

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5470.000000 | ---         | 5689.7000 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB     | ---         | 5725.000000 | 5711.6500 | MHz  |                                 |

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC start                          | 07.09.2023 12:49:26                              |
| Ambit temp [°C]   humidity [rel%] | 26.6   48                                        |
| System version                    | 4.6.1.2                                          |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                     |
| Method                            | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| Description                       | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Information                       |                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                         |
|--------------------------------------------------|-------------------------|
| Technology to test                               | WLAN5Gx a mode          |
| 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]                        | 0.7                     |
| Switched path                                    | None                    |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
|---------------------------------------------------------------|

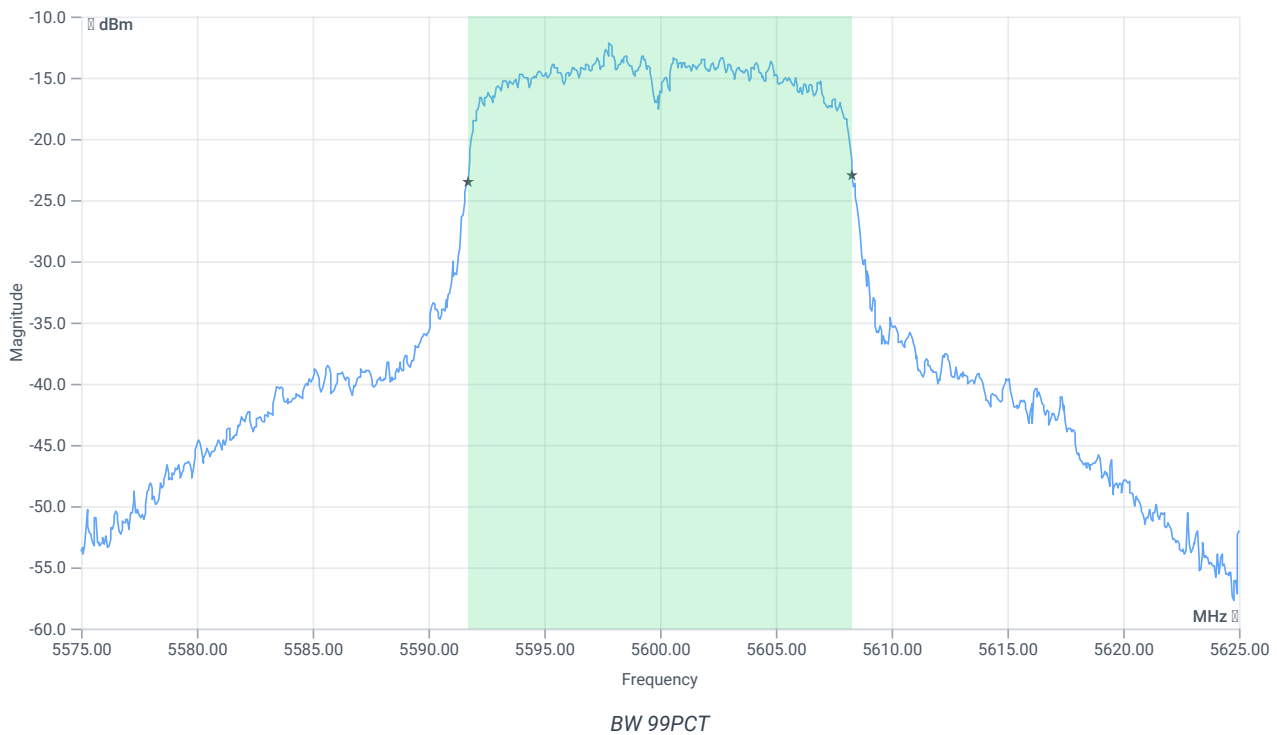
## Test at TX 5600 MHz

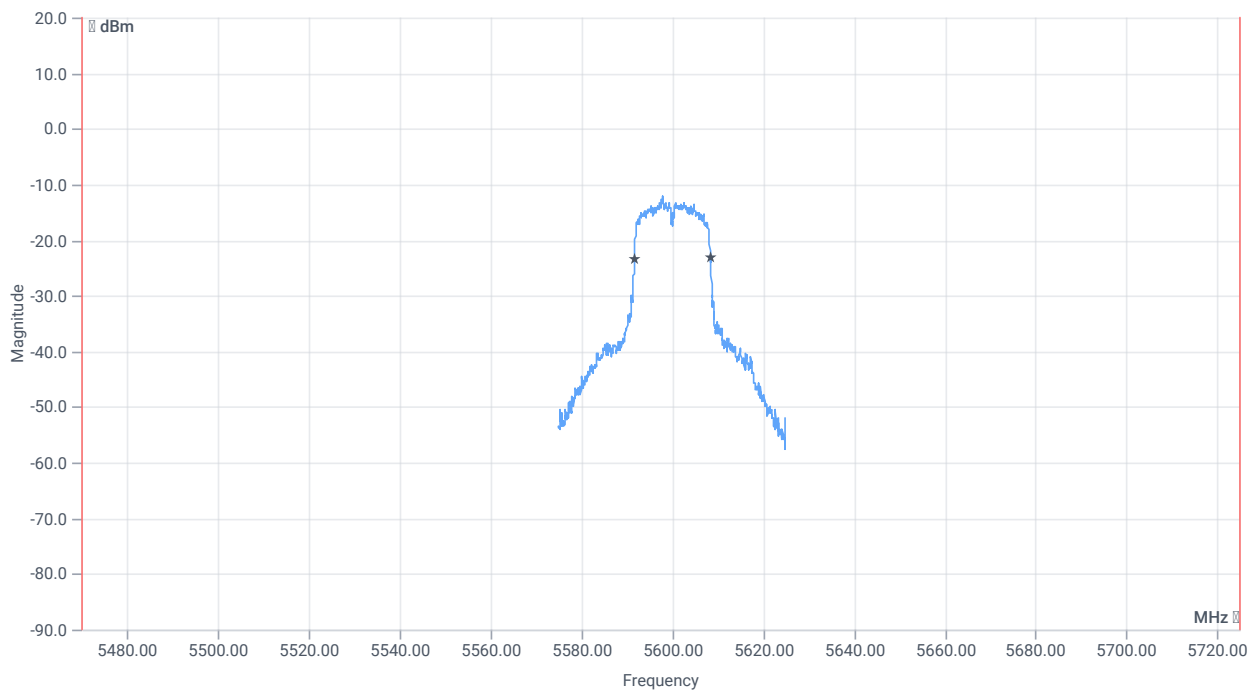
RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -8.05    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5602.200 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.05   0.7   15      |
| 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 |

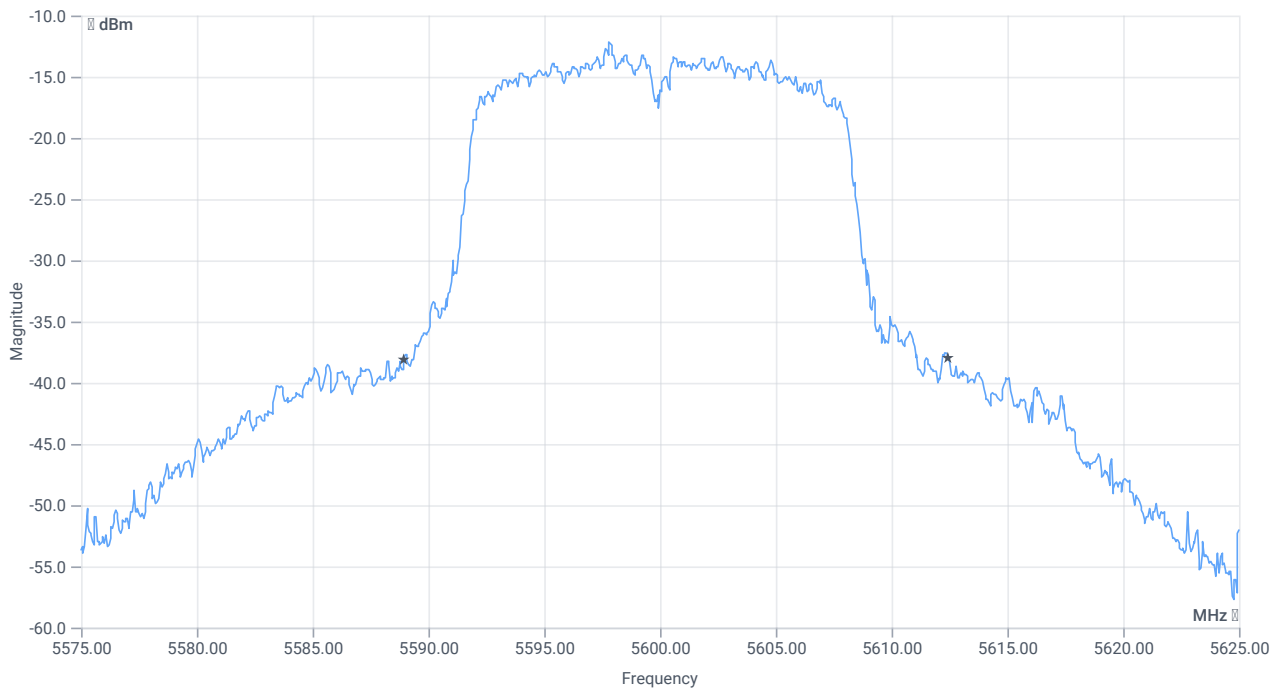




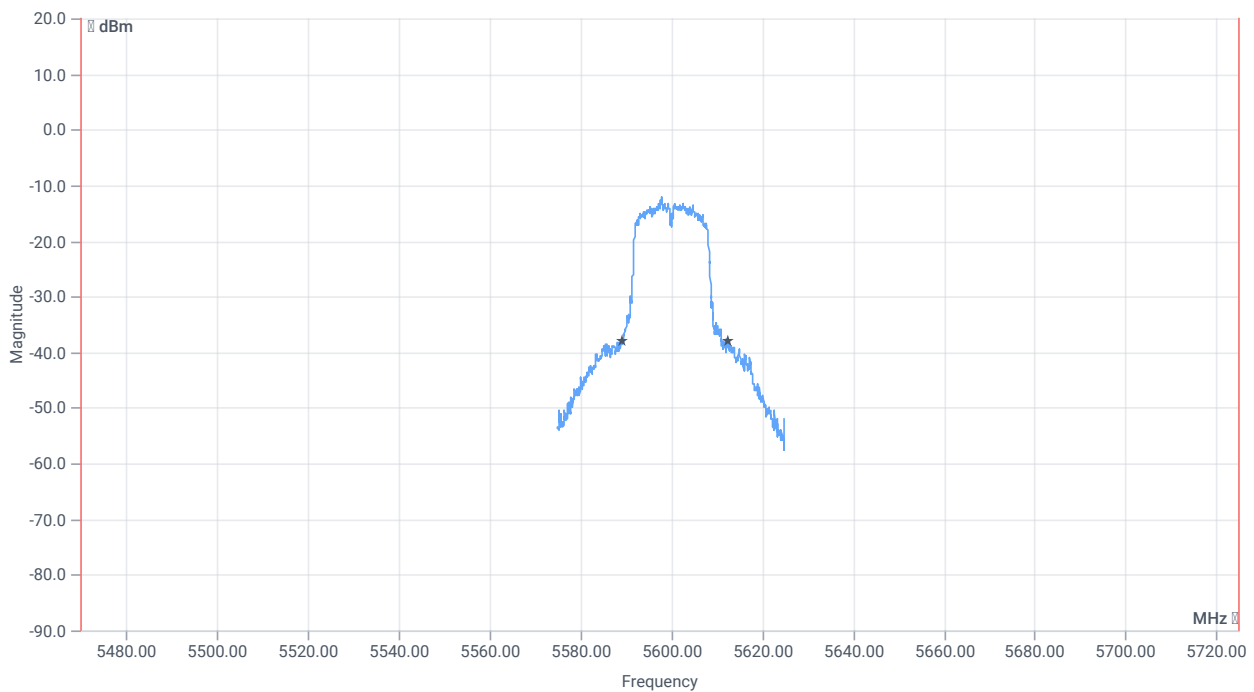
*BW within Band 99PCT*

## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|---------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | ---         | ---         | 16.583    | MHz  | INFO                            |
| T1 99%        | 5470.000000 | ---         | 5591.7083 | MHz  | PASS since U-NII-3 is supported |
| T2 99%        | ---         | 5725.000000 | 5608.2917 | MHz  |                                 |



*BW 26dB*



*BW within Band 26dB*

## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|----------------|-------------|-------------|----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 23.5     | MHz  | INFO    |

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5470.000000 | ---         | 5588.9500 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB     | ---         | 5725.000000 | 5612.4500 | MHz  |                                 |

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC start                          | 07.09.2023 12:44:25                              |
| Ambit temp [°C]   humidity [rel%] | 26.5   48                                        |
| System version                    | 4.6.1.2                                          |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                     |
| Method                            | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| Description                       | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C  |
| Information                       |                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                         |
|--------------------------------------------------|-------------------------|
| Technology to test                               | WLAN5Gx a mode          |
| 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]                        | 0.7                     |
| Switched path                                    | None                    |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
|---------------------------------------------------------------|

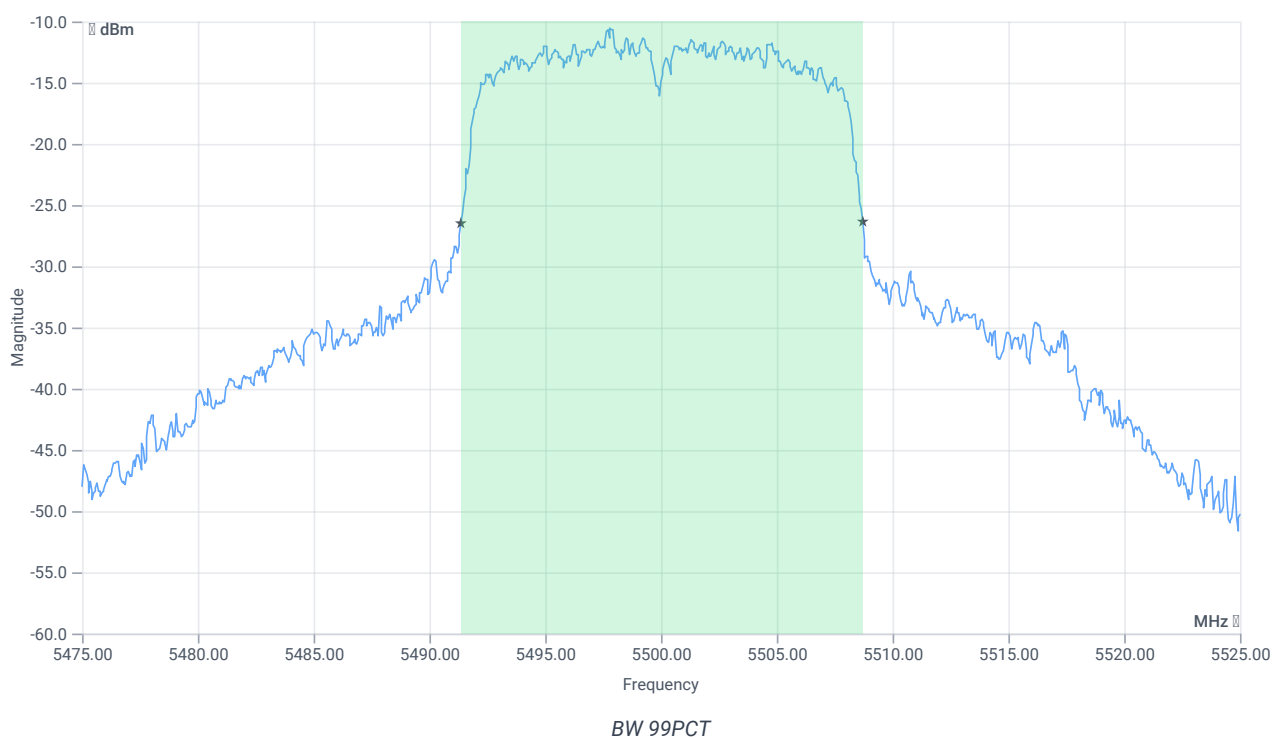
## Test at TX 5500 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.71    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5501.800 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.29   0.7   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 |



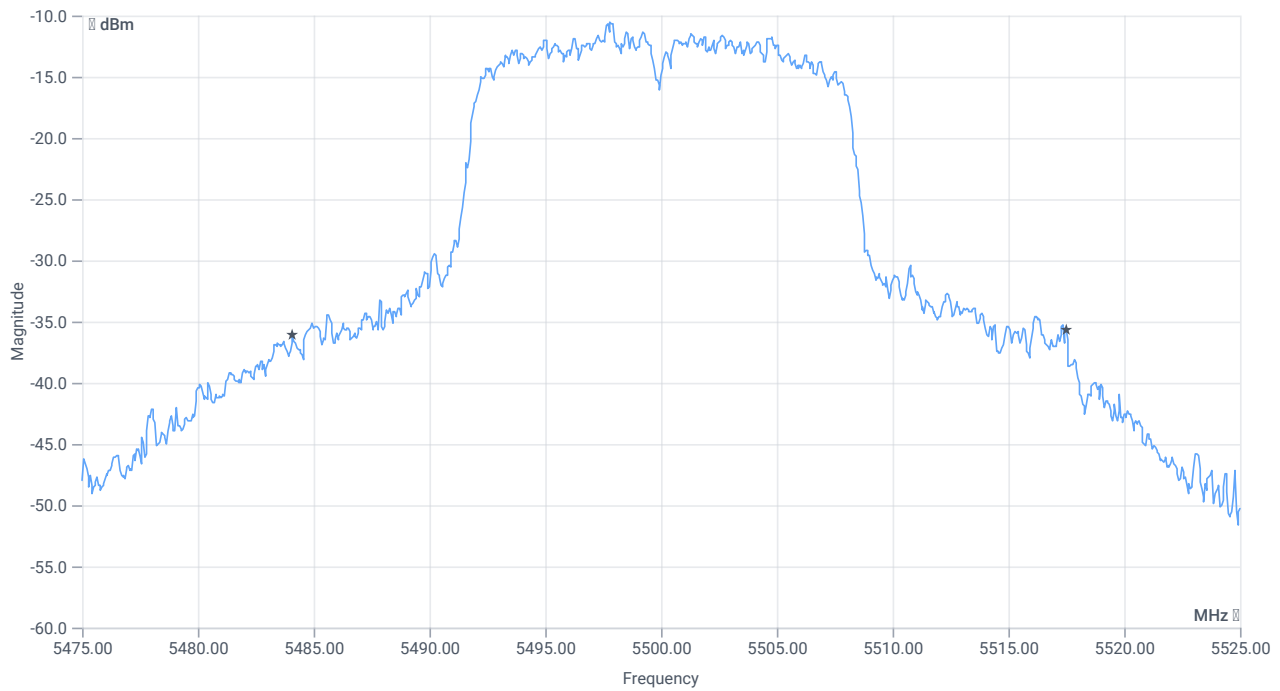




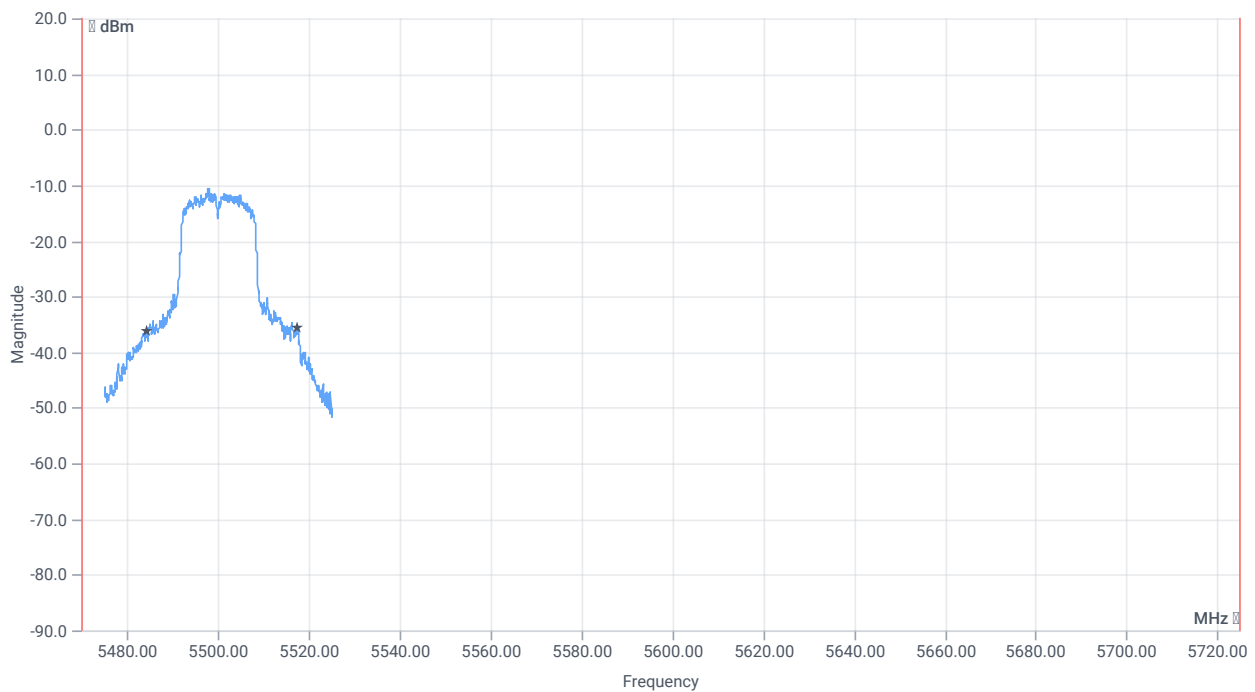
*BW within Band 99PCT*

## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|---------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | ---         | ---         | 17.333    | MHz  | INFO                            |
| T1 99%        | 5470.000000 | ---         | 5491.3586 | MHz  | PASS since U-NII-3 is supported |
| T2 99%        | ---         | 5725.000000 | 5508.6913 | MHz  |                                 |



BW 26dB



BW within Band 26dB

## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|----------------|-------------|-------------|----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 33.4     | MHz  | INFO    |

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5470.000000 | ---         | 5484.1000 | MHz  | PASS since U-NII-3 is supported |
| T2 26dB     | ---         | 5725.000000 | 5517.5000 | MHz  |                                 |

## Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC start                          | 07.09.2023 12:40:22                              |
| Ambit temp [°C]   humidity [rel%] | 26.4   48                                        |
| System version                    | 4.6.1.2                                          |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                     |
| Method                            | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| Description                       | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Information                       |                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                         |
|--------------------------------------------------|-------------------------|
| Technology to test                               | WLAN5Gx a mode          |
| Antenna port used                                | 1                       |
| Temperature                                      | nom                     |
| Voltage                                          | nom                     |
| Frequency low to test                            | False   Freq [MHz] 5260 |
| Frequency mid to test                            | False   Freq [MHz] 5280 |
| Frequency high to test                           | True   Freq [MHz] 5320  |
| Auto control enabled power supply   Climatic Box | No   No                 |
| Additional path loss [dB]                        | 0.7                     |
| Switched path                                    | None                    |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
|---------------------------------------------------------------|

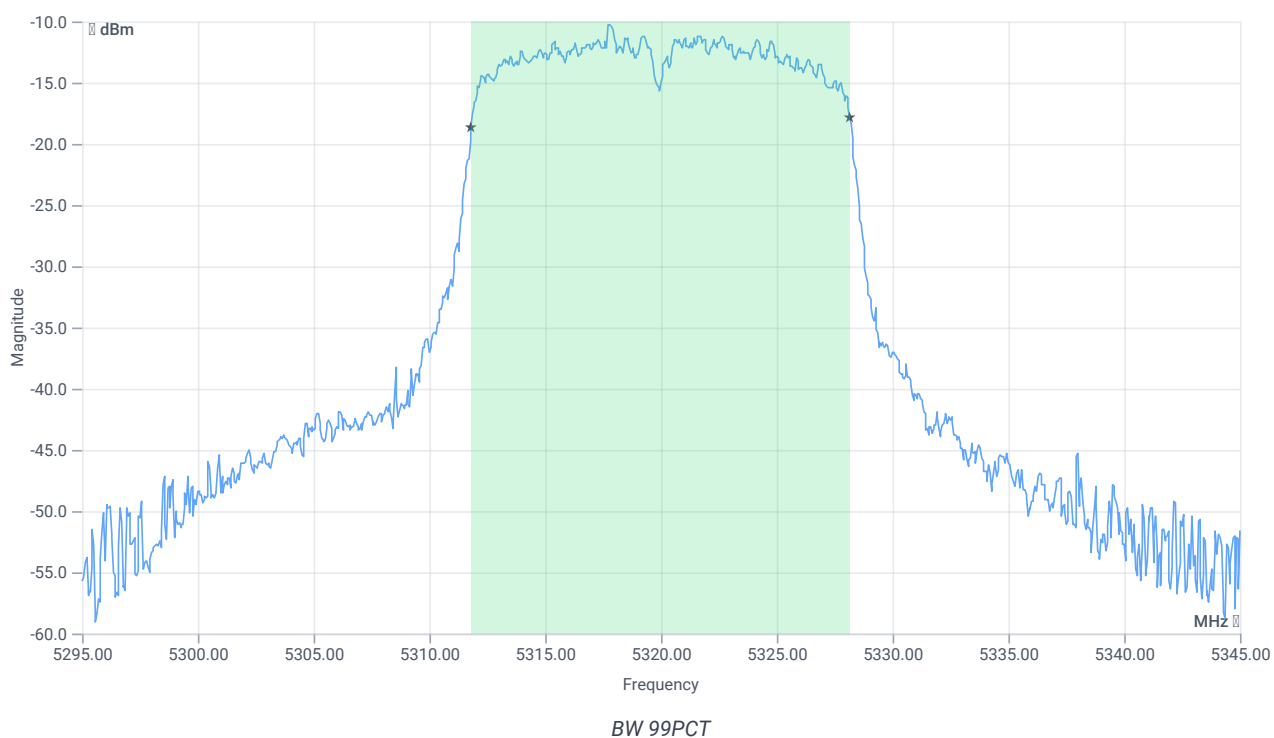
## Test at TX 5320 MHz

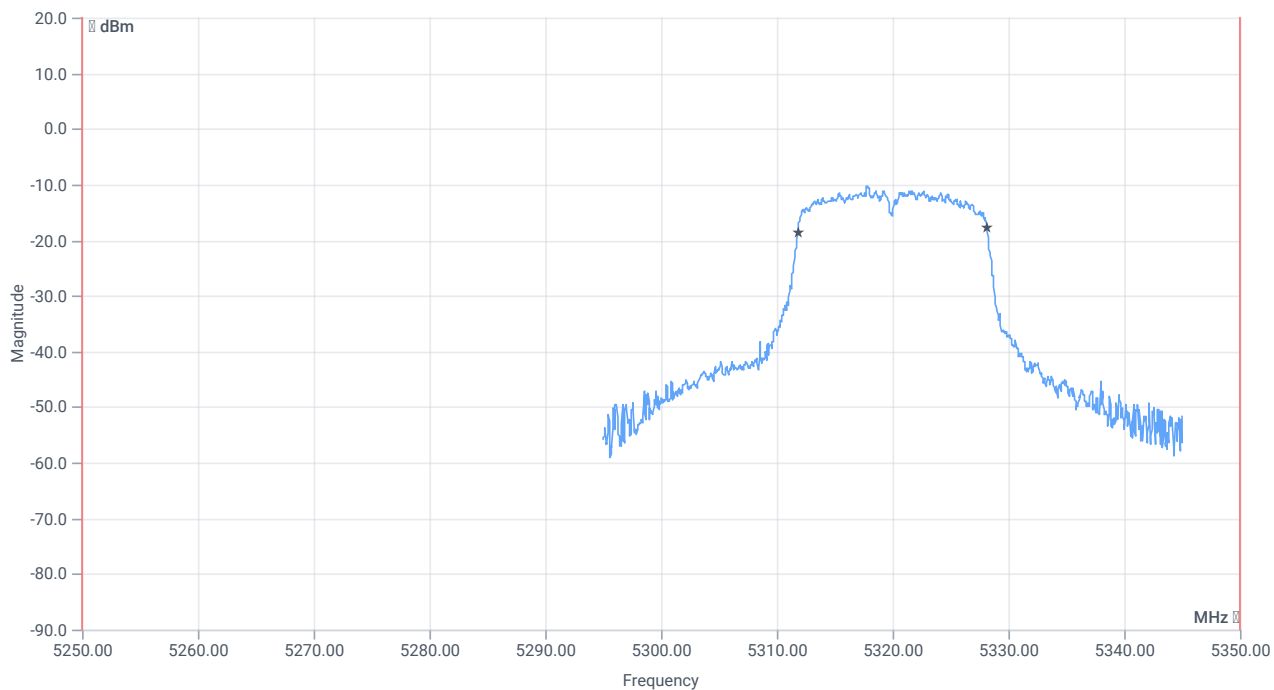
RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.00    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5322.200 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.00   0.7   20       |
| 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 |

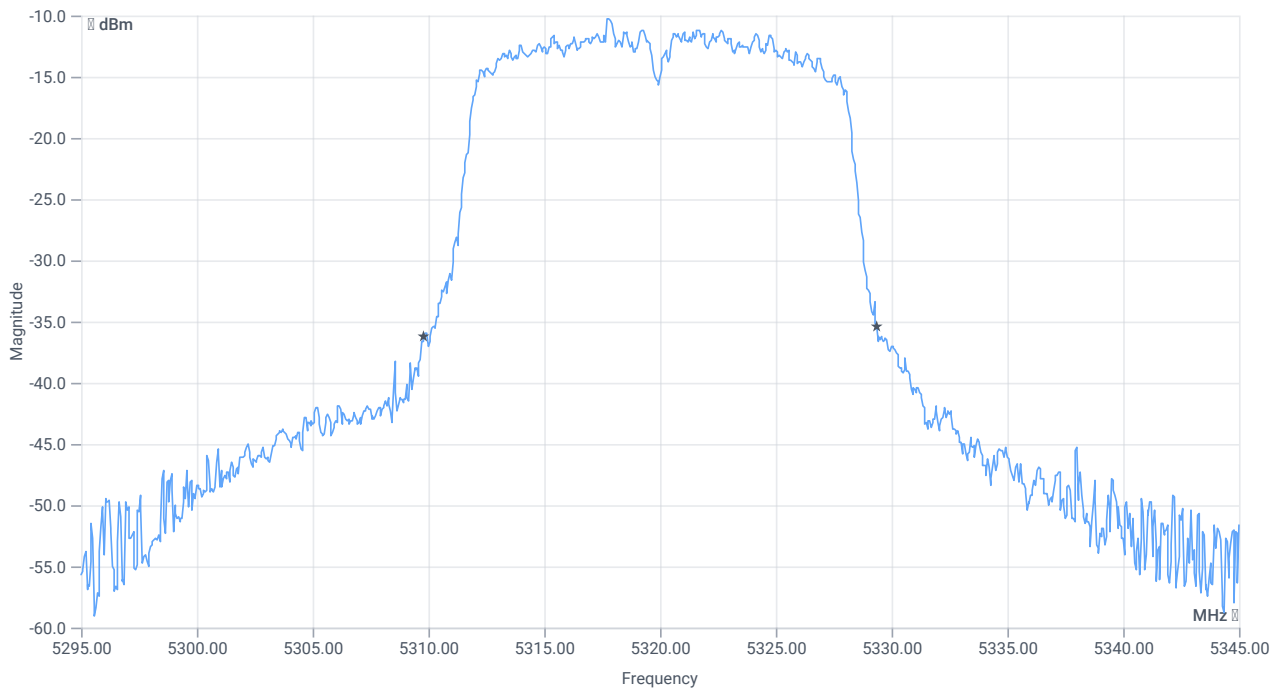




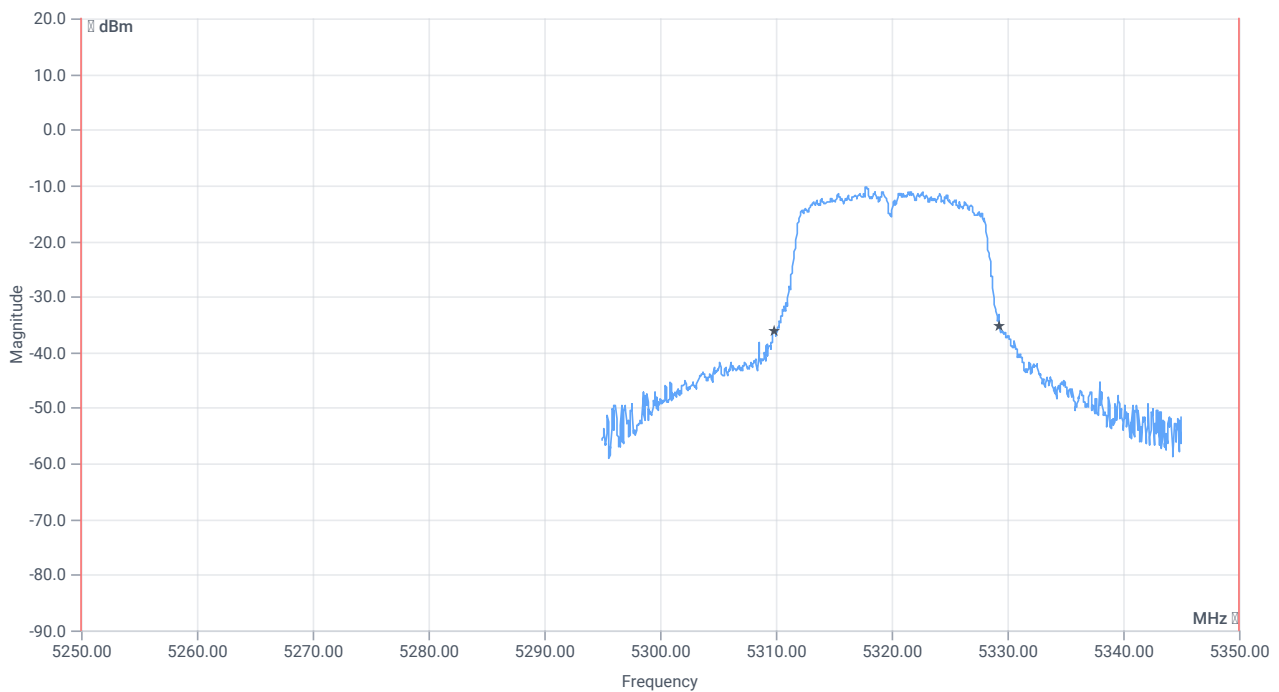
*BW within Band 99PCT*

## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|---------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | ---         | ---         | 16.334    | MHz  | INFO                            |
| T1 99%        | 5250.000000 | ---         | 5311.8082 | MHz  | PASS since U-NII-1 is supported |
| T2 99%        | ---         | 5350.000000 | 5328.1419 | MHz  | PASS                            |



BW 26dB



BW within Band 26dB

## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|----------------|-------------|-------------|----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.55    | MHz  | INFO    |

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5250.000000 | ---         | 5309.8000 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB     | ---         | 5350.000000 | 5329.3500 | MHz  | PASS                            |

## Verdict

PASS



## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC start                          | 07.09.2023 12:36:32                              |
| Ambit temp [°C]   humidity [rel%] | 26.3   48                                        |
| System version                    | 4.6.1.2                                          |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                     |
| Method                            | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| Description                       | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Information                       |                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                         |
|--------------------------------------------------|-------------------------|
| Technology to test                               | WLAN5Gx a mode          |
| Antenna port used                                | 1                       |
| Temperature                                      | nom                     |
| Voltage                                          | nom                     |
| Frequency low to test                            | False   Freq [MHz] 5260 |
| Frequency mid to test                            | True   Freq [MHz] 5280  |
| Frequency high to test                           | False   Freq [MHz] 5320 |
| Auto control enabled power supply   Climatic Box | No   No                 |
| Additional path loss [dB]                        | 0.7                     |
| Switched path                                    | None                    |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
|---------------------------------------------------------------|

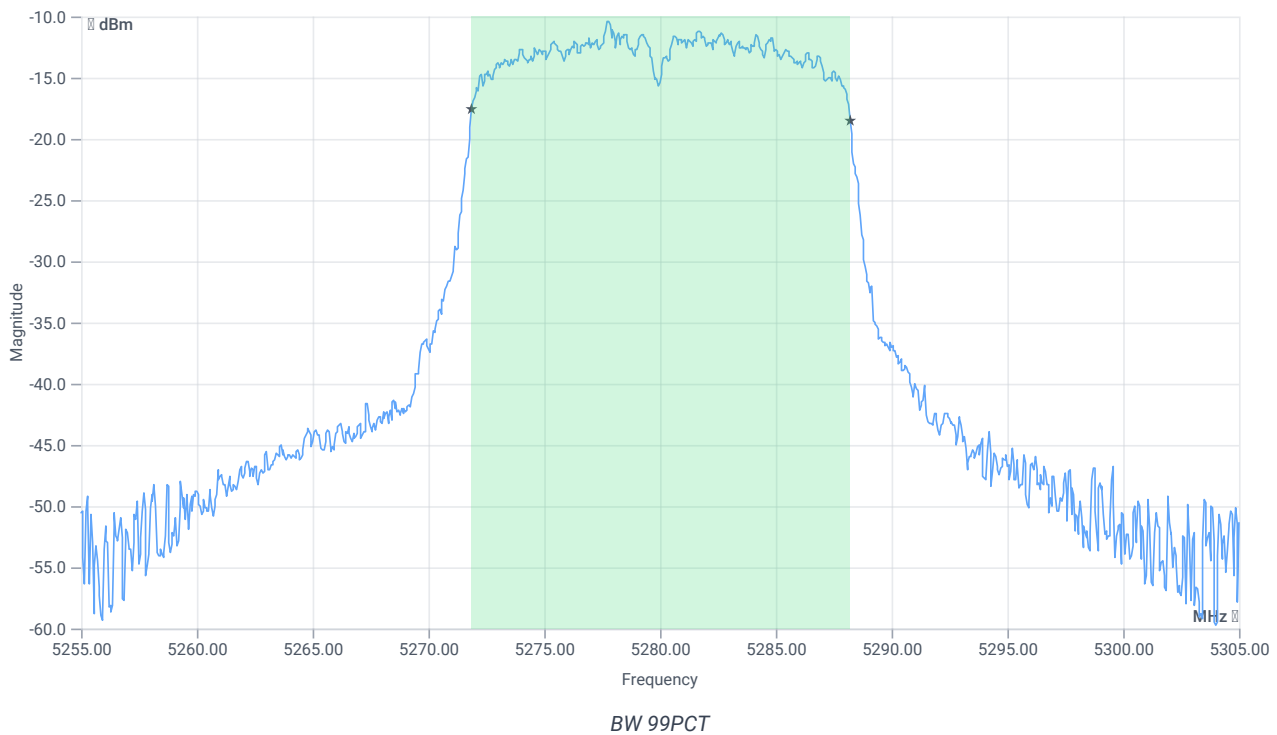
## Test at TX 5280 MHz

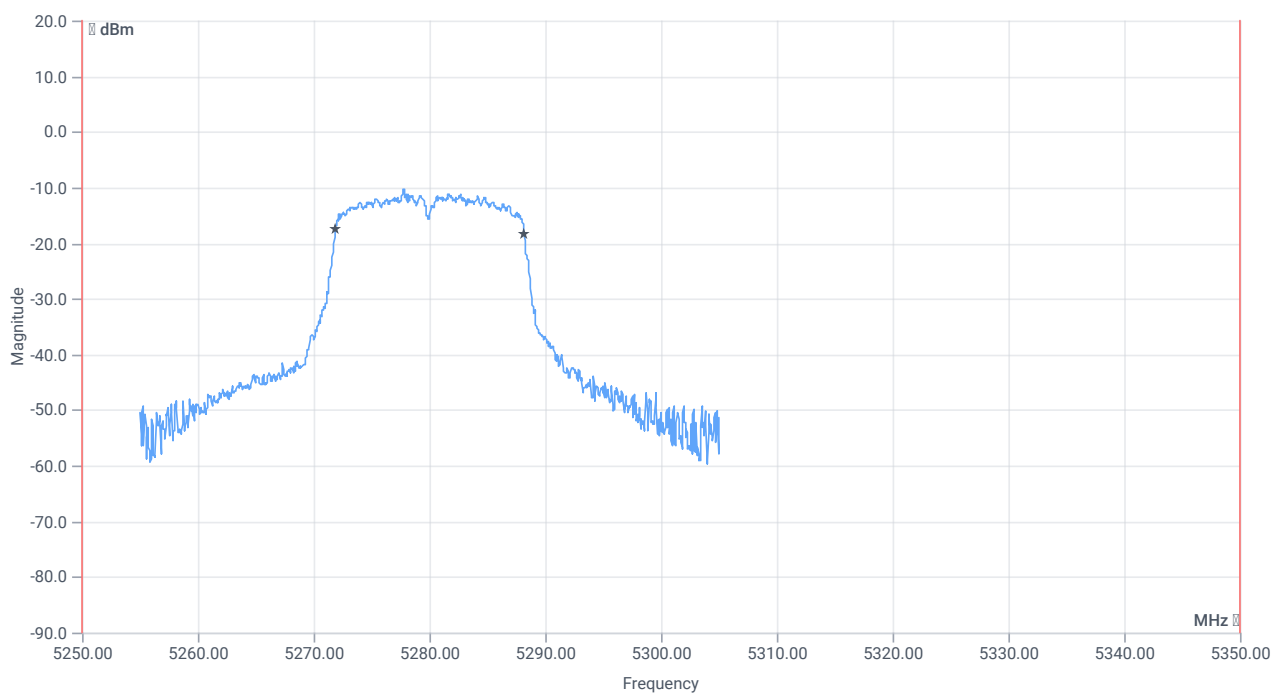
RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.24    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5278.800 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.76   0.7   20       |
| Start [MHz]   Stop [MHz]                             | 5255.000   5305.000   |
| RBW [MHz]   VBW [MHz]                                | 0.300000   1.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |

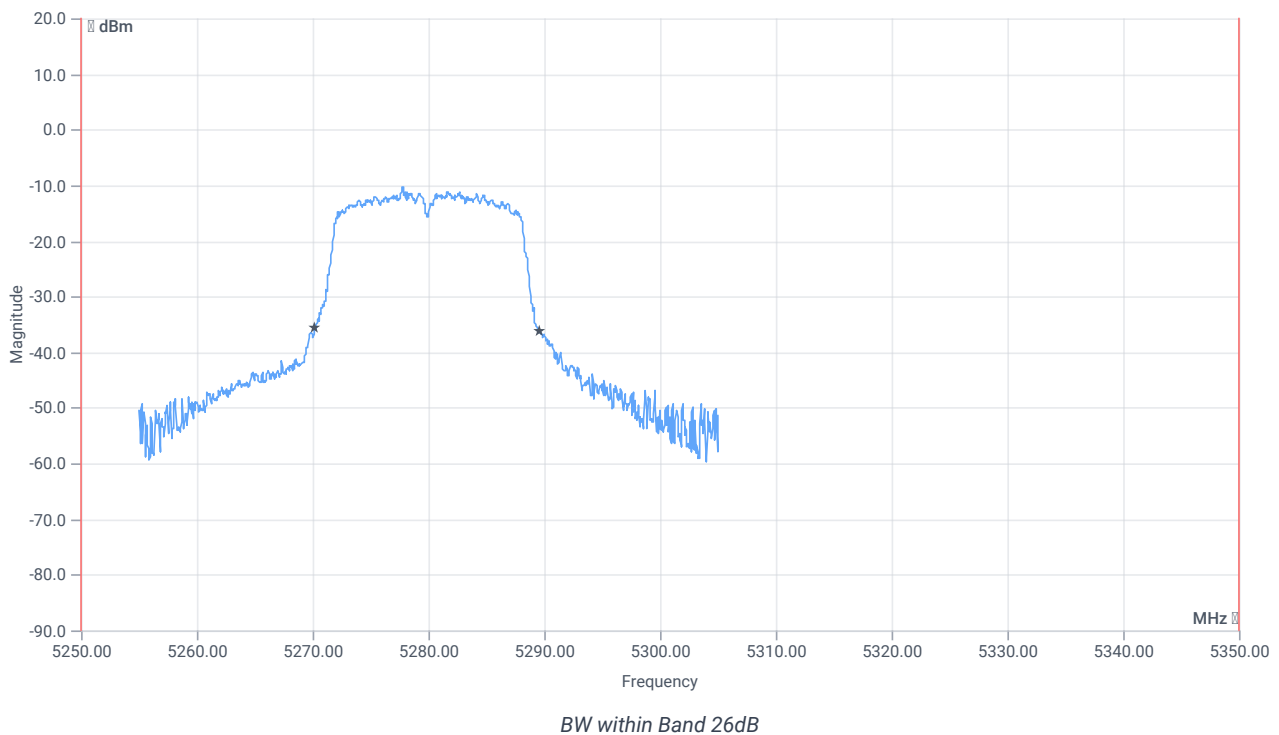
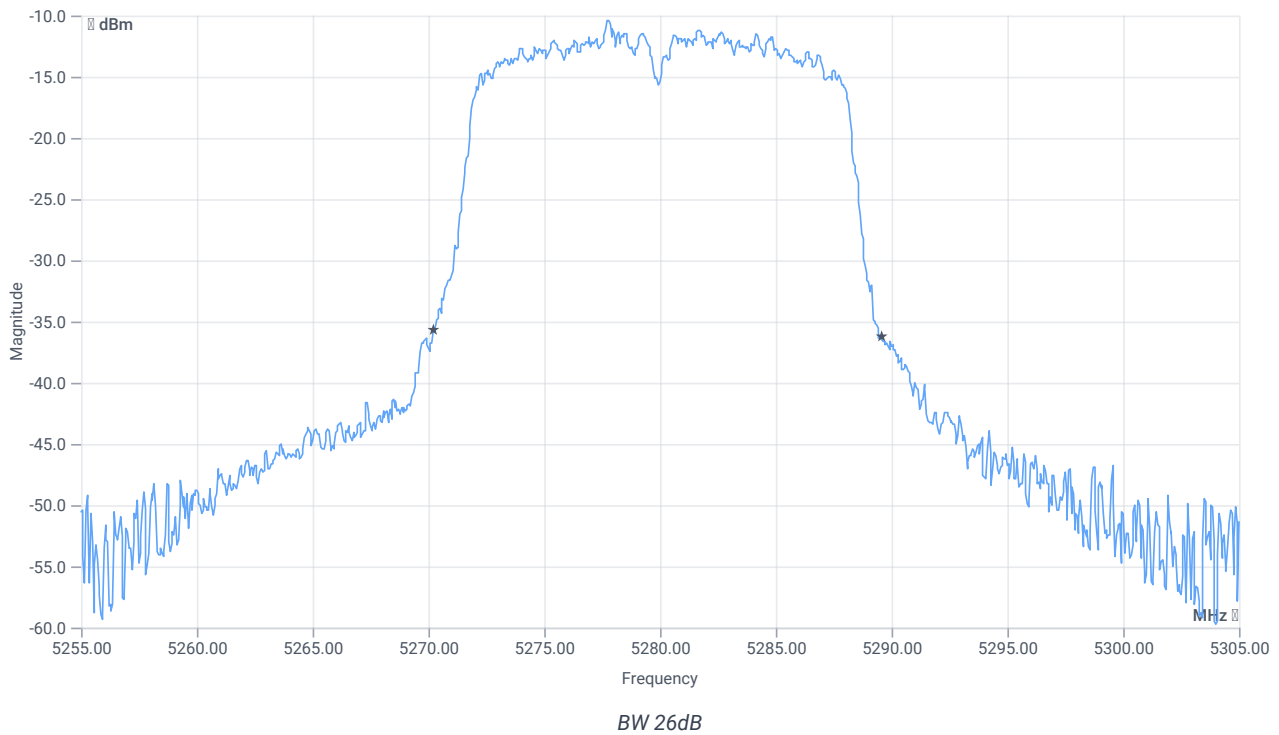




*BW within Band 99PCT*

## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|---------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | ---         | ---         | 16.334    | MHz  | INFO                            |
| T1 99%        | 5250.000000 | ---         | 5271.8581 | MHz  | PASS since U-NII-1 is supported |
| T2 99%        | ---         | 5350.000000 | 5288.1918 | MHz  | PASS                            |



## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|----------------|-------------|-------------|----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.35    | MHz  | INFO    |

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5250.000000 | ---         | 5270.2000 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB     | ---         | 5350.000000 | 5289.5500 | MHz  | PASS                            |

## Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| TC start                          | 07.09.2023 11:50:09                              |
| Ambit temp [°C]   humidity [rel%] | 25.8   49                                        |
| System version                    | 4.6.1.2                                          |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                     |
| Method                            | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| Description                       | FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A  |
| Information                       |                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                         |
|--------------------------------------------------|-------------------------|
| Technology to test                               | WLAN5Gx a mode          |
| Antenna port used                                | 1                       |
| Temperature                                      | nom                     |
| Voltage                                          | nom                     |
| Frequency low to test                            | True   Freq [MHz] 5260  |
| Frequency mid to test                            | False   Freq [MHz] 5280 |
| Frequency high to test                           | False   Freq [MHz] 5320 |
| Auto control enabled power supply   Climatic Box | No   No                 |
| Additional path loss [dB]                        | 0.7                     |
| Switched path                                    | None                    |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
|---------------------------------------------------------------|

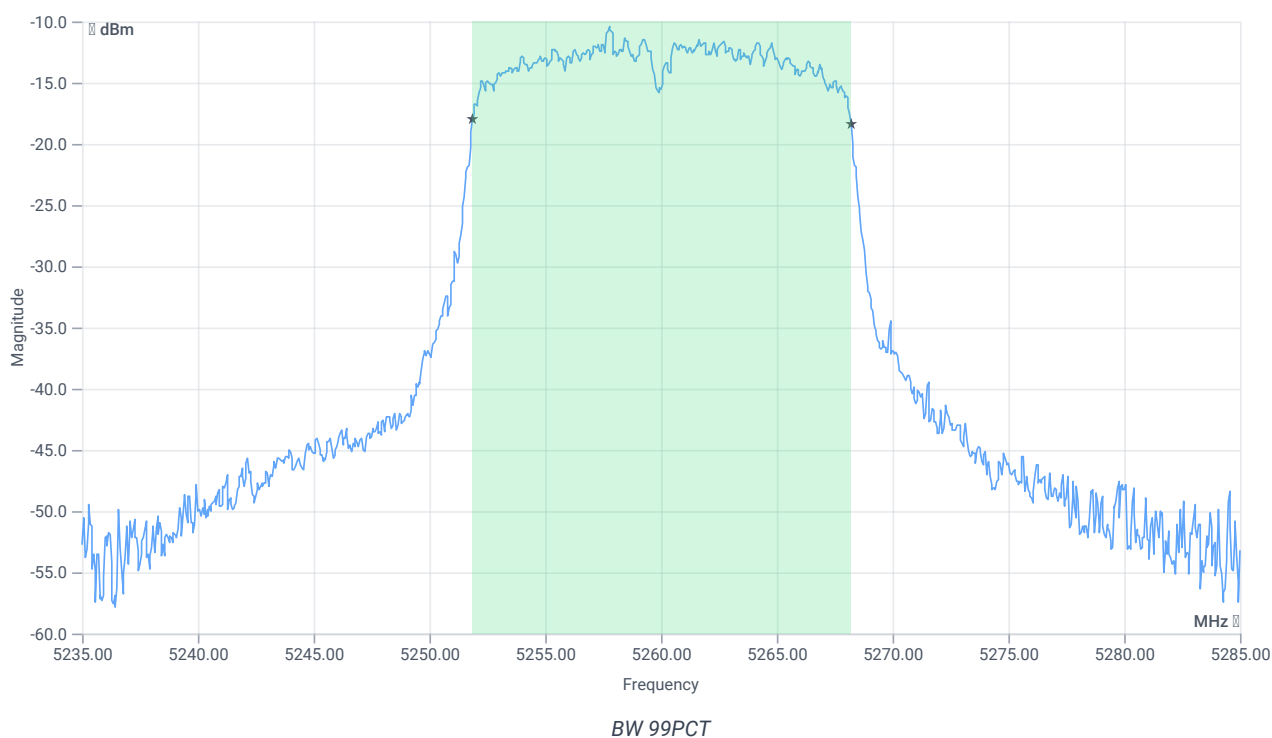
## Test at TX 5260 MHz

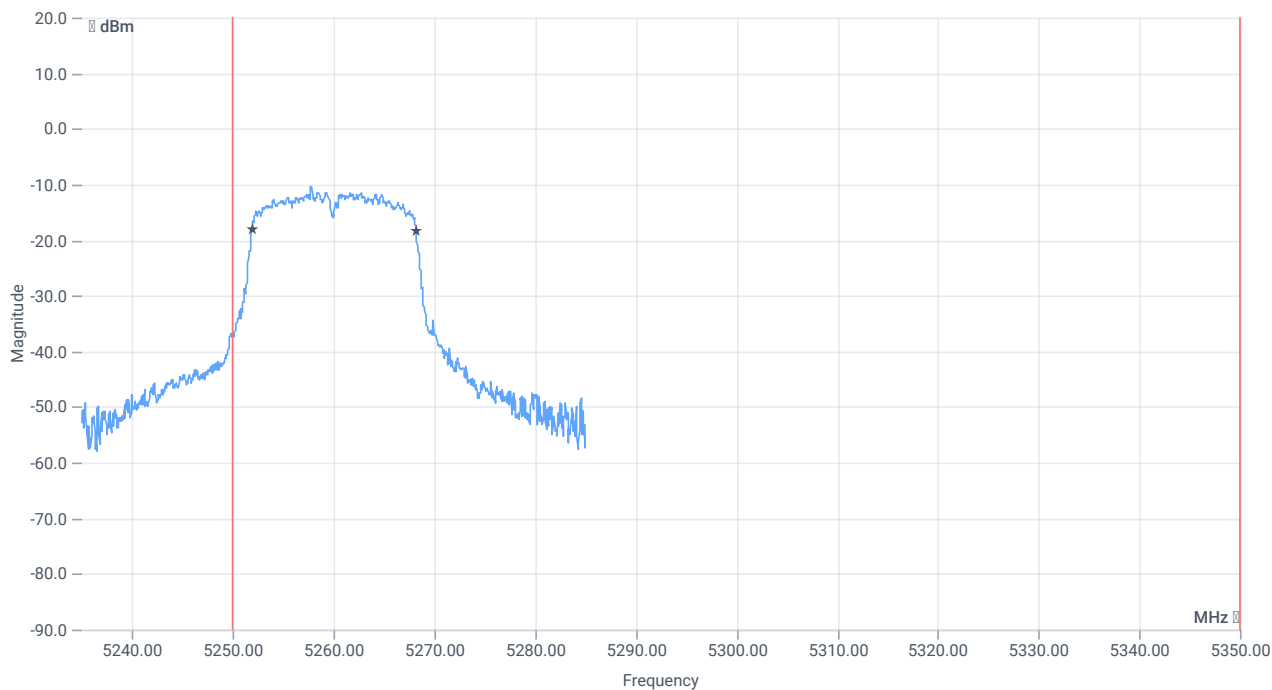
RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.21    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5257.200 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.79   0.7   20       |
| 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 |



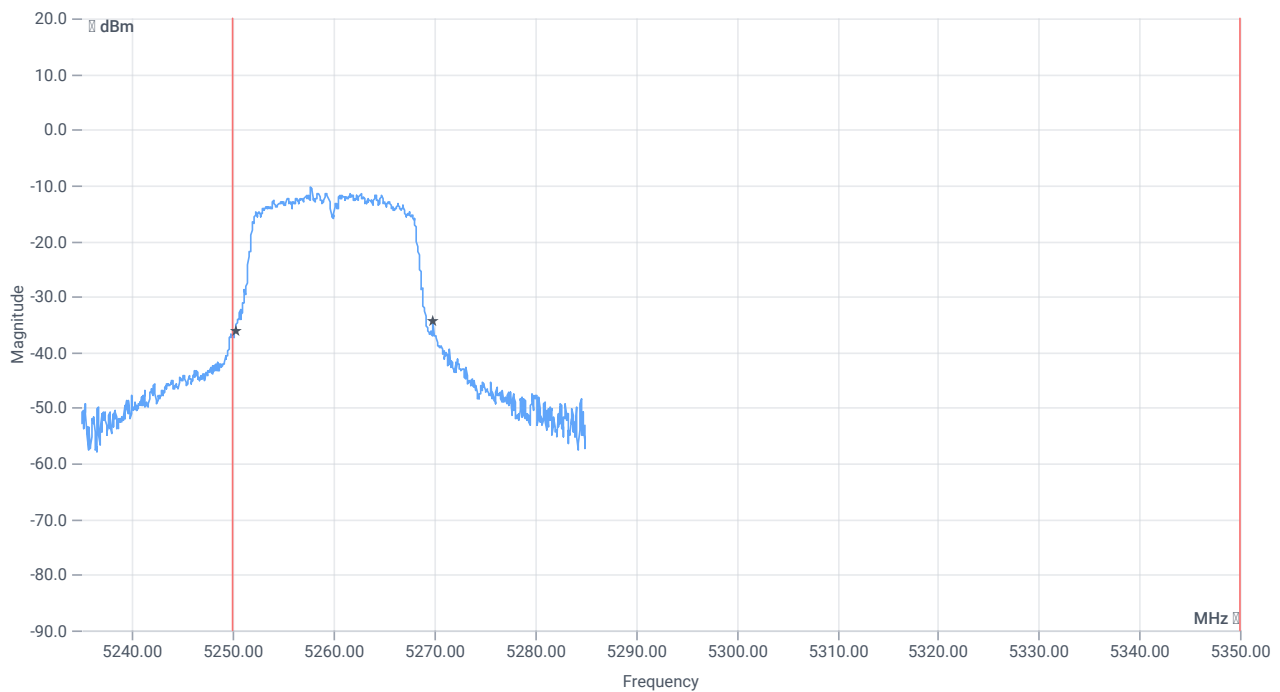
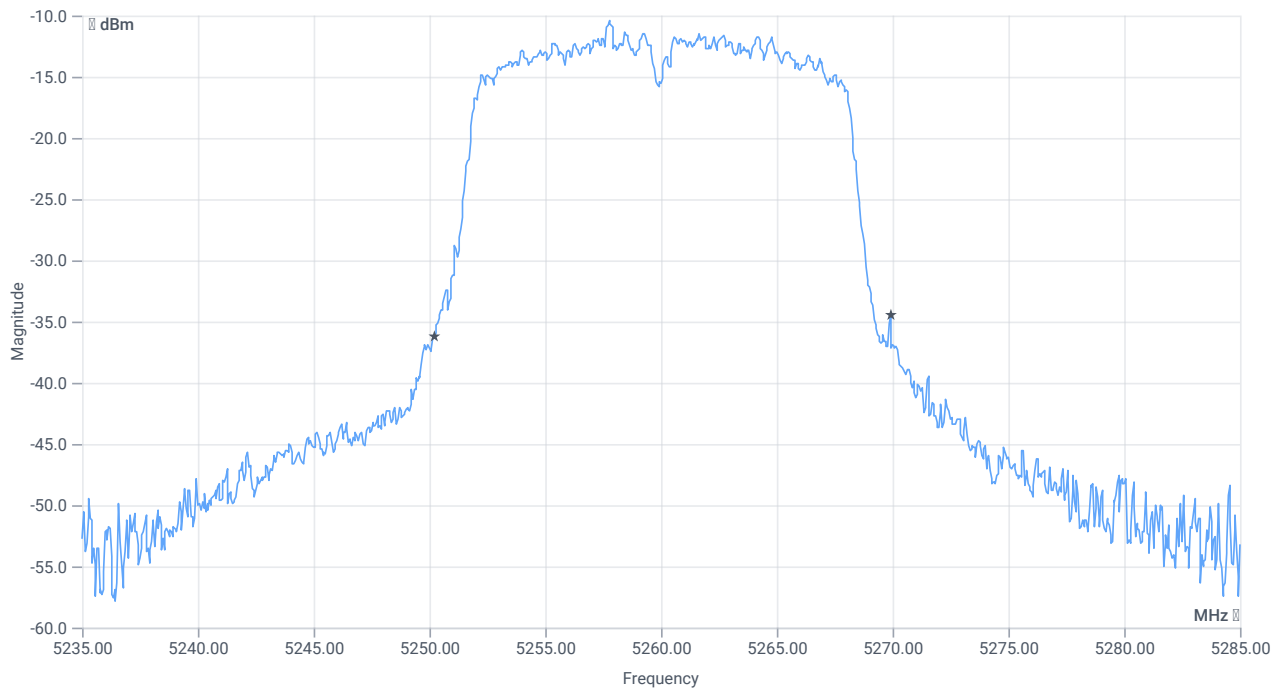


*BW within Band 99PCT*

## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|---------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | ---         | ---         | 16.334    | MHz  | INFO                            |
| T1 99%        | 5250.000000 | ---         | 5251.8581 | MHz  | PASS since U-NII-1 is supported |
| T2 99%        | ---         | 5350.000000 | 5268.1918 | MHz  | PASS                            |





## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|----------------|-------------|-------------|----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.7     | MHz  | INFO    |

## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT                         |
|-------------|-------------|-------------|-----------|------|---------------------------------|
| T1 26dB     | 5250.000000 | ---         | 5250.2000 | MHz  | PASS since U-NII-1 is supported |
| T2 26dB     | ---         | 5350.000000 | 5269.9000 | MHz  | PASS                            |

## Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 15:20:35                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

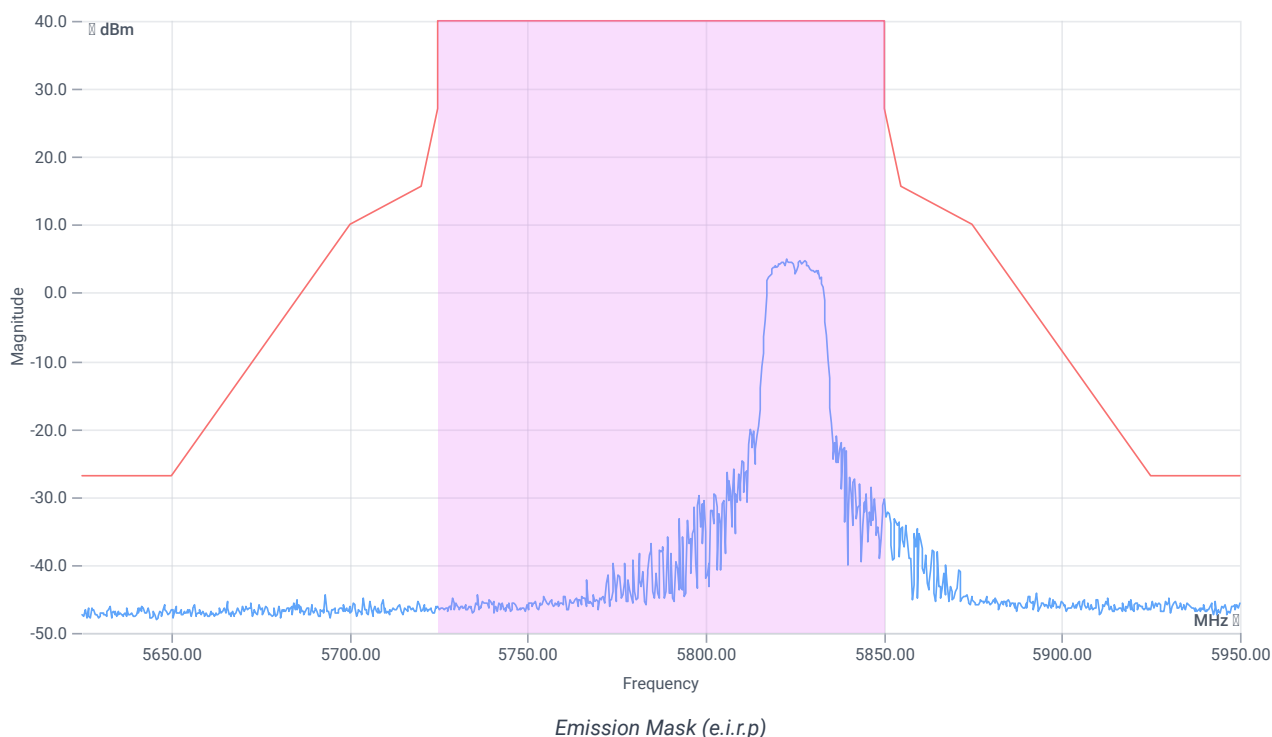
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.35     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5822.600 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.35   12.97   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 15:19:43                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

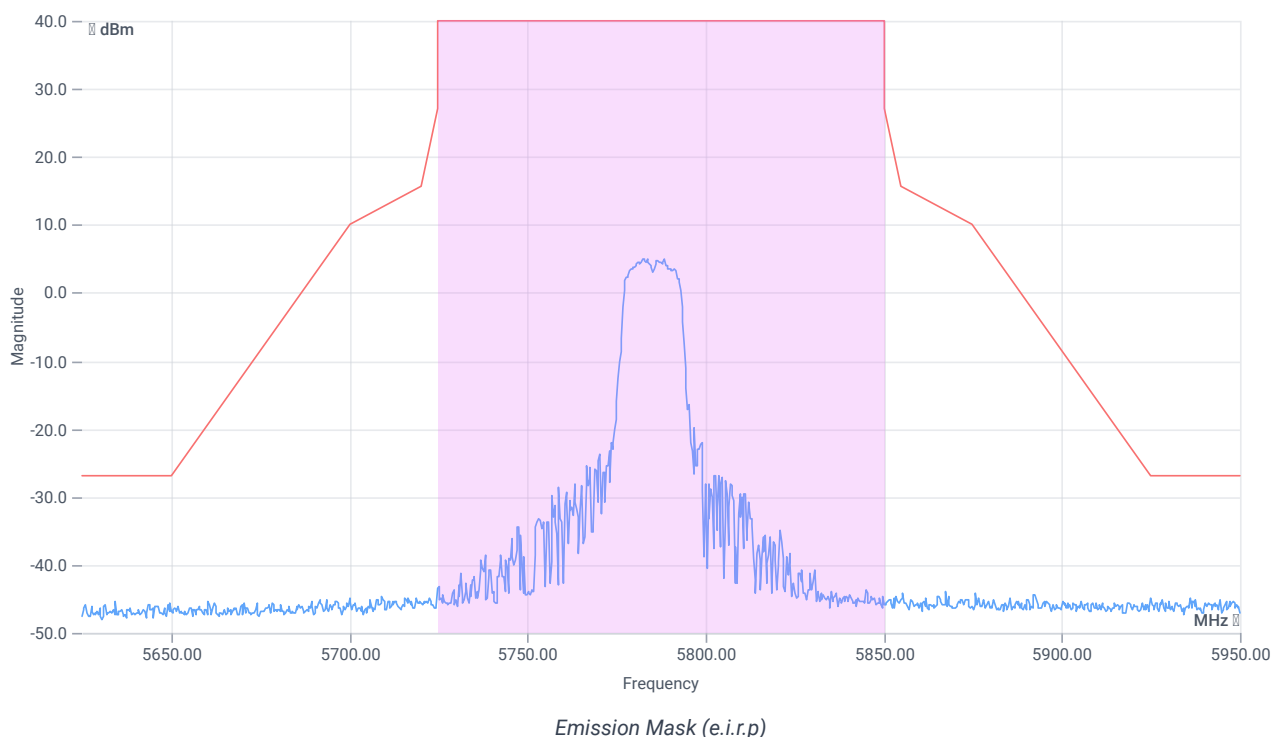
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.78     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5786.400 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.78   13.17   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS



## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 15:18:35                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

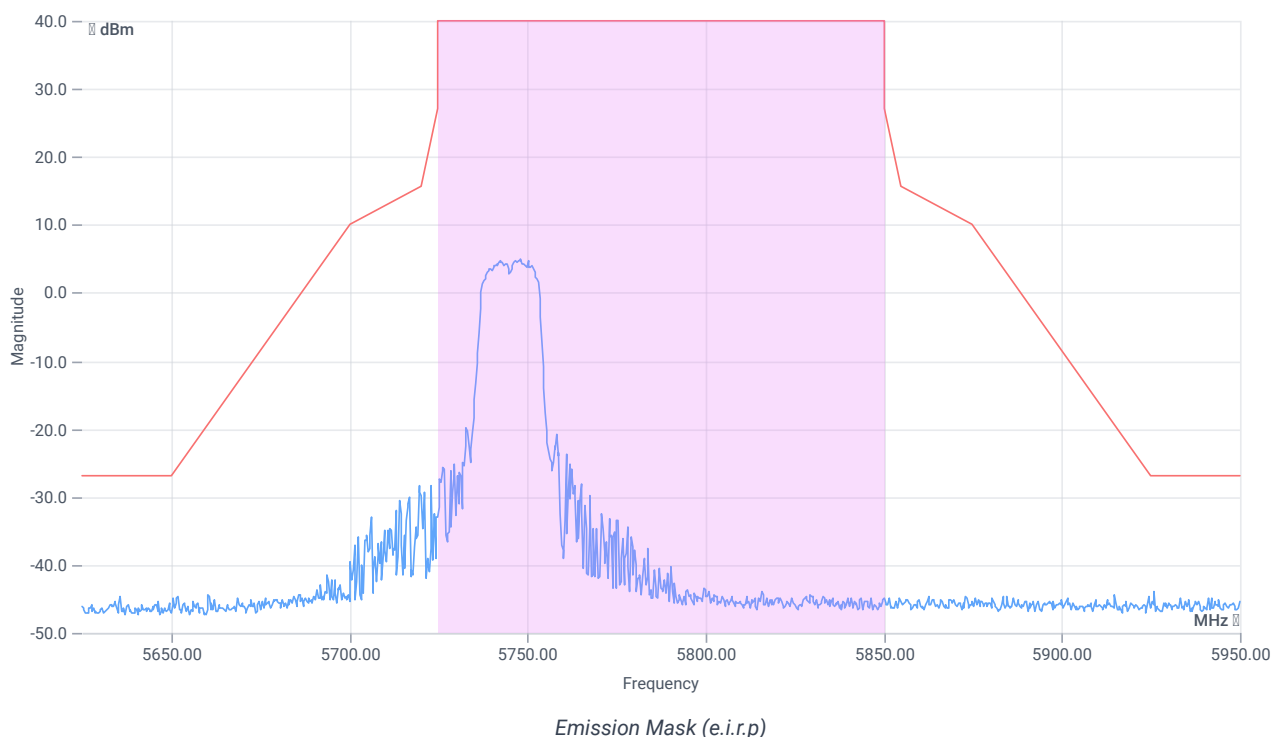
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.43     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5740.400 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.43   13.3   10      |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:16:27                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

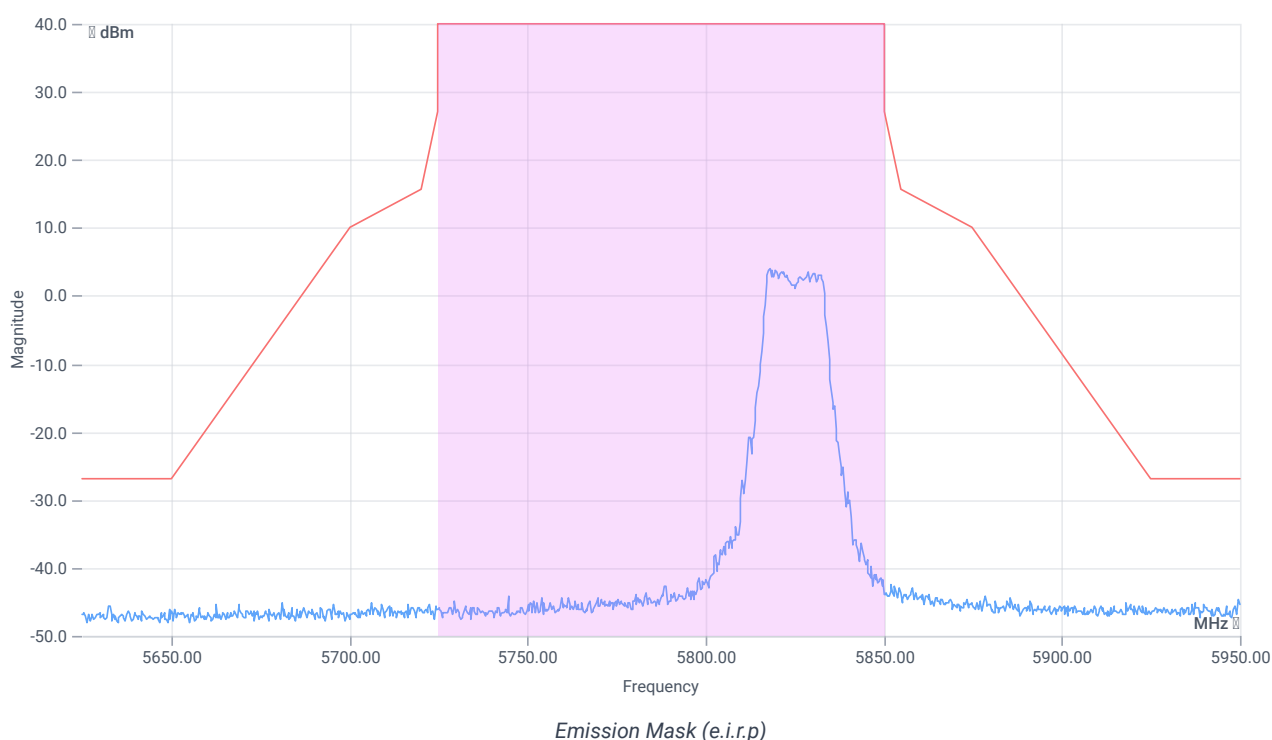
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.12     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5828.400 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.12   12.97   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:15:23                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

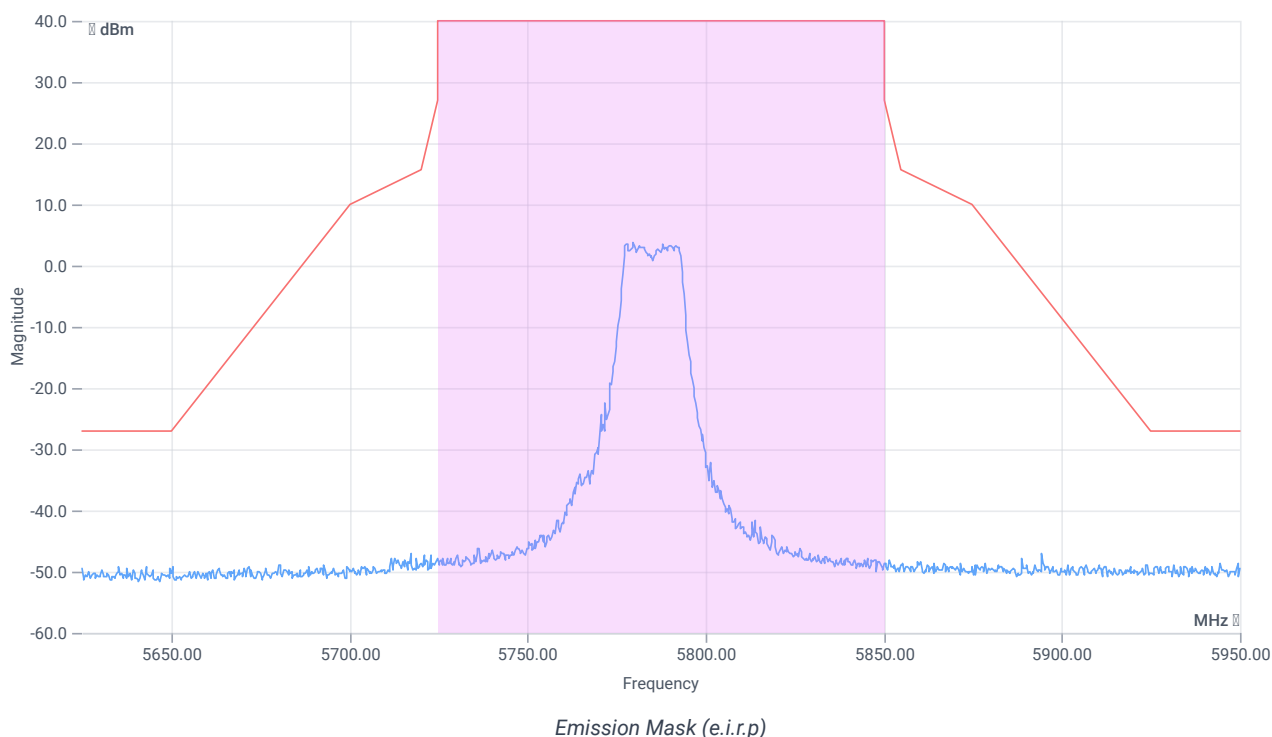
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.34    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5779.610 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.66   13.17   5      |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|



Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:09:05                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

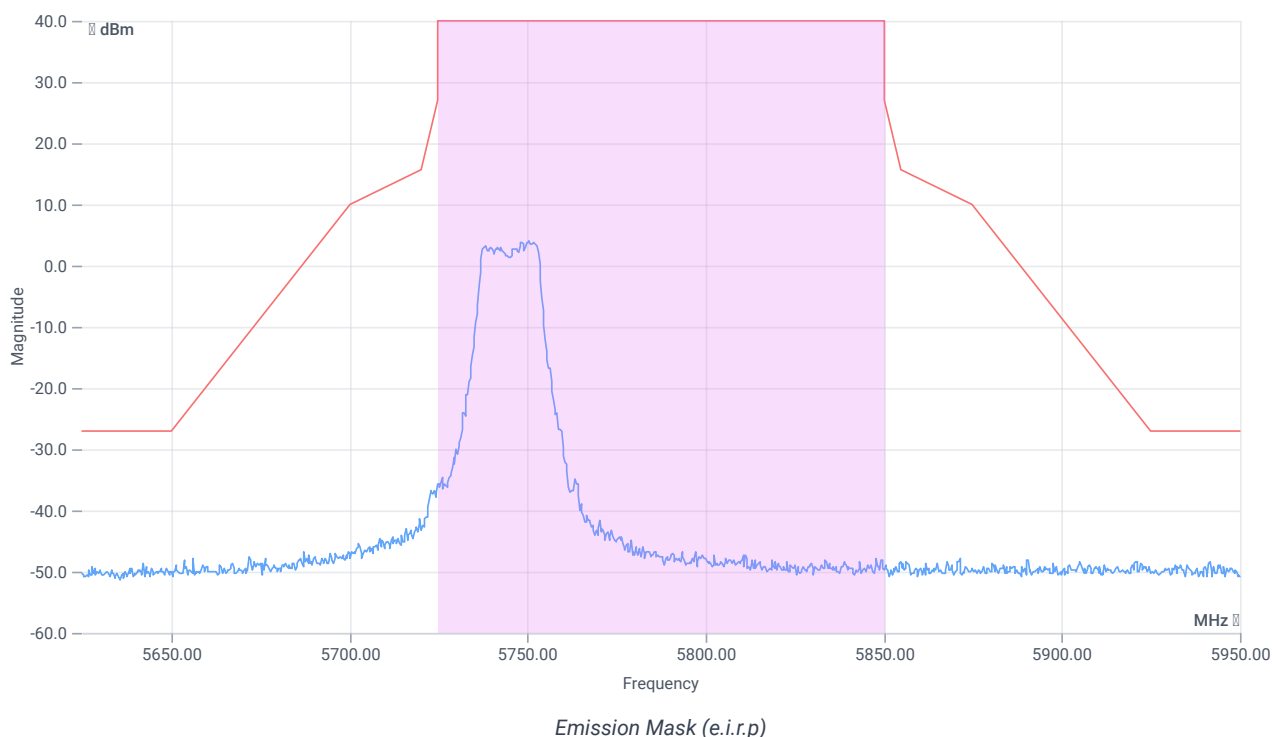
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.38    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5739.410 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.62   13.3   5       |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:08:20                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5795 MHz

RESULT: Reference Power cond.

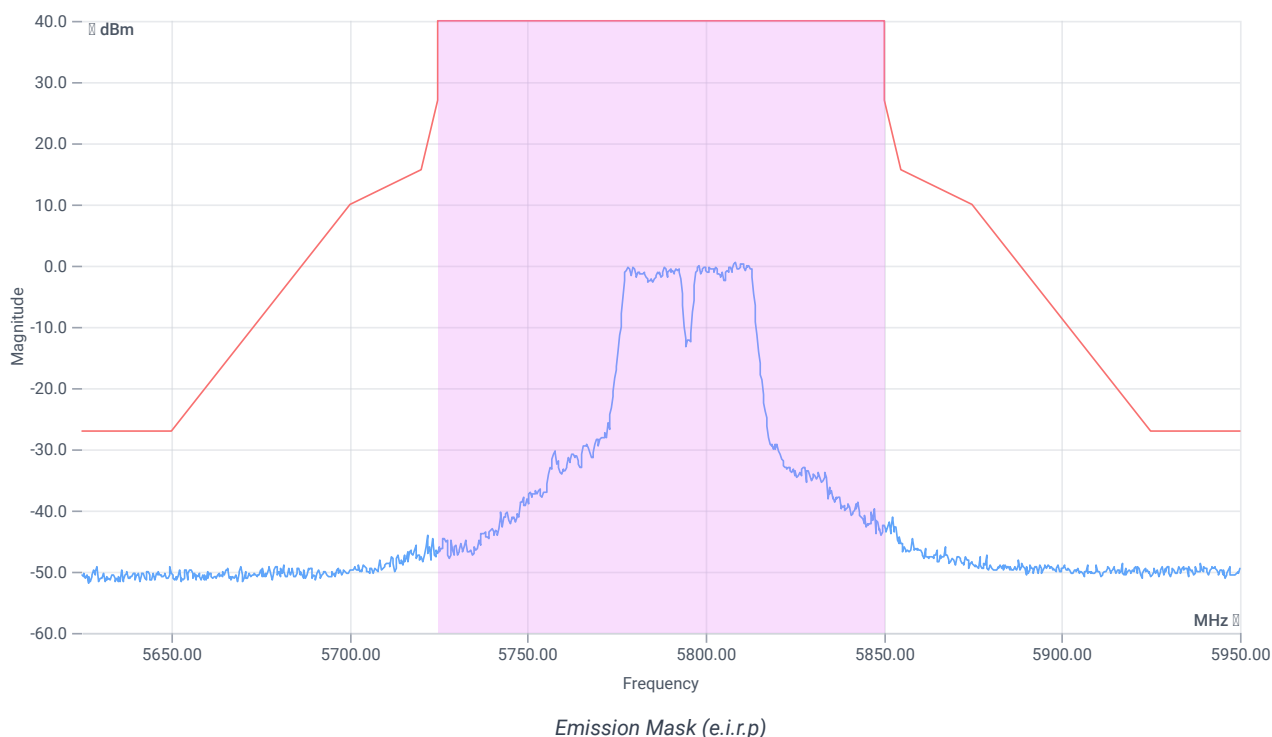
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.91    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5811.780 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.91   13.12   5     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

# FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

## References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:07:20                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                        |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |



## Test at TX 5755 MHz

RESULT: Reference Power cond.

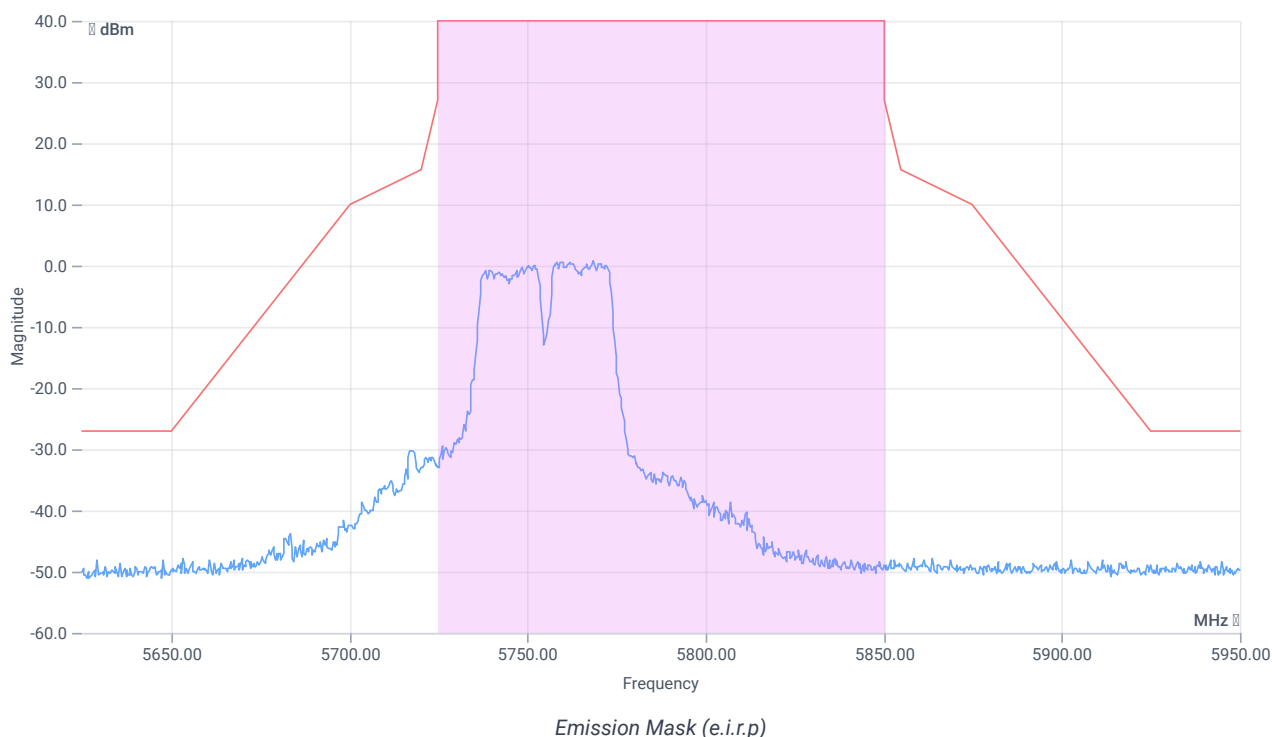
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.70    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5752.400 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.70   13.32   5     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                          |
|-----------------------------------|----------------------------------------------------------|
| TC start                          | 06.11.2023 15:06:12                                      |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                  |
| System version                    | 4.7.0.1                                                  |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                             |
| Method                            | NI                                                       |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                          |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5775 MHz

RESULT: Reference Power cond.

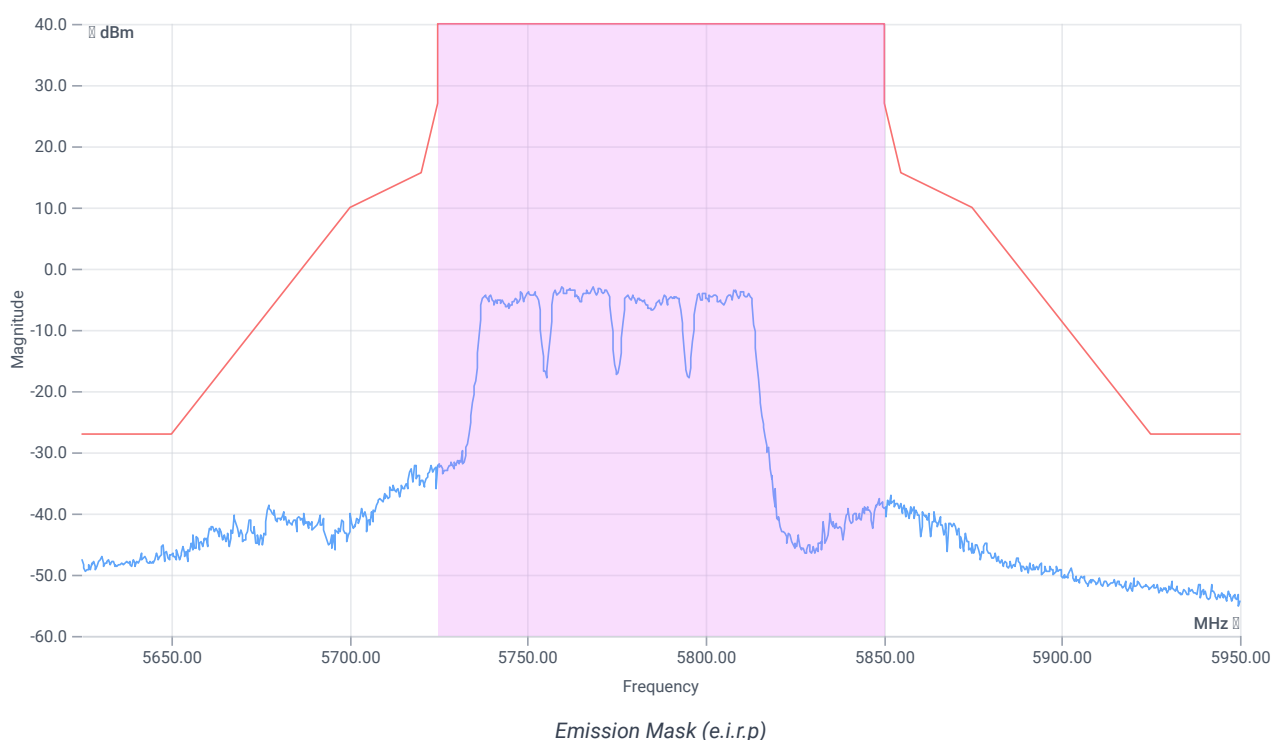
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.95    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5770.000 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -3.95   13.22   0     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                          |
|-----------------------------------|----------------------------------------------------------|
| TC start                          | 06.11.2023 15:05:15                                      |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                  |
| System version                    | 4.7.0.1                                                  |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                             |
| Method                            | NI                                                       |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                          |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5775 MHz

RESULT: Reference Power cond.

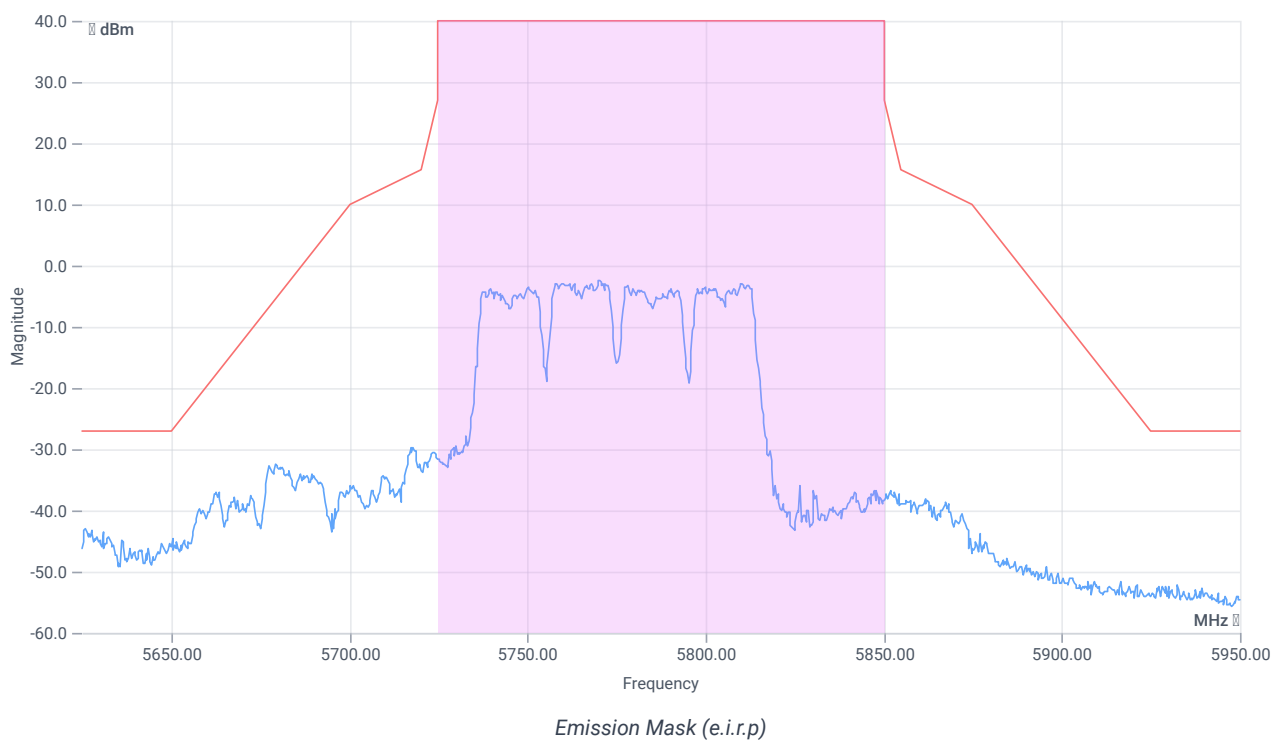
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -7.29    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5769.610 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -4.29   13.22   0     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS



## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:04:02                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5795 MHz

RESULT: Reference Power cond.

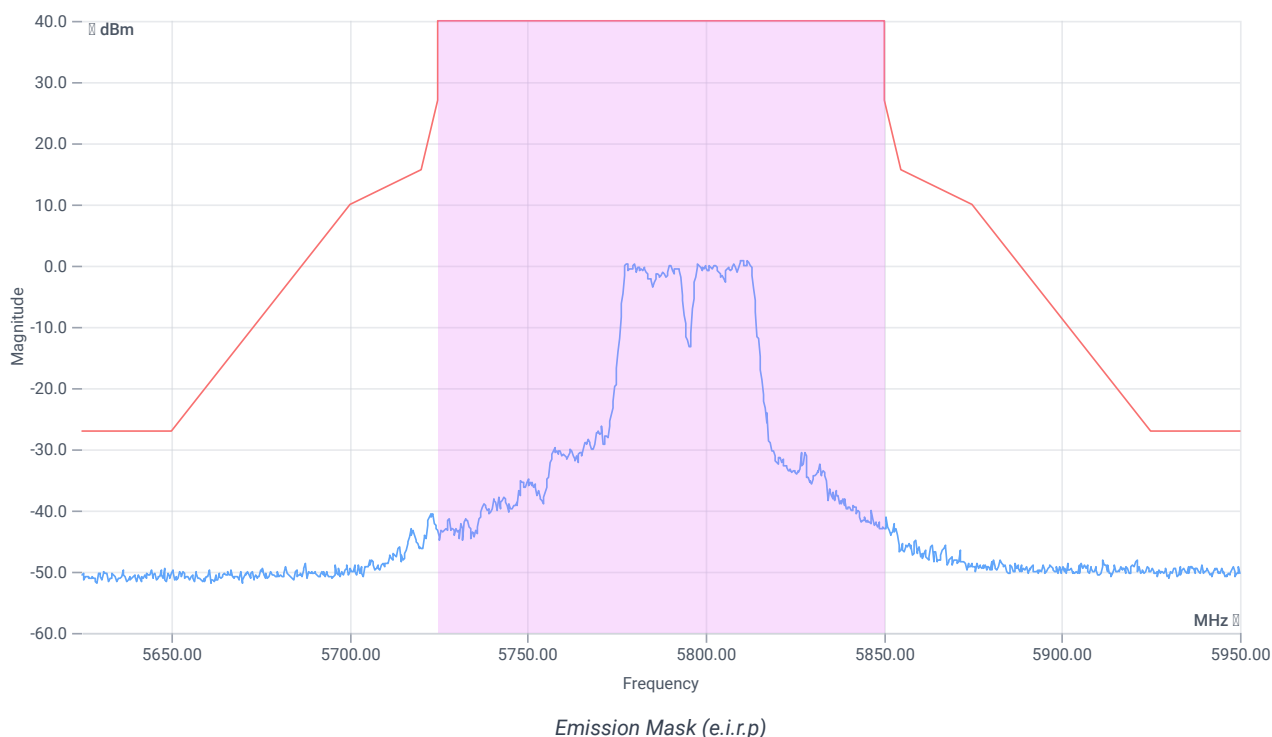
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.81    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5800.990 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | -0.82   13.12   5     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:03:01                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5755 MHz

RESULT: Reference Power cond.

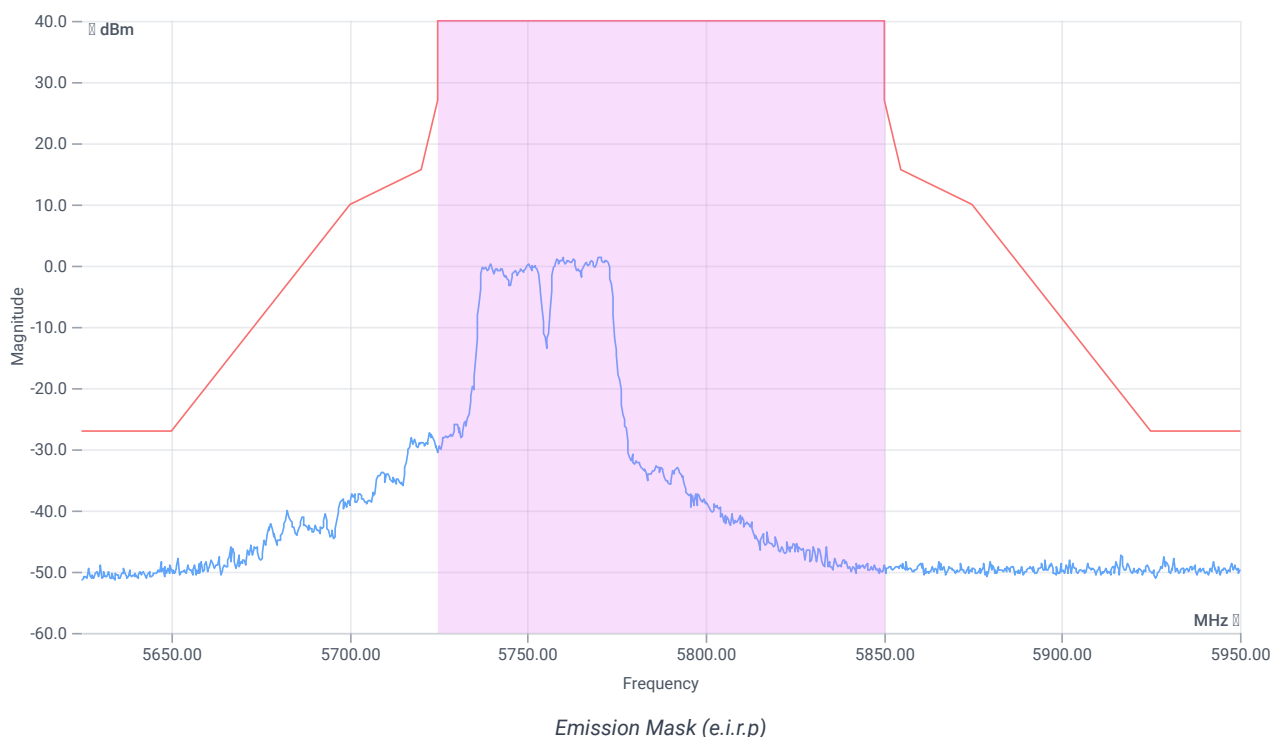
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.69    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5769.990 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.31   13.32   5      |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:01:50                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

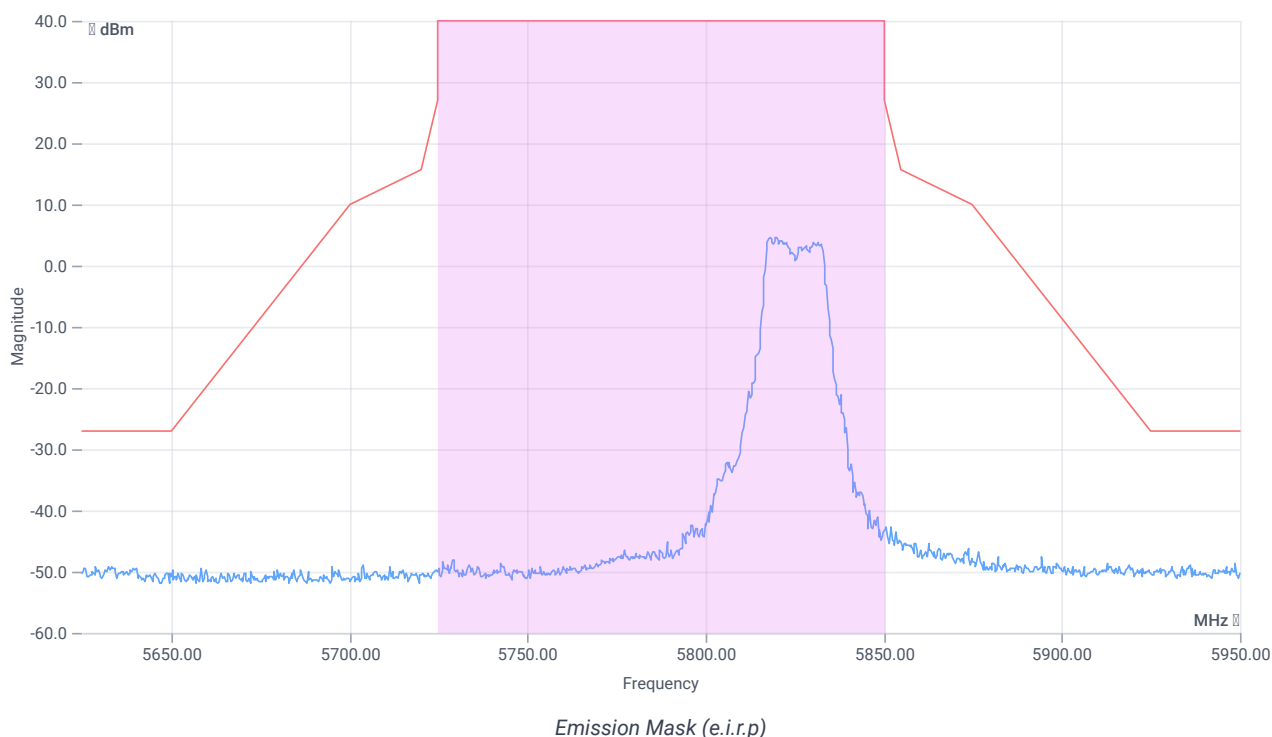
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.41    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5819.010 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.59   12.97   5      |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|



Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 15:00:50                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

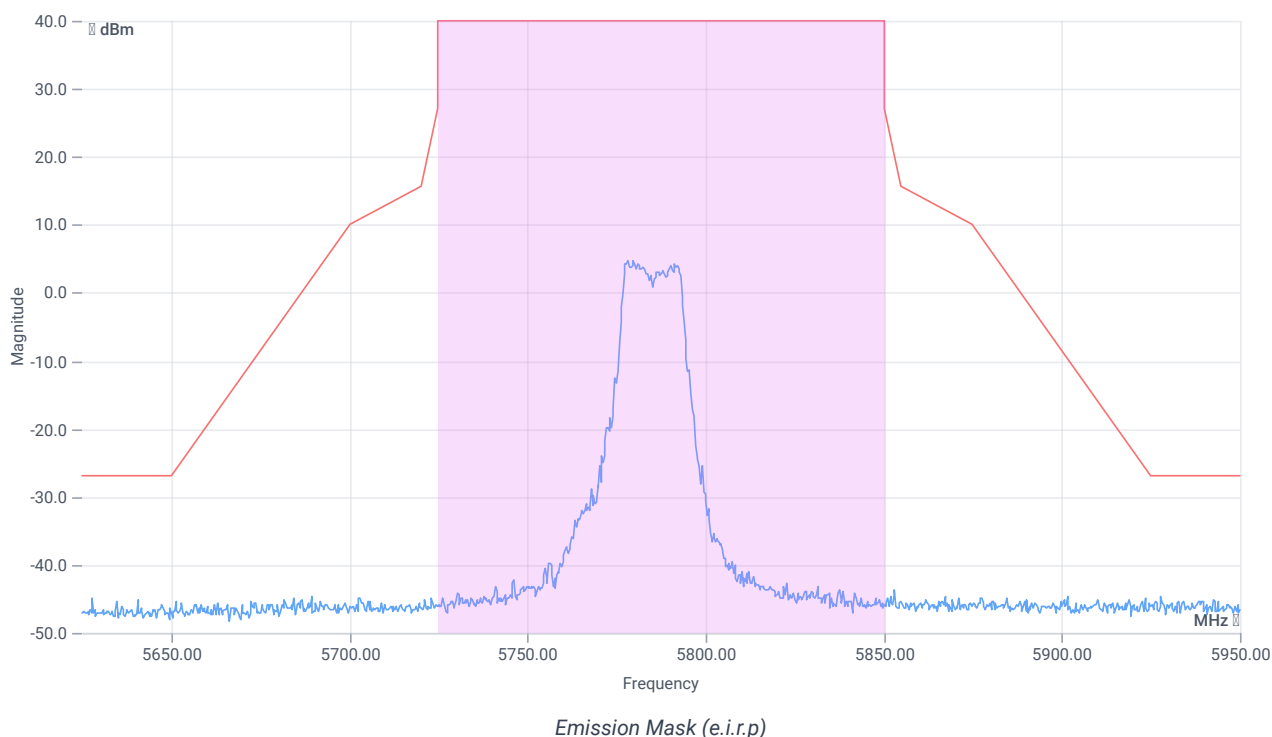
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.20     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5779.610 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.20   13.17   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

# FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| TC start                          | 06.11.2023 14:59:50                                    |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                                |
| System version                    | 4.7.0.1                                                |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                           |
| Method                            | NI                                                     |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                        |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

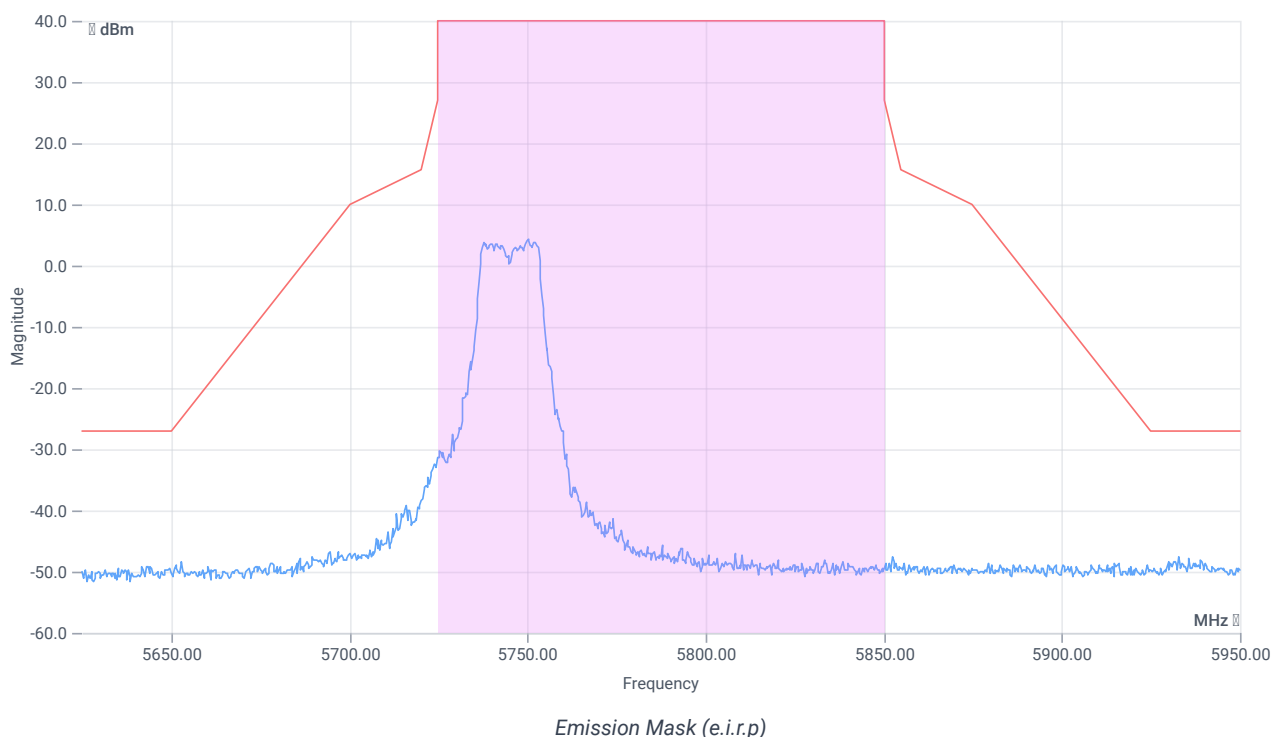
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.08    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5741.000 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.92   13.3   5       |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 14:58:21                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |



## Test at TX 5825 MHz

RESULT: Reference Power cond.

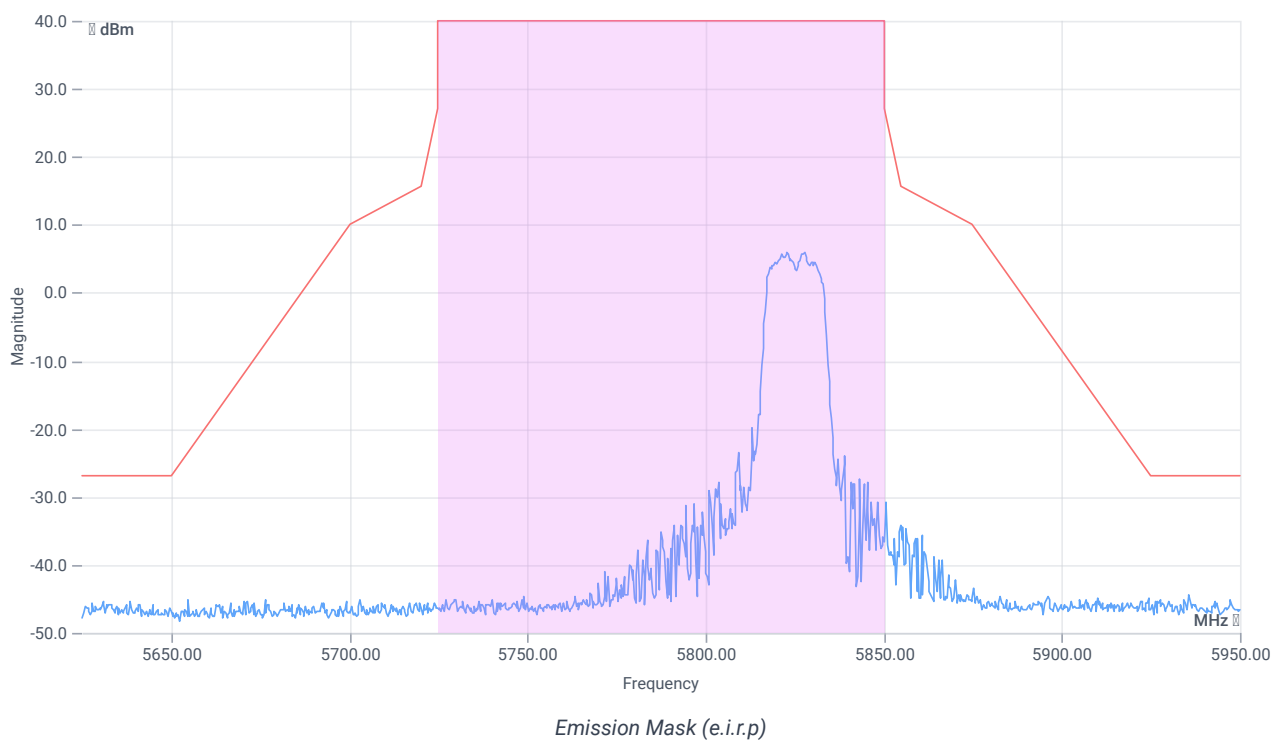
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.11     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5820.800 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.11   12.97   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 14:57:20                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

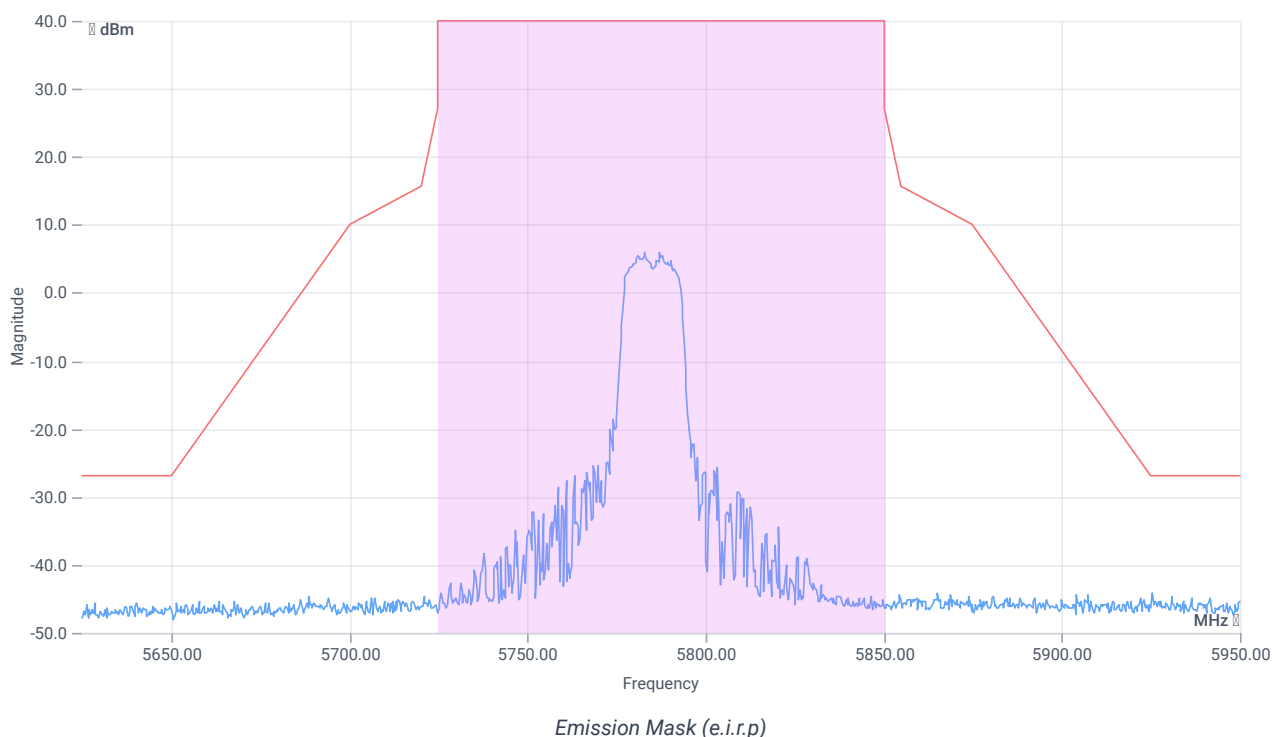
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.94     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5782.600 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.94   13.17   10     |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS

## FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| TC start                          | 06.11.2023 14:56:04                               |
| Ambit temp [°C]   humidity [rel%] | 0.0   0                                           |
| System version                    | 4.7.0.1                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                      |
| Method                            | NI                                                |
| Description                       | FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60 |
| Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

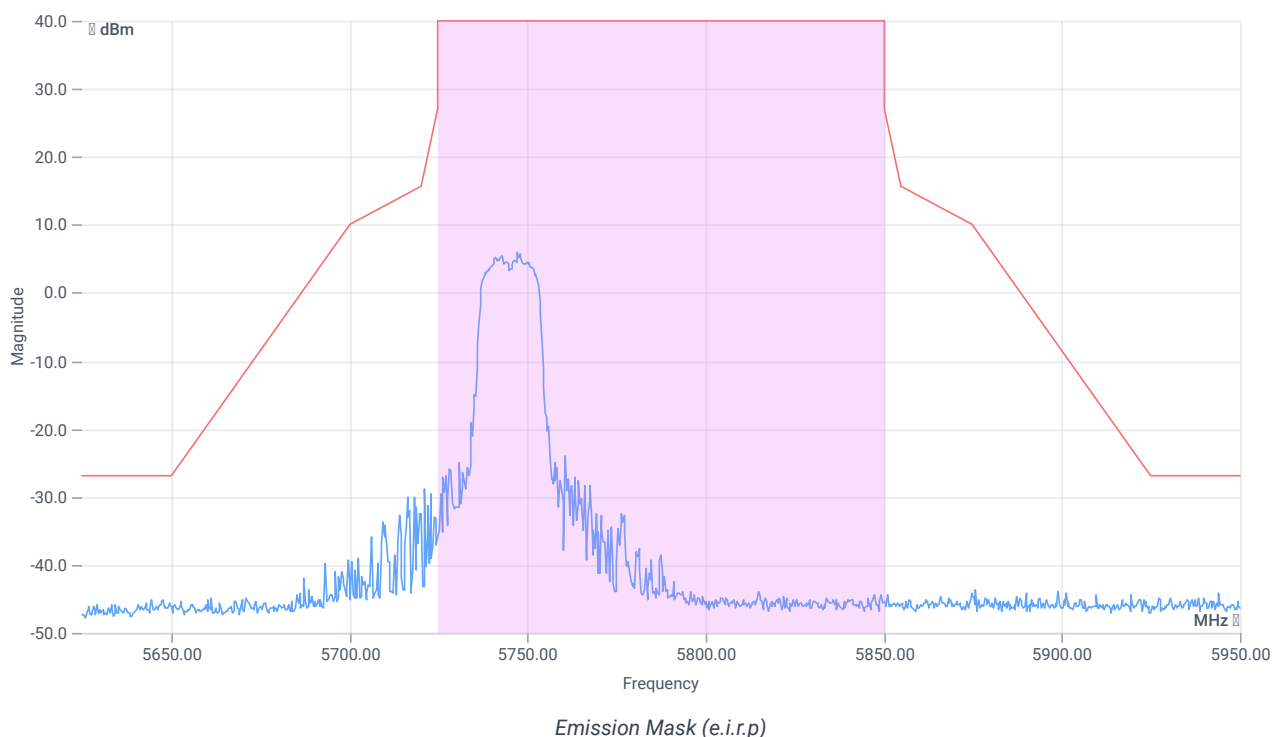
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.92     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5747.600 | MHz  | INFO    |

## Antenna gain

Considered antenna gain [dBi]: 3.7 / max found in range 5625 to 5950 MHz

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.92   13.3   10      |
| Start [MHz]   Stop [MHz]                             | 5625.000   5950.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 1   2500   1001   SWE |



## RESULT

| DESCRIPTION | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------|-------------|-------------|----------|------|---------|
|-------------|-------------|-------------|----------|------|---------|

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-1

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:09:59                                               |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407   NI                                                   |
| Method                            | KDB789033 D02, F., E.2.e.                                         |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5210                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5210 MHz

RESULT: Reference Power cond.

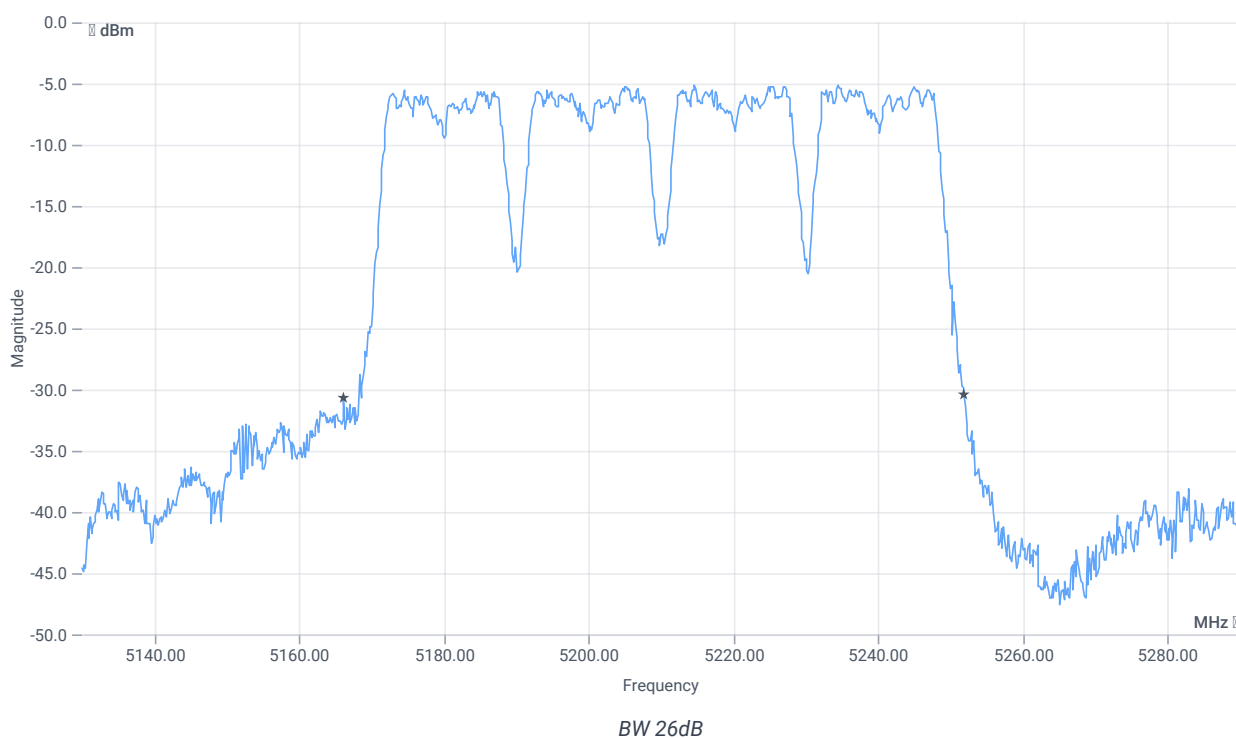
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.14    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5224.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



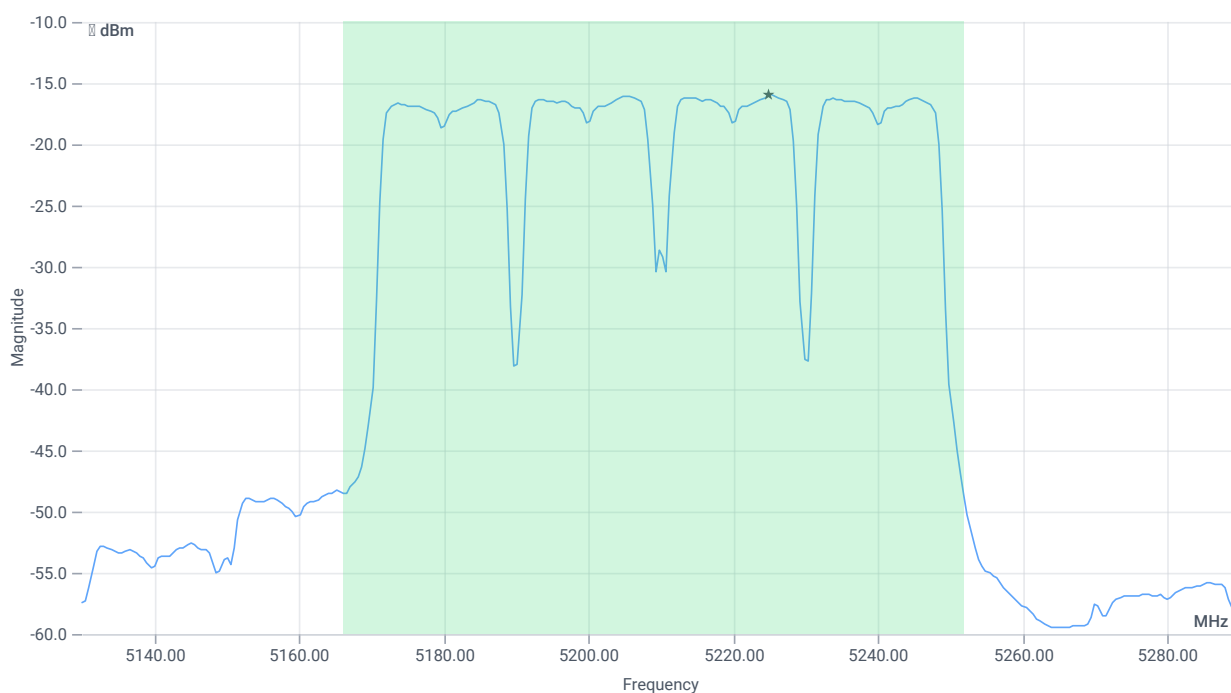
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 85.76     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5166.1600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5251.9200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 5.86   15.7   5        |
| Start [MHz]   Stop [MHz]                             | 5130.000   5290.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.22     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.22     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 85.76  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.33       | 1.22     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -16.01   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -16.01   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-1

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:04:15                                               |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407   NI                                                   |
| Method                            | KDB789033 D02, F., E.2.e.                                         |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5210                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5210 MHz

RESULT: Reference Power cond.

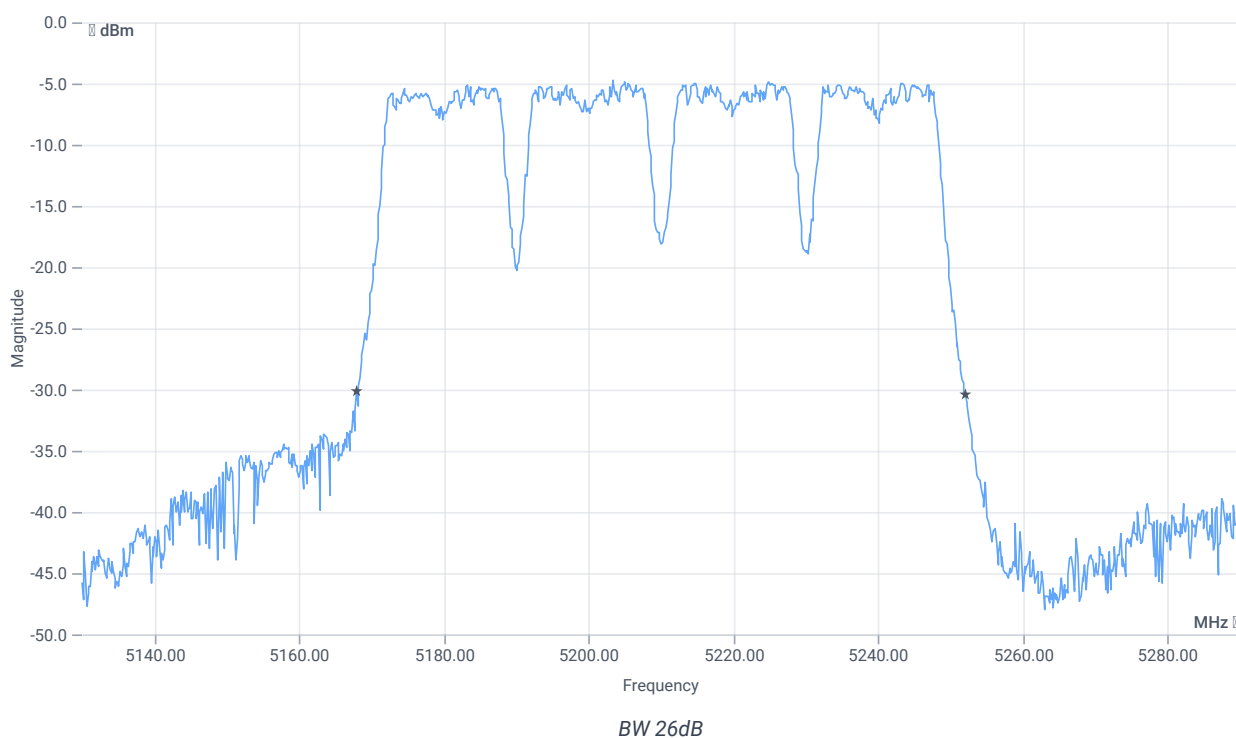
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.57    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5205.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



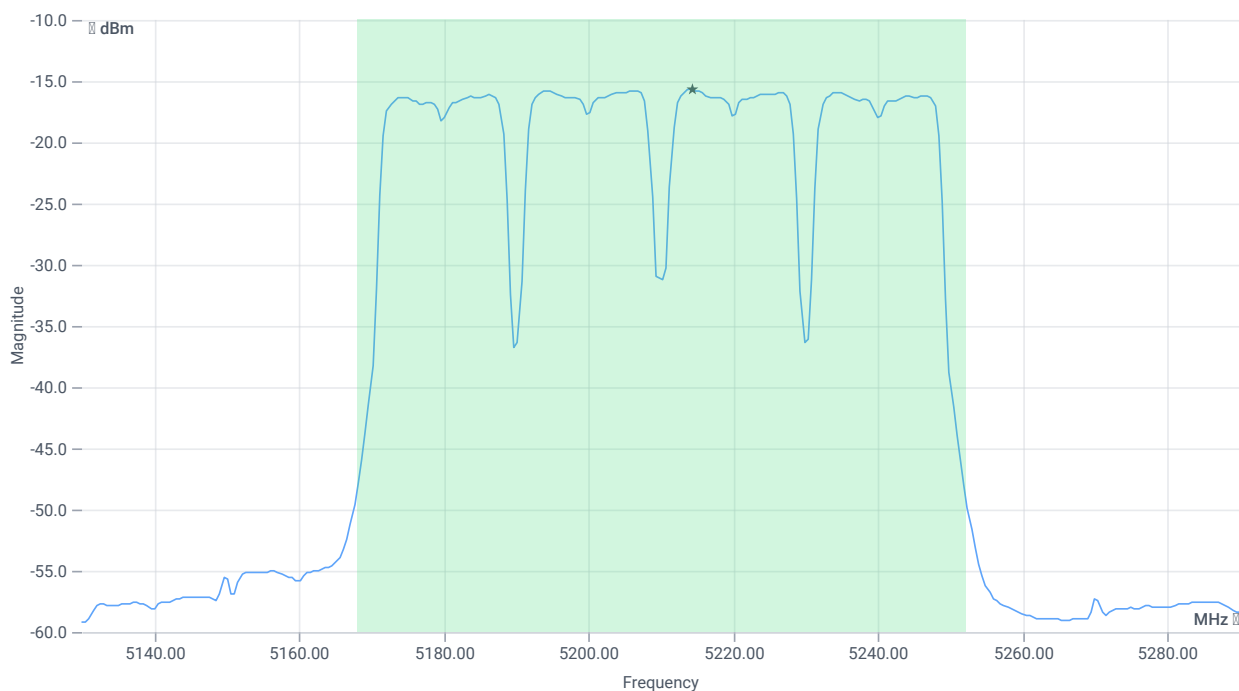
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 84.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5167.9200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5252.0800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.43   15.7   5        |
| Start [MHz]   Stop [MHz]                             | 5130.000   5290.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.56     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.56     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 84.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.25       | 1.56     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -15.71   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -15.71   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 13:44:44                                             |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5190                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5230                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5230 MHz

RESULT: Reference Power cond.

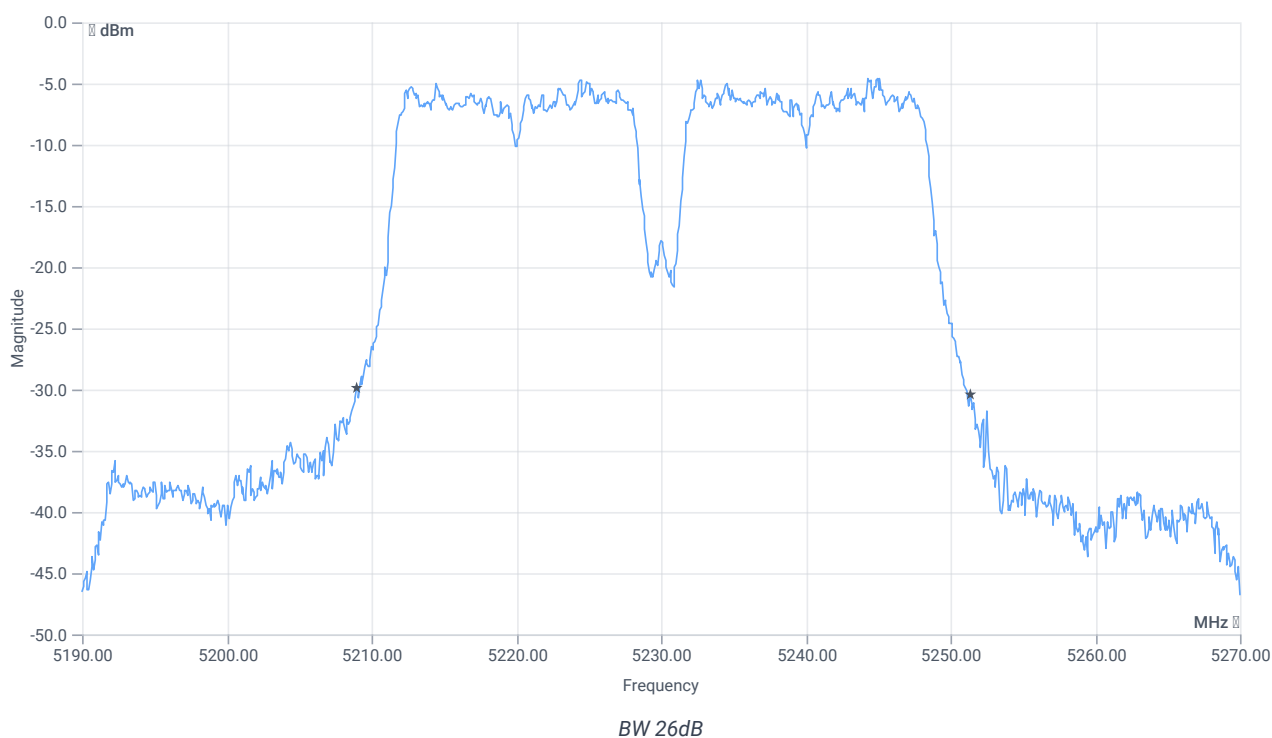
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.20    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5225.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



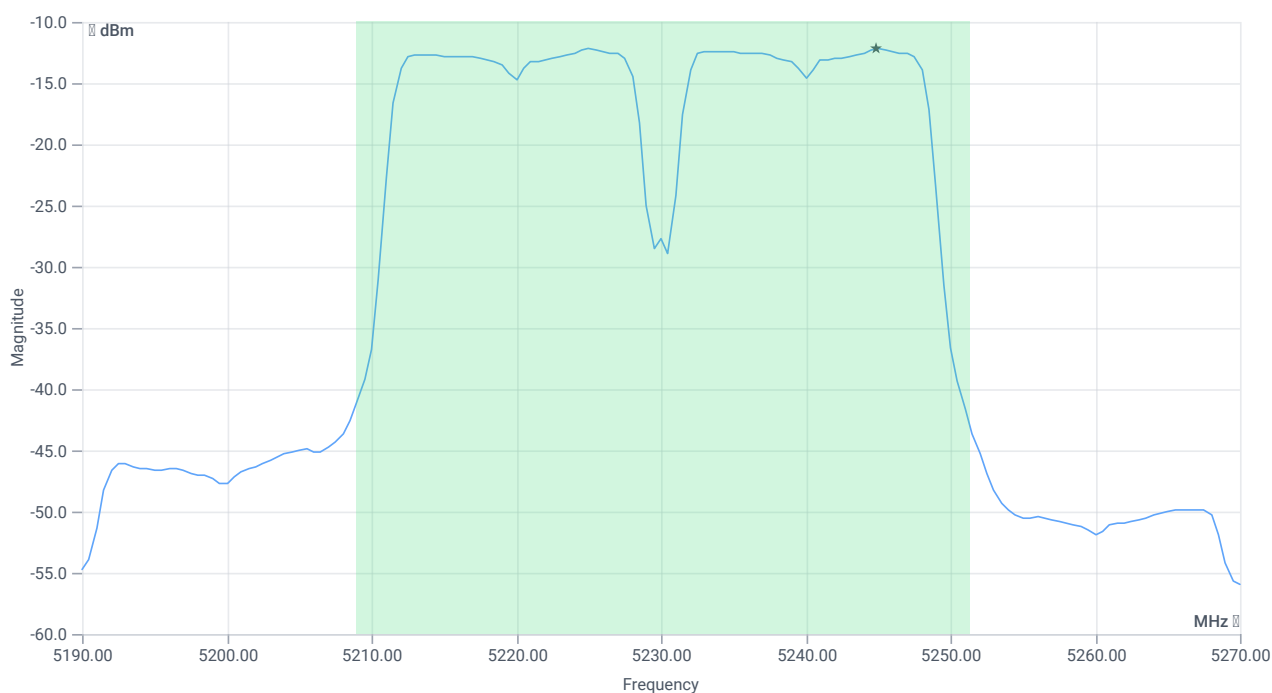
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.4      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5208.9600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5251.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.80   15.75   10     |
| Start [MHz]   Stop [MHz]                             | 5190.000   5270.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.1      | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.1      | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.4   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.27       | 2.1      | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.2    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.2    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 13:41:01                                             |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5190                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5230                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5230 MHz

RESULT: Reference Power cond.

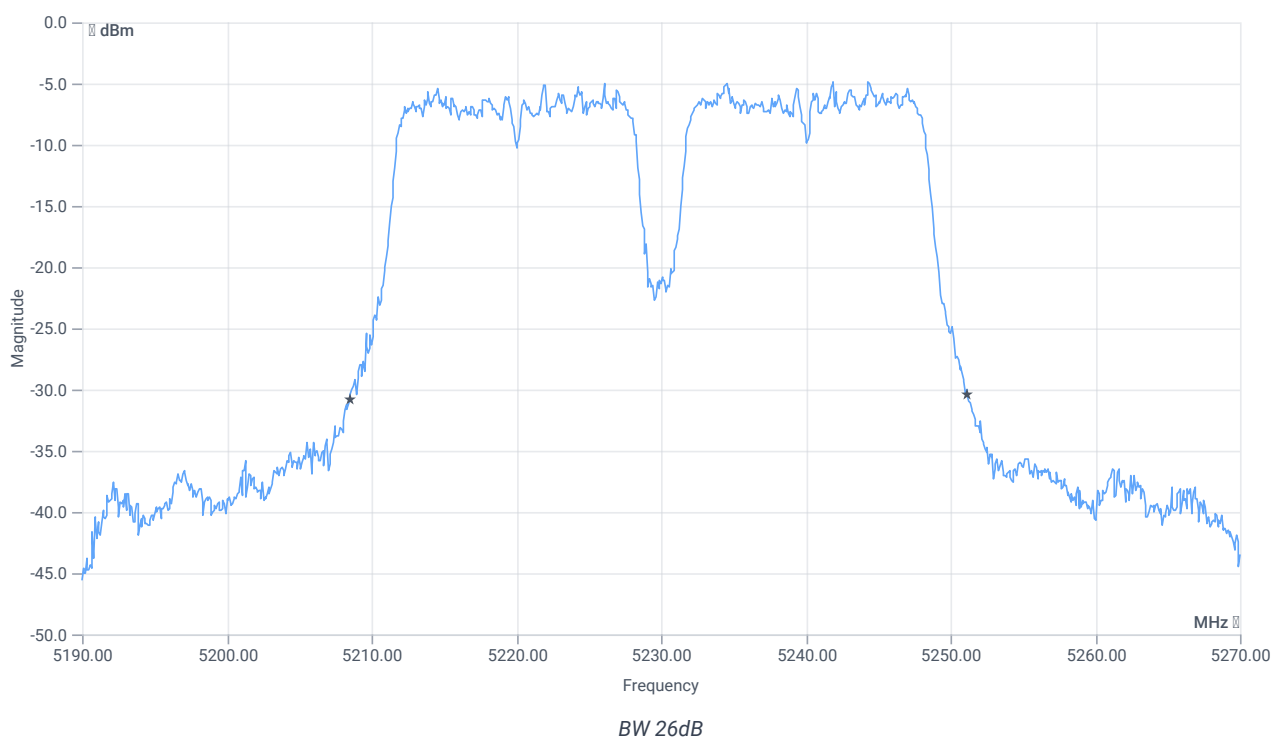
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.79    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5226.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



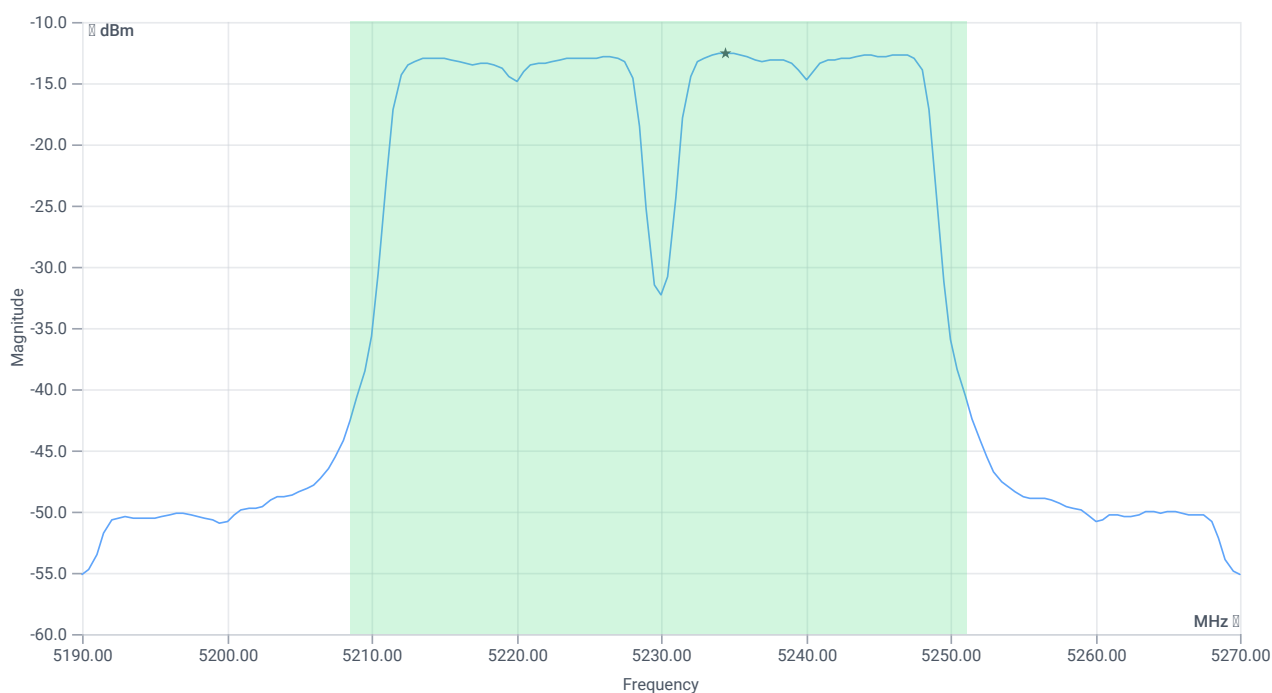
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5208.4800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5251.2000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.21   15.75   10     |
| Start [MHz]   Stop [MHz]                             | 5190.000   5270.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.78     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.78     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.31       | 1.78     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.57   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.57   | dBm/1MHz | PASS    |

Verdict

PASS



# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 13:36:33                                             |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5190                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5230                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5190 MHz

RESULT: Reference Power cond.

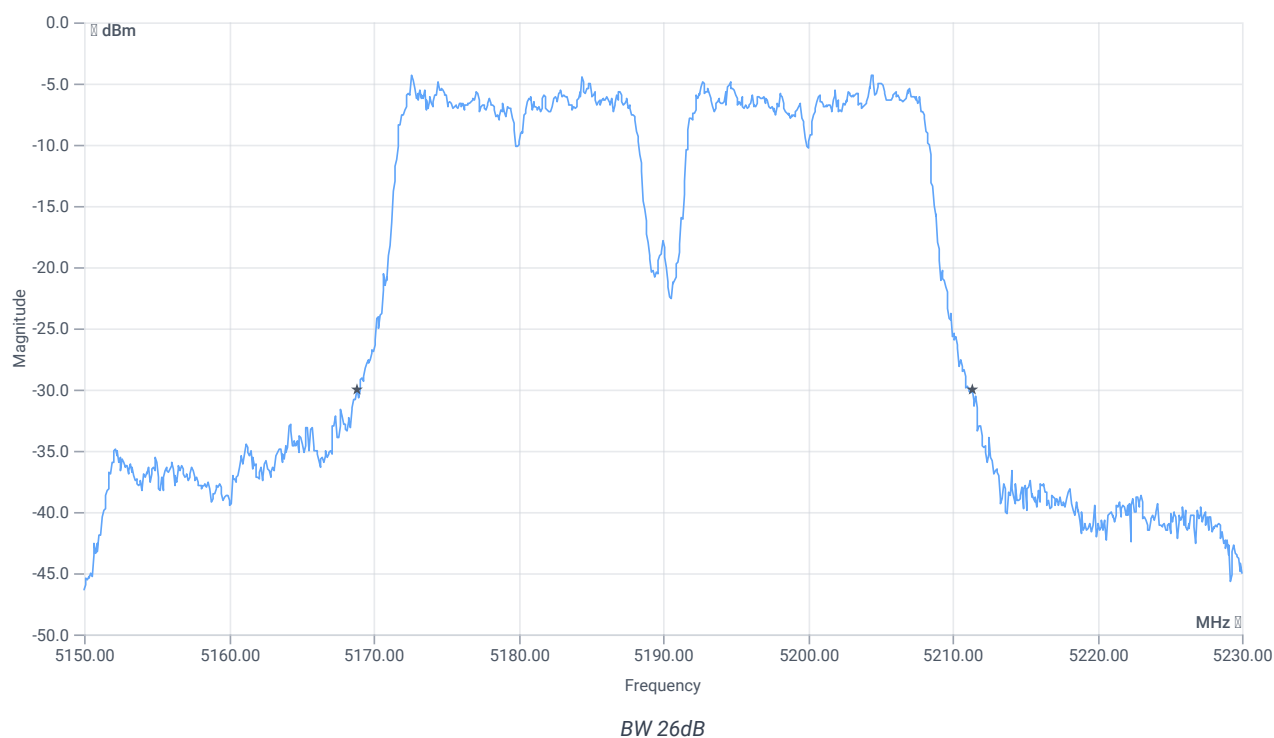
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.69    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5204.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



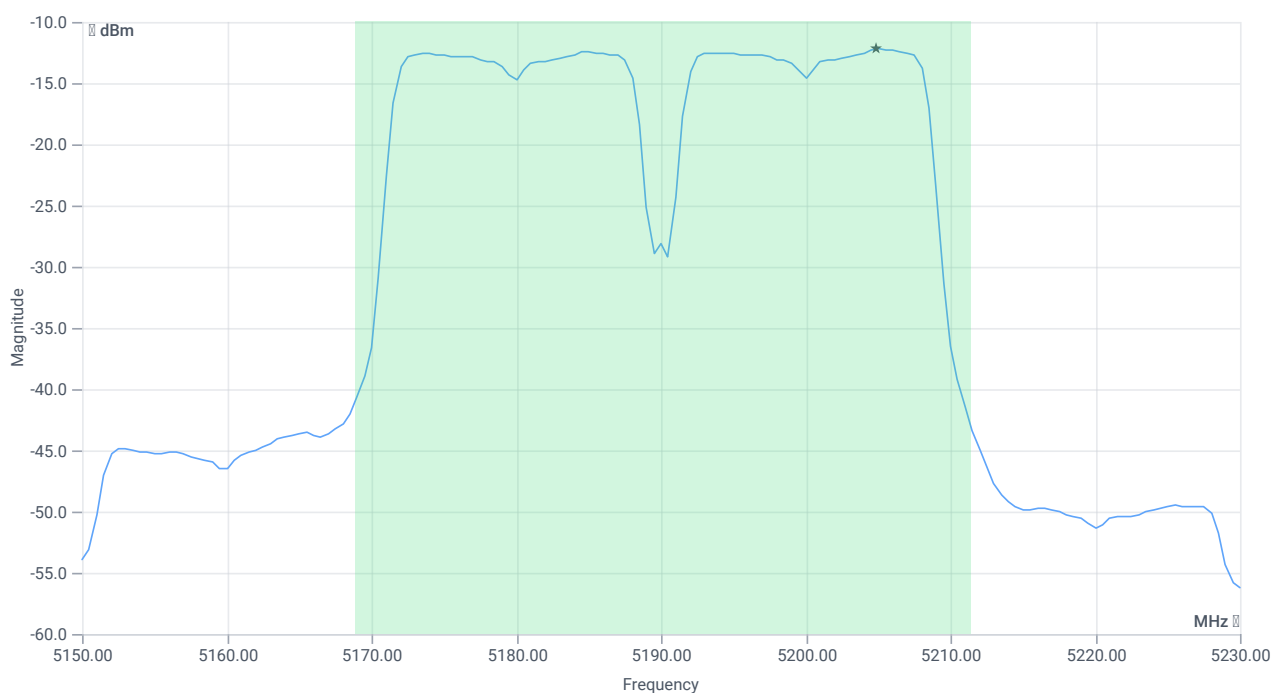
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.56     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5168.8000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5211.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.31   15.75   10     |
| Start [MHz]   Stop [MHz]                             | 5150.000   5230.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.03     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.03     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.56  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.29       | 2.03     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.17   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.17   | dBm/1MHz | PASS    |

Verdict

PASS

# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 13:32:52                                             |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5190                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5230                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5190 MHz

RESULT: Reference Power cond.

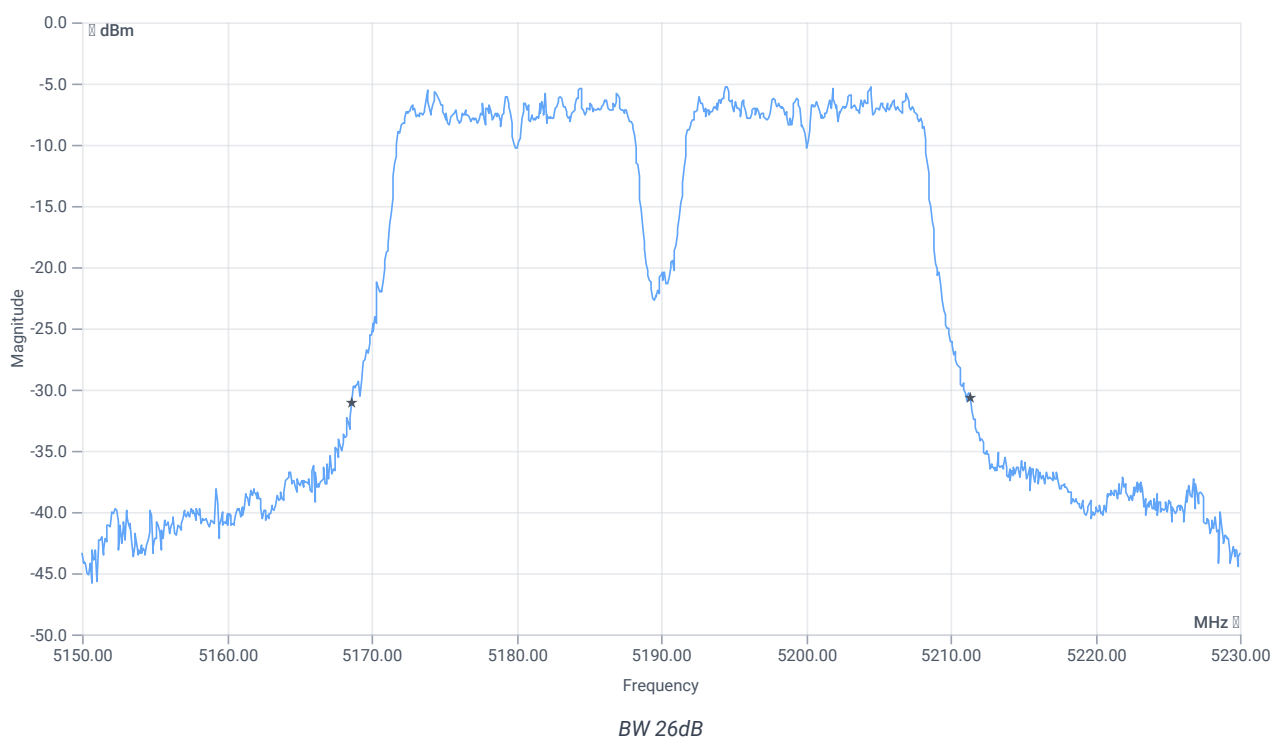
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.15    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5176.010 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



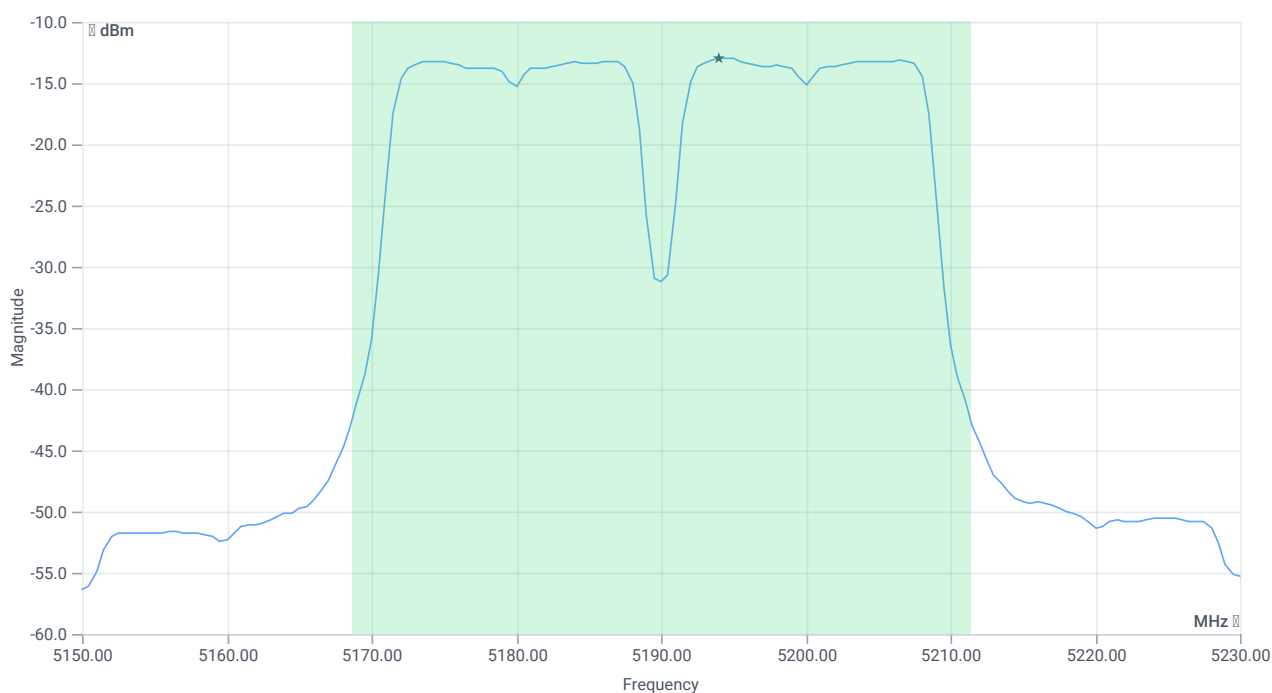
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5168.6400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5211.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.85   15.75   10     |
| Start [MHz]   Stop [MHz]                             | 5150.000   5230.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.39     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.39     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.31       | 1.39     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -13.01   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -13.01   | dBm/1MHz | PASS    |

Verdict

PASS



# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:50:56                                             |
| Ambit temp [°C]   humidity [rel%] | 24.5   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5240 MHz

RESULT: Reference Power cond.

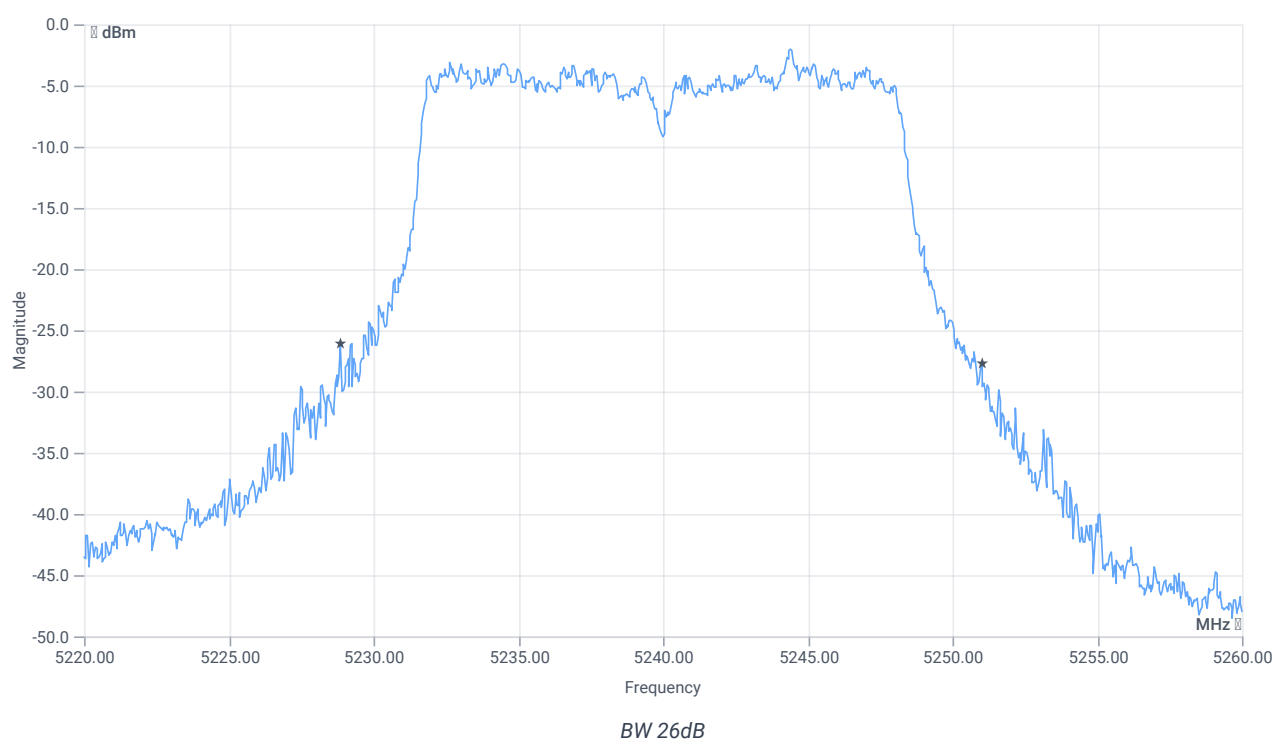
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.60     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5236.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



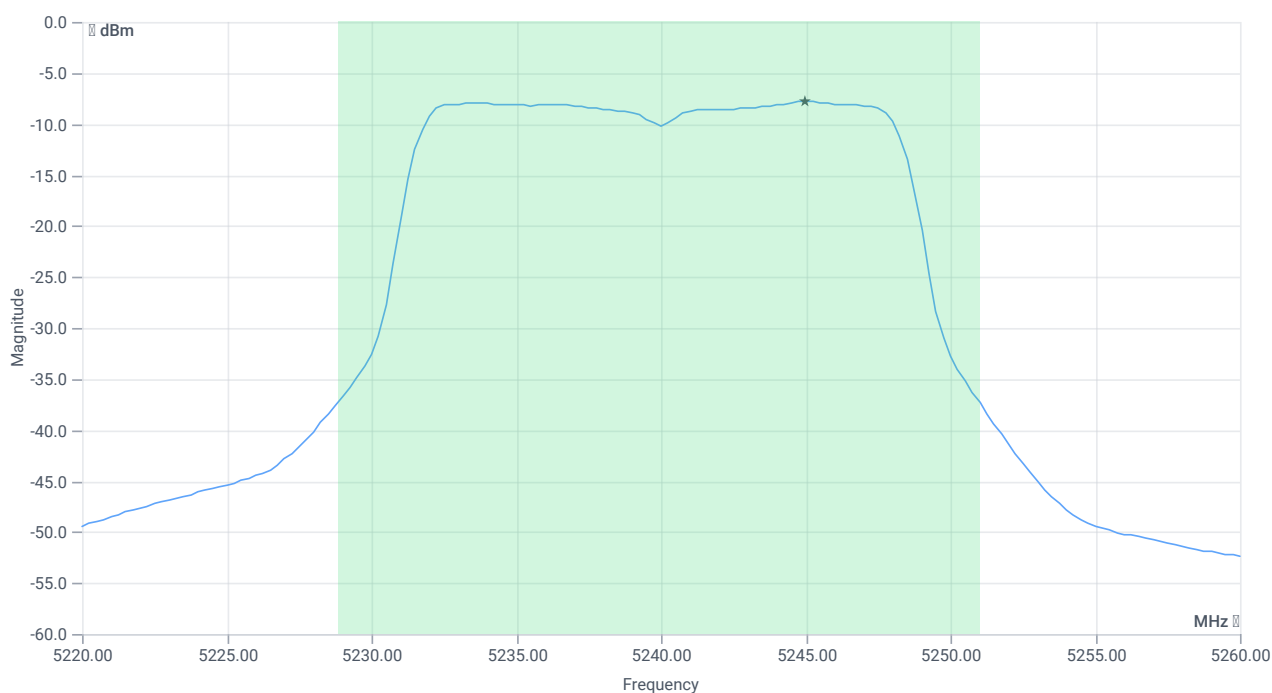
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5228.8400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5251.0000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.60   15.77   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.55     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.55     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.46       | 3.55     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.79    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.79    | dBm/1MHz | PASS    |

Verdict

PASS

# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:47:31                                             |
| Ambit temp [°C]   humidity [rel%] | 24.5   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5240 MHz

RESULT: Reference Power cond.

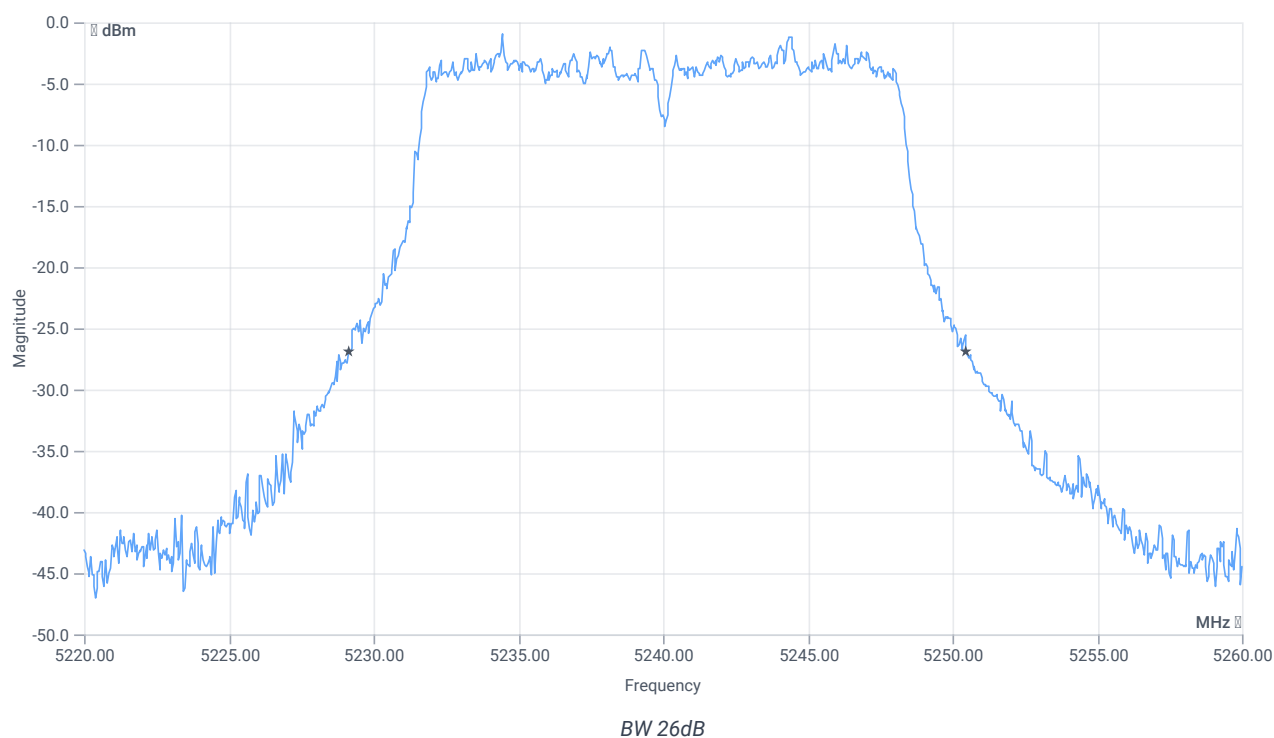
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 3.58     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5234.410 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



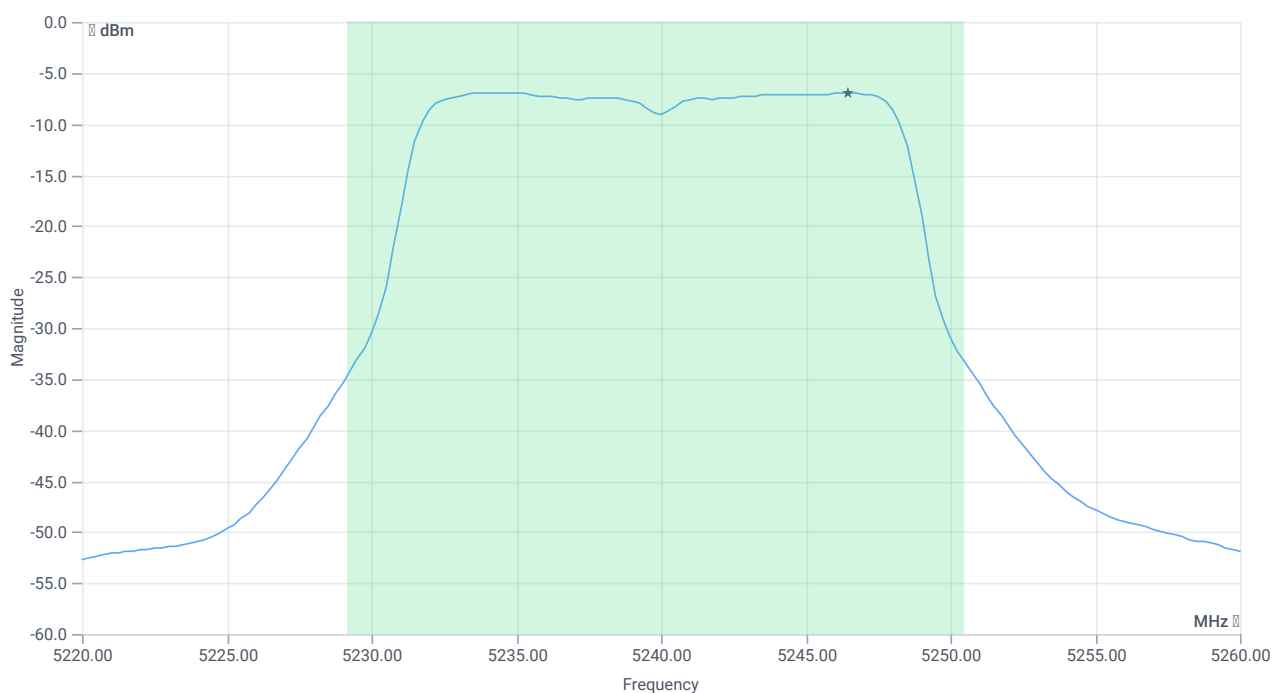
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.36     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5229.1200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5250.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.59   15.77   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.54     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 4.54     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.36  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.3        | 4.54     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -6.96    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -6.96    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:39:25                                             |
| Ambit temp [°C]   humidity [rel%] | 24.6   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5200 MHz

RESULT: Reference Power cond.

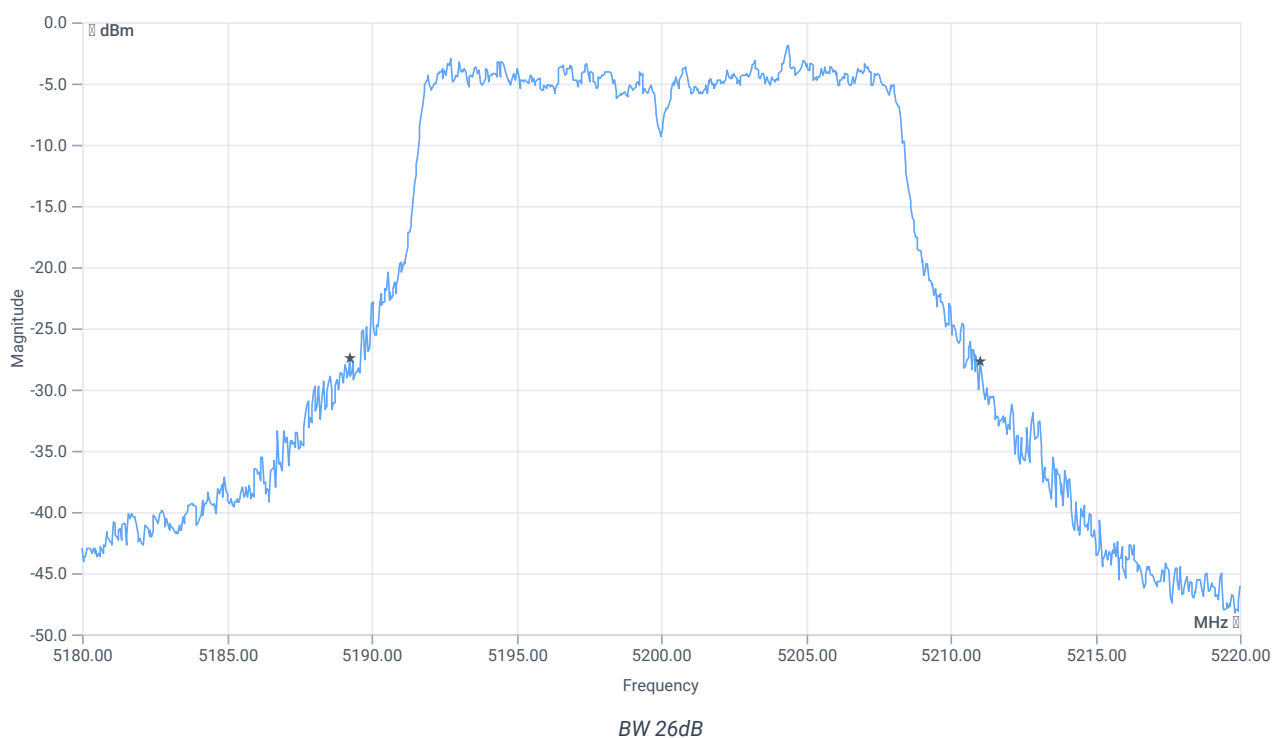
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.25     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5196.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



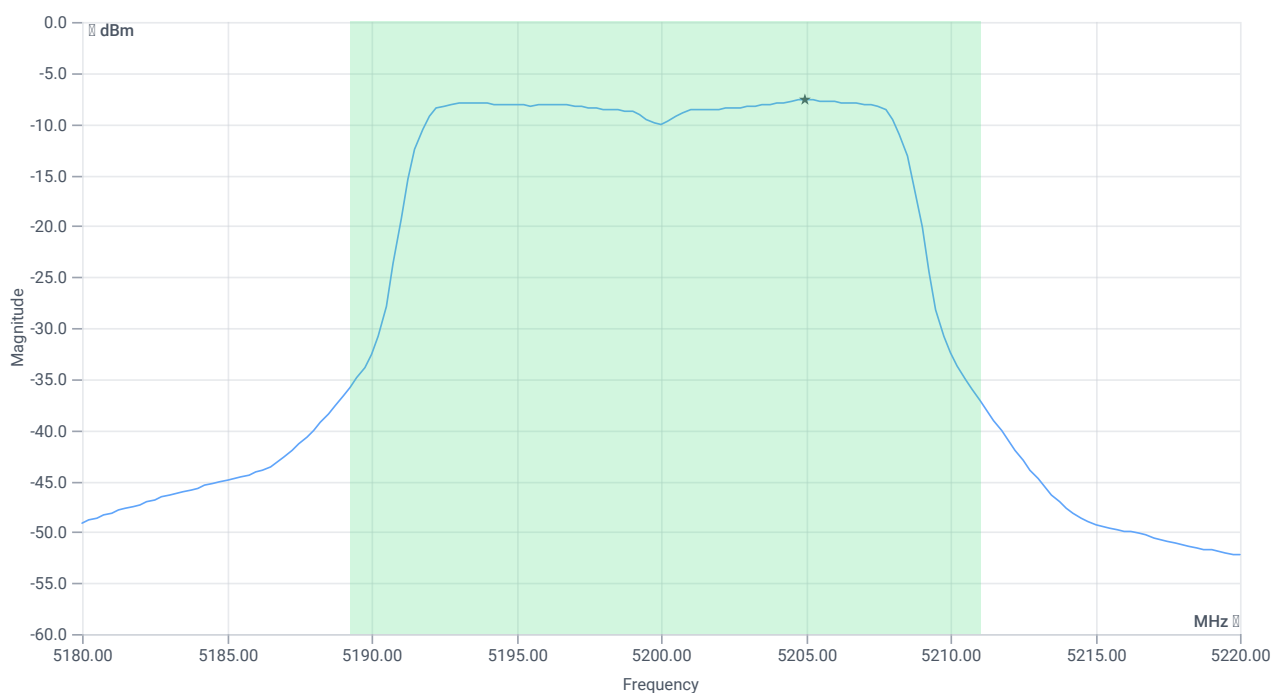
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5189.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5211.0400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.25   15.71   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.65     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.65     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.38       | 3.65     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.59    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.59    | dBm/1MHz | PASS    |

Verdict

PASS

# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:35:51                                             |
| Ambit temp [°C]   humidity [rel%] | 24.7   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5200 MHz

RESULT: Reference Power cond.

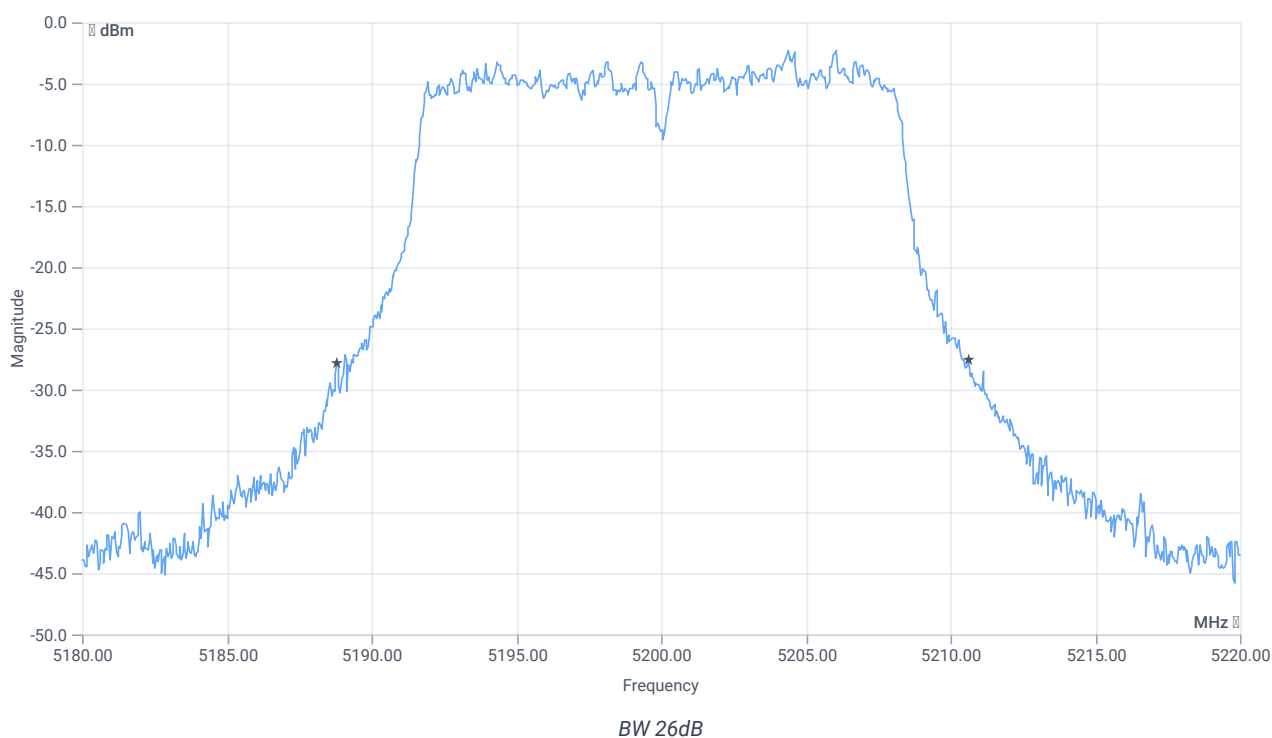
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.23     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5205.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



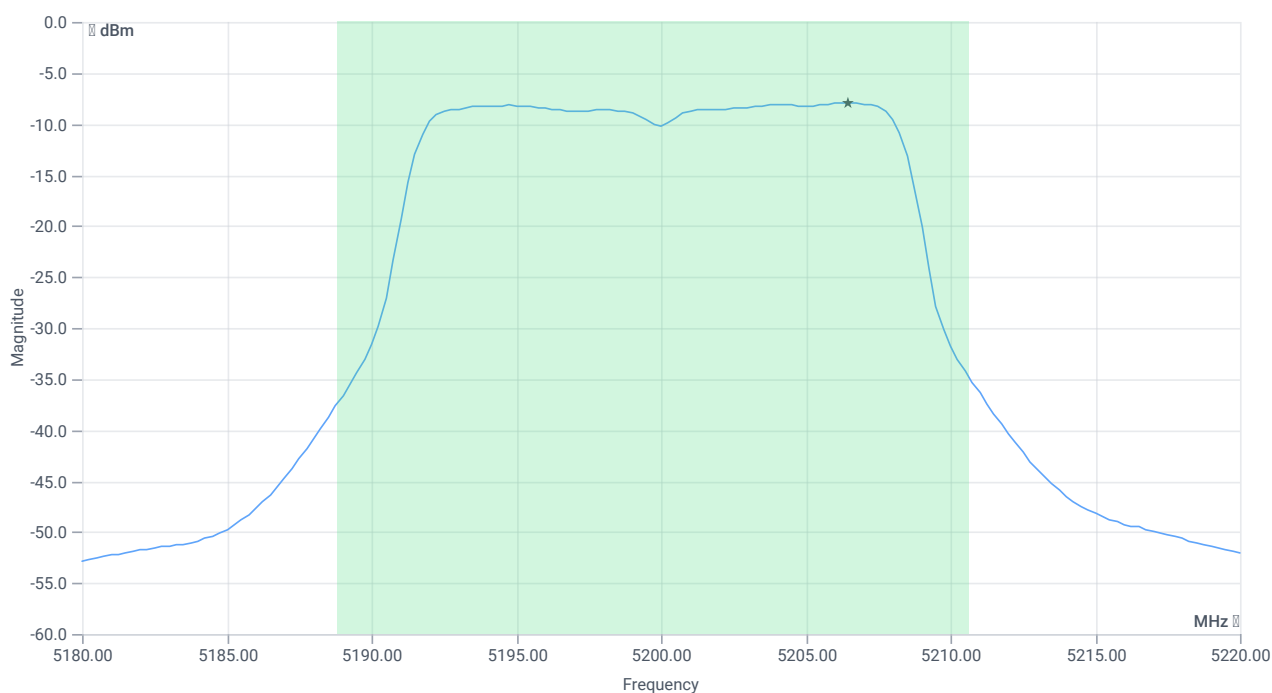
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.84     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5188.8000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5210.6400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.23   15.71   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.42     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.42     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.84  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.39       | 3.42     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.95    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.95    | dBm/1MHz | PASS    |

Verdict

PASS



# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:31:44                                             |
| Ambit temp [°C]   humidity [rel%] | 24.7   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5180                 |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5180 MHz

RESULT: Reference Power cond.

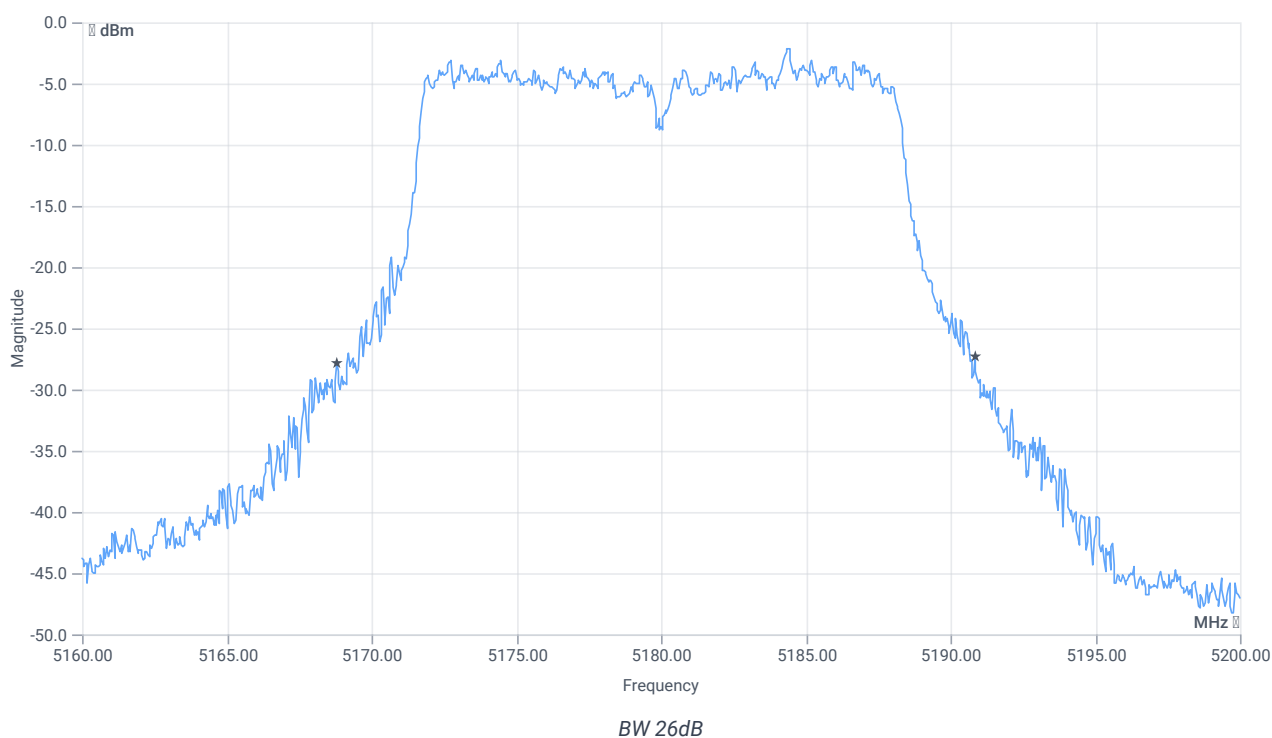
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.37     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5185.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



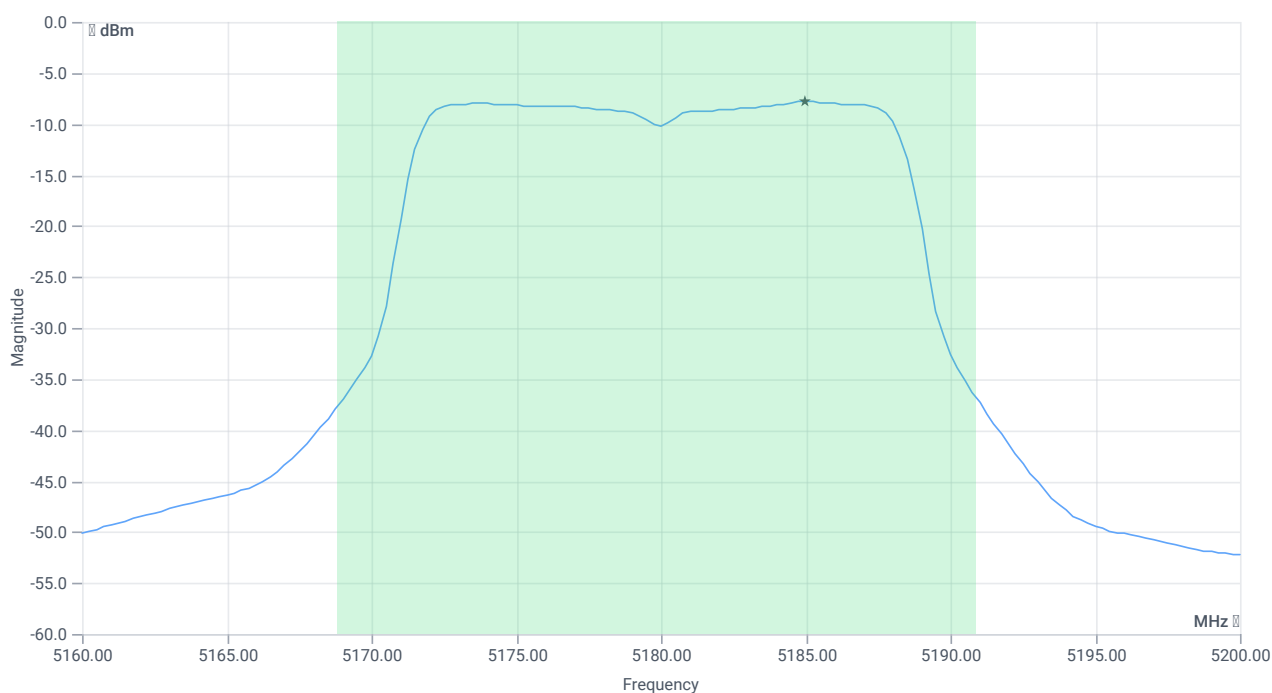
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.04     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5168.8000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5190.8400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.37   15.79   15    |
| Start [MHz]   Stop [MHz]                             | 5160.000   5200.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.53     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.53     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.04  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.43       | 3.53     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.8     | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.8     | dBm/1MHz | PASS    |

Verdict

PASS

# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 16.10.2023 19:28:06                                             |
| Ambit temp [°C]   humidity [rel%] | 24.7   29                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5180                 |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5180 MHz

RESULT: Reference Power cond.

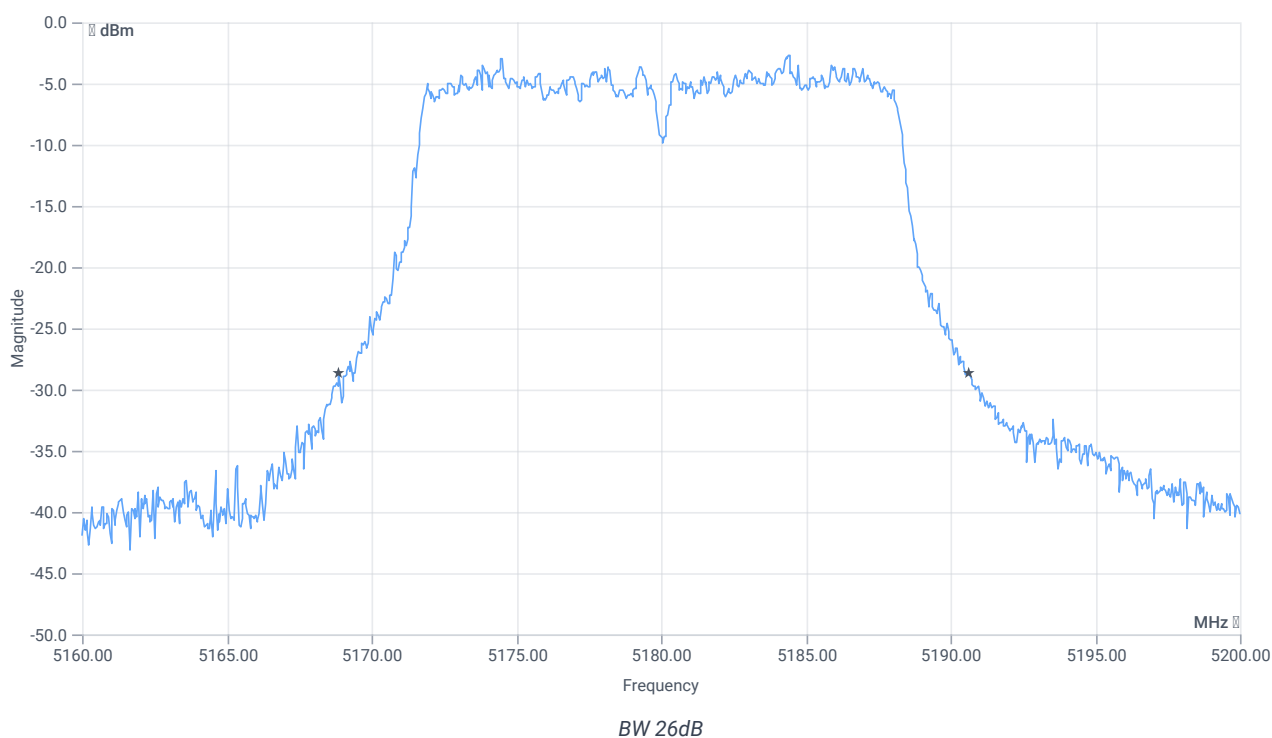
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.09     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5185.390 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



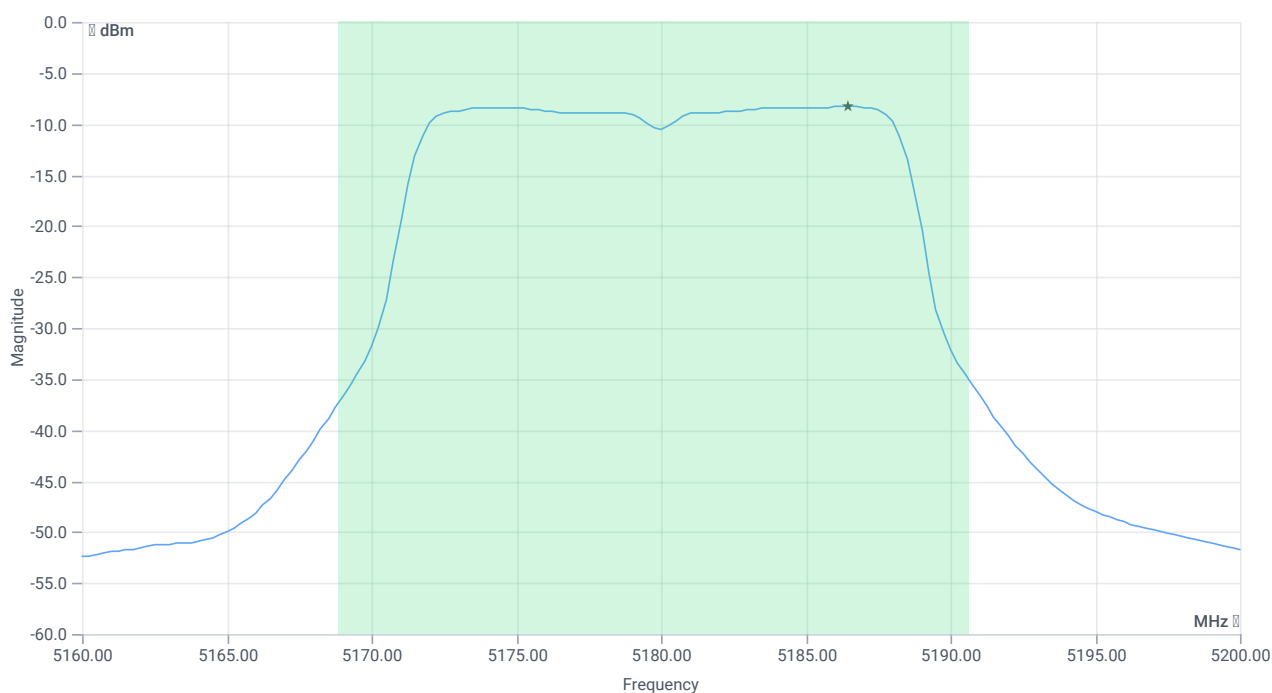
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.76     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5168.8800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5190.6400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.09   15.79   15    |
| Start [MHz]   Stop [MHz]                             | 5160.000   5200.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.17     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.17     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.76  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.38       | 3.17     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.26    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -8.26    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:39:44                                        |
| Ambit temp [°C]   humidity [rel%] | 26.6   26                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5240 MHz

RESULT: Reference Power cond.

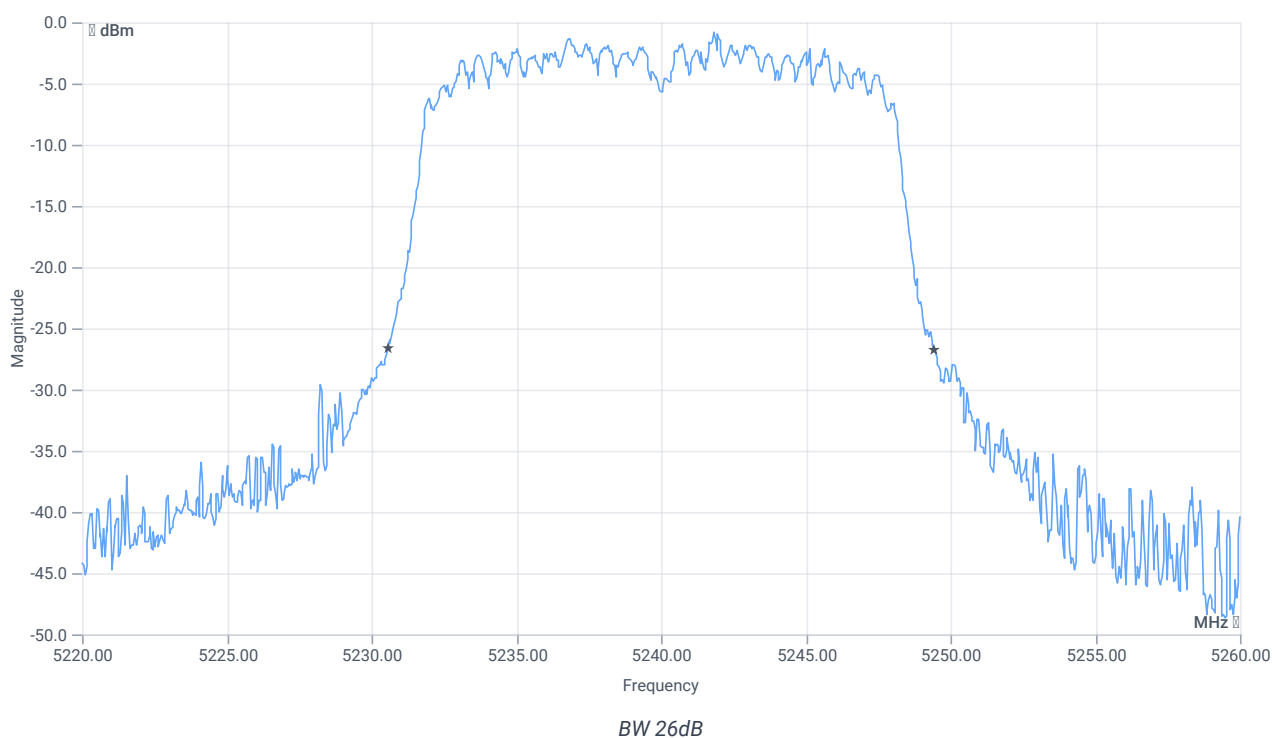
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 3.20     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5234.810 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



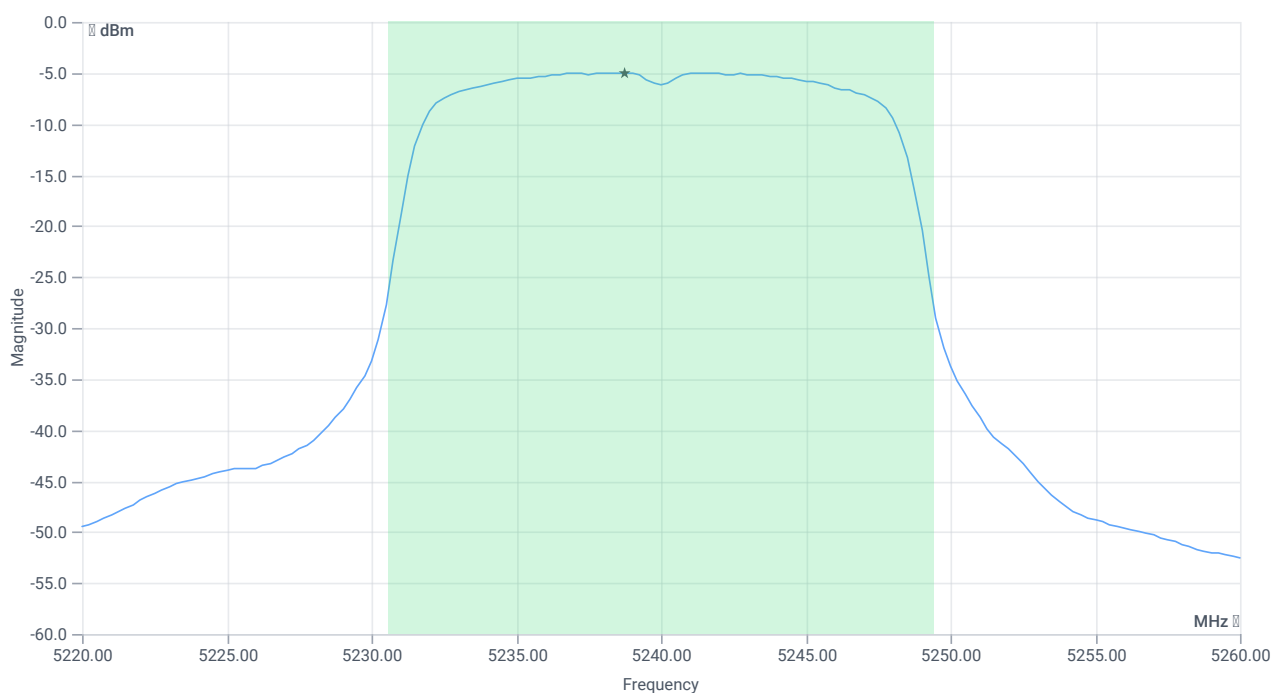
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.88     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5230.5600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5249.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.20   15.77   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 6.09     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.09     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.88  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.76       | 6.09     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -5       | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -5       | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:36:18                                        |
| Ambit temp [°C]   humidity [rel%] | 26.7   26                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5240 MHz

RESULT: Reference Power cond.

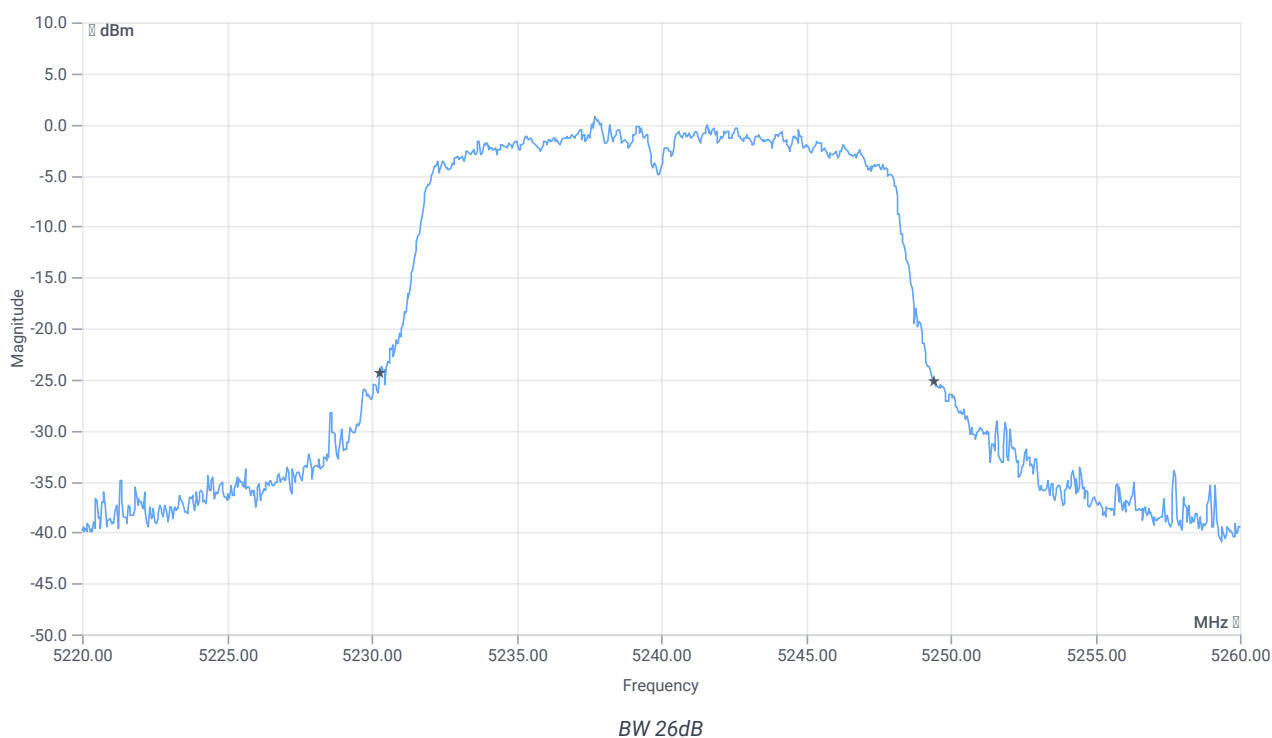
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 5.12     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5242.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



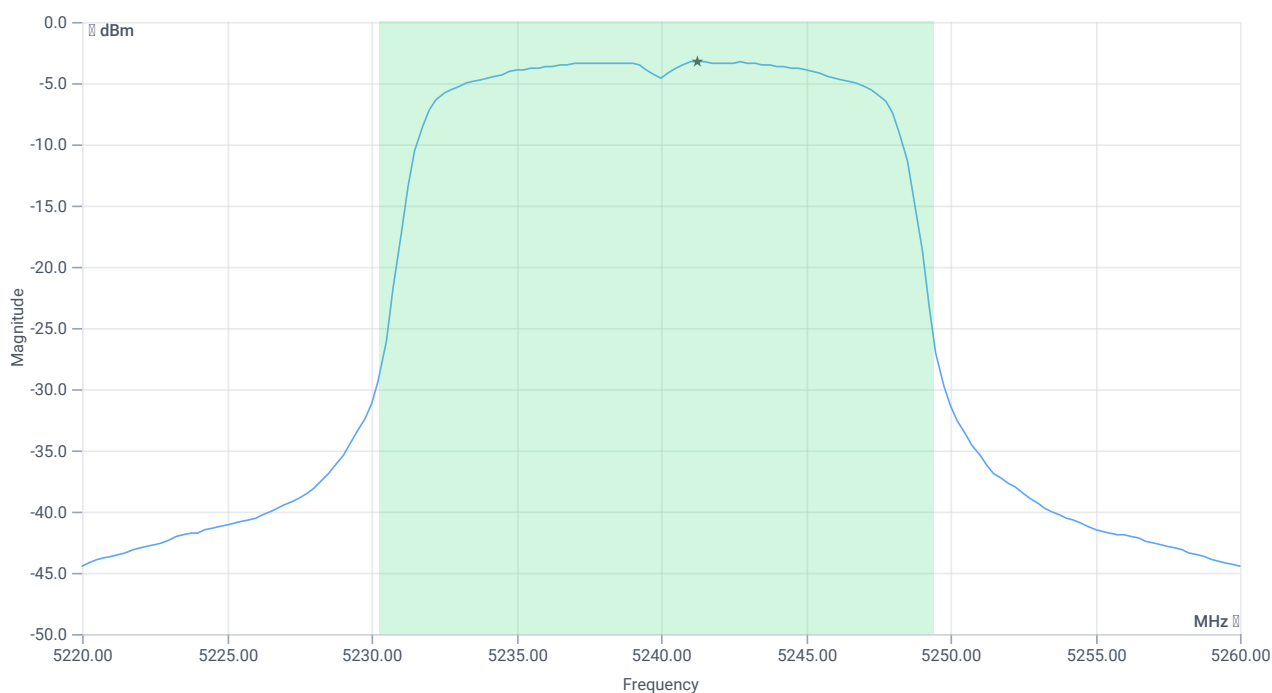
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5230.2800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5249.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 17.12   15.77   20    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 7.82     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 7.82     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.82       | 7.82     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -3.27    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -3.27    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:32:14                                        |
| Ambit temp [°C]   humidity [rel%] | 26.9   26                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5200 MHz

RESULT: Reference Power cond.

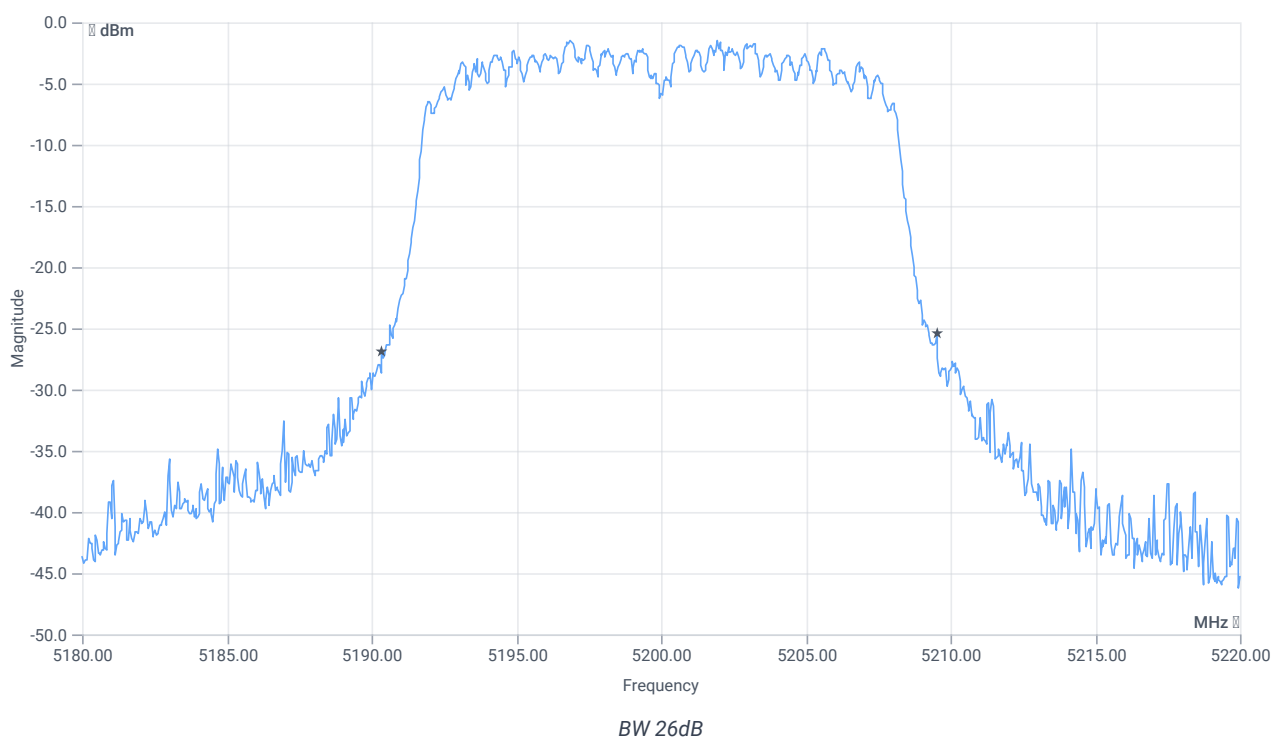
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 4.44     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5202.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



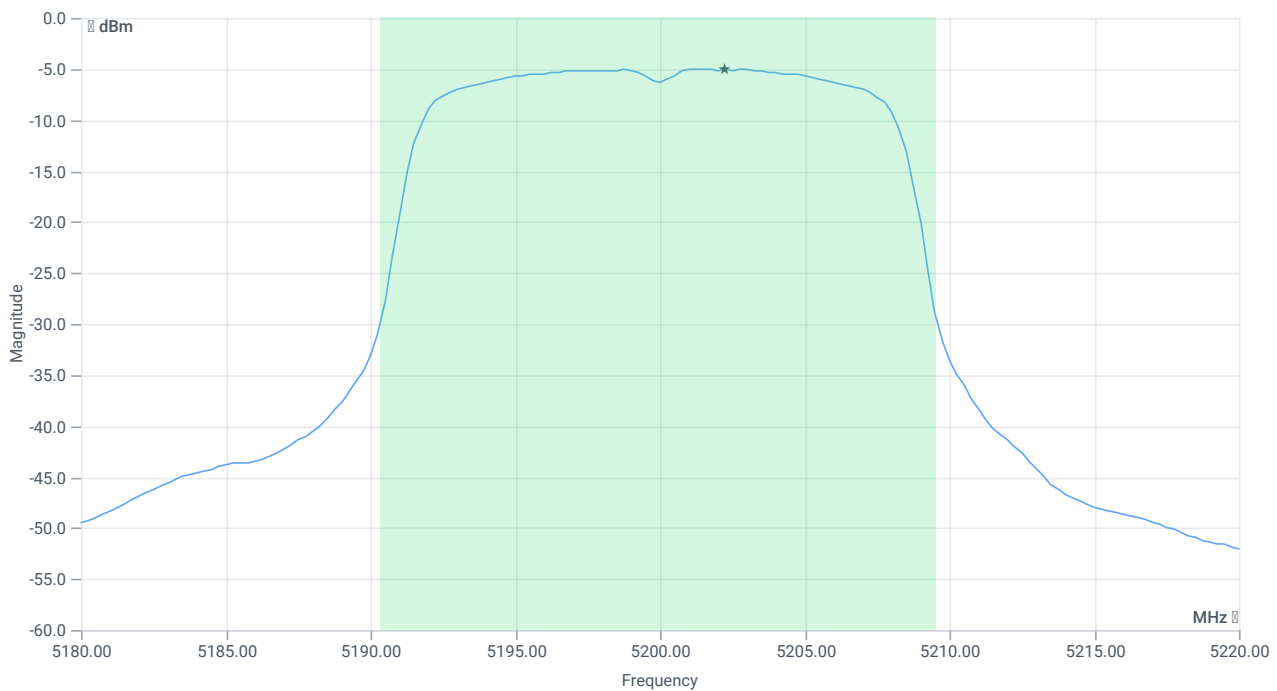
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5190.3600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5209.5200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 16.44   15.71   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 6.06     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.06     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.82       | 6.06     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -5.03    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -5.03    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:28:40                                        |
| Ambit temp [°C]   humidity [rel%] | 27.1   26                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5200 MHz

RESULT: Reference Power cond.

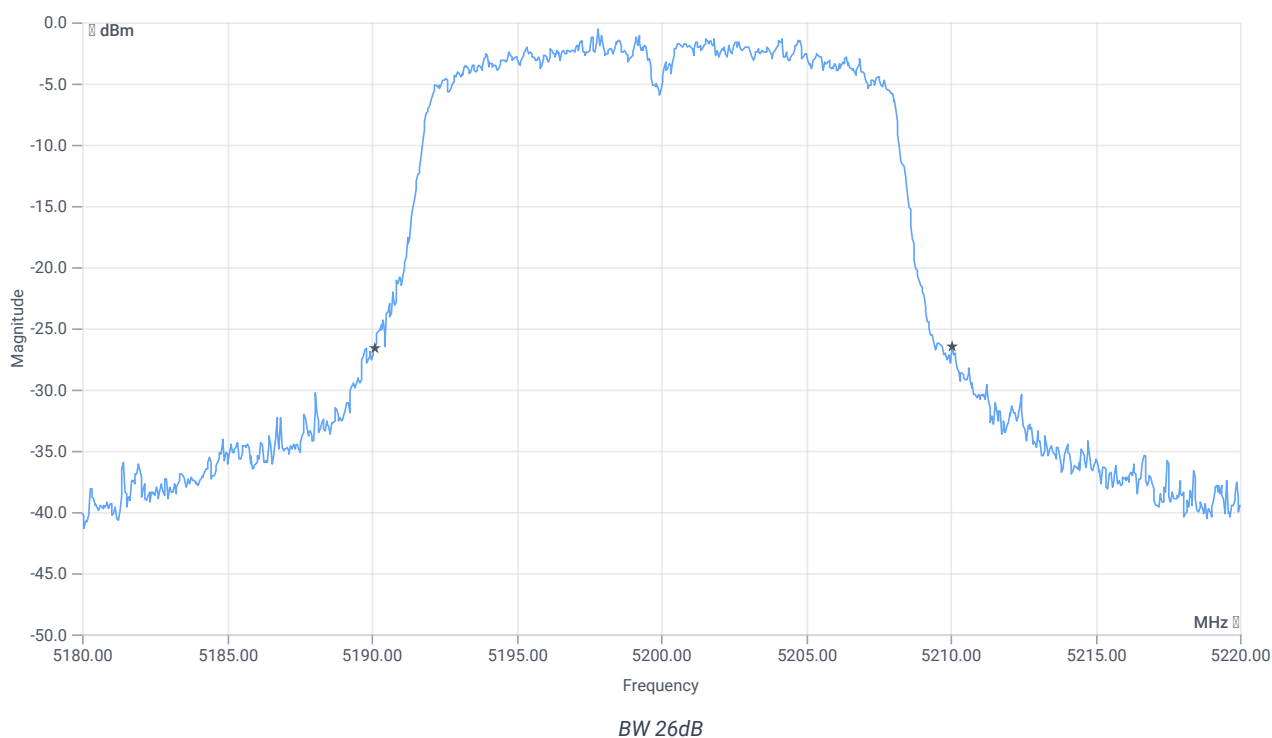
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 3.38     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5198.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



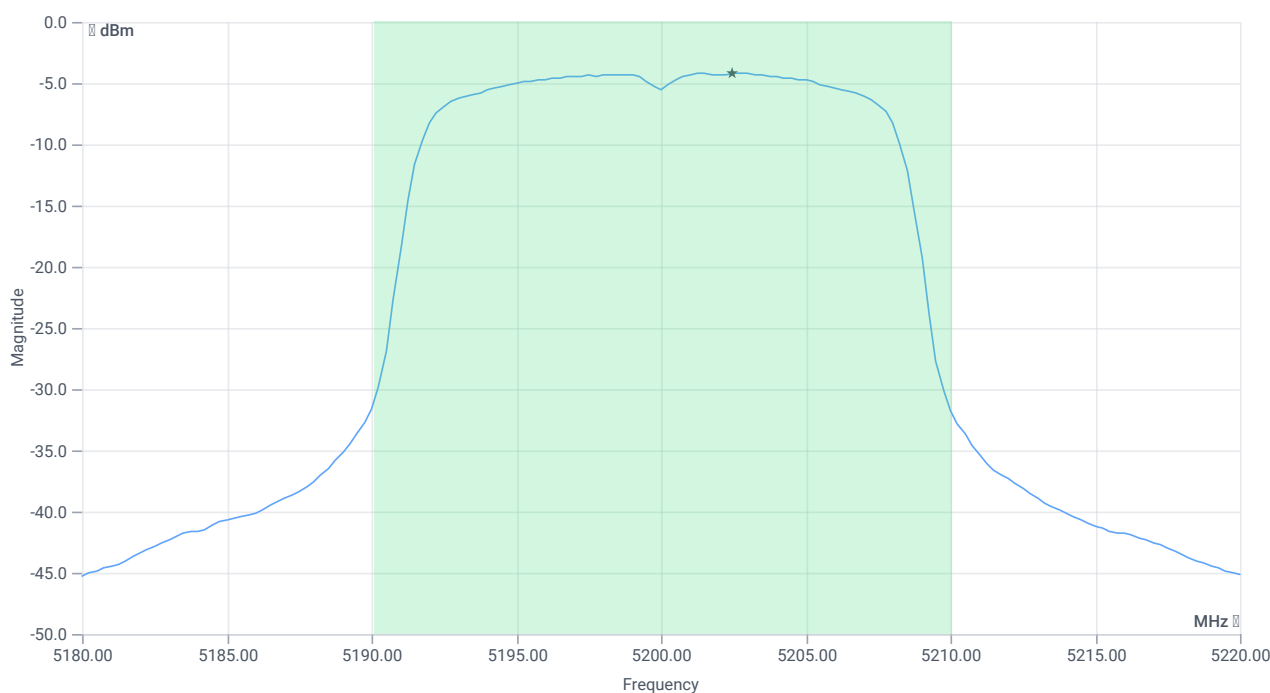
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.96     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5190.1200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5210.0800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.38   15.71   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 6.88     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.88     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.96  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.88     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -4.21    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -4.21    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:24:29                                        |
| Ambit temp [°C]   humidity [rel%] | 27.3   26                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5180                 |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5180 MHz

RESULT: Reference Power cond.

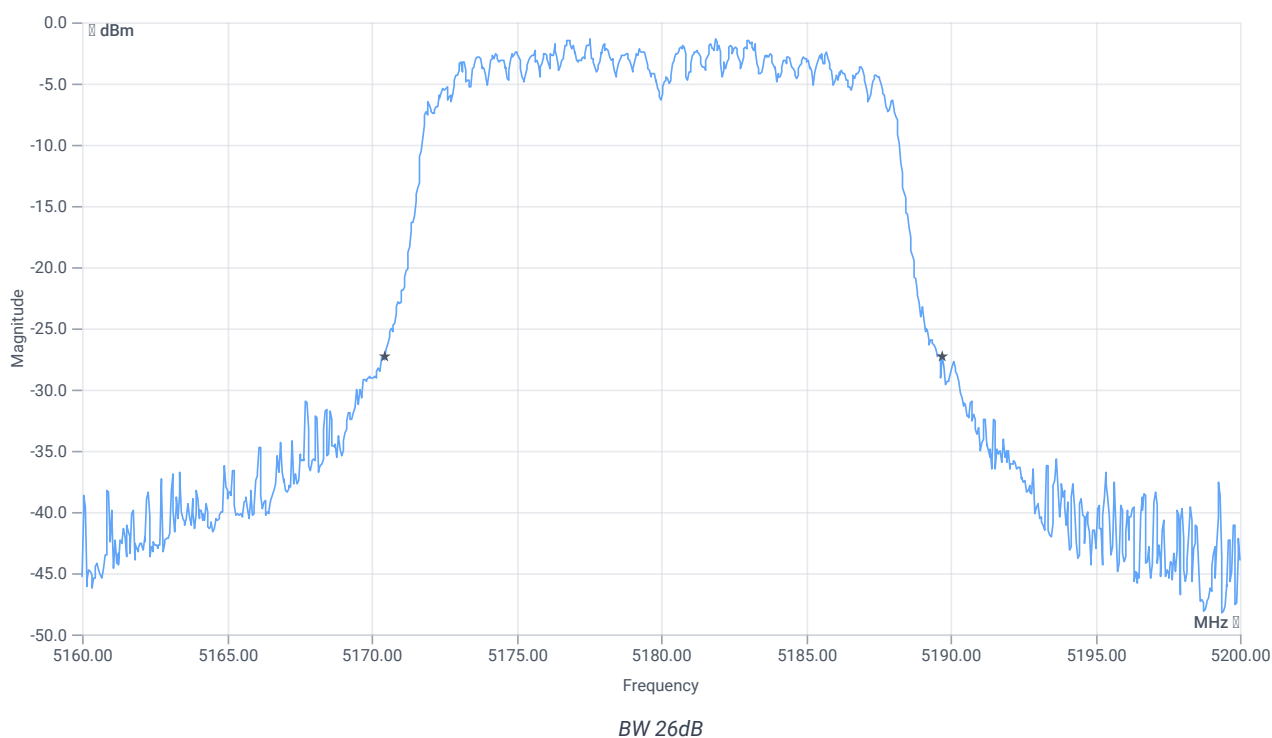
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 3.39     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5177.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



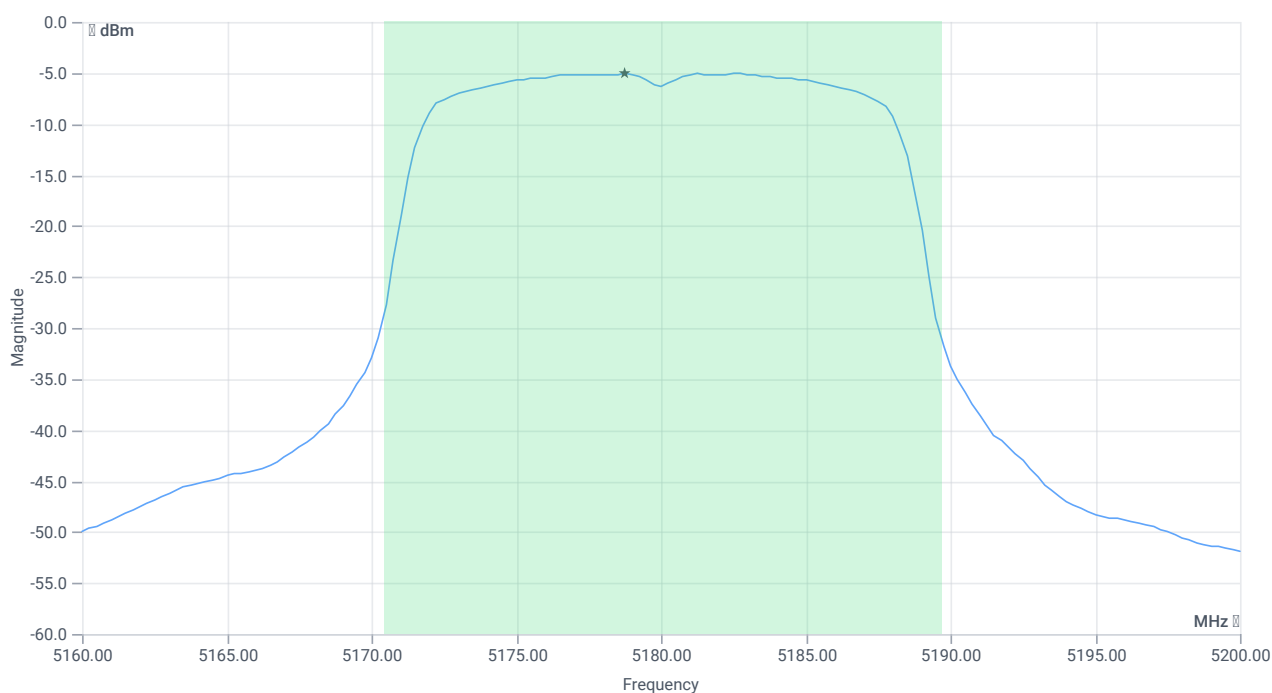
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.24     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5170.4800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5189.7200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.39   15.79   15    |
| Start [MHz]   Stop [MHz]                             | 5160.000   5200.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 6.04     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.04     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.24  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.84       | 6.04     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -5.09    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -5.09    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 17:20:51                                        |
| Ambit temp [°C]   humidity [rel%] | 27.6   25                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5180                 |
| Frequency mid to test                            | False   Freq [MHz] 5200                |
| Frequency high to test                           | False   Freq [MHz] 5240                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5180 MHz

RESULT: Reference Power cond.

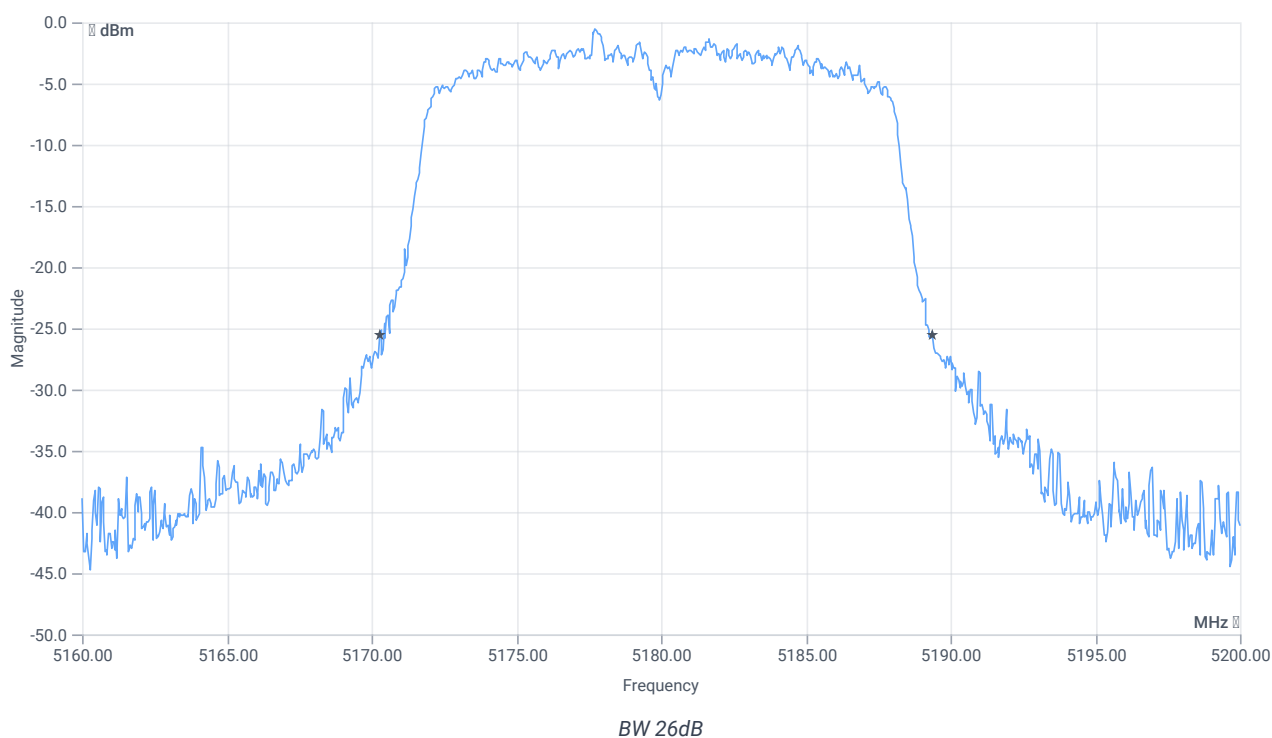
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 3.74     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5177.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



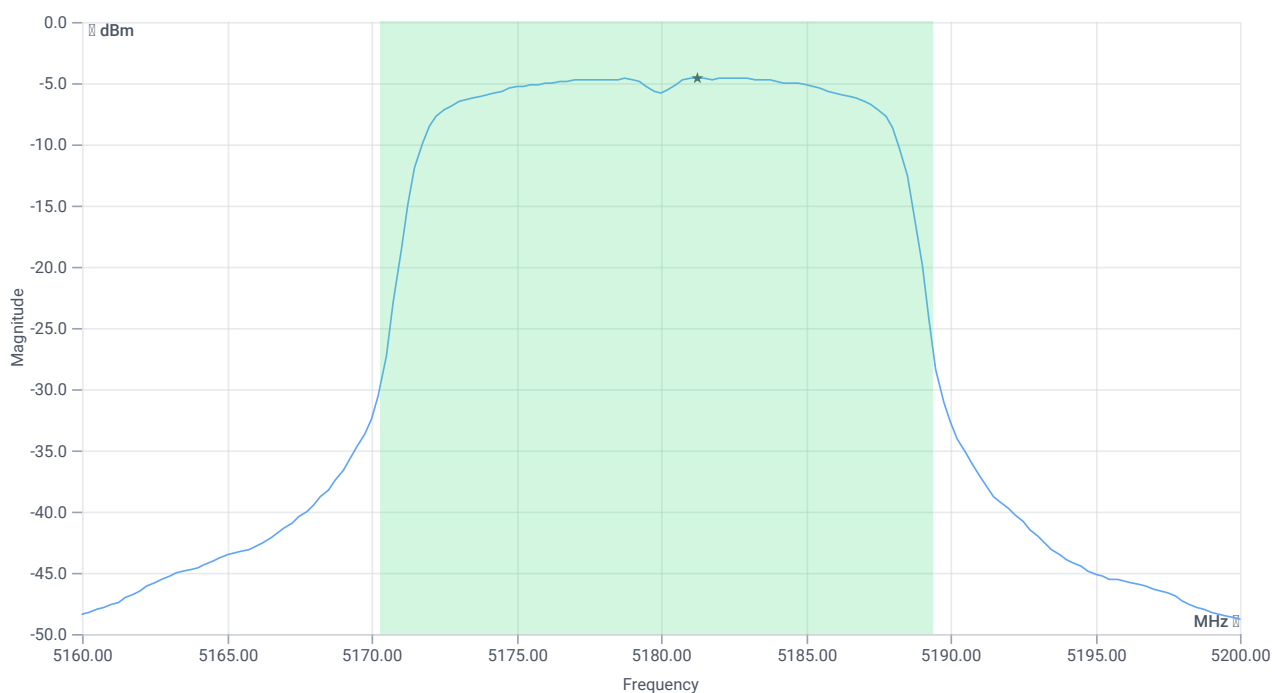
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.12     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5170.2800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5189.4000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 15.74   15.79   15    |
| Start [MHz]   Stop [MHz]                             | 5160.000   5200.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 6.52     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 6.52     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.12  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.81       | 6.52     | dBm  | na      |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -4.6     | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -4.6     | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 16:02:10                                               |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407   NI                                                   |
| Method                            | KDB789033 D02, F., E.2.e.                                         |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5775 MHz

RESULT: Reference Power cond.

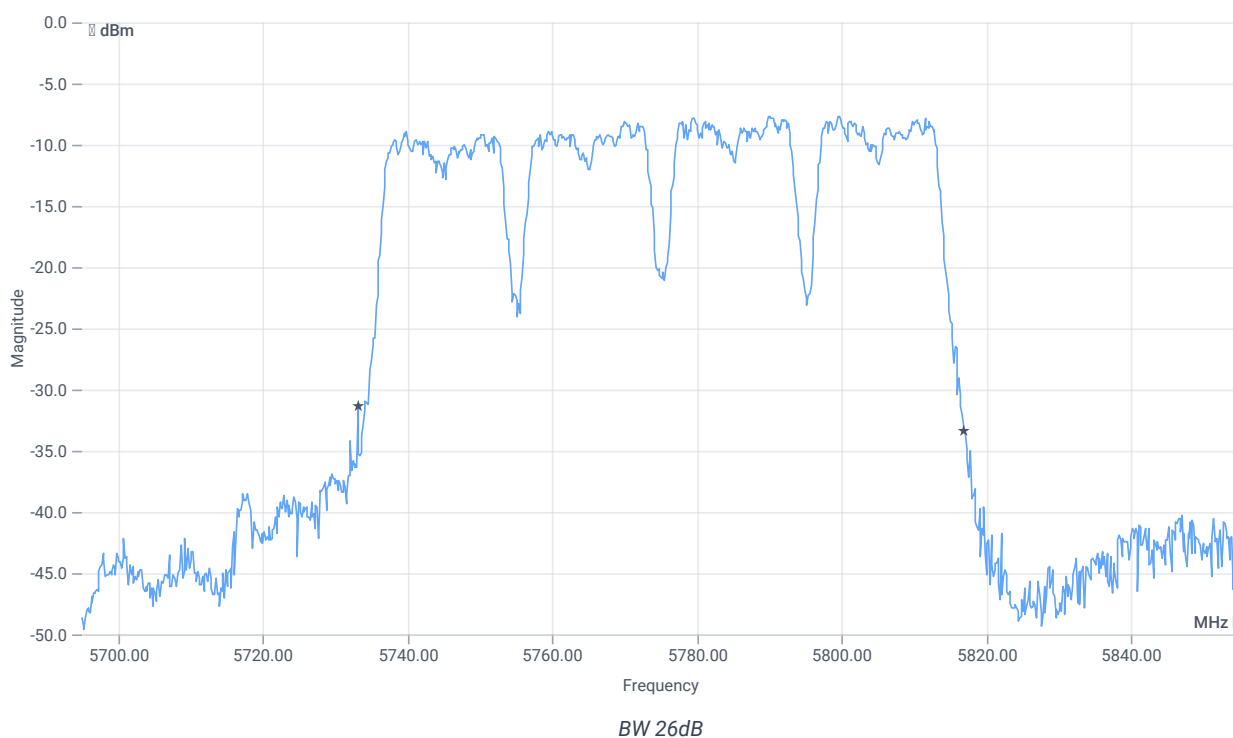
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -8.52    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5777.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



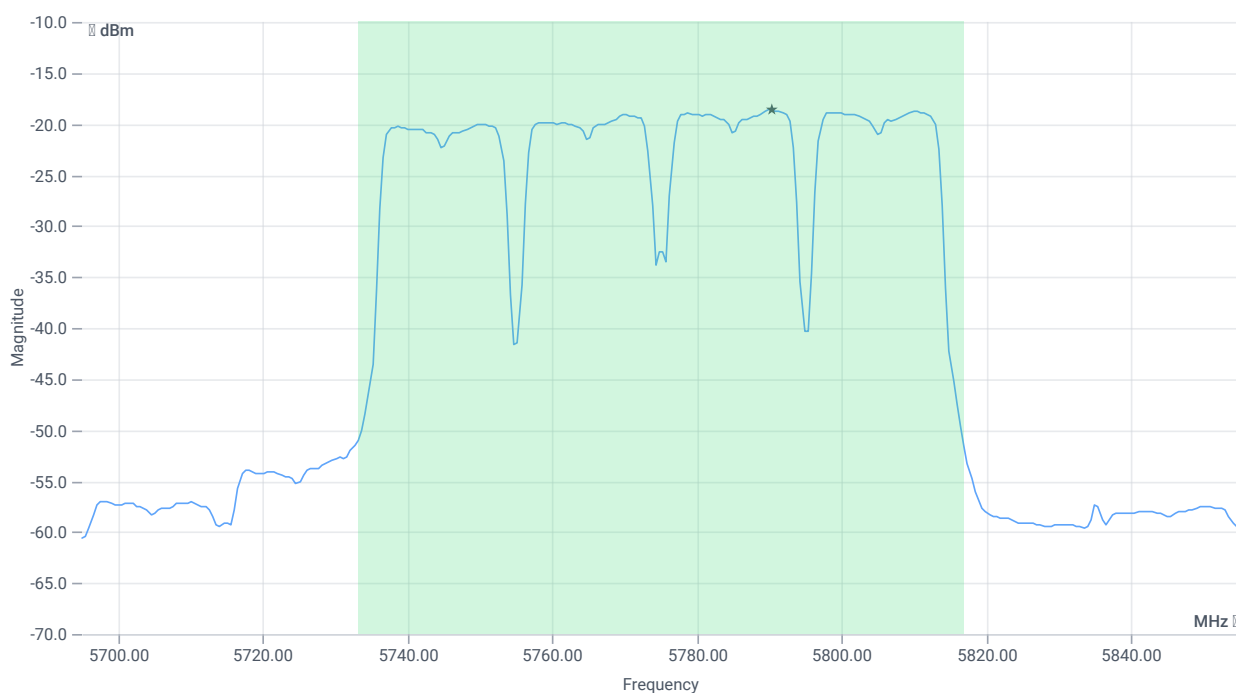
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.84     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5733.0800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5816.9200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.48   16.12   5       |
| Start [MHz]   Stop [MHz]                             | 5695.000   5855.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.79    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -1.79    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.84  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.23       | -1.79    | dBm  | na      |

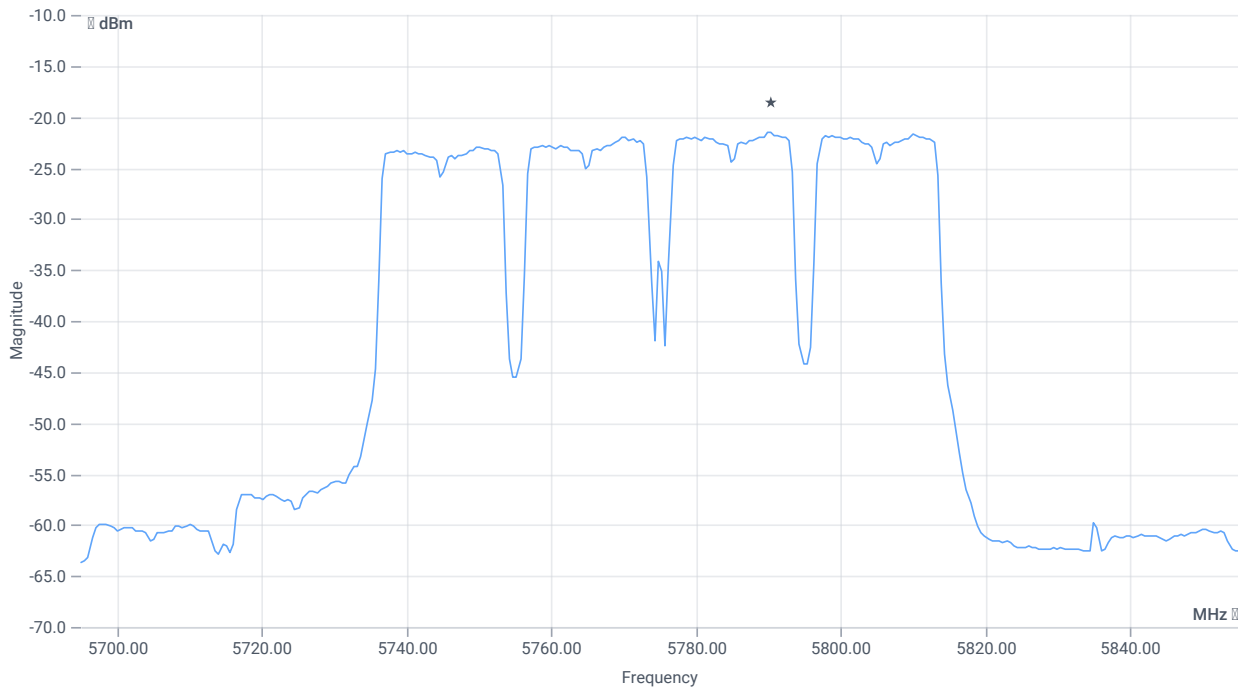
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 3.48   16.12   5    |
| Start [MHz]   Stop [MHz]                           | 5695.000   5855.000 |

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -21.53   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -21.53   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:52:16                                               |
| Ambit temp [°C]   humidity [rel%] | 23.4   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407   NI                                                   |
| Method                            | KDB789033 D02, F., E.2.e.                                         |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5775 MHz

RESULT: Reference Power cond.

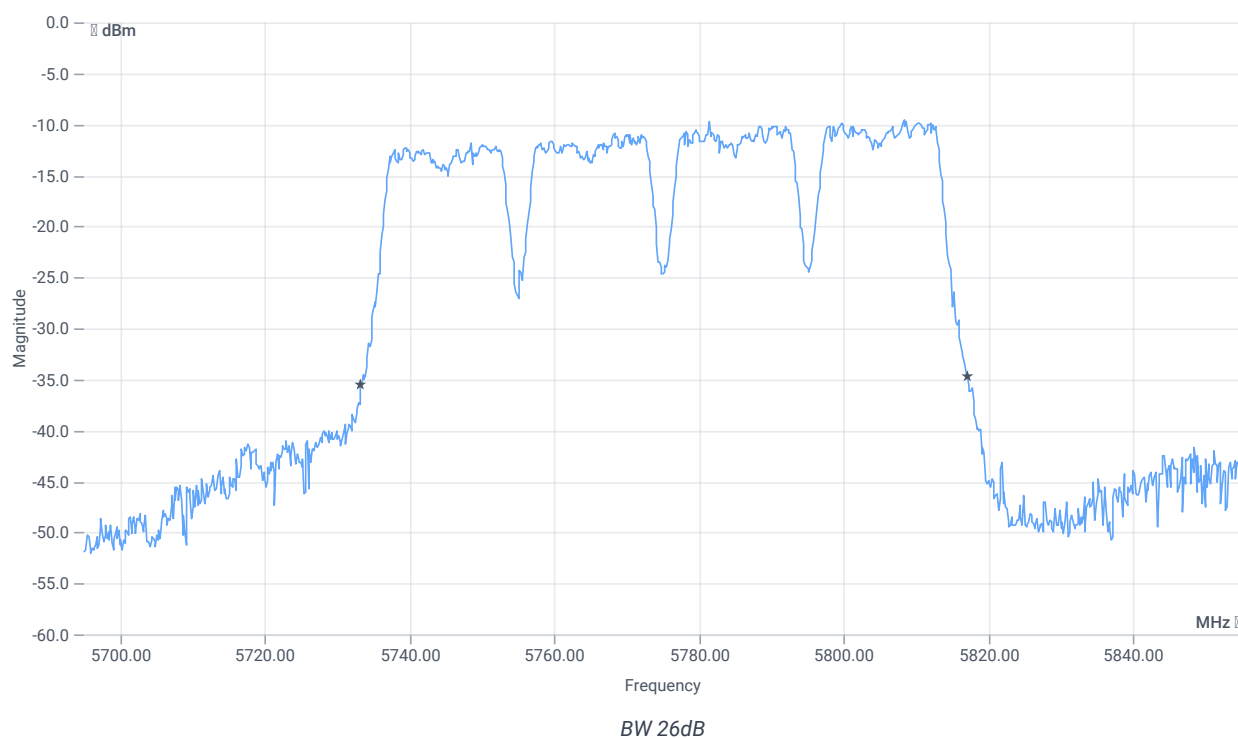
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -9.91    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5791.780 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



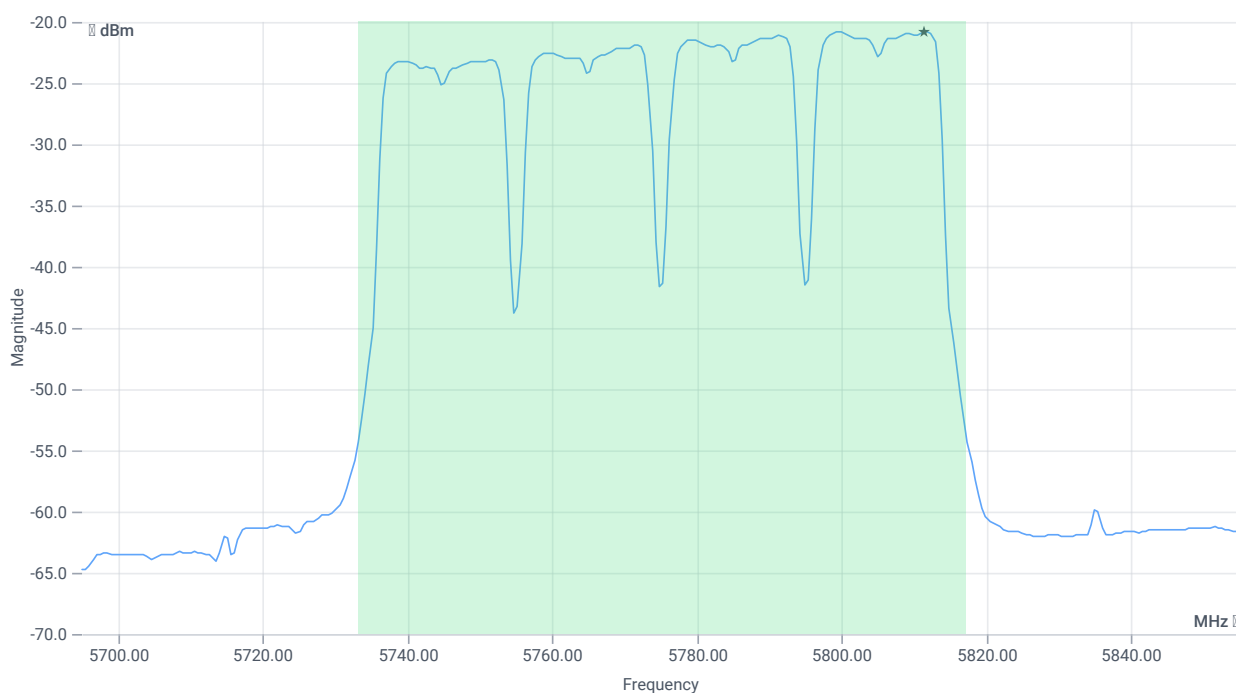
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.84     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5733.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5817.0800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.09   16.12   0       |
| Start [MHz]   Stop [MHz]                             | 5695.000   5855.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -4.28    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -4.28    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.84  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.23       | -4.28    | dBm  | na      |

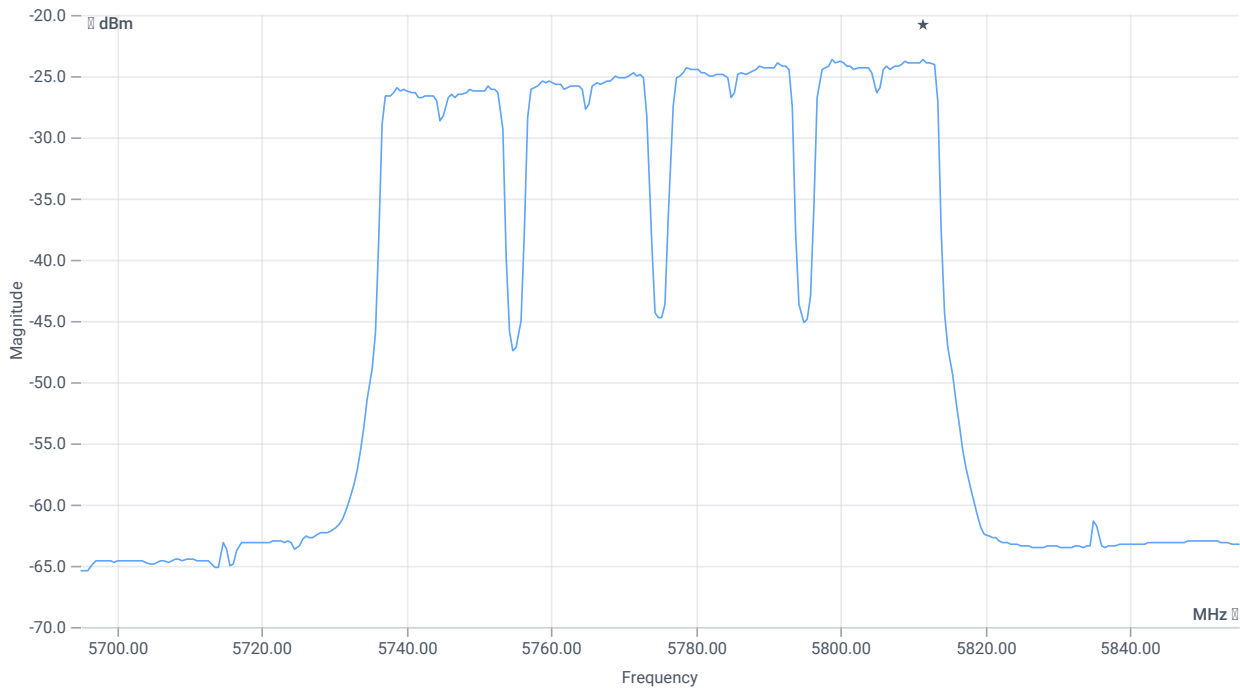
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 2.09   16.12   5    |
| Start [MHz]   Stop [MHz]                           | 5695.000   5855.000 |

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -23.63   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -23.63   | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:47:38                                             |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5795 MHz

RESULT: Reference Power cond.

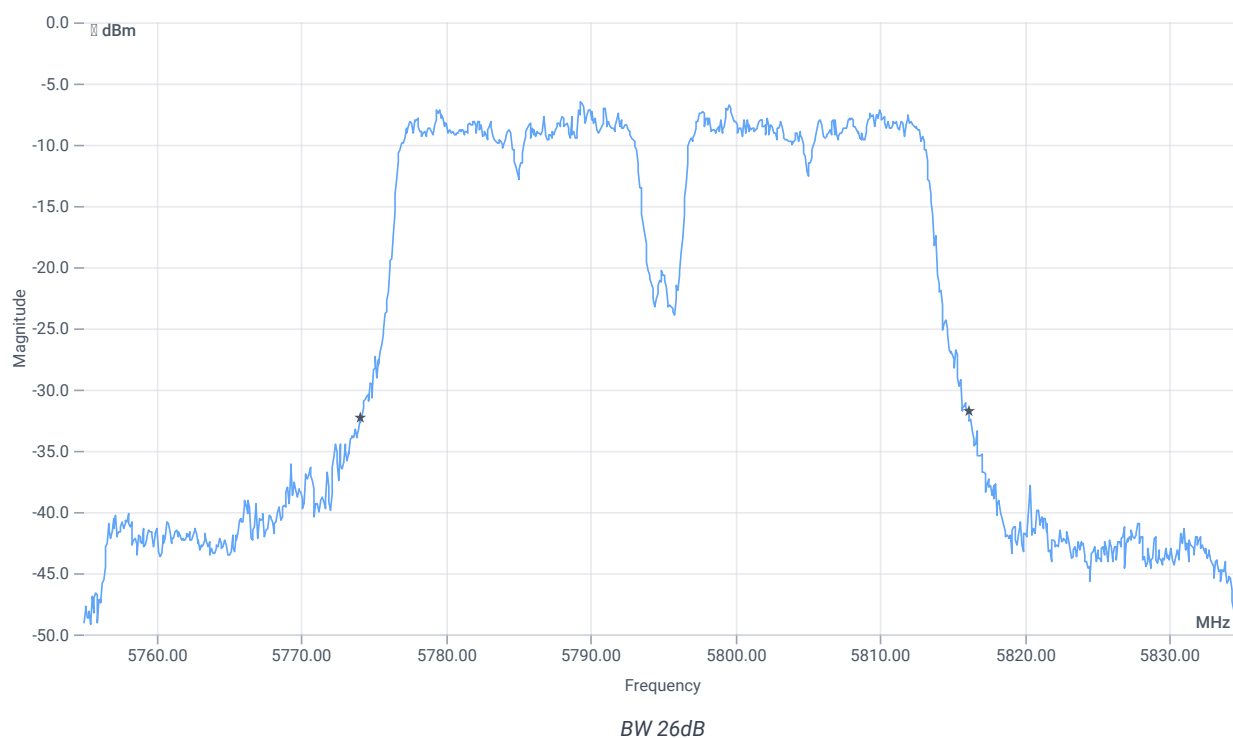
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -4.08    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5791.800 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



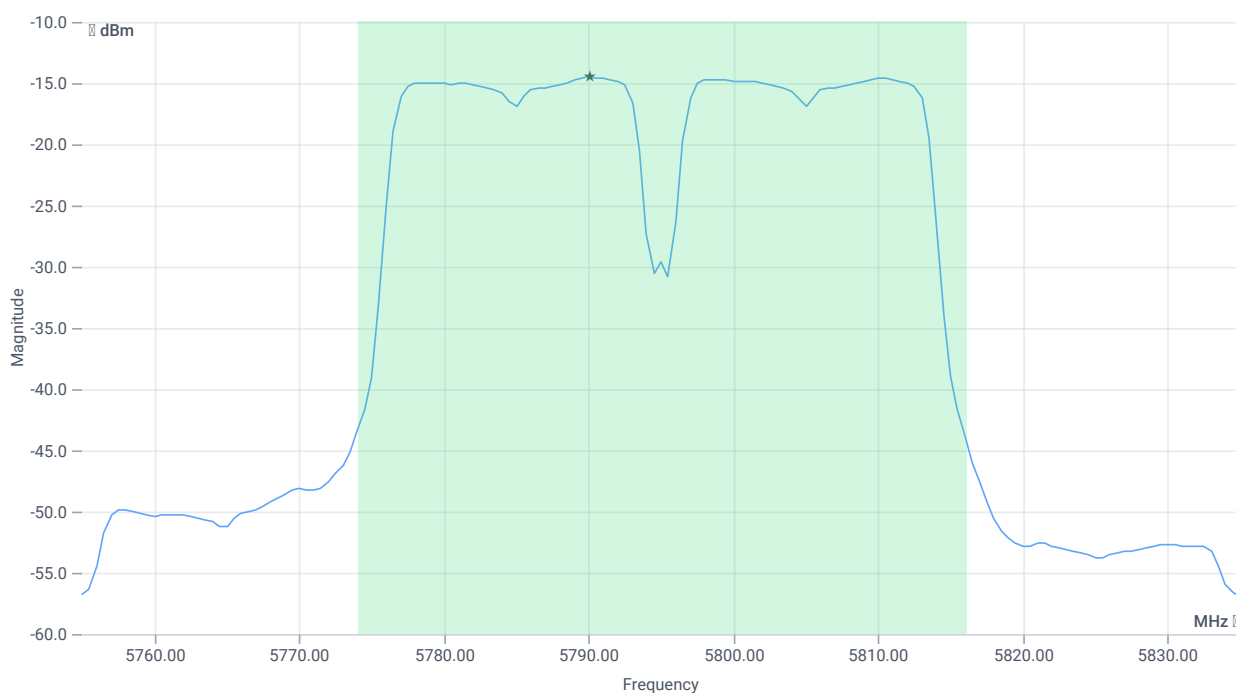
RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.08     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5774.0400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5816.1200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.92   16.07   10     |
| Start [MHz]   Stop [MHz]                             | 5755.000   5835.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.2     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -0.2     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.08  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.24       | -0.2     | dBm  | na      |

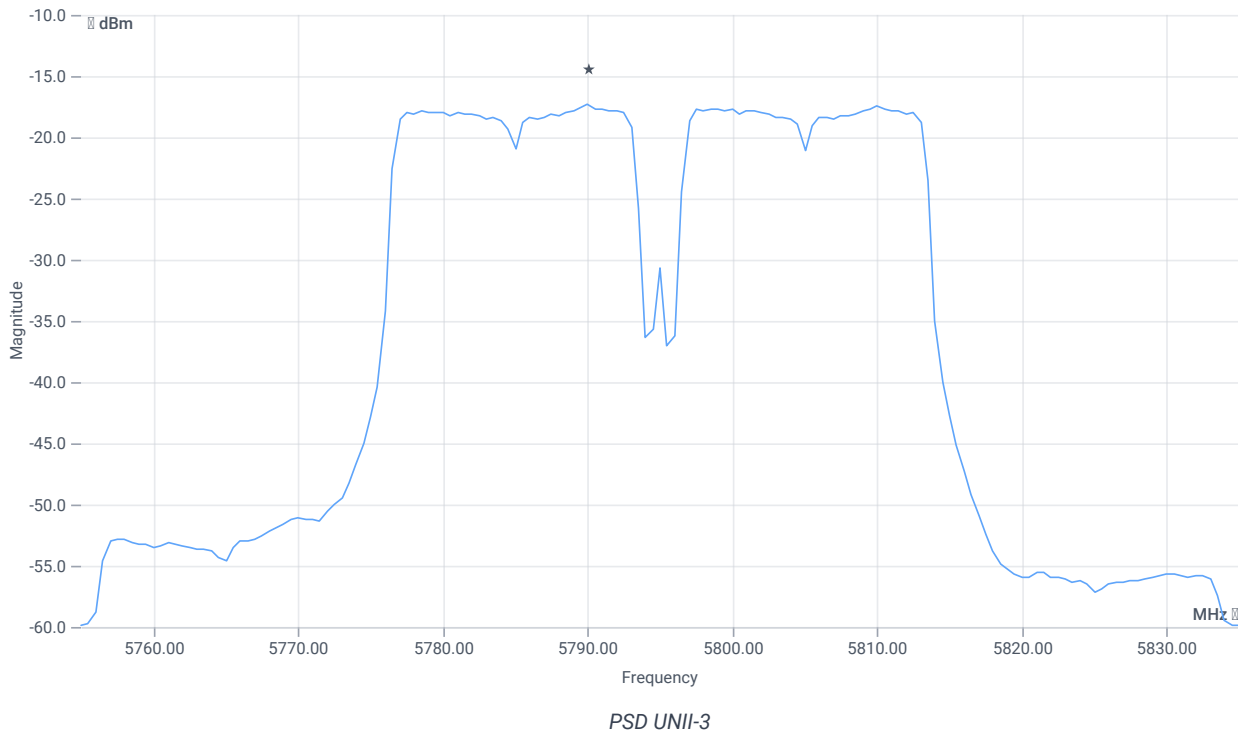
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 7.92   16.07   10   |
| Start [MHz]   Stop [MHz]                           | 5755.000   5835.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -17.35   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -17.35   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:41:49                                             |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5795 MHz

RESULT: Reference Power cond.

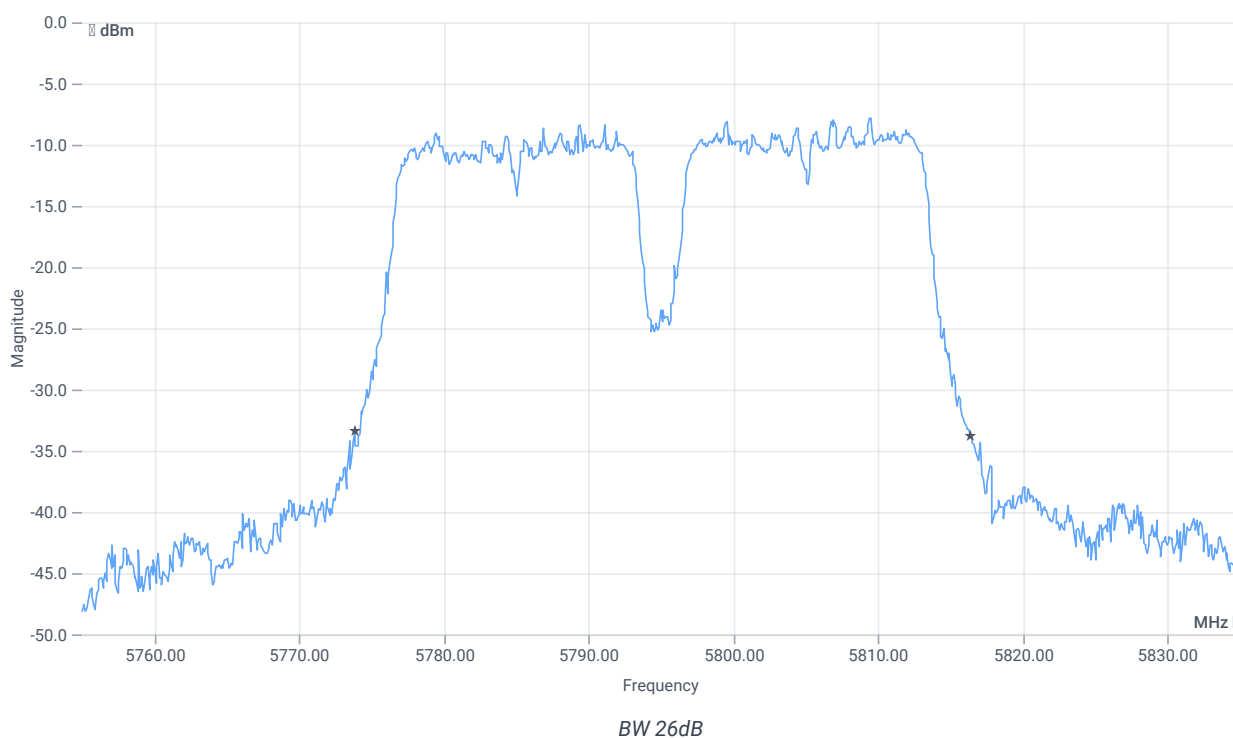
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -4.86    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5810.580 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



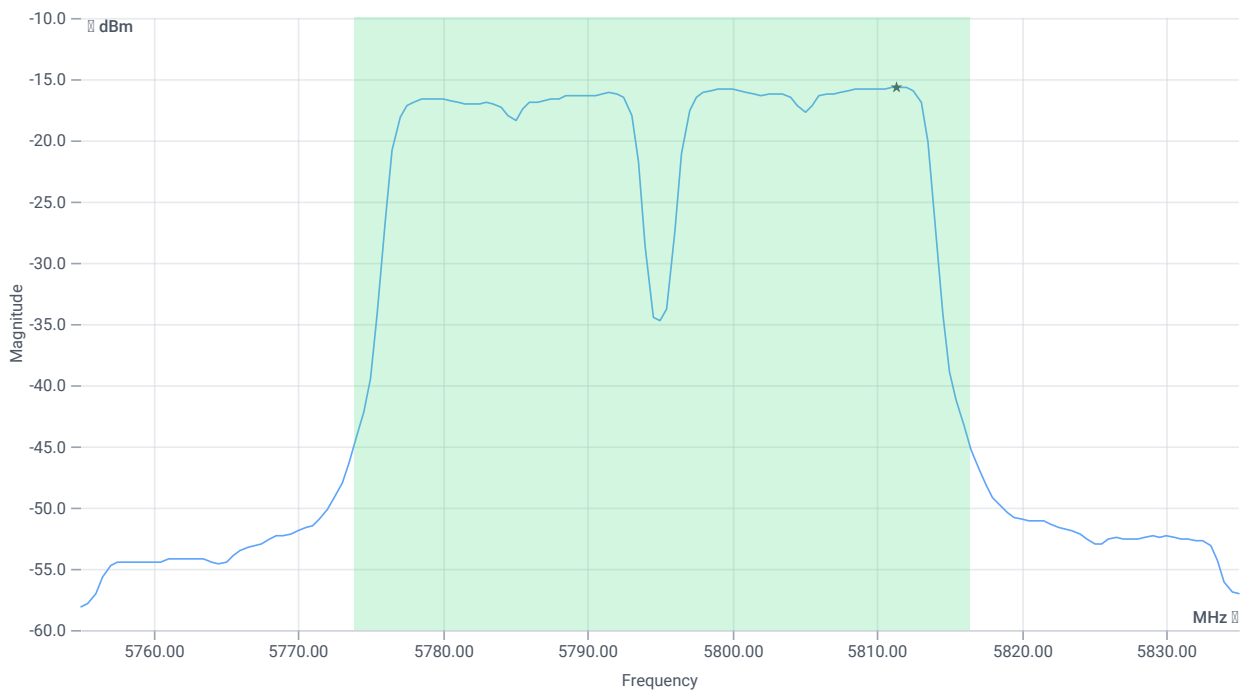
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.56     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5773.8000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5816.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.14   16.07   10     |
| Start [MHz]   Stop [MHz]                             | 5755.000   5835.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.48    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -1.48    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.56  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.29       | -1.48    | dBm  | na      |

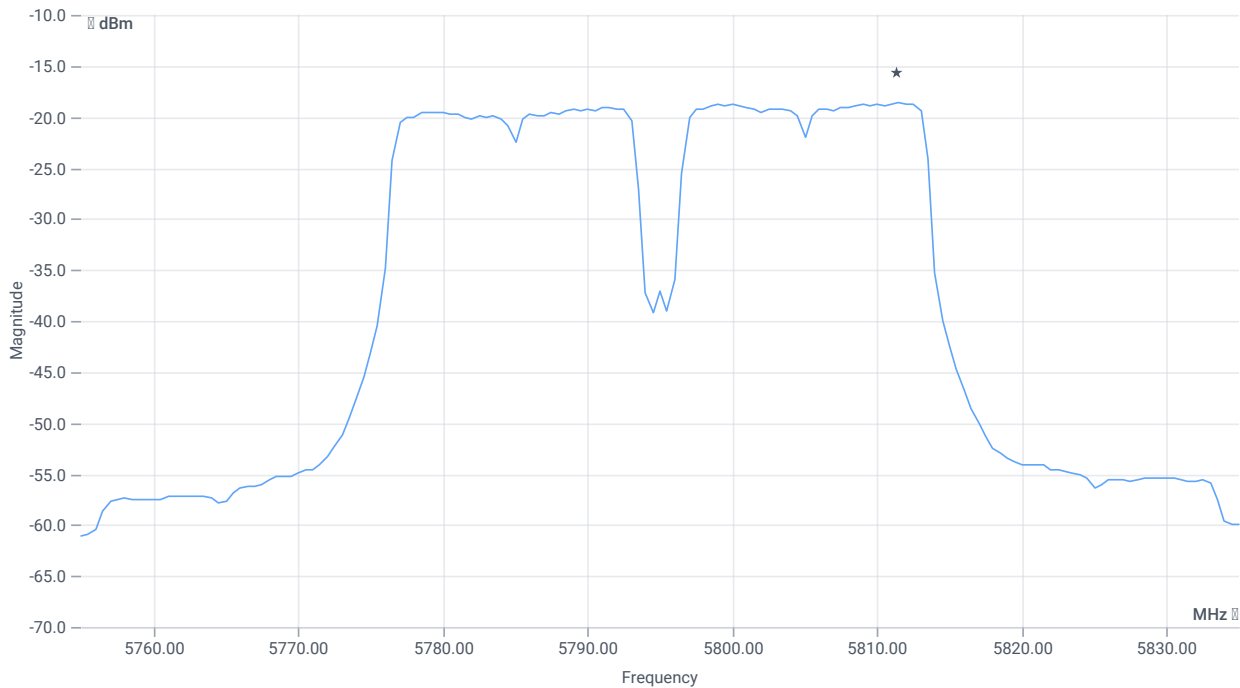
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 7.14   16.07   10   |
| Start [MHz]   Stop [MHz]                           | 5755.000   5835.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -18.55   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -18.55   | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:34:17                                             |
| Ambit temp [°C]   humidity [rel%] | 23.0   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5755 MHz

RESULT: Reference Power cond.

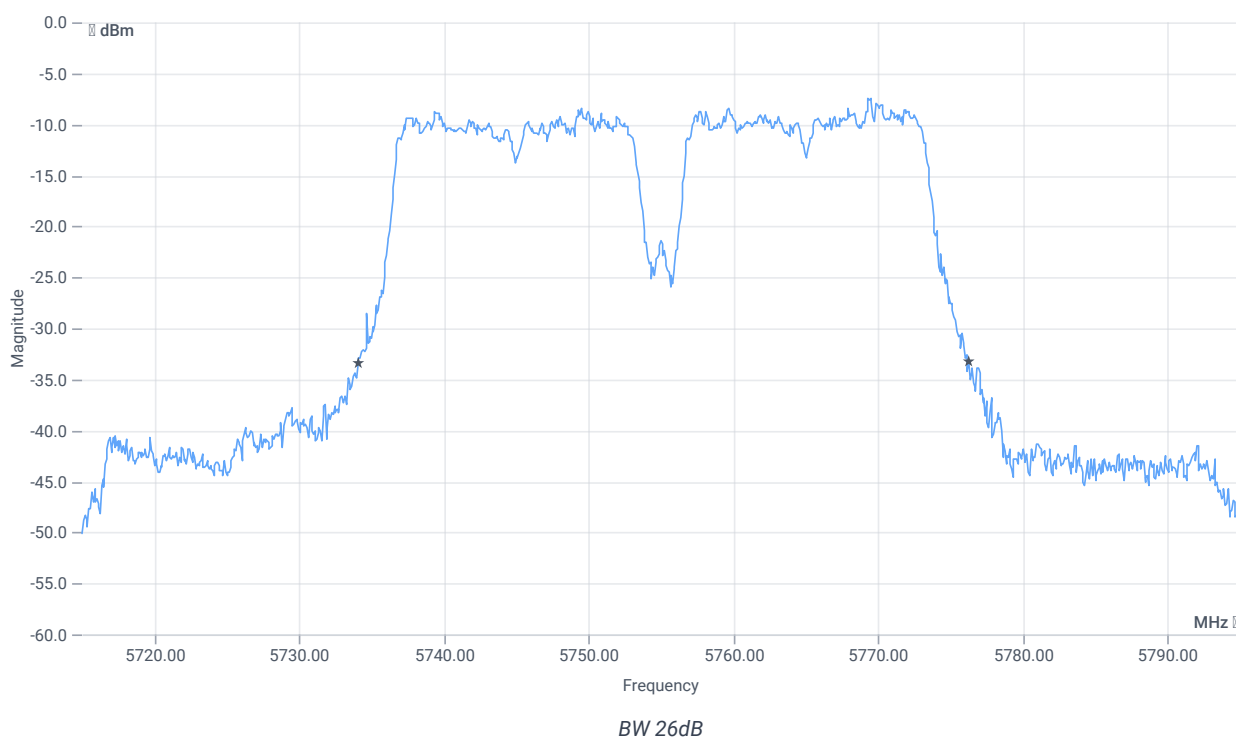
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.55    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5770.780 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



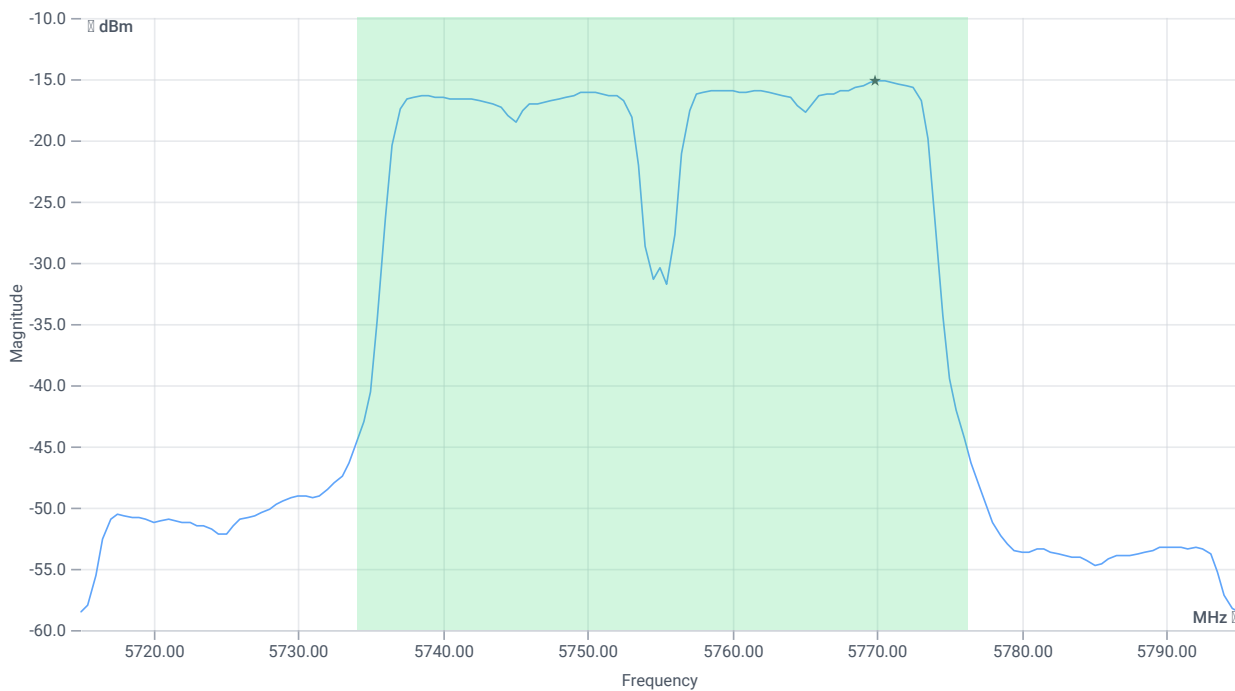
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.24     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5734.0400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5776.2800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.45   16.17   5      |
| Start [MHz]   Stop [MHz]                             | 5715.000   5795.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.37    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -1.37    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.24  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.26       | -1.37    | dBm  | na      |

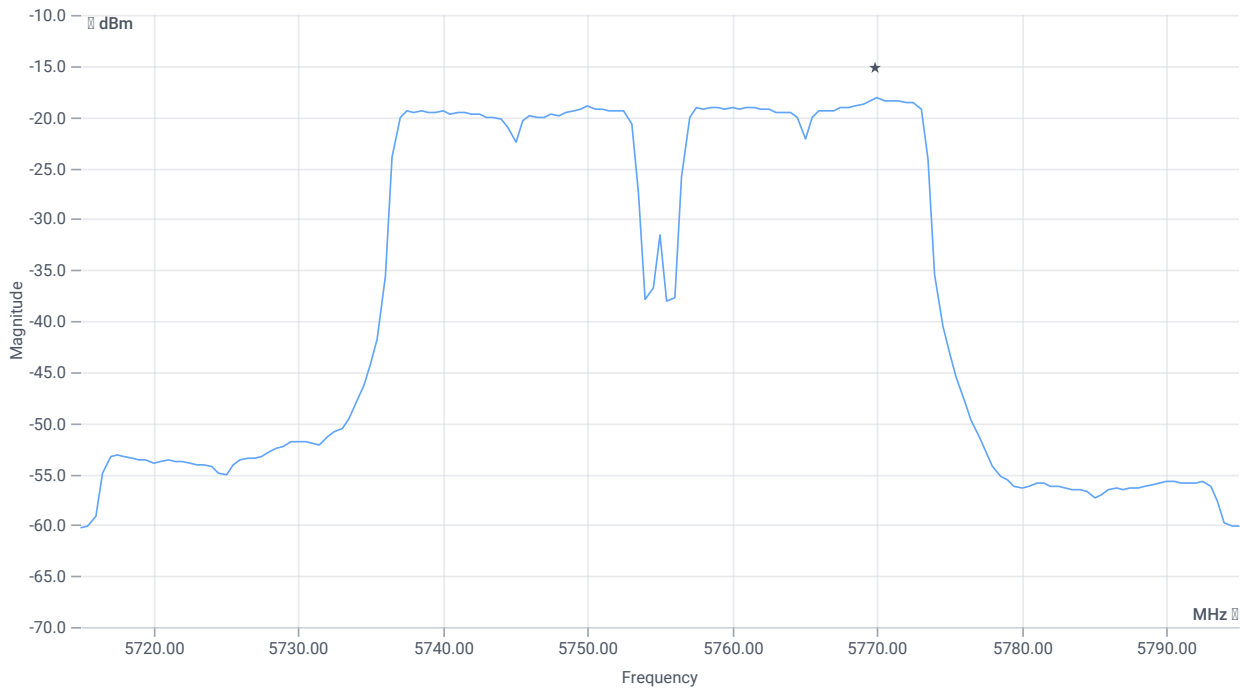
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 6.45   16.17   10   |
| Start [MHz]   Stop [MHz]                           | 5715.000   5795.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



PSD UNII-3

## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -18.17   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -18.17   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:28:31                                             |
| Ambit temp [°C]   humidity [rel%] | 22.9   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5755 MHz

RESULT: Reference Power cond.

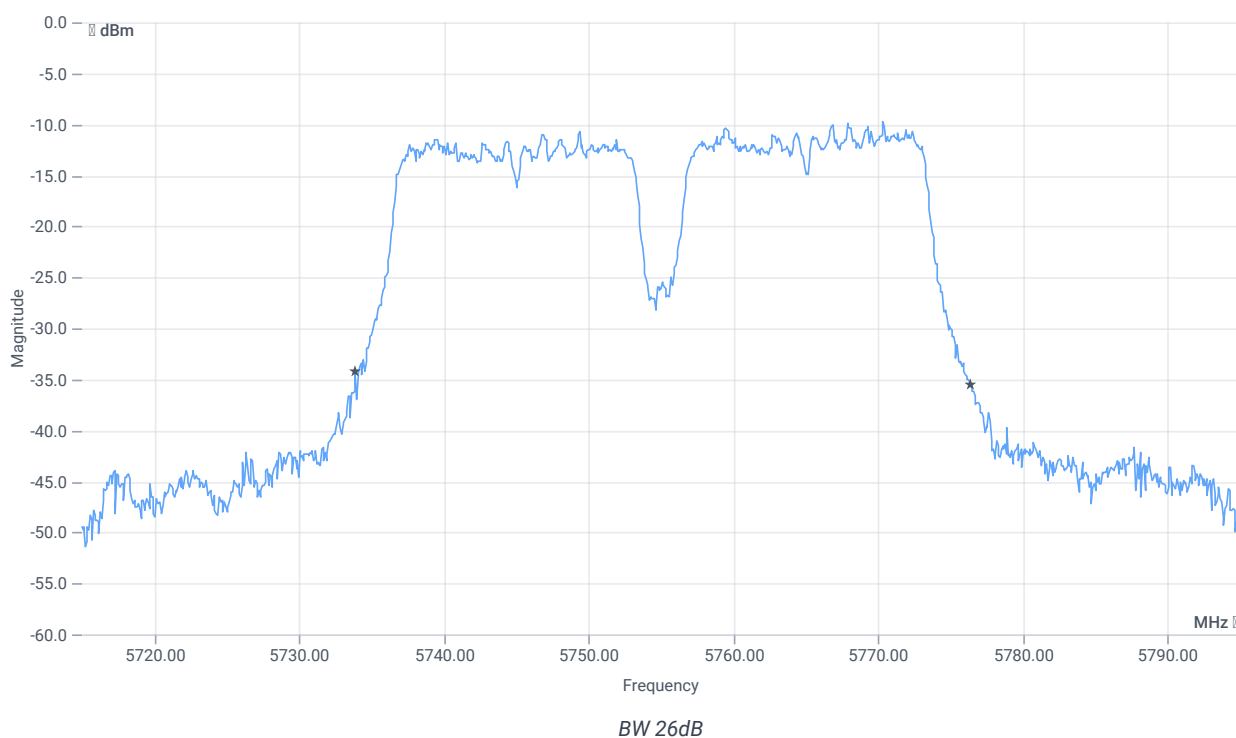
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -7.68    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5769.790 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



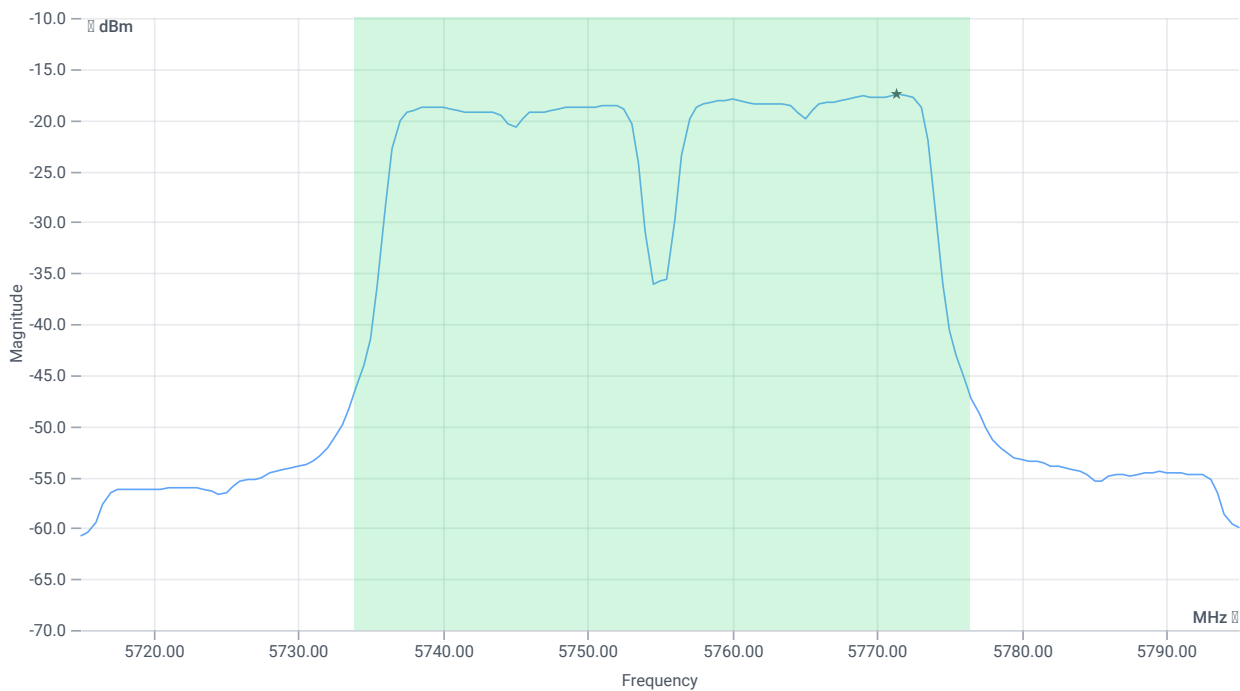
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.48     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5733.8800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5776.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 4.32   16.17   5      |
| Start [MHz]   Stop [MHz]                             | 5715.000   5795.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -3.67    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -3.67    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.48  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.28       | -3.67    | dBm  | na      |

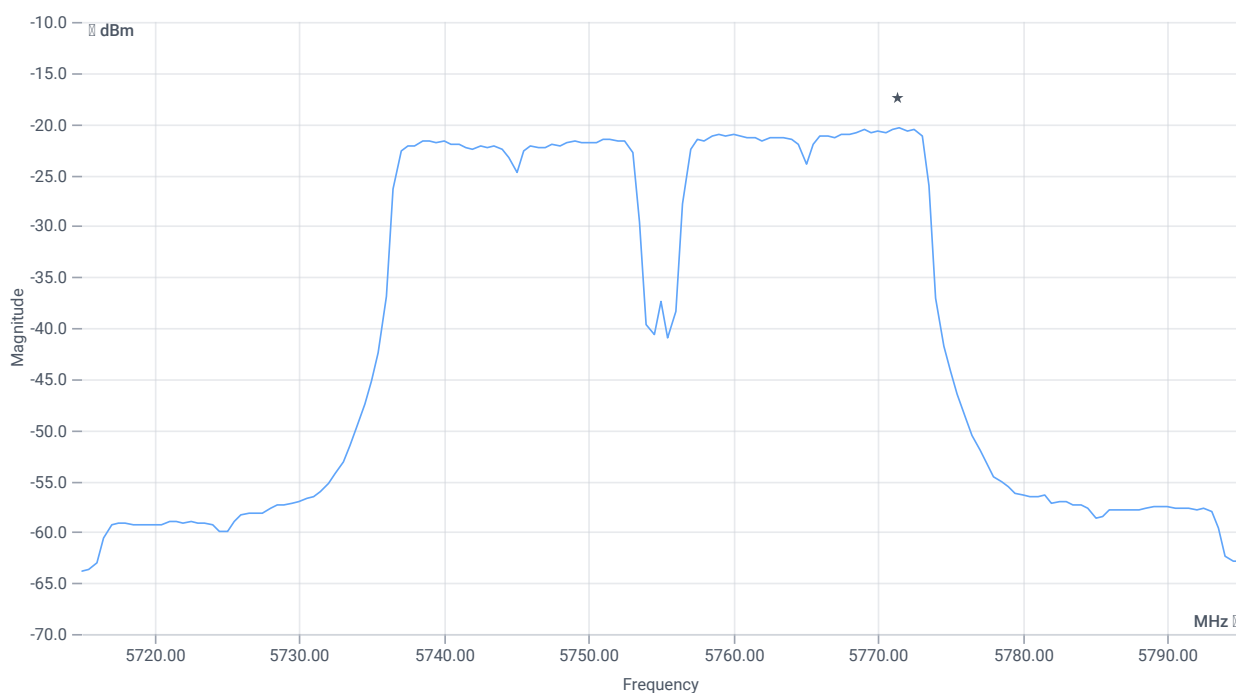
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 4.32   16.17   5    |
| Start [MHz]   Stop [MHz]                           | 5715.000   5795.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



PSD UNII-3

## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -20.4    | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -20.4    | dBm/0.5MHz | PASS    |

## Verdict

PASS



# FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

## References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:58:34                                             |
| Ambit temp [°C]   humidity [rel%] | 22.2   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

## EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

## Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

## Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

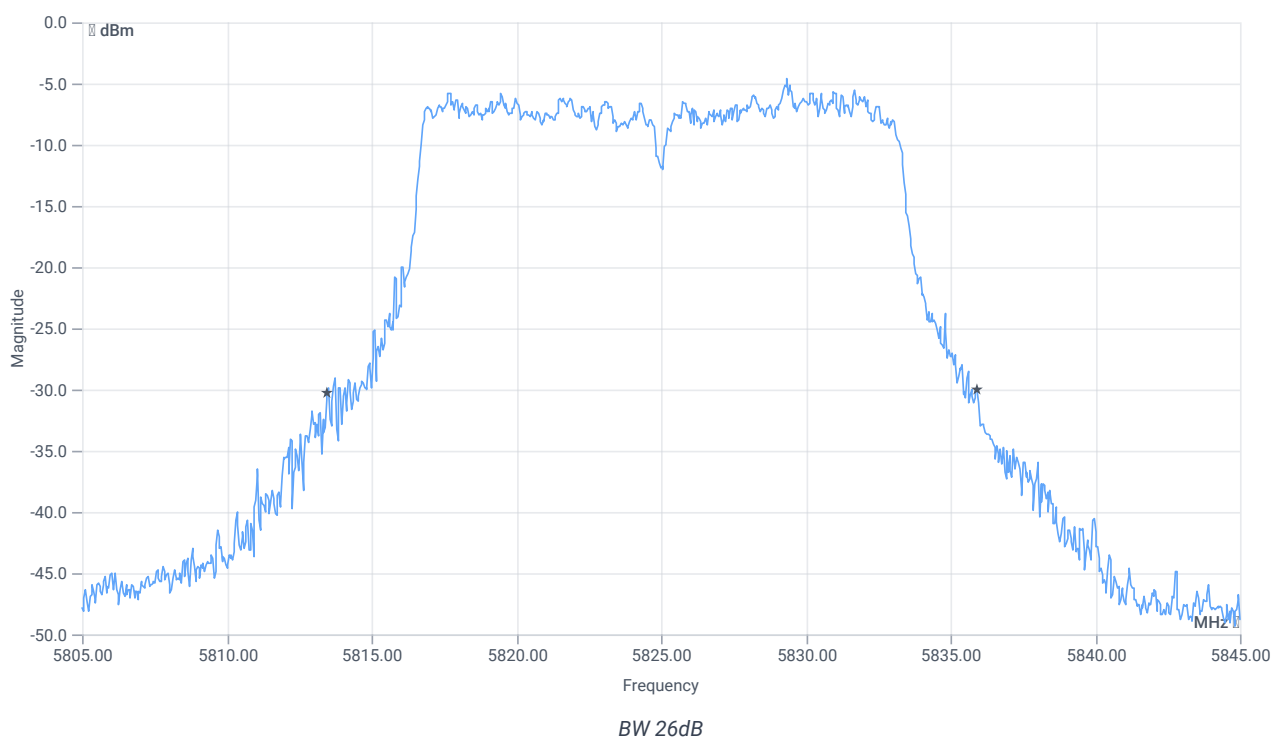
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.04    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5830.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



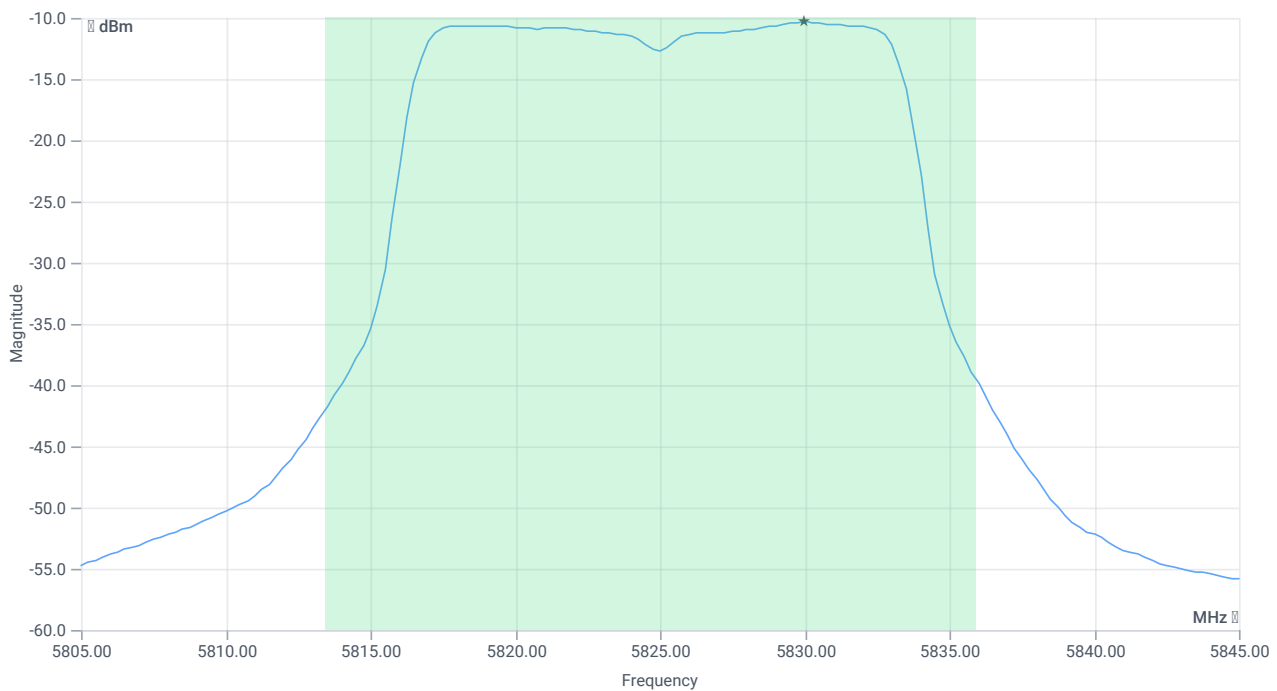
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.44     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5813.4800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5835.9200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.96   16.08   10    |
| Start [MHz]   Stop [MHz]                             | 5805.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 0.95     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 0.95     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.44  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.51       | 0.95     | dBm  | na      |

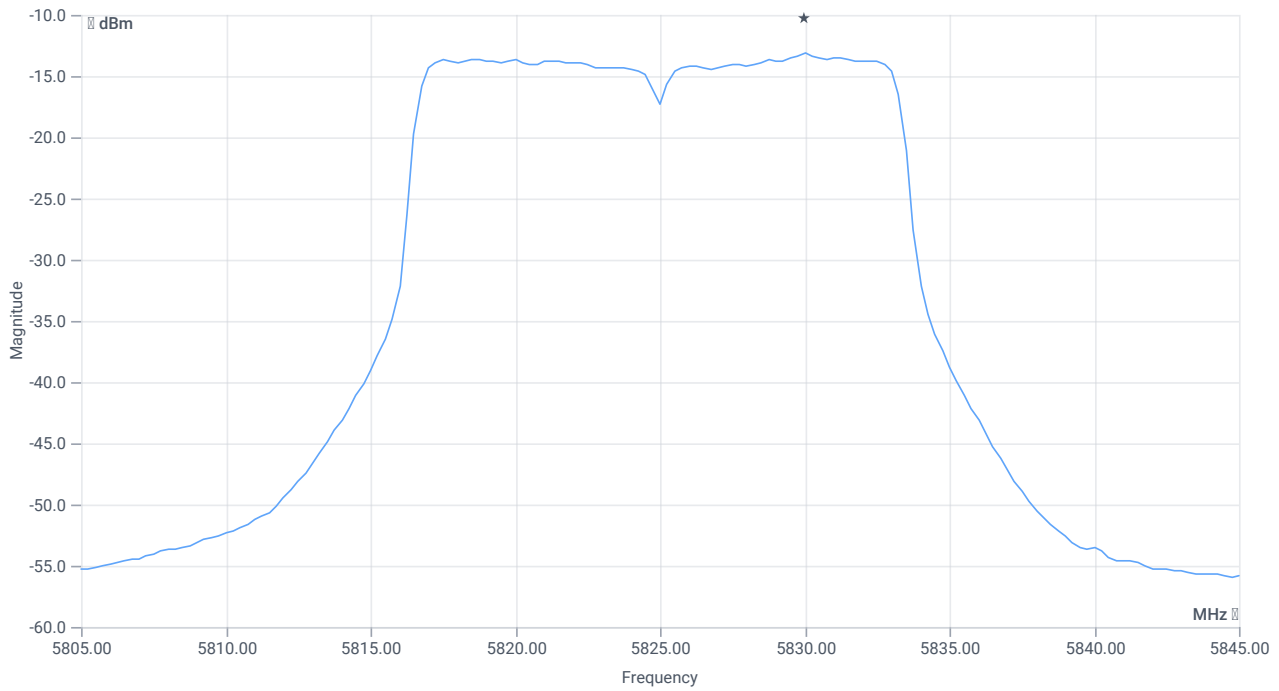
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 11.96   16.08   15  |
| Start [MHz]   Stop [MHz]                           | 5805.000   5845.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -13.17   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -13.17   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:52:30                                             |
| Ambit temp [°C]   humidity [rel%] | 22.2   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

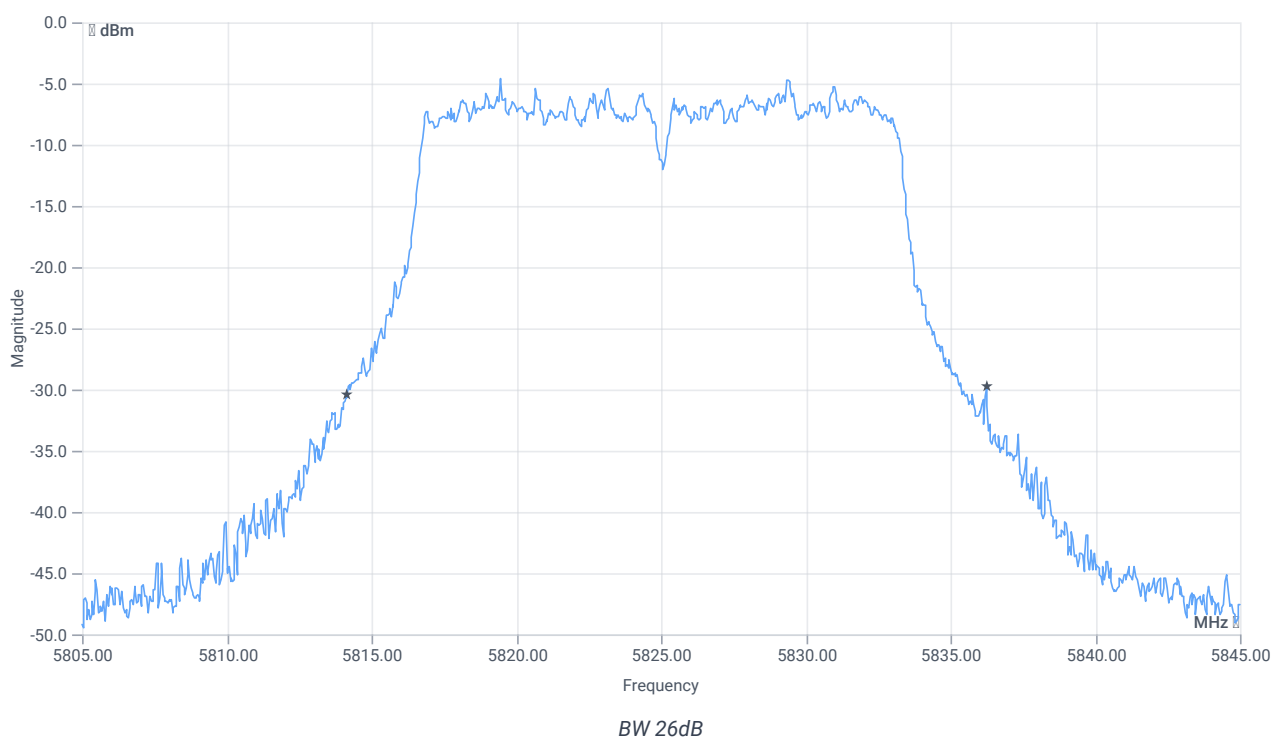
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.18     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5830.190 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



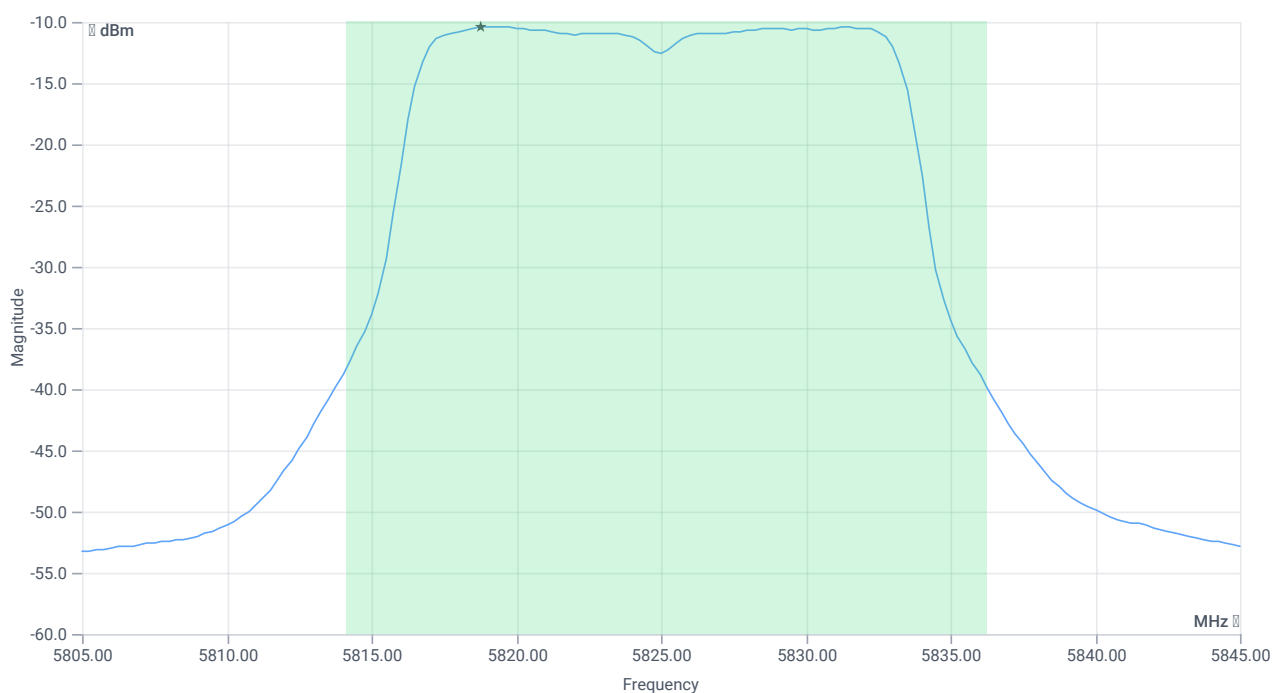
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.12     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5814.1200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5836.2400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.18   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5805.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.08     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 1.08     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.12  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.45       | 1.08     | dBm  | na      |

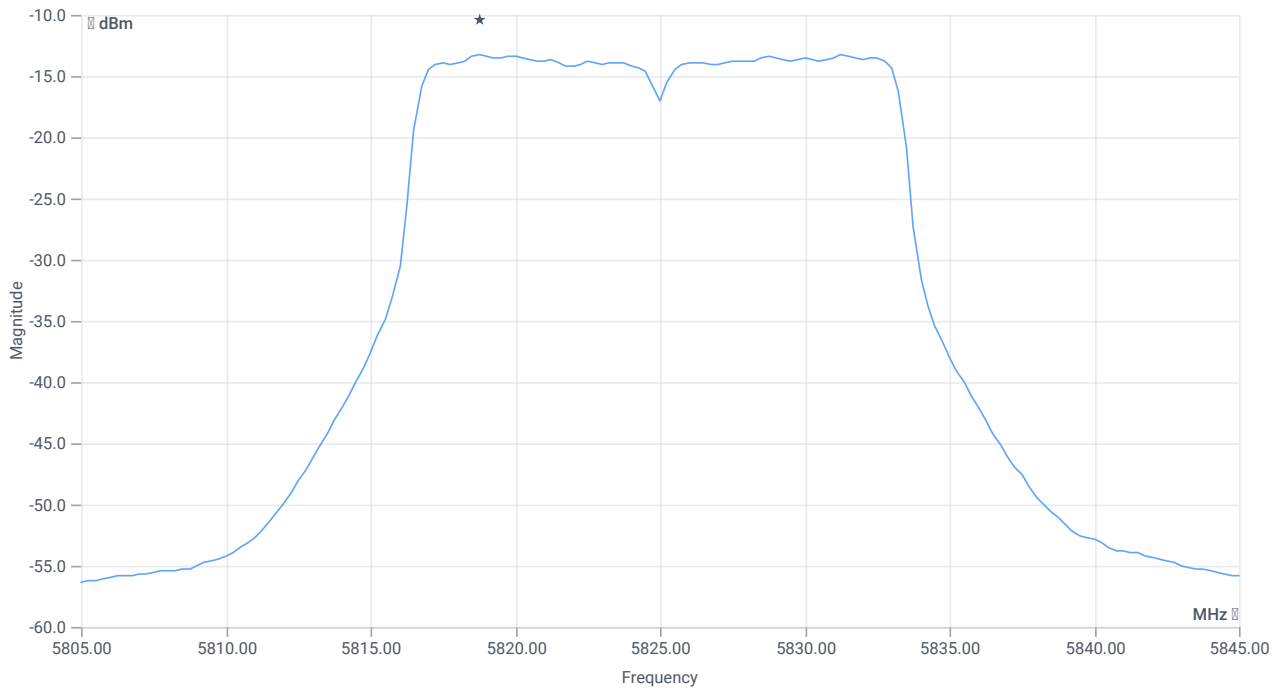
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 12.18   16.08   15  |
| Start [MHz]   Stop [MHz]                           | 5805.000   5845.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -13.3    | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -13.3    | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:45:50                                             |
| Ambit temp [°C]   humidity [rel%] | 22.1   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

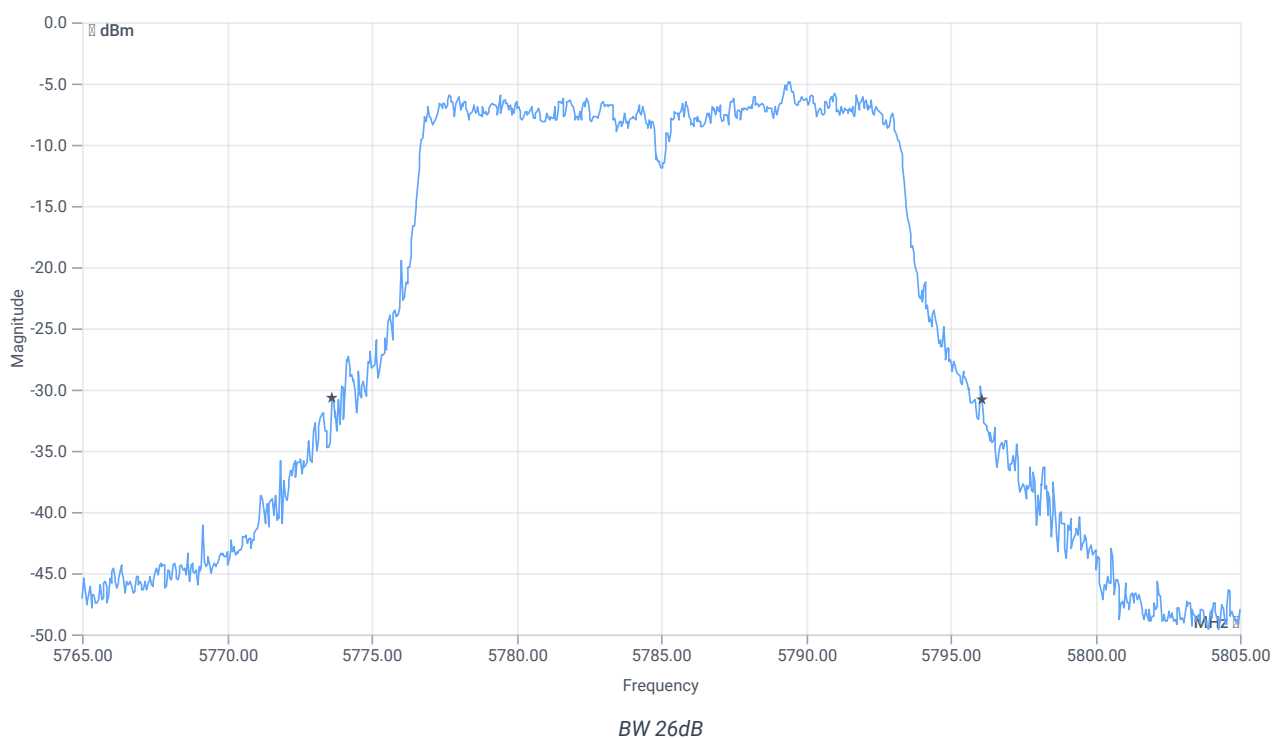
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.44    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5792.390 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



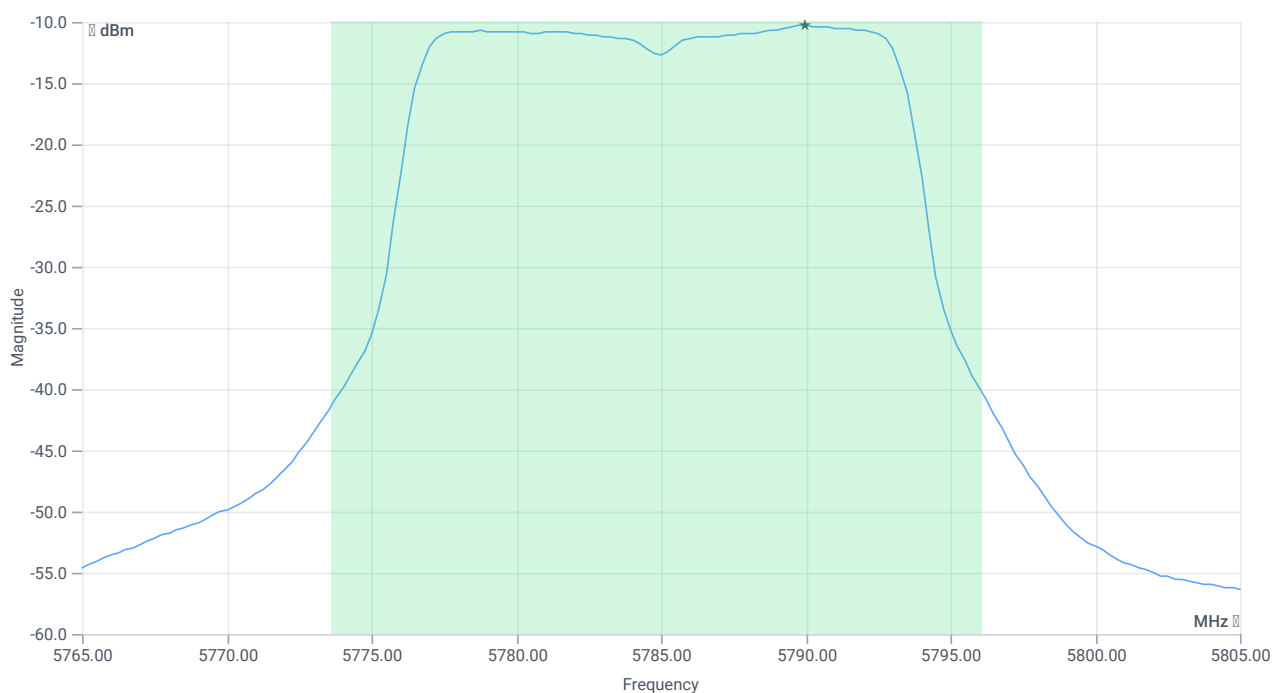
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.44     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5773.6400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5796.0800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.56   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5765.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 0.94     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 0.94     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.44  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.51       | 0.94     | dBm  | na      |

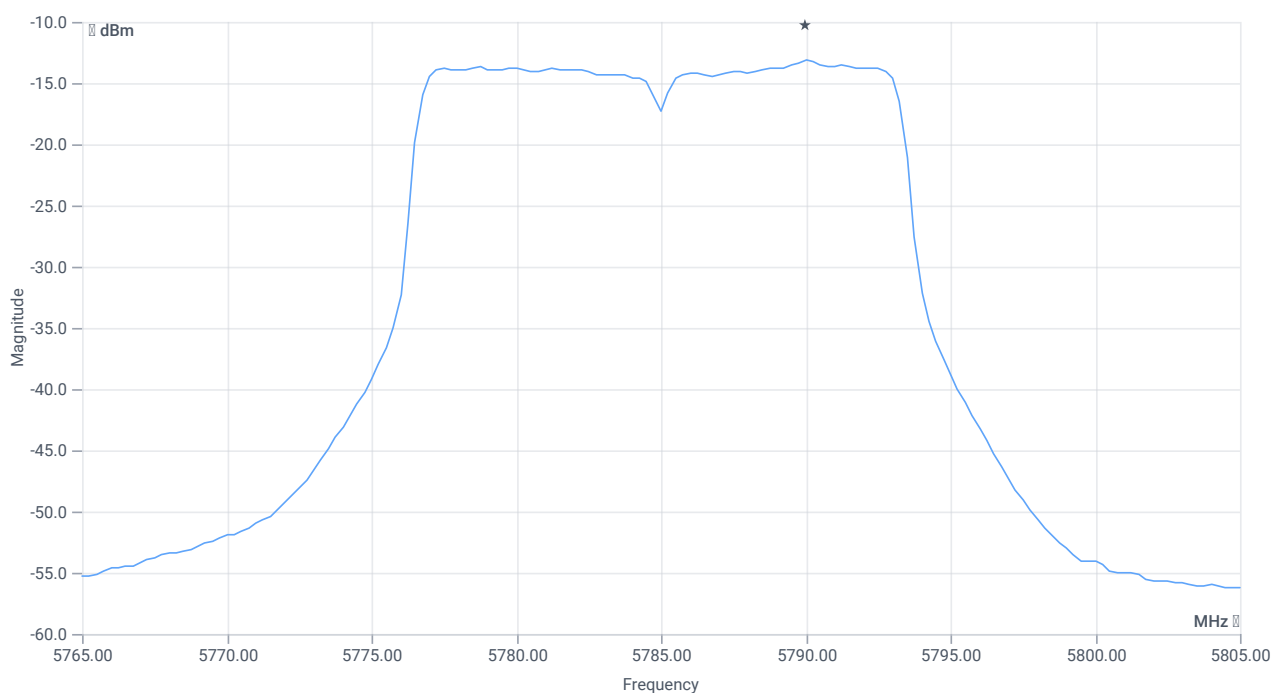
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 11.56   16.1   15   |
| Start [MHz]   Stop [MHz]                           | 5765.000   5805.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -13.15   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -13.15   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:39:39                                             |
| Ambit temp [°C]   humidity [rel%] | 22.2   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

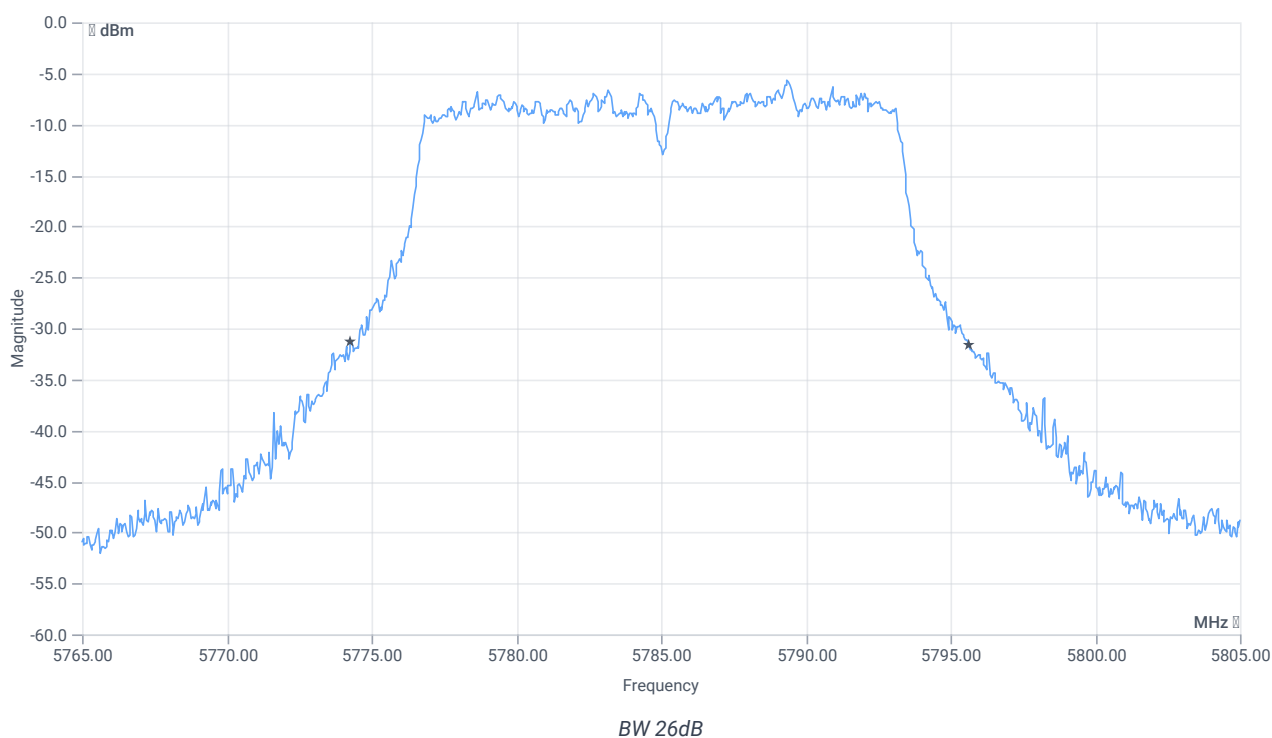
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.94    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5789.800 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



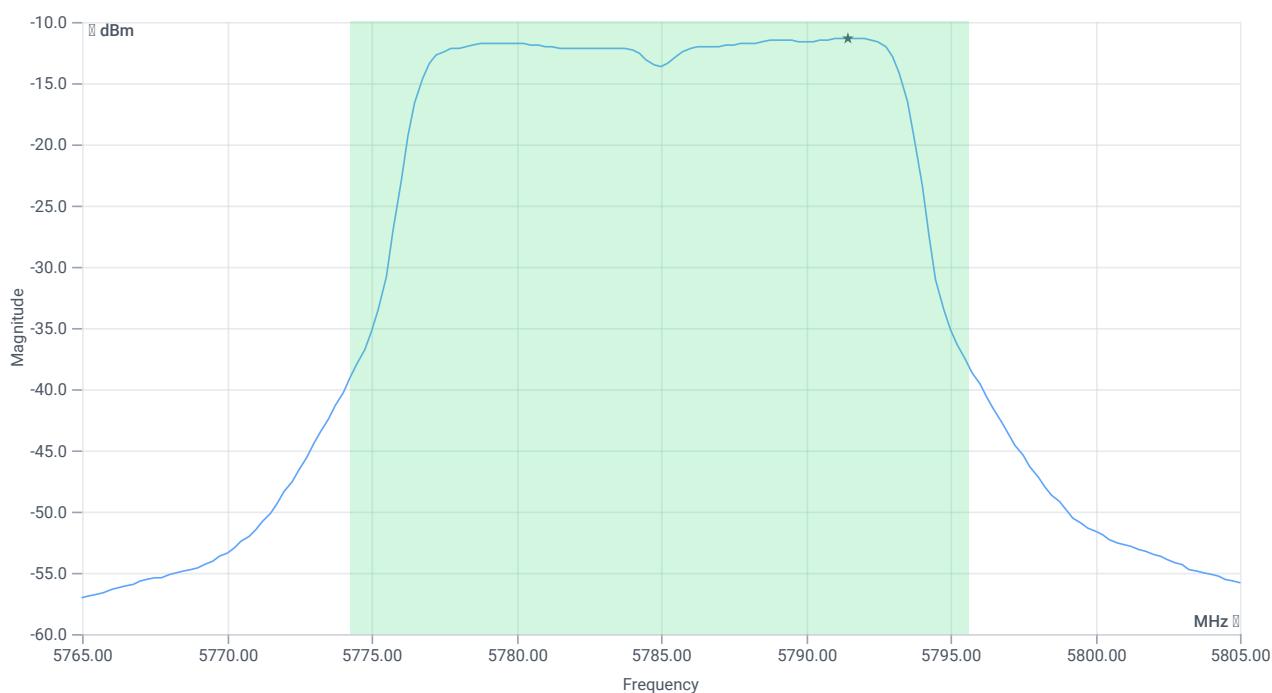
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.36     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5774.2800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5795.6400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.06   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5765.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.02    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -0.02    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.36  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.3        | -0.02    | dBm  | na      |

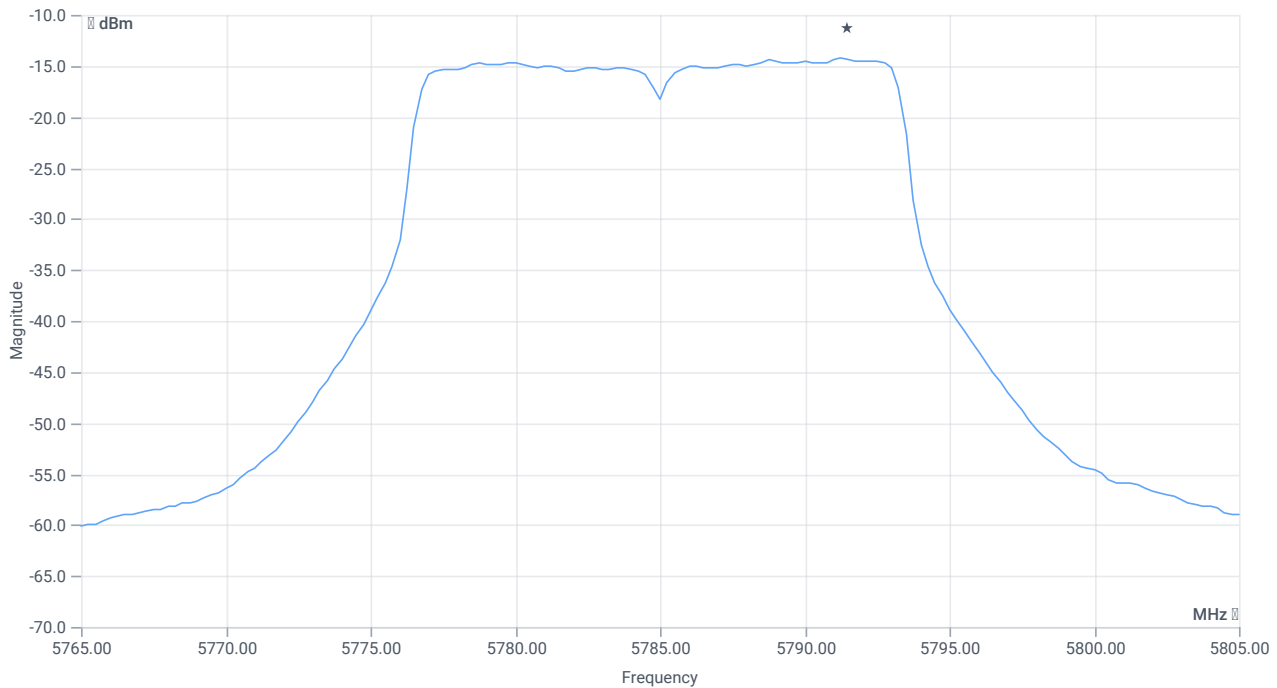
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 11.06   16.1   10   |
| Start [MHz]   Stop [MHz]                           | 5765.000   5805.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -14.28   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -14.28   | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:33:02                                             |
| Ambit temp [°C]   humidity [rel%] | 22.0   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

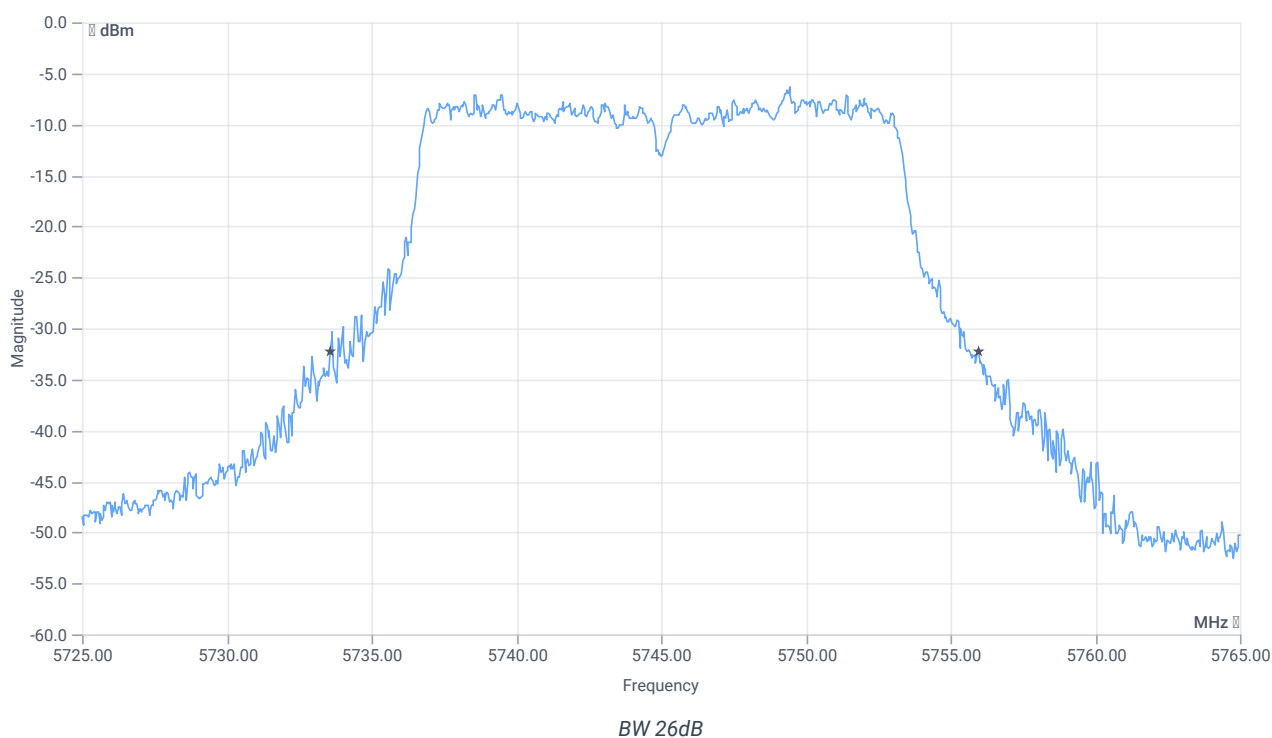
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.88    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5739.410 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



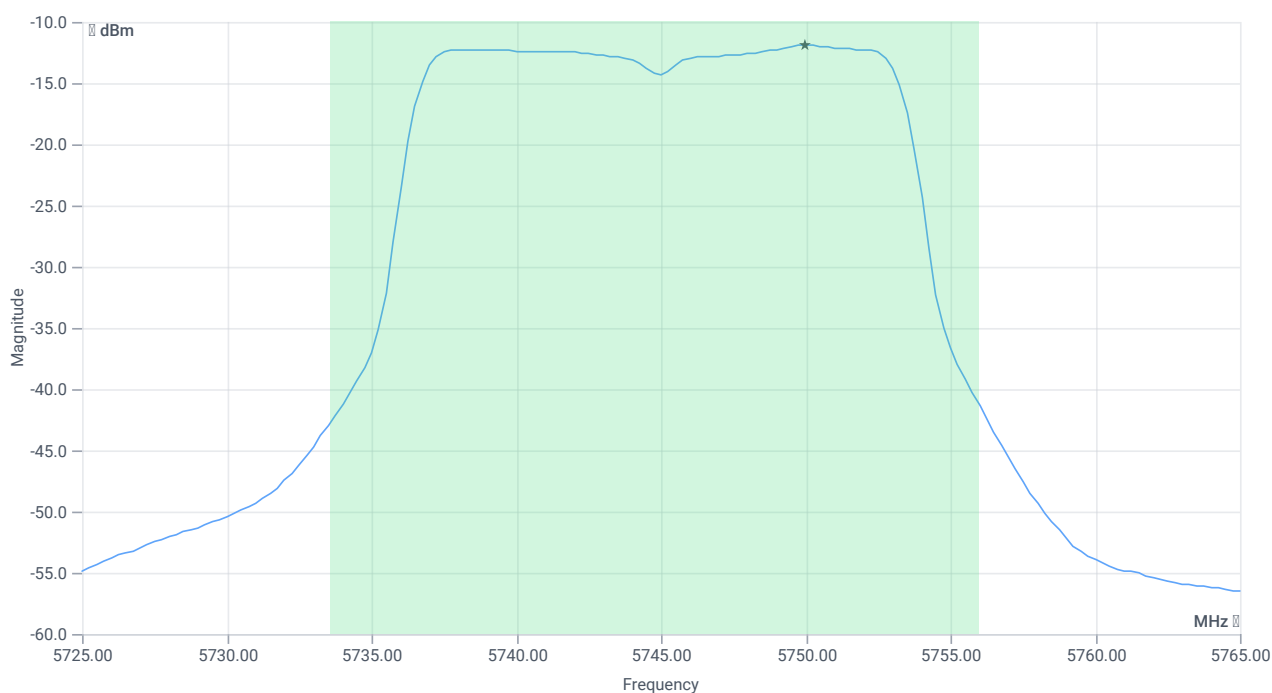
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.4      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5733.5600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5755.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.12   16.12   10    |
| Start [MHz]   Stop [MHz]                             | 5725.000   5765.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.63    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -0.63    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.4   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.5        | -0.63    | dBm  | na      |

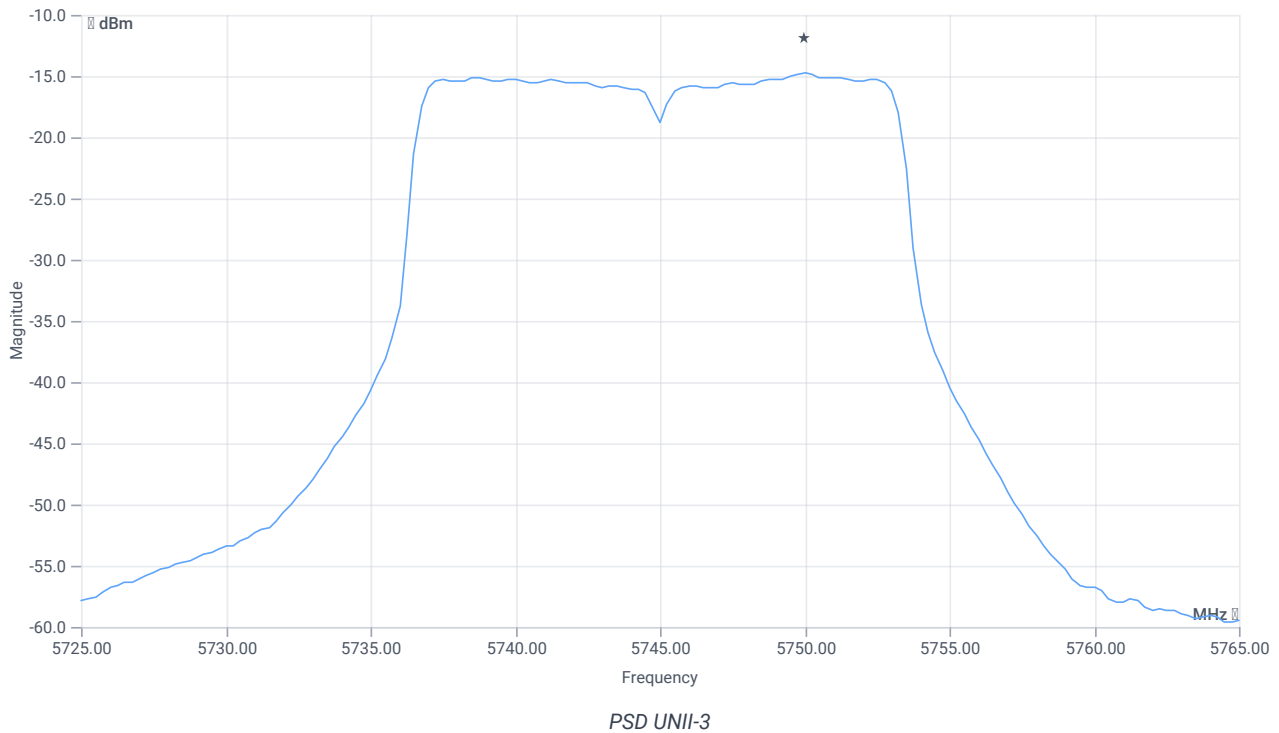
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 10.12   16.12   10  |
| Start [MHz]   Stop [MHz]                           | 5725.000   5765.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -14.75   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -14.75   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:26:56                                             |
| Ambit temp [°C]   humidity [rel%] | 22.0   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407   NI                                                 |
| Method                            | KDB789033 D02, F., E.2.e.                                       |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

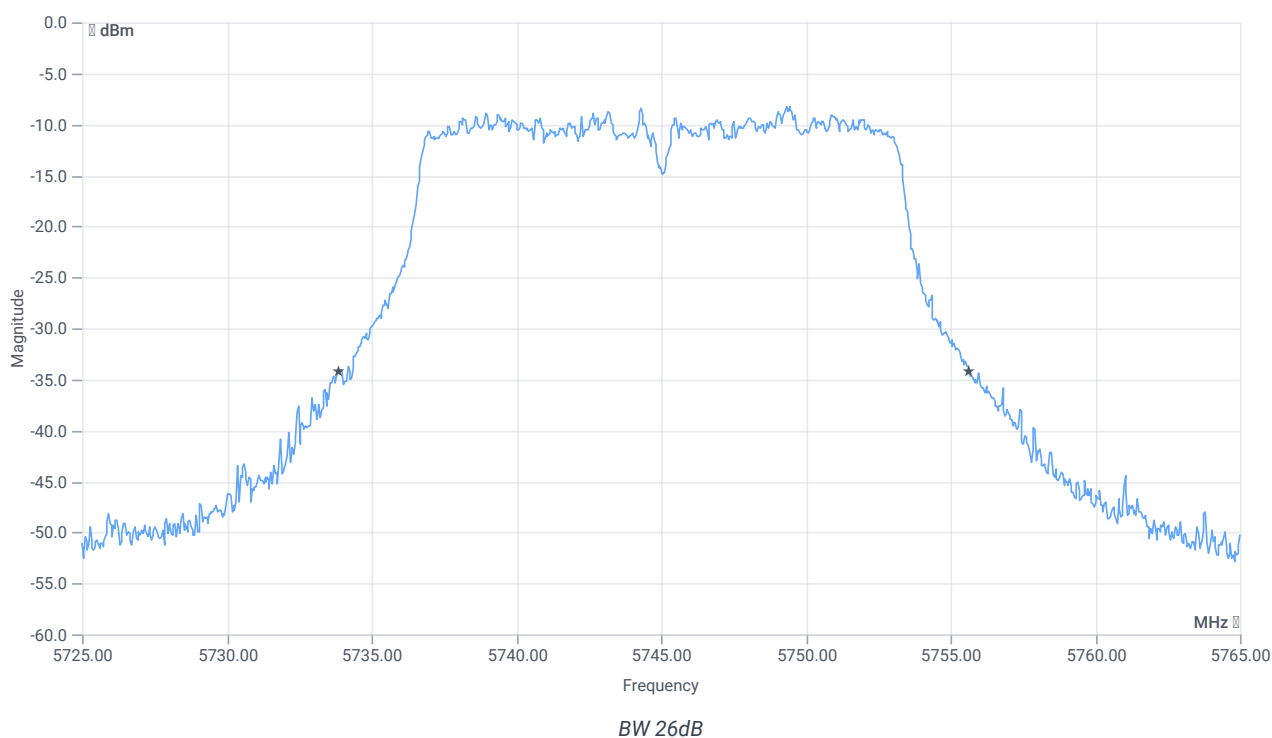
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.03    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5750.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



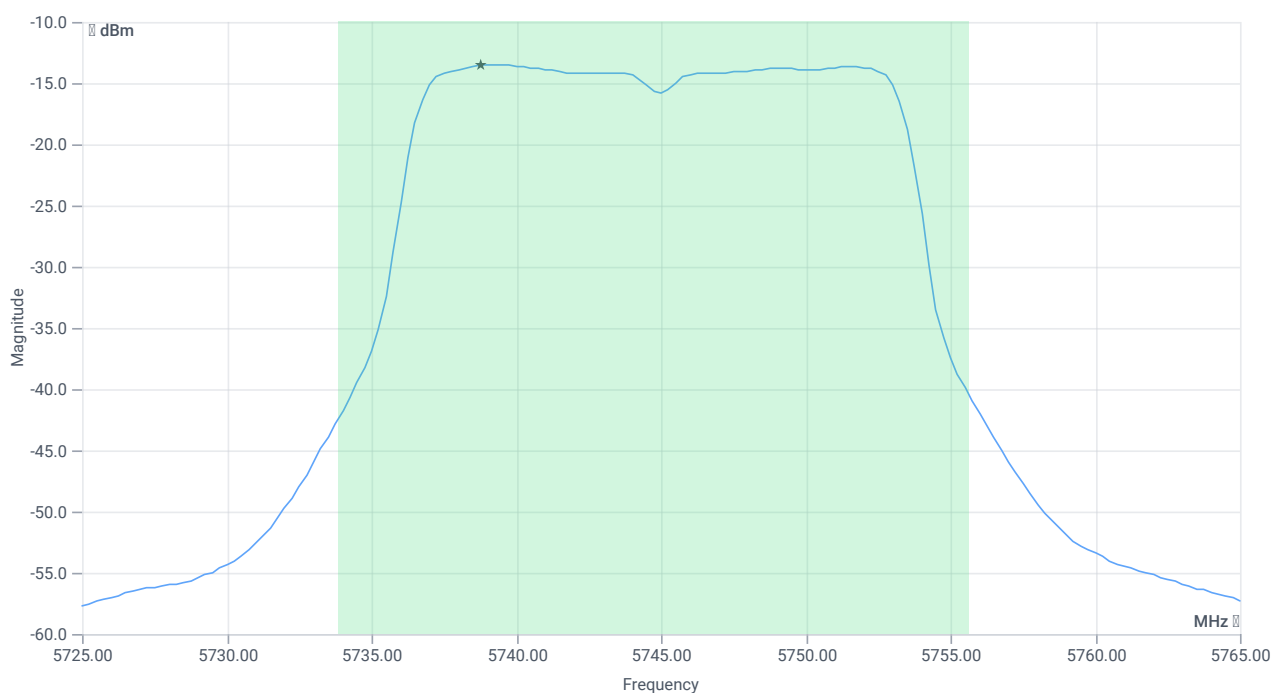
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5733.8400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5755.6400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.97   16.12   10     |
| Start [MHz]   Stop [MHz]                             | 5725.000   5765.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -2.11    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | -2.11    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.38       | -2.11    | dBm  | na      |

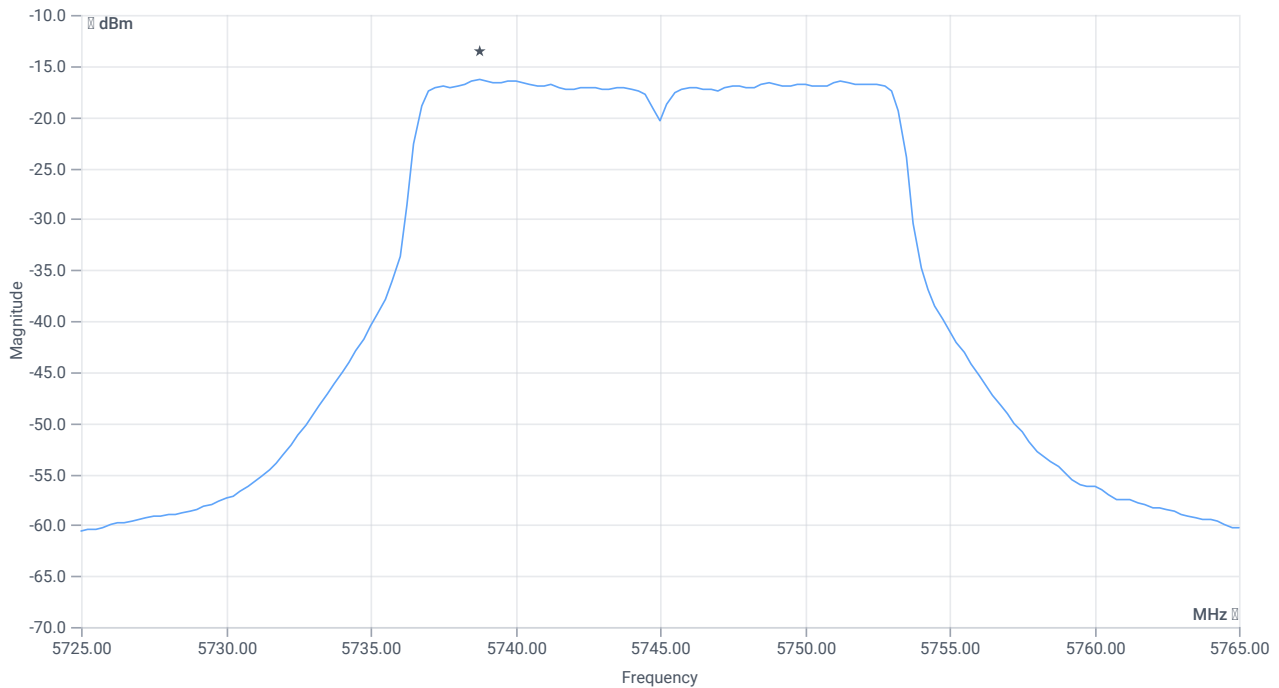
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 8.97   16.12   10   |
| Start [MHz]   Stop [MHz]                           | 5725.000   5765.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -16.39   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -16.39   | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 19:15:45                                        |
| Ambit temp [°C]   humidity [rel%] | 24.8   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

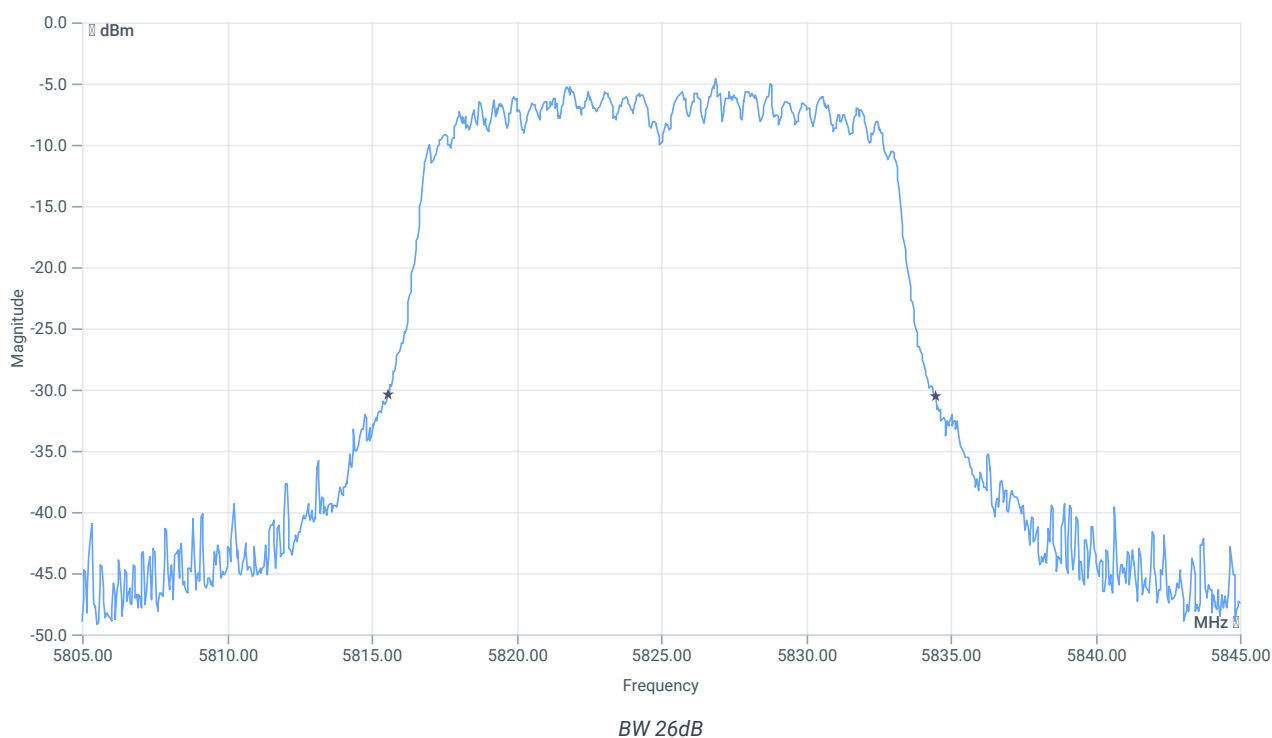
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.49    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5827.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



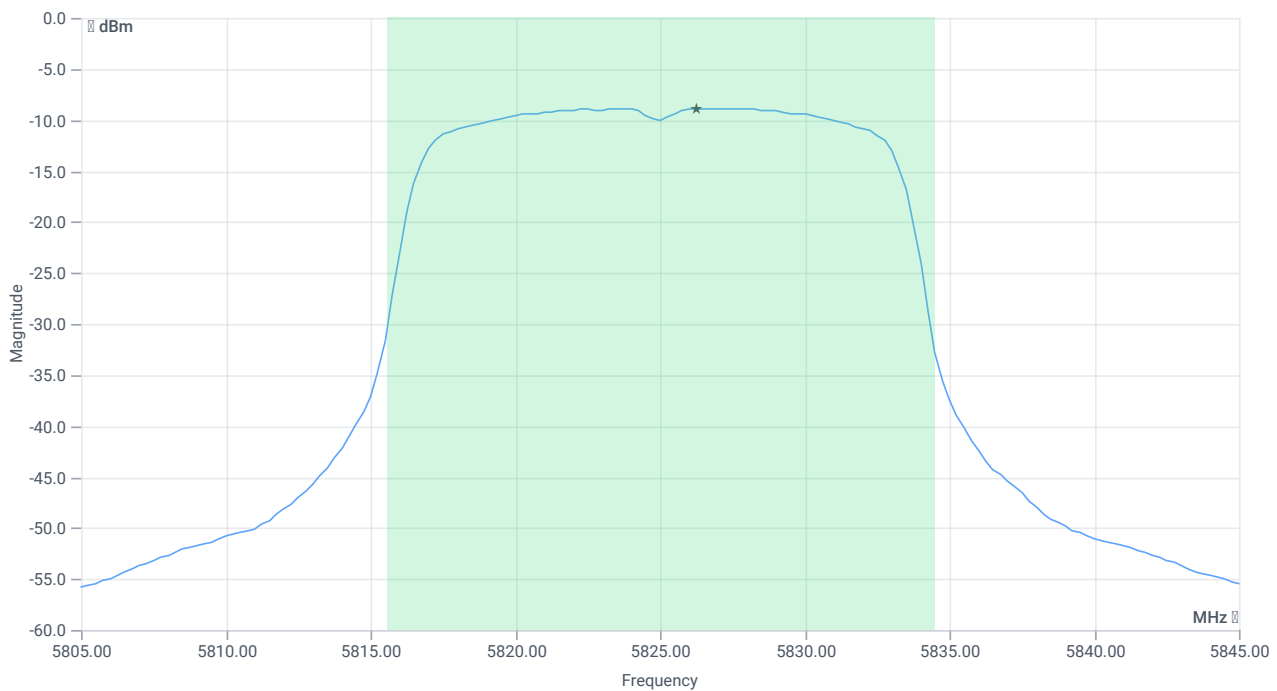
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.92     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5815.5600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5834.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.51   16.08   10    |
| Start [MHz]   Stop [MHz]                             | 5805.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.25     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 2.25     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.92  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.77       | 2.25     | dBm  | na      |

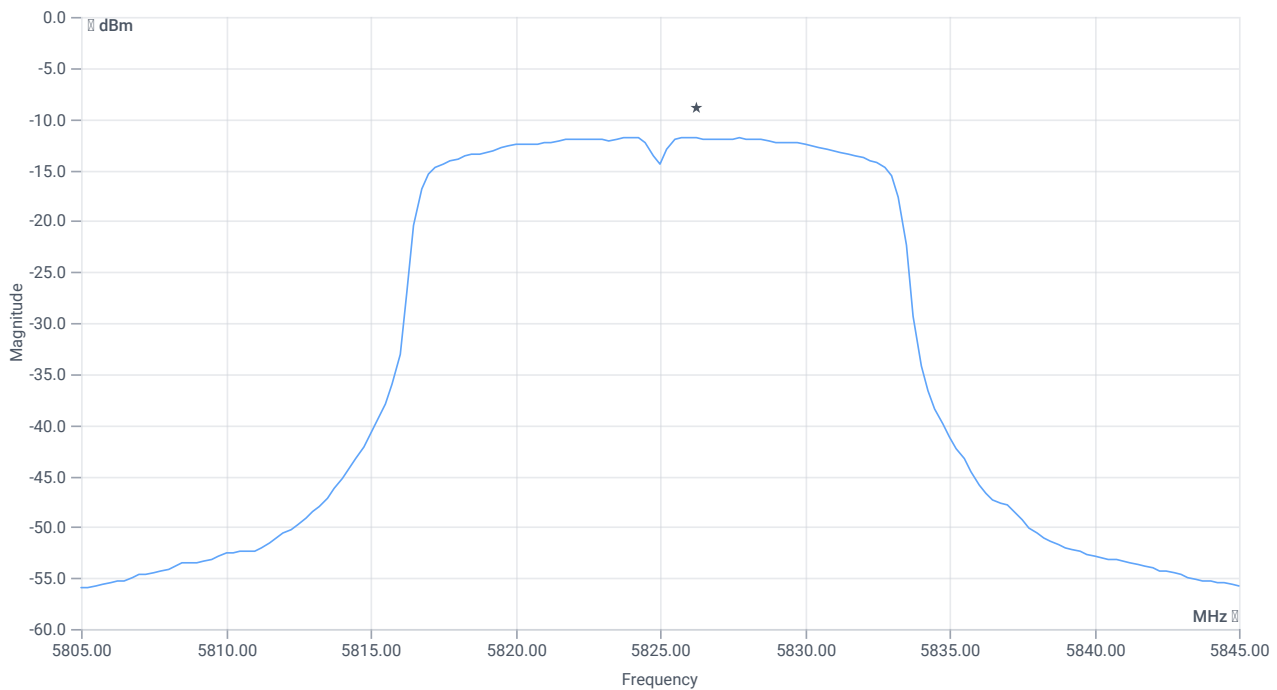
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 11.51   16.08   15  |
| Start [MHz]   Stop [MHz]                           | 5805.000   5845.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -11.84   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -11.84   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 19:09:43                                        |
| Ambit temp [°C]   humidity [rel%] | 24.9   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5825 MHz

RESULT: Reference Power cond.

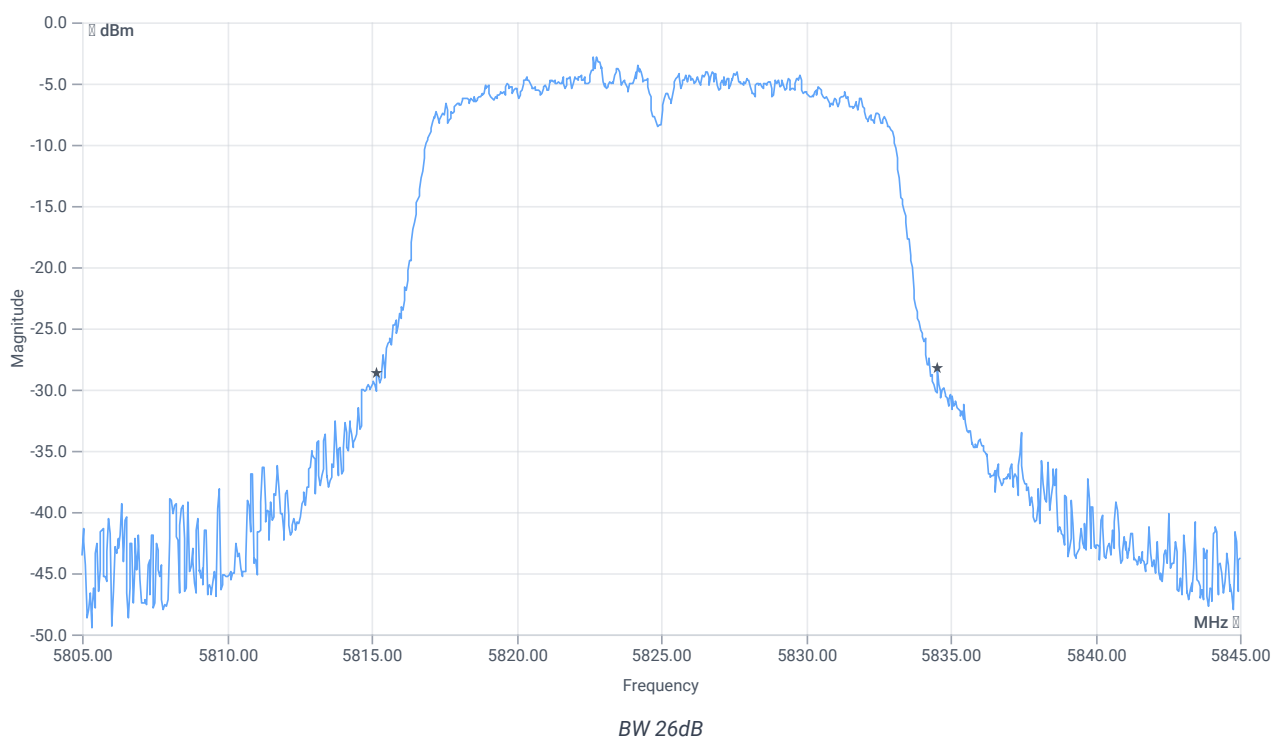
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.44     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5828.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



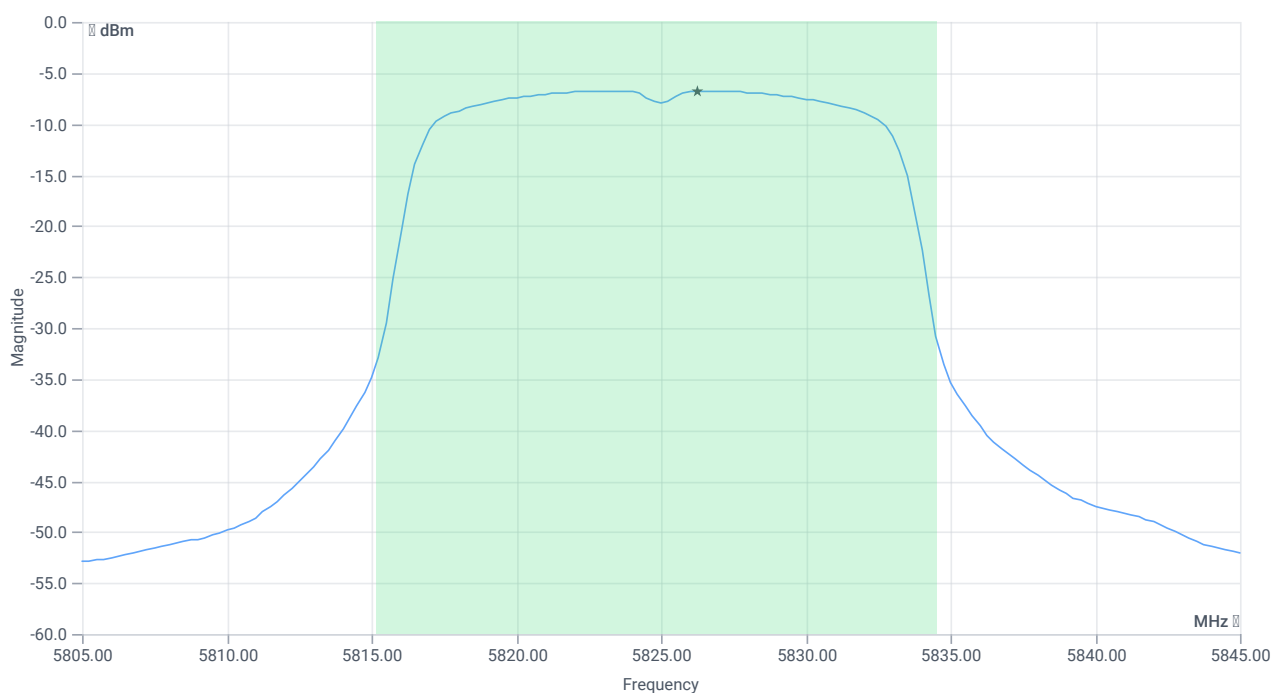
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.36     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5815.2000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5834.5600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.44   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5805.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.32     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 4.32     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.36  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.87       | 4.32     | dBm  | na      |

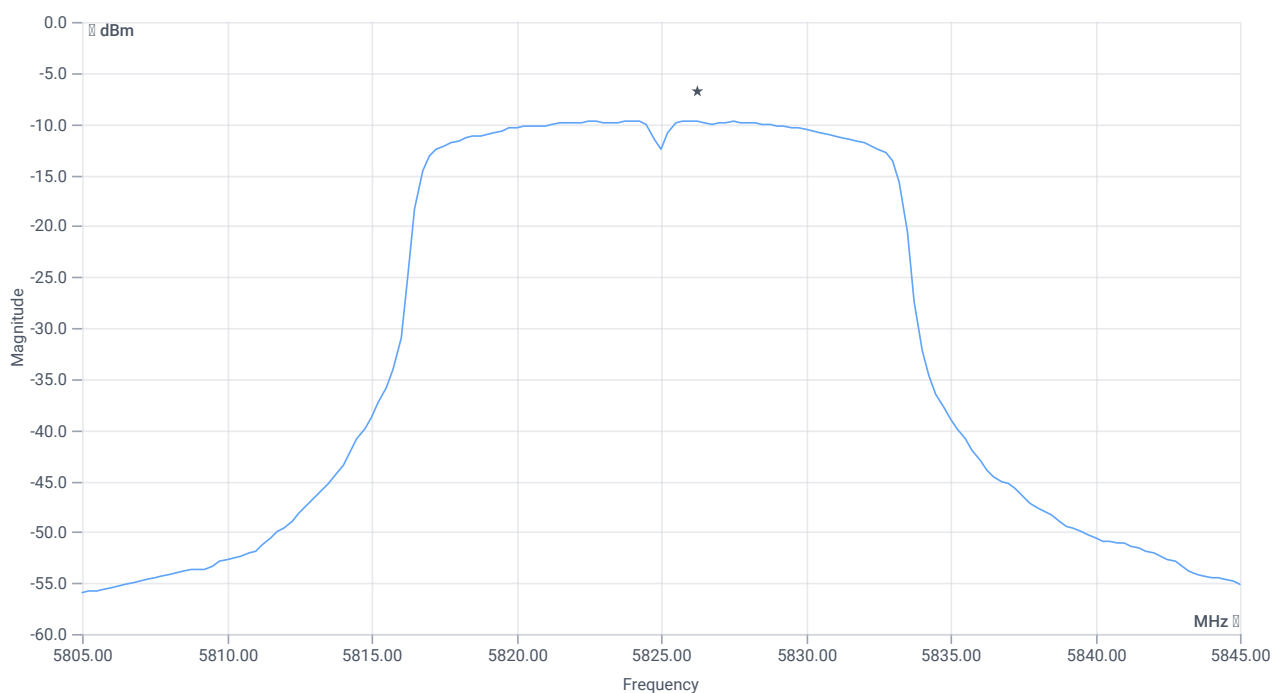
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 13.44   16.08   15  |
| Start [MHz]   Stop [MHz]                           | 5805.000   5845.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -9.67    | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -9.67    | dBm/0.5MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:58:19                                        |
| Ambit temp [°C]   humidity [rel%] | 25.1   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

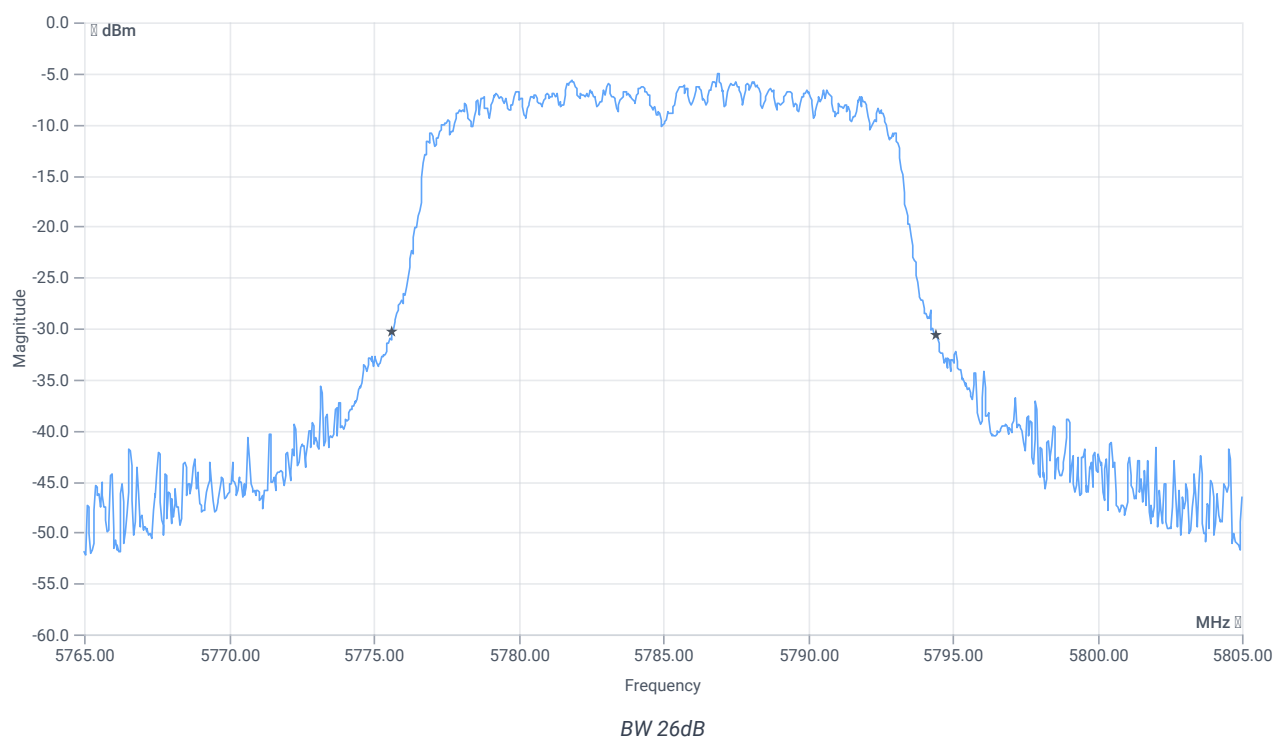
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.14    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5786.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



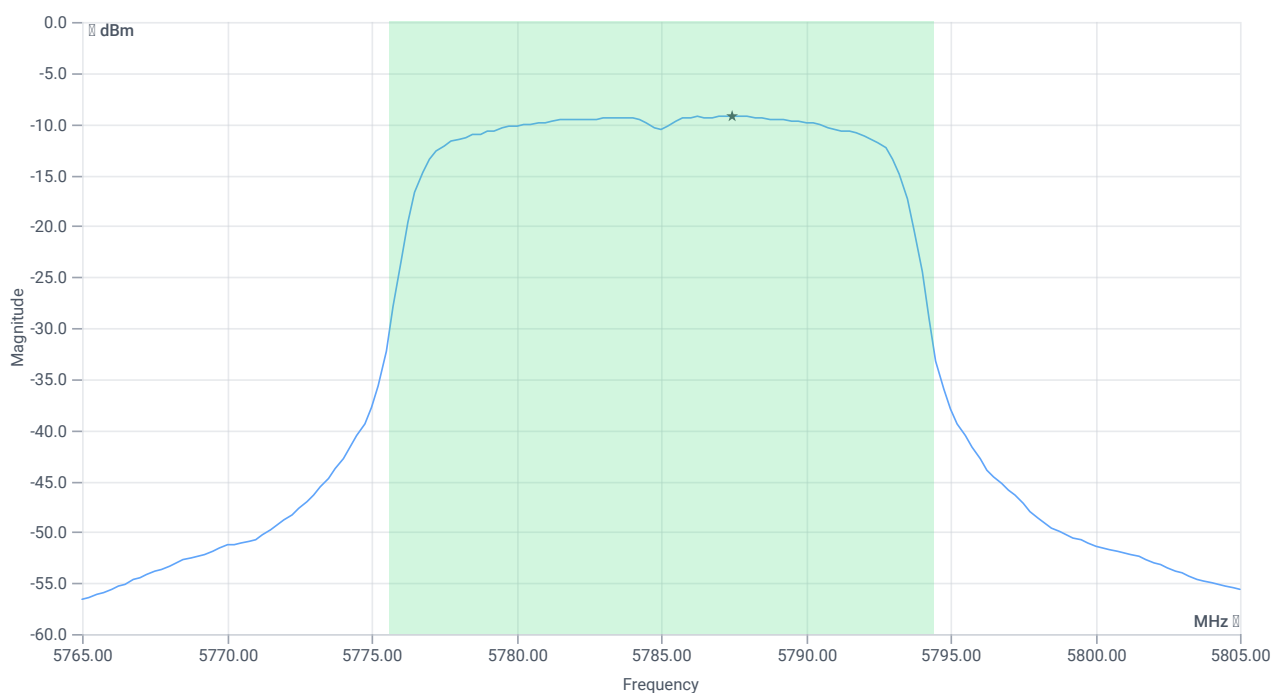
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5775.6400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5794.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.86   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5765.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.78     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 1.78     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.74       | 1.78     | dBm  | na      |

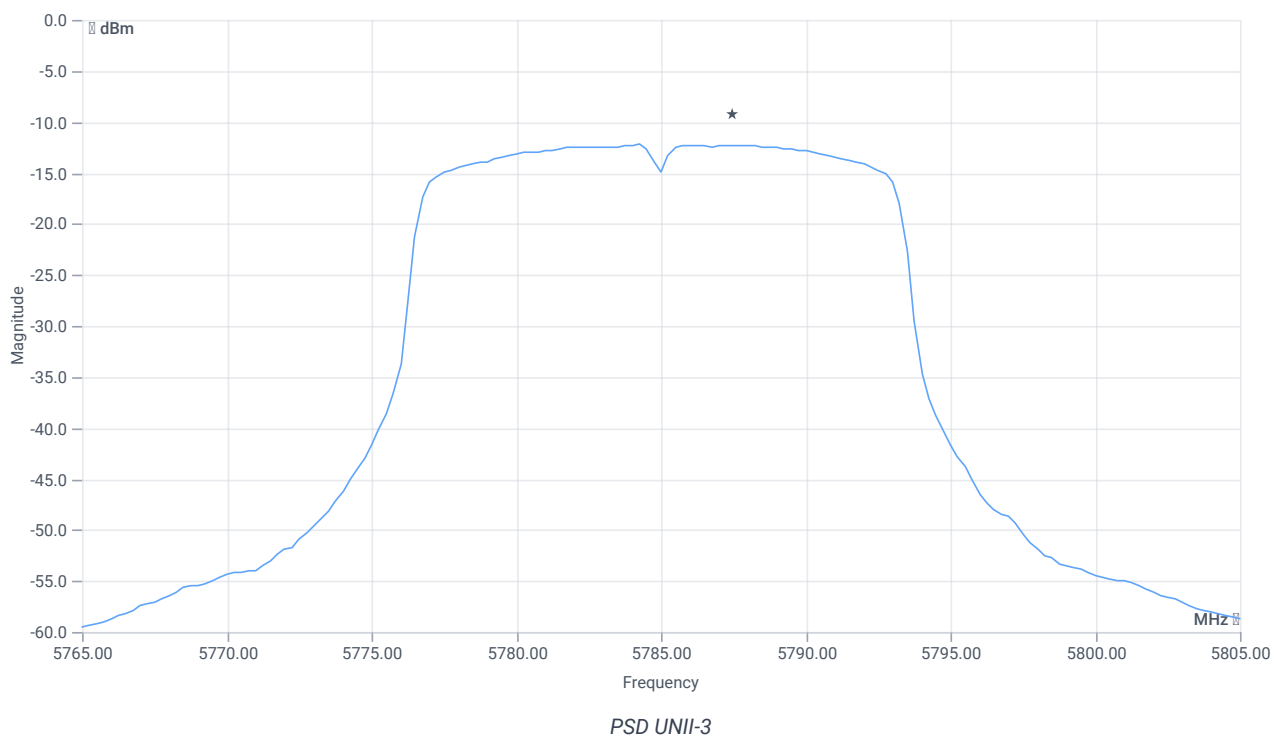
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 10.86   16.1   10   |
| Start [MHz]   Stop [MHz]                           | 5765.000   5805.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -12.23   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -12.23   | dBm/0.5MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:52:11                                        |
| Ambit temp [°C]   humidity [rel%] | 25.1   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5785 MHz

RESULT: Reference Power cond.

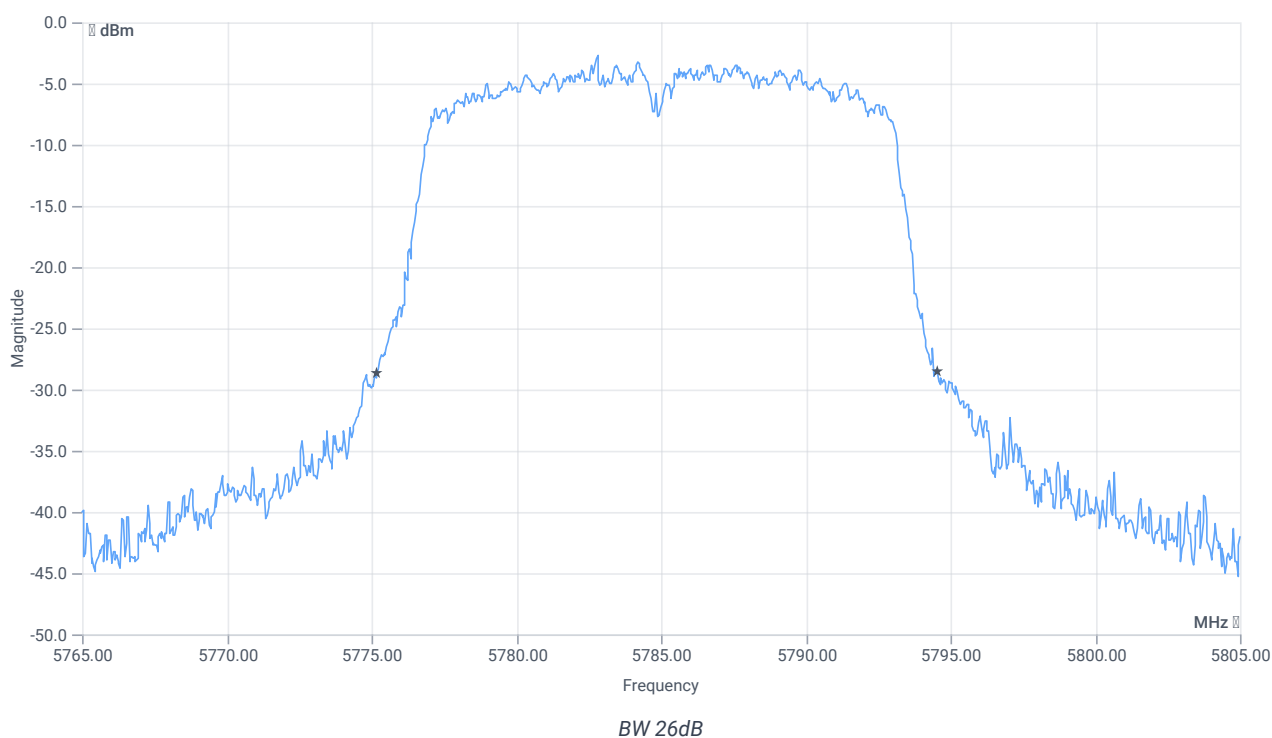
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.64     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5781.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



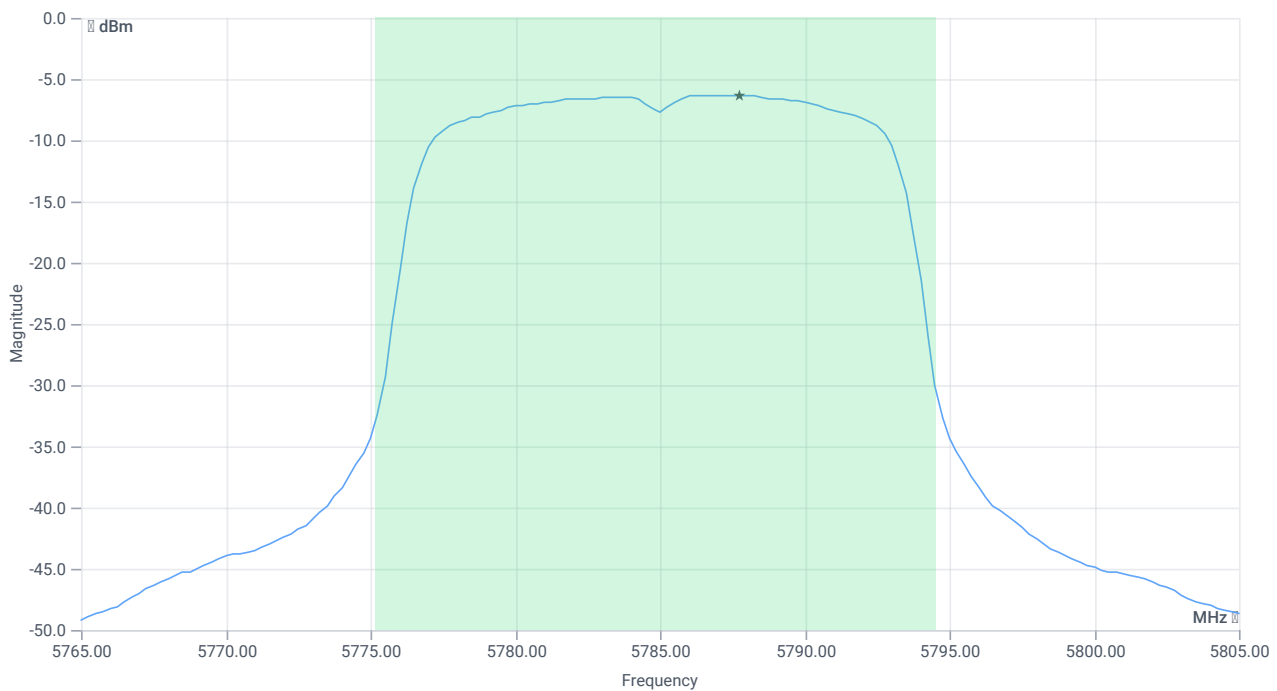
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.36     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5775.2000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5794.5600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.64   16.1   15     |
| Start [MHz]   Stop [MHz]                             | 5765.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.7      | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 4.7      | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.36  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.87       | 4.7      | dBm  | na      |

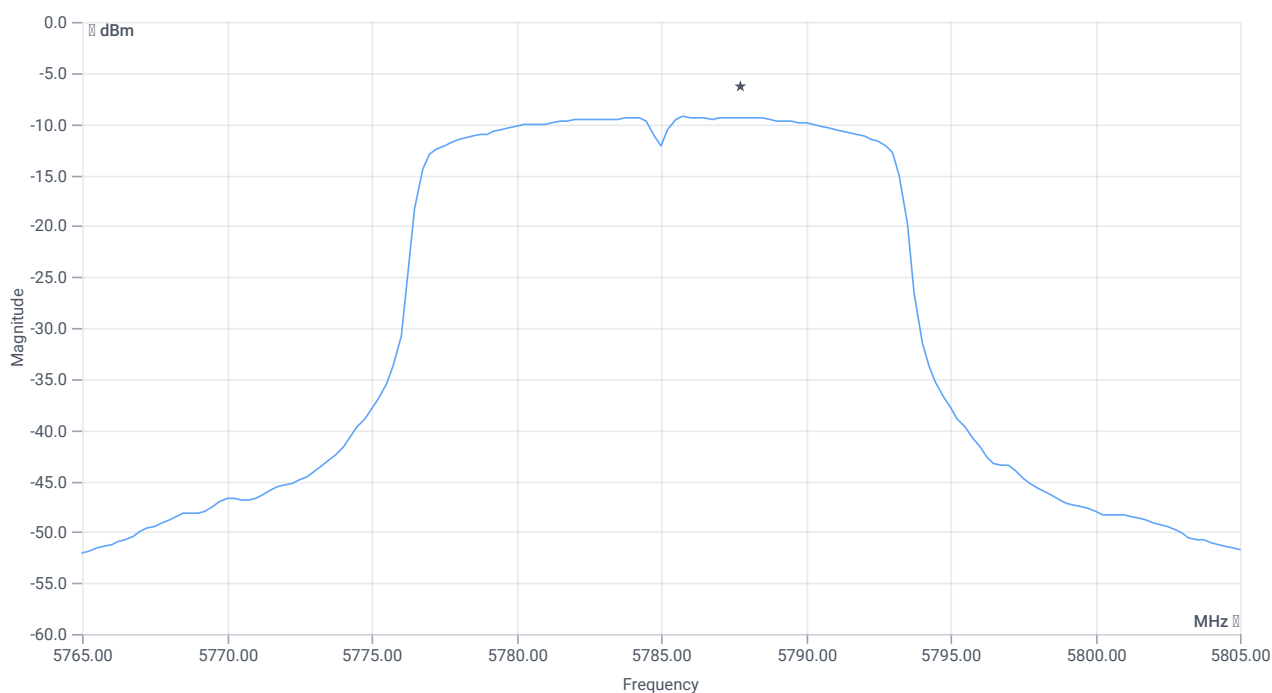
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 12.64   16.1   15   |
| Start [MHz]   Stop [MHz]                           | 5765.000   5805.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -9.32    | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -9.32    | dBm/0.5MHz | PASS    |

### Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:45:39                                        |
| Ambit temp [°C]   humidity [rel%] | 25.2   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

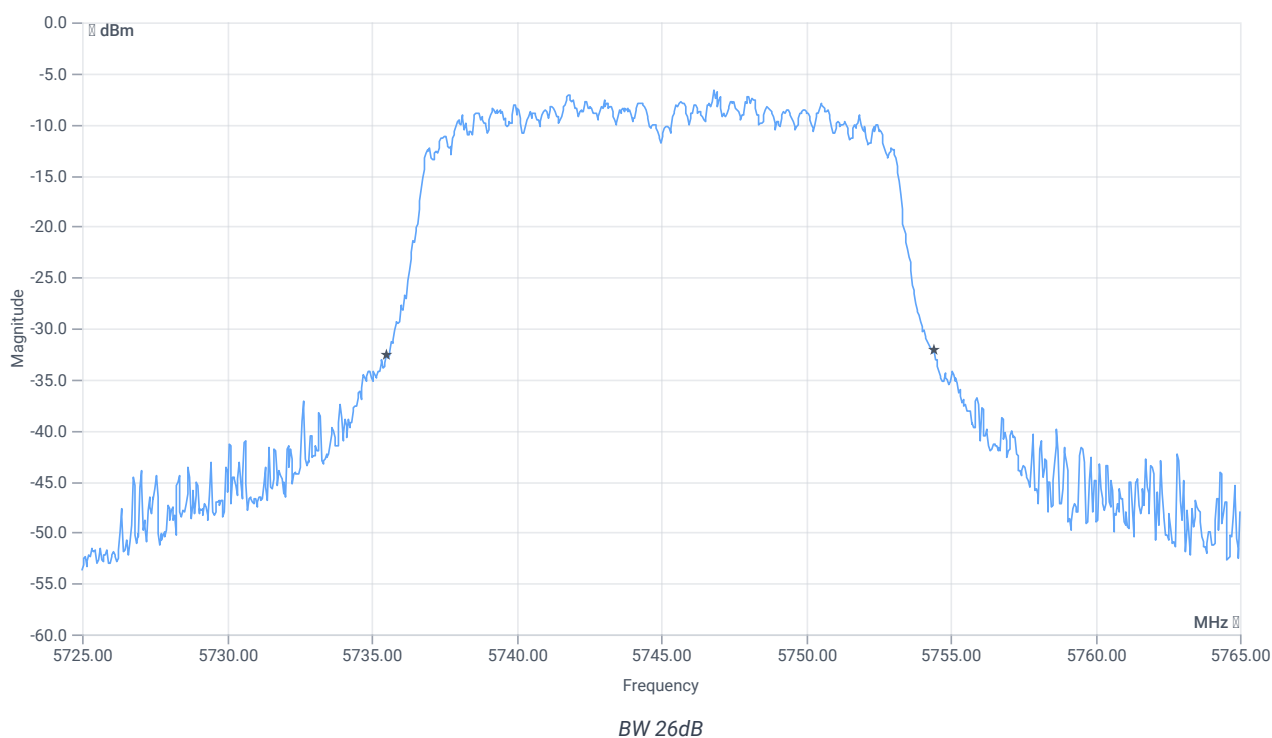
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.46    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5741.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



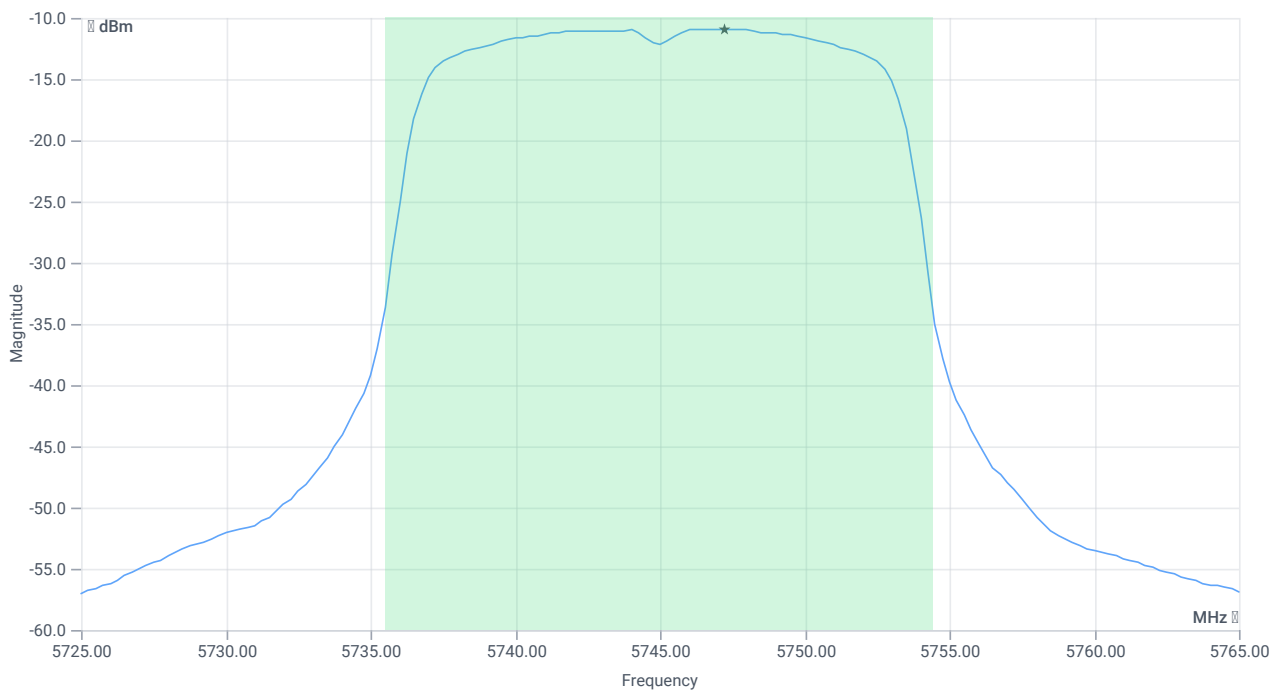
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.92     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5735.5200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5754.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.54   16.12   10     |
| Start [MHz]   Stop [MHz]                             | 5725.000   5765.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 0.14     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 0.14     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.92  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.77       | 0.14     | dBm  | na      |

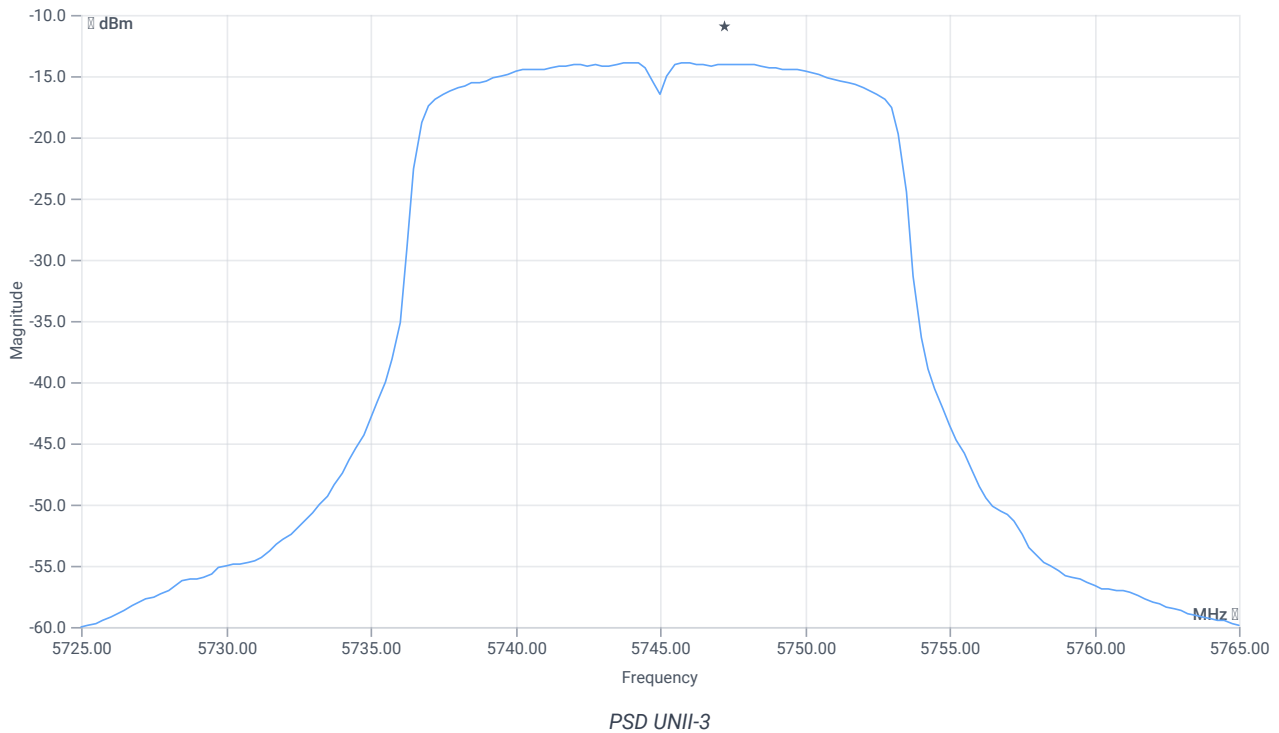
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 9.54   16.12   10   |
| Start [MHz]   Stop [MHz]                           | 5725.000   5765.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -13.88   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -13.88   | dBm/0.5MHz | PASS    |

## Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:39:36                                        |
| Ambit temp [°C]   humidity [rel%] | 25.3   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407   NI                                            |
| Method                            | KDB789033 D02, F., E.2.e.                                  |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5745 MHz

RESULT: Reference Power cond.

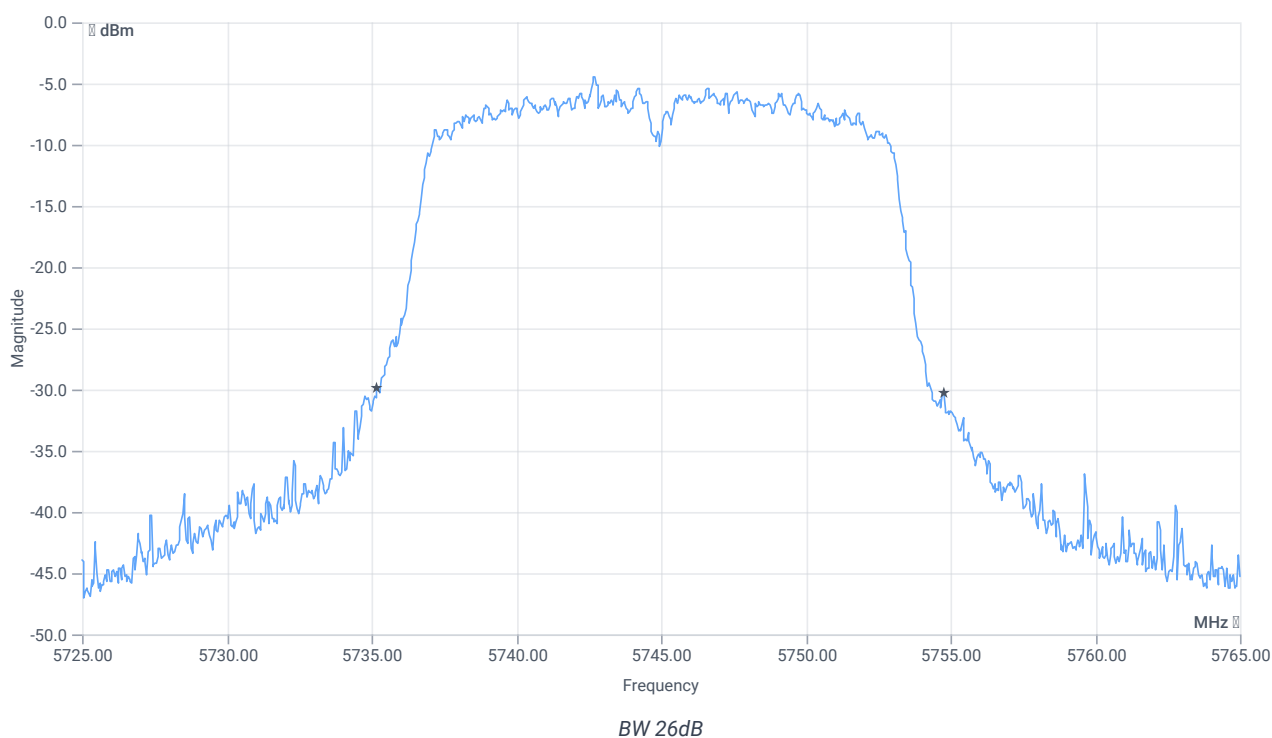
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.05     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5742.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



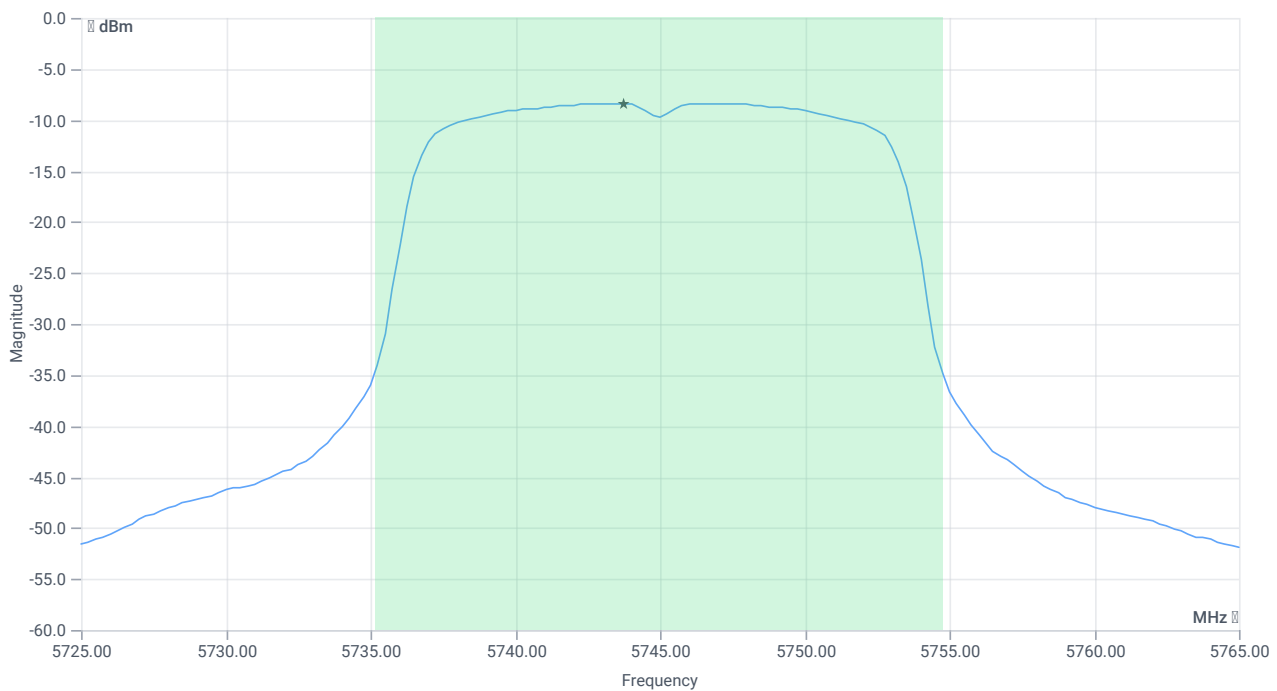
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.56     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5735.2000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5754.7600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.05   16.12   10    |
| Start [MHz]   Stop [MHz]                             | 5725.000   5765.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.71     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30          | 2.71     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.56  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.91       | 2.71     | dBm  | na      |

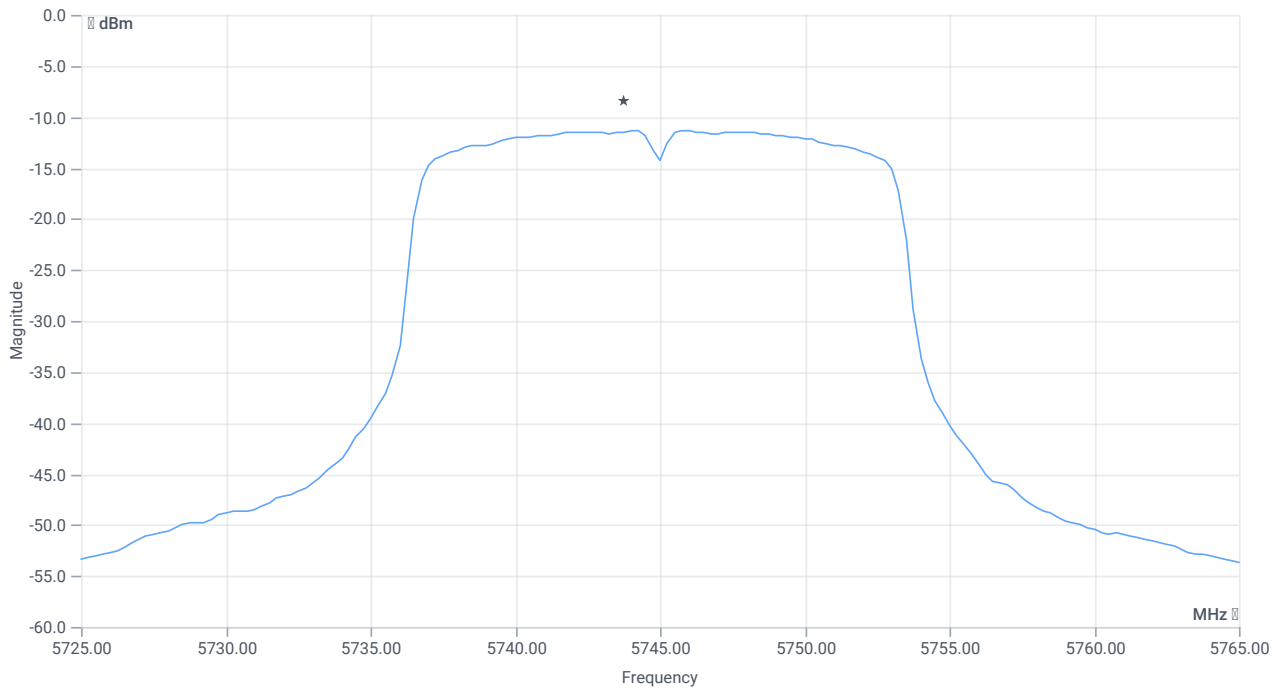
## Power Spectral Density U-NII-3

## READ SA SETTINGS:

|                                                    |                     |
|----------------------------------------------------|---------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB] | 12.05   16.12   15  |
| Start [MHz]   Stop [MHz]                           | 5725.000   5765.000 |

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RBW [MHz]   VBW [MHz]                                | 0.500000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT       | VERDICT |
|-------------------------------------|-------------|-------------|----------|------------|---------|
| Power Spectral Density              | ---         | ---         | -11.39   | dBm/0.5MHz | INFO    |
| Duty Cycle Correction               | ---         | ---         | 0        | dB         | INFO    |
| Power Spectral Density DC corrected | ---         | 30          | -11.39   | dBm/0.5MHz | PASS    |

## Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:45:40                                                |
| Ambit temp [°C]   humidity [rel%] | 23.3   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5530                |
| Frequency mid to test                            | True   Freq [MHz] 5610                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5610 MHz

RESULT: Reference Power cond.

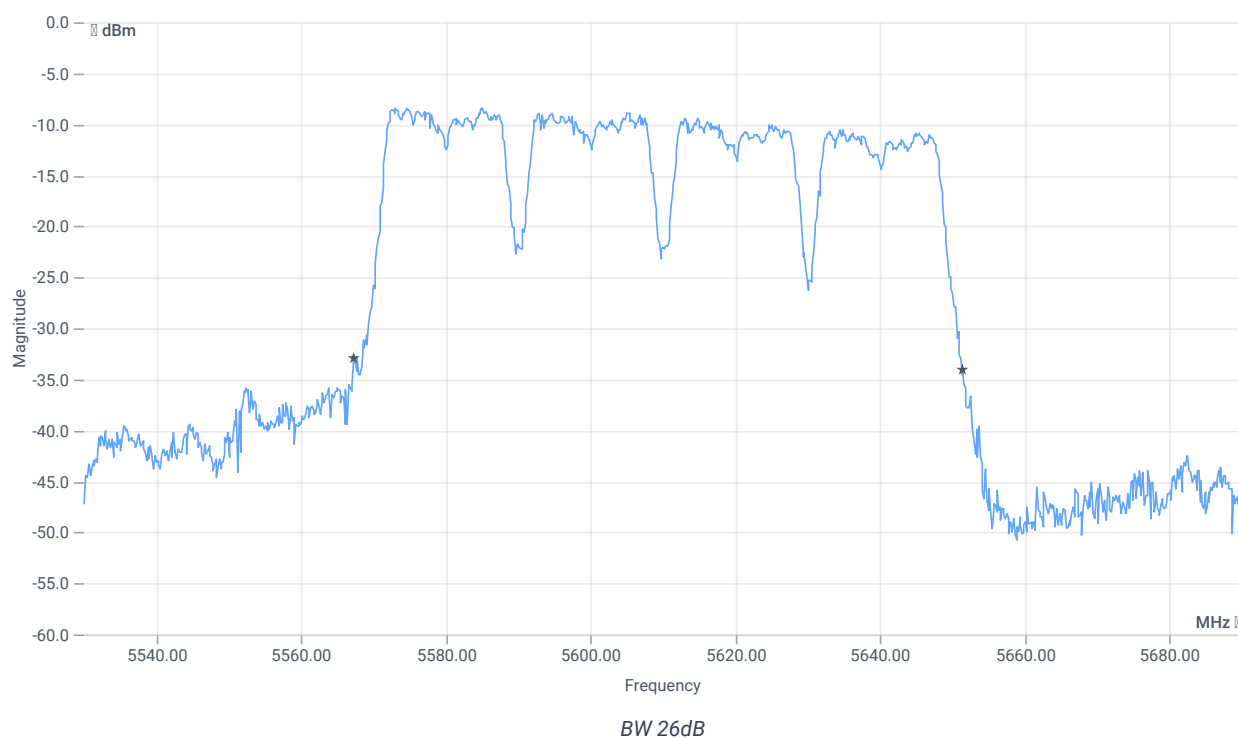
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -9.62    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5596.010 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



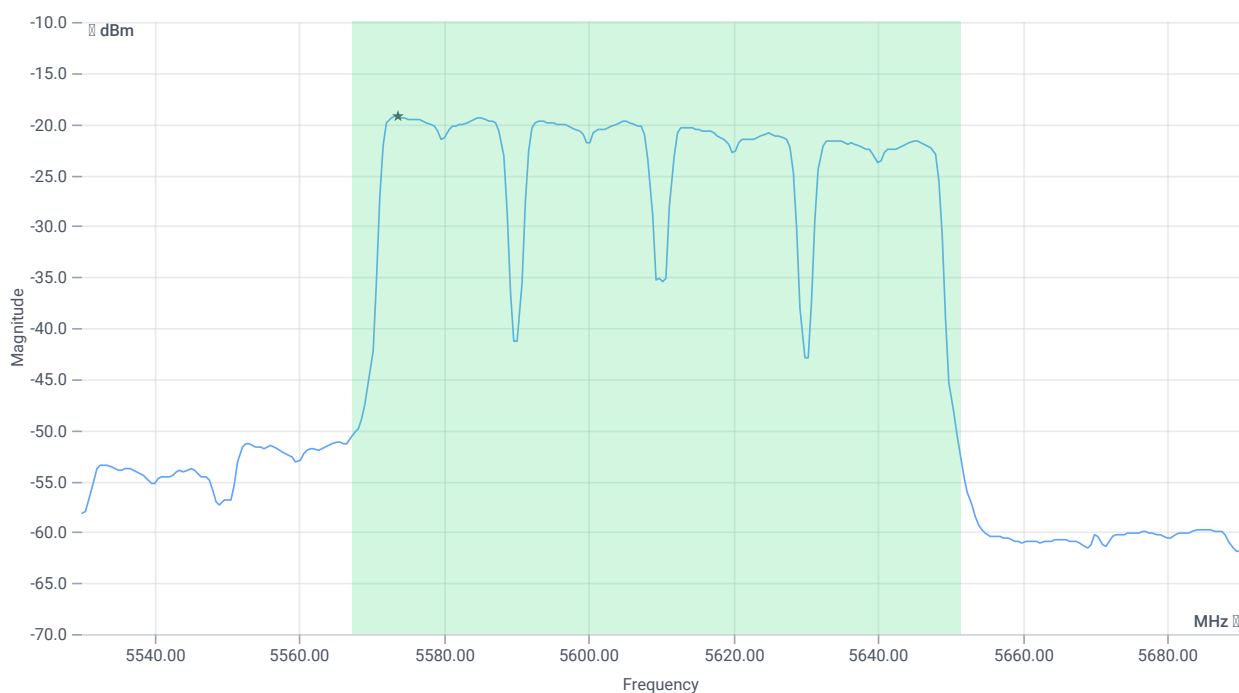
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 84.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5567.2800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5651.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.38   16.02   5       |
| Start [MHz]   Stop [MHz]                             | 5530.000   5690.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -2.81    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -2.81    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 84.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.25       | -2.81    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -19.24   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -19.24   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:39:55                                                |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5530                |
| Frequency mid to test                            | True   Freq [MHz] 5610                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5610 MHz

RESULT: Reference Power cond.

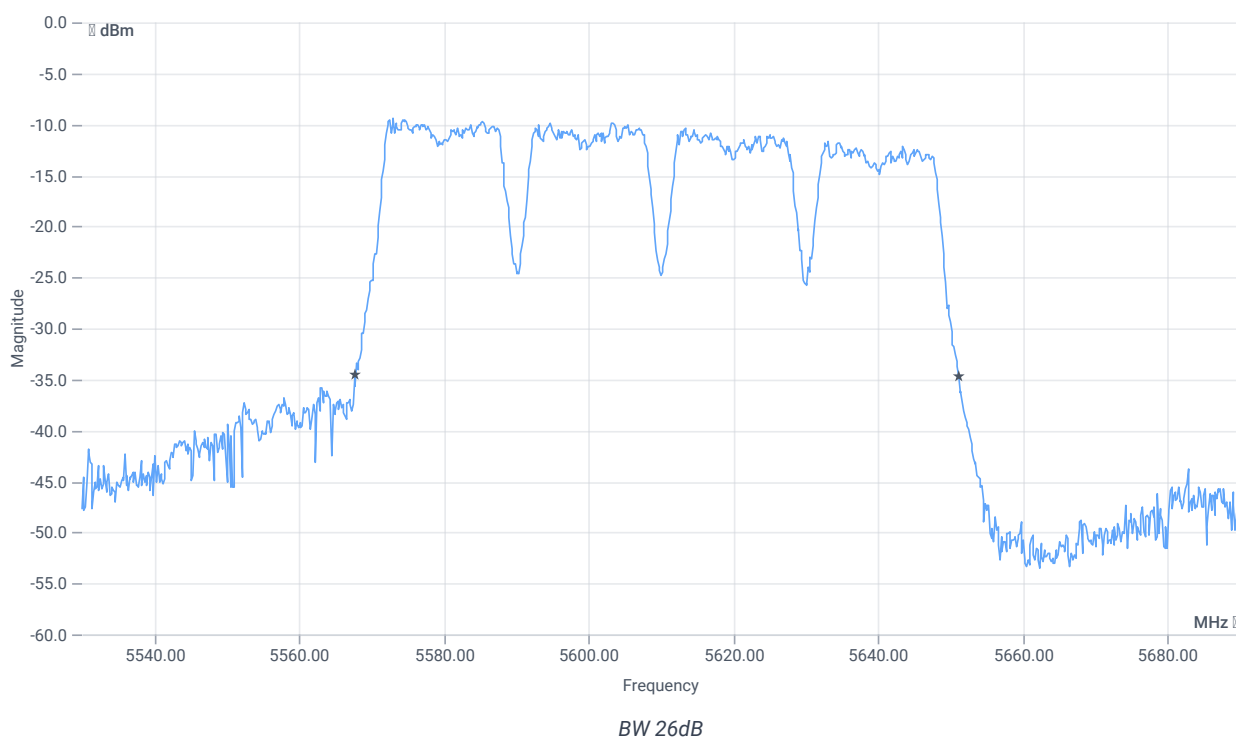
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -10.19   | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5583.230 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



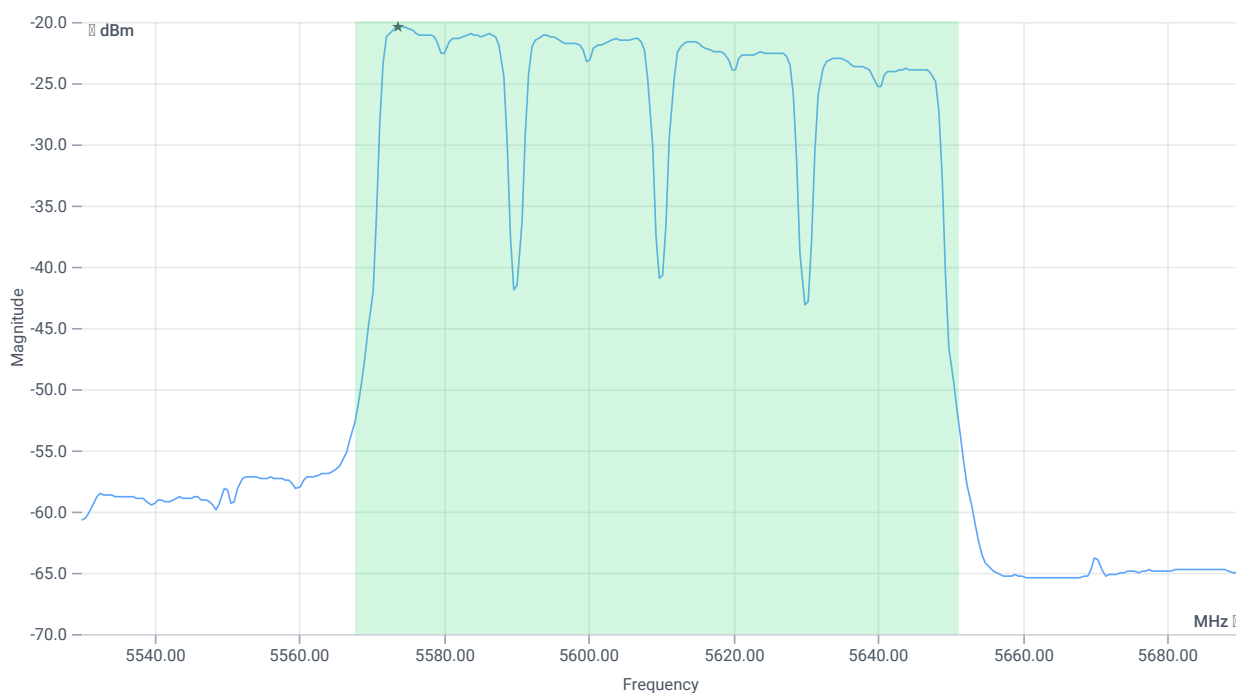
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.52     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5567.6000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5651.1200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 1.81   16.02   0       |
| Start [MHz]   Stop [MHz]                             | 5530.000   5690.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -4.18    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -4.18    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.52  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.22       | -4.18    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -20.36   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -20.36   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:33:51                                                |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5530                 |
| Frequency mid to test                            | False   Freq [MHz] 5610                |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5530 MHz

RESULT: Reference Power cond.

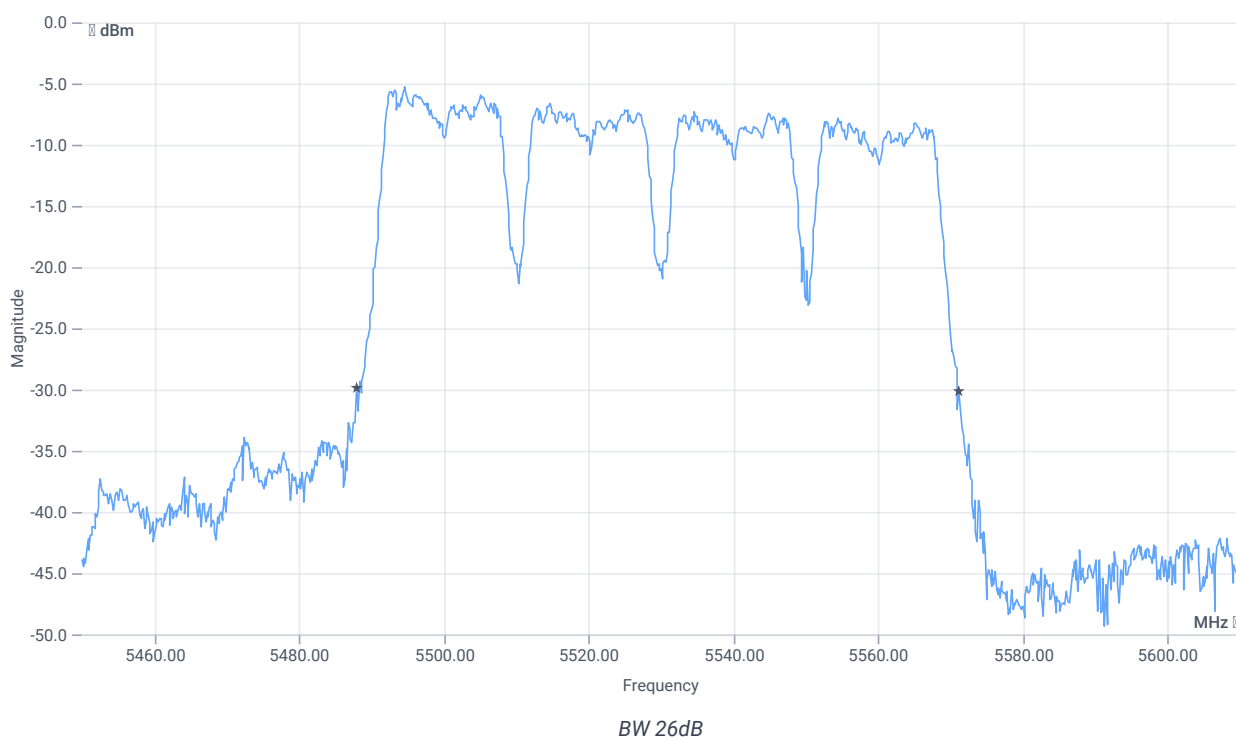
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.98    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5493.240 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



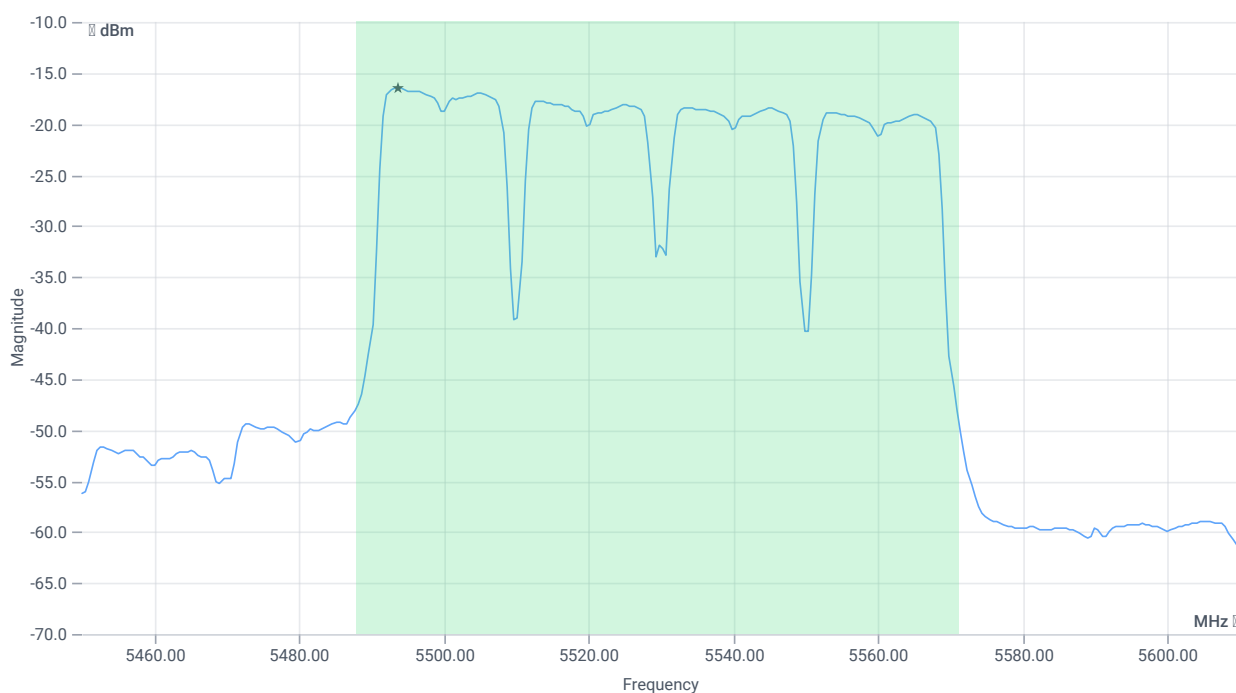
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.2      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5487.9200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5571.1200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.02   16.17   5       |
| Start [MHz]   Stop [MHz]                             | 5450.000   5610.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.48    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -0.48    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.2   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.2        | -0.48    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -16.49   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -16.49   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:28:21                                                |
| Ambit temp [°C]   humidity [rel%] | 23.0   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5530                 |
| Frequency mid to test                            | False   Freq [MHz] 5610                |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5530 MHz

RESULT: Reference Power cond.

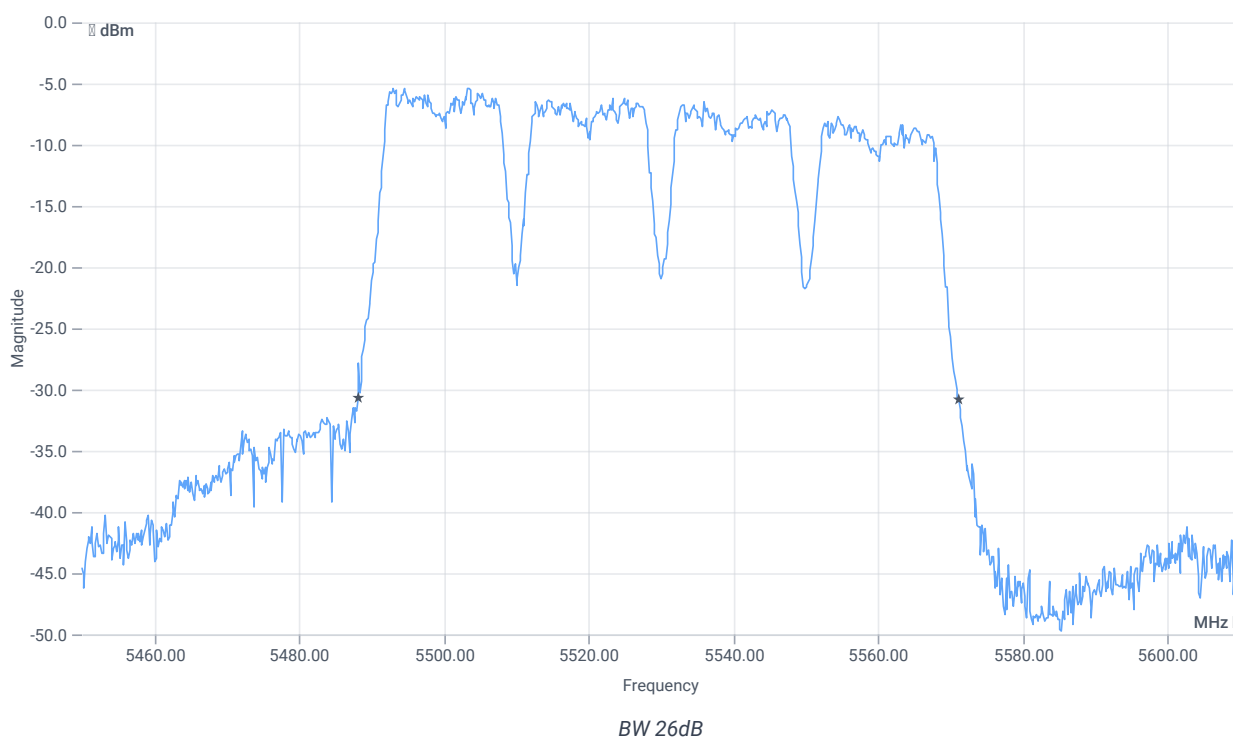
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.40    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5503.230 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



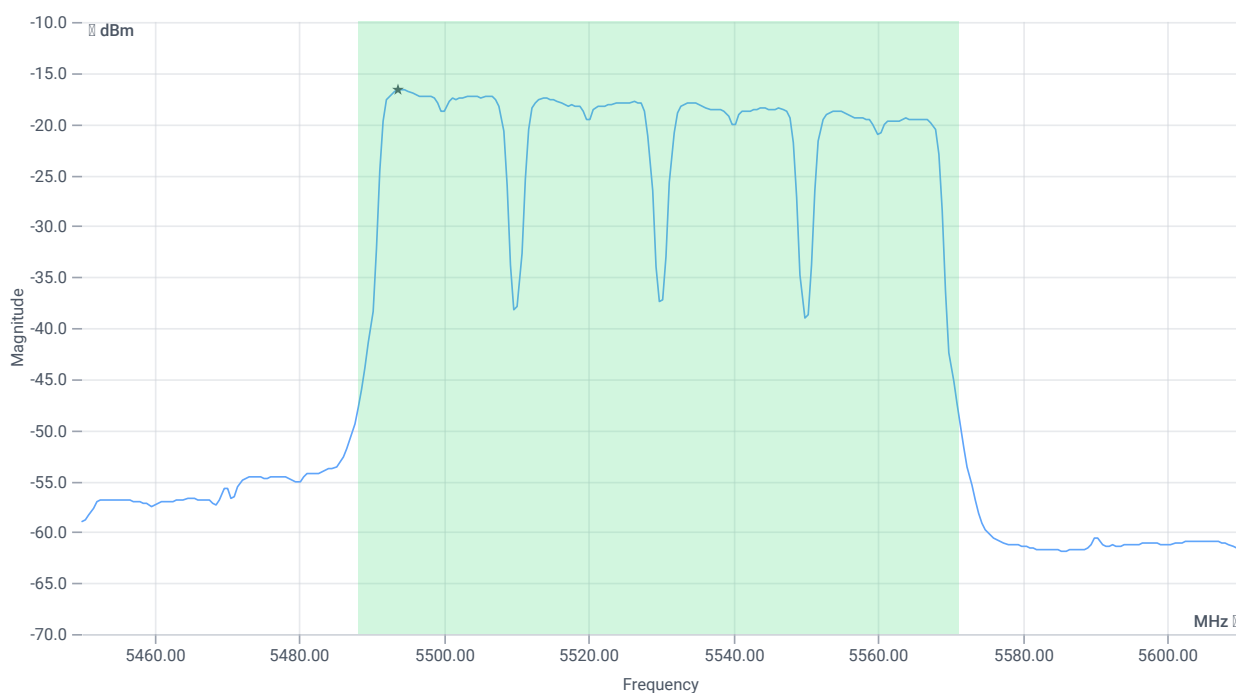
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.04     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5488.0800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5571.1200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.60   16.17   5       |
| Start [MHz]   Stop [MHz]                             | 5450.000   5610.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.36    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -0.36    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.04  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.19       | -0.36    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -16.66   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -16.66   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2A

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:22:02                                                |
| Ambit temp [°C]   humidity [rel%] | 23.0   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5290                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5290 MHz

RESULT: Reference Power cond.

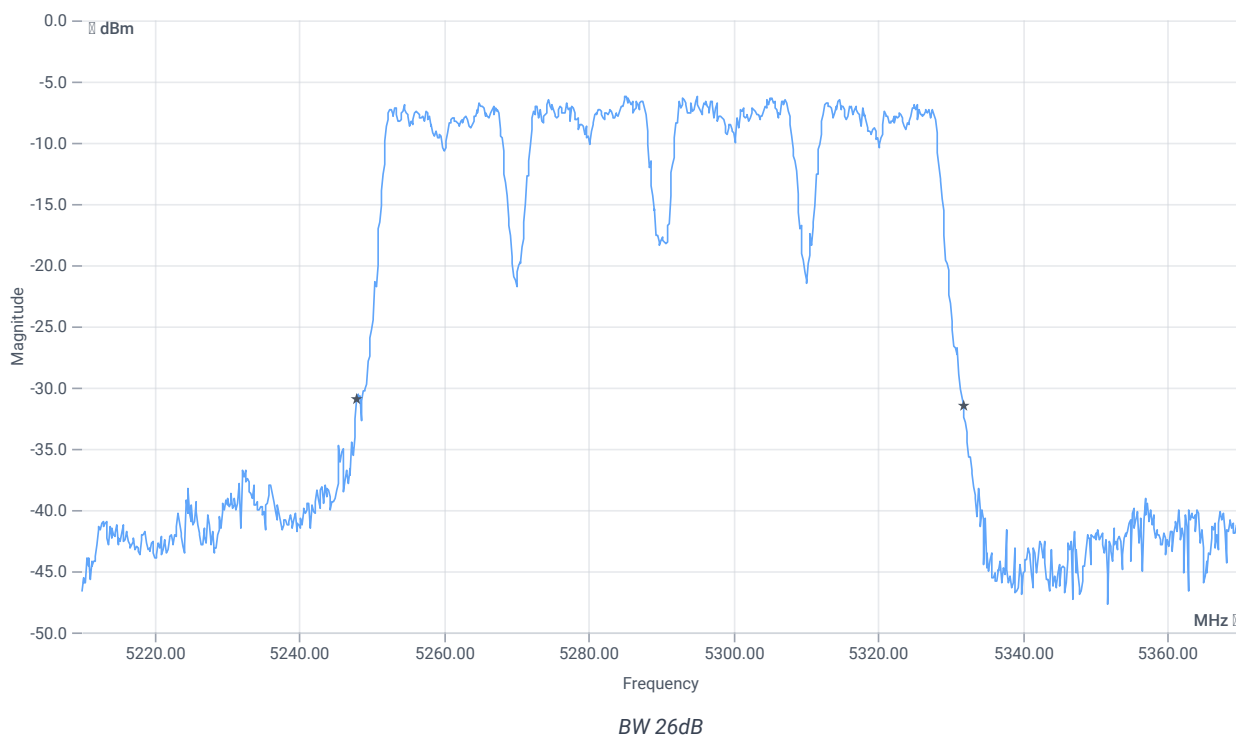
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.65    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5314.380 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



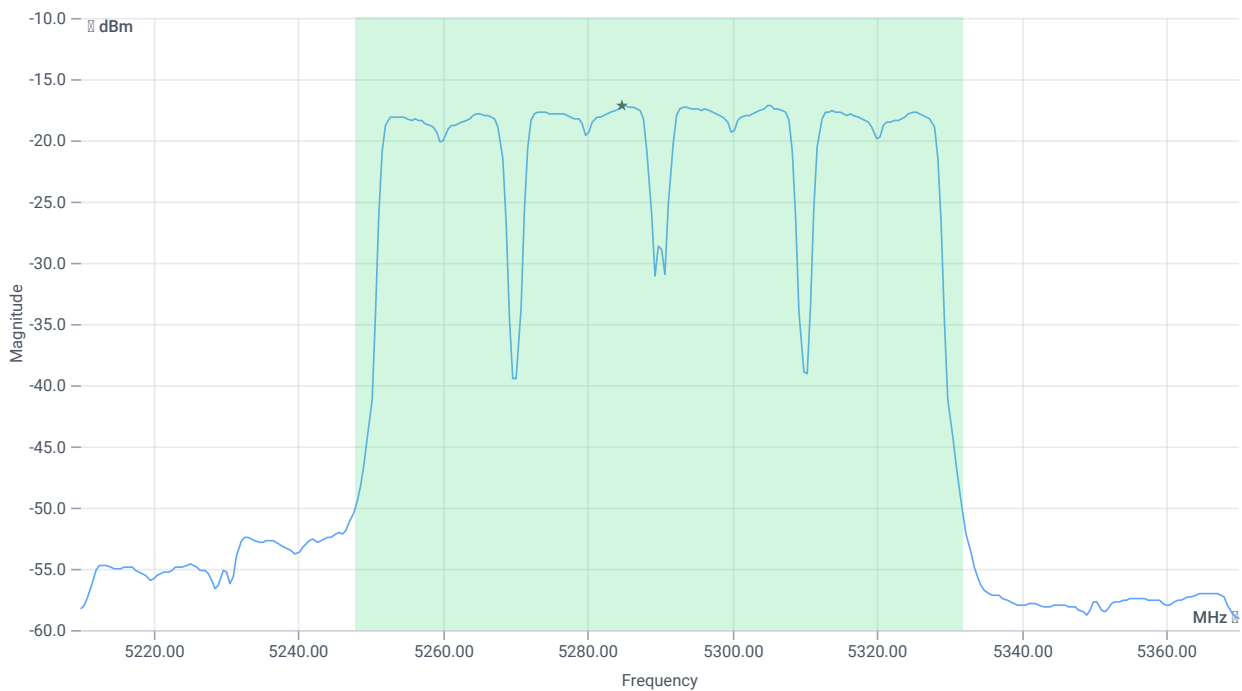
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 83.84     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5247.9200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5331.7600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 5.35   15.5   5        |
| Start [MHz]   Stop [MHz]                             | 5210.000   5370.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.09    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -0.09    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 83.84  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.23       | -0.09    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -17.16   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -17.16   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2A

### References

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| TC start                          | 17.10.2023 15:16:21                                                |
| Ambit temp [°C]   humidity [rel%] | 23.0   34                                                          |
| System version                    | 4.6.2.0                                                            |
| Standard   Version                | FCC 15.407   NI                                                    |
| Method                            | KDB789033 D02, F., E.2.e.                                          |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A |
| Information                       |                                                                    |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5290                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5290 MHz

RESULT: Reference Power cond.

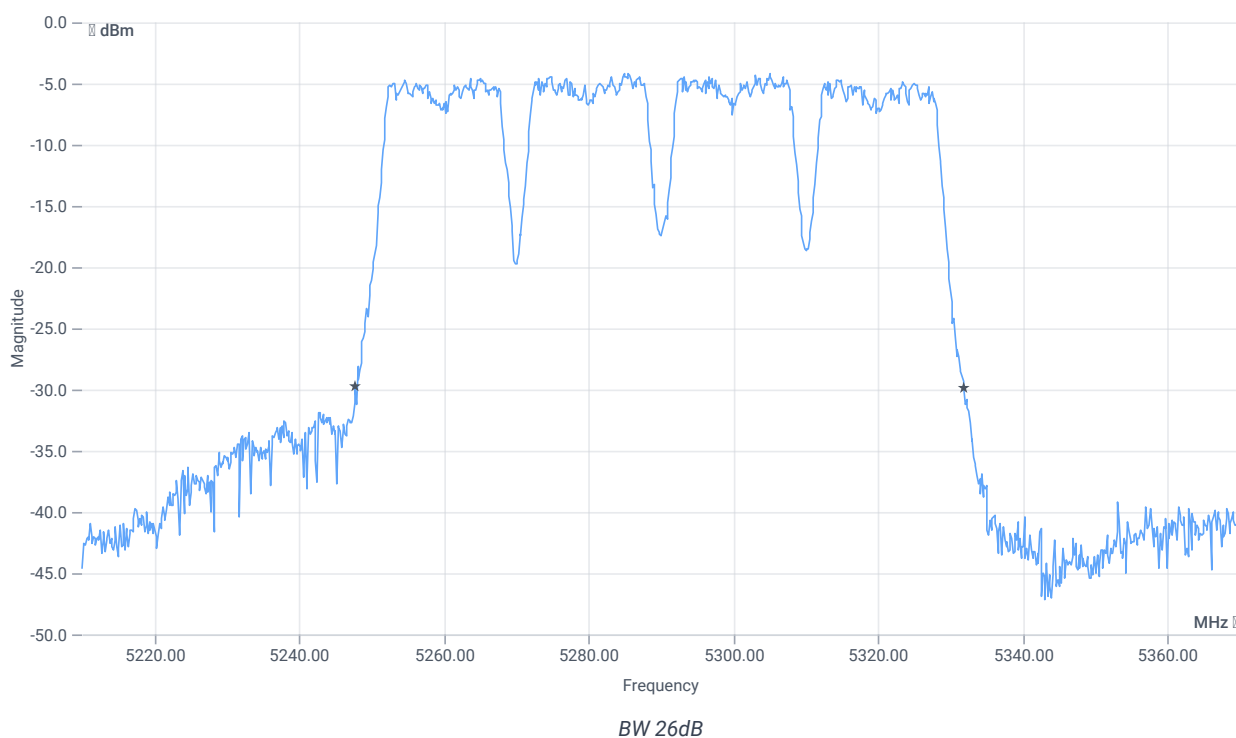
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -4.82    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5286.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



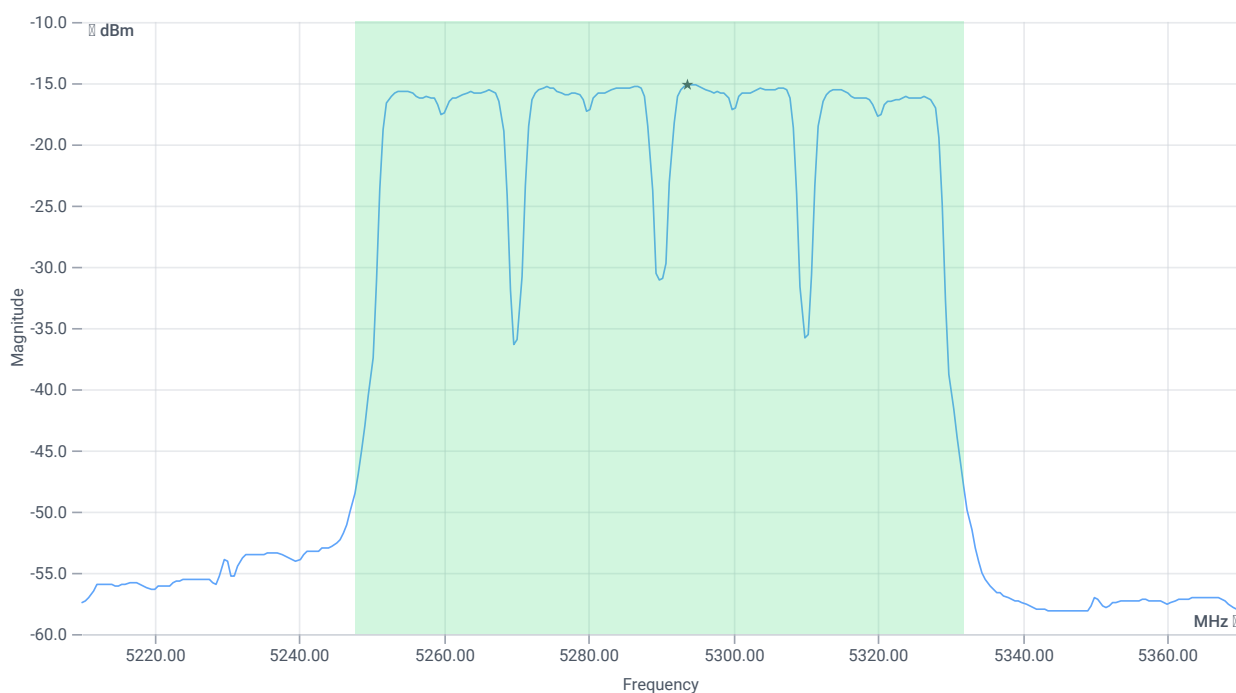
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 84.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5247.7600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5331.9200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                        |
|------------------------------------------------------|------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 7.18   15.5   10       |
| Start [MHz]   Stop [MHz]                             | 5210.000   5370.000    |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000    |
| Detector   TraceMode                                 | RMS   MAXH             |
| Sweep: time [ms]   count   points per Section   type | 107000   1   320   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.05     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.05     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 84.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 30.25       | 2.05     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -15.11   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -15.11   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:24:30                                              |
| Ambit temp [°C]   humidity [rel%] | 22.9   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5510                |
| Frequency mid to test                            | False   Freq [MHz] 5590                |
| Frequency high to test                           | True   Freq [MHz] 5670                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5670 MHz

RESULT: Reference Power cond.

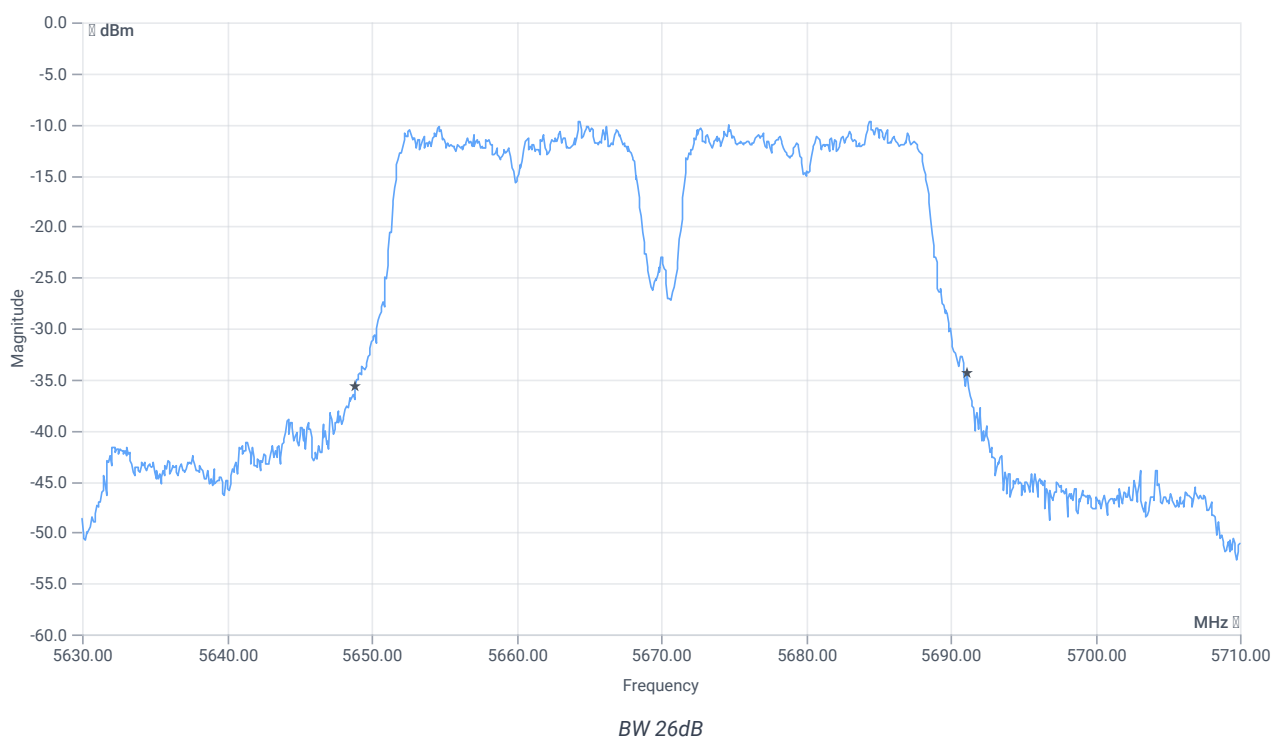
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -6.49    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5685.380 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



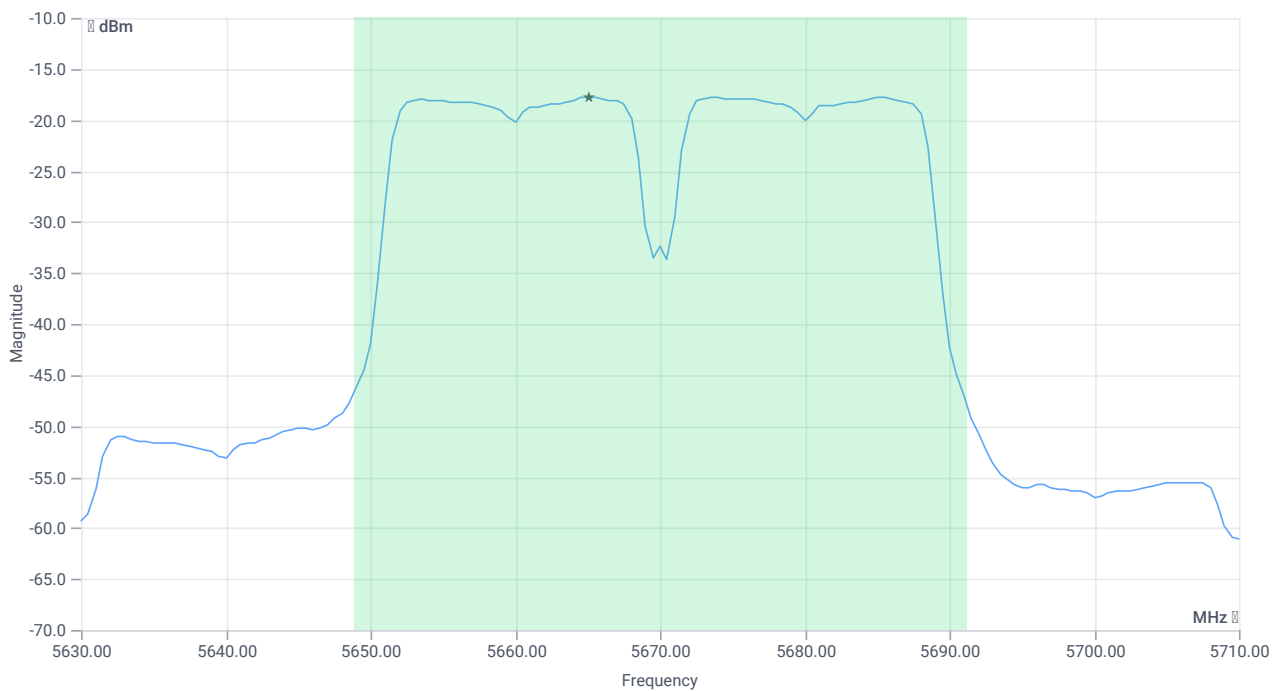
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.32     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5648.8800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5691.2000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 5.51   16.08   5      |
| Start [MHz]   Stop [MHz]                             | 5630.000   5710.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -3.37    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -3.37    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.32  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.27       | -3.37    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -17.71   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -17.71   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:21:05                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5510                |
| Frequency mid to test                            | False   Freq [MHz] 5590                |
| Frequency high to test                           | True   Freq [MHz] 5670                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5670 MHz

RESULT: Reference Power cond.

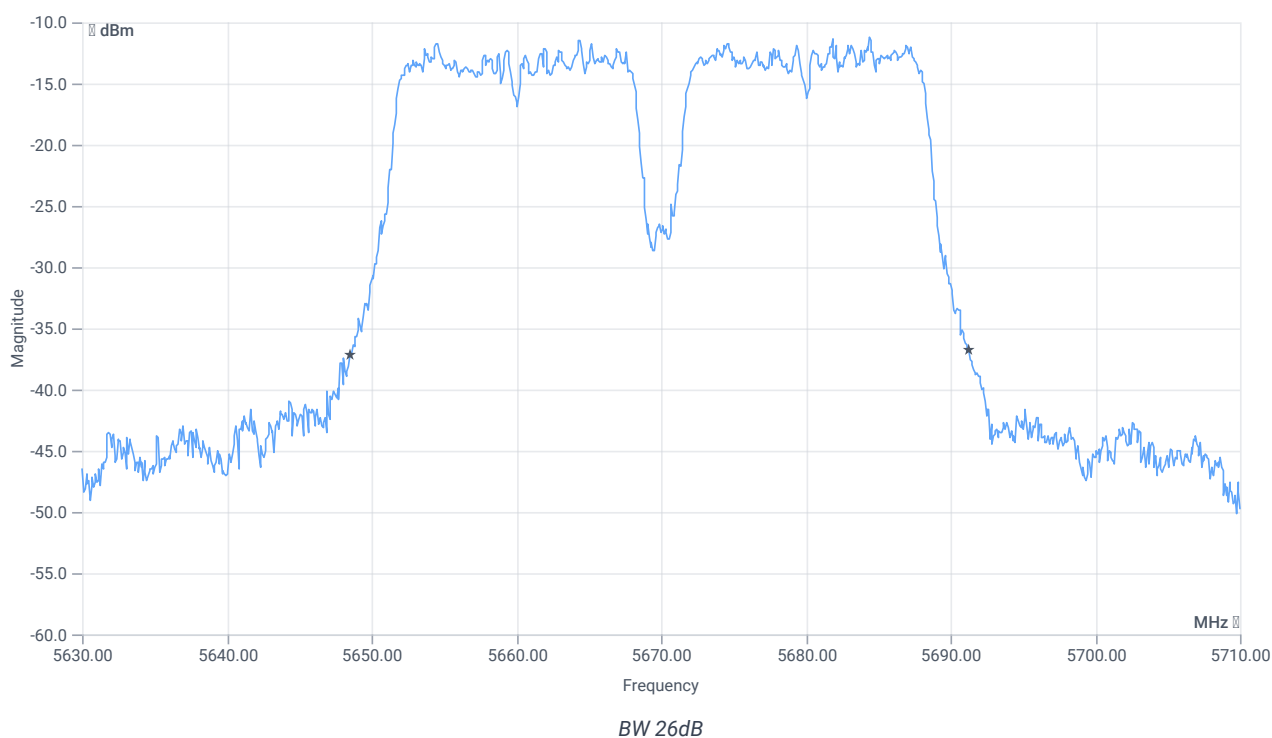
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -8.07    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5685.380 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



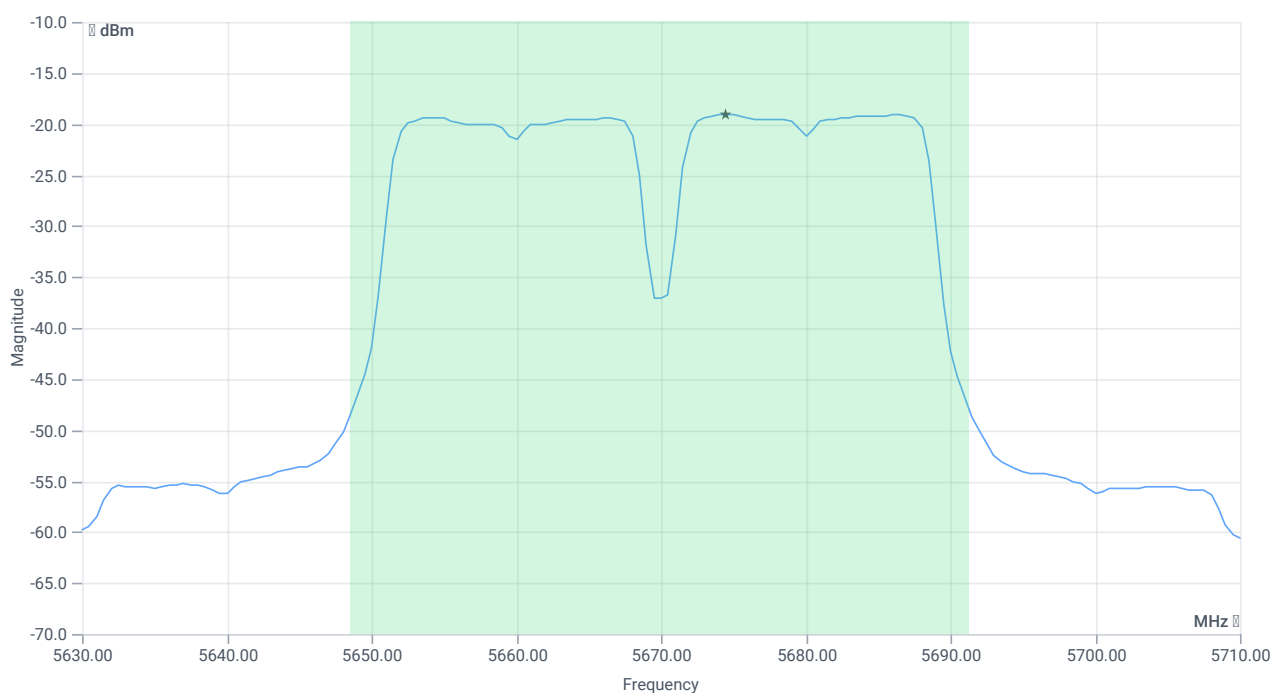
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5648.4800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5691.2800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.93   16.08   5      |
| Start [MHz]   Stop [MHz]                             | 5630.000   5710.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -4.73    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -4.73    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.31       | -4.73    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -19.06   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -19.06   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:16:24                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5510                |
| Frequency mid to test                            | True   Freq [MHz] 5590                 |
| Frequency high to test                           | False   Freq [MHz] 5670                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5590 MHz

RESULT: Reference Power cond.

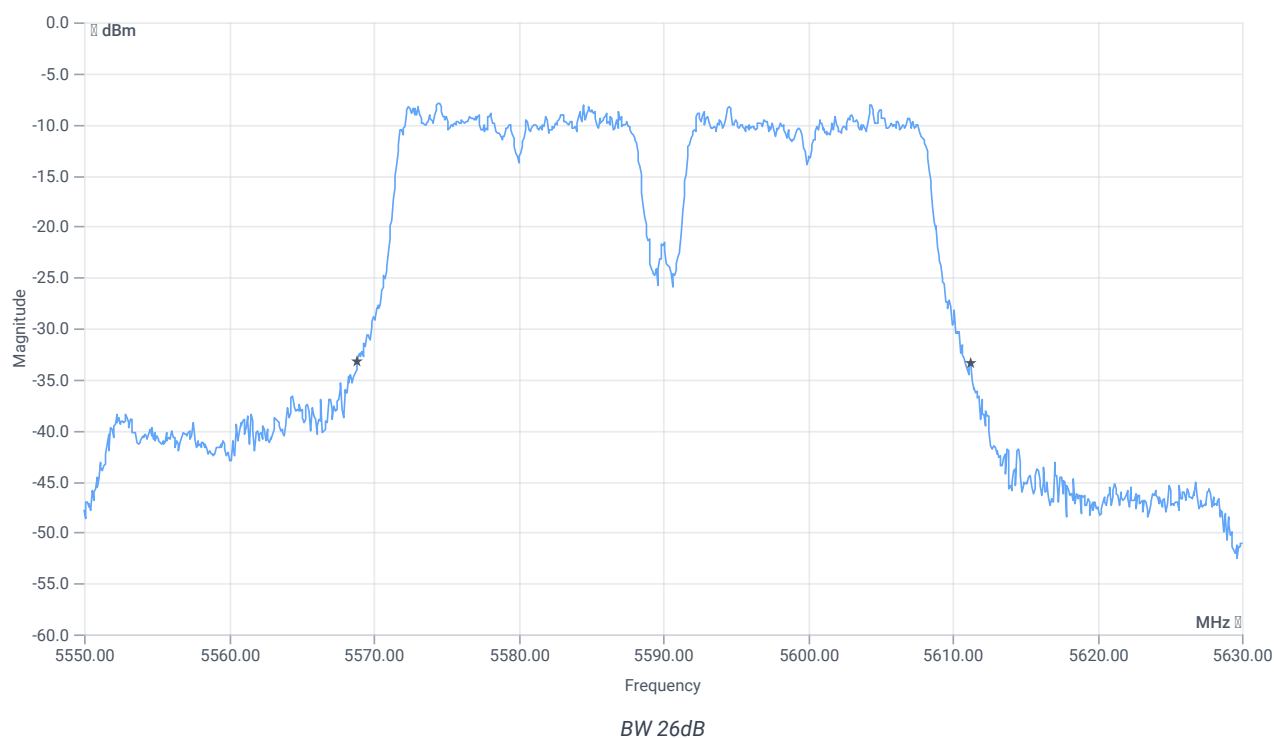
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.35    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5594.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



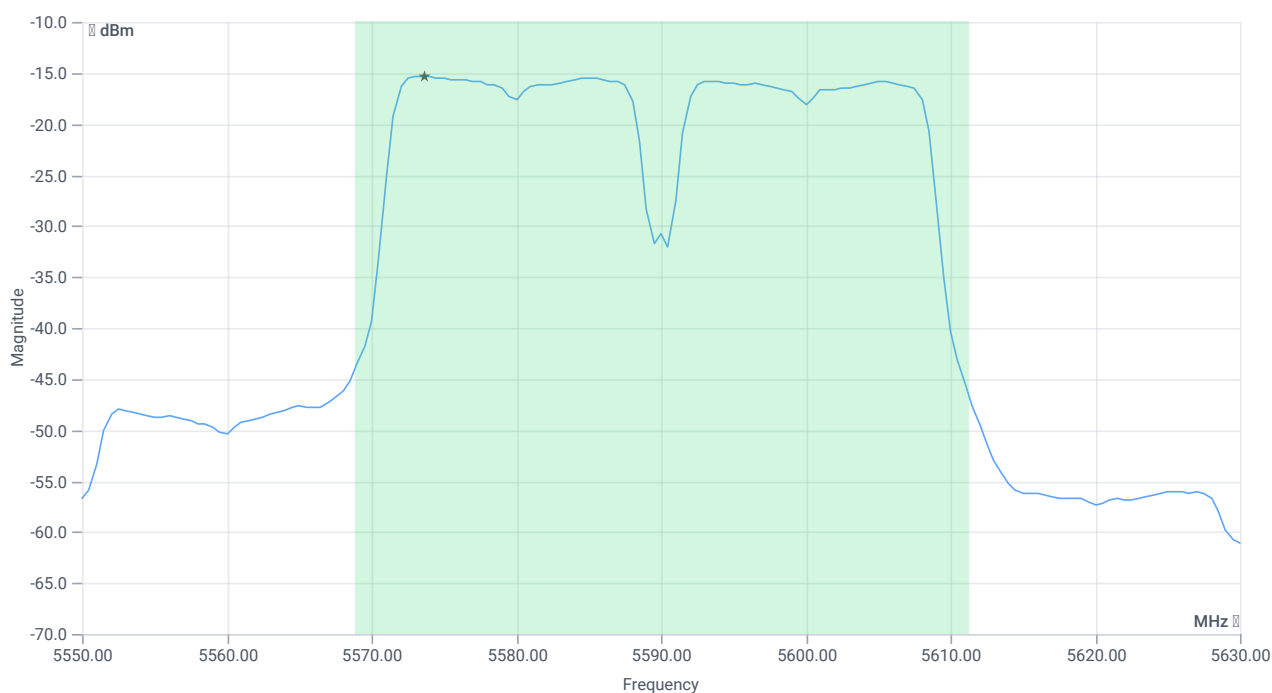
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.4      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5568.8800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5611.2800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.65   16.12   5      |
| Start [MHz]   Stop [MHz]                             | 5550.000   5630.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.16    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -1.16    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.4   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.27       | -1.16    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -15.34   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -15.34   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:13:01                                              |
| Ambit temp [°C]   humidity [rel%] | 22.7   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5510                |
| Frequency mid to test                            | True   Freq [MHz] 5590                 |
| Frequency high to test                           | False   Freq [MHz] 5670                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5590 MHz

RESULT: Reference Power cond.

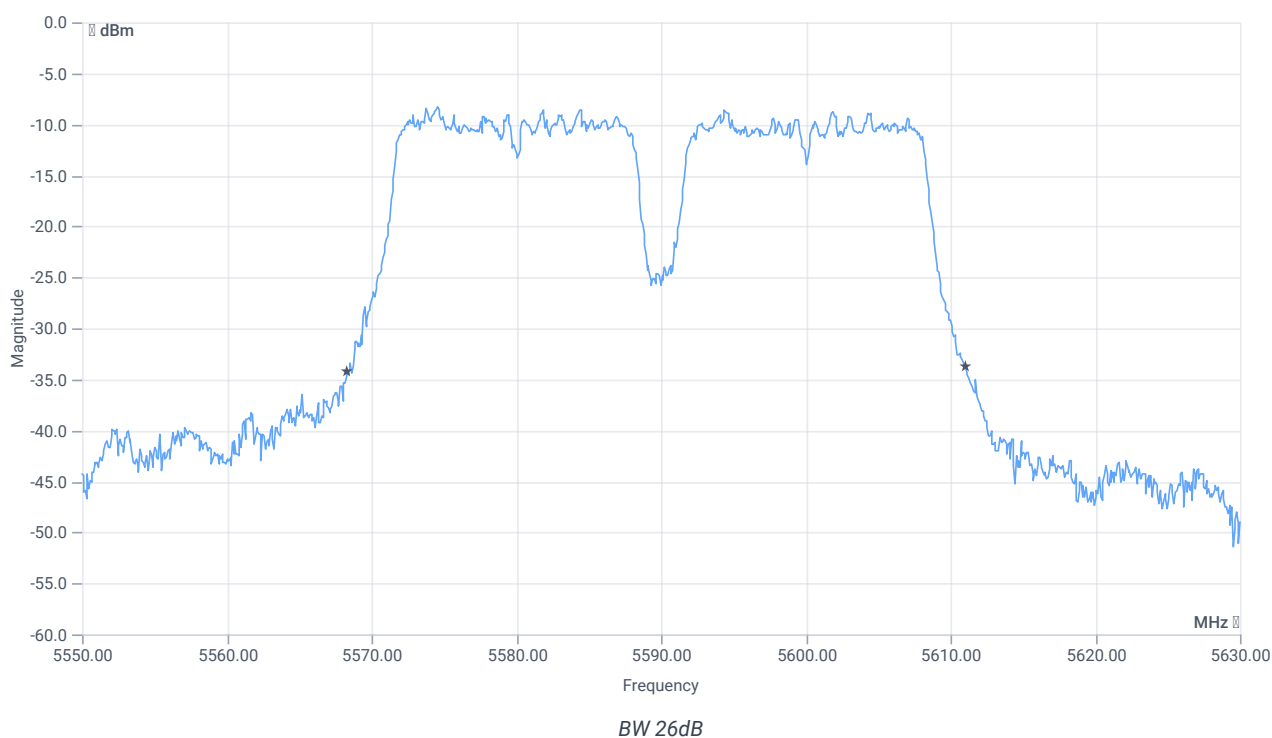
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.98    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5584.810 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



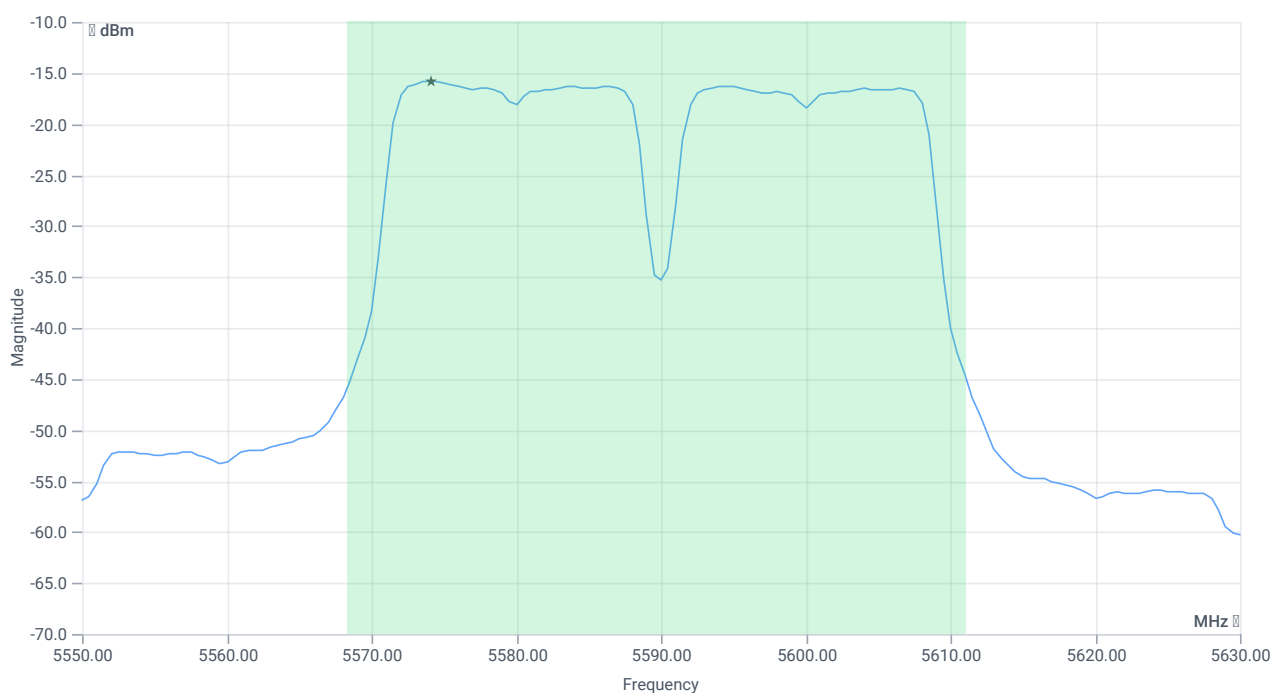
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5568.3200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5611.0400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.02   16.12   5      |
| Start [MHz]   Stop [MHz]                             | 5550.000   5630.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.71    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -1.71    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.31       | -1.71    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -15.83   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -15.83   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:09:05                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5510                 |
| Frequency mid to test                            | False   Freq [MHz] 5590                |
| Frequency high to test                           | False   Freq [MHz] 5670                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5510 MHz

RESULT: Reference Power cond.

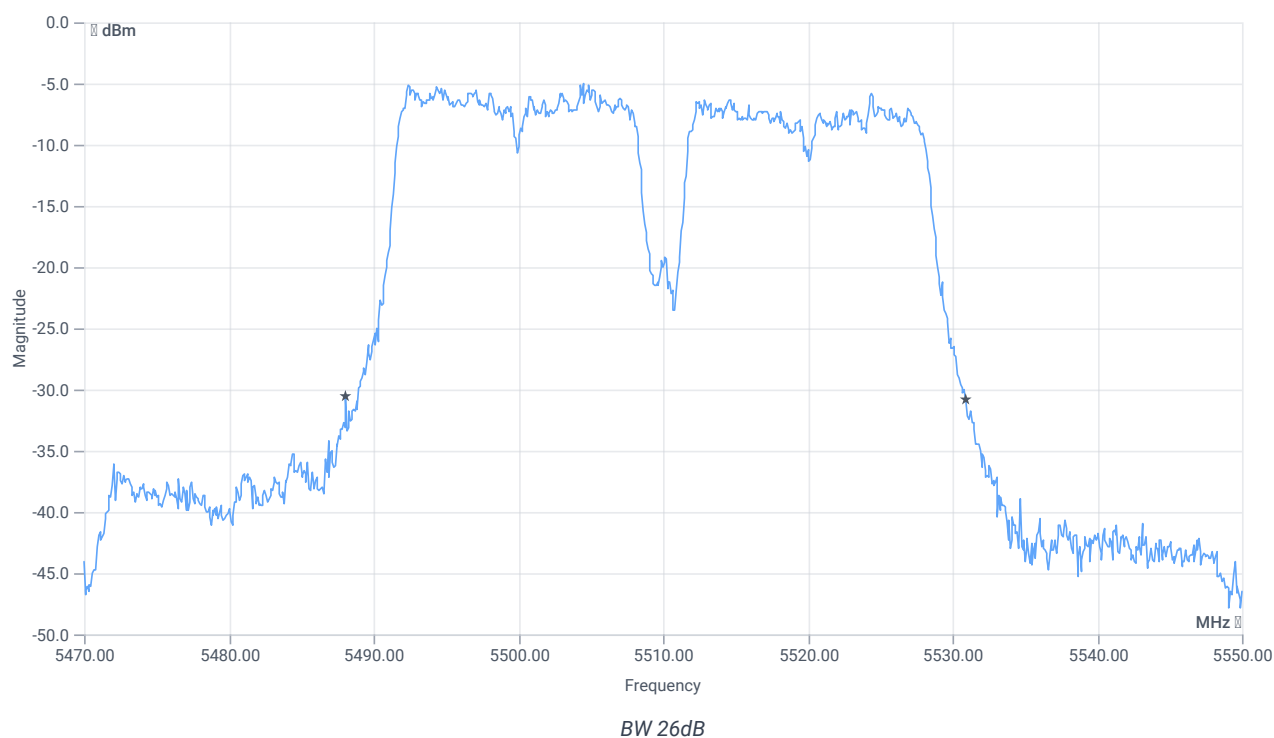
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.75    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5495.010 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



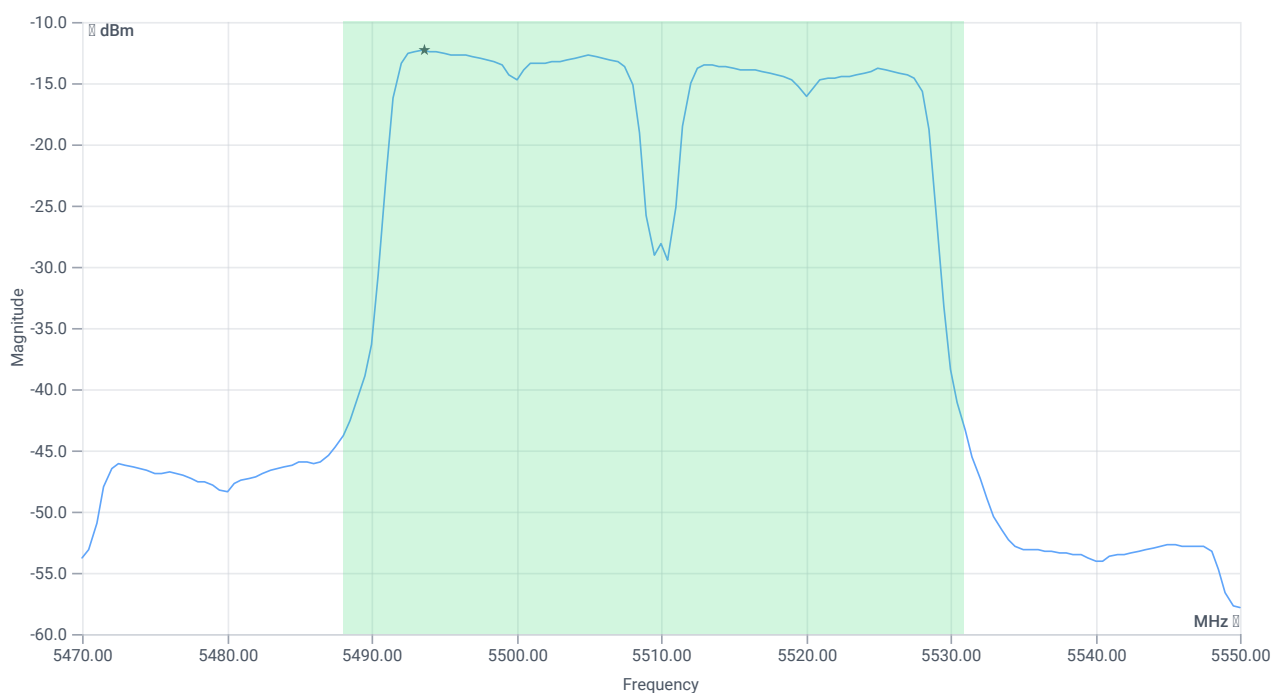
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.88     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5488.0800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5530.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.25   15.99   10     |
| Start [MHz]   Stop [MHz]                             | 5470.000   5550.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.35     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.35     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.88  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.32       | 1.35     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.35   | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.35   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:05:42                                              |
| Ambit temp [°C]   humidity [rel%] | 22.9   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5510                 |
| Frequency mid to test                            | False   Freq [MHz] 5590                |
| Frequency high to test                           | False   Freq [MHz] 5670                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5510 MHz

RESULT: Reference Power cond.

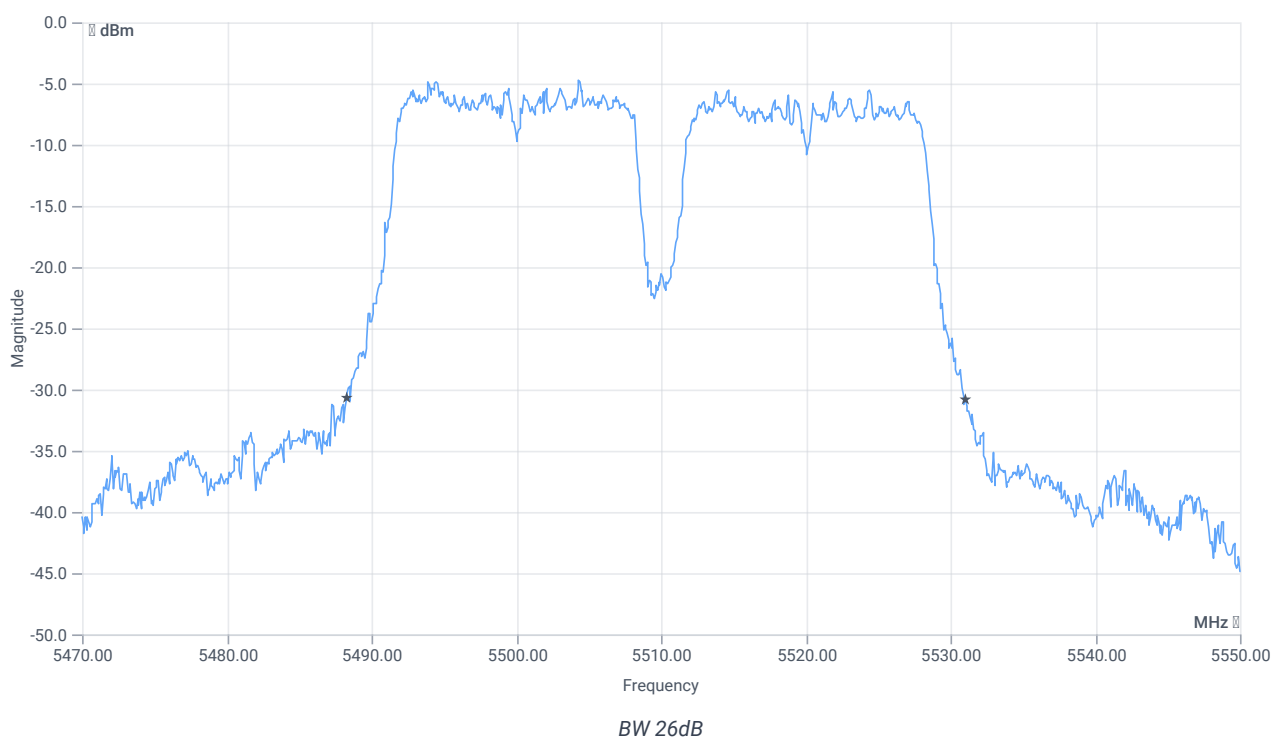
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.01    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5504.810 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



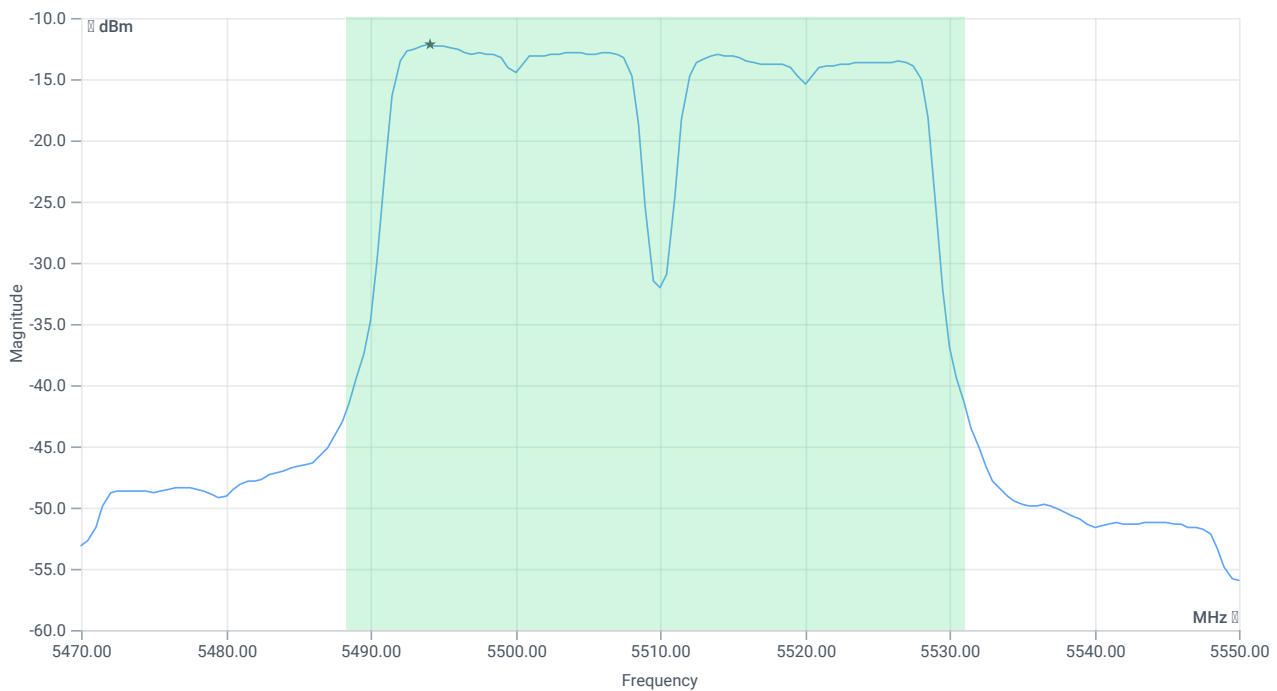
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5488.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5531.0400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.99   15.99   10     |
| Start [MHz]   Stop [MHz]                             | 5470.000   5550.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.65     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.65     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.31       | 1.65     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.2    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.2    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 14:01:03                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5270                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5310                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5310 MHz

RESULT: Reference Power cond.

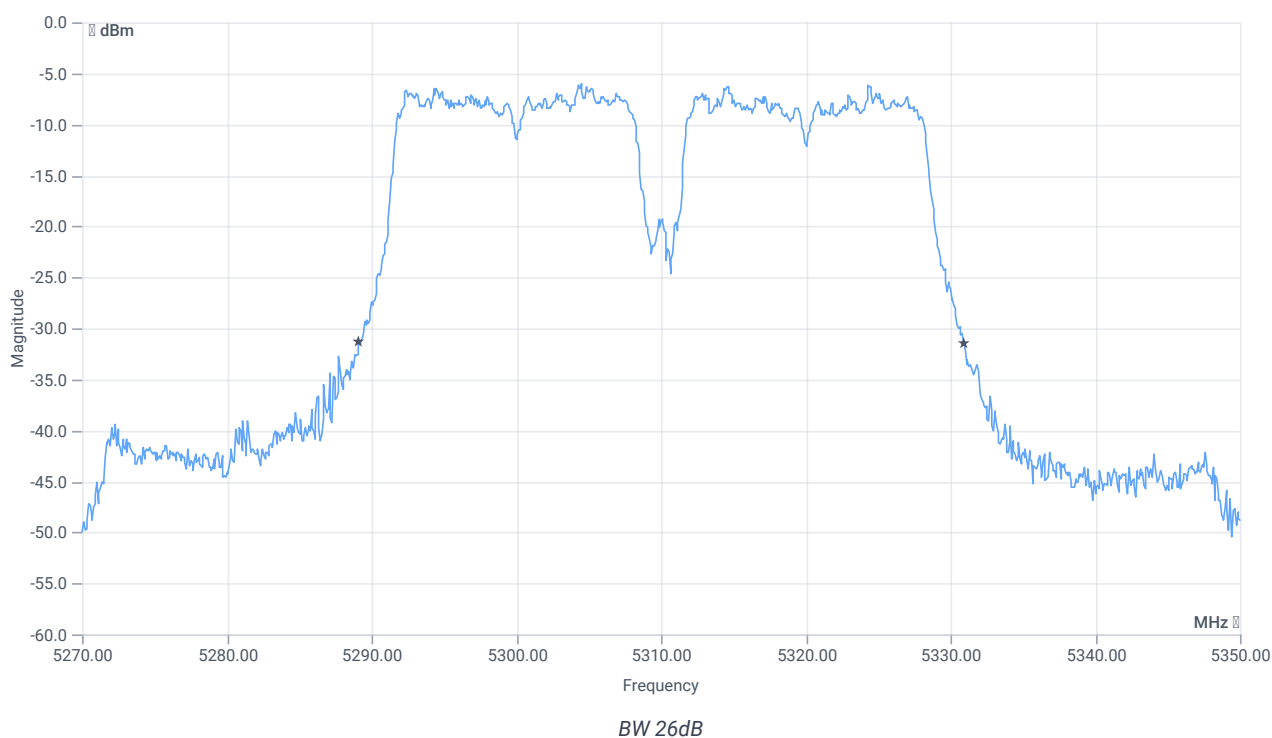
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.64    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5324.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



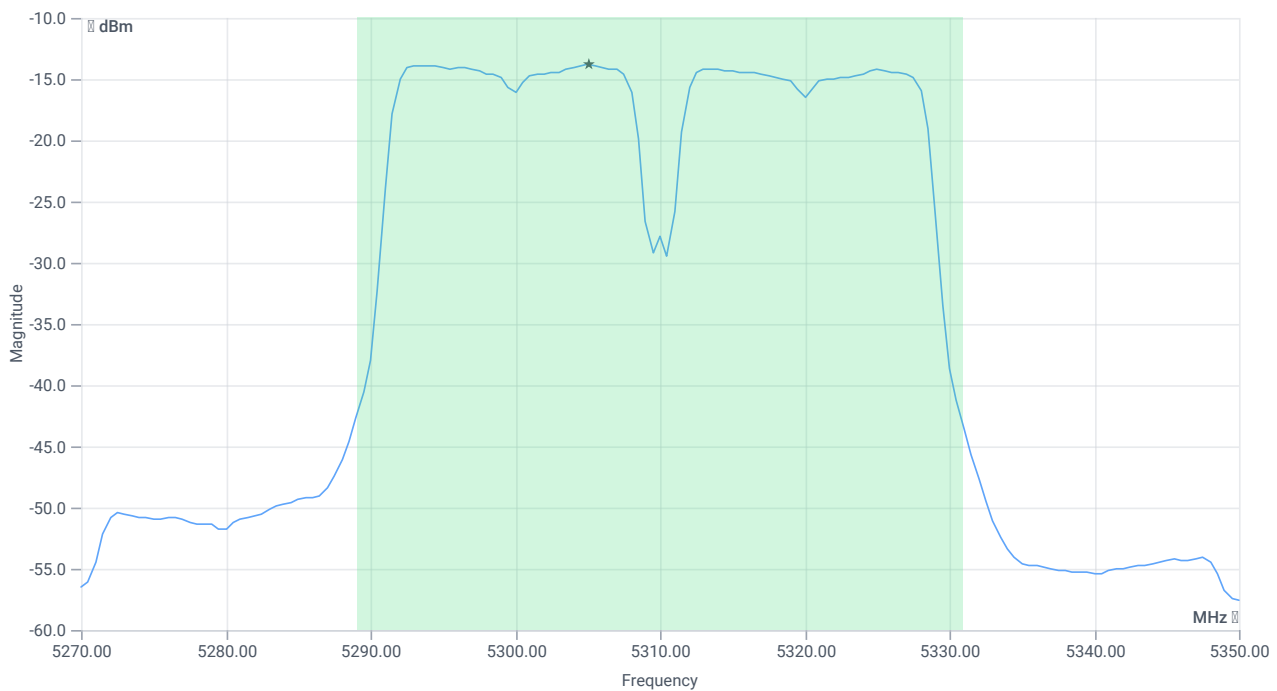
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 41.84     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5289.1200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5330.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.36   15.52   10     |
| Start [MHz]   Stop [MHz]                             | 5270.000   5350.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 0.43     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 0.43     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 41.84  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.22       | 0.43     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -13.78   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -13.78   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 13:57:07                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   33                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5270                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5310                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5310 MHz

RESULT: Reference Power cond.

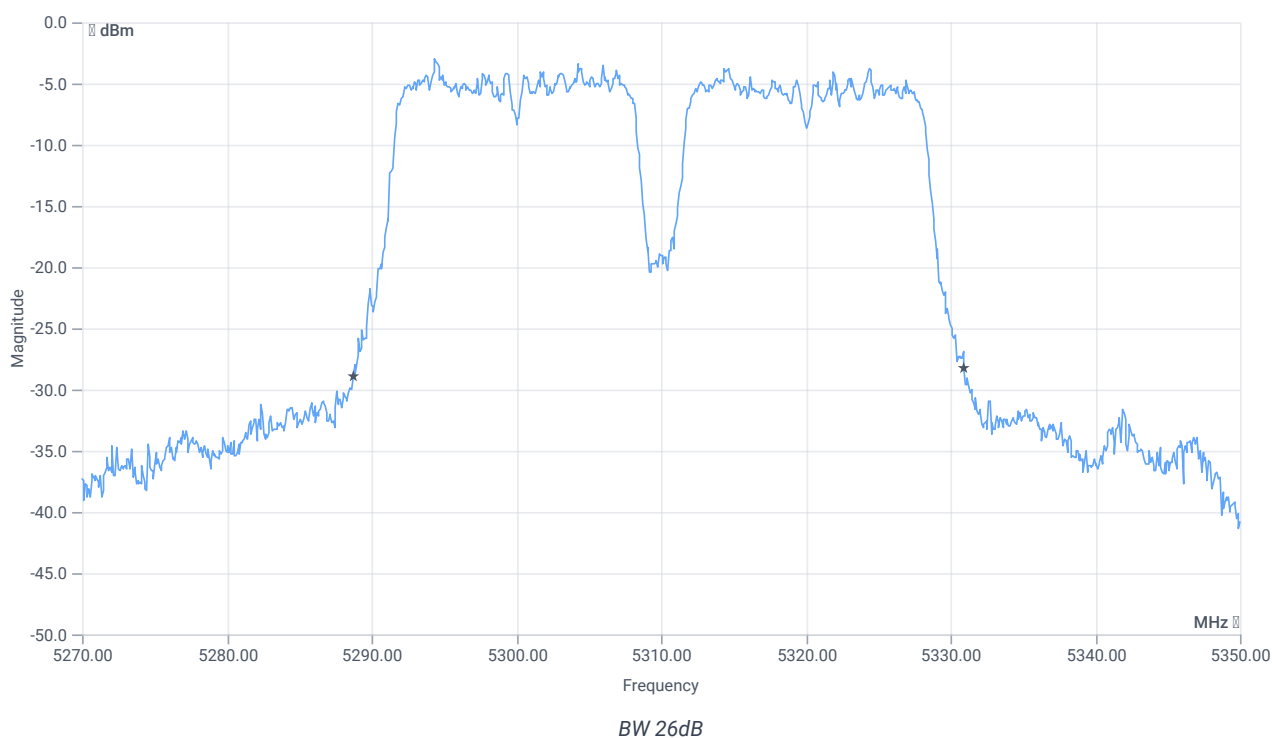
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.12    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5296.810 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



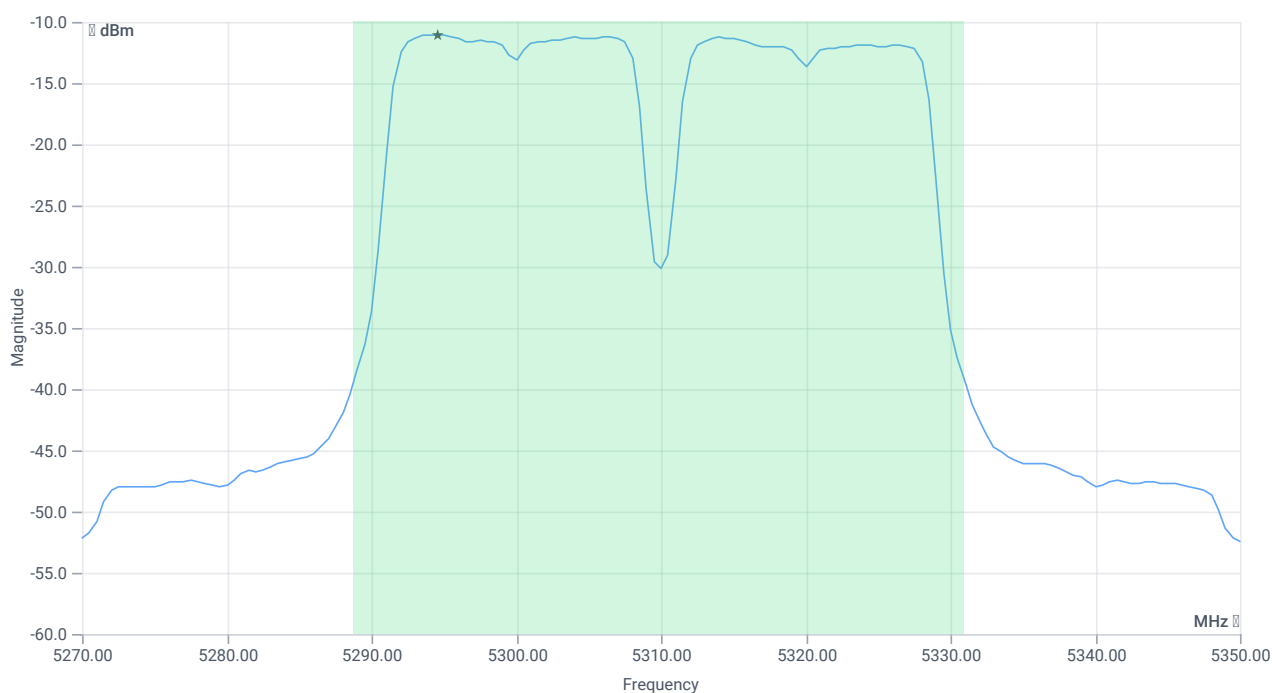
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.24     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5288.7200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5330.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.88   15.52   10    |
| Start [MHz]   Stop [MHz]                             | 5270.000   5350.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.2      | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.2      | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.24  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.26       | 3.2      | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -11.02   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -11.02   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 13:52:41                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   33                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5270                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5310                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5270 MHz

RESULT: Reference Power cond.

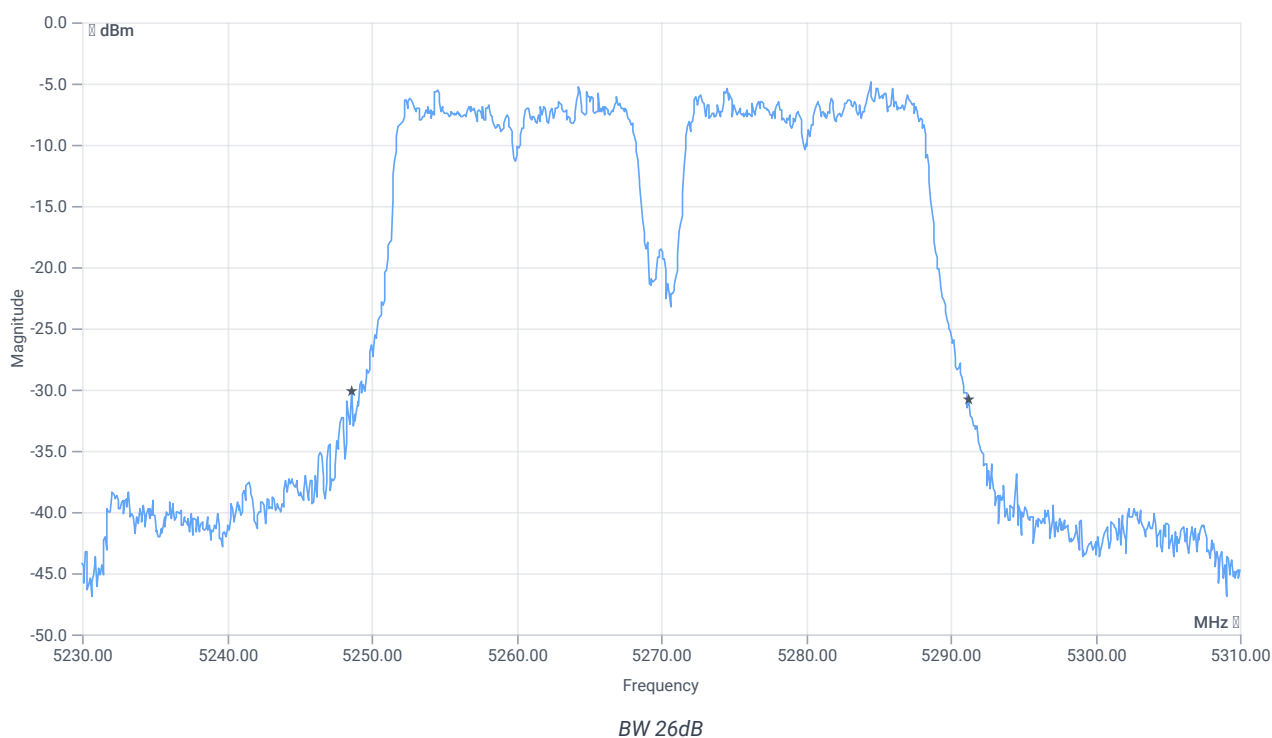
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.75    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5275.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



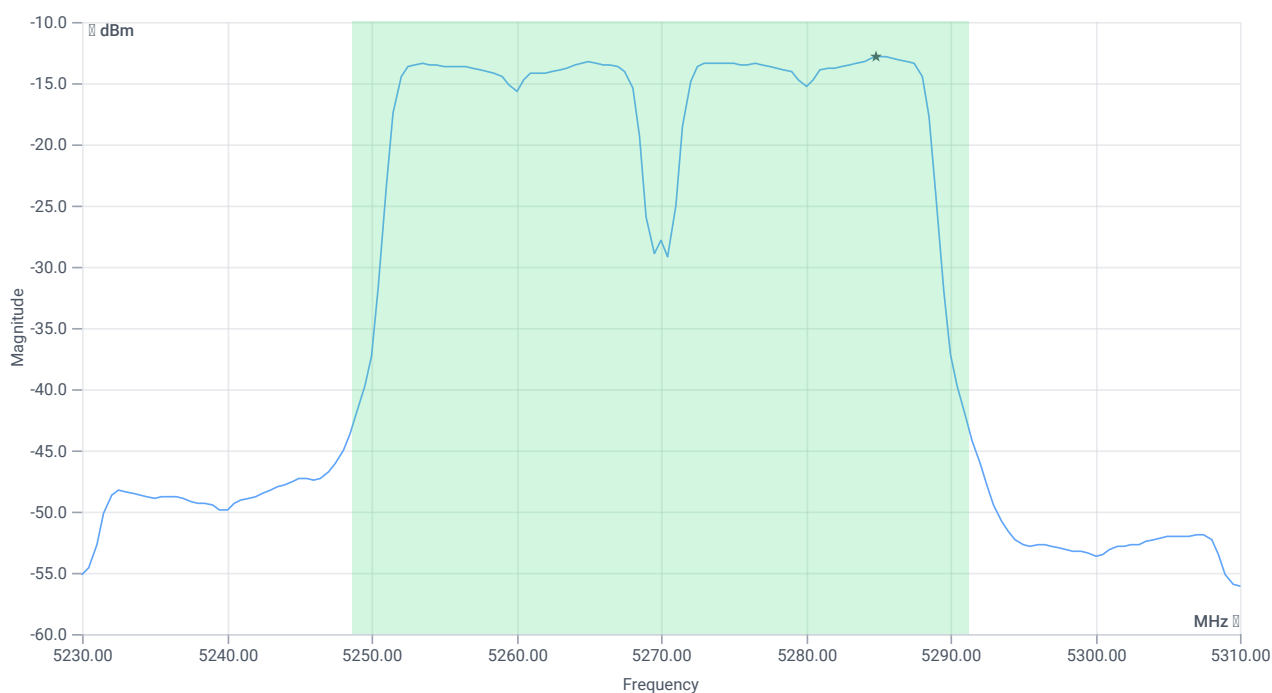
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.64     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5248.6400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5291.2800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.25   15.62   10     |
| Start [MHz]   Stop [MHz]                             | 5230.000   5310.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.24     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.24     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.64  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.3        | 1.24     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.85   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.85   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 13:49:01                                              |
| Ambit temp [°C]   humidity [rel%] | 22.8   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5270                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5310                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5270 MHz

RESULT: Reference Power cond.

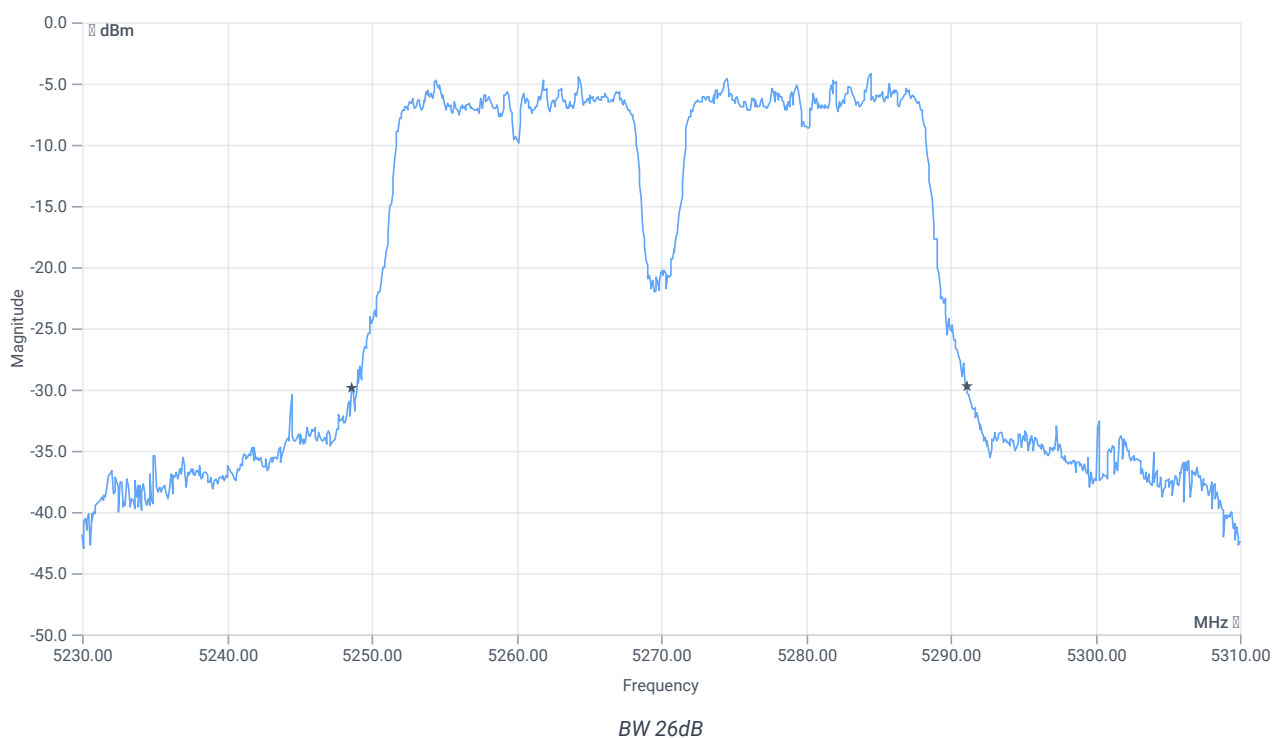
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.59    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5284.990 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



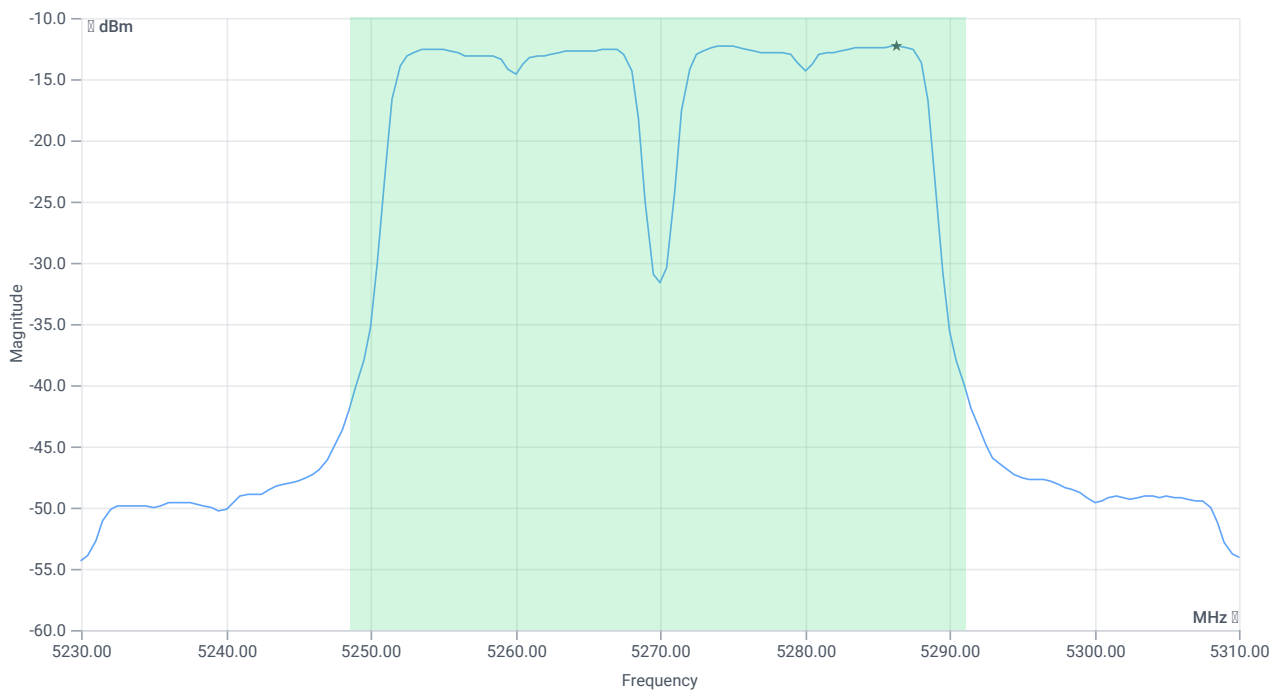
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.48     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5248.6400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5291.1200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.41   15.62   10    |
| Start [MHz]   Stop [MHz]                             | 5230.000   5310.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.11     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.11     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.48  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.28       | 2.11     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.27   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.27   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 13:26:03                                              |
| Ambit temp [°C]   humidity [rel%] | 22.7   34                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5270                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5310                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5270 MHz

RESULT: Reference Power cond.

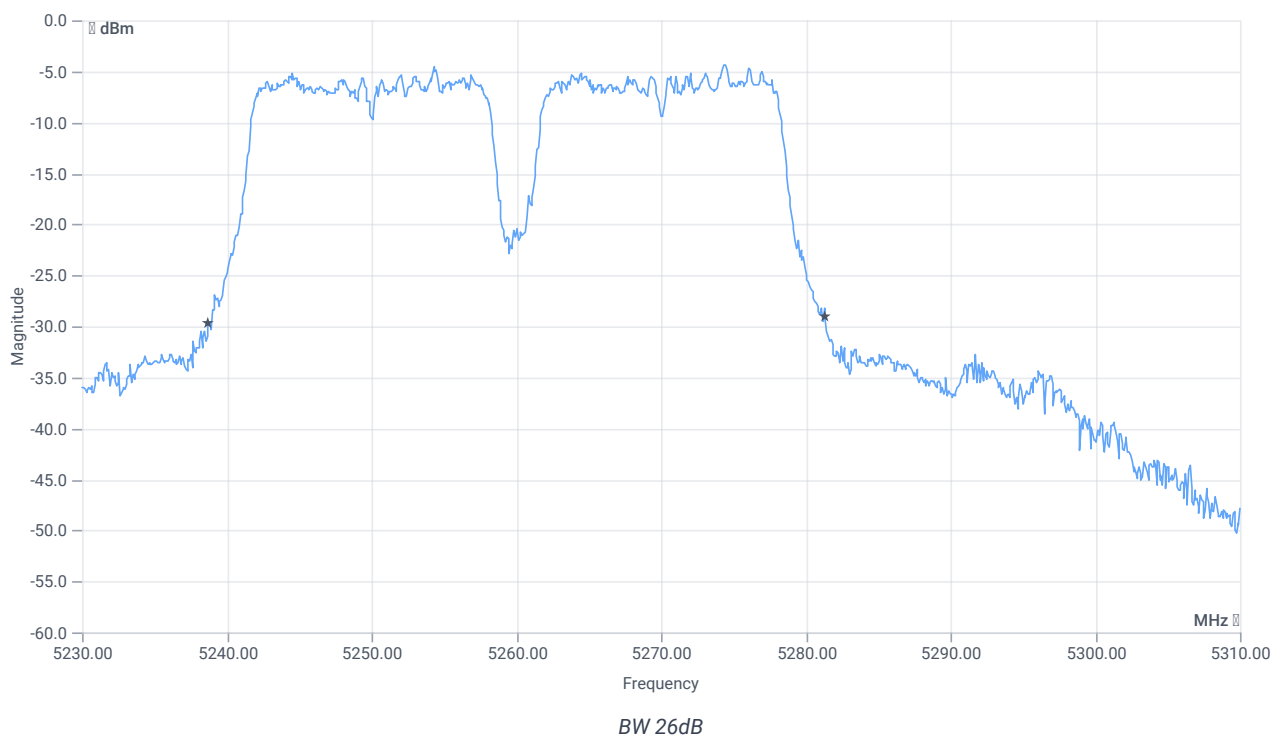
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.97    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5273.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



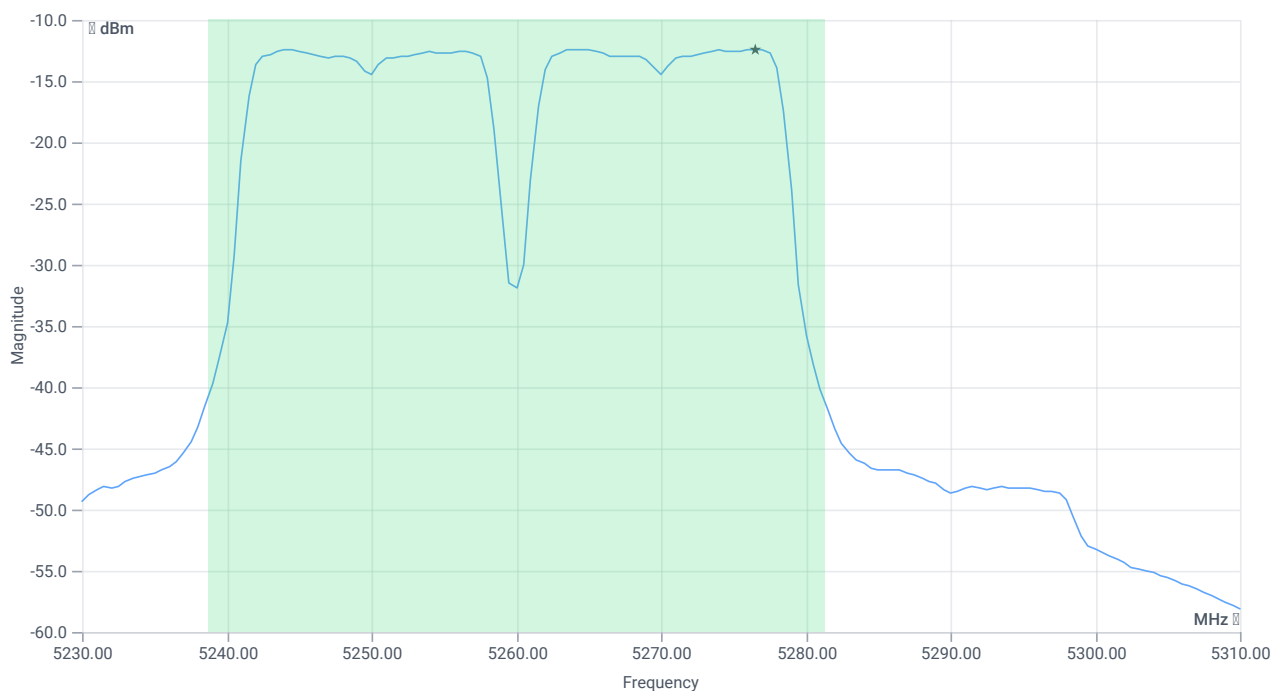
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 42.64     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5238.7200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5281.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.03   15.62   10    |
| Start [MHz]   Stop [MHz]                             | 5230.000   5310.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.03     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.03     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 42.64  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 27.3        | 1.03     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.37   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.37   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:22:59                                              |
| Ambit temp [°C]   humidity [rel%] | 21.9   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5700 MHz

RESULT: Reference Power cond.

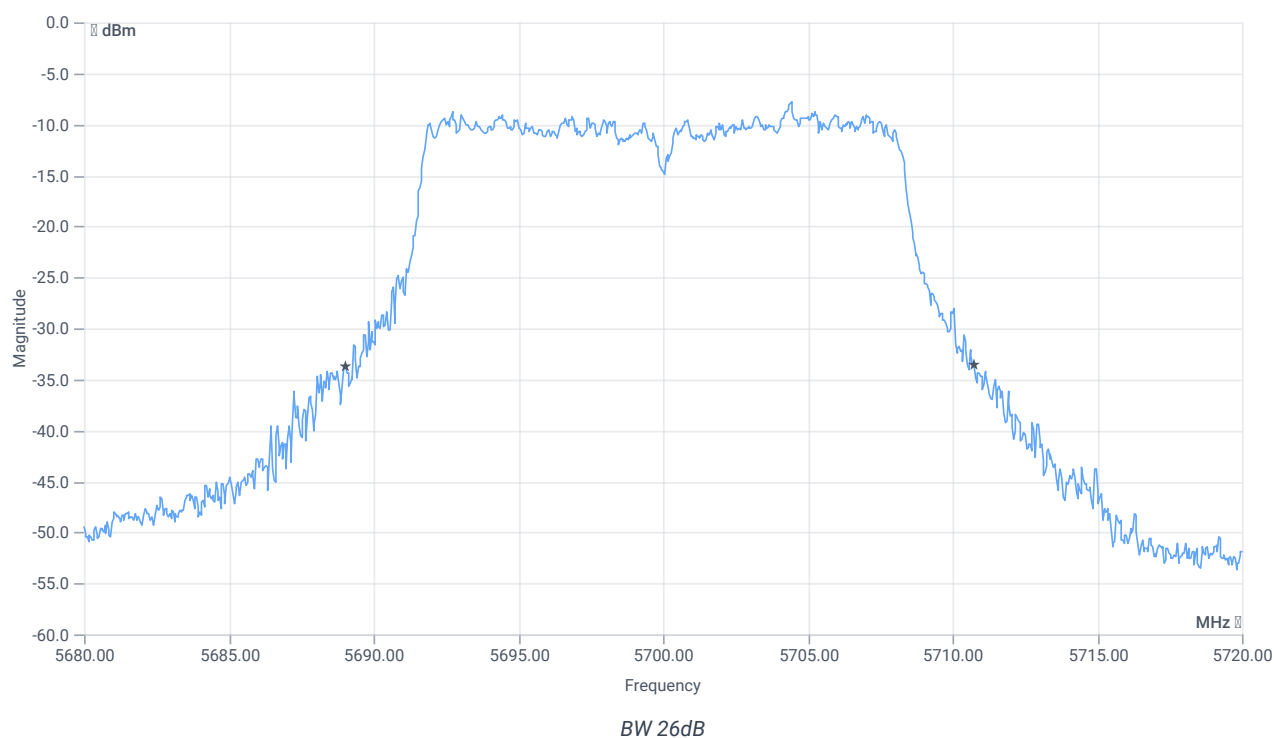
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.84    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5704.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



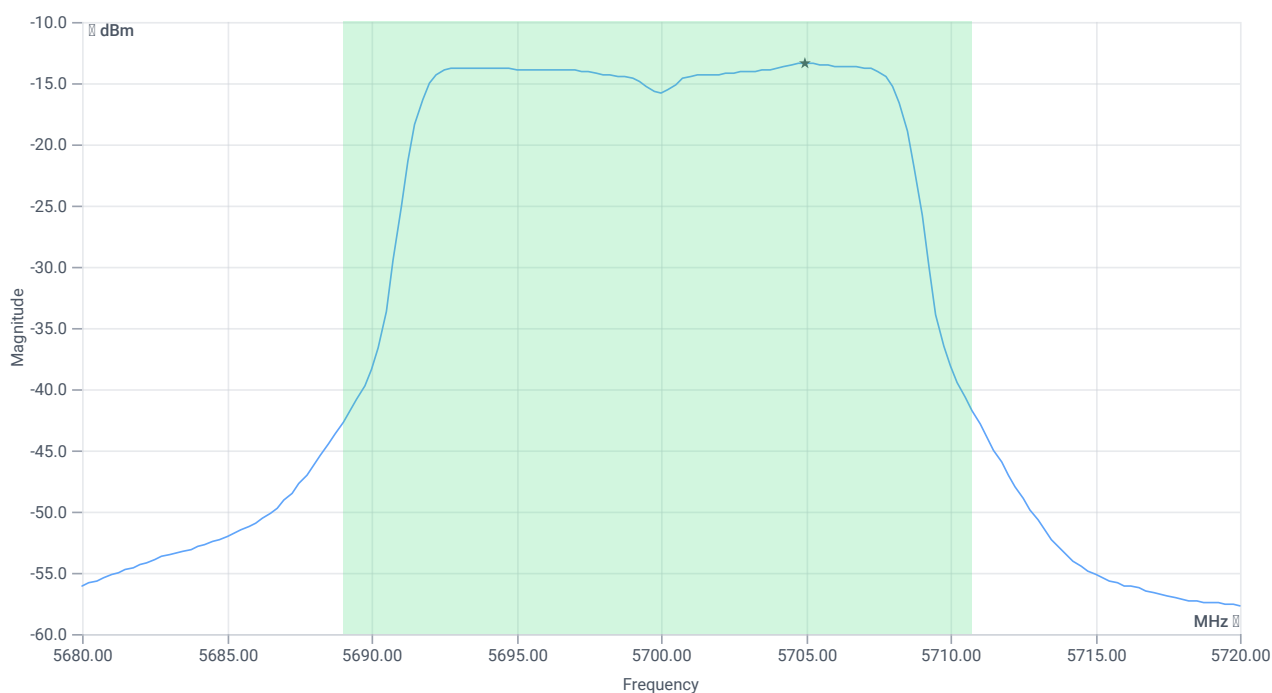
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5689.0400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5710.7600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.16   15.9   10      |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -2.13    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -2.13    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.37       | -2.13    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -13.37   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -13.37   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:19:32                                              |
| Ambit temp [°C]   humidity [rel%] | 21.9   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5700 MHz

RESULT: Reference Power cond.

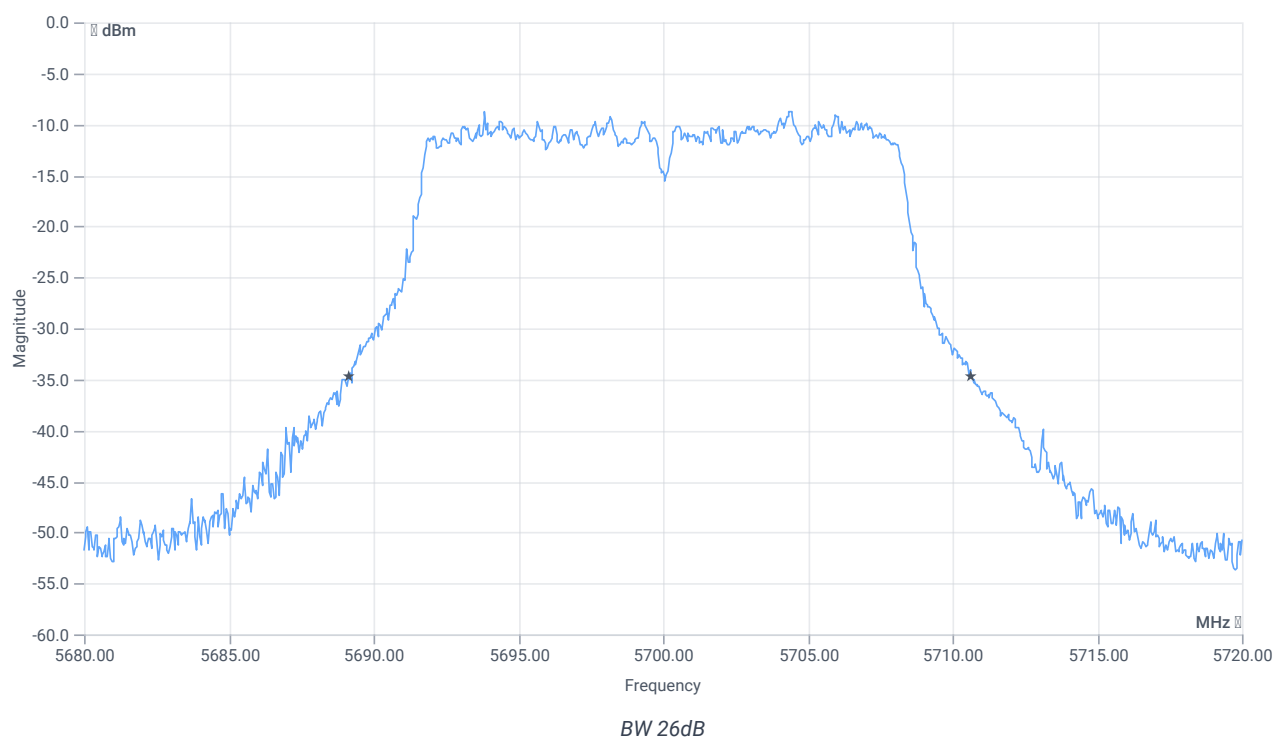
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.35    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5703.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



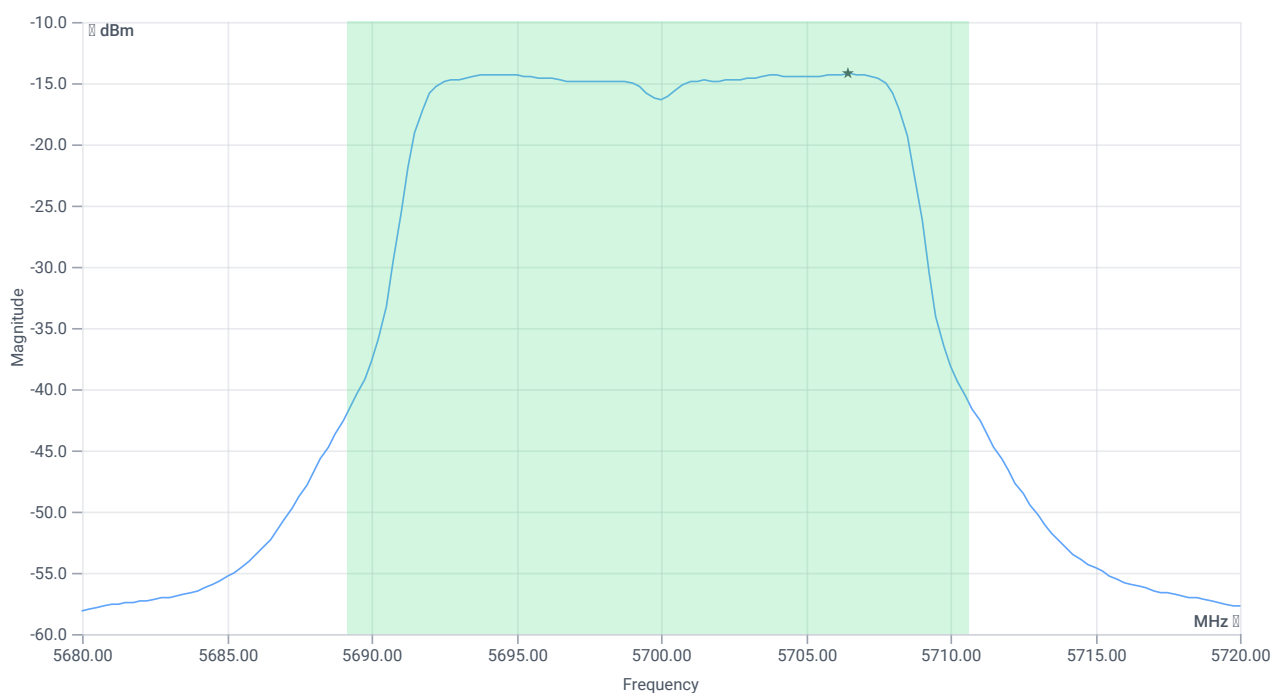
RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.52     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5689.1200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5710.6400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.65   15.9   10      |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -2.77    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -2.77    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.52  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.33       | -2.77    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -14.25   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -14.25   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:14:58                                              |
| Ambit temp [°C]   humidity [rel%] | 21.9   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

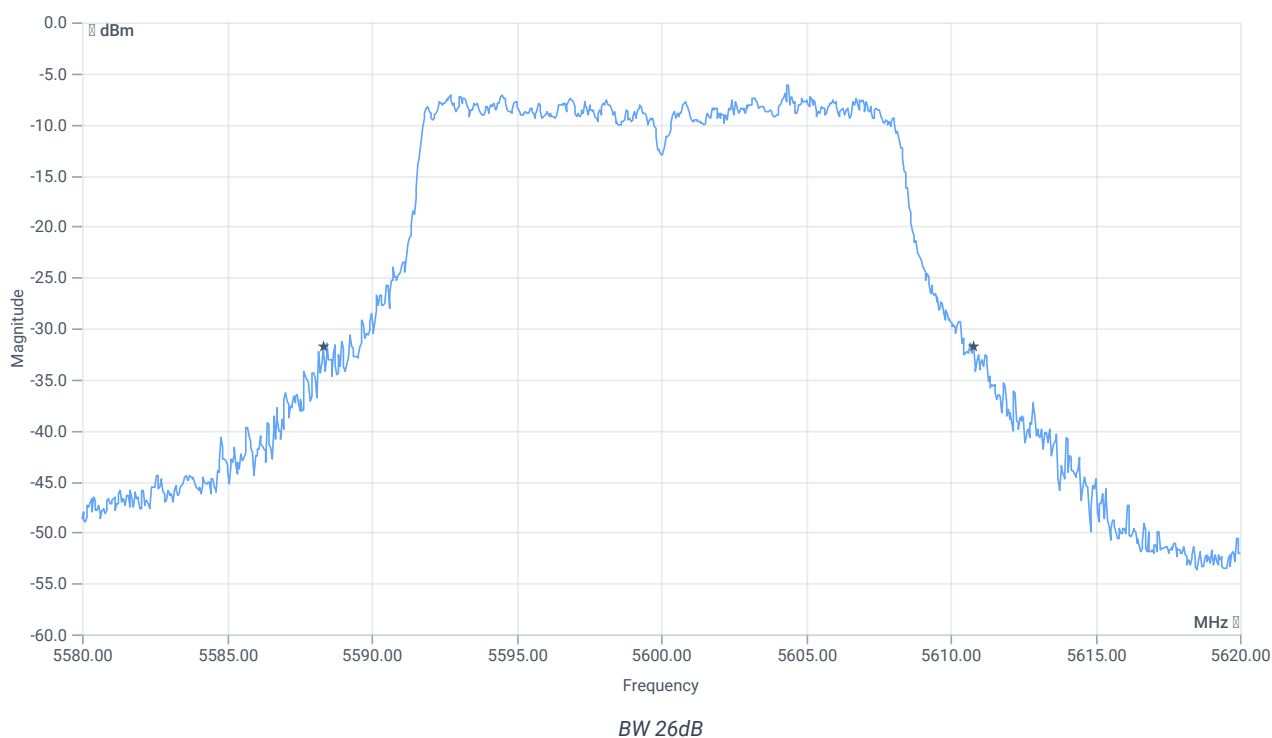
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.73    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5605.190 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



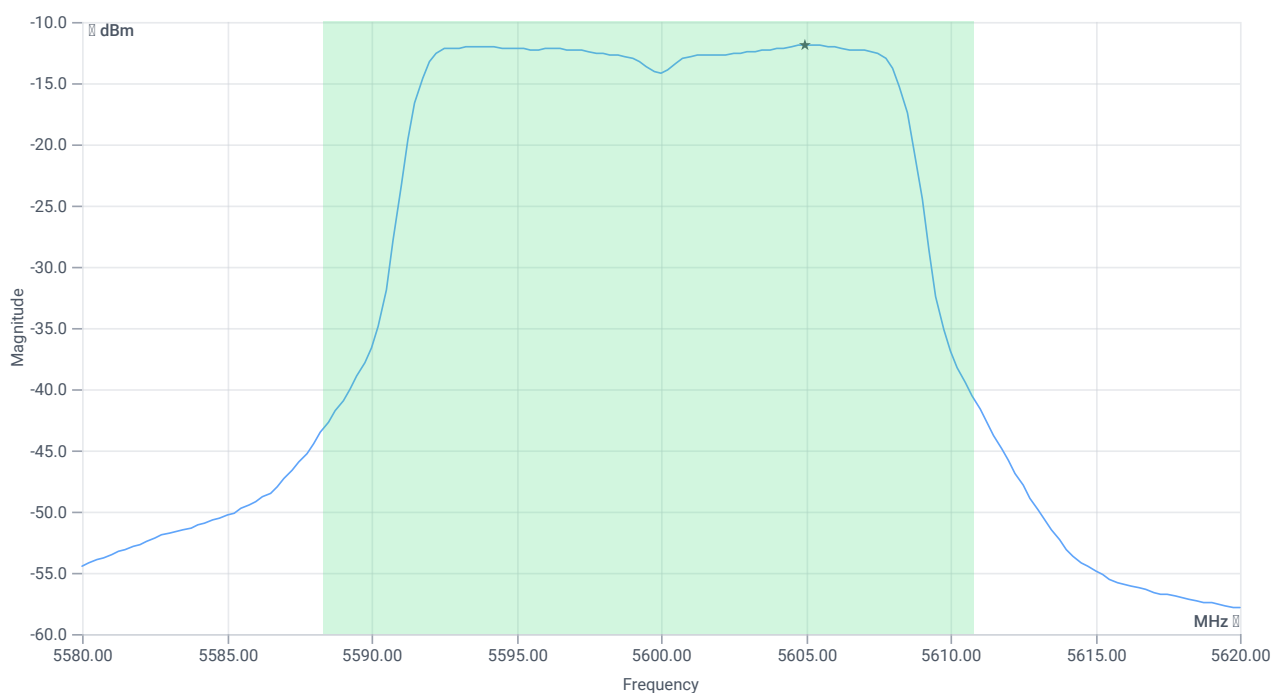
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.48     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5588.3200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5610.8000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.27   16.04   10    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.51    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -0.51    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.48  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.52       | -0.51    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -11.85   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -11.85   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:11:28                                              |
| Ambit temp [°C]   humidity [rel%] | 21.8   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

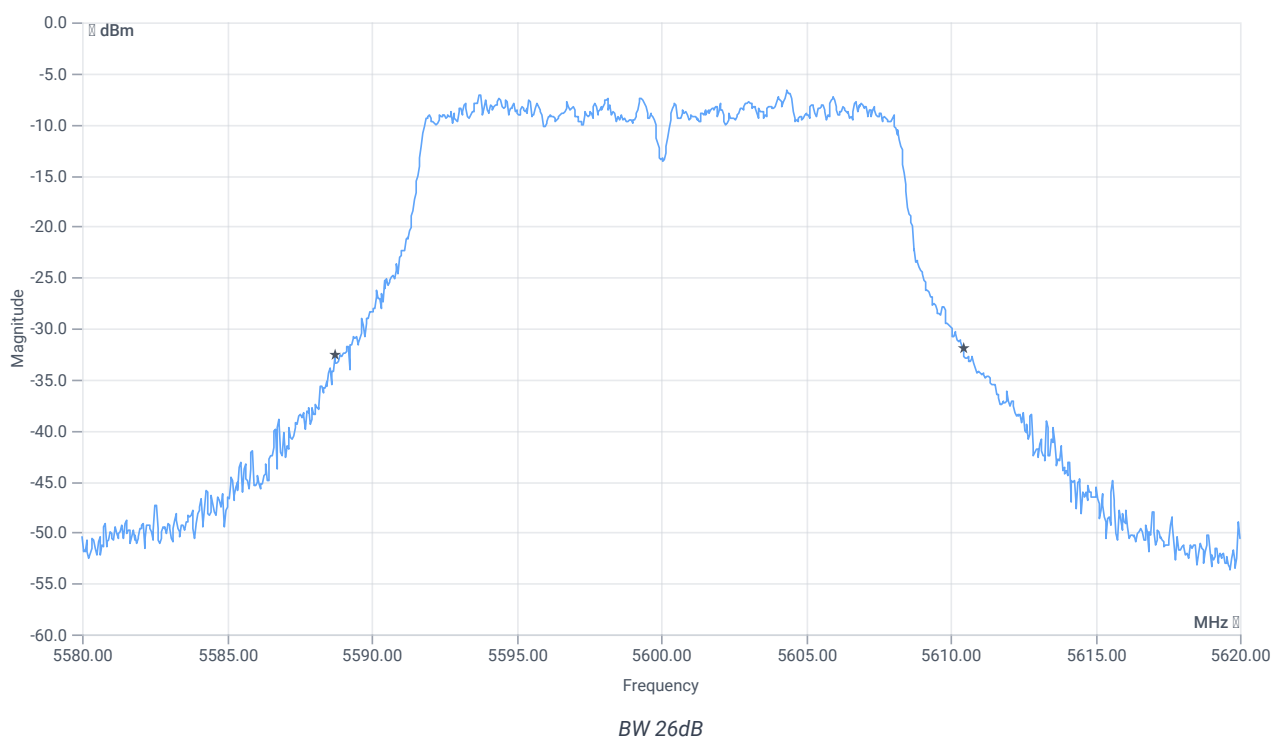
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.11    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5605.190 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



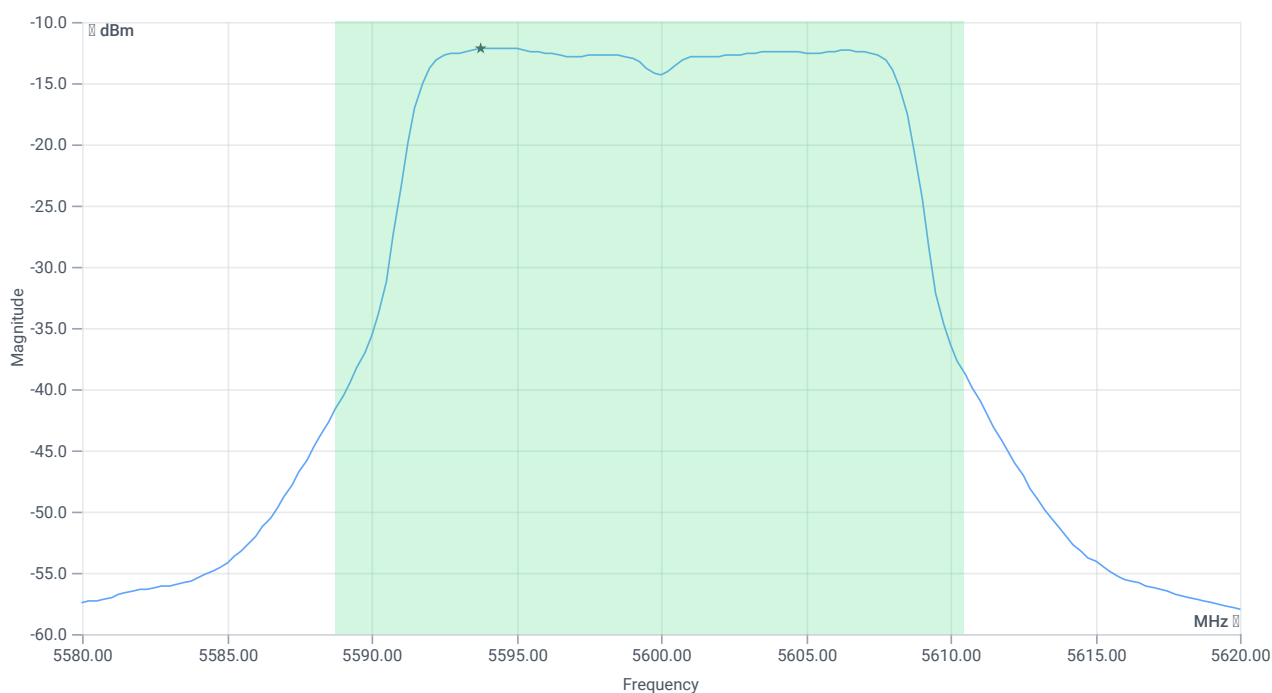
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5588.7200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5610.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.89   16.04   10    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -0.74    | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -0.74    | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.37       | -0.74    | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.19   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.19   | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:07:29                                              |
| Ambit temp [°C]   humidity [rel%] | 21.7   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5500 MHz

RESULT: Reference Power cond.

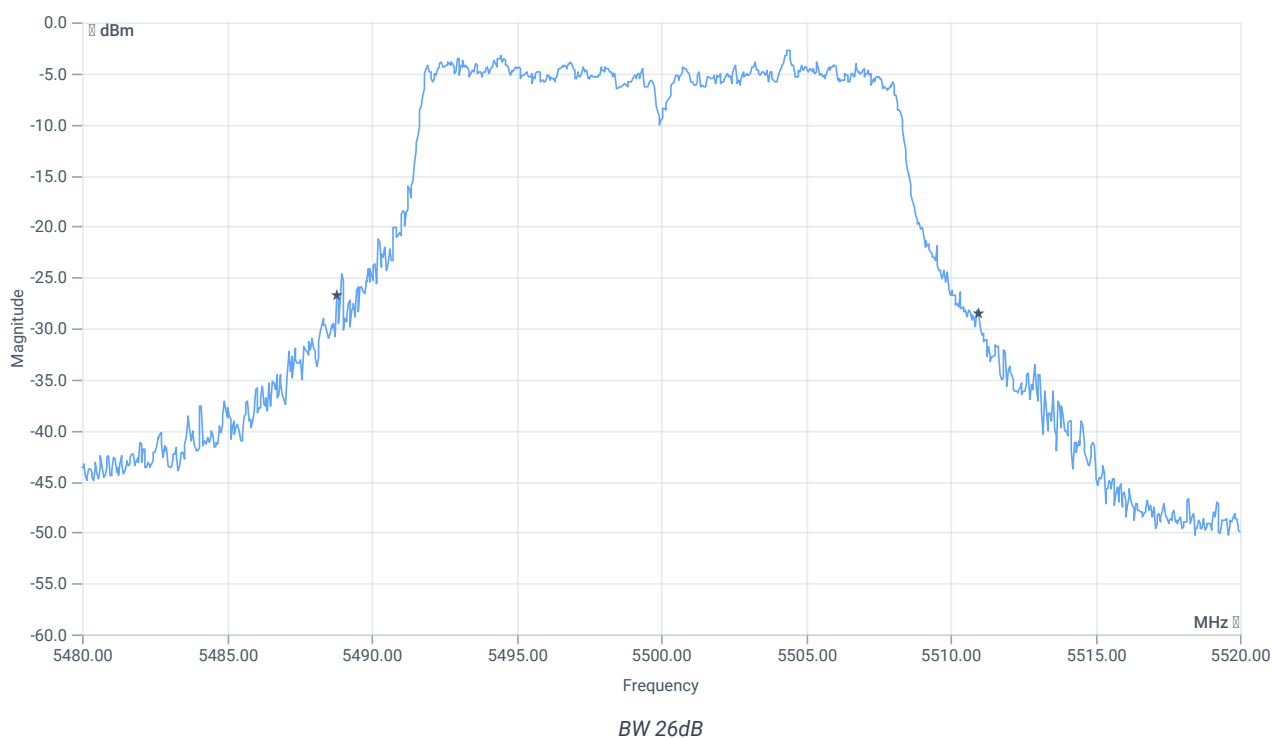
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.41     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5495.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



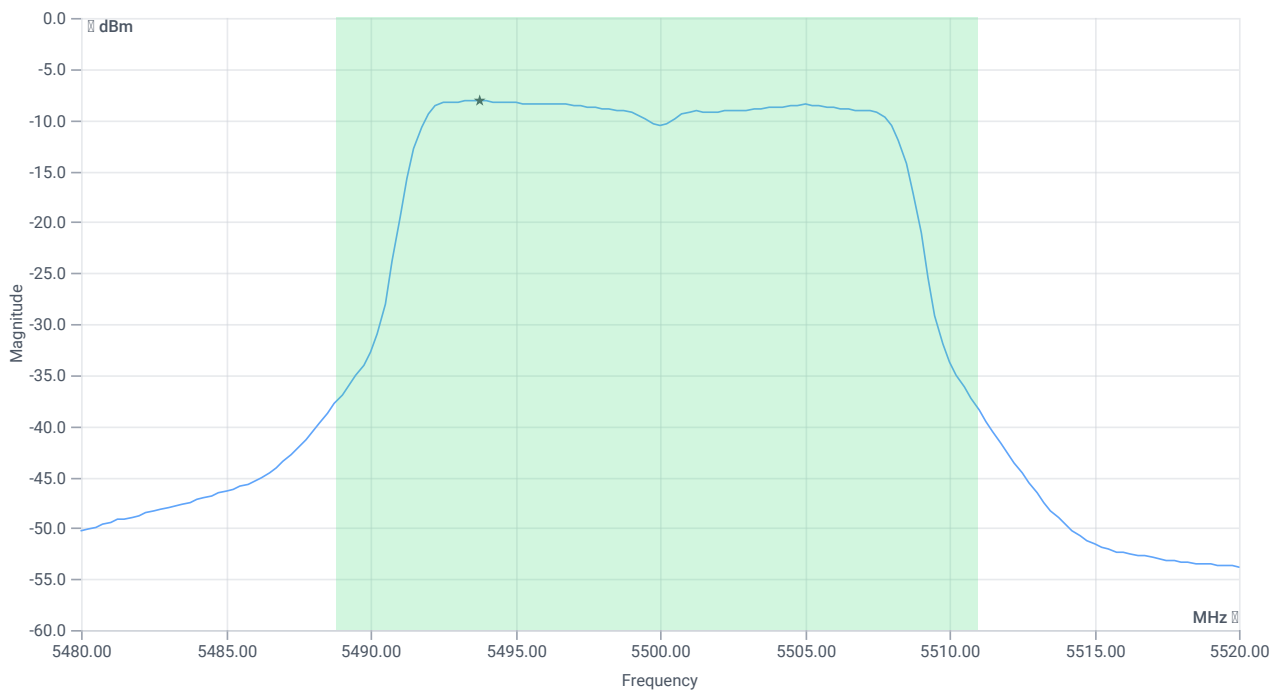
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5488.8000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5510.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.41   16   15       |
| Start [MHz]   Stop [MHz]                             | 5480.000   5520.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.1      | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.1      | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.46       | 3.1      | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.15    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -8.15    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 11:04:00                                              |
| Ambit temp [°C]   humidity [rel%] | 21.7   36                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5500 MHz

RESULT: Reference Power cond.

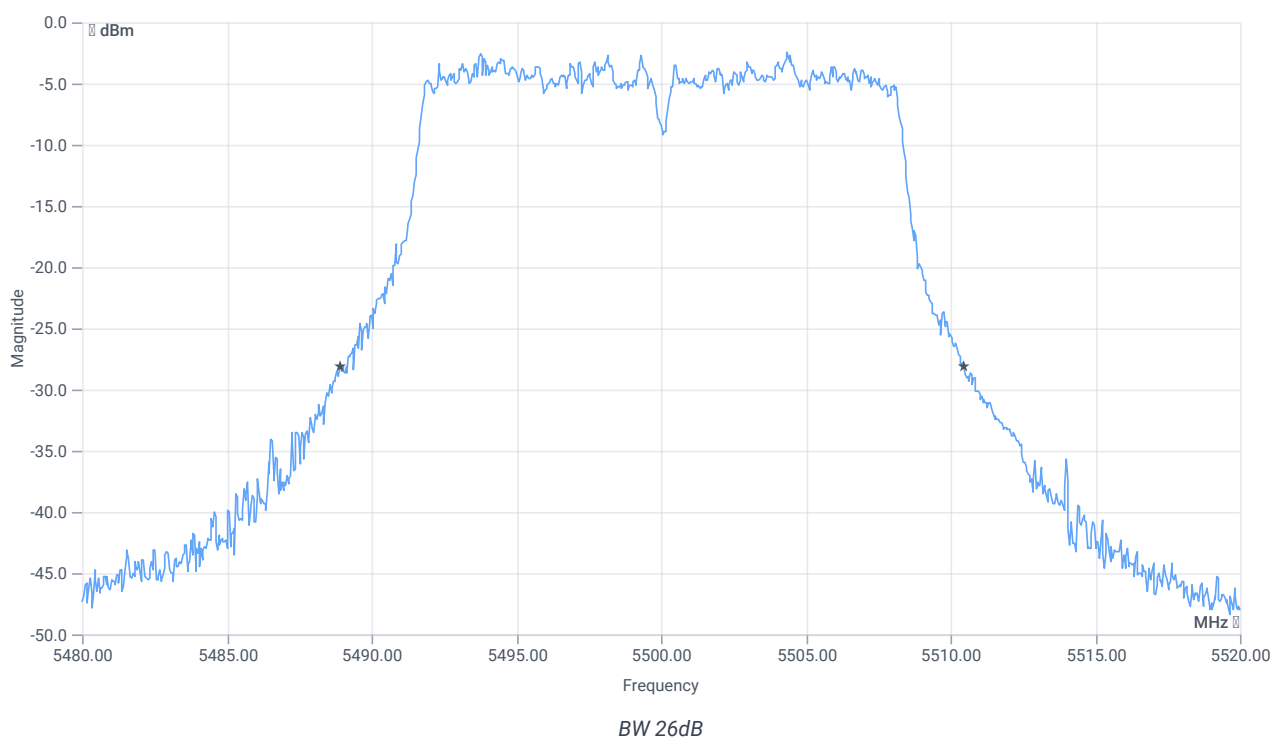
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.79     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5507.390 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



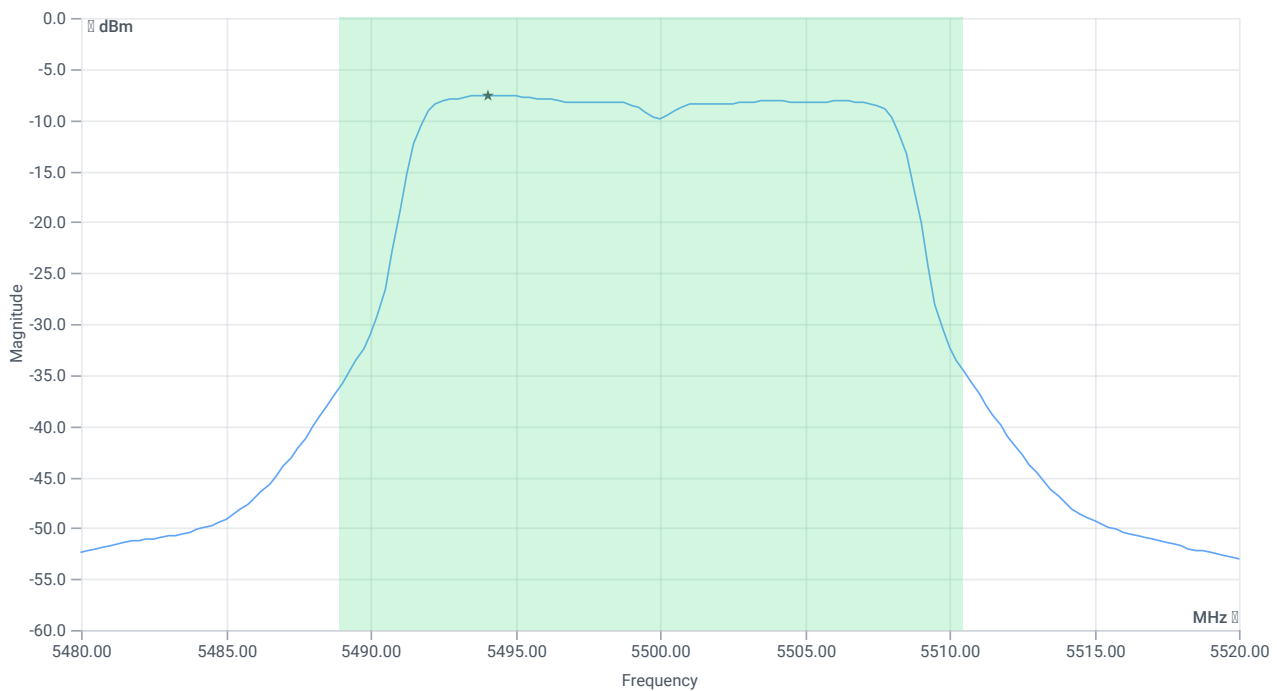
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.56     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5488.9200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5510.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.79   16   15       |
| Start [MHz]   Stop [MHz]                             | 5480.000   5520.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.68     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.68     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.56  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.34       | 3.68     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.58    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.58    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:59:41                                              |
| Ambit temp [°C]   humidity [rel%] | 21.6   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5320 MHz

RESULT: Reference Power cond.

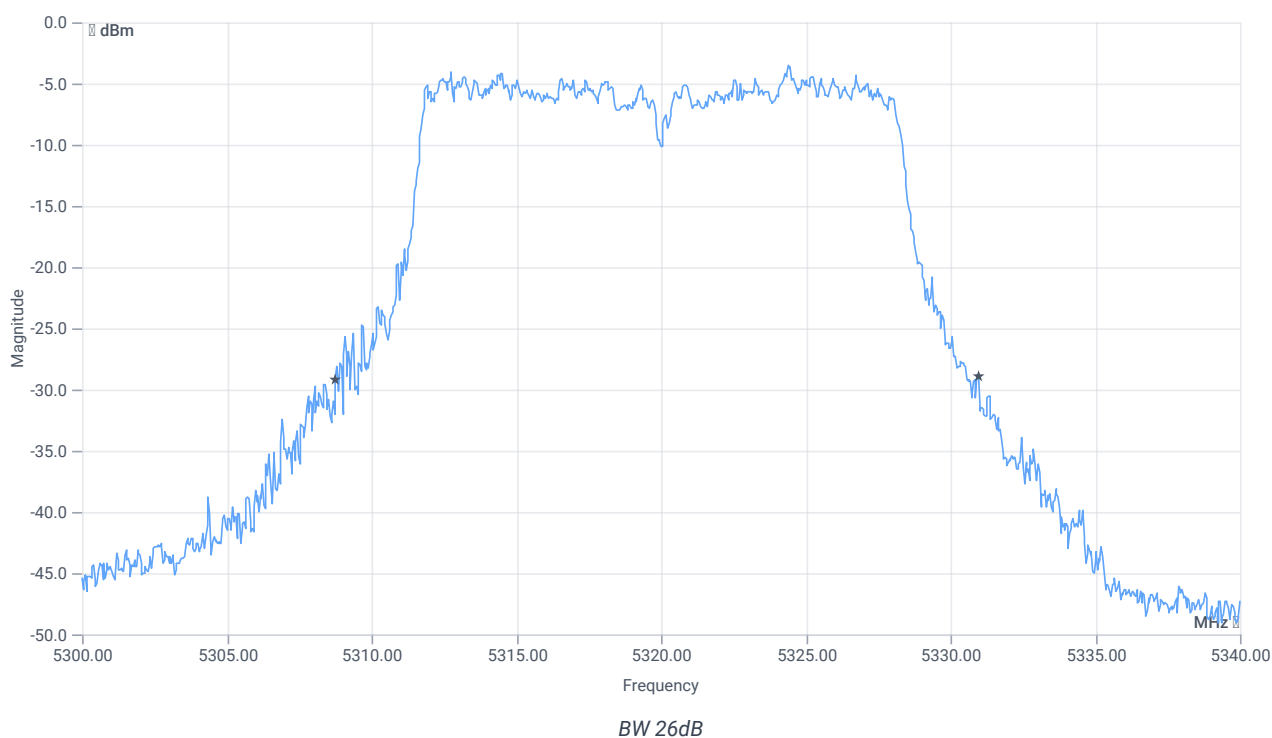
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.88     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5325.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



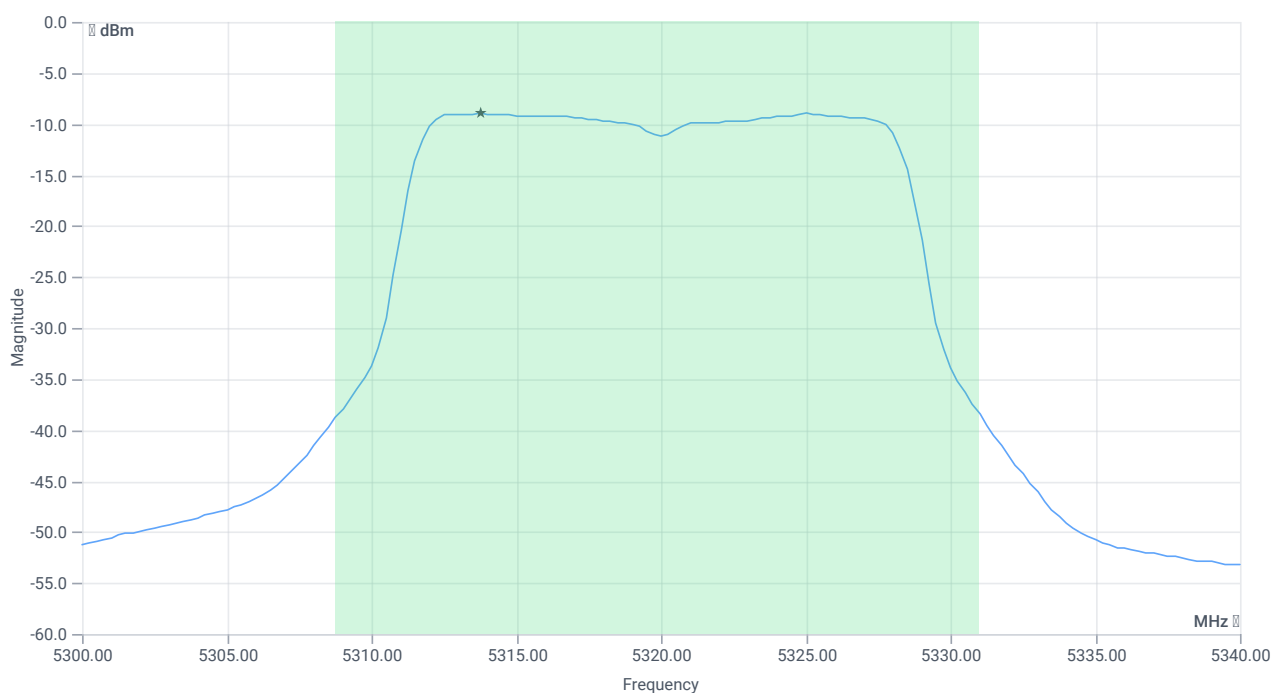
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.2      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5308.7600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5330.9600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.88   15.56   15    |
| Start [MHz]   Stop [MHz]                             | 5300.000   5340.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.42     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.42     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.2   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.46       | 2.42     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.97    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -8.97    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:56:09                                              |
| Ambit temp [°C]   humidity [rel%] | 21.5   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5320 MHz

RESULT: Reference Power cond.

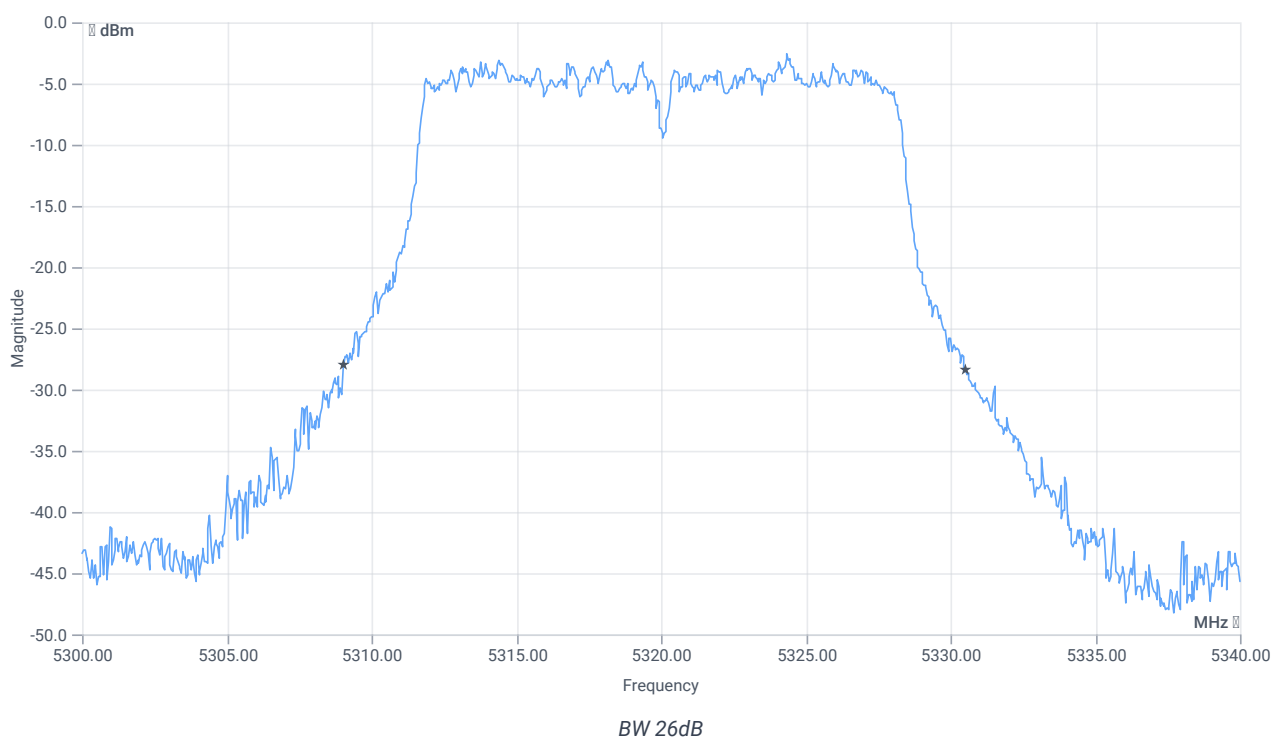
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.83     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5321.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



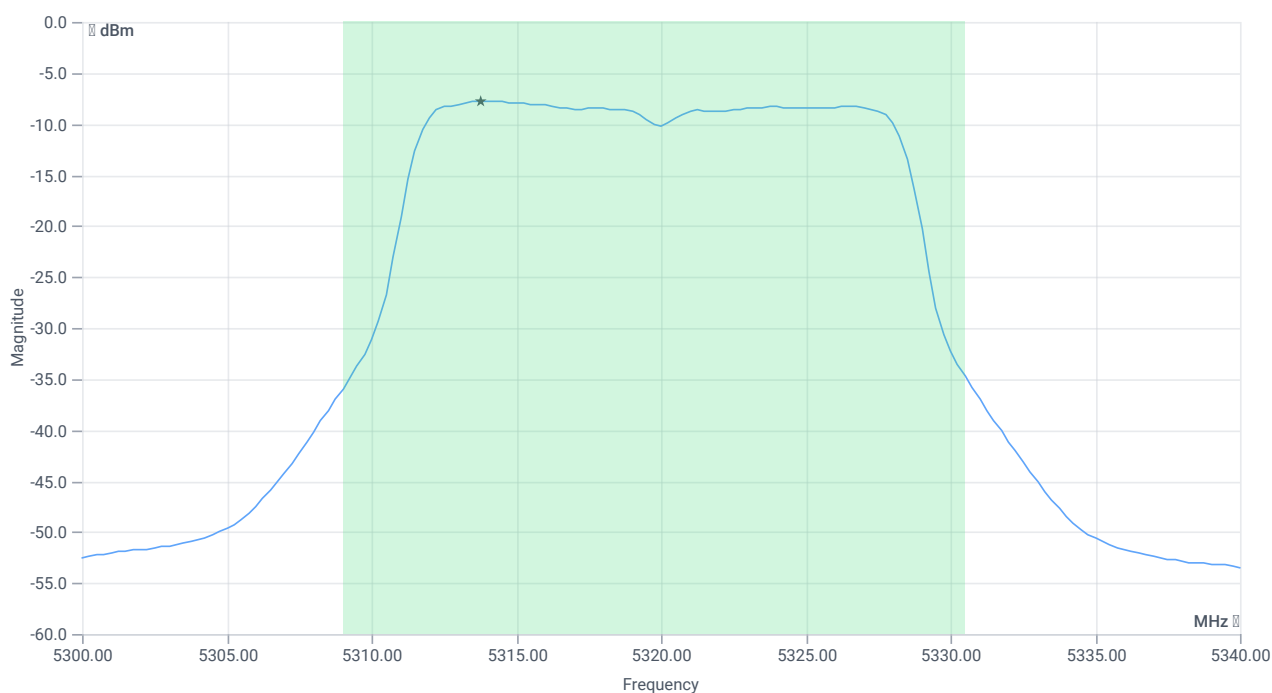
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.52     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5309.0000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5330.5200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.83   15.56   15    |
| Start [MHz]   Stop [MHz]                             | 5300.000   5340.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.46     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.46     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.52  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.33       | 3.46     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.75    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.75    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:52:05                                              |
| Ambit temp [°C]   humidity [rel%] | 21.4   35                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5280                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5280 MHz

RESULT: Reference Power cond.

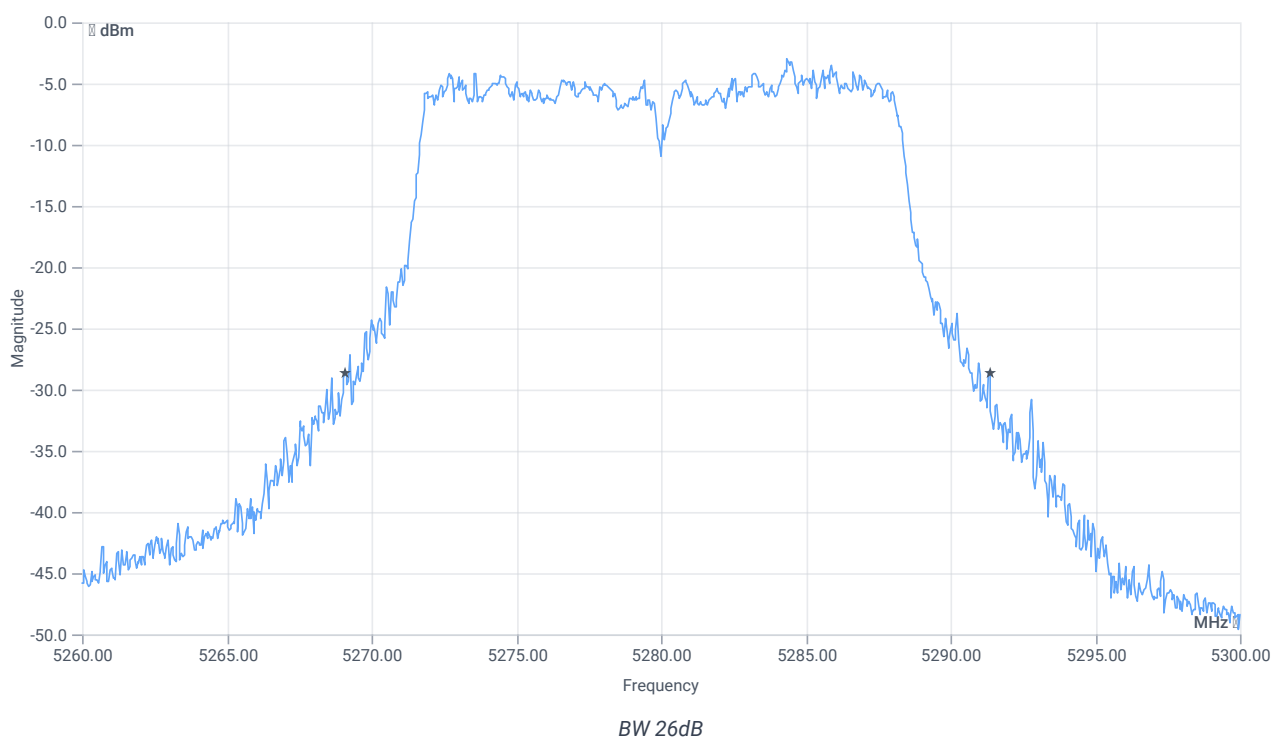
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.72     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5276.800 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



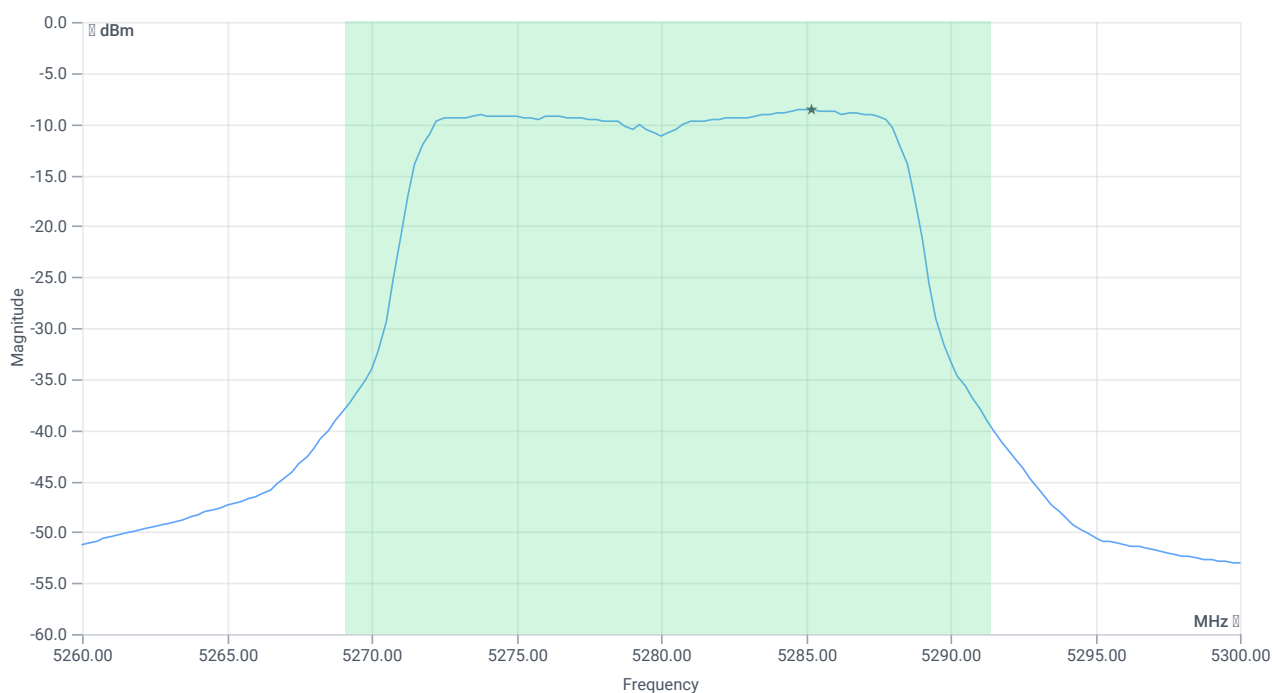
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.28     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5269.0800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5291.3600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.72   15.5   15     |
| Start [MHz]   Stop [MHz]                             | 5260.000   5300.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.52     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.52     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.28  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.48       | 2.52     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.57    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                         | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|-------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction               | --          | --          | 0        | dB       | INFO    |
| Power Spectral Density DC corrected | --          | 11          | -8.57    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:48:28                                              |
| Ambit temp [°C]   humidity [rel%] | 21.3   36                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5280                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5280 MHz

RESULT: Reference Power cond.

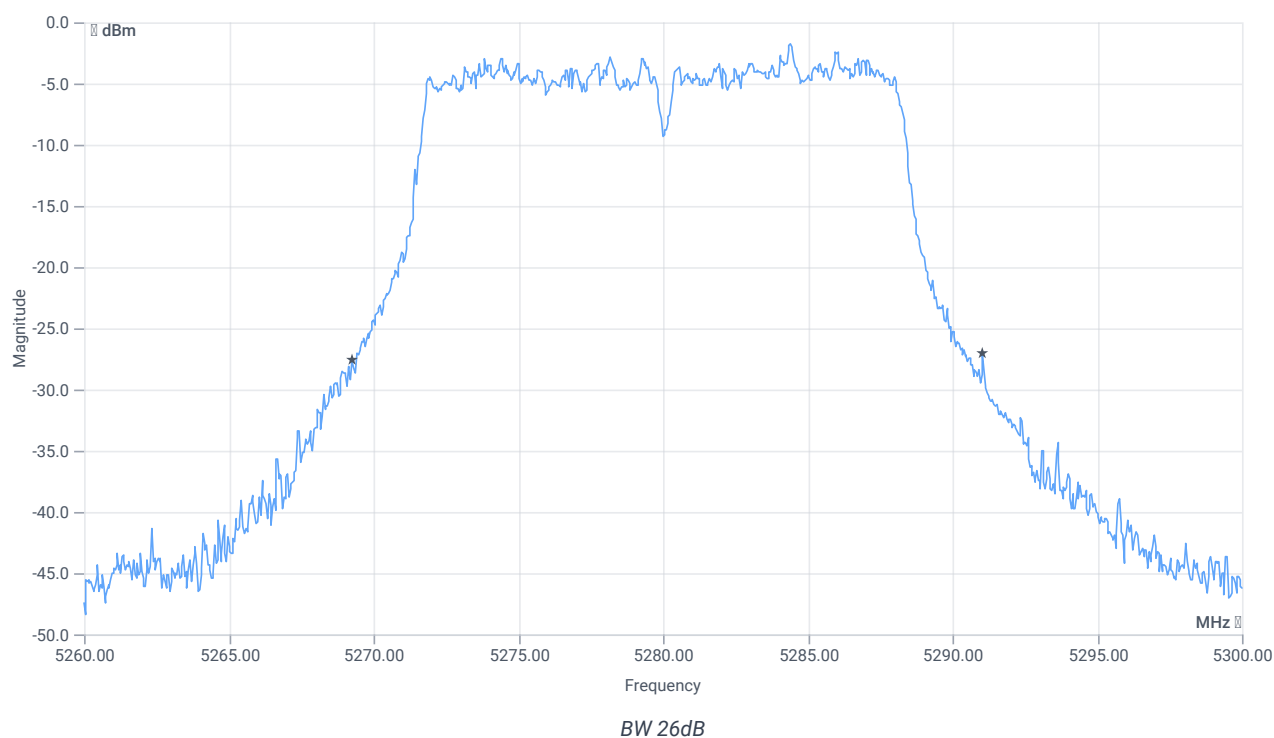
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.47     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5283.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



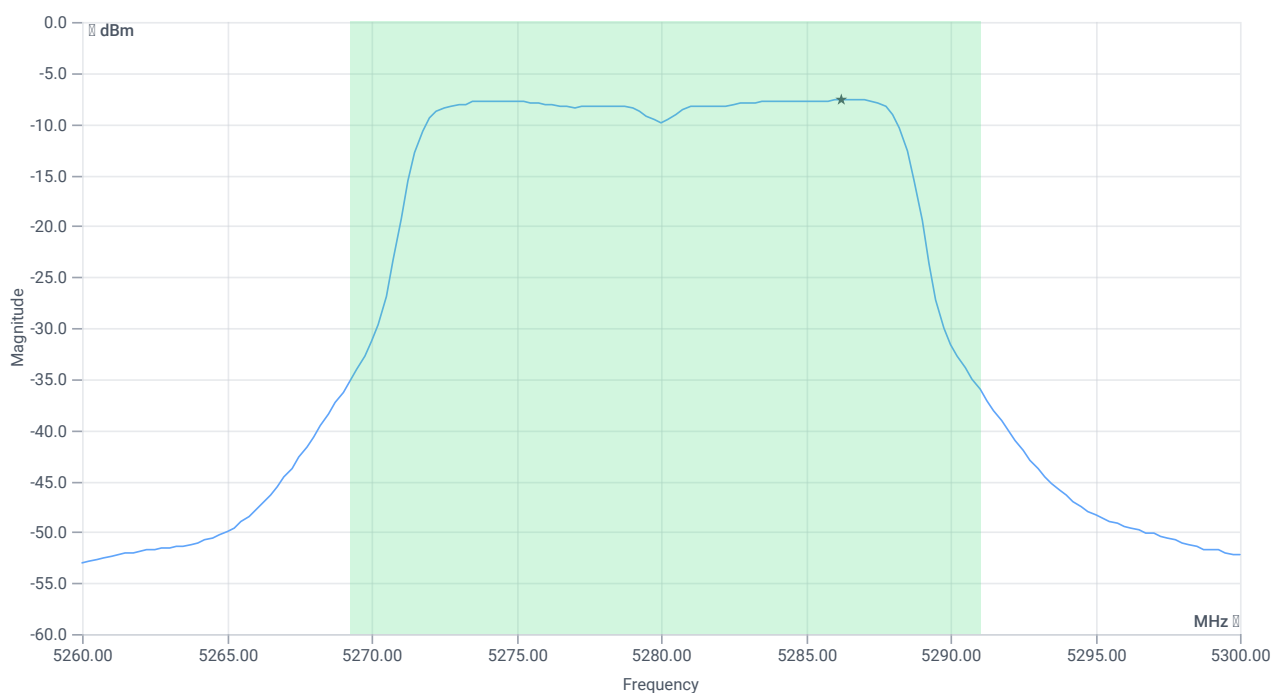
RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.8      | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5269.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5291.0400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.47   15.5   15     |
| Start [MHz]   Stop [MHz]                             | 5260.000   5300.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.81     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.81     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.8   |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.38       | 3.81     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.6     | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.6     | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:44:17                                              |
| Ambit temp [°C]   humidity [rel%] | 21.2   36                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5260 MHz

RESULT: Reference Power cond.

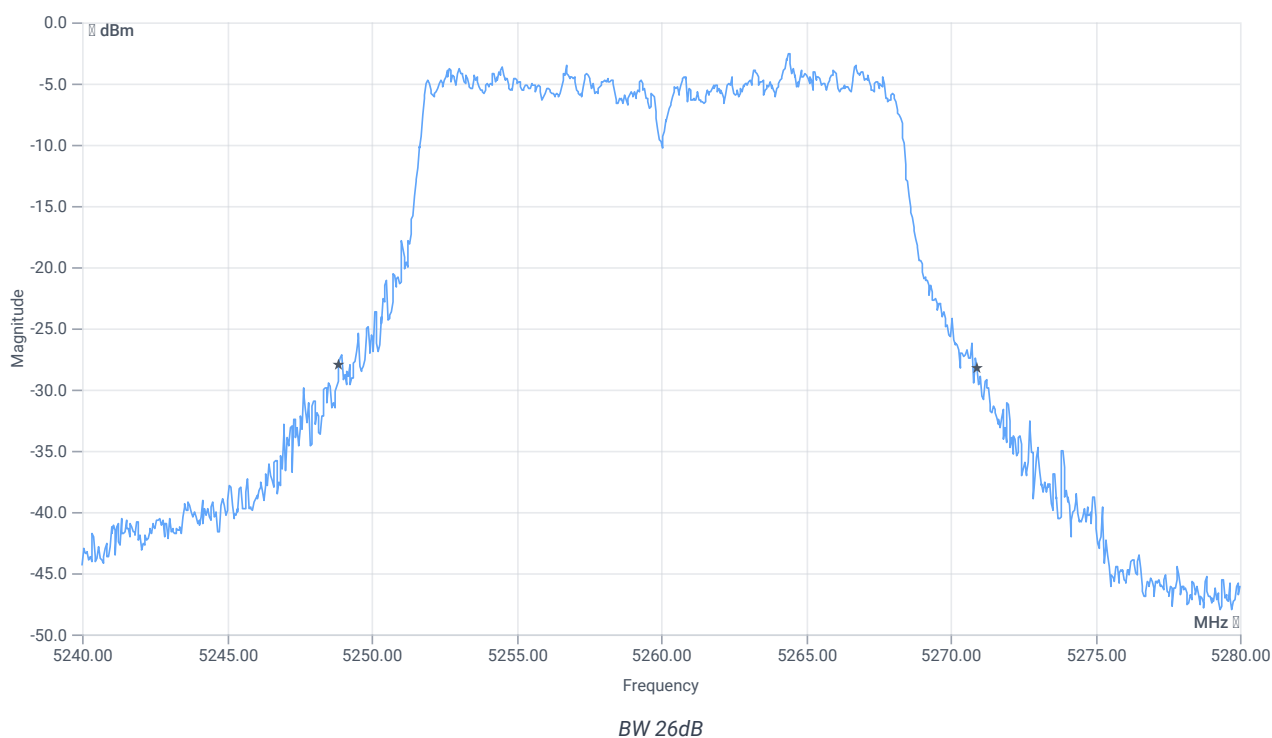
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.96     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5256.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



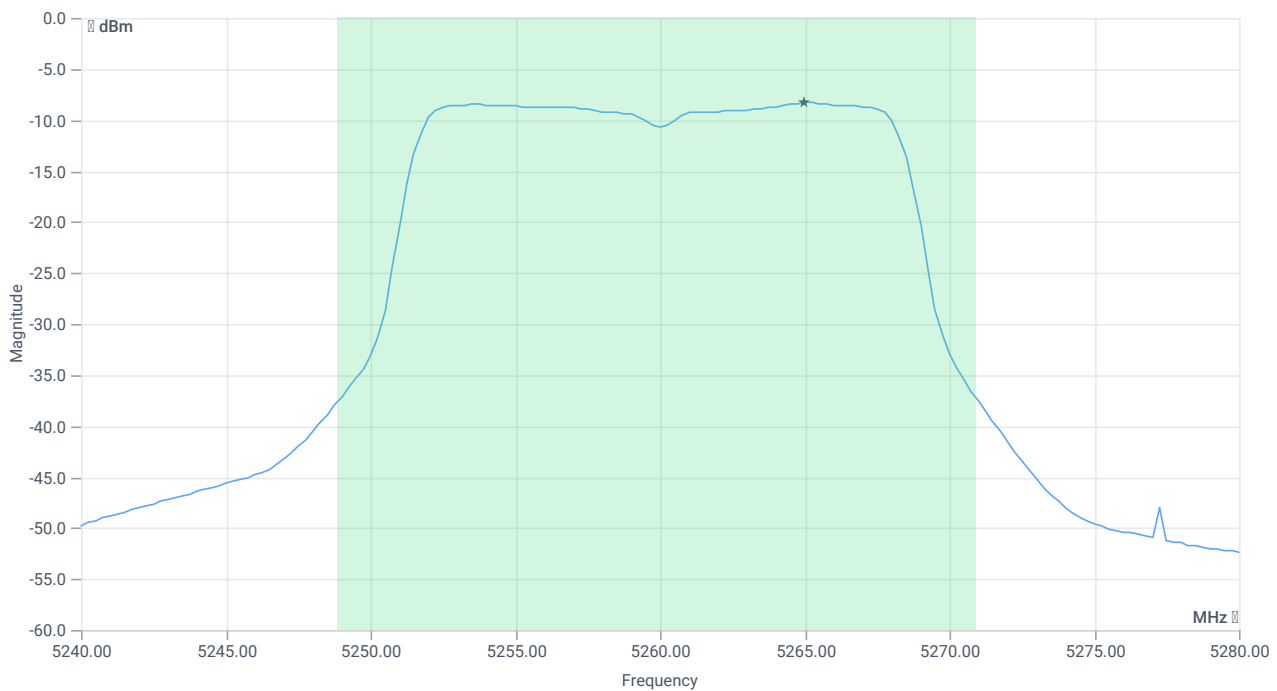
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 22.04     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5248.8800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5270.9200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.96   15.74   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3        | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3        | dBm  | PASS    |
| Limit: 11 dBm + 10 log 22.04  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.43       | 3        | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.33    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -8.33    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

### References

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| TC start                          | 17.10.2023 10:40:37                                              |
| Ambit temp [°C]   humidity [rel%] | 21.2   36                                                        |
| System version                    | 4.6.2.0                                                          |
| Standard   Version                | FCC 15.407   NI                                                  |
| Method                            | KDB789033 D02, F., E.2.e.                                        |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A |
| Information                       |                                                                  |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5260 MHz

RESULT: Reference Power cond.

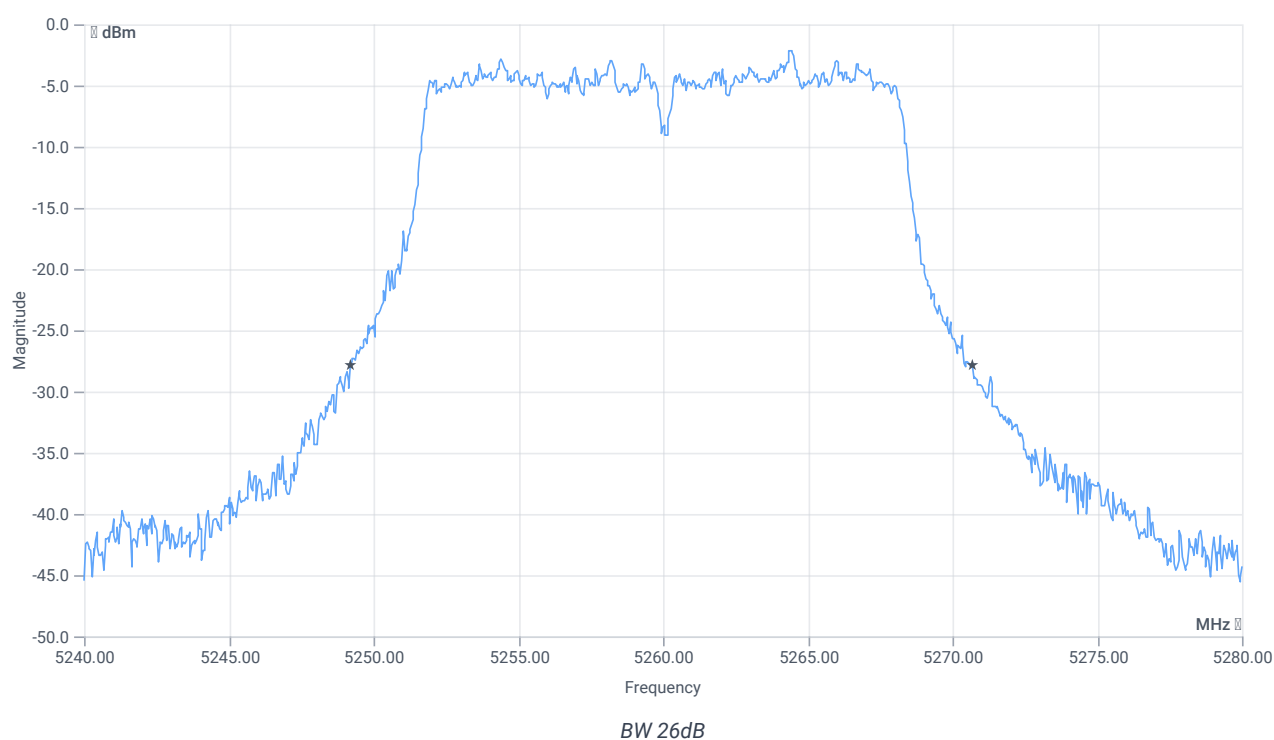
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.88     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5263.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



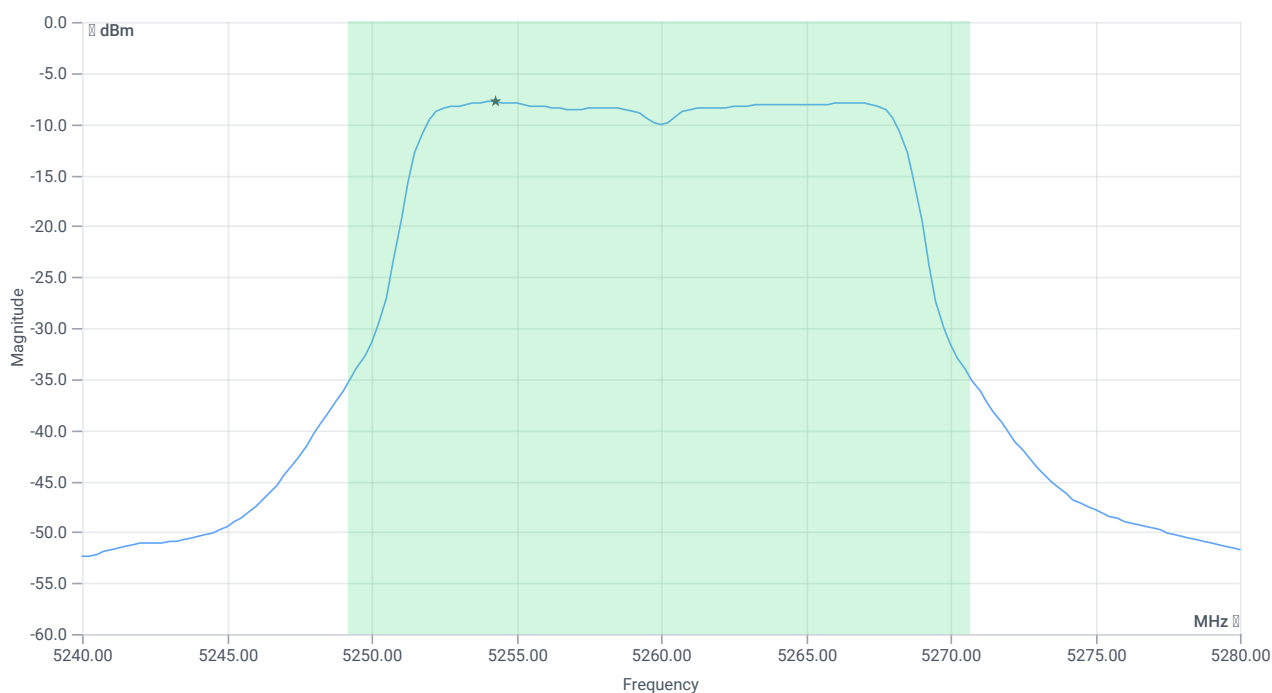
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.48     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5249.2000 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5270.6800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.88   15.74   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 3.59     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 3.59     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.48  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.32       | 3.59     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -7.85    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -7.85    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:35:39                                         |
| Ambit temp [°C]   humidity [rel%] | 25.3   28                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5700 MHz

RESULT: Reference Power cond.

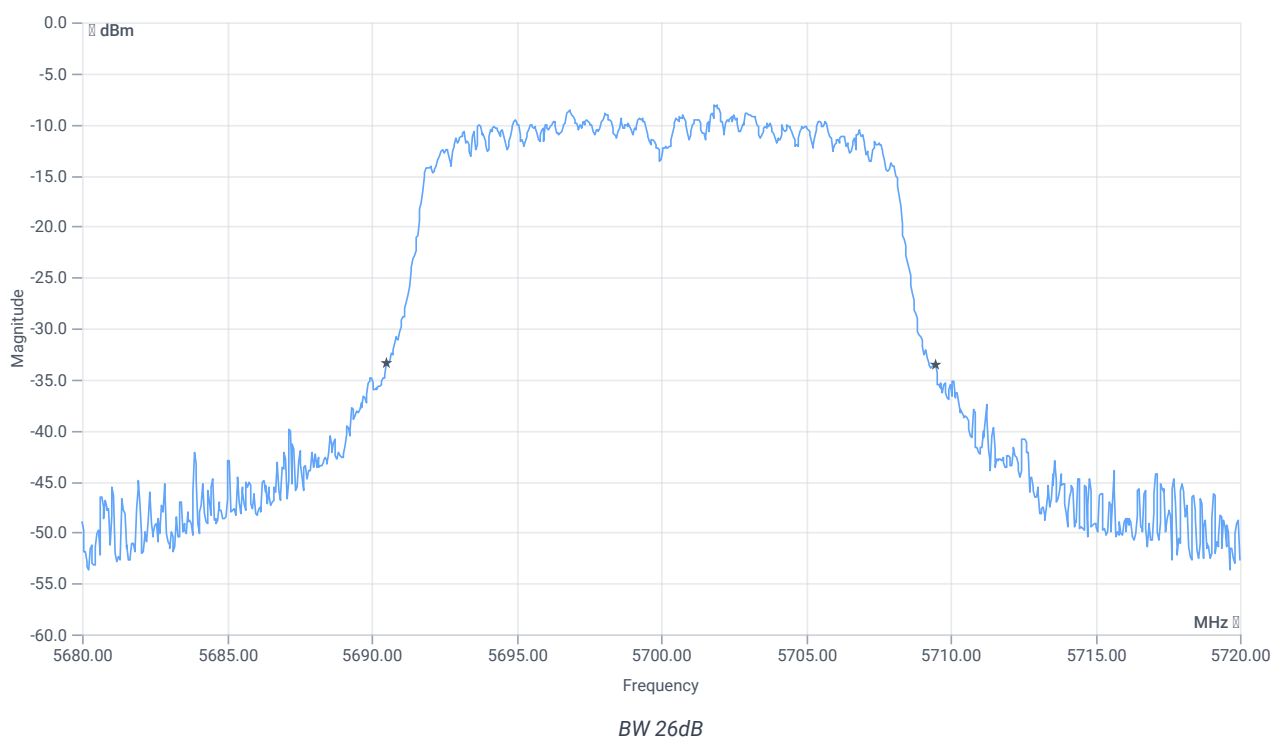
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.43    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5702.800 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



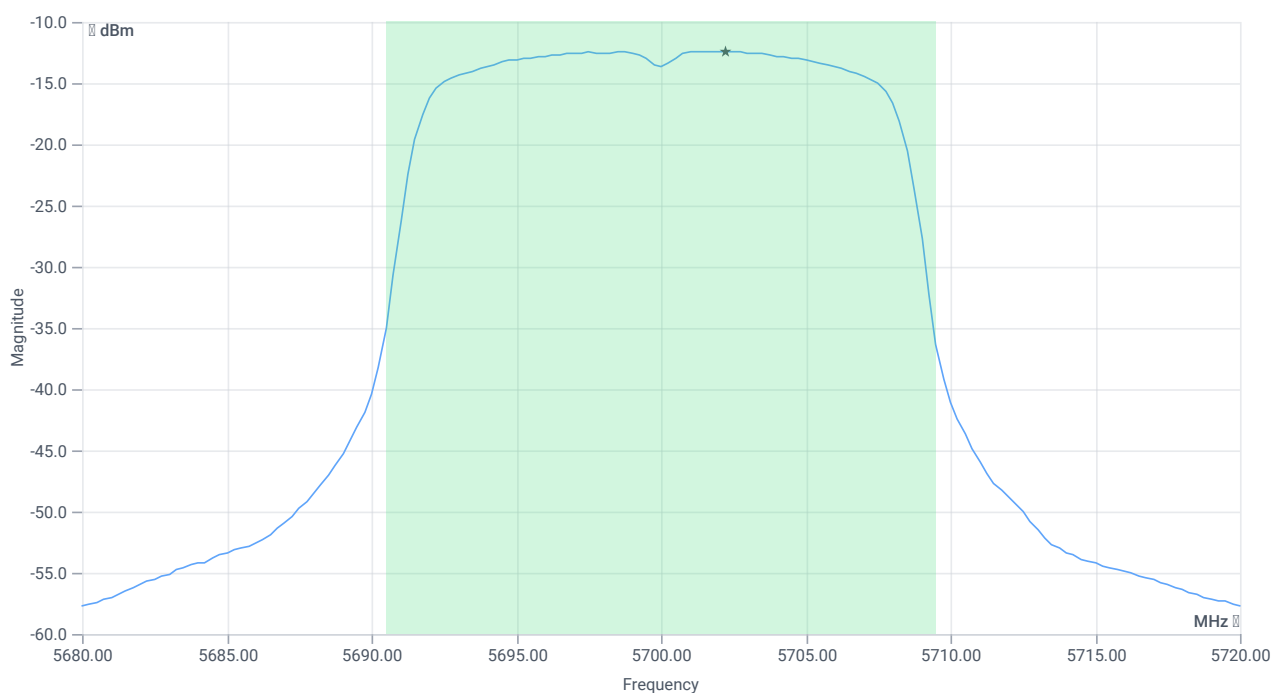
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.96     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5690.5200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5709.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.57   15.9   10      |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | -1.3     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | -1.3     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.96  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.78       | -1.3     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -12.42   | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -12.42   | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:32:15                                         |
| Ambit temp [°C]   humidity [rel%] | 25.3   28                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5700 MHz

RESULT: Reference Power cond.

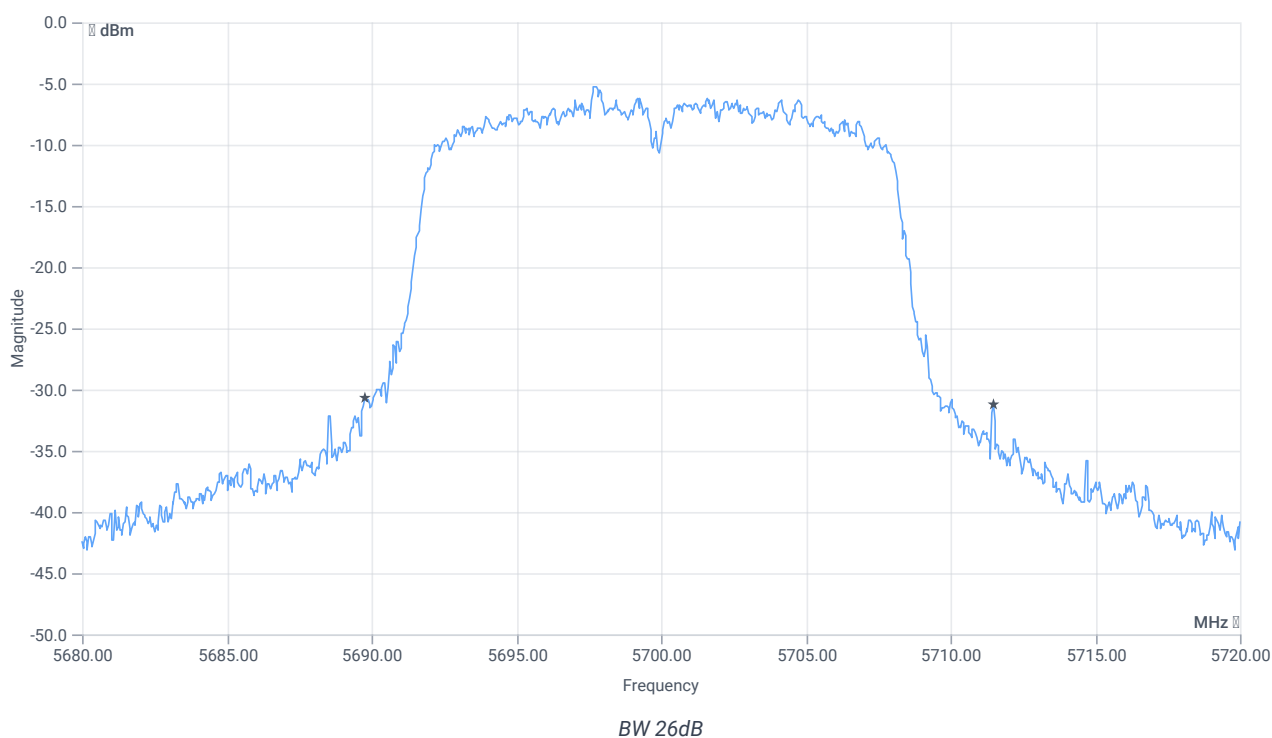
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.05    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5701.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



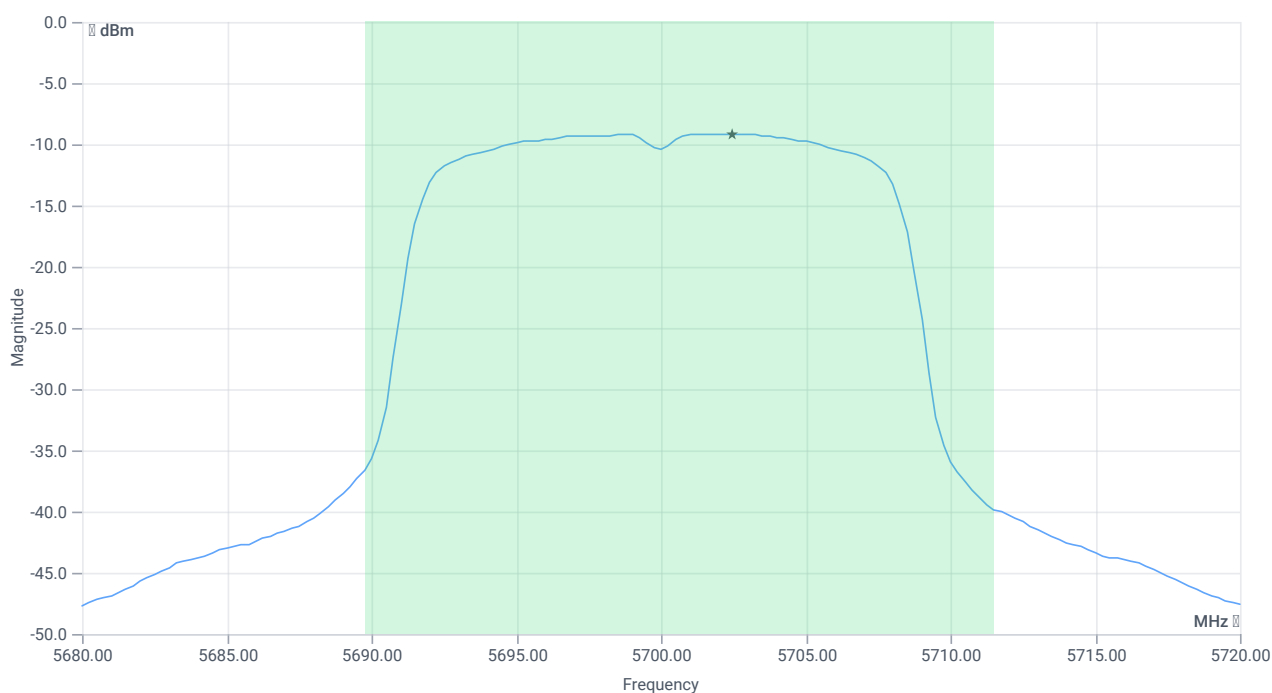
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 21.72     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5689.7600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5711.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.95   15.9   10     |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.95     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.95     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 21.72  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24.37       | 1.95     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -9.15    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -9.15    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:22:15                                         |
| Ambit temp [°C]   humidity [rel%] | 25.6   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

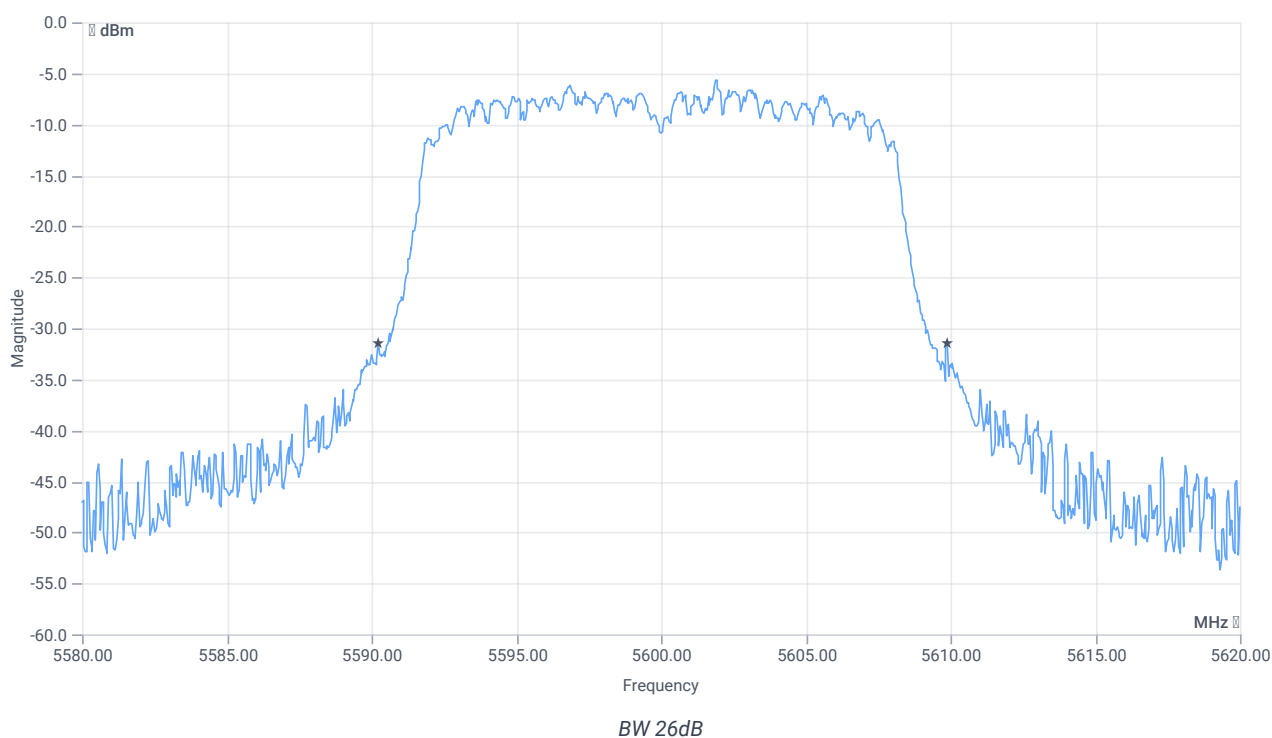
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.63    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5602.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



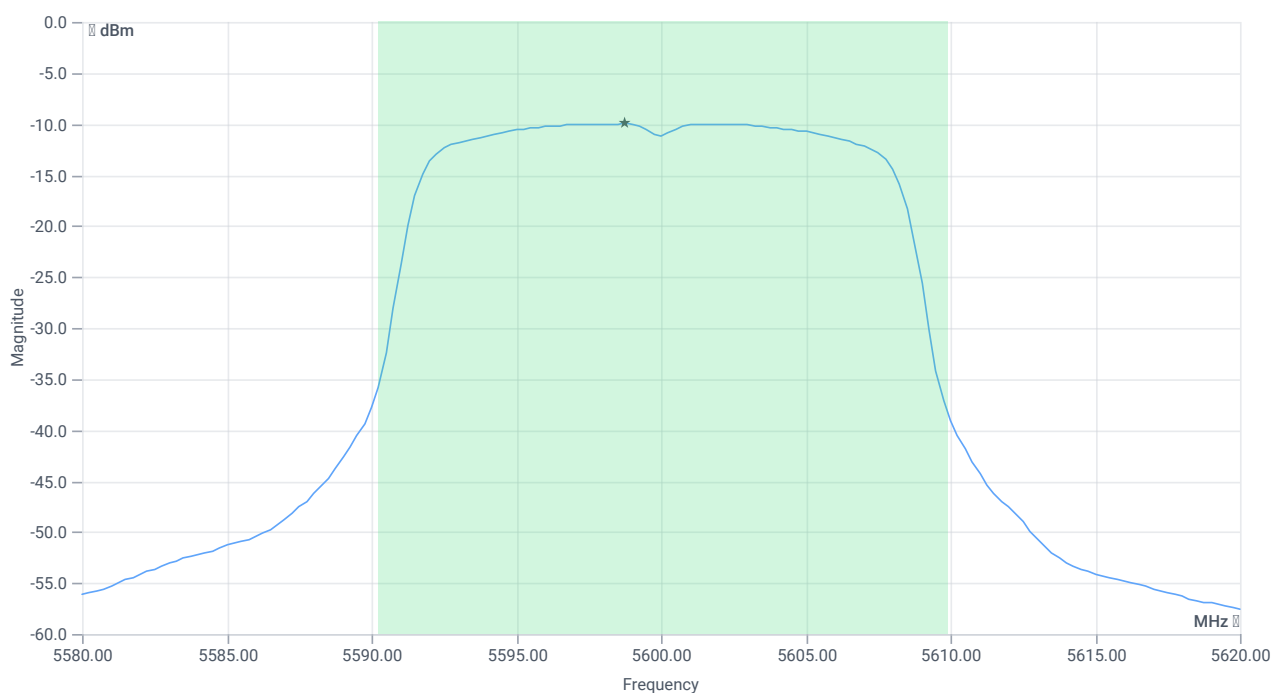
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.64     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5590.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5609.8800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.37   16.04   10    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 1.13     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 1.13     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.64  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.93       | 1.13     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -9.96    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -9.96    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:18:49                                         |
| Ambit temp [°C]   humidity [rel%] | 25.7   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5600 MHz

RESULT: Reference Power cond.

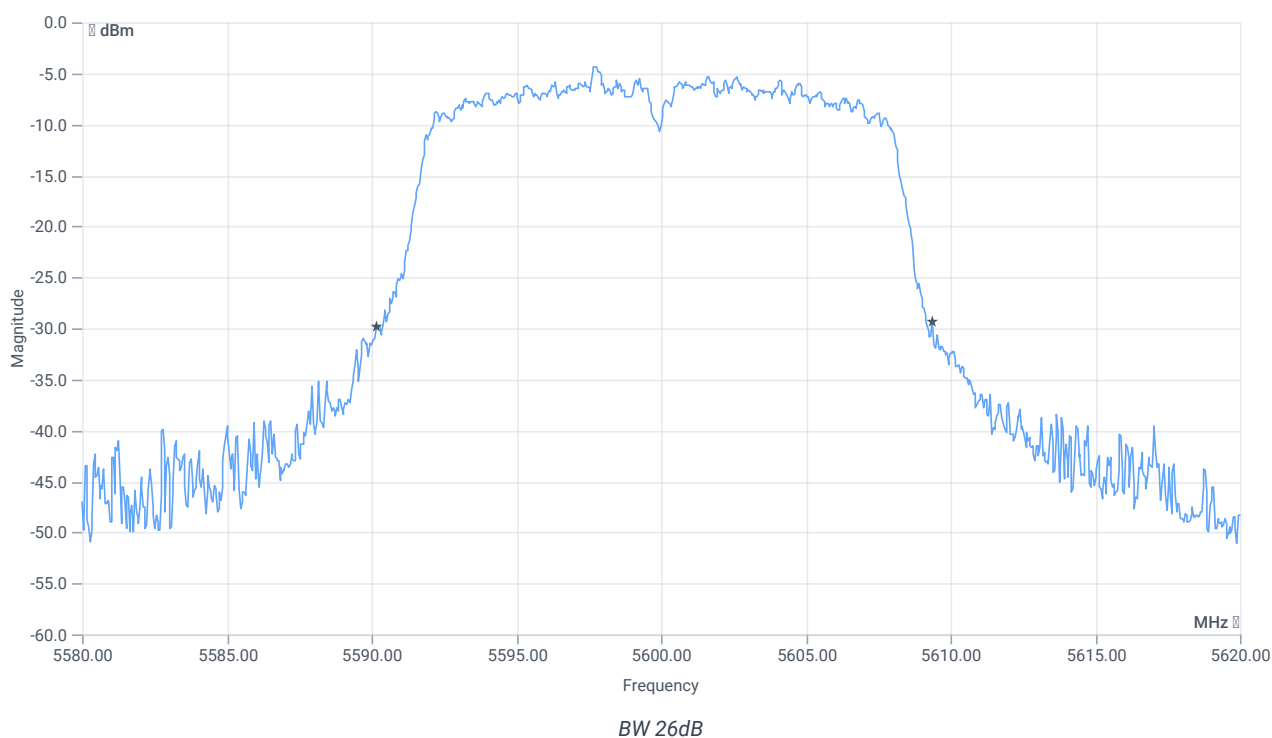
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.68    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5595.600 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



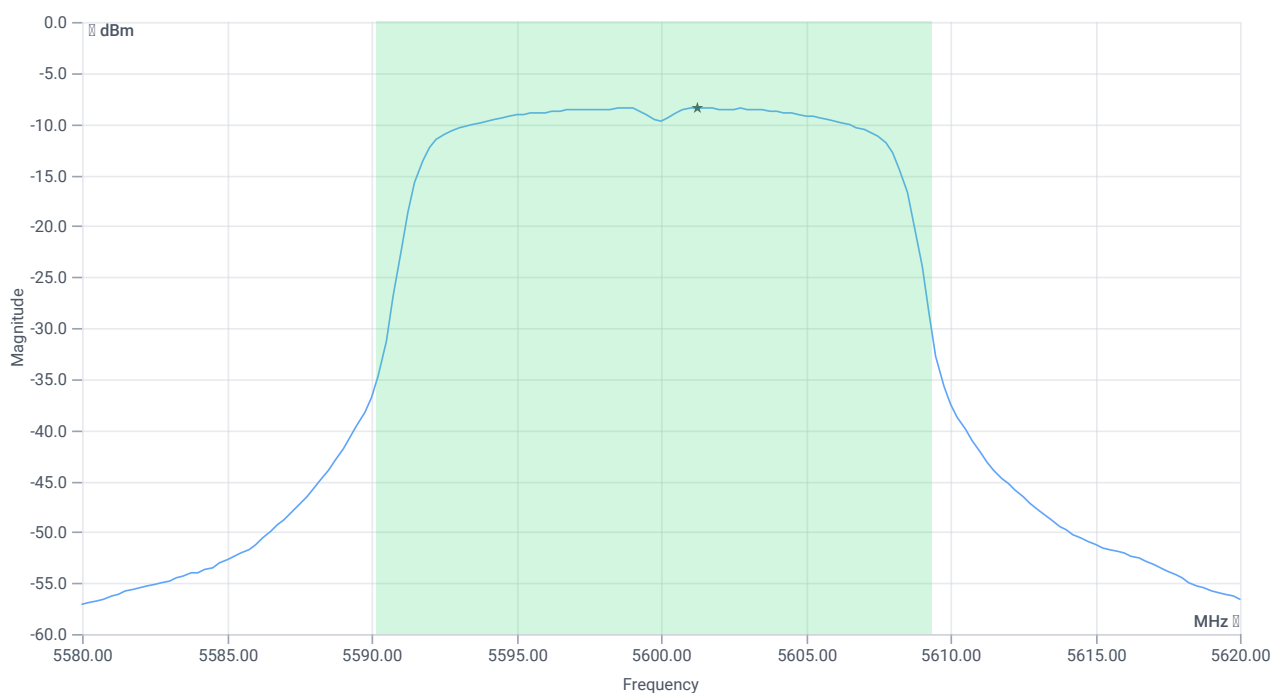
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.24     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5590.1600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5609.4000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.32   16.04   10    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 2.64     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 2.64     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.24  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.84       | 2.64     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -8.45    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -8.45    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:13:39                                         |
| Ambit temp [°C]   humidity [rel%] | 25.8   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5500 MHz

RESULT: Reference Power cond.

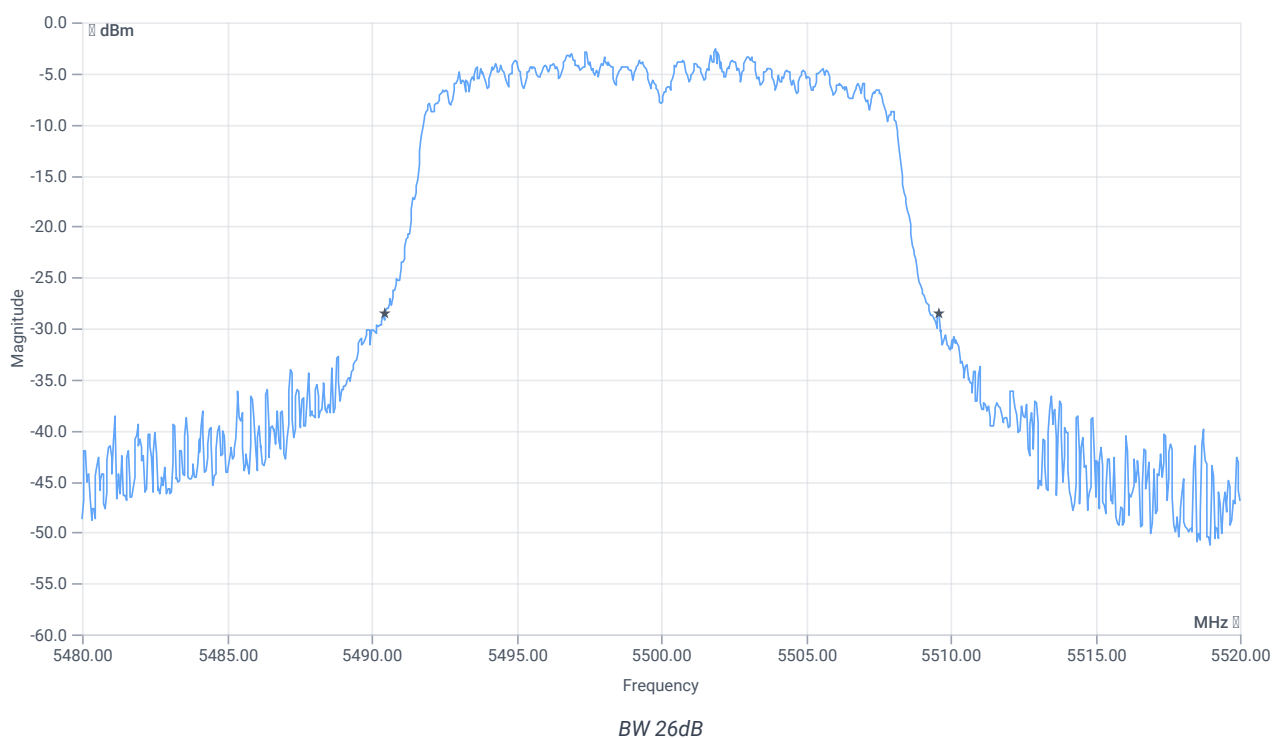
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.43     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5498.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



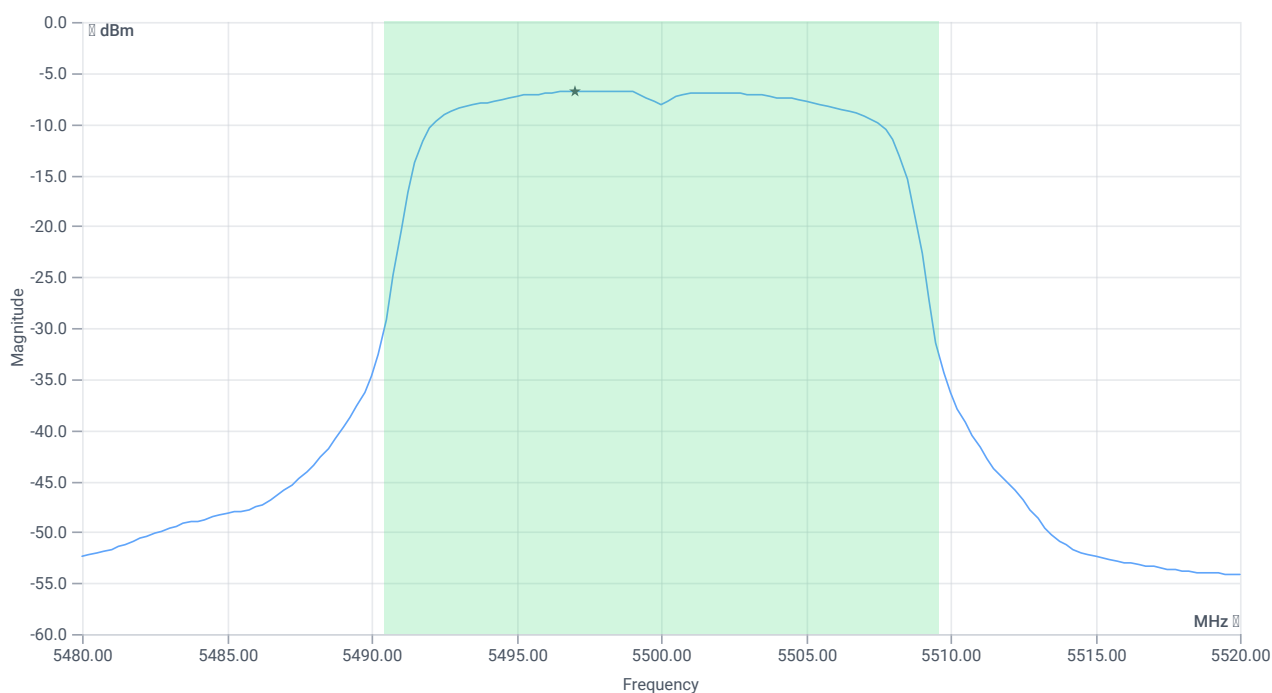
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.12     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5490.4800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5509.6000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.43   16   15       |
| Start [MHz]   Stop [MHz]                             | 5480.000   5520.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.26     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 4.26     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.12  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.81       | 4.26     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -6.77    | dBm/1MHz | INFO    |

## RESULT

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -6.77    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:10:16                                         |
| Ambit temp [°C]   humidity [rel%] | 25.8   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| 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]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5500 MHz

RESULT: Reference Power cond.

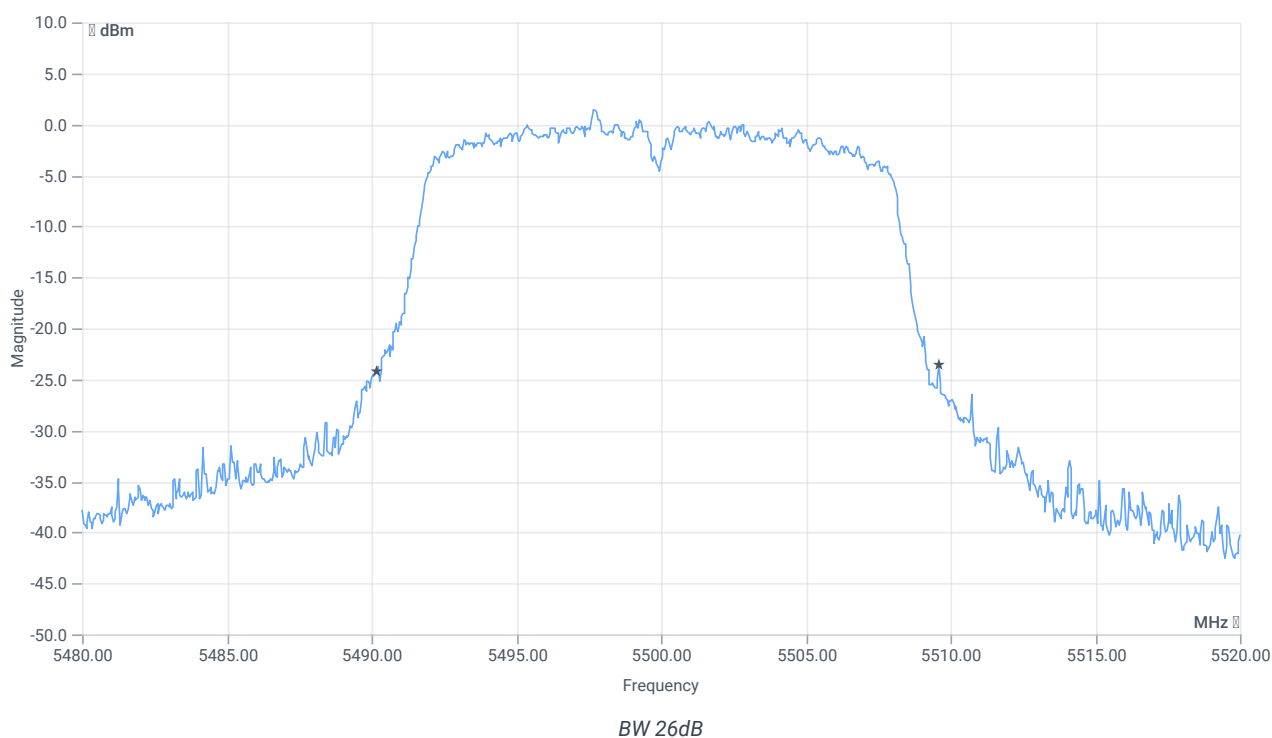
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 5.04     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5498.400 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



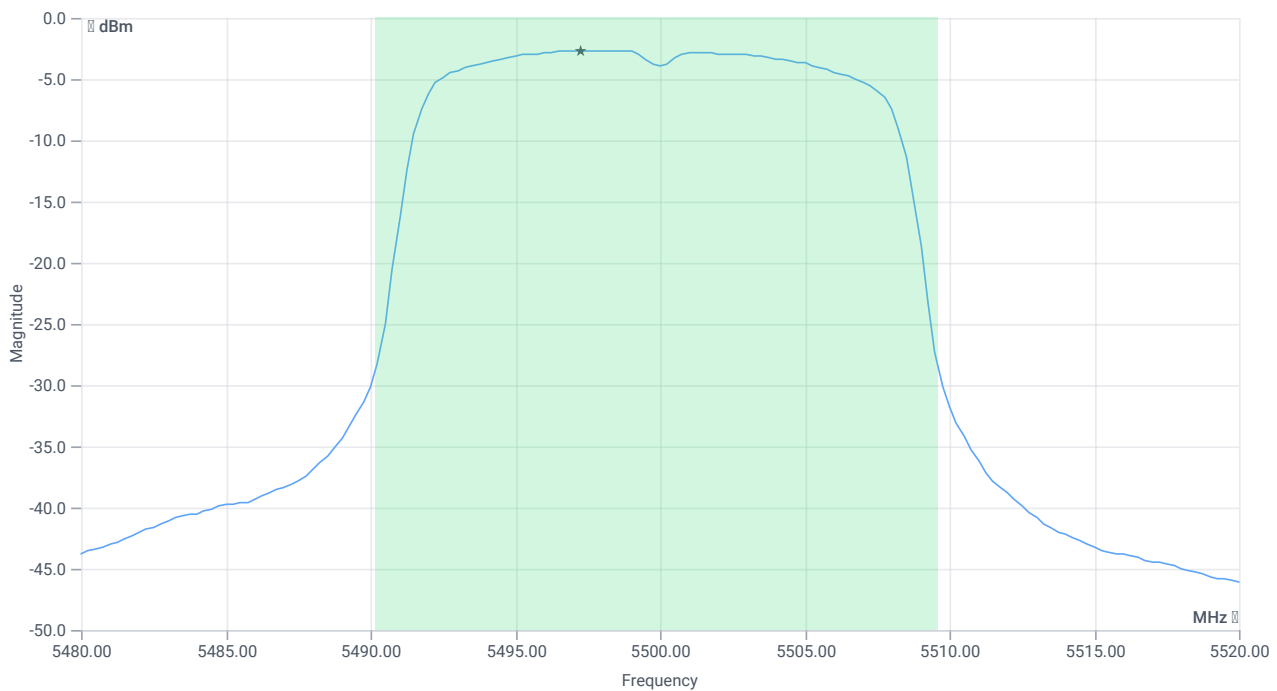
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.44     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5490.1600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5509.6000 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 17.04   16   20       |
| Start [MHz]   Stop [MHz]                             | 5480.000   5520.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 8.37     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 8.37     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.44  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.89       | 8.37     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -2.67    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -2.67    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:03:32                                         |
| Ambit temp [°C]   humidity [rel%] | 25.9   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5320 MHz

RESULT: Reference Power cond.

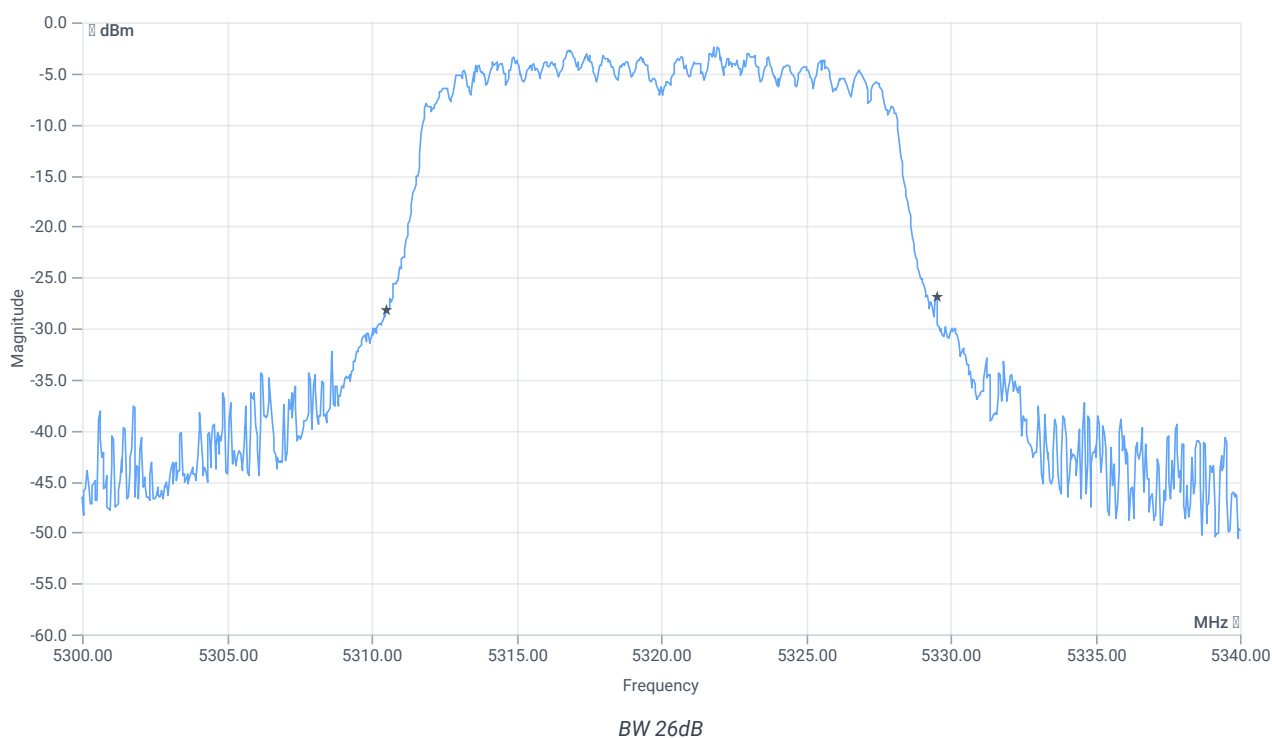
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.05     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5322.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



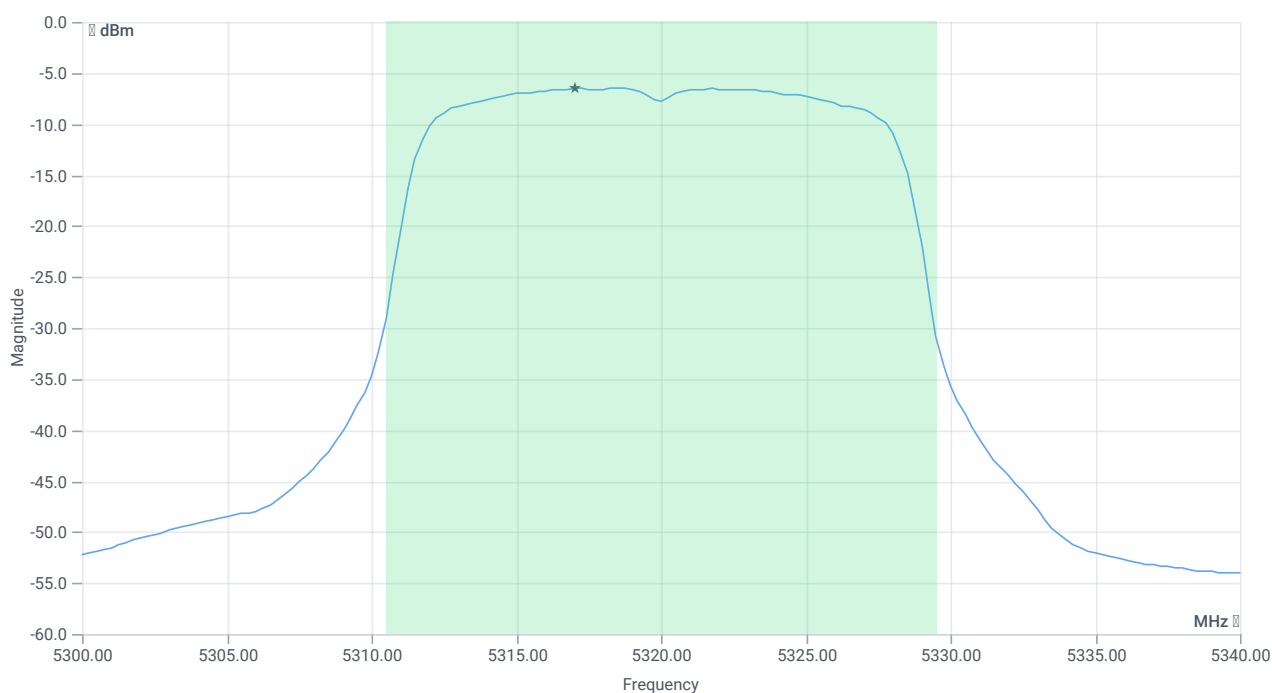
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19        | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5310.5200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5329.5200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.05   15.56   15    |
| Start [MHz]   Stop [MHz]                             | 5300.000   5340.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.59     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 4.59     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19     |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.79       | 4.59     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -6.53    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -6.53    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 18:00:05                                         |
| Ambit temp [°C]   humidity [rel%] | 26.0   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | True   Freq [MHz] 5320                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5320 MHz

RESULT: Reference Power cond.

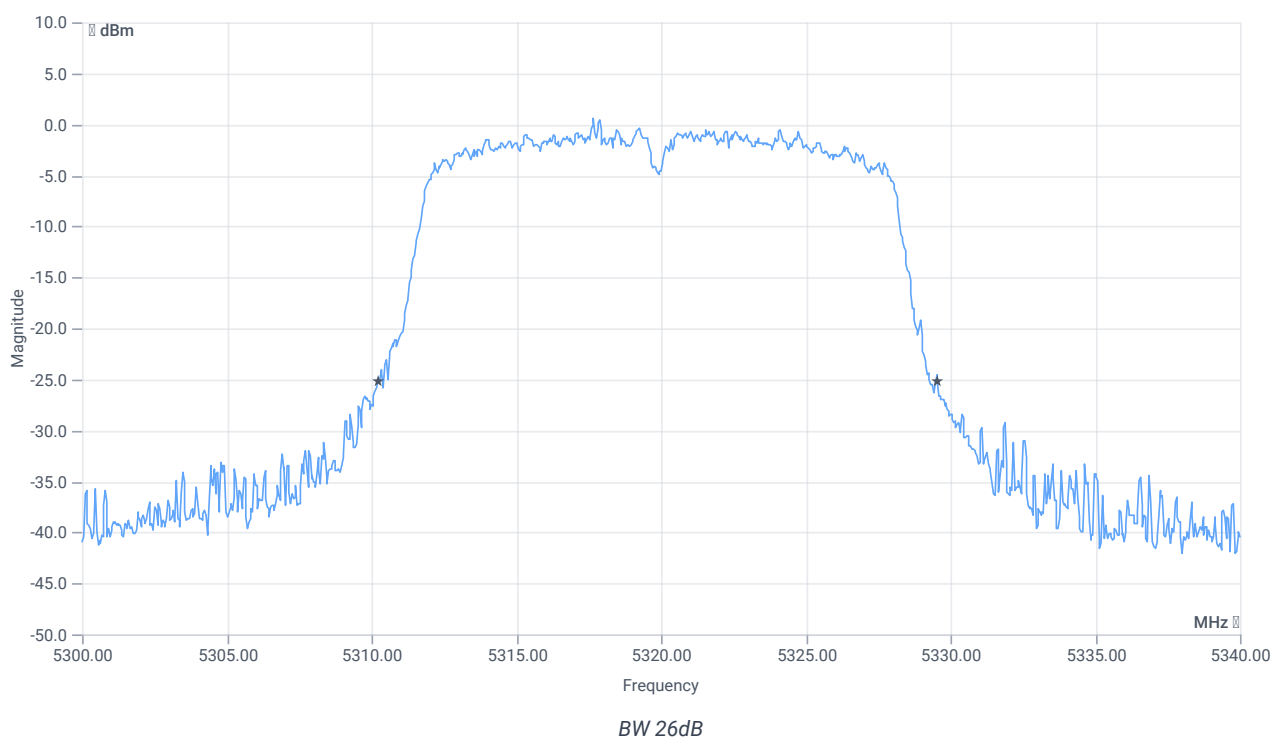
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 4.65     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5322.000 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



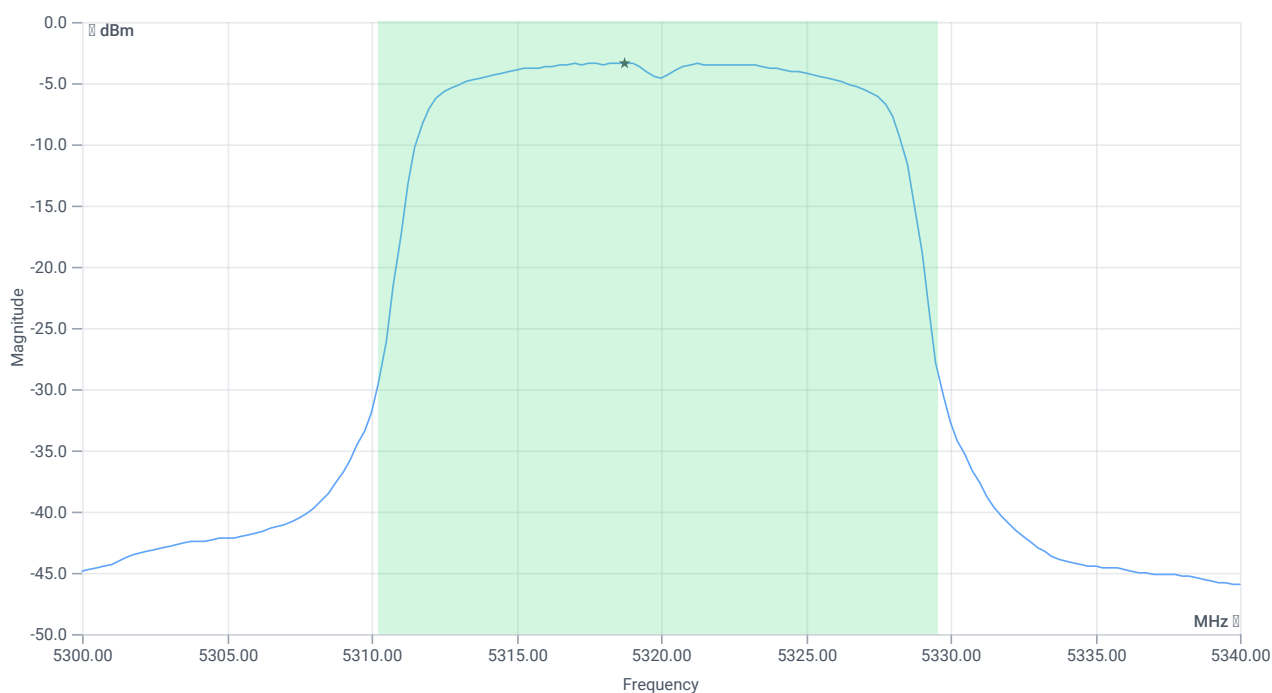
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.32     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5310.2400 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5329.5600 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 16.65   15.56   20    |
| Start [MHz]   Stop [MHz]                             | 5300.000   5340.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 7.74     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 7.74     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.32  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.86       | 7.74     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -3.38    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -3.38    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 17:55:54                                         |
| Ambit temp [°C]   humidity [rel%] | 26.1   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5280                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5280 MHz

RESULT: Reference Power cond.

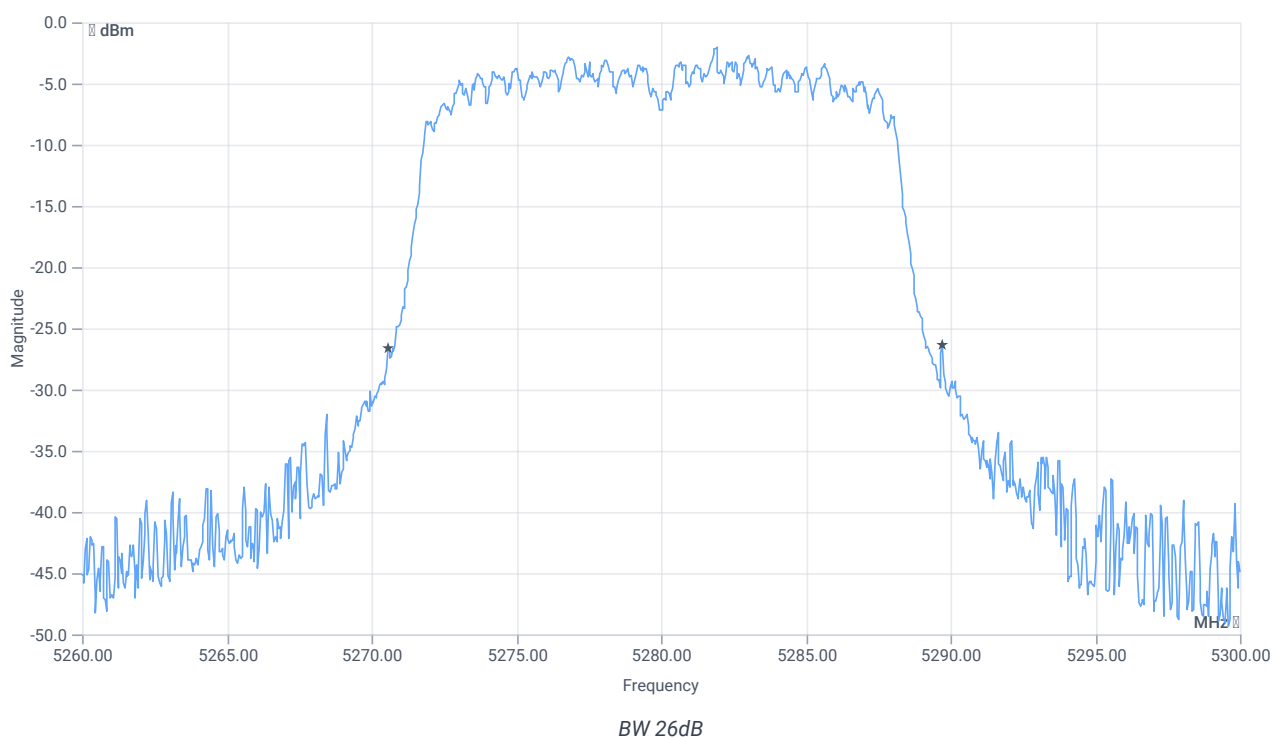
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.69     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5278.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

### Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



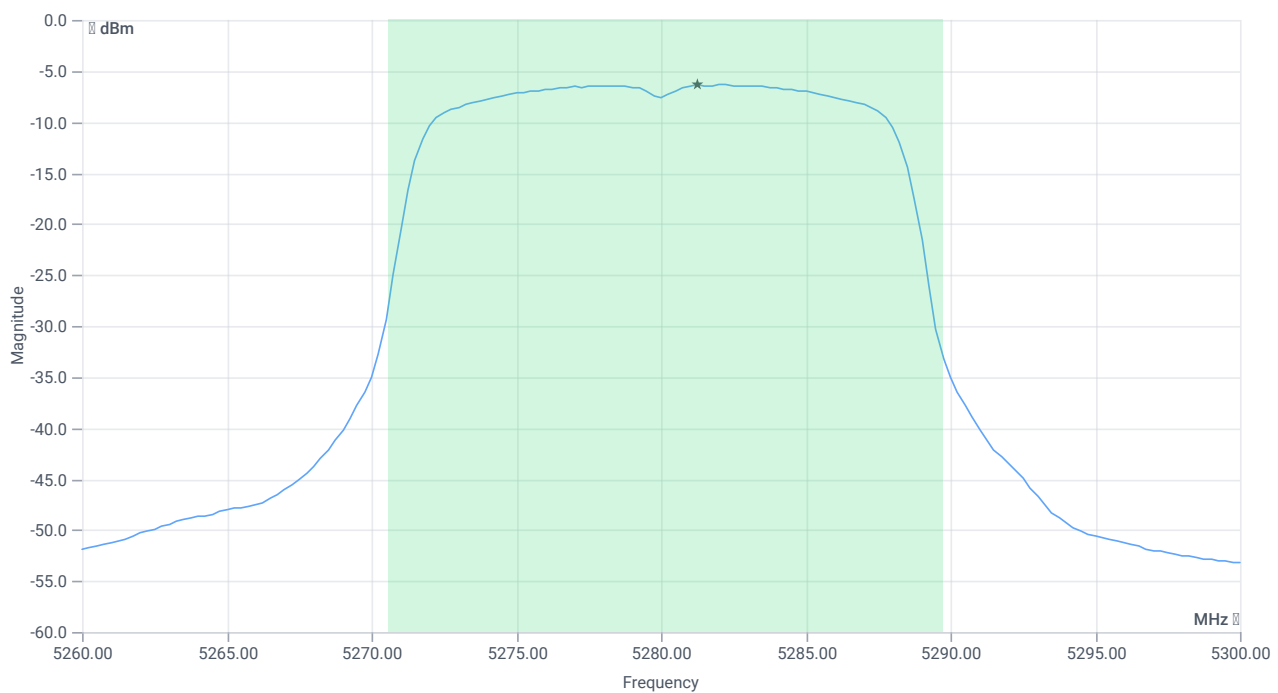
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5270.5600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5289.7200 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.69   15.5   15     |
| Start [MHz]   Stop [MHz]                             | 5260.000   5300.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 4.7      | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 4.7      | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.82       | 4.7      | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -6.39    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -6.39    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 17:52:29                                         |
| Ambit temp [°C]   humidity [rel%] | 26.1   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5260                |
| Frequency mid to test                            | True   Freq [MHz] 5280                 |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5280 MHz

RESULT: Reference Power cond.

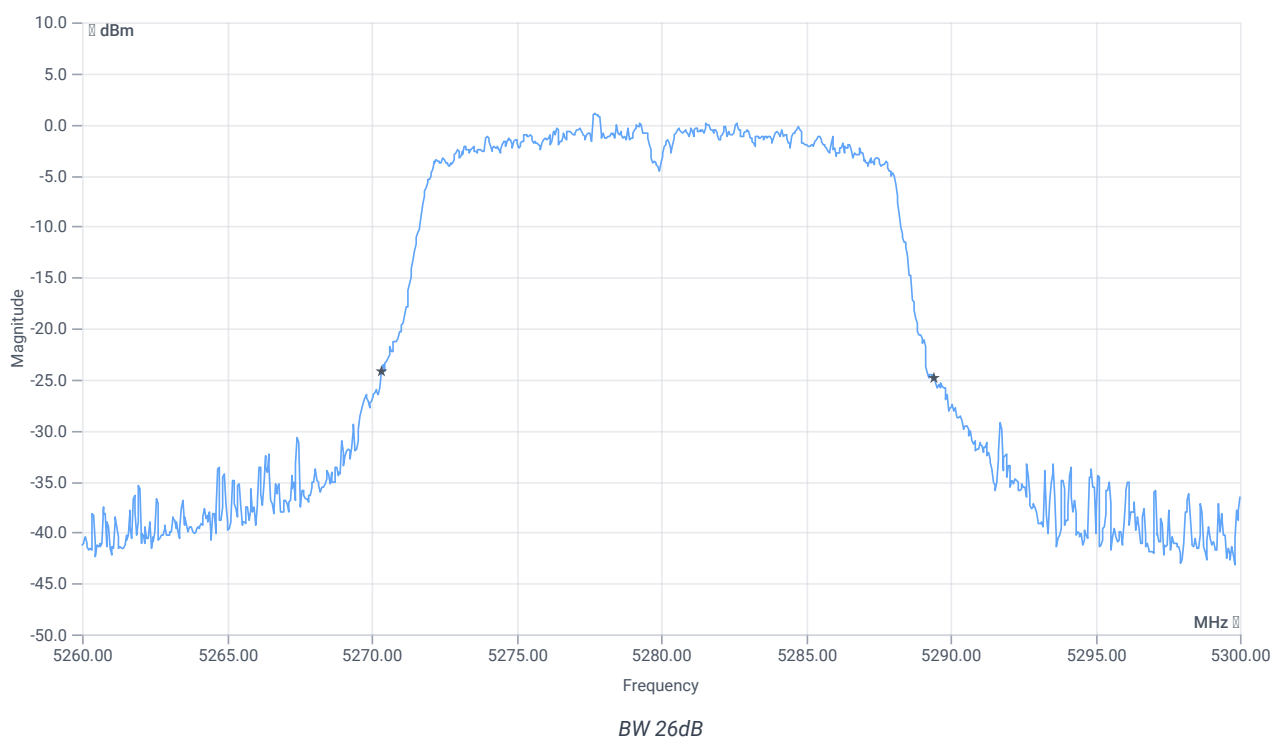
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 5.29     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5277.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



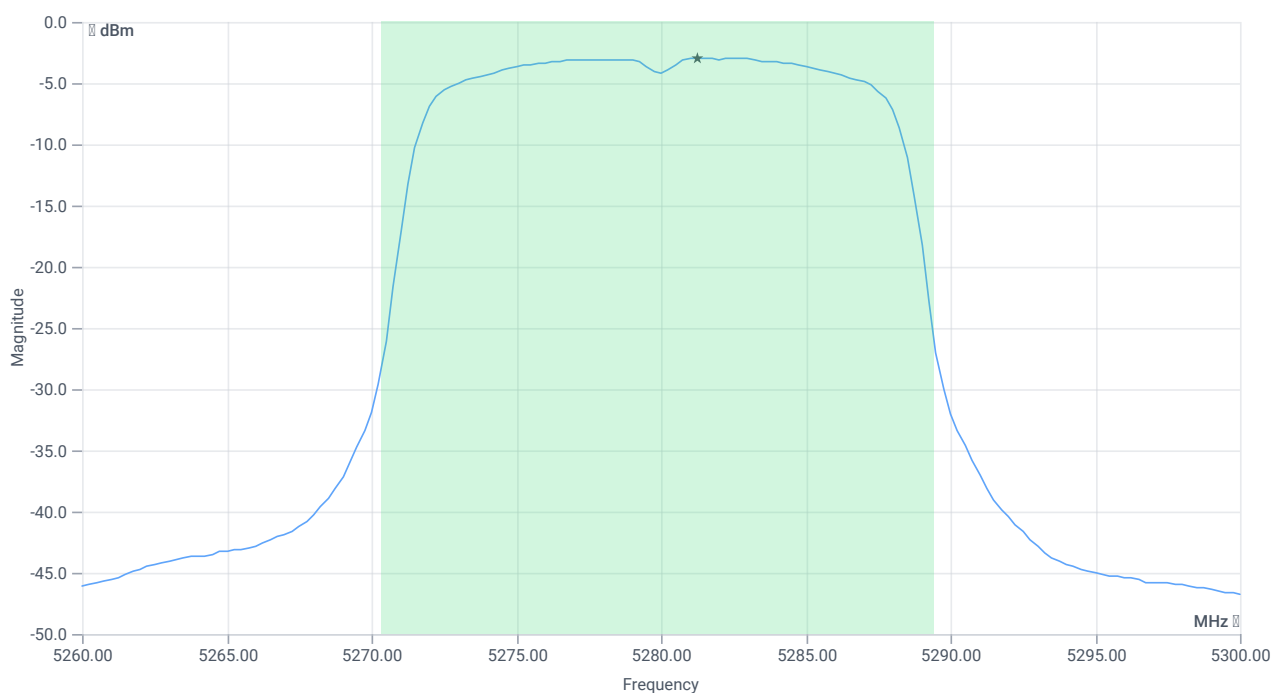
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.12     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5270.3200 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5289.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 17.29   15.5   20     |
| Start [MHz]   Stop [MHz]                             | 5260.000   5300.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000   |
| Detector   TraceMode                                 | RMS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 53700   1   161   SWE |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 8.12     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 8.12     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.12  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.81       | 8.12     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -3       | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -3       | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 17:48:40                                         |
| Ambit temp [°C]   humidity [rel%] | 26.2   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5260 MHz

RESULT: Reference Power cond.

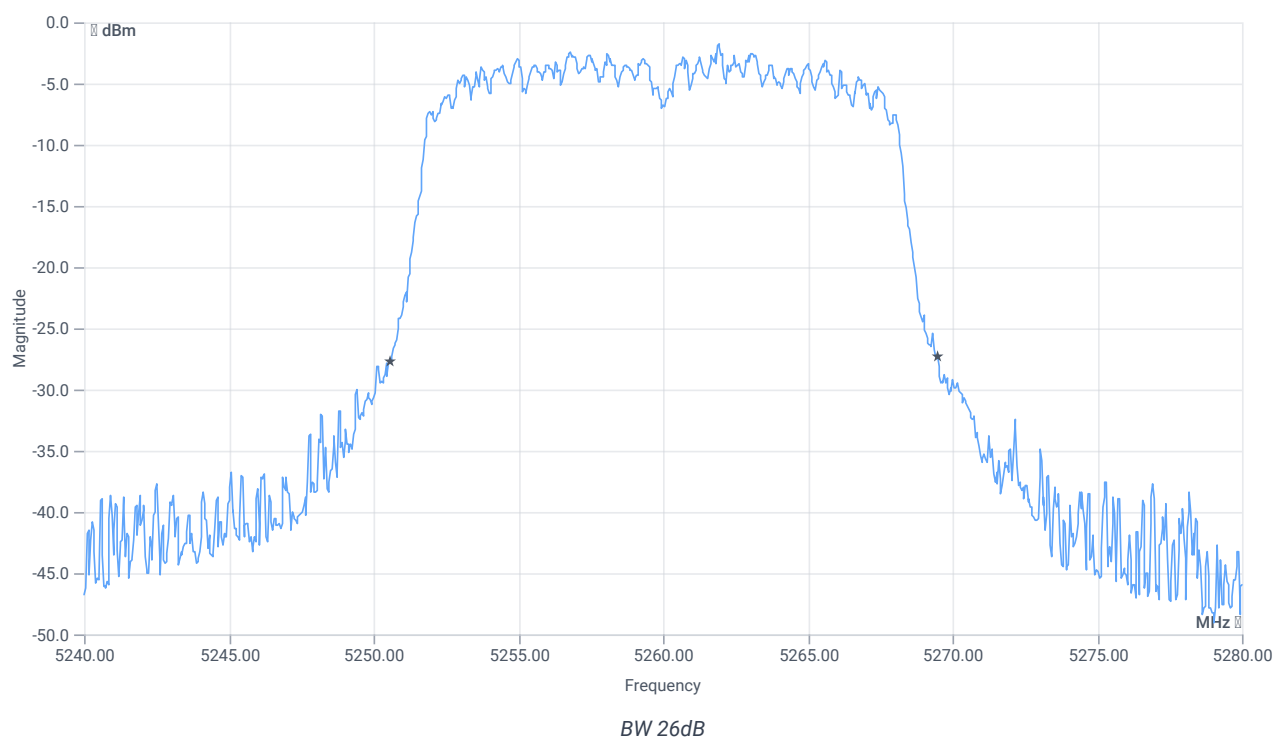
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 2.03     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5265.590 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



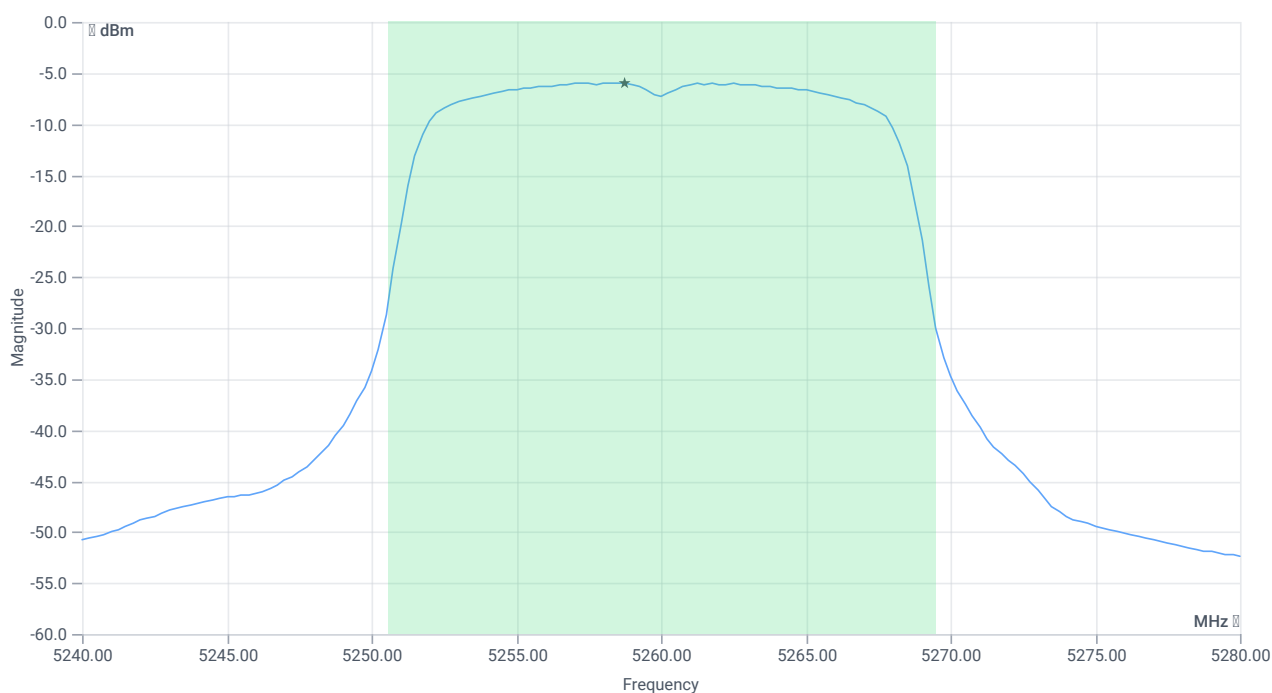
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 18.92     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5250.5600 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5269.4800 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 14.03   15.74   15    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 5.11     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 5.11     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 18.92  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.77       | 5.11     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -6.02    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -6.02    | dBm/1MHz | PASS    |

Verdict

PASS



## FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

### References

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| TC start                          | 16.10.2023 17:45:15                                         |
| Ambit temp [°C]   humidity [rel%] | 26.3   27                                                   |
| System version                    | 4.6.2.0                                                     |
| Standard   Version                | FCC 15.407   NI                                             |
| Method                            | KDB789033 D02, F., E.2.e.                                   |
| Description                       | FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A |
| Information                       |                                                             |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5260                 |
| Frequency mid to test                            | False   Freq [MHz] 5280                |
| Frequency high to test                           | False   Freq [MHz] 5320                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

## Test at TX 5260 MHz

RESULT: Reference Power cond.

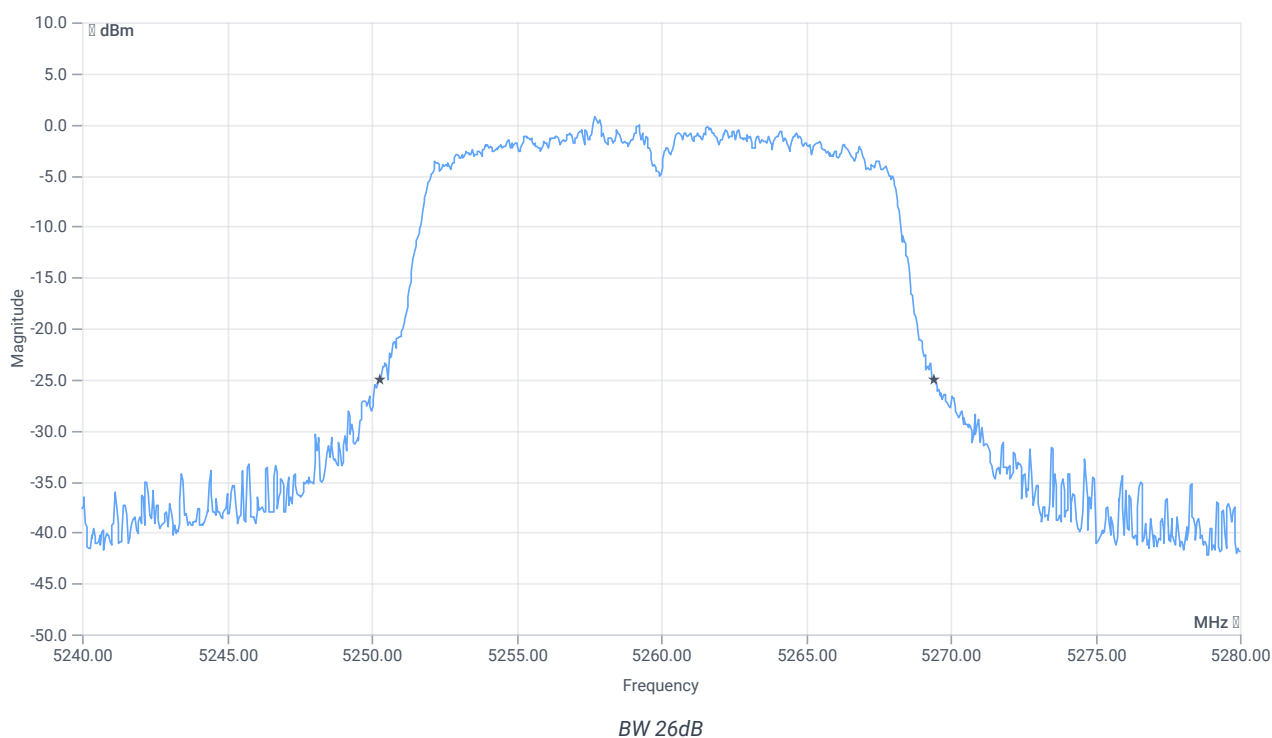
| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 5.36     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5261.200 | MHz  | INFO    |

## Evaluation max. Duty Cycle

Duty Cycle evaluation

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT          |
|----------------|-------------|-------------|----------|------|------------------|
| Duty Cycle min | ---         | ---         | 0        | dB   | DC > 98% defined |

## Evaluation Bandwidth



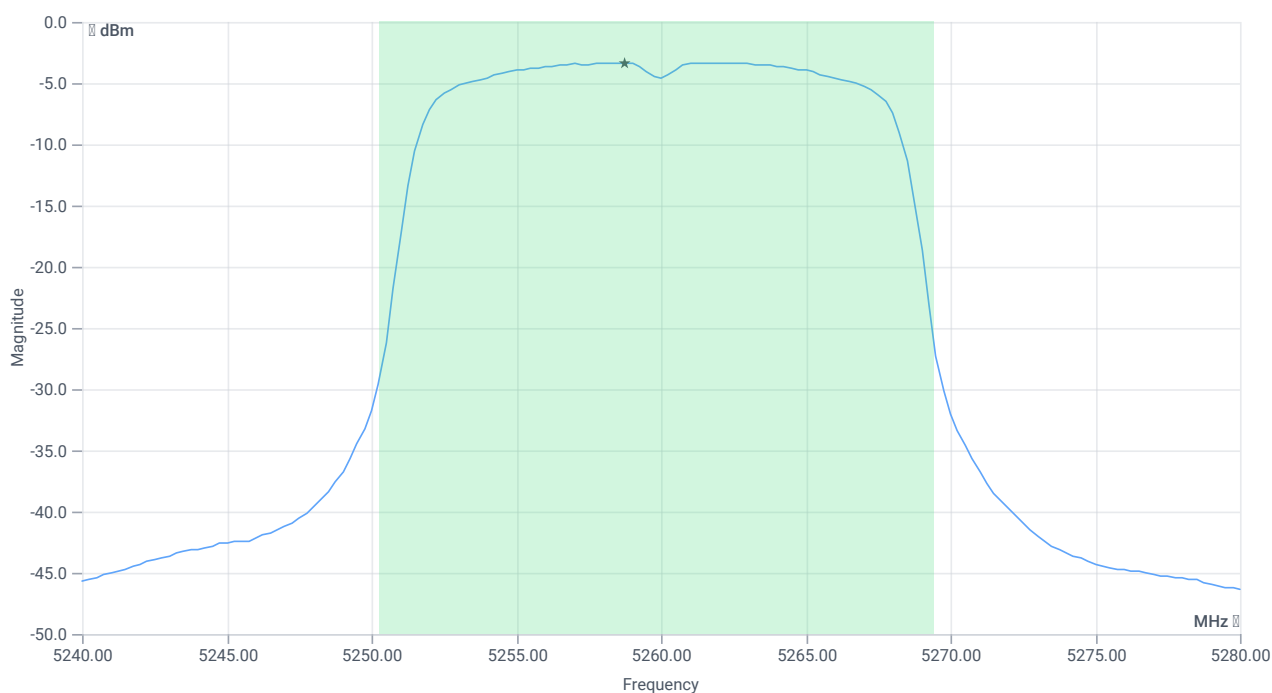
## RESULT

| DESCRIPTION    | LOWER LIMIT | UPPER LIMIT | MEASURED  | UNIT | VERDICT |
|----------------|-------------|-------------|-----------|------|---------|
| Bandwidth 26dB | ---         | ---         | 19.16     | MHz  | INFO    |
| T1 26dB        | ---         | ---         | 5250.2800 | MHz  | INFO    |
| T2 26dB        | ---         | ---         | 5269.4400 | MHz  | INFO    |

## Maximum Output Power

## READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 17.36   15.74   20    |
| 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 |



Max OP and PSD

## RESULT

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Max Output Power              | ---         | ---         | 7.79     | dBm  | INFO    |
| Duty Cycle Correction         | ---         | ---         | 0        | dB   | INFO    |
| Limit absolute                |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 24          | 7.79     | dBm  | PASS    |
| Limit: 11 dBm + 10 log 19.16  |             |             |          |      |         |
| Max Output Power DC corrected | ---         | 23.82       | 7.79     | dBm  | PASS    |

## Power Spectral Density

## RESULT

| DESCRIPTION            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|------------------------|-------------|-------------|----------|----------|---------|
| Power Spectral Density | ---         | ---         | -3.37    | dBm/1MHz | INFO    |

**RESULT**

| DESCRIPTION                            | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT     | VERDICT |
|----------------------------------------|-------------|-------------|----------|----------|---------|
| Duty Cycle Correction                  | --          | --          | 0        | dB       | INFO    |
| Power Spectral<br>Density DC corrected | --          | 11          | -3.37    | dBm/1MHz | PASS    |

Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 16:11:32                                               |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                                      |
| Method                            | KDB789033 D02, C.2.                                               |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

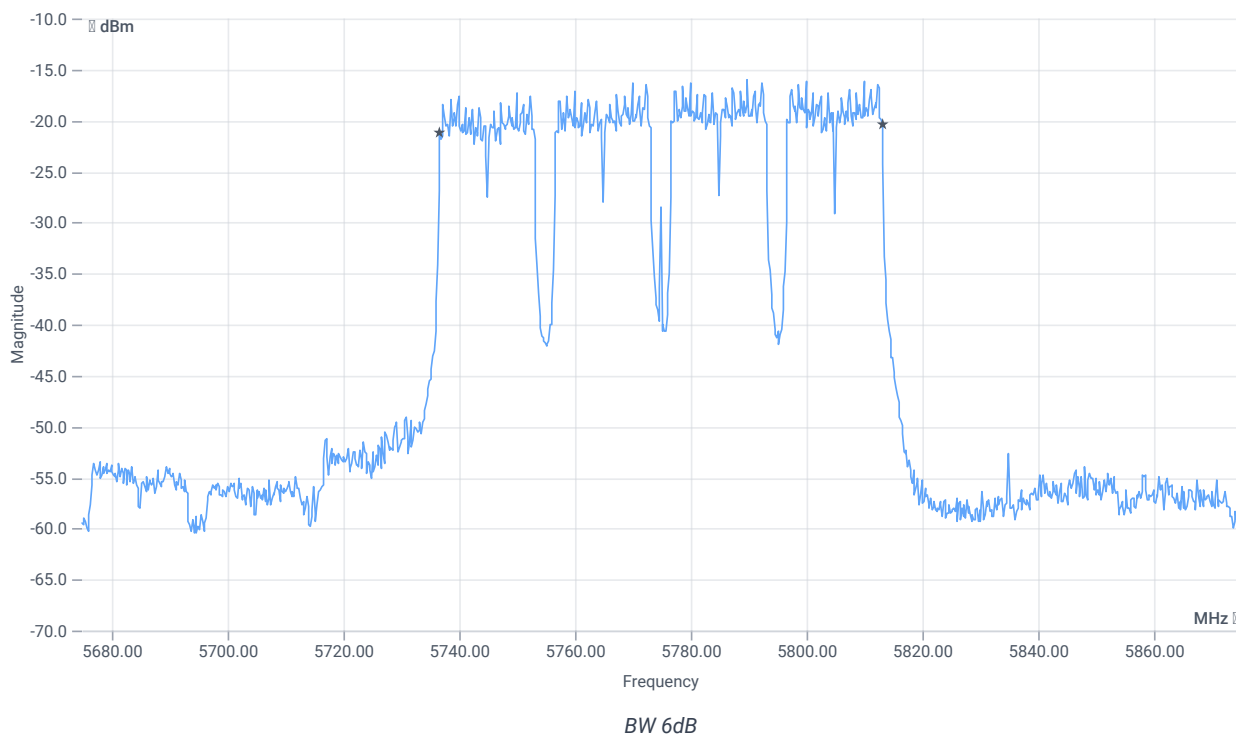
## Test at TX 5775 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -8.53    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5789.590 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 3.47   16.12   5      |
| Start [MHz]   Stop [MHz]                             | 5675.000   5875.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 76.4     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| TC start                          | 17.10.2023 16:01:41                                               |
| Ambit temp [°C]   humidity [rel%] | 23.2   34                                                         |
| System version                    | 4.6.2.0                                                           |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                                      |
| Method                            | KDB789033 D02, C.2.                                               |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT80 mode U-NII-3 |
| Information                       |                                                                   |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx ac-VHT80 mode                  |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 0                   |
| Frequency mid to test                            | True   Freq [MHz] 5775                 |
| Frequency high to test                           | False   Freq [MHz] 0                   |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

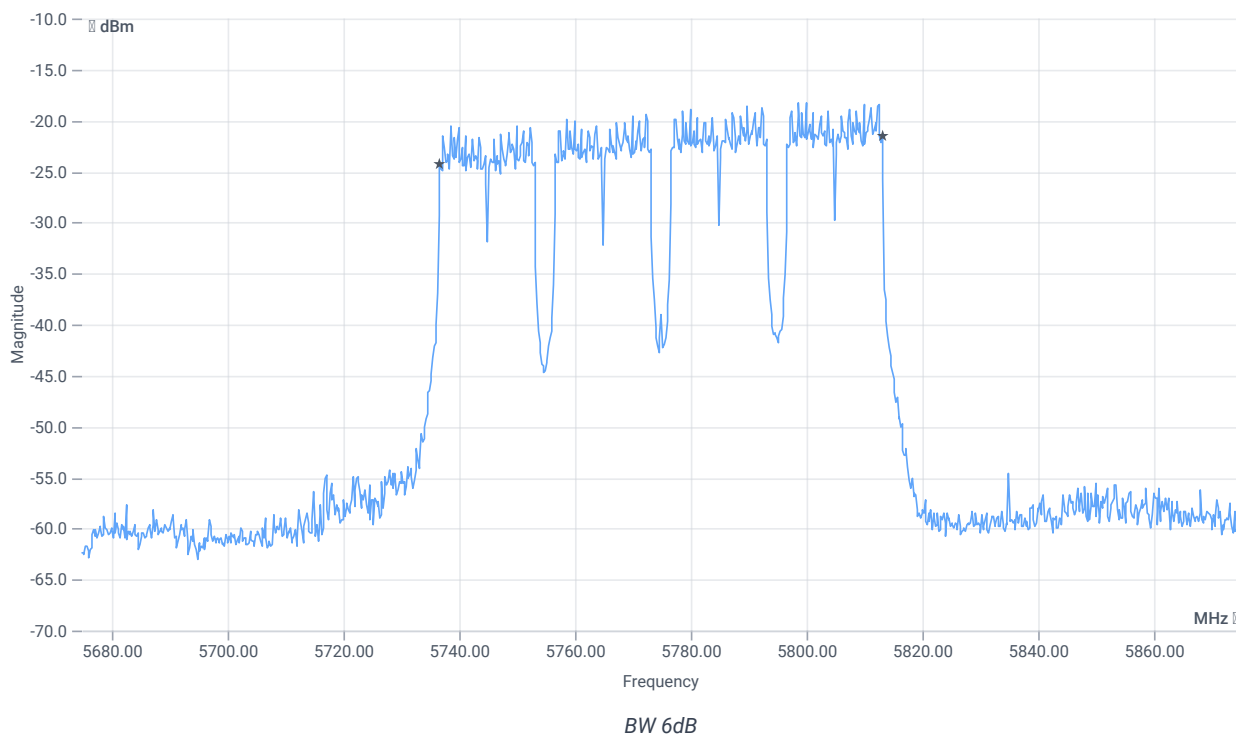
## Test at TX 5775 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -9.71    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5811.160 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 2.29   16.12   5      |
| Start [MHz]   Stop [MHz]                             | 5675.000   5875.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 76.4     | MHz  | PASS    |

Verdict

PASS



## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:53:00                                             |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

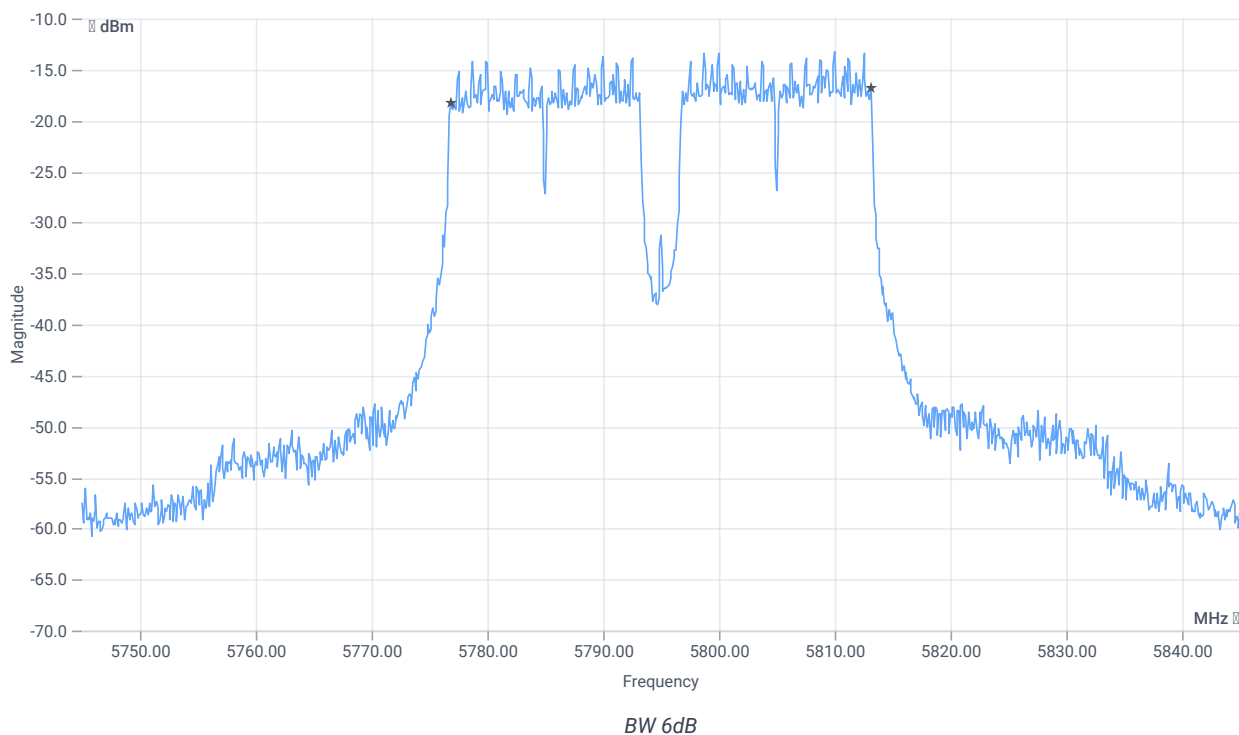
## Test at TX 5795 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.06    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5799.600 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.94   16.07   10     |
| Start [MHz]   Stop [MHz]                             | 5745.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 36.4     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:47:13                                             |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5755                |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | True   Freq [MHz] 5795                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

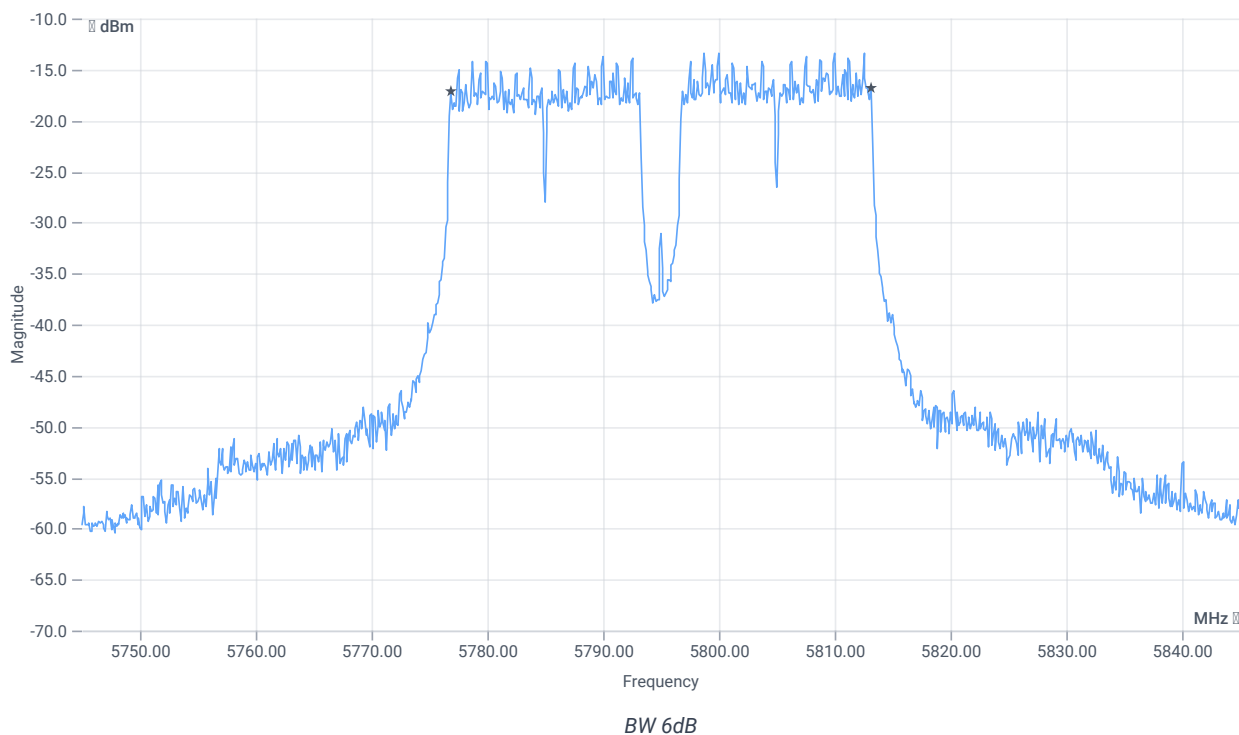
## Test at TX 5795 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.31    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5790.000 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.69   16.07   10     |
| Start [MHz]   Stop [MHz]                             | 5745.000   5845.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 36.4     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:39:39                                             |
| Ambit temp [°C]   humidity [rel%] | 23.1   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

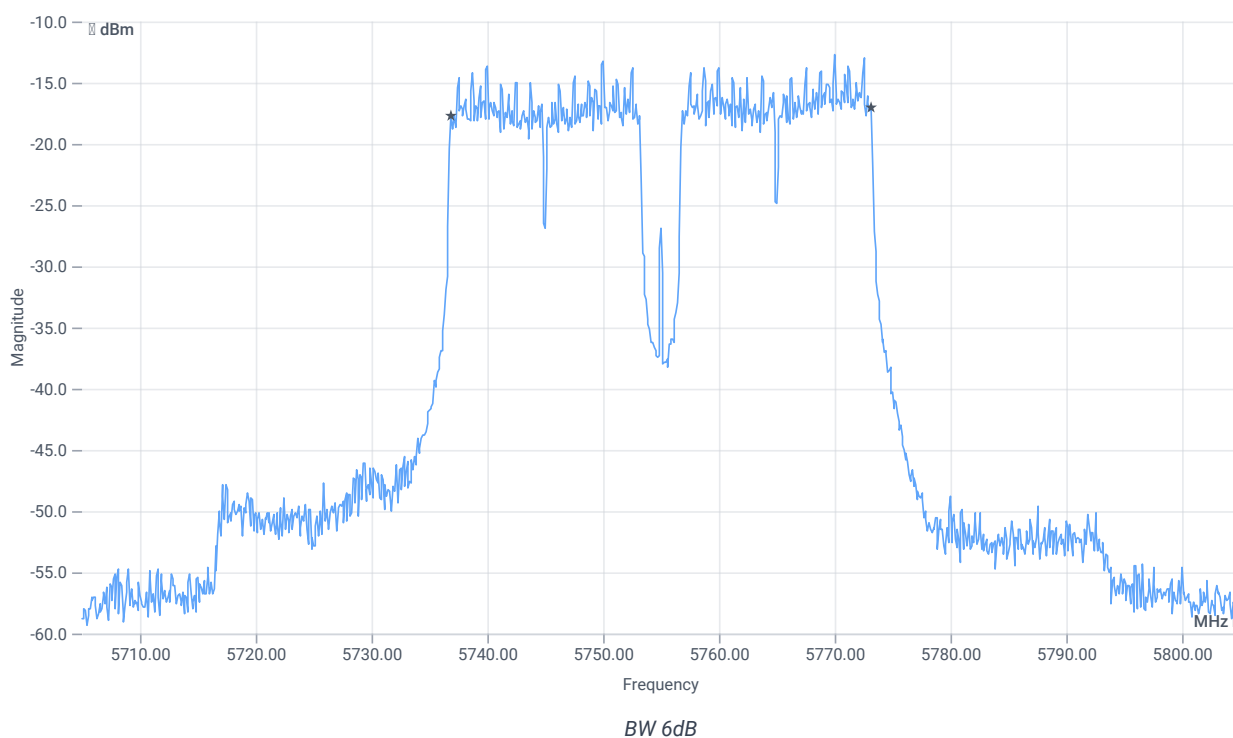
## Test at TX 5755 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -5.47    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5769.790 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 6.53   16.17   10     |
| Start [MHz]   Stop [MHz]                             | 5705.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 36.4     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 14:33:52                                             |
| Ambit temp [°C]   humidity [rel%] | 23.0   34                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT40 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5755                 |
| Frequency mid to test                            | False   Freq [MHz] 0                   |
| Frequency high to test                           | False   Freq [MHz] 5795                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

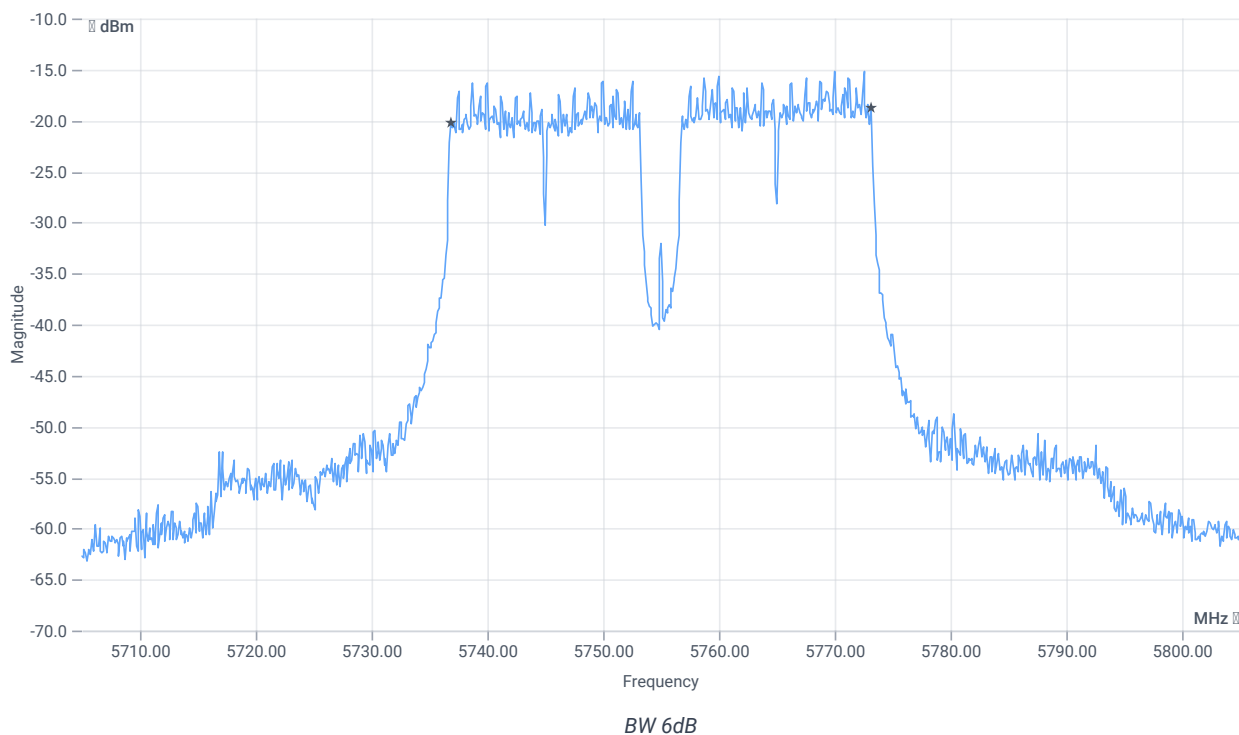
## Test at TX 5755 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -7.00    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5769.990 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 5.00   16.17   5      |
| Start [MHz]   Stop [MHz]                             | 5705.000   5805.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 36.4     | MHz  | PASS    |

#### Verdict

PASS



## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 12:04:02                                             |
| Ambit temp [°C]   humidity [rel%] | 22.2   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                                    |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

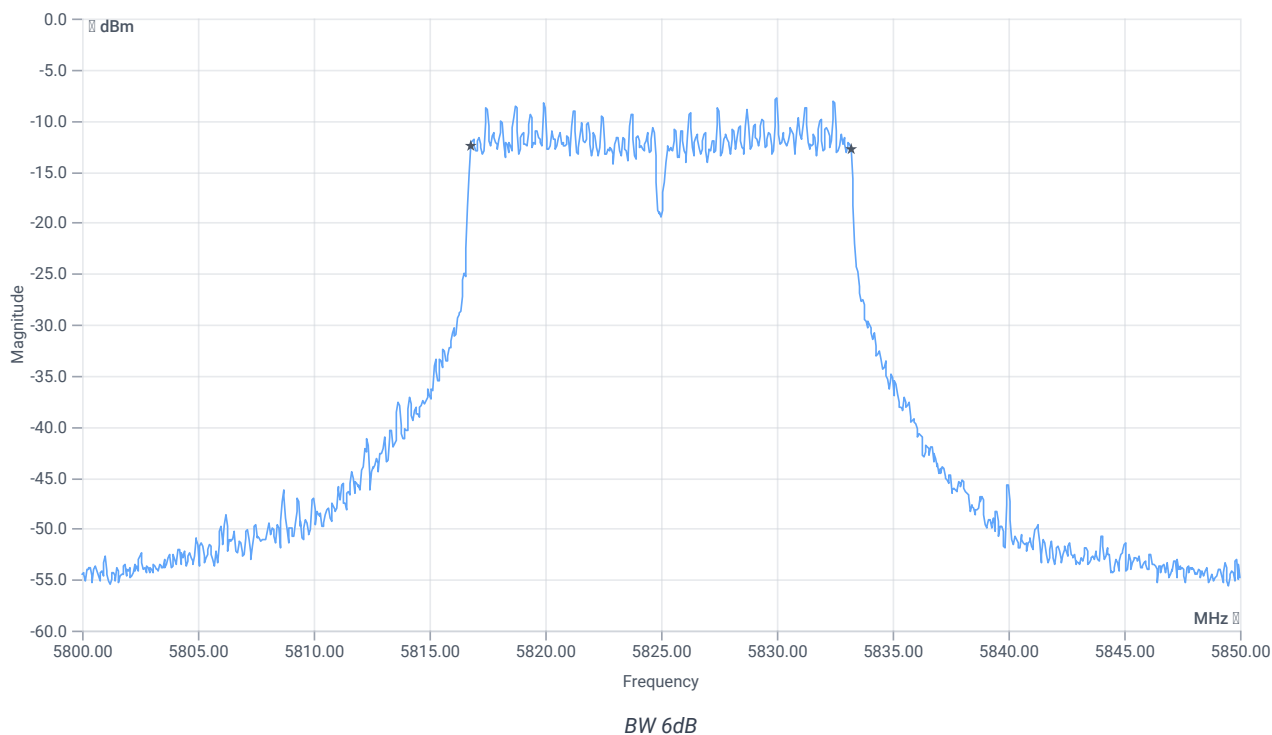
## Test at TX 5825 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.15    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5830.000 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.85   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5800.000   5850.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:57:58                                             |
| Ambit temp [°C]   humidity [rel%] | 22.2   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

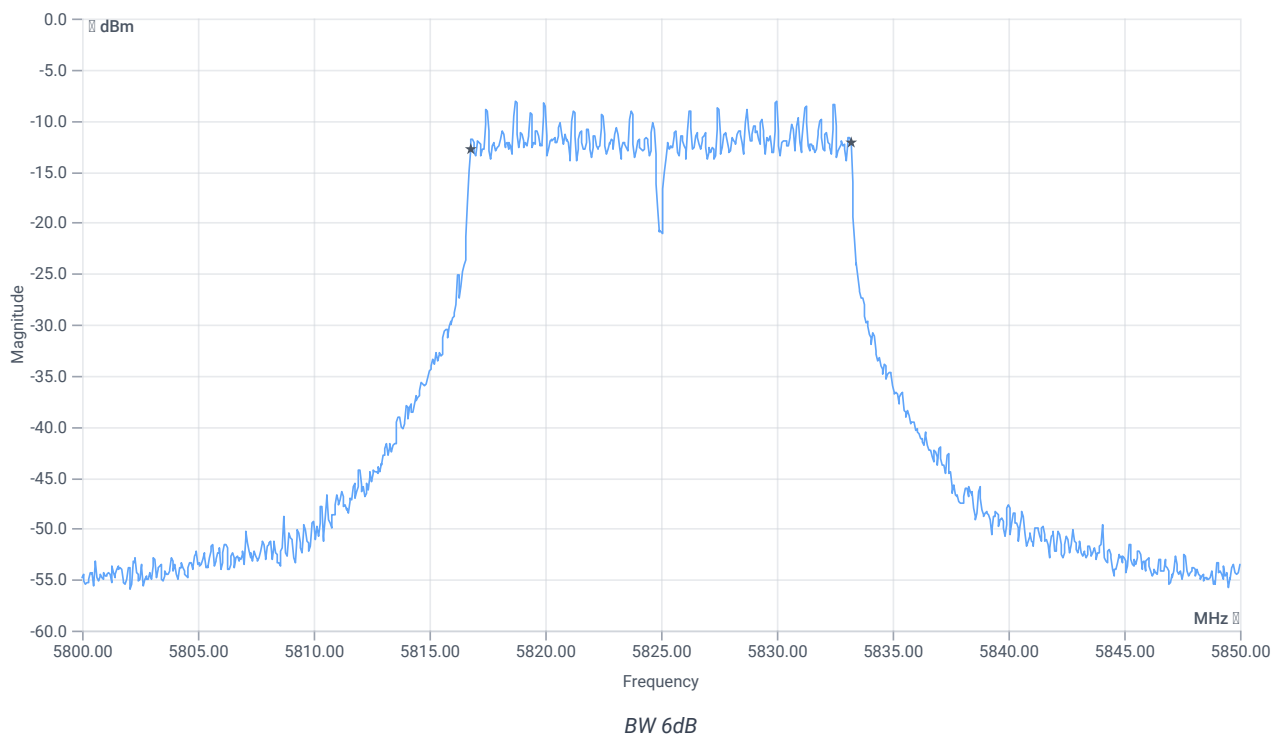
## Test at TX 5825 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 0.35     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5819.410 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 12.35   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5800.000   5850.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:51:13                                             |
| Ambit temp [°C]   humidity [rel%] | 22.1   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                                    |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

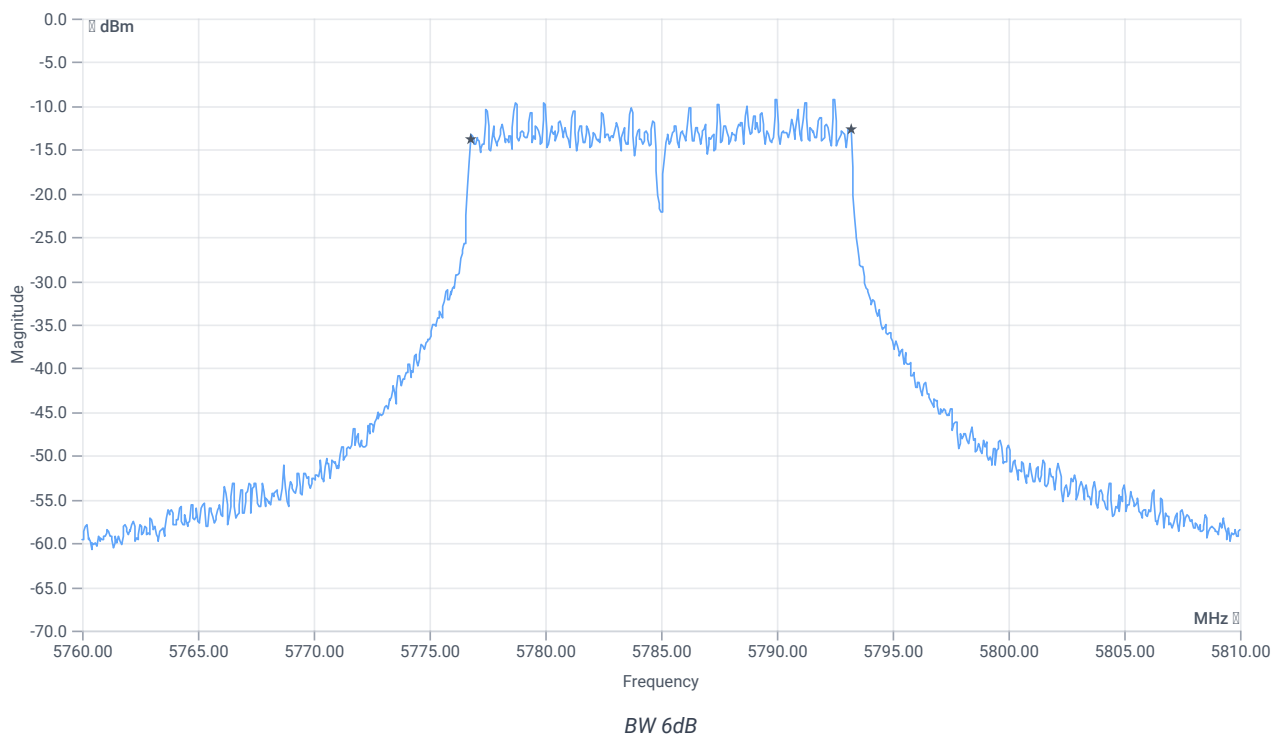
## Test at TX 5785 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.61    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5790.000 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.39   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5760.000   5810.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:45:02                                             |
| Ambit temp [°C]   humidity [rel%] | 22.1   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                                    |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

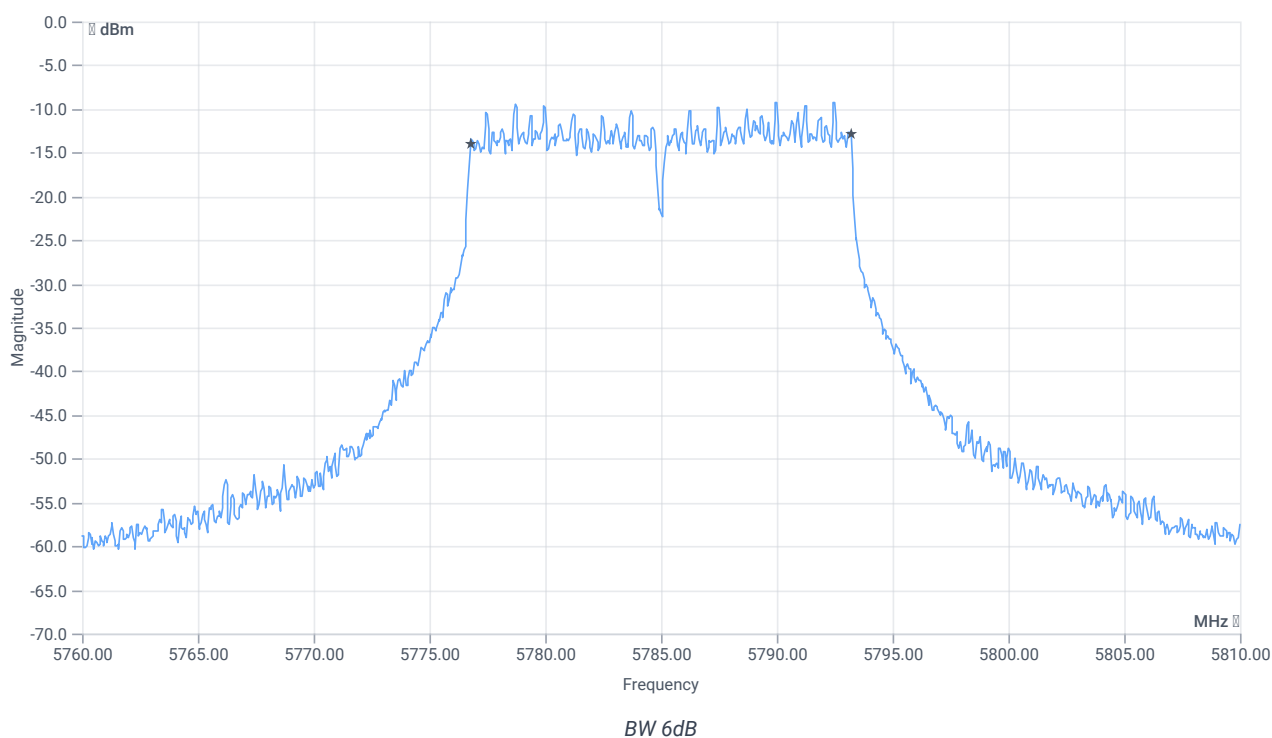
## Test at TX 5785 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.40    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5792.390 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.60   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5760.000   5810.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS



## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:38:25                                             |
| Ambit temp [°C]   humidity [rel%] | 22.1   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

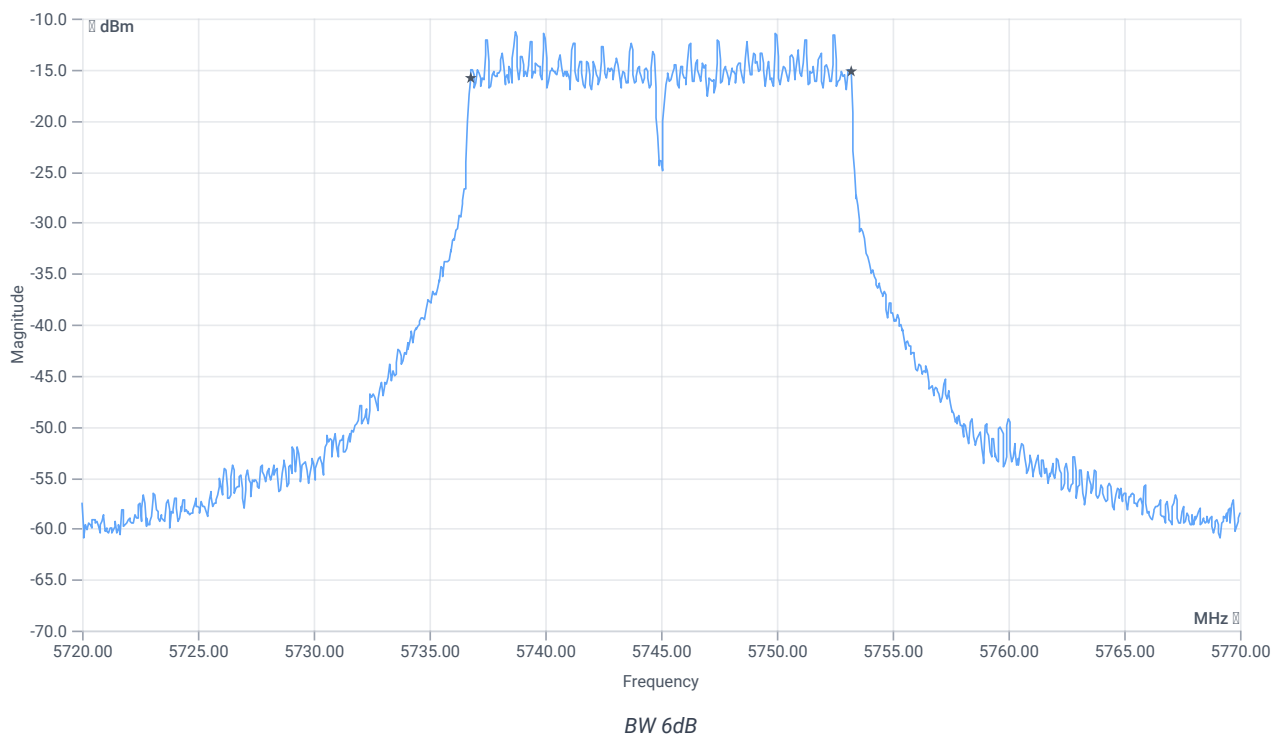
## Test at TX 5745 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.08    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5752.190 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.92   16.12   10     |
| Start [MHz]   Stop [MHz]                             | 5720.000   5770.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT20 mode U-NII-3

### References

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| TC start                          | 17.10.2023 11:32:19                                             |
| Ambit temp [°C]   humidity [rel%] | 22.0   35                                                       |
| System version                    | 4.6.2.0                                                         |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                                   |
| Method                            | KDB789033 D02, C.2.                                             |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT20 mode U-NII-3 |
| Information                       |                                                                 |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx n-HT20 mode                    |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

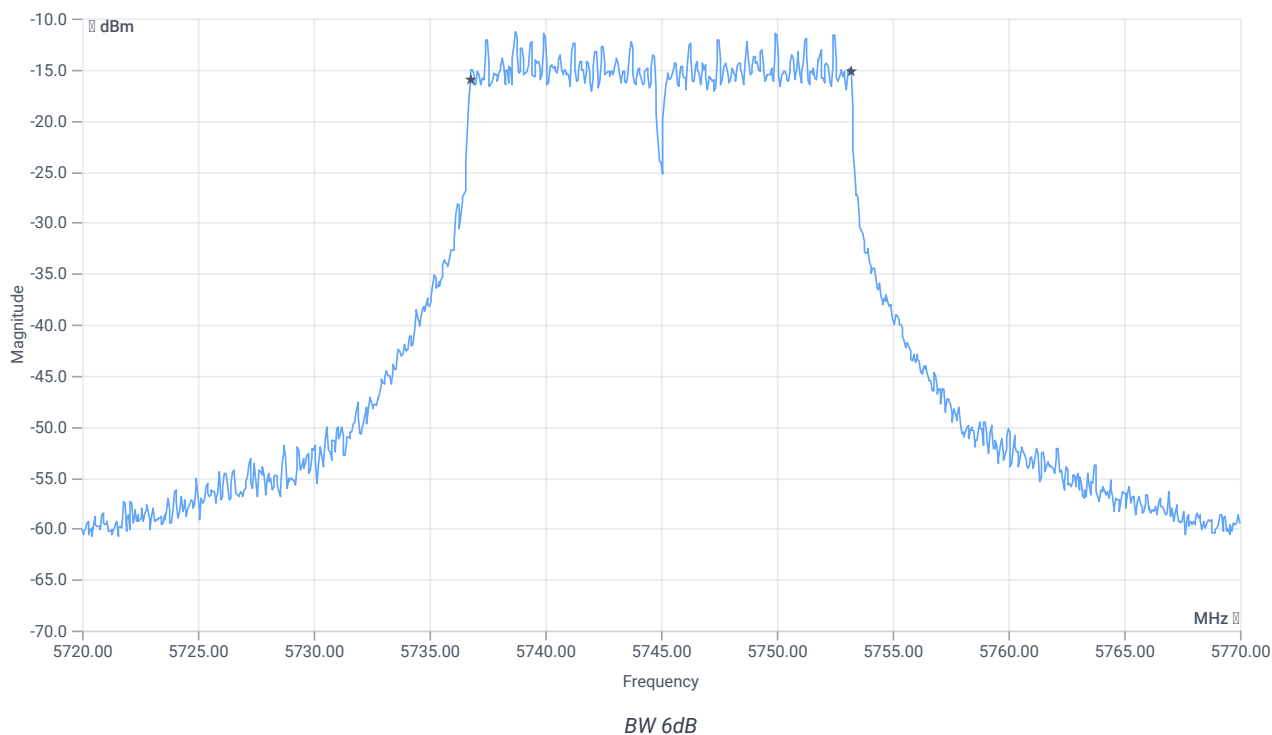
## Test at TX 5745 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -3.35    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5739.610 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 8.65   16.12   10     |
| Start [MHz]   Stop [MHz]                             | 5720.000   5770.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 16.45    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 19:21:12                                        |
| Ambit temp [°C]   humidity [rel%] | 24.8   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                               |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

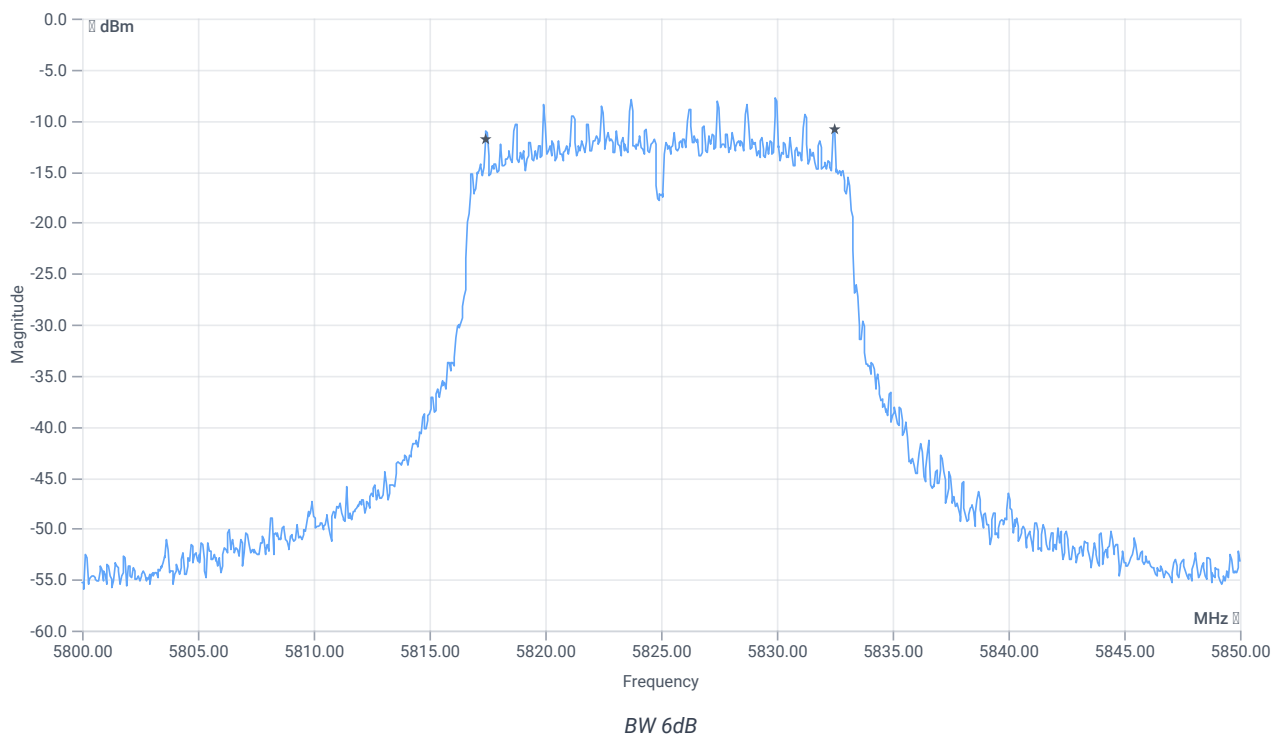
## Test at TX 5825 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.12    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5827.400 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.88   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5800.000   5850.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.1     | MHz  | PASS    |

Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 19:15:10                                        |
| Ambit temp [°C]   humidity [rel%] | 24.8   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                               |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | True   Freq [MHz] 5825                 |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

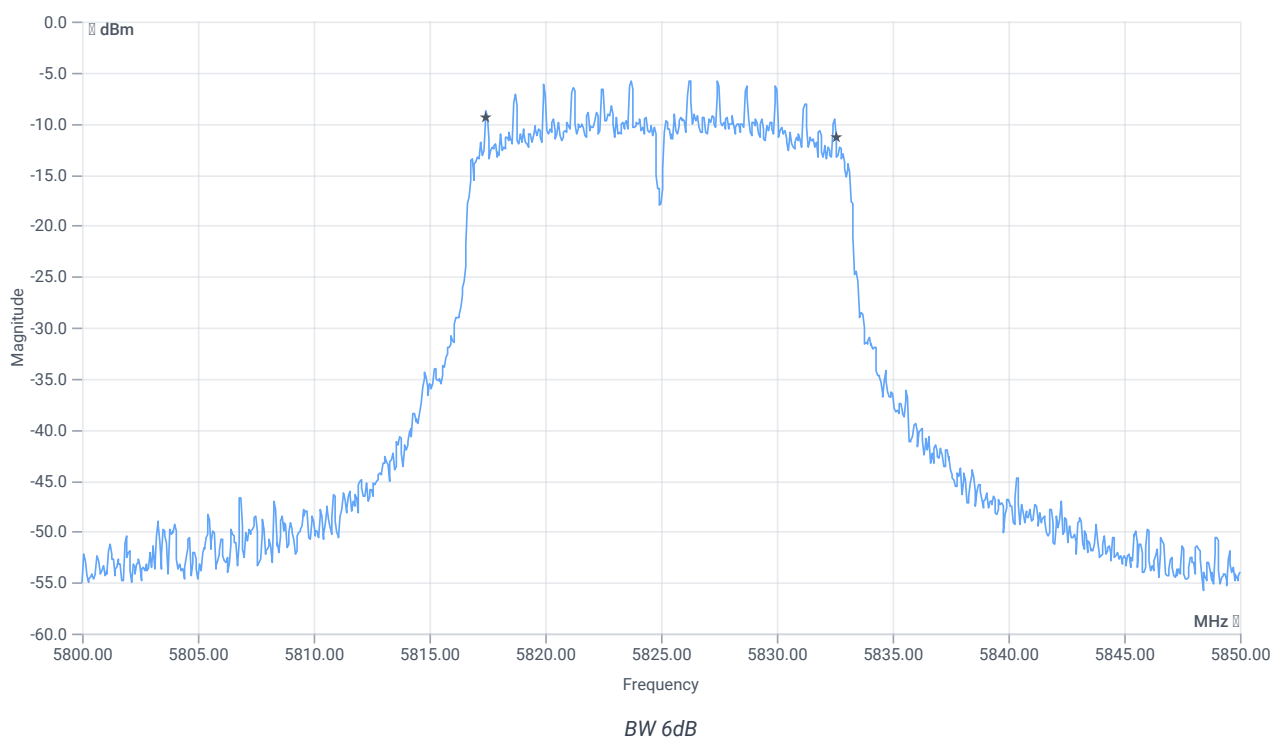
## Test at TX 5825 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.53     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5823.800 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.53   16.08   15    |
| Start [MHz]   Stop [MHz]                             | 5800.000   5850.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.15    | MHz  | PASS    |

#### Verdict

PASS



## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 19:03:39                                        |
| Ambit temp [°C]   humidity [rel%] | 25.0   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                               |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

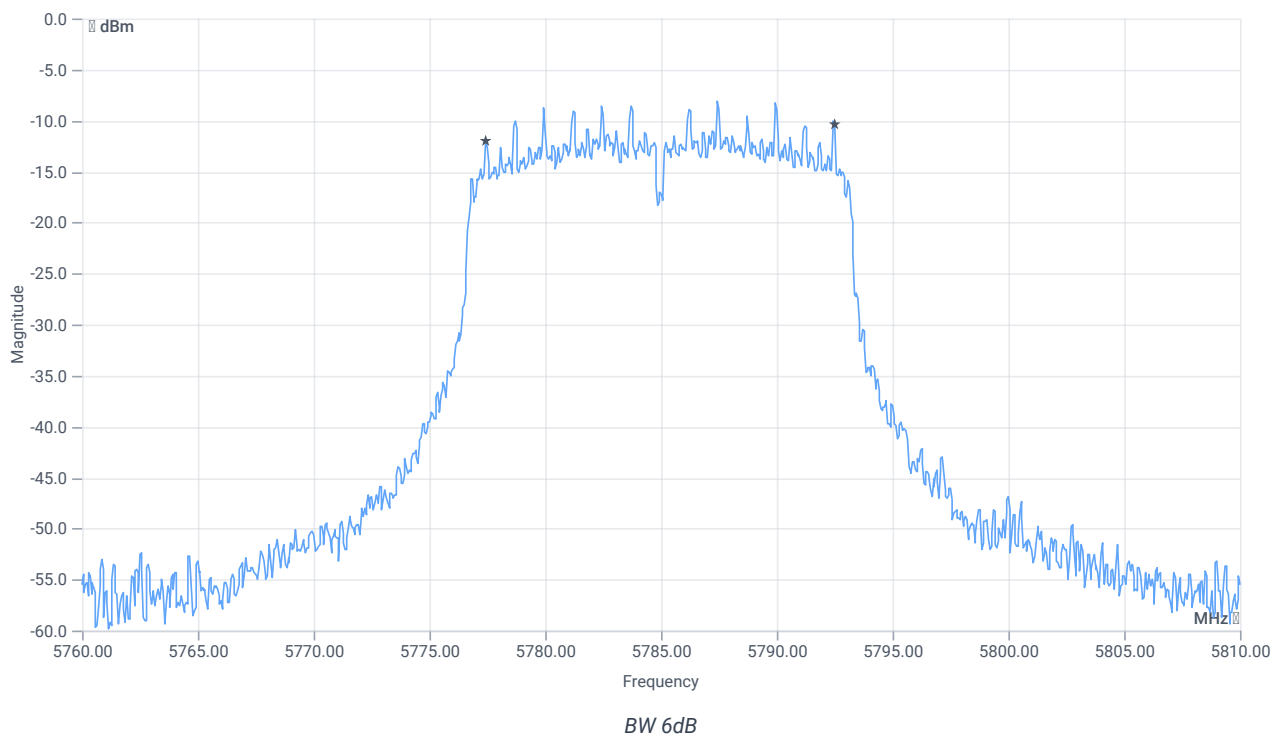
## Test at TX 5785 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -1.22    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5788.600 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 10.78   16.1   10     |
| Start [MHz]   Stop [MHz]                             | 5760.000   5810.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.1     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:57:31                                        |
| Ambit temp [°C]   humidity [rel%] | 25.1   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISSED RSS247   NI                              |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | False   Freq [MHz] 5745                |
| Frequency mid to test                            | True   Freq [MHz] 5785                 |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

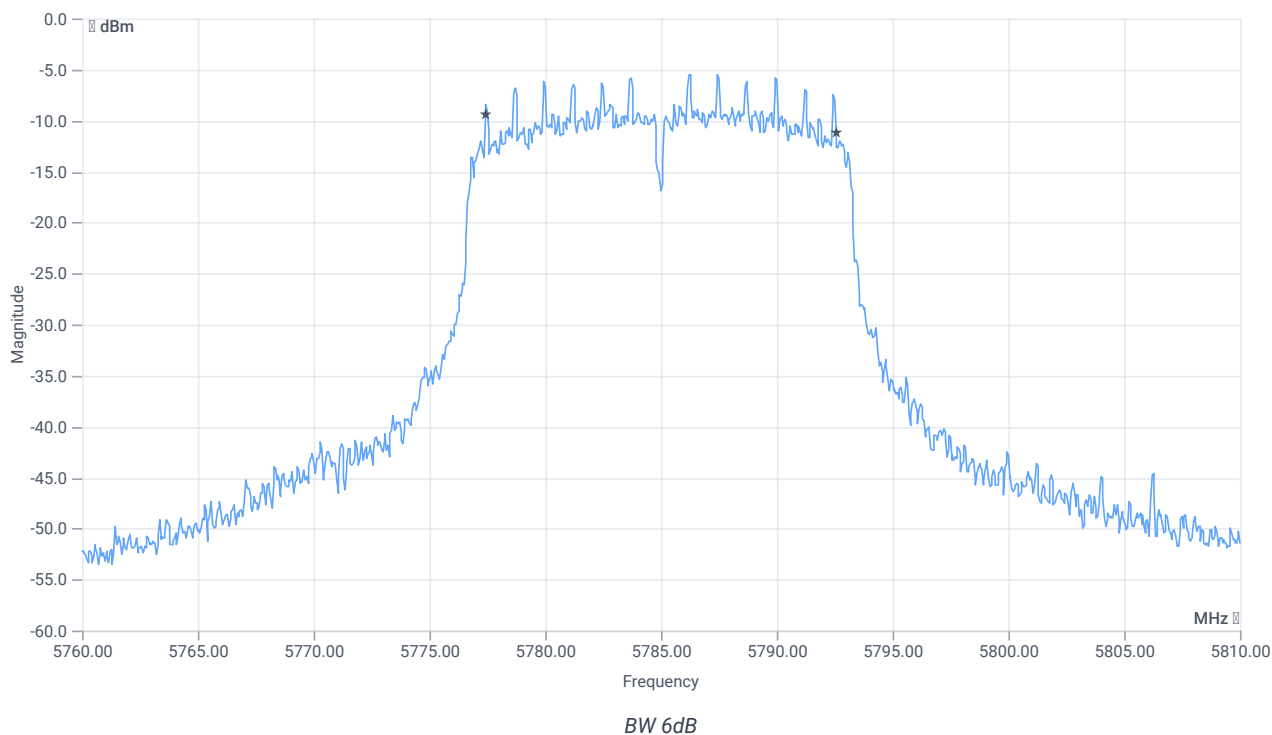
## Test at TX 5785 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | 1.81     | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5781.600 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 13.81   16.1   15     |
| Start [MHz]   Stop [MHz]                             | 5760.000   5810.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.15    | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:50:59                                        |
| Ambit temp [°C]   humidity [rel%] | 25.2   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                               |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 2                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

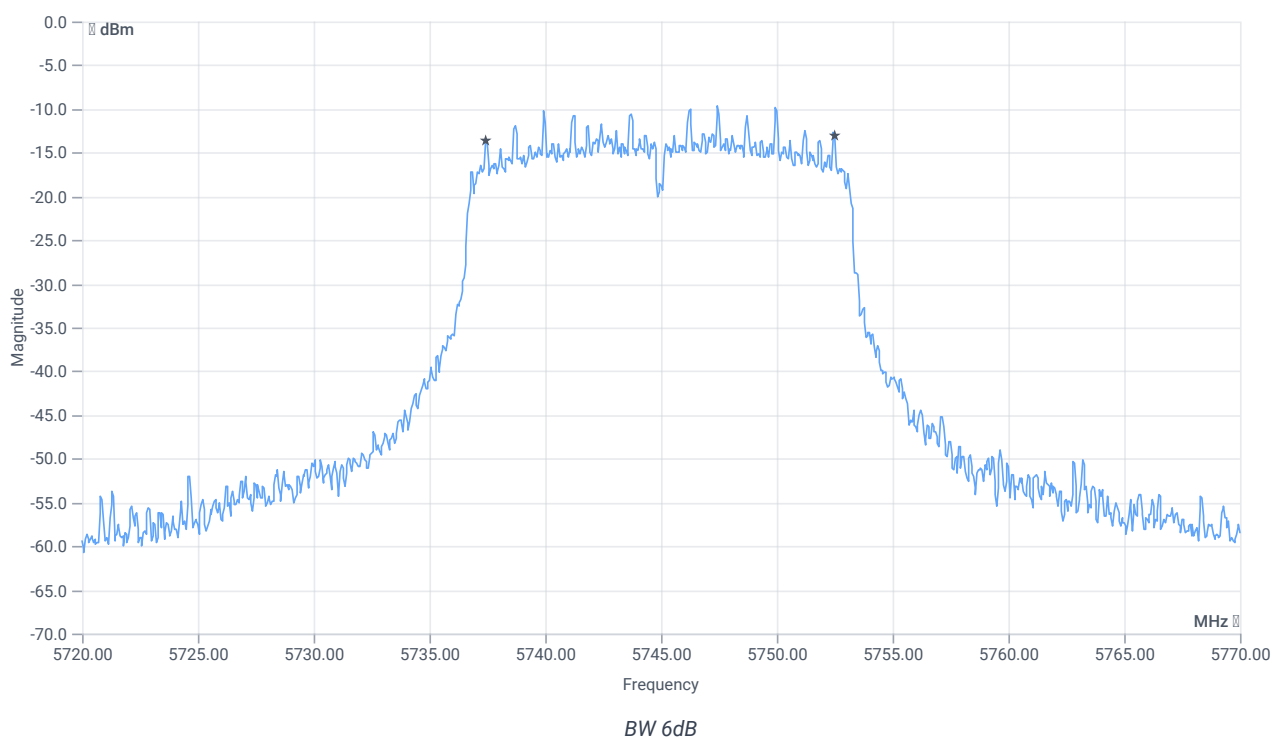
## Test at TX 5745 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -2.18    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5740.800 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 9.82   16.12   10     |
| Start [MHz]   Stop [MHz]                             | 5720.000   5770.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.1     | MHz  | PASS    |

#### Verdict

PASS

## FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a mode U-NII-3

### References

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| TC start                          | 16.10.2023 18:44:56                                        |
| Ambit temp [°C]   humidity [rel%] | 25.2   28                                                  |
| System version                    | 4.6.2.0                                                    |
| Standard   Version                | FCC 15.407, ISED RSS247   NI                               |
| Method                            | KDB789033 D02, C.2.                                        |
| Description                       | FCC 15.407 Min Emission Bandwidth - WLAN5Gx a mode U-NII-3 |
| Information                       |                                                            |

### EUT Common Settings WLAN5Gx

|                         |          |
|-------------------------|----------|
| Number of Antenna Ports | 2        |
| User Interaction        | No       |
| Device Class UNII_1     | Client   |
| Limit W52 Japan         | Standard |

### Test Parameter

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Technology to test                               | WLAN5Gx a mode                         |
| Antenna port used                                | 1                                      |
| Temperature                                      | nom                                    |
| Voltage                                          | nom                                    |
| Frequency low to test                            | True   Freq [MHz] 5745                 |
| Frequency mid to test                            | False   Freq [MHz] 5785                |
| Frequency high to test                           | False   Freq [MHz] 5825                |
| Auto control enabled power supply   Climatic Box | No   No                                |
| Additional path loss [dB]                        | 0.7                                    |
| Full path name   type                            | EUT - SignalingUnit - SpectrumAnalyzer |

### Equipment

|                                                               |
|---------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI            |

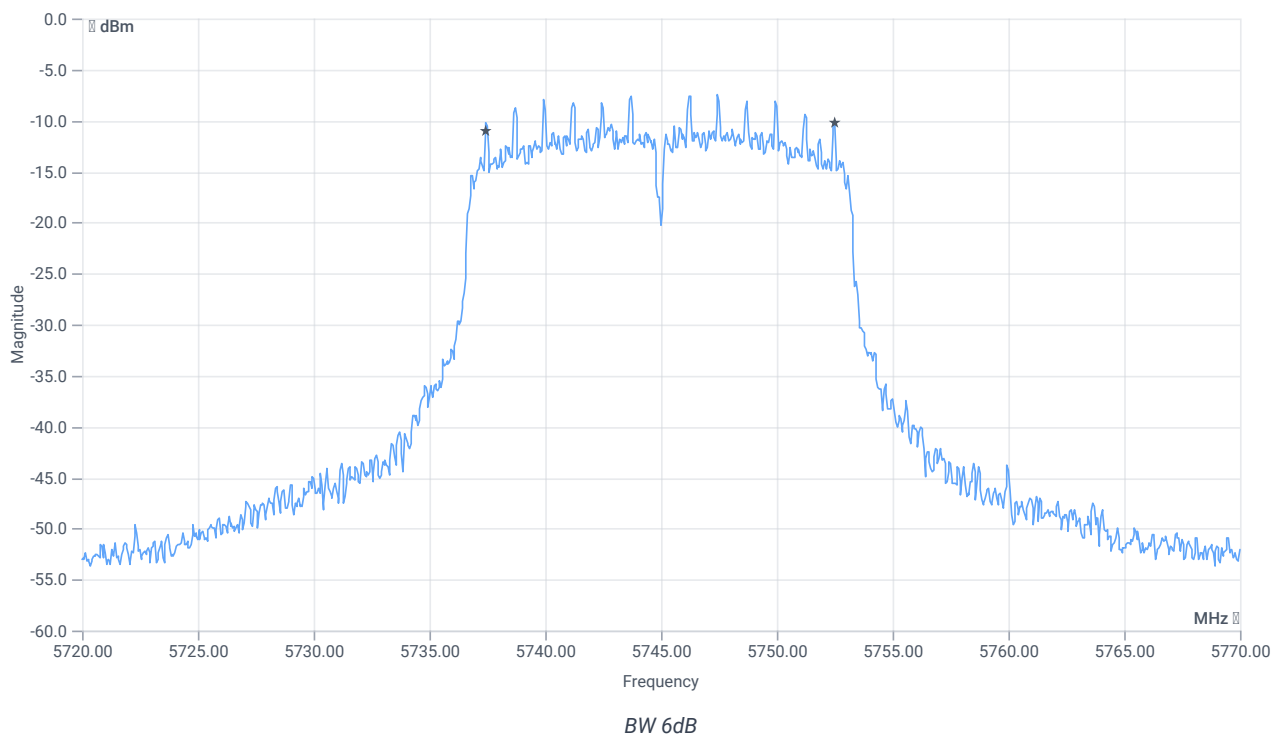
## Test at TX 5745 MHz

RESULT: Reference Power cond.

| DESCRIPTION                   | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power<br>1MHz/1MHz cond. | ---         | ---         | -0.14    | dBm  | INFO    |
| Ref. Frequency                | ---         | ---         | 5746.800 | MHz  | INFO    |

### READ SA SETTINGS:

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 11.86   16.12   15    |
| Start [MHz]   Stop [MHz]                             | 5720.000   5770.000   |
| RBW [MHz]   VBW [MHz]                                | 0.100000   0.300000   |
| Detector   TraceMode                                 | POS   MAXH            |
| Sweep: time [ms]   count   points per Section   type | 2   1500   1001   SWE |



### RESULT

| DESCRIPTION     | LOWER LIMIT | UPPER LIMIT | MEASURED | UNIT | VERDICT |
|-----------------|-------------|-------------|----------|------|---------|
| Bandwidth (6dB) | 0.500       | ---         | 15.1     | MHz  | PASS    |

#### Verdict

PASS



- END OF DOCUMENT -