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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 |
|-------|--------------|--------------------|---------------|------------------|------------|----------------|-----------------------|------------------------|---------|
| Band5 | 15           | 5                  | 20425         | 1@0              | QPSK       | 19.67          |                       |                        |         |
| n7    | 15           | 5                  | 500500        | 1@0              | DFT_BPSK   | 20.13          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 22.91          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20525         | 8@0              | QPSK       | 19.79          |                       |                        |         |
| n7    | 15           | 5                  | 507000        | 12@6             | DFT_BPSK   | 20.21          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.01          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20525         | 8@0              | QPSK       | 19.79          |                       |                        |         |
| n7    | 15           | 5                  | 507000        | 12@6             | DFT_QPSK   | 20.22          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.02          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20625         | 1@17             | QPSK       | 19.68          |                       |                        |         |
| n7    | 15           | 5                  | 513500        | 1@24             | DFT_BPSK   | 20.27          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 22.99          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20625         | 8@17             | QPSK       | 19.65          |                       |                        |         |
| n7    | 15           | 5                  | 513500        | 12@6             | DFT_BPSK   | 20.37          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.03          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20625         | 1@17             | QPSK       | 19.67          |                       |                        |         |
| n7    | 15           | 5                  | 513500        | 1@24             | DFT_QPSK   | 20.34          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.02          | 19                    | 26                     | PASS    |
| Band5 | 15           | 5                  | 20625         | 8@17             | QPSK       | 19.66          |                       |                        |         |
| n7    | 15           | 5                  | 513500        | 12@6             | DFT_QPSK   | 20.39          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.05          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20450         | 1@0              | QPSK       | 20.03          |                       |                        |         |
| n7    | 15           | 20                 | 502000        | 1@0              | DFT_BPSK   | 20.06          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.05          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20525         | 12@0             | QPSK       | 19.76          |                       |                        |         |
| n7    | 15           | 20                 | 507000        | 50@25            | DFT_BPSK   | 20.15          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 22.96          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20525         | 12@0             | QPSK       | 19.68          |                       |                        |         |
| n7    | 15           | 20                 | 507000        | 50@25            | DFT_QPSK   | 20.16          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 22.93          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20600         | 1@38             | QPSK       | 20.09          |                       |                        |         |
| n7    | 15           | 20                 | 512000        | 1@105            | DFT_BPSK   | 20.16          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.13          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20600         | 12@38            | QPSK       | 19.67          |                       |                        |         |
| n7    | 15           | 20                 | 512000        | 50@25            | DFT_BPSK   | 20.42          |                       |                        |         |
| Sum   | 15           |                    |               |                  |            | 23.07          | 19                    | 26                     | PASS    |
| Band5 | 15           | 10                 | 20600         | 1@38             | QPSK       | 20.16          |                       |                        |         |
| n7    | 15           | 20                 | 512000        | 1@105            | DFT_QPSK   | 20.34          |                       |                        |         |

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|       |    |    |        |       |          |       |    |    |      |
|-------|----|----|--------|-------|----------|-------|----|----|------|
| Sum   | 15 |    |        |       |          | 23.26 | 19 | 26 | PASS |
| Band5 | 15 | 10 | 20600  | 12@38 | QPSK     | 19.69 |    |    |      |
| n7    | 15 | 20 | 512000 | 50@25 | DFT_QPSK | 20.40 |    |    |      |
| Sum   | 15 |    |        |       |          | 23.06 | 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 |
|------|--------------|--------------------|---------------|------------------|------------|------------|-----------------|-----------------------|------------------------|---------|
| n7   | 15           | 5                  | 500500        | 12@6             | DFT_BPSK   | -1.68      | -0.00067        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 500500        | 1@1              | DFT_BPSK   | -2.74      | -0.00109        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 500500        | 1@23             | DFT_BPSK   | -3.45      | -0.00138        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 500500        | 12@6             | DFT_QPSK   | -3.53      | -0.00141        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 500500        | 1@1              | DFT_QPSK   | -2.49      | -0.00100        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 500500        | 1@23             | DFT_QPSK   | -2.44      | -0.00098        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 12@6             | DFT_BPSK   | -4.59      | -0.00181        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 1@1              | DFT_BPSK   | -3.90      | -0.00154        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 1@23             | DFT_BPSK   | -3.42      | -0.00135        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 12@6             | DFT_QPSK   | -4.48      | -0.00177        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 1@1              | DFT_QPSK   | -5.05      | -0.00199        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 507000        | 1@23             | DFT_QPSK   | -4.50      | -0.00178        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 12@6             | DFT_BPSK   | -2.88      | -0.00112        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 1@1              | DFT_BPSK   | -2.94      | -0.00115        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 1@23             | DFT_BPSK   | -2.03      | -0.00079        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 12@6             | DFT_QPSK   | -2.44      | -0.00095        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 1@1              | DFT_QPSK   | -2.42      | -0.00094        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 5                  | 513500        | 1@23             | DFT_QPSK   | -3.31      | -0.00129        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 36@18            | DFT_BPSK   | -3.01      | -0.00120        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 1@1              | DFT_BPSK   | -0.26      | -0.00010        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 1@77             | DFT_BPSK   | -1.49      | -0.00059        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 36@18            | DFT_QPSK   | -4.82      | -0.00192        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 1@1              | DFT_QPSK   | -3.80      | -0.00152        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 501500        | 1@77             | DFT_QPSK   | -5.29      | -0.00211        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 36@18            | DFT_BPSK   | -3.43      | -0.00135        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 1@1              | DFT_BPSK   | -5.03      | -0.00198        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 1@77             | DFT_BPSK   | -3.46      | -0.00136        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 36@18            | DFT_QPSK   | -1.58      | -0.00062        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 1@1              | DFT_QPSK   | -1.60      | -0.00063        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 507000        | 1@77             | DFT_QPSK   | -2.30      | -0.00091        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 36@18            | DFT_BPSK   | -1.17      | -0.00046        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 1@1              | DFT_BPSK   | -1.29      | -0.00050        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 1@77             | DFT_BPSK   | -1.73      | -0.00068        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 36@18            | DFT_QPSK   | -1.05      | -0.00041        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 1@1              | DFT_QPSK   | -2.59      | -0.00101        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 15                 | 512500        | 1@77             | DFT_QPSK   | -2.61      | -0.00102        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 20                 | 502000        | 50@25            | DFT_BPSK   | -3.19      | -0.00127        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 20                 | 502000        | 1@1              | DFT_BPSK   | -2.79      | -0.00111        | -2.5                  | 2.5                    | PASS    |
| n7   | 15           | 20                 | 502000        | 1@104            | DFT_BPSK   | -2.23      | -0.00089        | -2.5                  | 2.5                    | PASS    |

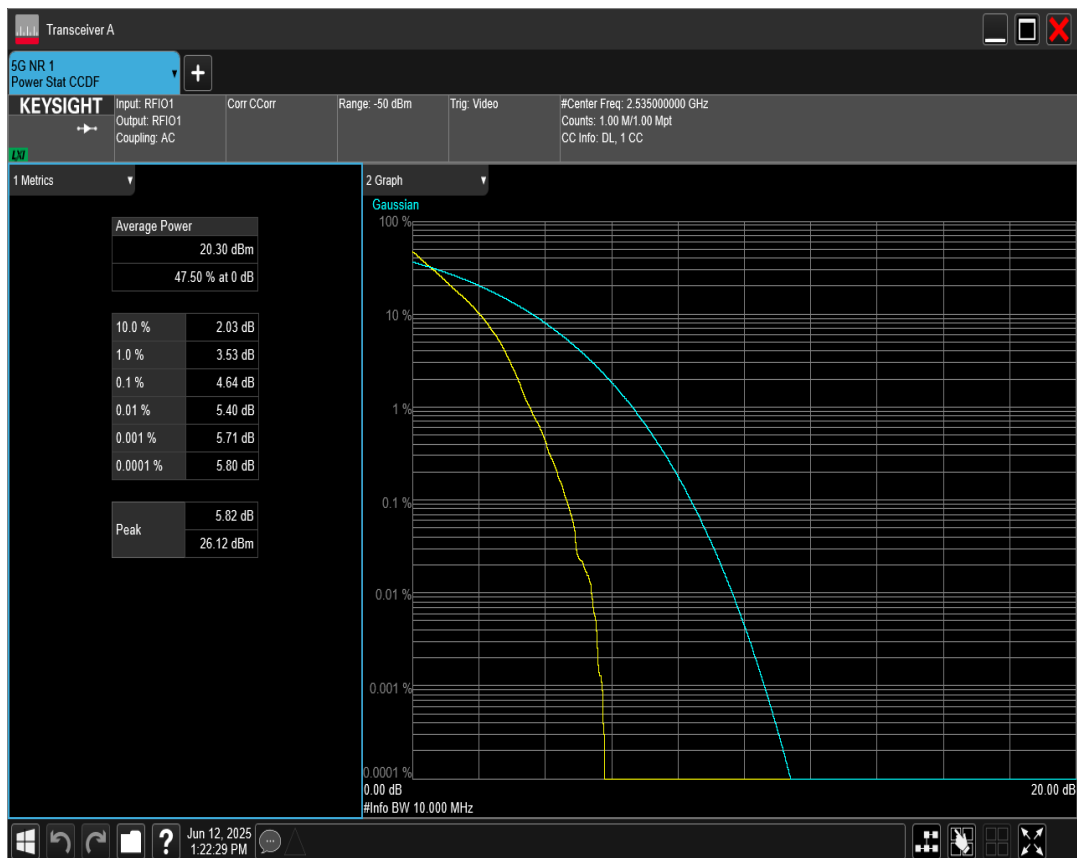
|    |    |    |        |       |          |       |          |      |     |      |
|----|----|----|--------|-------|----------|-------|----------|------|-----|------|
| n7 | 15 | 20 | 502000 | 50@25 | DFT_QPSK | -1.25 | -0.00050 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 502000 | 1@1   | DFT_QPSK | -0.32 | -0.00013 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 502000 | 1@104 | DFT_QPSK | -0.18 | -0.00007 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 50@25 | DFT_BPSK | -2.78 | -0.00110 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 1@1   | DFT_BPSK | -2.04 | -0.00080 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 1@104 | DFT_BPSK | -3.96 | -0.00156 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 50@25 | DFT_QPSK | -4.20 | -0.00166 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 1@1   | DFT_QPSK | -4.33 | -0.00171 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 507000 | 1@104 | DFT_QPSK | -5.14 | -0.00203 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 50@25 | DFT_BPSK | -0.86 | -0.00034 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 1@1   | DFT_BPSK | -1.13 | -0.00044 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 1@104 | DFT_BPSK | -2.12 | -0.00083 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 50@25 | DFT_QPSK | -1.24 | -0.00048 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 1@1   | DFT_QPSK | -3.29 | -0.00129 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 512000 | 1@104 | DFT_QPSK | -1.78 | -0.00070 | -2.5 | 2.5 | PASS |

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

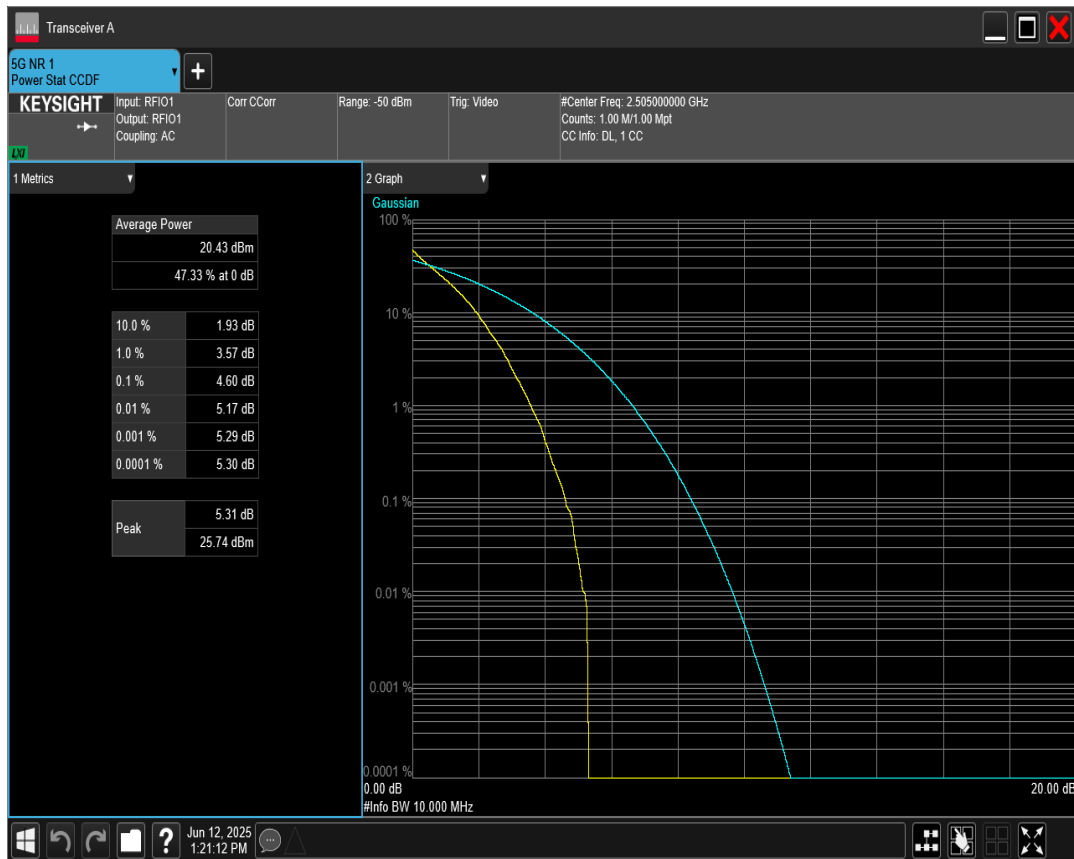
| Band | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|------|--------------|--------------------|---------------|------------------|------------|----------------|-----------------------|---------|
| n7   | 15           | 5                  | 500500        | 25@0             | DFT_BPSK   | 4.39           | 13                    | PASS    |
| n7   | 15           | 5                  | 500500        | 25@0             | DFT_QPSK   | 5.79           | 13                    | PASS    |
| n7   | 15           | 5                  | 500500        | 25@0             | DFT_QAM16  | 6.68           | 13                    | PASS    |
| n7   | 15           | 5                  | 500500        | 25@0             | DFT_QAM64  | 6.58           | 13                    | PASS    |
| n7   | 15           | 5                  | 500500        | 25@0             | DFT_QAM256 | 6.52           | 13                    | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_BPSK   | 4.63           | 13                    | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QPSK   | 5.99           | 13                    | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM16  | 6.78           | 13                    | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM64  | 7.01           | 13                    | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM256 | 6.93           | 13                    | PASS    |
| n7   | 15           | 5                  | 513500        | 25@0             | DFT_BPSK   | 5.89           | 13                    | PASS    |
| n7   | 15           | 5                  | 513500        | 25@0             | DFT_QPSK   | 6.43           | 13                    | PASS    |
| n7   | 15           | 5                  | 513500        | 25@0             | DFT_QAM16  | 6.71           | 13                    | PASS    |
| n7   | 15           | 5                  | 513500        | 25@0             | DFT_QAM64  | 6.84           | 13                    | PASS    |
| n7   | 15           | 5                  | 513500        | 25@0             | DFT_QAM256 | 6.81           | 13                    | PASS    |
| n7   | 15           | 10                 | 501000        | 50@0             | DFT_BPSK   | 4.60           | 13                    | PASS    |
| n7   | 15           | 10                 | 501000        | 50@0             | DFT_QPSK   | 5.76           | 13                    | PASS    |
| n7   | 15           | 10                 | 501000        | 50@0             | DFT_QAM16  | 6.44           | 13                    | PASS    |
| n7   | 15           | 10                 | 501000        | 50@0             | DFT_QAM64  | 6.63           | 13                    | PASS    |
| n7   | 15           | 10                 | 501000        | 50@0             | DFT_QAM256 | 6.77           | 13                    | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_BPSK   | 4.64           | 13                    | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QPSK   | 6.09           | 13                    | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM16  | 6.59           | 13                    | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM64  | 6.79           | 13                    | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM256 | 6.68           | 13                    | PASS    |
| n7   | 15           | 10                 | 513000        | 50@0             | DFT_BPSK   | 5.29           | 13                    | PASS    |
| n7   | 15           | 10                 | 513000        | 50@0             | DFT_QPSK   | 5.87           | 13                    | PASS    |
| n7   | 15           | 10                 | 513000        | 50@0             | DFT_QAM16  | 6.35           | 13                    | PASS    |
| n7   | 15           | 10                 | 513000        | 50@0             | DFT_QAM64  | 6.58           | 13                    | PASS    |
| n7   | 15           | 10                 | 513000        | 50@0             | DFT_QAM256 | 6.64           | 13                    | PASS    |
| n7   | 15           | 15                 | 501500        | 75@0             | DFT_BPSK   | 4.35           | 13                    | PASS    |
| n7   | 15           | 15                 | 501500        | 75@0             | DFT_QPSK   | 5.88           | 13                    | PASS    |
| n7   | 15           | 15                 | 501500        | 75@0             | DFT_QAM16  | 6.68           | 13                    | PASS    |
| n7   | 15           | 15                 | 501500        | 75@0             | DFT_QAM64  | 6.55           | 13                    | PASS    |
| n7   | 15           | 15                 | 501500        | 75@0             | DFT_QAM256 | 6.72           | 13                    | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_BPSK   | 4.85           | 13                    | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QPSK   | 5.69           | 13                    | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QAM16  | 6.56           | 13                    | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QAM64  | 6.60           | 13                    | PASS    |

|    |    |    |        |       |            |      |    |      |
|----|----|----|--------|-------|------------|------|----|------|
| n7 | 15 | 15 | 507000 | 75@0  | DFT_QAM256 | 6.57 | 13 | PASS |
| n7 | 15 | 15 | 512500 | 75@0  | DFT_BPSK   | 4.63 | 13 | PASS |
| n7 | 15 | 15 | 512500 | 75@0  | DFT_QPSK   | 5.86 | 13 | PASS |
| n7 | 15 | 15 | 512500 | 75@0  | DFT_QAM16  | 6.70 | 13 | PASS |
| n7 | 15 | 15 | 512500 | 75@0  | DFT_QAM64  | 6.72 | 13 | PASS |
| n7 | 15 | 15 | 512500 | 75@0  | DFT_QAM256 | 6.64 | 13 | PASS |
| n7 | 15 | 20 | 502000 | 100@0 | DFT_BPSK   | 4.85 | 13 | PASS |
| n7 | 15 | 20 | 502000 | 100@0 | DFT_QPSK   | 5.80 | 13 | PASS |
| n7 | 15 | 20 | 502000 | 100@0 | DFT_QAM16  | 6.32 | 13 | PASS |
| n7 | 15 | 20 | 502000 | 100@0 | DFT_QAM64  | 6.57 | 13 | PASS |
| n7 | 15 | 20 | 502000 | 100@0 | DFT_QAM256 | 6.64 | 13 | PASS |
| n7 | 15 | 20 | 507000 | 100@0 | DFT_BPSK   | 4.49 | 13 | PASS |
| n7 | 15 | 20 | 507000 | 100@0 | DFT_QPSK   | 5.88 | 13 | PASS |
| n7 | 15 | 20 | 507000 | 100@0 | DFT_QAM16  | 6.59 | 13 | PASS |
| n7 | 15 | 20 | 507000 | 100@0 | DFT_QAM64  | 6.75 | 13 | PASS |
| n7 | 15 | 20 | 507000 | 100@0 | DFT_QAM256 | 6.71 | 13 | PASS |
| n7 | 15 | 20 | 512000 | 100@0 | DFT_BPSK   | 5.55 | 13 | PASS |
| n7 | 15 | 20 | 512000 | 100@0 | DFT_QPSK   | 6.29 | 13 | PASS |
| n7 | 15 | 20 | 512000 | 100@0 | DFT_QAM16  | 6.58 | 13 | PASS |
| n7 | 15 | 20 | 512000 | 100@0 | DFT_QAM64  | 6.61 | 13 | PASS |
| n7 | 15 | 20 | 512000 | 100@0 | DFT_QAM256 | 6.75 | 13 | PASS |

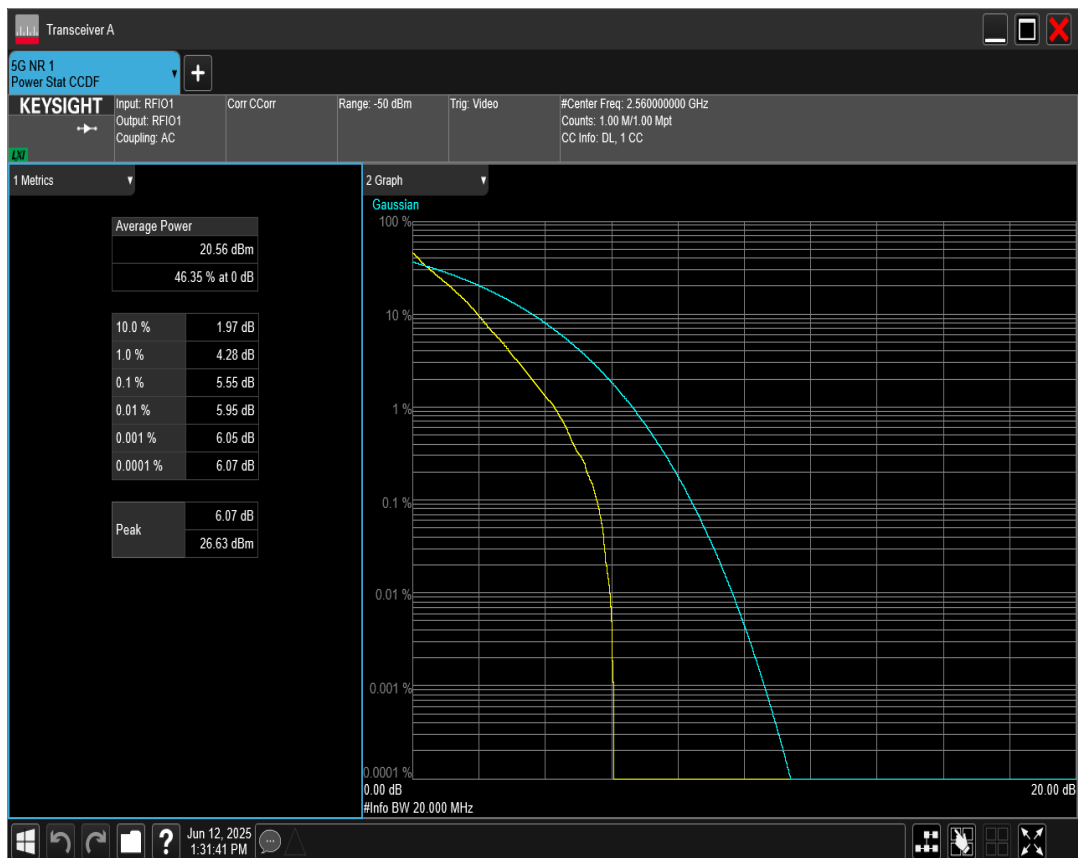
**n7 SCS=15kHz DFT\_BPSK BW=10MHz Channel=507000 RB=50@0**



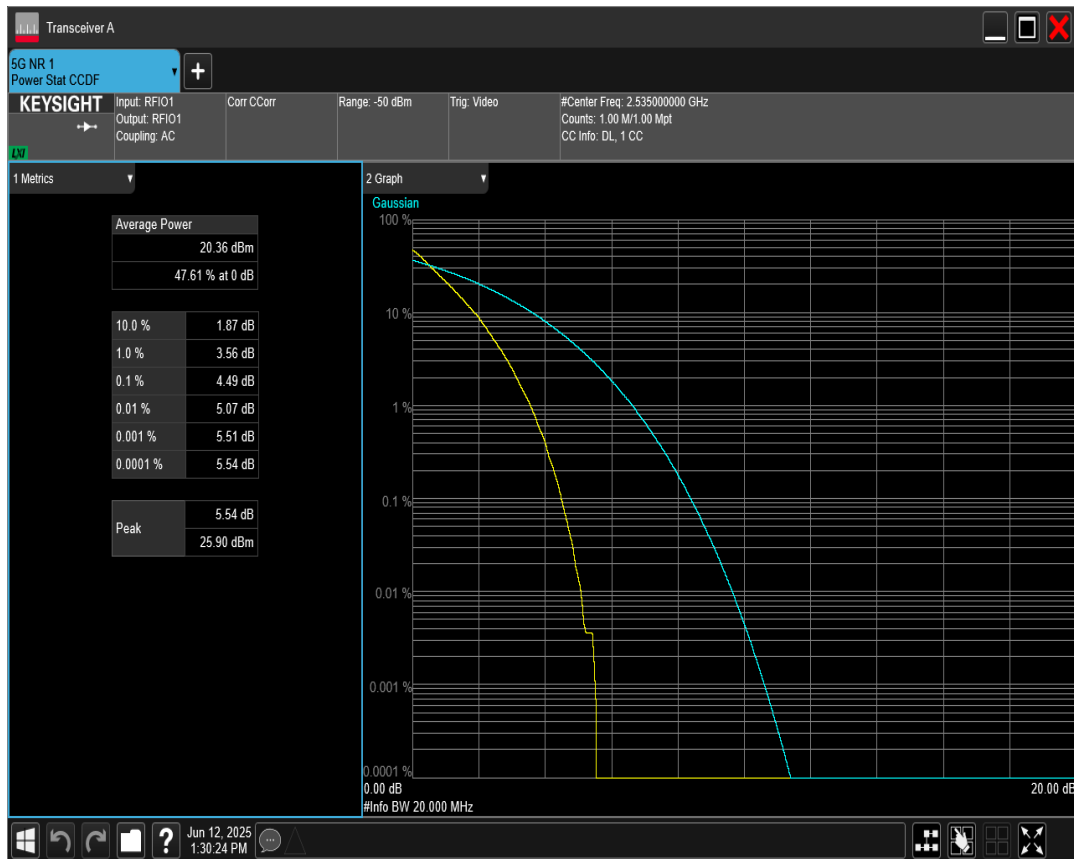
**n7 SCS=15kHz DFT\_BPSK BW=10MHz Channel=501000 RB=50@0**



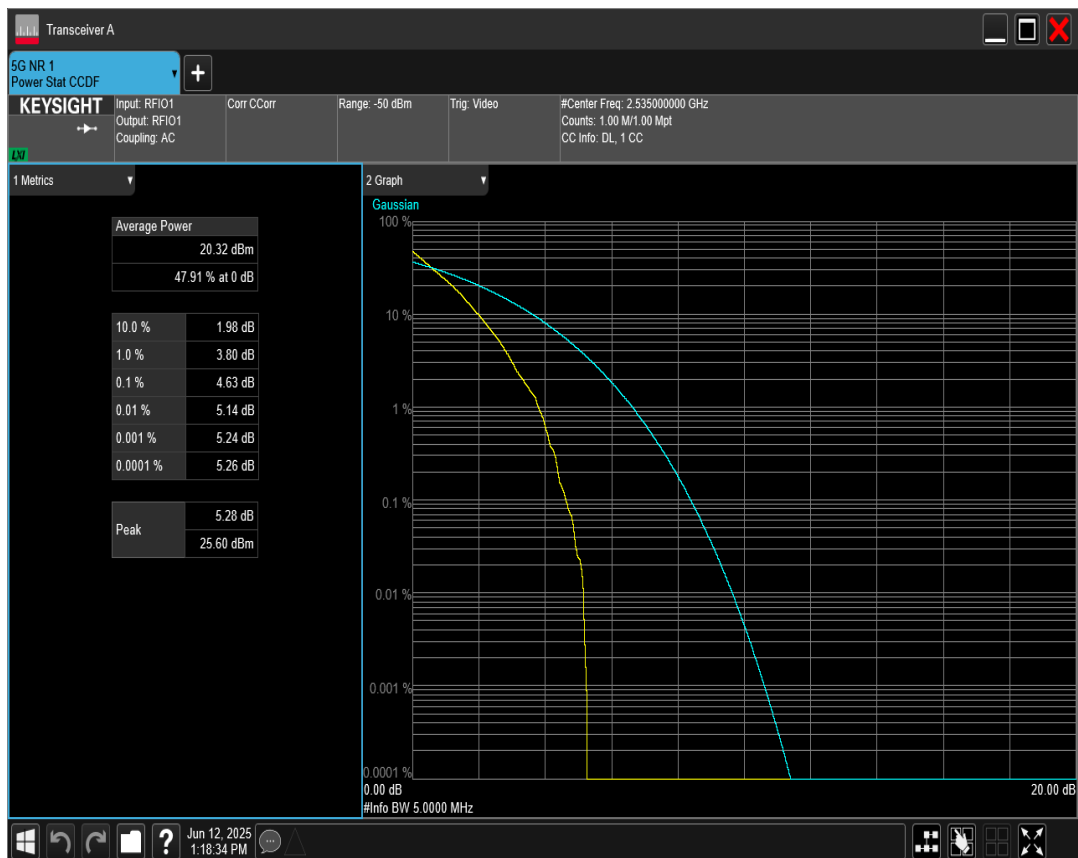
***n7 SCS=15kHz DFT\_BPSK BW=20MHz Channel=512000 RB=100@0***



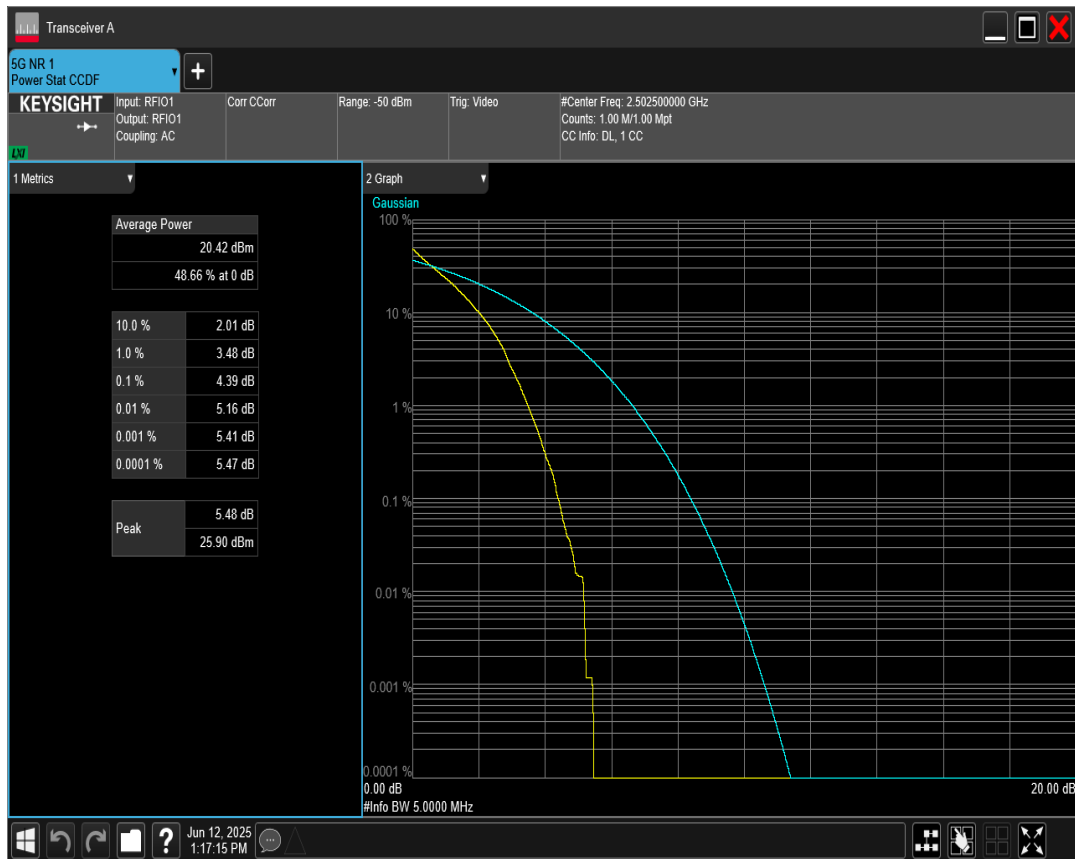
***n7 SCS=15kHz DFT\_BPSK BW=20MHz Channel=507000 RB=100@0***



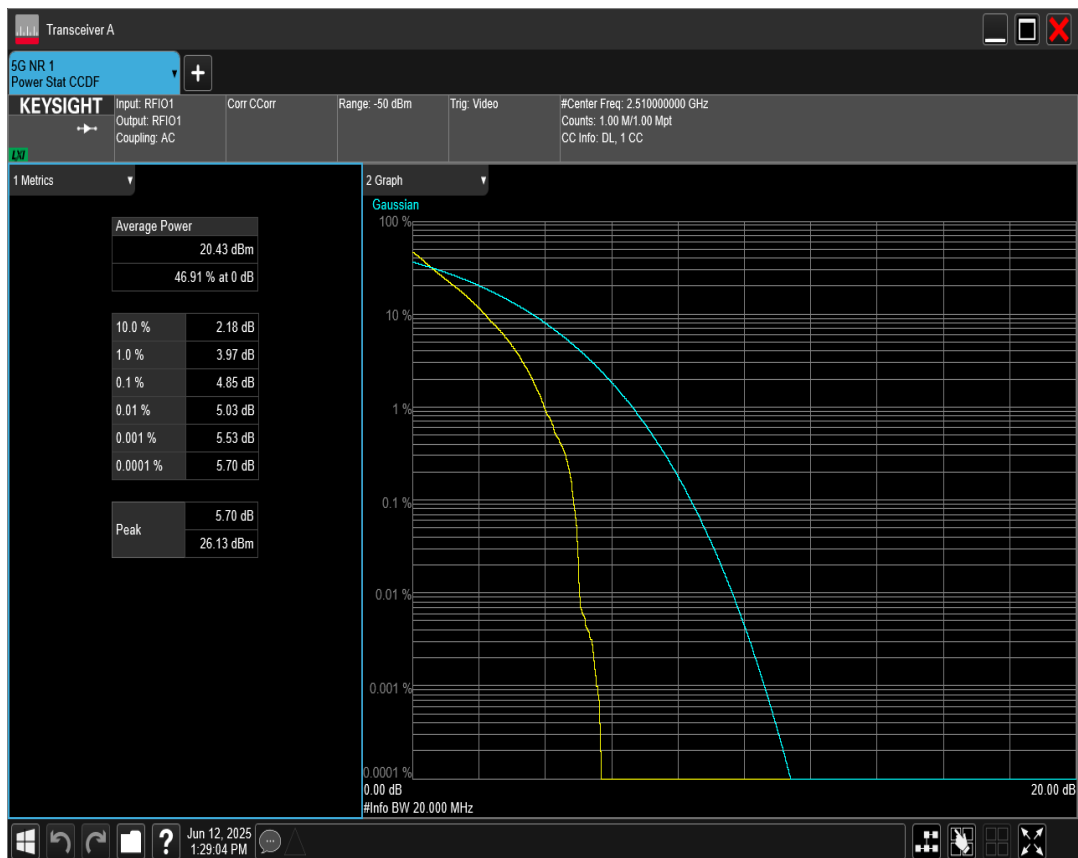
***n7 SCS=15kHz DFT\_BPSK BW=5MHz Channel=507000 RB=25@0***



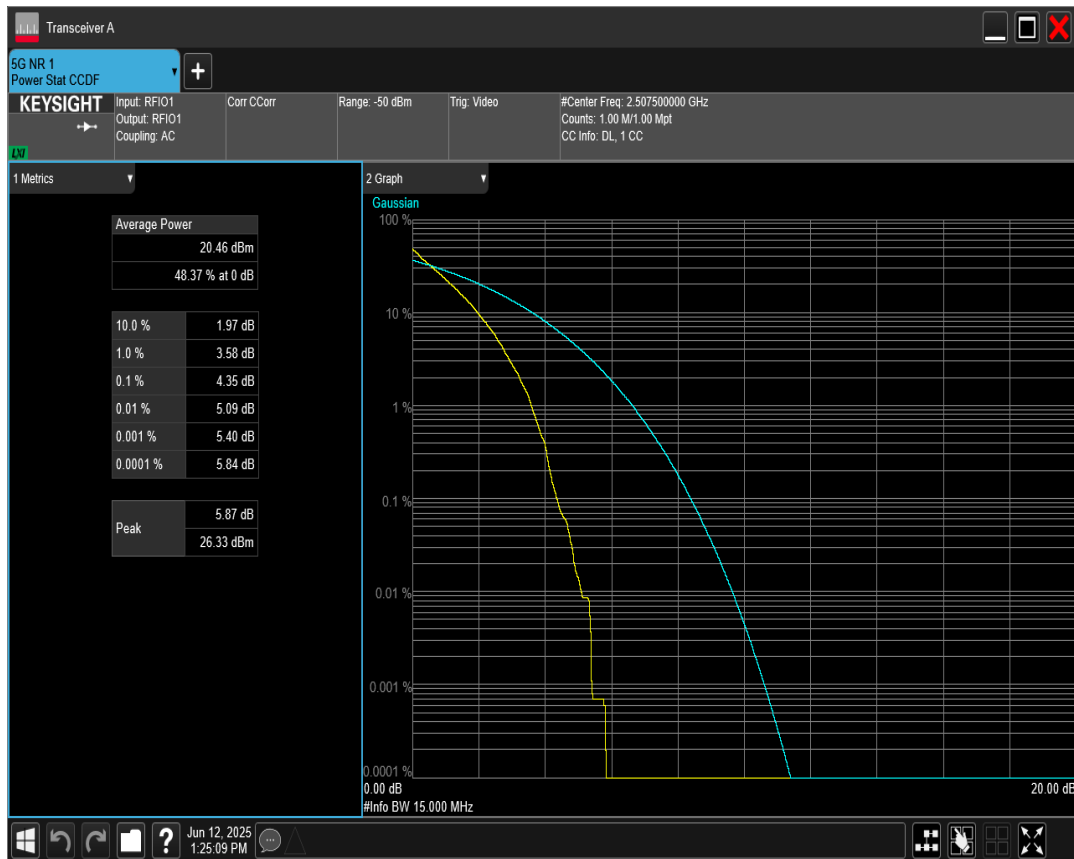
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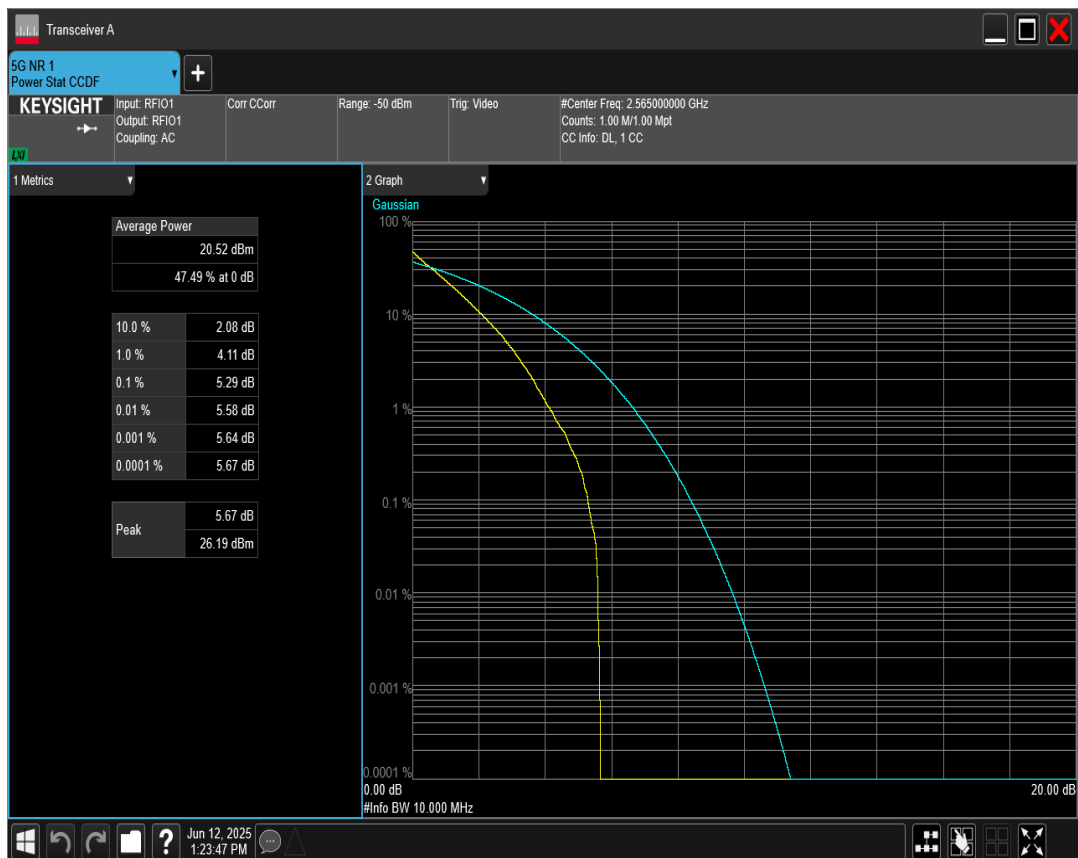
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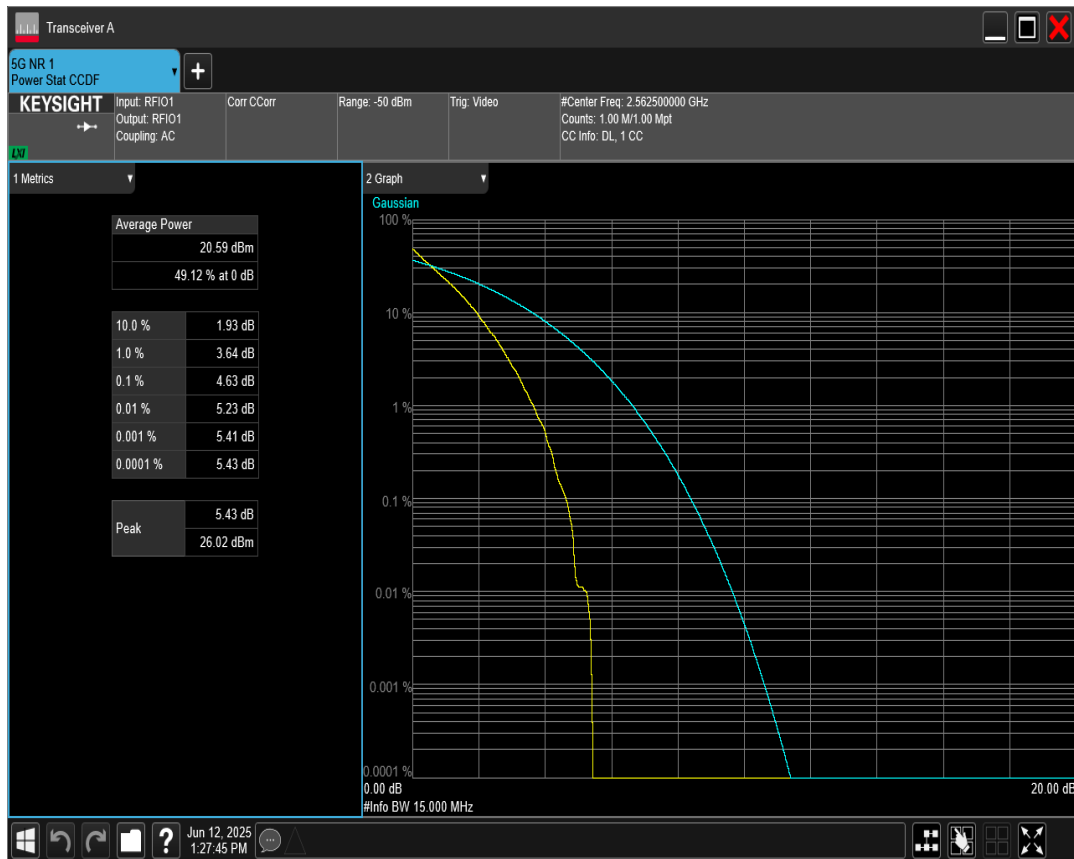
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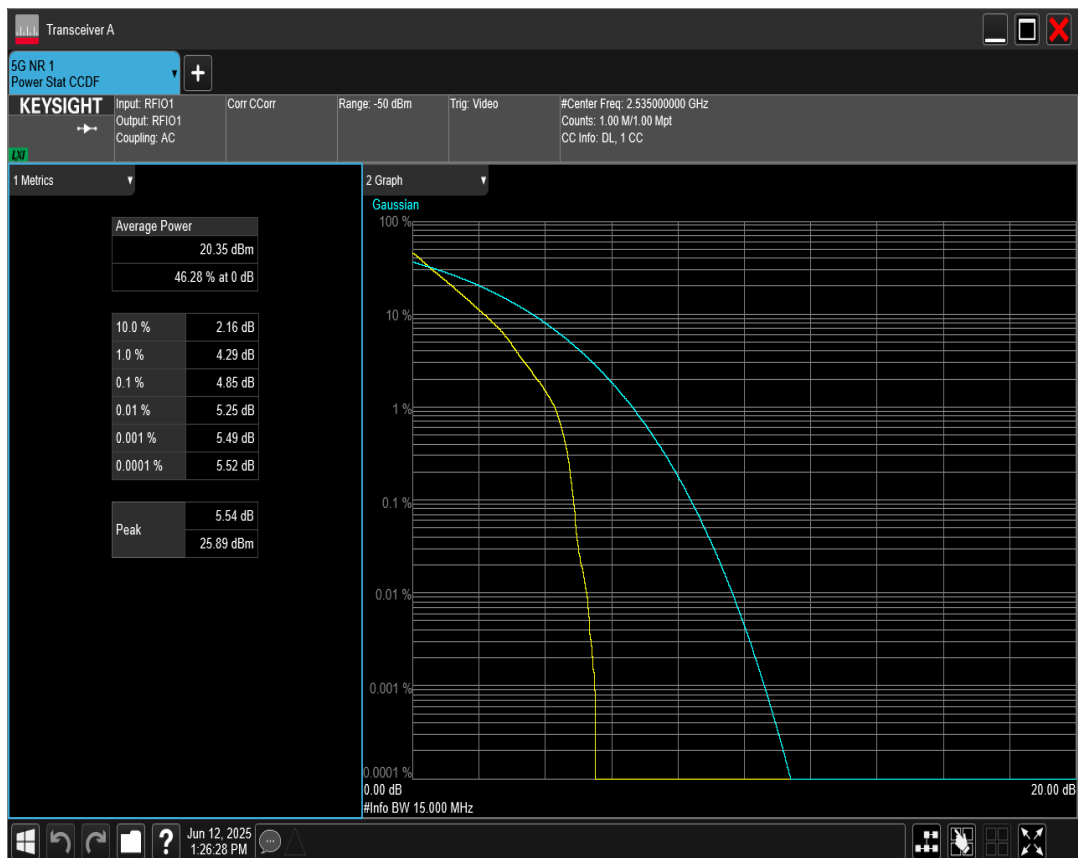
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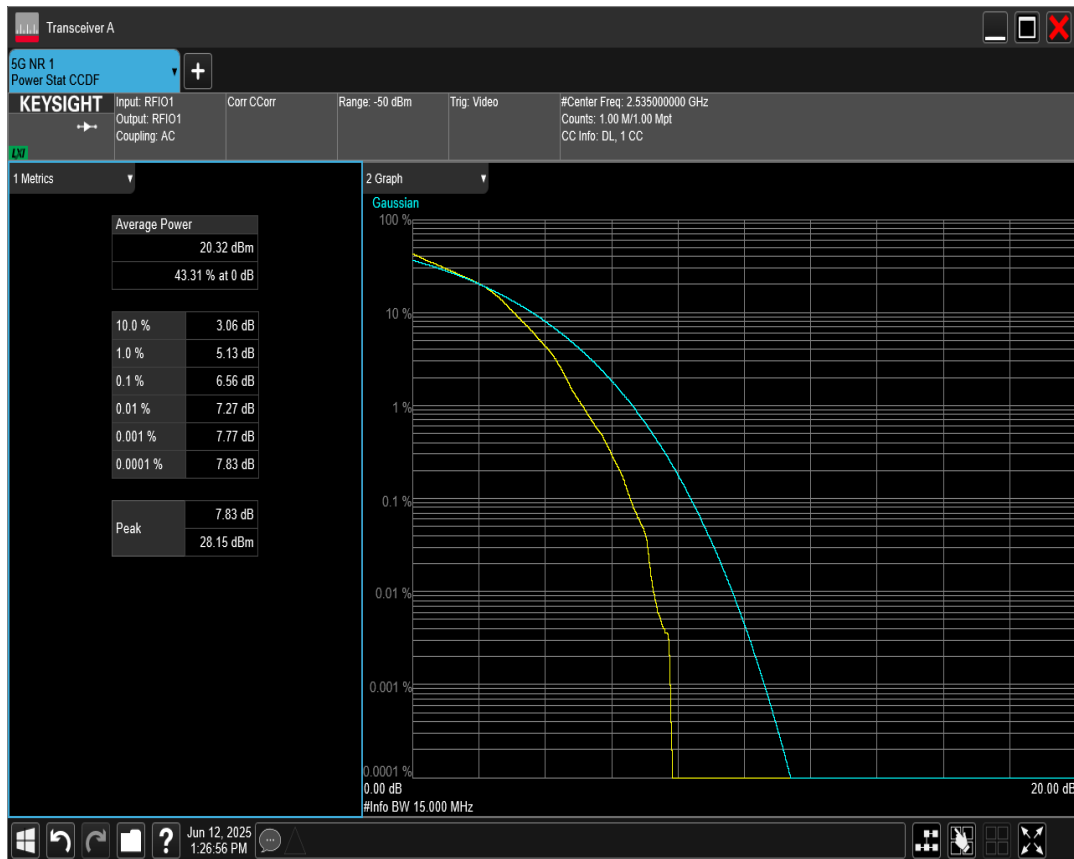
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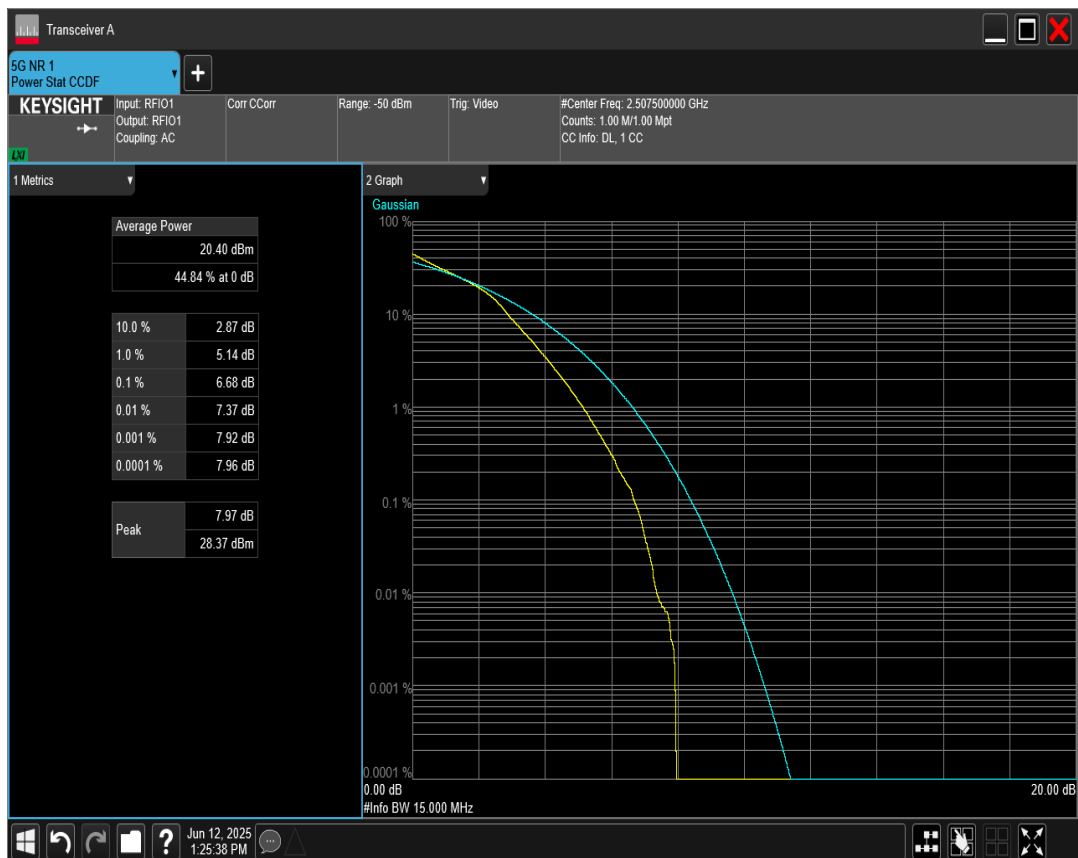
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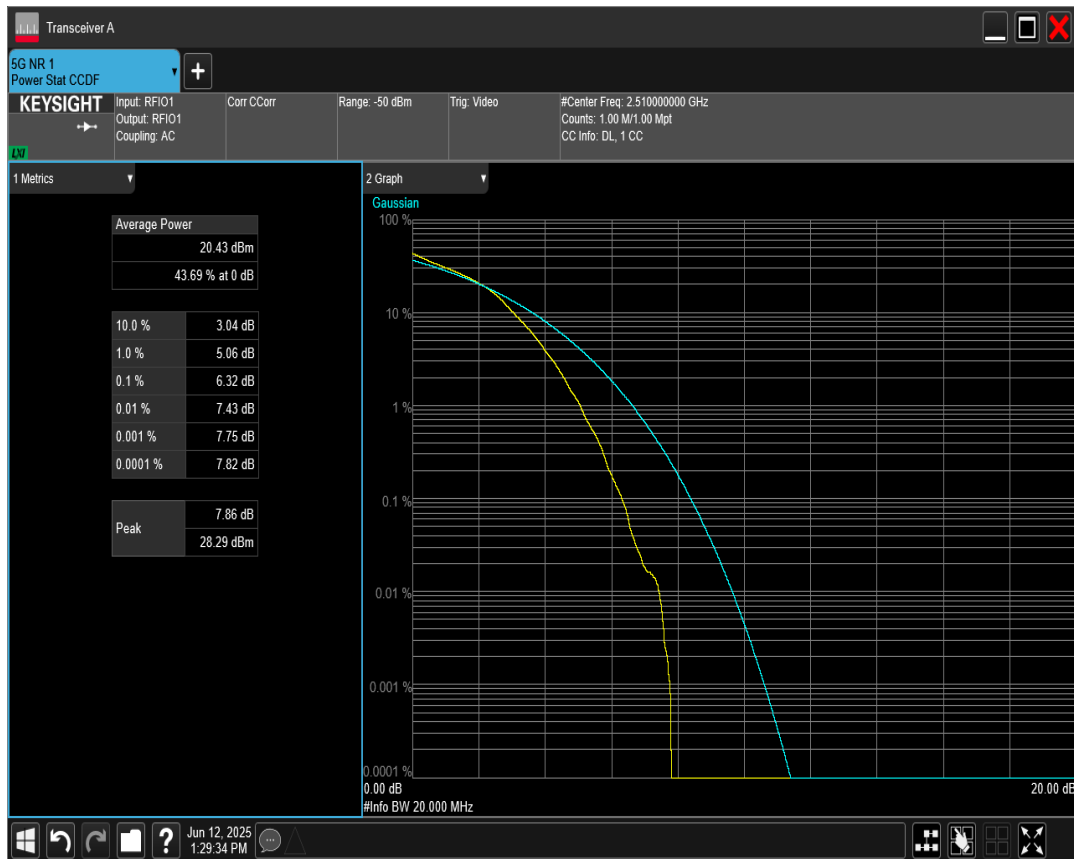
***n7 SCS=15kHz DFT\_QAM16 BW=15MHz Channel=507000 RB=75@0***



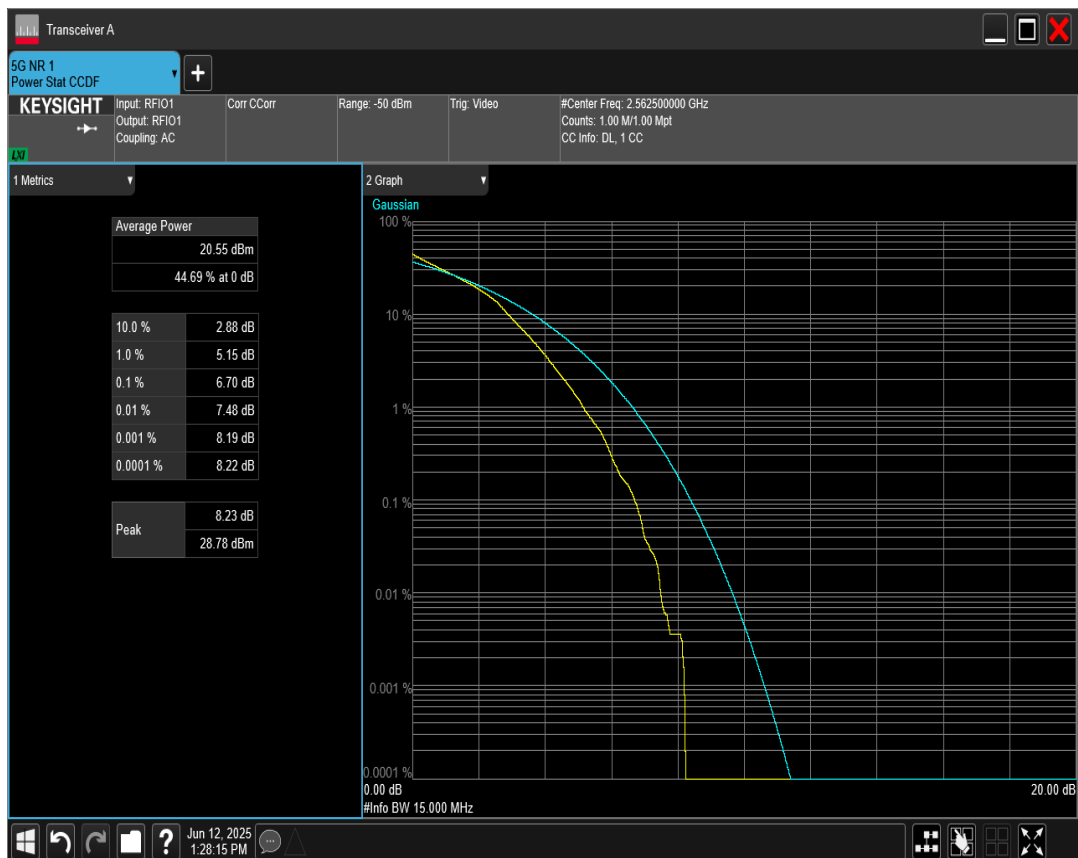
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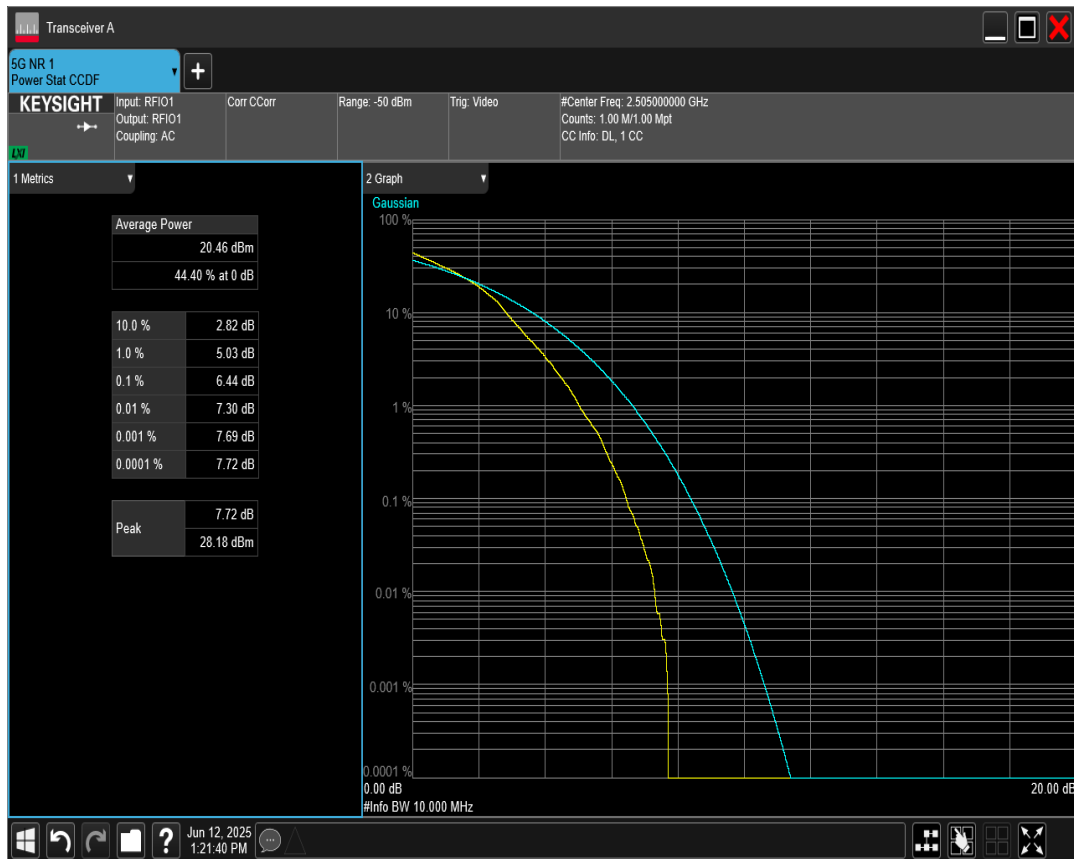
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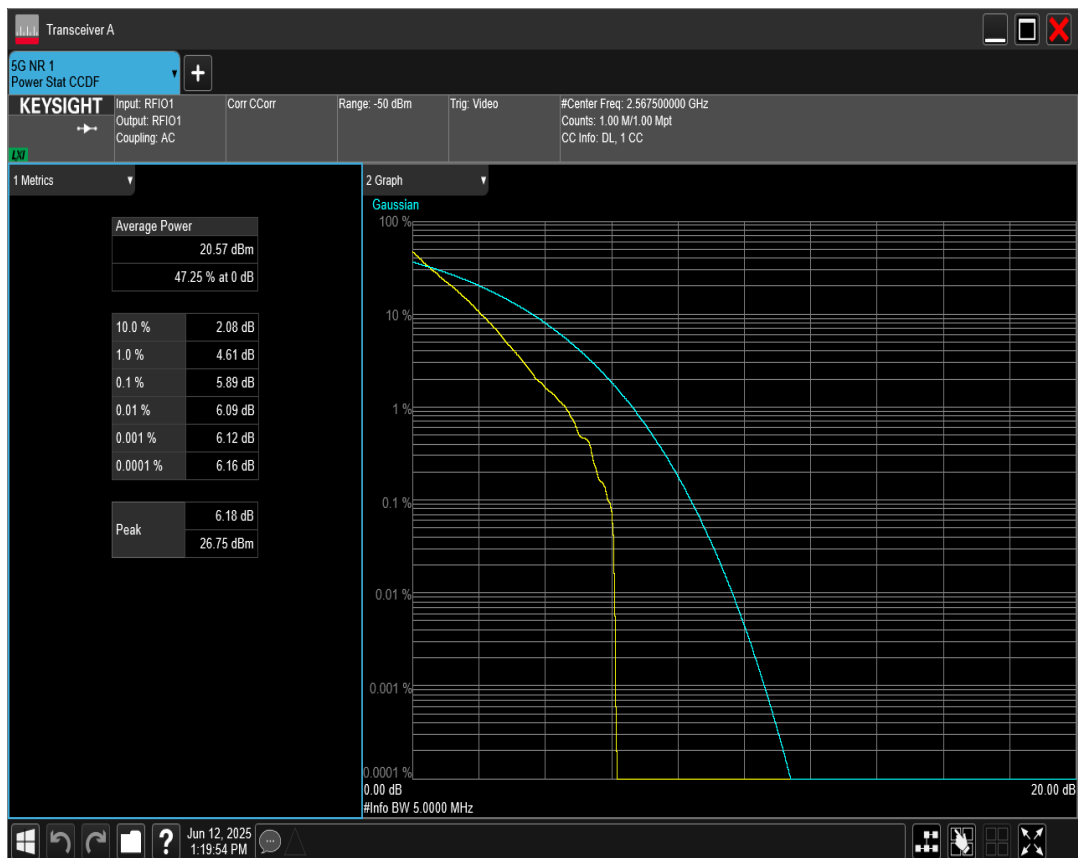
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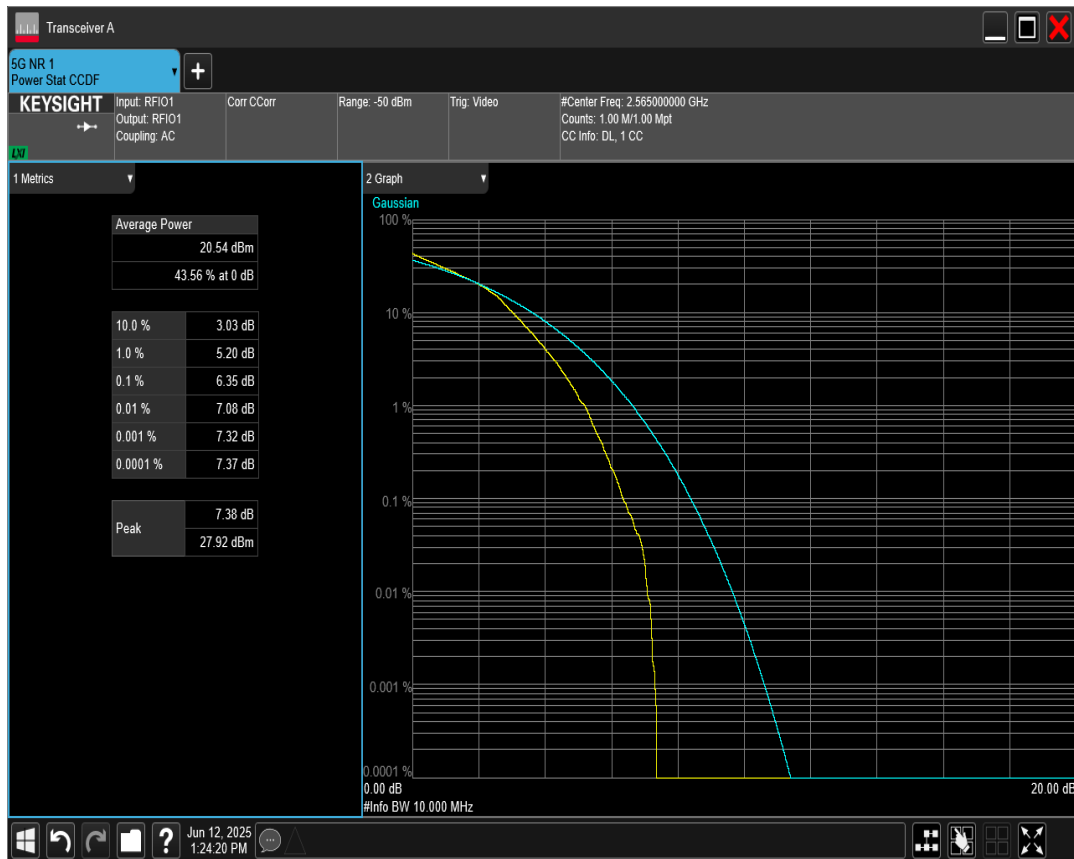
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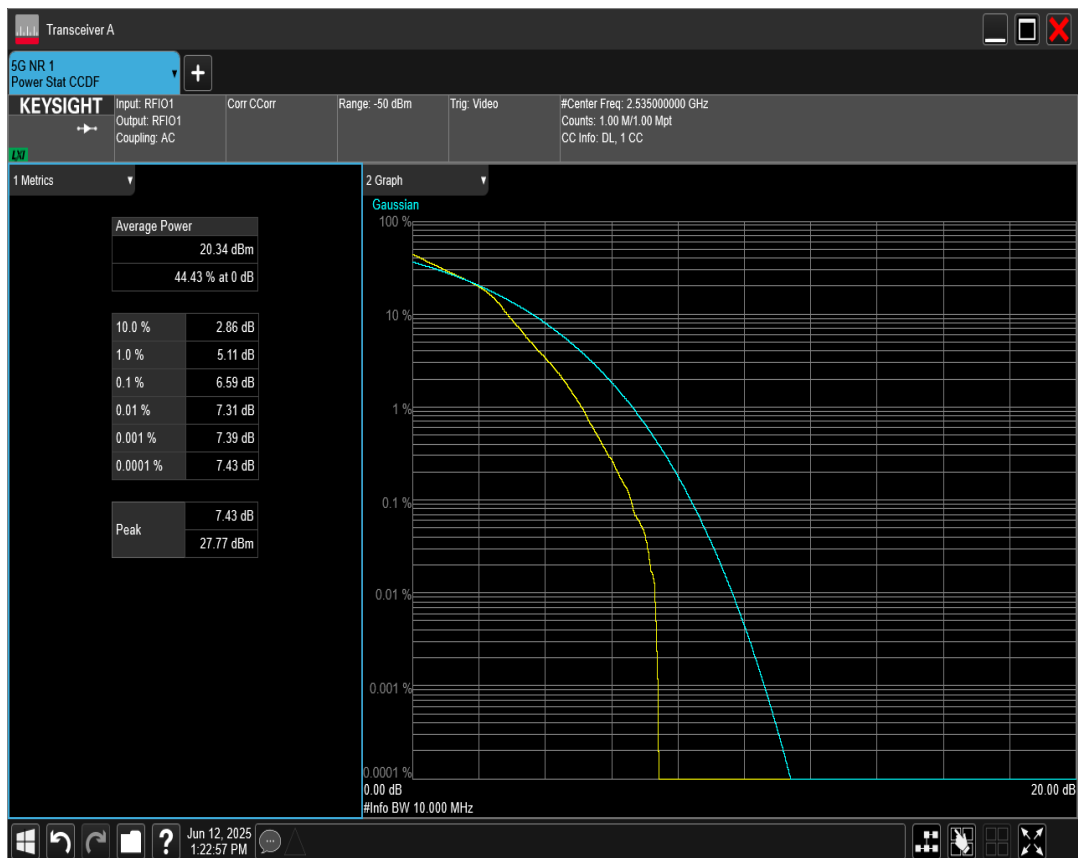
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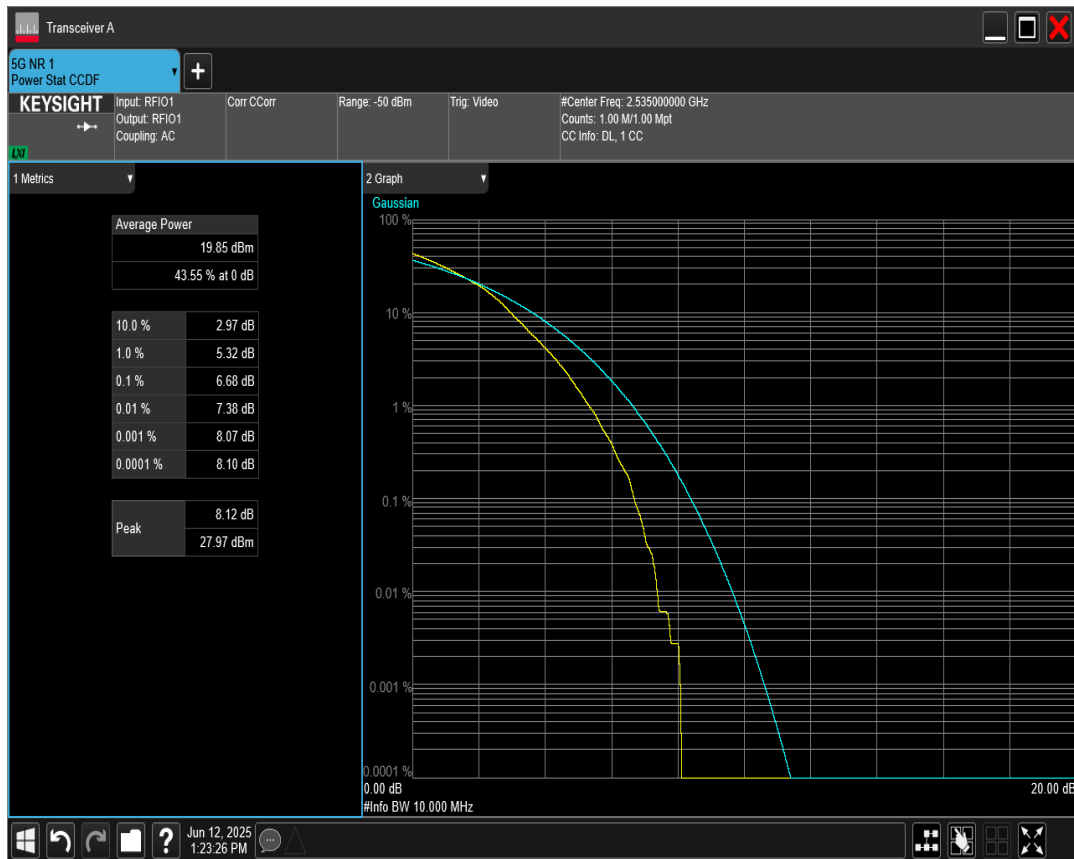
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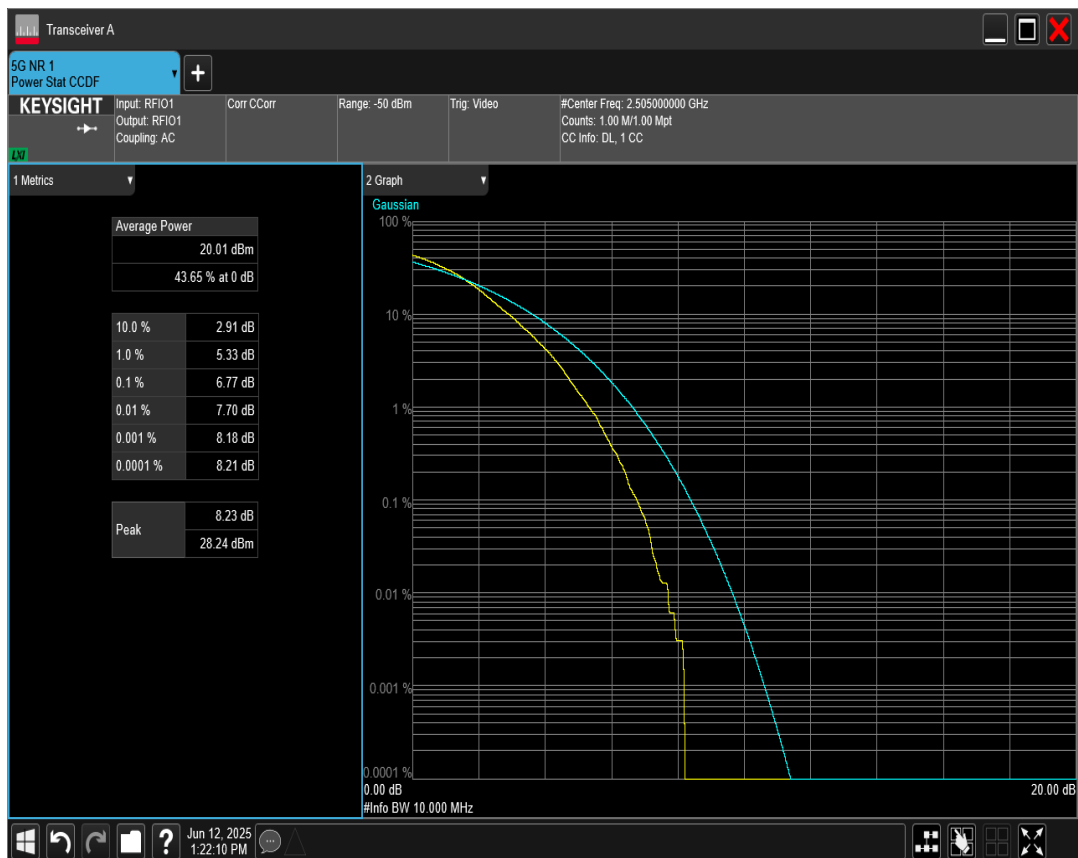
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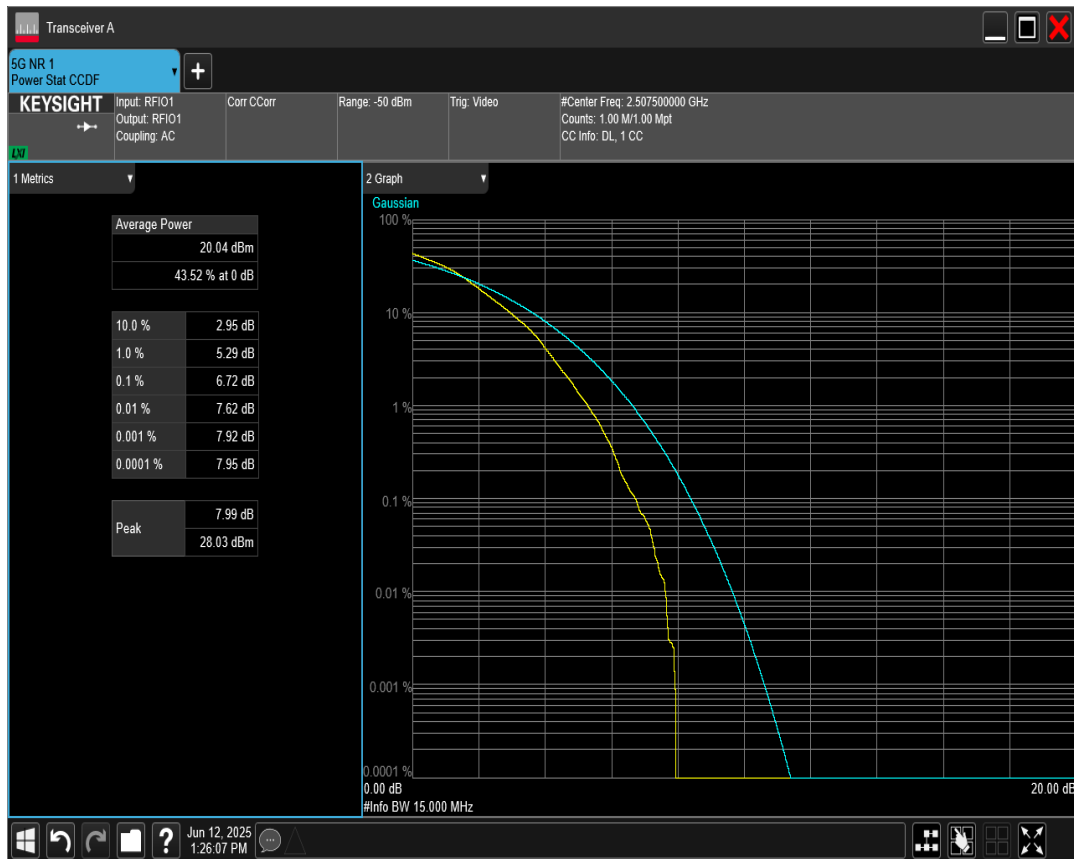
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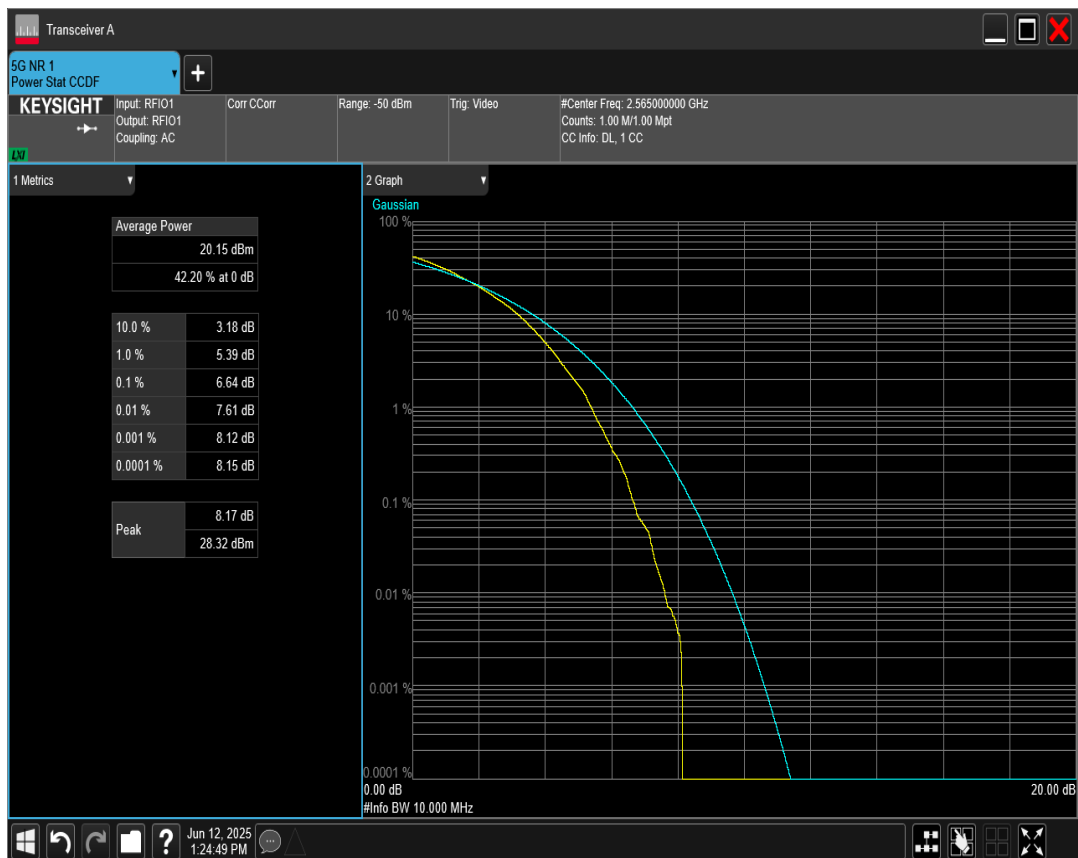
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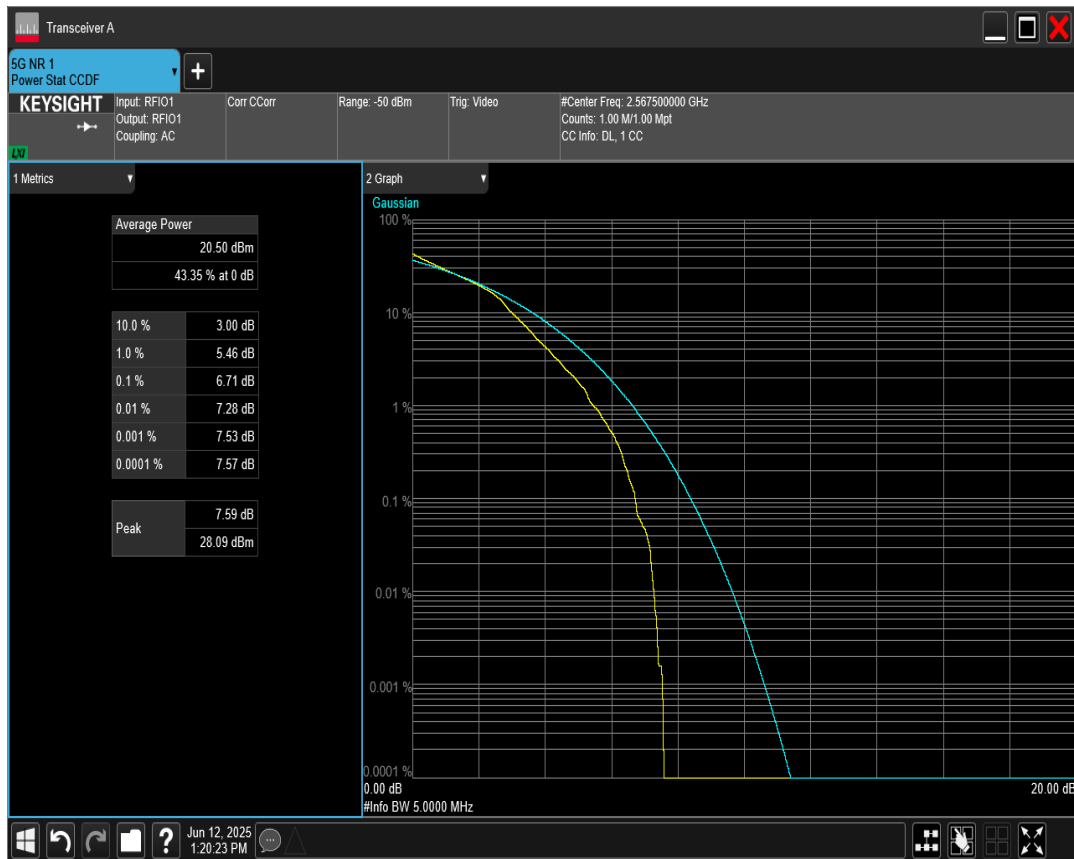
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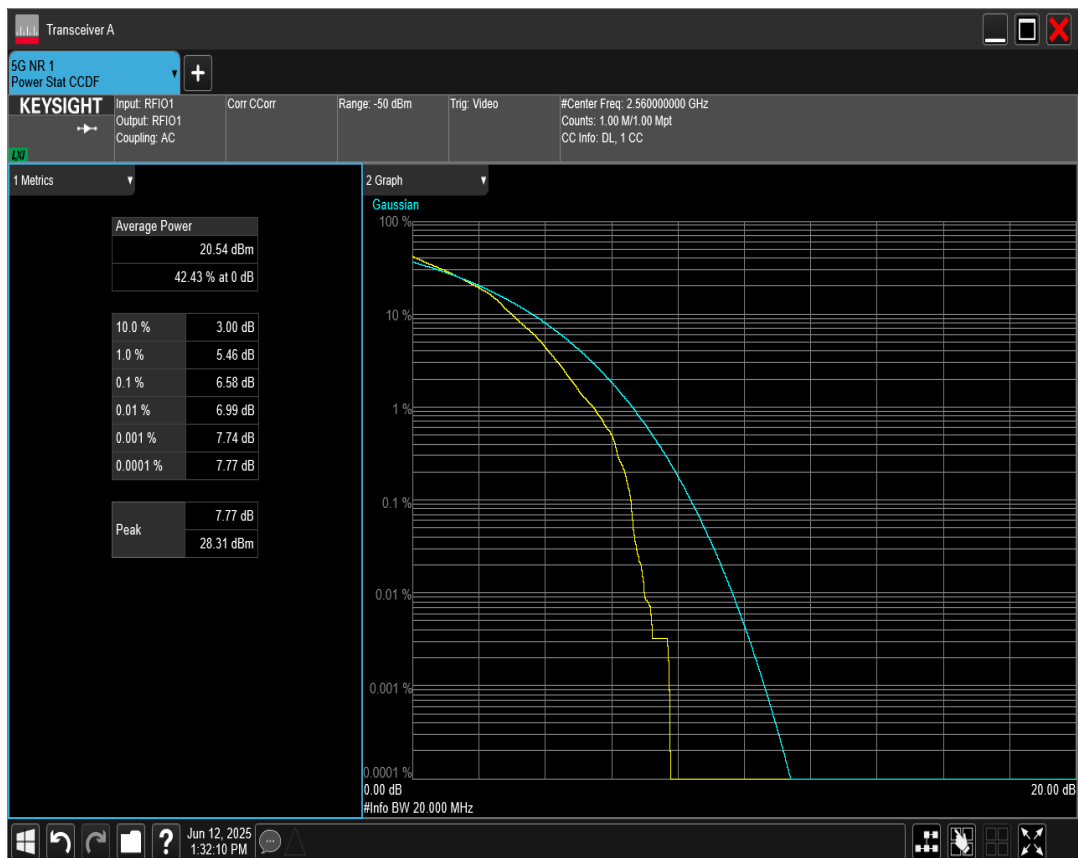
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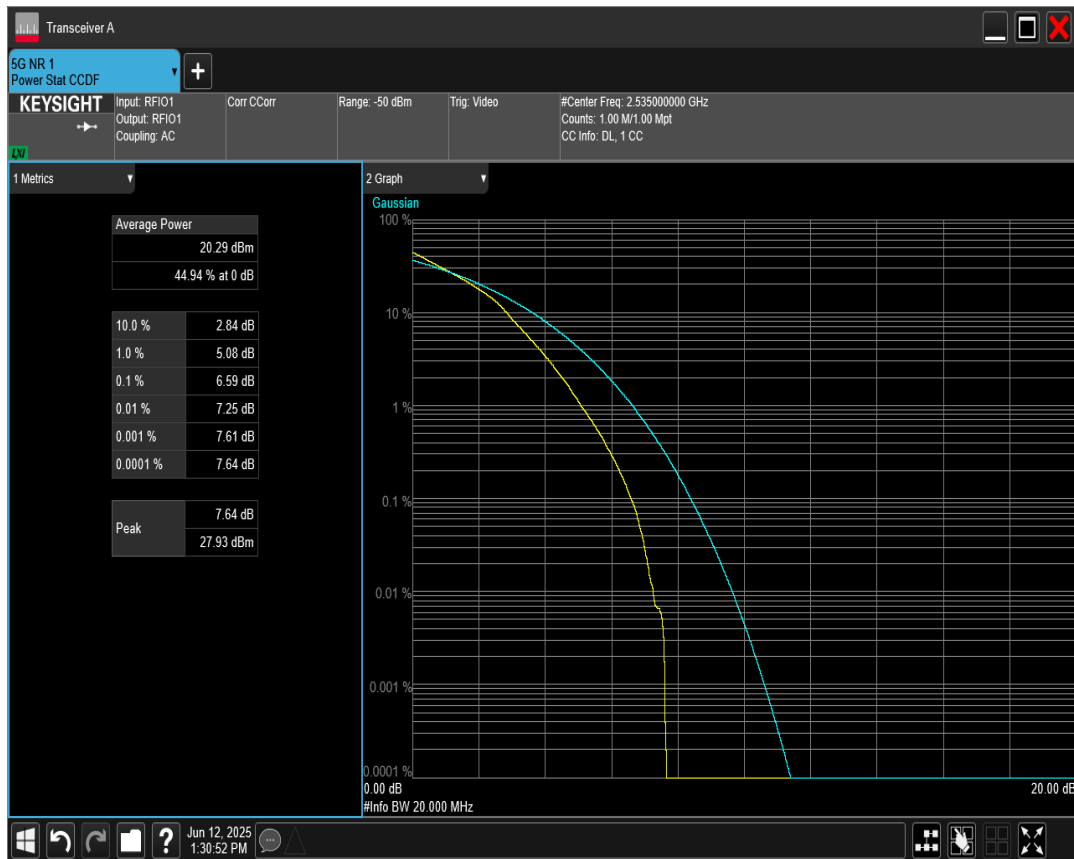
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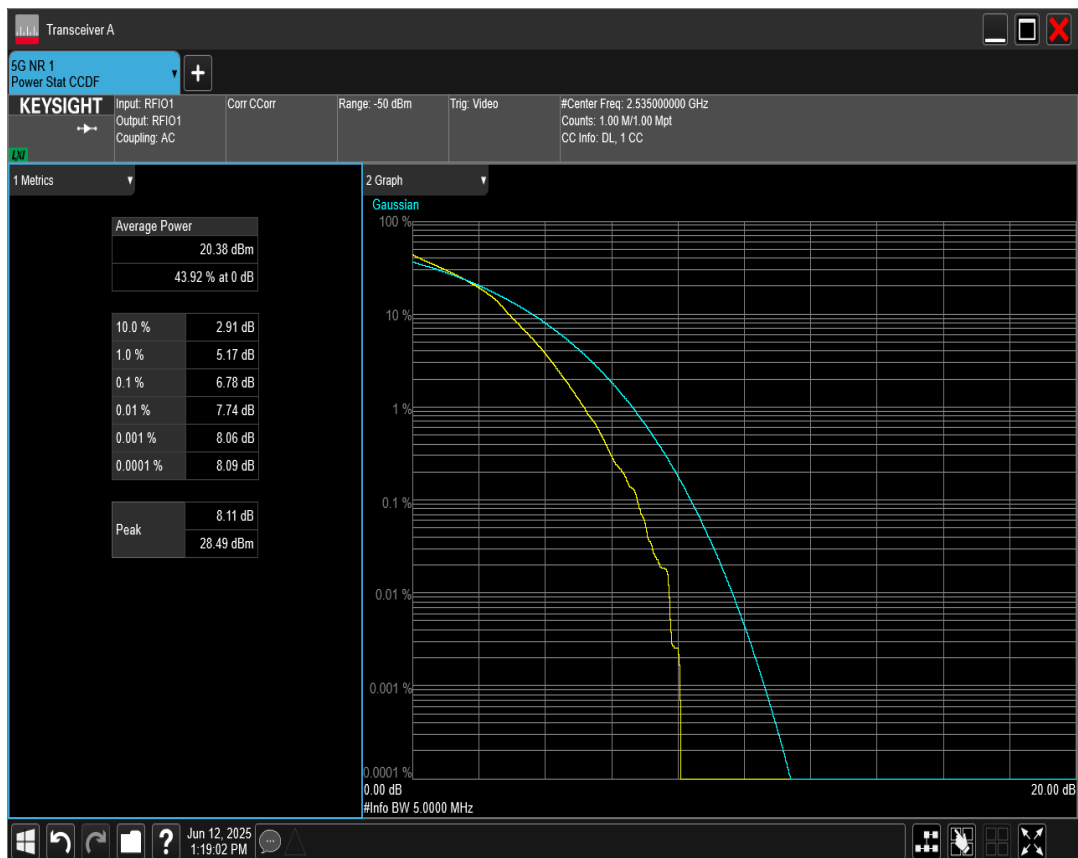
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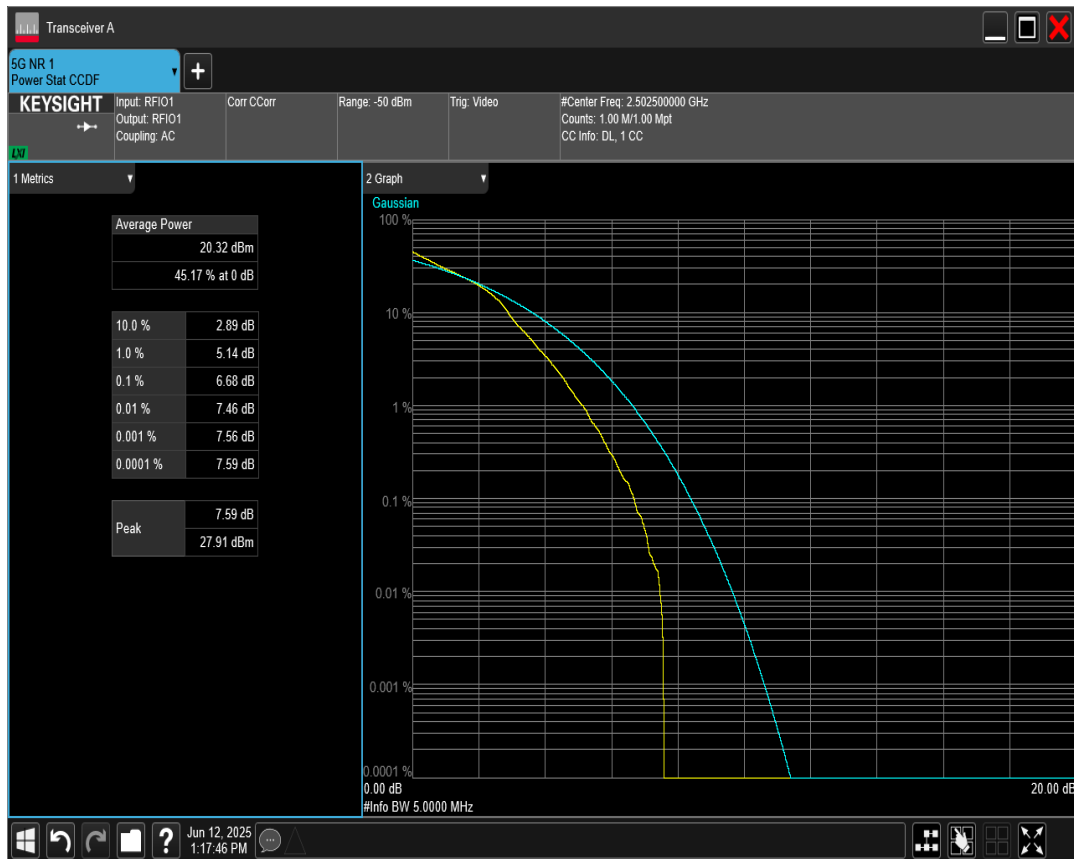
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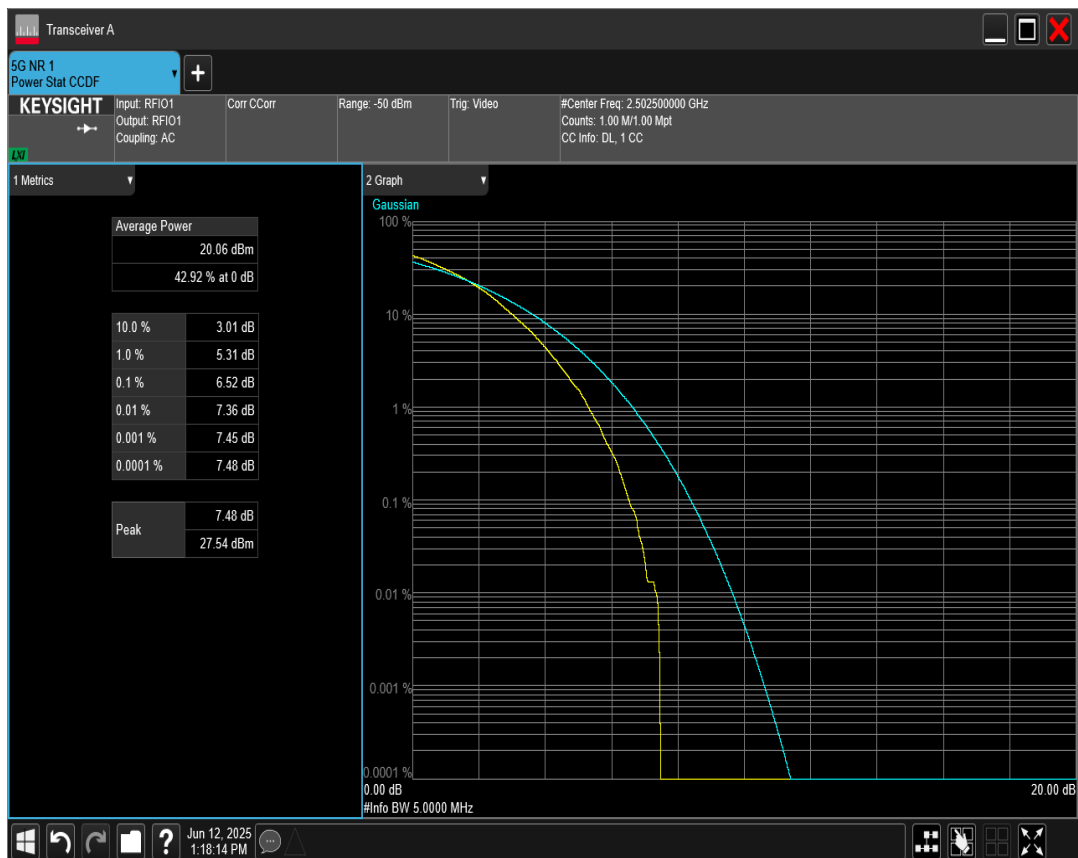
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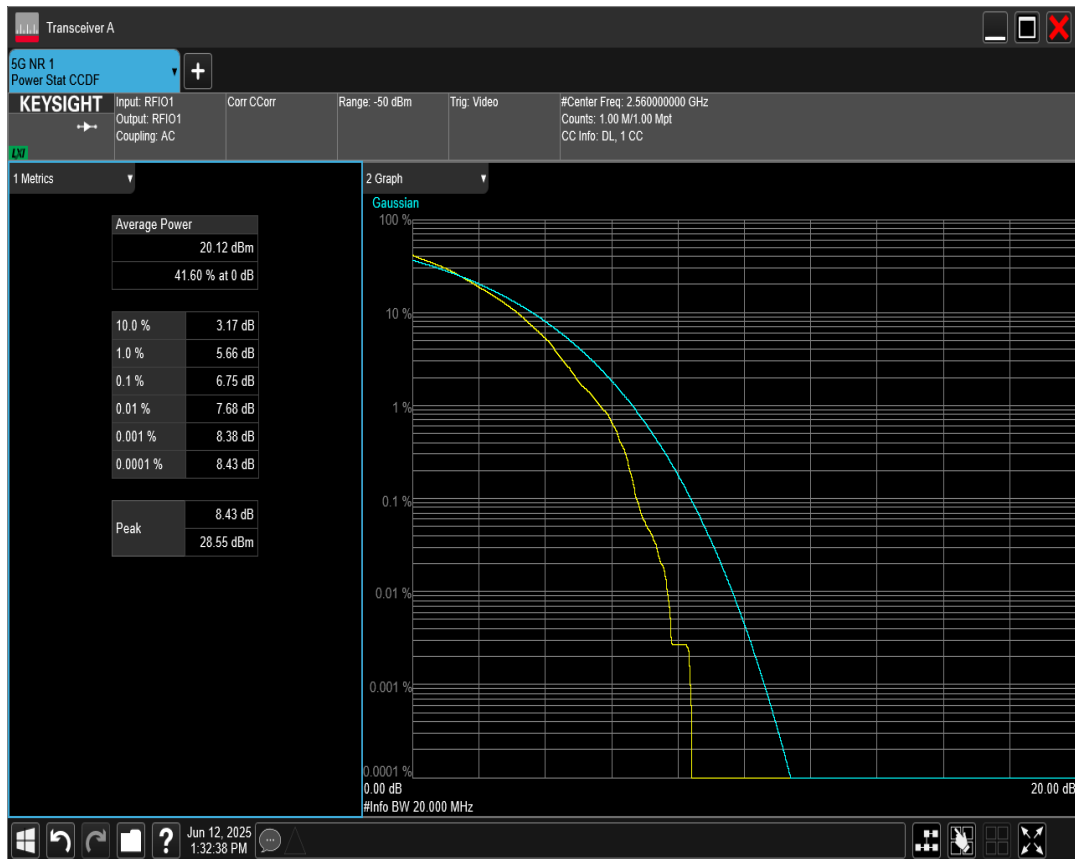
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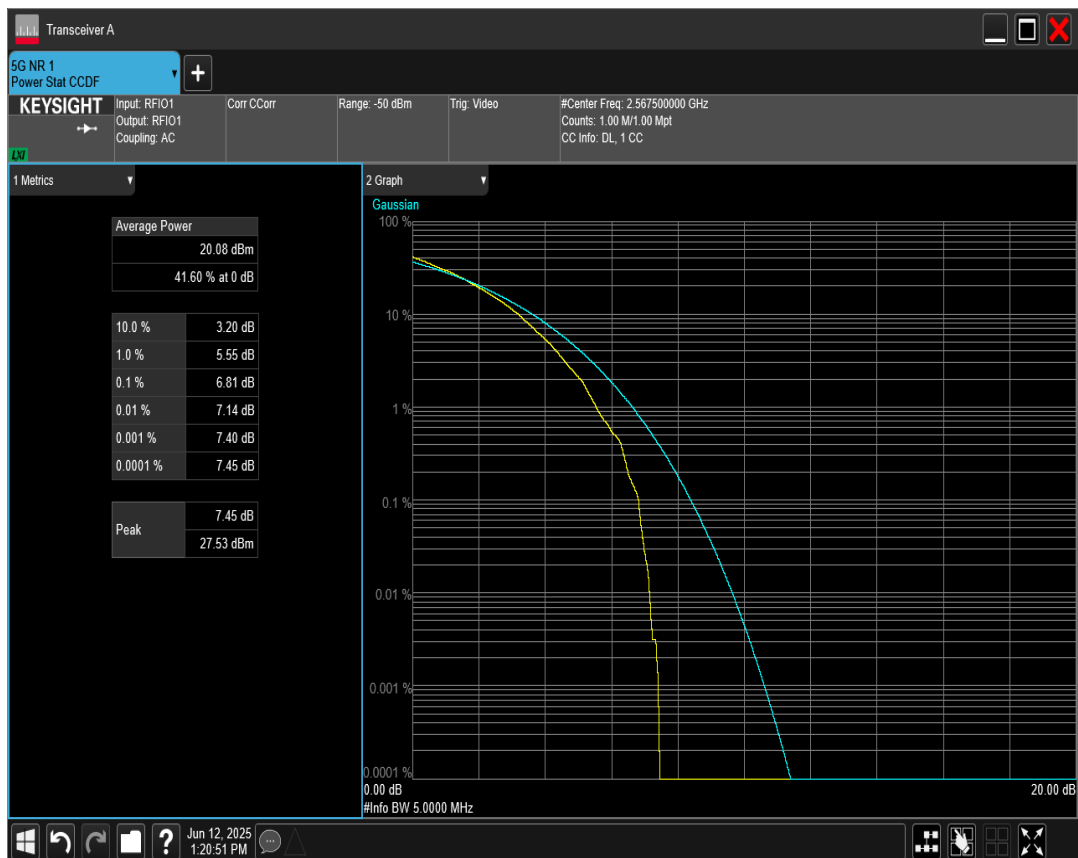
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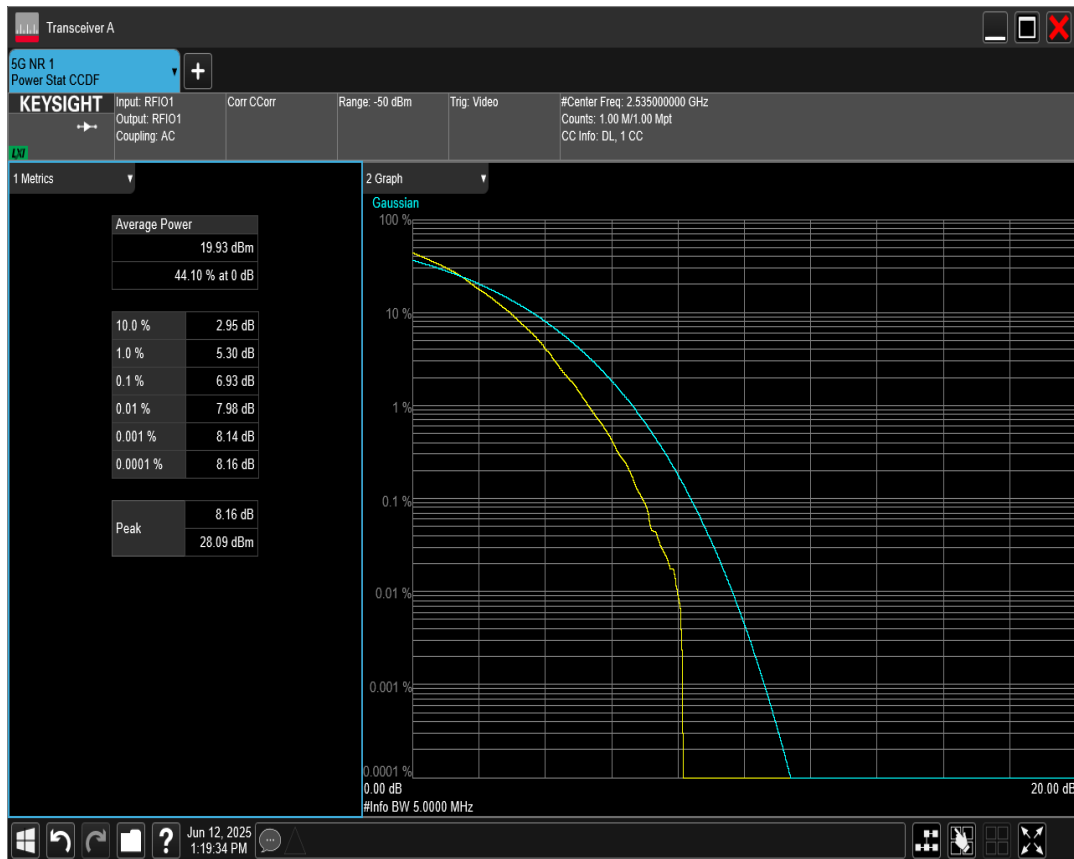
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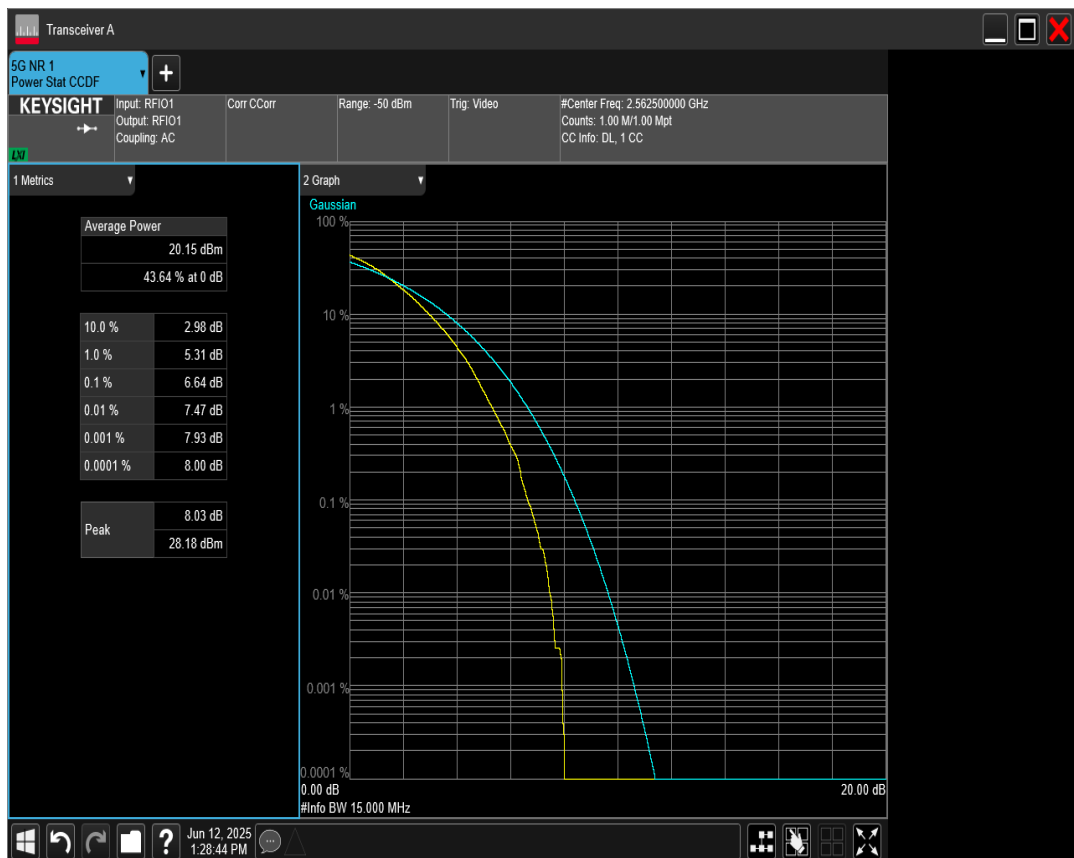
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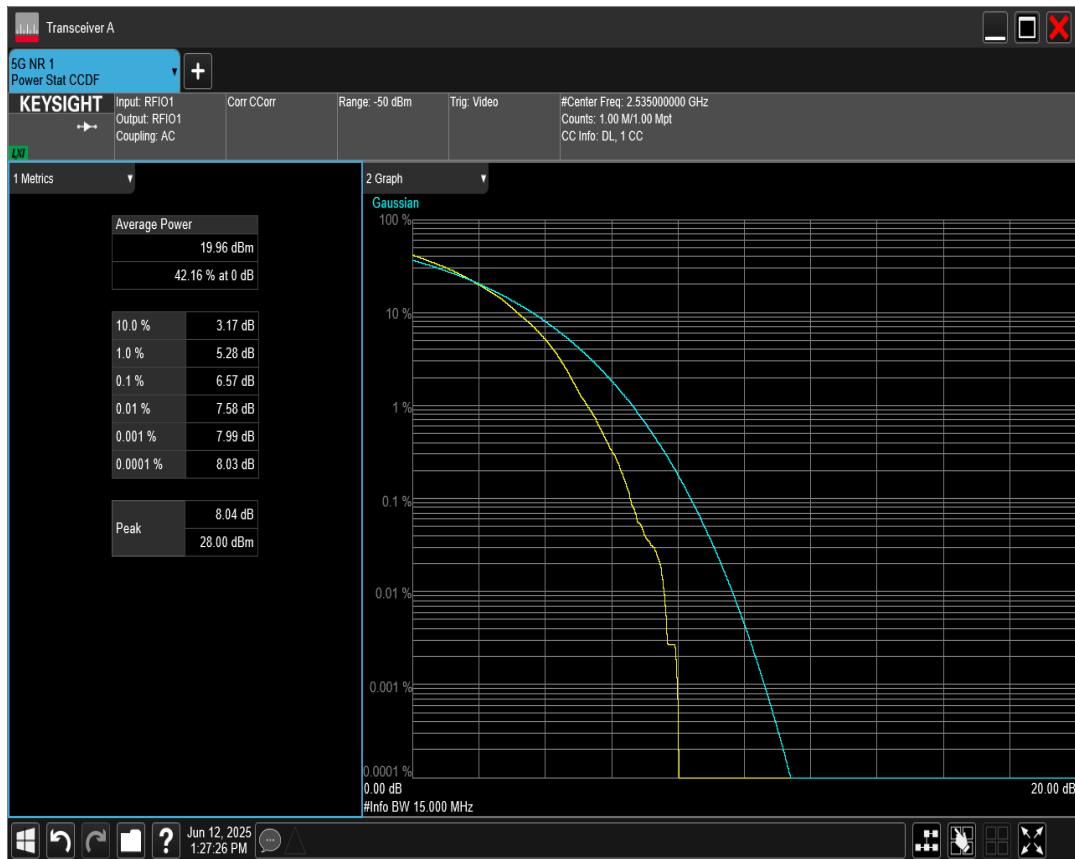
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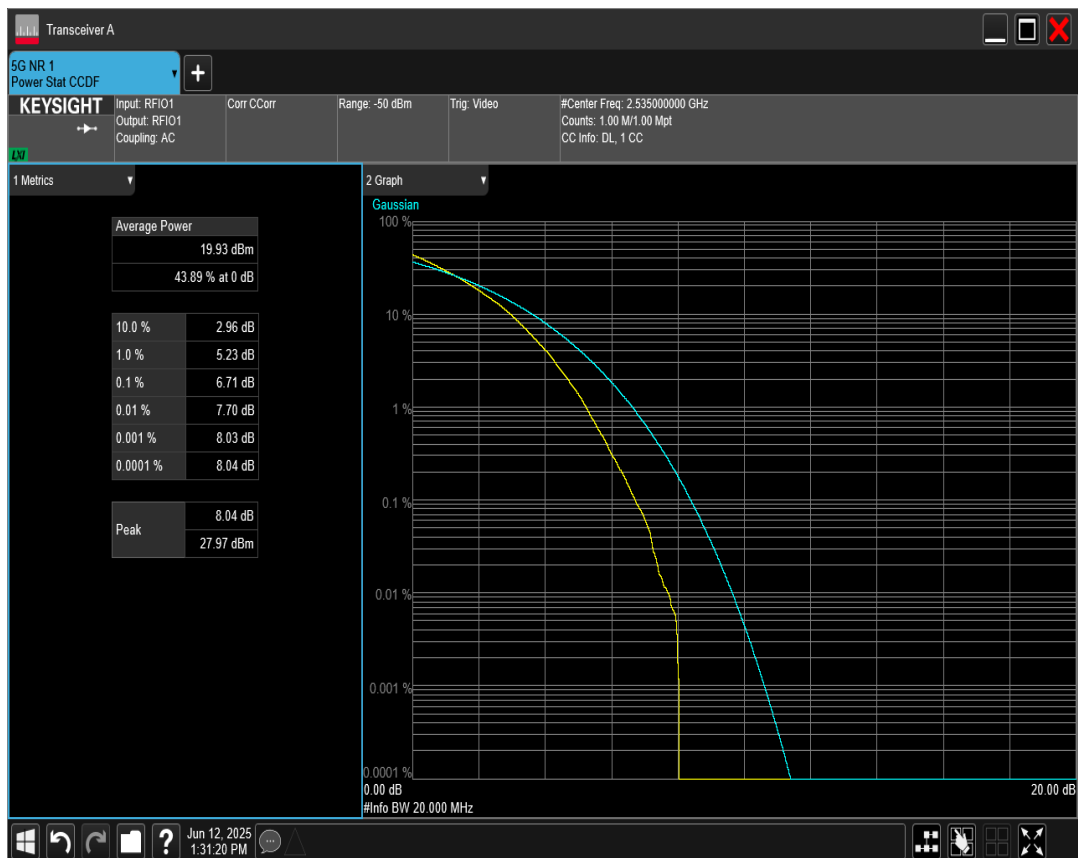
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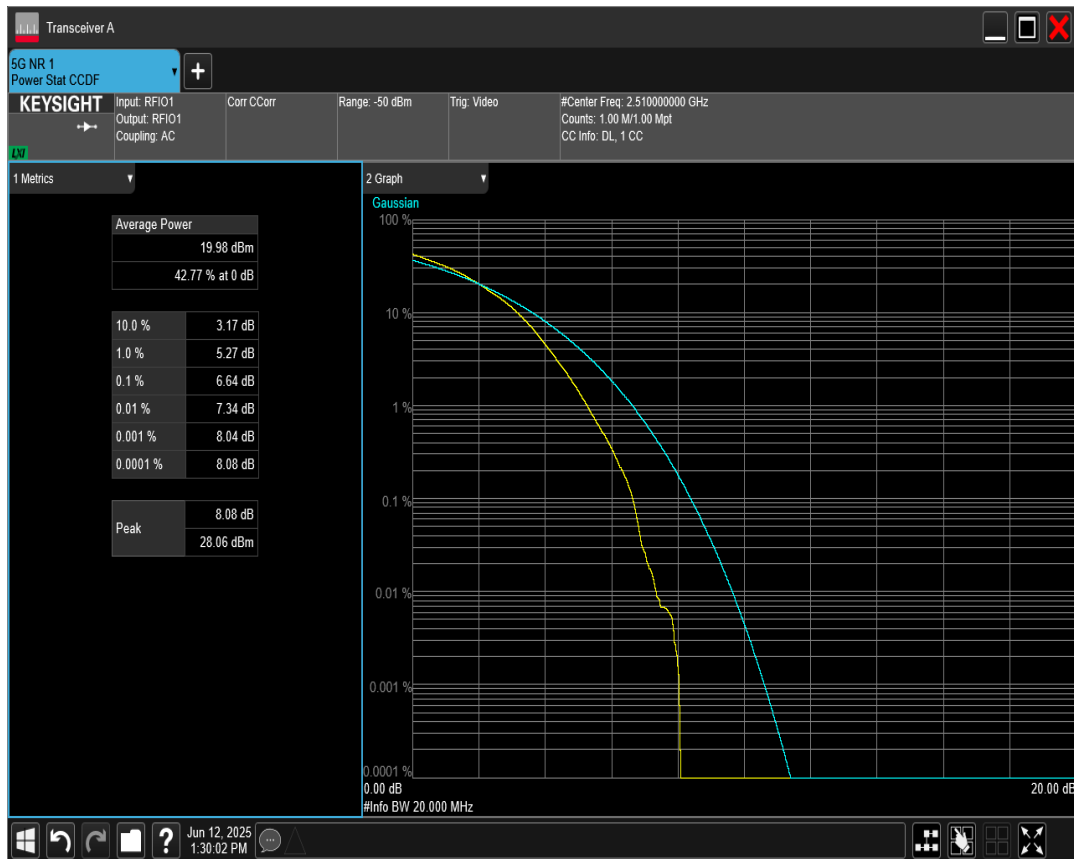
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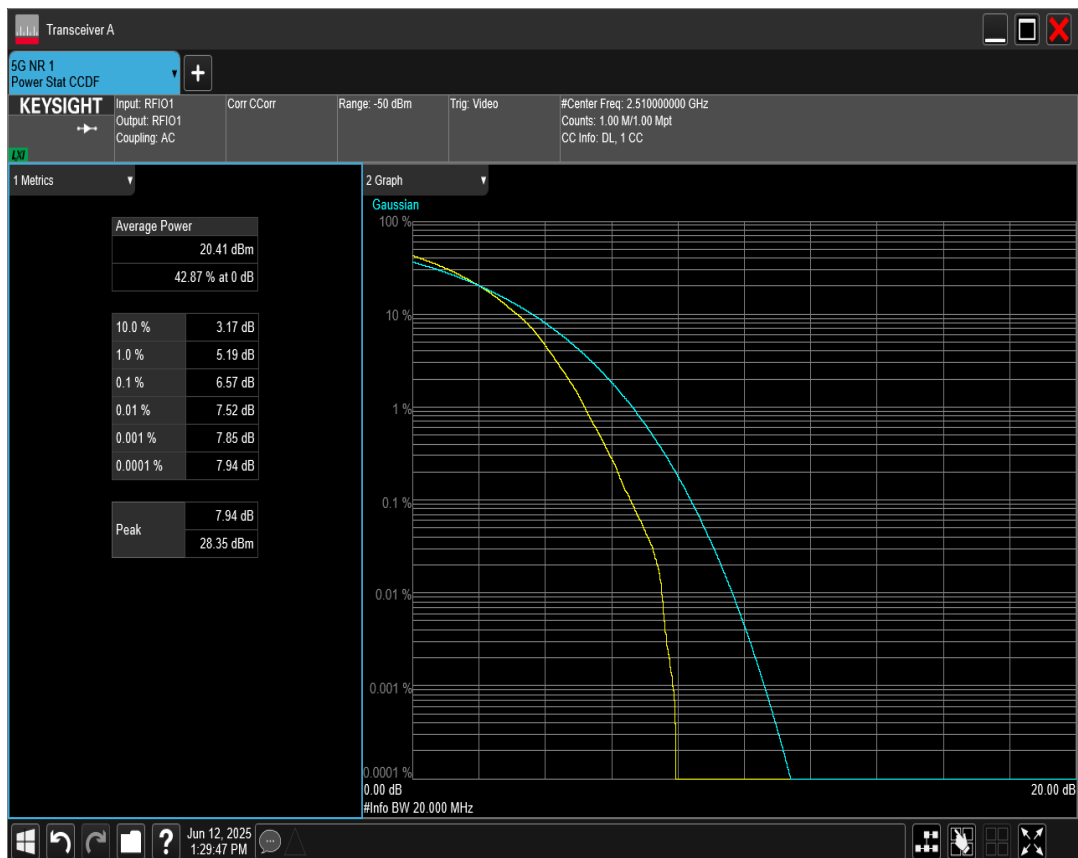
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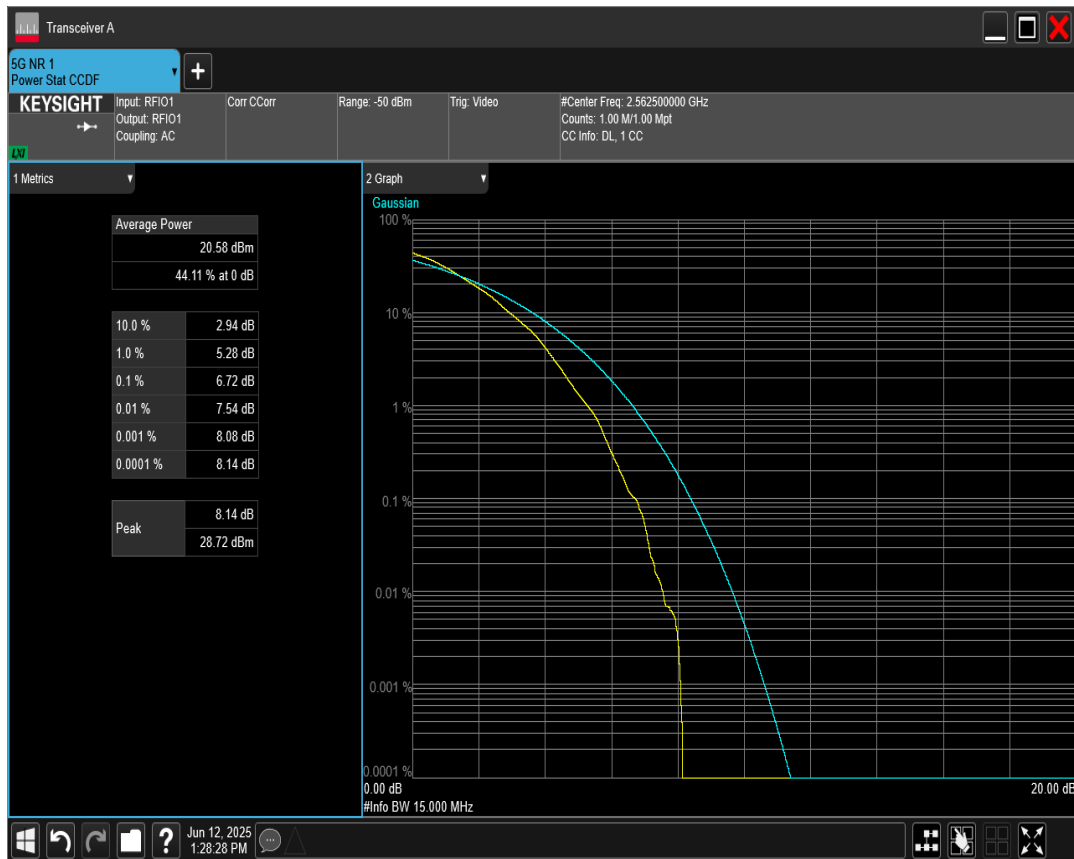
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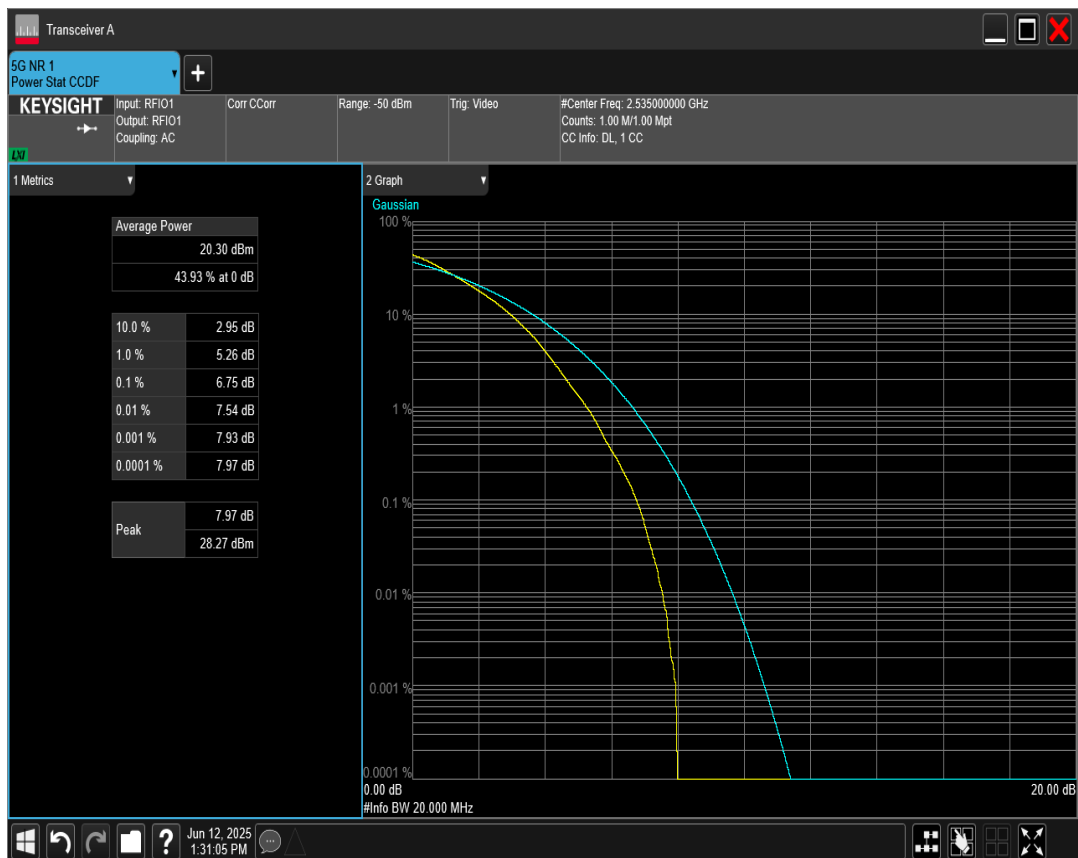
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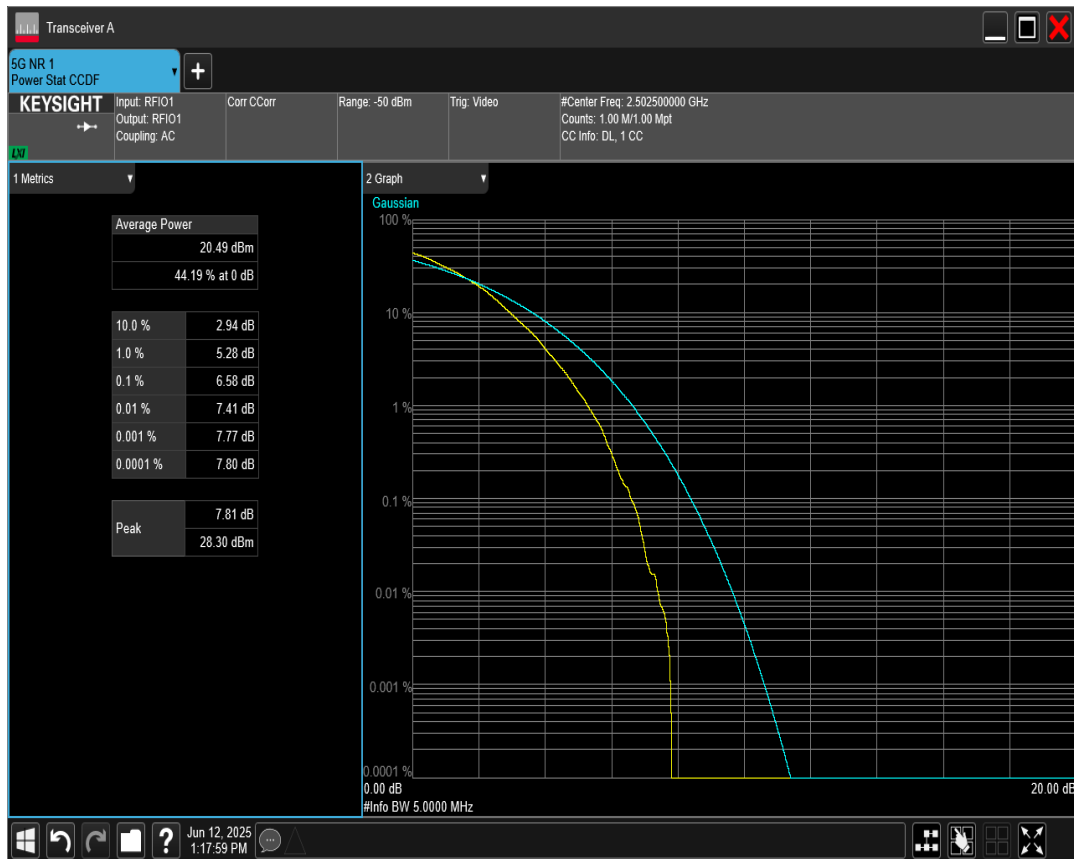
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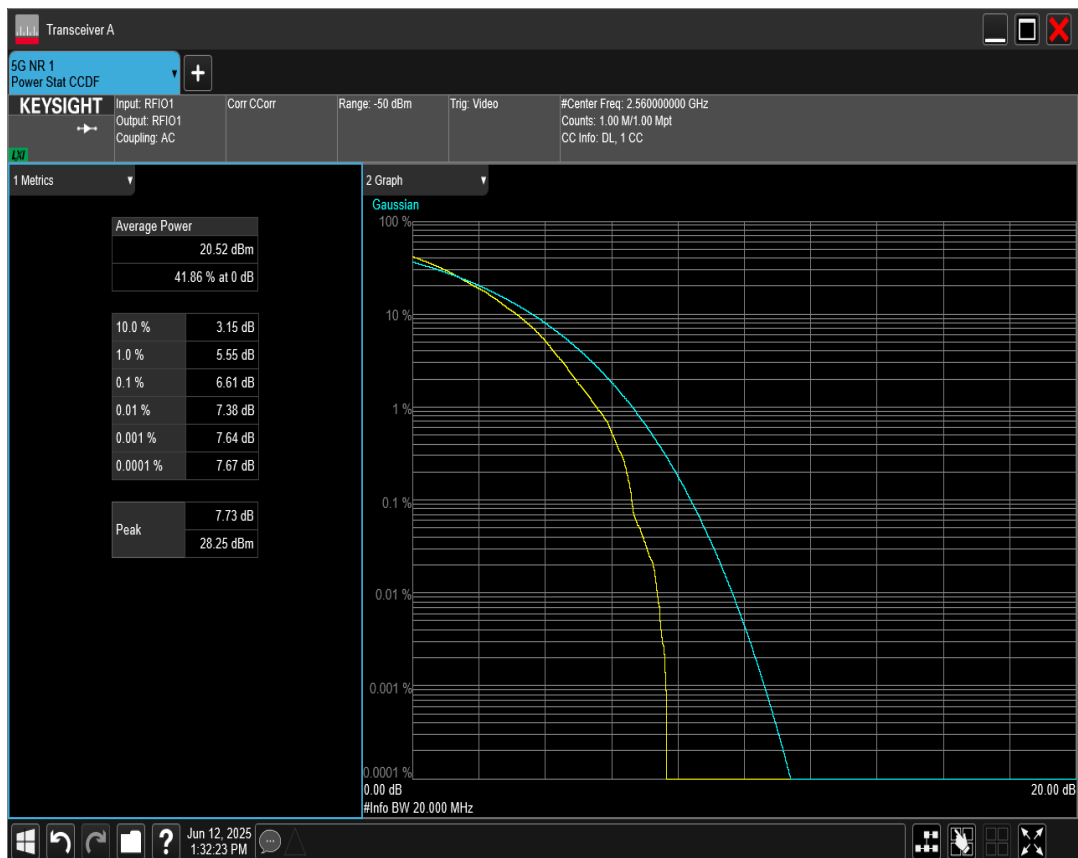
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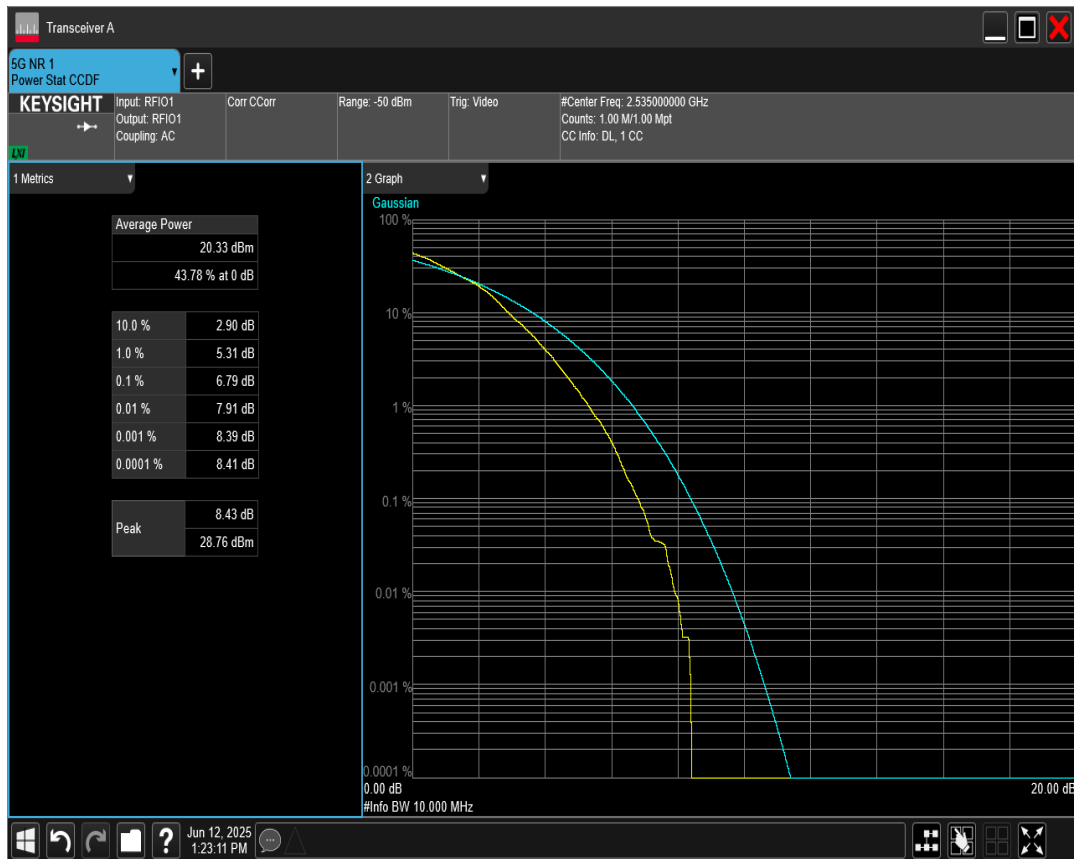
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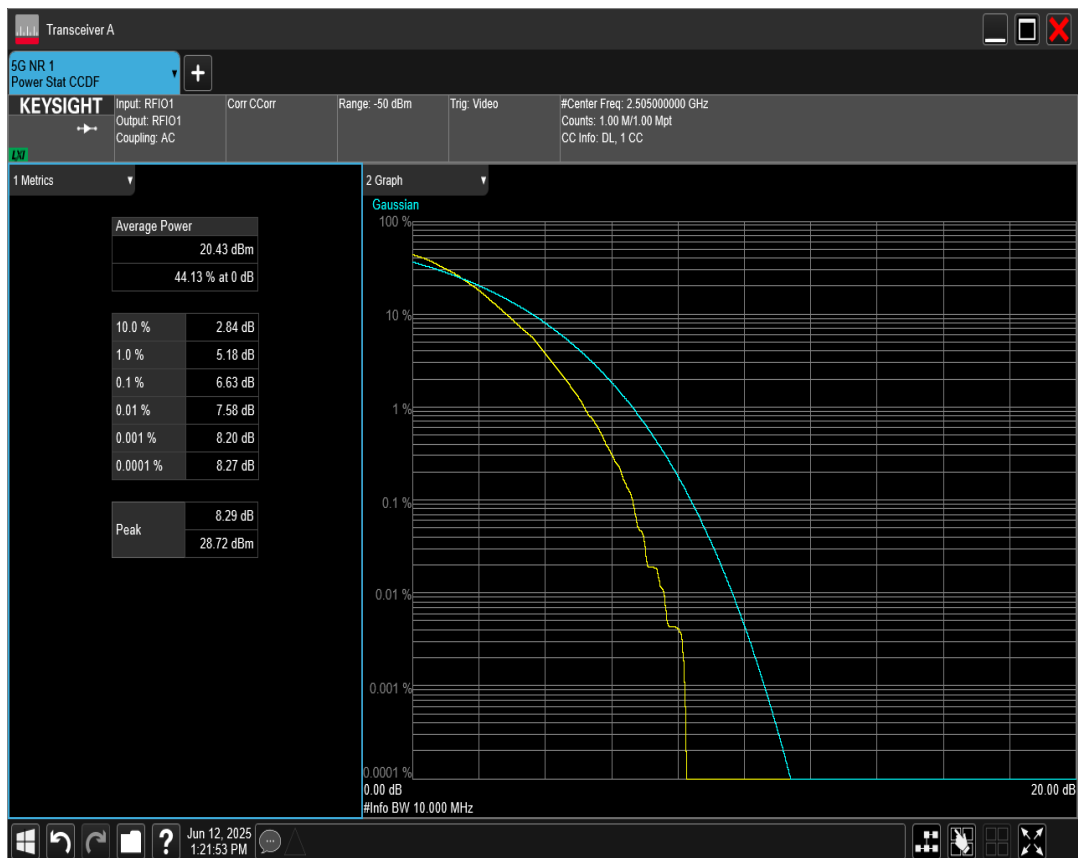
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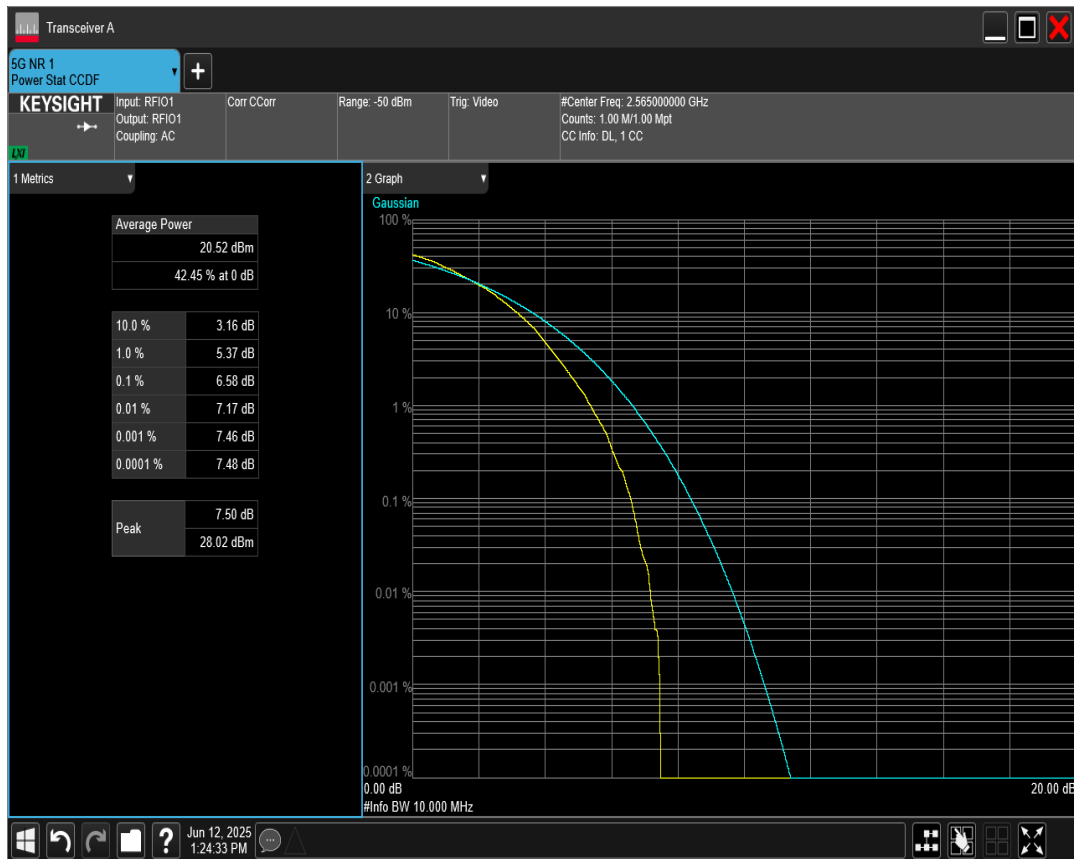
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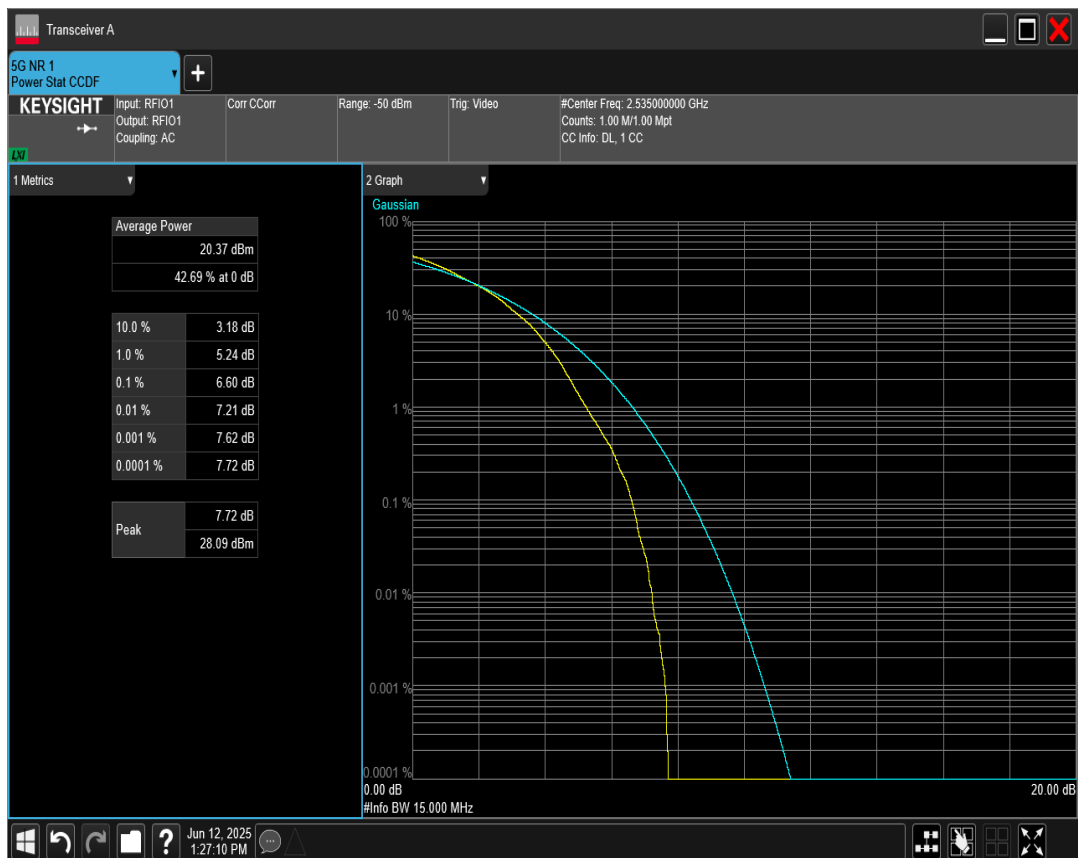
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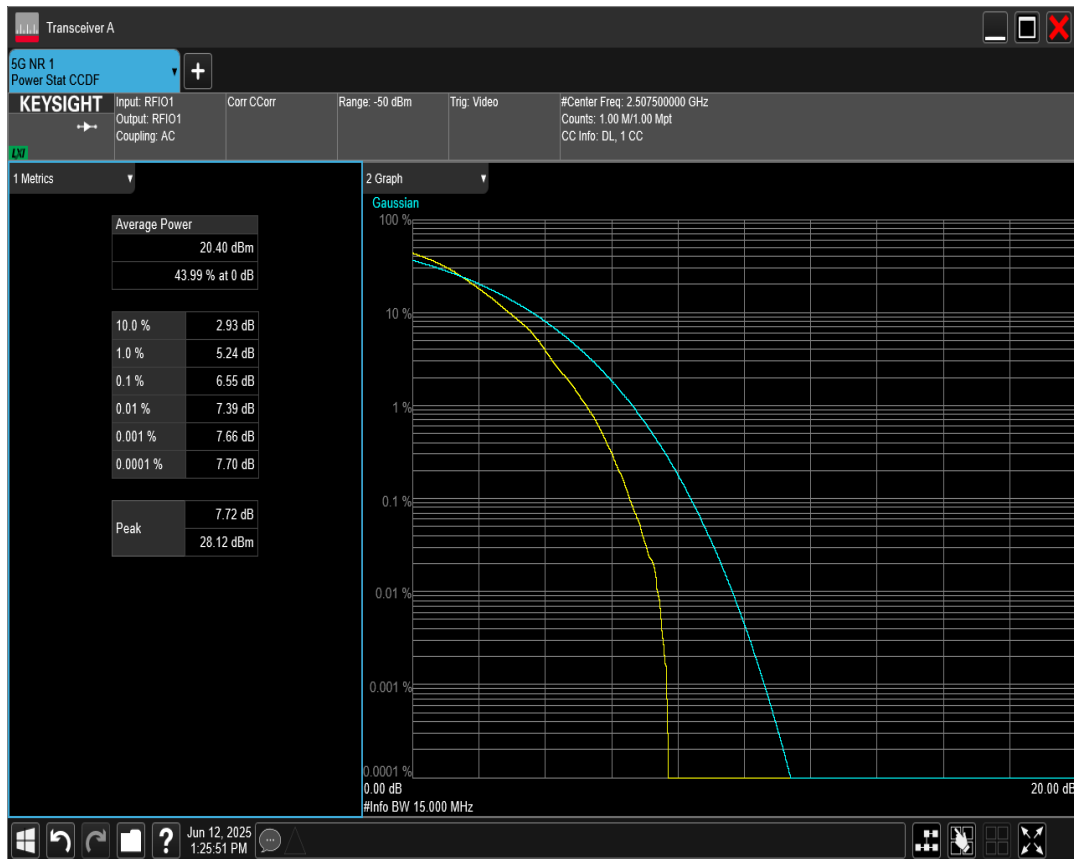
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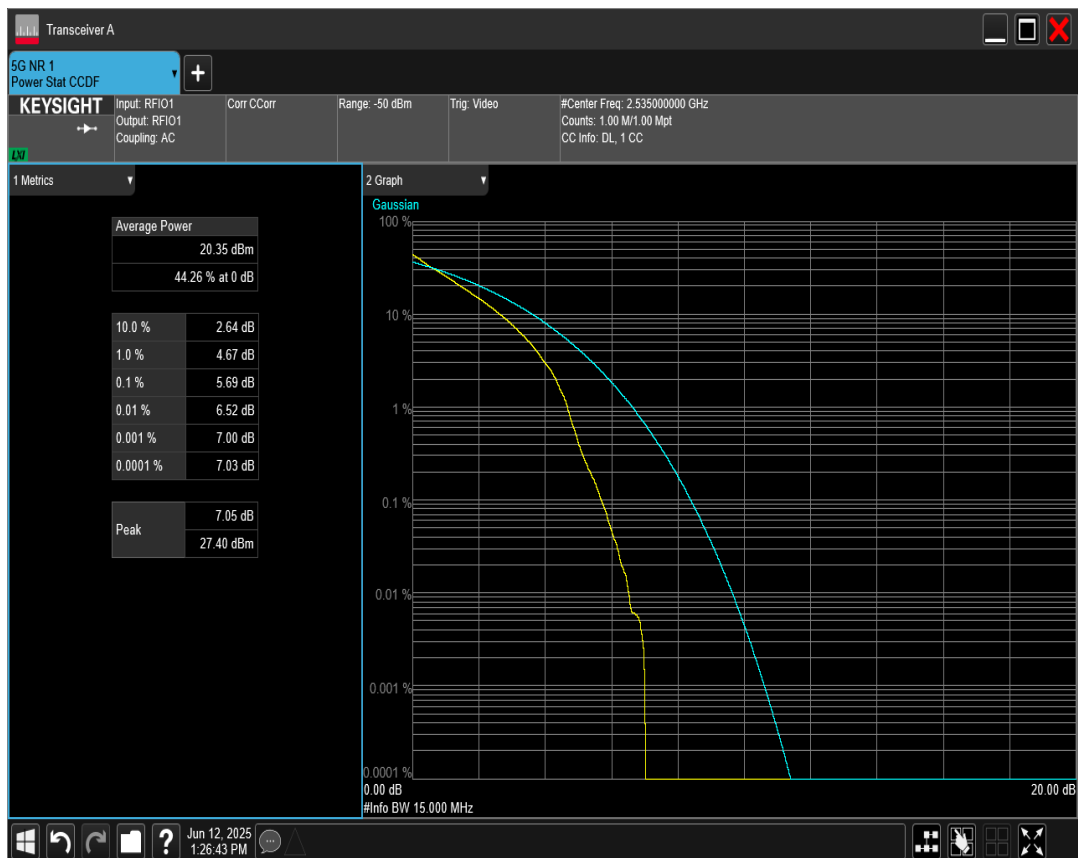
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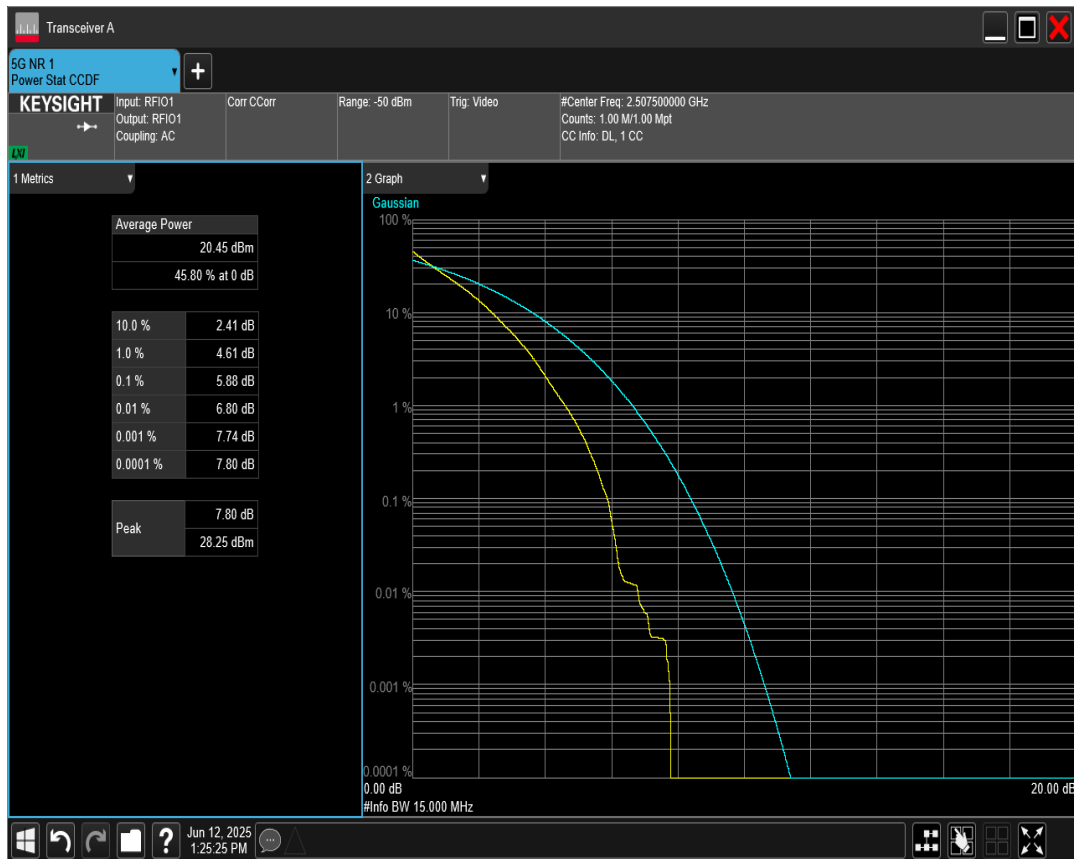
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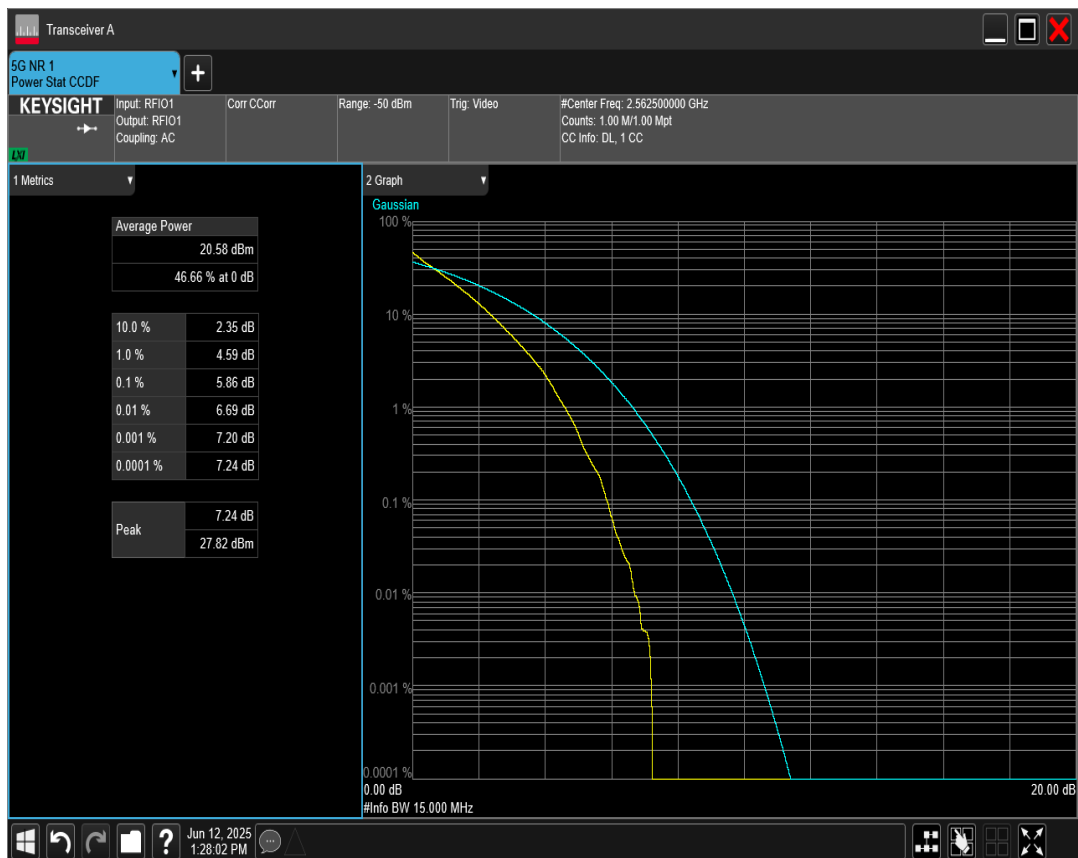
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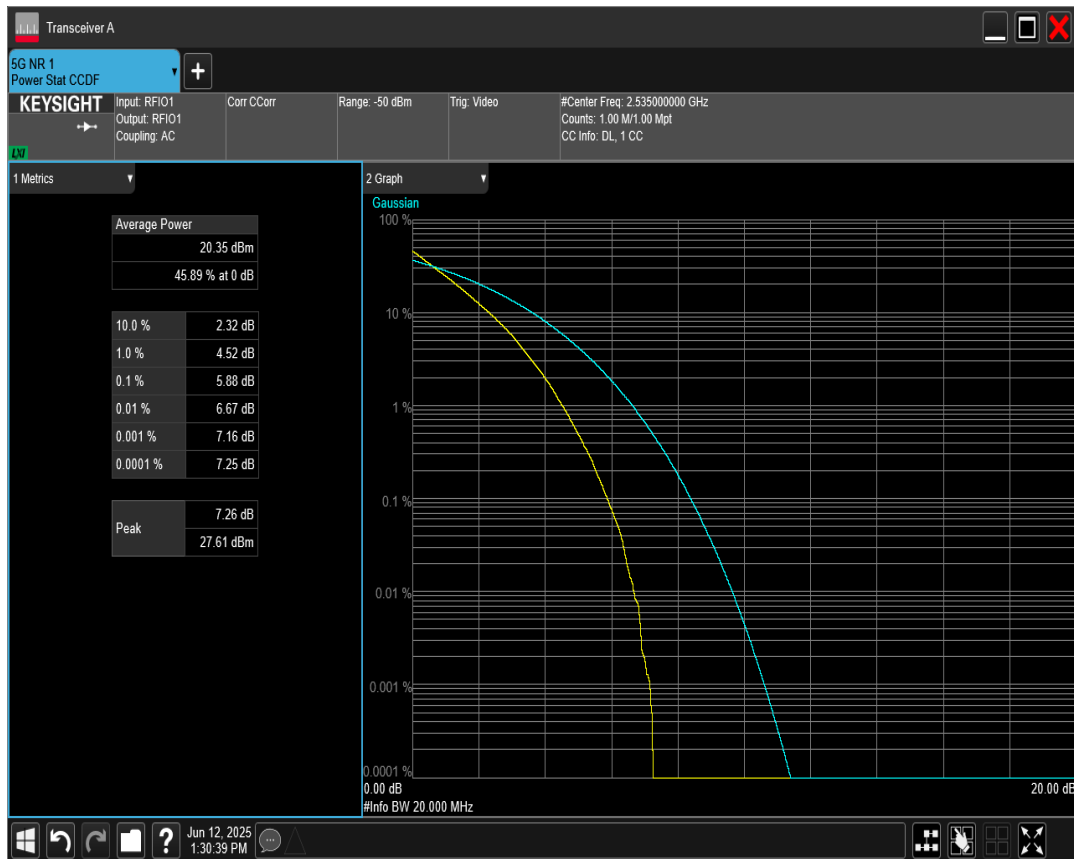
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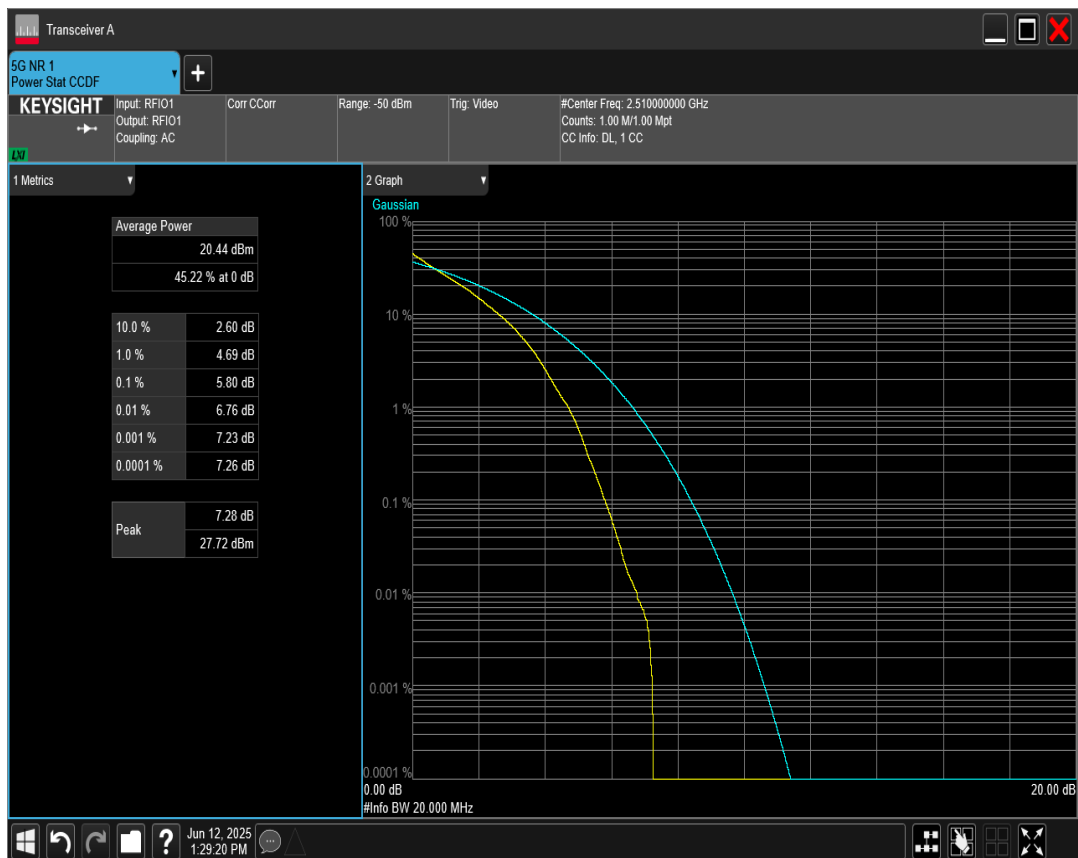
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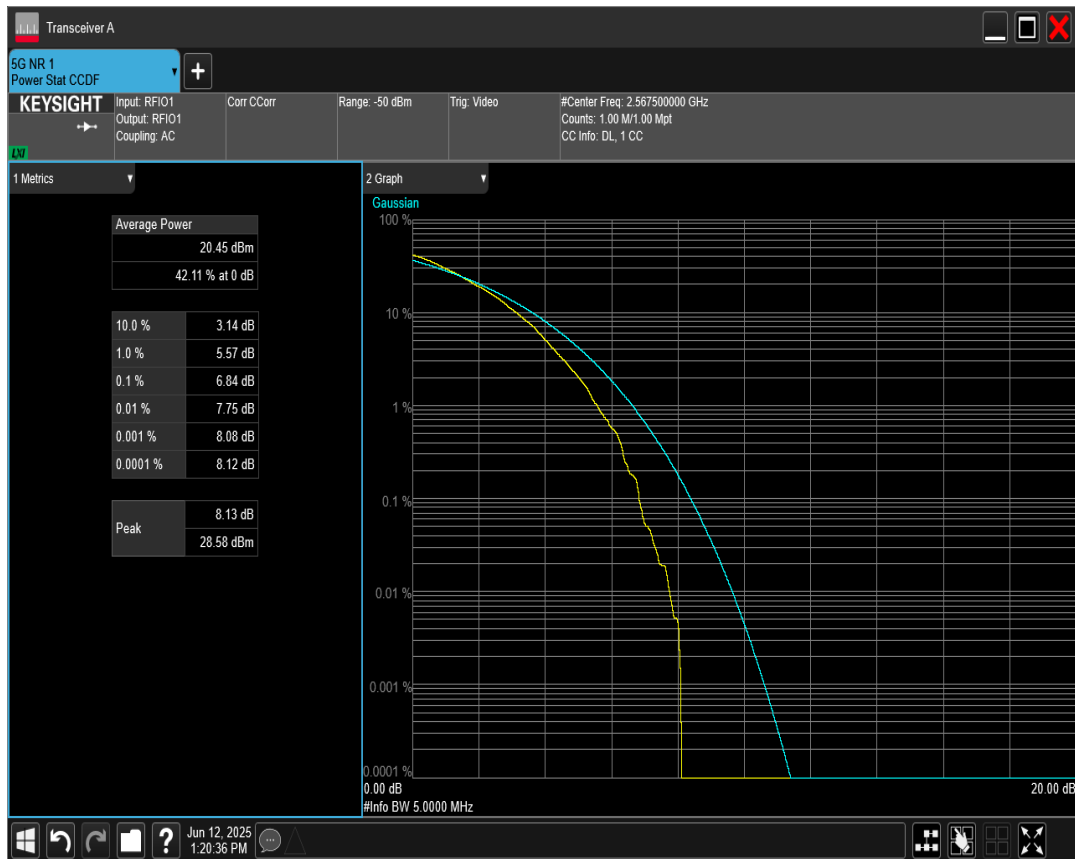
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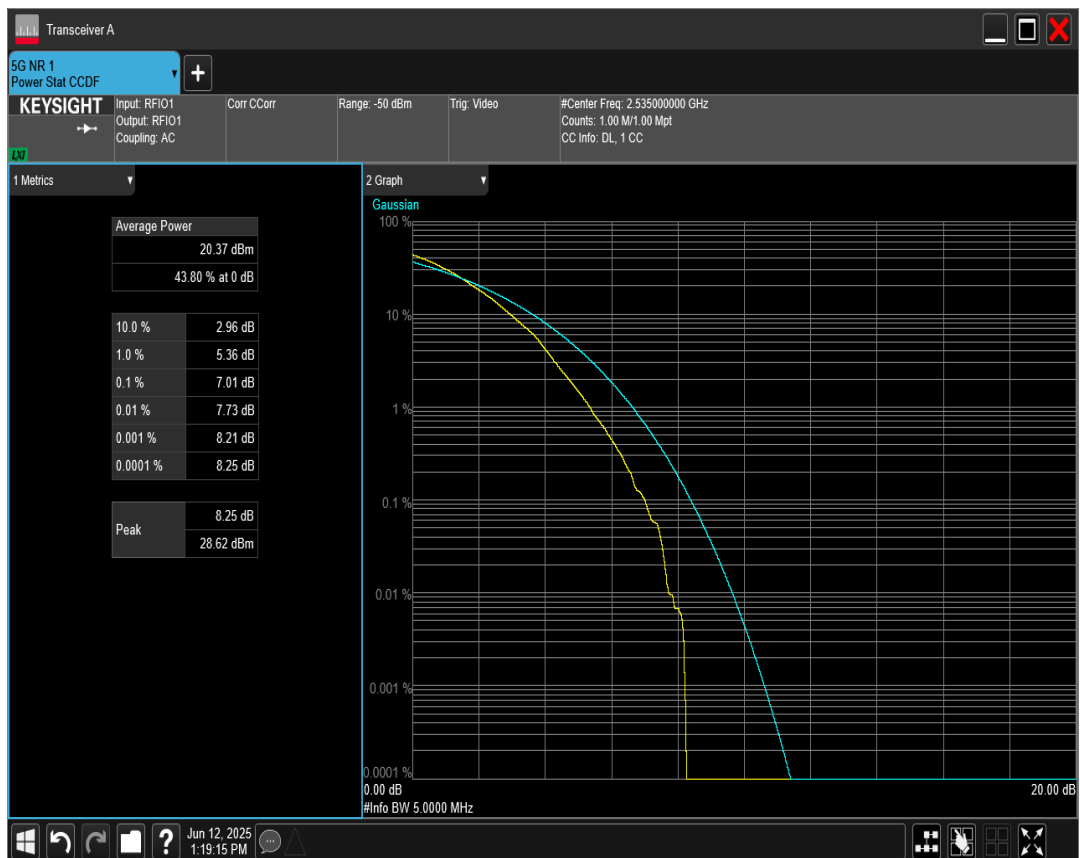
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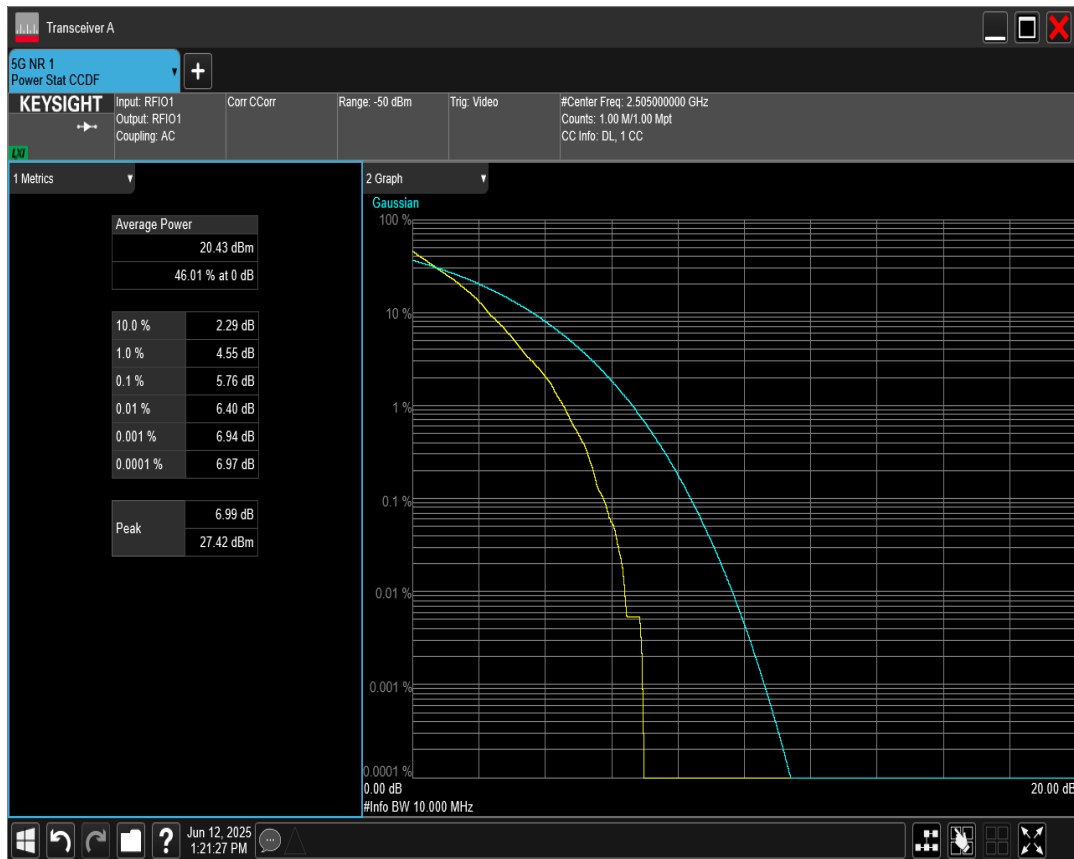
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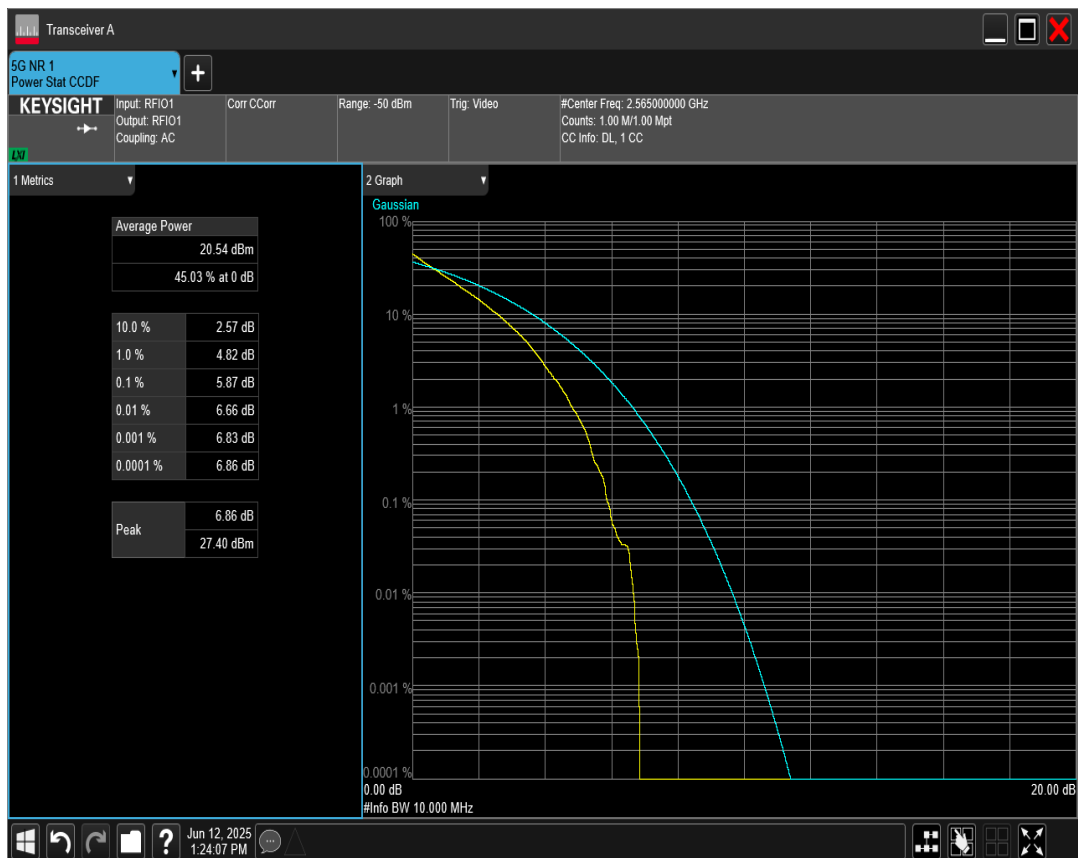
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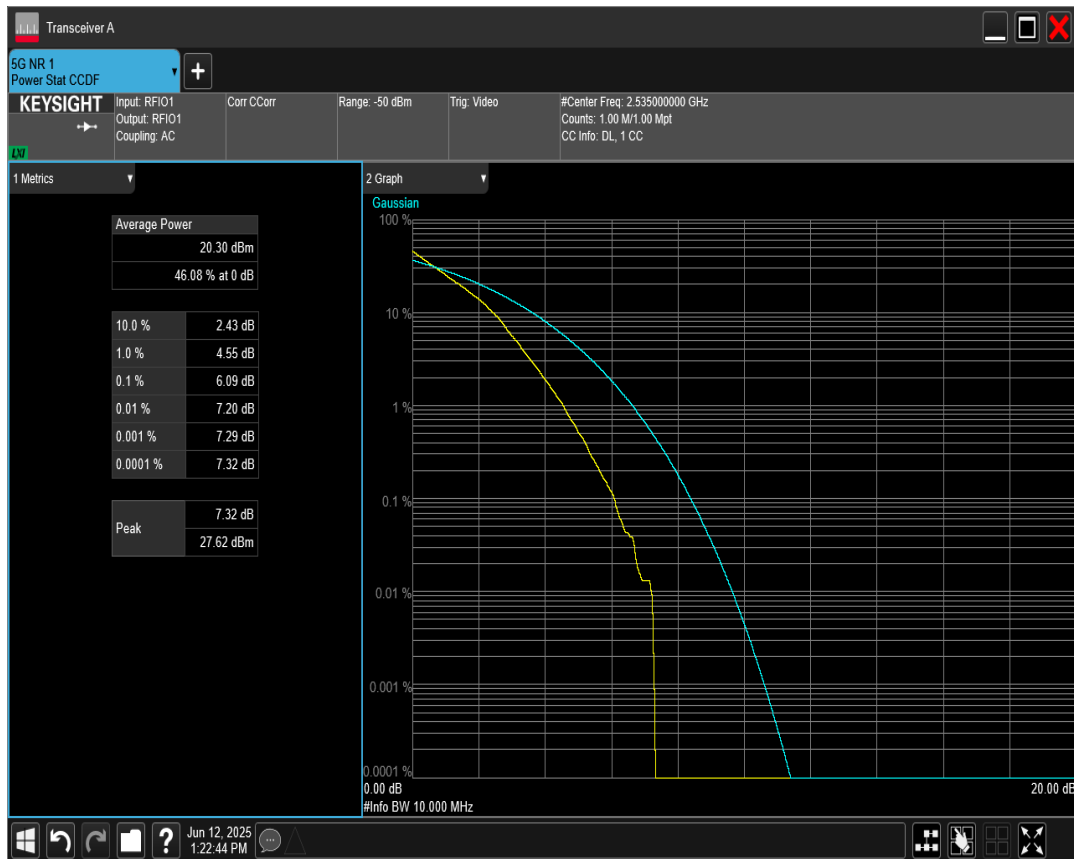
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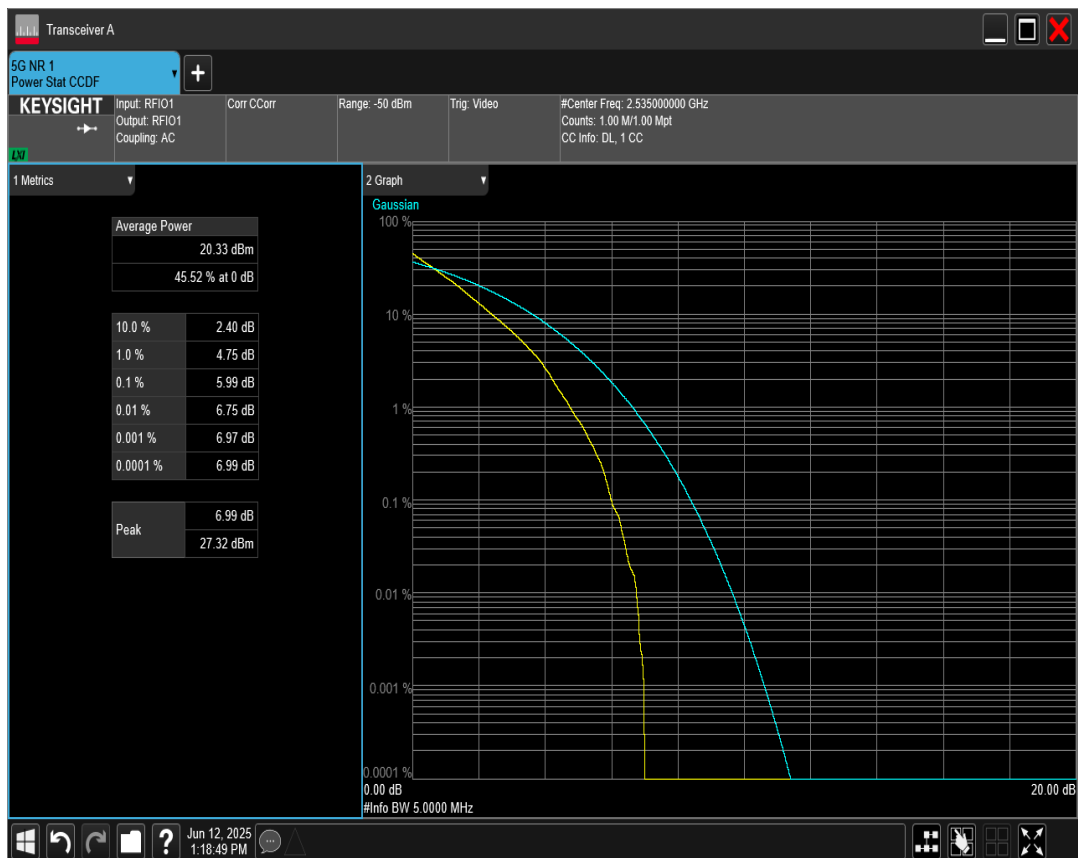
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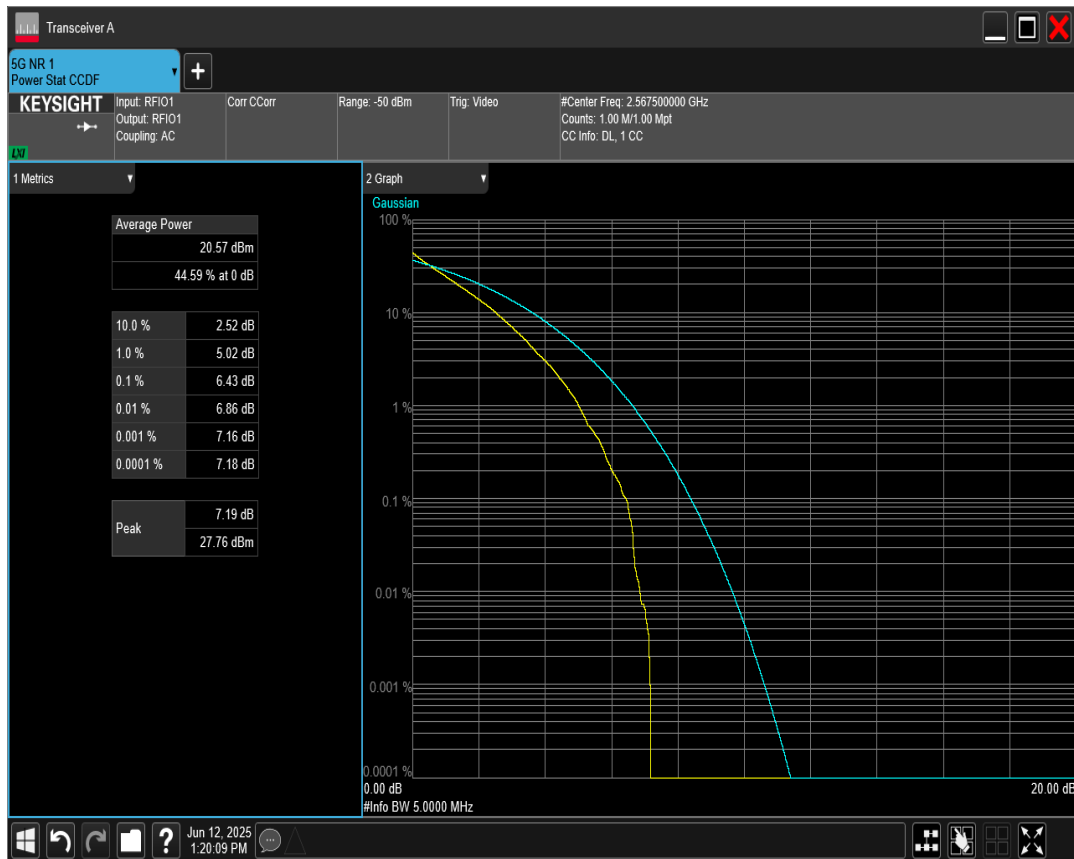
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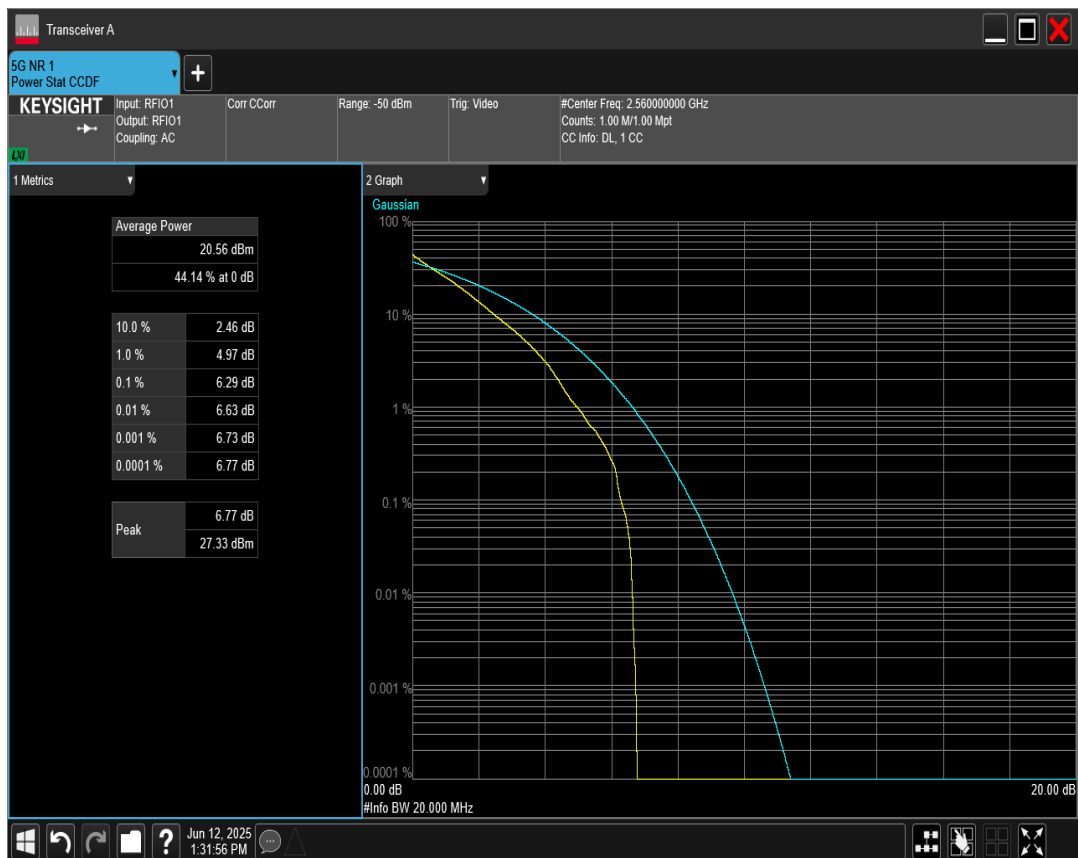
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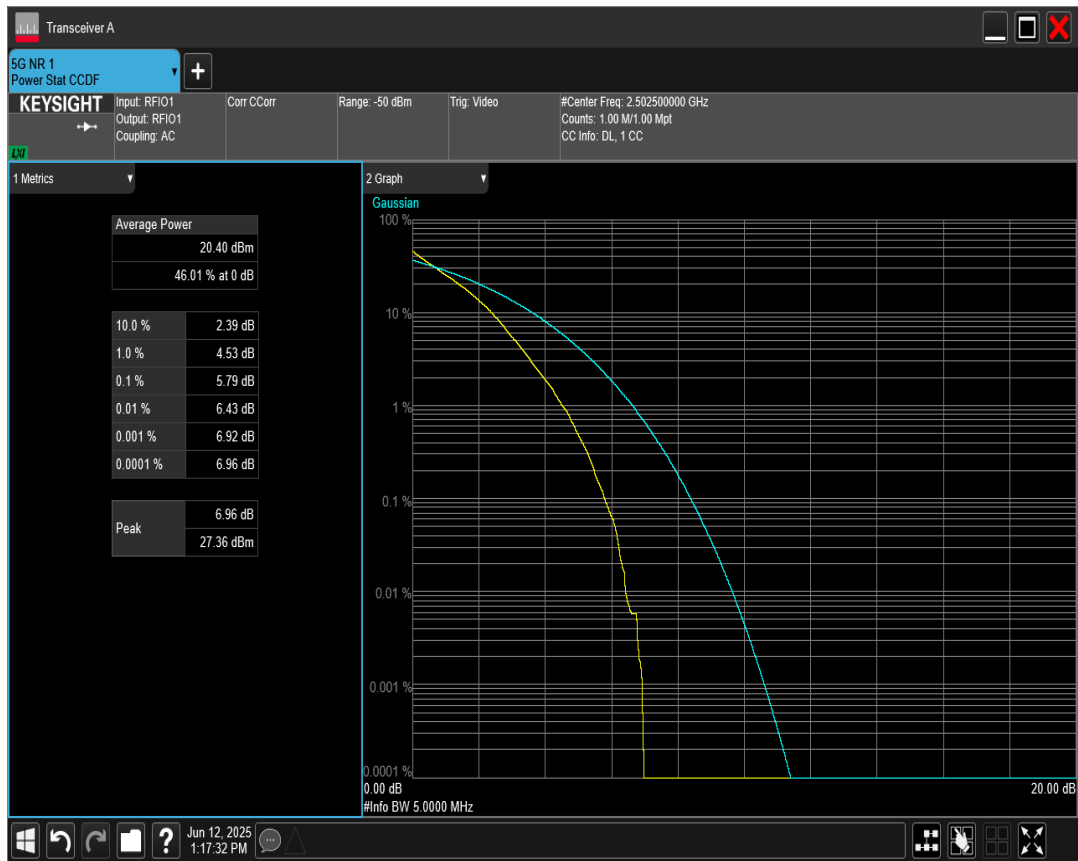
*n7 SCS=15kHz DFT\_QPSK BW=5MHz Channel=513500 RB=25@0*



*n7 SCS=15kHz DFT\_QPSK BW=20MHz Channel=512000 RB=100@0*



*n7 SCS=15kHz DFT\_QPSK BW=5MHz Channel=500500 RB=25@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 |
|------|--------------|--------------------|---------------|------------------|------------|---------------------|-----------------------|---------|
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_BPSK   | 4.470               | 4.630                 | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QPSK   | 4.460               | 4.650                 | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM16  | 4.460               | 4.650                 | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM64  | 4.470               | 4.630                 | PASS    |
| n7   | 15           | 5                  | 507000        | 25@0             | DFT_QAM256 | 4.460               | 4.630                 | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_BPSK   | 9.240               | 9.130                 | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QPSK   | 9.200               | 9.100                 | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM16  | 9.260               | 9.160                 | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM64  | 9.200               | 9.100                 | PASS    |
| n7   | 15           | 10                 | 507000        | 50@0             | DFT_QAM256 | 9.180               | 9.160                 | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_BPSK   | 13.980              | 13.650                | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QPSK   | 14.020              | 13.620                | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QAM16  | 13.960              | 13.640                | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QAM64  | 14.020              | 13.600                | PASS    |
| n7   | 15           | 15                 | 507000        | 75@0             | DFT_QAM256 | 13.940              | 13.610                | PASS    |
| n7   | 15           | 20                 | 507000        | 100@0            | DFT_BPSK   | 18.810              | 18.160                | PASS    |
| n7   | 15           | 20                 | 507000        | 100@0            | DFT_QPSK   | 18.730              | 18.120                | PASS    |
| n7   | 15           | 20                 | 507000        | 100@0            | DFT_QAM16  | 18.700              | 18.090                | PASS    |
| n7   | 15           | 20                 | 507000        | 100@0            | DFT_QAM64  | 18.780              | 18.130                | PASS    |
| n7   | 15           | 20                 | 507000        | 100@0            | DFT_QAM256 | 18.710              | 18.140                | PASS    |

**n7 SCS=15kHz DFT\_BPSK BW=15MHz Channel=507000 RB=75@0**



**n7 SCS=15kHz DFT\_BPSK BW=10MHz Channel=507000 RB=50@0**



**n7 SCS=15kHz DFT\_QAM256 BW=10MHz Channel=507000 RB=50@0**



**n7 SCS=15kHz DFT\_QAM16 BW=5MHz Channel=507000 RB=25@0**



**n7 SCS=15kHz DFT\_QAM256 BW=15MHz Channel=507000 RB=75@0**



**n7 SCS=15kHz DFT\_QAM256 BW=5MHz Channel=507000 RB=25@0**



**n7 SCS=15kHz DFT\_QAM256 BW=20MHz Channel=507000 RB=100@0**



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**n7 SCS=15kHz DFT\_BPSK BW=20MHz Channel=507000 RB=100@0**



**n7 SCS=15kHz DFT\_QAM16 BW=10MHz Channel=507000 RB=50@0**



**n7 SCS=15kHz DFT\_QAM16 BW=20MHz Channel=507000 RB=100@0**



***n7 SCS=15kHz DFT\_QAM16 BW=15MHz Channel=507000 RB=75@0***



***n7 SCS=15kHz DFT\_QAM64 BW=15MHz Channel=507000 RB=75@0***



**n7 SCS=15kHz DFT\_QAM64 BW=10MHz Channel=507000 RB=50@0**



**n7 SCS=15kHz DFT\_QPSK BW=15MHz Channel=507000 RB=75@0**



***n7 SCS=15kHz DFT\_QPSK BW=20MHz Channel=507000 RB=100@0***



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***n7 SCS=15kHz DFT\_QAM64 BW=5MHz Channel=507000 RB=25@0***



**n7 SCS=15kHz DFT\_QPSK BW=5MHz Channel=507000 RB=25@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> |
|-------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|--------------------------------|---------------------------------|------------------------|----------------|
| n7          | 15                   | 5                          | 500500                | 25@0                     | CP_QPSK           | 2499.00                        | -22.48                          | -10                    | PASS           |
| n7          | 15                   | 5                          | 500500                | 1@0                      | CP_QPSK           | 2499.00                        | -10.43                          | -10                    | PASS           |
| n7          | 15                   | 5                          | 500500                | 1@24                     | CP_QPSK           | 2493.84                        | -40.20                          | -25                    | PASS           |
| n7          | 15                   | 5                          | 513500                | 25@0                     | CP_QPSK           | 2571.00                        | -23.91                          | -10                    | PASS           |
| n7          | 15                   | 5                          | 513500                | 1@0                      | CP_QPSK           | 2576.20                        | -40.34                          | -25                    | PASS           |
| n7          | 15                   | 5                          | 513500                | 1@24                     | CP_QPSK           | 2571.01                        | -11.22                          | -10                    | PASS           |
| n7          | 15                   | 15                         | 501500                | 79@0                     | CP_QPSK           | 2489.99                        | -38.51                          | -25                    | PASS           |
| n7          | 15                   | 15                         | 501500                | 1@0                      | CP_QPSK           | 2498.99                        | -15.59                          | -10                    | PASS           |
| n7          | 15                   | 15                         | 501500                | 1@78                     | CP_QPSK           | 2489.21                        | -40.33                          | -25                    | PASS           |
| n7          | 15                   | 15                         | 512500                | 79@0                     | CP_QPSK           | 2585.59                        | -40.24                          | -25                    | PASS           |
| n7          | 15                   | 15                         | 512500                | 1@0                      | CP_QPSK           | 2585.53                        | -40.24                          | -25                    | PASS           |
| n7          | 15                   | 15                         | 512500                | 1@78                     | CP_QPSK           | 2571.00                        | -17.04                          | -10                    | PASS           |
| n7          | 15                   | 20                         | 502000                | 106@0                    | CP_QPSK           | 2489.93                        | -38.67                          | -25                    | PASS           |
| n7          | 15                   | 20                         | 502000                | 1@0                      | CP_QPSK           | 2499.00                        | -18.97                          | -10                    | PASS           |
| n7          | 15                   | 20                         | 502000                | 1@105                    | CP_QPSK           | 2480.61                        | -40.31                          | -25                    | PASS           |
| n7          | 15                   | 20                         | 512000                | 106@0                    | CP_QPSK           | 2592.83                        | -40.16                          | -25                    | PASS           |
| n7          | 15                   | 20                         | 512000                | 1@0                      | CP_QPSK           | 2592.07                        | -40.08                          | -25                    | PASS           |
| n7          | 15                   | 20                         | 512000                | 1@105                    | CP_QPSK           | 2571.01                        | -20.37                          | -10                    | PASS           |

**n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=512500 RB=1@78**