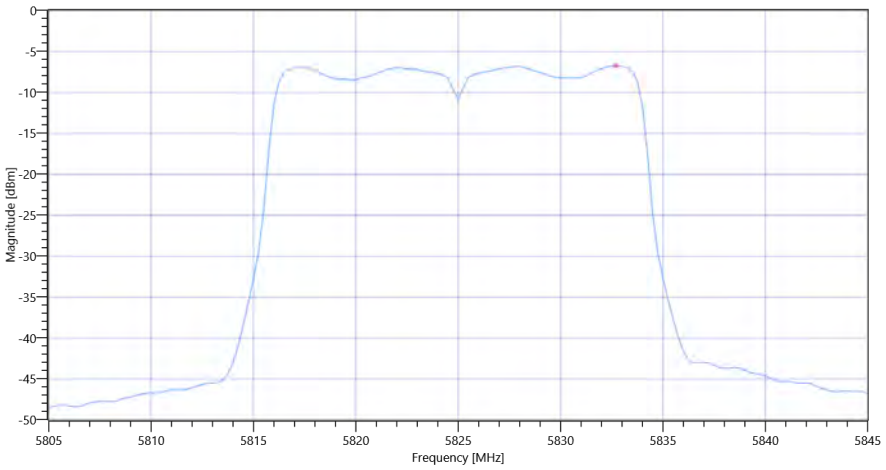
Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.96 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	-6.73	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-6.73	dBm/0.5MHz	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	15.11.2022 10:19:39
Ambit Temp [°C] | Humidity [rel%]	24.3 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

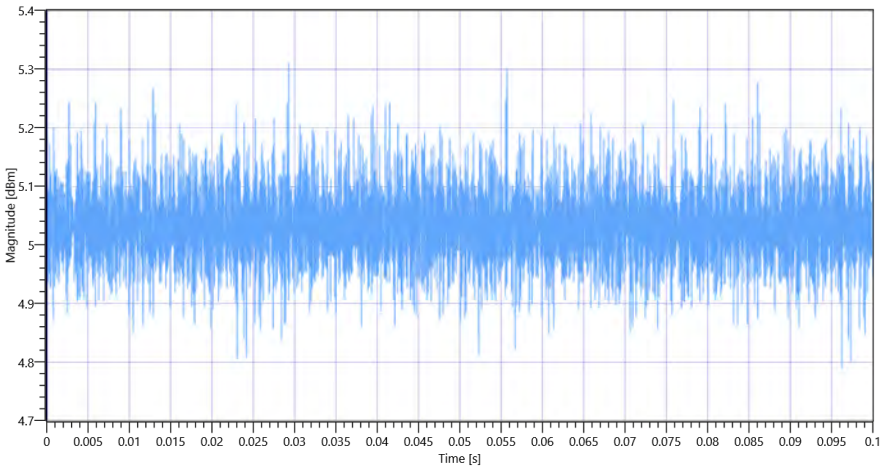
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.27	dBm	INFO
Ref. Frequency	---	---	5827.600	MHz	INFO

Evaluation max. Duty Cycle

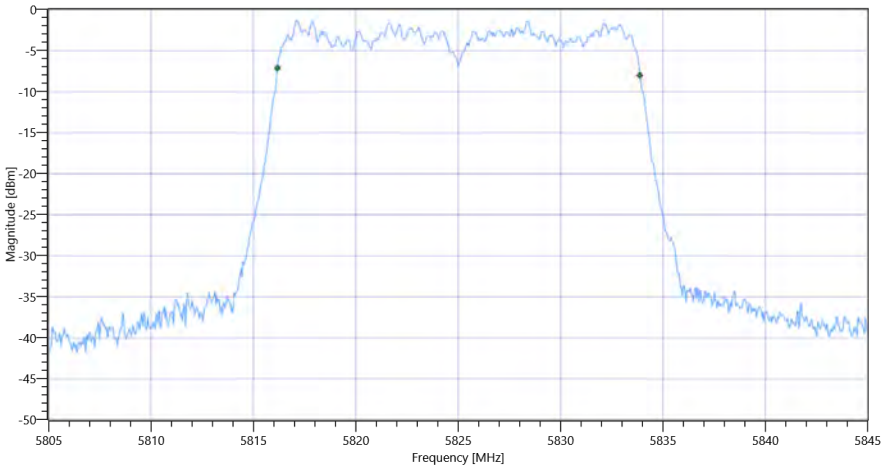
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 5825 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.702	MHz	INFO
T1 99%	---	---	5816.1688	MHz	INFO
T2 99%	---	---	5833.8711	MHz	INFO

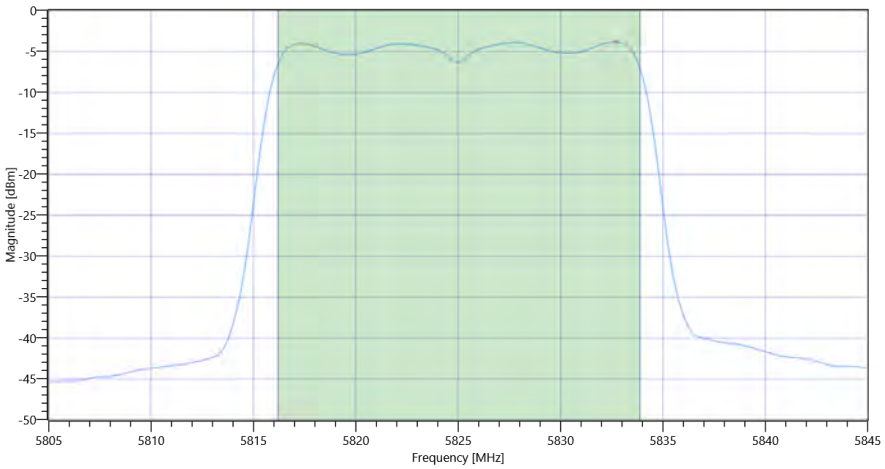


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.27 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	7.54	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	7.54	dBm	PASS
Limit: 11 dBm + 10 log 17.702					
Max Output Power DC corrected	---	23.48	7.54	dBm	na



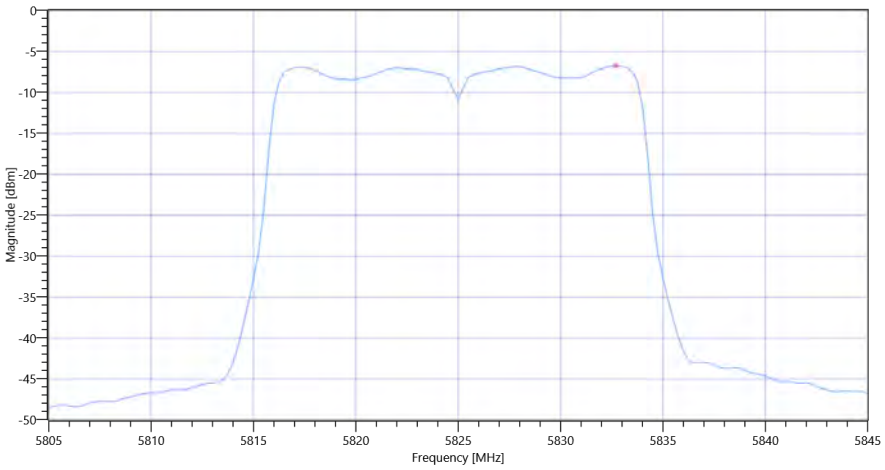
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.27 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	-6.73	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-6.73	dBm/0.5MHz	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 PSD UNII-3

General verdict	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	15.11.2022 10:22:27
Ambit Temp [°C] | Humidity [rel%]	24.3 | 43
System Version	3.3.1.8
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 n-HT20 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

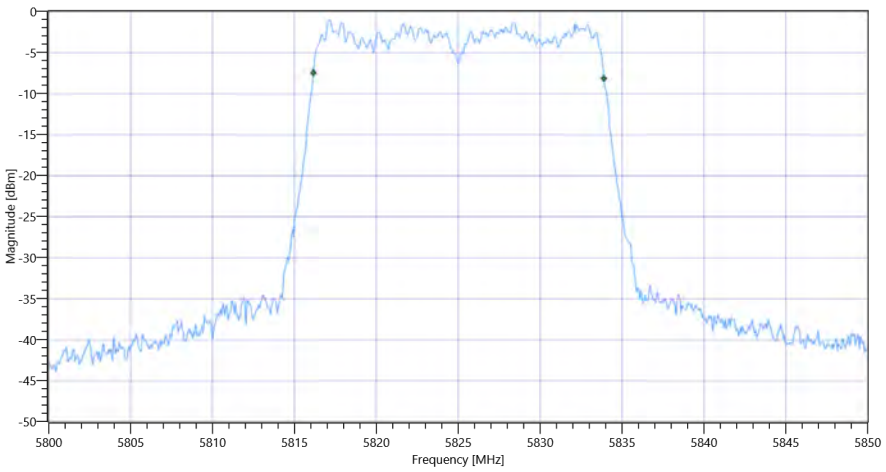
Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.94	dBm	INFO
Ref. Frequency	---	---	5827.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.94 | 3.6 | 25
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

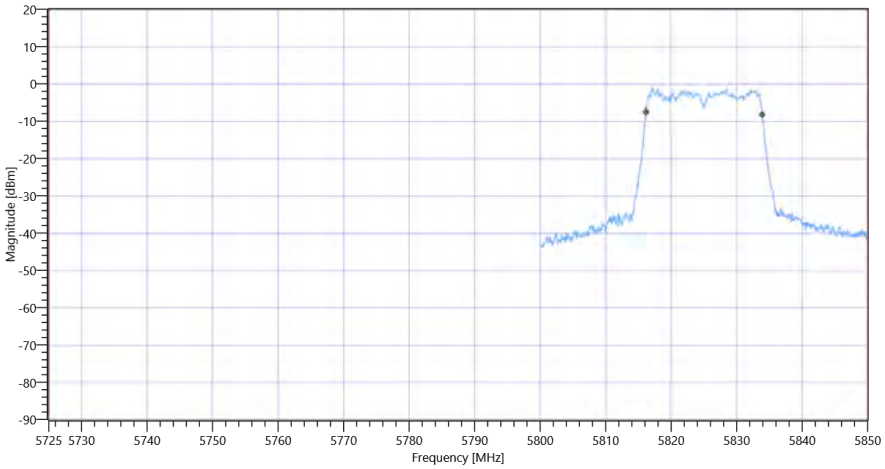
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.732	MHz	INFO
T1 99%	5725.000000	---	5816.1588	MHz	PASS
T2 99%	---	5850.000000	5833.8911	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT

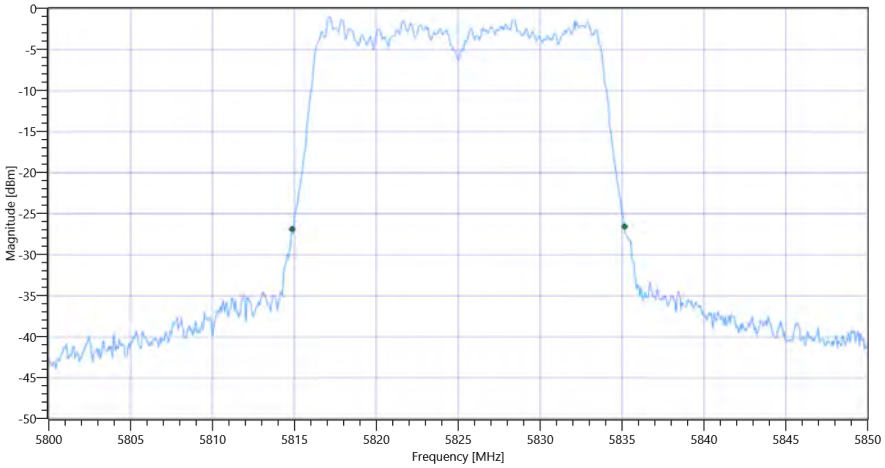
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

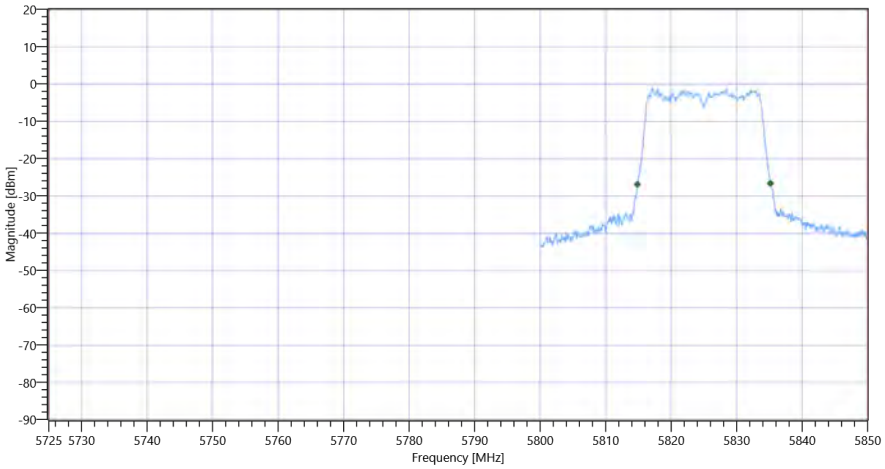
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.3	MHz	INFO
T1 26dB	5725.000000	---	5814.8500	MHz	PASS
T2 26dB	---	5850.000000	5835.1500	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict	PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	15.11.2022 10:23:28
Ambit Temp [°C] | Humidity [rel%]	24.3 | 43
System Version	3.3.1.8
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT20 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

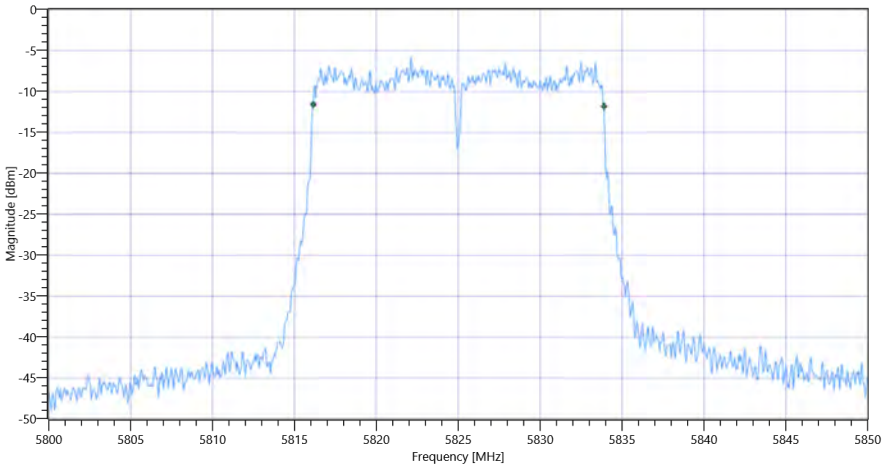
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.03	dBm	INFO
Ref. Frequency	---	---	5827.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.03 | 3.6 | 30
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	2 | 1500 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	17.75	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:05:05
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_1
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:05:06
Message	set WLAN5Gx to a_mode_U_NII_1, Frequency [MHz] 5180 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:05:18
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

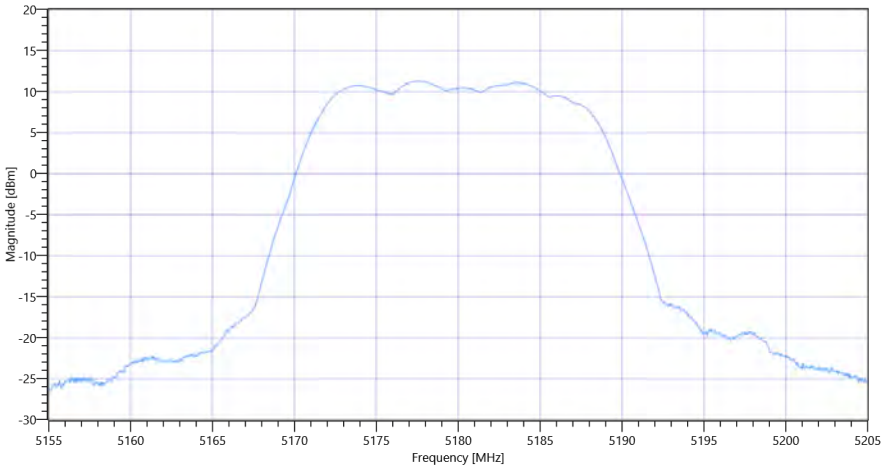
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5180 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.42	dBm	INFO
Ref. Frequency	---	---	5177.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.42 | 3.39 | 30
Start [MHz] | Stop [MHz]	5155.000 | 5205.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	11.3	dBm	INFO
Peak Power	---	---	13.489629	mW	INFO
Frequency at Peak	---	---	5177.652	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-1

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:05:48
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

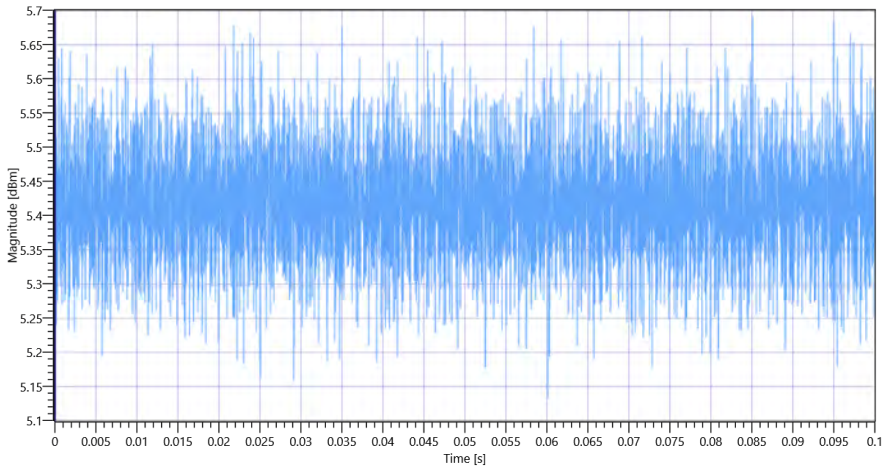
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5180 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.59	dBm	INFO
Ref. Frequency	---	---	5183.000	MHz	INFO

Evaluation max. Duty Cycle

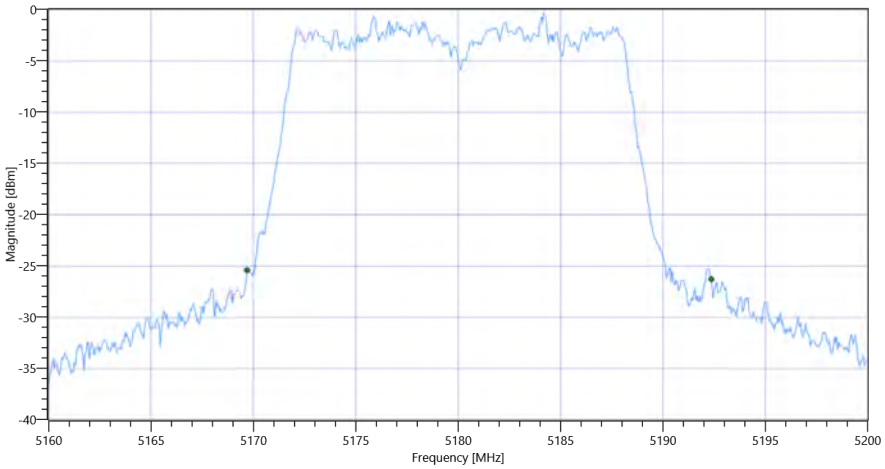
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5180 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.68	MHz	INFO
T1 26dB	---	---	5169.6800	MHz	INFO
T2 26dB	---	---	5192.3600	MHz	INFO

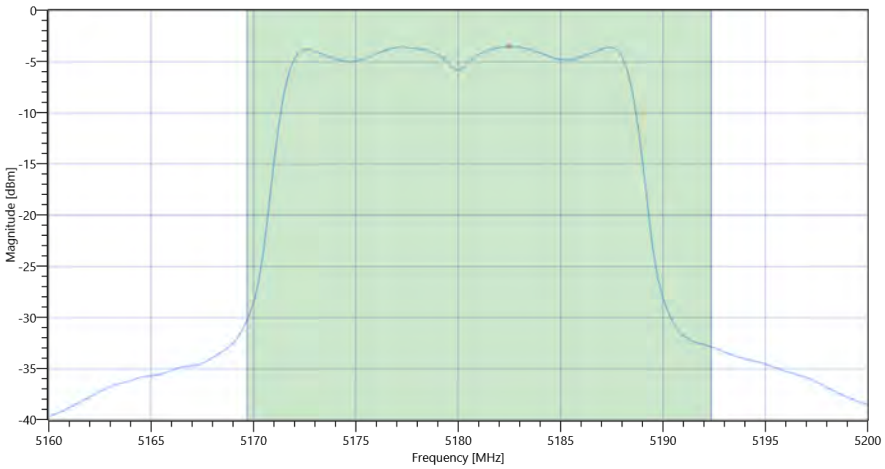


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.59 | 3.39 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
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	---	---	7.77	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.77	dBm	PASS
Limit: 11 dBm + 10 log 22.68					
Max Output Power DC corrected	---	24.56	7.77	dBm	na



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.53	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.53	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:07:35
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

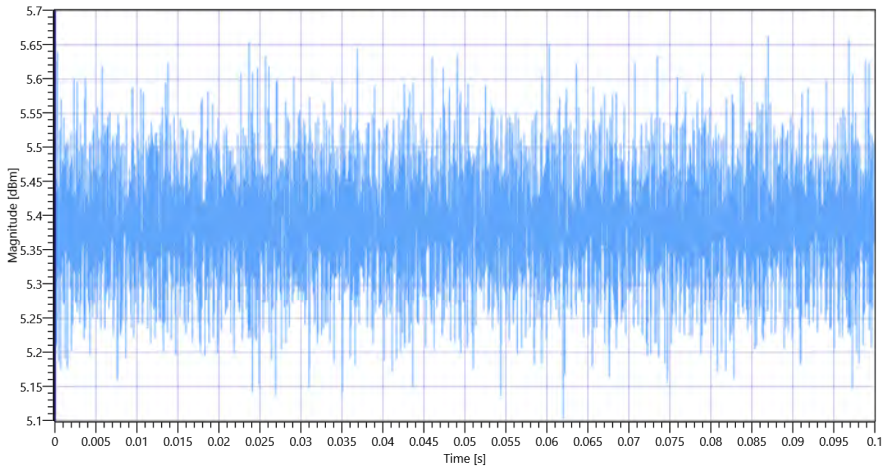
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5180 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.67	dBm	INFO
Ref. Frequency	---	---	5181.400	MHz	INFO

Evaluation max. Duty Cycle

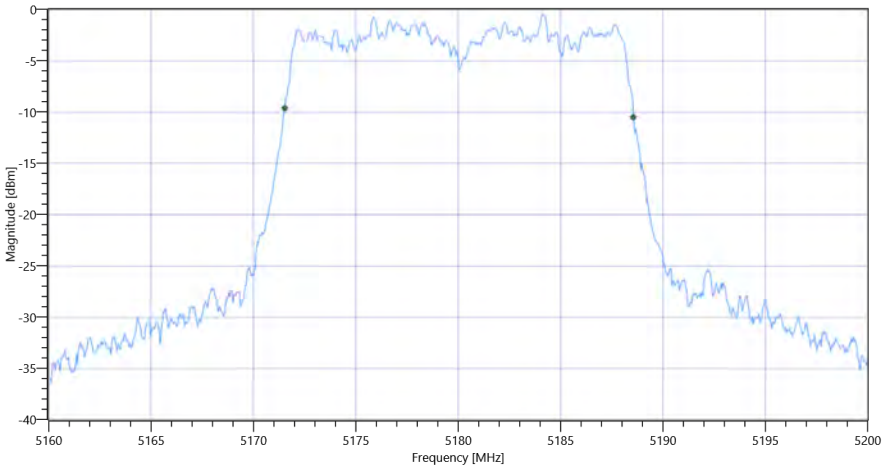
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5180 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.023	MHz	INFO
T1 99%	---	---	5171.5285	MHz	INFO
T2 99%	---	---	5188.5514	MHz	INFO

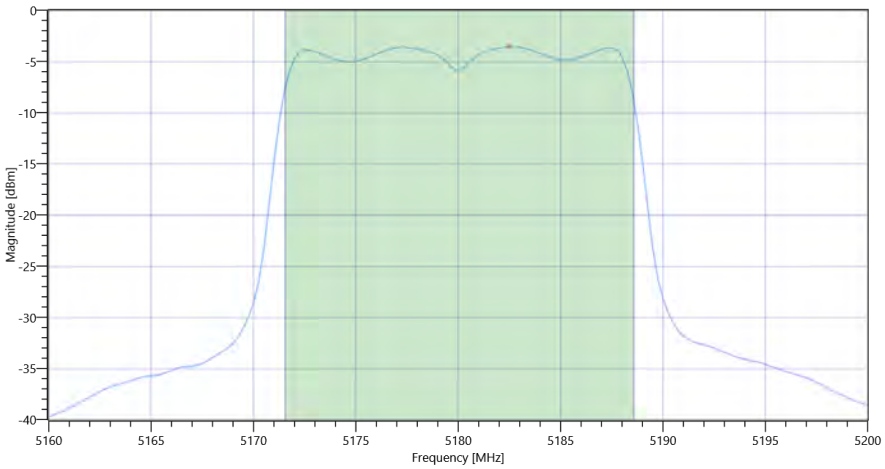


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.67 | 3.39 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
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	---	---	7.68	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.68	dBm	na
Limit: 11 dBm + 10 log 17.023					
Max Output Power DC corrected	---	23.31	7.68	dBm	na



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.55	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.55	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:09:21
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

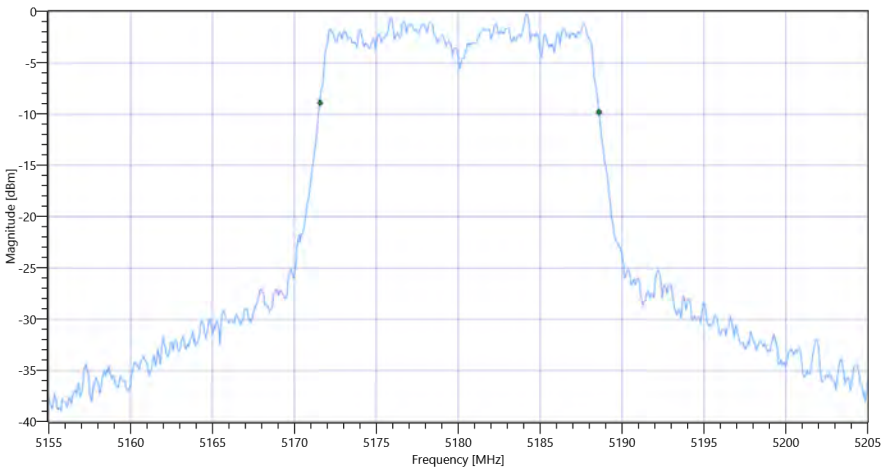
Test at TX 5180 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.18	dBm	INFO
Ref. Frequency	---	---	5183.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.18 | 3.39 | 25
Start [MHz] | Stop [MHz]	5155.000 | 5205.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

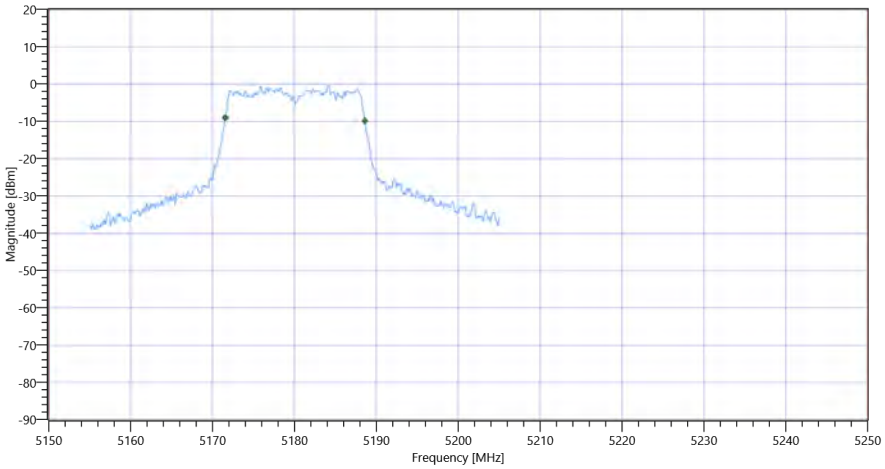
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5150.000000	---	5171.5584	MHz	PASS
T2 99%	---	5250.000000	5188.5914	MHz	PASS

Plot: Bandwidth only



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

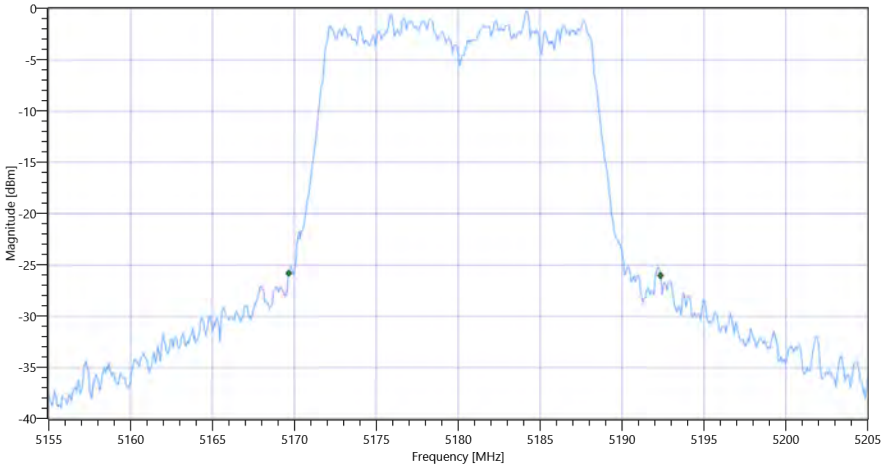
Plot: Bandwidth within Band



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

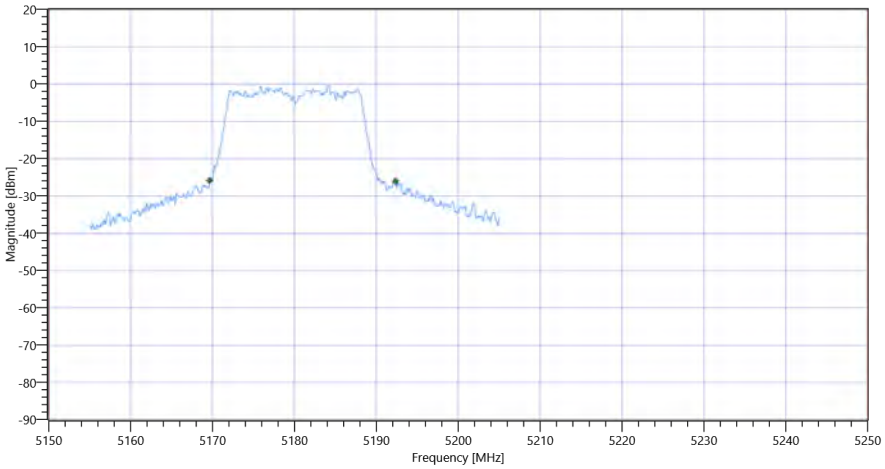
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.7	MHz	INFO
T1 26dB	5150.000000	---	5169.6500	MHz	PASS
T2 26dB	---	5250.000000	5192.3500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:10:19
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_1
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:10:20
Message	set WLAN5Gx to a_mode_U_NII_1, Frequency [MHz] 5200 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:12:13
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

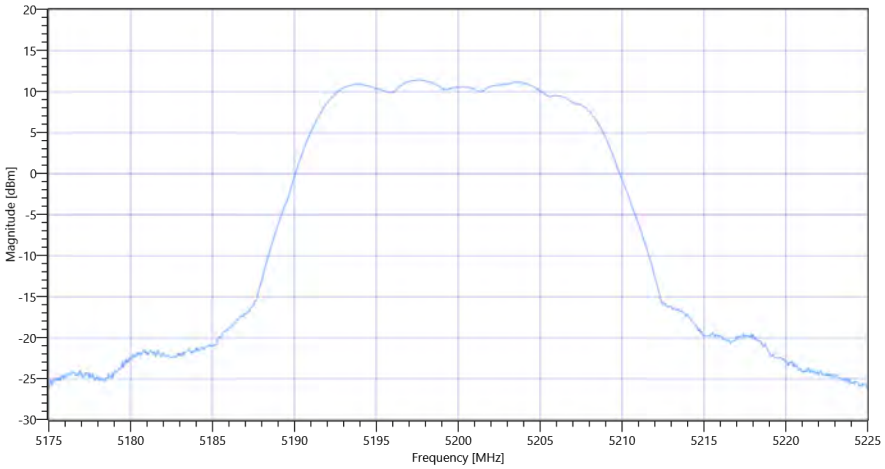
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5200 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.99	dBm	INFO
Ref. Frequency	---	---	5202.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.99 | 3.4 | 30
Start [MHz] | Stop [MHz]	5175.000 | 5225.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	11.44	dBm	INFO
Peak Power	---	---	13.931568	mW	INFO
Frequency at Peak	---	---	5197.652	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-1

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:12:43
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

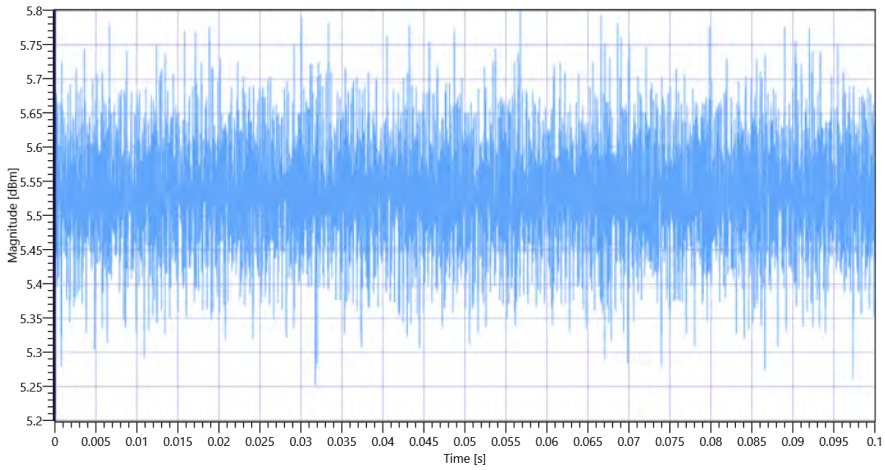
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5200 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.91	dBm	INFO
Ref. Frequency	---	---	5195.800	MHz	INFO

Evaluation max. Duty Cycle

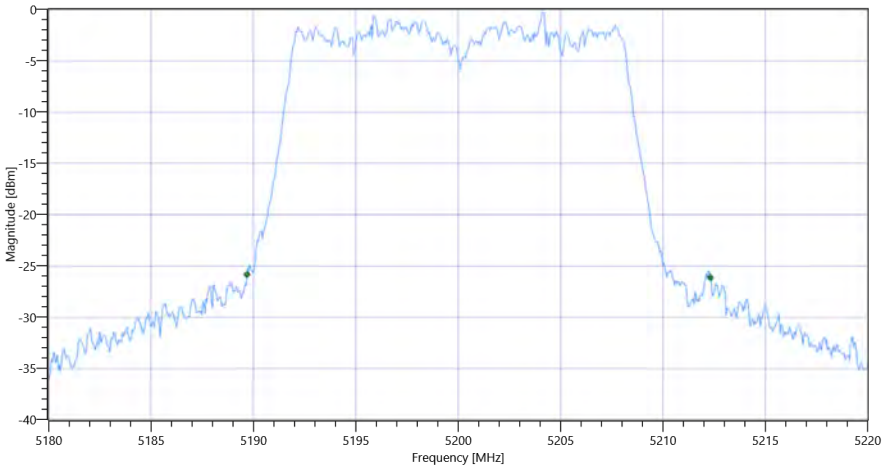
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5200 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.64	MHz	INFO
T1 26dB	---	---	5189.6800	MHz	INFO
T2 26dB	---	---	5212.3200	MHz	INFO

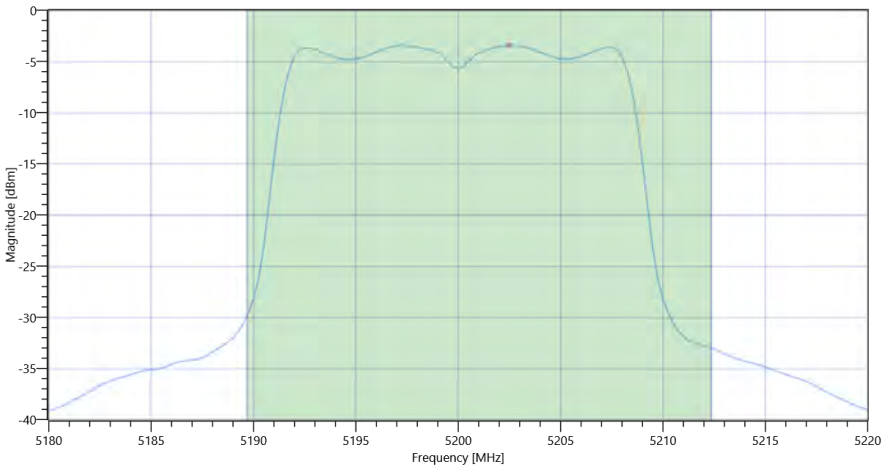


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.91 | 3.4 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
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	---	---	7.89	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.89	dBm	PASS
Limit: 11 dBm + 10 log 22.64					
Max Output Power DC corrected	---	24.55	7.89	dBm	na



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.41	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.41	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:14:25
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

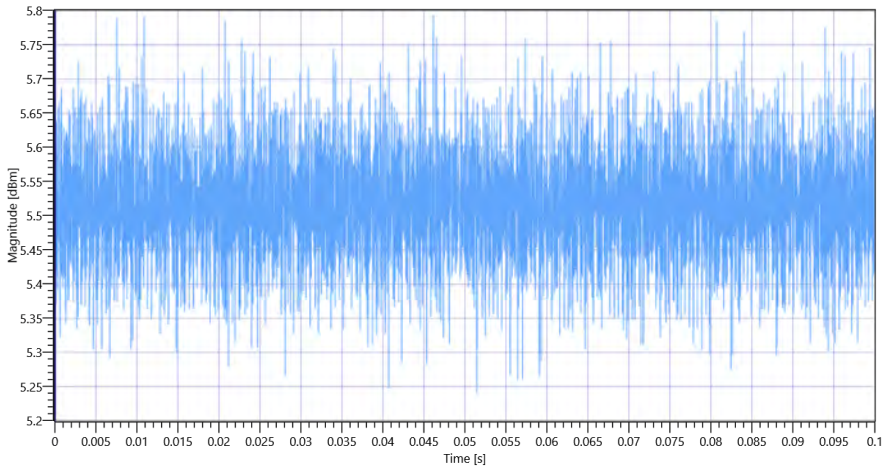
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5200 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.65	dBm	INFO
Ref. Frequency	---	---	5201.800	MHz	INFO

Evaluation max. Duty Cycle

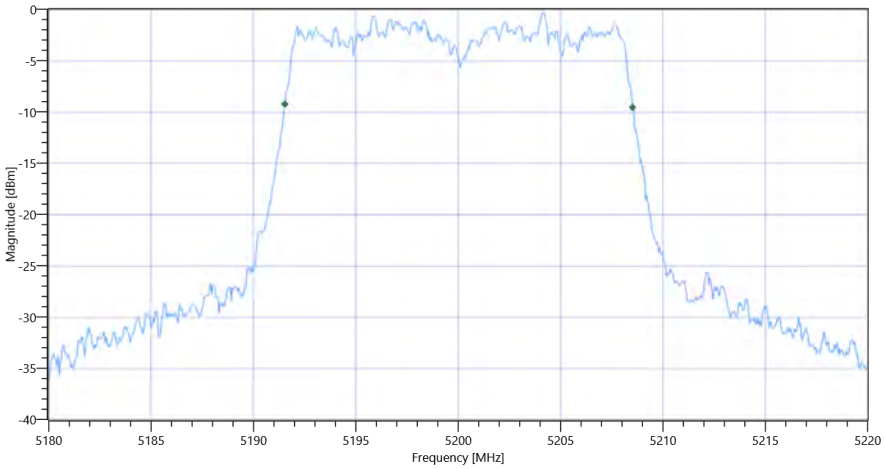
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5200 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.983	MHz	INFO
T1 99%	---	---	5191.5285	MHz	INFO
T2 99%	---	---	5208.5115	MHz	INFO

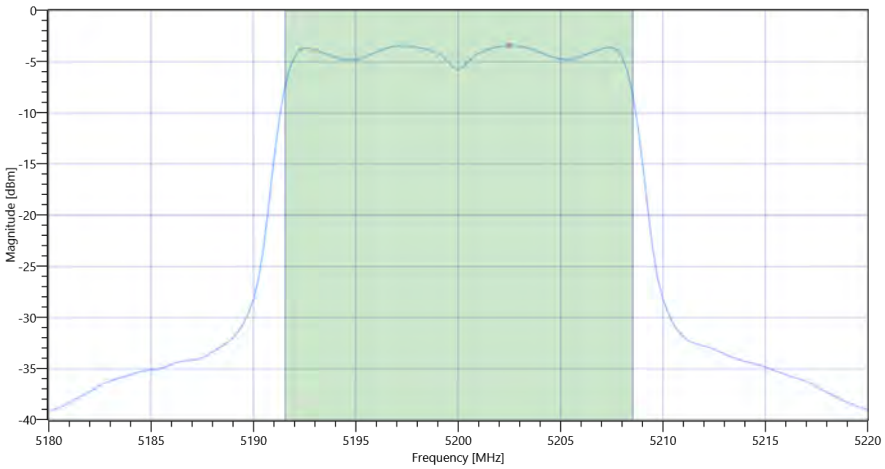


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.65 | 3.4 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
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	---	---	7.81	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.81	dBm	na
Limit: 11 dBm + 10 log 16.983					
Max Output Power DC corrected	---	23.3	7.81	dBm	na



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.43	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.43	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:16:08
Ambit Temp [°C] | Humidity [rel%]	24.4 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

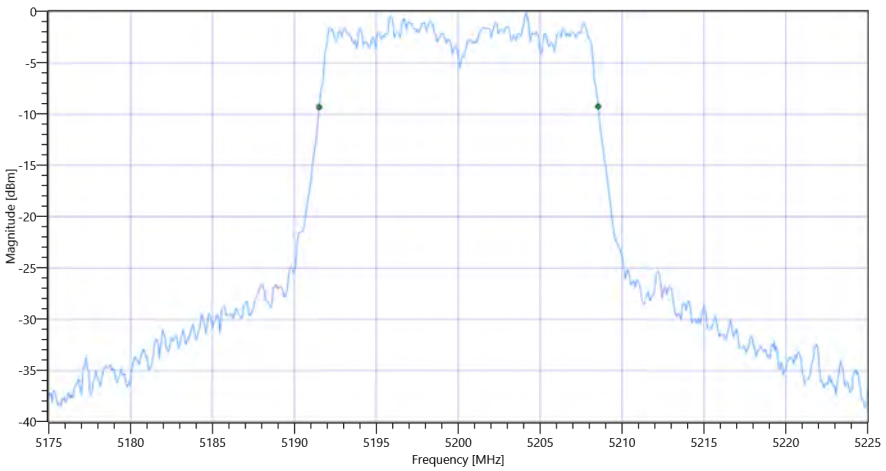
Test at TX 5200 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.88	dBm	INFO
Ref. Frequency	---	---	5202.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.88 | 3.4 | 25
Start [MHz] | Stop [MHz]	5175.000 | 5225.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

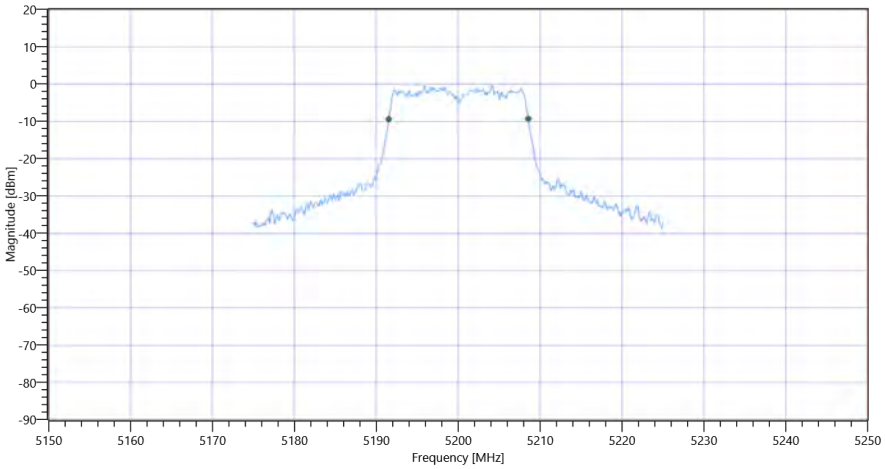
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5150.000000	---	5191.5085	MHz	PASS
T2 99%	---	5250.000000	5208.5415	MHz	PASS

Plot: Bandwidth only



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

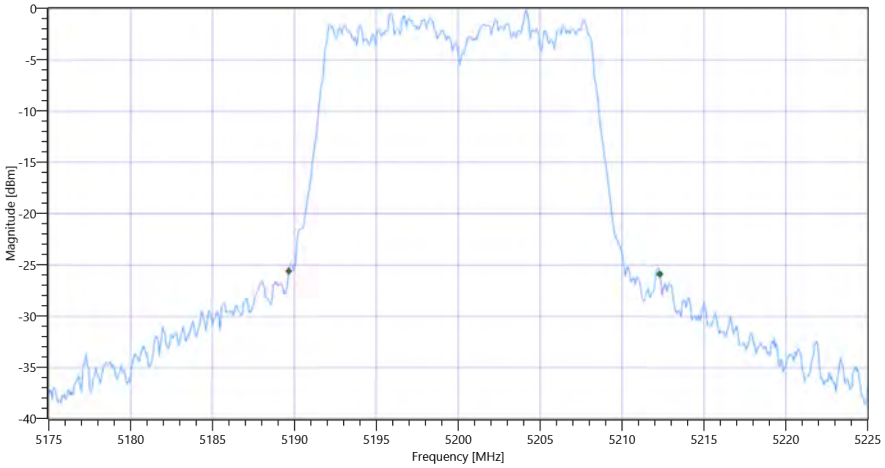
Plot: Bandwidth within Band



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

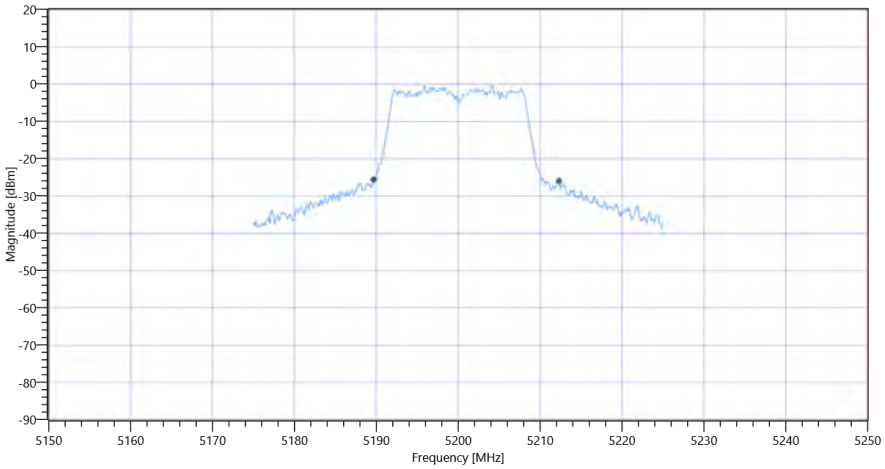
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.65	MHz	INFO
T1 26dB	5150.000000	---	5189.6500	MHz	PASS
T2 26dB	---	5250.000000	5212.3000	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:17:07
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_1
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:17:08
Message	set WLAN5Gx to a_mode_U_NII_1, Frequency [MHz] 5240

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:23:09
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

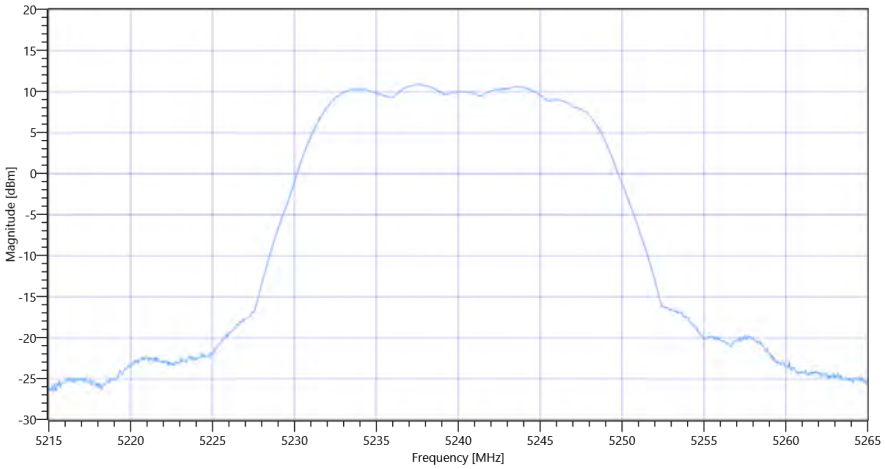
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5240 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.35	dBm	INFO
Ref. Frequency	---	---	5242.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.35 | 3.41 | 30
Start [MHz] | Stop [MHz]	5215.000 | 5265.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	10.86	dBm	INFO
Peak Power	---	---	12.189896	mW	INFO
Frequency at Peak	---	---	5237.602	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-1

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:23:39
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

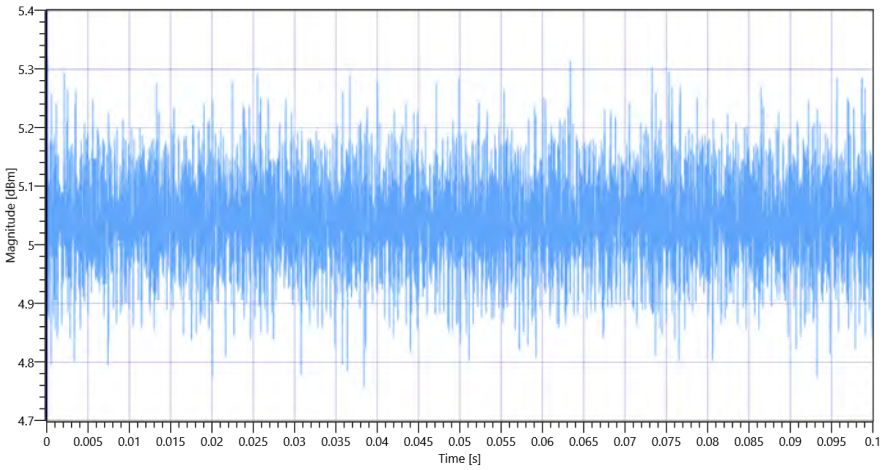
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5240 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.46	dBm	INFO
Ref. Frequency	---	---	5235.800	MHz	INFO

Evaluation max. Duty Cycle

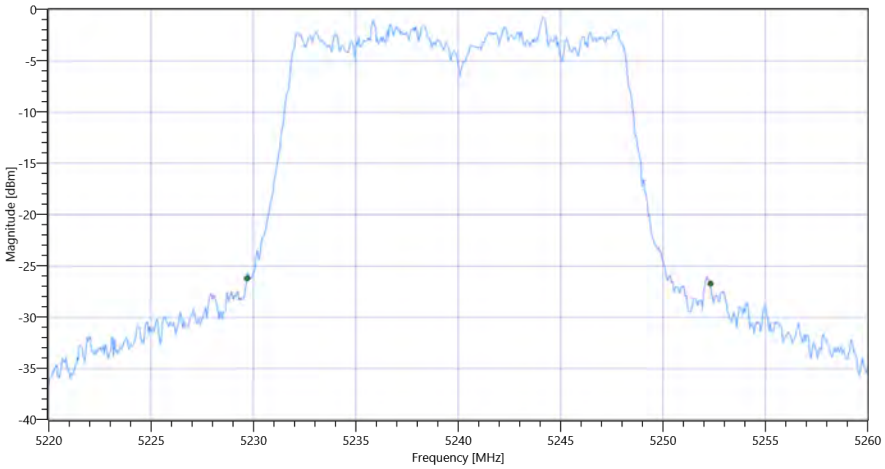
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5240 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.64	MHz	INFO
T1 26dB	---	---	5229.6800	MHz	INFO
T2 26dB	---	---	5252.3200	MHz	INFO

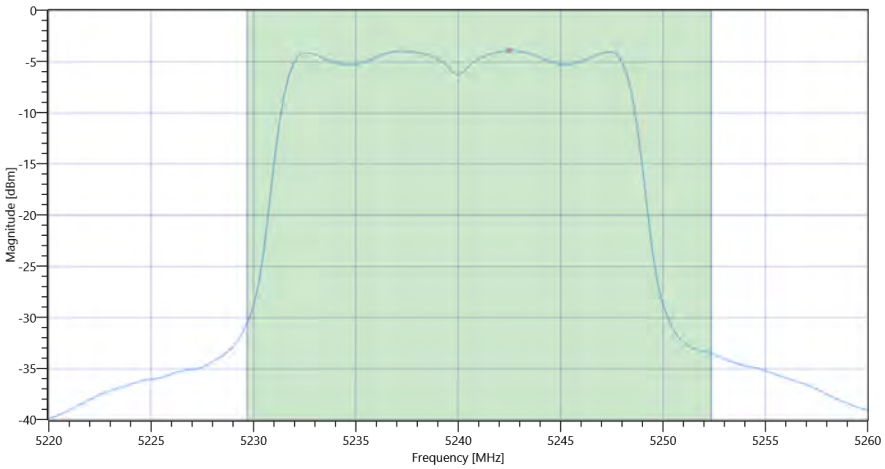


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.46 | 3.41 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
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	---	---	7.39	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.39	dBm	PASS
Limit: 11 dBm + 10 log 22.64					
Max Output Power DC corrected	---	24.55	7.39	dBm	na



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.93	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.93	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

Test References	
TC Start	15.11.2022 11:25:22
Ambit Temp [°C] | Humidity [rel%]	24.6 | 44
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

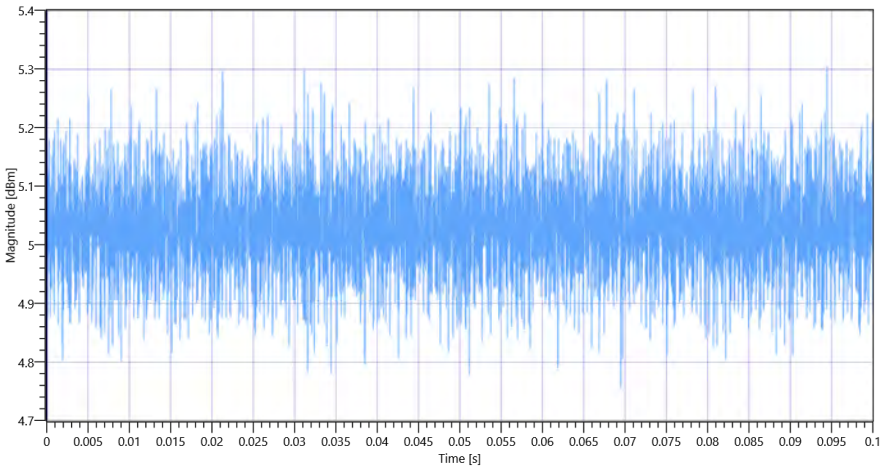
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5240 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.30	dBm	INFO
Ref. Frequency	---	---	5242.400	MHz	INFO

Evaluation max. Duty Cycle

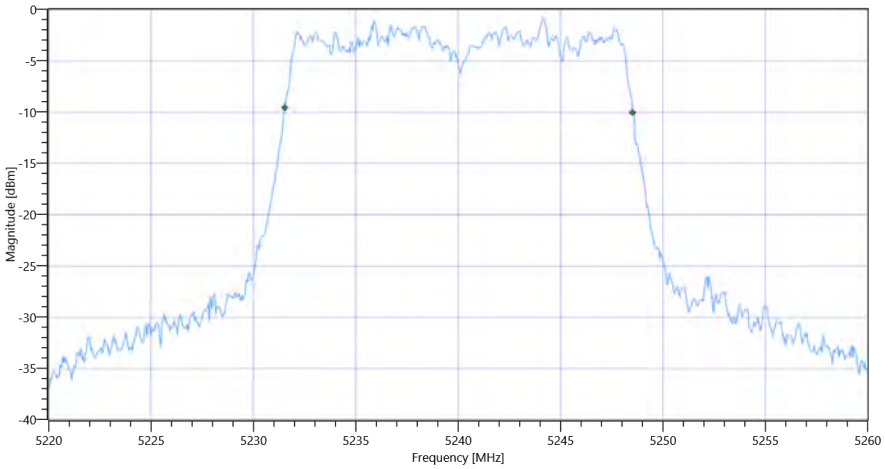
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 5240 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.983	MHz	INFO
T1 99%	---	---	5231.5285	MHz	INFO
T2 99%	---	---	5248.5115	MHz	INFO

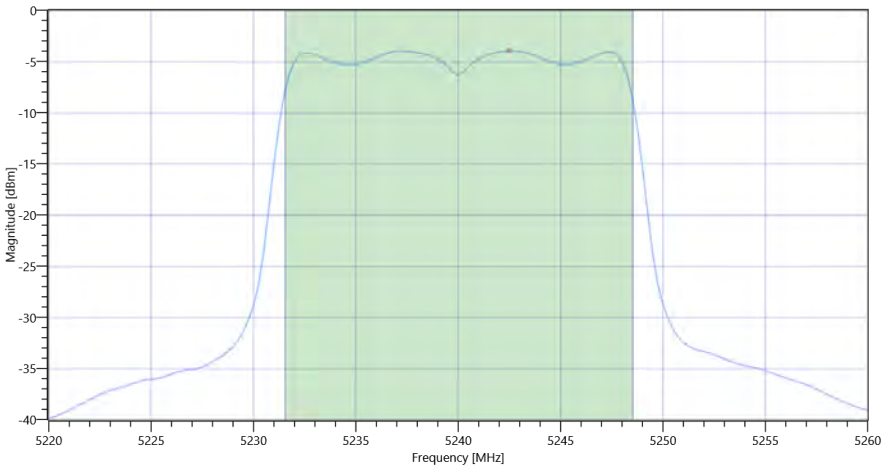


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.30 | 3.41 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
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	---	---	7.31	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.31	dBm	na
Limit: 11 dBm + 10 log 16.983					
Max Output Power DC corrected	---	23.3	7.31	dBm	na



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.94	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.94	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:27:05
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
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 a mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

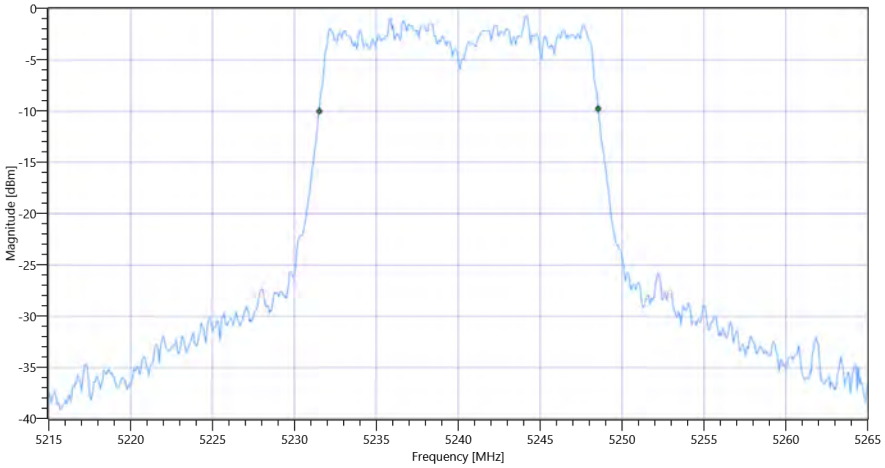
Test at TX 5240 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.26	dBm	INFO
Ref. Frequency	---	---	5241.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.26 | 3.41 | 25
Start [MHz] | Stop [MHz]	5215.000 | 5265.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

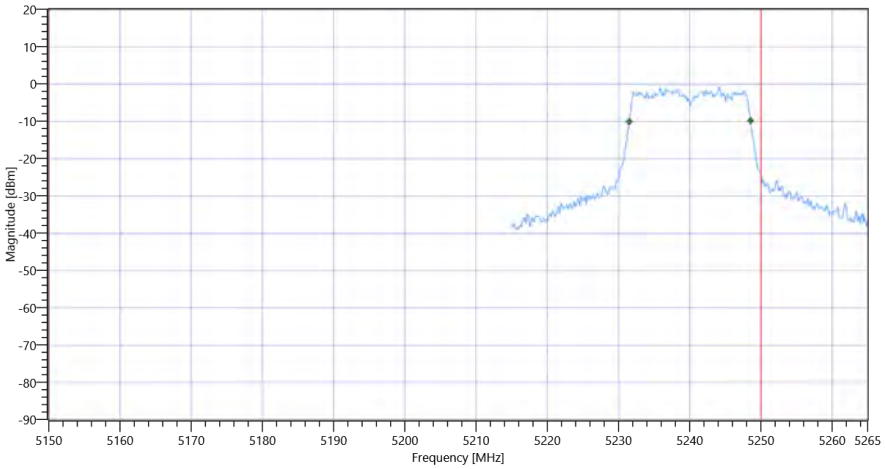
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5150.000000	---	5231.5085	MHz	PASS
T2 99%	---	5250.000000	5248.5415	MHz	PASS

Plot: Bandwidth only



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

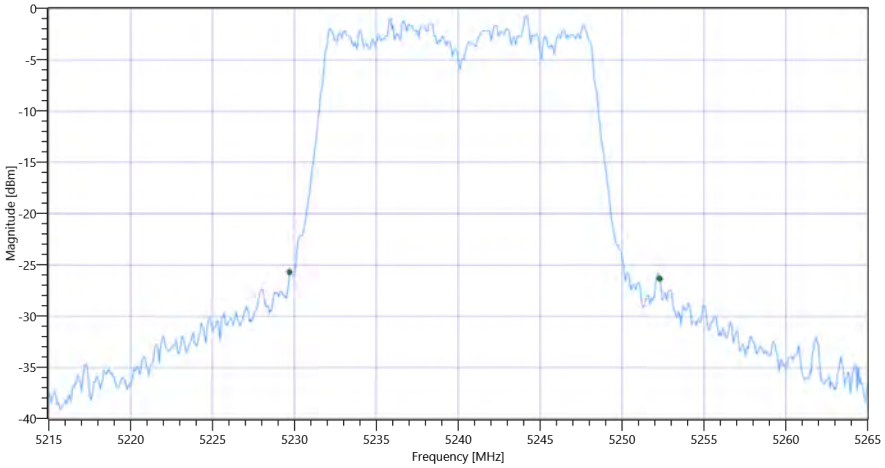
Plot: Bandwidth within Band



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

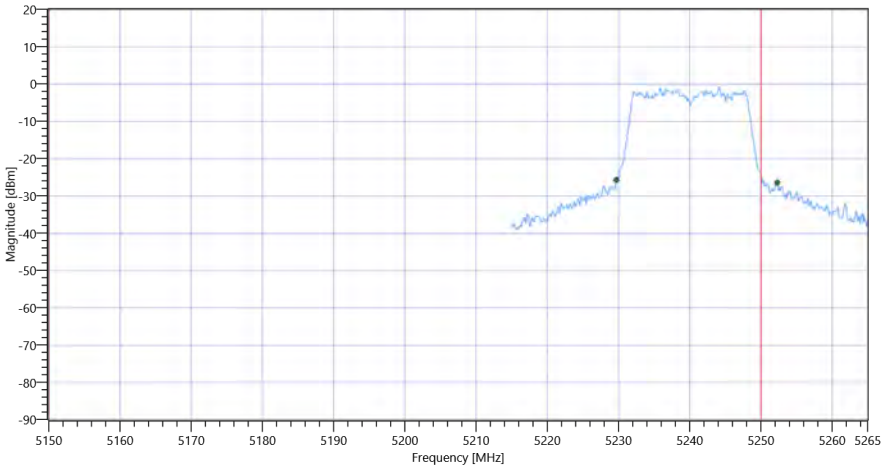
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.6	MHz	INFO
T1 26dB	5150.000000	---	5229.7000	MHz	PASS
T2 26dB	---	5250.000000	5252.3000	MHz	DFS required

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:27:56
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2A
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:27:57
Message	set WLAN5Gx to a_mode_U_NII_2A, Frequency [MHz] 5260 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:31:15
Ambit Temp [°C] | Humidity [rel%]	24.5 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

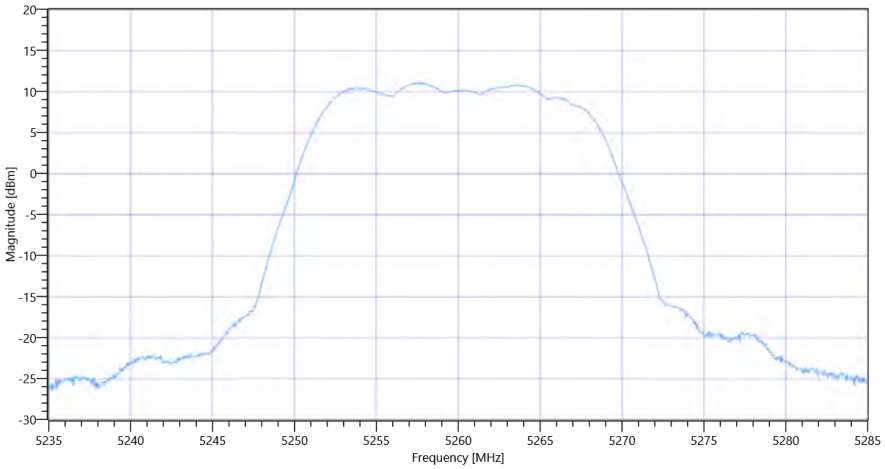
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5260 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.45	dBm	INFO
Ref. Frequency	---	---	5261.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.45 | 3.41 | 30
Start [MHz] | Stop [MHz]	5235.000 | 5285.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	11.02	dBm	INFO
Peak Power	---	---	12.647363	mW	INFO
Frequency at Peak	---	---	5257.602	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2A

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:31:46
Ambit Temp [°C] | Humidity [rel%]	24.6 | 44
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

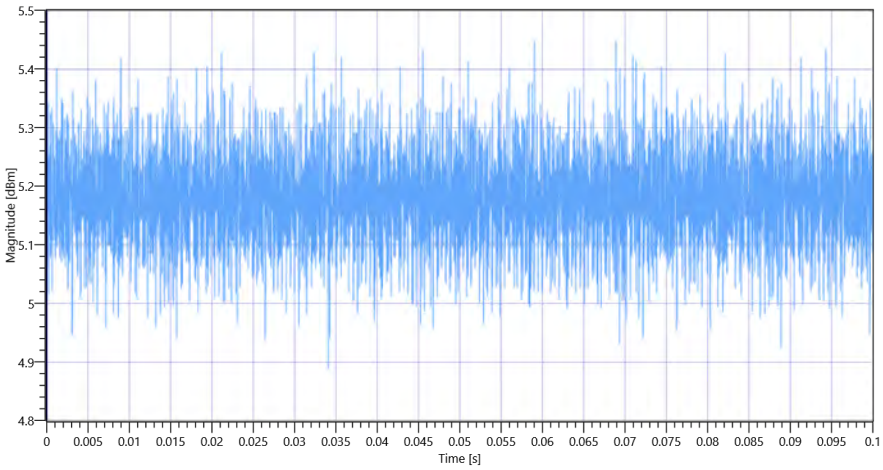
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5260 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.66	dBm	INFO
Ref. Frequency	---	---	5263.000	MHz	INFO

Evaluation max. Duty Cycle

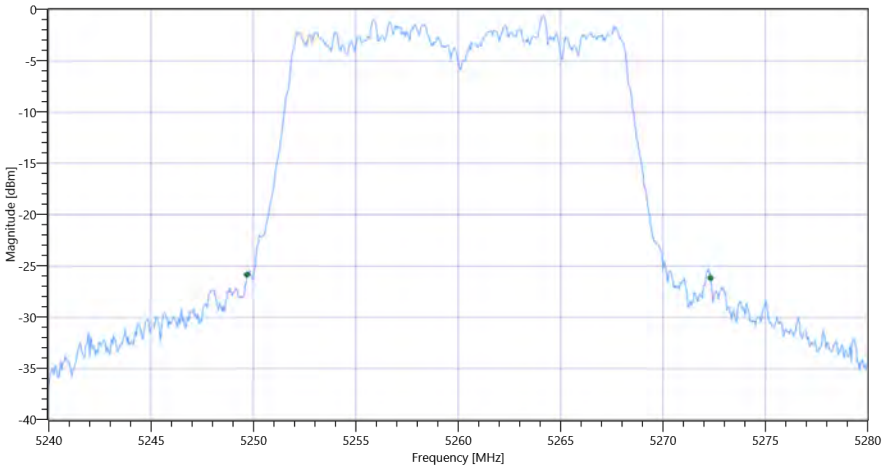
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5260 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.64	MHz	INFO
T1 26dB	---	---	5249.6800	MHz	INFO
T2 26dB	---	---	5272.3200	MHz	INFO

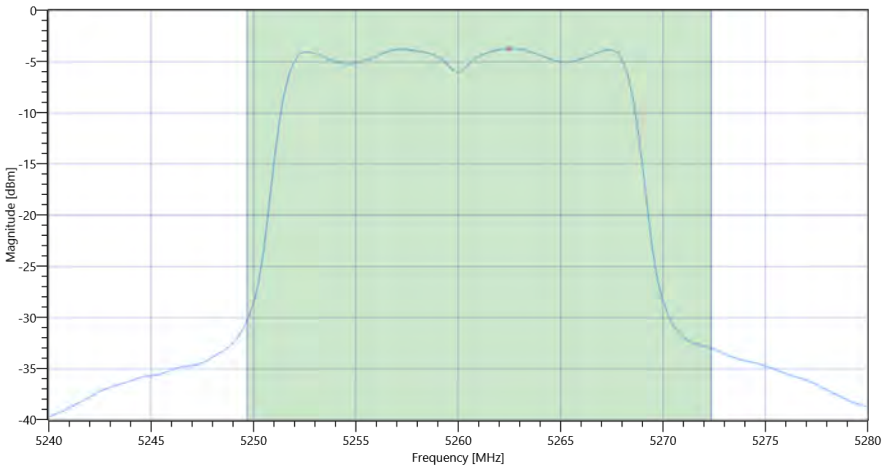


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.66 | 3.41 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
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	---	---	7.56	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.56	dBm	PASS
Limit: 11 dBm + 10 log 22.64					
Max Output Power DC corrected	---	24.55	7.56	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.72	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.72	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:33:29
Ambit Temp [°C] | Humidity [rel%]	24.7 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

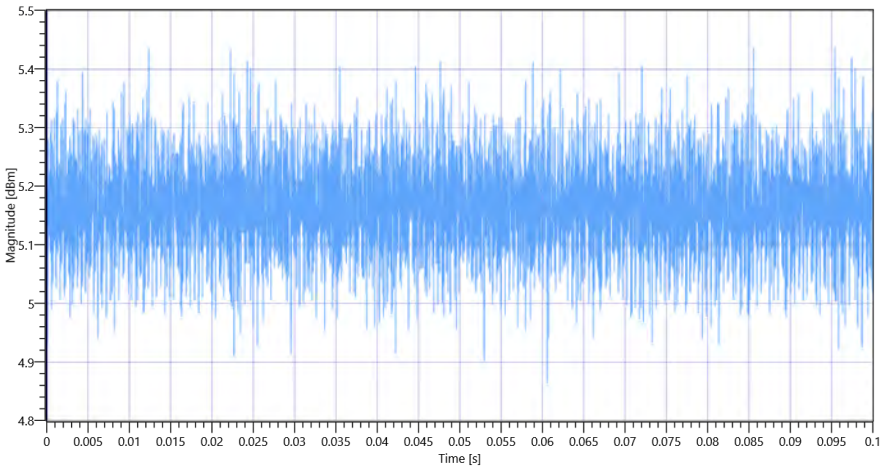
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5260 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.42	dBm	INFO
Ref. Frequency	---	---	5256.000	MHz	INFO

Evaluation max. Duty Cycle

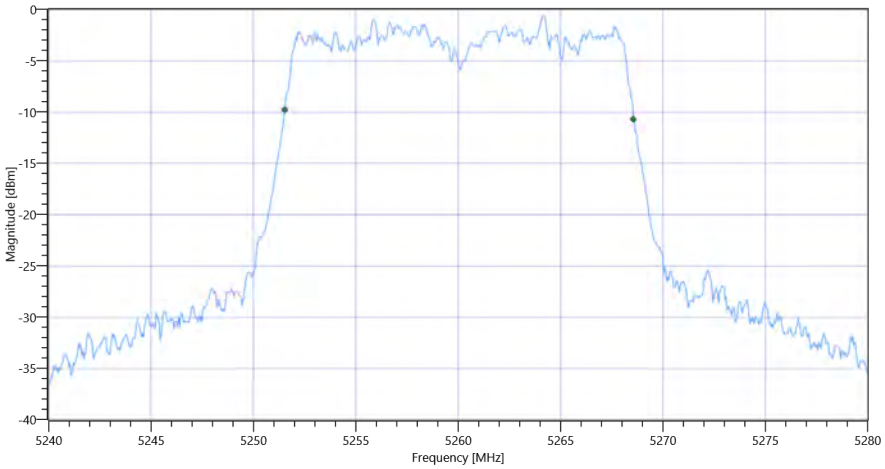
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5260 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.023	MHz	INFO
T1 99%	---	---	5251.5285	MHz	INFO
T2 99%	---	---	5268.5514	MHz	INFO

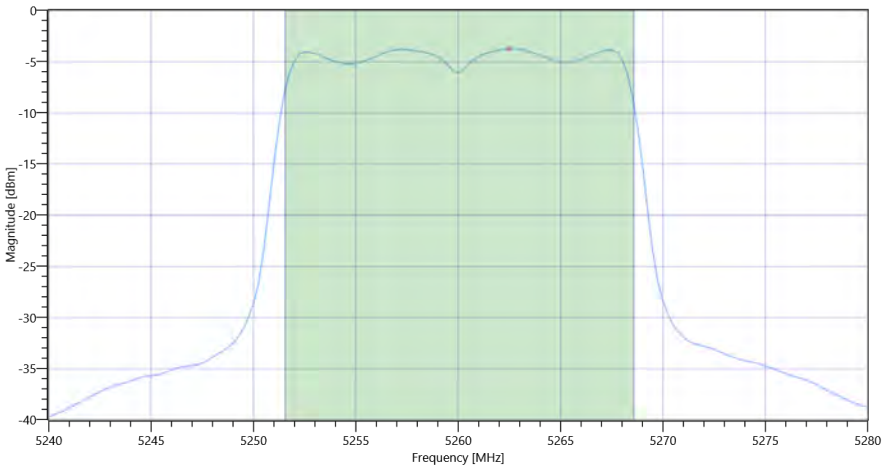


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.42 | 3.41 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
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	---	---	7.49	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.49	dBm	PASS
Limit: 11 dBm + 10 log 17.023					
Max Output Power DC corrected	---	23.31	7.49	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.74	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.74	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:35:12
Ambit Temp [°C] | Humidity [rel%]	24.8 | 43
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

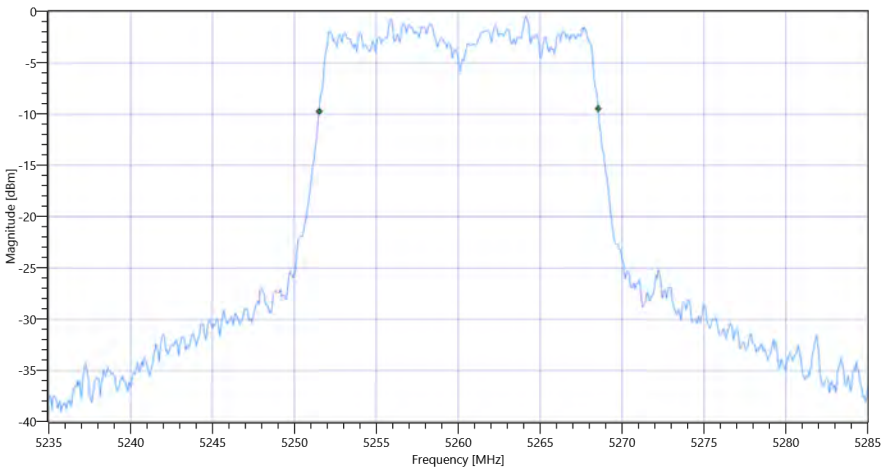
Test at TX 5260 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.19	dBm	INFO
Ref. Frequency	---	---	5261.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.19 | 3.41 | 25
Start [MHz] | Stop [MHz]	5235.000 | 5285.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

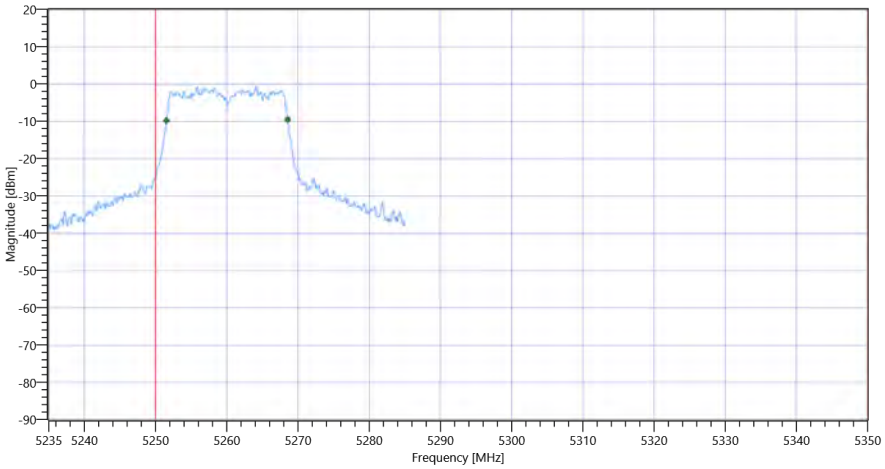
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5250.000000	---	5251.5085	MHz	PASS
T2 99%	---	5350.000000	5268.5415	MHz	PASS

Plot: Bandwidth only



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

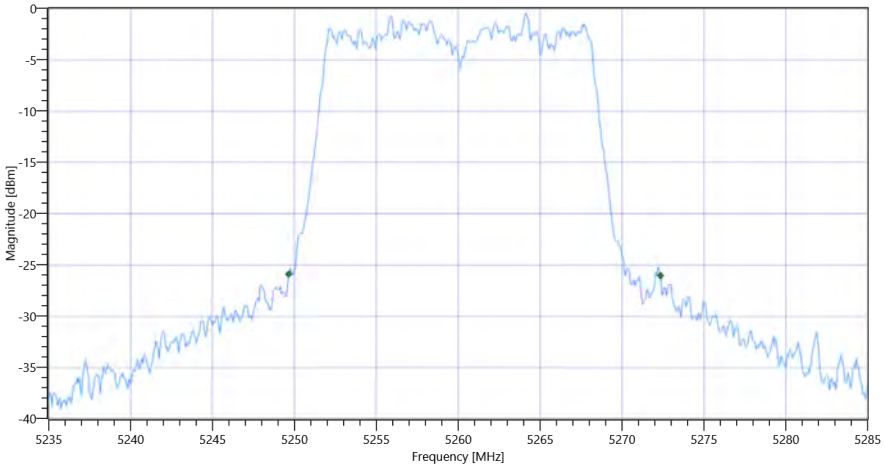
Plot: Bandwidth within Band



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

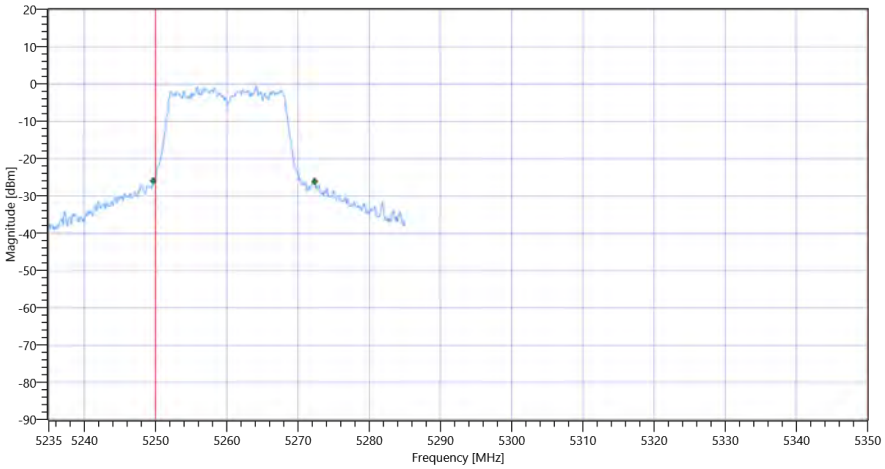
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.7	MHz	INFO
T1 26dB	5250.000000	---	5249.6500	MHz	FAIL
T2 26dB	---	5350.000000	5272.3500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	FAIL

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:36:04
Ambit Temp [°C] | Humidity [rel%]	24.9 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2A
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:36:05
Message	set WLAN5Gx to a_mode_U_NII_2A, Frequency [MHz] 5280 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:41:31
Ambit Temp [°C] | Humidity [rel%]	25.3 | 42
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

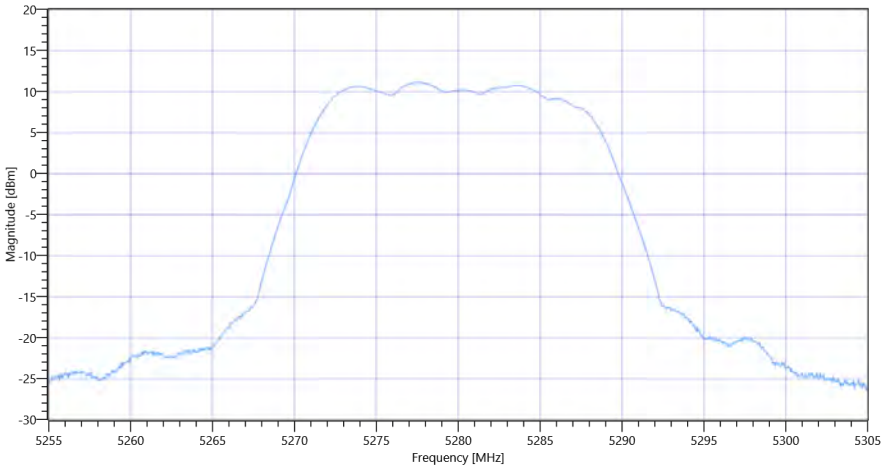
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5280 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.38	dBm	INFO
Ref. Frequency	---	---	5283.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.38 | 3.42 | 30
Start [MHz] | Stop [MHz]	5255.000 | 5305.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	11.1	dBm	INFO
Peak Power	---	---	12.882496	mW	INFO
Frequency at Peak	---	---	5277.502	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2A

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:42:02
Ambit Temp [°C] | Humidity [rel%]	25.4 | 42
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

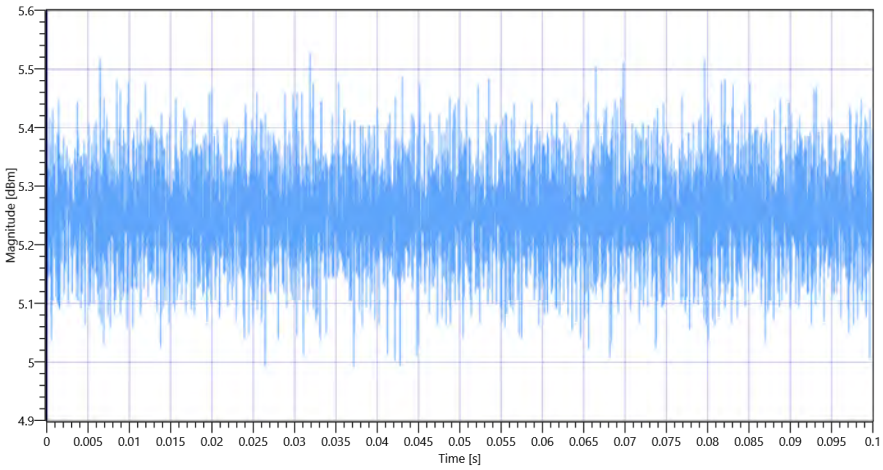
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5280 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.27	dBm	INFO
Ref. Frequency	---	---	5283.400	MHz	INFO

Evaluation max. Duty Cycle

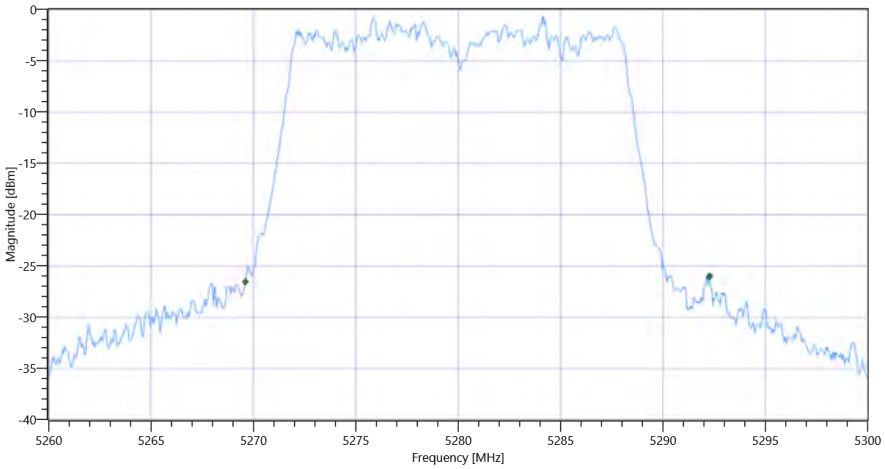
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5280 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.68	MHz	INFO
T1 26dB	---	---	5269.6000	MHz	INFO
T2 26dB	---	---	5292.2800	MHz	INFO

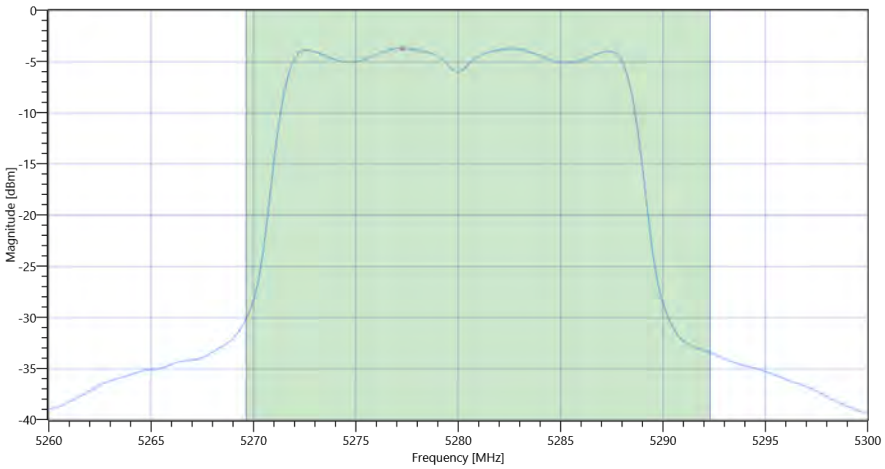


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.27 | 3.42 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
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	---	---	7.59	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.59	dBm	PASS
Limit: 11 dBm + 10 log 22.68					
Max Output Power DC corrected	---	24.56	7.59	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.7	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.7	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:43:45
Ambit Temp [°C] | Humidity [rel%]	25.5 | 42
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

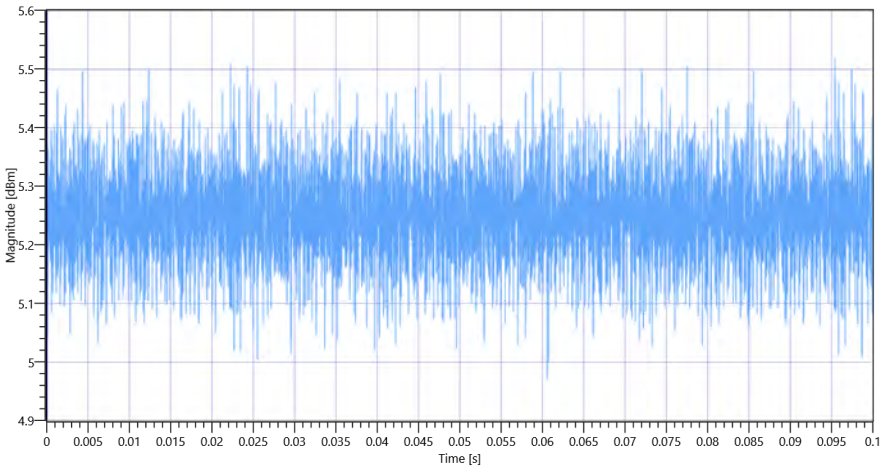
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5280 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.63	dBm	INFO
Ref. Frequency	---	---	5282.600	MHz	INFO

Evaluation max. Duty Cycle

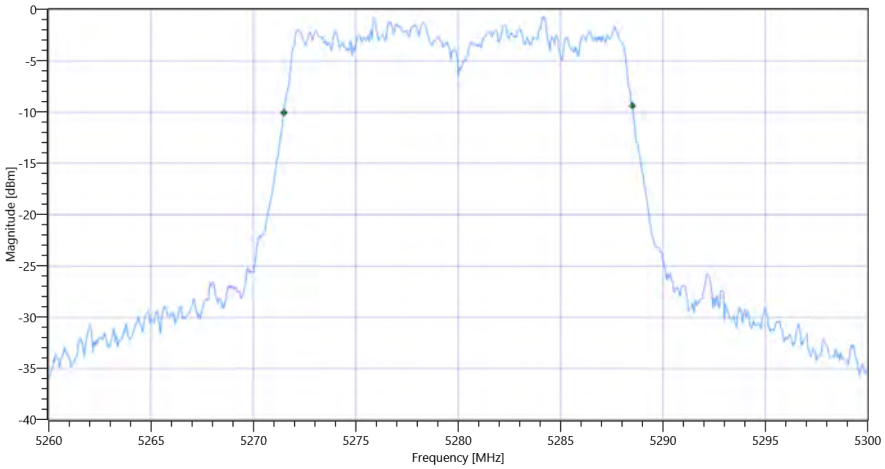
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5280 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.023	MHz	INFO
T1 99%	---	---	5271.4885	MHz	INFO
T2 99%	---	---	5288.5115	MHz	INFO

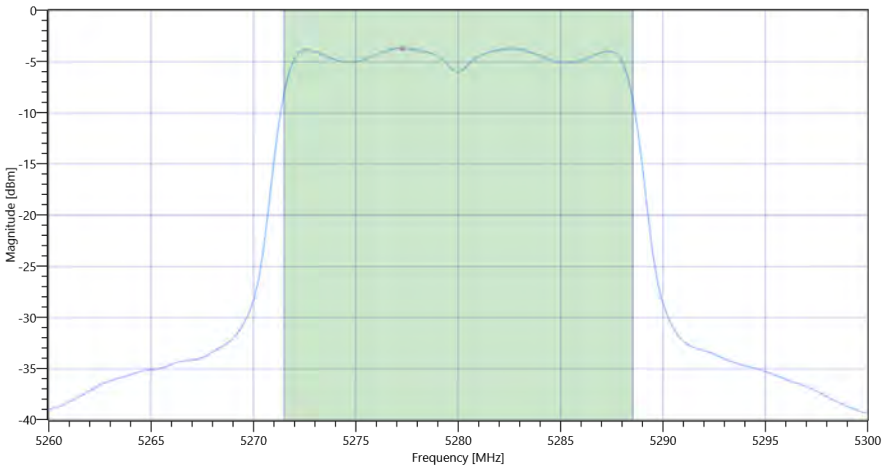


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.63 | 3.42 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
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	---	---	7.53	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.53	dBm	PASS
Limit: 11 dBm + 10 log 17.023					
Max Output Power DC corrected	---	23.31	7.53	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.7	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.7	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:45:29
Ambit Temp [°C] | Humidity [rel%]	25.6 | 42
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

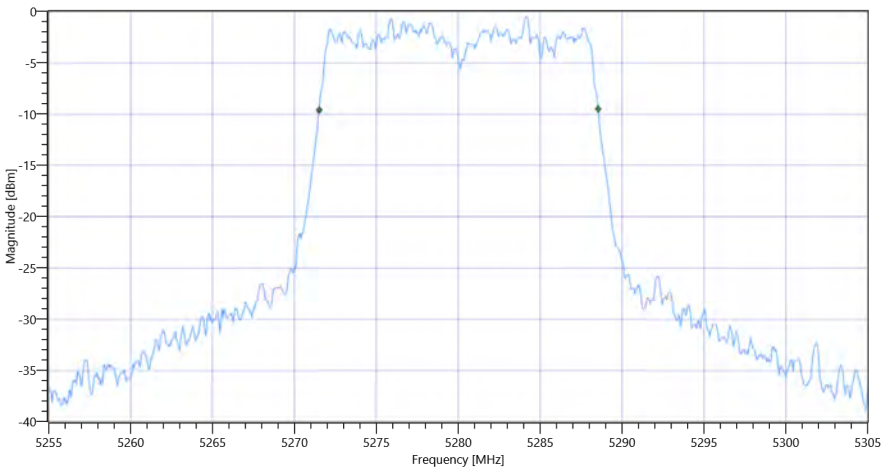
Test at TX 5280 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.63	dBm	INFO
Ref. Frequency	---	---	5282.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.63 | 3.42 | 25
Start [MHz] | Stop [MHz]	5255.000 | 5305.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

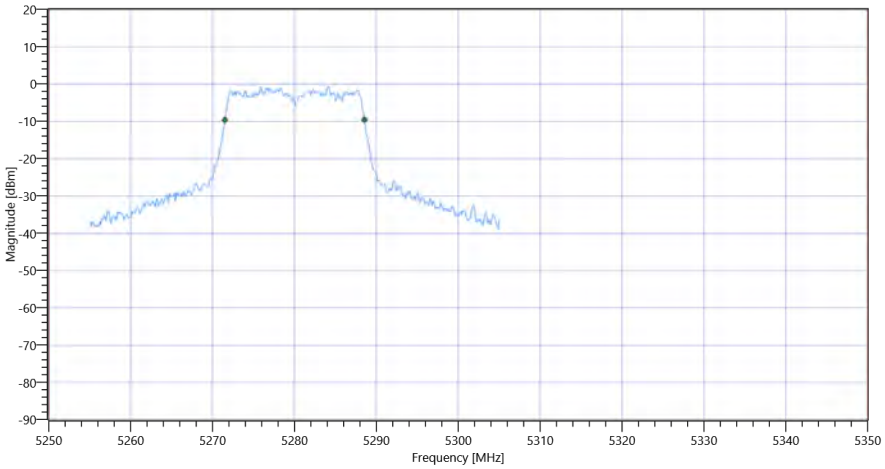
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5250.000000	---	5271.5085	MHz	PASS
T2 99%	---	5350.000000	5288.5415	MHz	PASS

Plot: Bandwidth only



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

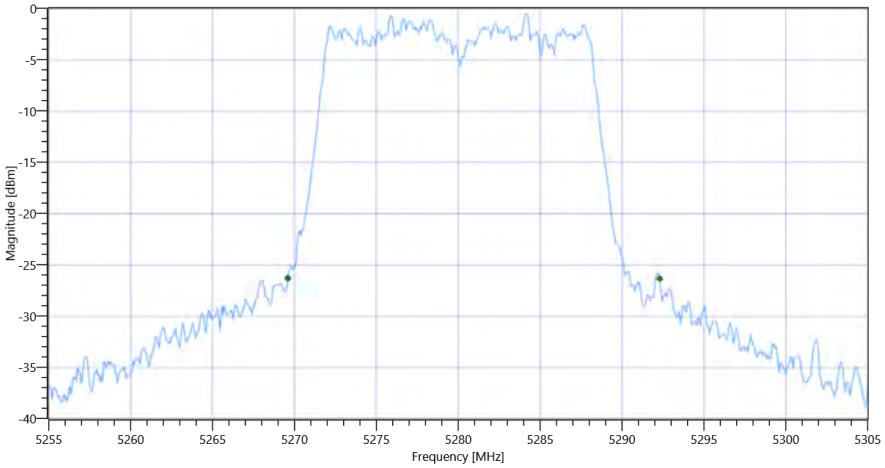
Plot: Bandwidth within Band



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

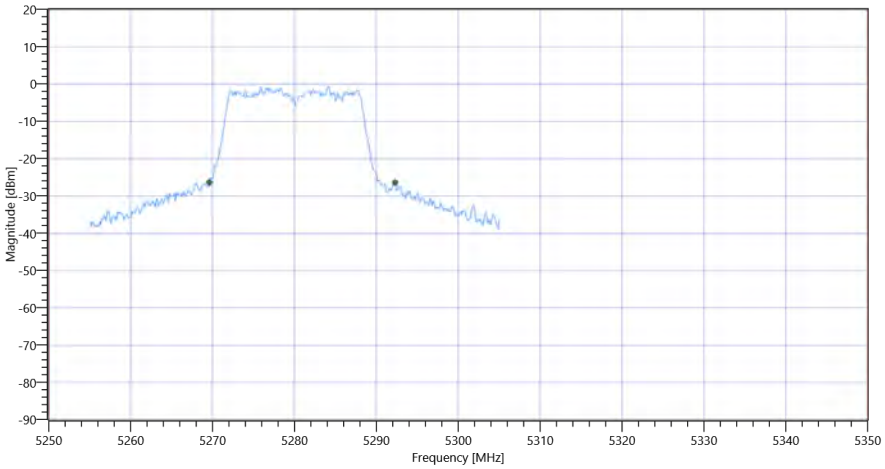
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.7	MHz	INFO
T1 26dB	5250.000000	---	5269.6000	MHz	PASS
T2 26dB	---	5350.000000	5292.3000	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:46:21
Ambit Temp [°C] | Humidity [rel%]	25.6 | 42
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2A
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:46:22
Message	set WLAN5Gx to a_mode_U_NII_2A, Frequency [MHz] 5320

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:51:39
Ambit Temp [°C] | Humidity [rel%]	25.4 | 42
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

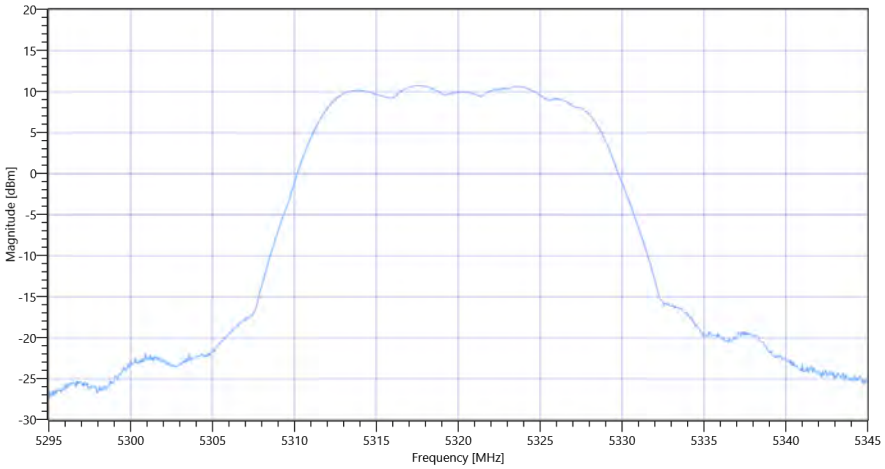
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5320 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.18	dBm	INFO
Ref. Frequency	---	---	5323.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.18 | 3.42 | 30
Start [MHz] | Stop [MHz]	5295.000 | 5345.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	10.75	dBm	INFO
Peak Power	---	---	11.885022	mW	INFO
Frequency at Peak	---	---	5317.652	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2A

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:52:10
Ambit Temp [°C] | Humidity [rel%]	25.4 | 42
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

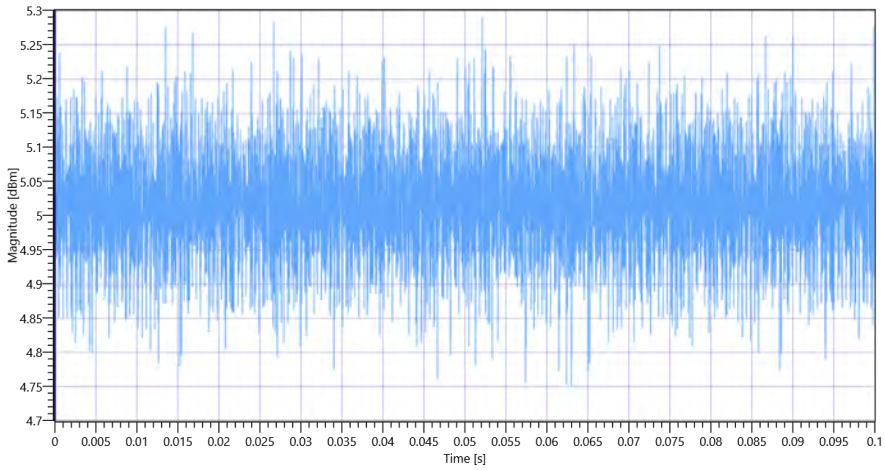
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5320 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.30	dBm	INFO
Ref. Frequency	---	---	5322.400	MHz	INFO

Evaluation max. Duty Cycle

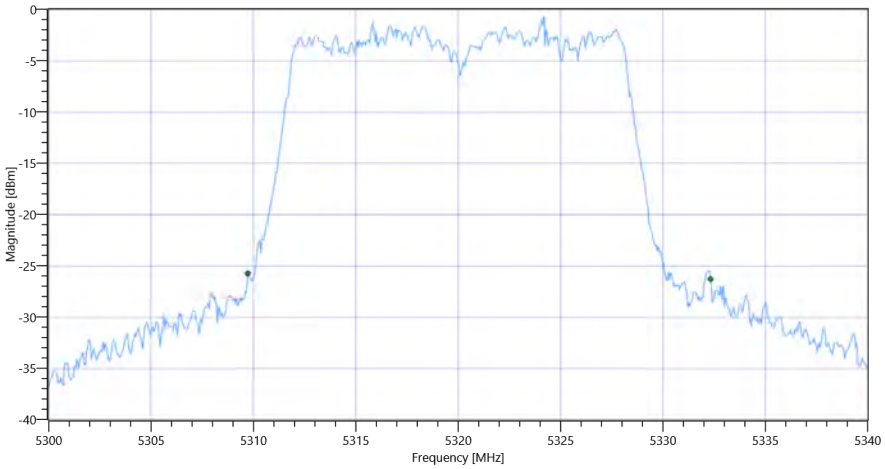
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5320 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.6	MHz	INFO
T1 26dB	---	---	5309.7200	MHz	INFO
T2 26dB	---	---	5332.3200	MHz	INFO

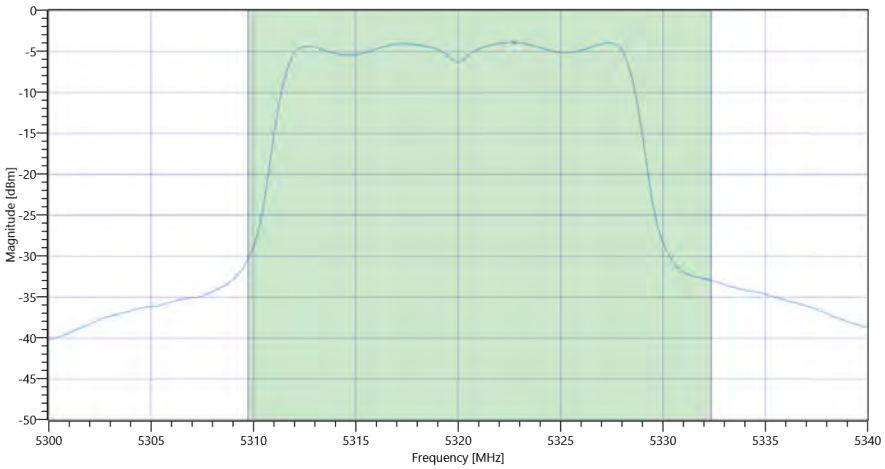


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.30 | 3.42 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
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	---	---	7.35	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.35	dBm	PASS
Limit: 11 dBm + 10 log 22.6					
Max Output Power DC corrected	---	24.54	7.35	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.91	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.91	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

Test References	
TC Start	15.11.2022 11:53:54
Ambit Temp [°C] | Humidity [rel%]	25.3 | 42
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

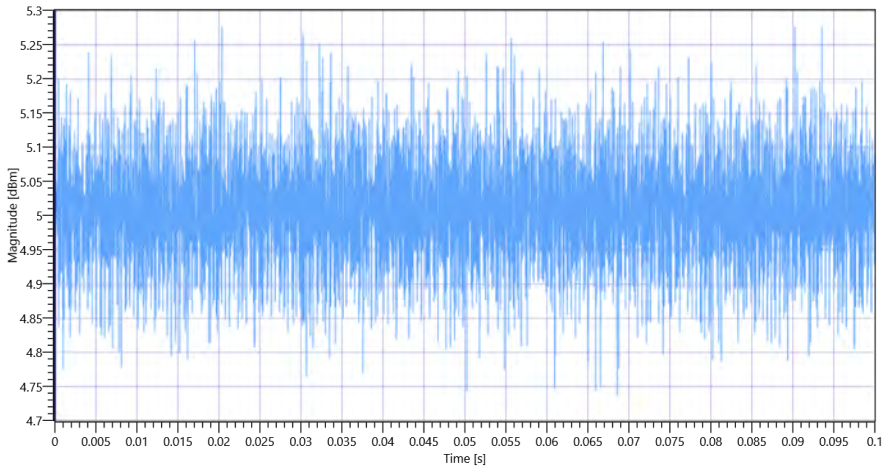
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5320 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	4.16	dBm	INFO
Ref. Frequency	---	---	5323.000	MHz	INFO

Evaluation max. Duty Cycle

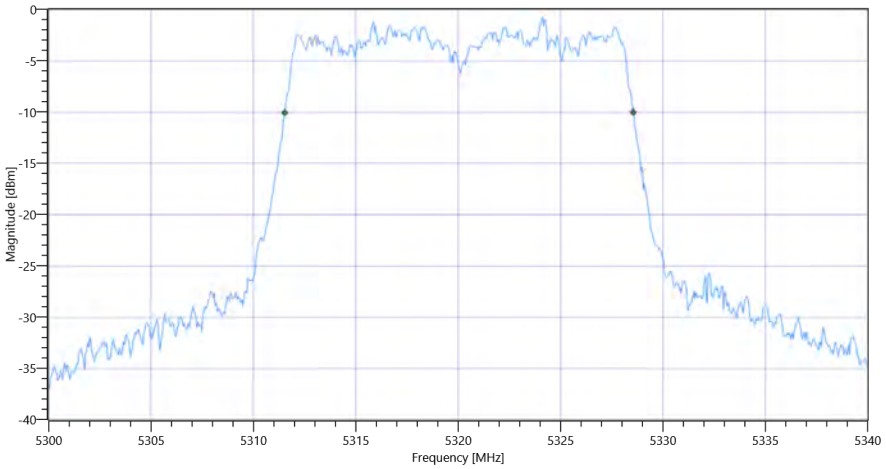
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A 5320 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.023	MHz	INFO
T1 99%	---	---	5311.5285	MHz	INFO
T2 99%	---	---	5328.5514	MHz	INFO

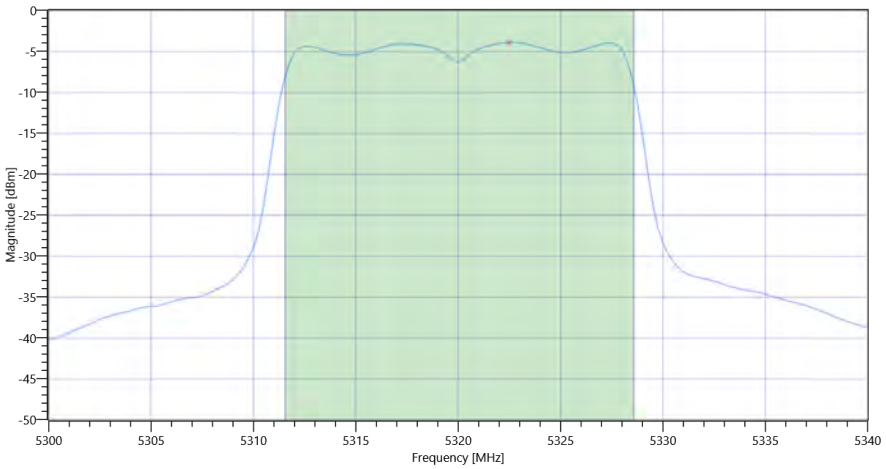


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.16 | 3.42 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
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	---	---	7.28	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.28	dBm	PASS
Limit: 11 dBm + 10 log 17.023					
Max Output Power DC corrected	---	23.31	7.28	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.92	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.92	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 11:55:37
Ambit Temp [°C] | Humidity [rel%]	25.3 | 42
System Version	3.3.1.8
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 a mode U-NII-2A
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

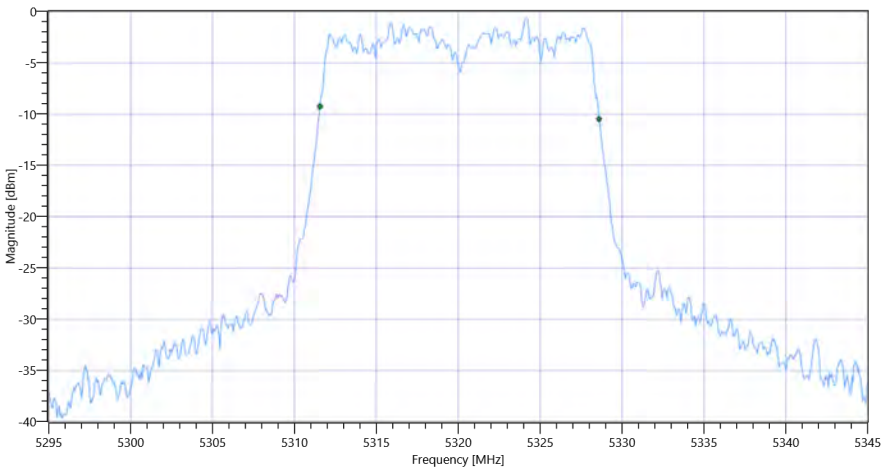
Test at TX 5320 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.86	dBm	INFO
Ref. Frequency	---	---	5327.390	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.86 | 3.42 | 25
Start [MHz] | Stop [MHz]	5295.000 | 5345.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

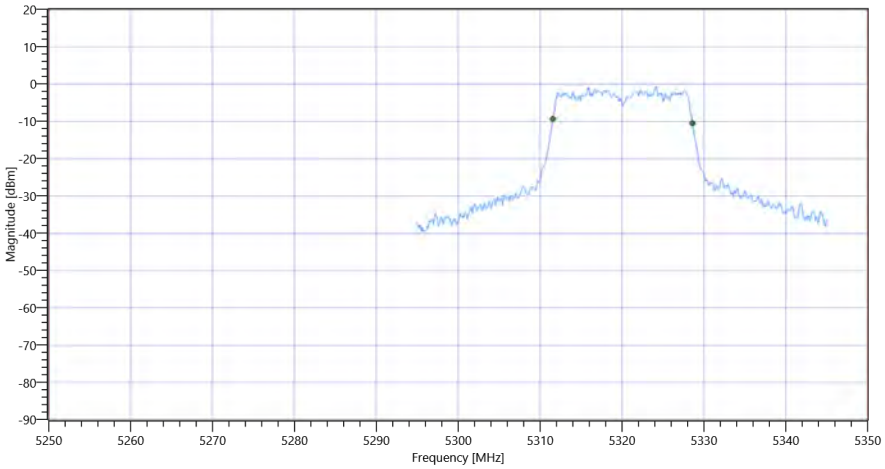
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.033	MHz	INFO
T1 99%	5250.000000	---	5311.5584	MHz	PASS
T2 99%	---	5350.000000	5328.5914	MHz	PASS

Plot: Bandwidth only



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

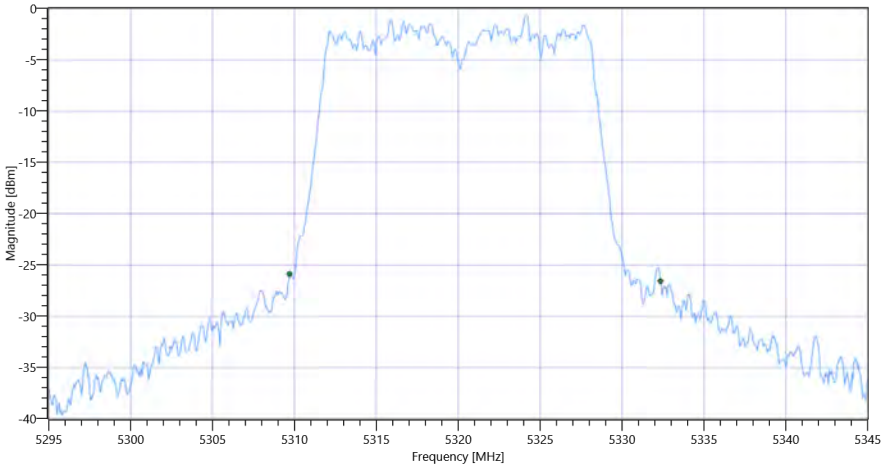
Plot: Bandwidth within Band



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

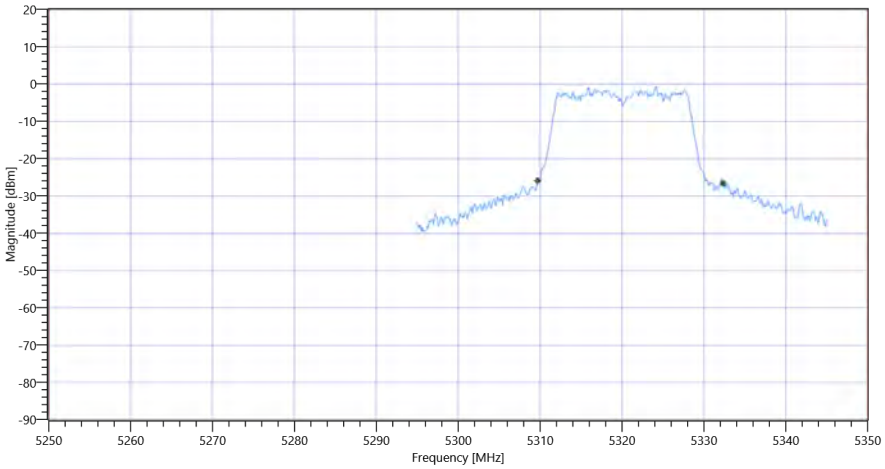
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	22.65	MHz	INFO
T1 26dB	5250.000000	---	5309.7000	MHz	PASS
T2 26dB	---	5350.000000	5332.3500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 11:56:29
Ambit Temp [°C] | Humidity [rel%]	25.2 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2C
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 11:56:31
Message	set WLAN5Gx to a_mode_U_NII_2C, Frequency [MHz] 5500 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:35:32
Ambit Temp [°C] | Humidity [rel%]	24.8 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

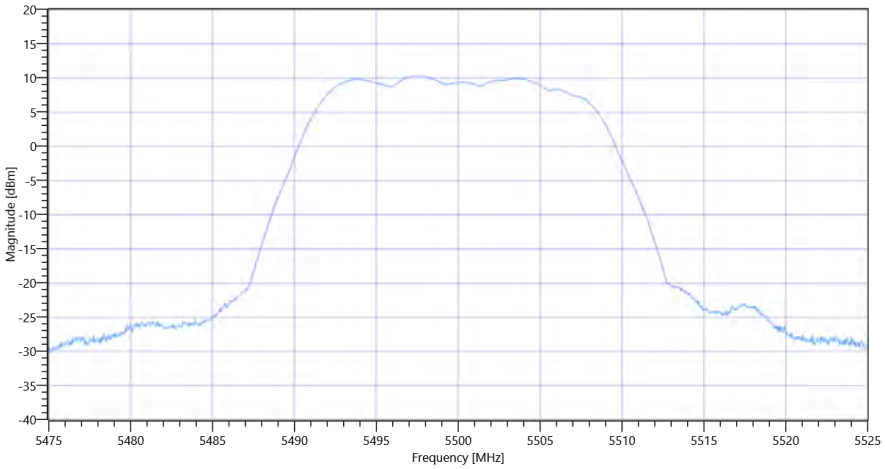
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5500 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.60	dBm	INFO
Ref. Frequency	---	---	5501.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.60 | 3.39 | 30
Start [MHz] | Stop [MHz]	5475.000 | 5525.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	10.32	dBm	INFO
Peak Power	---	---	10.764652	mW	INFO
Frequency at Peak	---	---	5497.602	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:36:03
Ambit Temp [°C] | Humidity [rel%]	24.8 | 44
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

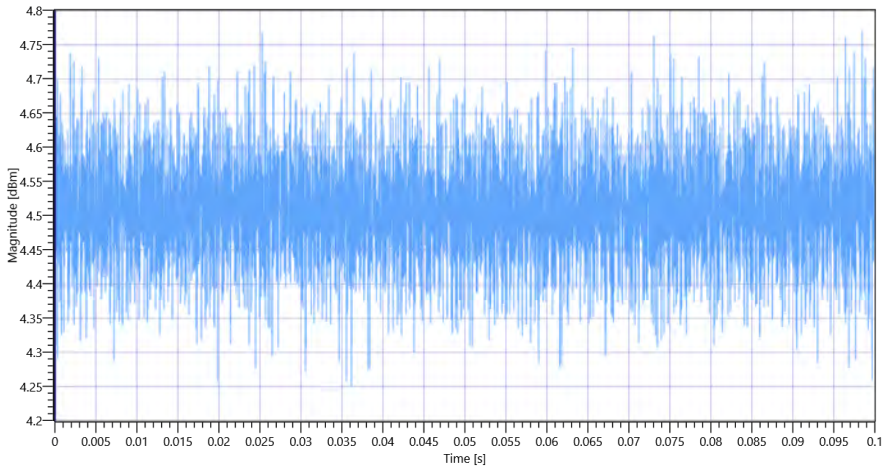
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5500 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.43	dBm	INFO
Ref. Frequency	---	---	5502.200	MHz	INFO

Evaluation max. Duty Cycle

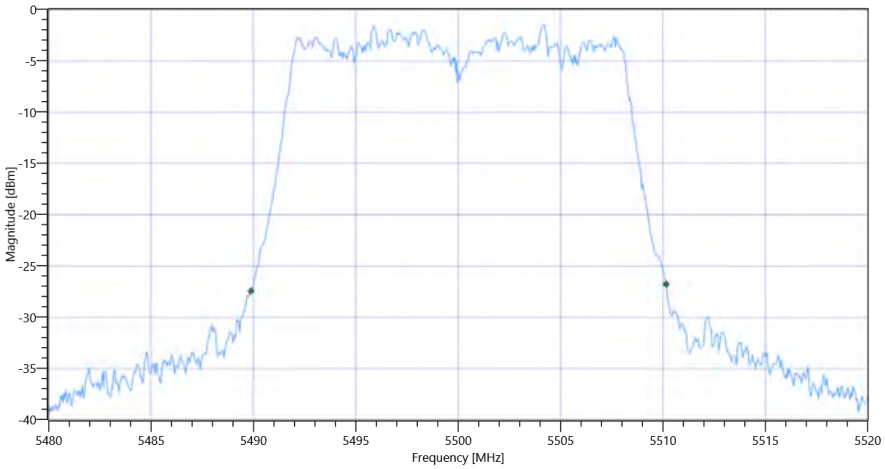
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5500 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.28	MHz	INFO
T1 26dB	---	---	5489.8800	MHz	INFO
T2 26dB	---	---	5510.1600	MHz	INFO

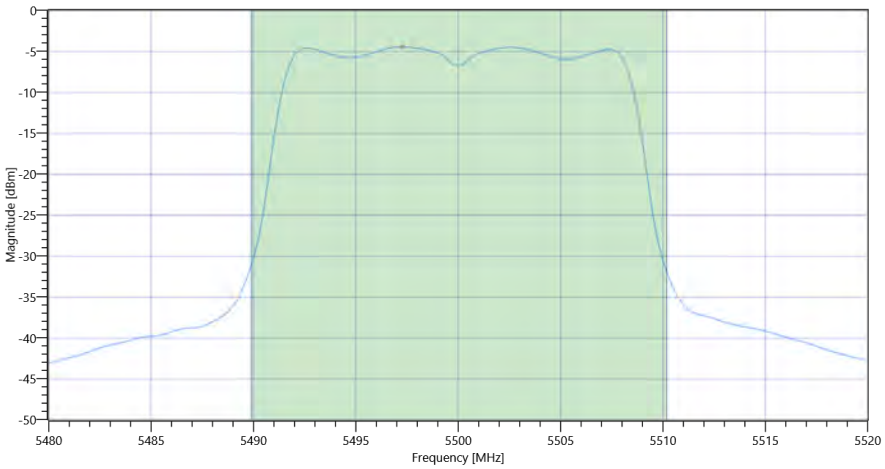


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.43 | 3.39 | 30
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
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	---	---	6.83	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.83	dBm	PASS
Limit: 11 dBm + 10 log 20.28					
Max Output Power DC corrected	---	24.07	6.83	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.44	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.44	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:37:46
Ambit Temp [°C] | Humidity [rel%]	25.1 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

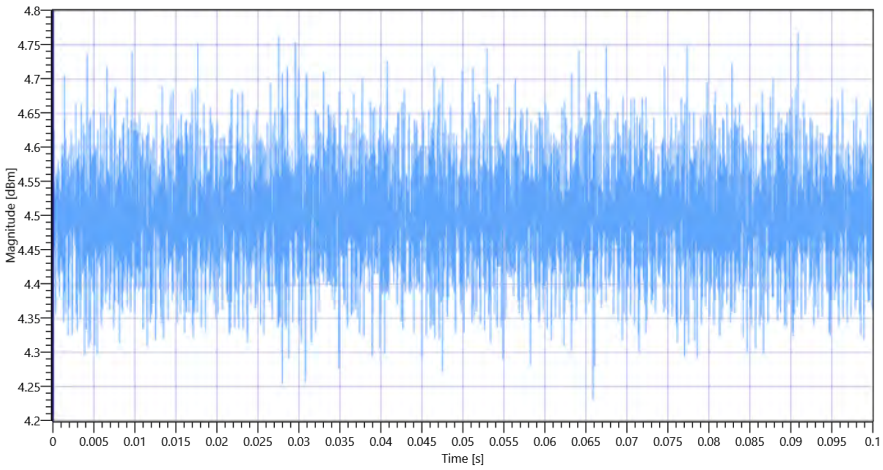
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5500 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.38	dBm	INFO
Ref. Frequency	---	---	5502.600	MHz	INFO

Evaluation max. Duty Cycle

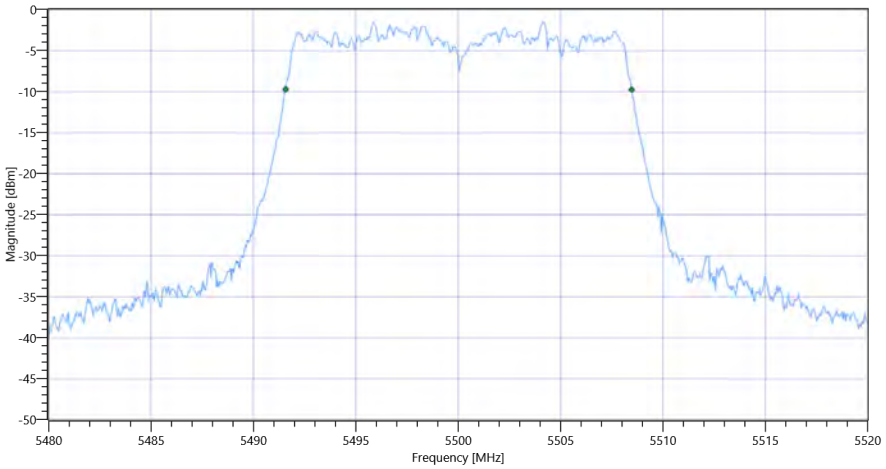
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5500 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.903	MHz	INFO
T1 99%	---	---	5491.5684	MHz	INFO
T2 99%	---	---	5508.4715	MHz	INFO

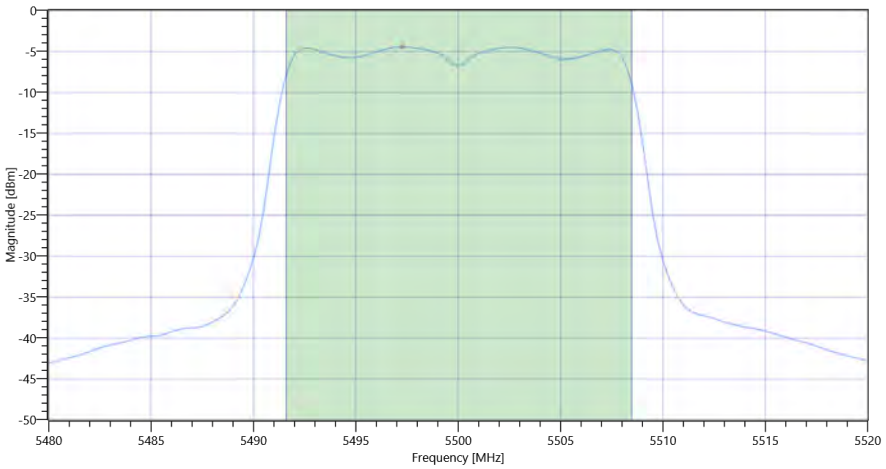


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.38 | 3.39 | 30
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
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	---	---	6.75	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.75	dBm	PASS
Limit: 11 dBm + 10 log 16.903					
Max Output Power DC corrected	---	23.28	6.75	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.45	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.45	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 12:39:30
Ambit Temp [°C] | Humidity [rel%]	25.2 | 43
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

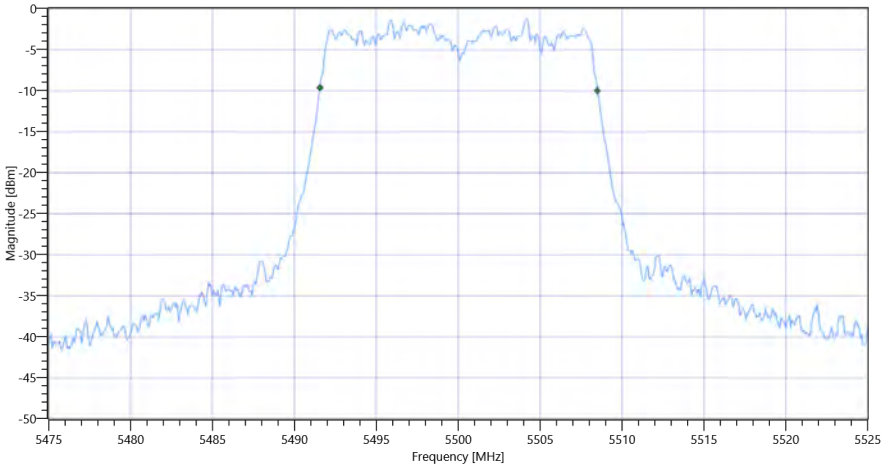
Test at TX 5500 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.48	dBm	INFO
Ref. Frequency	---	---	5497.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.48 | 3.39 | 25
Start [MHz] | Stop [MHz]	5475.000 | 5525.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

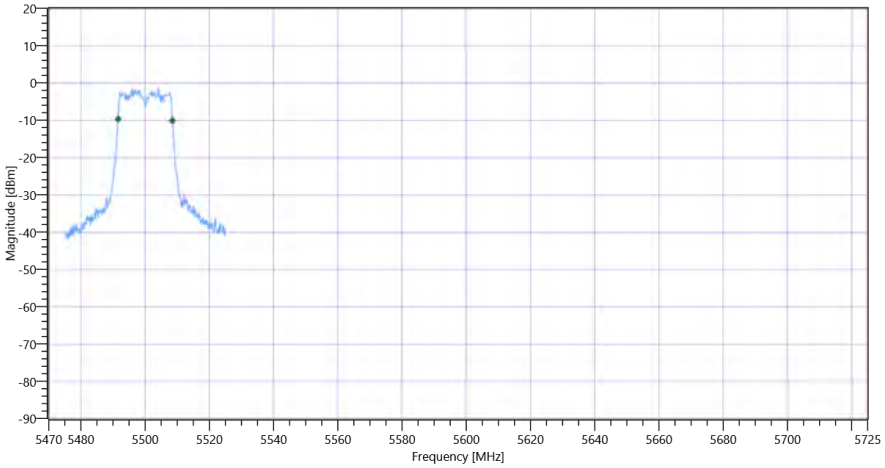
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.933	MHz	INFO
T1 99%	5470.000000	---	5491.5584	MHz	PASS
T2 99%	---	5725.000000	5508.4915	MHz	PASS

Plot: Bandwidth only



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

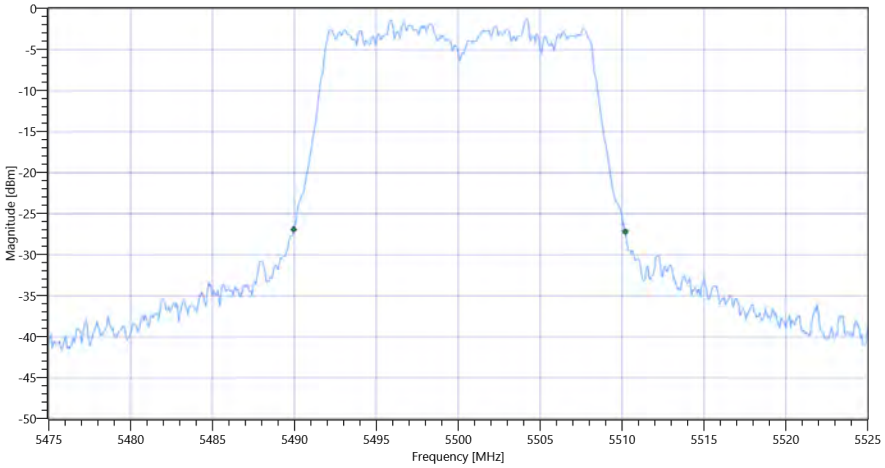
Plot: Bandwidth within Band



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

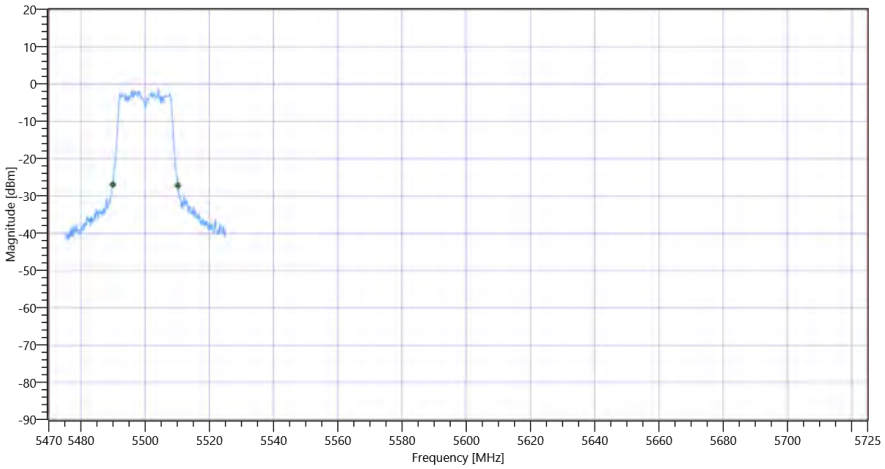
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.25	MHz	INFO
T1 26dB	5470.000000	---	5489.9500	MHz	PASS
T2 26dB	---	5725.000000	5510.2000	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 12:40:23
Ambit Temp [°C] | Humidity [rel%]	25.3 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2C
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 12:40:24
Message	set WLAN5Gx to a_mode_U_NII_2C, Frequency [MHz] 5600 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:42:19
Ambit Temp [°C] | Humidity [rel%]	25.5 | 42
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

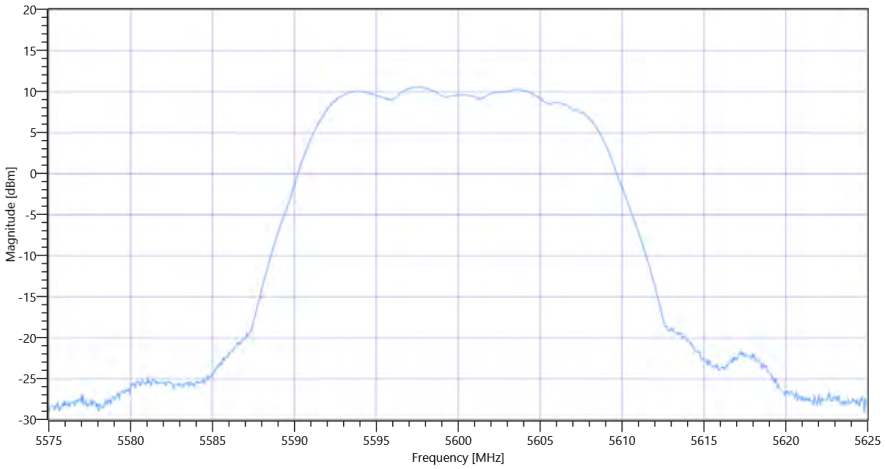
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5600 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.87	dBm	INFO
Ref. Frequency	---	---	5602.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.87 | 3.45 | 30
Start [MHz] | Stop [MHz]	5575.000 | 5625.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	10.55	dBm	INFO
Peak Power	---	---	11.350108	mW	INFO
Frequency at Peak	---	---	5597.552	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:42:50
Ambit Temp [°C] | Humidity [rel%]	25.5 | 42
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

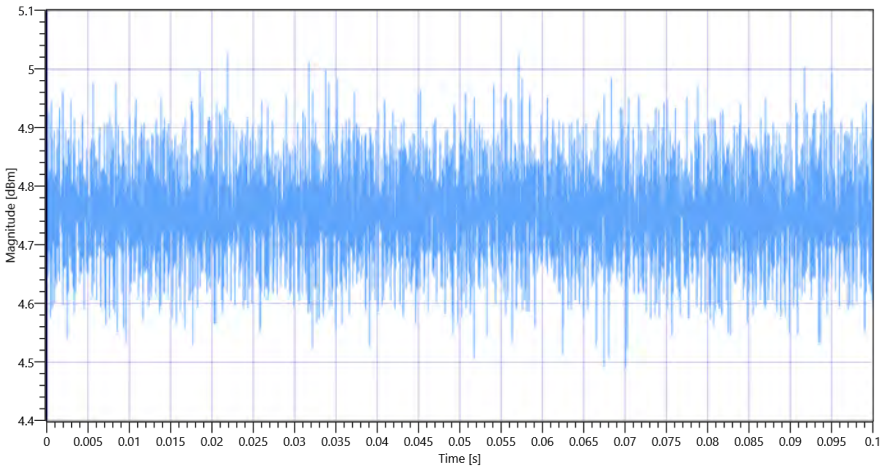
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5600 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.64	dBm	INFO
Ref. Frequency	---	---	5597.800	MHz	INFO

Evaluation max. Duty Cycle

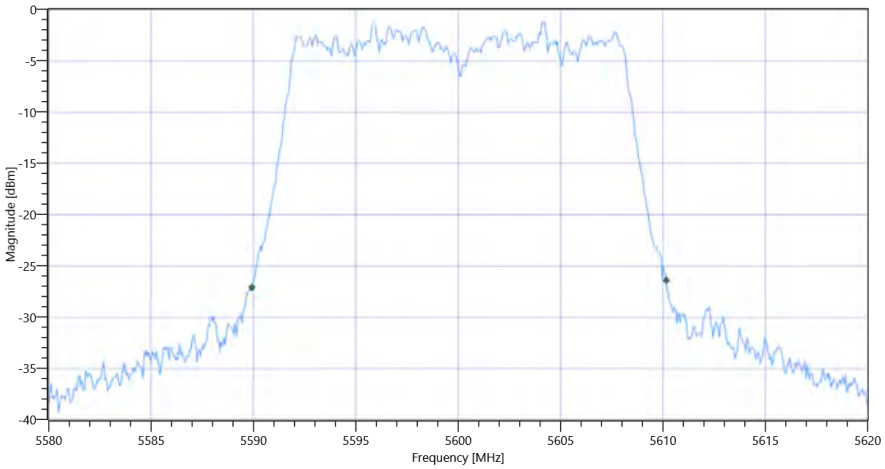
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5600 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.24	MHz	INFO
T1 26dB	---	---	5589.9200	MHz	INFO
T2 26dB	---	---	5610.1600	MHz	INFO

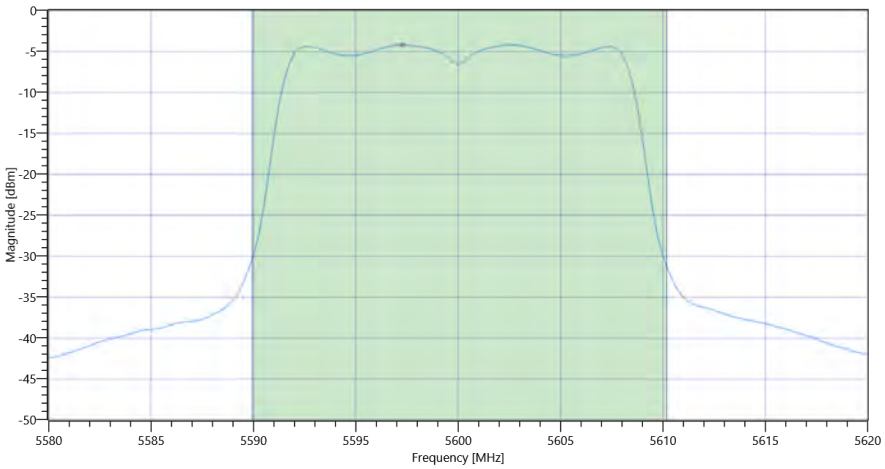


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.64 | 3.45 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
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	---	---	7.1	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.1	dBm	PASS
Limit: 11 dBm + 10 log 20.24					
Max Output Power DC corrected	---	24.06	7.1	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.21	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.21	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:44:34
Ambit Temp [°C] | Humidity [rel%]	25.5 | 42
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

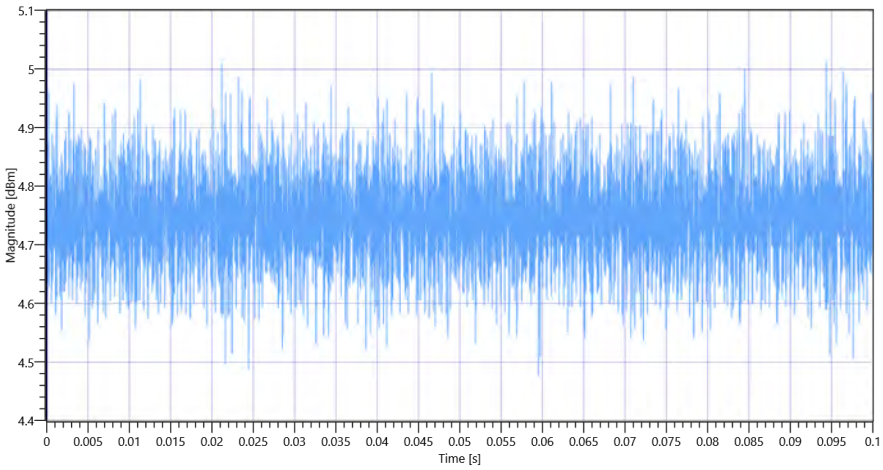
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5600 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.45	dBm	INFO
Ref. Frequency	---	---	5601.600	MHz	INFO

Evaluation max. Duty Cycle

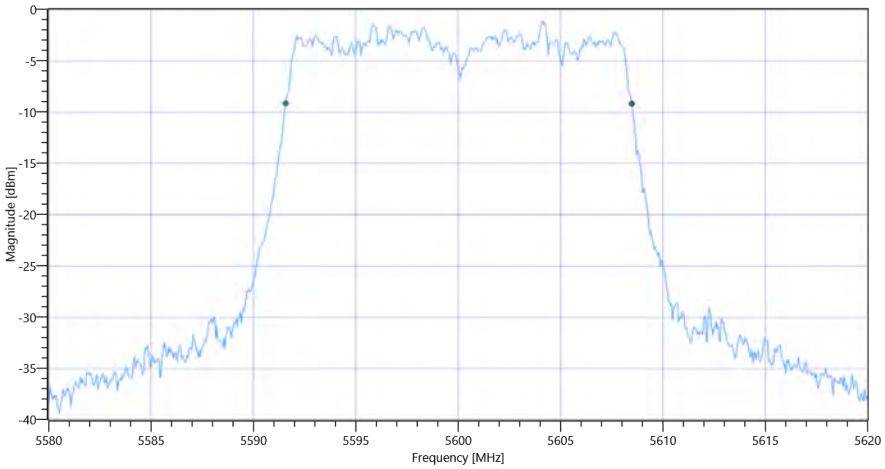
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5600 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.903	MHz	INFO
T1 99%	---	---	5591.5684	MHz	INFO
T2 99%	---	---	5608.4715	MHz	INFO

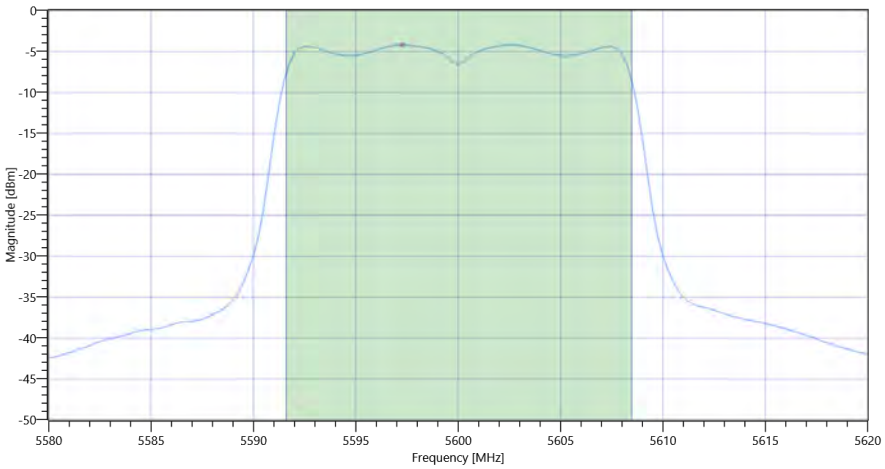


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.45 | 3.45 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
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	---	---	7.03	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	7.03	dBm	PASS
Limit: 11 dBm + 10 log 16.903					
Max Output Power DC corrected	---	23.28	7.03	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.21	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.21	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 12:46:19
Ambit Temp [°C] | Humidity [rel%]	25.4 | 43
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

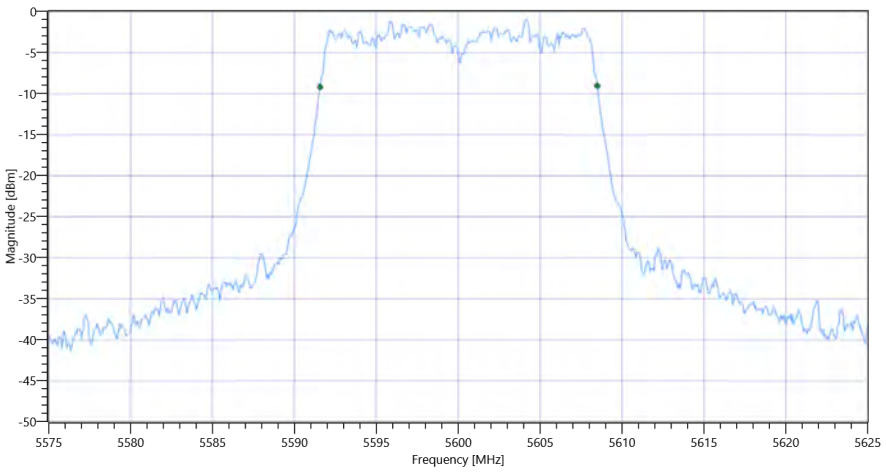
Test at TX 5600 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.61	dBm	INFO
Ref. Frequency	---	---	5603.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.61 | 3.45 | 25
Start [MHz] | Stop [MHz]	5575.000 | 5625.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

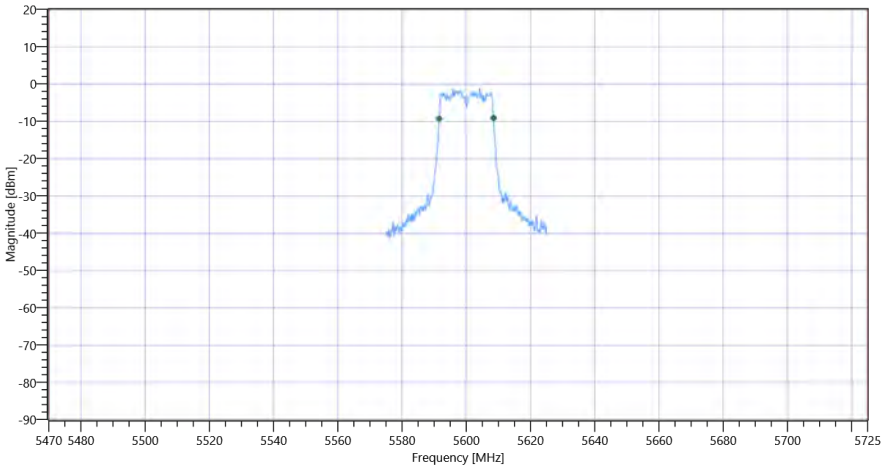
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.933	MHz	INFO
T1 99%	5470.000000	---	5591.5584	MHz	PASS
T2 99%	---	5725.000000	5608.4915	MHz	PASS

Plot: Bandwidth only



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

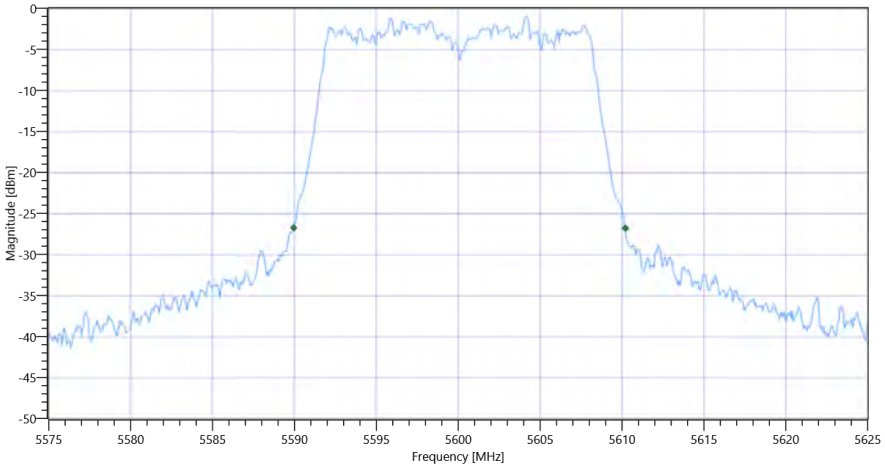
Plot: Bandwidth within Band



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

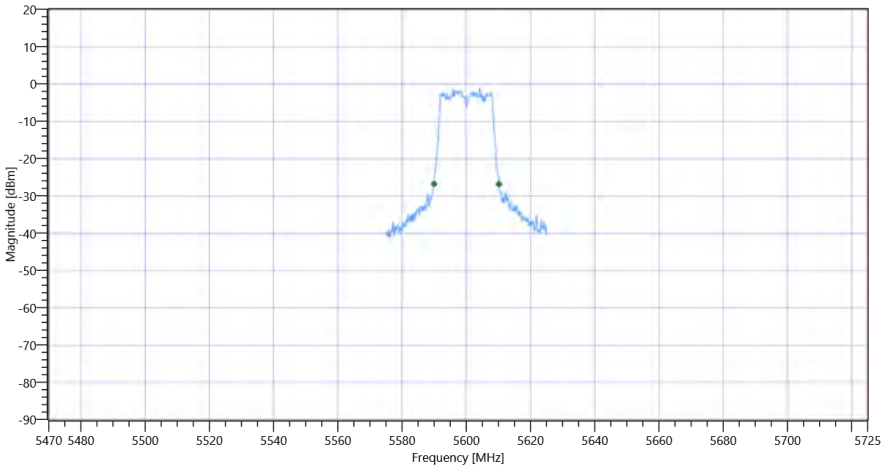
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.25	MHz	INFO
T1 26dB	5470.000000	---	5589.9500	MHz	PASS
T2 26dB	---	5725.000000	5610.2000	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 12:47:12
Ambit Temp [°C] | Humidity [rel%]	25.3 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_2C
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 12:47:13
Message	set WLAN5Gx to a_mode_U_NII_2C, Frequency [MHz] 5700

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:47:57
Ambit Temp [°C] | Humidity [rel%]	25.2 | 43
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

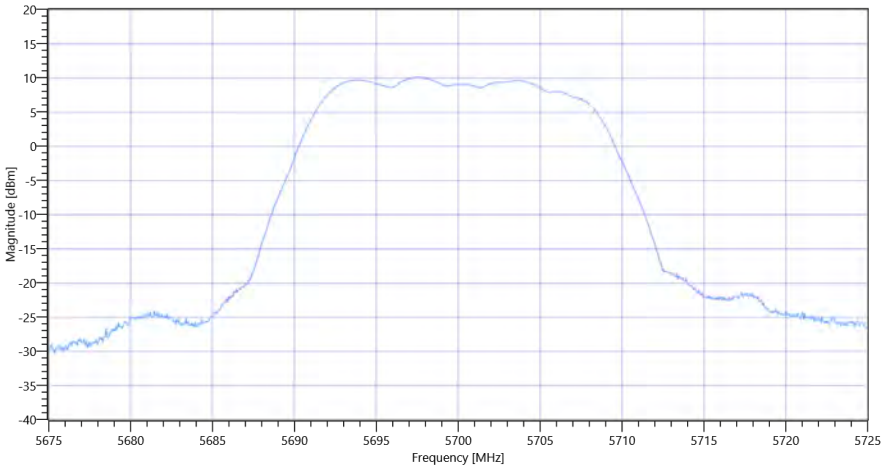
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5700 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.09	dBm	INFO
Ref. Frequency	---	---	5703.000	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.09 | 3.57 | 30
Start [MHz] | Stop [MHz]	5675.000 | 5725.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	10.1	dBm	INFO
Peak Power	---	---	10.23293	mW	INFO
Frequency at Peak	---	---	5697.502	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-2C

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:48:28
Ambit Temp [°C] | Humidity [rel%]	25.1 | 43
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

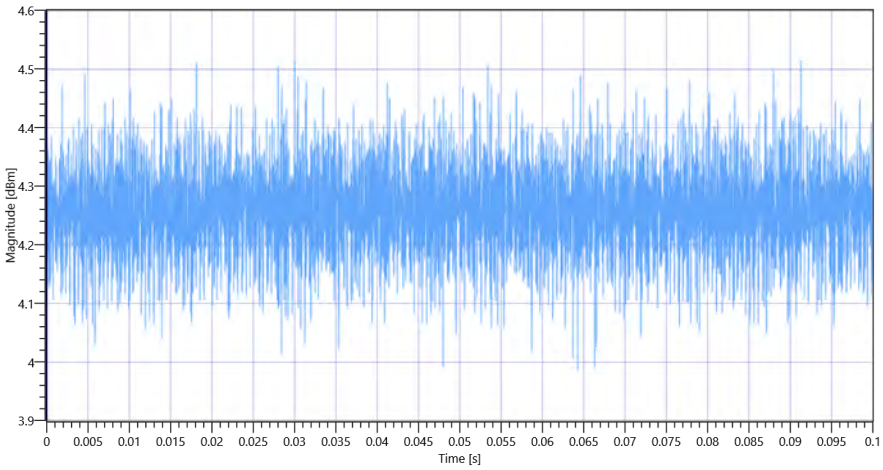
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5700 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.33	dBm	INFO
Ref. Frequency	---	---	5702.800	MHz	INFO

Evaluation max. Duty Cycle

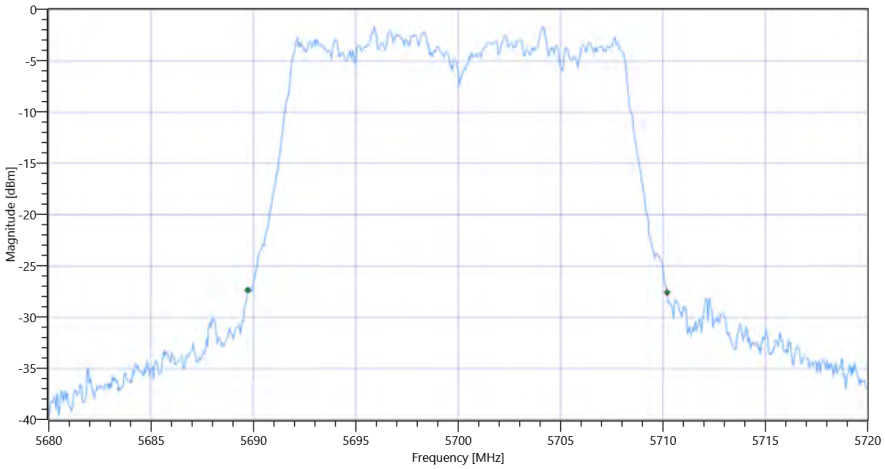
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5700 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.48	MHz	INFO
T1 26dB	---	---	5689.7200	MHz	INFO
T2 26dB	---	---	5710.2000	MHz	INFO

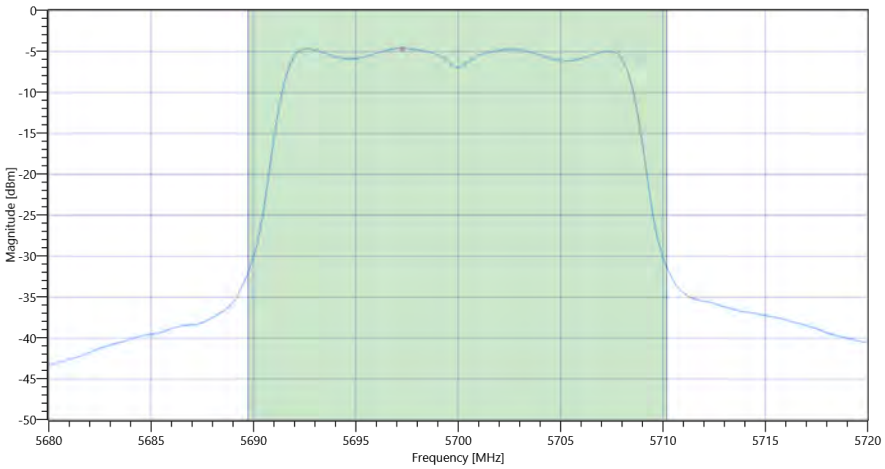


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.33 | 3.57 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
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	---	---	6.64	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.64	dBm	PASS
Limit: 11 dBm + 10 log 20.48					
Max Output Power DC corrected	---	24.11	6.64	dBm	PASS



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

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.63	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.63	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

Test References	
TC Start	15.11.2022 12:50:12
Ambit Temp [°C] | Humidity [rel%]	24.9 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

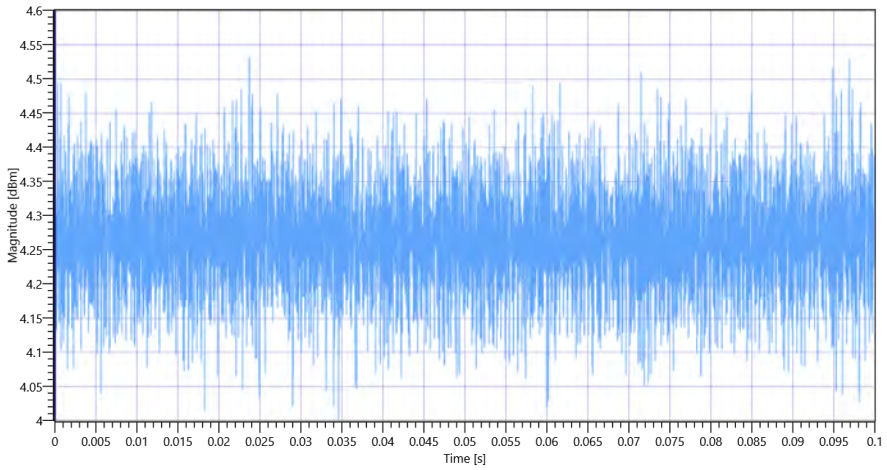
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5700 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	2.98	dBm	INFO
Ref. Frequency	---	---	5701.400	MHz	INFO

Evaluation max. Duty Cycle

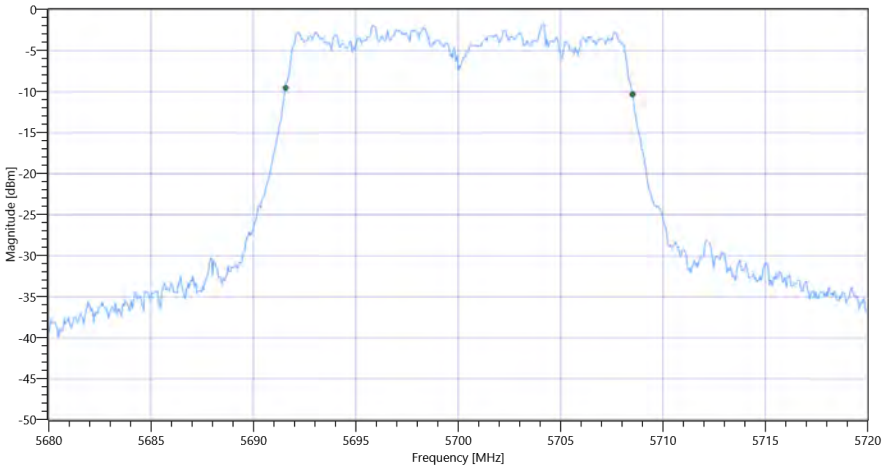
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C 5700 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.943	MHz	INFO
T1 99%	---	---	5691.5684	MHz	INFO
T2 99%	---	---	5708.5115	MHz	INFO

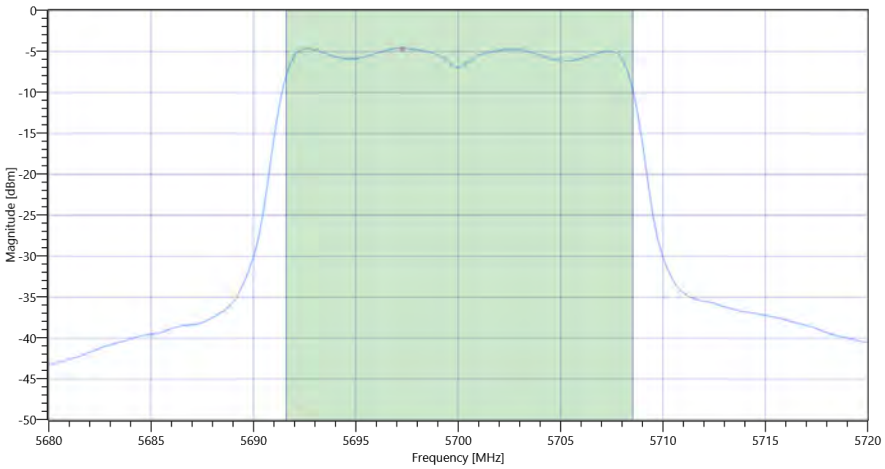


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.98 | 3.57 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
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	---	---	6.57	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.57	dBm	PASS
Limit: 11 dBm + 10 log 16.943					
Max Output Power DC corrected	---	23.29	6.57	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-4.63	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-4.63	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	15.11.2022 12:51:57
Ambit Temp [°C] | Humidity [rel%]	24.8 | 44
System Version	3.3.1.8
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 a mode U-NII-2C
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

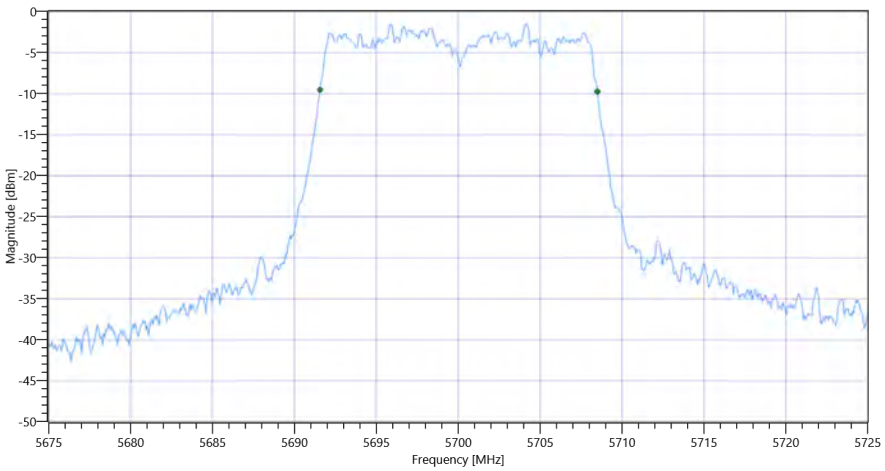
Test at TX 5700 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	3.27	dBm	INFO
Ref. Frequency	---	---	5702.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.27 | 3.57 | 25
Start [MHz] | Stop [MHz]	5675.000 | 5725.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

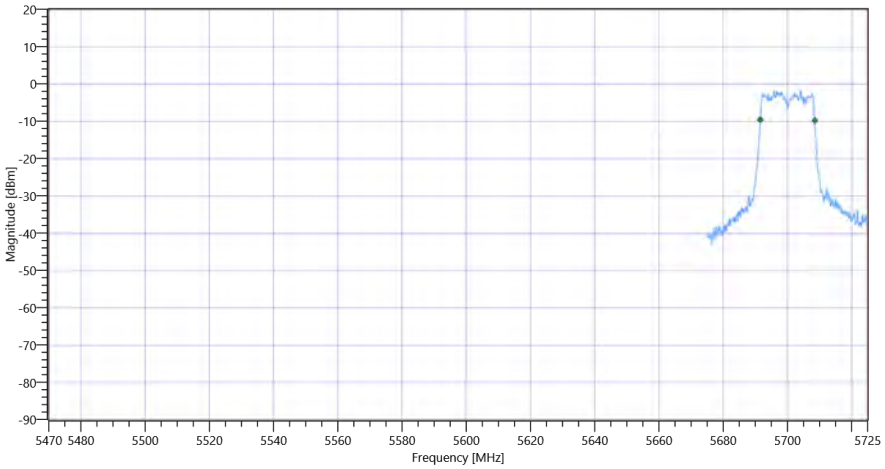
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.933	MHz	INFO
T1 99%	5470.000000	---	5691.5584	MHz	PASS
T2 99%	---	5725.000000	5708.4915	MHz	PASS

Plot: Bandwidth only



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

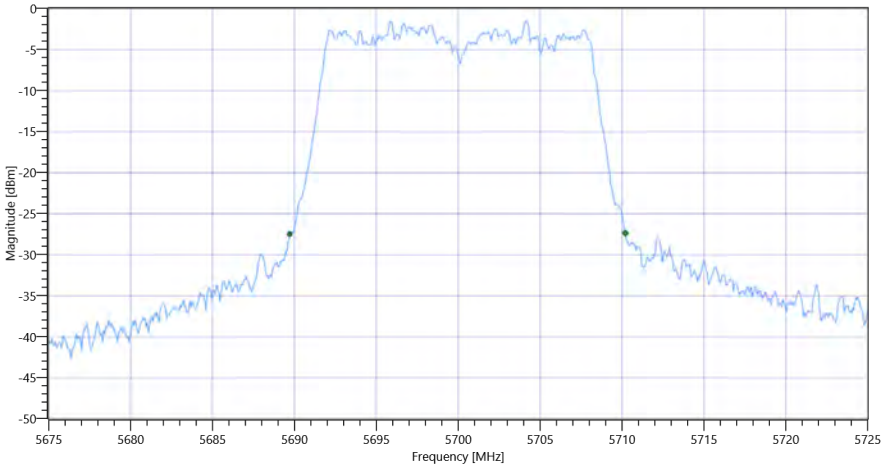
Plot: Bandwidth within Band



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

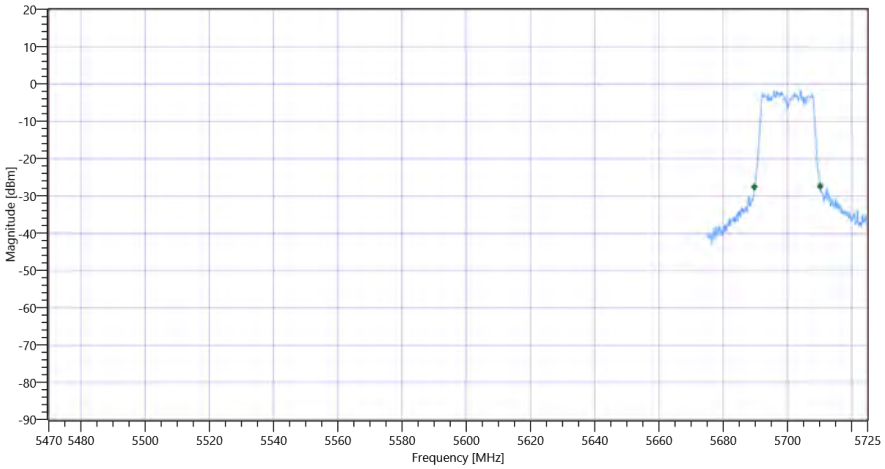
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.5	MHz	INFO
T1 26dB	5470.000000	---	5689.7000	MHz	PASS
T2 26dB	---	5725.000000	5710.2000	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 12:52:50
Ambit Temp [°C] | Humidity [rel%]	24.7 | 44
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_3
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 12:52:51
Message	set WLAN5Gx to a_mode_U_NII_3, Frequency [MHz] 5745 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 12:53:22
Ambit Temp [°C] | Humidity [rel%]	24.7 | 44
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

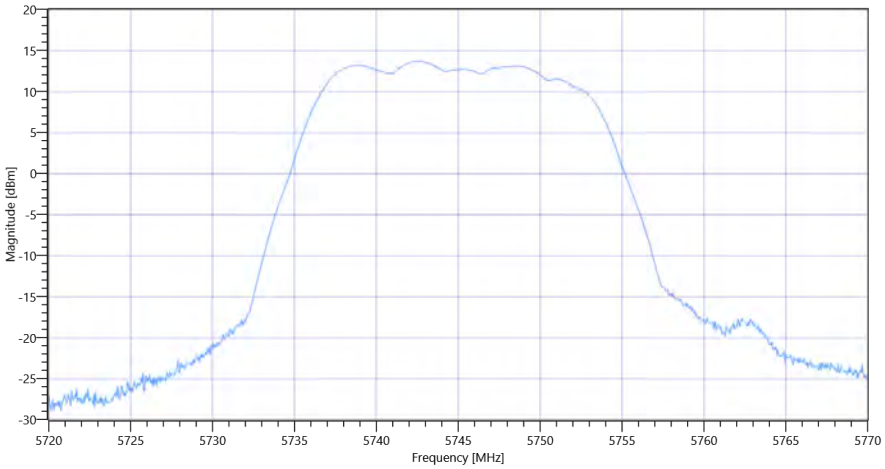
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5745 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.87	dBm	INFO
Ref. Frequency	---	---	5742.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.87 | 3.7 | 35
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	13.69	dBm	INFO
Peak Power	---	---	23.388372	mW	INFO
Frequency at Peak	---	---	5742.403	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 12:53:53
Ambit Temp [°C] | Humidity [rel%]	24.7 | 44
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

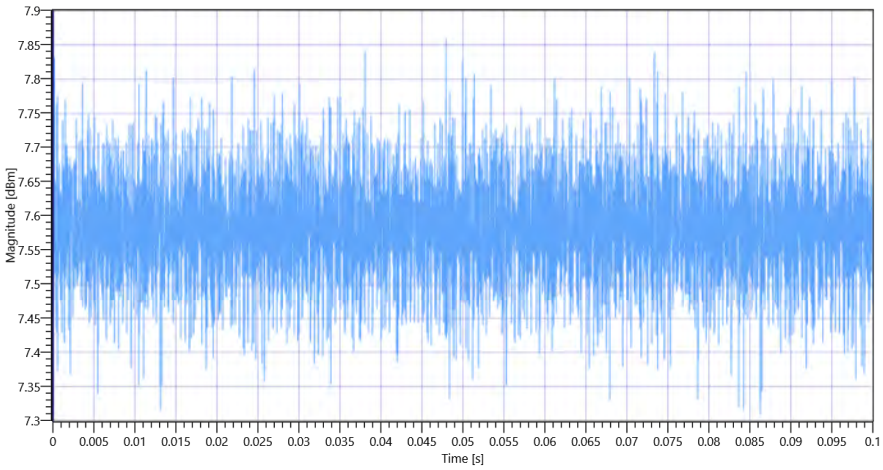
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5745 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.63	dBm	INFO
Ref. Frequency	---	---	5740.800	MHz	INFO

Evaluation max. Duty Cycle

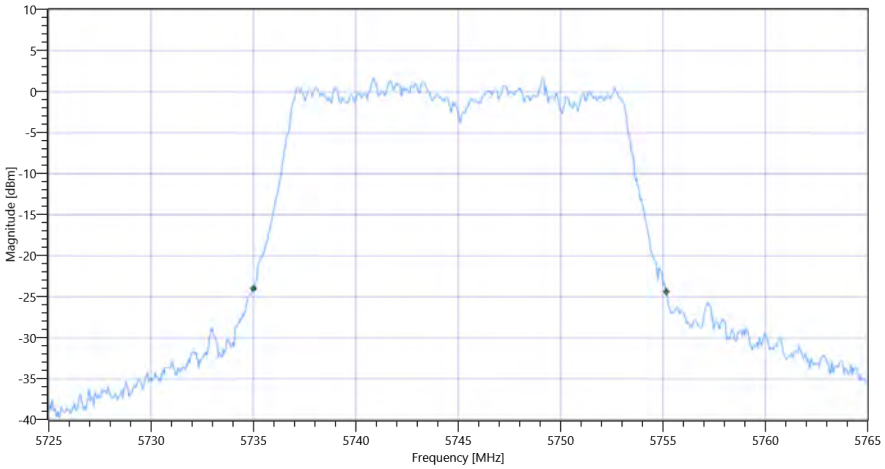
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5745 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.16	MHz	INFO
T1 26dB	---	---	5735.0000	MHz	INFO
T2 26dB	---	---	5755.1600	MHz	INFO

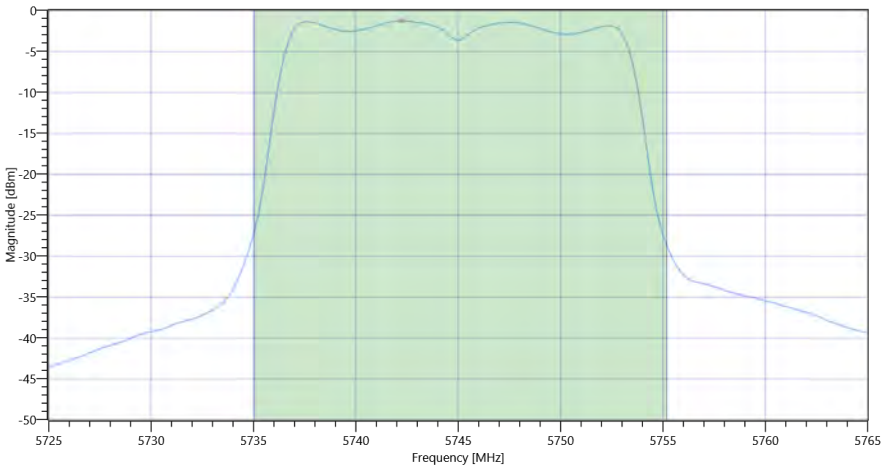


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.63 | 3.7 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
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	---	---	9.93	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.93	dBm	PASS
Limit: 11 dBm + 10 log 20.16					
Max Output Power DC corrected	---	24.04	9.93	dBm	na

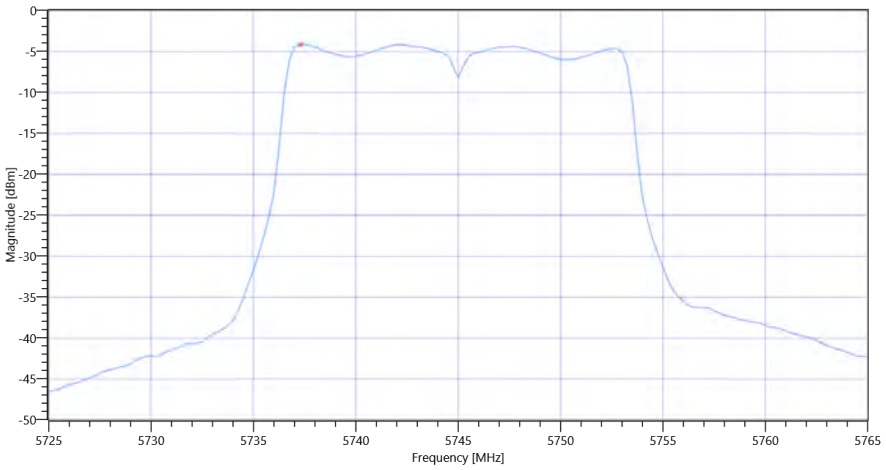


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.63 | 3.7 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
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	---	---	-4.15	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.15	dBm/0.5MHz	PASS



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

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 12:56:41
Ambit Temp [°C] | Humidity [rel%]	24.6 | 44
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

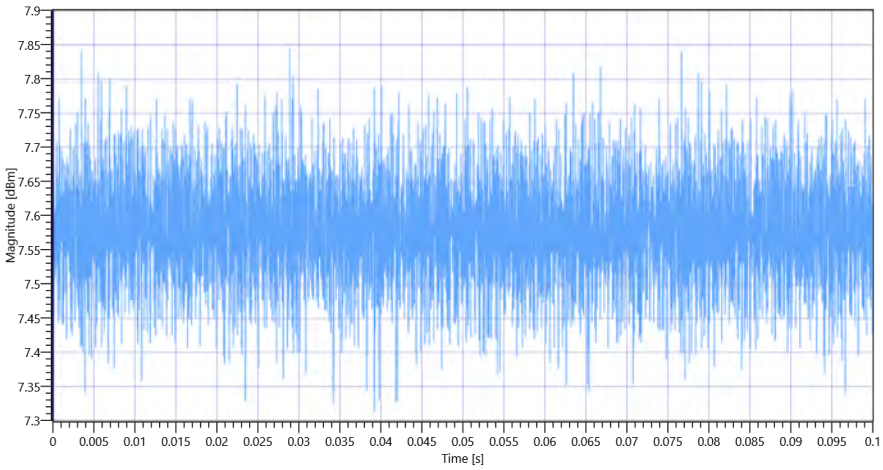
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5745 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.65	dBm	INFO
Ref. Frequency	---	---	5747.600	MHz	INFO

Evaluation max. Duty Cycle

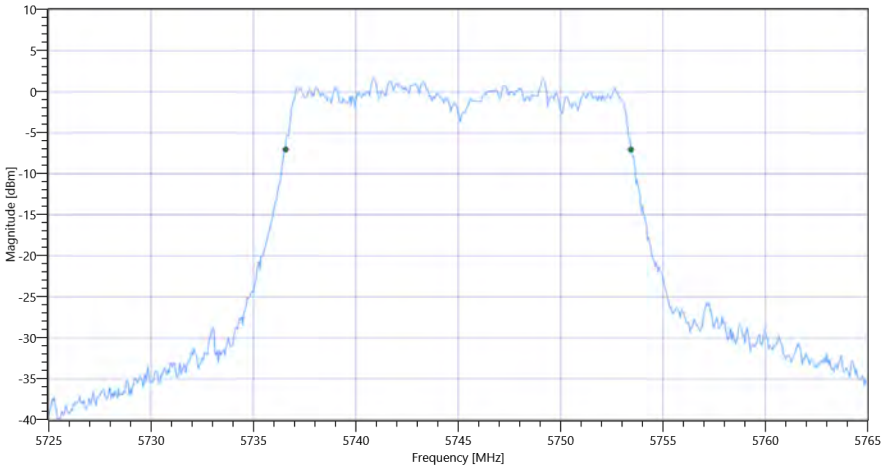
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5745 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.863	MHz	INFO
T1 99%	---	---	5736.5684	MHz	INFO
T2 99%	---	---	5753.4316	MHz	INFO

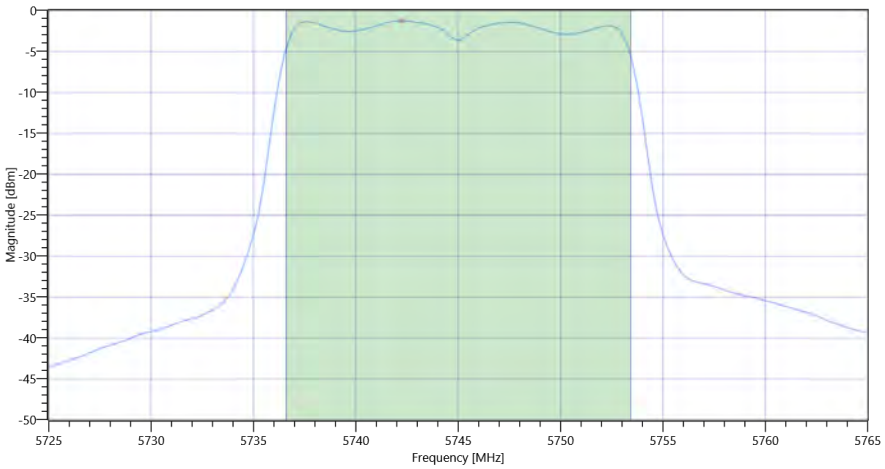


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.65 | 3.7 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
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	---	---	9.86	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.86	dBm	PASS
Limit: 11 dBm + 10 log 16.863					
Max Output Power DC corrected	---	23.27	9.86	dBm	na

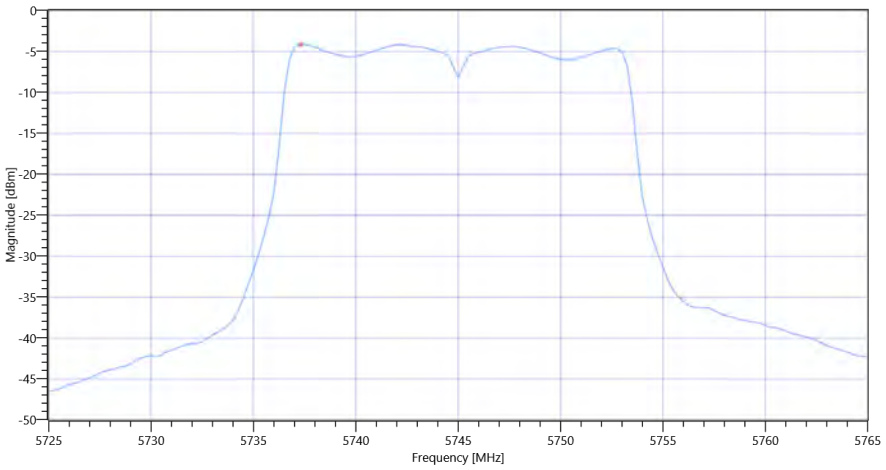


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.65 | 3.7 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
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	---	---	-4.15	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.15	dBm/0.5MHz	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 PSD UNII-3

General verdict	PASS

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

Test References	
TC Start	15.11.2022 12:59:28
Ambit Temp [°C] | Humidity [rel%]	24.4 | 45
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

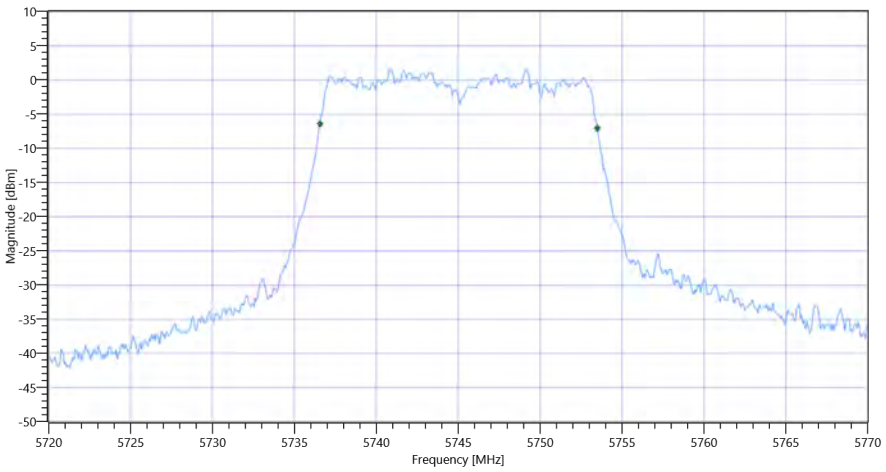
Test at TX 5745 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.65	dBm	INFO
Ref. Frequency	---	---	5747.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.65 | 3.7 | 30
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

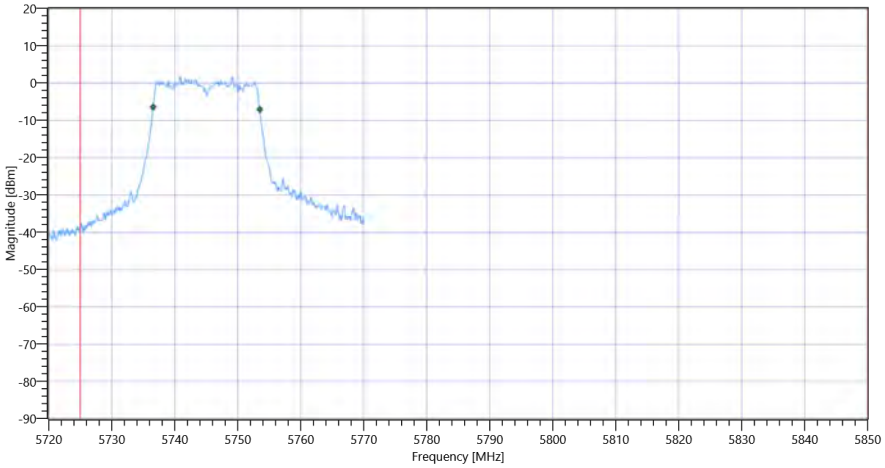
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.933	MHz	INFO
T1 99%	5725.000000	---	5736.5584	MHz	PASS
T2 99%	---	5850.000000	5753.4915	MHz	PASS

Plot: Bandwidth only



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

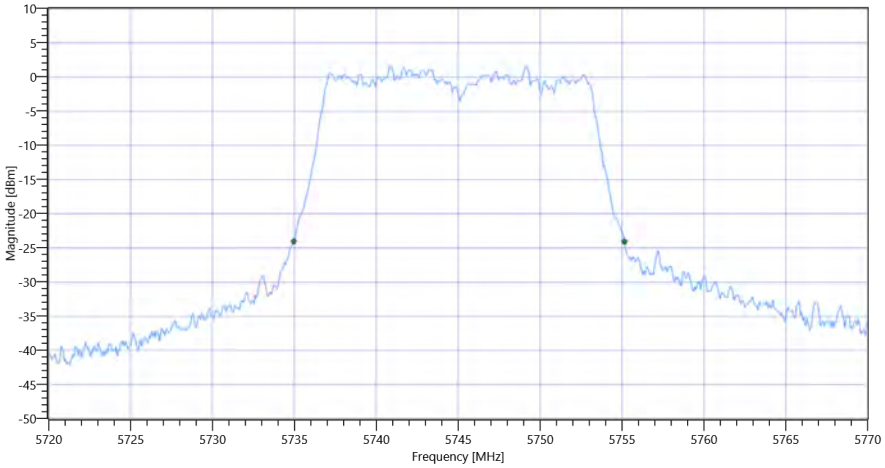
Plot: Bandwidth within Band



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

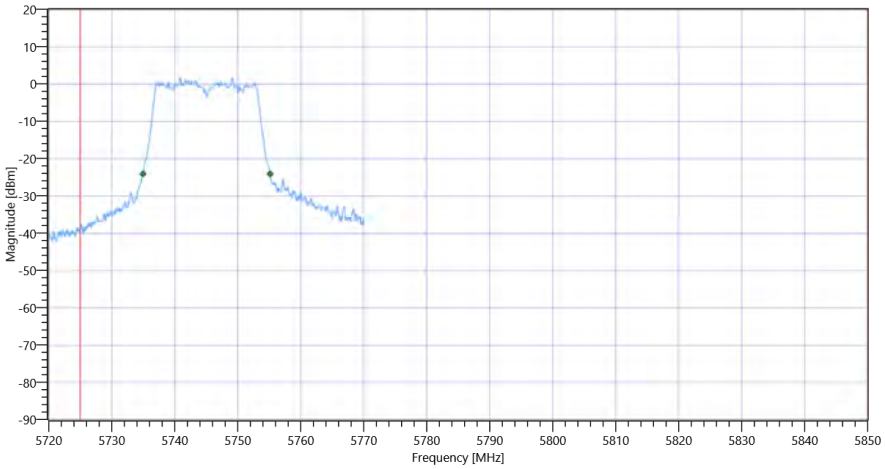
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	5725.000000	---	5734.9500	MHz	PASS
T2 26dB	---	5850.000000	5755.1500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:00:21
Ambit Temp [°C] | Humidity [rel%]	24.4 | 45
System Version	3.3.1.8
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

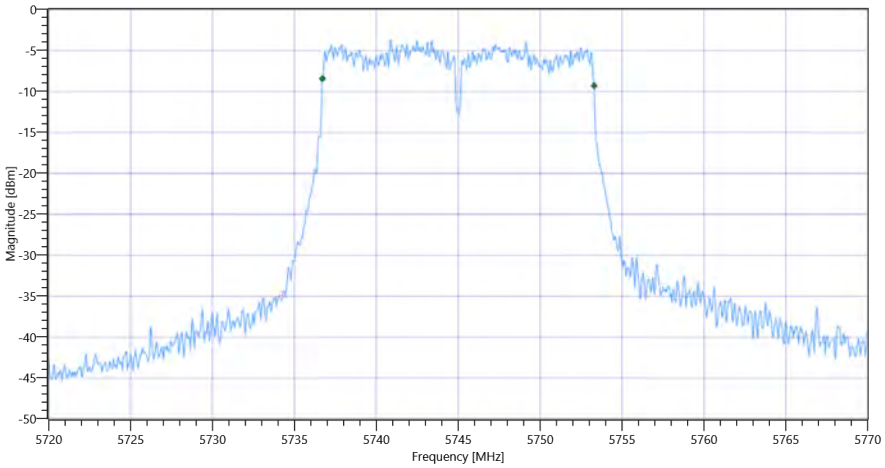
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5745 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.13	dBm	INFO
Ref. Frequency	---	---	5740.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.13 | 3.7 | 35
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	2 | 1500 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	16.6	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 13:01:10
Ambit Temp [°C] | Humidity [rel%]	24.3 | 45
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_3
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 13:01:12
Message	set WLAN5Gx to a_mode_U_NII_3, Frequency [MHz] 5785 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:02:01
Ambit Temp [°C] | Humidity [rel%]	24.3 | 45
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

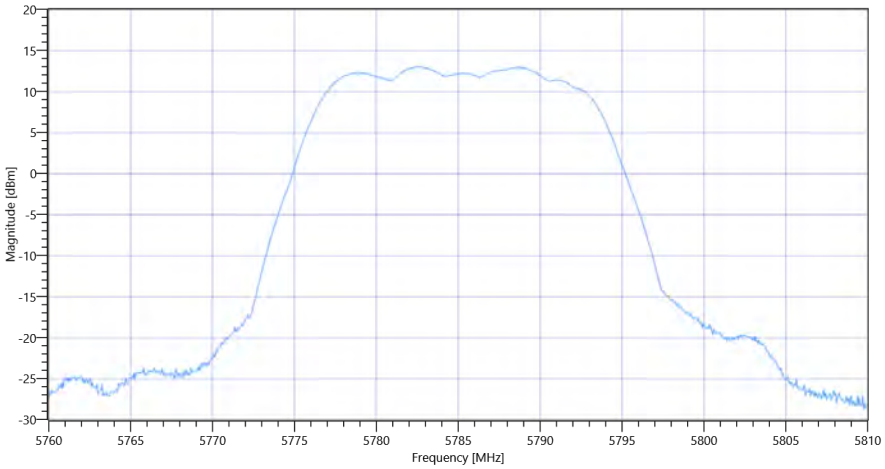
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5785 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.48	dBm	INFO
Ref. Frequency	---	---	5787.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.48 | 3.72 | 30
Start [MHz] | Stop [MHz]	5760.000 | 5810.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	13.01	dBm	INFO
Peak Power	---	---	19.998619	mW	INFO
Frequency at Peak	---	---	5782.552	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:02:32
Ambit Temp [°C] | Humidity [rel%]	24.3 | 45
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

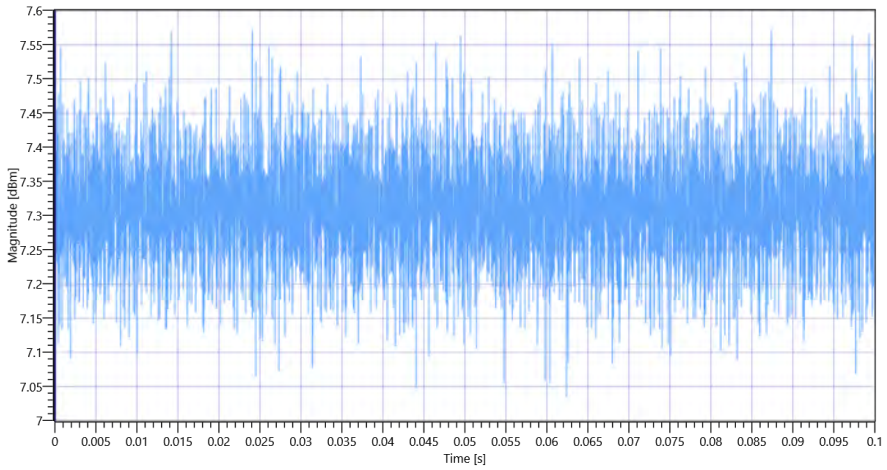
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5785 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.31	dBm	INFO
Ref. Frequency	---	---	5789.000	MHz	INFO

Evaluation max. Duty Cycle

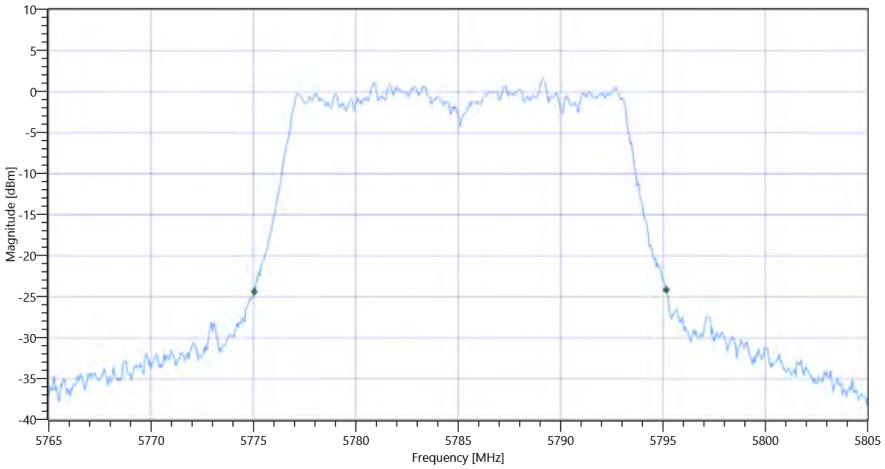
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5785 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.12	MHz	INFO
T1 26dB	---	---	5775.0400	MHz	INFO
T2 26dB	---	---	5795.1600	MHz	INFO

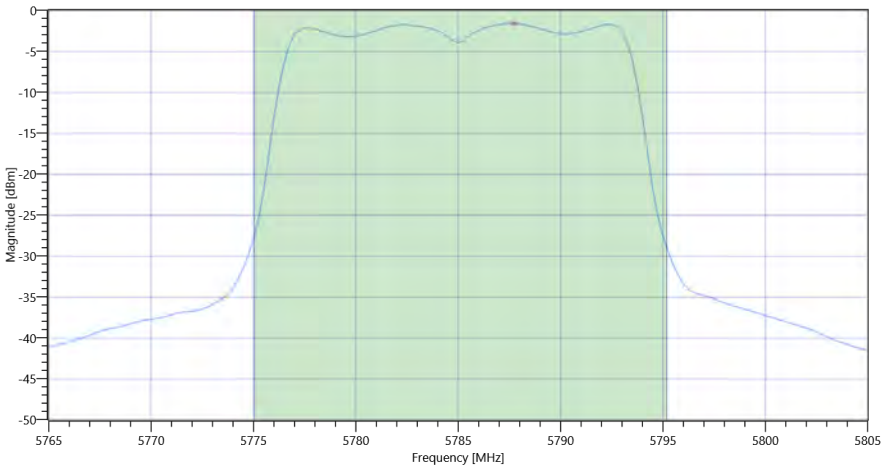


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.31 | 3.72 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
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	---	---	9.63	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.63	dBm	PASS
Limit: 11 dBm + 10 log 20.12					
Max Output Power DC corrected	---	24.04	9.63	dBm	na



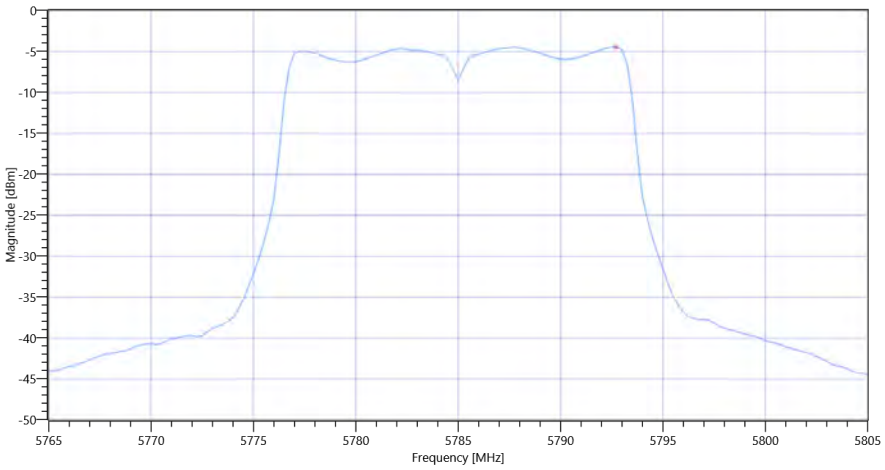
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.31 | 3.72 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
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	---	---	-4.47	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.47	dBm/0.5MHz	PASS



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

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:05:19
Ambit Temp [°C] | Humidity [rel%]	24.2 | 44
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

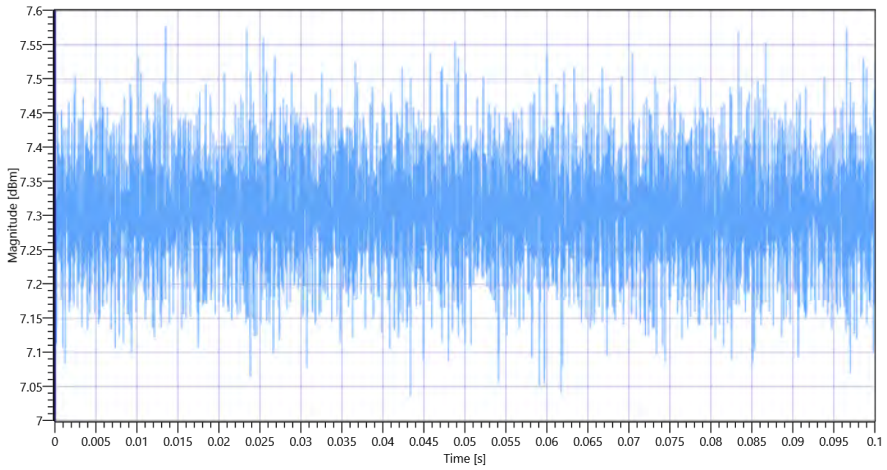
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5785 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.31	dBm	INFO
Ref. Frequency	---	---	5792.390	MHz	INFO

Evaluation max. Duty Cycle

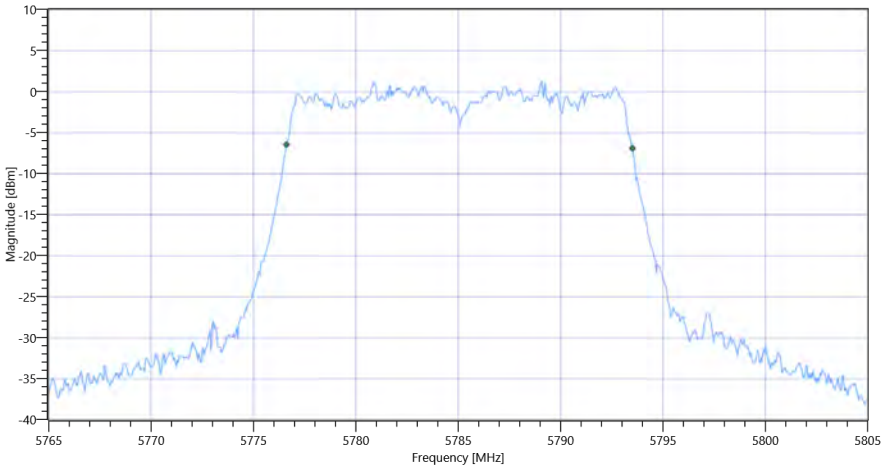
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5785 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.903	MHz	INFO
T1 99%	---	---	5776.6084	MHz	INFO
T2 99%	---	---	5793.5115	MHz	INFO

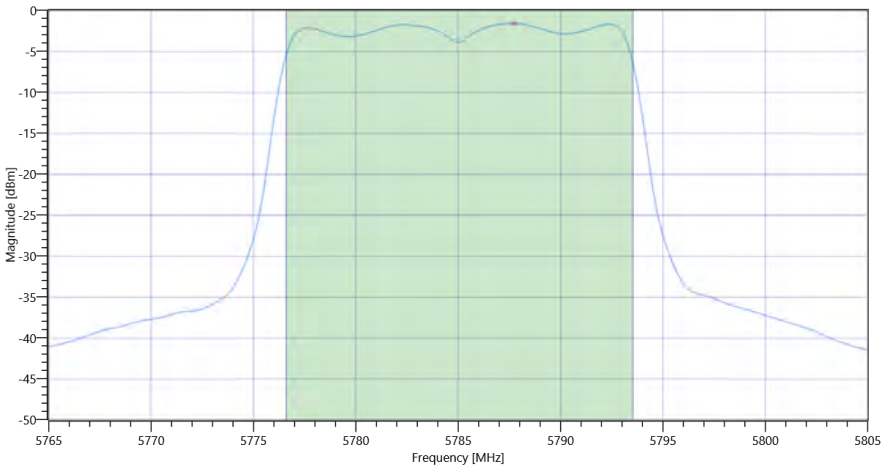


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.31 | 3.72 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
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	---	---	9.57	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.57	dBm	PASS
Limit: 11 dBm + 10 log 16.903					
Max Output Power DC corrected	---	23.28	9.57	dBm	na



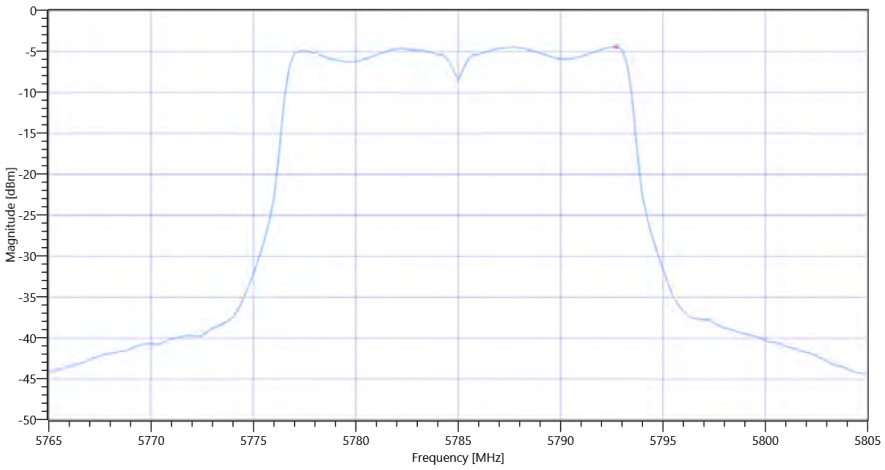
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.31 | 3.72 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
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	---	---	-4.45	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.45	dBm/0.5MHz	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 PSD UNII-3

General verdict	PASS

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

Test References	
TC Start	15.11.2022 13:08:07
Ambit Temp [°C] | Humidity [rel%]	24.2 | 43
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

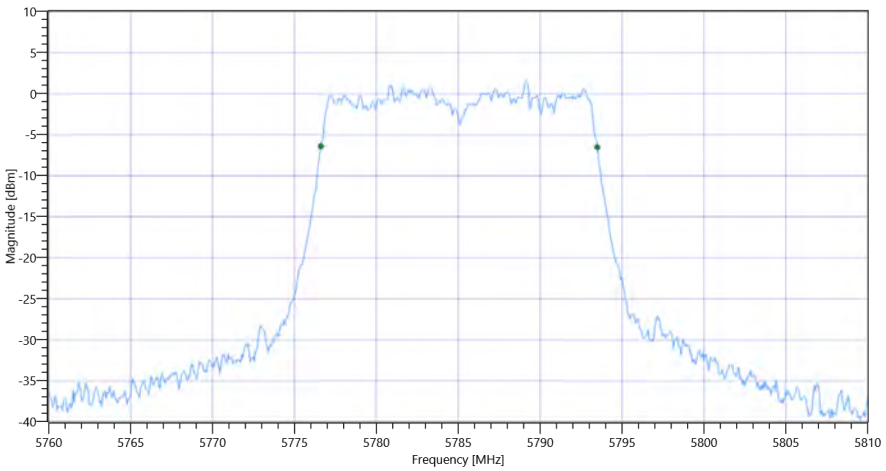
Test at TX 5785 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.25	dBm	INFO
Ref. Frequency	---	---	5787.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.25 | 3.72 | 30
Start [MHz] | Stop [MHz]	5760.000 | 5810.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

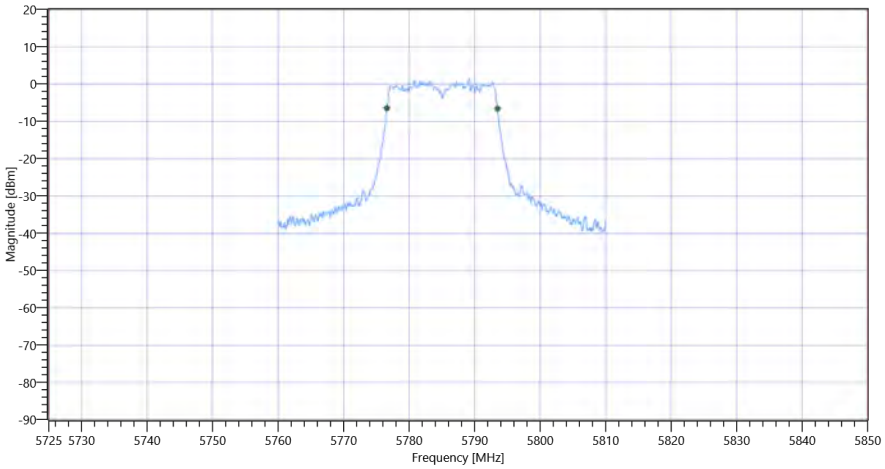
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.883	MHz	INFO
T1 99%	5725.000000	---	5776.6084	MHz	PASS
T2 99%	---	5850.000000	5793.4915	MHz	PASS

Plot: Bandwidth only



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

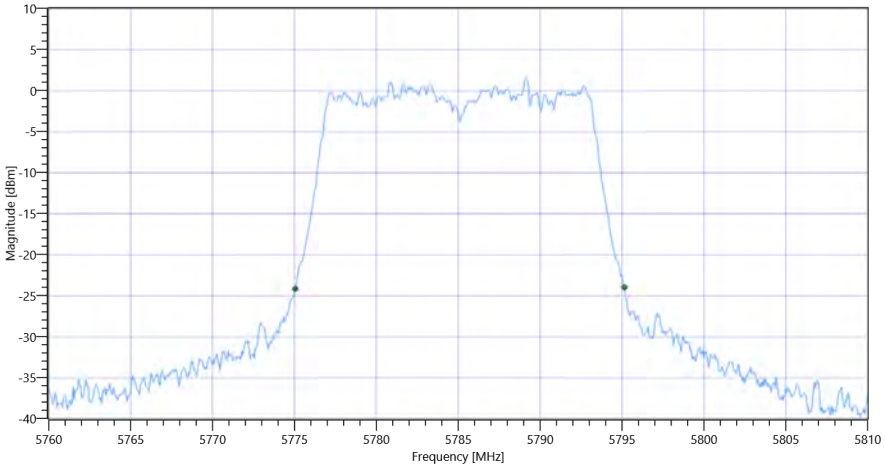
Plot: Bandwidth within Band



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

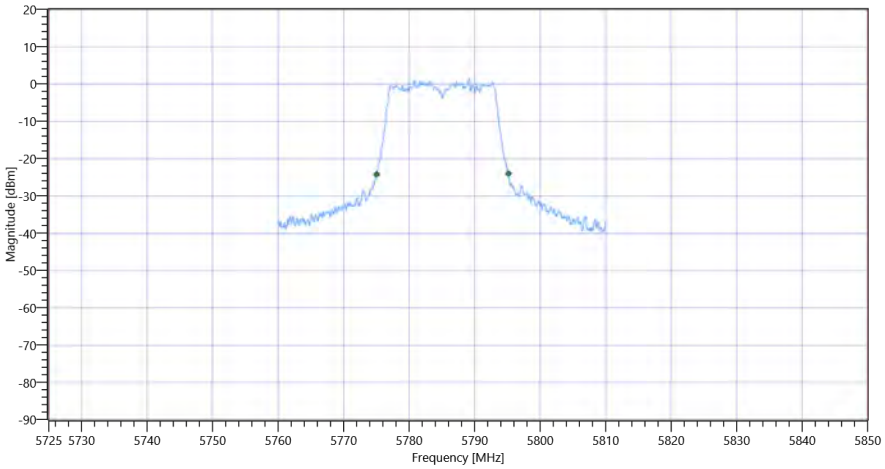
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.1	MHz	INFO
T1 26dB	5725.000000	---	5775.0500	MHz	PASS
T2 26dB	---	5850.000000	5795.1500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:09:01
Ambit Temp [°C] | Humidity [rel%]	24.2 | 43
System Version	3.3.1.8
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

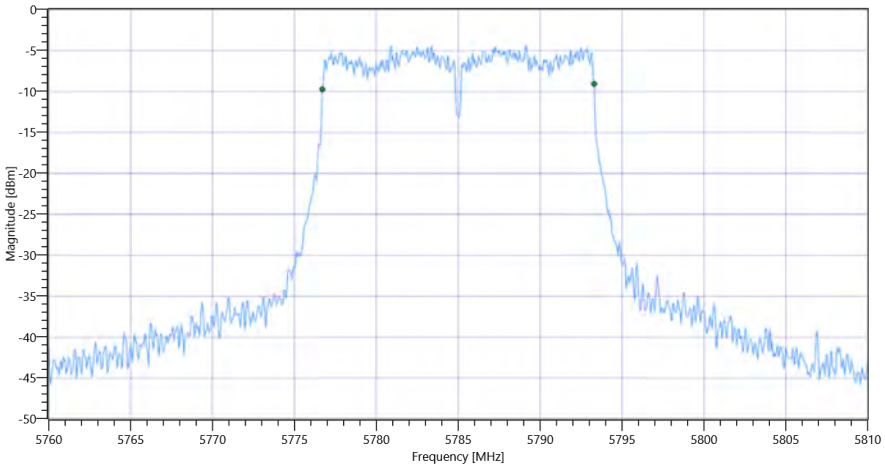
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5785 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.59	dBm	INFO
Ref. Frequency	---	---	5787.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.59 | 3.72 | 30
Start [MHz] | Stop [MHz]	5760.000 | 5810.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	2 | 1500 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	16.6	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 13:09:54
Ambit Temp [°C] | Humidity [rel%]	24.1 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan a_mode_U_NII_3
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 13:09:56
Message	set WLAN5Gx to a_mode_U_NII_3, Frequency [MHz] 5825

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:10:31
Ambit Temp [°C] | Humidity [rel%]	24.1 | 43
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

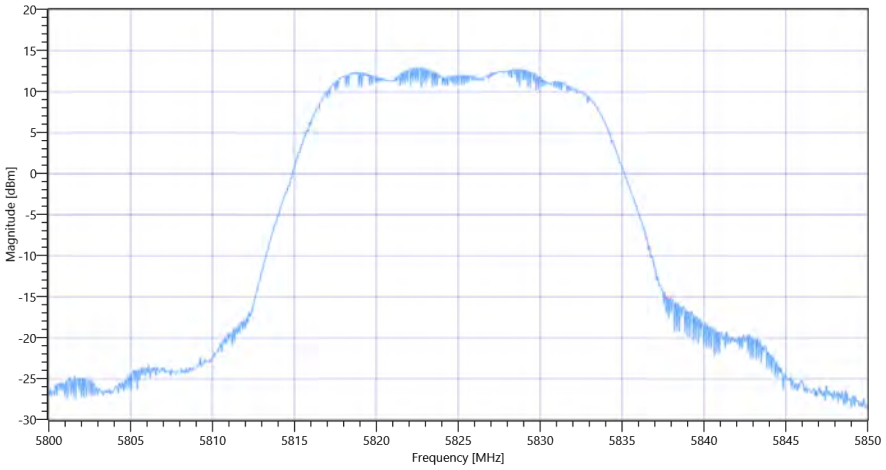
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.29	dBm	INFO
Ref. Frequency	---	---	5827.800	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.29 | 3.6 | 30
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	12.91	dBm	INFO
Peak Power	---	---	19.543395	mW	INFO
Frequency at Peak	---	---	5822.652	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:11:02
Ambit Temp [°C] | Humidity [rel%]	24.1 | 43
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

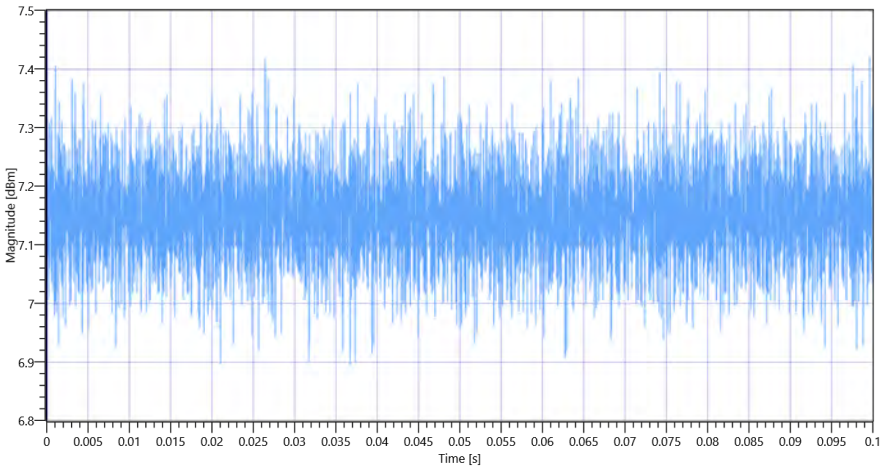
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.48	dBm	INFO
Ref. Frequency	---	---	5827.600	MHz	INFO

Evaluation max. Duty Cycle

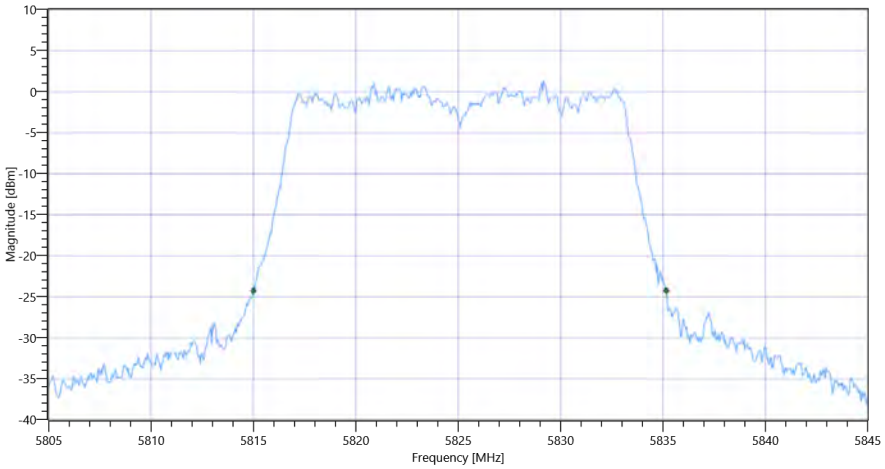
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5825 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.16	MHz	INFO
T1 26dB	---	---	5815.0000	MHz	INFO
T2 26dB	---	---	5835.1600	MHz	INFO

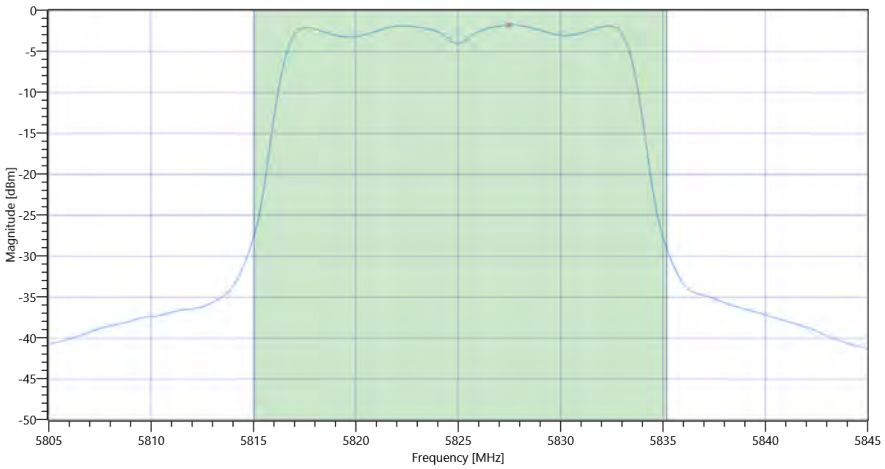


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.48 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	9.5	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.5	dBm	PASS
Limit: 11 dBm + 10 log 20.16					
Max Output Power DC corrected	---	24.04	9.5	dBm	na

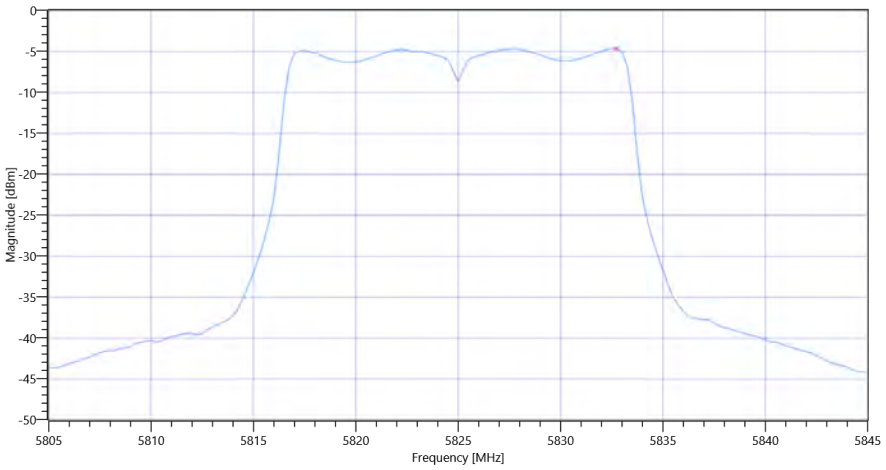


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.48 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	-4.66	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.66	dBm/0.5MHz	PASS



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

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:13:50
Ambit Temp [°C] | Humidity [rel%]	24.0 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

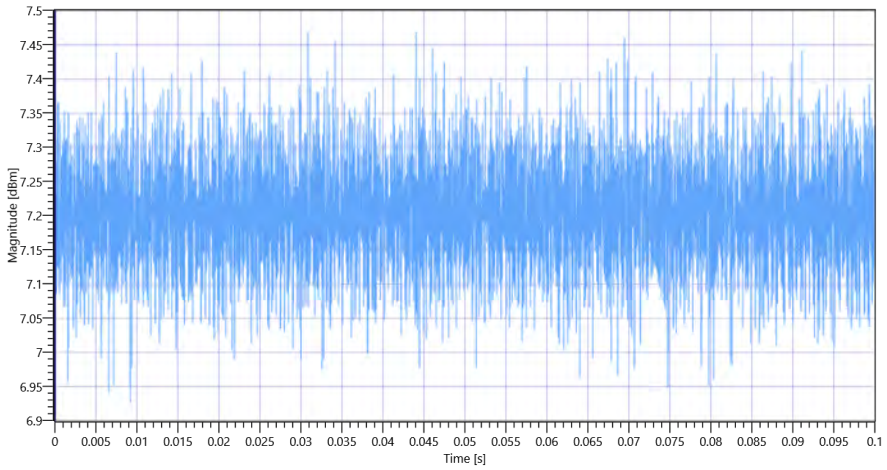
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.63	dBm	INFO
Ref. Frequency	---	---	5820.800	MHz	INFO

Evaluation max. Duty Cycle

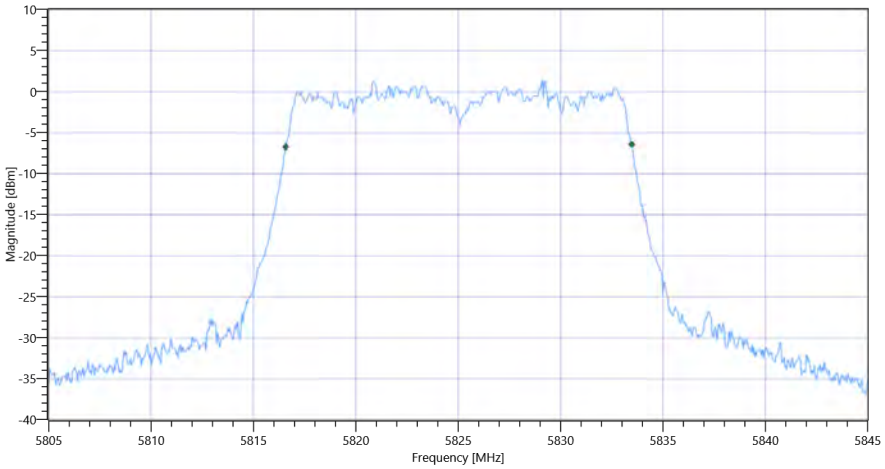
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 5825 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.903	MHz	INFO
T1 99%	---	---	5816.5684	MHz	INFO
T2 99%	---	---	5833.4715	MHz	INFO

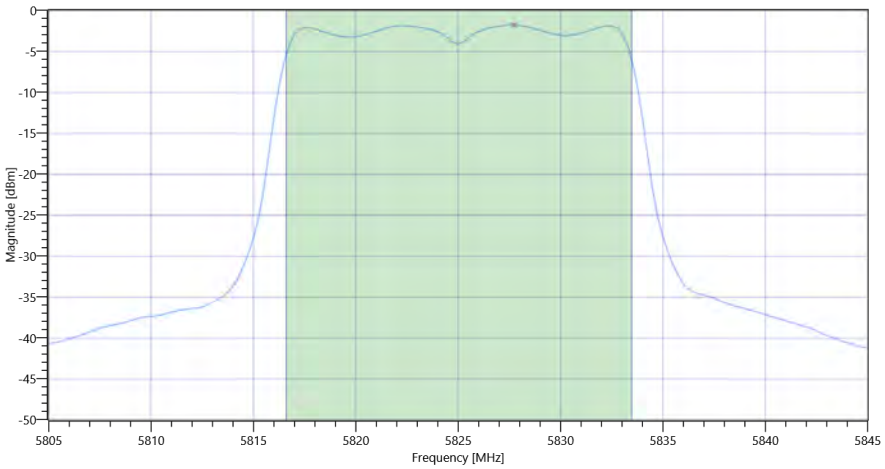


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.63 | 3.6 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	9.43	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	30	9.43	dBm	PASS
Limit: 11 dBm + 10 log 16.903					
Max Output Power DC corrected	---	23.28	9.43	dBm	na

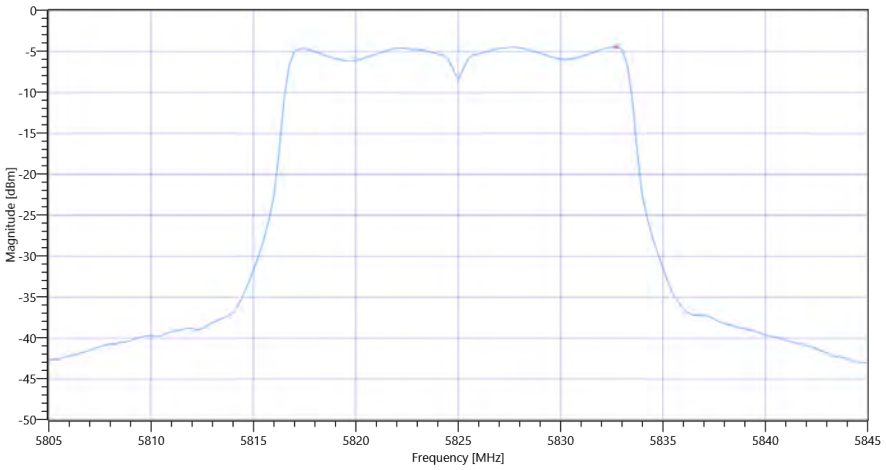


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.63 | 3.6 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
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	---	---	-4.45	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.45	dBm/0.5MHz	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 PSD UNII-3

General verdict	PASS

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

Test References	
TC Start	15.11.2022 13:16:38
Ambit Temp [°C] | Humidity [rel%]	23.9 | 43
System Version	3.3.1.8
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 a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

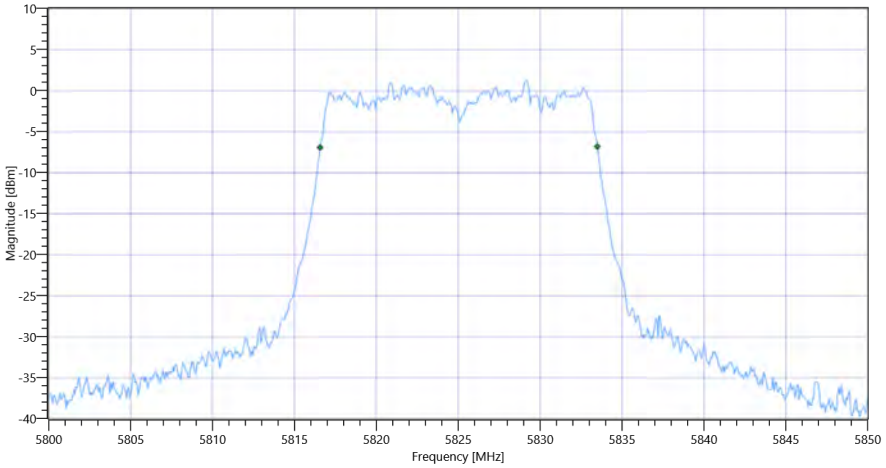
Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.50	dBm	INFO
Ref. Frequency	---	---	5827.600	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.50 | 3.6 | 30
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	1 | 2500 | 1001 | SWE

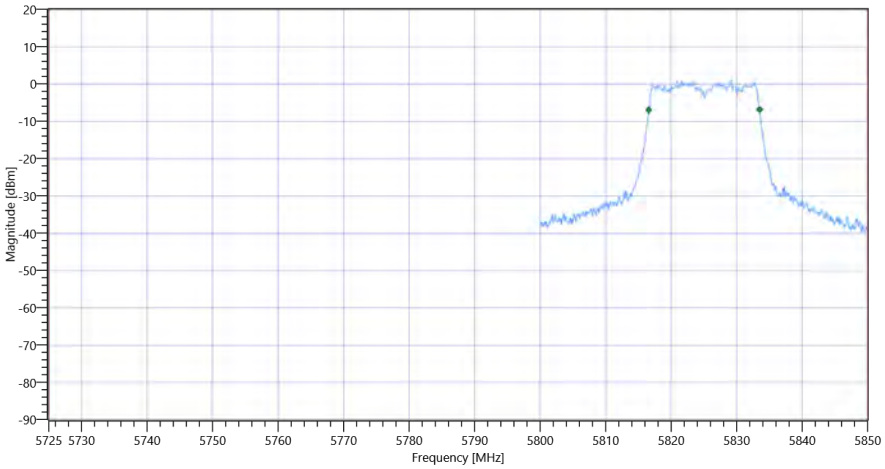
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.933	MHz	INFO
T1 99%	5725.000000	---	5816.5584	MHz	PASS
T2 99%	---	5850.000000	5833.4915	MHz	PASS

Plot: Bandwidth only



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

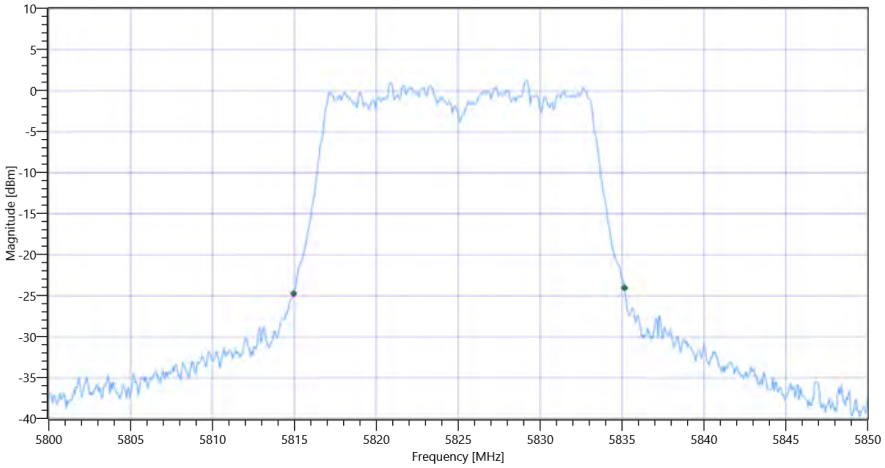
Plot: Bandwidth within Band



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

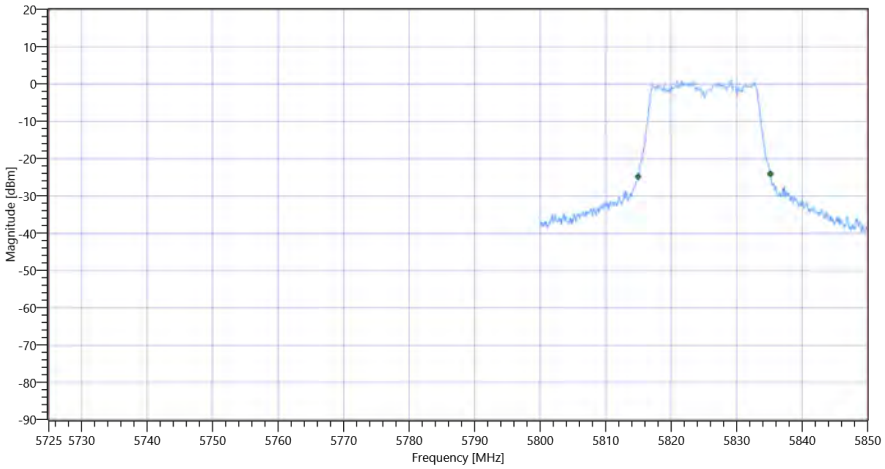
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	5725.000000	---	5814.9500	MHz	PASS
T2 26dB	---	5850.000000	5835.1500	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

General verdict	PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

Test References	
TC Start	15.11.2022 13:17:38
Ambit Temp [°C] | Humidity [rel%]	23.9 | 43
System Version	3.3.1.8
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx a mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
Auto Control enabled Power Supply | Climatic Box	No | No
Additional Path Loss [dB]	0
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

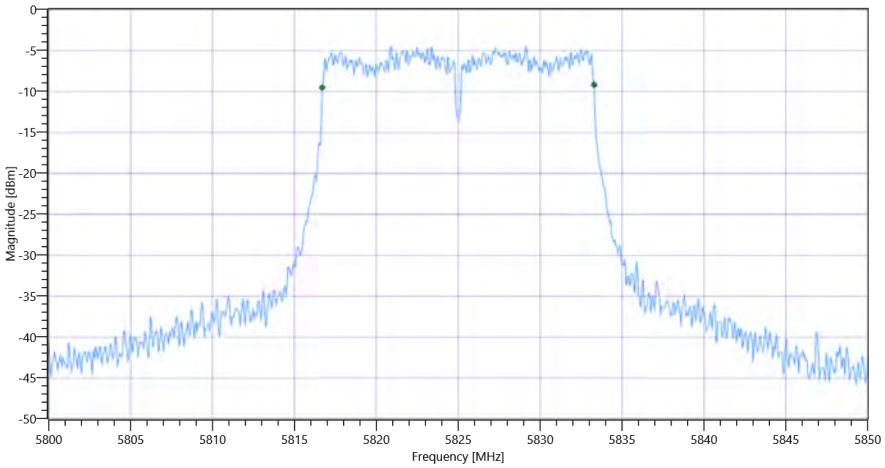
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5825 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.26	dBm	INFO
Ref. Frequency	---	---	5822.400	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.26 | 3.6 | 30
Start [MHz] | Stop [MHz]	5800.000 | 5850.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	2 | 1500 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	16.6	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 13:21:15
Ambit Temp [°C] | Humidity [rel%]	23.7 | 43
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_1
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 13:21:16
Message	set WLAN5Gx to n_HT40_U_NII_1, Frequency [MHz] 5190 ,

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	15.11.2022 13:21:30
Ambit Temp [°C] | Humidity [rel%]	23.7 | 43
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode
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
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

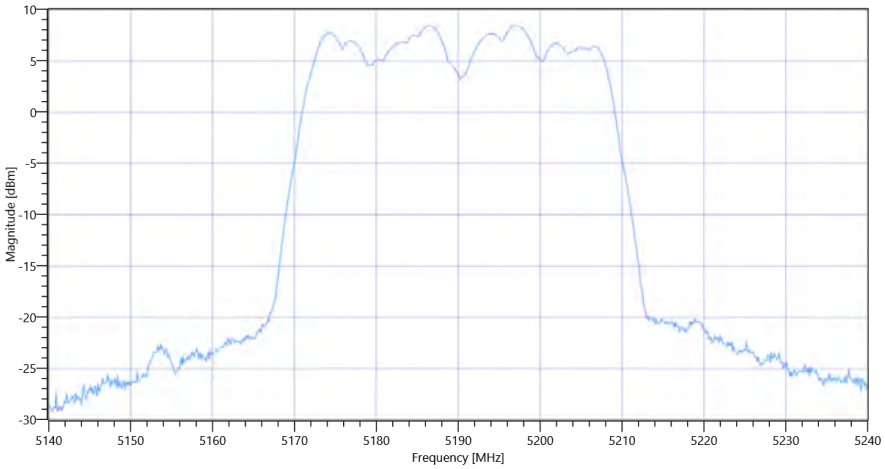
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.61	dBm	INFO
Ref. Frequency	---	---	5204.990	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.61 | 3.39 | 30
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	3.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	300 | 20 | 1001 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.44	dBm	INFO
Peak Power	---	---	6.982324	mW	INFO
Frequency at Peak	---	---	5186.5	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-1

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	15.11.2022 13:22:00
Ambit Temp [°C] | Humidity [rel%]	23.7 | 43
System Version	3.3.1.8
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 n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode
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
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

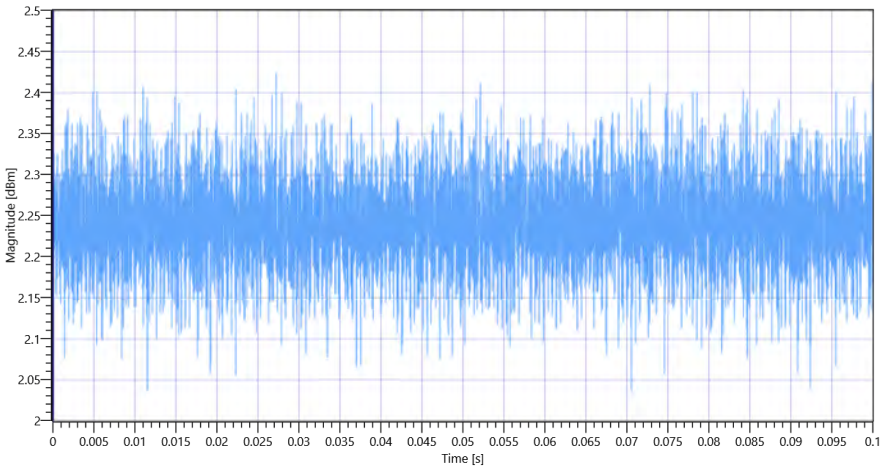
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.62	dBm	INFO
Ref. Frequency	---	---	5204.190	MHz	INFO

Evaluation max. Duty Cycle

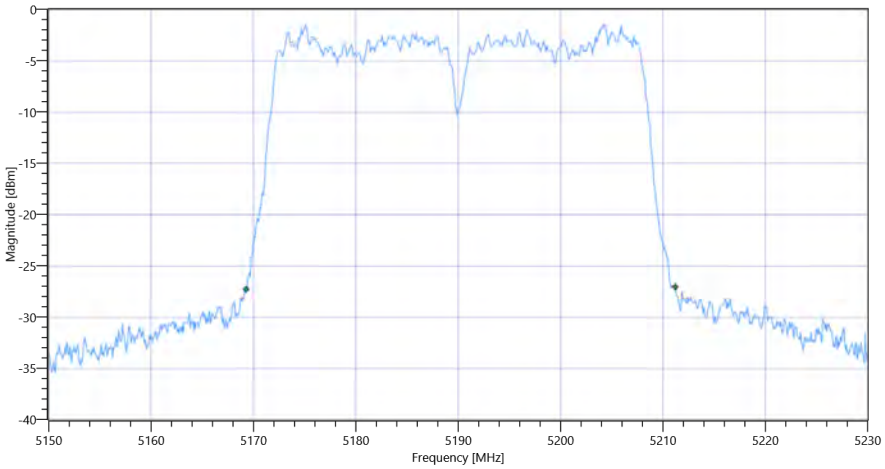
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1 5190 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.92	MHz	INFO
T1 26dB	---	---	5169.2800	MHz	INFO
T2 26dB	---	---	5211.2000	MHz	INFO

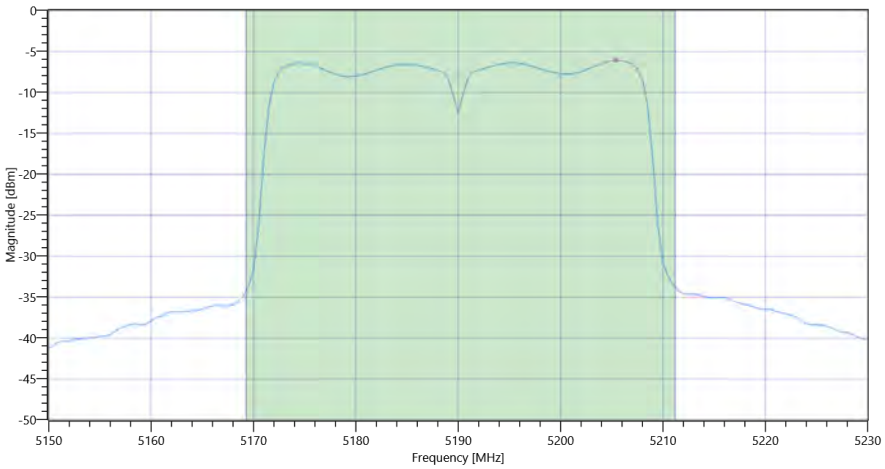


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.62 | 3.39 | 25
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	---	---	8.22	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	8.22	dBm	PASS
Limit: 11 dBm + 10 log 41.92					
Max Output Power DC corrected	---	27.22	8.22	dBm	na



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.07	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-6.07	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	15.11.2022 13:23:42
Ambit Temp [°C] | Humidity [rel%]	23.7 | 43
System Version	3.3.1.8
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode
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
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

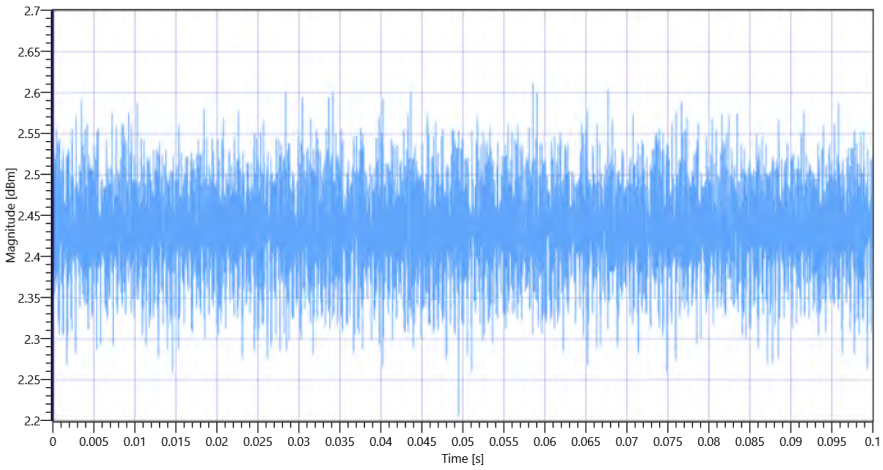
Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.24	dBm	INFO
Ref. Frequency	---	---	5205.380	MHz	INFO

Evaluation max. Duty Cycle

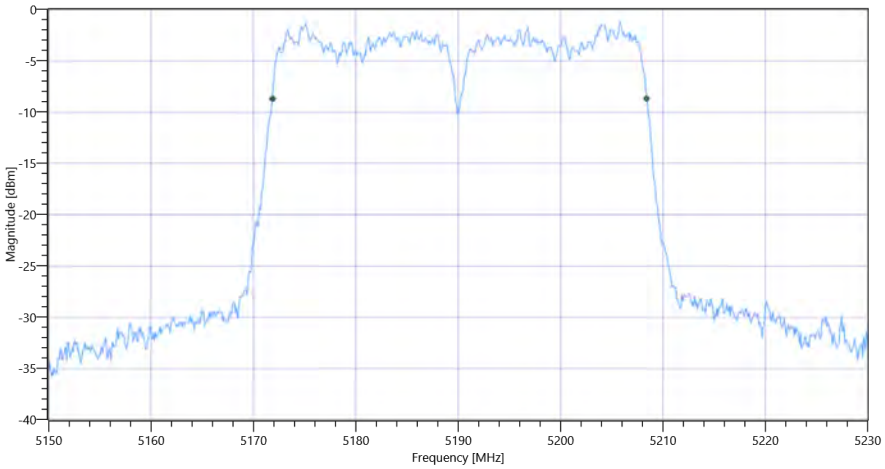
Duty Cycle evaluation					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
No enough Bursts detected, Duty Cycle Burst Ratio set to 1					
Duty Cycle (Burst Ratio) max	---	---	1	---	INFO
Duty Cycle max	---	---	0	dB	INFO
Duty Cycle (Burst Ratio) min	---	---	1	---	INFO
Duty Cycle min	---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



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1 5190 MHz - DutyCycle

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.523	MHz	INFO
T1 99%	---	---	5171.8581	MHz	INFO
T2 99%	---	---	5208.3816	MHz	INFO

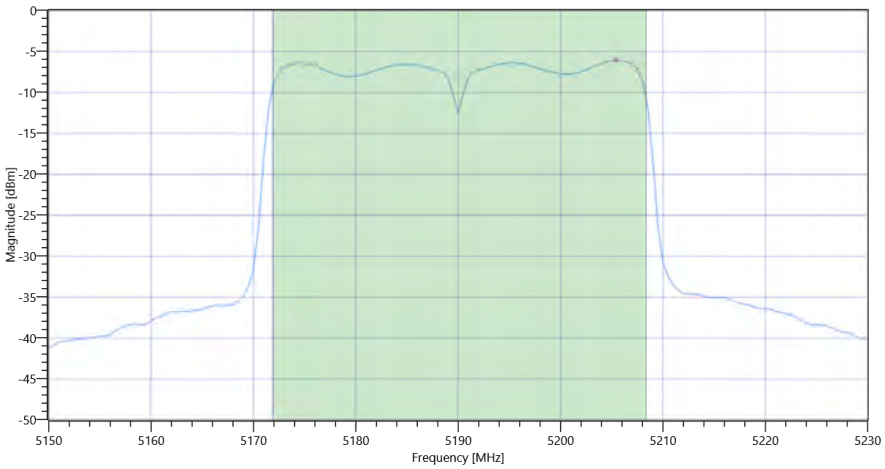


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.24 | 3.39 | 25
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	---	---	8.18	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	8.18	dBm	na
Limit: 11 dBm + 10 log 36.523					
Max Output Power DC corrected	---	26.63	8.18	dBm	na



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-6.07	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-6.07	dBm/1MHz	PASS

General verdict	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	15.11.2022 13:25:24
Ambit Temp [°C] | Humidity [rel%]	23.7 | 43
System Version	3.3.1.8
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 n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode
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
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

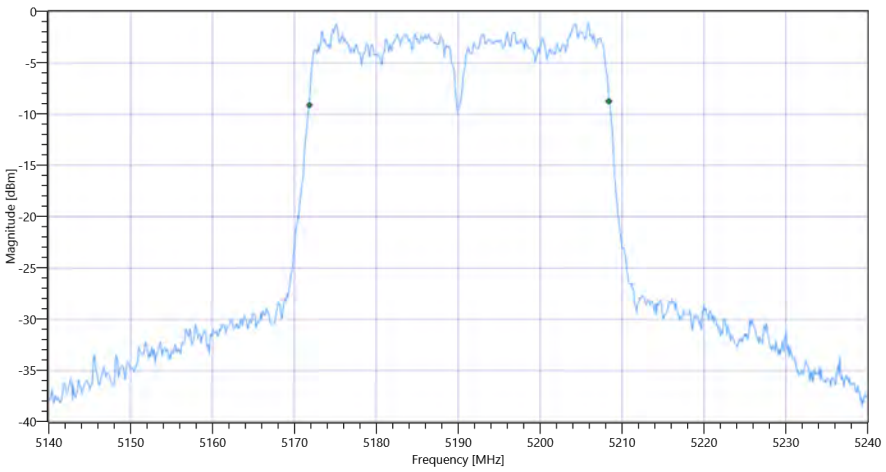
Test at TX 5190 MHz

RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.34	dBm	INFO
Ref. Frequency	---	---	5205.980	MHz	INFO

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	9.34 | 3.39 | 25
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

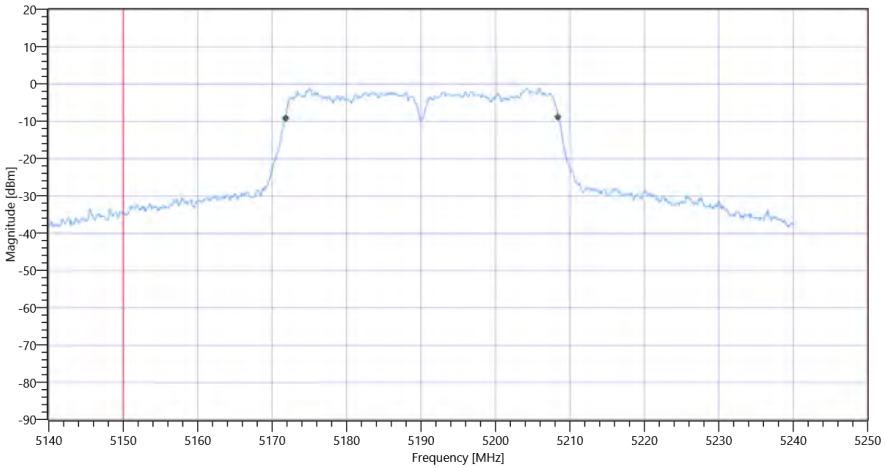
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.563	MHz	INFO
T1 99%	5150.000000	---	5171.8182	MHz	PASS
T2 99%	---	5250.000000	5208.3816	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1 99PCT

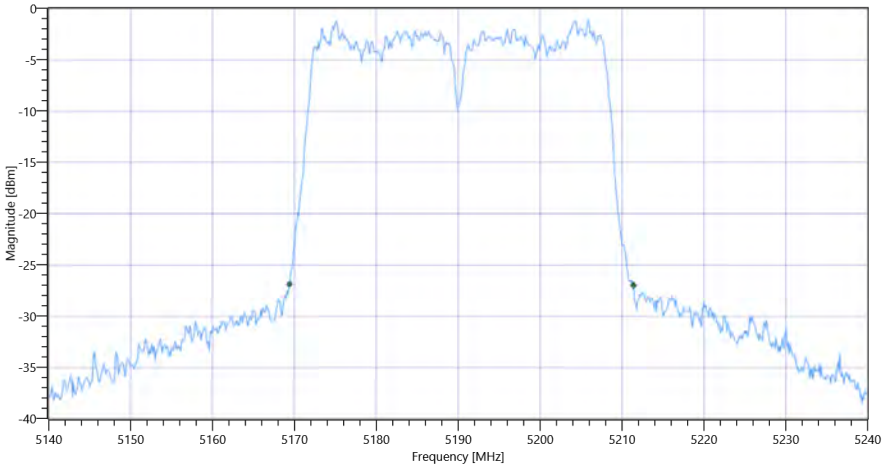
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1

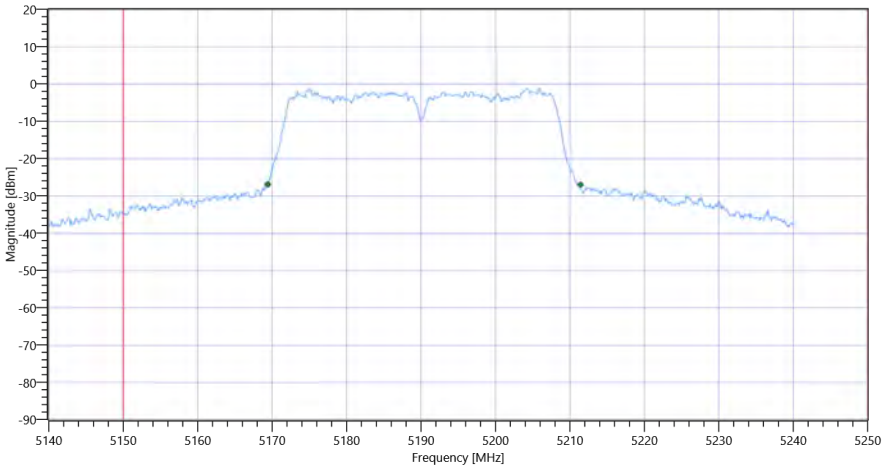
RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	42	MHz	INFO
T1 26dB	5150.000000	---	5169.4000	MHz	PASS
T2 26dB	---	5250.000000	5211.4000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1

General verdict	PASS

Message with SA scan ~

Test References	
TC Start	15.11.2022 13:26:15
Ambit Temp [°C] | Humidity [rel%]	23.6 | 42
System Version	3.3.1.8
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_1
Add. Information	

Test Parameter	
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	15.11.2022 13:26:16
Message	set WLAN5Gx to n_HT40_U_NII_1, Frequency [MHz] 5230

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23

General verdict	INFO

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-1

Test References	
TC Start	15.11.2022 13:28:36
Ambit Temp [°C] | Humidity [rel%]	23.6 | 42
System Version	3.3.1.8
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx	
Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter	
Technology to test	WLAN5Gx n-HT40 mode
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
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,Rohde&Schwarz,OSP-B157W8PLUS,1527.1144.05 / 100837,2.10.0.23