18	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	17.18	dBm	PASS
Limit: 11 dBm + 10 log 81.12					
Max Output Power DC corrected	---	30.09	17.18	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.99 | 16.82 | 20
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



PSD UNII-3

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-2.81	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-2.81	dBm/0.5MHz	PASS

Verdict
PASS

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

Test References

TC Start	21.02.2023 16:38:34
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

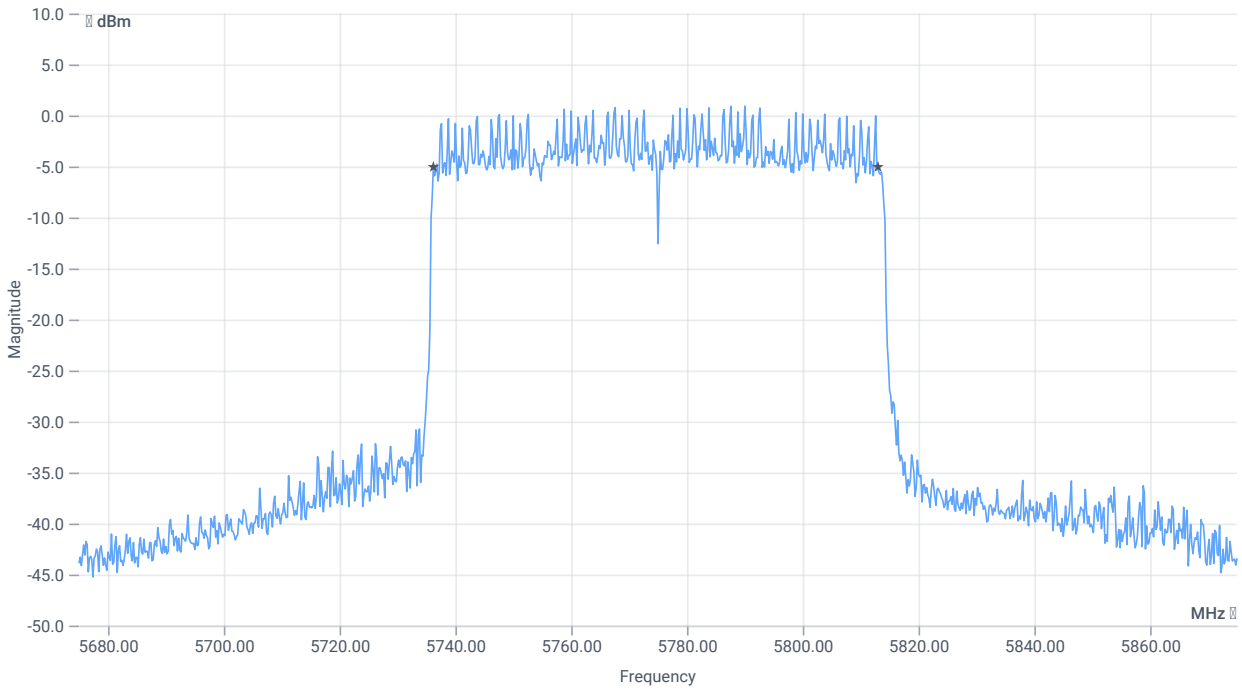
Test at TX 5775 MHz

RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	10.85	dBm	INFO
Ref. Frequency	---	---	5790.380	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.85 | 16.82 | 25
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



BW 6dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth (6dB)	0.500	---	76.8	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE80 U-NII-3

Test References

TC Start	21.02.2023 16:37:57
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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-3
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

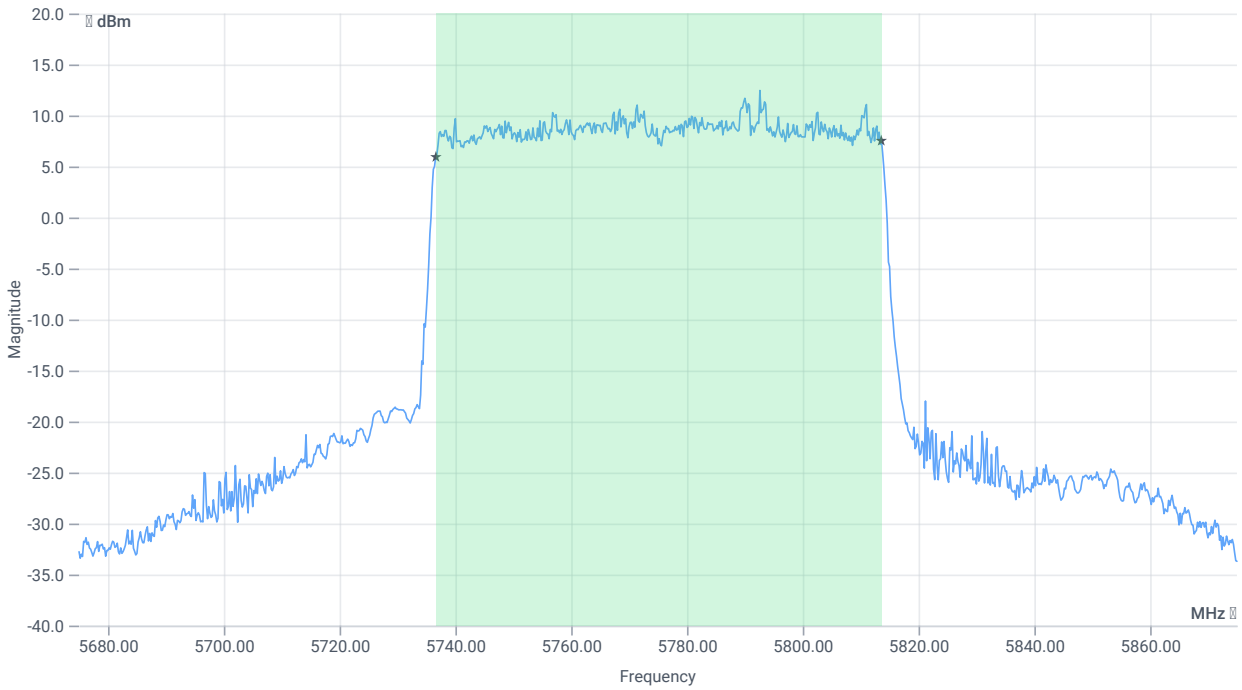
Test at TX 5775 MHz

RESULT: Reference Power cond.

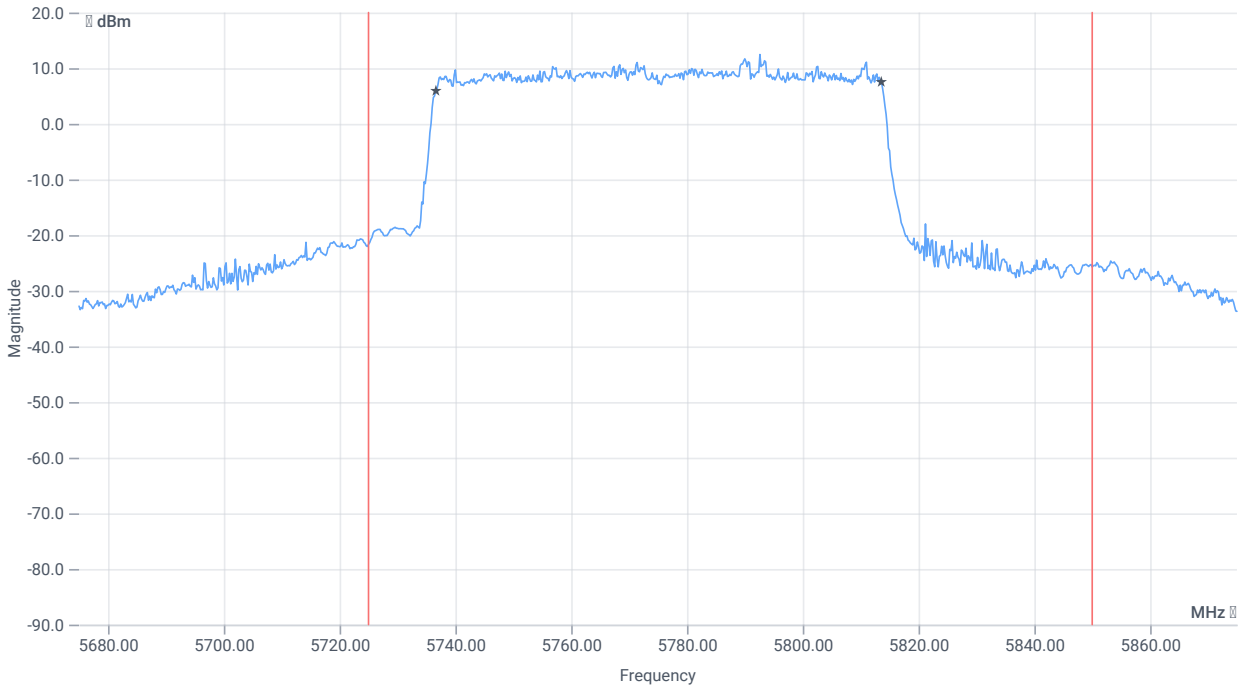
Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	8.92	dBm	INFO
Ref. Frequency	---	---	5777.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.92 | 16.82 | 20
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



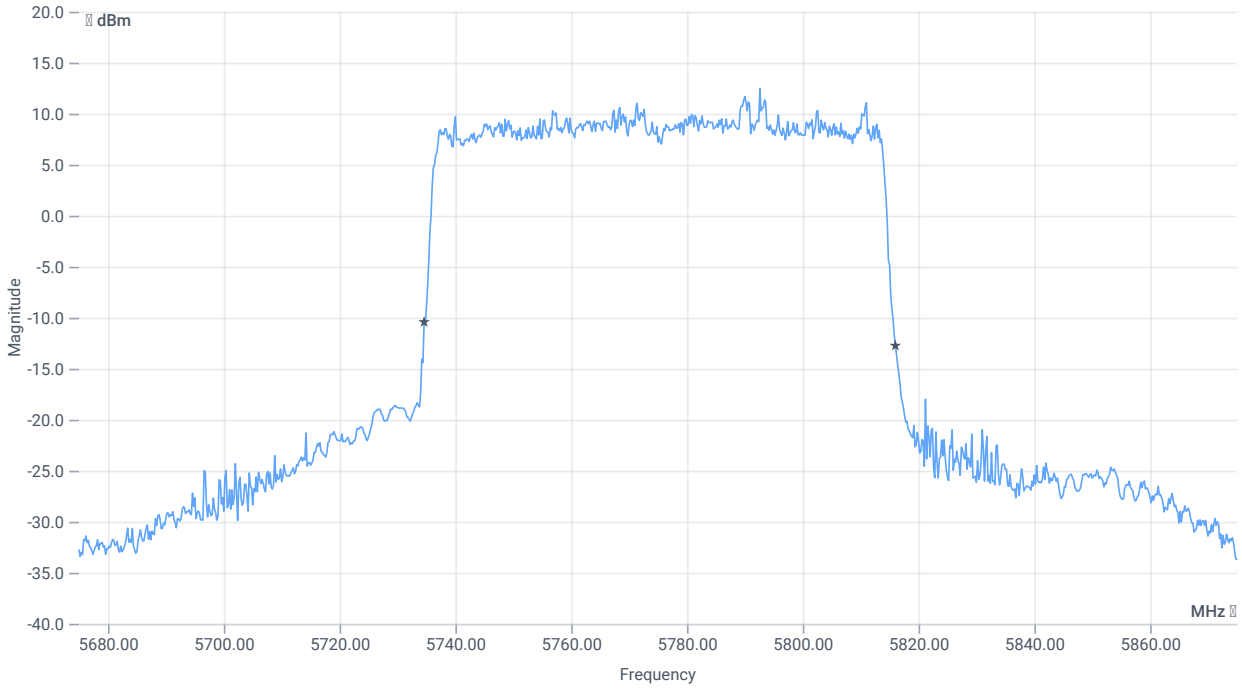
BW 99PCT



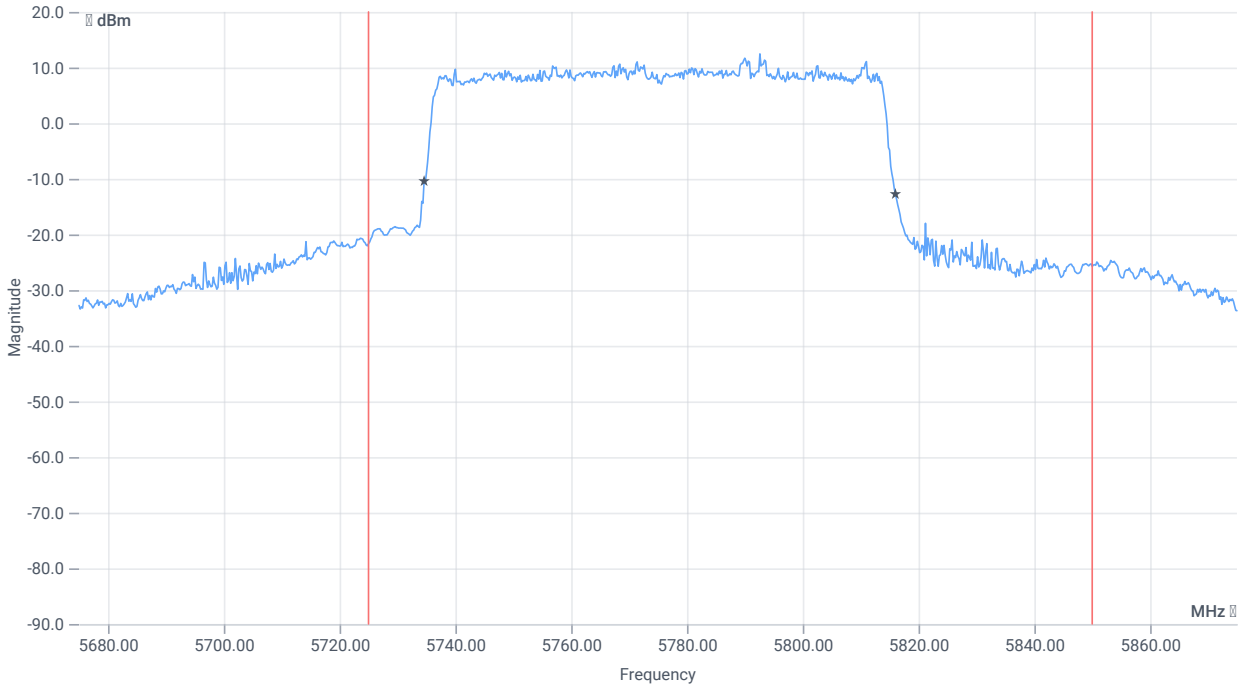
BW within Band 99PCT

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 99%	---	---	76.923	MHz	INFO
T1 99%	5725.000000	---	5736.6384	MHz	PASS
T2 99%	---	5850.000000	5813.5614	MHz	PASS



BW 26dB



BW within Band 26dB

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.4	MHz	INFO
T1 26dB	5725.000000	---	5734.6000	MHz	PASS
T2 26dB	---	5850.000000	5816.0000	MHz	PASS

Verdict
PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3

Test References

TC Start	21.02.2023 16:33:34
Ambit Temp [°C] | Humidity [rel%]	23.4 | 33
System Version	3.5.0.0
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-3
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client
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] 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]	1.4
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

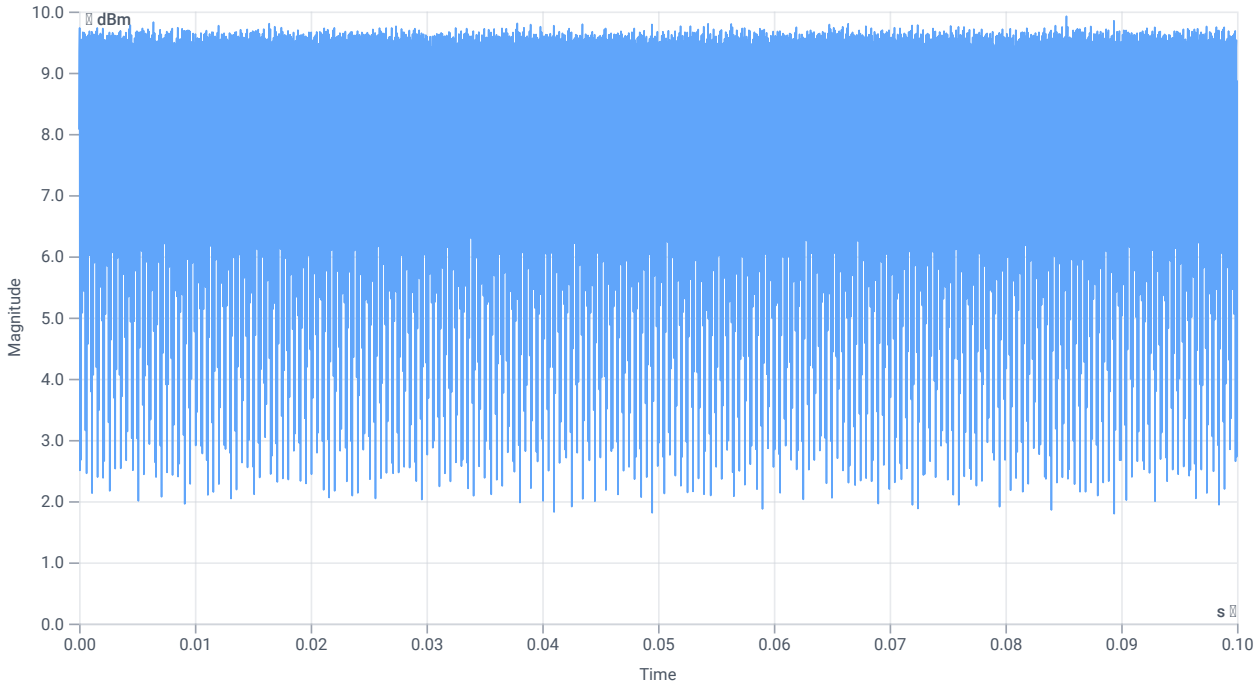
RESULT: Reference Power cond.

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Ref. Power 1MHz/1MHz cond.	---	---	9.78	dBm	INFO
Ref. Frequency	---	---	5802.170	MHz	INFO

Evaluation max. Duty Cycle

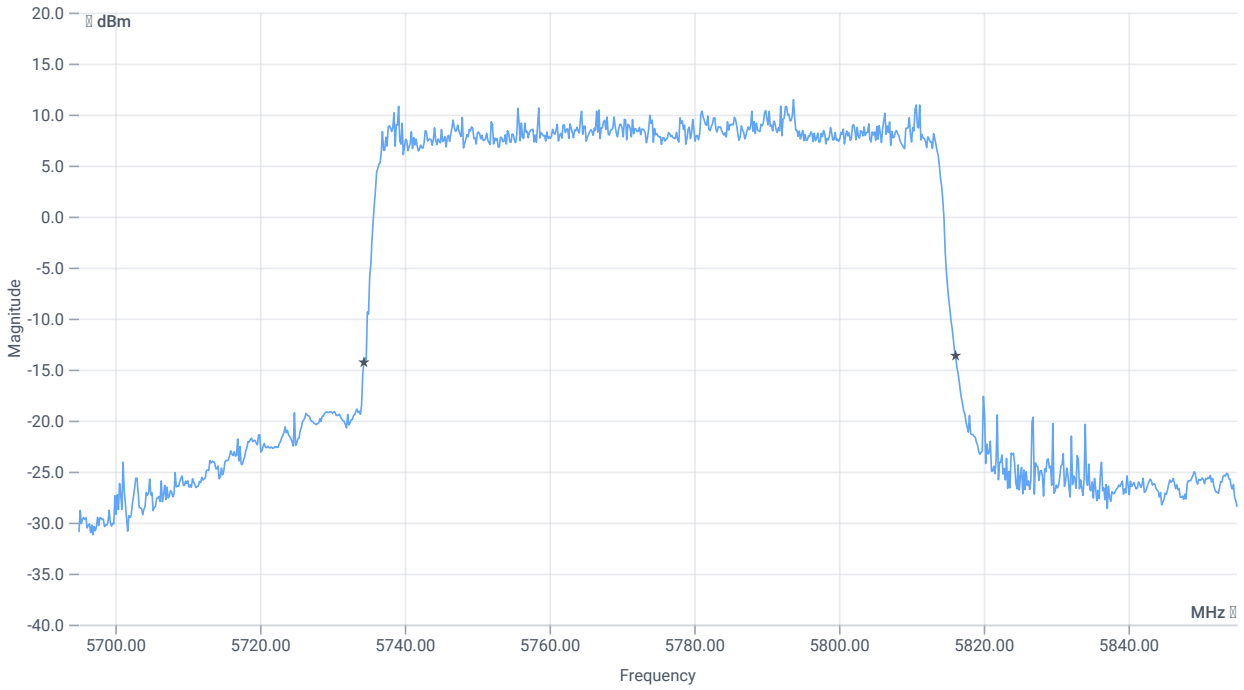
Duty Cycle evaluation

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



Duty cycle

Evaluation Bandwidth



BW 26dB

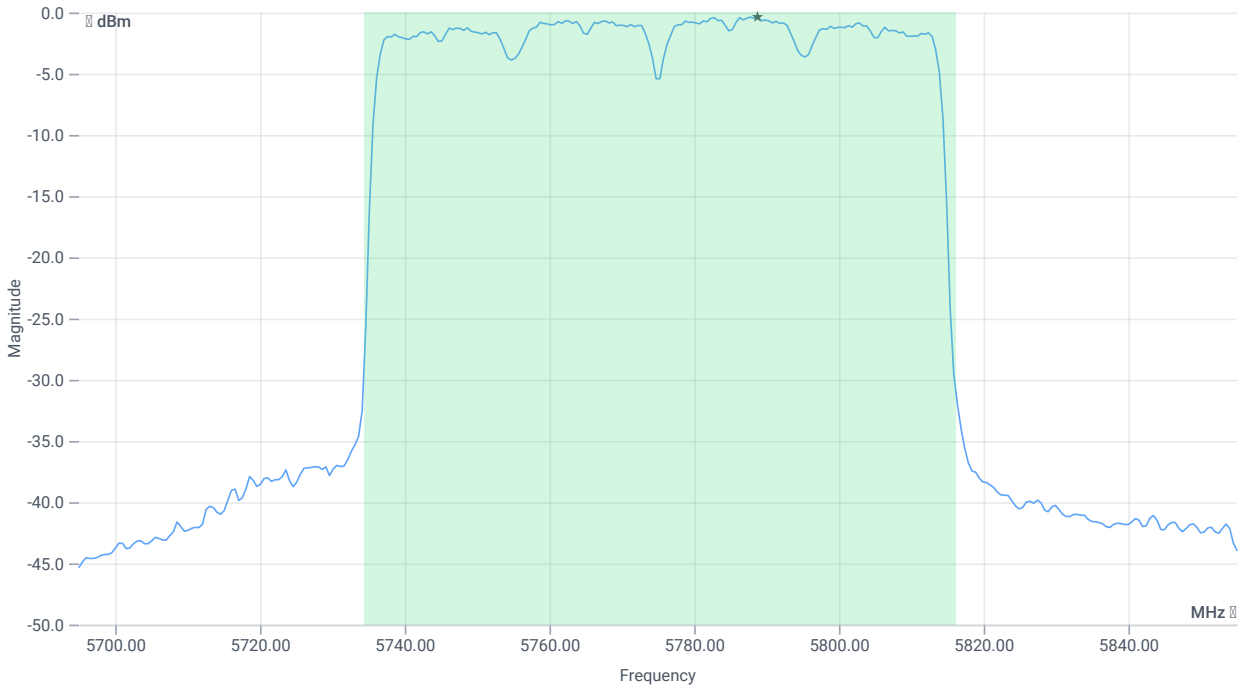
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Bandwidth 26dB	---	---	81.76	MHz	INFO
T1 26dB	---	---	5734.3600	MHz	INFO
T2 26dB	---	---	5816.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.78 | 16.82 | 20
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



Max OP and PSD

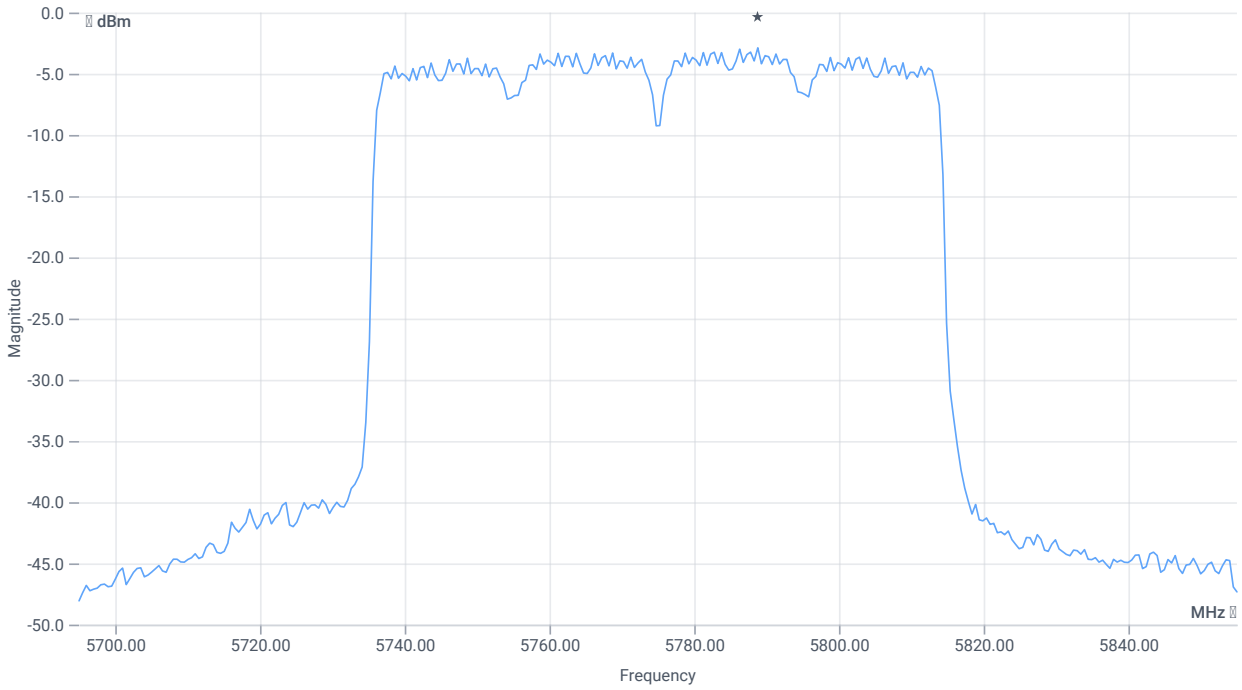
RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Max Output Power	---	---	17.15	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	17.15	dBm	PASS
Limit: 11 dBm + 10 log 81.76					
Max Output Power DC corrected	---	30.13	17.15	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.78 | 16.82 | 20
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



PSD UNII-3

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
Power Spectral Density	---	---	-2.88	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-2.88	dBm/0.5MHz	PASS

Verdict
PASS

- END OF DOCUMENT -