

## Test at TX 5240 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 18.55    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5235.400 | MHz  | INFO    |

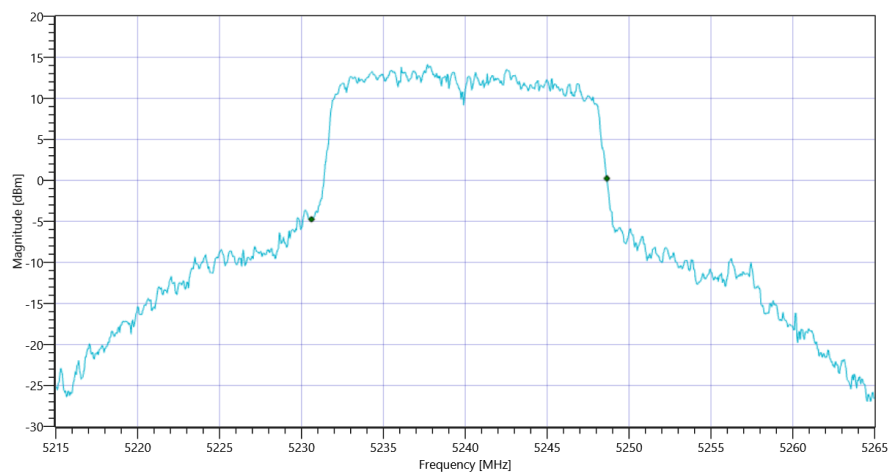
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 26.55   11.32   35    |
| Start [MHz]   Stop [MHz]                             | 5215.000   5265.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

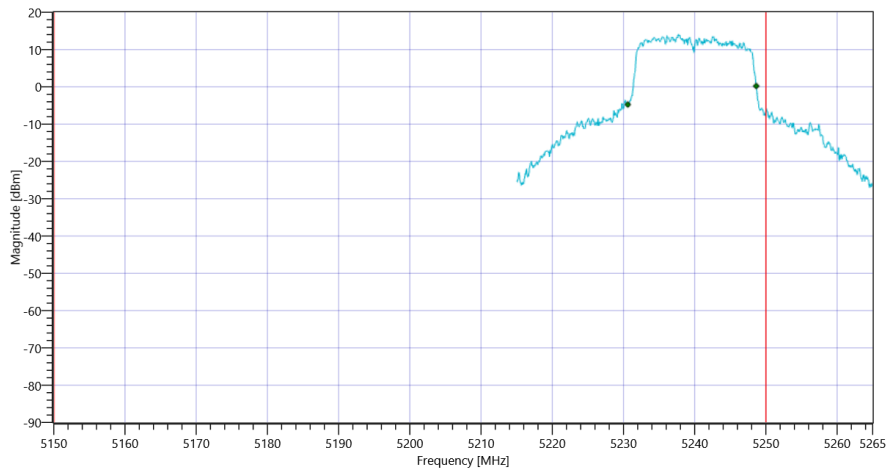
### RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 18.032    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5230.6094 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5248.6414 | MHz  | PASS    |

### Plot: Bandwidth only



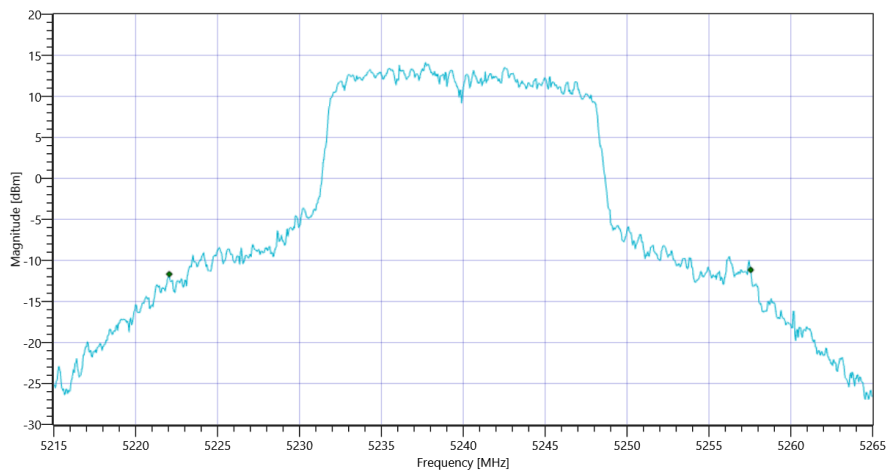
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

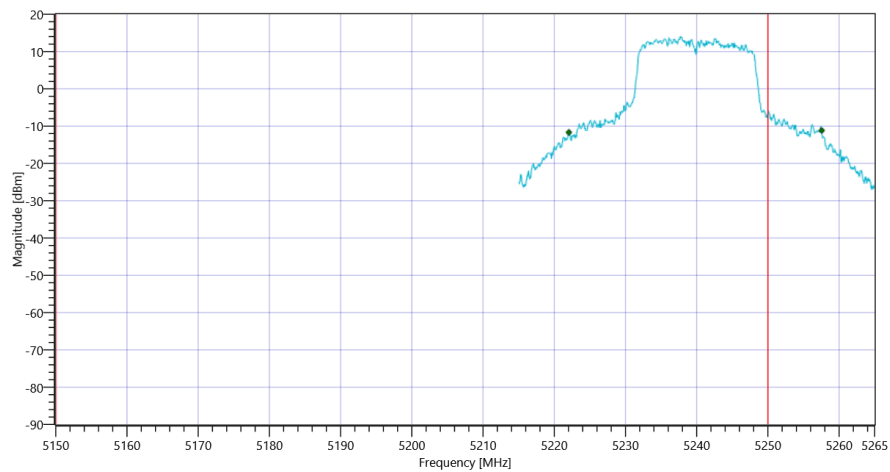
| RESULT           |             |             |           |      |              |
|------------------|-------------|-------------|-----------|------|--------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict      |
| Bandwidth 20dB   | ---         | ---         | 35.5      | MHz  | INFO         |
| T1 26dB          | 5150.000000 | ---         | 5222.0500 | MHz  | PASS         |
| T2 26dB          | ---         | 5250.000000 | 5257.5500 | MHz  | DFS required |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 14:26:39                              |
| Ambit Temp [°C]   Humidity [rel%] | 25.6   18                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-1   |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 3                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | True   Freq [MHz] 5200                 |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5200 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 18.06    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5196.600 | MHz  | INFO    |

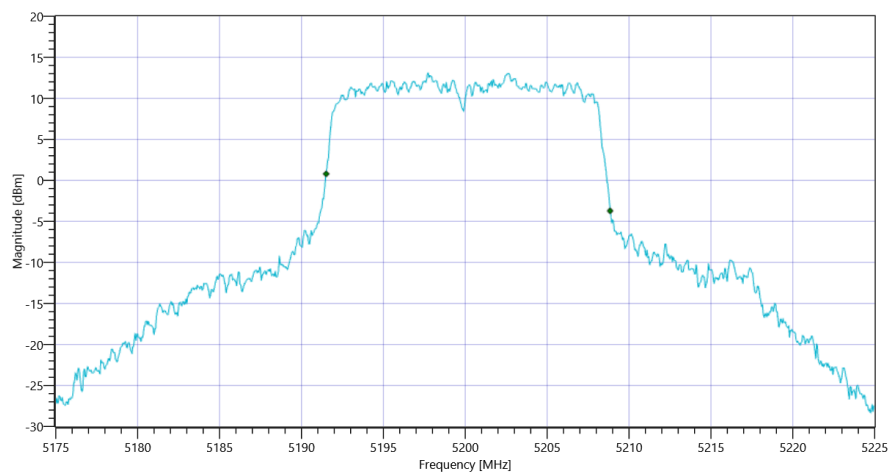
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 26.06   11.27   30    |
| Start [MHz]   Stop [MHz]                             | 5175.000   5225.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

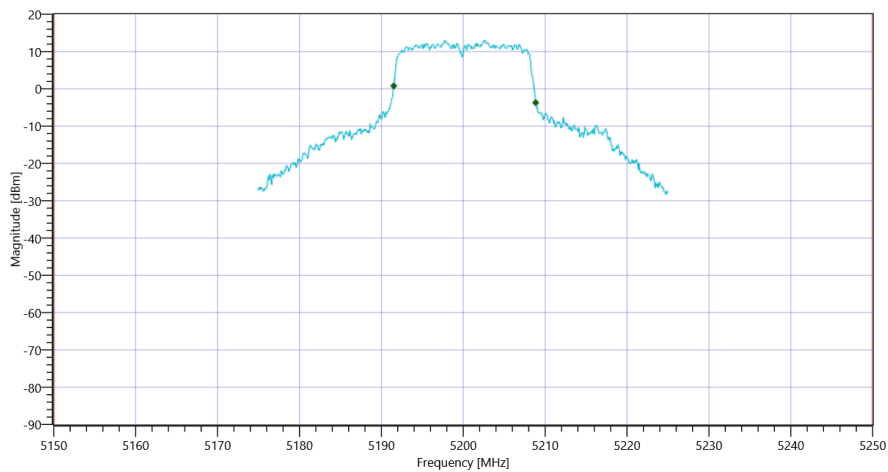
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 17.333    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5191.5085 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5208.8412 | MHz  | PASS    |

### Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 99PCT

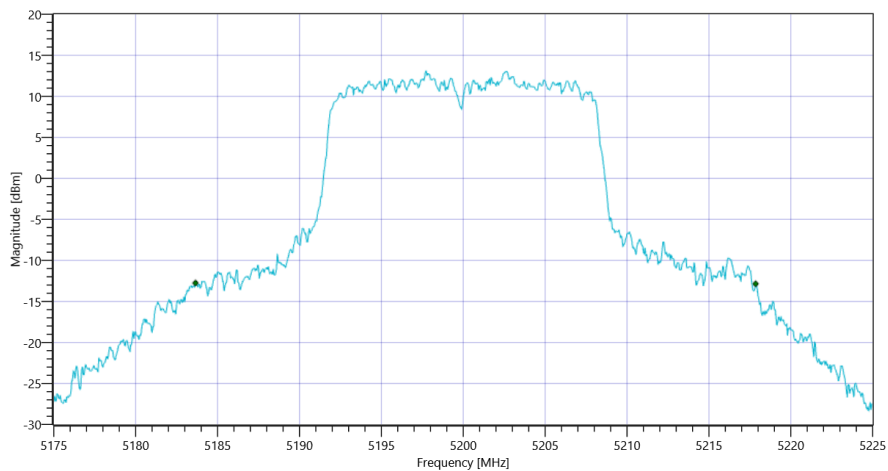
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

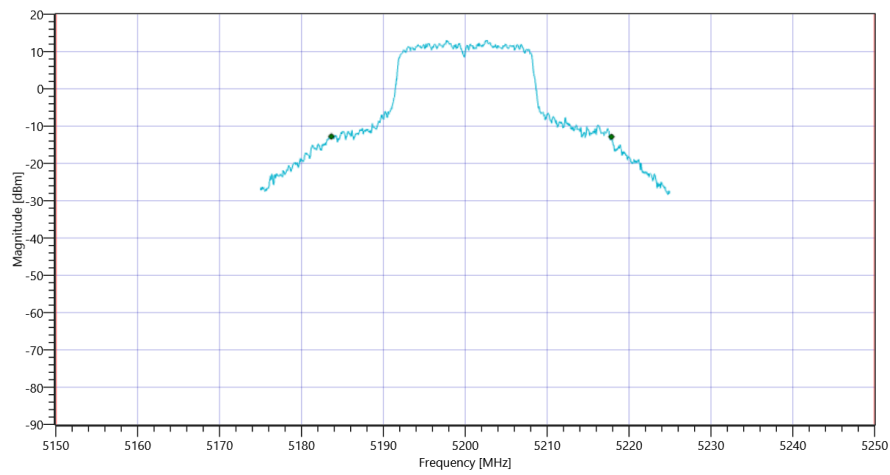
| RESULT           |             |             |           |      |         |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
| Bandwidth 20dB   | ---         | ---         | 34.2      | MHz  | INFO    |
| T1 26dB          | 5150.000000 | ---         | 5183.6500 | MHz  | PASS    |
| T2 26dB          | ---         | 5250.000000 | 5217.8500 | MHz  | PASS    |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 13:05:01                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.9   17                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | True   Freq [MHz] 5700                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5700 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.52    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5705.590 | MHz  | INFO    |

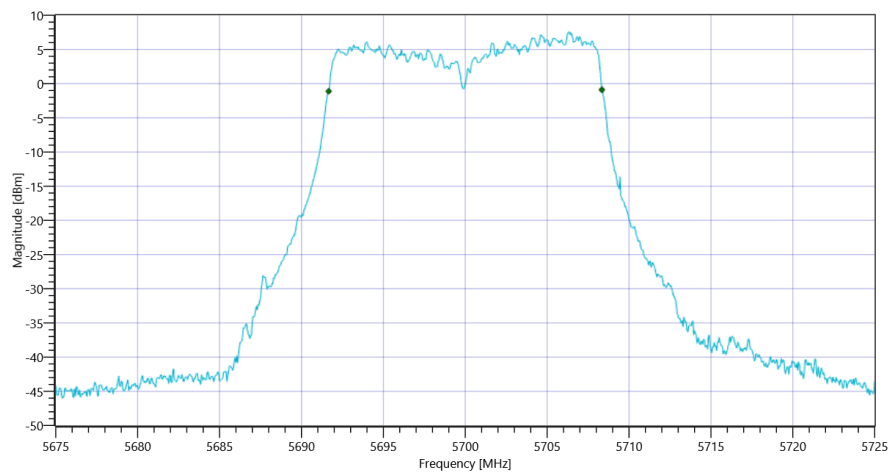
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 20.52   11.14   25    |
| Start [MHz]   Stop [MHz]                             | 5675.000   5725.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

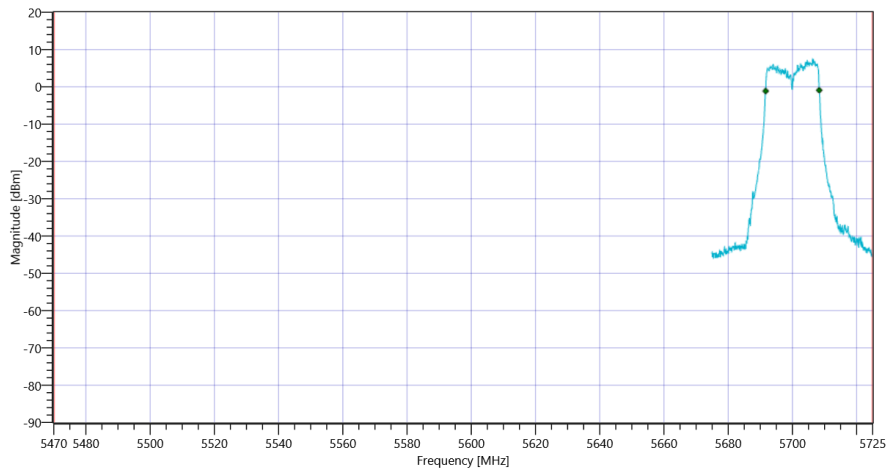
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.683    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5691.6583 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5708.3417 | MHz  |                                 |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

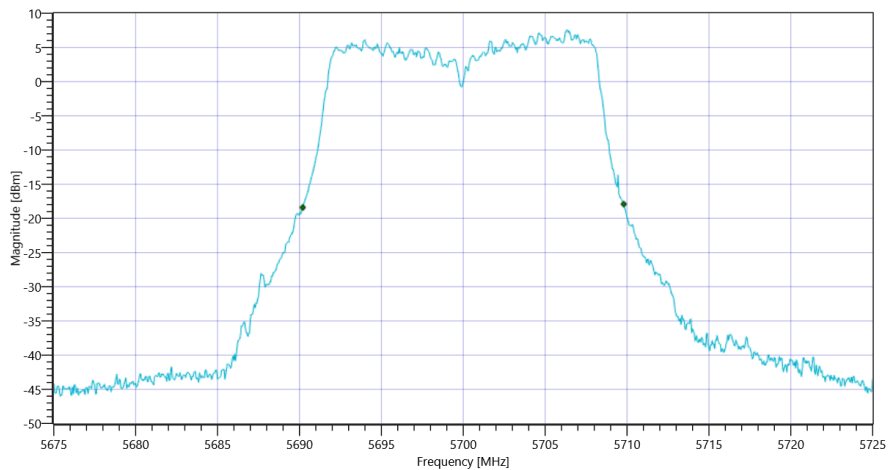
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

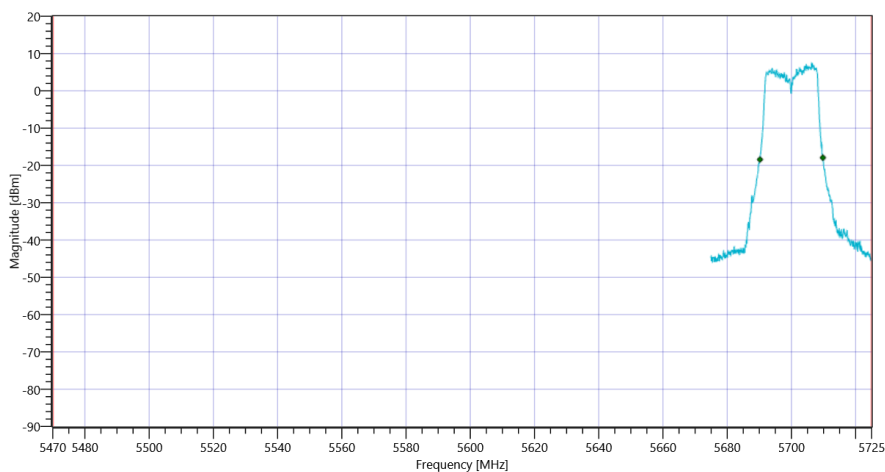
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.6      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5690.2000 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5709.8000 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

|                 |      |
|-----------------|------|
| General verdict | PASS |
|-----------------|------|

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 13:02:24                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.8   17                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | True   Freq [MHz] 5600                 |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5600 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 10.15    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5605.990 | MHz  | INFO    |

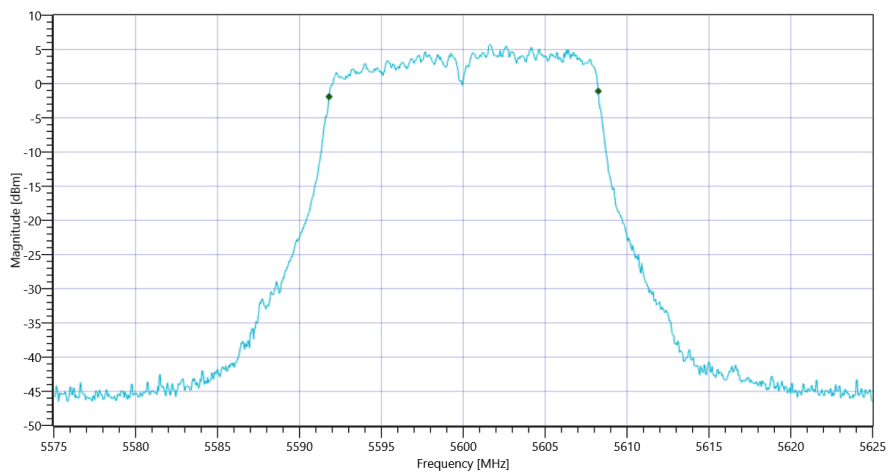
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 18.15   11.16   25    |
| Start [MHz]   Stop [MHz]                             | 5575.000   5625.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

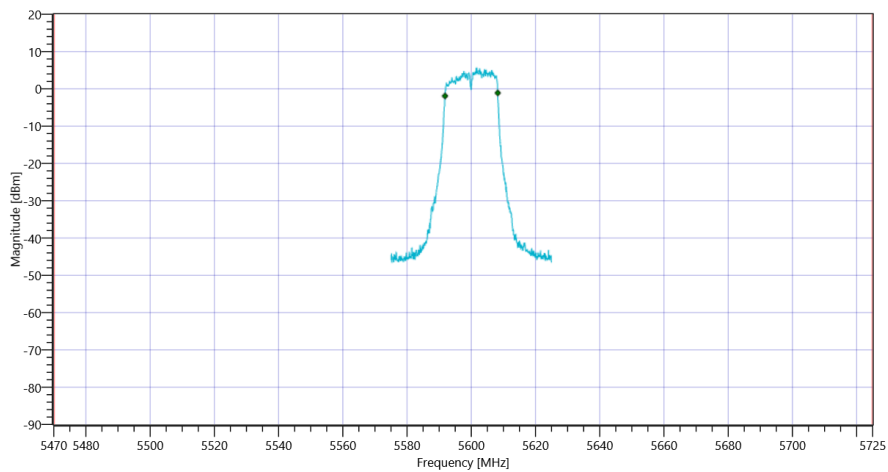
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.434    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5591.8082 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5608.2418 | MHz  |                                 |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

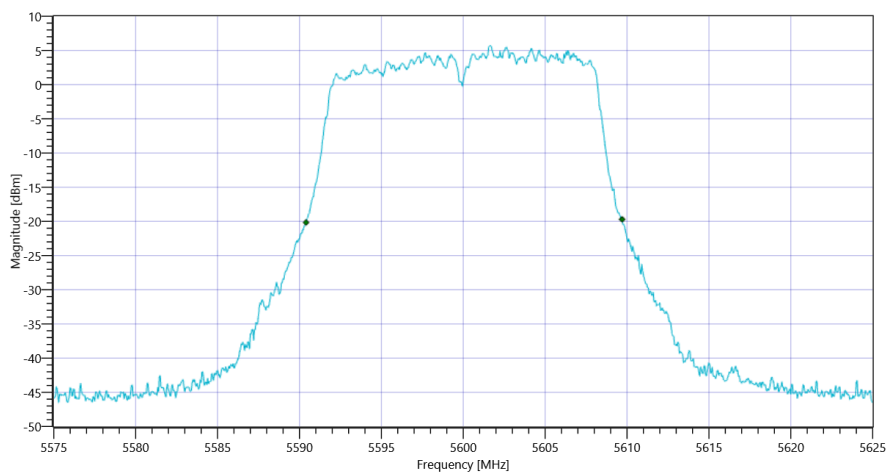
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

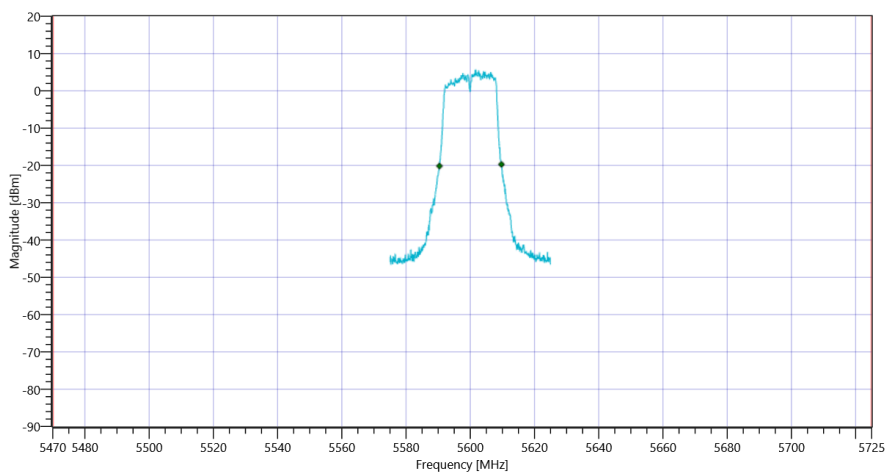
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.3      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5590.4000 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5609.7000 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

|                 |      |
|-----------------|------|
| General verdict | PASS |
|-----------------|------|

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:59:48                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.7   17                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5500                 |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5500 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 7.51     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5501.600 | MHz  | INFO    |

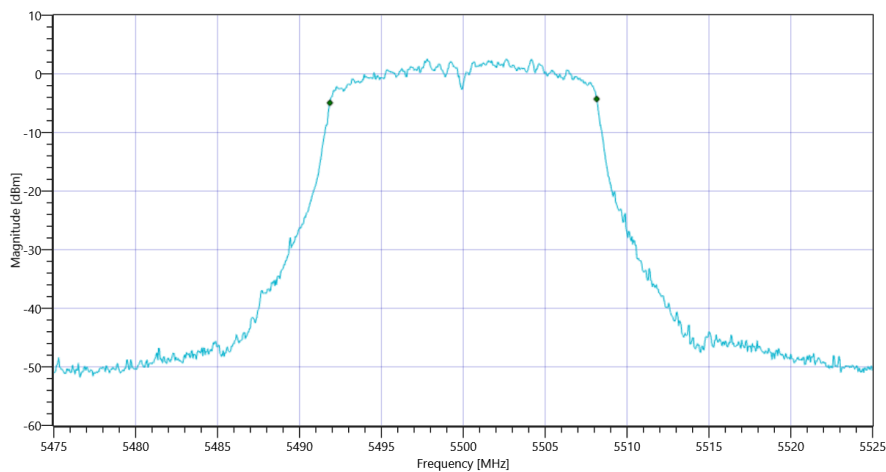
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.51   11.14   20    |
| Start [MHz]   Stop [MHz]                             | 5475.000   5525.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

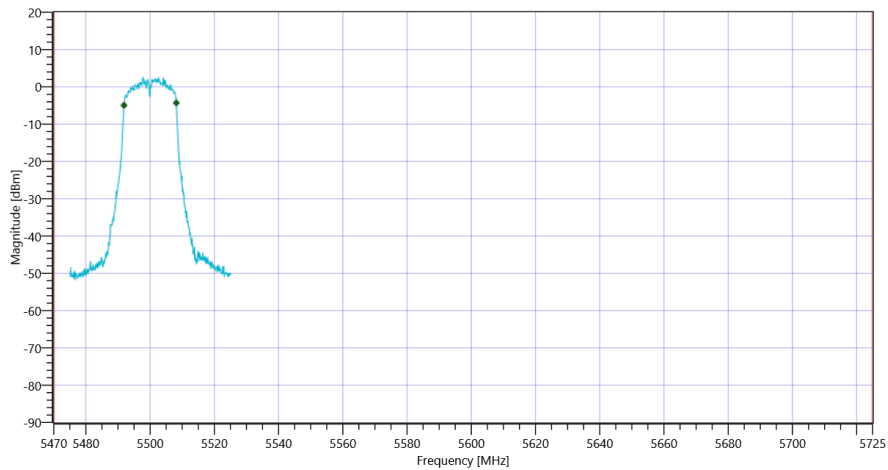
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.284    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5491.8581 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5508.1419 | MHz  |                                 |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

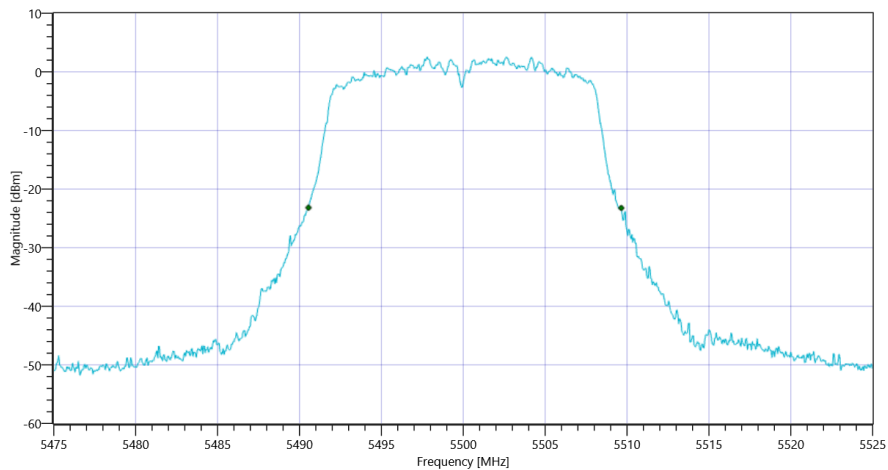
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

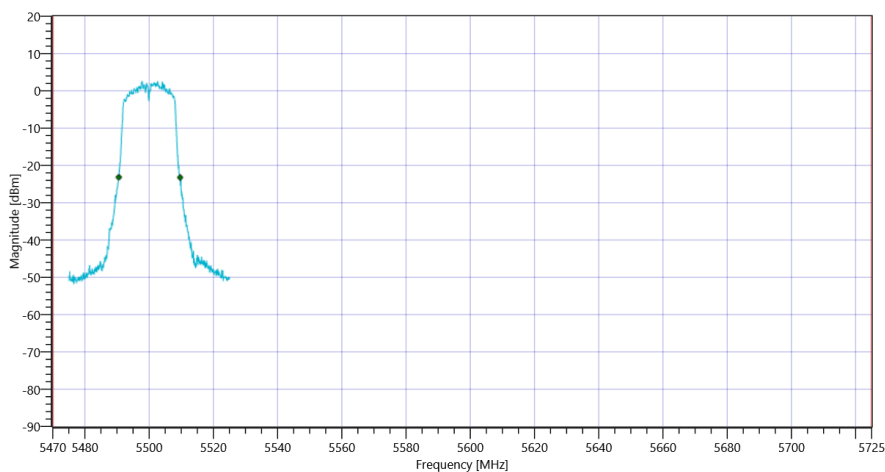
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.1      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5490.5500 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5509.6500 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:57:12                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.5   17                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5300                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5320 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.88    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5323.200 | MHz  | INFO    |

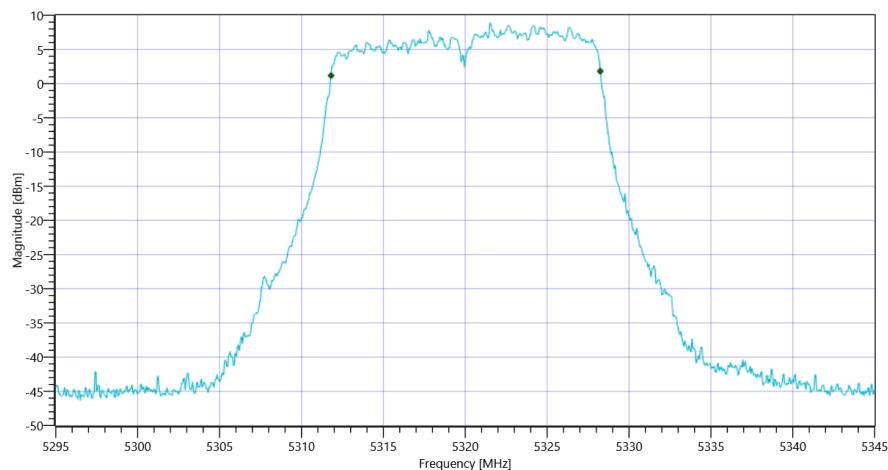
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 20.88   11.28   25    |
| Start [MHz]   Stop [MHz]                             | 5295.000   5345.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

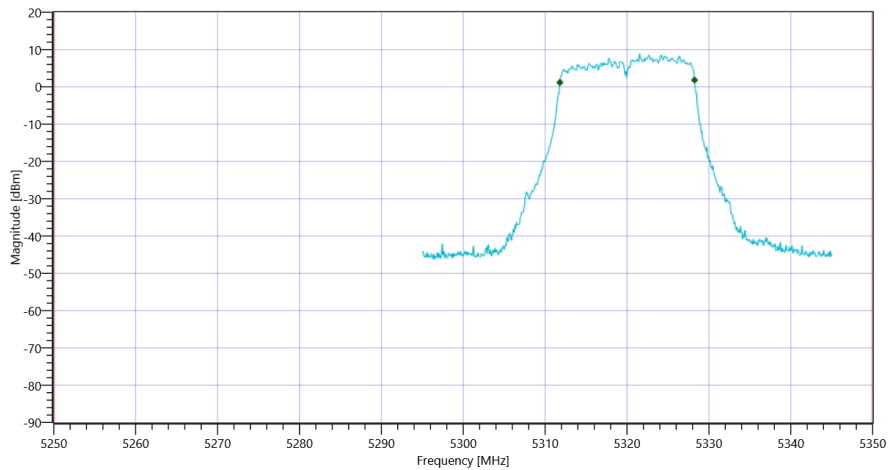
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.434    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5311.8082 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5328.2418 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

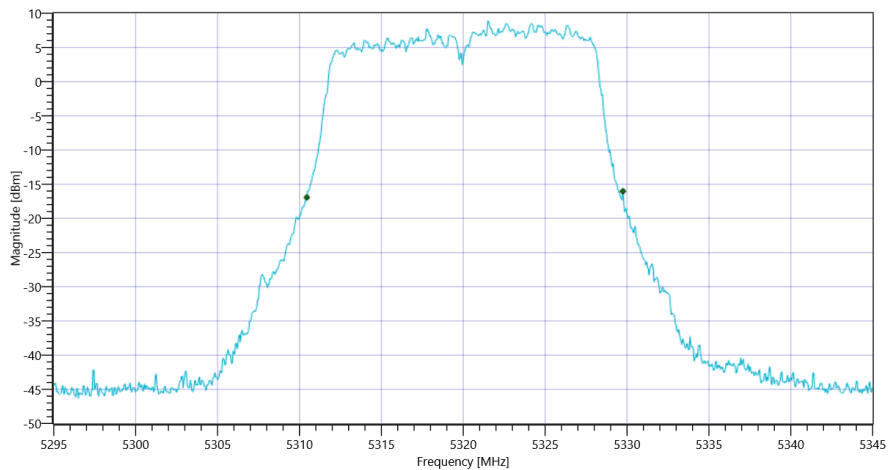
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

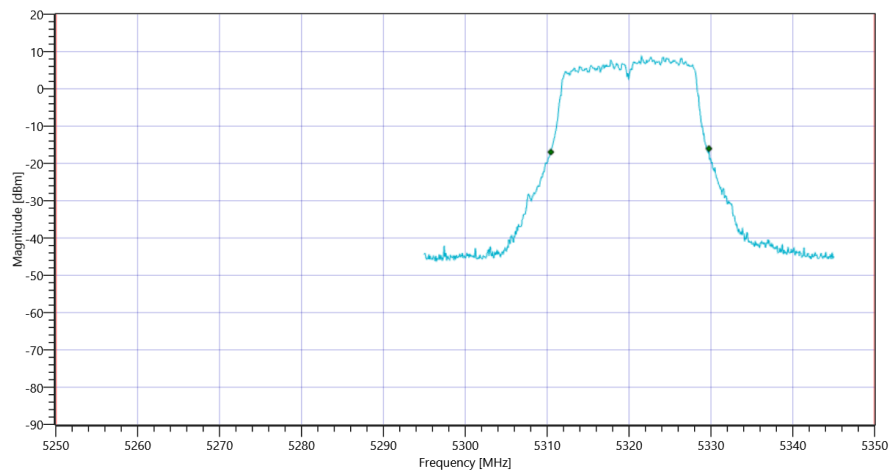
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.3      | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5310.4500 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5329.7500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:54:36                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.3   18                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5300                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5300 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 13.10    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5297.200 | MHz  | INFO    |

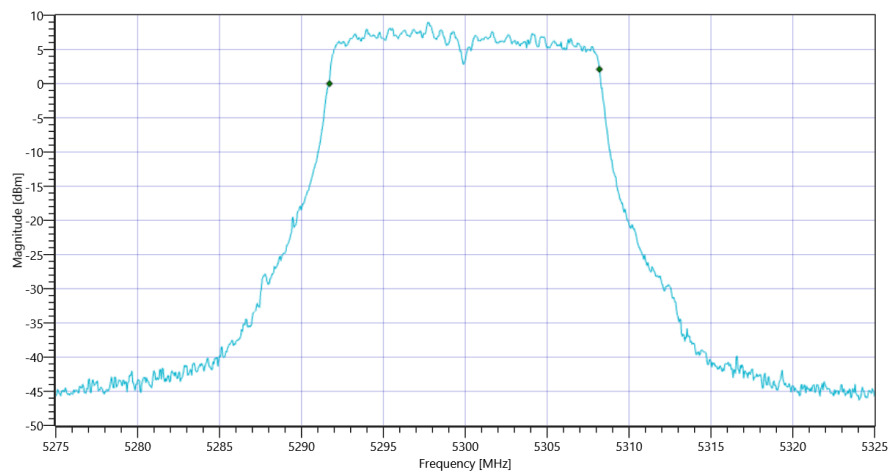
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 21.10   11.32   25    |
| Start [MHz]   Stop [MHz]                             | 5275.000   5325.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

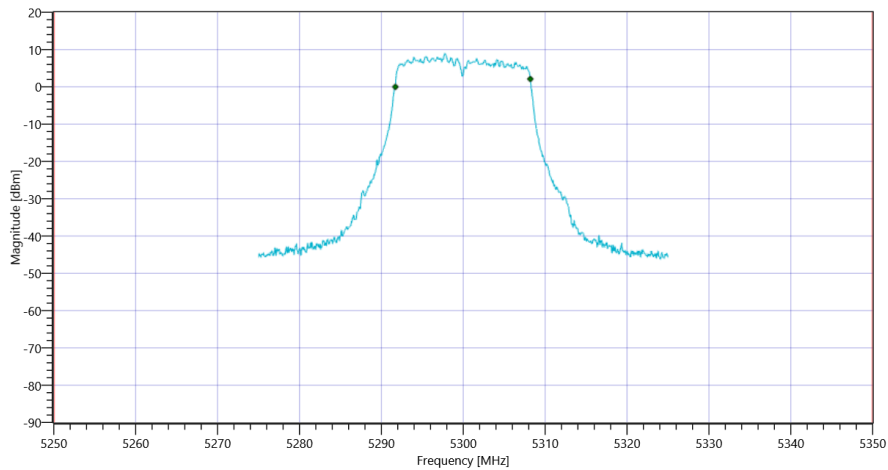
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.484    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5291.7083 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5308.1918 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

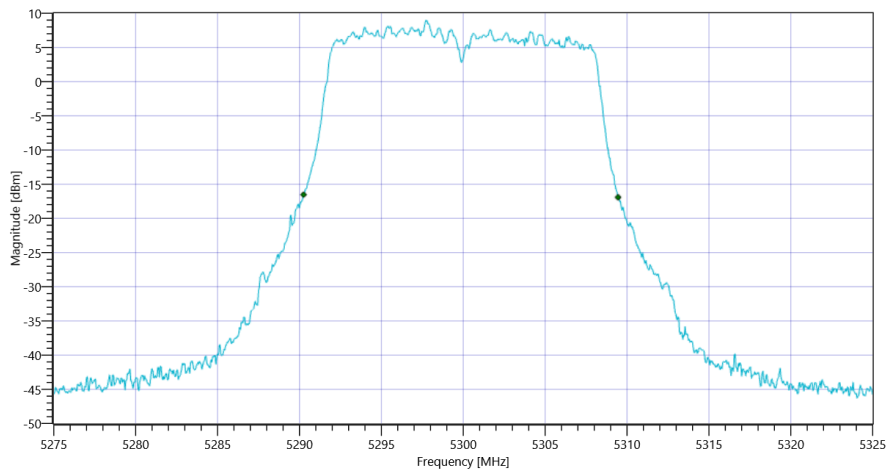
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

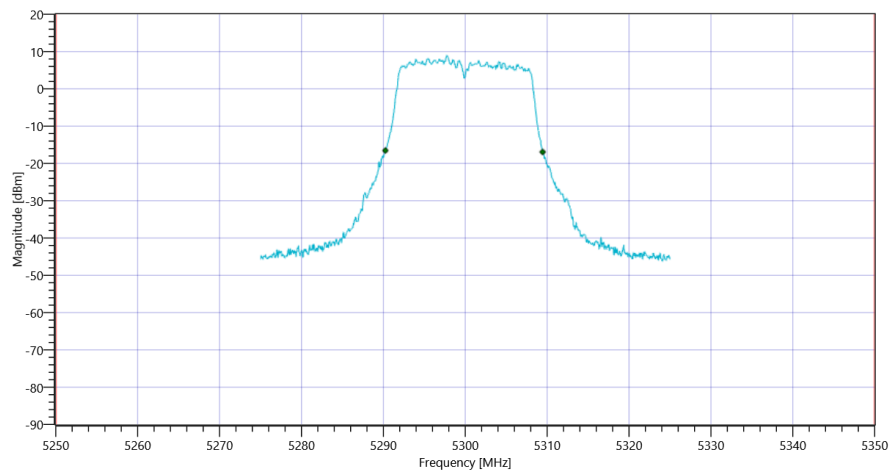
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.2      | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5290.2500 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5309.4500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:52:00                              |
| Ambit Temp [°C]   Humidity [rel%] | 26.1   18                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5300                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5260 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.47    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5255.200 | MHz  | INFO    |

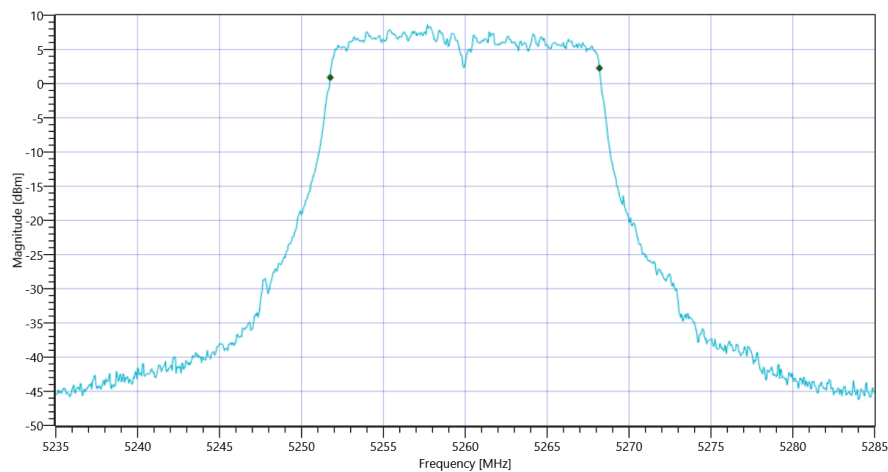
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 20.47   11.33   25    |
| Start [MHz]   Stop [MHz]                             | 5235.000   5285.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

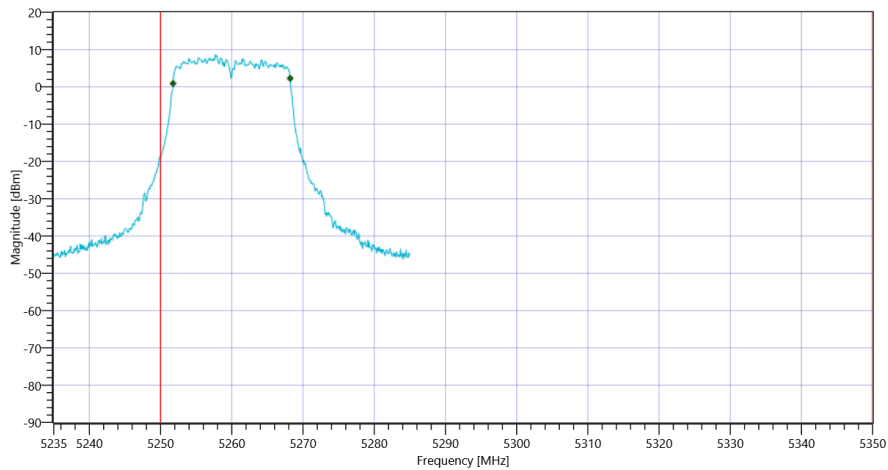
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.434    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5251.7582 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5268.1918 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

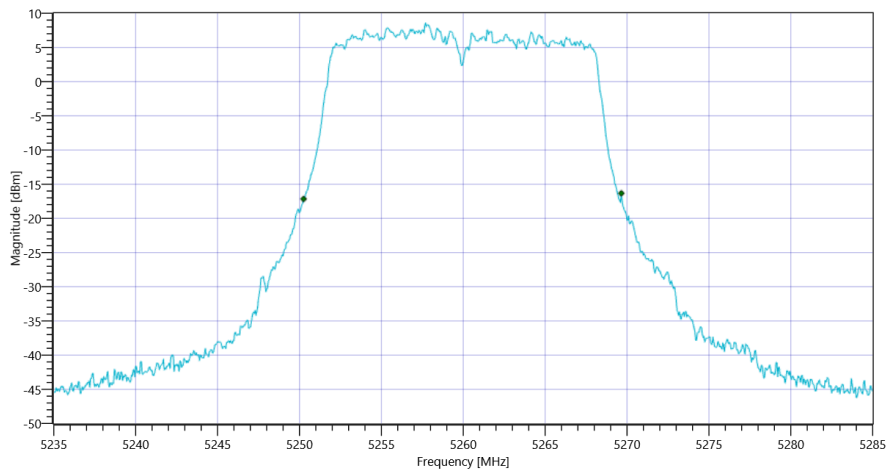
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

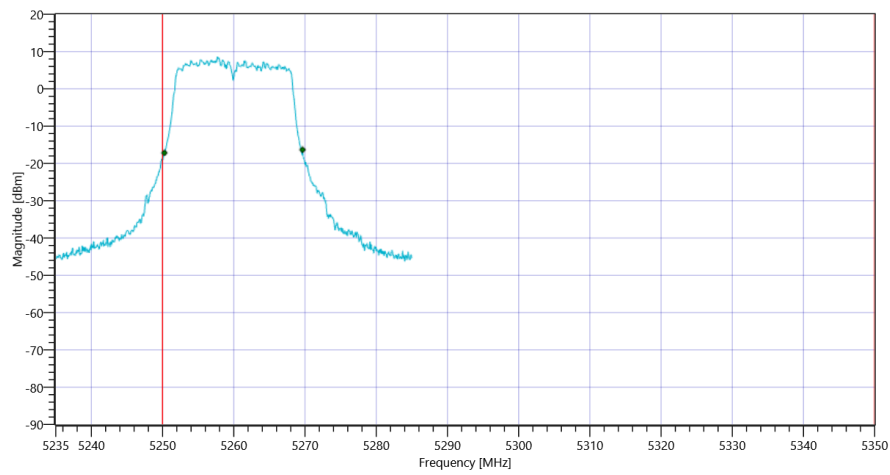
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.4      | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5250.2500 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5269.6500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:49:23                              |
| Ambit Temp [°C]   Humidity [rel%] | 25.6   18                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-1   |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | True   Freq [MHz] 5240                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5240 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 17.38    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5245.390 | MHz  | INFO    |

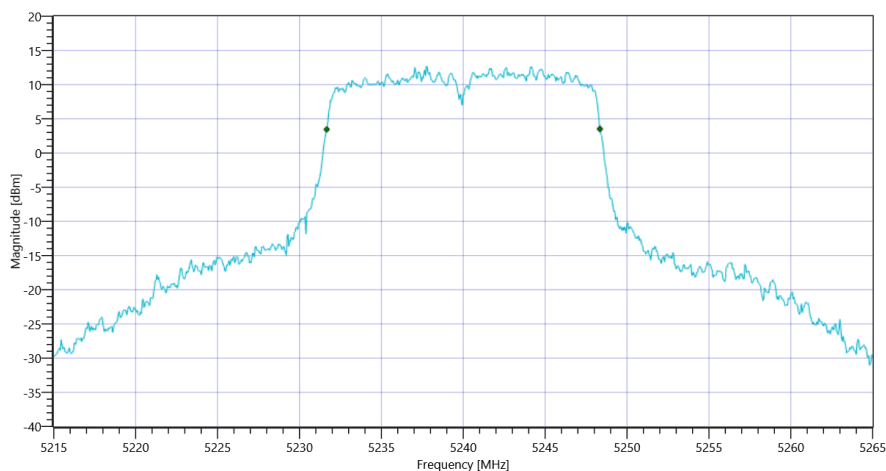
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 25.38   11.32   30    |
| Start [MHz]   Stop [MHz]                             | 5215.000   5265.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

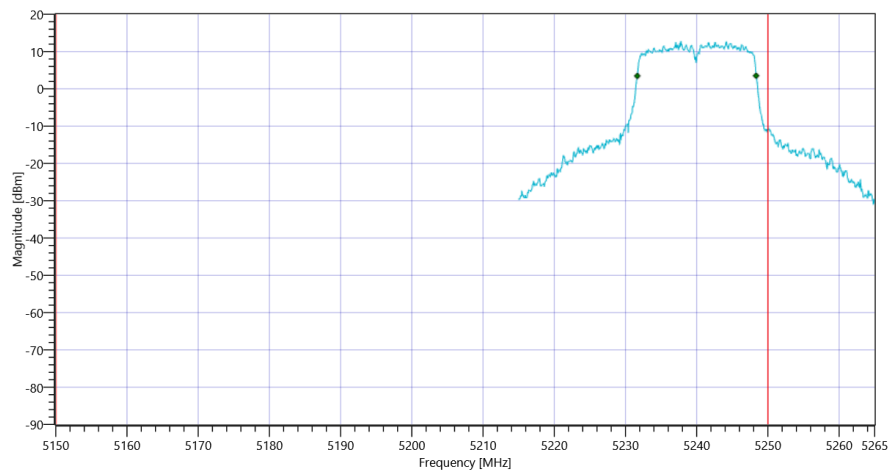
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 16.683    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5231.6583 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5248.3417 | MHz  | PASS    |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1 99PCT

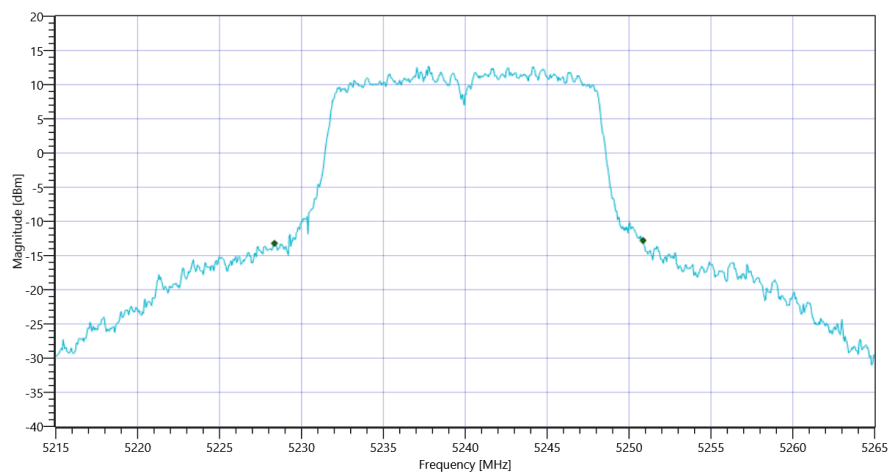
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

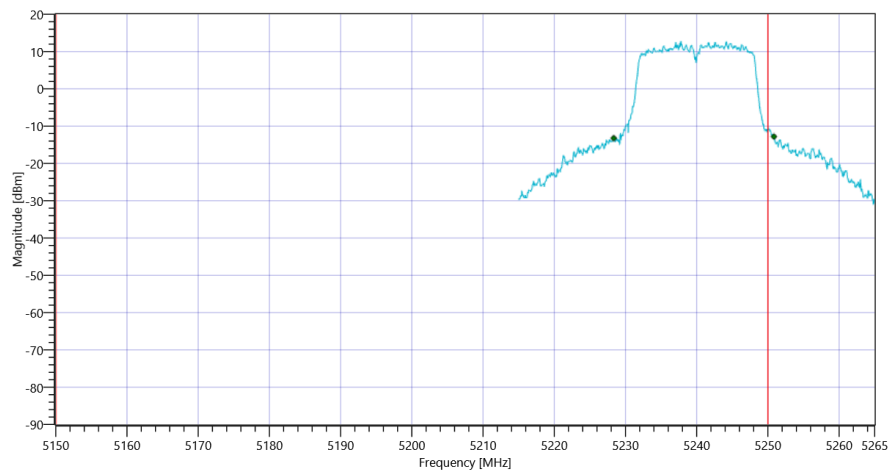
| RESULT           |             |             |           |      |              |
|------------------|-------------|-------------|-----------|------|--------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict      |
| Bandwidth 20dB   | ---         | ---         | 22.5      | MHz  | INFO         |
| T1 26dB          | 5150.000000 | ---         | 5228.3500 | MHz  | PASS         |
| T2 26dB          | ---         | 5250.000000 | 5250.8500 | MHz  | DFS required |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 12:46:41                              |
| Ambit Temp [°C]   Humidity [rel%] | 25.0   19                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-1   |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | True   Freq [MHz] 5200                 |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5200 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 15.38    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5196.200 | MHz  | INFO    |

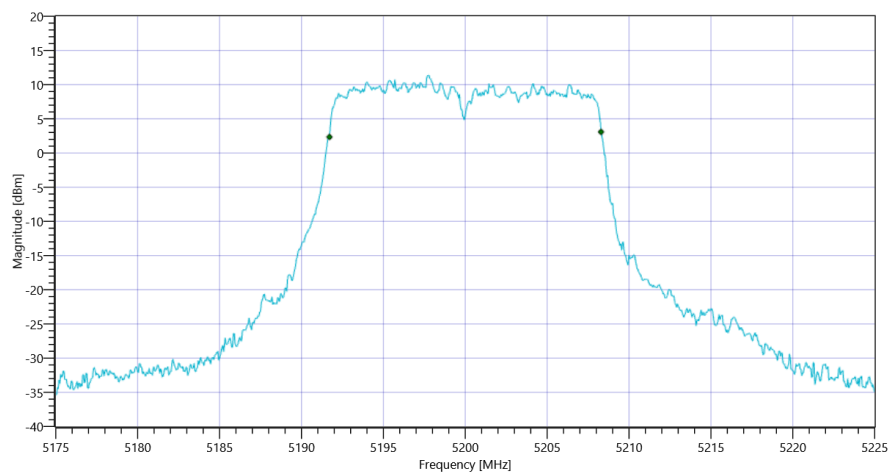
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 23.38   11.27   30    |
| Start [MHz]   Stop [MHz]                             | 5175.000   5225.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

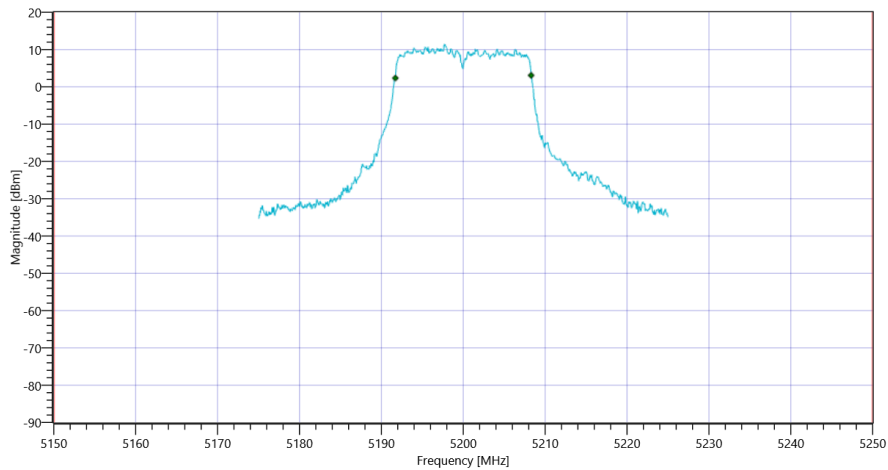
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 16.583    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5191.7083 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5208.2917 | MHz  | PASS    |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1 99PCT

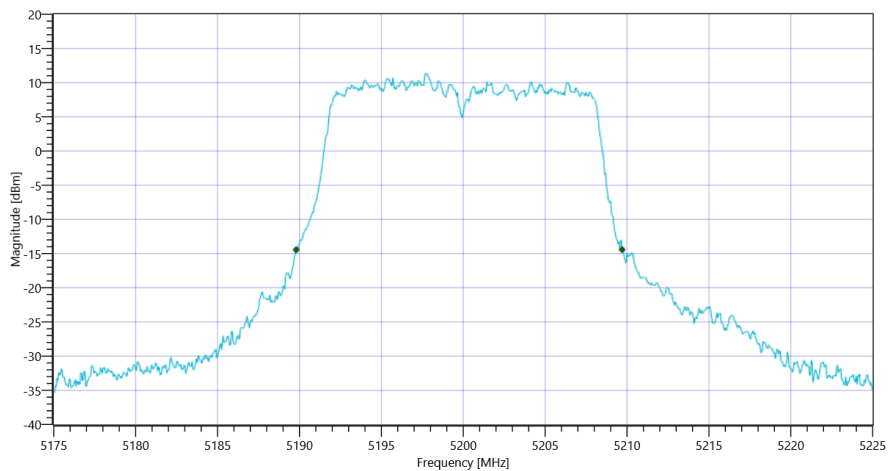
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

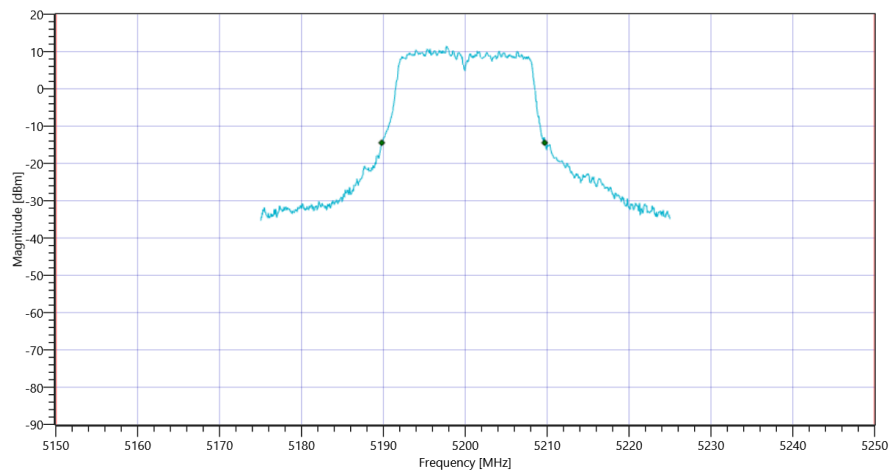
| RESULT           |             |             |           |      |         |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
| Bandwidth 20dB   | ---         | ---         | 19.9      | MHz  | INFO    |
| T1 26dB          | 5150.000000 | ---         | 5189.8000 | MHz  | PASS    |
| T2 26dB          | ---         | 5250.000000 | 5209.7000 | MHz  | PASS    |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 11:06:07                              |
| Ambit Temp [°C]   Humidity [rel%] | 24.9   18                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | True   Freq [MHz] 5700                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5700 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.05    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5704.600 | MHz  | INFO    |

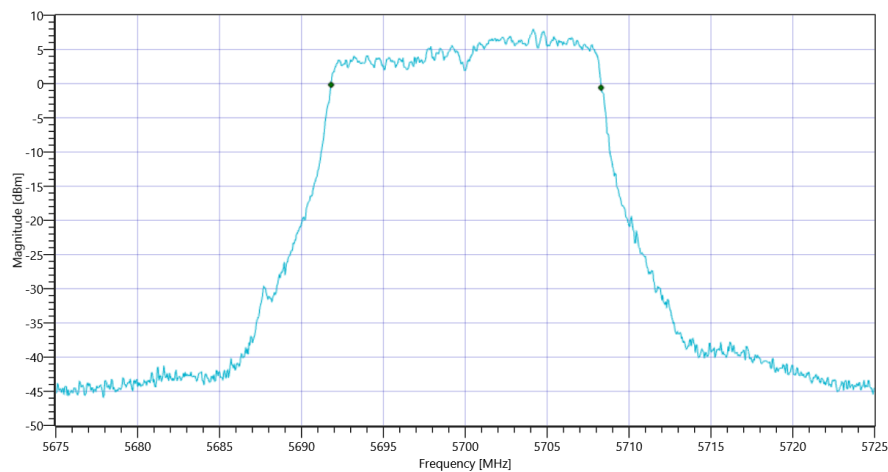
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 20.05   11.14   25    |
| Start [MHz]   Stop [MHz]                             | 5675.000   5725.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

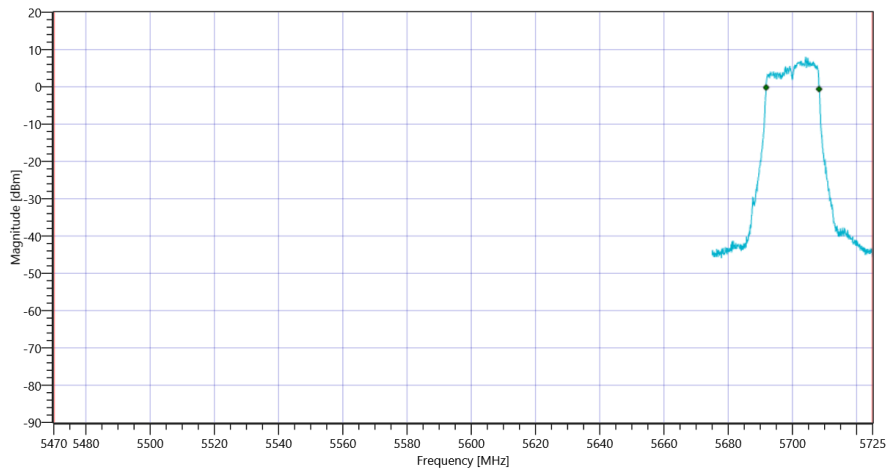
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.484    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5691.8082 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5708.2917 | MHz  |                                 |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

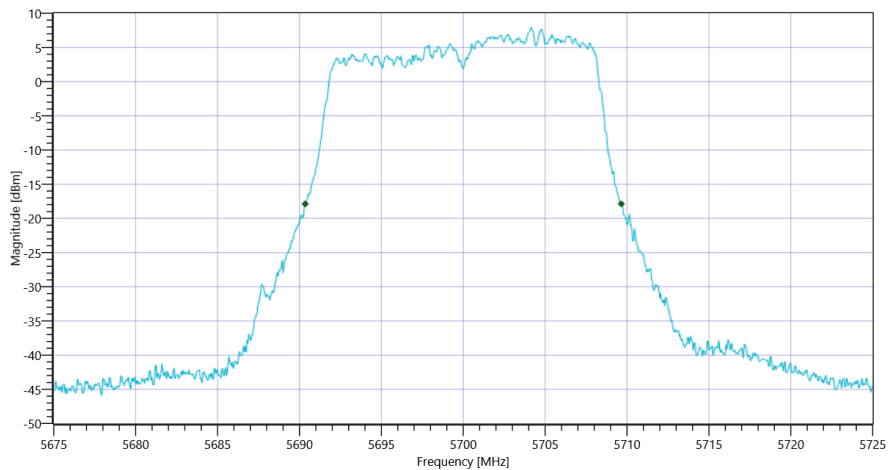
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

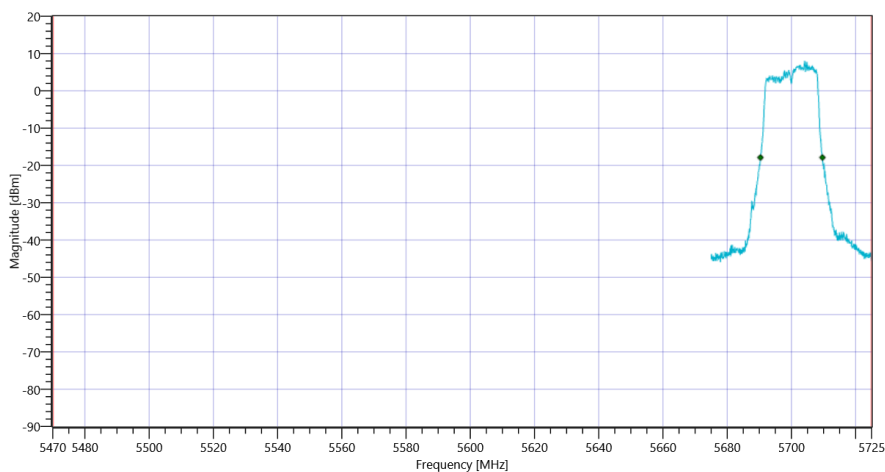
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.3      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5690.3500 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5709.6500 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

|                 |      |
|-----------------|------|
| General verdict | PASS |
|-----------------|------|

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:59:33                              |
| Ambit Temp [°C]   Humidity [rel%] | 25.5   19                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | True   Freq [MHz] 5600                 |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 10.42    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5595.000 | MHz  | INFO    |

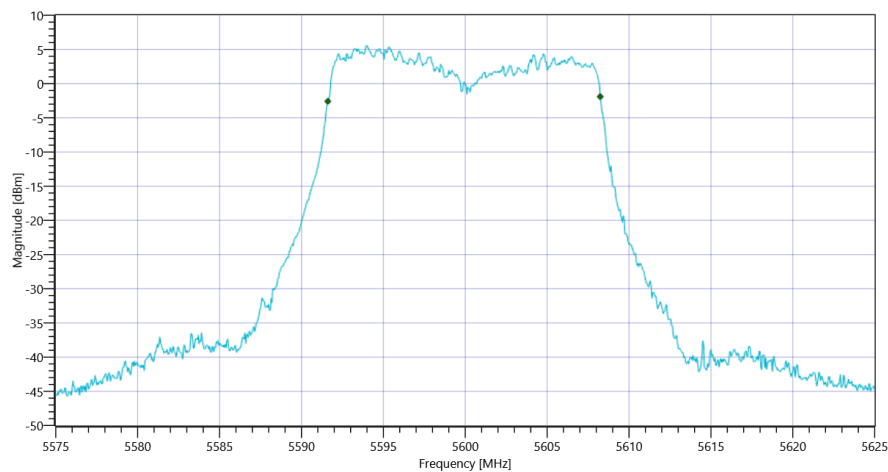
READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 18.42   11.16   25    |
| Start [MHz]   Stop [MHz]                             | 5575.000   5625.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

RESULT

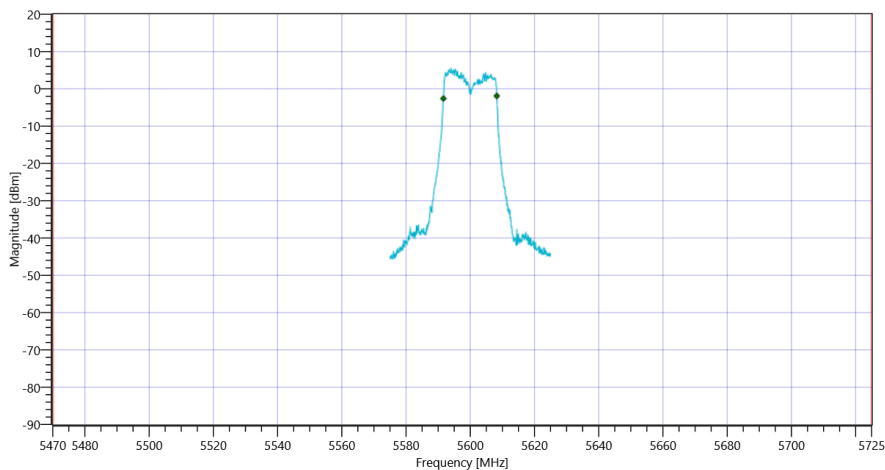
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.633    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5591.6084 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5608.2418 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

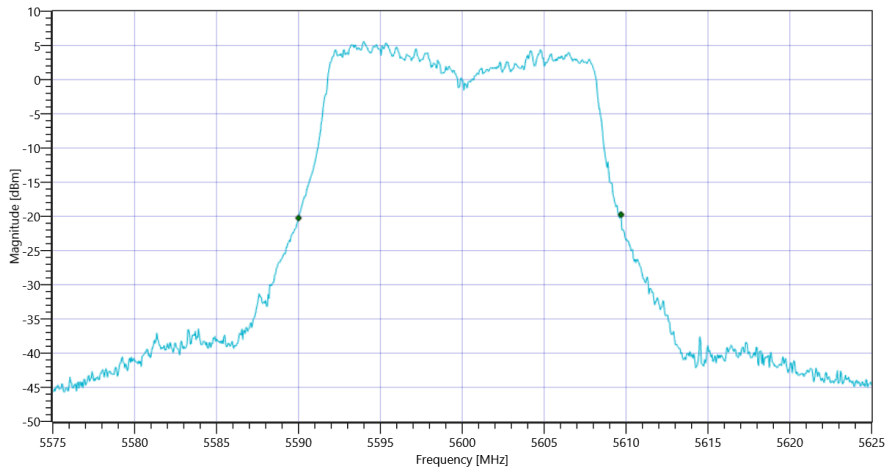
Plot: Bandwidth within Band



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

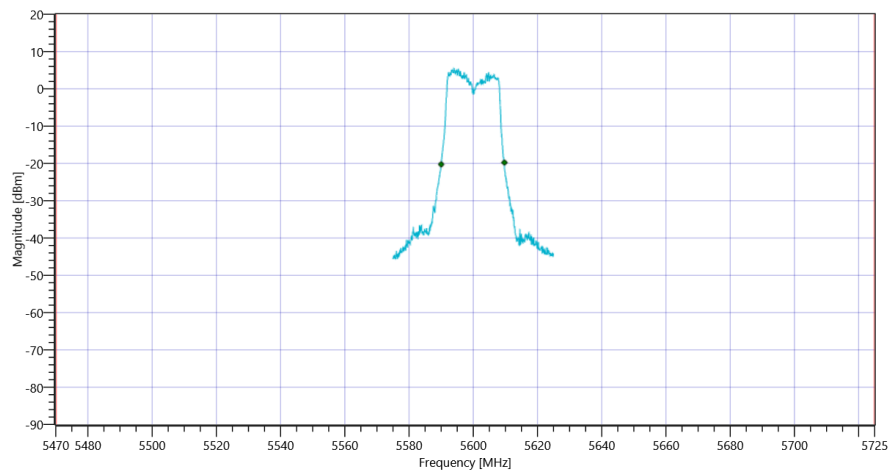
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.7      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5590.0000 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5609.7000 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2C

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:56:58                              |
| Ambit Temp [°C]   Humidity [rel%] | 25.2   19                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5500                 |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5500 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 9.51     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5505.790 | MHz  | INFO    |

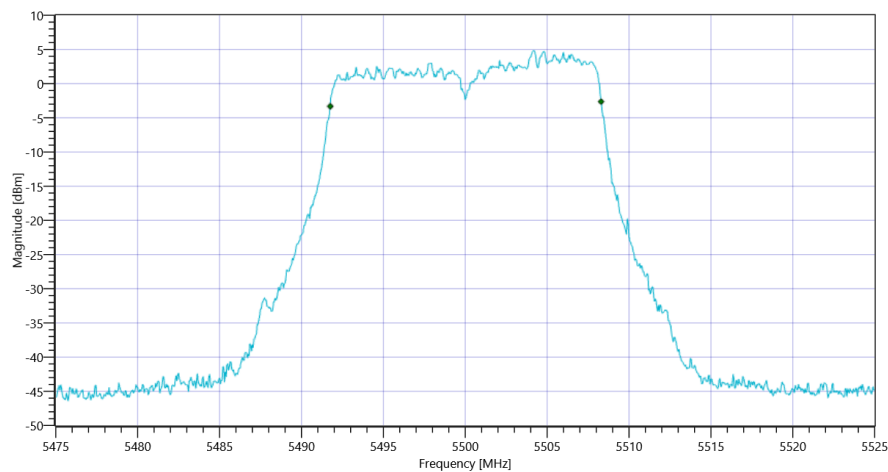
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 17.51   11.14   25    |
| Start [MHz]   Stop [MHz]                             | 5475.000   5525.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

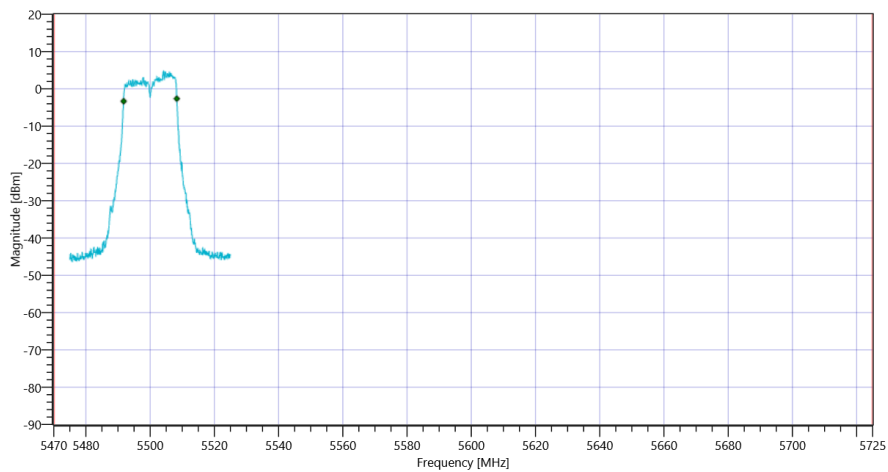
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.533    | MHz  | INFO                            |
| T1 99%           | 5470.000000 | ---         | 5491.7582 | MHz  | PASS since U-NII-3 is supported |
| T2 99%           | ---         | 5725.000000 | 5508.2917 | MHz  |                                 |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2C 99PCT

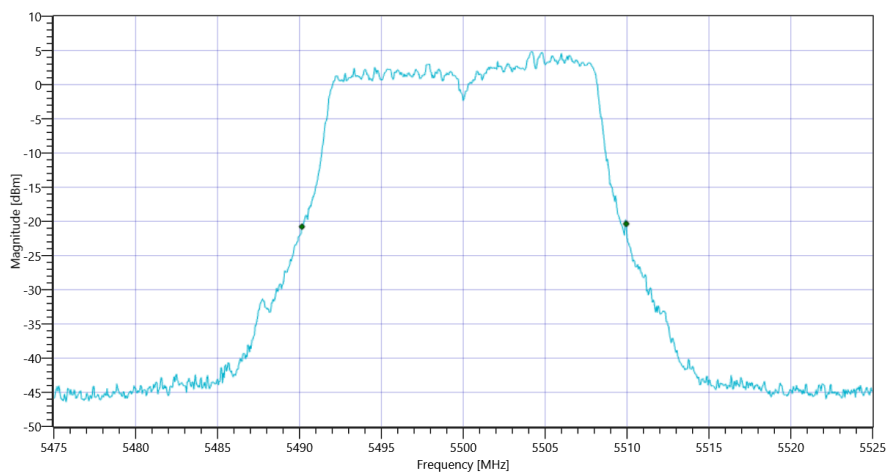
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

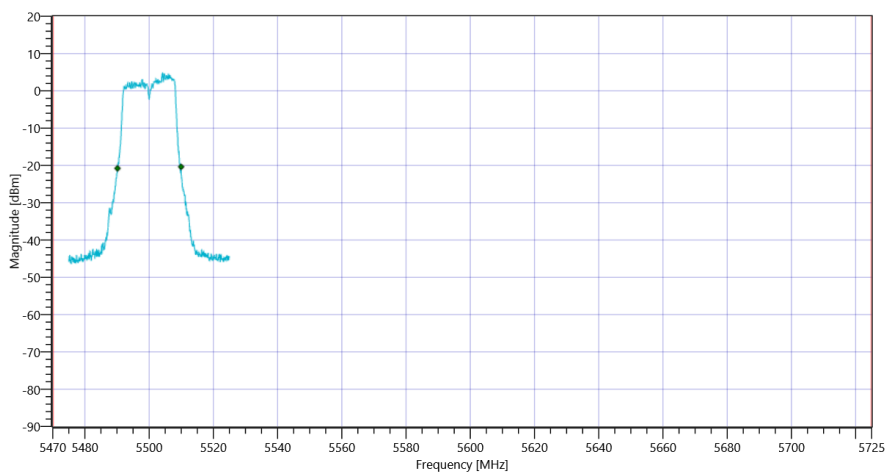
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.8      | MHz  | INFO                            |
| T1 26dB          | 5470.000000 | ---         | 5490.1500 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB          | ---         | 5725.000000 | 5509.9500 | MHz  |                                 |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2C

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:54:23                              |
| Ambit Temp [°C]   Humidity [rel%] | 24.9   20                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5300                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5320 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 11.69    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5322.200 | MHz  | INFO    |

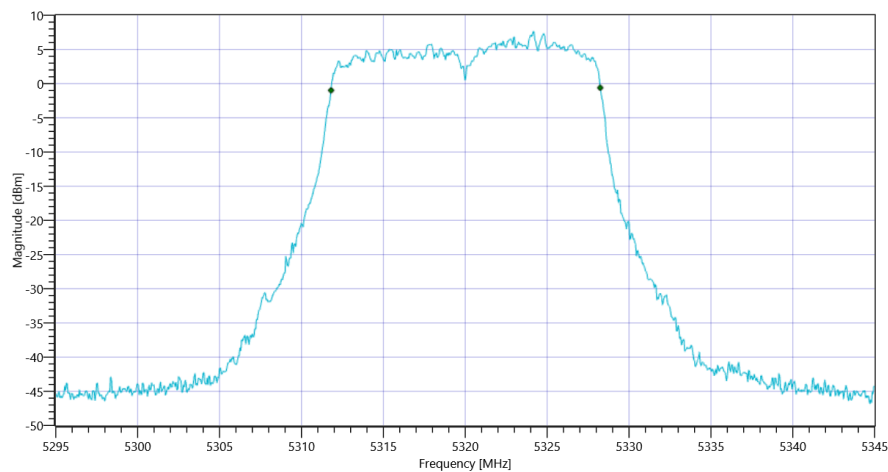
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 19.69   11.28   25    |
| Start [MHz]   Stop [MHz]                             | 5295.000   5345.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

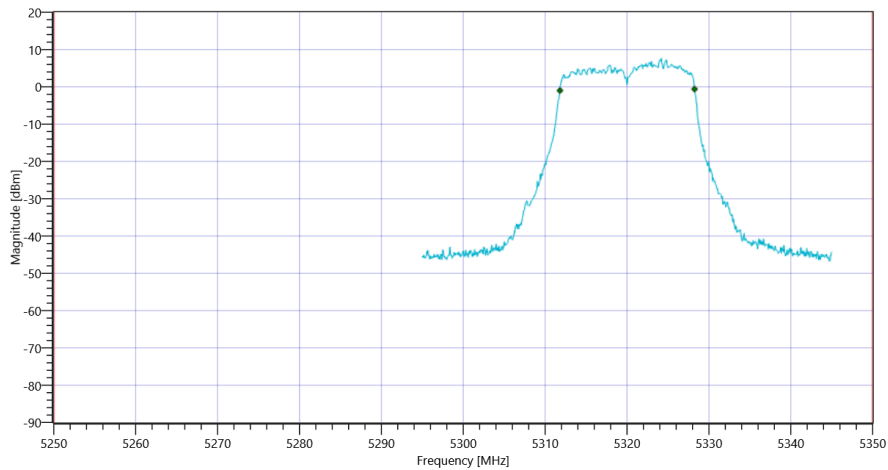
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.434    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5311.8082 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5328.2418 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

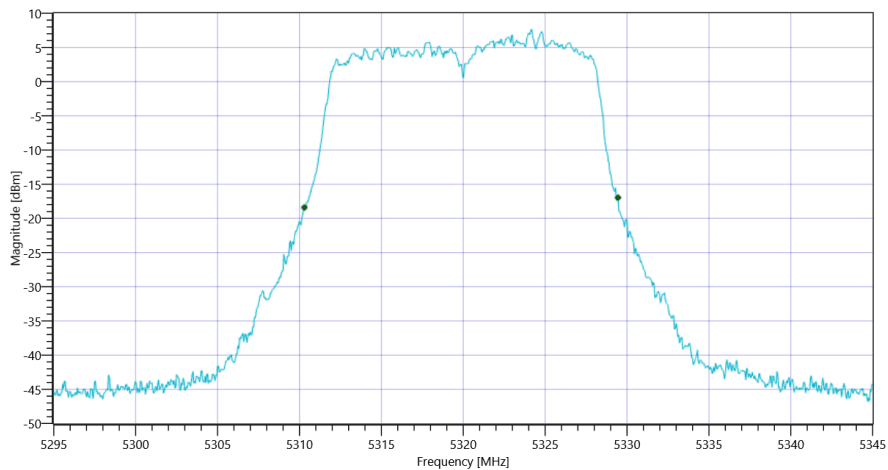
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

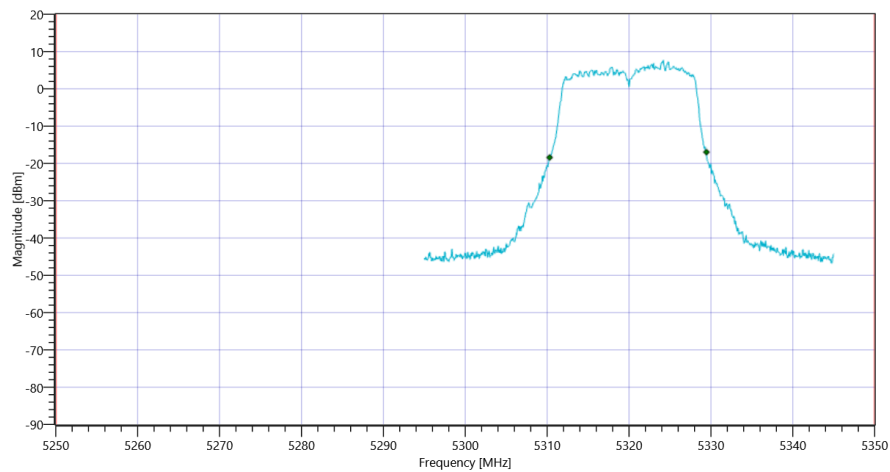
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.15     | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5310.3000 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5329.4500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:51:48                              |
| Ambit Temp [°C]   Humidity [rel%] | 24.5   20                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5300                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5300 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 11.57    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5294.410 | MHz  | INFO    |

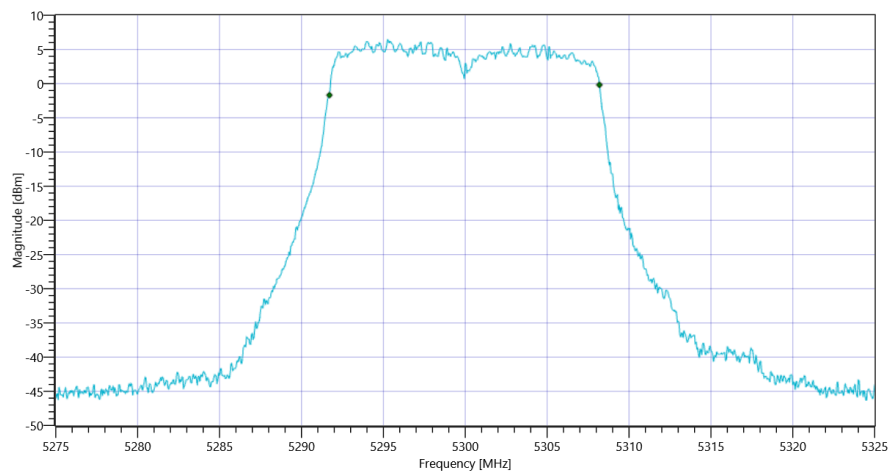
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 19.57   11.32   25    |
| Start [MHz]   Stop [MHz]                             | 5275.000   5325.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

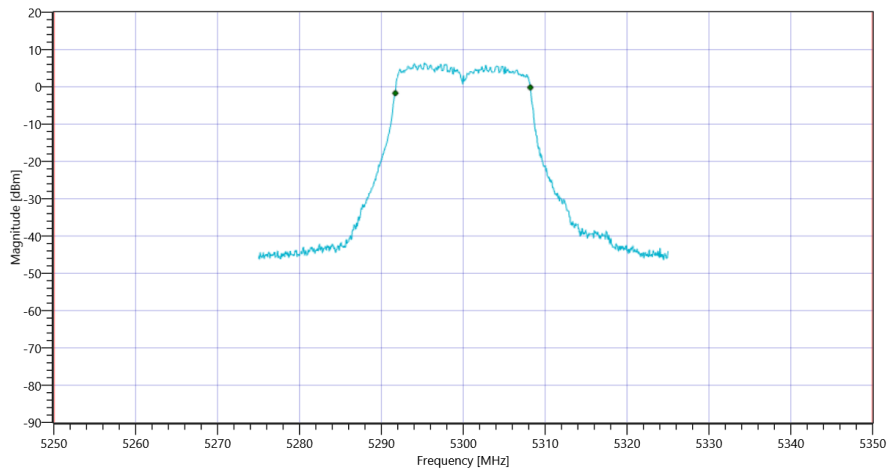
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.484    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5291.7083 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5308.1918 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

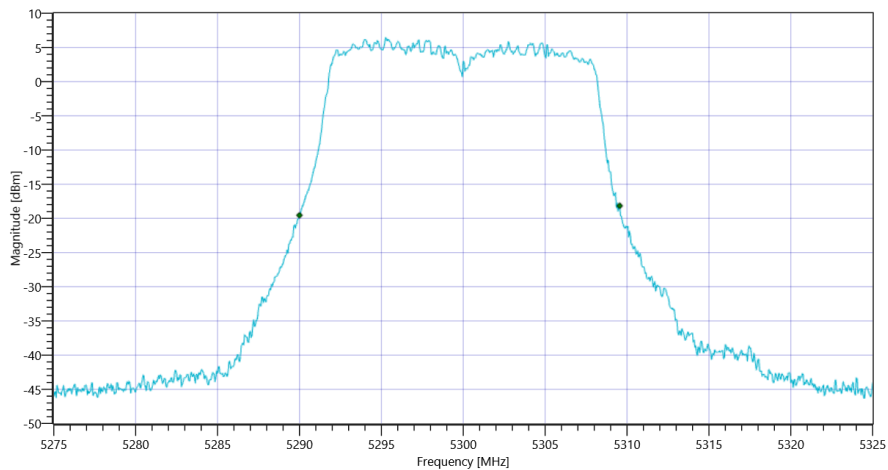
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

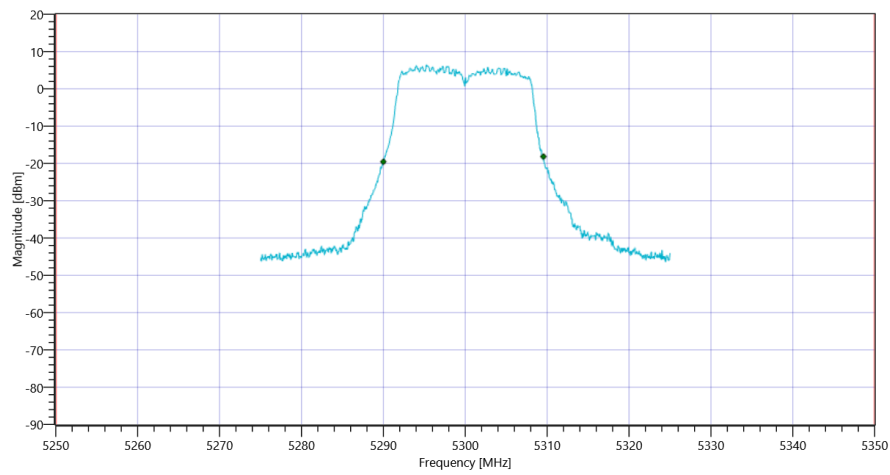
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.55     | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5290.0000 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5309.5500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-2A

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:49:14                              |
| Ambit Temp [°C]   Humidity [rel%] | 24.2   20                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5300                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5260 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 11.13    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5265.590 | MHz  | INFO    |

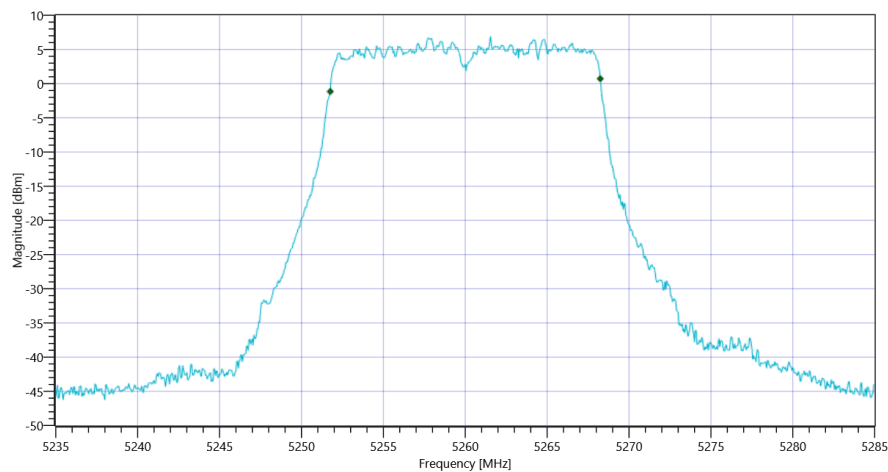
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 19.13   11.33   25    |
| Start [MHz]   Stop [MHz]                             | 5235.000   5285.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

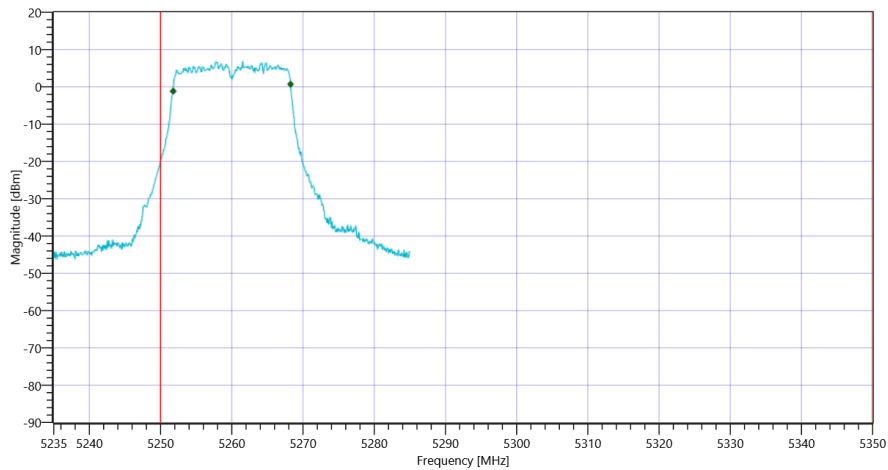
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99%    | ---         | ---         | 16.484    | MHz  | INFO                            |
| T1 99%           | 5250.000000 | ---         | 5251.7582 | MHz  | PASS since U-NII-1 is supported |
| T2 99%           | ---         | 5350.000000 | 5268.2418 | MHz  | PASS                            |

### Plot: Bandwidth only



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-2A 99PCT

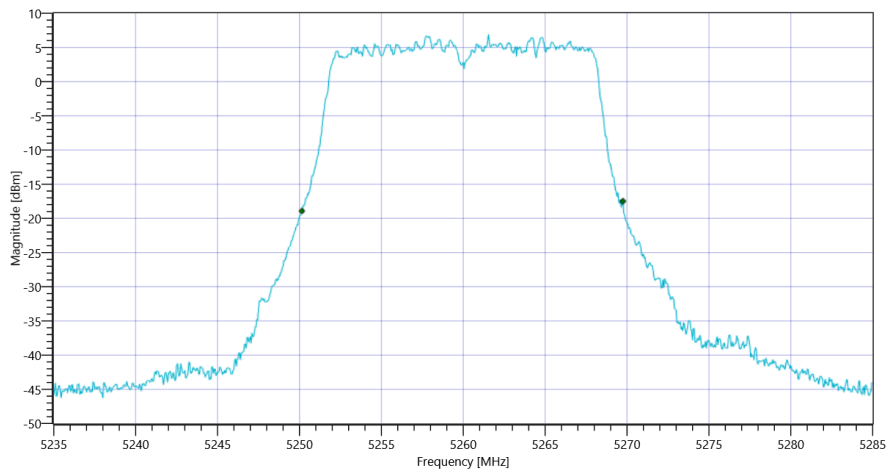
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

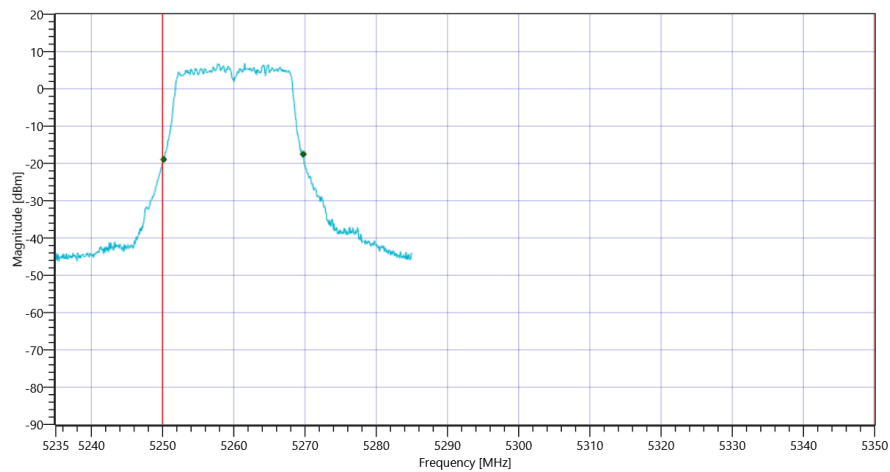
| RESULT           |             |             |           |      |                                 |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict                         |
| Bandwidth 20dB   | ---         | ---         | 19.6      | MHz  | INFO                            |
| T1 26dB          | 5250.000000 | ---         | 5250.1500 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB          | ---         | 5350.000000 | 5269.7500 | MHz  | PASS                            |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-2A

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:46:39                              |
| Ambit Temp [°C]   Humidity [rel%] | 23.9   20                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-1   |
| Add. Information                  |                                                  |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | True   Freq [MHz] 5240                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5240 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 17.42    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5244.200 | MHz  | INFO    |

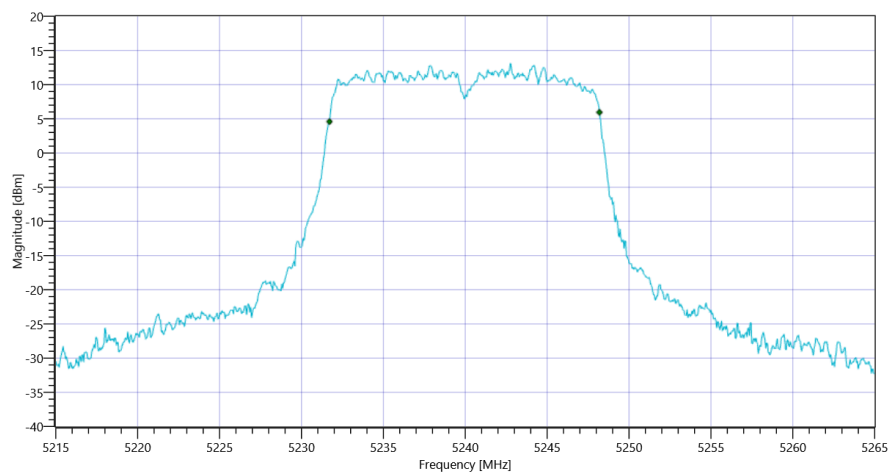
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 25.42   11.32   30    |
| Start [MHz]   Stop [MHz]                             | 5215.000   5265.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

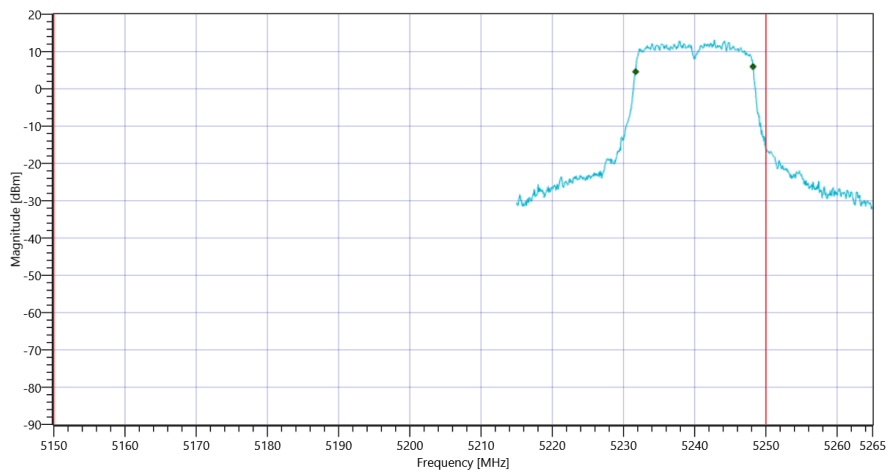
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 16.484    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5231.7083 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5248.1918 | MHz  | PASS    |

### Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 99PCT

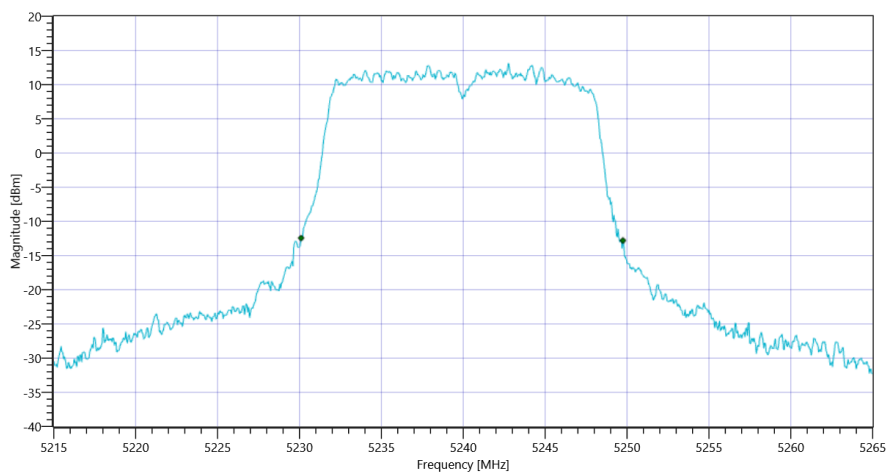
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

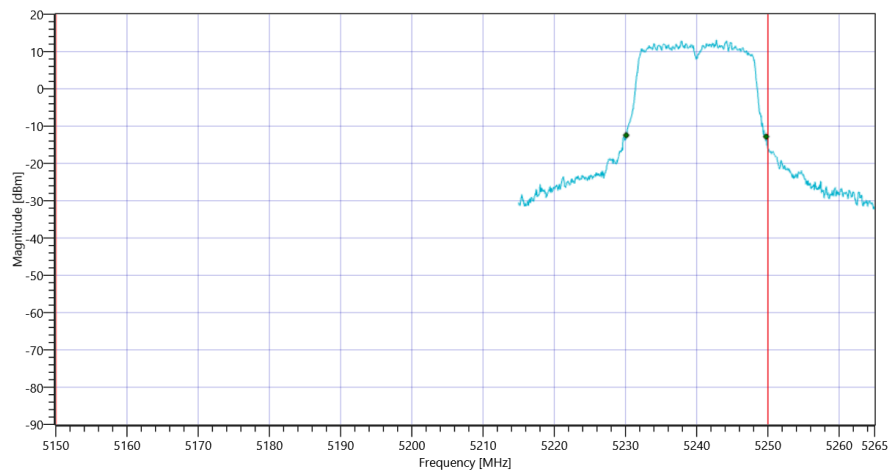
| RESULT           |             |             |           |      |         |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
| Bandwidth 20dB   | ---         | ---         | 19.65     | MHz  | INFO    |
| T1 26dB          | 5150.000000 | ---         | 5230.1000 | MHz  | PASS    |
| T2 26dB          | ---         | 5250.000000 | 5249.7500 | MHz  | PASS    |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 & ISED Bandwidths ~ WLAN5Gx a mode U-NII-1

| Test References                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC Start                          | 04.04.2022 10:43:57                              |
| Ambit Temp [°C]   Humidity [rel%] | 23.4   21                                        |
| System Version                    | 3.0.6.0                                          |
| Test Specification                | FCC Part 15.407 & ISET RSS-GEN                   |
| Test Method                       | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version                        | 0.0.1                                            |
| My Description                    | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-1   |
| Add. Information                  |                                                  |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | True   Freq [MHz] 5200                 |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5200 MHz

### RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 18.64    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5203.200 | MHz  | INFO    |

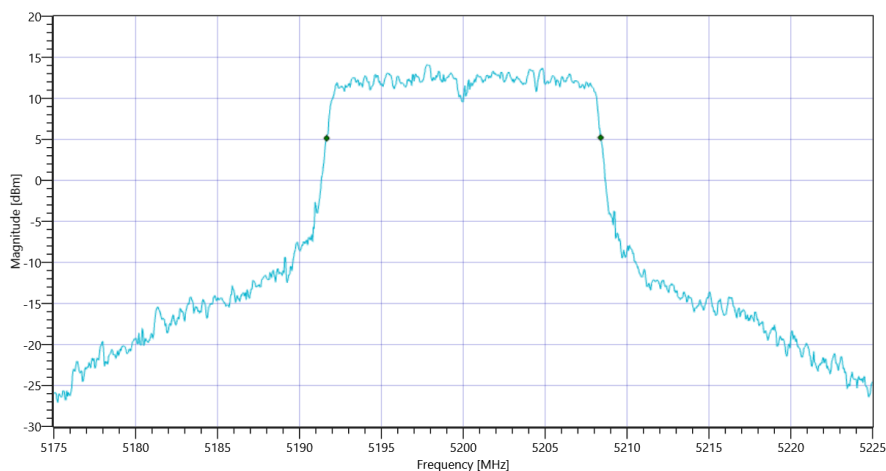
### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 26.64   11.27   35    |
| Start [MHz]   Stop [MHz]                             | 5175.000   5225.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 1   2500   1001   SWE |

### RESULT

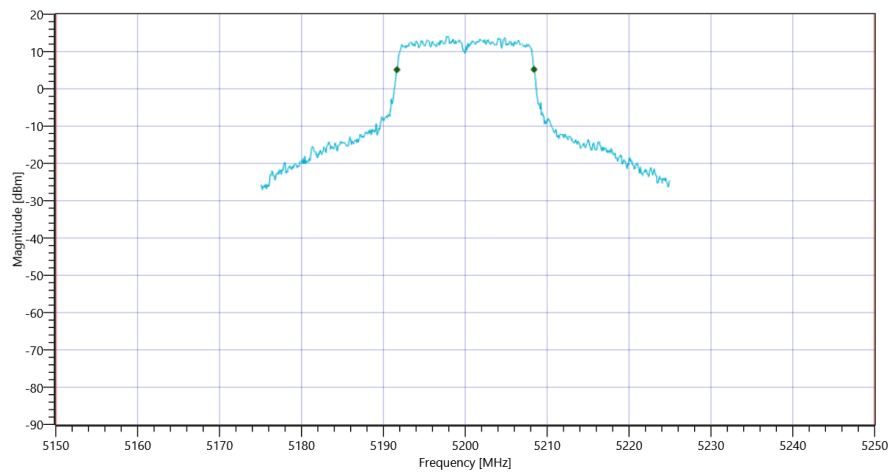
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99%    | ---         | ---         | 16.733    | MHz  | INFO    |
| T1 99%           | 5150.000000 | ---         | 5191.6583 | MHz  | PASS    |
| T2 99%           | ---         | 5250.000000 | 5208.3916 | MHz  | PASS    |

### Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 99PCT

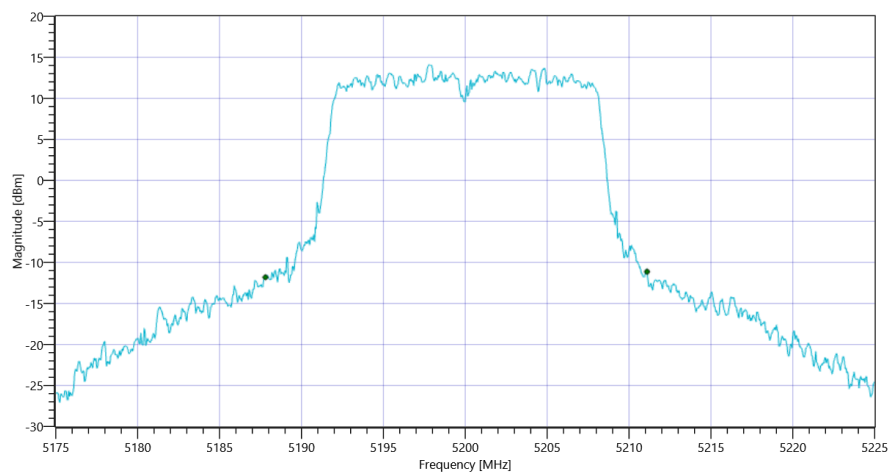
### Plot: Bandwidth within Band



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1

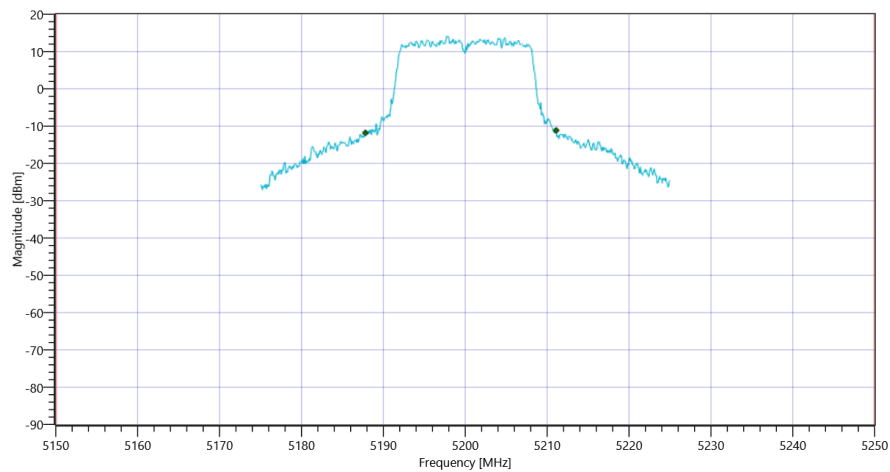
| RESULT           |             |             |           |      |         |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
| Bandwidth 20dB   | ---         | ---         | 23.3      | MHz  | INFO    |
| T1 26dB          | 5150.000000 | ---         | 5187.8000 | MHz  | PASS    |
| T2 26dB          | ---         | 5250.000000 | 5211.1000 | MHz  | PASS    |

Plot: Bandwidth only



FCC Part 15.407 & ISSED Bandwidths ~ WLAN5Gx a mode U-NII-1 26dB

Plot: Bandwidth within Band



FCC Part 15.407 & ISM Bandwidths ~ WLAN5Gx a mode U-NII-1

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A

### Test References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC Start                          | 04.04.2022 12:52:59                                         |
| Ambit Temp [°C]   Humidity [rel%] | 26.2   18                                                   |
| System Version                    | 3.0.6.0                                                     |
| Test Specification                | FCC Part 15.407                                             |
| Test Method                       | KDB789033 D02, F., E.2.e.                                   |
| TC Version                        | 0.0.1                                                       |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Add. Information                  |                                                             |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5300                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5300 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 13.11    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5295.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

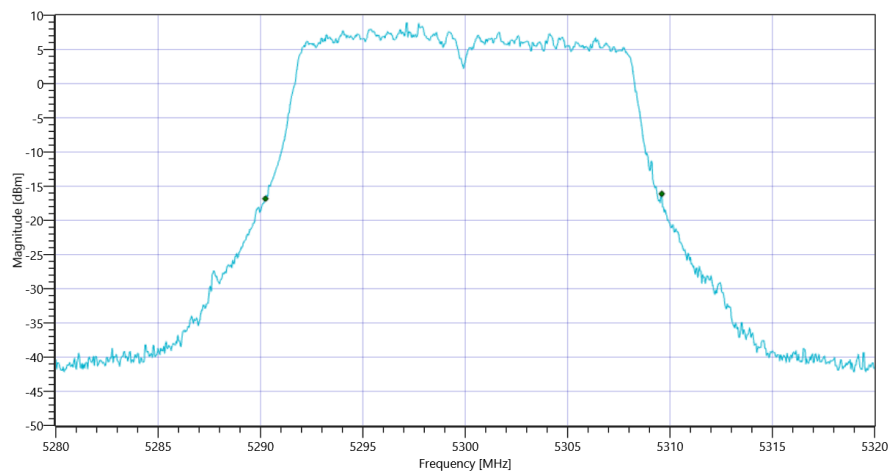
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 19.36     | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5290.2400 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5309.6000 | MHz  | INFO    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A\_BW

## Maximum Output Power

READ SA SETTINGS:

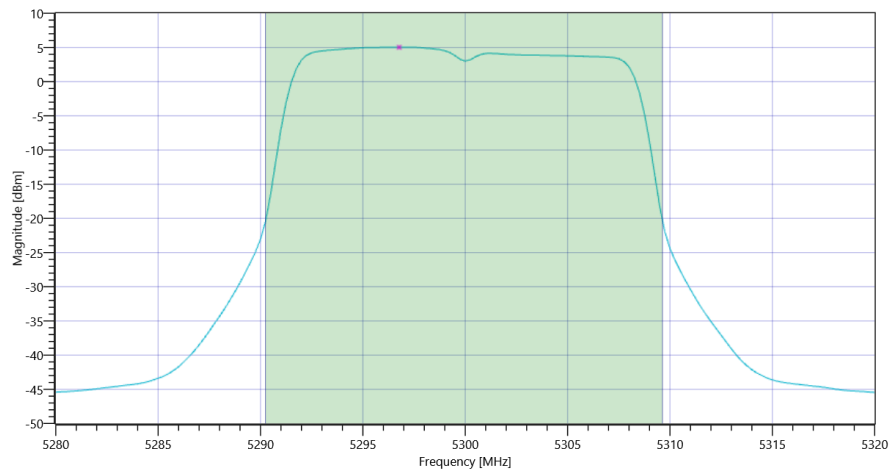
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 25.11   11.32   30    |
| Start [MHz]   Stop [MHz]                             | 5280.000   5320.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 16.15    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power<br>DC corrected    | ---         | 24          | 16.15    | dBm  | PASS    |
| Limit by: 11 dBm + 10 log Bandwidth |             |             |          |      |         |
| Max Output Power<br>DC corrected    | ---         | 23.87       | 16.15    | dBm  | PASS    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 5.03     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 11          | 5.03     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A

### Test References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC Start                          | 04.04.2022 12:50:23                                         |
| Ambit Temp [°C]   Humidity [rel%] | 25.8   18                                                   |
| System Version                    | 3.0.6.0                                                     |
| Test Specification                | FCC Part 15.407                                             |
| Test Method                       | KDB789033 D02, F., E.2.e.                                   |
| TC Version                        | 0.0.1                                                       |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Add. Information                  |                                                             |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2A                |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5300                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5260 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.65    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5257.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

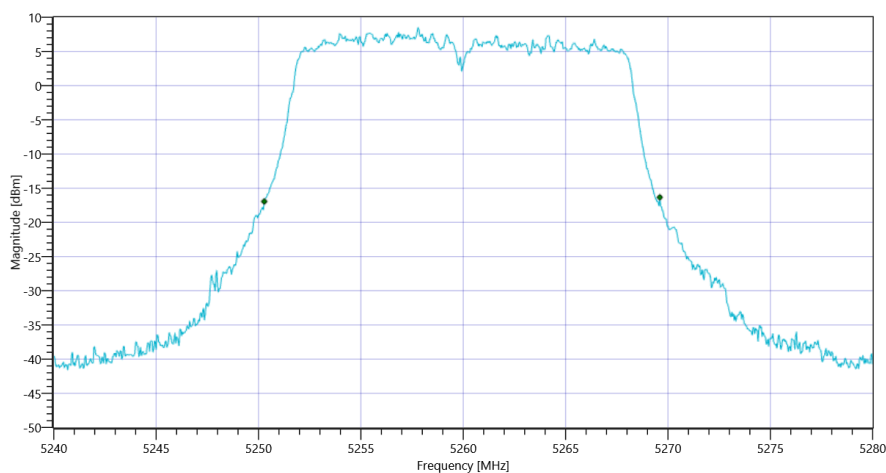
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 19.32     | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5250.2800 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5269.6000 | MHz  | INFO    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A\_BW

## Maximum Output Power

READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 24.65   11.33   30    |
| Start [MHz]   Stop [MHz]                             | 5240.000   5280.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

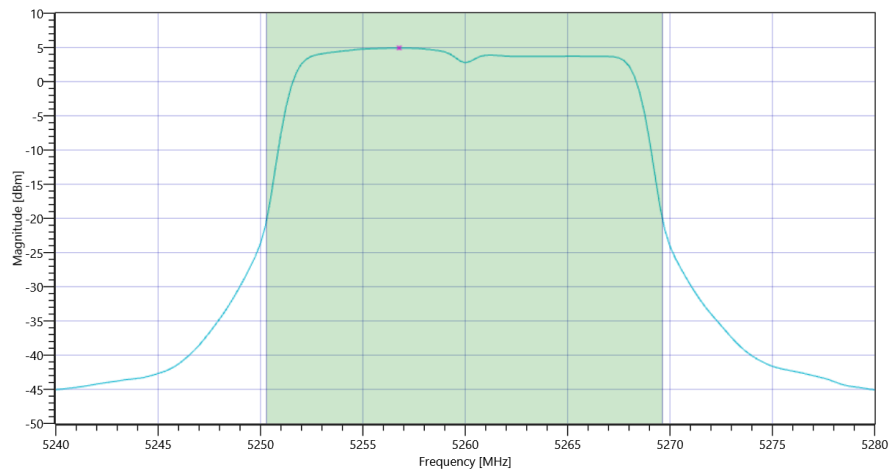
| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 15.97    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                 | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|----------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power<br>DC corrected | ---         | 24          | 15.97    | dBm  | PASS    |

Limit by: 11 dBm + 10 log Bandwidth

|                                  |     |       |       |     |      |
|----------------------------------|-----|-------|-------|-----|------|
| Max Output Power<br>DC corrected | --- | 23.86 | 15.97 | dBm | PASS |
|----------------------------------|-----|-------|-------|-----|------|



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2A Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 4.92     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 11          | 4.92     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC Start                          | 04.04.2022 12:47:47                                        |
| Ambit Temp [°C]   Humidity [rel%] | 25.2   19                                                  |
| System Version                    | 3.0.6.0                                                    |
| Test Specification                | FCC Part 15.407                                            |
| Test Method                       | KDB789033 D02, F., E.2.e.                                  |
| TC Version                        | 0.0.1                                                      |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Add. Information                  |                                                            |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | True   Freq [MHz] 5240                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5240 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 17.06    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5243.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

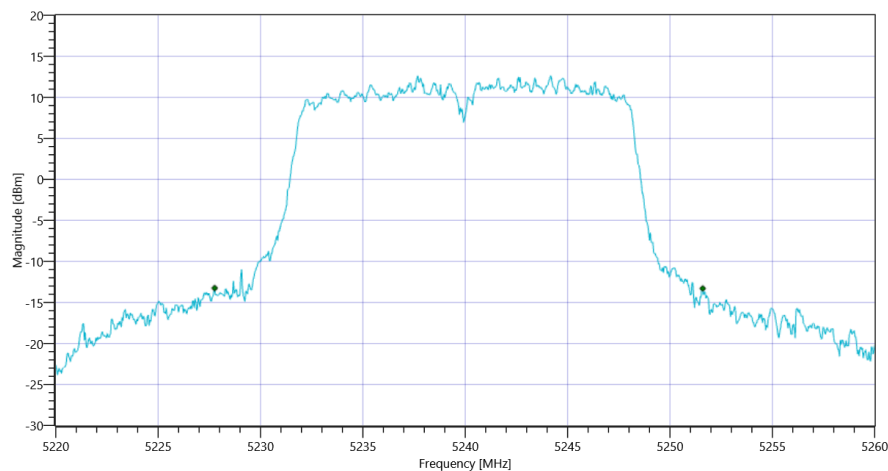
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 23.84     | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5227.7600 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5251.6000 | MHz  | INFO    |



## Maximum Output Power

READ SA SETTINGS:

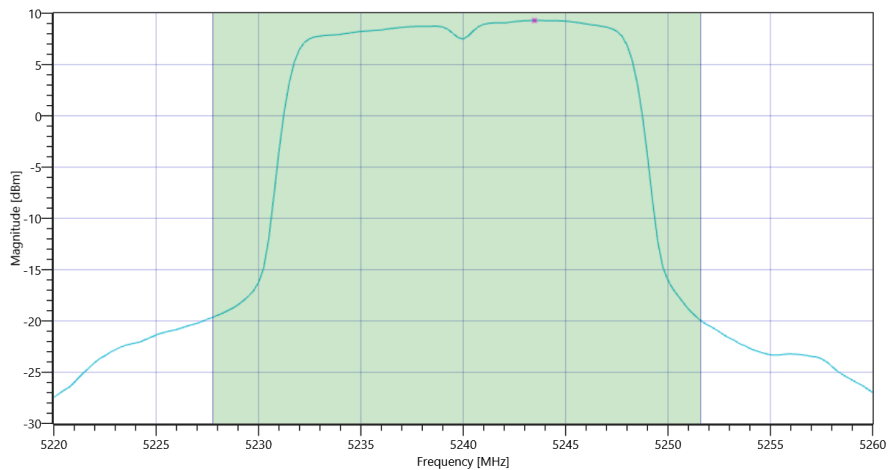
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 29.06   11.32   35    |
| Start [MHz]   Stop [MHz]                             | 5220.000   5260.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 20.49    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                    | Lower Limit | Upper Limit | Measured | Unit | Verdict        |
|-------------------------------------|-------------|-------------|----------|------|----------------|
| Max Output Power<br>DC corrected    | ---         | 30          | 20.49    | dBm  | PASS           |
| Limit by: 11 dBm + 10 log Bandwidth |             |             |          |      |                |
| Max Output Power<br>DC corrected    | ---         | 24.77       | 20.49    | dBm  | not applicable |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-1 Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 9.29     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 17          | 9.29     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-1

### Test References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC Start                          | 04.04.2022 12:45:04                                        |
| Ambit Temp [°C]   Humidity [rel%] | 25.1   18                                                  |
| System Version                    | 3.0.6.0                                                    |
| Test Specification                | FCC Part 15.407                                            |
| Test Method                       | KDB789033 D02, F., E.2.e.                                  |
| TC Version                        | 0.0.1                                                      |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Add. Information                  |                                                            |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-1                 |
| Antenna Port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5180                |
| Frequency mid to test                            | True   Freq [MHz] 5200                 |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5200 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 15.84    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5194.410 | MHz  | INFO    |

## Evaluation max. Duty Cycle

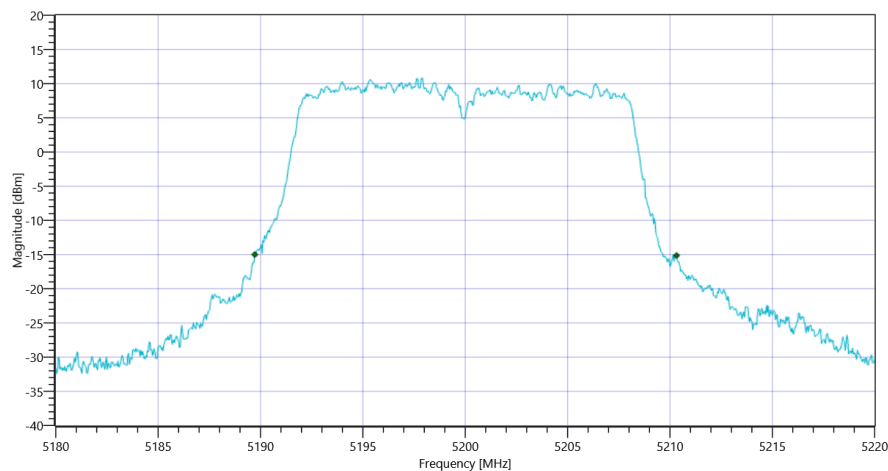
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 20.6      | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5189.7200 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5210.3200 | MHz  | INFO    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-1\_BW

## Maximum Output Power

READ SA SETTINGS:

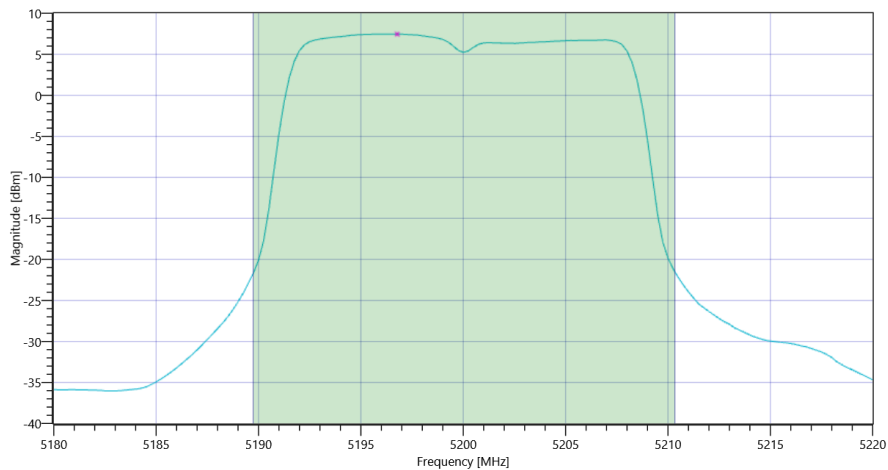
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 27.84   11.27   35    |
| Start [MHz]   Stop [MHz]                             | 5180.000   5220.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 18.68    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                    | Lower Limit | Upper Limit | Measured | Unit | Verdict        |
|-------------------------------------|-------------|-------------|----------|------|----------------|
| Max Output Power<br>DC corrected    | ---         | 30          | 18.68    | dBm  | PASS           |
| Limit by: 11 dBm + 10 log Bandwidth |             |             |          |      |                |
| Max Output Power<br>DC corrected    | ---         | 24.14       | 18.68    | dBm  | not applicable |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-1 Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 7.46     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 17          | 7.46     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

| Test References                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC Start                          | 04.04.2022 11:04:31                                         |
| Ambit Temp [°C]   Humidity [rel%] | 25.2   18                                                   |
| System Version                    | 3.0.6.0                                                     |
| Test Specification                | FCC Part 15.407                                             |
| Test Method                       | KDB789033 D02, F., E.2.e.                                   |
| TC Version                        | 0.0.1                                                       |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Add. Information                  |                                                             |

| EUT Common Settings WLAN5Gx |           |
|-----------------------------|-----------|
| Number of Antenna Ports     | 4         |
| User Interaction            | No        |
| Device Class UNII_1         | AP indoor |

| Test Parameter                                   |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | True   Freq [MHz] 5700                 |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment                                                |  |
|---------------------------------------------------------------|--|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |  |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |  |

## Test at TX 5700 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 12.30    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5702.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

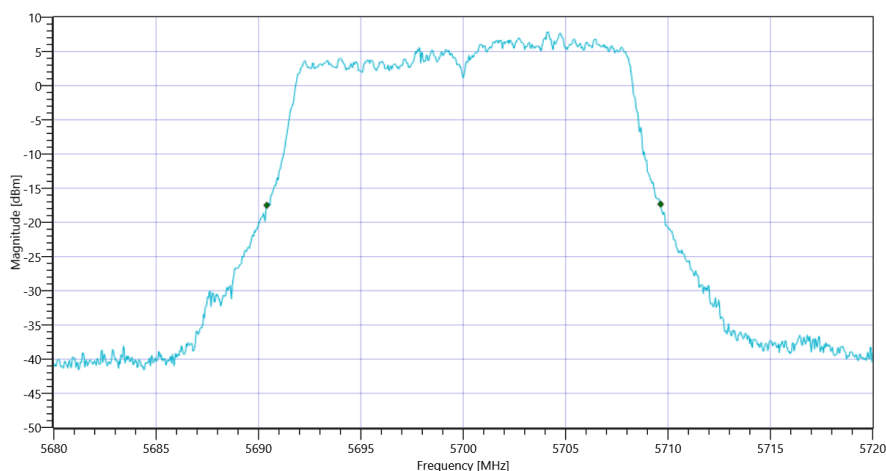
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 19.24     | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5690.4000 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5709.6400 | MHz  | INFO    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C\_BW

## Maximum Output Power

READ SA SETTINGS:

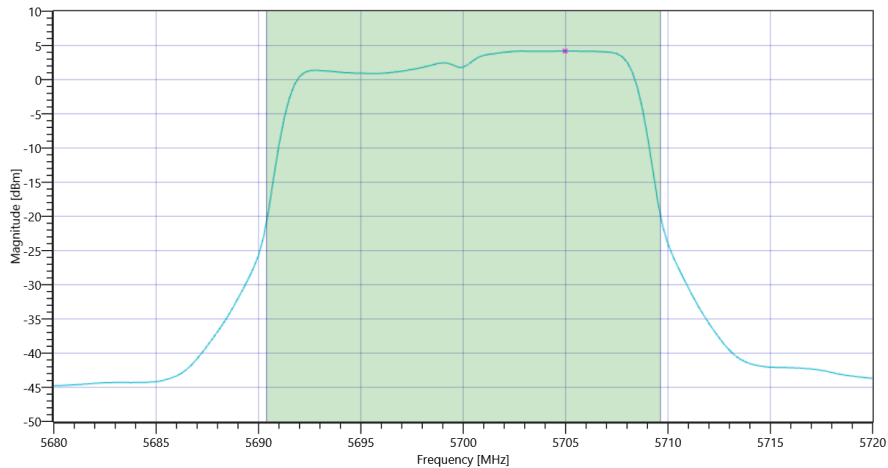
|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 24.30   11.14   30    |
| Start [MHz]   Stop [MHz]                             | 5680.000   5720.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 14.77    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                    | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power<br>DC corrected    | ---         | 24          | 14.77    | dBm  | PASS    |
| Limit by: 11 dBm + 10 log Bandwidth |             |             |          |      |         |
| Max Output Power<br>DC corrected    | ---         | 23.84       | 14.77    | dBm  | PASS    |



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 4.18     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 11          | 4.18     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC Start                          | 04.04.2022 10:57:57                                         |
| Ambit Temp [°C]   Humidity [rel%] | 25.3   19                                                   |
| System Version                    | 3.0.6.0                                                     |
| Test Specification                | FCC Part 15.407                                             |
| Test Method                       | KDB789033 D02, F., E.2.e.                                   |
| TC Version                        | 0.0.1                                                       |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Add. Information                  |                                                             |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5500                |
| Frequency mid to test                            | True   Freq [MHz] 5600                 |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

| Test Description              | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 10.92    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5594.410 | MHz  | INFO    |

## Evaluation max. Duty Cycle

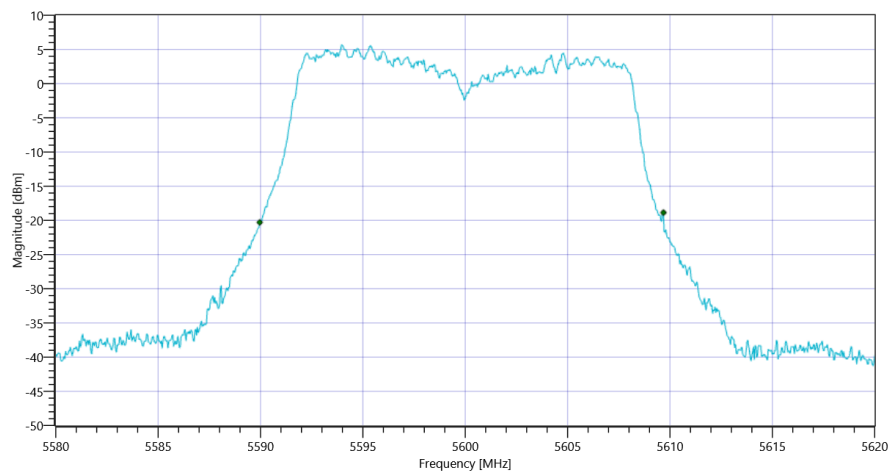
Duty Cycle evaluation

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict          |
|------------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min   | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth

RESULT

| Test Description | Lower Limit | Upper Limit | Measured  | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB   | ---         | ---         | 19.72     | MHz  | INFO    |
| T1 26dB          | ---         | ---         | 5589.9600 | MHz  | INFO    |
| T2 26dB          | ---         | ---         | 5609.6800 | MHz  | INFO    |



## Maximum Output Power

READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 22.92   11.16   30    |
| Start [MHz]   Stop [MHz]                             | 5580.000   5620.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: Time [ms]   Count   Points per Section   Type | 53700   1   161   SWE |

RESULT

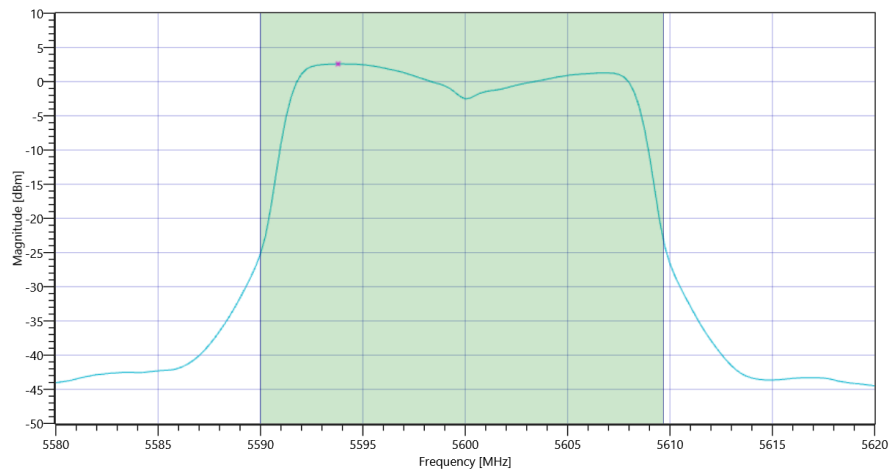
| Test Description         | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|--------------------------|-------------|-------------|----------|------|---------|
| Max Output Power         | ---         | ---         | 12.86    | dBm  | INFO    |
| Duty Cycle<br>Correction | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute           |             |             |          |      |         |

## RESULT

| Test Description                 | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|----------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power<br>DC corrected | ---         | 24          | 12.86    | dBm  | PASS    |

Limit by: 11 dBm + 10 log Bandwidth

|                                  |     |       |       |     |      |
|----------------------------------|-----|-------|-------|-----|------|
| Max Output Power<br>DC corrected | --- | 23.95 | 12.86 | dBm | PASS |
|----------------------------------|-----|-------|-------|-----|------|



FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C Max OP and PSD

## Power Spectral Density

### RESULT

| Test Description                          | Lower Limit | Upper Limit | Measured | Unit     | Verdict |
|-------------------------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral<br>Density                 | ---         | ---         | 2.58     | dBm/1MHz | INFO    |
| Duty Cycle<br>Correction                  | ---         | ---         | 0        | dB       | INFO    |
| Power Spectral<br>Density DC<br>corrected | ---         | 11          | 2.58     | dBm/1MHz | PASS    |

General verdict

PASS

## FCC Part 15.407 Max Output Power and PSD ~ WLAN5Gx a mode U-NII-2C

### Test References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC Start                          | 04.04.2022 10:55:22                                         |
| Ambit Temp [°C]   Humidity [rel%] | 25.0   19                                                   |
| System Version                    | 3.0.6.0                                                     |
| Test Specification                | FCC Part 15.407                                             |
| Test Method                       | KDB789033 D02, F., E.2.e.                                   |
| TC Version                        | 0.0.1                                                       |
| My Description                    | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Add. Information                  |                                                             |

### EUT Common Settings WLAN5Gx

|                         |           |
|-------------------------|-----------|
| Number of Antenna Ports | 4         |
| User Interaction        | No        |
| Device Class UNII_1     | AP indoor |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode U-NII-2C                |
| Antenna Port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5500                 |
| Frequency mid to test                            | False   Freq [MHz] 5600                |
| Frequency high to test                           | False   Freq [MHz] 5700                |
| Auto Control enabled Power Supply   Climatic Box | No   No                                |
| Additional Path Loss [dB]                        | 0.5                                    |
| Switched Path                                    | EUT - SignalingUnit - SpectrumAnalyzer |

### Test Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,29655273,NI            |