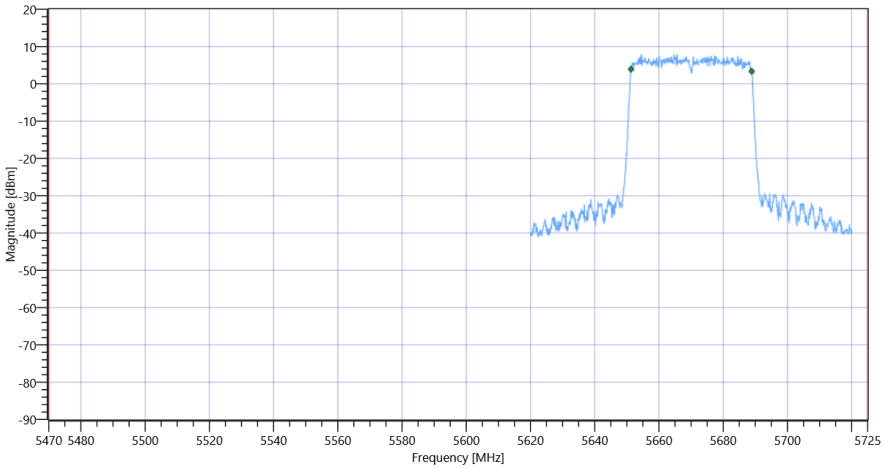
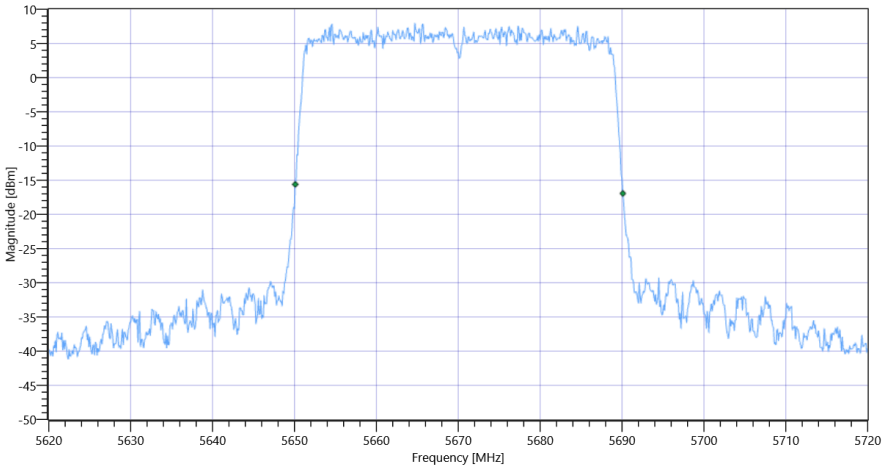


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-2C

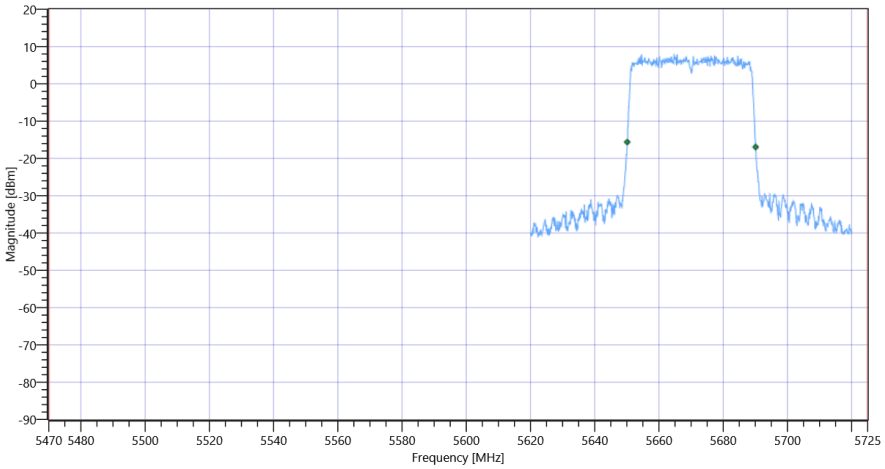
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40	MHz	INFO
T1 26dB	5470.000000	---	5650.1000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5690.1000	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-2C

General verdict	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	18.07.2022 16:18:58
Ambit Temp [°C] | Humidity [rel%]	28.5 | 30
System Version	3.2.0.2
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-HE40 U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5795
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

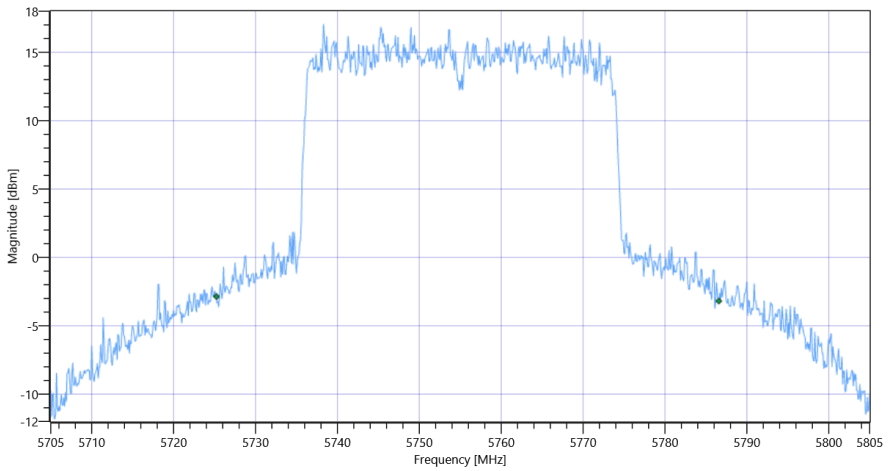
Test at TX 5755 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	18.59	dBm	INFO
Ref. Frequency	---	---	5754.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.59 | 18.77 | 25
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

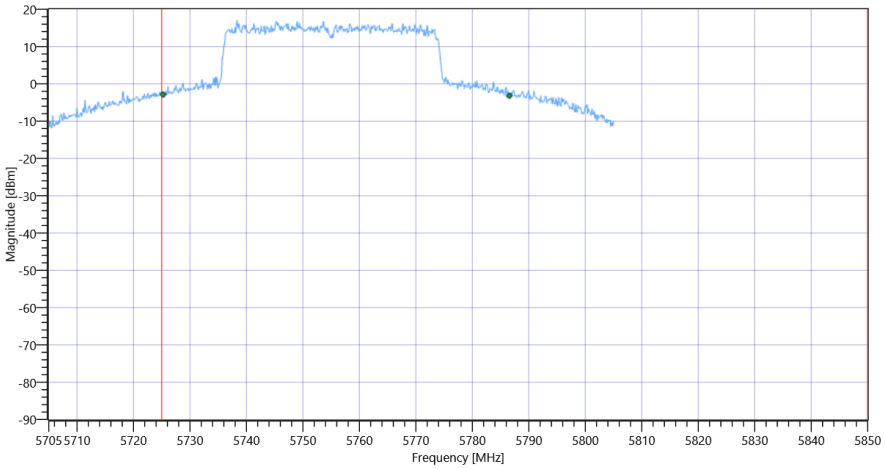
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	61.339	MHz	INFO
T1 99%	5725.000000	---	5725.2298	MHz	PASS
T2 99%	---	5850.000000	5786.5684	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3 99PCT

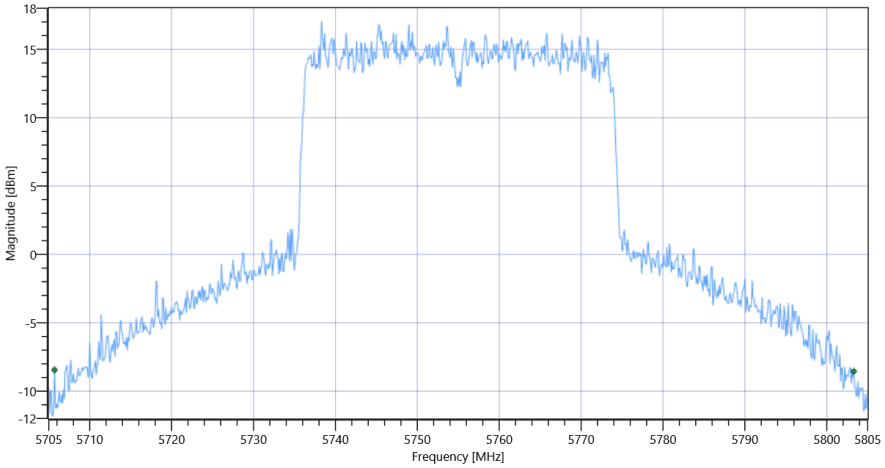
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

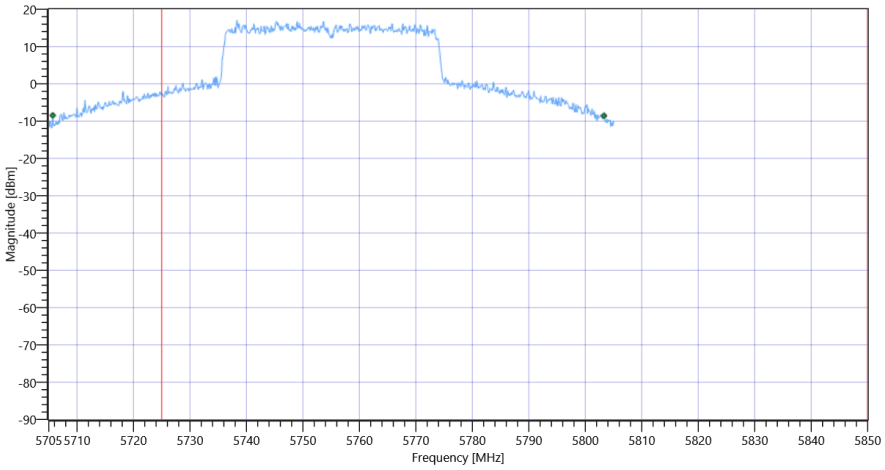
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	97.6	MHz	INFO
T1 26dB	5725.000000	---	5705.7000	MHz	DFS required
T2 26dB	---	5850.000000	5803.3000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

General verdict	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	18.07.2022 16:26:59
Ambit Temp [°C] | Humidity [rel%]	28.5 | 29
System Version	3.2.0.2
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-HE40 U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5795
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

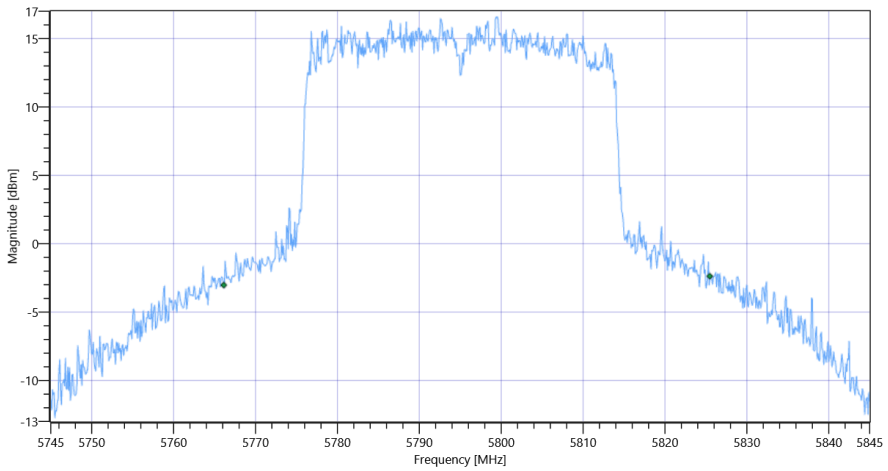
Test at TX 5795 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	19.08	dBm	INFO
Ref. Frequency	---	---	5800.390	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.08 | 18.75 | 25
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

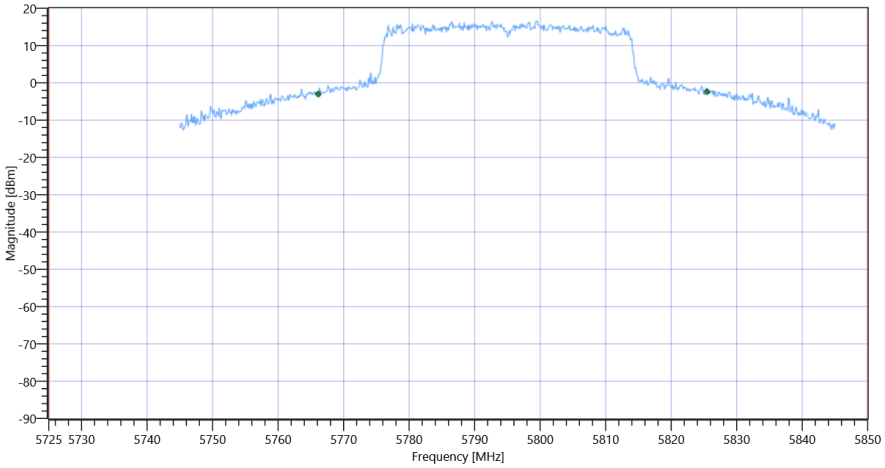
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	59.341	MHz	INFO
T1 99%	5725.000000	---	5766.1289	MHz	PASS
T2 99%	---	5850.000000	5825.4695	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3 99PCT

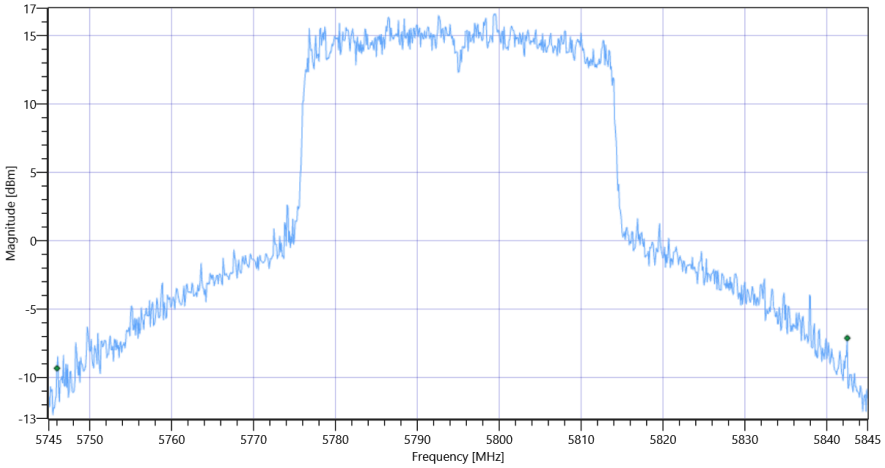
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

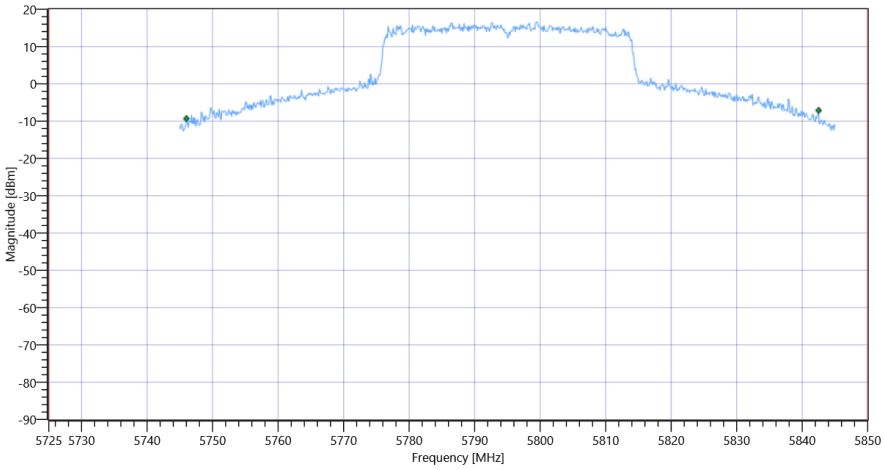
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	96.5	MHz	INFO
T1 26dB	5725.000000	---	5746.0000	MHz	PASS
T2 26dB	---	5850.000000	5842.5000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx ax-HE40 U-NII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	18.07.2022 14:12:44
Ambit Temp [°C] | Humidity [rel%]	27.9 | 30
System Version	3.2.0.2
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-HE40 U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

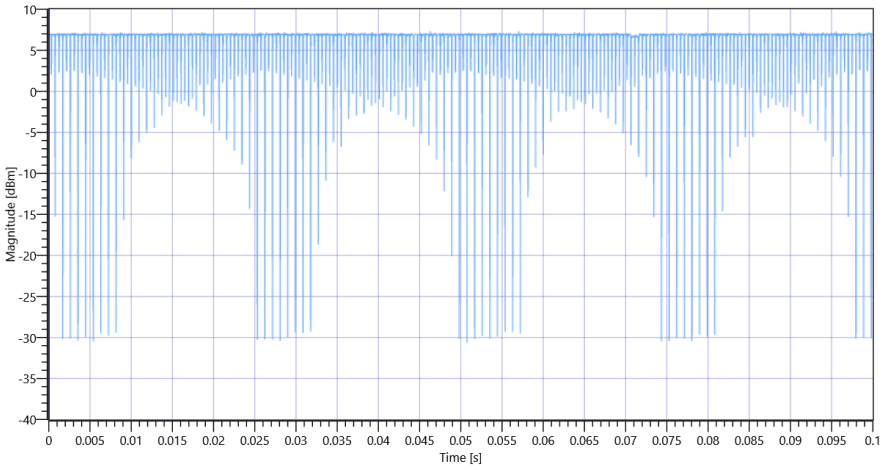
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.96	dBm	INFO
Ref. Frequency	---	---	5183.810	MHz	INFO

Evaluation max. Duty Cycle

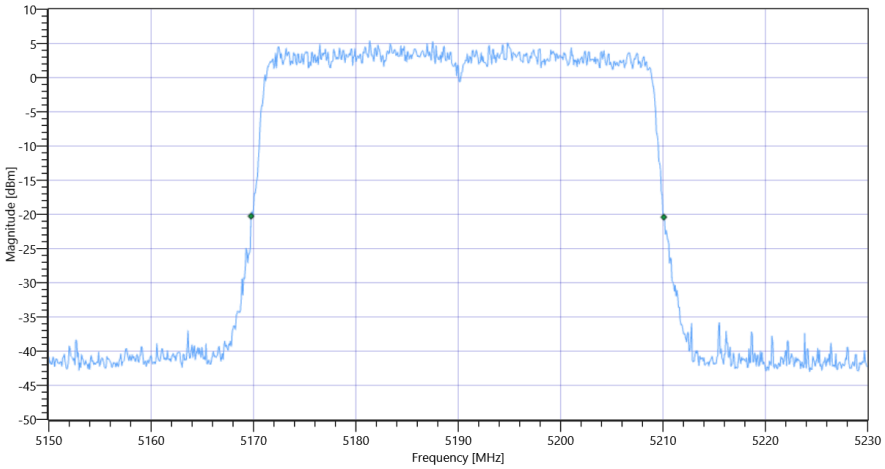
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:87					
Duty Cycle (Burst Ratio) max	---	---	0.989	---	INFO
Duty Cycle max	---	---	0.048	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	6.875	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 5190 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5169.7600	MHz	INFO
T2 26dB	---	---	5210.0800	MHz	INFO

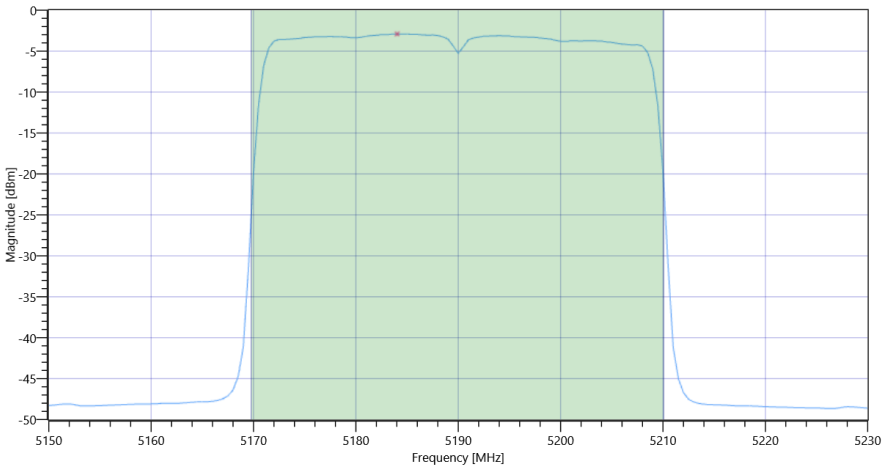


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.96 | 17.95 | 20
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	12.03	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	12.4	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.06	12.4	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-2.91	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-2.54	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	18.07.2022 14:19:03
Ambit Temp [°C] | Humidity [rel%]	27.9 | 30
System Version	3.2.0.2
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-HE40 U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

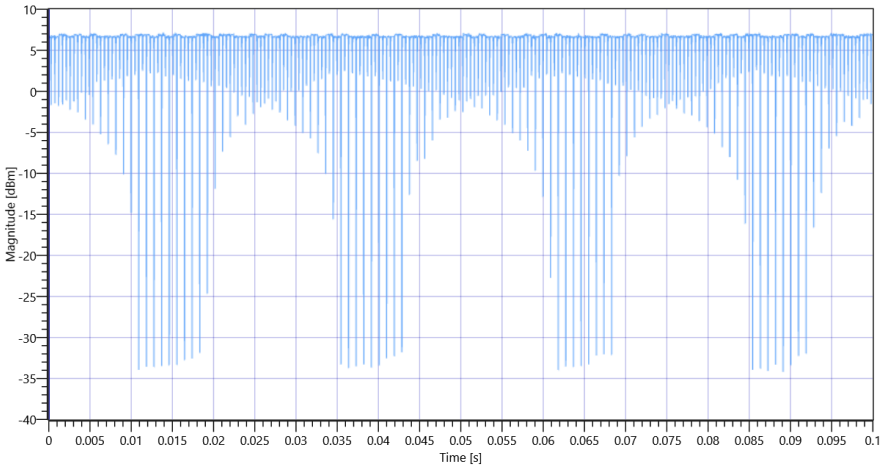
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.37	dBm	INFO
Ref. Frequency	---	---	5227.200	MHz	INFO

Evaluation max. Duty Cycle

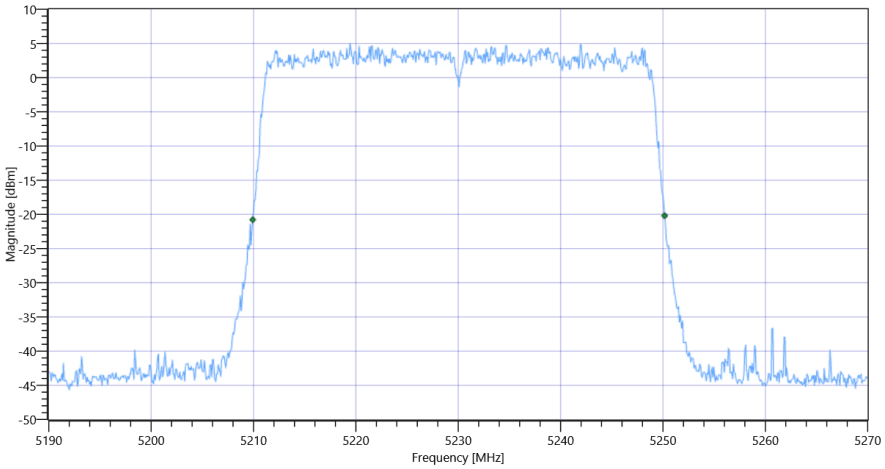
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:89					
Duty Cycle (Burst Ratio) max	---	---	0.985	---	INFO
Duty Cycle max	---	---	0.066	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.025	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 5230 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.24	MHz	INFO
T1 26dB	---	---	5209.9200	MHz	INFO
T2 26dB	---	---	5250.1600	MHz	INFO

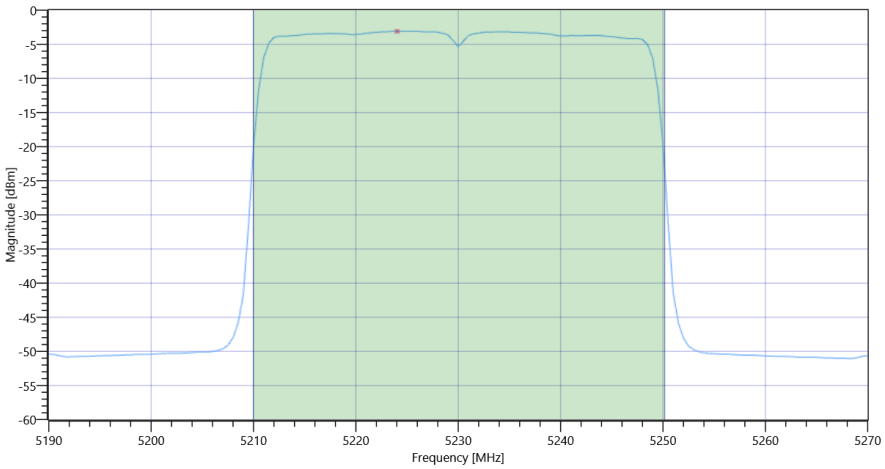


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.37 | 18.37 | 15
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	11.94	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	12.31	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.05	12.31	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.08	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-2.71	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	18.07.2022 14:25:13
Ambit Temp [°C] | Humidity [rel%]	27.9 | 30
System Version	3.2.0.2
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-HE40 U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

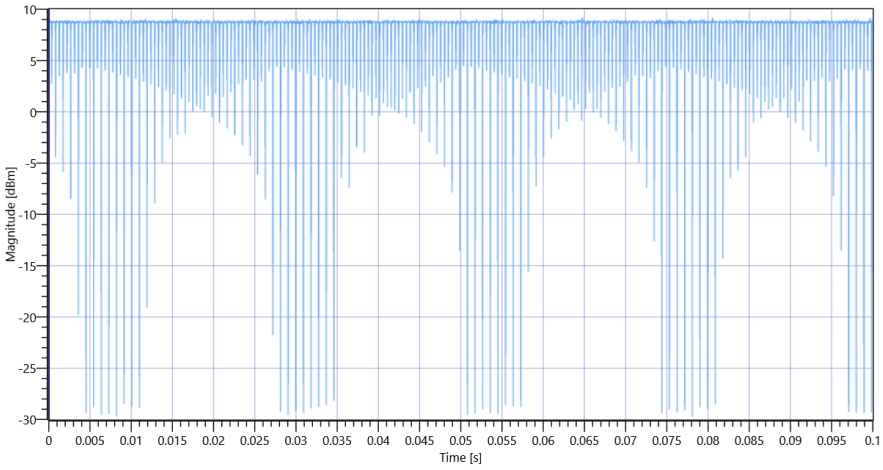
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.62	dBm	INFO
Ref. Frequency	---	---	5253.020	MHz	INFO

Evaluation max. Duty Cycle

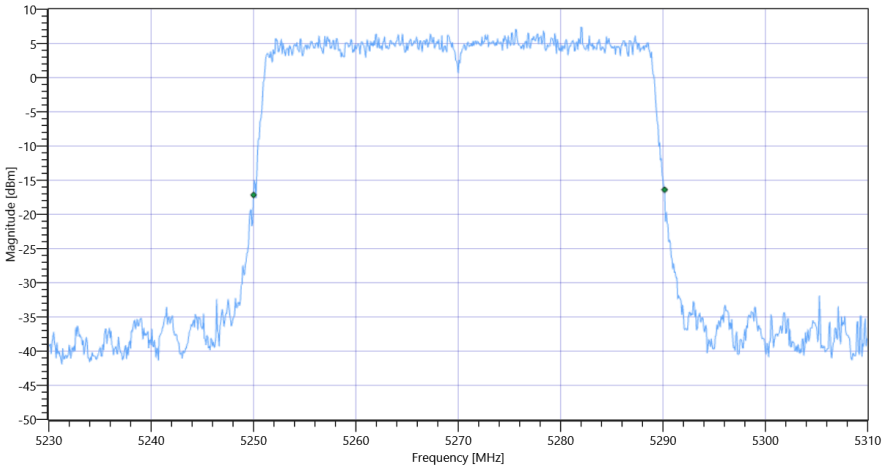
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:90					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A 5270 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.16	MHz	INFO
T1 26dB	---	---	5250.0000	MHz	INFO
T2 26dB	---	---	5290.1600	MHz	INFO

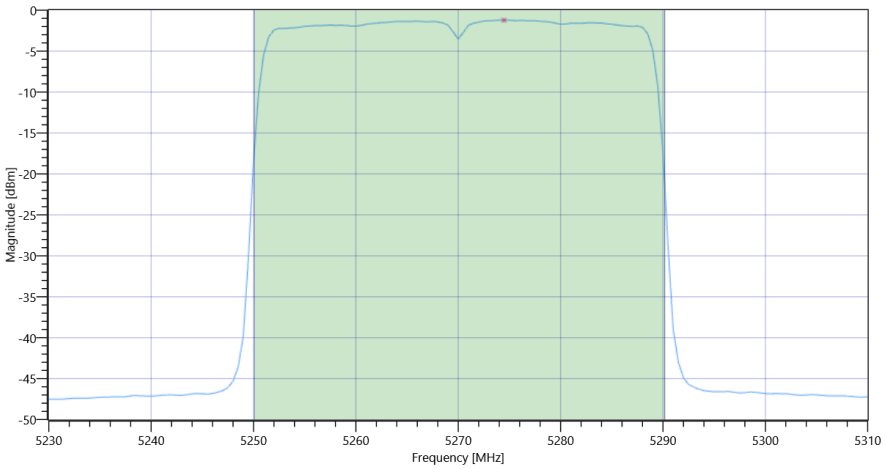


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.62 | 18.75 | 20
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	13.79	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.16	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.04	14.16	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.22	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.85	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	18.07.2022 14:31:04
Ambit Temp [°C] | Humidity [rel%]	28.0 | 30
System Version	3.2.0.2
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-HE40 U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

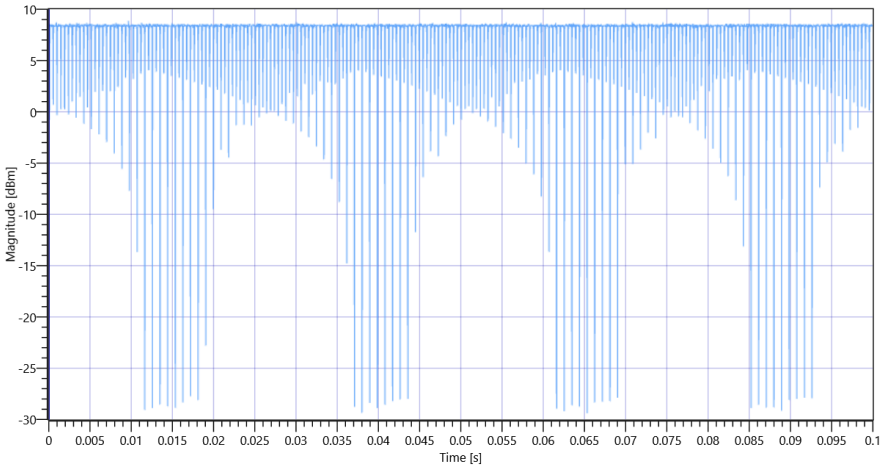
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.30	dBm	INFO
Ref. Frequency	---	---	5305.000	MHz	INFO

Evaluation max. Duty Cycle

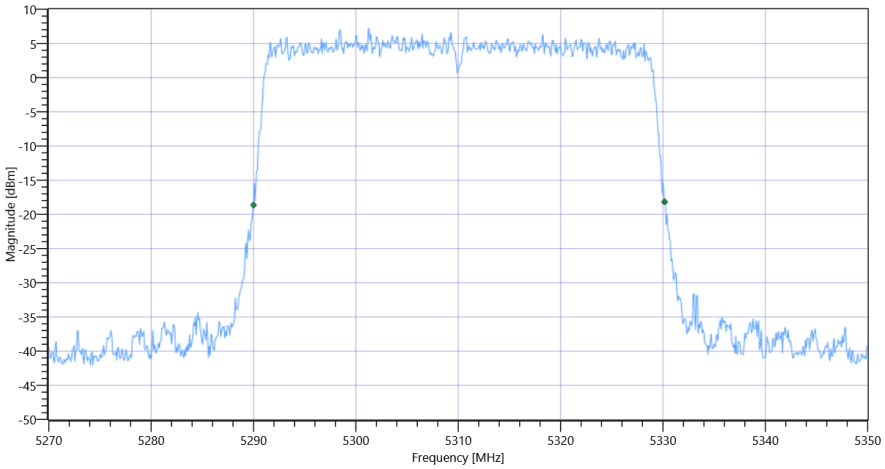
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:88					
Duty Cycle (Burst Ratio) max	---	---	0.985	---	INFO
Duty Cycle max	---	---	0.066	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.025	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A 5310 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.16	MHz	INFO
T1 26dB	---	---	5290.0000	MHz	INFO
T2 26dB	---	---	5330.1600	MHz	INFO

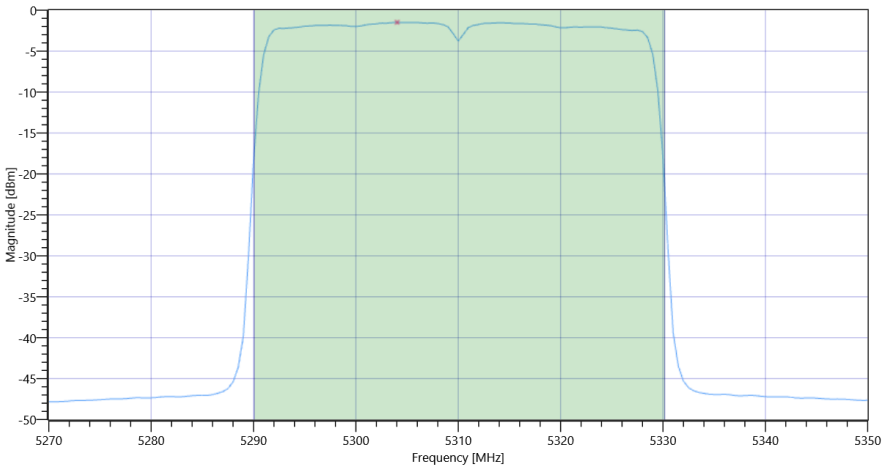


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.30 | 18.4 | 20
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	13.55	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	13.92	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.04	13.92	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.49	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-1.12	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 14:37:20
Ambit Temp [°C] | Humidity [rel%]	28.0 | 30
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

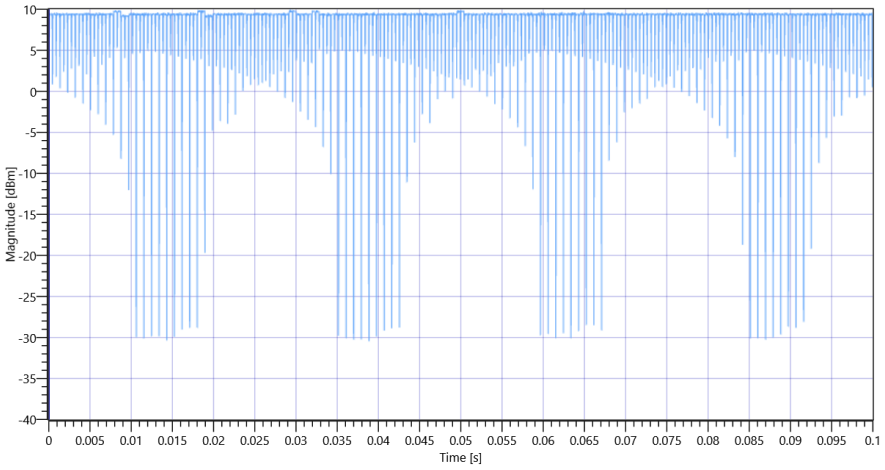
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5510 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.93	dBm	INFO
Ref. Frequency	---	---	5515.990	MHz	INFO

Evaluation max. Duty Cycle

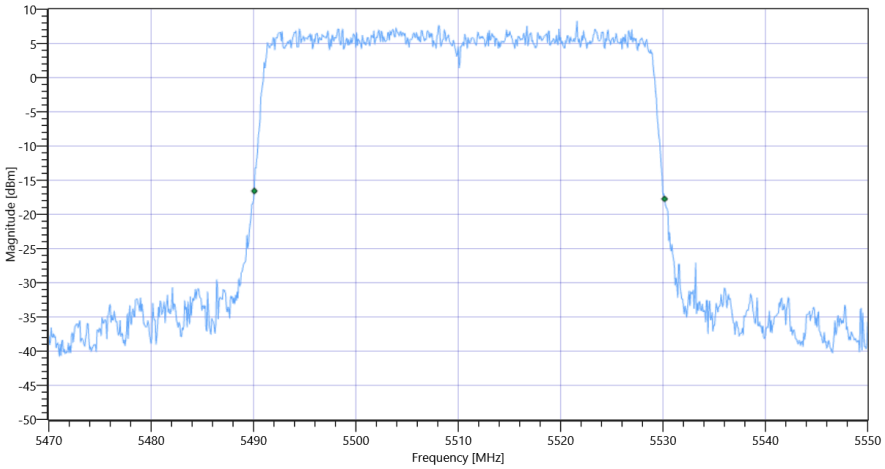
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:91					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5510 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.08	MHz	INFO
T1 26dB	---	---	5490.0800	MHz	INFO
T2 26dB	---	---	5530.1600	MHz	INFO

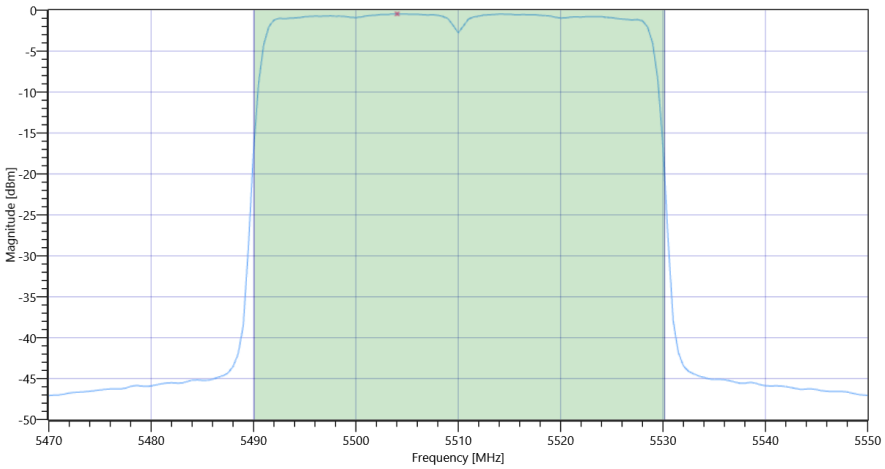


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.93 | 18.49 | 20
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.68	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.05	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.03	15.05	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.45	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.08	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 14:43:03
Ambit Temp [°C] | Humidity [rel%]	28.0 | 30
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

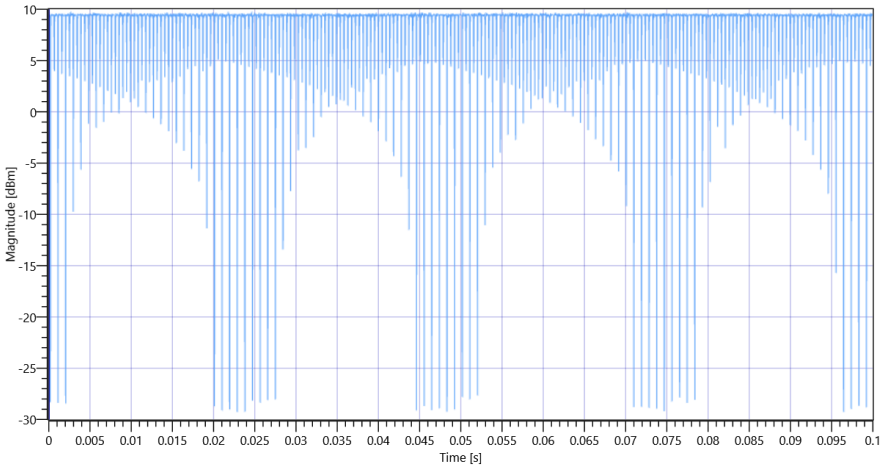
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5590 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.84	dBm	INFO
Ref. Frequency	---	---	5599.990	MHz	INFO

Evaluation max. Duty Cycle

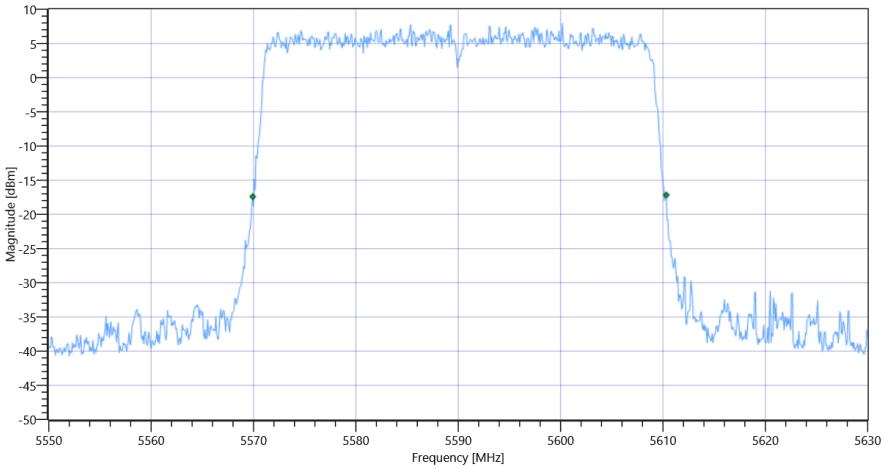
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:87					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5590 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5569.9200	MHz	INFO
T2 26dB	---	---	5610.3200	MHz	INFO

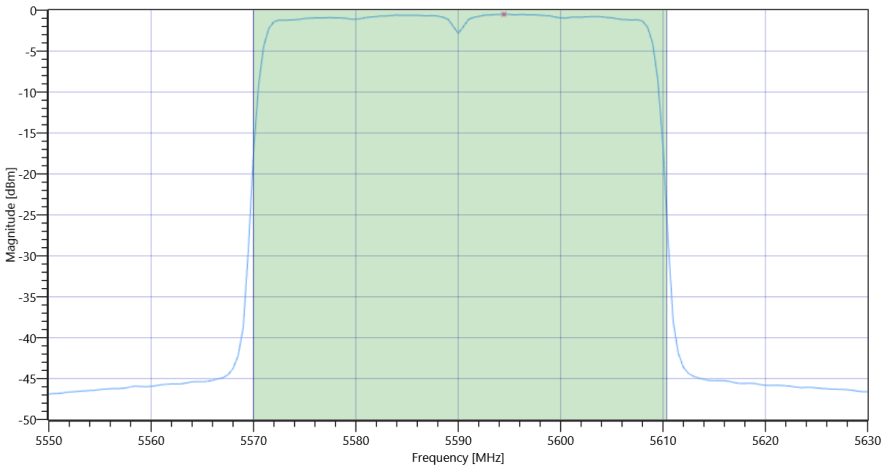


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.84 | 19.02 | 20
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.58	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.95	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.06	14.95	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.51	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.14	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 14:49:14
Ambit Temp [°C] | Humidity [rel%]	28.0 | 30
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

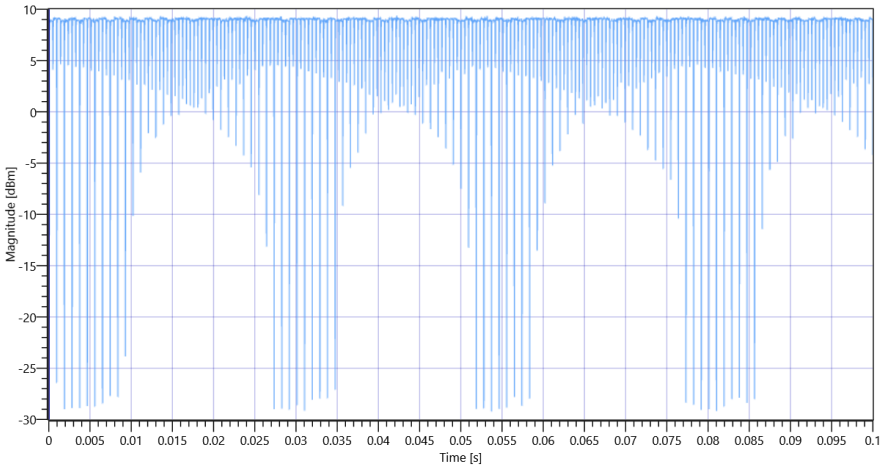
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5670 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.41	dBm	INFO
Ref. Frequency	---	---	5652.620	MHz	INFO

Evaluation max. Duty Cycle

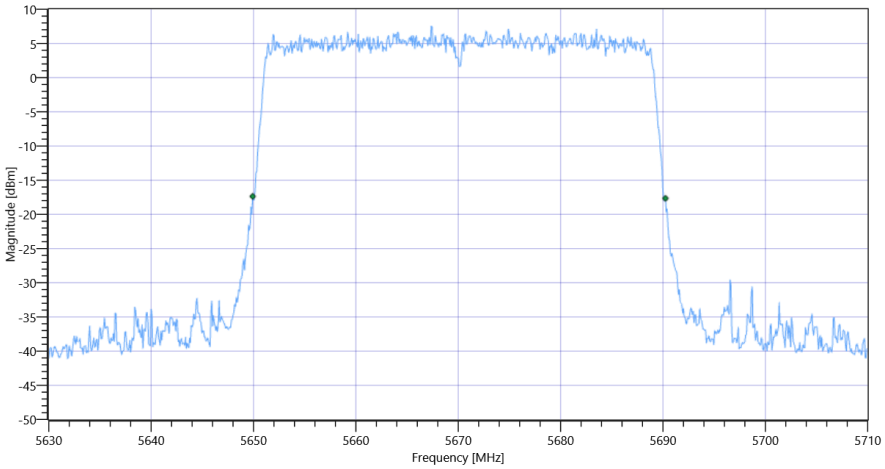
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:84					
Duty Cycle (Burst Ratio) max	---	---	0.989	---	INFO
Duty Cycle max	---	---	0.048	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	6.875	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5670 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5649.9200	MHz	INFO
T2 26dB	---	---	5690.2400	MHz	INFO

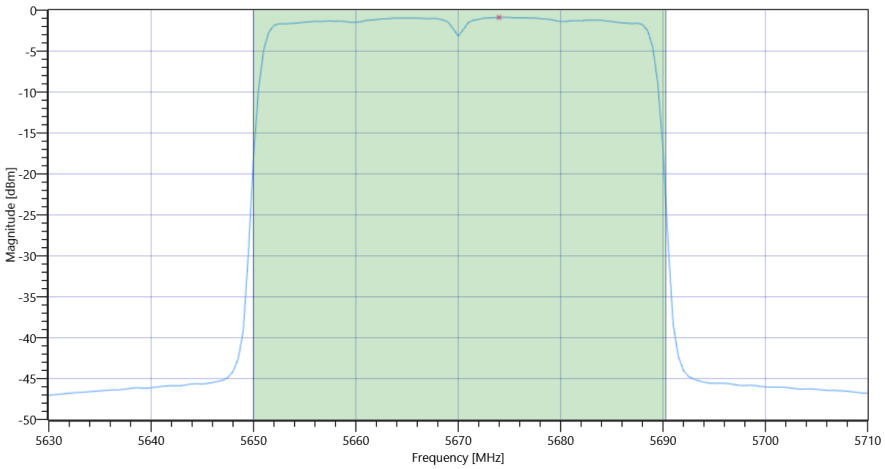


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.41 | 18.67 | 20
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.19	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.56	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.06	14.56	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.88	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.51	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	18.07.2022 14:55:06
Ambit Temp [°C] | Humidity [rel%]	28.1 | 30
System Version	3.2.0.2
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-HE40 U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5795
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

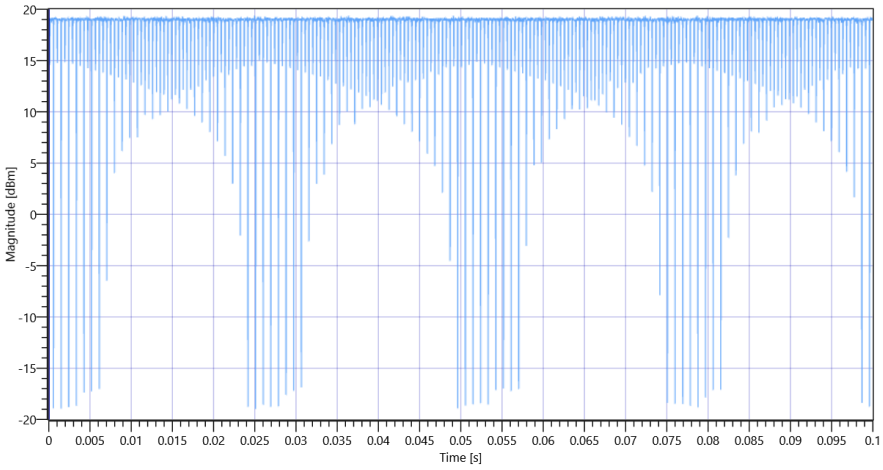
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5755 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	18.21	dBm	INFO
Ref. Frequency	---	---	5749.010	MHz	INFO

Evaluation max. Duty Cycle

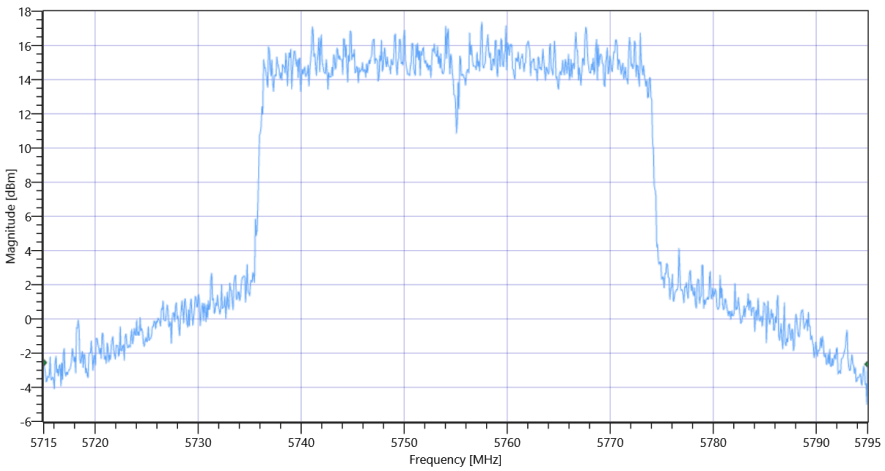
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:82					
Duty Cycle (Burst Ratio) max	---	---	0.989	---	INFO
Duty Cycle max	---	---	0.048	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	6.875	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 5755 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80	MHz	INFO
T1 26dB	---	---	5715.0000	MHz	INFO
T2 26dB	---	---	5795.0000	MHz	INFO

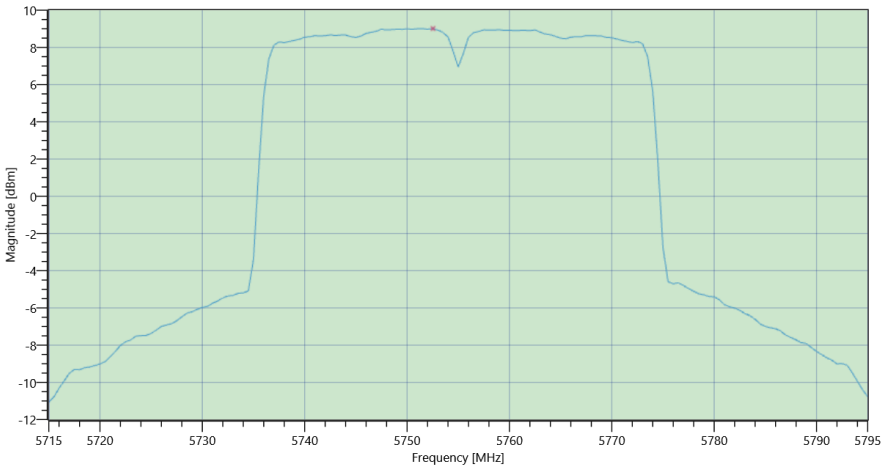


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	30.21 | 18.77 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	24.29	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	24.66	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.03	24.66	dBm	not applicable



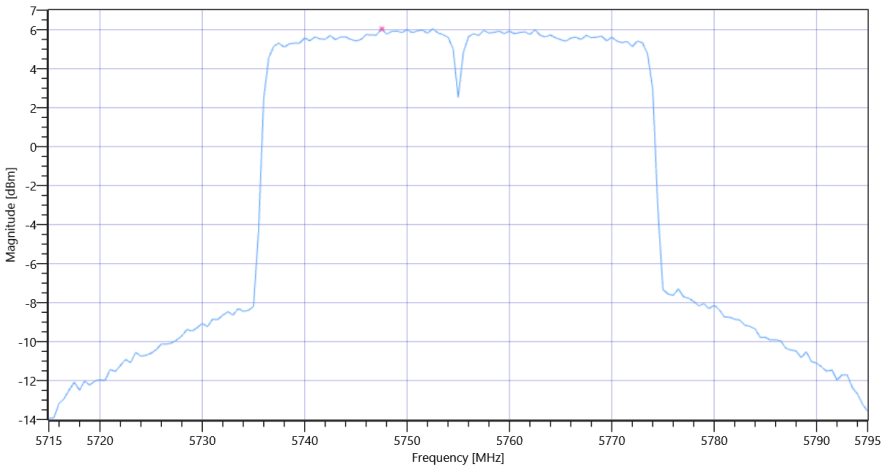
FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	30.21 | 18.77 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	6.04	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	30	6.41	dBm/0.5MHz	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 PSD UNII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	18.07.2022 15:04:12
Ambit Temp [°C] | Humidity [rel%]	28.1 | 30
System Version	3.2.0.2
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-HE40 U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5795
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

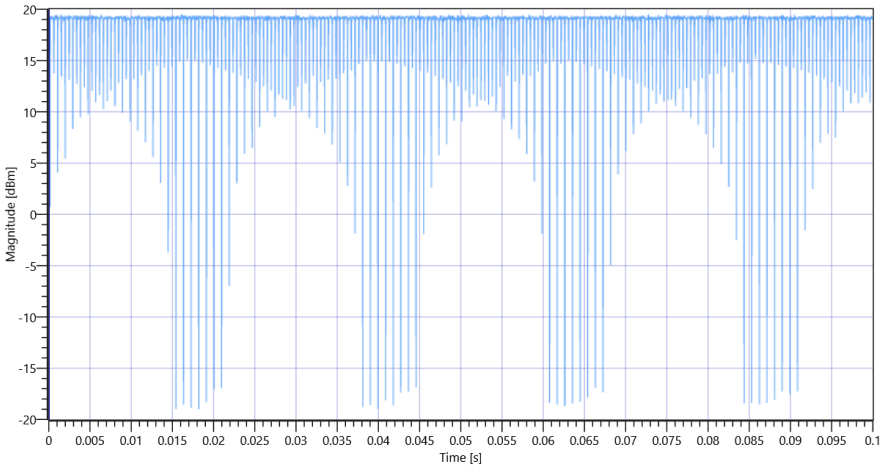
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5795 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	18.80	dBm	INFO
Ref. Frequency	---	---	5786.210	MHz	INFO

Evaluation max. Duty Cycle

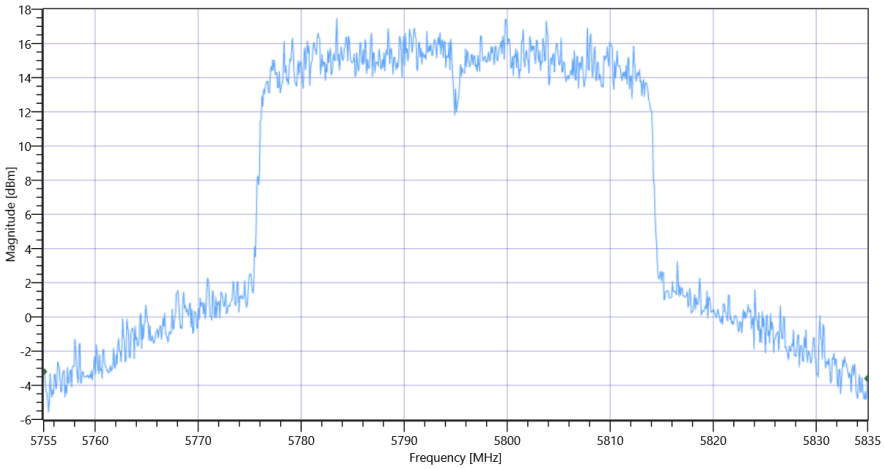
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:83					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 5795 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80	MHz	INFO
T1 26dB	---	---	5755.0000	MHz	INFO
T2 26dB	---	---	5835.0000	MHz	INFO

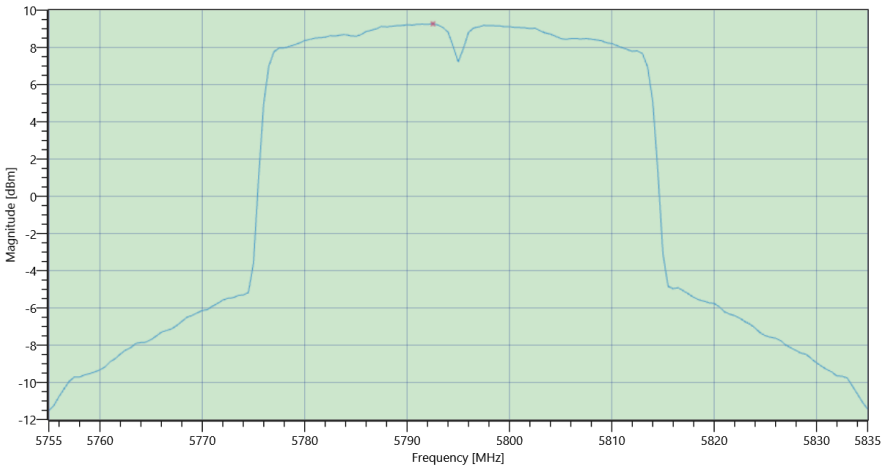


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	30.80 | 18.75 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	24.28	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	24.65	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	30.03	24.65	dBm	not applicable



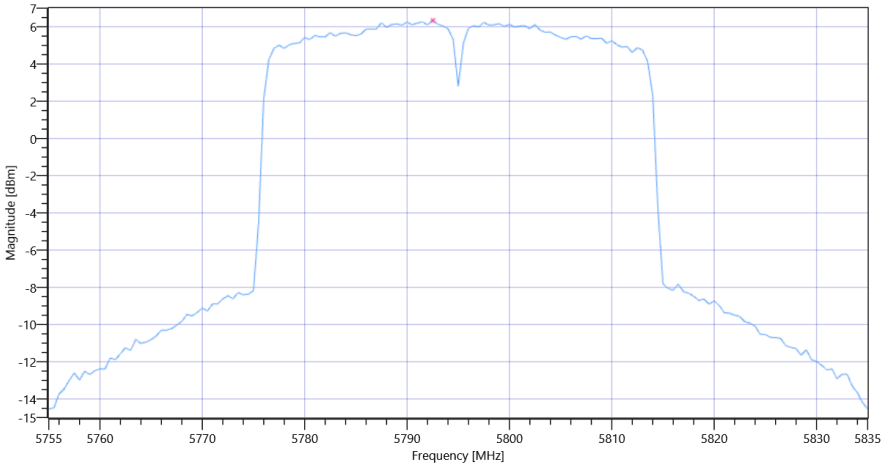
FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	30.80 | 18.75 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	6.34	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	30	6.71	dBm/0.5MHz	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 PSD UNII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	18.07.2022 15:32:46
Ambit Temp [°C] | Humidity [rel%]	28.2 | 30
System Version	3.2.0.2
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-HE40 U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

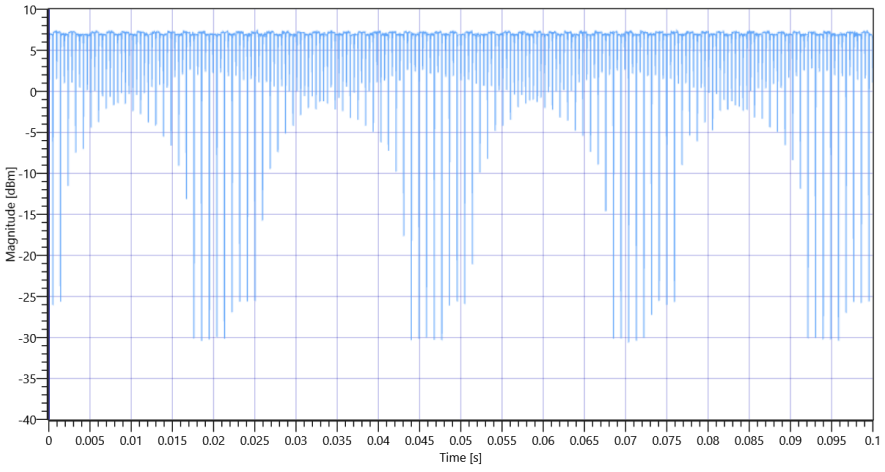
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.72	dBm	INFO
Ref. Frequency	---	---	5188.400	MHz	INFO

Evaluation max. Duty Cycle

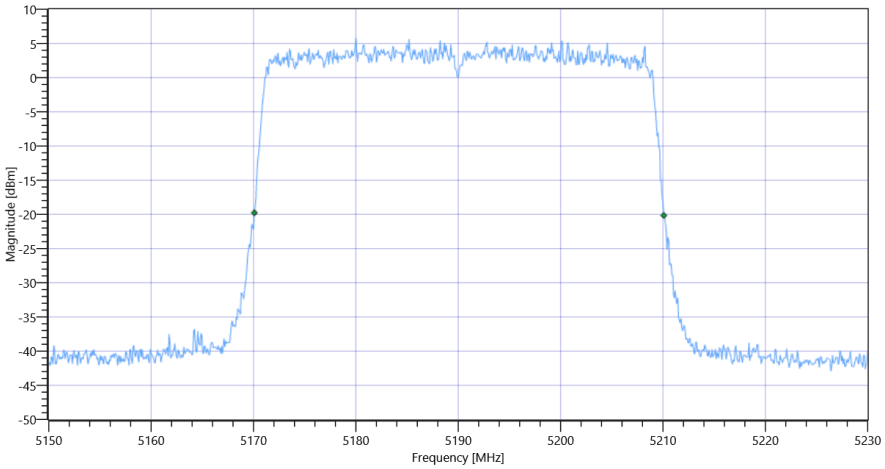
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:87					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 5190 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40	MHz	INFO
T1 26dB	---	---	5170.0800	MHz	INFO
T2 26dB	---	---	5210.0800	MHz	INFO

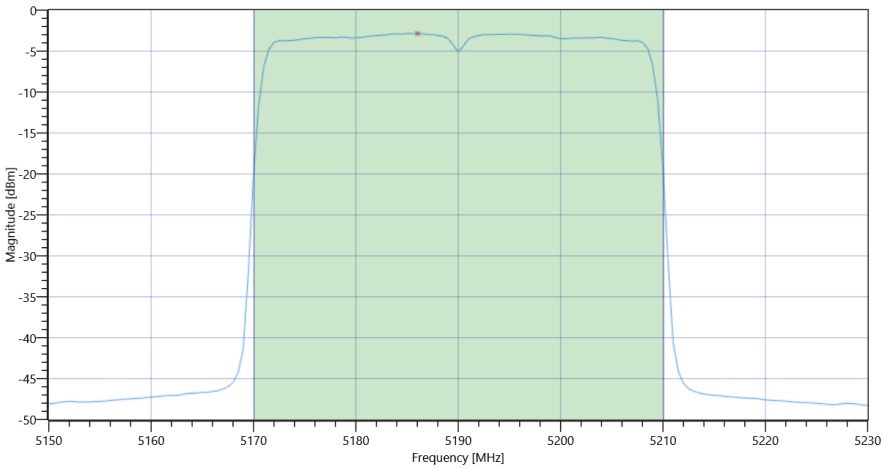


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.72 | 17.95 | 20
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	12.16	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	12.53	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.02	12.53	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-2.85	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-2.48	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	18.07.2022 15:40:00
Ambit Temp [°C] | Humidity [rel%]	28.2 | 30
System Version	3.2.0.2
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-HE40 U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

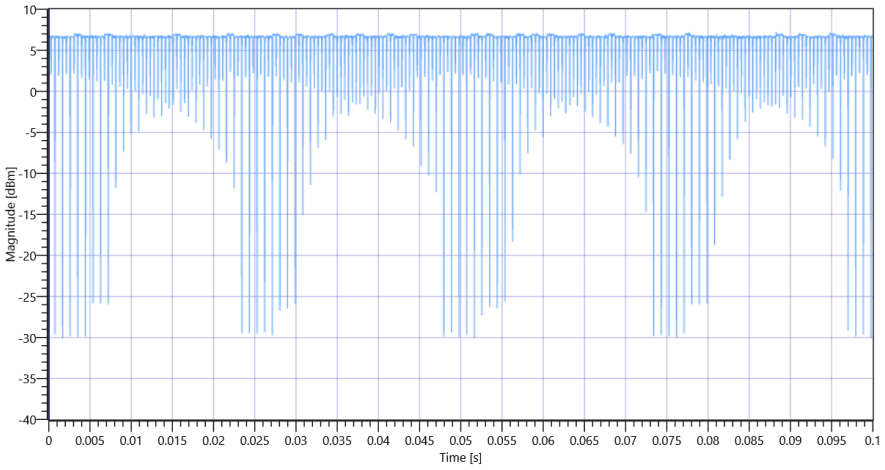
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.79	dBm	INFO
Ref. Frequency	---	---	5232.800	MHz	INFO

Evaluation max. Duty Cycle

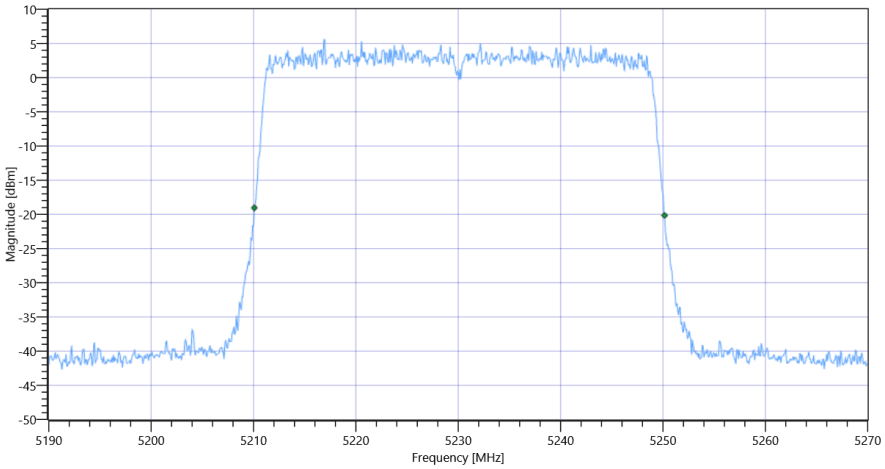
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:92					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 5230 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.08	MHz	INFO
T1 26dB	---	---	5210.0800	MHz	INFO
T2 26dB	---	---	5250.1600	MHz	INFO

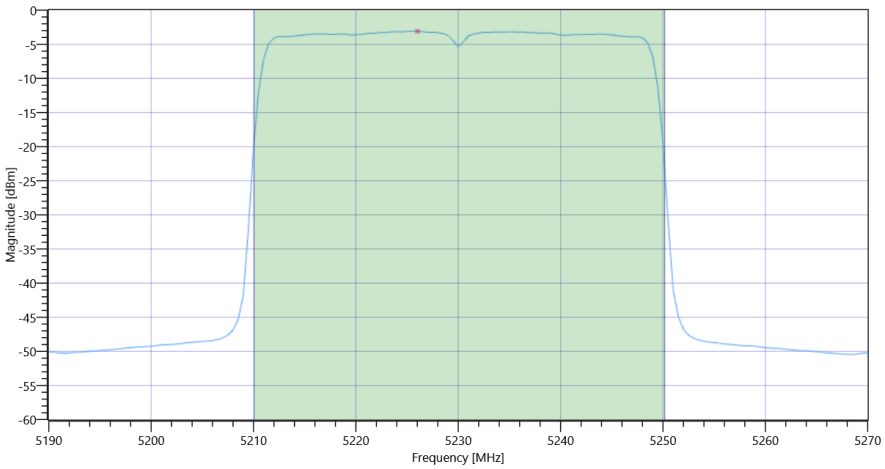


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.79 | 18.37 | 15
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	11.96	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	12.33	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.03	12.33	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.08	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-2.71	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	18.07.2022 15:45:40
Ambit Temp [°C] | Humidity [rel%]	28.3 | 30
System Version	3.2.0.2
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-HE40 U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

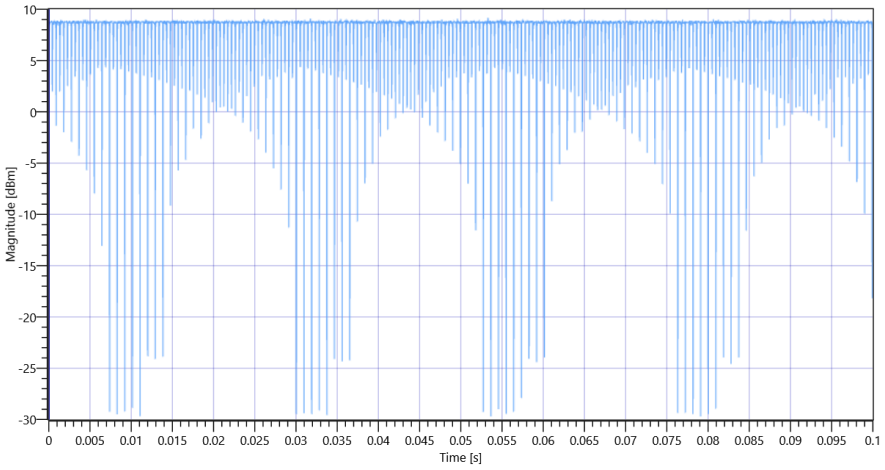
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.02	dBm	INFO
Ref. Frequency	---	---	5265.600	MHz	INFO

Evaluation max. Duty Cycle

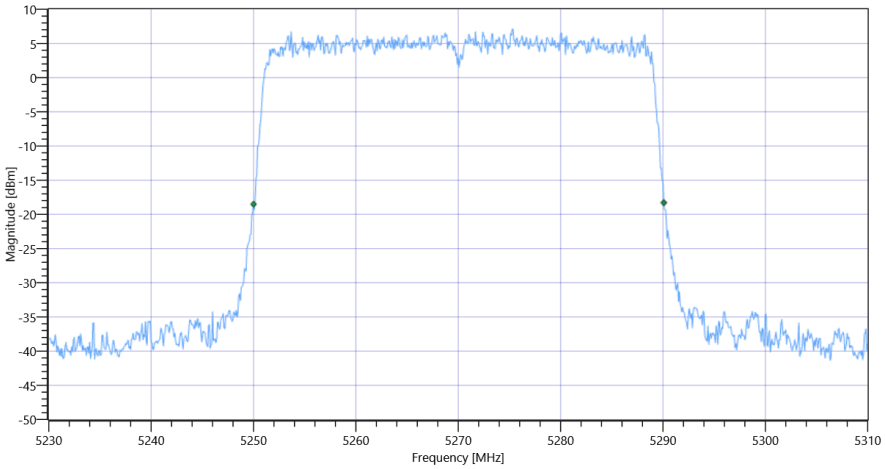
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:92					
Duty Cycle (Burst Ratio) max	---	---	0.985	---	INFO
Duty Cycle max	---	---	0.066	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.025	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A 5270 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.08	MHz	INFO
T1 26dB	---	---	5250.0000	MHz	INFO
T2 26dB	---	---	5290.0800	MHz	INFO

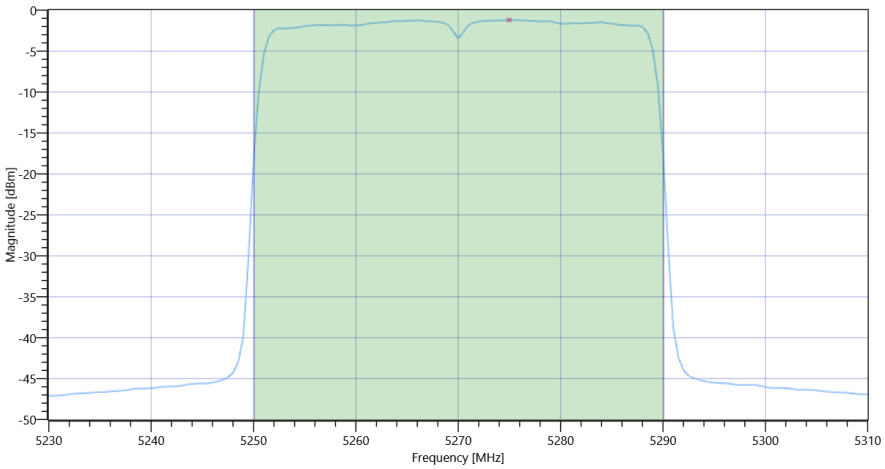


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.02 | 18.75 | 20
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	13.83	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.2	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.03	14.2	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.19	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.82	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	18.07.2022 15:51:50
Ambit Temp [°C] | Humidity [rel%]	28.3 | 30
System Version	3.2.0.2
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-HE40 U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

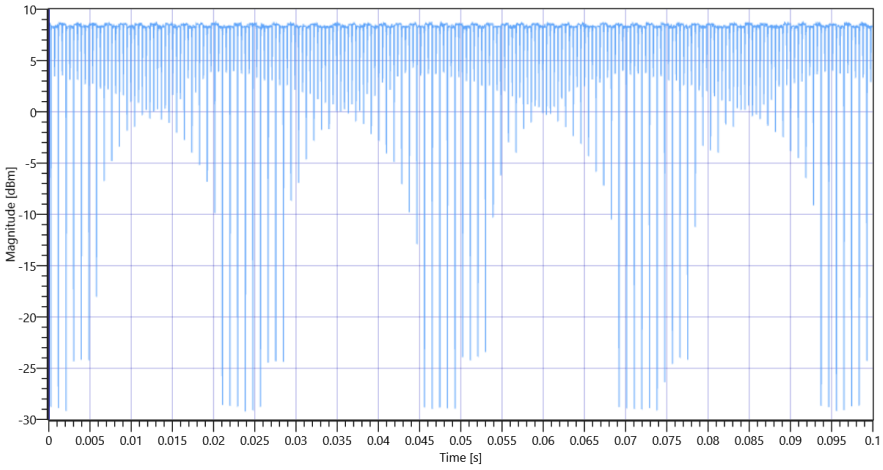
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.98	dBm	INFO
Ref. Frequency	---	---	5314.400	MHz	INFO

Evaluation max. Duty Cycle

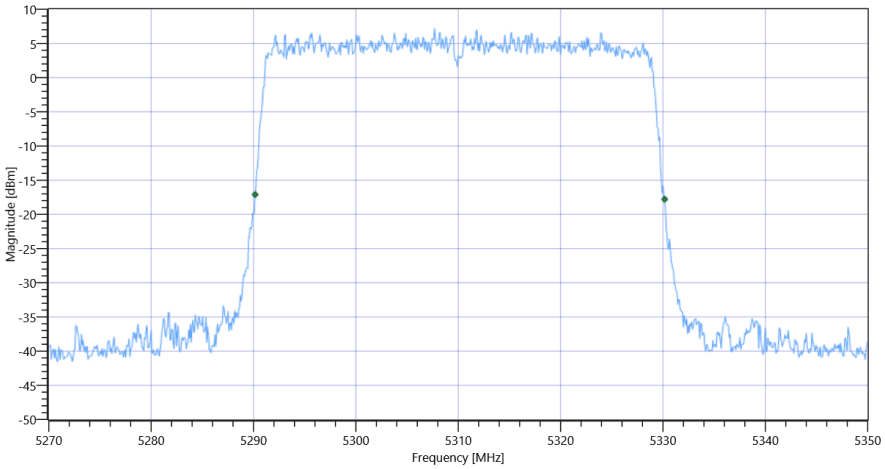
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:91					
Duty Cycle (Burst Ratio) max	---	---	0.985	---	INFO
Duty Cycle max	---	---	0.066	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.025	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A 5310 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40	MHz	INFO
T1 26dB	---	---	5290.1600	MHz	INFO
T2 26dB	---	---	5330.1600	MHz	INFO

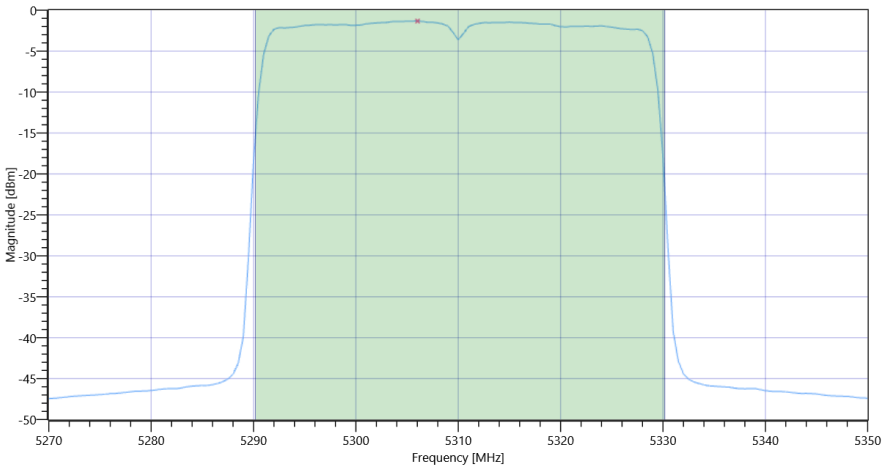


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.98 | 18.4 | 20
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	13.66	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.03	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.02	14.03	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-1.33	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.96	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 15:57:25
Ambit Temp [°C] | Humidity [rel%]	28.4 | 30
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

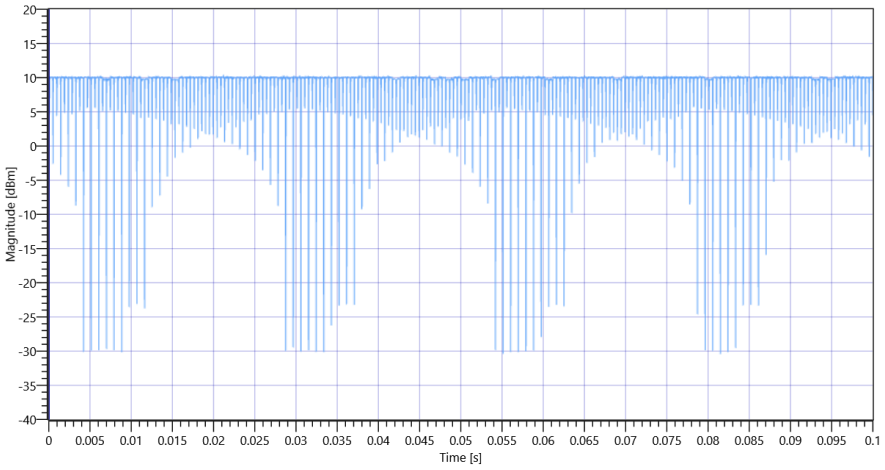
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5510 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.83	dBm	INFO
Ref. Frequency	---	---	5504.610	MHz	INFO

Evaluation max. Duty Cycle

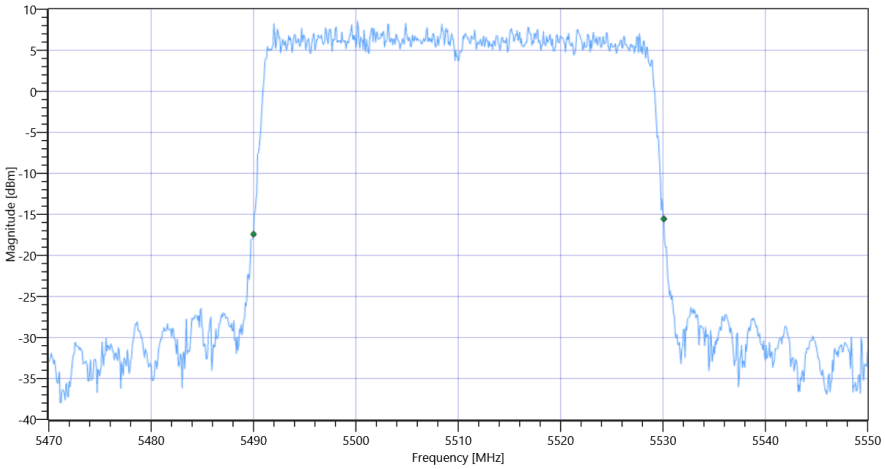
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:87					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5510 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.08	MHz	INFO
T1 26dB	---	---	5490.0000	MHz	INFO
T2 26dB	---	---	5530.0800	MHz	INFO

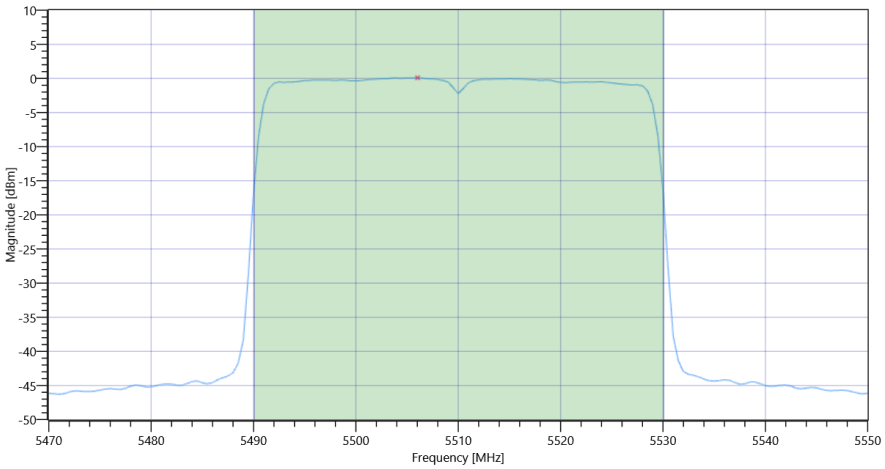


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.83 | 18.49 | 20
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	15.11	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.48	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.03	15.48	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.09	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	0.46	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 16:02:34
Ambit Temp [°C] | Humidity [rel%]	28.4 | 30
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

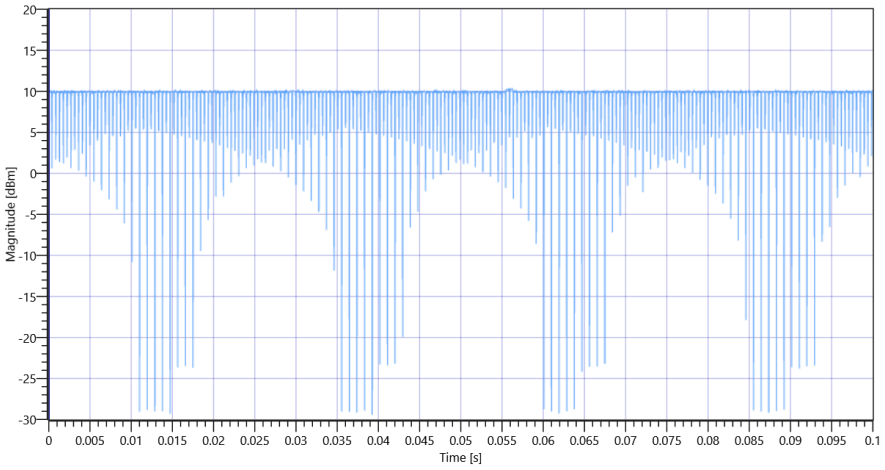
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5590 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.12	dBm	INFO
Ref. Frequency	---	---	5601.790	MHz	INFO

Evaluation max. Duty Cycle

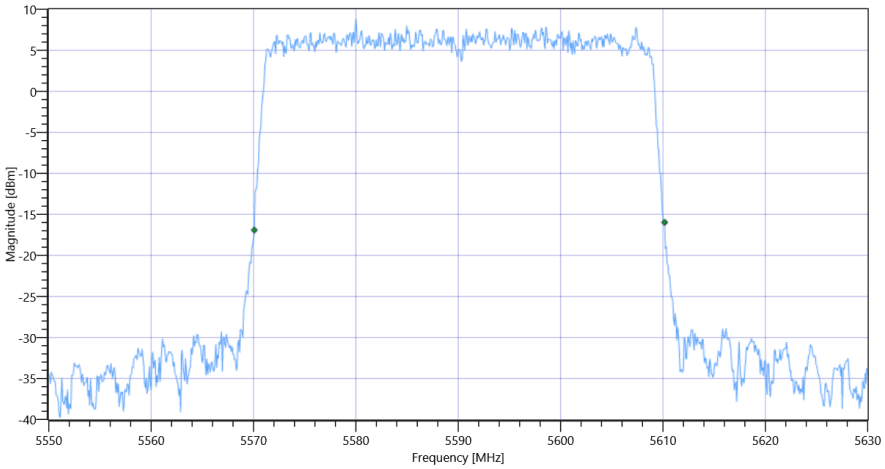
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:89					
Duty Cycle (Burst Ratio) max	---	---	0.988	---	INFO
Duty Cycle max	---	---	0.052	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	5.95	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5590 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.08	MHz	INFO
T1 26dB	---	---	5570.0800	MHz	INFO
T2 26dB	---	---	5610.1600	MHz	INFO

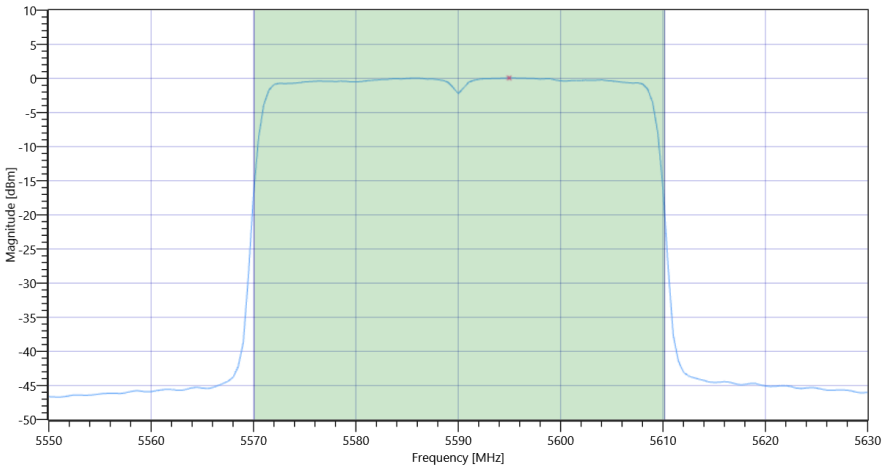


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.12 | 19.02 | 20
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	15.14	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	15.51	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.03	15.51	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.07	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	0.44	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	18.07.2022 16:07:53
Ambit Temp [°C] | Humidity [rel%]	28.4 | 29
System Version	3.2.0.2
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-HE40 U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

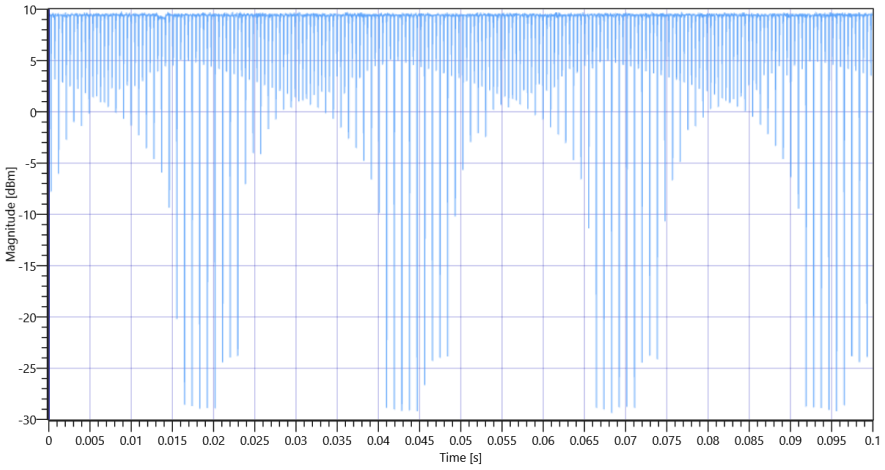
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5670 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.69	dBm	INFO
Ref. Frequency	---	---	5679.990	MHz	INFO

Evaluation max. Duty Cycle

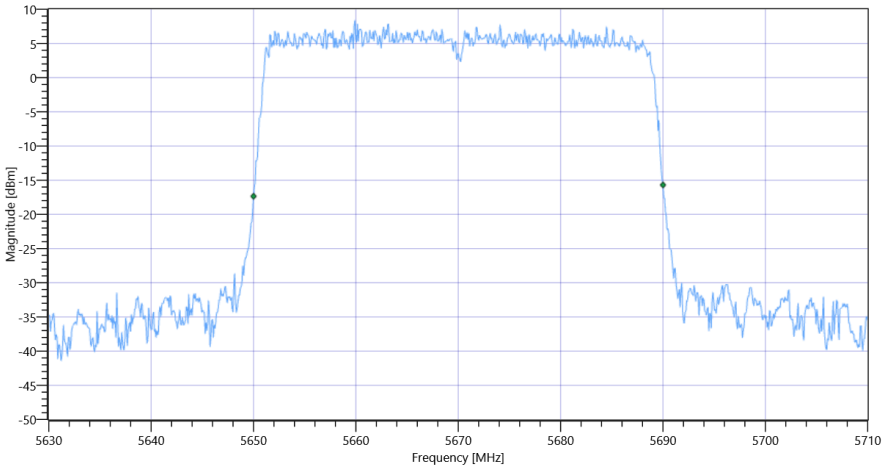
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:85					
Duty Cycle (Burst Ratio) max	---	---	0.989	---	INFO
Duty Cycle max	---	---	0.048	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	6.875	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C 5670 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40	MHz	INFO
T1 26dB	---	---	5650.0000	MHz	INFO
T2 26dB	---	---	5690.0000	MHz	INFO

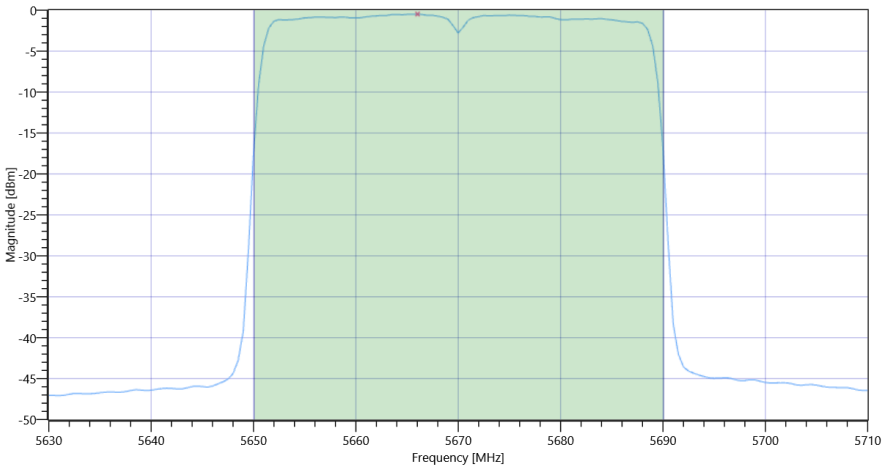


FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.69 | 18.67 | 20
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	14.53	dBm	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	14.9	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.02	14.9	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.48	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0.37	dB	INFO
Power Spectral Density DC corrected	---	11	-0.11	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	18.07.2022 16:13:32
Ambit Temp [°C] | Humidity [rel%]	28.5 | 29
System Version	3.2.0.2
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-HE40 U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	2
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx ax-HE40
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5795
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

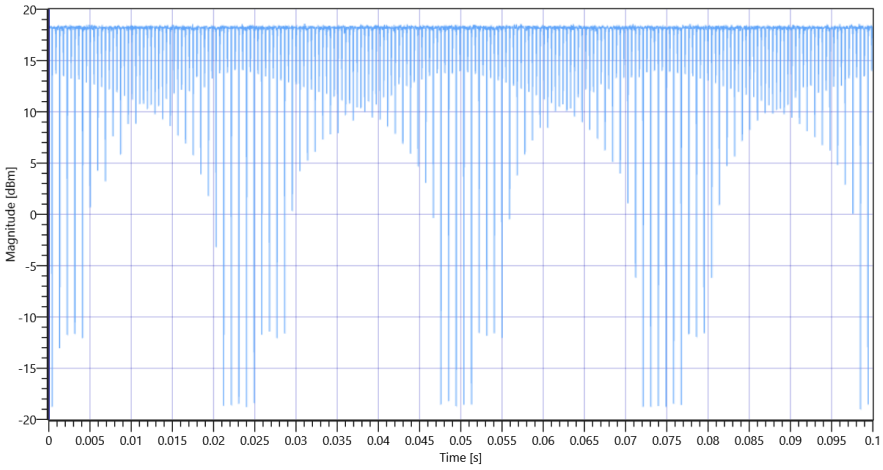
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI

Test at TX 5755 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	17.82	dBm	INFO
Ref. Frequency	---	---	5749.010	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Result Summary					
Number of detected Bursts:84					
Duty Cycle (Burst Ratio) max	---	---	0.989	---	INFO
Duty Cycle max	---	---	0.048	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	0.919	---	INFO
Duty Cycle min	---	---	0.367	dB	INFO
Max TX Burst Length	---	---	6.875	ms	INFO
Min Gap Length	---	---	0.075	ms	INFO
Max Gap Length	---	---	0.075	ms	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3 5755 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	80	MHz	INFO
T1 26dB	---	---	5715.0000	MHz	INFO
T2 26dB	---	---	5795.0000	MHz	INFO