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## 1 Conducted output power for EN-DC

| Band   | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Power<br>(dBm) | Low<br>Limit<br>(dBm) | high<br>Limit<br>(dBm) | Verdict |
|--------|--------------|--------------------|---------------|------------------|------------|----------------|-----------------------|------------------------|---------|
| Band66 | 30           | 5                  | 131997        | 1@0              | QPSK       | 20.72          |                       |                        |         |
| n38    | 30           | 10                 | 515000        | 1@0              | DFT_BPSK   | 18.30          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.68          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132322        | 8@0              | QPSK       | 20.62          |                       |                        |         |
| n38    | 30           | 10                 | 519000        | 12@6             | DFT_BPSK   | 18.35          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.64          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132322        | 8@0              | QPSK       | 20.66          |                       |                        |         |
| n38    | 30           | 10                 | 519000        | 12@6             | DFT_QPSK   | 18.31          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.65          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132647        | 1@17             | QPSK       | 20.75          |                       |                        |         |
| n38    | 30           | 10                 | 523000        | 1@23             | DFT_BPSK   | 19.33          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.10          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132647        | 8@17             | QPSK       | 20.64          |                       |                        |         |
| n38    | 30           | 10                 | 523000        | 12@6             | DFT_BPSK   | 19.19          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.98          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132647        | 1@17             | QPSK       | 21.06          |                       |                        |         |
| n38    | 30           | 10                 | 523000        | 1@23             | DFT_QPSK   | 19.27          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.26          | 19                    | 26                     | PASS    |
| Band66 | 30           | 5                  | 132647        | 8@17             | QPSK       | 20.62          |                       |                        |         |
| n38    | 30           | 10                 | 523000        | 12@6             | DFT_QPSK   | 19.14          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.95          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132072        | 1@0              | QPSK       | 20.42          |                       |                        |         |
| n38    | 30           | 20                 | 516000        | 1@0              | DFT_BPSK   | 19.23          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 22.87          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132322        | 18@0             | QPSK       | 20.61          |                       |                        |         |
| n38    | 30           | 20                 | 519000        | 25@12            | DFT_BPSK   | 19.49          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.09          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132322        | 18@0             | QPSK       | 20.61          |                       |                        |         |
| n38    | 30           | 20                 | 519000        | 25@12            | DFT_QPSK   | 19.50          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.10          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132572        | 1@72             | QPSK       | 20.89          |                       |                        |         |
| n38    | 30           | 20                 | 522000        | 1@50             | DFT_BPSK   | 19.35          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.19          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132572        | 18@72            | QPSK       | 20.63          |                       |                        |         |
| n38    | 30           | 20                 | 522000        | 25@12            | DFT_BPSK   | 19.57          |                       |                        |         |
| Sum    | 30           |                    |               |                  |            | 23.14          | 19                    | 26                     | PASS    |
| Band66 | 30           | 20                 | 132572        | 1@72             | QPSK       | 21.00          |                       |                        |         |
| n38    | 30           | 20                 | 522000        | 1@50             | DFT_QPSK   | 19.36          |                       |                        |         |

|        |    |    |        |       |          |       |    |    |      |
|--------|----|----|--------|-------|----------|-------|----|----|------|
| Sum    | 30 |    |        |       |          | 23.26 | 19 | 26 | PASS |
| Band66 | 30 | 20 | 132572 | 18@72 | QPSK     | 20.61 |    |    |      |
| n38    | 30 | 20 | 522000 | 25@12 | DFT_QPSK | 19.50 |    |    |      |
| Sum    | 30 |    |        |       |          | 23.10 | 19 | 26 | PASS |

## 2 Frequency stability for EN-DC

| Band | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Result(Hz) | Result<br>(ppm) | Low<br>Limit<br>(ppm) | high<br>Limit<br>(ppm) | Verdict |
|------|--------------|--------------------|---------------|------------------|------------|------------|-----------------|-----------------------|------------------------|---------|
| n38  | 30           | 10                 | 515000        | 12@6             | DFT_BPSK   | -3.70      | -0.00144        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 515000        | 1@1              | DFT_BPSK   | -1.26      | -0.00049        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 515000        | 1@22             | DFT_BPSK   | -4.51      | -0.00175        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 515000        | 12@6             | DFT_QPSK   | -2.58      | -0.00100        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 515000        | 1@1              | DFT_QPSK   | -2.19      | -0.00085        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 515000        | 1@22             | DFT_QPSK   | 1.72       | 0.00067         | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 12@6             | DFT_BPSK   | -1.47      | -0.00057        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 1@1              | DFT_BPSK   | -1.38      | -0.00053        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 1@22             | DFT_BPSK   | 0.16       | 0.00006         | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 12@6             | DFT_QPSK   | 0.39       | 0.00015         | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 1@1              | DFT_QPSK   | -3.70      | -0.00143        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 519000        | 1@22             | DFT_QPSK   | -2.98      | -0.00115        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 12@6             | DFT_BPSK   | -0.94      | -0.00036        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 1@1              | DFT_BPSK   | -0.77      | -0.00029        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 1@22             | DFT_BPSK   | -0.66      | -0.00025        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 12@6             | DFT_QPSK   | -4.07      | -0.00156        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 1@1              | DFT_QPSK   | -5.44      | -0.00208        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 10                 | 523000        | 1@22             | DFT_QPSK   | -7.74      | -0.00296        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 18@9             | DFT_BPSK   | -2.74      | -0.00106        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 1@1              | DFT_BPSK   | -1.97      | -0.00076        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 1@36             | DFT_BPSK   | -2.25      | -0.00087        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 18@9             | DFT_QPSK   | -1.56      | -0.00061        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 1@1              | DFT_QPSK   | -1.87      | -0.00073        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 515500        | 1@36             | DFT_QPSK   | -0.18      | -0.00007        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 18@9             | DFT_BPSK   | -4.09      | -0.00158        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 1@1              | DFT_BPSK   | -4.59      | -0.00177        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 1@36             | DFT_BPSK   | -3.16      | -0.00122        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 18@9             | DFT_QPSK   | -4.04      | -0.00156        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 1@1              | DFT_QPSK   | -2.93      | -0.00113        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 519000        | 1@36             | DFT_QPSK   | -4.50      | -0.00173        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 18@9             | DFT_BPSK   | -2.01      | -0.00077        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 1@1              | DFT_BPSK   | -4.72      | -0.00181        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 1@36             | DFT_BPSK   | -0.72      | -0.00028        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 18@9             | DFT_QPSK   | -0.76      | -0.00029        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 1@1              | DFT_QPSK   | -4.73      | -0.00181        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 15                 | 522500        | 1@36             | DFT_QPSK   | -2.24      | -0.00086        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 20                 | 516000        | 25@12            | DFT_BPSK   | 0.62       | 0.00024         | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 20                 | 516000        | 1@1              | DFT_BPSK   | -0.23      | -0.00009        | -2.5                  | 2.5                    | PASS    |
| n38  | 30           | 20                 | 516000        | 1@49             | DFT_BPSK   | -2.15      | -0.00083        | -2.5                  | 2.5                    | PASS    |

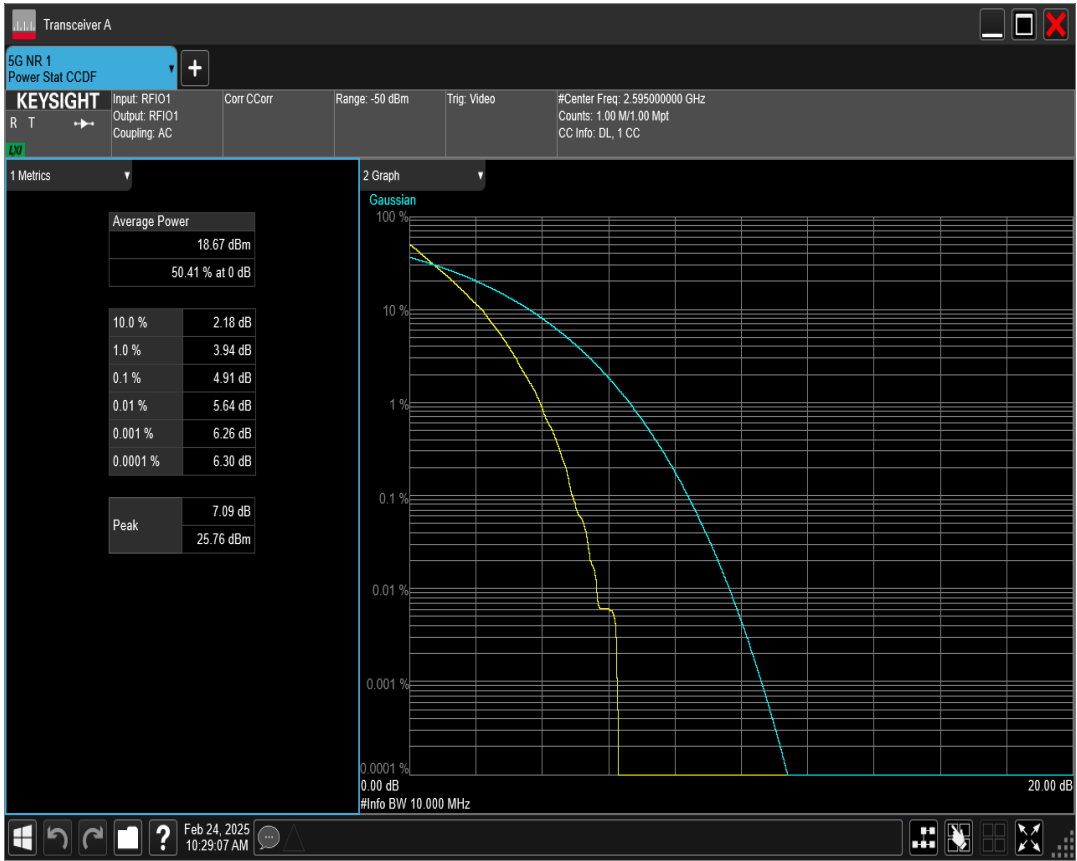
|     |    |    |        |       |          |       |          |      |     |      |
|-----|----|----|--------|-------|----------|-------|----------|------|-----|------|
| n38 | 30 | 20 | 516000 | 25@12 | DFT_QPSK | -1.17 | -0.00045 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 516000 | 1@1   | DFT_QPSK | -4.92 | -0.00191 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 516000 | 1@49  | DFT_QPSK | -5.91 | -0.00229 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 25@12 | DFT_BPSK | -2.83 | -0.00109 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 1@1   | DFT_BPSK | -1.70 | -0.00066 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 1@49  | DFT_BPSK | -1.93 | -0.00074 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 25@12 | DFT_QPSK | -0.44 | -0.00017 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 1@1   | DFT_QPSK | -5.18 | -0.00200 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 519000 | 1@49  | DFT_QPSK | -4.83 | -0.00186 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 25@12 | DFT_BPSK | -4.00 | -0.00153 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 1@1   | DFT_BPSK | -1.07 | -0.00041 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 1@49  | DFT_BPSK | -1.85 | -0.00071 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 25@12 | DFT_QPSK | -5.29 | -0.00203 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 1@1   | DFT_QPSK | -3.70 | -0.00142 | -2.5 | 2.5 | PASS |
| n38 | 30 | 20 | 522000 | 1@49  | DFT_QPSK | -3.22 | -0.00123 | -2.5 | 2.5 | PASS |

### 3 Peak-to-Average Ratio for EN-DC

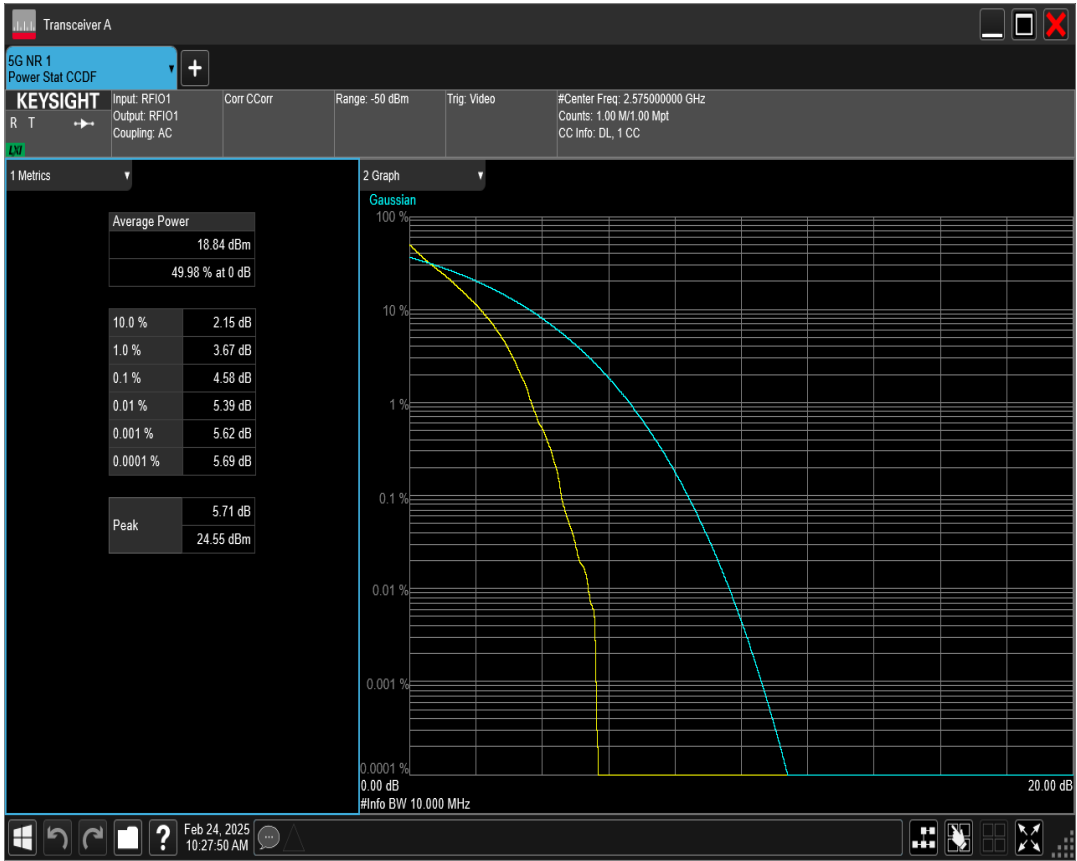
| <i>Band</i> | <i>SCS<br/>(kHz)</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Allocation</i> | <i>Modulation</i> | <i>Result<br/>(dB)</i> | <i>high<br/>Limit<br/>(dB)</i> | <i>Verdict</i> |
|-------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|------------------------|--------------------------------|----------------|
| n38         | 30                   | 10                         | 515000                | 24@0                     | DFT_BPSK          | 4.58                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 515000                | 24@0                     | DFT_QPSK          | 5.76                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 515000                | 24@0                     | DFT_QAM16         | 7.19                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 515000                | 24@0                     | DFT_QAM64         | 7.08                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 515000                | 24@0                     | DFT_QAM256        | 7.05                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 519000                | 24@0                     | DFT_BPSK          | 4.91                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 519000                | 24@0                     | DFT_QPSK          | 5.99                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 519000                | 24@0                     | DFT_QAM16         | 6.89                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 519000                | 24@0                     | DFT_QAM64         | 7.17                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 519000                | 24@0                     | DFT_QAM256        | 7.02                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | DFT_BPSK          | 5.88                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | DFT_QPSK          | 6.58                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | DFT_QAM16         | 7.05                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | DFT_QAM64         | 7.07                   | 13                             | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | DFT_QAM256        | 6.98                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 515500                | 36@0                     | DFT_BPSK          | 4.81                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 515500                | 36@0                     | DFT_QPSK          | 5.93                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 515500                | 36@0                     | DFT_QAM16         | 7.29                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 515500                | 36@0                     | DFT_QAM64         | 7.02                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 515500                | 36@0                     | DFT_QAM256        | 6.99                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 519000                | 36@0                     | DFT_BPSK          | 4.74                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 519000                | 36@0                     | DFT_QPSK          | 6.06                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 519000                | 36@0                     | DFT_QAM16         | 6.81                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 519000                | 36@0                     | DFT_QAM64         | 6.94                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 519000                | 36@0                     | DFT_QAM256        | 7.19                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 522500                | 36@0                     | DFT_BPSK          | 5.11                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 522500                | 36@0                     | DFT_QPSK          | 6.50                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 522500                | 36@0                     | DFT_QAM16         | 7.15                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 522500                | 36@0                     | DFT_QAM64         | 7.02                   | 13                             | PASS           |
| n38         | 30                   | 15                         | 522500                | 36@0                     | DFT_QAM256        | 7.13                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 516000                | 50@0                     | DFT_BPSK          | 4.79                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 516000                | 50@0                     | DFT_QPSK          | 5.97                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 516000                | 50@0                     | DFT_QAM16         | 6.96                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 516000                | 50@0                     | DFT_QAM64         | 7.08                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 516000                | 50@0                     | DFT_QAM256        | 7.01                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 519000                | 50@0                     | DFT_BPSK          | 4.90                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 519000                | 50@0                     | DFT_QPSK          | 6.08                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 519000                | 50@0                     | DFT_QAM16         | 6.67                   | 13                             | PASS           |
| n38         | 30                   | 20                         | 519000                | 50@0                     | DFT_QAM64         | 7.29                   | 13                             | PASS           |

|     |    |    |        |      |            |      |    |      |
|-----|----|----|--------|------|------------|------|----|------|
| n38 | 30 | 20 | 519000 | 50@0 | DFT_QAM256 | 6.75 | 13 | PASS |
| n38 | 30 | 20 | 522000 | 50@0 | DFT_BPSK   | 5.87 | 13 | PASS |
| n38 | 30 | 20 | 522000 | 50@0 | DFT_QPSK   | 6.13 | 13 | PASS |
| n38 | 30 | 20 | 522000 | 50@0 | DFT_QAM16  | 7.04 | 13 | PASS |
| n38 | 30 | 20 | 522000 | 50@0 | DFT_QAM64  | 7.05 | 13 | PASS |
| n38 | 30 | 20 | 522000 | 50@0 | DFT_QAM256 | 7.15 | 13 | PASS |

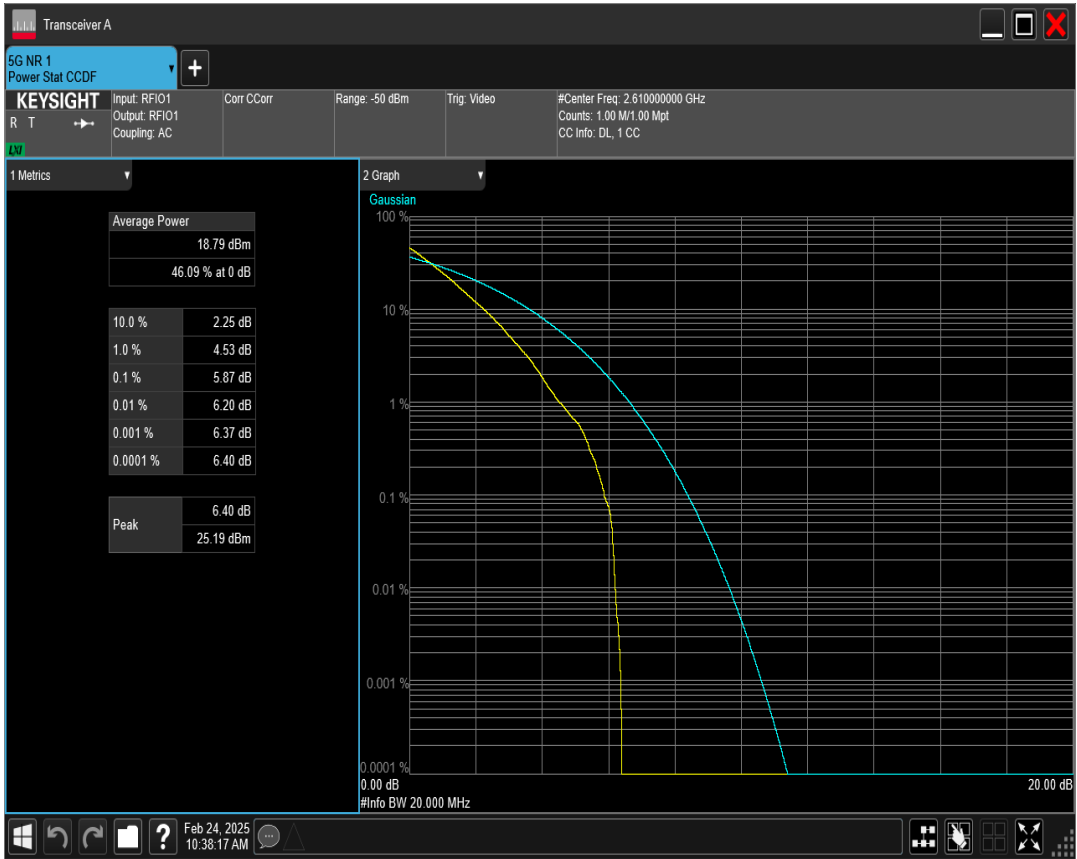
n38 SCS=30kHz DFT\_BPSK BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT\_BPSK BW=10MHz Channel=515000 RB=24@0

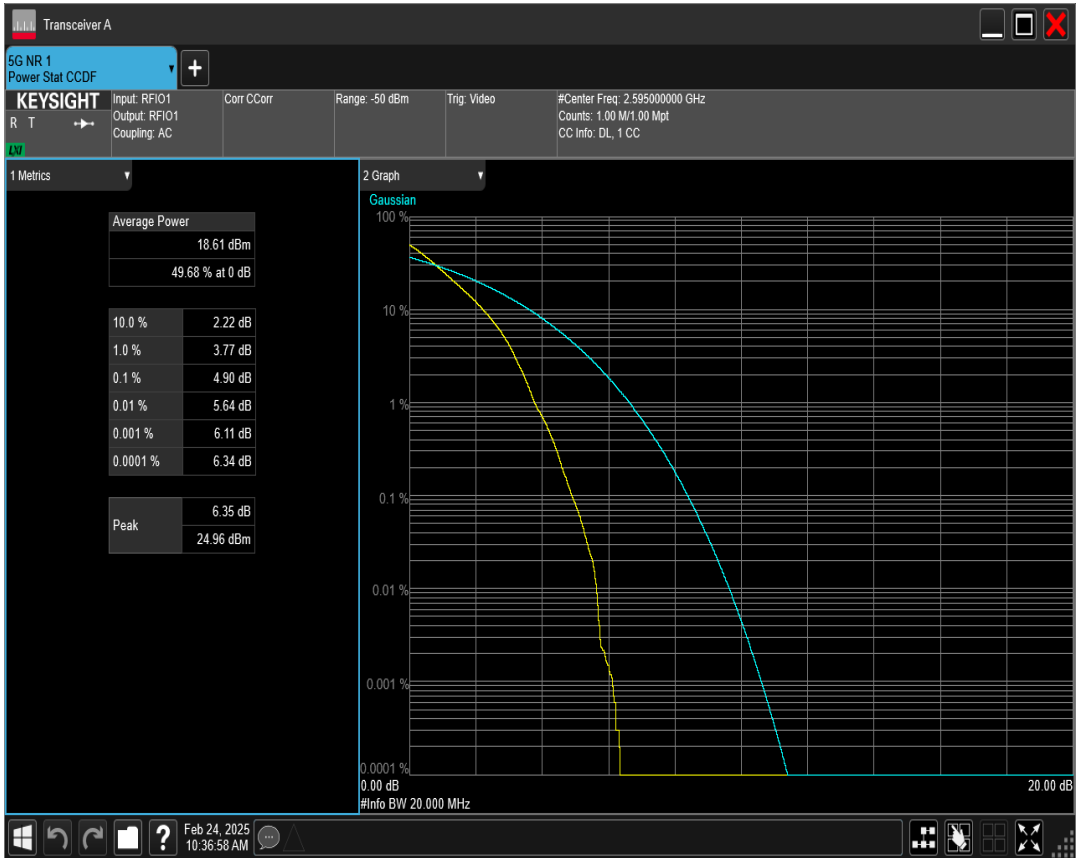


*n38 SCS=30kHz DFT\_BPSK BW=20MHz Channel=522000 RB=50@0*

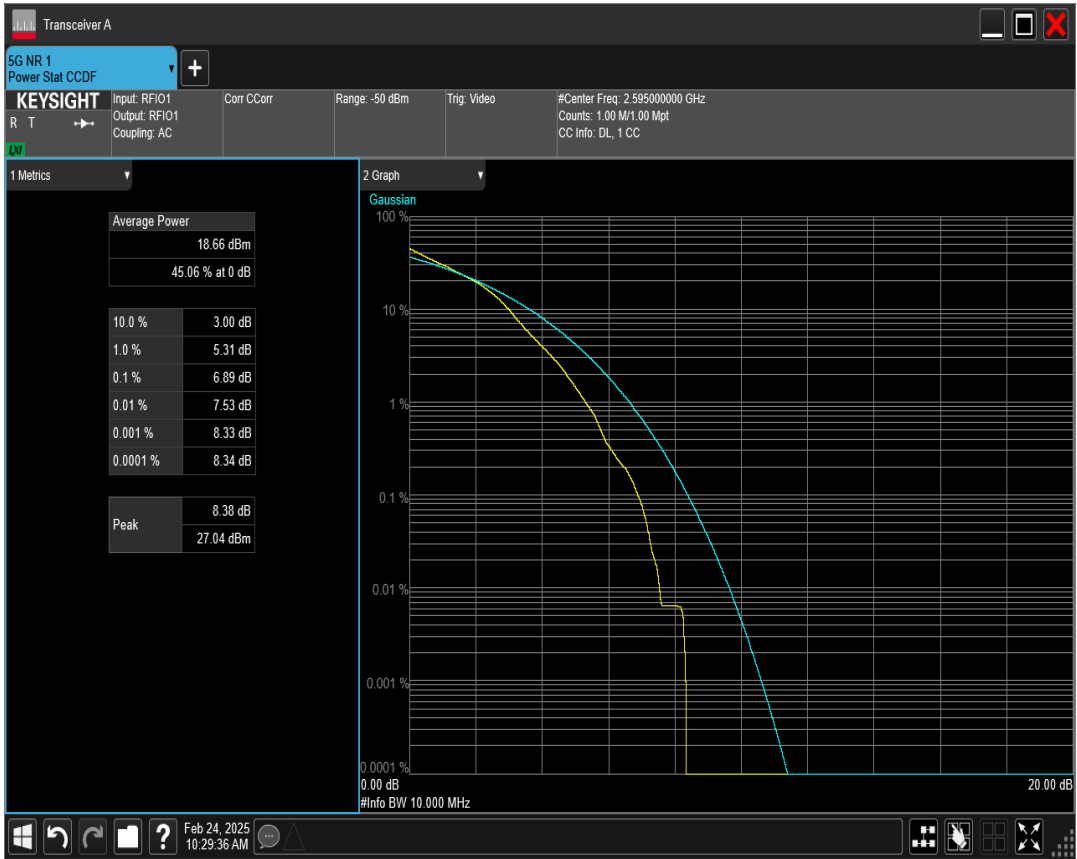


*n38 SCS=30kHz DFT\_BPSK BW=20MHz Channel=519000 RB=50@0*

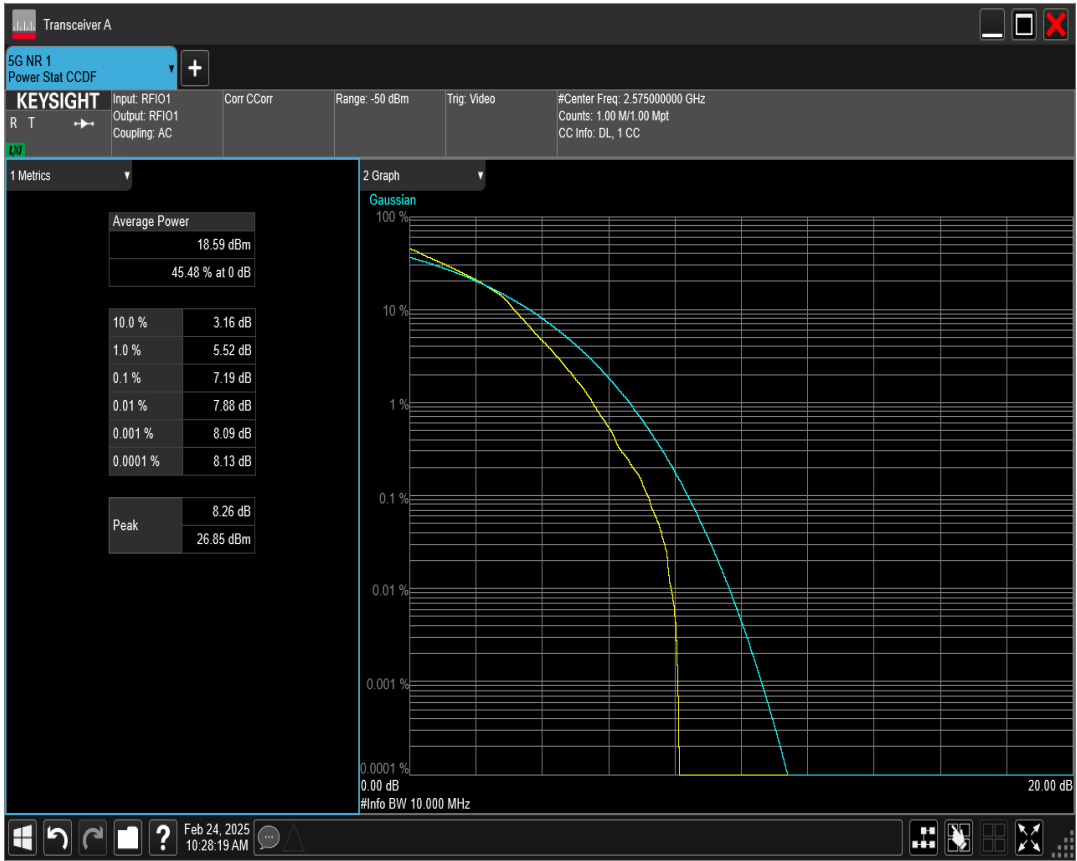




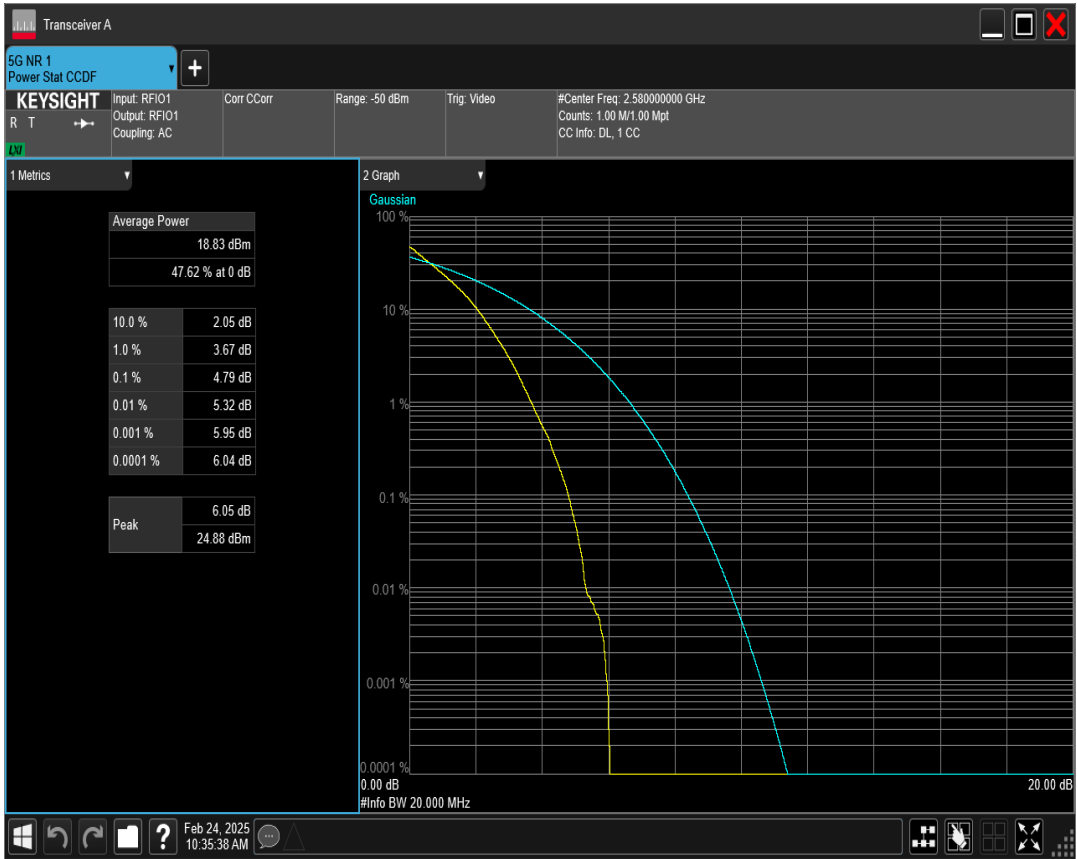
*n38 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=519000 RB=24@0*



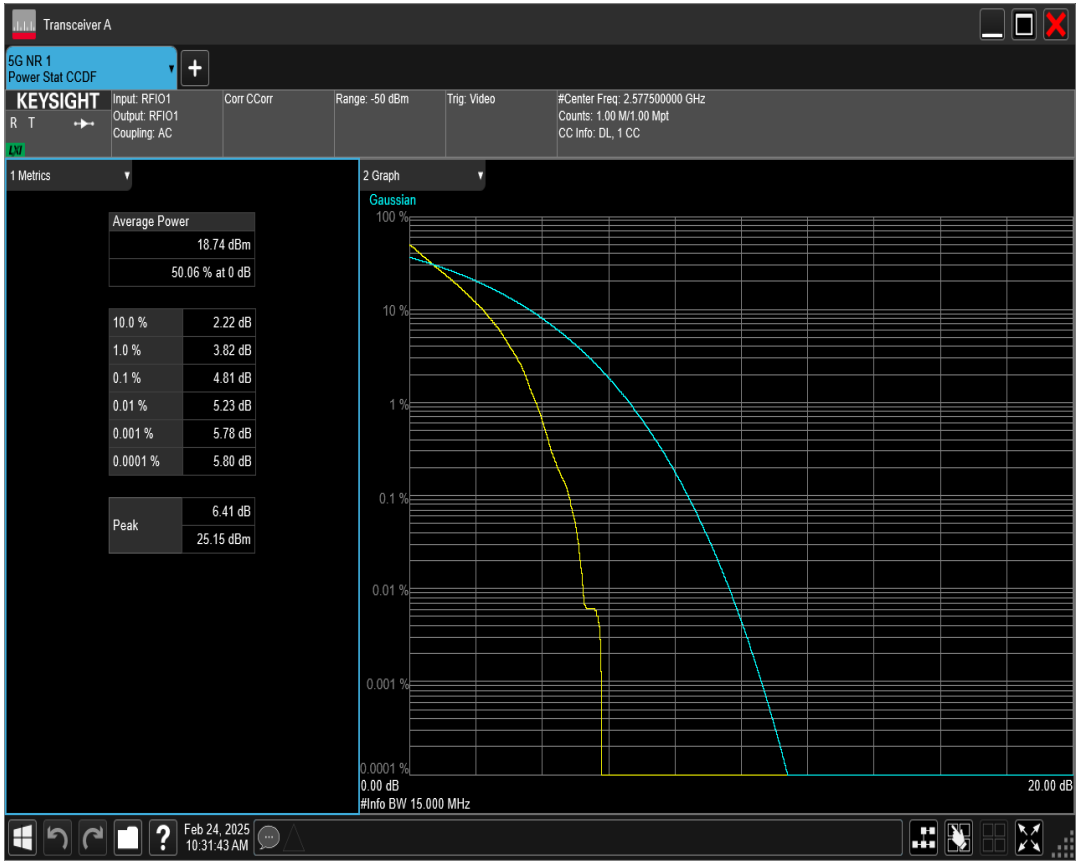
*n38 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=515000 RB=24@0*



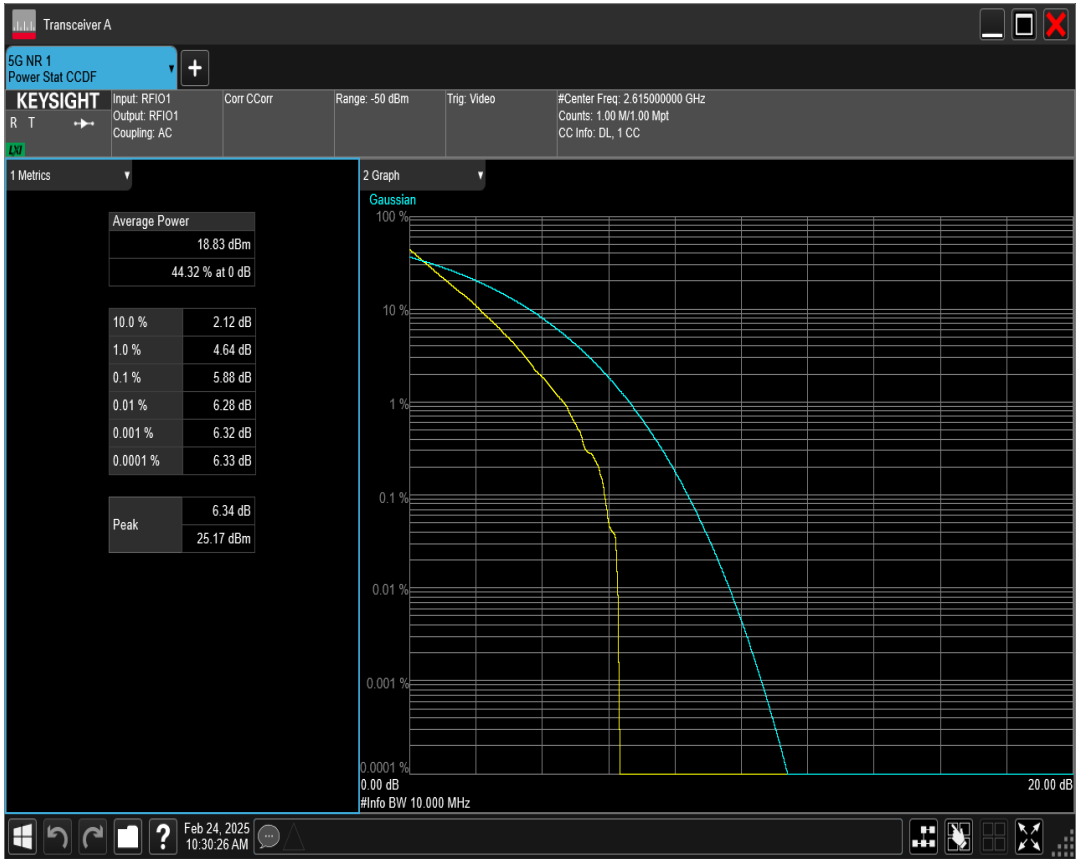
*n38 SCS=30kHz DFT\_BPSK BW=20MHz Channel=516000 RB=50@0*



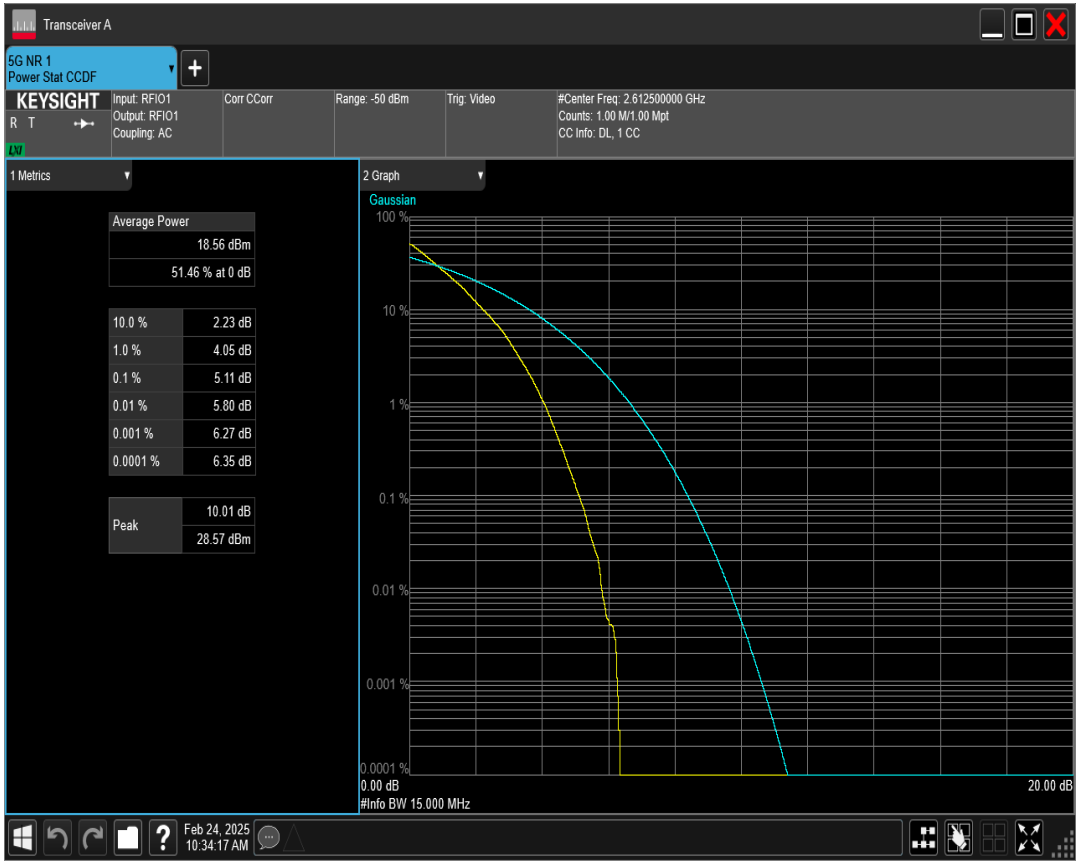
*n38 SCS=30kHz DFT\_BPSK BW=15MHz Channel=515500 RB=36@0*



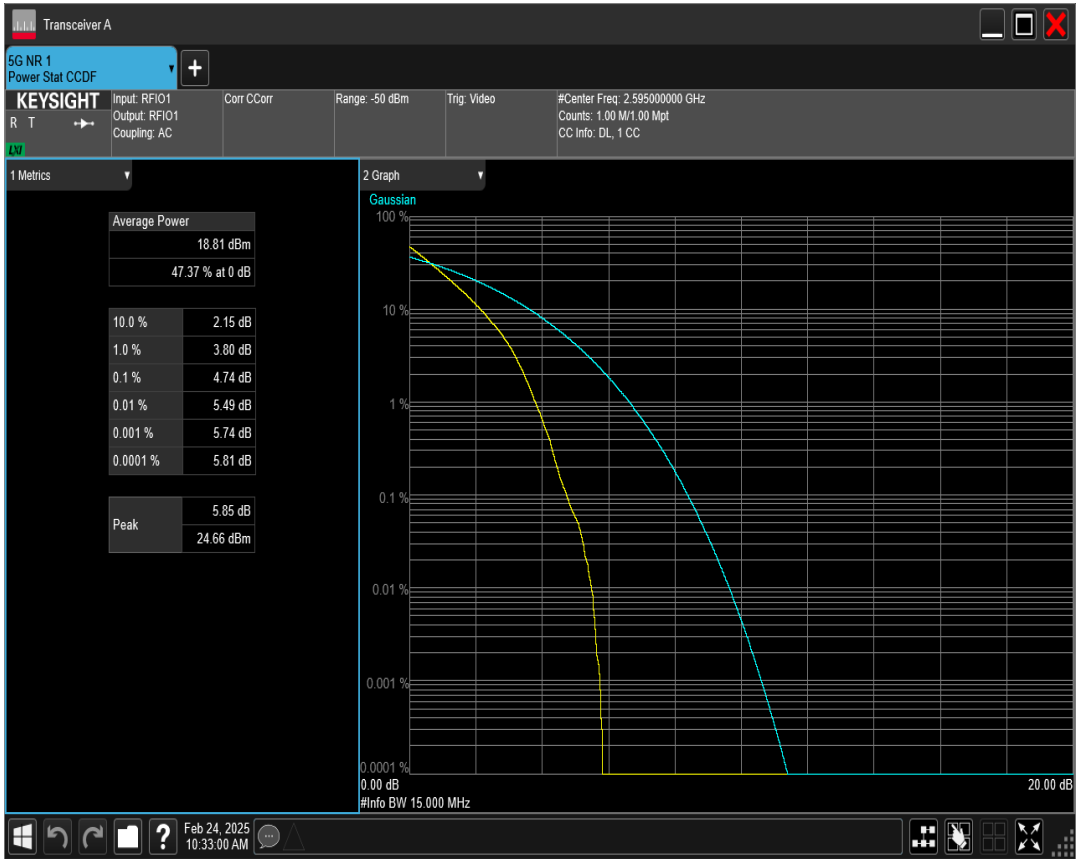
***n38 SCS=30kHz DFT\_BPSK BW=10MHz Channel=523000 RB=24@0***



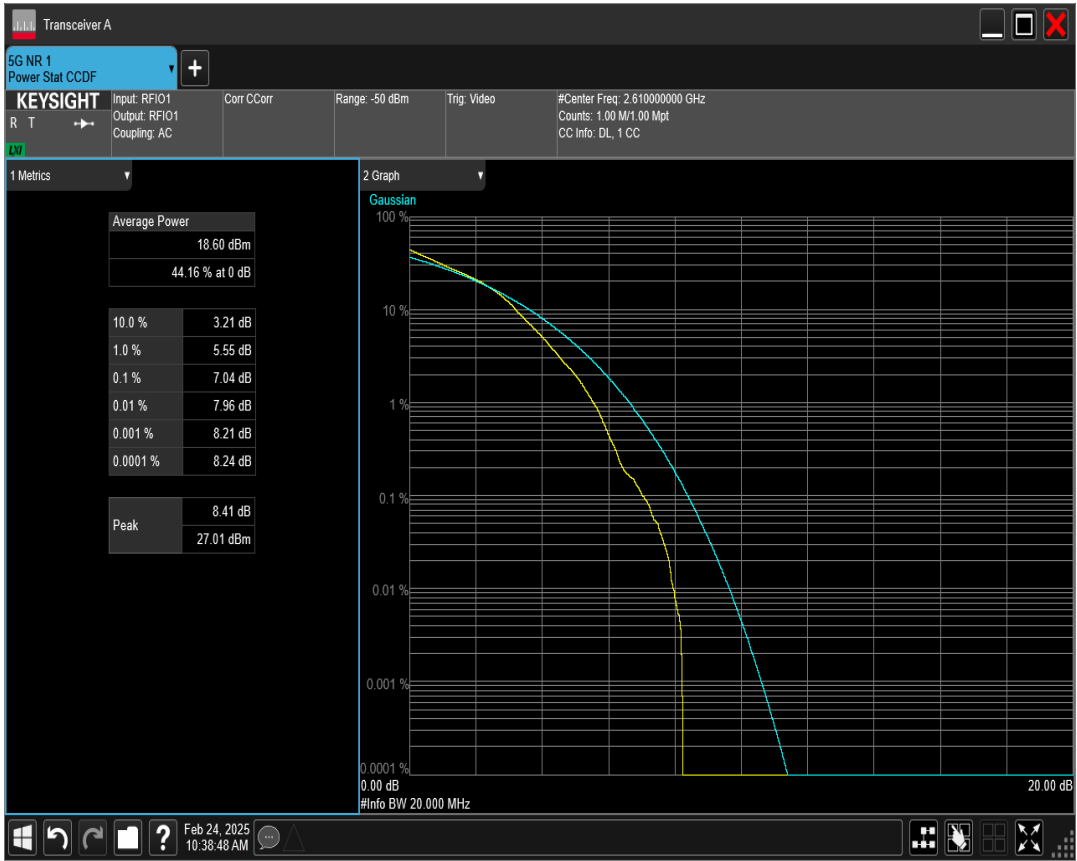
***n38 SCS=30kHz DFT\_BPSK BW=15MHz Channel=522500 RB=36@0***



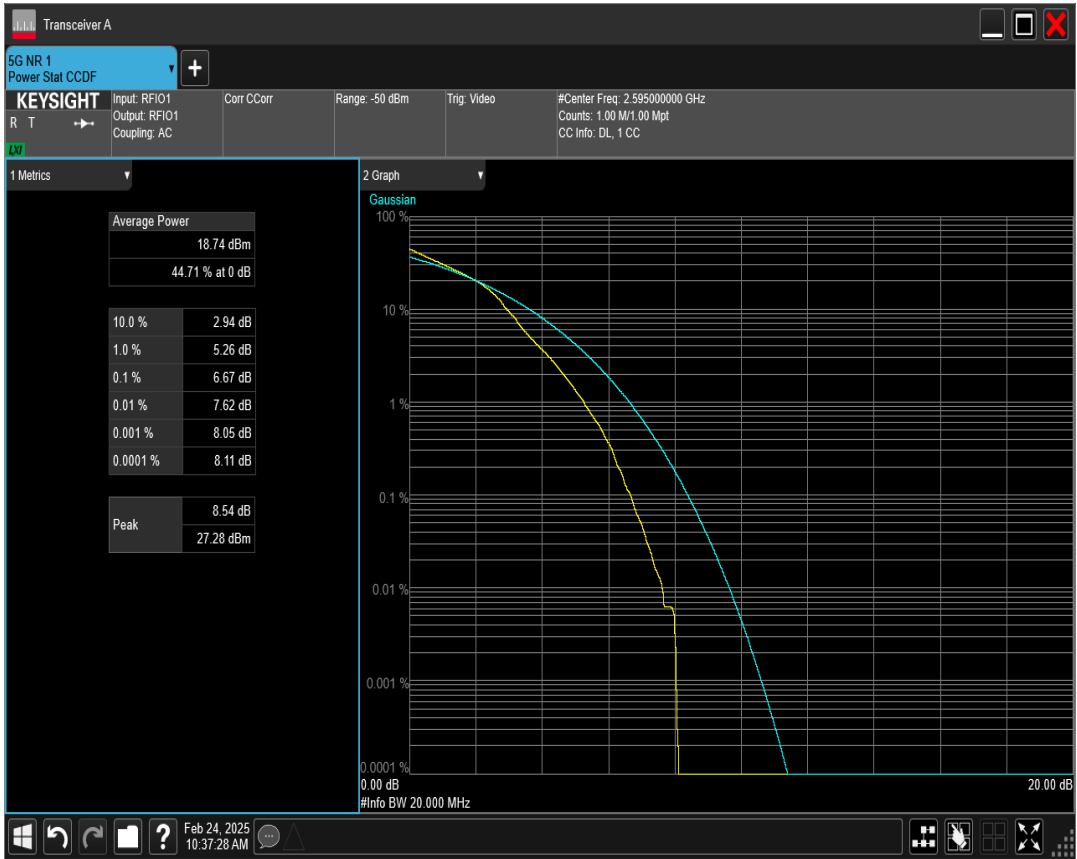
*n38 SCS=30kHz DFT\_BPSK BW=15MHz Channel=519000 RB=36@0*



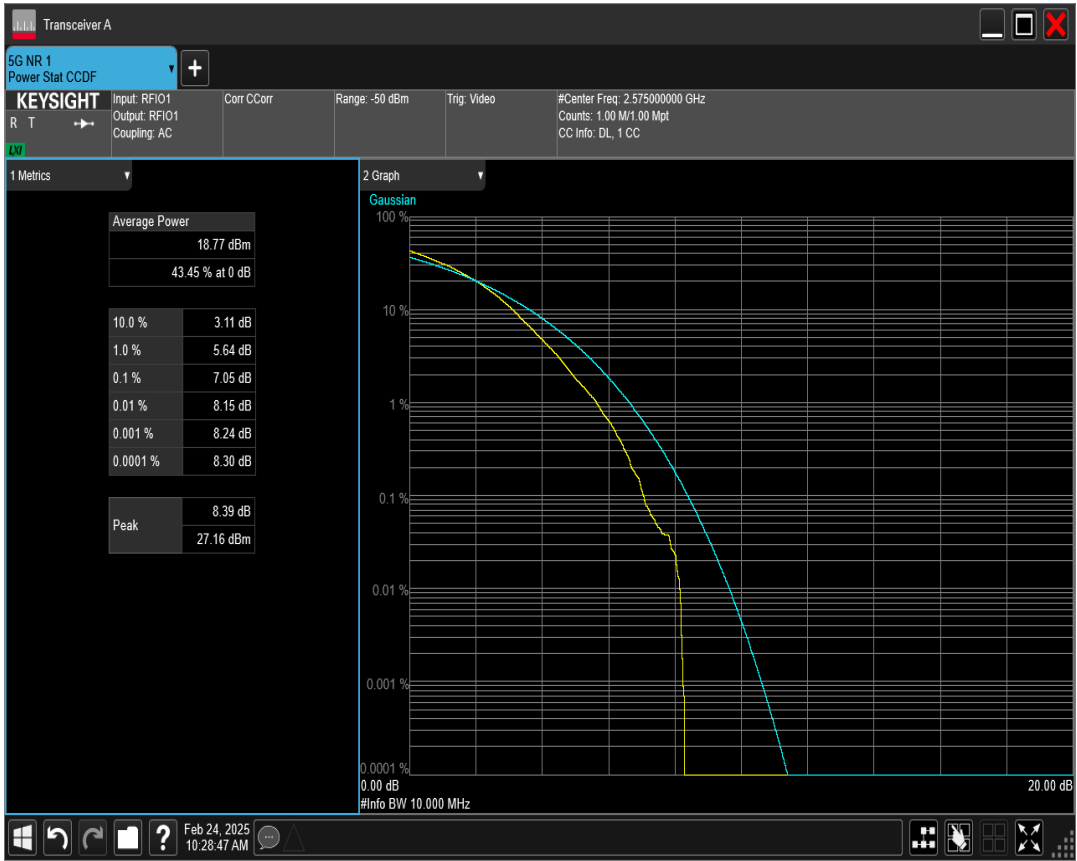
*n38 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=522000 RB=50@0*



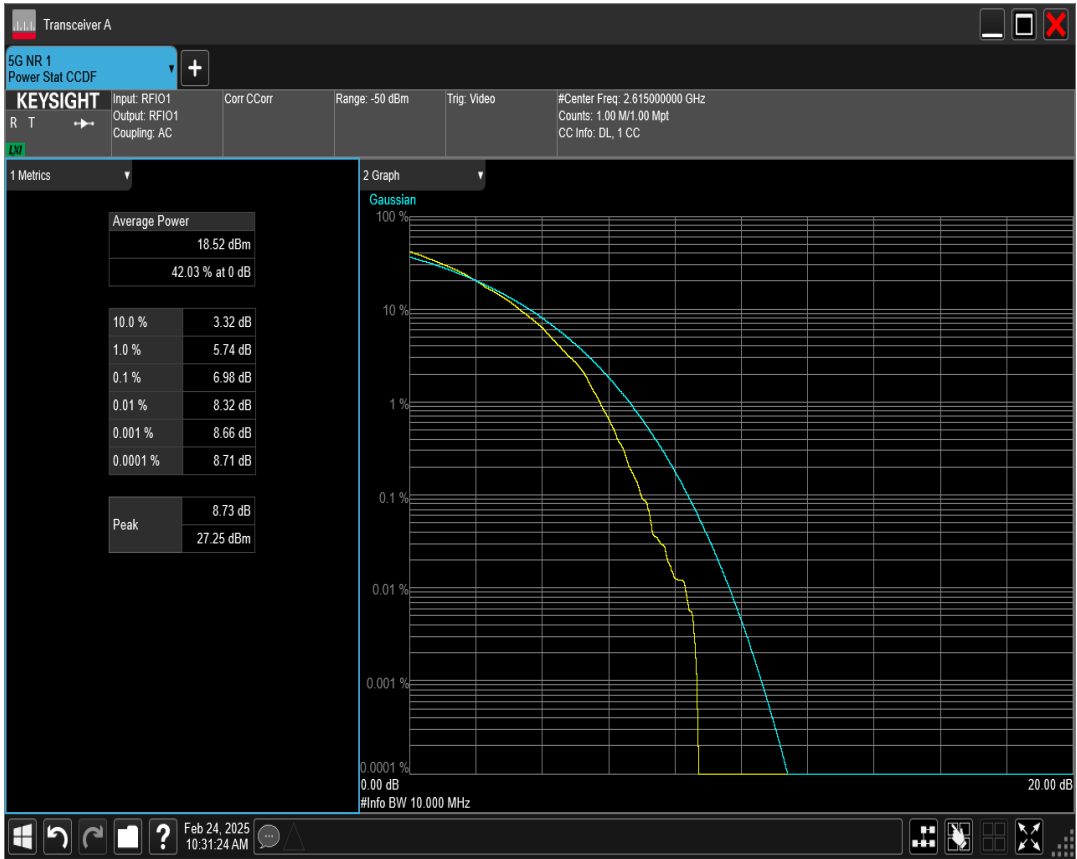
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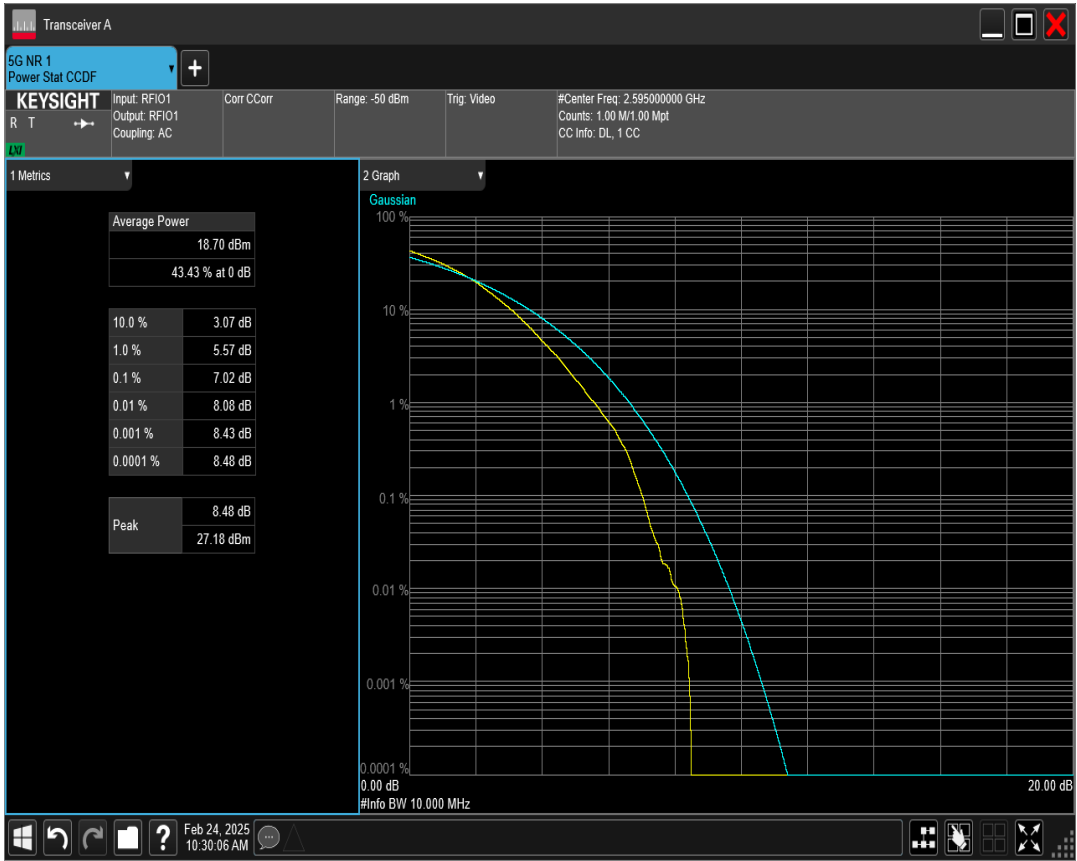
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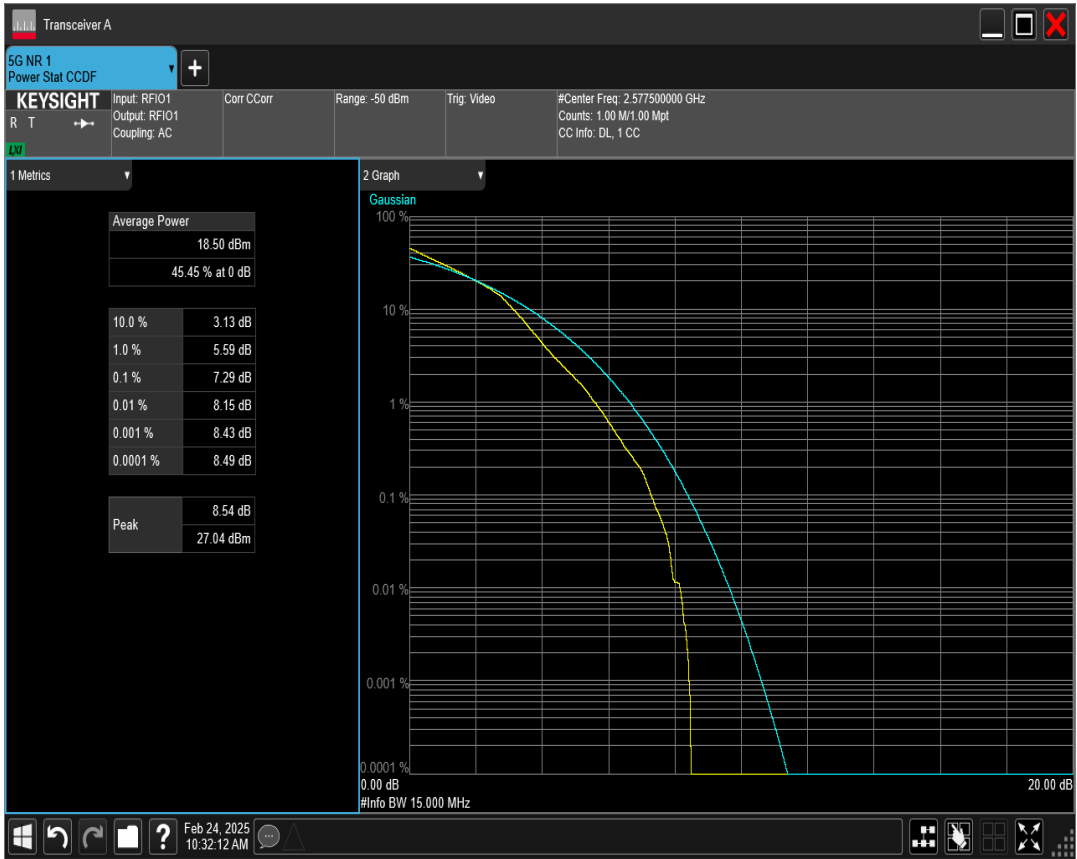
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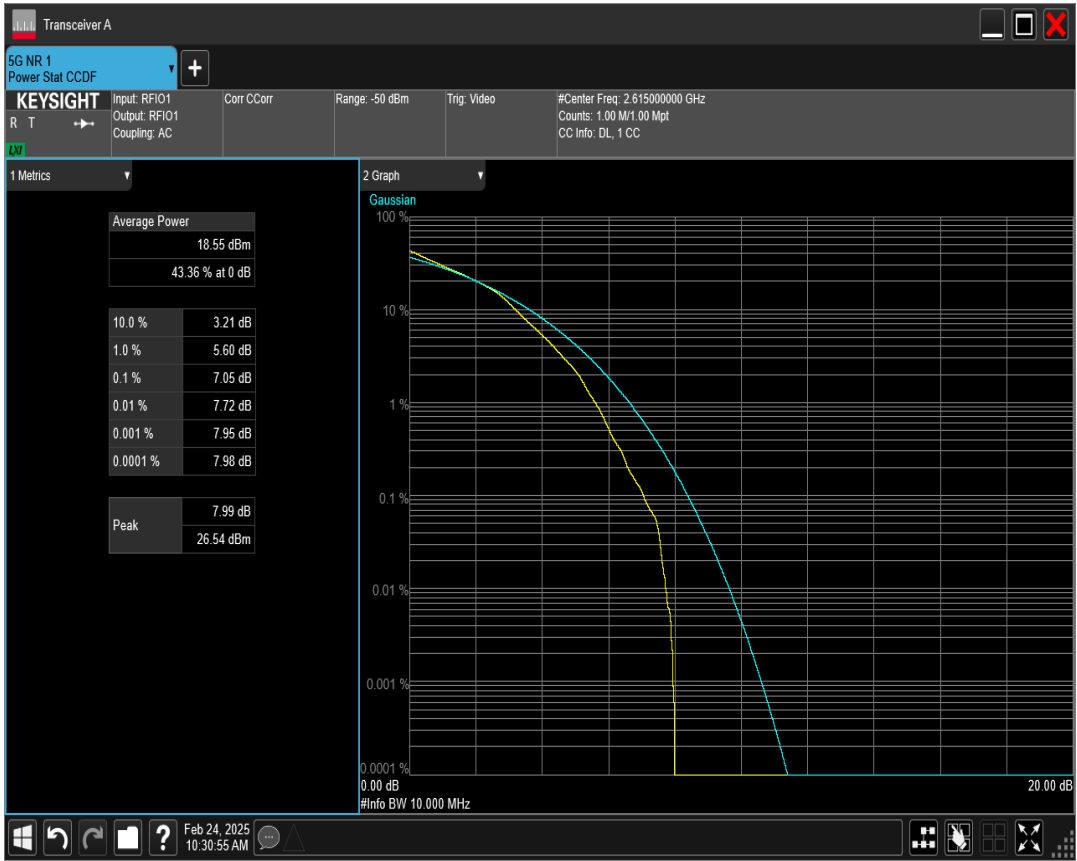
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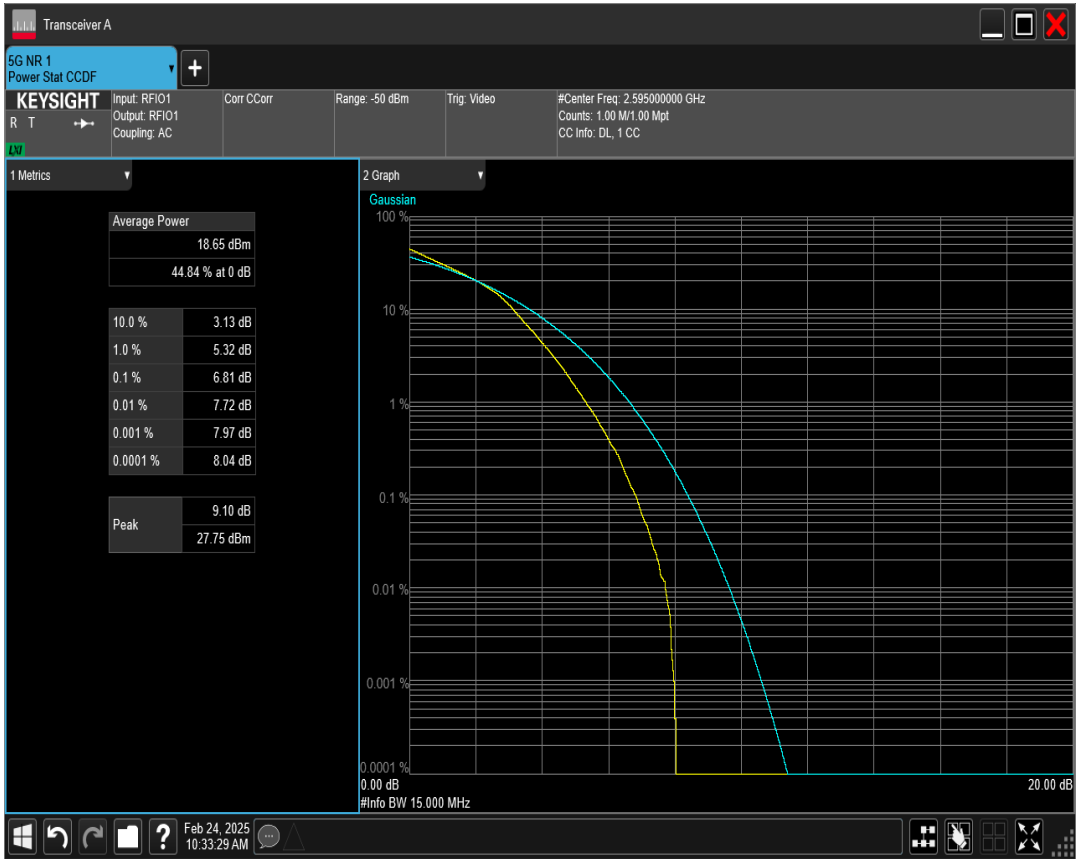
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*n38 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=523000 RB=24@0*

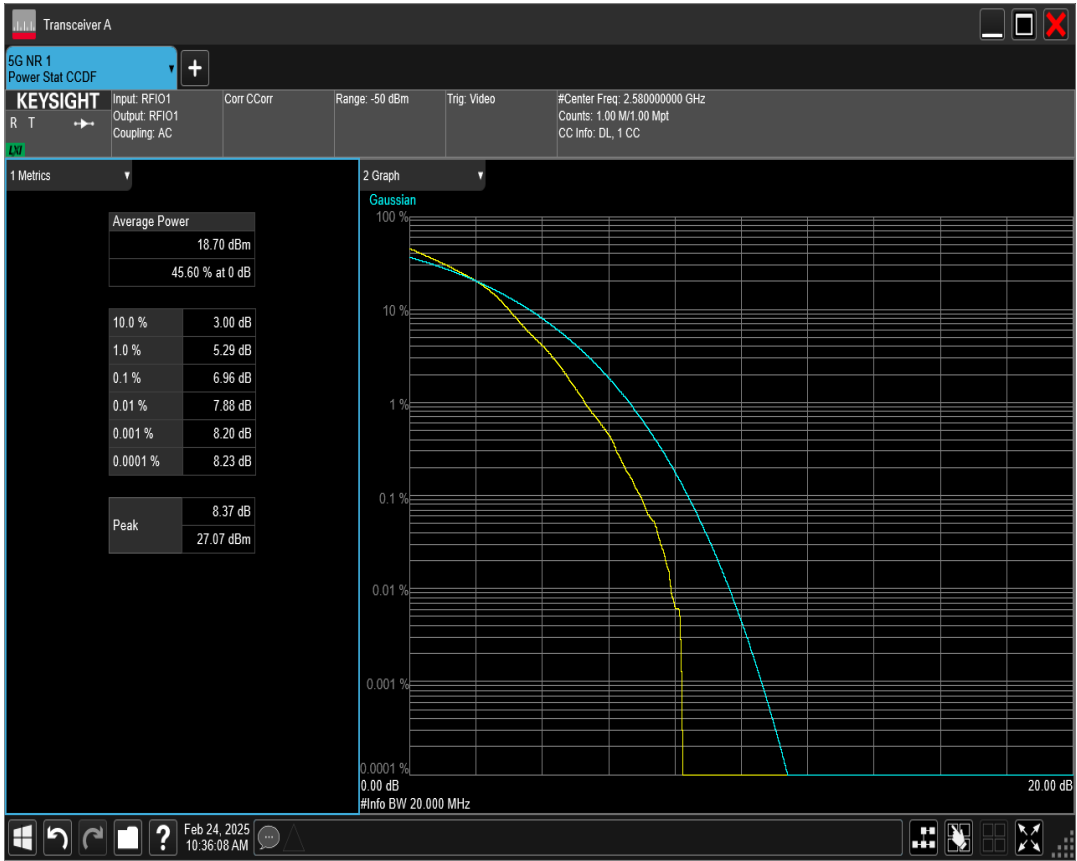


***n38 SCS=30kHz DFT\_QAM16 BW=15MHz Channel=519000 RB=36@0***

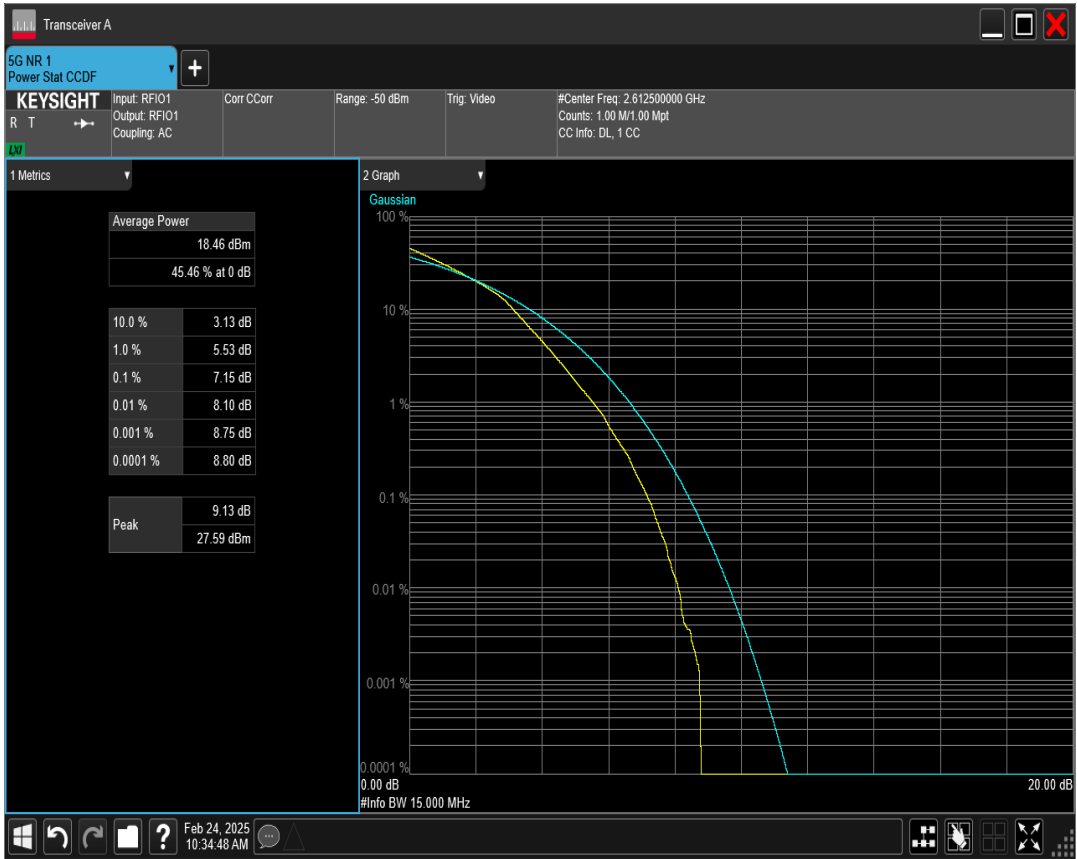


***n38 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=516000 RB=50@0***

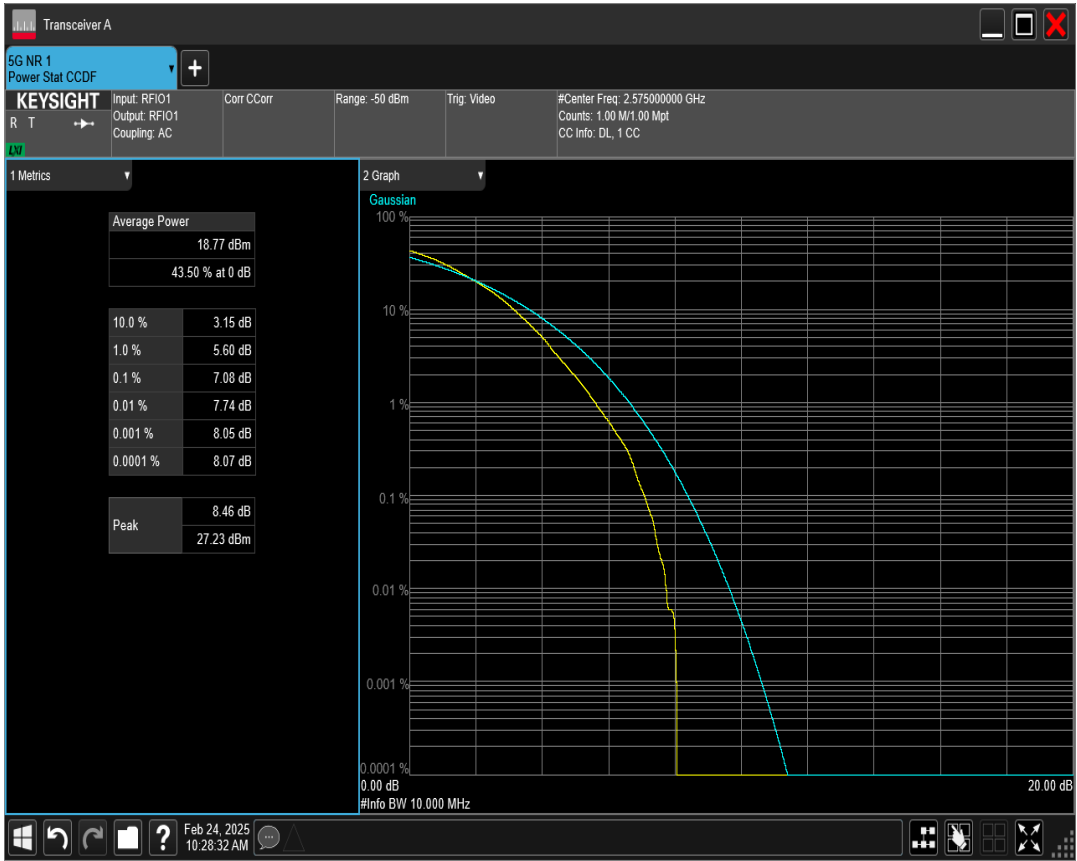




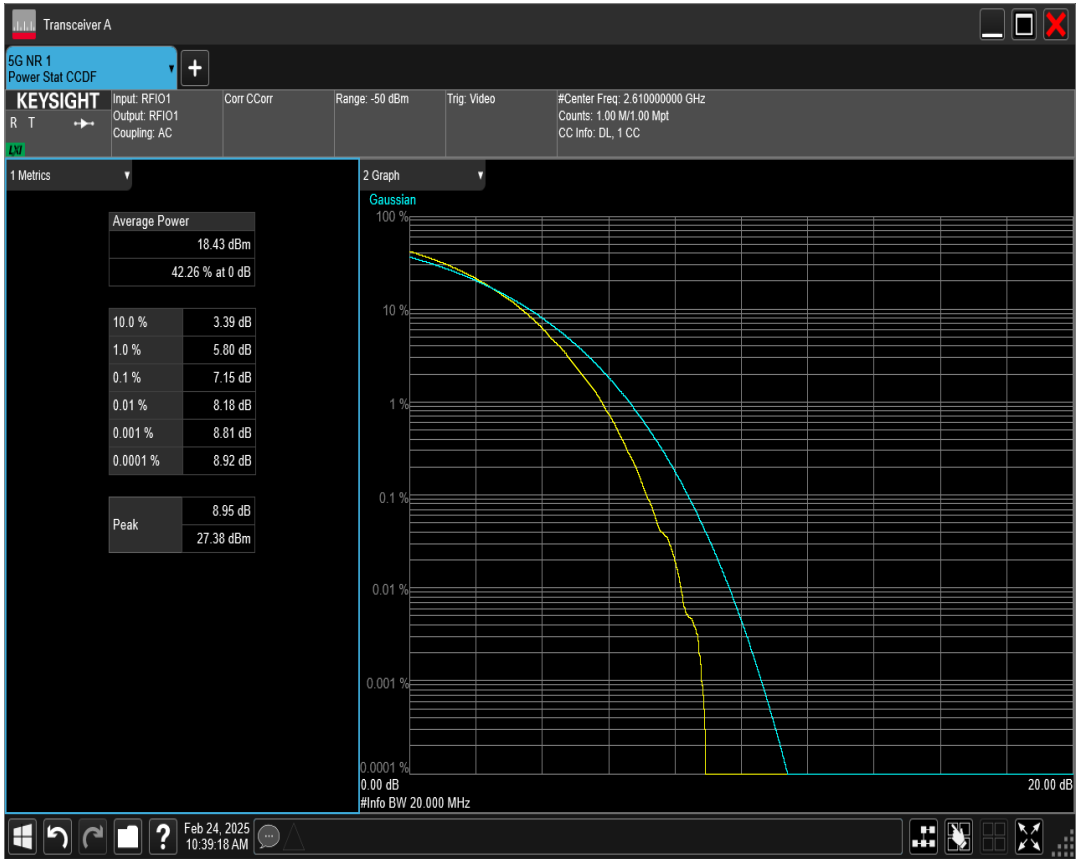
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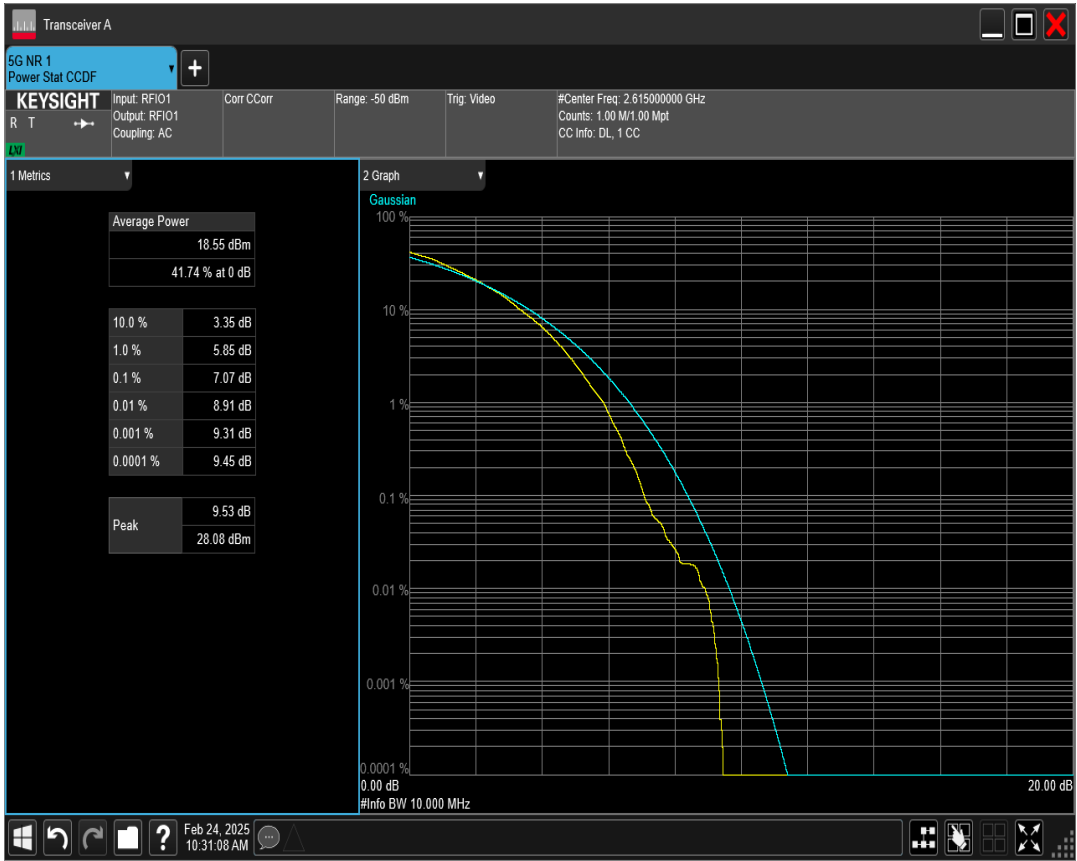
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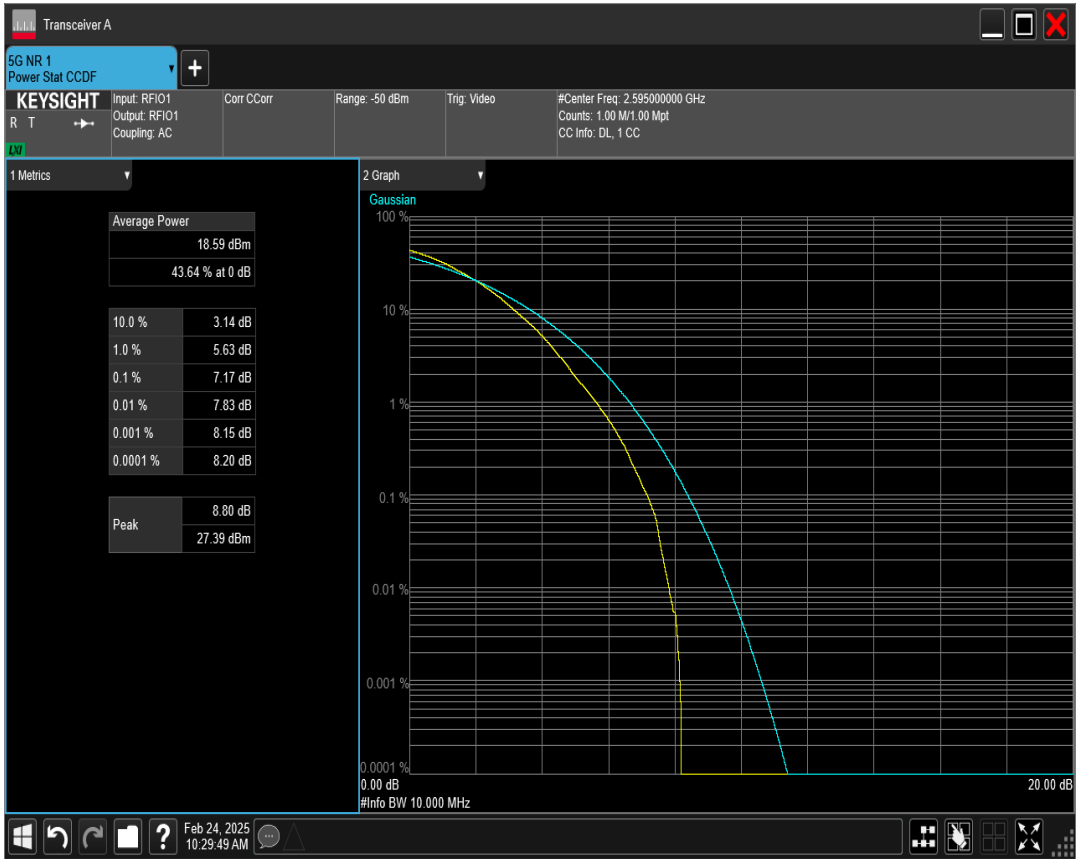
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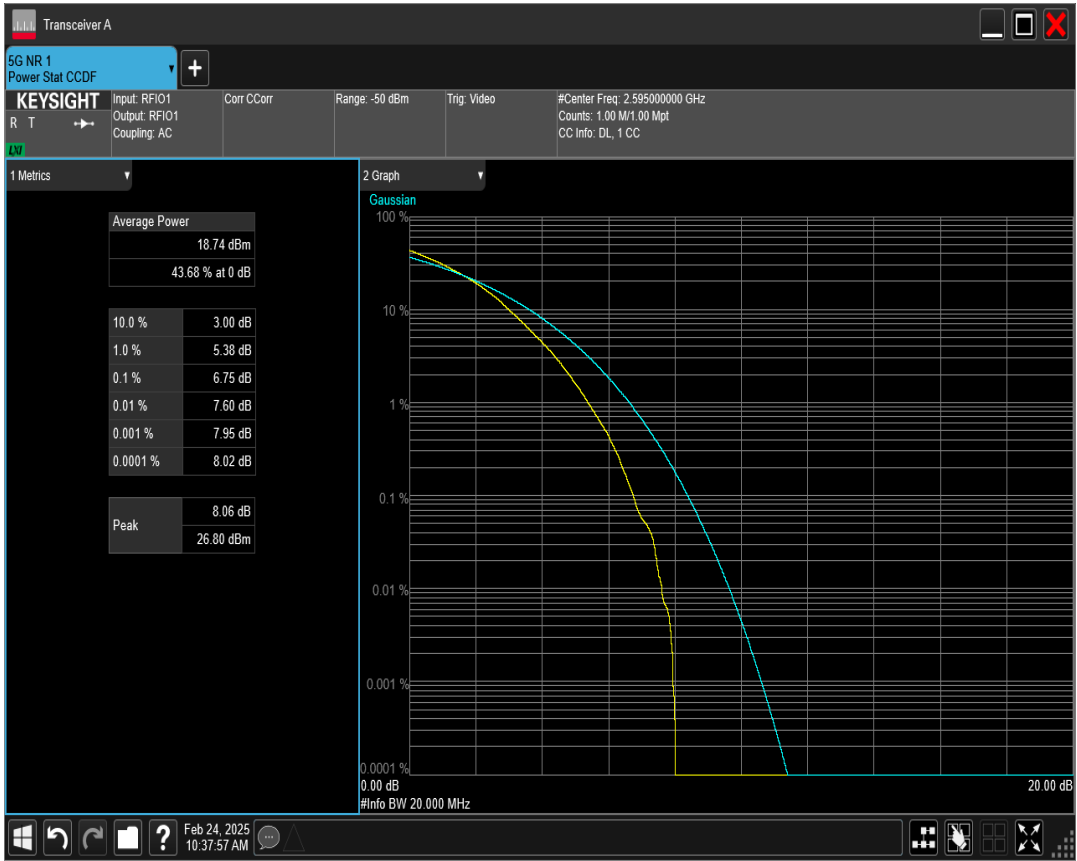
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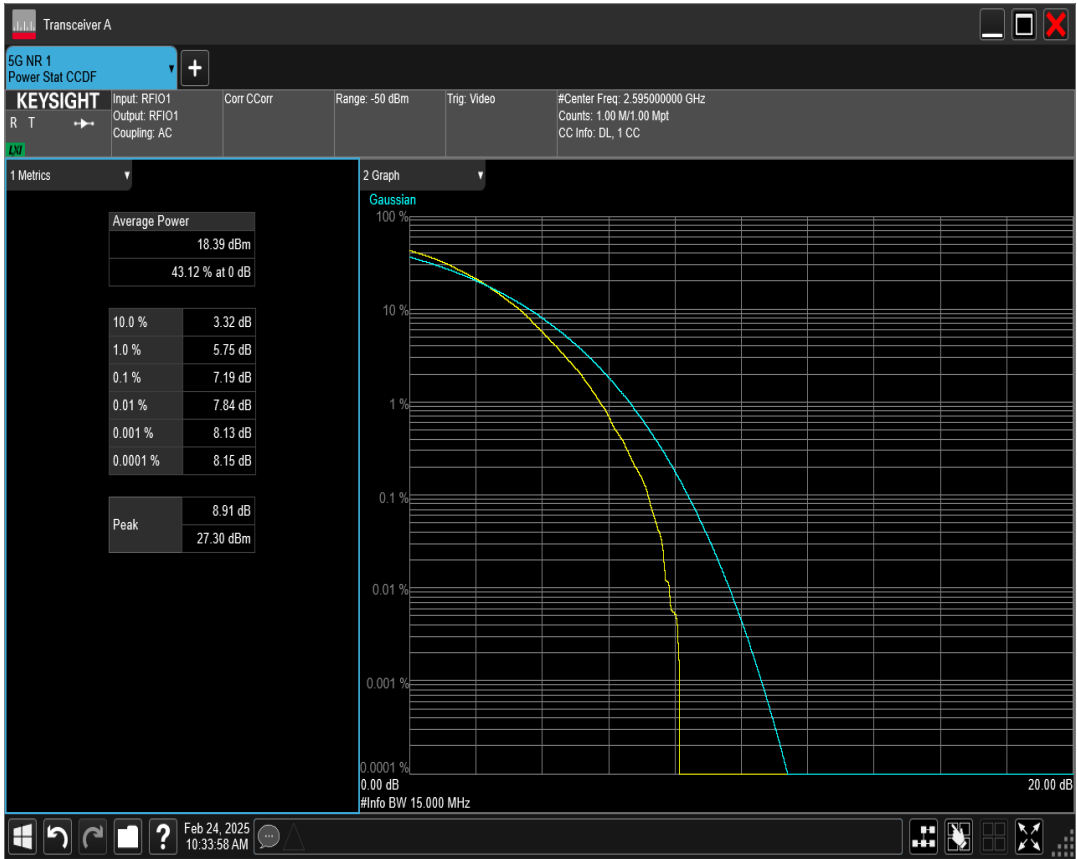
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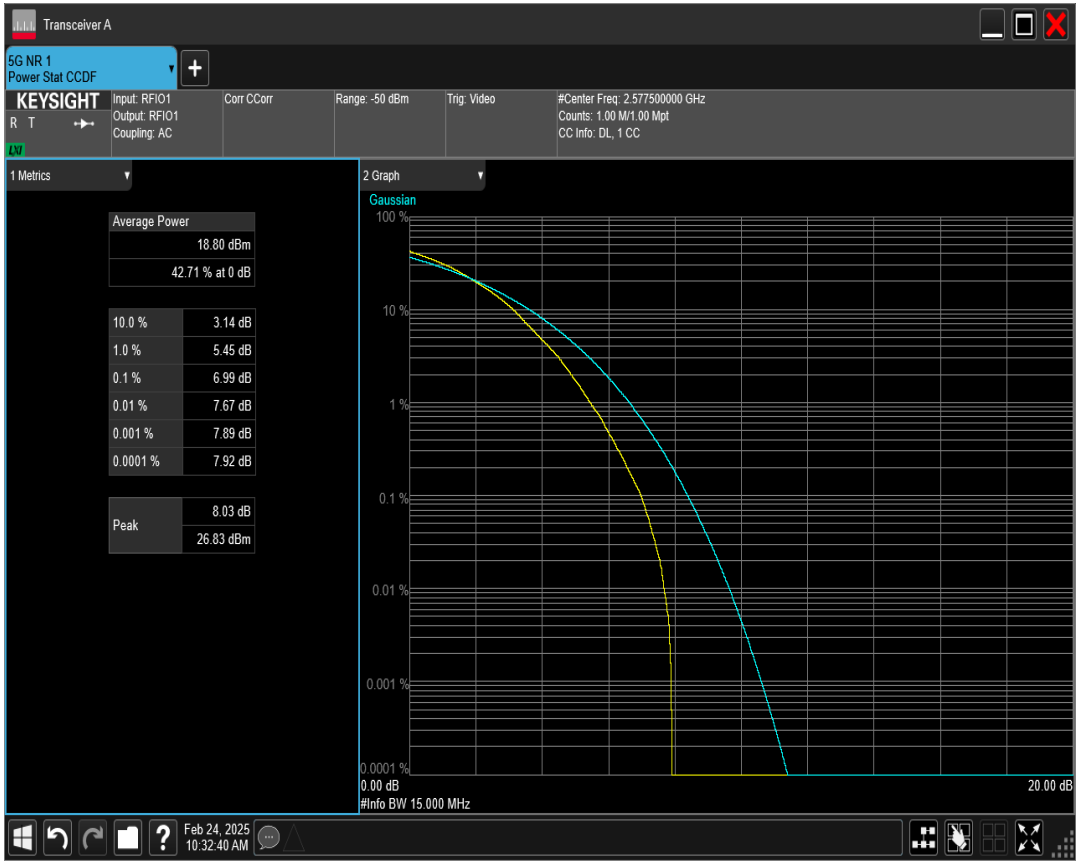
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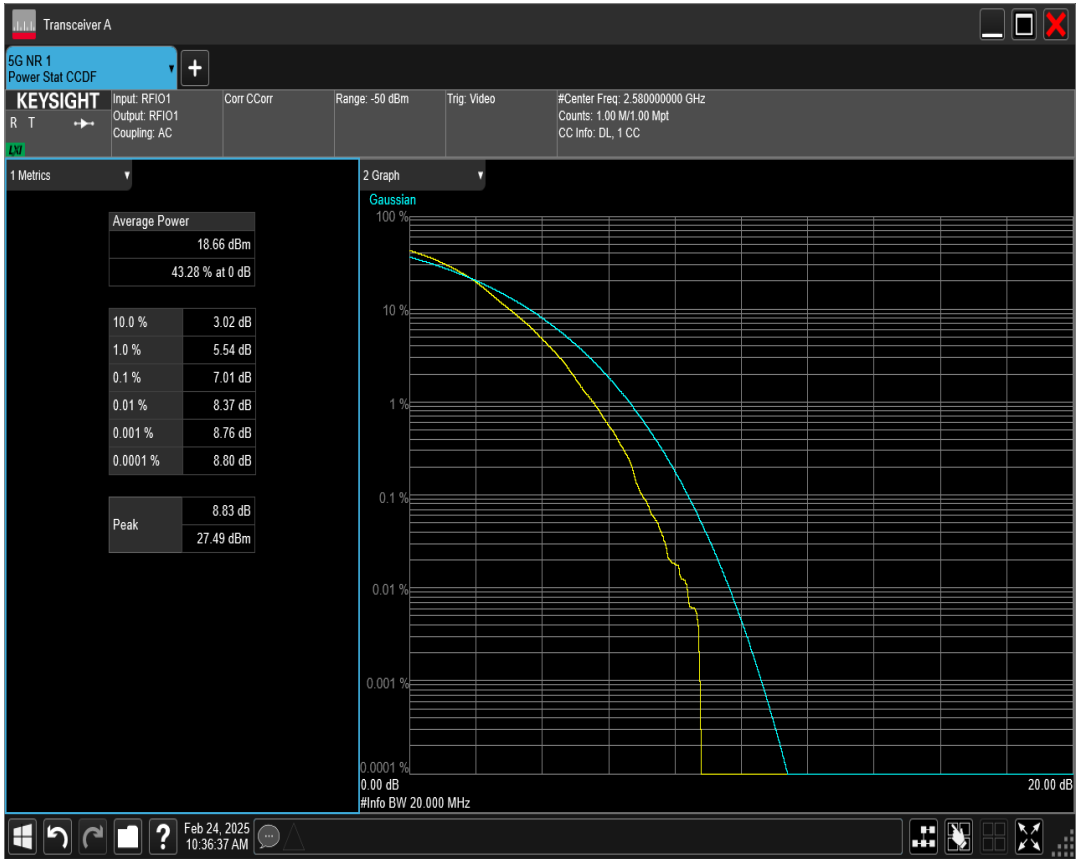
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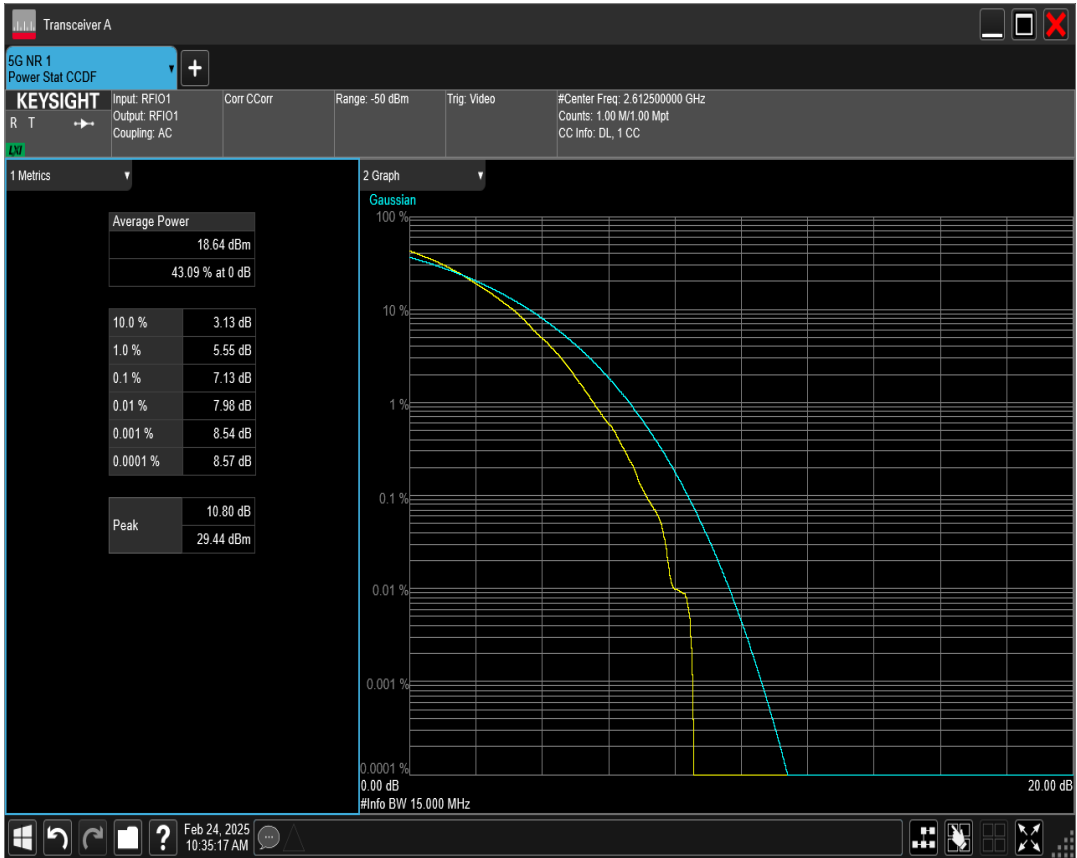
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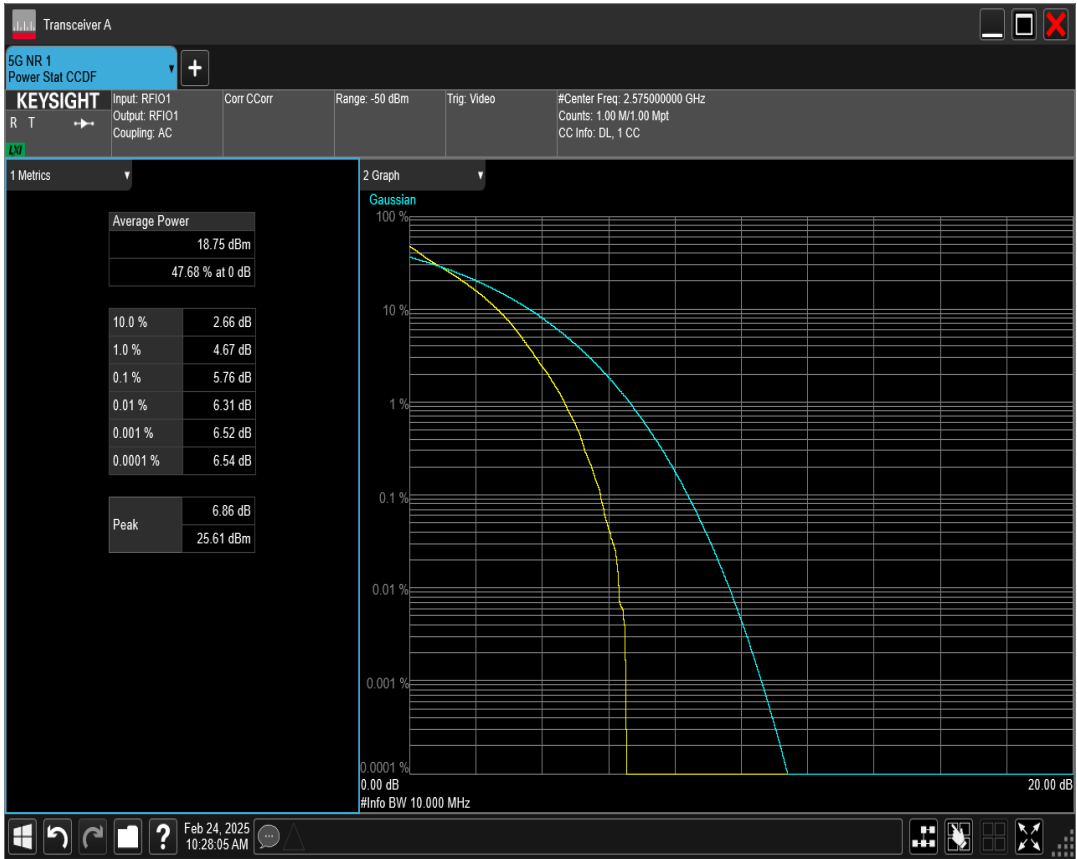
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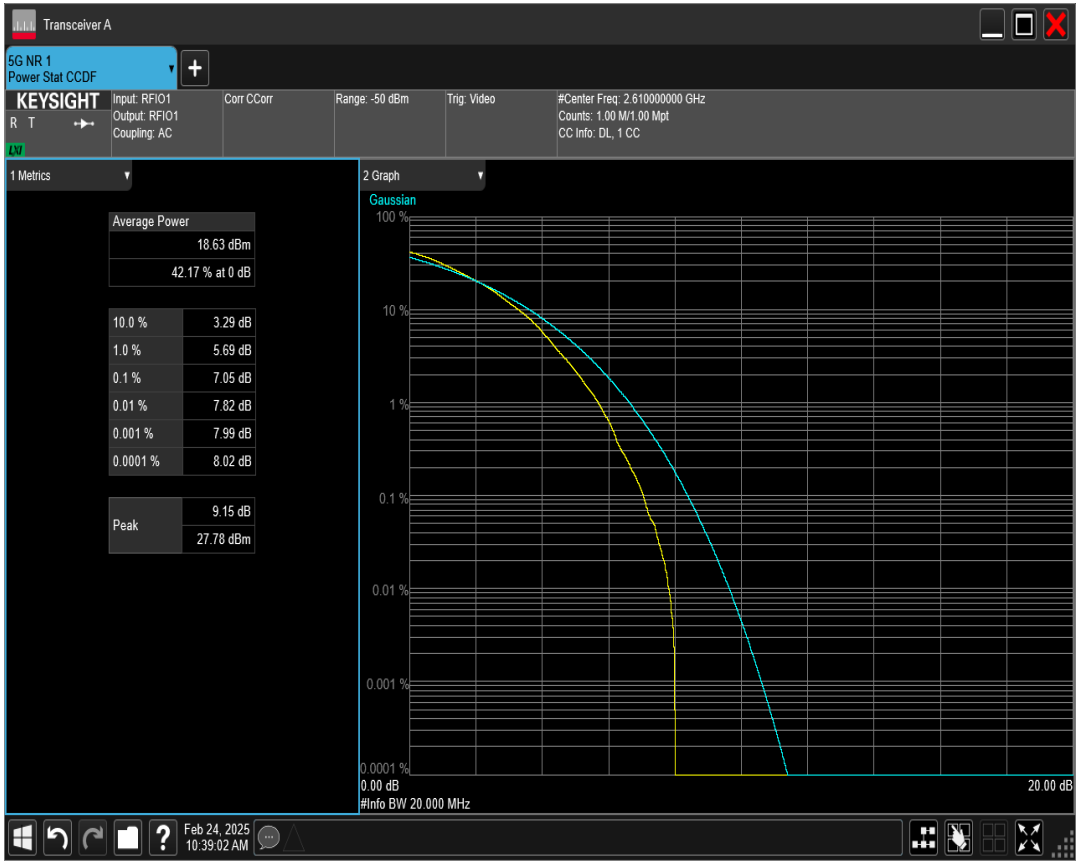
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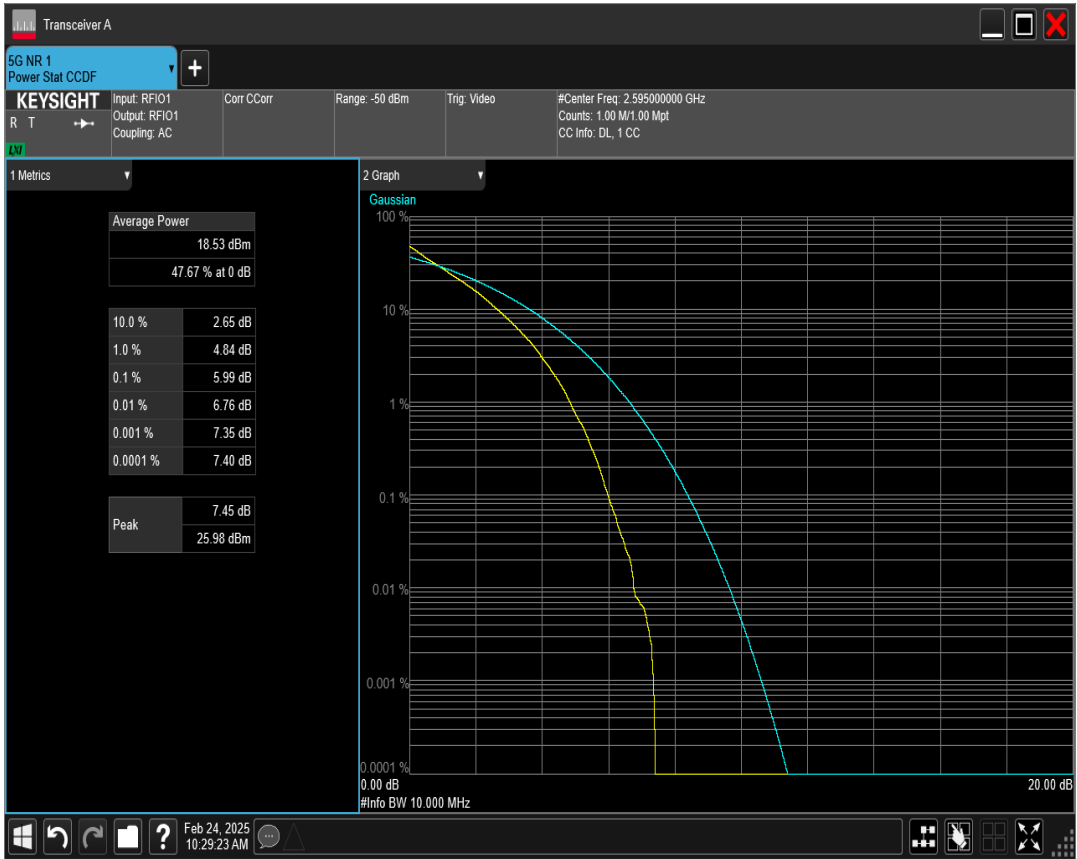
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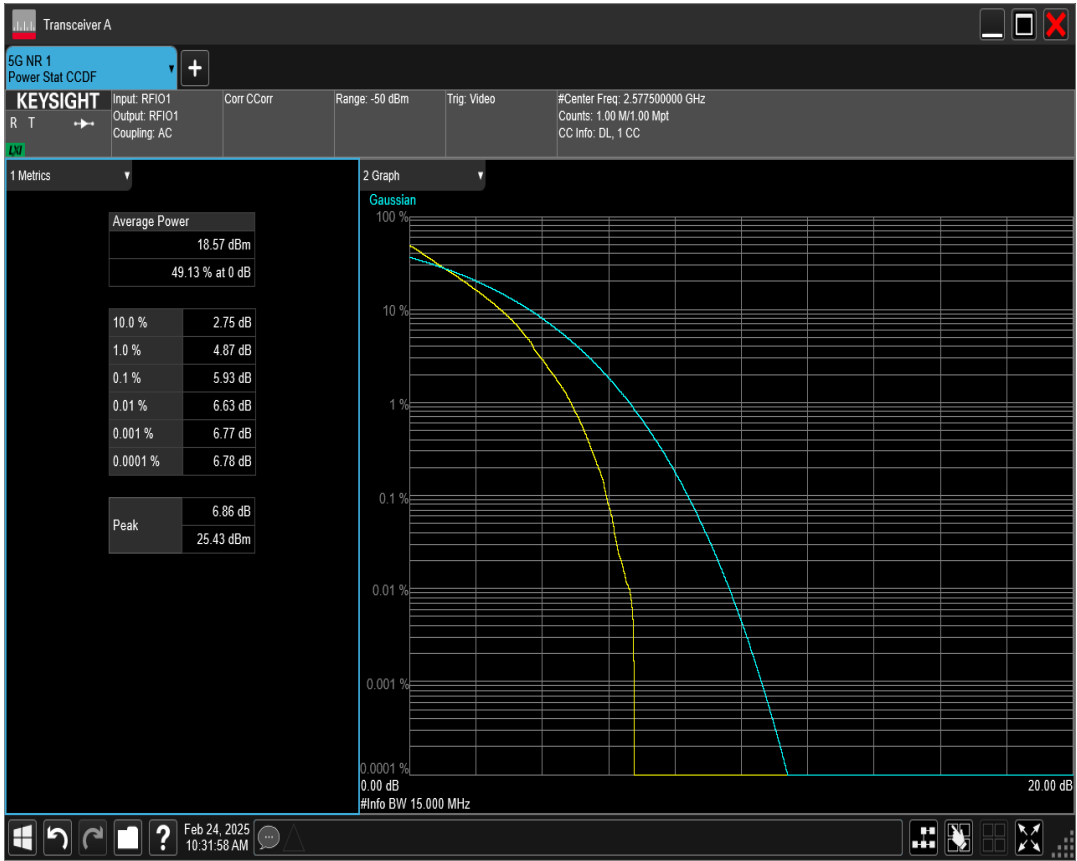
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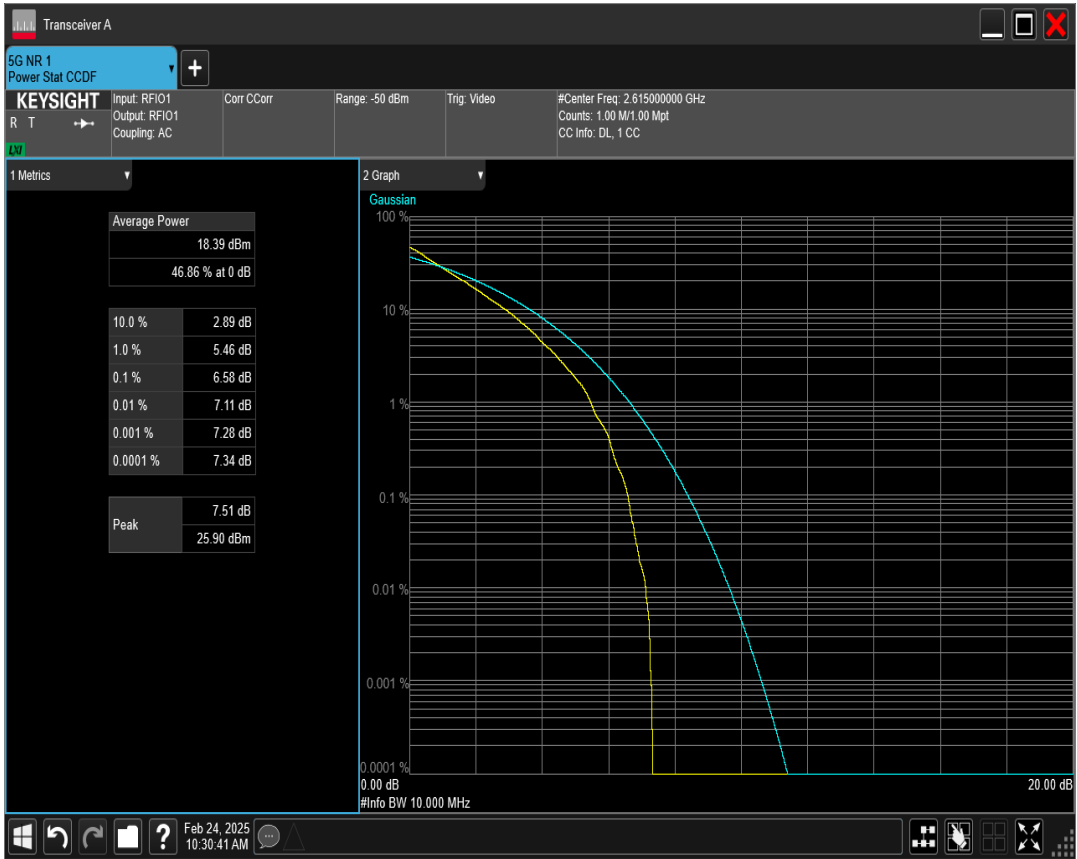
*n38 SCS=30kHz DFT\_QPSK BW=10MHz Channel=519000 RB=24@0*



*n38 SCS=30kHz DFT\_QPSK BW=15MHz Channel=515500 RB=36@0*

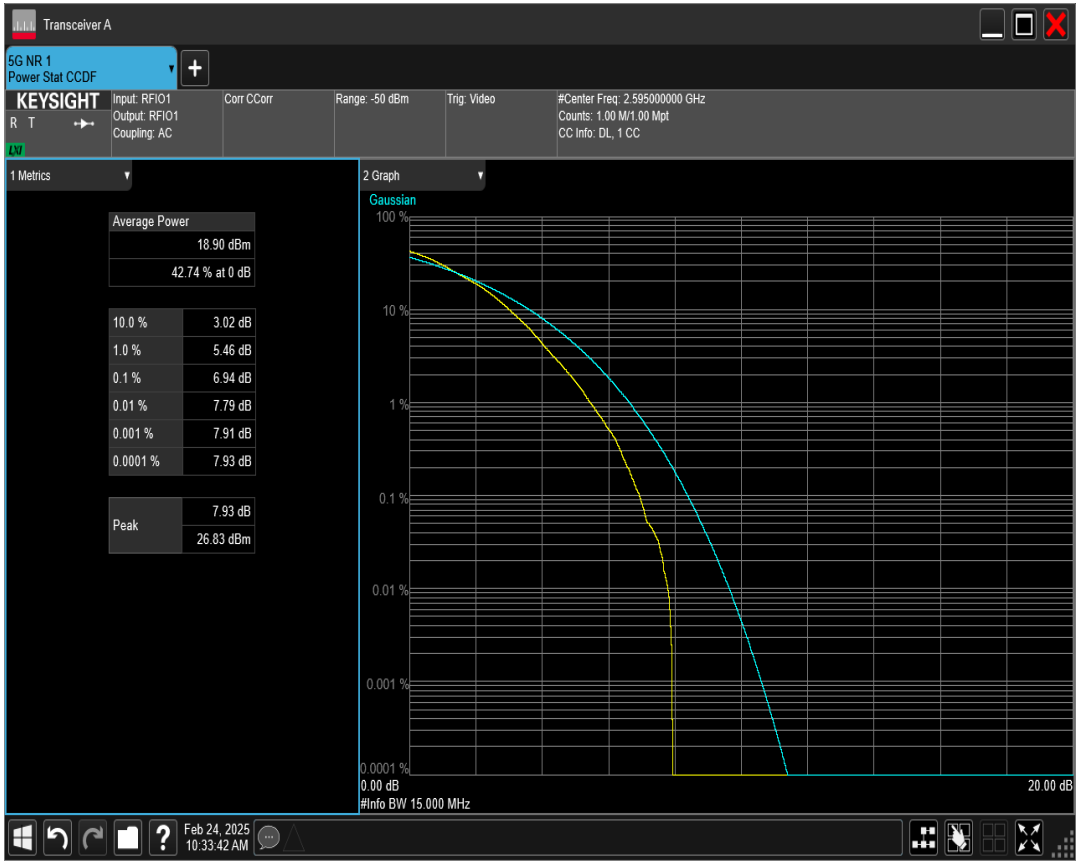


*n38 SCS=30kHz DFT\_QPSK BW=10MHz Channel=523000 RB=24@0*

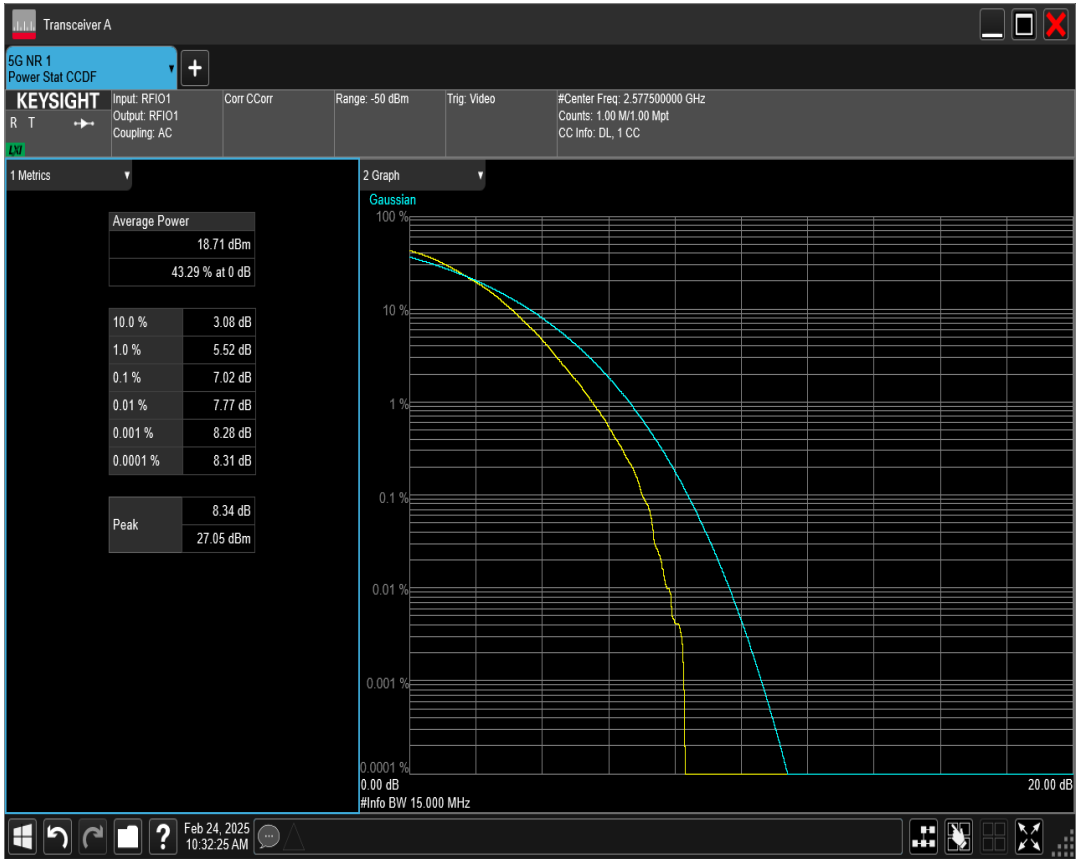


*n38 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=519000 RB=36@0*

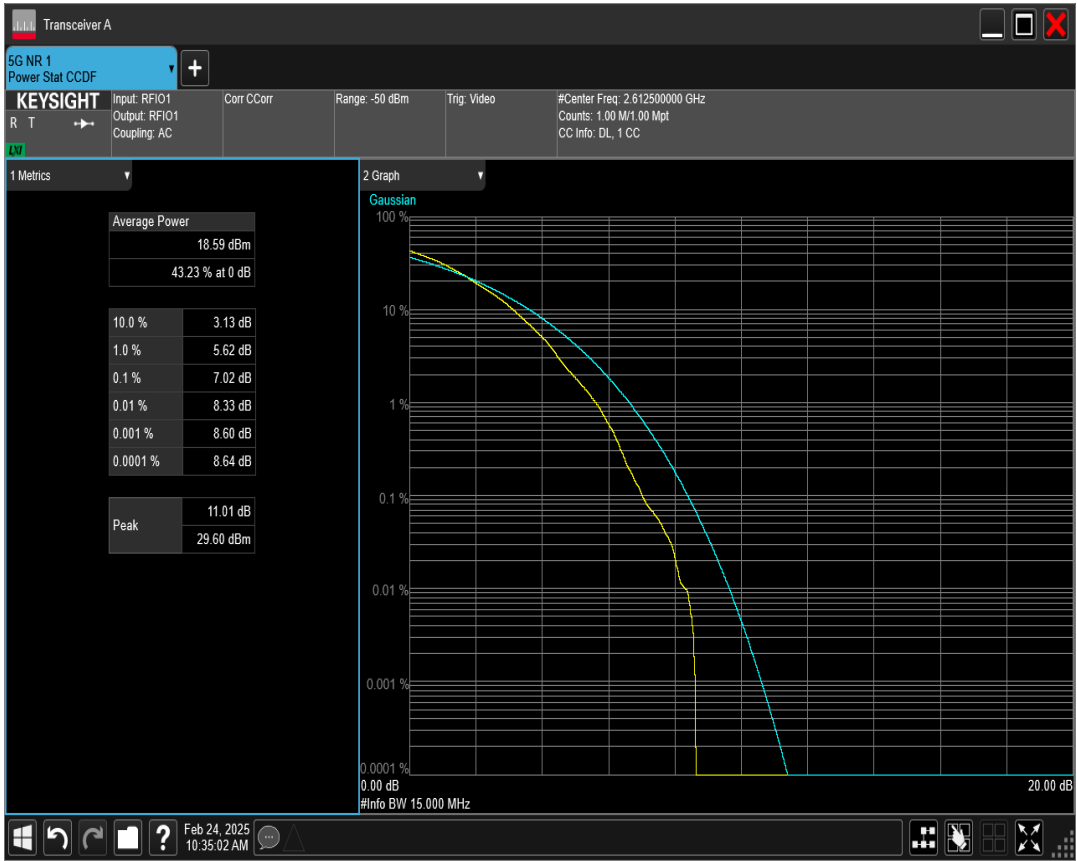




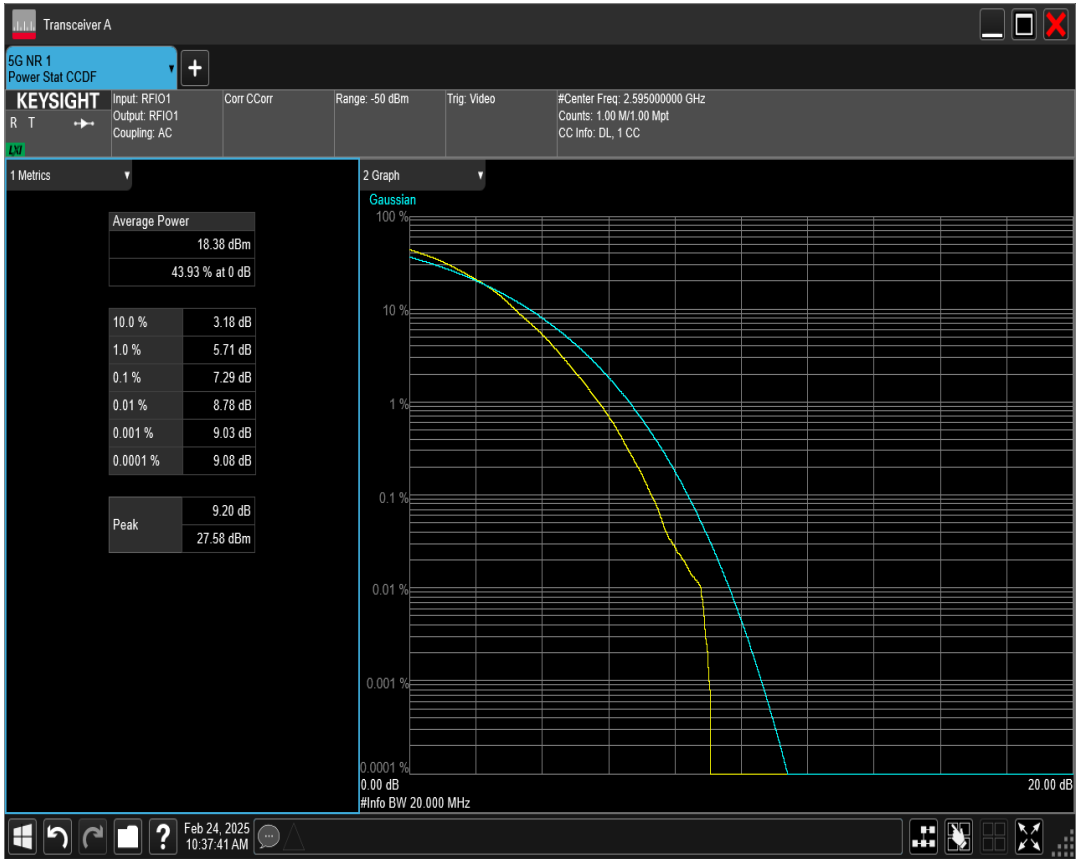
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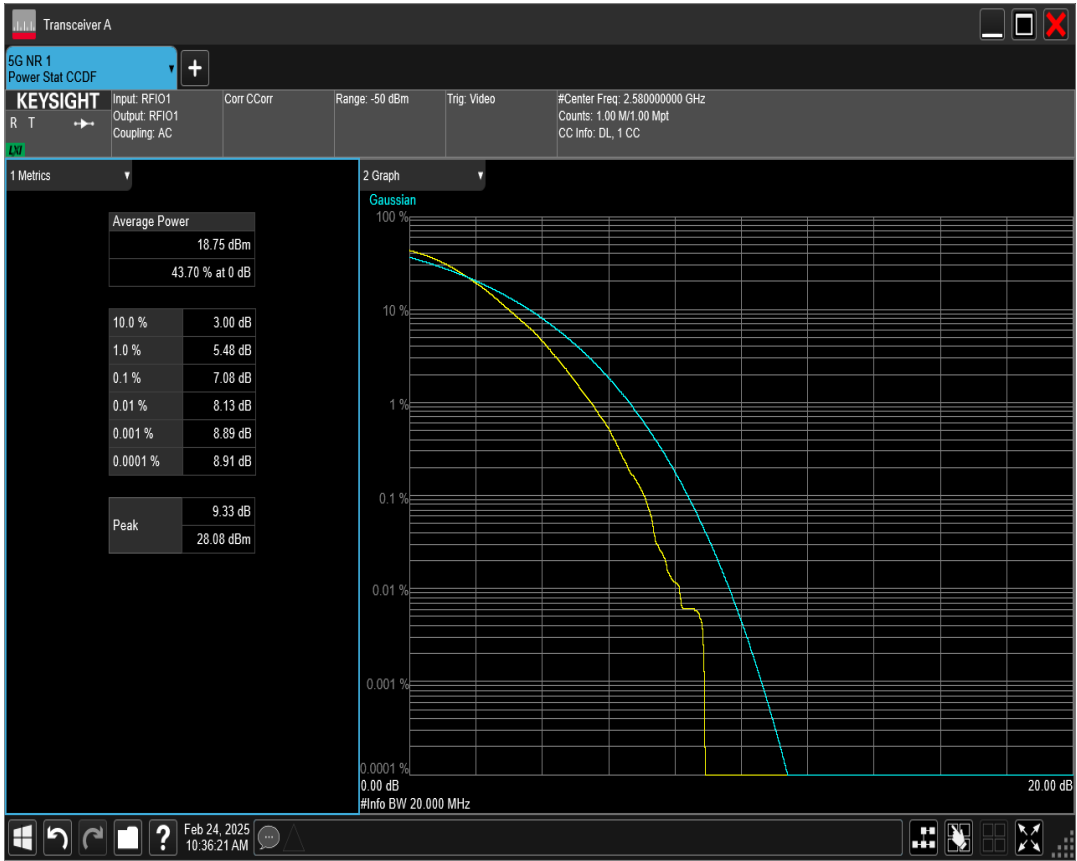
***n38 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=522500 RB=36@0***



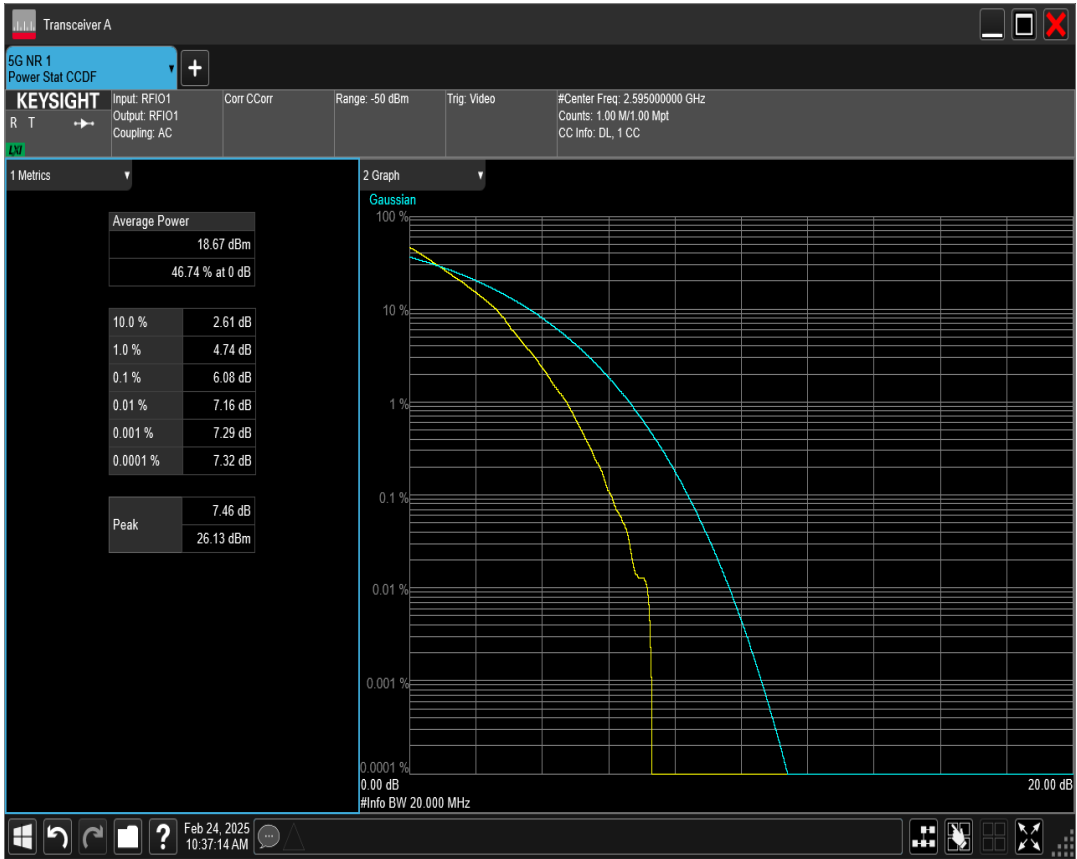
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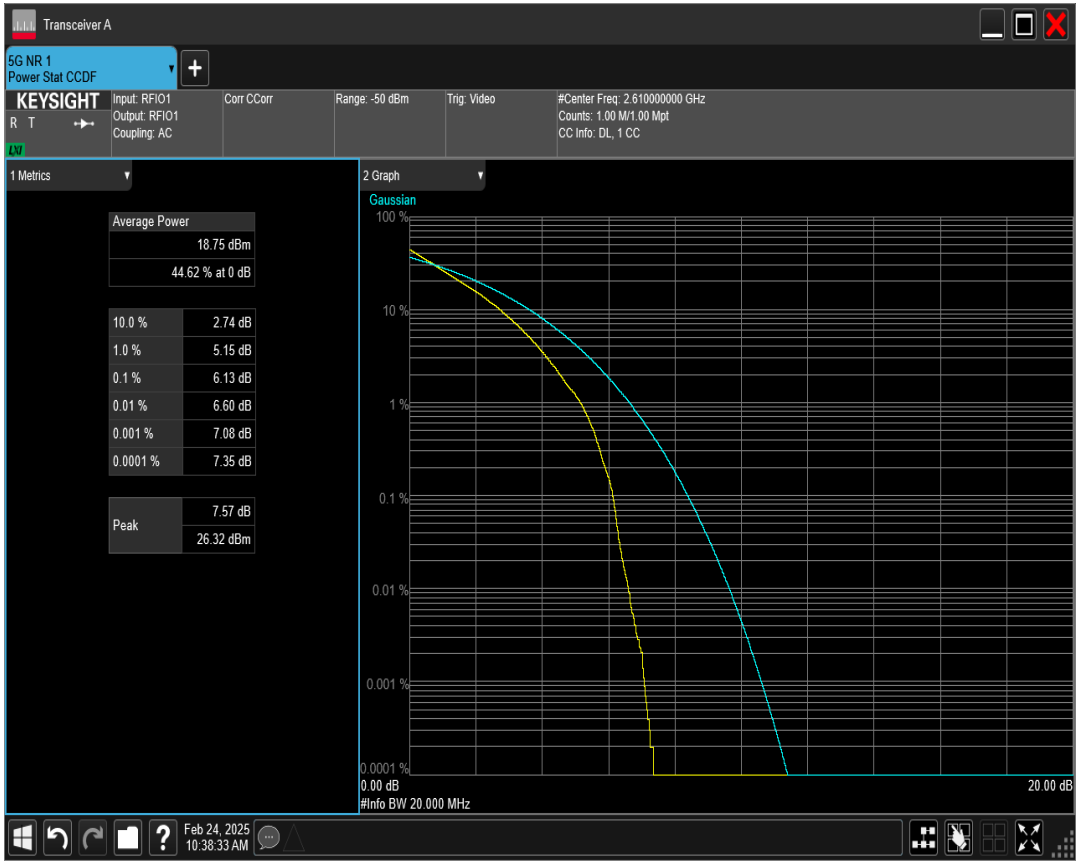
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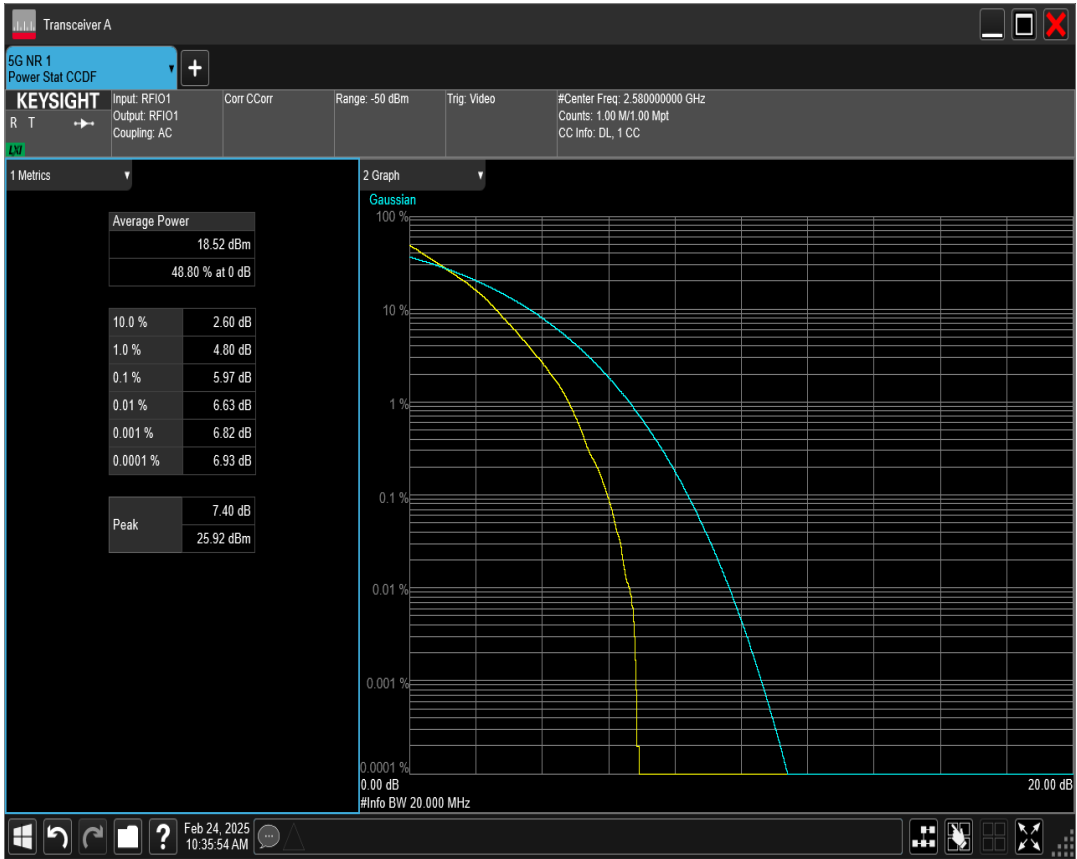
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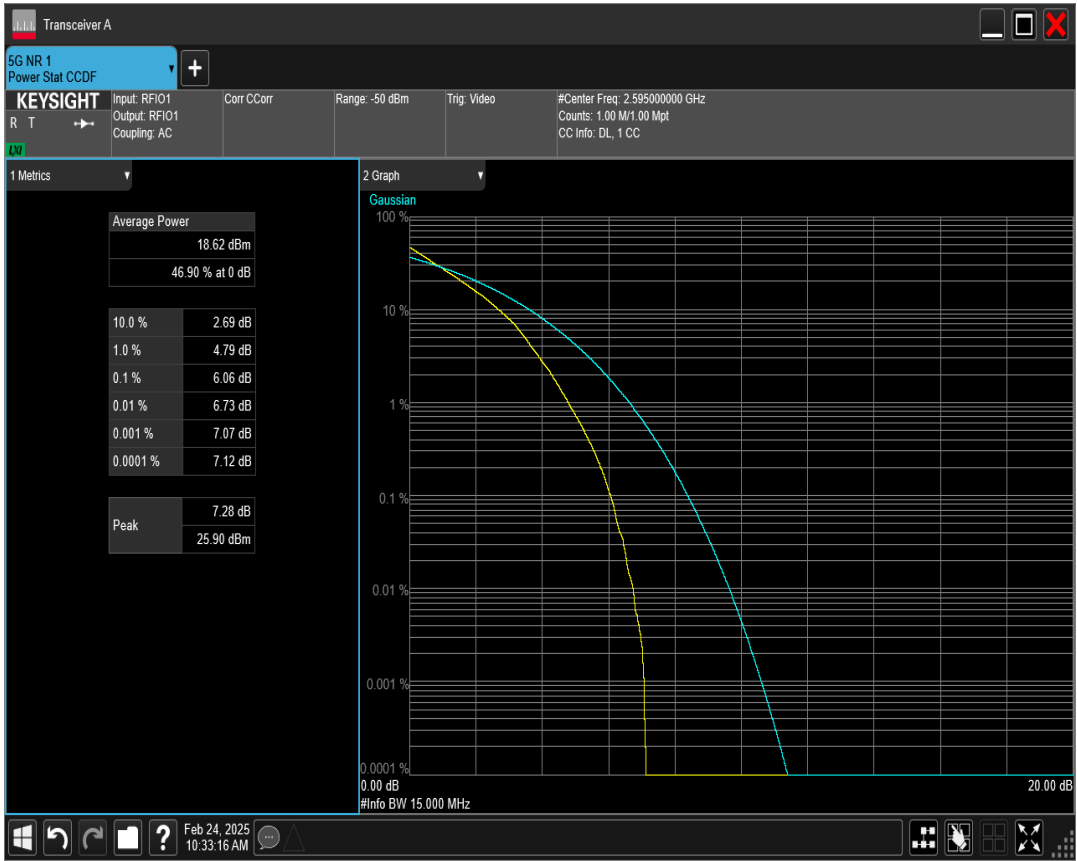
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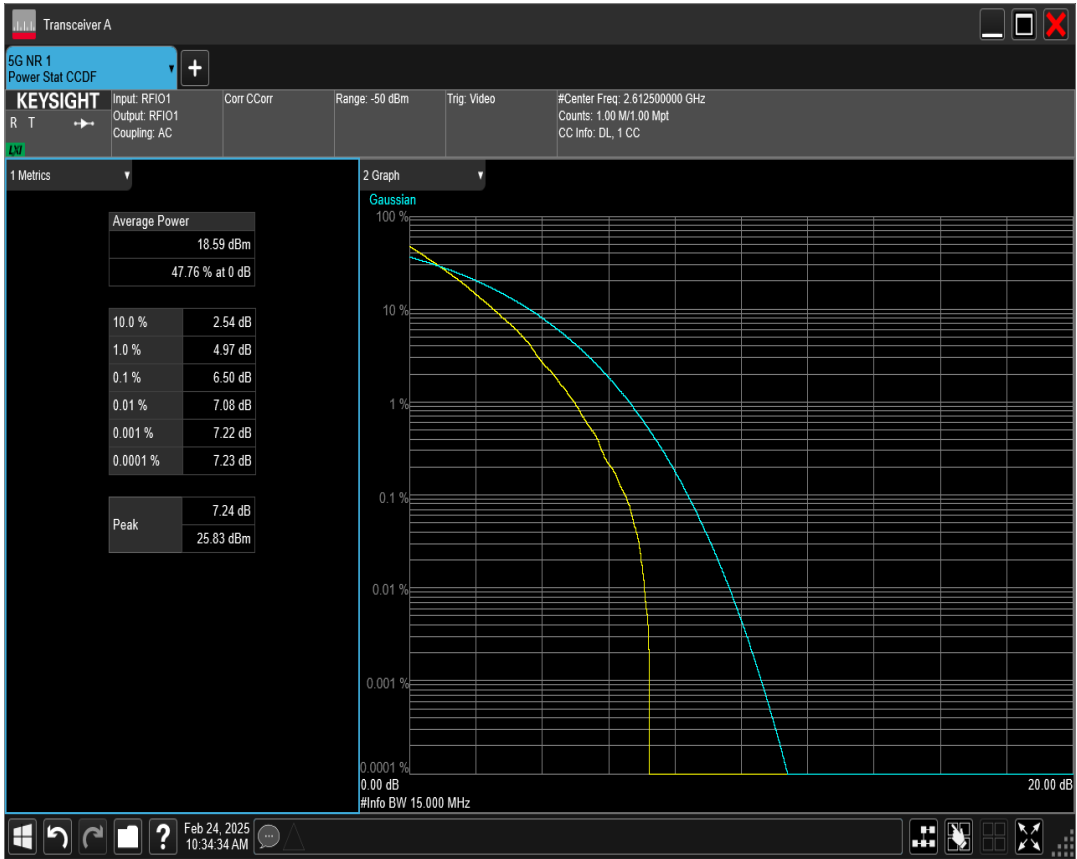
*n38 SCS=30kHz DFT\_QPSK BW=20MHz Channel=516000 RB=50@0*



*n38 SCS=30kHz DFT\_QPSK BW=15MHz Channel=519000 RB=36@0*



*n38 SCS=30kHz DFT\_QPSK BW=15MHz Channel=522500 RB=36@0*



## 4 Occupied bandwidth for EN-DC

| Band | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | 99%<br>OBW<br>(MHz) | -26dB<br>EBW<br>(MHz) | Verdict |
|------|--------------|--------------------|---------------|------------------|------------|---------------------|-----------------------|---------|
| n38  | 30           | 10                 | 519000        | 24@0             | DFT_BPSK   | 8.550               | 8.880                 | PASS    |
| n38  | 30           | 10                 | 519000        | 24@0             | DFT_QPSK   | 8.580               | 9.050                 | PASS    |
| n38  | 30           | 10                 | 519000        | 24@0             | DFT_QAM16  | 8.550               | 8.900                 | PASS    |
| n38  | 30           | 10                 | 519000        | 24@0             | DFT_QAM64  | 8.580               | 8.940                 | PASS    |
| n38  | 30           | 10                 | 519000        | 24@0             | DFT_QAM256 | 8.570               | 8.850                 | PASS    |
| n38  | 30           | 15                 | 519000        | 36@0             | DFT_BPSK   | 13.440              | 13.290                | PASS    |
| n38  | 30           | 15                 | 519000        | 36@0             | DFT_QPSK   | 13.490              | 13.310                | PASS    |
| n38  | 30           | 15                 | 519000        | 36@0             | DFT_QAM16  | 13.520              | 13.300                | PASS    |
| n38  | 30           | 15                 | 519000        | 36@0             | DFT_QAM64  | 13.470              | 13.270                | PASS    |
| n38  | 30           | 15                 | 519000        | 36@0             | DFT_QAM256 | 13.420              | 13.240                | PASS    |
| n38  | 30           | 20                 | 519000        | 50@0             | DFT_BPSK   | 18.090              | 18.330                | PASS    |
| n38  | 30           | 20                 | 519000        | 50@0             | DFT_QPSK   | 18.110              | 18.240                | PASS    |
| n38  | 30           | 20                 | 519000        | 50@0             | DFT_QAM16  | 18.150              | 18.270                | PASS    |
| n38  | 30           | 20                 | 519000        | 50@0             | DFT_QAM64  | 18.080              | 18.270                | PASS    |
| n38  | 30           | 20                 | 519000        | 50@0             | DFT_QAM256 | 18.090              | 18.270                | PASS    |

**n38 SCS=30kHz DFT\_BPSK BW=10MHz Channel=519000 RB=24@0**



**n38 SCS=30kHz DFT\_QAM256 BW=15MHz Channel=519000 RB=36@0**



*n38 SCS=30kHz DFT\_QAM256 BW=10MHz Channel=519000 RB=24@0*



*n38 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=519000 RB=50@0*



n38 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=519000 RB=36@0



n38 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=519000 RB=24@0

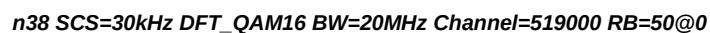
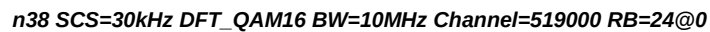




*n38 SCS=30kHz DFT\_BPSK BW=20MHz Channel=519000 RB=50@0*

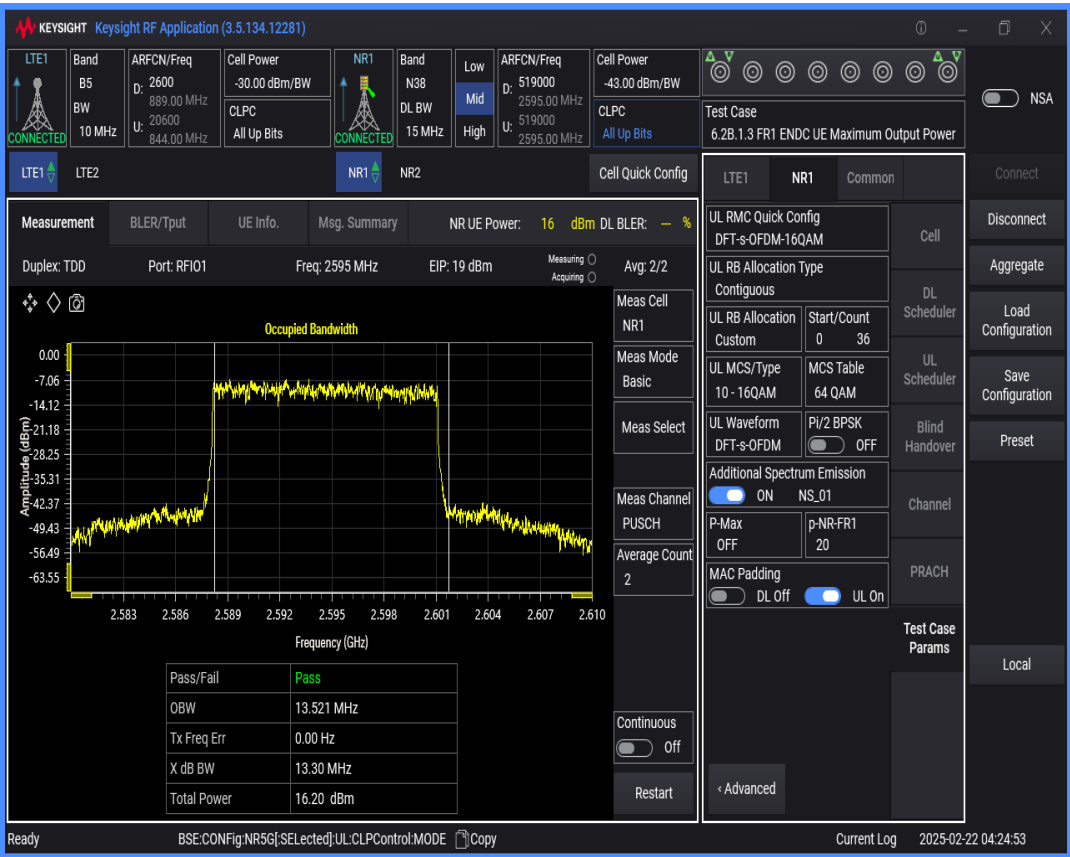


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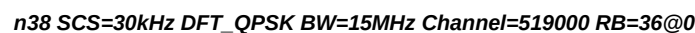
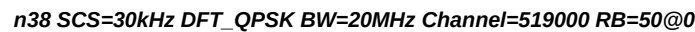


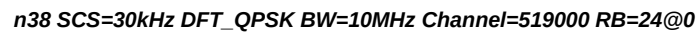


*n38 SCS=30kHz DFT\_QAM16 BW=15MHz Channel=519000 RB=36@0*



*n38 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=519000 RB=50@0*

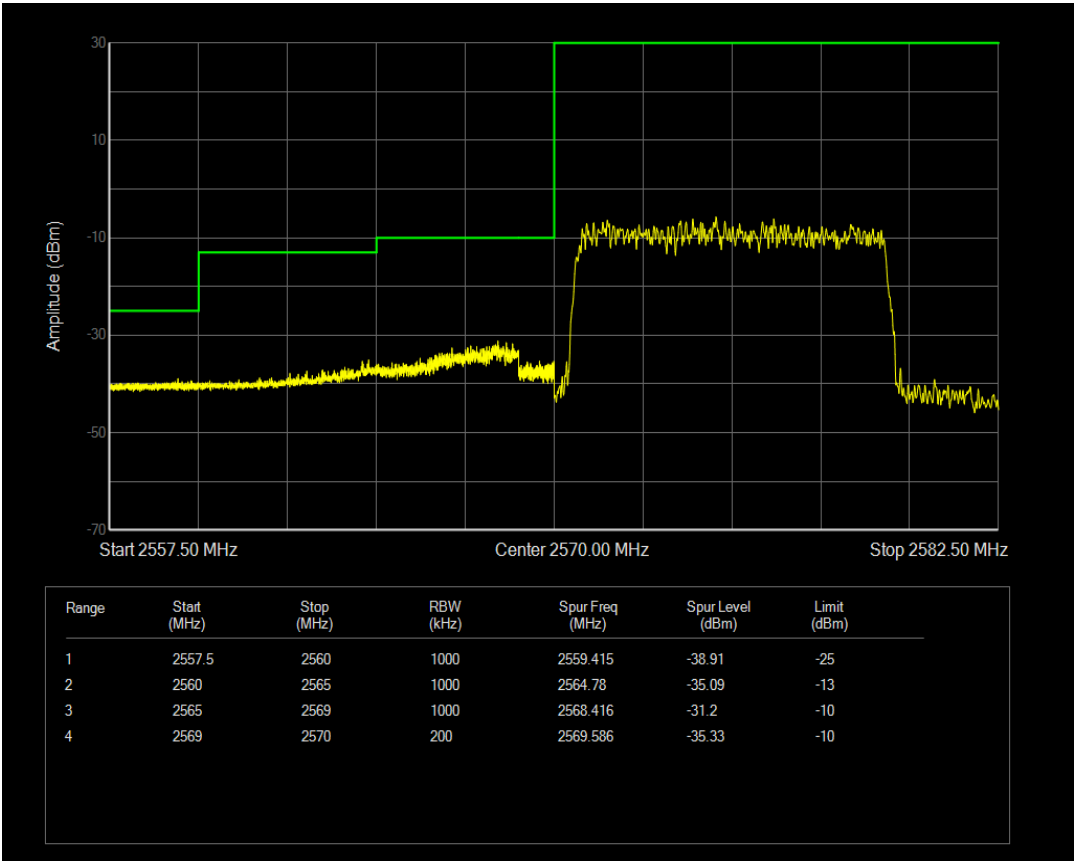




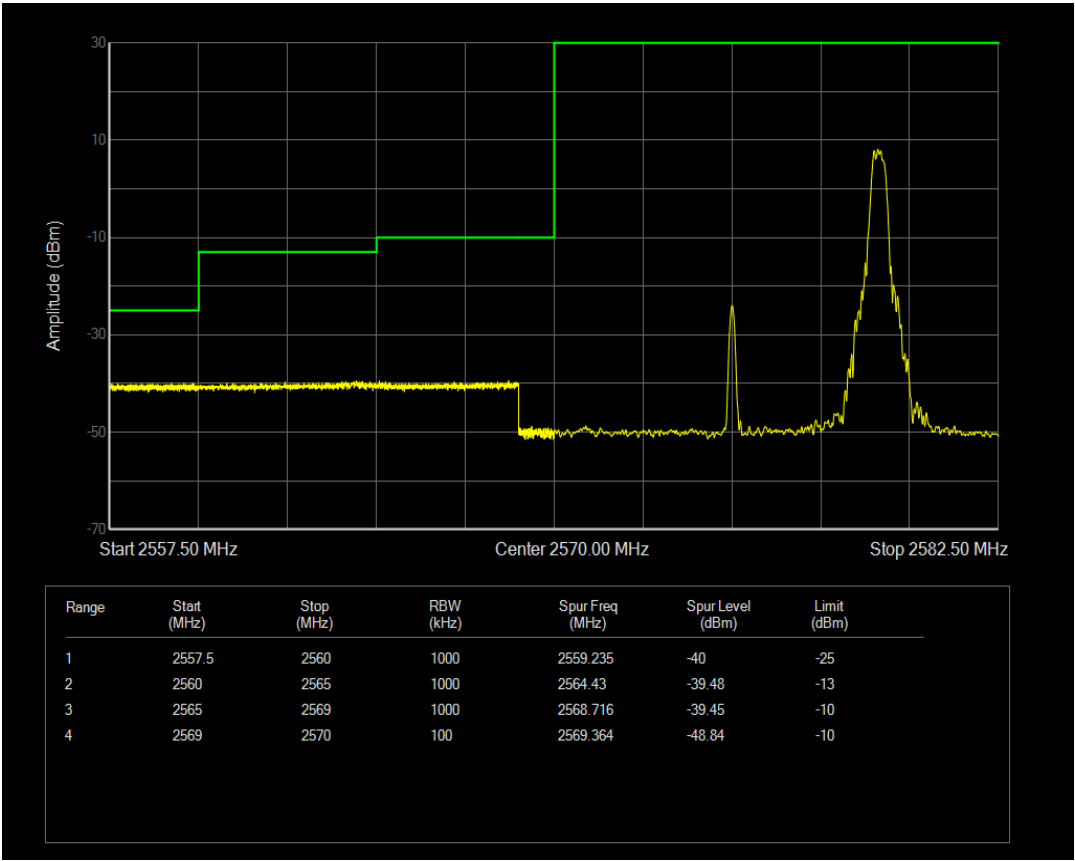
## 5 Band edge for EN-DC

| <b>Band</b> | <b>SCS<br/>(kHz)</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Allocation</b> | <b>Modulation</b> | <b>Spur<br/>Freq<br/>(MHz)</b> | <b>Spur<br/>Level<br/>(dBm)</b> | <b>Limit<br/>(dBm)</b> | <b>Verdict</b> |
|-------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|--------------------------------|---------------------------------|------------------------|----------------|
| n38         | 30                   | 10                         | 515000                | 24@0                     | CP_QPSK           | 2559.42                        | -38.91                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 515000                | 1@0                      | CP_QPSK           | 2558.00                        | -39.92                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 515000                | 1@23                     | CP_QPSK           | 2559.24                        | -40.00                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | CP_QPSK           | 2630.52                        | -38.96                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 1@0                      | CP_QPSK           | 2630.31                        | -39.46                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 1@23                     | CP_QPSK           | 2632.14                        | -39.48                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 38@0                     | CP_QPSK           | 2553.61                        | -39.65                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 1@0                      | CP_QPSK           | 2554.67                        | -39.60                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 1@37                     | CP_QPSK           | 2551.73                        | -39.86                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 38@0                     | CP_QPSK           | 2635.24                        | -39.41                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 1@0                      | CP_QPSK           | 2635.97                        | -39.64                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 1@37                     | CP_QPSK           | 2638.22                        | -39.59                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 51@0                     | CP_QPSK           | 2549.85                        | -39.61                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 1@0                      | CP_QPSK           | 2547.01                        | -39.86                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 1@50                     | CP_QPSK           | 2547.21                        | -40.04                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 51@0                     | CP_QPSK           | 2640.06                        | -39.55                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 1@0                      | CP_QPSK           | 2643.72                        | -39.55                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 1@50                     | CP_QPSK           | 2641.25                        | -39.69                          | -25                    | PASS           |

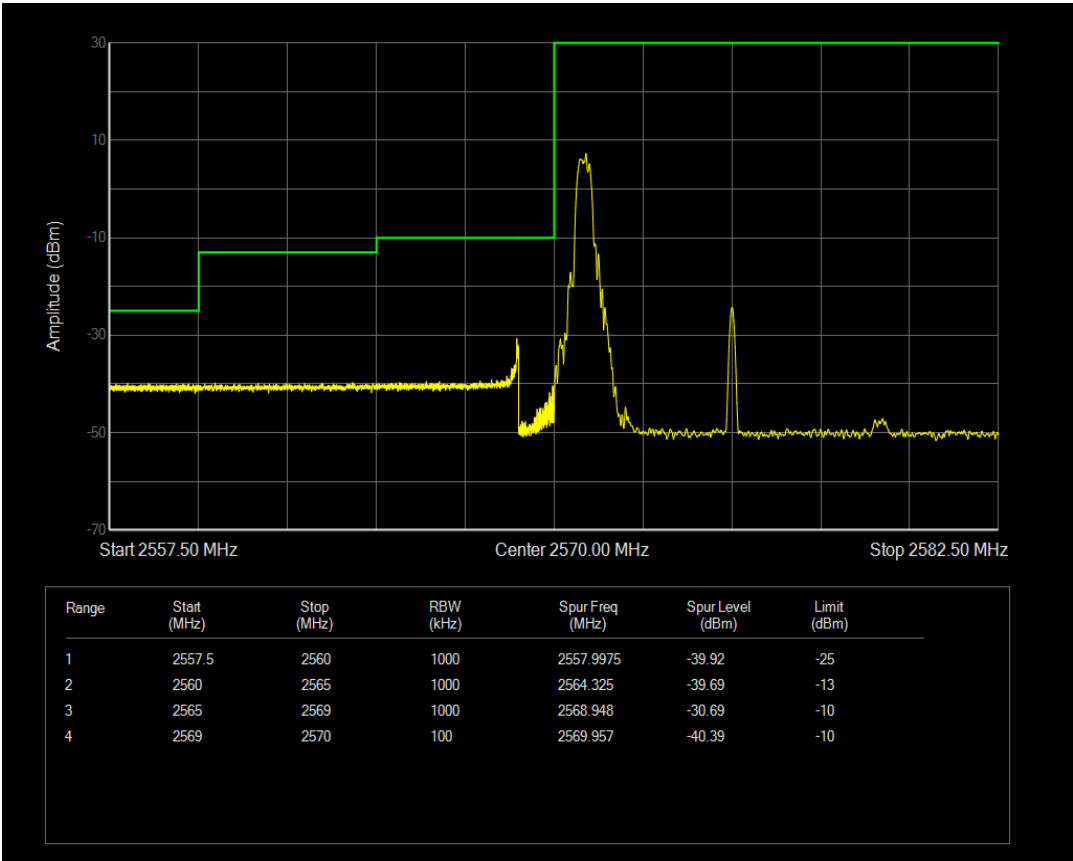
***n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=24@0***



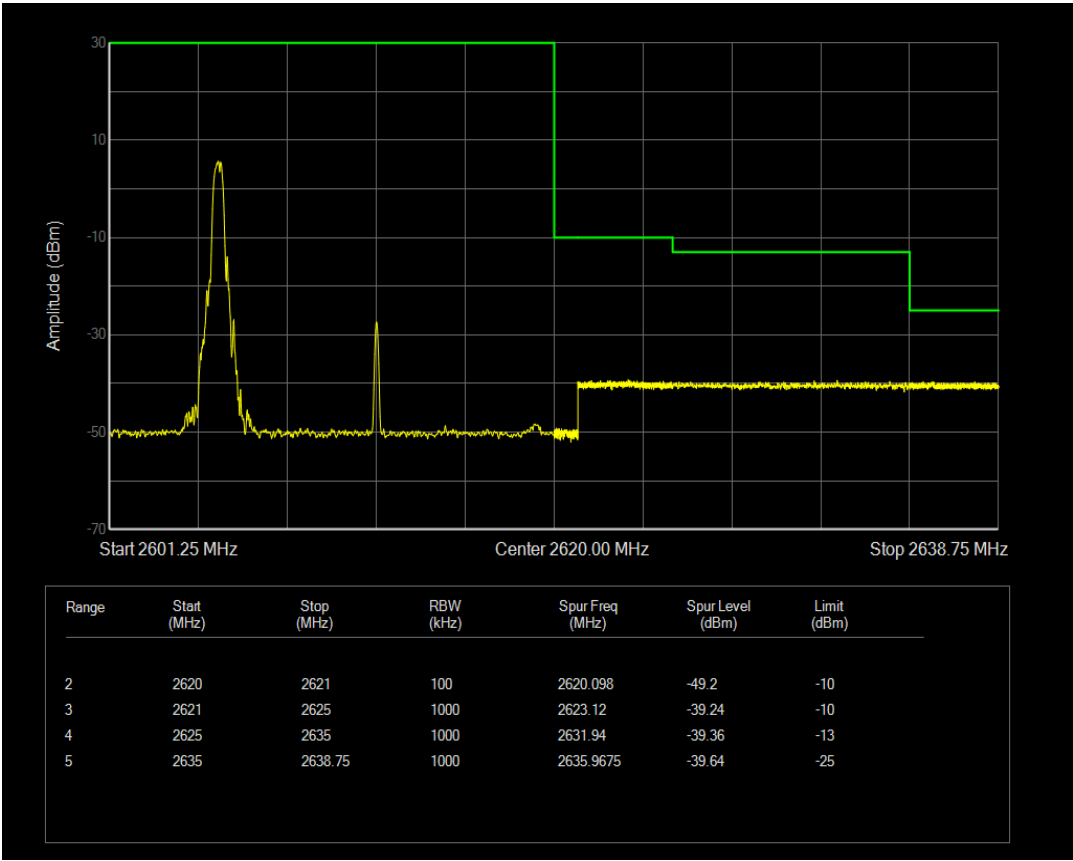
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=1@23*



*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=1@0*

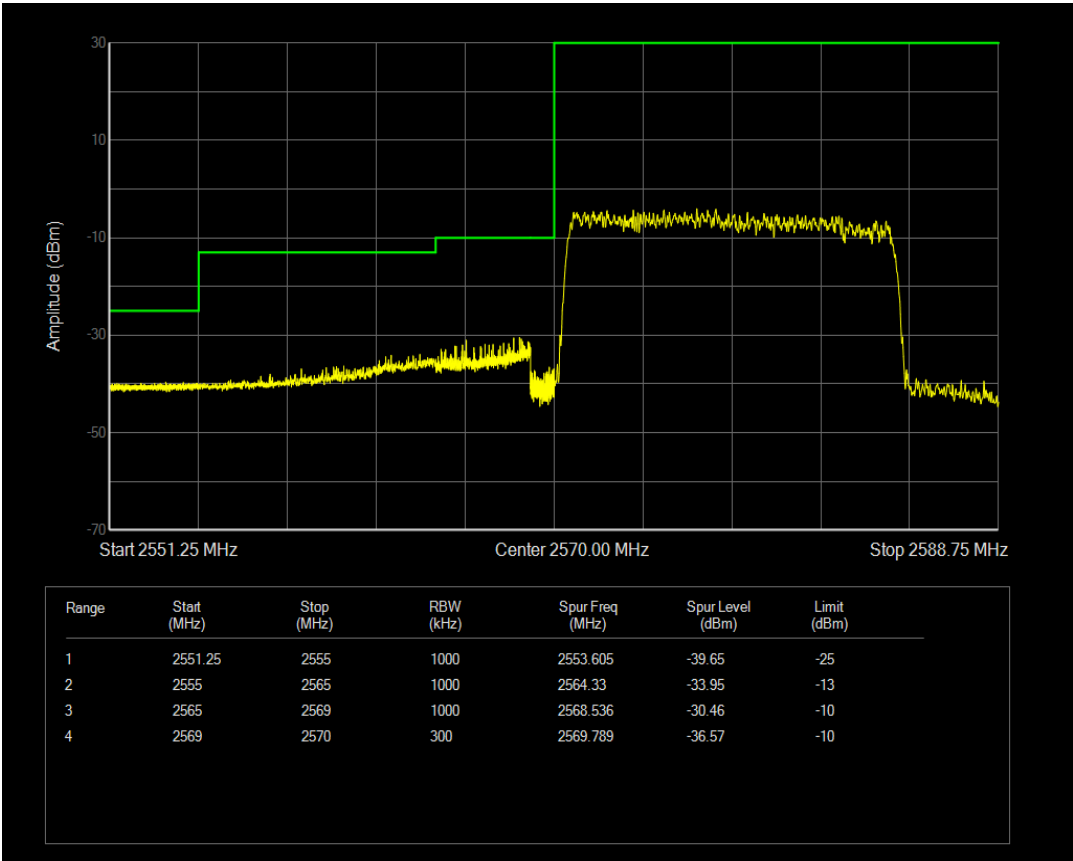


*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=522500 RB=1@0*

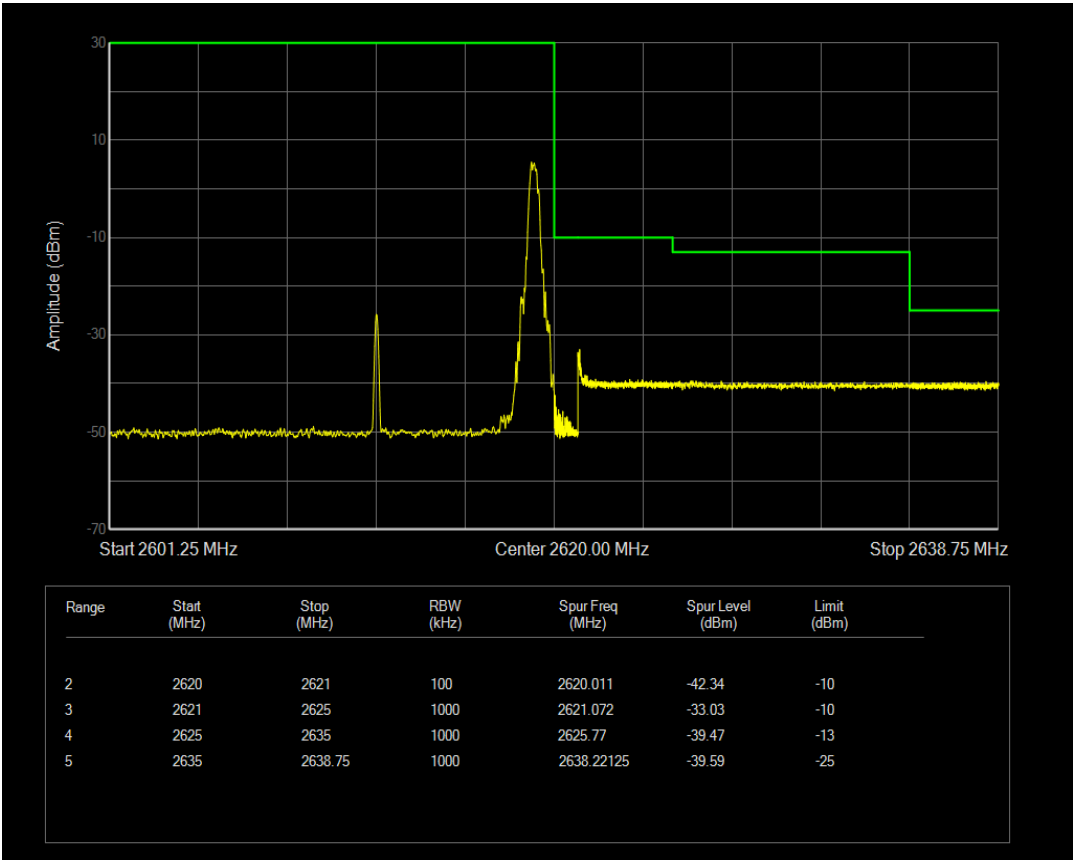


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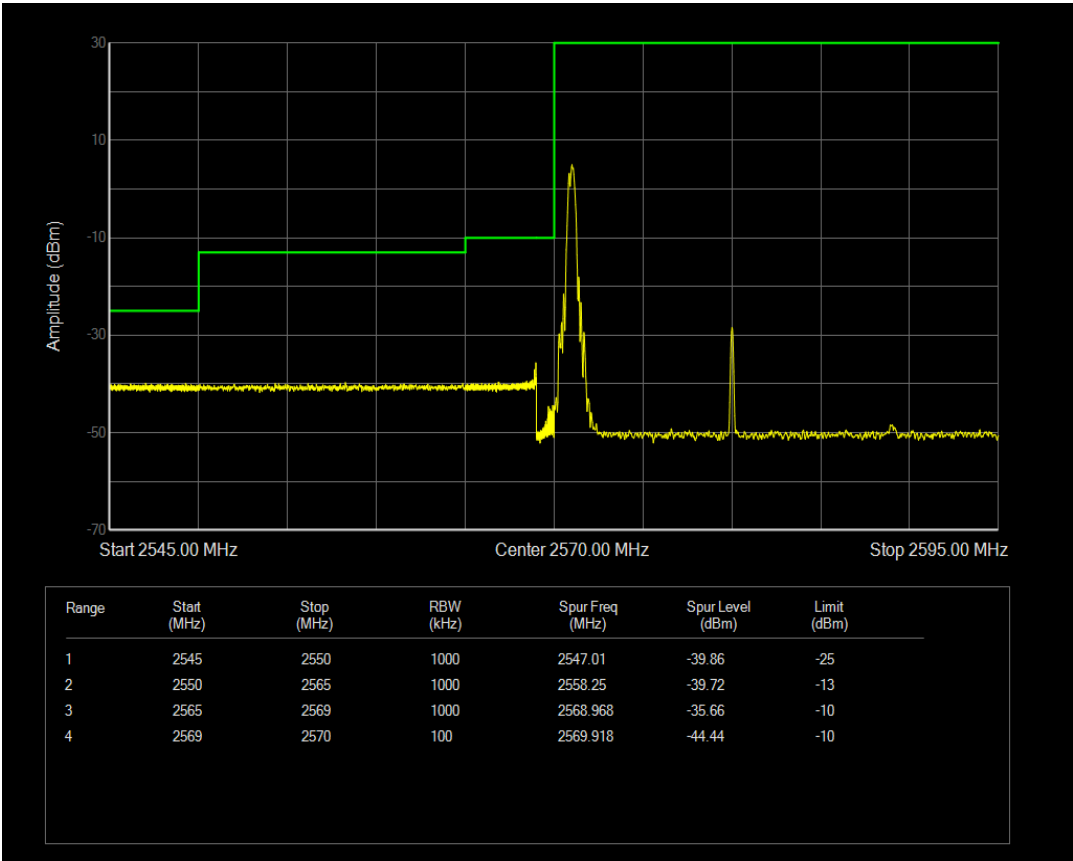




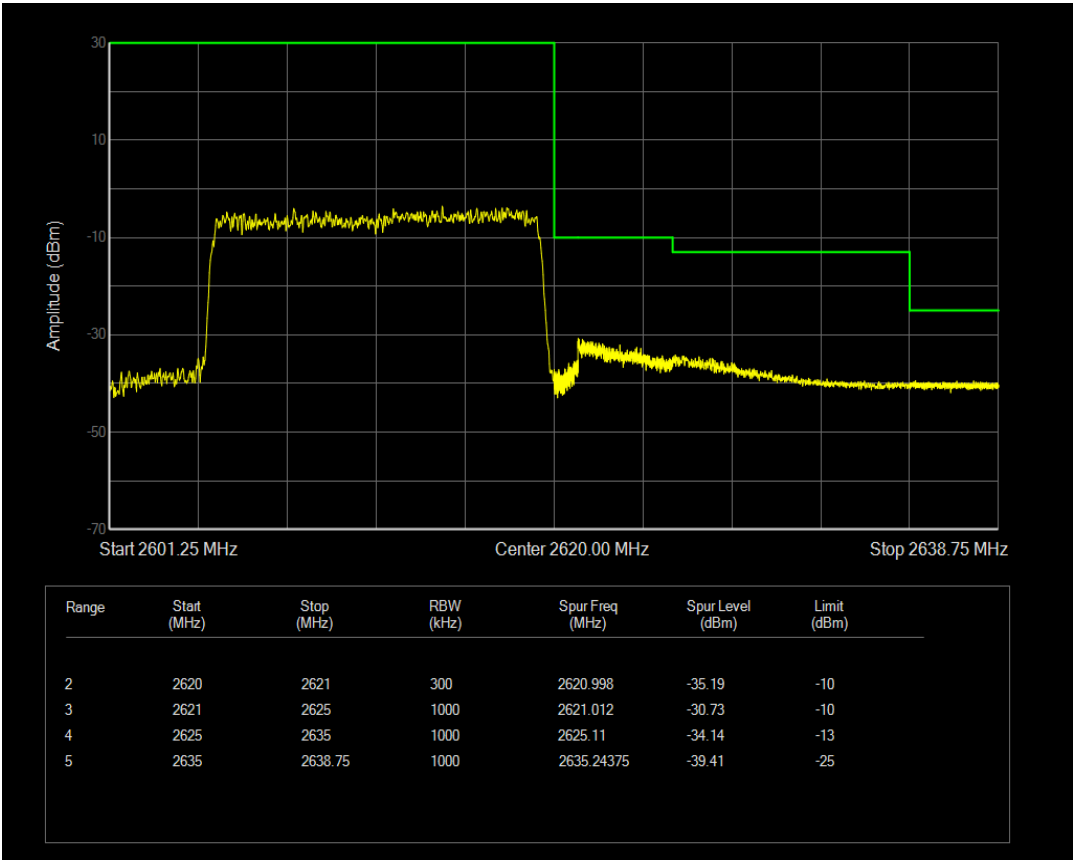
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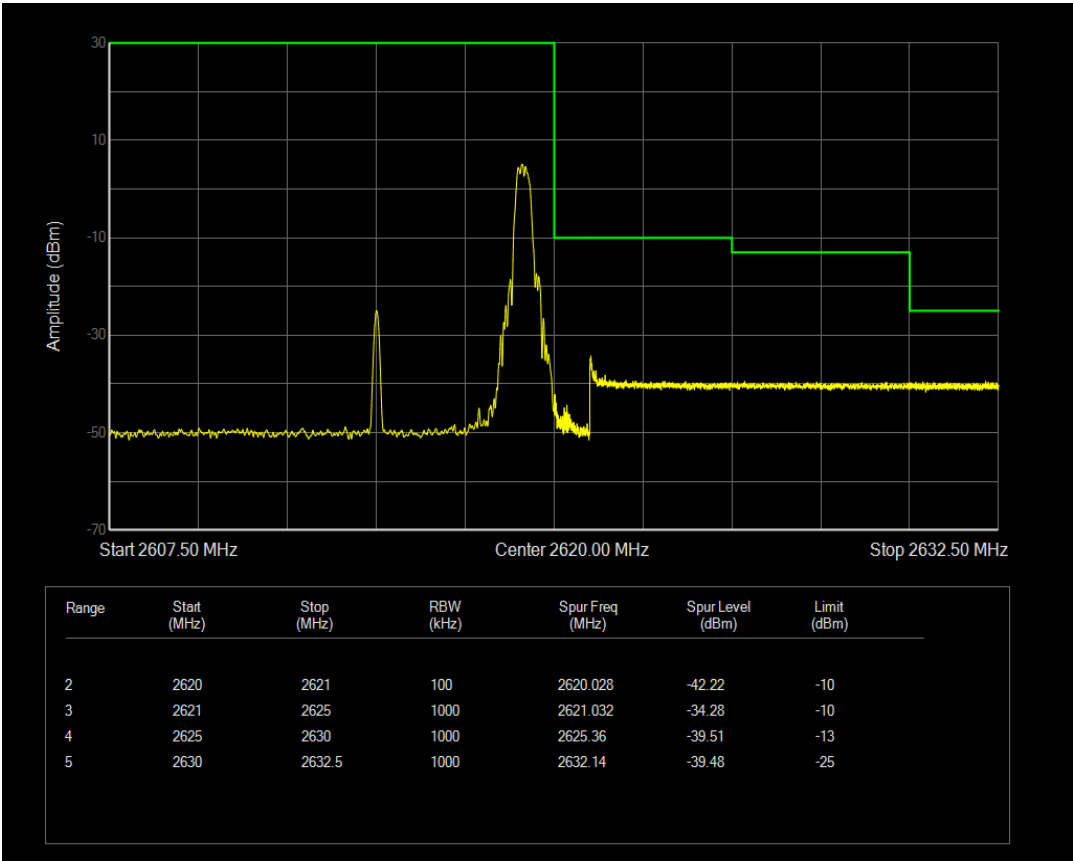
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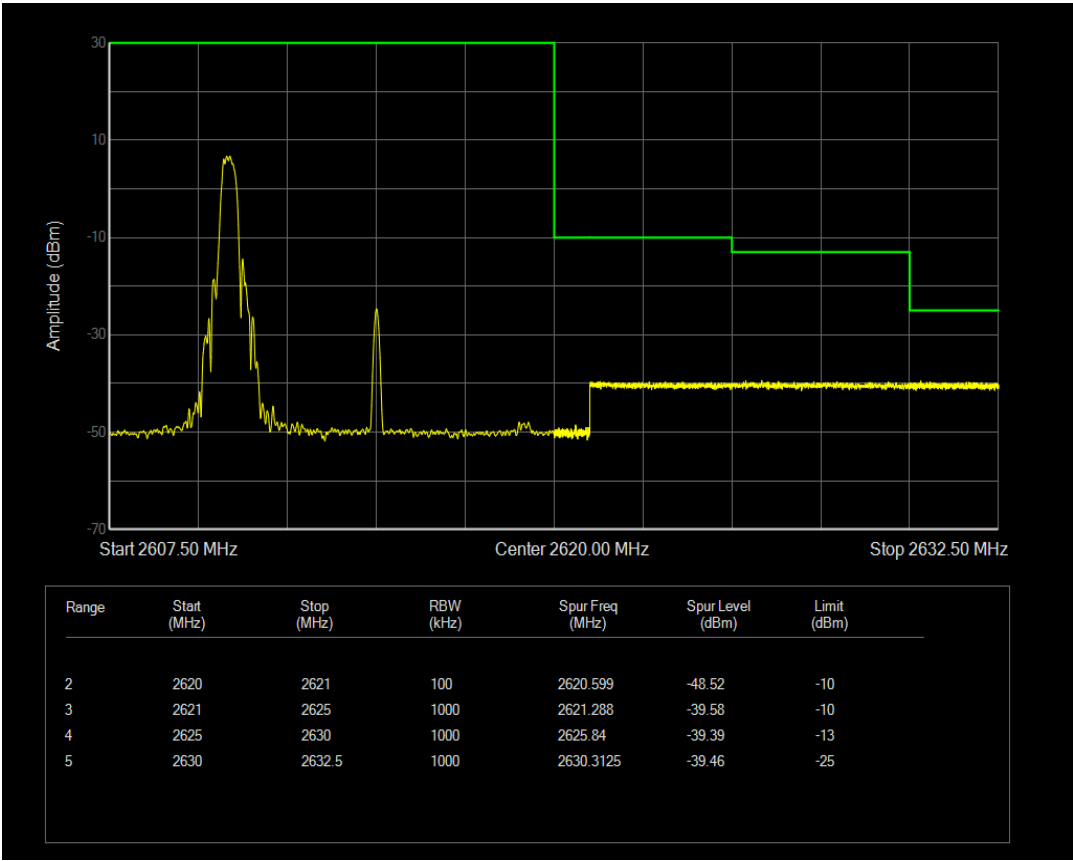
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=522500 RB=38@0*



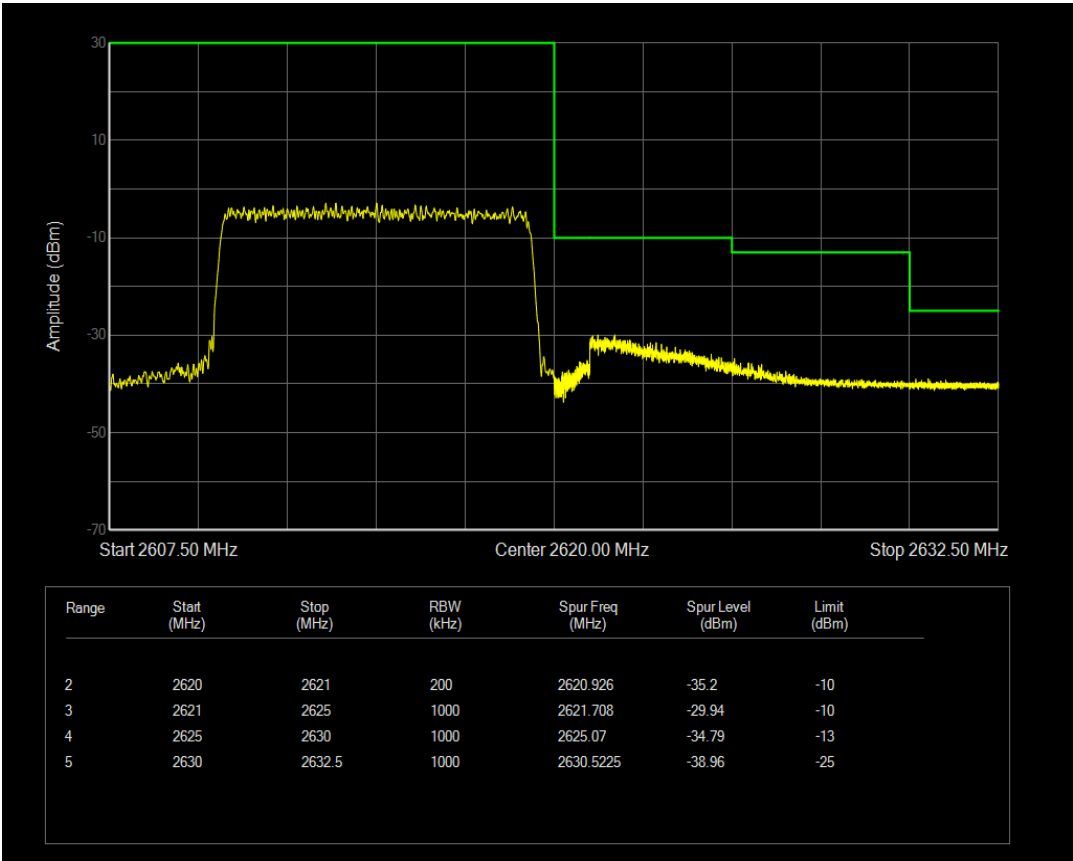
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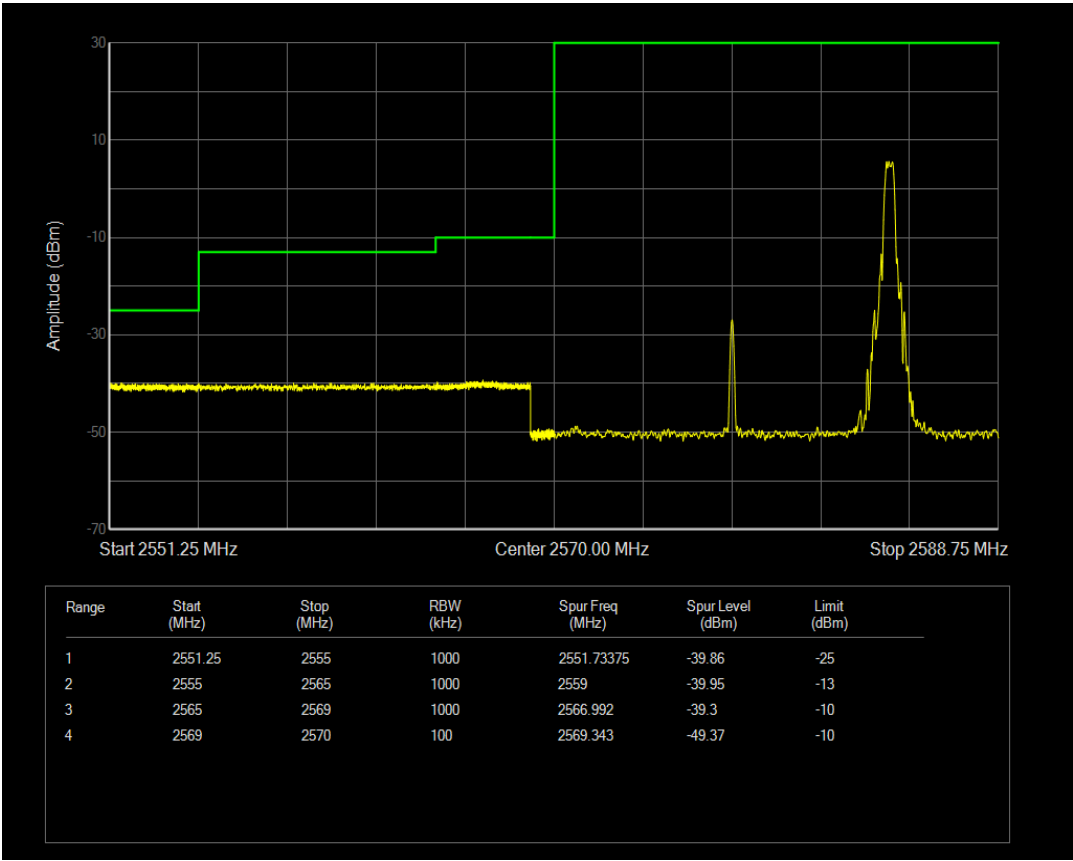
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=523000 RB=1@0*



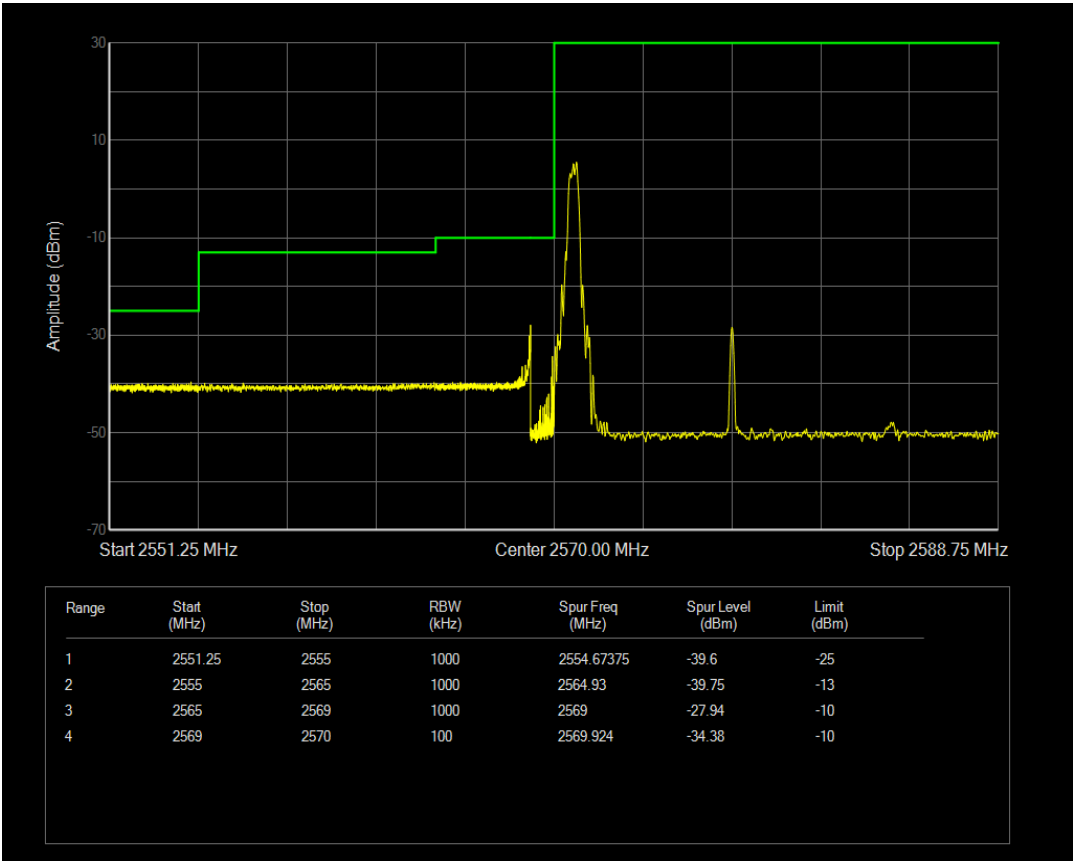
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=523000 RB=24@0*



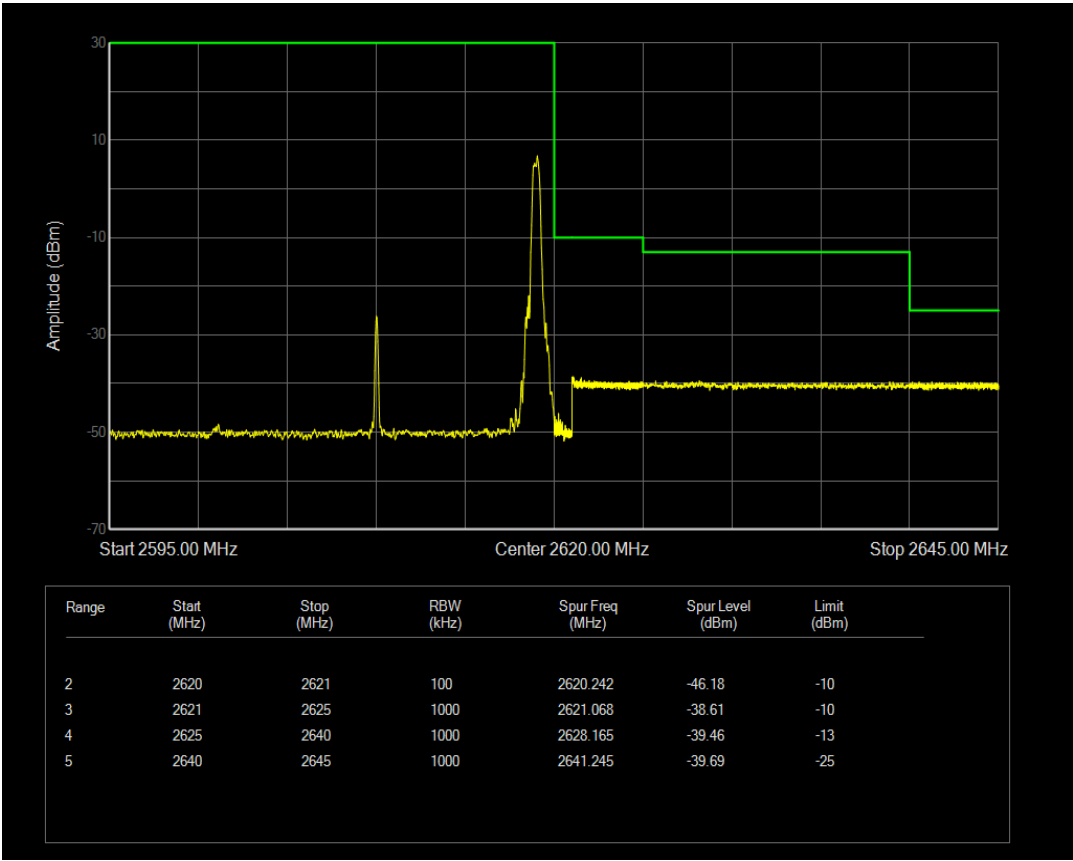
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=515500 RB=1@37*



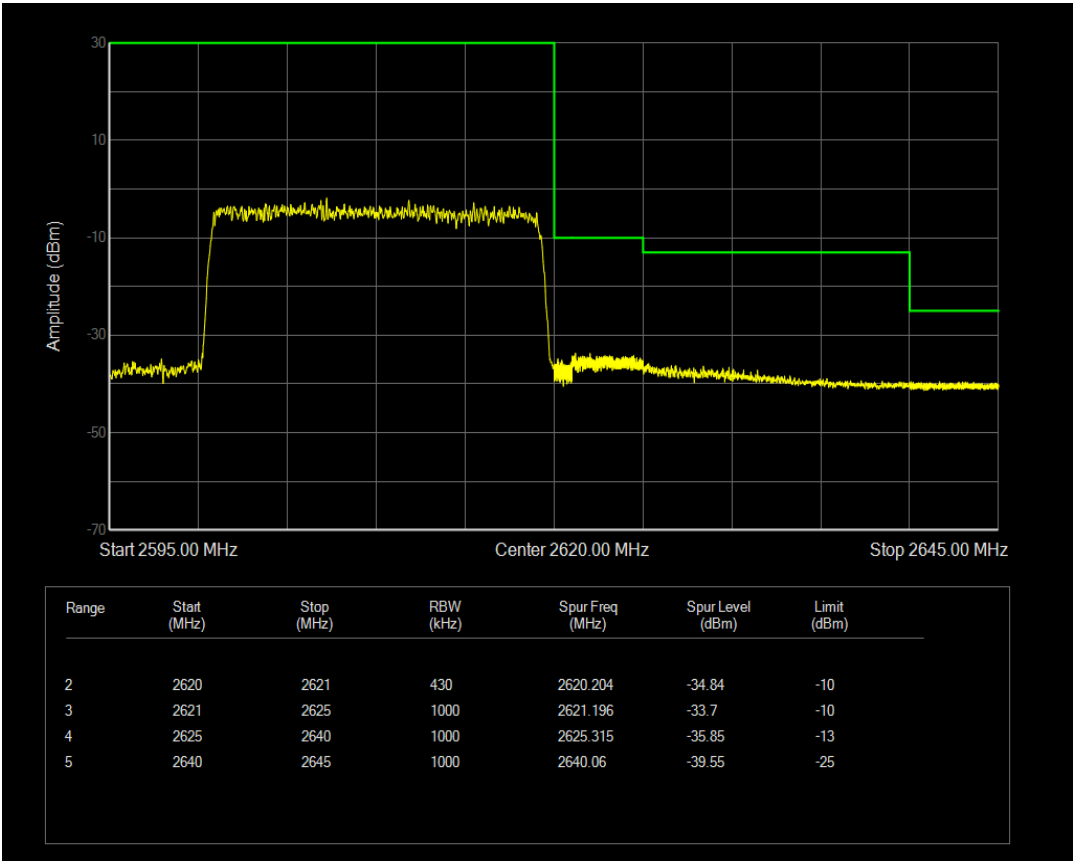
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=515500 RB=1@0*



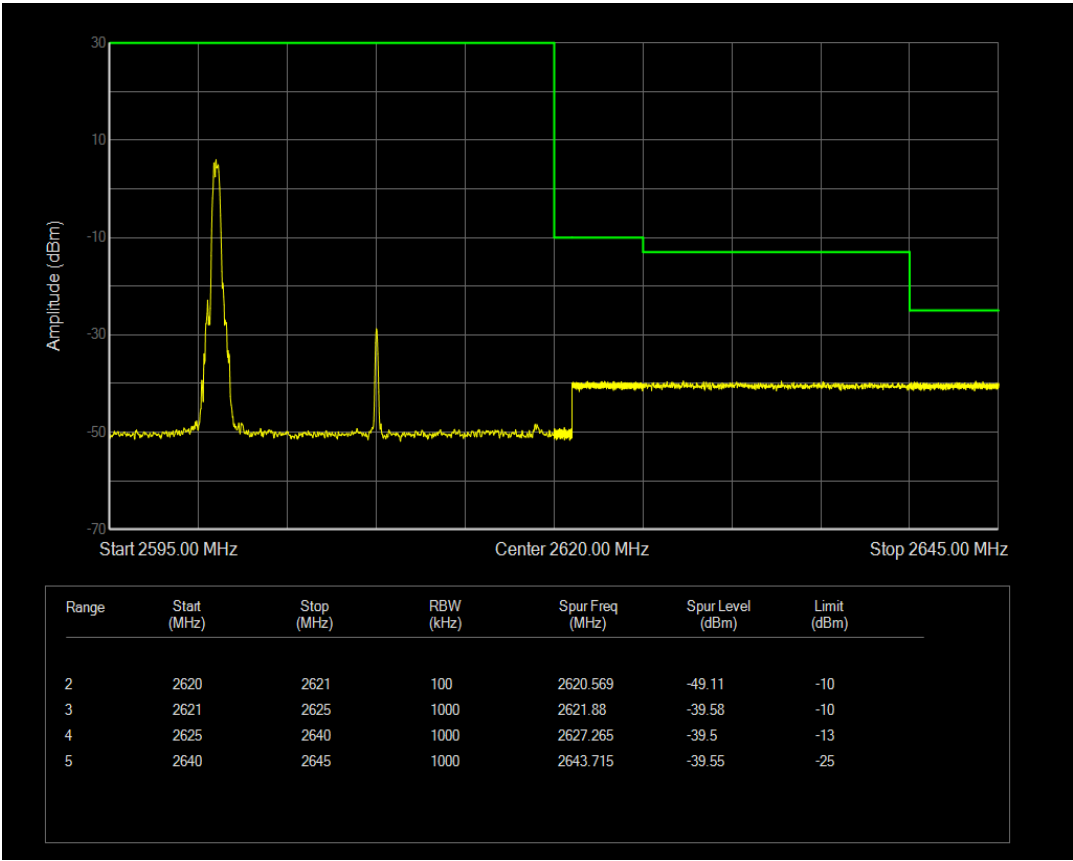
*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=1@50*



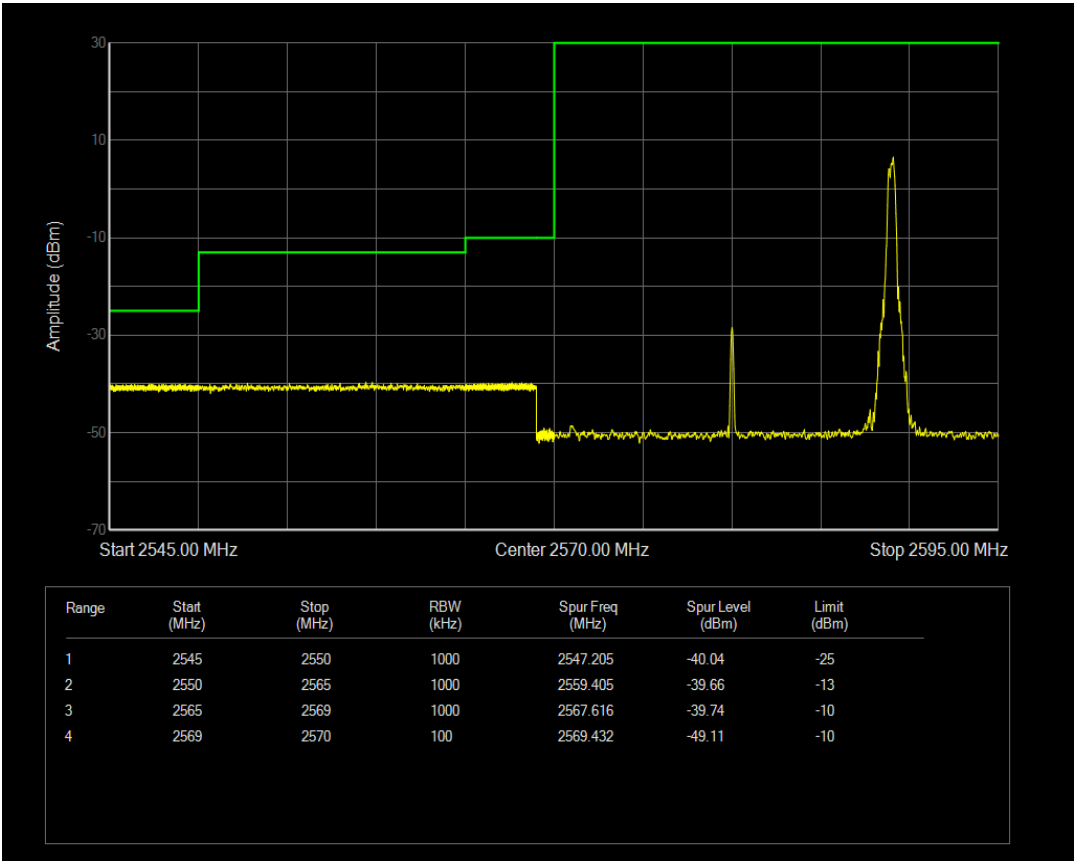
*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=51@0*



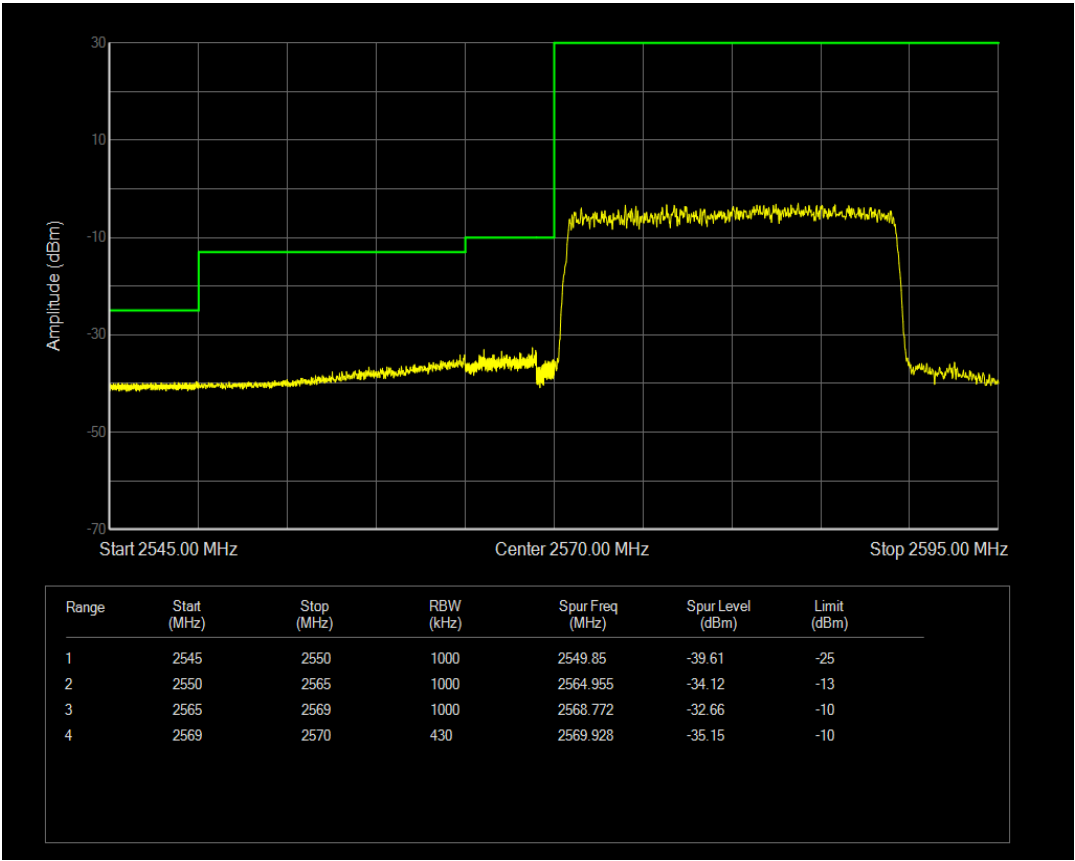
*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=1@0*



*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=516000 RB=1@50*



*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=516000 RB=51@0*

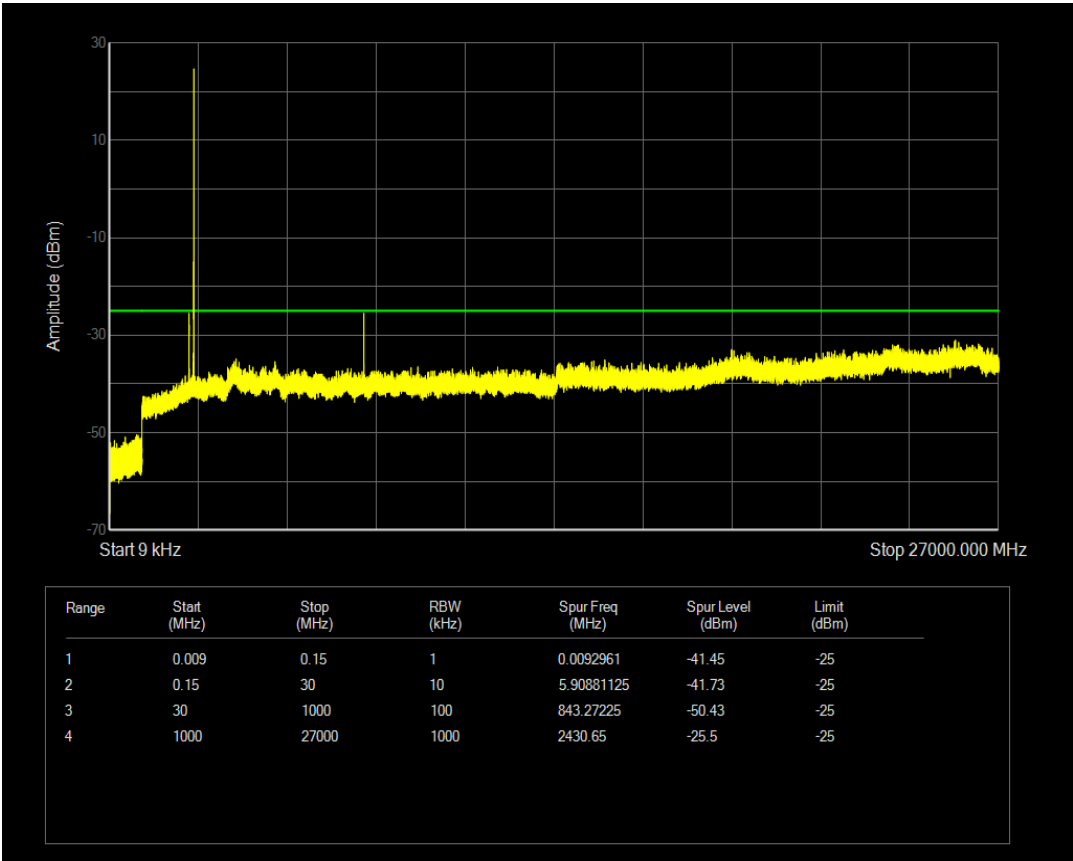


## 6 Out-of-band emissions for EN-DC

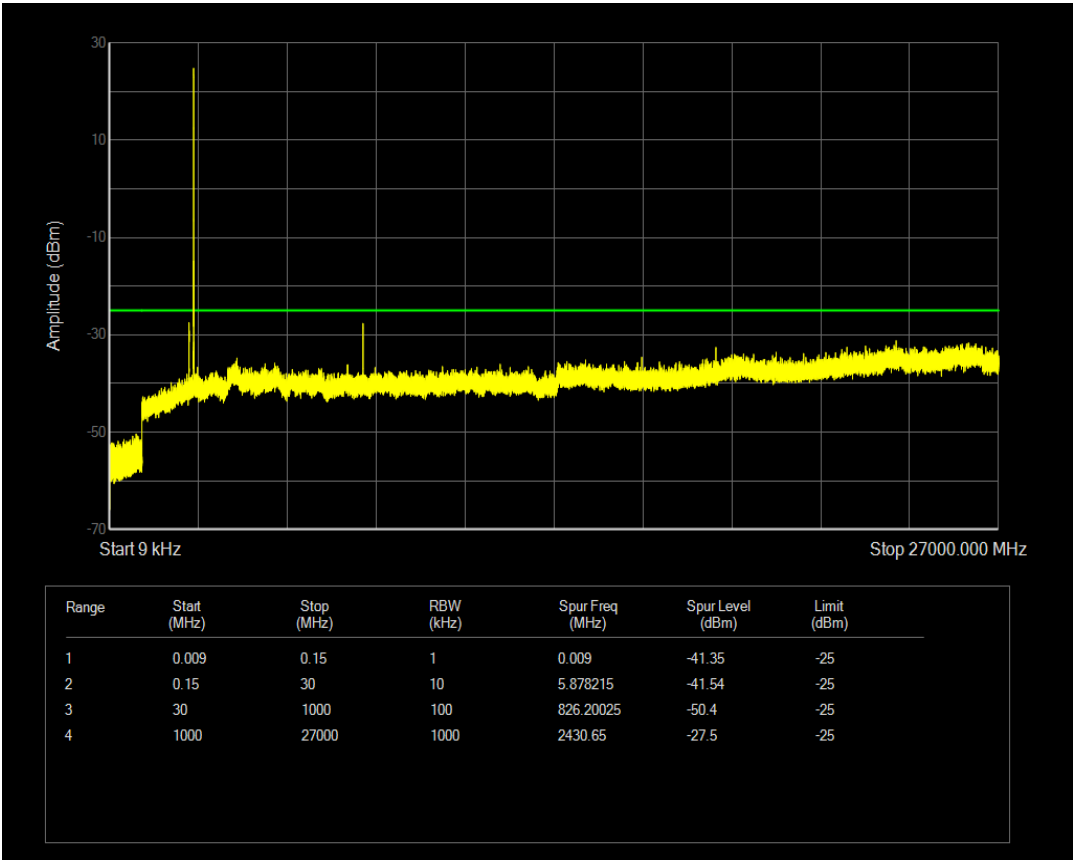
| <i>Band</i> | <i>SCS<br/>(kHz)</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Allocation</i> | <i>Modulation</i> | <i>Spur<br/>Freq<br/>(MHz)</i> | <i>Spur<br/>Level<br/>(dBm)</i> | <i>Limit<br/>(dBm)</i> | <i>Verdict</i> |
|-------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|--------------------------------|---------------------------------|------------------------|----------------|
| n38         | 30                   | 10                         | 515000                | 24@0                     | CP_QPSK           | 2430.00                        | -27.31                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 515000                | 1@0                      | CP_QPSK           | 2430.65                        | -27.50                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 515000                | 1@23                     | CP_QPSK           | 2430.65                        | -25.50                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 24@0                     | CP_QPSK           | 2431.30                        | -26.48                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 1@0                      | CP_QPSK           | 2430.00                        | -27.38                          | -25                    | PASS           |
| n38         | 30                   | 10                         | 523000                | 1@23                     | CP_QPSK           | 2430.65                        | -26.47                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 38@0                     | CP_QPSK           | 2430.65                        | -28.61                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 1@0                      | CP_QPSK           | 7712.55                        | -26.48                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 515500                | 1@37                     | CP_QPSK           | 7752.85                        | -26.27                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 38@0                     | CP_QPSK           | 25685.70                       | -30.69                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 1@0                      | CP_QPSK           | 2428.70                        | -27.76                          | -25                    | PASS           |
| n38         | 30                   | 15                         | 522500                | 1@37                     | CP_QPSK           | 2432.60                        | -29.51                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 51@0                     | CP_QPSK           | 26315.55                       | -31.62                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 1@0                      | CP_QPSK           | 2428.70                        | -26.24                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 516000                | 1@50                     | CP_QPSK           | 2431.30                        | -26.52                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 51@0                     | CP_QPSK           | 2430.65                        | -26.38                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 1@0                      | CP_QPSK           | 2432.60                        | -28.74                          | -25                    | PASS           |
| n38         | 30                   | 20                         | 522000                | 1@50                     | CP_QPSK           | 2433.25                        | -27.45                          | -25                    | PASS           |

***n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=1@23***

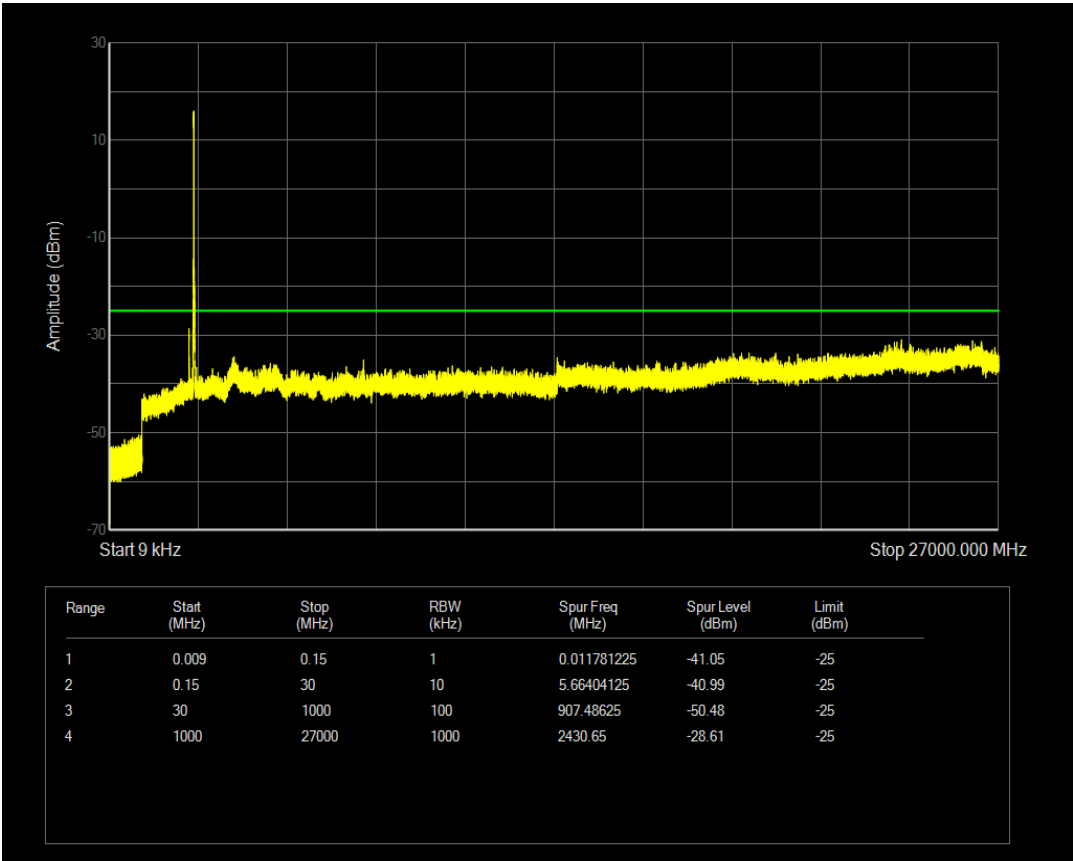




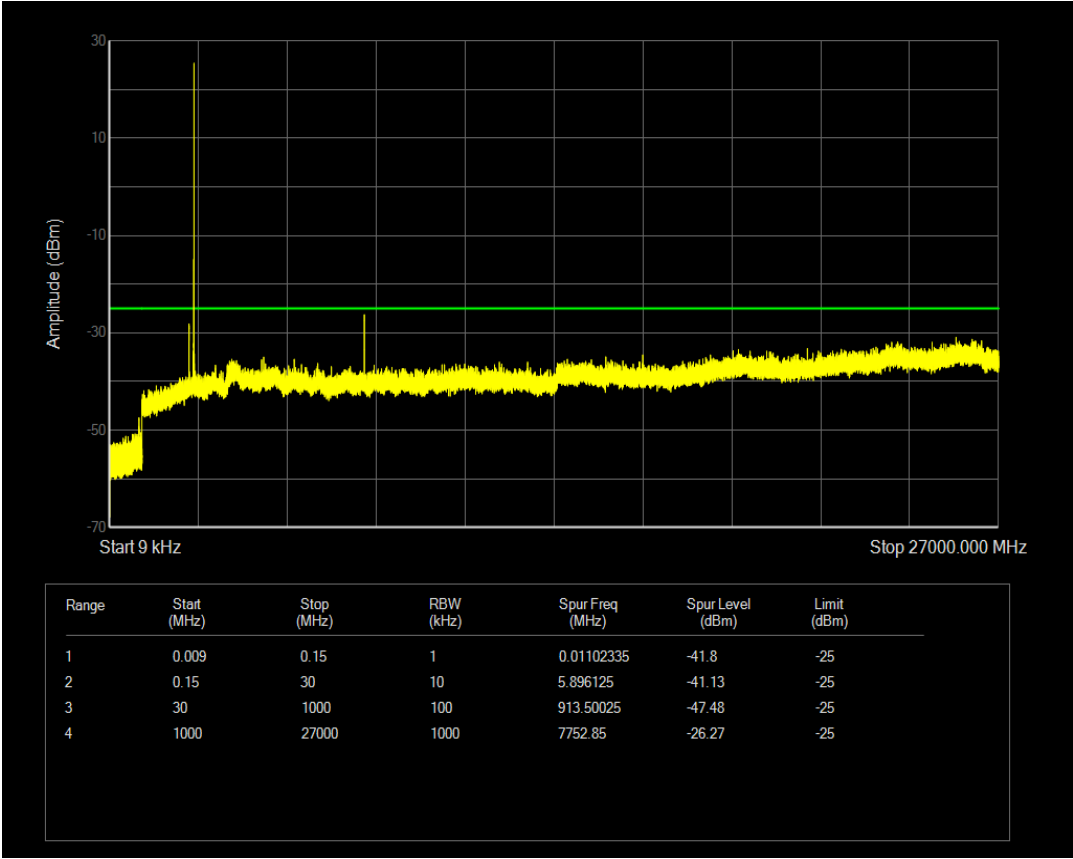
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=1@0*



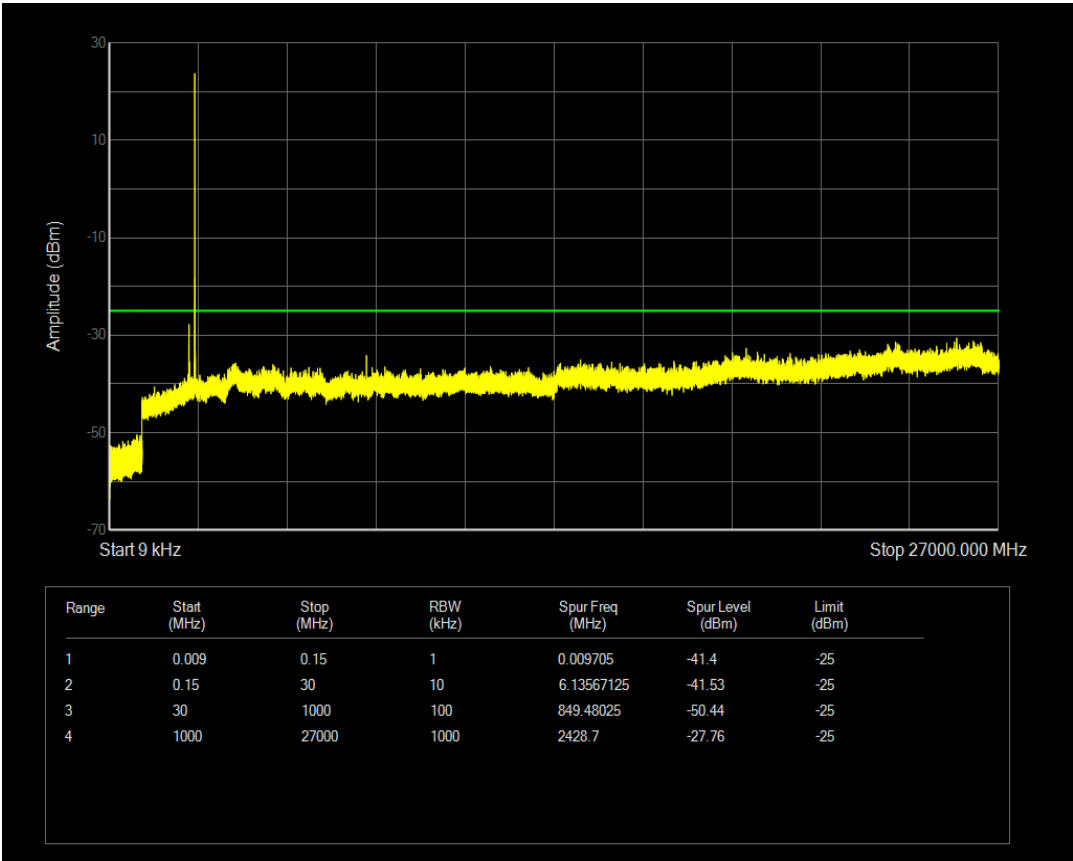
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=515500 RB=38@0*



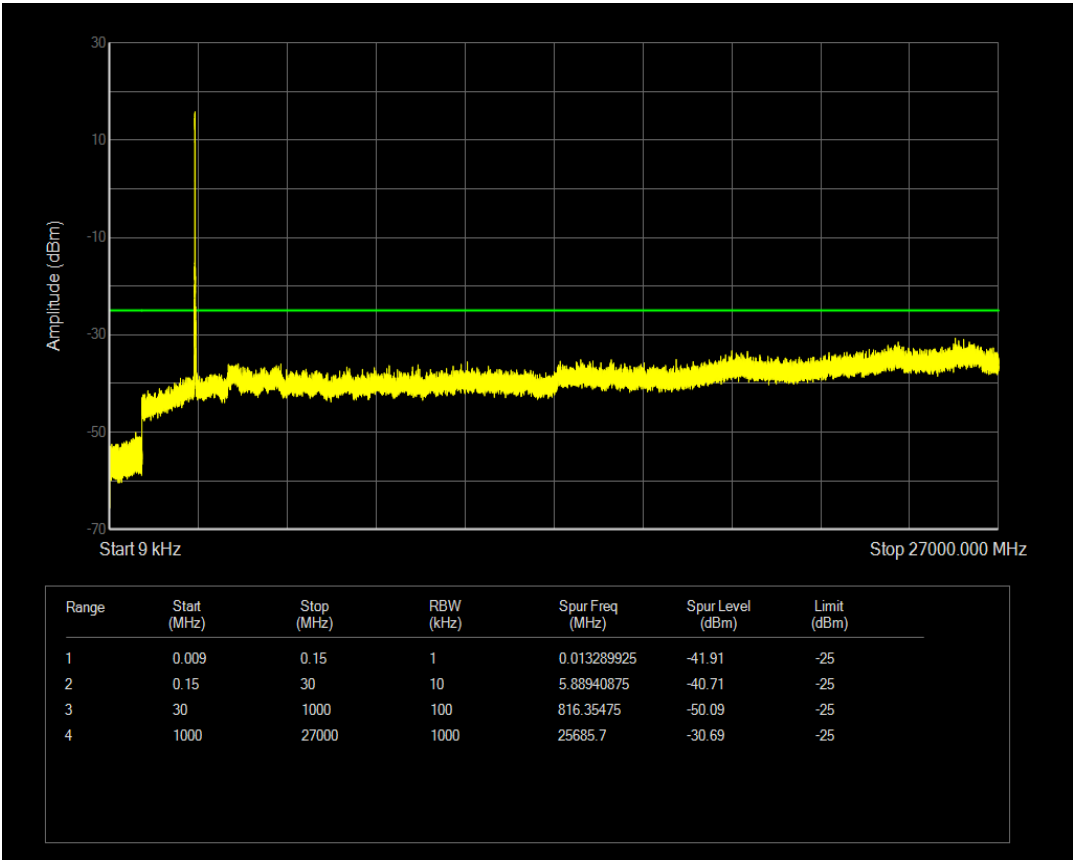
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=515500 RB=1@37*



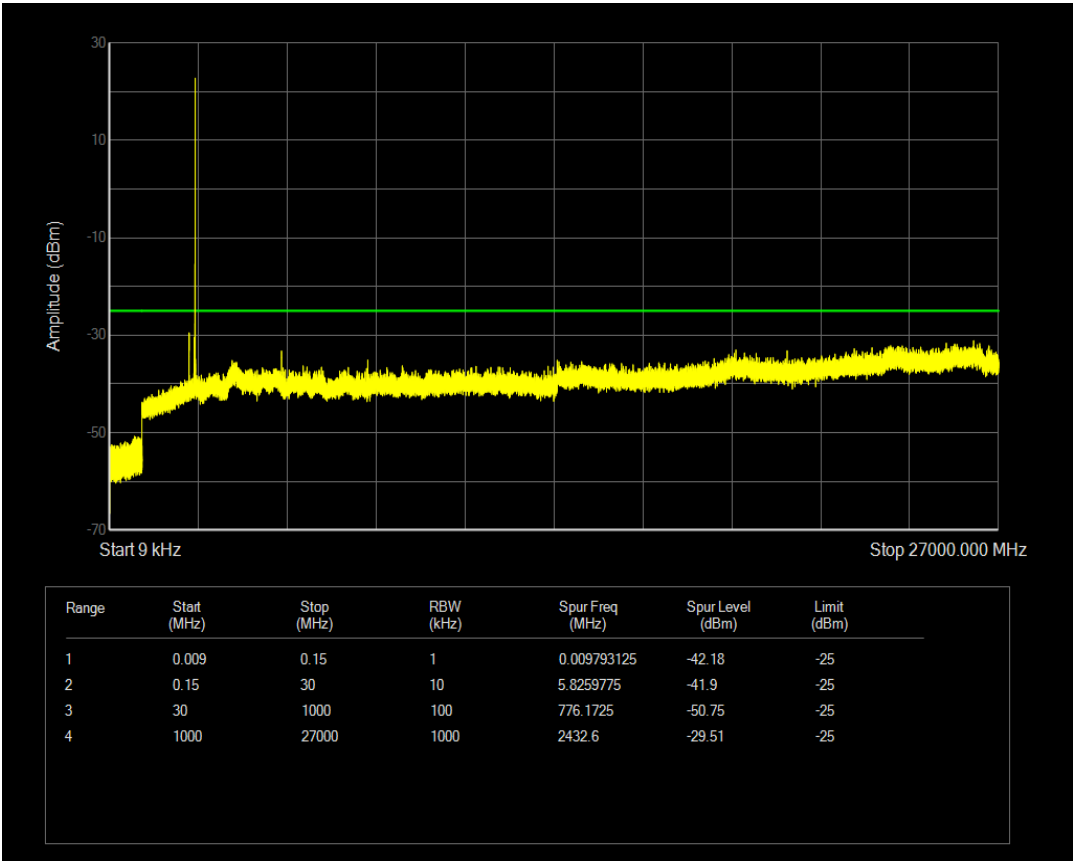
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=522500 RB=1@0*



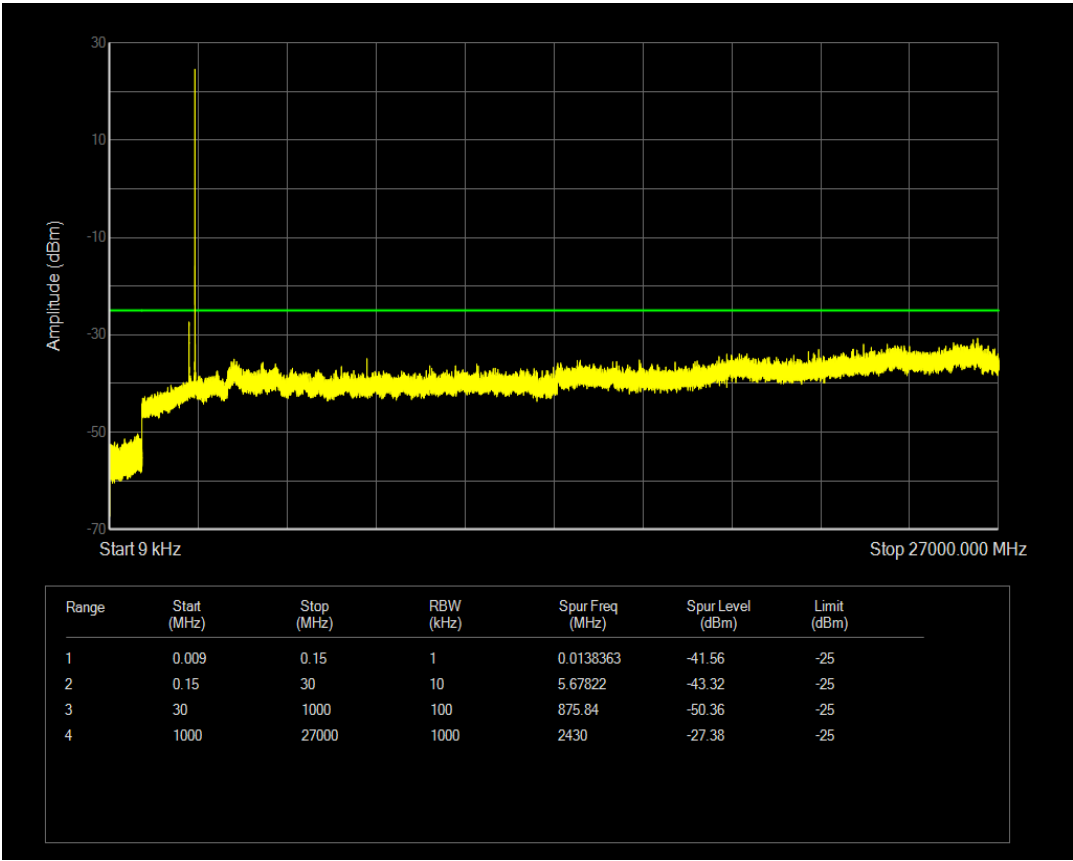
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=522500 RB=38@0*



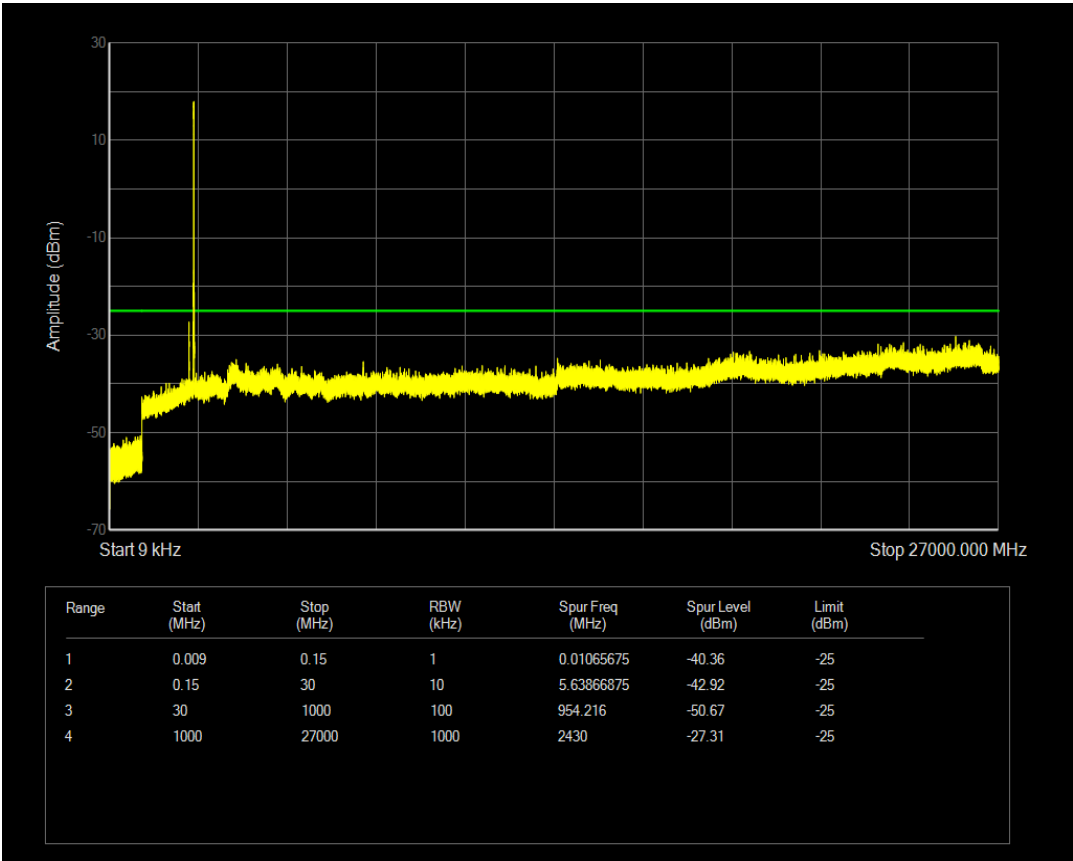
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=522500 RB=1@37*



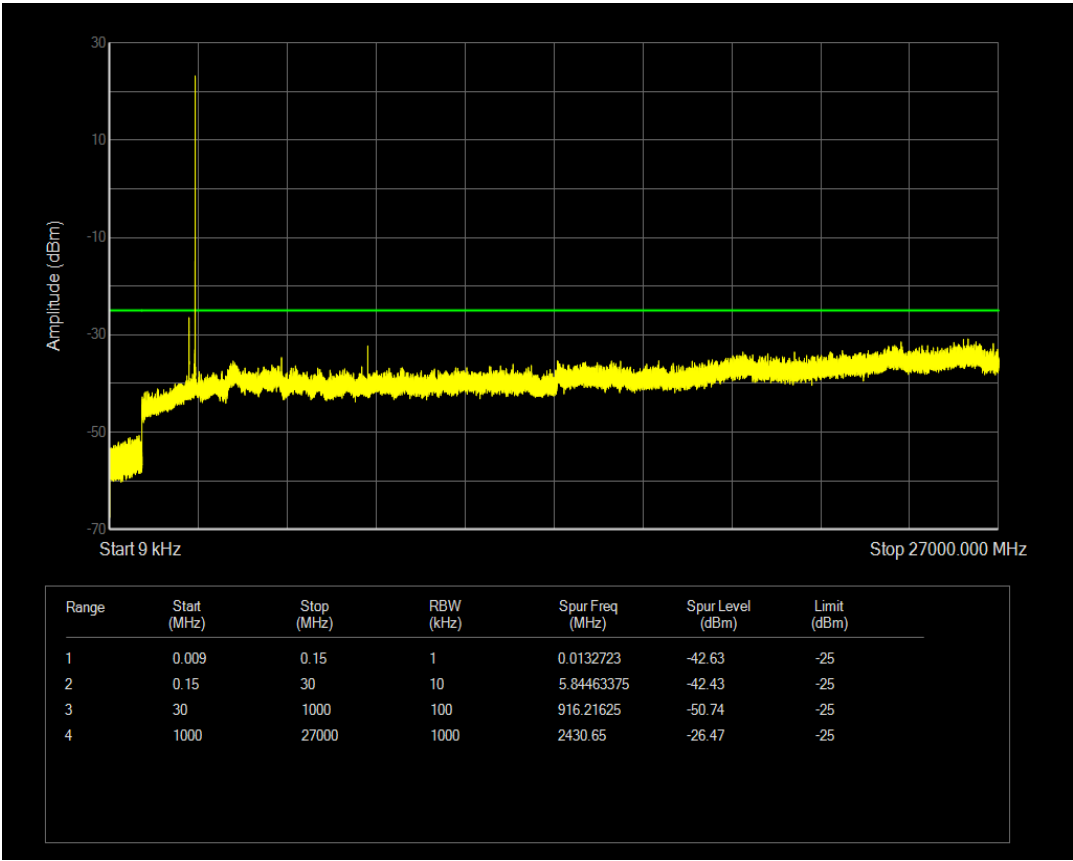
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=523000 RB=1@0*



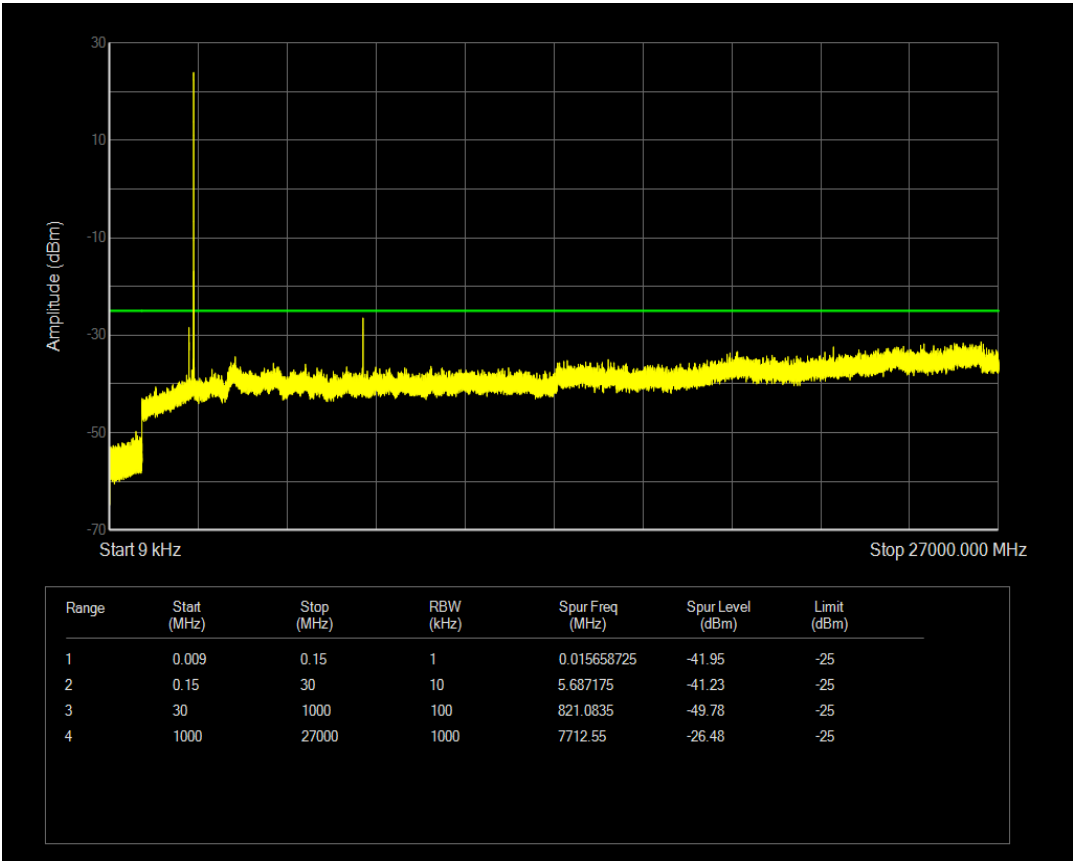
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=515000 RB=24@0*



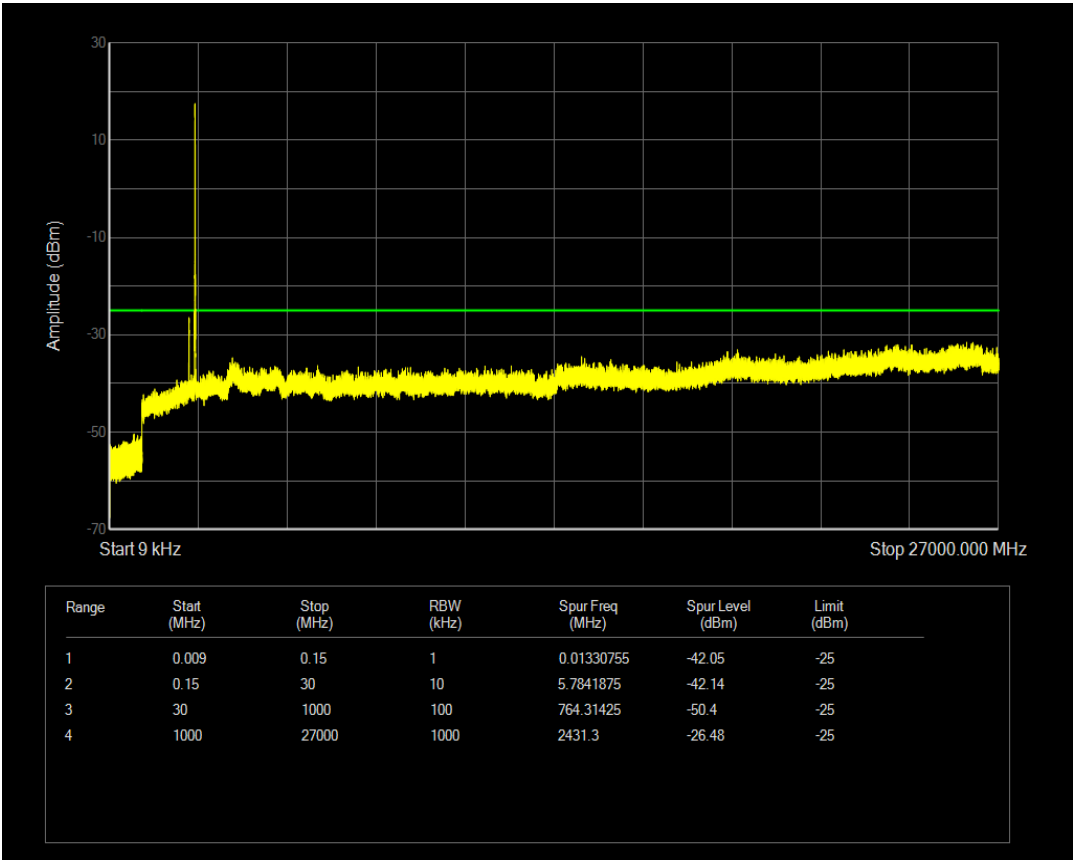
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=523000 RB=1@23*



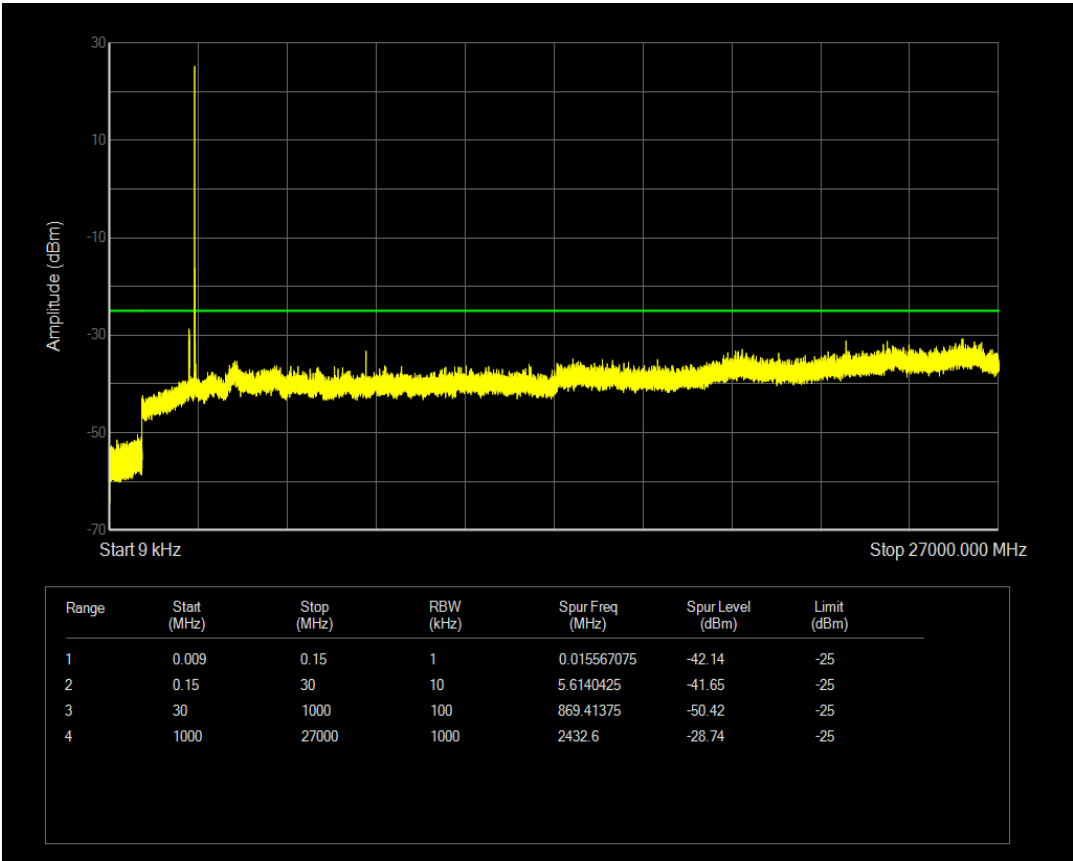
*n38 SCS=30kHz CP\_QPSK BW=15MHz Channel=515500 RB=1@0*



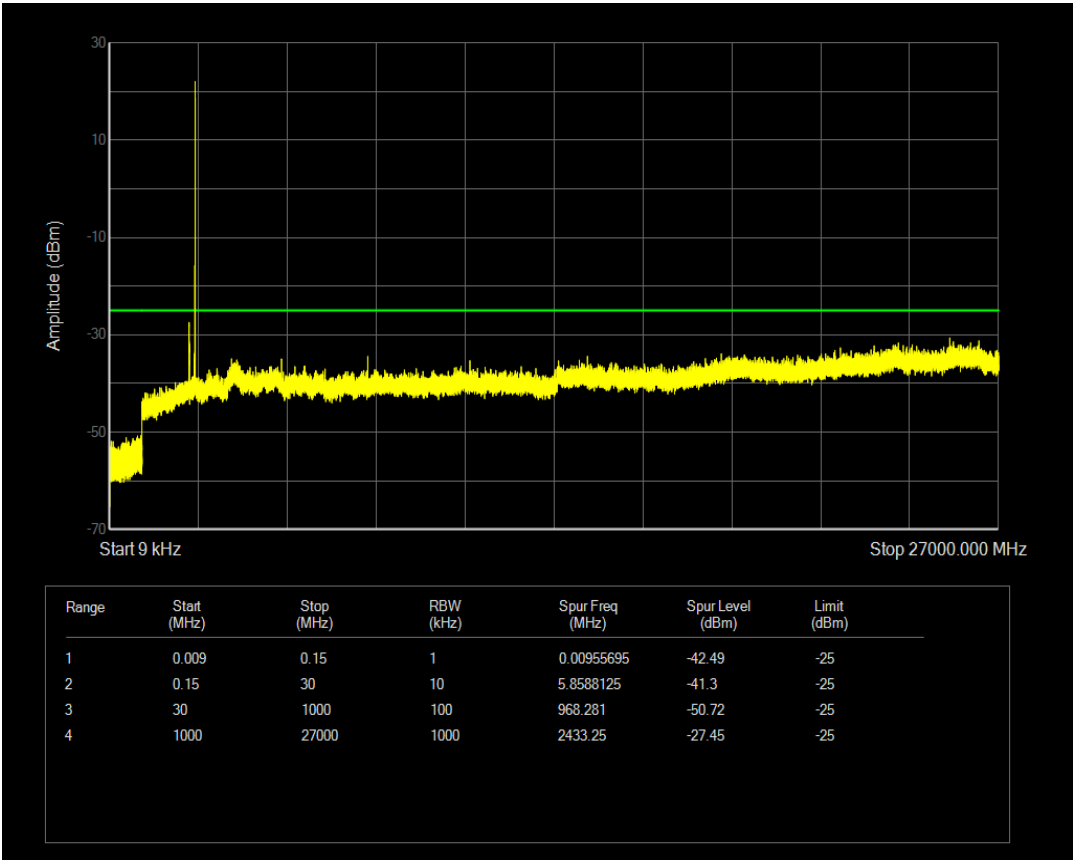
*n38 SCS=30kHz CP\_QPSK BW=10MHz Channel=523000 RB=24@0*



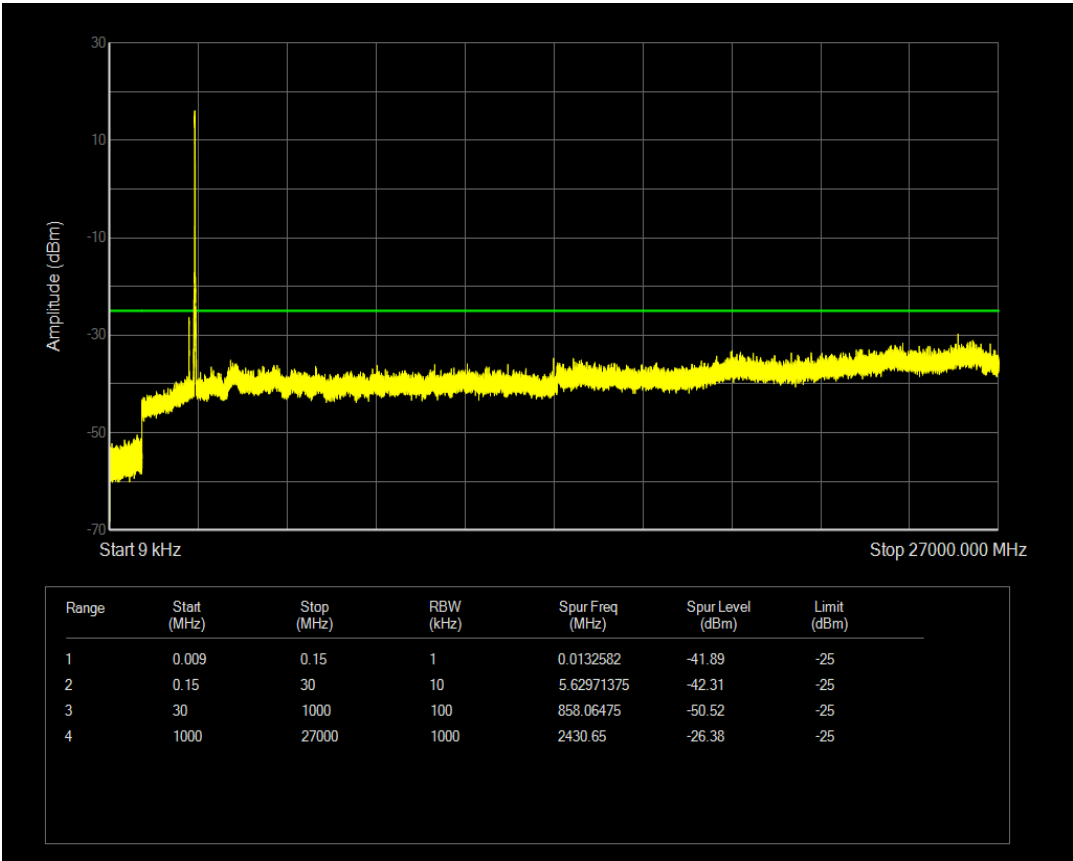
*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=1@0*



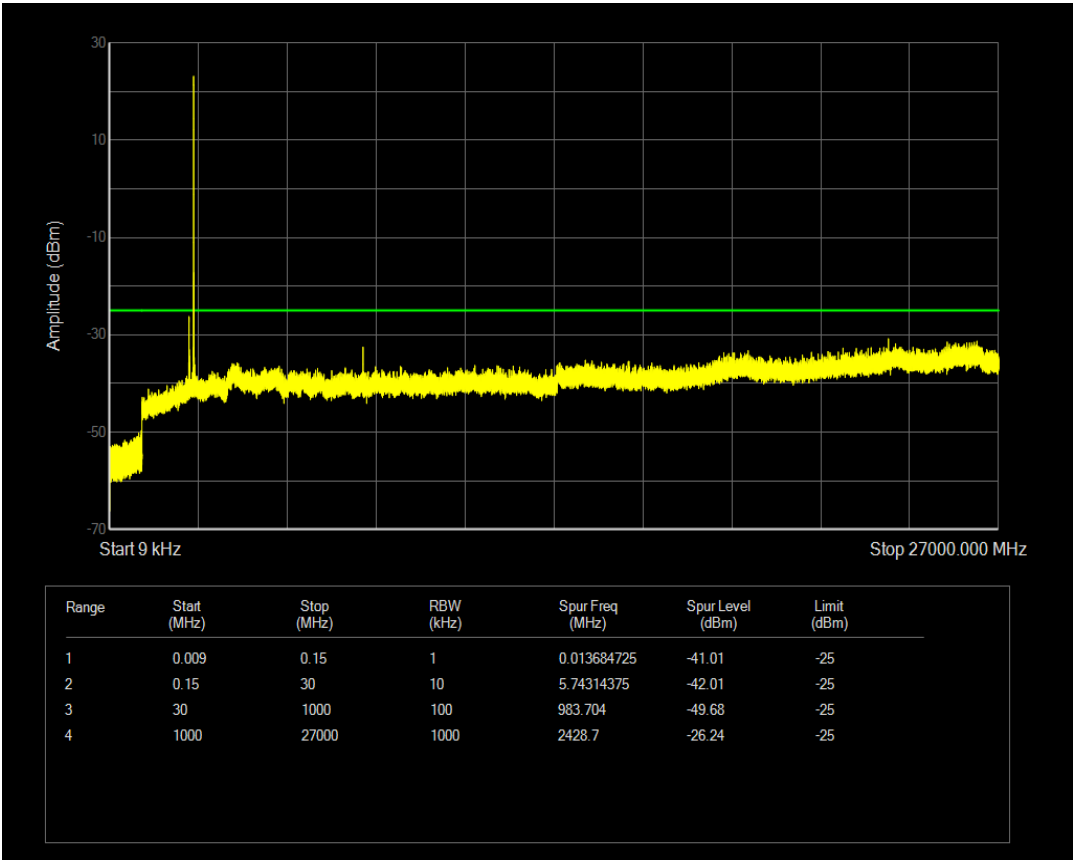
*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=1@50*



*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=522000 RB=51@0*

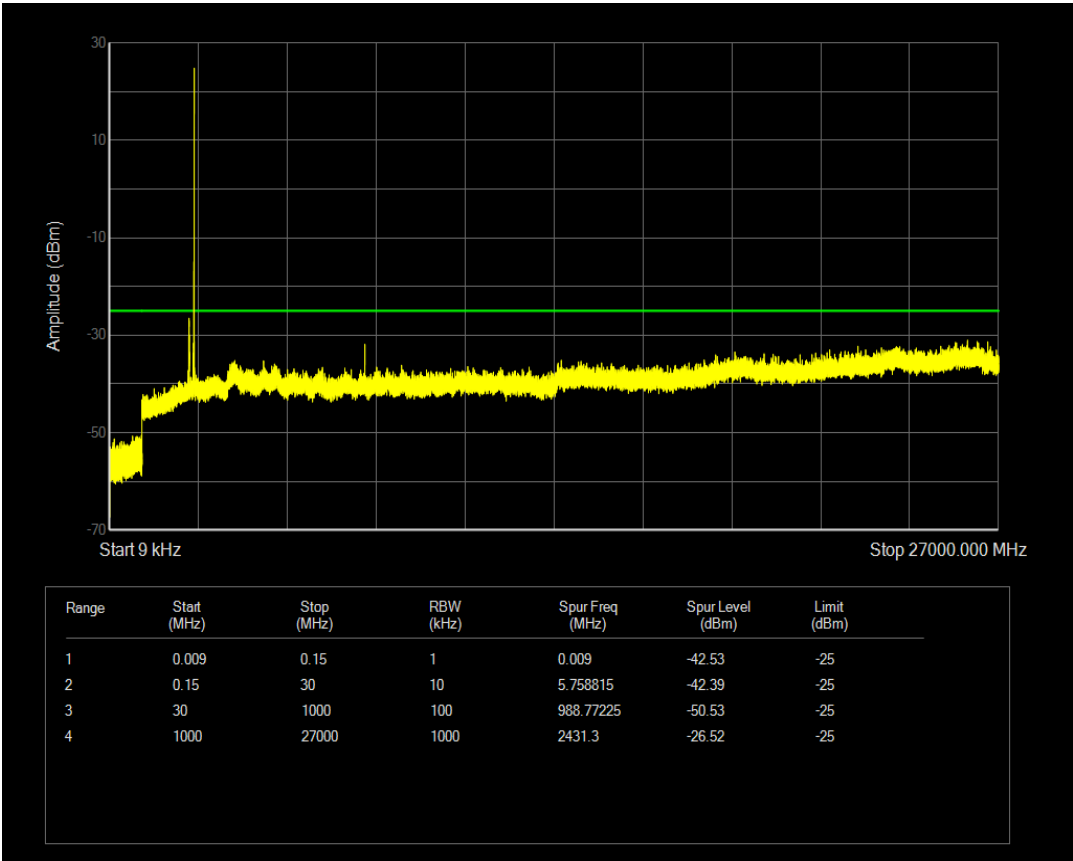


*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=516000 RB=1@0*



*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=516000 RB=1@50*





*n38 SCS=30kHz CP\_QPSK BW=20MHz Channel=516000 RB=51@0*

