Test at TX 5230 MHz

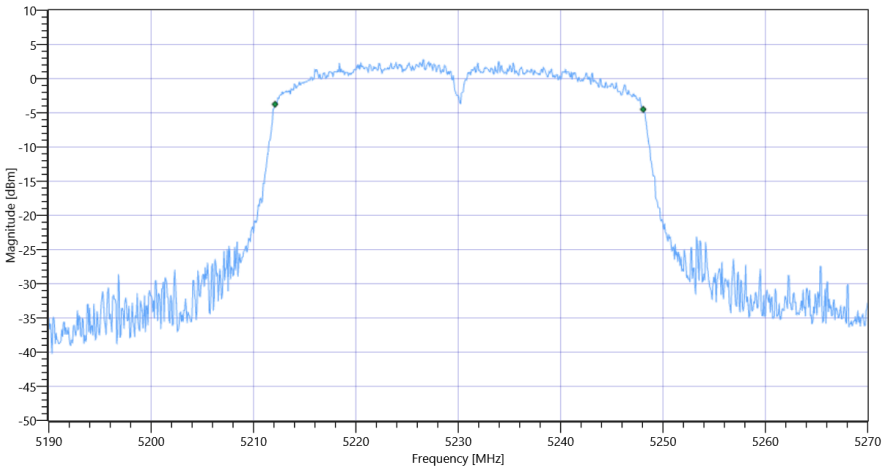
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.34	dBm	INFO
Ref. Frequency	---	---	5221.410	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	---	---	5212.0979	MHz	INFO
T2 99%	---	---	5248.0619	MHz	INFO



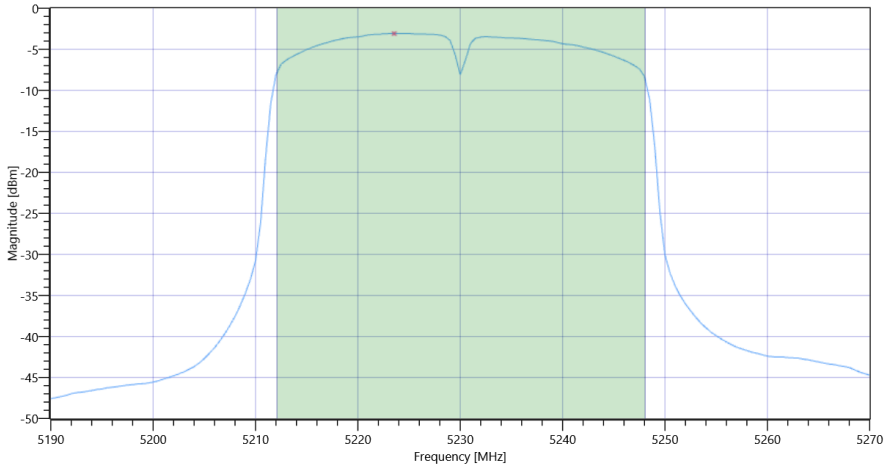
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.34 | 11.51 | 20
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	11.04	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.04	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	26.56	11.04	dBm	not applicable



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	---	---	-3.08	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.08	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 15:57:05
Ambit Temp [°C] | Humidity [rel%]	29.3 | 34
System Version	3.3.0.1
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	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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5230 MHz

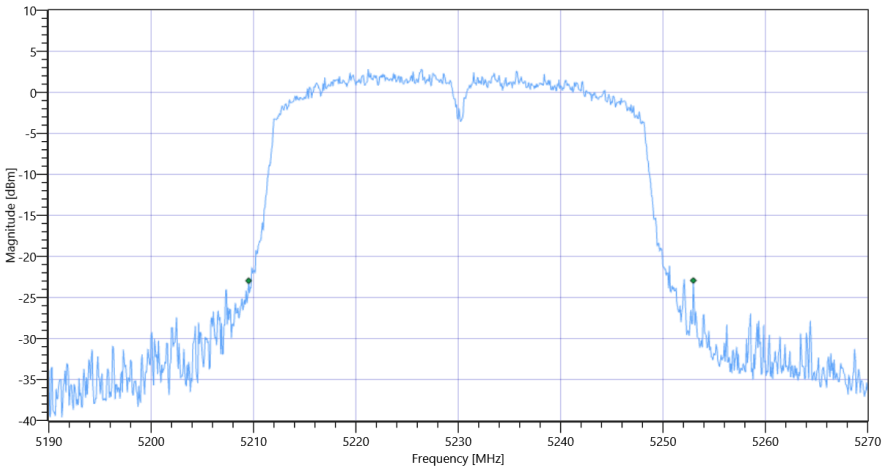
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.27	dBm	INFO
Ref. Frequency	---	---	5224.010	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	43.44	MHz	INFO
T1 26dB	---	---	5209.5200	MHz	INFO
T2 26dB	---	---	5252.9600	MHz	INFO



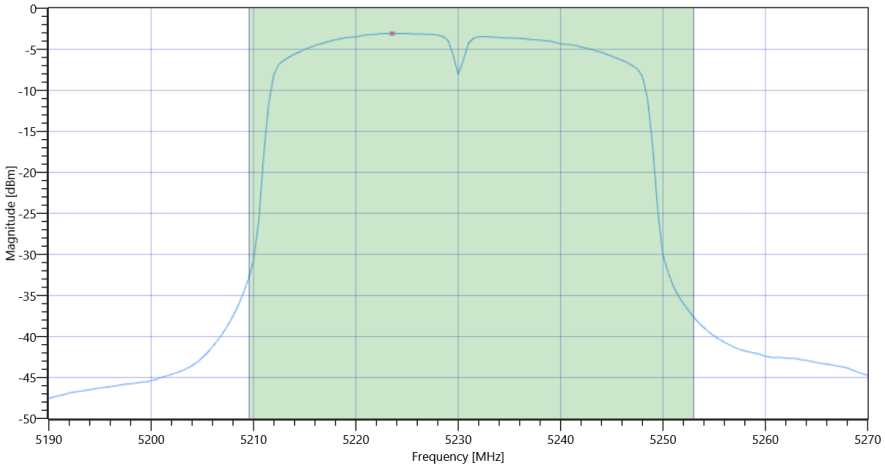
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.27 | 11.51 | 20
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: Time [ms] | Count | Points per Section | Type	53700 | 1 | 161 | SWE

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	11.09	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.09	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	27.38	11.09	dBm	not applicable



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	---	---	-3.08	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.08	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 15:45:11
Ambit Temp [°C] | Humidity [rel%]	29.3 | 35
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5825 MHz

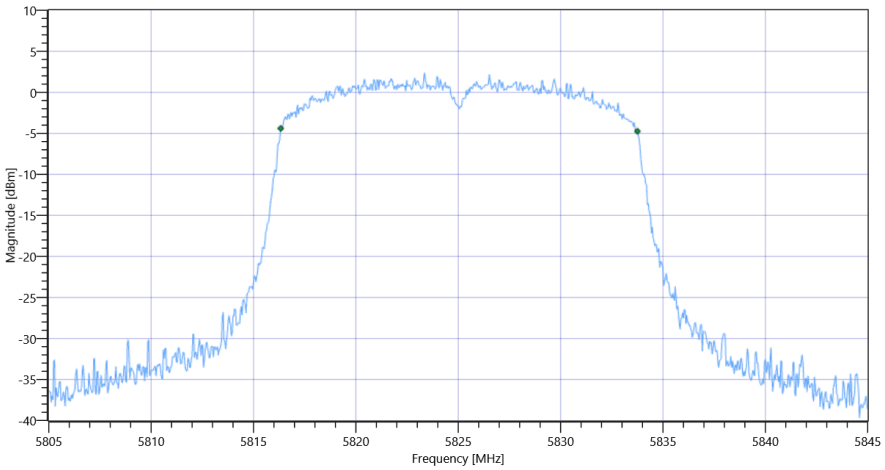
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.20	dBm	INFO
Ref. Frequency	---	---	5826.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5816.3287	MHz	INFO
T2 99%	---	---	5833.7512	MHz	INFO



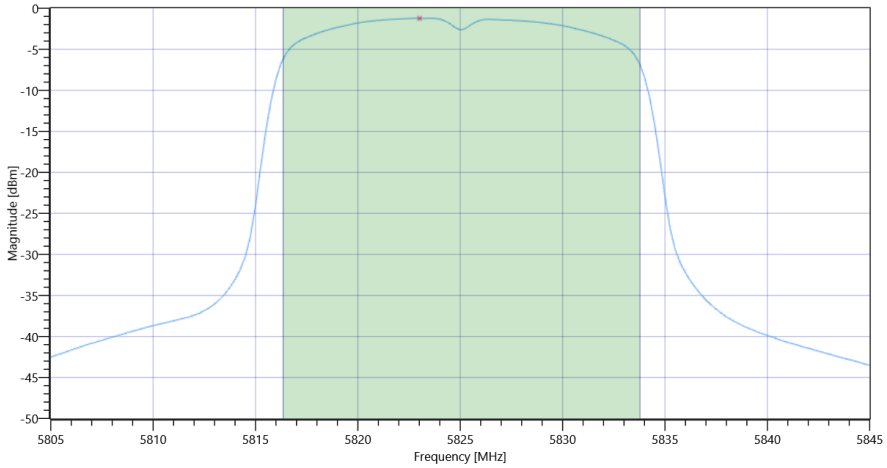
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.20 | 11.58 | 25
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	---	---	9.9	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.9	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	9.9	dBm	not applicable

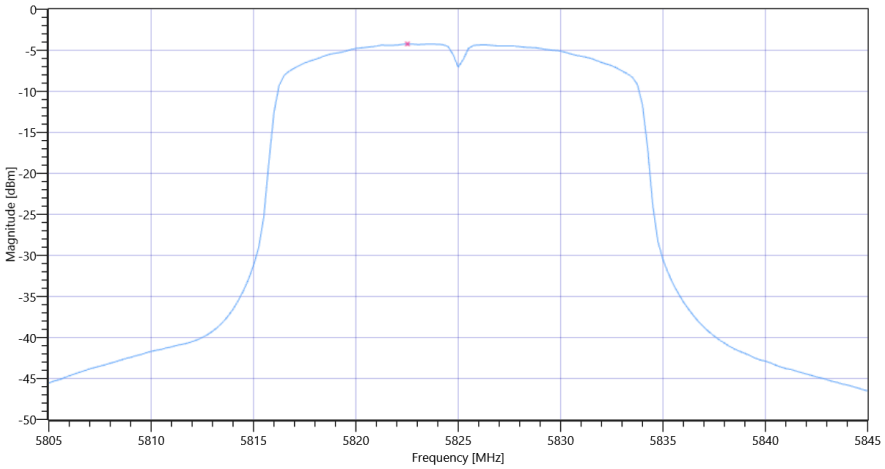


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.20 | 11.58 | 25
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	---	---	-4.23	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.23	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 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	02.08.2022 15:42:28
Ambit Temp [°C] | Humidity [rel%]	29.3 | 35
System Version	3.3.0.1
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-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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5825 MHz

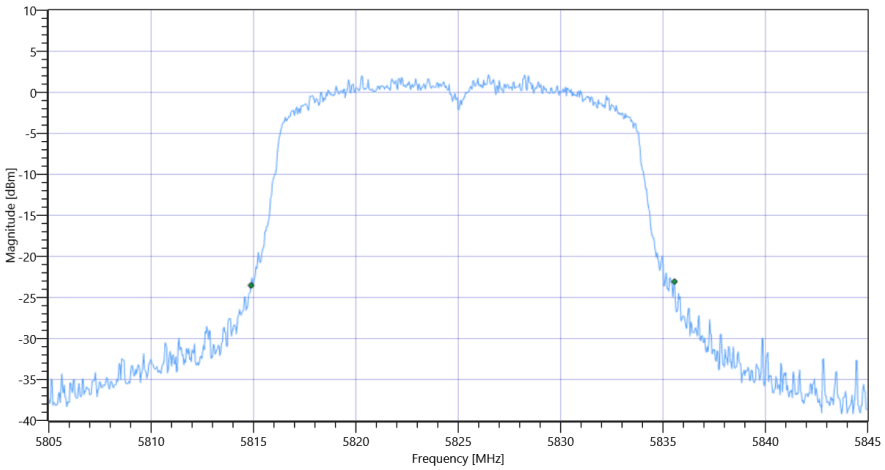
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.31	dBm	INFO
Ref. Frequency	---	---	5828.200	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.68	MHz	INFO
T1 26dB	---	---	5814.8800	MHz	INFO
T2 26dB	---	---	5835.5600	MHz	INFO



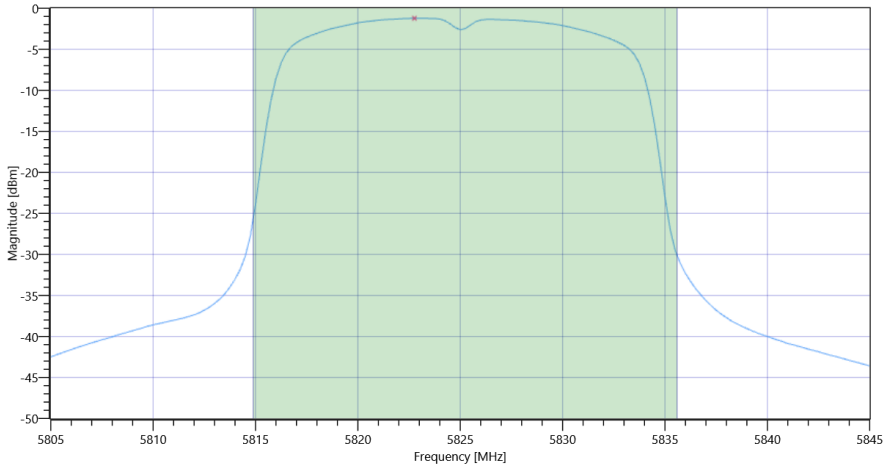
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.31 | 11.58 | 25
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	---	---	9.99	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.99	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.16	9.99	dBm	not applicable

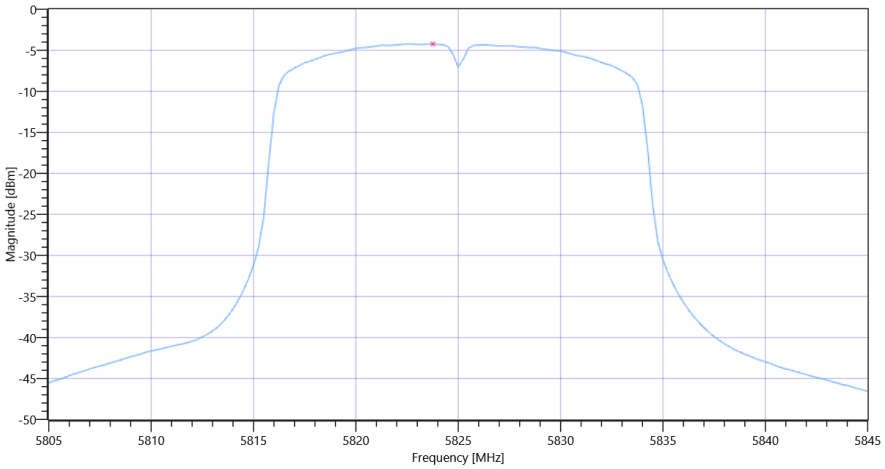


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.31 | 11.58 | 25
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	---	---	-4.23	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.23	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	02.08.2022 15:37:17
Ambit Temp [°C] | Humidity [rel%]	29.4 | 35
System Version	3.3.0.1
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	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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5785 MHz

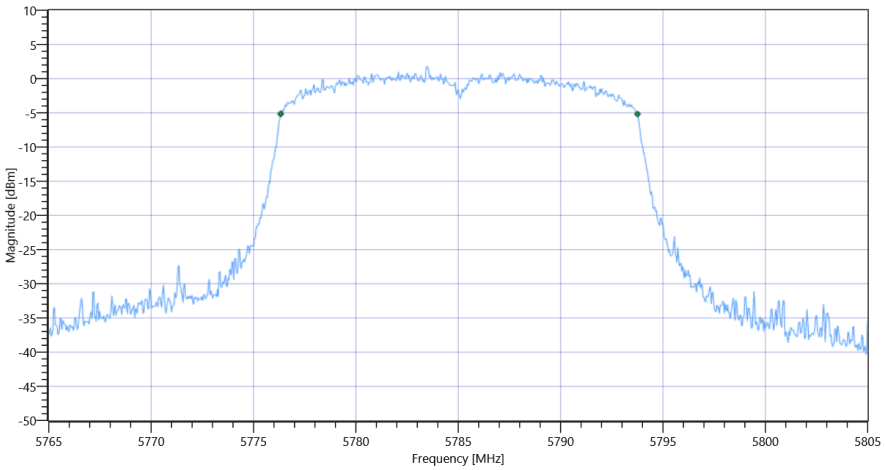
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.05	dBm	INFO
Ref. Frequency	---	---	5789.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5776.3287	MHz	INFO
T2 99%	---	---	5793.7512	MHz	INFO



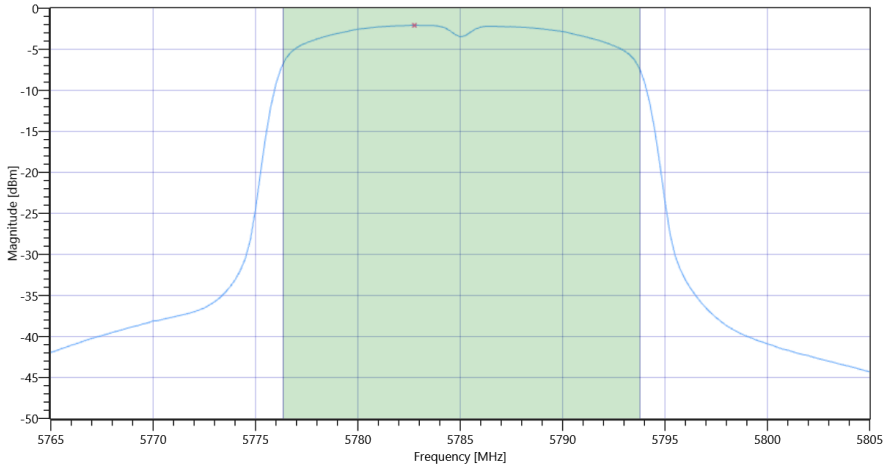
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.05 | 11.48 | 25
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	---	---	9.13	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.13	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	9.13	dBm	not applicable

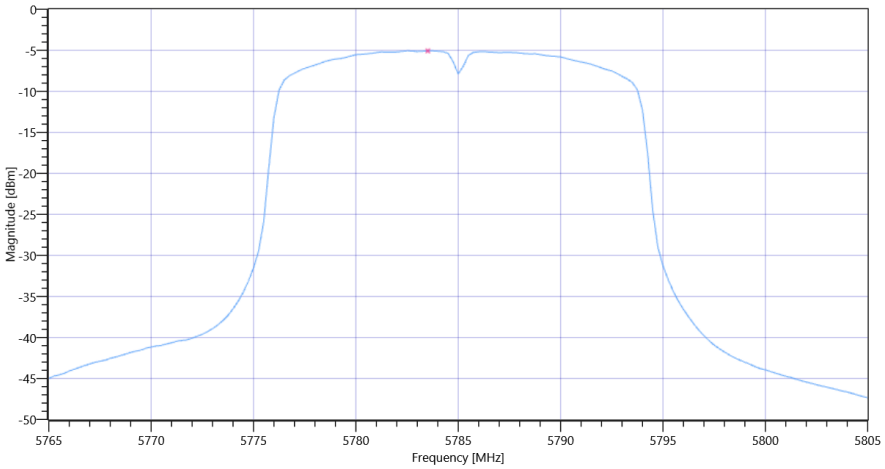


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.05 | 11.48 | 25
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	---	---	-5.07	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-5.07	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 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	02.08.2022 15:34:34
Ambit Temp [°C] | Humidity [rel%]	29.3 | 36
System Version	3.3.0.1
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-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	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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5785 MHz

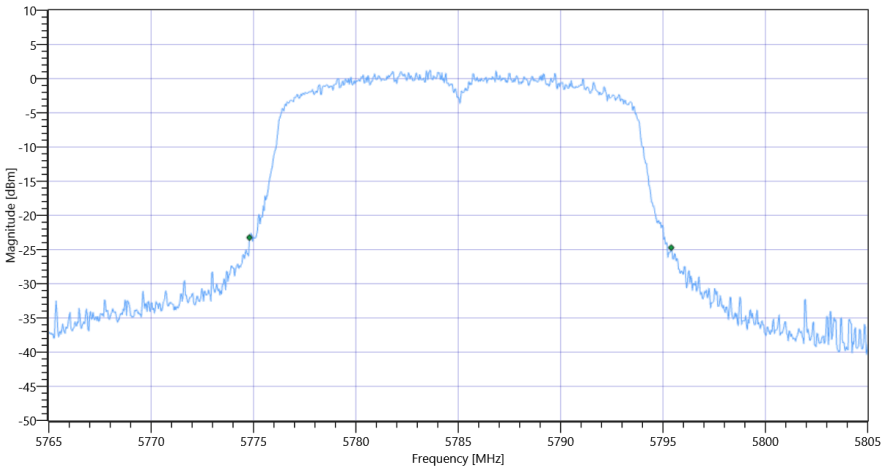
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.95	dBm	INFO
Ref. Frequency	---	---	5780.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.6	MHz	INFO
T1 26dB	---	---	5774.8000	MHz	INFO
T2 26dB	---	---	5795.4000	MHz	INFO



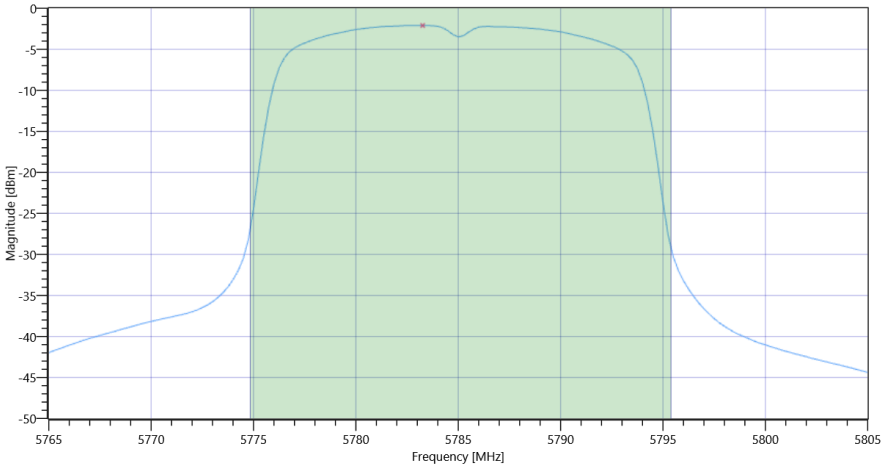
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.95 | 11.48 | 25
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	---	---	9.18	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.18	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.14	9.18	dBm	not applicable

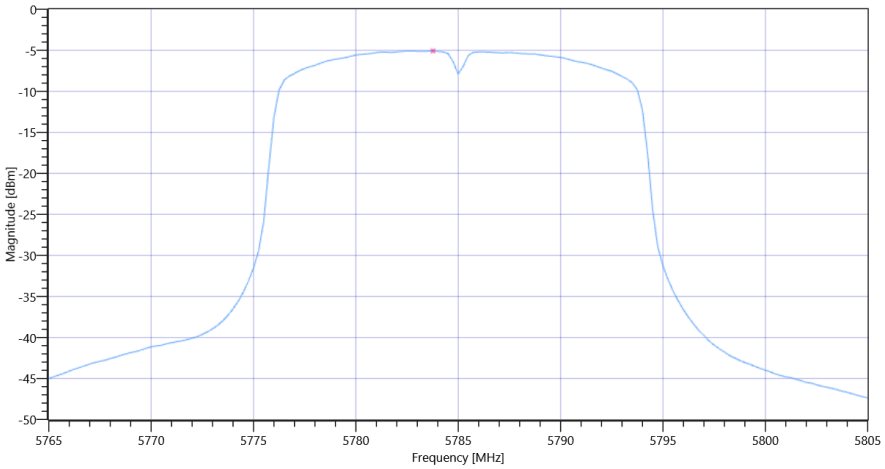


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.95 | 11.48 | 25
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	---	---	-5.07	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-5.07	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	02.08.2022 15:29:35
Ambit Temp [°C] | Humidity [rel%]	29.3 | 38
System Version	3.3.0.1
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	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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5745 MHz

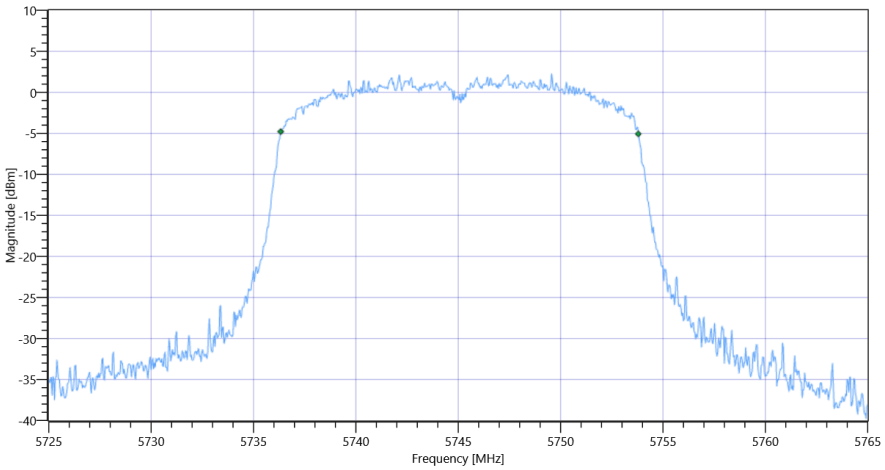
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.53	dBm	INFO
Ref. Frequency	---	---	5746.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.463	MHz	INFO
T1 99%	---	---	5736.3287	MHz	INFO
T2 99%	---	---	5753.7912	MHz	INFO



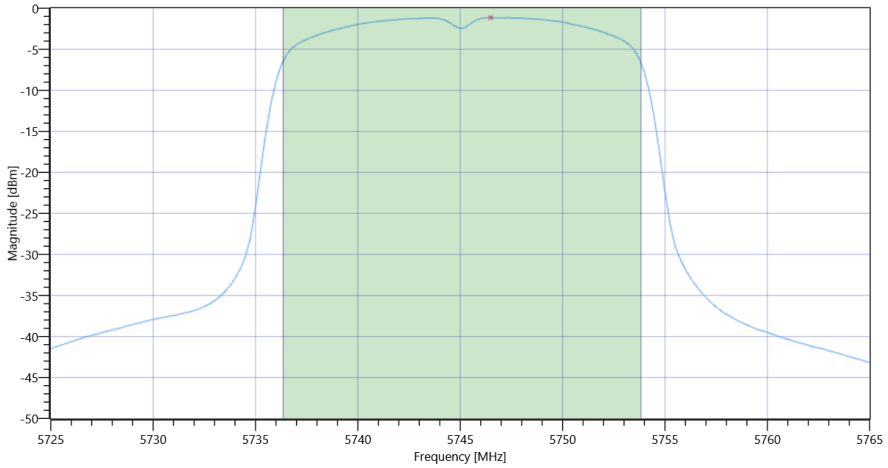
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.53 | 11.46 | 25
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	---	---	10.04	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.04	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.42	10.04	dBm	not applicable

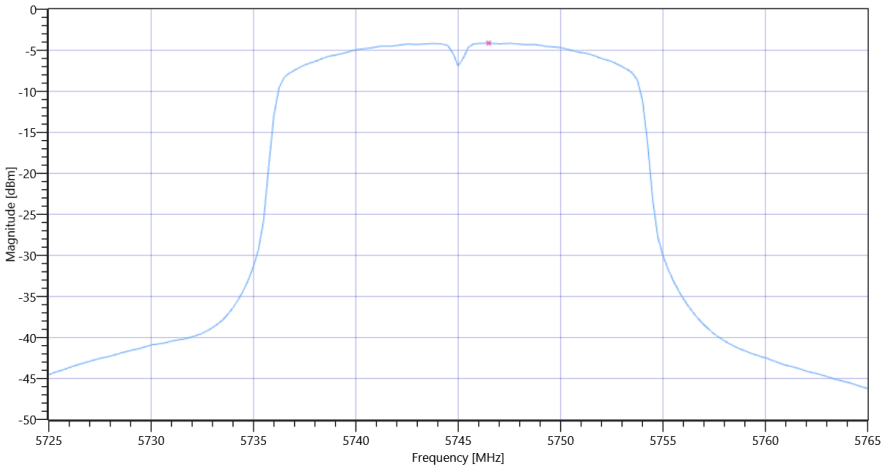


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.53 | 11.46 | 25
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	---	---	-4.13	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.13	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 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

Test References	
TC Start	02.08.2022 15:26:53
Ambit Temp [°C] | Humidity [rel%]	29.3 | 38
System Version	3.3.0.1
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-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	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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5745 MHz

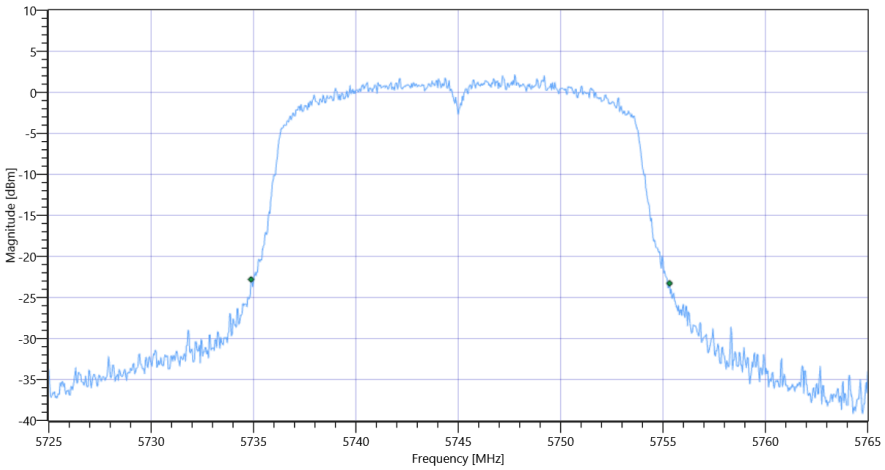
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.91	dBm	INFO
Ref. Frequency	---	---	5742.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.44	MHz	INFO
T1 26dB	---	---	5734.8800	MHz	INFO
T2 26dB	---	---	5755.3200	MHz	INFO



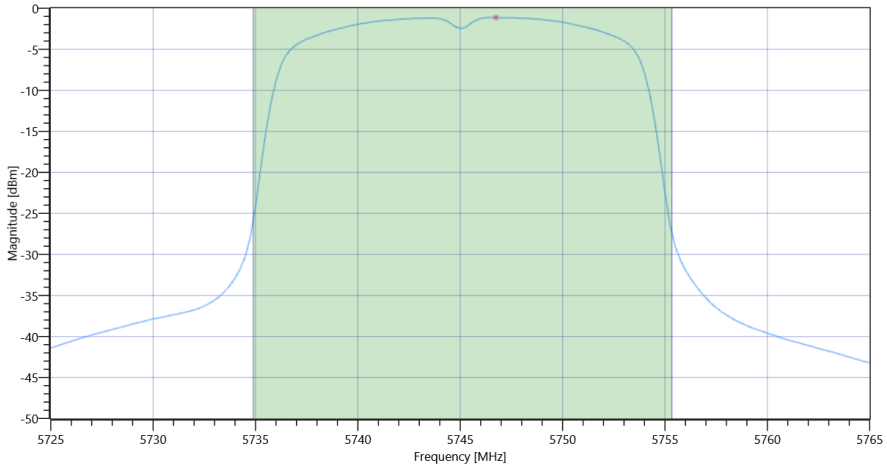
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.91 | 11.46 | 25
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	---	---	10.12	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.12	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.1	10.12	dBm	not applicable

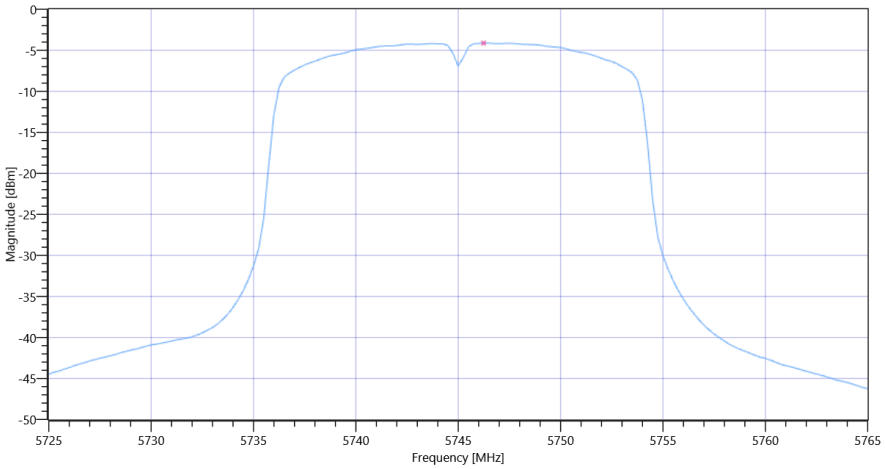


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.91 | 11.46 | 25
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	---	---	-4.13	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.13	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-2C

Test References	
TC Start	02.08.2022 15:18:40
Ambit Temp [°C] | Humidity [rel%]	29.3 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5600 MHz

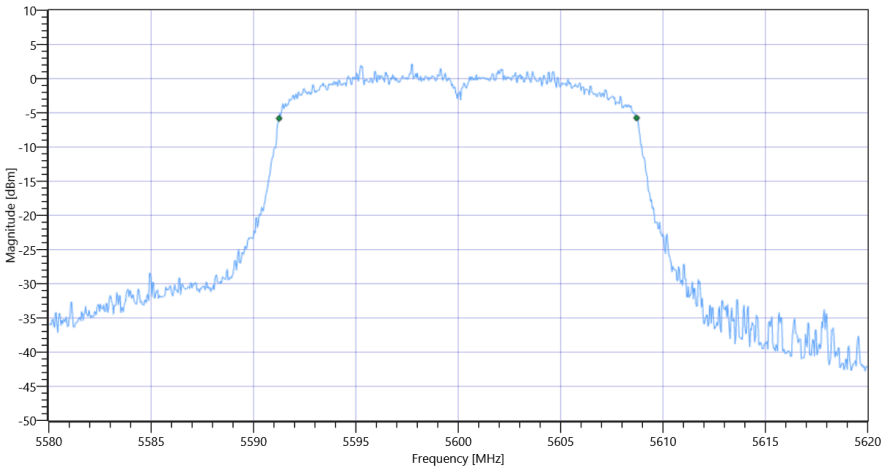
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.61	dBm	INFO
Ref. Frequency	---	---	5599.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.463	MHz	INFO
T1 99%	---	---	5591.2488	MHz	INFO
T2 99%	---	---	5608.7113	MHz	INFO



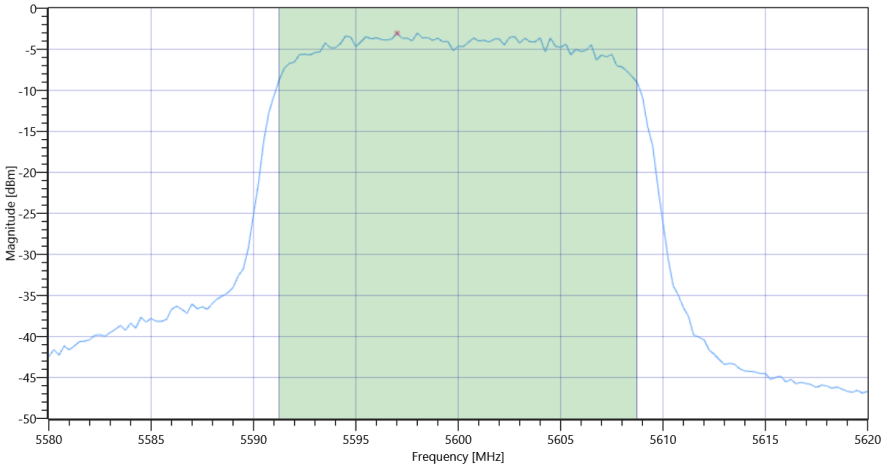
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.61 | 11.36 | 25
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	---	---	7.61	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	7.61	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.42	7.61	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-3.04	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-3.04	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	02.08.2022 15:17:00
Ambit Temp [°C] | Humidity [rel%]	29.3 | 39
System Version	3.3.0.1
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-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5600 MHz

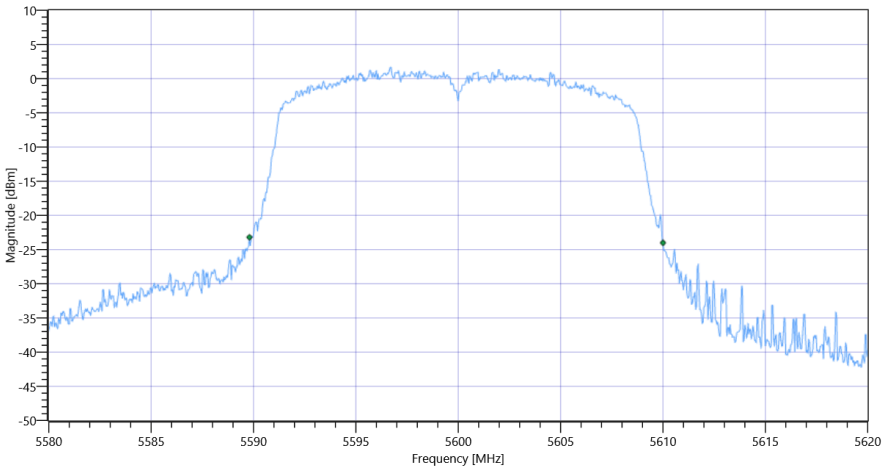
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.49	dBm	INFO
Ref. Frequency	---	---	5596.200	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	---	---	5589.8000	MHz	INFO
T2 26dB	---	---	5610.0000	MHz	INFO



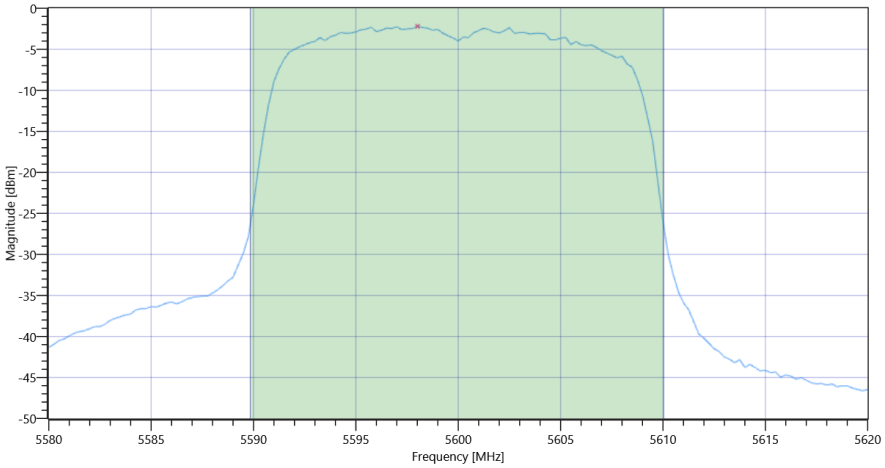
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.49 | 11.36 | 25
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	---	---	8.71	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	8.71	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.05	8.71	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-2.19	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-2.19	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	02.08.2022 15:03:04
Ambit Temp [°C] | Humidity [rel%]	29.2 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5500 MHz

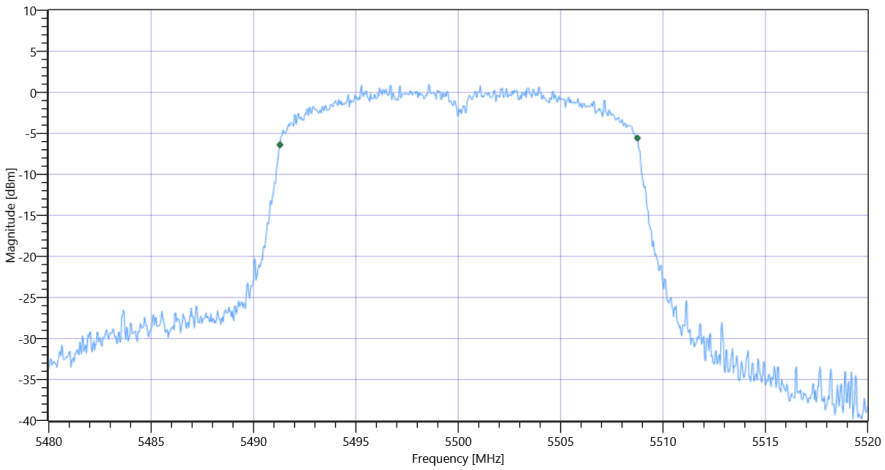
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.87	dBm	INFO
Ref. Frequency	---	---	5502.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.463	MHz	INFO
T1 99%	---	---	5491.2887	MHz	INFO
T2 99%	---	---	5508.7512	MHz	INFO



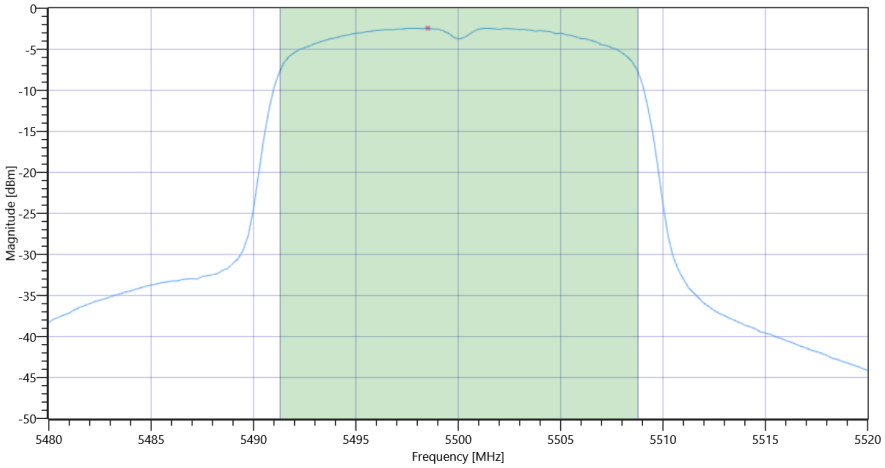
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.87 | 11.34 | 25
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	---	---	8.78	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	8.78	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.42	8.78	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-2.42	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-2.42	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

Test References	
TC Start	02.08.2022 15:01:24
Ambit Temp [°C] | Humidity [rel%]	29.1 | 39
System Version	3.3.0.1
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-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5500 MHz

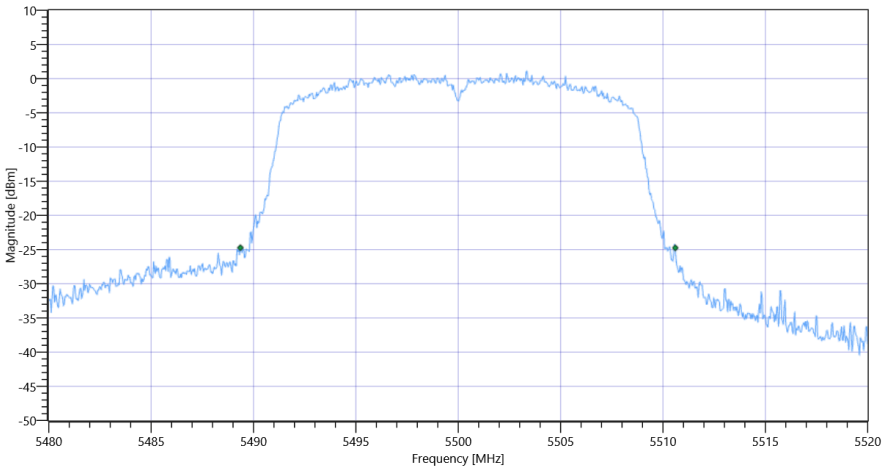
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	5.74	dBm	INFO
Ref. Frequency	---	---	5498.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	21.24	MHz	INFO
T1 26dB	---	---	5489.3600	MHz	INFO
T2 26dB	---	---	5510.6000	MHz	INFO



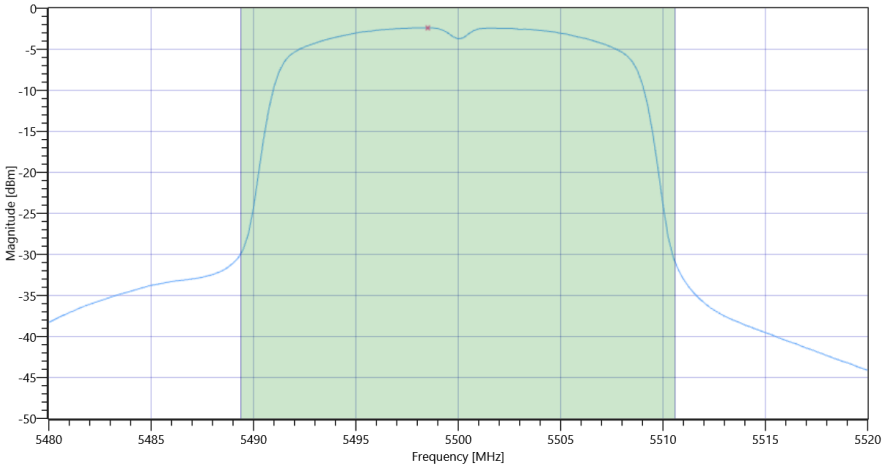
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.74 | 11.34 | 25
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	---	---	8.91	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	8.91	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.27	8.91	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-2.4	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-2.4	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:57:19
Ambit Temp [°C] | Humidity [rel%]	29.0 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5320 MHz

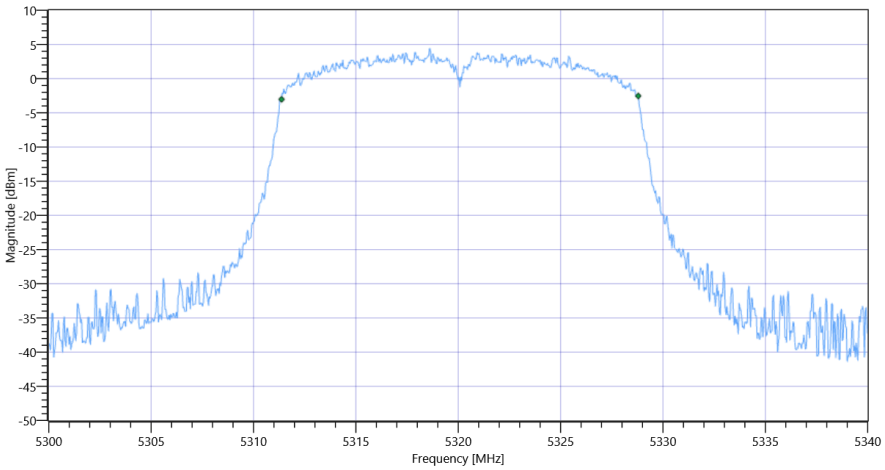
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.95	dBm	INFO
Ref. Frequency	---	---	5317.200	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5311.3686	MHz	INFO
T2 99%	---	---	5328.7912	MHz	INFO



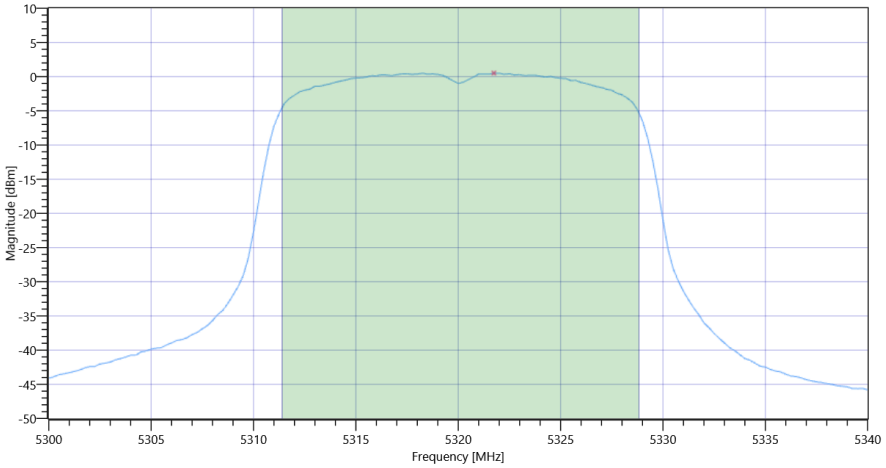
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.95 | 11.48 | 25
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	---	---	11.6	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.6	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	11.6	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.51	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.51	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:55:39
Ambit Temp [°C] | Humidity [rel%]	29.0 | 39
System Version	3.3.0.1
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-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5320 MHz

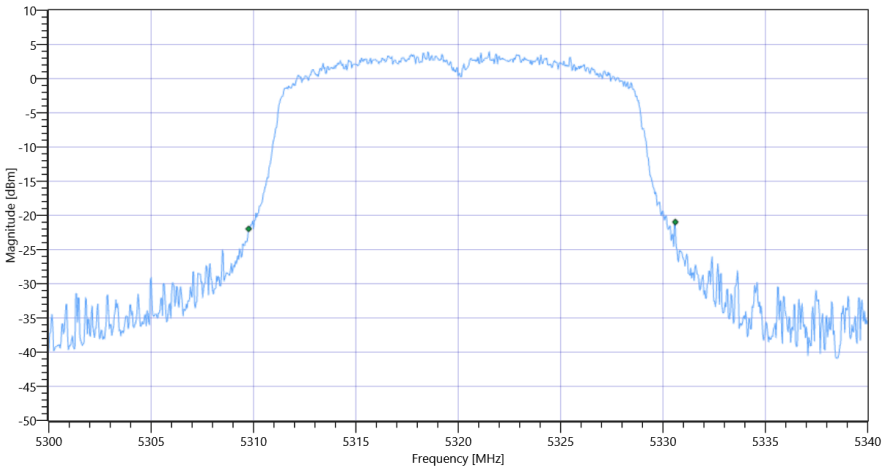
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.44	dBm	INFO
Ref. Frequency	---	---	5319.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.84	MHz	INFO
T1 26dB	---	---	5309.7600	MHz	INFO
T2 26dB	---	---	5330.6000	MHz	INFO



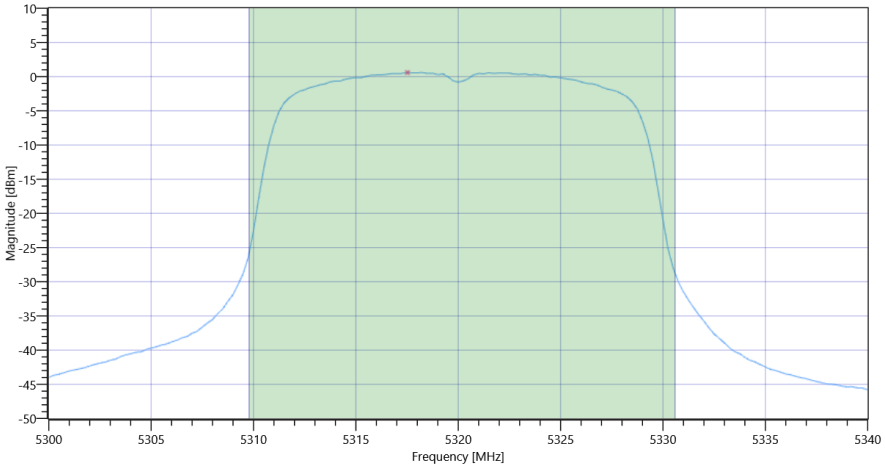
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.44 | 11.48 | 25
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	---	---	11.8	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.8	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.19	11.8	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.6	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.6	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:51:57
Ambit Temp [°C] | Humidity [rel%]	28.9 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5280 MHz

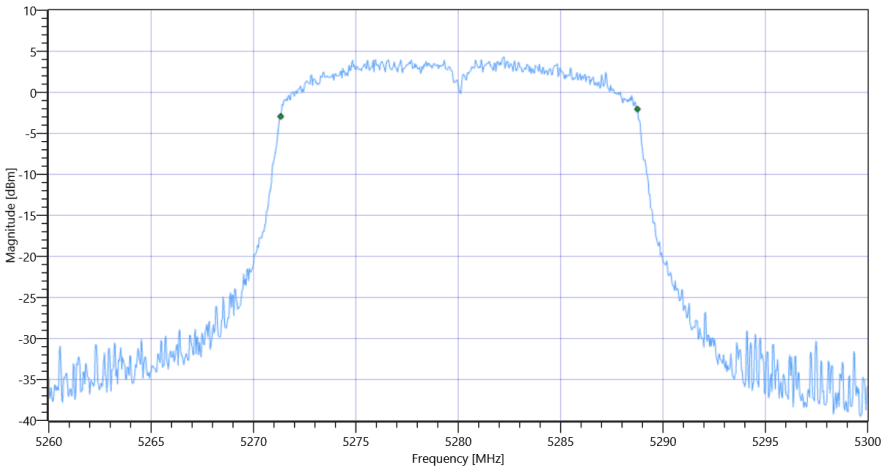
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	9.86	dBm	INFO
Ref. Frequency	---	---	5276.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5271.3287	MHz	INFO
T2 99%	---	---	5288.7512	MHz	INFO



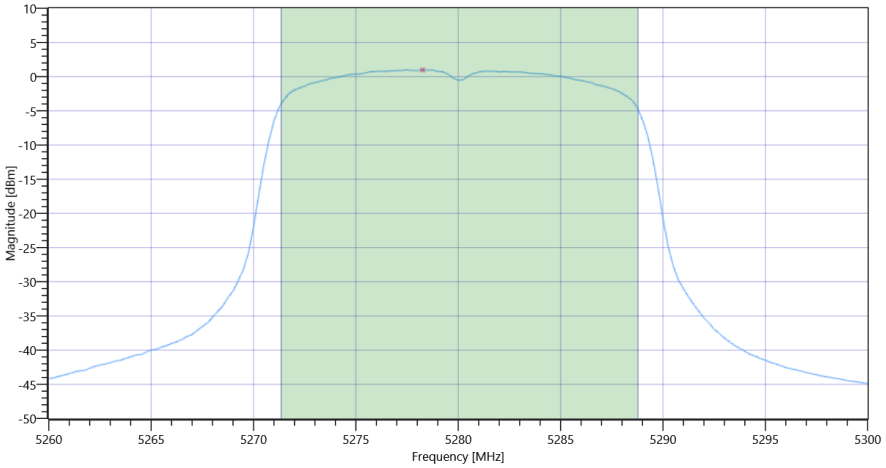
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.86 | 11.53 | 25
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	---	---	12.07	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	12.07	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	12.07	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.97	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.97	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:50:16
Ambit Temp [°C] | Humidity [rel%]	28.9 | 39
System Version	3.3.0.1
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-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5280 MHz

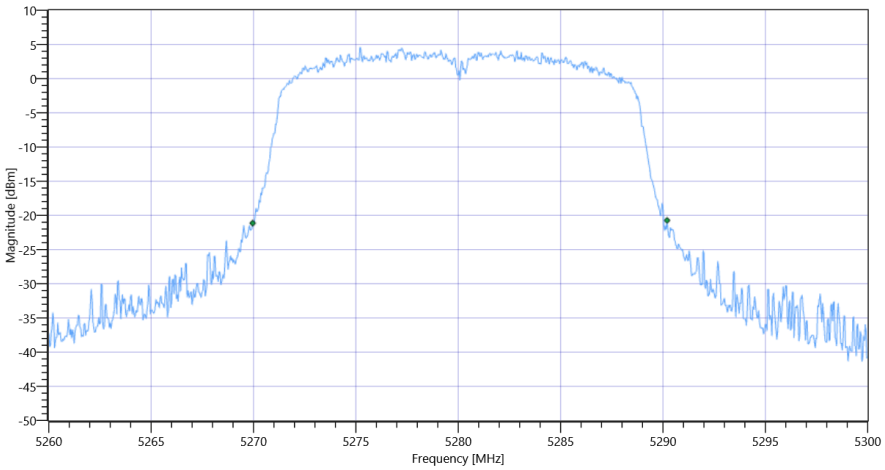
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.93	dBm	INFO
Ref. Frequency	---	---	5276.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.24	MHz	INFO
T1 26dB	---	---	5269.9600	MHz	INFO
T2 26dB	---	---	5290.2000	MHz	INFO



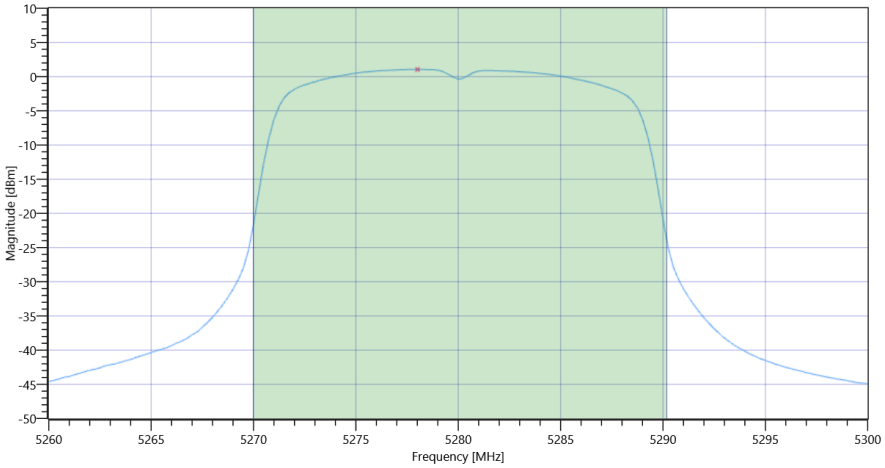
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.93 | 11.53 | 25
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	---	---	12.24	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	12.24	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.06	12.24	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	1.05	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	1.05	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:44:44
Ambit Temp [°C] | Humidity [rel%]	28.9 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5260 MHz

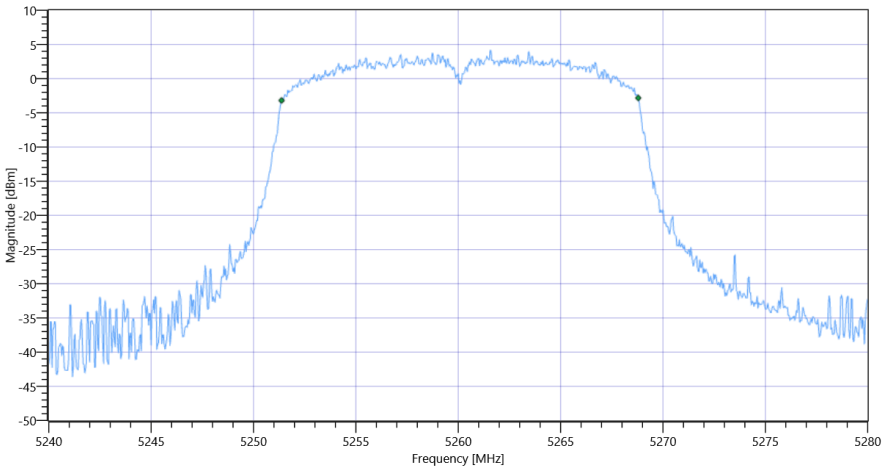
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.17	dBm	INFO
Ref. Frequency	---	---	5261.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5251.3686	MHz	INFO
T2 99%	---	---	5268.7912	MHz	INFO



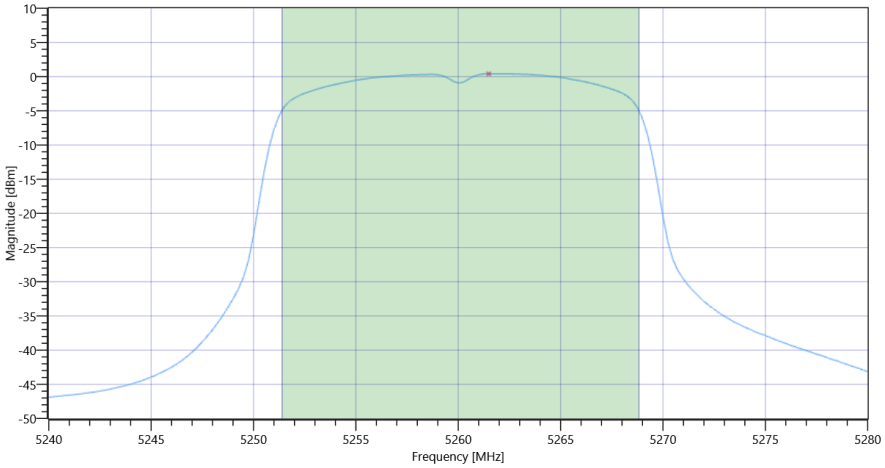
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.17 | 11.53 | 25
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	---	---	11.55	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.55	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	11.55	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.41	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.41	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

Test References	
TC Start	02.08.2022 14:43:04
Ambit Temp [°C] | Humidity [rel%]	28.9 | 40
System Version	3.3.0.1
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-HT20 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 n-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5260 MHz

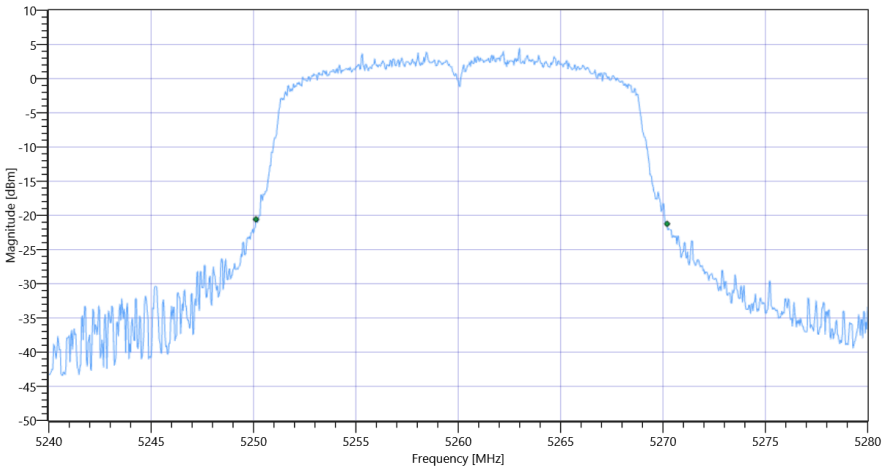
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.87	dBm	INFO
Ref. Frequency	---	---	5262.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.08	MHz	INFO
T1 26dB	---	---	5250.1200	MHz	INFO
T2 26dB	---	---	5270.2000	MHz	INFO



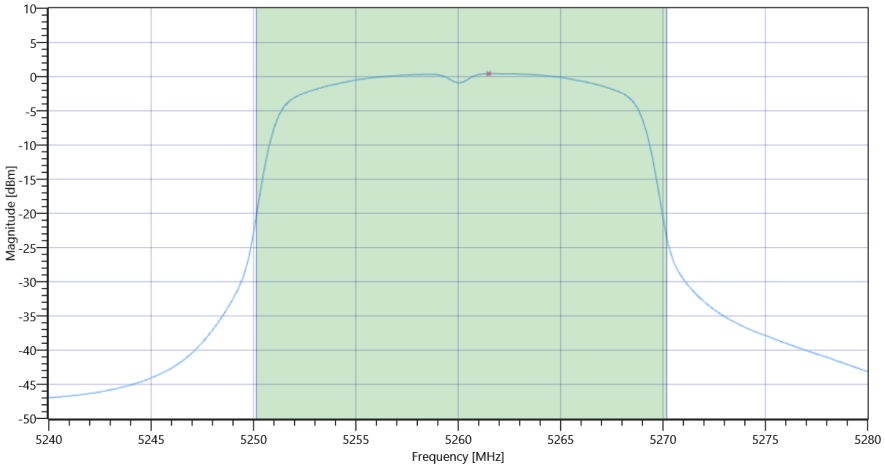
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.87 | 11.53 | 25
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	---	---	11.64	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.64	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.03	11.64	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	0.43	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	0.43	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:39:36
Ambit Temp [°C] | Humidity [rel%]	28.8 | 39
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5240 MHz

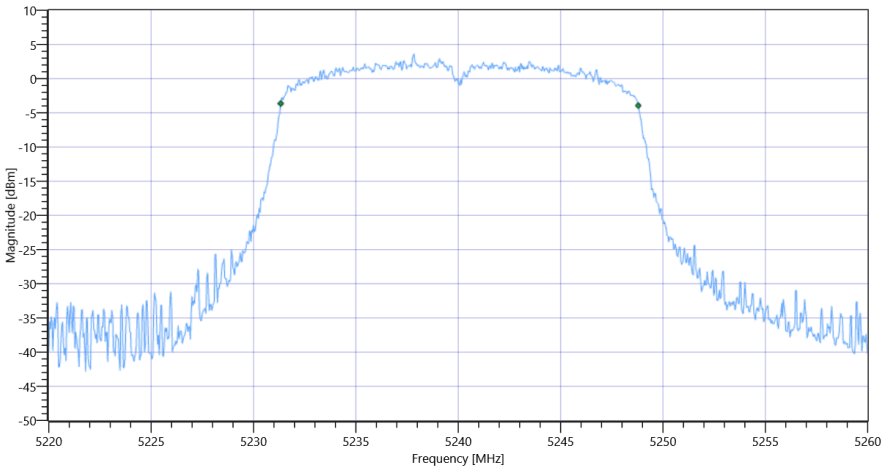
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.46	dBm	INFO
Ref. Frequency	---	---	5242.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.463	MHz	INFO
T1 99%	---	---	5231.3287	MHz	INFO
T2 99%	---	---	5248.7912	MHz	INFO



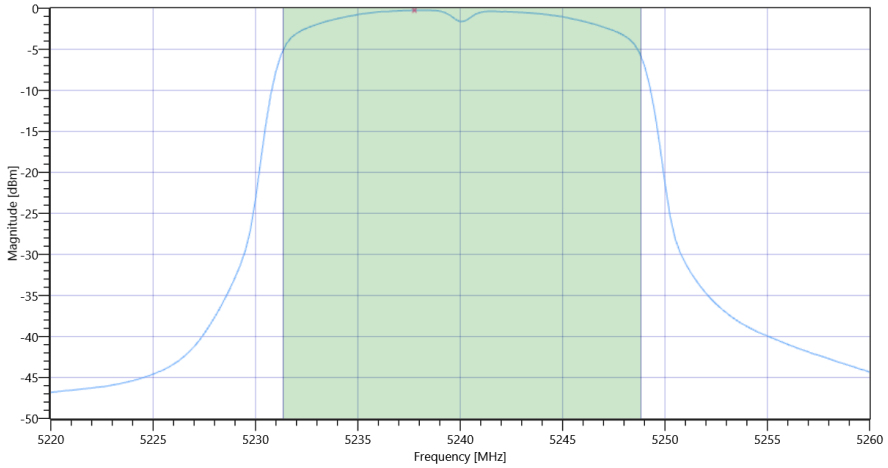
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.46 | 11.52 | 25
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	---	---	10.95	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	10.95	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.42	10.95	dBm	not applicable



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.25	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.25	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:37:56
Ambit Temp [°C] | Humidity [rel%]	28.8 | 40
System Version	3.3.0.1
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-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5240 MHz

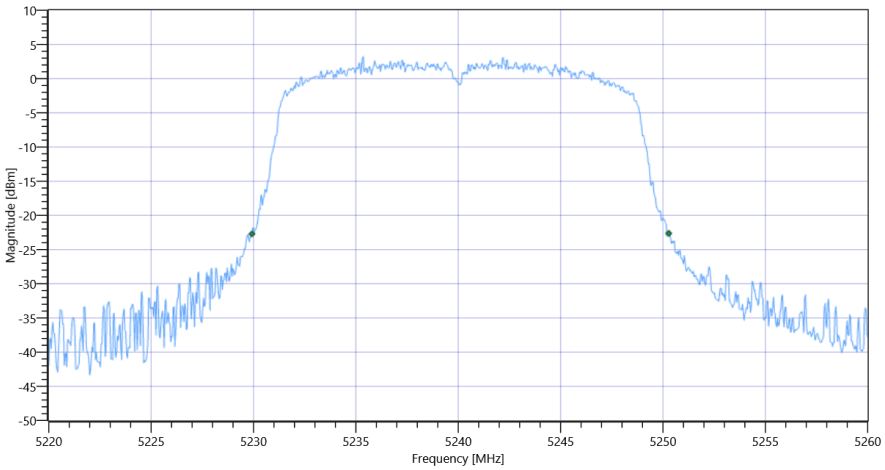
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.74	dBm	INFO
Ref. Frequency	---	---	5237.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.36	MHz	INFO
T1 26dB	---	---	5229.9200	MHz	INFO
T2 26dB	---	---	5250.2800	MHz	INFO



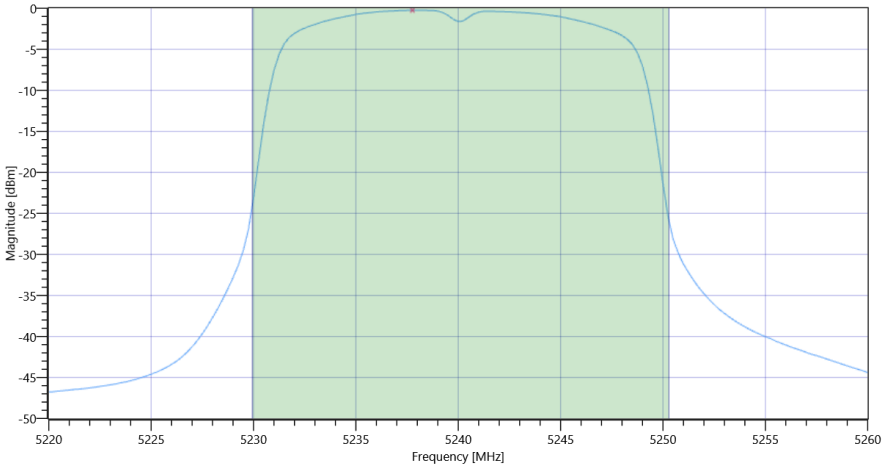
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.74 | 11.52 | 25
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	---	---	11.03	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	11.03	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.09	11.03	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.24	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.24	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:22:52
Ambit Temp [°C] | Humidity [rel%]	28.8 | 40
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5200 MHz

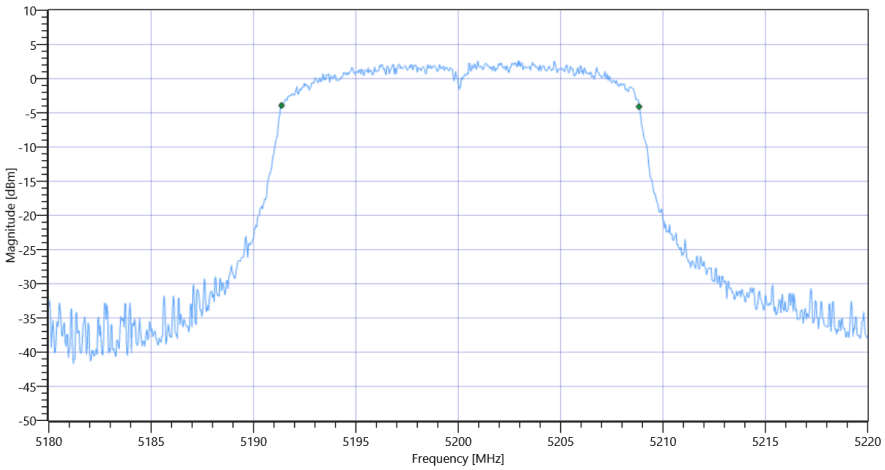
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.60	dBm	INFO
Ref. Frequency	---	---	5197.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.463	MHz	INFO
T1 99%	---	---	5191.3686	MHz	INFO
T2 99%	---	---	5208.8312	MHz	INFO



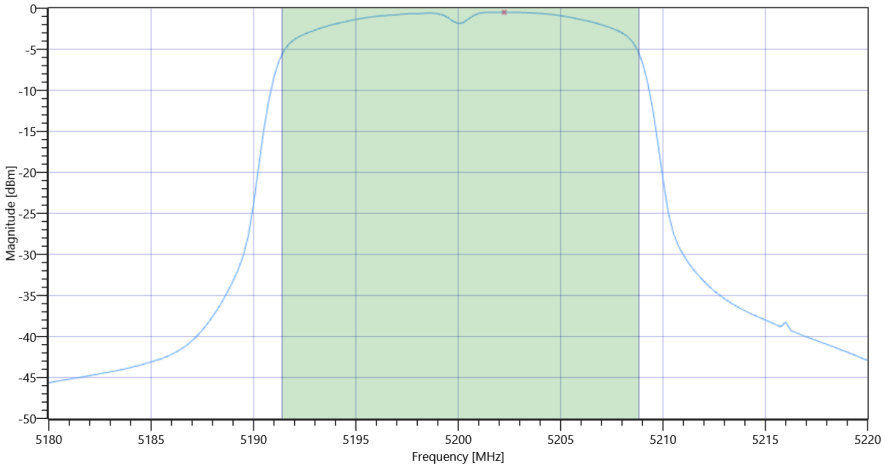
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.60 | 11.47 | 25
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	---	---	10.73	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	10.73	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.42	10.73	dBm	not applicable



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.49	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.49	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:21:12
Ambit Temp [°C] | Humidity [rel%]	28.8 | 40
System Version	3.3.0.1
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-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5200 MHz

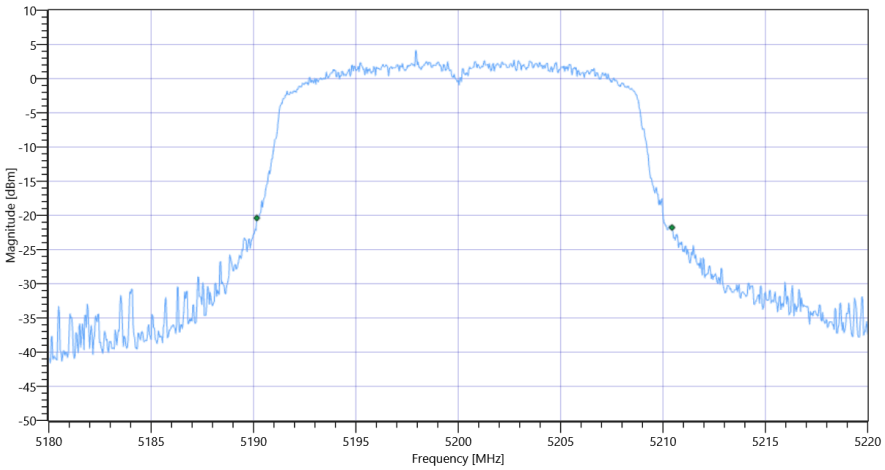
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.45	dBm	INFO
Ref. Frequency	---	---	5198.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.28	MHz	INFO
T1 26dB	---	---	5190.1600	MHz	INFO
T2 26dB	---	---	5210.4400	MHz	INFO



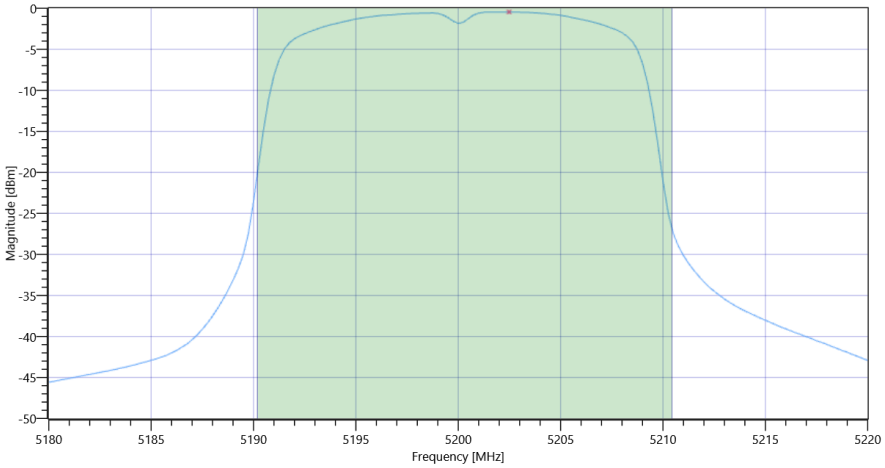
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.45 | 11.47 | 25
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	---	---	10.84	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	10.84	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.07	10.84	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.45	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.45	dBm/1MHz	PASS

General verdict	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:16:26
Ambit Temp [°C] | Humidity [rel%]	28.8 | 40
System Version	3.3.0.1
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5180 MHz

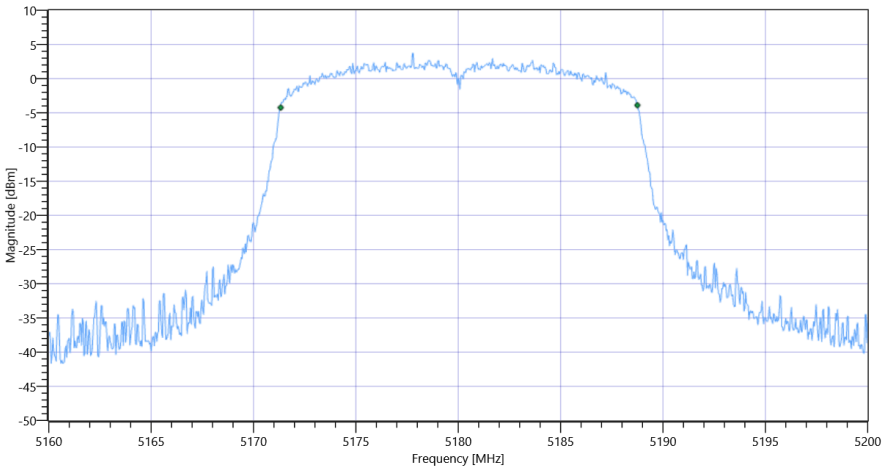
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.94	dBm	INFO
Ref. Frequency	---	---	5178.200	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	17.423	MHz	INFO
T1 99%	---	---	5171.3287	MHz	INFO
T2 99%	---	---	5188.7512	MHz	INFO



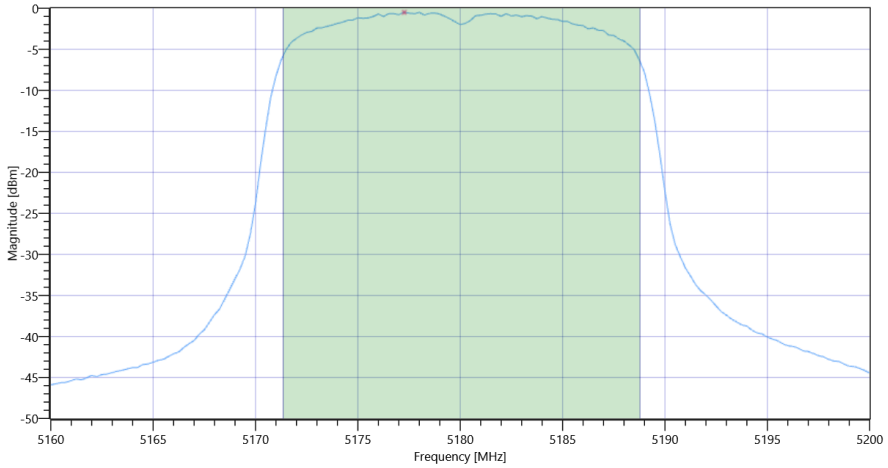
ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.94 | 11.43 | 25
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	---	---	10.49	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	10.49	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.41	10.49	dBm	not applicable



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.5	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.5	dBm/1MHz	PASS

General verdict	PASS

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

Test References	
TC Start	02.08.2022 14:14:43
Ambit Temp [°C] | Humidity [rel%]	28.7 | 40
System Version	3.3.0.1
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-HT20 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-HT20 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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5180 MHz

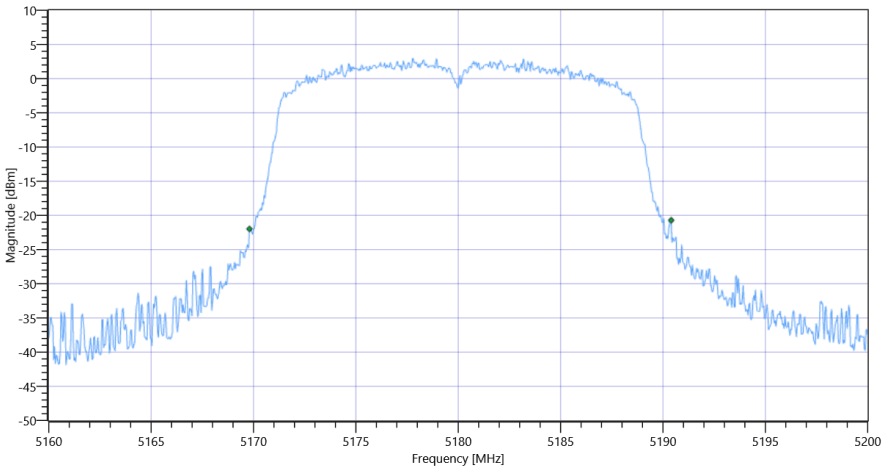
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.78	dBm	INFO
Ref. Frequency	---	---	5181.200	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.6	MHz	INFO
T1 26dB	---	---	5169.8000	MHz	INFO
T2 26dB	---	---	5190.4000	MHz	INFO



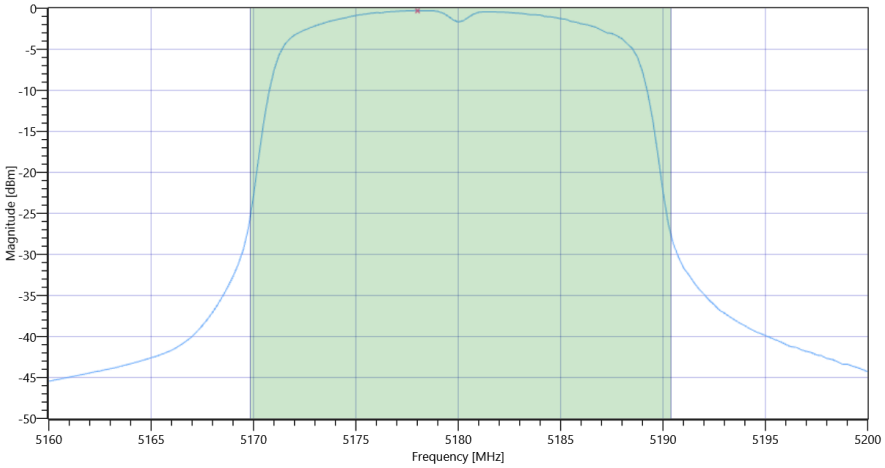
FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.78 | 11.43 | 25
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	---	---	10.88	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	10.88	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.14	10.88	dBm	not applicable



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1 Max OP and PSD

Power Spectral Density

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	---	---	-0.3	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-0.3	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 14:09:01
Ambit Temp [°C] | Humidity [rel%]	28.7 | 40
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5825 MHz

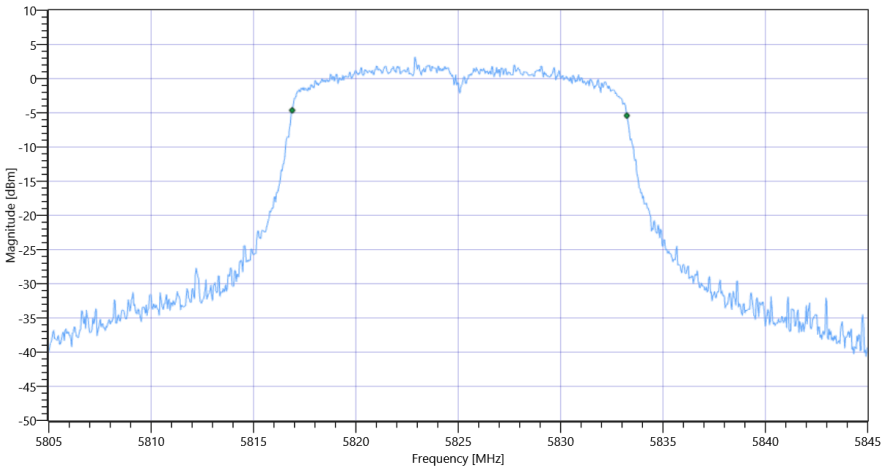
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.73	dBm	INFO
Ref. Frequency	---	---	5822.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.344	MHz	INFO
T1 99%	---	---	5816.8881	MHz	INFO
T2 99%	---	---	5833.2318	MHz	INFO



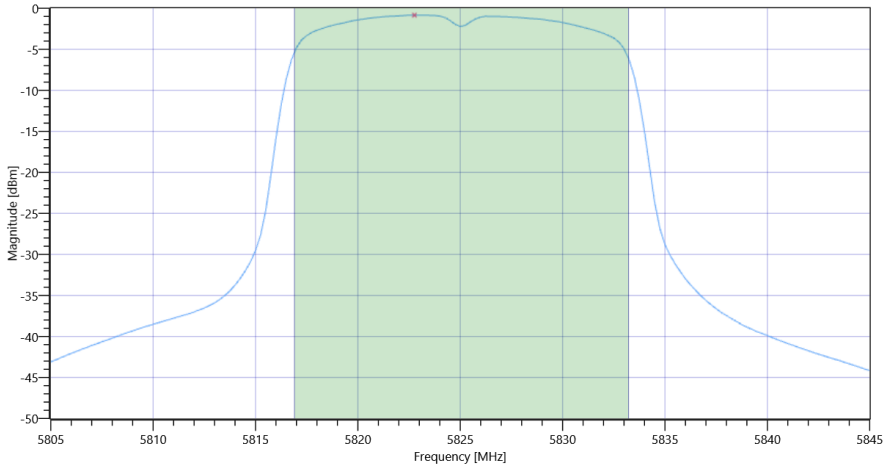
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.73 | 11.58 | 25
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	---	---	10.13	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.13	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.13	10.13	dBm	not applicable

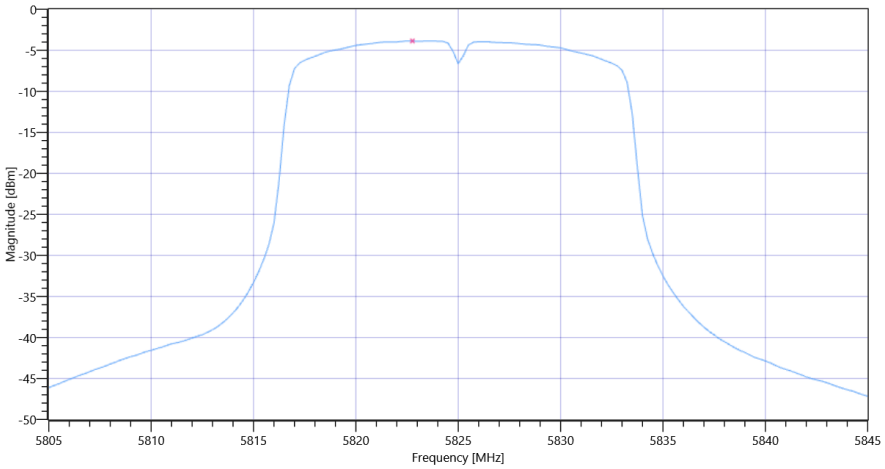


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.73 | 11.58 | 25
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	---	---	-3.86	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-3.86	dBm/0.5MHz	PASS



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

General verdict	PASS

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

Test References	
TC Start	02.08.2022 14:06:20
Ambit Temp [°C] | Humidity [rel%]	28.7 | 40
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5825 MHz

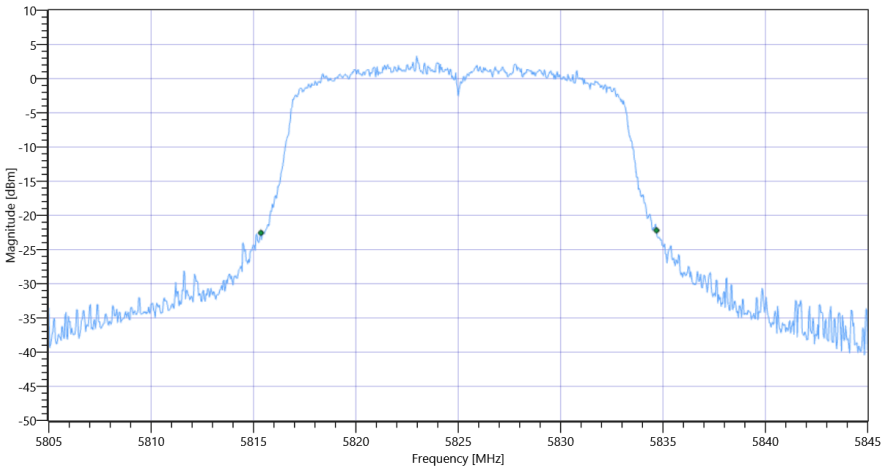
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	8.00	dBm	INFO
Ref. Frequency	---	---	5823.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	19.32	MHz	INFO
T1 26dB	---	---	5815.3600	MHz	INFO
T2 26dB	---	---	5834.6800	MHz	INFO



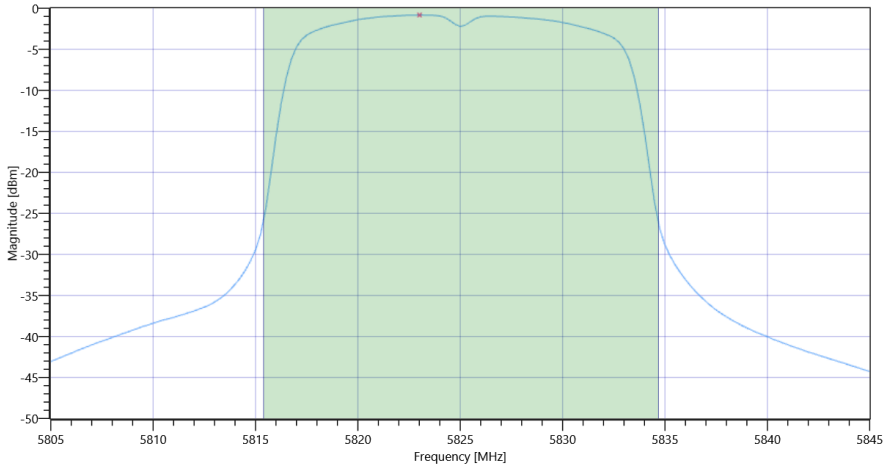
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.00 | 11.58 | 25
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	---	---	10.22	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.22	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.86	10.22	dBm	not applicable

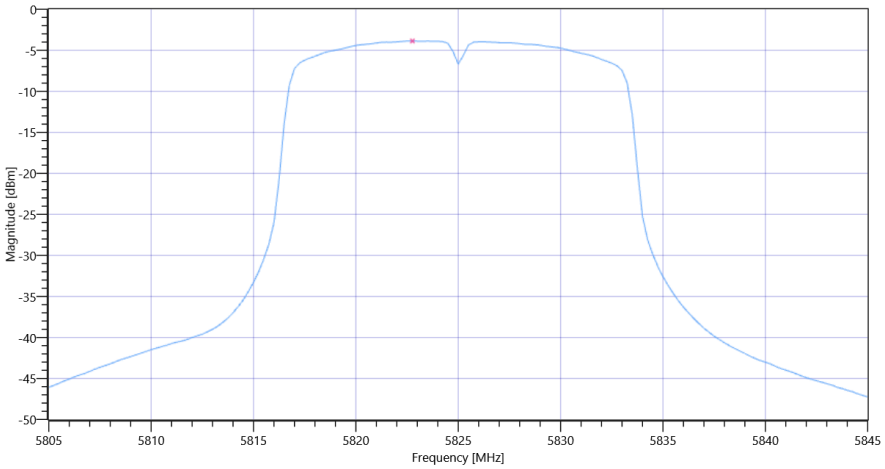


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.00 | 11.58 | 25
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	---	---	-3.87	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-3.87	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	02.08.2022 14:00:40
Ambit Temp [°C] | Humidity [rel%]	28.6 | 41
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5785 MHz

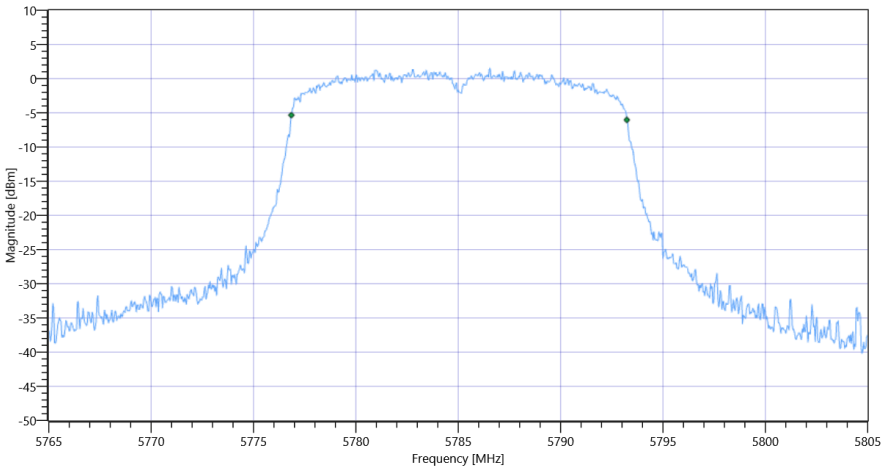
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.81	dBm	INFO
Ref. Frequency	---	---	5781.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.384	MHz	INFO
T1 99%	---	---	5776.8482	MHz	INFO
T2 99%	---	---	5793.2318	MHz	INFO



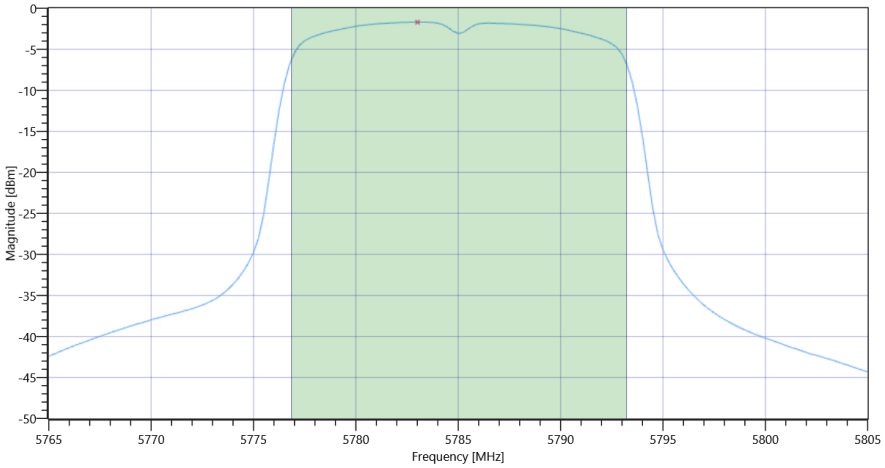
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.81 | 11.48 | 25
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	---	---	9.34	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.34	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.14	9.34	dBm	not applicable

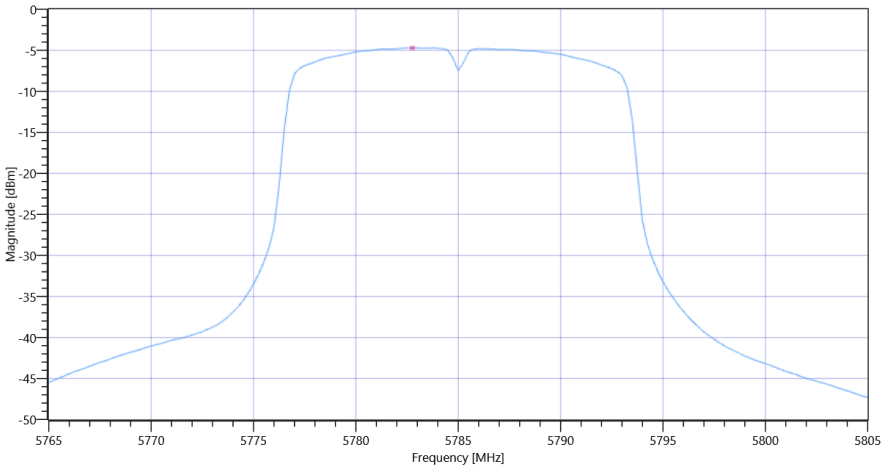


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.81 | 11.48 | 25
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	---	---	-4.71	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-4.71	dBm/0.5MHz	PASS



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

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:57:59
Ambit Temp [°C] | Humidity [rel%]	28.5 | 41
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5785 MHz

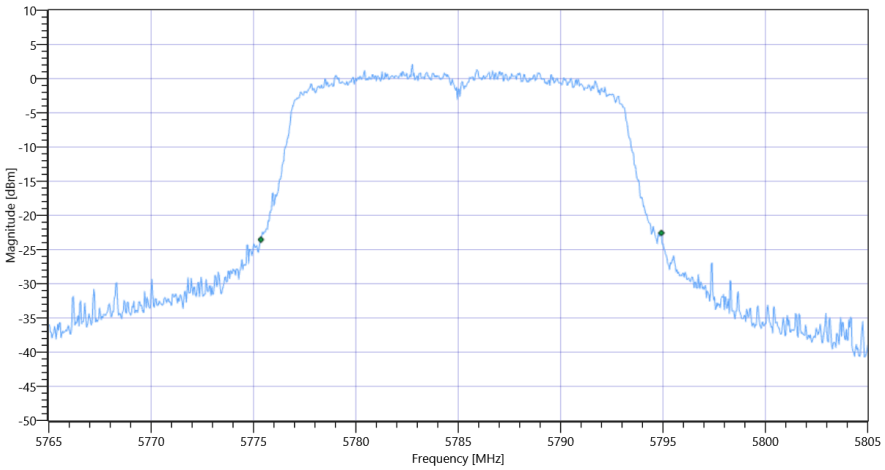
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.95	dBm	INFO
Ref. Frequency	---	---	5782.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	19.56	MHz	INFO
T1 26dB	---	---	5775.3600	MHz	INFO
T2 26dB	---	---	5794.9200	MHz	INFO



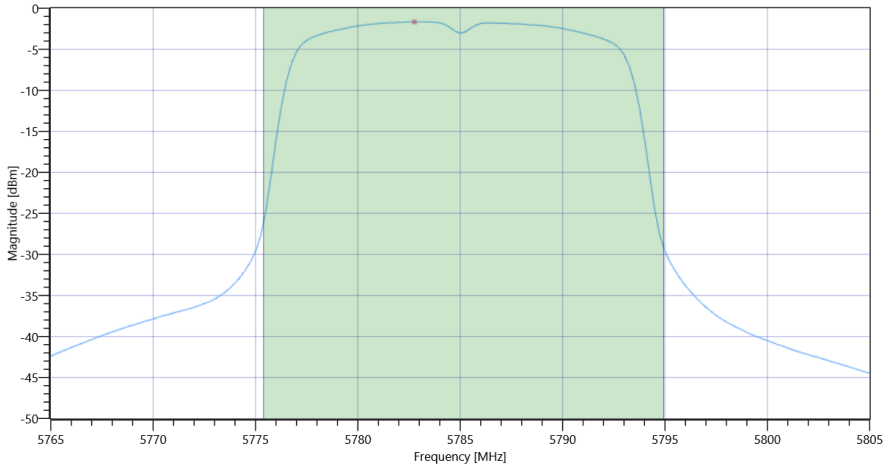
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.95 | 11.48 | 25
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	---	---	9.45	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	9.45	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.91	9.45	dBm	not applicable

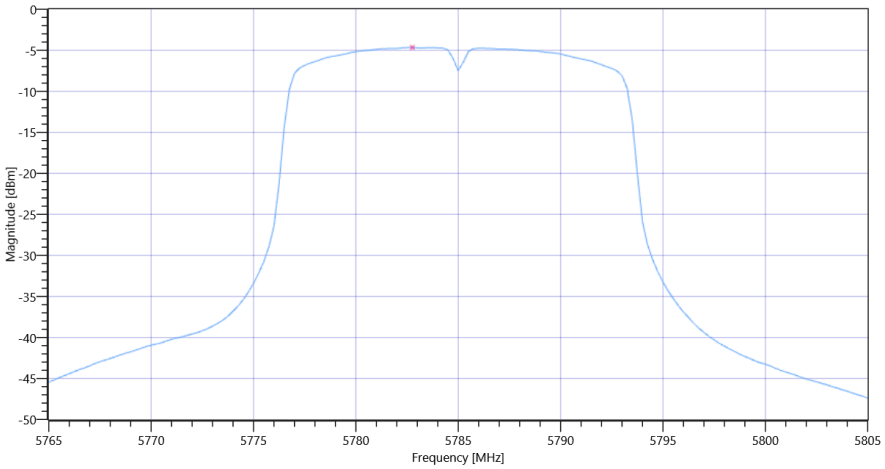


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.95 | 11.48 | 25
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	---	---	-4.66	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	02.08.2022 13:49:13
Ambit Temp [°C] | Humidity [rel%]	28.4 | 41
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5745 MHz

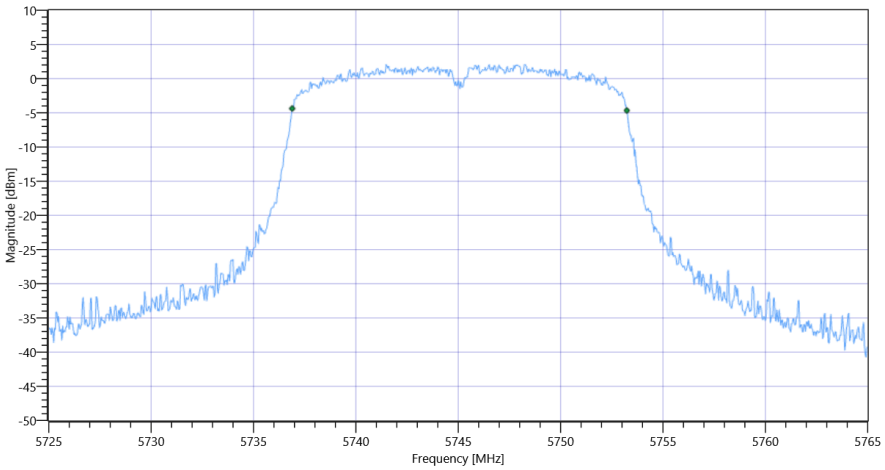
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.02	dBm	INFO
Ref. Frequency	---	---	5747.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.344	MHz	INFO
T1 99%	---	---	5736.8881	MHz	INFO
T2 99%	---	---	5753.2318	MHz	INFO



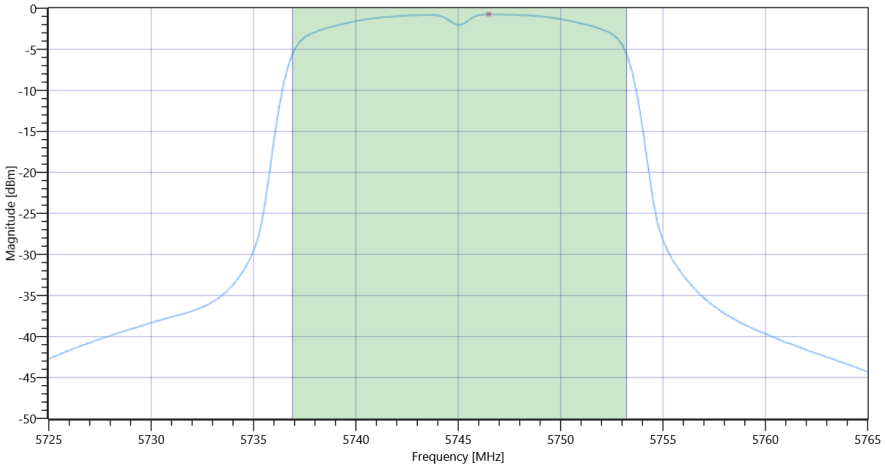
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.02 | 11.46 | 25
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	---	---	10.27	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.27	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.13	10.27	dBm	not applicable

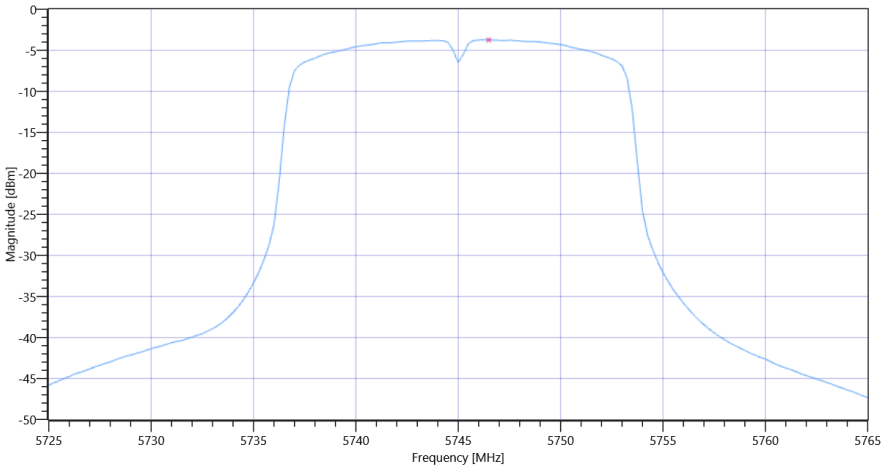


ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.02 | 11.46 | 25
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	---	---	-3.74	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-3.74	dBm/0.5MHz	PASS



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

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:46:33
Ambit Temp [°C] | Humidity [rel%]	28.4 | 41
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5745 MHz

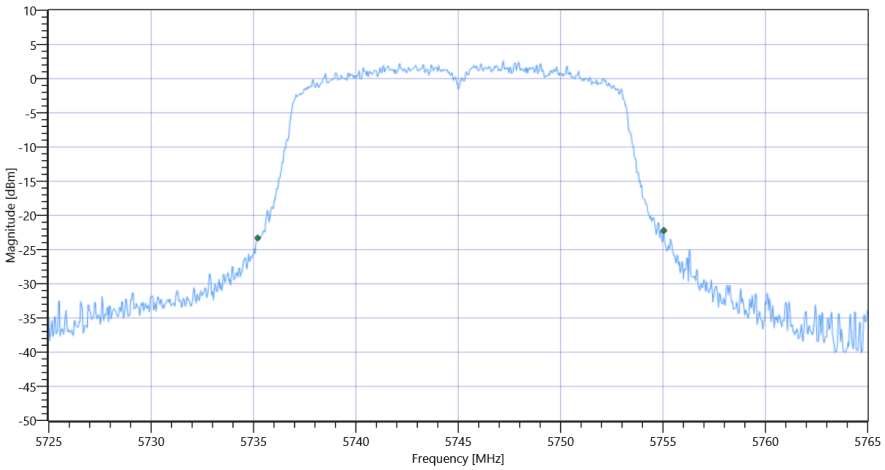
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	7.43	dBm	INFO
Ref. Frequency	---	---	5743.800	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	19.84	MHz	INFO
T1 26dB	---	---	5735.2000	MHz	INFO
T2 26dB	---	---	5755.0400	MHz	INFO



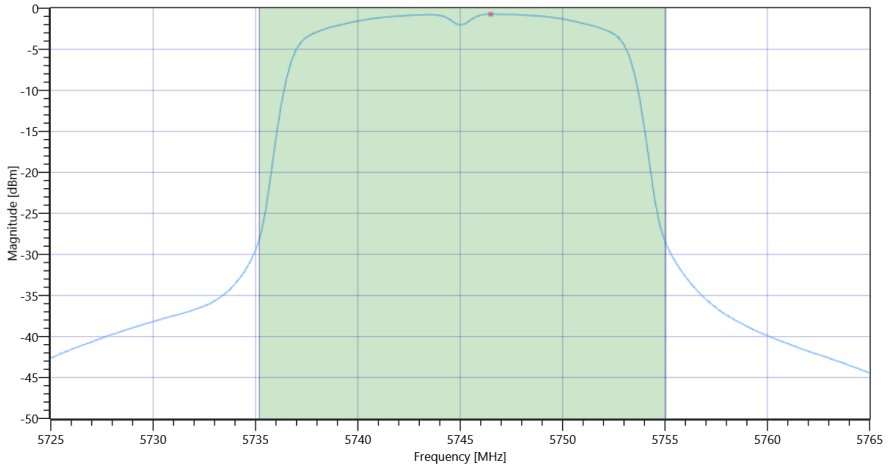
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.43 | 11.46 | 25
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	---	---	10.36	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	30	10.36	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.98	10.36	dBm	not applicable

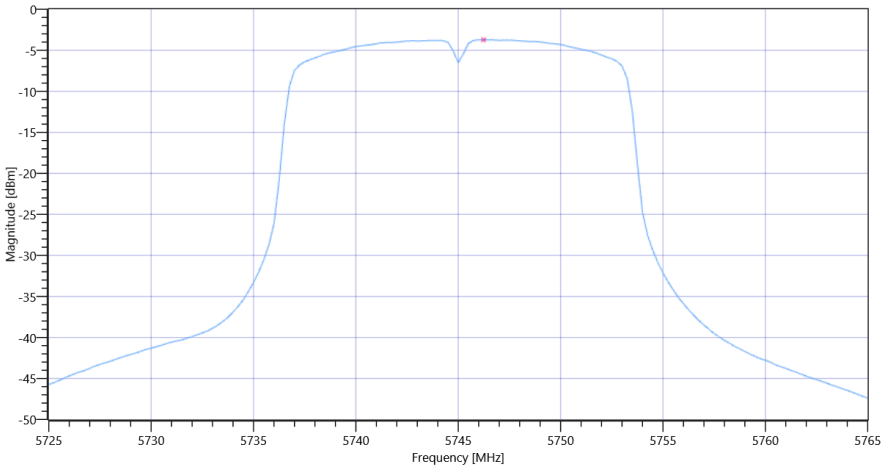


FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-3 Max OP and PSD

Power Spectral Density U-NII-3

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.43 | 11.46 | 25
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	---	---	-3.73	dBm/0.5MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	30	-3.73	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-2C

Test References	
TC Start	02.08.2022 13:33:36
Ambit Temp [°C] | Humidity [rel%]	28.3 | 42
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5600 MHz

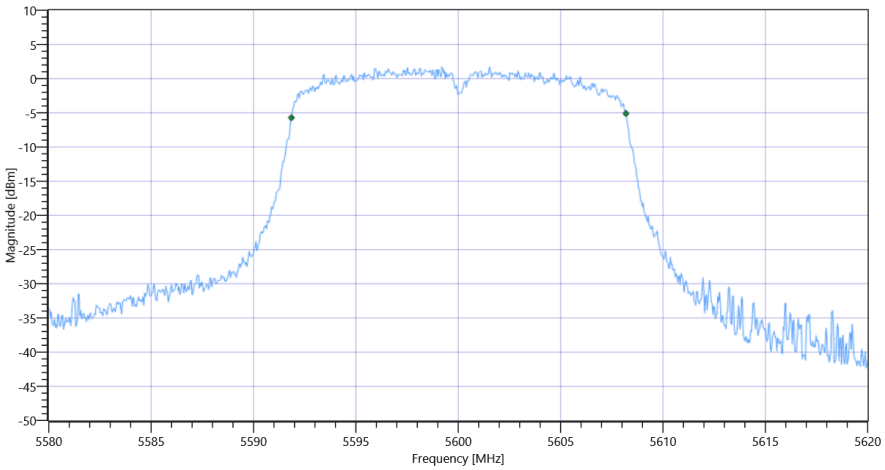
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.29	dBm	INFO
Ref. Frequency	---	---	5602.000	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.344	MHz	INFO
T1 99%	---	---	5591.8482	MHz	INFO
T2 99%	---	---	5608.1918	MHz	INFO



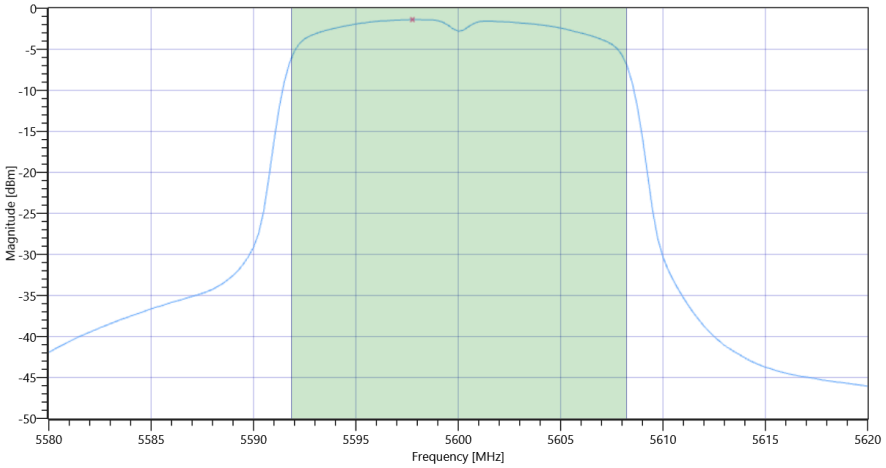
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.29 | 11.36 | 25
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	---	---	9.55	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	9.55	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.13	9.55	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	---	---	-1.38	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.38	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:31:58
Ambit Temp [°C] | Humidity [rel%]	28.2 | 42
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5600 MHz

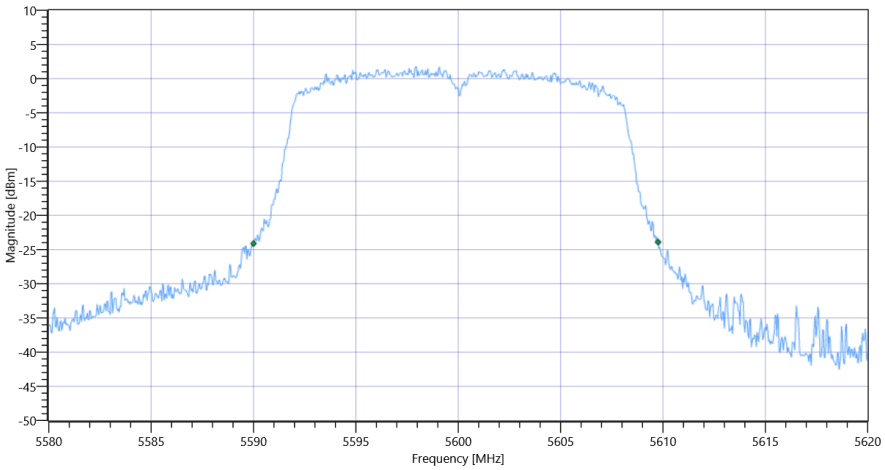
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.61	dBm	INFO
Ref. Frequency	---	---	5596.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	19.76	MHz	INFO
T1 26dB	---	---	5590.0000	MHz	INFO
T2 26dB	---	---	5609.7600	MHz	INFO



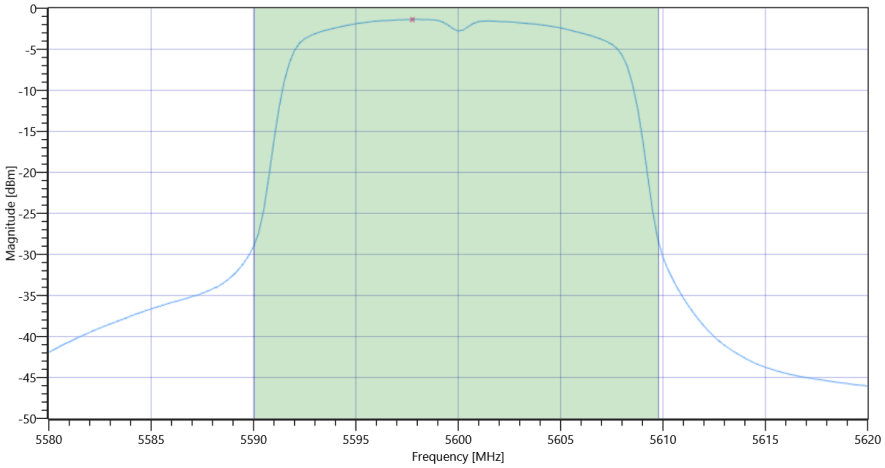
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.61 | 11.36 | 25
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	---	---	9.65	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	9.65	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.96	9.65	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	---	---	-1.37	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.37	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:28:53
Ambit Temp [°C] | Humidity [rel%]	28.1 | 42
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5500 MHz

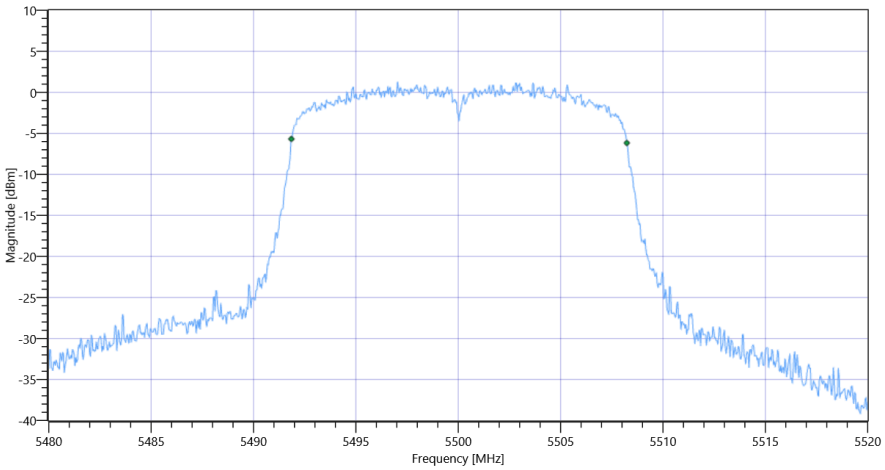
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.52	dBm	INFO
Ref. Frequency	---	---	5498.600	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	16.384	MHz	INFO
T1 99%	---	---	5491.8482	MHz	INFO
T2 99%	---	---	5508.2318	MHz	INFO



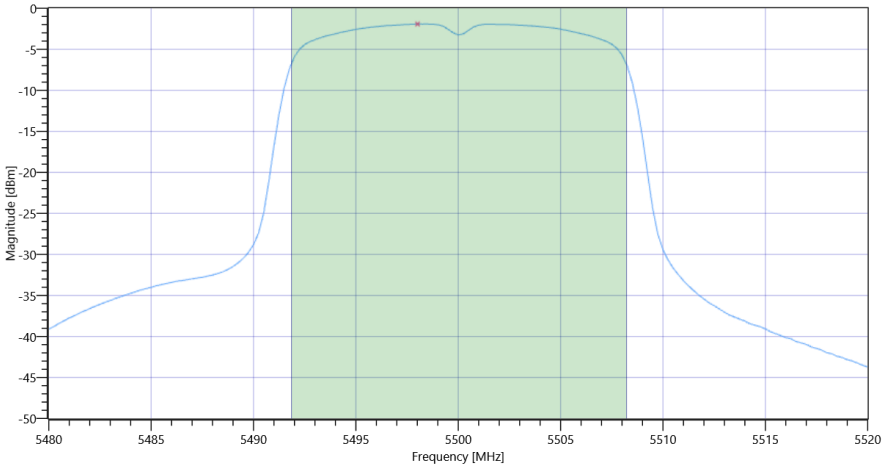
ISED RSS247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.52 | 11.34 | 25
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	---	---	9.13	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	9.13	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	23.14	9.13	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	---	---	-1.92	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.92	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:27:16
Ambit Temp [°C] | Humidity [rel%]	28.1 | 42
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI

Test at TX 5500 MHz

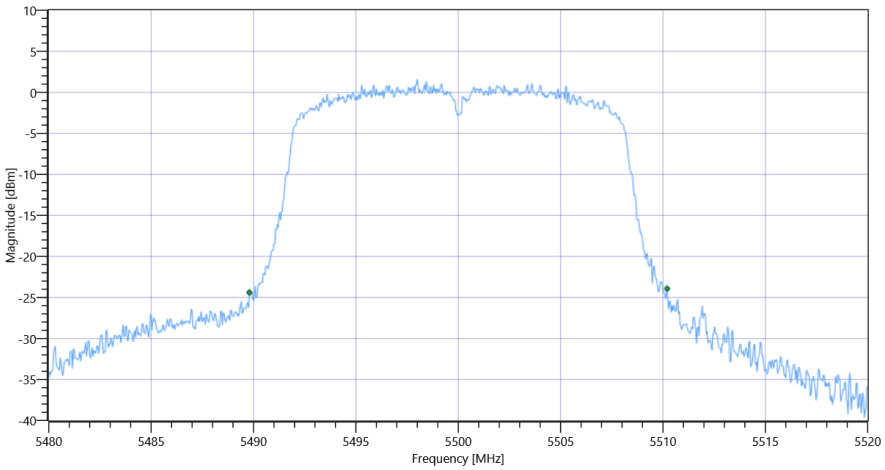
RESULT: Reference Power cond.					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	6.43	dBm	INFO
Ref. Frequency	---	---	5501.400	MHz	INFO

Evaluation max. Duty Cycle

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

Evaluation Bandwidth

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.4	MHz	INFO
T1 26dB	---	---	5489.8000	MHz	INFO
T2 26dB	---	---	5510.2000	MHz	INFO



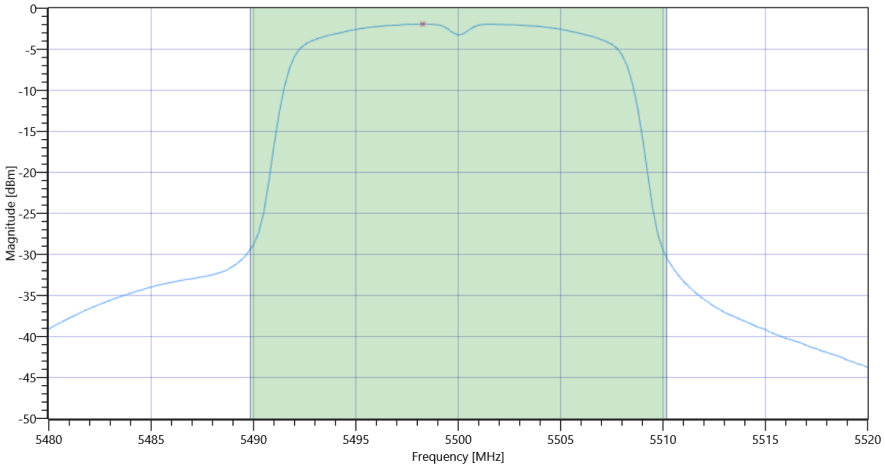
FCC 15.247 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C_BW

Maximum Output Power

READ SA SETTINGS:	
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.43 | 11.34 | 25
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	---	---	9.21	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					

RESULT					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power DC corrected	---	24	9.21	dBm	PASS
Limit by: 11 dBm + 10 log Bandwidth					
Max Output Power DC corrected	---	24.1	9.21	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	---	---	-1.93	dBm/1MHz	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Power Spectral Density DC corrected	---	11	-1.93	dBm/1MHz	PASS

General verdict	PASS

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

Test References	
TC Start	02.08.2022 13:24:05
Ambit Temp [°C] | Humidity [rel%]	28.1 | 42
System Version	3.3.0.1
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]	0.7
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment
Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI