

UF-WiFi6 UNII-2c Annex

Summary

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
Occupied Channel Bandwidth 99%	5600.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	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
Occupied Channel Bandwidth 99%	5510.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	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
Occupied Channel Bandwidth 99%	5710.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	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
Occupied Channel Bandwidth 99%	5610.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5690.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5690.000	24.0	80.000000	PASS

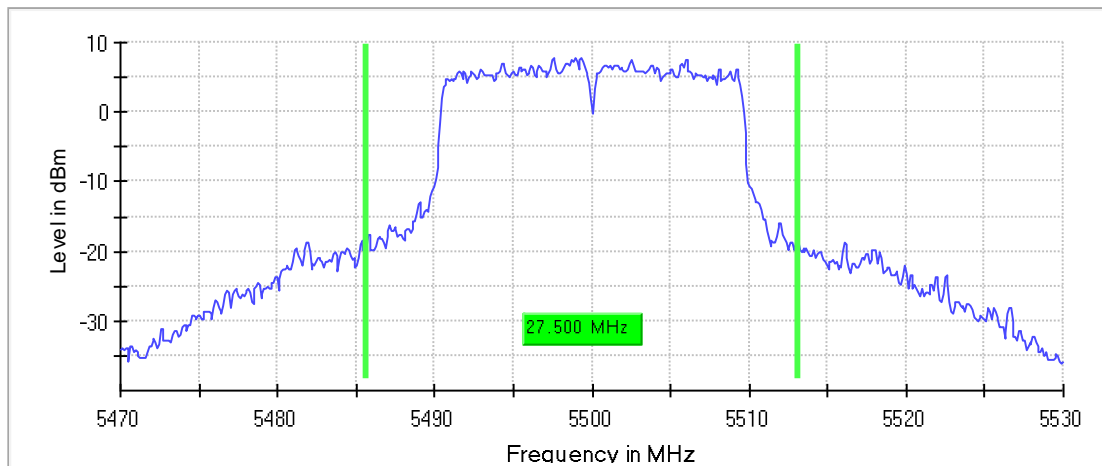
Emission Bandwidth 26 dB (5500 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

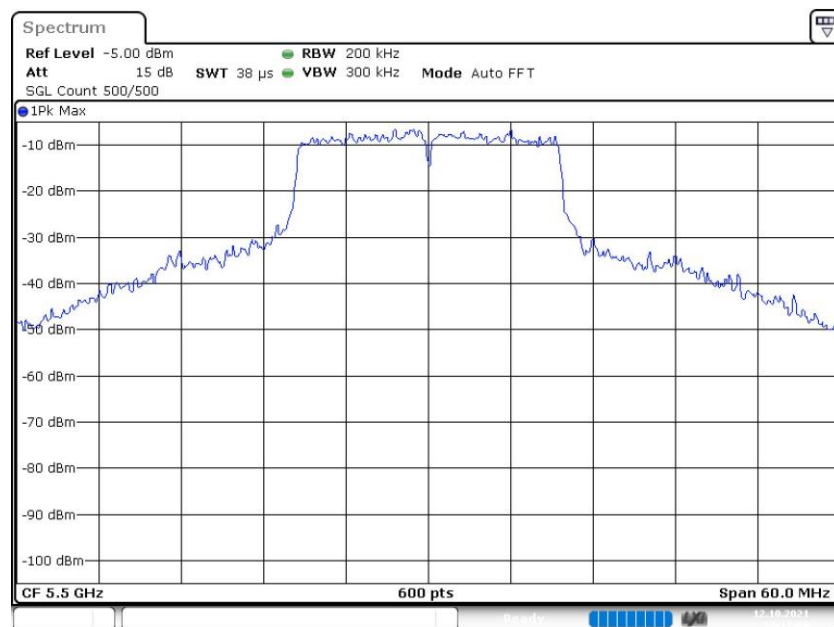
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	27.500000	---	---	5485.650000	5513.150000

DUT Frequency (MHz)	Max Level (dBm)	Result
5500.000000	7.8	PASS

26 dB Bandwidth



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 µs	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 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	24.0	24.0	24.0	98.819	PASS

OSP PowerMeter settings

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

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

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5500.000000	5501.188119	9.215	11.0	PASS

Ports

Port	State
1	used
2	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	20.000 dBm	20.000 dBm
Attenuation	40.000 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

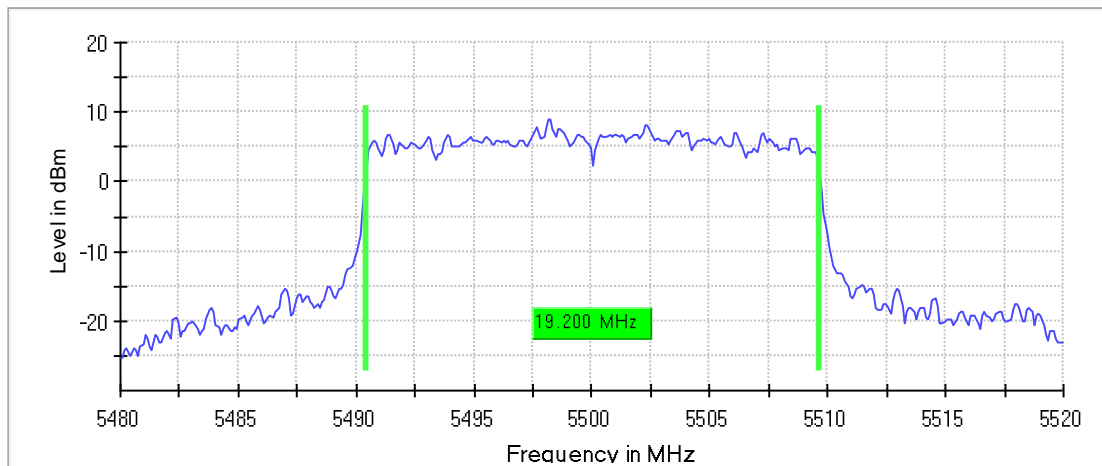
Occupied Channel Bandwidth 99% (5500 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

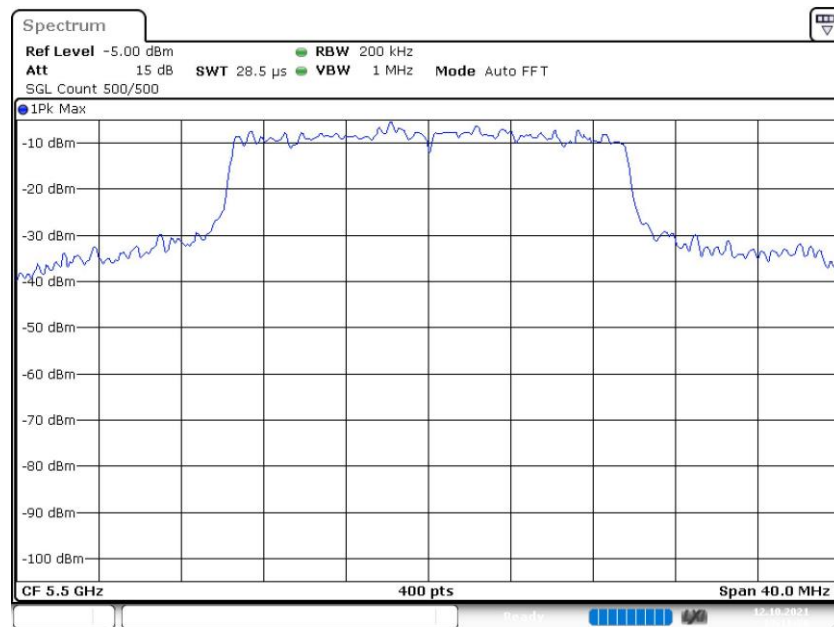
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	19.200000	---	---	5490.450000	5509.650000

DUT Frequency (MHz)	Result
5500.000000	PASS

99 % Bandwidth



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	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	28.477 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 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

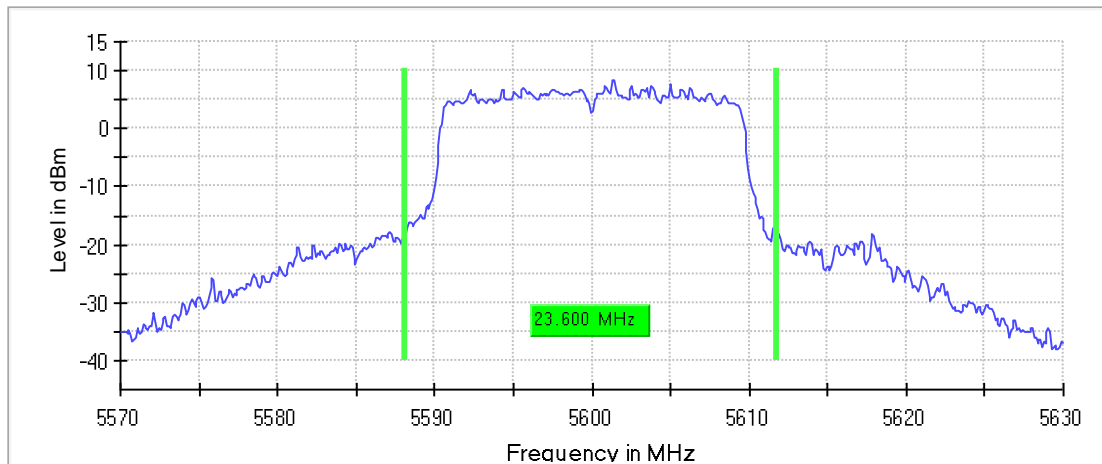
Emission Bandwidth 26 dB (5600 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

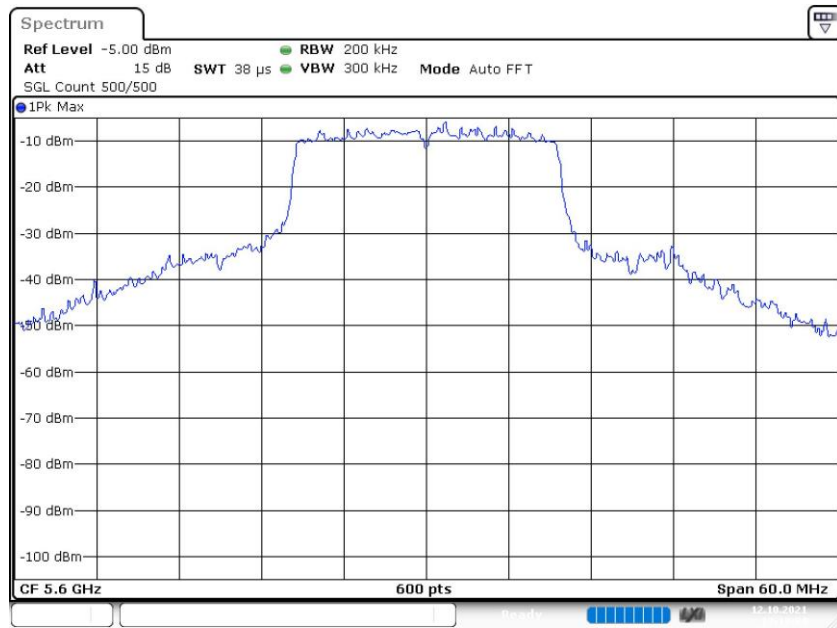
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	23.600000	---	---	5588.150000	5611.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	8.5	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:13:34

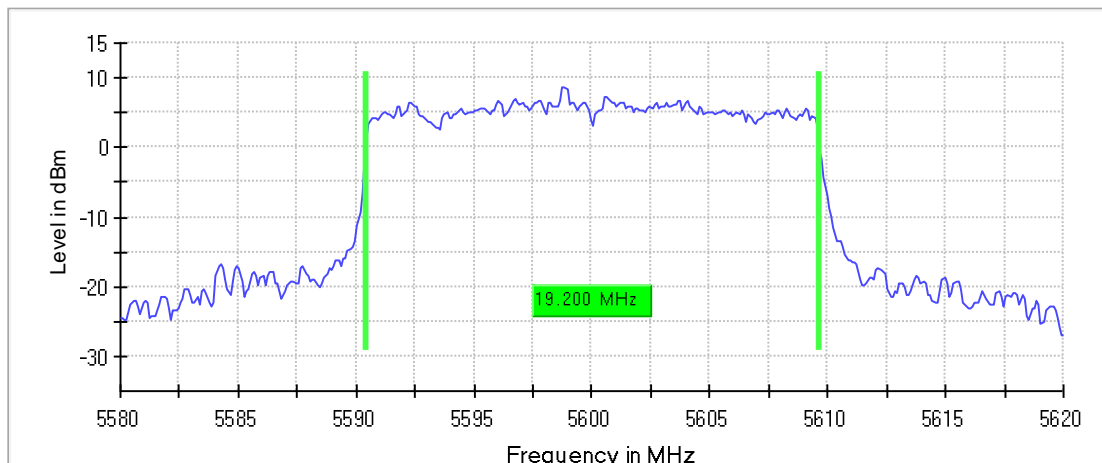
Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

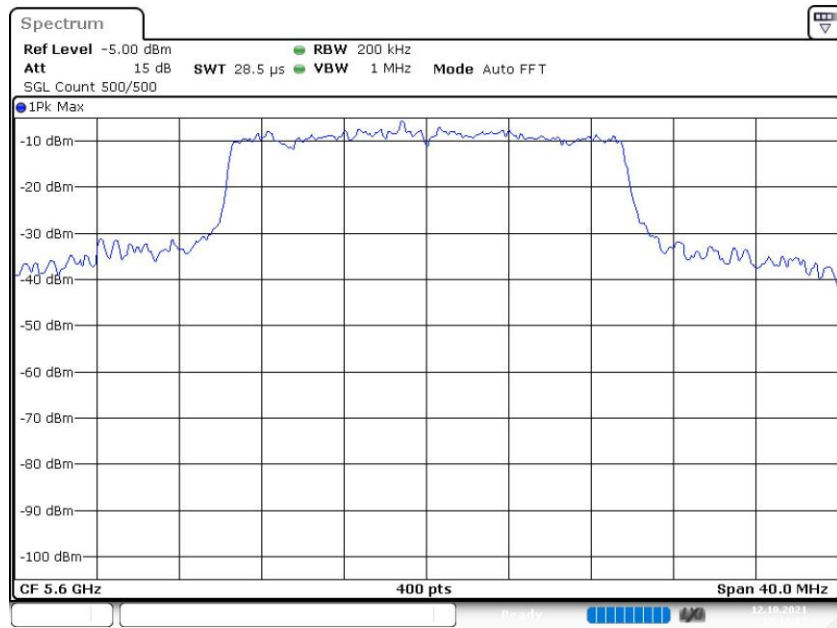
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	19.200000	---	---	5590.450000	5609.650000

DUT Frequency (MHz)	Result
5600.000000	PASS

99 %Bandwidth



Bandwidth



Date: 12.OCT.2021 13:14:26

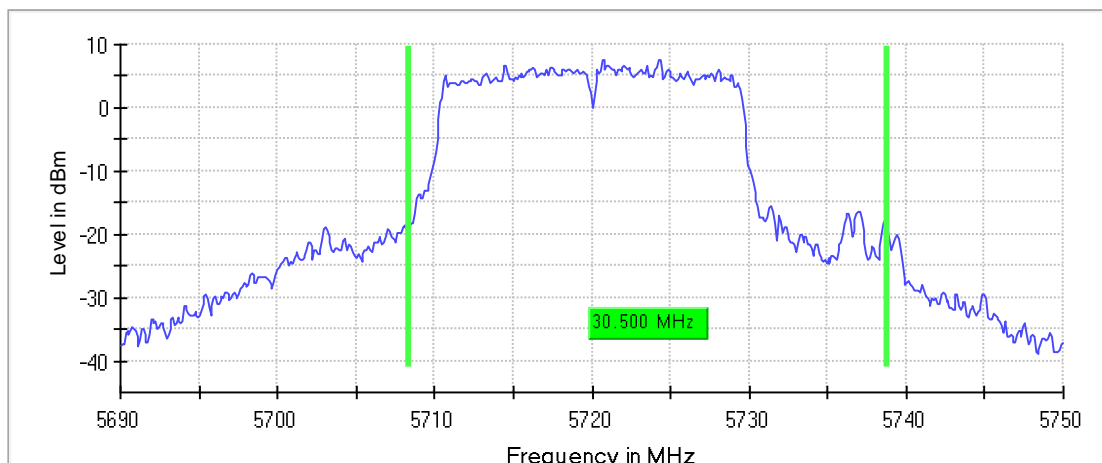
Emission Bandwidth 26 dB (5720 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

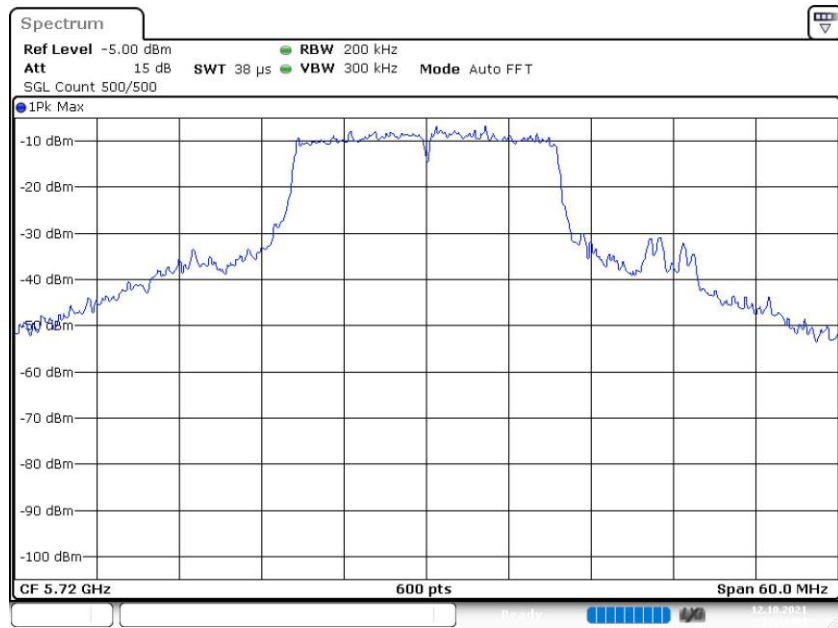
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	30.500000	16.650000	13.850000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5720.000000	5708.350000	5738.850000	7.6	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:16:04

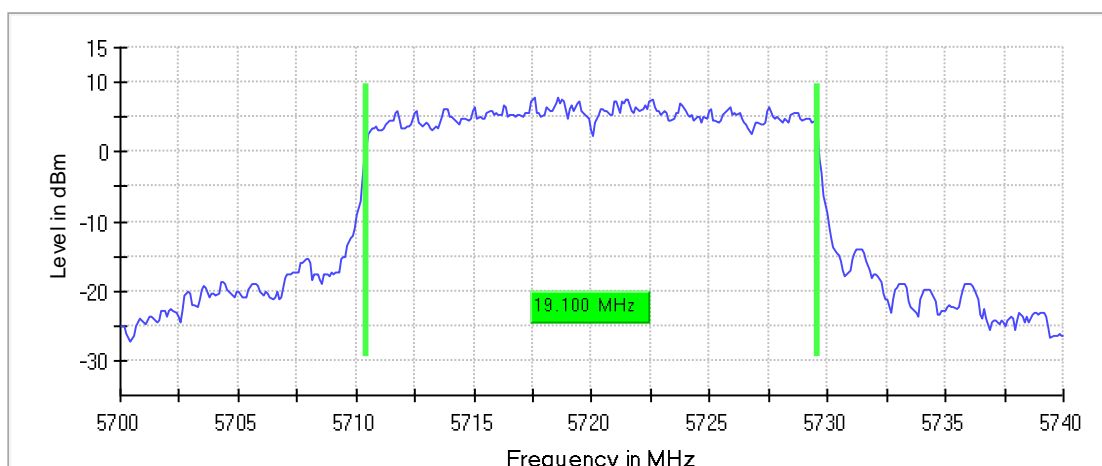
Occupied Channel Bandwidth 99% (5720 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

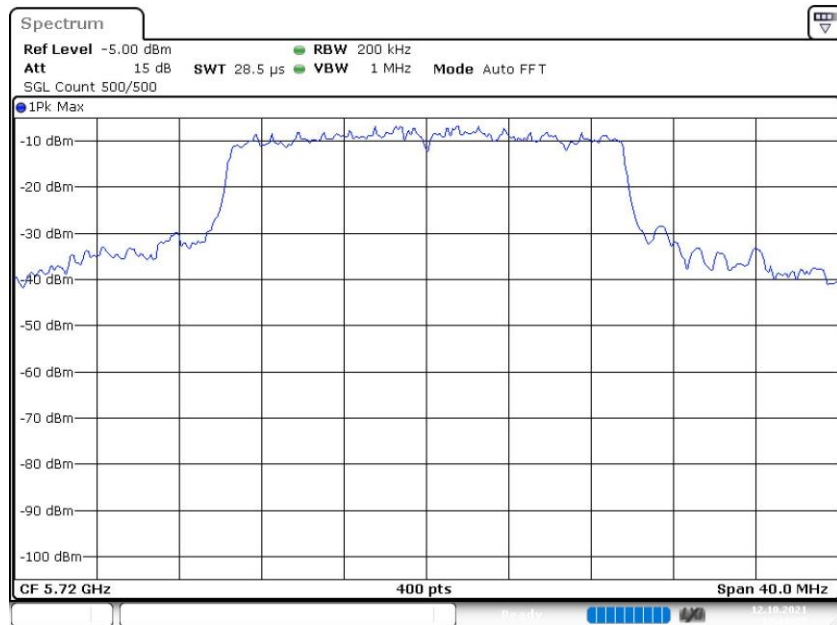
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	19.100000	14.550000	4.550000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5720.000000	5710.450000	5729.550000	PASS

99 %Bandwidth



Bandwidth



Date: 12.OCT.2021 13:16:55

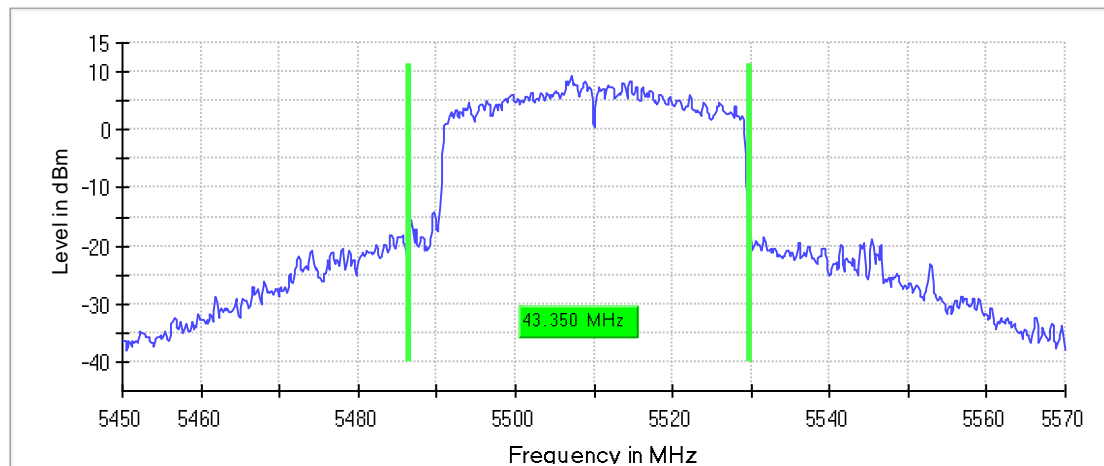
Emission Bandwidth 26 dB (5510 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

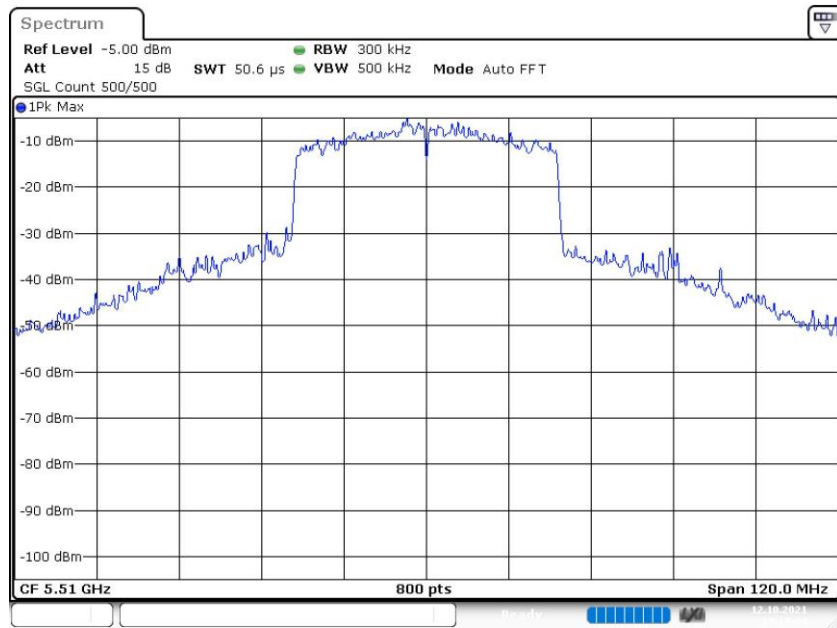
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	43.350000	---	---	5486.525000	5529.875000

DUT Frequency (MHz)	Max Level (dBm)	Result
5510.000000	9.4	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:18:05

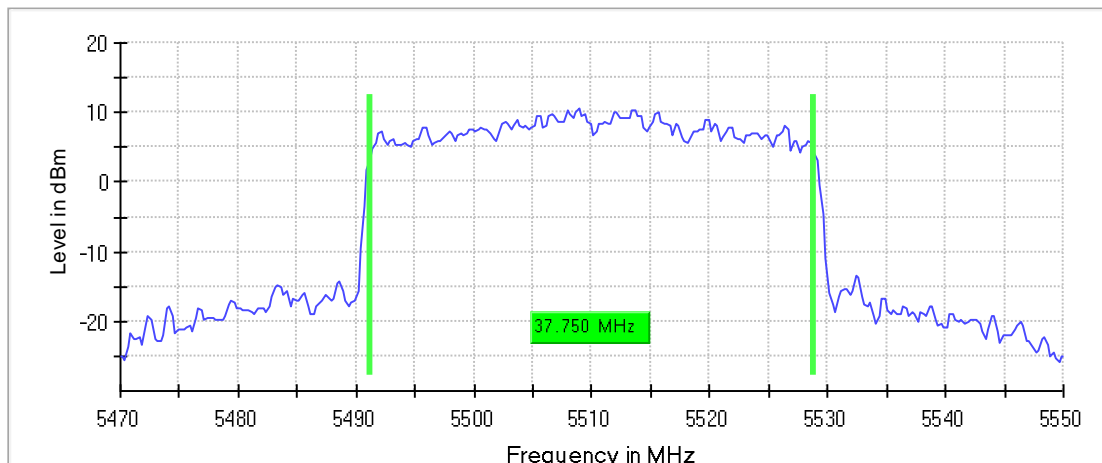
Occupied Channel Bandwidth 99% (5510 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

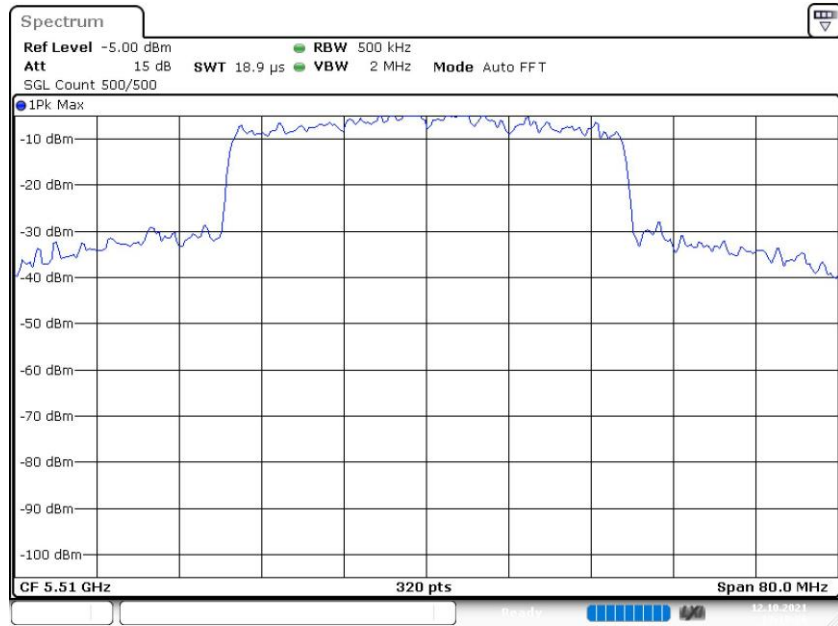
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	37.750000	---	---	5491.125000	5528.875000

DUT Frequency (MHz)	Result
5510.000000	PASS

99 %Bandwidth



Bandwidth



Date: 12.OCT.2021 13:18:57

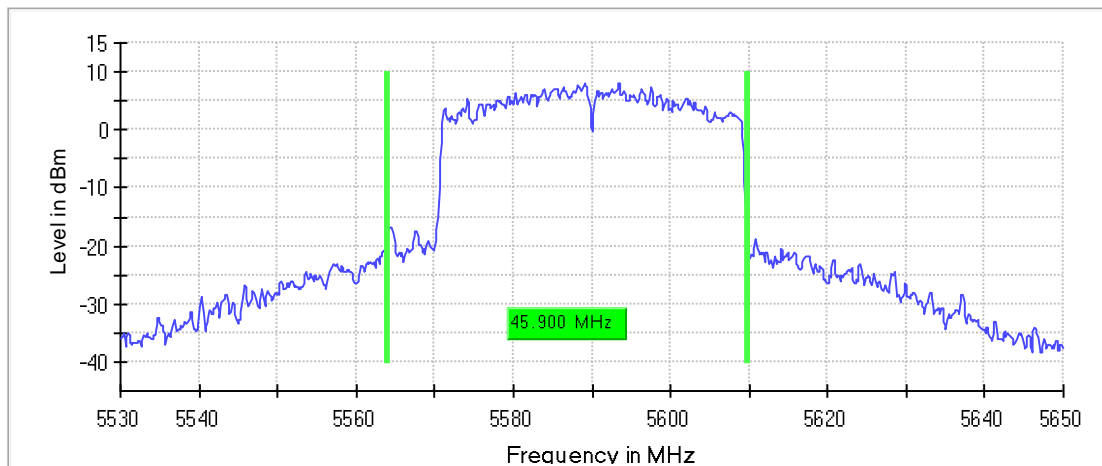
Emission Bandwidth 26 dB (5590 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

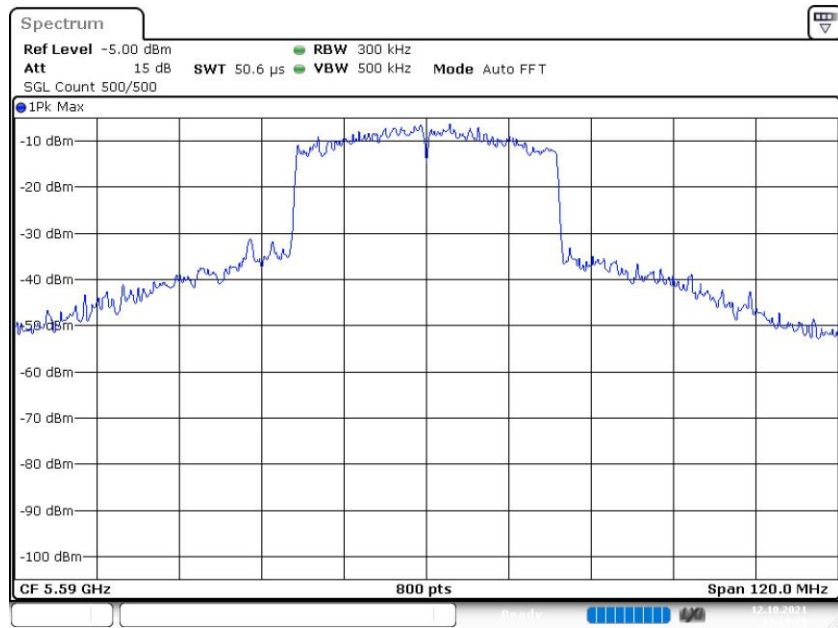
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	45.900000	---	---	5563.975000	5609.875000

DUT Frequency (MHz)	Max Level (dBm)	Result
5590.000000	8.0	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:19:30

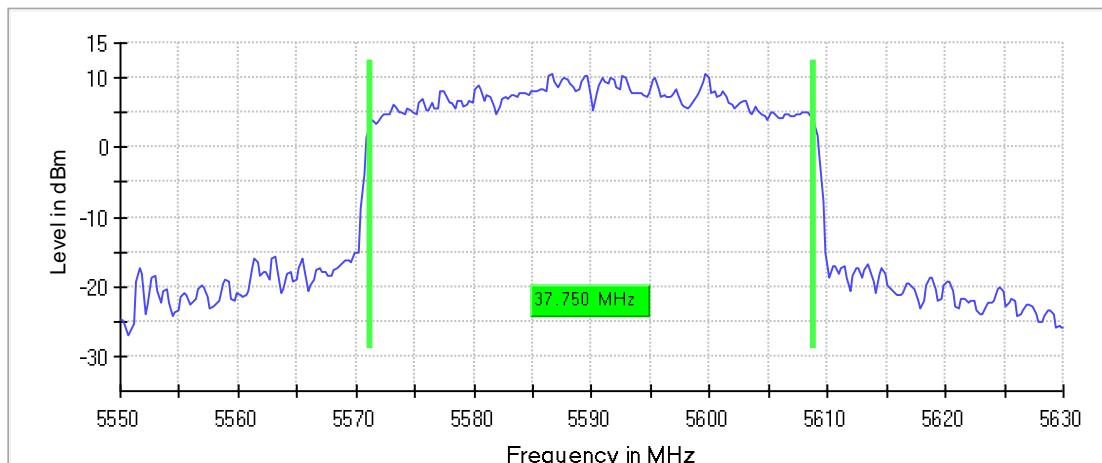
Occupied Channel Bandwidth 99% (5590 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

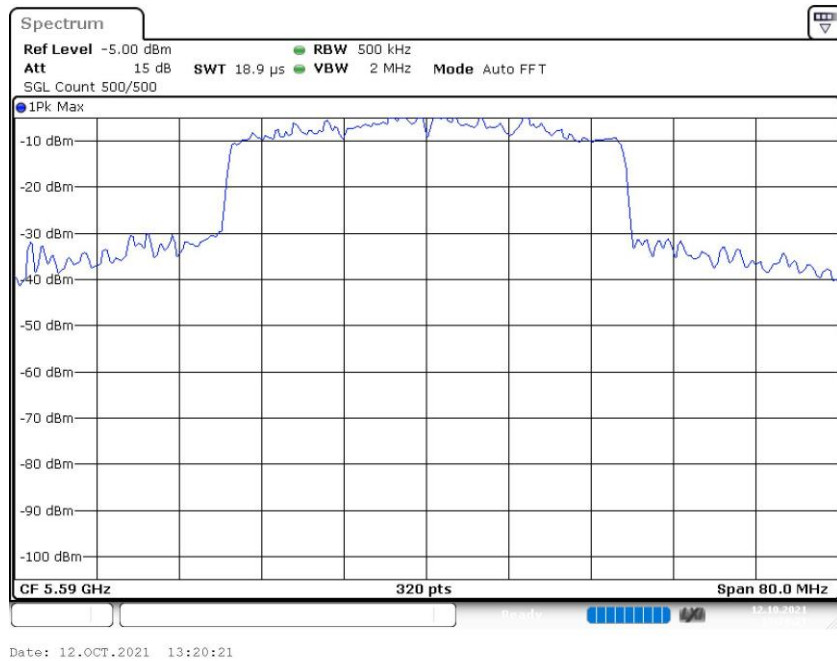
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	37.750000	---	---	5571.125000	5608.875000

DUT Frequency (MHz)	Result
5590.000000	PASS

99 %Bandwidth



Bandwidth



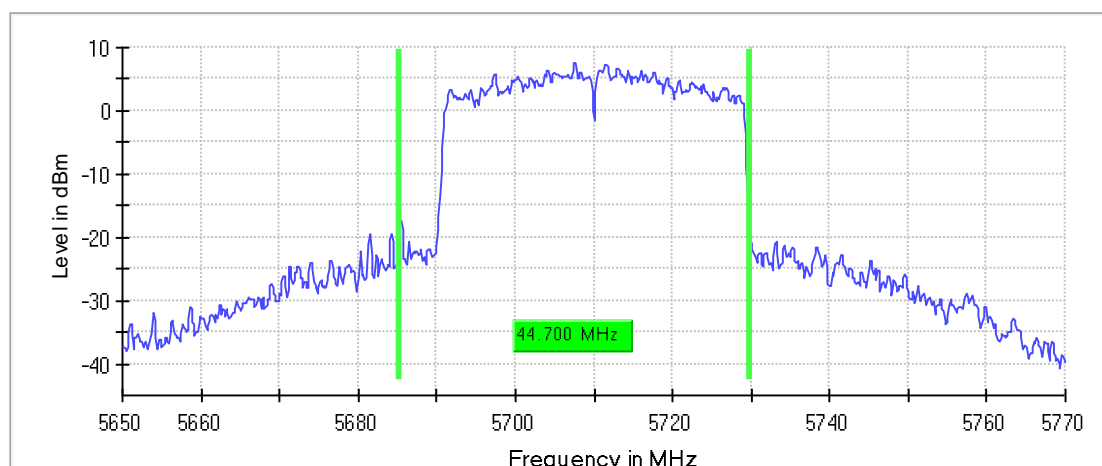
Emission Bandwidth 26 dB (5710 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

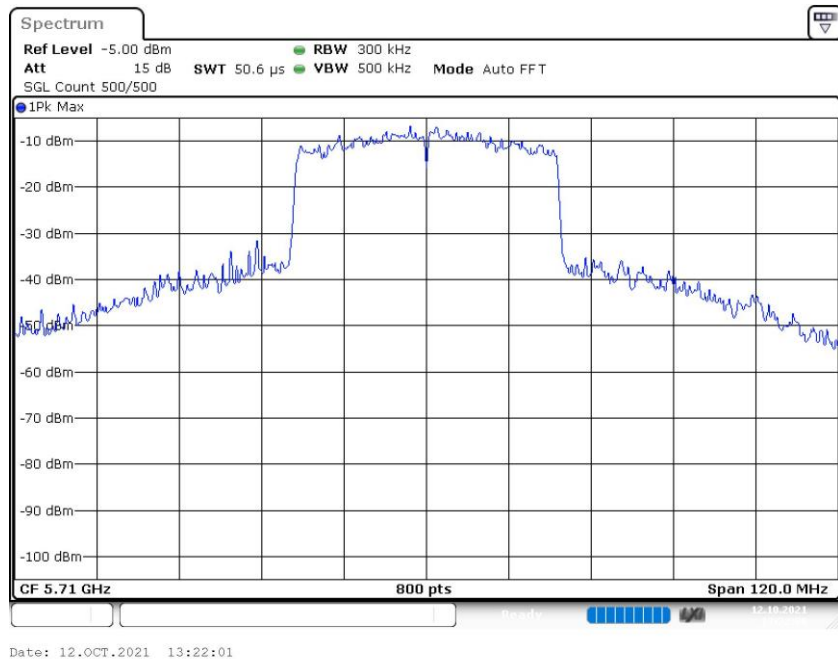
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	44.700000	39.825000	4.875000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5710.000000	5685.175000	5729.875000	7.7	PASS

26 dB Bandwidth



Bandwidth



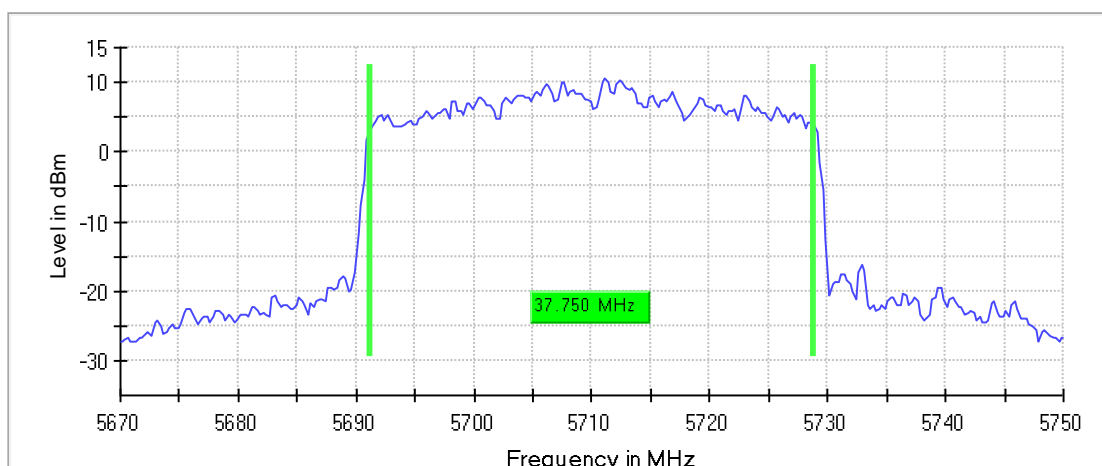
Occupied Channel Bandwidth 99% (5710 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

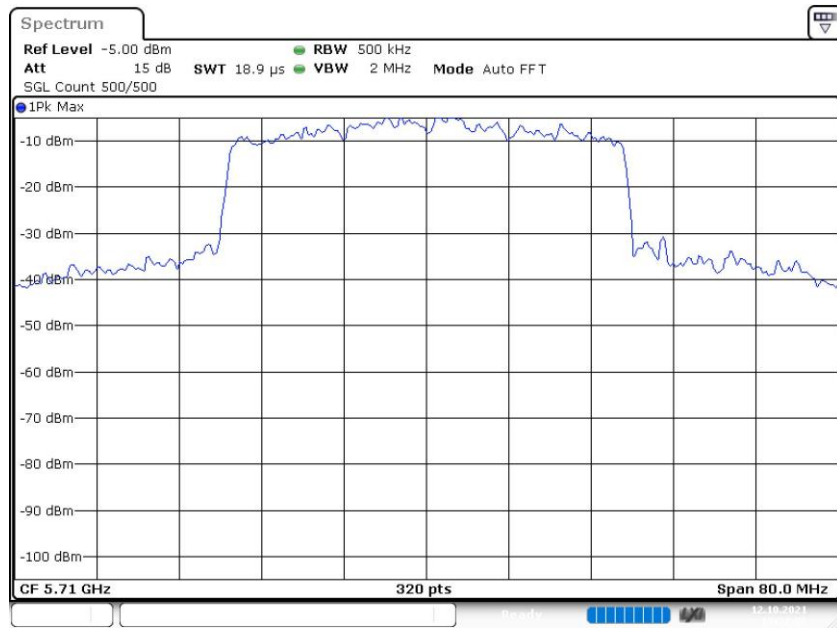
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	37.750000	33.875000	3.875000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5710.000000	5691.125000	5728.875000	PASS

99 %Bandwidth



Bandwidth



Date: 12.OCT.2021 13:22:52

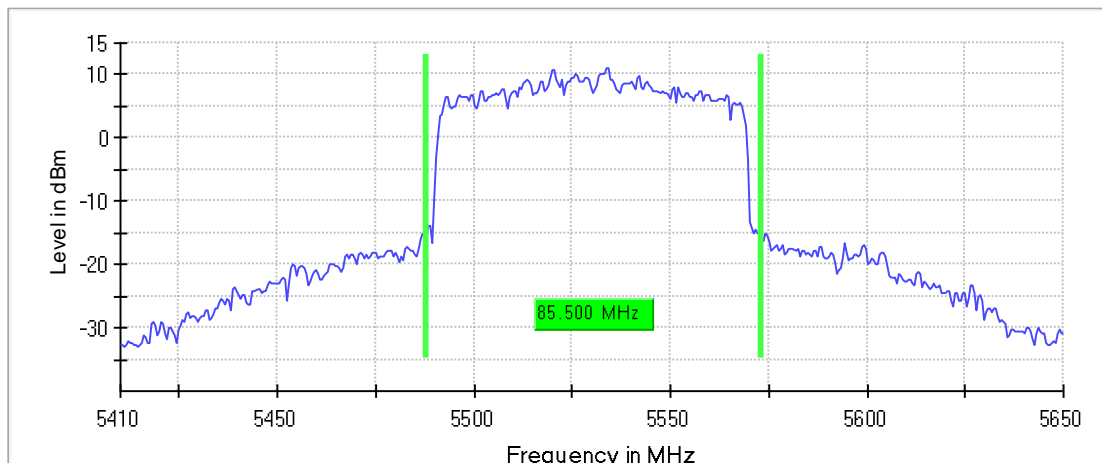
Emission Bandwidth 26 dB (5530 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

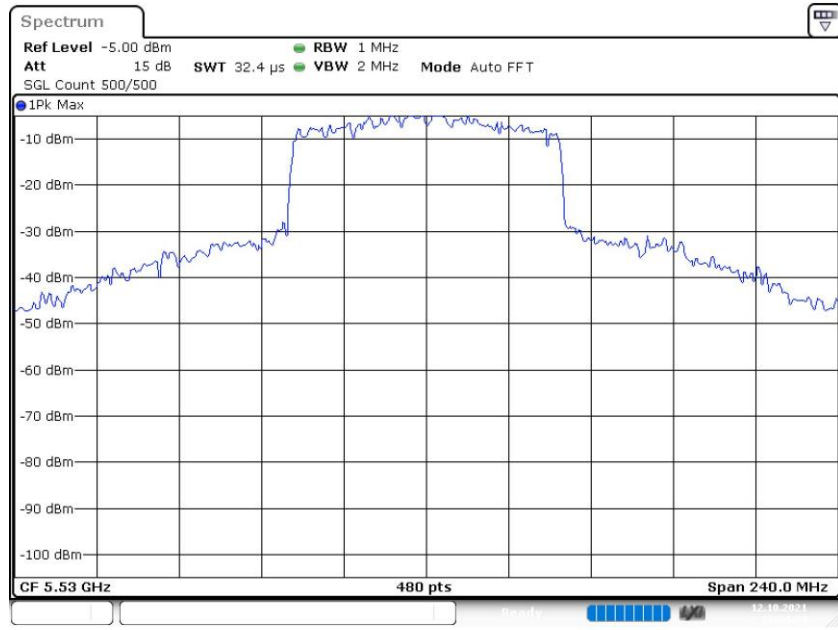
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	85.500000	---	---	5487.750000	5573.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5530.000000	11.1	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:24:25

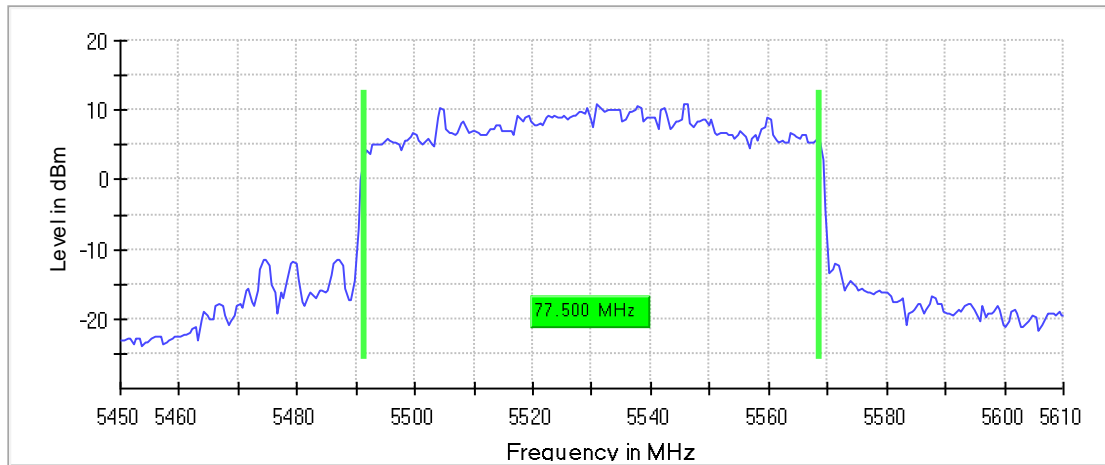
Occupied Channel Bandwidth 99% (5530 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

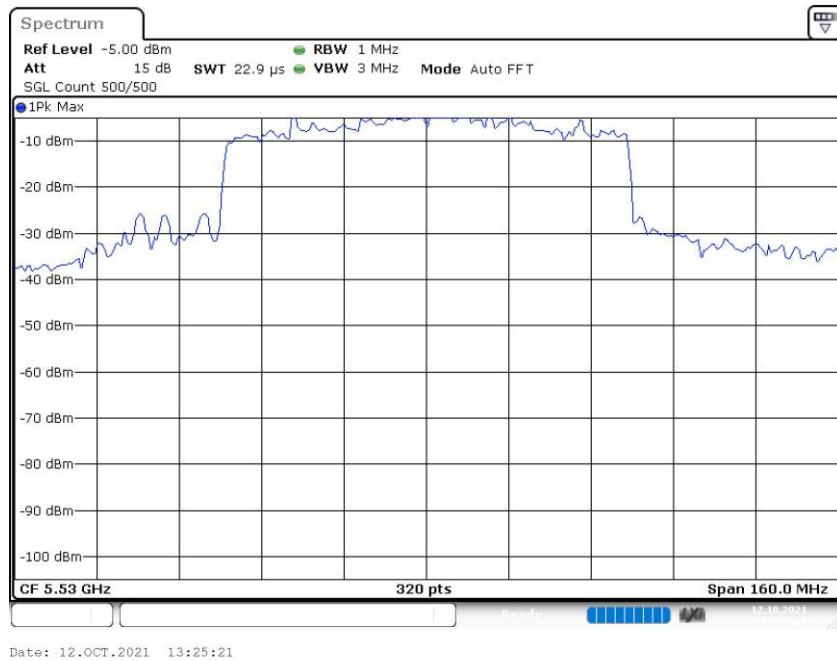
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	77.500000	---	---	5491.250000	5568.750000

DUT Frequency (MHz)	Result
5530.000000	PASS

99 %Bandwidth



Bandwidth



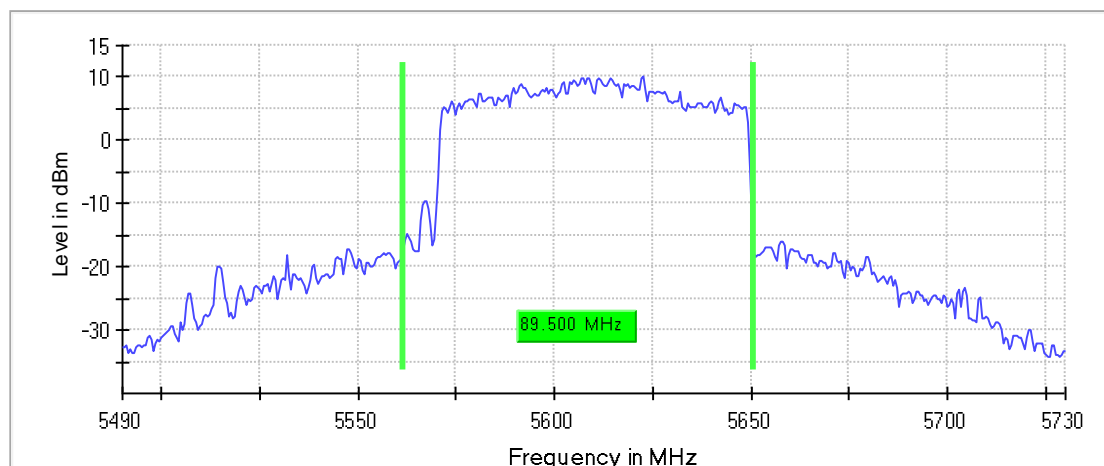
Emission Bandwidth 26 dB (5610 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

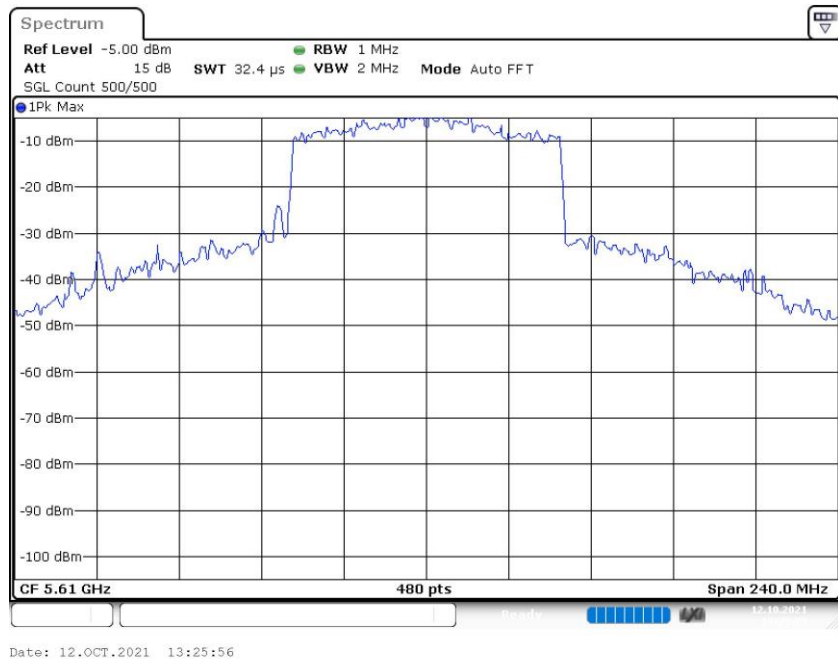
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	89.500000	---	---	5561.250000	5650.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5610.000000	10.1	PASS

26 dB Bandwidth



Bandwidth



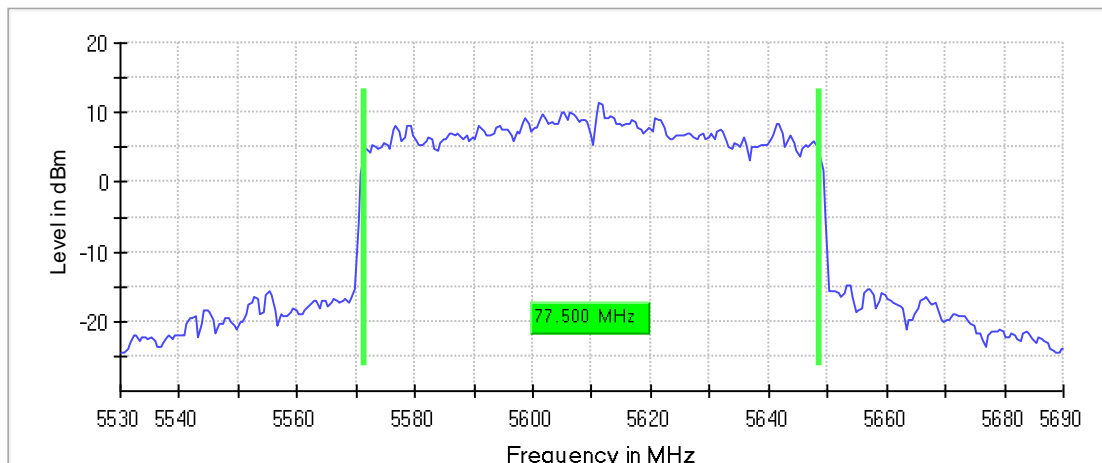
Occupied Channel Bandwidth 99% (5610 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

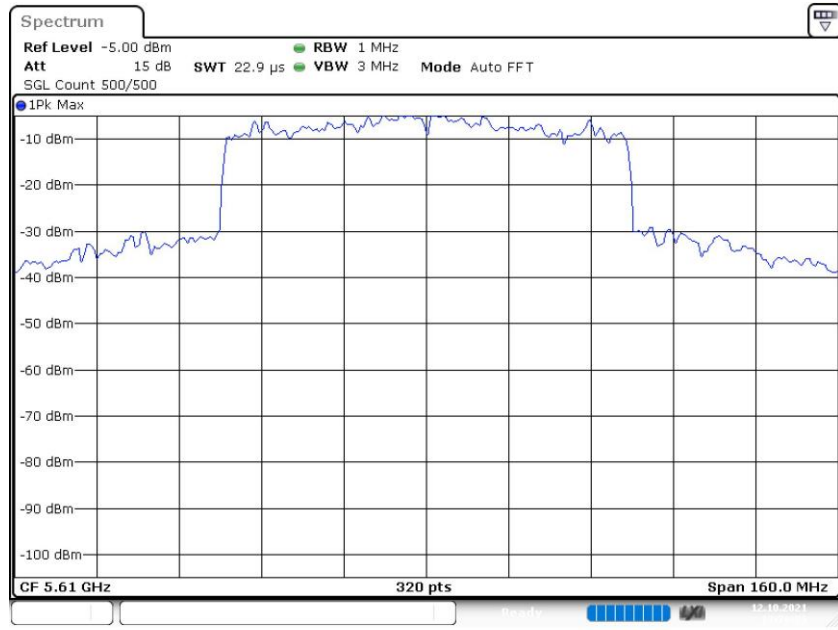
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	77.500000	---	---	5571.250000	5648.750000

DUT Frequency (MHz)	Result
5610.000000	PASS

99 %Bandwidth



Bandwidth



Date: 12.OCT.2021 13:26:53

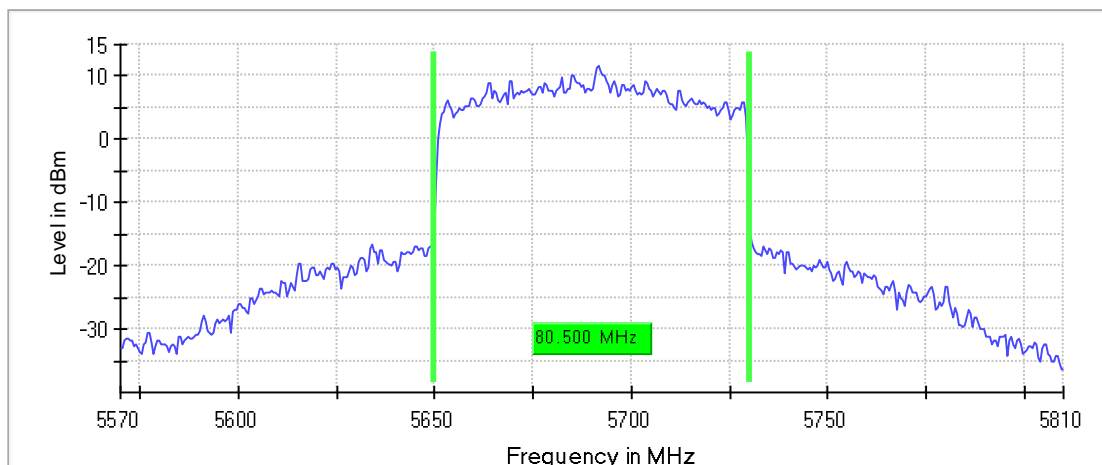
Emission Bandwidth 26 dB (5690 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

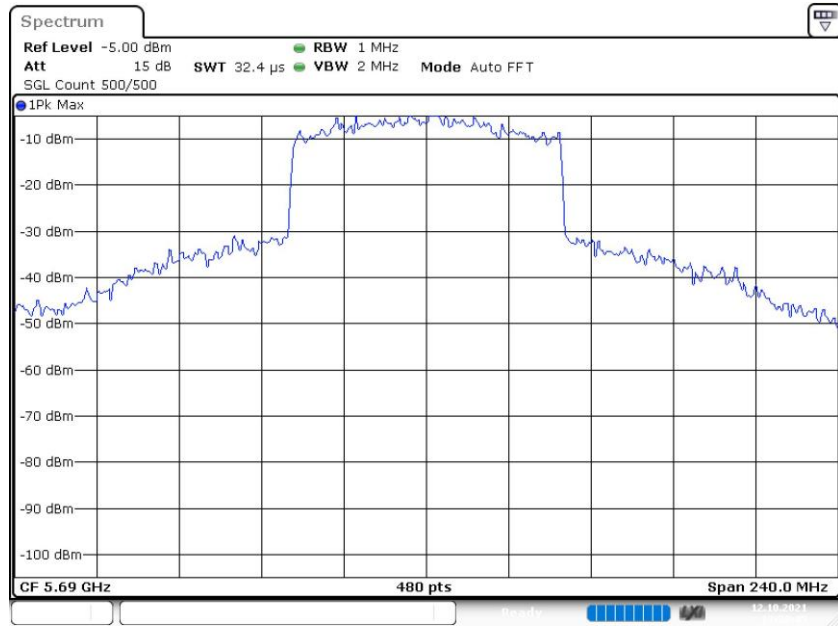
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	80.500000	75.250000	5.250000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5690.000000	5649.750000	5730.250000	11.8	PASS

26 dB Bandwidth



Bandwidth



Date: 12.OCT.2021 13:28:45

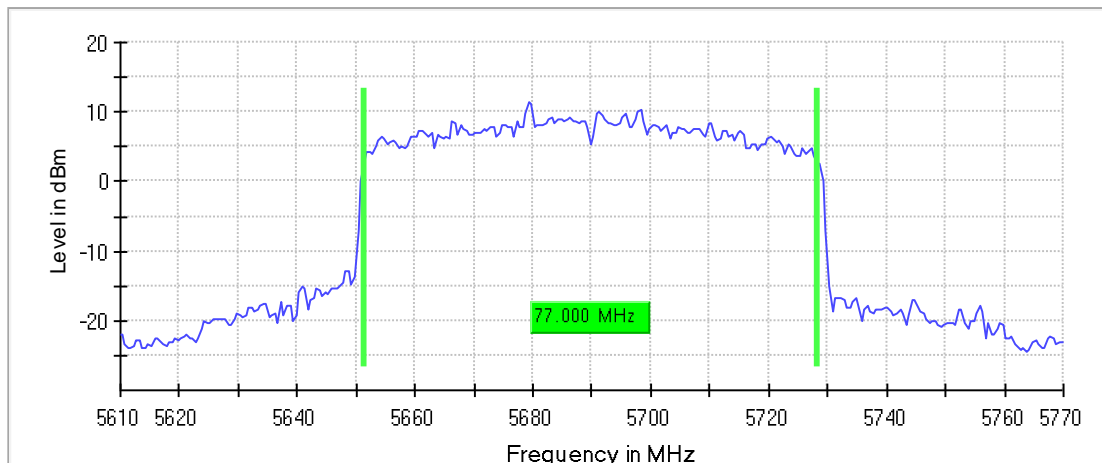
Occupied Channel Bandwidth 99% (5690 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

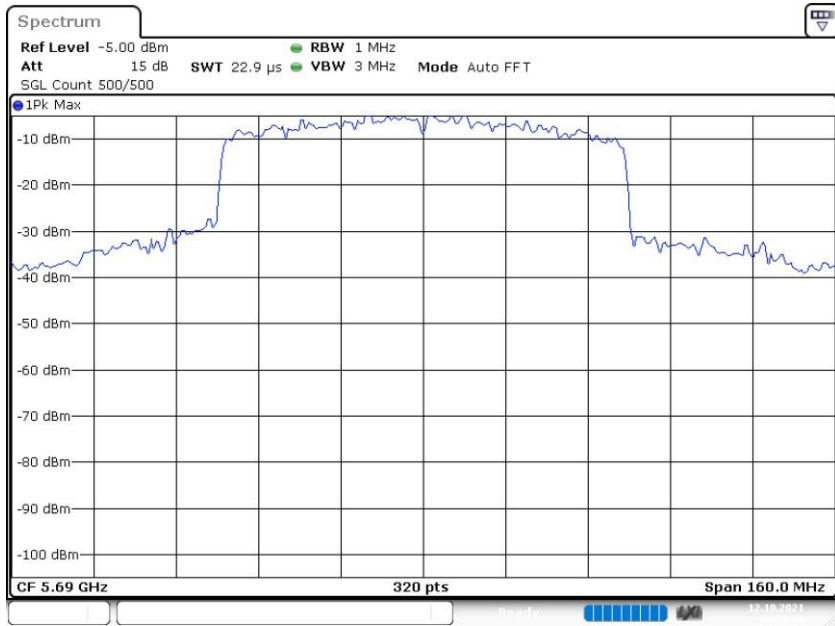
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	77.000000	73.750000	3.250000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5690.000000	5651.250000	5728.250000	PASS

99 %Bandwidth



Bandwidth



-- End of Annex --