



427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-E7
ISED ID	6545A-E7
Equipment Under Test	E7
Test Report Serial Number	TR9381_01
Date of Tests	15 February 2024
Report Issue Date	12 September 2024

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 2025. 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 2025. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



1 UNII-2A

1.1.1 ax mode

Table 1: Summary

Test	Frequency	Nominal	Nominal	Result
	MHz	dBm	MHz	
Emission Bandwidth 26 dB	5260.000	24.0	20.000000	PASS
RF output power	5260.000	24.0	20.000000	PASS
Power Spectral Density	5260.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5260.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5280.000	24.0	20.000000	PASS
Power Spectral Density	5280.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5280.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5320.000	24.0	20.000000	PASS
Power Spectral Density	5320.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5320.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5270.000	24.0	40.000000	PASS
Power Spectral Density	5270.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5270.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5310.000	24.0	40.000000	PASS
Power Spectral Density	5310.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5310.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5290.000	24.0	80.000000	PASS
Power Spectral Density	5290.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5290.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5250.000	24.0	160.000000	PASS
Power Spectral Density	5250.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	5250.000	24.0	160.000000	PASS

1.2 Testcases

1.3 Emission Bandwidth 26 dB (5260 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 2: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5260.000000	22.900000	---	---	5248.550000	5271.450000	5.0	PASS

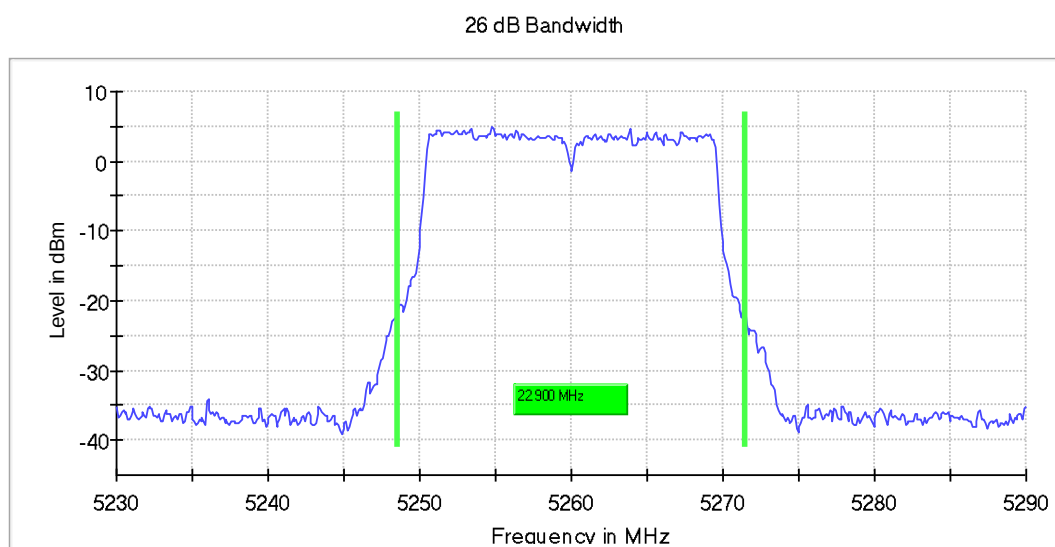
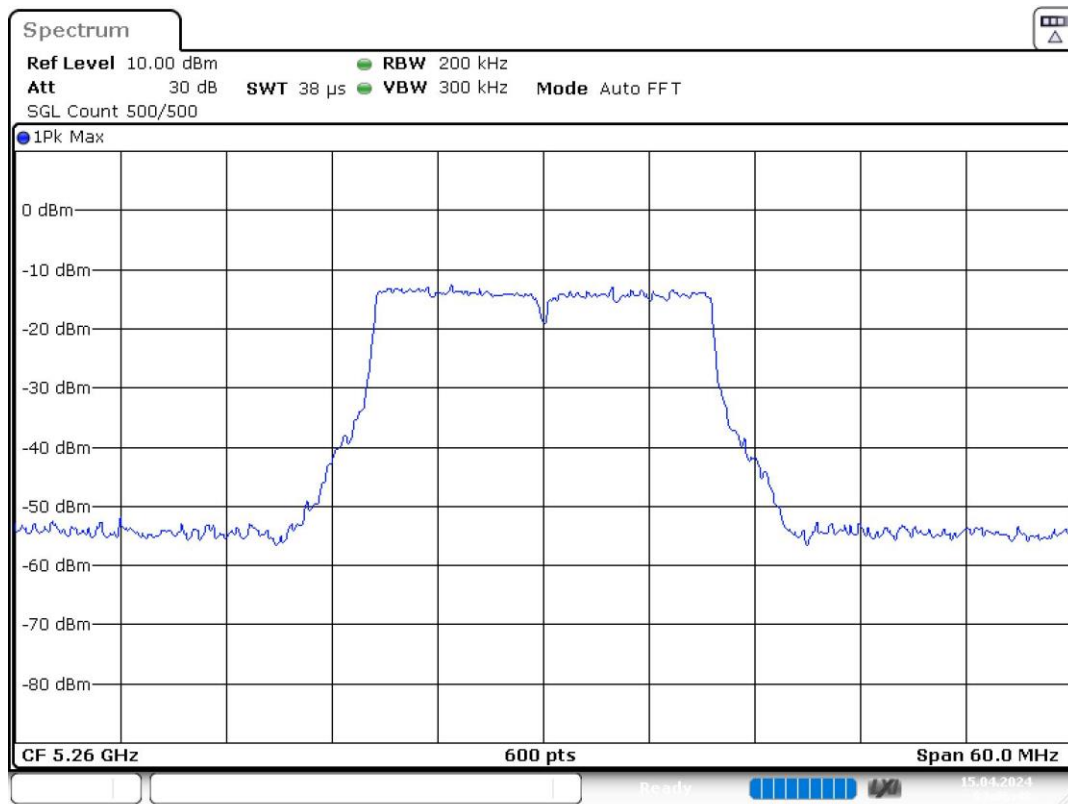


Figure 1: 26 dB Bandwidth



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Table 3: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.23000 GHz	5.23000 GHz
Stop Frequency	5.29000 GHz	5.29000 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweeptime	37.969 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

1.4 RF output power (5260 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 4: Result

DUT Frequency	Gated RMS	Limit Max	Gated EIRP	DutyCycle	Result
MHz	dBm	dBm	dBm	%	
5260.000000	22.8	24.0	22.8	99.713	PASS

Table 5: 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

1.5 Power Spectral Density (5260 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 6: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5260.000000	5251.683168	10.319	11.0	PASS

Table 7: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

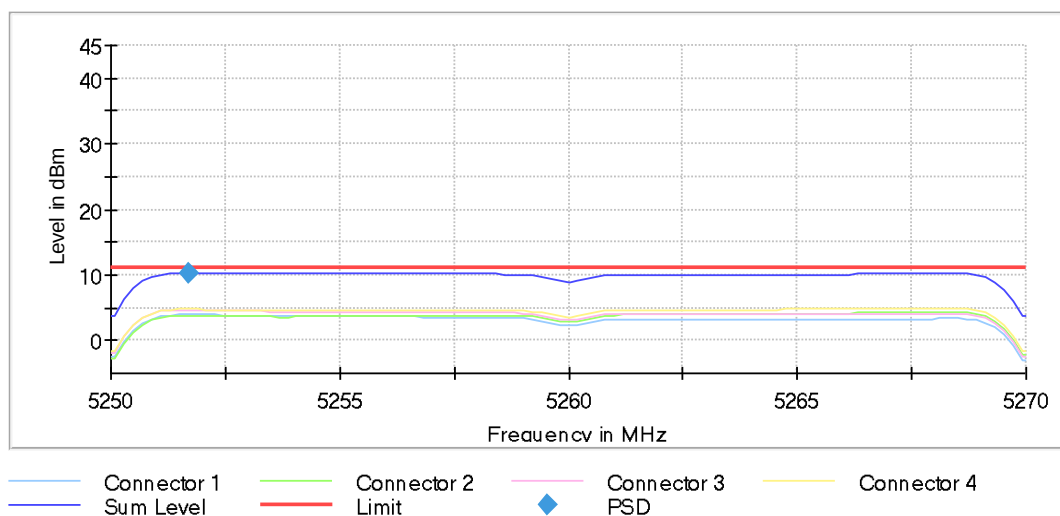


Figure 2: Power Spectral Density

Table 8: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.27000 GHz	5.27000 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	FFT	AUTO
Preamplifier	off	off

1.6 Occupied Channel Bandwidth 99% (5260 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 9: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5260.000000	19.250000	---	---	5250.375000	5269.625000	PASS

99 % Bandwidth

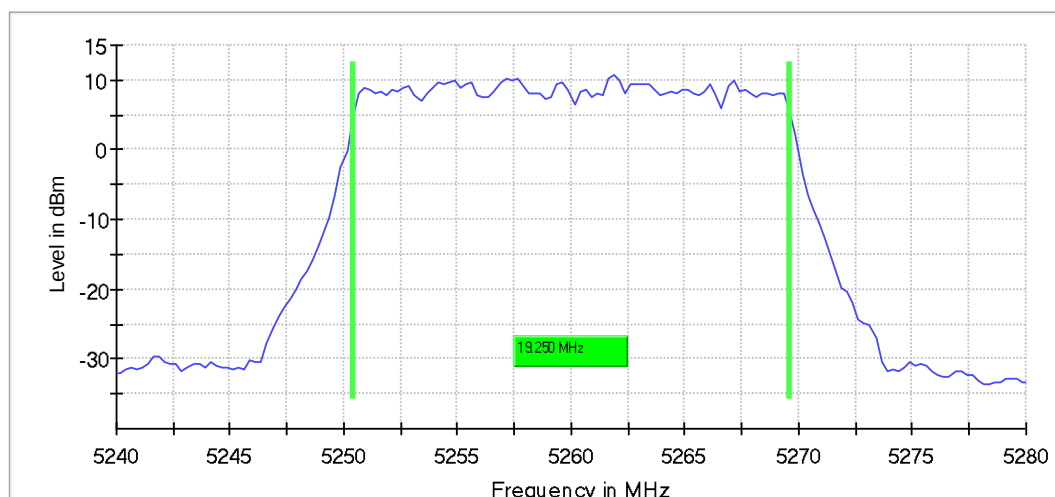
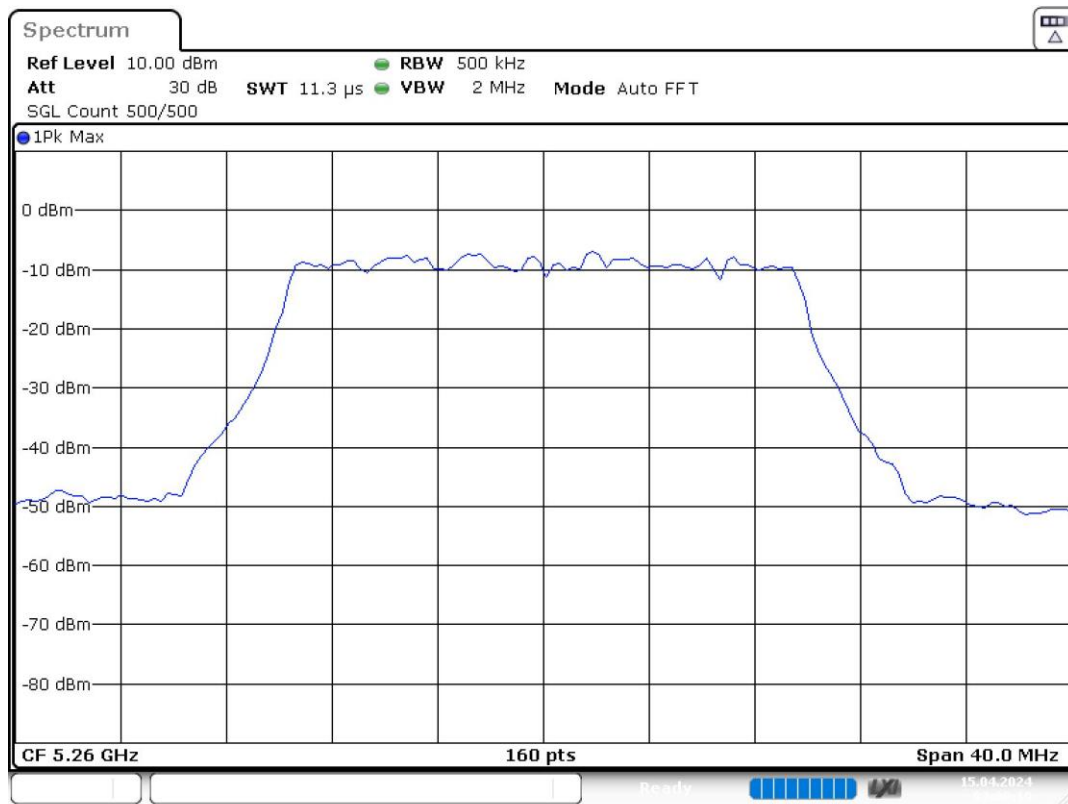


Figure 3: 99 % Bandwidth



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Table 10: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.28000 GHz	5.28000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

1.7 Emission Bandwidth 26 dB (5280 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 11: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5280.000000	22.500000	---	---	5268.650000	5291.150000	5.4	PASS

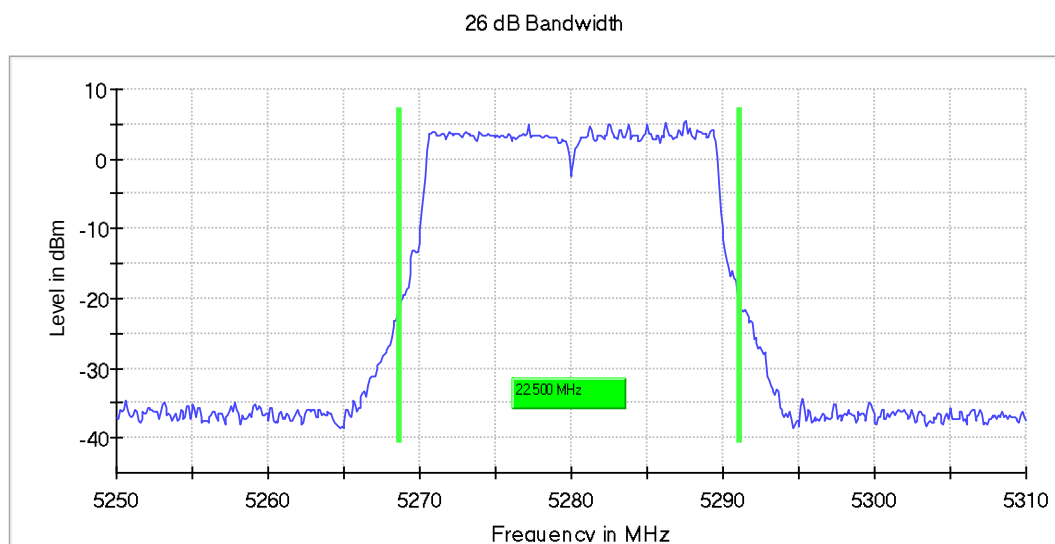
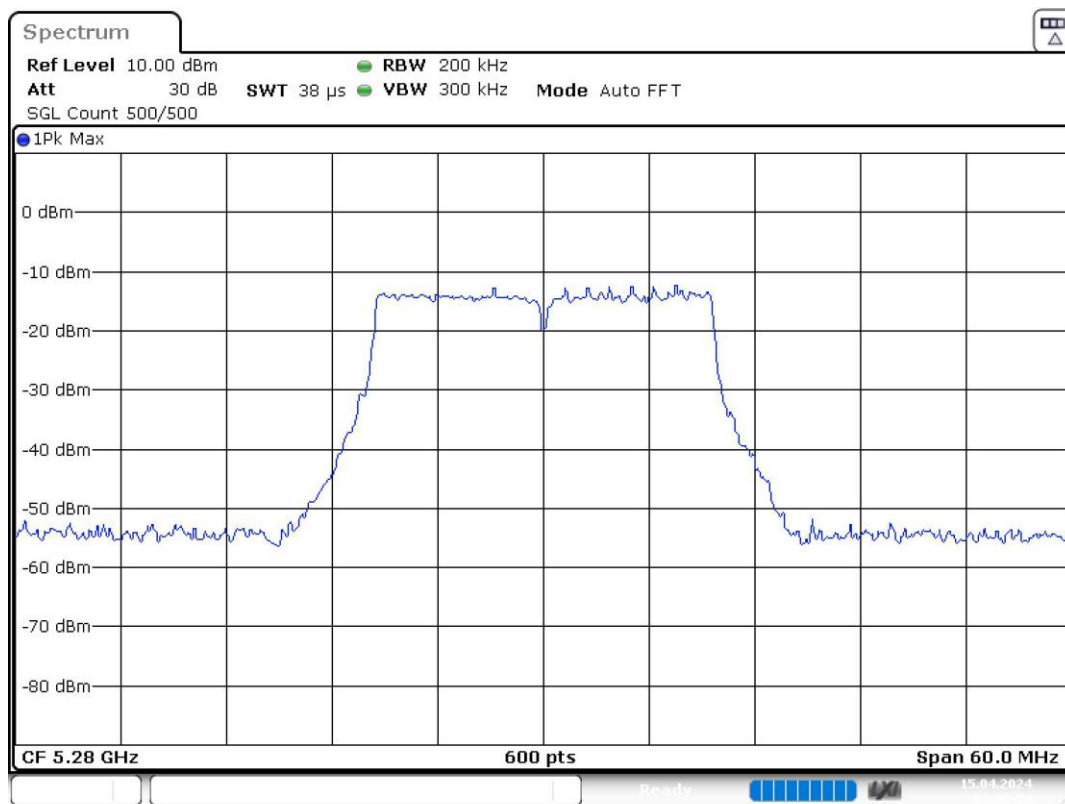


Figure 4: 26 dB Bandwidth



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1.8 Power Spectral Density (5280 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 12: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5280.000000	5288.316832	10.449	11.0	PASS

Table 13: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

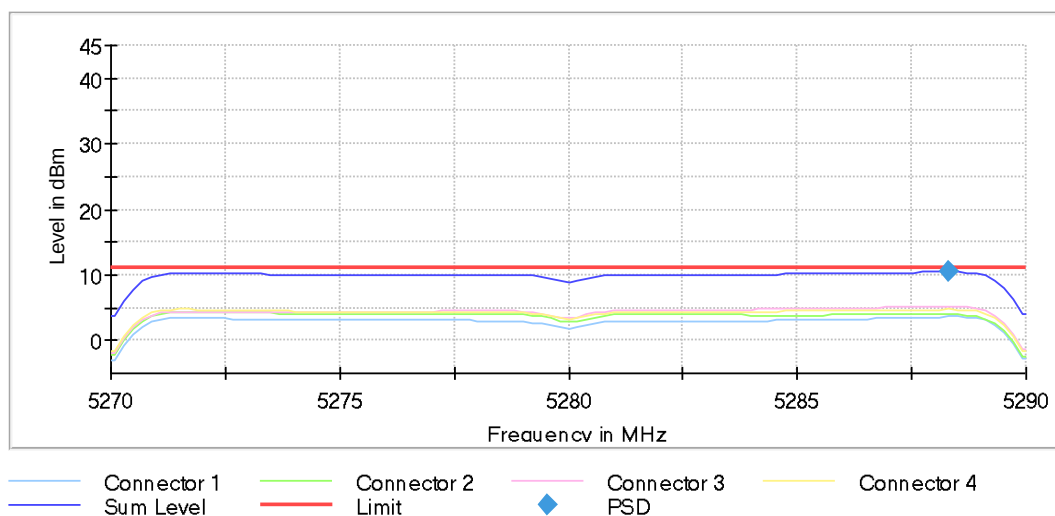


Figure 5: Power Spectral Density

Table 14: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.27000 GHz	5.27000 GHz
Stop Frequency	5.29000 GHz	5.29000 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	FFT	AUTO
Preamplifier	off	off

1.9 Occupied Channel Bandwidth 99% (5280 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 15: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5280.000000	19.250000	---	---	5270.375000	5289.625000	PASS

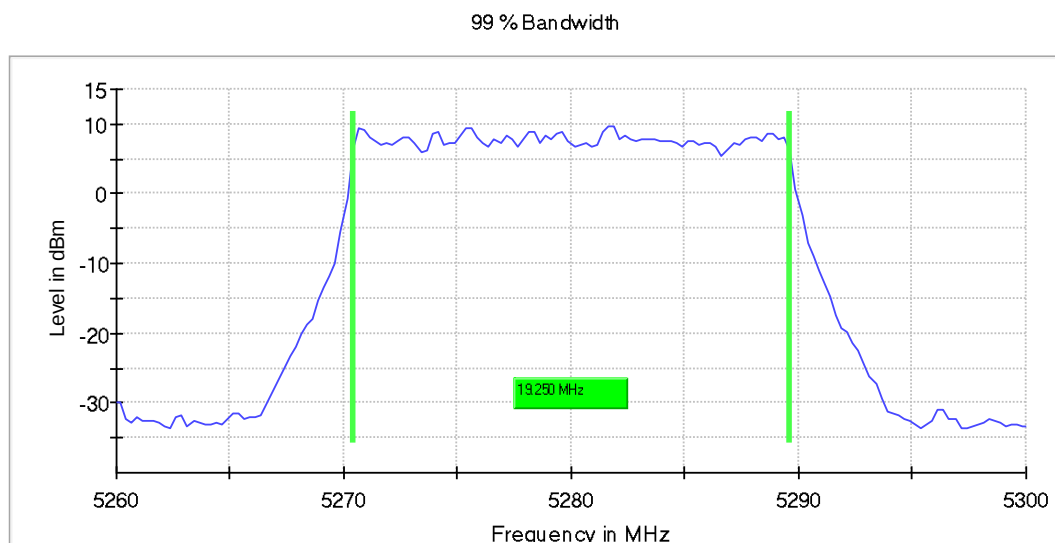
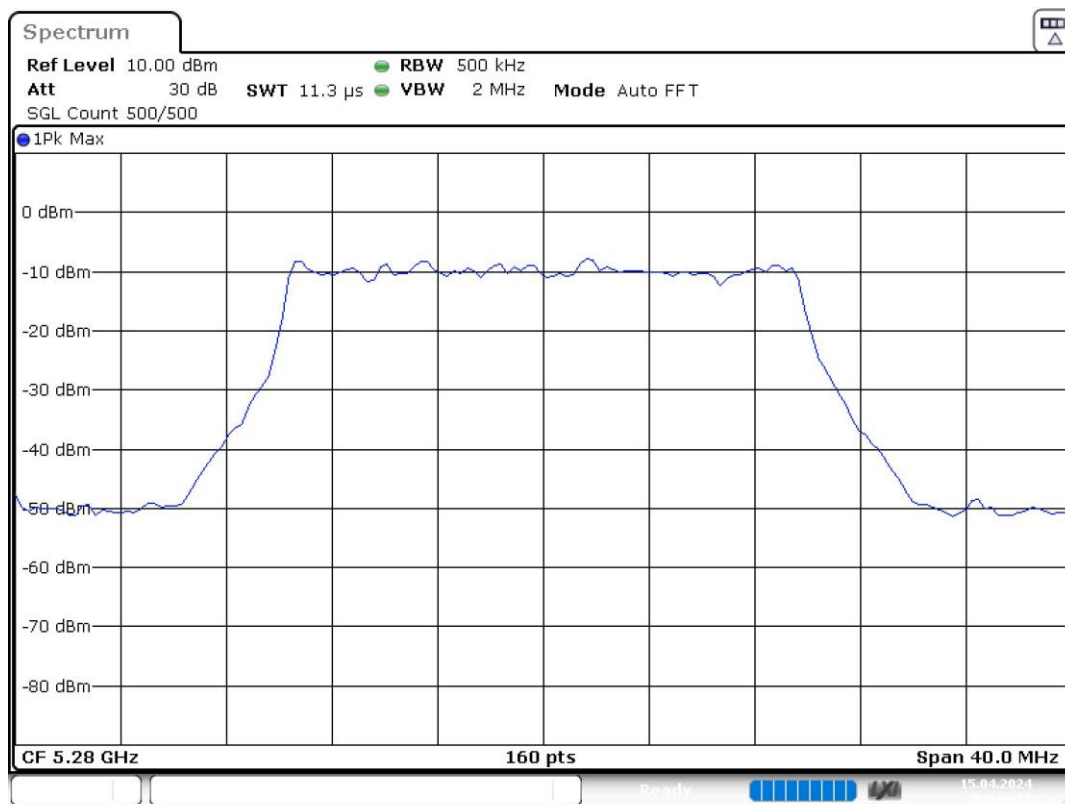


Figure 6: 99 % Bandwidth



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Table 16: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.26000 GHz	5.26000 GHz
Stop Frequency	5.30000 GHz	5.30000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

1.10 Emission Bandwidth 26 dB (5320 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 17: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5320.000000	23.000000	---	---	5308.550000	5331.550000	5.1	PASS

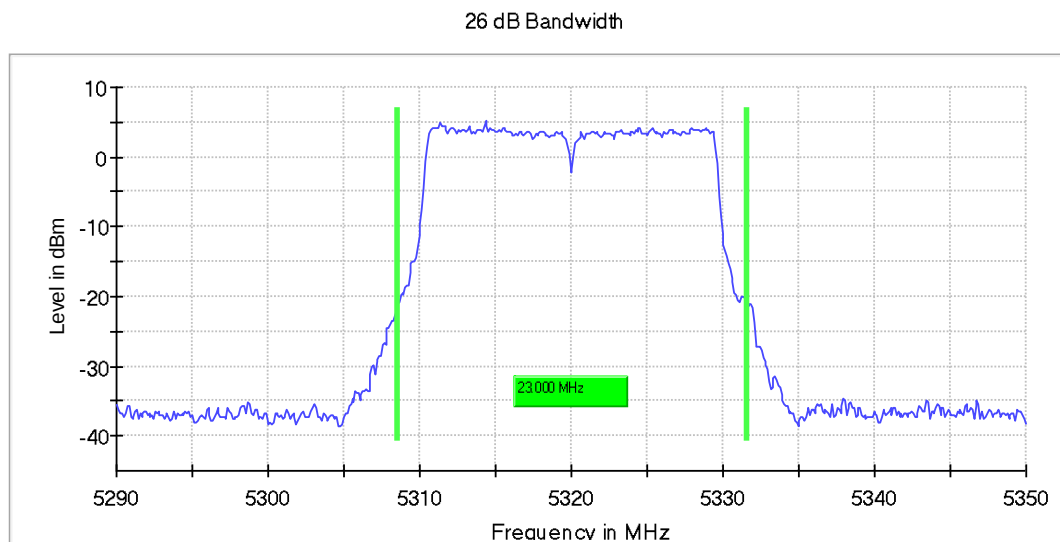
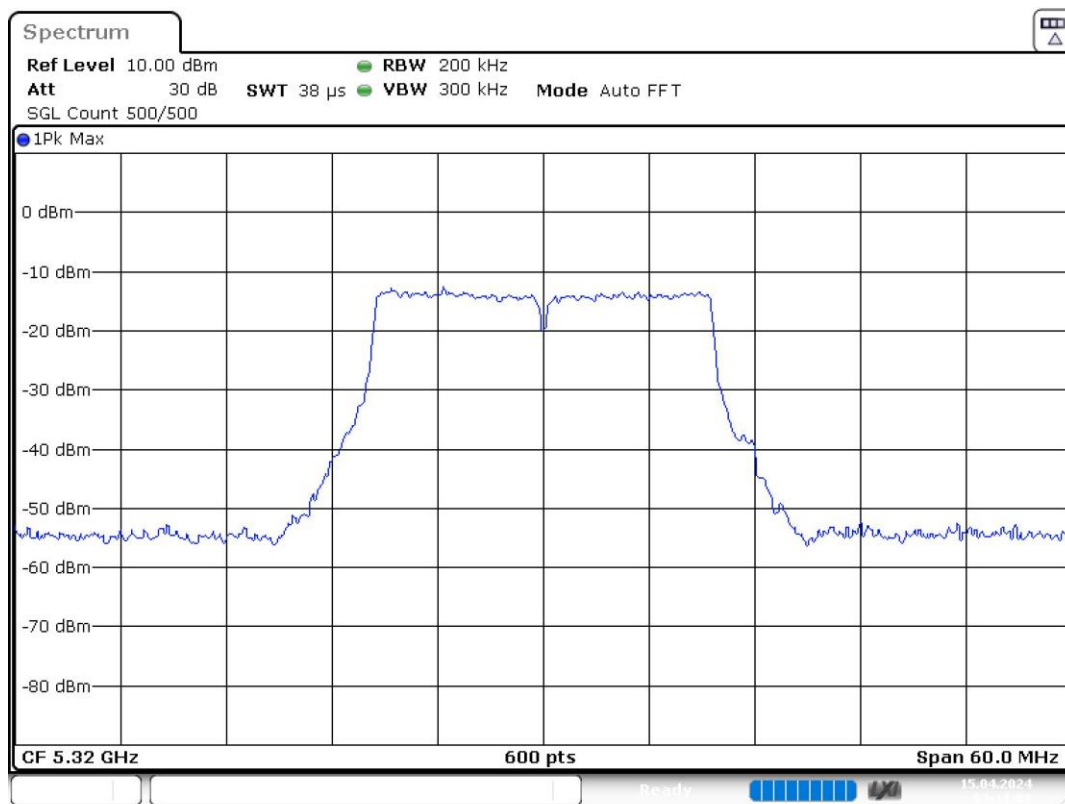


Figure 7: 26 dB Bandwidth



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1.11 Power Spectral Density (5320 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 18: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5320.000000	5328.316832	10.988	11.0	PASS

Table 19: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

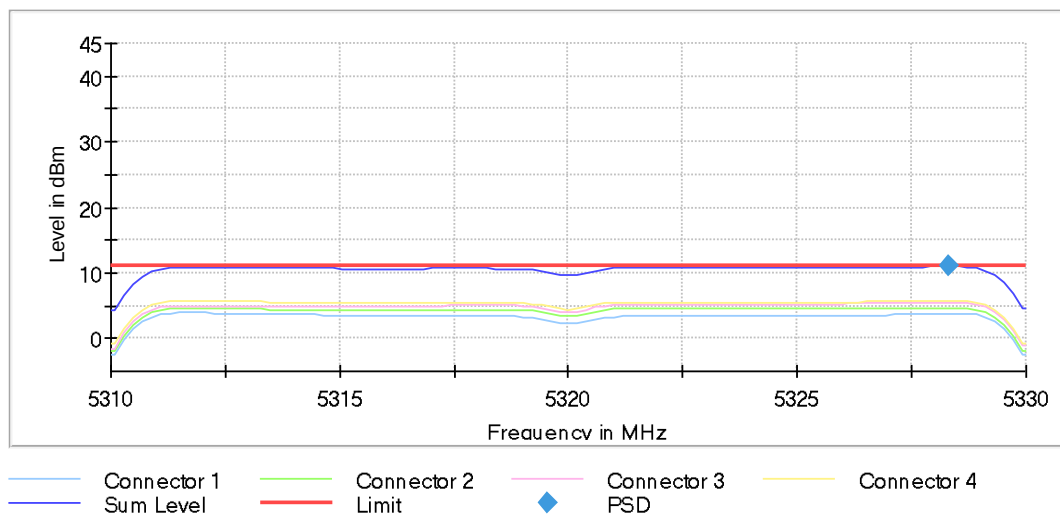


Figure 8: Power Spectral Density

Table 20: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.31000 GHz	5.31000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	FFT	AUTO
Preamplifier	off	off

1.12 Occupied Channel Bandwidth 99% (5320 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 21: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5320.000000	19.250000	---	---	5310.375000	5329.625000	PASS

99 % Bandwidth

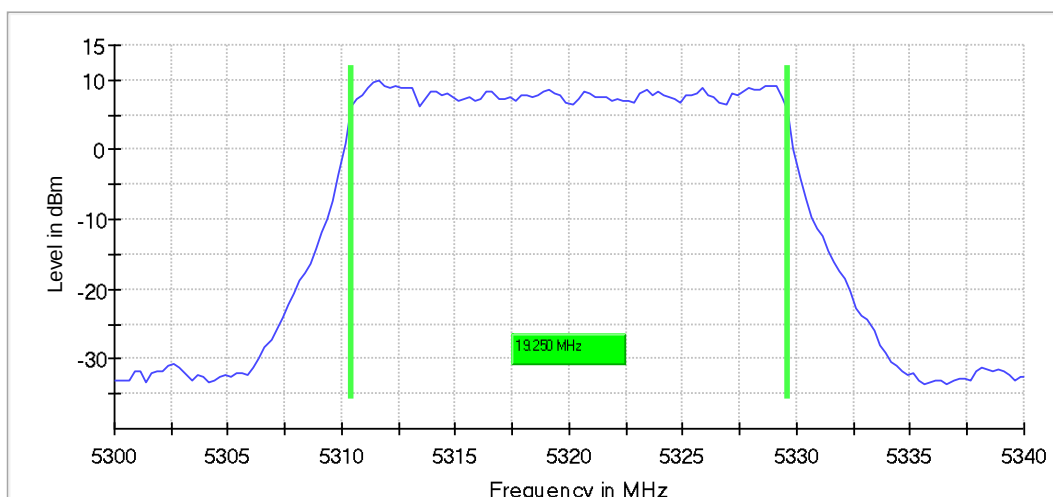
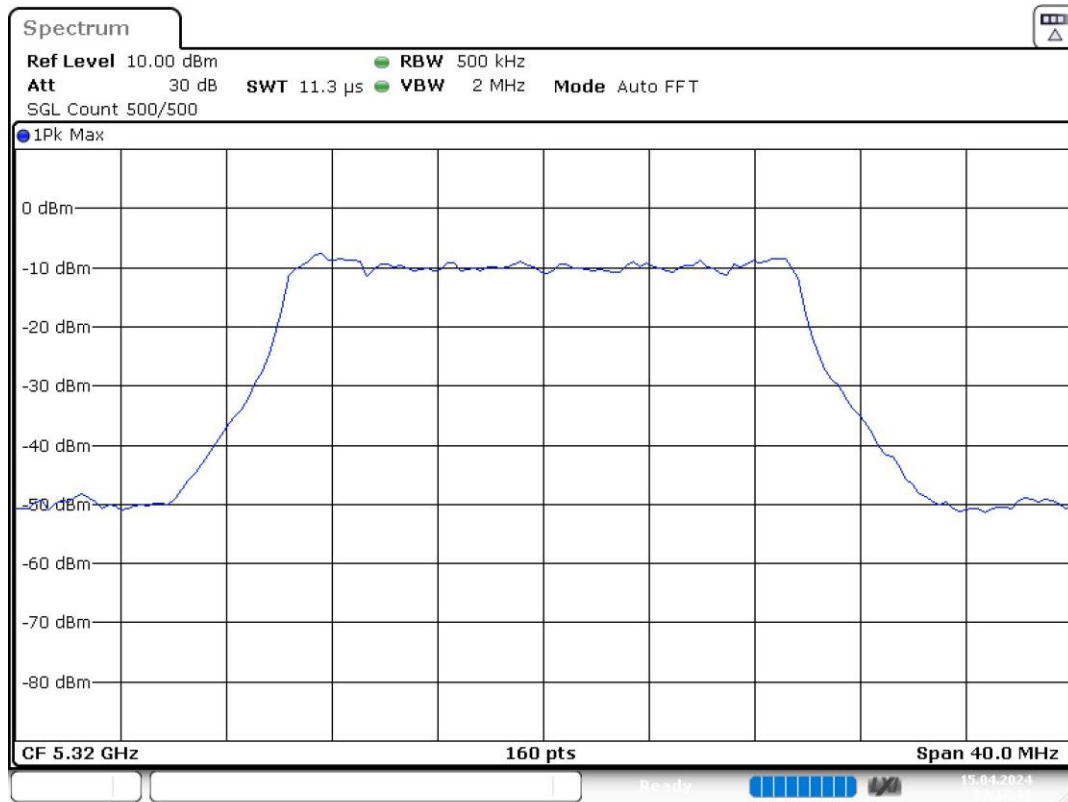


Figure 9: 99 % Bandwidth



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Table 22: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.30000 GHz	5.30000 GHz
Stop Frequency	5.34000 GHz	5.34000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

1.13 Emission Bandwidth 26 dB (5270 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 23: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5270.000000	43.200000	---	---	5248.625000	5291.825000	5.4	PASS

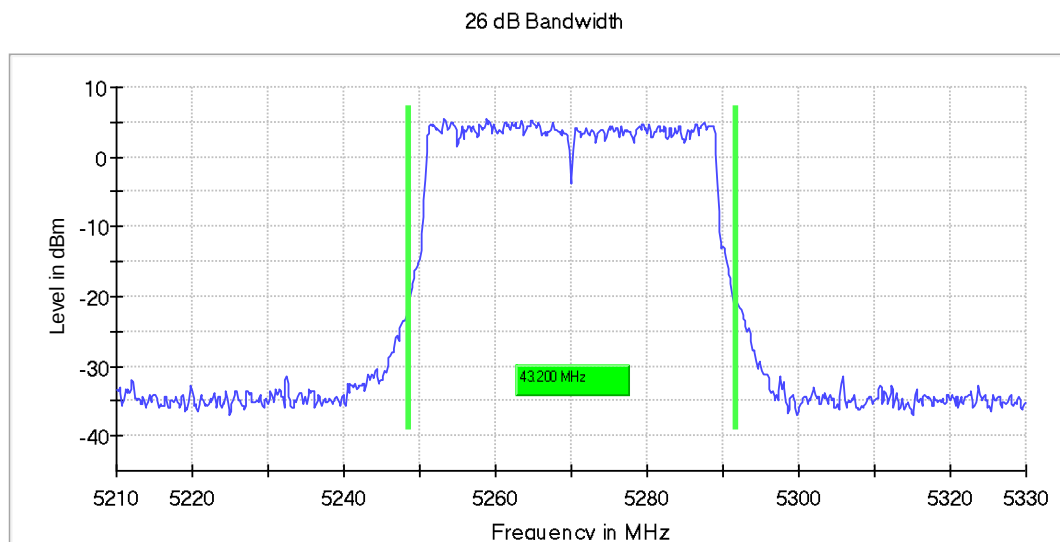
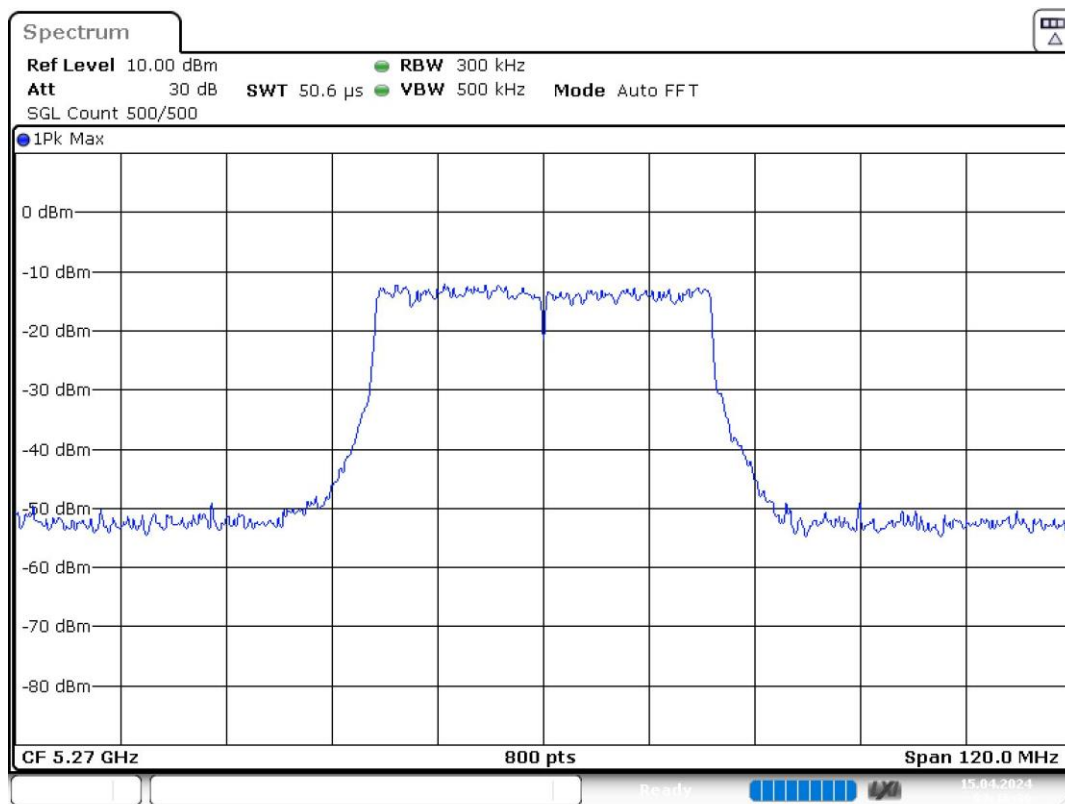


Figure 10: 26 dB Bandwidth



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1.14 Power Spectral Density (5270 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 24: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5270.000000	5252.178218	8.318	11.0	PASS

Table 25: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

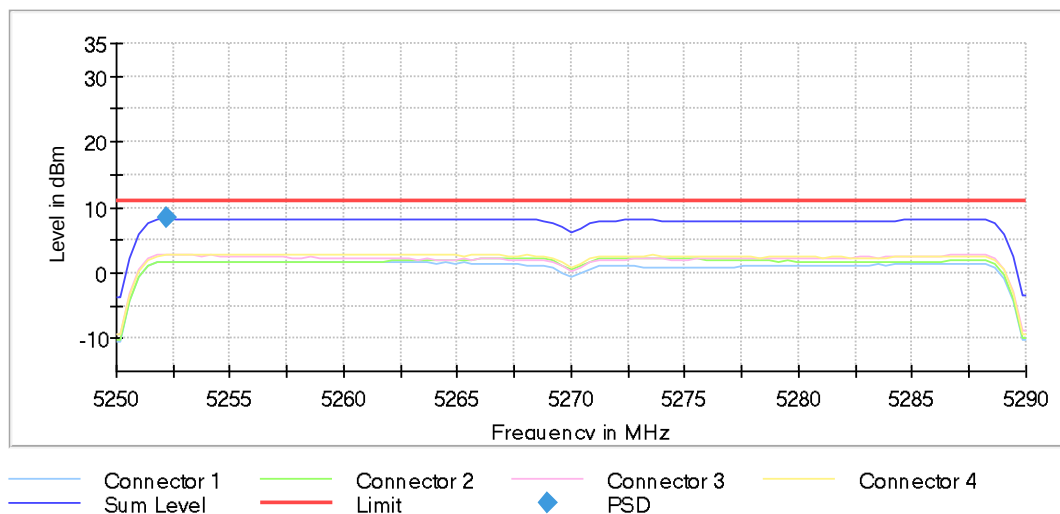


Figure 11: Power Spectral Density

Table 26: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.29000 GHz	5.29000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	AUTO
Preamplifier	off	off

1.15 Occupied Channel Bandwidth 99% (5270 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 27: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5270.000000	38.250000	---	---	5250.875000	5289.125000	PASS

99 % Bandwidth

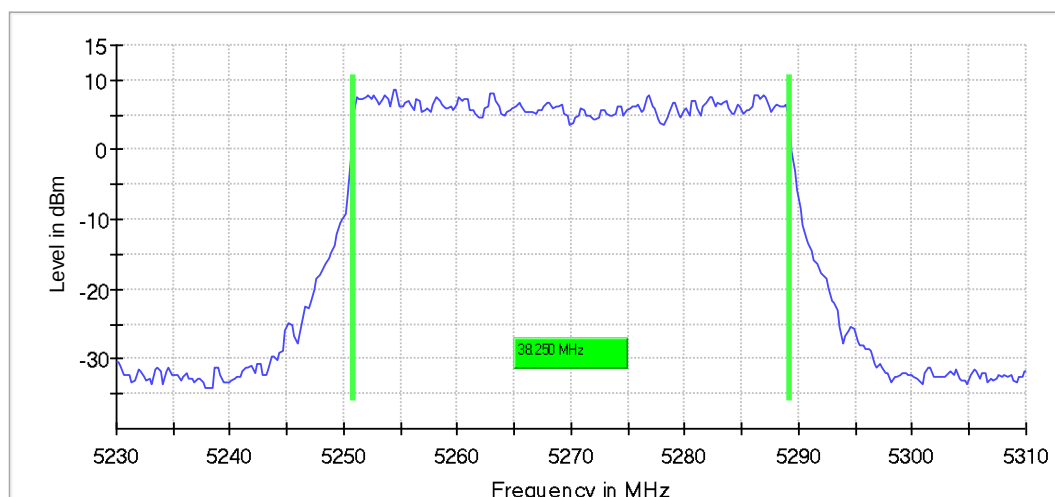
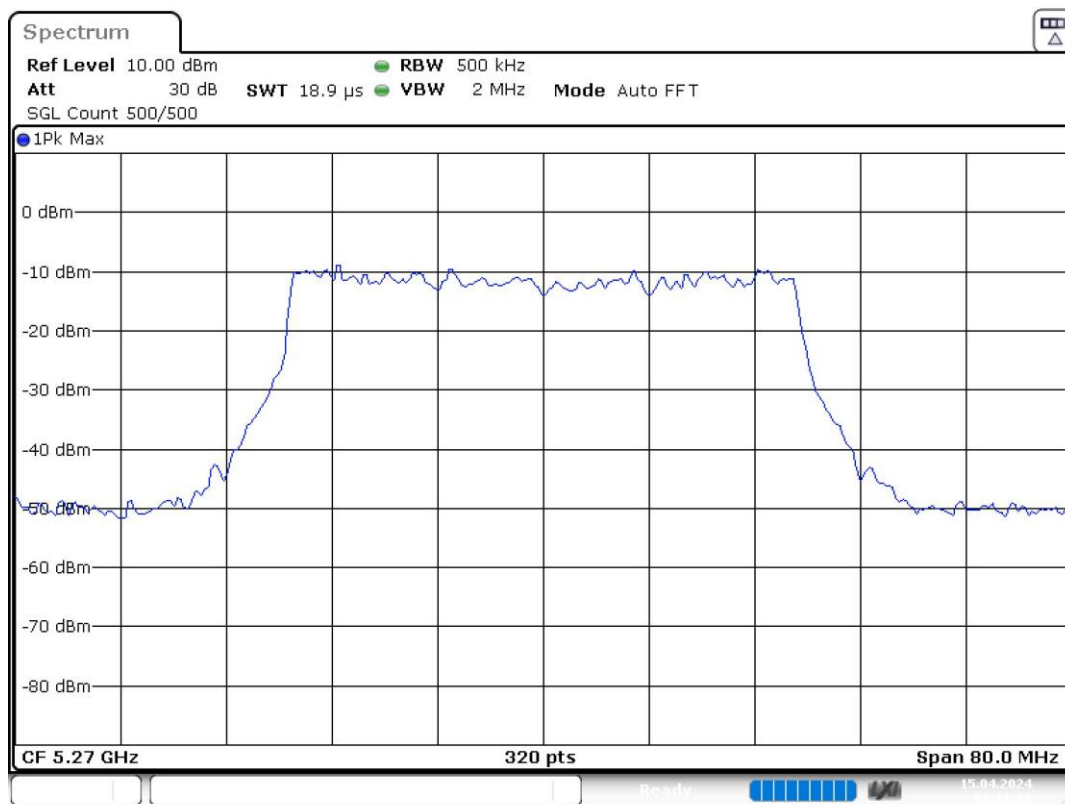


Figure 12: 99 % Bandwidth



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Table 28: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.23000 GHz	5.23000 GHz
Stop Frequency	5.31000 GHz	5.31000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	≥ 400.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	18.906 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

1.16 Emission Bandwidth 26 dB (5310 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 29: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5310.000000	43.650000	---	---	5288.775000	5332.425000	5.0	PASS

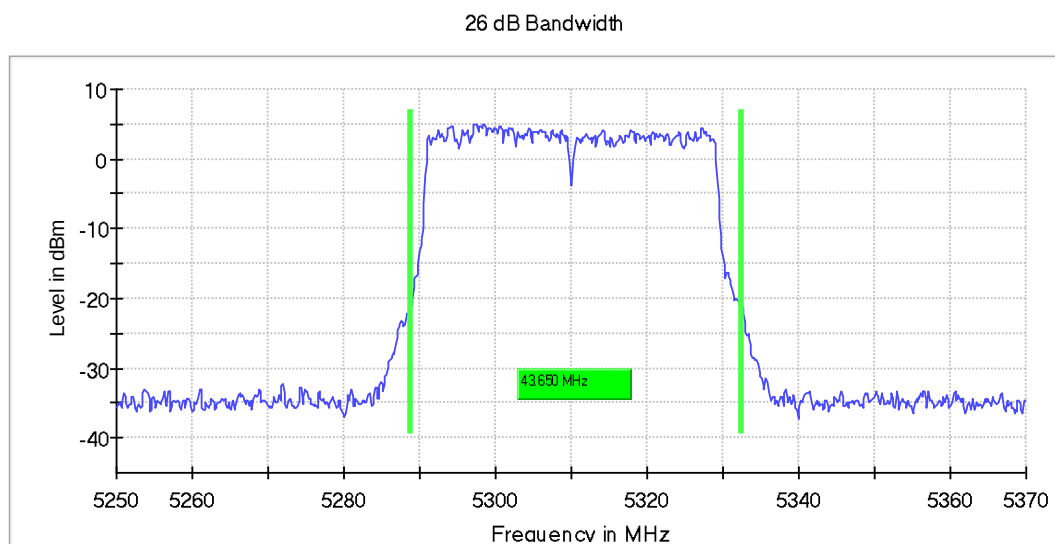
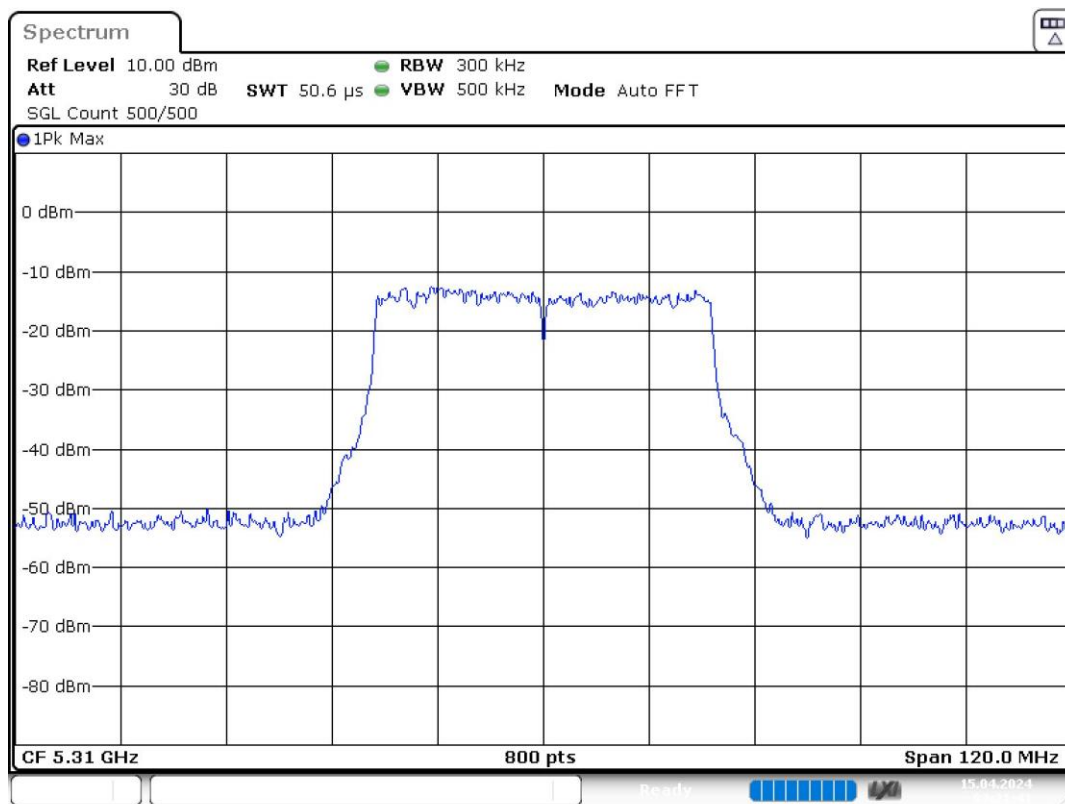


Figure 13: 26 dB Bandwidth



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1.17 Power Spectral Density (5310 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 30: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5310.000000	5327.425743	7.983	11.0	PASS

Table 31: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

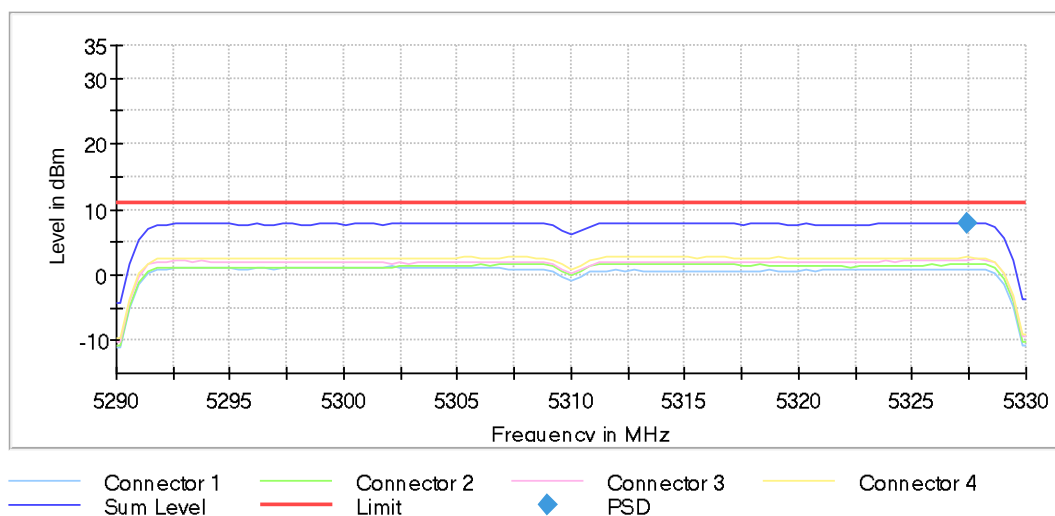


Figure 14: Power Spectral Density

Table 32: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29000 GHz	5.29000 GHz
Stop Frequency	5.33000 GHz	5.33000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	AUTO
Preamplifier	off	off

1.18 Occupied Channel Bandwidth 99% (5310 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 33: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5310.000000	38.250000	---	---	5290.875000	5329.125000	PASS

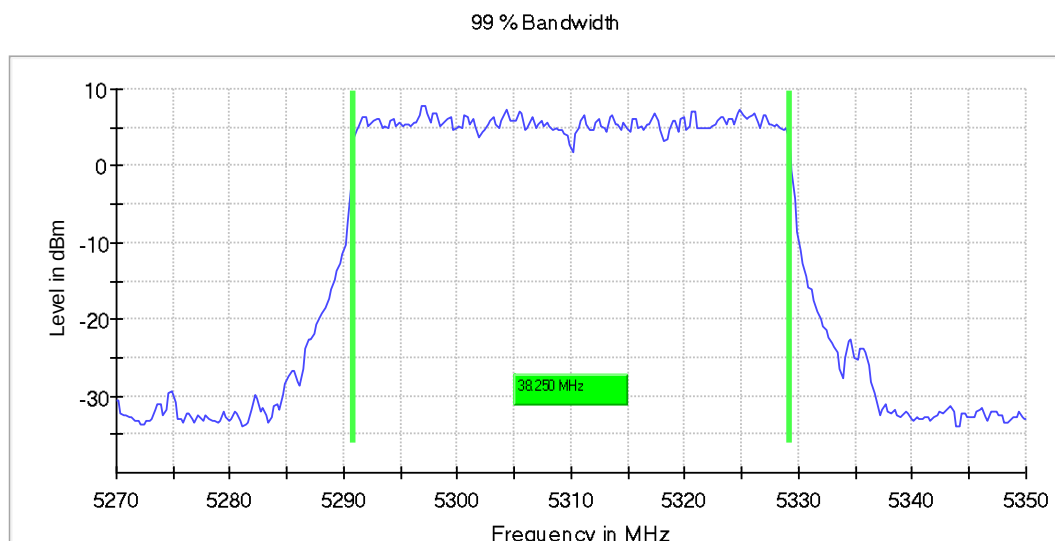
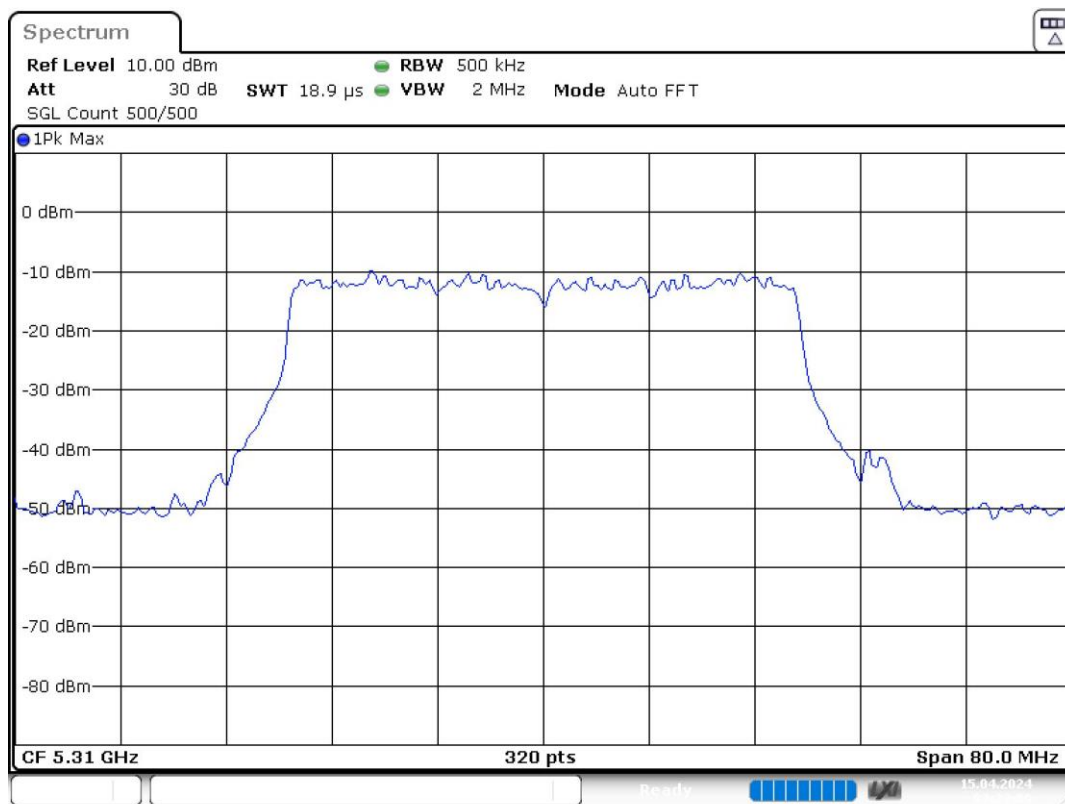


Figure 15: 99 % Bandwidth



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Table 34: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.27000 GHz	5.27000 GHz
Stop Frequency	5.35000 GHz	5.35000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	≥ 400.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	320	~ 320
SweepTime	18.906 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

1.19 Emission Bandwidth 26 dB (5290 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 35: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5290.000000	86.500000	---	---	5247.250000	5333.750000	9.7	PASS

26 dB Bandwidth

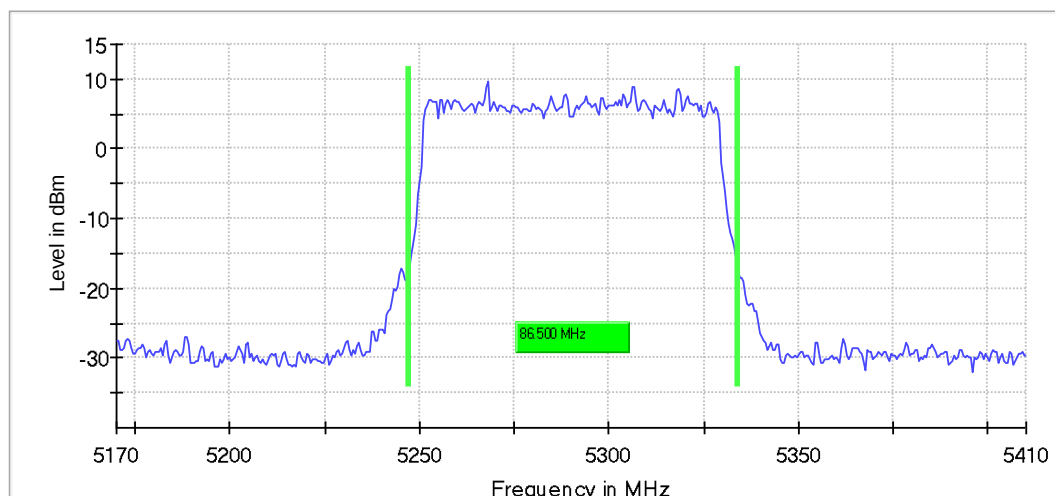
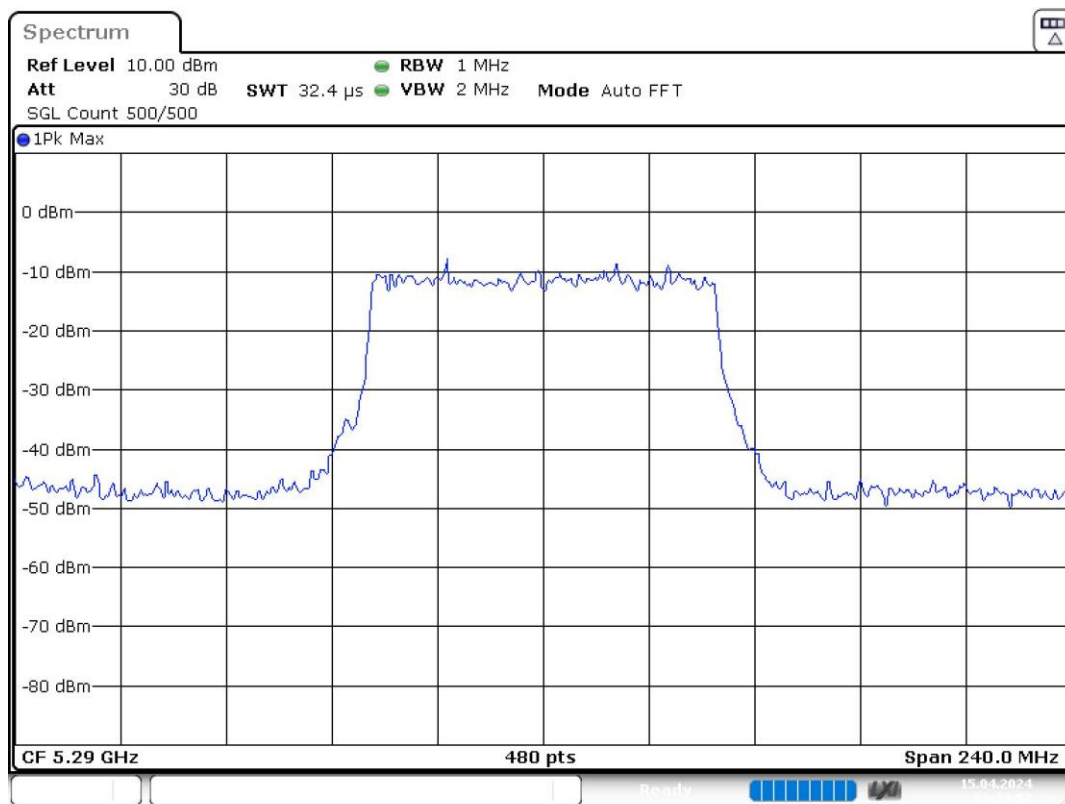


Figure 16: 26 dB Bandwidth



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1.20 Power Spectral Density (5290 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 36: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5290.000000	5327.750000	5.357	11.0	PASS

Table 37: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

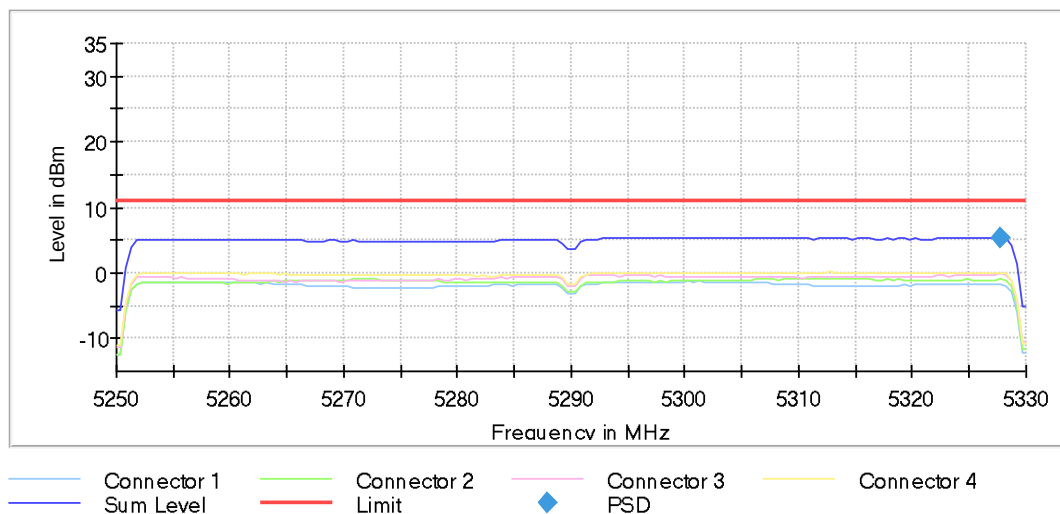


Figure 17: Power Spectral Density

Table 38: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	3.200 ms	3.200 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	AUTO
Preamplifier	off	off

1.21 Occupied Channel Bandwidth 99% (5290 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 39: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5290.000000	77.500000	---	---	5251.250000	5328.750000	PASS

99 % Bandwidth

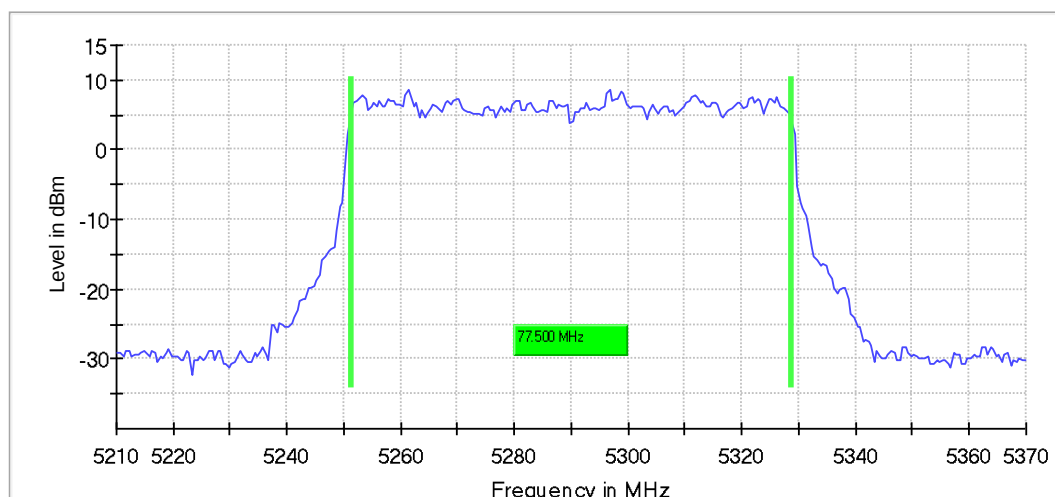
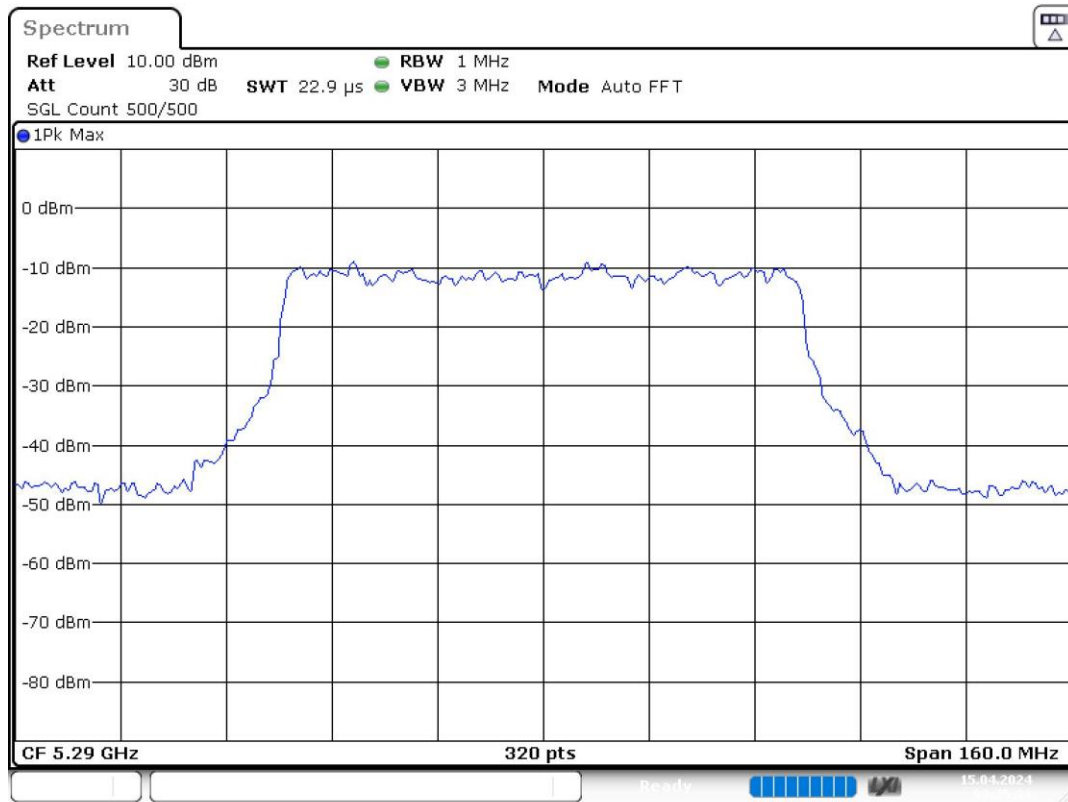


Figure 18: 99 % Bandwidth



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Table 40: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.21000 GHz	5.21000 GHz
Stop Frequency	5.37000 GHz	5.37000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	≥ 800.000 kHz
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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

1.22 Emission Bandwidth 26 dB (5250 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 41: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5250.000000	173.000000	---	---	5164.500000	5337.500000	11.2	PASS

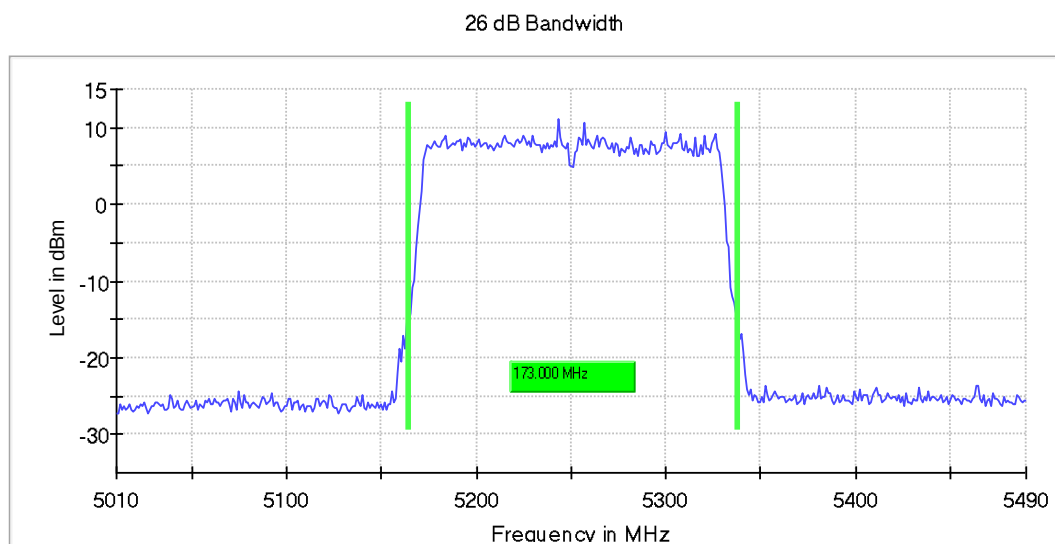
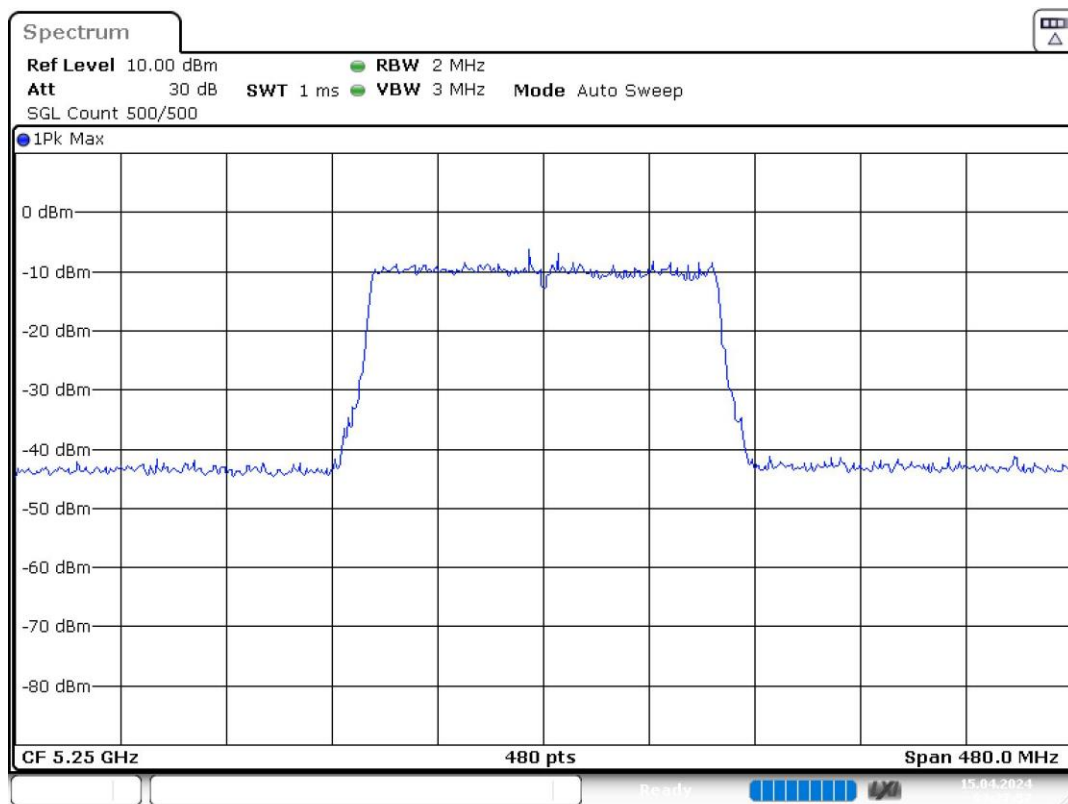


Figure 19: 26 dB Bandwidth



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1.23 Power Spectral Density (5250 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 42: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5250.000000	5327.750000	2.577	11.0	PASS

Table 43: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

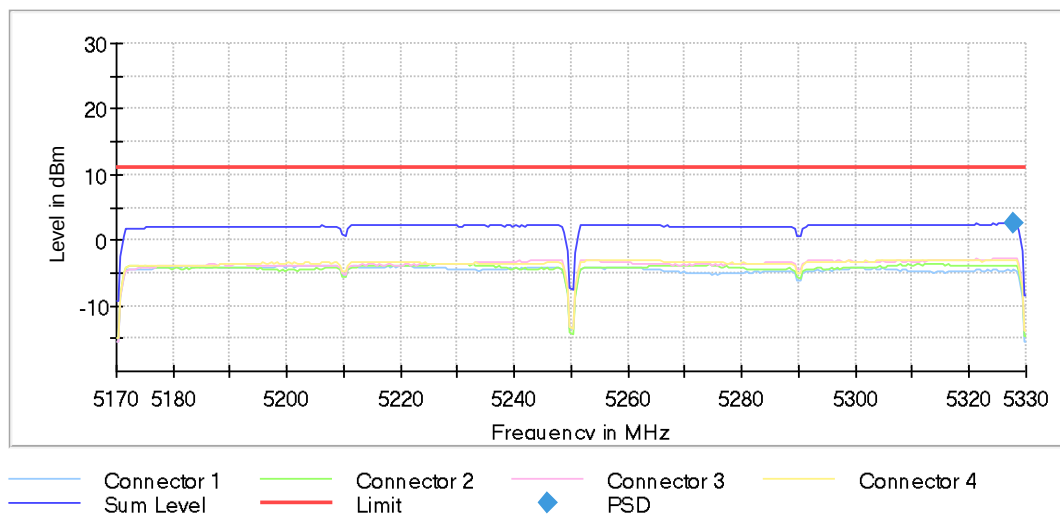


Figure 20: Power Spectral Density

Table 44: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17000 GHz	5.17000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	6.400 ms	6.400 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	AUTO
Preamplifier	off	off

1.24 Occupied Channel Bandwidth 99% (5250 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 45: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5250.000000	157.000000	---	---	5171.500000	5328.500000	PASS

99 % Bandwidth

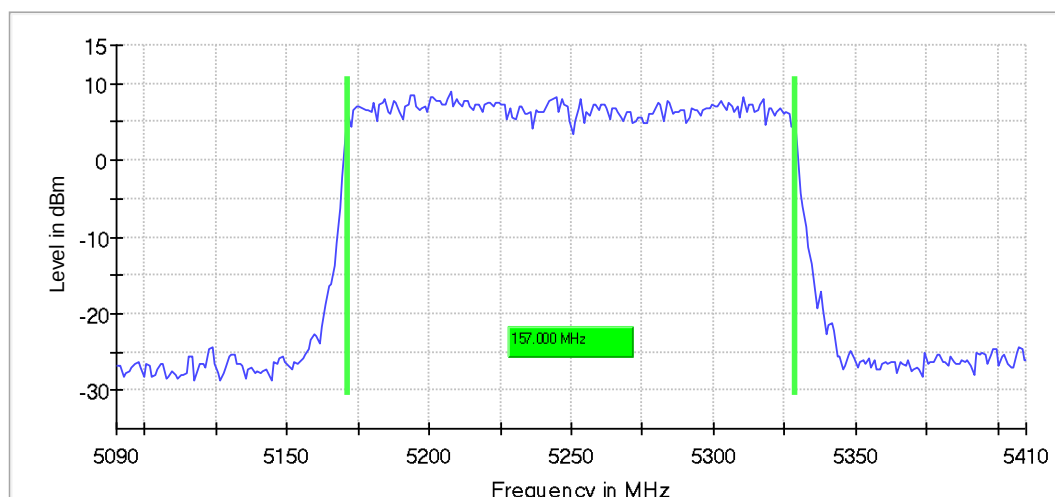
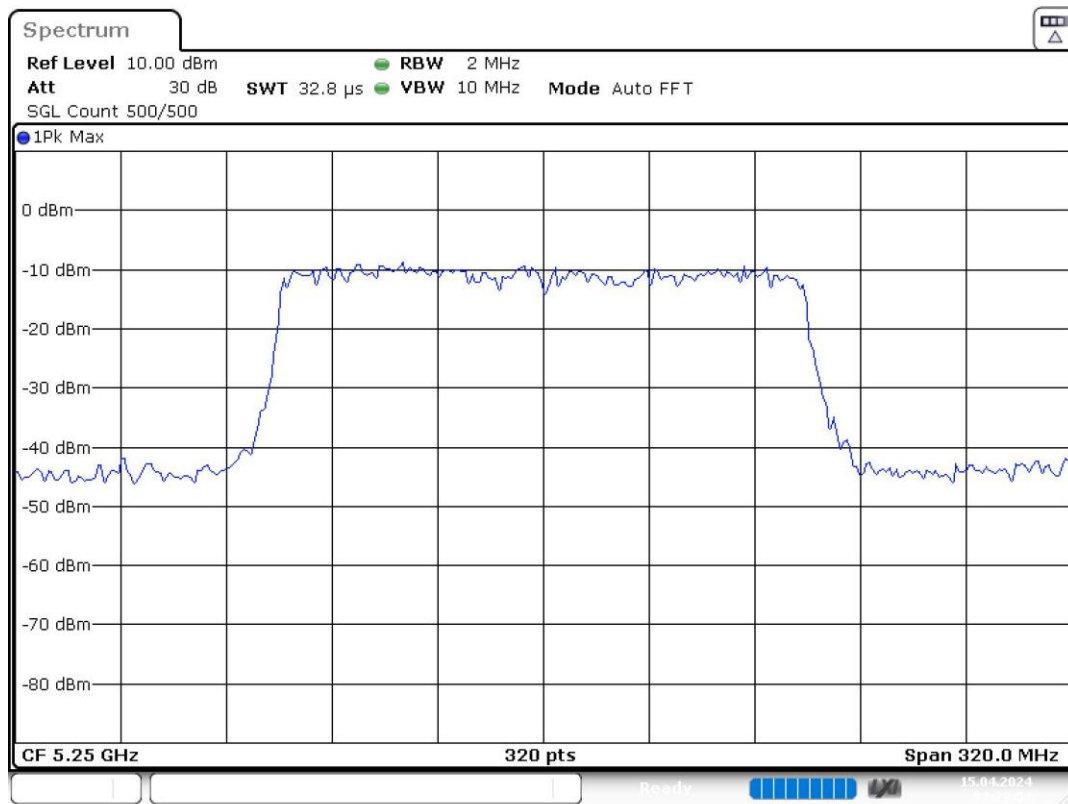


Figure 21: 99 % Bandwidth



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Table 46: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.09000 GHz	5.09000 GHz
Stop Frequency	5.41000 GHz	5.41000 GHz
Span	320.000 MHz	320.000 MHz
RBW	2.000 MHz	≥ 1.600 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

2 UNII-2C

2.1.1 ax mode

Table 47: Summary

Test	Frequency MHz	Nominal dBm	Nominal MHz	Result
Emission Bandwidth 26 dB	5500.000	24.0	20.000000	PASS
RF output power	5500.000	24.0	20.000000	PASS
Power Spectral Density	5500.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5500.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5600.000	24.0	20.000000	PASS
Power Spectral Density	5600.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5600.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5720.000	24.0	20.000000	PASS
Power Spectral Density	5720.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5720.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5510.000	24.0	40.000000	PASS
Power Spectral Density	5510.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5510.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5590.000	24.0	40.000000	PASS
Power Spectral Density	5590.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5590.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5710.000	24.0	40.000000	PASS
Power Spectral Density	5710.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5710.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5530.000	24.0	80.000000	PASS
Power Spectral Density	5530.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5530.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5610.000	24.0	80.000000	PASS
Power Spectral Density	5610.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5610.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5690.000	24.0	80.000000	PASS
Power Spectral Density	5690.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5690.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5570.000	24.0	160.000000	PASS
Power Spectral Density	5570.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	5570.000	24.0	160.000000	PASS

3 Testcases

3.1 Emission Bandwidth 26 dB (5500 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 48: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5500.000000	22.900000	---	---	5488.250000	5511.150000	5.7	PASS

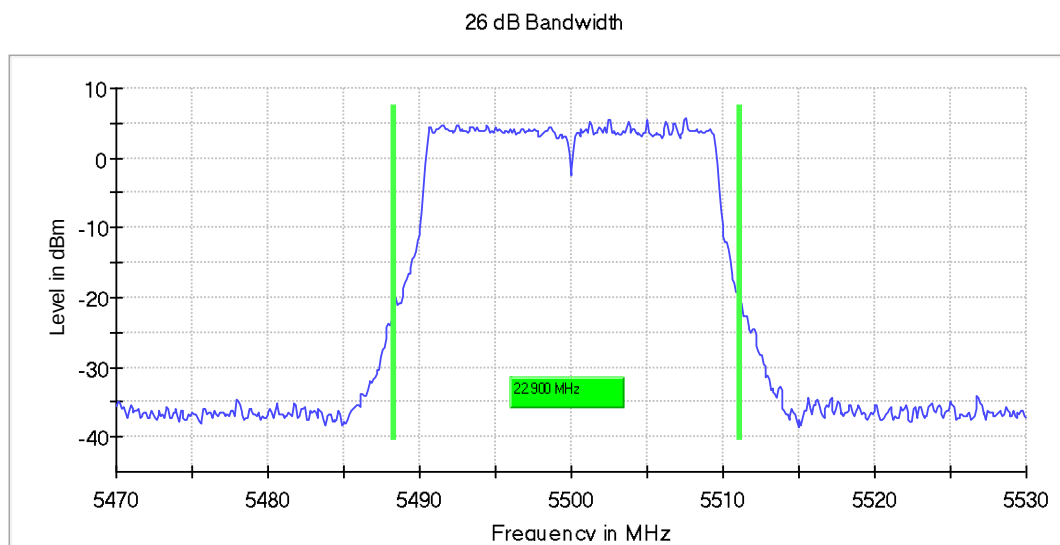
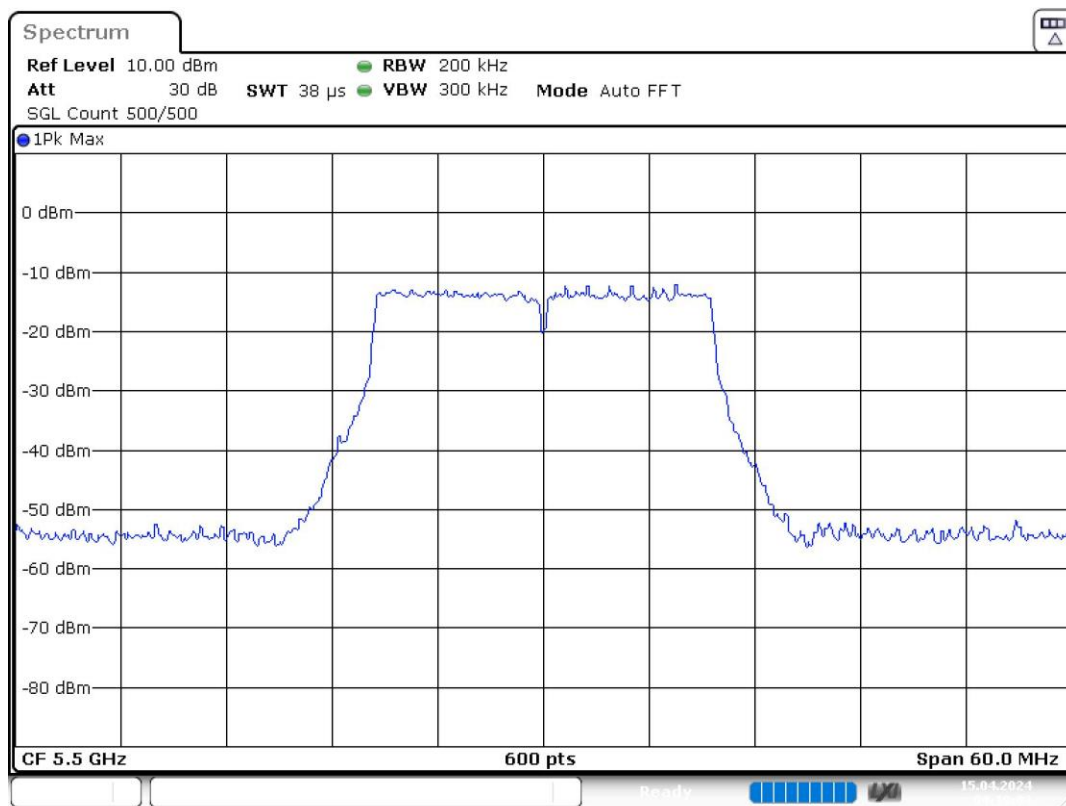


Figure 22: 26 dB Bandwidth



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Table 49: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.47000 GHz	5.47000 GHz
Stop Frequency	5.53000 GHz	5.53000 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweptime	37.969 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamplifier	off	off

3.2 RF output power (5500 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 50: Result

DUT Frequency	Gated RMS	Limit Max	Gated EIRP	DutyCycle	Result
MHz	dBm	dBm	dBm	%	
5500.000000	22.6	24.0	22.6	99.712	PASS

Table 51: 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

3.3 Power Spectral Density (5500 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 52: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5500.000000	5508.316832	10.066	11.0	PASS

Table 53: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

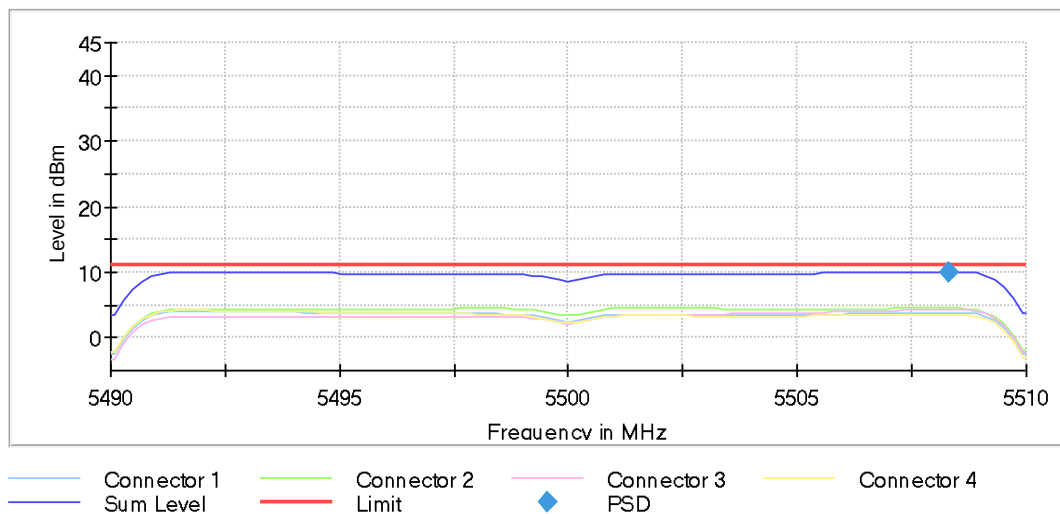


Figure 23: Power Spectral Density

Table 54: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.51000 GHz	5.51000 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	FFT	AUTO
Preamplifier	off	off

3.4 Occupied Channel Bandwidth 99% (5500 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 55: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5500.000000	19.250000	---	---	5490.375000	5509.625000	PASS

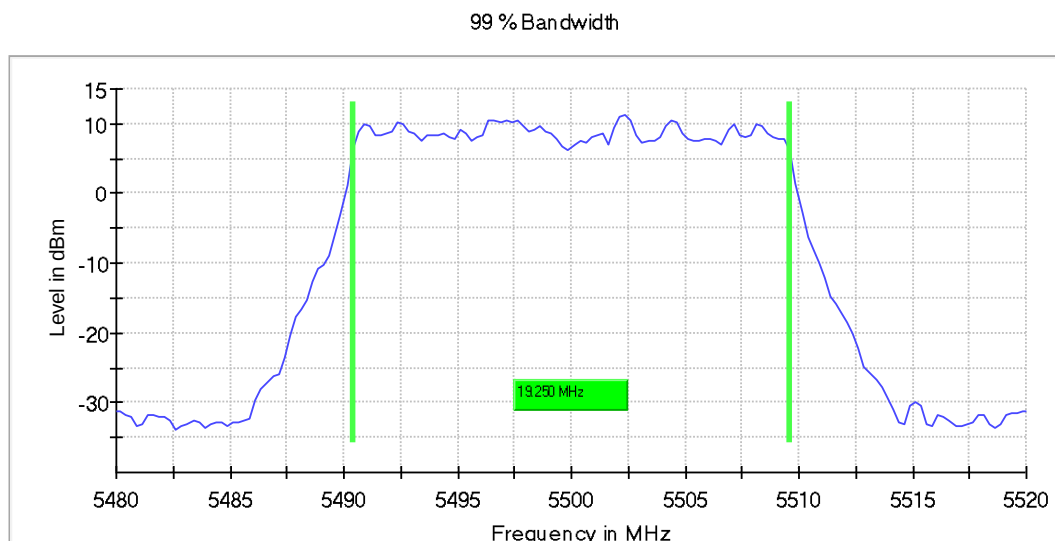
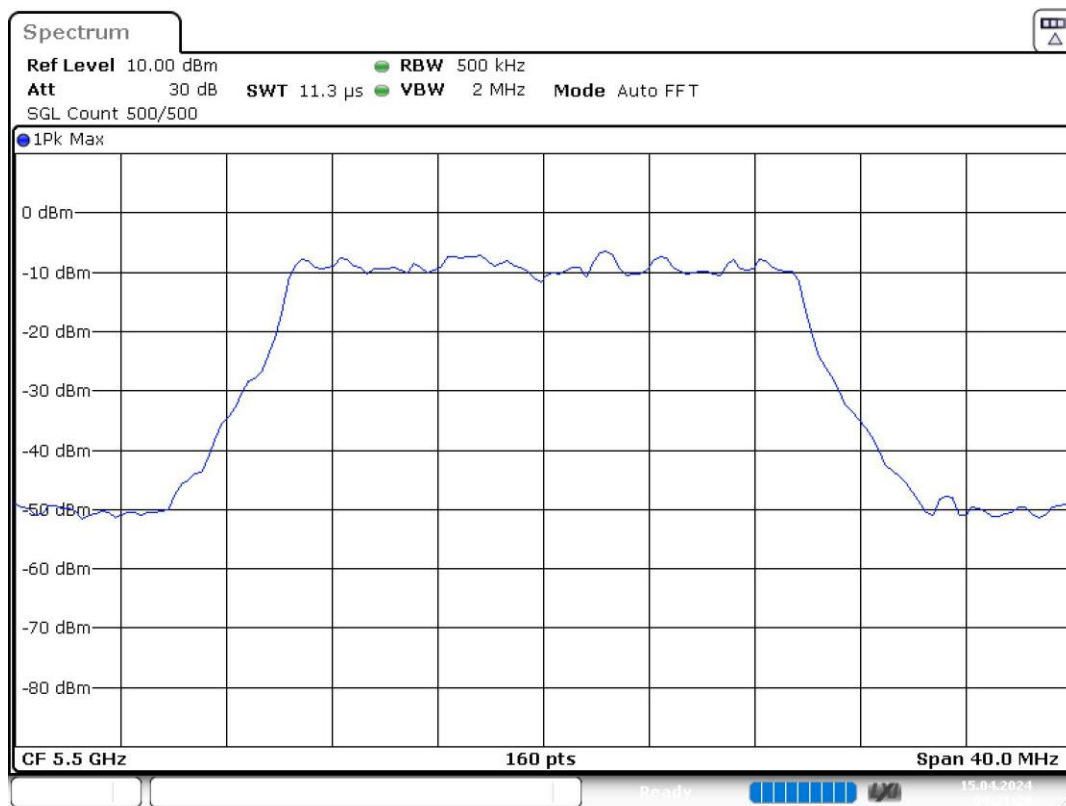


Figure 24: 99 % Bandwidth



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Table 56: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.48000 GHz	5.48000 GHz
Stop Frequency	5.52000 GHz	5.52000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamplifier	off	off

3.5 Emission Bandwidth 26 dB (5600 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 57: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5600.000000	22.500000	---	---	5588.550000	5611.050000	5.3	PASS

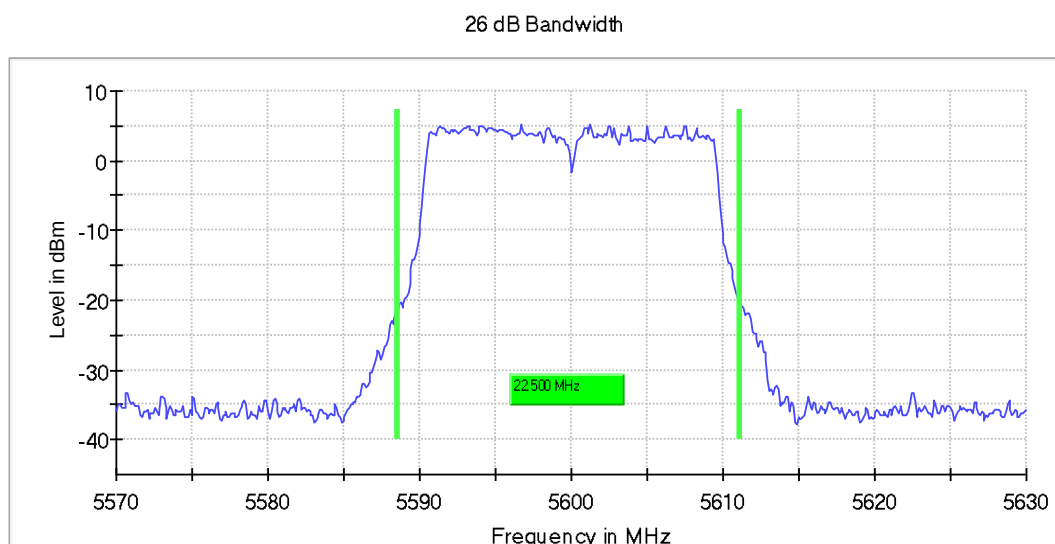
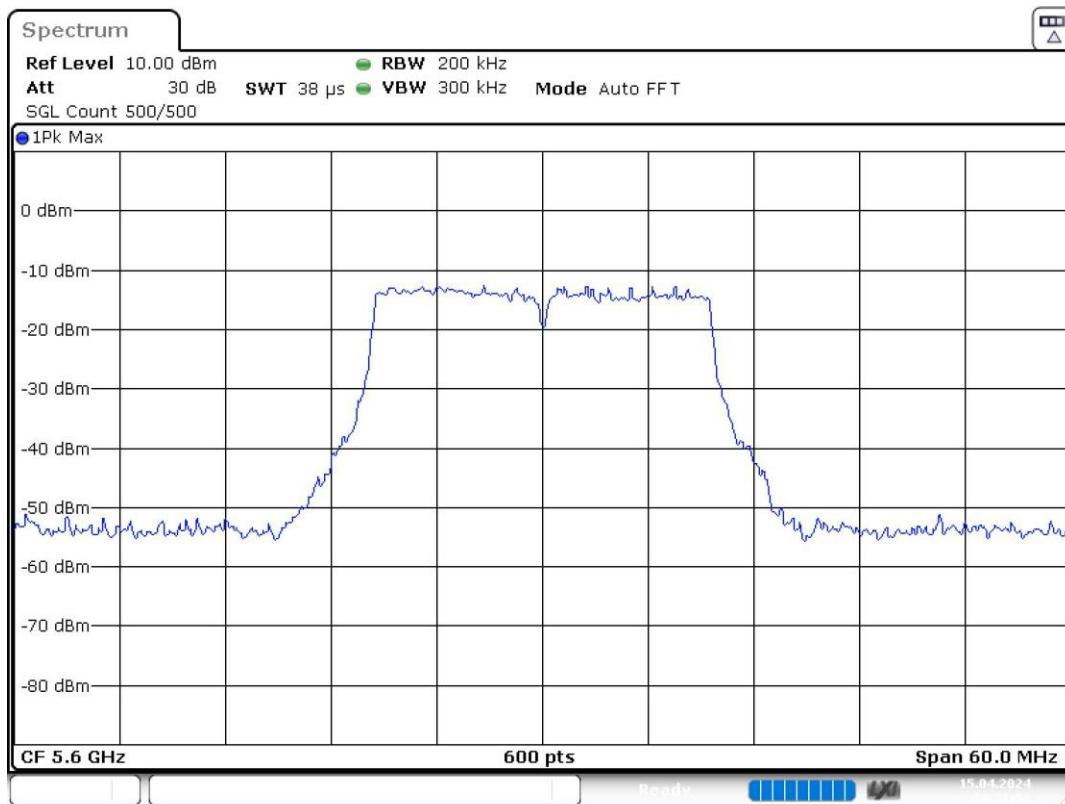


Figure 25: 26 dB Bandwidth



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3.6 Power Spectral Density (5600 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 58: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5600.000000	5591.683168	10.463	11.0	PASS

Table 59: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

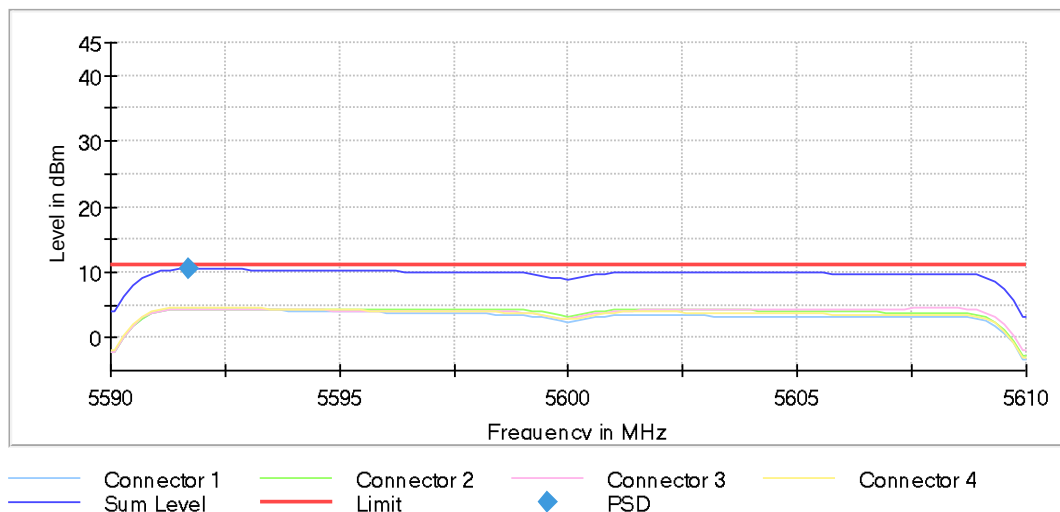


Figure 26: Power Spectral Density

Table 60: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.59000 GHz	5.59000 GHz
Stop Frequency	5.61000 GHz	5.61000 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	FFT	AUTO
Preamplifier	off	off

3.7 Occupied Channel Bandwidth 99% (5600 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 61: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5600.000000	19.250000	---	---	5590.375000	5609.625000	PASS

99 % Bandwidth

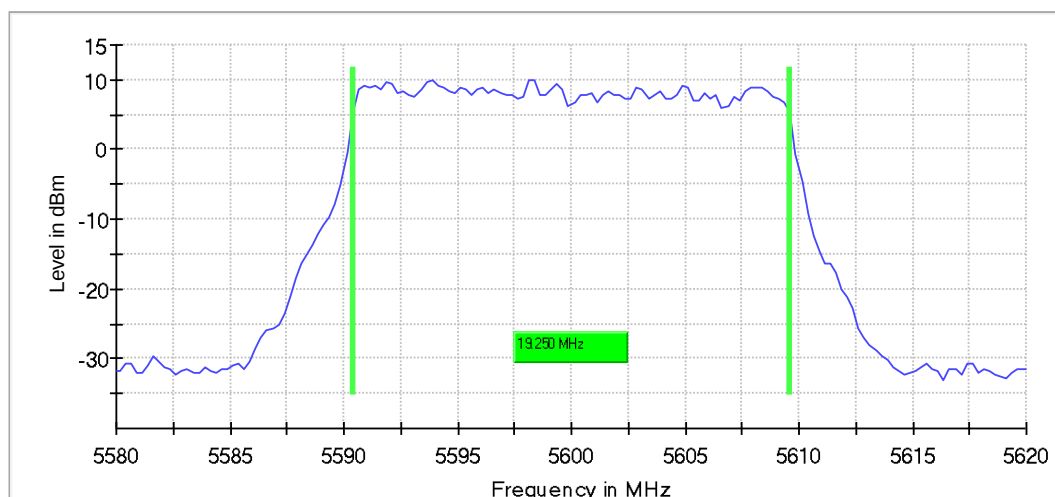
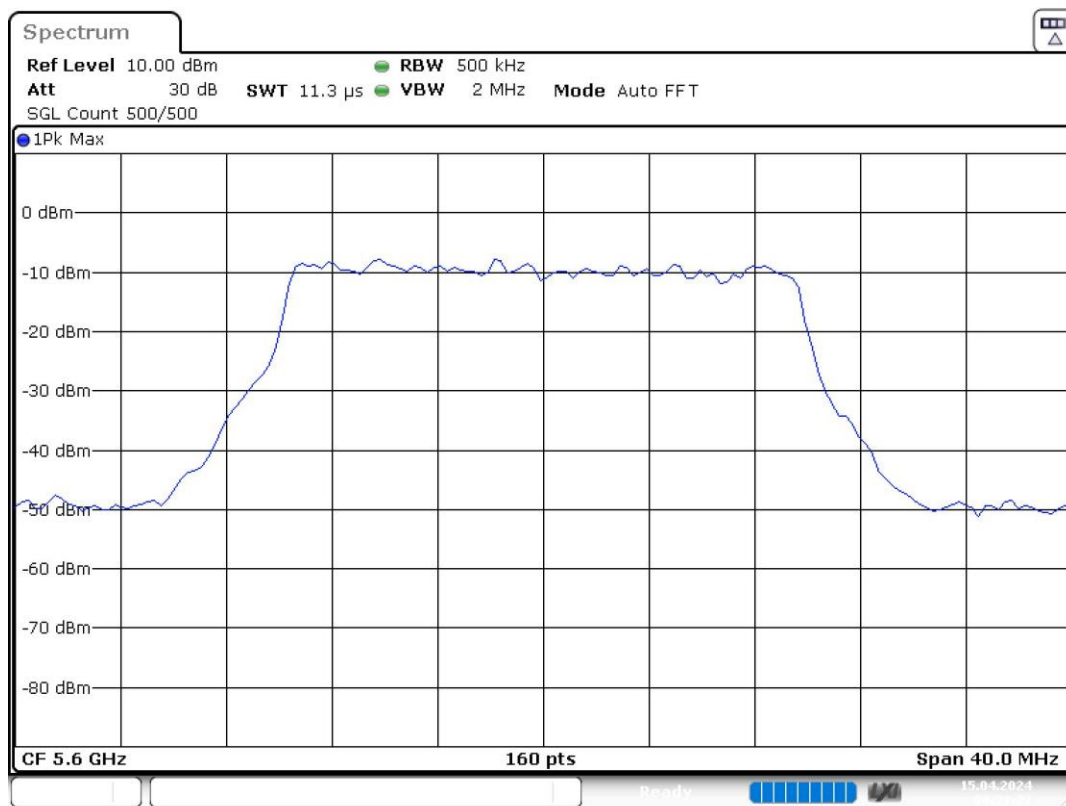


Figure 27: 99 % Bandwidth



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Table 62: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.58000 GHz	5.58000 GHz
Stop Frequency	5.62000 GHz	5.62000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.8 Emission Bandwidth 26 dB (5720 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 63: 26 dB Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5720.000000	22.500000	16.150000	6.350000	---	---	5708.850000	5731.350000	5.7	PASS

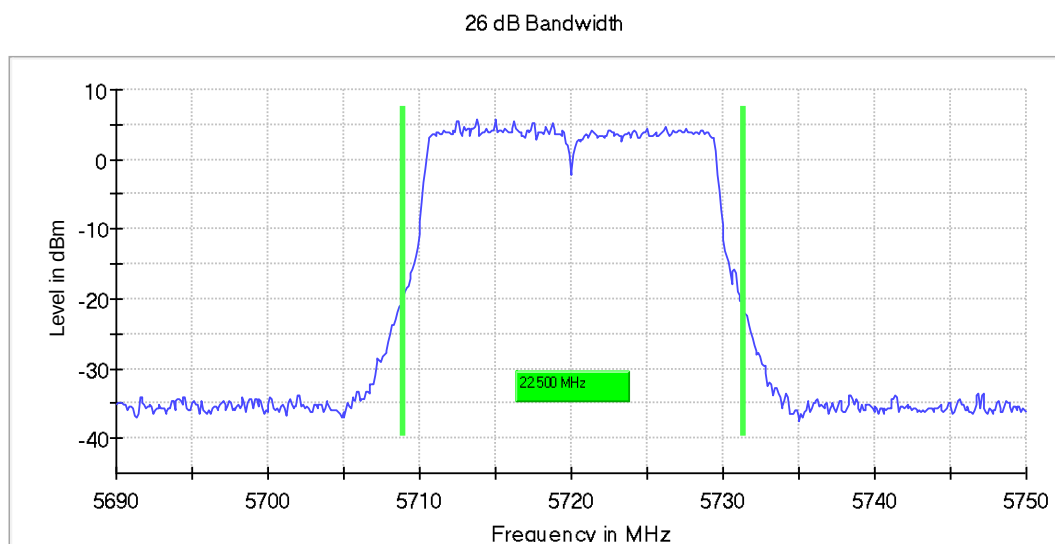
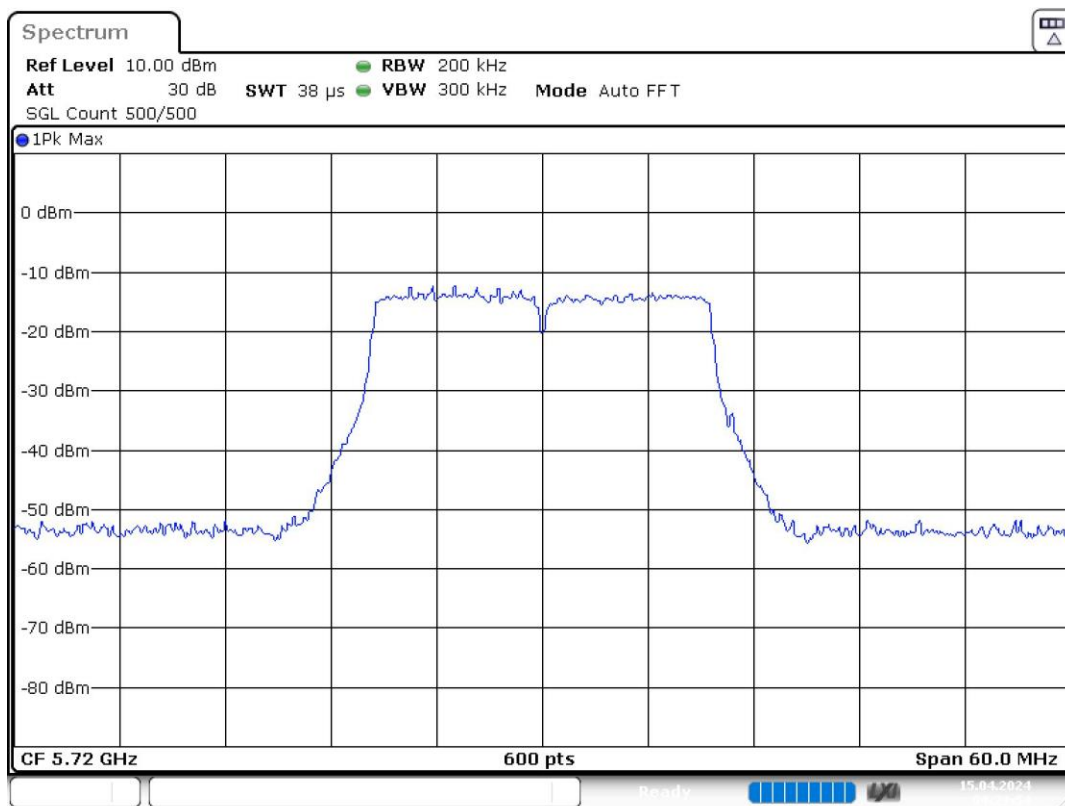


Figure 28: 26 dB Bandwidth



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3.9 Power Spectral Density (5720 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 64: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5720.000000	5711.683168	10.318	11.0	PASS

Table 65: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

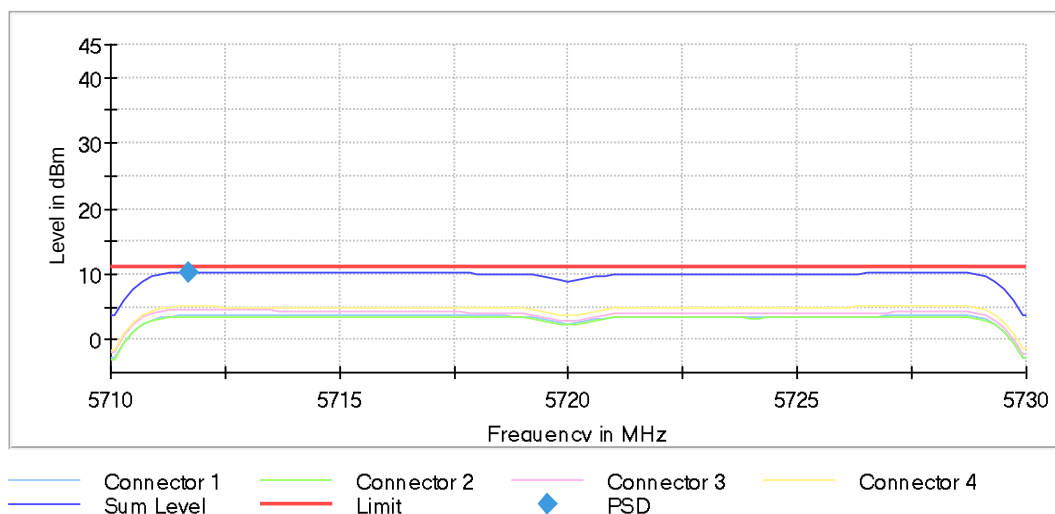


Figure 29: Power Spectral Density

Table 66: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71000 GHz	5.71000 GHz
Stop Frequency	5.73000 GHz	5.73000 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	FFT	AUTO
Preamplifier	off	off

3.10 Occupied Channel Bandwidth 99% (5720 MHz, 20 MHz, 24.000 dBm)

Customized settings.

Table 67: 99 % Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	
5720.000000	19.250000	14.625000	4.625000	---	---	5710.375000	5729.625000	PASS

99 % Bandwidth

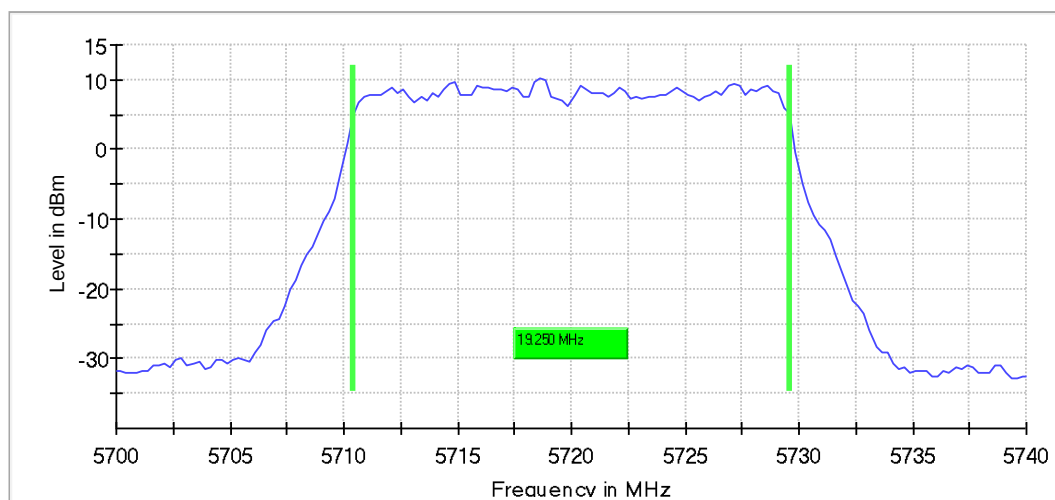
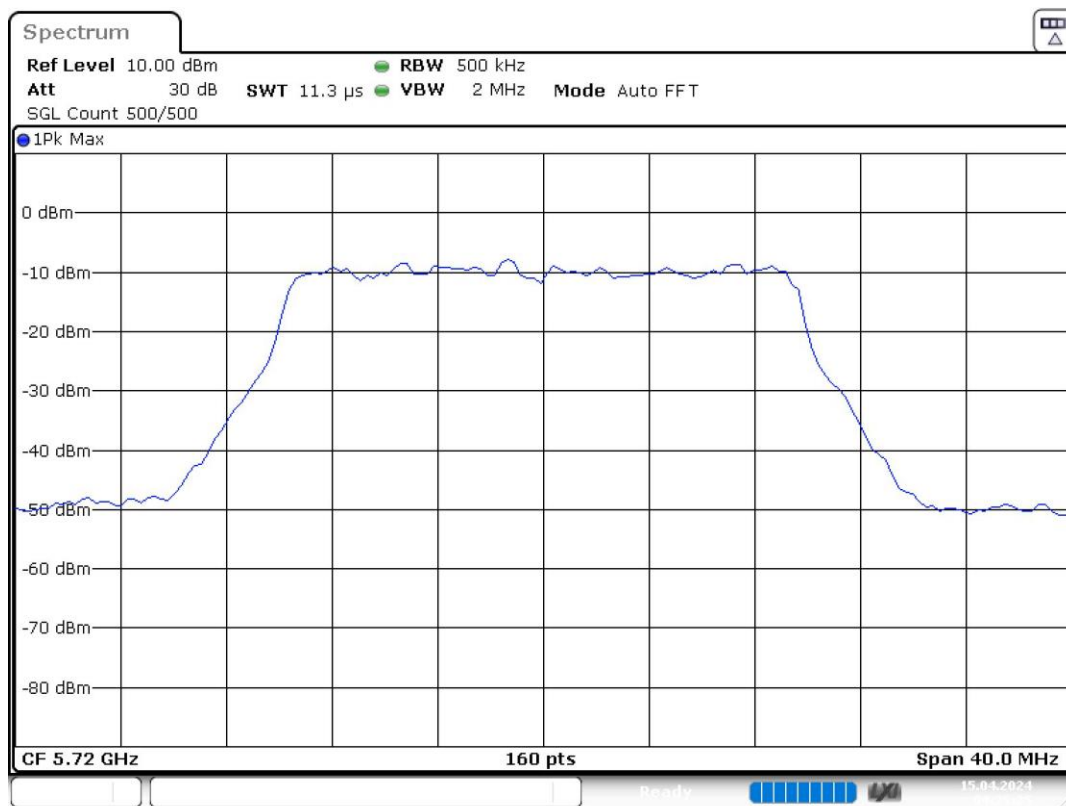


Figure 30: 99 % Bandwidth



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Table 68: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.70000 GHz	5.70000 GHz
Stop Frequency	5.74000 GHz	5.74000 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.11 Emission Bandwidth 26 dB (5510 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 69: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5510.000000	43.050000	---	---	5488.175000	5531.225000	6.1	PASS

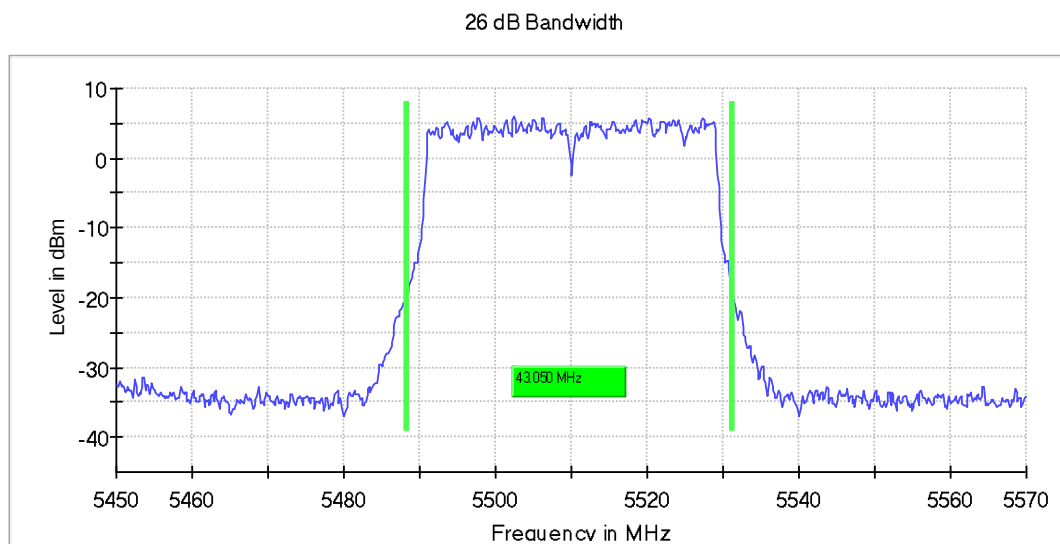
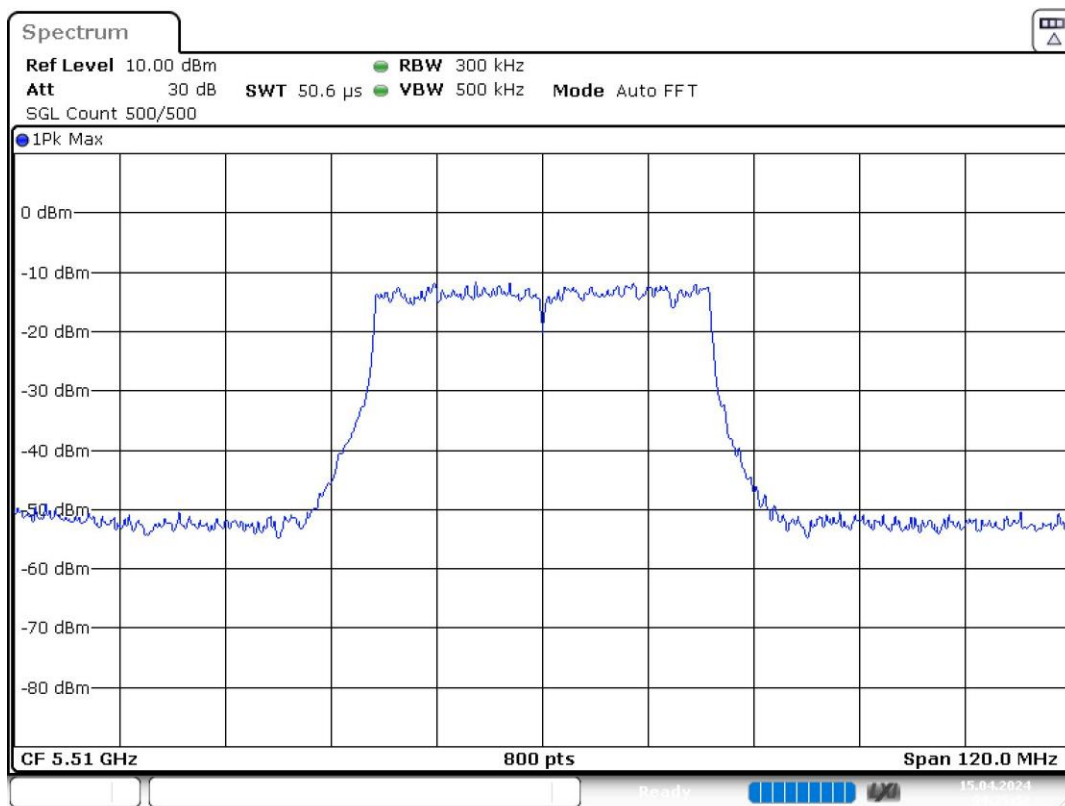


Figure 31: 26 dB Bandwidth



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3.12 Power Spectral Density (5510 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 70: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5510.000000	5527.029703	8.445	11.0	PASS

Table 71: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

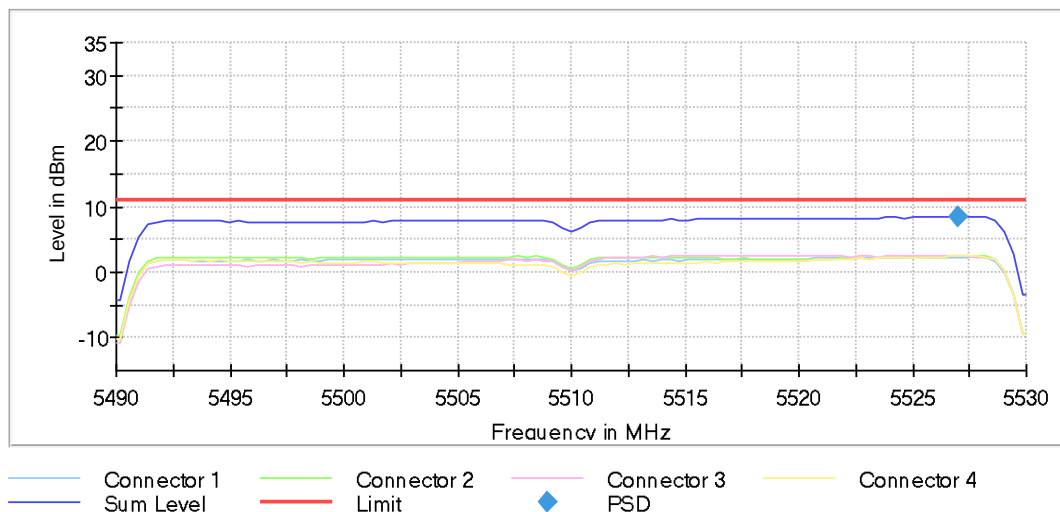


Figure 32: Power Spectral Density

Table 72: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.53000 GHz	5.53000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	AUTO
Preamplifier	off	off

3.13 Occupied Channel Bandwidth 99% (5510 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 73: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5510.000000	38.250000	---	---	5490.875000	5529.125000	PASS

99 % Bandwidth

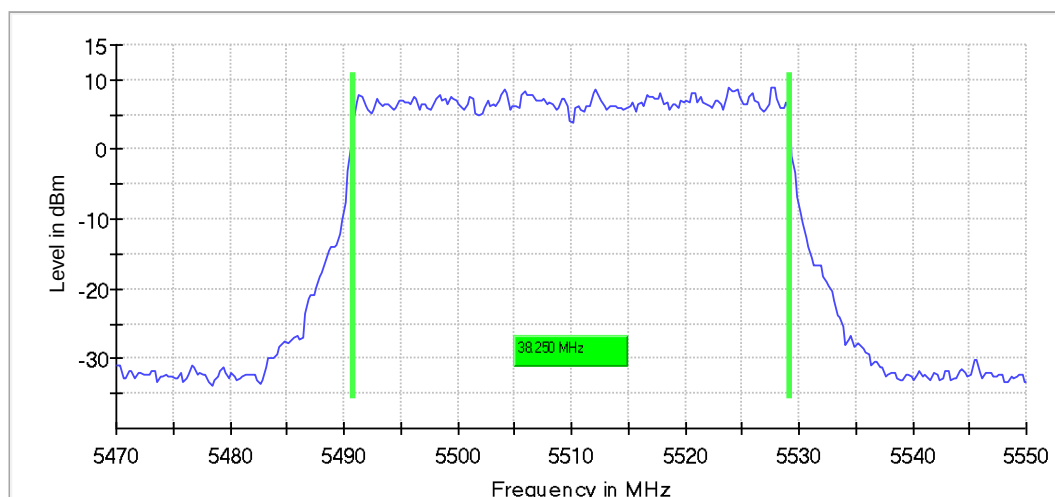
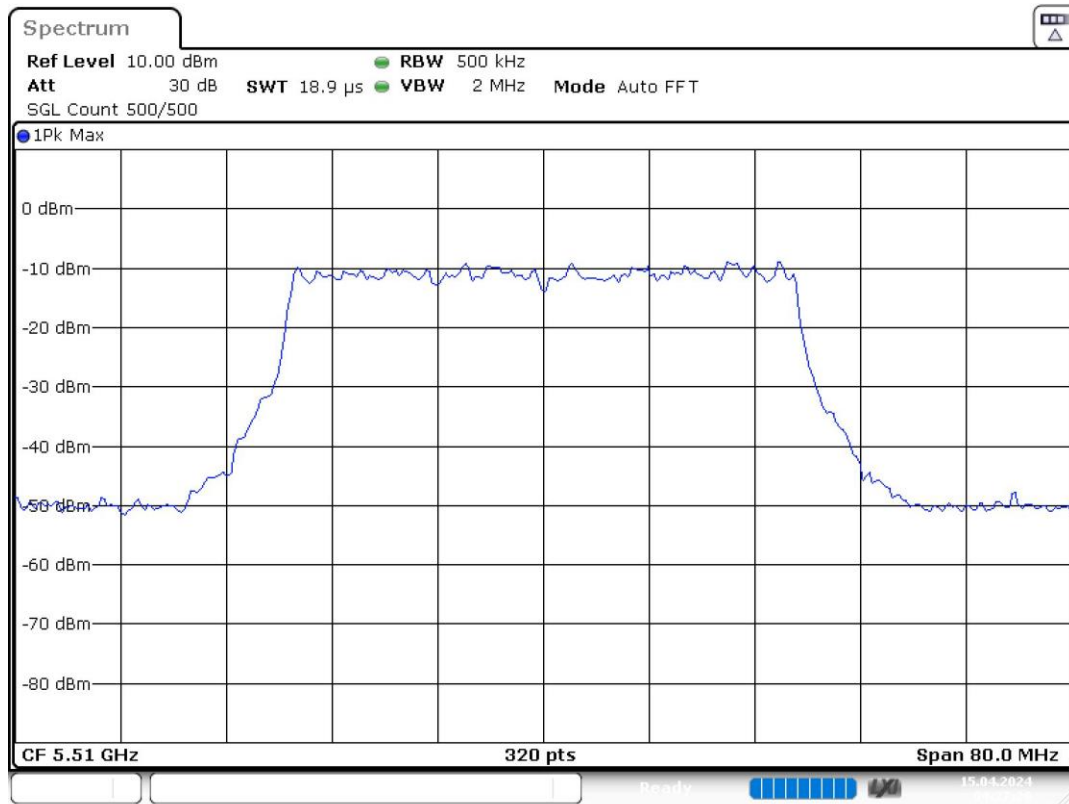


Figure 33: 99 % Bandwidth



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Table 74: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.47000 GHz	5.47000 GHz
Stop Frequency	5.55000 GHz	5.55000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	≥ 400.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	320	~ 320
Sweptime	18.906 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.14 Emission Bandwidth 26 dB (5590 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 75: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5590.000000	42.450000	---	---	5568.325000	5610.775000	6.8	PASS

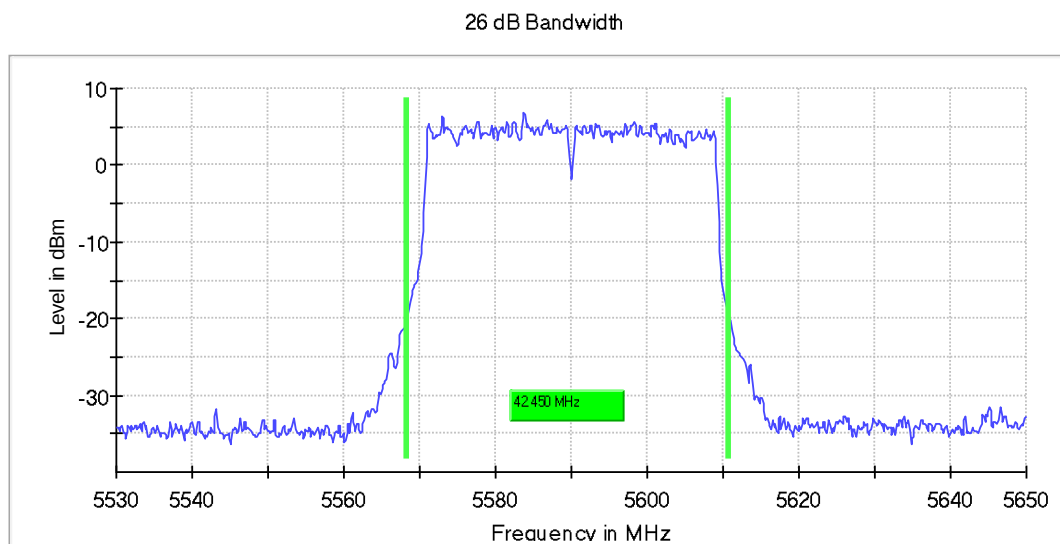
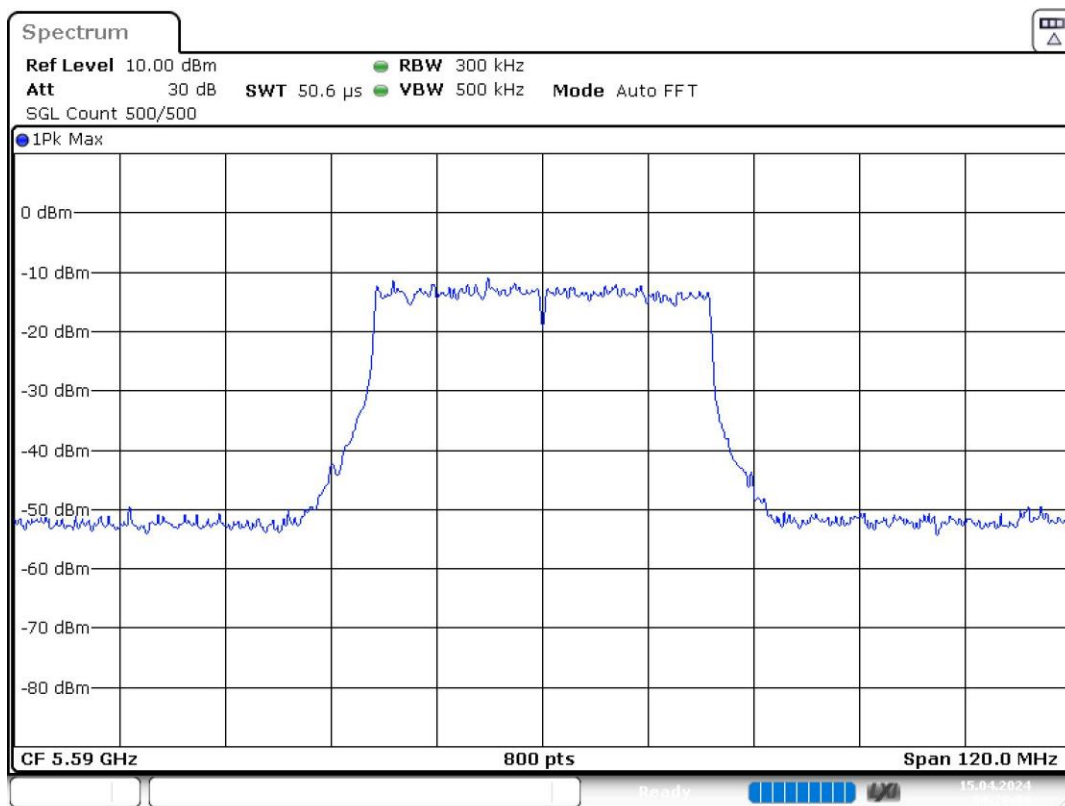


Figure 34: 26 dB Bandwidth



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3.15 Power Spectral Density (5590 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 76: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5590.000000	5585.247525	8.447	11.0	PASS

Table 77: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

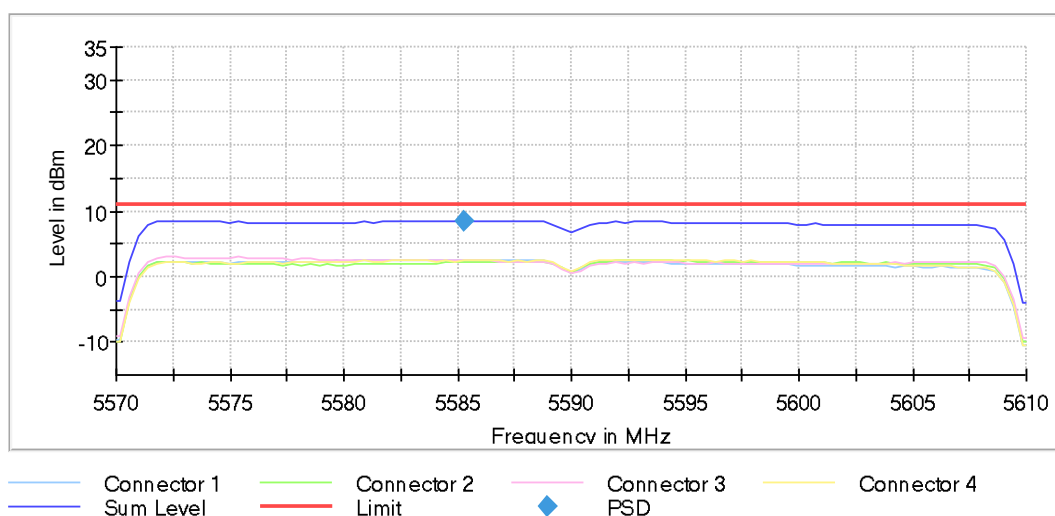


Figure 35: Power Spectral Density

Table 78: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.57000 GHz	5.57000 GHz
Stop Frequency	5.61000 GHz	5.61000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	AUTO
Preamplifier	off	off

3.16 Occupied Channel Bandwidth 99% (5590 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 79: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5590.000000	38.250000	---	---	5570.875000	5609.125000	PASS

99 % Bandwidth

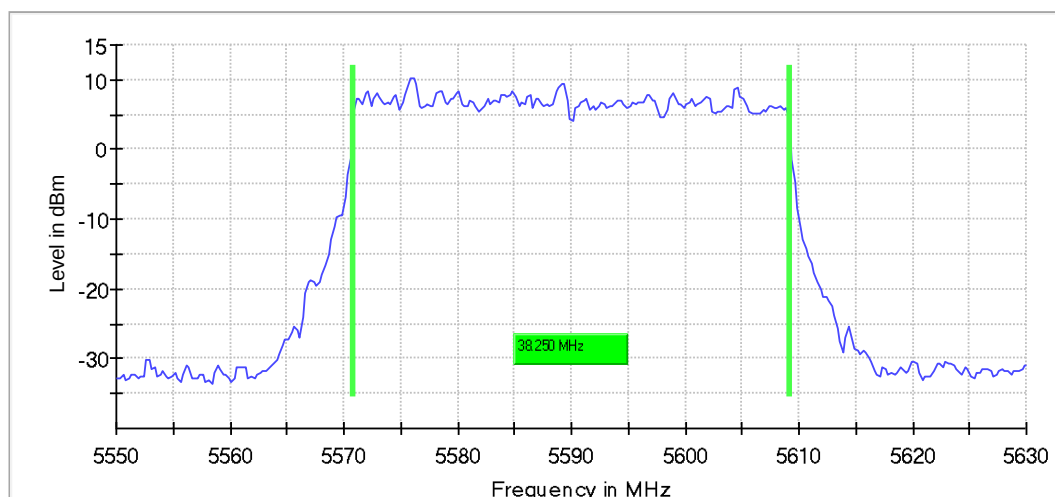
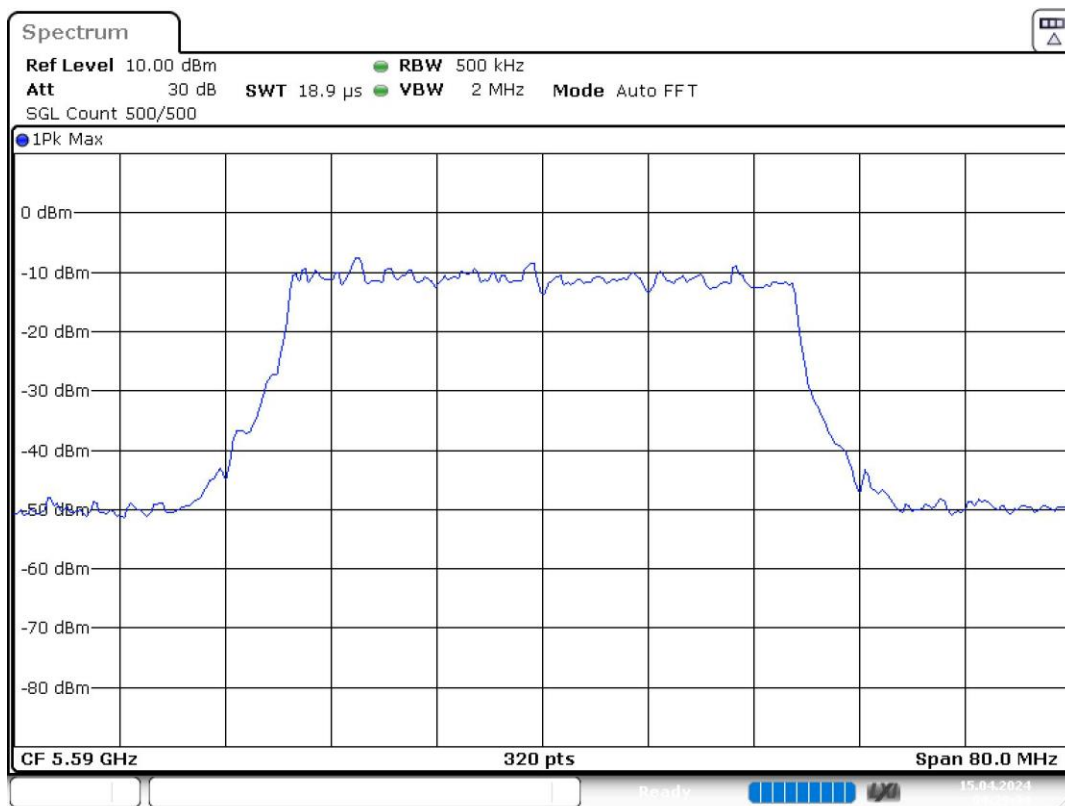


Figure 36: 99 % Bandwidth



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Table 80: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.55000 GHz	5.55000 GHz
Stop Frequency	5.63000 GHz	5.63000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	≥ 400.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	320	~ 320
Sweptime	18.906 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.17 Emission Bandwidth 26 dB (5710 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 81: 26 dB Bandwidth

DUT	Bandwid	Bandwid	Bandwid	Lim	Lim	Band	Band	Ma	Resu
MHz	MHz	MHz	MHz	MH	MH	MHz	MHz	dB	
5710.0000	43.20000	36.67500	6.525000	---	---	5688.3250	5731.5250	5.9	PAS

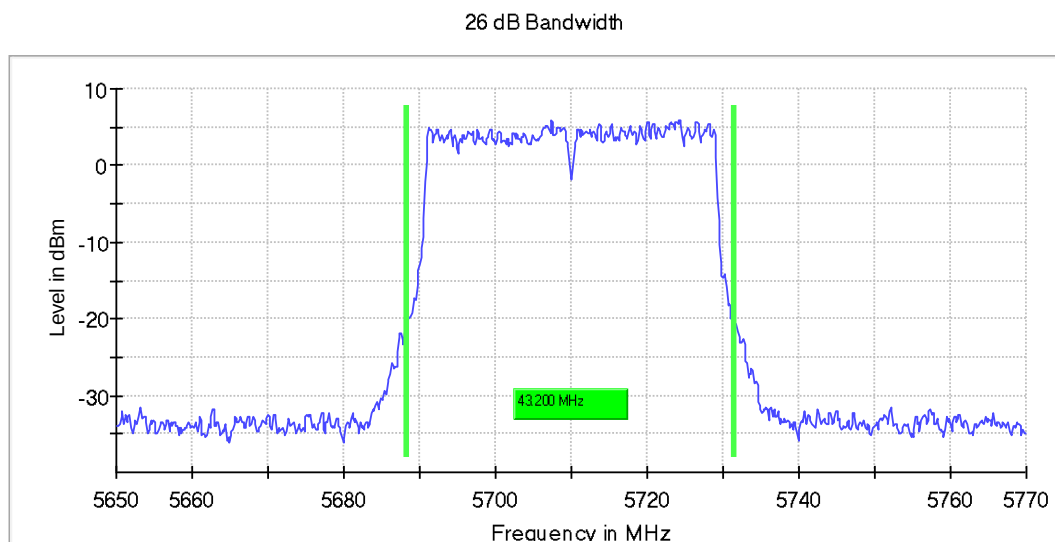
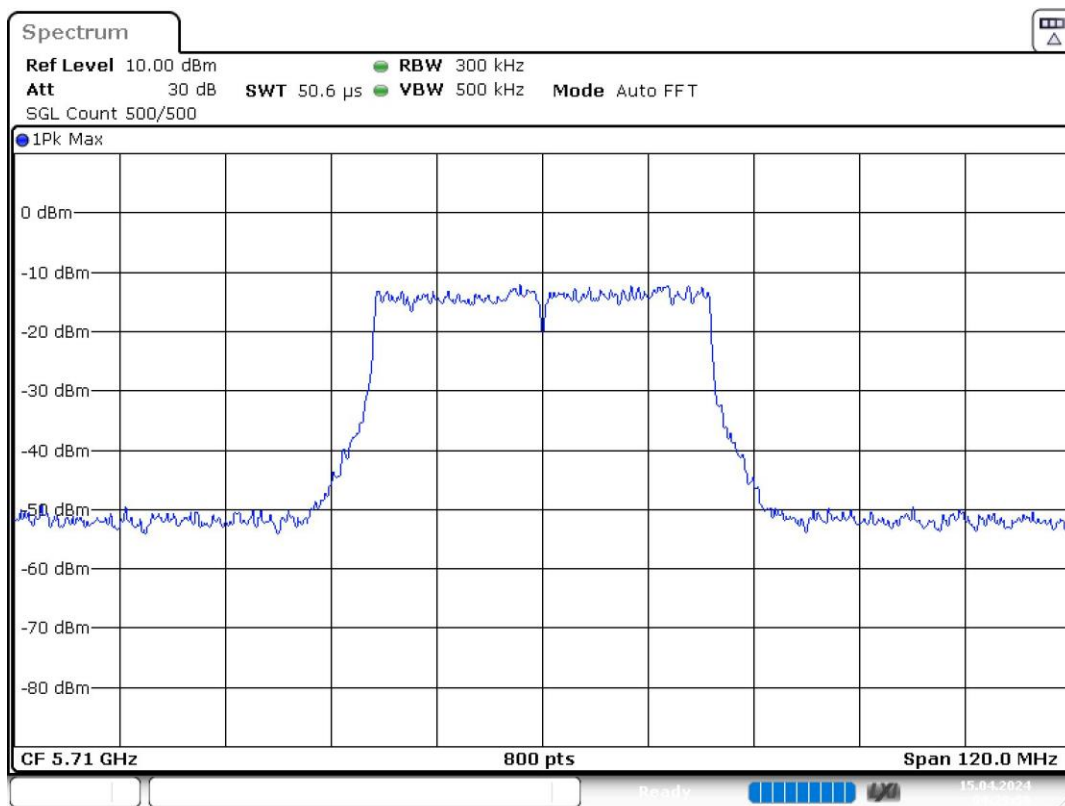


Figure 37: 26 dB Bandwidth



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3.18 Power Spectral Density (5710 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 82: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5710.000000	5727.029703	8.328	11.0	PASS

Table 83: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

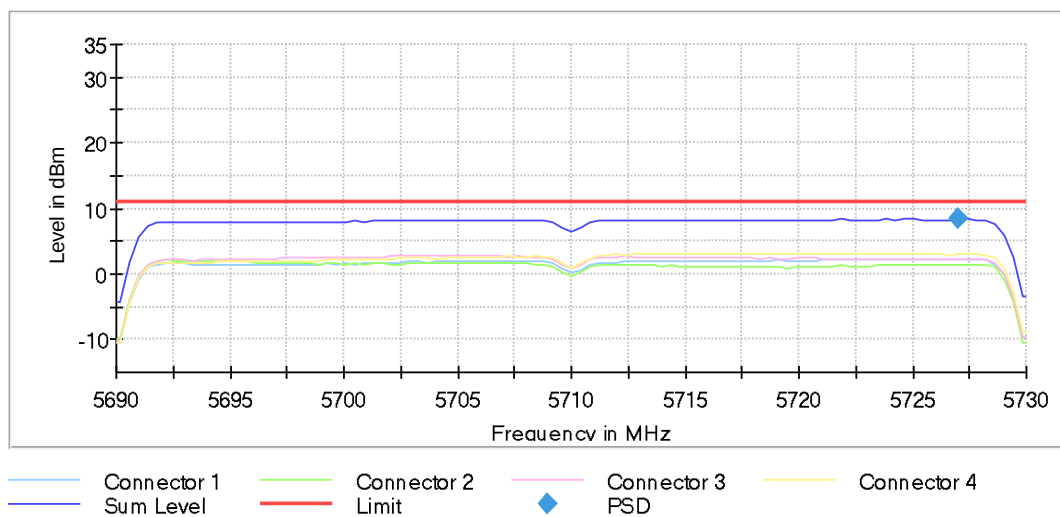


Figure 38: Power Spectral Density

Table 84: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69000 GHz	5.69000 GHz
Stop Frequency	5.73000 GHz	5.73000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	AUTO
Preamplifier	off	off

3.19 Occupied Channel Bandwidth 99% (5710 MHz, 40 MHz, 24.000 dBm)

Customized settings.

Table 85: 99 % Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	
5710.000000	38.250000	34.125000	4.125000	---	---	5690.875000	5729.125000	PASS

99 % Bandwidth

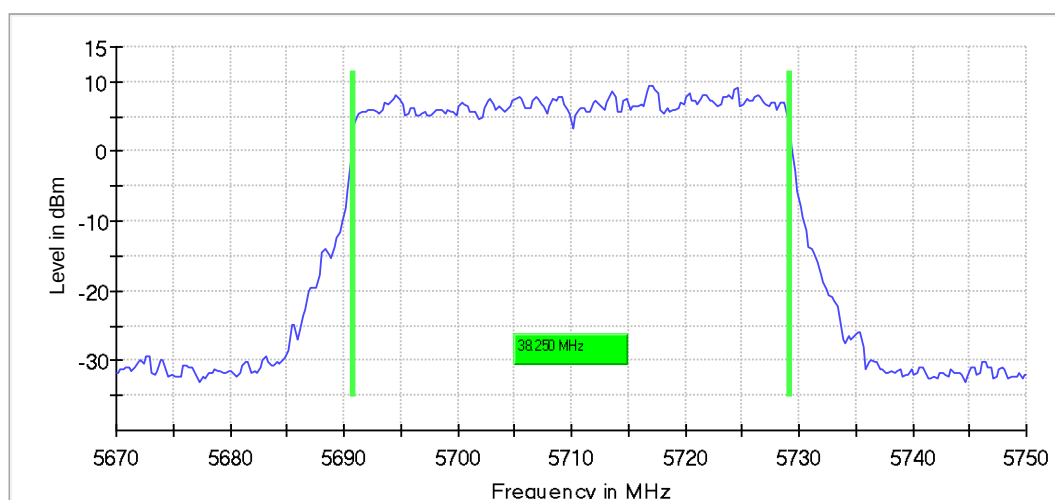
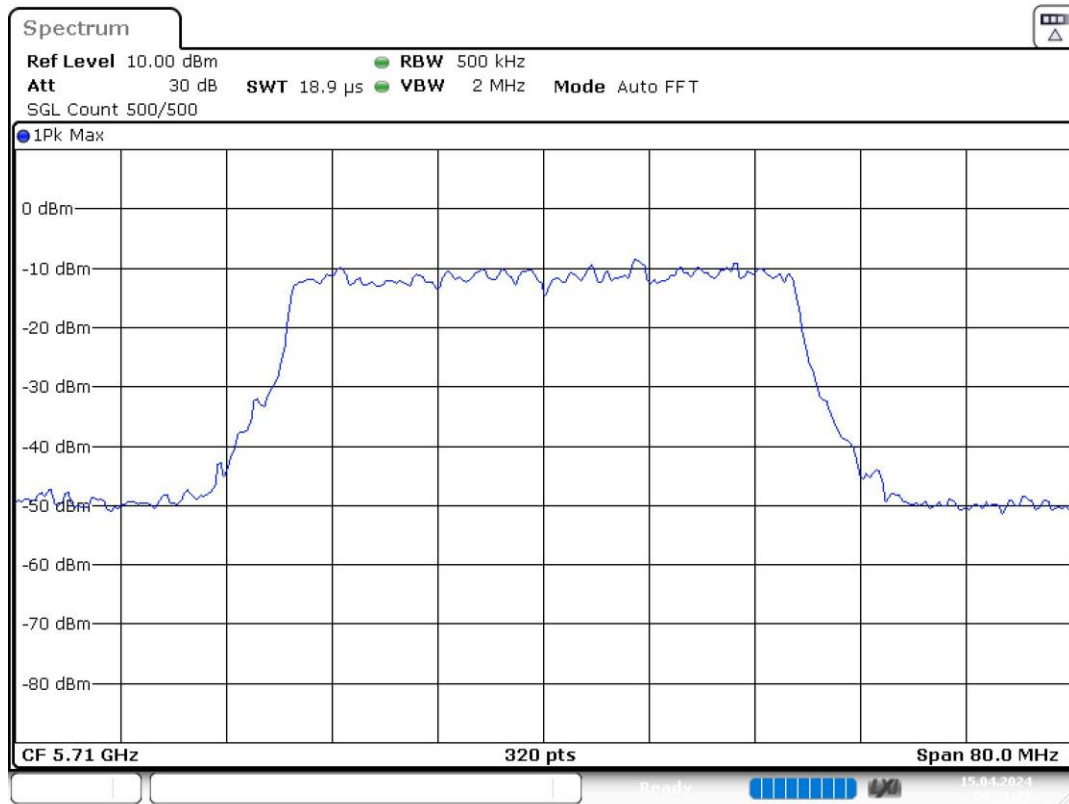


Figure 39: 99 % Bandwidth



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Table 86: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.67000 GHz	5.67000 GHz
Stop Frequency	5.75000 GHz	5.75000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	≥ 400.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	320	~ 320
Sweptime	18.906 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.20 Emission Bandwidth 26 dB (5530 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 87: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5530.000000	92.000000	---	---	5484.750000	5576.750000	9.1	PASS

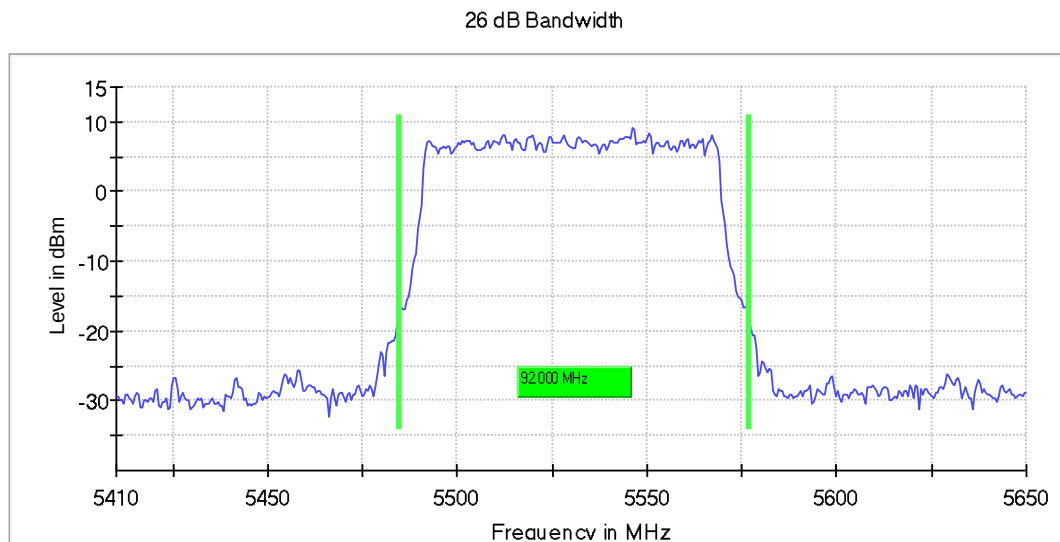
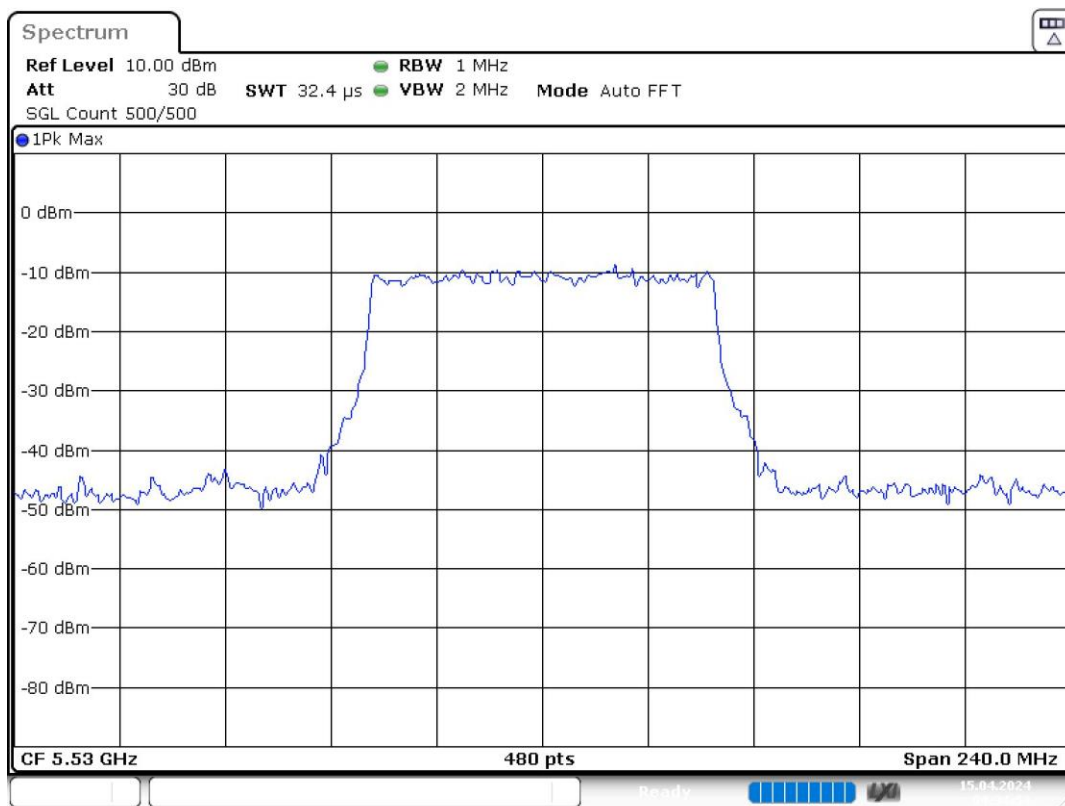


Figure 40: 26 dB Bandwidth



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3.21 Power Spectral Density (5530 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 88: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5530.000000	5565.250000	5.474	11.0	PASS

Table 89: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

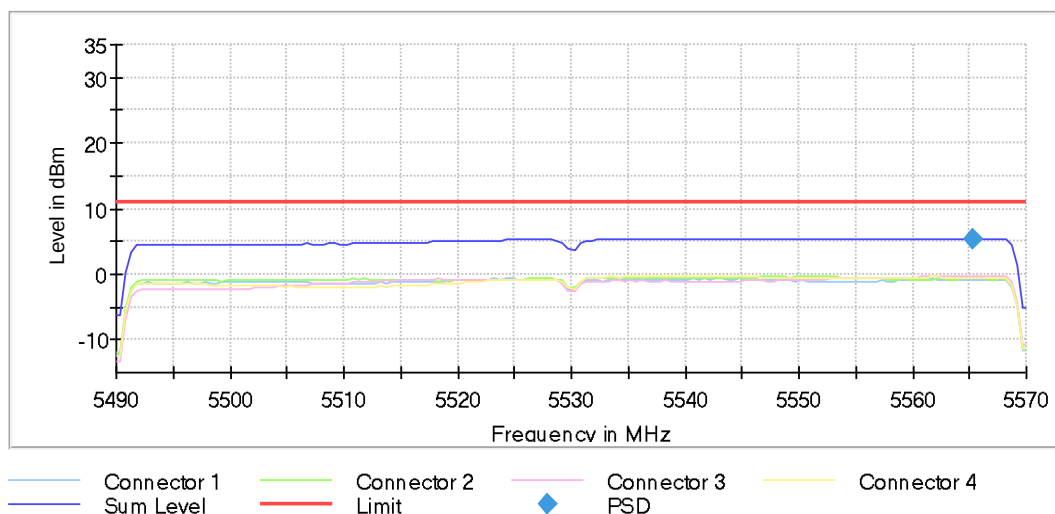


Figure 41: Power Spectral Density

Table 90: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.57000 GHz	5.57000 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	3.200 ms	3.200 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	AUTO
Preamplifier	off	off

3.22 Occupied Channel Bandwidth 99% (5530 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 91: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5530.000000	78.500000	---	---	5490.750000	5569.250000	PASS

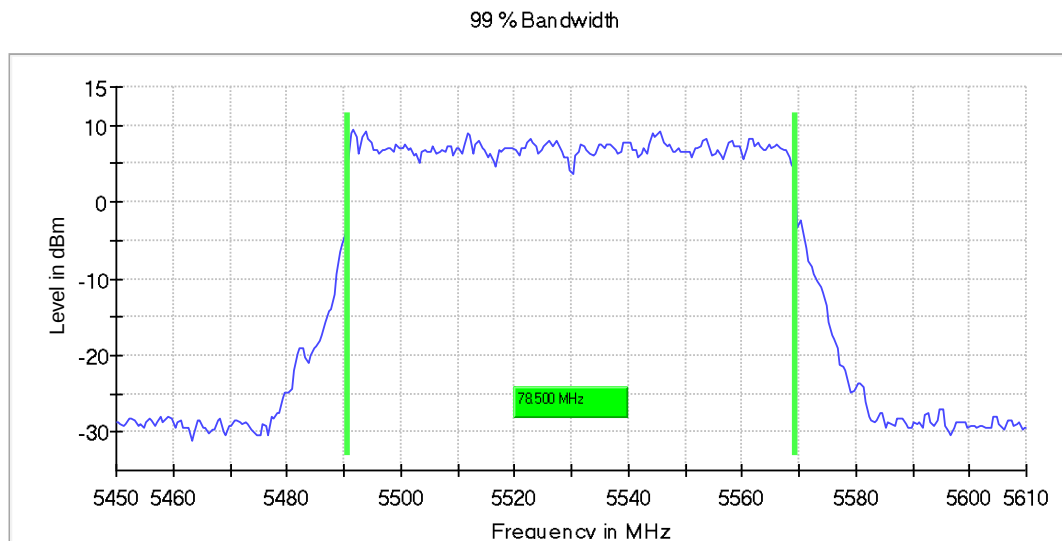
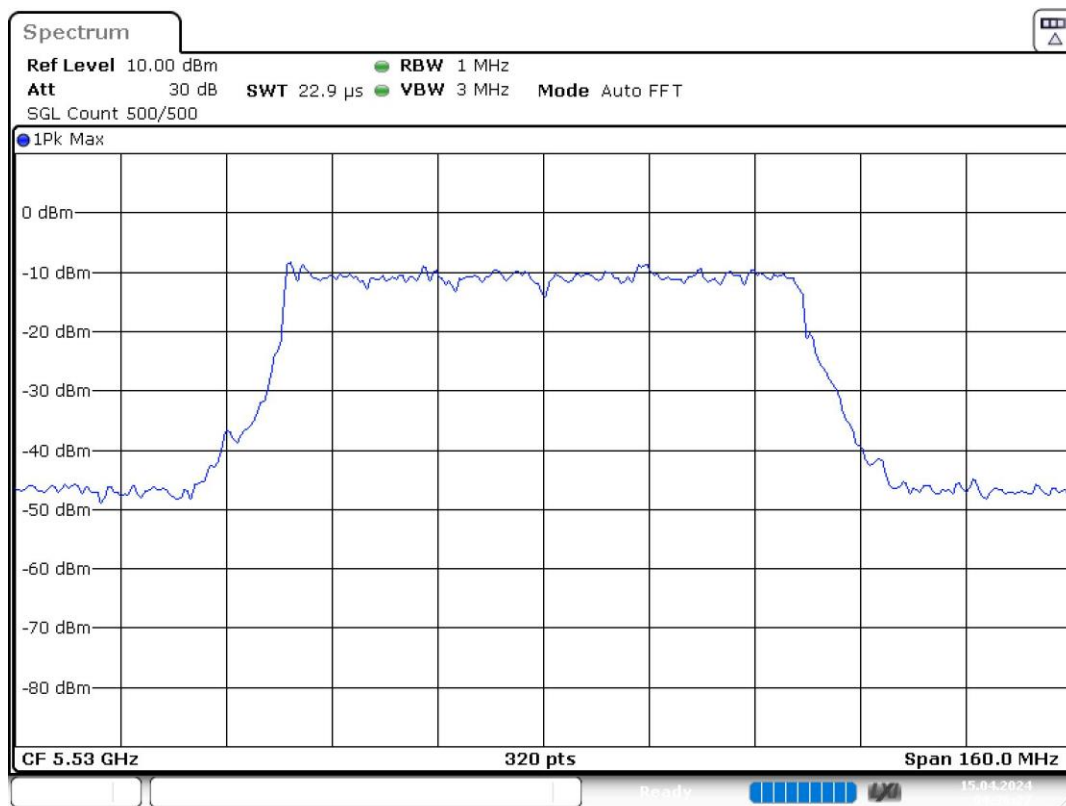


Figure 42: 99 % Bandwidth



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Table 92: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.45000 GHz	5.45000 GHz
Stop Frequency	5.61000 GHz	5.61000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	≥ 800.000 kHz
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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

3.23 Emission Bandwidth 26 dB (5610 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 93: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5610.000000	87.500000	---	---	5566.750000	5654.250000	9.3	PASS

26 dB Bandwidth

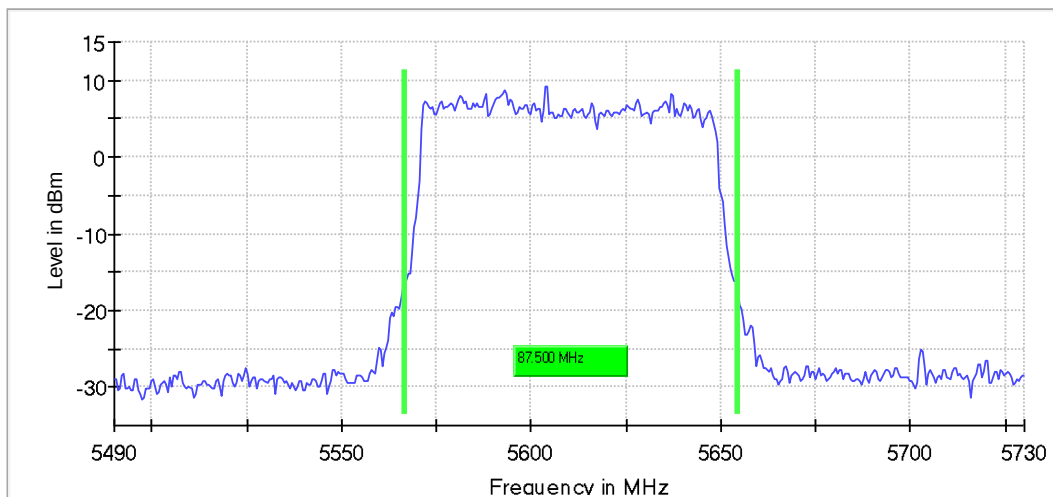
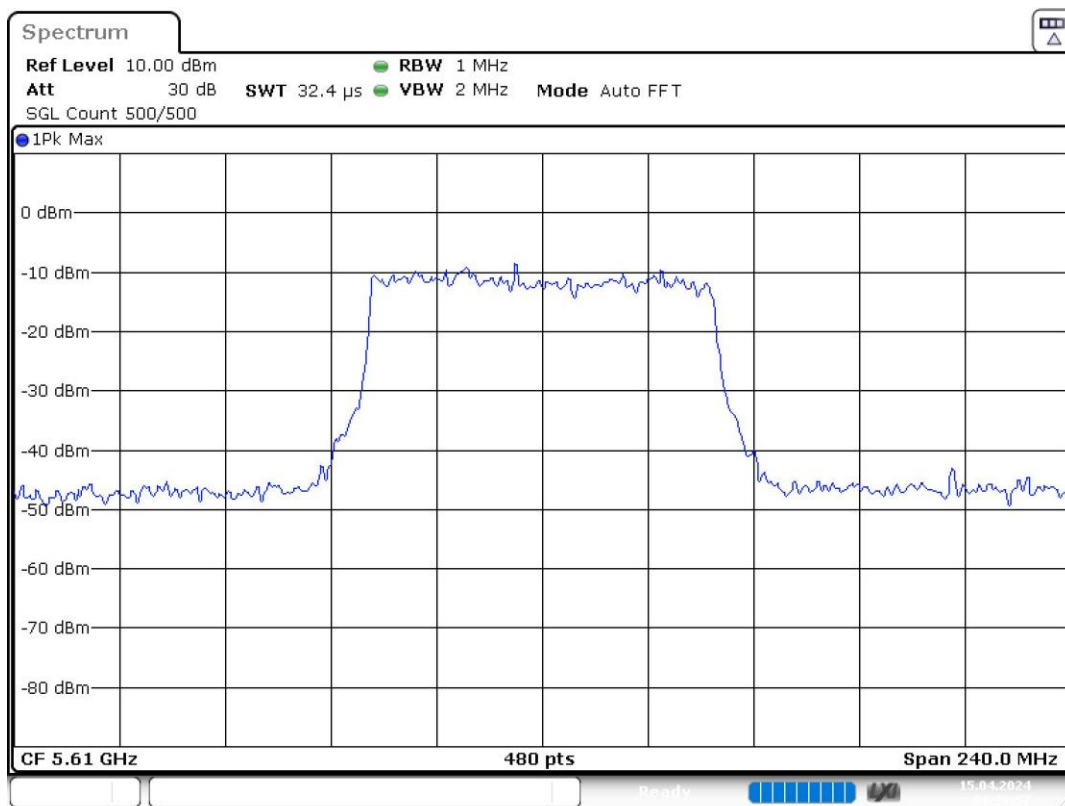


Figure 43: 26 dB Bandwidth



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3.24 Power Spectral Density (5610 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 94: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5610.000000	5583.750000	5.198	11.0	PASS

Table 95: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

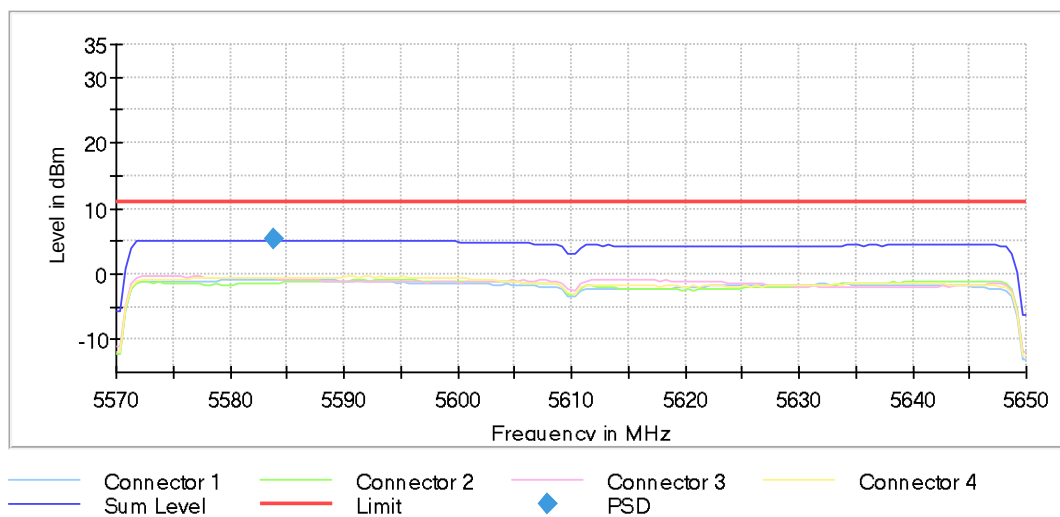


Figure 44: Power Spectral Density

Table 96: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.57000 GHz	5.57000 GHz
Stop Frequency	5.65000 GHz	5.65000 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	3.200 ms	3.200 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	AUTO
Preamplifier	off	off

3.25 Occupied Channel Bandwidth 99% (5610 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 97: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5610.000000	77.500000	---	---	5571.250000	5648.750000	PASS

99 % Bandwidth

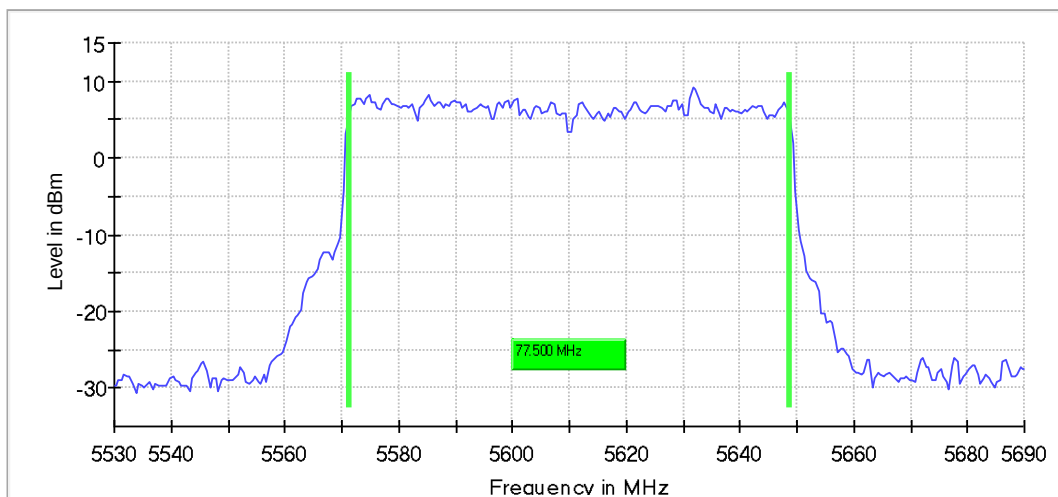
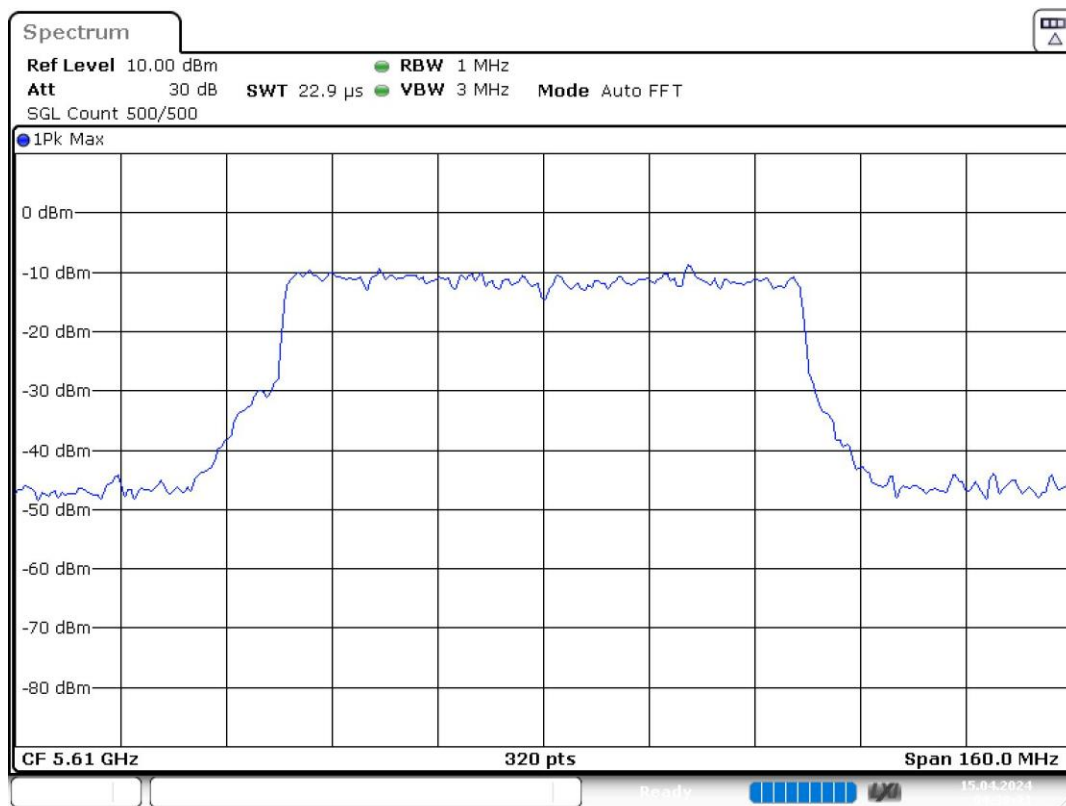


Figure 45: 99 % Bandwidth



Date: 15.APR.2024 04:38:31

Table 98: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.53000 GHz	5.53000 GHz
Stop Frequency	5.69000 GHz	5.69000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	≥ 800.000 kHz
VBW	3.000 MHz	≥ 3.000 MHz
SweepPoints	320	~ 320
Sweptime	22.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

3.26 Emission Bandwidth 26 dB (5690 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 99: 26 dB Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5690.000000	89.000000	78.250000	10.750000	---	---	5646.750000	5735.750000	8.0	PASS

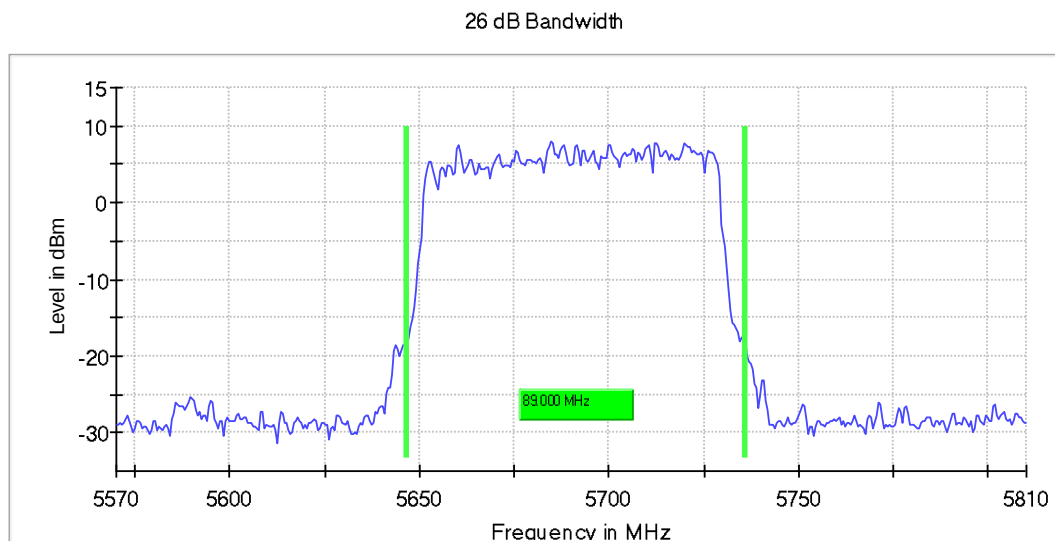
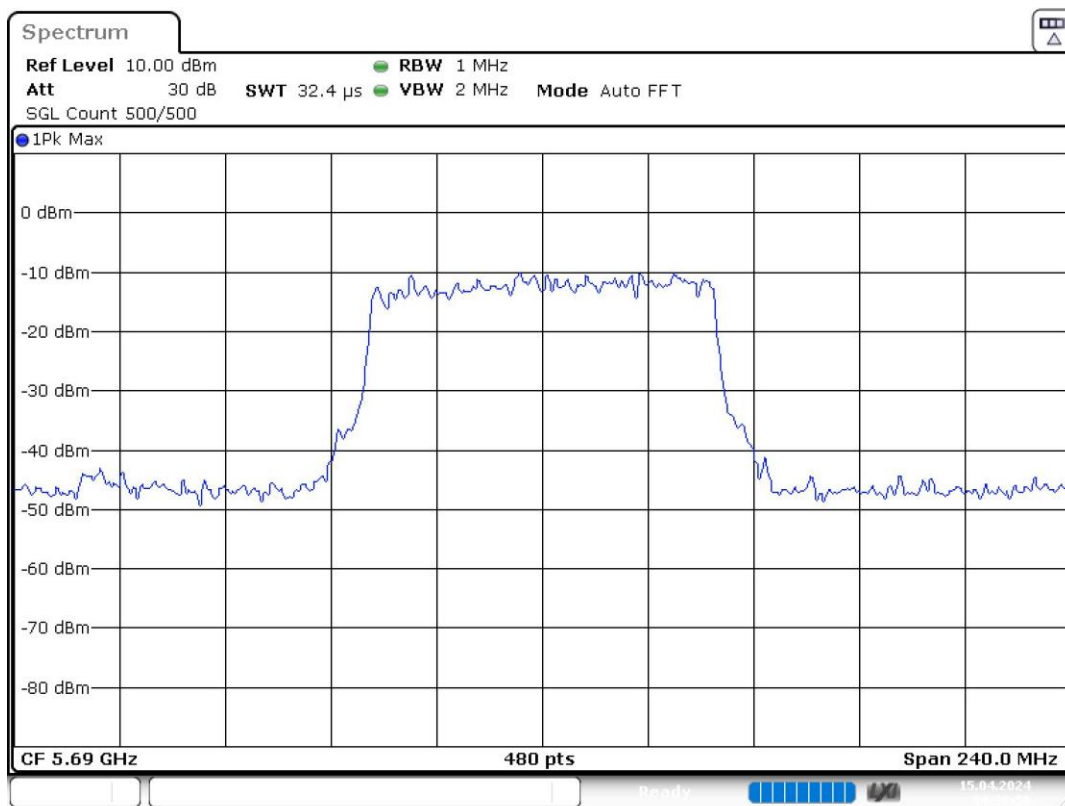


Figure 46: 26 dB Bandwidth



Date: 15.APR.2024 04:38:58

3.27 Power Spectral Density (5690 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 100: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5690.000000	5722.750000	5.256	11.0	PASS

Table 101: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

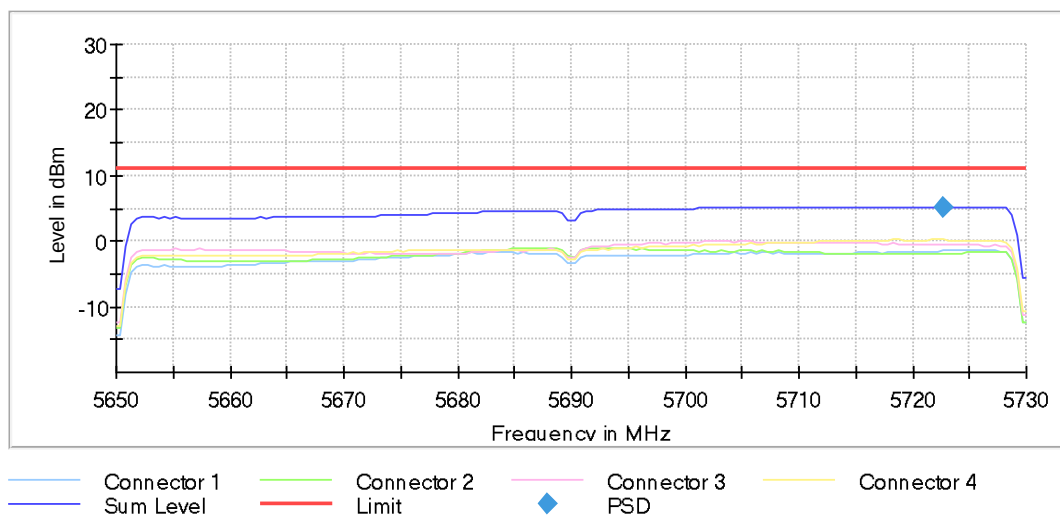


Figure 47: Power Spectral Density

Table 102: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.65000 GHz	5.65000 GHz
Stop Frequency	5.73000 GHz	5.73000 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	3.200 ms	3.200 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	AUTO
Preamplifier	off	off

3.28 Occupied Channel Bandwidth 99% (5690 MHz, 80 MHz, 24.000 dBm)

Customized settings.

Table 103: 99 % Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	
5690.000000	77.500000	73.750000	3.750000	---	---	5651.250000	5728.750000	PASS

99 % Bandwidth

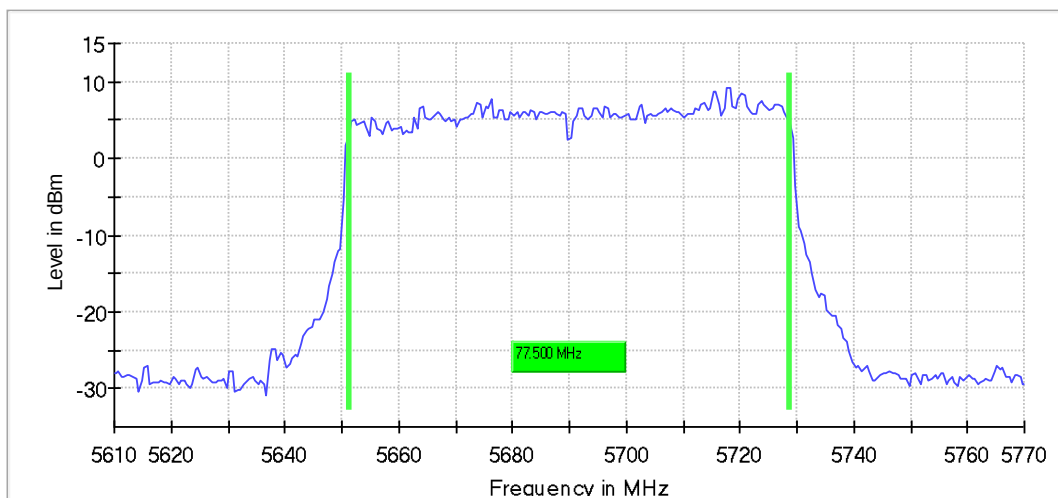
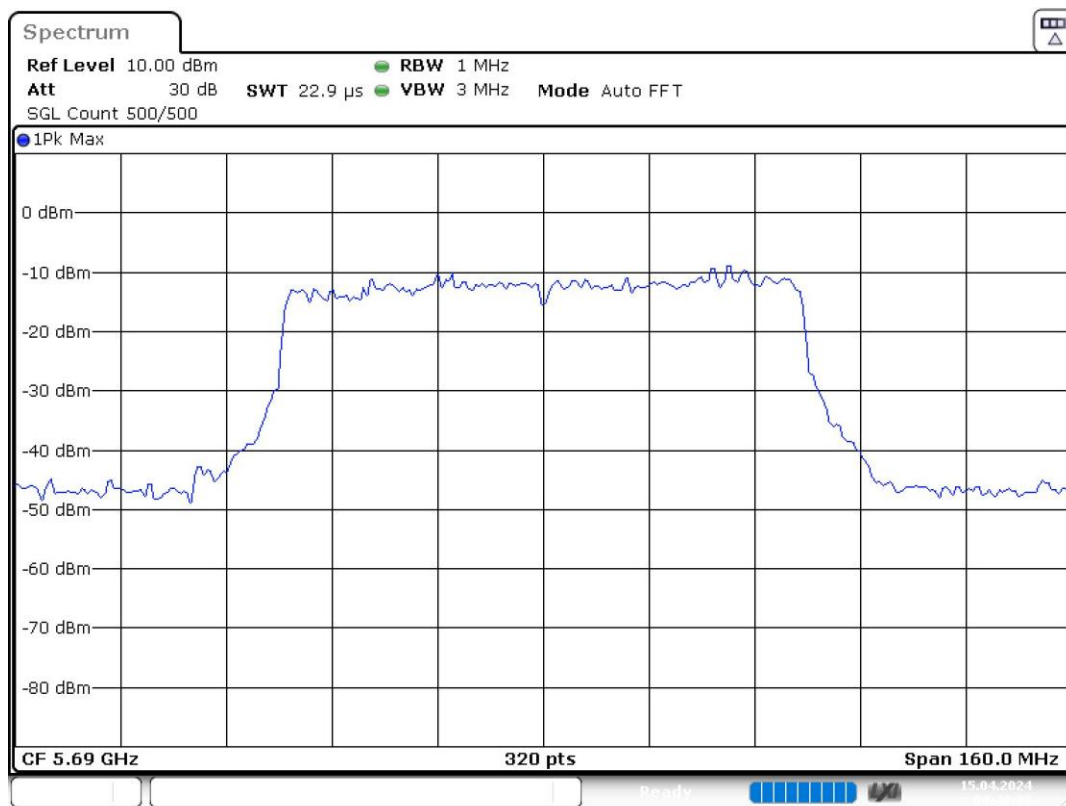


Figure 48: 99 % Bandwidth



Date: 15.APR.2024 04:40:34

Table 104: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.61000 GHz	5.61000 GHz
Stop Frequency	5.77000 GHz	5.77000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	≥ 800.000 kHz
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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

3.29 Emission Bandwidth 26 dB (5570 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 105: 26 dB Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5570.000000	174.000000	174.000000	0.000000	---	---	5483.500000	5657.500000	9.9	PASS

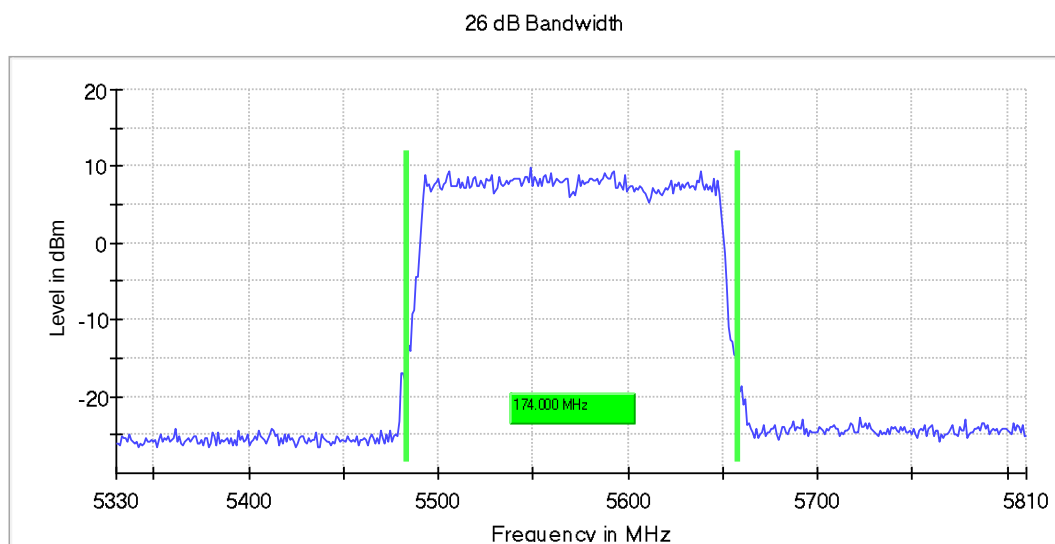
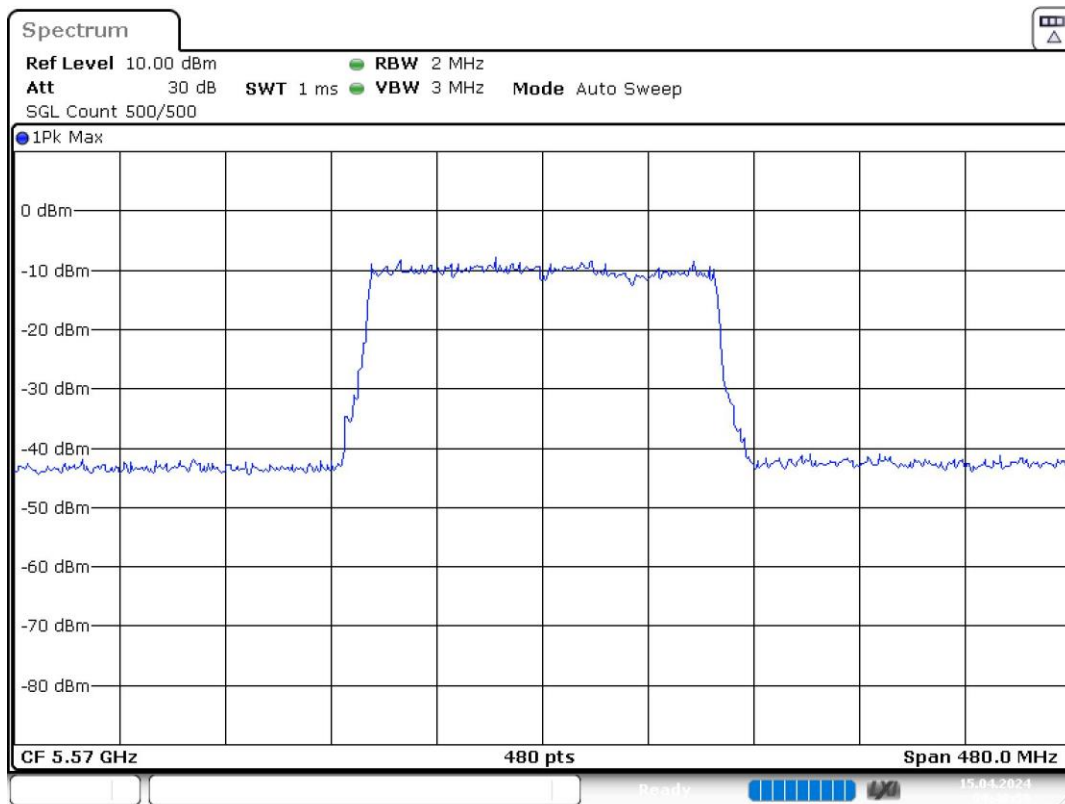


Figure 49: 26 dB Bandwidth



Date: 15.APR.2024 04:40:50

3.30 Power Spectral Density (5570 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 106: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5570.000000	5565.250000	2.591	11.0	PASS

Table 107: Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

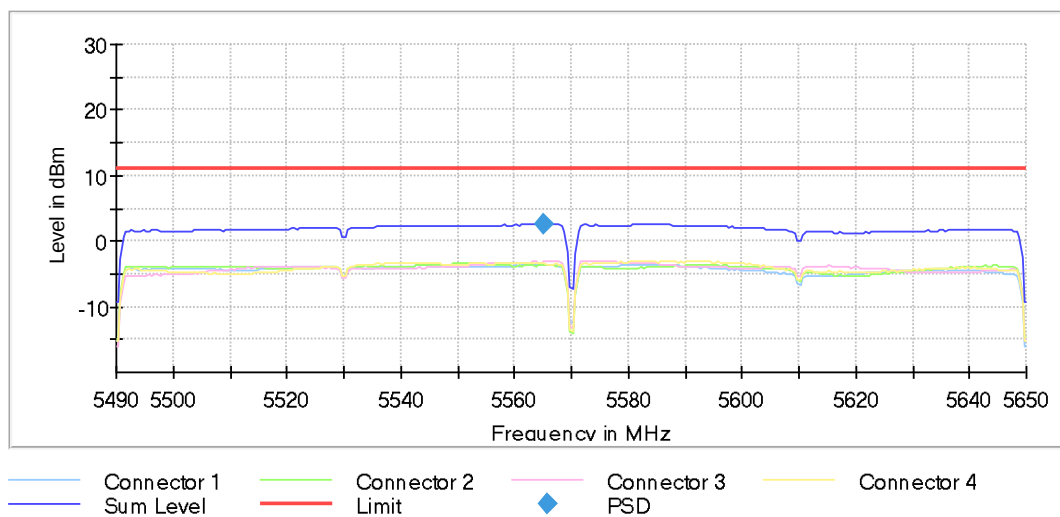


Figure 50: Power Spectral Density

Table 108: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.65000 GHz	5.65000 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	6.400 ms	6.400 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	AUTO
Preamplifier	off	off

3.31 Occupied Channel Bandwidth 99% (5570 MHz, 160 MHz, 24.000 dBm)

Customized settings.

Table 109: 99 % Bandwidth

DUT Frequency	Bandwidth	Bandwidth U-NII 2C	Bandwidth U-NII 3	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	
5570.000000	157.000000	157.000000	0.000000	---	---	5491.500000	5648.500000	PASS

99 % Bandwidth

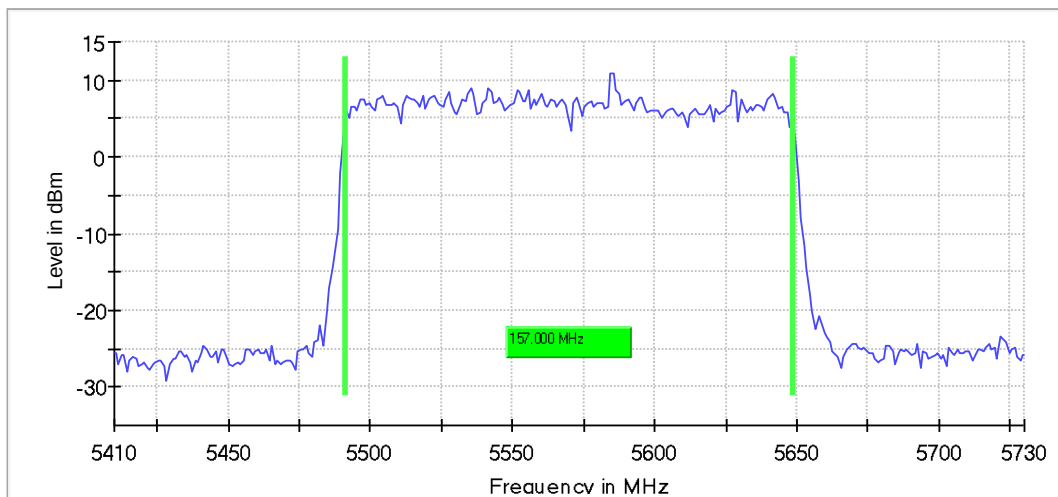
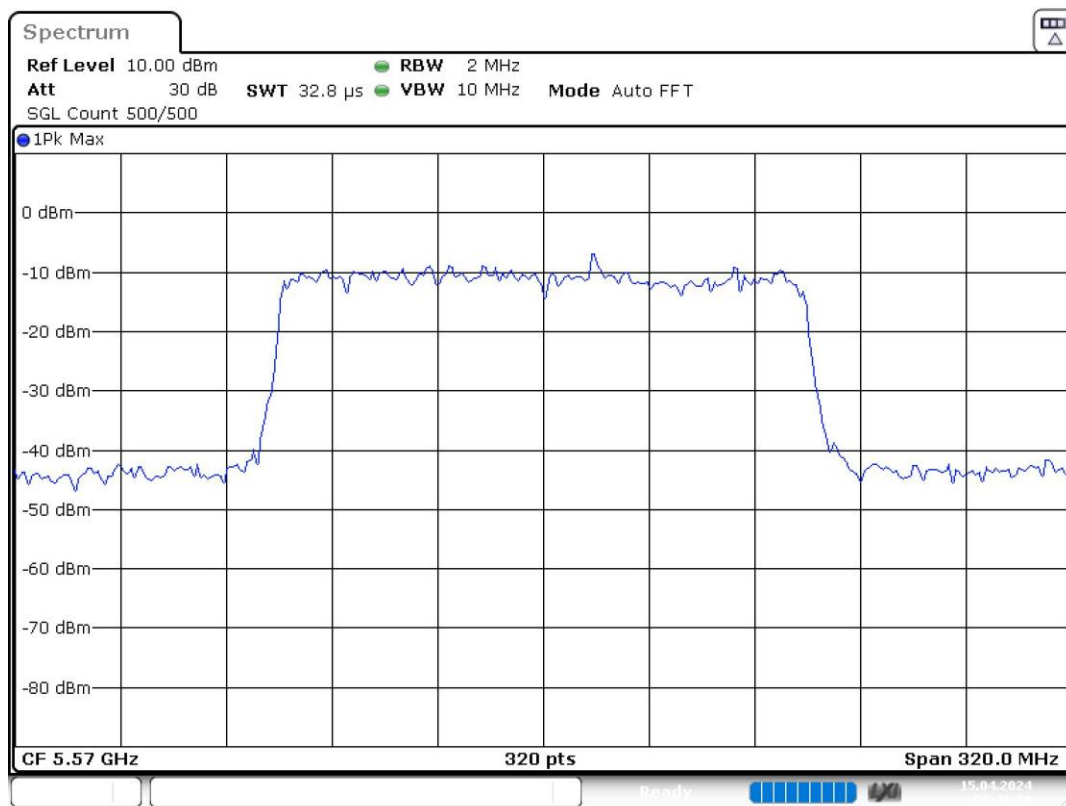


Figure 51: 99 % Bandwidth



Date: 15.APR.2024 04:42:50

Table 110: Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.41000 GHz	5.41000 GHz
Stop Frequency	5.73000 GHz	5.73000 GHz
Span	320.000 MHz	320.000 MHz
RBW	2.000 MHz	≥ 1.600 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	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

-- End of Report --