



427 West 12800 South  
Draper, UT 84020

## Test Report Attachment

|                                  |                   |
|----------------------------------|-------------------|
| <b>FCC ID</b>                    | SWX-UDB           |
| <b>ISED ID</b>                   | 6545A-UDB         |
| <b>Equipment Under Test</b>      | UDB               |
| <b>Test Report Serial Number</b> | TR9387_01         |
| <b>Date of Test</b>              | 1 August 2024     |
| <b>Report Issue Date</b>         | 17 September 2024 |

### Test Personnel

|                             |               |
|-----------------------------|---------------|
| <b>Testing performed by</b> | Evan Hartzell |
|-----------------------------|---------------|

### Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2025. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2025. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



# 1 UNII-2 Band – Internal Antenna

## 1.1 UNII-2a

### 1.1.1 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   |
| Power Spectral Density         | 5280.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5280.000        | 24.0                | 20.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5320.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density         | 5320.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5320.000        | 24.0                | 20.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5270.000        | 24.0                | 40.000000               | PASS   |
| Power Spectral Density         | 5270.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5270.000        | 24.0                | 40.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5310.000        | 24.0                | 40.000000               | PASS   |
| Power Spectral Density         | 5310.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5310.000        | 24.0                | 40.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5290.000        | 24.0                | 80.000000               | PASS   |
| Power Spectral Density         | 5290.000        | 24.0                | 80.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5290.000        | 24.0                | 80.000000               | PASS   |

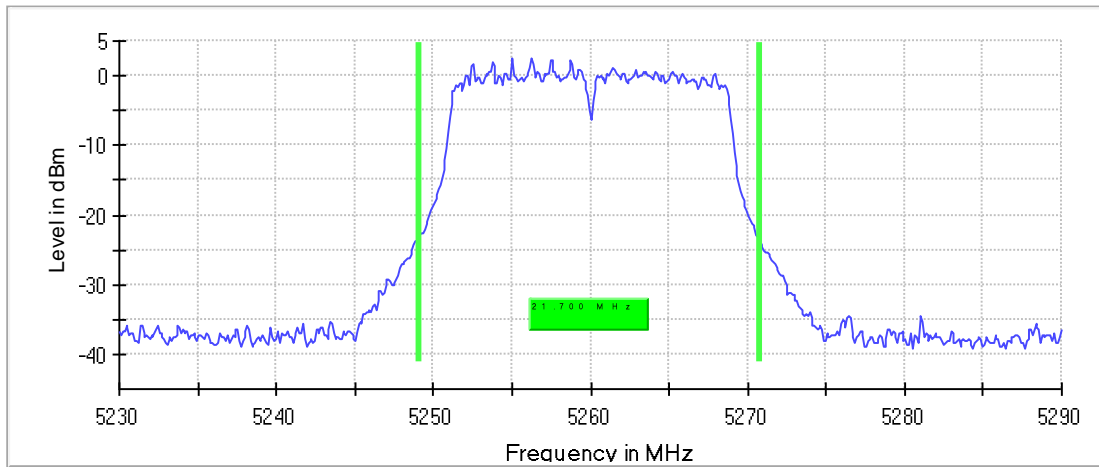
## Emission Bandwidth 26 dB (5260 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

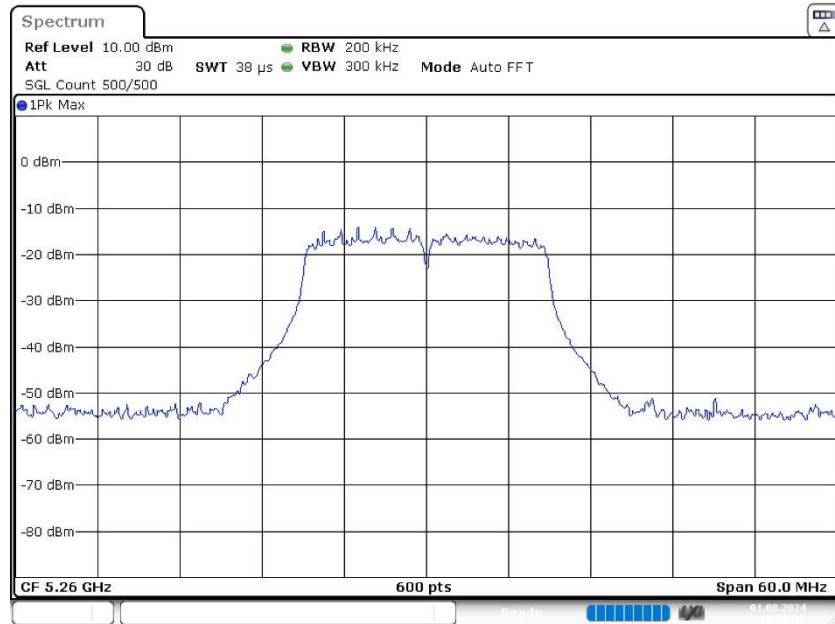
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5260.000000         | 21.700000       | ---             | ---             | 5249.050000          | 5270.750000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5260.000000         | 2.6             | PASS   |

26 dB Bandwidth



Bandwidth



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 5.23000 GHz      | 5.23000 GHz    |
| Stop Frequency  | 5.29000 GHz      | 5.29000 GHz    |
| Span            | 60.000 MHz       | 60.000 MHz     |
| RBW             | 200.000 kHz      | ~ 200.000 kHz  |
| VBW             | 300.000 kHz      | >= 240.000 kHz |
| SweepPoints     | 600              | ~ 600          |
| Sweeptime       | 37.969 $\mu$ s   | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 30.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| Sweeptype       | FFT              | AUTO           |
| Preamp          | off              | off            |

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

### Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 5260.000000         | 16.3            | 24.0            | 16.3             | 88.579        | PASS   |

### OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

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

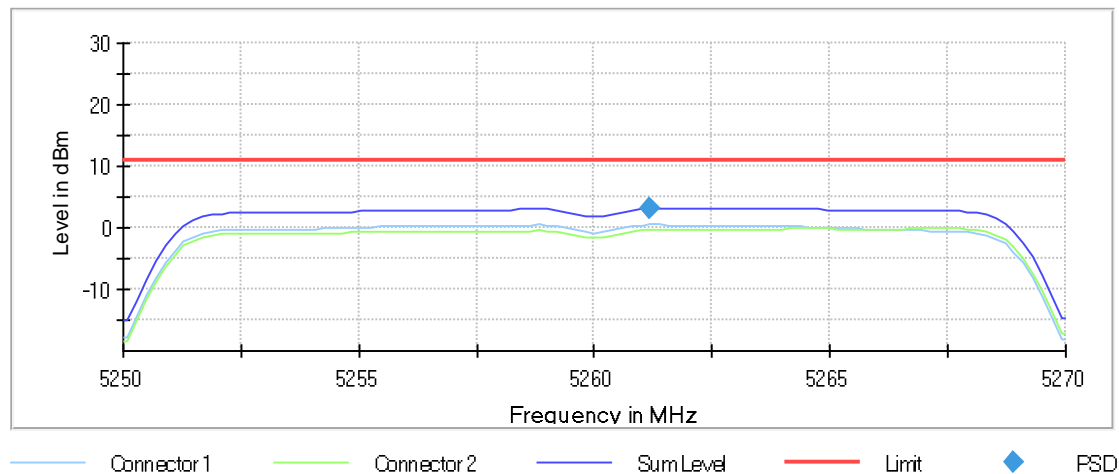
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5260.000000         | 5261.188119     | 3.125     | 11.0            | PASS   |

### Ports

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

Power Spectral Density



### Measurement

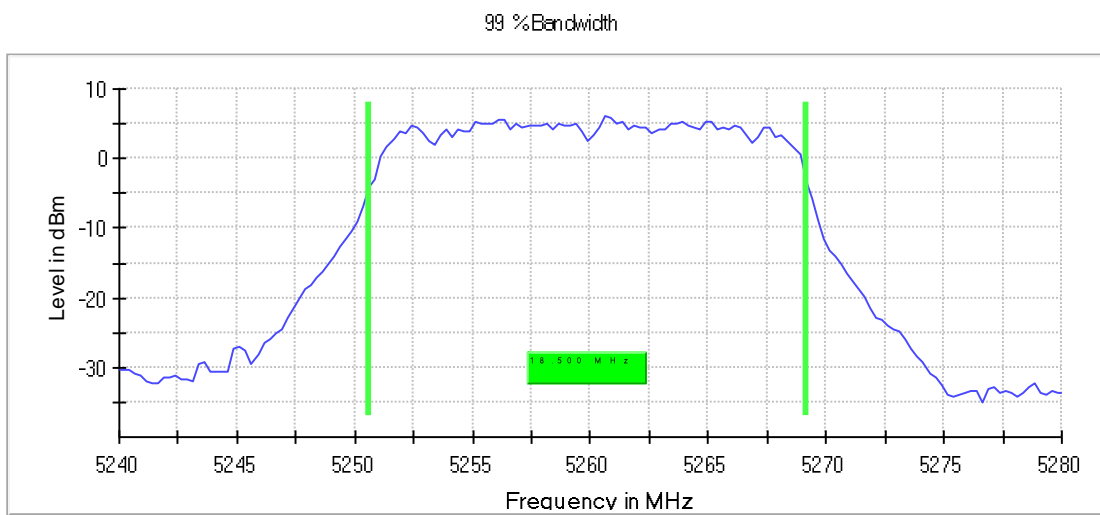
| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 5.25000 GHz      | 5.25000 GHz   |
| Stop Frequency  | 5.27000 GHz      | 5.27000 GHz   |
| Span            | 20.000 MHz       | 20.000 MHz    |
| RBW             | 1.000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

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

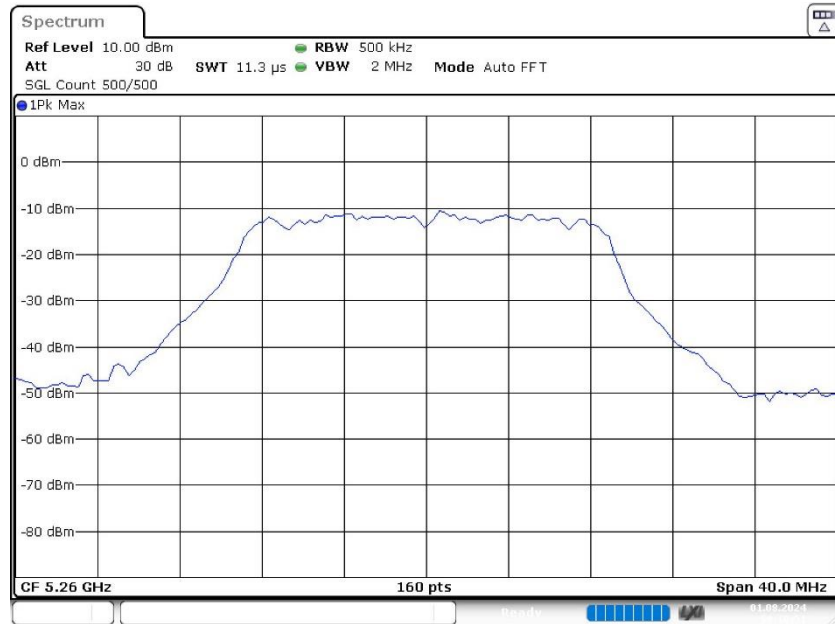
**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5260.000000         | 18.500000       | ---             | ---             | 5250.625000          | 5269.125000           |

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



Bandwidth



Date: 1.AUG.2024 00:10:51

## Measurement

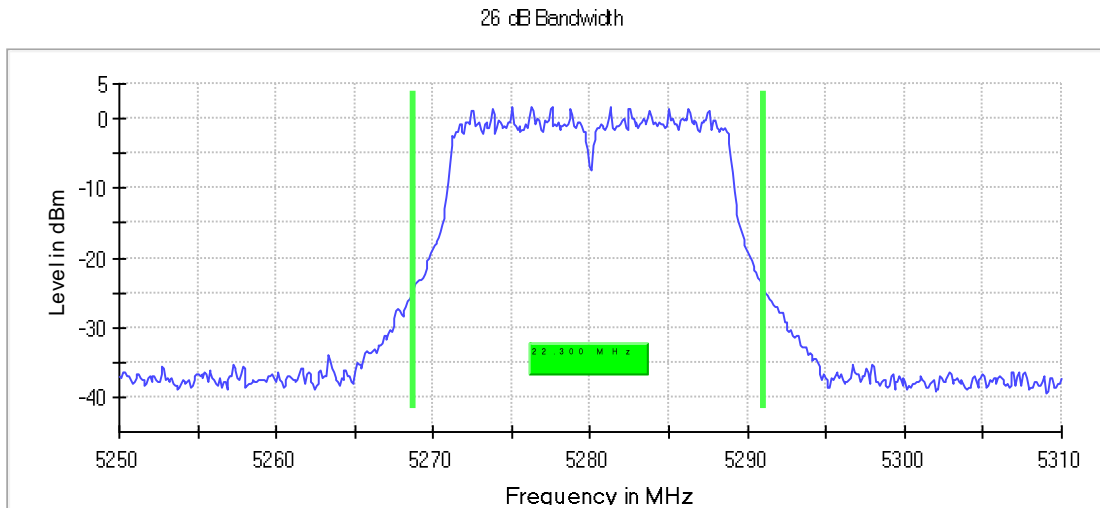
| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 5.24000 GHz      | 5.24000 GHz    |
| Stop Frequency  | 5.28000 GHz      | 5.28000 GHz    |
| Span            | 40.000 MHz       | 40.000 MHz     |
| RBW             | 500.000 kHz      | >= 500.000 kHz |
| VBW             | 2.000 MHz        | >= 1.500 MHz   |
| SweepPoints     | 160              | ~ 160          |
| Sweeptime       | 11.344 $\mu$ s   | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 30.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| Sweeptype       | FFT              | AUTO           |
| Preamp          | off              | off            |

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

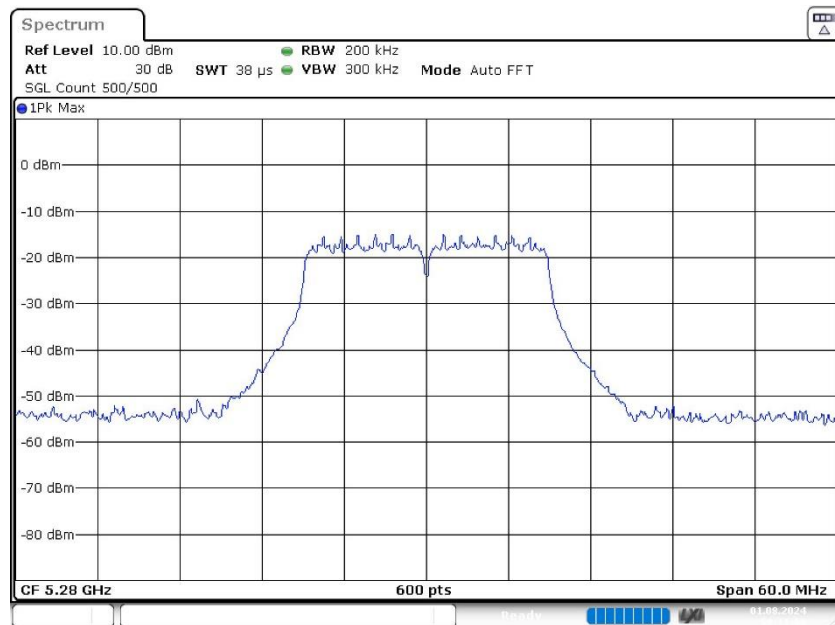
### 26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5280.000000         | 22.300000       | ---             | ---             | 5268.750000          | 5291.050000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5280.000000         | 1.8             | PASS   |



Bandwidth



Date: 1.AUG.2024 00:11:07

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

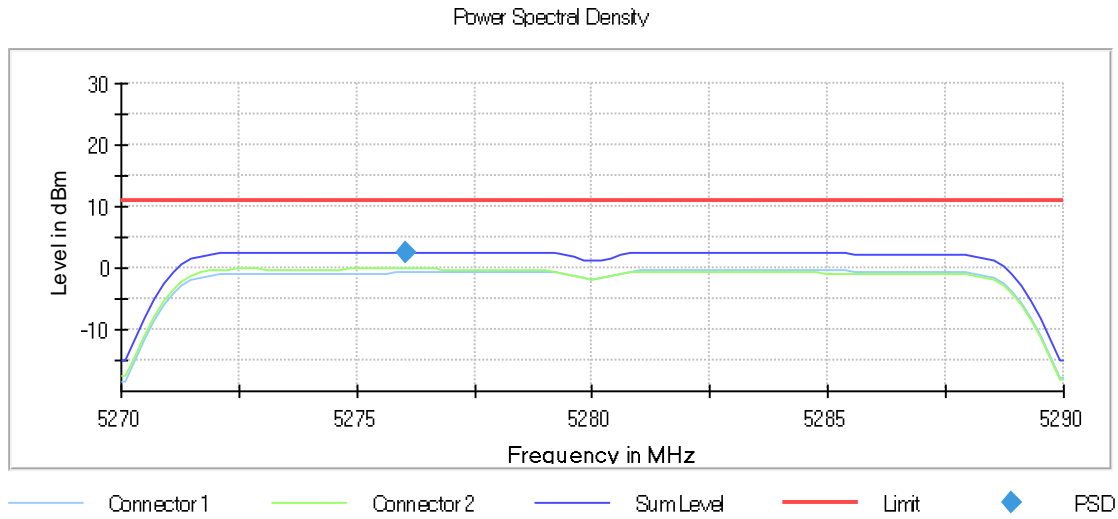
**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5280.000000         | 5276.039604     | 2.622     | 11.0            | PASS   |



### Ports

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

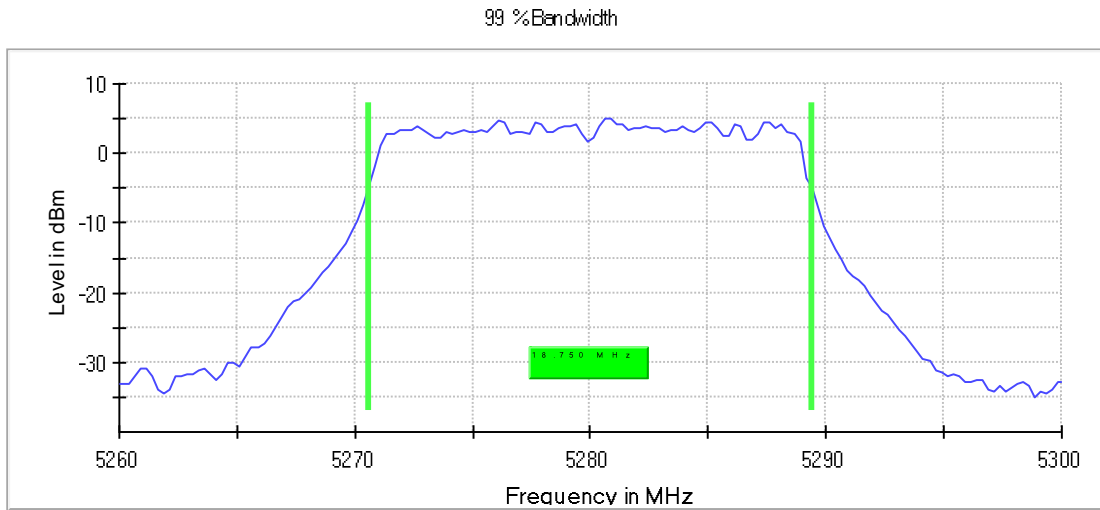


**Occupied Channel Bandwidth 99% (5280 MHz; 24.000 dBm; 20 MHz)**

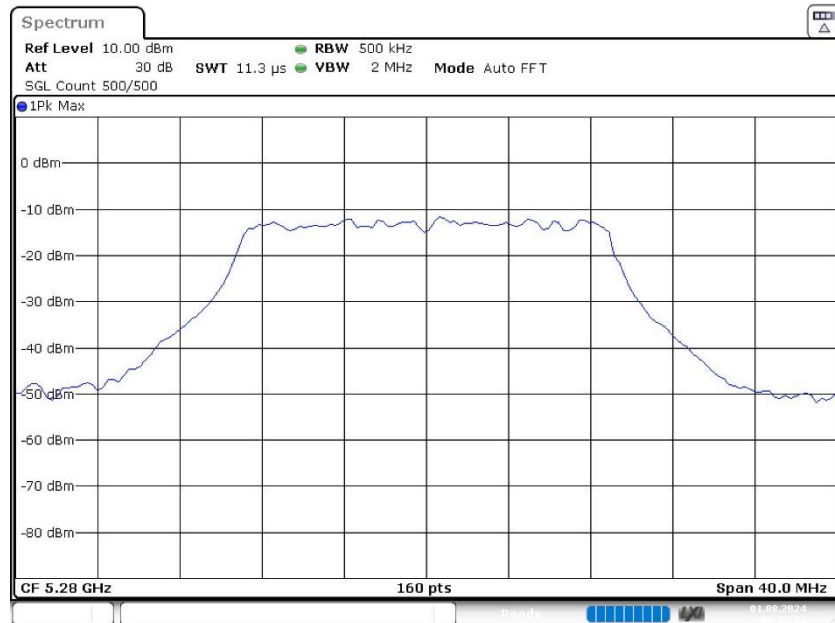
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5280.000000         | 18.750000       | ---             | ---             | 5270.625000          | 5289.375000           |

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



Bandwidth



Date: 1.AUG.2024 00:12:02

Measurement

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 5.26000 GHz      | 5.26000 GHz        |
| Stop Frequency  | 5.30000 GHz      | 5.30000 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 500.000 kHz      | $\geq$ 500.000 kHz |
| VBW             | 2.000 MHz        | $\geq$ 1.500 MHz   |
| SweepPoints     | 160              | $\sim$ 160         |
| Sweeptime       | 11.344 $\mu$ s   | AUTO               |
| Reference Level | 10.000 dBm       | 10.000 dBm         |

|             |           |          |
|-------------|-----------|----------|
| Attenuation | 30.000 dB | AUTO     |
| Detector    | MaxPeak   | MaxPeak  |
| SweepCount  | 500       | 500      |
| Filter      | 3 dB      | 3 dB     |
| Trace Mode  | Max Hold  | Max Hold |
| SweepType   | FFT       | AUTO     |
| Preamp      | off       | off      |

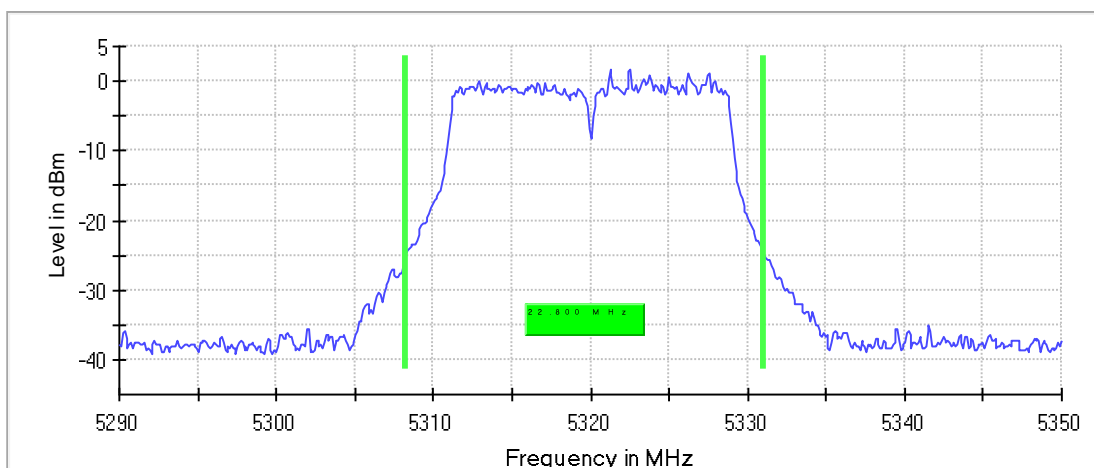
## Emission Bandwidth 26 dB (5320 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

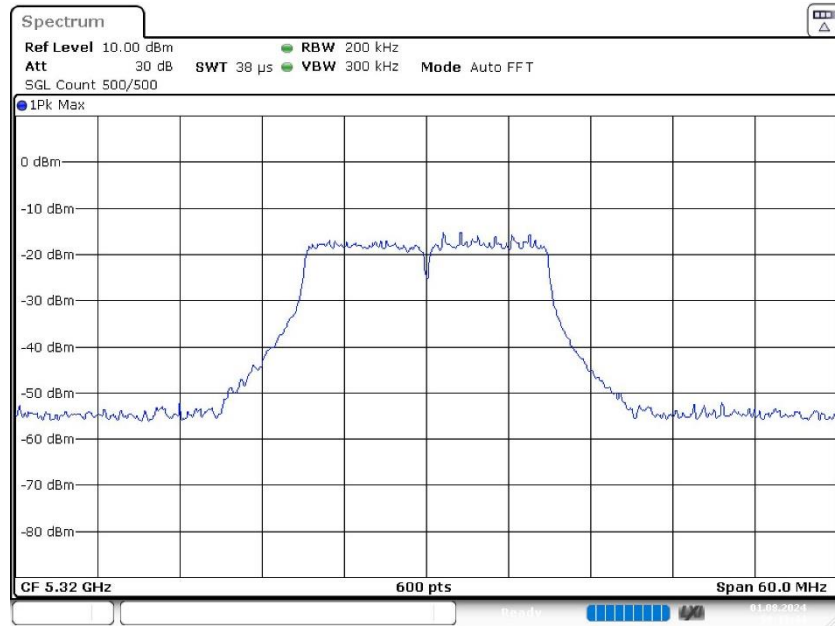
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5320.000000         | 22.800000       | ---             | ---             | 5308.250000          | 5331.050000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5320.000000         | 1.7             | PASS   |

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 00:13:44

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

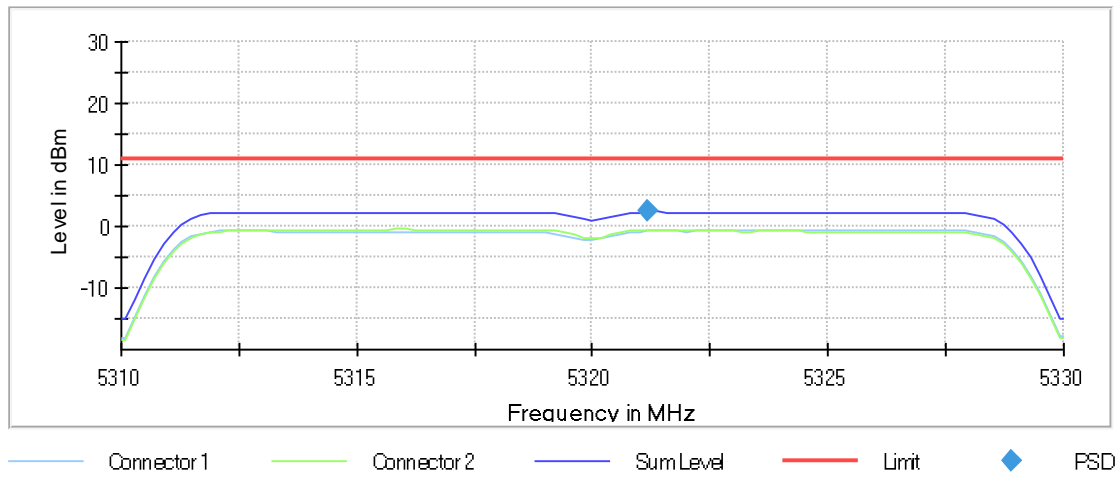
#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5320.000000         | 5321.188119     | 2.354     | 11.0            | PASS   |

#### Ports

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

Power Spectral Density



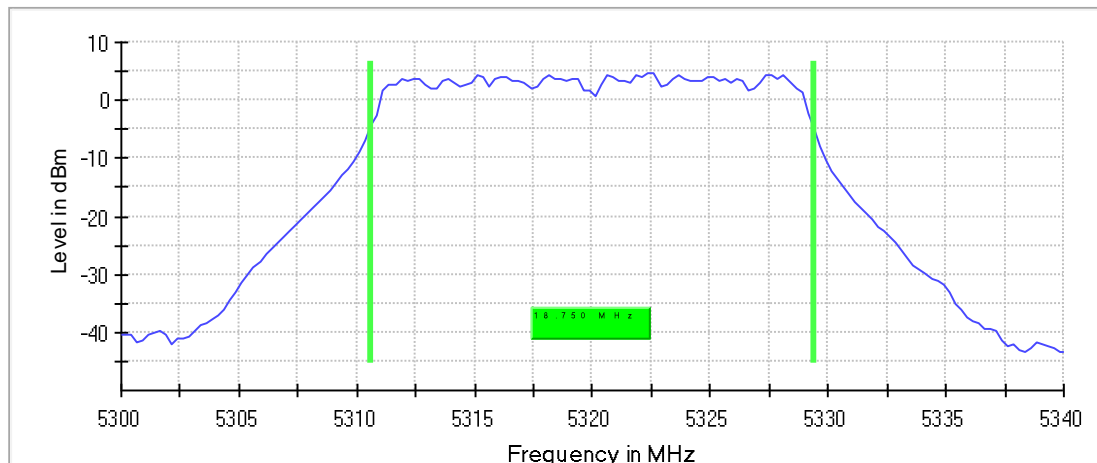
**Occupied Channel Bandwidth 99% (5320 MHz; 24.000 dBm; 20 MHz)**

**99 % Bandwidth**

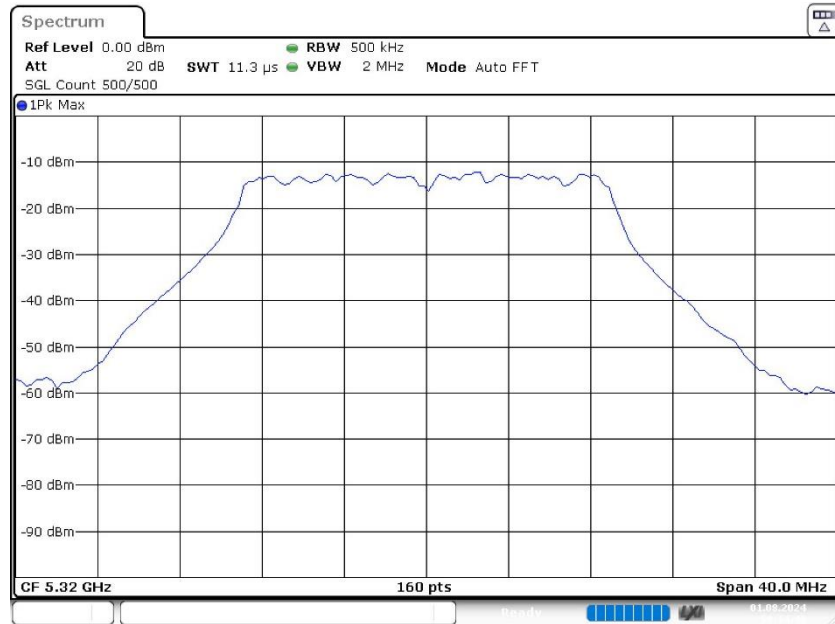
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5320.000000         | 18.750000       | ---             | ---             | 5310.625000          | 5329.375000           |

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

99 % Bandwidth



Bandwidth



Date: 1.AUG.2024 00:14:40

### Measurement

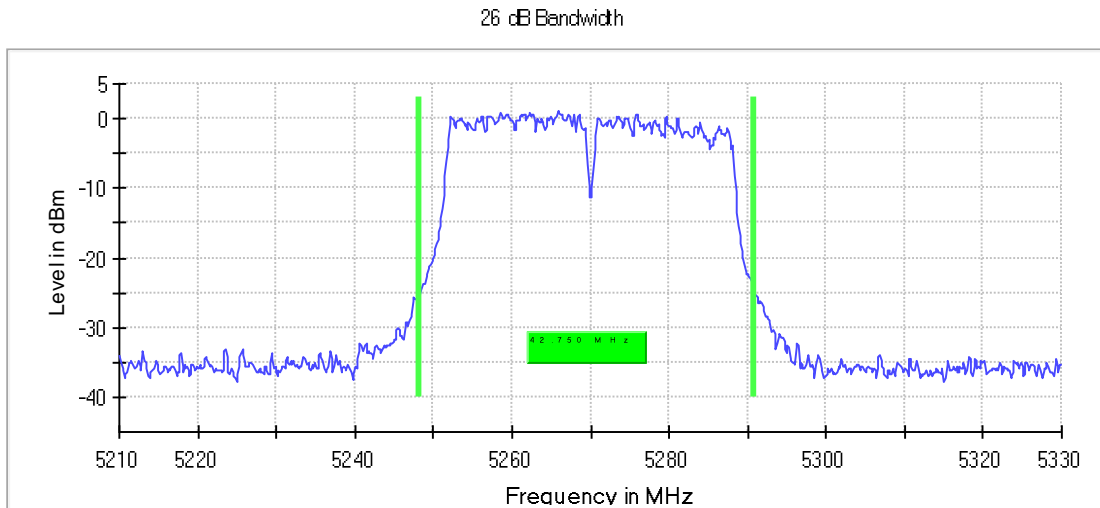
| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 5.30000 GHz      | 5.30000 GHz    |
| Stop Frequency  | 5.34000 GHz      | 5.34000 GHz    |
| Span            | 40.000 MHz       | 40.000 MHz     |
| RBW             | 500.000 kHz      | >= 500.000 kHz |
| VBW             | 2.000 MHz        | >= 1.500 MHz   |
| SweepPoints     | 160              | ~ 160          |
| Sweeptime       | 11.344 $\mu$ s   | AUTO           |
| Reference Level | 0.000 dBm        | 0.000 dBm      |
| Attenuation     | 20.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

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

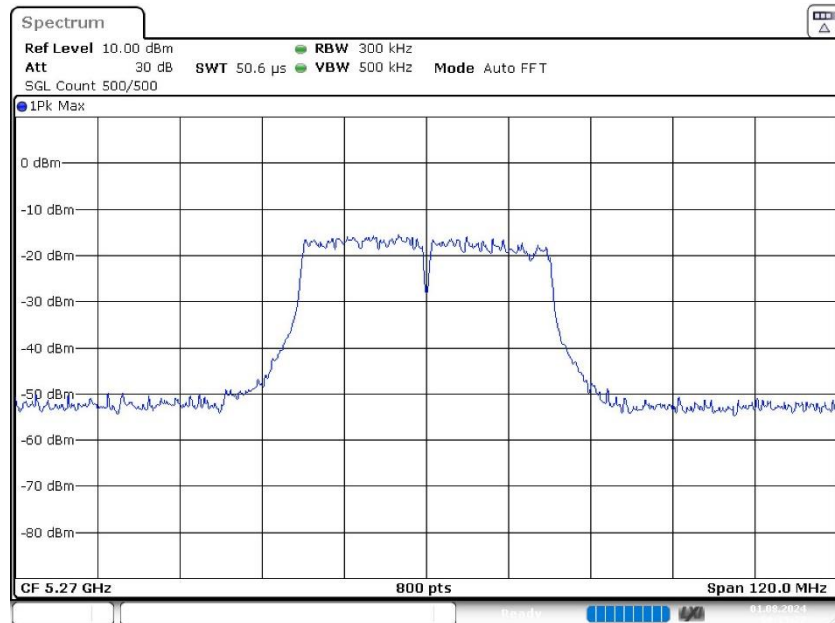
#### 26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5270.000000         | 42.750000       | ---             | ---             | 5248.175000          | 5290.925000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5270.000000         | 1.2             | PASS   |



**Bandwidth**



Date: 1.AUG.2024 00:15:27

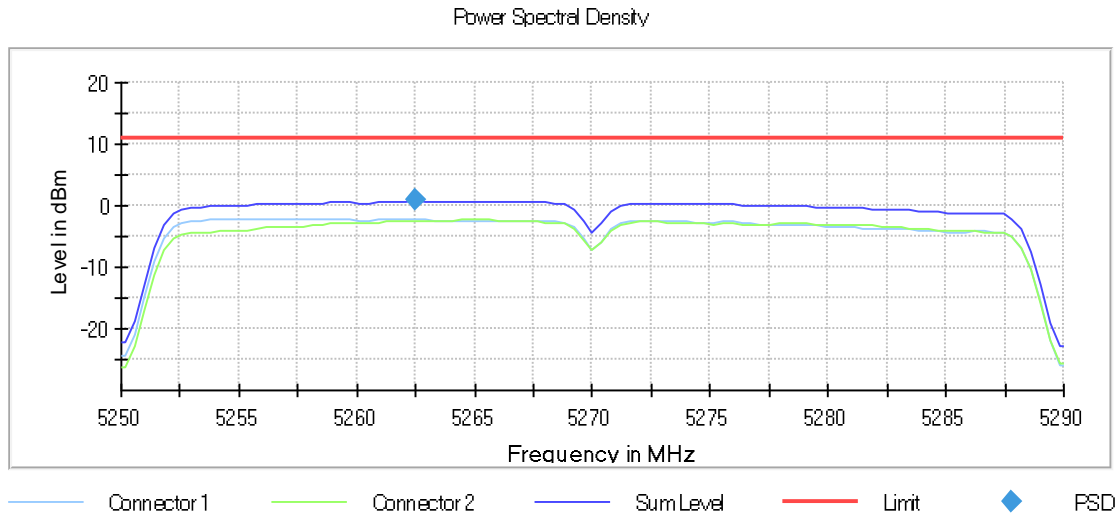
**Power Spectral Density (5270 MHz; 24.000 dBm; 40 MHz)**

**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5270.000000         | 5262.475248     | 0.797     | 11.0            | PASS   |

**Ports**

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

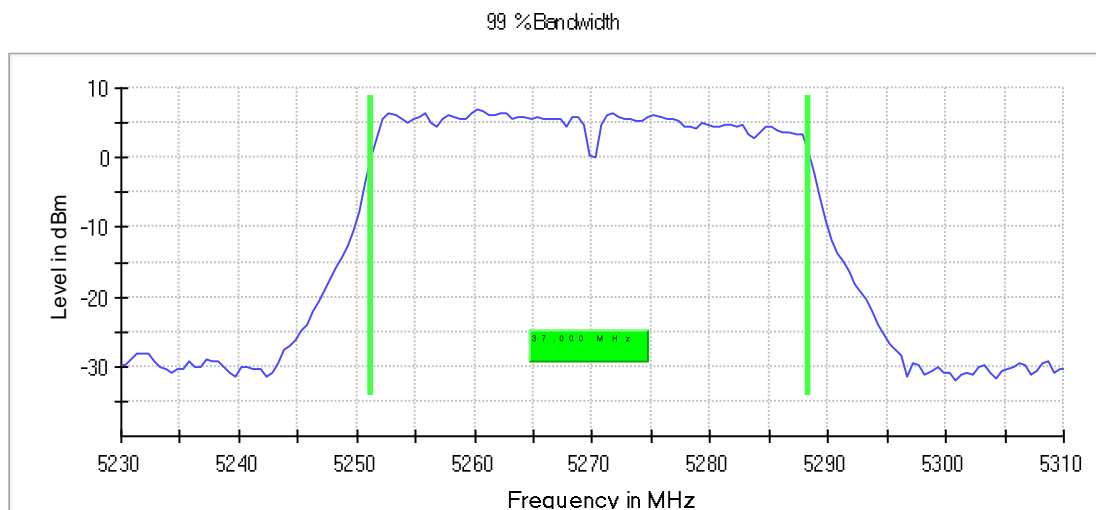


**Occupied Channel Bandwidth 99% (5270 MHz; 24.000 dBm; 40 MHz)**

**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5270.000000         | 37.000000       | ---             | ---             | 5251.250000          | 5288.250000           |

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





Bandwidth



Date: 1.AUG.2024 00:16:24

Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.23000 GHz      | 5.23000 GHz  |
| Stop Frequency  | 5.31000 GHz      | 5.31000 GHz  |
| Span            | 80.000 MHz       | 80.000 MHz   |
| RBW             | 1.000 MHz        | >= 1.000 MHz |
| VBW             | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweptime        | 11.438 μs        | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |
| Attenuation     | 30.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 500              | 500          |
| Filter          | 3 dB             | 3 dB         |
| Trace Mode      | Max Hold         | Max Hold     |
| Sweeptype       | FFT              | AUTO         |
| Preamp          | off              | off          |

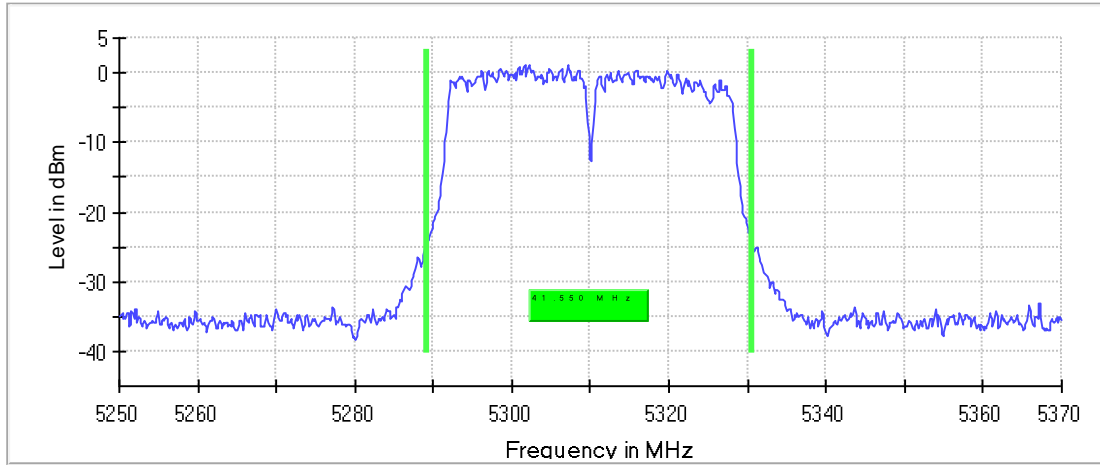
Emission Bandwidth 26 dB (5310 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

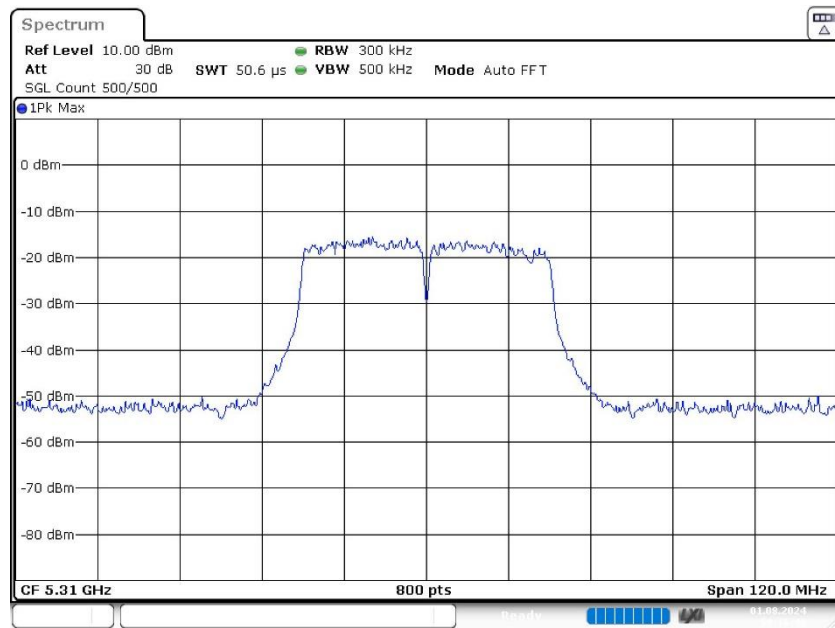
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5310.000000         | 41.550000       | ---             | ---             | 5289.075000          | 5330.625000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5310.000000         | 1.2             | PASS   |

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 00:16:47

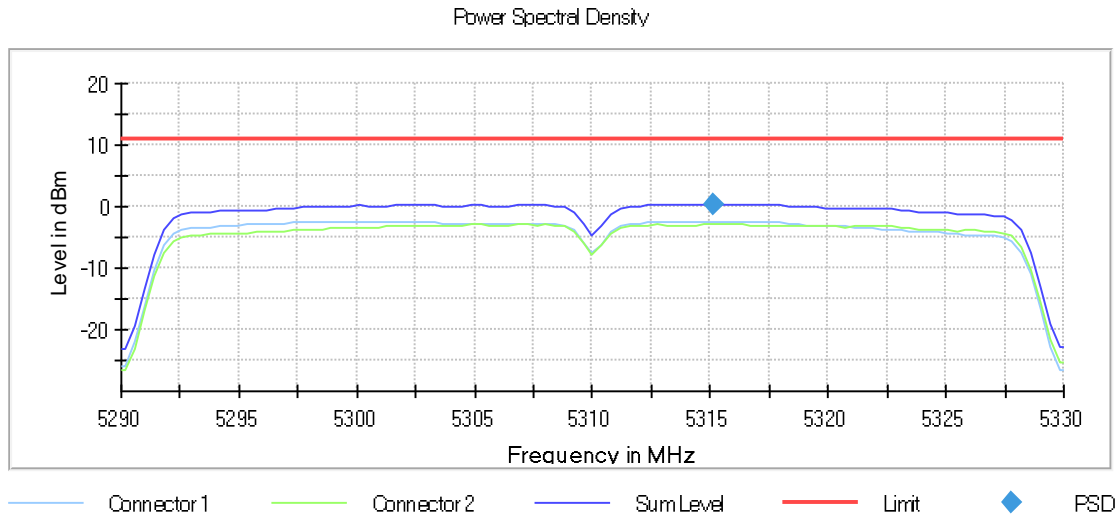
### Power Spectral Density (5310 MHz; 24.000 dBm; 40 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5310.000000         | 5315.148515     | 0.355     | 11.0            | PASS   |

**Ports**

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



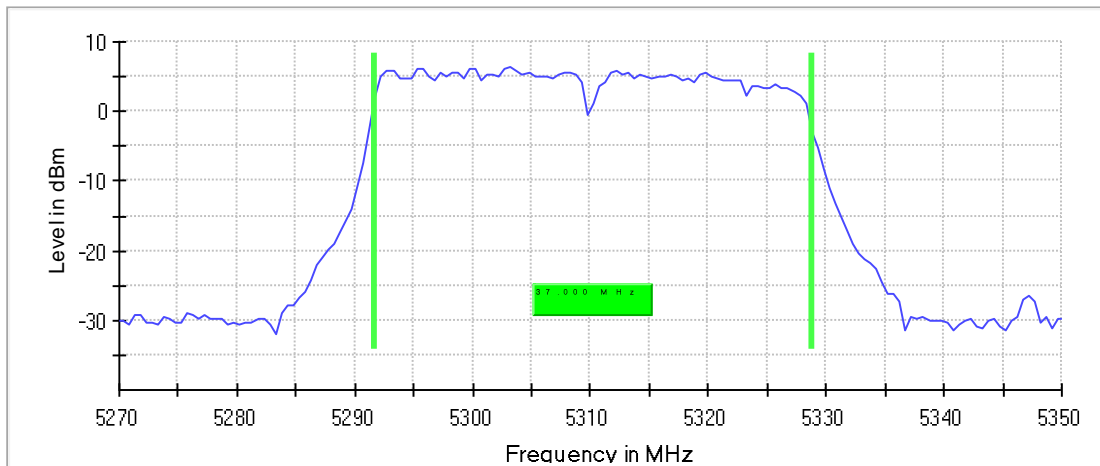
**Occupied Channel Bandwidth 99% (5310 MHz; 24.000 dBm; 40 MHz)**

**99 % Bandwidth**

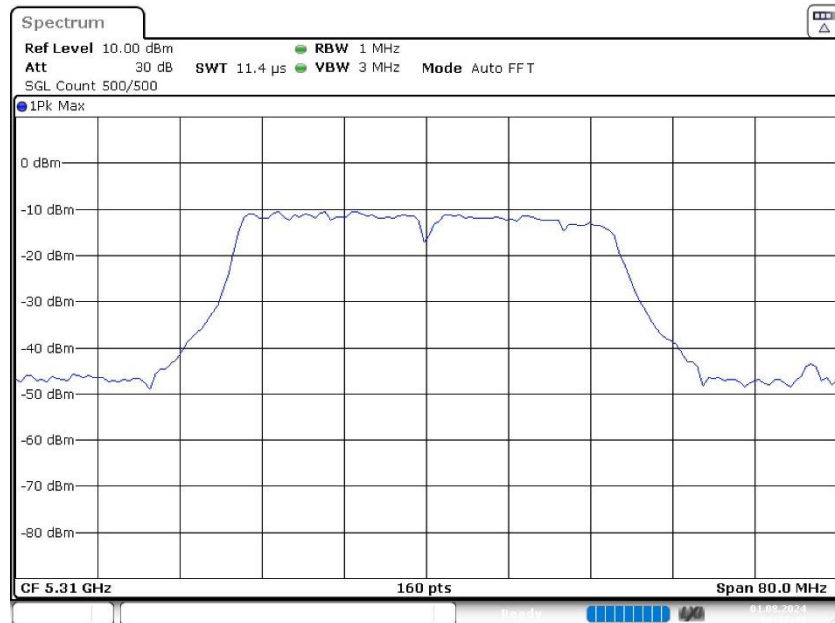
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5310.000000         | 37.000000       | ---             | ---             | 5291.750000          | 5328.750000           |

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

99 %Bandwidth



Bandwidth



Date: 1.AUG.2024 00:17:43

## Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.27000 GHz      | 5.27000 GHz  |
| Stop Frequency  | 5.35000 GHz      | 5.35000 GHz  |
| Span            | 80.000 MHz       | 80.000 MHz   |
| RBW             | 1.000 MHz        | >= 1.000 MHz |
| VBW             | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 11.438 $\mu$ s   | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |

|             |           |          |
|-------------|-----------|----------|
| Attenuation | 30.000 dB | AUTO     |
| Detector    | MaxPeak   | MaxPeak  |
| SweepCount  | 500       | 500      |
| Filter      | 3 dB      | 3 dB     |
| Trace Mode  | Max Hold  | Max Hold |
| SweepType   | FFT       | AUTO     |
| Preamp      | off       | off      |

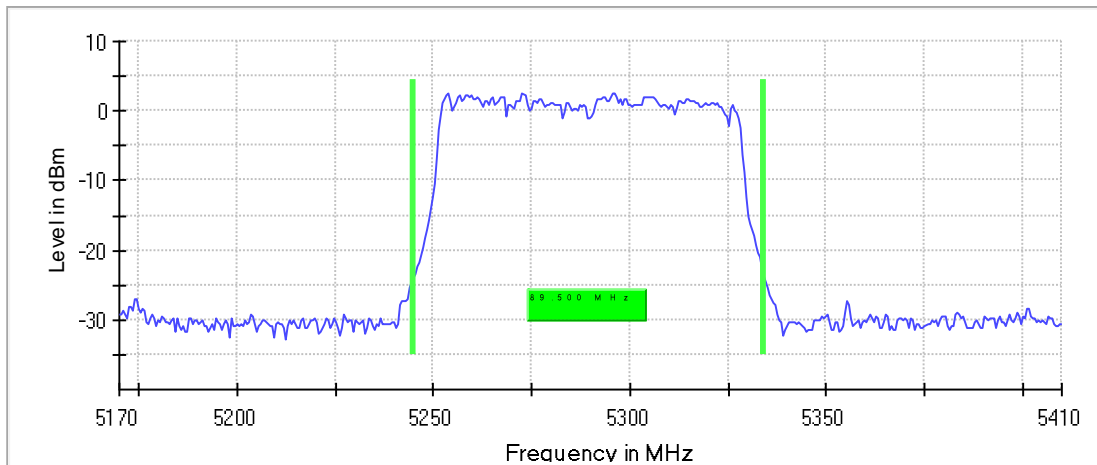
## Emission Bandwidth 26 dB (5290 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

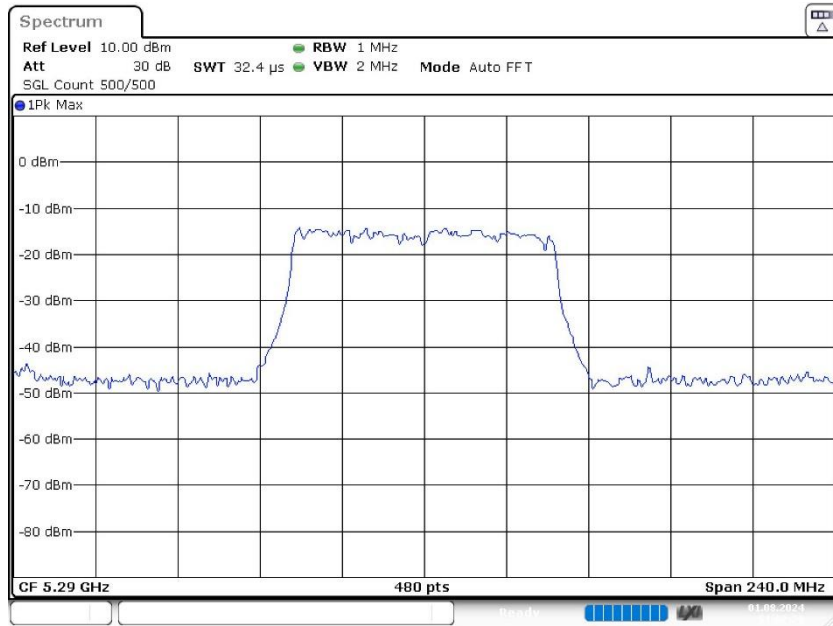
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5290.000000         | 89.500000       | ---             | ---             | 5244.750000          | 5334.250000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5290.000000         | 2.5             | PASS   |

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 01:02:21

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

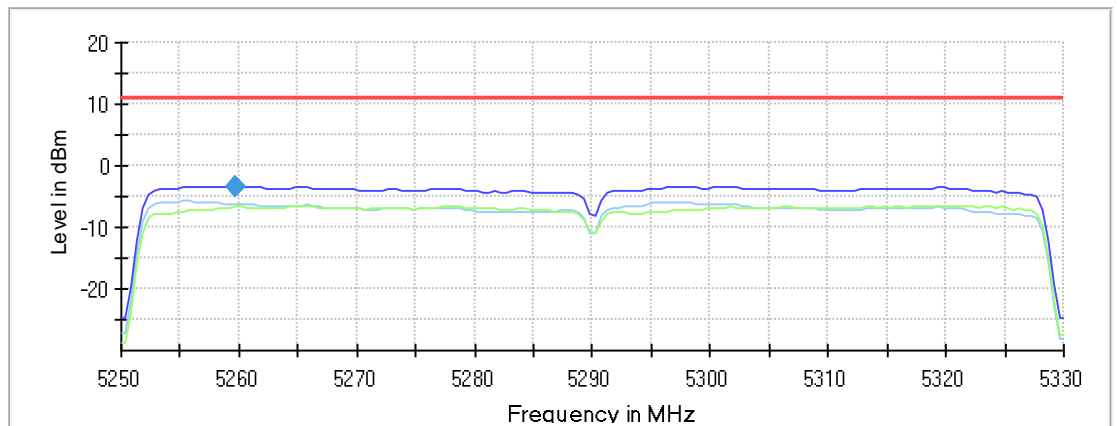
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5290.000000         | 5259.750000     | -3.376    | 11.0            | PASS   |

### Ports

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

Power Spectral Density



Connector 1 Connector 2 SumLevel Limit PSD

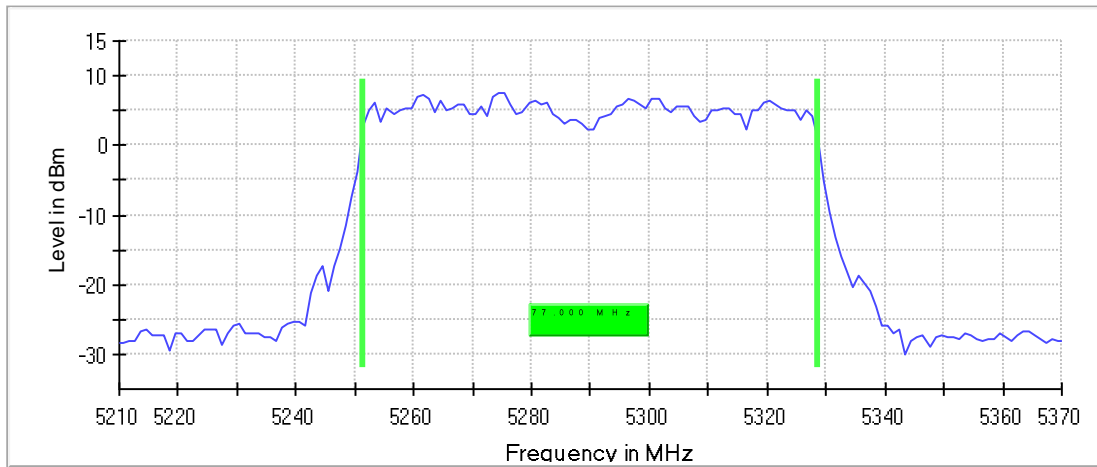
**Occupied Channel Bandwidth 99% (5290 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

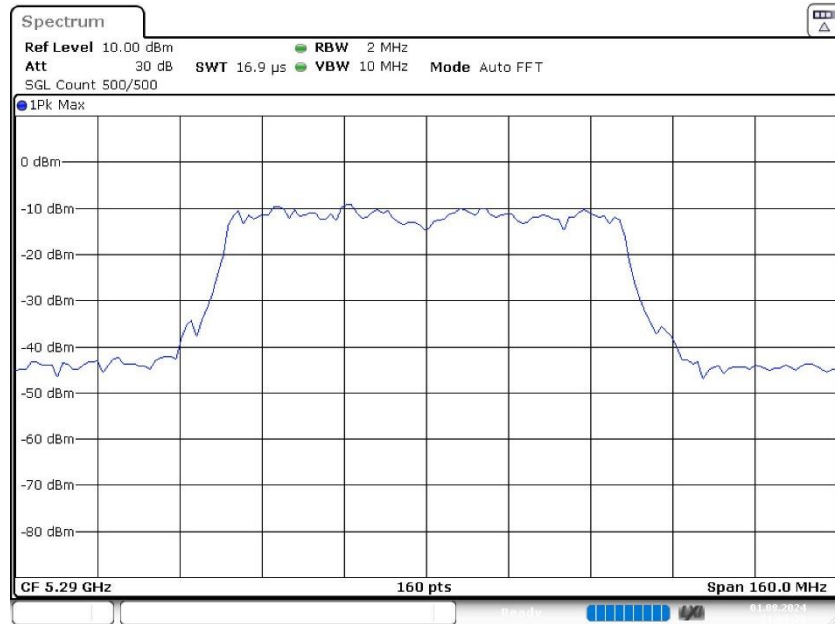
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5290.000000         | 77.000000       | ---             | ---             | 5251.500000          | 5328.500000           |

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

99 %Bandwidth



Bandwidth



Date: 1.AUG.2024 01:03:29

## Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.21000 GHz      | 5.21000 GHz  |
| Stop Frequency  | 5.37000 GHz      | 5.37000 GHz  |
| Span            | 160.000 MHz      | 160.000 MHz  |
| RBW             | 2.000 MHz        | >= 2.000 MHz |
| VBW             | 10.000 MHz       | >= 6.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 16.875 $\mu$ s   | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |
| Attenuation     | 30.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 500              | 500          |
| Filter          | 3 dB             | 3 dB         |
| Trace Mode      | Max Hold         | Max Hold     |
| Sweeptype       | FFT              | AUTO         |
| Preamp          | off              | off          |



## 1.2 UNII-2c

### 1.2.1 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   |
| Power Spectral Density         | 5600.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5600.000        | 24.0                | 20.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5720.000        | 24.0                | 20.000000               | PASS   |
| Power Spectral Density         | 5720.000        | 24.0                | 20.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5720.000        | 24.0                | 20.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5510.000        | 24.0                | 40.000000               | PASS   |
| Power Spectral Density         | 5510.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5510.000        | 24.0                | 40.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5590.000        | 24.0                | 40.000000               | PASS   |
| Power Spectral Density         | 5590.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5590.000        | 24.0                | 40.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5710.000        | 24.0                | 40.000000               | PASS   |
| Power Spectral Density         | 5710.000        | 24.0                | 40.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5710.000        | 24.0                | 40.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5530.000        | 24.0                | 80.000000               | PASS   |
| Power Spectral Density         | 5530.000        | 24.0                | 80.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5530.000        | 24.0                | 80.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5610.000        | 24.0                | 80.000000               | PASS   |
| Power Spectral Density         | 5610.000        | 24.0                | 80.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5610.000        | 24.0                | 80.000000               | PASS   |
| Emission Bandwidth 26 dB       | 5690.000        | 24.0                | 80.000000               | PASS   |
| Power Spectral Density         | 5690.000        | 24.0                | 80.000000               | PASS   |
| Occupied Channel Bandwidth 99% | 5690.000        | 24.0                | 80.000000               | PASS   |

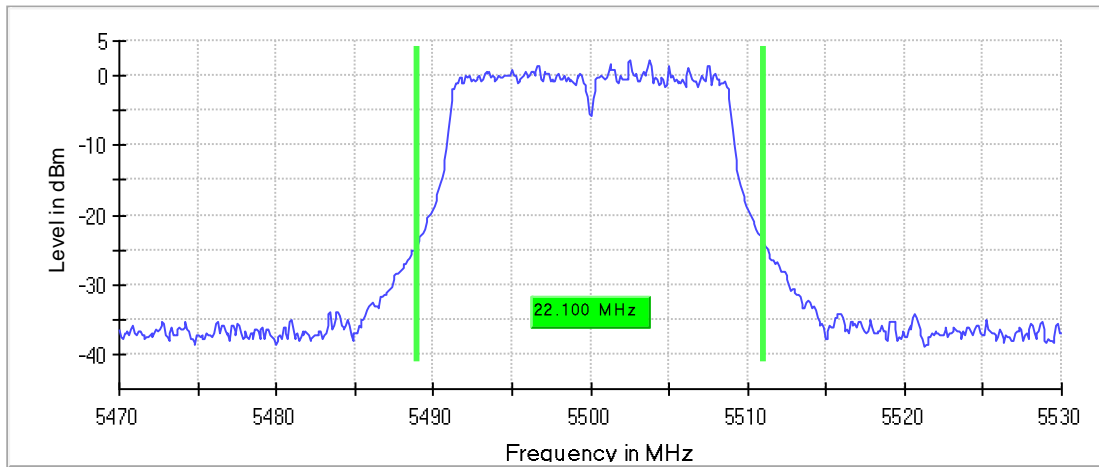
## Emission Bandwidth 26 dB (5500 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

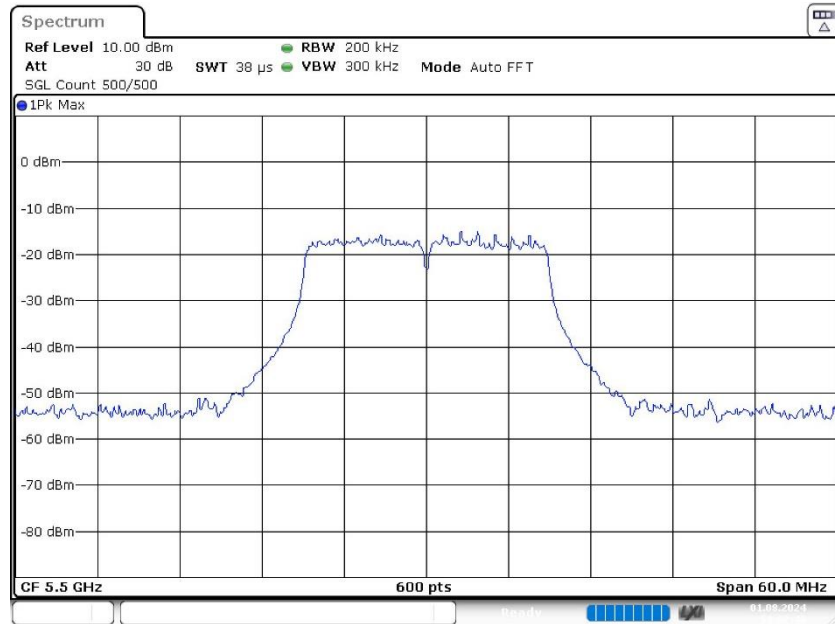
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5500.000000         | 22.100000       | ---             | ---             | 5488.950000          | 5511.050000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5500.000000         | 2.2             | 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 $\mu$ s   | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 30.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| Sweeptype       | FFT              | AUTO           |
| Preamp          | off              | off            |

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

## Result

| DUT Frequency (MHz) | Gated RMS (dBm) | Limit Max (dBm) | Gated EIRP (dBm) | DutyCycle (%) | Result |
|---------------------|-----------------|-----------------|------------------|---------------|--------|
| 5500.000000         | 16.6            | 24.0            | 16.6             | 88.578        | PASS   |

## OSP PowerMeter settings

| Setting          | Instrument Value | Target Value  |
|------------------|------------------|---------------|
| Measurement Time | 1.000 s          | 1.000 s       |
| Points           | 1000000          | 1000000       |
| Time resolution  | 1.000 $\mu$ s    | 1.000 $\mu$ s |

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

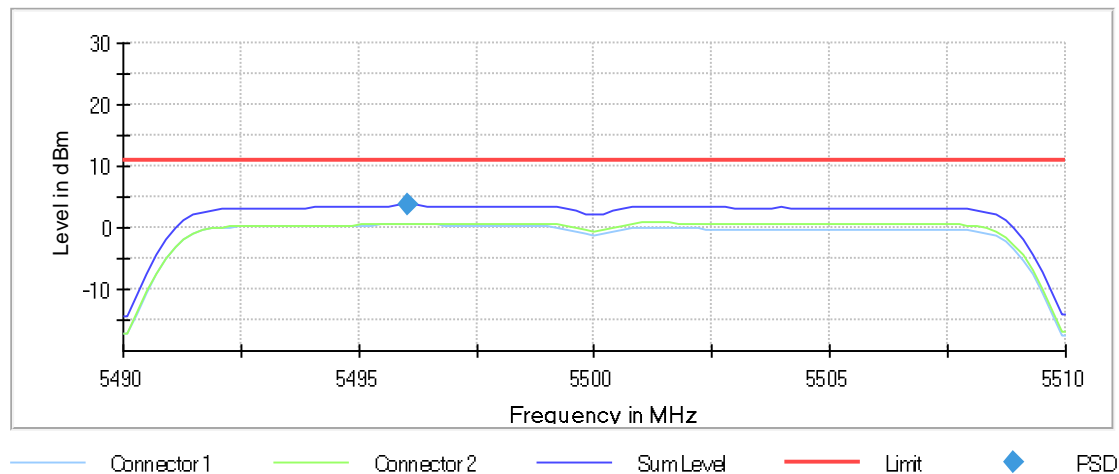
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5500.000000         | 5496.039604     | 3.602     | 11.0            | PASS   |

### Ports

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

Power Spectral Density



### Measurement

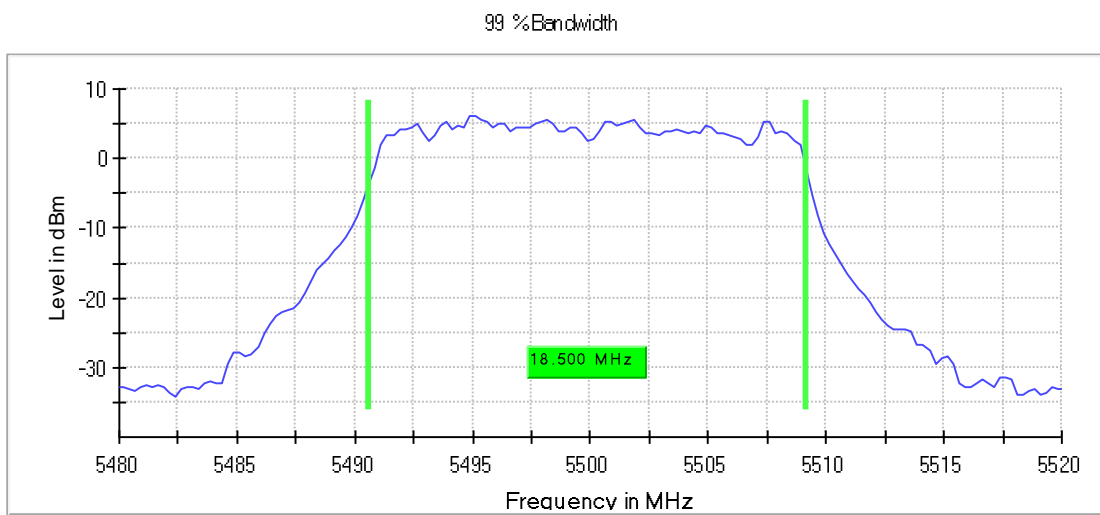
| Setting         | Instrument Value | Target Value  |
|-----------------|------------------|---------------|
| Start Frequency | 5.49000 GHz      | 5.49000 GHz   |
| Stop Frequency  | 5.51000 GHz      | 5.51000 GHz   |
| Span            | 20.000 MHz       | 20.000 MHz    |
| RBW             | 1.000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

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

**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5500.000000         | 18.500000       | ---             | ---             | 5490.625000          | 5509.125000           |

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



Bandwidth



Date: 1.AUG.2024 03:03:43

### Measurement

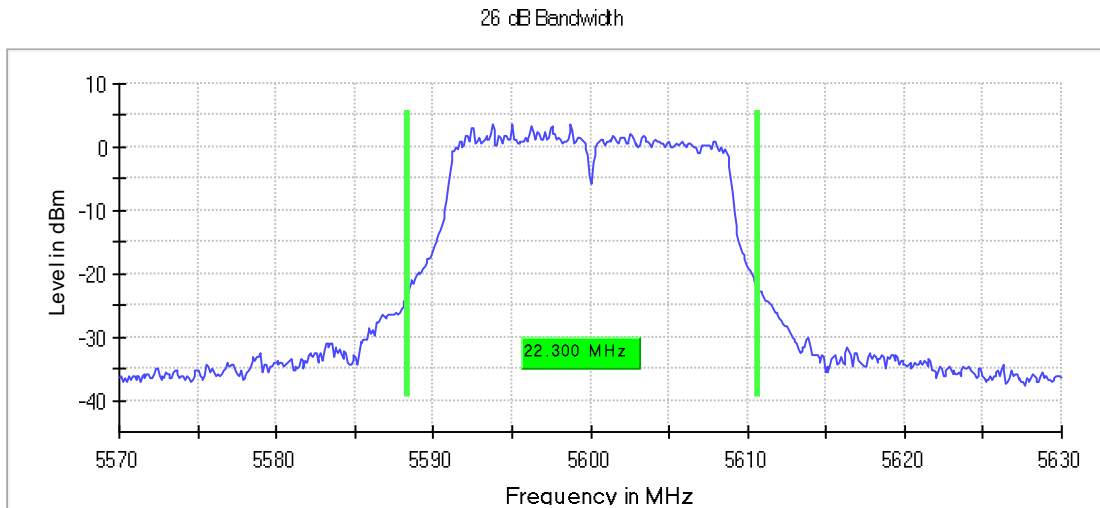
| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 5.48000 GHz      | 5.48000 GHz    |
| Stop Frequency  | 5.52000 GHz      | 5.52000 GHz    |
| Span            | 40.000 MHz       | 40.000 MHz     |
| RBW             | 500.000 kHz      | >= 500.000 kHz |
| VBW             | 2.000 MHz        | >= 1.500 MHz   |
| SweepPoints     | 160              | ~ 160          |
| Sweeptime       | 11.344 μs        | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 30.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| Sweeptype       | FFT              | AUTO           |
| Preamp          | off              | off            |

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

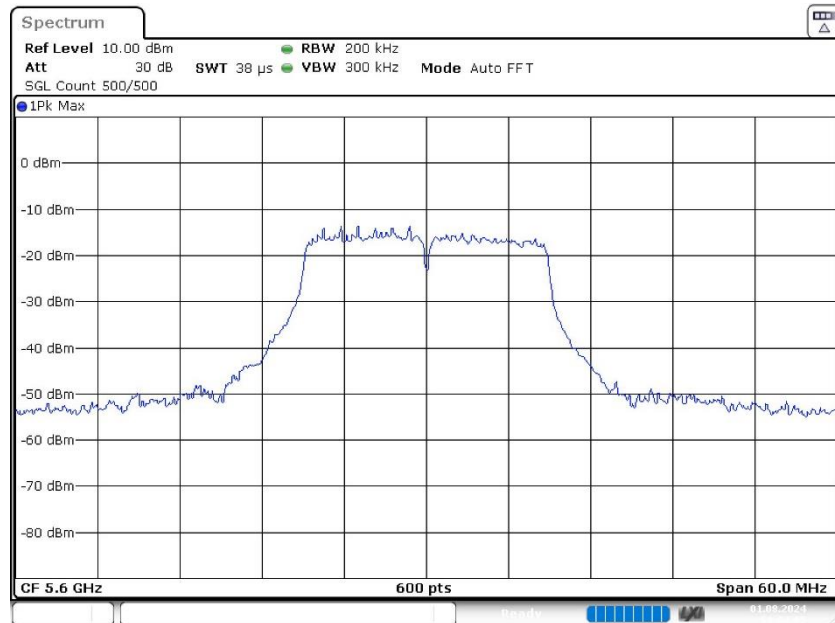
#### 26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5600.000000         | 22.300000       | ---             | ---             | 5588.350000          | 5610.650000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5600.000000         | 3.6             | PASS   |



**Bandwidth**



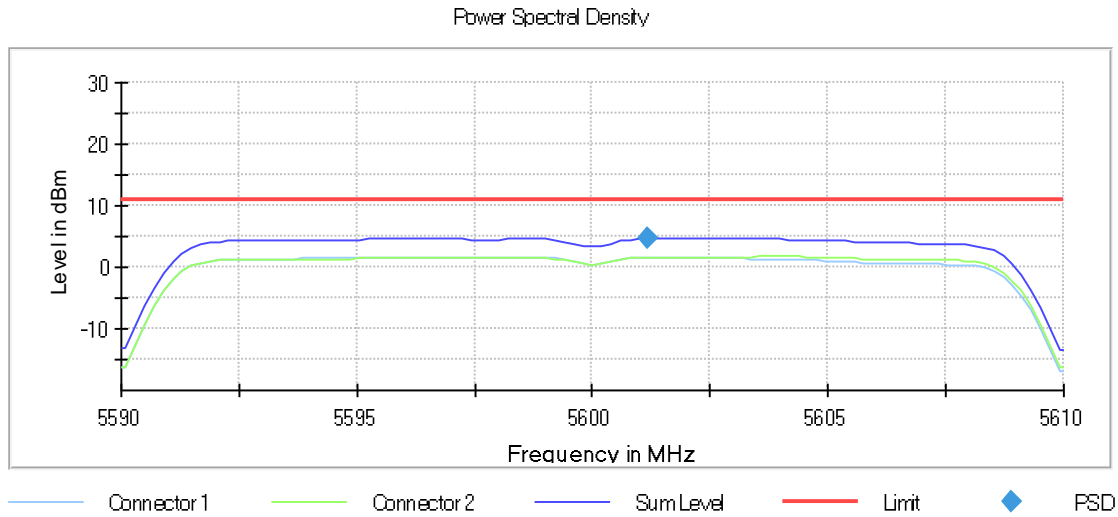
**Power Spectral Density (5600 MHz; 24.000 dBm; 20 MHz)**

**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5600.000000         | 5601.188119     | 4.710     | 11.0            | PASS   |

**Ports**

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

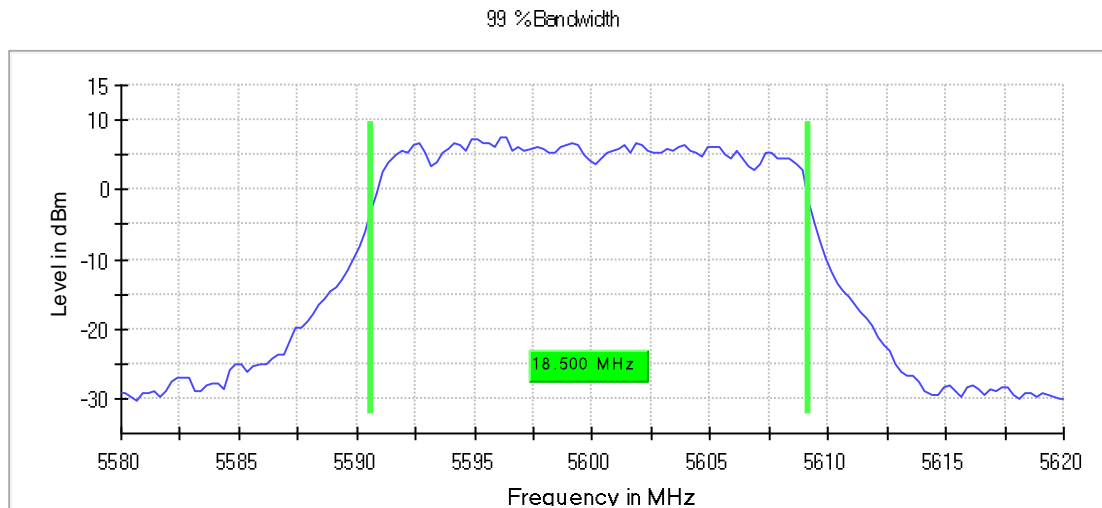


**Occupied Channel Bandwidth 99% (5600 MHz; 24.000 dBm; 20 MHz)**

**99 % Bandwidth**

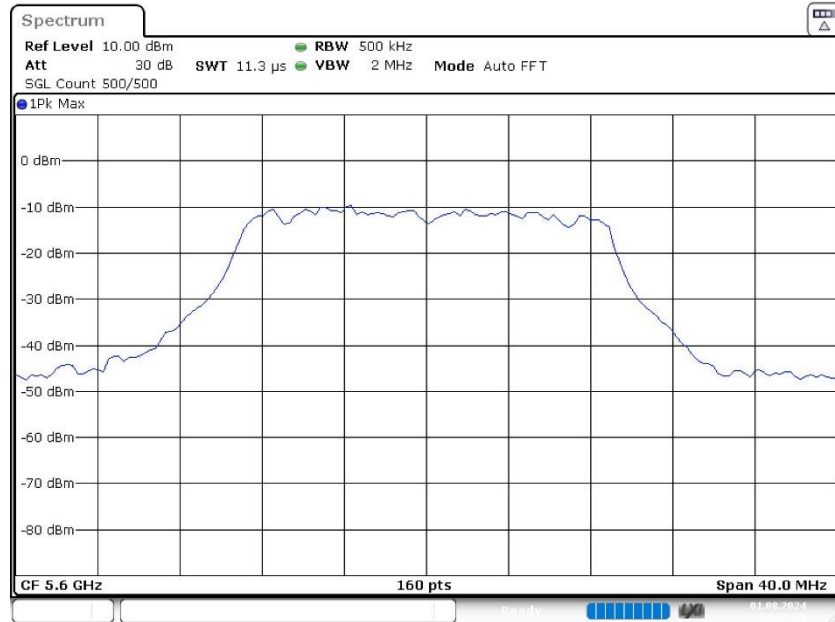
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5600.000000         | 18.500000       | ---             | ---             | 5590.625000          | 5609.125000           |

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





## Bandwidth



Date: 1.AUG.2024 03:05:01

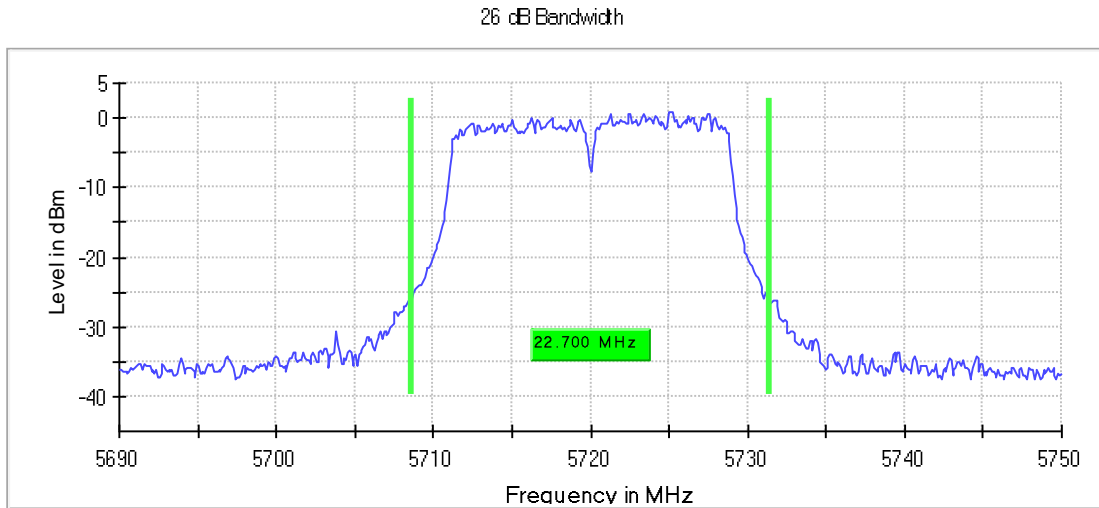
## Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 5.58000 GHz      | 5.58000 GHz    |
| Stop Frequency  | 5.62000 GHz      | 5.62000 GHz    |
| Span            | 40.000 MHz       | 40.000 MHz     |
| RBW             | 500.000 kHz      | >= 500.000 kHz |
| VBW             | 2.000 MHz        | >= 1.500 MHz   |
| SweepPoints     | 160              | ~ 160          |
| SweepTime       | 11.344 $\mu$ s   | AUTO           |
| Reference Level | 10.000 dBm       | 10.000 dBm     |
| Attenuation     | 30.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 500              | 500            |
| Filter          | 3 dB             | 3 dB           |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | FFT              | AUTO           |
| Preamp          | off              | off            |

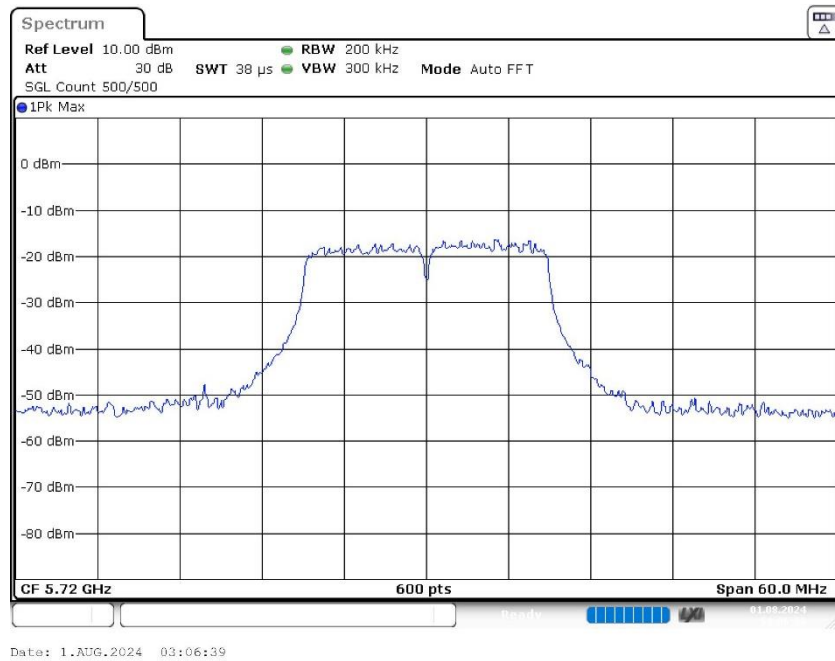
**Emission Bandwidth 26 dB (5720 MHz; 24.000 dBm; 20 MHz)**
**26 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5720.000000         | 22.700000       | 16.350000                | 6.350000                | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5720.000000         | 5708.650000          | 5731.350000           | 0.9             | PASS   |



Bandwidth



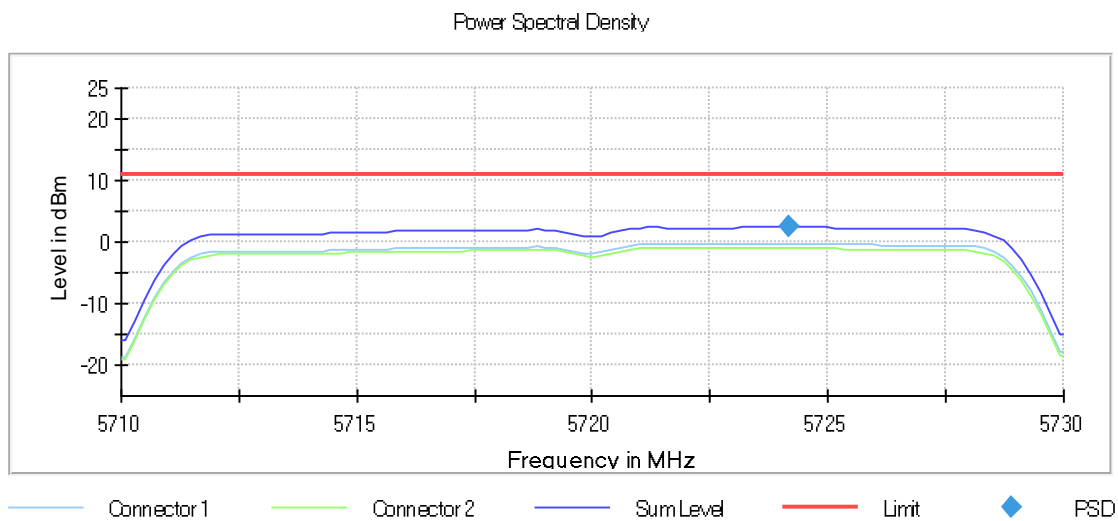
## Power Spectral Density (5720 MHz; 24.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5720.000000         | 5724.158416     | 2.396     | 11.0            | PASS   |

### Ports

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

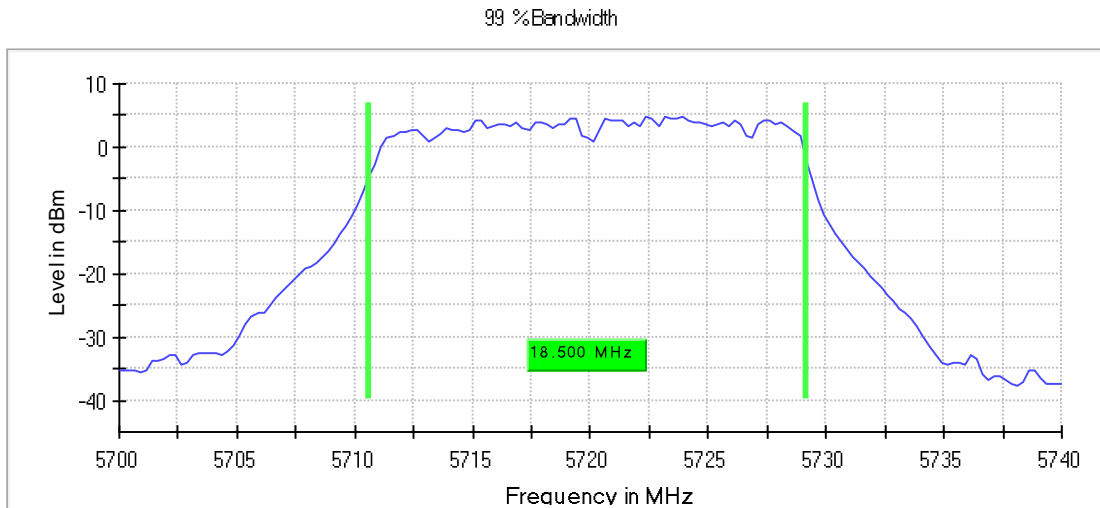


## Occupied Channel Bandwidth 99% (5720 MHz; 24.000 dBm; 20 MHz)

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5720.000000         | 18.500000       | 14.375000                | 4.125000                | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5720.000000         | 5710.625000          | 5729.125000           | PASS   |



**Bandwidth**



Date: 1.AUG.2024 03:07:33

**Measurement**

| Setting         | Instrument Value | Target Value       |
|-----------------|------------------|--------------------|
| Start Frequency | 5.70000 GHz      | 5.70000 GHz        |
| Stop Frequency  | 5.74000 GHz      | 5.74000 GHz        |
| Span            | 40.000 MHz       | 40.000 MHz         |
| RBW             | 500.000 kHz      | $\geq$ 500.000 kHz |
| VBW             | 2.000 MHz        | $\geq$ 1.500 MHz   |
| SweepPoints     | 160              | $\sim$ 160         |
| Sweptime        | 11.344 $\mu$ s   | AUTO               |
| Reference Level | 0.000 dBm        | 0.000 dBm          |

|             |           |          |
|-------------|-----------|----------|
| Attenuation | 20.000 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      |

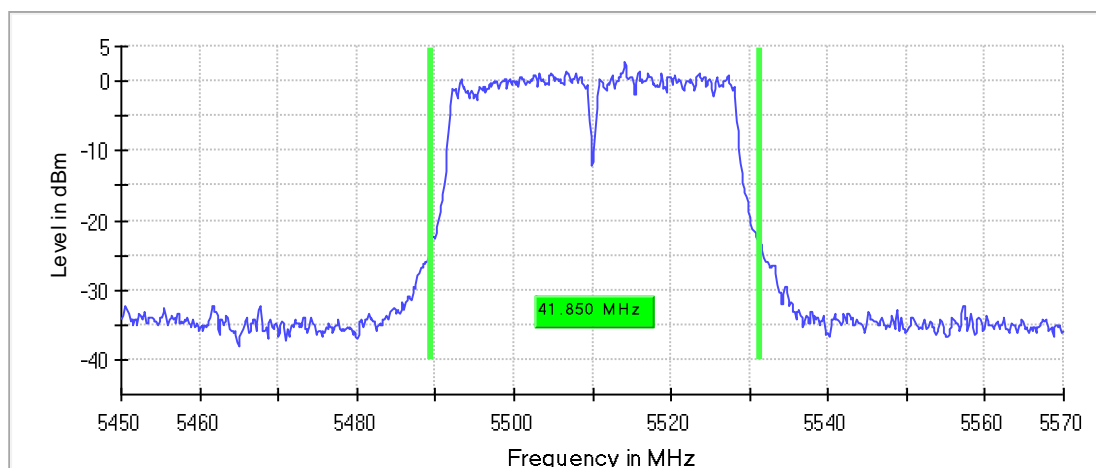
## Emission Bandwidth 26 dB (5510 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

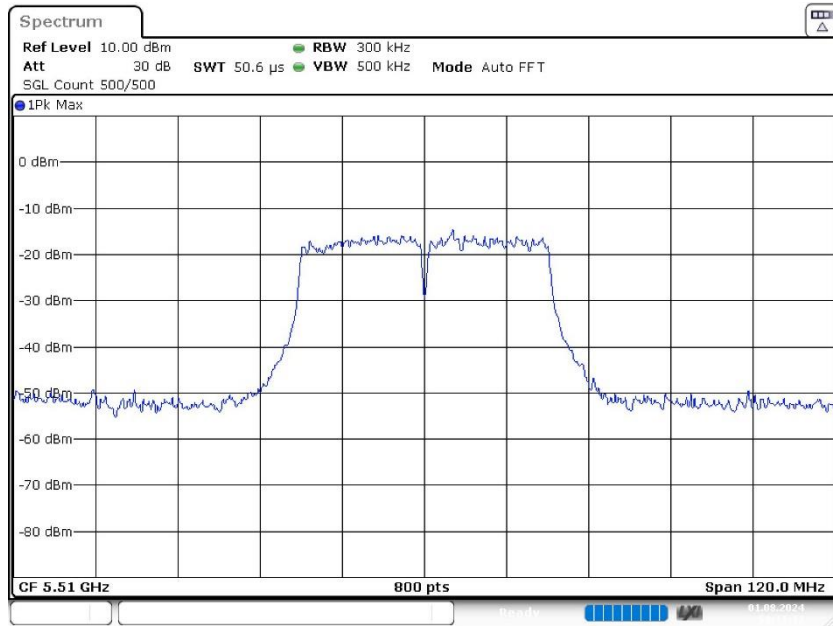
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5510.000000         | 41.850000       | ---             | ---             | 5489.375000          | 5531.225000           |

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

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 03:11:13

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

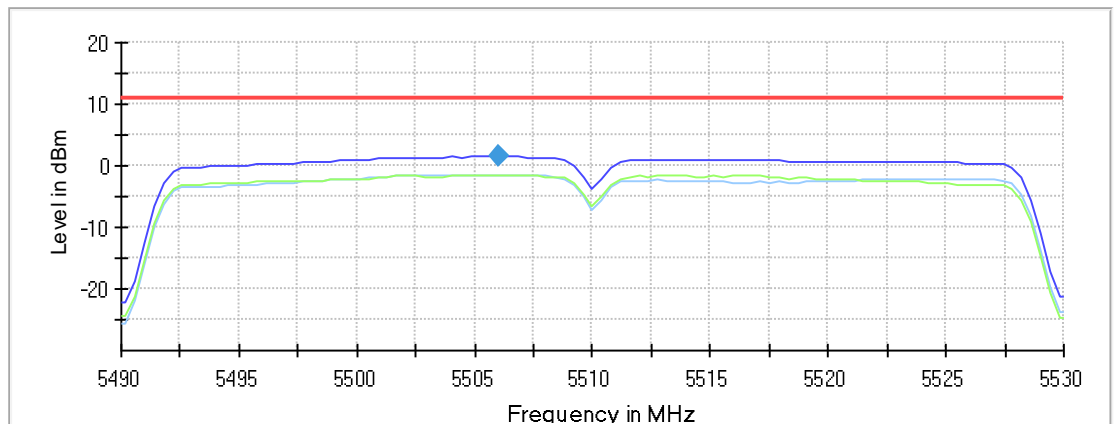
#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5510.000000         | 5506.039604     | 1.588     | 11.0            | PASS   |

#### Ports

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

Power Spectral Density



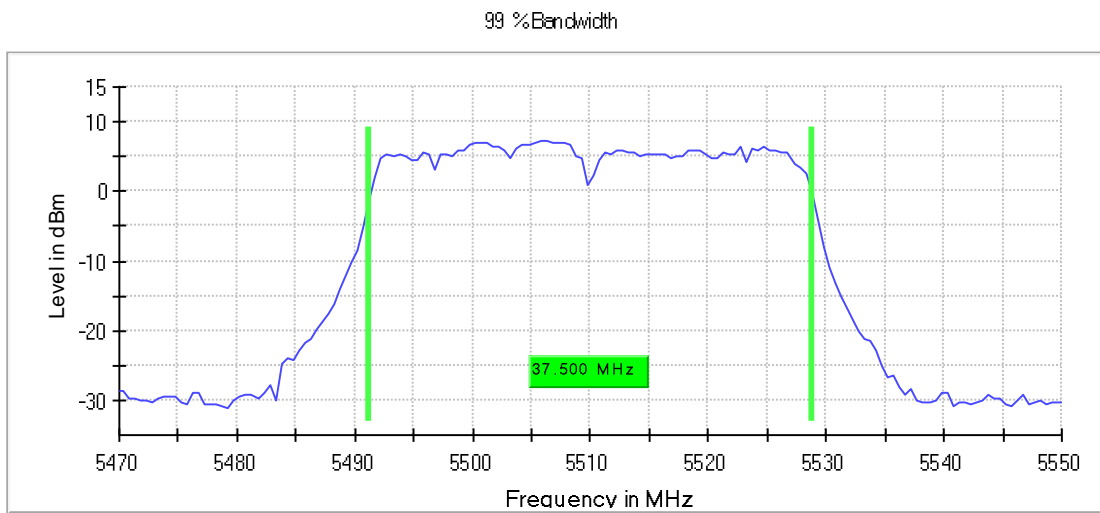
Connector 1 Connector 2 SumLevel Limit PSD

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

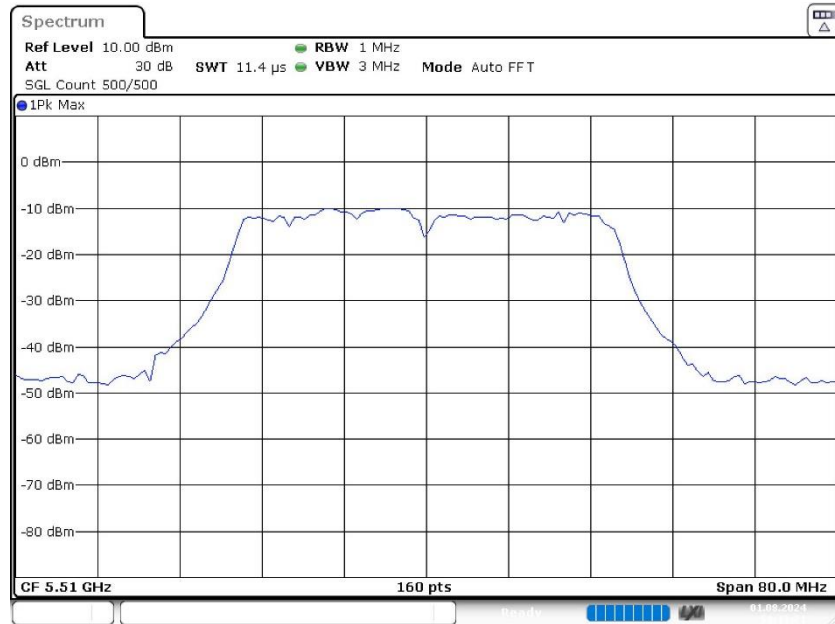
**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5510.000000         | 37.500000       | ---             | ---             | 5491.250000          | 5528.750000           |

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



Bandwidth



Date: 1.AUG.2024 03:13:21

## Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.47000 GHz      | 5.47000 GHz  |
| Stop Frequency  | 5.55000 GHz      | 5.55000 GHz  |
| Span            | 80.000 MHz       | 80.000 MHz   |
| RBW             | 1.000 MHz        | >= 1.000 MHz |
| VBW             | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweptime        | 11.438 $\mu$ s   | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |
| Attenuation     | 30.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 500              | 500          |
| Filter          | 3 dB             | 3 dB         |
| Trace Mode      | Max Hold         | Max Hold     |
| Sweeptype       | FFT              | AUTO         |
| Preamp          | off              | off          |

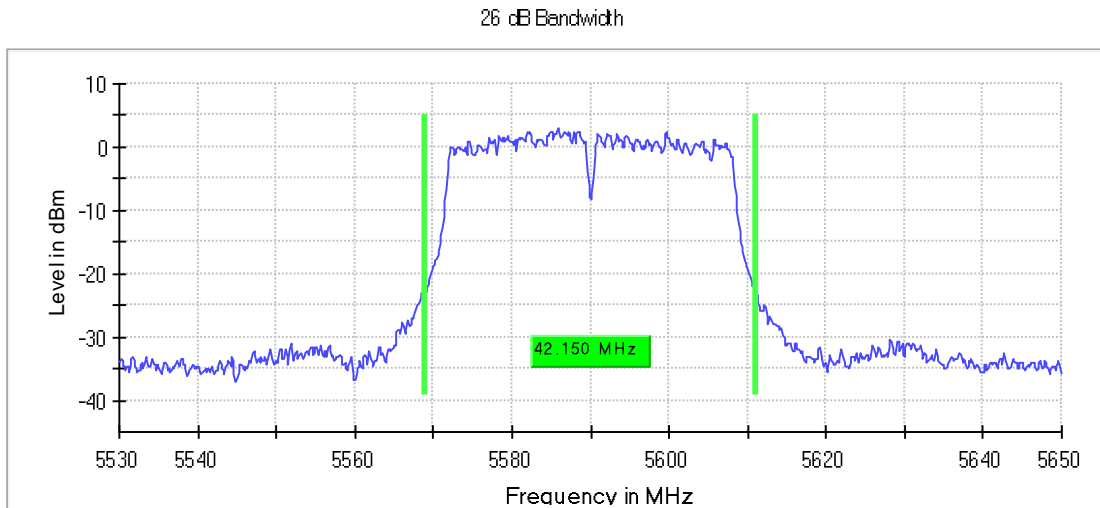
## Emission Bandwidth 26 dB (5590 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

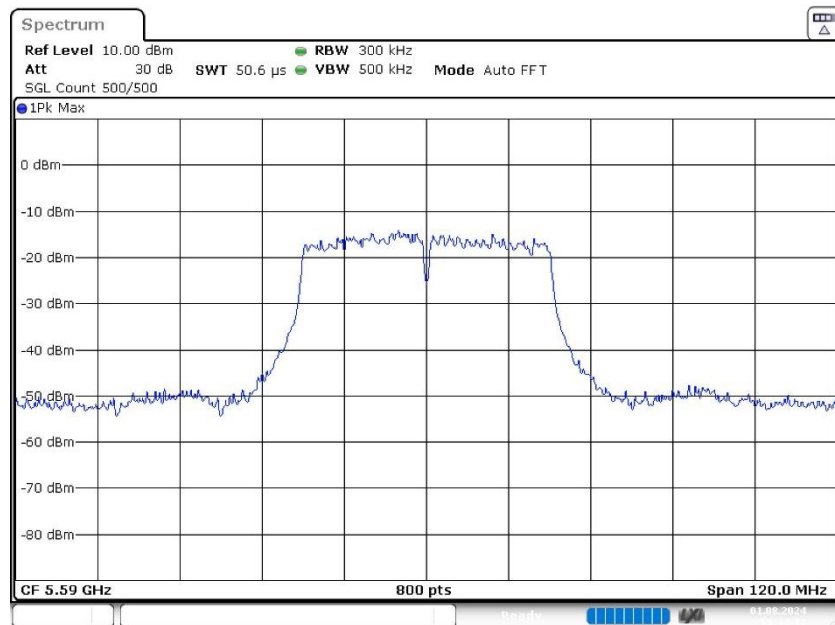
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5590.000000         | 42.150000       | ---             | ---             | 5568.925000          | 5611.075000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5590.000000         | 3.1             | PASS   |





Bandwidth



Date: 1.AUG.2024 03:14:12

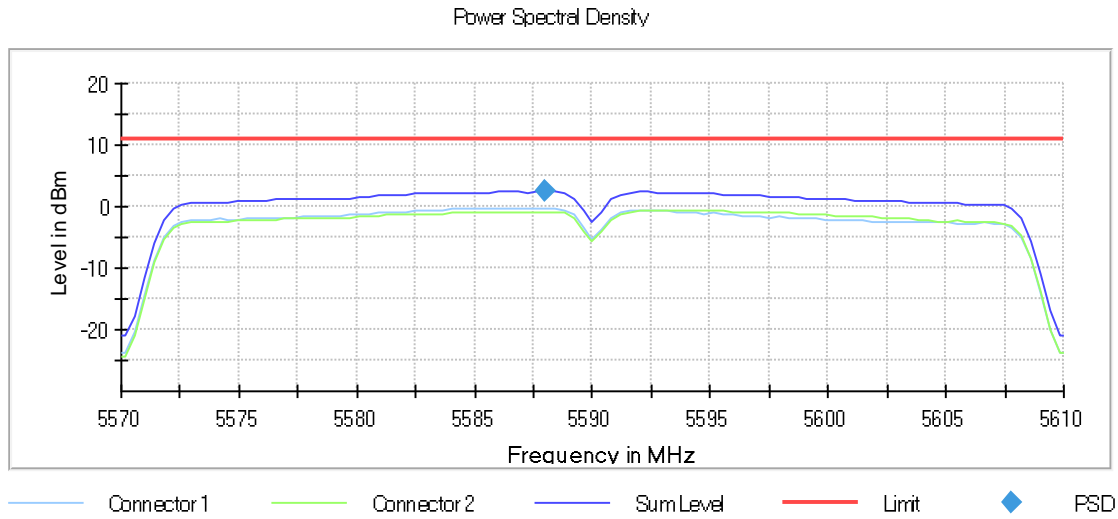
**Power Spectral Density (5590 MHz; 24.000 dBm; 40 MHz)**

**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5590.000000         | 5588.019802     | 2.425     | 11.0            | PASS   |

**Ports**

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

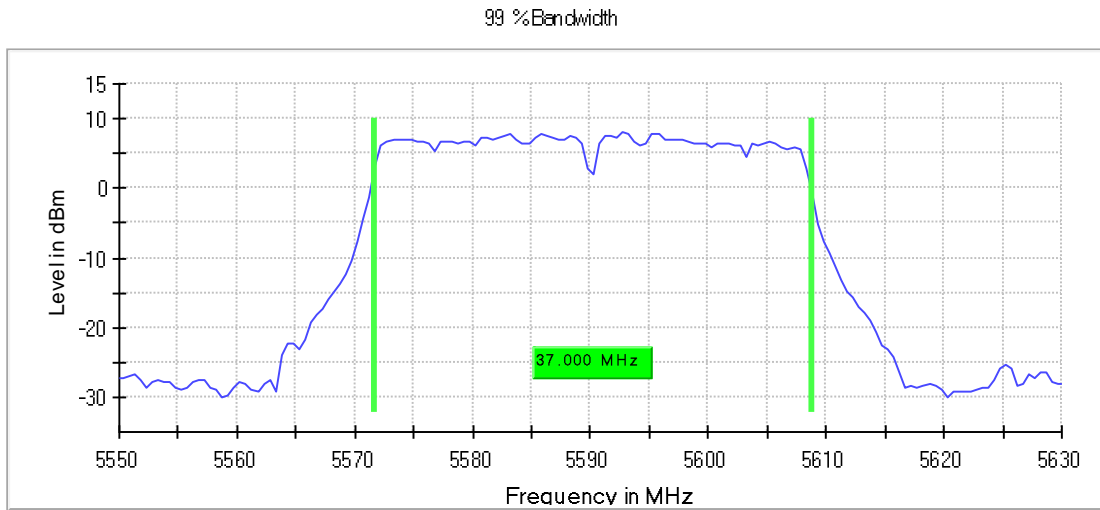


**Occupied Channel Bandwidth 99% (5590 MHz; 24.000 dBm; 40 MHz)**

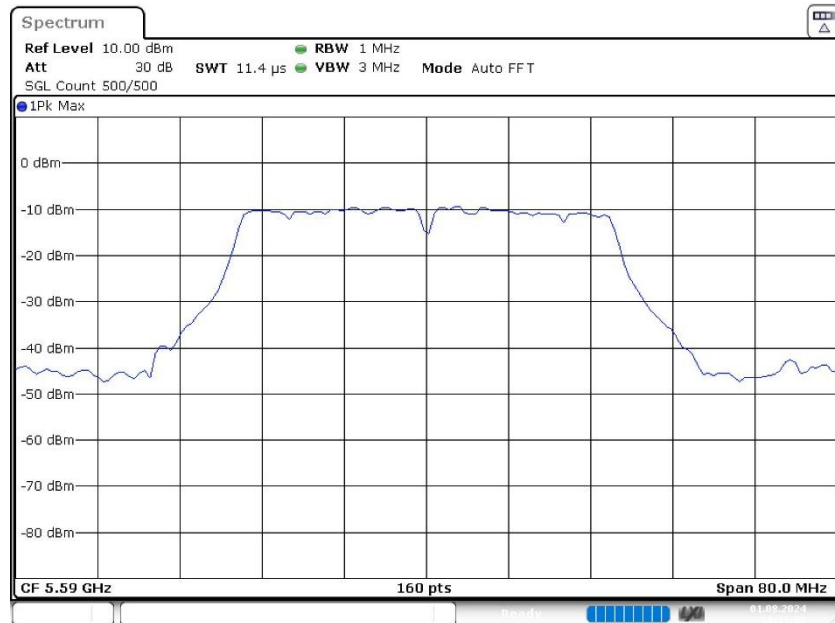
**99 % Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5590.000000         | 37.000000       | ---             | ---             | 5571.750000          | 5608.750000           |

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



**Bandwidth**



Date: 1.AUG.2024 03:15:09

**Measurement**

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.55000 GHz      | 5.55000 GHz  |
| Stop Frequency  | 5.63000 GHz      | 5.63000 GHz  |
| Span            | 80.000 MHz       | 80.000 MHz   |
| RBW             | 1.000 MHz        | >= 1.000 MHz |
| VBW             | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 11.438 $\mu$ s   | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |

|             |           |          |
|-------------|-----------|----------|
| Attenuation | 30.000 dB | AUTO     |
| Detector    | MaxPeak   | MaxPeak  |
| SweepCount  | 500       | 500      |
| Filter      | 3 dB      | 3 dB     |
| Trace Mode  | Max Hold  | Max Hold |
| SweepType   | FFT       | AUTO     |
| Preamp      | off       | off      |

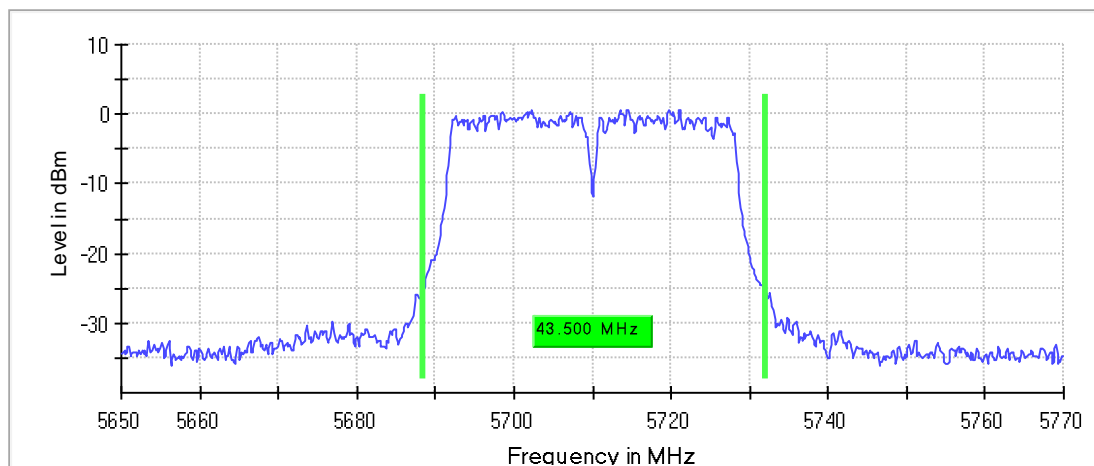
## Emission Bandwidth 26 dB (5710 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

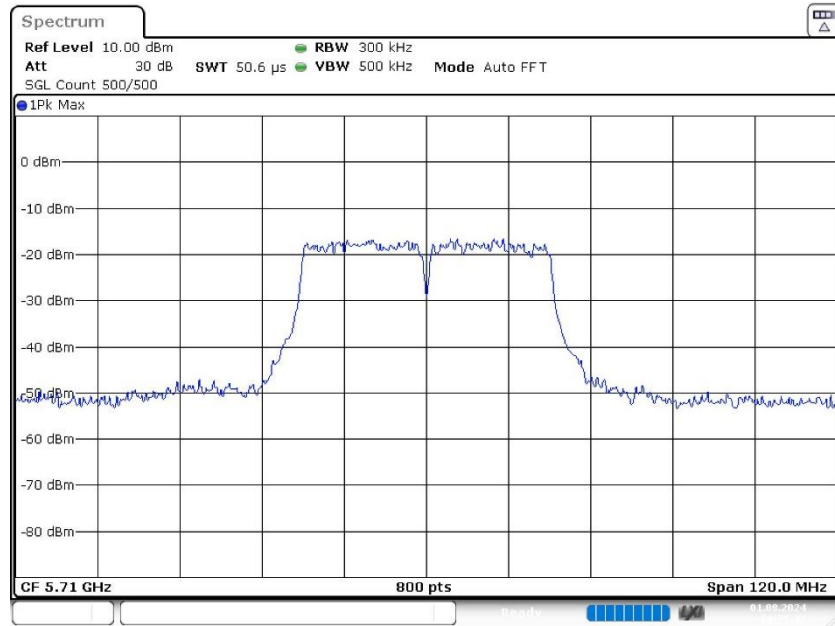
| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5710.000000         | 43.500000       | 36.525000                | 6.975000                | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5710.000000         | 5688.475000          | 5731.975000           | 0.7             | PASS   |

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 03:25:42

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

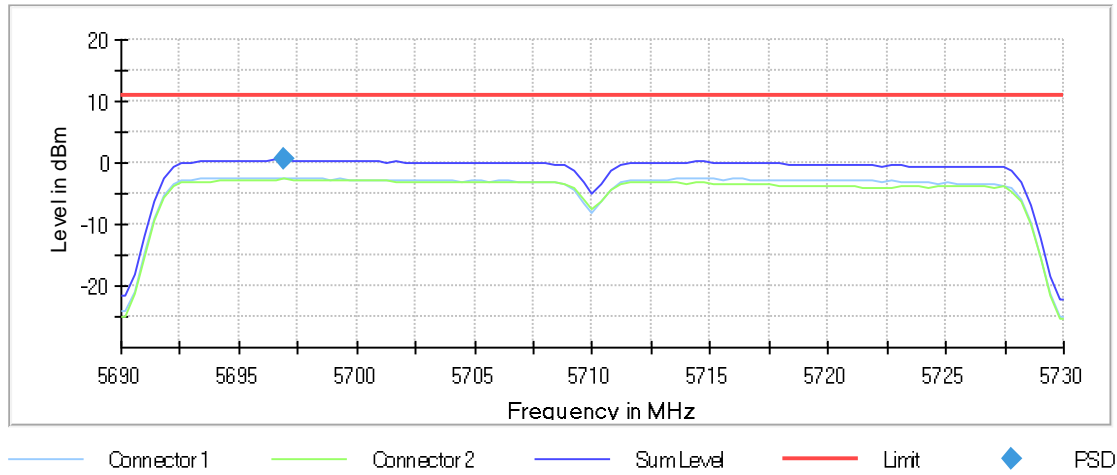
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5710.000000         | 5696.930693     | 0.497     | 11.0            | PASS   |

### Ports

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

Power Spectral Density



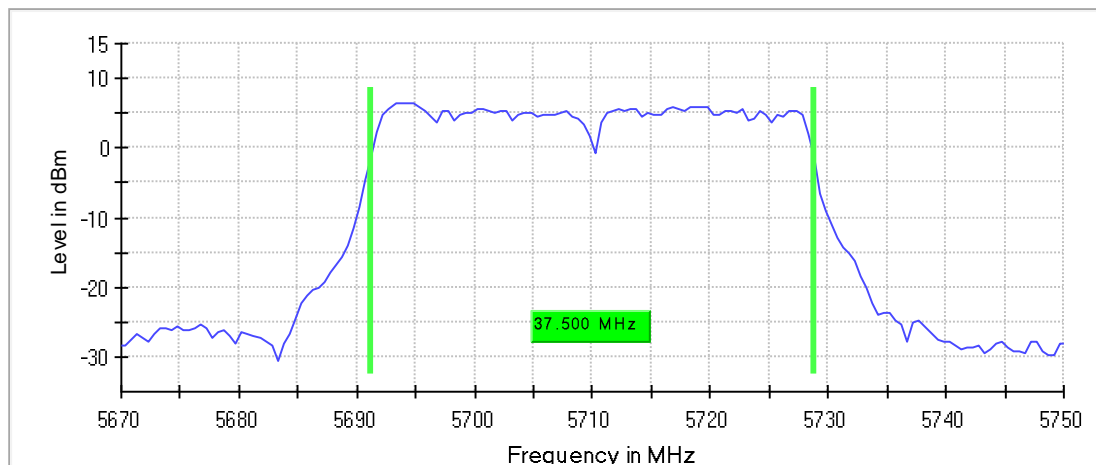
**Occupied Channel Bandwidth 99% (5710 MHz; 24.000 dBm; 40 MHz)**

**99 % Bandwidth**

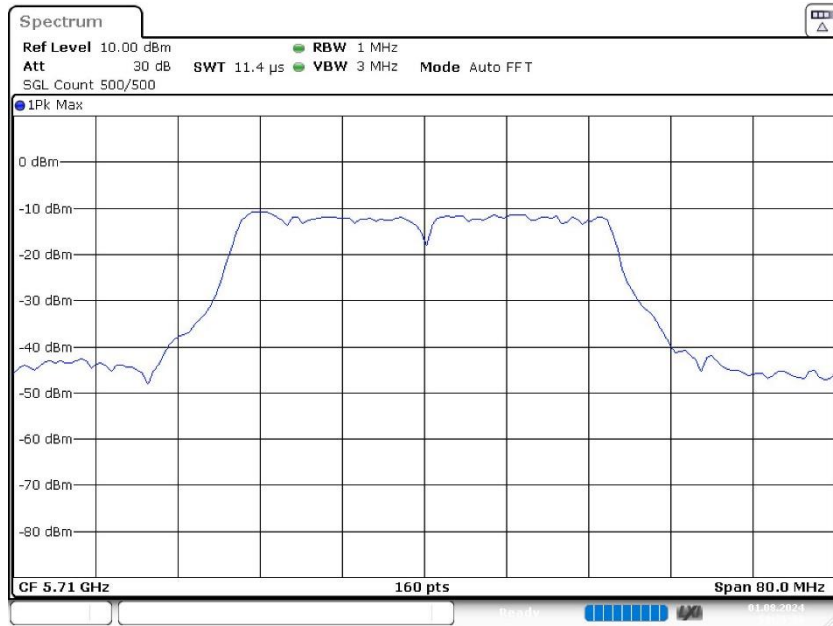
| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5710.000000         | 37.500000       | 33.750000                | 3.750000                | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5710.000000         | 5691.250000          | 5728.750000           | PASS   |

99 %Bandwidth



Bandwidth



Date: 1.AUG.2024 03:26:38

### Measurement

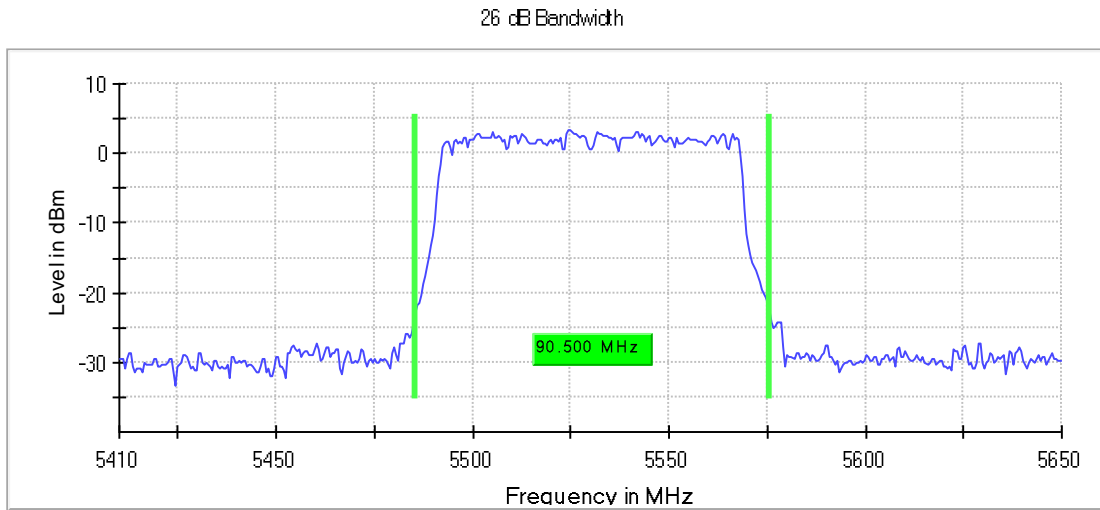
| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.67000 GHz      | 5.67000 GHz  |
| Stop Frequency  | 5.75000 GHz      | 5.75000 GHz  |
| Span            | 80.000 MHz       | 80.000 MHz   |
| RBW             | 1.000 MHz        | >= 1.000 MHz |
| VBW             | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 11.438 μs        | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |
| Attenuation     | 30.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 500              | 500          |
| Filter          | 3 dB             | 3 dB         |
| Trace Mode      | Max Hold         | Max Hold     |
| Sweeptype       | FFT              | AUTO         |
| Preamp          | off              | off          |

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

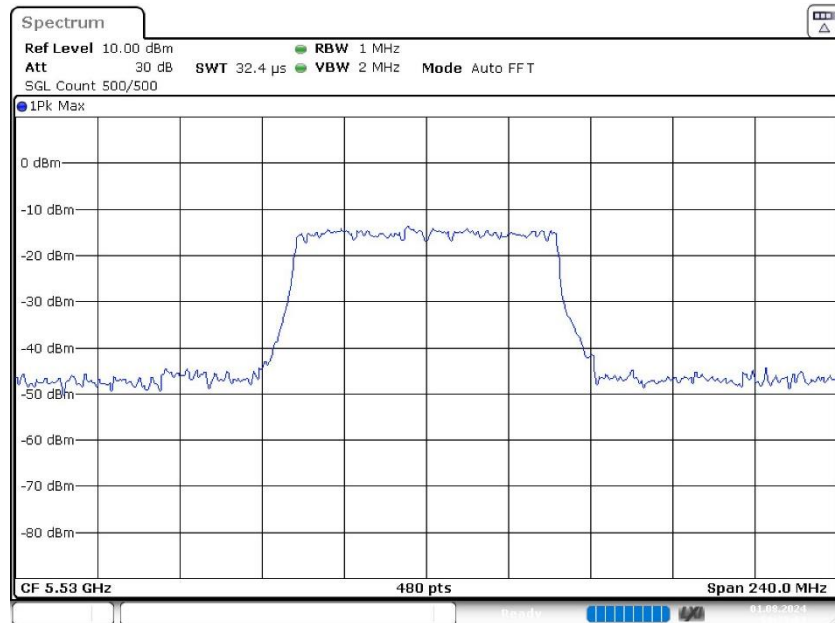
#### 26 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5530.000000         | 90.500000       | ---             | ---             | 5485.250000          | 5575.750000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5530.000000         | 3.5             | PASS   |



Bandwidth



Date: 1.AUG.2024 03:29:03

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

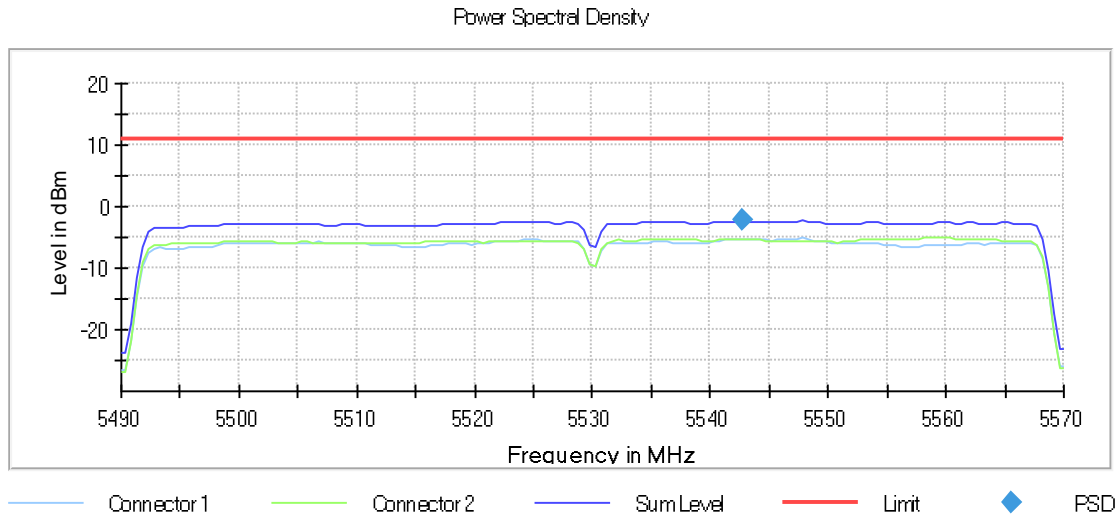
**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5530.000000         | 5542.750000     | -2.329    | 11.0            | PASS   |



### Ports

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



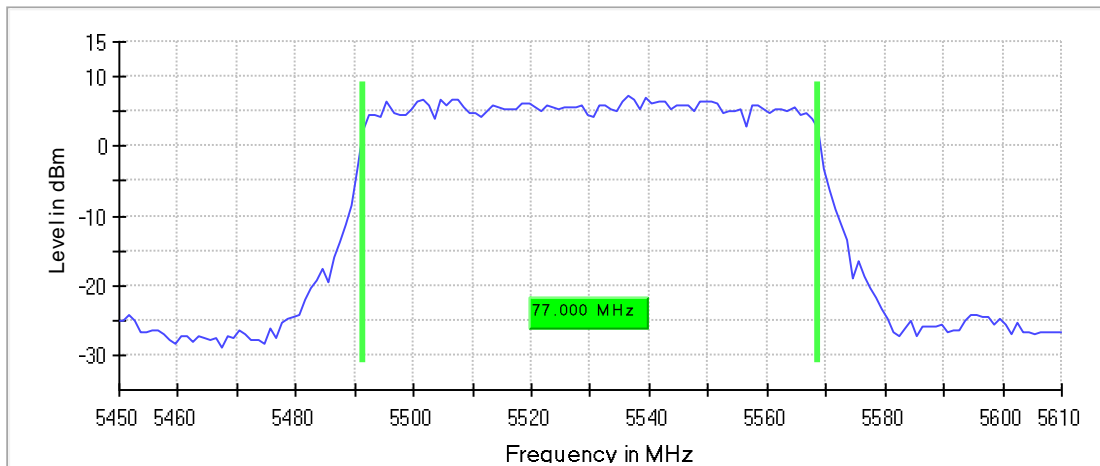
**Occupied Channel Bandwidth 99% (5530 MHz; 24.000 dBm; 80 MHz)**

### 99 % Bandwidth

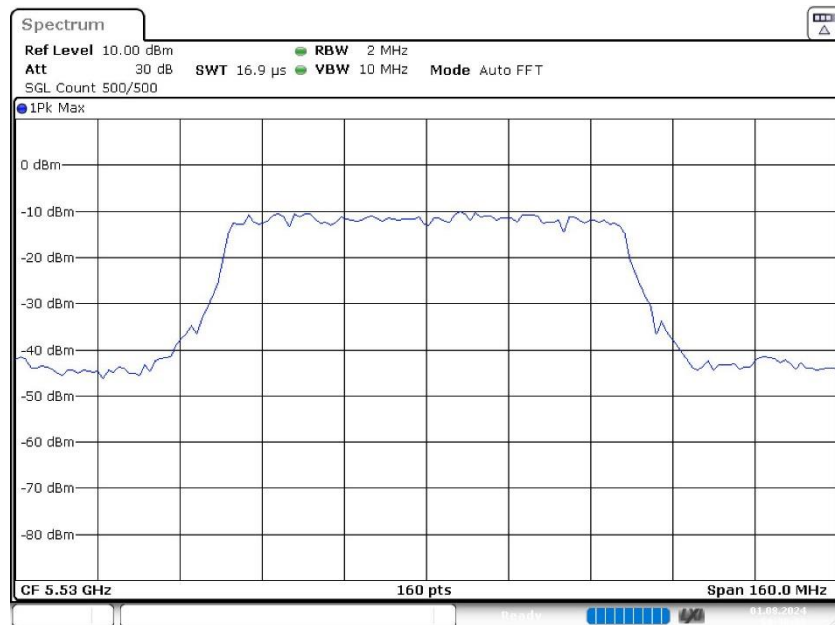
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5530.000000         | 77.000000       | ---             | ---             | 5491.500000          | 5568.500000           |

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

99 %Bandwidth



Bandwidth



Date: 1.AUG.2024 03:30:09

## Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.45000 GHz      | 5.45000 GHz  |
| Stop Frequency  | 5.61000 GHz      | 5.61000 GHz  |
| Span            | 160.000 MHz      | 160.000 MHz  |
| RBW             | 2.000 MHz        | >= 2.000 MHz |
| VBW             | 10.000 MHz       | >= 6.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 16.875 μs        | AUTO         |
| Reference Level | 10.000 dBm       | 10.000 dBm   |

|             |           |          |
|-------------|-----------|----------|
| Attenuation | 30.000 dB | AUTO     |
| Detector    | MaxPeak   | MaxPeak  |
| SweepCount  | 500       | 500      |
| Filter      | 3 dB      | 3 dB     |
| Trace Mode  | Max Hold  | Max Hold |
| SweepType   | FFT       | AUTO     |
| Preamp      | off       | off      |

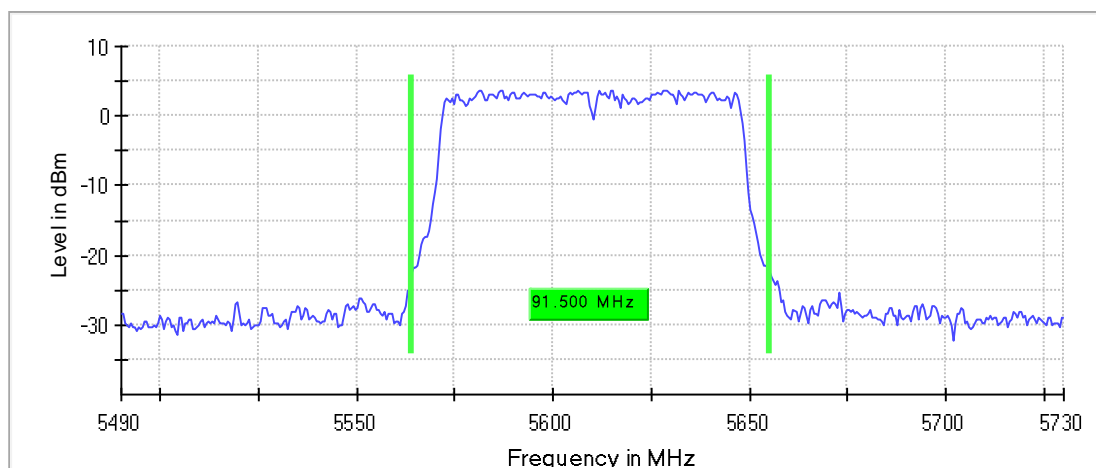
## Emission Bandwidth 26 dB (5610 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

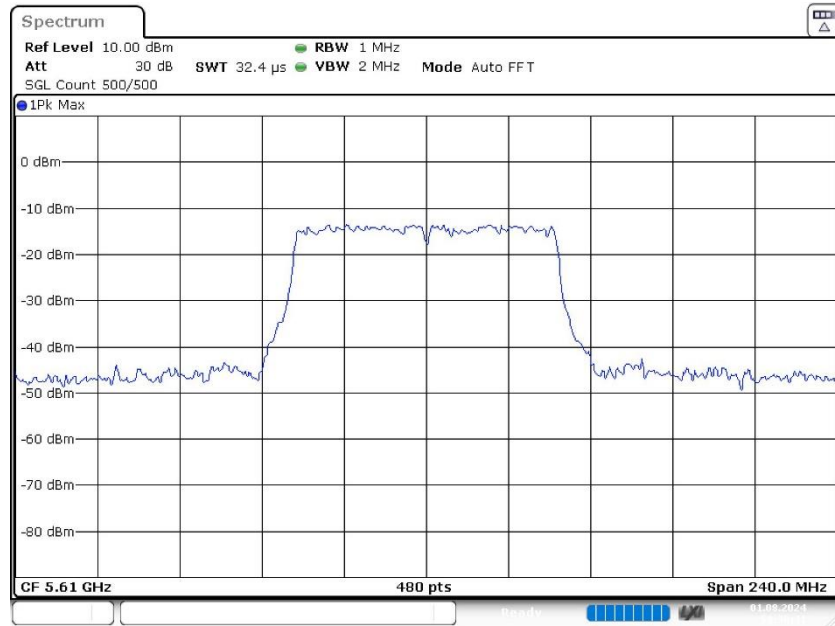
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5610.000000         | 91.500000       | ---             | ---             | 5563.750000          | 5655.250000           |

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 5610.000000         | 3.7             | PASS   |

26 dB Bandwidth



Bandwidth



Date: 1.AUG.2024 03:30:41

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

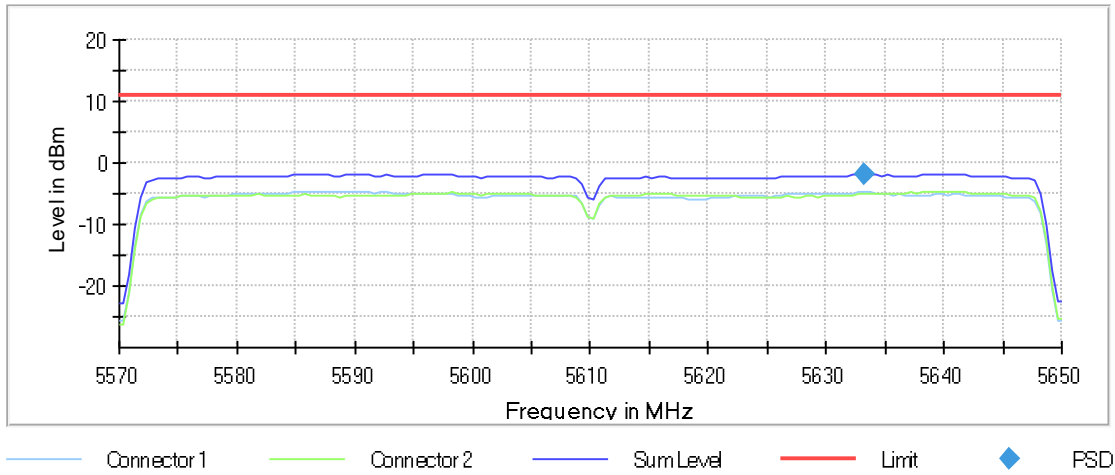
### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5610.000000         | 5633.250000     | -1.857    | 11.0            | PASS   |

### Ports

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

Power Spectral Density



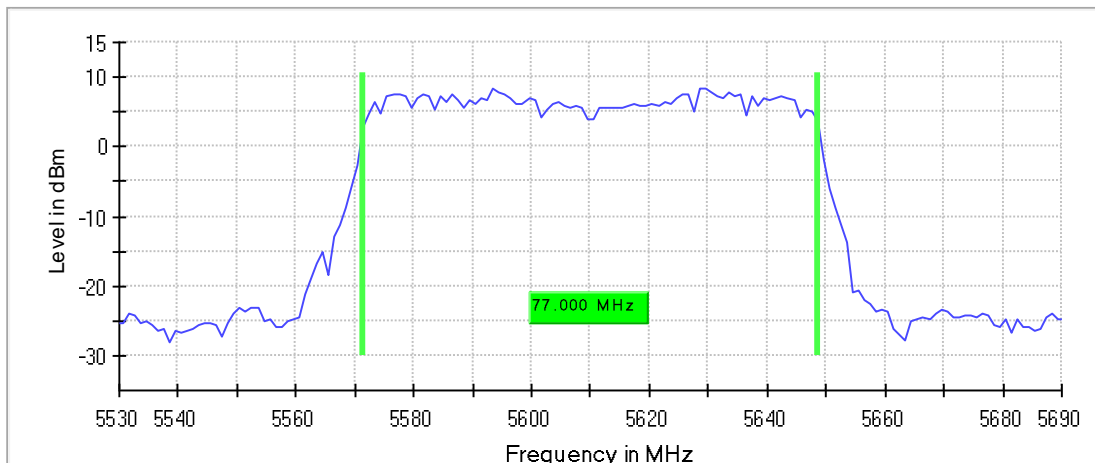
**Occupied Channel Bandwidth 99% (5610 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

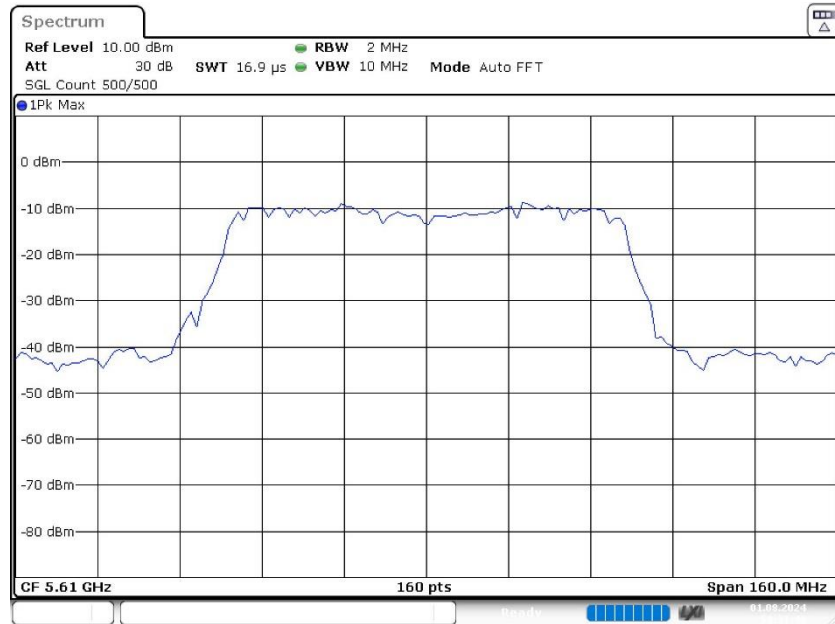
| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 5610.000000         | 77.000000       | ---             | ---             | 5571.500000          | 5648.500000           |

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

99 % Bandwidth



Bandwidth



Date: 1.AUG.2024 03:31:46

### Measurement

| Setting         | Instrument Value | Target Value     |
|-----------------|------------------|------------------|
| Start Frequency | 5.53000 GHz      | 5.53000 GHz      |
| Stop Frequency  | 5.69000 GHz      | 5.69000 GHz      |
| Span            | 160.000 MHz      | 160.000 MHz      |
| RBW             | 2.000 MHz        | $\geq$ 2.000 MHz |
| VBW             | 10.000 MHz       | $\geq$ 6.000 MHz |
| SweepPoints     | 160              | $\sim$ 160       |
| Sweeptime       | 16.875 $\mu$ s   | AUTO             |
| Reference Level | 10.000 dBm       | 10.000 dBm       |
| Attenuation     | 30.000 dB        | AUTO             |
| Detector        | MaxPeak          | MaxPeak          |
| SweepCount      | 500              | 500              |
| Filter          | 3 dB             | 3 dB             |
| Trace Mode      | Max Hold         | Max Hold         |
| Sweeptype       | FFT              | AUTO             |
| Preamp          | off              | off              |

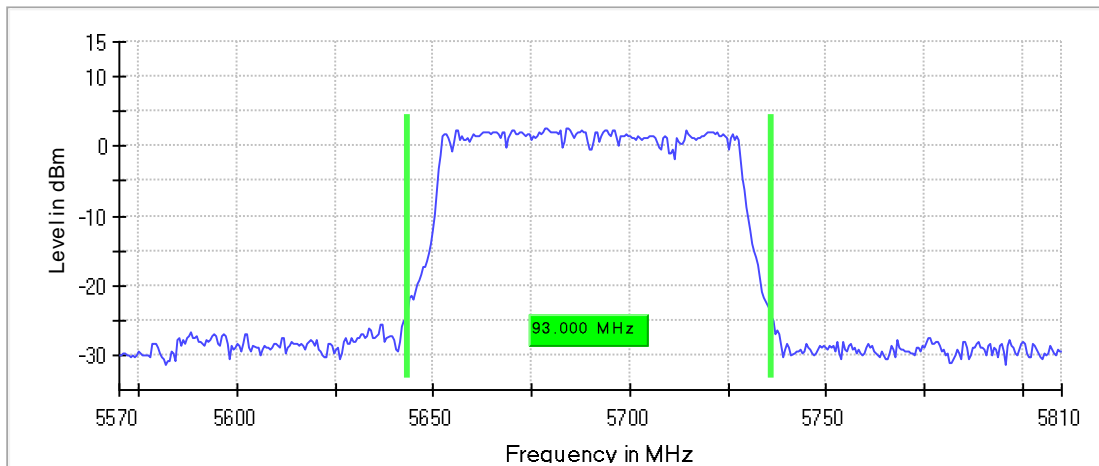
### Emission Bandwidth 26 dB (5690 MHz; 24.000 dBm; 80 MHz)

#### 26 dB Bandwidth

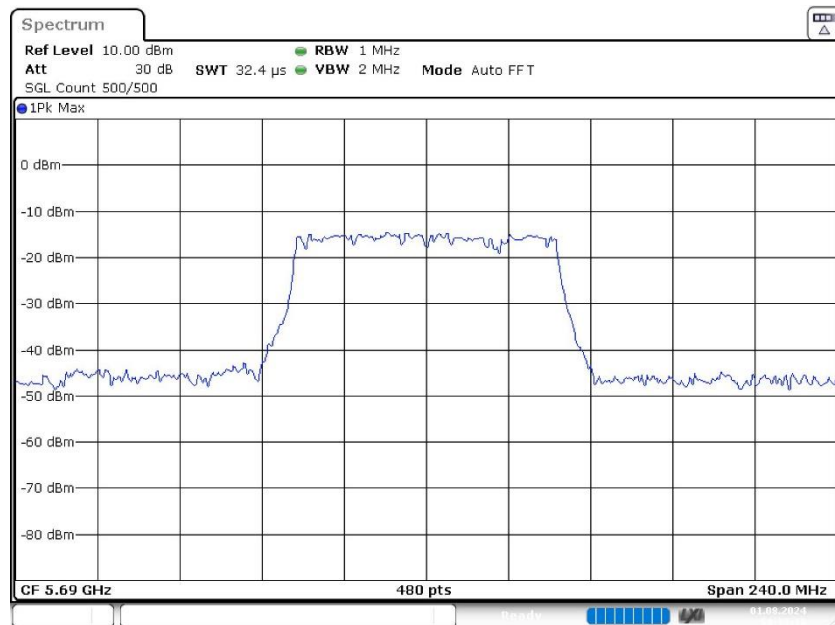
| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5690.000000         | 93.000000       | 81.750000                | 11.250000               | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) | Result |
|---------------------|----------------------|-----------------------|-----------------|--------|
| 5690.000000         | 5643.250000          | 5736.250000           | 2.6             | PASS   |

26 dB Bandwidth



**Bandwidth**



Date: 1.AUG.2024 03:33:18

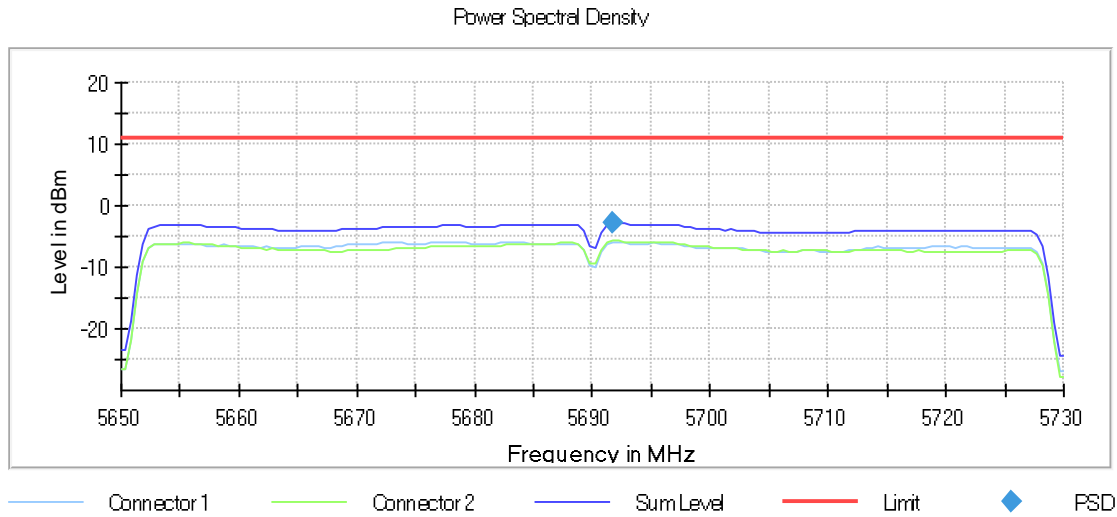
**Power Spectral Density (5690 MHz; 24.000 dBm; 80 MHz)**

**Result**

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 5690.000000         | 5691.750000     | -2.860    | 11.0            | PASS   |

**Ports**

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

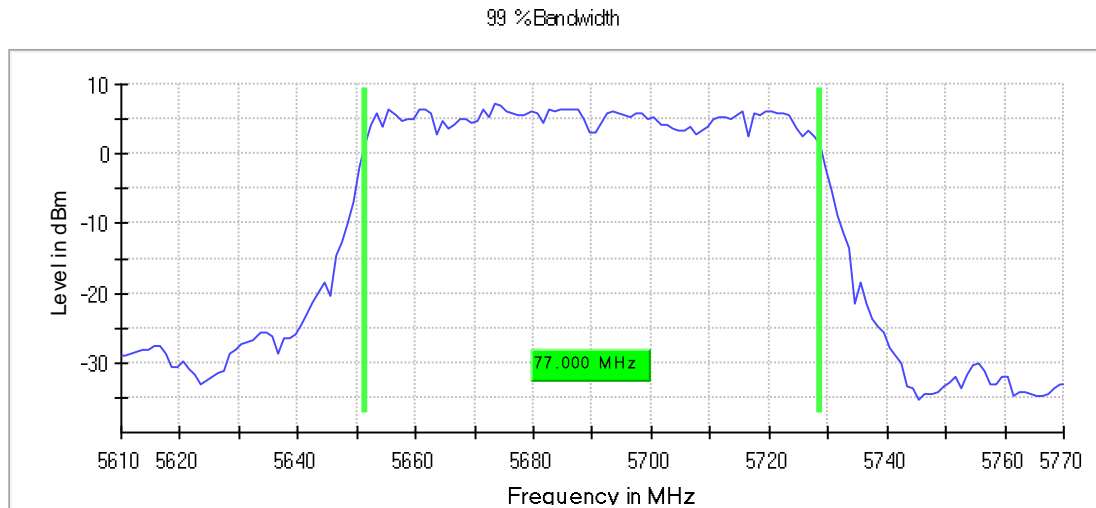


**Occupied Channel Bandwidth 99% (5690 MHz; 24.000 dBm; 80 MHz)**

**99 % Bandwidth**

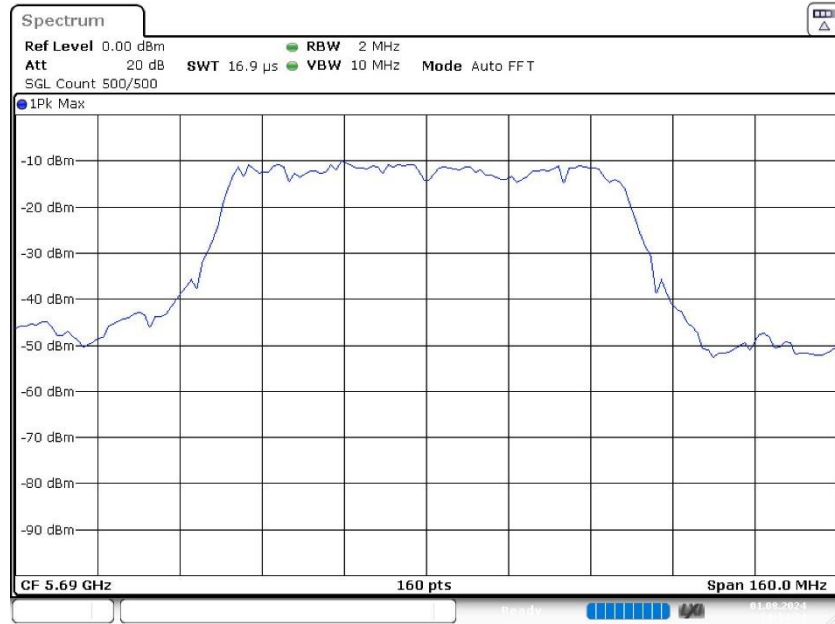
| DUT Frequency (MHz) | Bandwidth (MHz) | Bandwidth U-NII 2C (MHz) | Bandwidth U-NII 3 (MHz) | Limit Min (MHz) | Limit Max (MHz) |
|---------------------|-----------------|--------------------------|-------------------------|-----------------|-----------------|
| 5690.000000         | 77.000000       | 73.500000                | 3.500000                | ---             | ---             |

| DUT Frequency (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Result |
|---------------------|----------------------|-----------------------|--------|
| 5690.000000         | 5651.500000          | 5728.500000           | PASS   |





Bandwidth



Date: 1.AUG.2024 03:34:24

**Measurement**

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 5.61000 GHz      | 5.61000 GHz  |
| Stop Frequency  | 5.77000 GHz      | 5.77000 GHz  |
| Span            | 160.000 MHz      | 160.000 MHz  |
| RBW             | 2.000 MHz        | >= 2.000 MHz |
| VBW             | 10.000 MHz       | >= 6.000 MHz |
| SweepPoints     | 160              | ~ 160        |
| Sweeptime       | 16.875 μs        | AUTO         |
| Reference Level | 0.000 dBm        | 0.000 dBm    |
| Attenuation     | 20.000 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          |

-- End of Report --