

U6-IW 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	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)

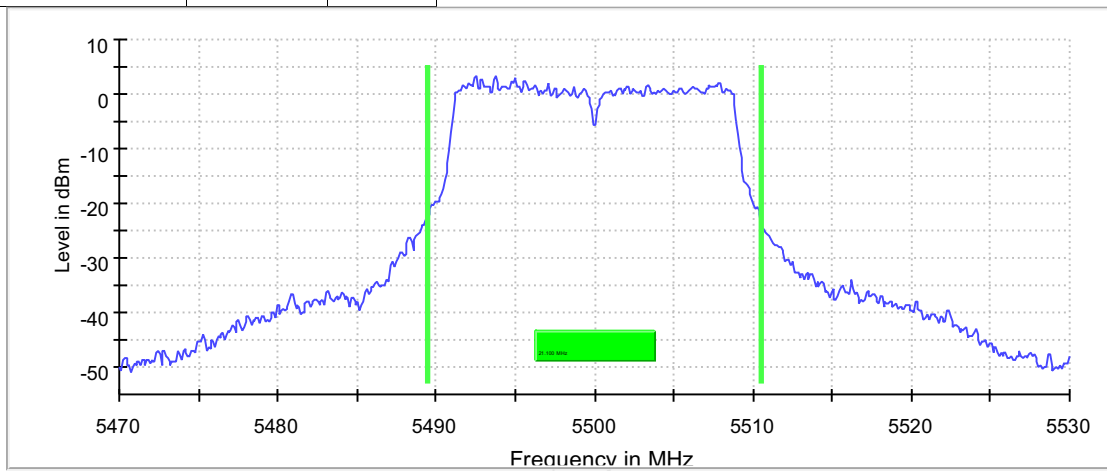
Customized settings.

26 dB Bandwidth

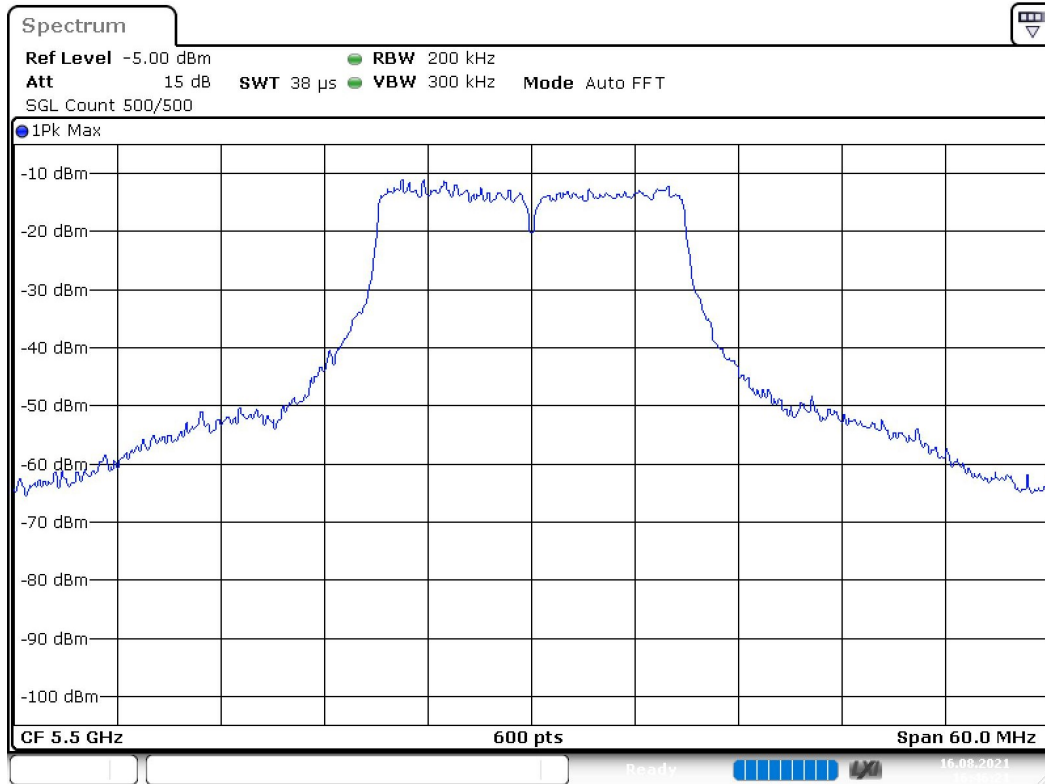
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	21.100000	---	---	5489.450000	5510.550000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5500.000000	3.2	PASS



Bandwidth



Date: 16.AUG.2021 16:46:21

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	-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)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5500.000000	23.4	24.0	23.4	85.668	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)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5500.000000	5507.722772	8.082	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)

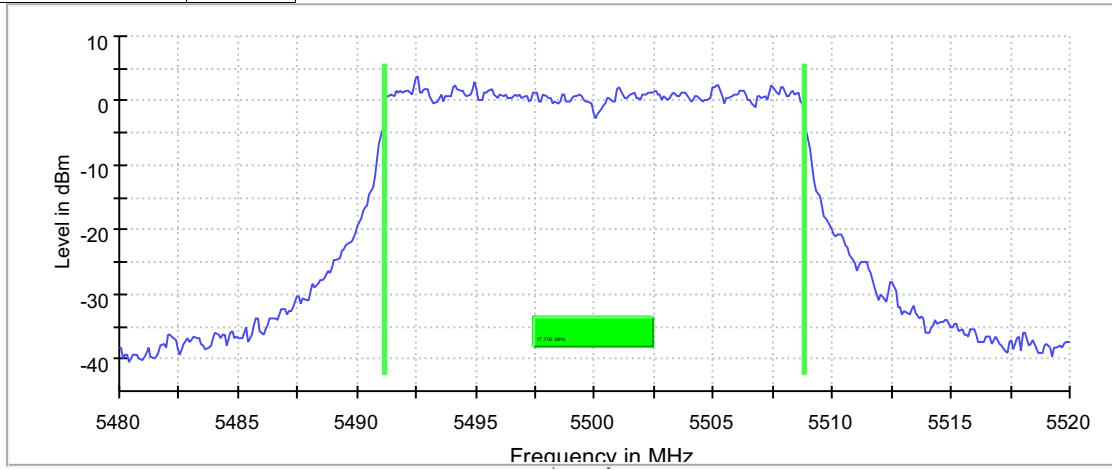
Customized settings.

99 % Bandwidth

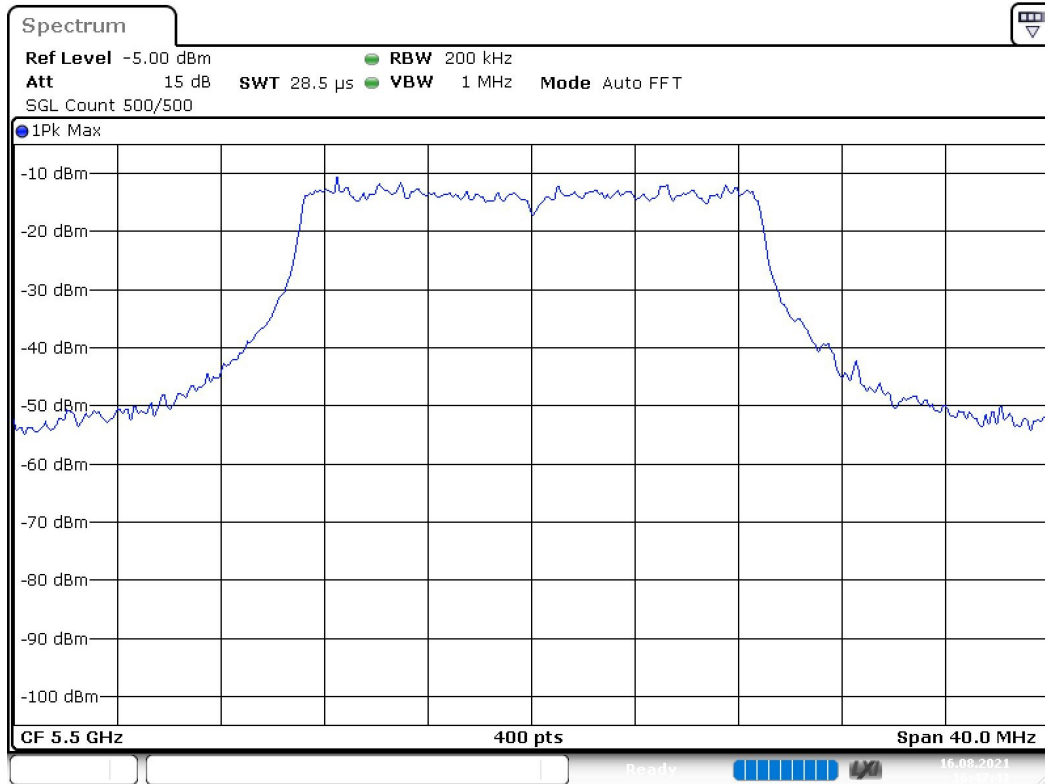
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	17.700000	---	---	5491.150000	5508.850000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5500.000000	PASS



Bandwidth



Date: 16.AUG.2021 16:47:42

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	\geq 200.000 kHz
VBW	1.000 MHz	\geq 600.000 kHz
SweepPoints	400	\sim 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)

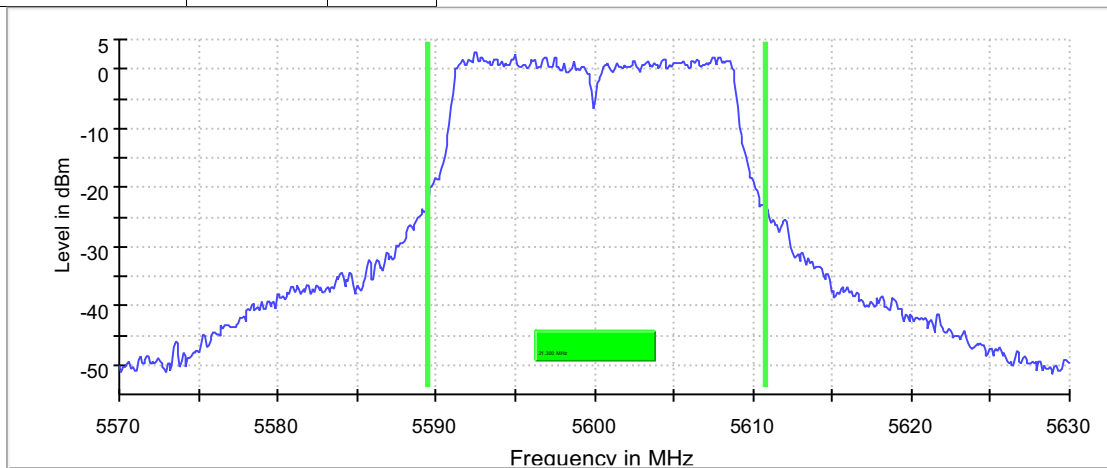
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	21.300000	---	---	5589.450000	5610.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	2.7	PASS



Bandwidth

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

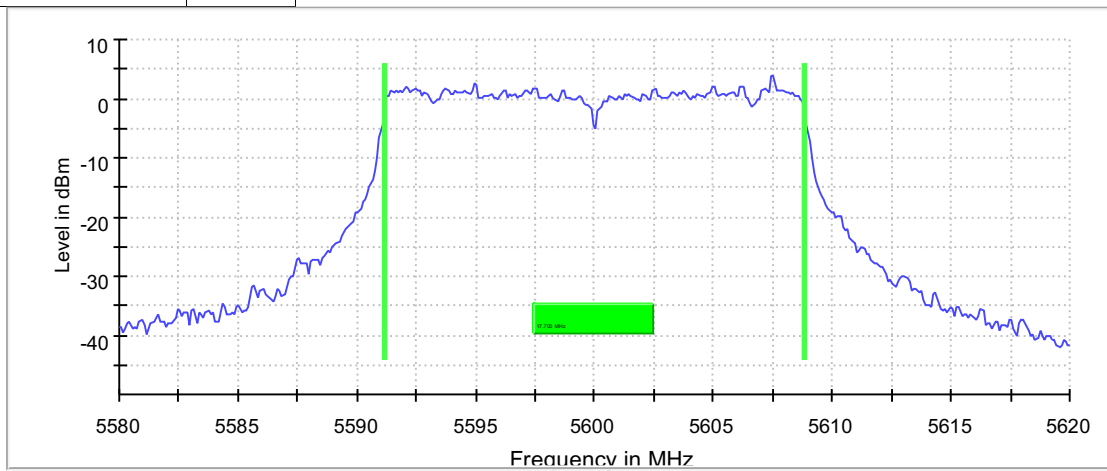
Customized settings.

99 % Bandwidth

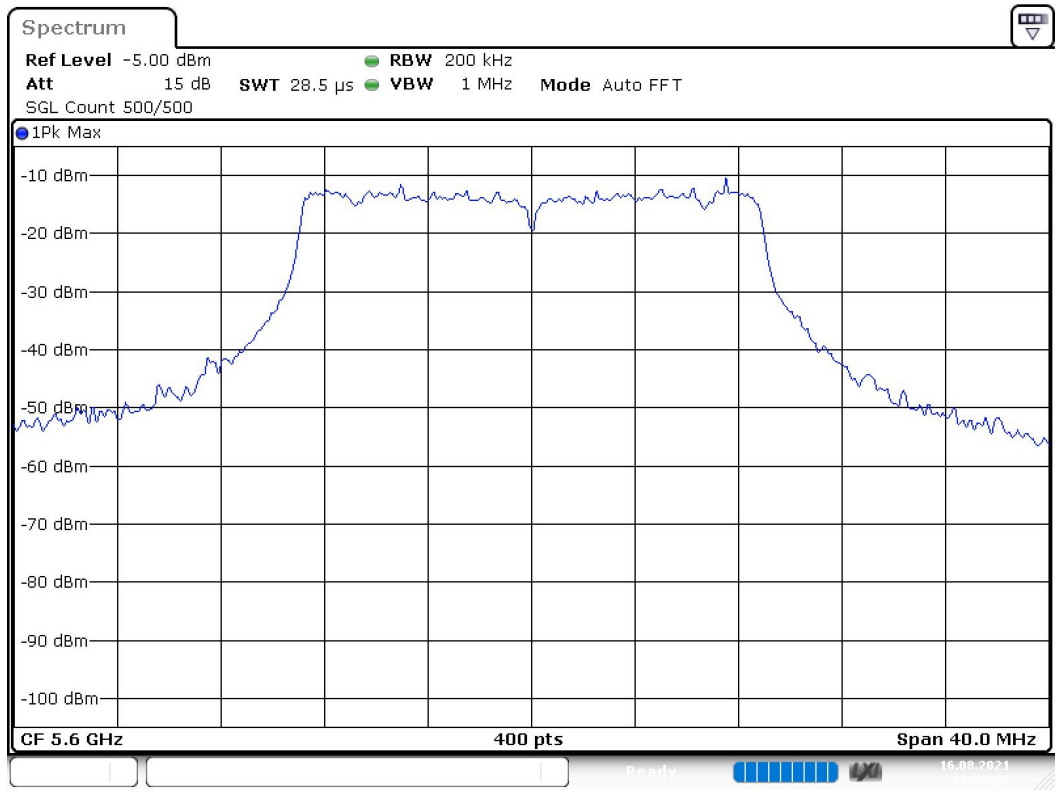
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	17.700000	---	---	5591.150000	5608.850000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5600.000000	PASS



Bandwidth



Date: 16.AUG.2021 16:50:22

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

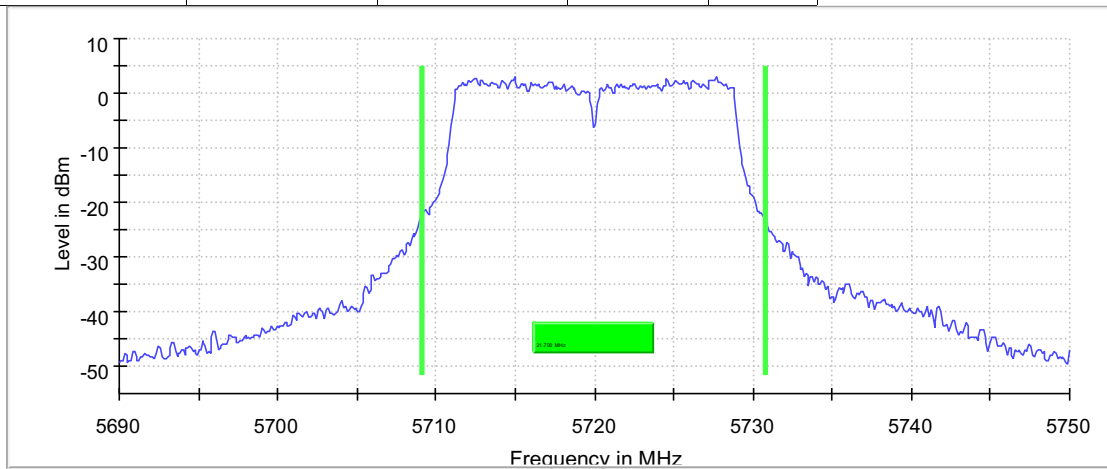
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	21.700000	15.950000	5.750000	---	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5720.000000	5709.050000	5730.750000	3.1	PASS



Bandwidth

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

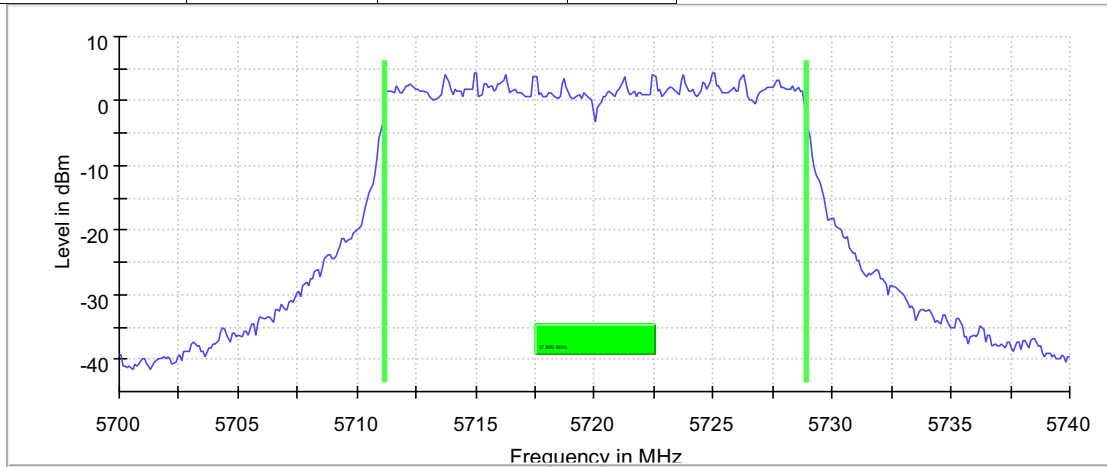
Customized settings.

99 % Bandwidth

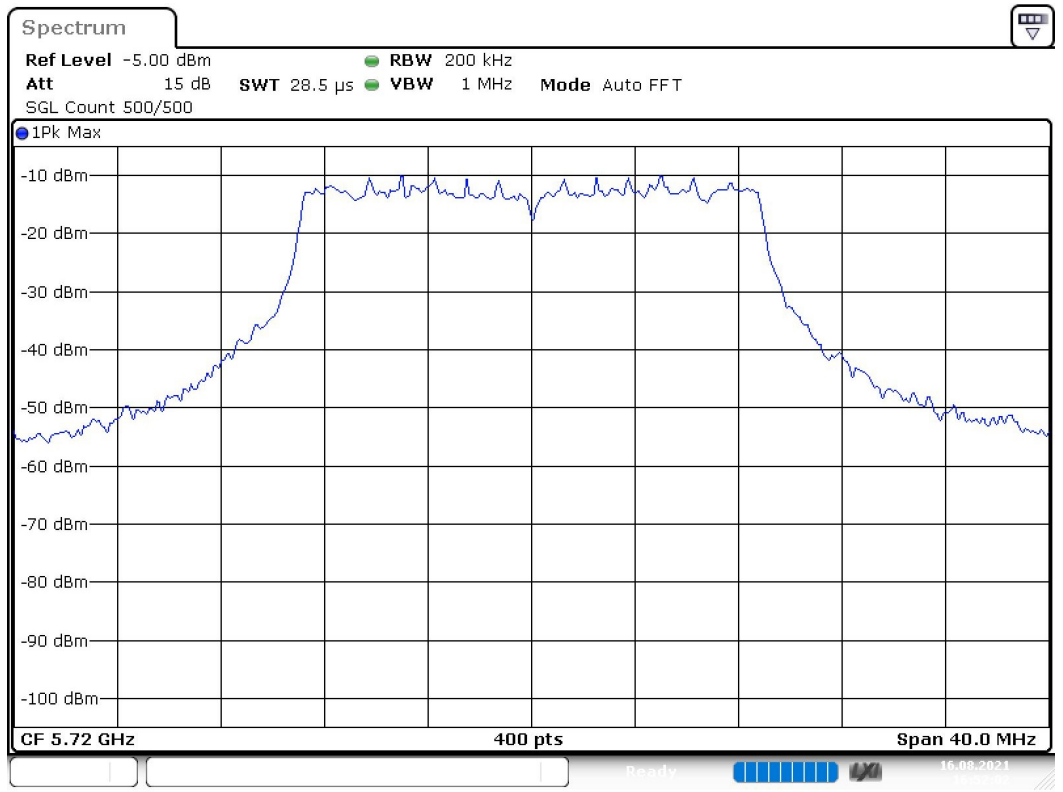
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	17.800000	13.850000	3.950000	---	---

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5720.000000	5711.150000	5728.950000	PASS



Bandwidth



Date: 16.AUG.2021 16:52:02

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

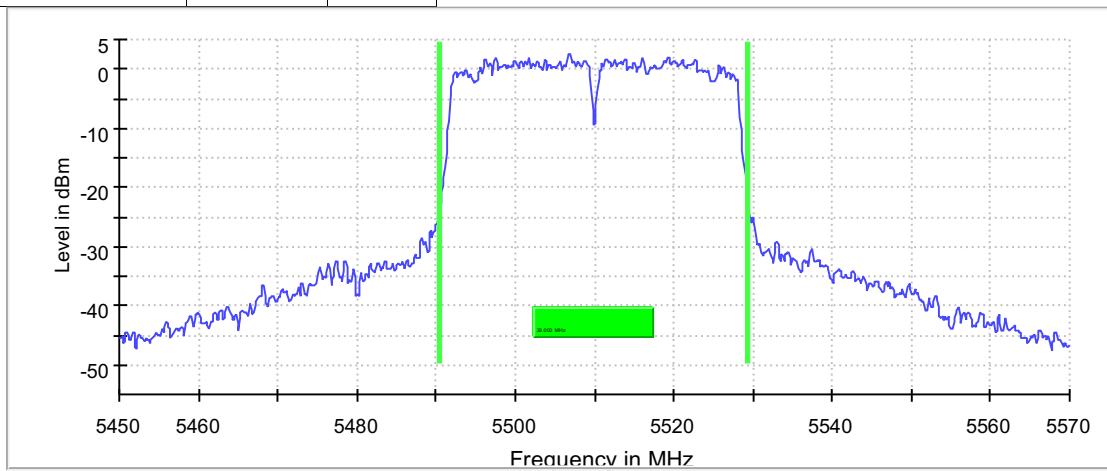
Customized settings.

26 dB Bandwidth

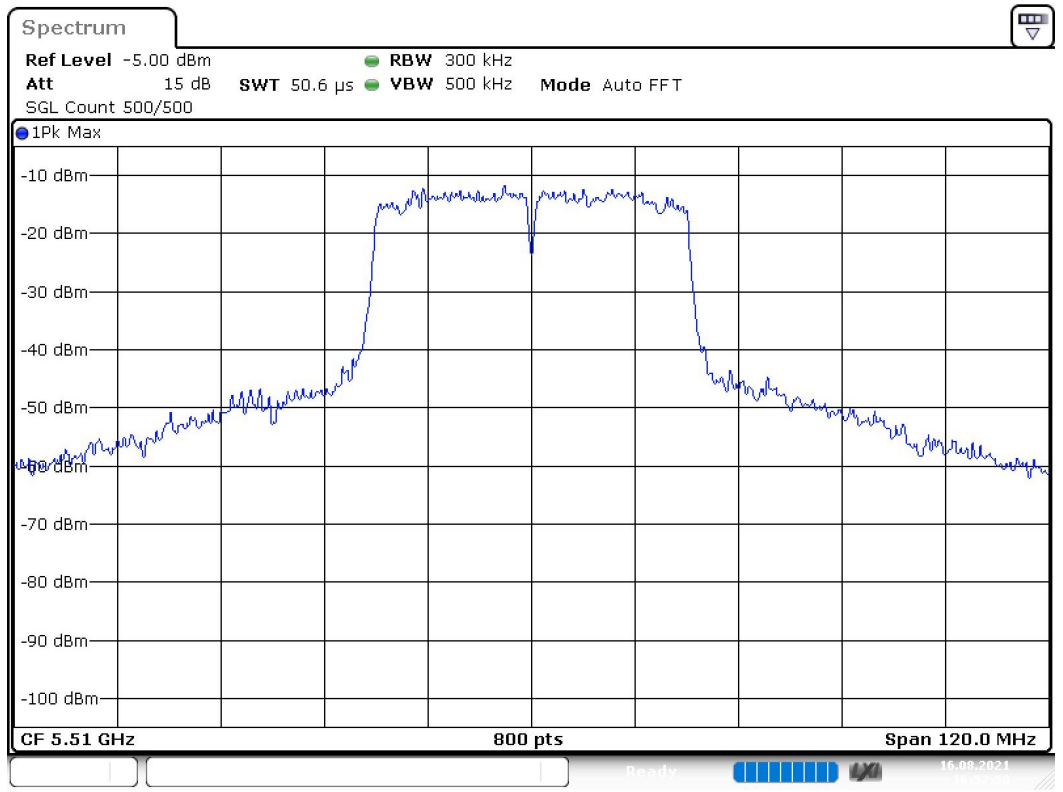
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	39.000000	---	---	5490.425000	5529.425000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5510.000000	2.7	PASS



Bandwidth



Date: 16.AUG.2021 16:52:50

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

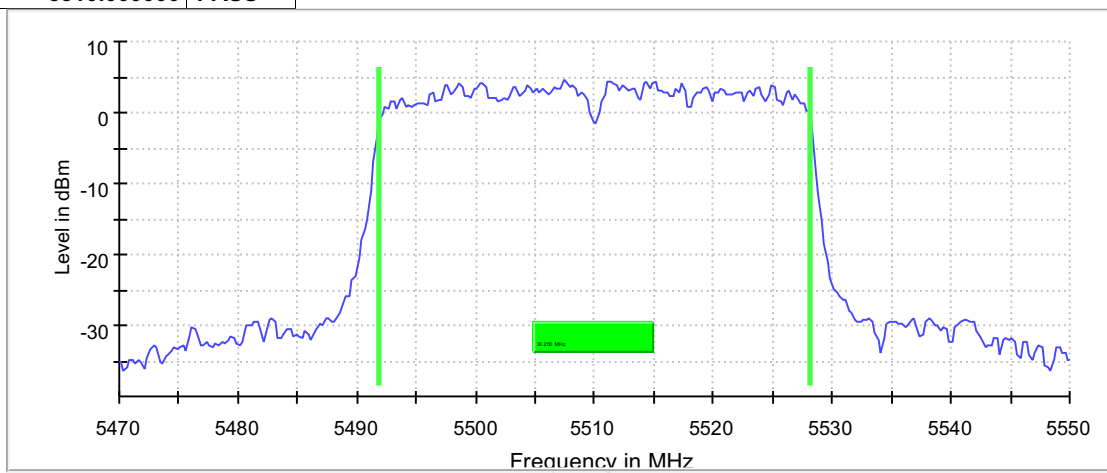
Customized settings.

99 % Bandwidth

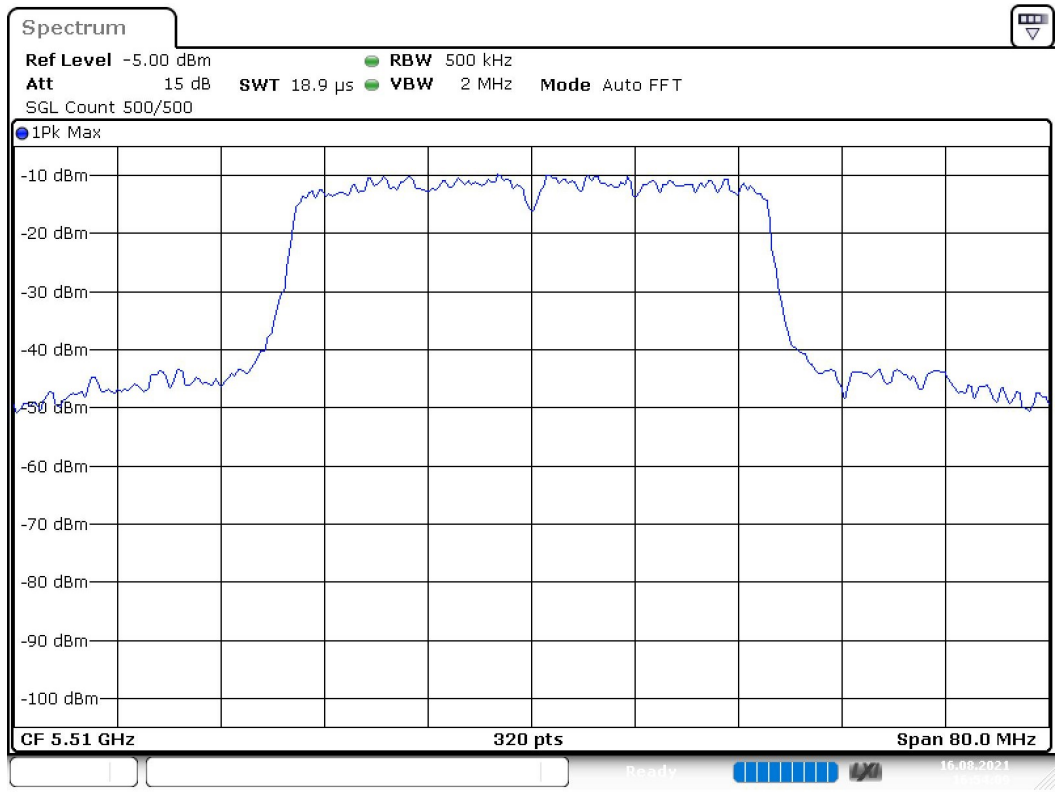
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	36.250000	---	---	5491.875000	5528.125000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5510.000000	PASS



Bandwidth



Date: 16.AUG.2021 16:54:09

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

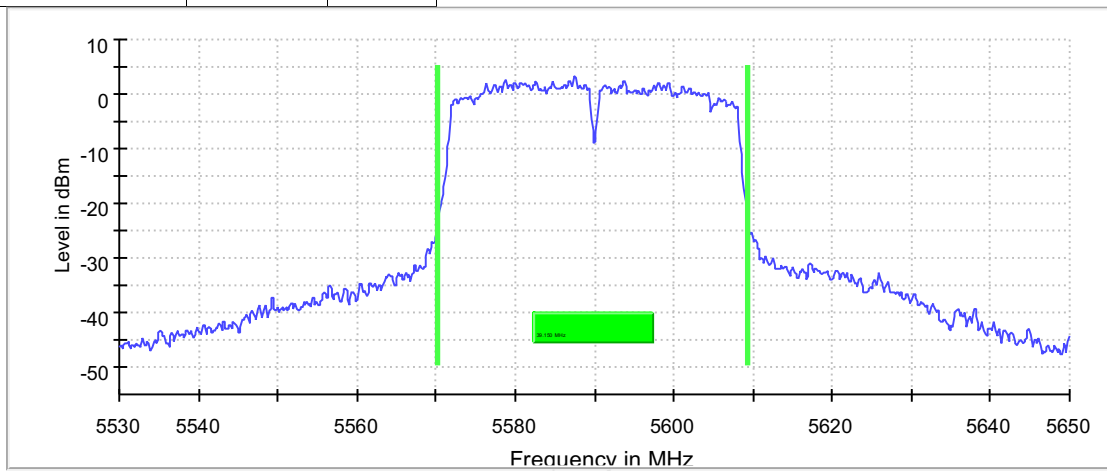
Customized settings.

26 dB Bandwidth

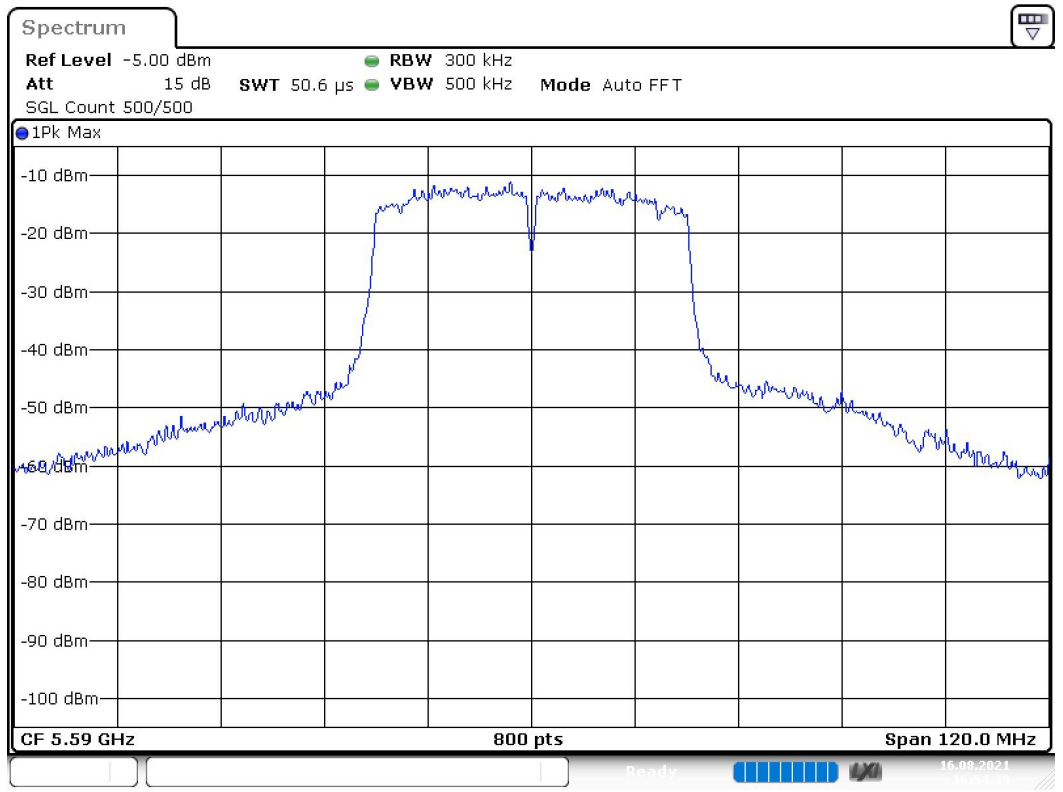
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	39.150000	---	---	5570.275000	5609.425000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5590.000000	3.3	PASS



Bandwidth



Date: 16.AUG.2021 16:54:39

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

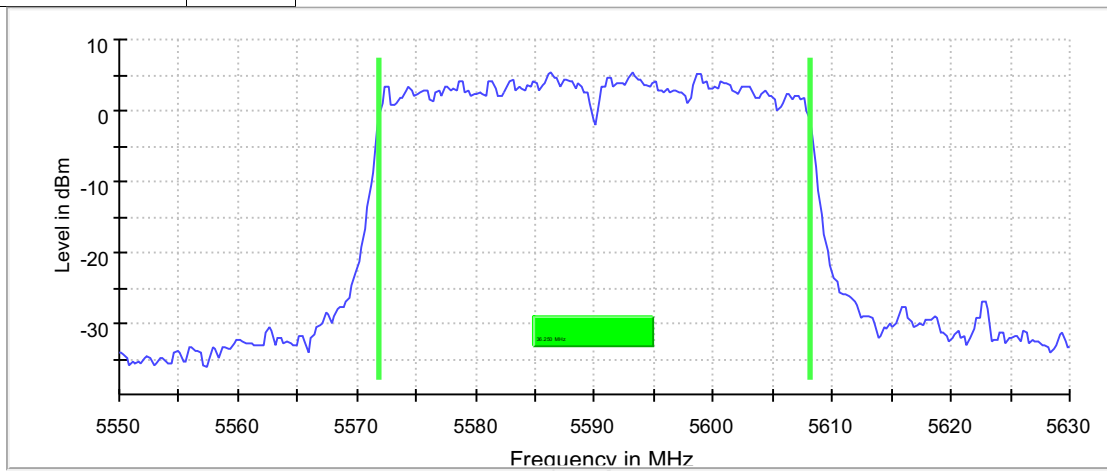
Customized settings.

99 % Bandwidth

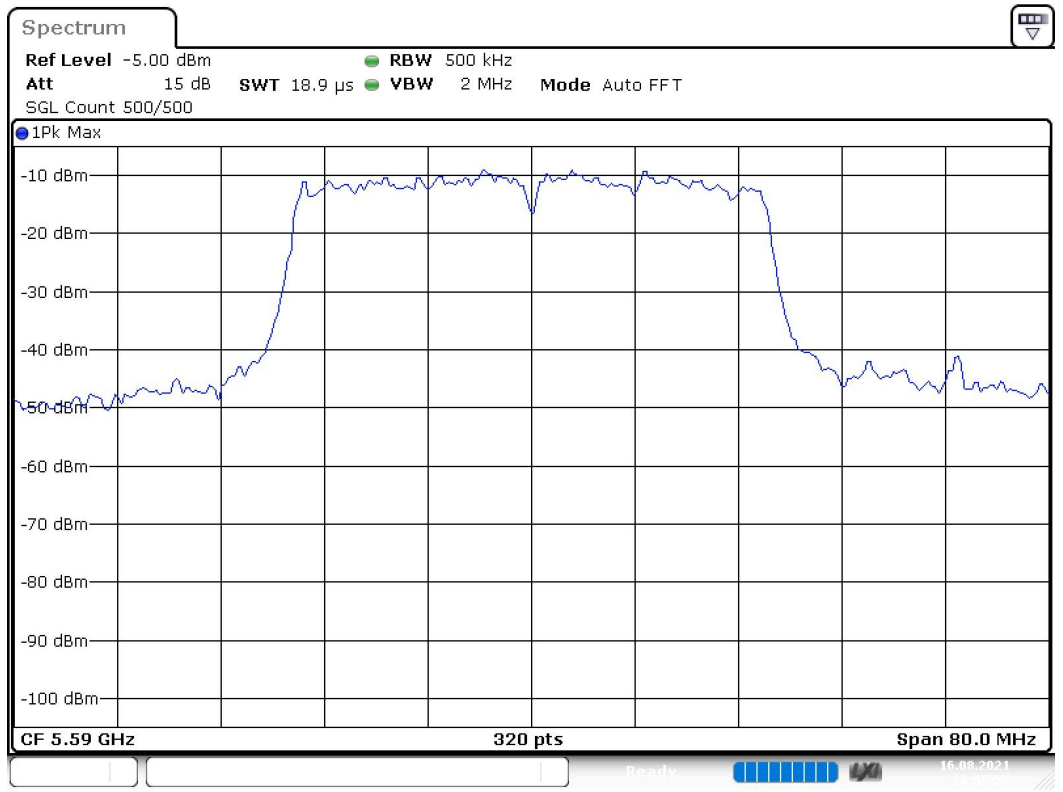
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	36.250000	---	---	5571.875000	5608.125000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5590.000000	PASS



Bandwidth



Date: 16.AUG.2021 16:55:58

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

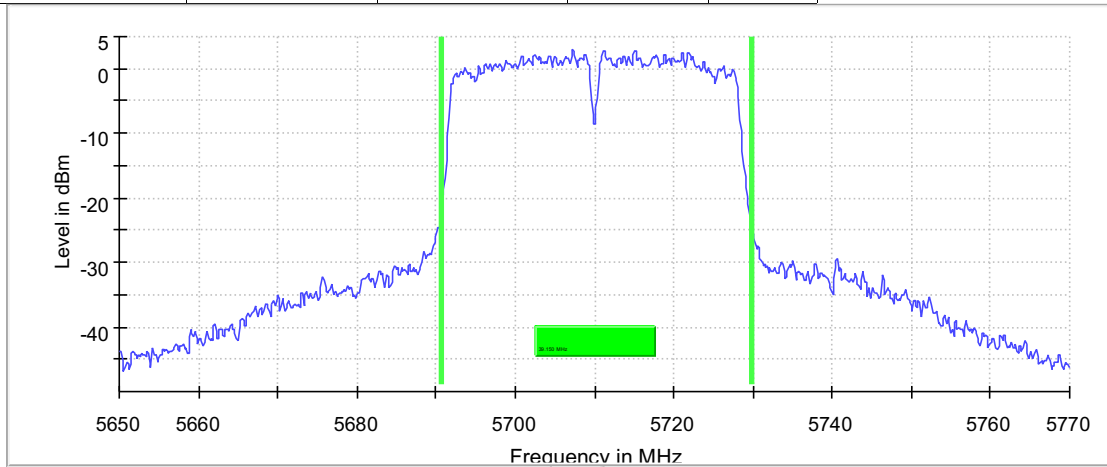
Customized settings.

26 dB Bandwidth

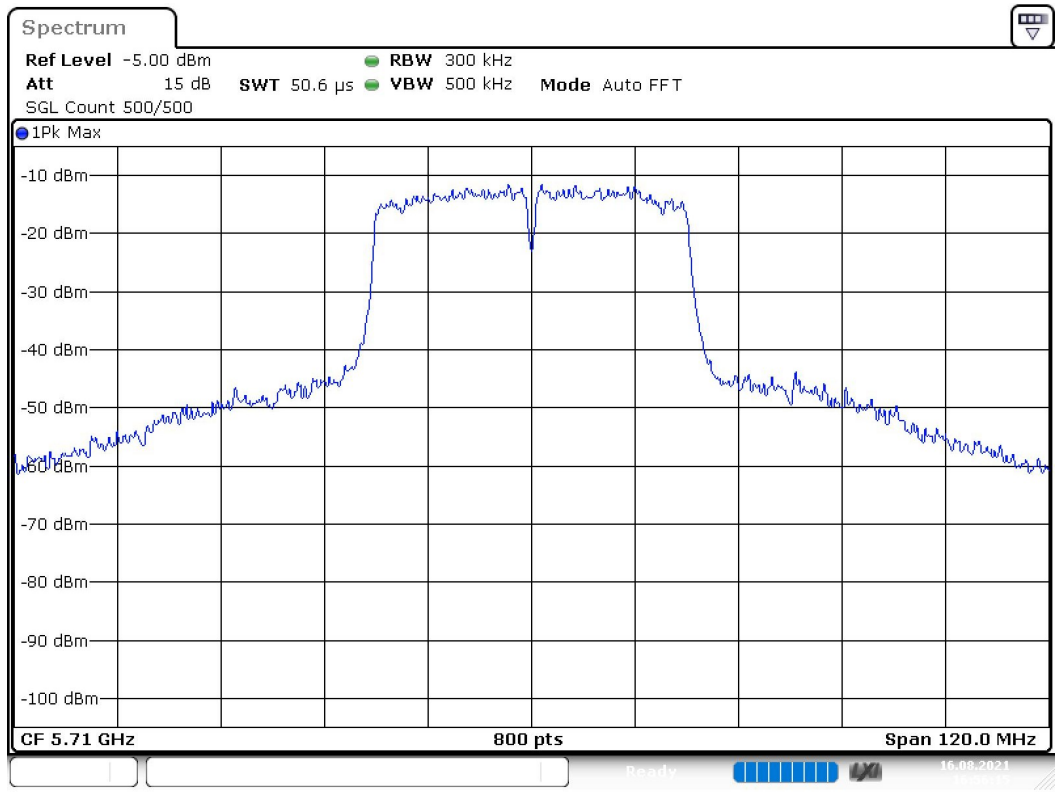
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	39.150000	34.425000	4.725000	---	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5710.000000	5690.575000	5729.725000	3.0	PASS



Bandwidth



Date: 16.AUG.2021 16:56:16

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

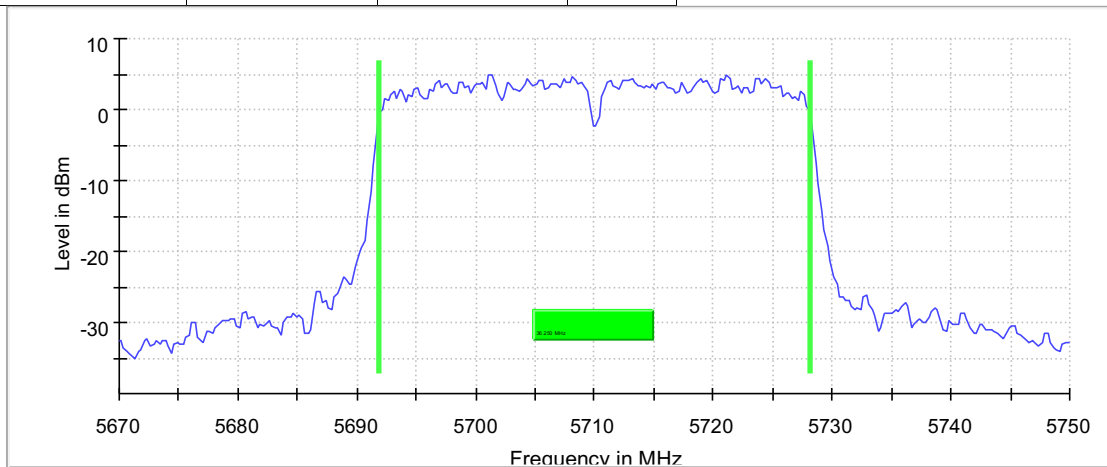
Customized settings.

99 % Bandwidth

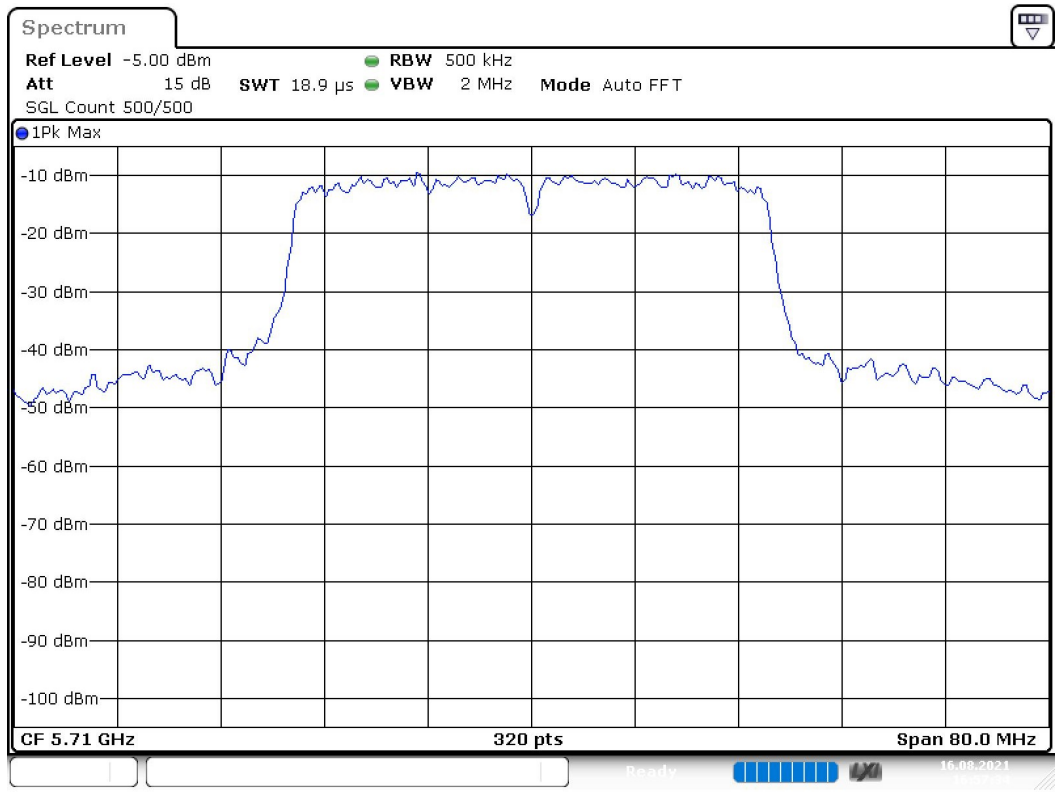
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	36.250000	33.125000	3.125000	---	---

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5710.000000	5691.875000	5728.125000	PASS



Bandwidth



Date: 16.AUG.2021 16:57:34

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

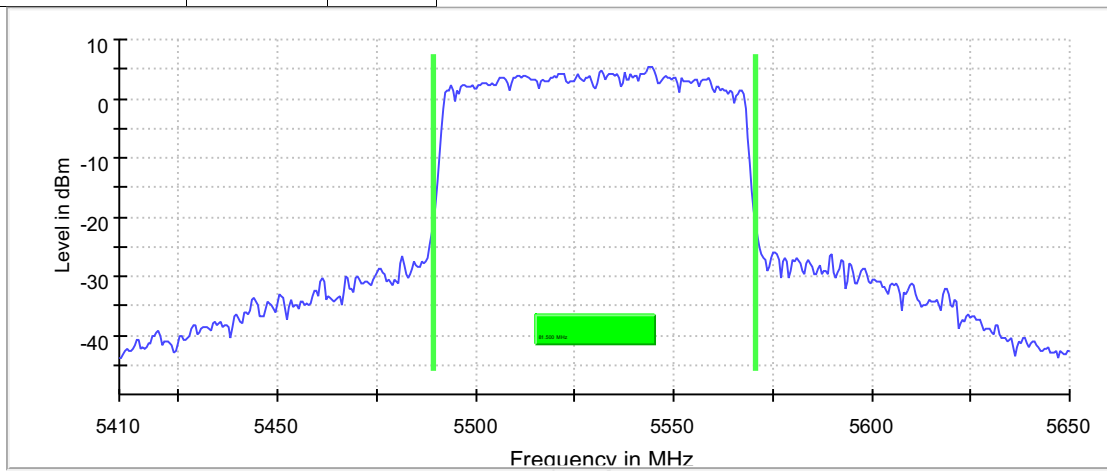
Customized settings.

26 dB Bandwidth

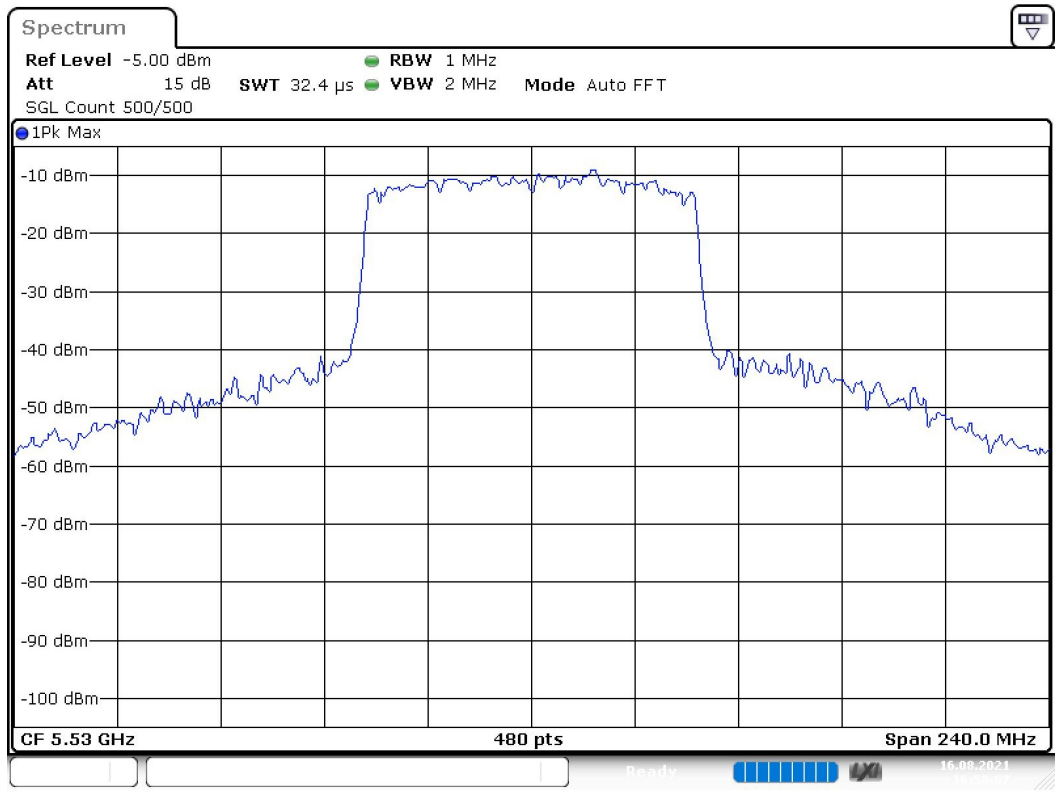
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	81.500000	---	---	5489.250000	5570.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5530.000000	5.4	PASS



Bandwidth



Date: 16.AUG.2021 16:58:07

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

Customized settings.

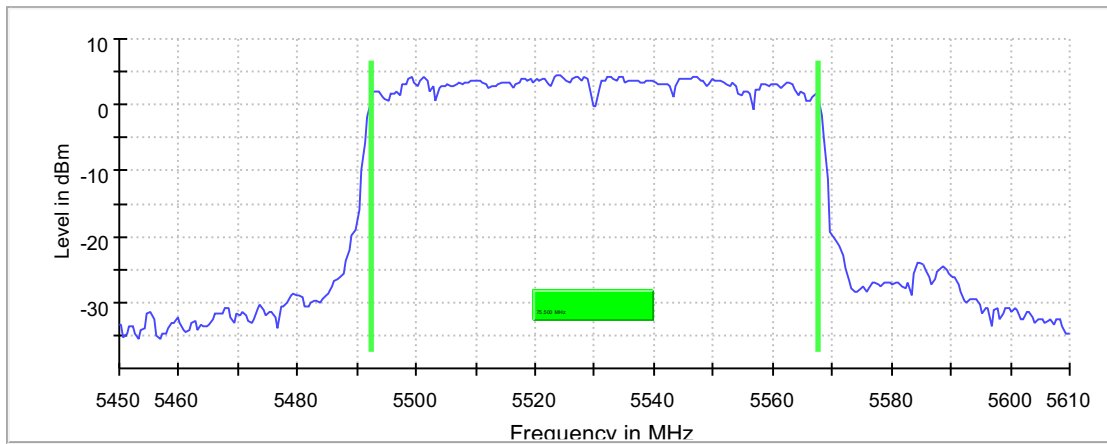
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	75.500000	---	---	5492.250000	5567.750000

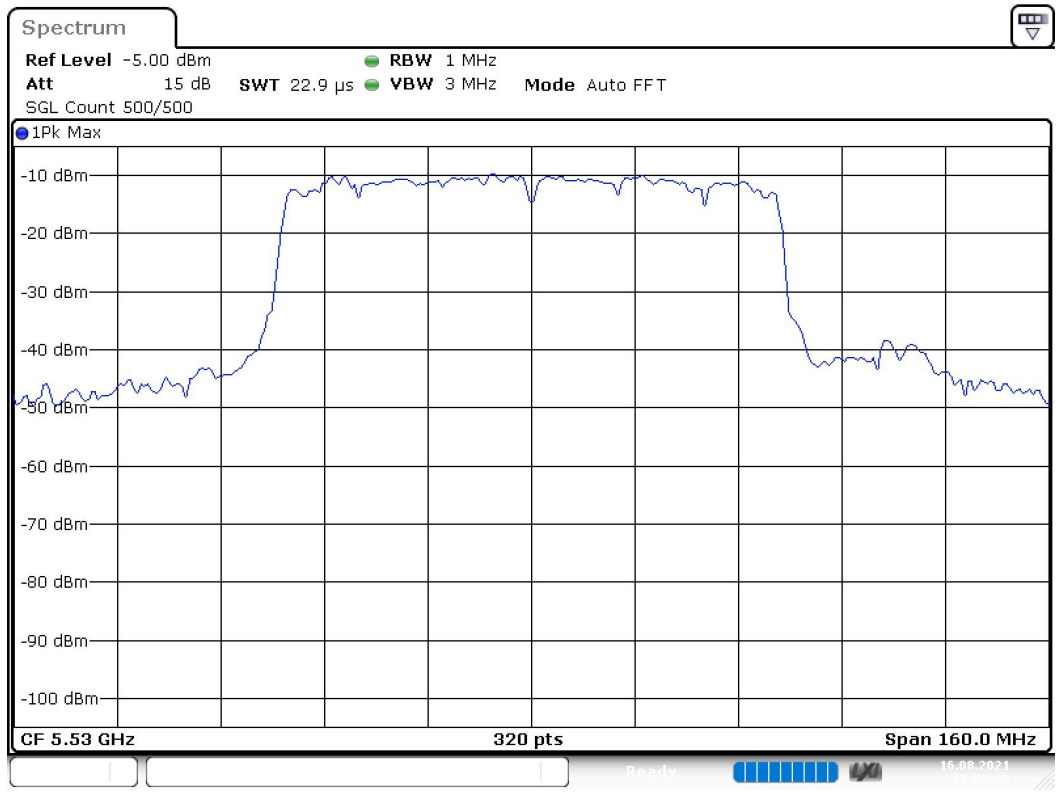
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5530.000000	PASS

99 % Bandwidth



Bandwidth



Date: 16.AUG.2021 17:03:35

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

Customized settings.

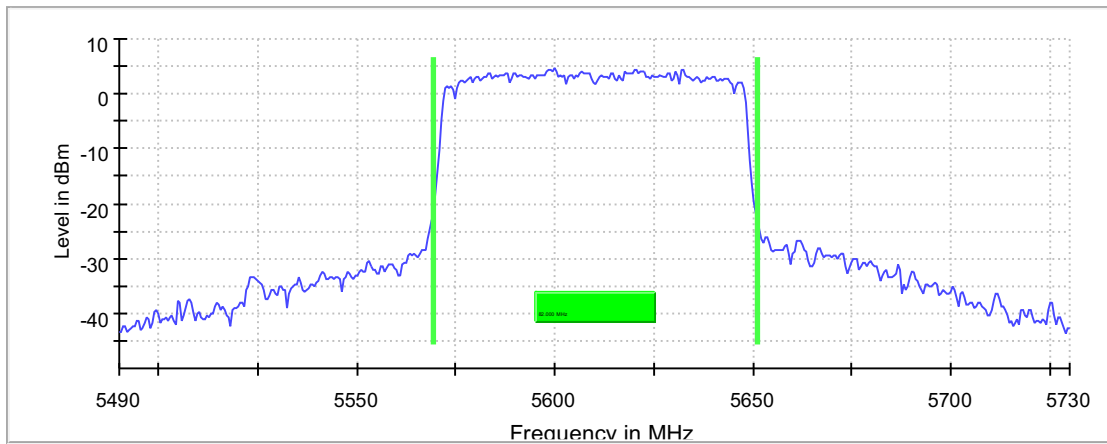
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	82.000000	---	---	5569.250000	5651.250000

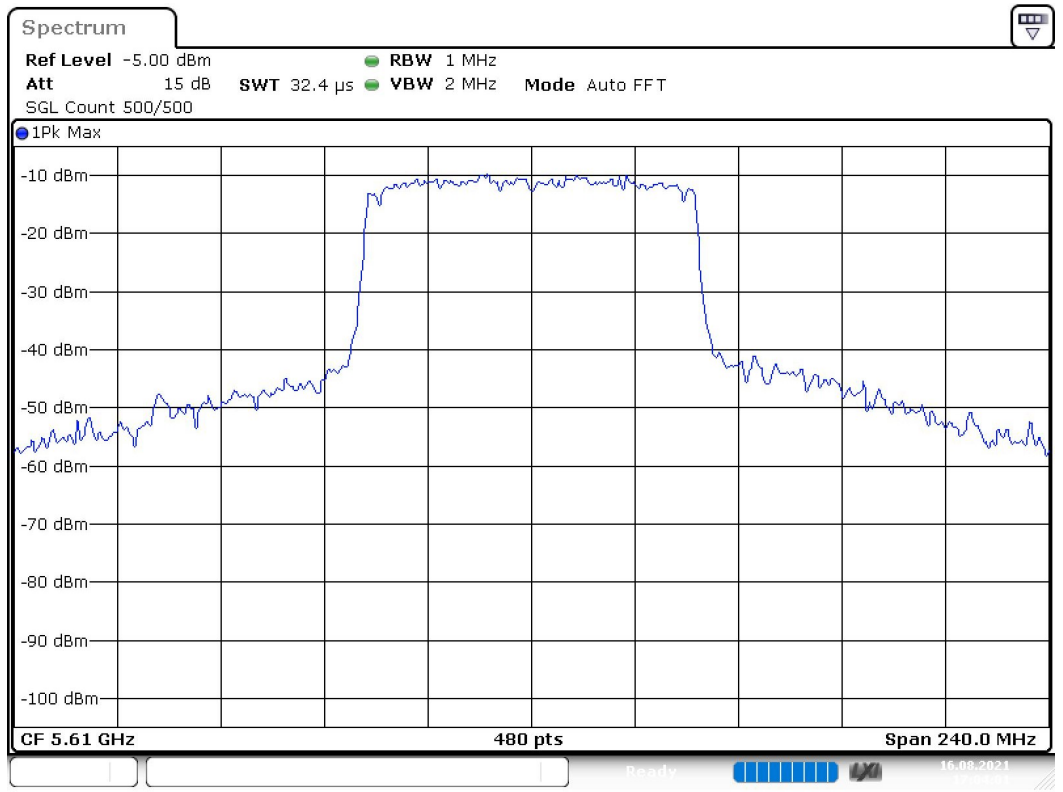
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5610.000000	4.5	PASS

26 dB Bandwidth



Bandwidth



Date: 16.AUG.2021 17:04:01

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

Customized settings.

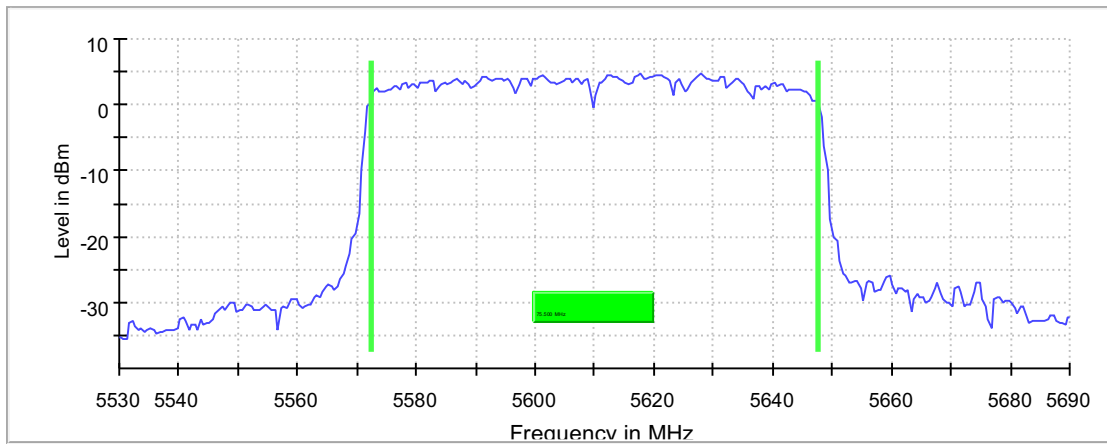
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	75.500000	---	---	5572.250000	5647.750000

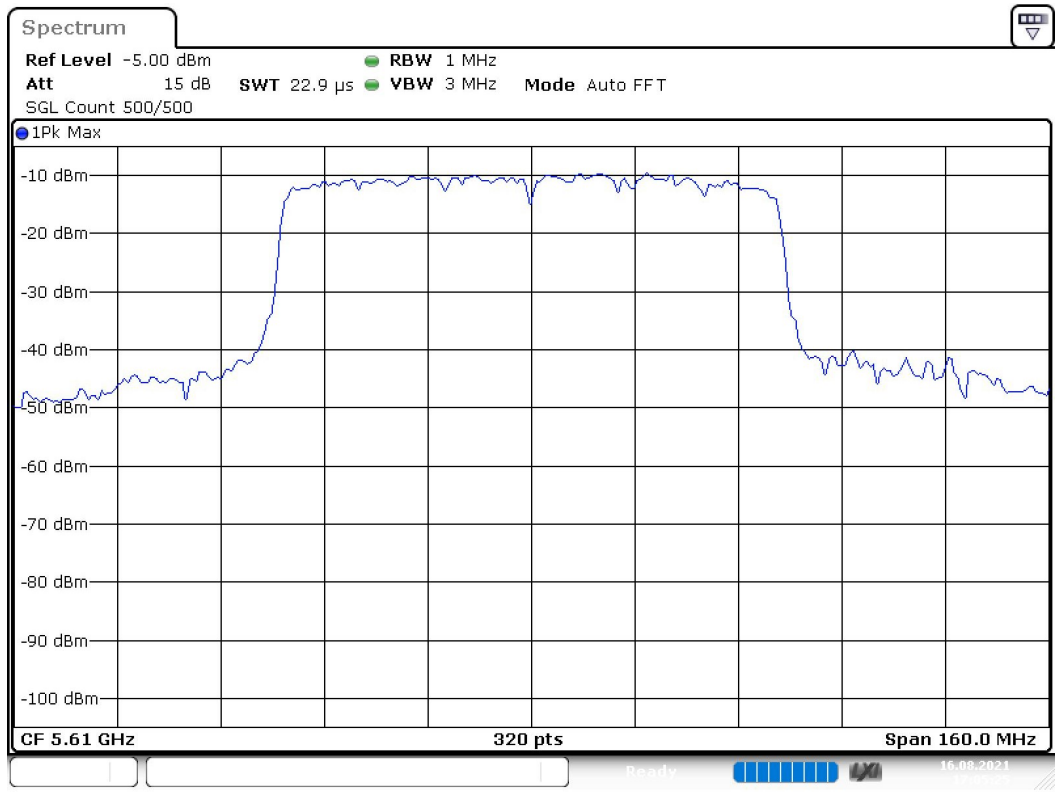
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5610.000000	PASS

99 % Bandwidth



Bandwidth



Date: 16.AUG.2021 17:05:25

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

Customized settings.

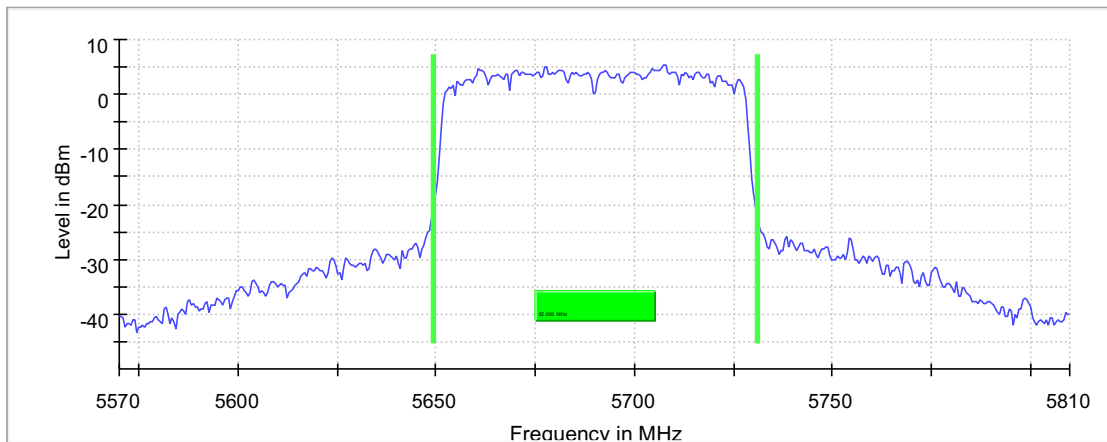
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	82.000000	75.750000	6.250000	---	---

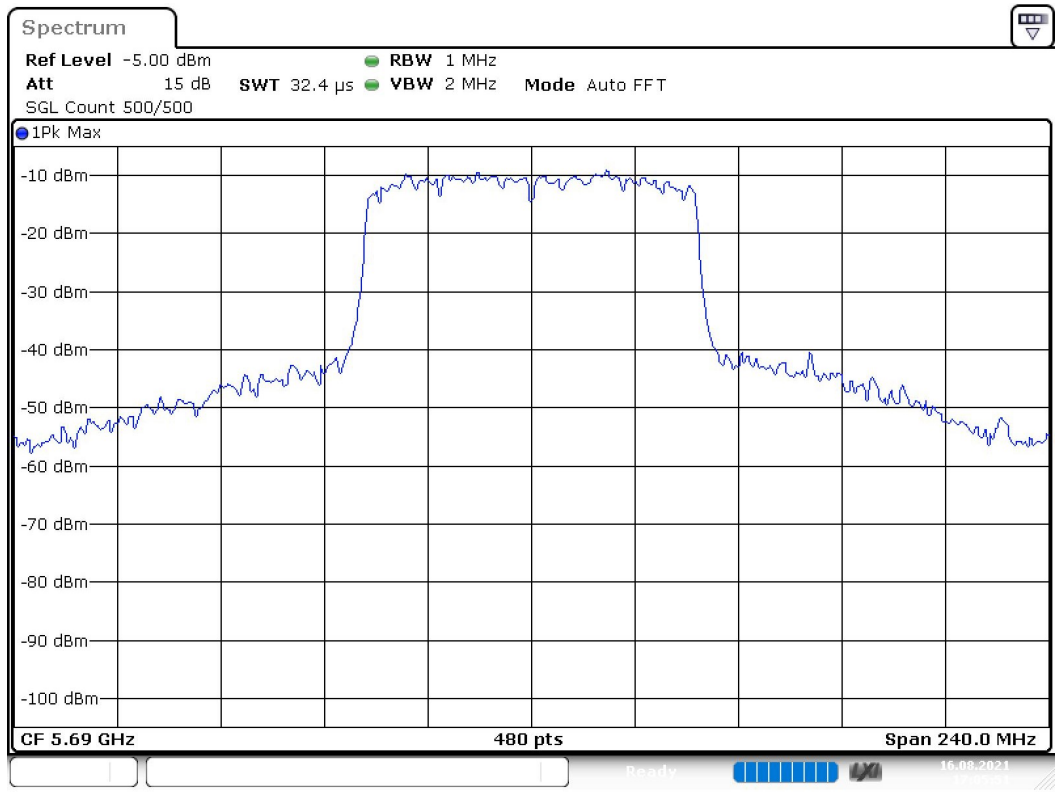
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5690.000000	5649.250000	5731.250000	5.3	PASS

26 dB Bandwidth



Bandwidth



Date: 16.AUG.2021 17:05:51

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

Customized settings.

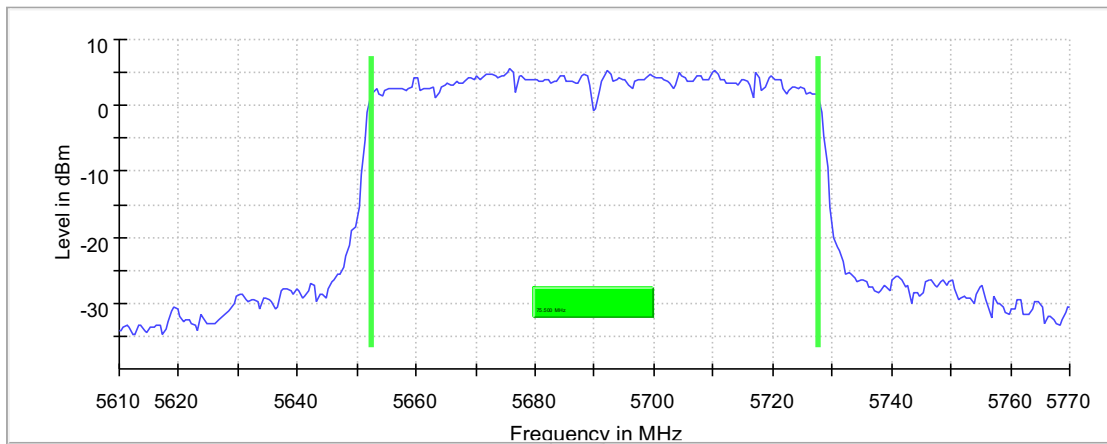
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	75.500000	72.750000	2.750000	---	---

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5690.000000	5652.250000	5727.750000	PASS

99 % Bandwidth



Bandwidth

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

Customized settings.

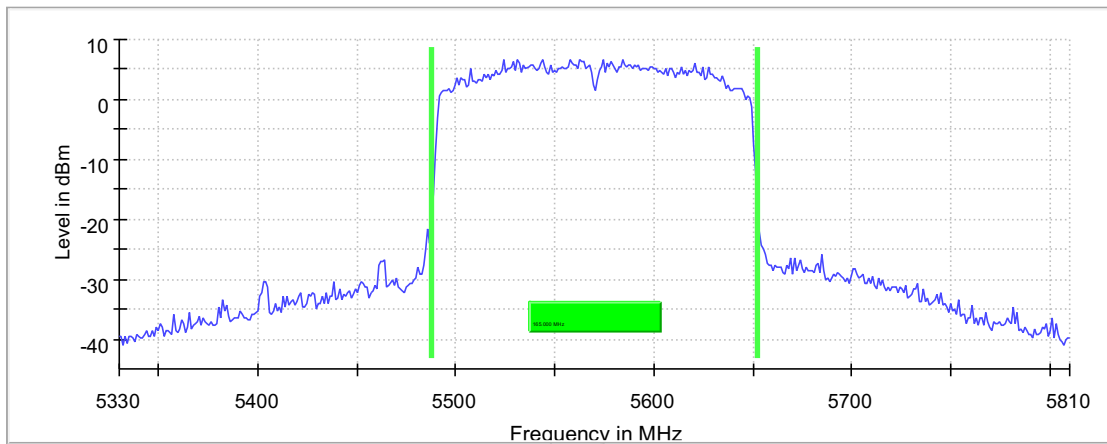
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	165.000000	165.000000	0.000000	---	---

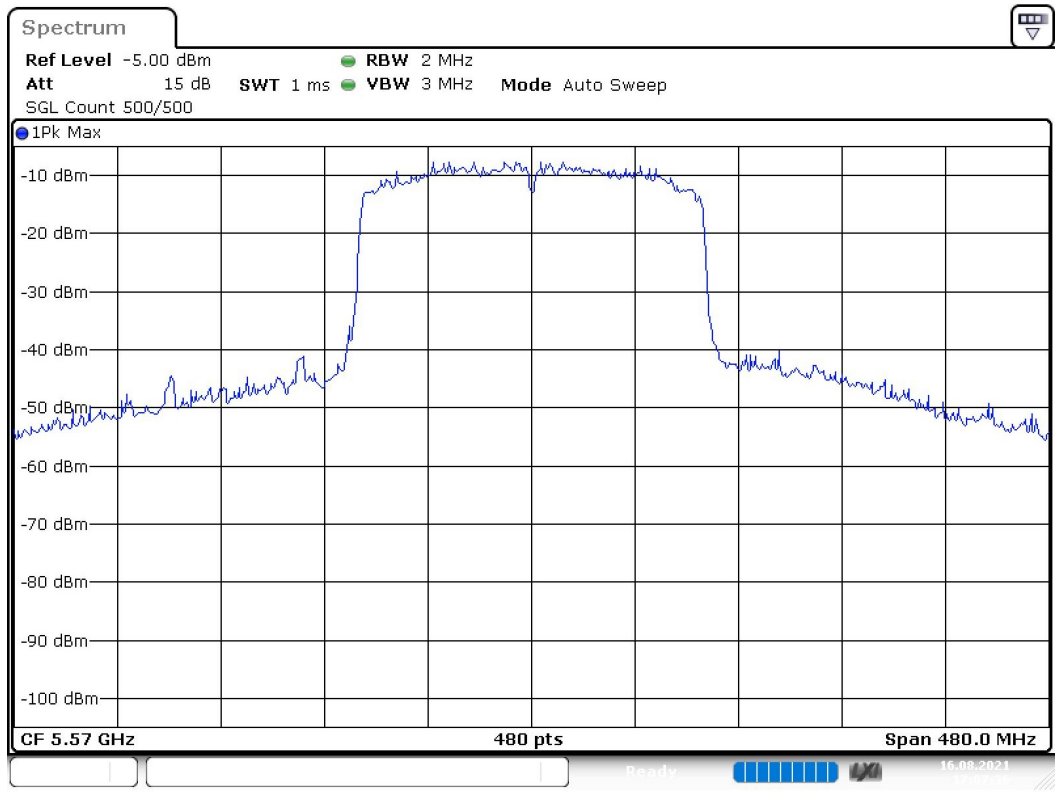
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5570.000000	5487.500000	5652.500000	6.8	PASS

26 dB Bandwidth



Bandwidth



Date: 16.AUG.2021 17:07:36

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

Customized settings.

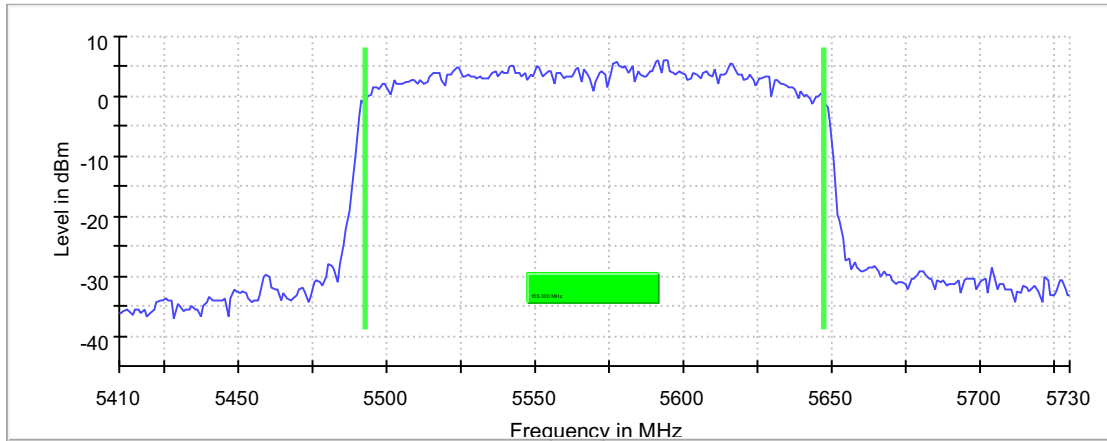
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth UNII 2C (MHz)	Bandwidth UNII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	155.000000	155.000000	0.000000	---	---

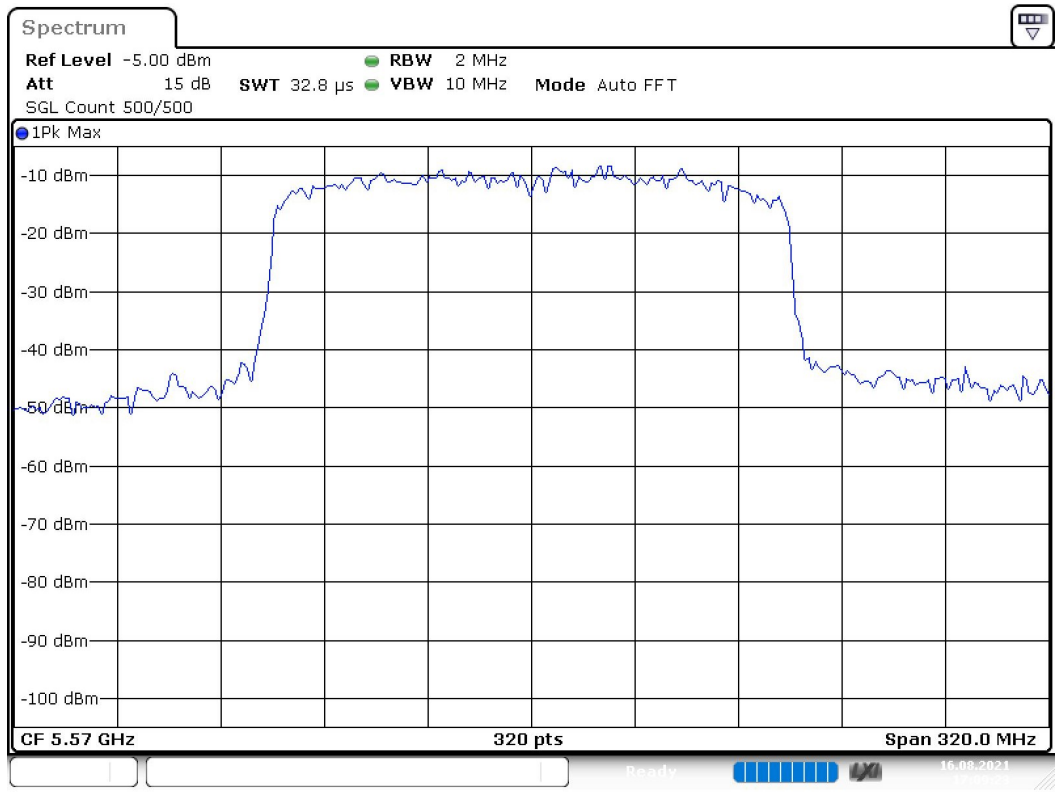
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5570.000000	5492.500000	5647.500000	PASS

99 % Bandwidth



Bandwidth



Date: 16.AUG.2021 17:09:23