

# Radiated test results

No.1-8968-24-01-12\_TR1-A201-R1

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May 21, 2025

Test Standard(s)

Systems FCC.ISED - NI

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Performed

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## Systems FCC.ISED # Frequency stability over temperature & voltage ~ RADAR 57000-64000 MHz

### References

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| TC start                                      | 20.05.2025 08:02:03                            |
| Ambit temp (test rack) [°C]   humidity [rel%] | not enabled   not enabled                      |
| System version                                | 6.0.0.0                                        |
| Standard   Version                            | Systems FCC.ISED   NI                          |
| Method                                        |                                                |
| Description                                   | Systems FCC ISED Freq stability over temp/volt |
| Information                                   |                                                |

### Equipment

|                                                                  |
|------------------------------------------------------------------|
| Signal analyzer,Rohde&Schwarz,FSW-67,1312.8000K67/104023,6.20SP1 |
| Climatic box,Voetsch,VT4002,04682,LAN                            |

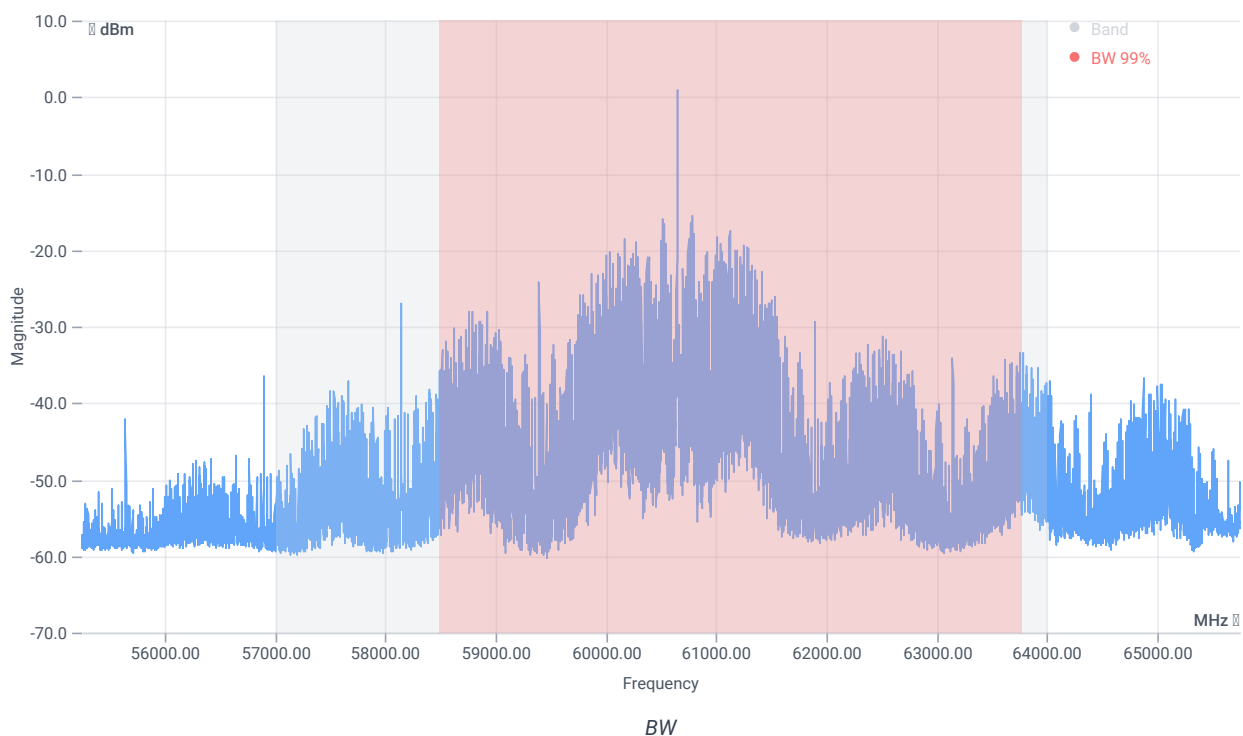
### Test Parameter

|                                                  |          |
|--------------------------------------------------|----------|
| EUT port                                         |          |
| Temperature                                      | var      |
| Voltage                                          | var      |
| Auto control enabled power supply   Climatic Box | No   Yes |
| Full path type                                   |          |
| Full path name                                   |          |
| Switch bits                                      |          |

Test for temperature[°C]: -20 | voltage [V]: 120

### READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



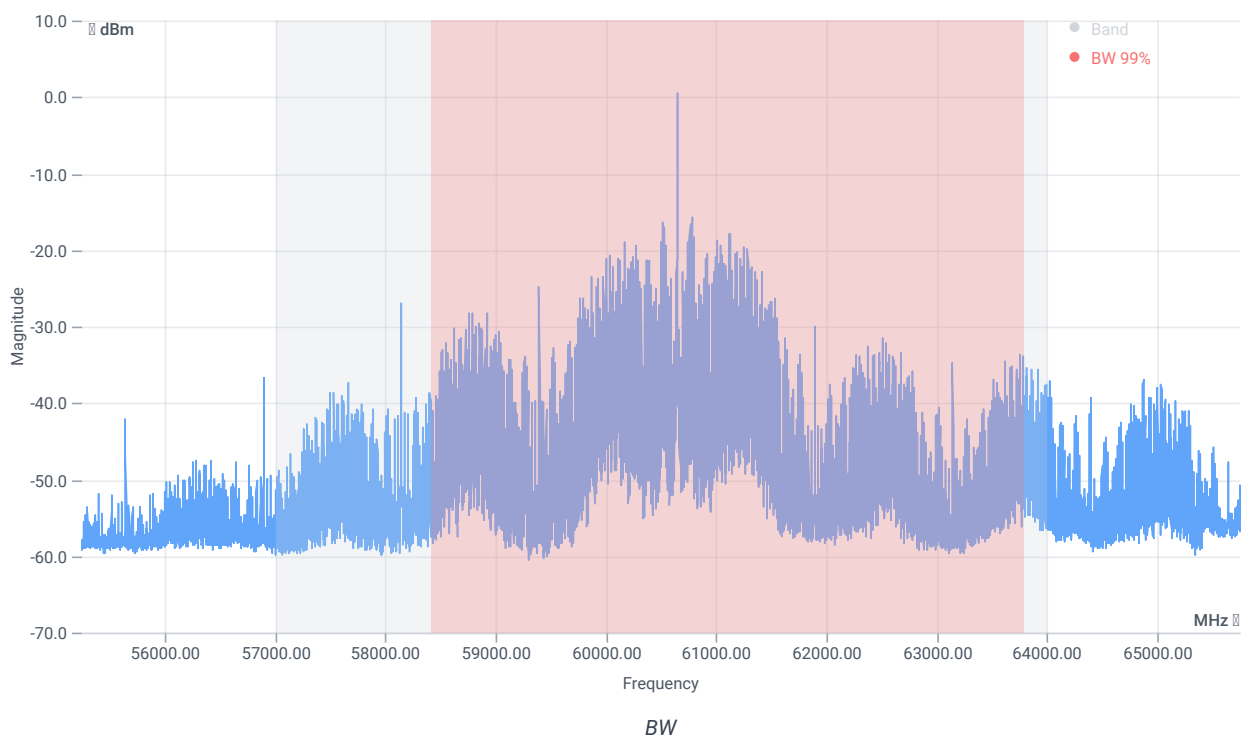
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5274.667   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58496.8186 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63771.4856 | MHz  | PASS    |

Test for temperature[°C]: -10 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



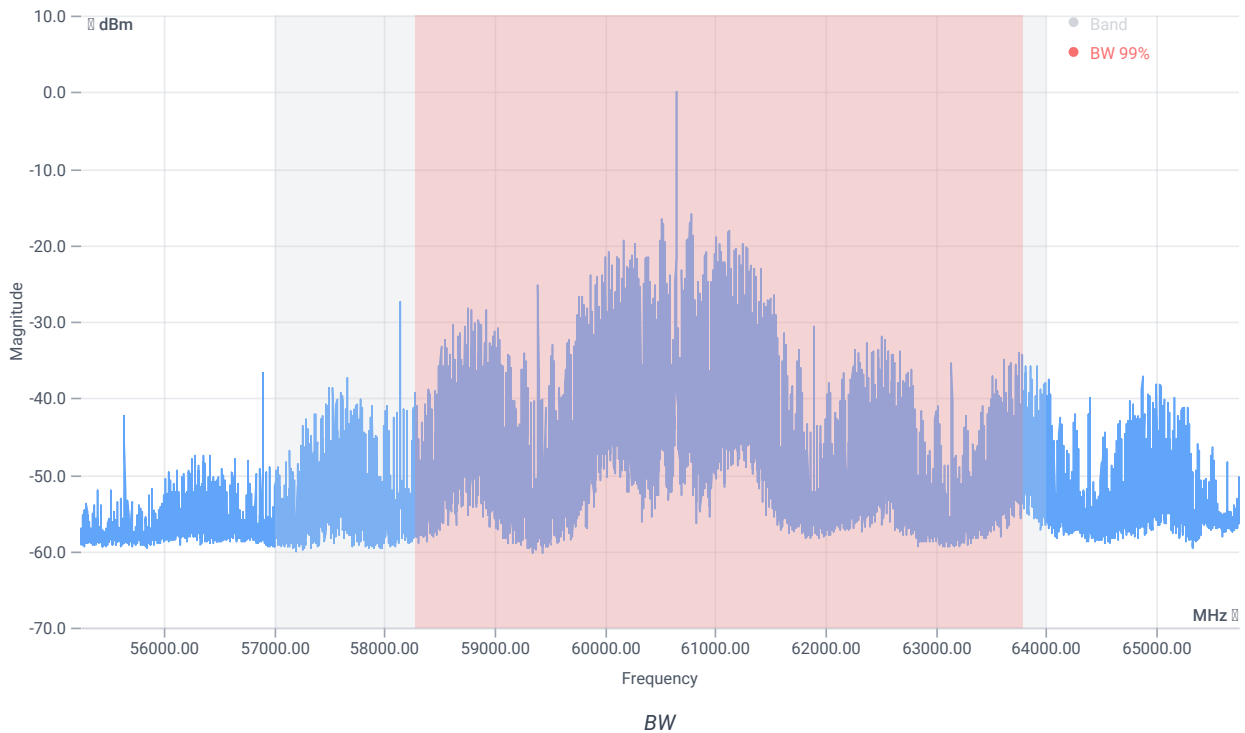
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5367.265   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58419.8411 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63787.1057 | MHz  | PASS    |

Test for temperature[°C]: 0 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



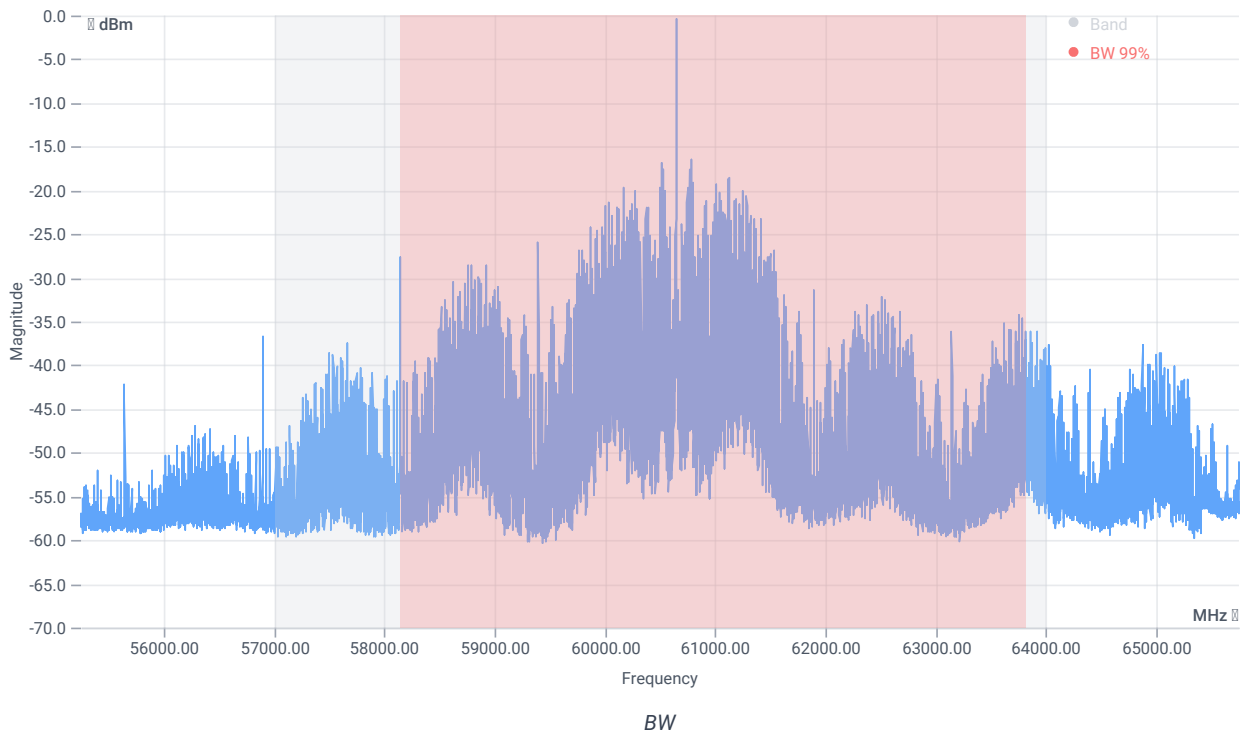
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5506.801   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58280.6186 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63787.4194 | MHz  | PASS    |

Test for temperature[°C]: 10 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



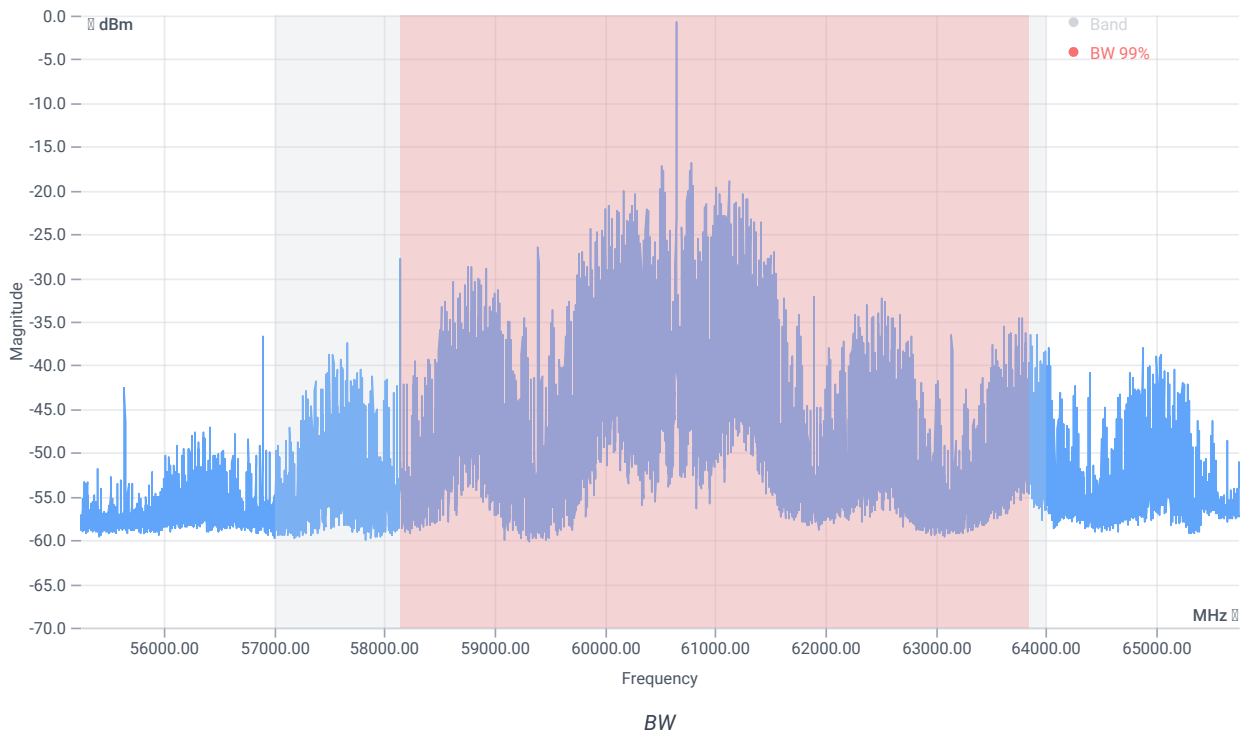
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5669.262   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58148.5140 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63817.7763 | MHz  | PASS    |

Test for temperature[°C]: 20 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



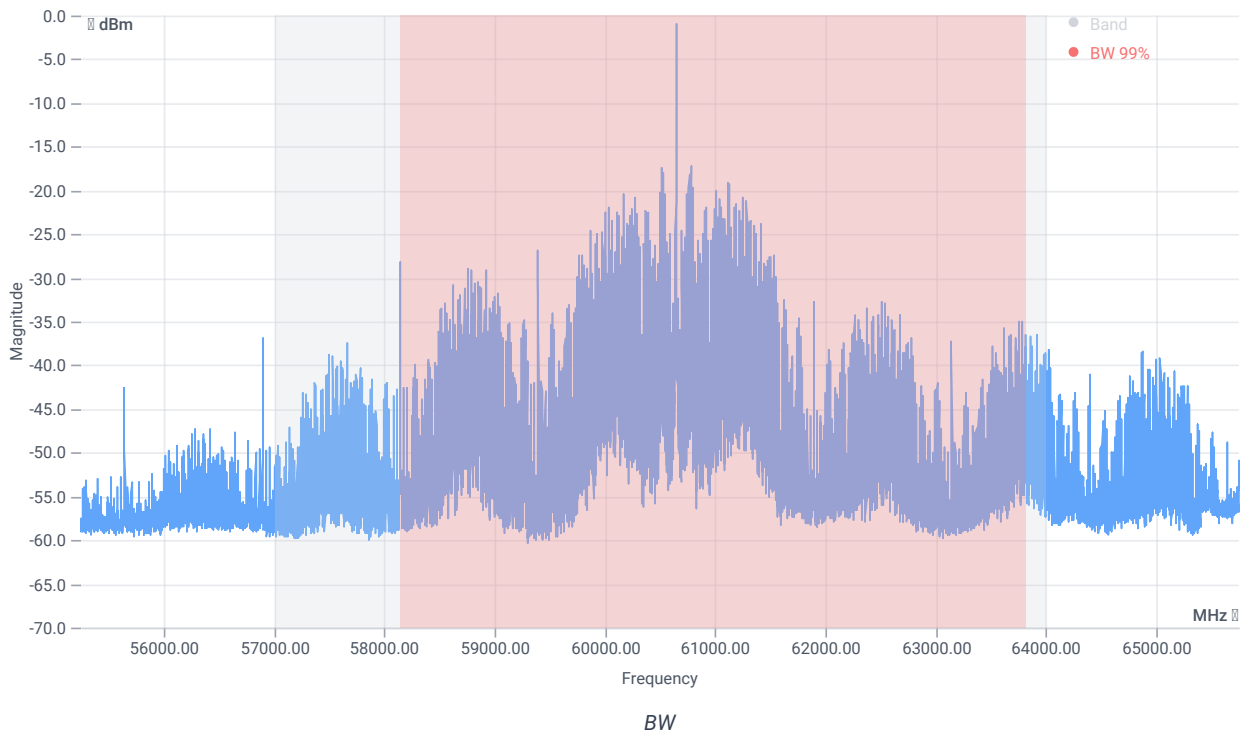
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5703.317   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58146.8962 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63850.2130 | MHz  | PASS    |

Test for temperature[°C]: 30 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



## RESULT

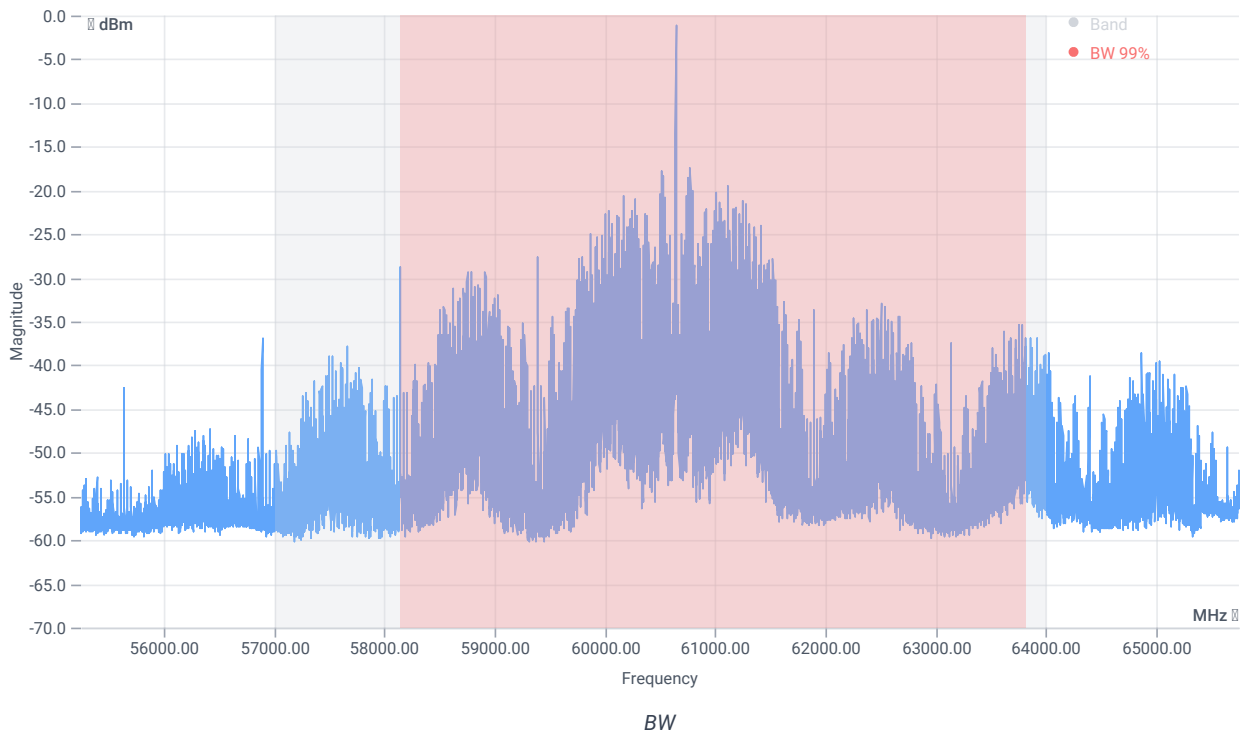
| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5667.044   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58146.8747 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63813.9184 | MHz  | PASS    |

Test for temperature[°C]: 40 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |





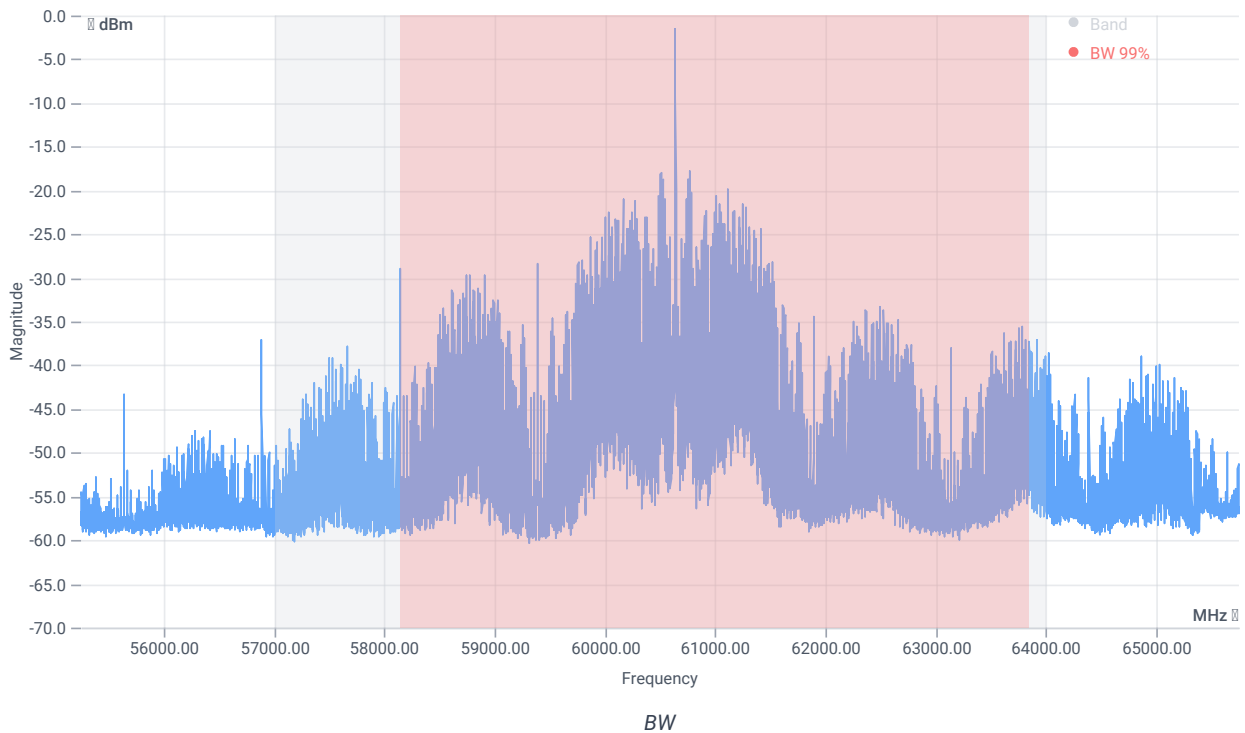
## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5673.259   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58143.7951 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63817.0539 | MHz  | PASS    |

Test for temperature[°C]: 50 | voltage [V]: 120

## READ SA SETTINGS:

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]   | 0.00   0   0            |
| Start [MHz]   Stop [MHz]                             | 55250.000   65750.000   |
| RBW [MHz]   VBW [MHz]                                | 1.000000   3.000000     |
| Detector   TraceMode                                 | POS   MAXH              |
| Sweep: time [ms]   count   points per Section   type | 21000   1   10501   SWE |



## RESULT

| DESCRIPTION   | LOWER LIMIT | UPPER LIMIT | MEASURED   | UNIT | VERDICT |
|---------------|-------------|-------------|------------|------|---------|
| Bandwidth 99% | ---         | ---         | 5713.141   | MHz  | INFO    |
| T1 99%        | 57000       | ---         | 58138.7289 | MHz  | PASS    |
| T2 99%        | ---         | 64000       | 63851.8699 | MHz  | PASS    |

## Verdict

PASS

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