

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

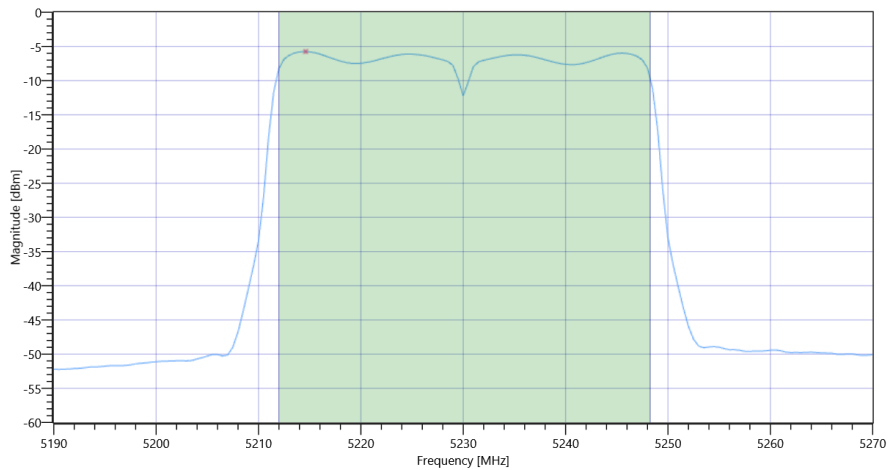
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.86 4.81 25
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	---	---	8.49	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	8.49	dBm	na
Limit: 11 dBm + 10 log 36.284					
Max Output Power DC corrected	---	26.6	8.49	dBm	na



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

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-5.75	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-5.75	dBm/1MHz	PASS

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

Test References

TC Start	28.10.2022 09:28:28
Ambit Temp [°C] Humidity [rel%]	26.0 43
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Add. Information	

EUT Common Settings WLAN5Gx

Number of Antenna Ports	1
User Interaction	No
Device Class UNII_1	Client

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5190
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5230
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5230 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.62	dBm	INFO
Ref. Frequency	---	---	5215.610	MHz	INFO

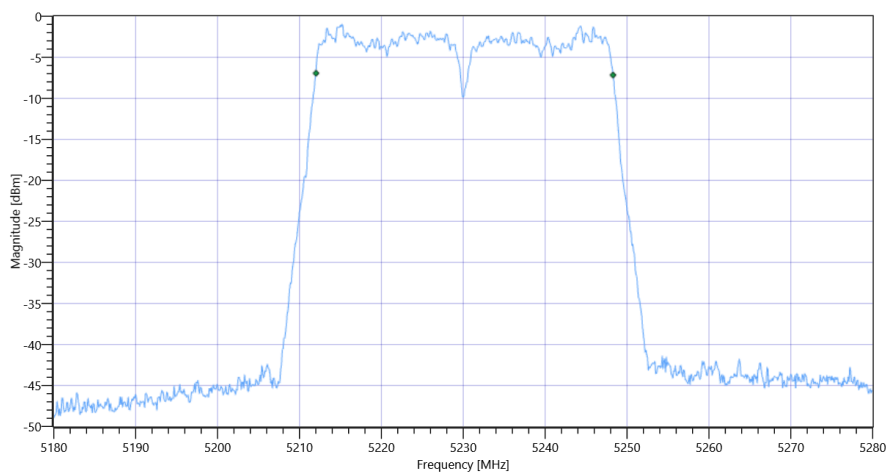
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.62 4.81 20
Start [MHz] Stop [MHz]	5180.000 5280.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

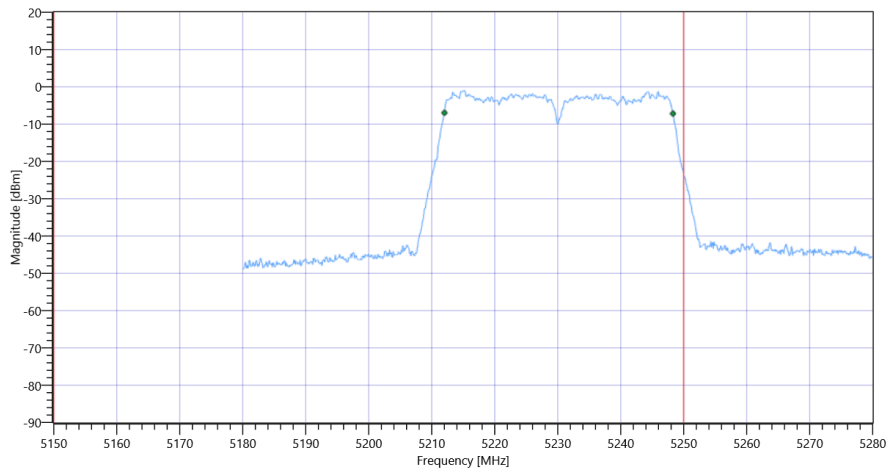
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5150.000000	---	5212.0180	MHz	PASS
T2 99%	---	5250.000000	5248.2817	MHz	PASS

Plot: Bandwidth only



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

Plot: Bandwidth within Band

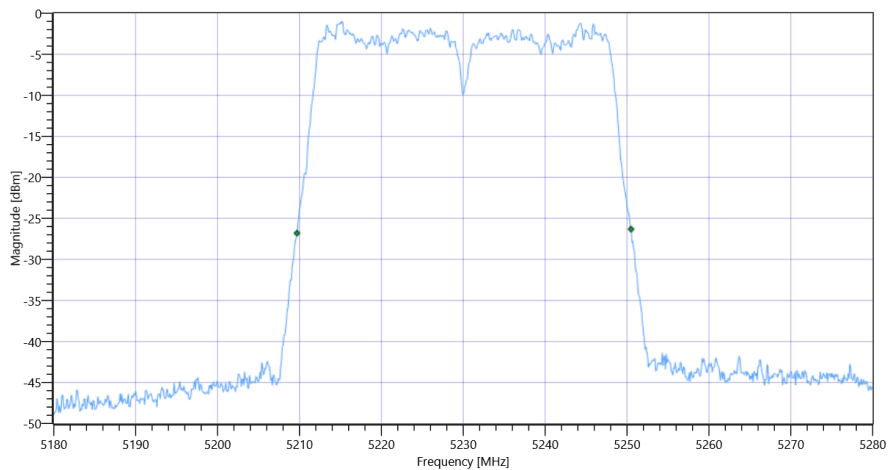


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-1

RESULT

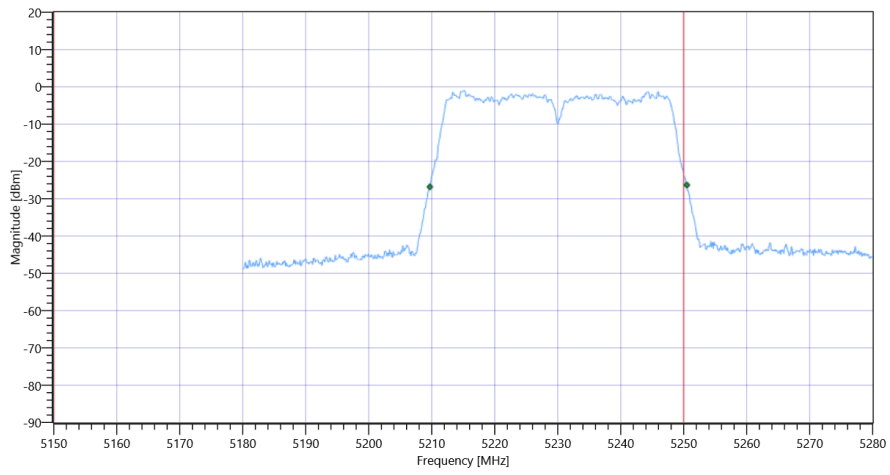
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO
T1 26dB	5150.000000	---	5209.7000	MHz	PASS
T2 26dB	---	5250.000000	5250.5000	MHz	DFS required

Plot: Bandwidth only



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

Plot: Bandwidth within Band



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

Message with SA scan ~

Test References

TC Start	28.10.2022 09:29:19
Ambit Temp [°C] Humidity [rel%]	26.0 43
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_2A
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 09:29:20
Message	set WLAN5Gx to n_HT40_U_NII_2A, Frequency [MHz] 5270 ,

Test Equipment

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

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:31:24
Ambit Temp [°C] Humidity [rel%]	26.1 43
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5270 MHz

RESULT: Reference Power cond.

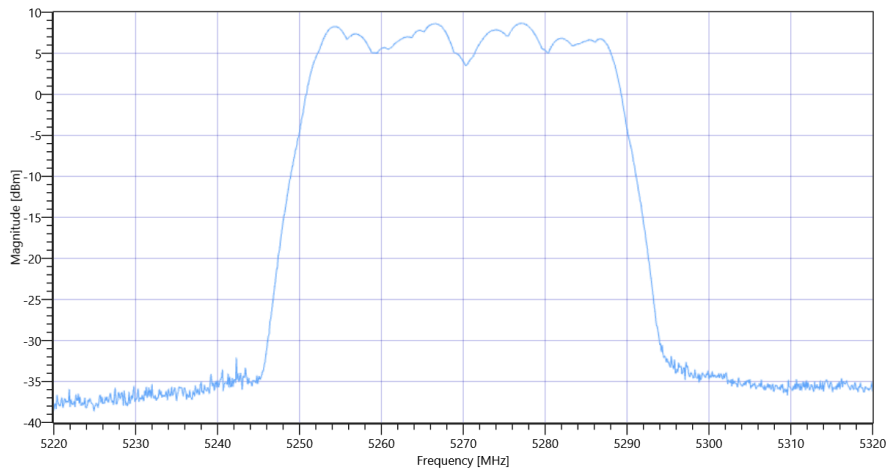
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.63	dBm	INFO
Ref. Frequency	---	---	5286.580	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.63 4.82 25
Start [MHz] Stop [MHz]	5220.000 5320.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.65	dBm	INFO
Peak Power	---	---	7.328245	mW	INFO
Frequency at Peak	---	---	5277.09	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2A

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:31:55
Ambit Temp [°C] Humidity [rel%]	26.1 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5270 MHz

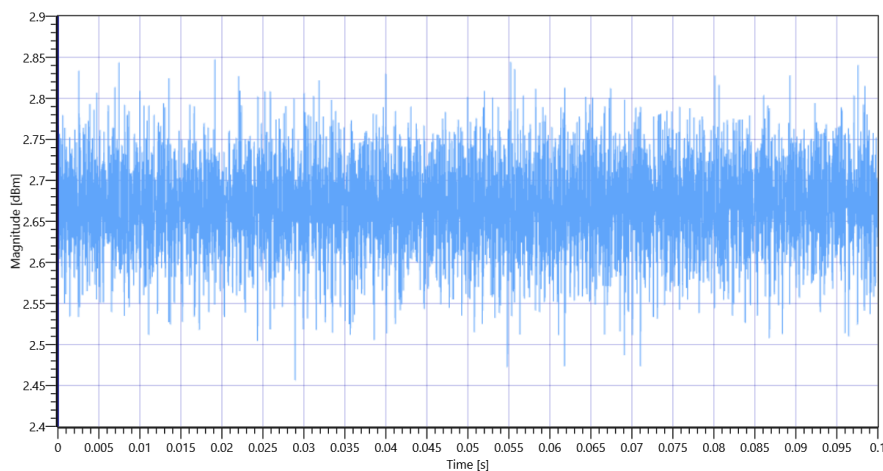
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.72	dBm	INFO
Ref. Frequency	---	---	5262.810	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

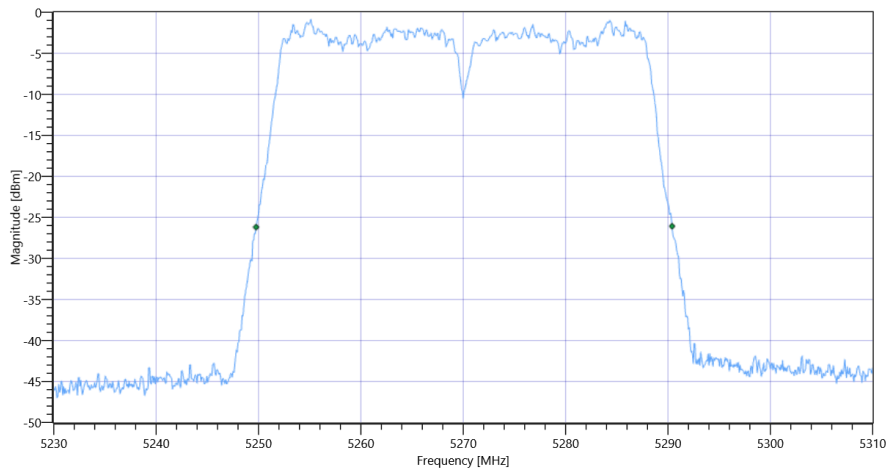


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A 5270 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.64	MHz	INFO
T1 26dB	---	---	5249.7600	MHz	INFO
T2 26dB	---	---	5290.4000	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A_BW

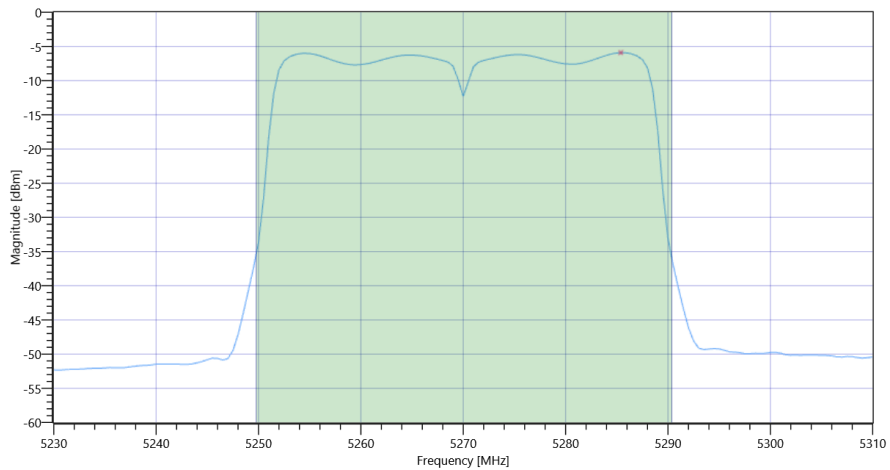
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.72 4.82 25
Start [MHz] Stop [MHz]	5230.000 5310.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	8.48	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	8.48	dBm	PASS
Limit: 11 dBm + 10 log 40.64					
Max Output Power DC corrected	--	27.09	8.48	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-5.91	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-5.91	dBm/1MHz	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:33:37
Ambit Temp [°C] Humidity [rel%]	26.2 43
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5270 MHz

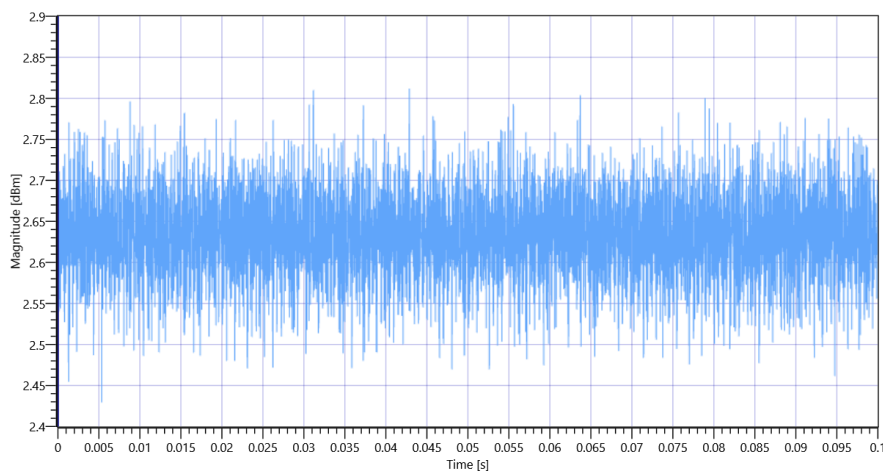
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.61	dBm	INFO
Ref. Frequency	---	---	5284.190	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

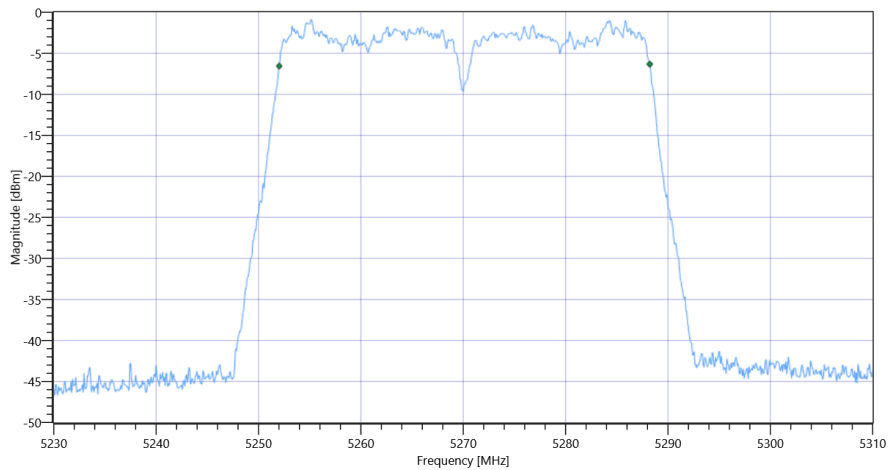


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A 5270 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.204	MHz	INFO
T1 99%	---	---	5252.0180	MHz	INFO
T2 99%	---	---	5288.2218	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A_BW

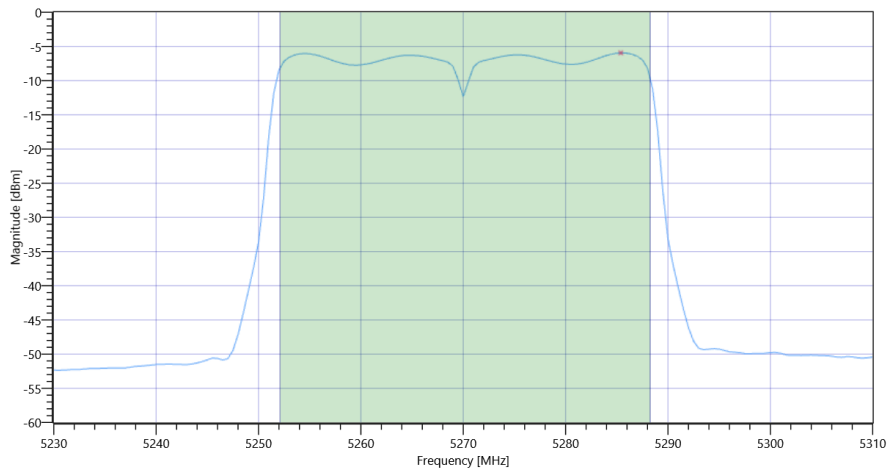
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.61 4.82 25
Start [MHz] Stop [MHz]	5230.000 5310.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	8.38	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	8.38	dBm	PASS
Limit: 11 dBm + 10 log 36.204					
Max Output Power DC corrected	--	26.59	8.38	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-5.94	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-5.94	dBm/1MHz	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:35:20
Ambit Temp [°C] Humidity [rel%]	26.2 43
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5270 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.74	dBm	INFO
Ref. Frequency	---	---	5262.810	MHz	INFO

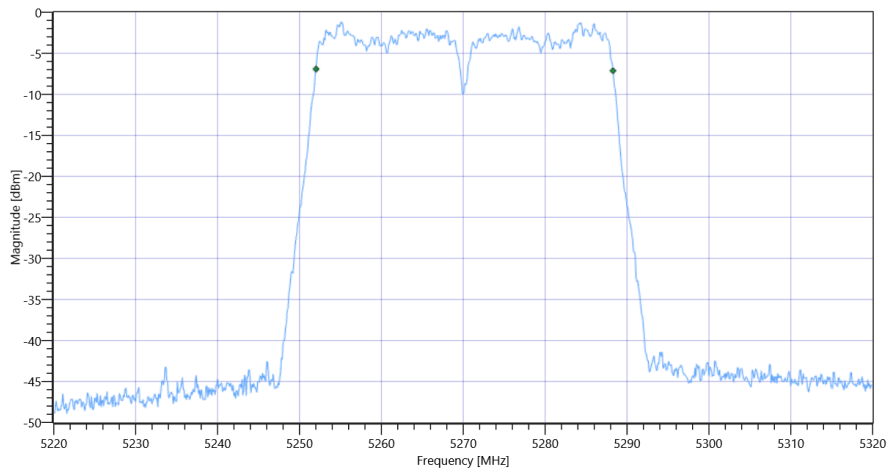
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.74 4.82 20
Start [MHz] Stop [MHz]	5220.000 5320.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

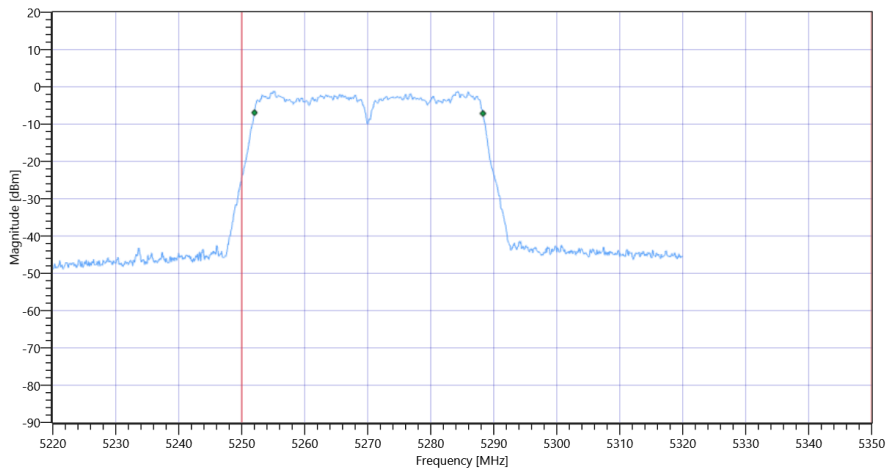
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5250.000000	---	5252.0180	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.2817	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A 99PCT

Plot: Bandwidth within Band

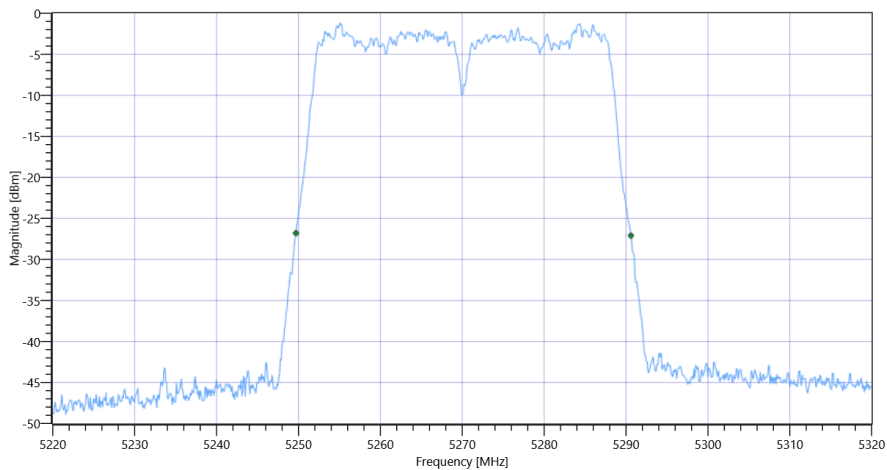


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

RESULT

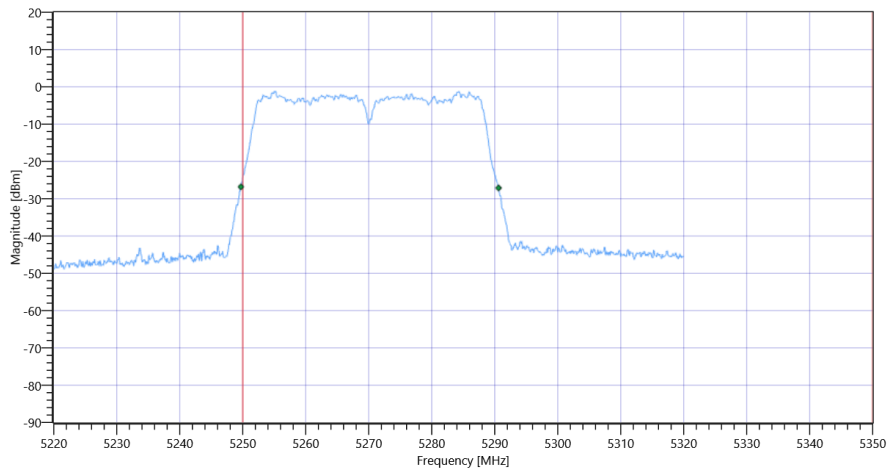
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.9	MHz	INFO
T1 26dB	5250.000000	---	5249.7000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.6000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

Message with SA scan ~

Test References

TC Start	28.10.2022 09:36:11
Ambit Temp [°C] Humidity [rel%]	26.2 43
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_2A
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 09:36:12
Message	set WLAN5Gx to n_HT40_U_NII_2A, Frequency [MHz] 5310

Test Equipment

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

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:38:04
Ambit Temp [°C] Humidity [rel%]	26.2 43
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5310 MHz

RESULT: Reference Power cond.

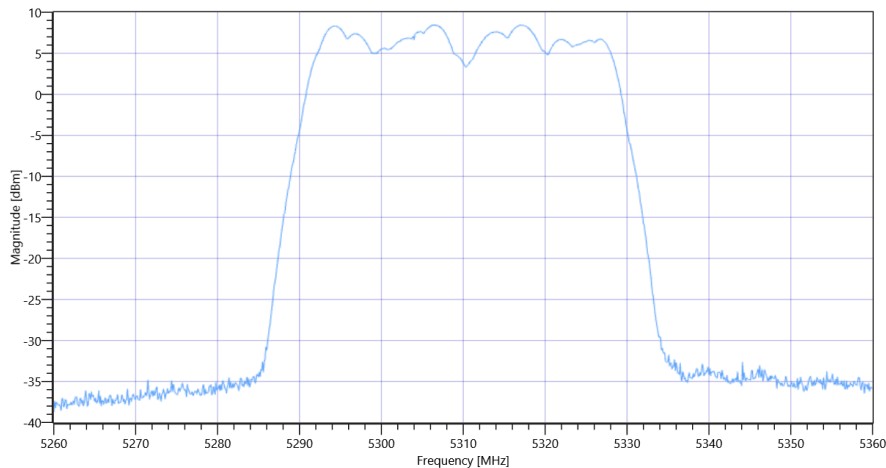
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.63	dBm	INFO
Ref. Frequency	---	---	5324.190	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.63 4.82 25
Start [MHz] Stop [MHz]	5260.000 5360.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	8.45	dBm	INFO
Peak Power	---	---	6.99842	mW	INFO
Frequency at Peak	---	---	5306.5	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2A

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:38:34
Ambit Temp [°C] Humidity [rel%]	26.3 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5310 MHz

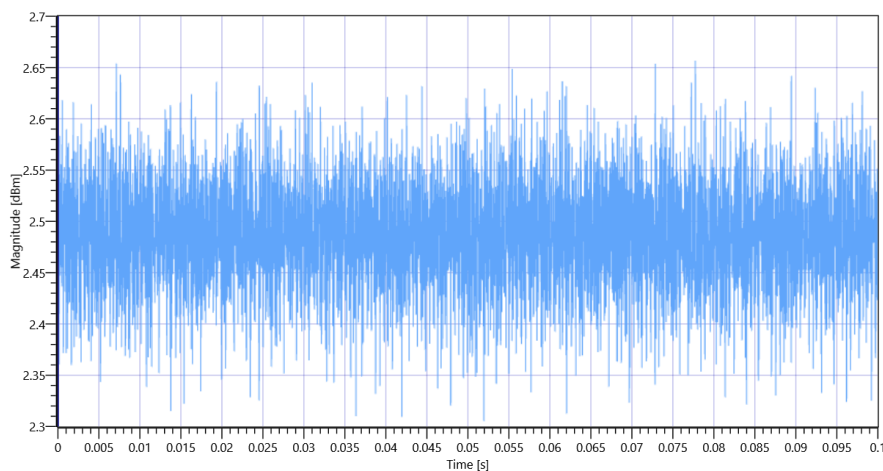
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.51	dBm	INFO
Ref. Frequency	---	---	5324.190	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

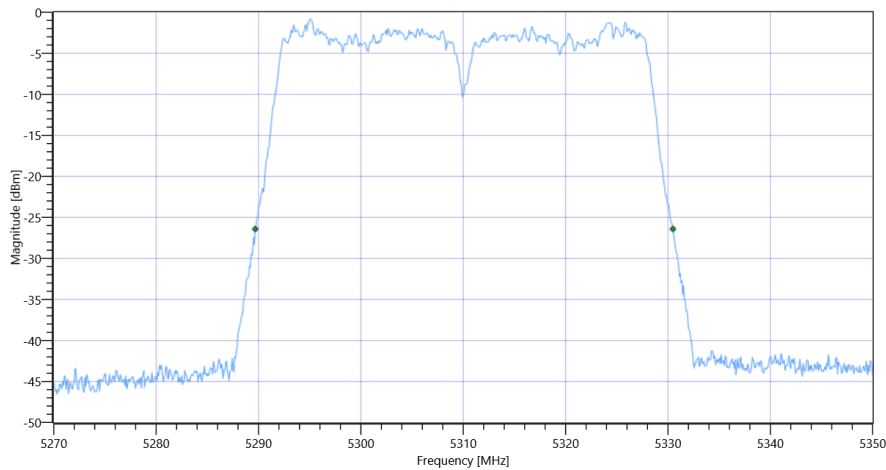


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A 5310 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO
T1 26dB	---	---	5289.6800	MHz	INFO
T2 26dB	---	---	5330.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A_BW

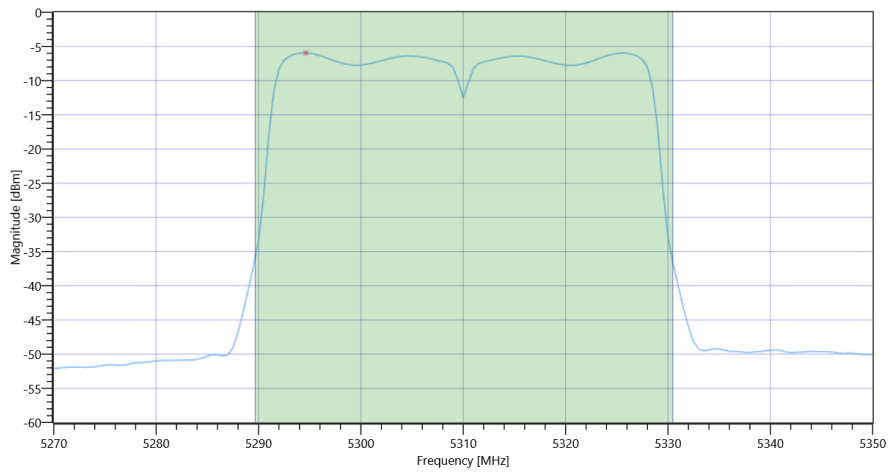
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.51 4.82 25
Start [MHz] Stop [MHz]	5270.000 5350.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	8.38	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	8.38	dBm	PASS
Limit: 11 dBm + 10 log 40.8					
Max Output Power DC corrected	--	27.11	8.38	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-5.94	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-5.94	dBm/1MHz	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:40:17
Ambit Temp [°C] Humidity [rel%]	26.3 43
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5310 MHz

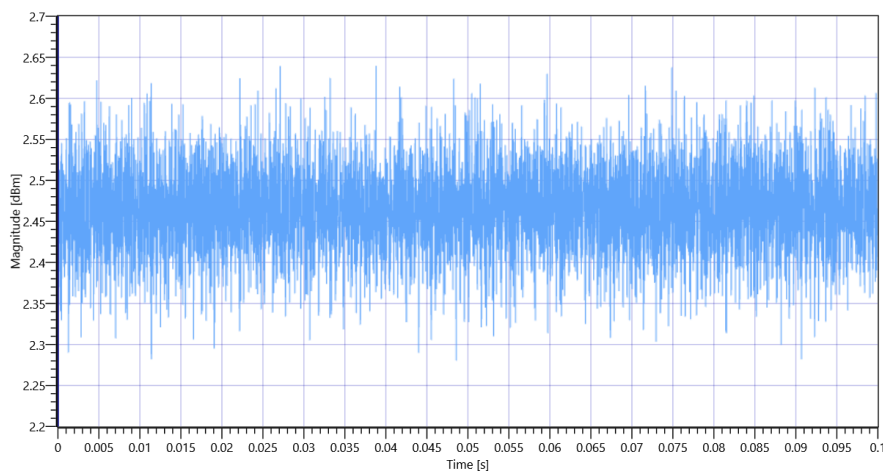
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.62	dBm	INFO
Ref. Frequency	---	---	5326.180	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

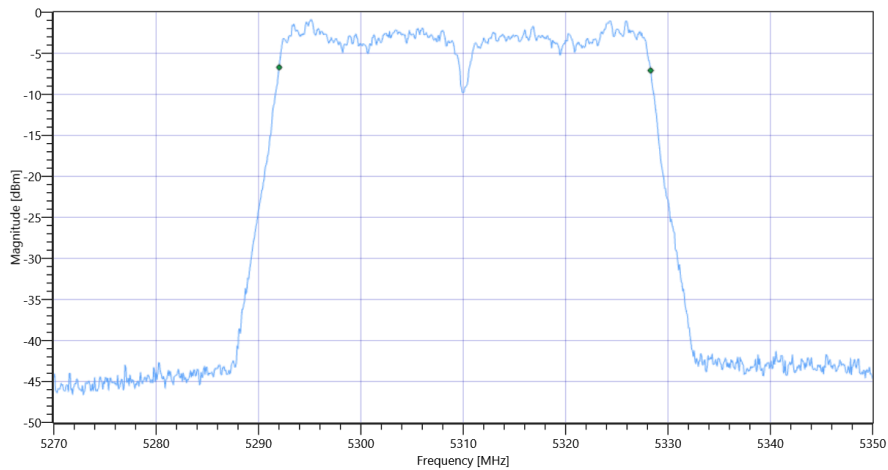


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A 5310 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.284	MHz	INFO
T1 99%	---	---	5292.0180	MHz	INFO
T2 99%	---	---	5328.3017	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A_BW

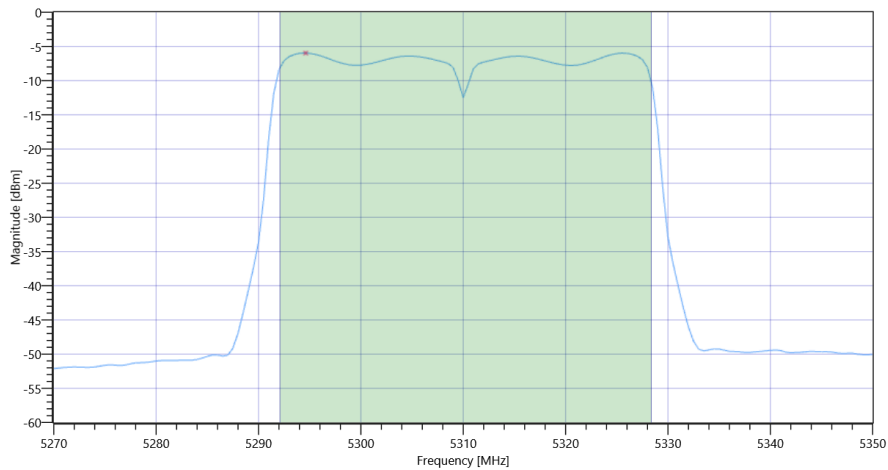
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.62 4.82 25
Start [MHz] Stop [MHz]	5270.000 5350.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	8.3	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	8.3	dBm	PASS
Limit: 11 dBm + 10 log 36.284					
Max Output Power DC corrected	--	26.6	8.3	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-5.96	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-5.96	dBm/1MHz	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

Test References

TC Start	28.10.2022 09:42:00
Ambit Temp [°C] Humidity [rel%]	26.3 43
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5270
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5310
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5310 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	1.00	dBm	INFO
Ref. Frequency	---	---	5323.190	MHz	INFO

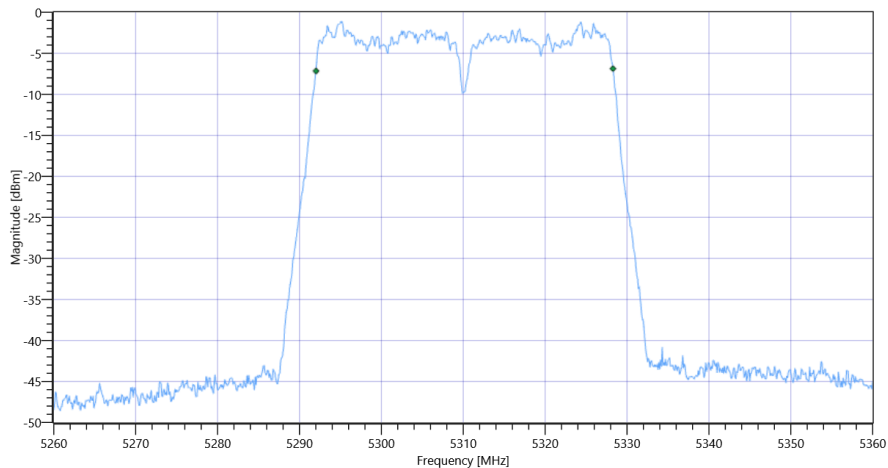
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.00 4.82 20
Start [MHz] Stop [MHz]	5260.000 5360.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

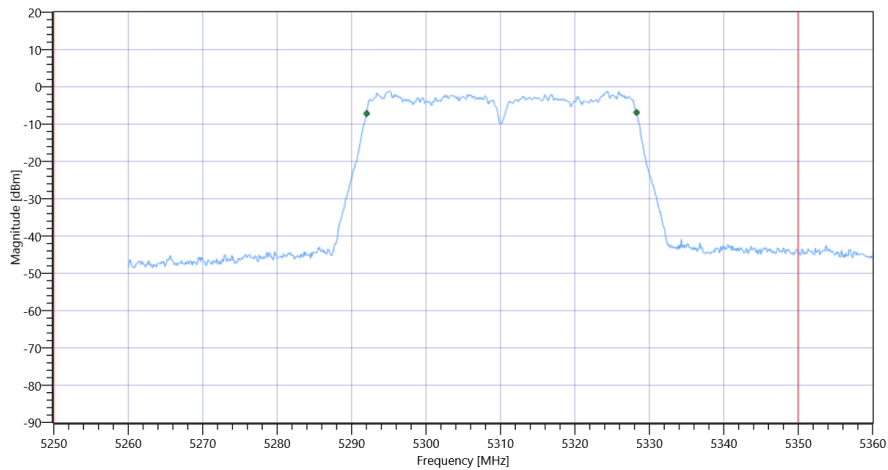
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5250.000000	---	5292.0180	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.2817	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A 99PCT

Plot: Bandwidth within Band

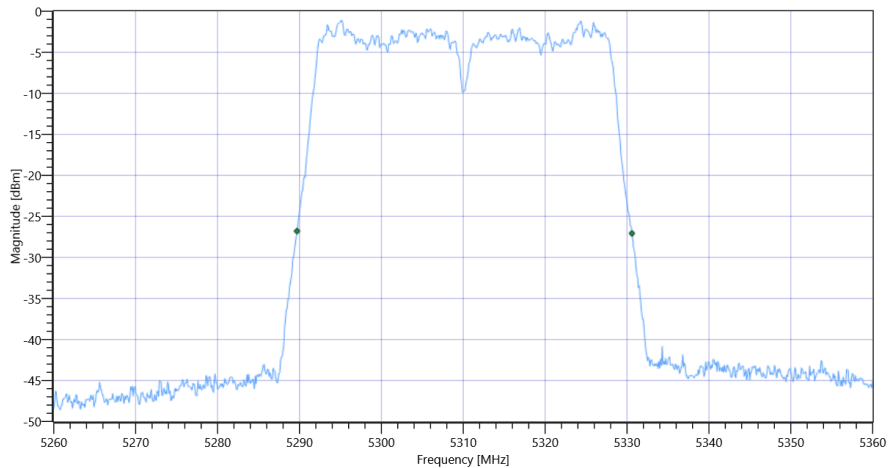


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

RESULT

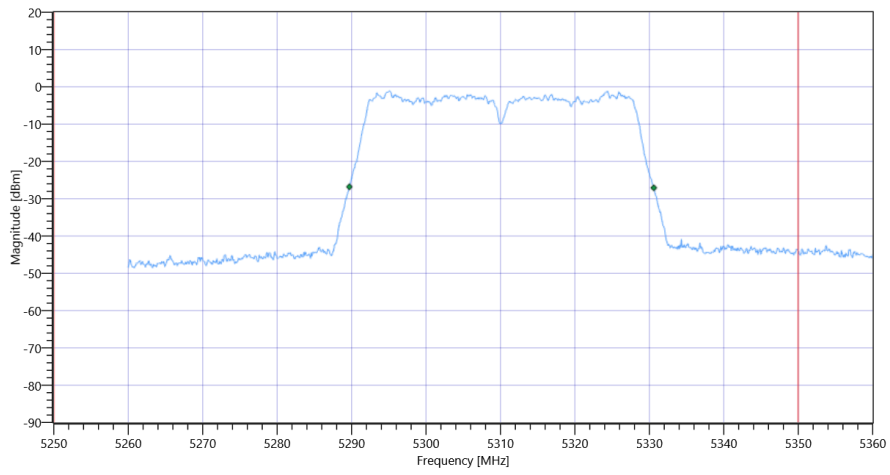
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.9	MHz	INFO
T1 26dB	5250.000000	---	5289.7000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.6000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2A

Message with SA scan ~

Test References

TC Start	28.10.2022 09:42:51
Ambit Temp [°C] Humidity [rel%]	26.4 43
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_2C
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 09:42:53
Message	set WLAN5Gx to n_HT40_U_NII_2C, Frequency [MHz] 5510 ,

Test Equipment

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

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:45:25
Ambit Temp [°C] Humidity [rel%]	26.4 43
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5510 MHz

RESULT: Reference Power cond.

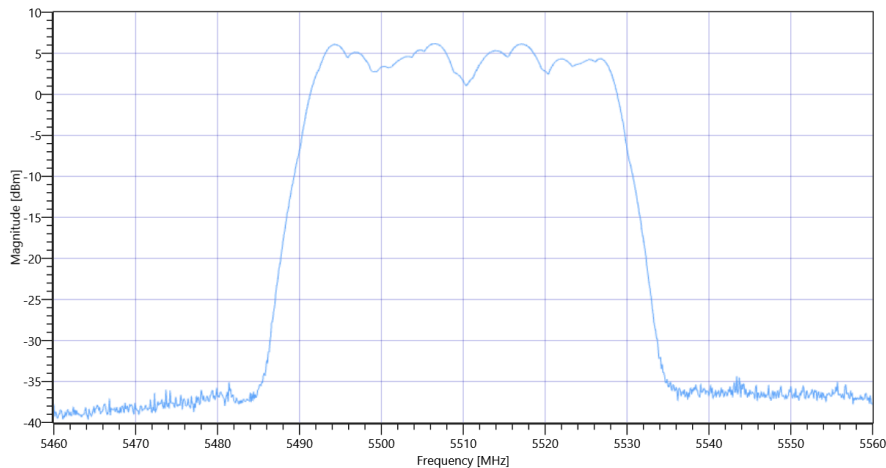
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.78	dBm	INFO
Ref. Frequency	---	---	5494.820	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.22 4.79 25
Start [MHz] Stop [MHz]	5460.000 5560.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	6.17	dBm	INFO
Peak Power	---	---	4.139997	mW	INFO
Frequency at Peak	---	---	5506.5	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:45:56
Ambit Temp [°C] Humidity [rel%]	26.4 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5510 MHz

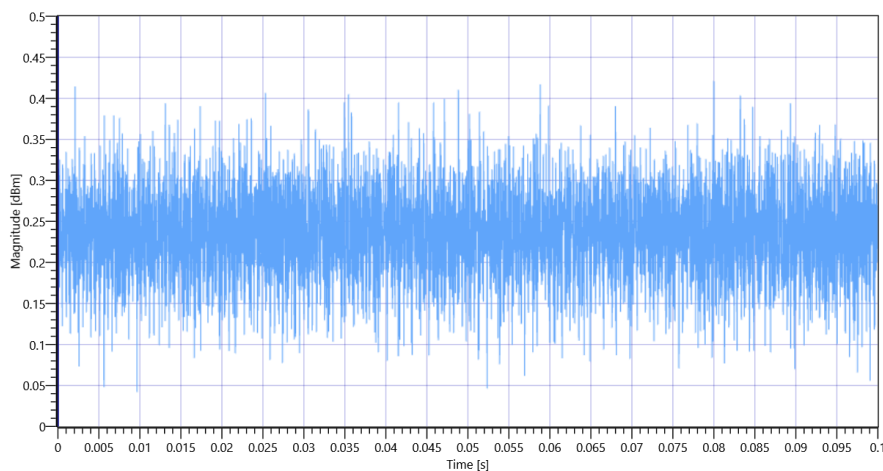
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.69	dBm	INFO
Ref. Frequency	---	---	5525.180	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

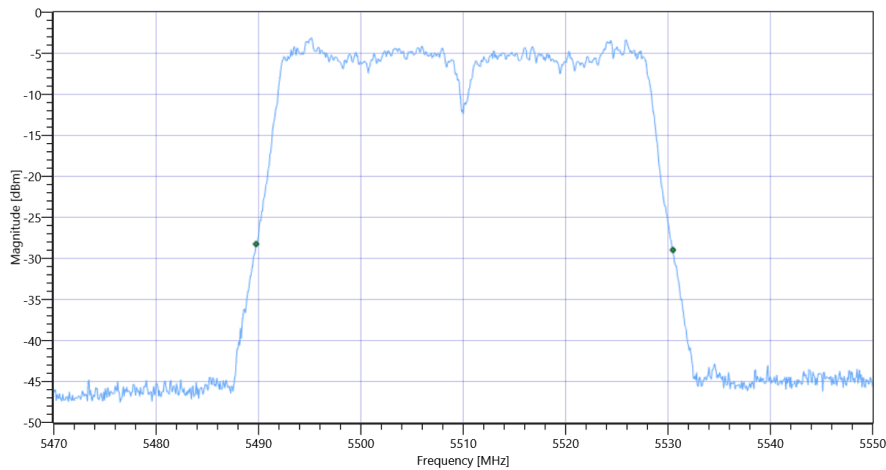


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.72	MHz	INFO
T1 26dB	---	---	5489.7600	MHz	INFO
T2 26dB	---	---	5530.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

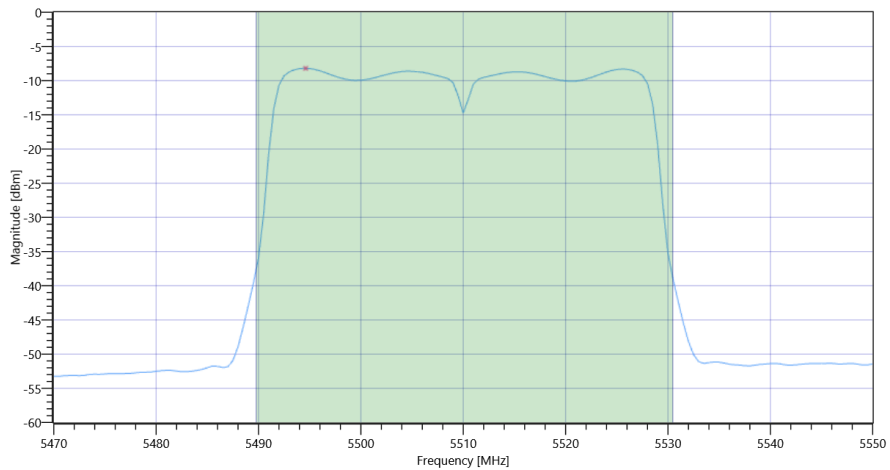
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.31 4.79 25
Start [MHz] Stop [MHz]	5470.000 5550.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	6.1	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.1	dBm	PASS
Limit: 11 dBm + 10 log 40.72					
Max Output Power DC corrected	---	27.1	6.1	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.2	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.2	dBm/1MHz	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:47:43
Ambit Temp [°C] Humidity [rel%]	26.5 43
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5510 MHz

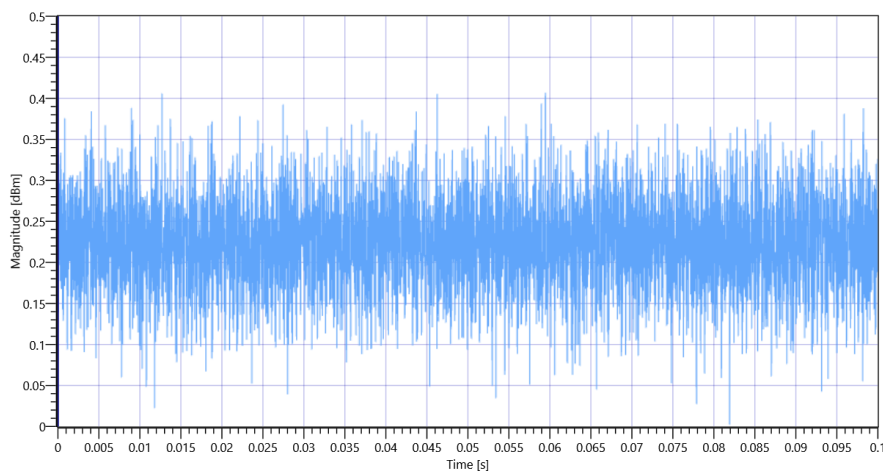
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.91	dBm	INFO
Ref. Frequency	---	---	5524.590	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

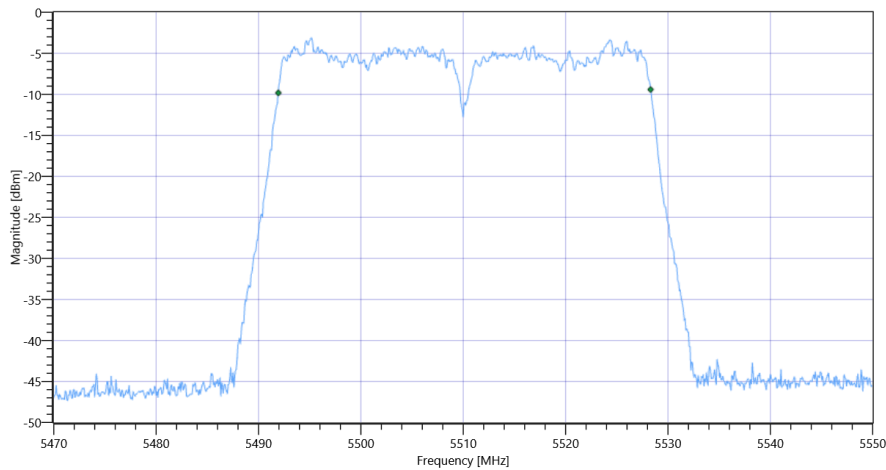


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5510 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.364	MHz	INFO
T1 99%	---	---	5491.9381	MHz	INFO
T2 99%	---	---	5528.3017	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

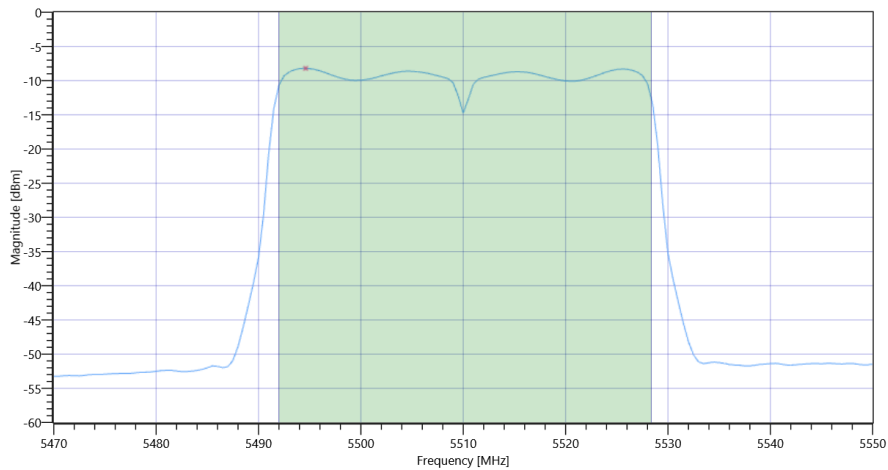
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.09 4.79 25
Start [MHz] Stop [MHz]	5470.000 5550.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	6.05	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.05	dBm	PASS
Limit: 11 dBm + 10 log 36.364					
Max Output Power DC corrected	---	26.61	6.05	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.2	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.2	dBm/1MHz	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:49:30
Ambit Temp [°C] Humidity [rel%]	26.5 43
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5510 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.55	dBm	INFO
Ref. Frequency	---	---	5494.820	MHz	INFO

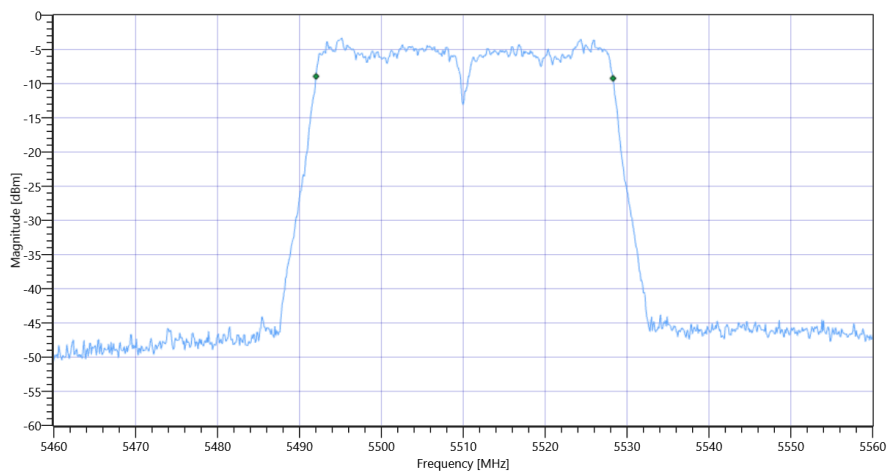
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.45 4.79 20
Start [MHz] Stop [MHz]	5460.000 5560.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

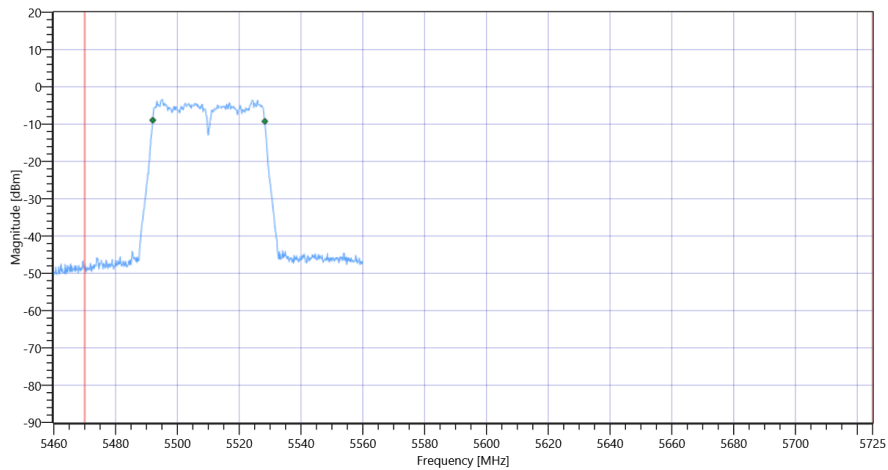
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5470.000000	---	5492.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.2817	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT

Plot: Bandwidth within Band

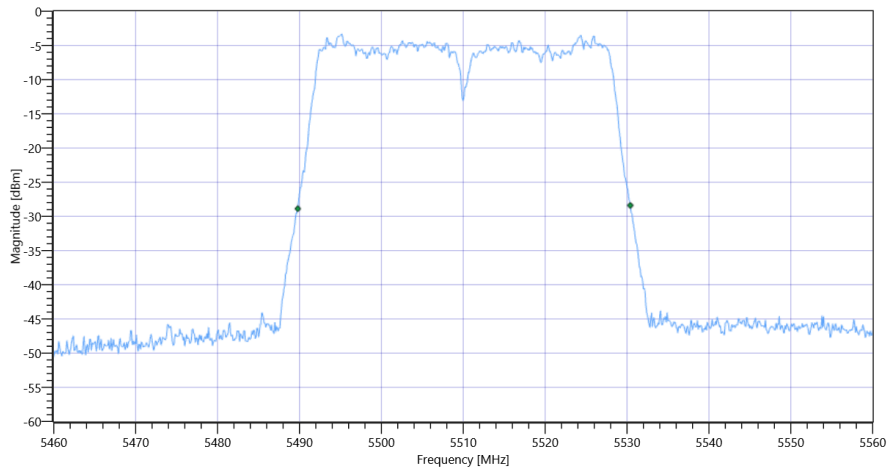


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

RESULT

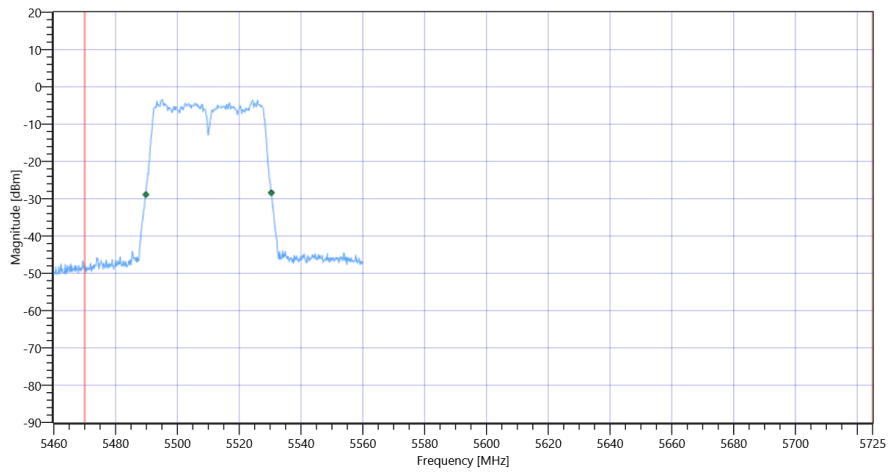
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.6	MHz	INFO
T1 26dB	5470.000000	---	5489.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.4000	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Message with SA scan ~

Test References

TC Start	28.10.2022 09:50:29
Ambit Temp [°C] Humidity [rel%]	26.5 43
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_2C
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 09:50:30
Message	set WLAN5Gx to n_HT40_U_NII_2C, Frequency [MHz] 5590 ,

Test Equipment

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

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:52:22
Ambit Temp [°C] Humidity [rel%]	26.6 43
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5590 MHz

RESULT: Reference Power cond.

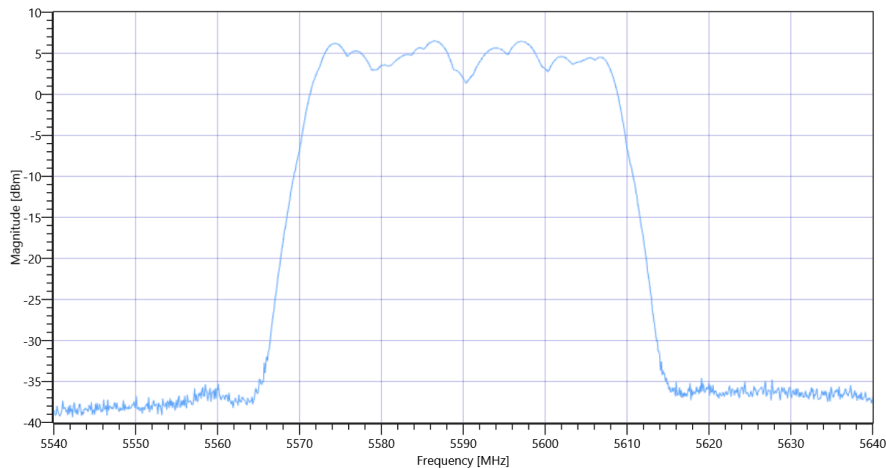
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.75	dBm	INFO
Ref. Frequency	---	---	5585.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.25 4.84 25
Start [MHz] Stop [MHz]	5540.000 5640.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	6.5	dBm	INFO
Peak Power	---	---	4.466836	mW	INFO
Frequency at Peak	---	---	5586.6	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:52:53
Ambit Temp [°C] Humidity [rel%]	26.6 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5590 MHz

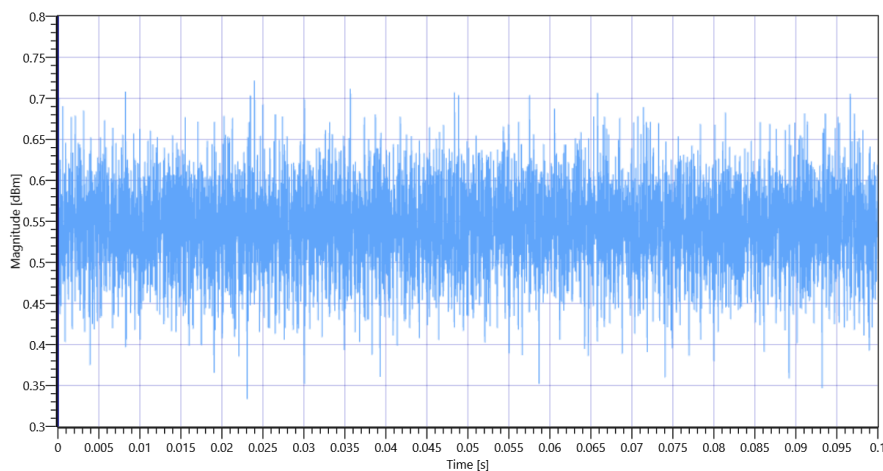
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.34	dBm	INFO
Ref. Frequency	---	---	5574.820	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

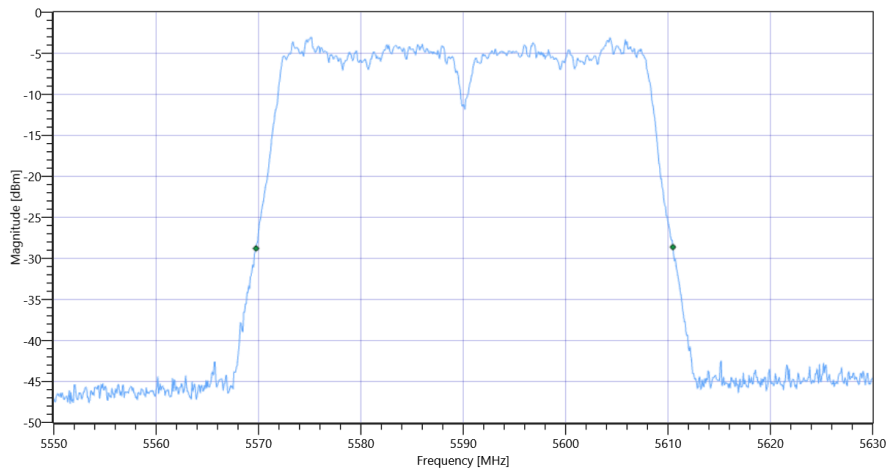


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.72	MHz	INFO
T1 26dB	---	---	5569.7600	MHz	INFO
T2 26dB	---	---	5610.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

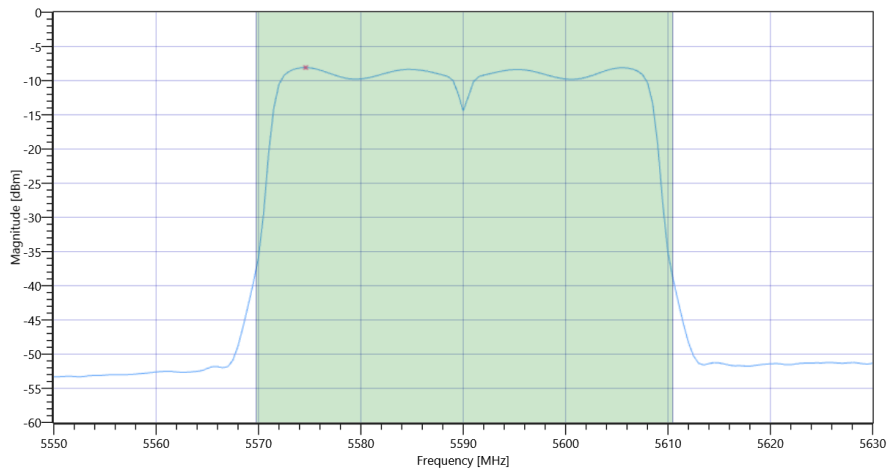
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.66 4.84 25
Start [MHz] Stop [MHz]	5550.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	6.33	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	6.33	dBm	PASS
Limit: 11 dBm + 10 log 40.72					
Max Output Power DC corrected	--	27.1	6.33	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.09	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.09	dBm/1MHz	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:54:36
Ambit Temp [°C] Humidity [rel%]	26.6 43
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5590 MHz

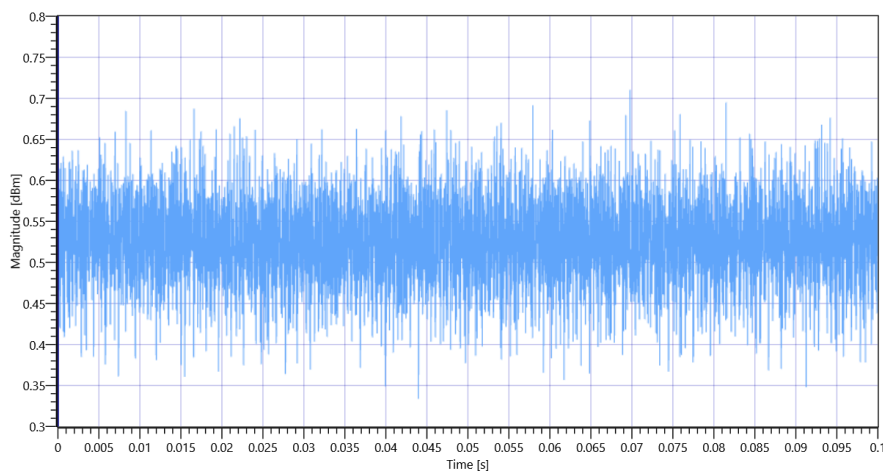
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.33	dBm	INFO
Ref. Frequency	---	---	5574.620	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

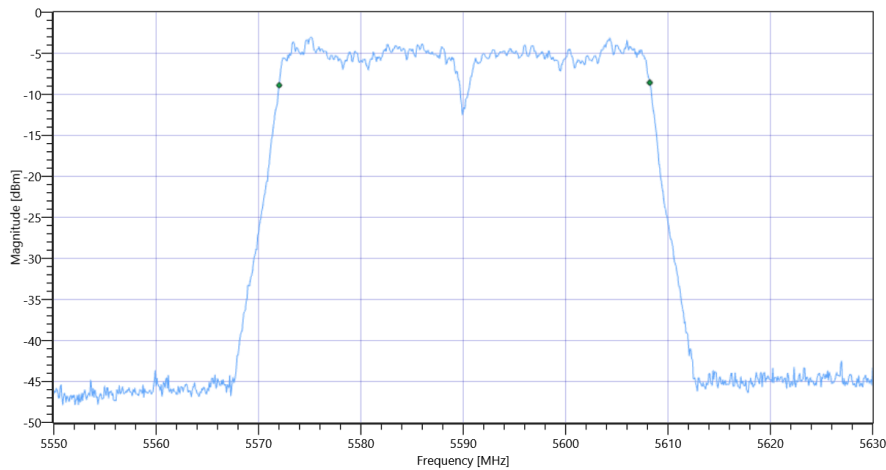


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5590 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.204	MHz	INFO
T1 99%	---	---	5572.0180	MHz	INFO
T2 99%	---	---	5608.2218	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

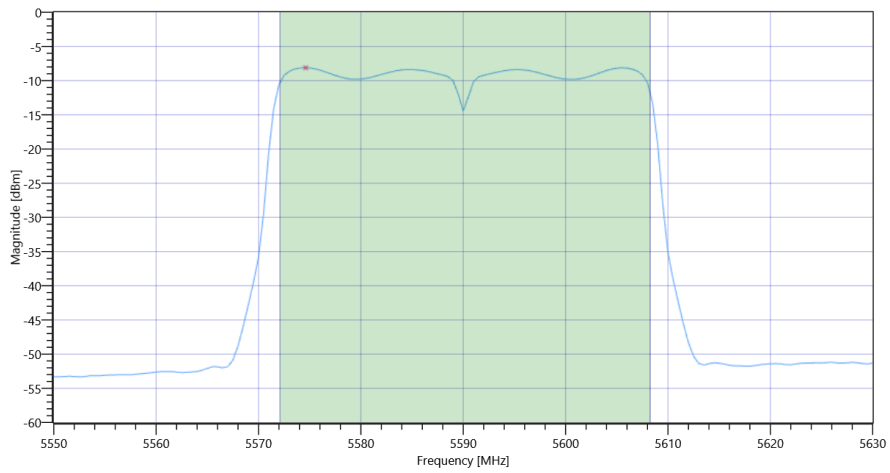
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.67 4.84 25
Start [MHz] Stop [MHz]	5550.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	---	---	6.25	dBm	INFO
Duty Cycle Correction	---	---	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	---	24	6.25	dBm	PASS
Limit: 11 dBm + 10 log 36.204					
Max Output Power DC corrected	---	26.59	6.25	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.11	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.11	dBm/1MHz	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 09:56:20
Ambit Temp [°C] Humidity [rel%]	26.6 43
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	True Freq [MHz] 5590
Frequency high to test	False Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5590 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.39	dBm	INFO
Ref. Frequency	---	---	5606.180	MHz	INFO

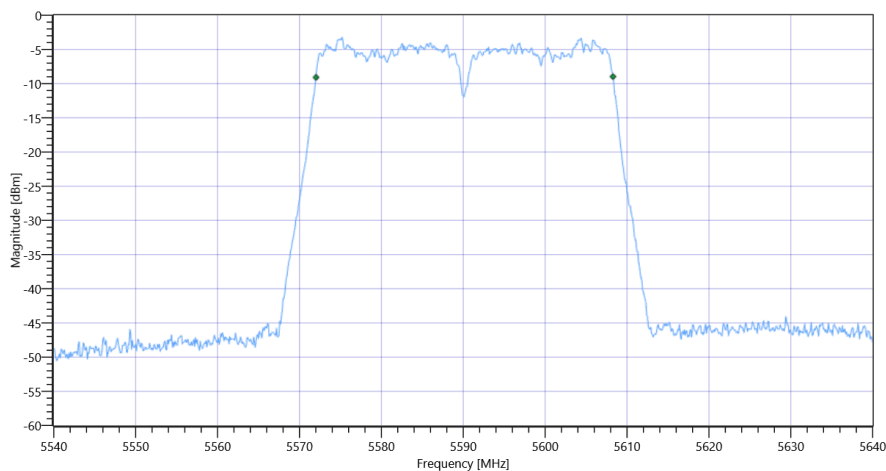
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.61 4.84 20
Start [MHz] Stop [MHz]	5540.000 5640.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

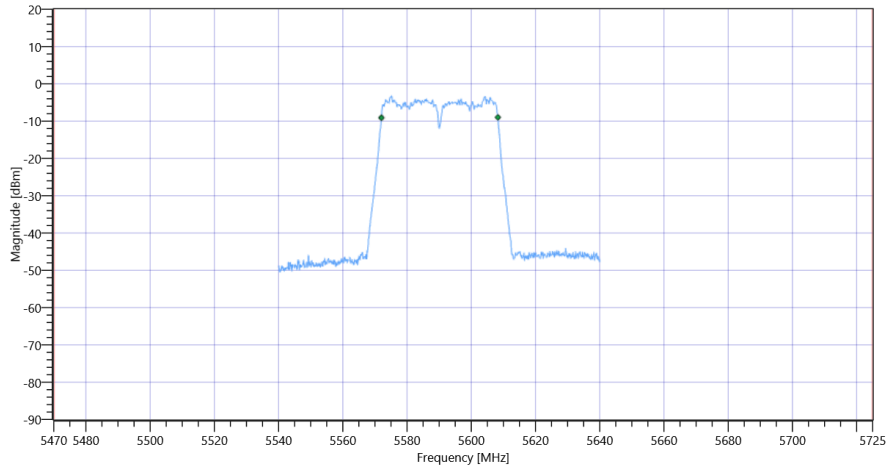
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5470.000000	---	5572.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5608.2817	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT

Plot: Bandwidth within Band

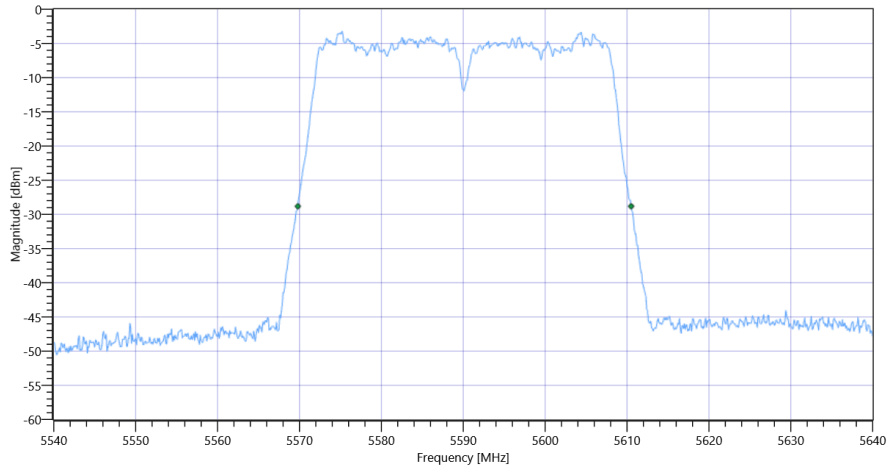


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

RESULT

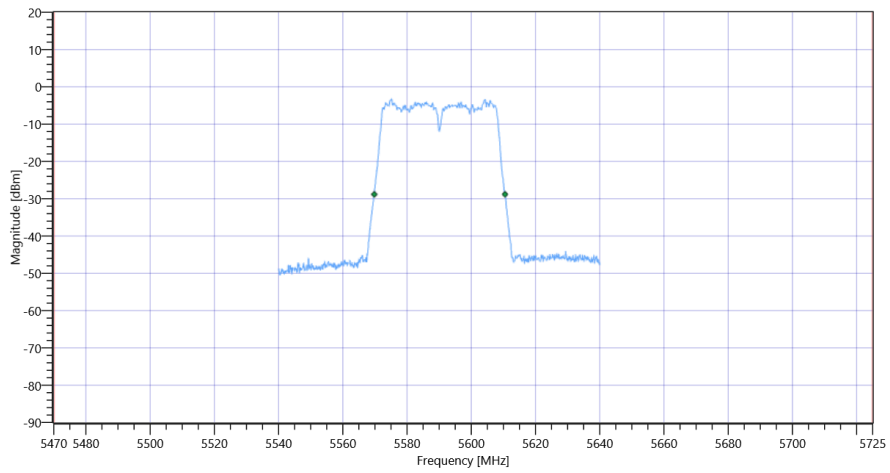
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.7	MHz	INFO
T1 26dB	5470.000000	---	5569.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.5000	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Message with SA scan ~

Test References

TC Start	28.10.2022 09:57:19
Ambit Temp [°C] Humidity [rel%]	26.7 43
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_2C
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 09:57:21
Message	set WLAN5Gx to n_HT40_U_NII_2C, Frequency [MHz] 5670

Test Equipment

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

Common 5Gx 6Gx # Peak output power 3MHz/3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 10:07:49
Ambit Temp [°C] Humidity [rel%]	26.8 42
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5670 MHz

RESULT: Reference Power cond.

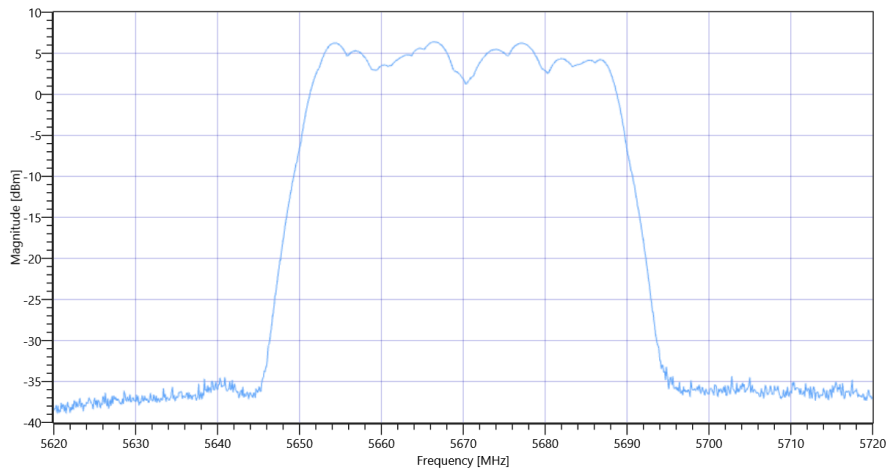
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.32	dBm	INFO
Ref. Frequency	---	---	5655.010	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.68 4.92 25
Start [MHz] Stop [MHz]	5620.000 5720.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	6.39	dBm	INFO
Peak Power	---	---	4.355119	mW	INFO
Frequency at Peak	---	---	5666.6	MHz	INFO



Common 5Gx 6Gx # Peak output power 3MHz-3MHz ~ WLAN5Gx n-HT40 mode U-NII-2C

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 10:08:20
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5670 MHz

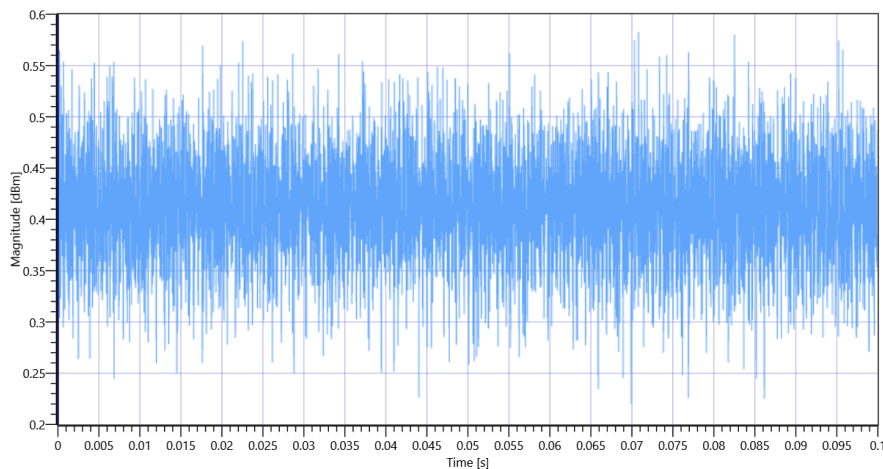
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.44	dBm	INFO
Ref. Frequency	---	---	5655.010	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

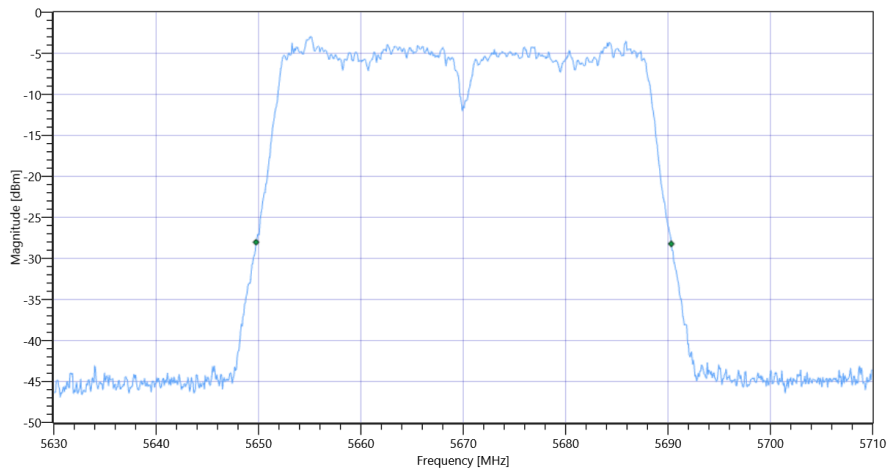


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5670 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.56	MHz	INFO
T1 26dB	---	---	5649.7600	MHz	INFO
T2 26dB	---	---	5690.3200	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

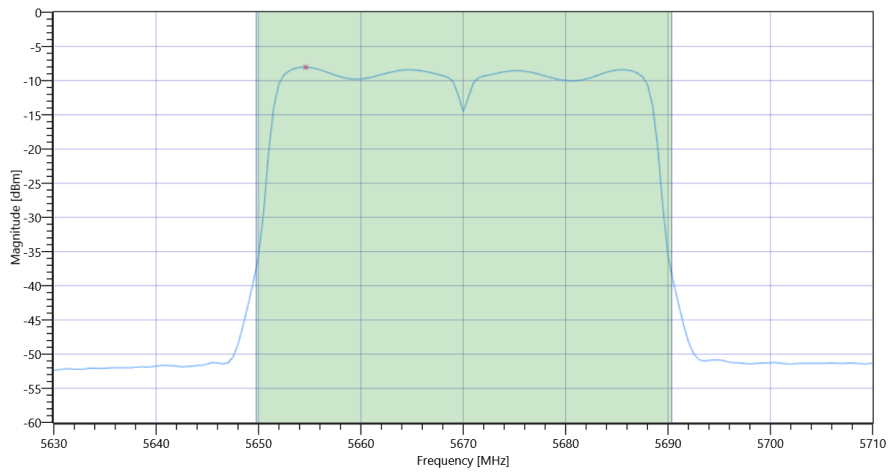
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.56 4.92 25
Start [MHz] Stop [MHz]	5630.000 5710.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	6.22	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	6.22	dBm	PASS
Limit: 11 dBm + 10 log 40.56					
Max Output Power DC corrected	--	27.08	6.22	dBm	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.04	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.04	dBm/1MHz	PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 10:10:04
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5670 MHz

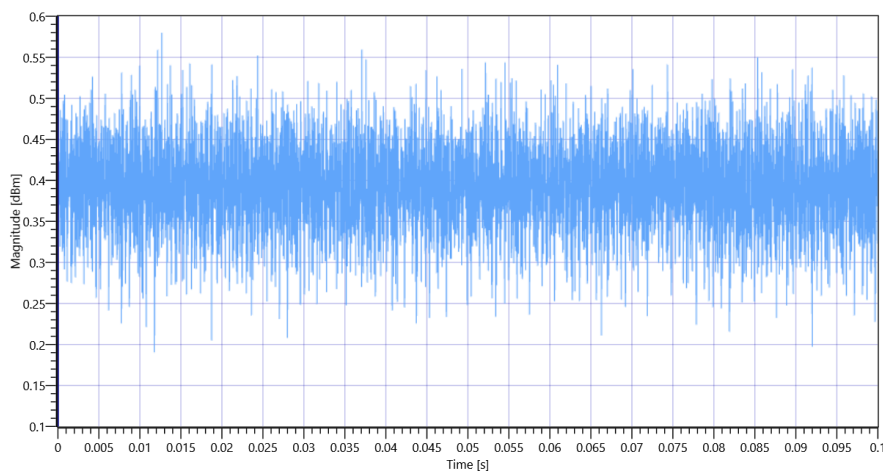
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.74	dBm	INFO
Ref. Frequency	---	---	5664.810	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

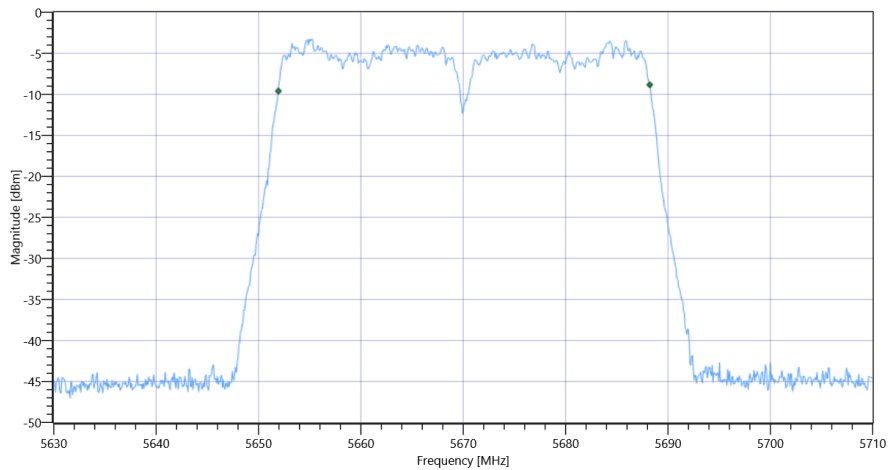


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C 5670 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.284	MHz	INFO
T1 99%	---	---	5651.9381	MHz	INFO
T2 99%	---	---	5688.2218	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C_BW

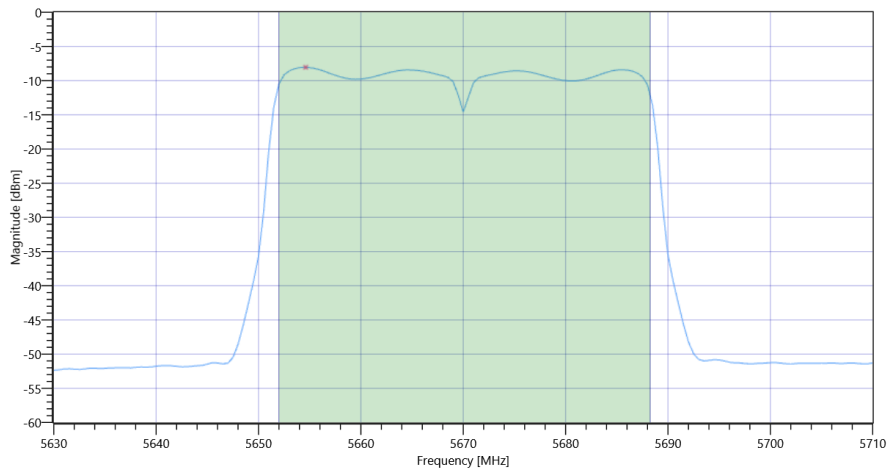
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.26 4.92 25
Start [MHz] Stop [MHz]	5630.000 5710.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	6.14	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	24	6.14	dBm	PASS
Limit: 11 dBm + 10 log 36.284					
Max Output Power DC corrected	--	26.6	6.14	dBm	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C Max OP and PSD

Power Spectral Density

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-8.05	dBm/1MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	11	-8.05	dBm/1MHz	PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Test References

TC Start	28.10.2022 10:11:48
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5510
Frequency mid to test	False Freq [MHz] 5590
Frequency high to test	True Freq [MHz] 5670
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5670 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.57	dBm	INFO
Ref. Frequency	---	---	5664.610	MHz	INFO

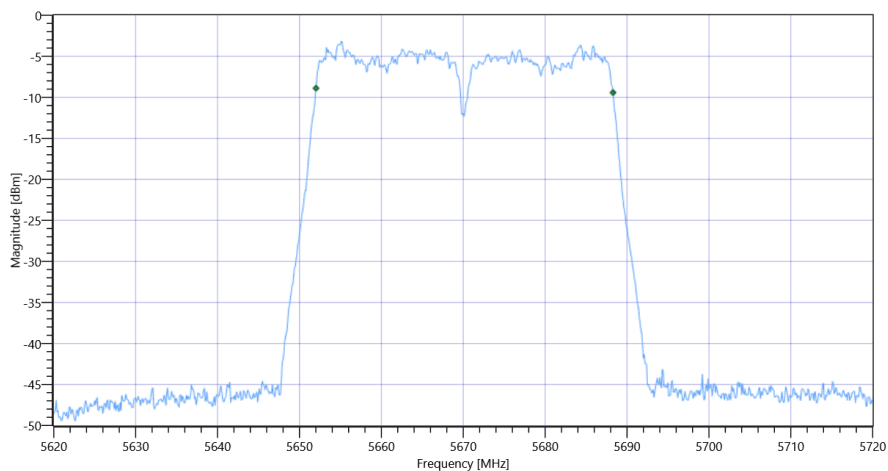
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.43 4.92 20
Start [MHz] Stop [MHz]	5620.000 5720.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

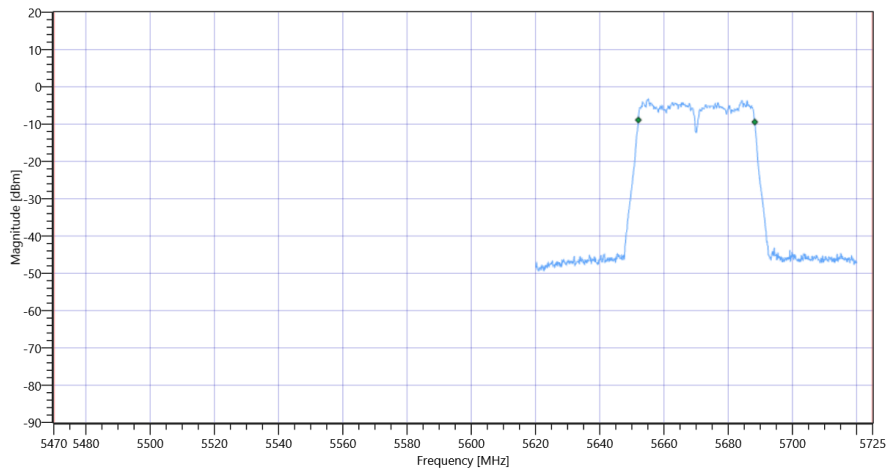
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5470.000000	---	5652.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5688.2817	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 99PCT

Plot: Bandwidth within Band

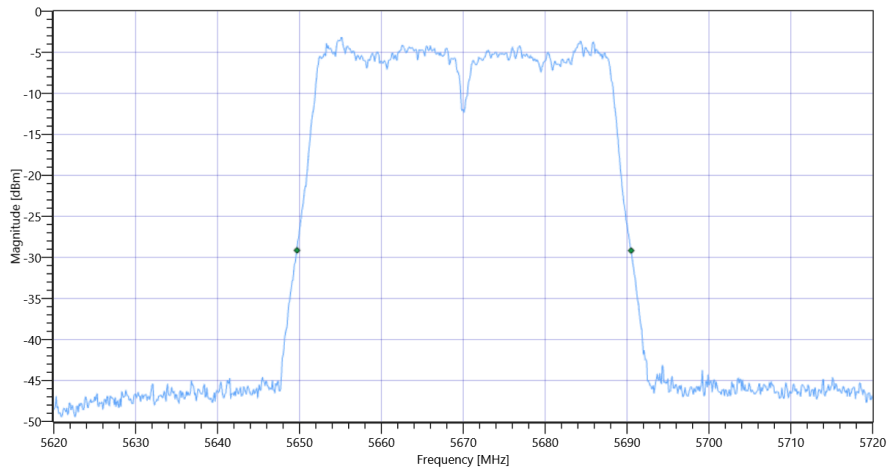


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

RESULT

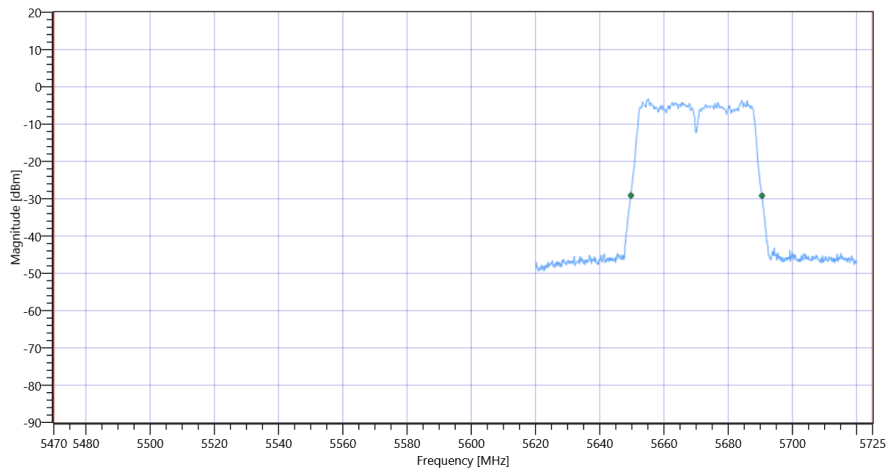
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO
T1 26dB	5470.000000	---	5649.7000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5690.5000	MHz	

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-2C

Message with SA scan ~

Test References

TC Start	28.10.2022 10:12:41
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_3
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 10:12:42
Message	set WLAN5Gx to n_HT40_U_NII_3, Frequency [MHz] 5755 ,

Test Equipment

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

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

Test References

TC Start	28.10.2022 10:13:18
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5755 MHz

RESULT: Reference Power cond.

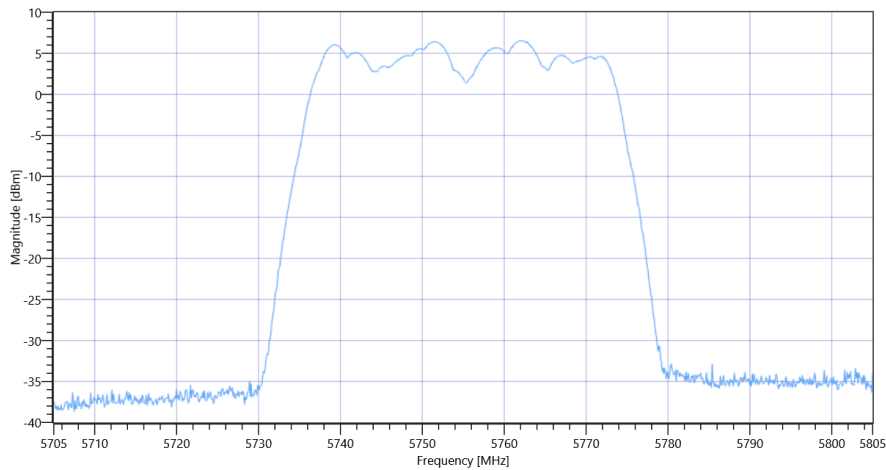
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.29	dBm	INFO
Ref. Frequency	---	---	5771.180	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.71 5.13 25
Start [MHz] Stop [MHz]	5705.000 5805.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	6.51	dBm	INFO
Peak Power	---	---	4.477133	mW	INFO
Frequency at Peak	---	---	5762.09	MHz	INFO



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

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

TC Start	28.10.2022 10:13:48
Ambit Temp [°C] Humidity [rel%]	26.9 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5755 MHz

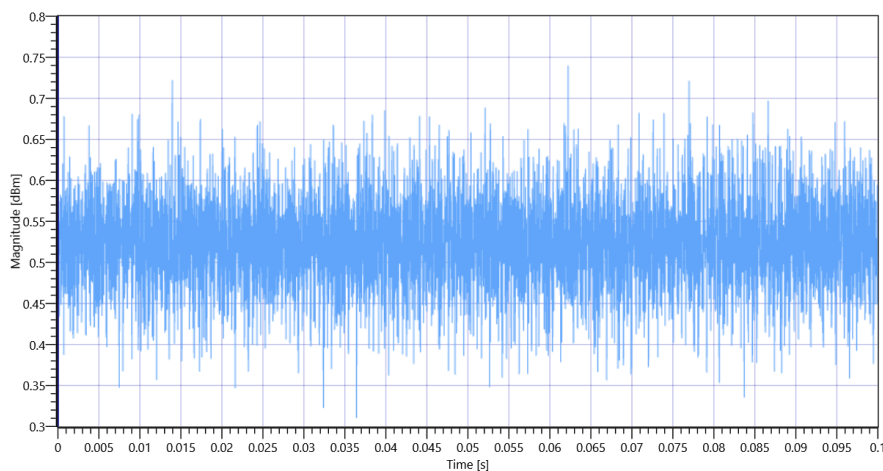
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.67	dBm	INFO
Ref. Frequency	---	---	5769.190	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

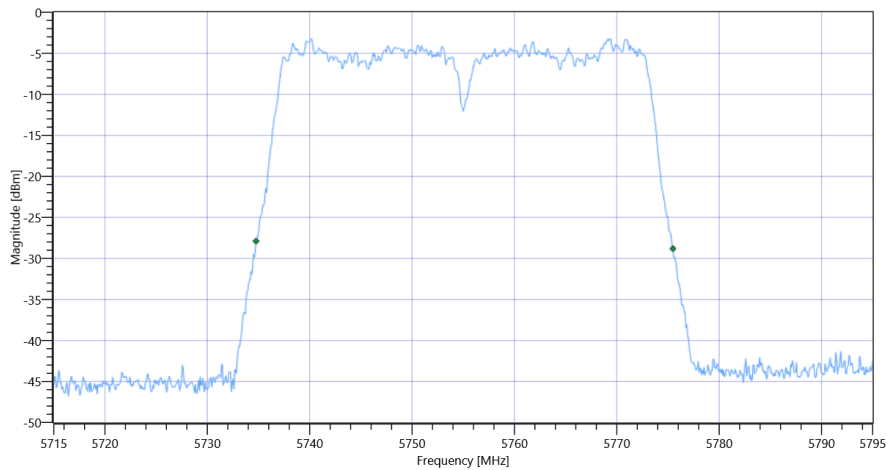


FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 5755 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.72	MHz	INFO
T1 26dB	---	---	5734.7600	MHz	INFO
T2 26dB	---	---	5775.4800	MHz	INFO



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3_BW

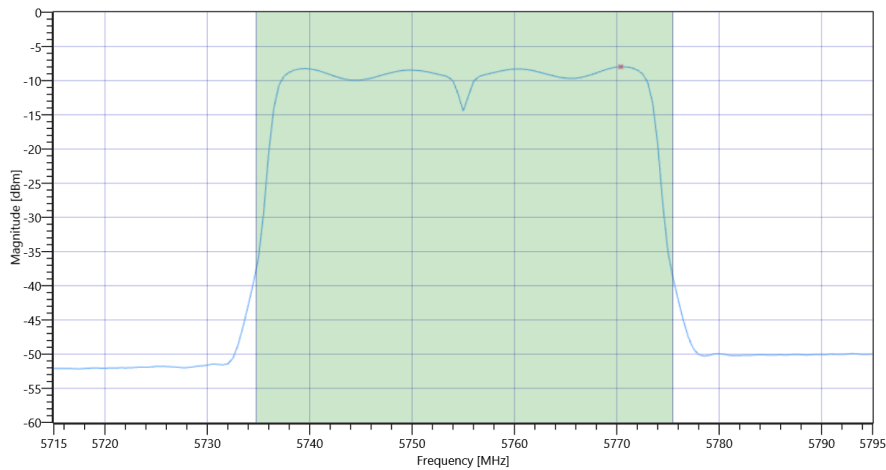
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.33 5.13 25
Start [MHz] Stop [MHz]	5715.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	6.32	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	30	6.32	dBm	PASS
Limit: 11 dBm + 10 log 40.72					
Max Output Power DC corrected	--	27.1	6.32	dBm	na



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 Max OP and PSD

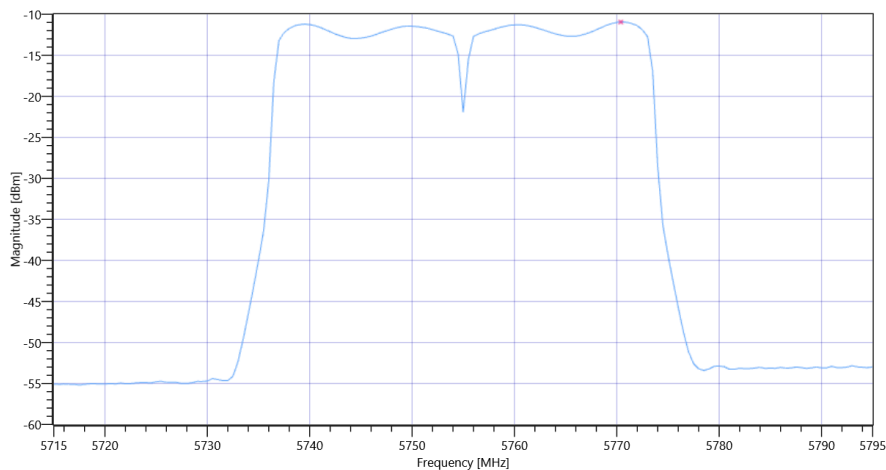
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.33 5.13 25
Start [MHz] Stop [MHz]	5715.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-10.94	dBm/0.5MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	30	-10.94	dBm/0.5MHz	PASS



FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 PSD UNII-3

ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

TC Start	28.10.2022 10:16:35
Ambit Temp [°C] Humidity [rel%]	26.9 42
System Version	3.3.1.7
Test Specification	ISED RSS247 -
Test Method	
TC Version	0.0.1
My Description	ISED Max Output Power & PSD - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5755 MHz

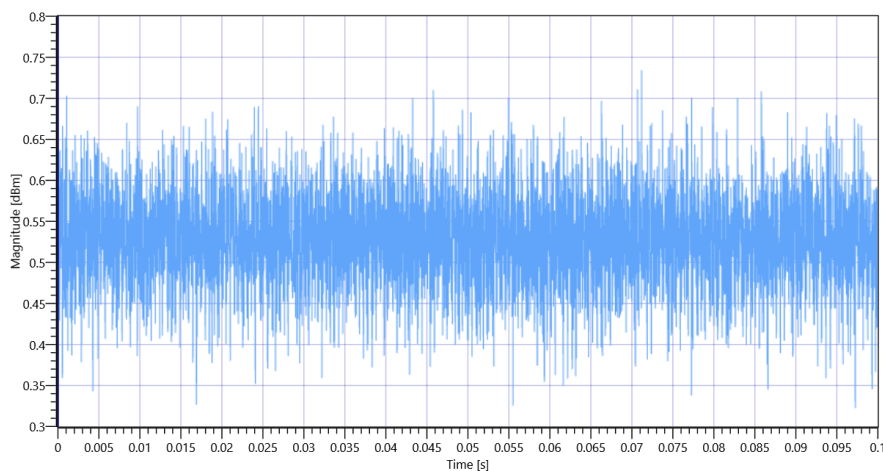
RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.71	dBm	INFO
Ref. Frequency	---	---	5769.590	MHz	INFO

Evaluation max. Duty Cycle

Duty Cycle evaluation

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

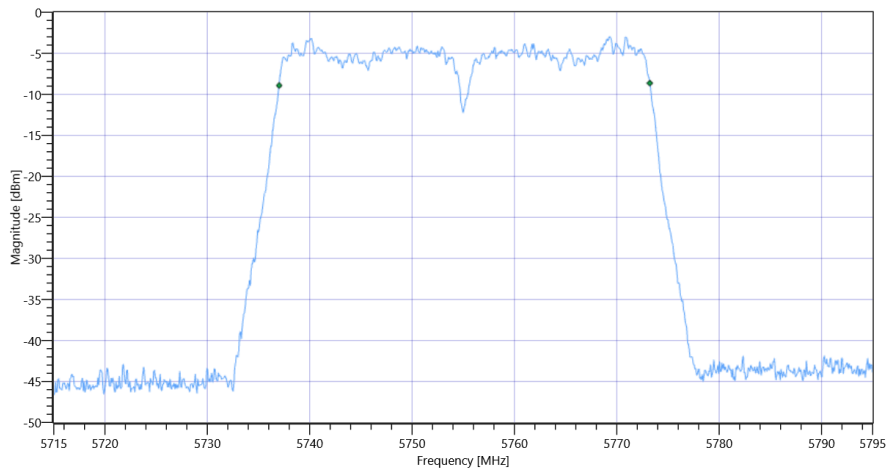


ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 5755 MHz - DutyCycle

Evaluation Bandwidth

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.204	MHz	INFO
T1 99%	---	---	5737.0180	MHz	INFO
T2 99%	---	---	5773.2218	MHz	INFO



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3_BW

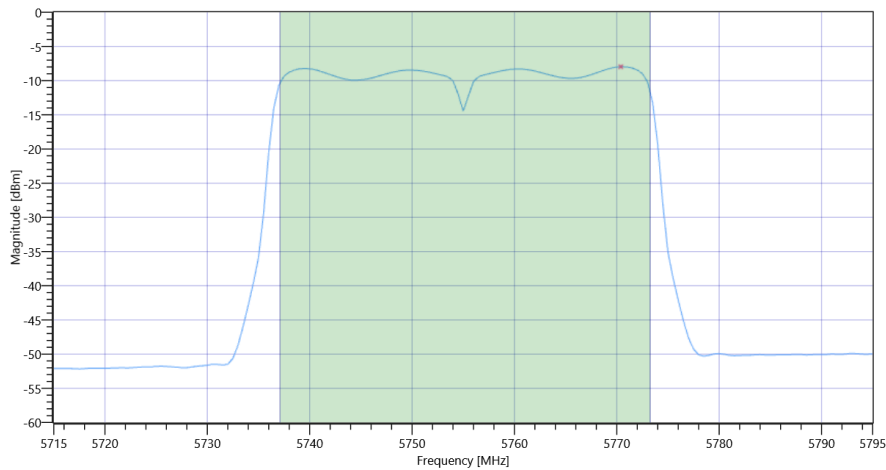
Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 5.13 25
Start [MHz] Stop [MHz]	5715.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max Output Power	--	--	6.27	dBm	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Limit absolute					
Max Output Power DC corrected	--	30	6.27	dBm	PASS
Limit: 11 dBm + 10 log 36.204					
Max Output Power DC corrected	--	26.59	6.27	dBm	na



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 Max OP and PSD

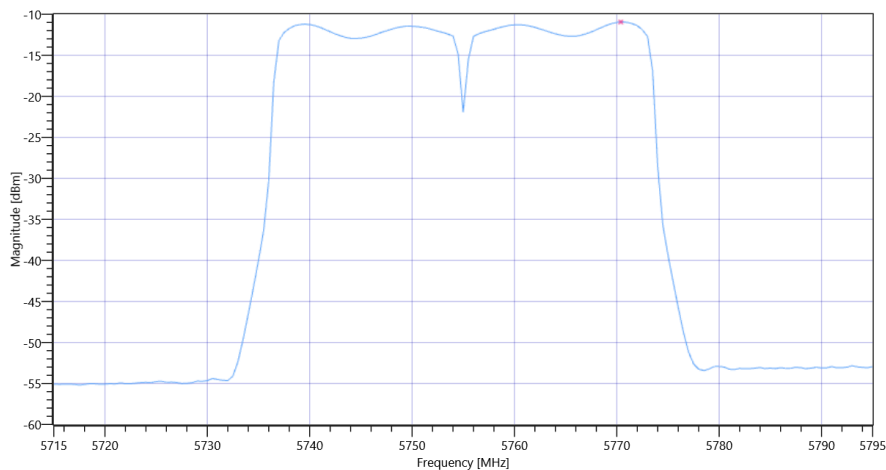
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 5.13 25
Start [MHz] Stop [MHz]	5715.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	53700 1 161 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power Spectral Density	--	--	-10.93	dBm/0.5MHz	INFO
Duty Cycle Correction	--	--	0	dB	INFO
Power Spectral Density DC corrected	--	30	-10.93	dBm/0.5MHz	PASS



ISED RSS247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 PSD UNII-3

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

TC Start	28.10.2022 10:19:22
Ambit Temp [°C] Humidity [rel%]	27.0 42
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
TC Version	0.0.1
My Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5755 MHz

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.57	dBm	INFO
Ref. Frequency	---	---	5769.590	MHz	INFO

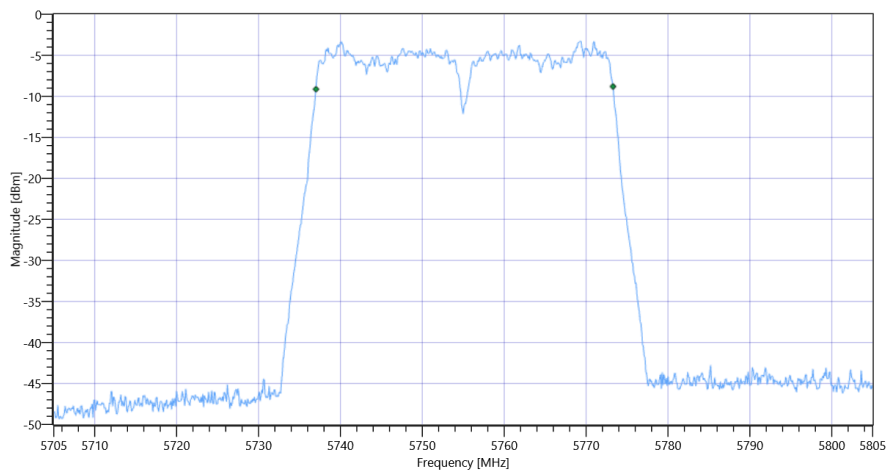
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.43 5.13 20
Start [MHz] Stop [MHz]	5705.000 5805.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 2500 1001 SWE

RESULT

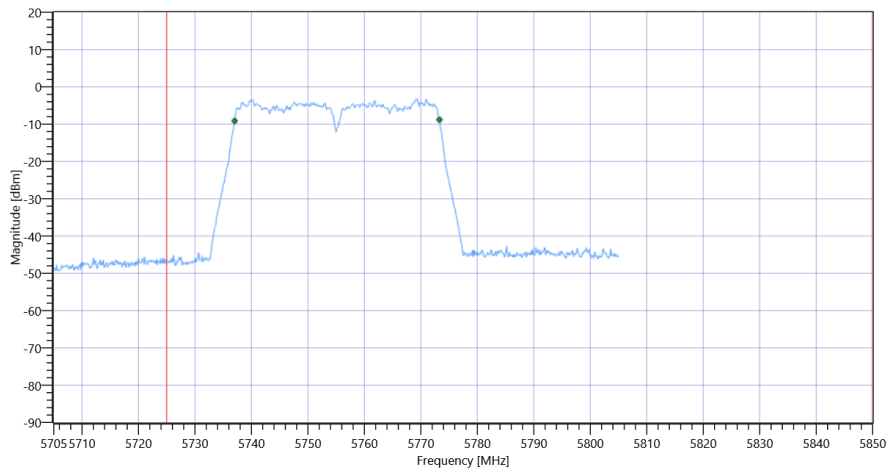
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.264	MHz	INFO
T1 99%	5725.000000	---	5737.0180	MHz	PASS
T2 99%	---	5850.000000	5773.2817	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-3 99PCT

Plot: Bandwidth within Band

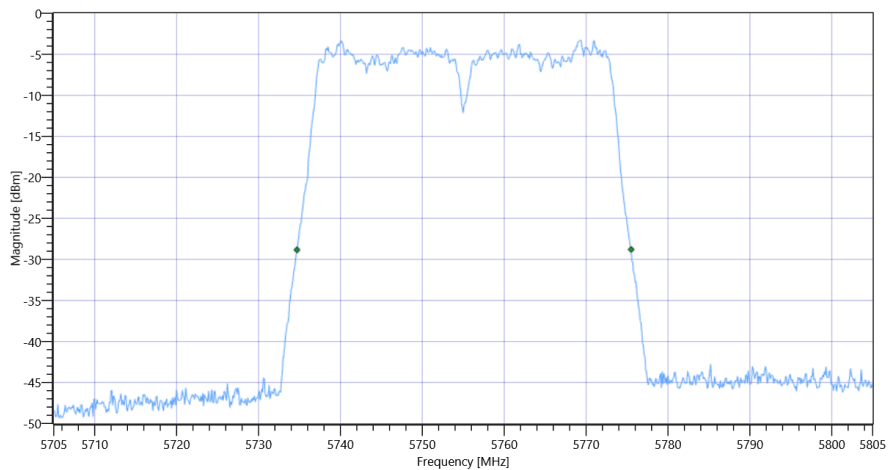


FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-3

RESULT

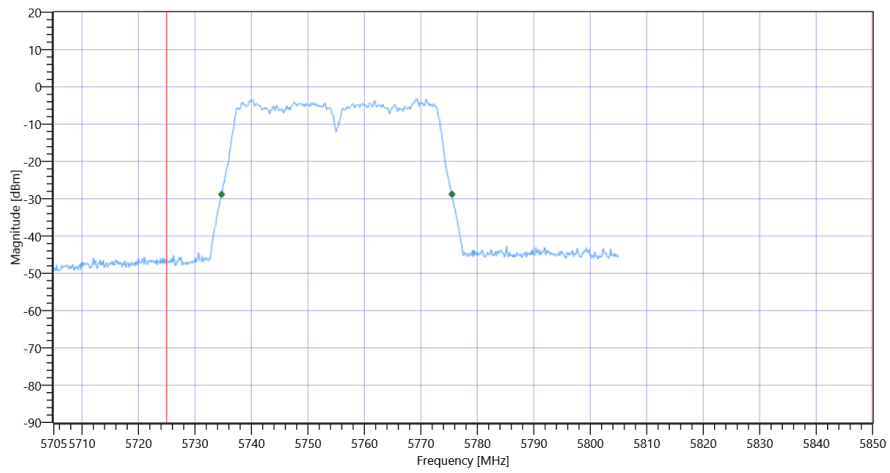
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO
T1 26dB	5725.000000	---	5734.7000	MHz	PASS
T2 26dB	---	5850.000000	5775.5000	MHz	PASS

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT40 mode U-NII-3

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

TC Start	28.10.2022 10:20:15
Ambit Temp [°C] Humidity [rel%]	27.0 42
System Version	3.3.1.7
Test Specification	FCC 15.407, ISED RSS247 -
Test Method	KDB789033 D02, C.2.
TC Version	0.0.1
My Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	False Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5755 MHz

RESULT: Reference Power cond.

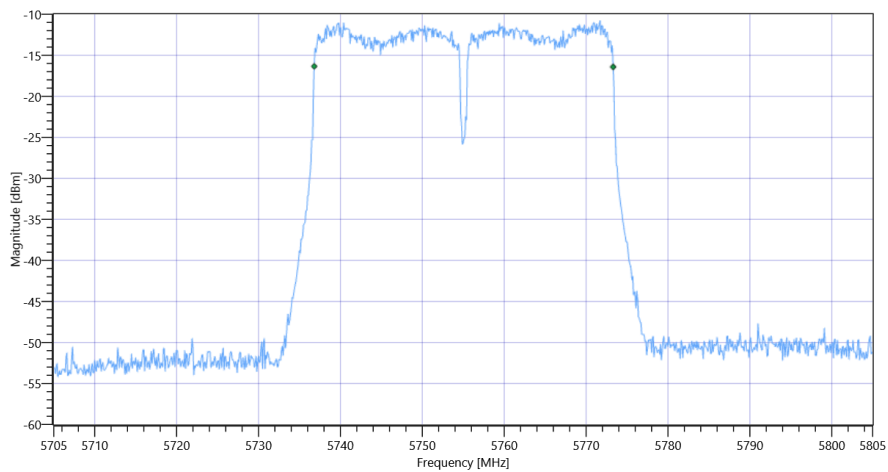
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.59	dBm	INFO
Ref. Frequency	---	---	5749.810	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.41 5.13 25
Start [MHz] Stop [MHz]	5705.000 5805.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth (6dB)	0.500	---	36.5	MHz	PASS



FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

Message with SA scan ~

Test References

TC Start	28.10.2022 10:20:45
Ambit Temp [°C] Humidity [rel%]	27.0 42
System Version	3.3.1.7
Test Specification	-
Test Method	
TC Version	0.0.1
My Description	Message with SA Scan n_HT40_U_NII_3
Add. Information	

Test Parameter

Switched Path	EUT - SignalingUnit - SpectrumAnalyzer
Message start	28.10.2022 10:20:46
Message	set WLAN5Gx to n_HT40_U_NII_3, Frequency [MHz] 5795

Test Equipment

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

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

Test References

TC Start	28.10.2022 10:21:43
Ambit Temp [°C] Humidity [rel%]	27.0 43
System Version	3.3.1.7
Test Specification	Common 5Gx 6Gx - none
Test Method	
TC Version	0.0.1
My Description	Peak OP 3MHz/3MHz - WLAN5Gx n-HT40 mode U-NII-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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

Test at TX 5795 MHz

RESULT: Reference Power cond.

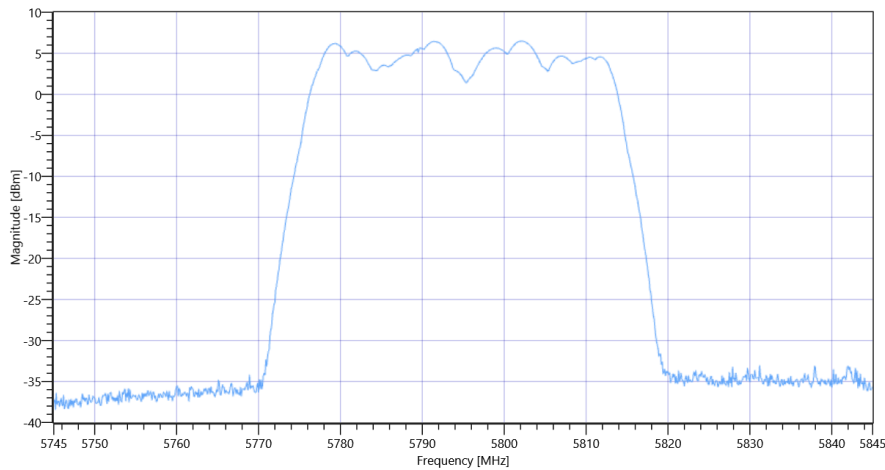
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	-0.48	dBm	INFO
Ref. Frequency	---	---	5810.780	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.52 5.09 25
Start [MHz] Stop [MHz]	5745.000 5845.000
RBW [MHz] VBW [MHz]	3.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	300 20 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peak Power	---	---	6.5	dBm	INFO
Peak Power	---	---	4.466836	mW	INFO
Frequency at Peak	---	---	5802.09	MHz	INFO



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

FCC 15.247 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

Test References

TC Start	28.10.2022 10:22:14
Ambit Temp [°C] Humidity [rel%]	27.0 43
System Version	3.3.1.7
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-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-HT40 mode
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5755
Frequency mid to test	False Freq [MHz] 0
Frequency high to test	True Freq [MHz] 5795
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	1.4
Switched Path	EUT - SignalingUnit - SpectrumAnalyzer

Test Equipment

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