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## 1 Conducted output power for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Conducted<br>Output AV<br>Power<br>(dBm) | Antenna<br>Gain<br>(dBi) | EIRP<br>(dBm) | Limt<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|------------------------------------------|--------------------------|---------------|---------------|---------|
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_BPSK   | 24.73                                    | -3.6                     | 21.13         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 24@0             | DFT_QPSK   | 23.69                                    | -3.6                     | 20.09         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 12@6             | DFT_QPSK   | 24.68                                    | -3.6                     | 21.08         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_QPSK   | 24.83                                    | -3.6                     | 21.23         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@22             | DFT_QPSK   | 24.80                                    | -3.6                     | 21.20         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_QAM16  | 23.69                                    | -3.6                     | 20.09         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_QAM64  | 22.07                                    | -3.6                     | 18.47         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_QAM256 | 20.27                                    | -3.6                     | 16.67         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | CP_QPSK    | 23.32                                    | -3.6                     | 19.72         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_BPSK   | 24.95                                    | -3.6                     | 21.35         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 24@0             | DFT_QPSK   | 23.94                                    | -3.6                     | 20.34         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 12@6             | DFT_QPSK   | 24.90                                    | -3.6                     | 21.30         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_QPSK   | 24.97                                    | -3.6                     | 21.37         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@22             | DFT_QPSK   | 25.01                                    | -3.6                     | 21.41         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_QAM16  | 23.93                                    | -3.6                     | 20.33         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_QAM64  | 22.69                                    | -3.6                     | 19.09         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_QAM256 | 20.43                                    | -3.6                     | 16.83         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | CP_QPSK    | 23.34                                    | -3.6                     | 19.74         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_BPSK   | 24.80                                    | -3.6                     | 21.20         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 24@0             | DFT_QPSK   | 23.61                                    | -3.6                     | 20.01         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 12@6             | DFT_QPSK   | 24.64                                    | -3.6                     | 21.04         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_QPSK   | 24.82                                    | -3.6                     | 21.22         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@22             | DFT_QPSK   | 24.88                                    | -3.6                     | 21.28         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_QAM16  | 23.47                                    | -3.6                     | 19.87         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_QAM64  | 22.47                                    | -3.6                     | 18.87         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_QAM256 | 19.94                                    | -3.6                     | 16.34         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | CP_QPSK    | 23.02                                    | -3.6                     | 19.42         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_BPSK   | 24.53                                    | -3.6                     | 20.93         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 128@0            | DFT_QPSK   | 23.92                                    | -3.6                     | 20.32         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 64@32            | DFT_QPSK   | 25.04                                    | -3.6                     | 21.44         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_QPSK   | 24.45                                    | -3.6                     | 20.85         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@131            | DFT_QPSK   | 24.61                                    | -3.6                     | 21.01         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_QAM16  | 23.79                                    | -3.6                     | 20.19         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_QAM64  | 21.80                                    | -3.6                     | 18.20         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_QAM256 | 20.23                                    | -3.6                     | 16.63         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | CP_QPSK    | 22.89                                    | -3.6                     | 19.29         | 30.00         | Pass    |
| n77(3450-3550) | 30           | 50                 | 633334        | 1@1              | DFT_BPSK   | 24.83                                    | -3.6                     | 21.23         | 30.00         | Pass    |

|                |    |     |        |        |            |       |      |       |       |      |
|----------------|----|-----|--------|--------|------------|-------|------|-------|-------|------|
| n77(3450-3550) | 30 | 50  | 633334 | 128@0  | DFT_QPSK   | 23.97 | -3.6 | 20.37 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 64@32  | DFT_QPSK   | 24.97 | -3.6 | 21.37 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@1    | DFT_QPSK   | 24.77 | -3.6 | 21.17 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@131  | DFT_QPSK   | 24.55 | -3.6 | 20.95 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@1    | DFT_QAM16  | 23.93 | -3.6 | 20.33 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@1    | DFT_QAM64  | 22.44 | -3.6 | 18.84 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@1    | DFT_QAM256 | 20.52 | -3.6 | 16.92 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 633334 | 1@1    | CP_QPSK    | 23.59 | -3.6 | 19.99 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | DFT_BPSK   | 24.65 | -3.6 | 21.05 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 128@0  | DFT_QPSK   | 23.84 | -3.6 | 20.24 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 64@32  | DFT_QPSK   | 24.82 | -3.6 | 21.22 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | DFT_QPSK   | 24.82 | -3.6 | 21.22 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@131  | DFT_QPSK   | 24.42 | -3.6 | 20.82 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | DFT_QAM16  | 23.65 | -3.6 | 20.05 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | DFT_QAM64  | 22.66 | -3.6 | 19.06 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | DFT_QAM256 | 20.32 | -3.6 | 16.72 | 30.00 | Pass |
| n77(3450-3550) | 30 | 50  | 635000 | 1@1    | CP_QPSK    | 23.33 | -3.6 | 19.73 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_BPSK   | 23.71 | -3.6 | 20.11 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 270@0  | DFT_QPSK   | 23.69 | -3.6 | 20.09 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_QPSK   | 24.98 | -3.6 | 21.38 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_QPSK   | 23.76 | -3.6 | 20.16 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271  | DFT_QPSK   | 23.83 | -3.6 | 20.23 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_QAM16  | 22.68 | -3.6 | 19.08 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_QAM64  | 21.22 | -3.6 | 17.62 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_QAM256 | 19.29 | -3.6 | 15.69 | 30.00 | Pass |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | CP_QPSK    | 22.50 | -3.6 | 18.90 | 30.00 | Pass |

## 2 Frequency stability for NR FR1

| 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 |
|----------------|--------------|--------------------|---------------|------------------|------------|------------|-----------------|-----------------------|------------------------|---------|
| n77(3450-3550) | 30           | 10                 | 630334        | 12@6             | DFT_BPSK   | -16.48     | -0.00477        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_BPSK   | -16.50     | -0.00478        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@22             | DFT_BPSK   | -16.11     | -0.00466        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 630334        | 12@6             | DFT_QPSK   | -17.13     | -0.00496        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@1              | DFT_QPSK   | -14.99     | -0.00434        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 630334        | 1@22             | DFT_QPSK   | -16.59     | -0.00480        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 12@6             | DFT_BPSK   | -15.75     | -0.00450        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_BPSK   | -17.03     | -0.00487        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@22             | DFT_BPSK   | -19.15     | -0.00547        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 12@6             | DFT_QPSK   | -16.00     | -0.00457        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@1              | DFT_QPSK   | -14.58     | -0.00417        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 633334        | 1@22             | DFT_QPSK   | -16.17     | -0.00462        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 12@6             | DFT_BPSK   | -16.80     | -0.00474        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_BPSK   | -13.89     | -0.00392        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@22             | DFT_BPSK   | -14.80     | -0.00417        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 12@6             | DFT_QPSK   | -15.21     | -0.00429        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@1              | DFT_QPSK   | -14.01     | -0.00395        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 10                 | 636332        | 1@22             | DFT_QPSK   | -16.53     | -0.00466        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 64@32            | DFT_BPSK   | -18.14     | -0.00522        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_BPSK   | -16.01     | -0.00461        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@131            | DFT_BPSK   | -18.45     | -0.00531        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 64@32            | DFT_QPSK   | -19.12     | -0.00550        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@1              | DFT_QPSK   | -18.91     | -0.00544        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 631668        | 1@131            | DFT_QPSK   | -17.89     | -0.00515        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 64@32            | DFT_BPSK   | -18.05     | -0.00516        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 1@1              | DFT_BPSK   | -18.62     | -0.00532        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 1@131            | DFT_BPSK   | -18.37     | -0.00525        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 64@32            | DFT_QPSK   | -20.29     | -0.00580        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 1@1              | DFT_QPSK   | -17.74     | -0.00507        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 633334        | 1@131            | DFT_QPSK   | -16.93     | -0.00484        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 64@32            | DFT_BPSK   | -13.06     | -0.00370        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 1@1              | DFT_BPSK   | -14.94     | -0.00424        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 1@131            | DFT_BPSK   | -14.13     | -0.00401        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 64@32            | DFT_QPSK   | -13.60     | -0.00386        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 1@1              | DFT_QPSK   | -16.79     | -0.00476        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 50                 | 635000        | 1@131            | DFT_QPSK   | -16.33     | -0.00463        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 100                | 633334        | 135@67           | DFT_BPSK   | -19.88     | -0.00568        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 100                | 633334        | 1@1              | DFT_BPSK   | -17.20     | -0.00491        | -2.5                  | 2.5                    | PASS    |
| n77(3450-3550) | 30           | 100                | 633334        | 1@271            | DFT_BPSK   | -18.44     | -0.00527        | -2.5                  | 2.5                    | PASS    |

|                |    |     |        |        |          |        |          |      |     |      |
|----------------|----|-----|--------|--------|----------|--------|----------|------|-----|------|
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_QPSK | -16.90 | -0.00483 | -2.5 | 2.5 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1    | DFT_QPSK | -17.74 | -0.00507 | -2.5 | 2.5 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271  | DFT_QPSK | -15.16 | -0.00433 | -2.5 | 2.5 | PASS |

Note: (Voltage: 3.87V, Temperature: 25°C) only reflect the worst mode.

### 3 Peak-to-Average Ratio for NR FR1

| <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 Limit<br/>(dB)</i> | <i>Verdict</i> |
|----------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|------------------------|----------------------------|----------------|
| n77(3450-3550) | 30                   | 10                         | 630334                | 24@0                     | DFT_BPSK          | 4.14                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 630334                | 24@0                     | DFT_QPSK          | 5.10                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 630334                | 24@0                     | DFT_QAM16         | 6.08                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 630334                | 24@0                     | DFT_QAM64         | 5.99                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 630334                | 24@0                     | DFT_QAM256        | 6.63                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_BPSK          | 4.64                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QPSK          | 5.22                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM16         | 5.95                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM64         | 6.12                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM256        | 6.49                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 636332                | 24@0                     | DFT_BPSK          | 4.02                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 636332                | 24@0                     | DFT_QPSK          | 5.11                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 636332                | 24@0                     | DFT_QAM16         | 6.16                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 636332                | 24@0                     | DFT_QAM64         | 6.12                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 10                         | 636332                | 24@0                     | DFT_QAM256        | 6.71                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 630500                | 36@0                     | DFT_BPSK          | 4.01                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 630500                | 36@0                     | DFT_QPSK          | 5.42                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 630500                | 36@0                     | DFT_QAM16         | 5.82                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 630500                | 36@0                     | DFT_QAM64         | 6.38                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 630500                | 36@0                     | DFT_QAM256        | 6.53                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_BPSK          | 4.03                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QPSK          | 5.22                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM16         | 5.99                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM64         | 6.19                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM256        | 6.47                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 636166                | 36@0                     | DFT_BPSK          | 4.11                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 636166                | 36@0                     | DFT_QPSK          | 5.11                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 636166                | 36@0                     | DFT_QAM16         | 5.85                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 636166                | 36@0                     | DFT_QAM64         | 6.18                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 15                         | 636166                | 36@0                     | DFT_QAM256        | 6.75                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 630668                | 50@0                     | DFT_BPSK          | 4.14                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 630668                | 50@0                     | DFT_QPSK          | 5.28                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 630668                | 50@0                     | DFT_QAM16         | 6.00                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 630668                | 50@0                     | DFT_QAM64         | 6.39                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 630668                | 50@0                     | DFT_QAM256        | 6.47                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_BPSK          | 4.86                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QPSK          | 5.35                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QAM16         | 6.03                   | 13                         | PASS           |
| n77(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QAM64         | 6.19                   | 13                         | PASS           |
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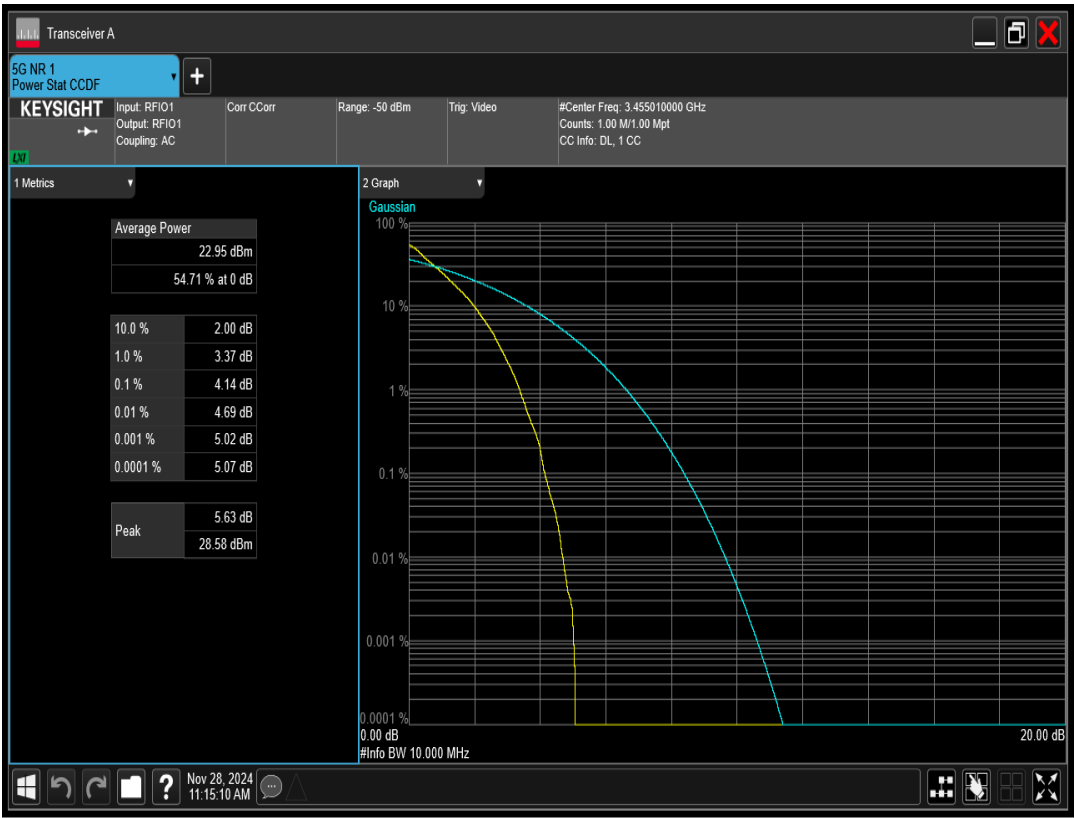
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| n77(3450-3550) | 30 | 20 | 636000 | 50@0  | DFT_QPSK   | 5.46 | 13 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 50@0  | DFT_QAM16  | 6.19 | 13 | PASS |
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| n77(3450-3550) | 30 | 20 | 636000 | 50@0  | DFT_QAM256 | 6.55 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 631000 | 75@0  | DFT_BPSK   | 4.27 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 631000 | 75@0  | DFT_QPSK   | 5.31 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 631000 | 75@0  | DFT_QAM16  | 5.90 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 631000 | 75@0  | DFT_QAM64  | 6.50 | 13 | PASS |
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| n77(3450-3550) | 30 | 30 | 633334 | 75@0  | DFT_BPSK   | 4.27 | 13 | PASS |
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| n77(3450-3550) | 30 | 30 | 633334 | 75@0  | DFT_QAM16  | 6.07 | 13 | PASS |
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| n77(3450-3550) | 30 | 30 | 633334 | 75@0  | DFT_QAM256 | 6.68 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 635666 | 75@0  | DFT_BPSK   | 4.44 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 635666 | 75@0  | DFT_QPSK   | 5.07 | 13 | PASS |
| n77(3450-3550) | 30 | 30 | 635666 | 75@0  | DFT_QAM16  | 5.92 | 13 | PASS |
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| n77(3450-3550) | 30 | 30 | 635666 | 75@0  | DFT_QAM256 | 6.60 | 13 | PASS |
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| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_QAM256 | 6.55 | 13 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_BPSK   | 5.06 | 13 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QPSK   | 5.69 | 13 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QAM16  | 6.10 | 13 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QAM64  | 6.31 | 13 | PASS |
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| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_BPSK   | 4.91 | 13 | PASS |
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| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QAM16  | 6.08 | 13 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QAM64  | 6.38 | 13 | PASS |

|                |    |    |        |       |            |      |    |      |
|----------------|----|----|--------|-------|------------|------|----|------|
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QAM256 | 6.62 | 13 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_BPSK   | 4.23 | 13 | PASS |
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| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_BPSK   | 5.26 | 13 | PASS |
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| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_QAM64  | 6.54 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_QAM256 | 7.01 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_BPSK   | 4.15 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QPSK   | 5.18 | 13 | PASS |
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| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QAM256 | 6.40 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_BPSK   | 5.01 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QPSK   | 5.54 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QAM16  | 6.40 | 13 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QAM64  | 6.23 | 13 | PASS |
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| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_BPSK   | 4.18 | 13 | PASS |
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| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QAM16  | 6.30 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QAM64  | 6.17 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QAM256 | 6.83 | 13 | PASS |
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| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QPSK   | 5.60 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QAM16  | 5.91 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QAM64  | 6.16 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QAM256 | 6.73 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_BPSK   | 4.10 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QPSK   | 5.58 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QAM16  | 6.10 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QAM64  | 6.15 | 13 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QAM256 | 6.51 | 13 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 240@0 | DFT_BPSK   | 4.20 | 13 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 240@0 | DFT_QPSK   | 5.82 | 13 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 240@0 | DFT_QAM16  | 6.20 | 13 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 240@0 | DFT_QAM64  | 6.38 | 13 | PASS |
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| n77(3450-3550) | 30 | 90 | 633334 | 240@0 | DFT_QPSK   | 5.48 | 13 | PASS |
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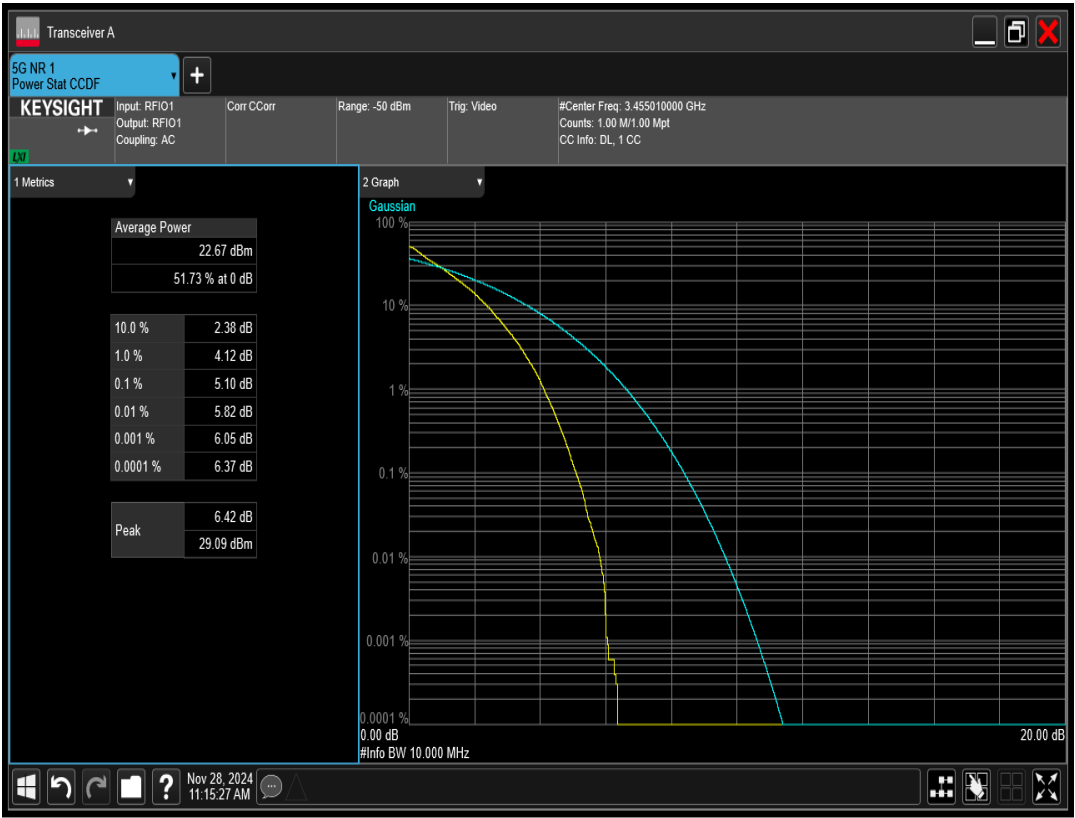


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| n77(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_QAM256 | 6.46 | 13 | PASS |
| n77(3450-3550) | 30 | 90  | 633666 | 240@0 | DFT_BPSK   | 4.79 | 13 | PASS |
| n77(3450-3550) | 30 | 90  | 633666 | 240@0 | DFT_QPSK   | 5.83 | 13 | PASS |
| n77(3450-3550) | 30 | 90  | 633666 | 240@0 | DFT_QAM16  | 6.07 | 13 | PASS |
| n77(3450-3550) | 30 | 90  | 633666 | 240@0 | DFT_QAM64  | 6.47 | 13 | PASS |
| n77(3450-3550) | 30 | 90  | 633666 | 240@0 | DFT_QAM256 | 6.98 | 13 | PASS |
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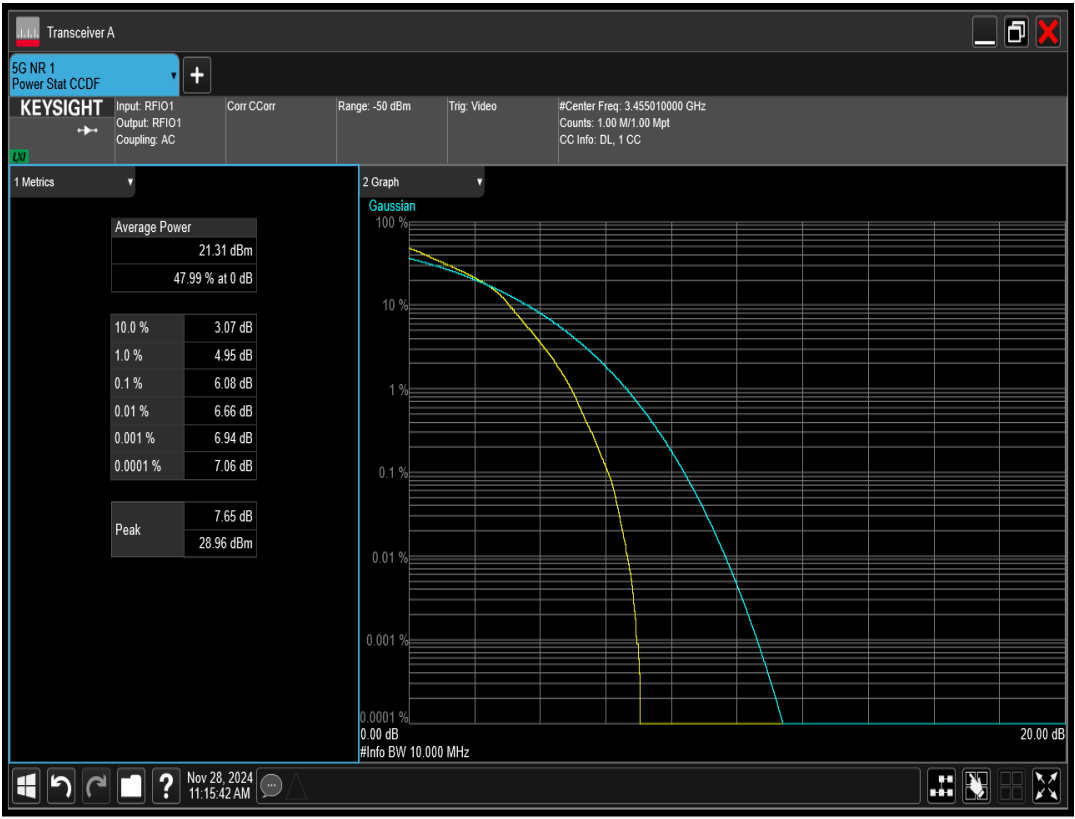
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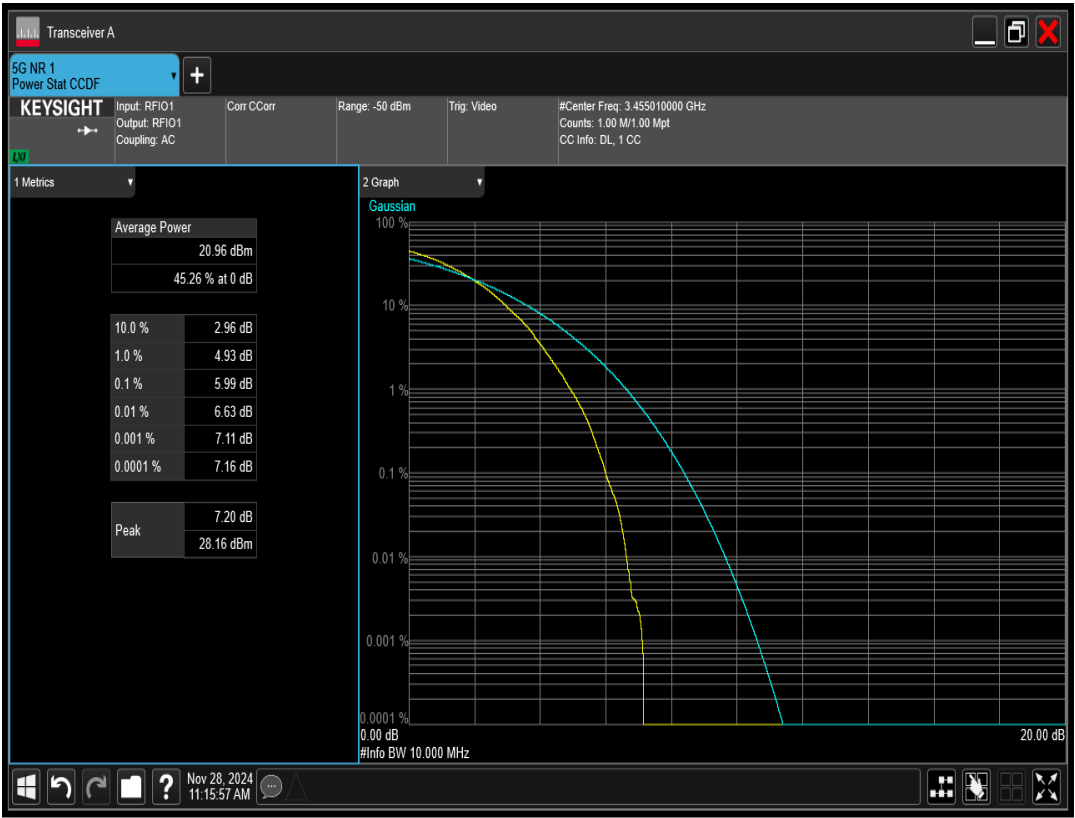
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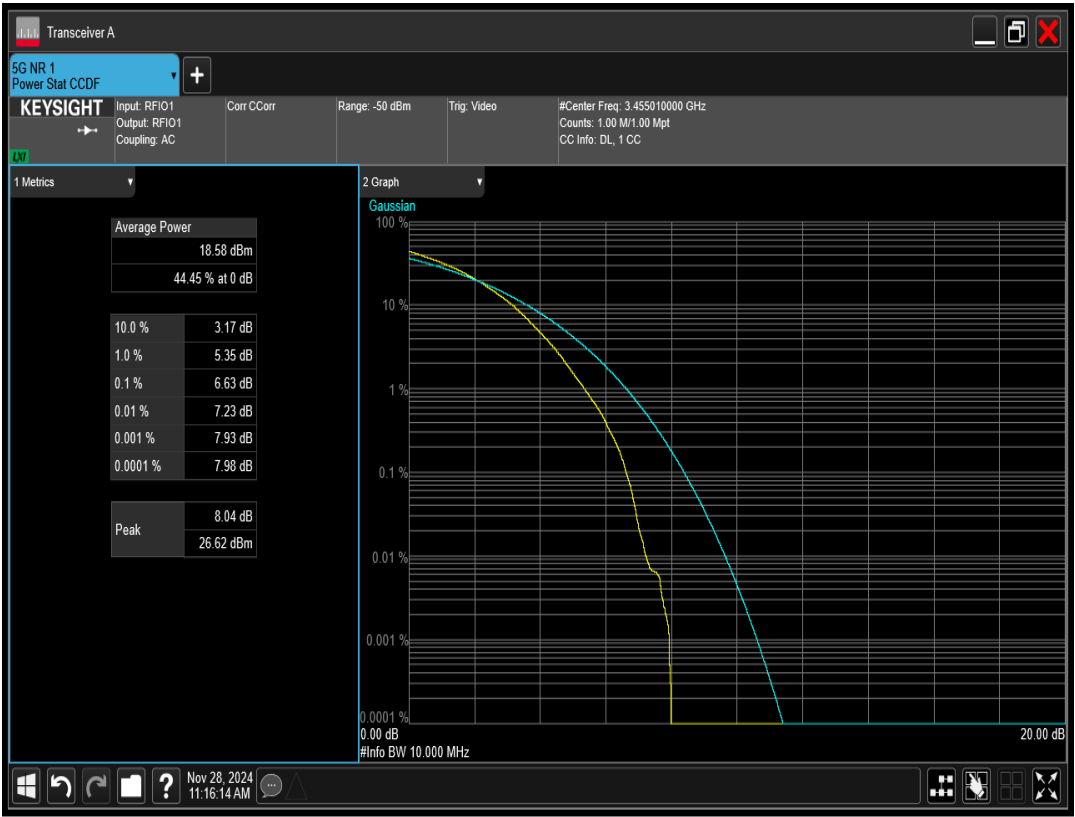
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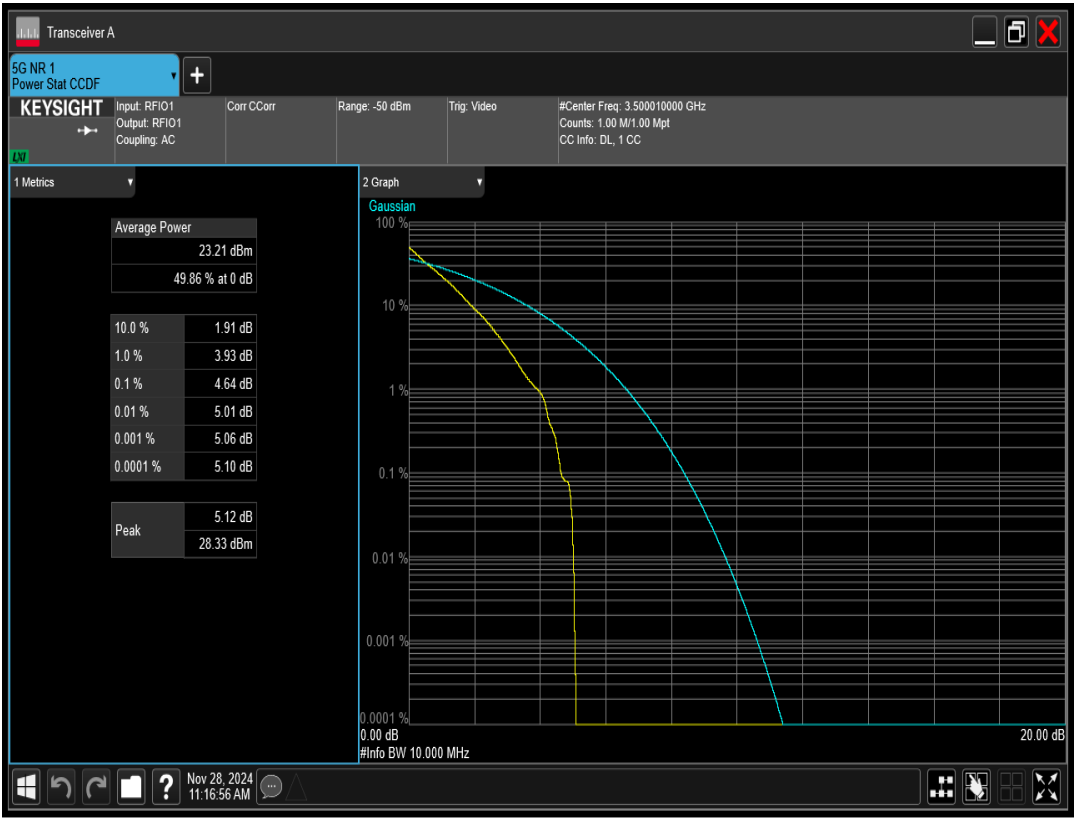
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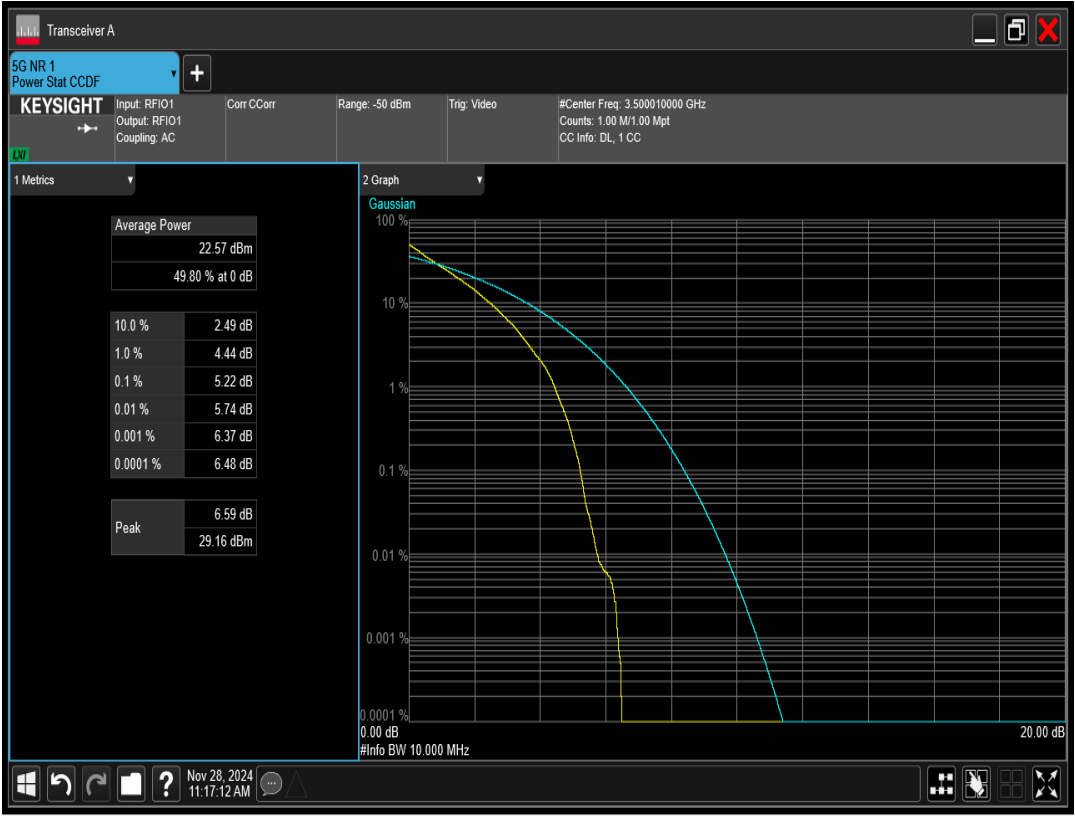
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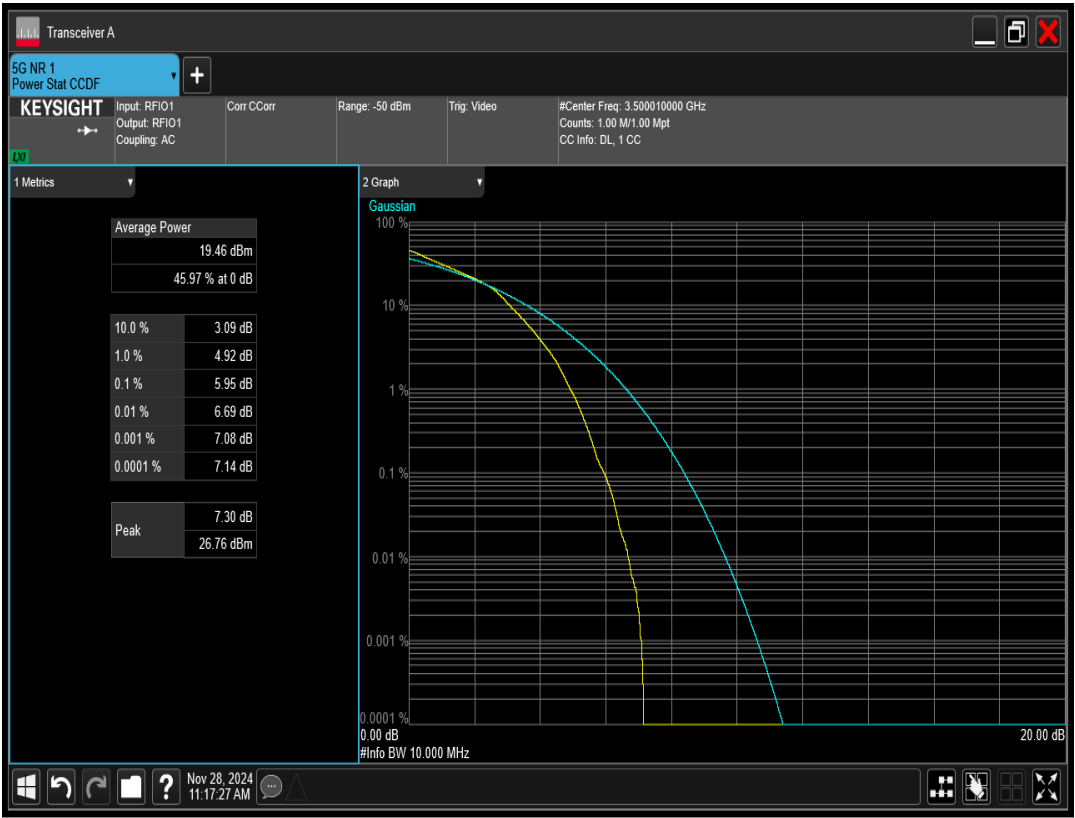
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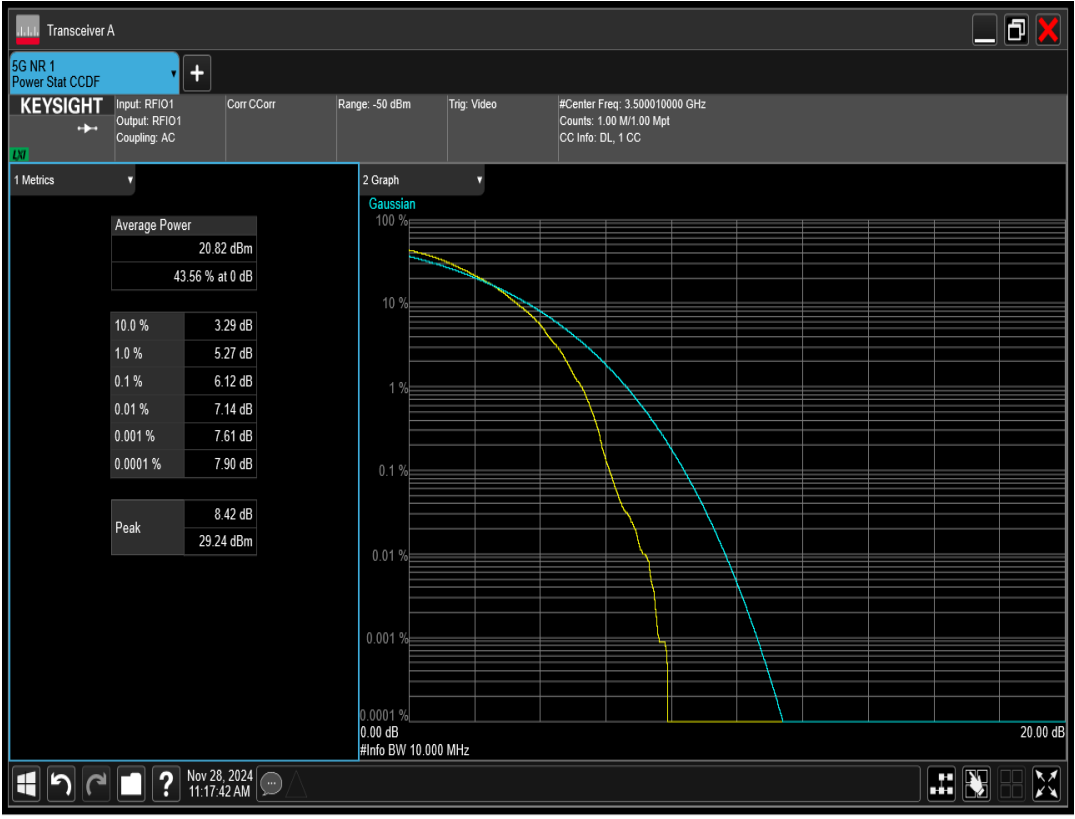
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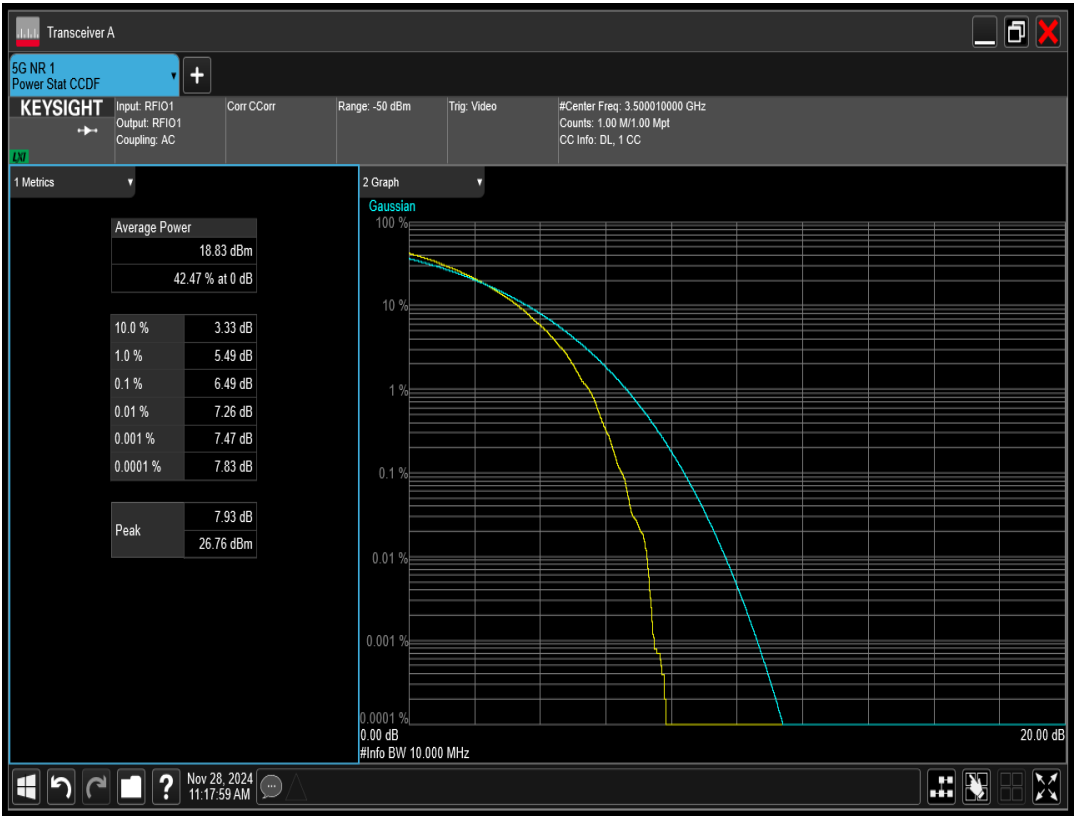
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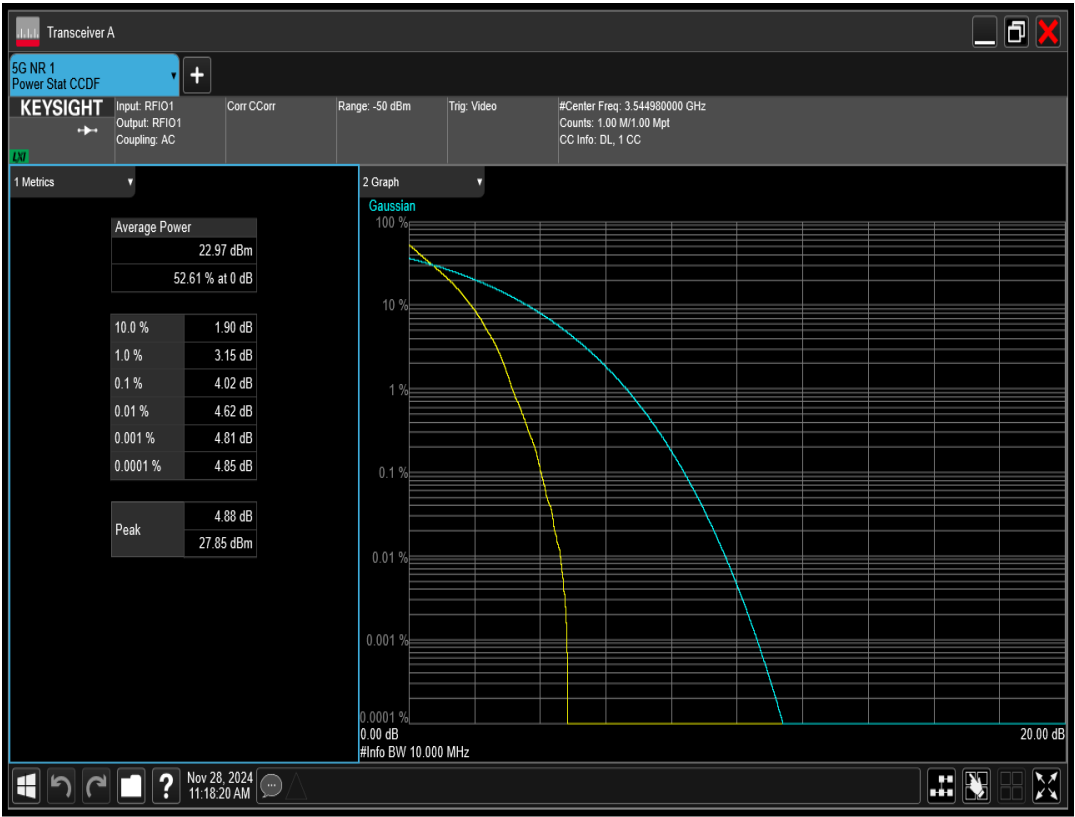
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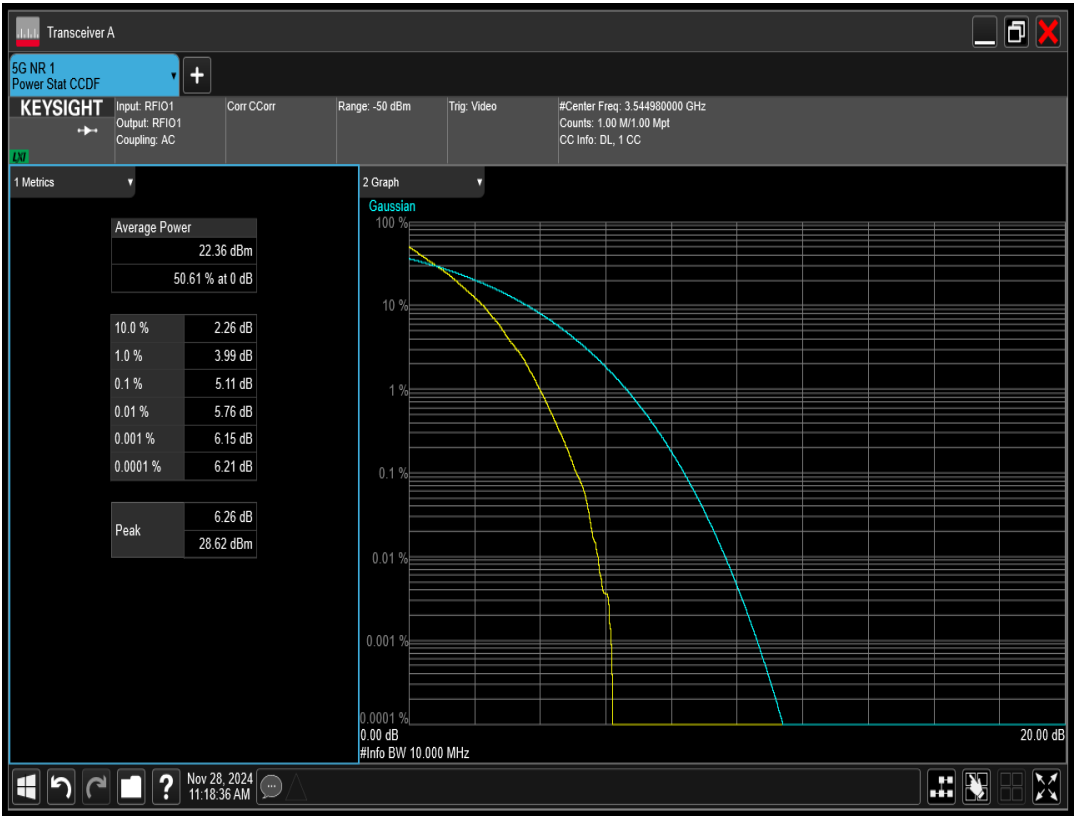
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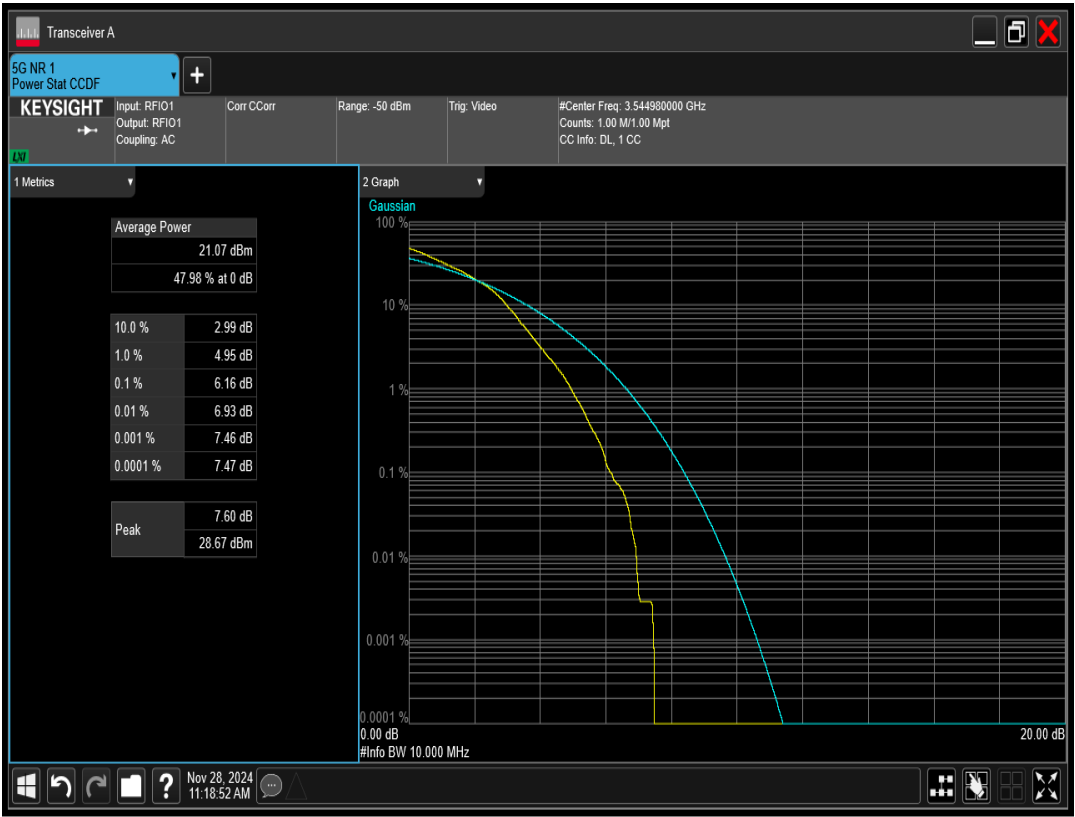
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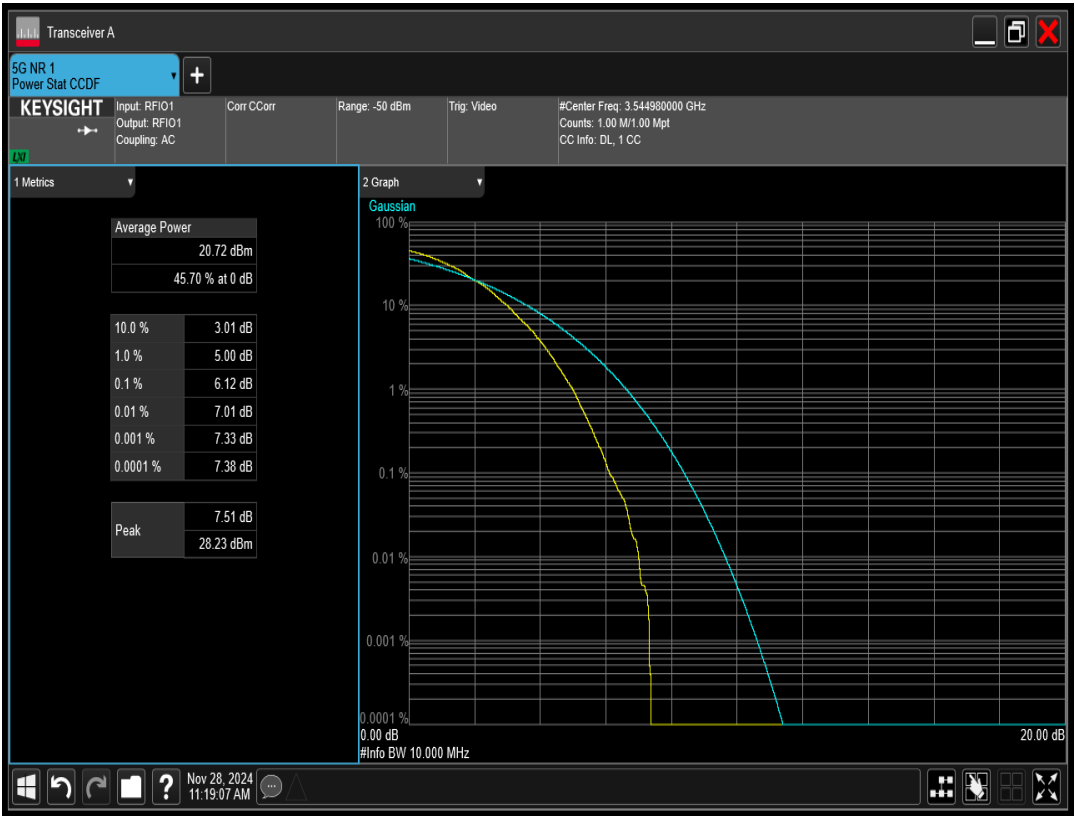
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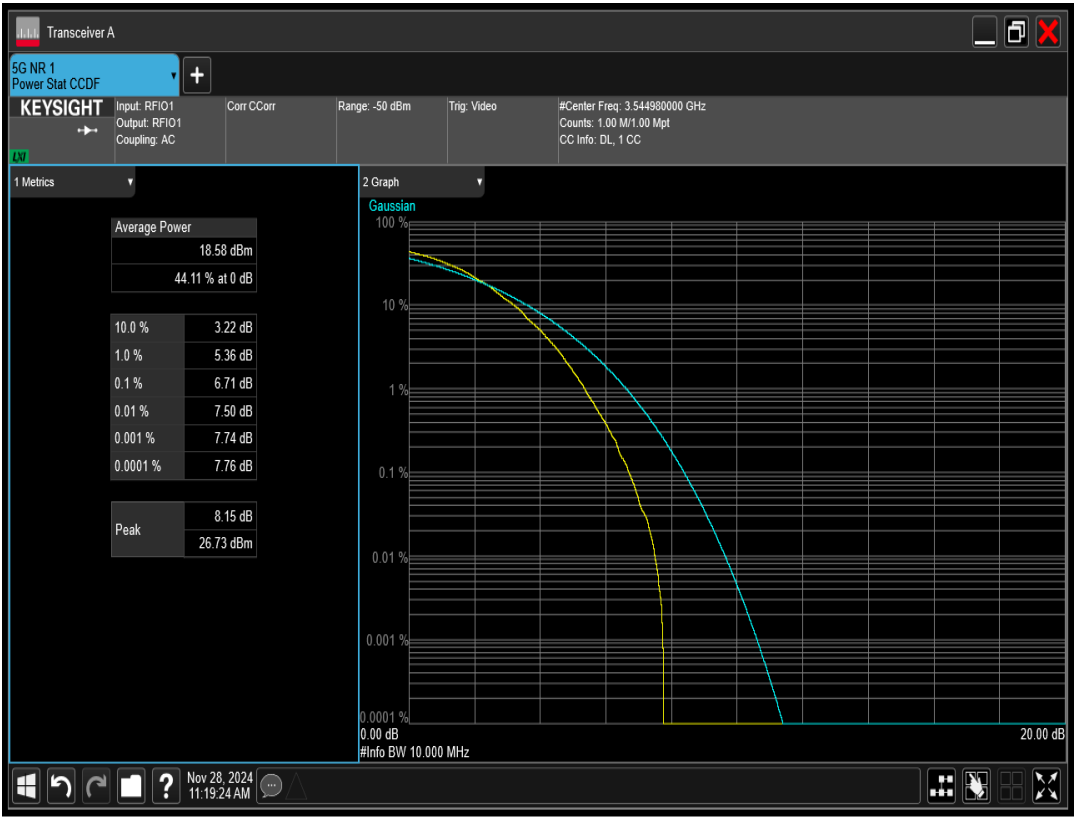
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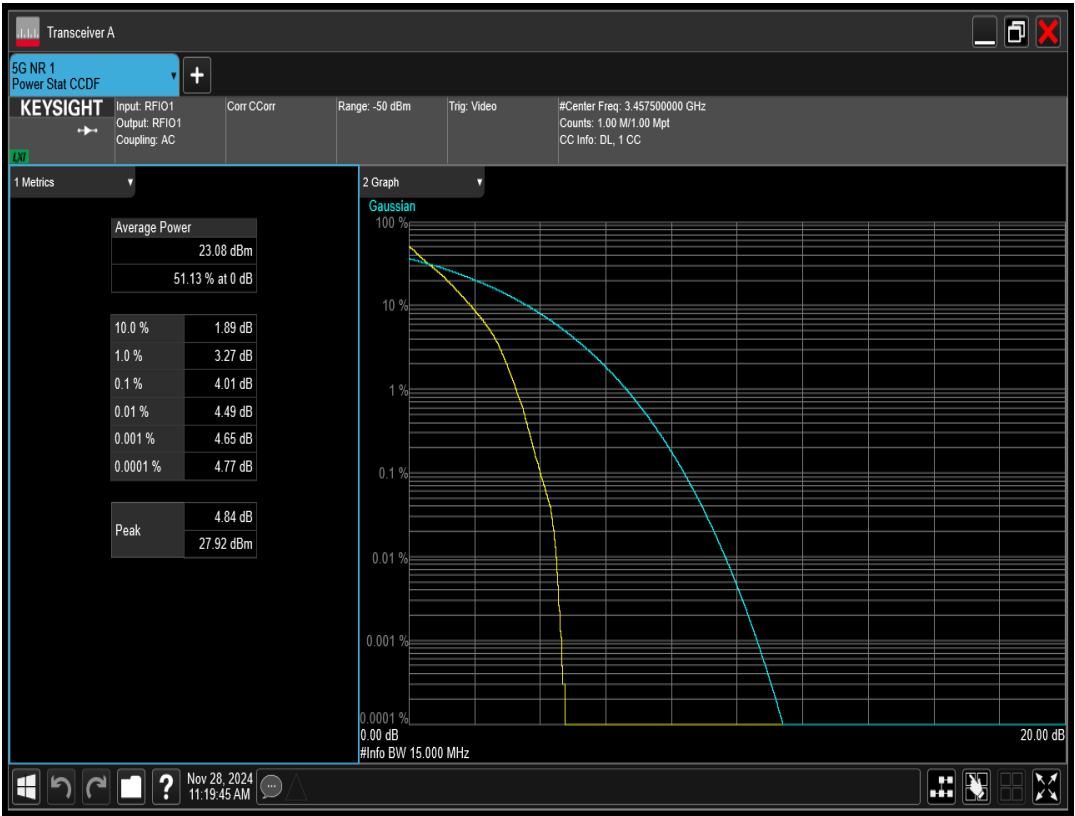


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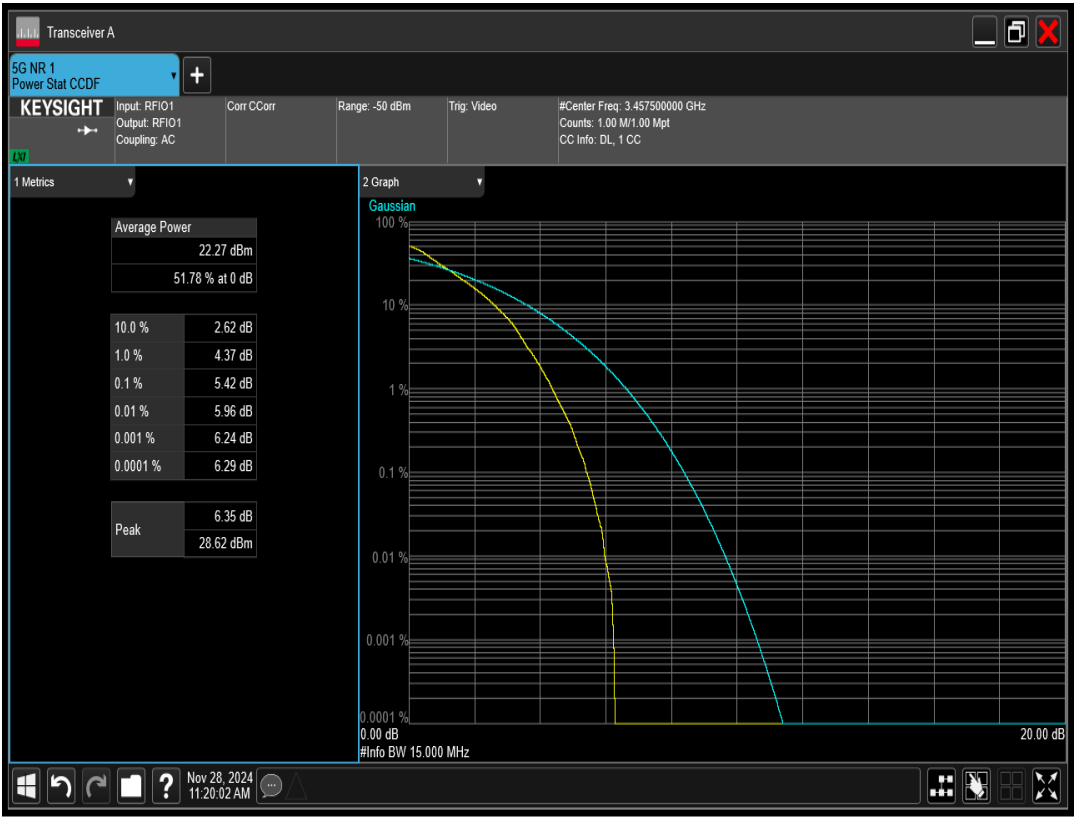


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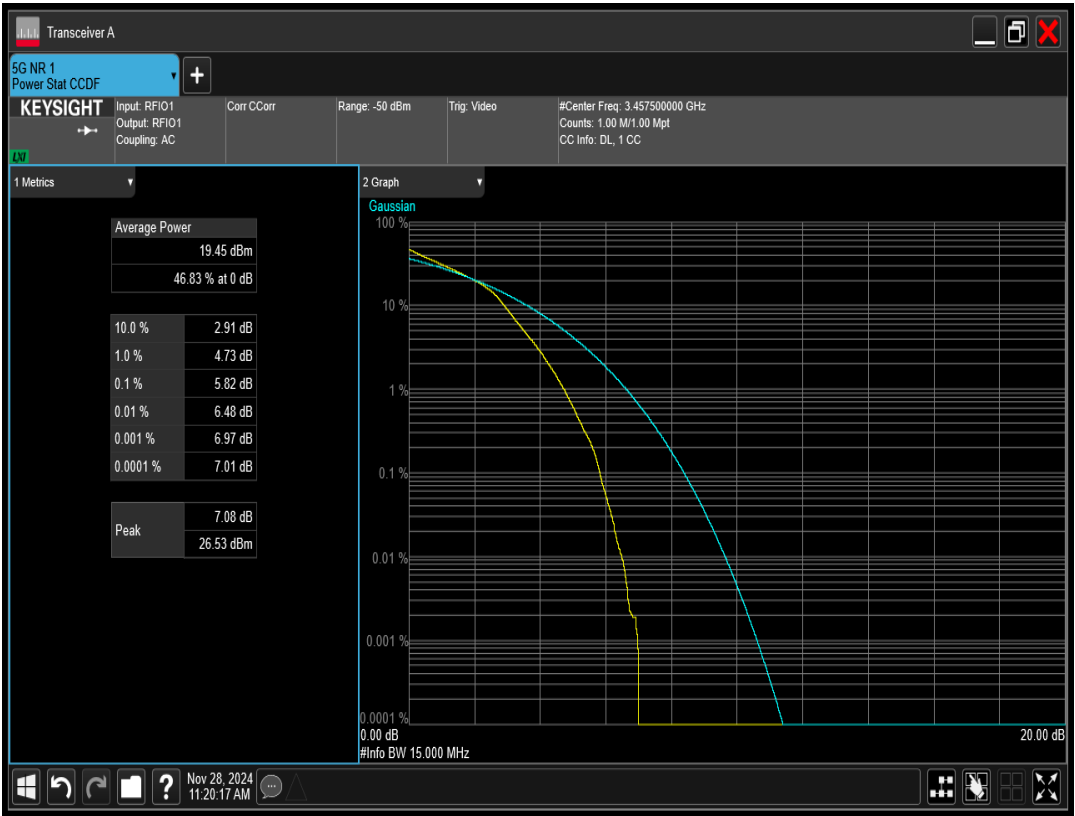




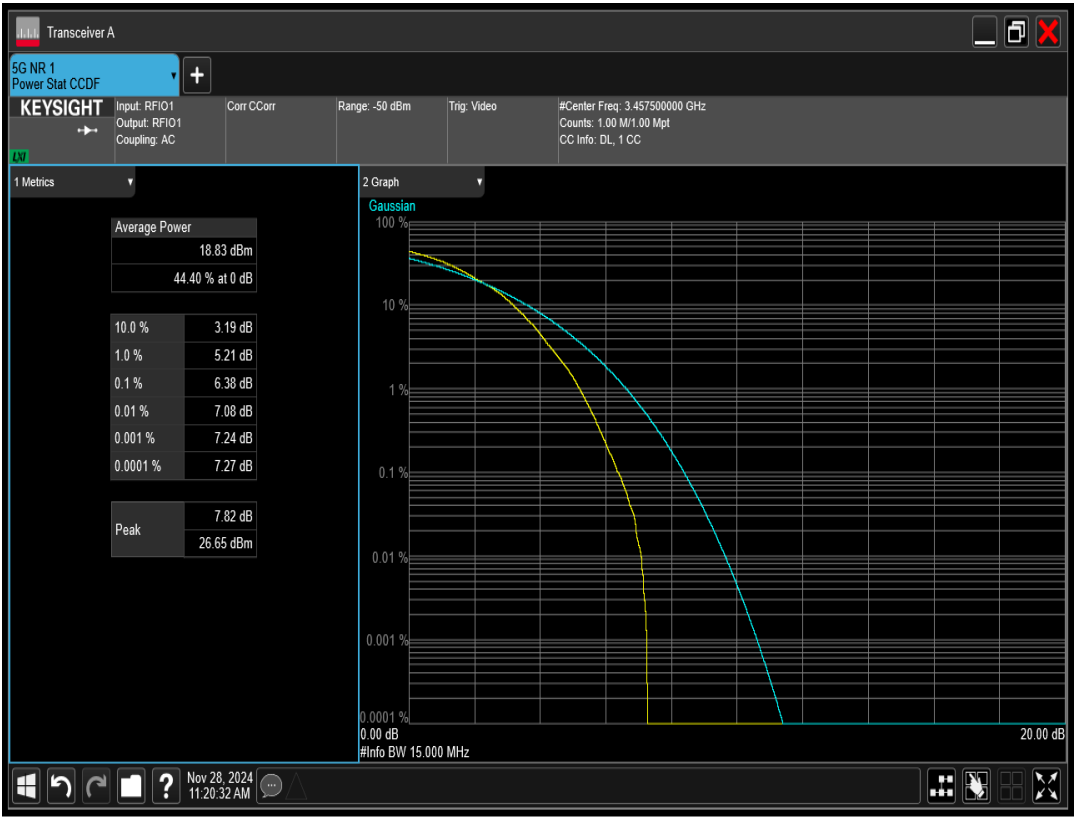
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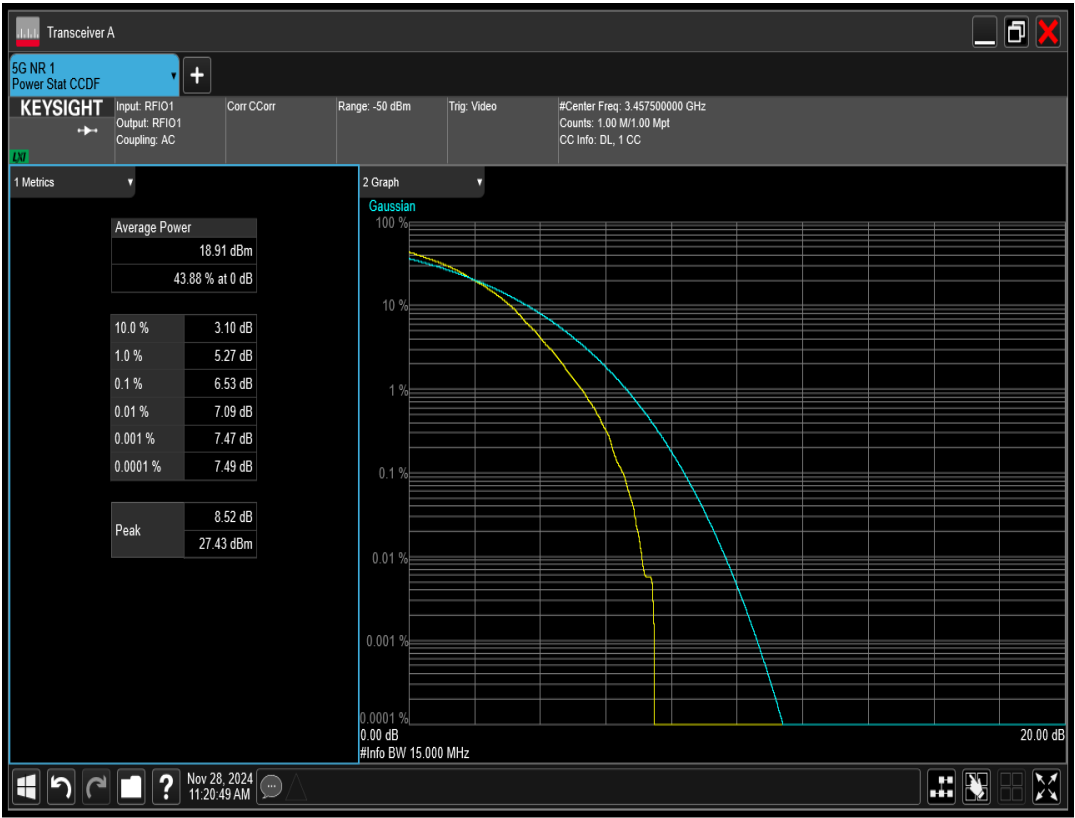
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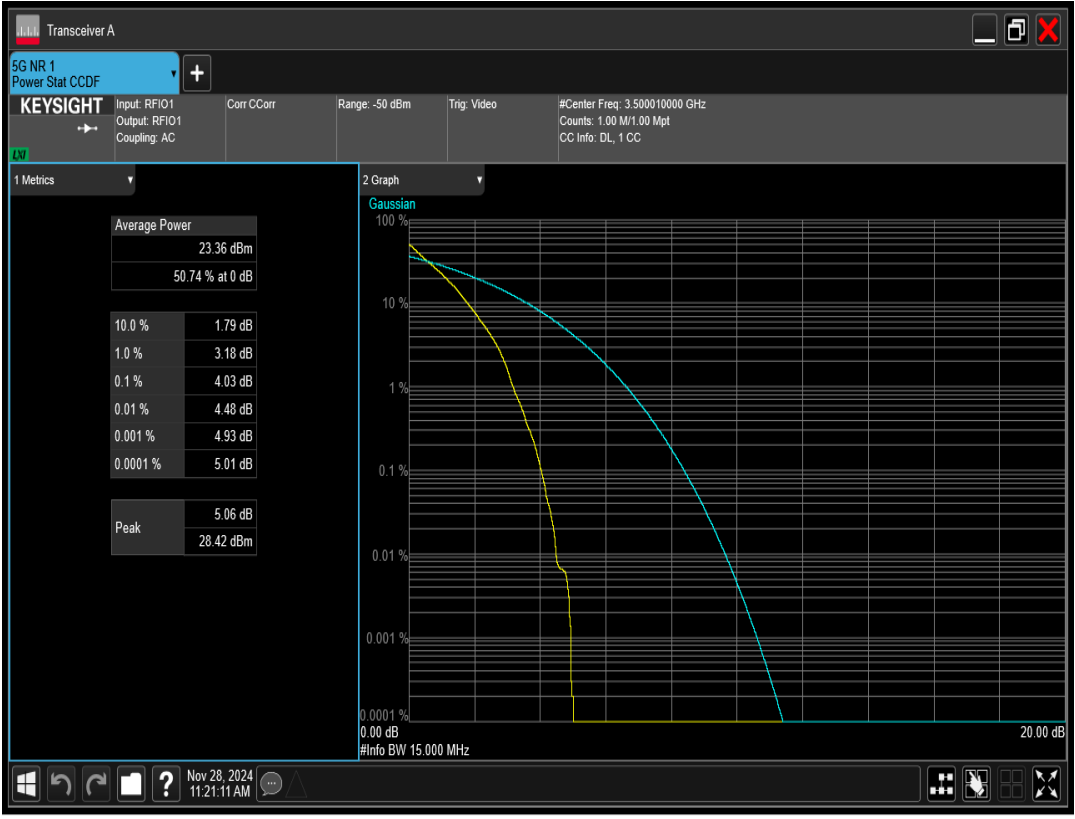
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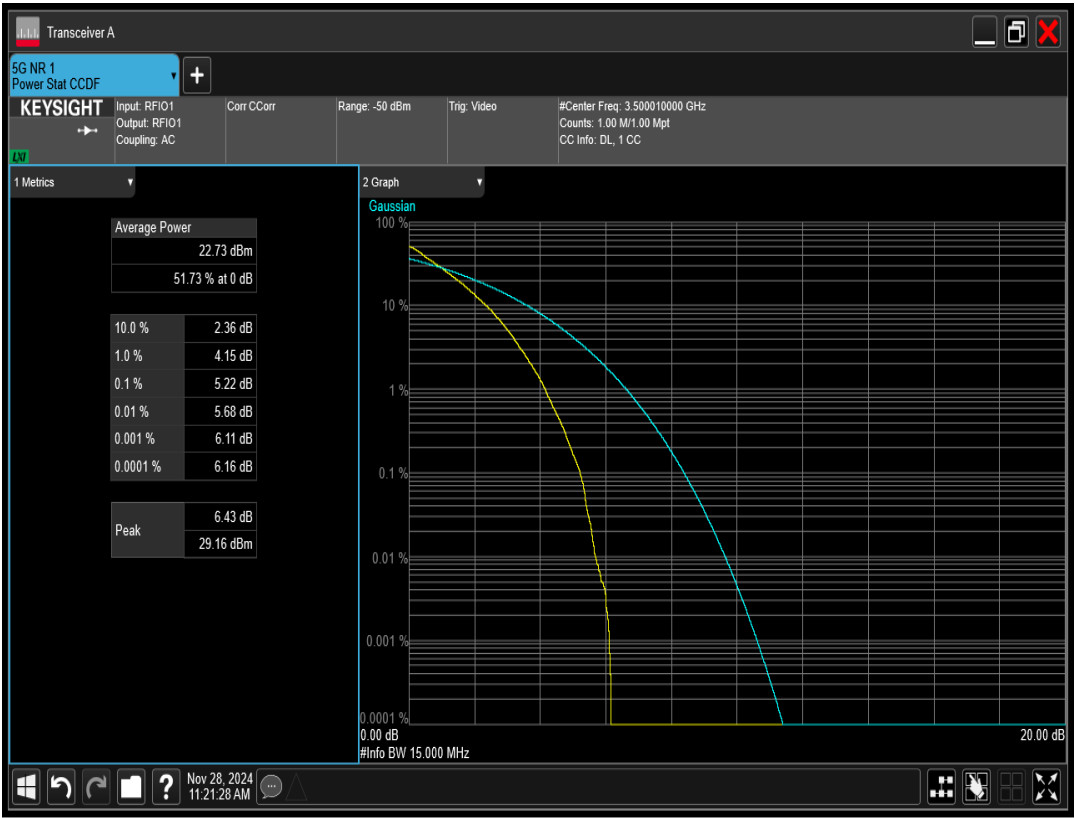
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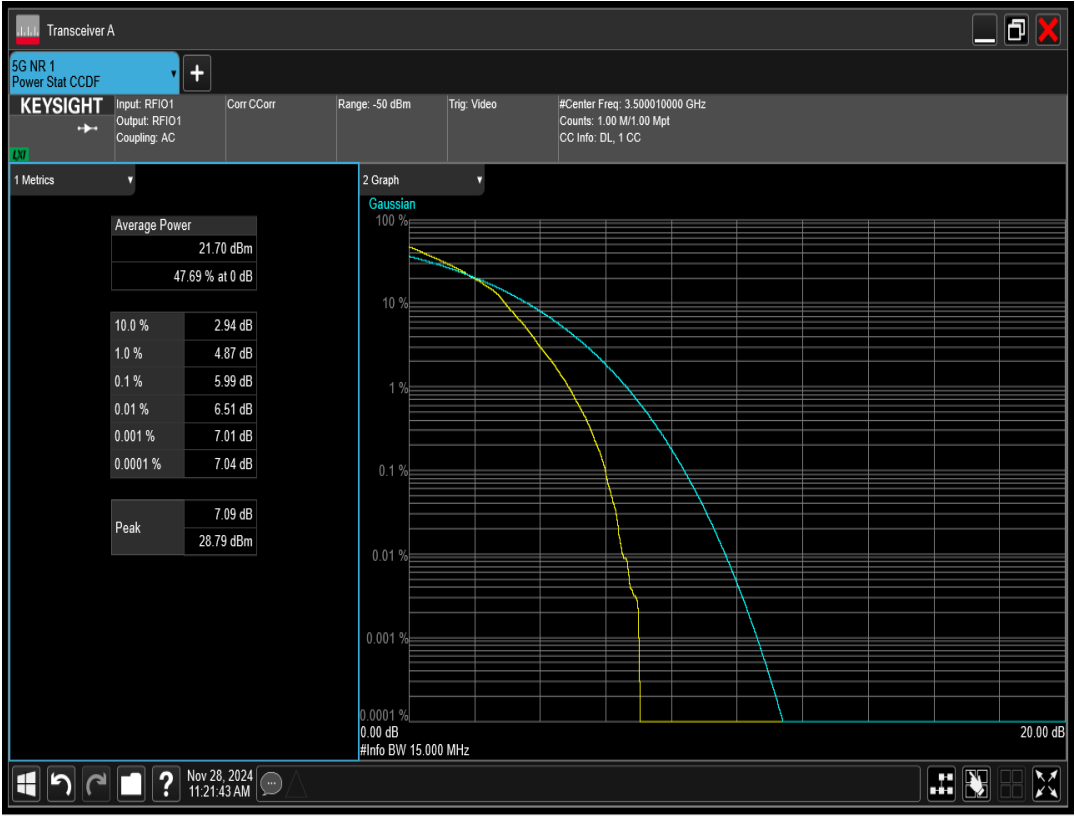
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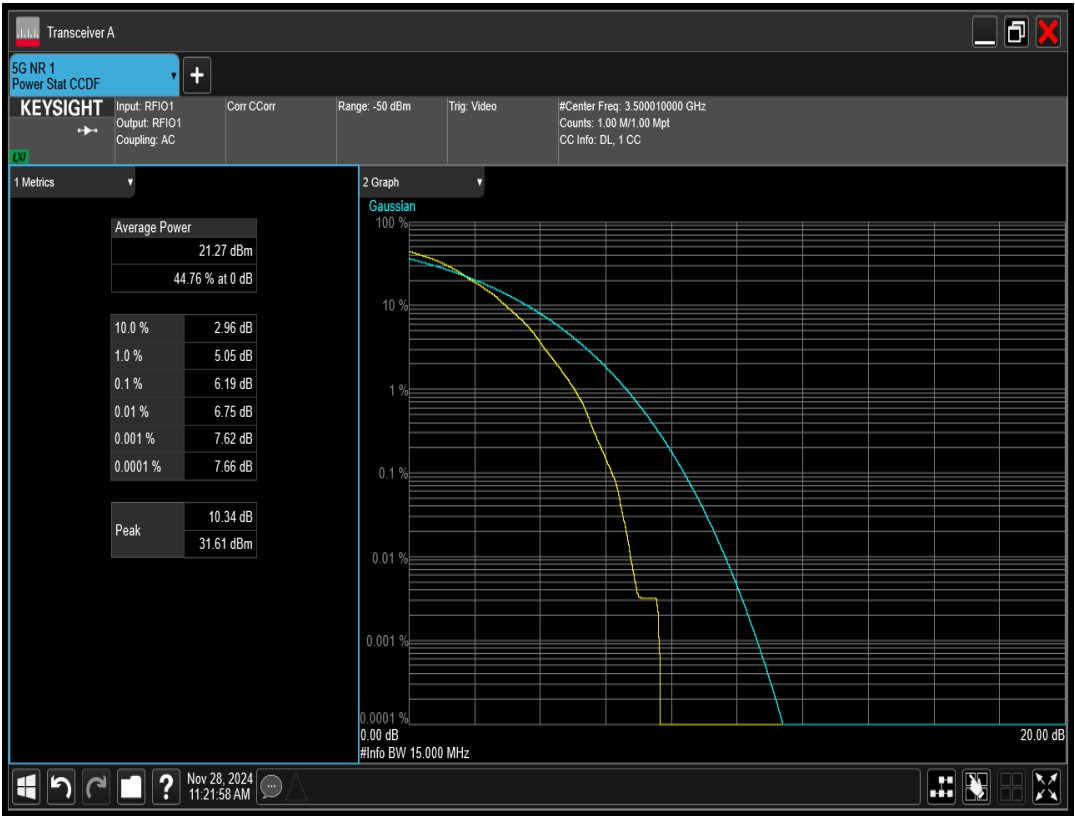
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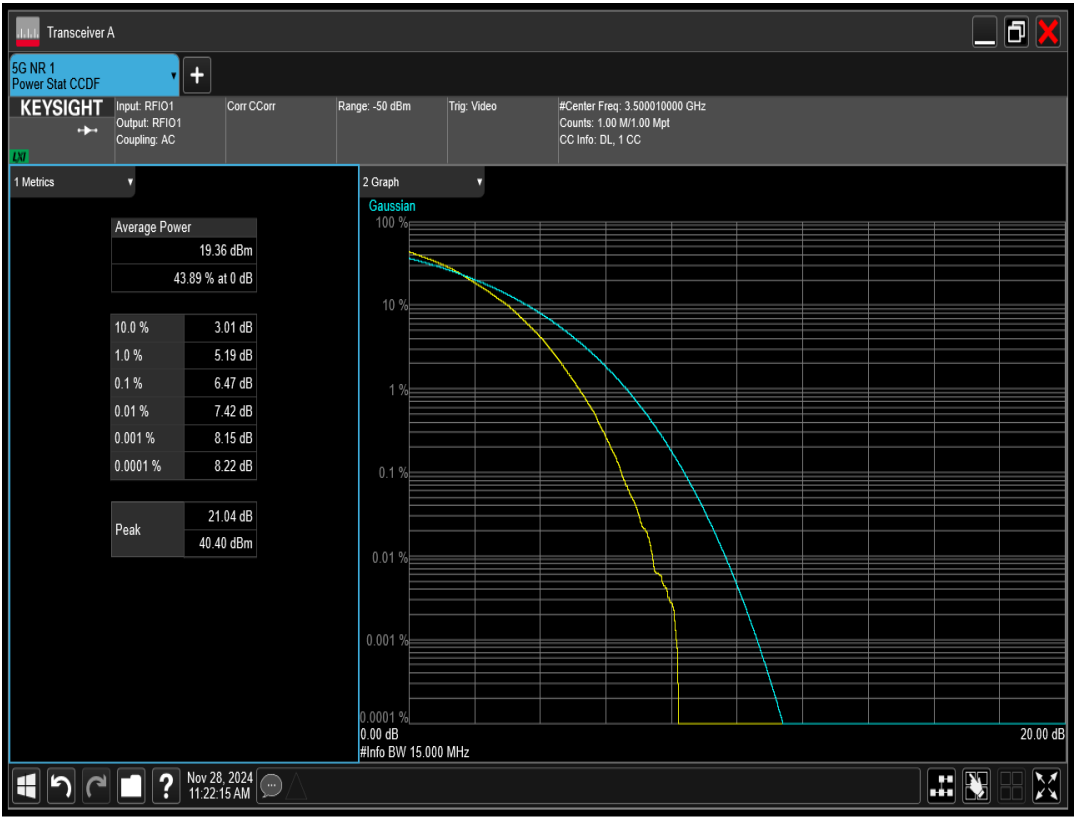
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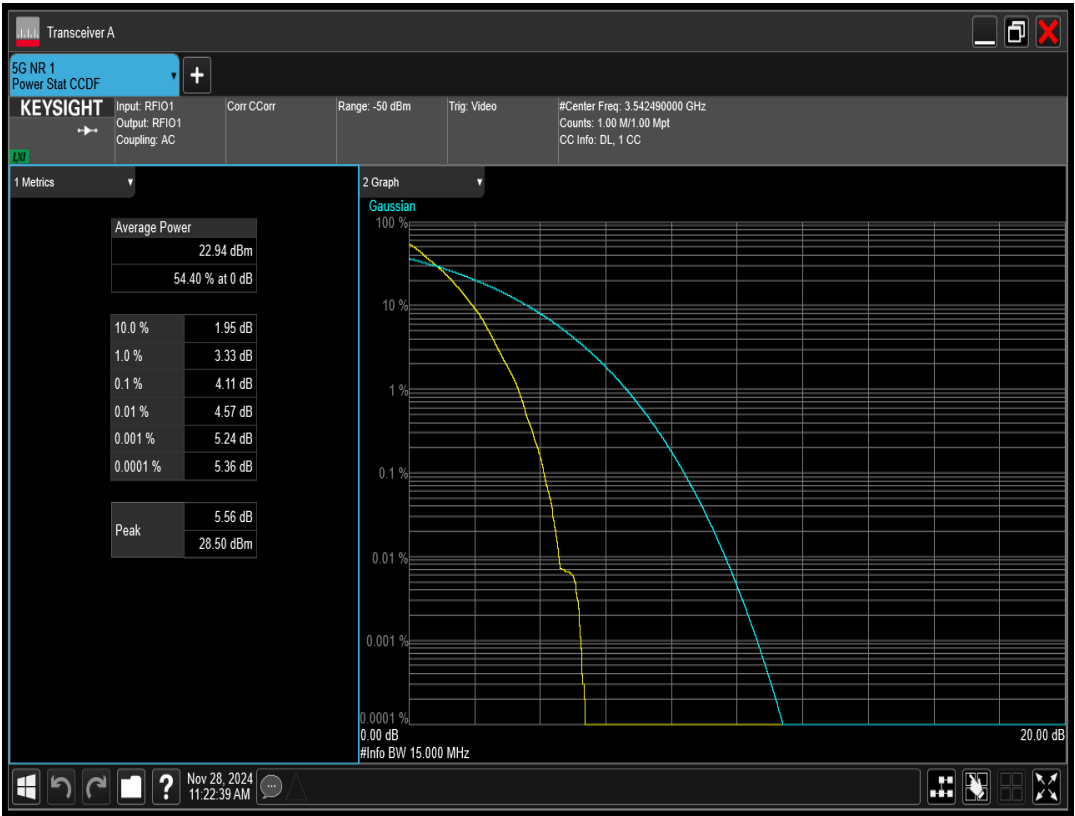
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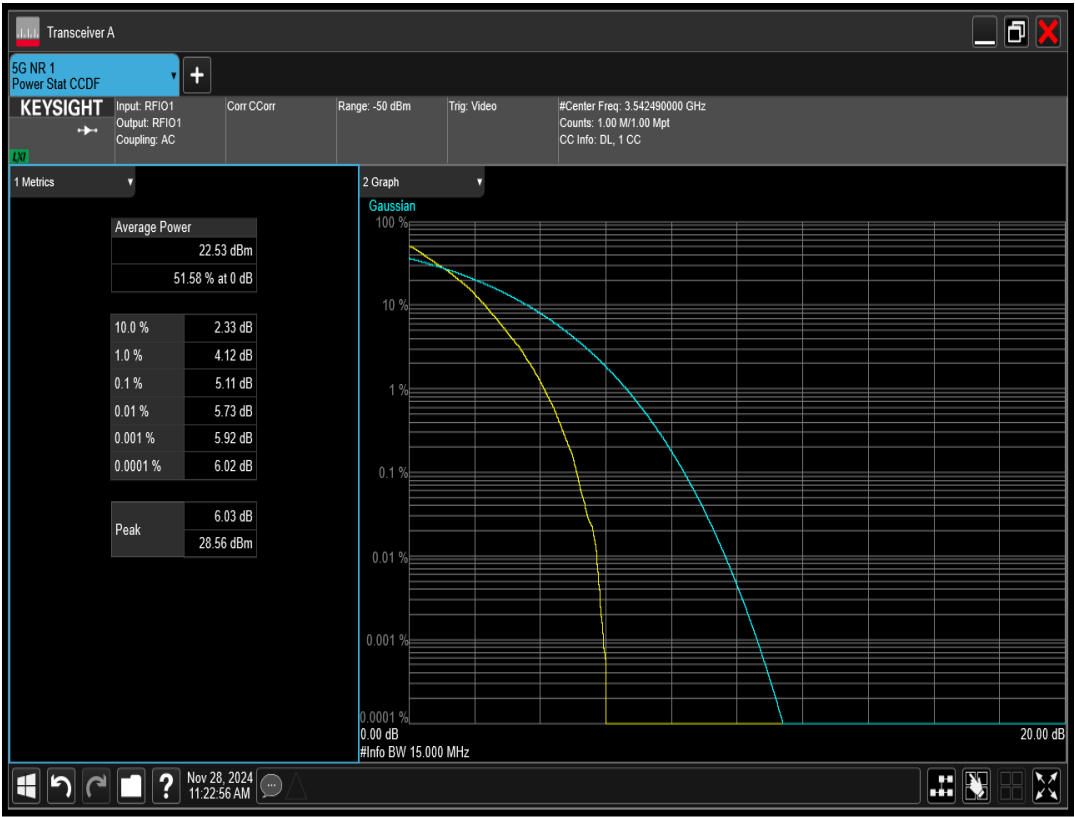
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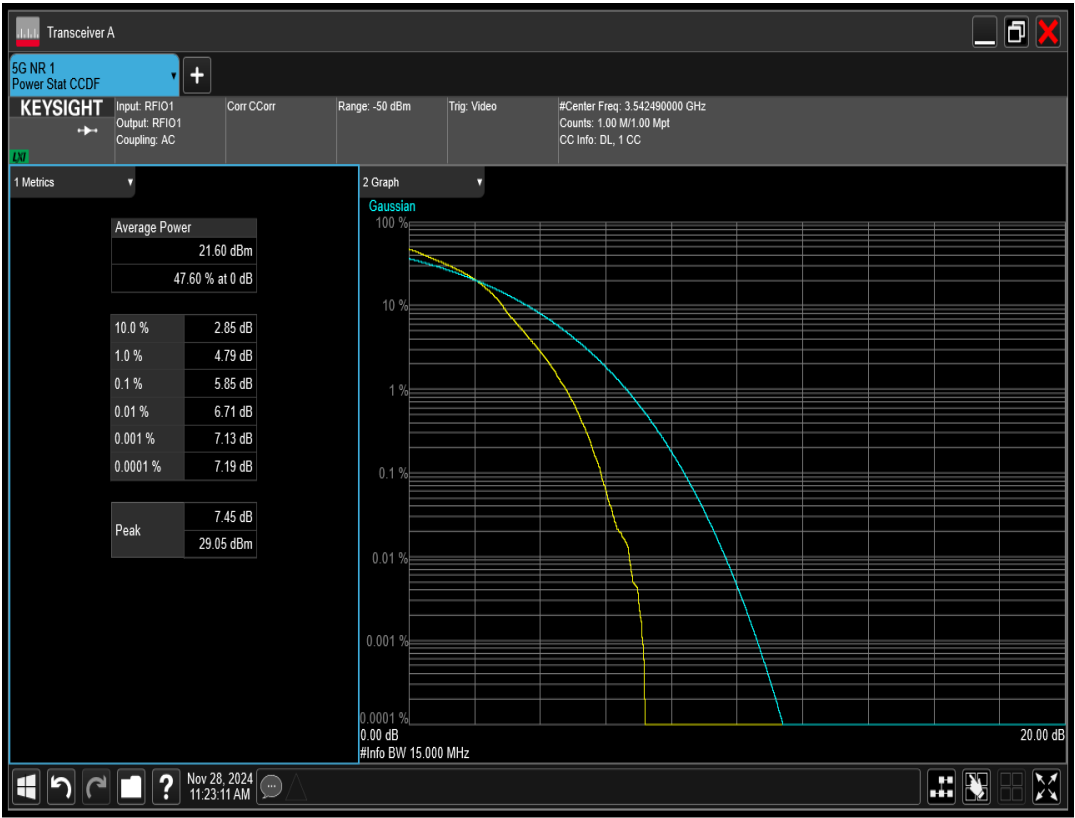
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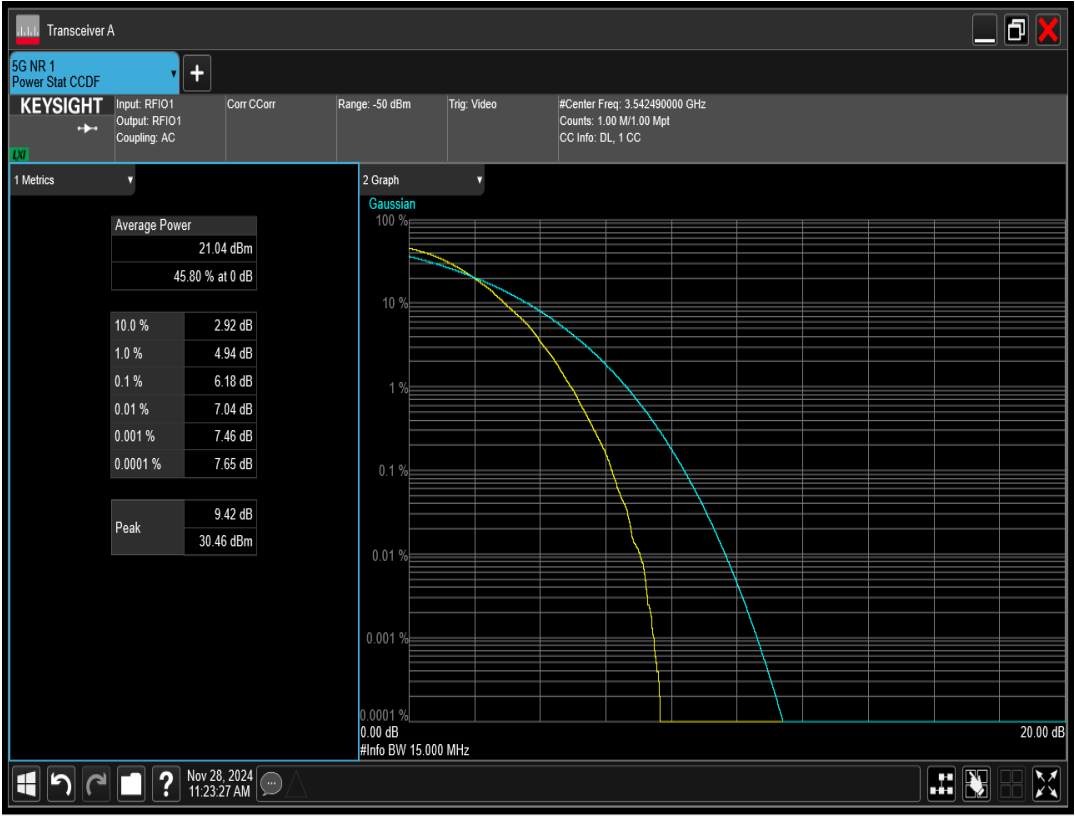
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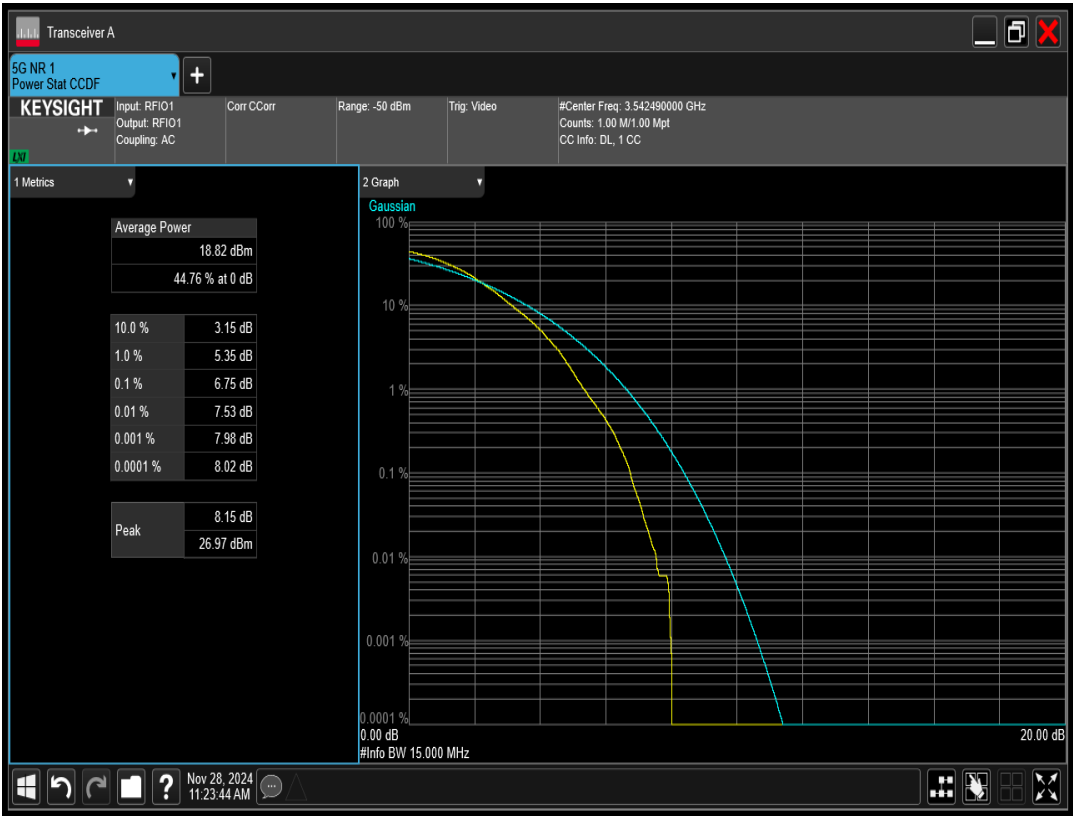
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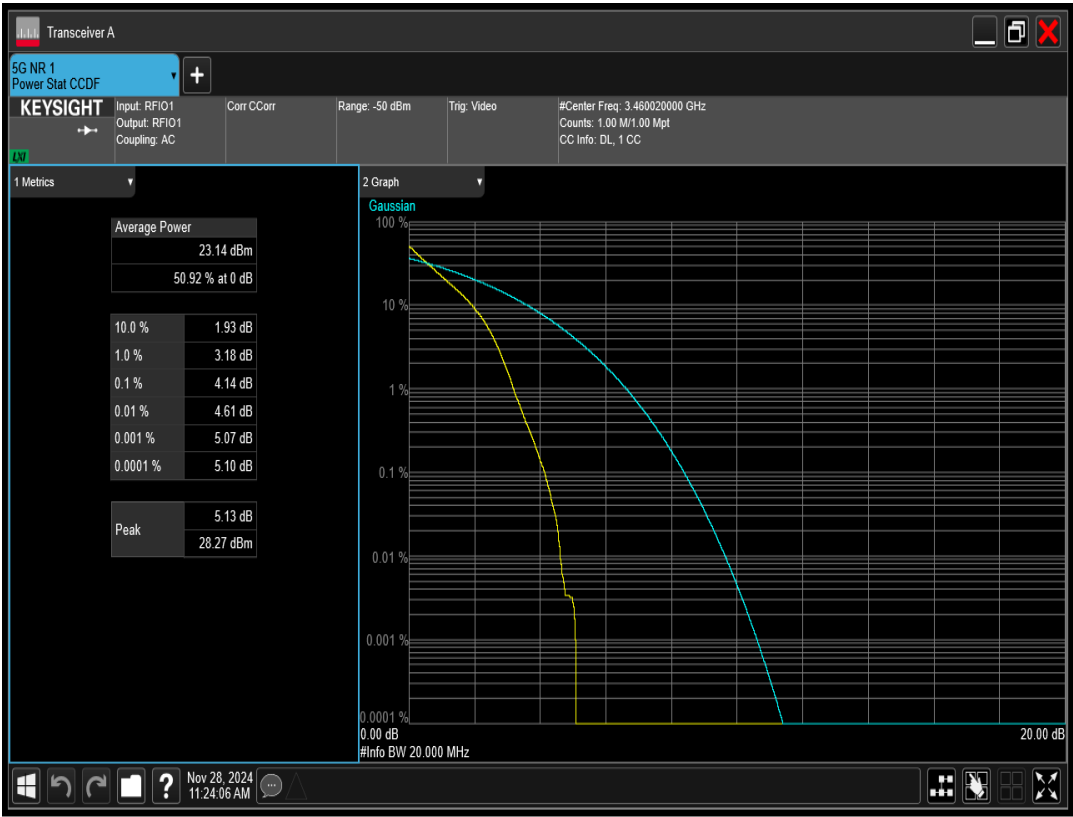
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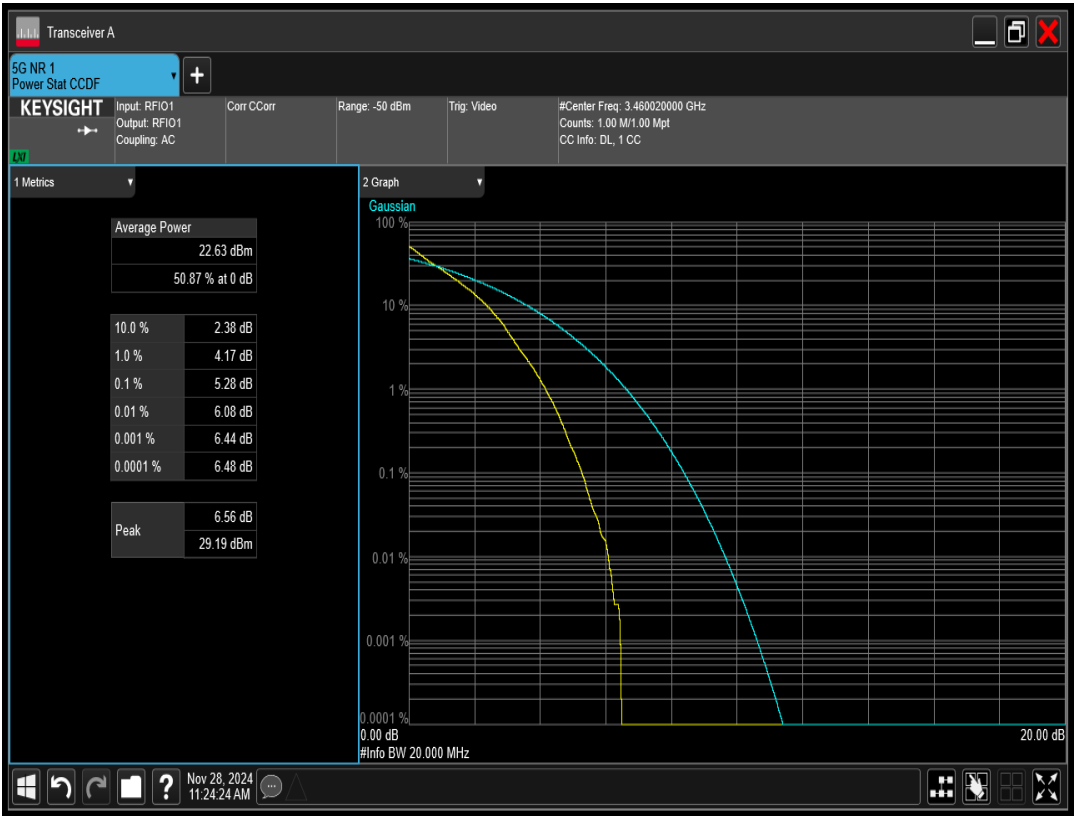


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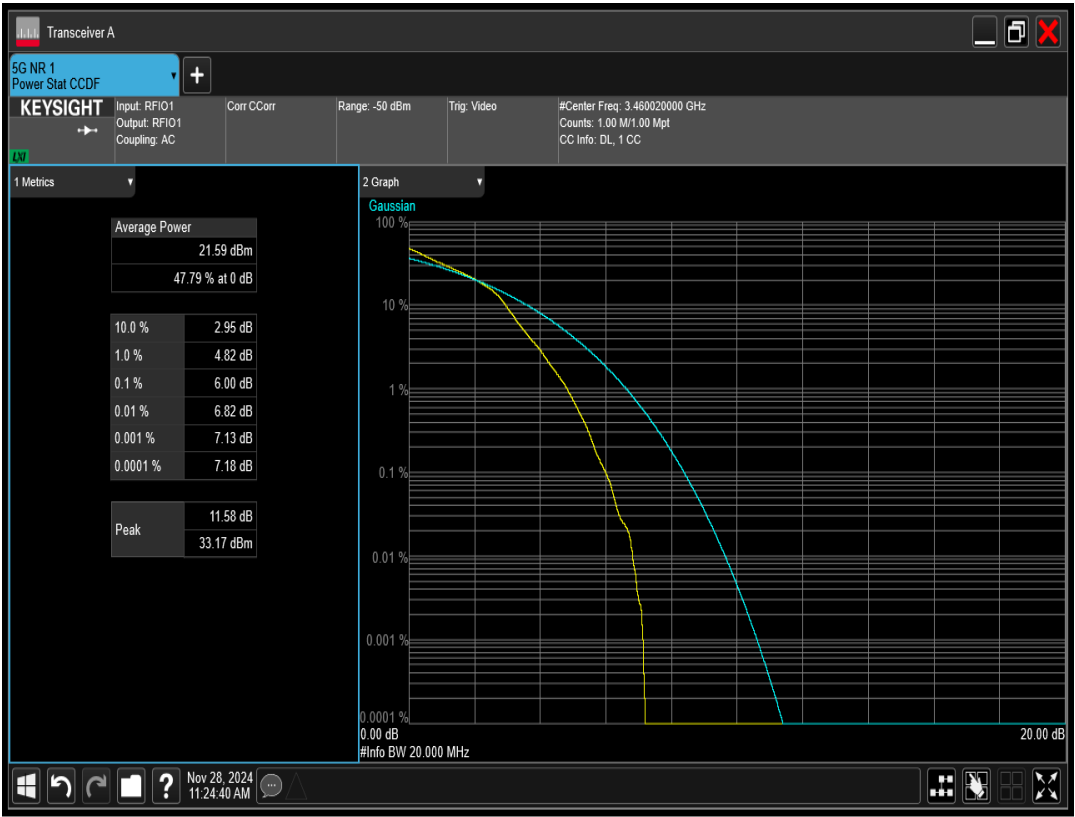


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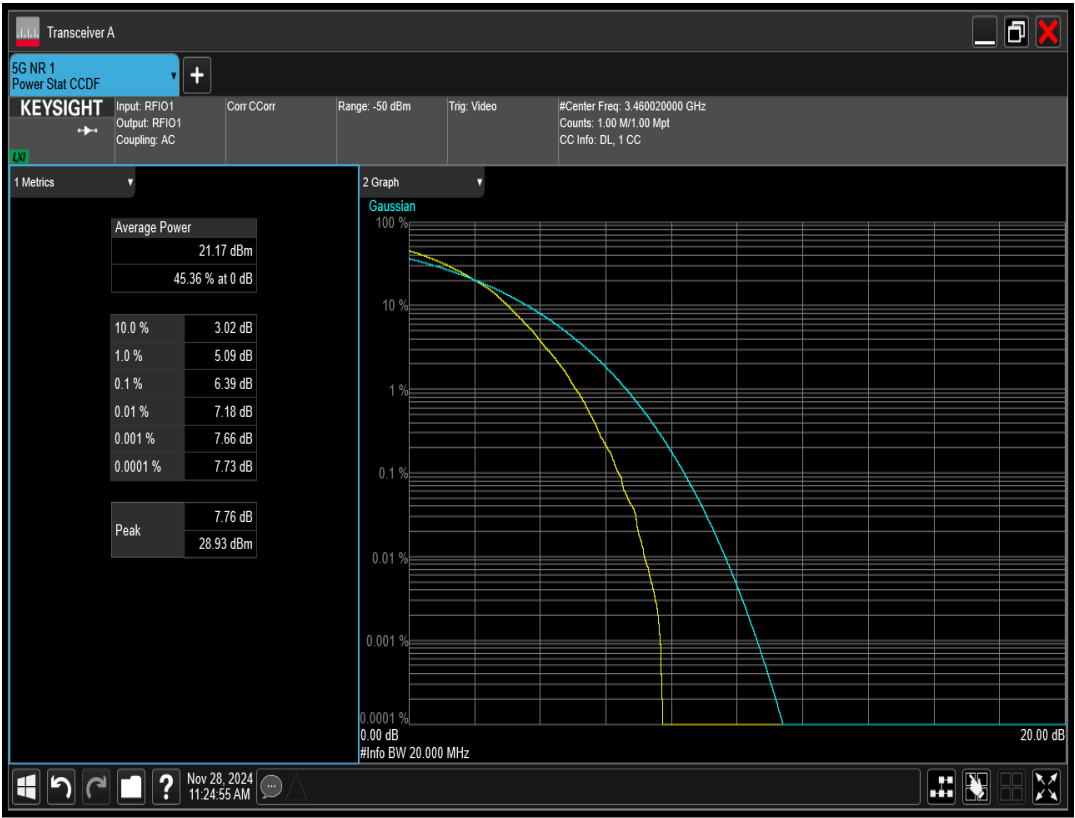




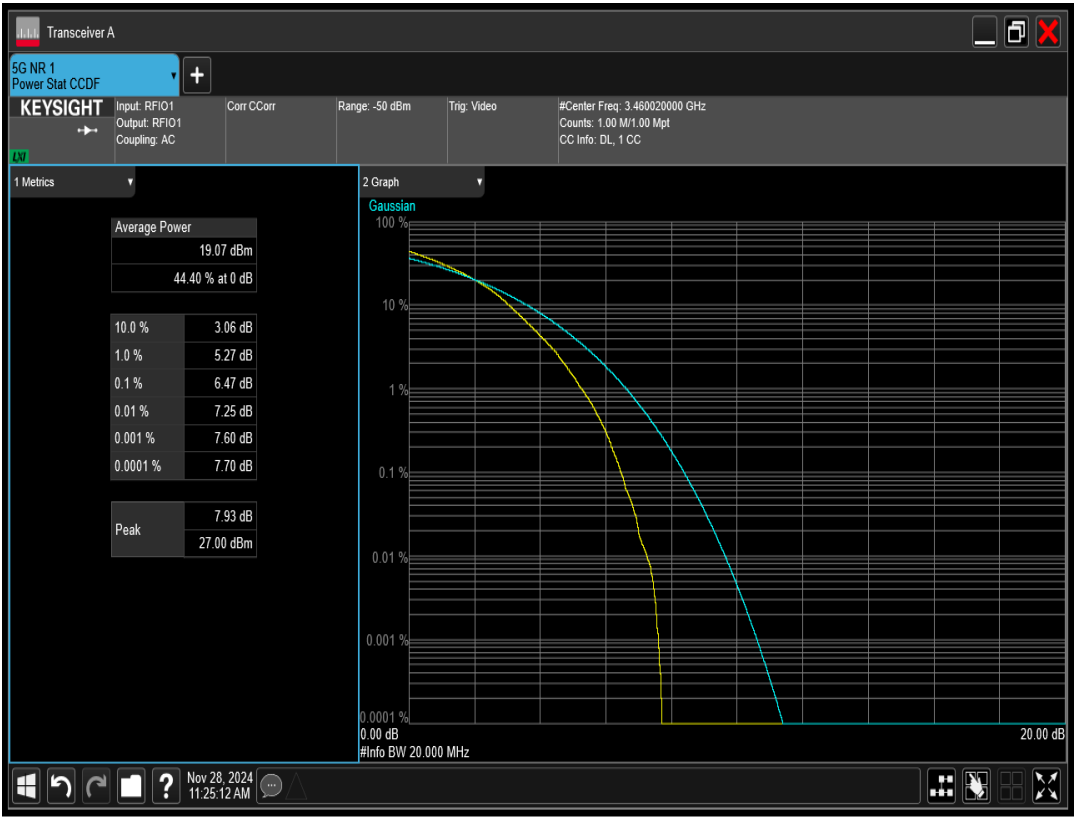
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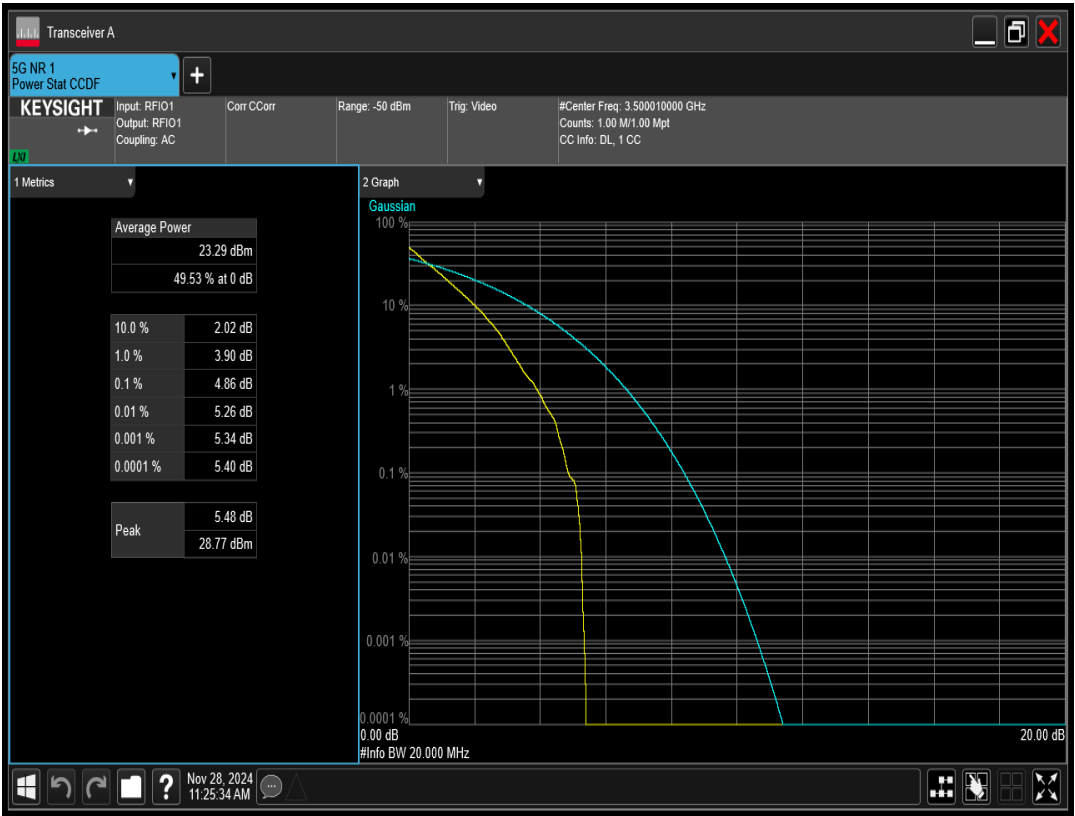
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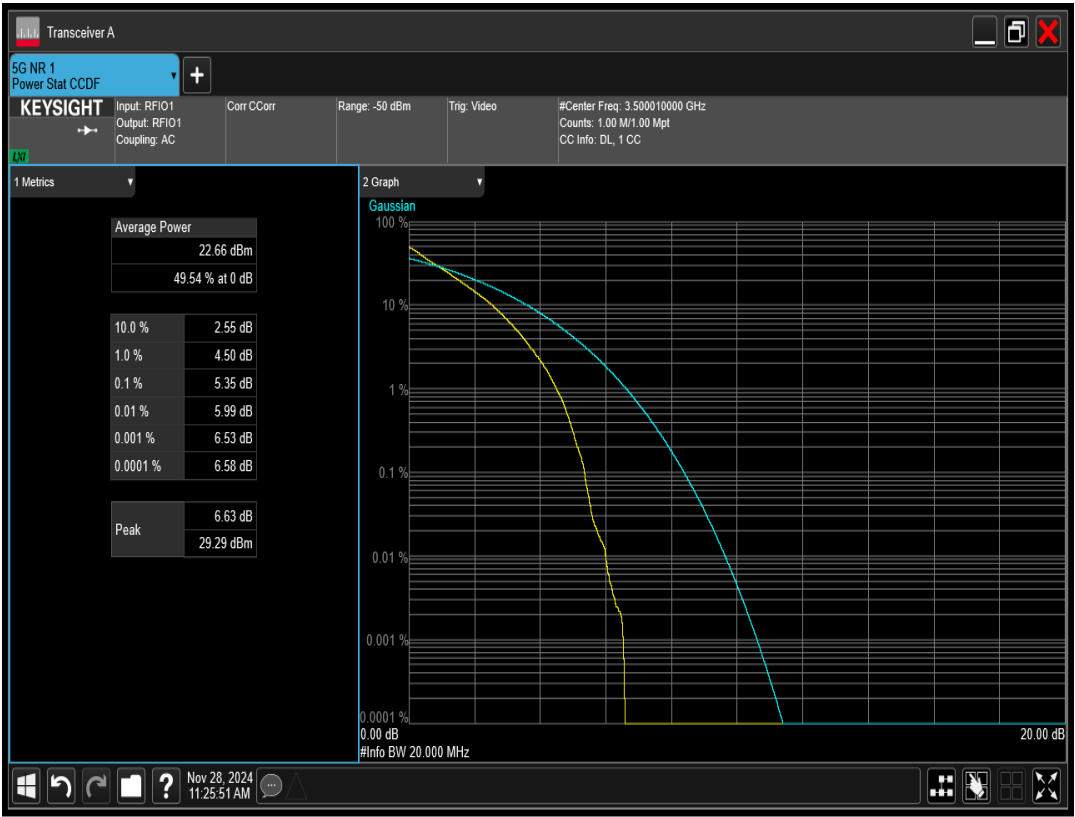
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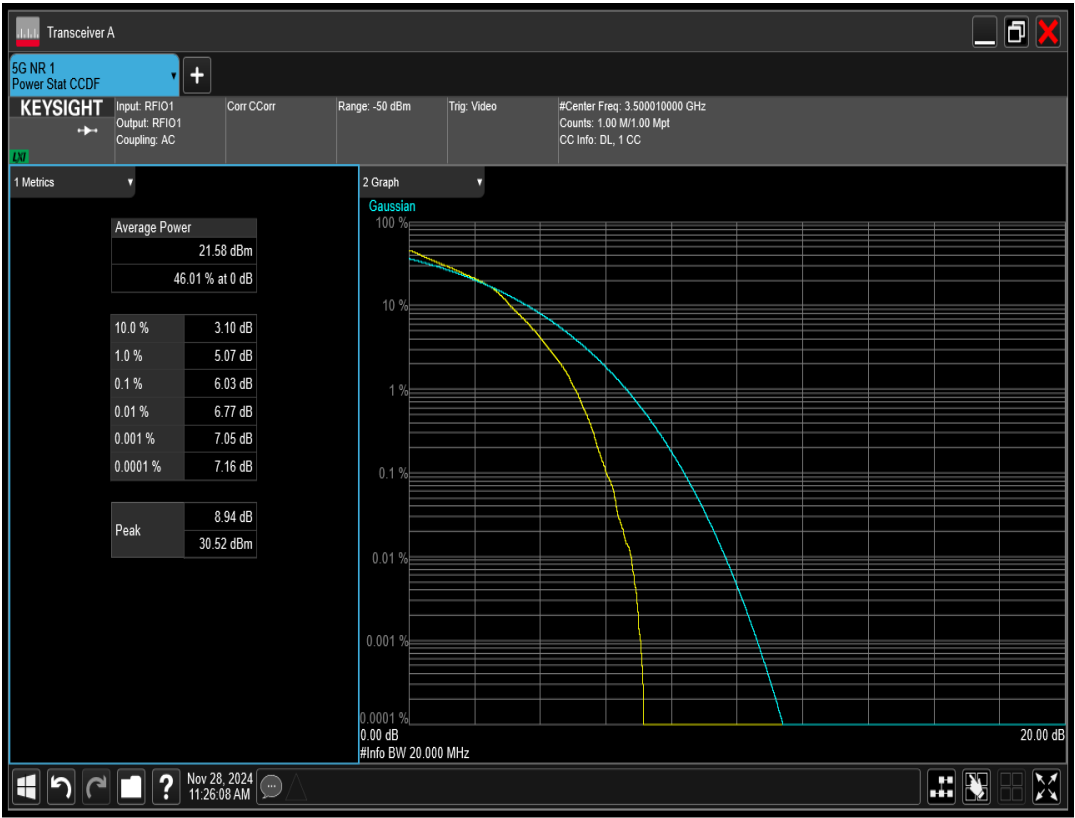
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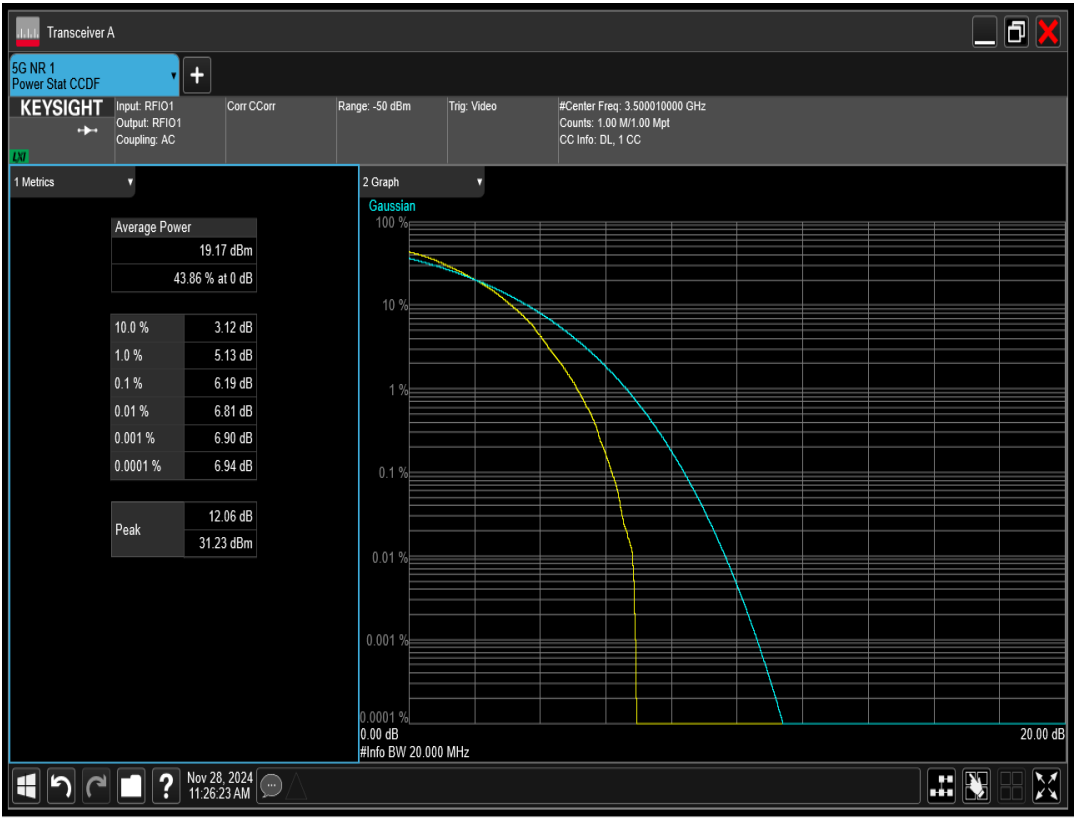
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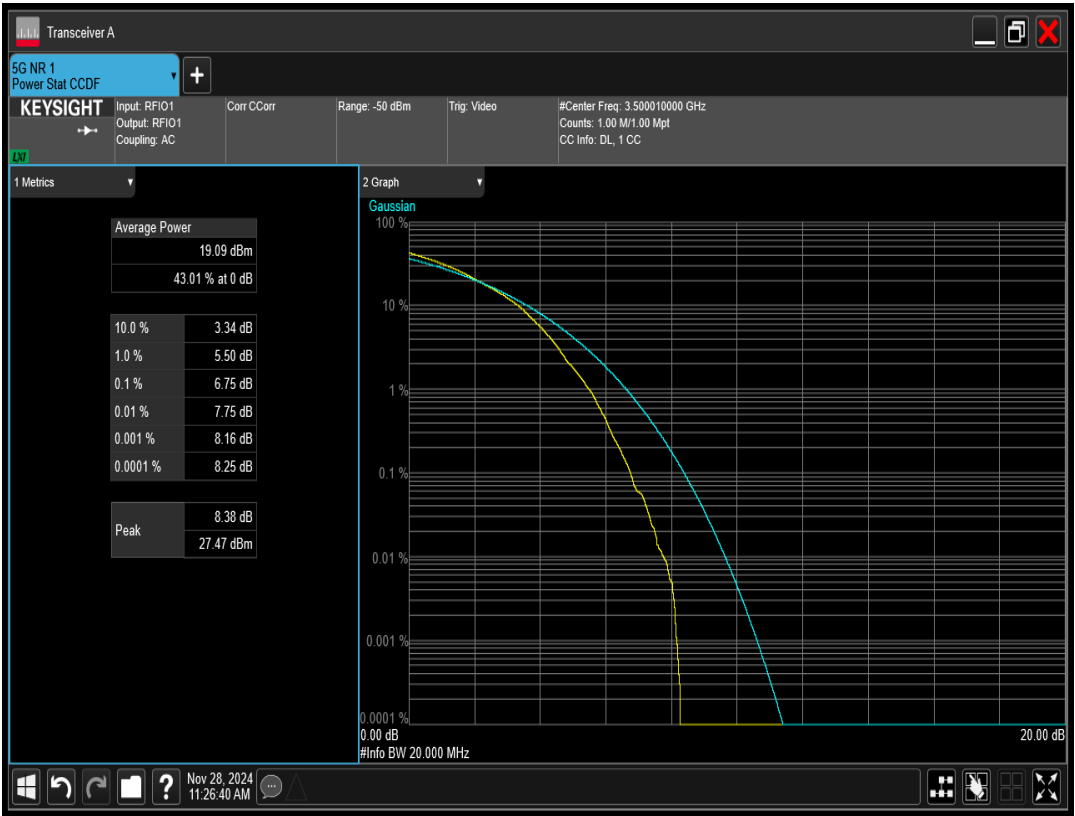
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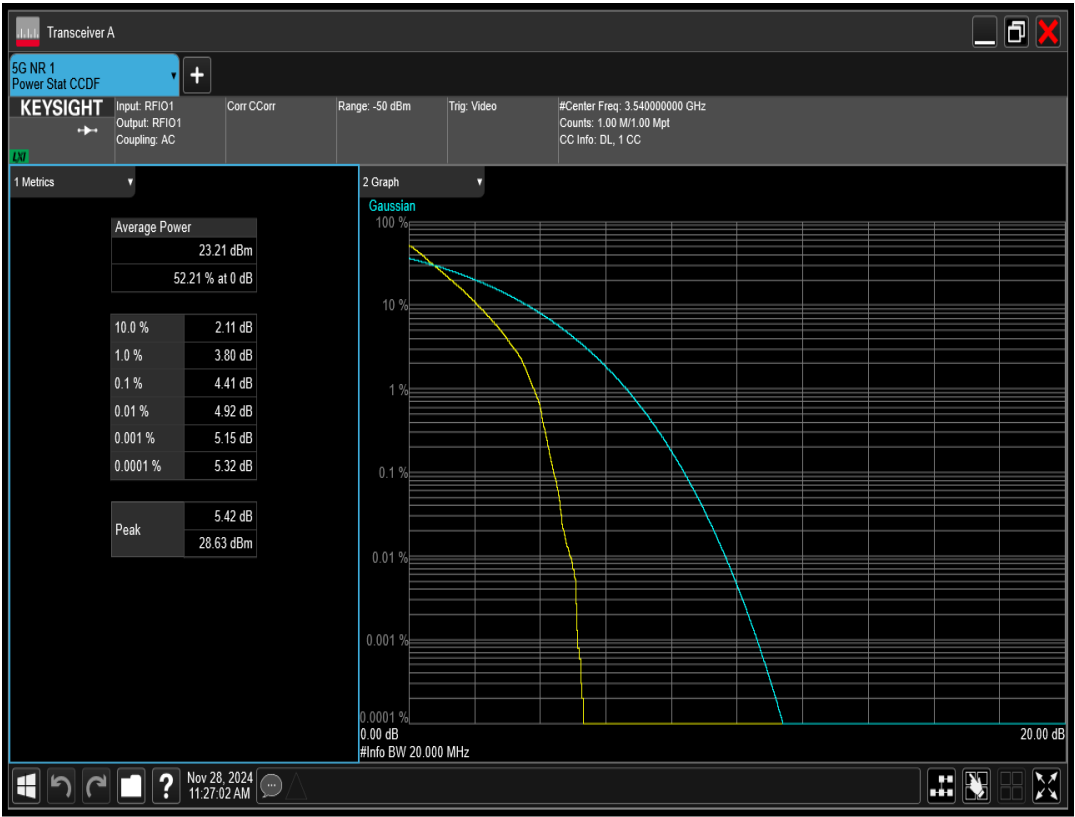
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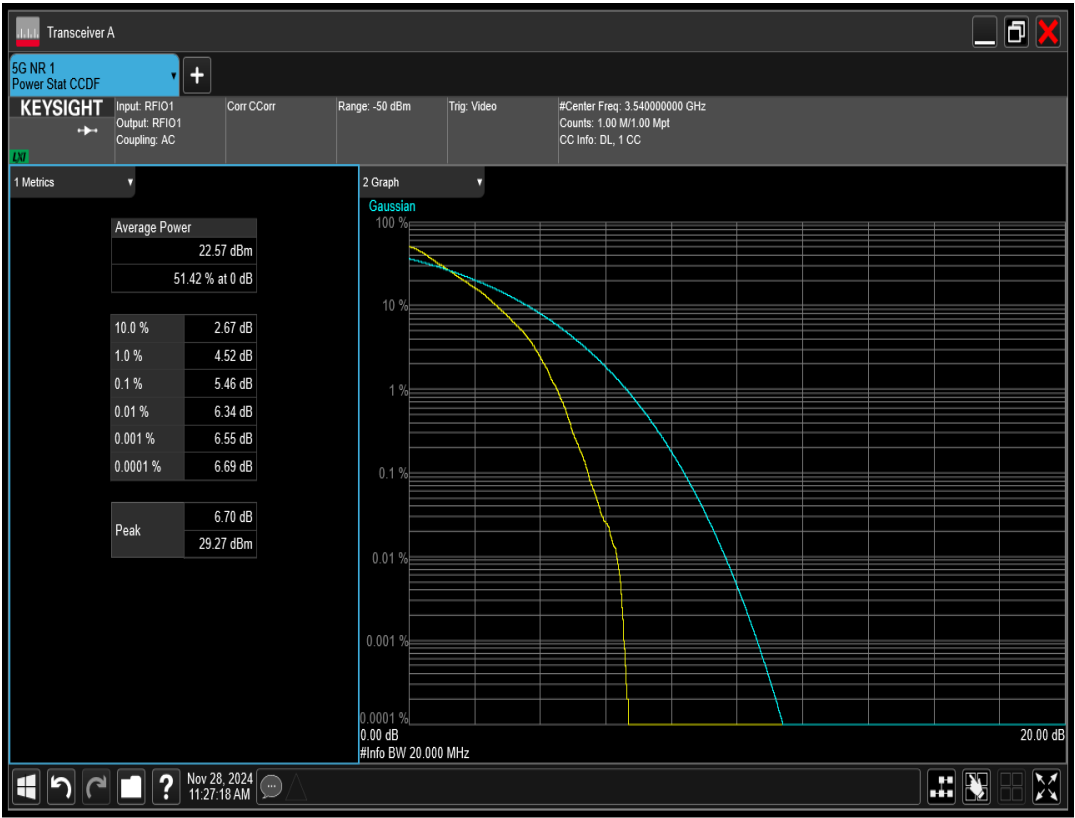
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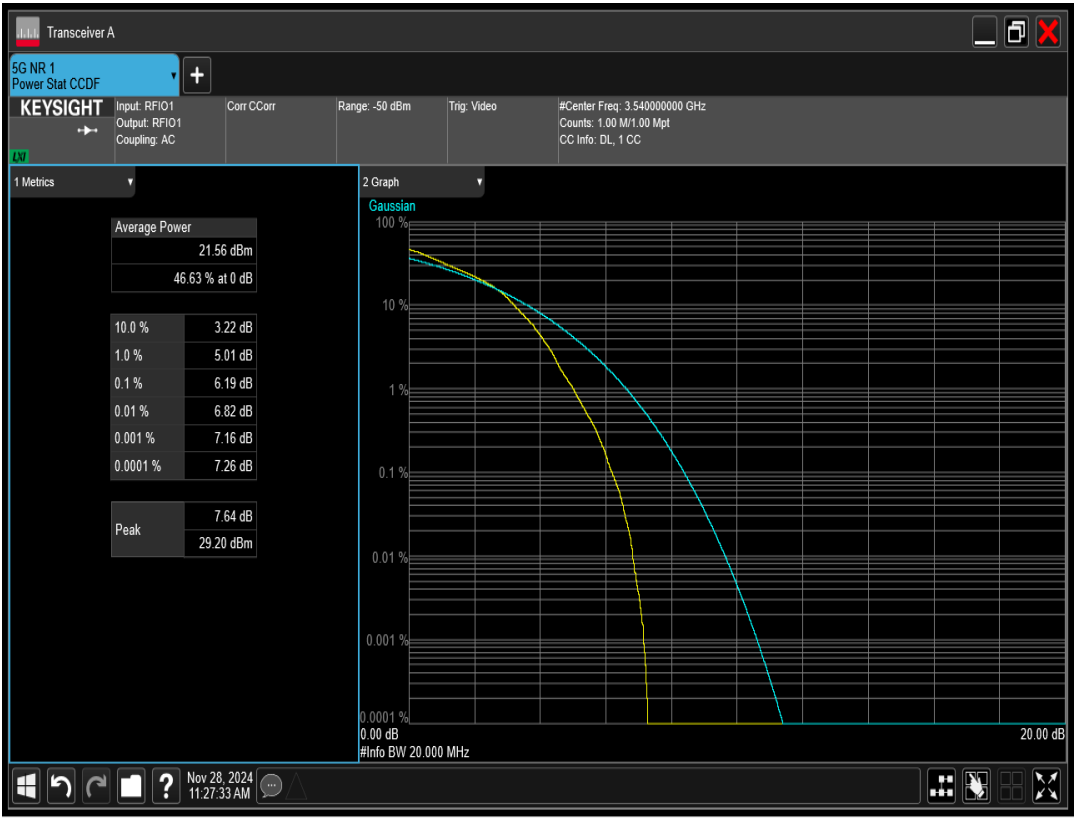
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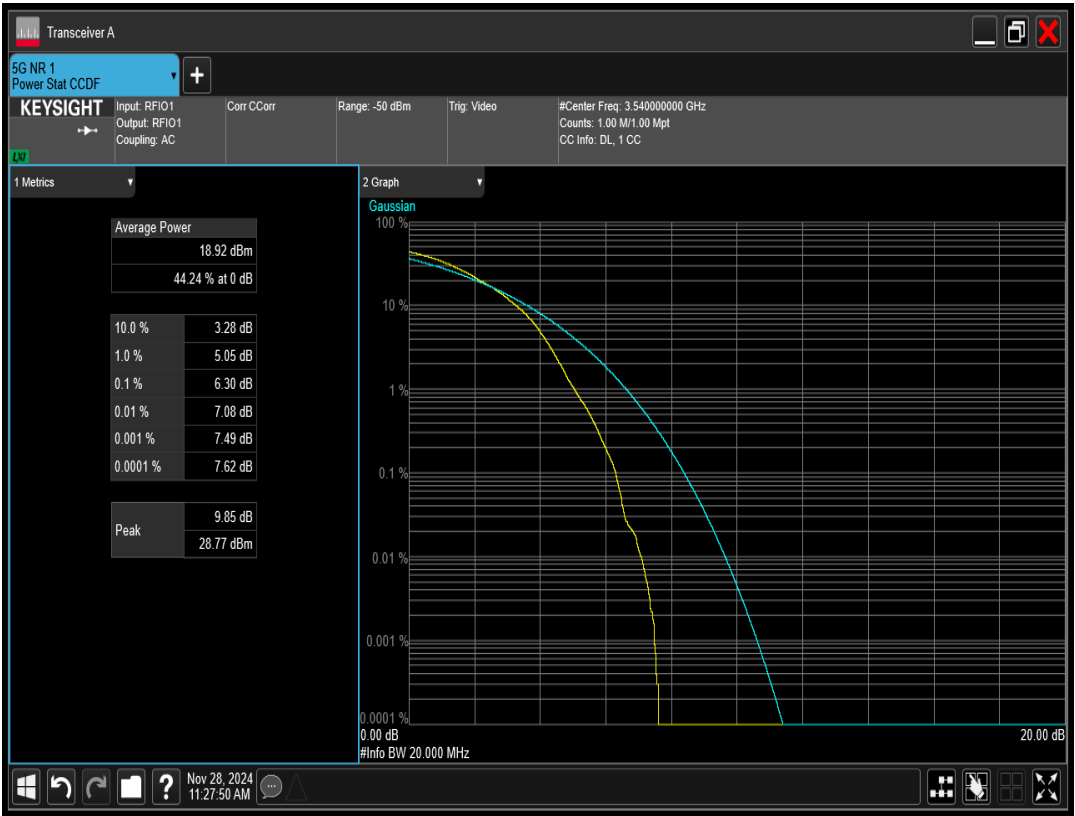
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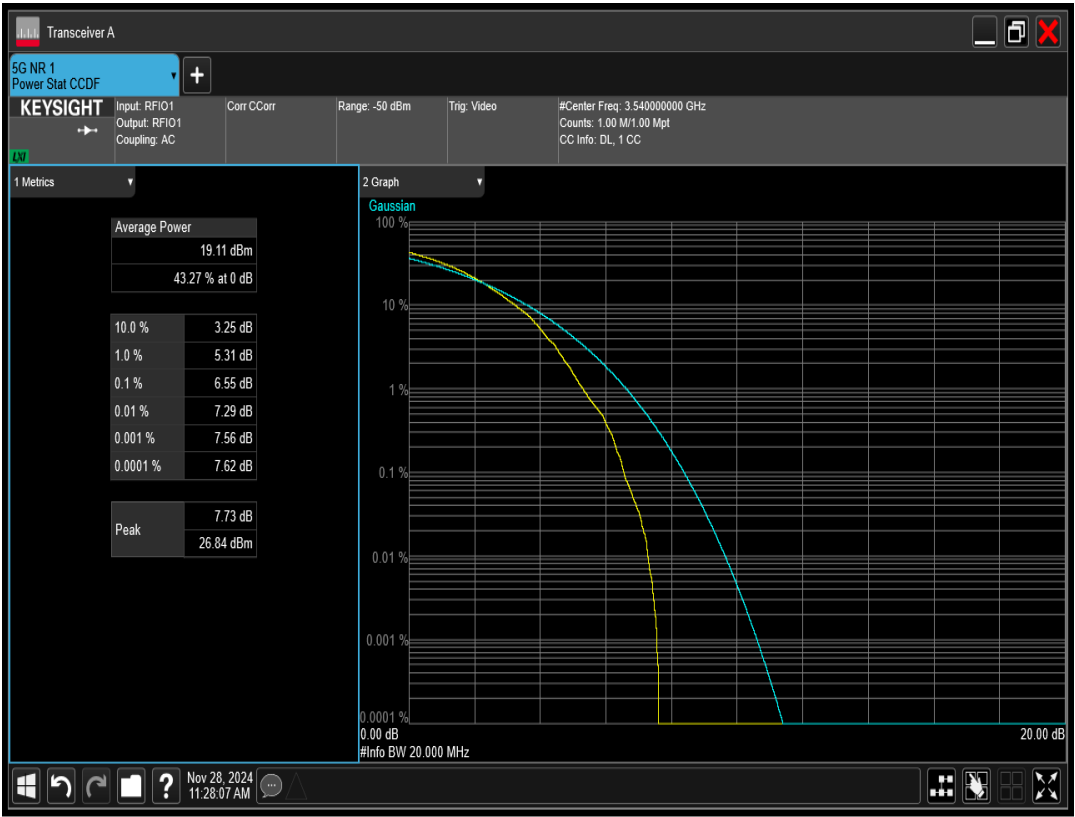
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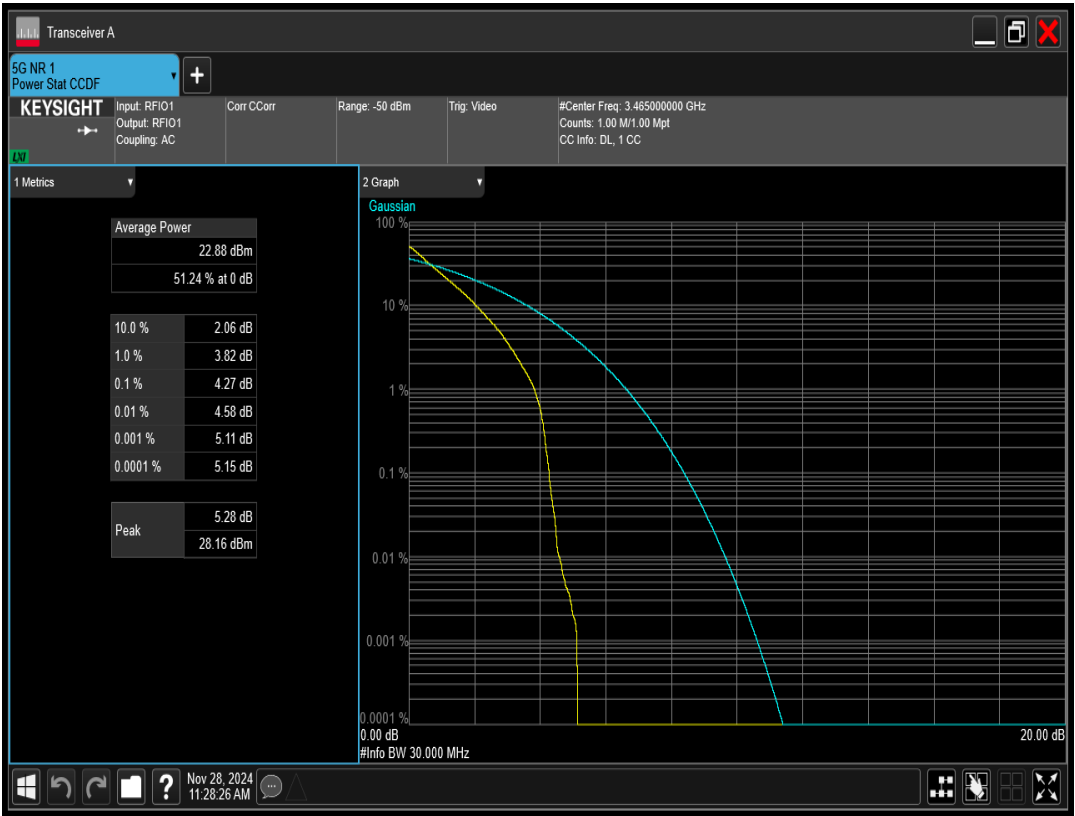
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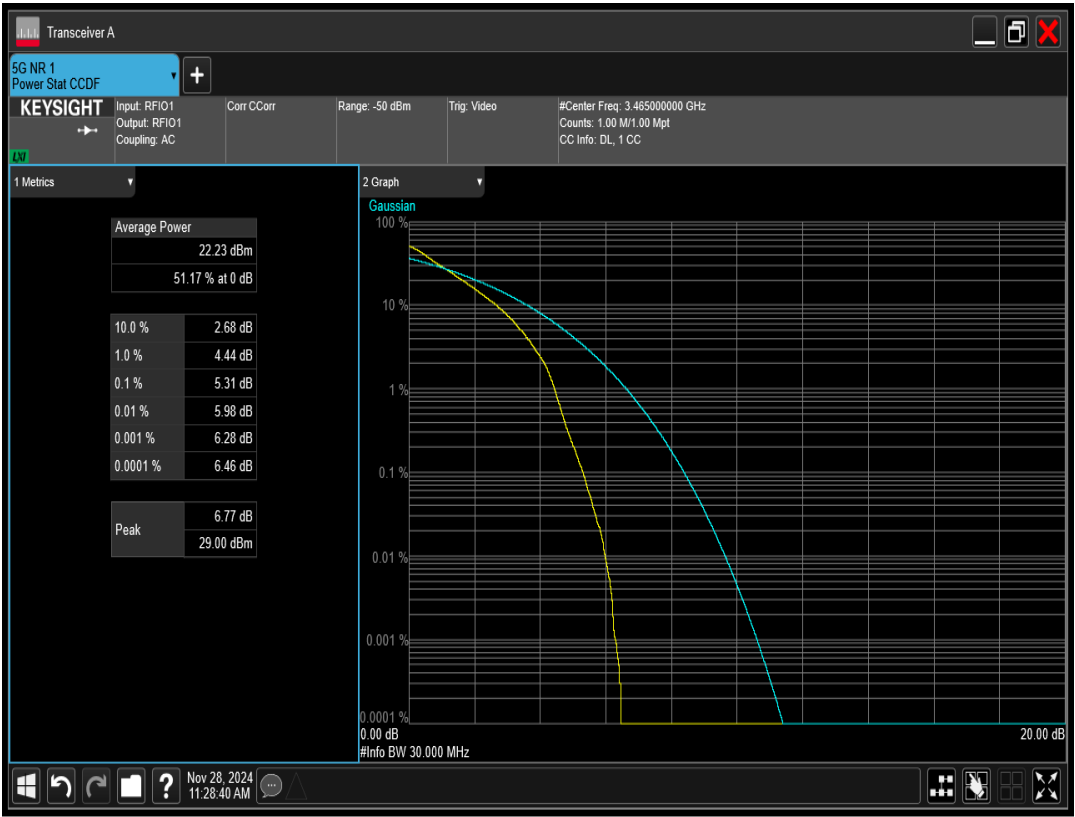
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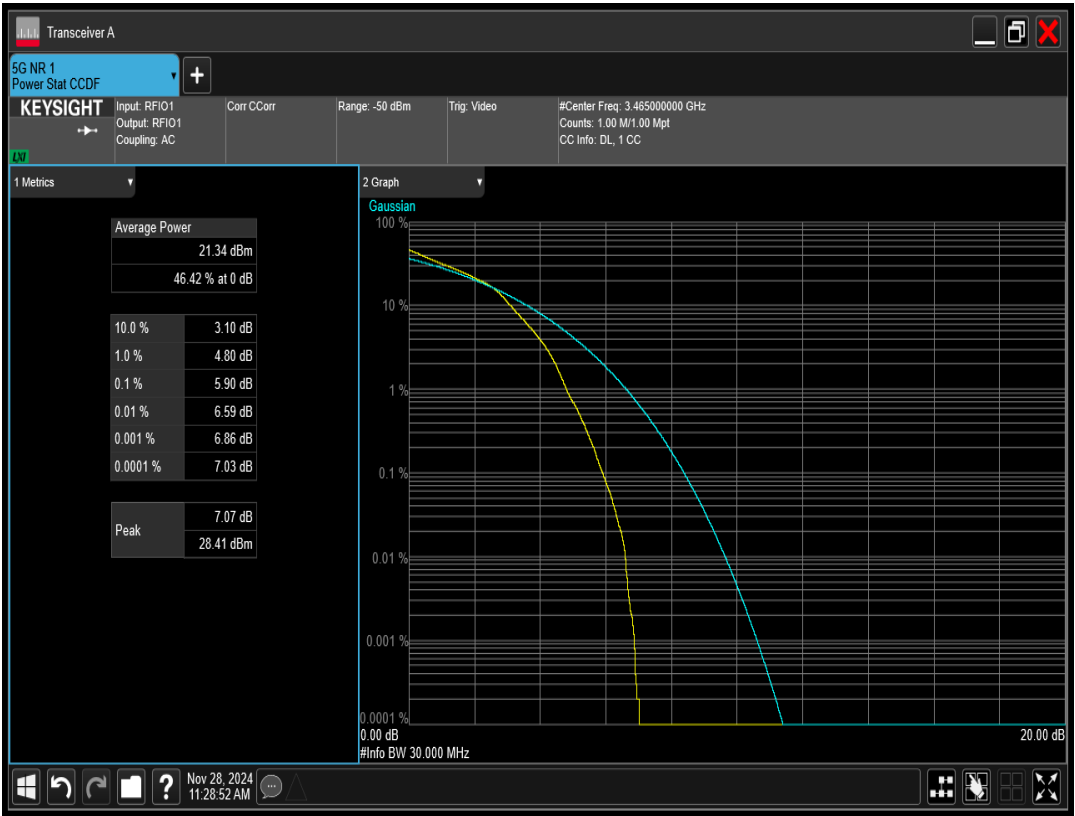


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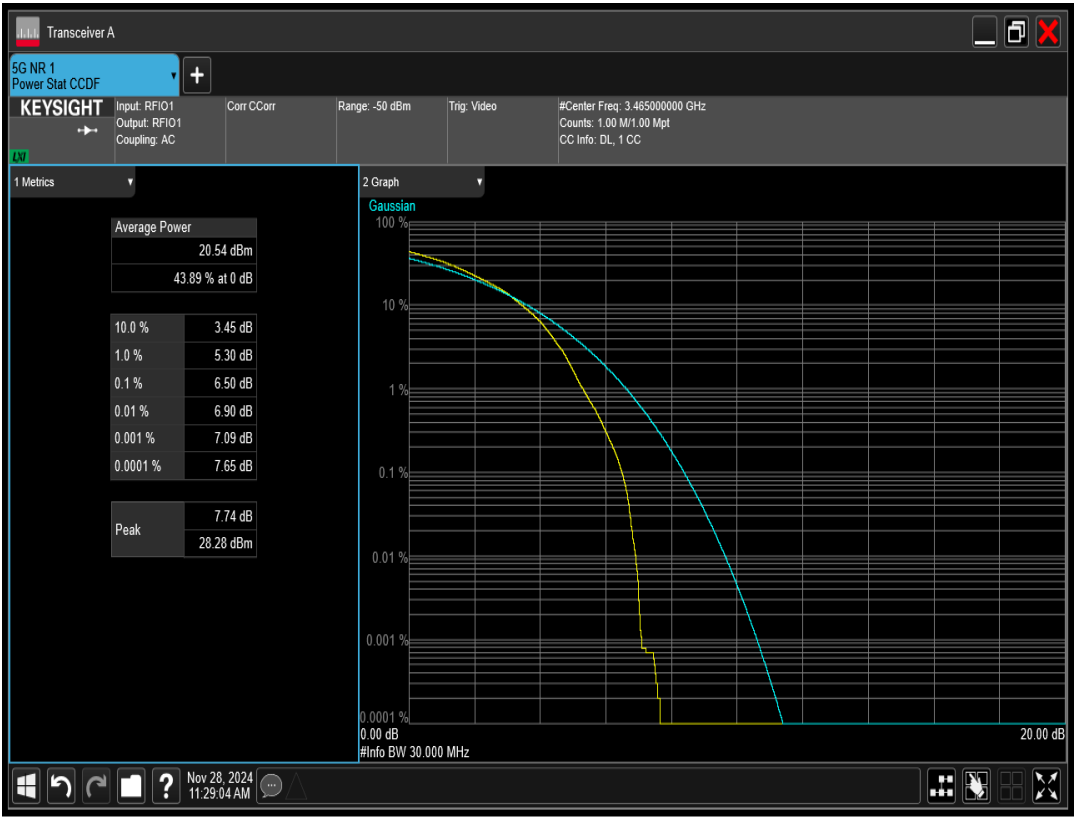


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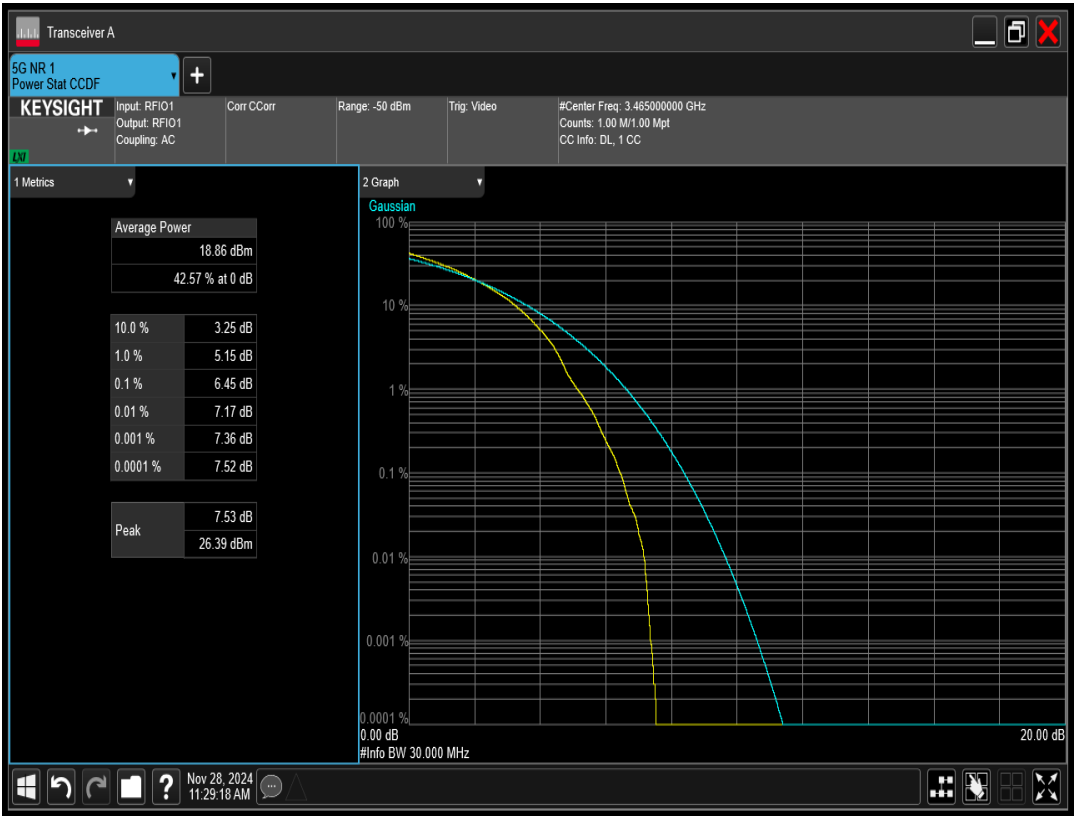




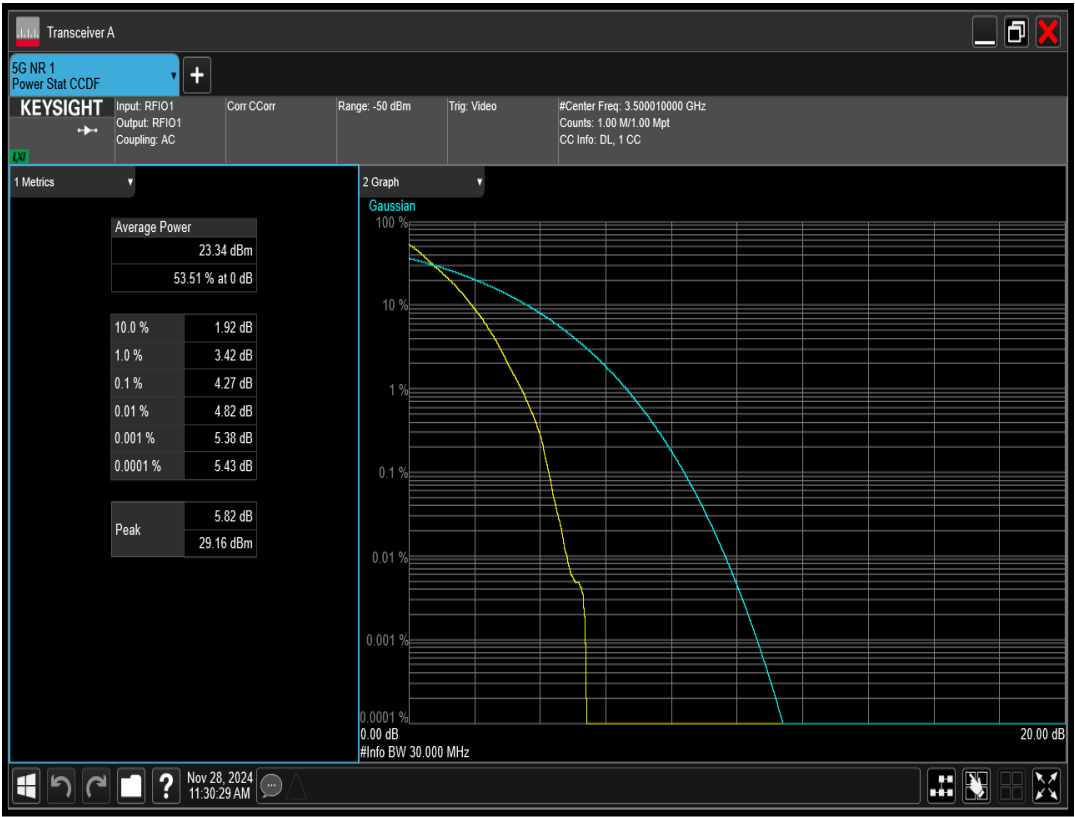
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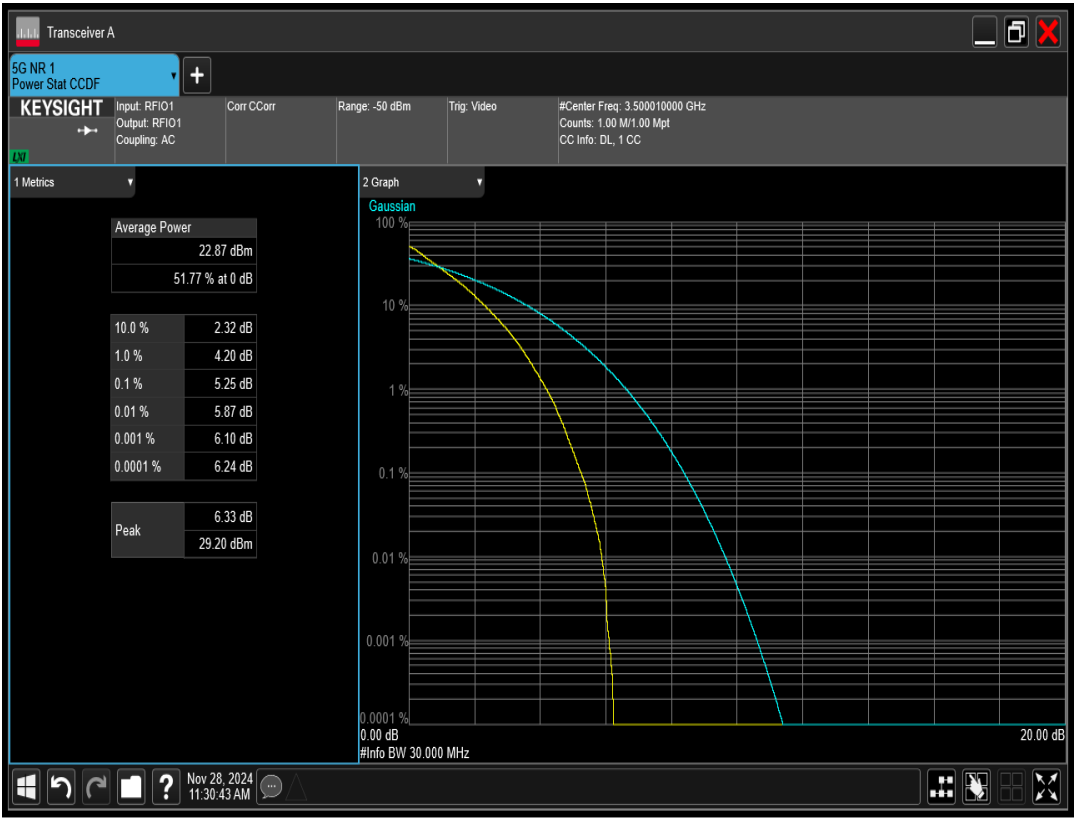
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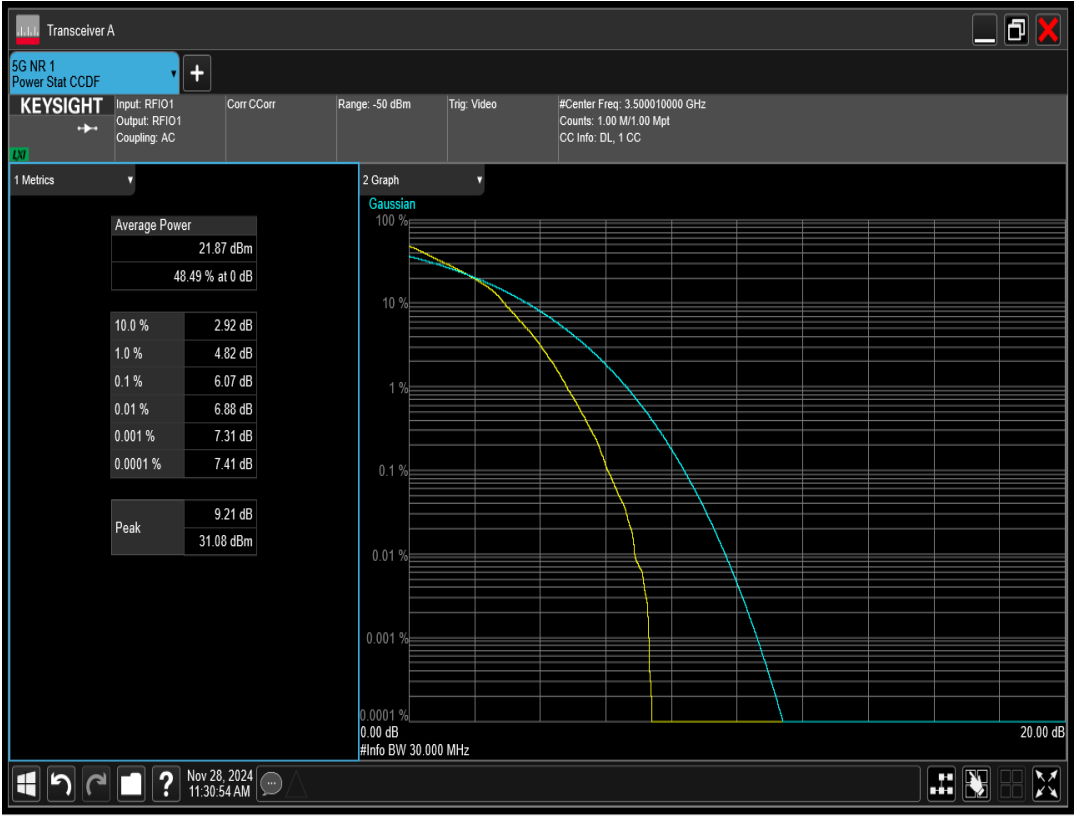
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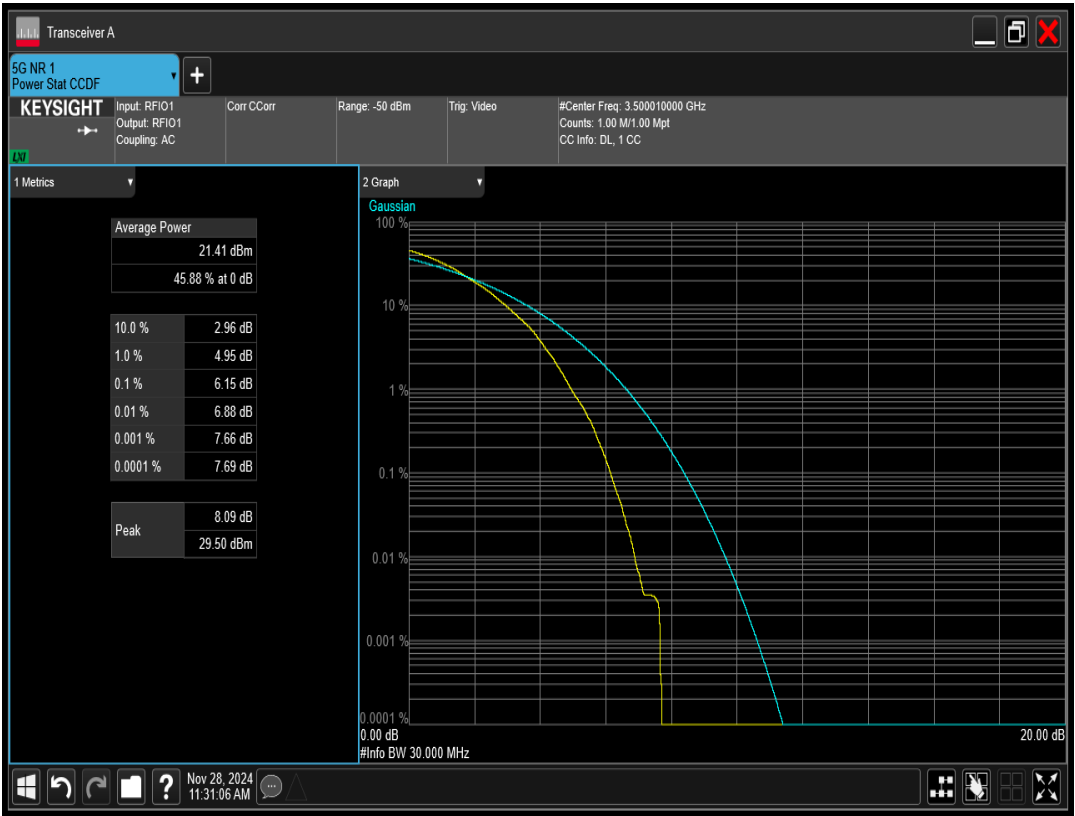
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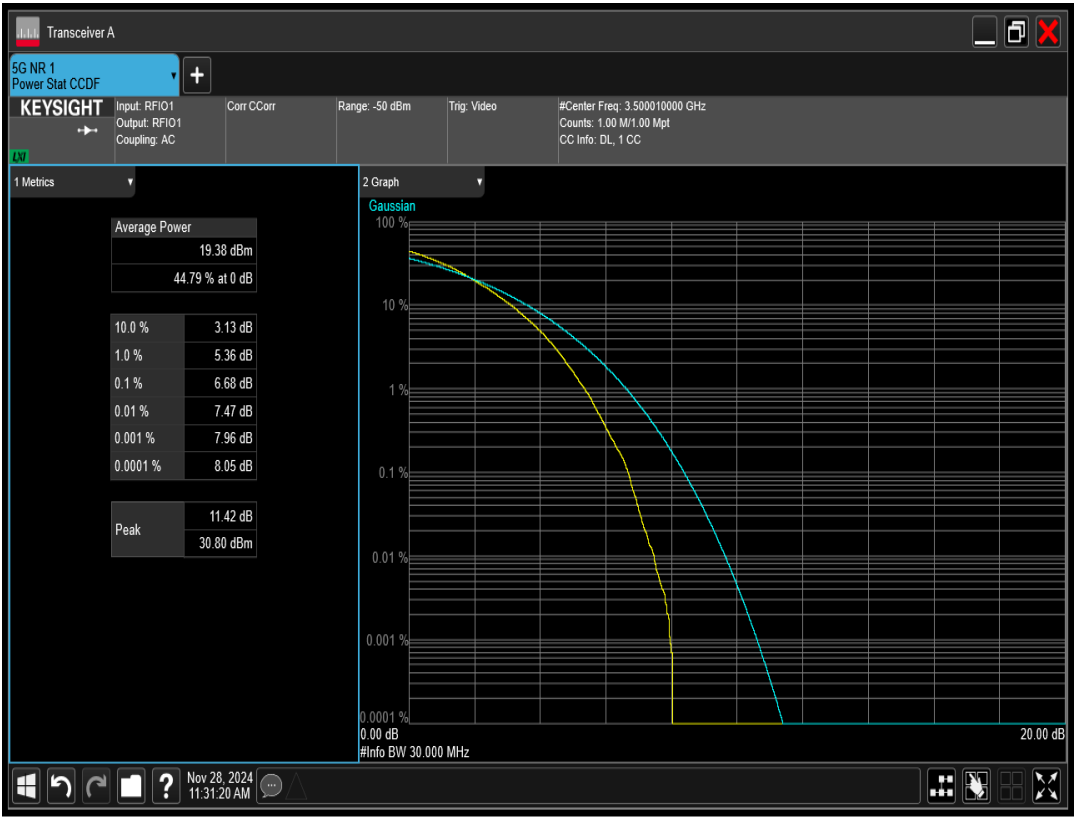
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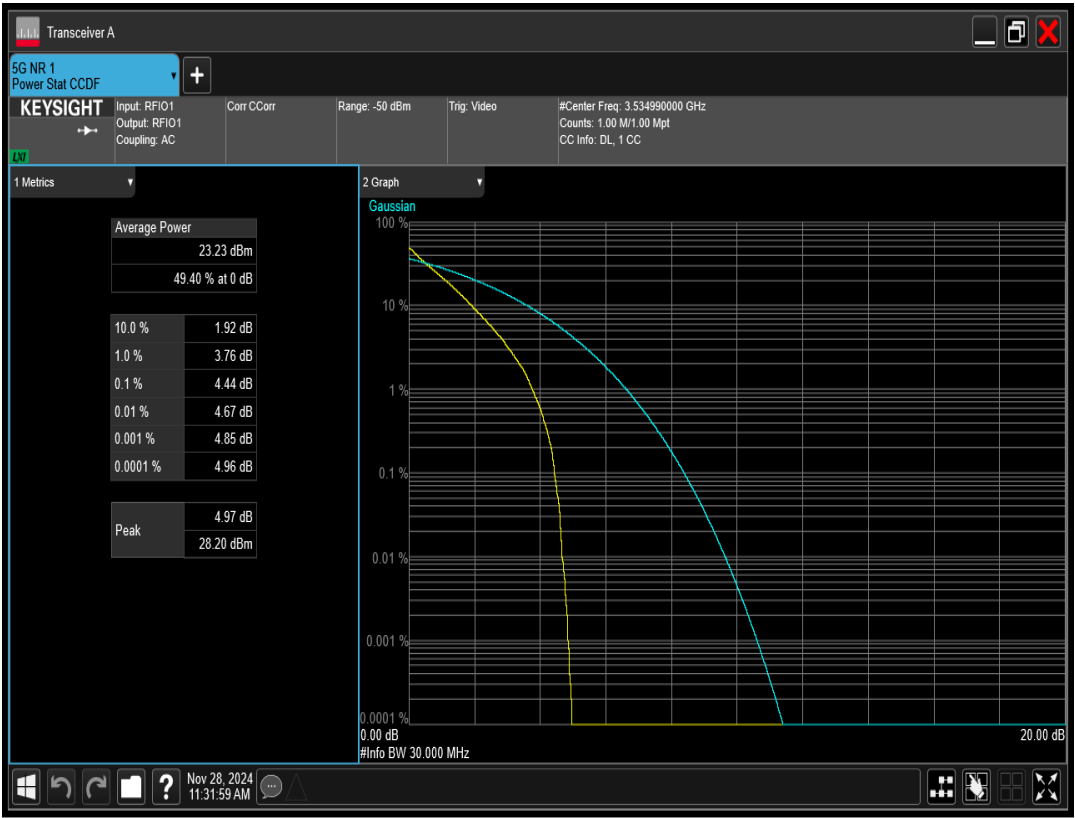
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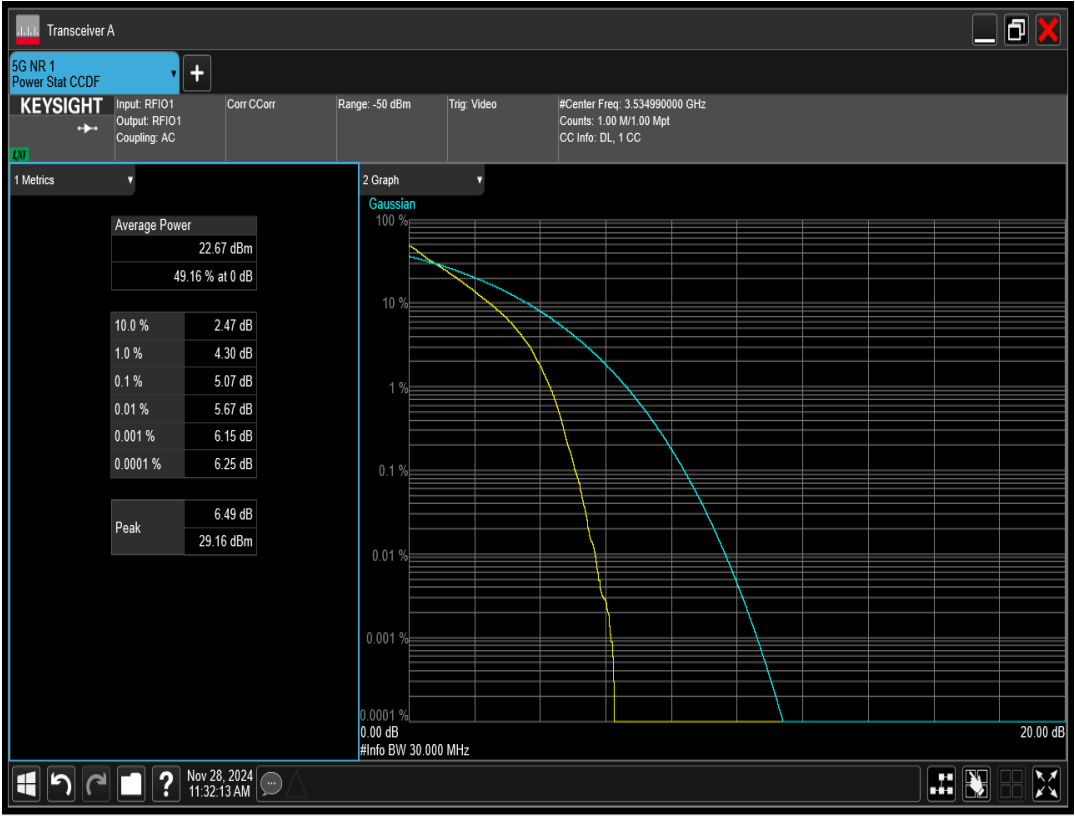
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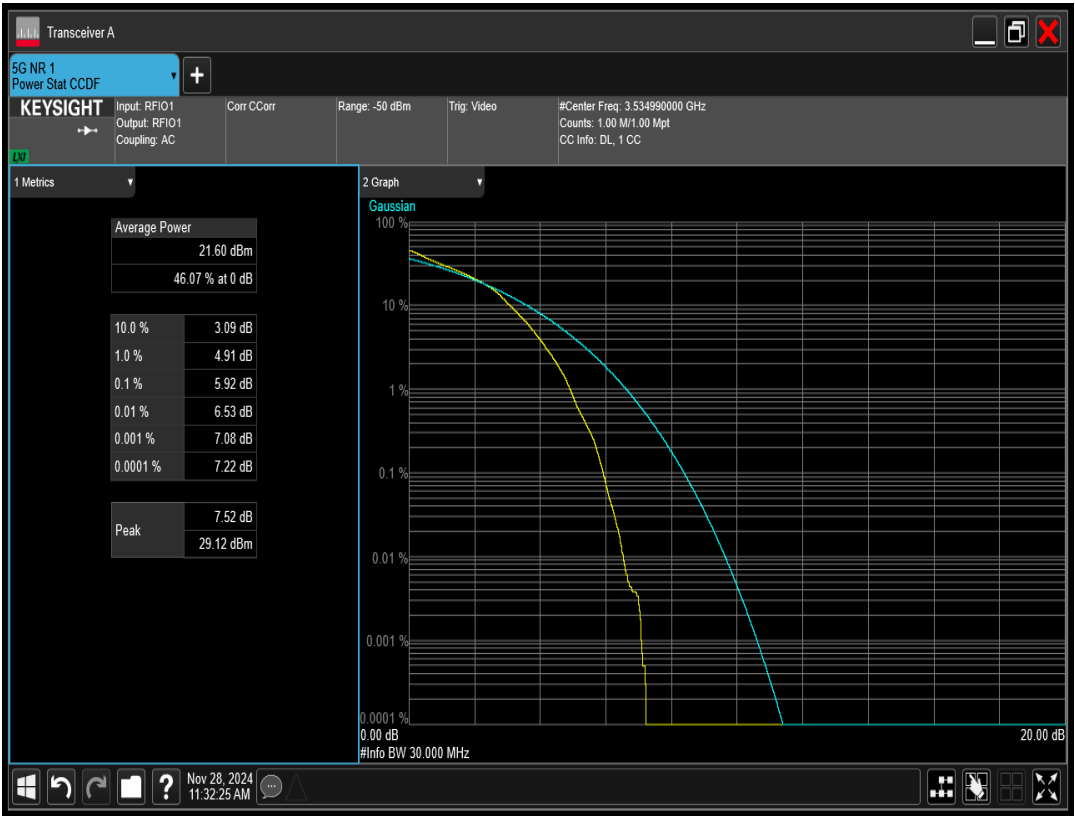
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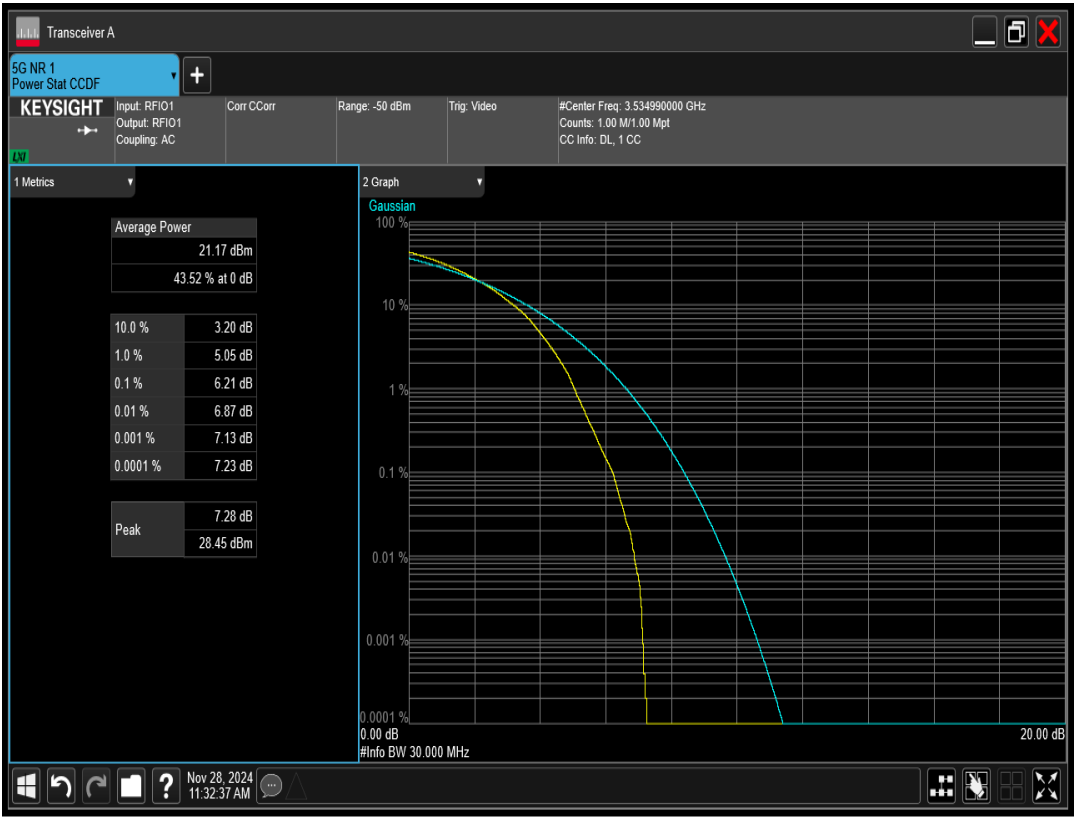
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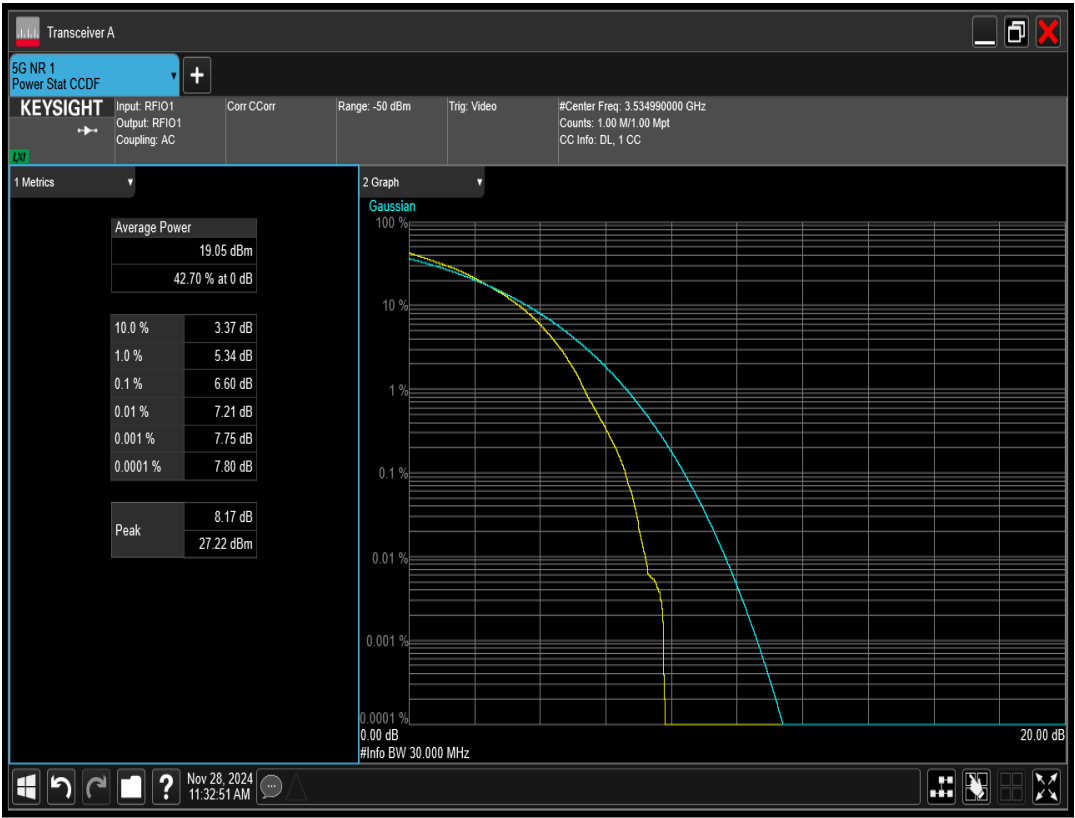
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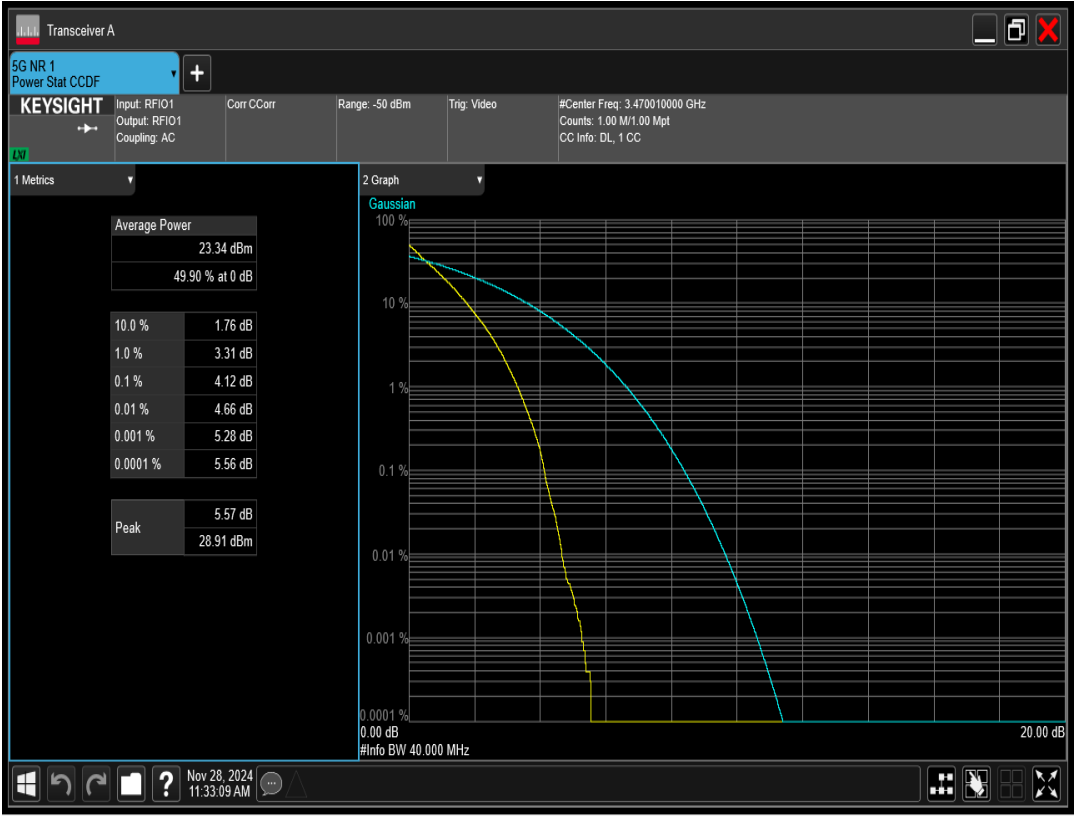
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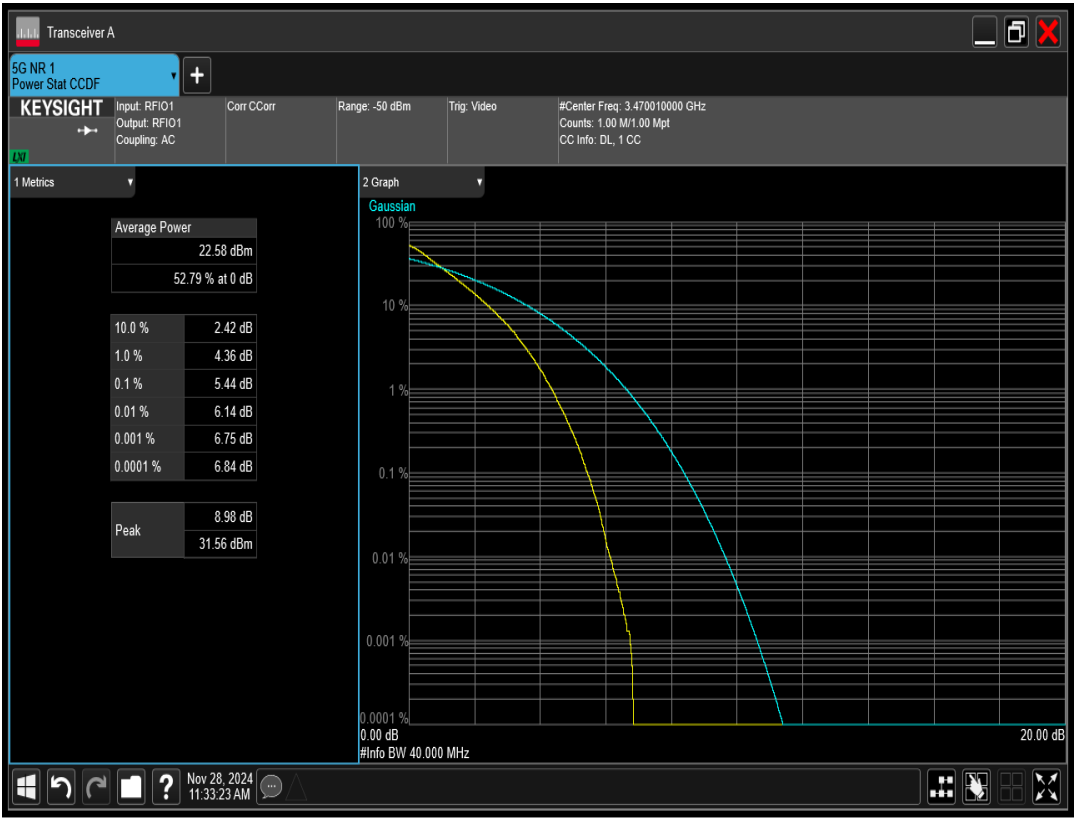
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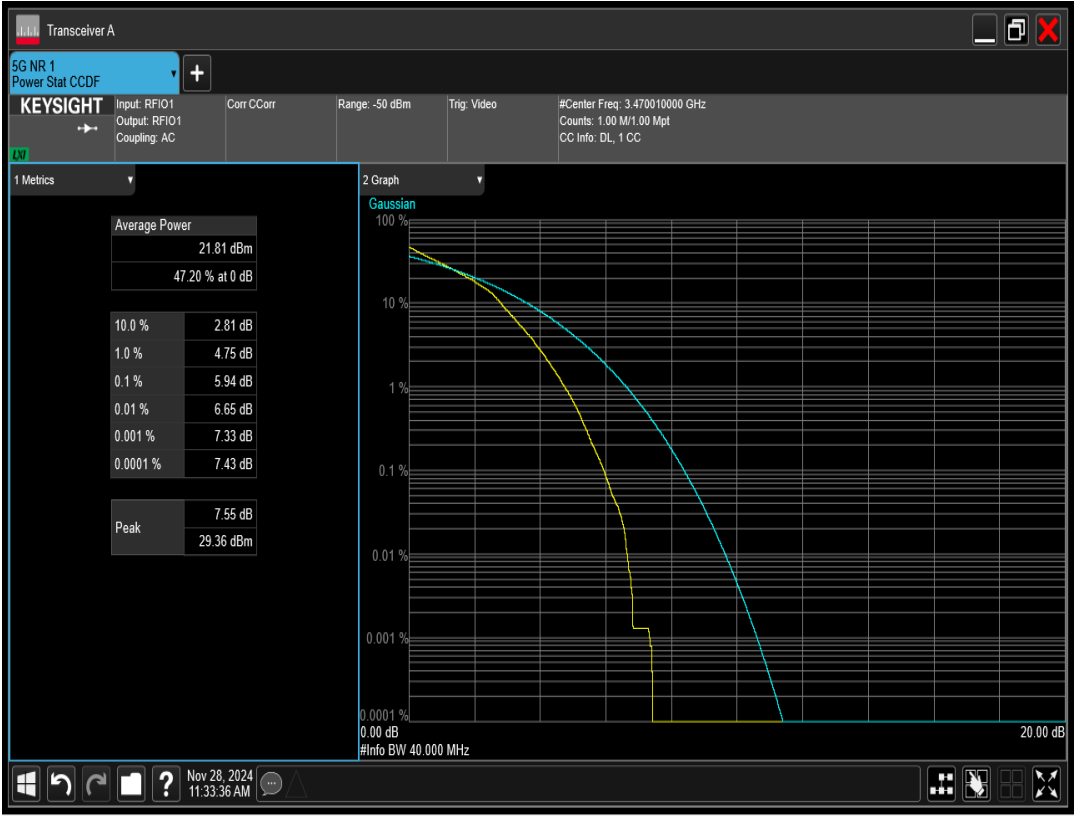
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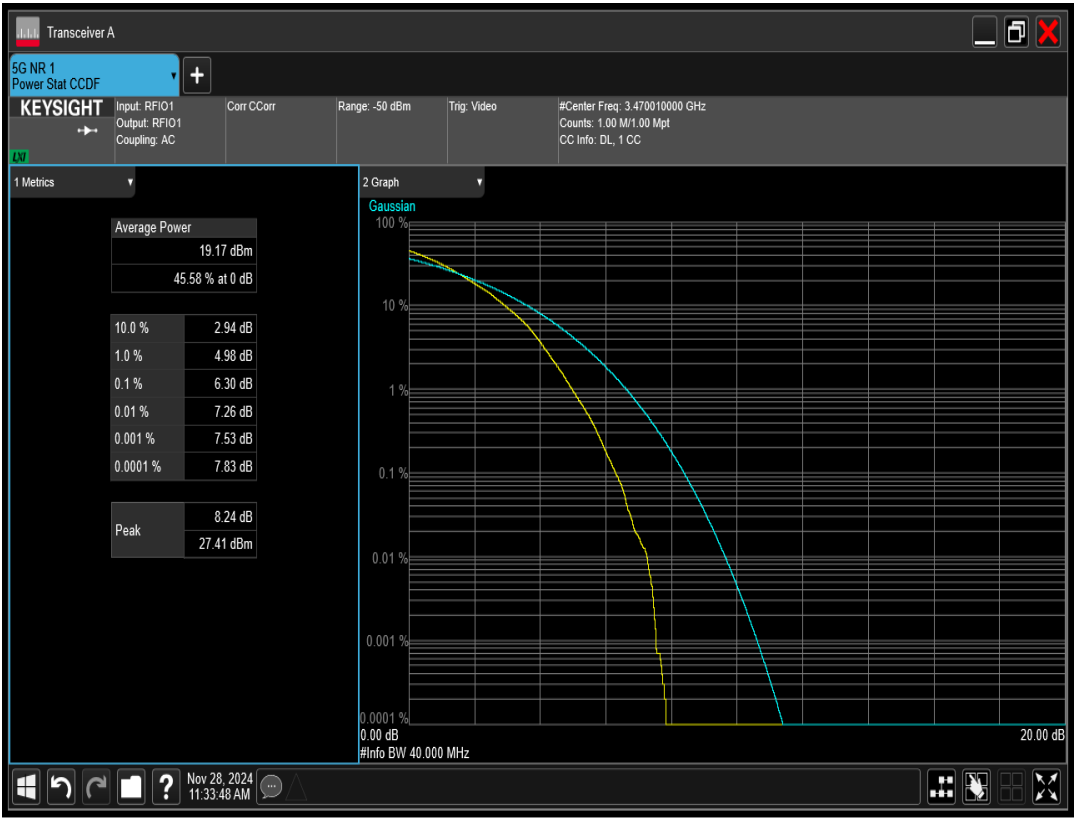


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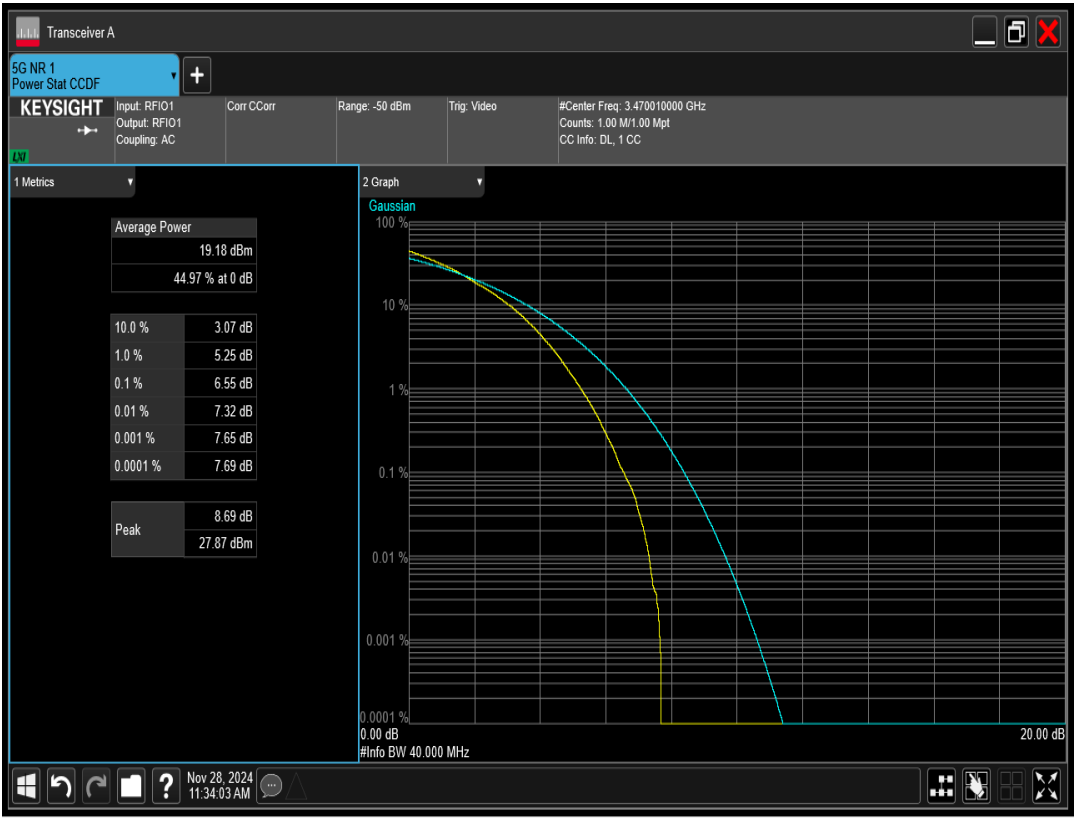


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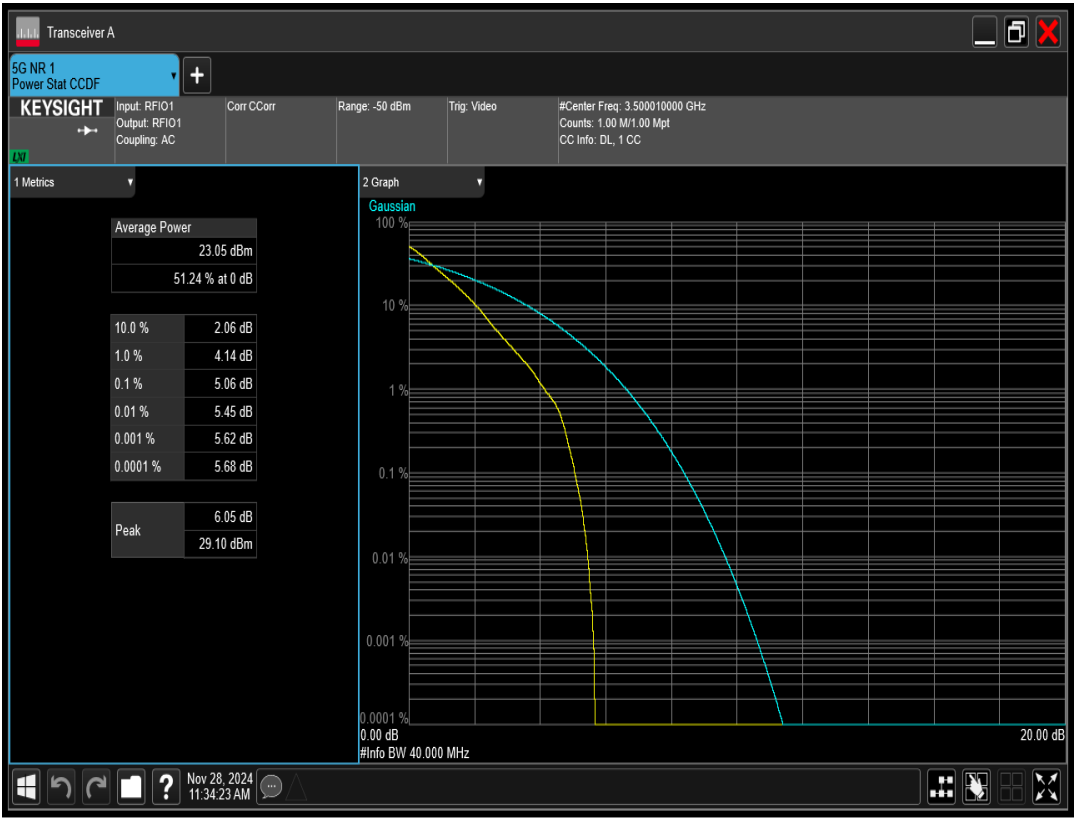




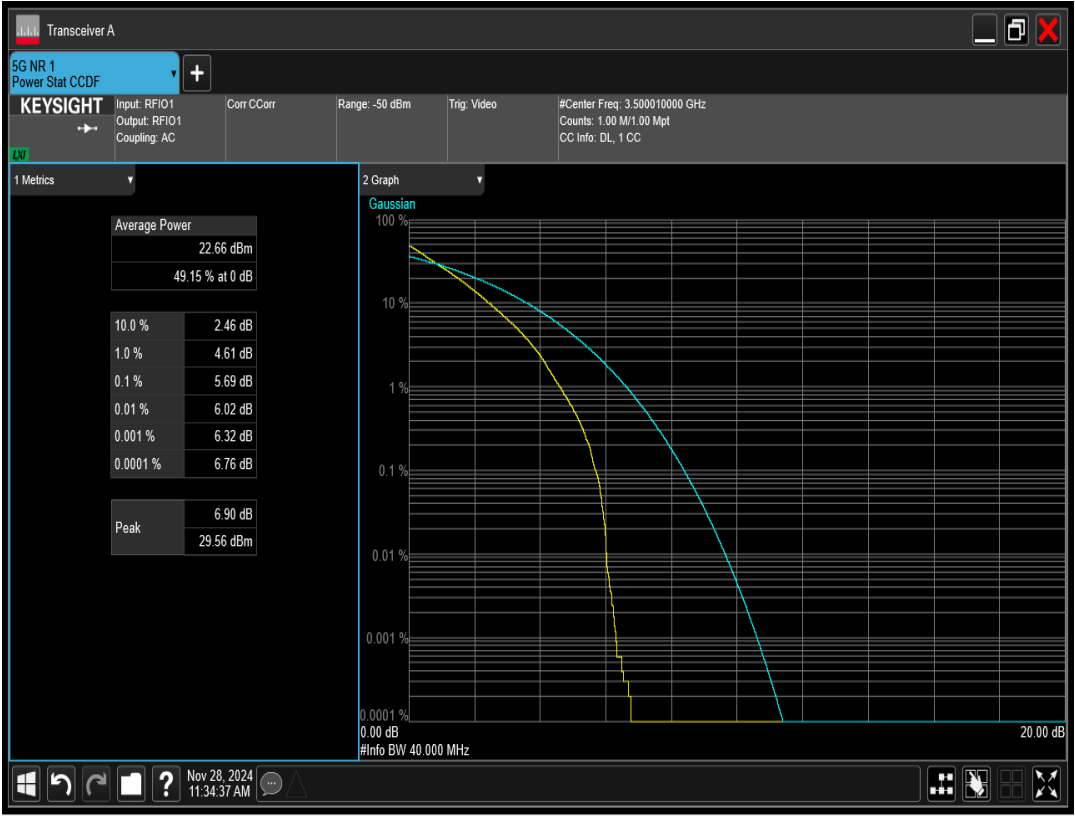
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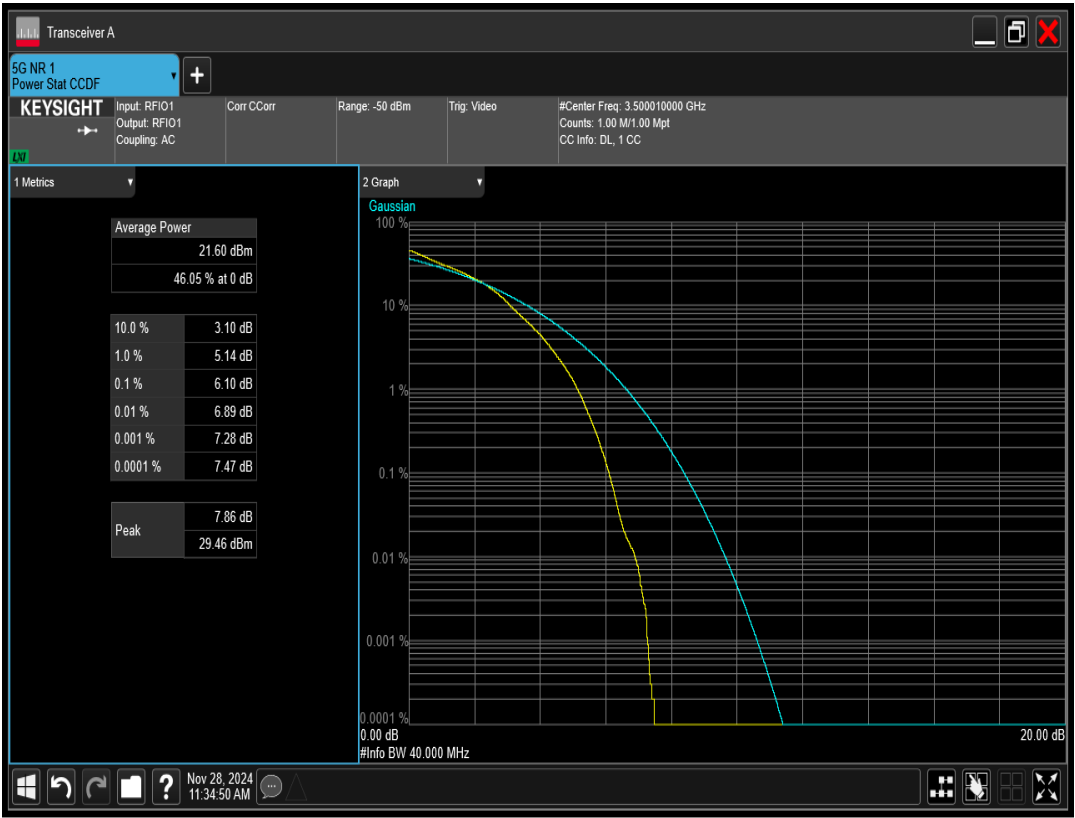
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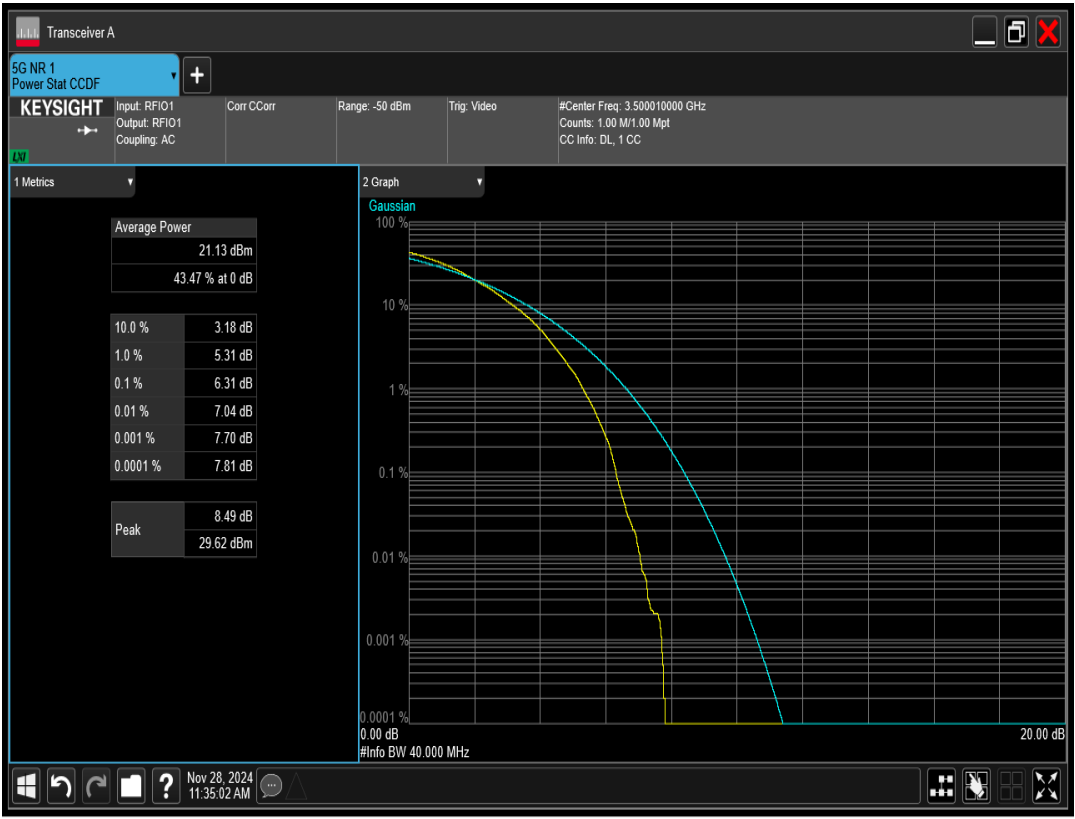
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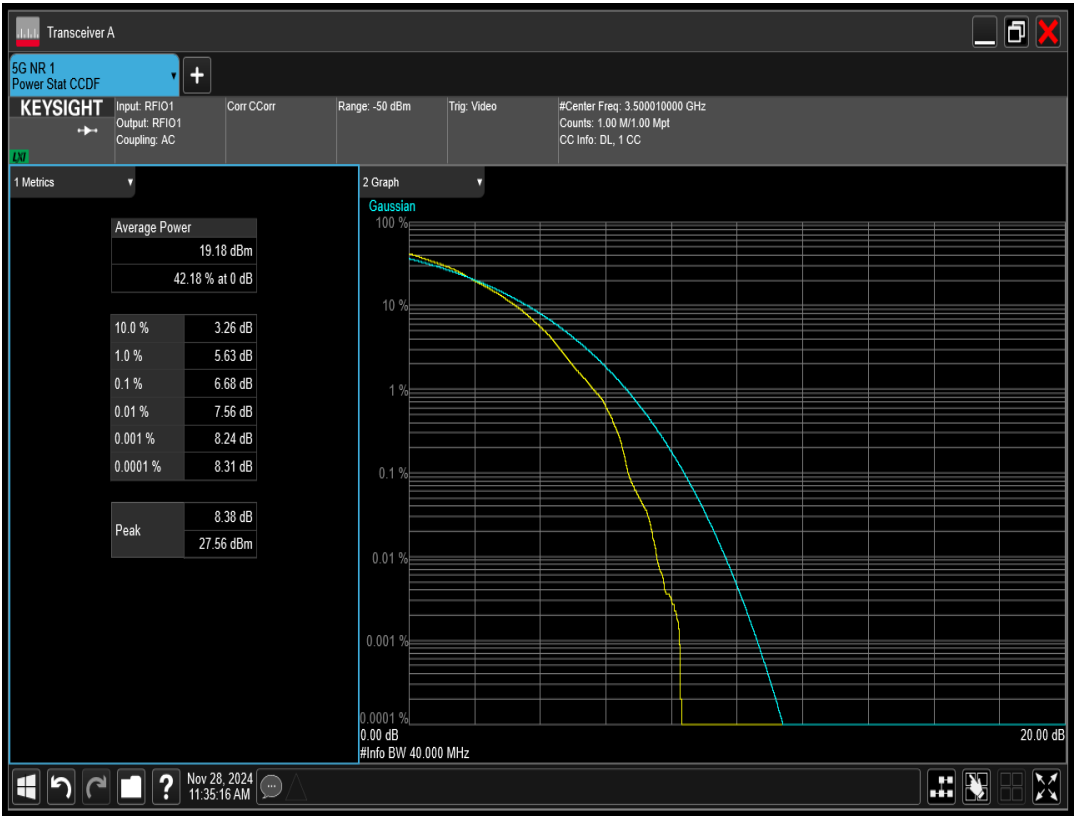
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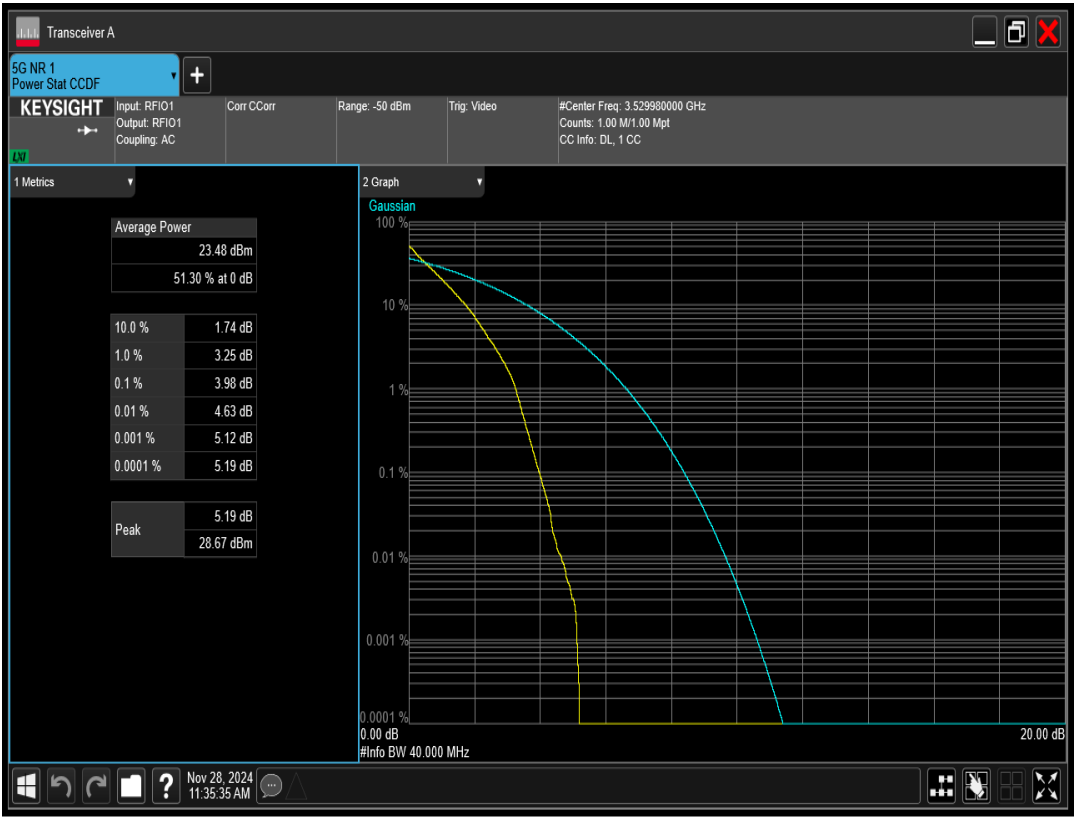
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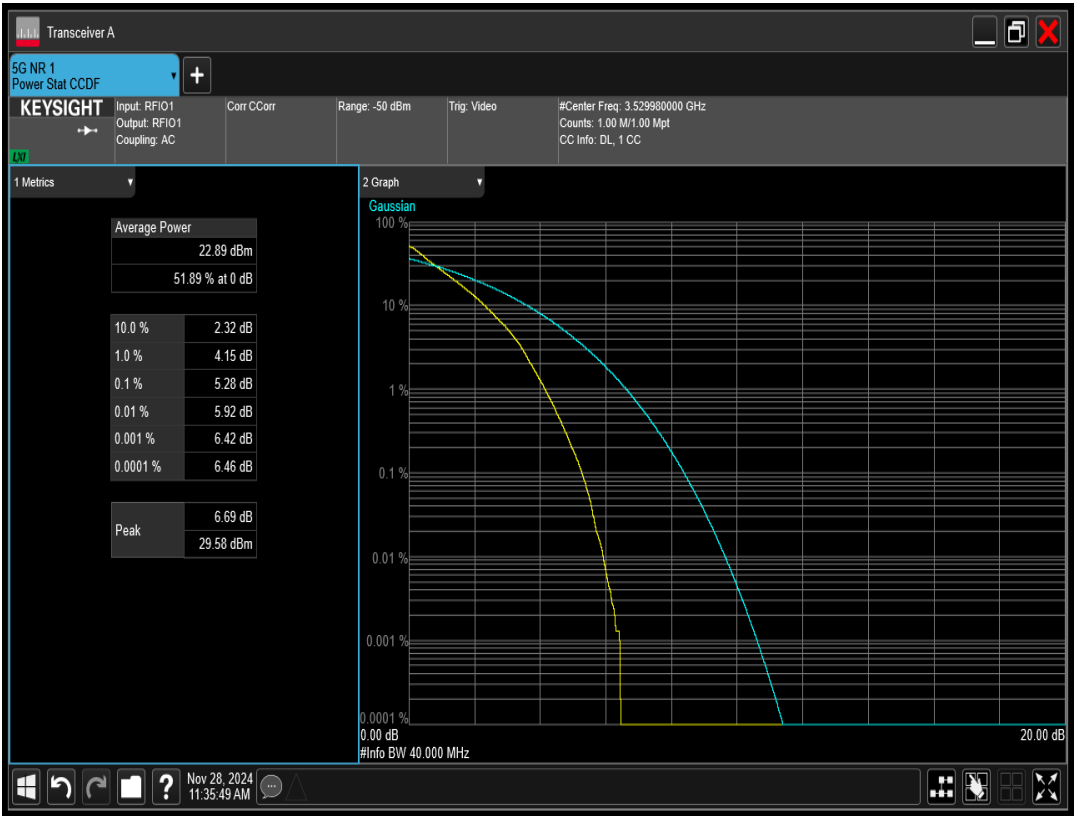
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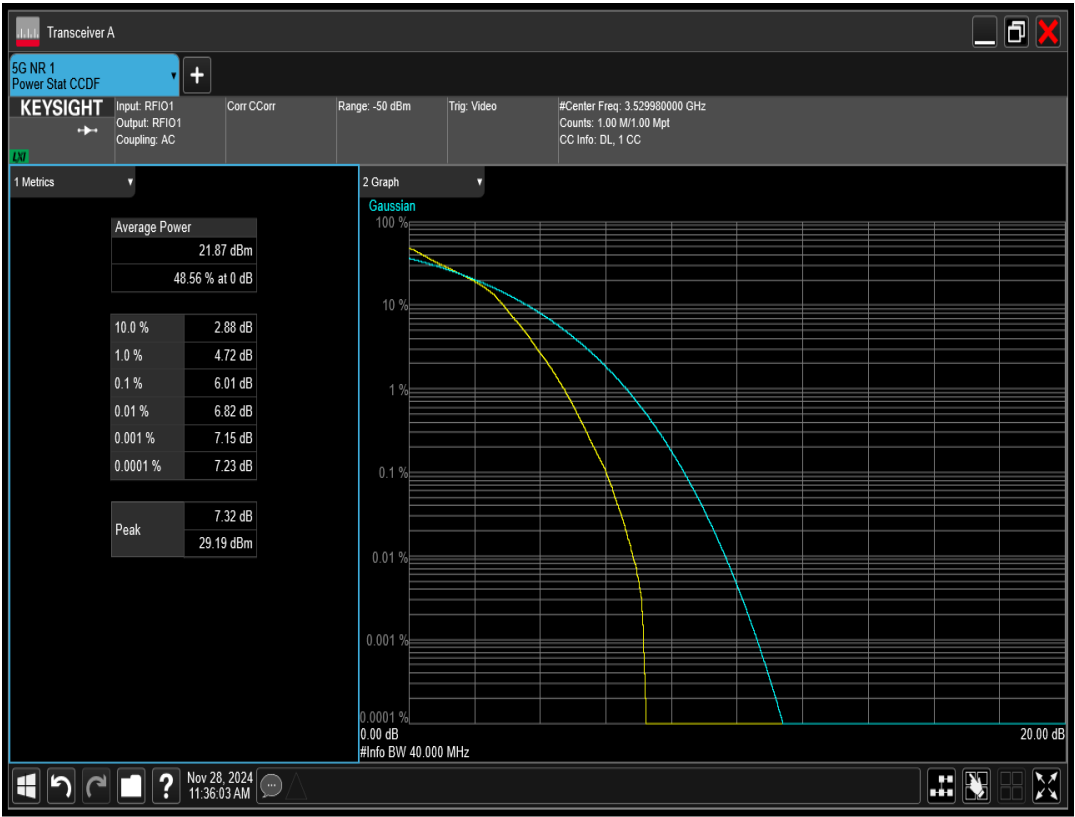
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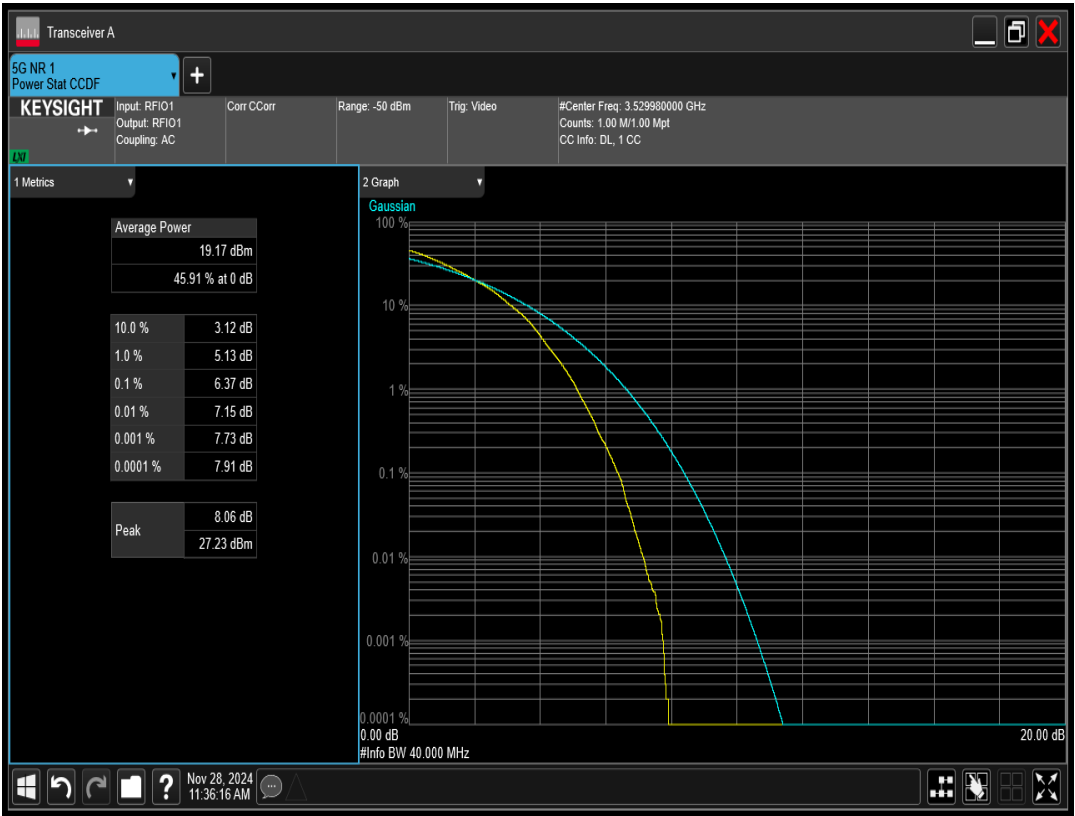
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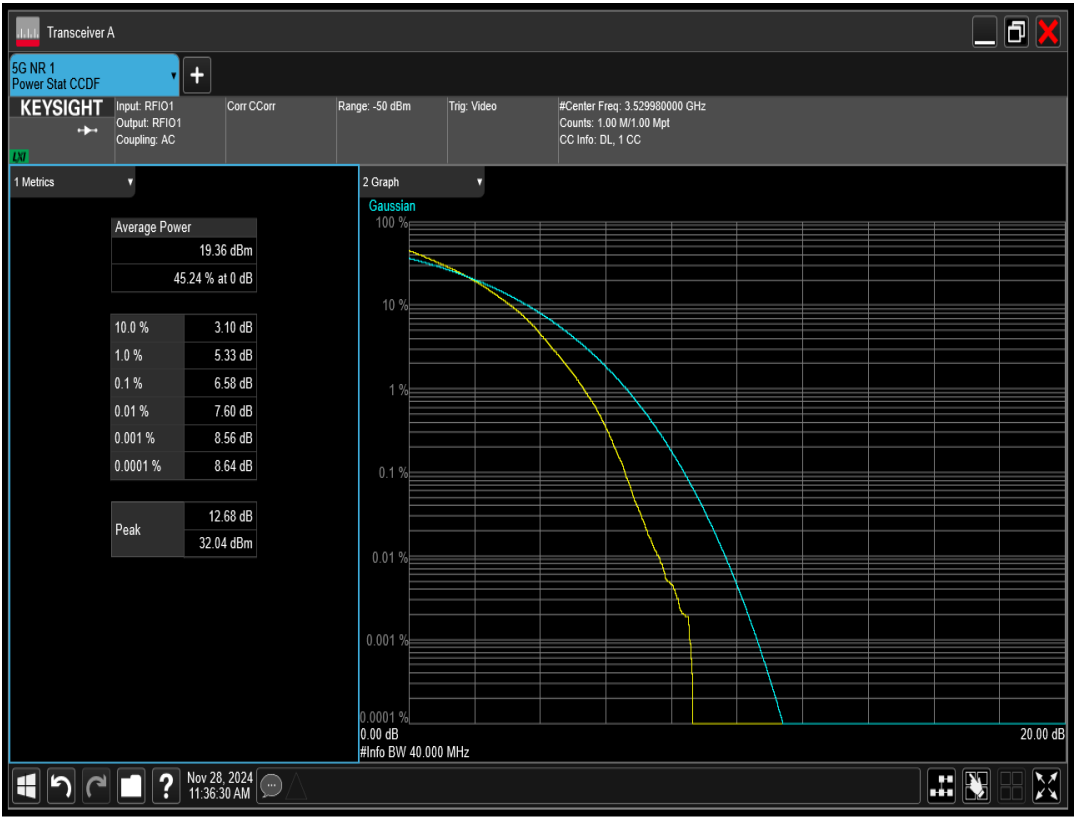
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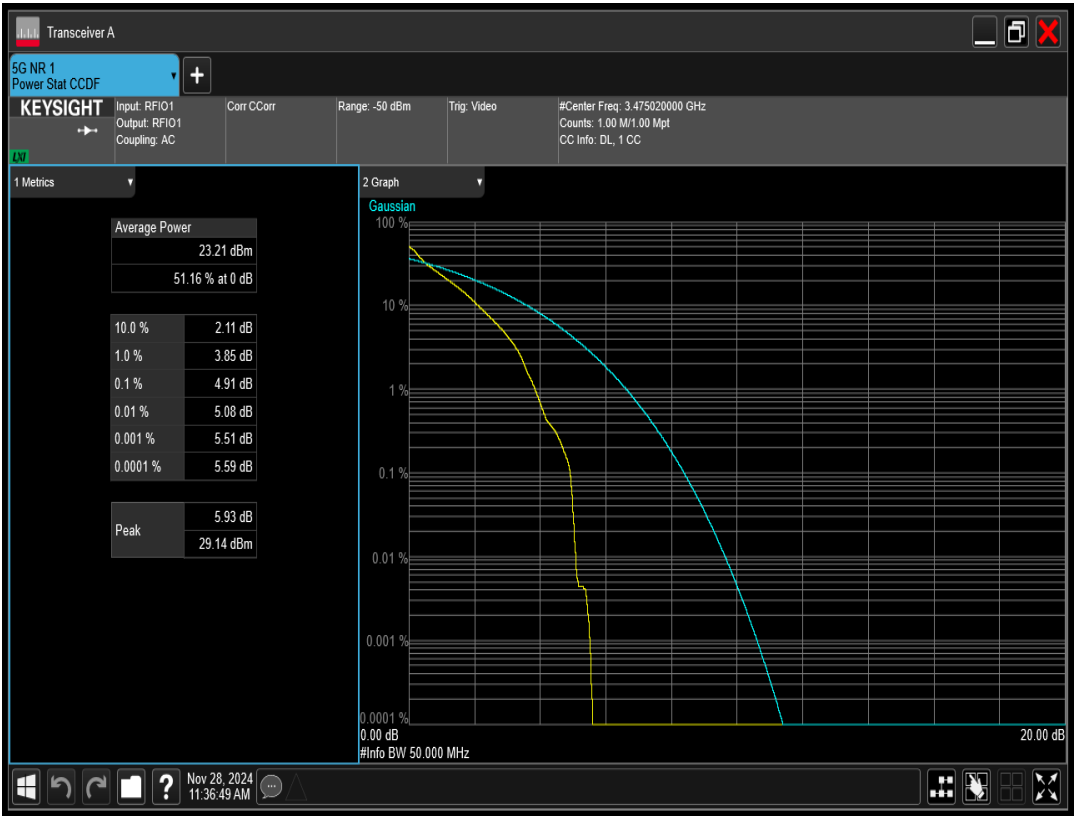
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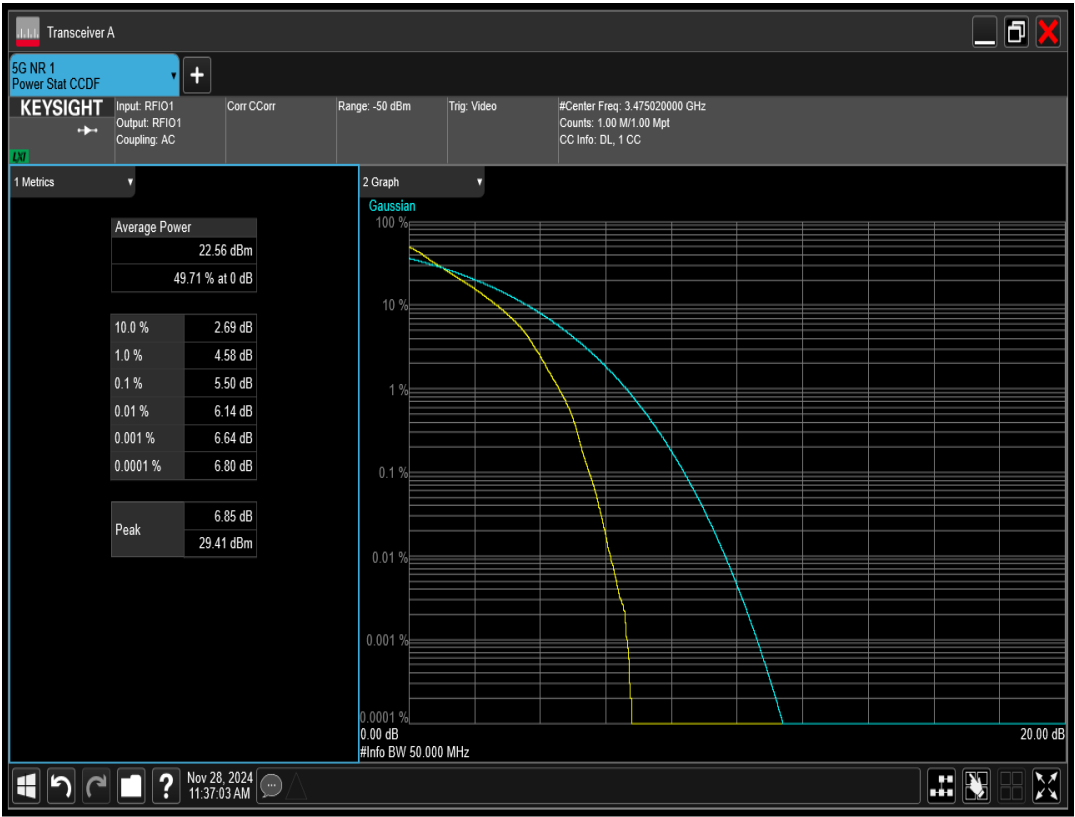
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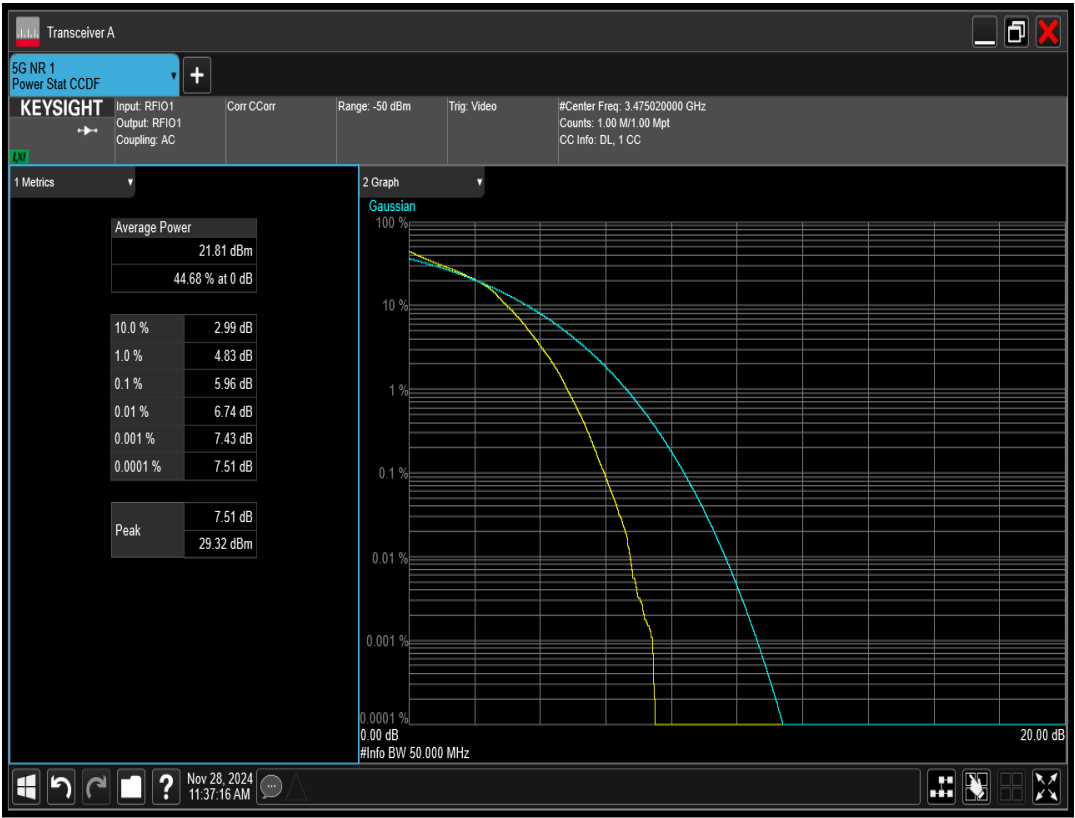
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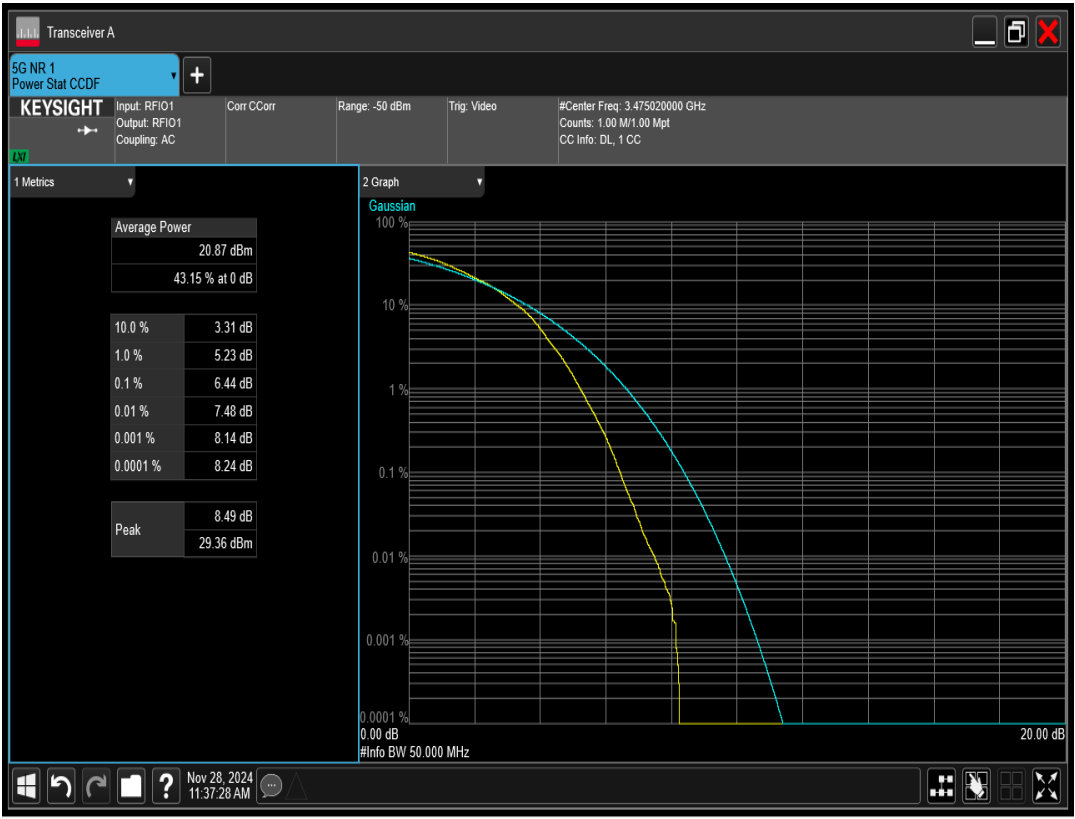
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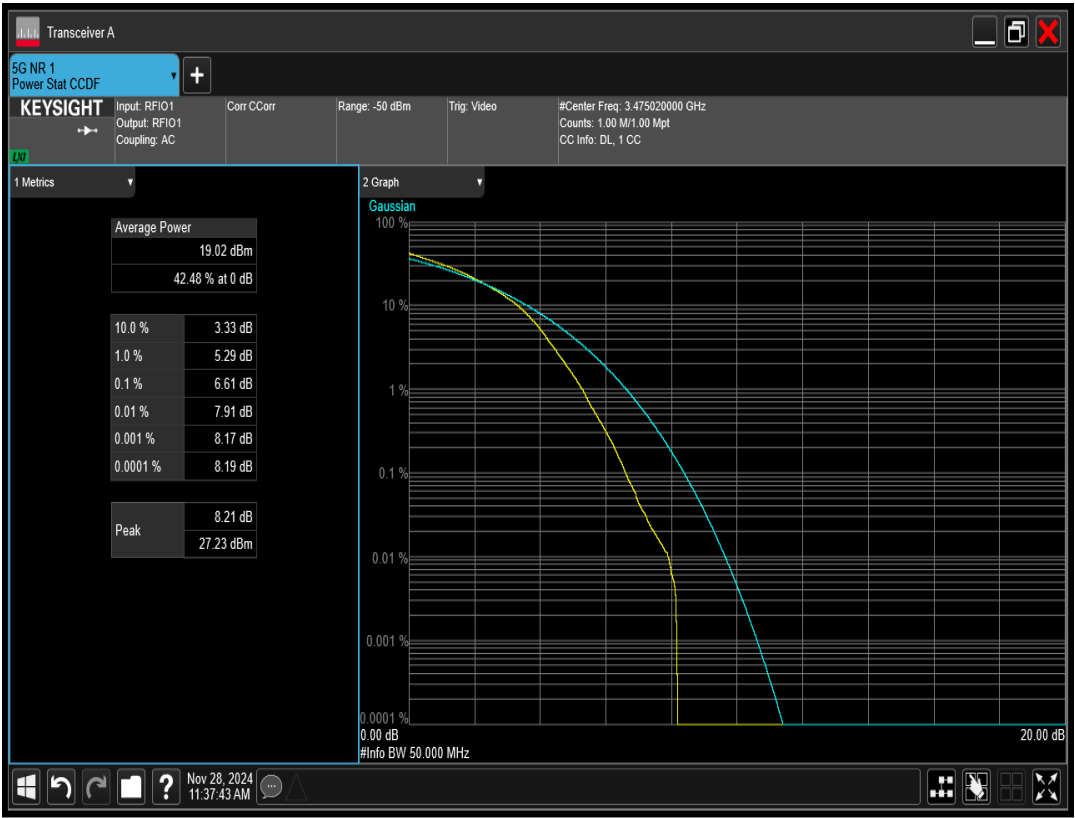


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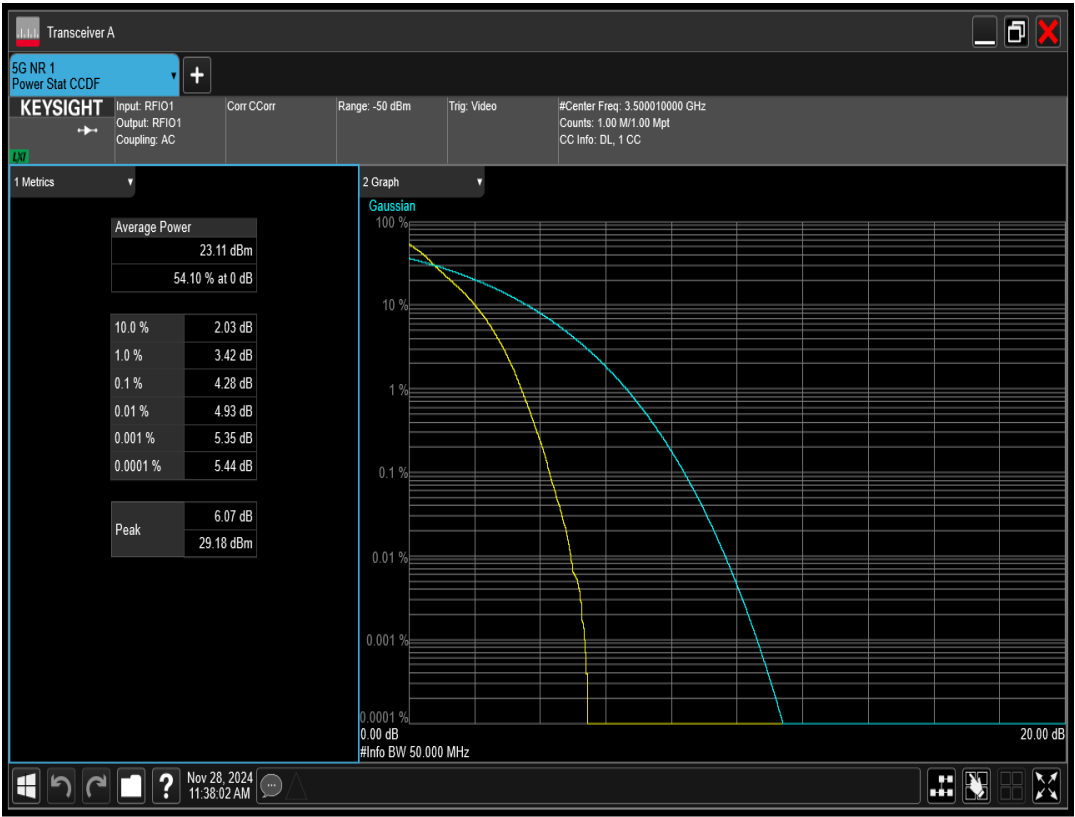


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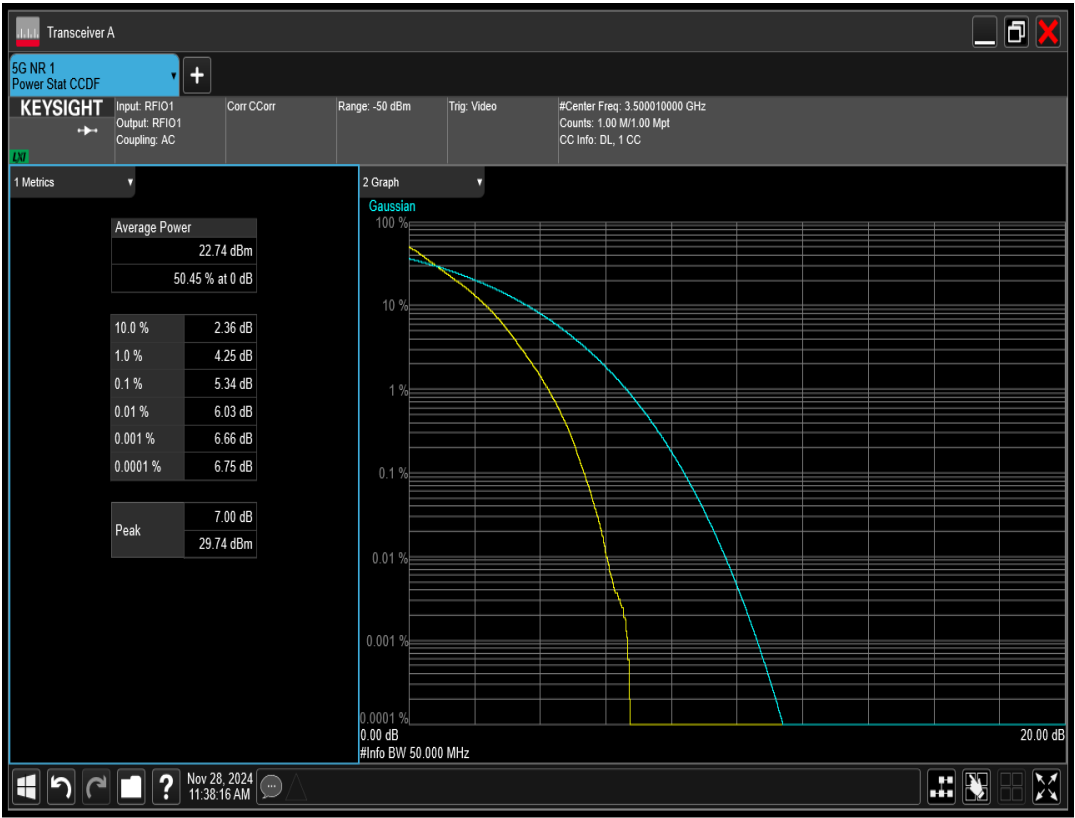




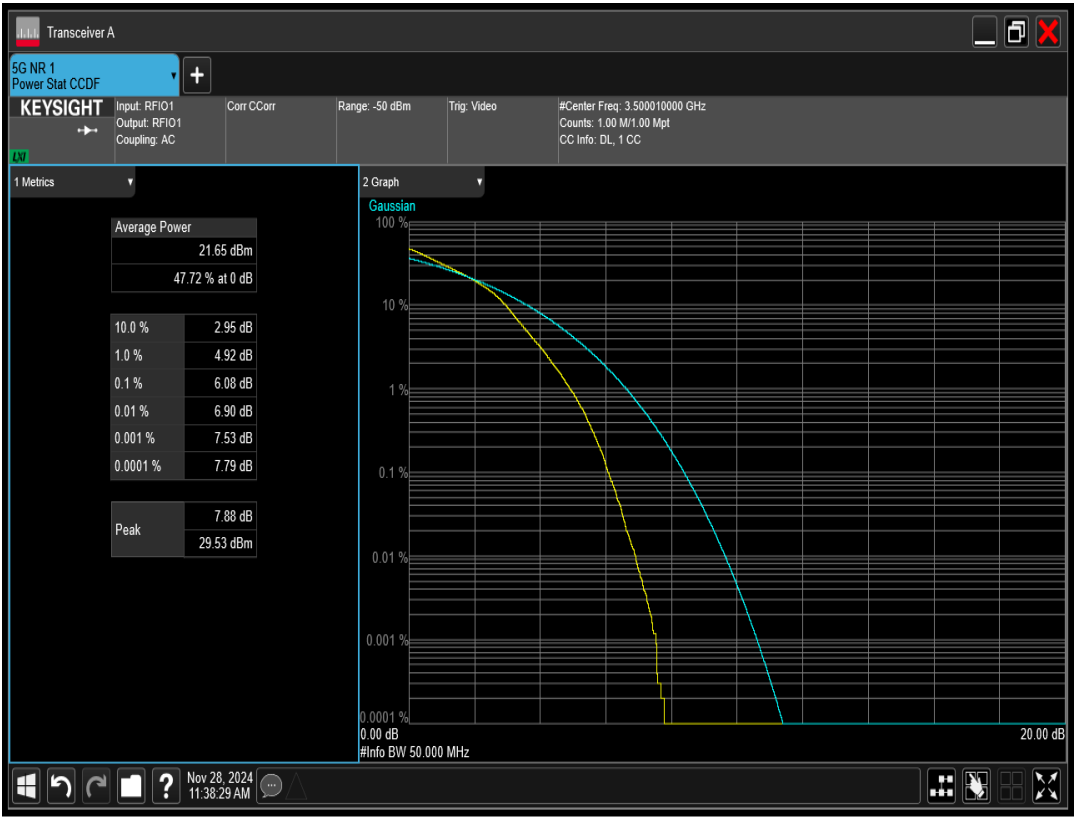
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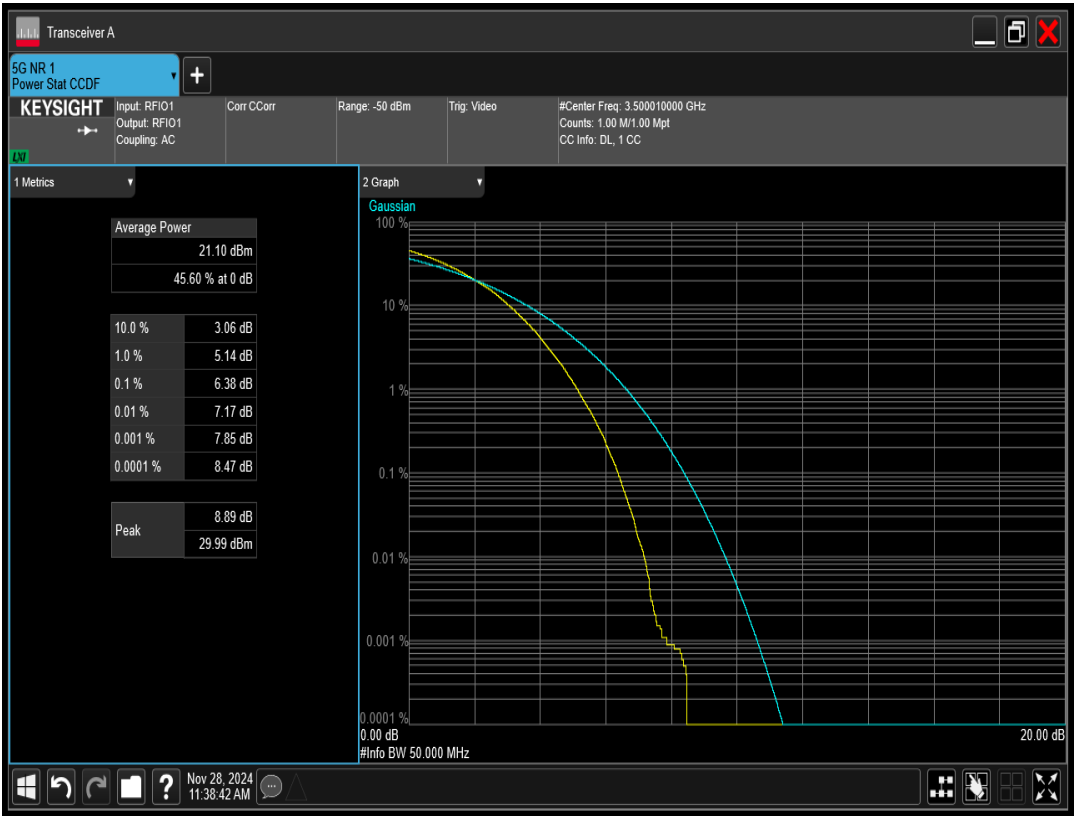
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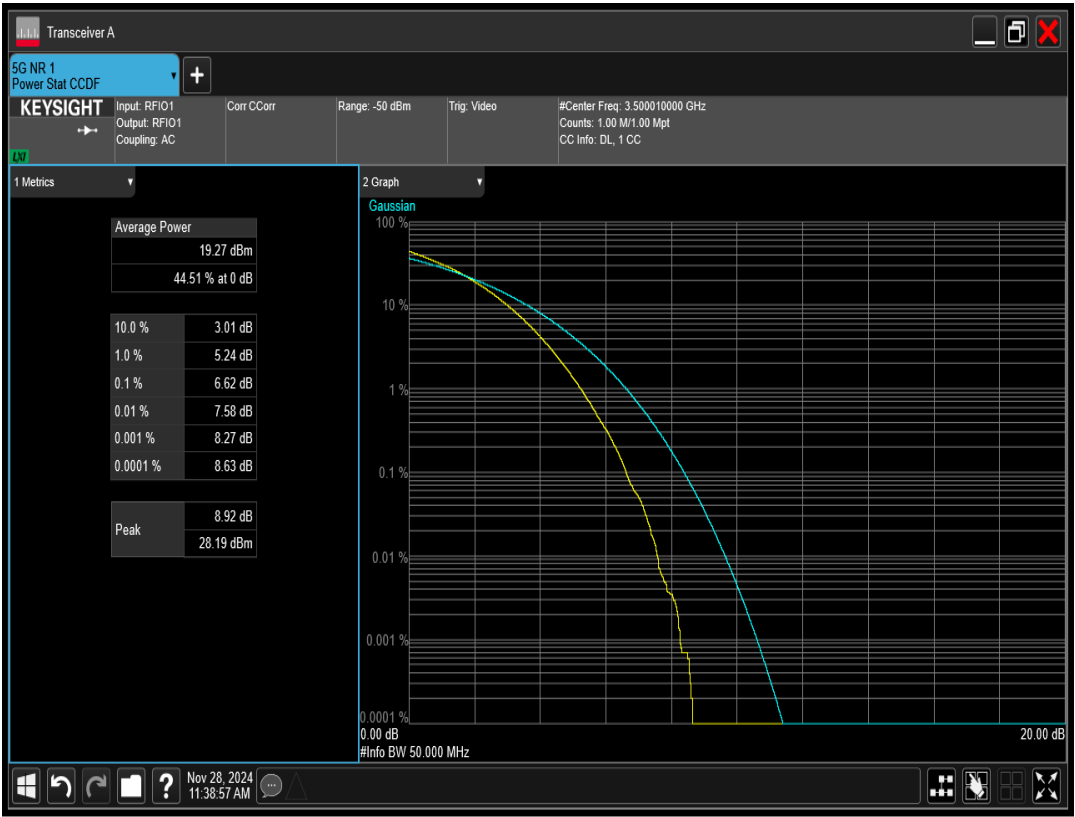
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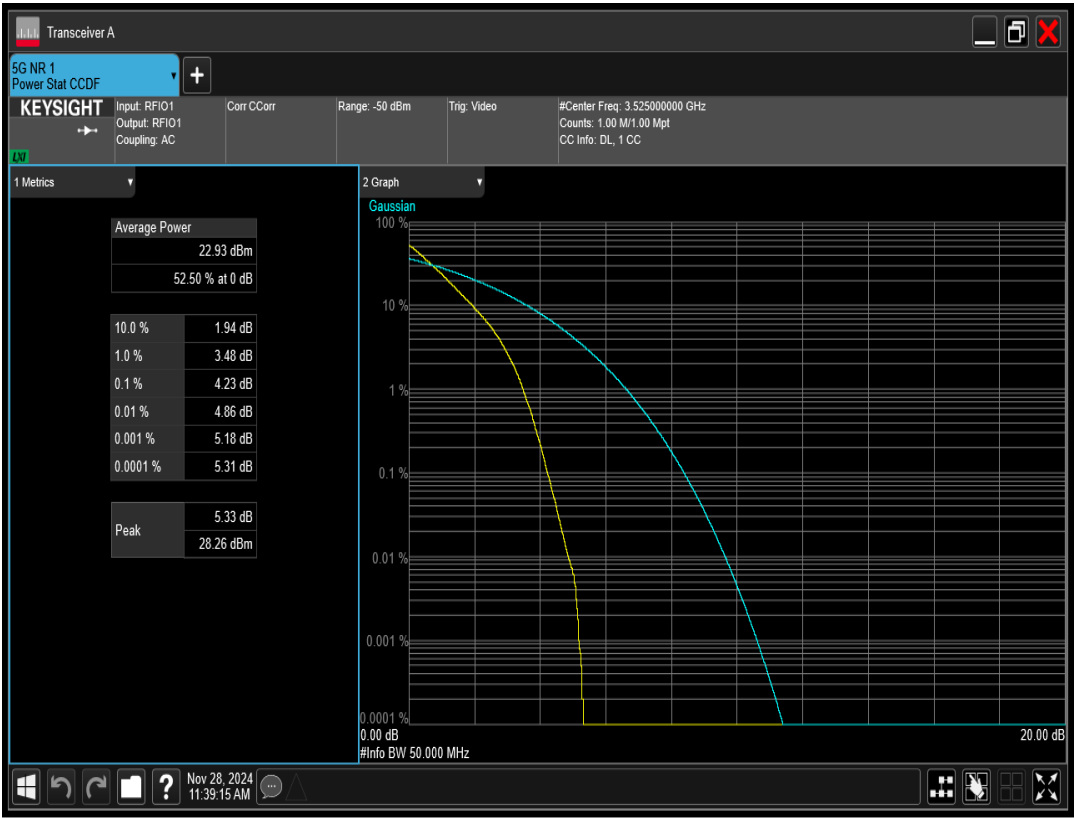
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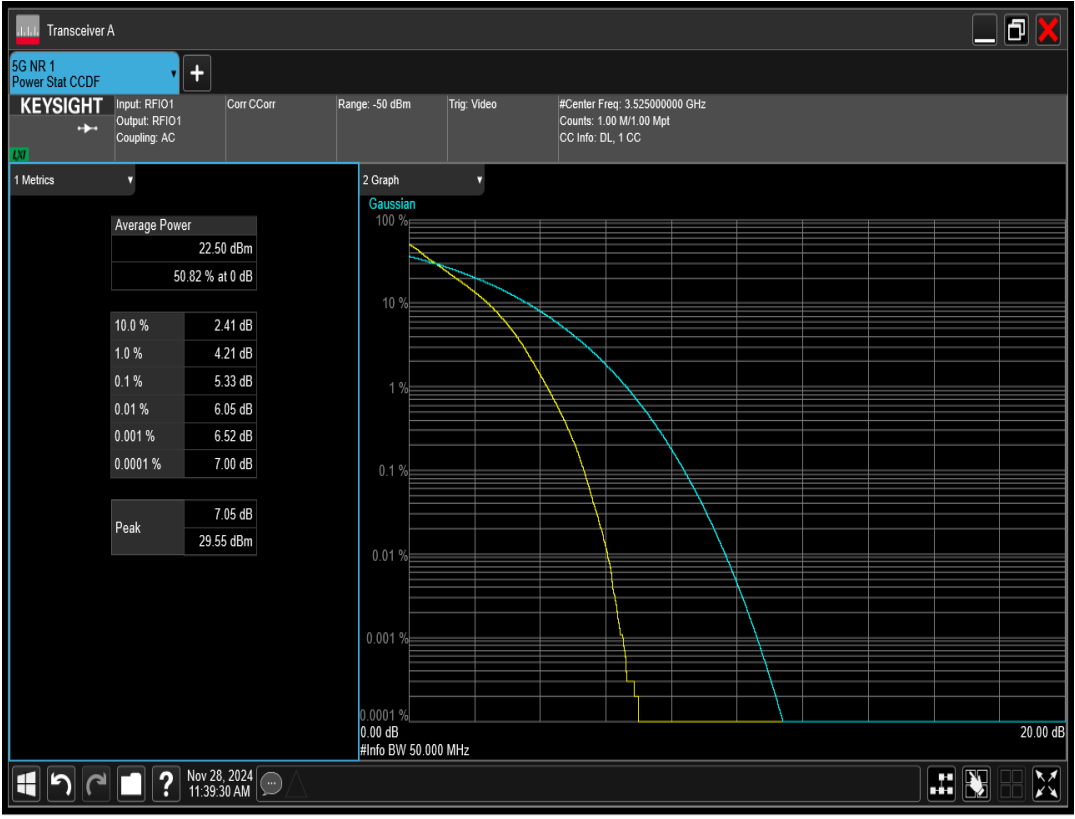
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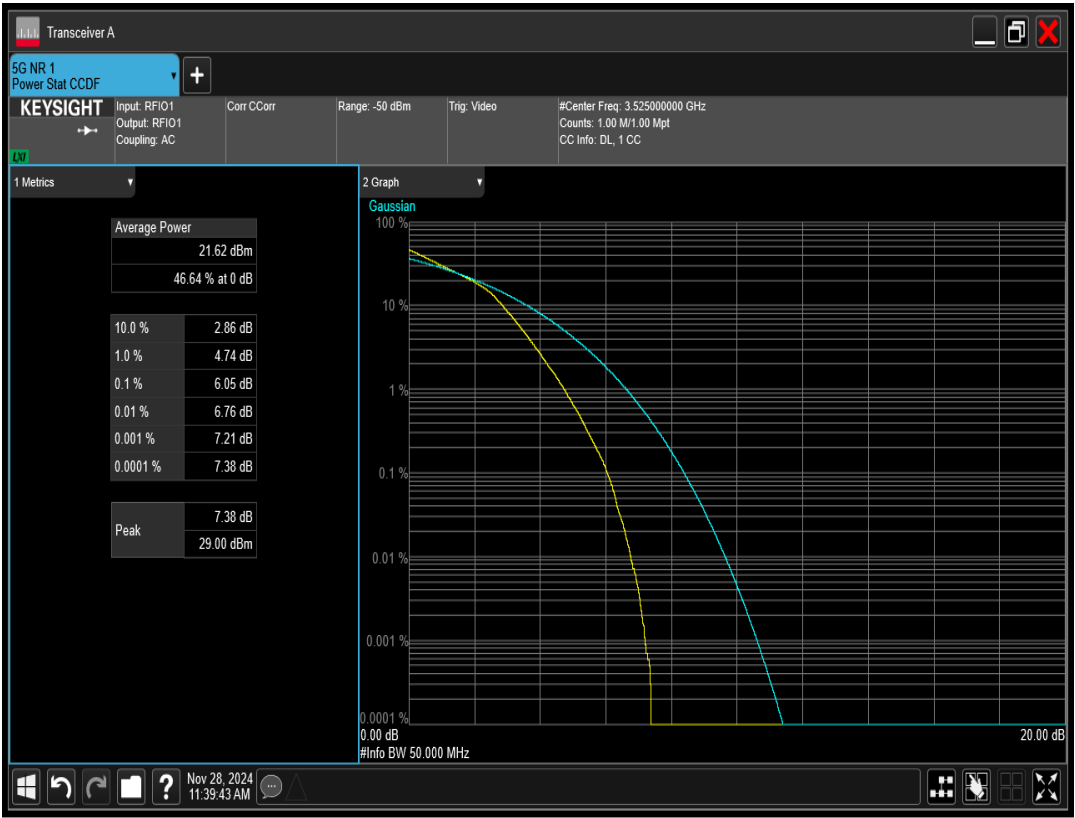
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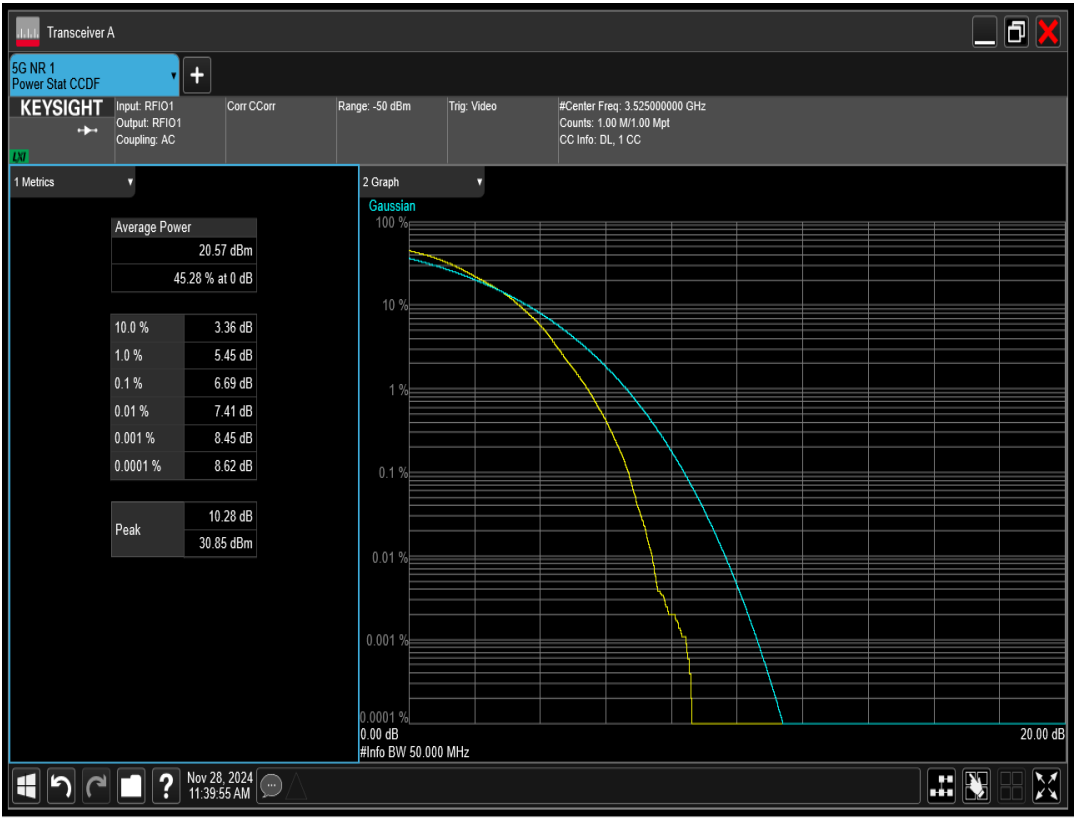
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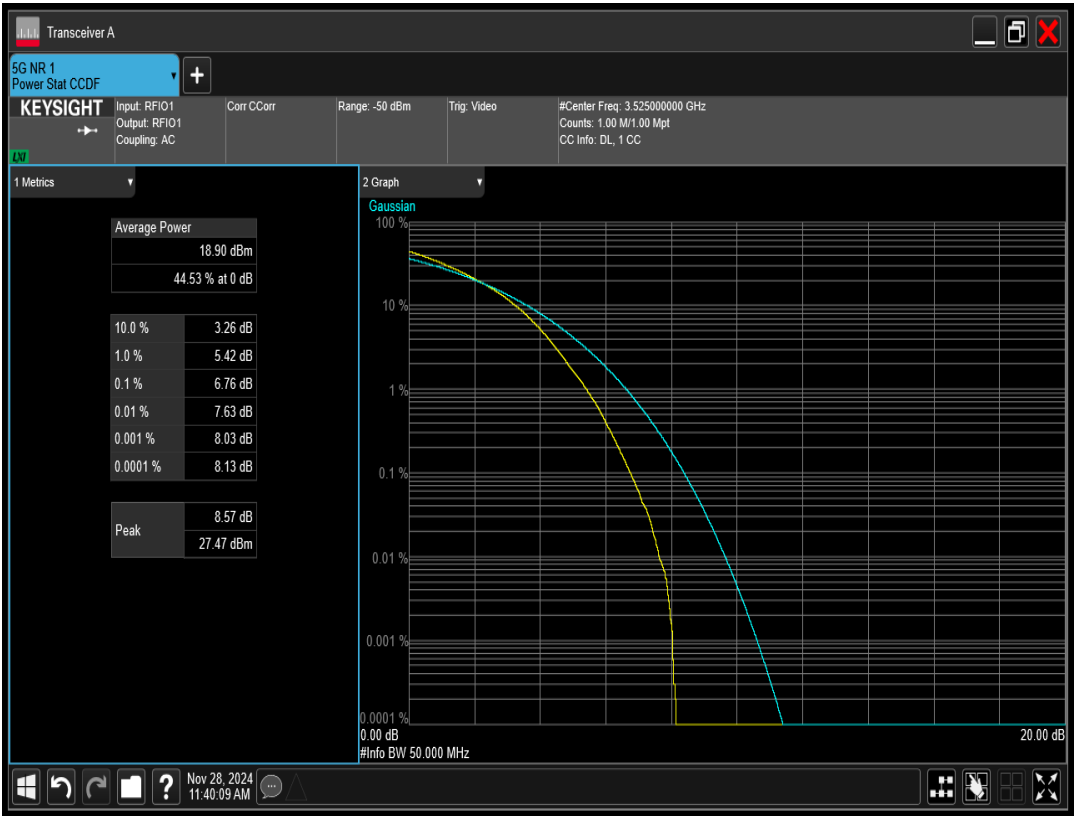
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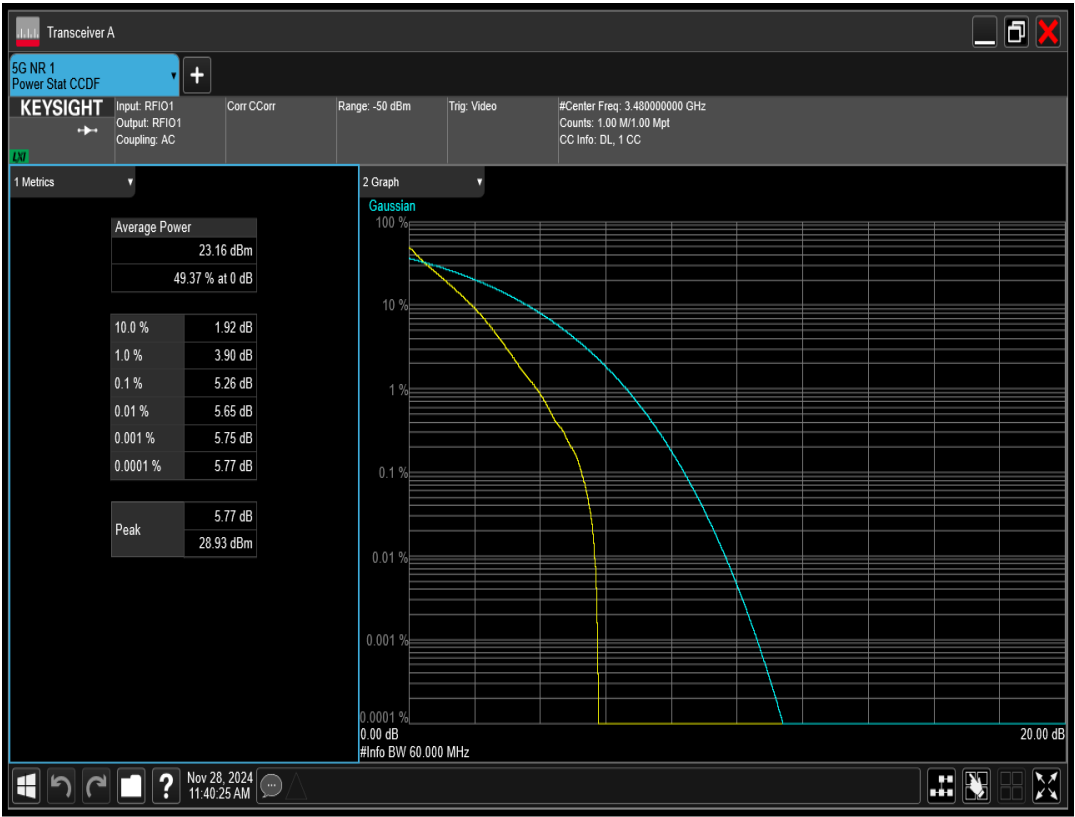
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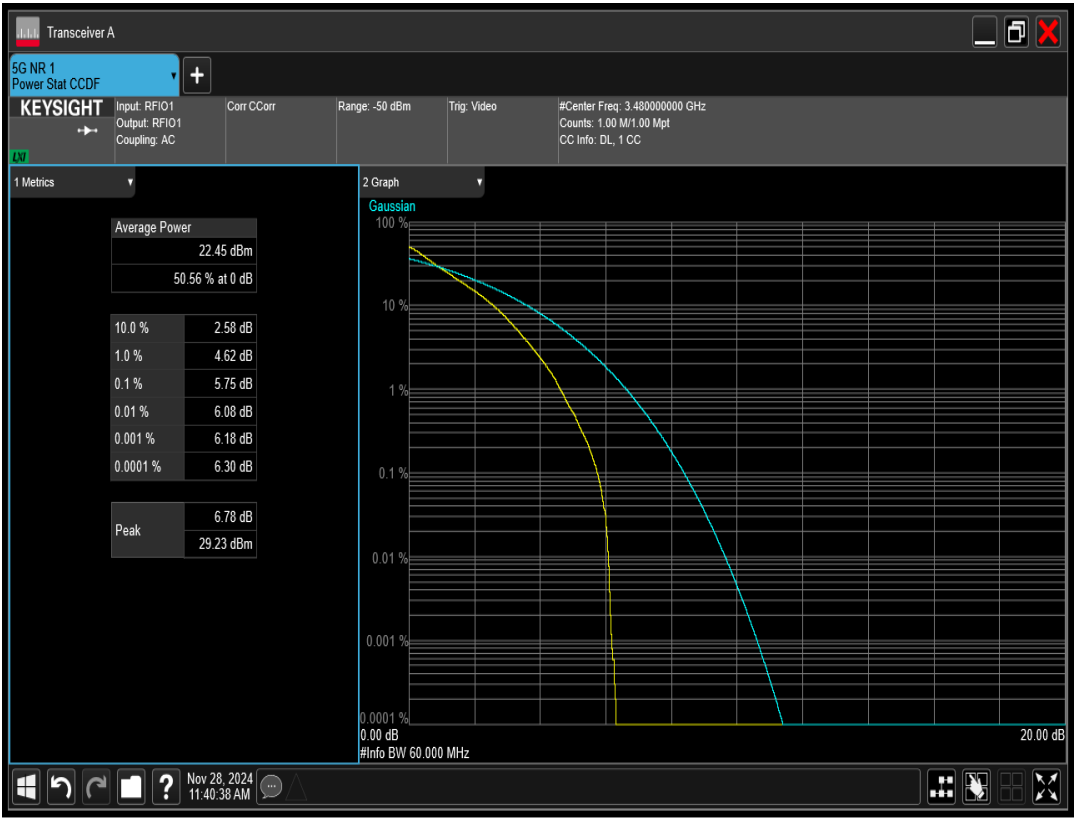
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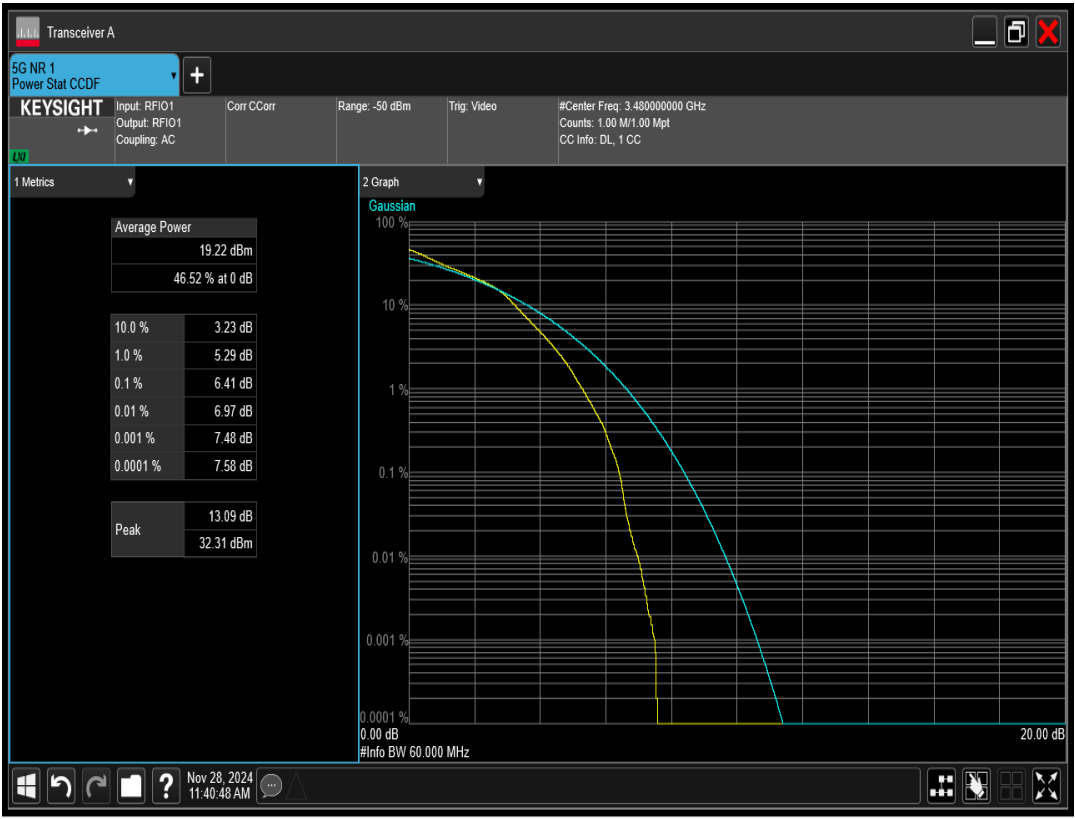
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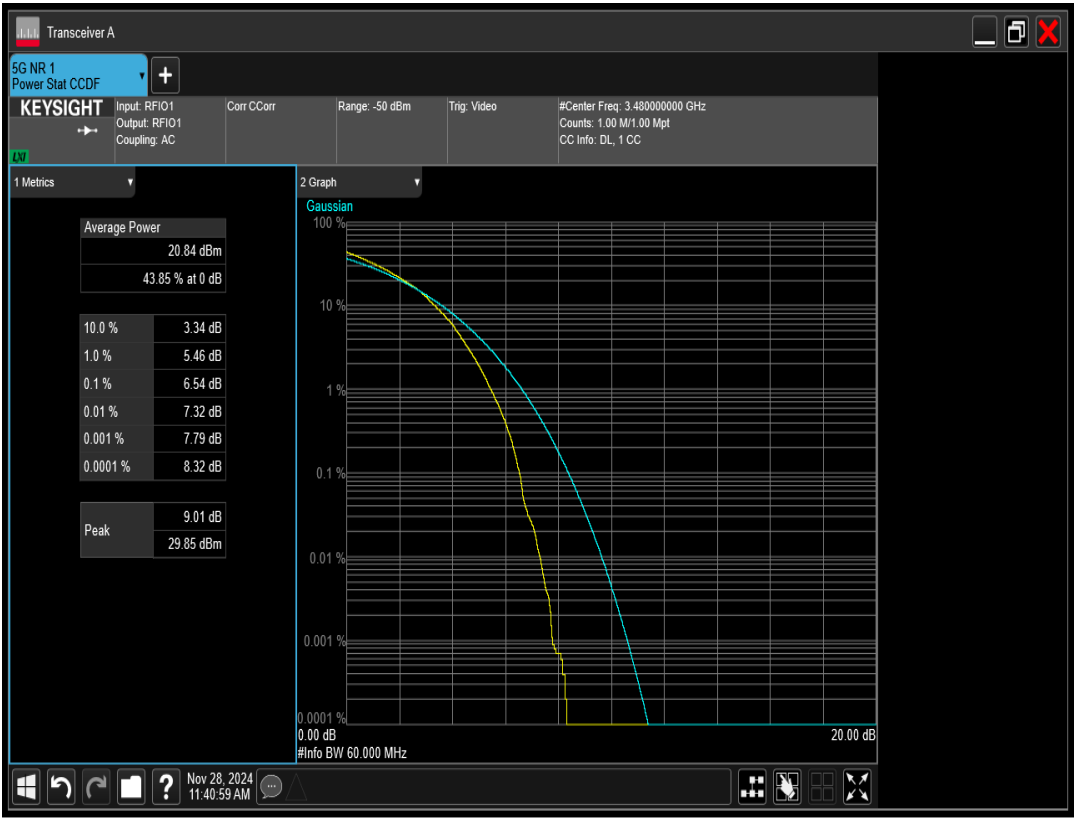
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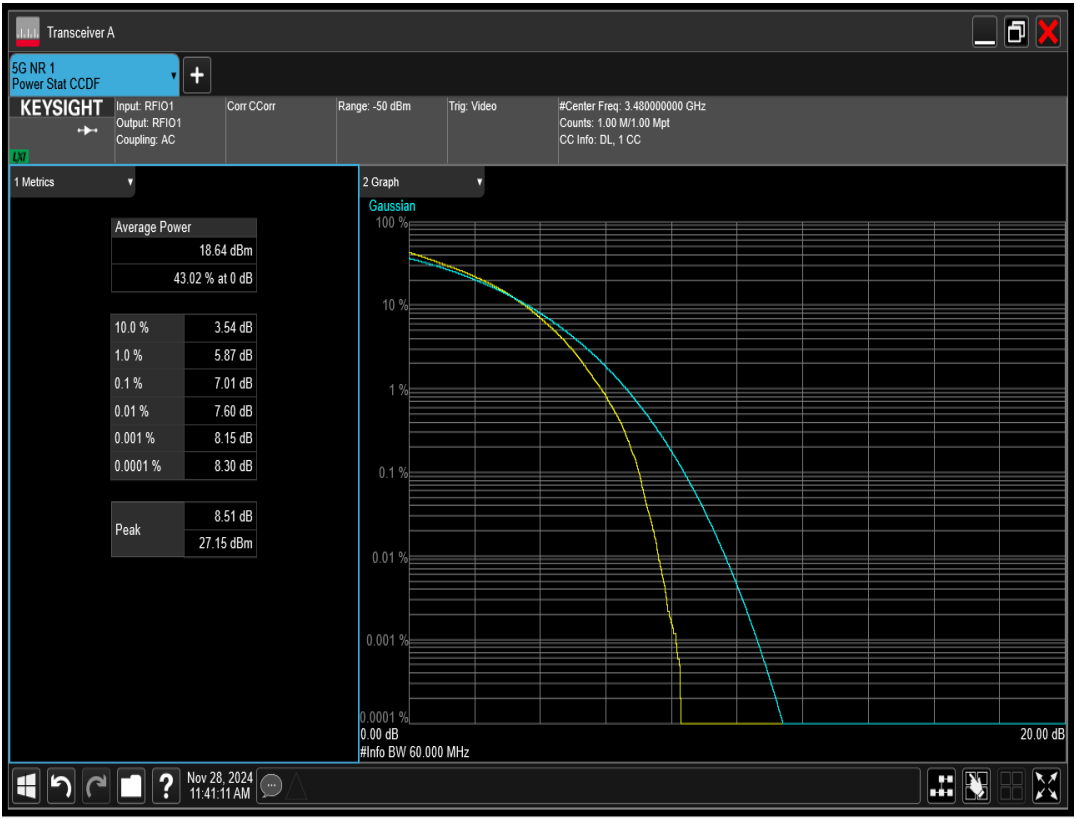
*n77(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=632000 RB=162@0*



*n77(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=632000 RB=162@0*

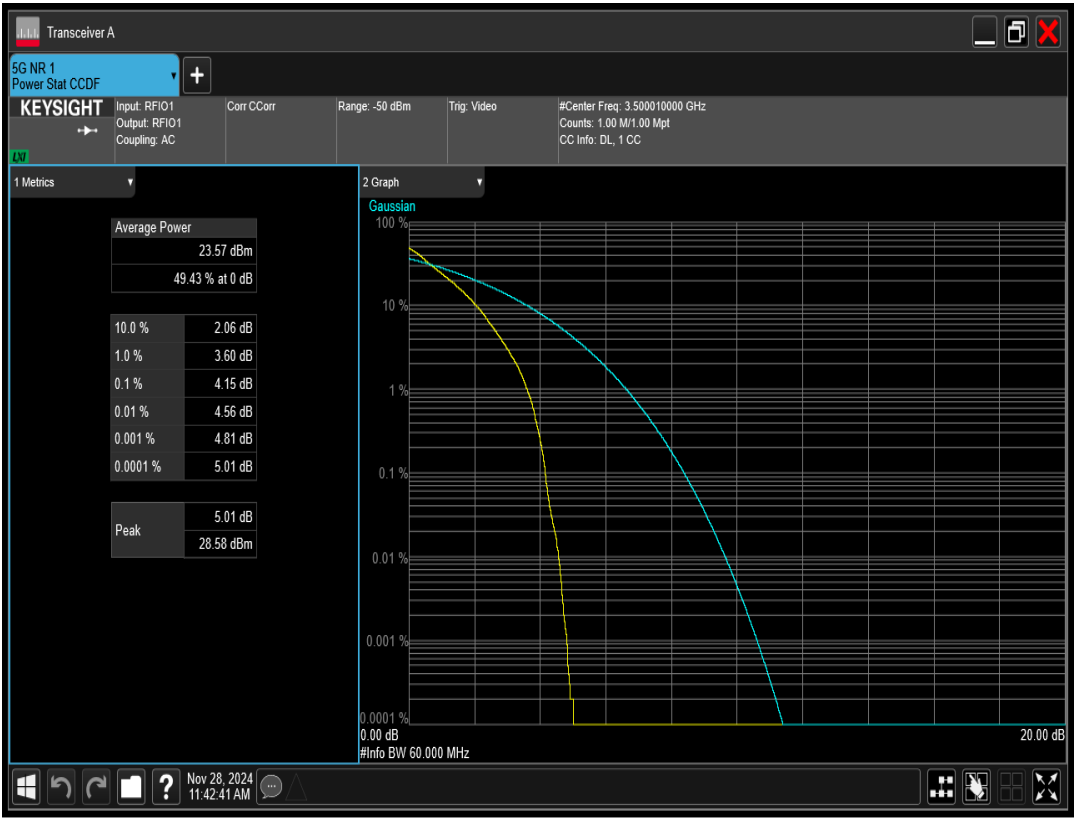


*n77(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=632000 RB=162@0*

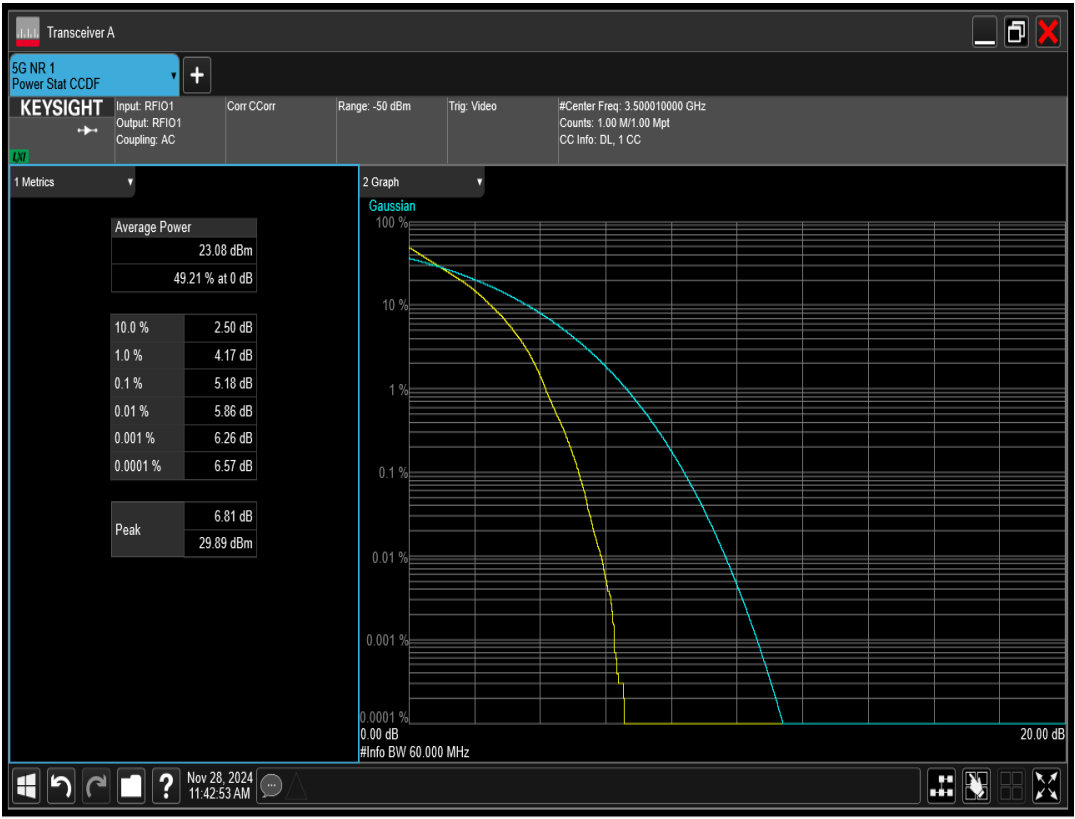


*n77(3450-3550) SCS=30kHz DFT\_BPSK BW=60MHz Channel=633334 RB=162@0*

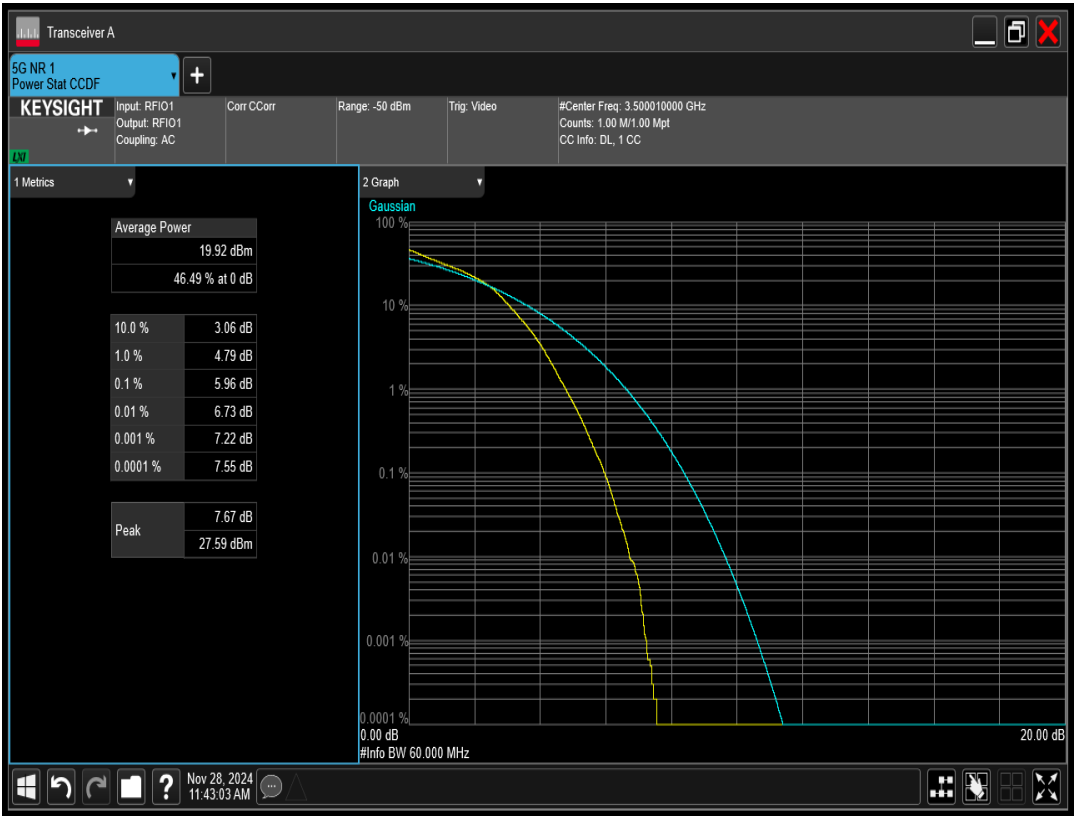




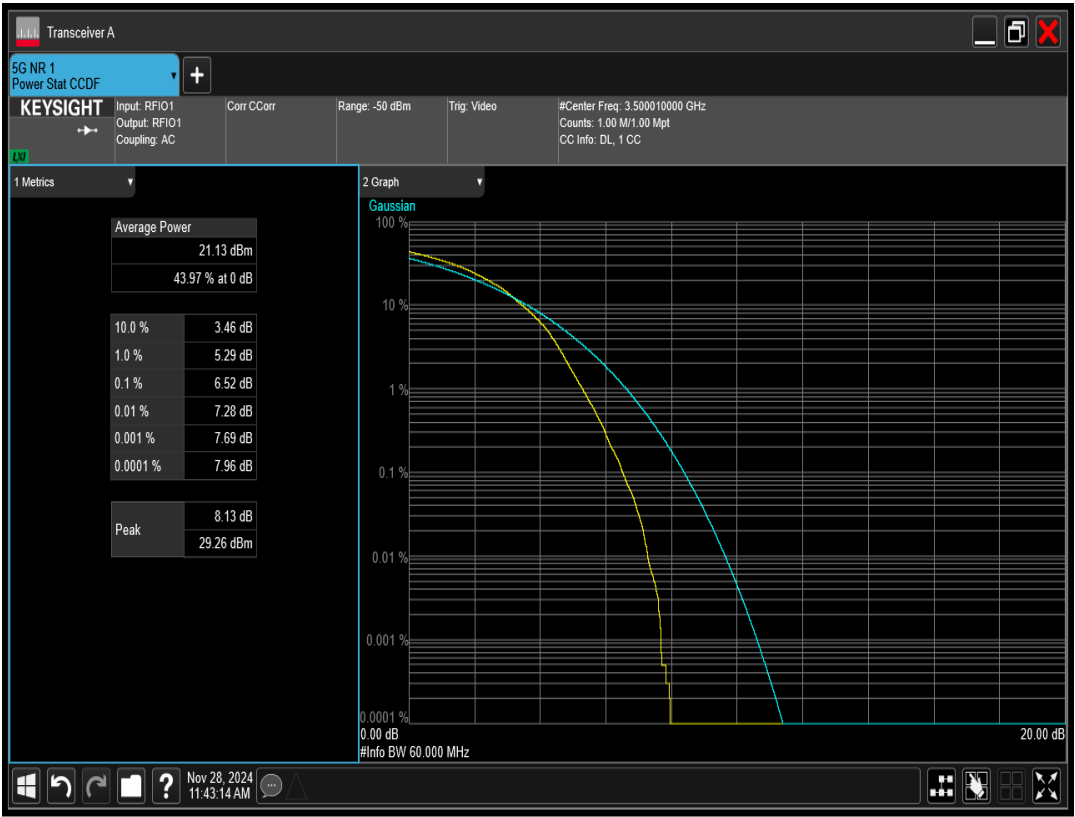
*n77(3450-3550) SCS=30kHz DFT\_QPSK BW=60MHz Channel=633334 RB=162@0*



*n77(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=633334 RB=162@0*



*n77(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=633334 RB=162@0*



*n77(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=633334 RB=162@0*