



427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-UTR
ISED ID	6545A-UTR
Equipment Under Test	UTR
Test Report Serial Number	TR10557_01
Date of Tests	4 December 2025
Report Issue Date	5 December 2025

Test Personnel

Testing performed by	Evan Hartzell
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Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2026. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2026. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



Revision History		
Revision	Description	Date
01	Original Report Release	5 December 2025

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1 RF Conducted UNII-1

NOTE: The first channel contains the equipment setting table(s), if subsequent channels do not have an equipment setting table(s) then the equipment setting table(s) is the same as the first channel.

1.1 VHT Mode

1.1.1 Summary

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5180.000	20.000000	PASS
RF output power	5180.000	20.000000	PASS
Power Spectral Density (SA-3)	5180.000	20.000000	PASS
Occupied Channel Bandwidth 99%	5180.000	20.000000	PASS
Emission Bandwidth 26 dB	5210.000	20.000000	PASS
Power Spectral Density (SA-3)	5210.000	20.000000	PASS
Occupied Channel Bandwidth 99%	5210.000	20.000000	PASS
Emission Bandwidth 26 dB	5240.000	20.000000	PASS
Power Spectral Density (SA-3)	5240.000	20.000000	PASS
Occupied Channel Bandwidth 99%	5240.000	20.000000	PASS
Emission Bandwidth 26 dB	5190.000	40.000000	PASS
Power Spectral Density (SA-3)	5190.000	40.000000	PASS
Occupied Channel Bandwidth 99%	5190.000	40.000000	PASS
Emission Bandwidth 26 dB	5230.000	40.000000	PASS
Power Spectral Density (SA-3)	5230.000	40.000000	PASS
Occupied Channel Bandwidth 99%	5230.000	40.000000	PASS
Emission Bandwidth 26 dB	5210.000	80.000000	PASS
Power Spectral Density (SA-3)	5210.000	80.000000	PASS
Occupied Channel Bandwidth 99%	5210.000	80.000000	PASS

1.2 VHT 20 MHz Bandwidth

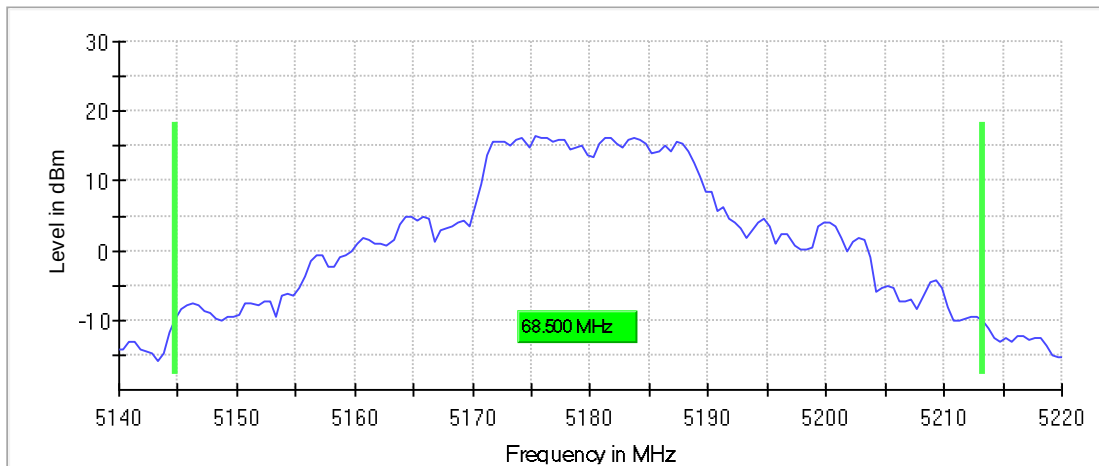
Emission Bandwidth 26 dB (5180 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

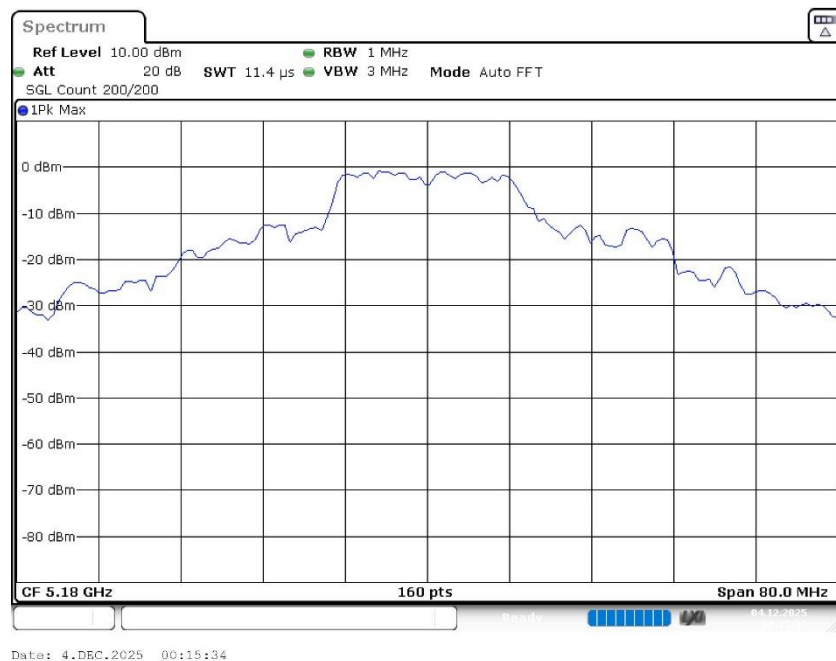
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	68.500000	---	---	5144.750000	5213.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5180.000000	16.4	PASS

26 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.14000 GHz	5.14000 GHz
Stop Frequency	5.22000 GHz	5.22000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm

Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

RF output power (5180 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5180.000000	24.1	30.0	24.1	90.675	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (SA-3) (5180 MHz; 24.000 dBm; 20 MHz)

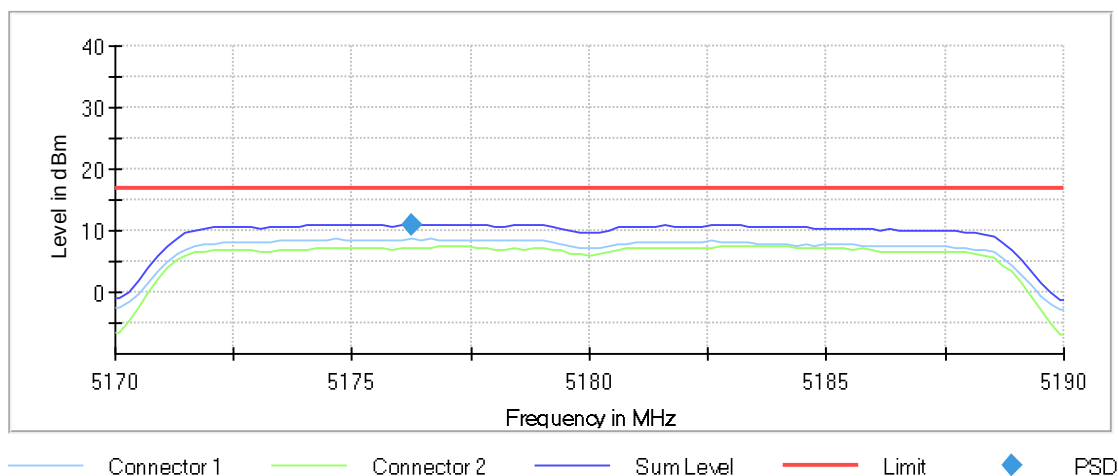
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5180.000000	5176.237624	11.038	17.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-3)



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17000 GHz	5.17000 GHz
Stop Frequency	5.19000 GHz	5.19000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	Sweep	Sweep
Preamp	off	off

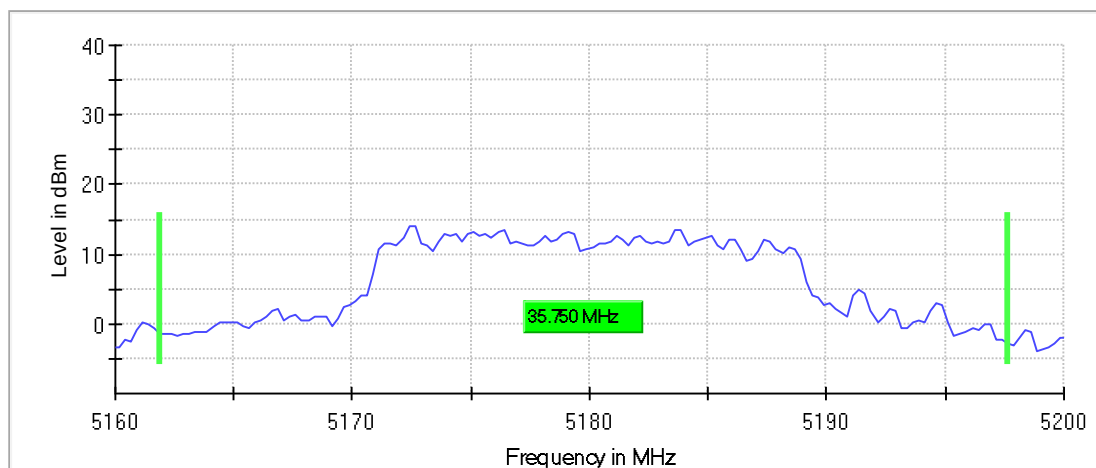
Occupied Channel Bandwidth 99% (5180 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

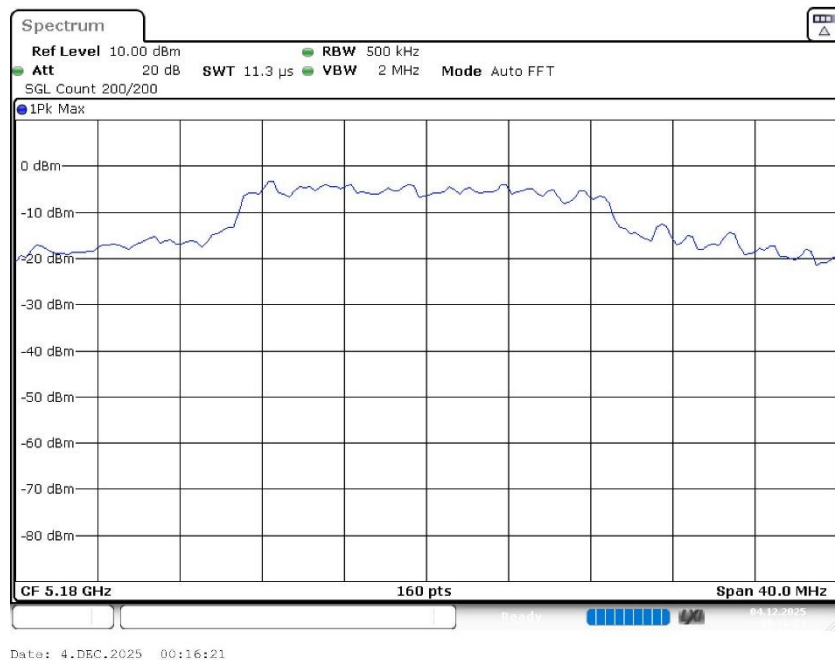
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	35.750000	---	---	5161.875000	5197.625000

DUT Frequency (MHz)	Result
5180.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

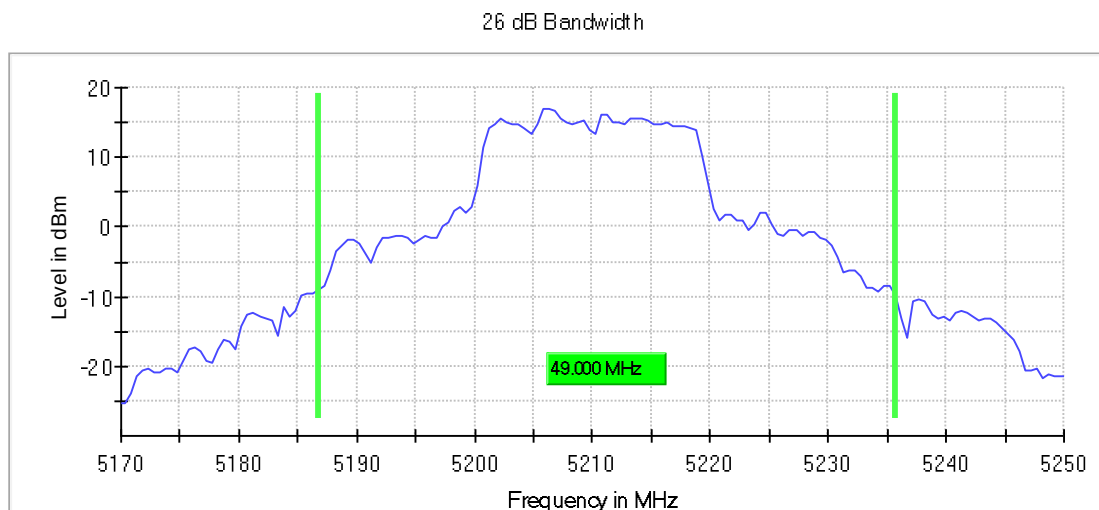
Setting	Instrument Value	Target Value
Start Frequency	5.16000 GHz	5.16000 GHz
Stop Frequency	5.20000 GHz	5.20000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	~ 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweeptime	11.344 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Emission Bandwidth 26 dB (5210 MHz; 24.000 dBm; 20 MHz)

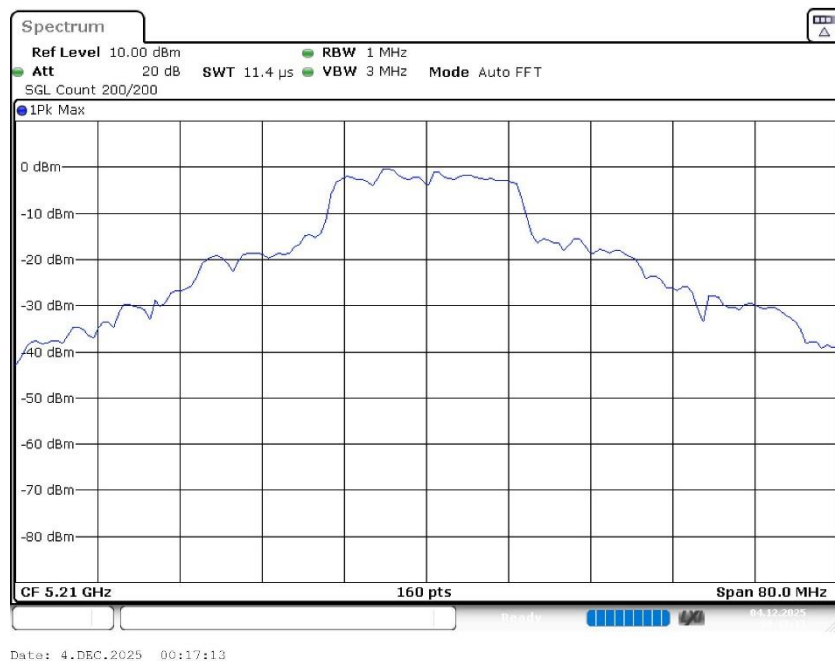
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	49.000000	---	---	5186.750000	5235.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5210.000000	17.1	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17000 GHz	5.17000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm

Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Power Spectral Density (SA-3) (5210 MHz; 24.000 dBm; 20 MHz)

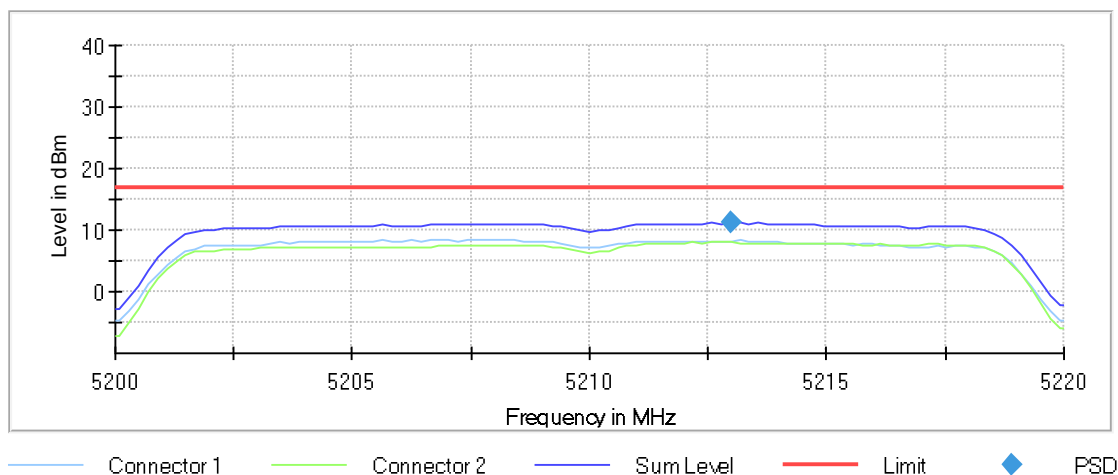
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5210.000000	5212.970297	11.139	17.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-3)

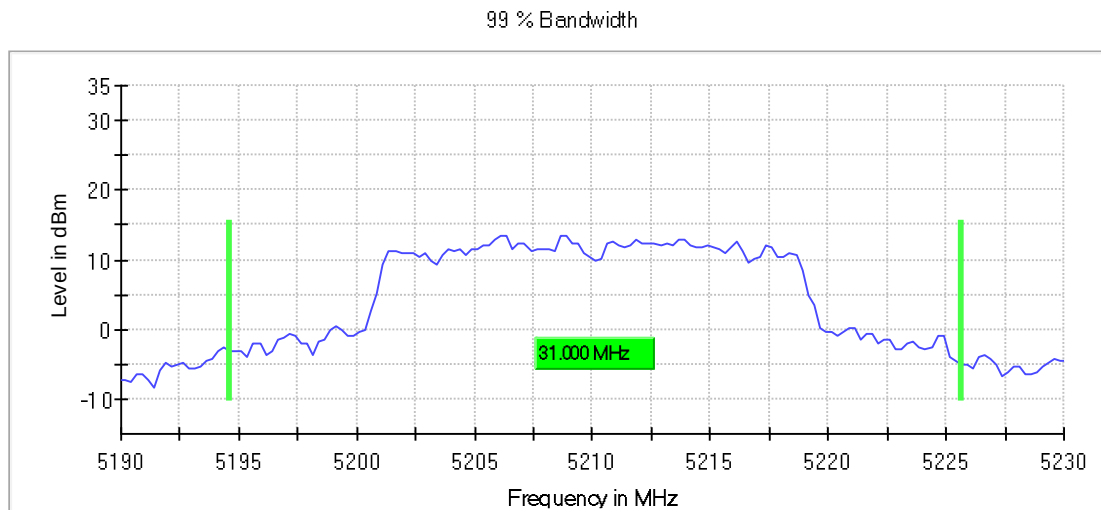


Occupied Channel Bandwidth 99% (5210 MHz; 24.000 dBm; 20 MHz)

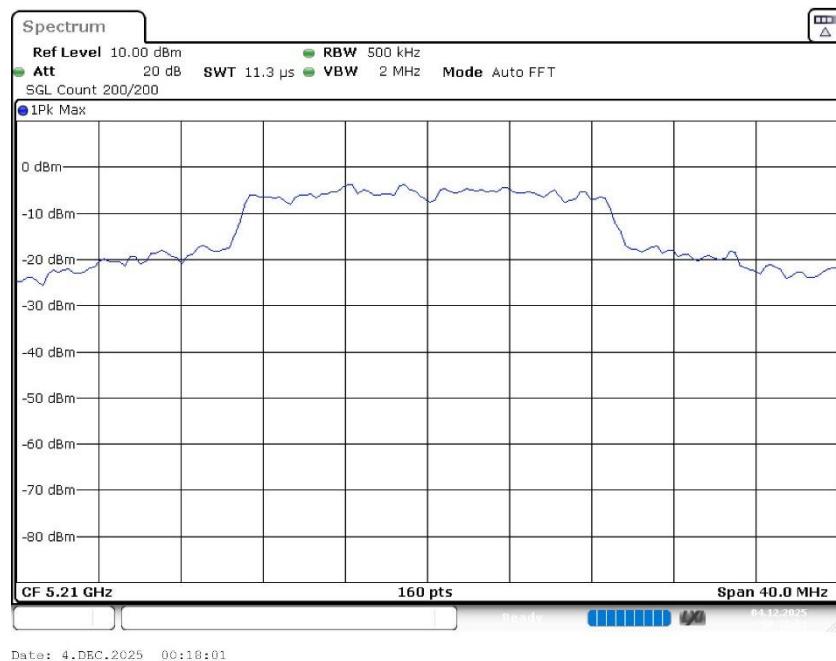
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	31.000000	---	---	5194.625000	5225.625000

DUT Frequency (MHz)	Result
5210.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.19000 GHz	5.19000 GHz
Stop Frequency	5.23000 GHz	5.23000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	~ 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweptime	11.344 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm

Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off

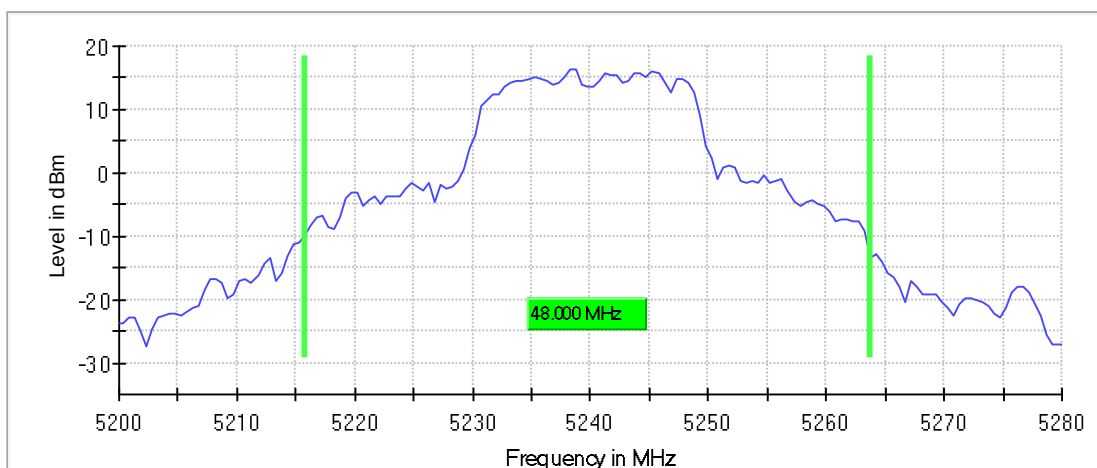
Emission Bandwidth 26 dB (5240 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

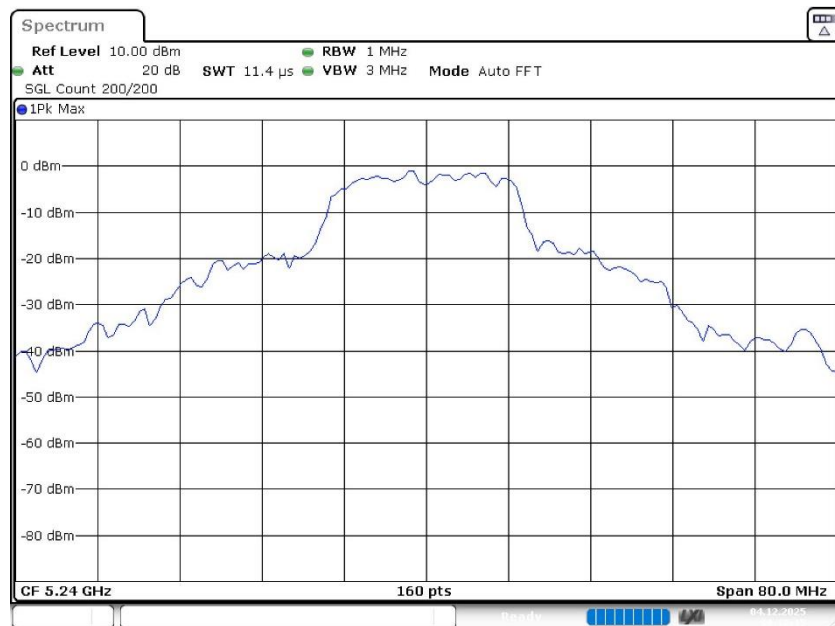
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	48.000000	---	---	5215.750000	5263.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5240.000000	16.4	PASS

26 dB Bandwidth



Bandwidth



Date: 4.DEC.2025 00:18:16

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.20000 GHz	5.20000 GHz
Stop Frequency	5.28000 GHz	5.28000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

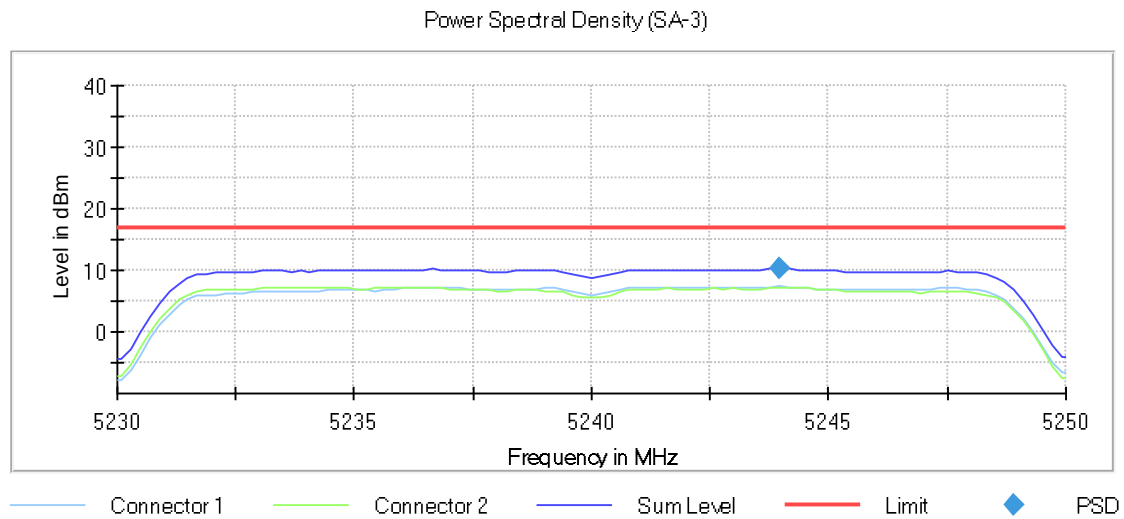
Power Spectral Density (SA-3) (5240 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5240.000000	5243.960396	10.288	17.0	PASS

Ports

Port	State
1	used
2	used

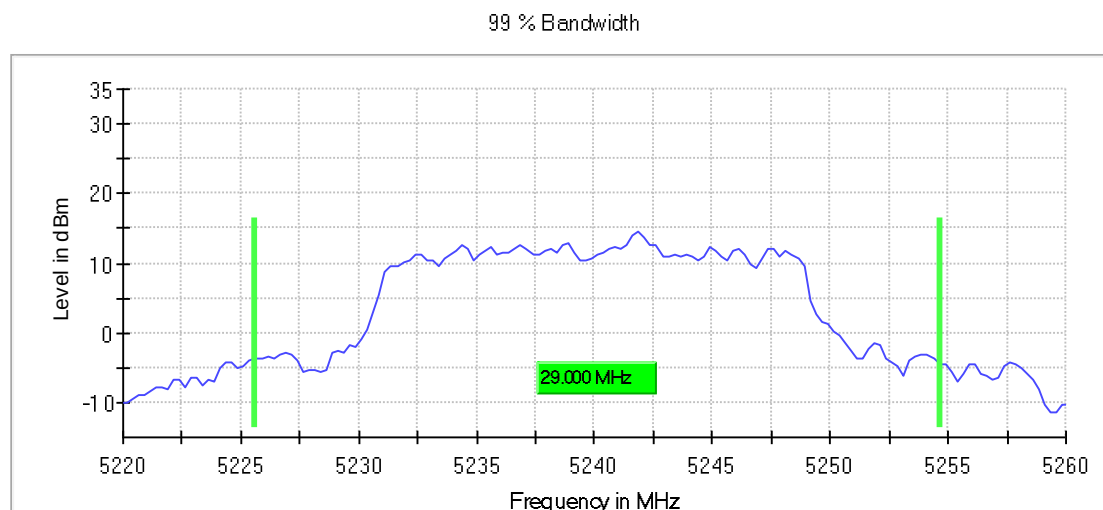


Occupied Channel Bandwidth 99% (5240 MHz; 24.000 dBm; 20 MHz)

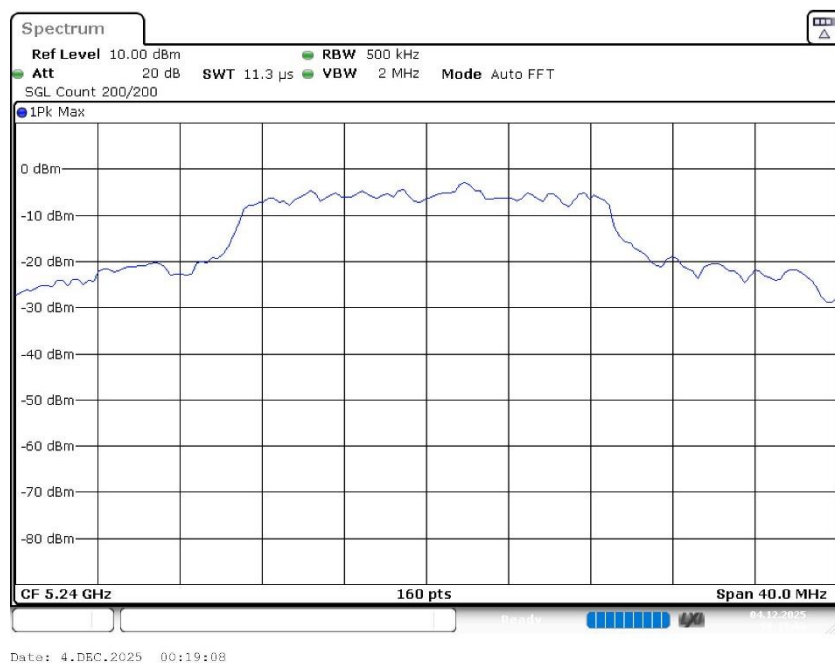
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	29.000000	---	---	5225.625000	5254.625000

DUT Frequency (MHz)	Result
5240.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.22000 GHz	5.22000 GHz
Stop Frequency	5.26000 GHz	5.26000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	~ 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweeptime	11.344 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

1.3 VHT 40 MHz Bandwidth

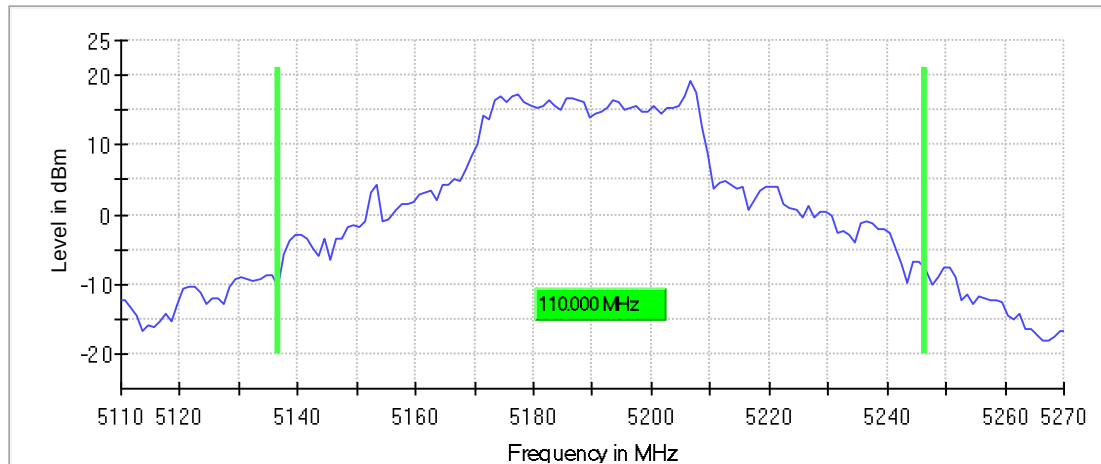
Emission Bandwidth 26 dB (5190 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5190.000000	110.000000	---	---	5136.500000	5246.500000

DUT Frequency (MHz)	Max Level (dBm)	Result
5190.000000	19.2	PASS

26 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.11000 GHz	5.11000 GHz
Stop Frequency	5.27000 GHz	5.27000 GHz
Span	160.000 MHz	160.000 MHz

RBW	2.000 MHz	~ 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
SweepTime	16.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Power Spectral Density (SA-3) (5190 MHz; 24.000 dBm; 40 MHz)

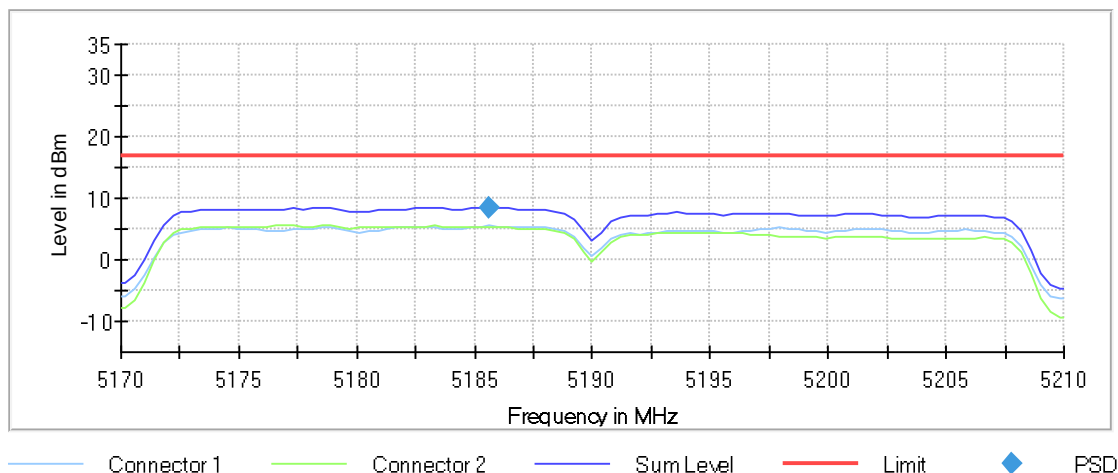
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5190.000000	5185.643564	8.454	17.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-3)



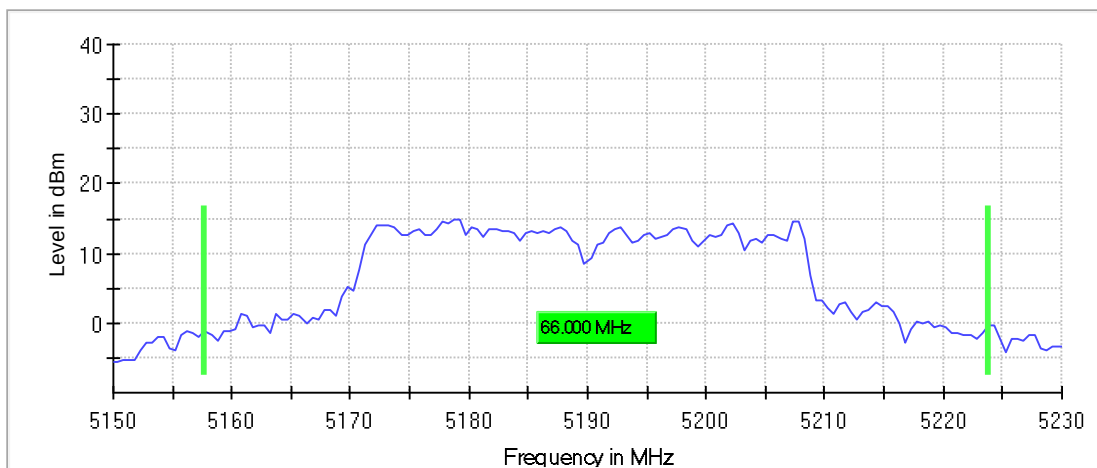
Occupied Channel Bandwidth 99% (5190 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

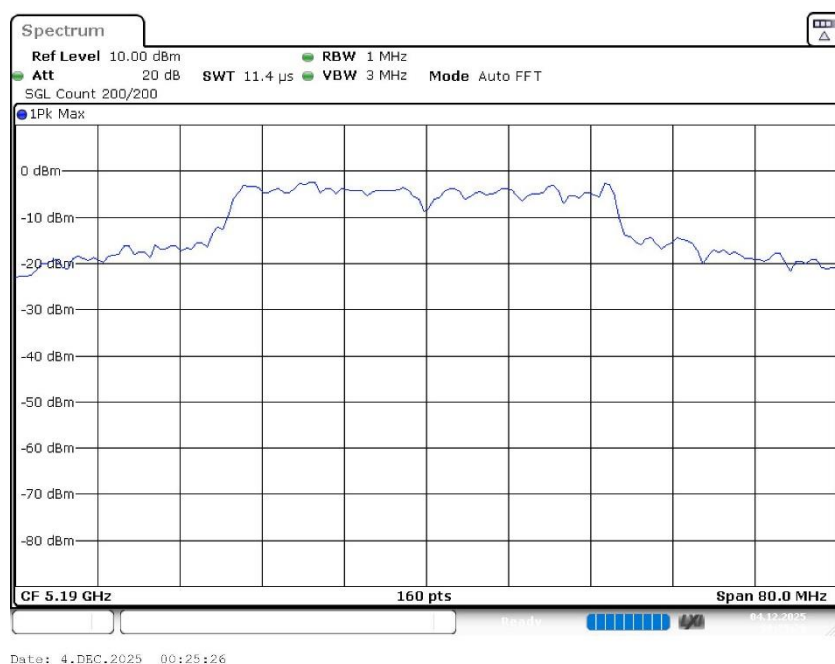
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5190.000000	66.000000	---	---	5157.750000	5223.750000

DUT Frequency (MHz)	Result
5190.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.15000 GHz	5.15000 GHz
Stop Frequency	5.23000 GHz	5.23000 GHz
Span	80.000 MHz	80.000 MHz

RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

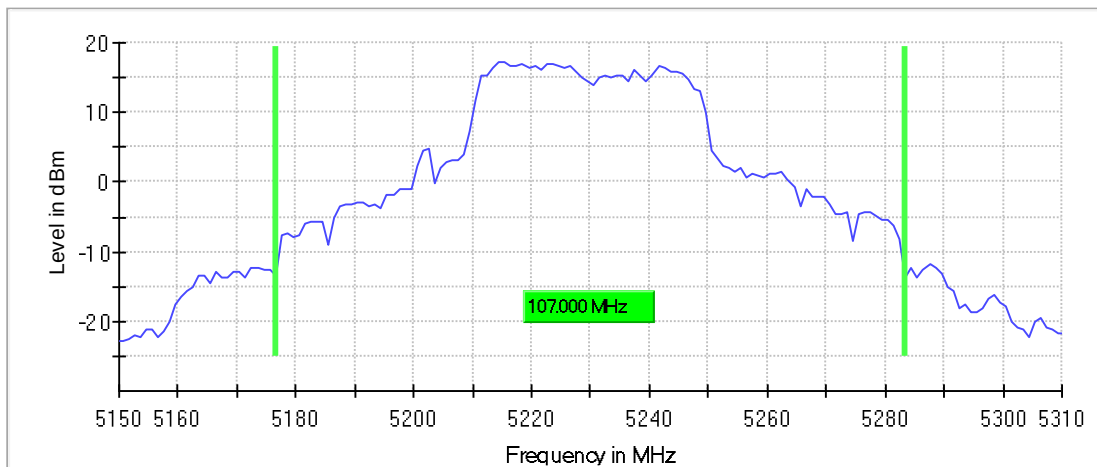
Emission Bandwidth 26 dB (5230 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

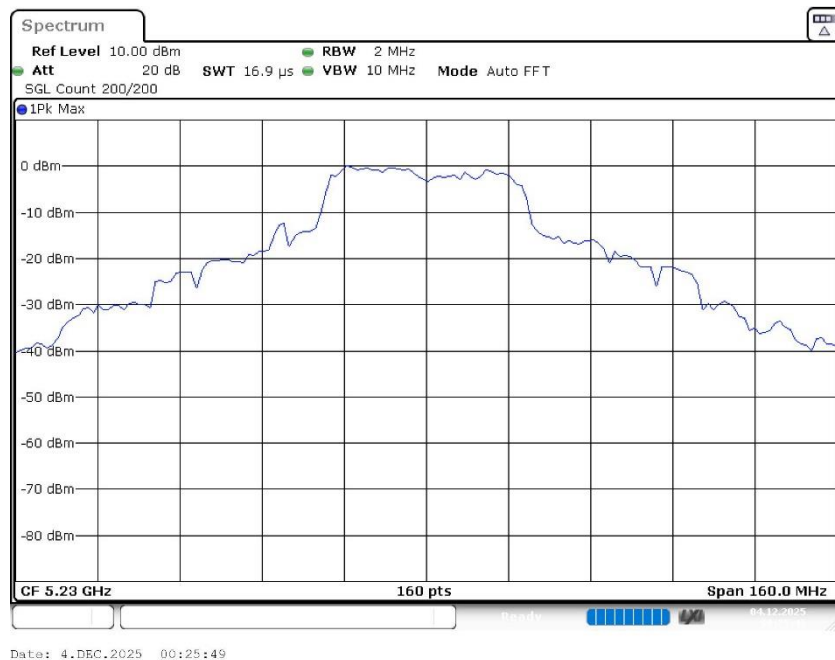
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	107.000000	---	---	5176.500000	5283.500000

DUT Frequency (MHz)	Max Level (dBm)	Result
5230.000000	17.3	PASS

26 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.15000 GHz	5.15000 GHz
Stop Frequency	5.31000 GHz	5.31000 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	~ 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
SweepTime	16.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Power Spectral Density (SA-3) (5230 MHz; 24.000 dBm; 40 MHz)

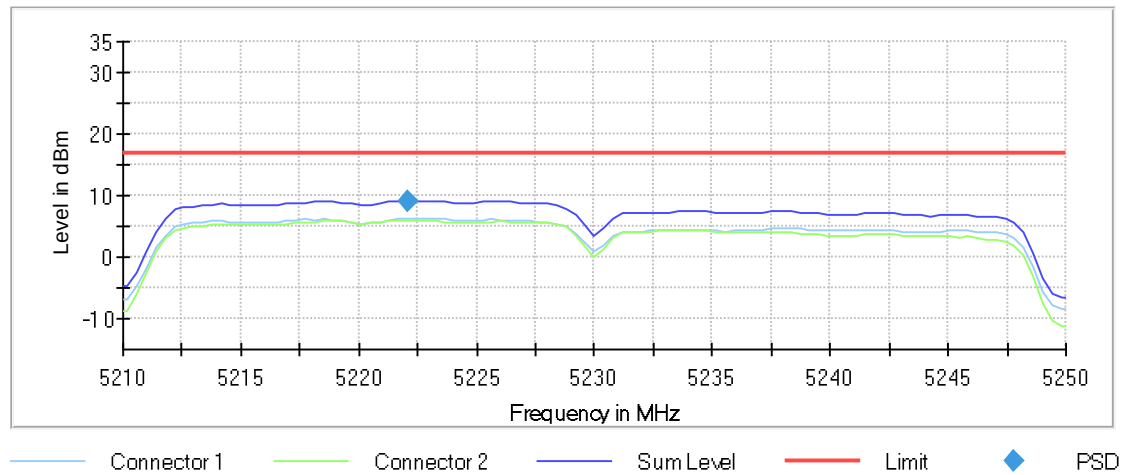
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5230.000000	5222.079208	9.123	17.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-3)



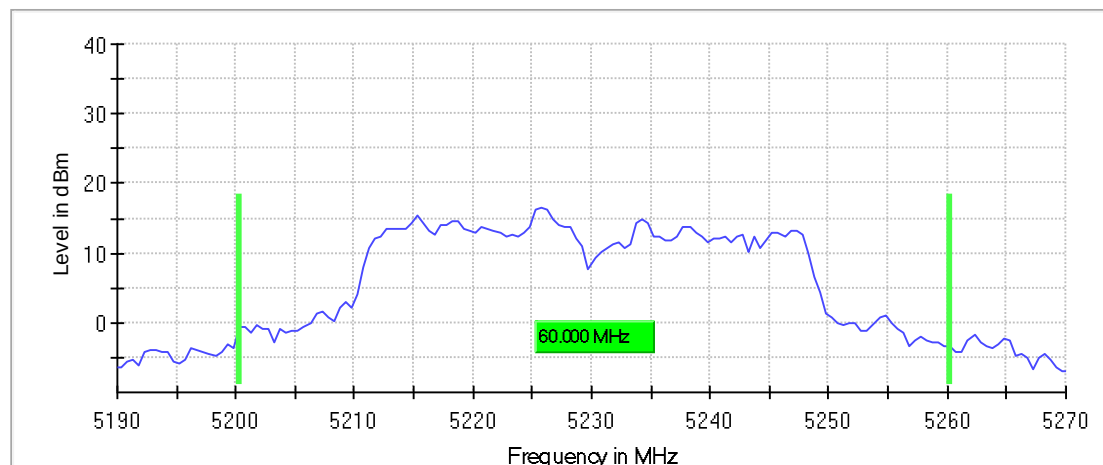
Occupied Channel Bandwidth 99% (5230 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

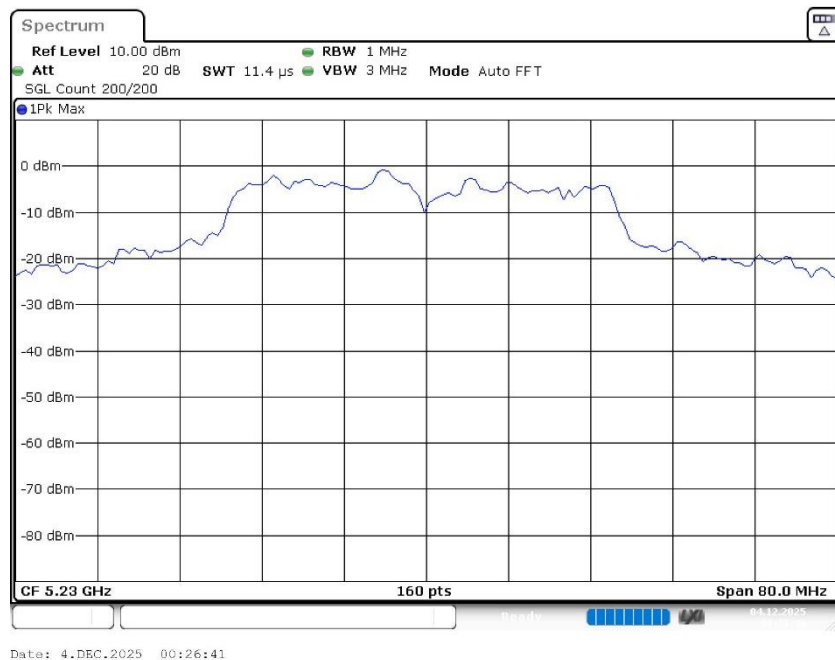
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	60.000000	---	---	5200.250000	5260.250000

DUT Frequency (MHz)	Result
5230.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.19000 GHz	5.19000 GHz
Stop Frequency	5.27000 GHz	5.27000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweeptime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

1.4 VHT 80 MHz Bandwidth

Emission Bandwidth 26 dB (5210 MHz; 24.000 dBm; 80 MHz)

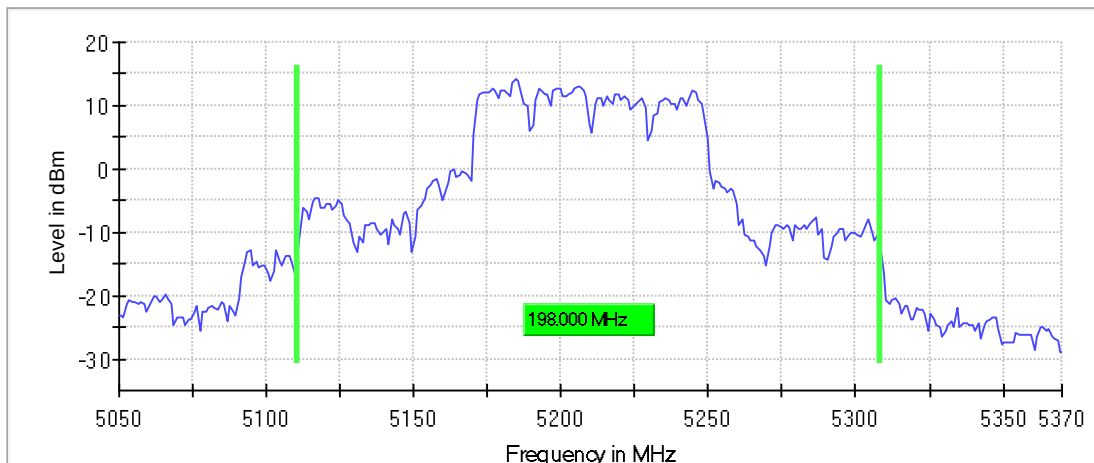
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	198.000000	---	---	5110.500000	5308.500000

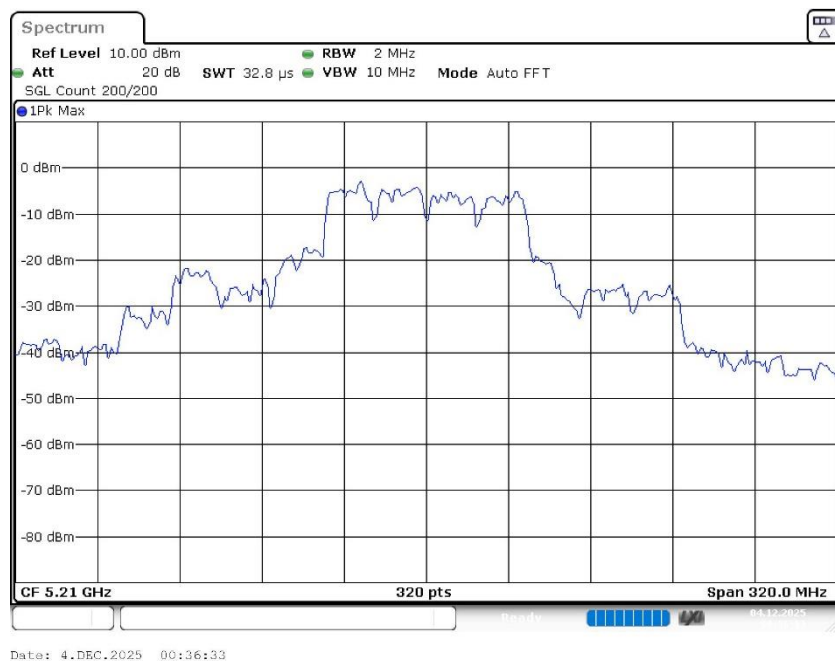
DUT Frequency (MHz)	Max Level (dBm)	Result
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5210.000000	14.4	PASS
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26 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.05000 GHz	5.05000 GHz
Stop Frequency	5.37000 GHz	5.37000 GHz
Span	320.000 MHz	320.000 MHz
RBW	2.000 MHz	~ 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz

SweepPoints	320	~ 320
Sweeptime	32.813 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

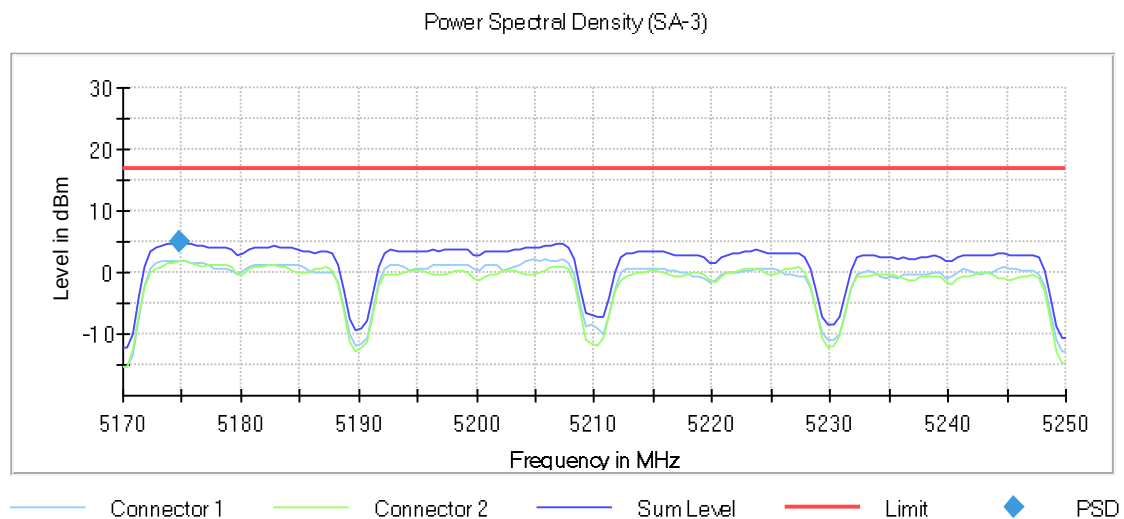
Power Spectral Density (SA-3) (5210 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5210.000000	5174.750000	4.878	17.0	PASS

Ports

Port	State
1	used
2	used



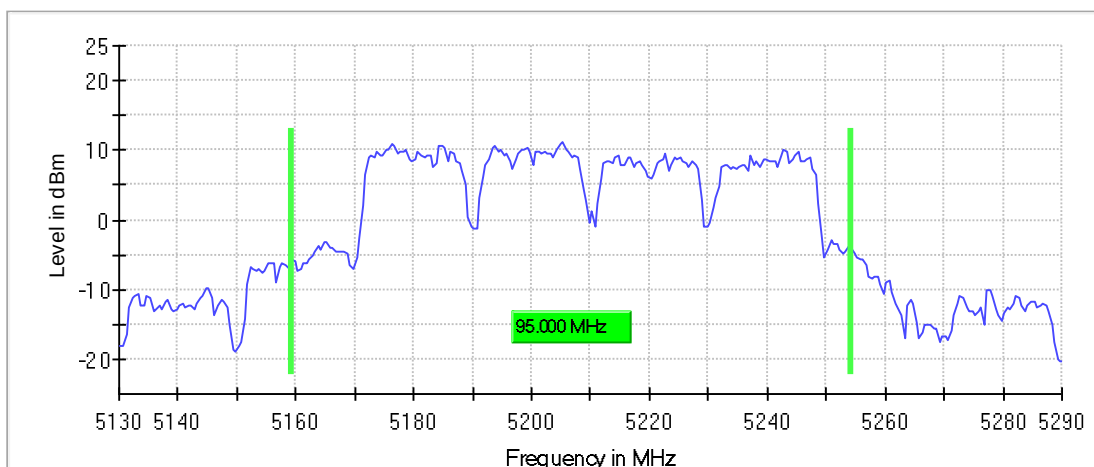
Occupied Channel Bandwidth 99% (5210 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

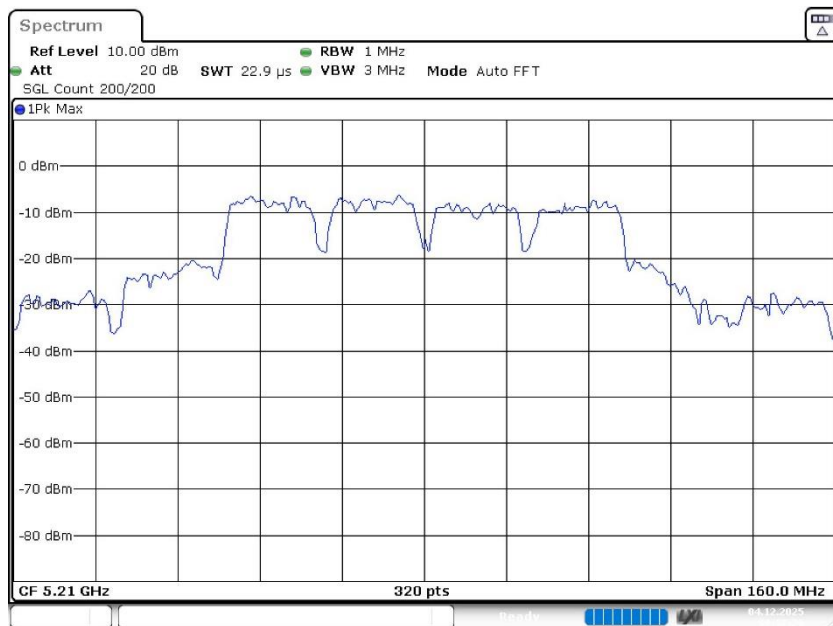
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	95.000000	---	---	5159.250000	5254.250000

DUT Frequency (MHz)	Result
5210.000000	PASS

99 % Bandwidth



Bandwidth



Date: 4.DEC.2025 00:37:21

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.13000 GHz	5.13000 GHz
Stop Frequency	5.29000 GHz	5.29000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
SweepTime	22.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

-- End of Report--