



427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-E7CP
ISED ID	6545A-E7CP
Equipment Under Test	E7-Campus
Test Report Serial Number	TR9549_01
Date of Test	28 May 2024
Report Issue Date	25 November 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-2 Band

1.1 Summary 2a Band

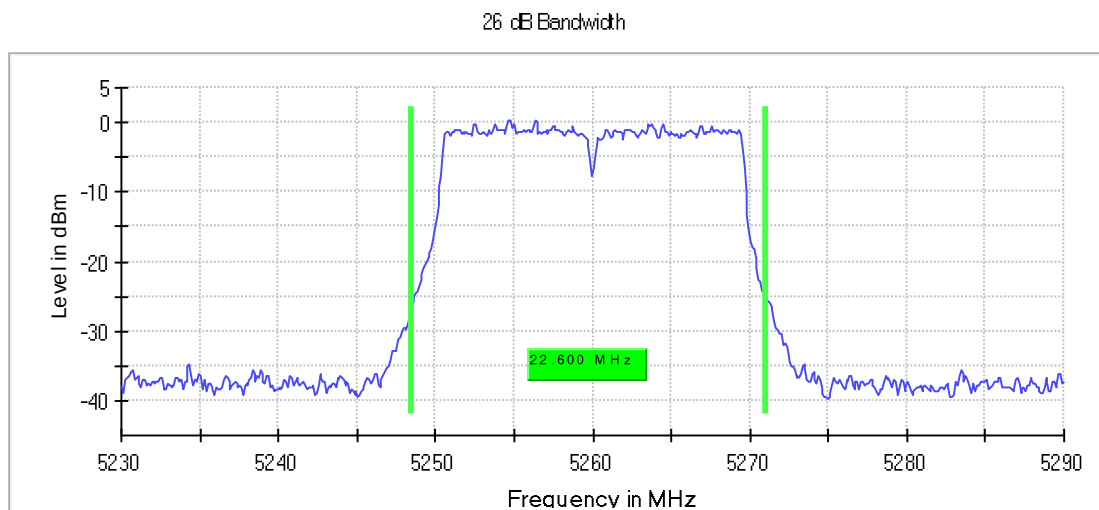
Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5260.000	24.0	20.000000	PASS
RF output power	5260.000	24.0	20.000000	PASS
Power Spectral Density	5260.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5260.000	24.0	20.000000	PASS
Emission Bandwidth 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

Emission Bandwidth 26 dB (5260 MHz; 24.000 dBm; 20 MHz)

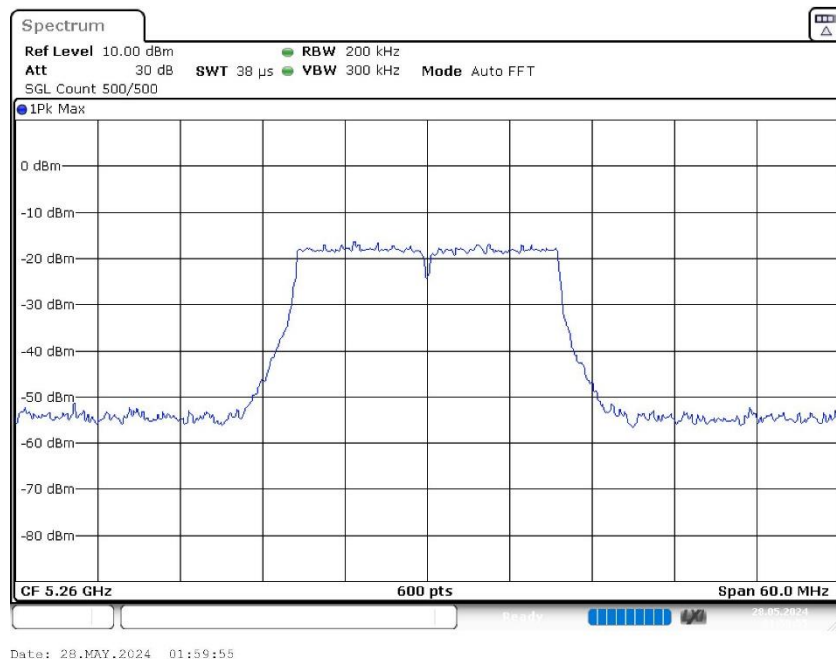
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	22.600000	---	---	5248.450000	5271.050000

DUT Frequency (MHz)	Max Level (dBm)	Result
5260.000000	0.3	PASS



Bandwidth



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
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
Preamp	off	off

RF output power (5260 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	17.7	24.0	17.7	99.726	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

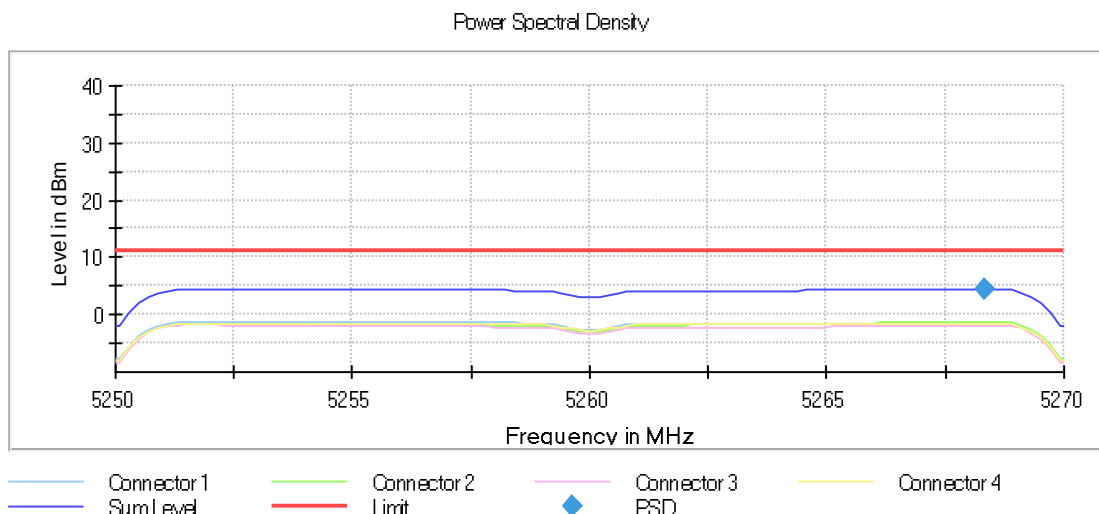
Power Spectral Density (5260 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5260.000000	5268.316832	4.539	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



Measurement

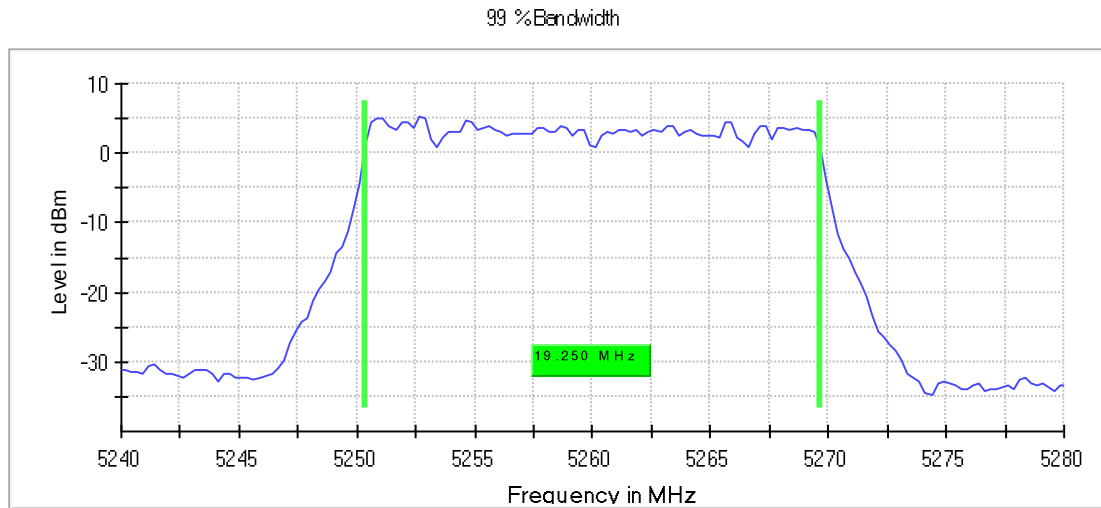
Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.27000 GHz	5.27000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

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

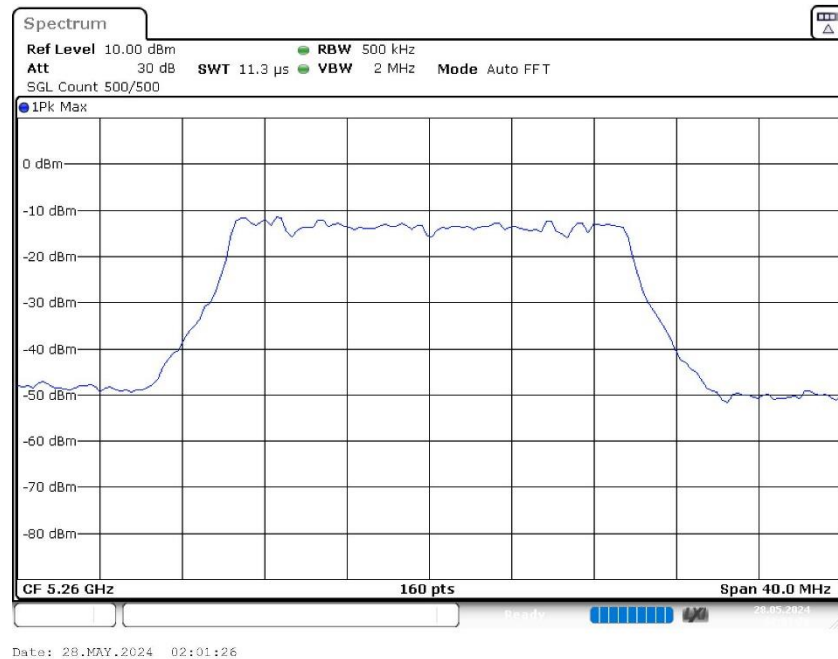
99 % Bandwidth

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

DUT Frequency (MHz)	Result
5260.000000	PASS



Bandwidth



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

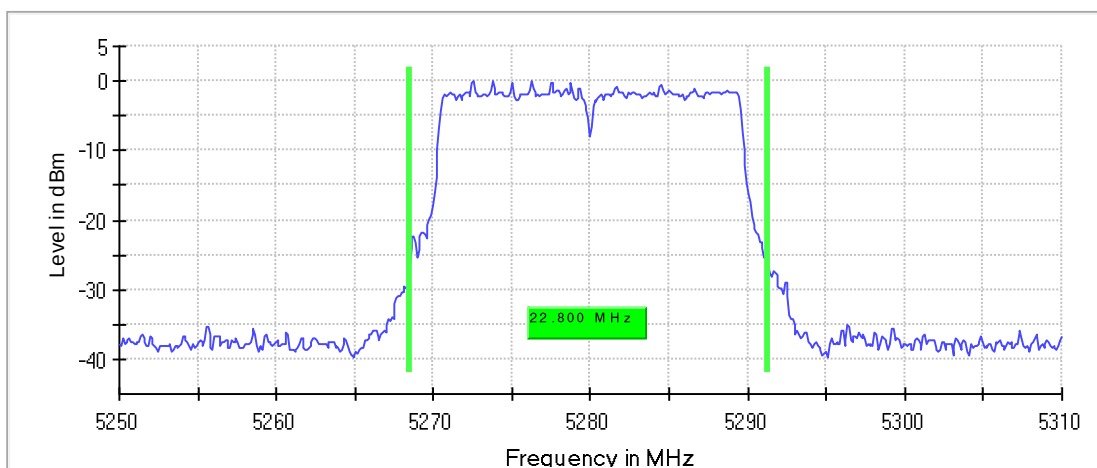
Emission Bandwidth 26 dB (5280 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

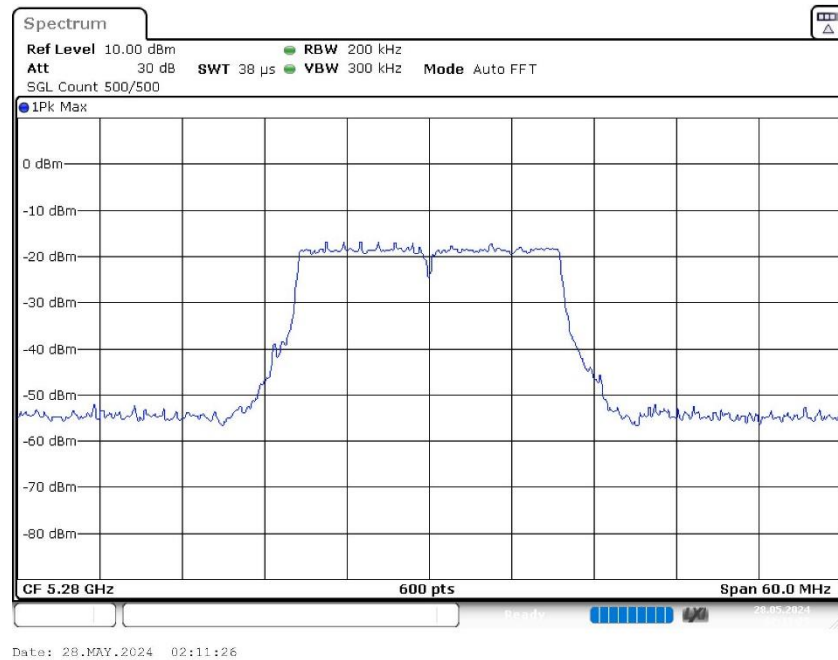
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5280.000000	22.800000	---	---	5268.450000	5291.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5280.000000	-0.1	PASS

26 dB Bandwidth



Bandwidth



Power Spectral Density (5280 MHz; 24.000 dBm; 20 MHz)

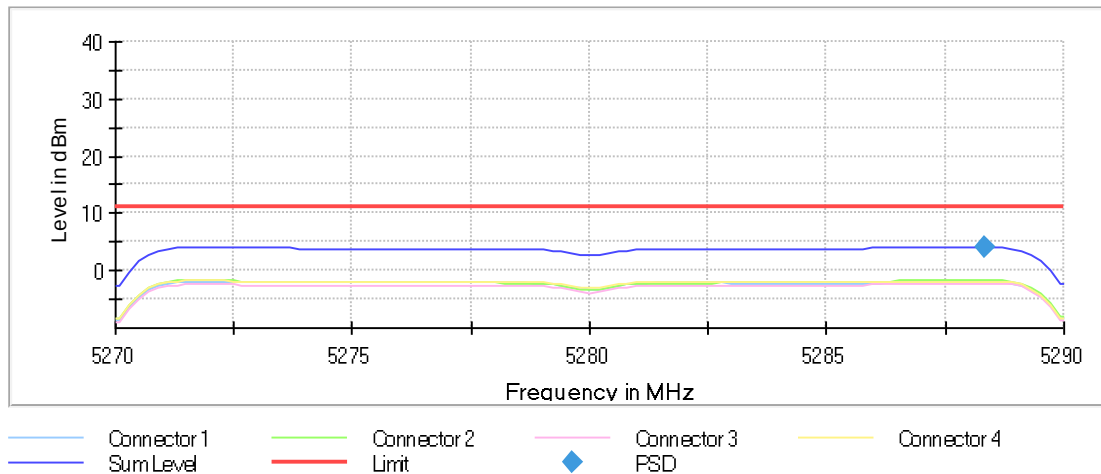
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5280.000000	5288.316832	4.153	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

Power Spectral Density

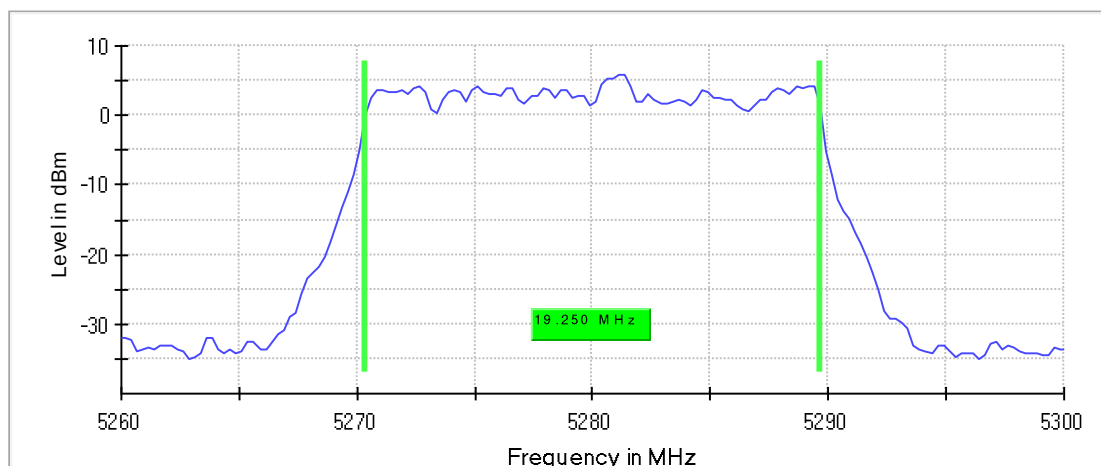


Occupied Channel Bandwidth 99% (5280 MHz; 24.000 dBm; 20 MHz) 99 % Bandwidth

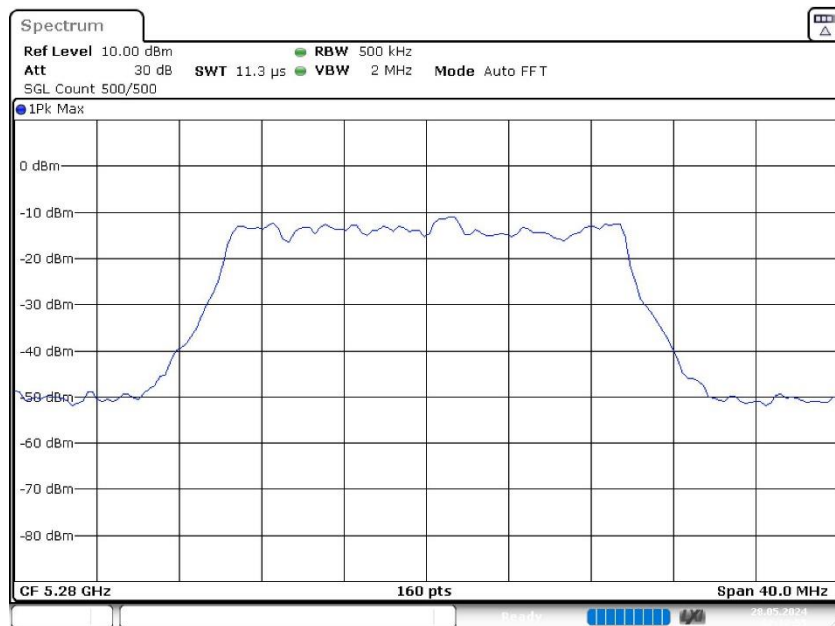
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5280.000000	19.250000	---	---	5270.375000	5289.625000

DUT Frequency (MHz)	Result
5280.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.MAY.2024 02:12:56

Measurement

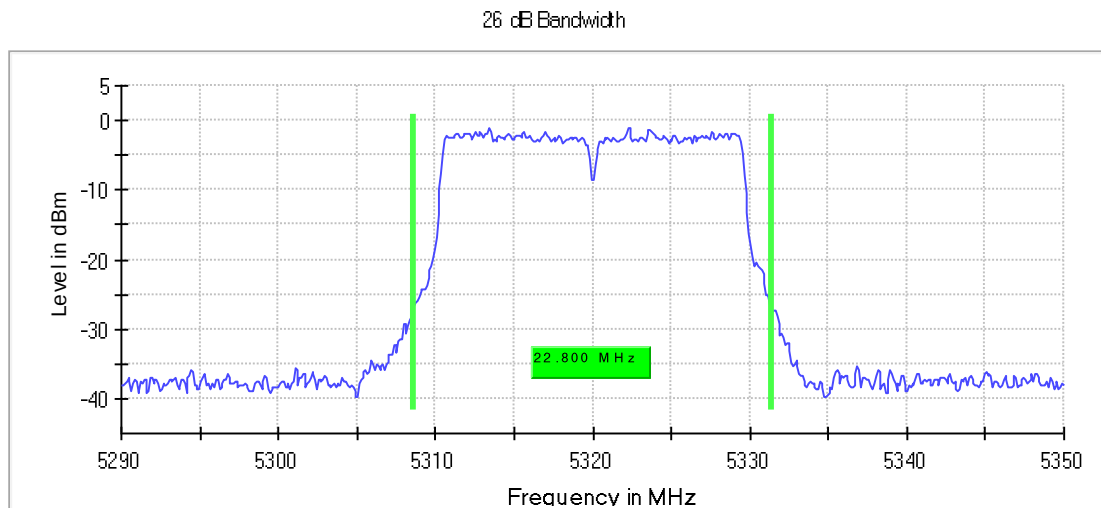
Setting	Instrument Value	Target Value
Start Frequency	5.26000 GHz	5.26000 GHz
Stop Frequency	5.30000 GHz	5.30000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
SweepTime	11.344 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5320 MHz; 24.000 dBm; 20 MHz)

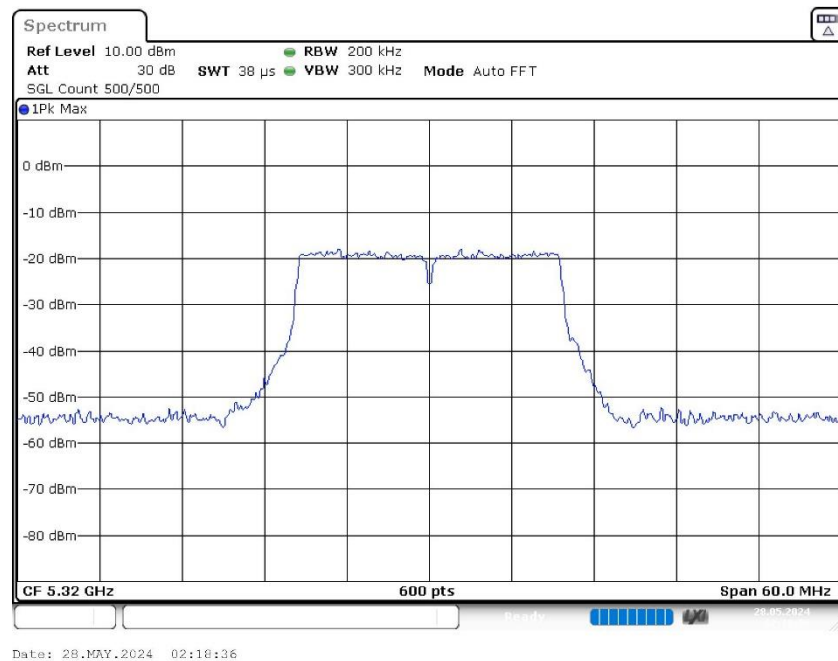
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	22.800000	---	---	5308.550000	5331.350000

DUT Frequency (MHz)	Max Level (dBm)	Result
5320.000000	-1.1	PASS



Bandwidth



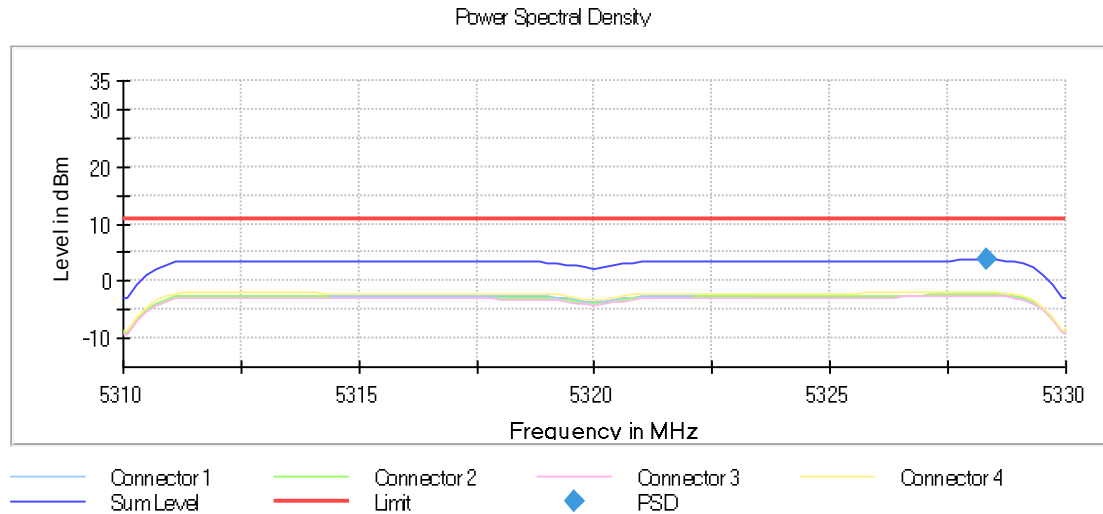
Power Spectral Density (5320 MHz; 24.000 dBm; 20 MHz) Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5320.000000	5328.316832	3.655	11.0	PASS

Ports

Port	State
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1	used
2	used
3	used
4	used

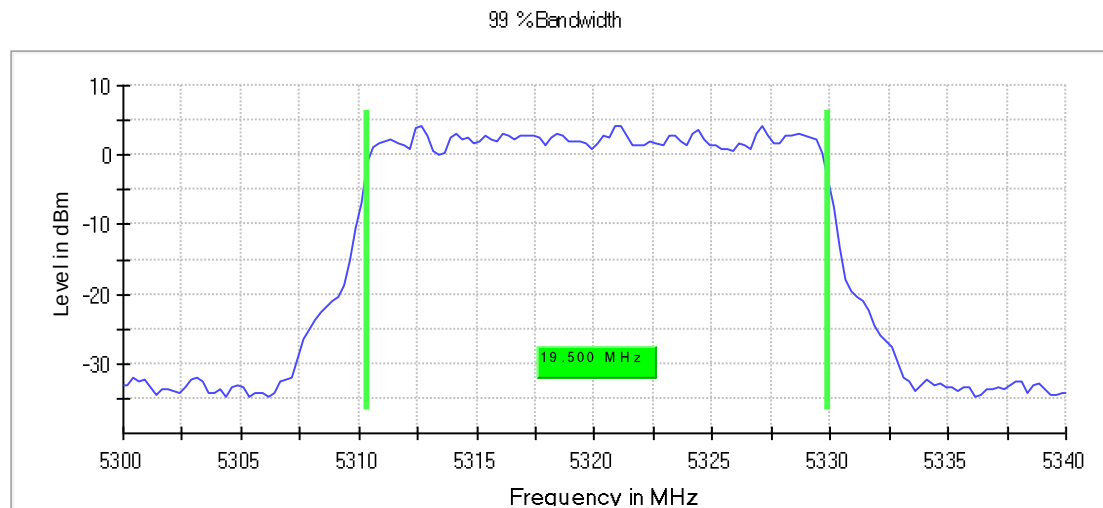


Occupied Channel Bandwidth 99% (5320 MHz; 24.000 dBm; 20 MHz)

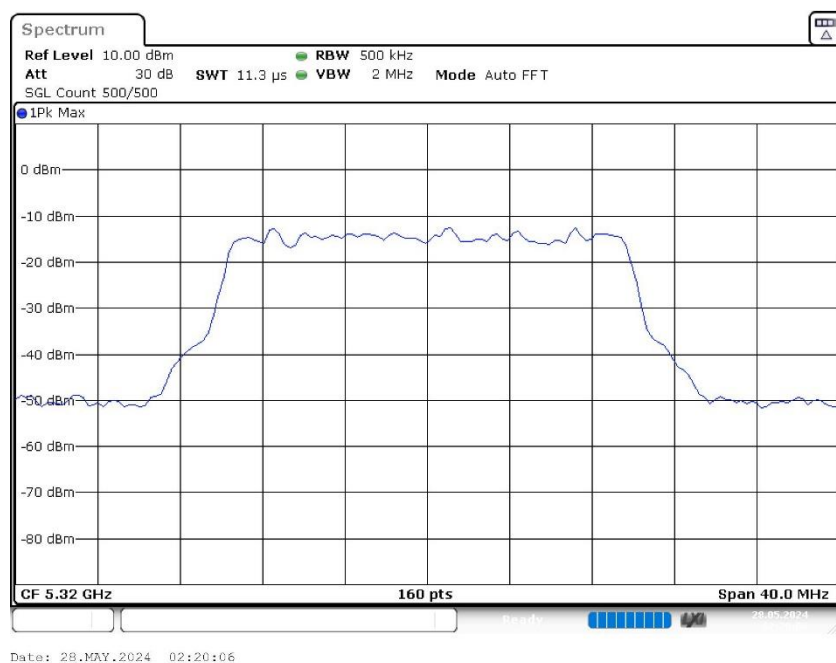
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	19.500000	---	---	5310.375000	5329.875000

DUT Frequency (MHz)	Result
5320.000000	PASS



Bandwidth



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

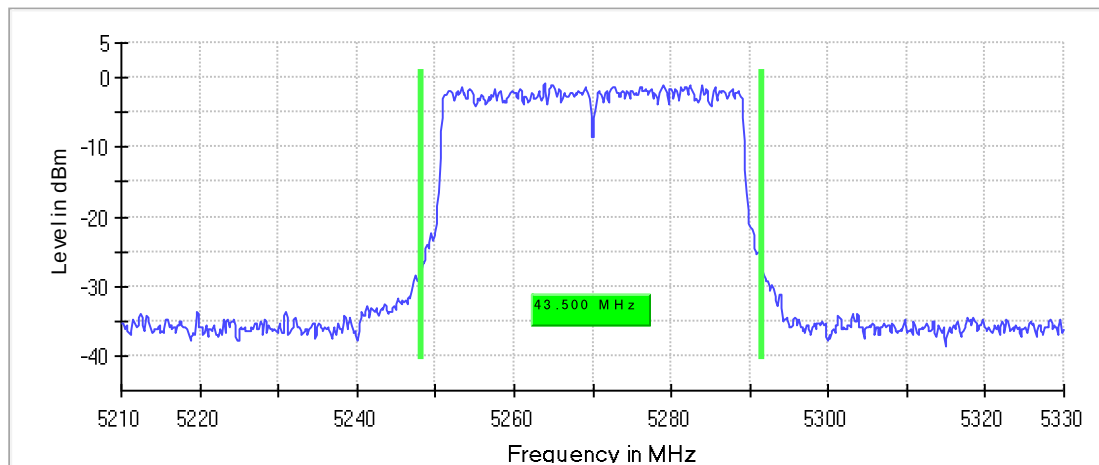
Emission Bandwidth 26 dB (5270 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

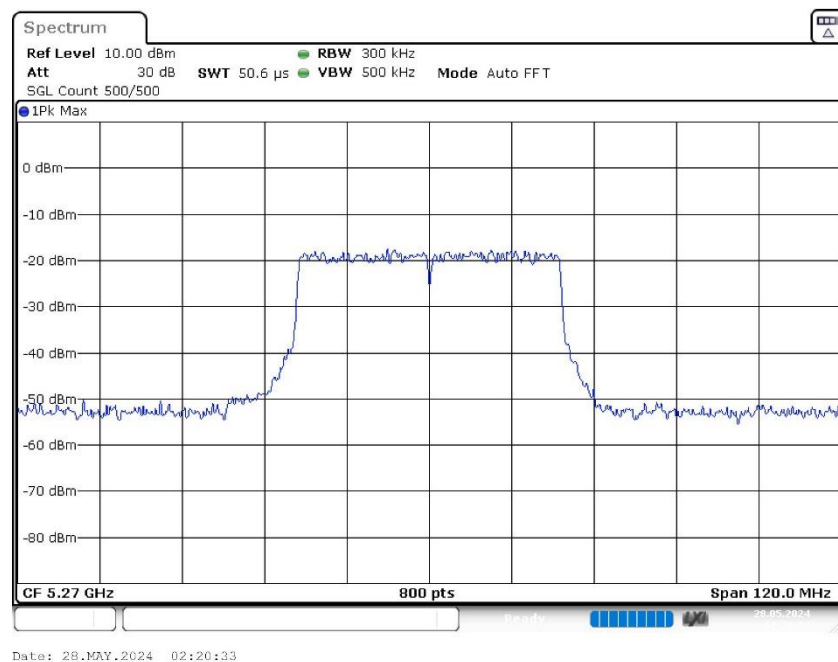
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	43.500000	---	---	5248.175000	5291.675000

DUT Frequency (MHz)	Max Level (dBm)	Result
5270.000000	-0.9	PASS

26 dB Bandwidth



Bandwidth



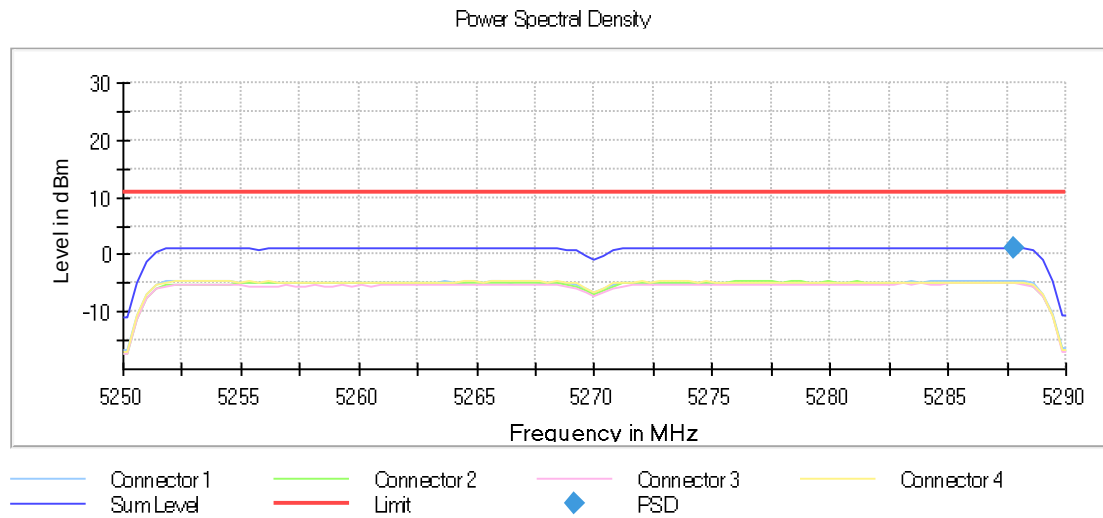
Power Spectral Density (5270 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5270.000000	5287.821782	1.197	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

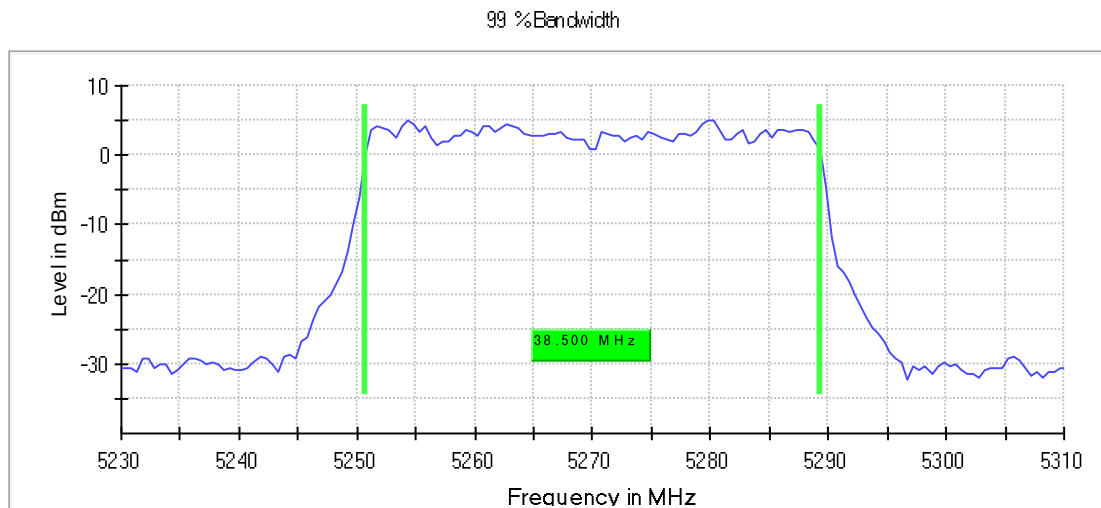


Occupied Channel Bandwidth 99% (5270 MHz; 24.000 dBm; 40 MHz)

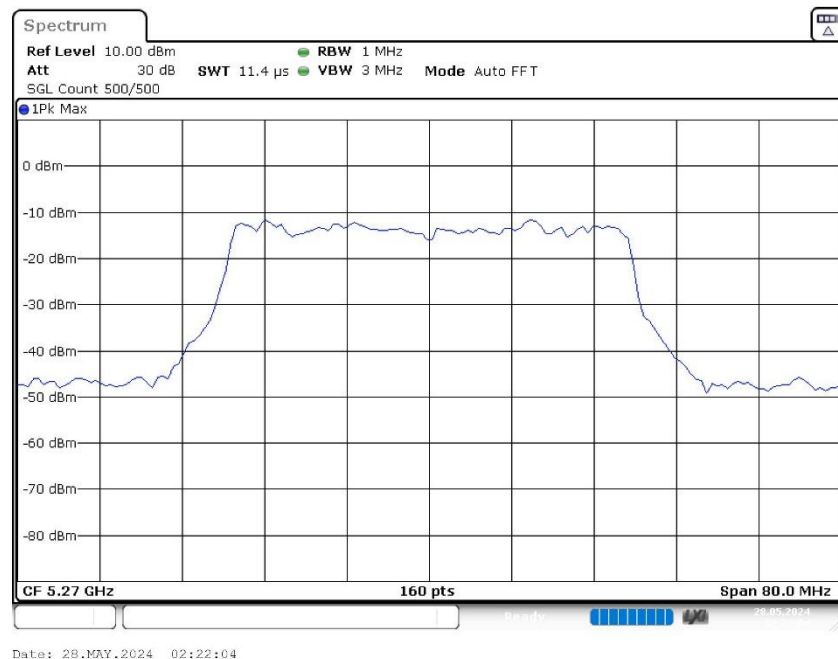
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	38.500000	---	---	5250.750000	5289.250000

DUT Frequency (MHz)	Result
5270.000000	PASS



Bandwidth



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	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweptime	11.438 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

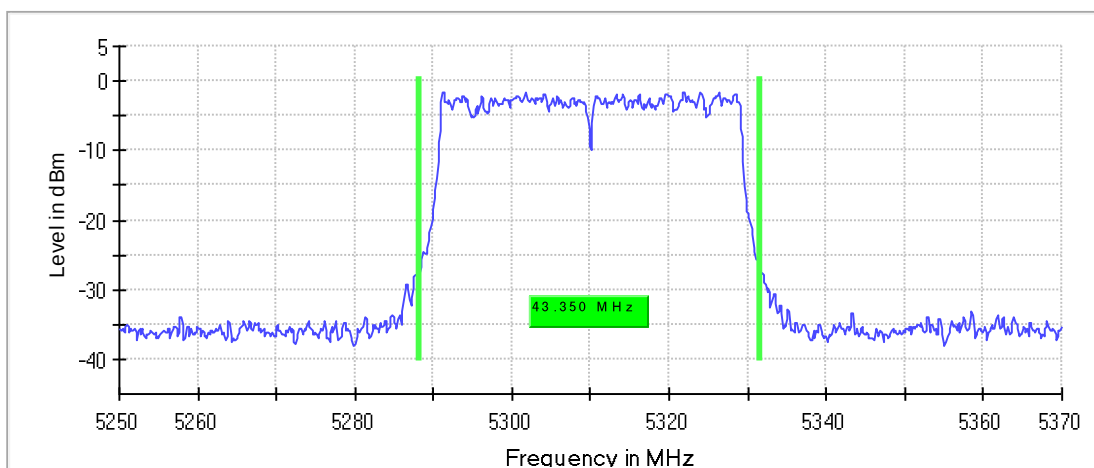
Emission Bandwidth 26 dB (5310 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

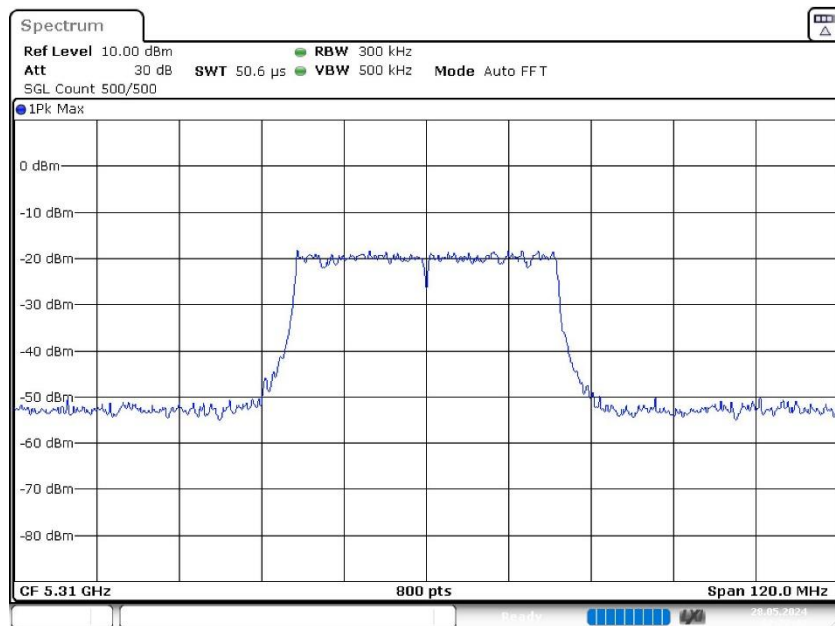
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5310.000000	43.350000	---	---	5288.175000	5331.525000

DUT Frequency (MHz)	Max Level (dBm)	Result
5310.000000	-1.5	PASS

26 dB Bandwidth



Bandwidth



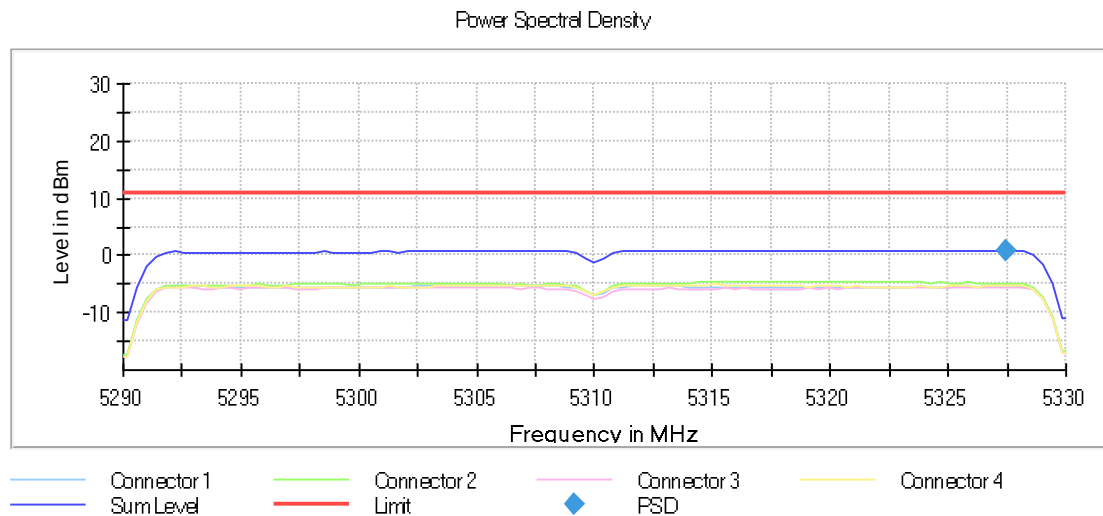
Power Spectral Density (5310 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5310.000000	5327.425743	0.819	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

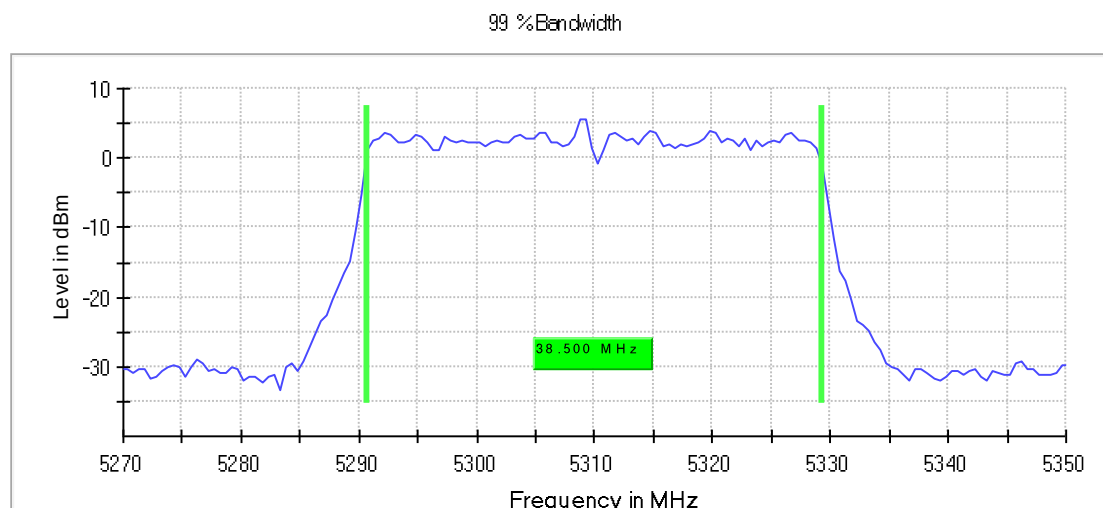


Occupied Channel Bandwidth 99% (5310 MHz; 24.000 dBm; 40 MHz)

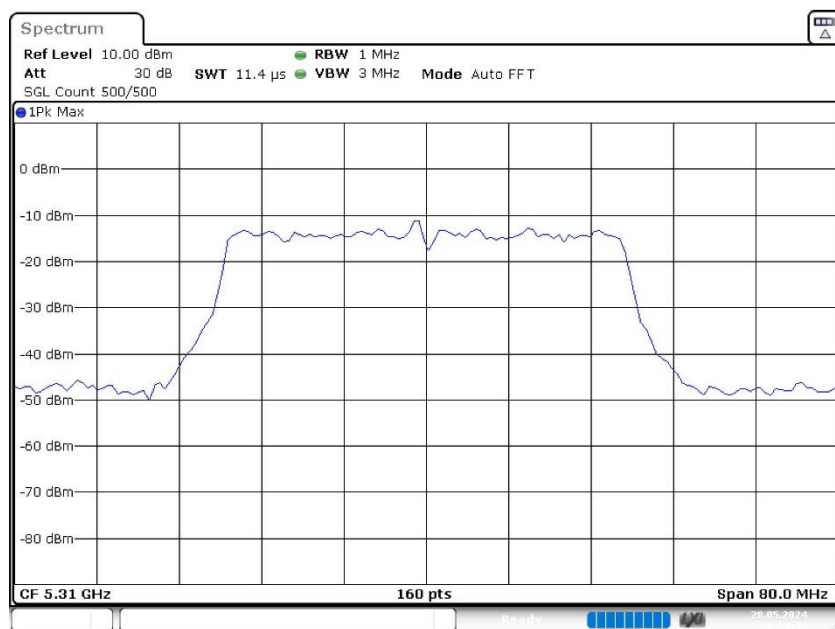
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5310.000000	38.500000	---	---	5290.750000	5329.250000

DUT Frequency (MHz)	Result
5310.000000	PASS



Bandwidth



Date: 28.MAY.2024 02:24:14

Measurement

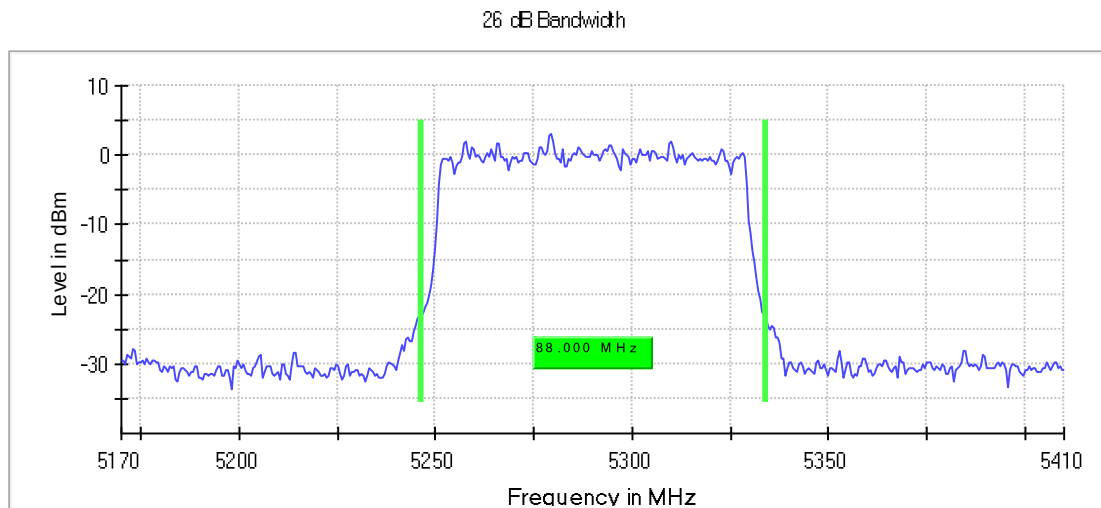
Setting	Instrument Value	Target Value
Start Frequency	5.27000 GHz	5.27000 GHz
Stop Frequency	5.35000 GHz	5.35000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	≥ 1.000 MHz
VBW	3.000 MHz	≥ 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5290 MHz; 24.000 dBm; 80 MHz)

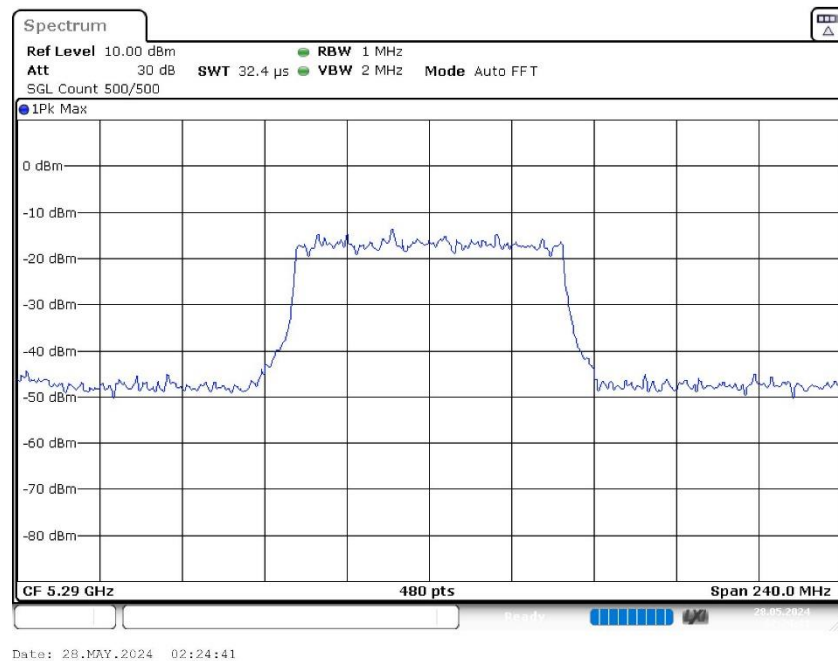
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	88.000000	---	---	5246.250000	5334.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5290.000000	3.0	PASS



Bandwidth



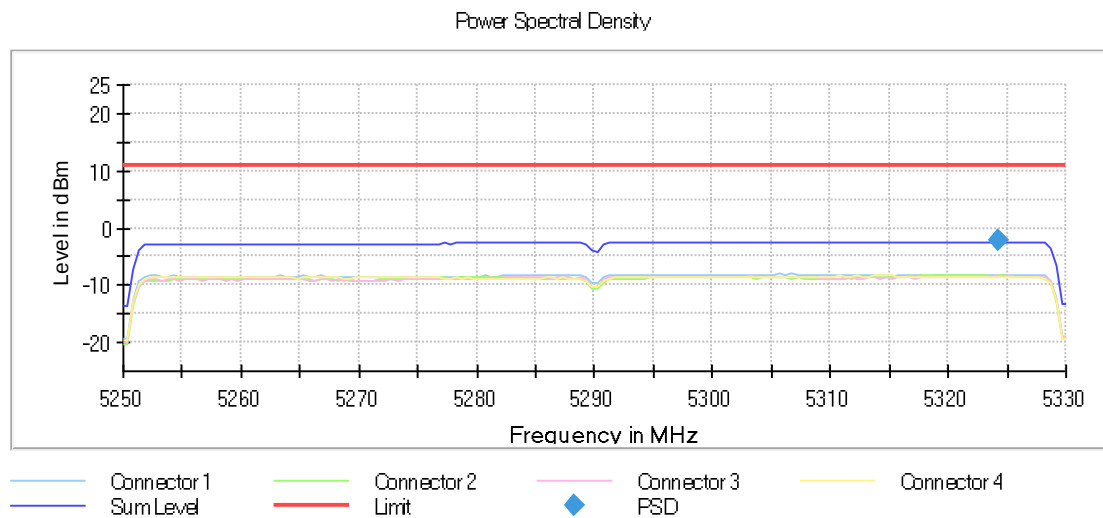
Power Spectral Density (5290 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5290.000000	5324.250000	-2.340	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



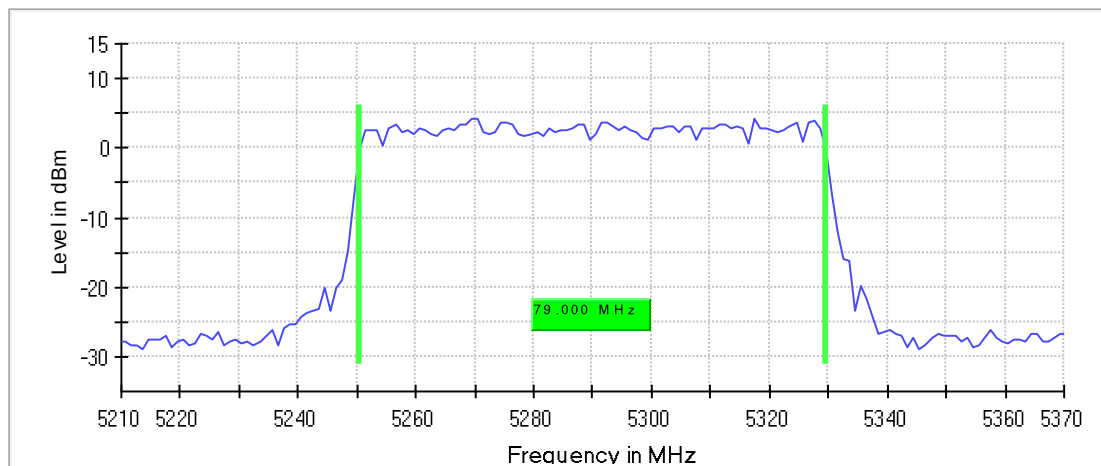
Occupied Channel Bandwidth 99% (5290 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

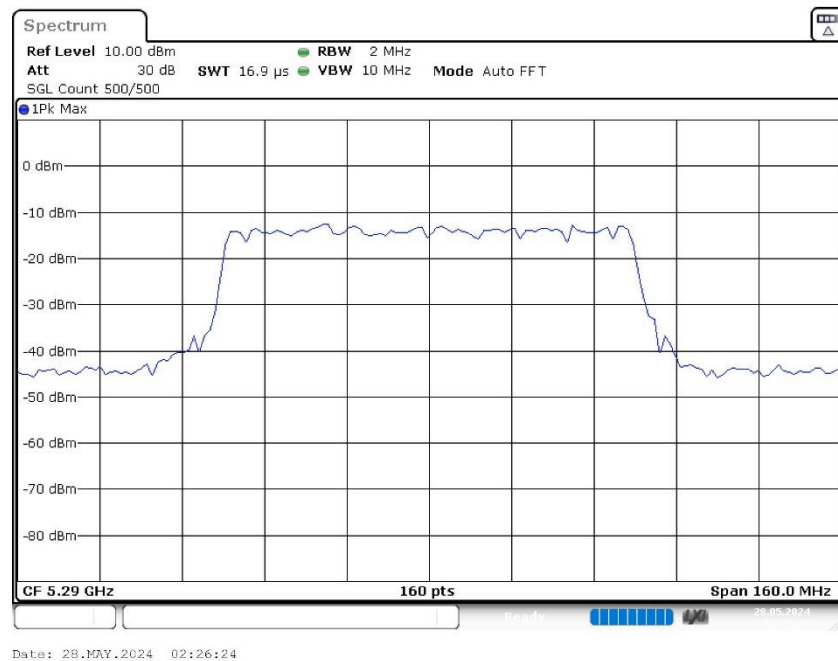
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	79.000000	---	---	5250.500000	5329.500000

DUT Frequency (MHz)	Result
5290.000000	PASS

99 %Bandwidth



Bandwidth



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	2.000 MHz	>= 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
Sweptime	16.875 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

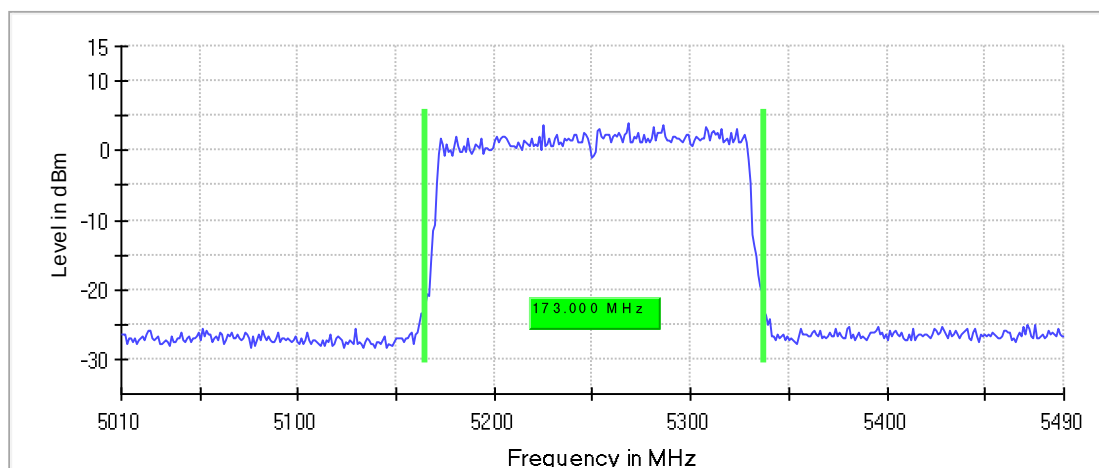
Emission Bandwidth 26 dB (5250 MHz; 24.000 dBm; 160 MHz)

26 dB Bandwidth

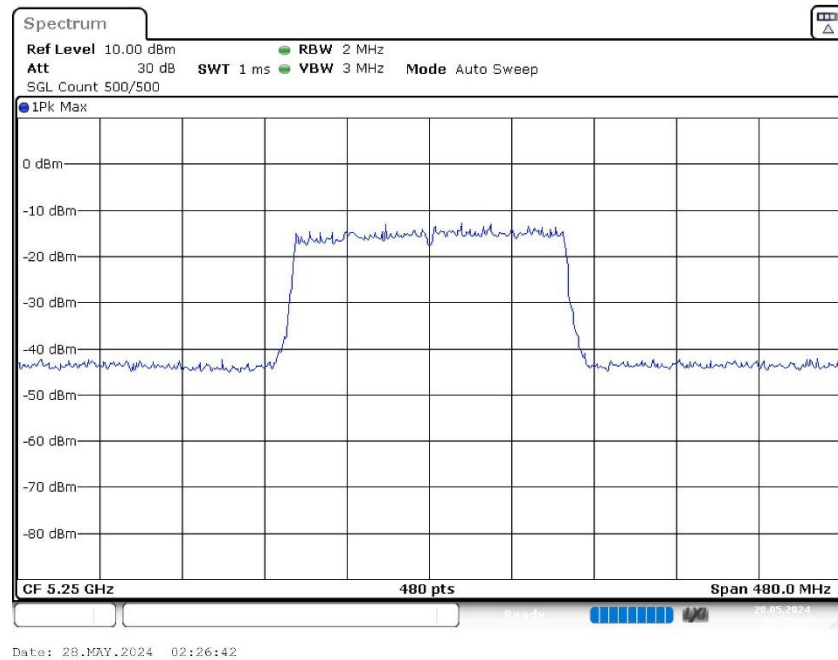
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5250.000000	173.000000	---	---	5164.500000	5337.500000

DUT Frequency (MHz)	Max Level (dBm)	Result
5250.000000	3.9	PASS

26 dB Bandwidth



Bandwidth



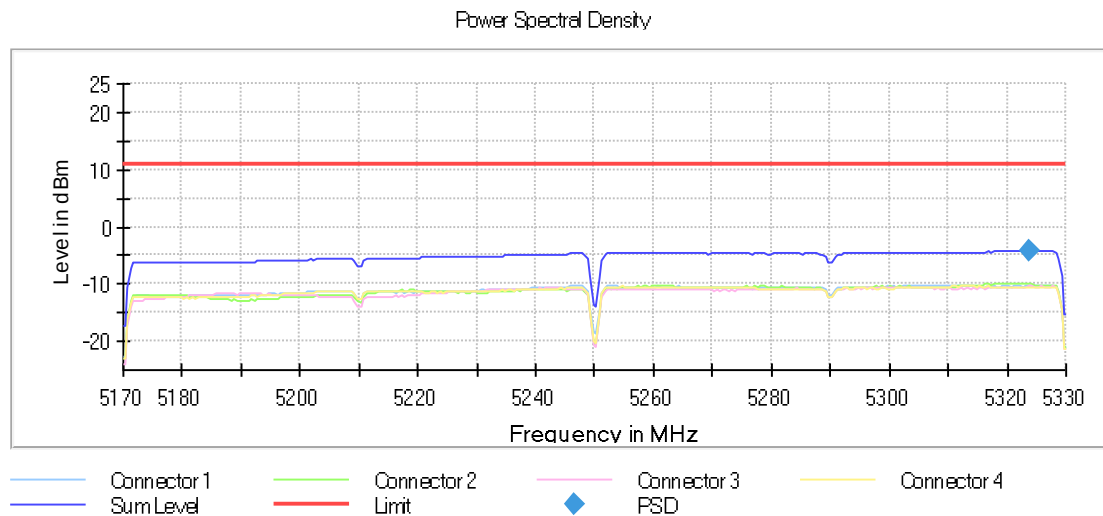
Power Spectral Density (5250 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5250.000000	5323.750000	-4.255	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

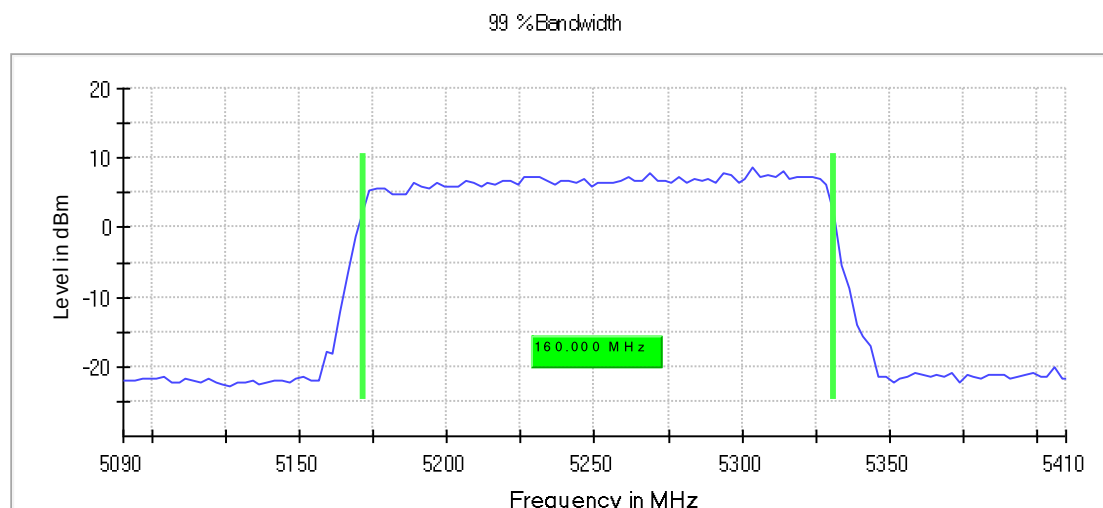


Occupied Channel Bandwidth 99% (5250 MHz; 24.000 dBm; 160 MHz)

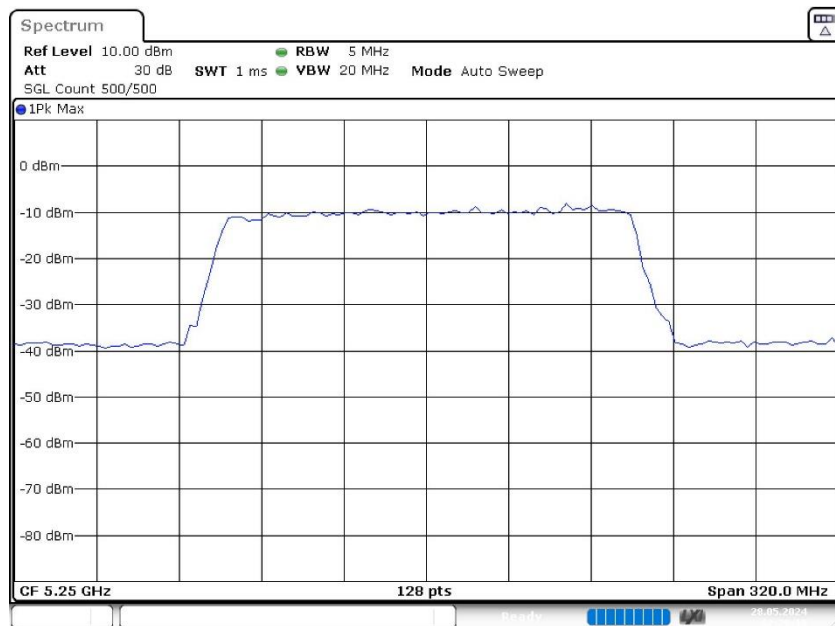
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5250.000000	160.000000	---	---	5171.250000	5331.250000

DUT Frequency (MHz)	Result
5250.000000	PASS



Bandwidth



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	5.000 MHz	>= 4.000 MHz
VBW	20.000 MHz	>= 15.000 MHz
SweepPoints	128	~ 128
SweepTime	1.000 ms	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	Sweep	AUTO
Preamp	off	off

1.2 Summary 2c Band

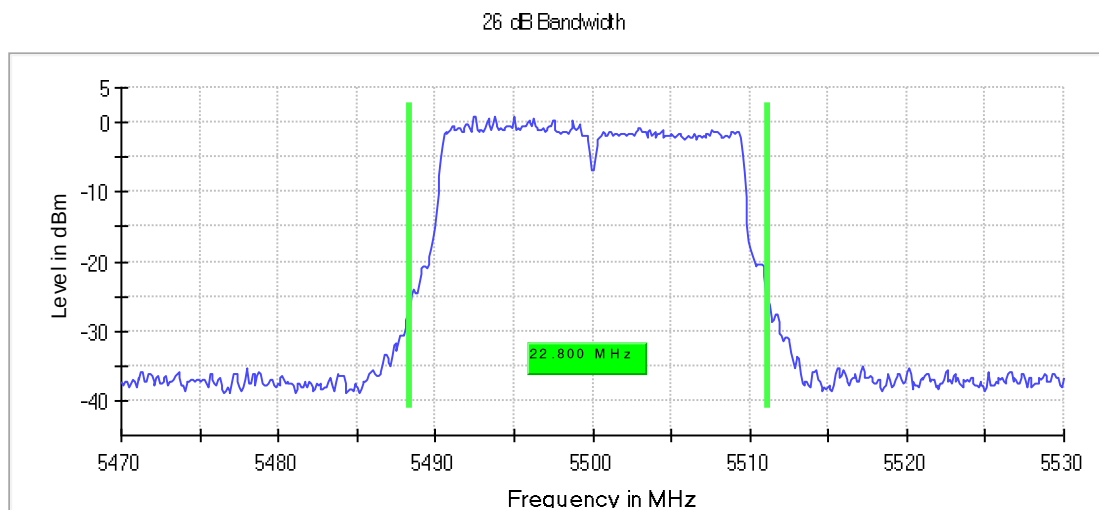
Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5500.000	24.0	20.000000	PASS
RF output power	5500.000	24.0	20.000000	PASS
Power Spectral Density	5500.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5500.000	24.0	20.000000	PASS
Emission Bandwidth 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

Emission Bandwidth 26 dB (5500 MHz; 24.000 dBm; 20 MHz)

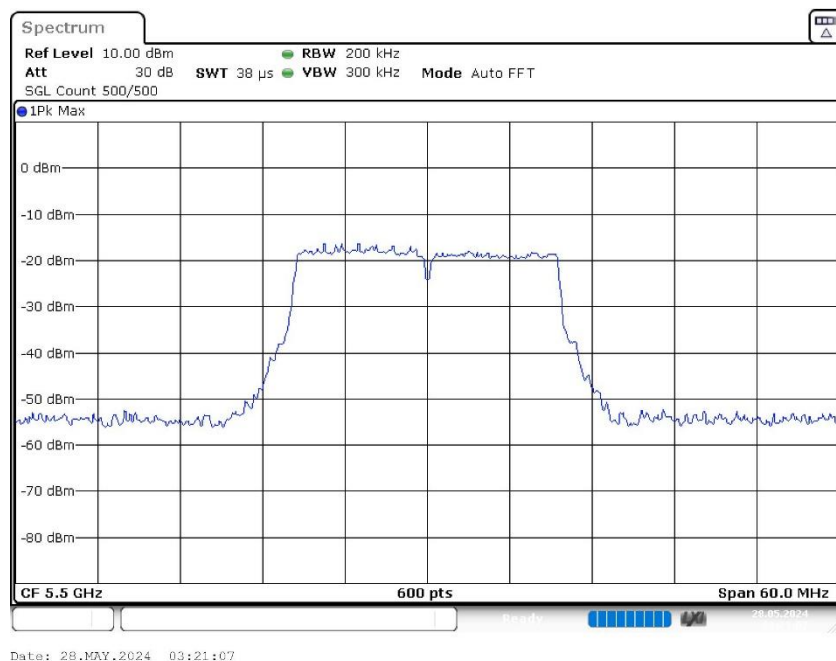
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	22.800000	---	---	5488.350000	5511.150000

DUT Frequency (MHz)	Max Level (dBm)	Result
5500.000000	0.9	PASS



Bandwidth



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

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

RF output power (5500 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5500.000000	17.8	24.0	17.8	99.727	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

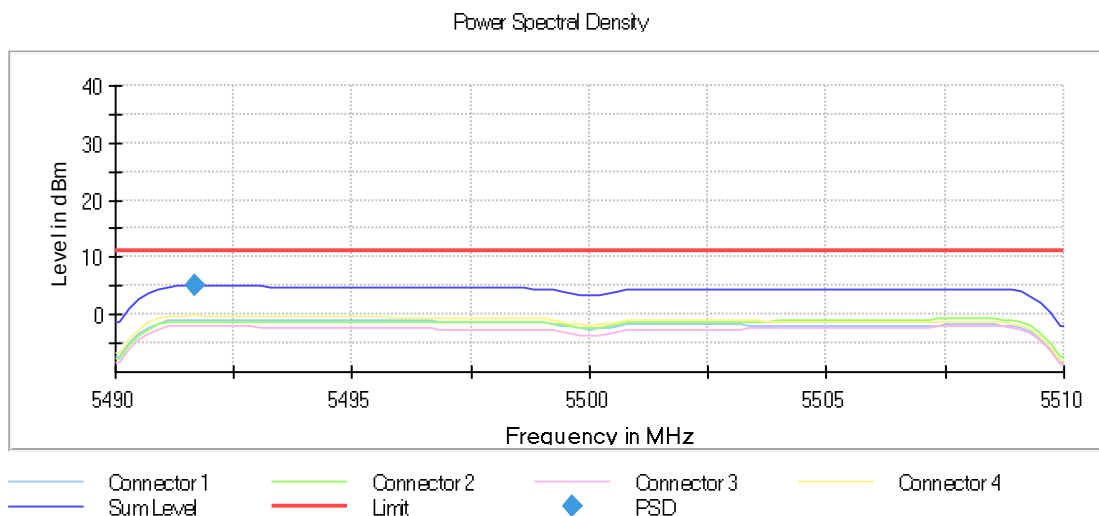
Power Spectral Density (5500 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5500.000000	5491.683168	5.074	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



Measurement

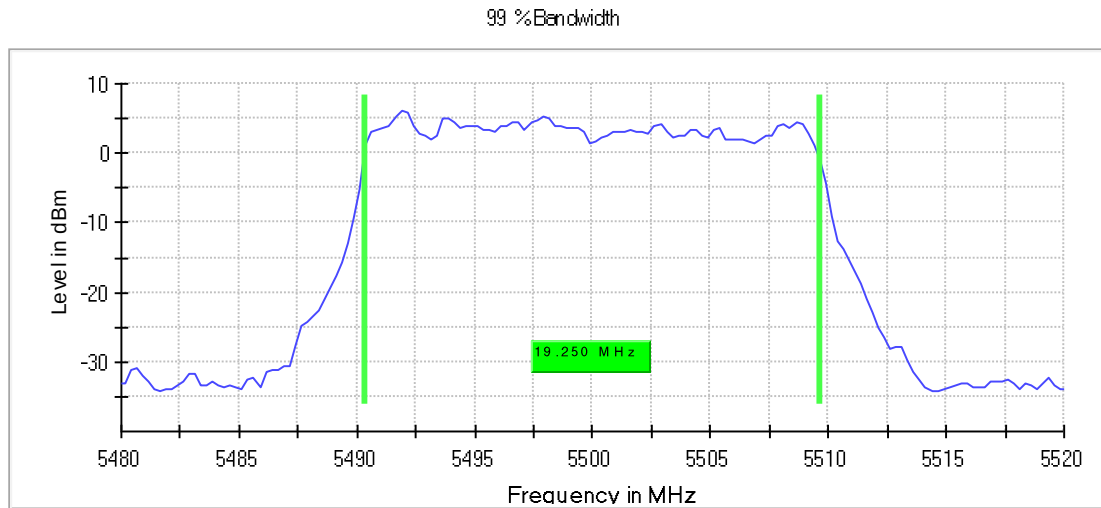
Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.51000 GHz	5.51000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

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

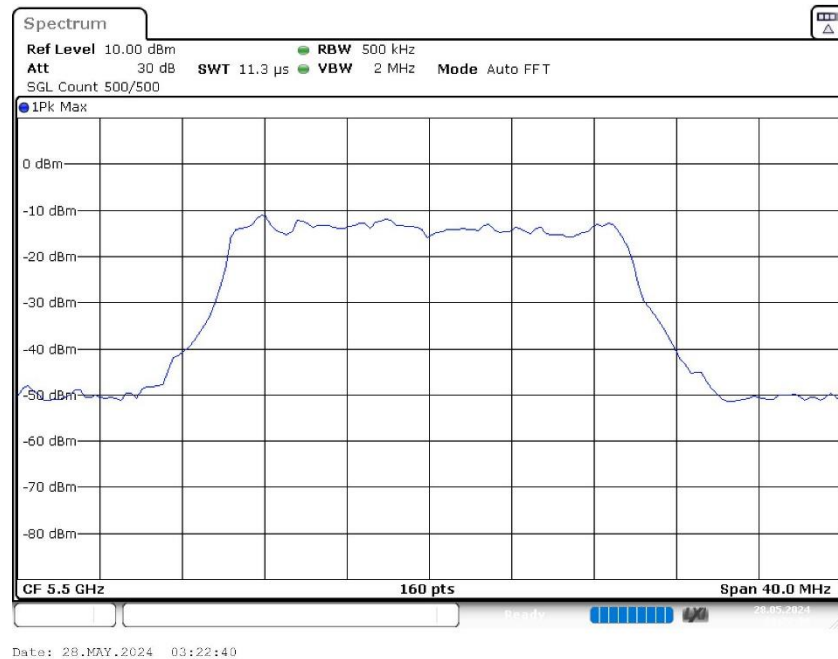
99 % Bandwidth

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

DUT Frequency (MHz)	Result
5500.000000	PASS



Bandwidth



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
Preamp	off	off

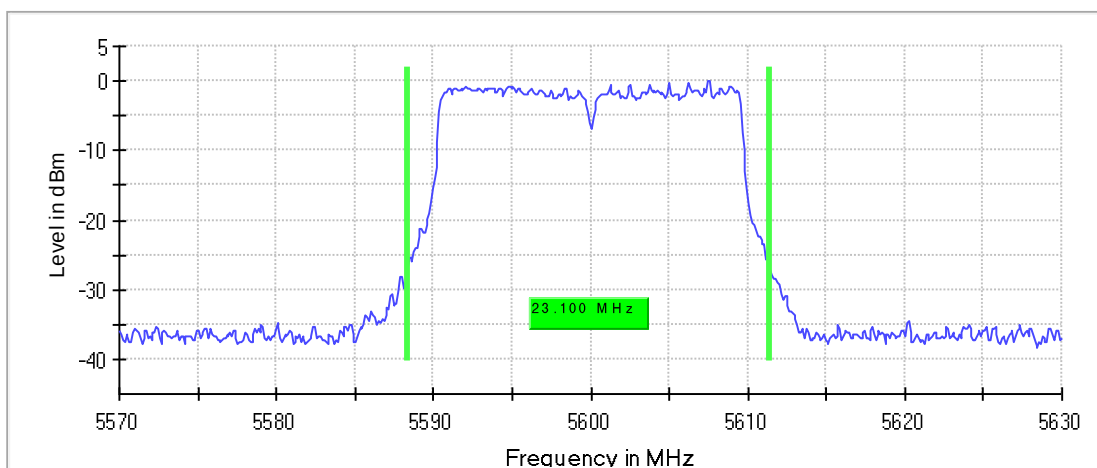
Emission Bandwidth 26 dB (5600 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

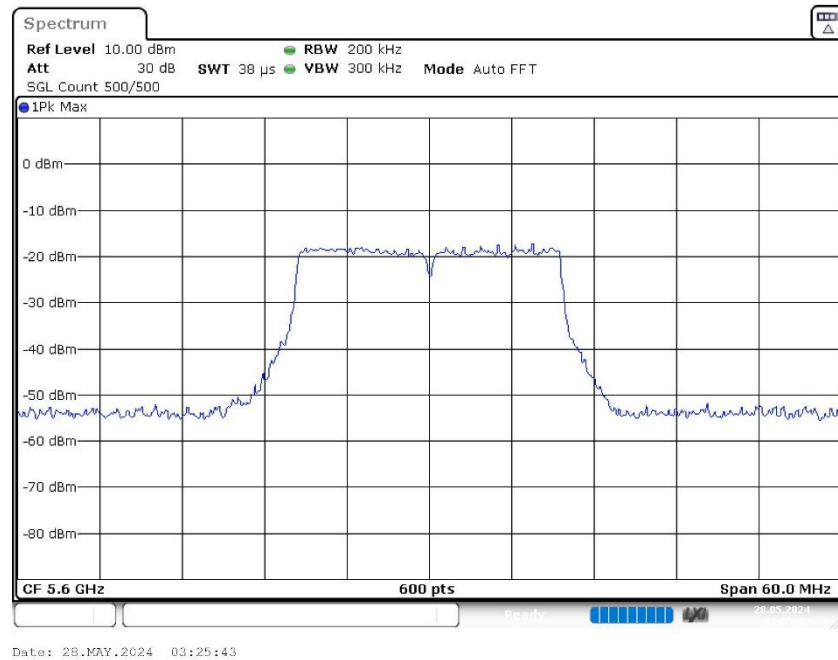
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	23.100000	---	---	5588.350000	5611.450000

DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	0.0	PASS

26 dB Bandwidth



Bandwidth



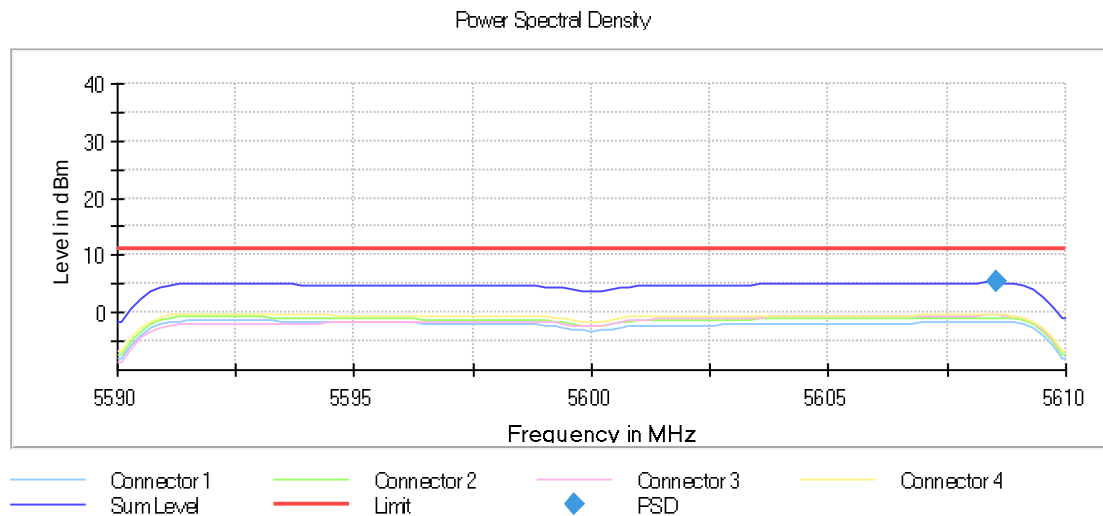
Power Spectral Density (5600 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5600.000000	5608.514851	5.292	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

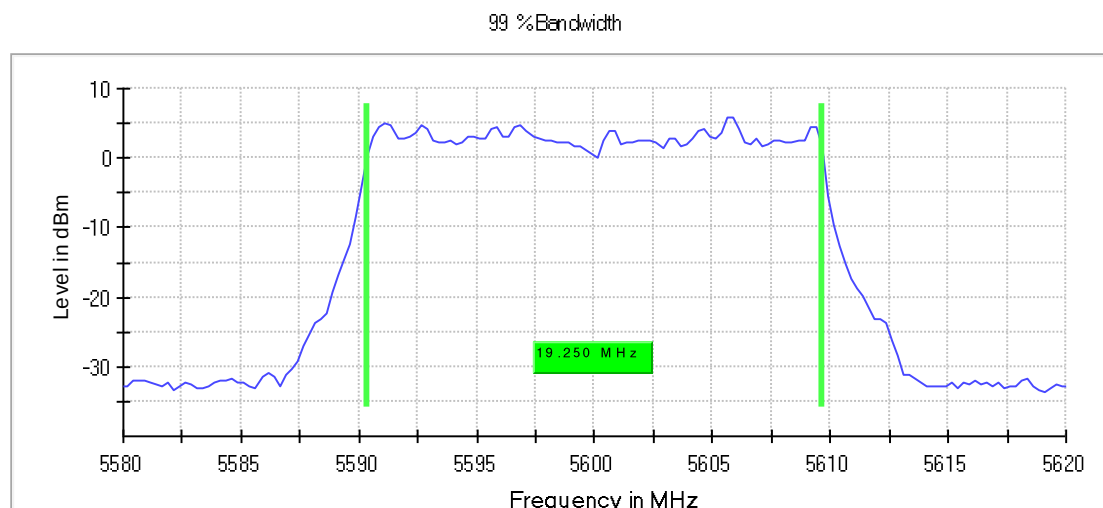


Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 20 MHz)

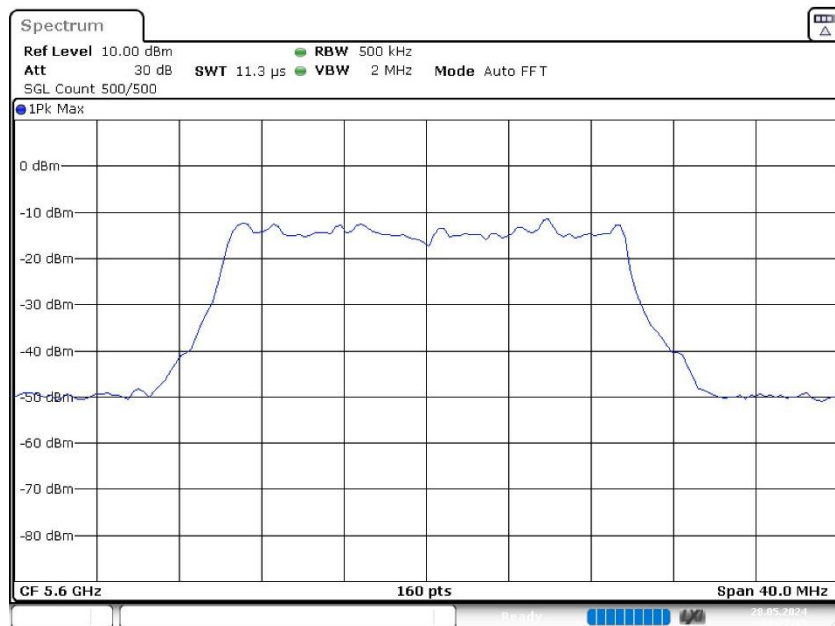
99 % Bandwidth

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

DUT Frequency (MHz)	Result
5600.000000	PASS



Bandwidth



Date: 28.MAY.2024 03:27:16

Measurement

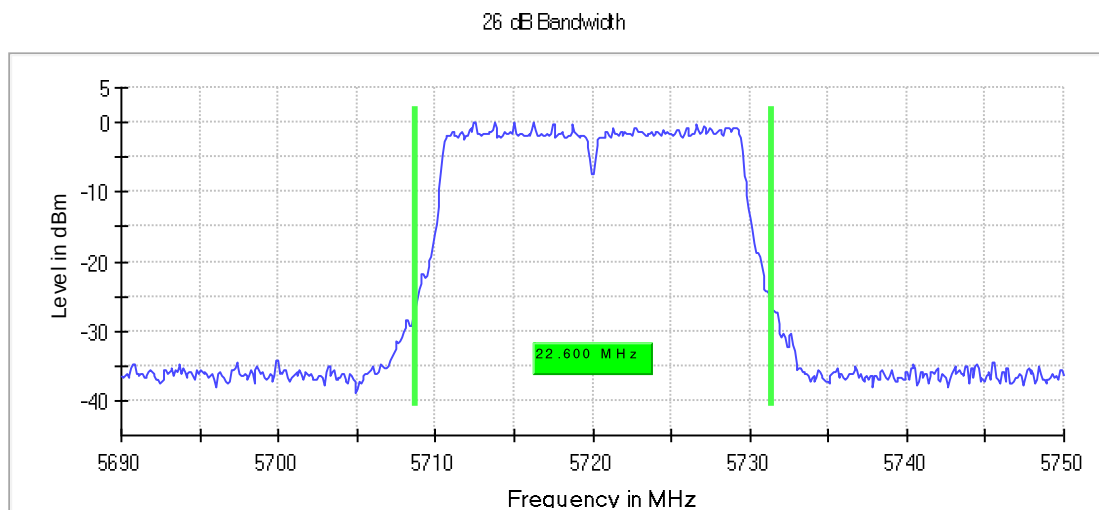
Setting	Instrument Value	Target Value
Start Frequency	5.58000 GHz	5.58000 GHz
Stop Frequency	5.62000 GHz	5.62000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
SweepTime	11.344 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5720 MHz; 24.000 dBm; 20 MHz)

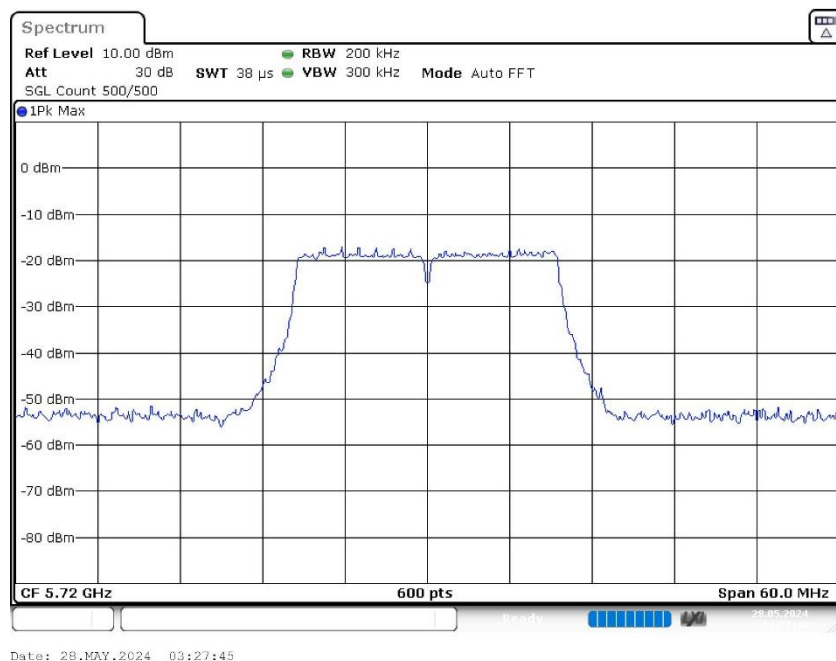
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	22.600000	16.250000	6.350000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5720.000000	5708.750000	5731.350000	0.1	PASS



Bandwidth



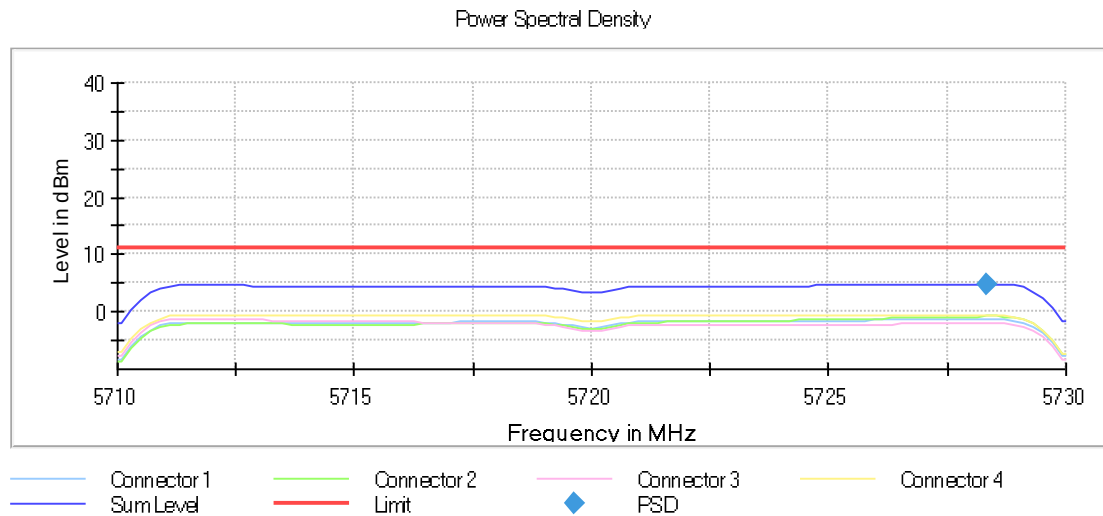
Power Spectral Density (5720 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5720.000000	5728.316832	4.905	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

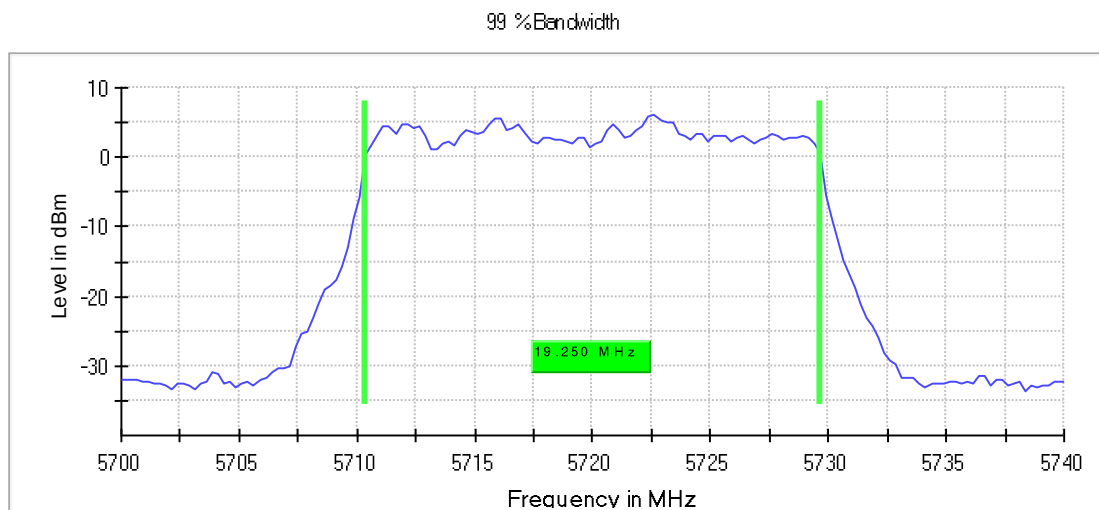


Occupied Channel Bandwidth 99% (5720 MHz; 24.000 dBm; 20 MHz)

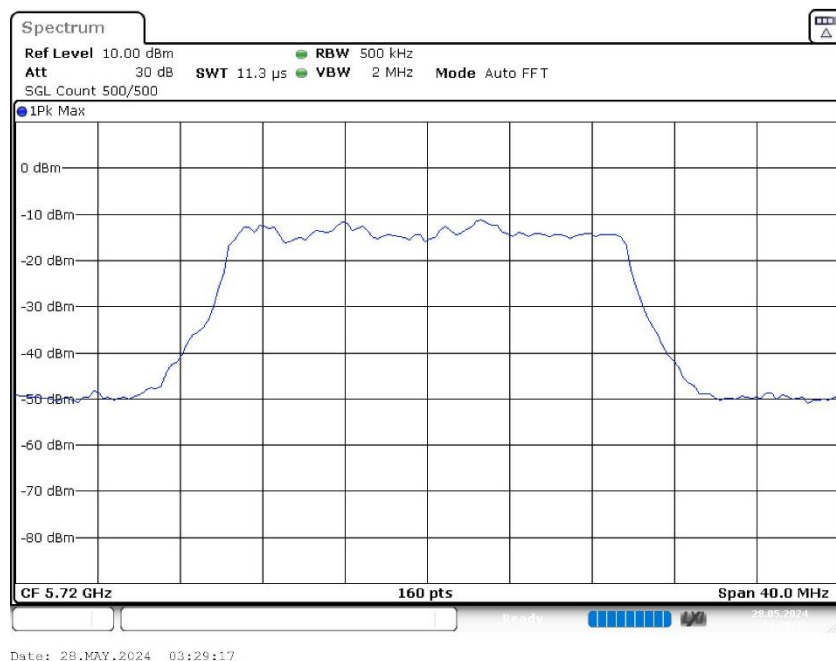
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	19.250000	14.625000	4.625000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5720.000000	5710.375000	5729.625000	PASS



Bandwidth



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
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
Preamplifier	off	off

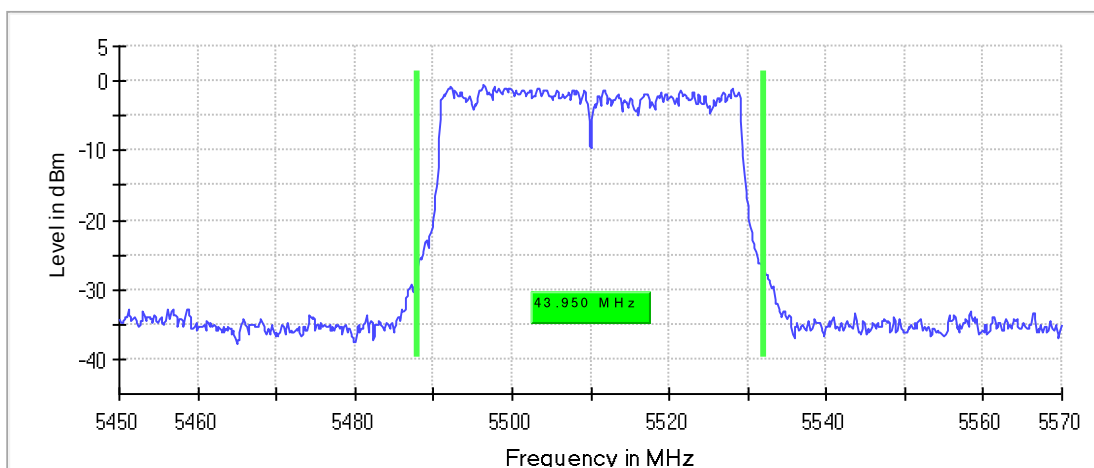
Emission Bandwidth 26 dB (5510 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

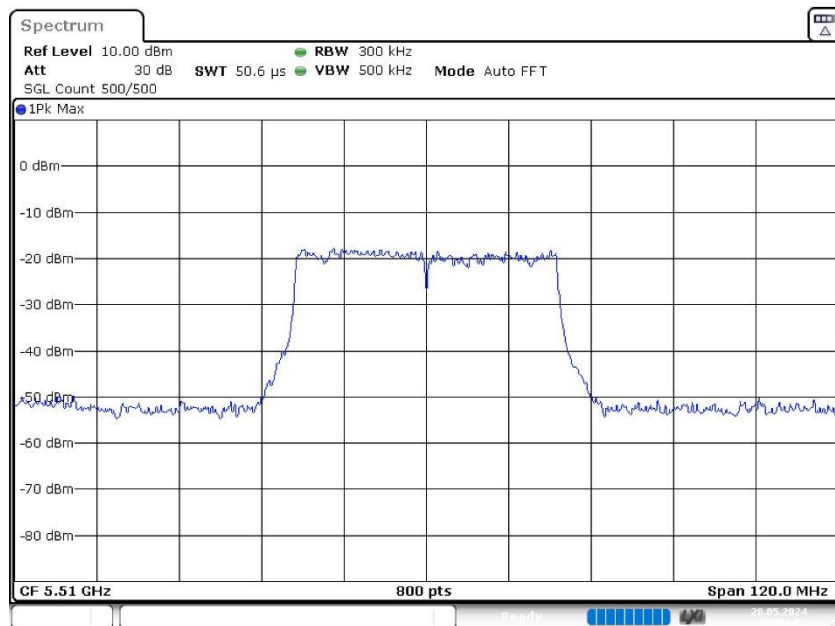
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	43.950000	---	---	5488.025000	5531.975000

DUT Frequency (MHz)	Max Level (dBm)	Result
5510.000000	-0.6	PASS

26 dB Bandwidth



Bandwidth



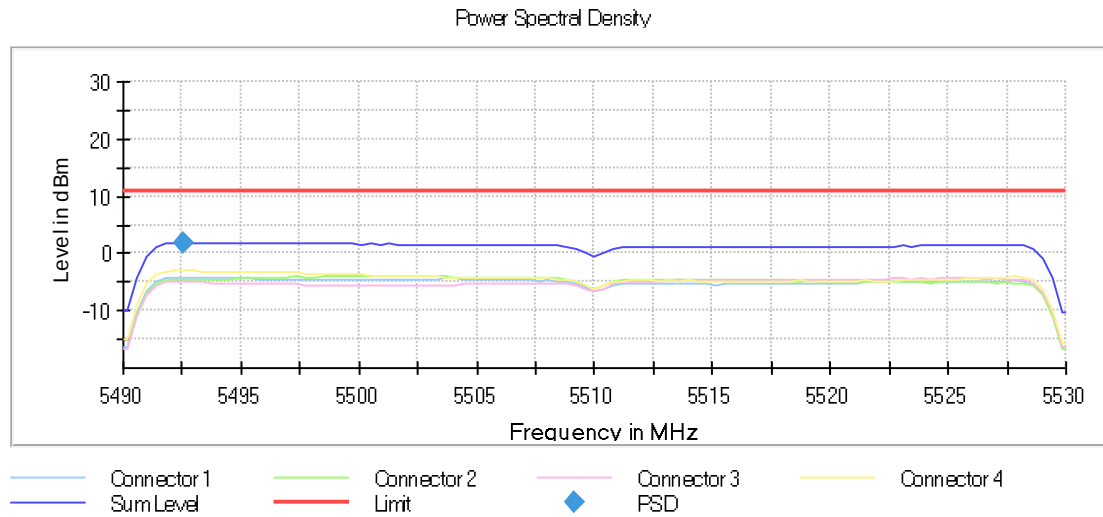
Power Spectral Density (5510 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5510.000000	5492.574257	1.922	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

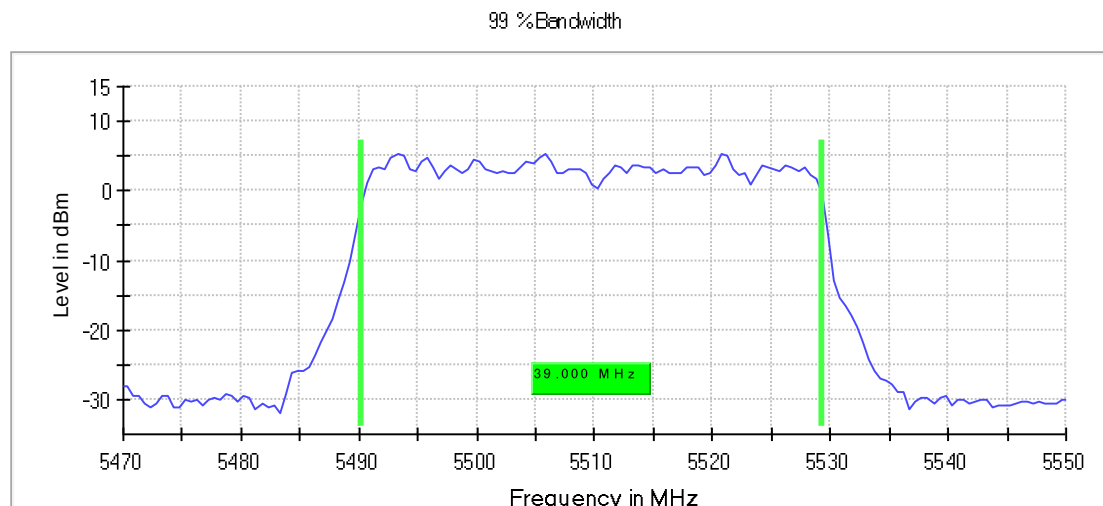


Occupied Channel Bandwidth 99% (5510 MHz; 24.000 dBm; 40 MHz)

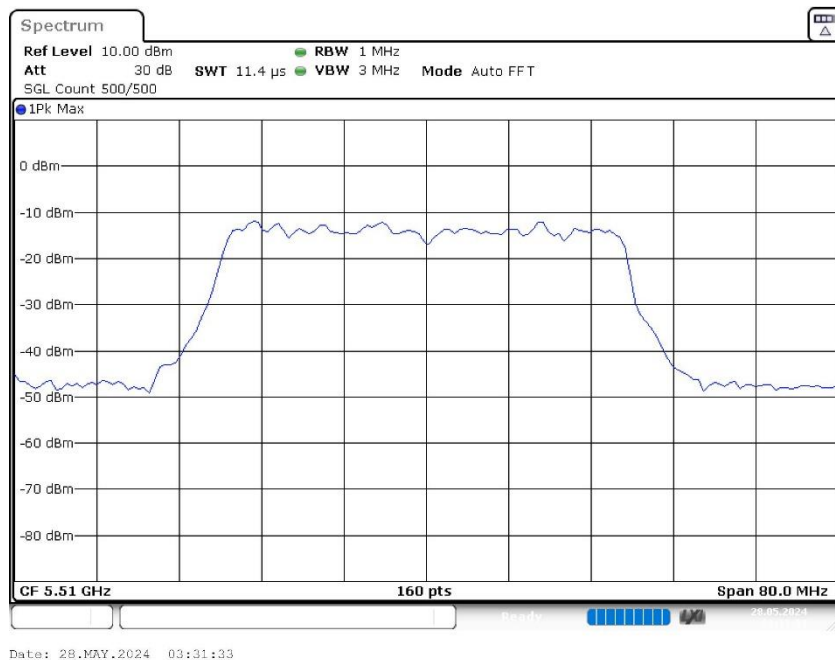
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	39.000000	---	---	5490.250000	5529.250000

DUT Frequency (MHz)	Result
5510.000000	PASS



Bandwidth



Measurement

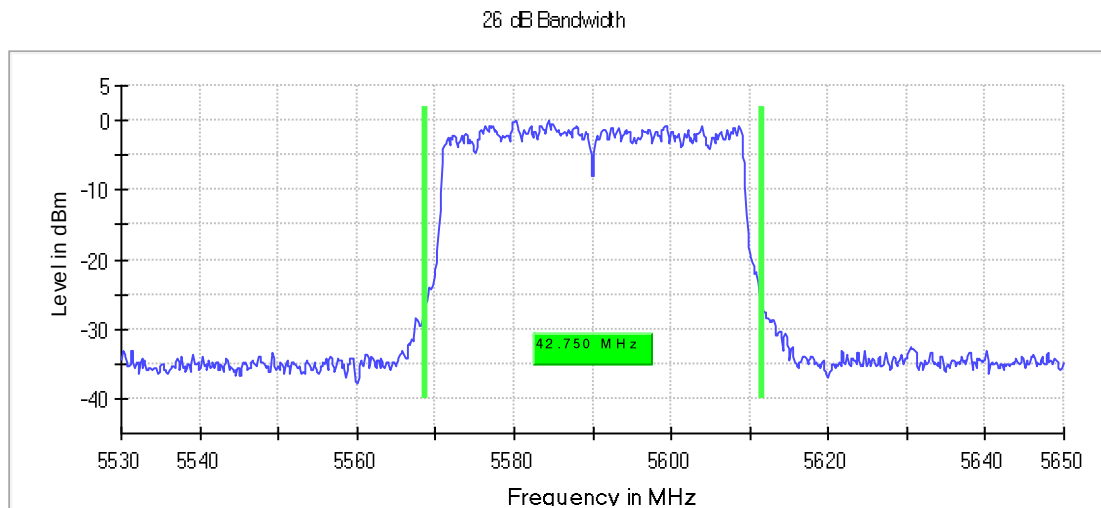
Setting	Instrument Value	Target Value
Start Frequency	5.47000 GHz	5.47000 GHz
Stop Frequency	5.55000 GHz	5.55000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5590 MHz; 24.000 dBm; 40 MHz)

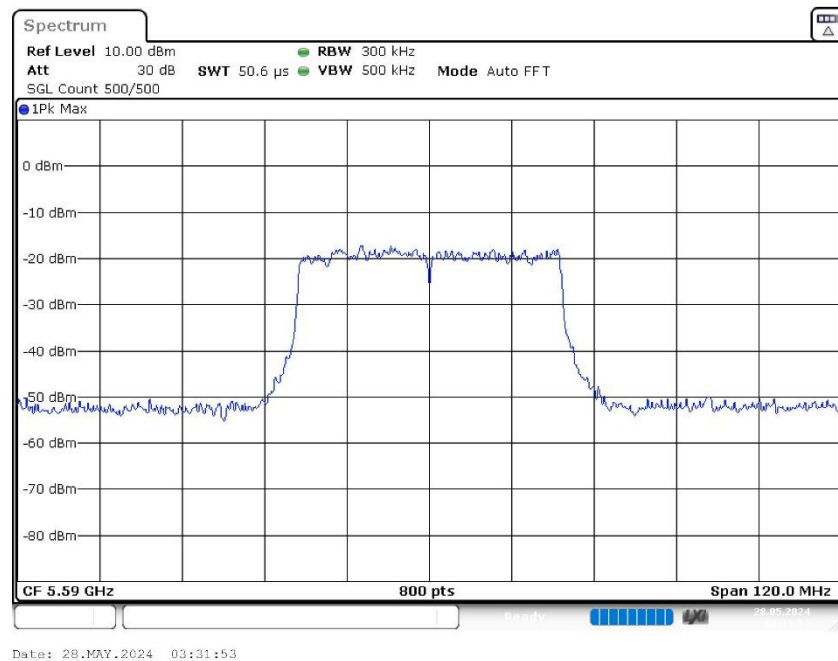
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	42.750000	---	---	5568.775000	5611.525000

DUT Frequency (MHz)	Max Level (dBm)	Result
5590.000000	0.1	PASS



Bandwidth



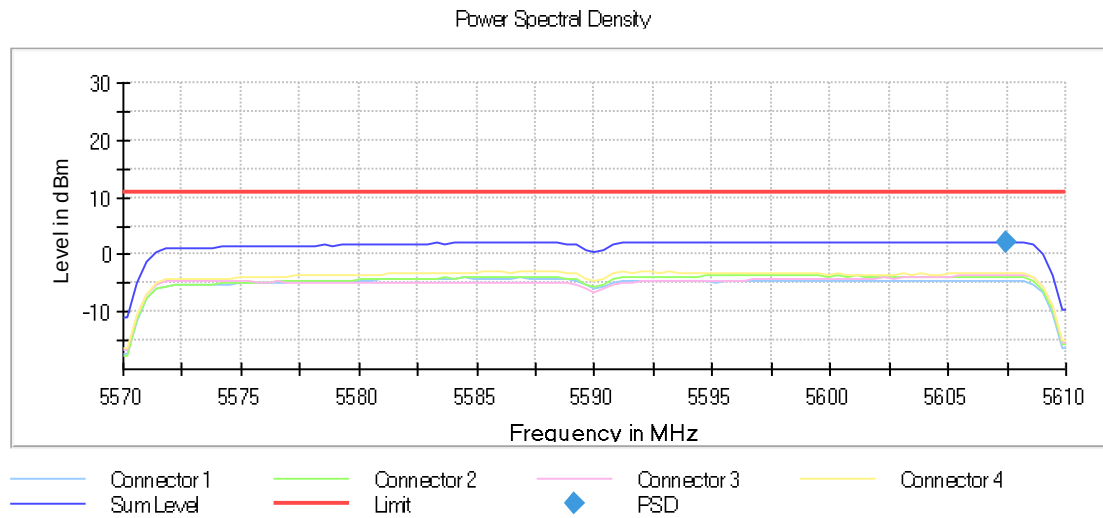
Power Spectral Density (5590 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5590.000000	5607.425743	2.282	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



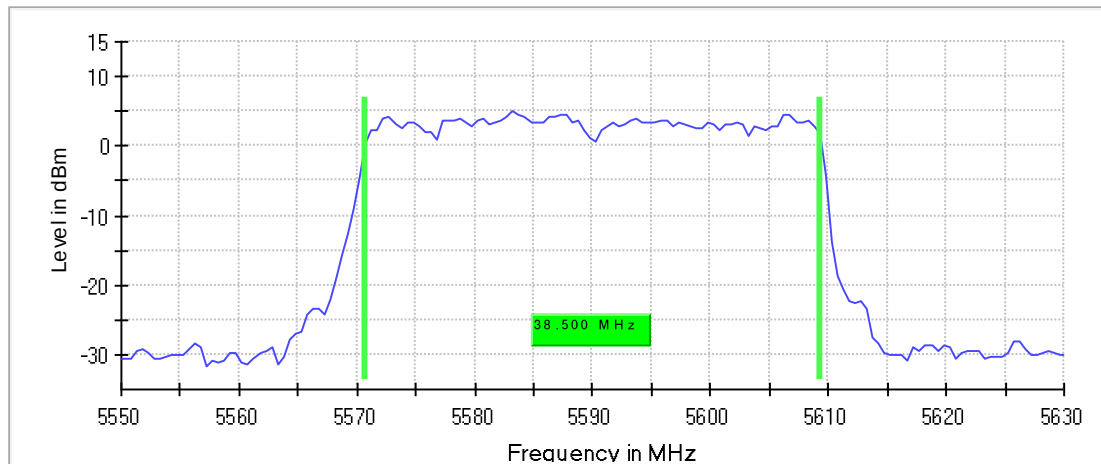
Occupied Channel Bandwidth 99% (5590 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

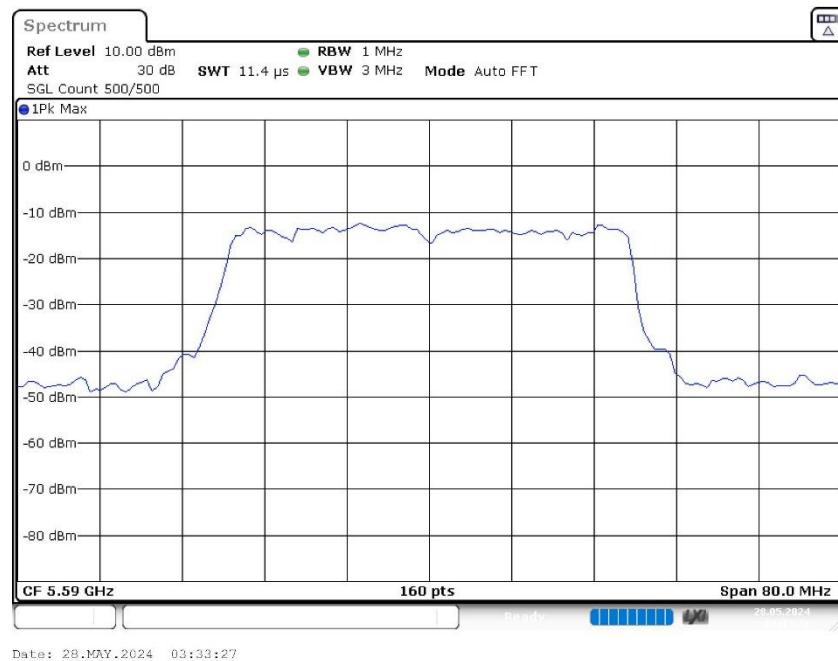
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	38.500000	---	---	5570.750000	5609.250000

DUT Frequency (MHz)	Result
5590.000000	PASS

99 %Bandwidth



Bandwidth



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	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweptime	11.438 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

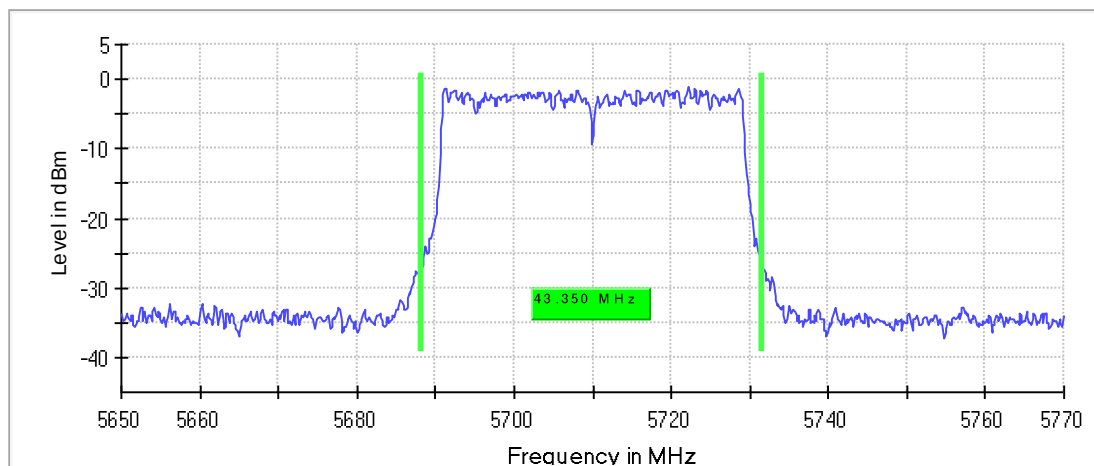
Emission Bandwidth 26 dB (5710 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

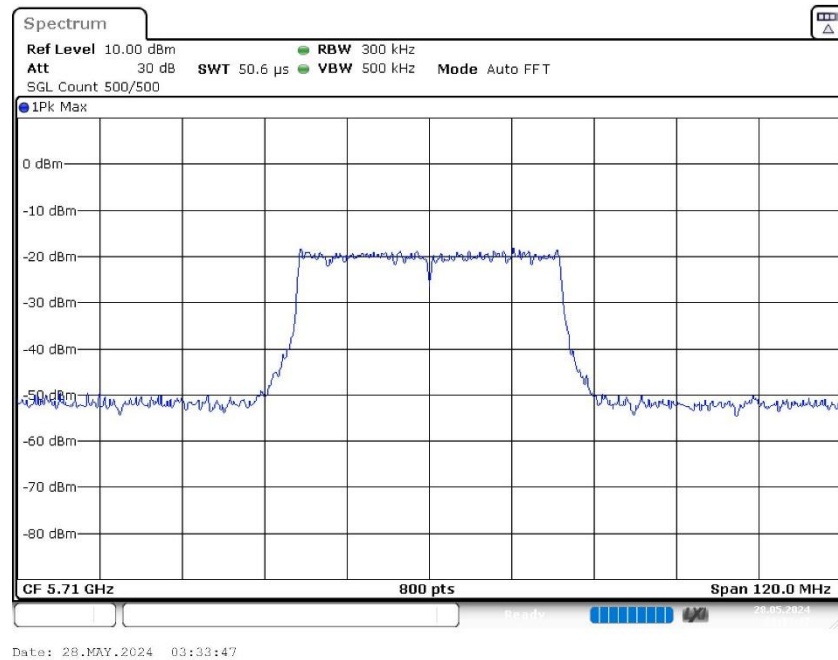
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	43.350000	36.825000	6.525000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5710.000000	5688.175000	5731.525000	-1.0	PASS

26 dB Bandwidth



Bandwidth



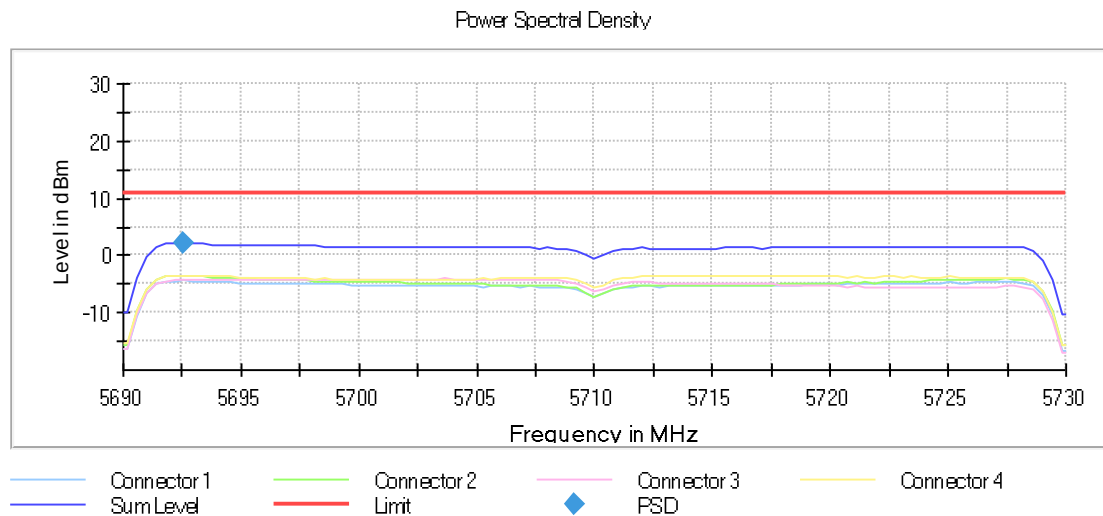
Power Spectral Density (5710 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5710.000000	5692.574257	2.075	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

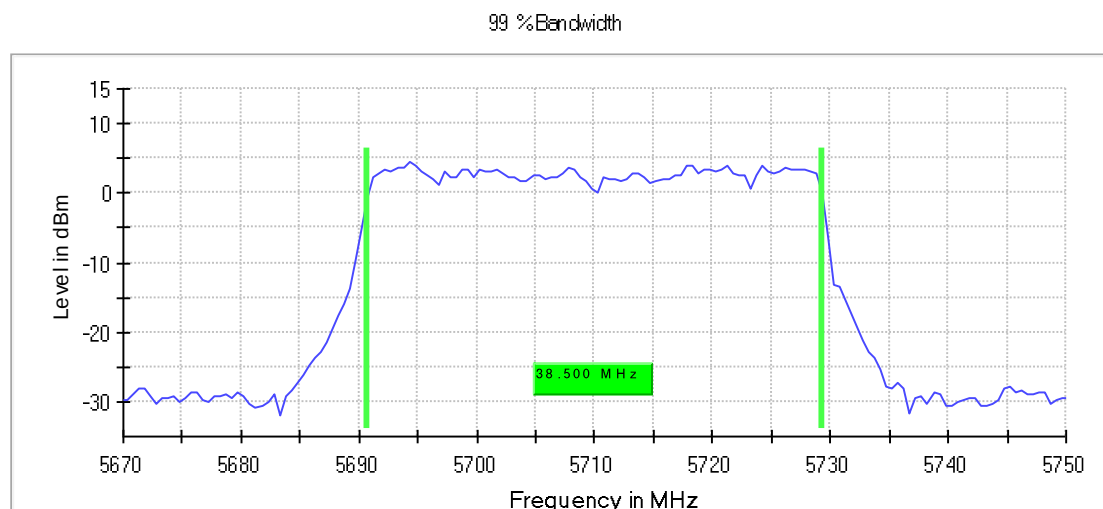


Occupied Channel Bandwidth 99% (5710 MHz; 24.000 dBm; 40 MHz)

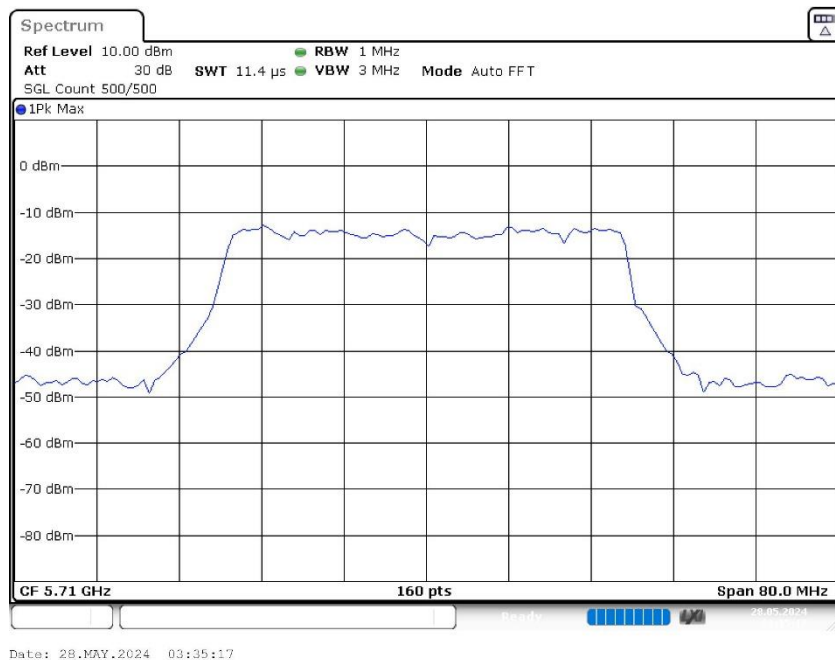
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	38.500000	34.250000	4.250000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5710.000000	5690.750000	5729.250000	PASS



Bandwidth



Measurement

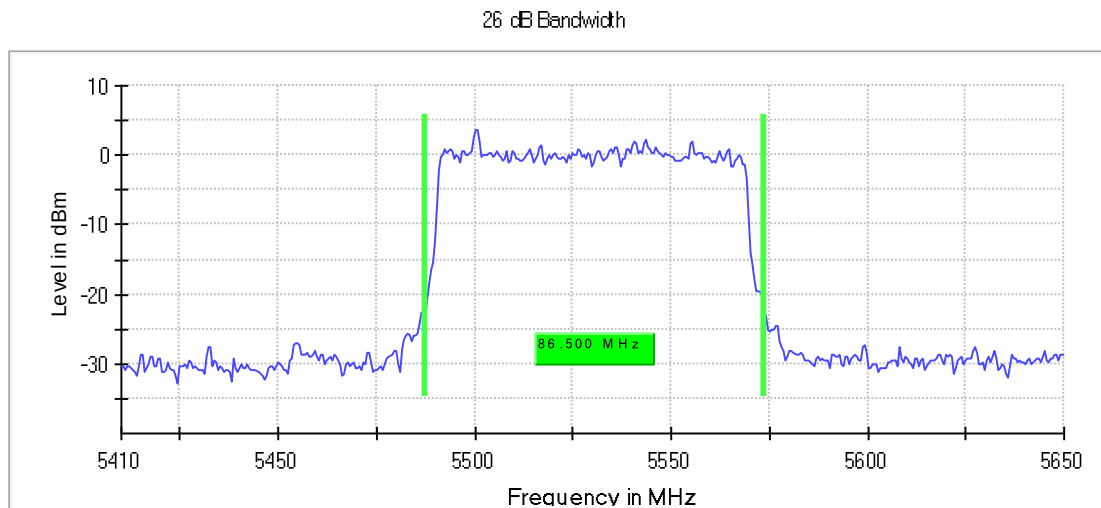
Setting	Instrument Value	Target Value
Start Frequency	5.67000 GHz	5.67000 GHz
Stop Frequency	5.75000 GHz	5.75000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5530 MHz; 24.000 dBm; 80 MHz)

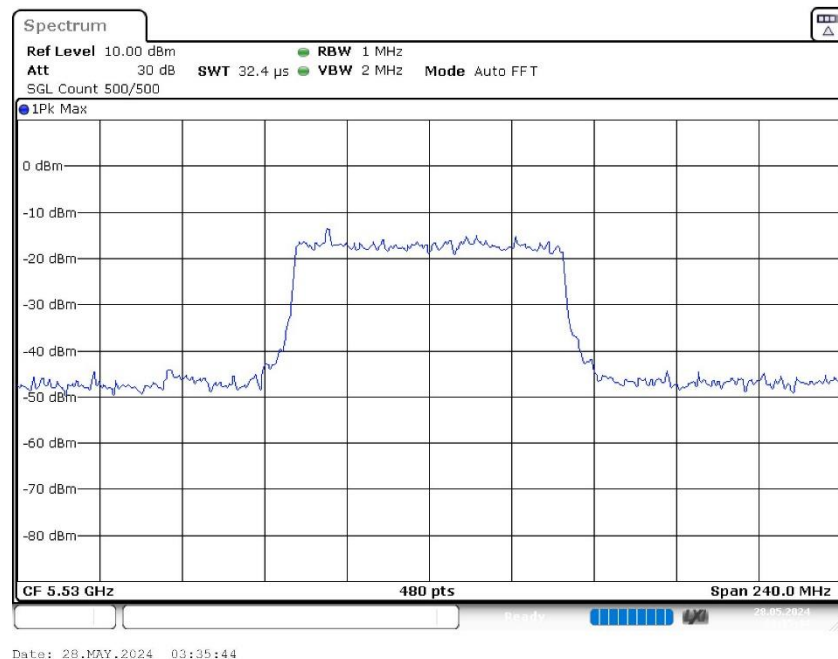
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	86.500000	---	---	5487.250000	5573.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5530.000000	3.7	PASS



Bandwidth



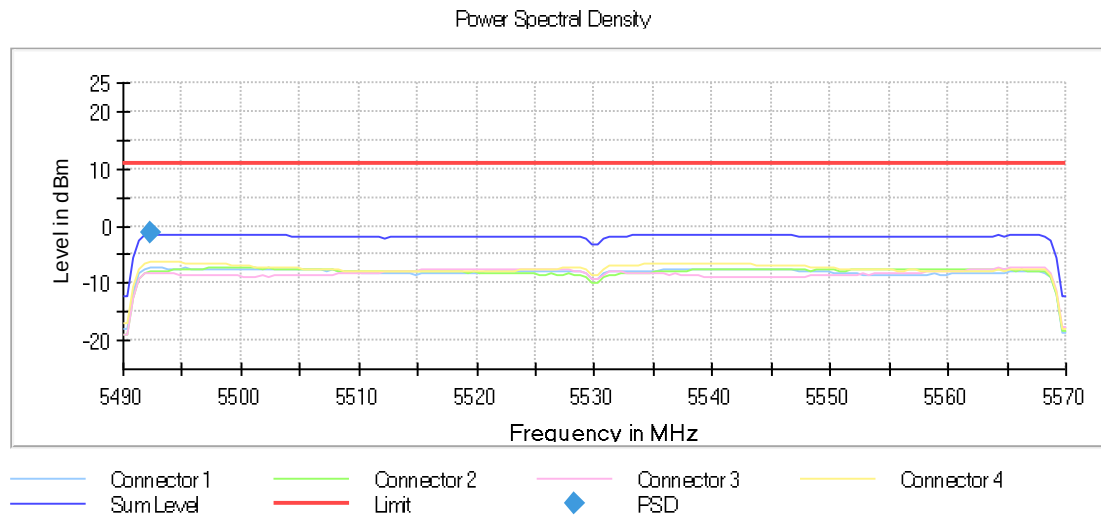
Power Spectral Density (5530 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5530.000000	5492.250000	-1.341	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



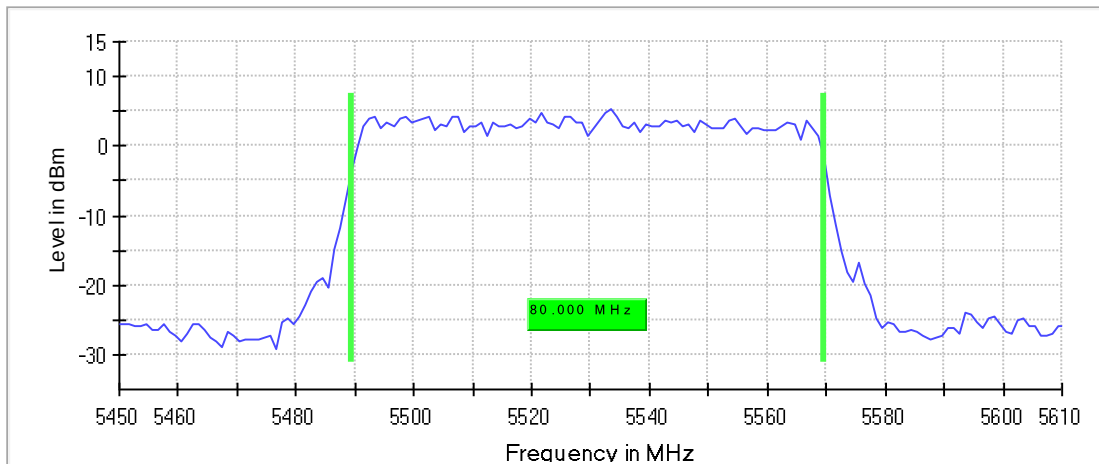
Occupied Channel Bandwidth 99% (5530 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

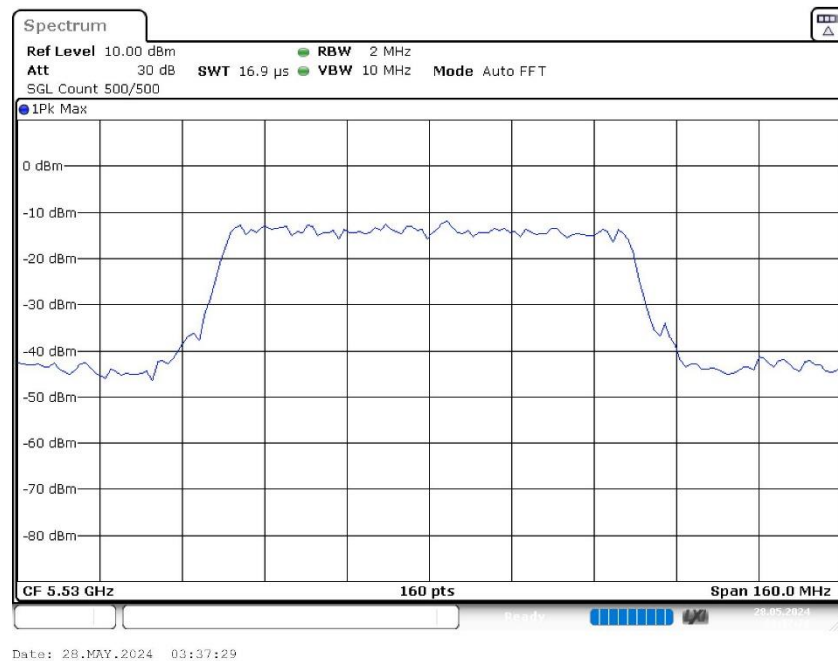
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	80.000000	---	---	5489.500000	5569.500000

DUT Frequency (MHz)	Result
5530.000000	PASS

99 %Bandwidth



Bandwidth



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	2.000 MHz	>= 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
Sweptime	16.875 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

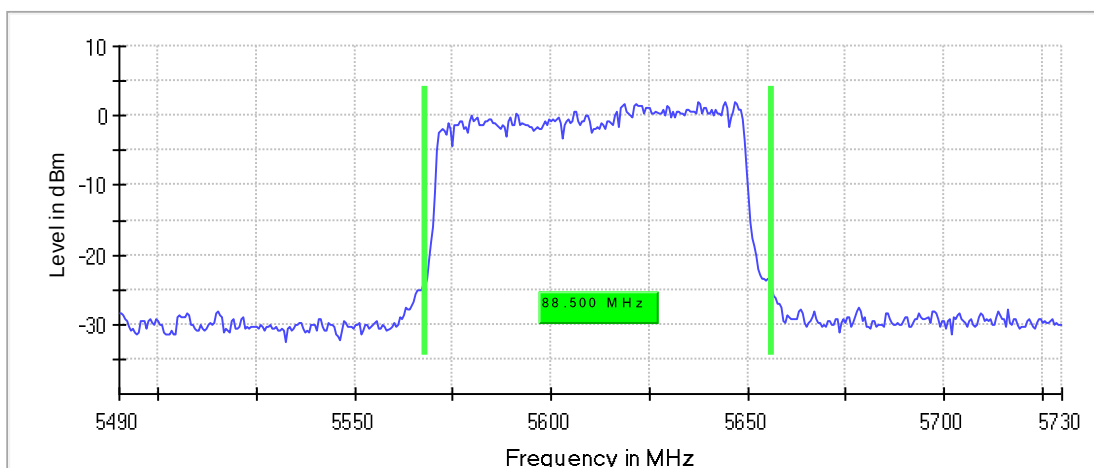
Emission Bandwidth 26 dB (5610 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

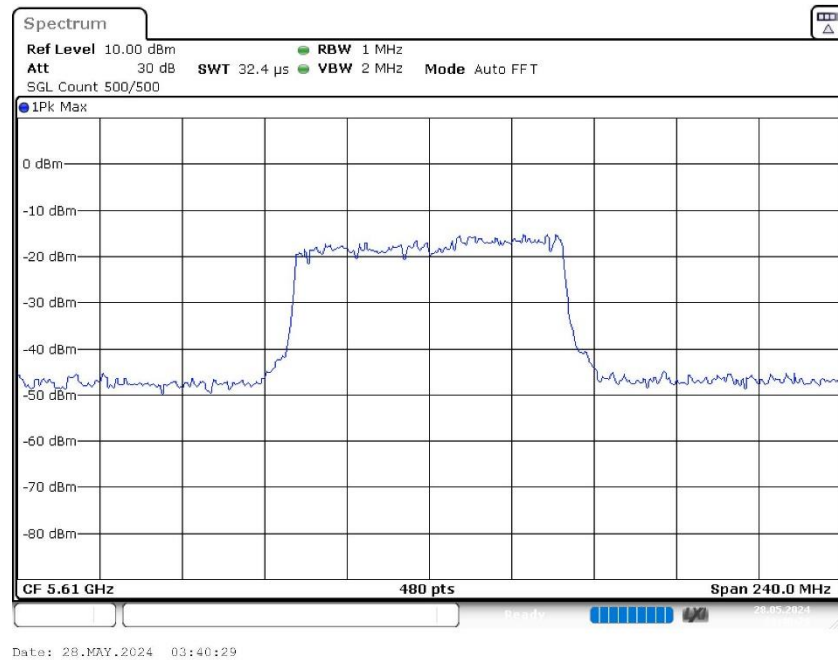
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	88.500000	---	---	5567.750000	5656.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5610.000000	2.1	PASS

26 dB Bandwidth



Bandwidth



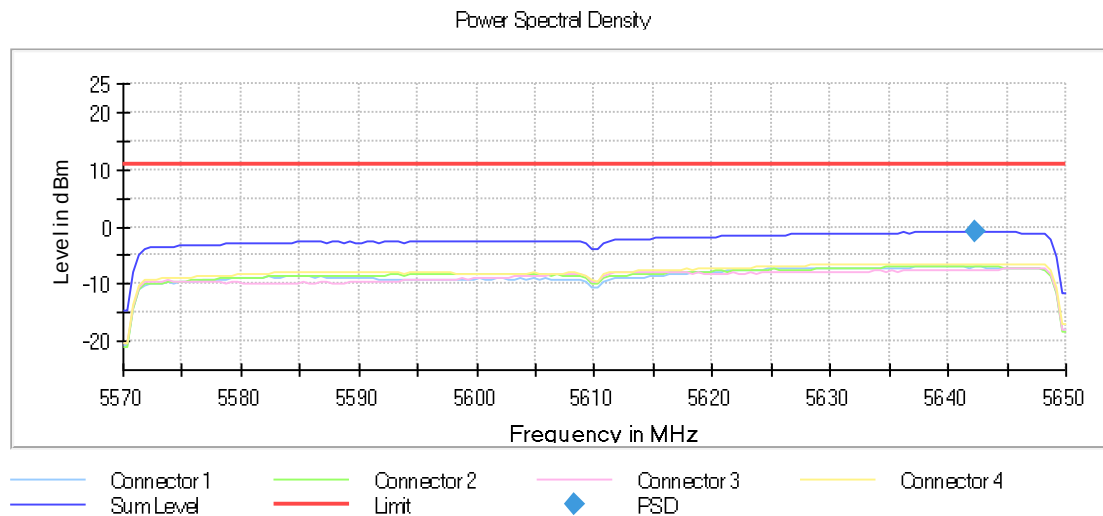
Power Spectral Density (5610 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5610.000000	5642.250000	-0.906	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

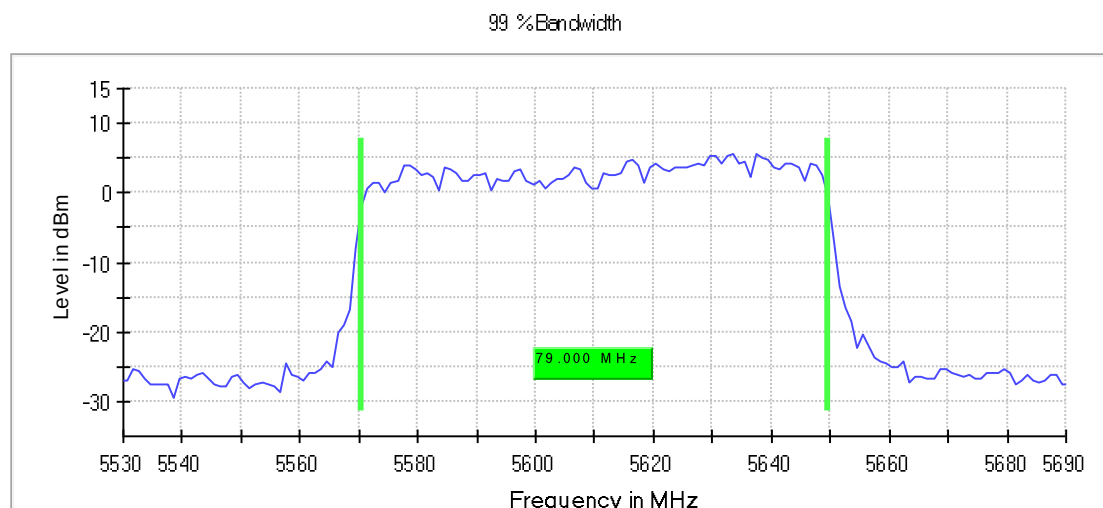


Occupied Channel Bandwidth 99% (5610 MHz; 24.000 dBm; 80 MHz)

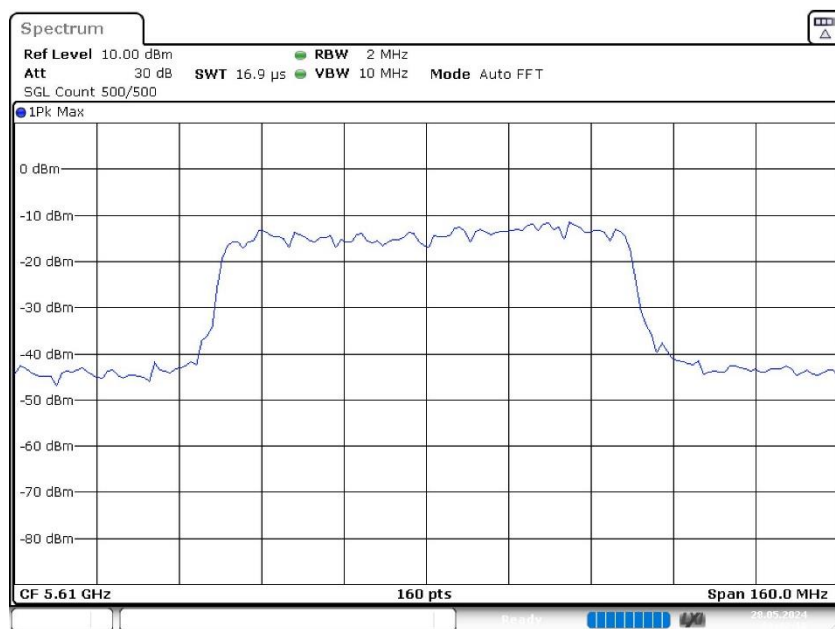
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	79.000000	---	---	5570.500000	5649.500000

DUT Frequency (MHz)	Result
5610.000000	PASS



Bandwidth



Measurement

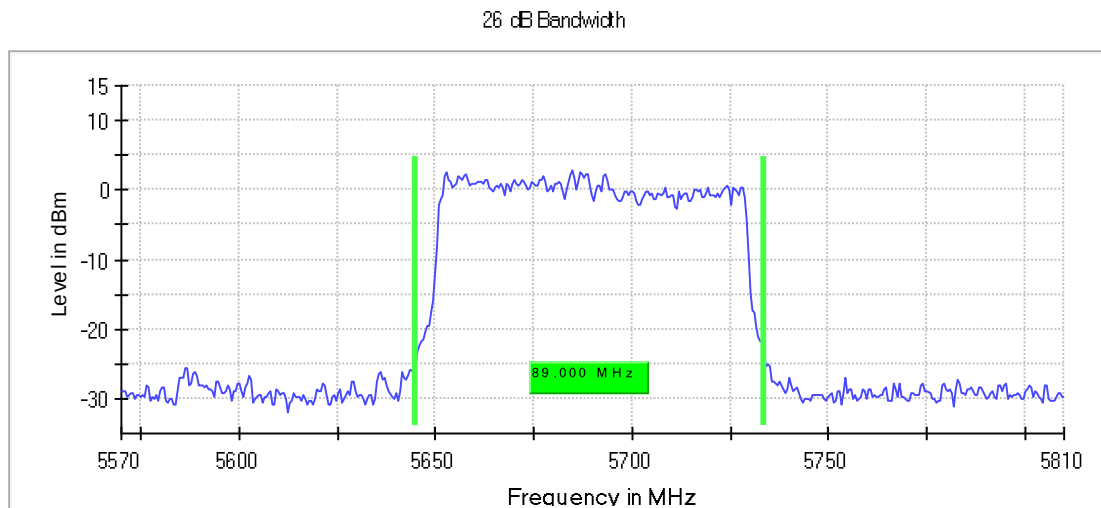
Setting	Instrument Value	Target Value
Start Frequency	5.53000 GHz	5.53000 GHz
Stop Frequency	5.69000 GHz	5.69000 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	≥ 2.000 MHz
VBW	10.000 MHz	≥ 6.000 MHz
SweepPoints	160	~ 160
SweepTime	16.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Emission Bandwidth 26 dB (5690 MHz; 24.000 dBm; 80 MHz)

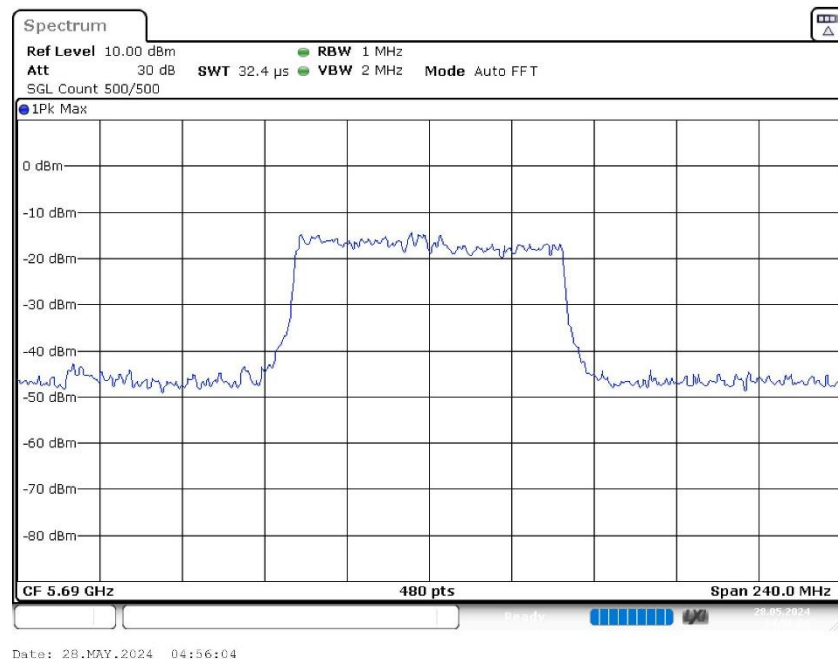
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	89.000000	80.250000	8.750000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5690.000000	5644.750000	5733.750000	2.9	PASS



Bandwidth



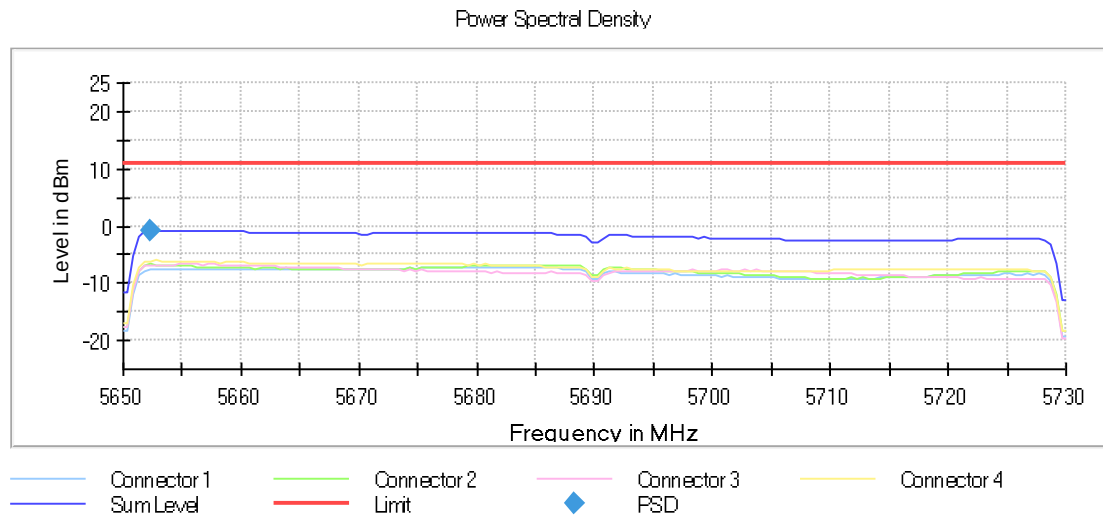
Power Spectral Density (5690 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5690.000000	5652.250000	-0.731	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



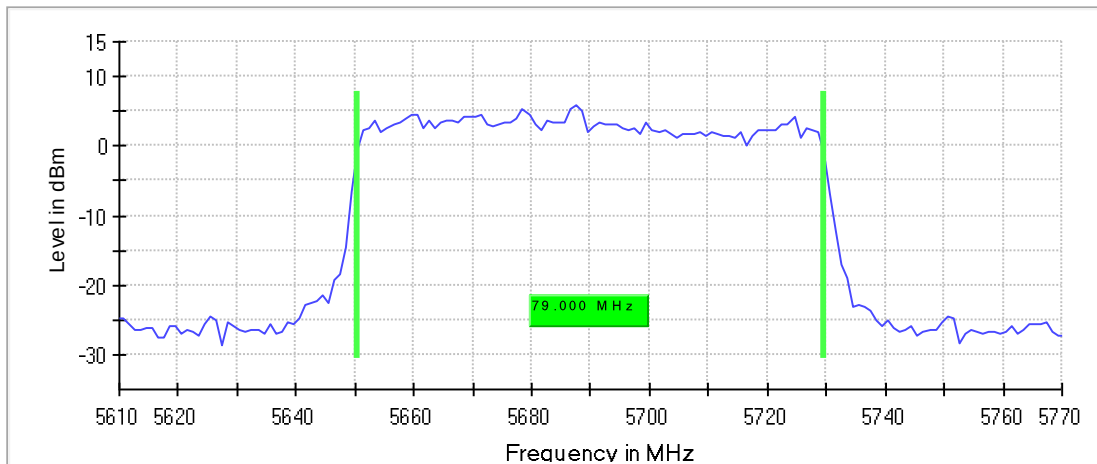
Occupied Channel Bandwidth 99% (5690 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

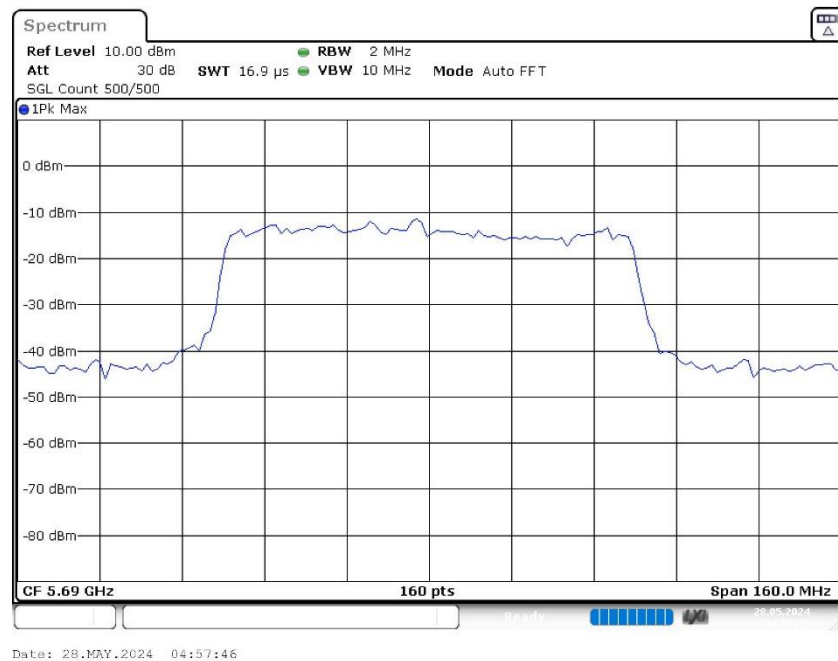
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	79.000000	74.500000	4.500000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5690.000000	5650.500000	5729.500000	PASS

99 %Bandwidth



Bandwidth



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	2.000 MHz	≥ 2.000 MHz
VBW	10.000 MHz	≥ 6.000 MHz
SweepPoints	160	~ 160
Sweptime	16.875 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
Preamplifier	off	off

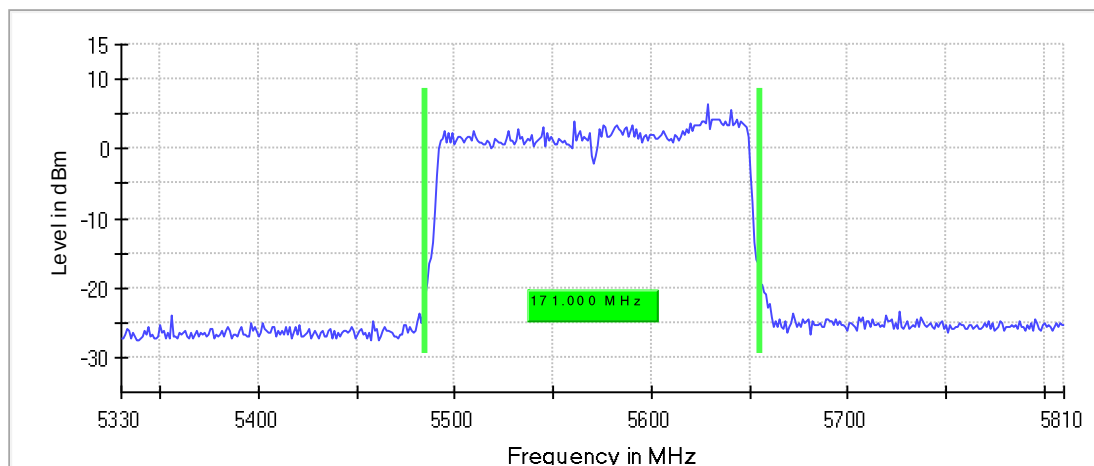
Emission Bandwidth 26 dB (5570 MHz; 24.000 dBm; 160 MHz)

26 dB Bandwidth

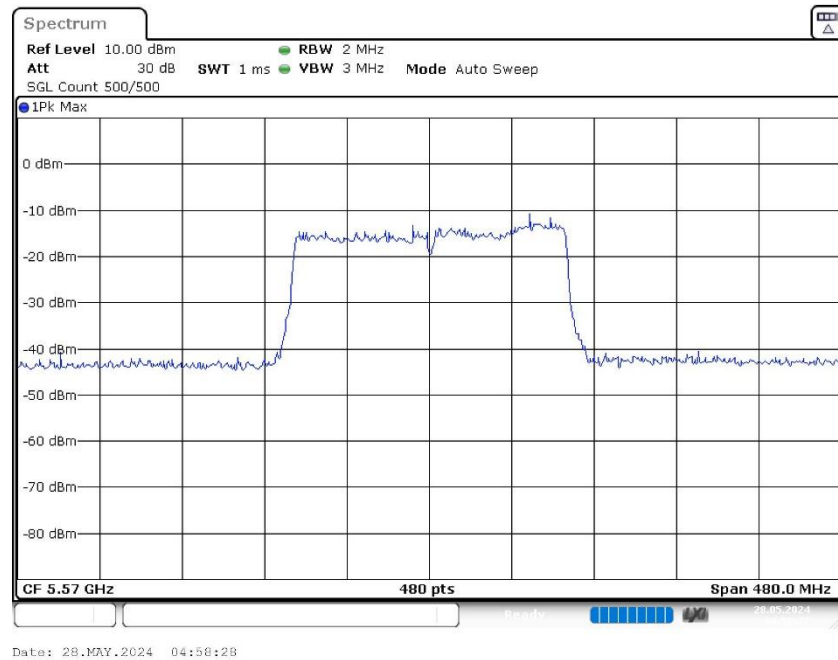
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	171.000000	171.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5570.000000	5484.500000	5655.500000	6.5	PASS

26 dB Bandwidth



Bandwidth



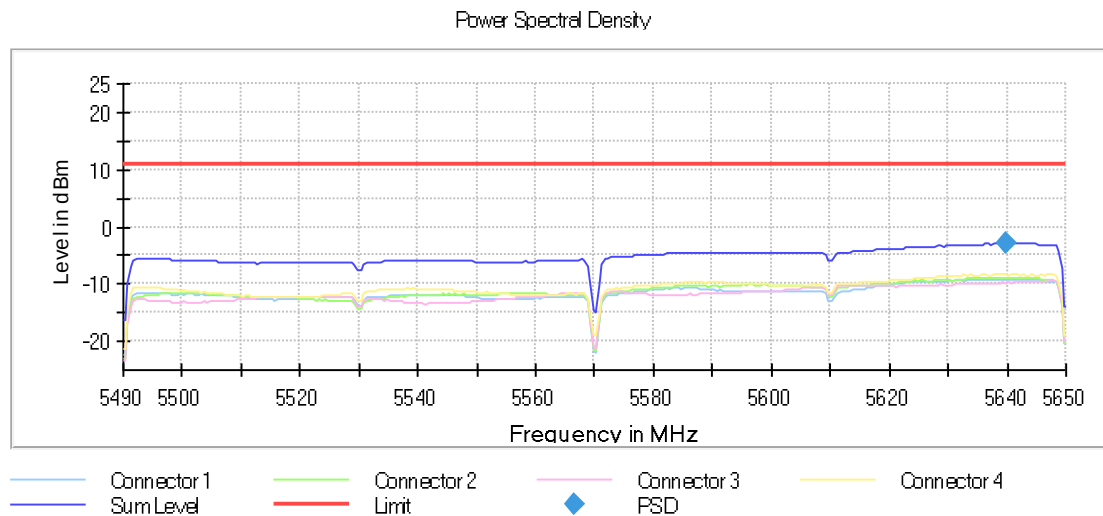
Power Spectral Density (5570 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5570.000000	5639.750000	-2.928	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

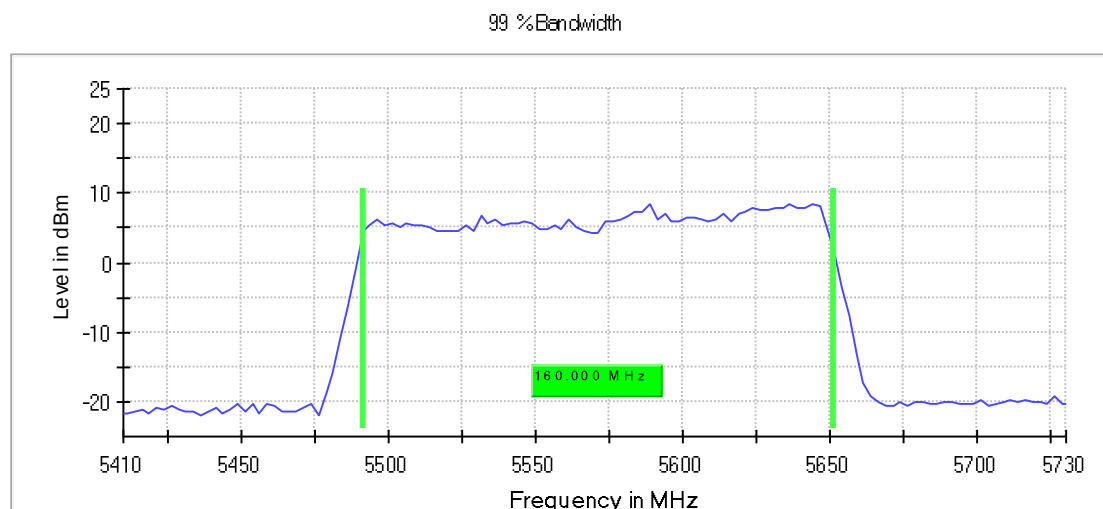


Occupied Channel Bandwidth 99% (5570 MHz; 24.000 dBm; 160 MHz)

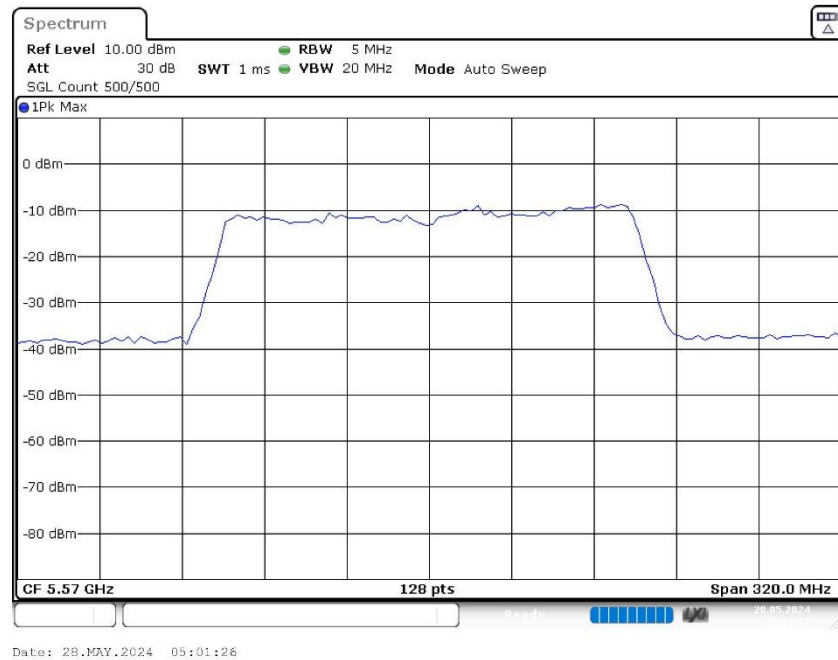
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	160.000000	160.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5570.000000	5491.250000	5651.250000	PASS



Bandwidth



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	5.000 MHz	>= 4.000 MHz
VBW	20.000 MHz	>= 15.000 MHz
SweepPoints	128	~ 128
SweepTime	1.000 ms	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	Sweep	AUTO
Preamp	off	off

-- End of Report --