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# 1 Conducted output power for EN-DC

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Power (dBm) | Low Limit (dBm) | high Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band4 | 15 | 5 | 19975 | 1@0 | QPSK | 4.88 | | | |
| n7 | 15 | 5 | 500500 | 1@0 | DFT_BPSK | 21.00 | | | |
| Sum | 15 | | | | | 21.10 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20175 | 8@0 | QPSK | 5.45 | | | |
| n7 | 15 | 5 | 507000 | 12@6 | DFT_BPSK | 21.37 | | | |
| Sum | 15 | | | | | 21.47 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20175 | 8@0 | QPSK | 5.50 | | | |
| n7 | 15 | 5 | 507000 | 12@6 | DFT_QPSK | 21.35 | | | |
| Sum | 15 | | | | | 21.46 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20375 | 1@17 | QPSK | 5.86 | | | |
| n7 | 15 | 5 | 513500 | 1@24 | DFT_BPSK | 21.18 | | | |
| Sum | 15 | | | | | 21.30 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20375 | 8@17 | QPSK | 5.96 | | | |
| n7 | 15 | 5 | 513500 | 12@6 | DFT_BPSK | 21.11 | | | |
| Sum | 15 | | | | | 21.24 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20375 | 1@17 | QPSK | 5.91 | | | |
| n7 | 15 | 5 | 513500 | 1@24 | DFT_QPSK | 21.09 | | | |
| Sum | 15 | | | | | 21.21 | 19 | 26 | PASS |
| Band4 | 15 | 5 | 20375 | 8@17 | QPSK | 5.98 | | | |
| n7 | 15 | 5 | 513500 | 12@6 | DFT_QPSK | 21.04 | | | |
| Sum | 15 | | | | | 21.17 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20050 | 1@0 | QPSK | 4.93 | | | |
| n7 | 15 | 20 | 502000 | 1@0 | DFT_BPSK | 20.91 | | | |
| Sum | 15 | | | | | 21.01 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20175 | 18@0 | QPSK | 5.28 | | | |
| n7 | 15 | 20 | 507000 | 50@25 | DFT_BPSK | 21.44 | | | |
| Sum | 15 | | | | | 21.54 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20175 | 18@0 | QPSK | 5.32 | | | |
| n7 | 15 | 20 | 507000 | 50@25 | DFT_QPSK | 21.46 | | | |
| Sum | 15 | | | | | 21.56 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20300 | 1@72 | QPSK | 5.73 | | | |
| n7 | 15 | 20 | 512000 | 1@105 | DFT_BPSK | 21.49 | | | |
| Sum | 15 | | | | | 21.60 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20300 | 18@72 | QPSK | 5.79 | | | |
| n7 | 15 | 20 | 512000 | 50@25 | DFT_BPSK | 21.83 | | | |
| Sum | 15 | | | | | 21.93 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20300 | 1@72 | QPSK | 5.71 | | | |
| n7 | 15 | 20 | 512000 | 1@105 | DFT_QPSK | 21.60 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sum | 15 | | | | | 21.71 | 19 | 26 | PASS |
| Band4 | 15 | 20 | 20300 | 18@72 | QPSK | 5.80 | | | |
| n7 | 15 | 20 | 512000 | 50@25 | DFT_QPSK | 21.88 | | | |
| Sum | 15 | | | | | 21.98 | 19 | 26 | PASS |

# 2 Frequency stability for EN-DC

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result(Hz) | Result (ppm) | Low Limit (ppm) | high Limit (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 |

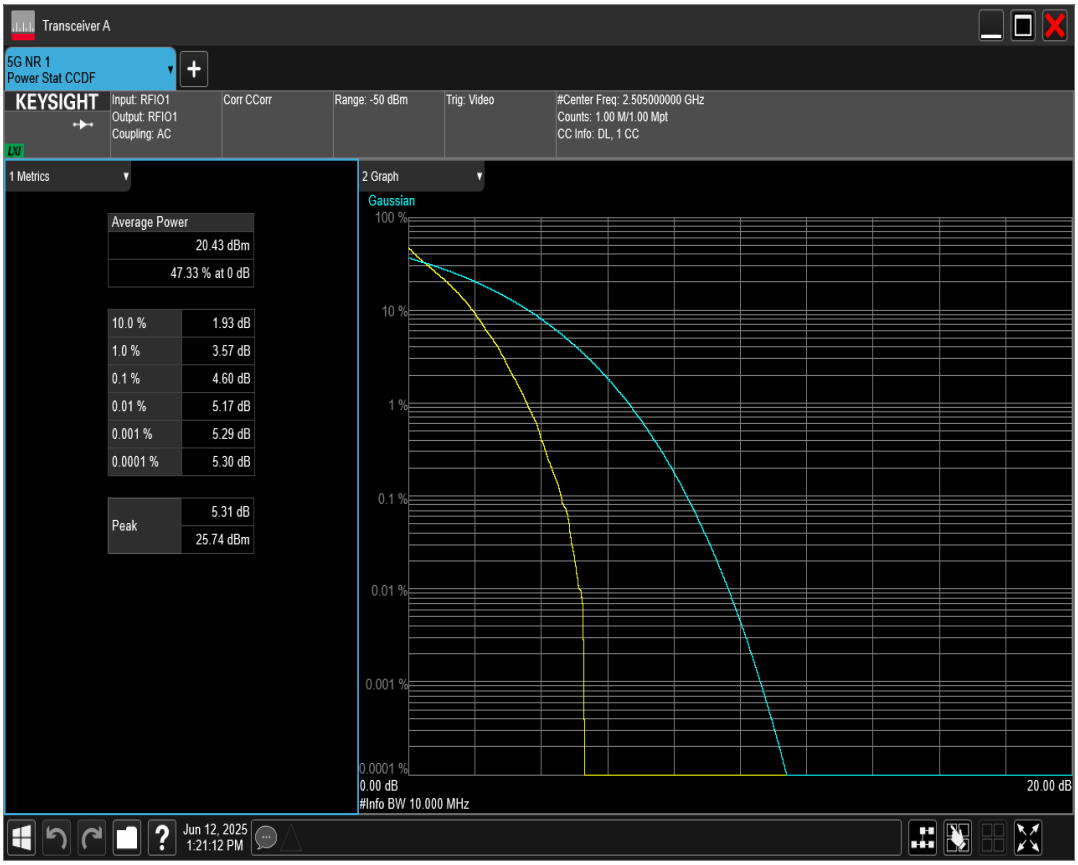
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| n7 | 15 | 20 | 502000 | 50@25 | DFT_QPSK | -1.25 | -0.00050 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 502000 | 1@1 | DFT_QPSK | -0.32 | -0.00013 | -2.5 | 2.5 | PASS |
| n7 | 15 | 20 | 502000 | 1@104 | DFT_QPSK | -0.18 | -0.00007 | -2.5 | 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

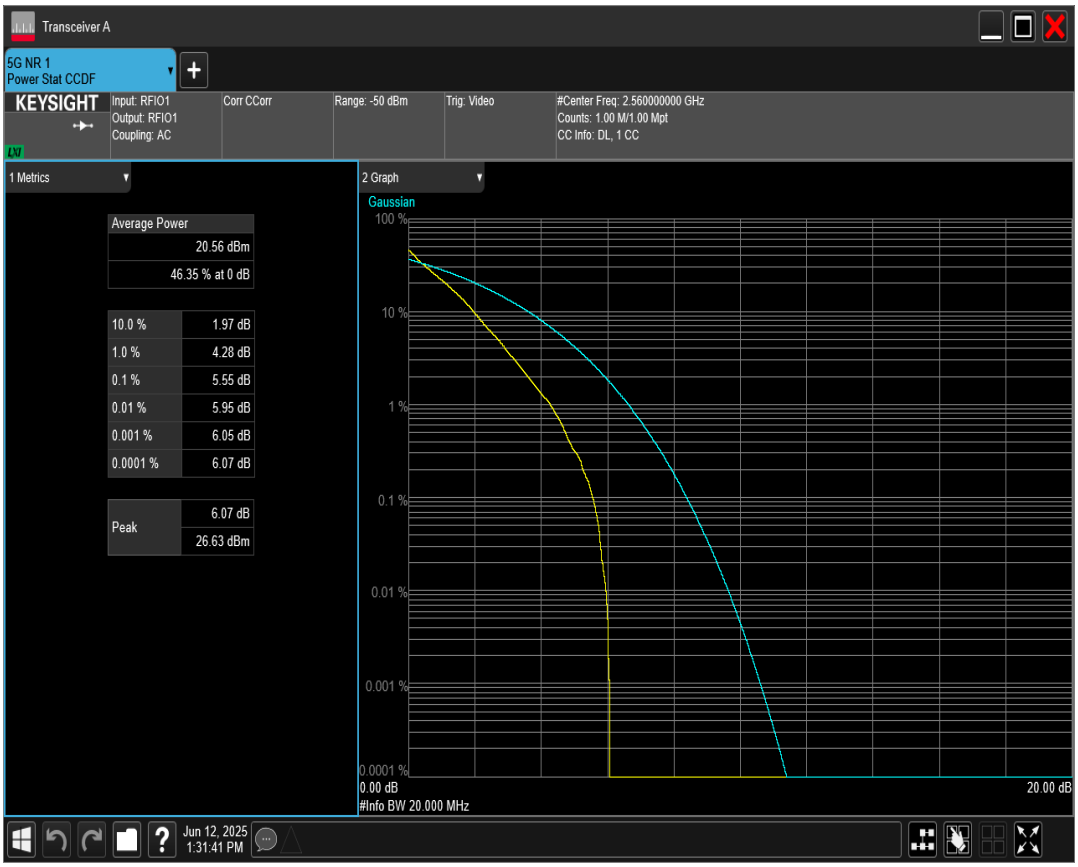
| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result (dB) | high Limit (dB) | Verdict |
|---|---|---|---|---|---|---|---|---|
| n7 | 15 | 5 | 500500 | 25@0 | DFT_BPSK | 4.39 | 13 | PASS |
| n7 | 15 | 5 | 500500 | 25@0 | DFT_QPSK | 5.79 | 13 | PASS |
| n7 | 15 | 5 | 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 |

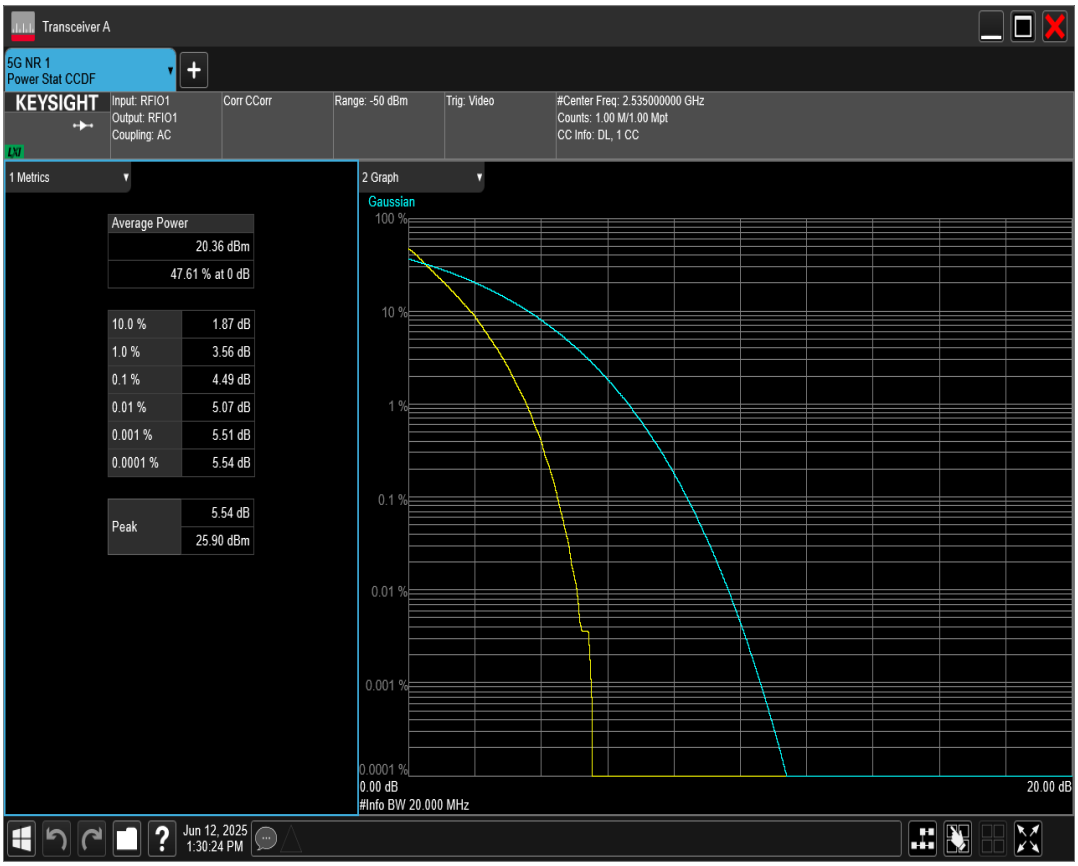
***n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=501000 RB=50@0***



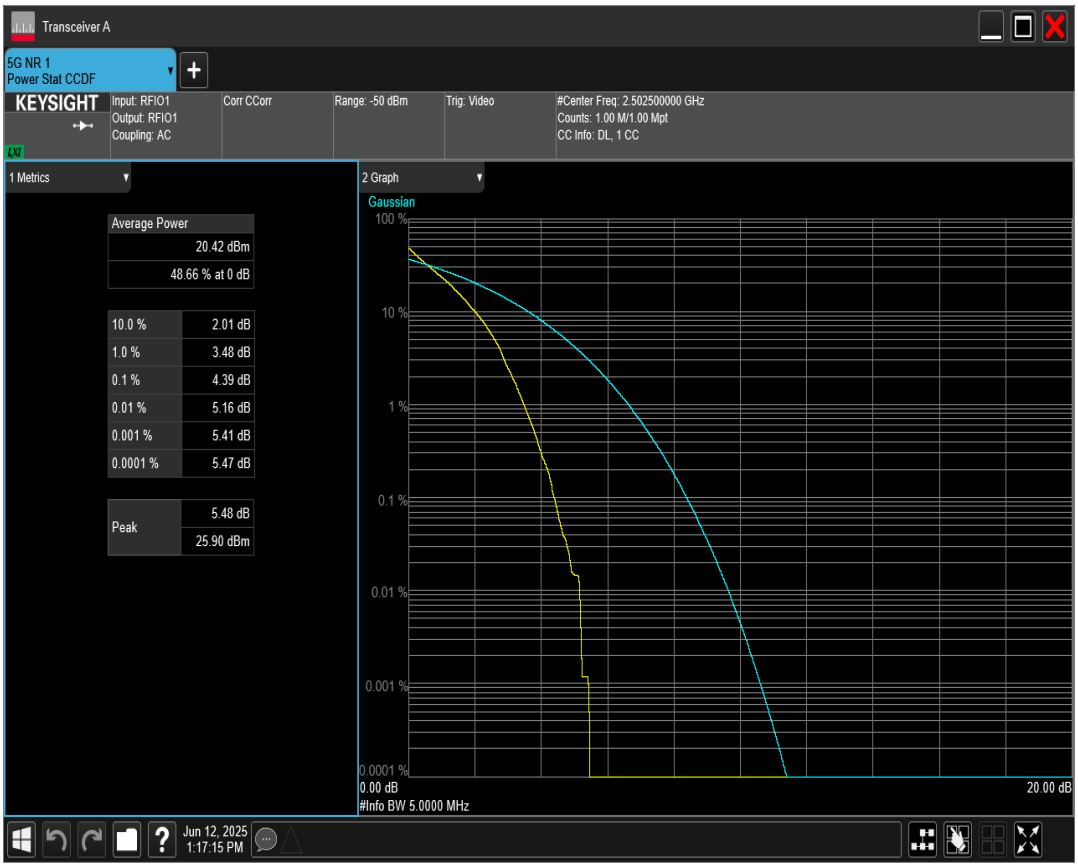

***n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=512000 RB=100@0***



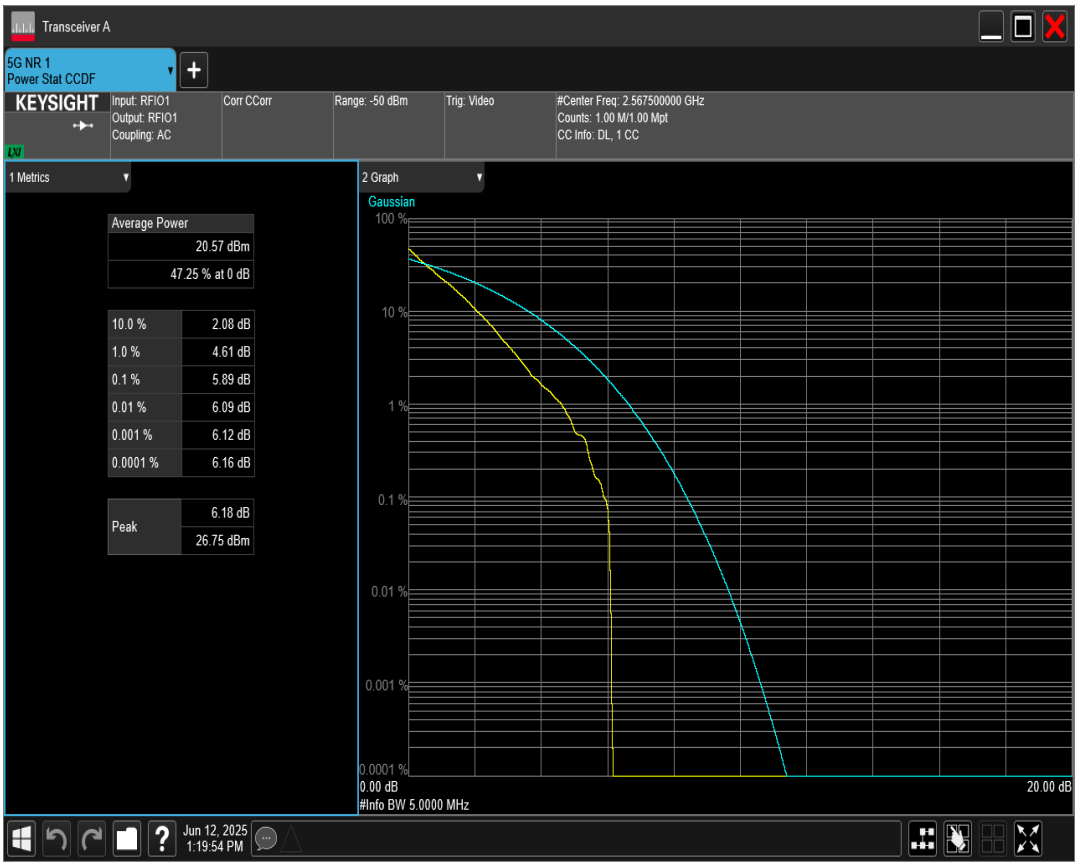

***n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0***



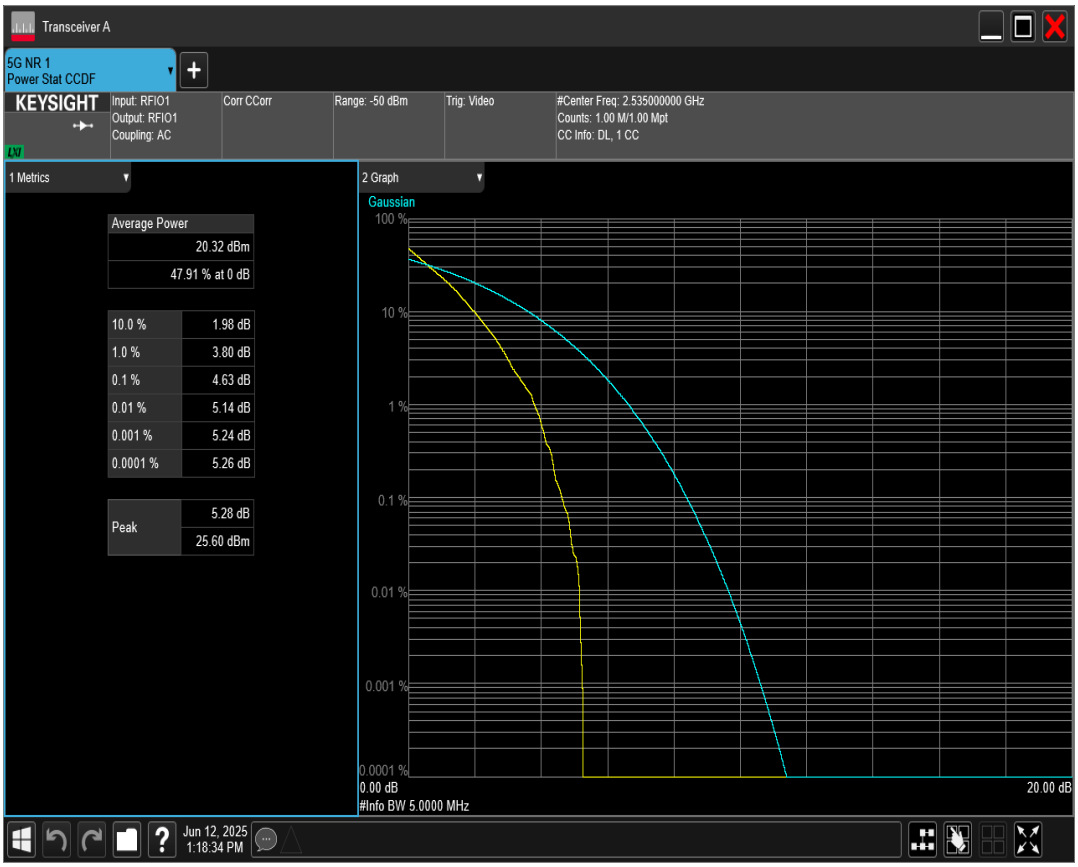

***n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=500500 RB=25@0***



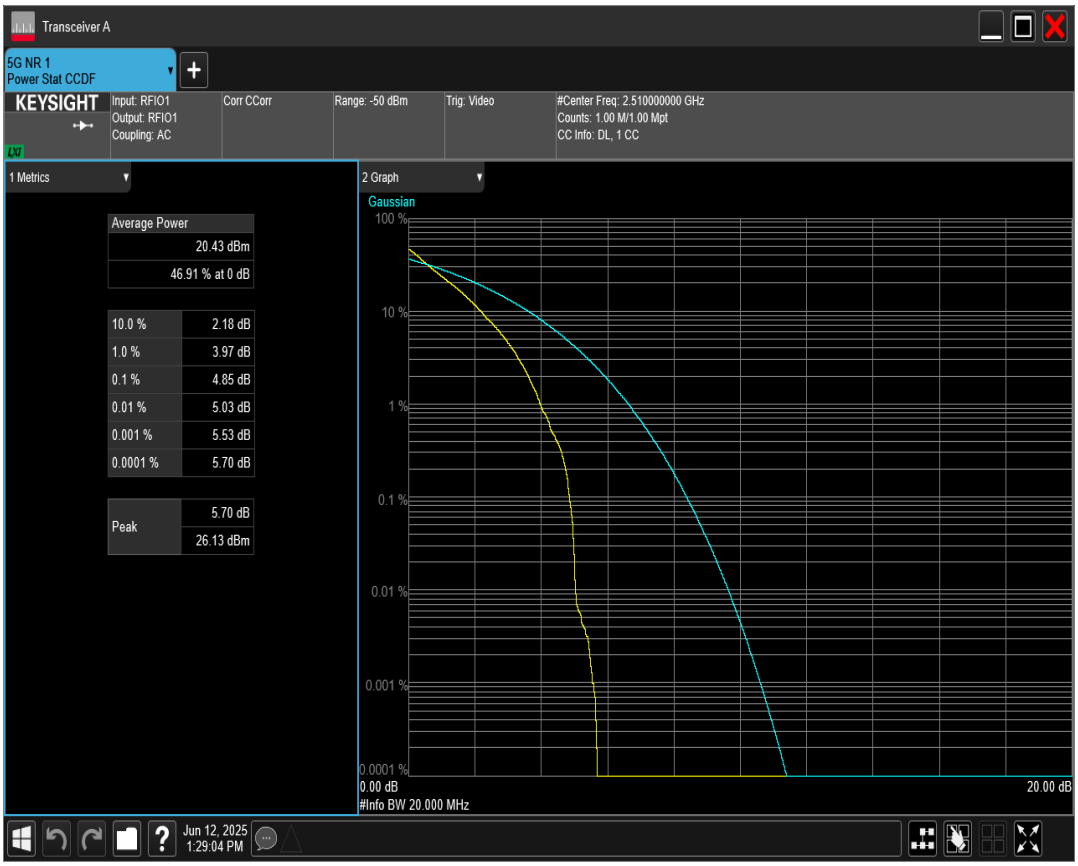

***n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=513500 RB=25@0***



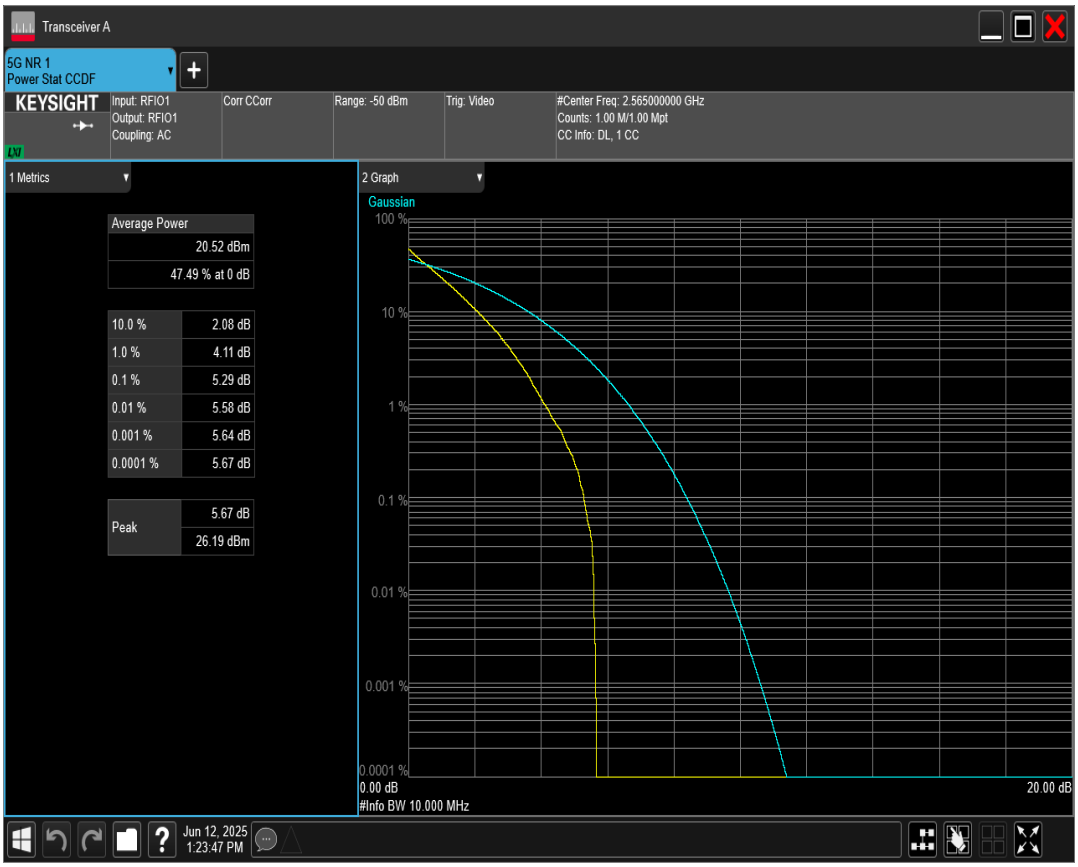

***n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=507000 RB=25@0***



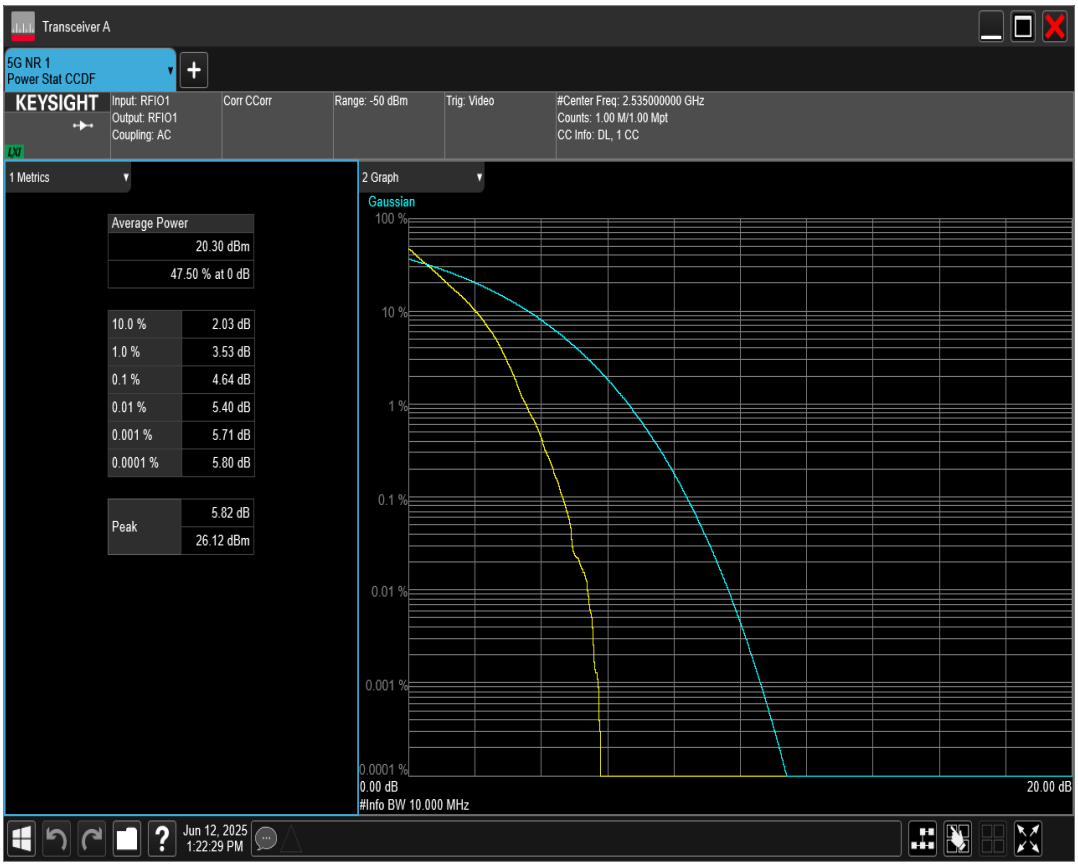

***n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=502000 RB=100@0***



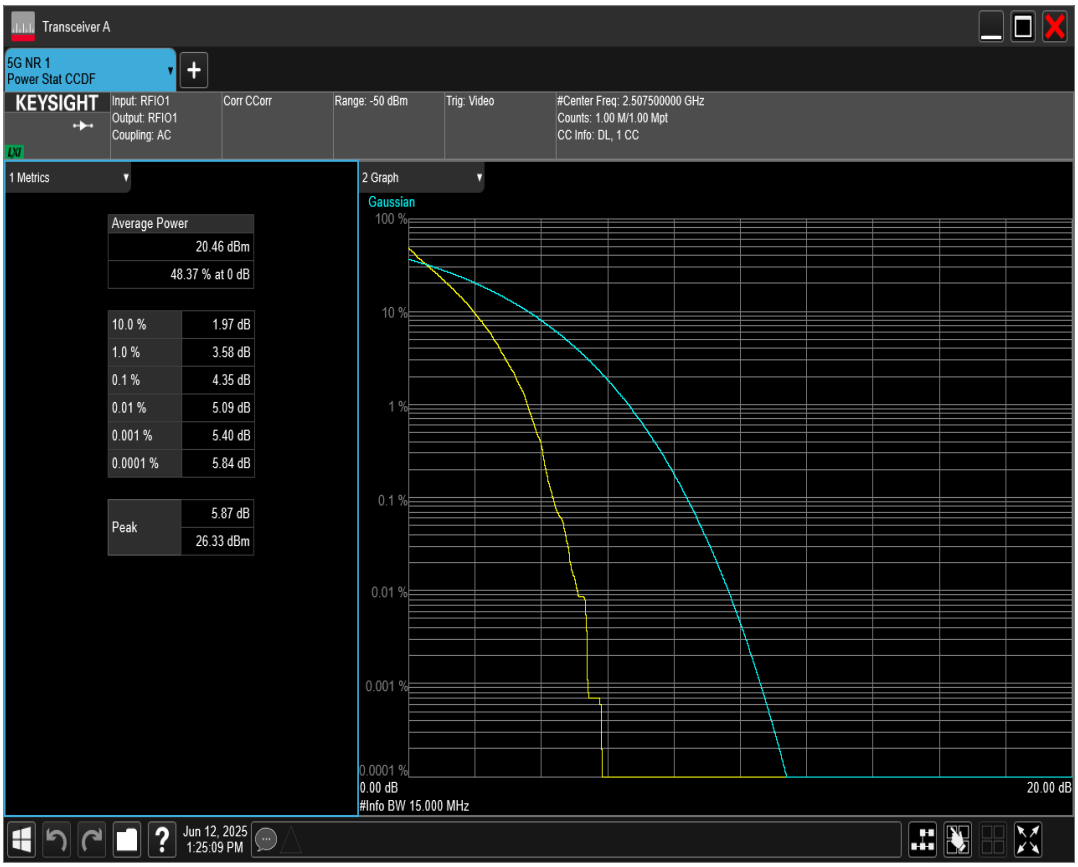

***n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=513000 RB=50@0***



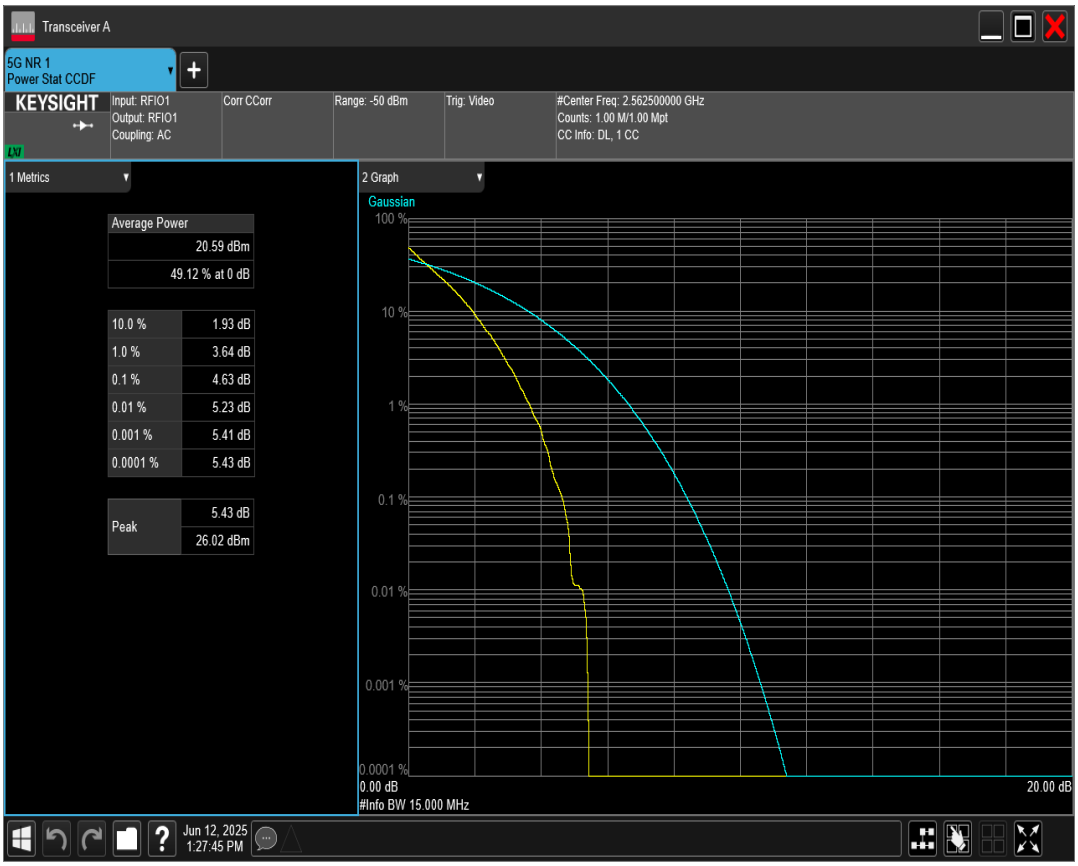

***n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=507000 RB=50@0***



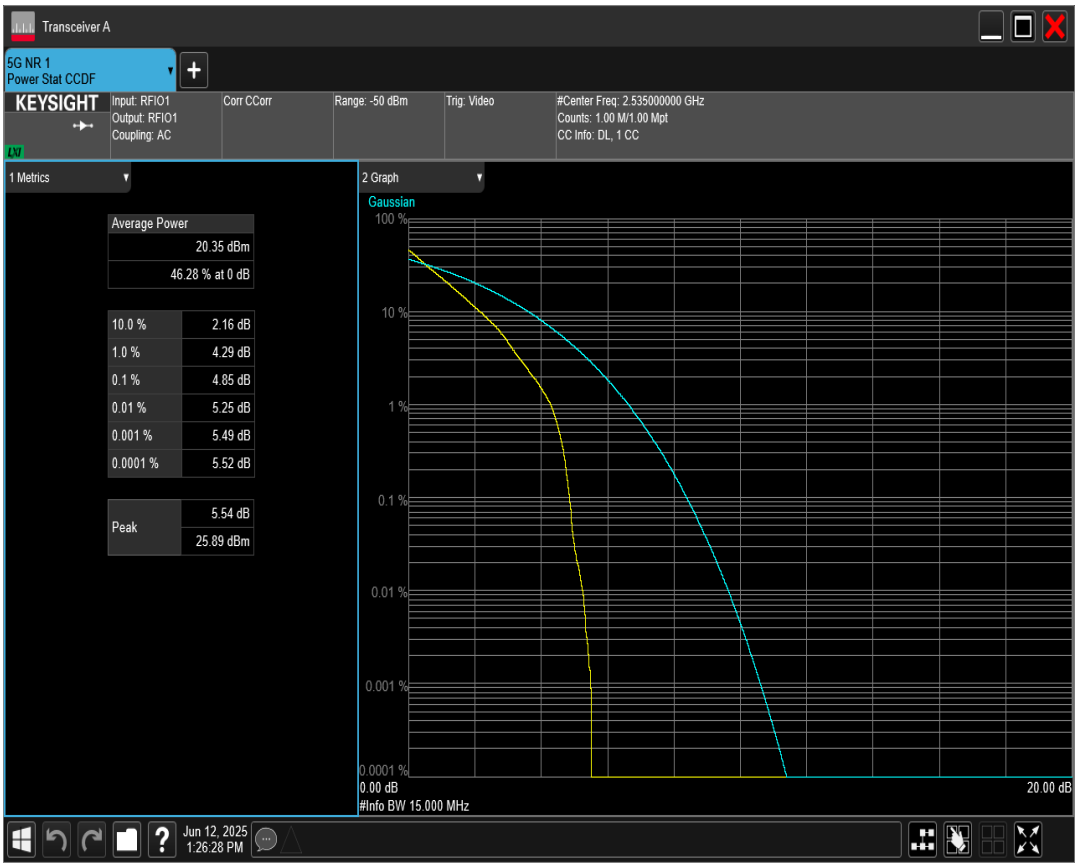

***n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=501500 RB=75@0***



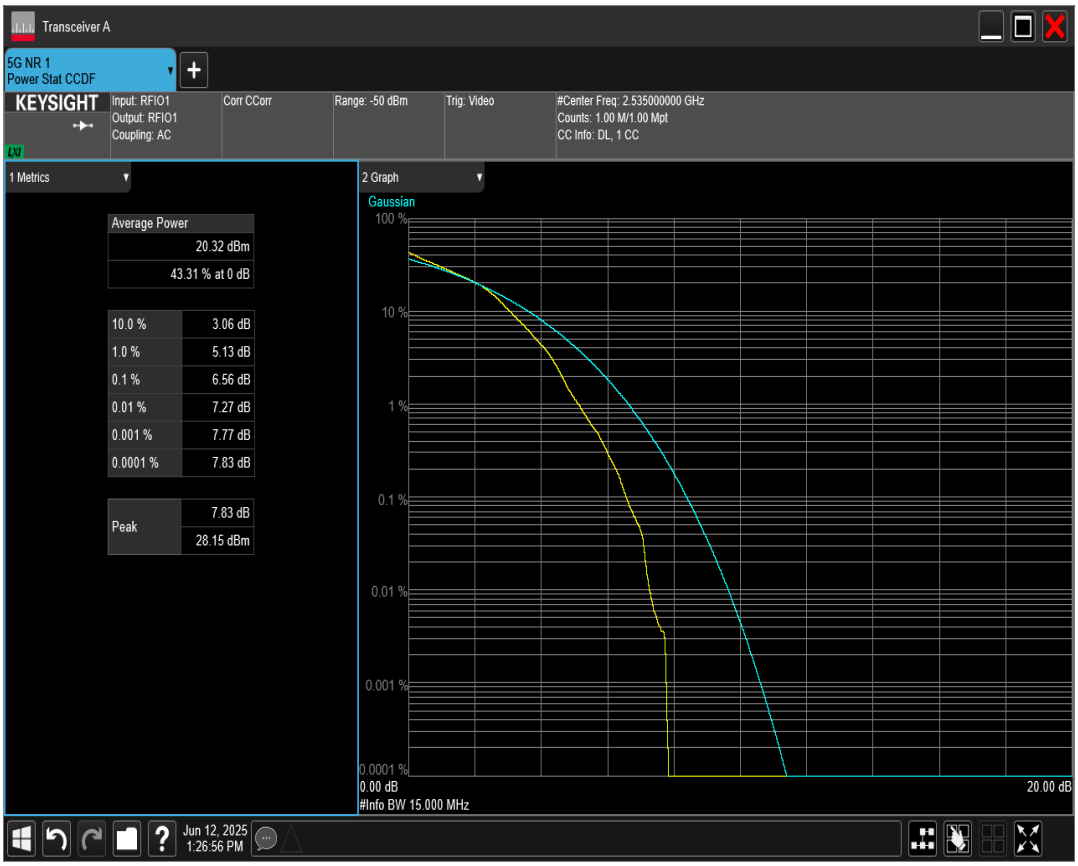

***n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=512500 RB=75@0***



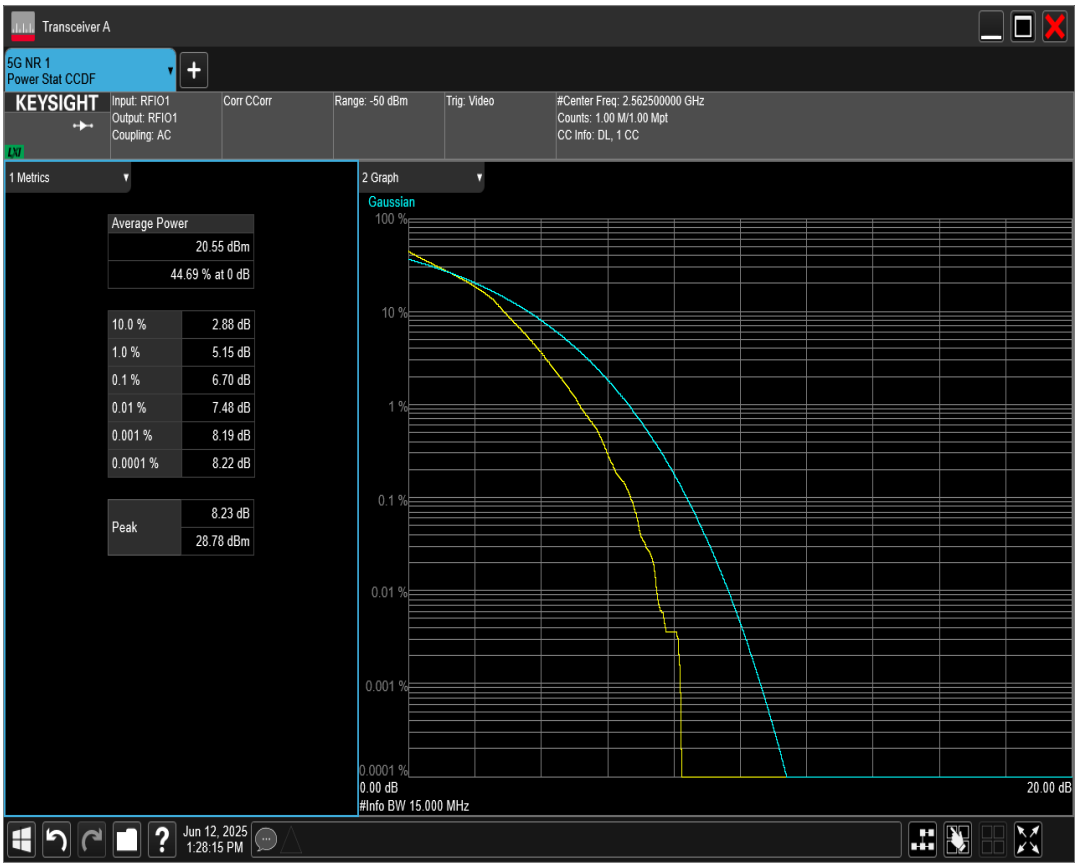

***n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=507000 RB=75@0***



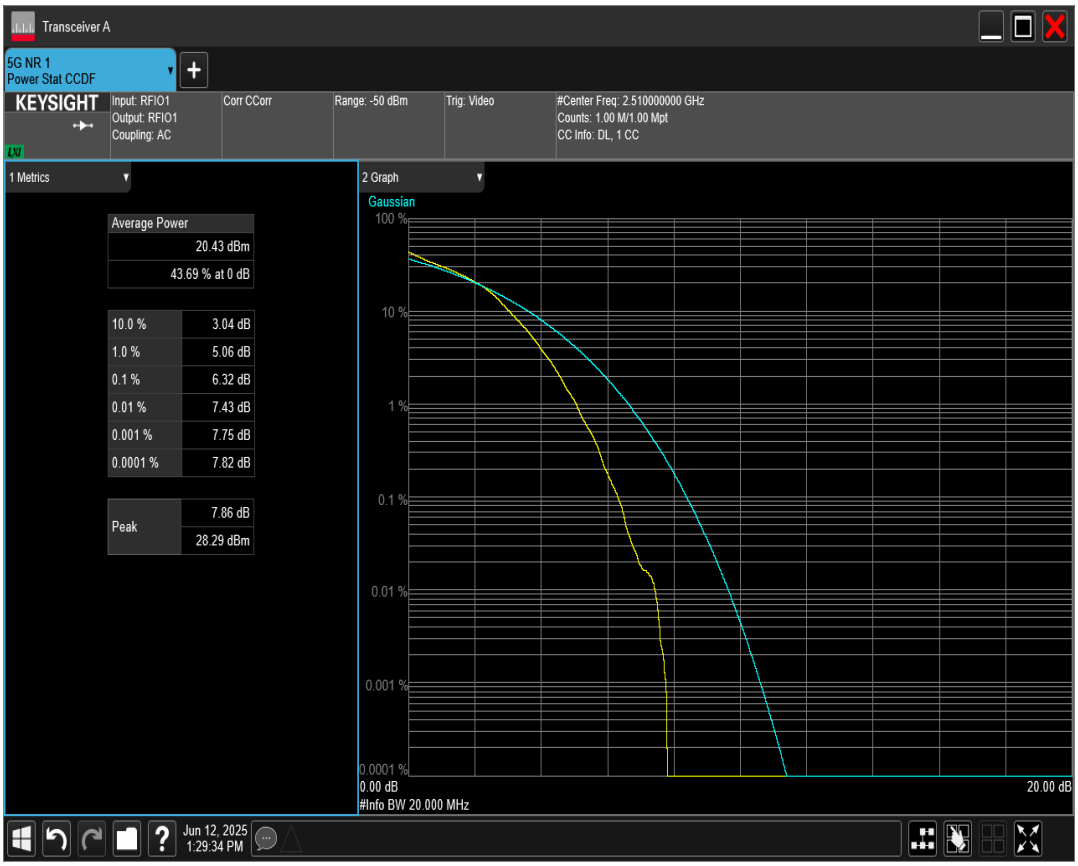

***n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=507000 RB=75@0***



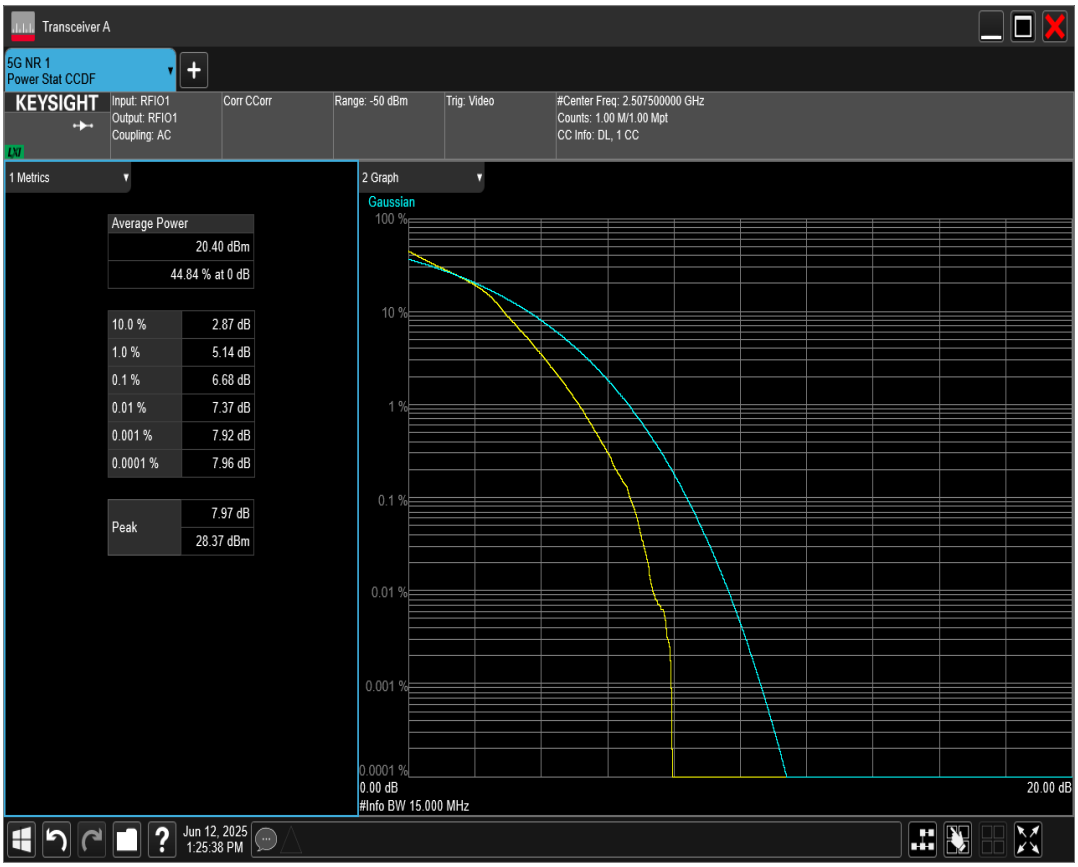

***n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=512500 RB=75@0***



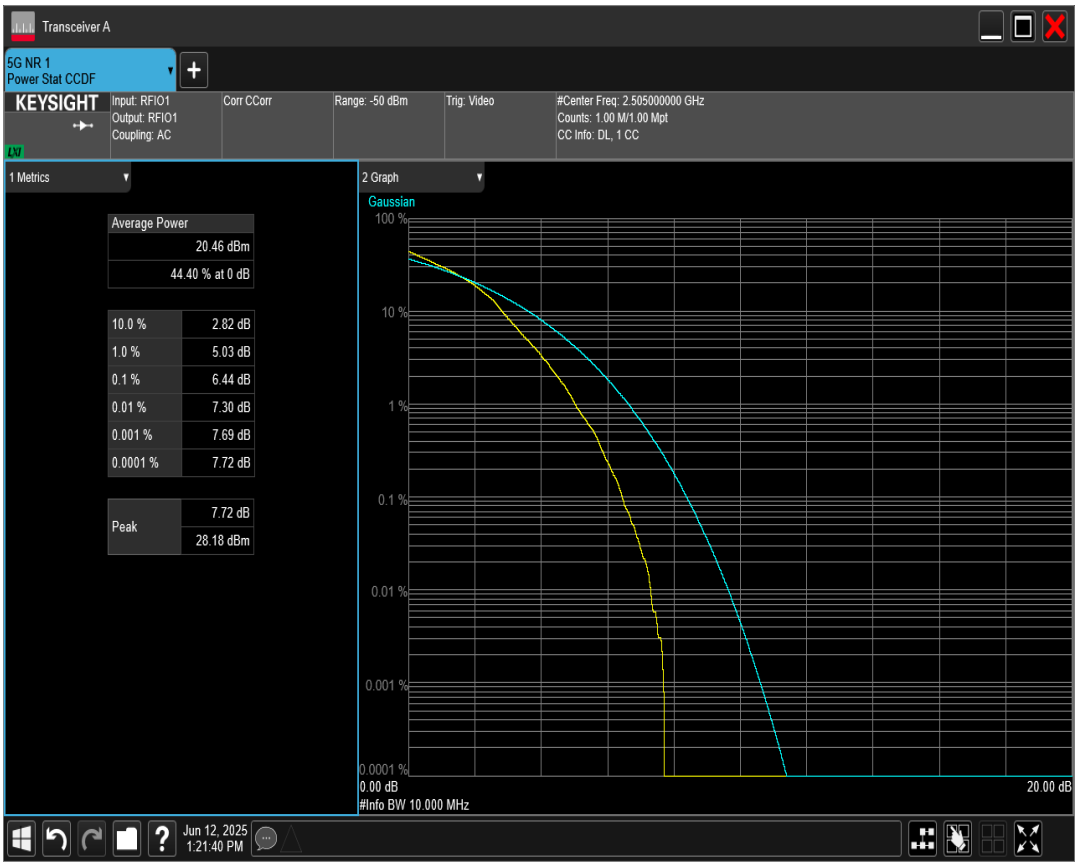

***n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=502000 RB=100@0***



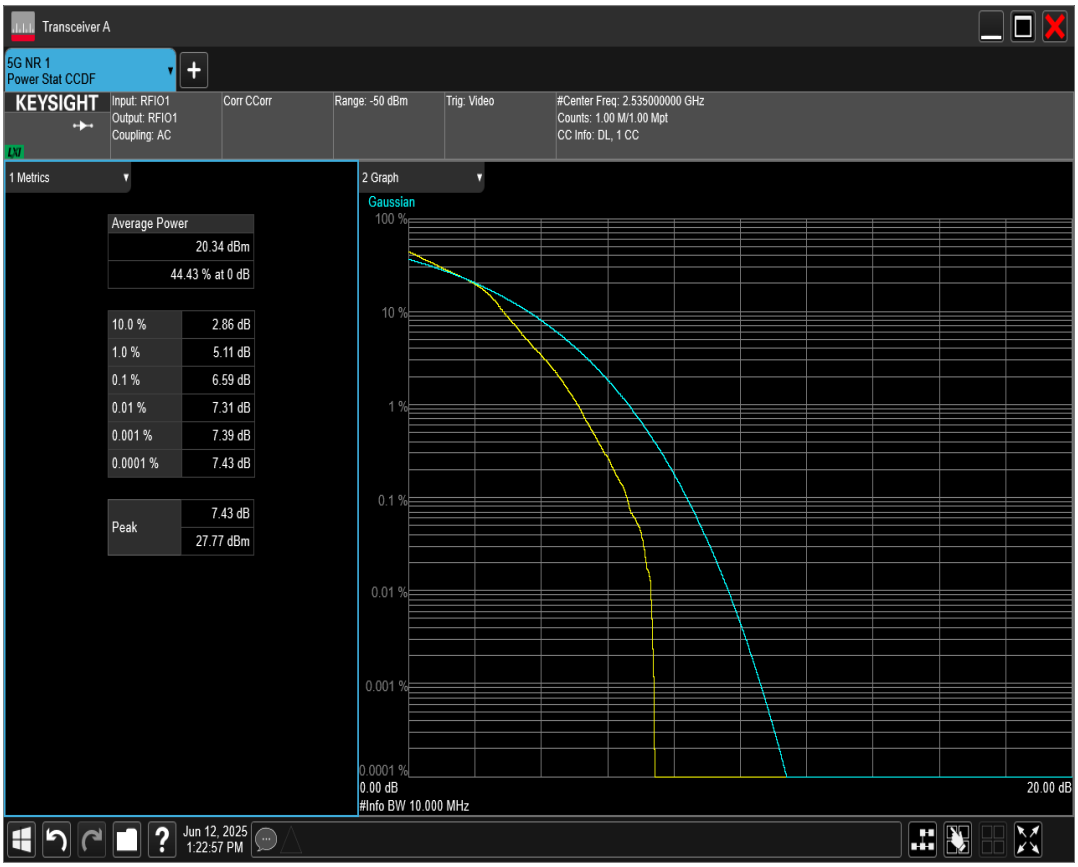

***n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=501500 RB=75@0***



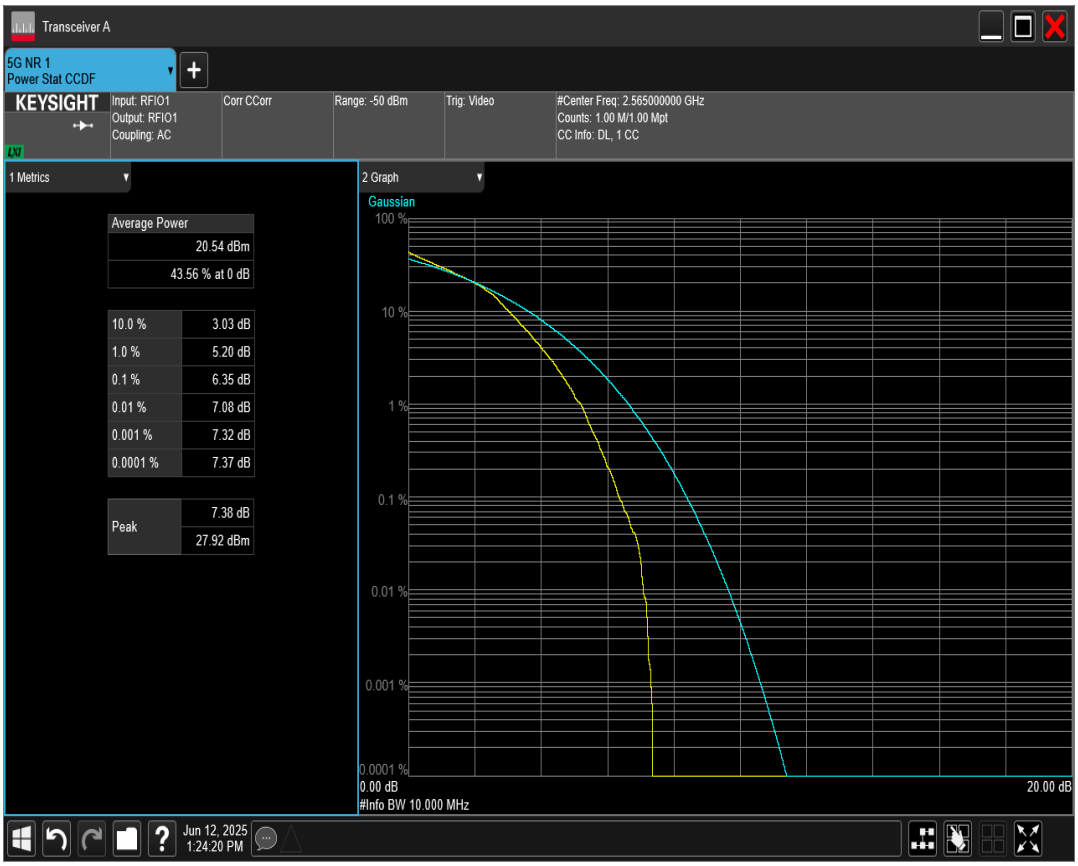

***n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=501000 RB=50@0***



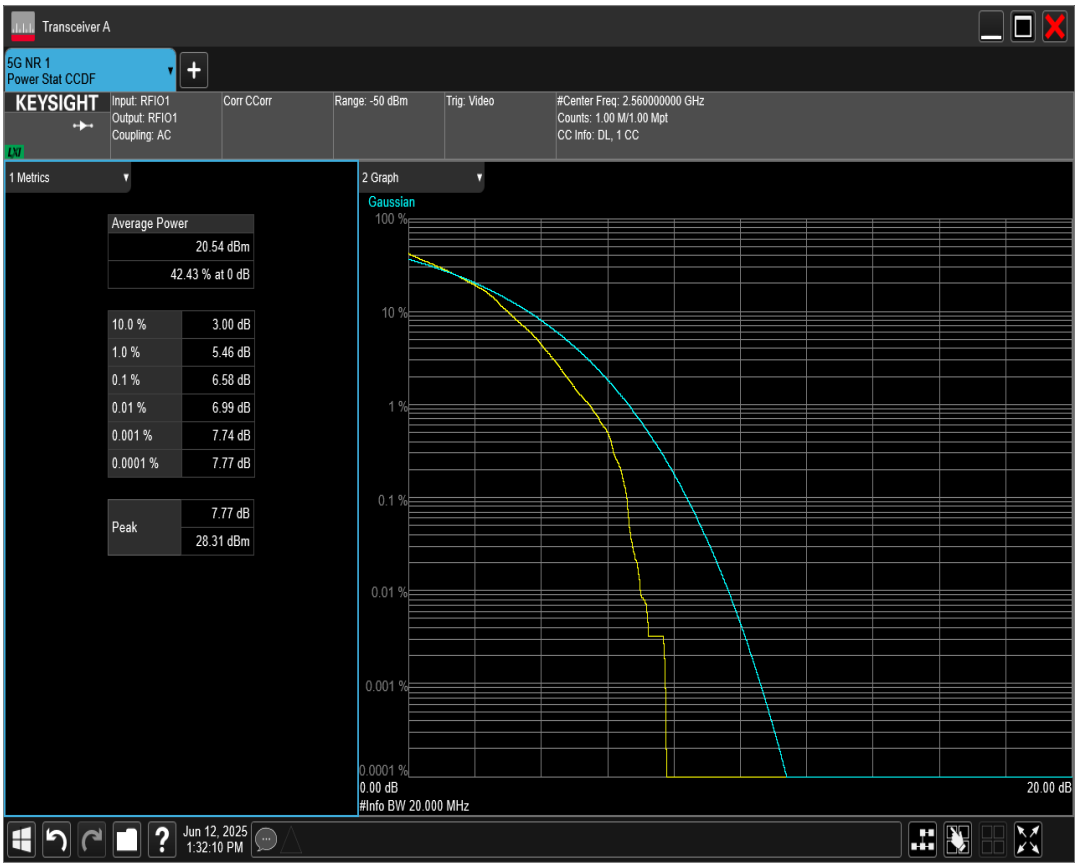

***n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0***



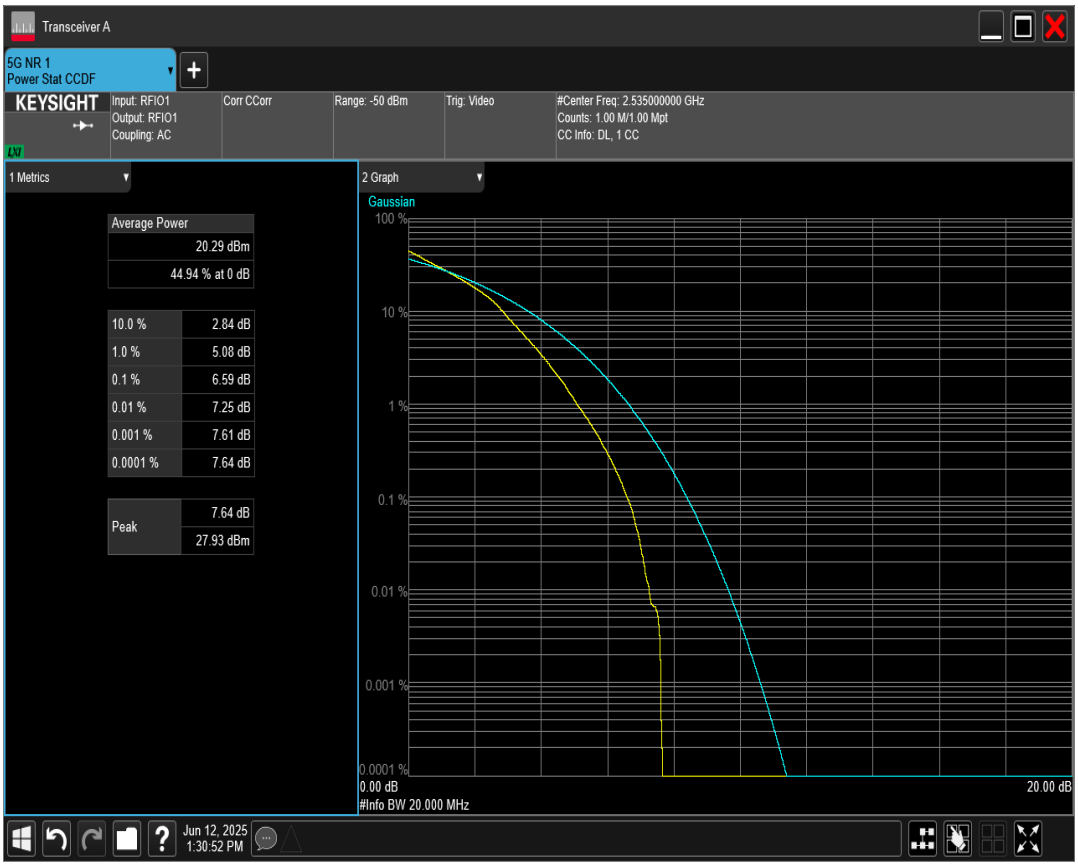

***n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=513000 RB=50@0***



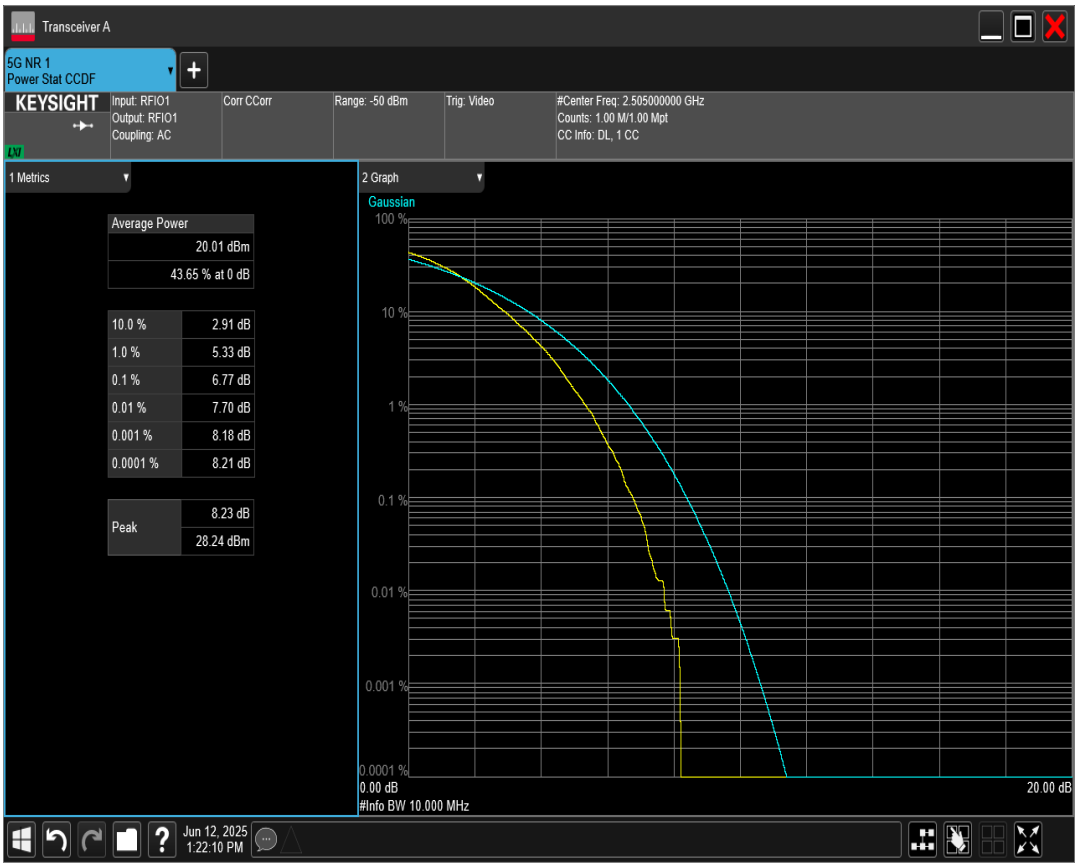

***n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=512000 RB=100@0***



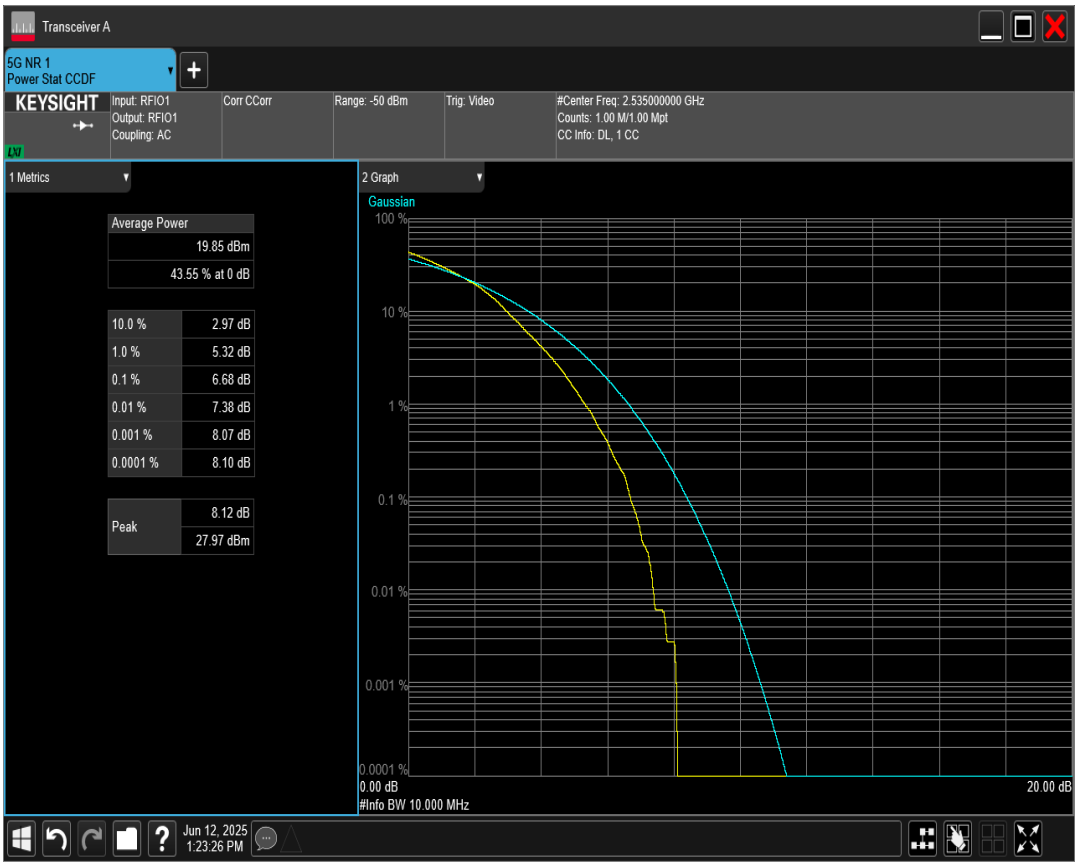

***n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=507000 RB=100@0***



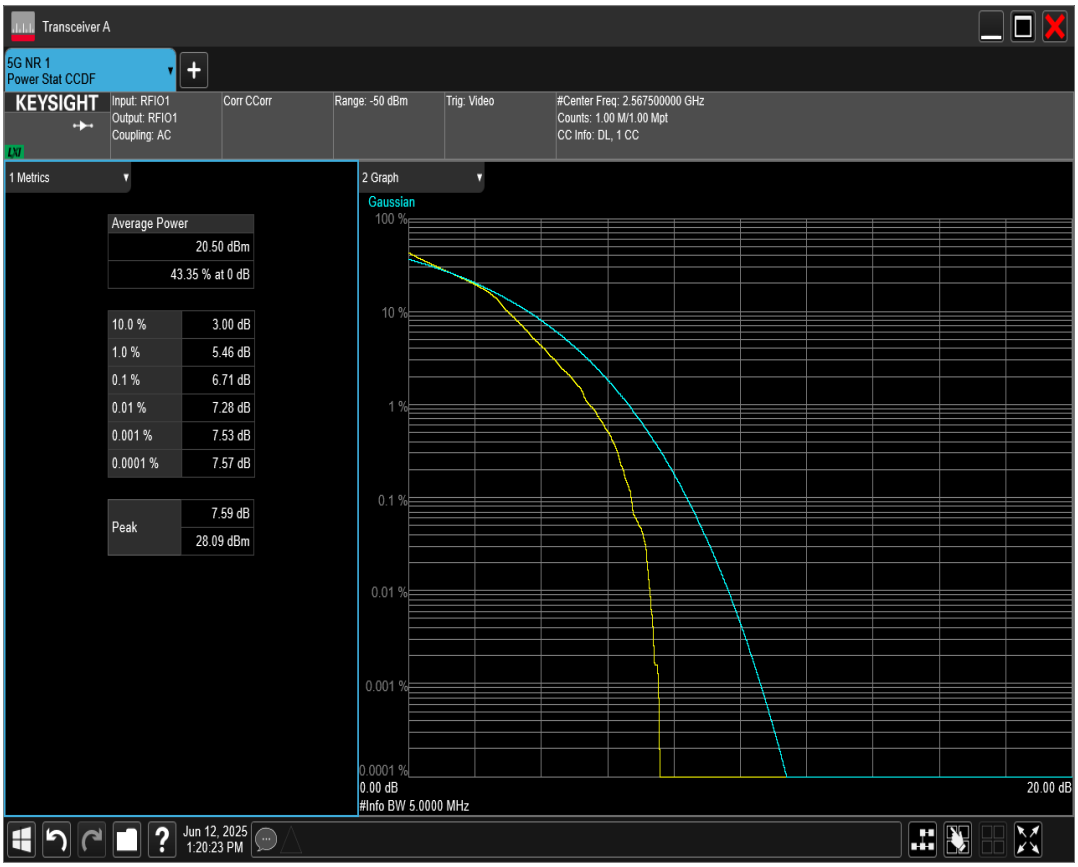

***n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=501000 RB=50@0***



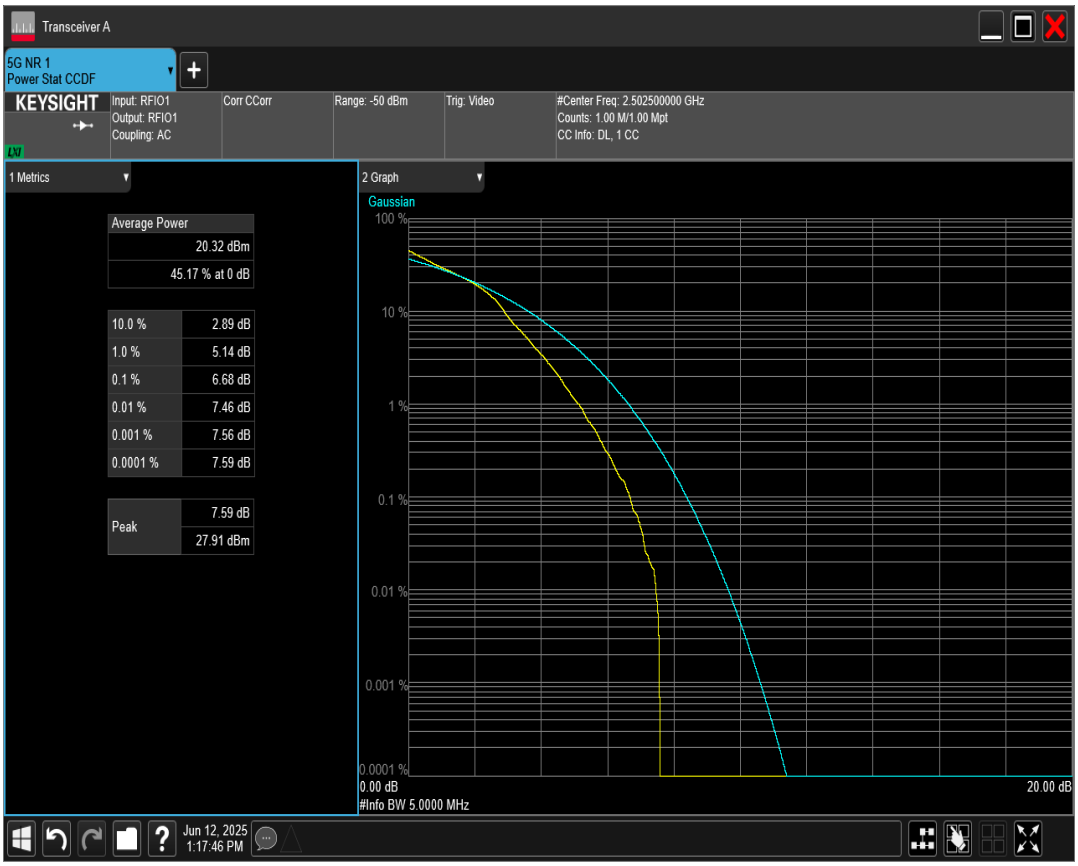

***n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=507000 RB=50@0***



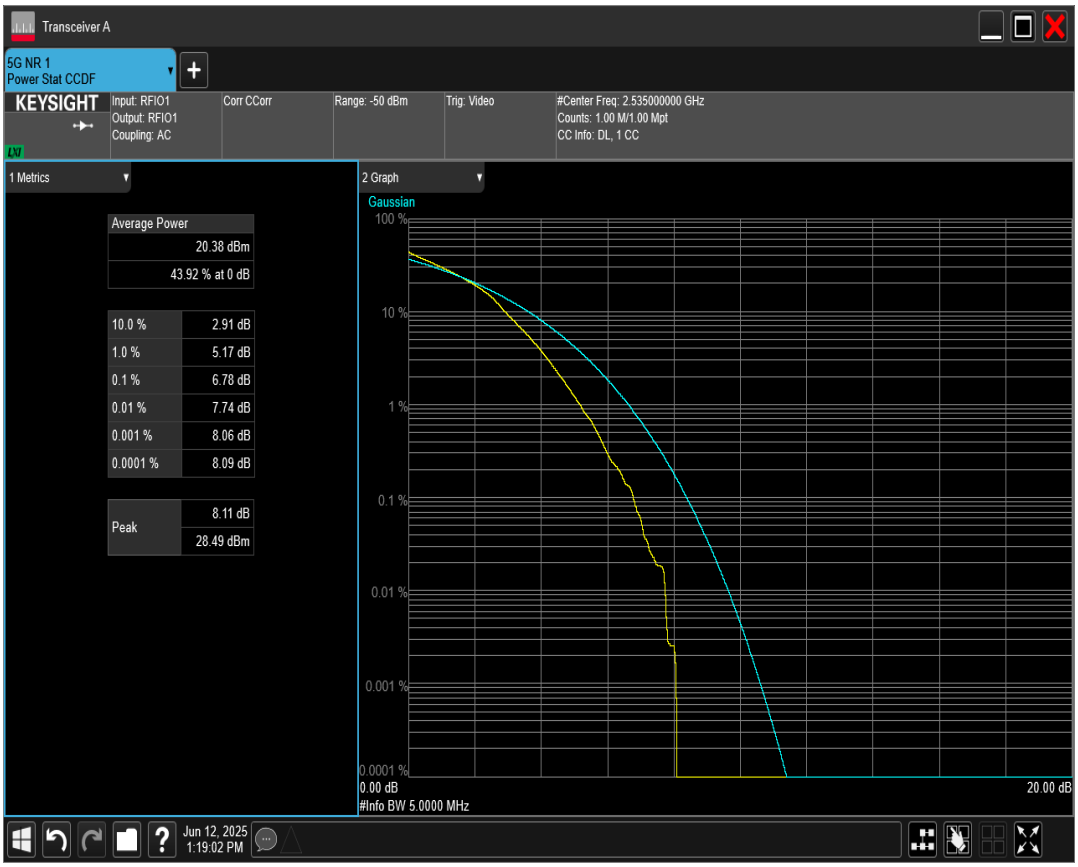

***n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=513500 RB=25@0***



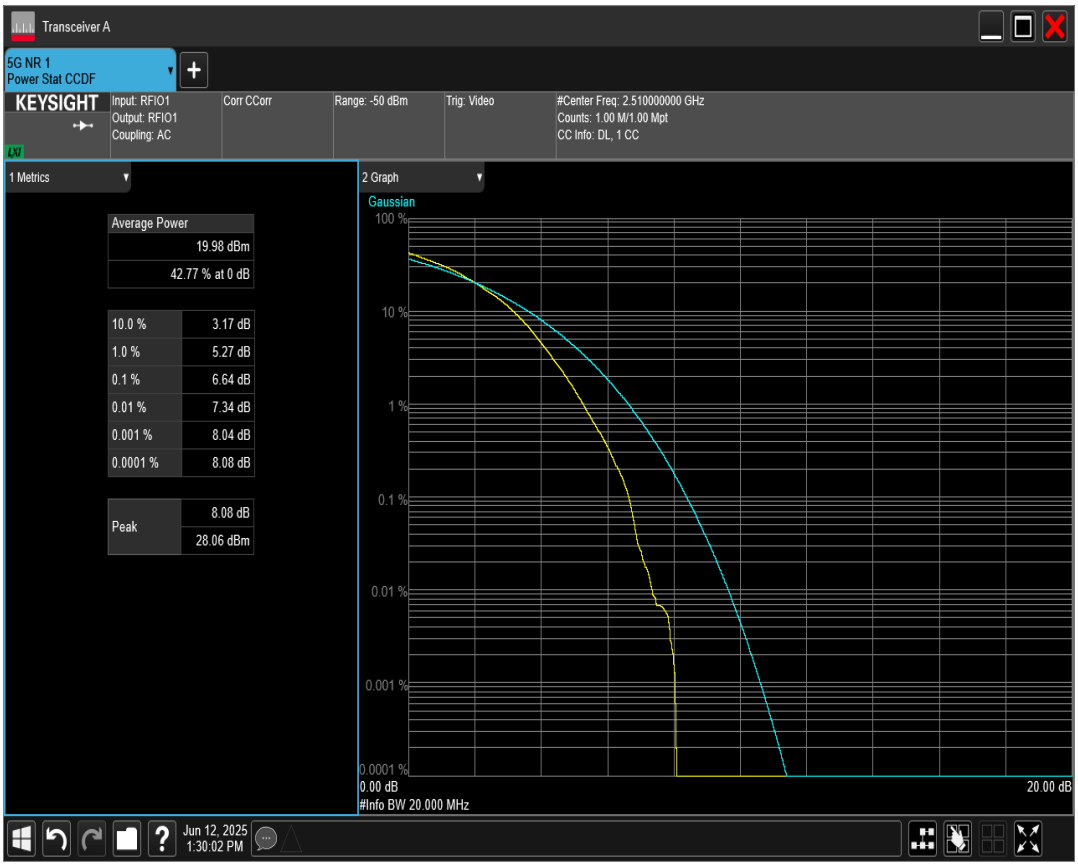

***n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=500500 RB=25@0***



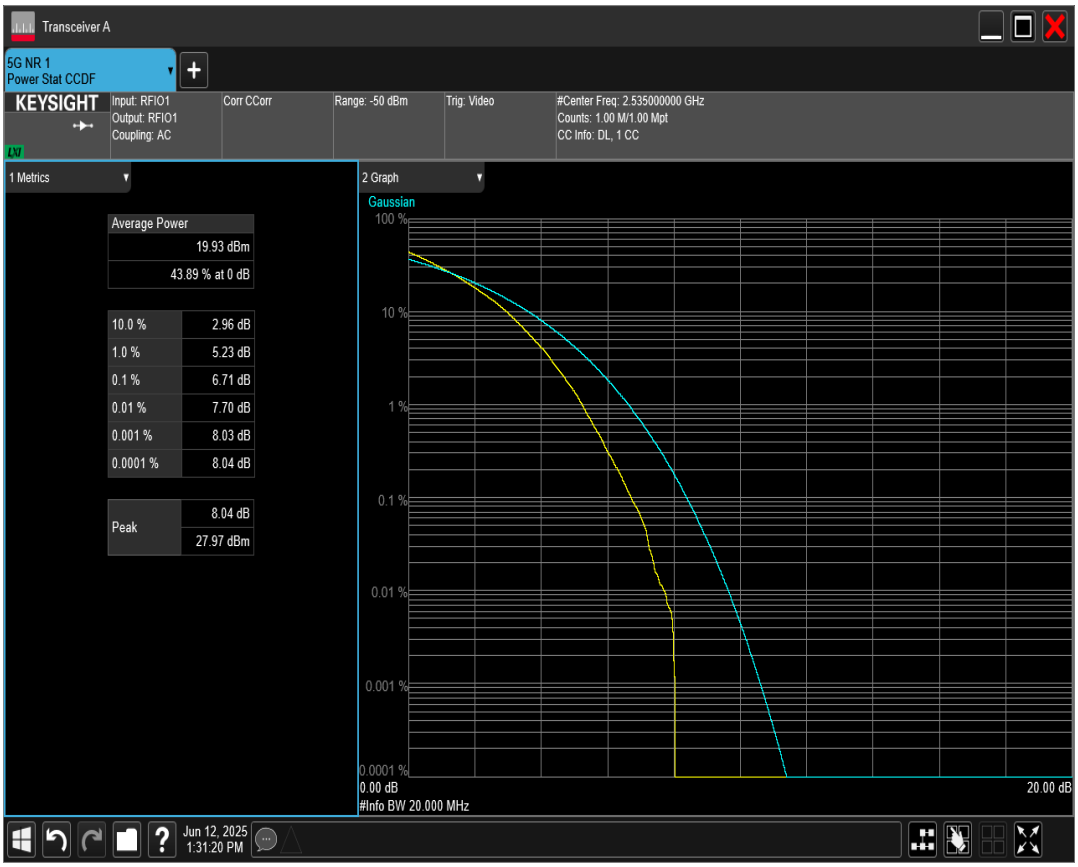

***n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=507000 RB=25@0***



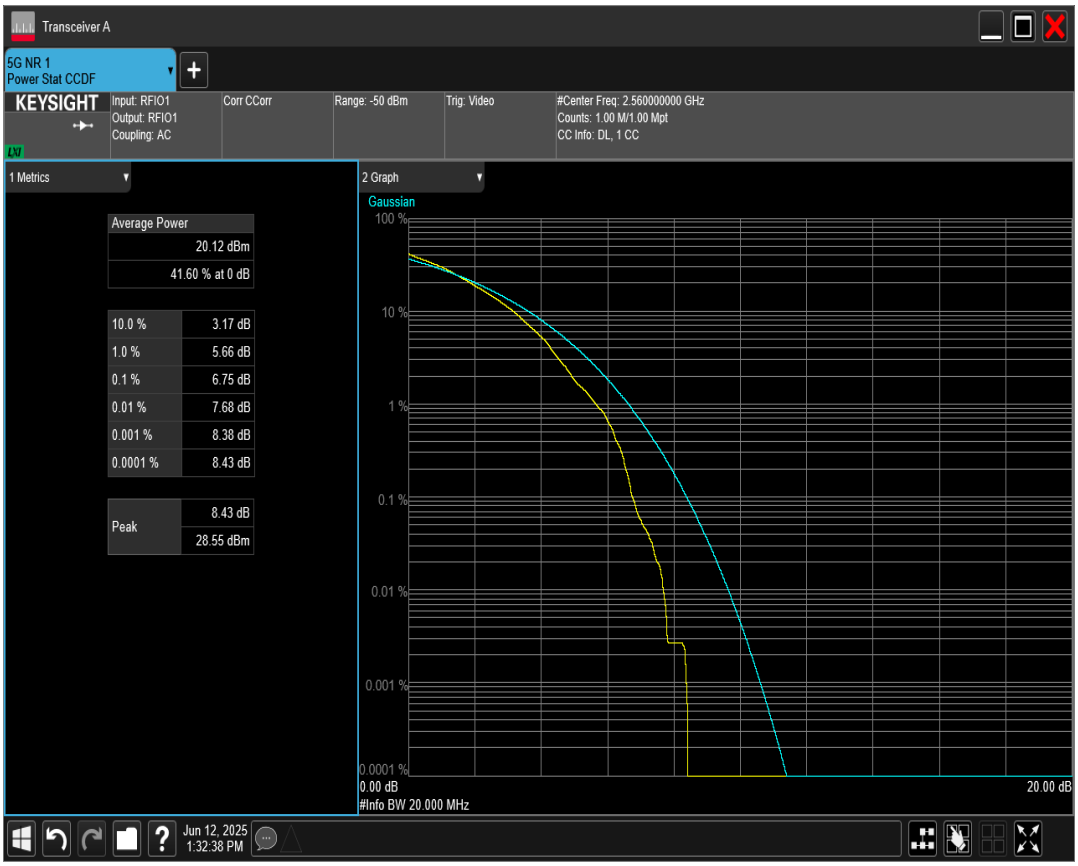

***n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=502000 RB=100@0***




***n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0***

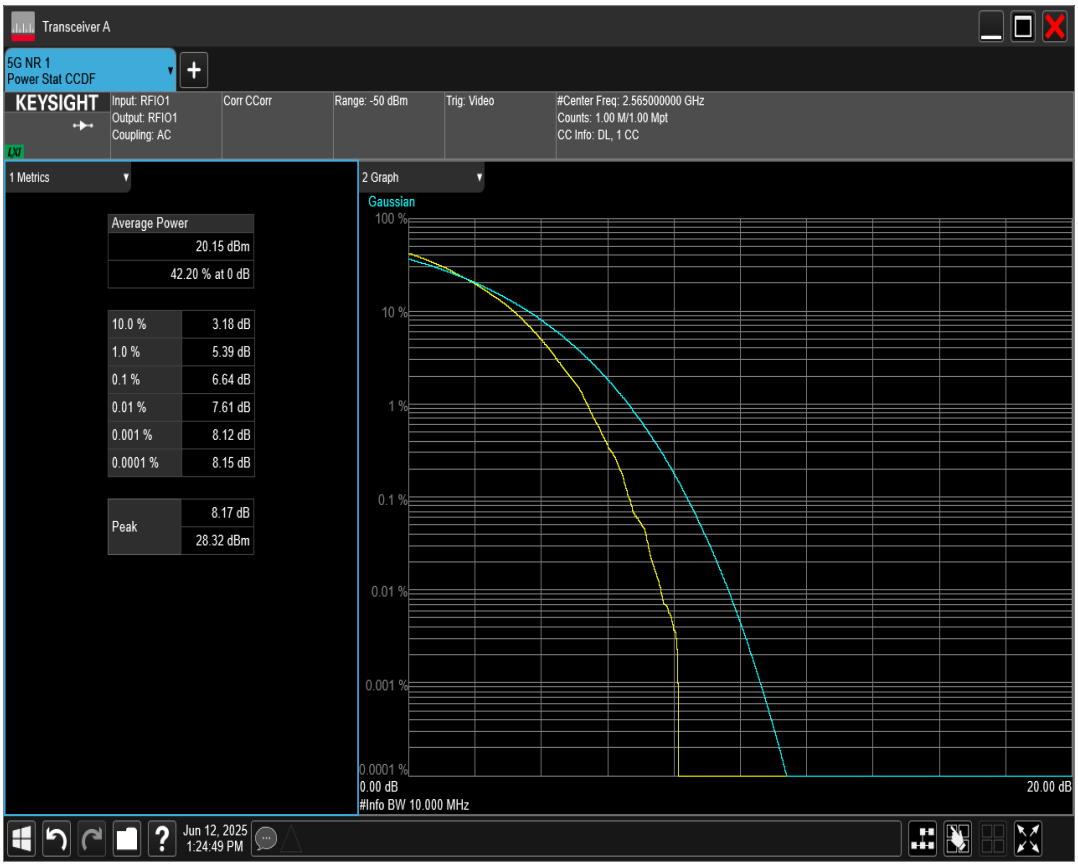



***n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=512000 RB=100@0***

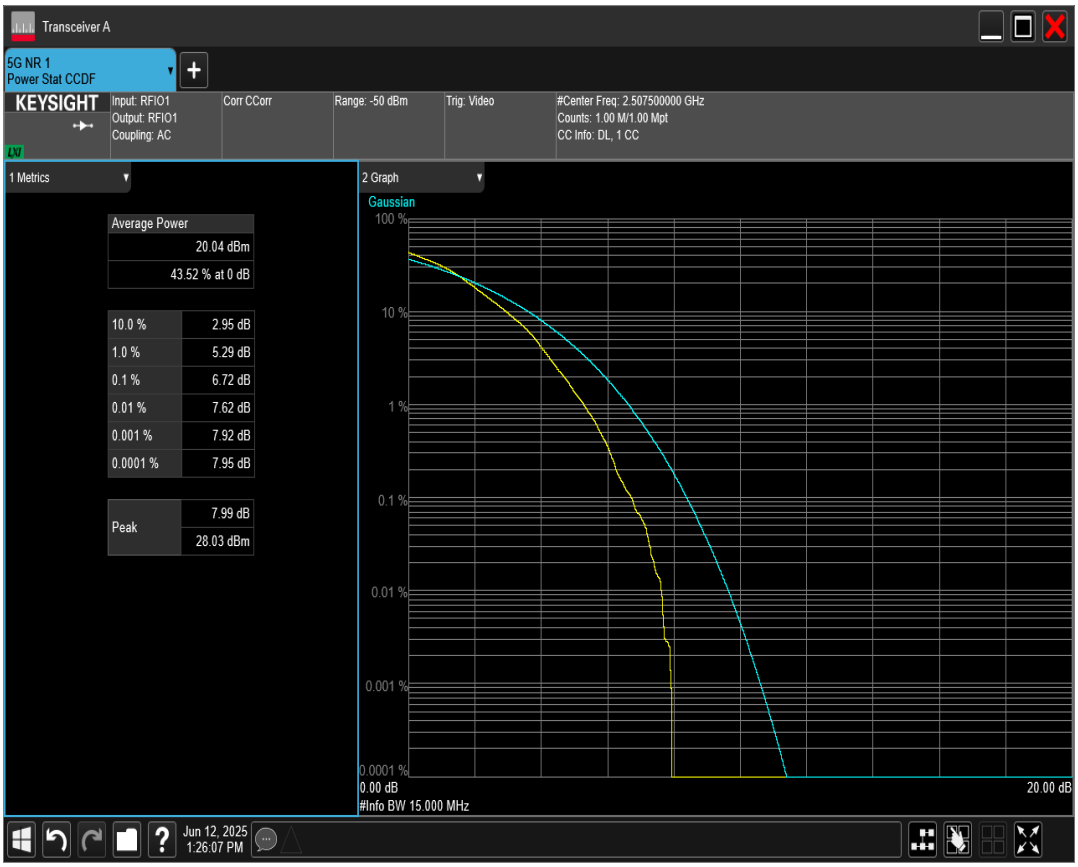



***n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=512500 RB=75@0***

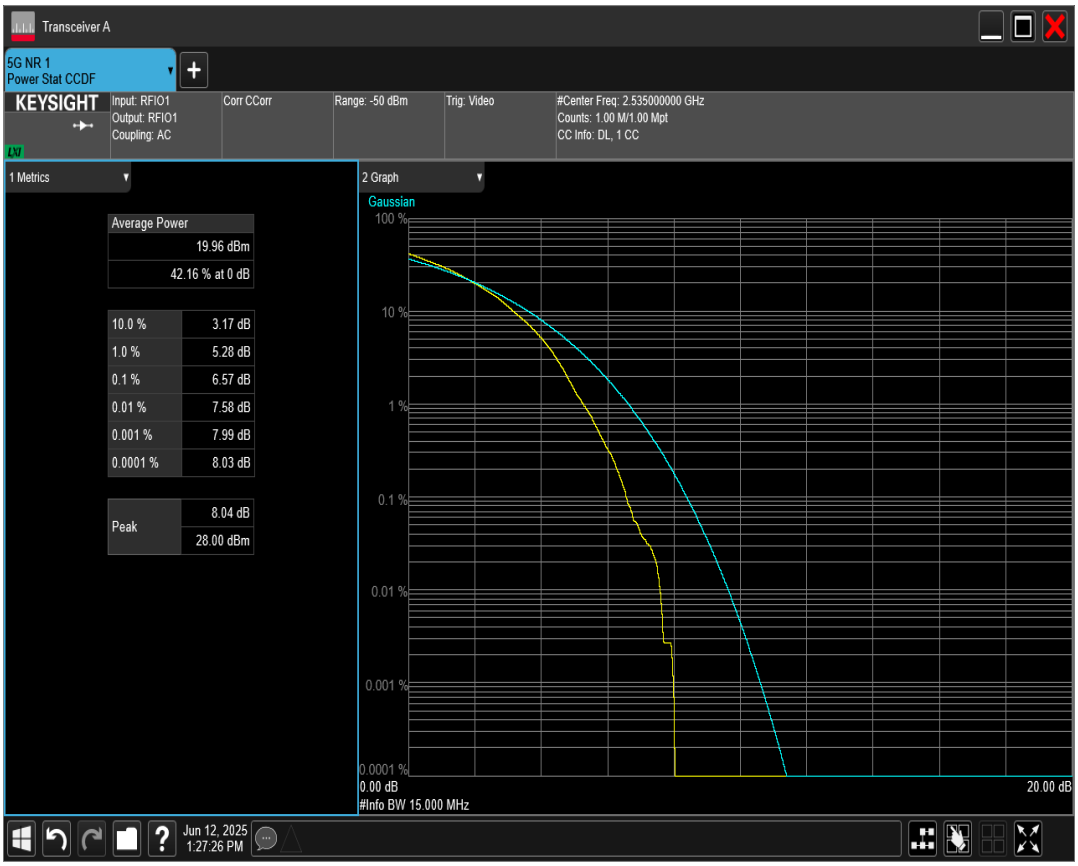
***n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=513000 RB=50@0***



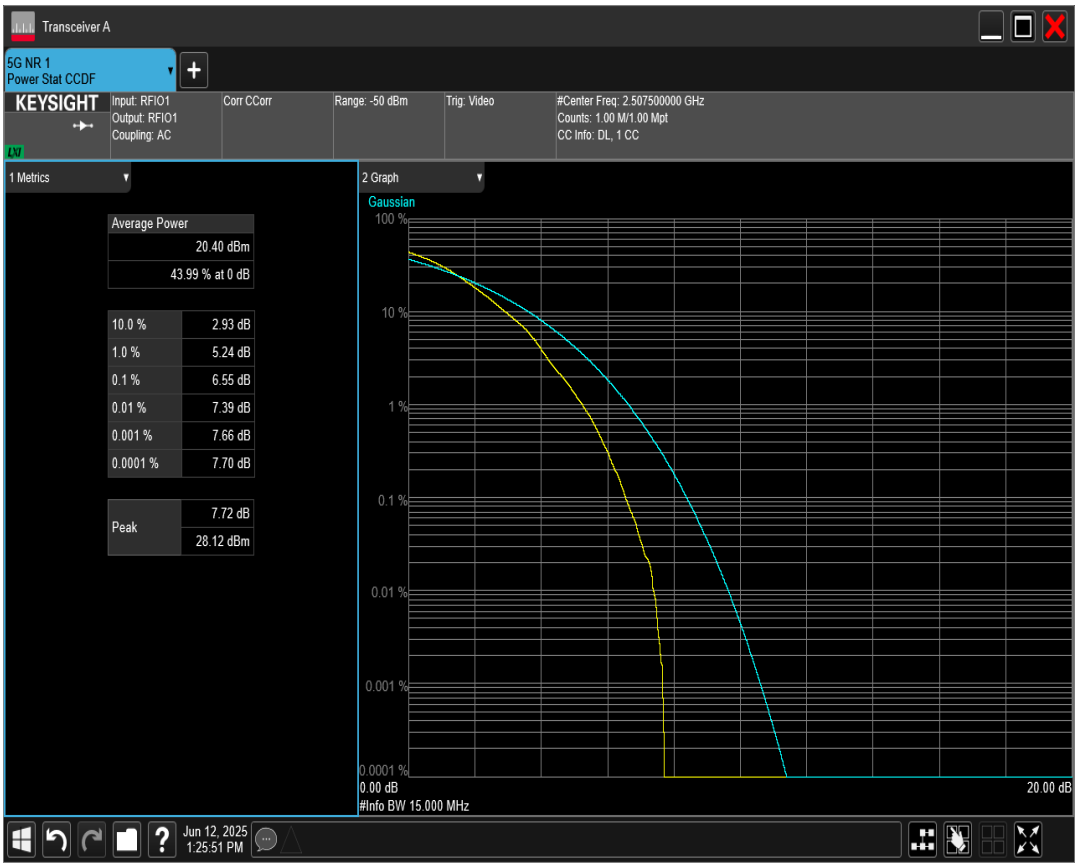

***n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=501500 RB=75@0***



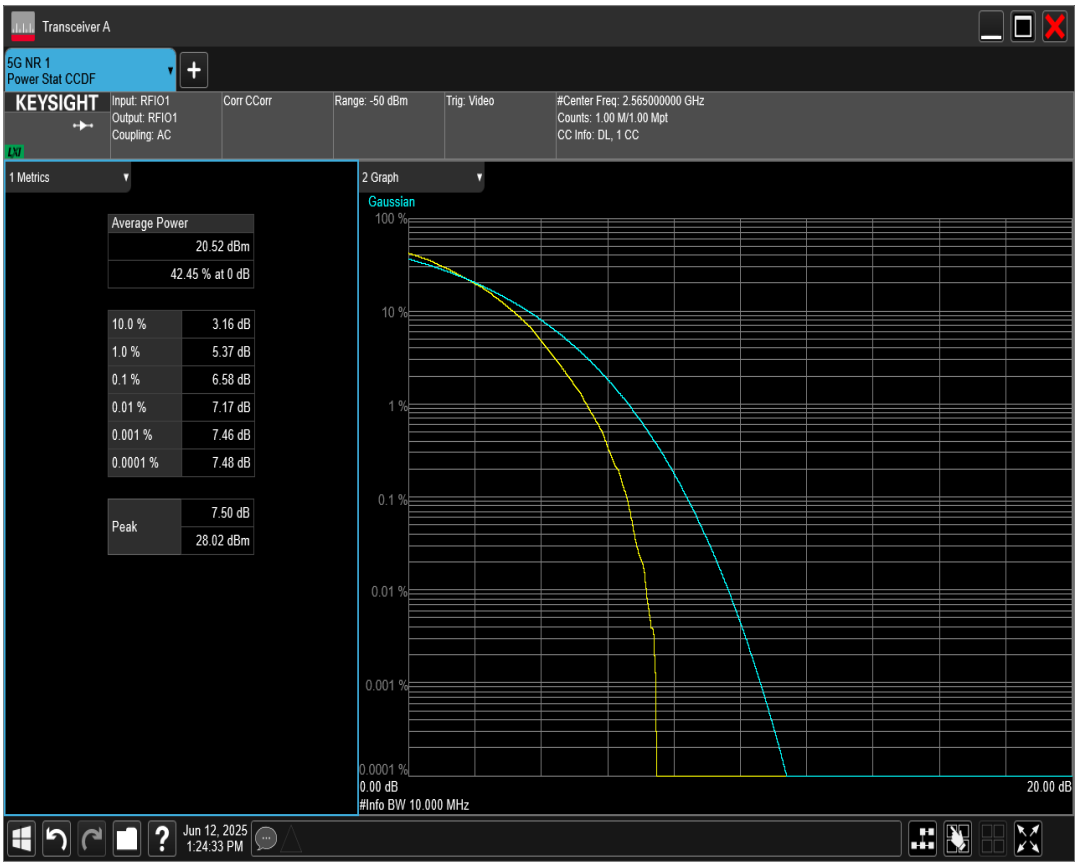

***n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=507000 RB=75@0***



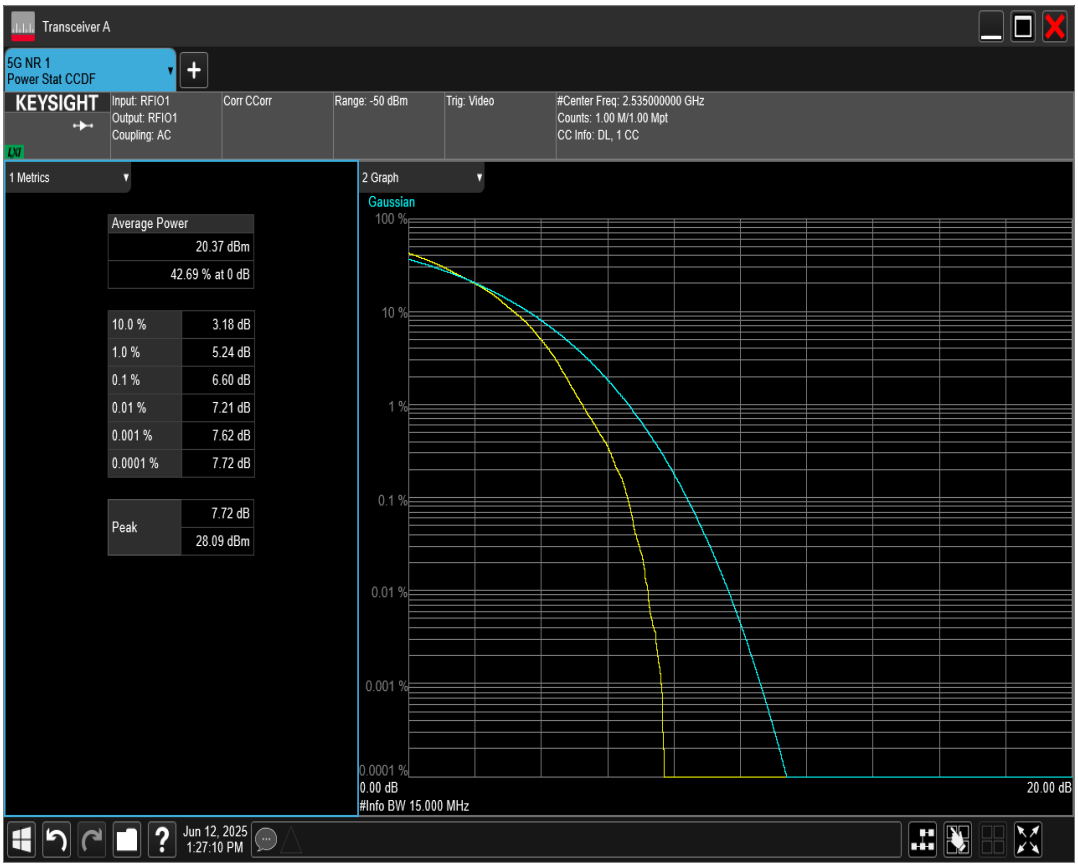

***n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=501500 RB=75@0***



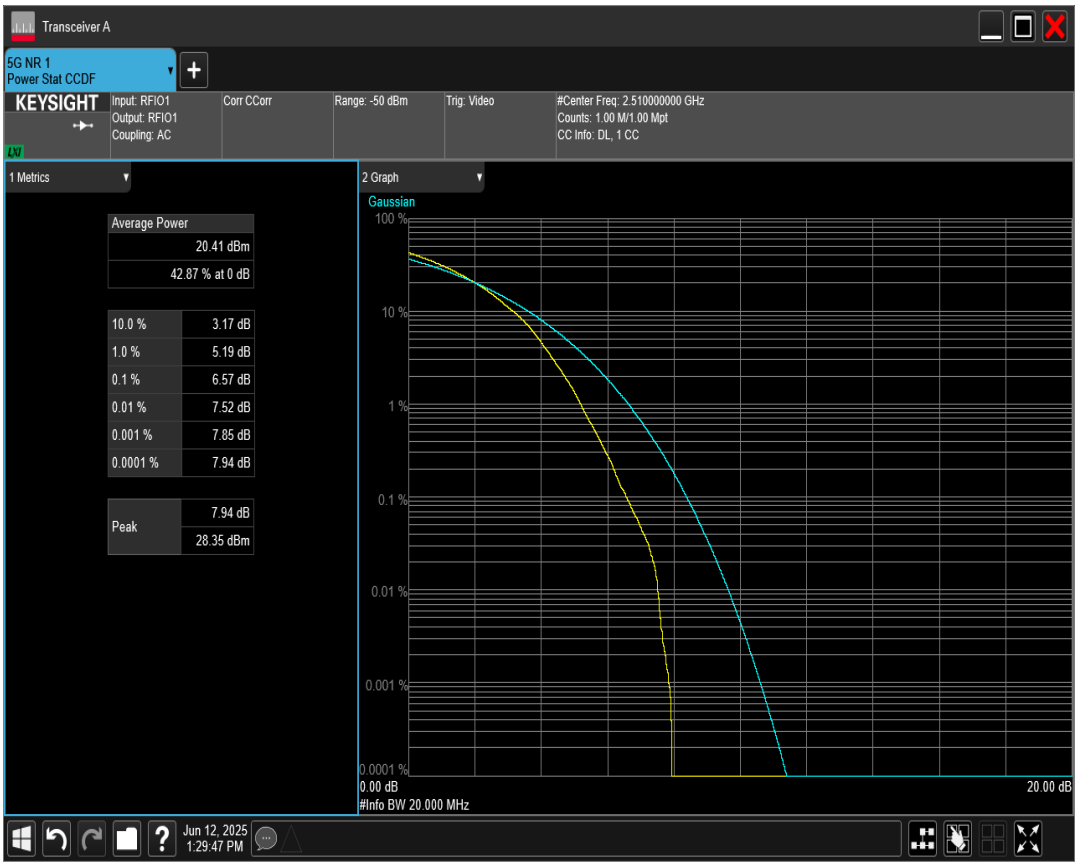

***n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=513000 RB=50@0***



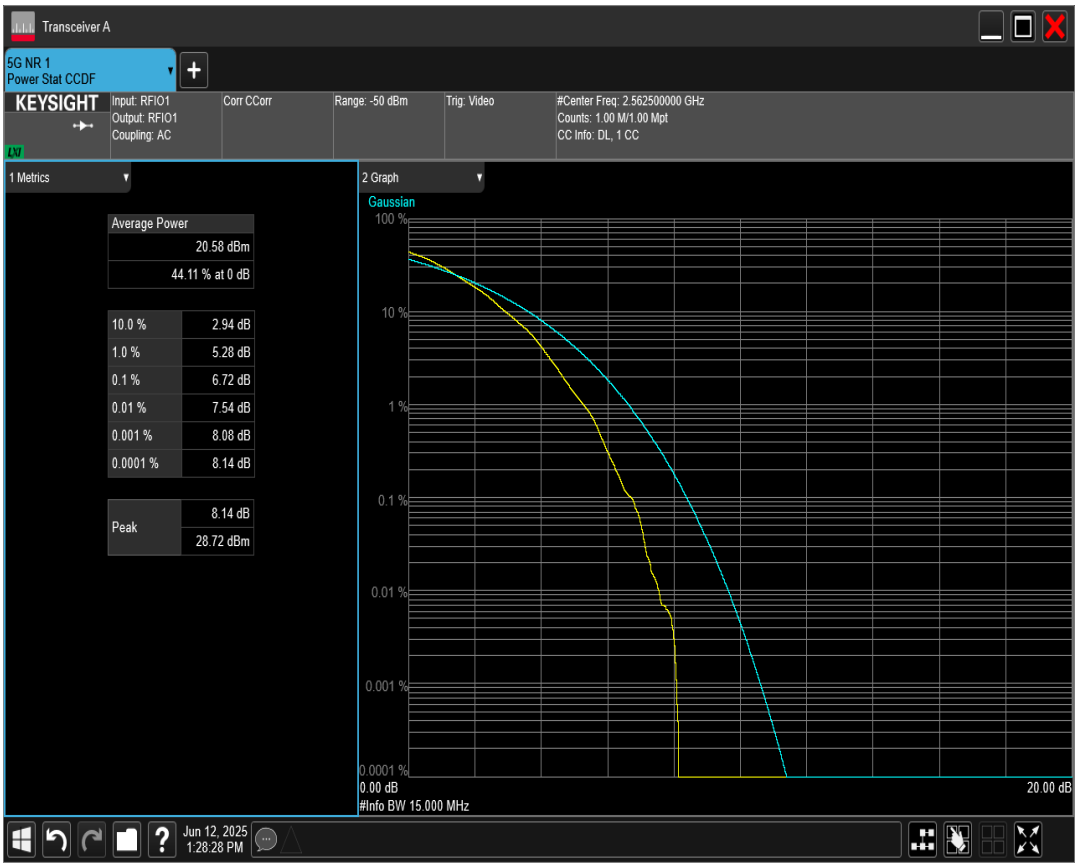

***n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=507000 RB=75@0***



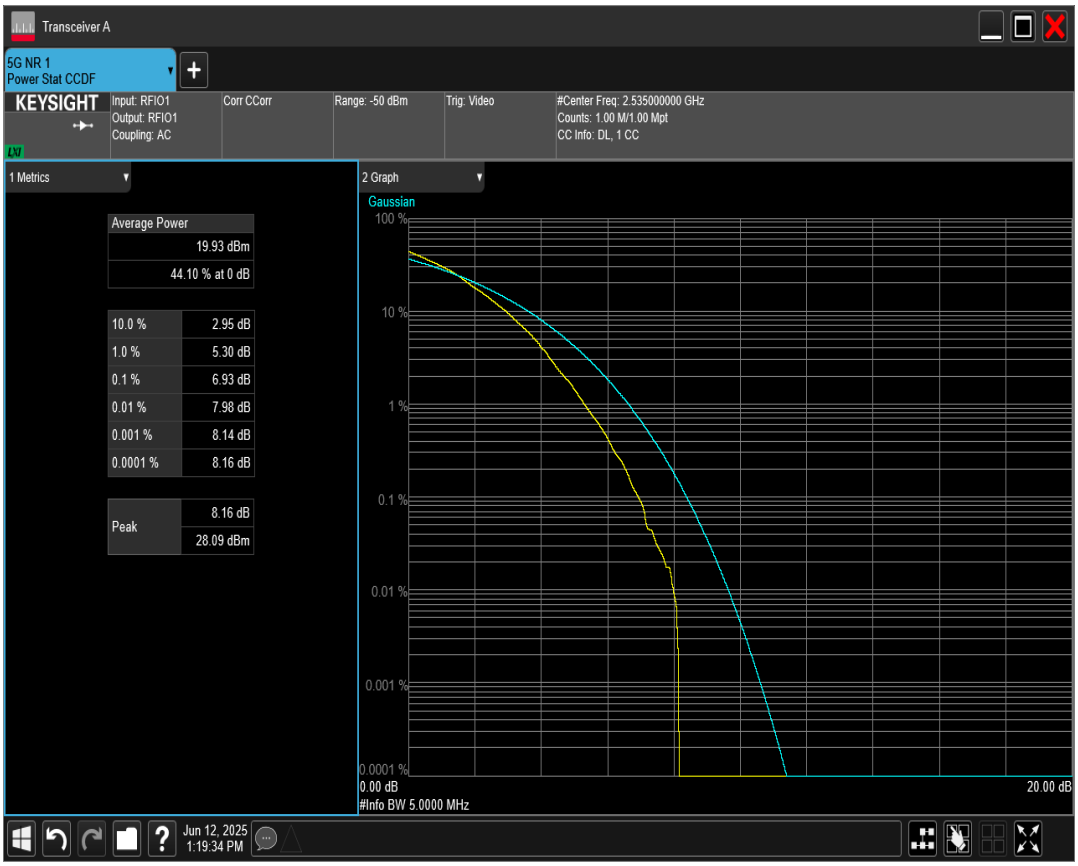

***n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=502000 RB=100@0***



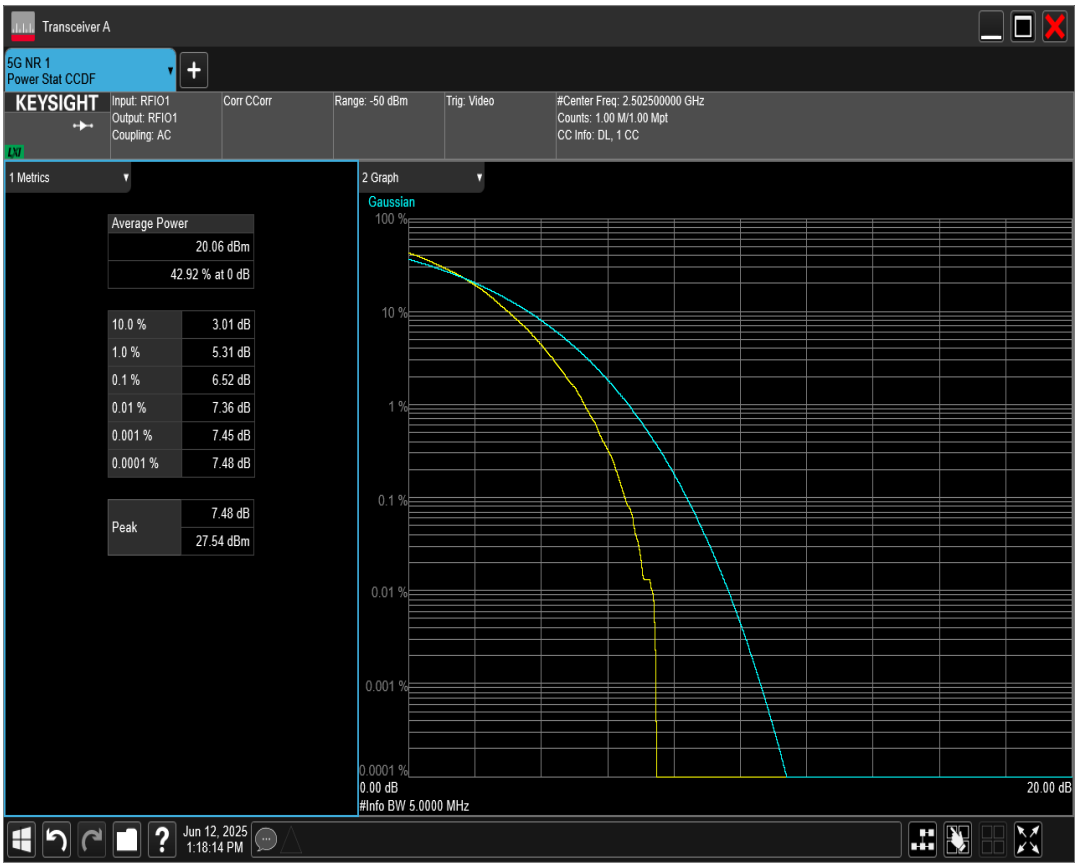

***n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=512500 RB=75@0***



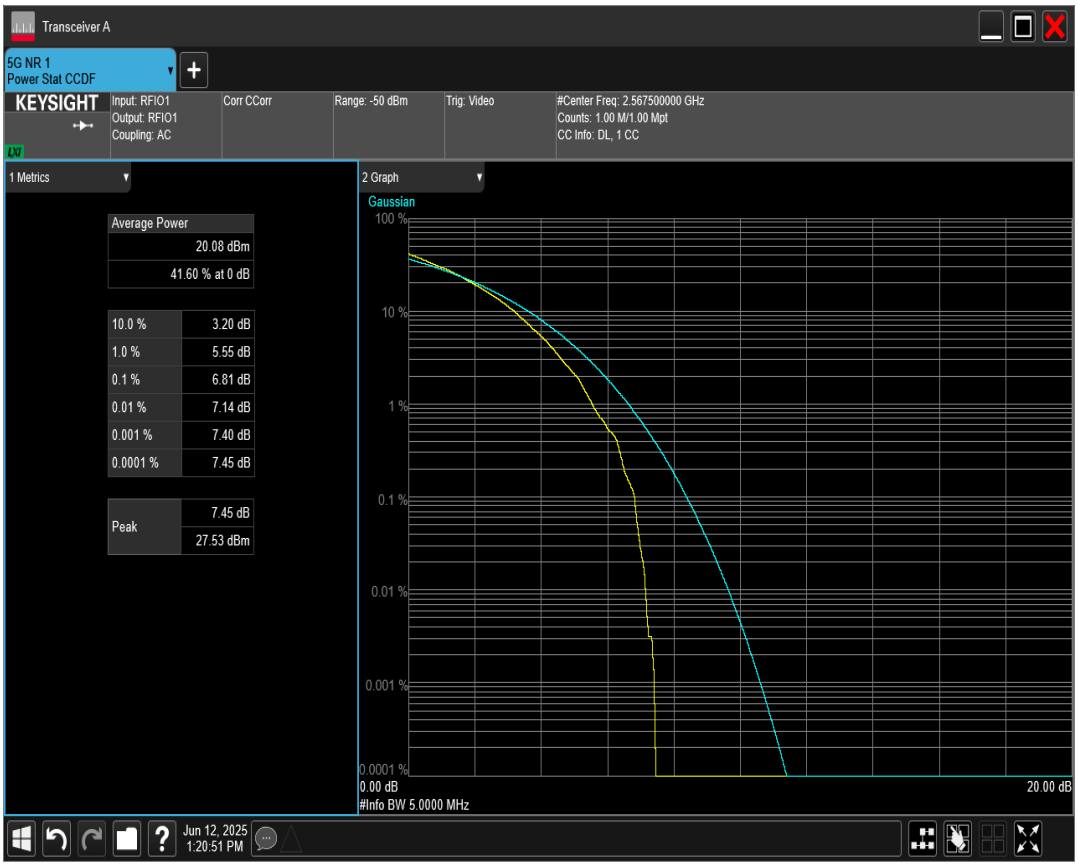

***n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=507000 RB=25@0***



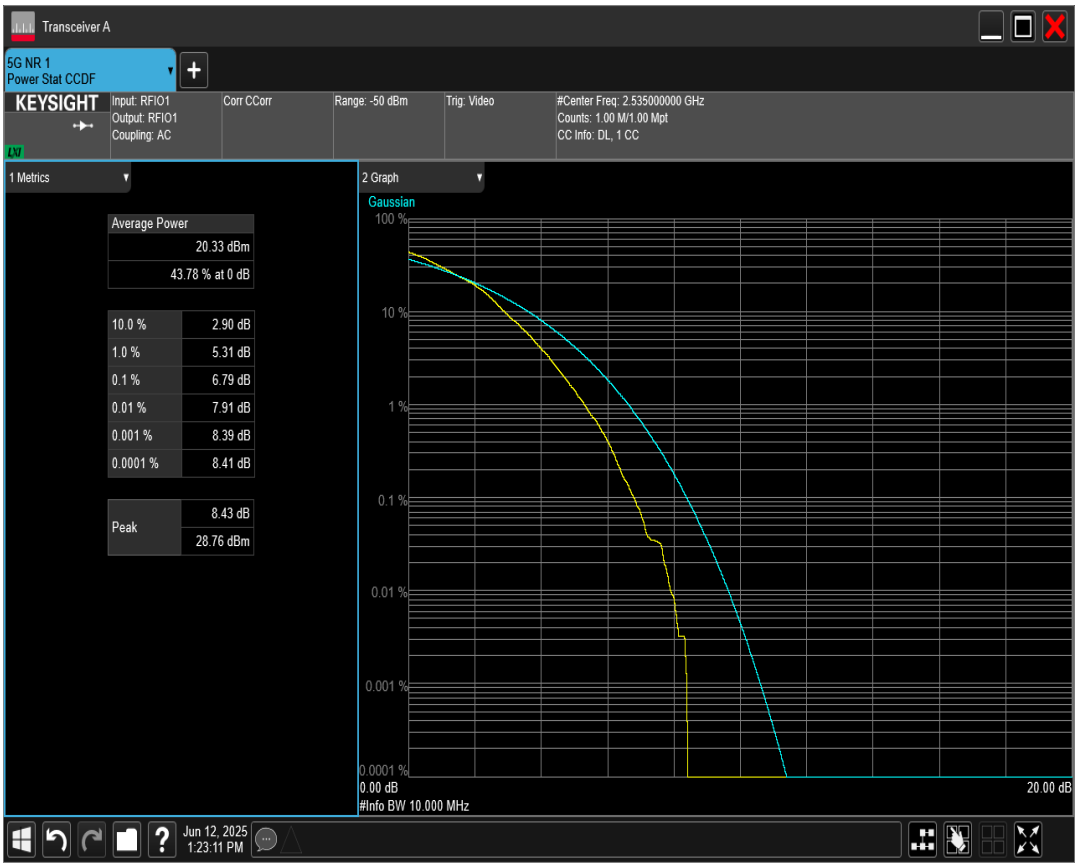

***n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=500500 RB=25@0***



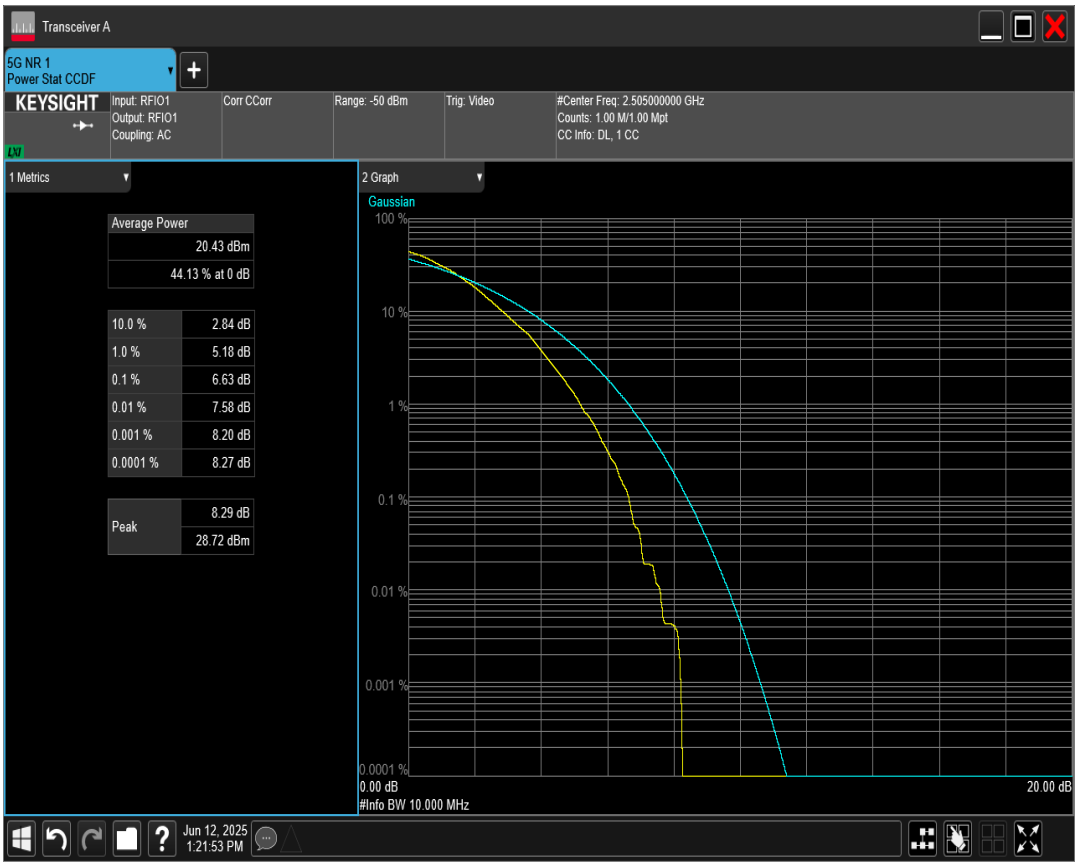

***n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=513500 RB=25@0***



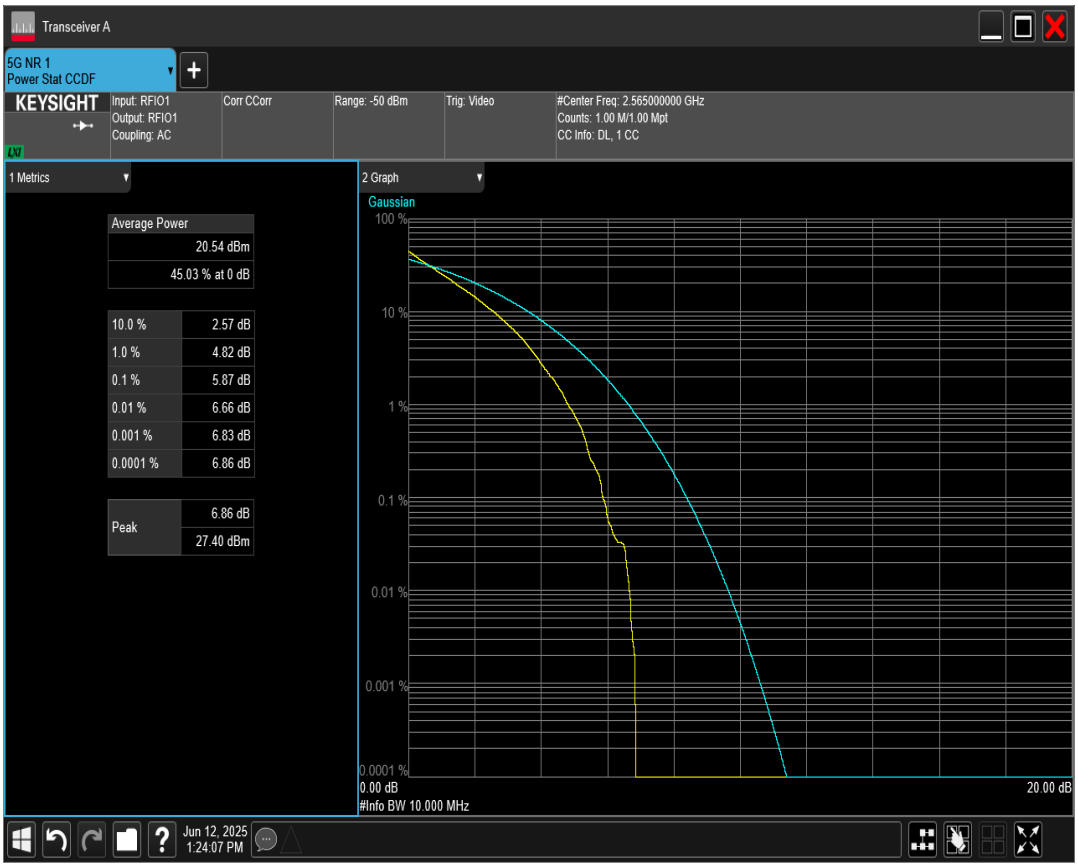

***n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=507000 RB=50@0***



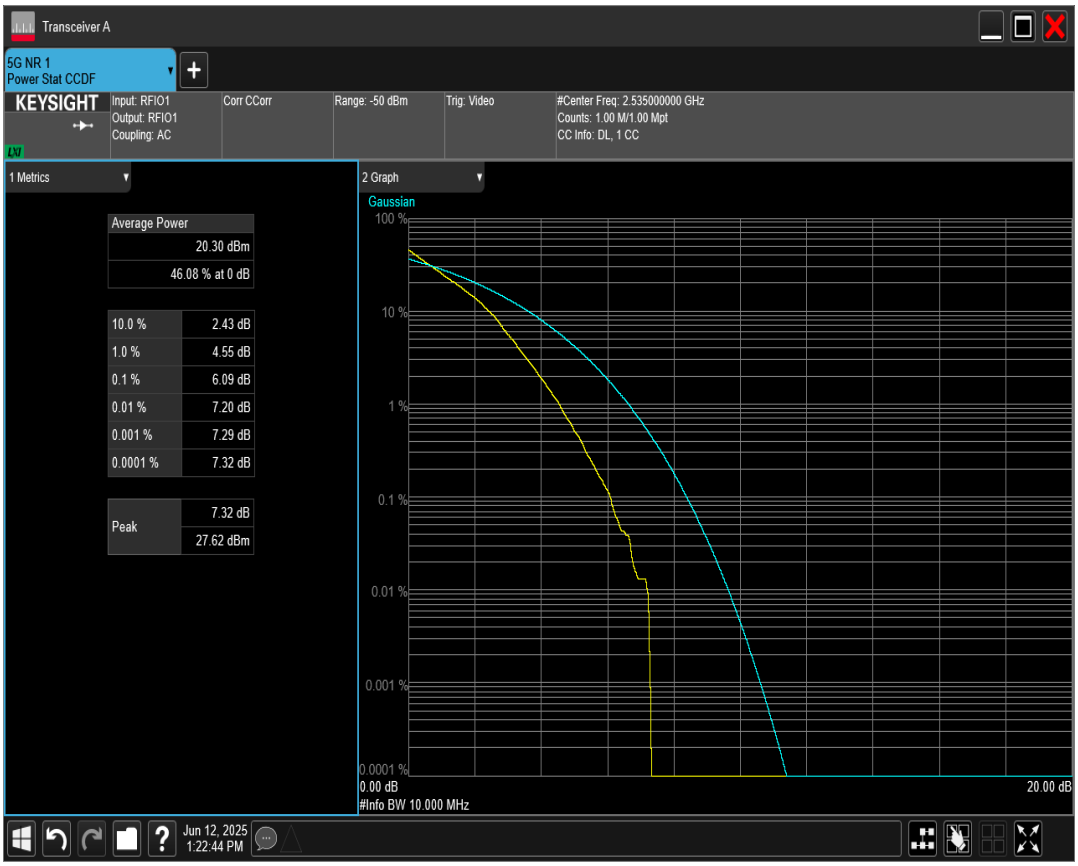

***n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=501000 RB=50@0***



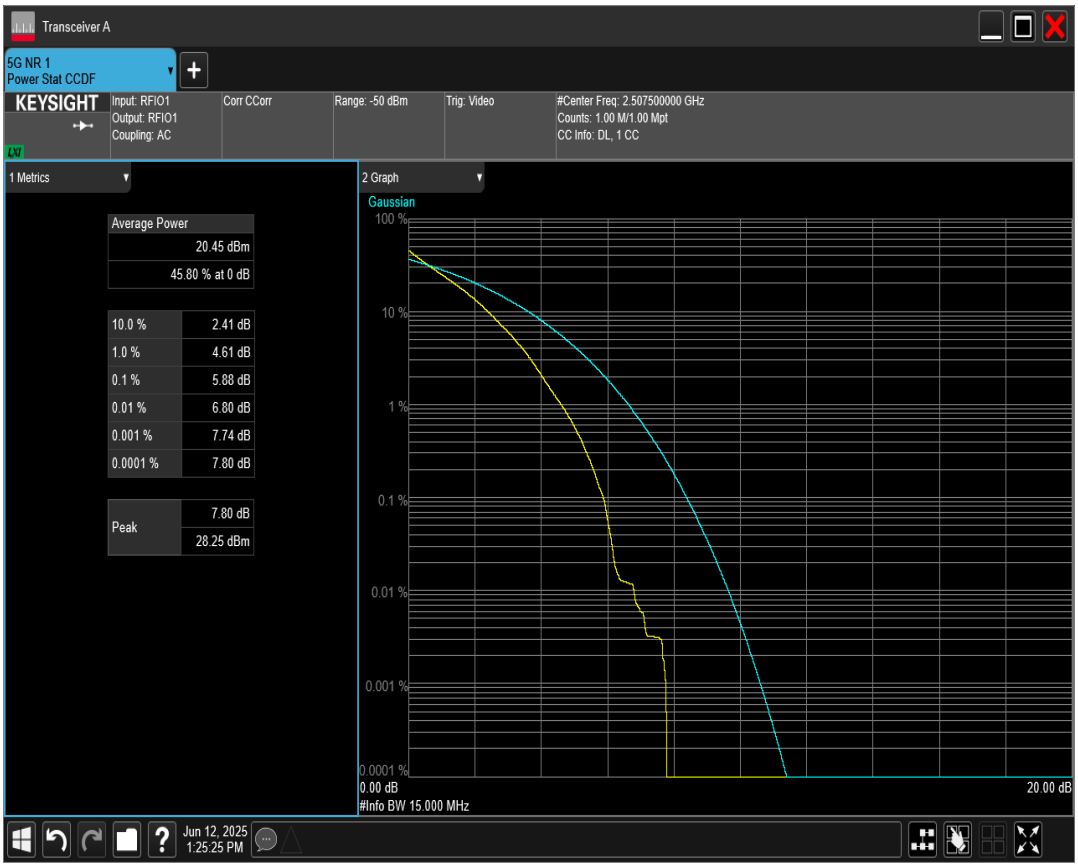

***n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=513000 RB=50@0***



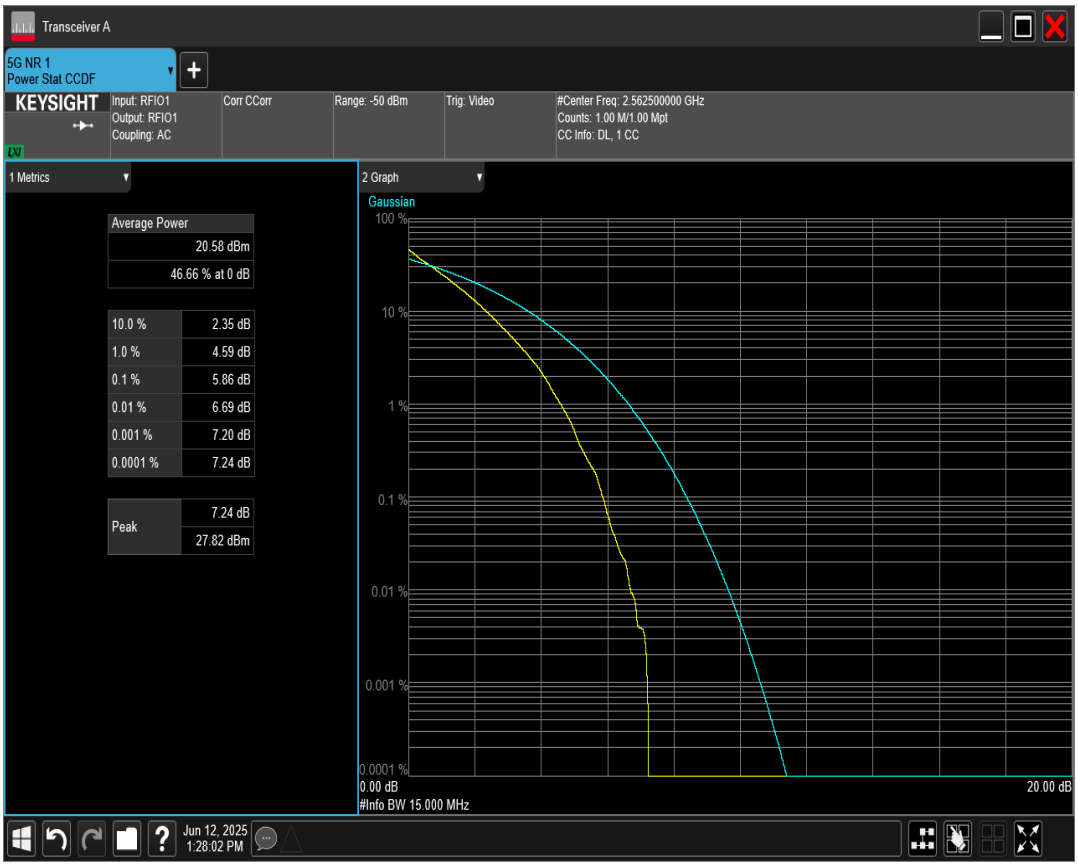

***n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=507000 RB=50@0***



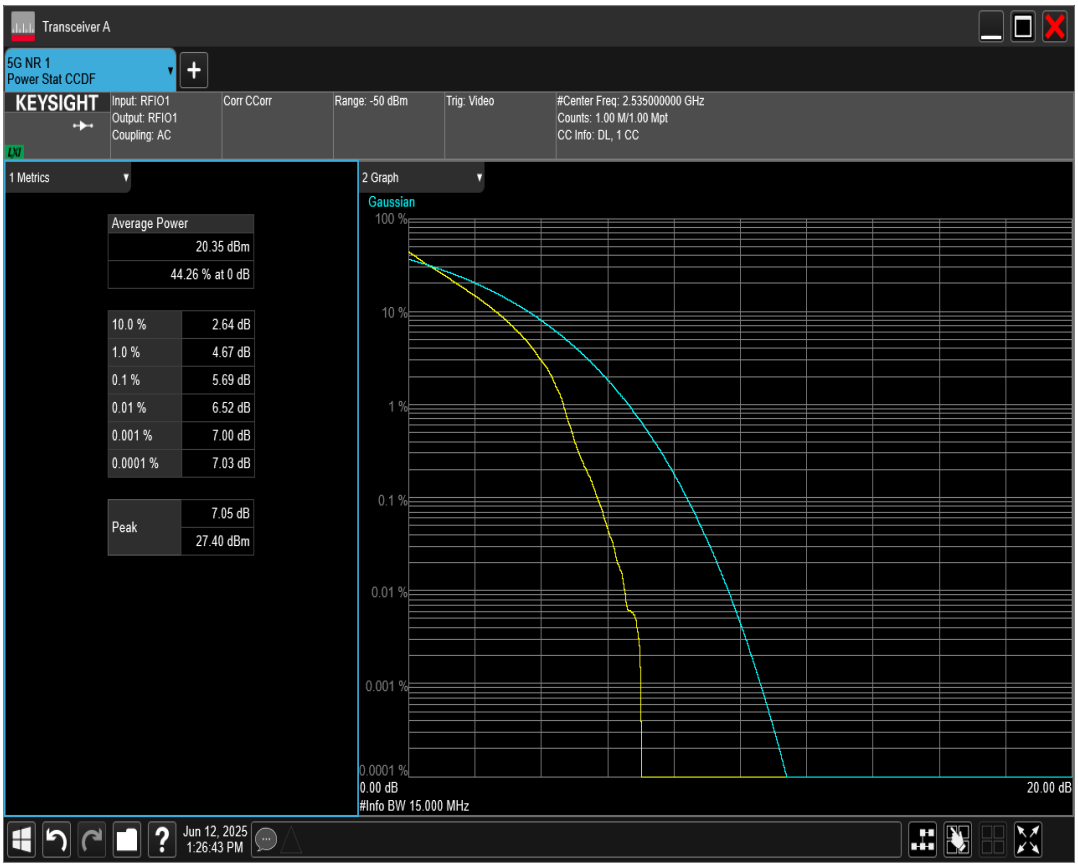

***n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=501500 RB=75@0***



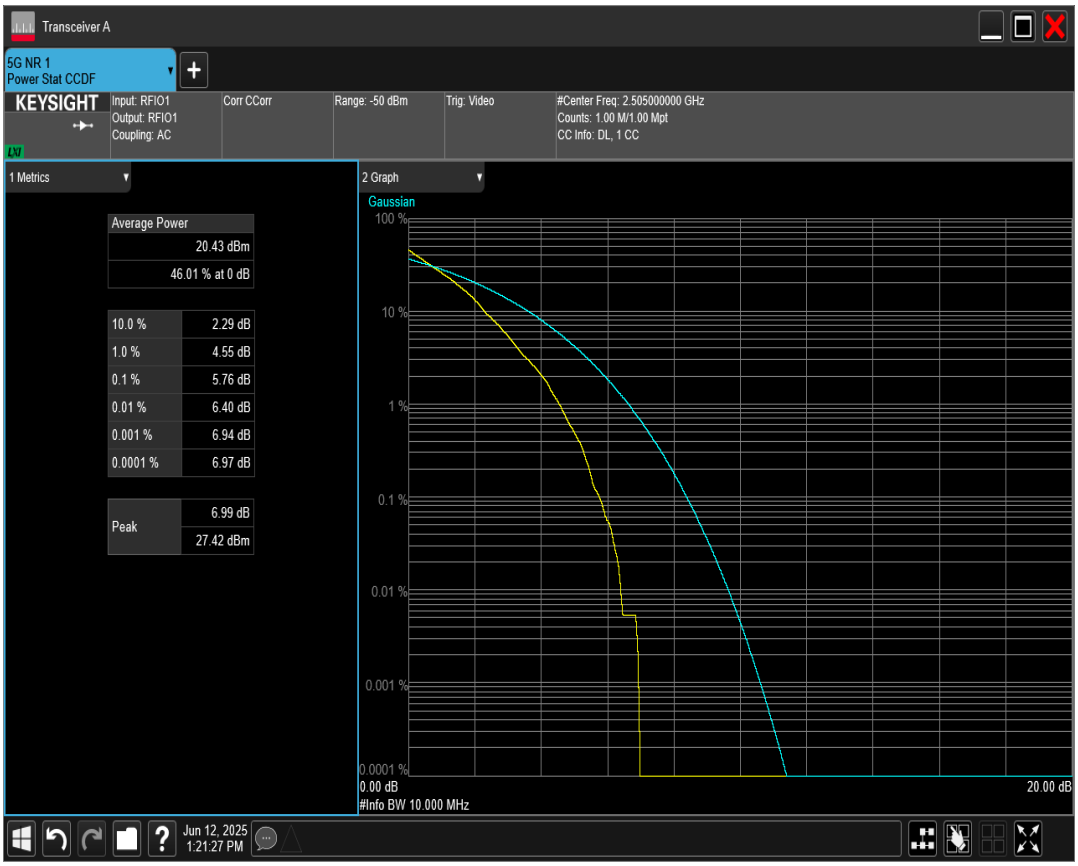

***n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=512500 RB=75@0***



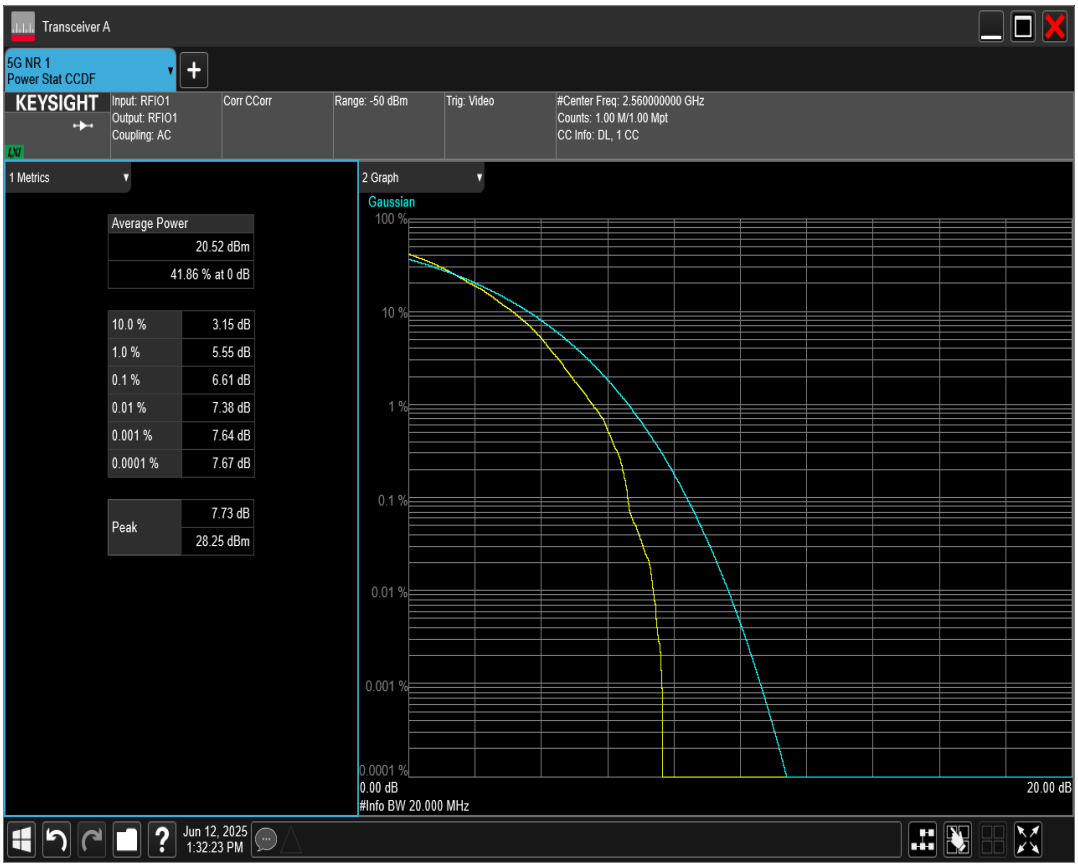

***n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0***



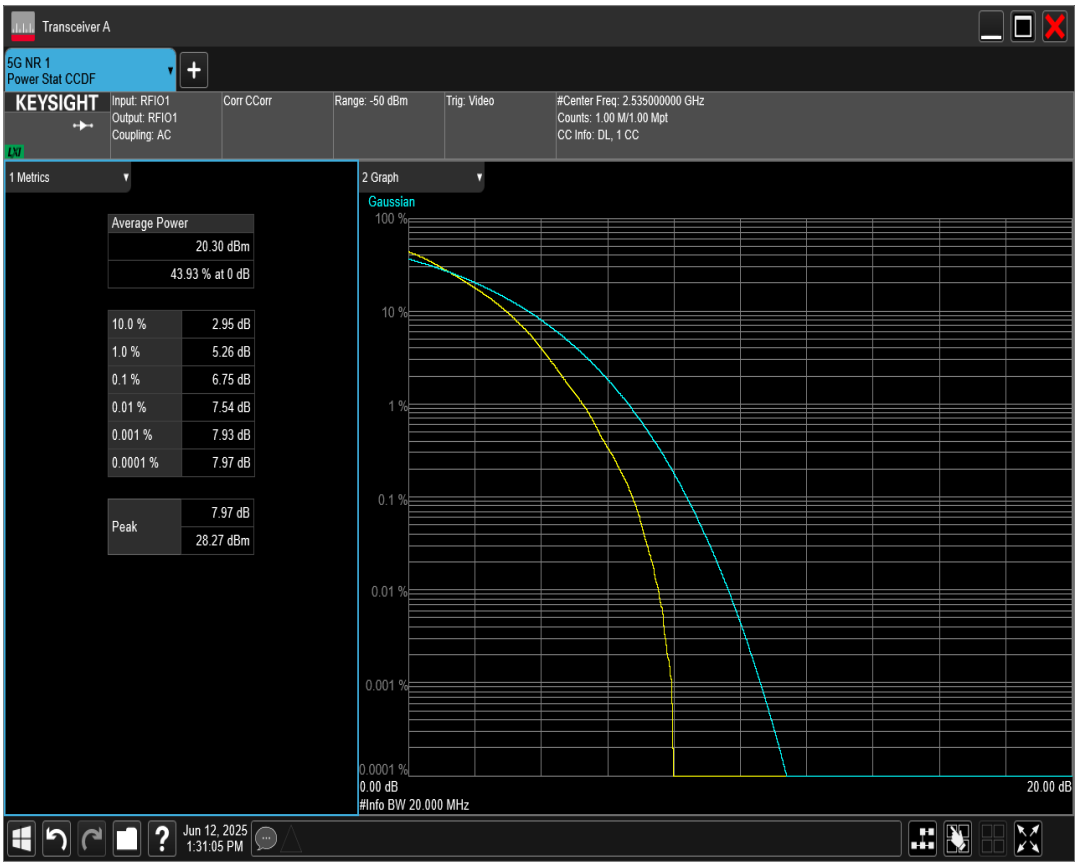

***n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=501000 RB=50@0***



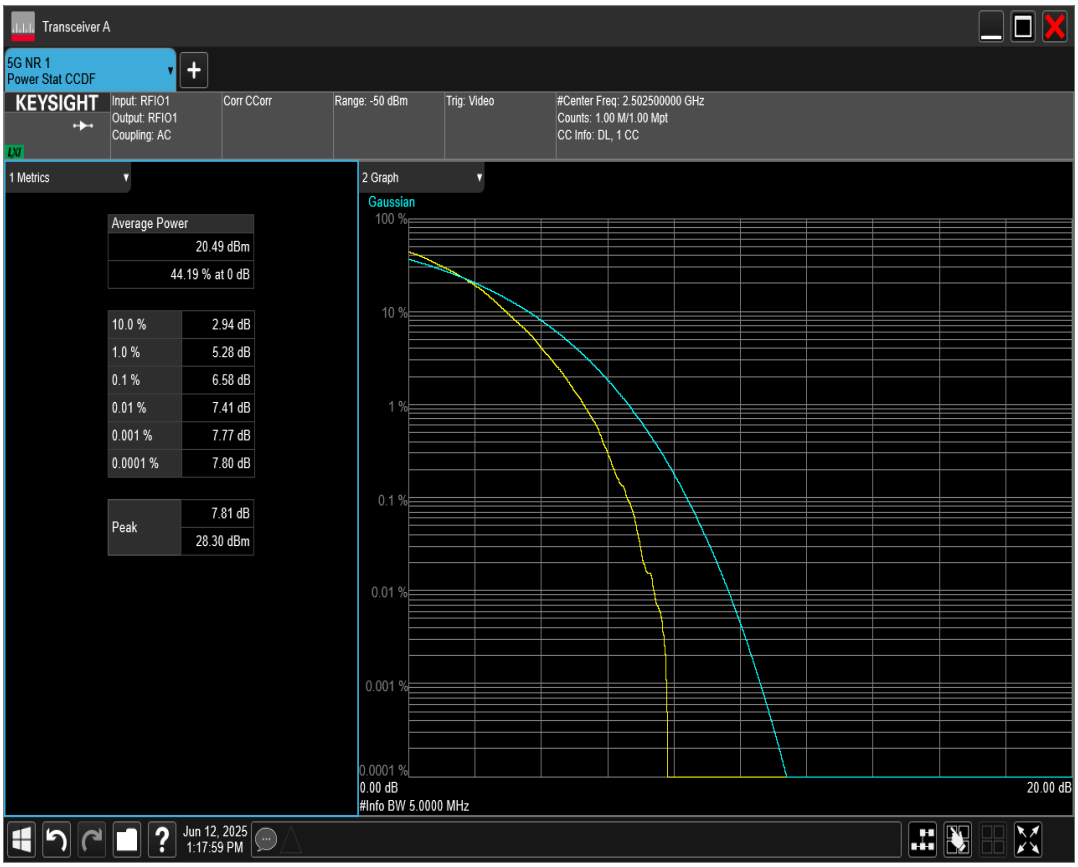

***n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=512000 RB=100@0***



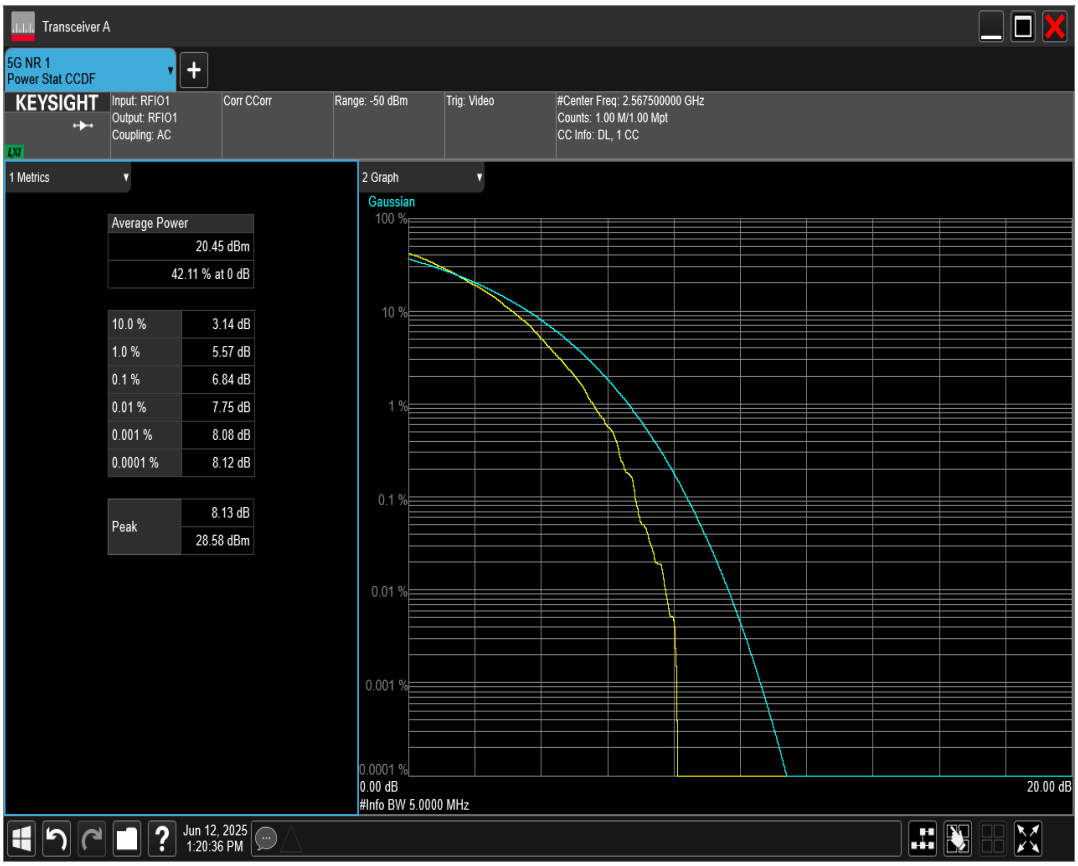

***n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0***



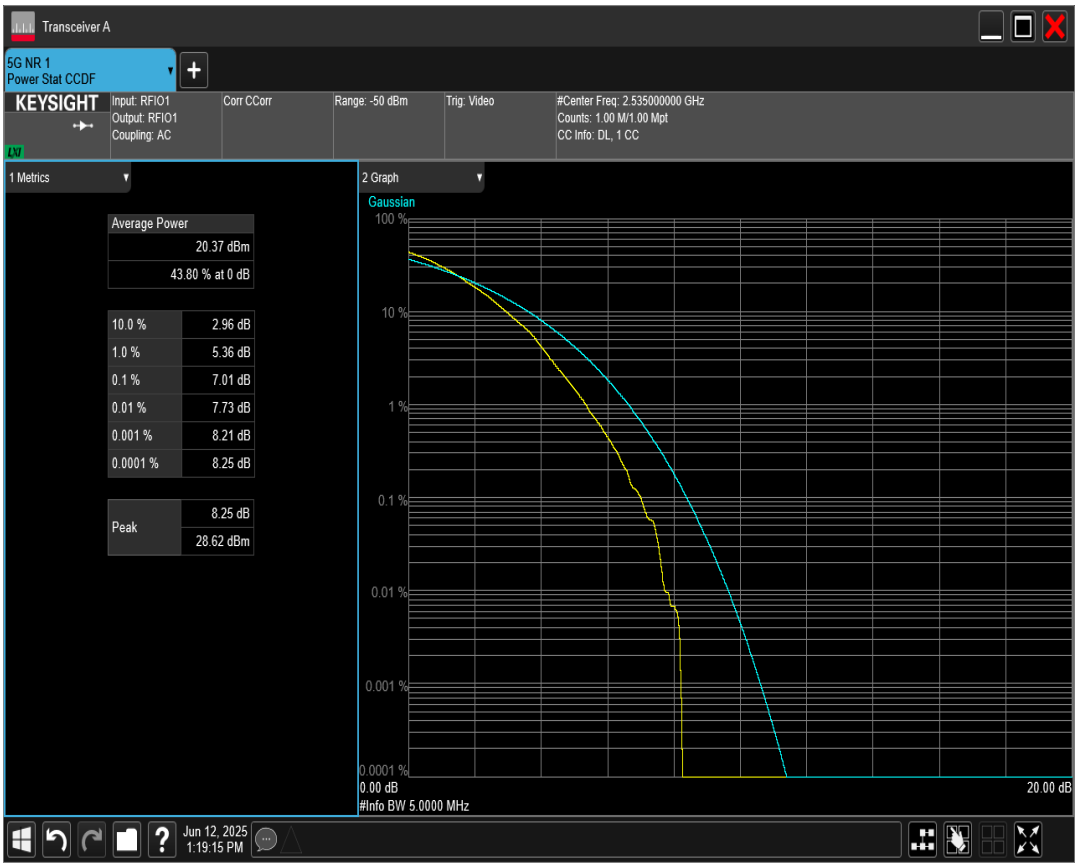

***n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=500500 RB=25@0***



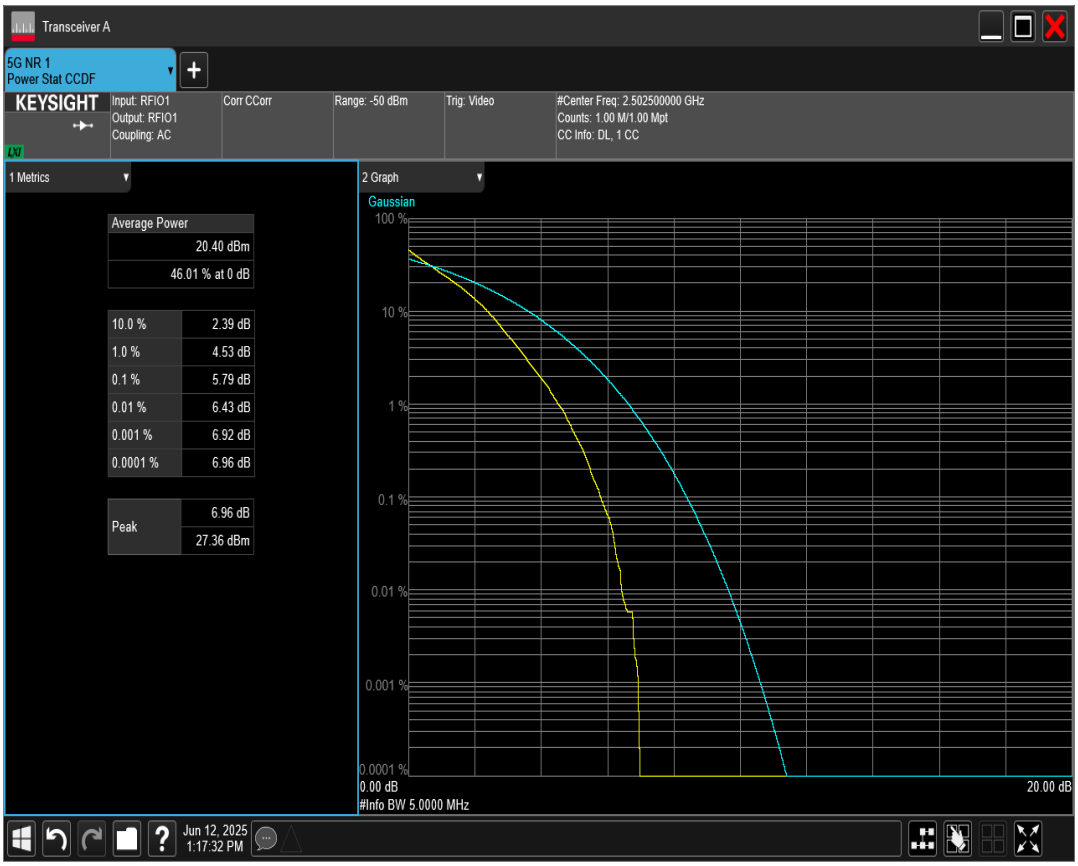

***n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=513500 RB=25@0***



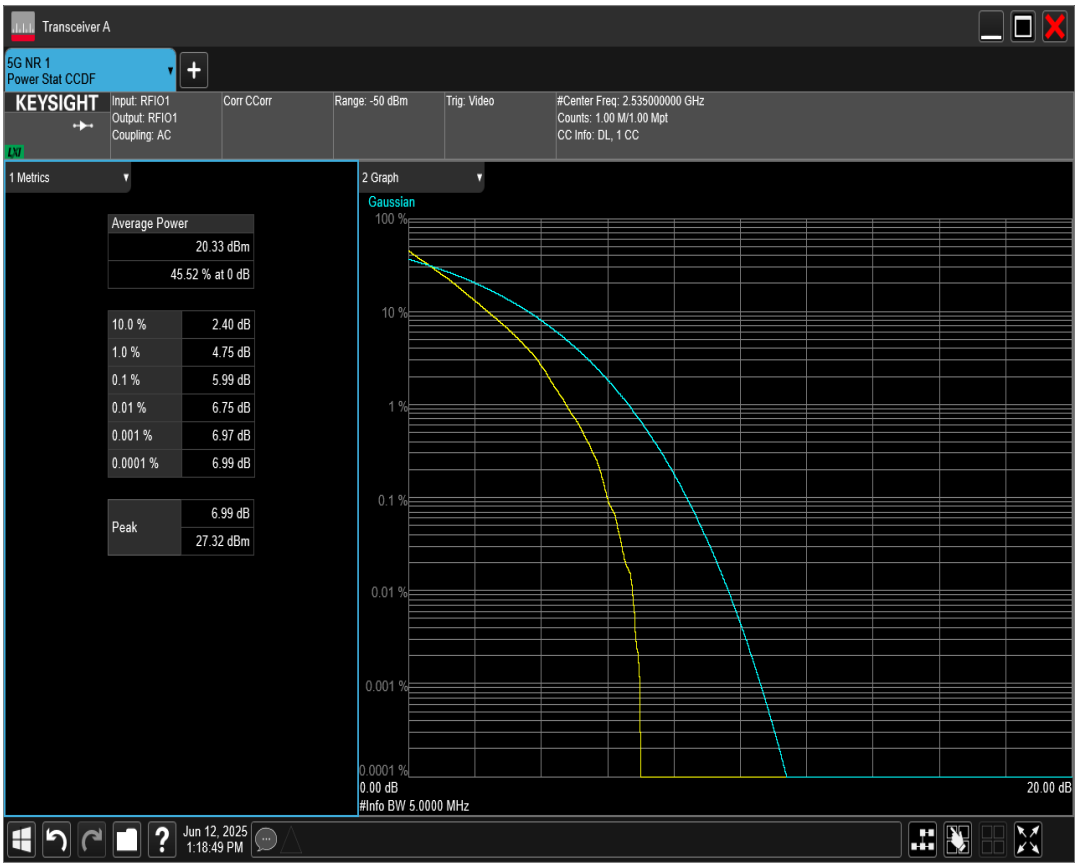

***n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=507000 RB=25@0***



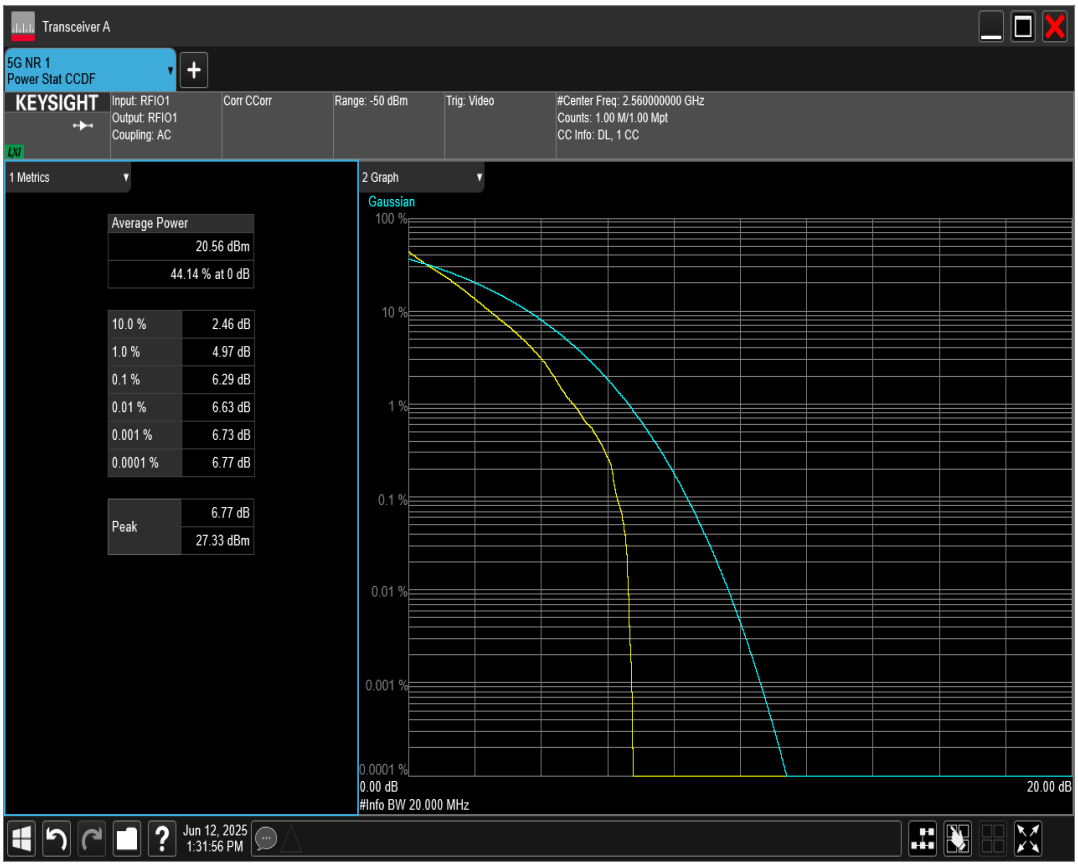

***n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=500500 RB=25@0***



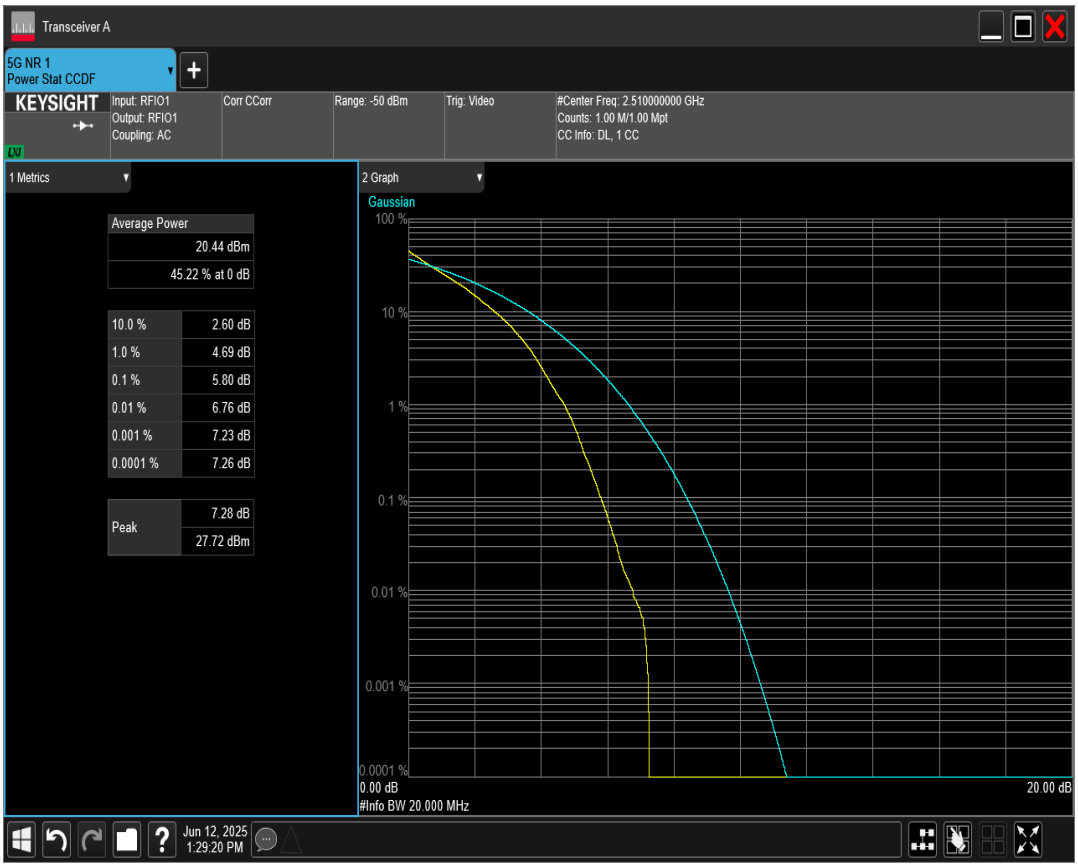

***n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0***



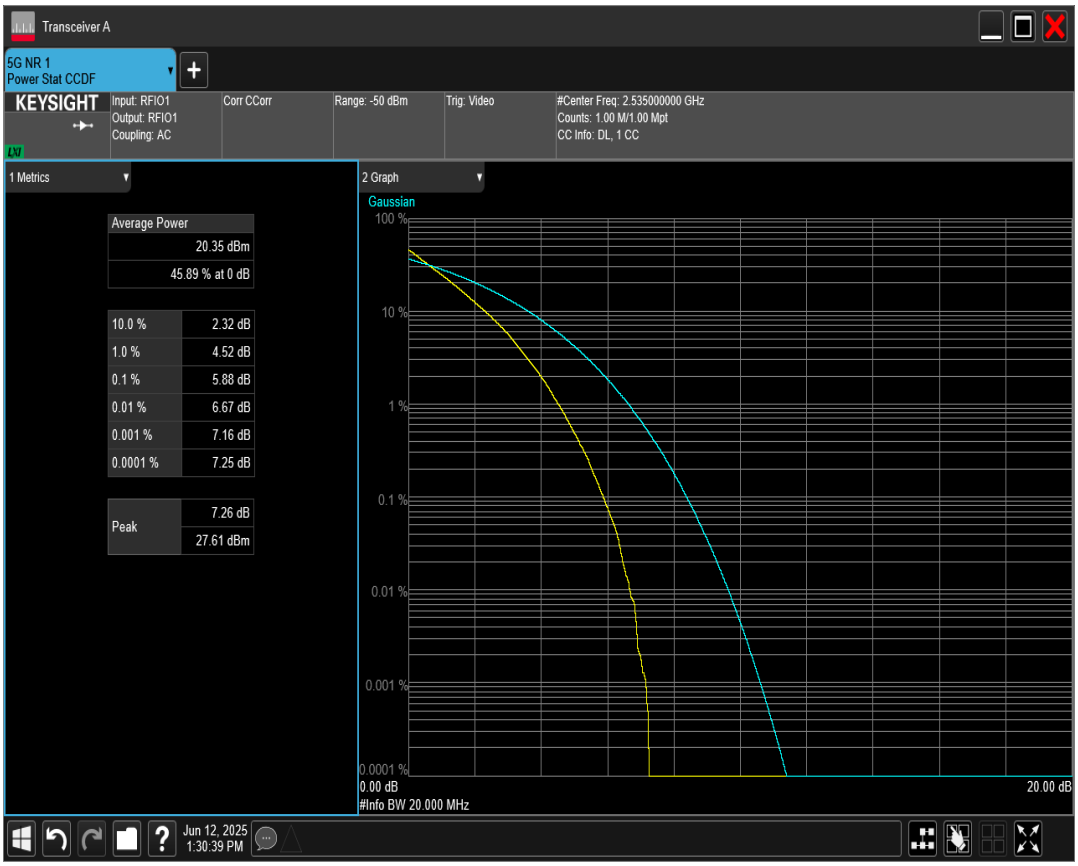

***n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=512000 RB=100@0***



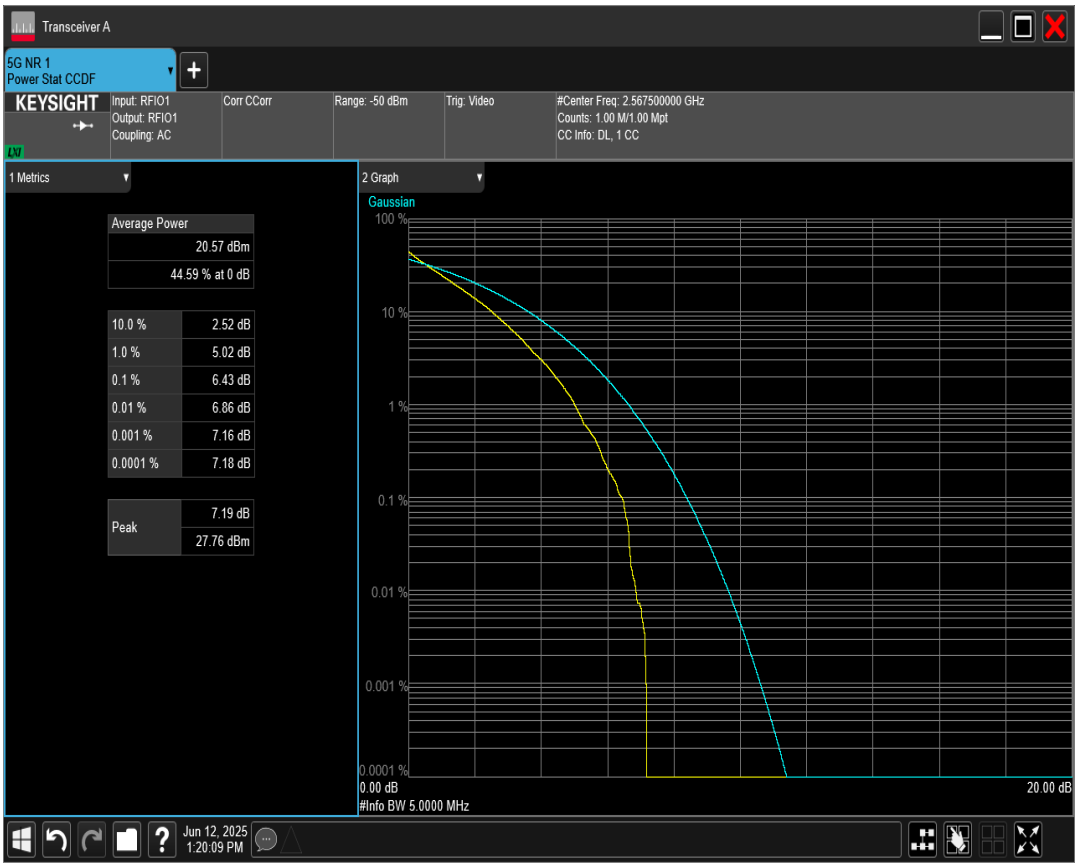

***n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=502000 RB=100@0***




***n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=507000 RB=100@0***




***n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=513500 RB=25@0***


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 2.567500000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
20.57 dBm
44.59 % at 0 dB
10.0 % 2.52 dB
1.0 % 5.02 dB
0.1 % 6.43 dB
0.01 % 6.86 dB
0.001 % 7.16 dB
0.0001 % 7.18 dB
Peak 7.19 dB
27.76 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 5.0000 MHz
Jun 12, 2025
1:20:09 PM

# 4 Occupied bandwidth for EN-DC

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | 99% OBW (MHz) | -26dB EBW (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_QAM16 BW=15MHz Channel=507000 RB=75@0***

***n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0***

***n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=507000 RB=25@0***

***n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=507000 RB=100@0***

***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_BPSK BW=5MHz Channel=507000 RB=25@0***

***n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0***

***n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0***

*n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=507000 RB=75@0*

*n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=507000 RB=25@0*

***n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0***

***n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=507000 RB=50@0***

*n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=507000 RB=75@0*

*n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=507000 RB=50@0*

*n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0*

*n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=507000 RB=50@0*

***n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=507000 RB=25@0***

***n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0***

***n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=507000 RB=100@0***

# 5 Band edge for EN-DC

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 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=501500 RB=79@0***