



427 West 12800 South
Draper, UT 84020

Test Report Attachment

| | |
|----------------------------------|--------------------------------------|
| FCC ID | SWX-U6PLR |
| ISED ID | 6545A-U6PLR |
| Equipment Under Test | U6+LR |
| Test Report Serial Number | TR7620_02 |
| Date of Test(s) | October 11-12; November 4-5, 11 2022 |
| Report Issue Date | December 12, 2022 |



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 2023. 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 2023. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.

Test Personnel

| | |
|-----------------------------|-------------|
| Testing performed by | Tyler Parry |
|-----------------------------|-------------|

1 DUT Band

1.1 UNII-2A AX (Worst Case) Summary

Hardware Setup: WMS Measurements\TS8997 Hardware SetupJB

| | |
|--------------------|---|
| Spectrum Analyzer: | SA FSV 40 (SA FSV 40) @ VISA (ADR TCPIP::192.168.48.100::inst0::instr), SN 1321.3008K40/101752, FW 3.70 |
| Vector Generator: | VG SMW200A (VG SMW200A) @ VISA (ADR TCPIP0::A-N5182B- 301471::inst0::INSTR), SN 101752, FW 3.70 |
| Generator: | SMB100A (SMB100A) @ VISA (ADR TCPIP::---,---,---,---:inst0::instr) |
| OSP: | OSP-B157W8PLUS (OSP-B157W8PLUS) @ VISA (ADR TCPIP::192.168.48.157::inst0::instr), SN 1527.1144.06 / 100955, FW 2.00.1.0 |

Summary

| 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 |
| Occupied Channel Bandwidth 99% | 5280.000 | 24.0 | 20.000000 | PASS |
| Emission Bandwidth 26 dB | 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 |
| Occupied Channel Bandwidth 99% | 5270.000 | 24.0 | 40.000000 | PASS |
| Emission Bandwidth 26 dB | 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 |
| Occupied Channel Bandwidth 99% | 5290.000 | 24.0 | 80.000000 | PASS |
| Emission Bandwidth 26 dB | 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)

Customized settings.

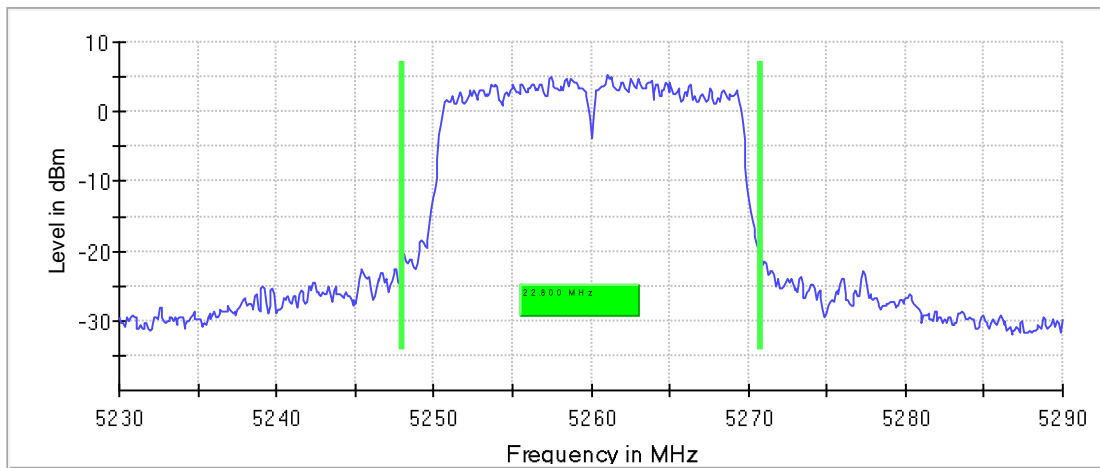
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5260.000000 | 22.800000 | --- | --- | 5247.950000 | 5270.750000 |

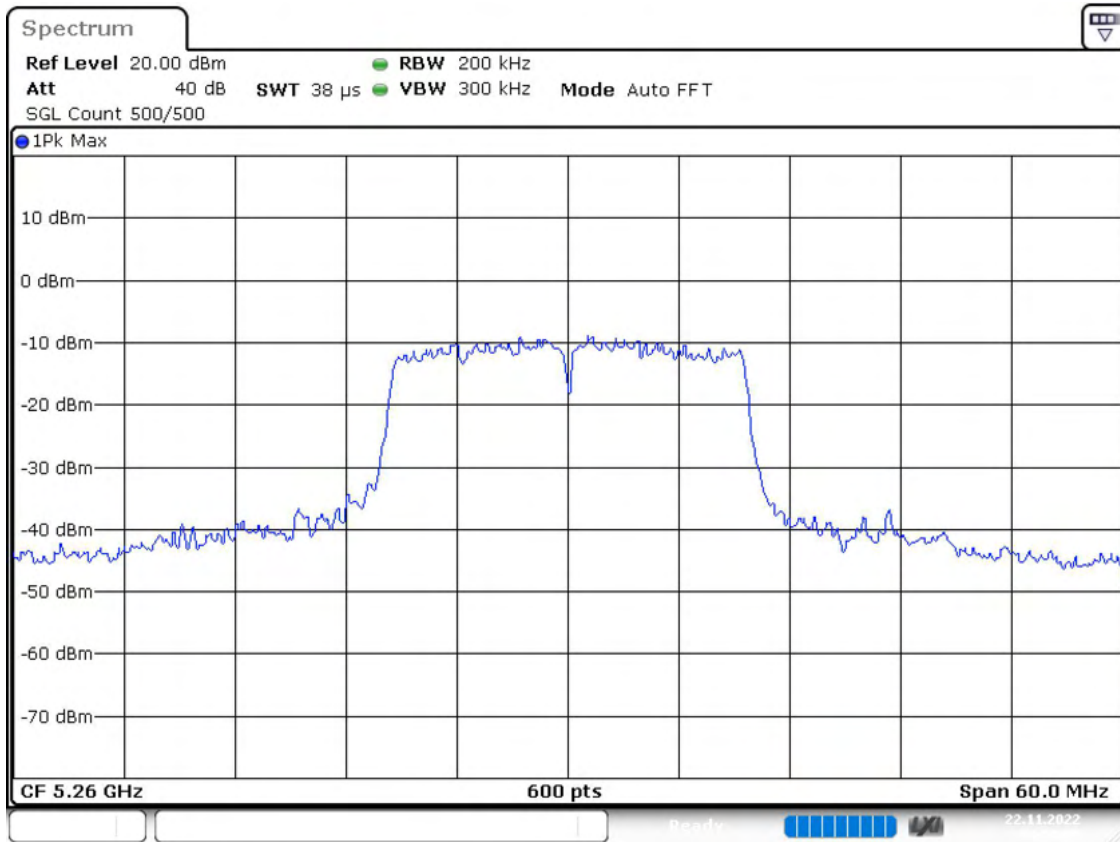
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5260.000000 | 5.2 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 04:54:25

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 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 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)

Customized settings.

Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 5260.000000 | 23.6 | 24.0 | 23.6 | 90.074 | 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)

Customized settings.

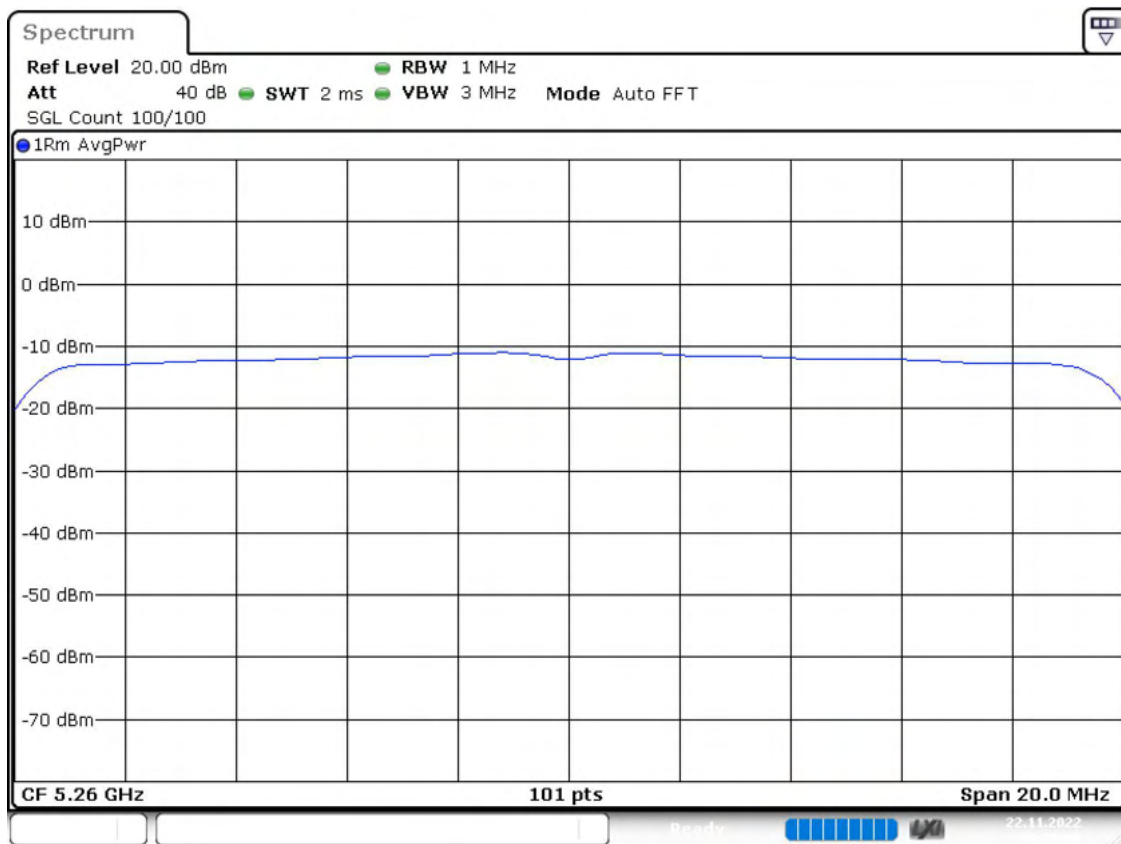
Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5260.000000 | 5261.188119 | 8.141 | 11.0 | PASS |

Ports

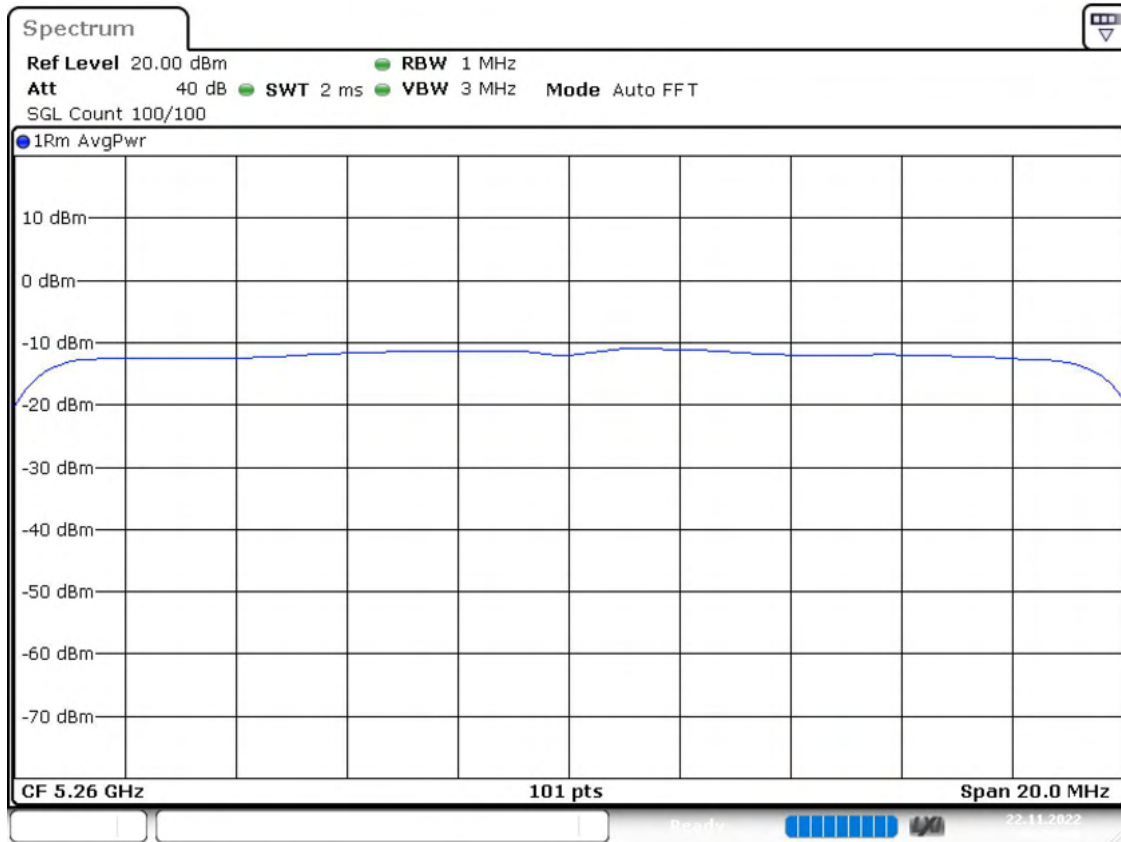
| Port | State |
|------|-------|
| 1 | used |
| 2 | used |
| 3 | used |

PSD Connector 1



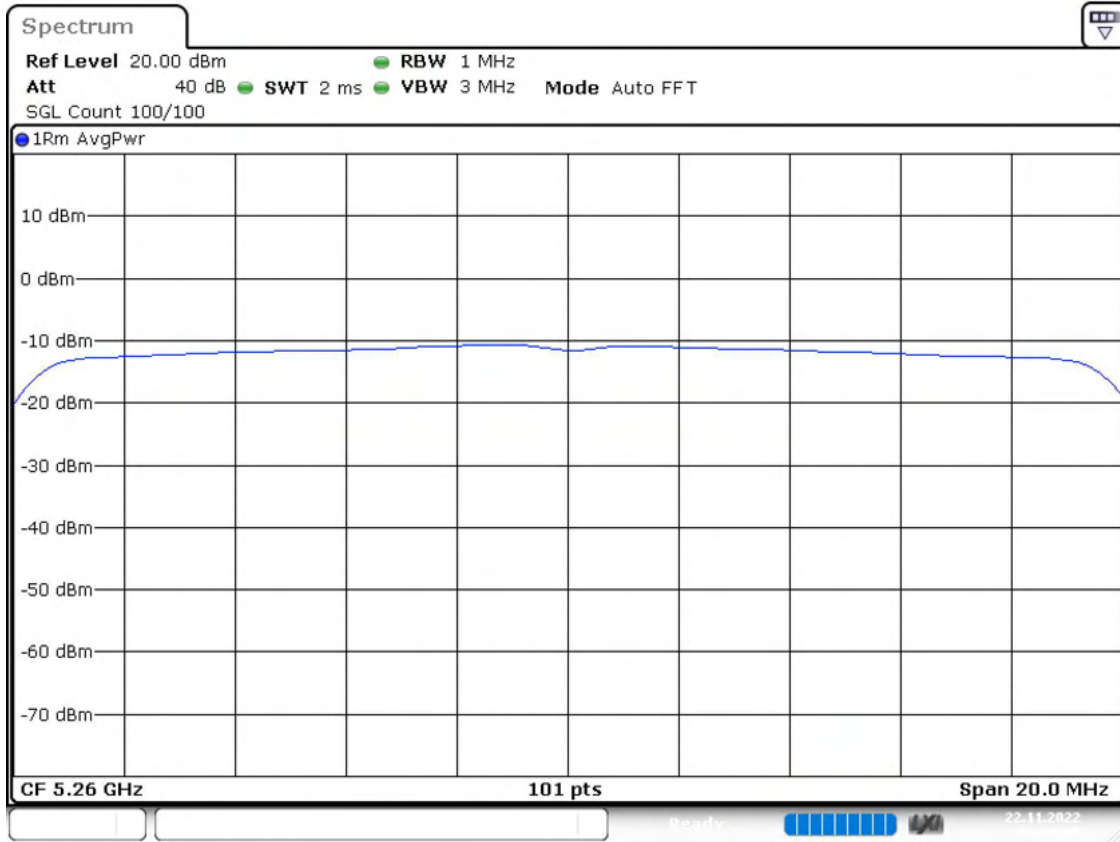
Date: 22.NOV.2022 04:55:13

PSD Connector 2



Date: 22.NOV.2022 04:55:18

PSD Connector 3



Date: 22.NOV.2022 04:55:23

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 | 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% (5260 MHz; 24.000 dBm; 20 MHz)

Customized settings.

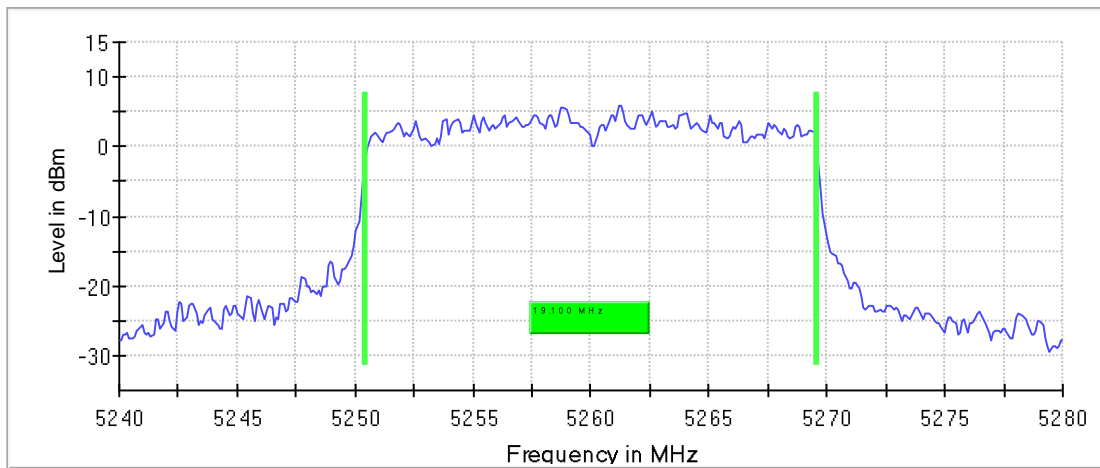
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5260.000000 | 19.100000 | --- | --- | 5250.450000 | 5269.550000 |

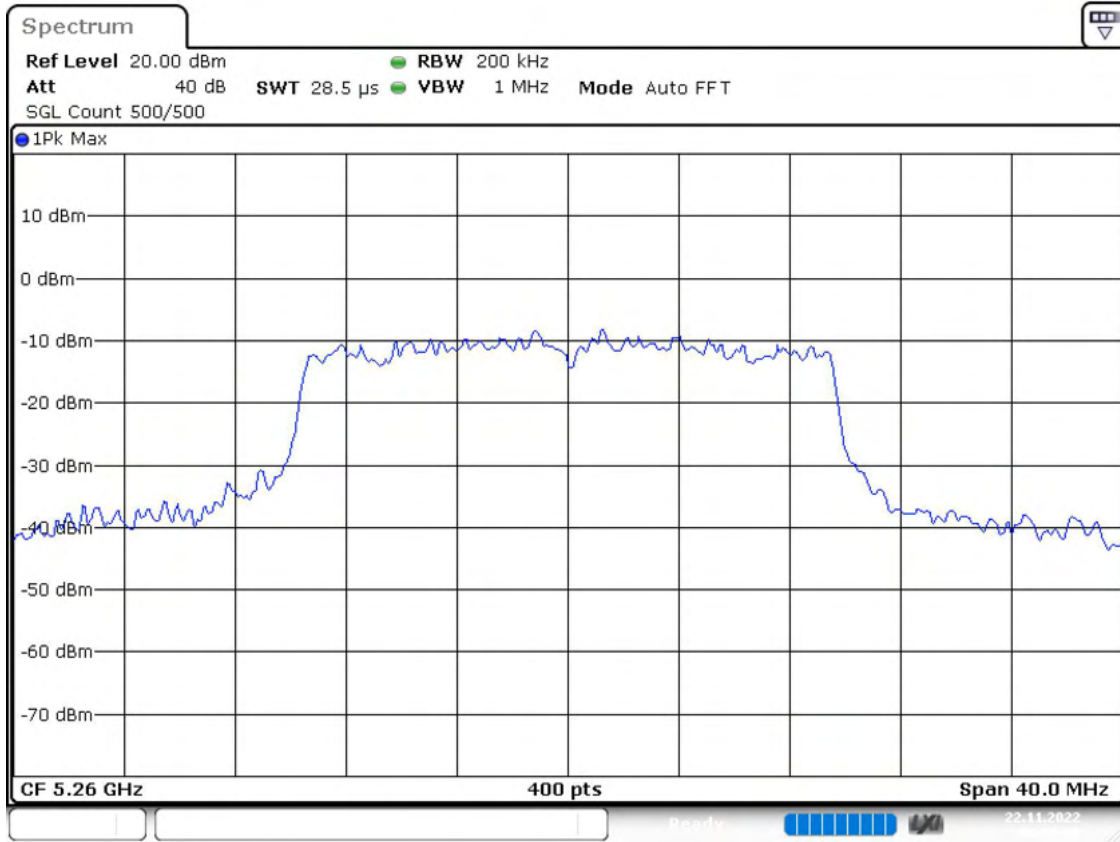
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5260.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 04:55:32

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 | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| SweepTime | 28.477 μ s | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 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)

Customized settings.

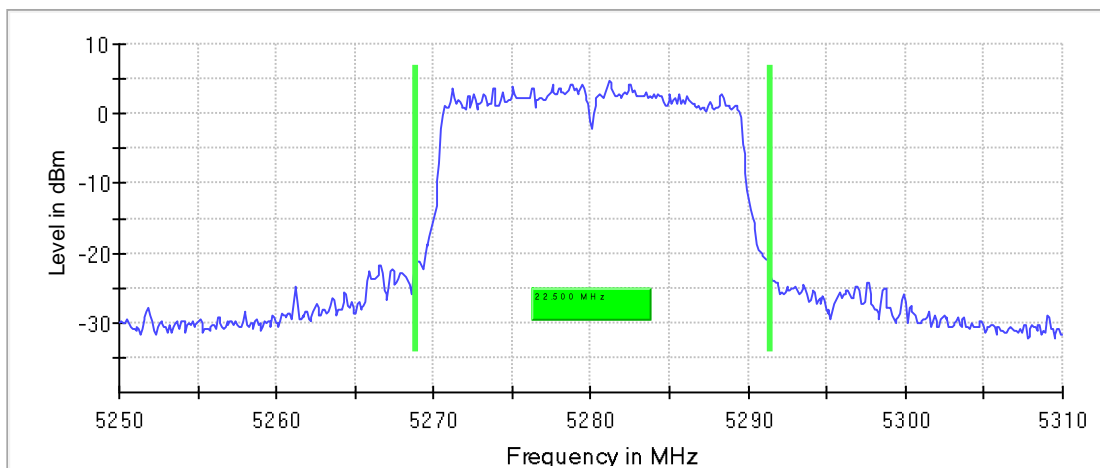
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5280.000000 | 22.500000 | --- | --- | 5268.850000 | 5291.350000 |

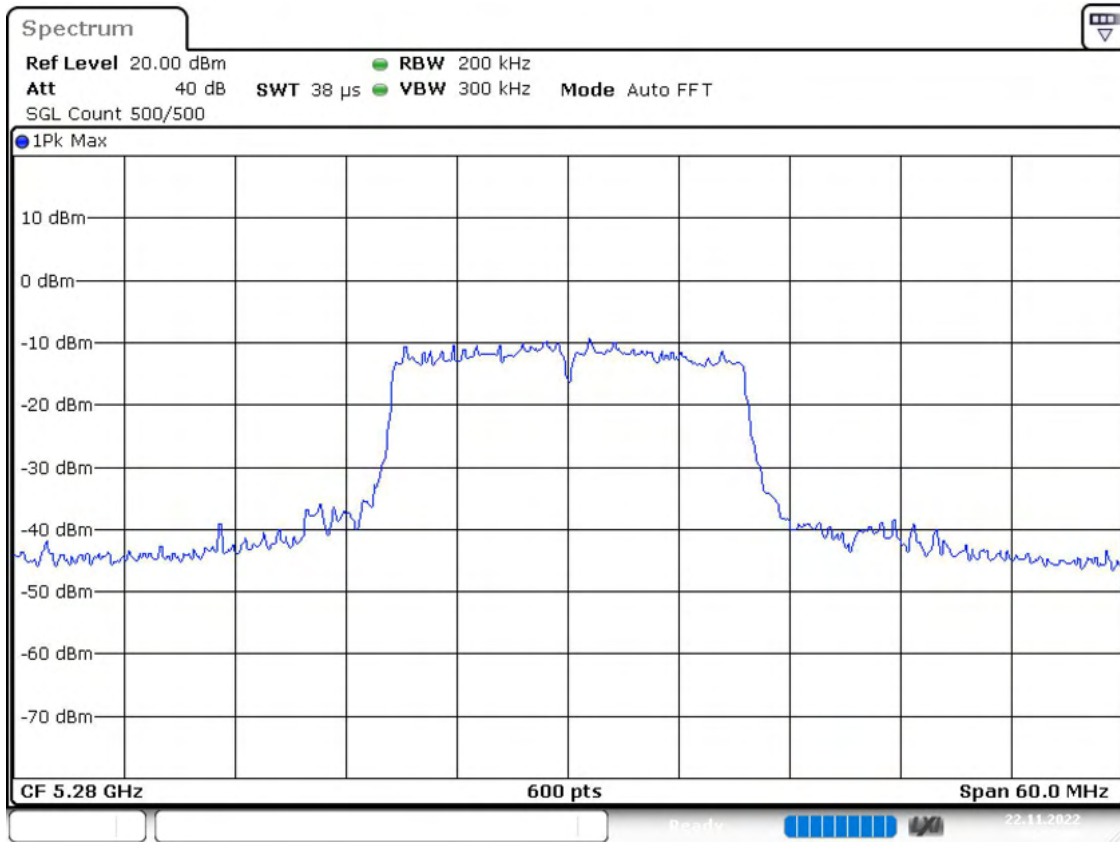
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5280.000000 | 4.8 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 04:57:26

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

Customized settings.

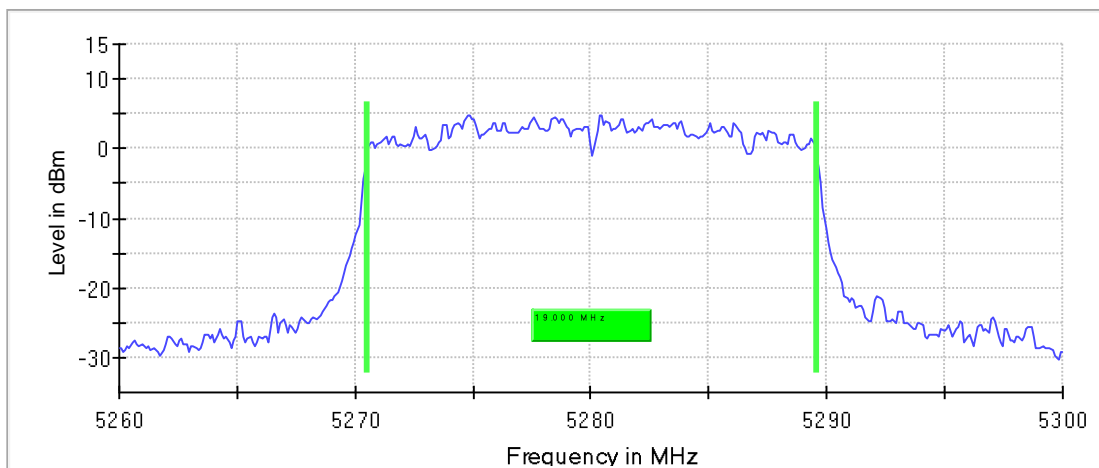
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5280.000000 | 19.000000 | --- | --- | 5270.550000 | 5289.550000 |

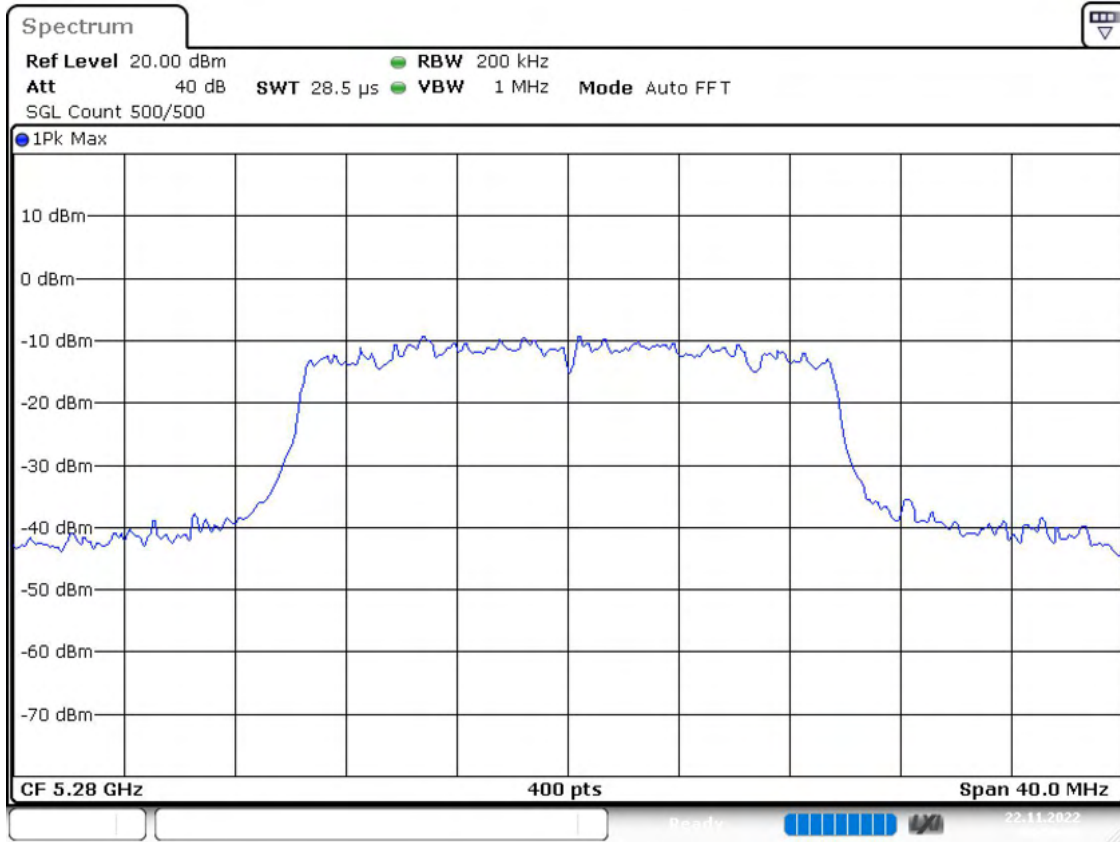
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5280.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 04:58:32

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

Customized settings.

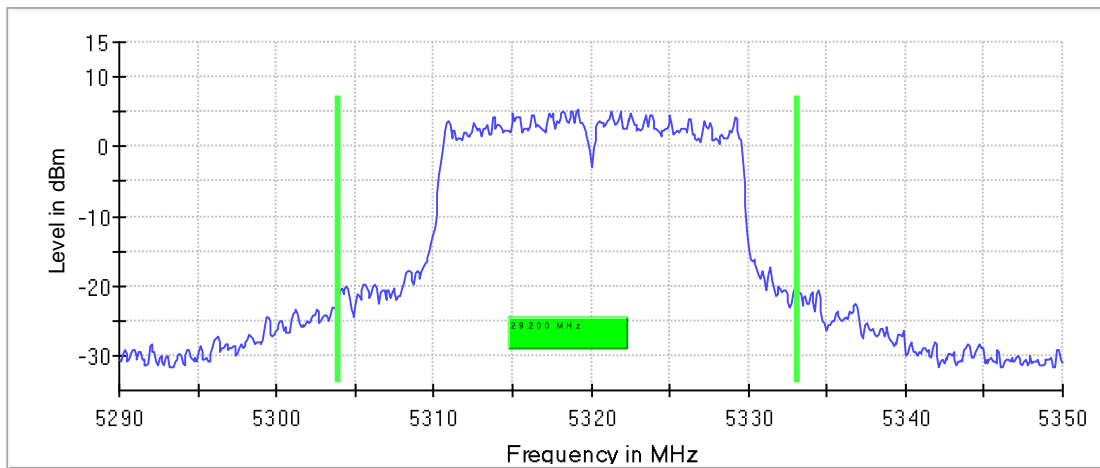
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5320.000000 | 29.200000 | --- | --- | 5303.950000 | 5333.150000 |

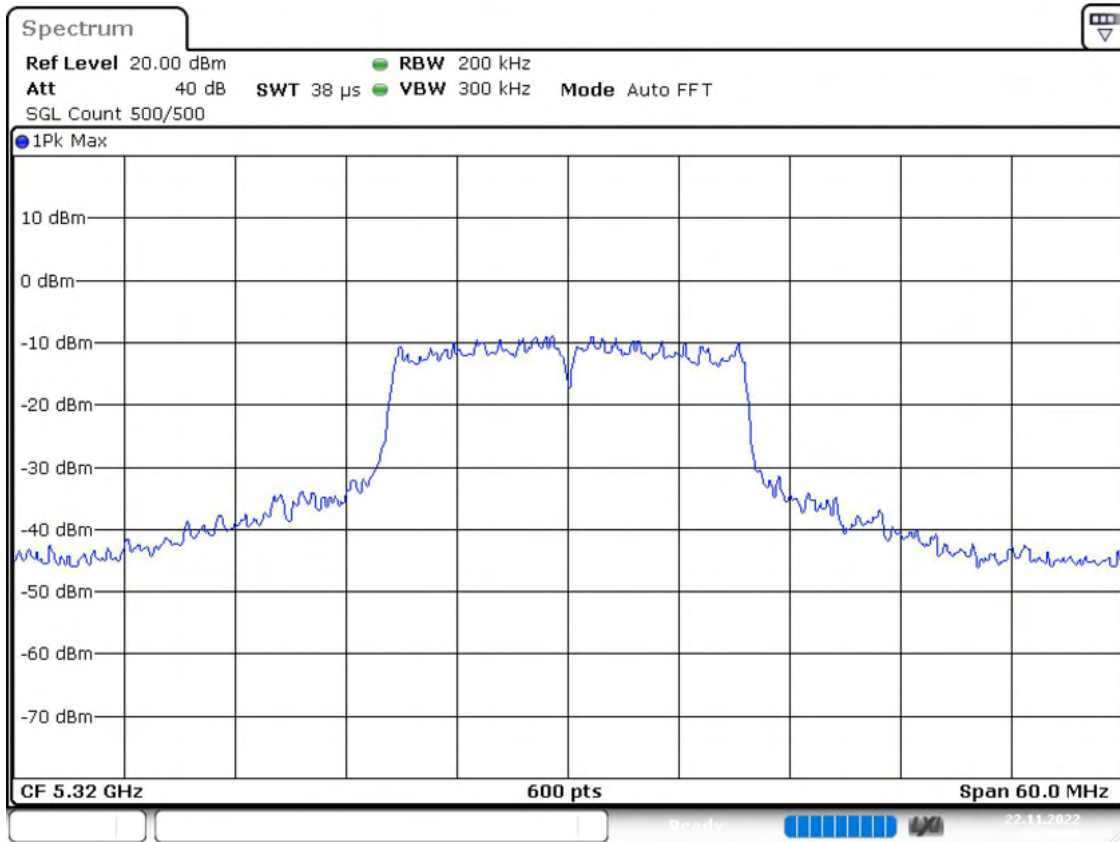
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5320.000000 | 5.4 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 04:59:00

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

Customized settings.

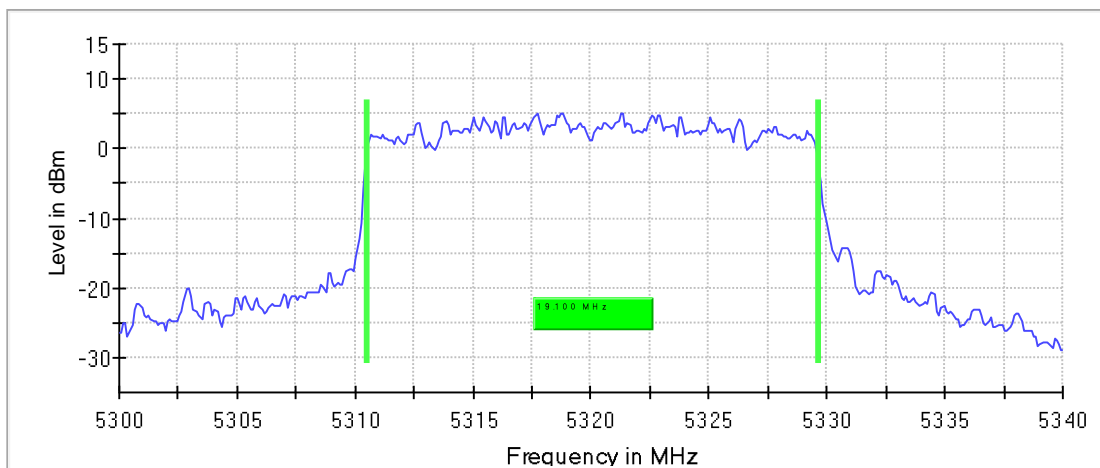
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5320.000000 | 19.100000 | --- | --- | 5310.550000 | 5329.650000 |

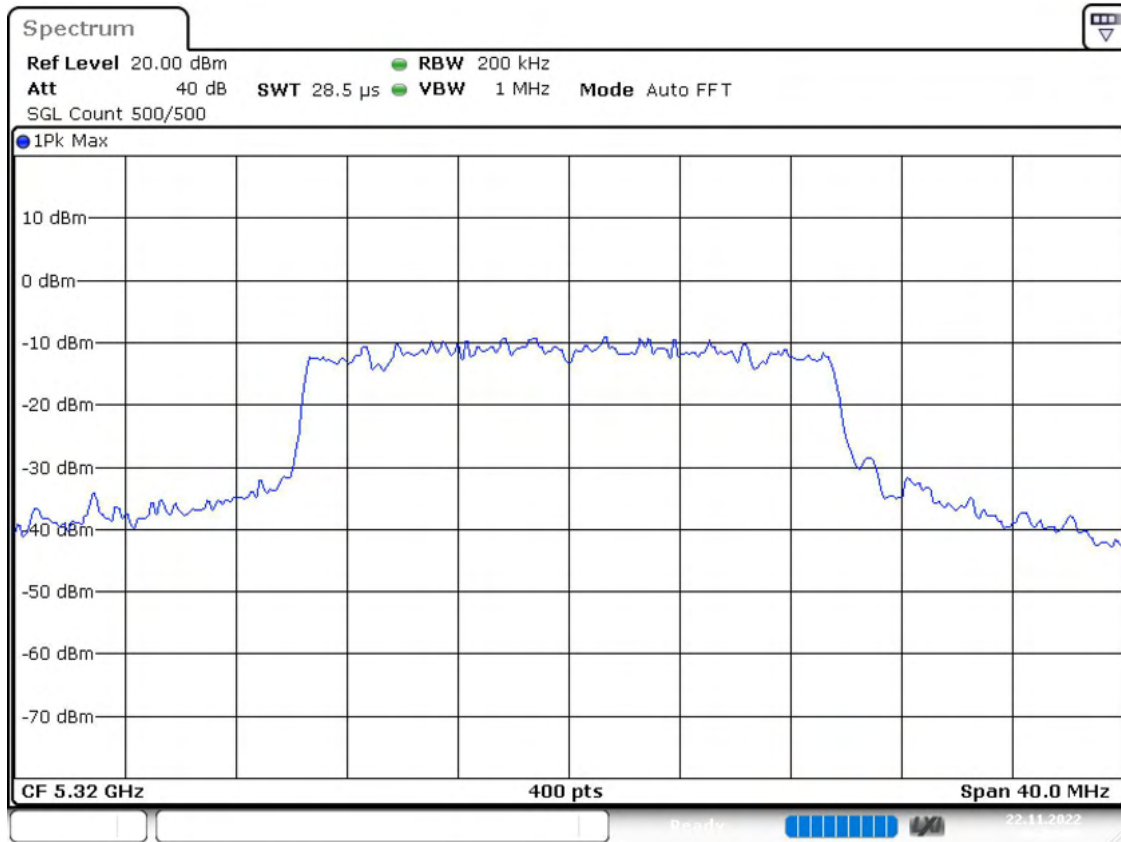
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5320.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 05:00:06

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

Customized settings.

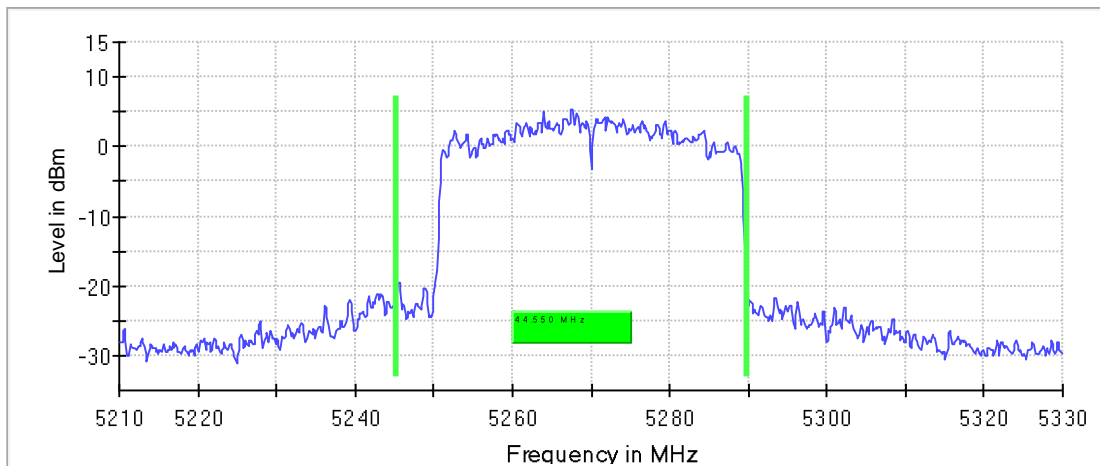
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5270.000000 | 44.550000 | --- | --- | 5245.325000 | 5289.875000 |

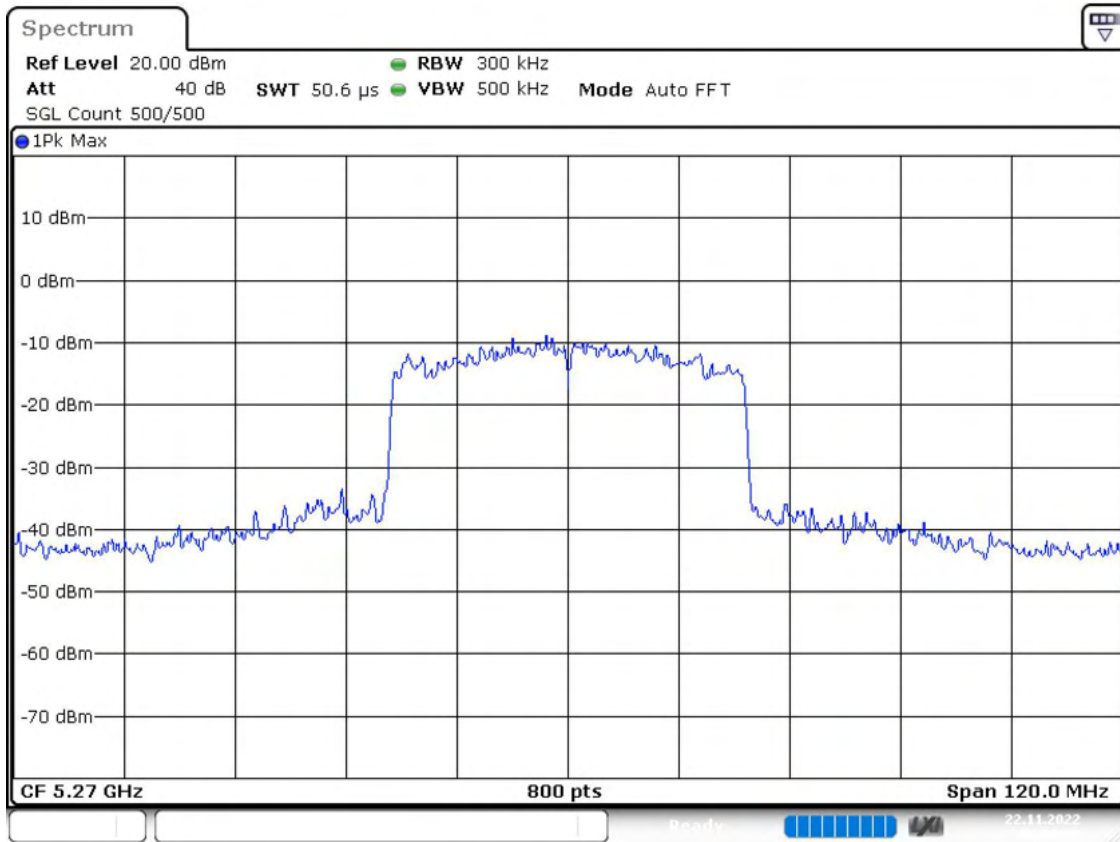
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5270.000000 | 5.4 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 05:00:53

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

Customized settings.

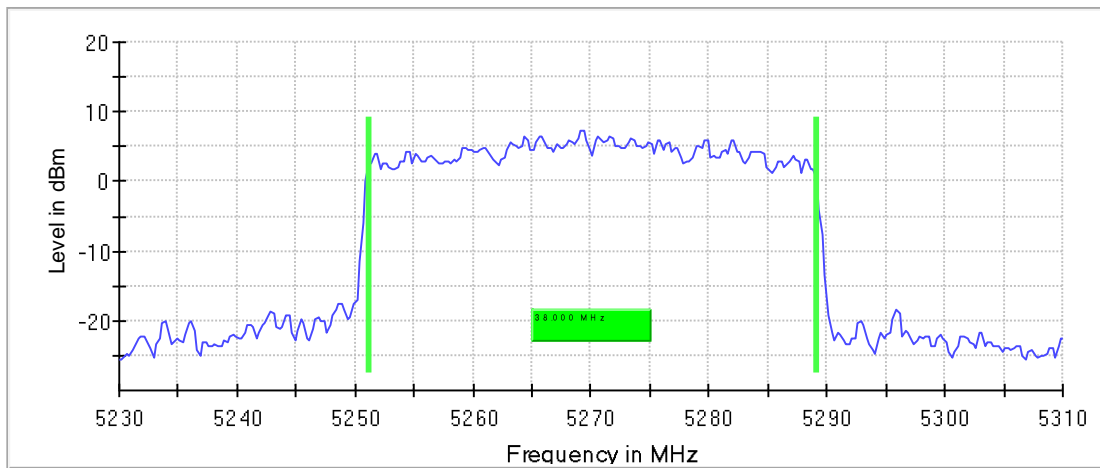
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5270.000000 | 38.000000 | --- | --- | 5251.125000 | 5289.125000 |

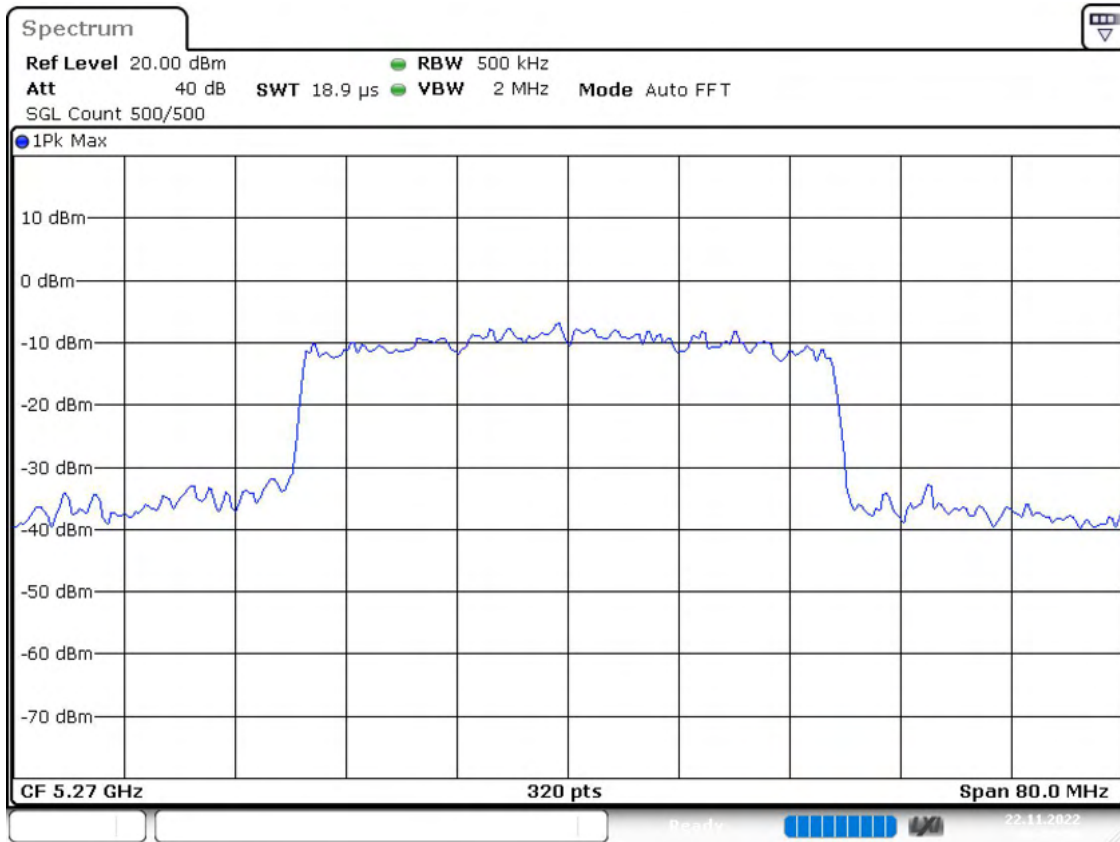
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5270.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 05:01:59

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

Customized settings.

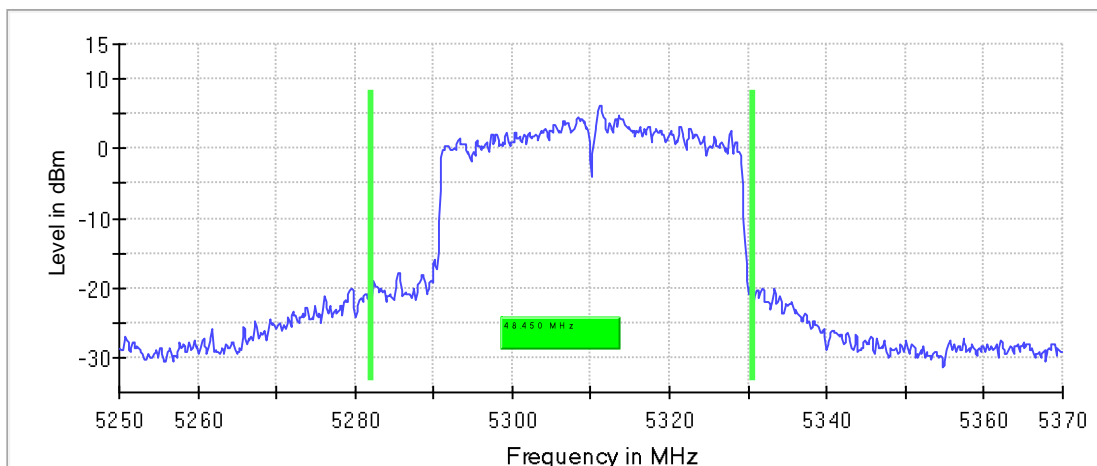
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5310.000000 | 48.450000 | --- | --- | 5282.025000 | 5330.475000 |

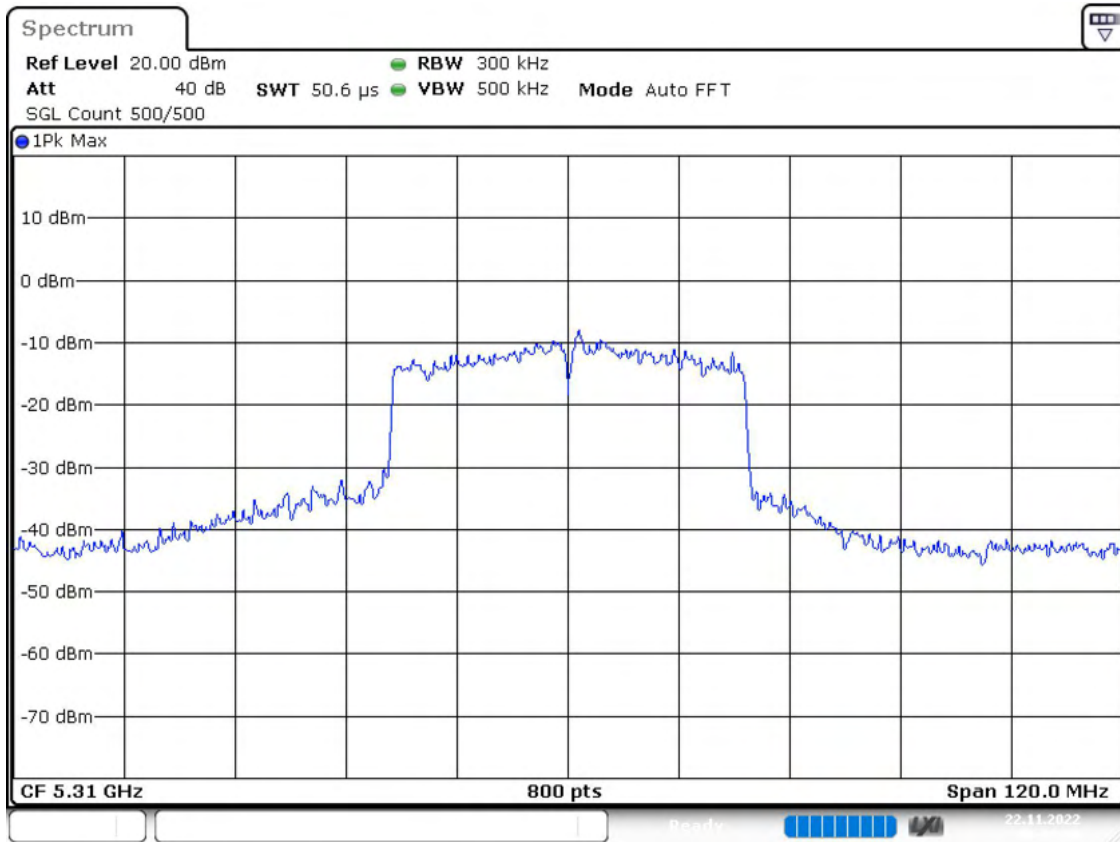
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5310.000000 | 6.3 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 05:02:36

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

Customized settings.

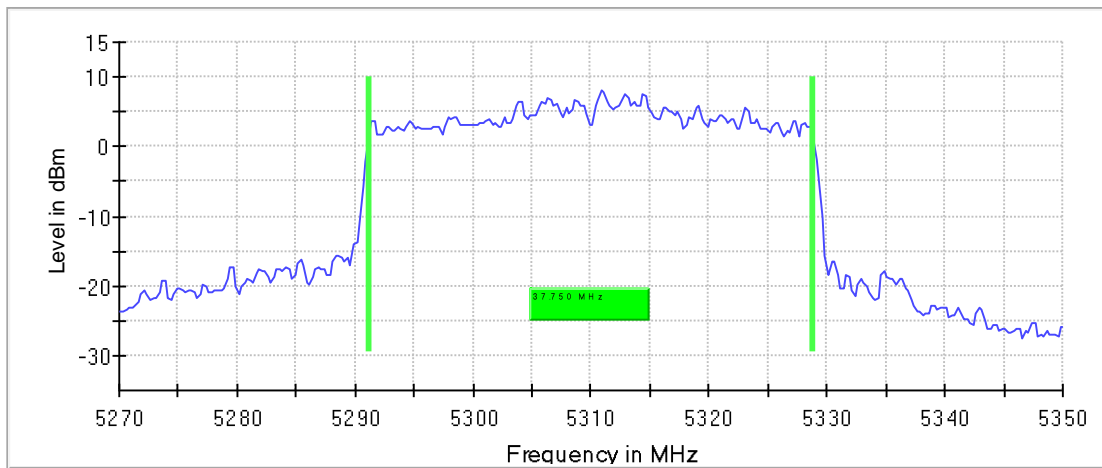
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5310.000000 | 37.750000 | --- | --- | 5291.125000 | 5328.875000 |

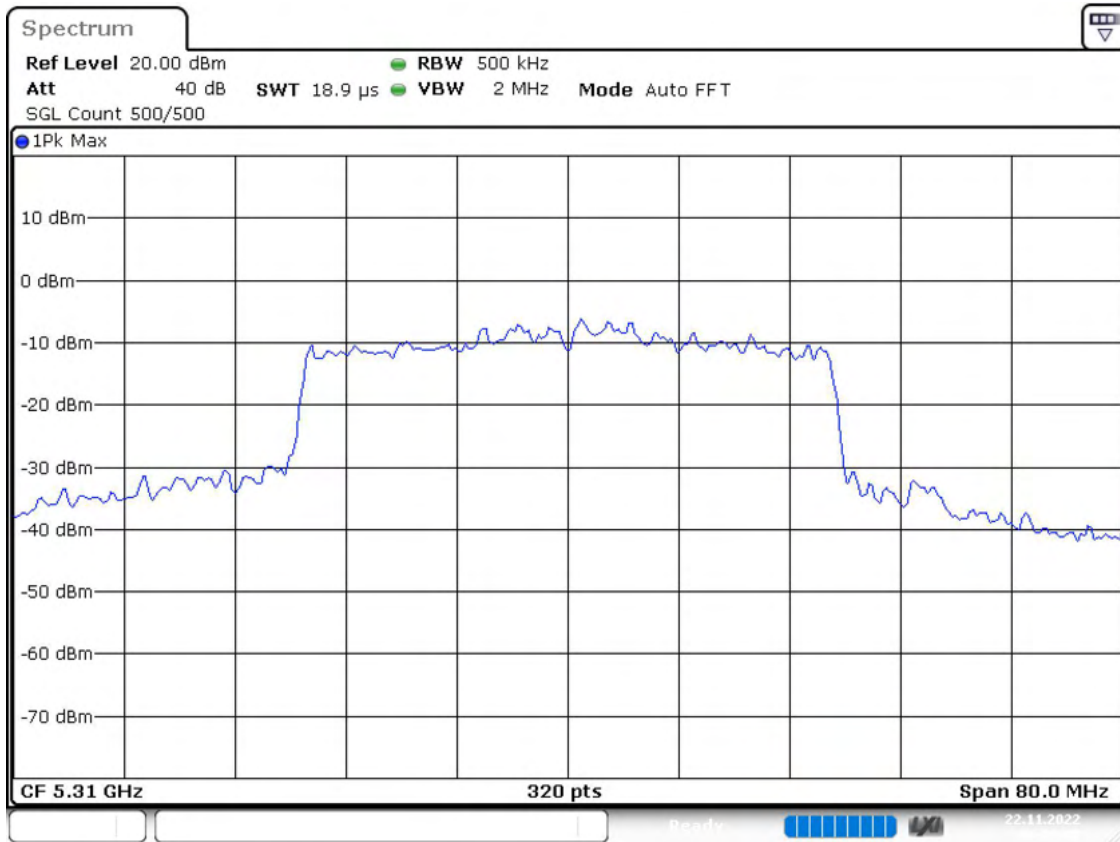
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5310.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 05:03:41

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

Customized settings.

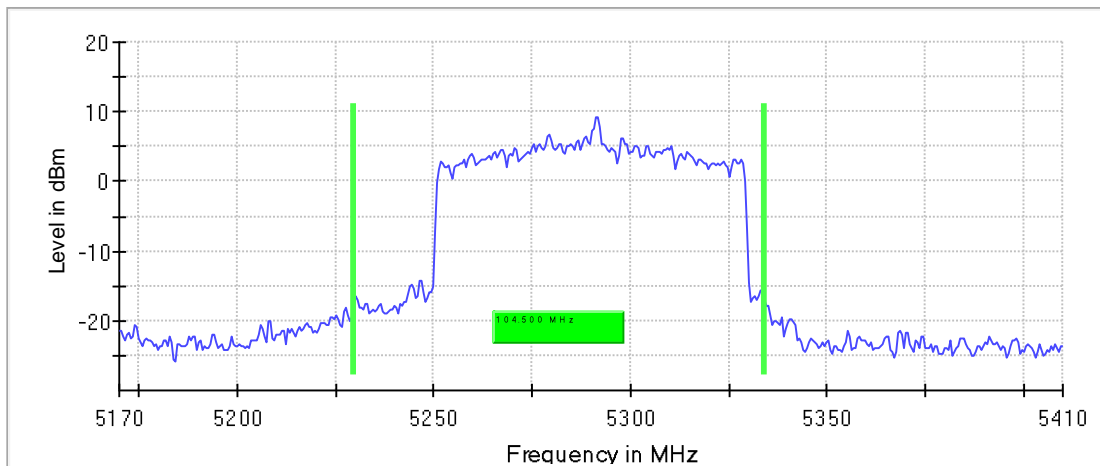
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5290.000000 | 104.500000 | --- | --- | 5229.750000 | 5334.250000 |

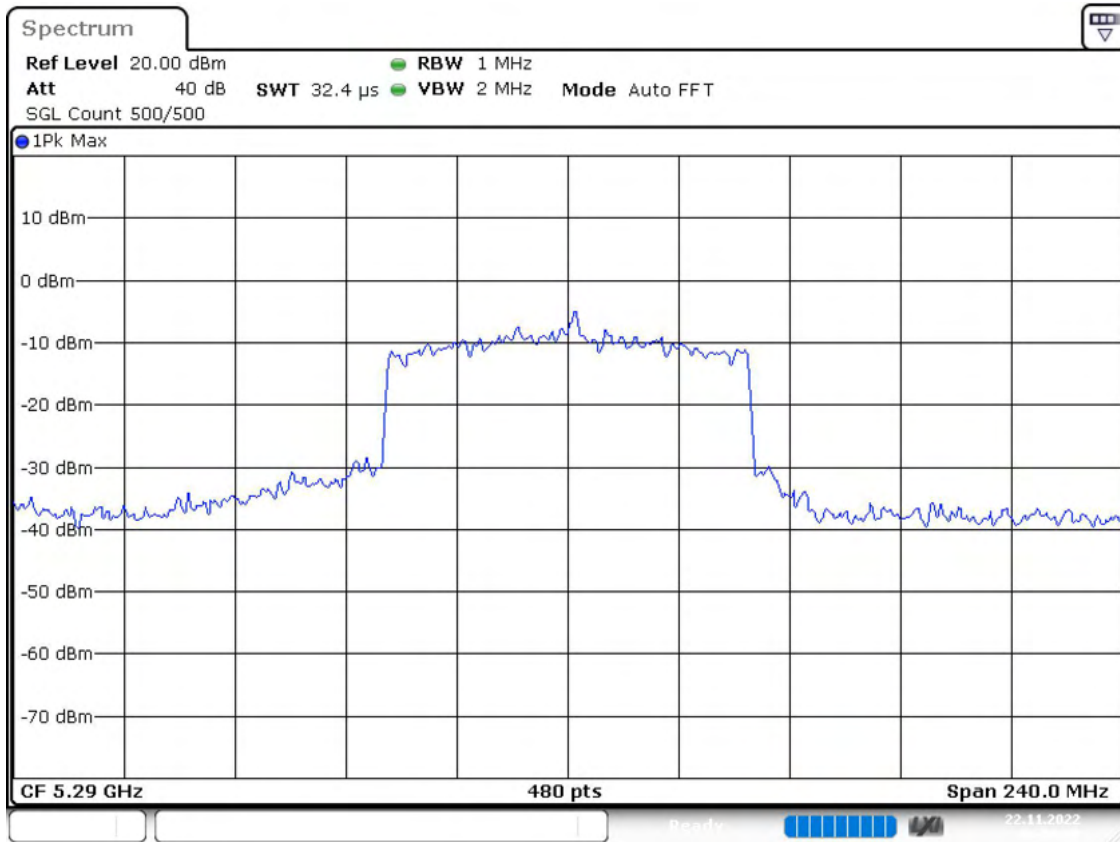
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5290.000000 | 9.2 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 05:04:32

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

Customized settings.

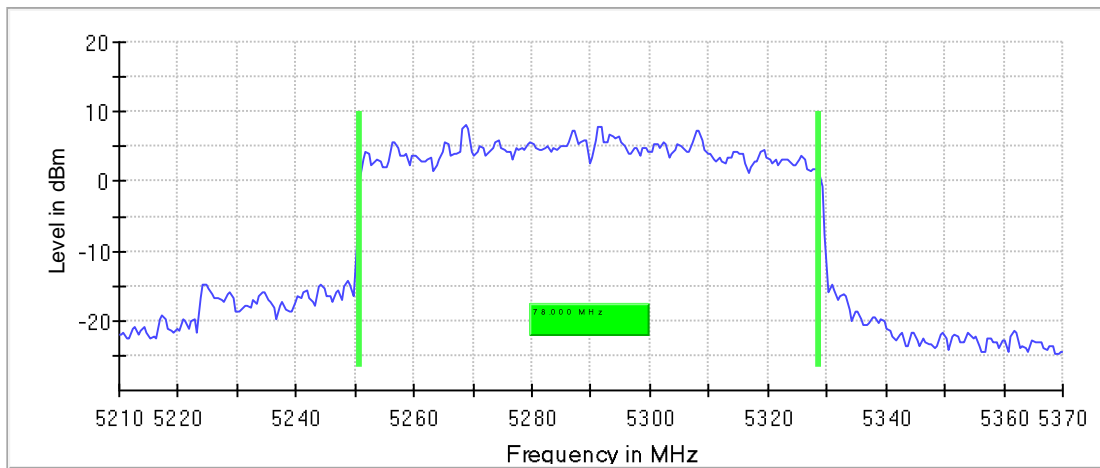
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5290.000000 | 78.000000 | --- | --- | 5250.750000 | 5328.750000 |

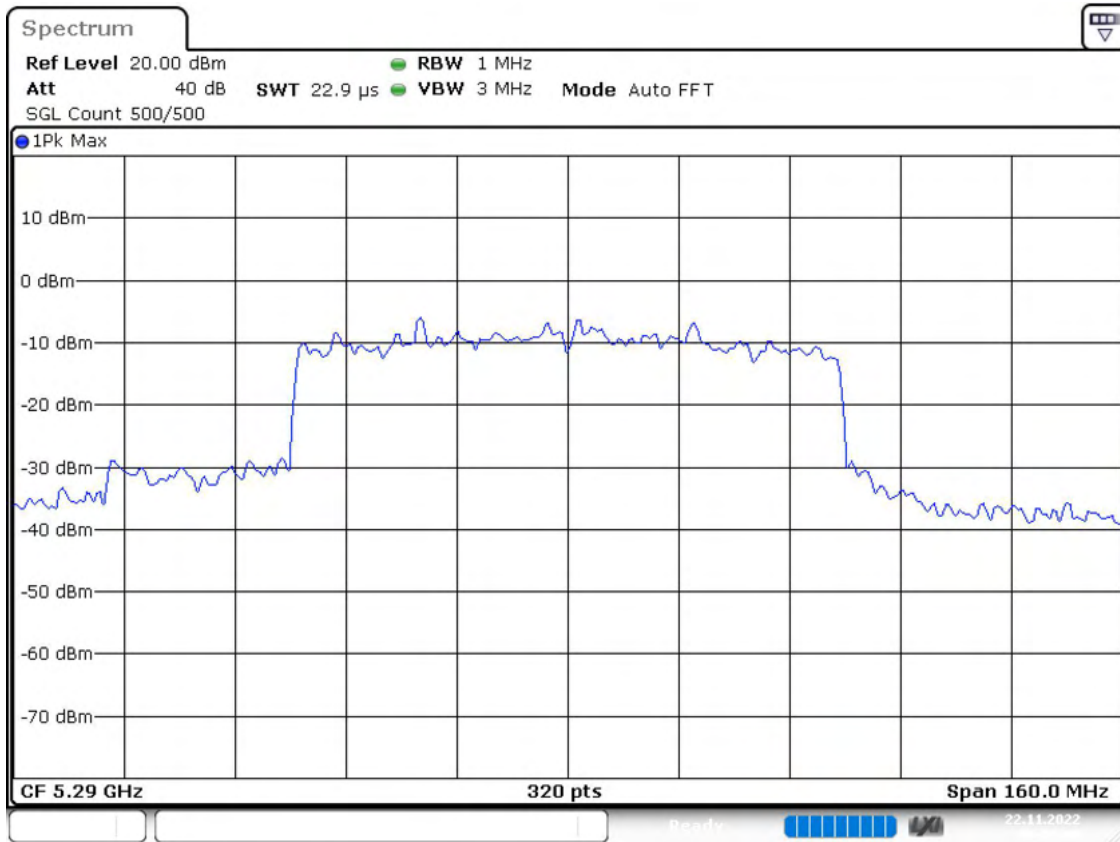
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5290.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 05:05:44

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

Customized settings.

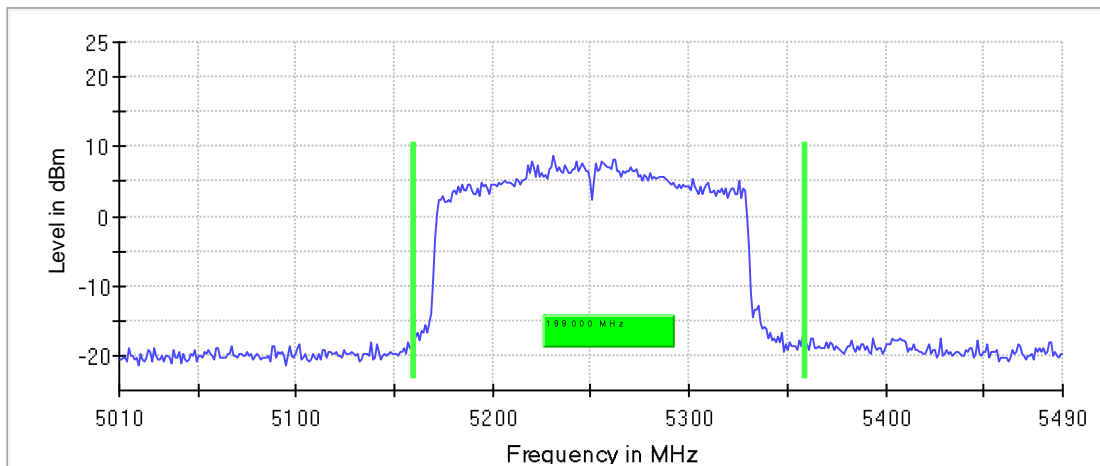
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5250.000000 | 199.000000 | --- | --- | 5159.500000 | 5358.500000 |

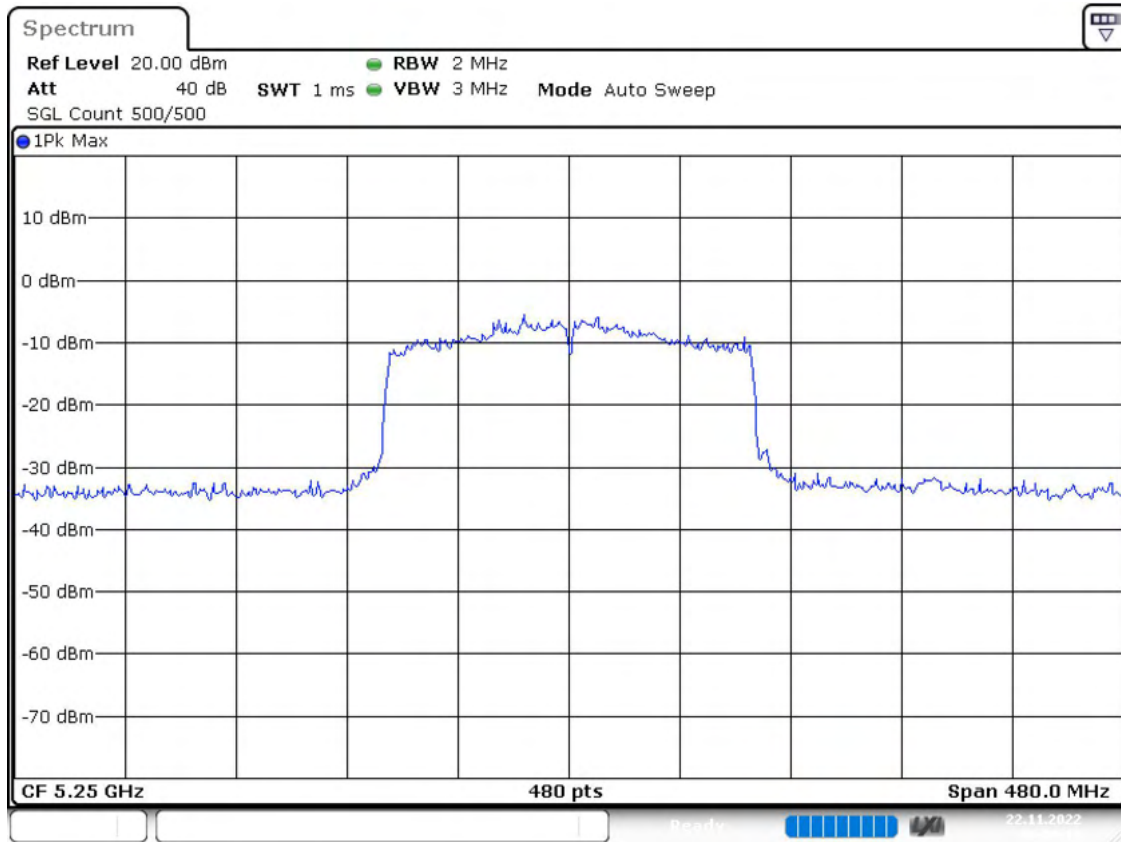
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5250.000000 | 8.7 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 05:08:14

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

Customized settings.

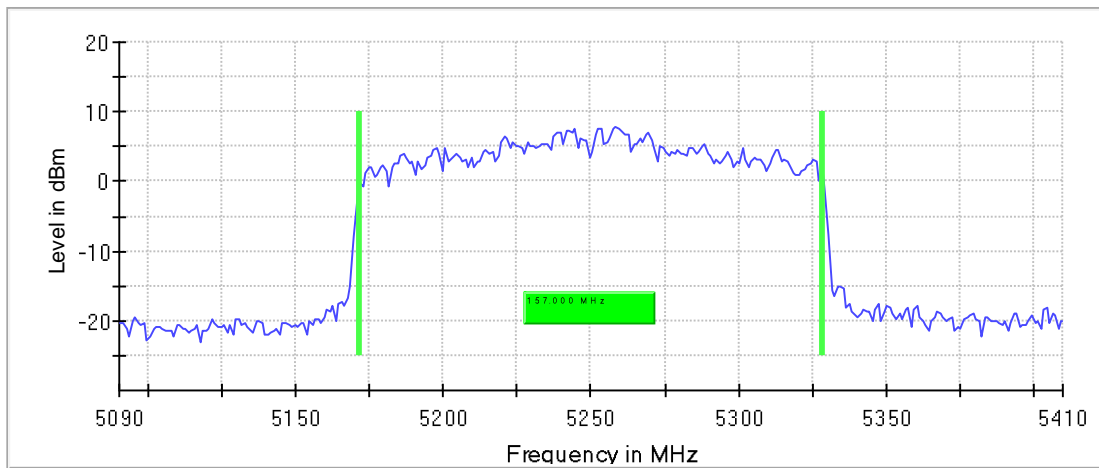
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5250.000000 | 157.000000 | --- | --- | 5171.500000 | 5328.500000 |

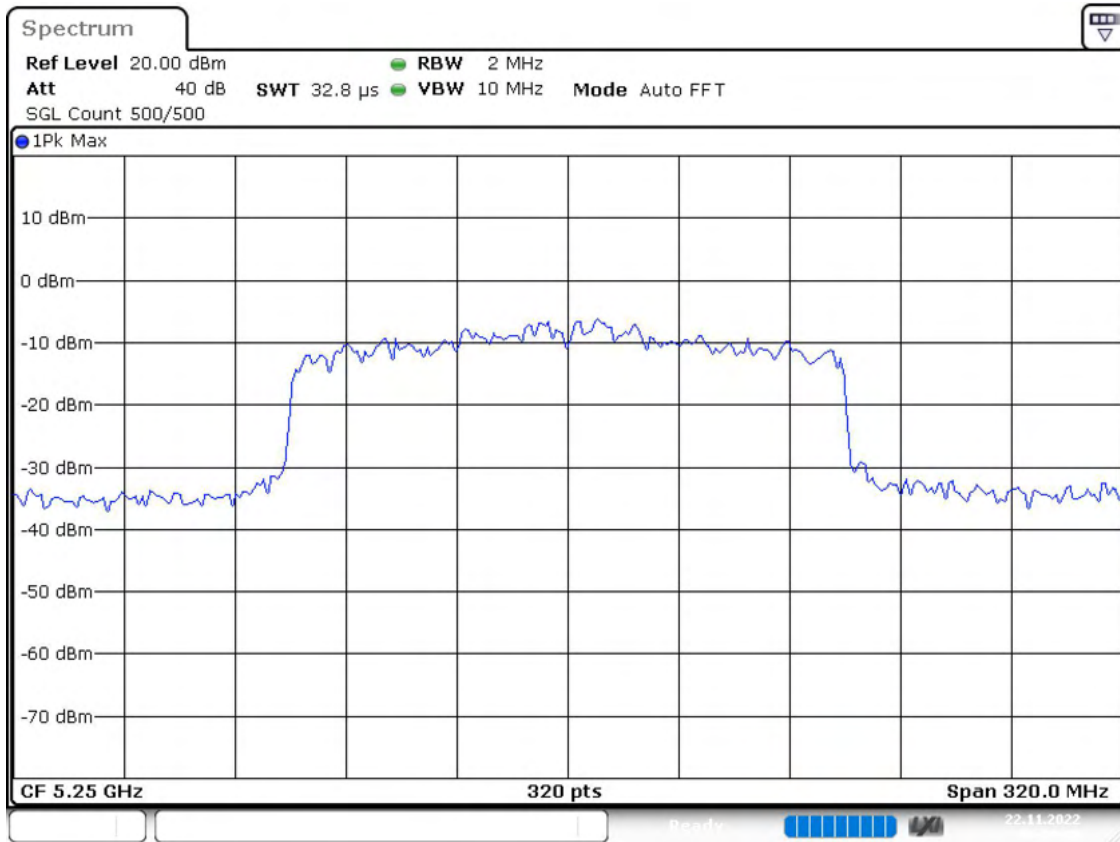
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5250.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 05:09:47

1.2 UNII-2C AX (Worst Case) Summary

Hardware Setup: WMS Measurements\TS8997 Hardware SetupJB

| | |
|--------------------|---|
| Spectrum Analyzer: | SA FSV 40 (SA FSV 40) @ VISA (ADR TCPIP::192.168.48.100::inst0::instr), SN 1321.3008K40/101752, FW 3.70 |
| Vector Generator: | VG SMW200A (VG SMW200A) @ VISA (ADR TCPIP0::A-N5182B-301471::inst0::INSTR), SN 101752, FW 3.70 |
| Generator: | SMB100A (SMB100A) @ VISA (ADR TCPIP::---,---,---,---:inst0::instr) |
| OSP: | OSP-B157W8PLUS (OSP-B157W8PLUS) @ VISA (ADR TCPIP::192.168.48.157::inst0::instr), SN 1527.1144.06 / 100955, FW 2.00.1.0 |

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.

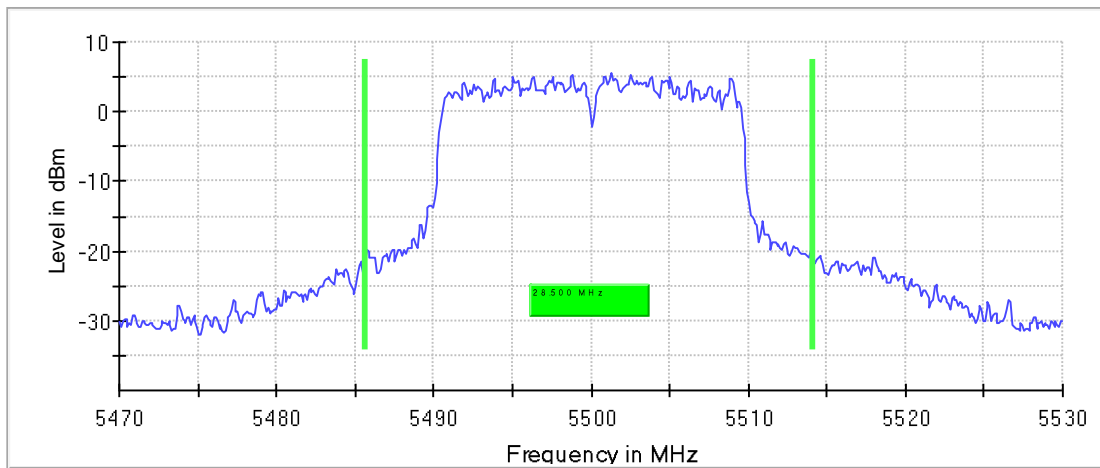
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5500.000000 | 28.500000 | --- | --- | 5485.650000 | 5514.150000 |

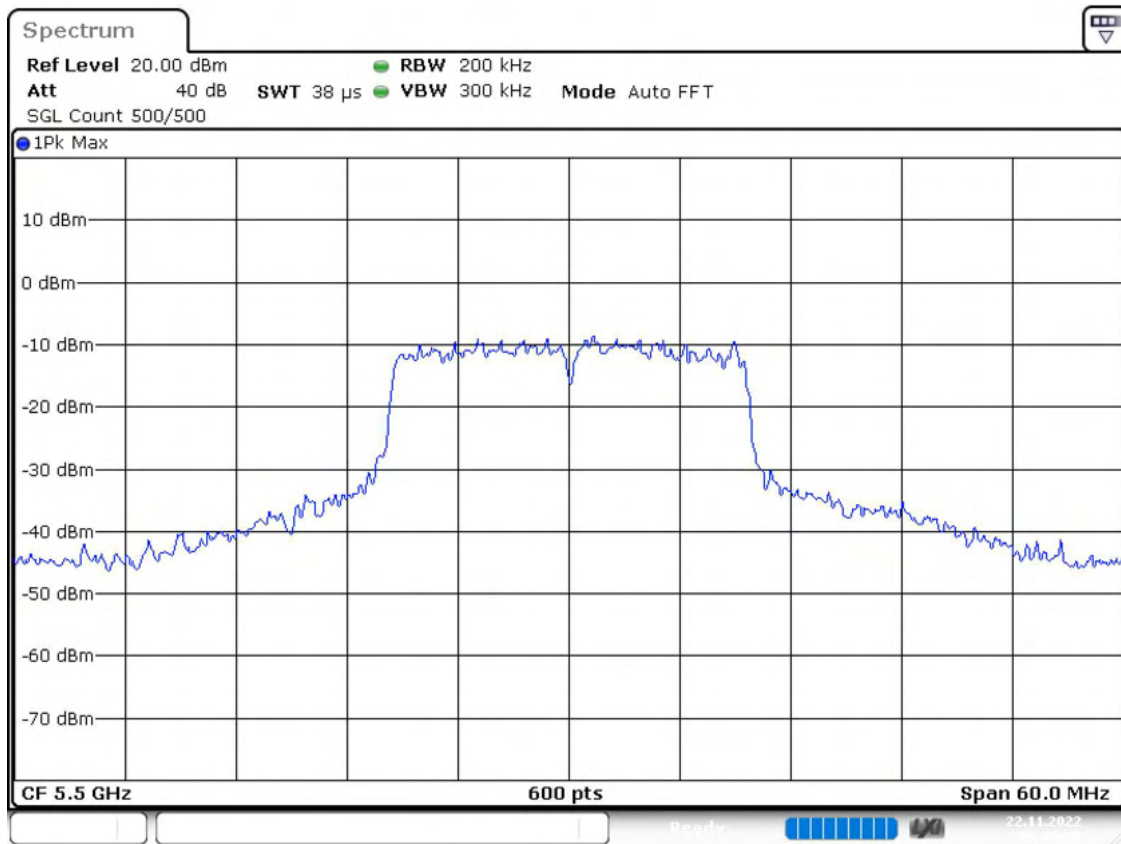
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5500.000000 | 5.6 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 06:47:42

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 | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 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 | 23.6 | 24.0 | 23.6 | 89.984 | 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.

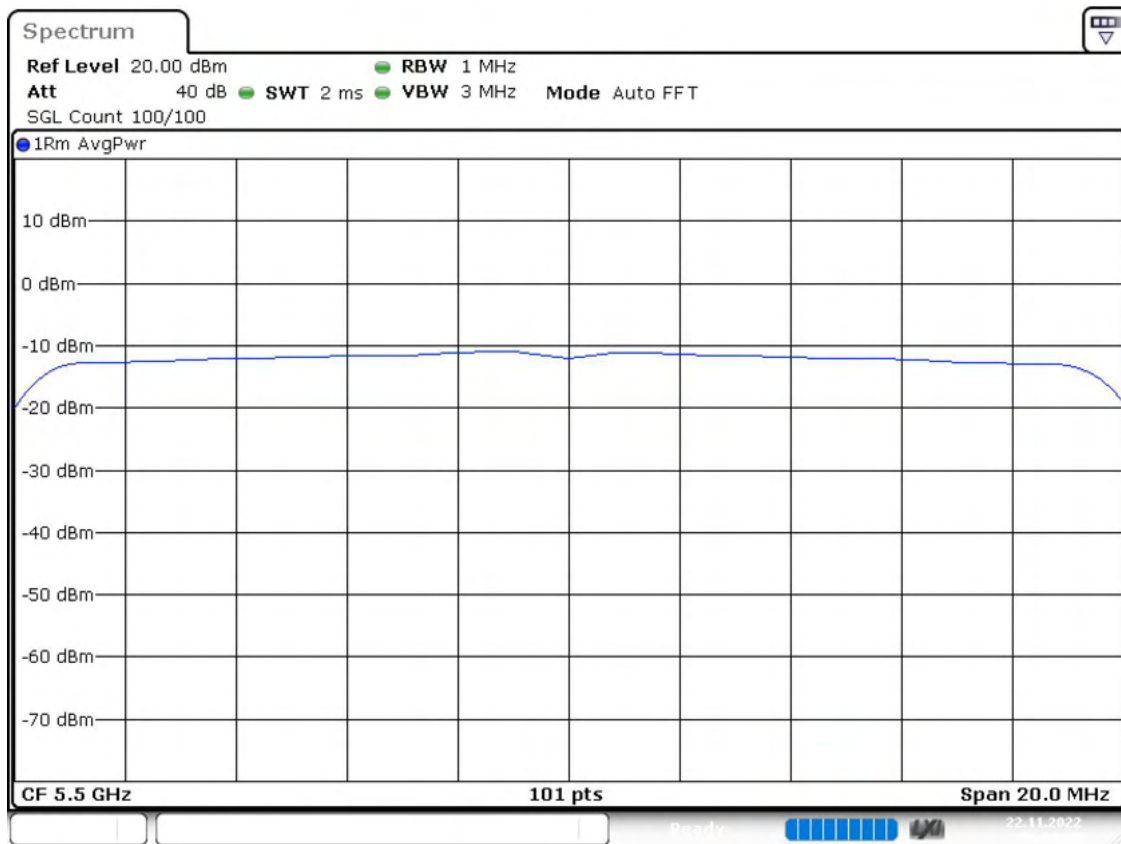
Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5500.000000 | 5501.188119 | 8.310 | 11.0 | PASS |

Ports

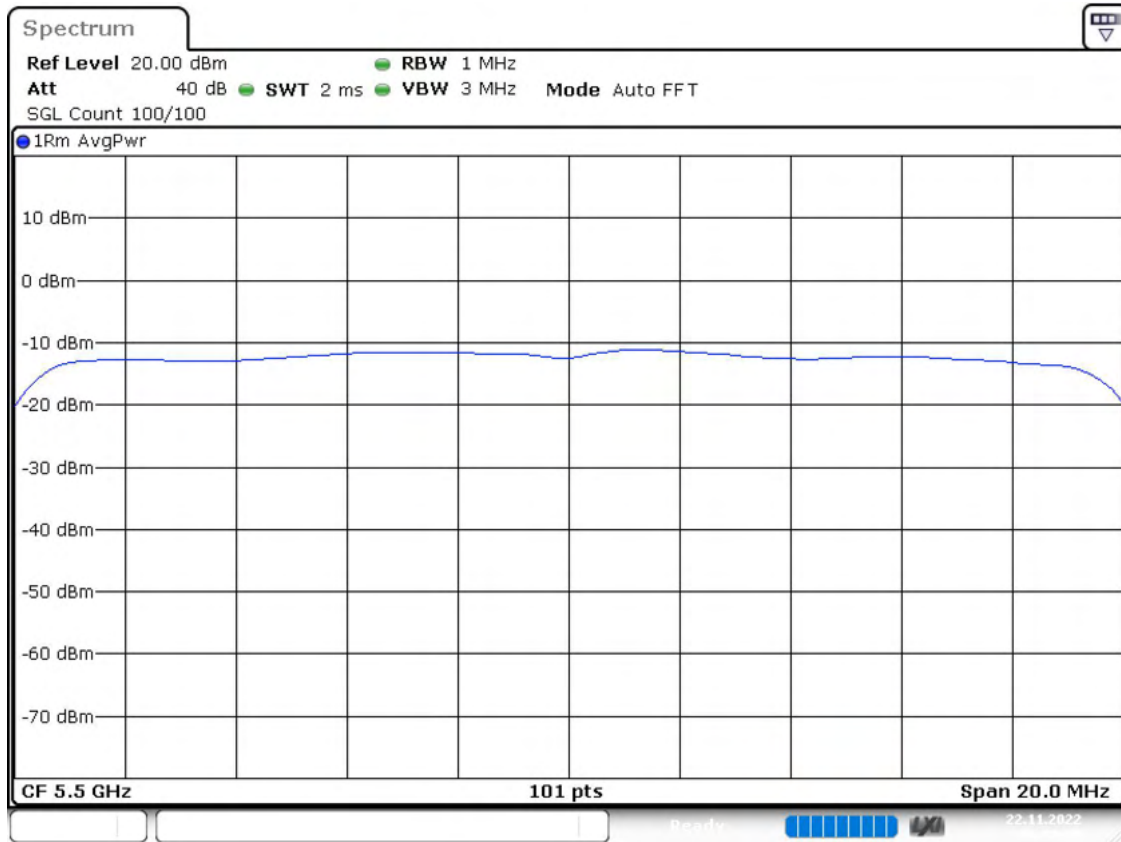
| Port | State |
|------|-------|
| 1 | used |
| 2 | used |
| 3 | used |

PSD Connector 1



Date: 22.NOV.2022 06:48:30

PSD Connector 2



Date: 22.NOV.2022 06:48:35

PSD Connector 3

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

Customized settings.

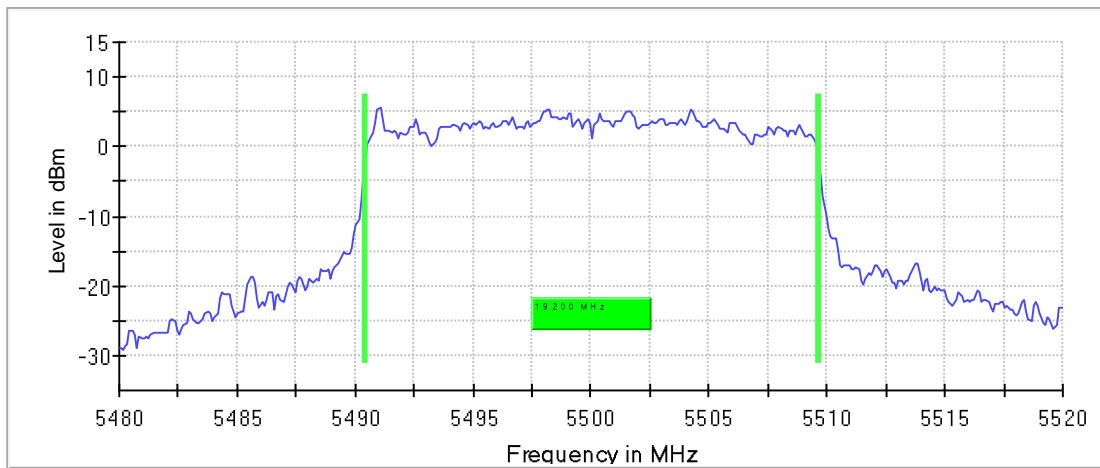
99 % Bandwidth

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

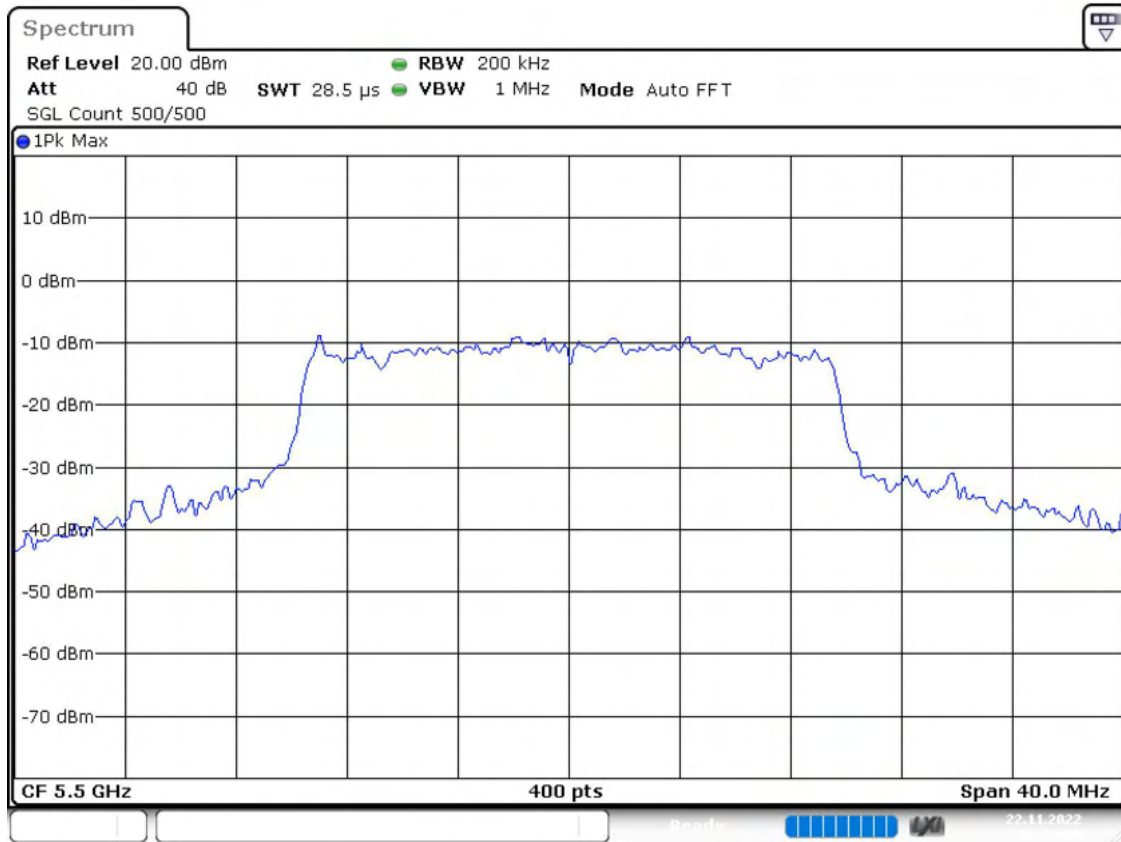
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5500.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 06:48:49

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 μs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 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.

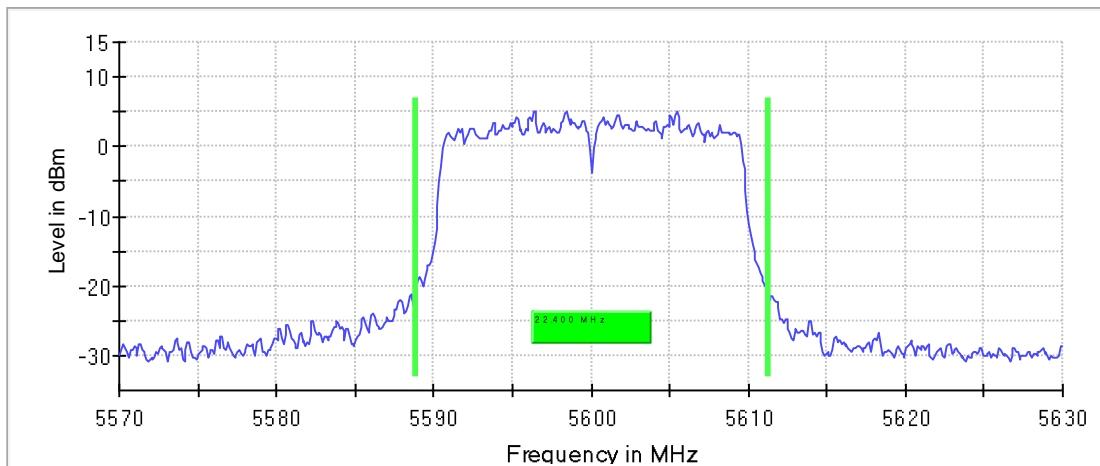
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5600.000000 | 22.400000 | --- | --- | 5588.850000 | 5611.250000 |

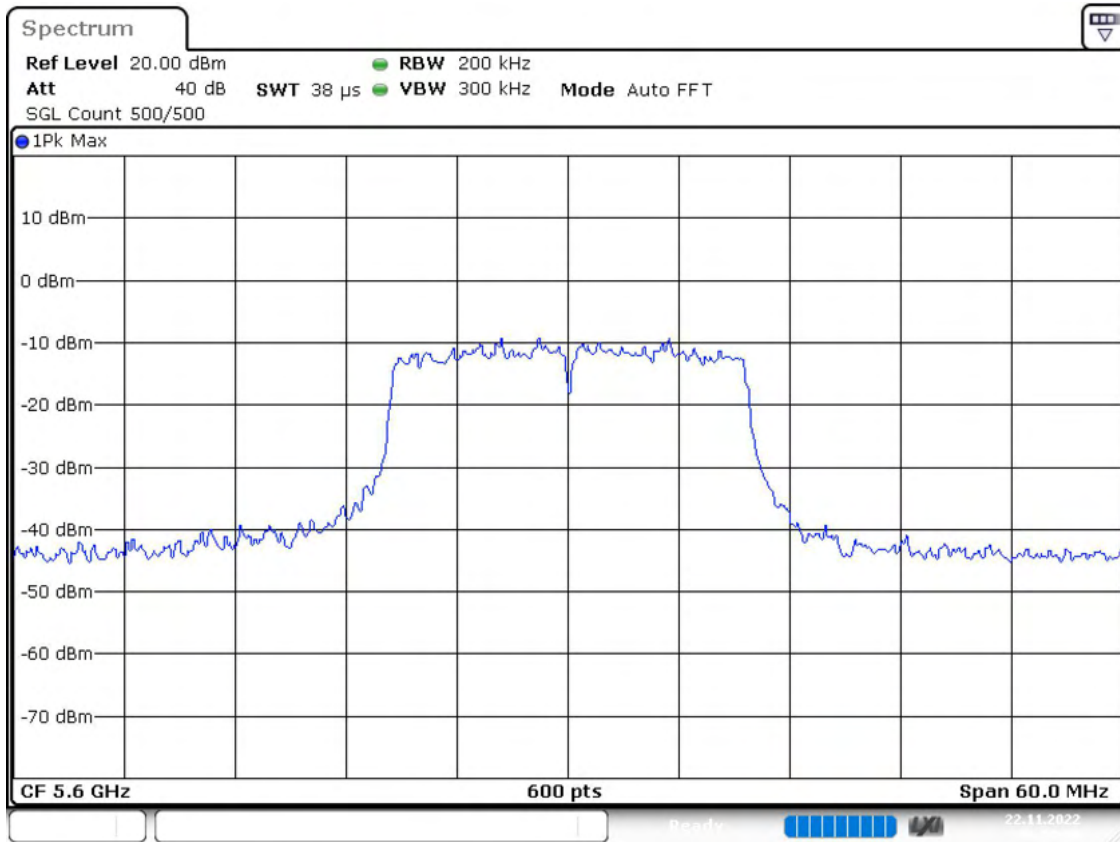
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5600.000000 | 5.1 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 06:50:37

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

Customized settings.

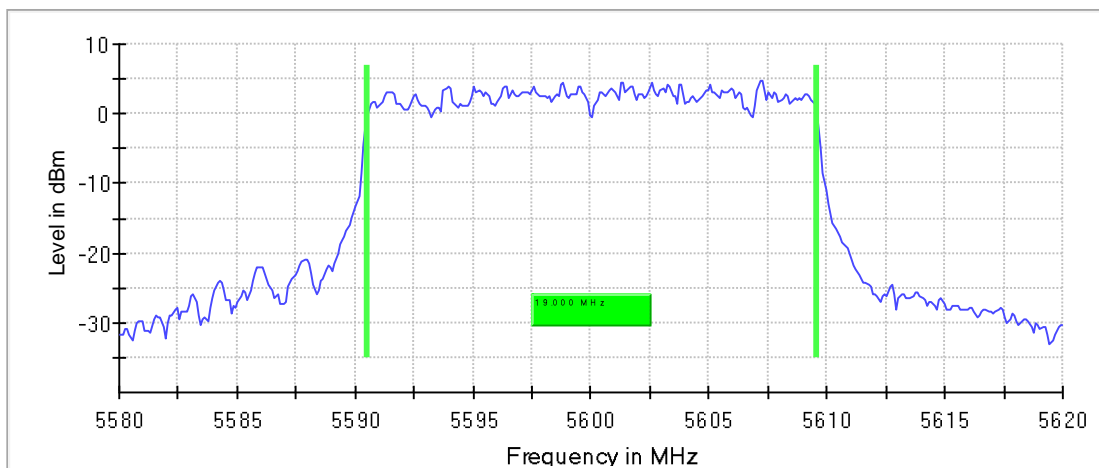
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5600.000000 | 19.000000 | --- | --- | 5590.550000 | 5609.550000 |

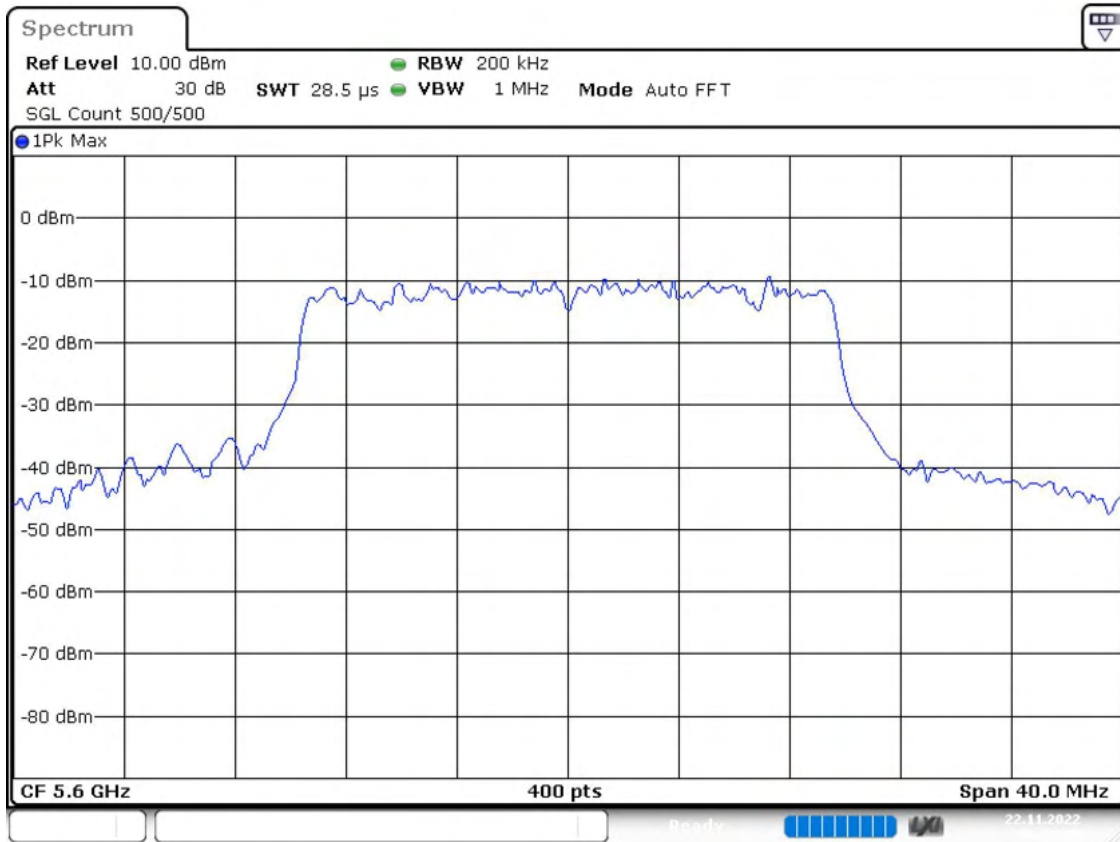
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5600.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 06:51:43

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

Customized settings.

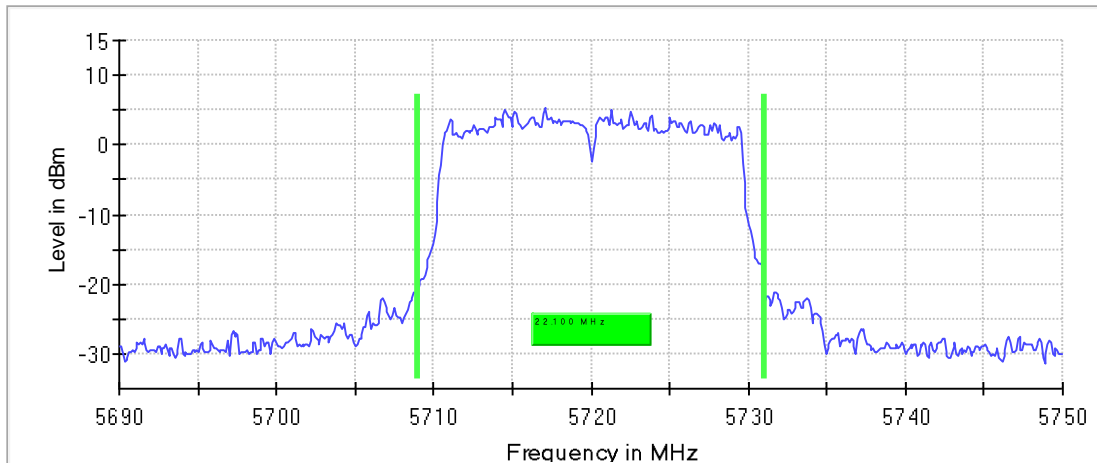
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5720.000000 | 22.100000 | 16.050000 | 6.050000 | --- | --- |

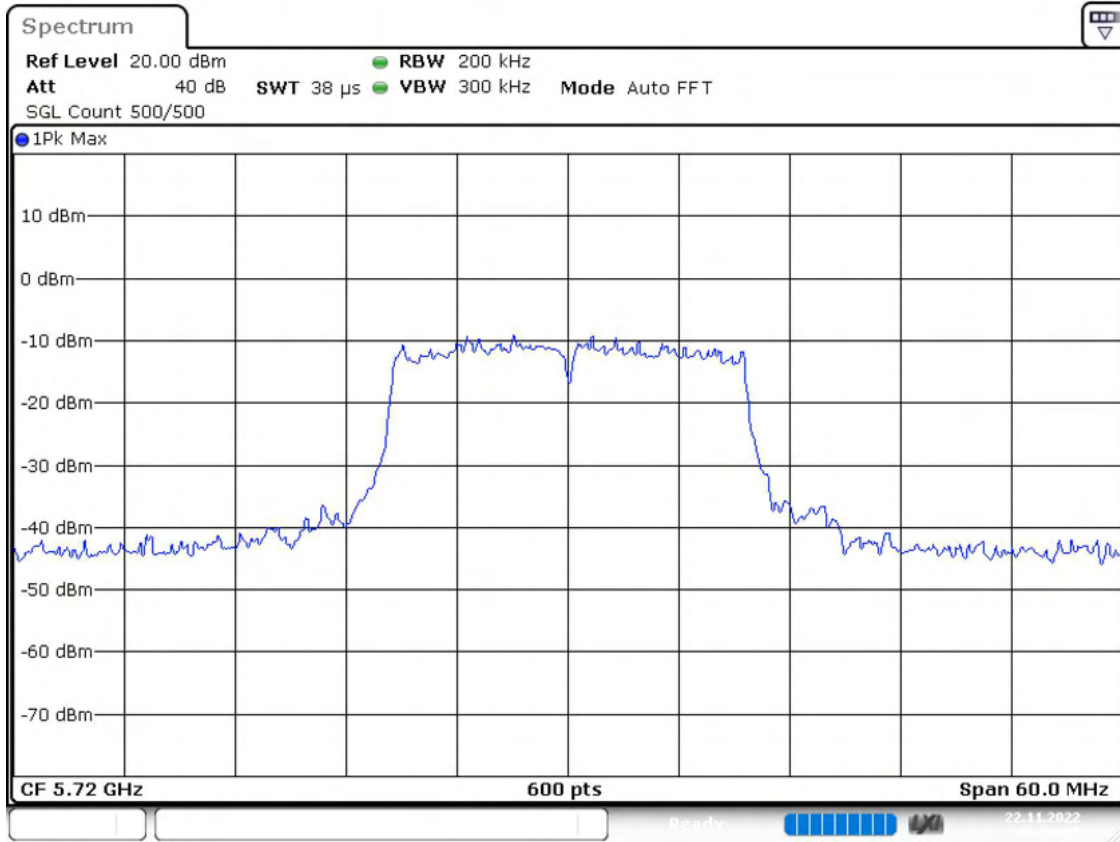
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5720.000000 | 5708.950000 | 5731.050000 | 5.3 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 06:53:28

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

Customized settings.

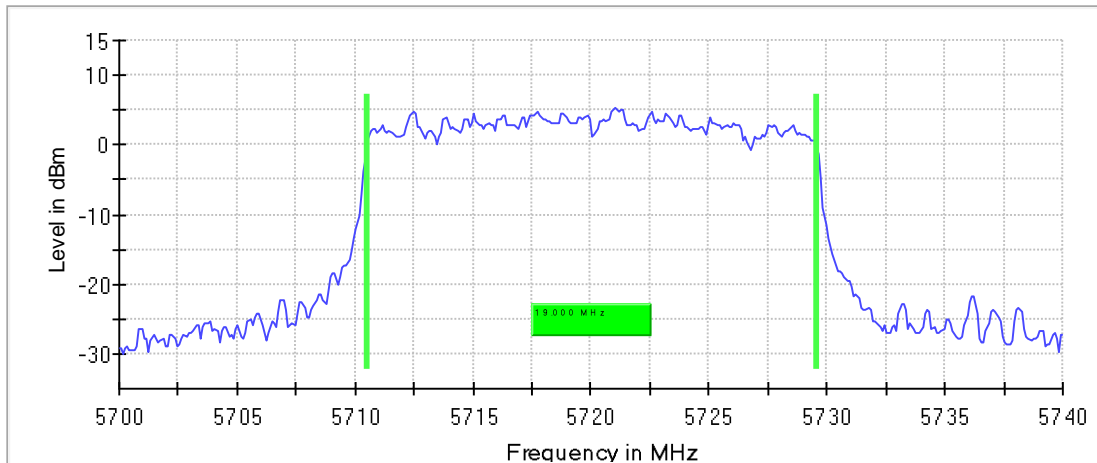
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5720.000000 | 19.000000 | 14.450000 | 4.550000 | --- | --- |

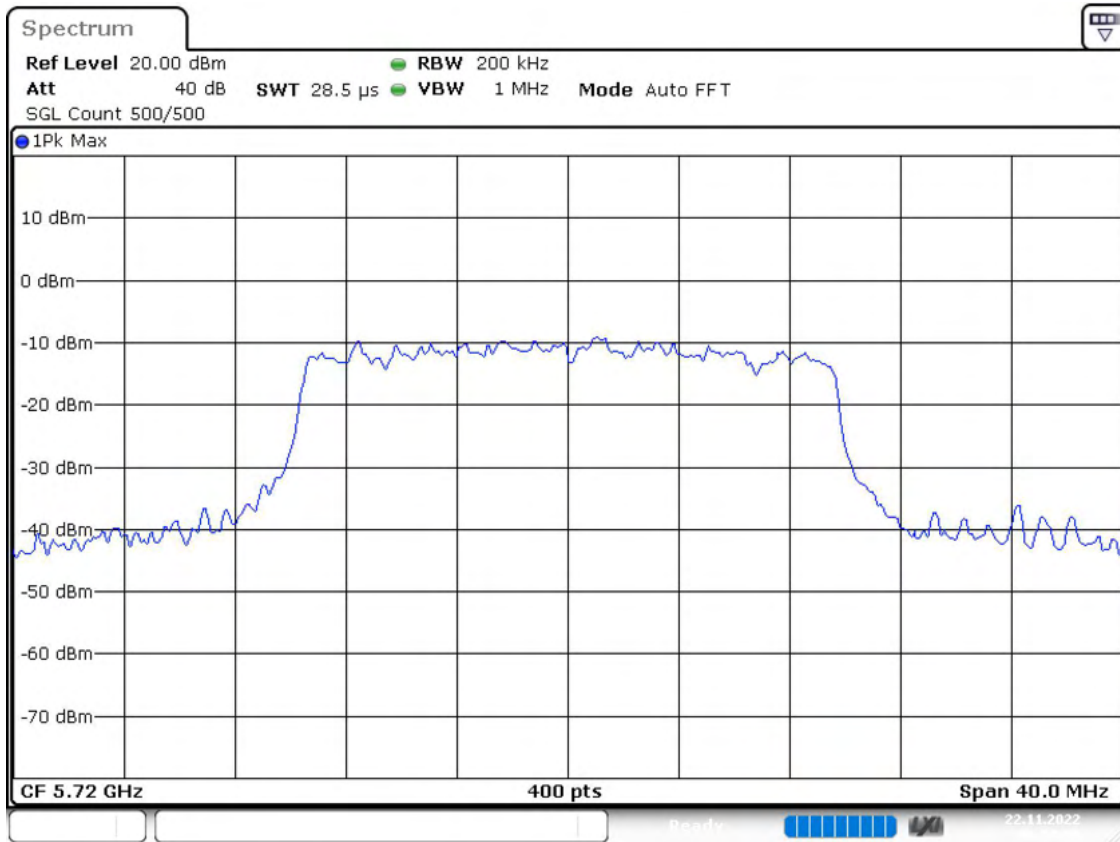
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5720.000000 | 5710.550000 | 5729.550000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 06:54:34

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

Customized settings.

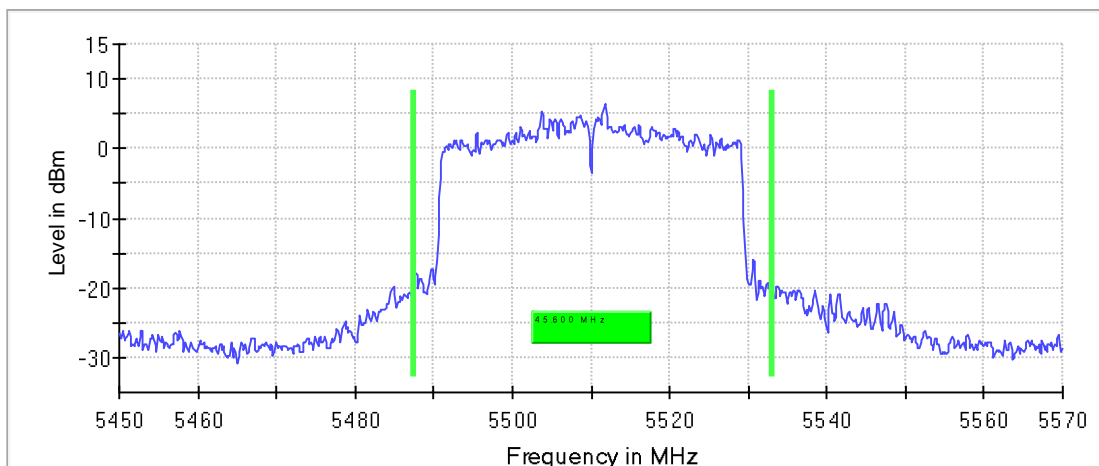
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5510.000000 | 45.600000 | --- | --- | 5487.425000 | 5533.025000 |

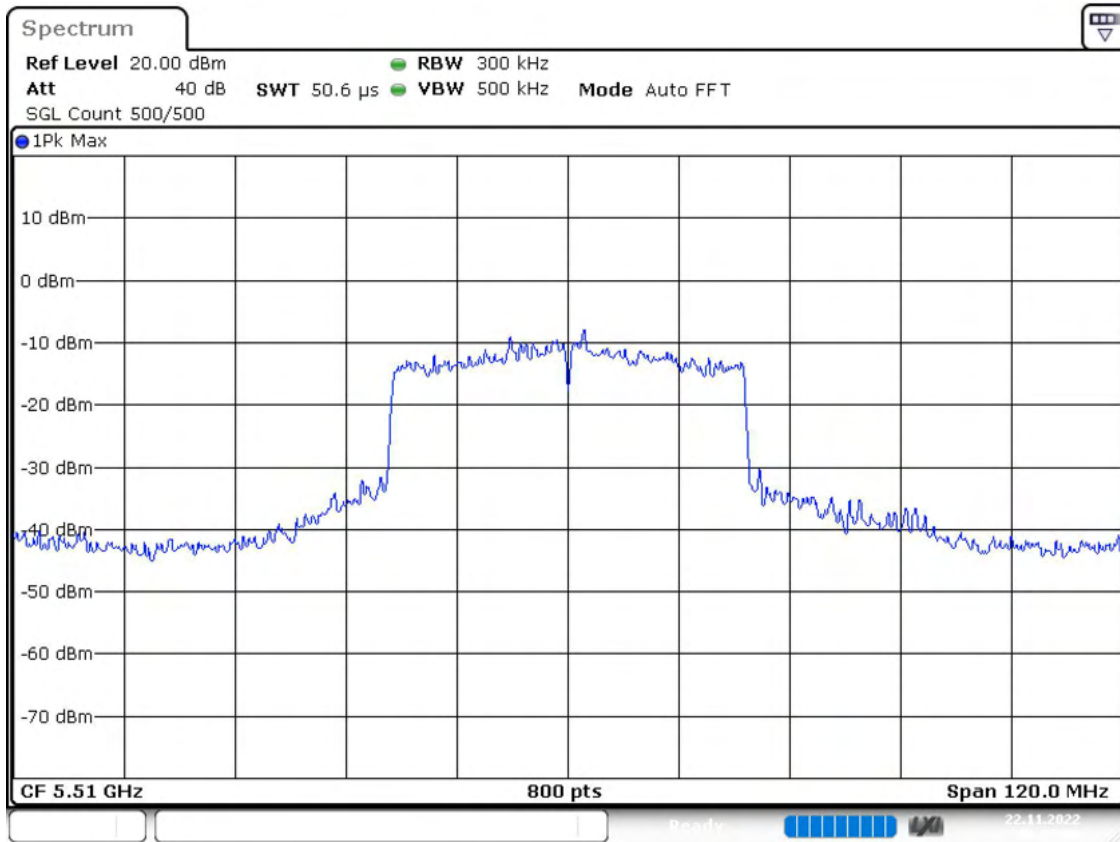
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5510.000000 | 6.3 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 06:57:08

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

Customized settings.

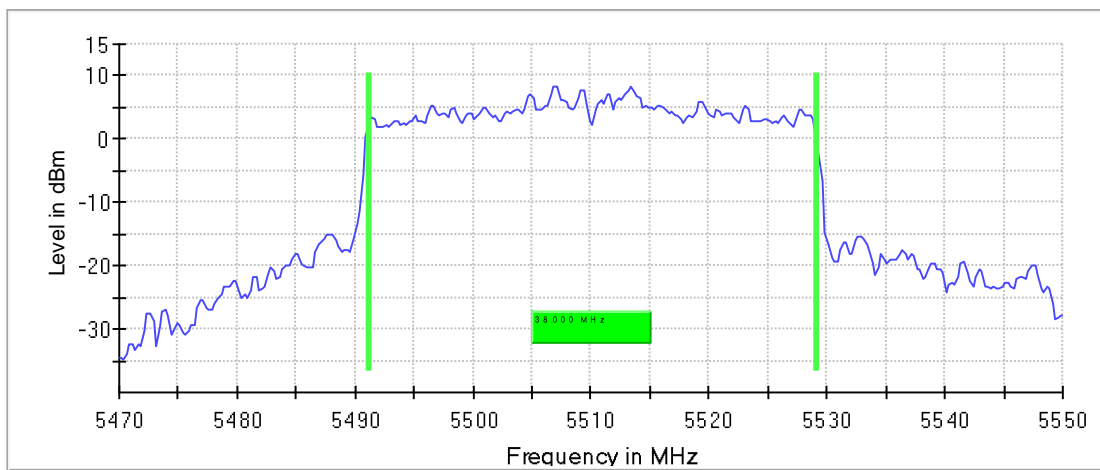
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5510.000000 | 38.000000 | --- | --- | 5491.125000 | 5529.125000 |

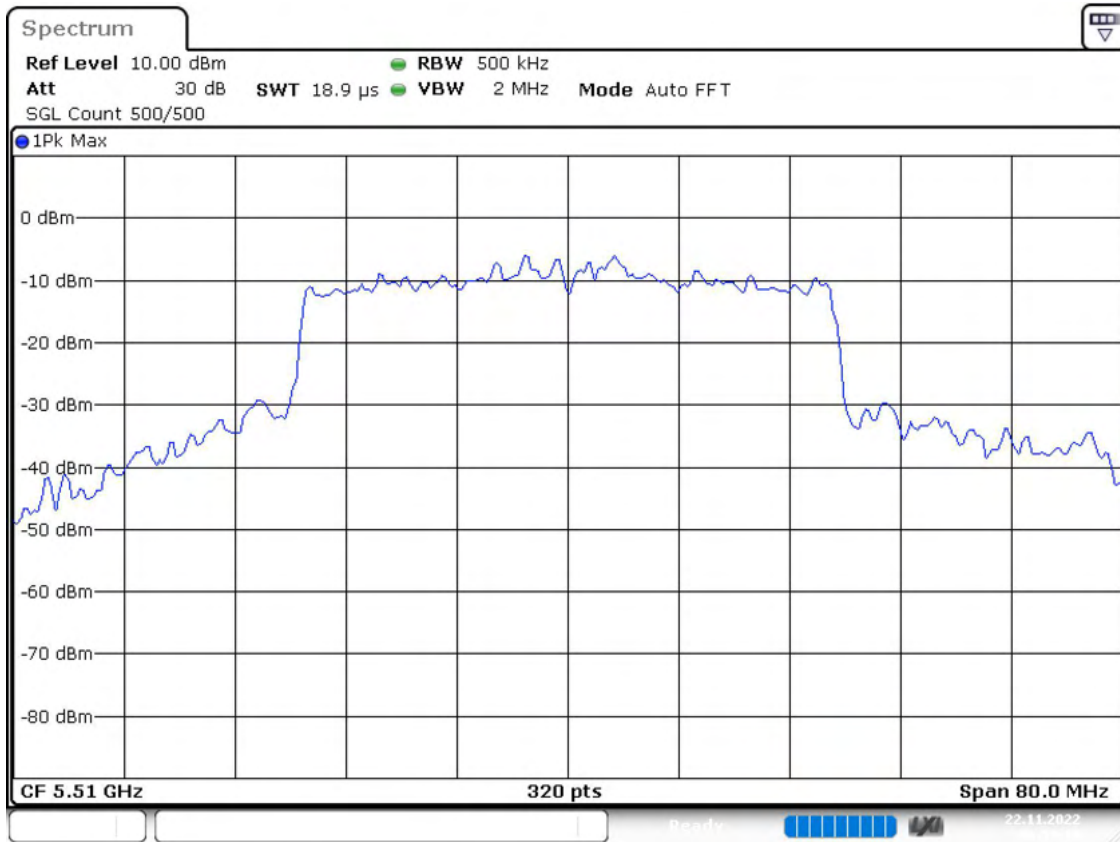
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5510.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 06:58:14

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

Customized settings.

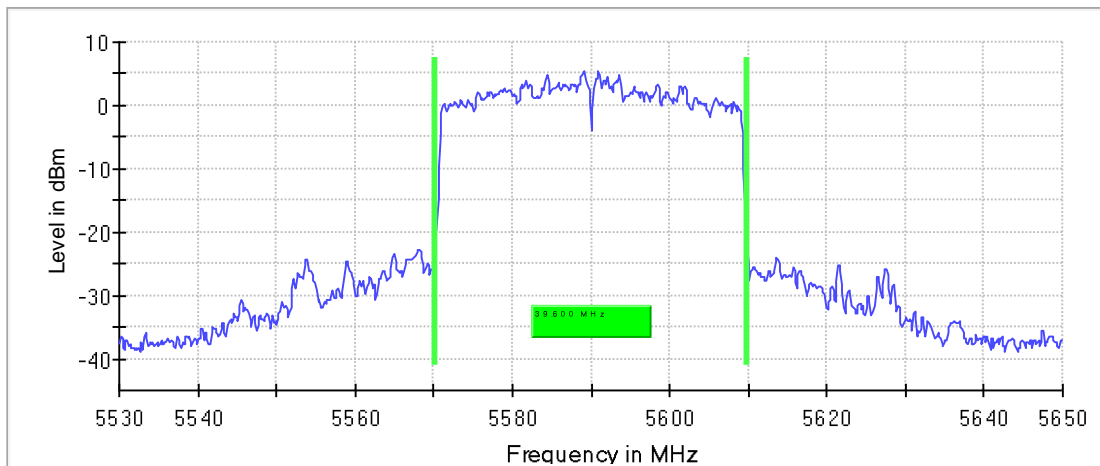
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5590.000000 | 39.600000 | --- | --- | 5570.275000 | 5609.875000 |

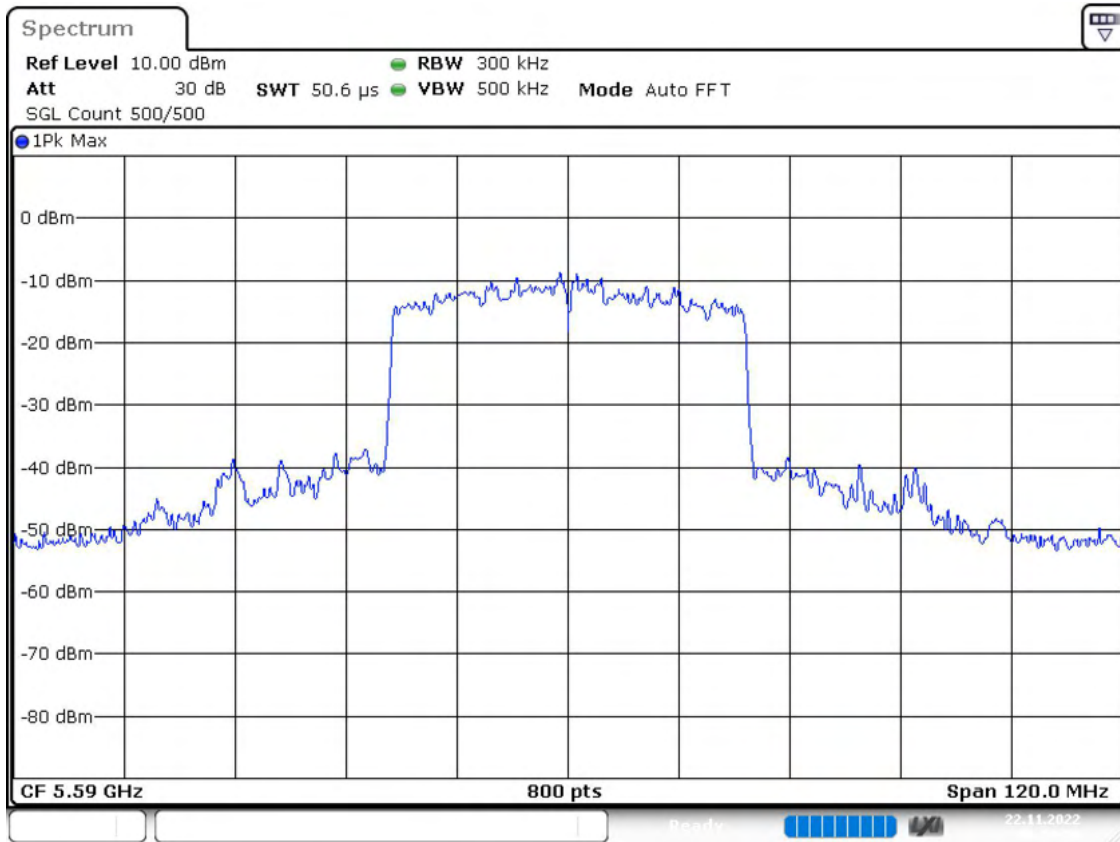
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5590.000000 | 5.6 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 06:58:57

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

Customized settings.

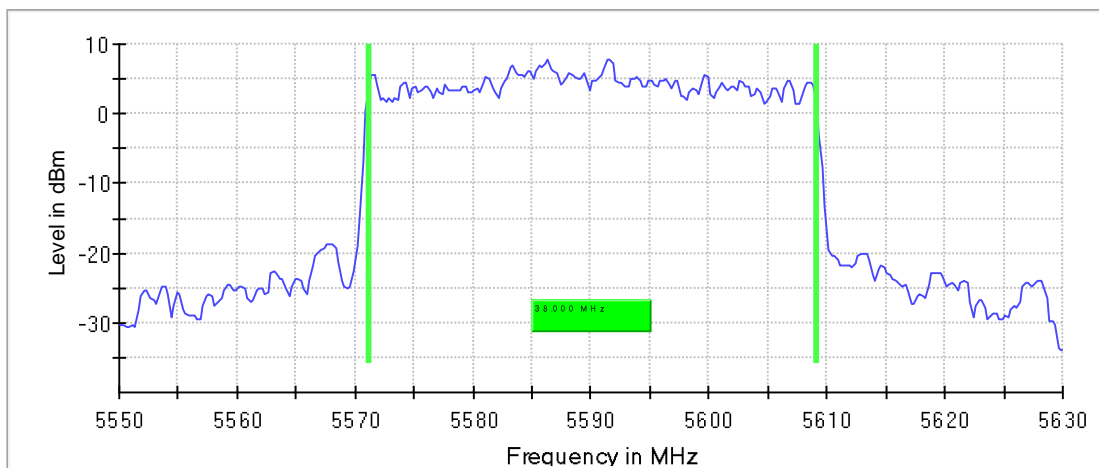
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5590.000000 | 38.000000 | --- | --- | 5571.125000 | 5609.125000 |

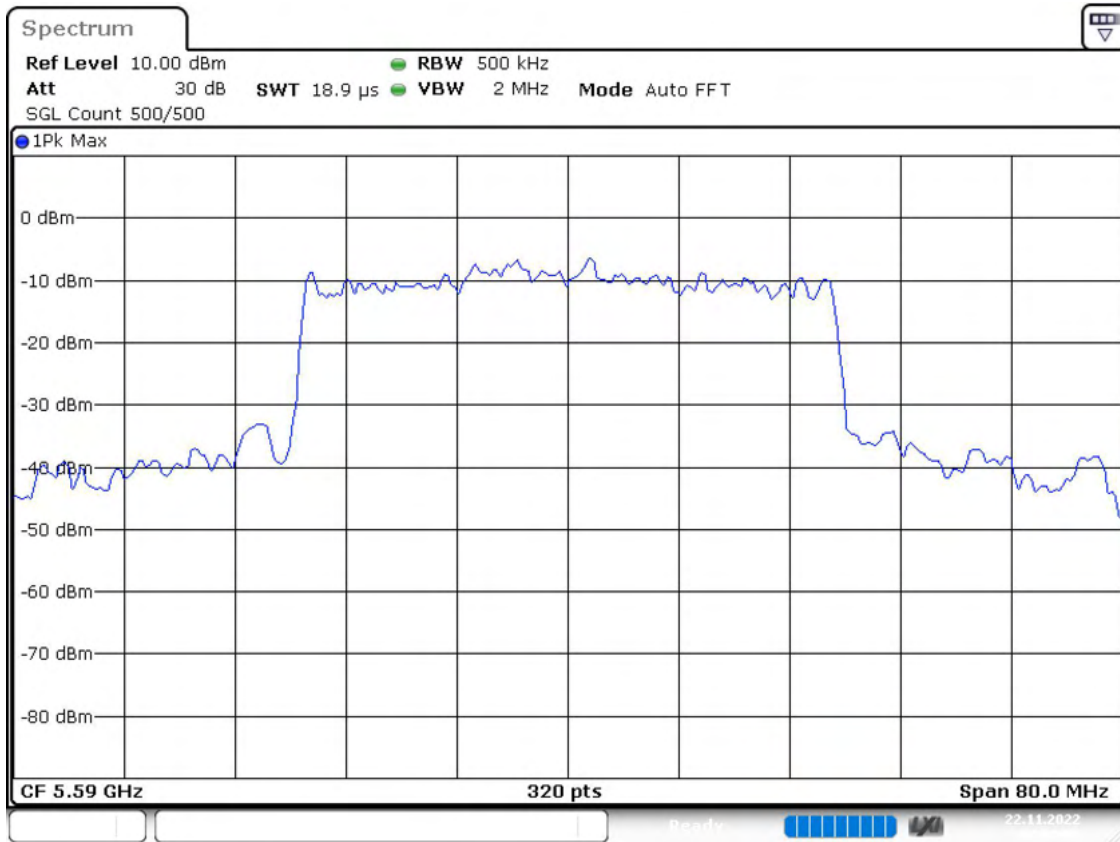
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5590.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:00:03

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

Customized settings.

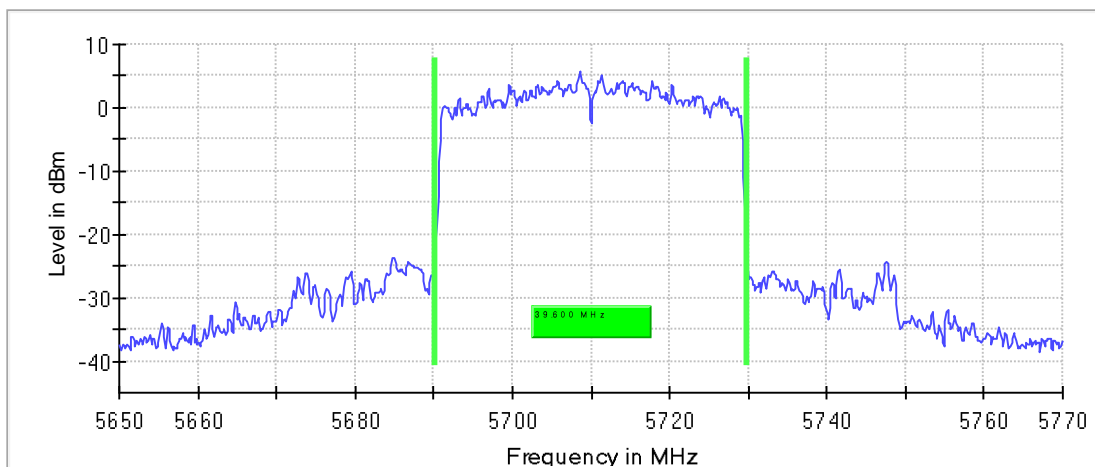
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5710.000000 | 39.600000 | 34.725000 | 4.875000 | --- | --- |

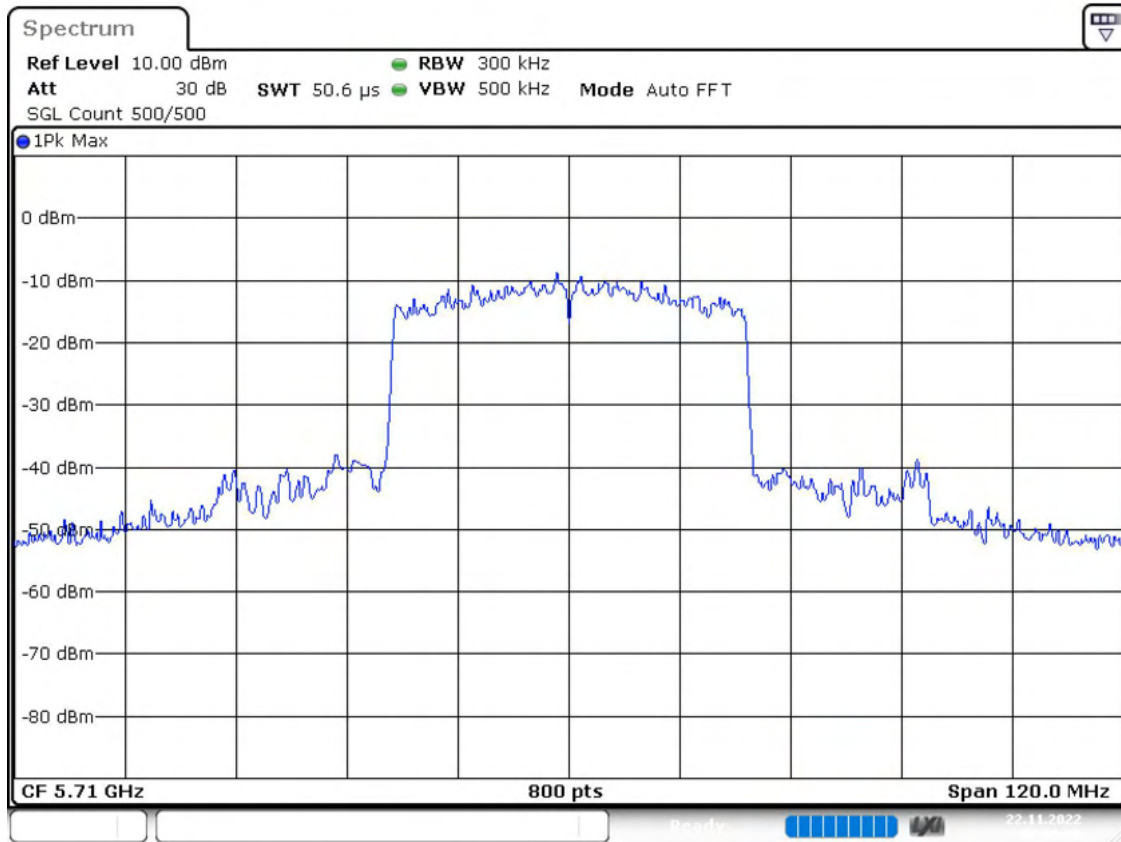
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5710.000000 | 5690.275000 | 5729.875000 | 5.7 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 07:00:34

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

Customized settings.

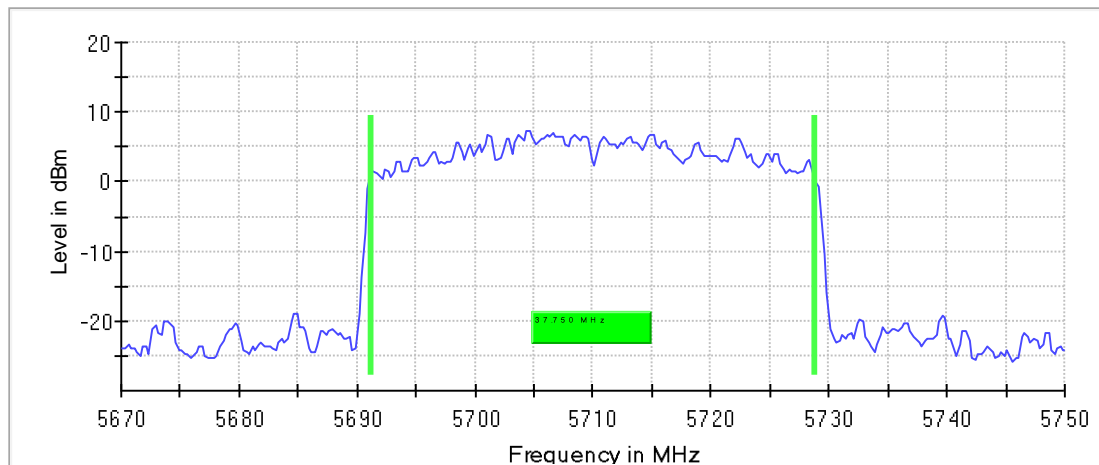
99 % Bandwidth

| 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 | --- | --- |

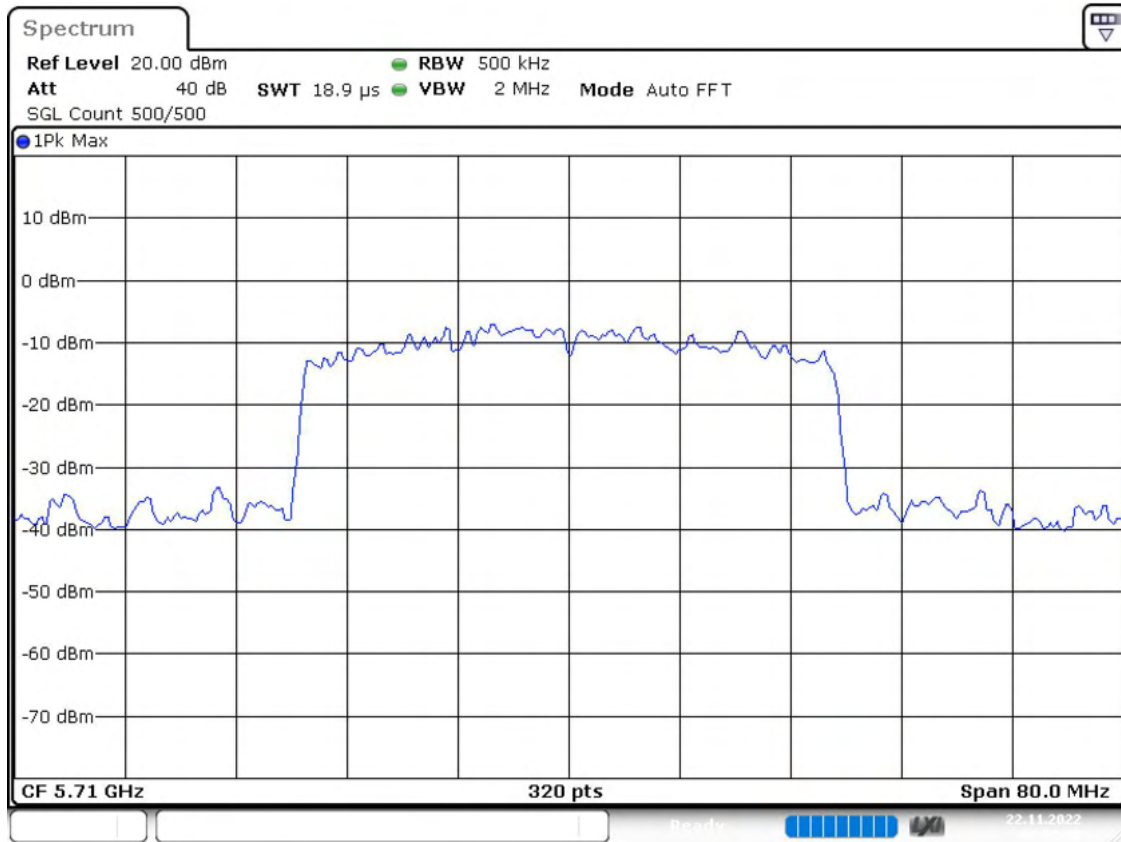
(continuation of the "99 % Bandwidth" table from column 6 ...)

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

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:01:40

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

Customized settings.

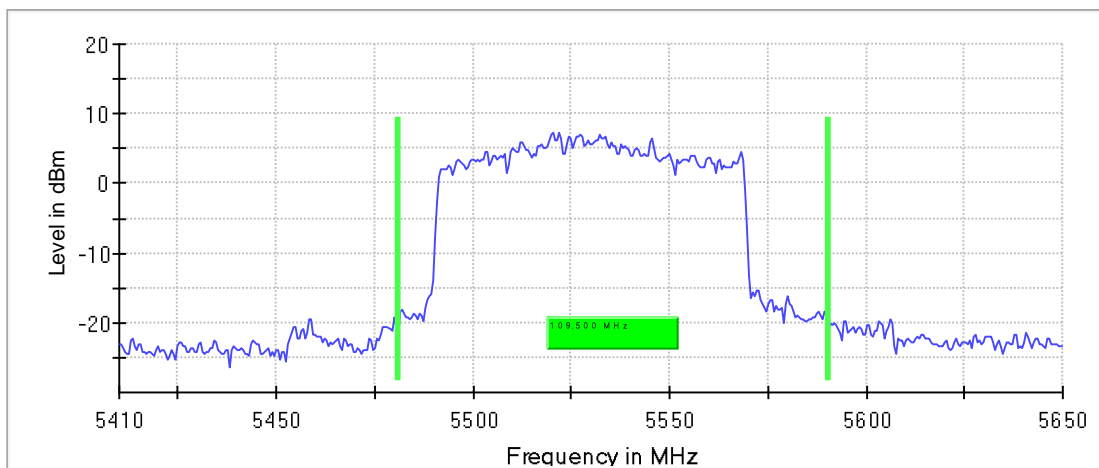
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5530.000000 | 109.500000 | --- | --- | 5480.750000 | 5590.250000 |

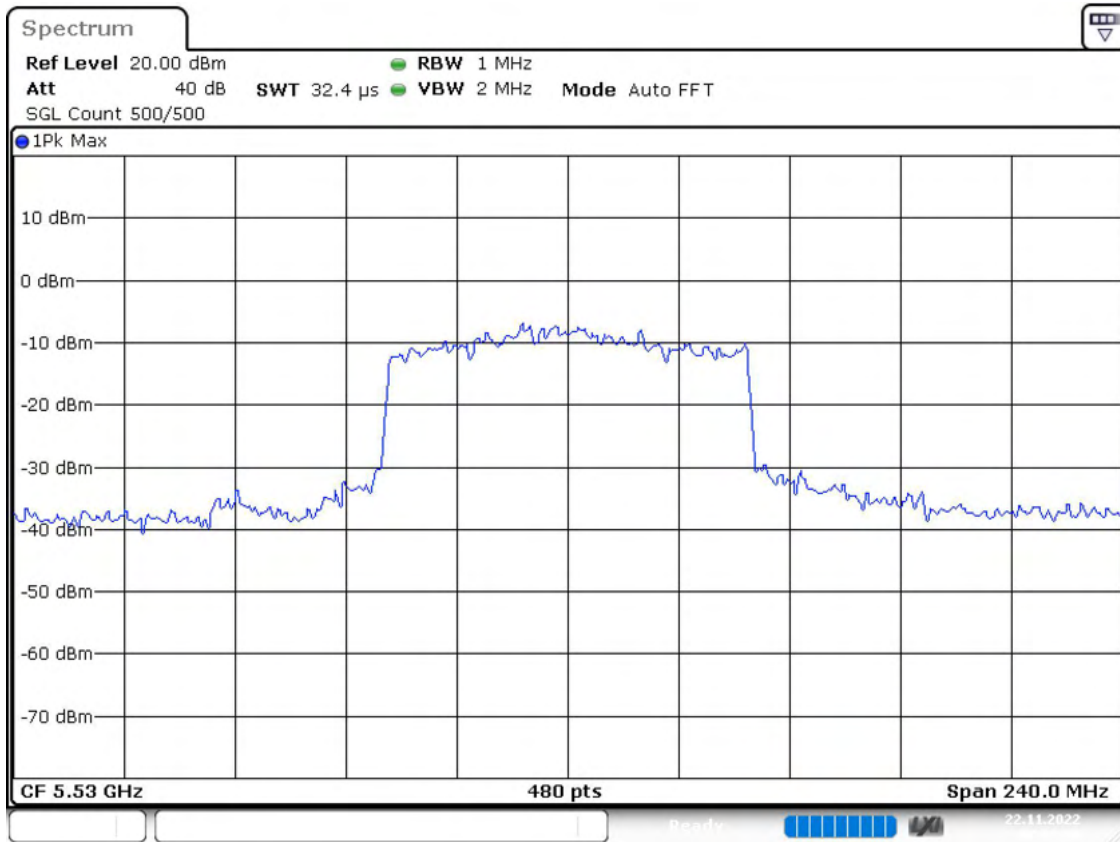
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5530.000000 | 7.4 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 07:02:36

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

Customized settings.

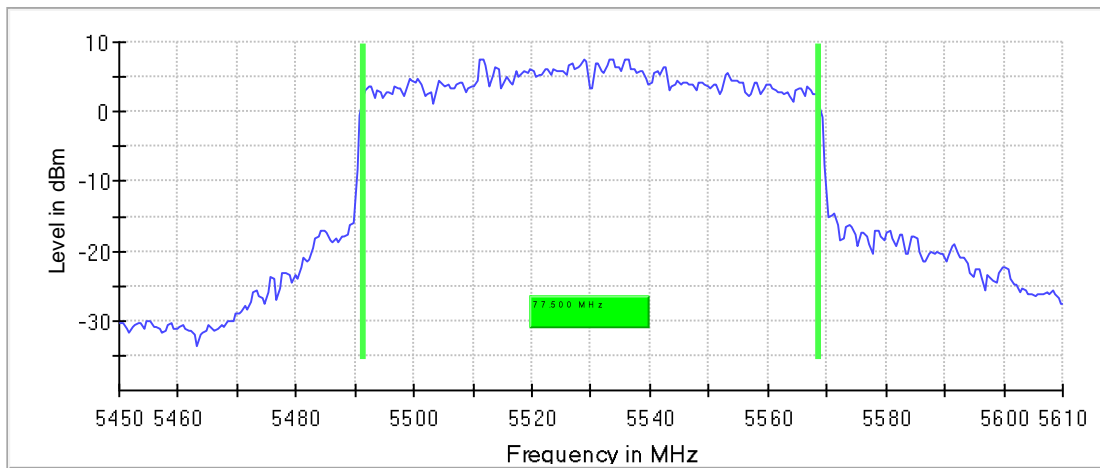
99 % Bandwidth

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

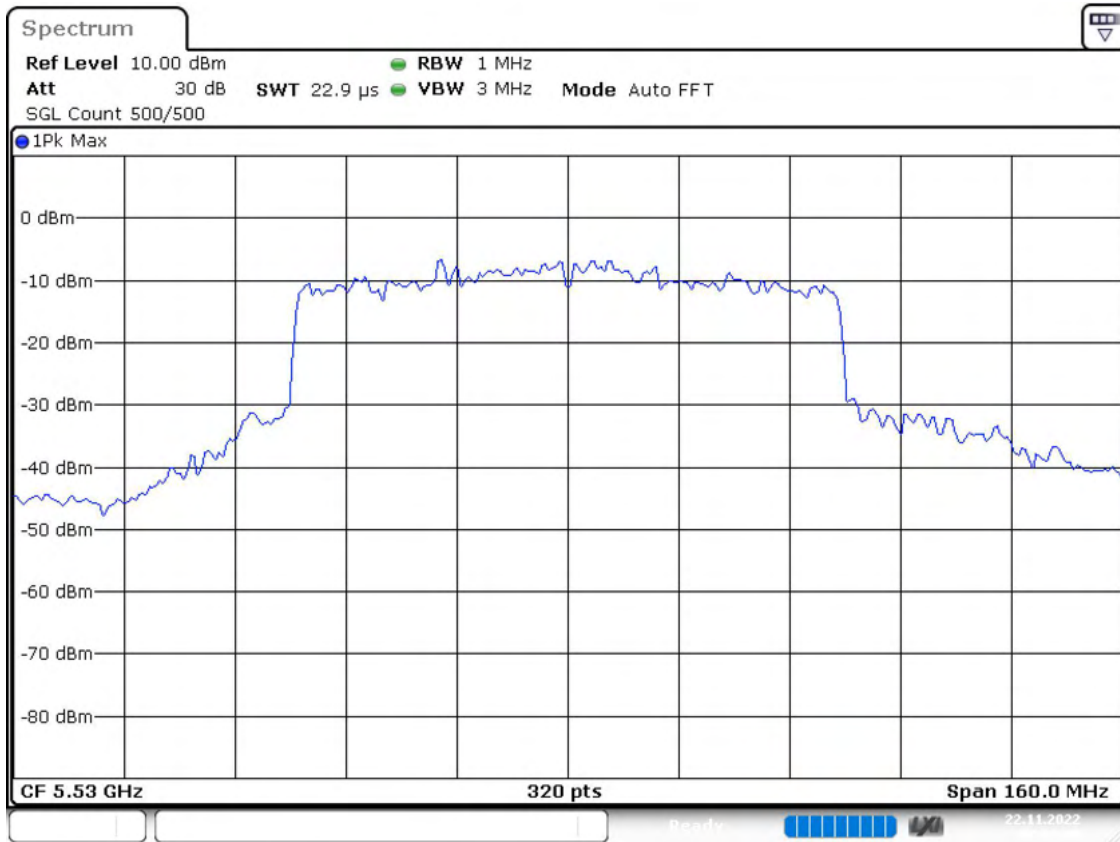
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5530.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:03:48

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

Customized settings.

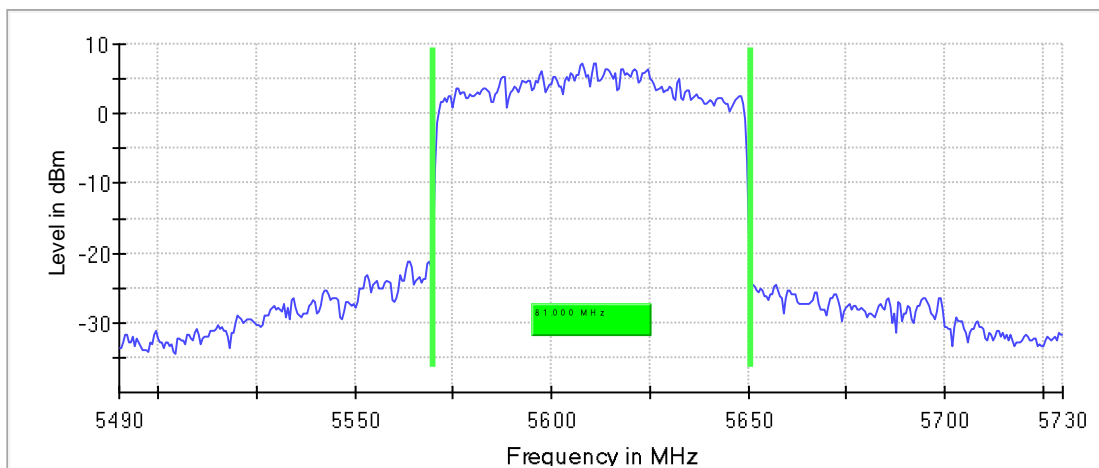
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5610.000000 | 81.000000 | --- | --- | 5569.750000 | 5650.750000 |

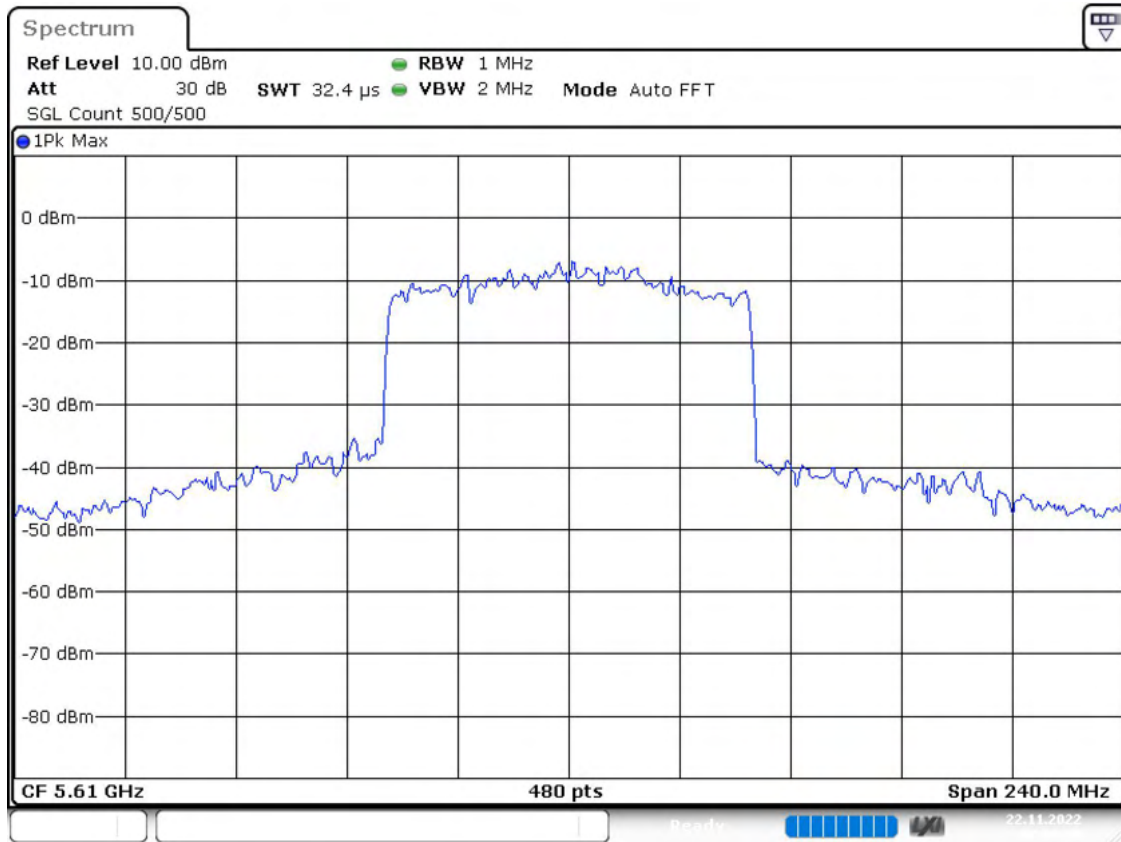
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5610.000000 | 7.4 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 07:04:34

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

Customized settings.

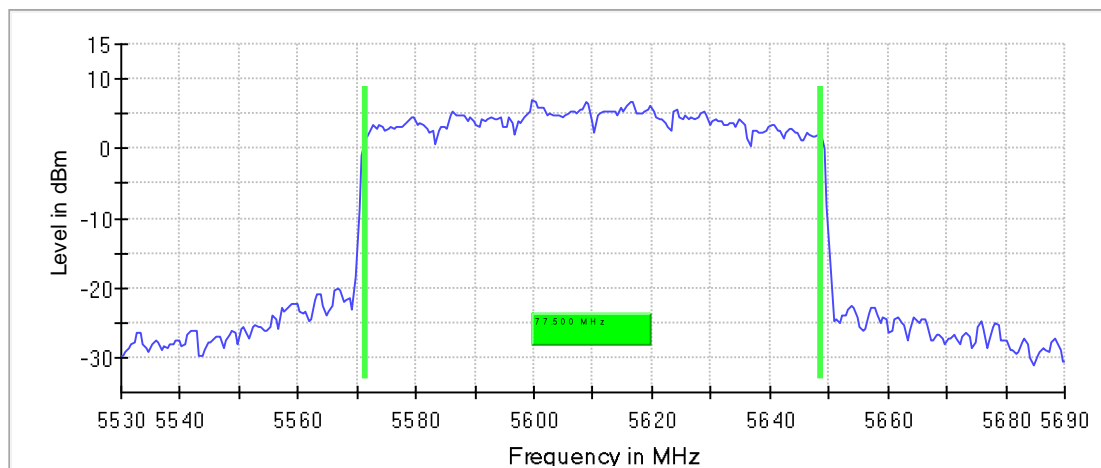
99 % Bandwidth

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

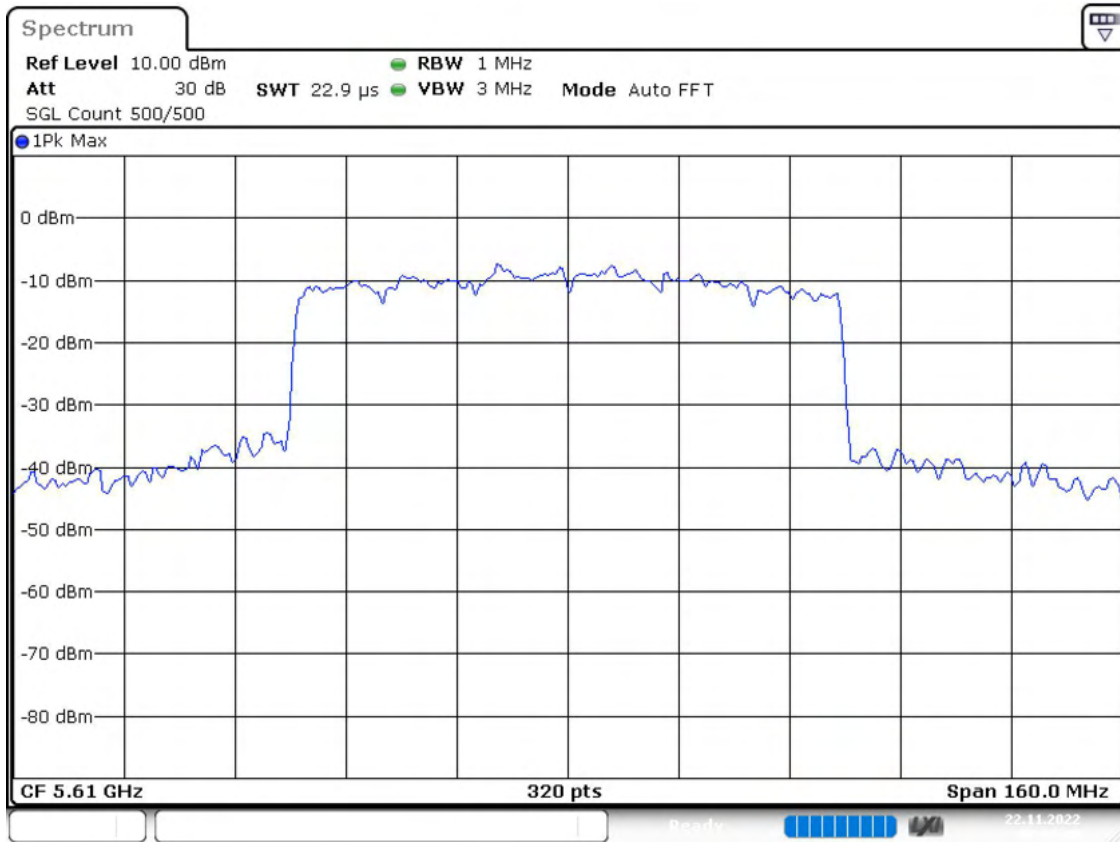
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 5610.000000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:05:46

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

Customized settings.

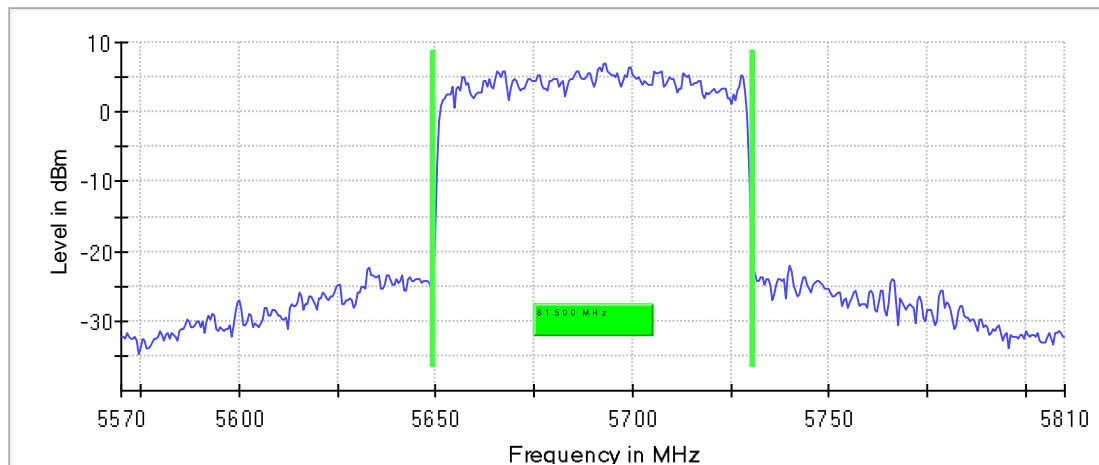
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5690.000000 | 81.500000 | 75.750000 | 5.750000 | --- | --- |

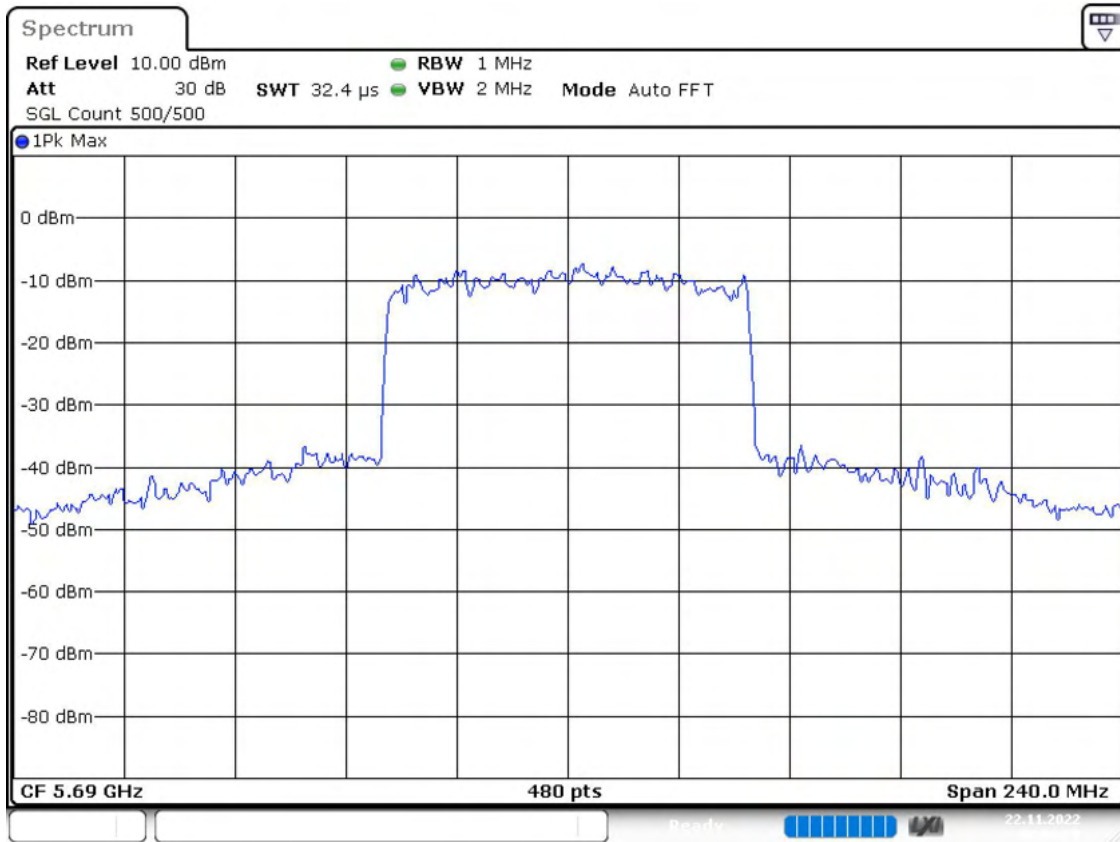
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5690.000000 | 5649.250000 | 5730.750000 | 7.0 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 07:06:21

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

Customized settings.

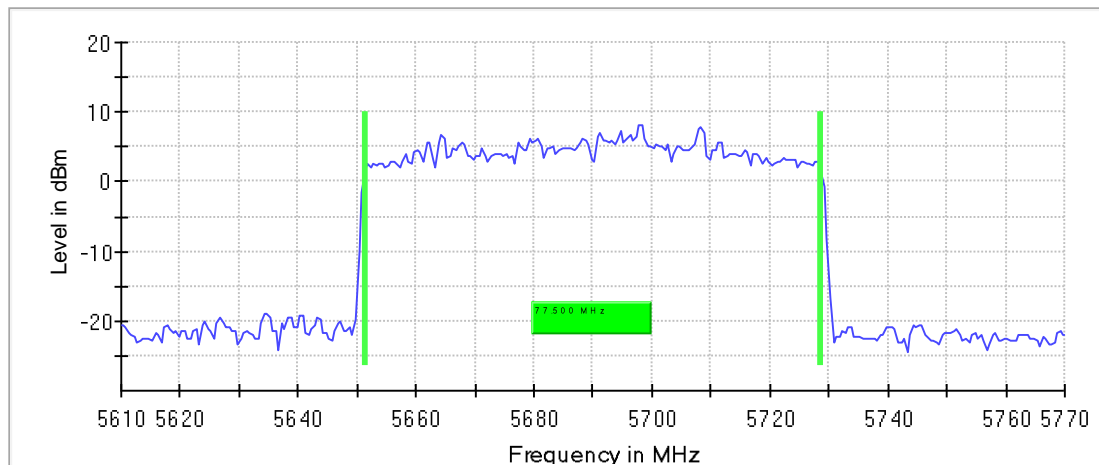
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5690.000000 | 77.500000 | 73.750000 | 3.750000 | --- | --- |

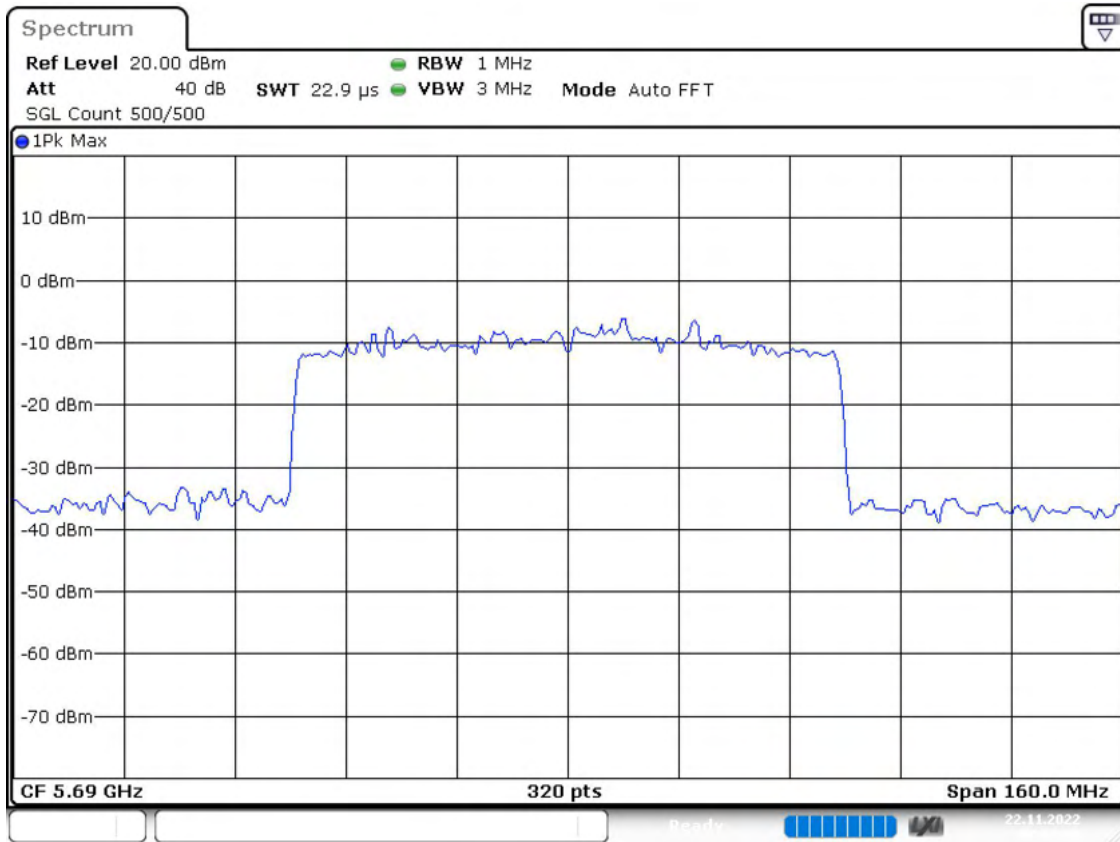
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5690.000000 | 5651.250000 | 5728.750000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:07:33

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

Customized settings.

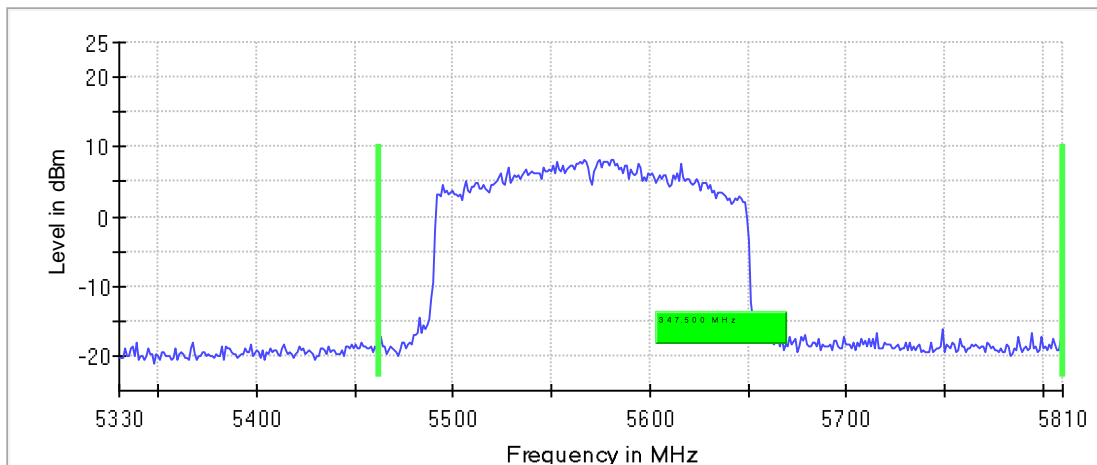
26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5570.000000 | 347.500000 | 262.500000 | 85.000000 | --- | --- |

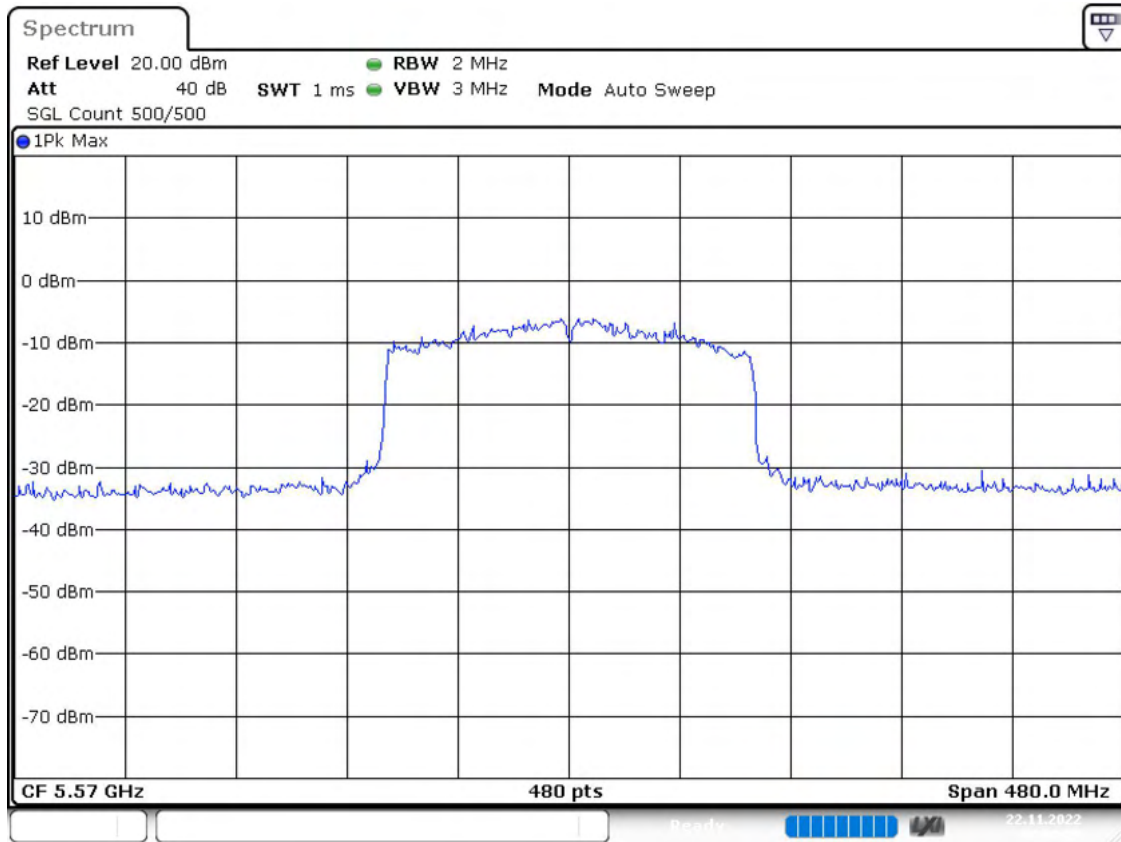
(continuation of the "26 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5570.000000 | 5462.500000 | 5810.000000 | 8.2 | PASS |

26 dB Bandwidth



Bandwidth



Date: 22.NOV.2022 07:09:22

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

Customized settings.

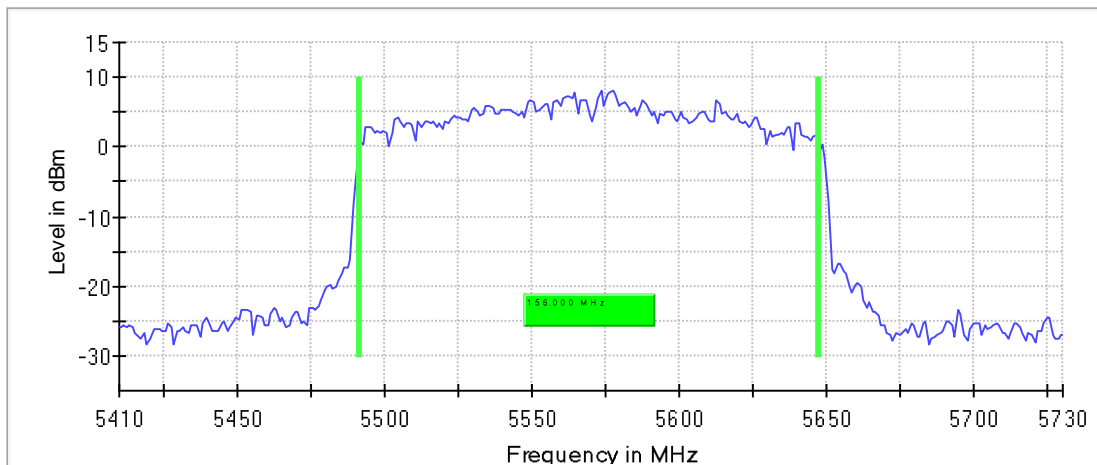
99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5570.000000 | 156.000000 | 156.000000 | 0.000000 | --- | --- |

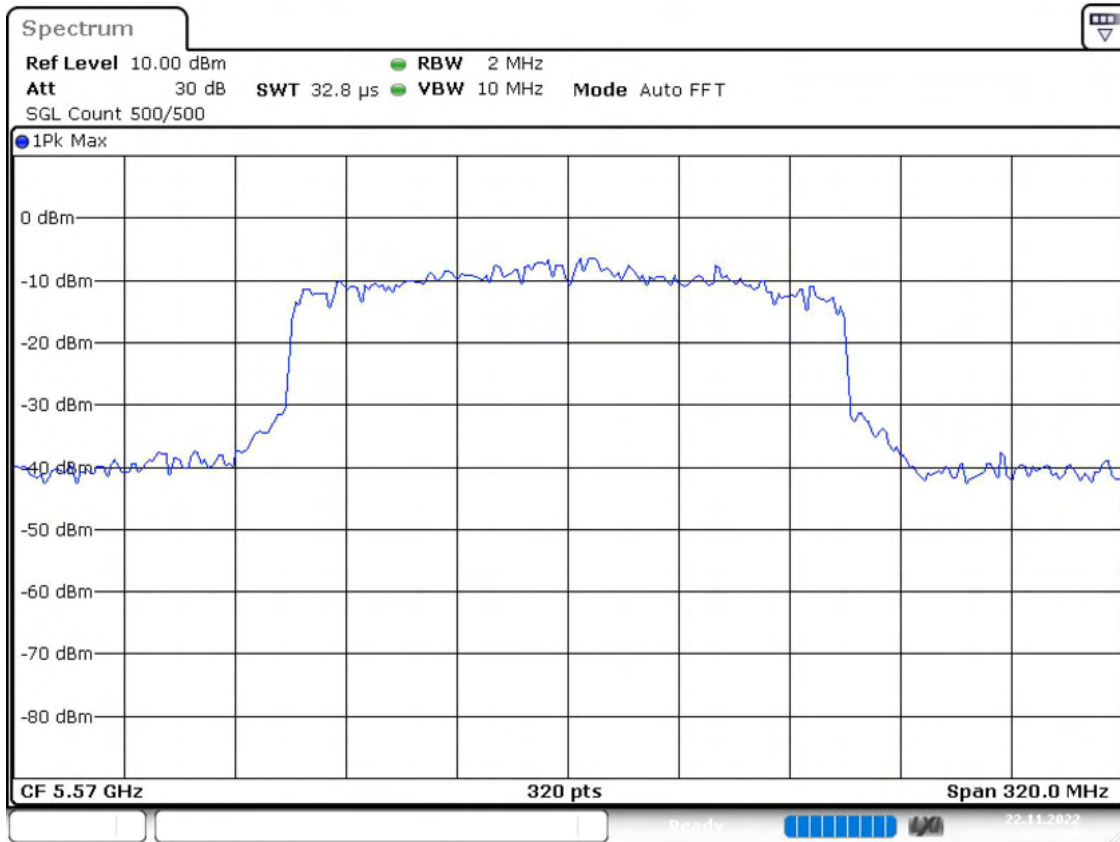
(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5570.000000 | 5491.500000 | 5647.500000 | PASS |

99 % Bandwidth



Bandwidth



Date: 22.NOV.2022 07:10:55

-- End of Test Report --