



427 West 12800 South  
Draper, UT 84020

## Test Report Attachment

<b>FCC ID</b>	SWX-WAVEPC
<b>ISED ID</b>	6545A-WAVEPC
<b>Equipment Under Test</b>	Wave-Pico
<b>Test Report Serial Number</b>	TR8644_01
<b>Date of Test</b>	17 January 2024
<b>Report Issue Date</b>	17 January 2024

### Test Personnel

<b>Testing performed by</b>	Tyler Parry
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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 2024. 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 2024. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



# 1 UNII-2c Band 99% Bandwidth

## 1.1 Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5485.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5485.000	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	5710.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5710.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5495.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5495.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5600.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5600.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5700.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5700.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5515.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5515.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5600.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5600.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5680.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5680.000	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

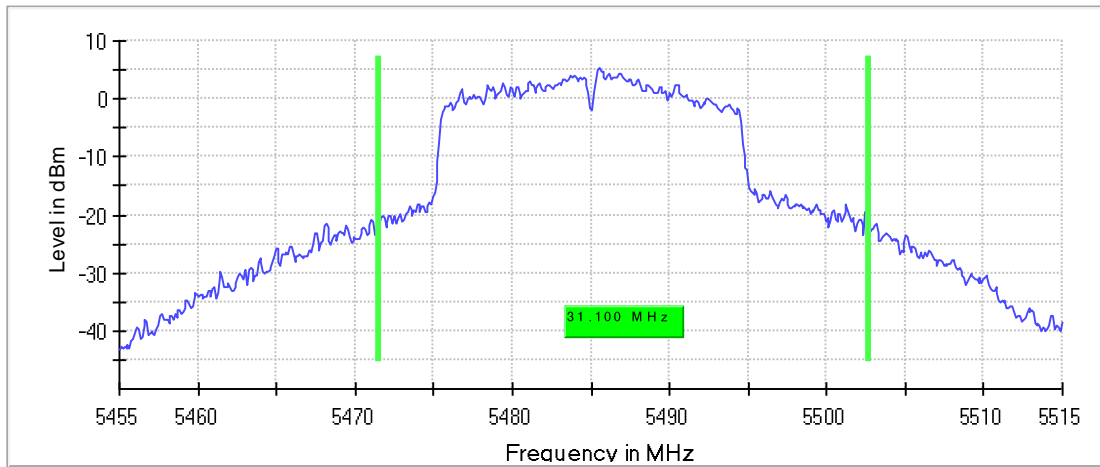
## Emission Bandwidth 26 dB (5485 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

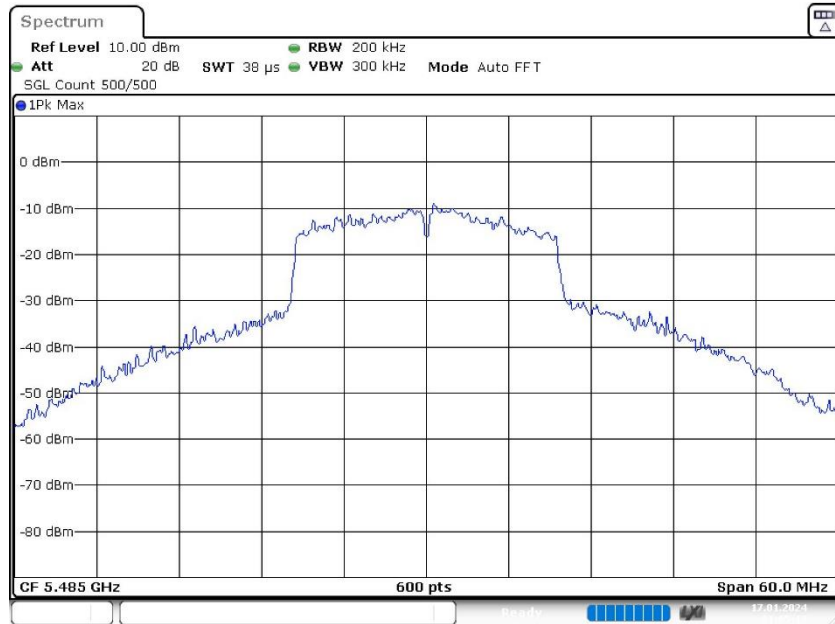
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5485.000000	31.100000	---	---	5471.550000	5502.650000

DUT Frequency (MHz)	Max Level (dBm)	Result
5485.000000	5.3	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 01:05:13

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.45500 GHz	5.45500 GHz
Stop Frequency	5.51500 GHz	5.51500 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 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

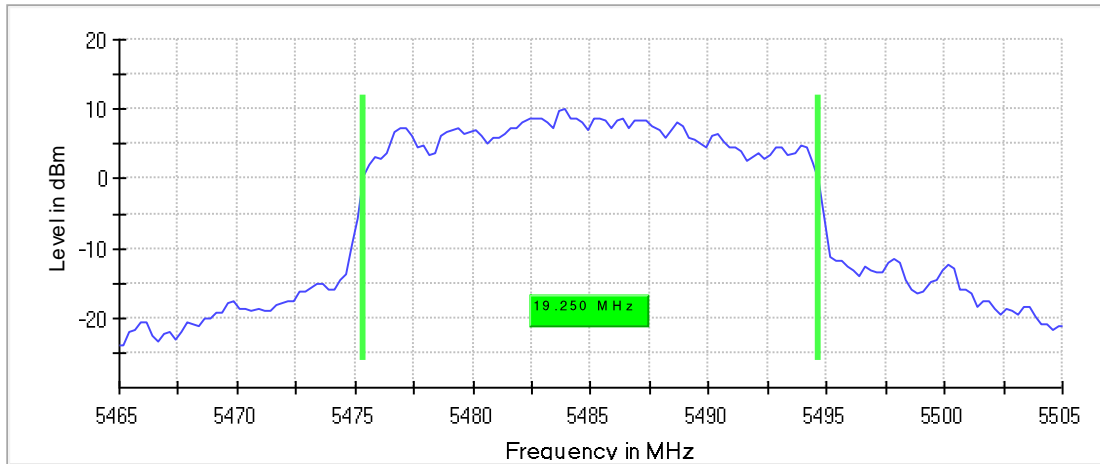
**Occupied Channel Bandwidth 99% (5485 MHz; 24.000 dBm; 20 MHz)**

### 99 % Bandwidth

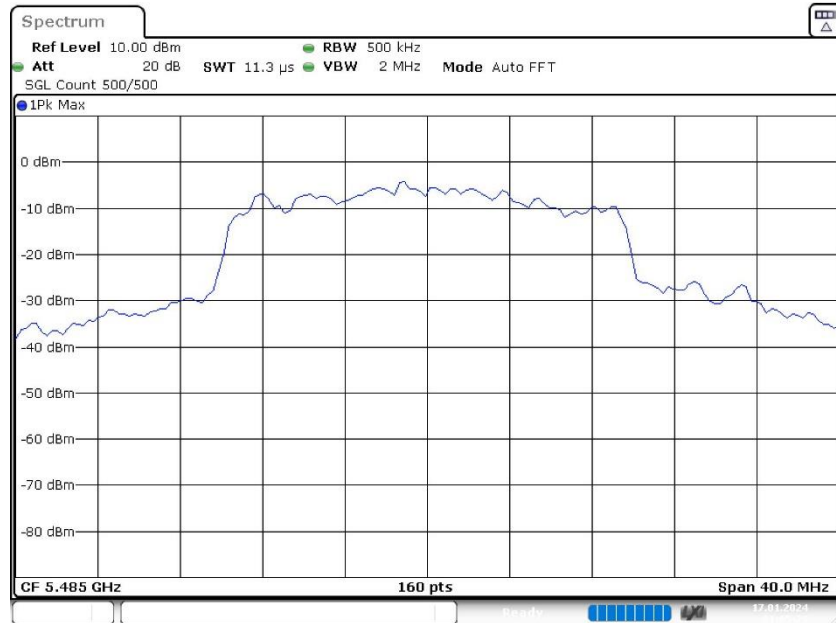
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5485.000000	19.250000	---	---	5475.375000	5494.625000

DUT Frequency (MHz)	Result
5485.000000	PASS

99 %Bandwidth



Bandwidth



Date: 17.JAN.2024 01:05:23

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.46500 GHz	5.46500 GHz
Stop Frequency	5.50500 GHz	5.50500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160

Sweeptime	11.344 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

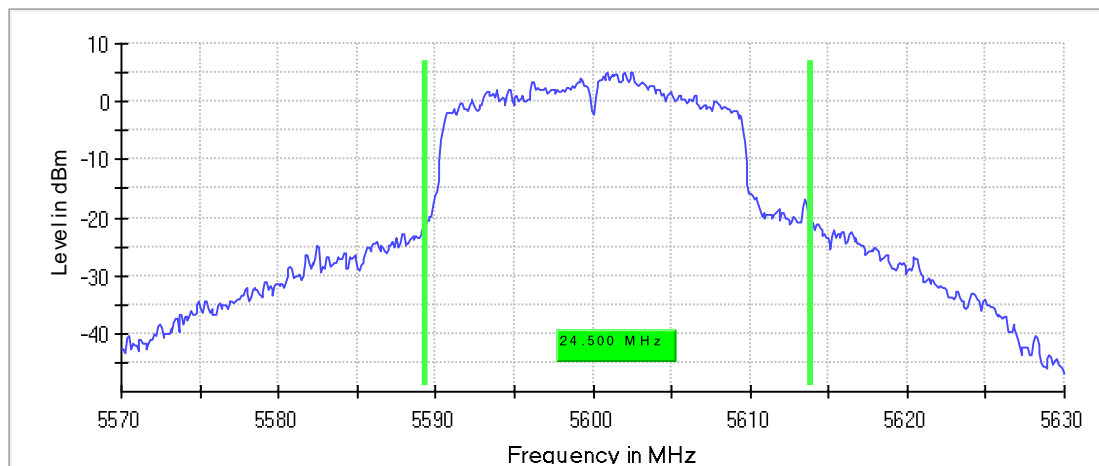
## Emission Bandwidth 26 dB (5600 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

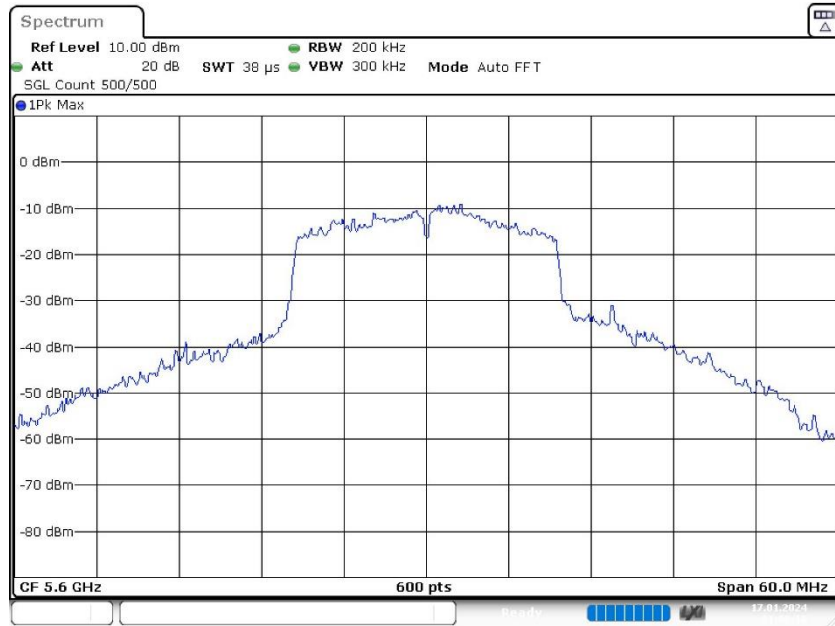
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	24.500000	---	---	5589.350000	5613.850000

DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	5.2	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 01:08:10

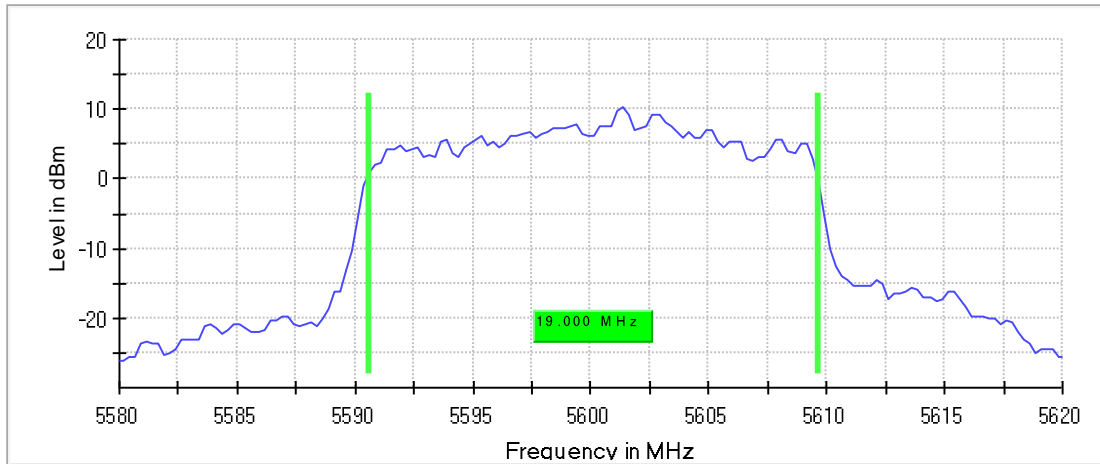
**Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 20 MHz)**

**99 % Bandwidth**

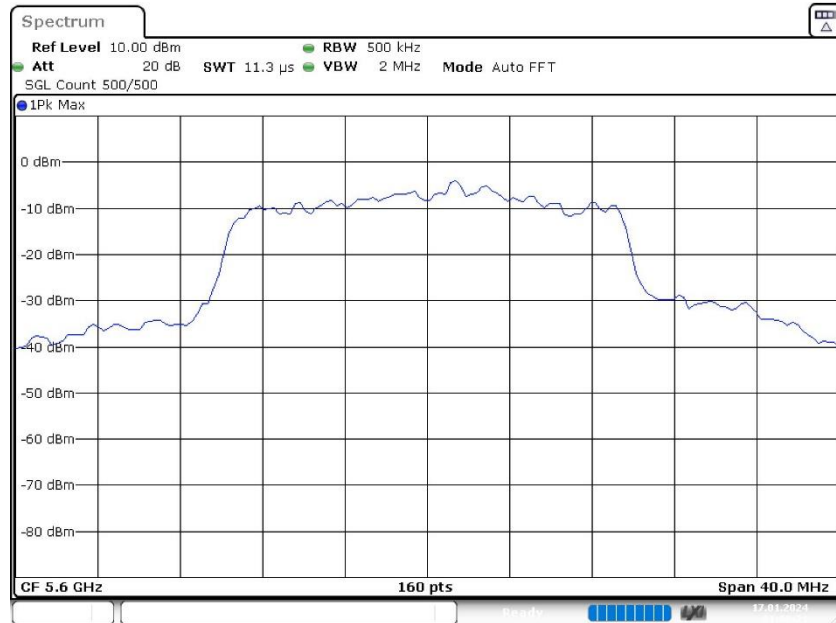
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	19.000000	---	---	5590.625000	5609.625000

DUT Frequency (MHz)	Result
5600.000000	PASS

99 %Bandwidth



Bandwidth



## 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	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160



SweepTime	11.344 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

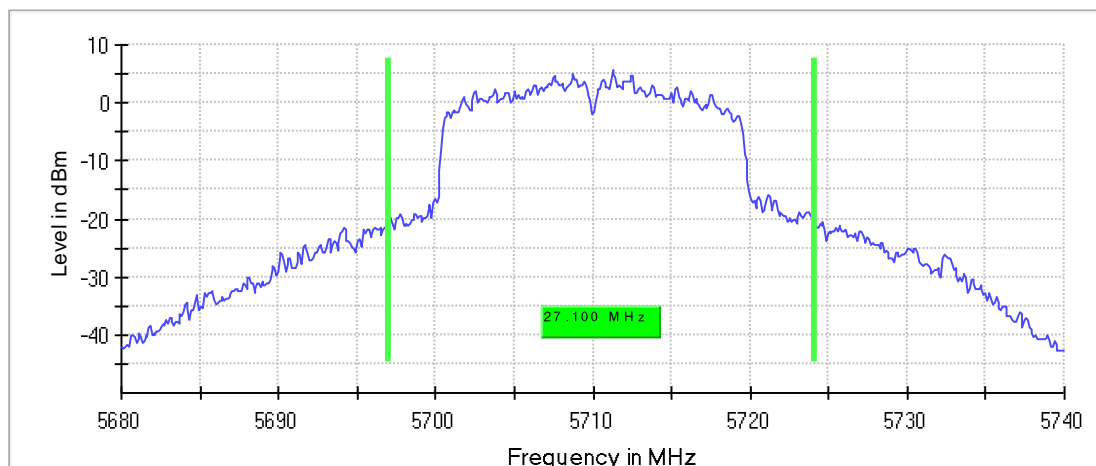
## Emission Bandwidth 26 dB (5710 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

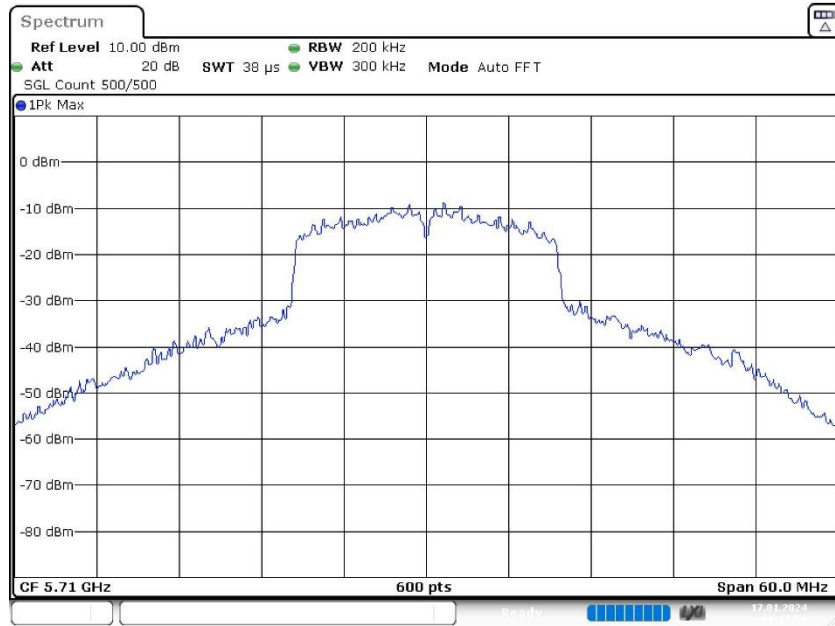
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	27.100000	27.100000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5710.000000	5697.050000	5724.150000	5.6	PASS

26 dB Bandwidth



Bandwidth



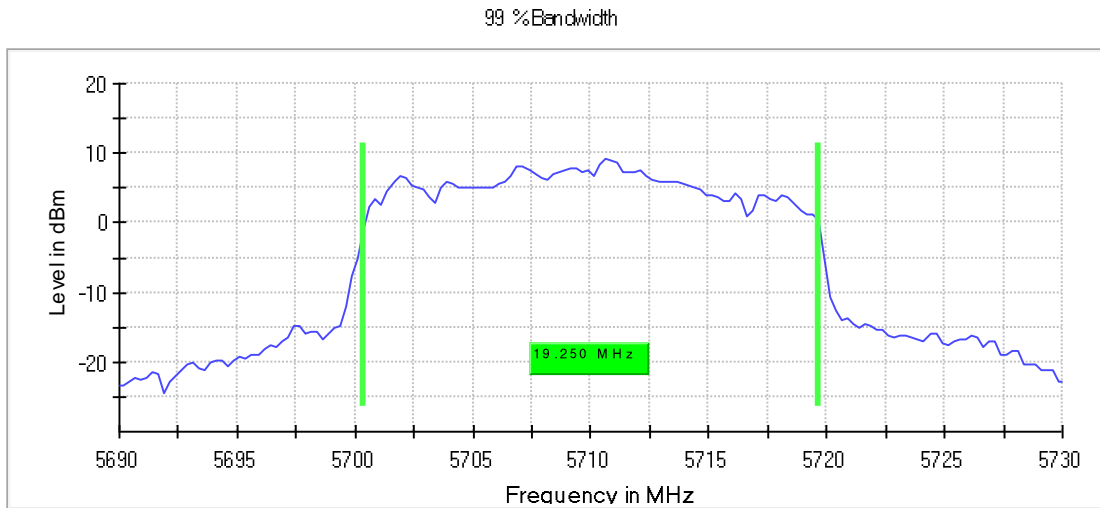
Date: 17.JAN.2024 01:37:51

**Occupied Channel Bandwidth 99% (5710 MHz; 24.000 dBm; 20 MHz)**

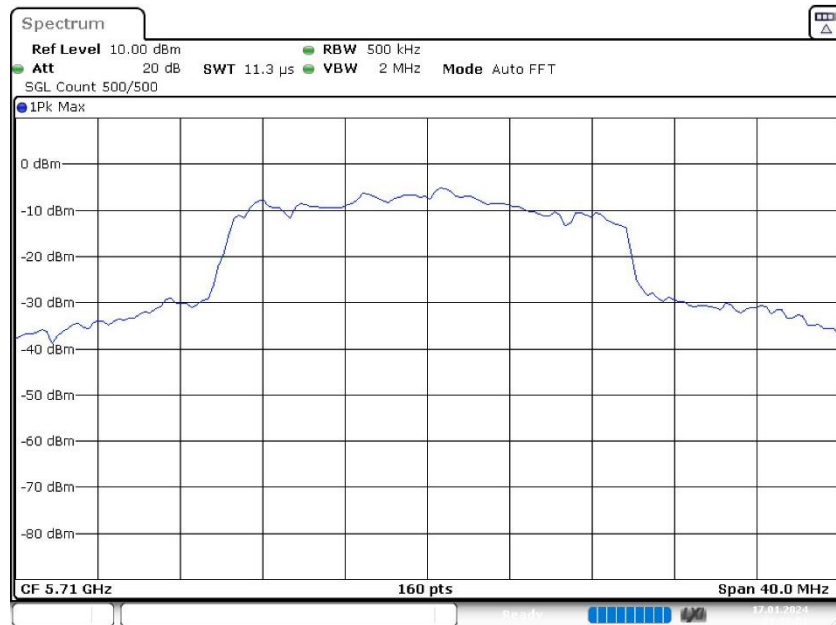
**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	19.250000	19.250000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5710.000000	5700.375000	5719.625000	PASS



**Bandwidth**



Date: 17.JAN.2024 01:38:01

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.69000 GHz	5.69000 GHz
Stop Frequency	5.73000 GHz	5.73000 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	$\geq$ 400.000 kHz
VBW	2.000 MHz	$\geq$ 1.500 MHz
SweepPoints	160	$\sim$ 160

Sweeptime	11.344 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

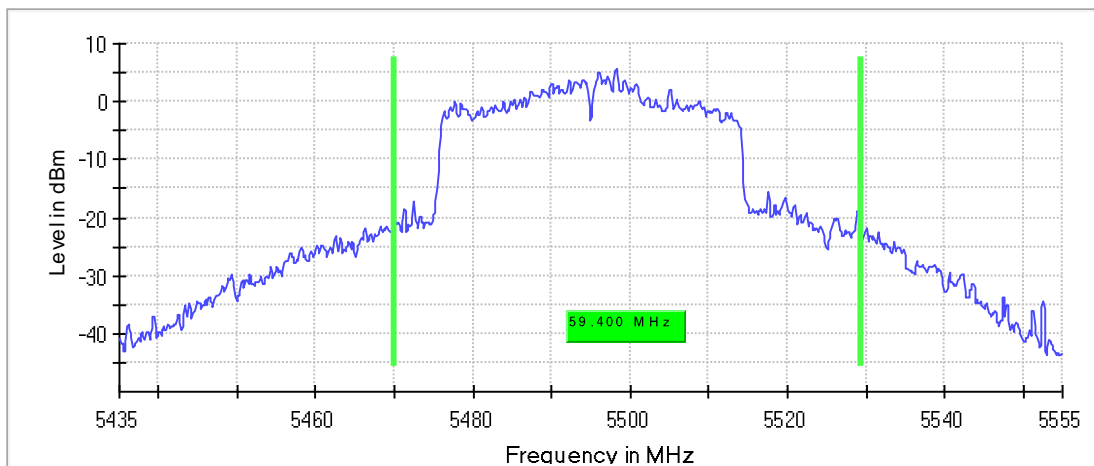
## Emission Bandwidth 26 dB (5495 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

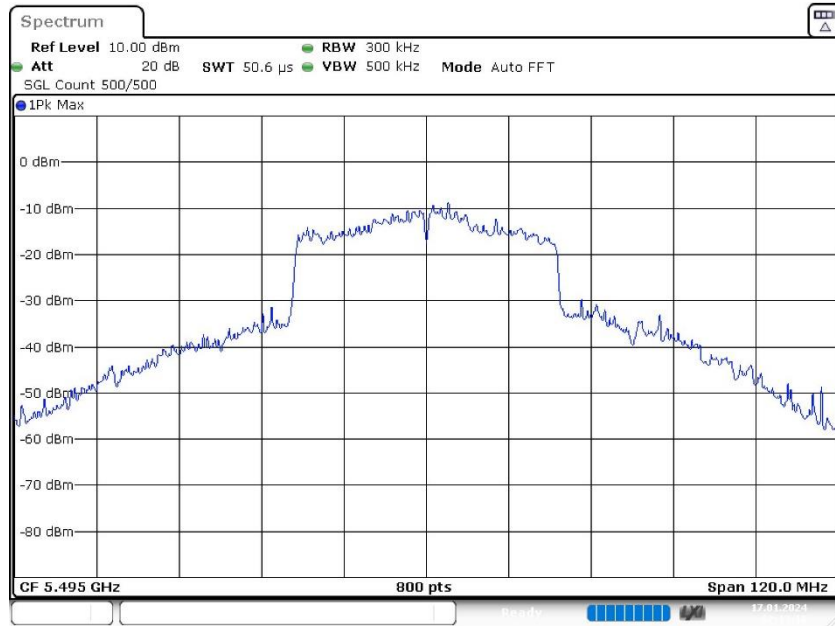
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5495.000000	59.400000	---	---	5469.875000	5529.275000

DUT Frequency (MHz)	Max Level (dBm)	Result
5495.000000	5.6	PASS

26 dB Bandwidth



Bandwidth



Date: 17.01.2024 02:13:18

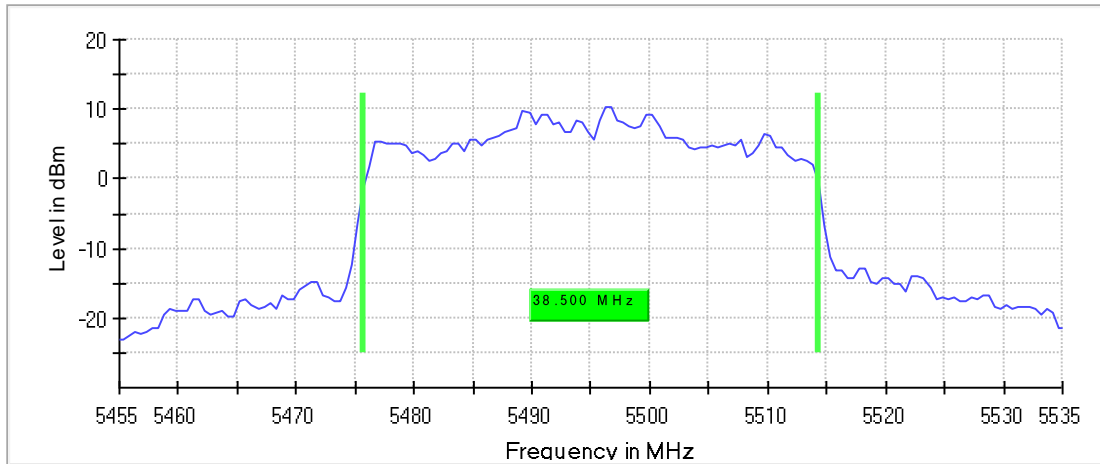
**Occupied Channel Bandwidth 99% (5495 MHz; 24.000 dBm; 40 MHz)**

**99 % Bandwidth**

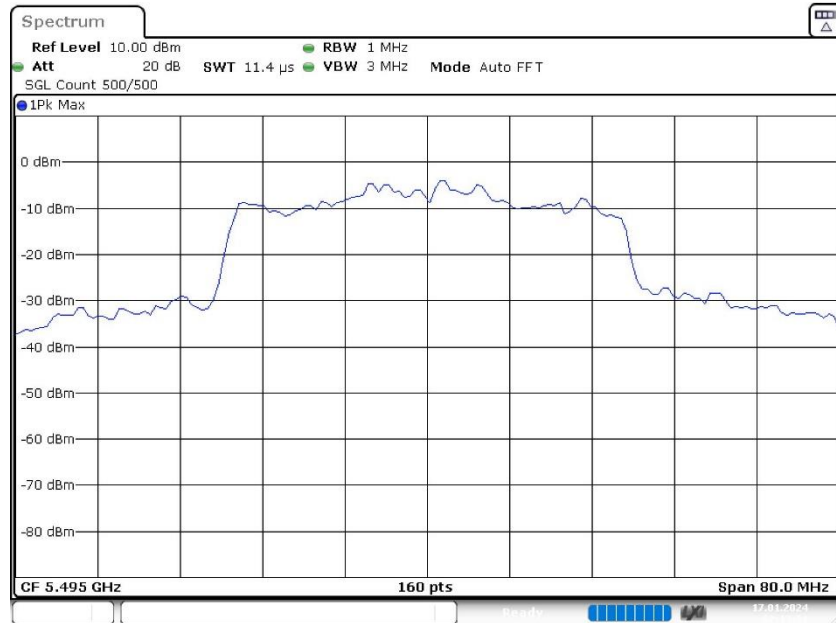
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5495.000000	38.500000	---	---	5475.750000	5514.250000

DUT Frequency (MHz)	Result
5495.000000	PASS

99 %Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.45500 GHz	5.45500 GHz
Stop Frequency	5.53500 GHz	5.53500 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μs	AUTO
Reference Level	10.000 dBm	AUTO

Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

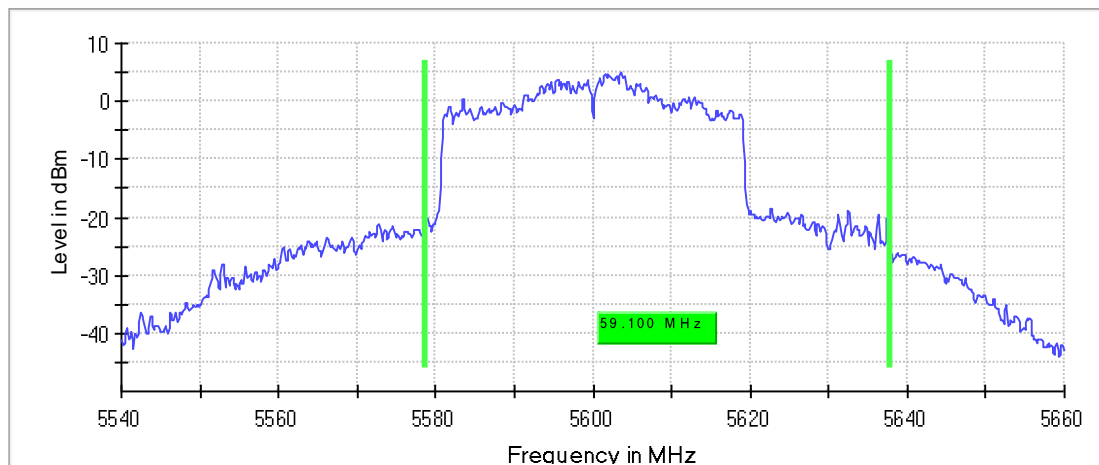
## Emission Bandwidth 26 dB (5600 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

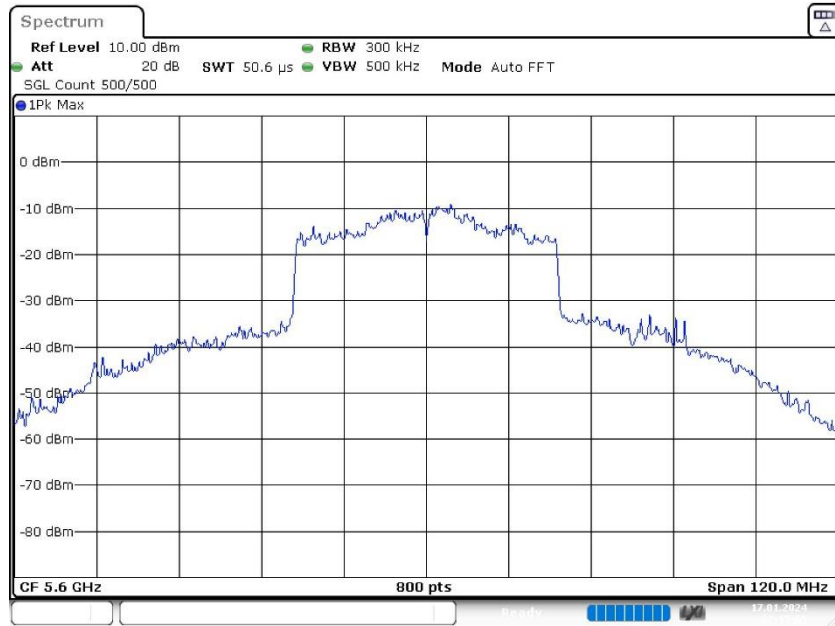
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	59.100000	---	---	5578.625000	5637.725000

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

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 02:15:05

**Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 40 MHz)**

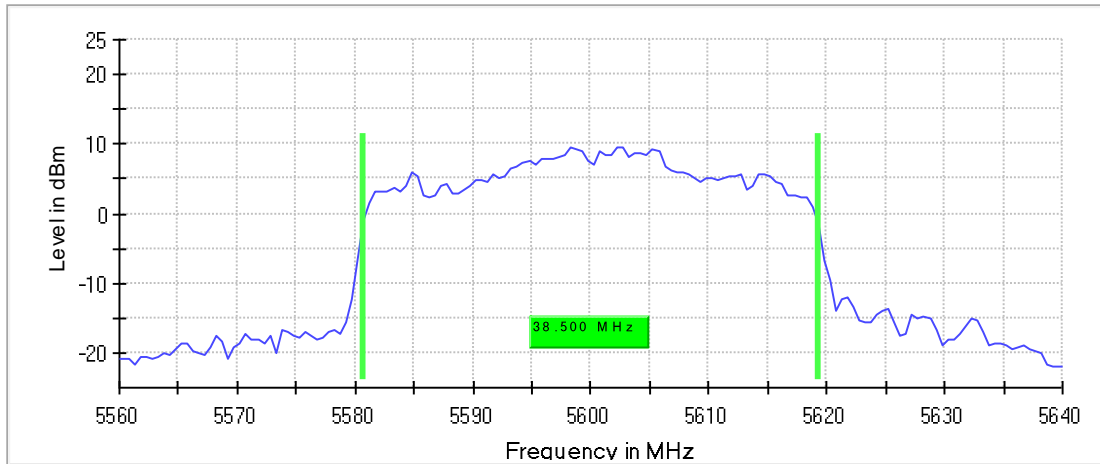
**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	38.500000	---	---	5580.750000	5619.250000

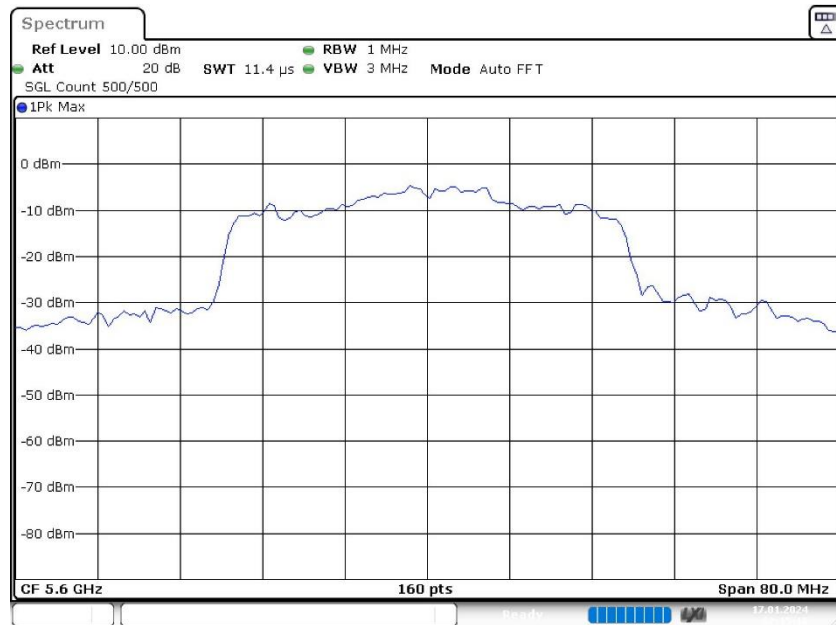
DUT Frequency (MHz)	Result
5600.000000	PASS



99 %Bandwidth



Bandwidth



Date: 17.JAN.2024 02:15:18

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.56000 GHz	5.56000 GHz
Stop Frequency	5.64000 GHz	5.64000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweeptime	11.438 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO

Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

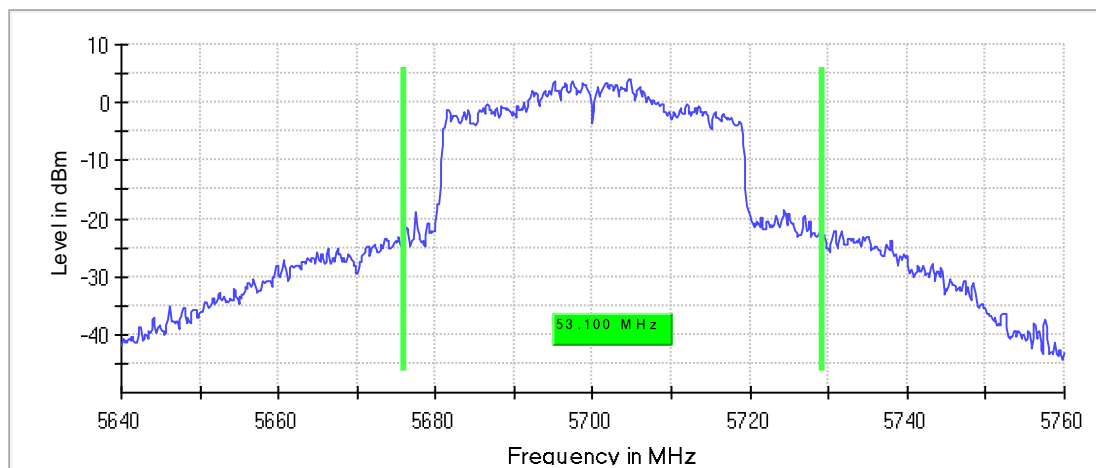
## Emission Bandwidth 26 dB (5700 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

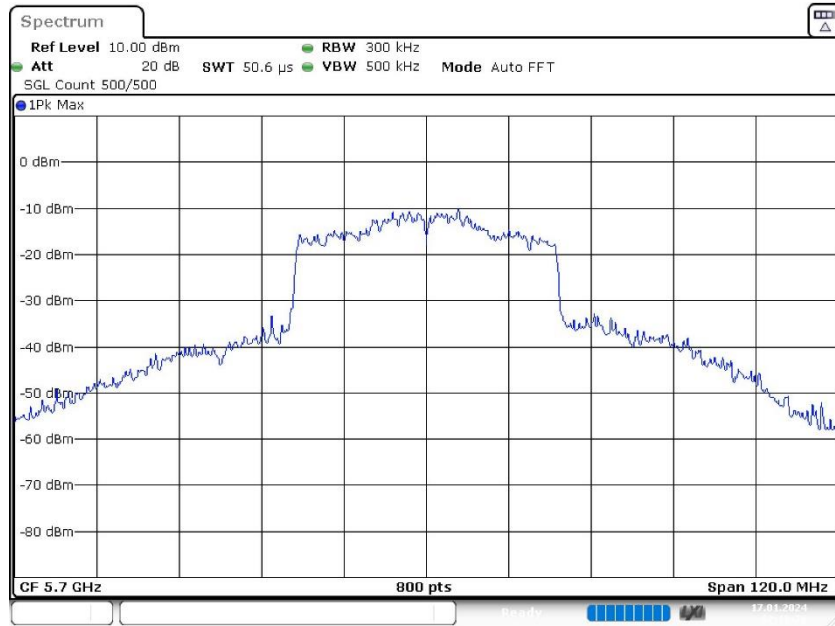
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5700.000000	53.100000	48.925000	4.175000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5700.000000	5676.075000	5729.175000	4.0	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 02:16:27

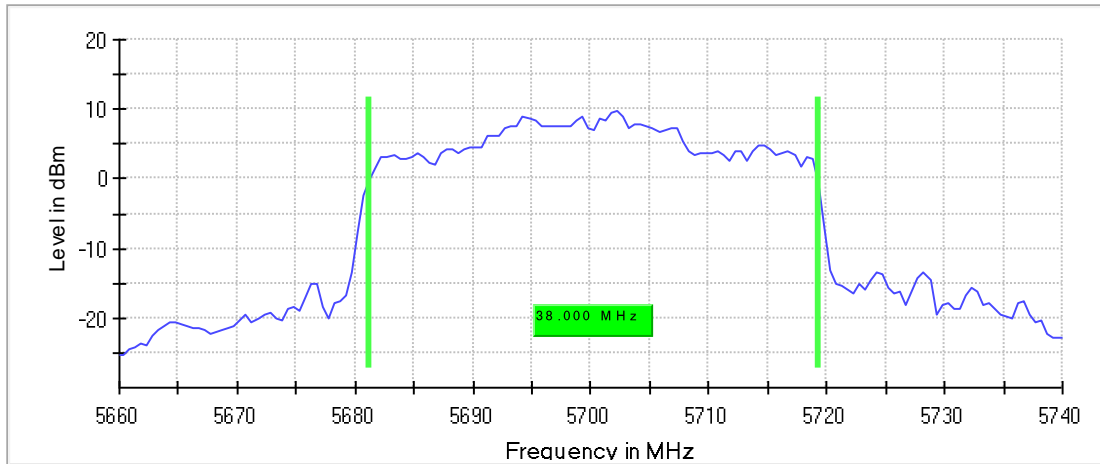
**Occupied Channel Bandwidth 99% (5700 MHz; 24.000 dBm; 40 MHz)**

**99 % Bandwidth**

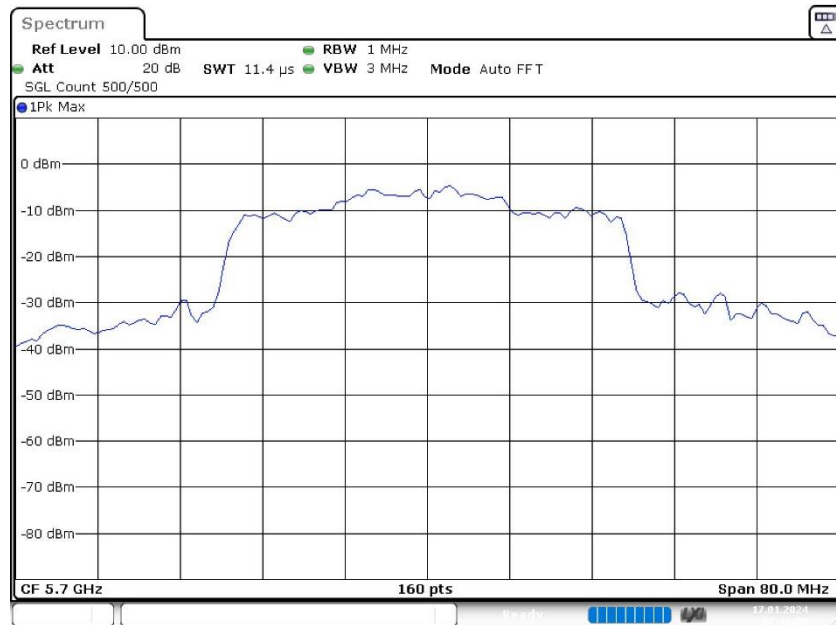
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5700.000000	38.000000	38.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5700.000000	5681.250000	5719.250000	PASS

99 %Bandwidth



Bandwidth



Date: 17.JAN.2024 02:16:39

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.66000 GHz	5.66000 GHz
Stop Frequency	5.74000 GHz	5.74000 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweeptime	11.438 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO

Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

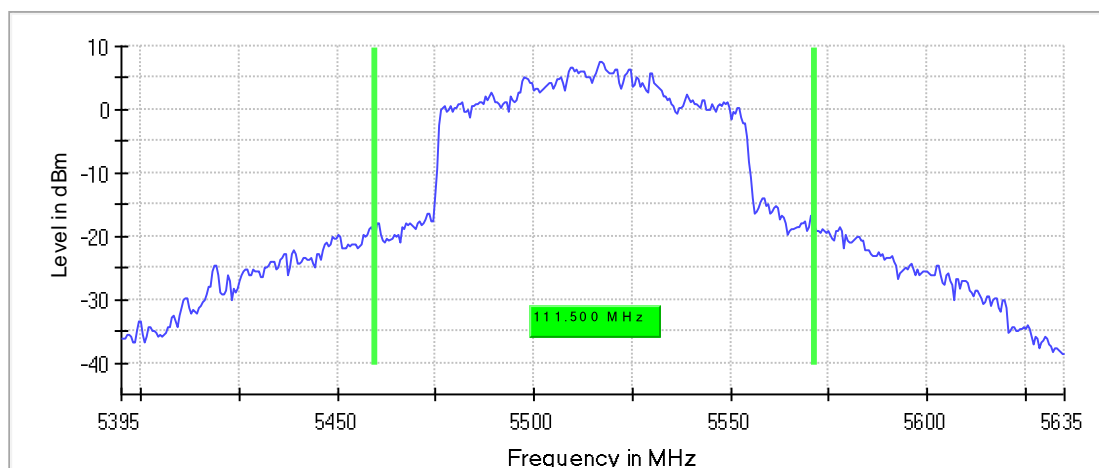
## Emission Bandwidth 26 dB (5515 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

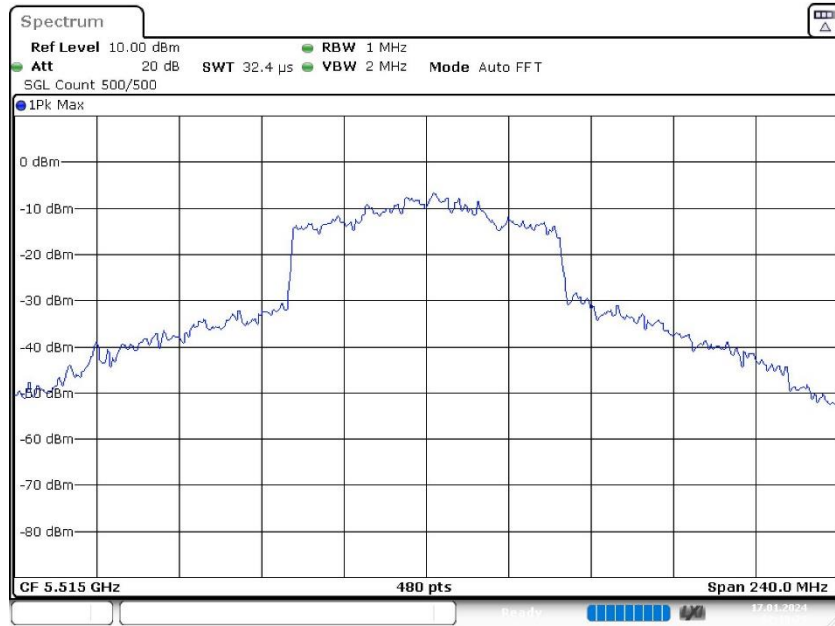
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5515.000000	111.500000	---	---	5459.750000	5571.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5515.000000	7.7	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 02:19:24

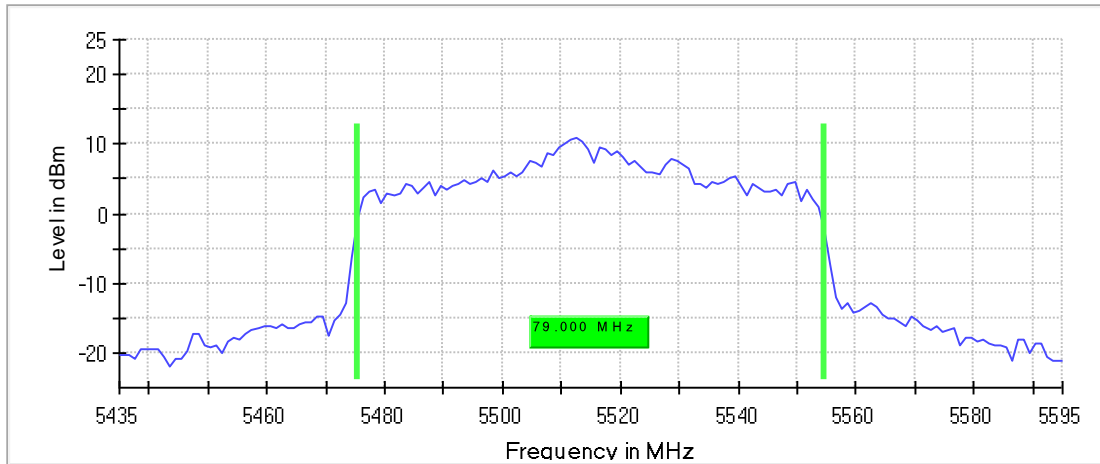
**Occupied Channel Bandwidth 99% (5515 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

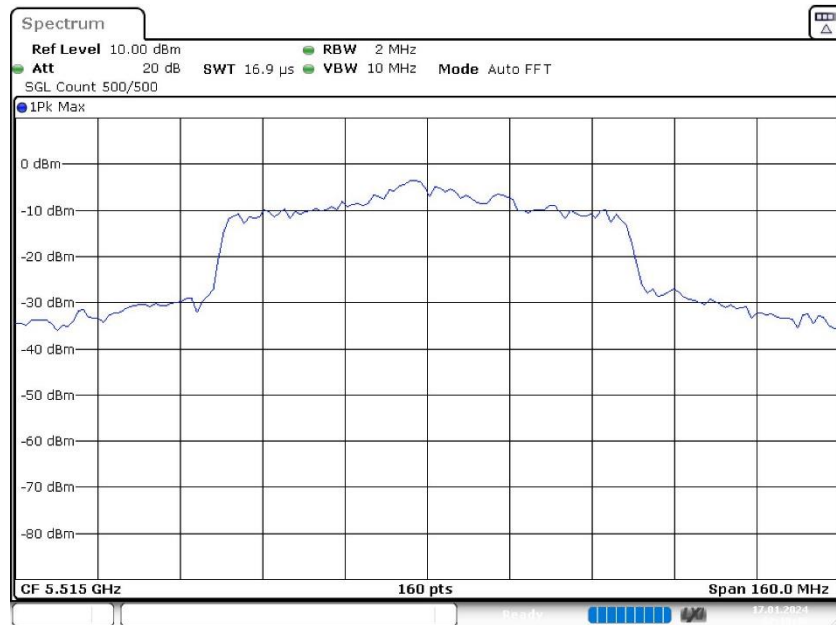
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5515.000000	79.000000	---	---	5475.500000	5554.500000

DUT Frequency (MHz)	Result
5515.000000	PASS

99 %Bandwidth



Bandwidth



Date: 17.JAN.2024 02:19:47

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.43500 GHz	5.43500 GHz
Stop Frequency	5.59500 GHz	5.59500 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	>= 1.600 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160

Sweeptime	16.875 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

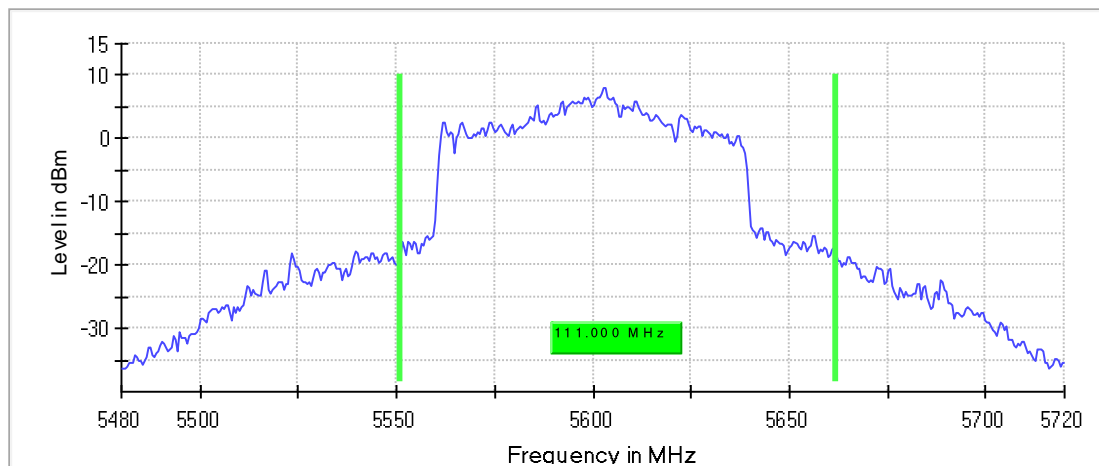
## Emission Bandwidth 26 dB (5600 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	111.000000	---	---	5550.750000	5661.750000

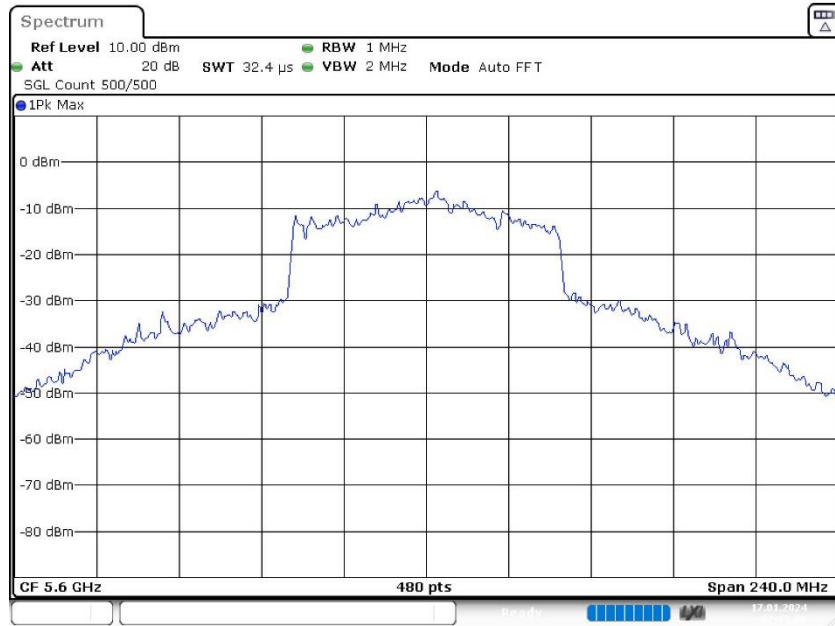
DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	8.1	PASS

26 dB Bandwidth



Bandwidth





Date: 17.JAN.2024 02:21:08

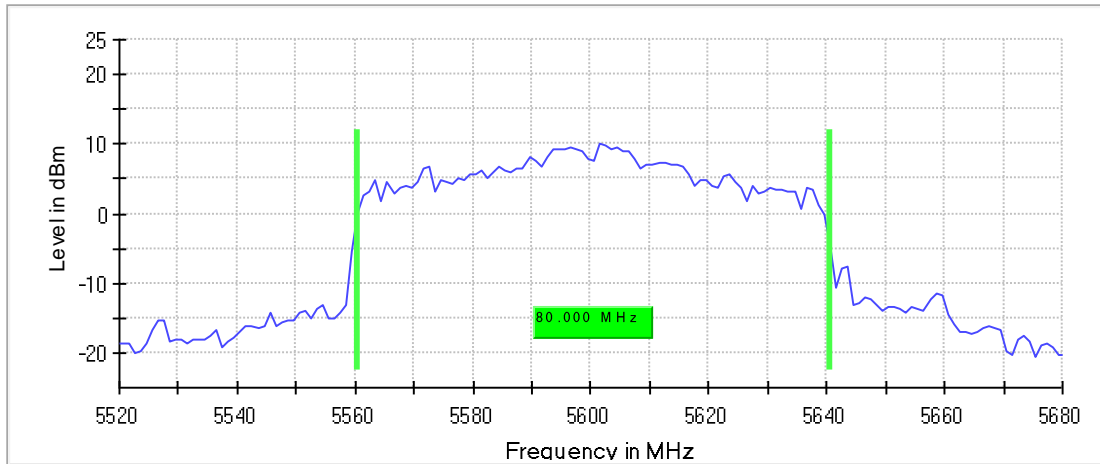
**Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	80.000000	---	---	5560.500000	5640.500000

DUT Frequency (MHz)	Result
5600.000000	PASS

99 %Bandwidth



Bandwidth



Date: 17.JAN.2024 02:21:31

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.52000 GHz	5.52000 GHz
Stop Frequency	5.68000 GHz	5.68000 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	>= 1.600 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
Sweeptime	16.875 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO

Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

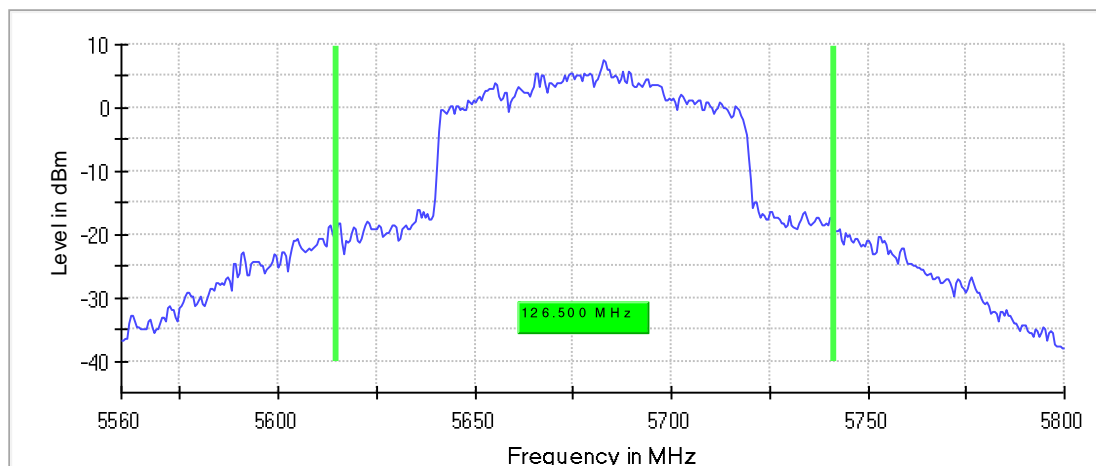
## Emission Bandwidth 26 dB (5680 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

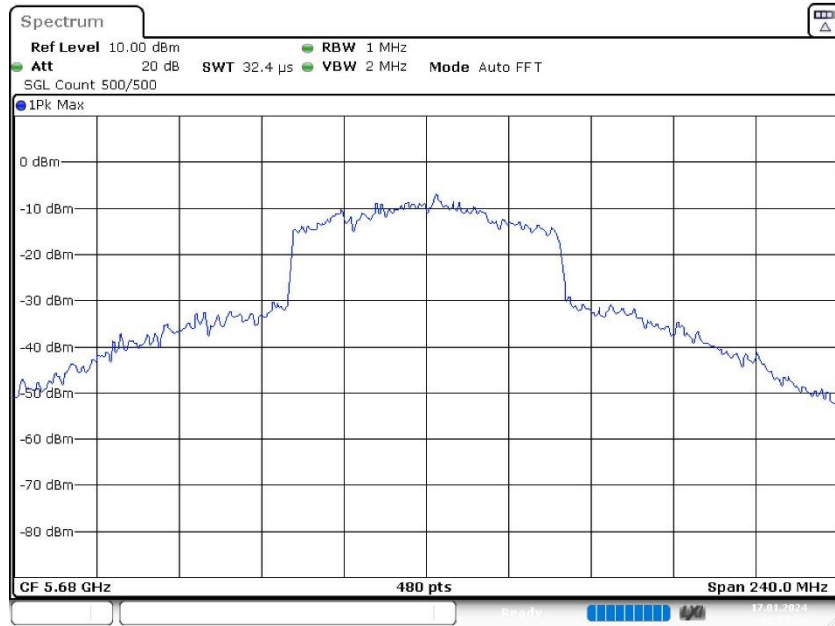
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5680.000000	126.500000	110.250000	16.250000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5680.000000	5614.750000	5741.250000	7.5	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 02:23:56

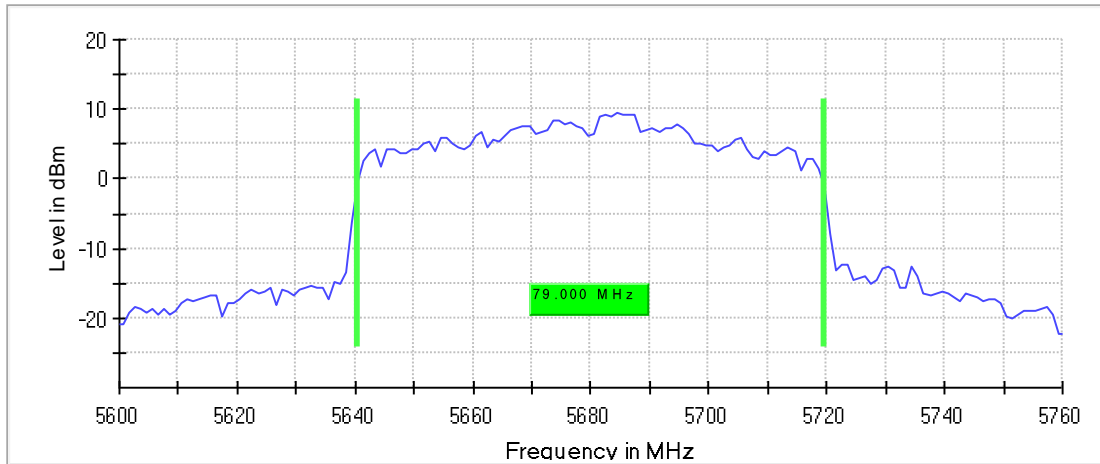
**Occupied Channel Bandwidth 99% (5680 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

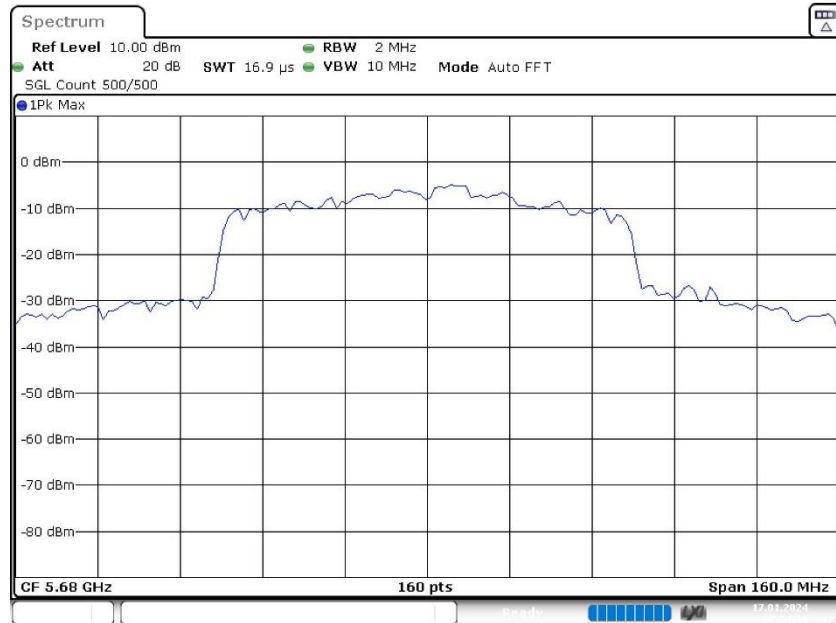
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5680.000000	79.000000	79.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5680.000000	5640.500000	5719.500000	PASS

99 %Bandwidth



Bandwidth



**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.60000 GHz	5.60000 GHz
Stop Frequency	5.76000 GHz	5.76000 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	>= 1.600 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160

SweepTime	16.875 $\mu$ s	AUTO
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

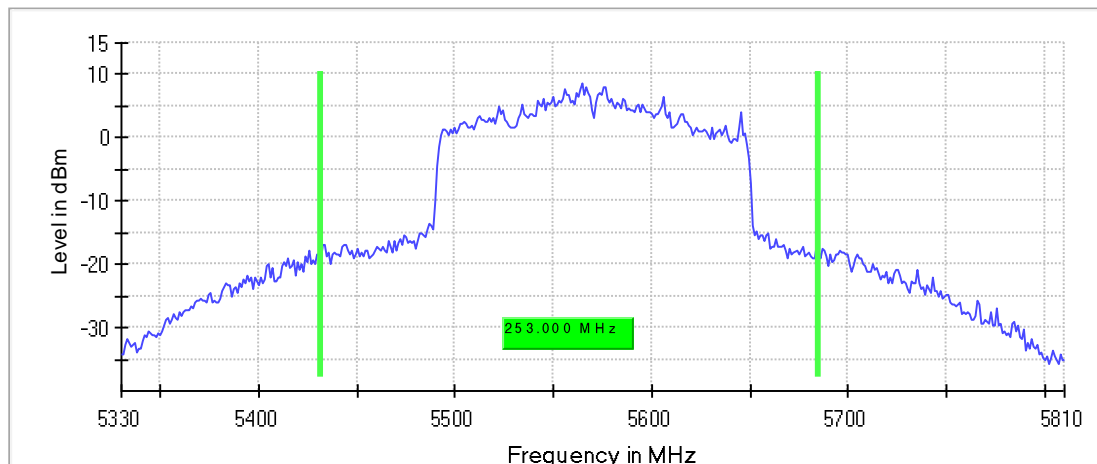
## Emission Bandwidth 26 dB (5570 MHz; 24.000 dBm; 160 MHz)

### 26 dB Bandwidth

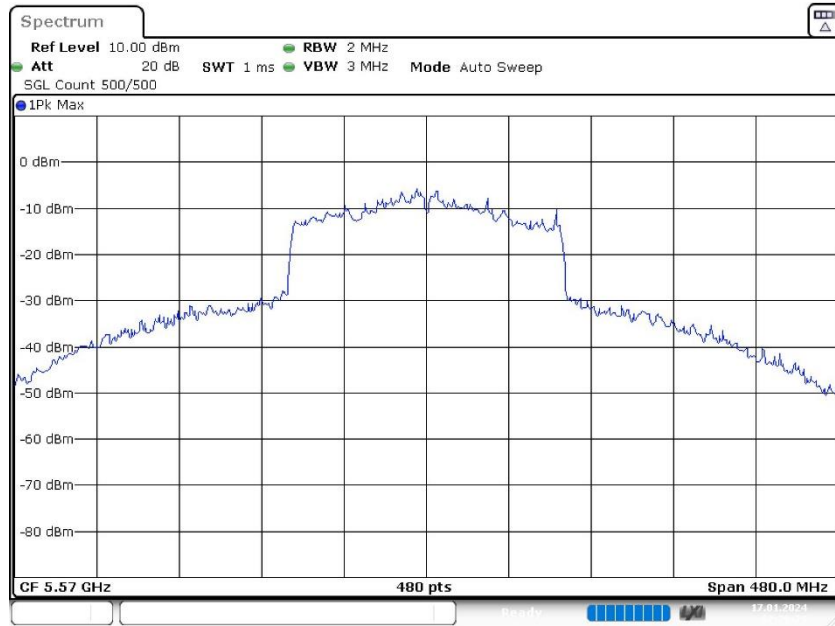
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	253.000000	253.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5570.000000	5431.500000	5684.500000	8.6	PASS

26 dB Bandwidth



Bandwidth



Date: 17.JAN.2024 02:26:23

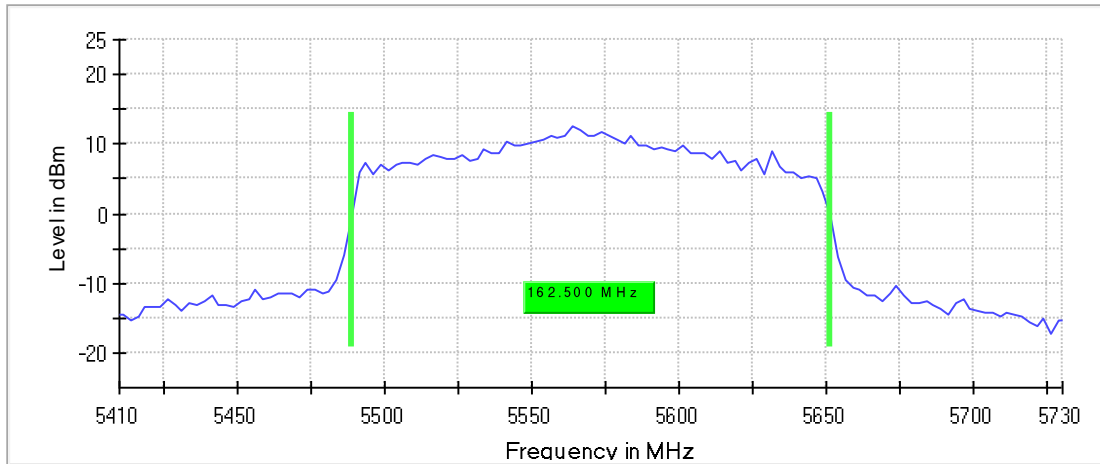
**Occupied Channel Bandwidth 99% (5570 MHz; 24.000 dBm; 160 MHz)**

**99 % Bandwidth**

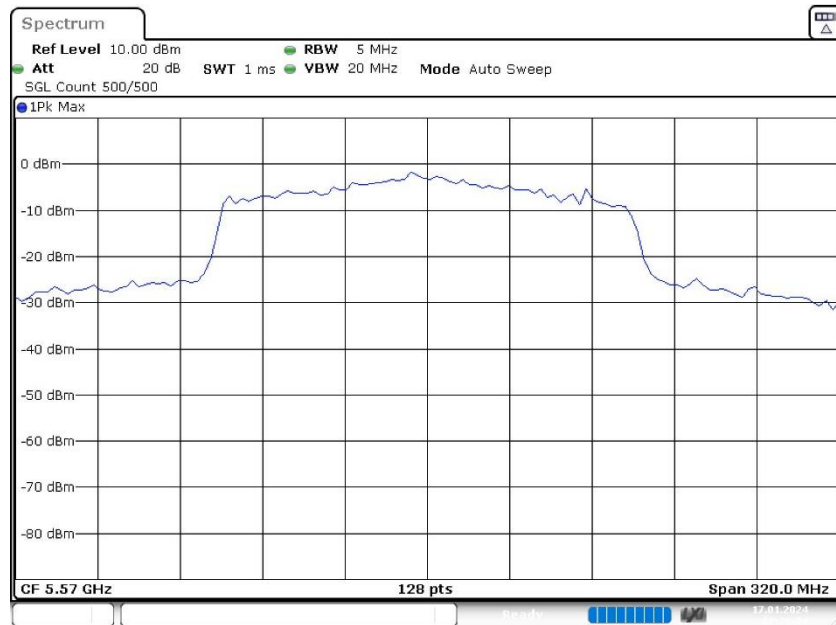
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	162.500000	162.500000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5570.000000	5488.750000	5651.250000	PASS

99 %Bandwidth



Bandwidth



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## 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	>= 3.200 MHz
VBW	20.000 MHz	>= 15.000 MHz
SweepPoints	128	~ 128



<b>SweepTime</b>	<b>1.000 ms</b>	<b>AUTO</b>
<b>Reference Level</b>	<b>10.000 dBm</b>	<b>AUTO</b>
<b>Attenuation</b>	<b>20.000 dB</b>	<b>20.000 dB</b>
<b>Detector</b>	<b>MaxPeak</b>	<b>MaxPeak</b>
<b>SweepCount</b>	<b>500</b>	<b>500</b>
<b>Filter</b>	<b>3 dB</b>	<b>3 dB</b>
<b>Trace Mode</b>	<b>Max Hold</b>	<b>Max Hold</b>
<b>SweepType</b>	<b>Sweep</b>	<b>AUTO</b>
<b>Preamp</b>	<b>off</b>	<b>off</b>

-- End of Report --