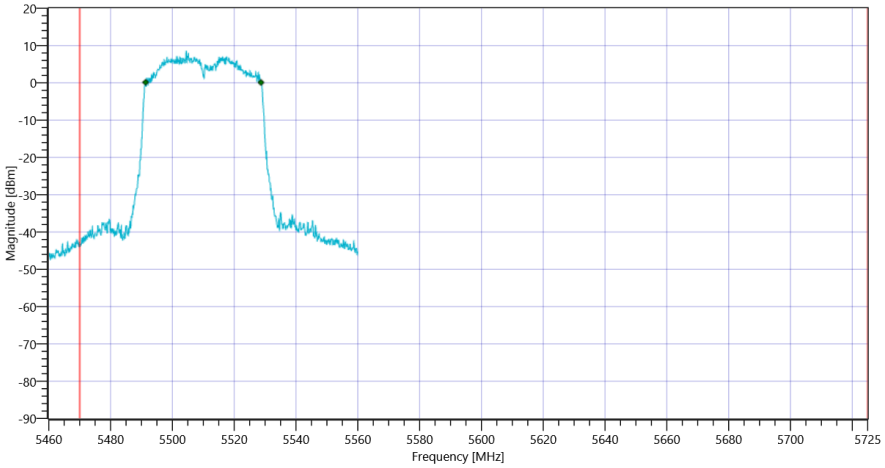
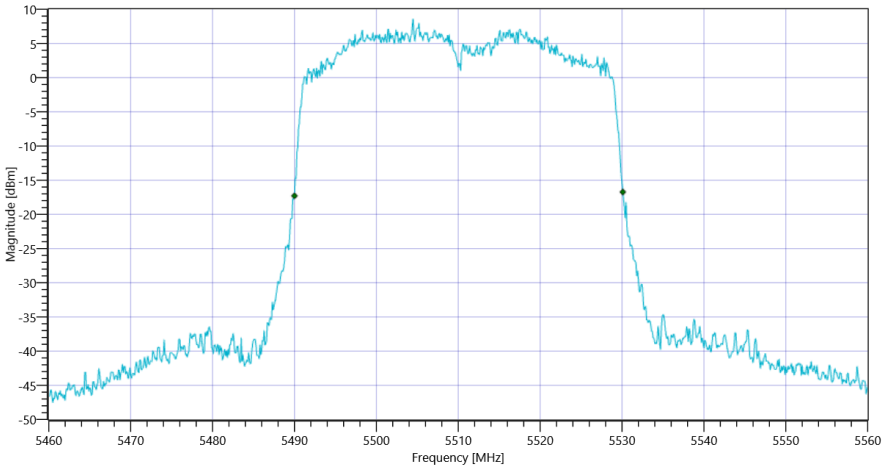


FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C

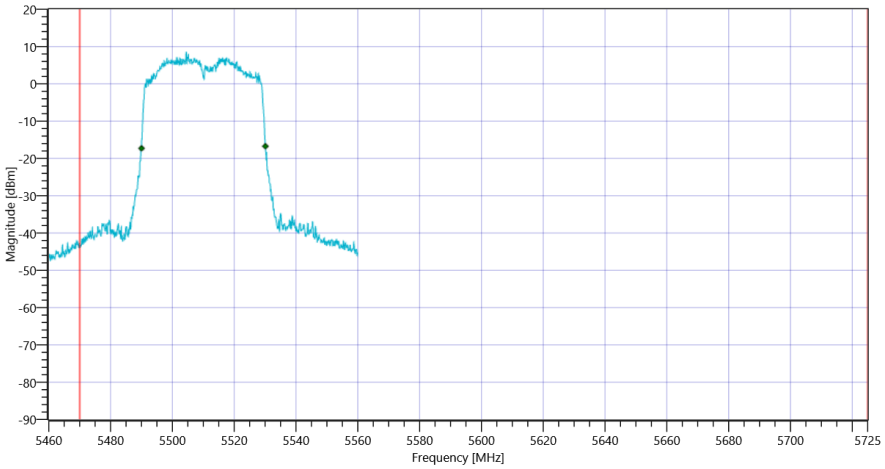
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40.1	MHz	INFO
T1 26dB	5470.000000	---	5490.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.1000	MHz	

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C

Test References	
TC Start	30.03.2022 09:31:18
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2C
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

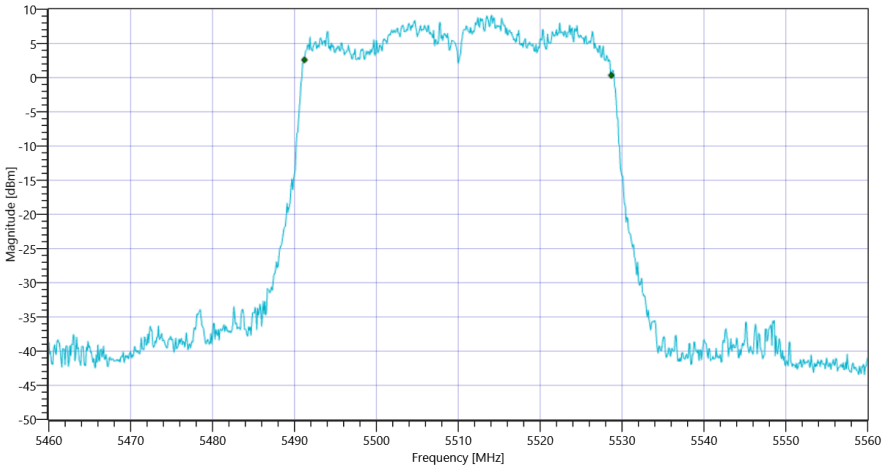
Test at TX 5510 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.30	dBm	INFO
Ref. Frequency	---	---	5513.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.30 | 17.59 | 20
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

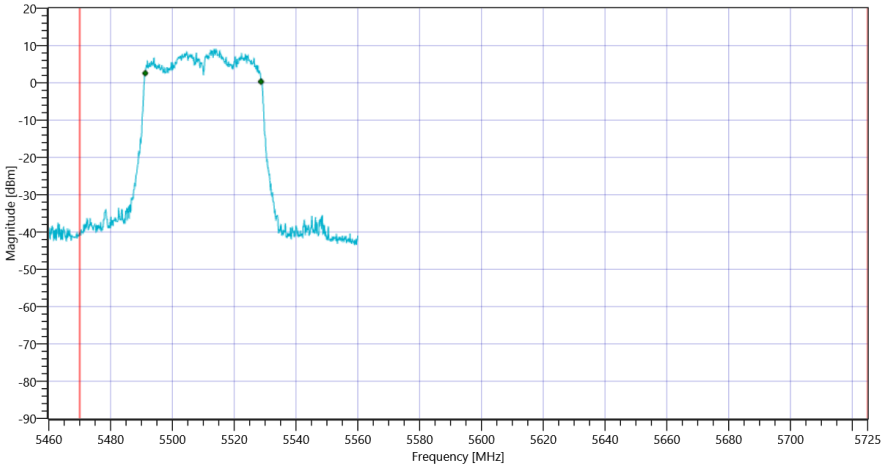
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.463	MHz	INFO
T1 99%	5470.000000	---	5491.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.6813	MHz	

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C 99PCT

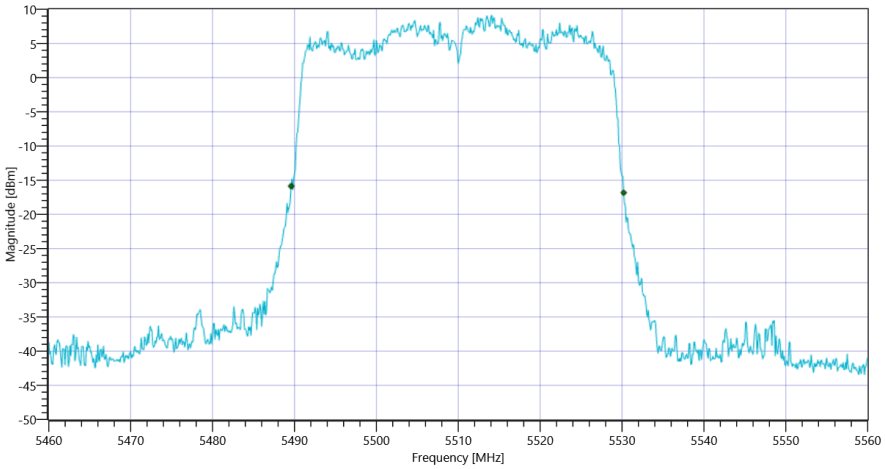
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C

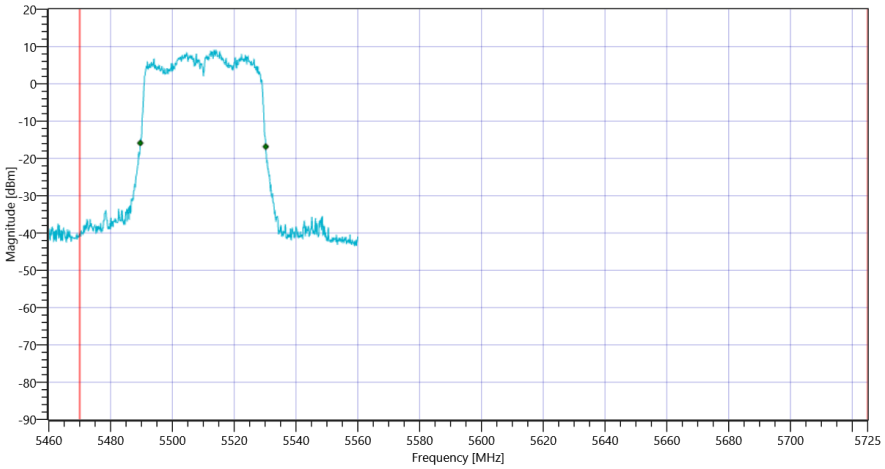
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40.6	MHz	INFO
T1 26dB	5470.000000	---	5489.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.2000	MHz	

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2C

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:27:32
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

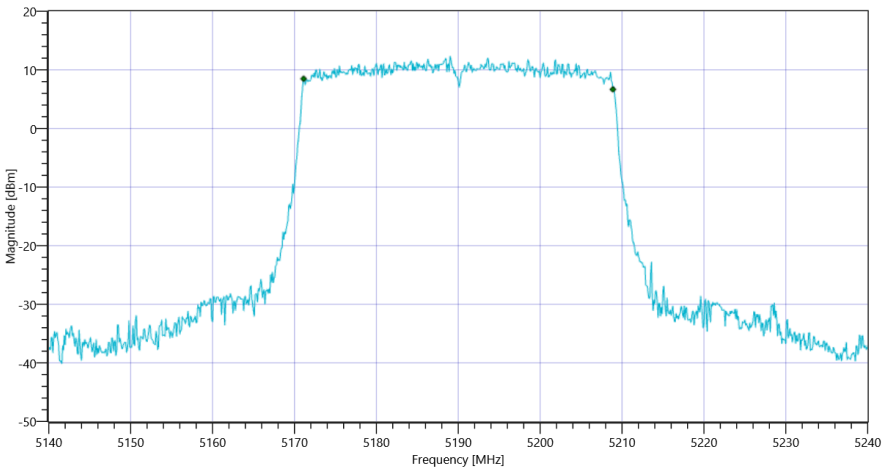
Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.87	dBm	INFO
Ref. Frequency	---	---	5191.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.87 | 17.05 | 20
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

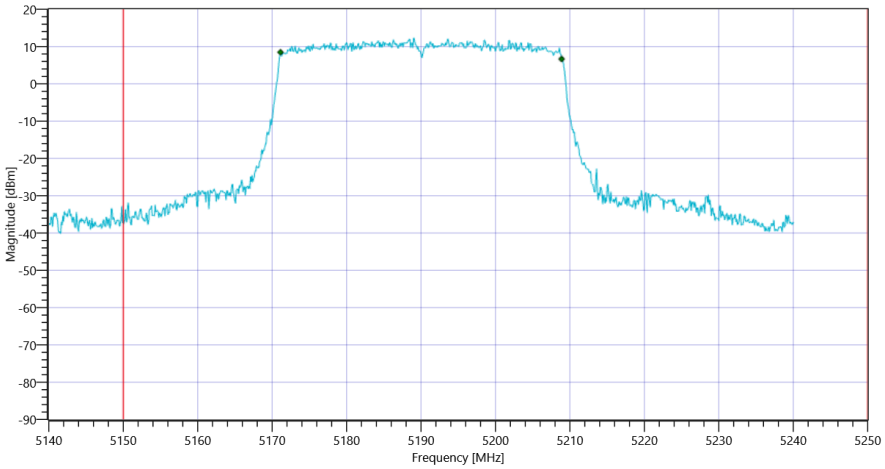
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5150.000000	---	5171.1189	MHz	PASS
T2 99%	---	5250.000000	5208.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

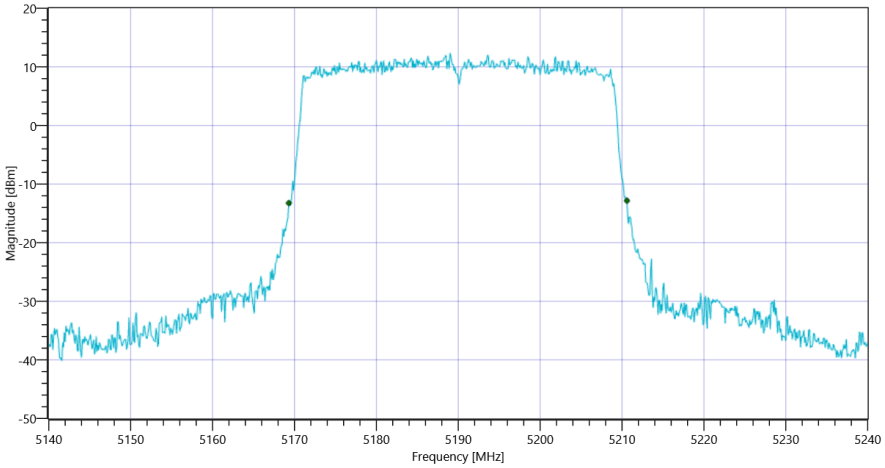
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

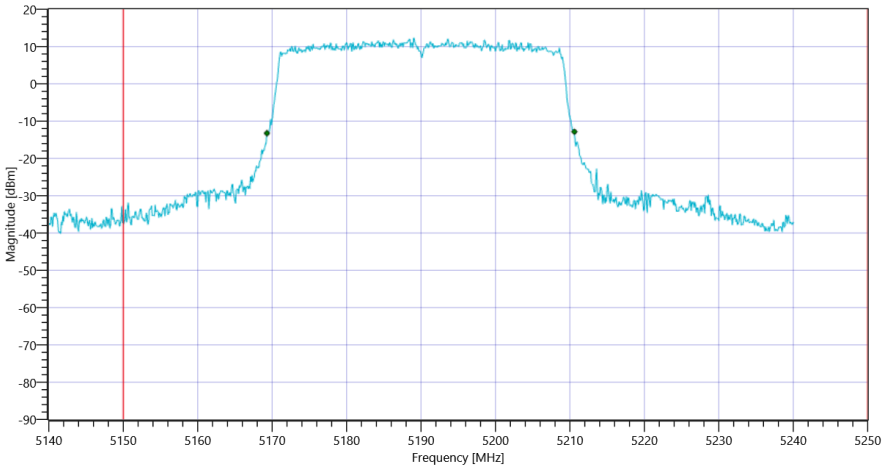
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41.3	MHz	INFO
T1 26dB	5150.000000	---	5169.3000	MHz	PASS
T2 26dB	---	5250.000000	5210.6000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:31:23
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

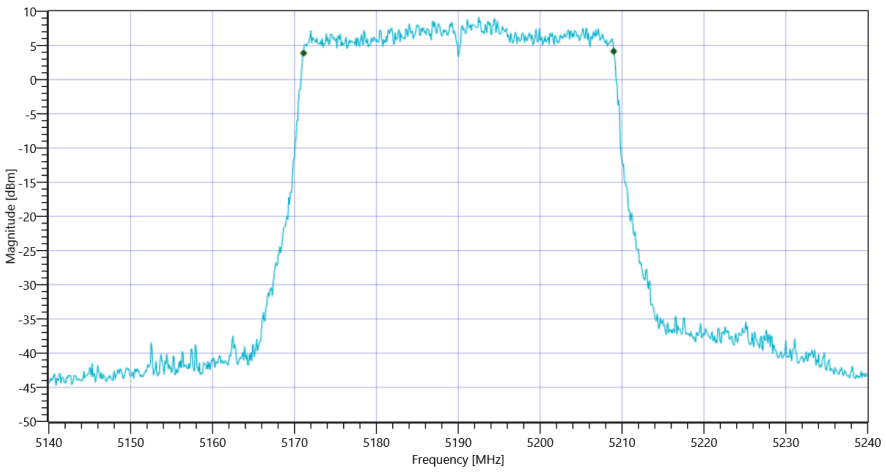
Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	10.20	dBm	INFO
Ref. Frequency	---	---	5192.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.20 | 17.05 | 20
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

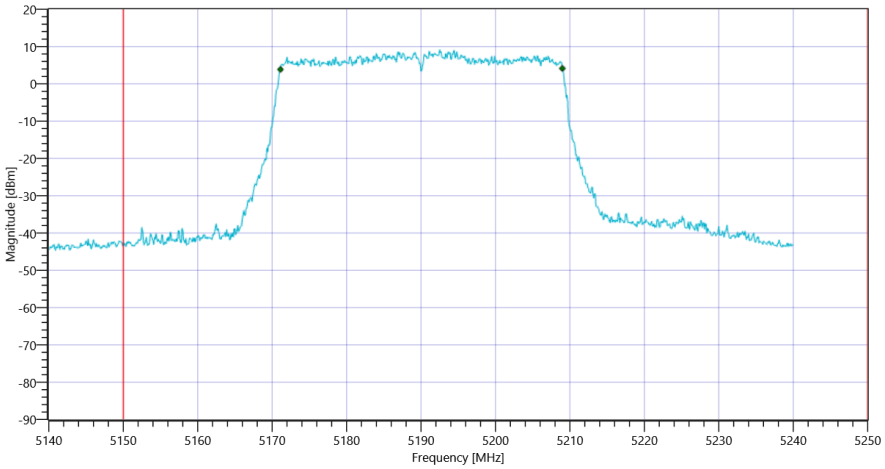
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.862	MHz	INFO
T1 99%	5150.000000	---	5171.1189	MHz	PASS
T2 99%	---	5250.000000	5208.9810	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

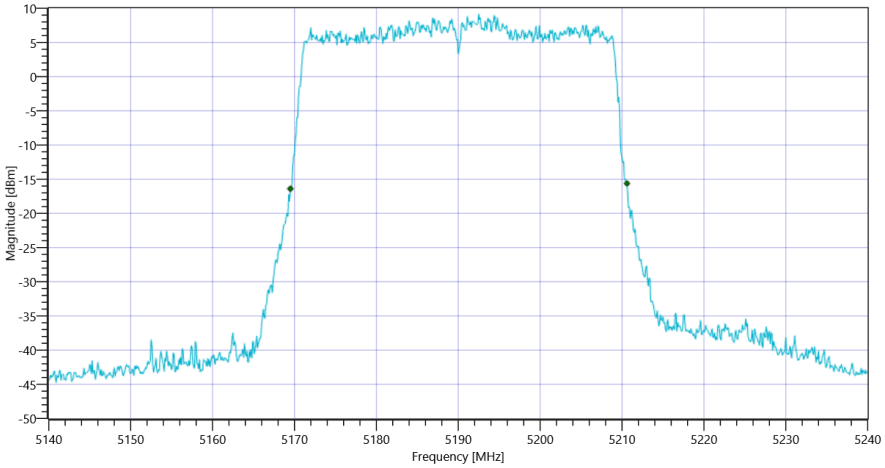
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

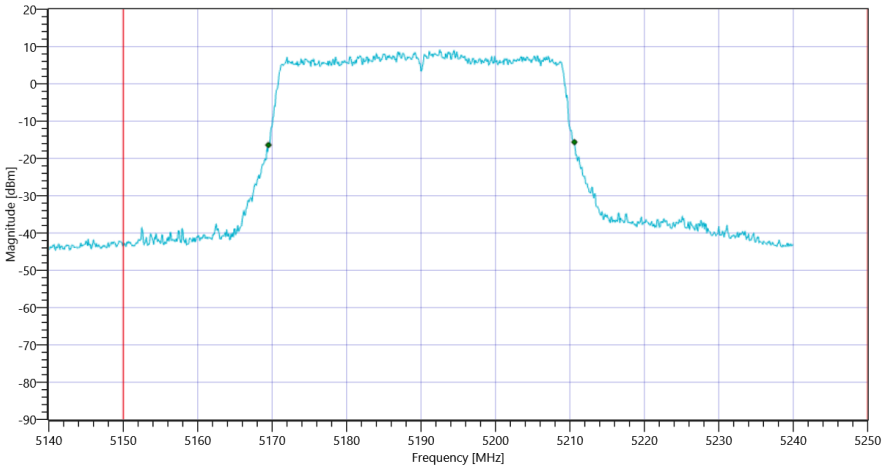
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41.1	MHz	INFO
T1 26dB	5150.000000	---	5169.5000	MHz	PASS
T2 26dB	---	5250.000000	5210.6000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:35:16
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
Antenna Port used	3
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

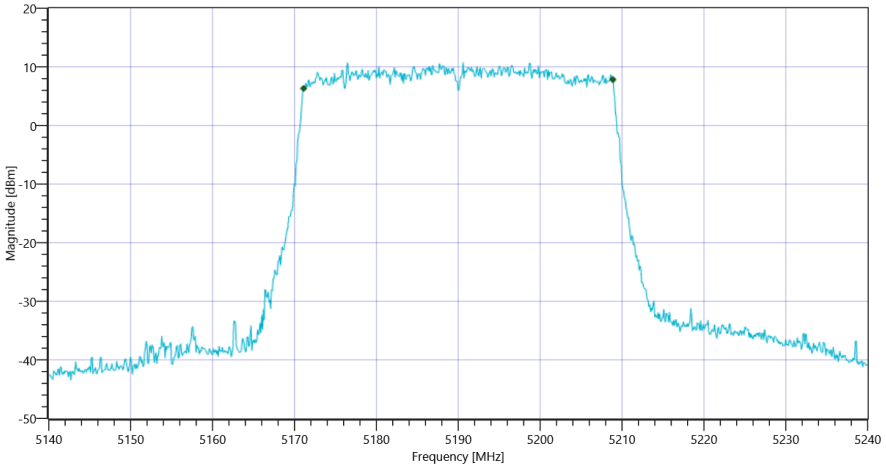
Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.93	dBm	INFO
Ref. Frequency	---	---	5193.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.93 | 17.05 | 20
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

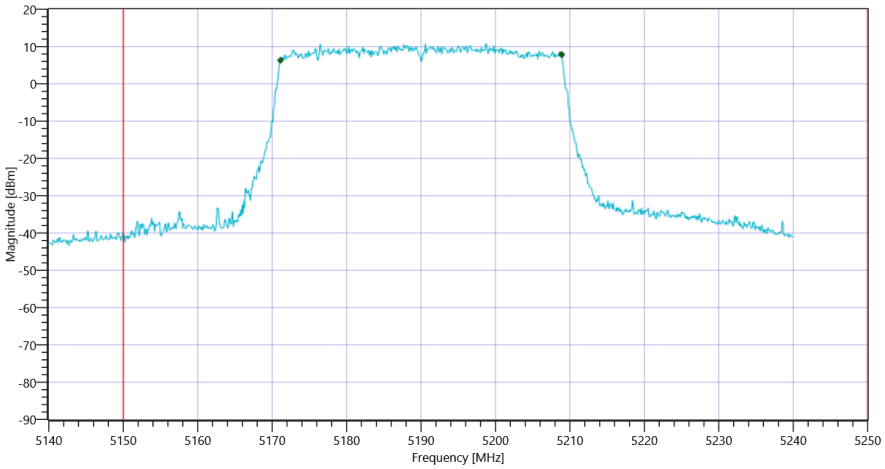
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5150.000000	---	5171.1189	MHz	PASS
T2 99%	---	5250.000000	5208.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

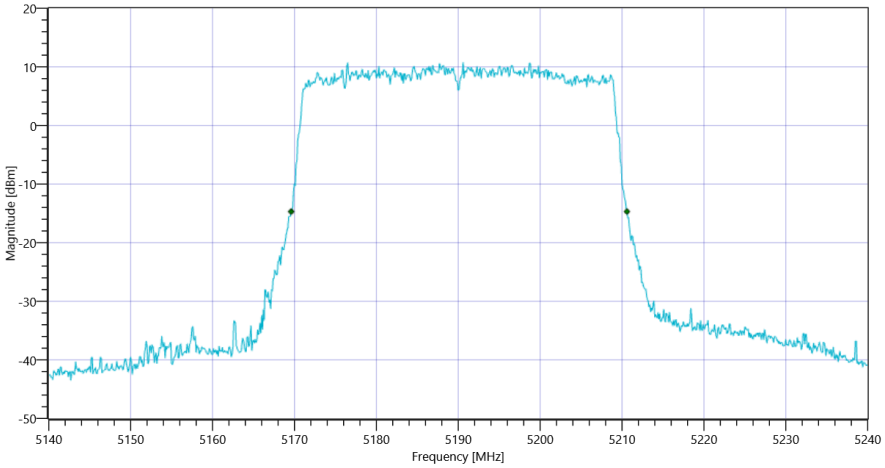
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

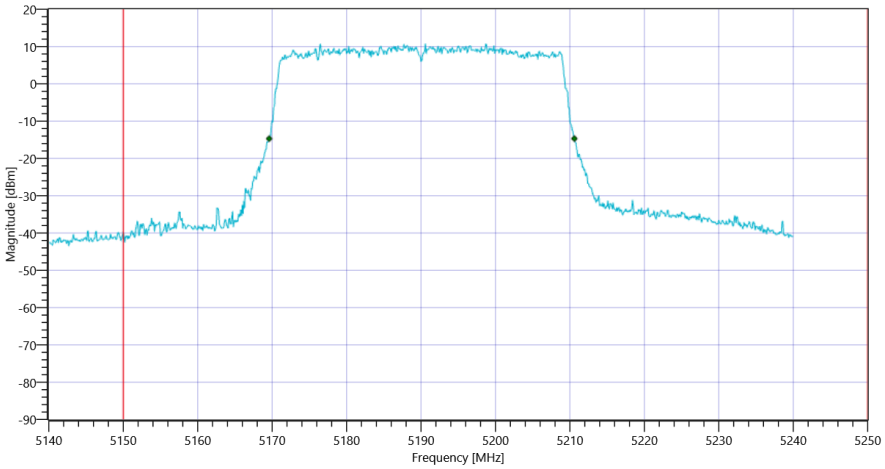
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41	MHz	INFO
T1 26dB	5150.000000	---	5169.6000	MHz	PASS
T2 26dB	---	5250.000000	5210.6000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:39:09
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
Antenna Port used	4
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

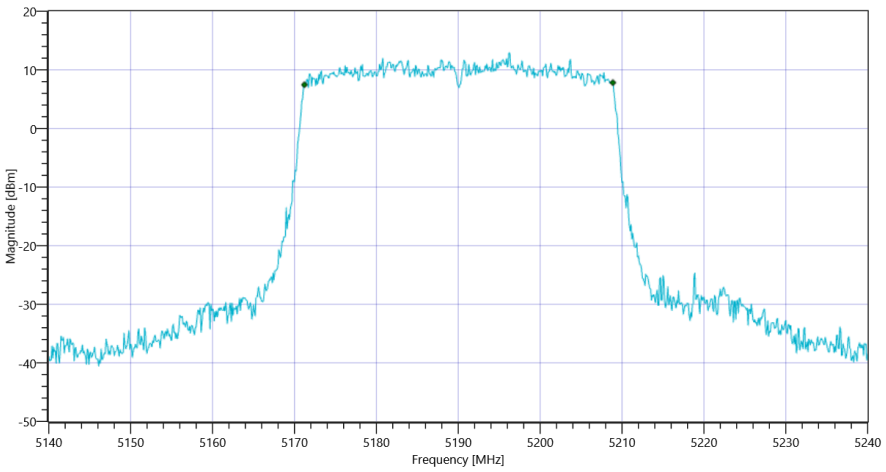
Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.99	dBm	INFO
Ref. Frequency	---	---	5184.010	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.99 | 17.05 | 20
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

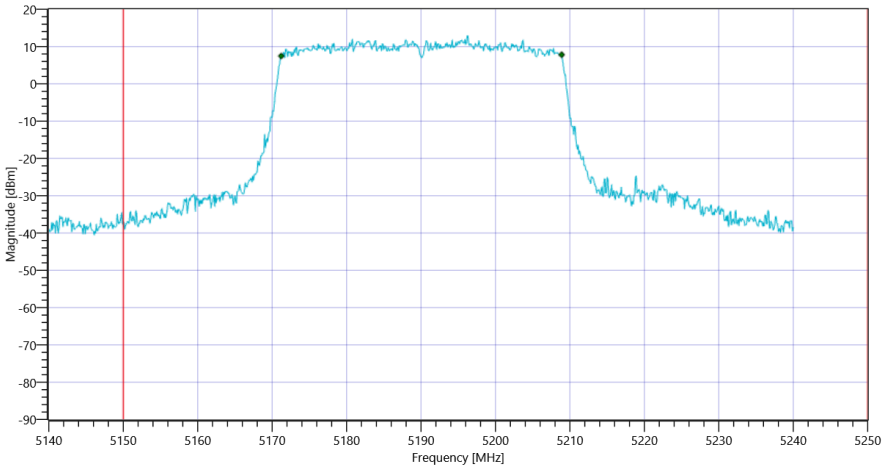
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5150.000000	---	5171.2188	MHz	PASS
T2 99%	---	5250.000000	5208.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

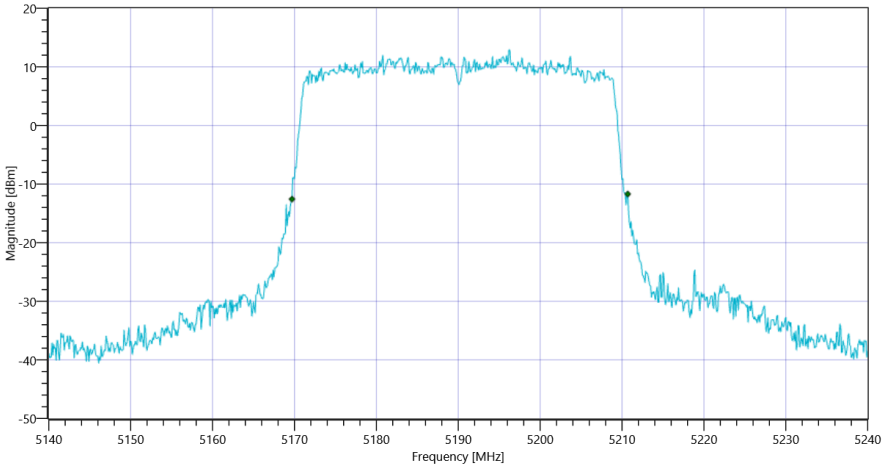
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

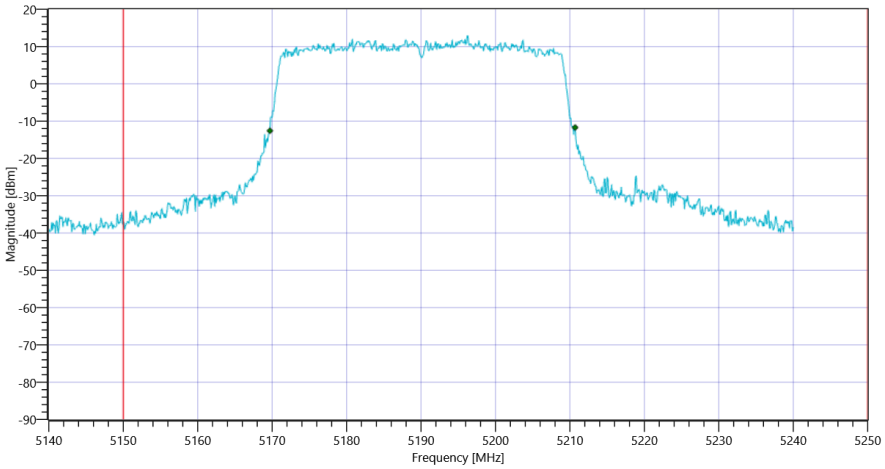
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41	MHz	INFO
T1 26dB	5150.000000	---	5169.7000	MHz	PASS
T2 26dB	---	5250.000000	5210.7000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:43:23
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

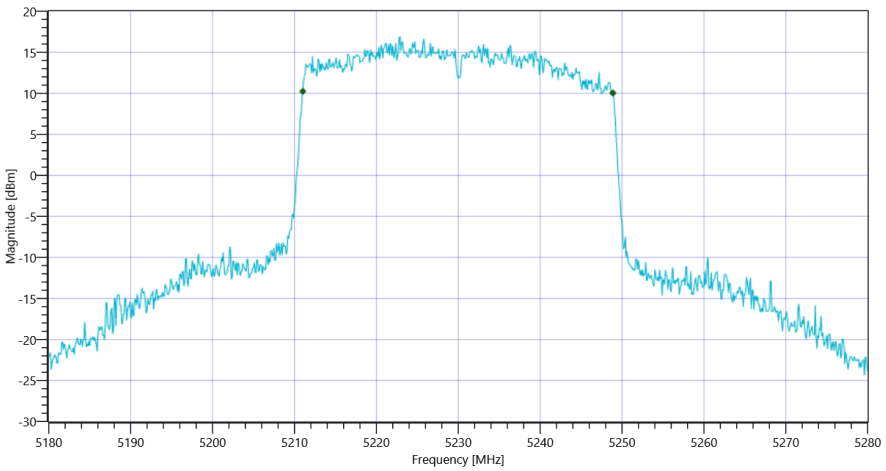
Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	17.26	dBm	INFO
Ref. Frequency	---	---	5238.590	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.26 | 17.47 | 25
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

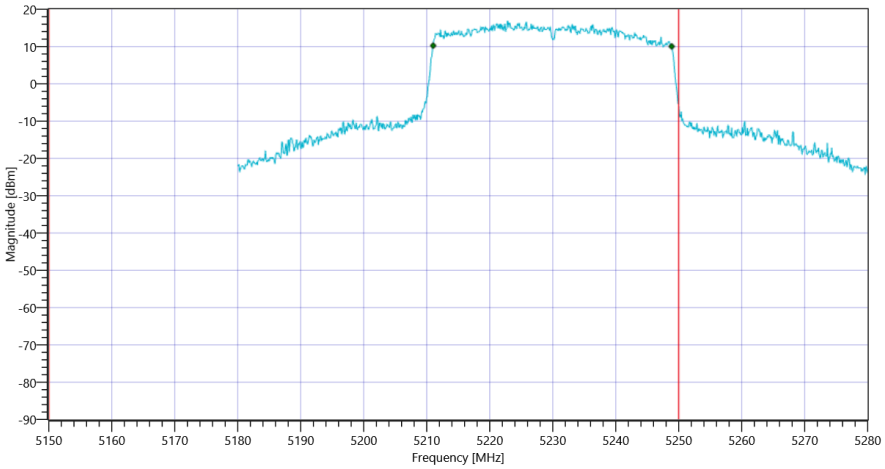
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.862	MHz	INFO
T1 99%	5150.000000	---	5211.0190	MHz	PASS
T2 99%	---	5250.000000	5248.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

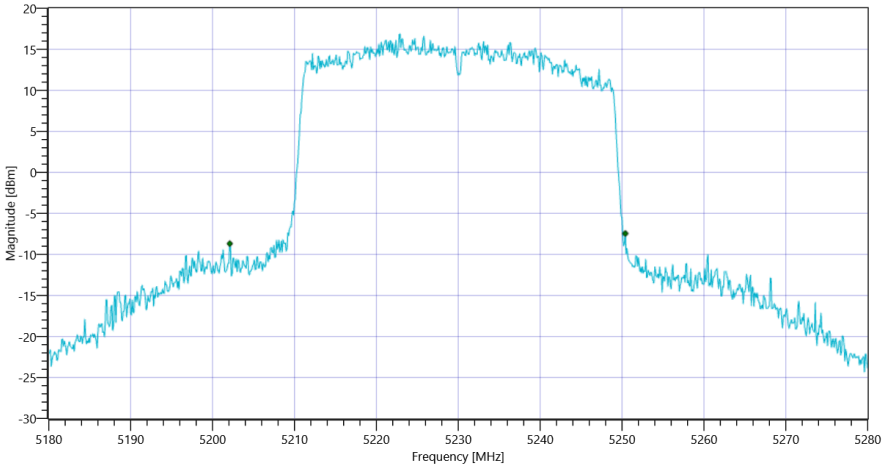
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

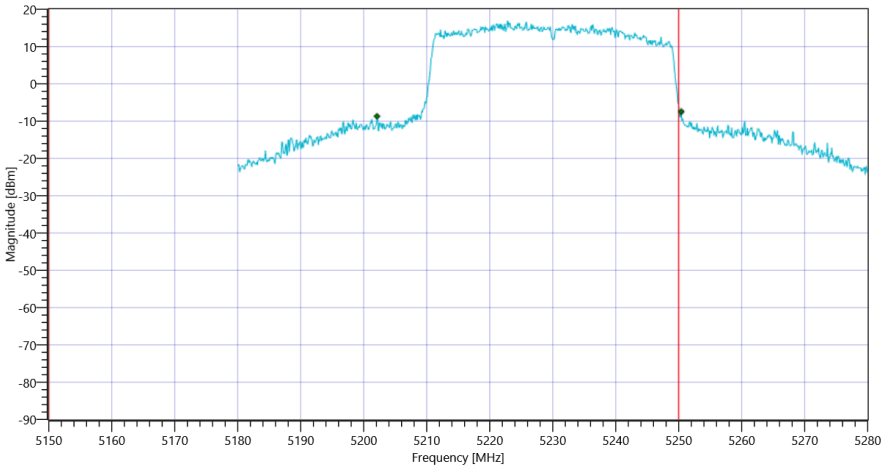
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	48.3	MHz	INFO
T1 26dB	5150.000000	---	5202.1000	MHz	PASS
T2 26dB	---	5250.000000	5250.4000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:47:17
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

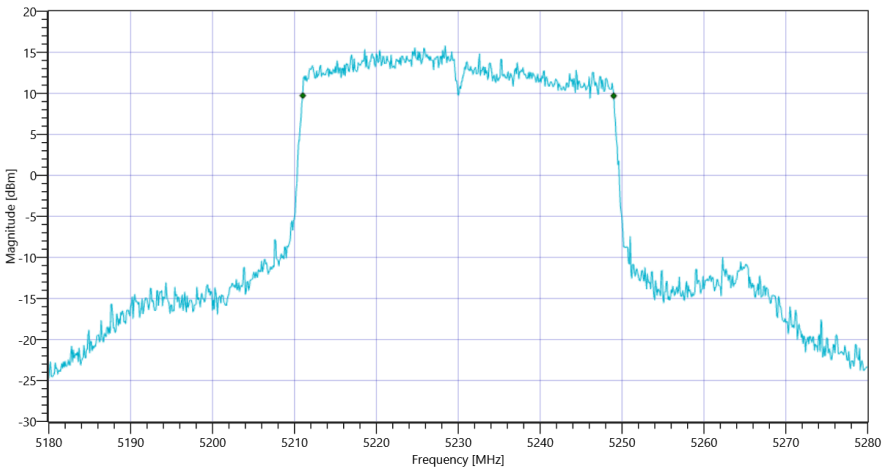
Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	16.74	dBm	INFO
Ref. Frequency	---	---	5213.020	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.74 | 17.47 | 25
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

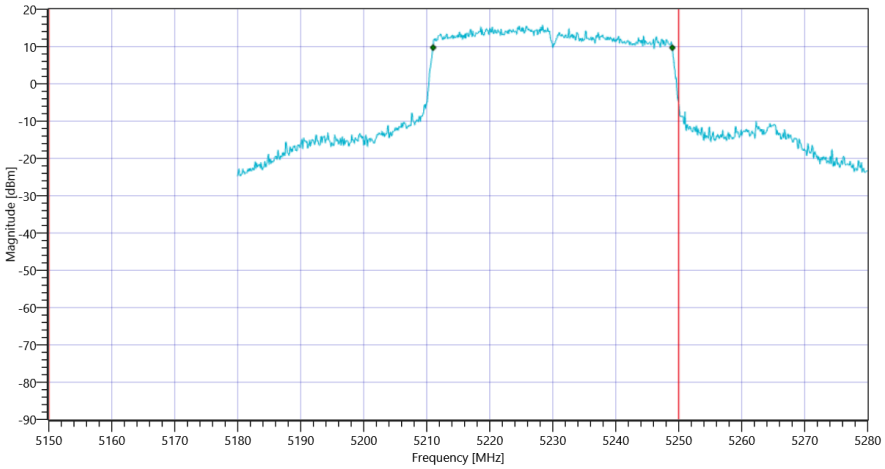
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.962	MHz	INFO
T1 99%	5150.000000	---	5211.0190	MHz	PASS
T2 99%	---	5250.000000	5248.9810	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

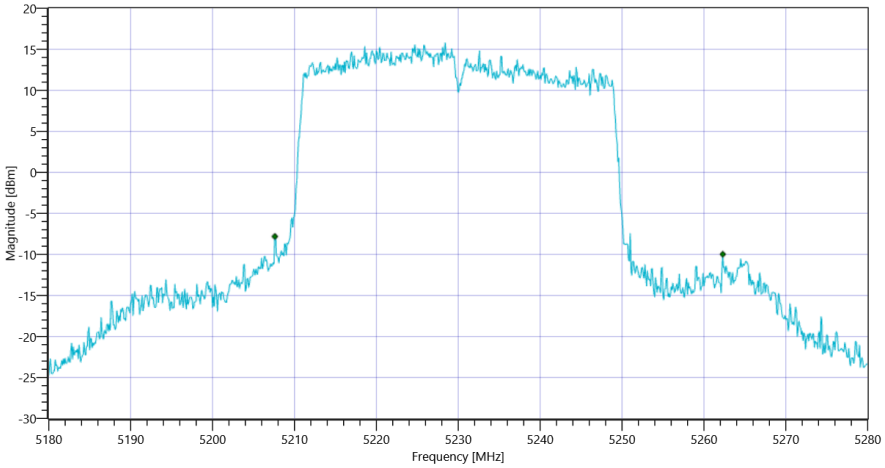
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

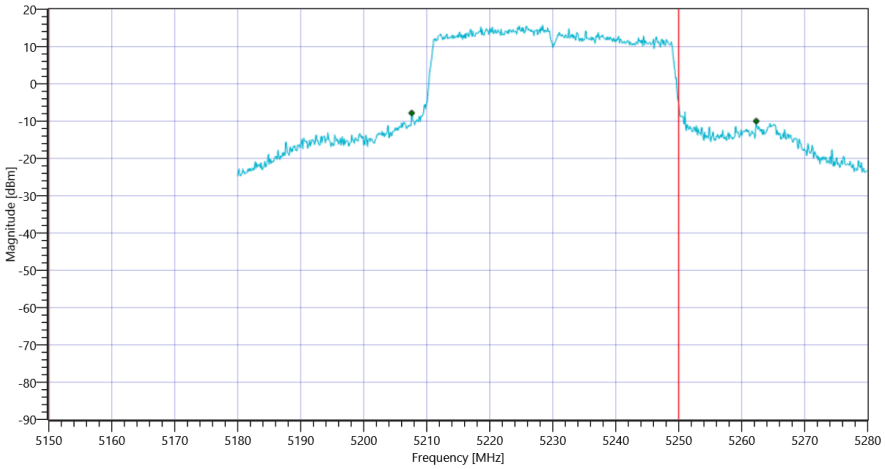
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	54.7	MHz	INFO
T1 26dB	5150.000000	---	5207.6000	MHz	PASS
T2 26dB	---	5250.000000	5262.3000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:51:11
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
Antenna Port used	3
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

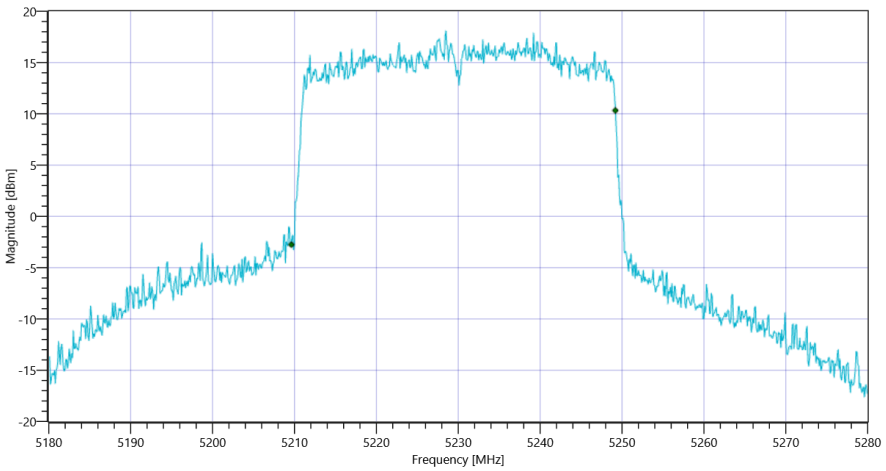
Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	18.57	dBm	INFO
Ref. Frequency	---	---	5241.990	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.57 | 17.47 | 25
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

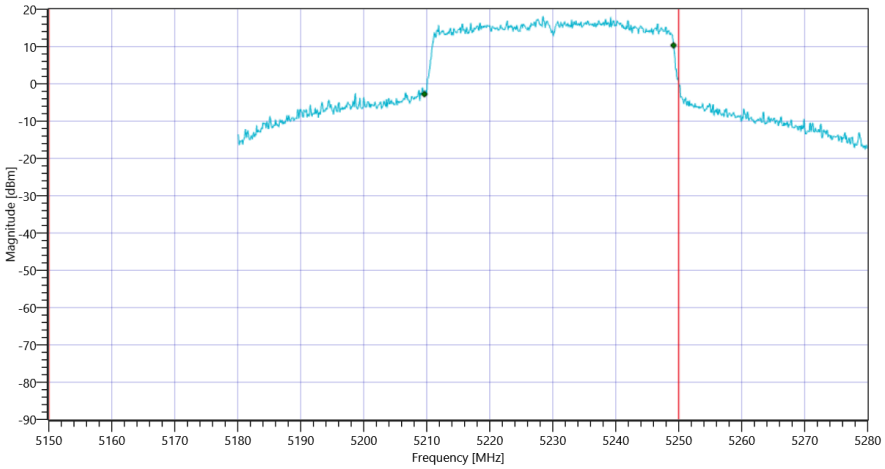
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	39.560	MHz	INFO
T1 99%	5150.000000	---	5209.6204	MHz	PASS
T2 99%	---	5250.000000	5249.1808	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

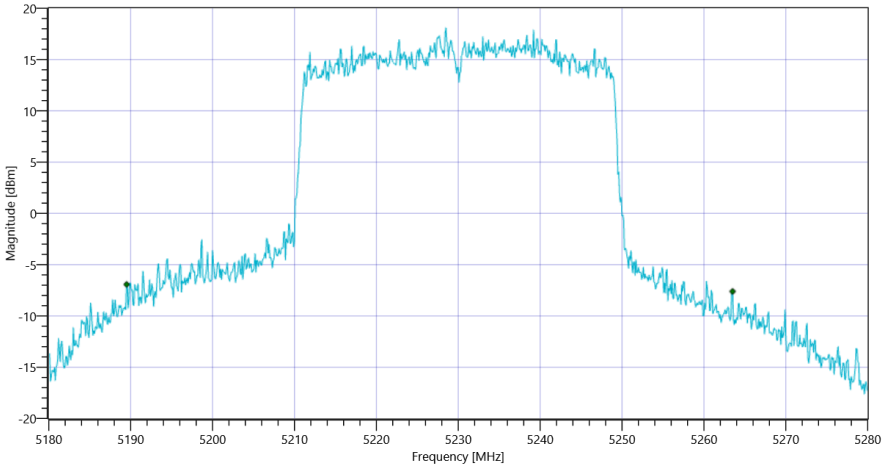
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

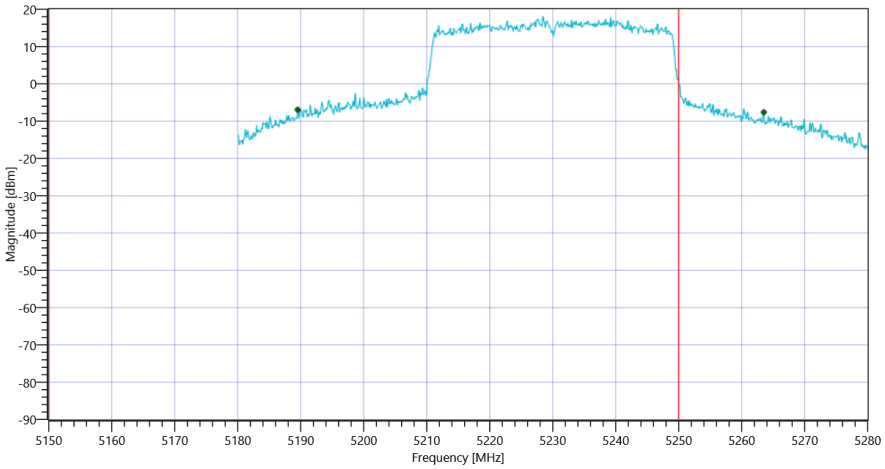
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	74	MHz	INFO
T1 26dB	5150.000000	---	5189.5000	MHz	PASS
T2 26dB	---	5250.000000	5263.5000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

Test References	
TC Start	30.03.2022 08:55:05
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-1
Antenna Port used	4
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

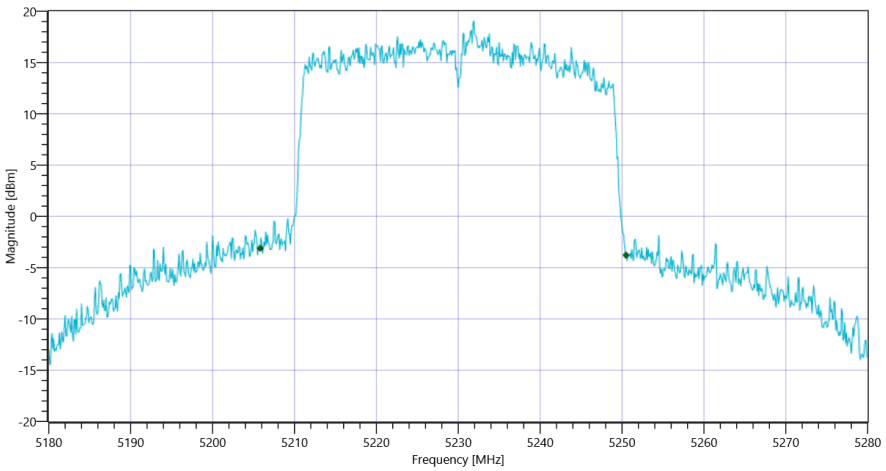
Test at TX 5230 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	19.59	dBm	INFO
Ref. Frequency	---	---	5231.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.59 | 17.47 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

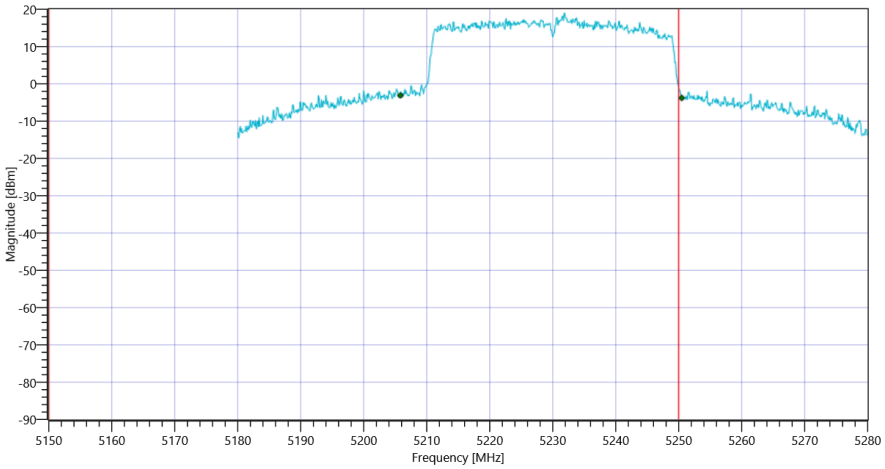
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	44.655	MHz	INFO
T1 99%	5150.000000	---	5205.8242	MHz	PASS
T2 99%	---	5250.000000	5250.4795	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 99PCT

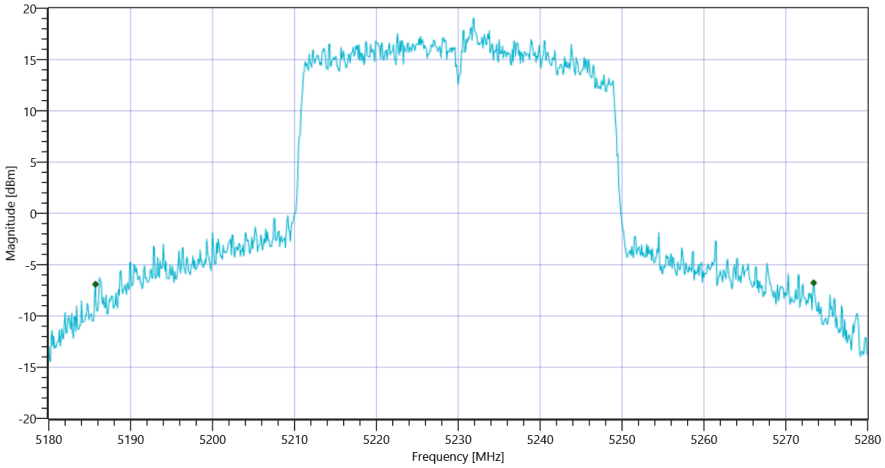
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

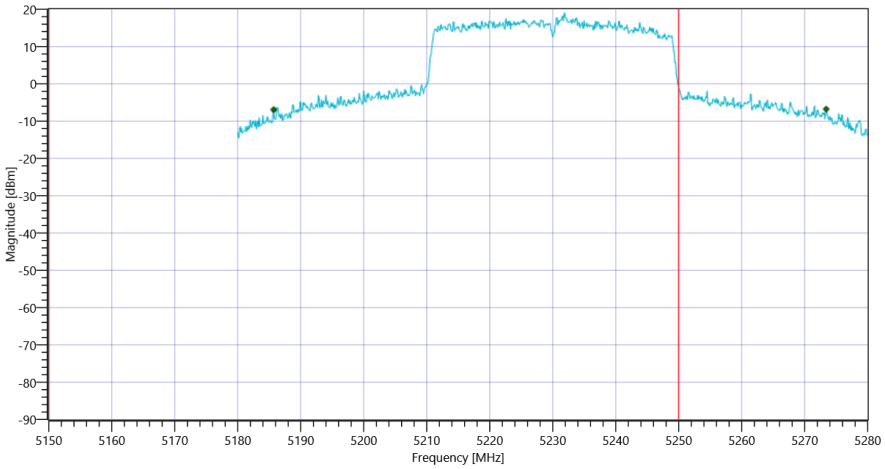
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	87.7	MHz	INFO
T1 26dB	5150.000000	---	5185.7000	MHz	PASS
T2 26dB	---	5250.000000	5273.4000	MHz	DFS required

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-1

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 08:59:20
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

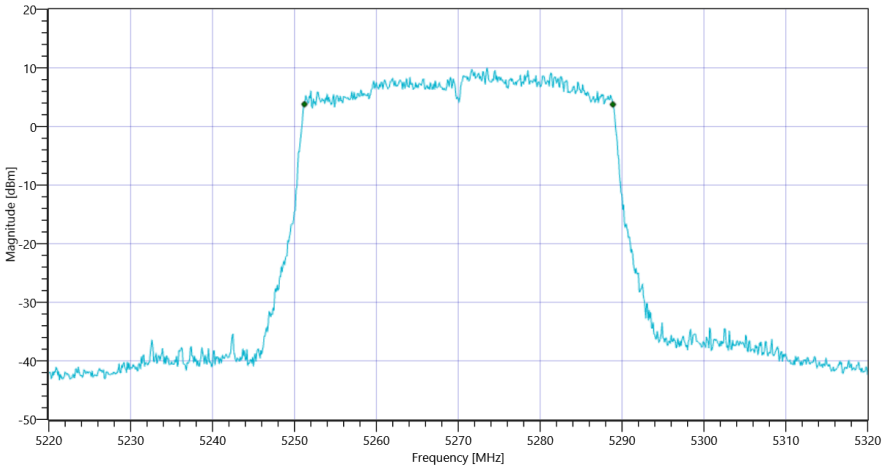
Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.26	dBm	INFO
Ref. Frequency	---	---	5272.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.26 | 17.85 | 20
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

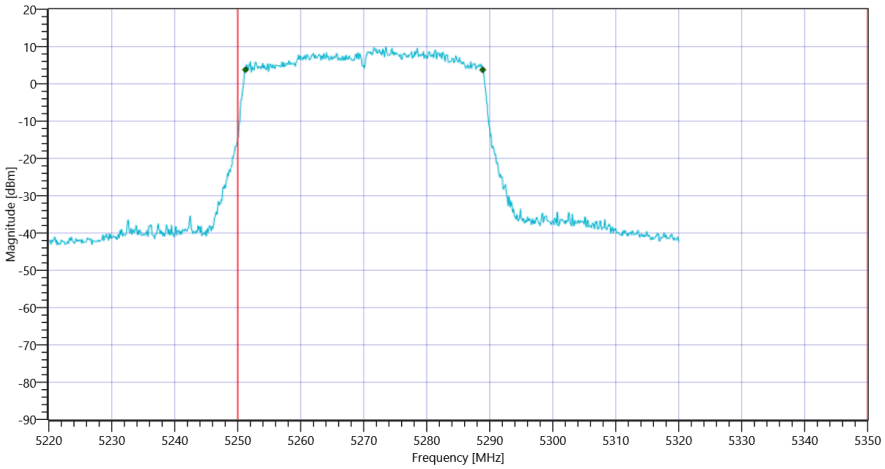
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5251.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

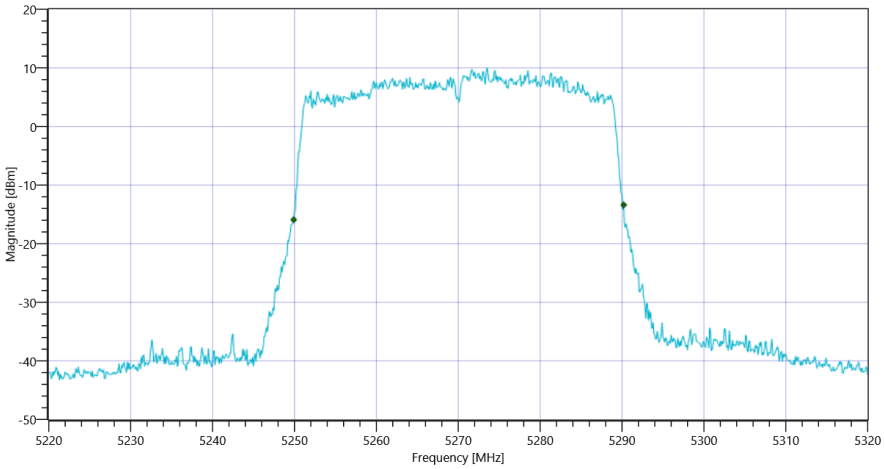
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

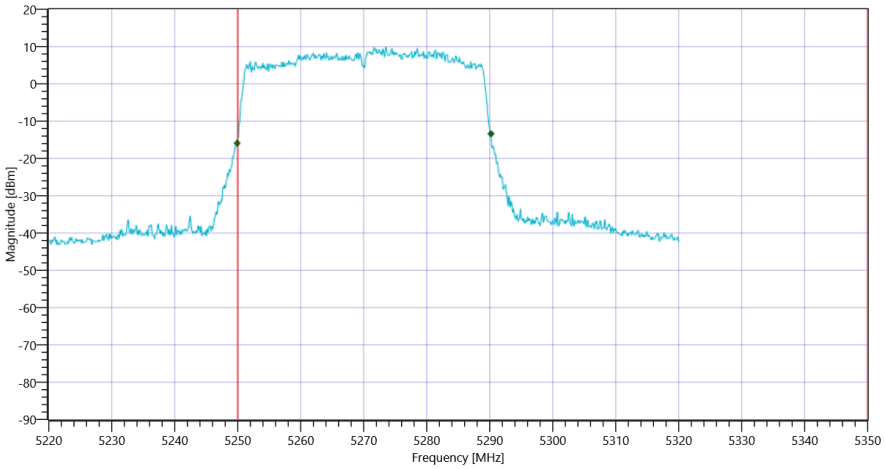
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40.3	MHz	INFO
T1 26dB	5250.000000	---	5249.9000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.2000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:03:14
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

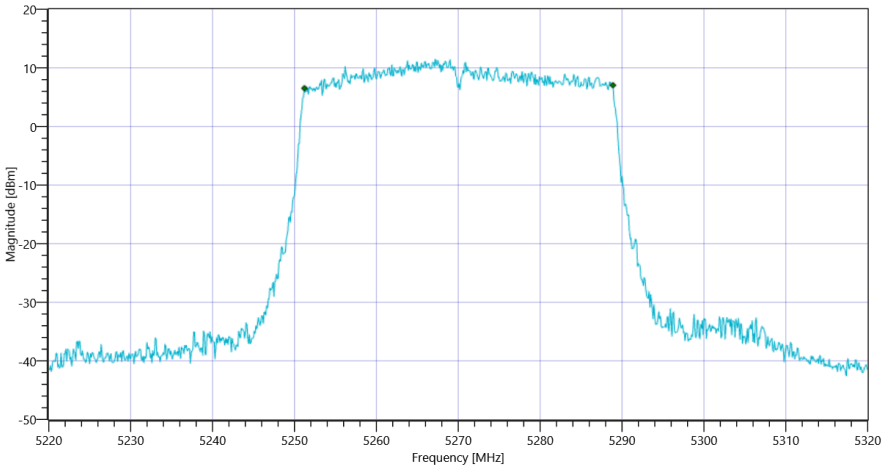
Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	12.41	dBm	INFO
Ref. Frequency	---	---	5267.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.41 | 17.85 | 20
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

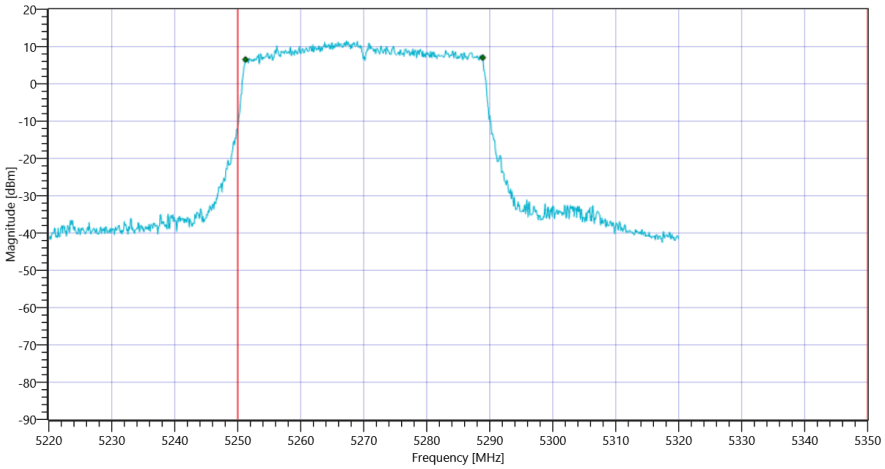
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5251.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

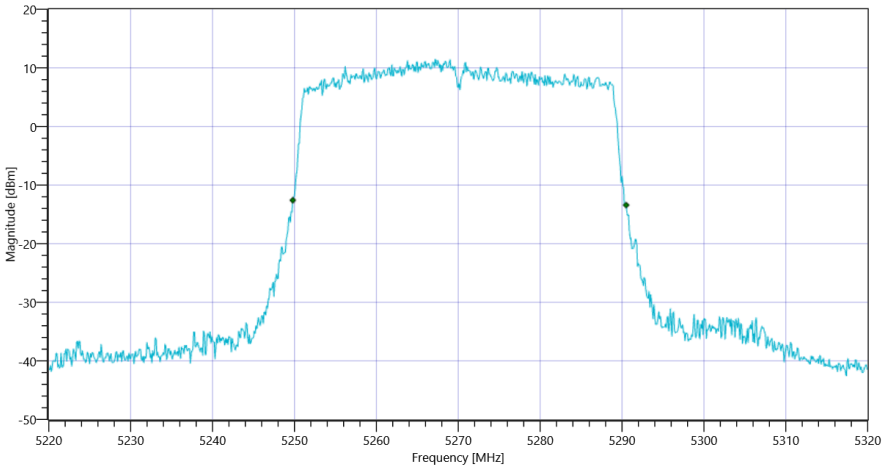
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

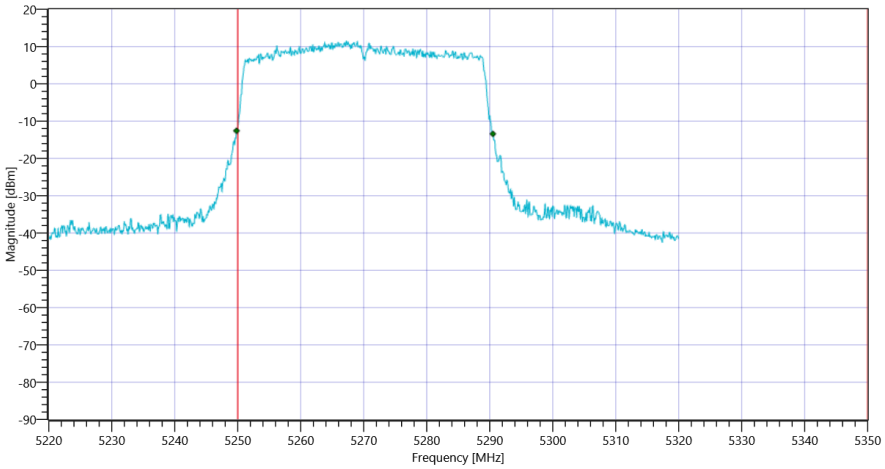
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40.7	MHz	INFO
T1 26dB	5250.000000	---	5249.8000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.5000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:07:08
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
Antenna Port used	3
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

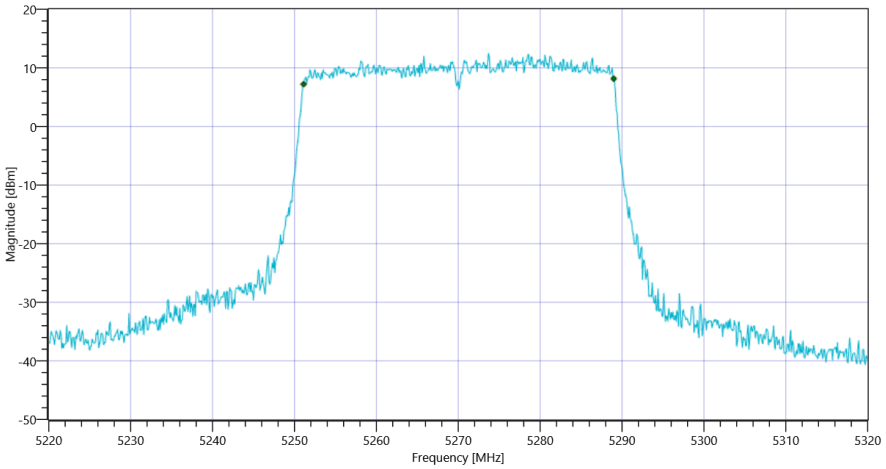
Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	13.95	dBm	INFO
Ref. Frequency	---	---	5279.190	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.95 | 17.85 | 20
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

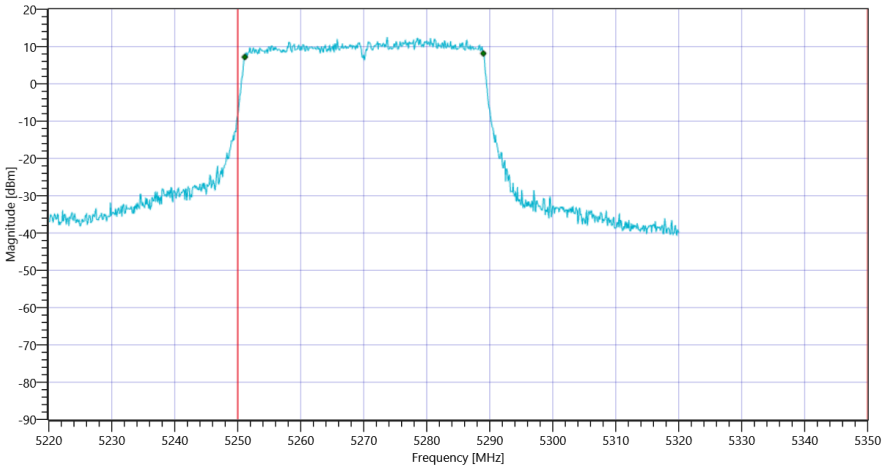
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.862	MHz	INFO
T1 99%	5250.000000	---	5251.1189	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.9810	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

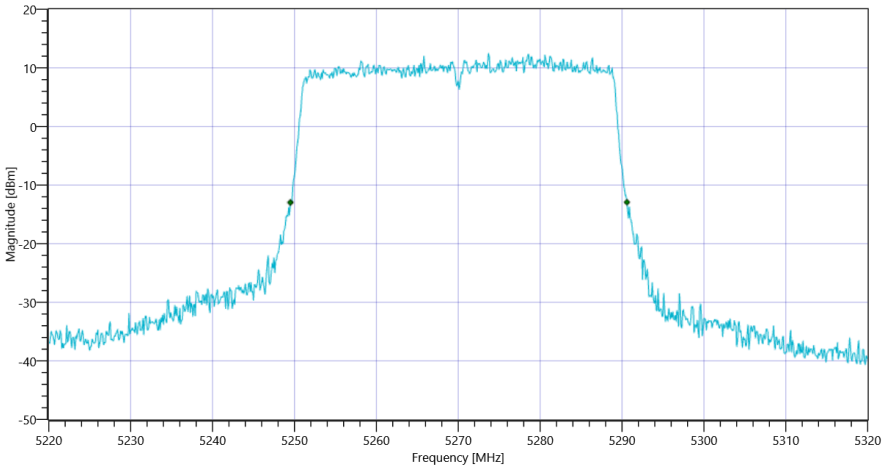
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

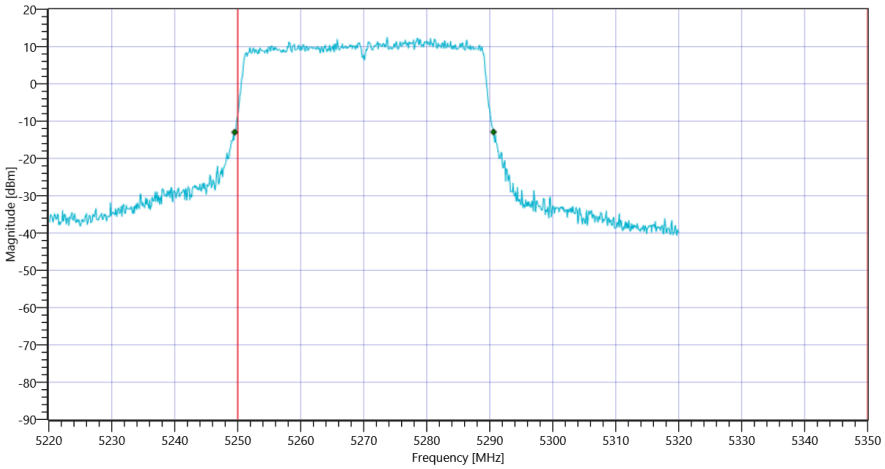
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41.1	MHz	INFO
T1 26dB	5250.000000	---	5249.5000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.6000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:11:02
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
Antenna Port used	4
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

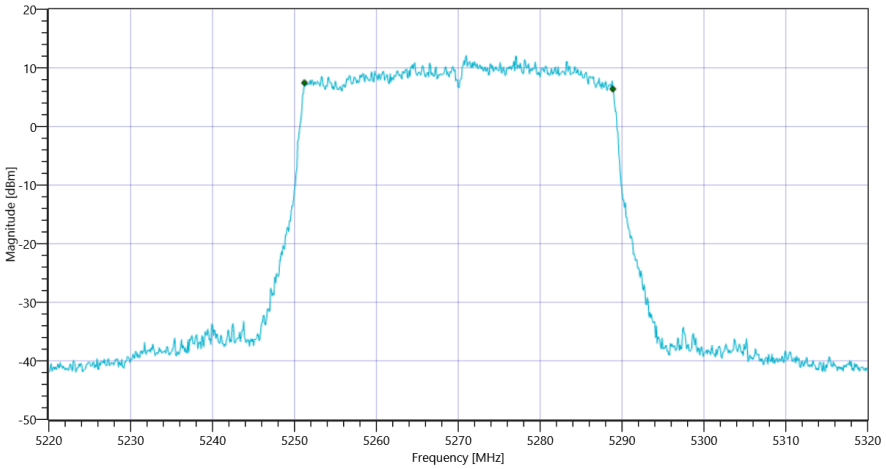
Test at TX 5270 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	12.18	dBm	INFO
Ref. Frequency	---	---	5269.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.18 | 17.85 | 20
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

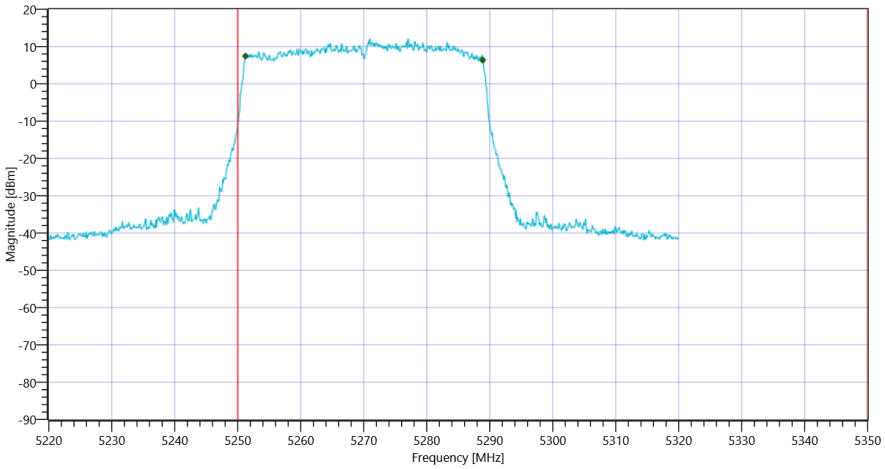
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5251.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

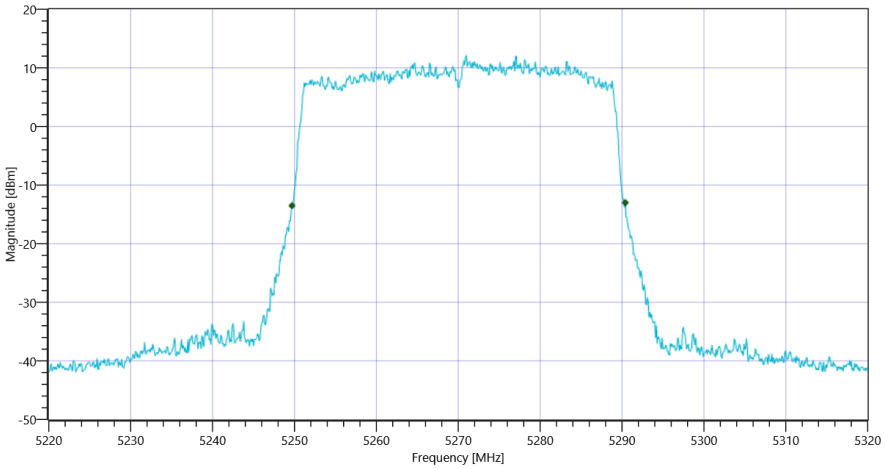
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

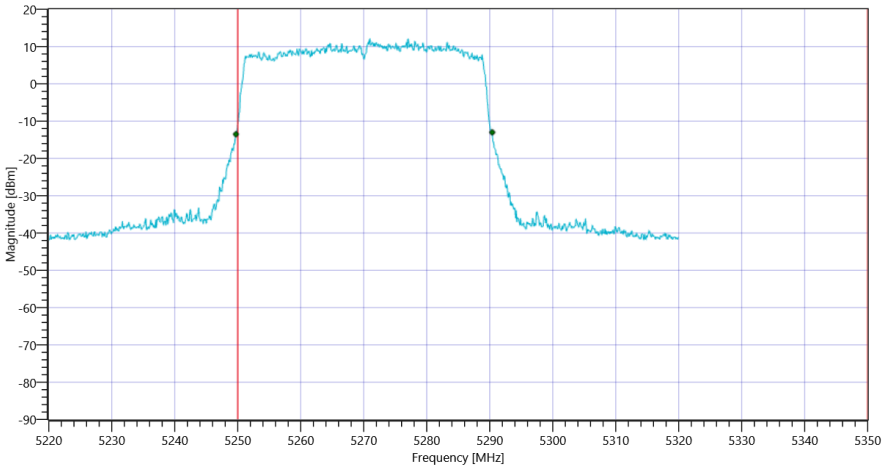
RESULT					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Bandwidth 20dB	---	---	40.7	MHz	INFO
T1 26dB	5250.000000	---	5249.7000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.4000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:15:18
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

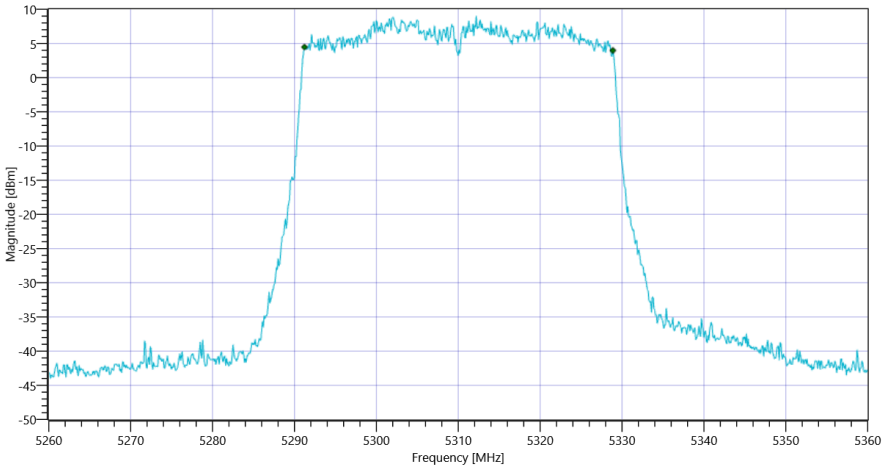
Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.96	dBm	INFO
Ref. Frequency	---	---	5321.190	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.96 | 17.5 | 20
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

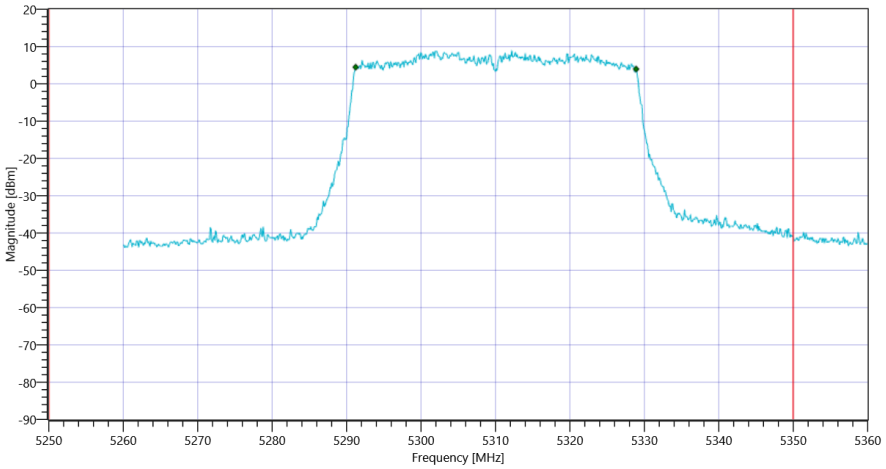
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5291.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

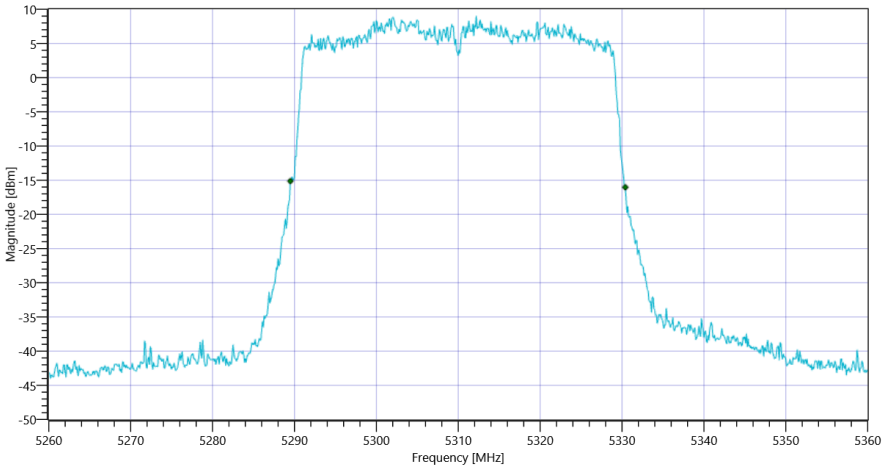
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

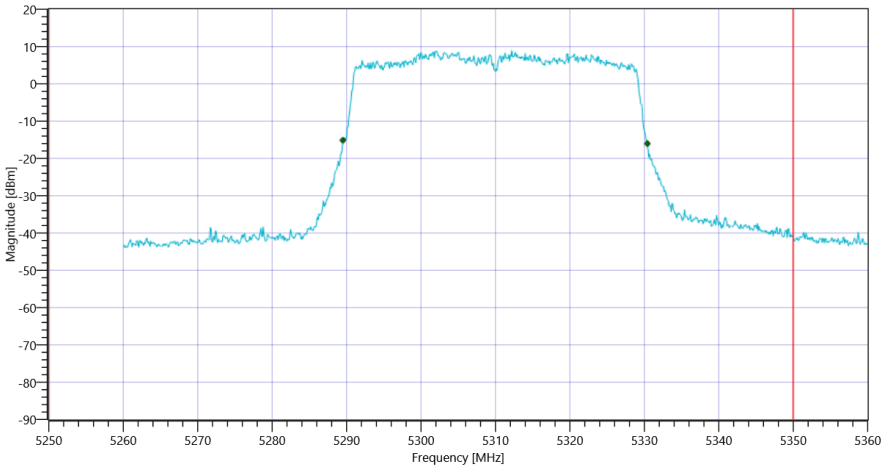
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	40.9	MHz	INFO
T1 26dB	5250.000000	---	5289.5000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.4000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:19:14
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

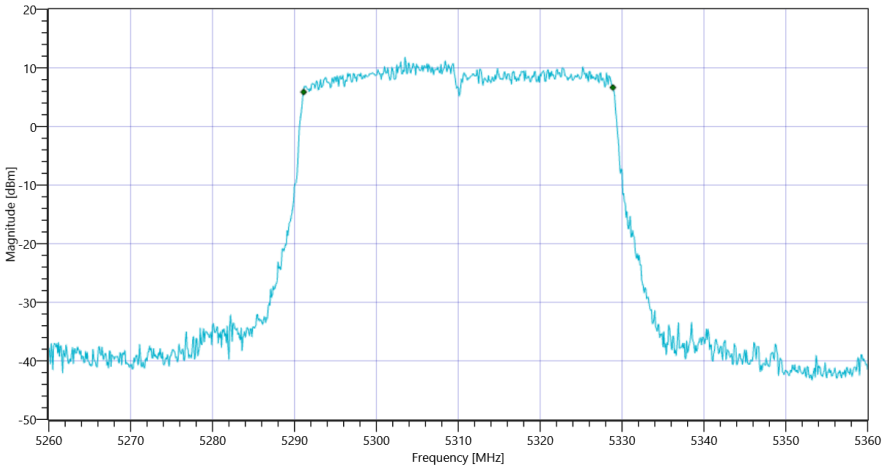
Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	12.33	dBm	INFO
Ref. Frequency	---	---	5305.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.33 | 17.5 | 20
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

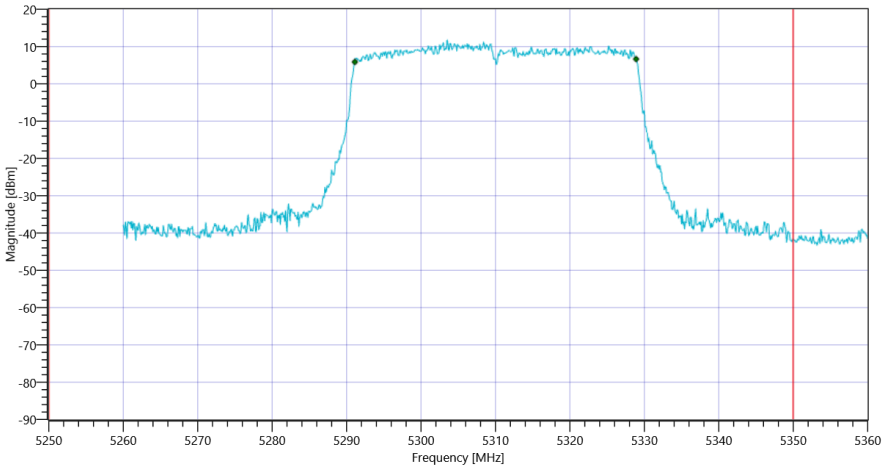
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5250.000000	---	5291.1189	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

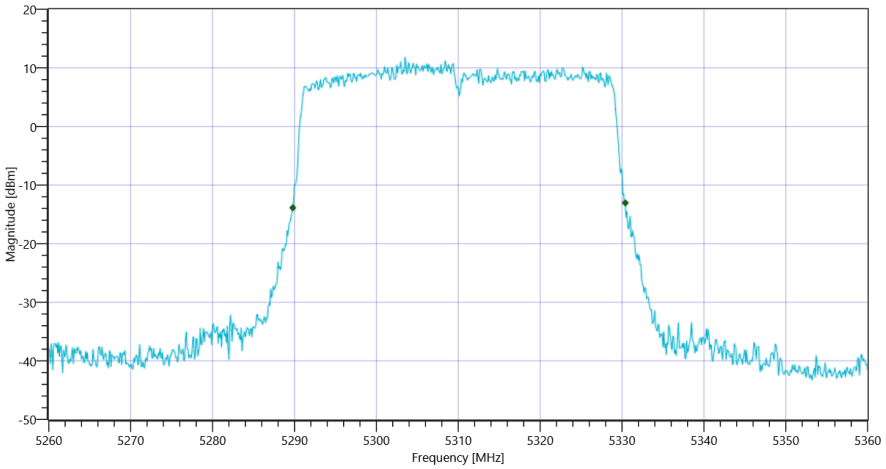
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

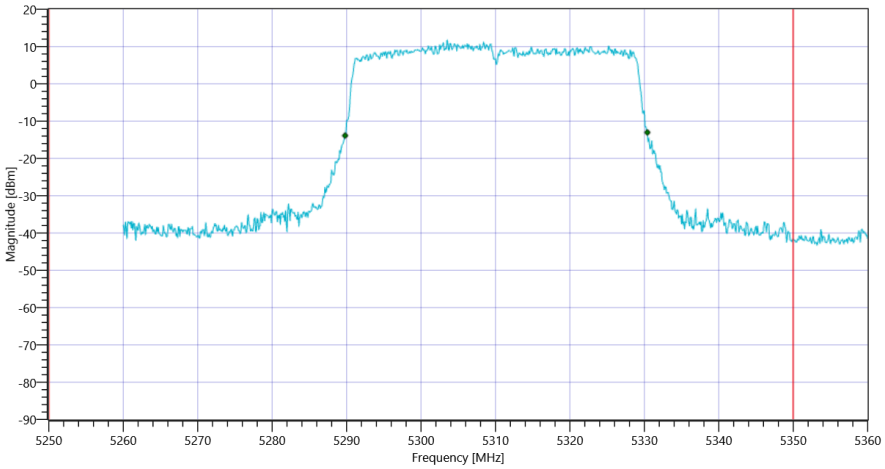
RESULT					
Test Description	**Lower Limit**	**Upper Limit**	**Measured**	**Unit**	**Verdict**
Bandwidth 20dB	---	---	40.6	MHz	INFO
T1 26dB	5250.000000	---	5289.8000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.4000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:23:11
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
Antenna Port used	3
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

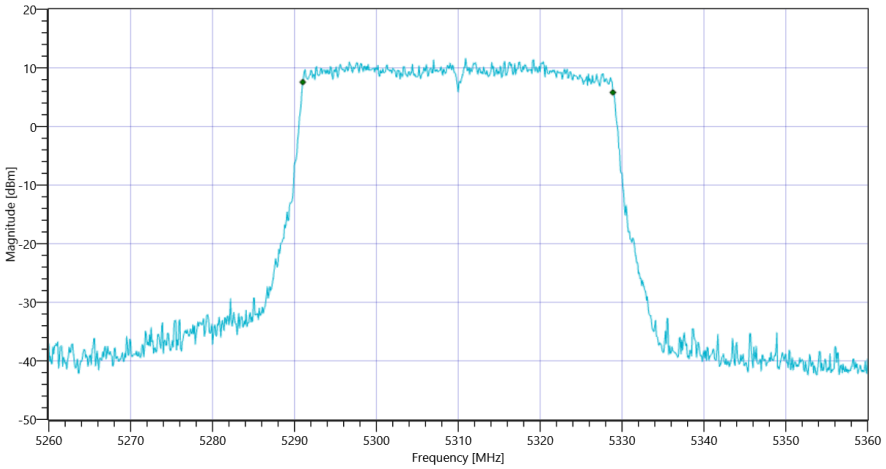
Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	12.28	dBm	INFO
Ref. Frequency	---	---	5308.200	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.28 | 17.5 | 20
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

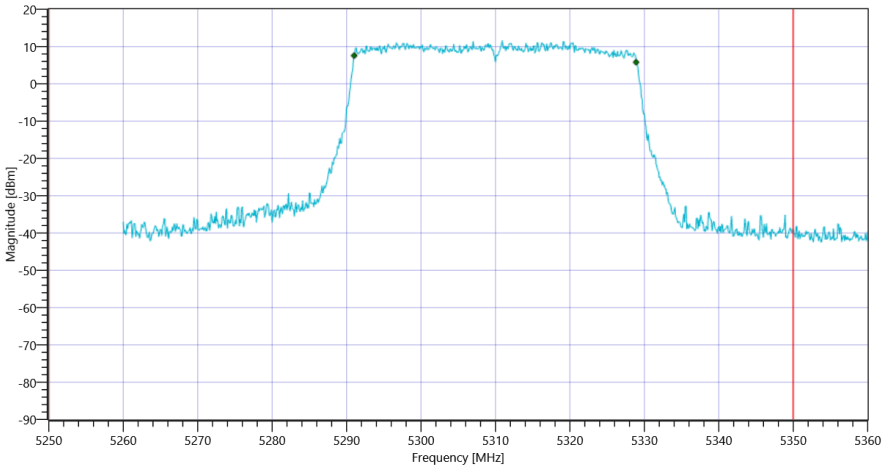
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.862	MHz	INFO
T1 99%	5250.000000	---	5291.0190	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

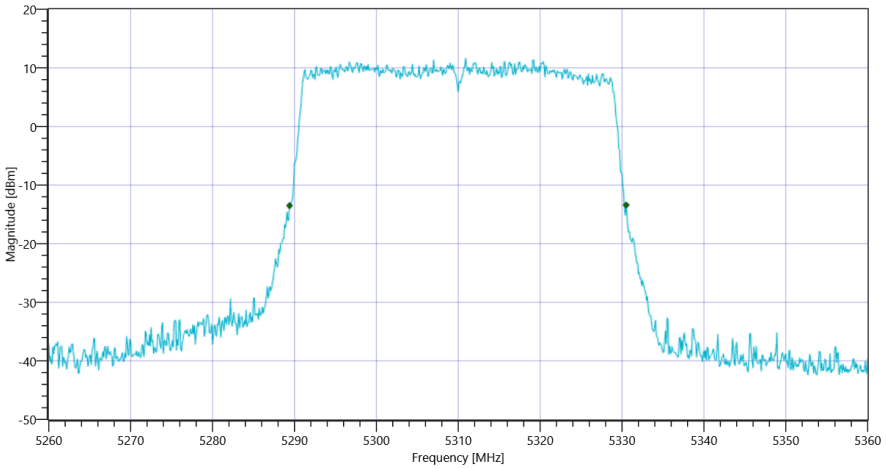
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

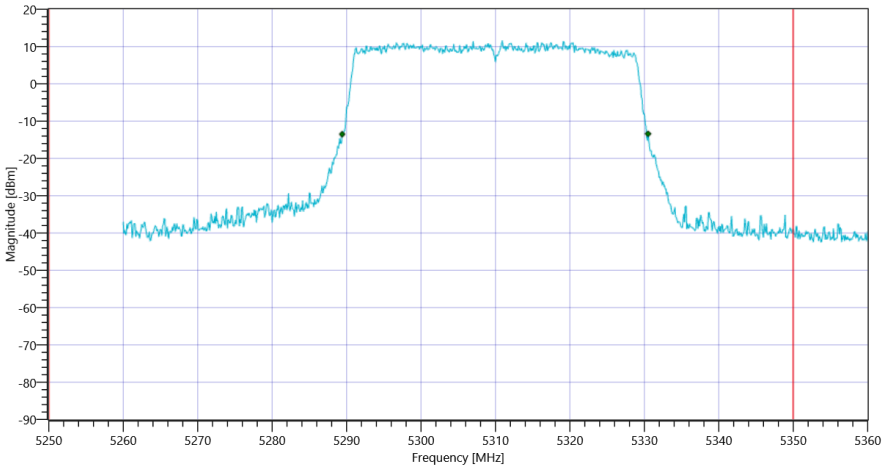
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41.1	MHz	INFO
T1 26dB	5250.000000	---	5289.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.5000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

Test References	
TC Start	30.03.2022 09:27:07
Ambit Temp [°C] | Humidity [rel%]	25.3 | 31
System Version	3.0.5.9
Test Specification	FCC Part 15.407 & ISET RSS-GEN
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-2A
Antenna Port used	4
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

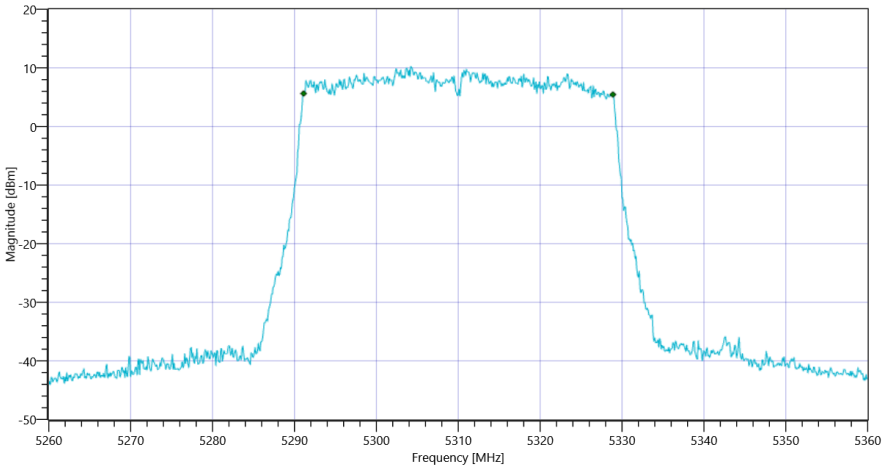
Test at TX 5310 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	11.10	dBm	INFO
Ref. Frequency	---	---	5311.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.10 | 17.5 | 20
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

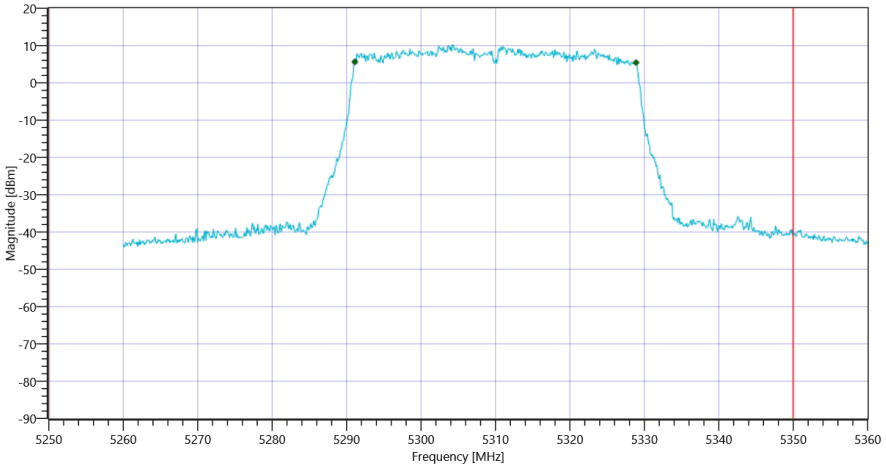
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5250.000000	---	5291.1189	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.8811	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 99PCT

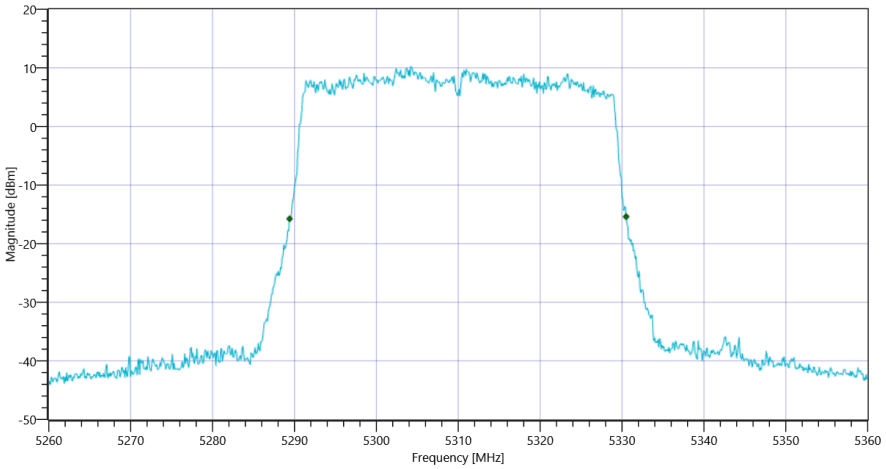
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

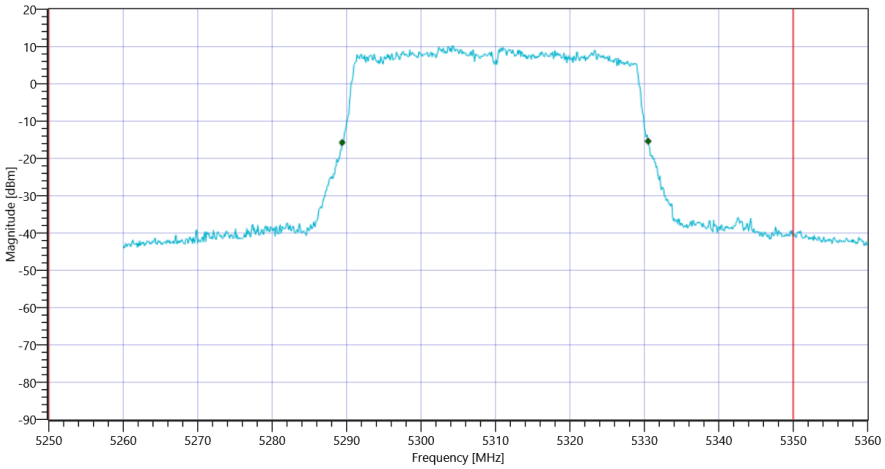
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 20dB	---	---	41.1	MHz	INFO
T1 26dB	5250.000000	---	5289.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.5000	MHz	PASS

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx ax-HE40 U-NII-2A

General verdict	PASS

FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	30.03.2022 10:58:06
Ambit Temp [°C] | Humidity [rel%]	25.3 | 32
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-3
Antenna Port used	4
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

Test at TX 5795 MHz

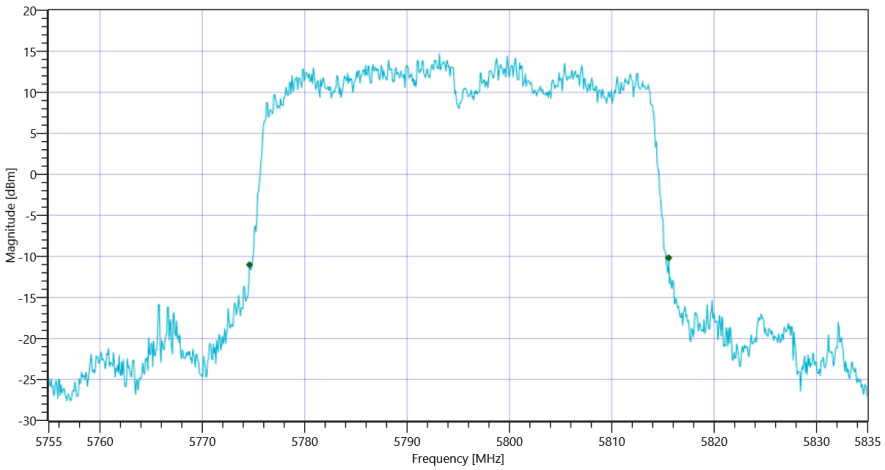
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	16.05	dBm	INFO
Ref. Frequency	---	---	5792.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.96	MHz	INFO
T1 26dB	---	---	5774.6000	MHz	INFO
T2 26dB	---	---	5815.5600	MHz	INFO



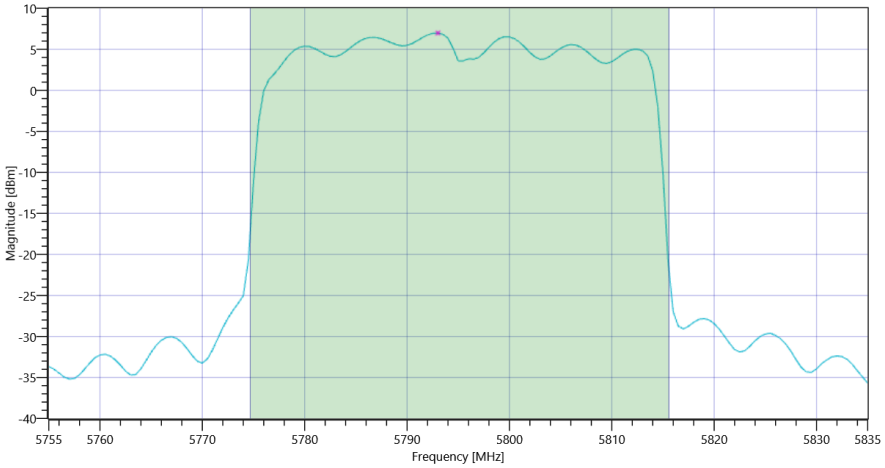
FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	28.05 | 17.85 | 25
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	---	---	20.62	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	20.62	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.12	20.62	dBm	not applicable

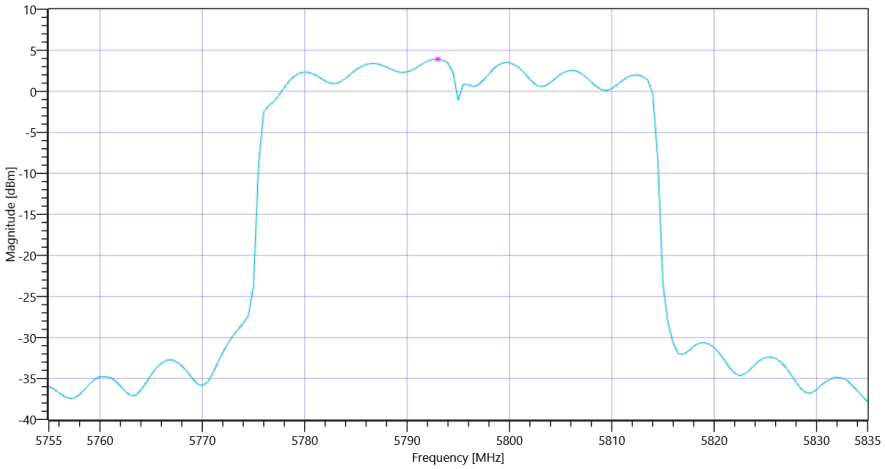


FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	28.05 | 17.85 | 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	---	---	3.93	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	3.93	dBm/0.5MHz	PASS



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3 PSD UNII-3

General verdict	PASS

FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3

Test References	
TC Start	30.03.2022 10:52:09
Ambit Temp [°C] | Humidity [rel%]	25.3 | 32
System Version	3.0.5.9
Test Specification	FCC Part 15.407
Test Method	KDB789033 D02, F., E.2.e.
TC Version	0.0.1
My Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Add. Information	

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

Test Parameter	
Technology to test	WLAN5Gx ax-HE40 U-NII-3
Antenna Port used	3
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]	0.5
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

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

Test at TX 5795 MHz

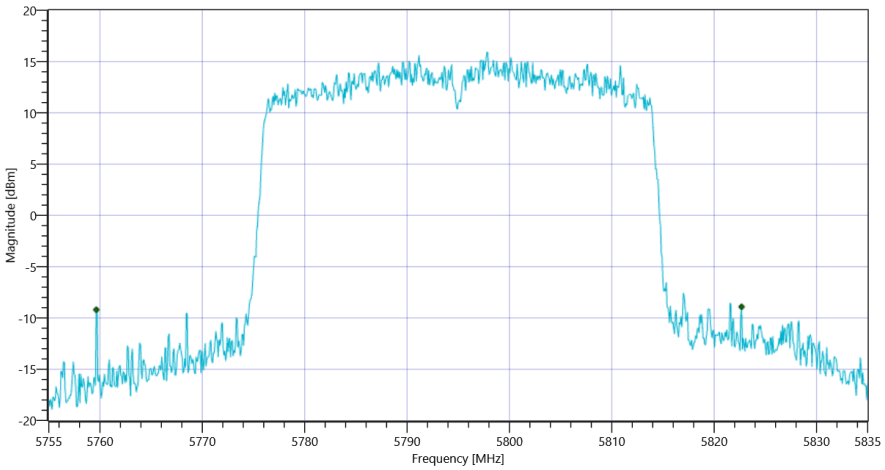
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	18.05	dBm	INFO
Ref. Frequency	---	---	5787.210	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	63.04	MHz	INFO
T1 26dB	---	---	5759.6400	MHz	INFO
T2 26dB	---	---	5822.6800	MHz	INFO



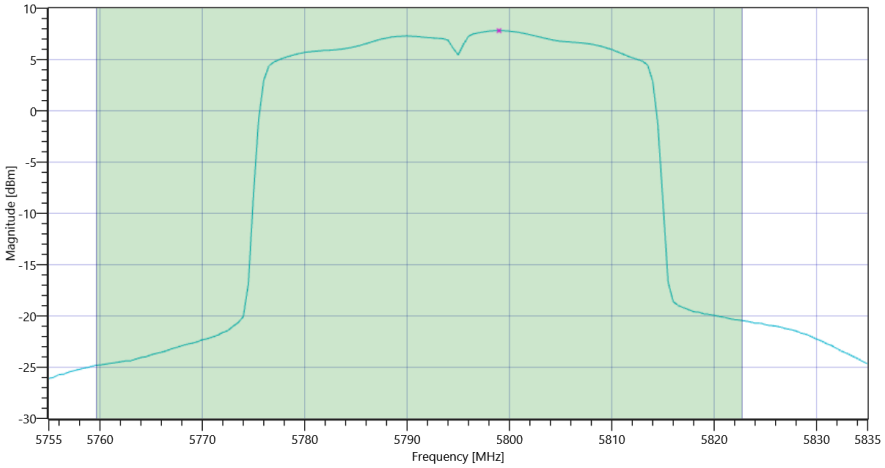
FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx ax-HE40 U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	30.05 | 17.85 | 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	---	---	22.11	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	22.11	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	29	22.11	dBm	not applicable



FCC Part 15.407 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]	30.05 | 17.85 | 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	---	---	4.8	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	4.8	dBm/0.5MHz	PASS