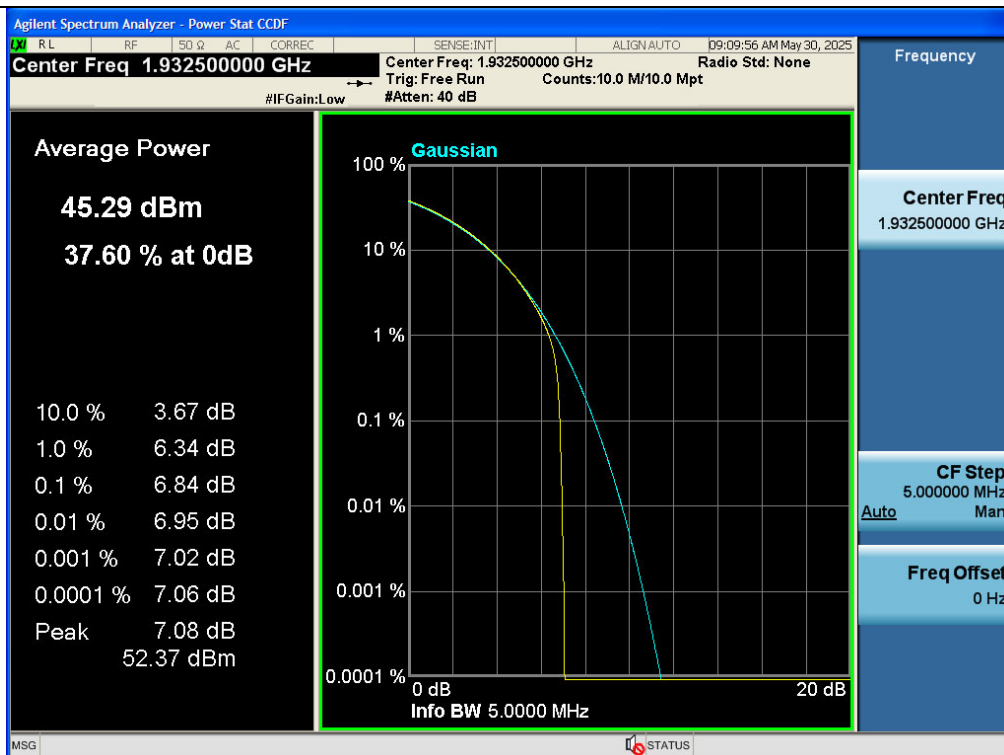
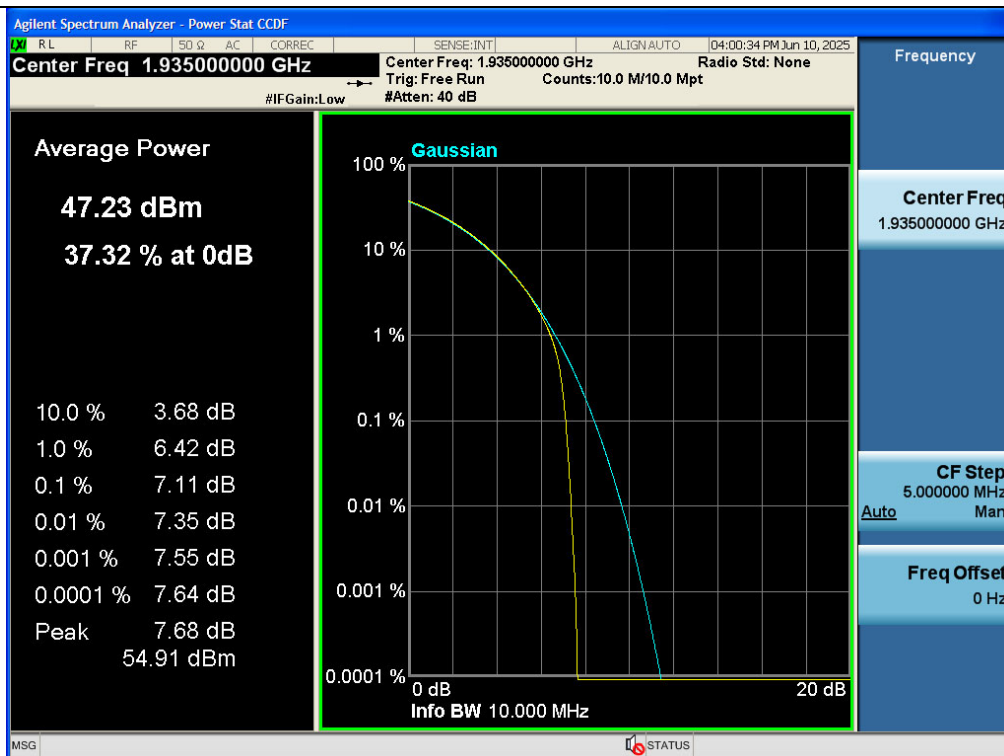


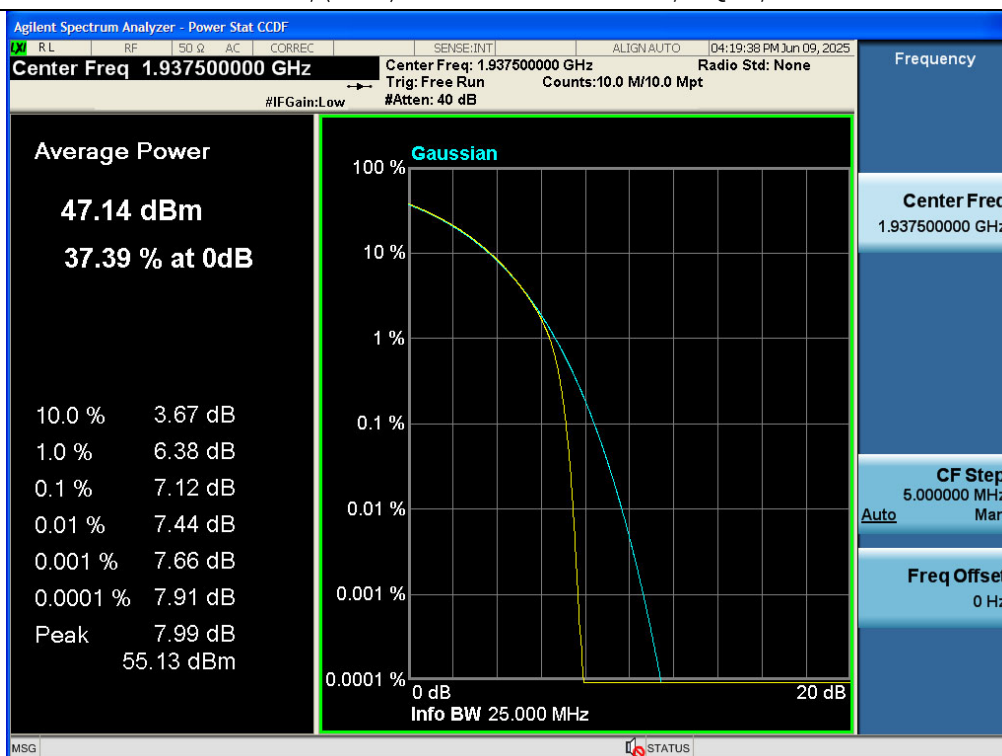
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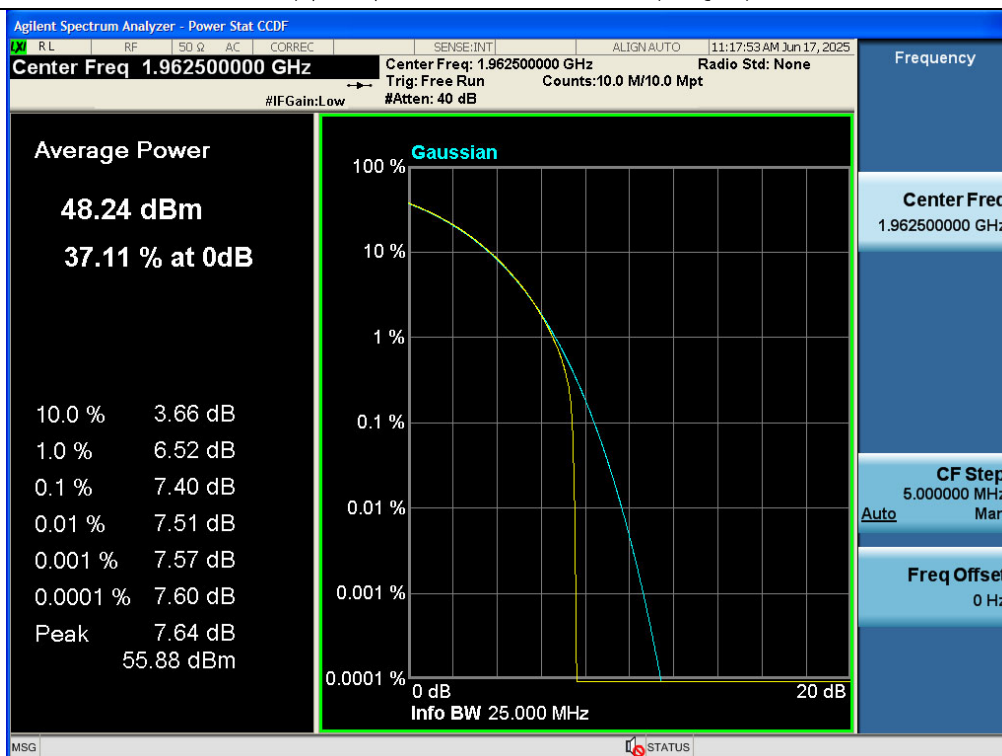
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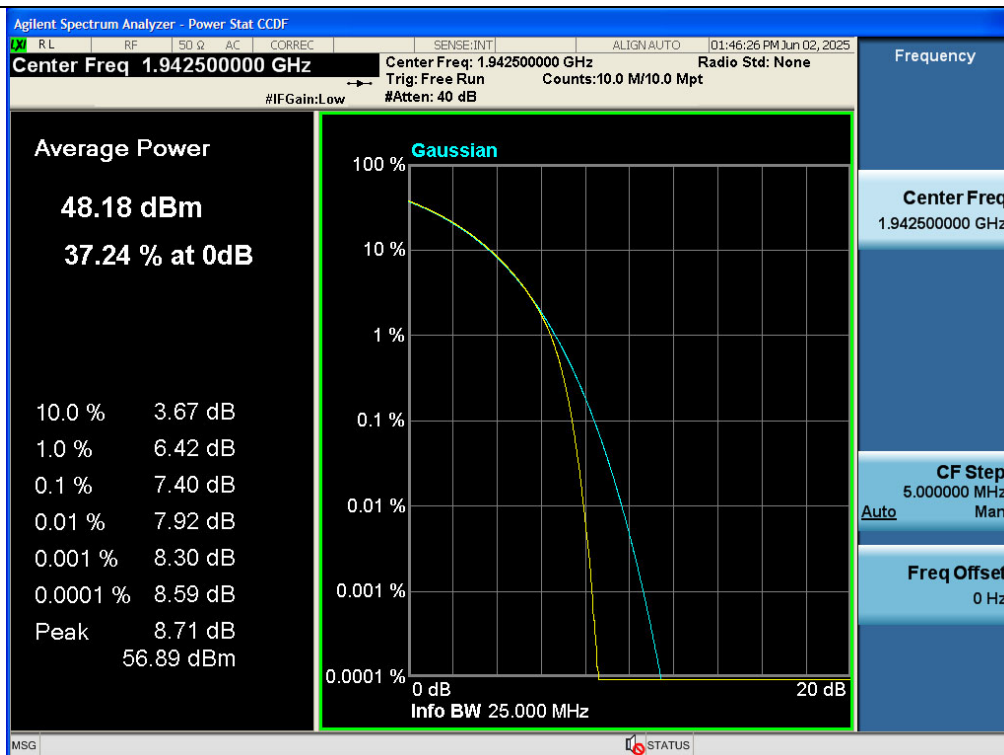
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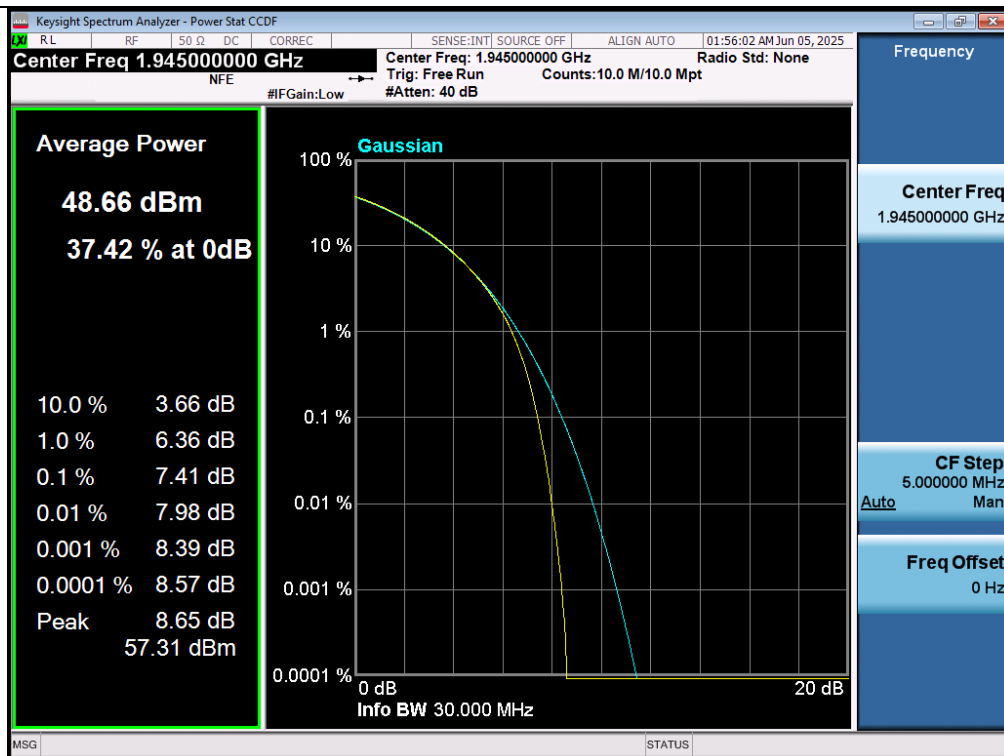
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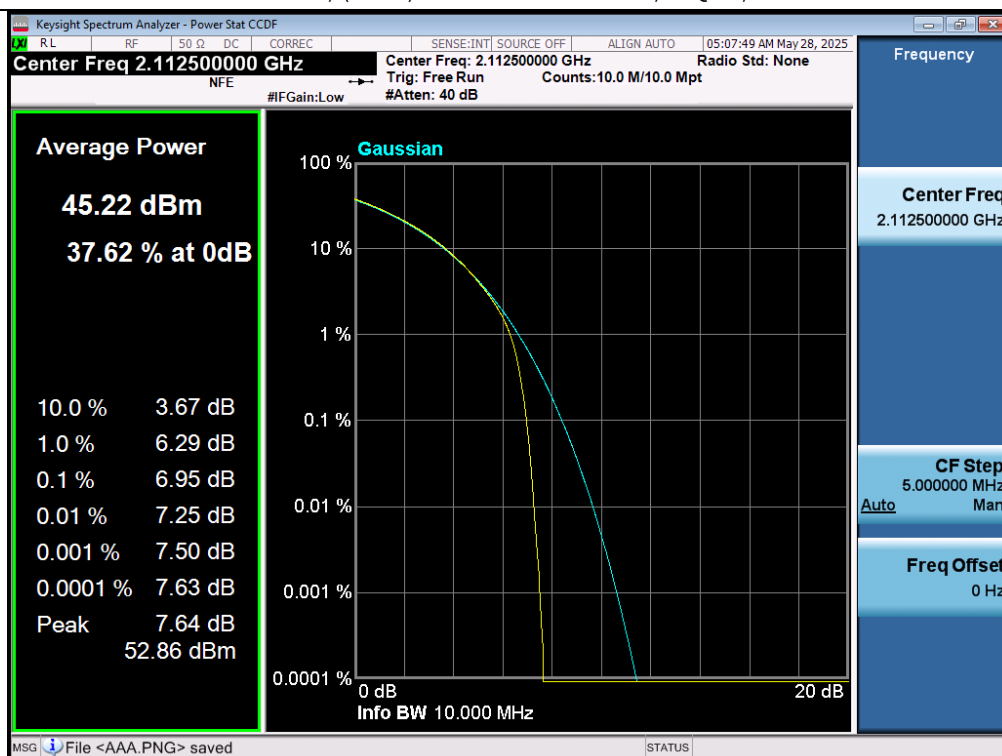
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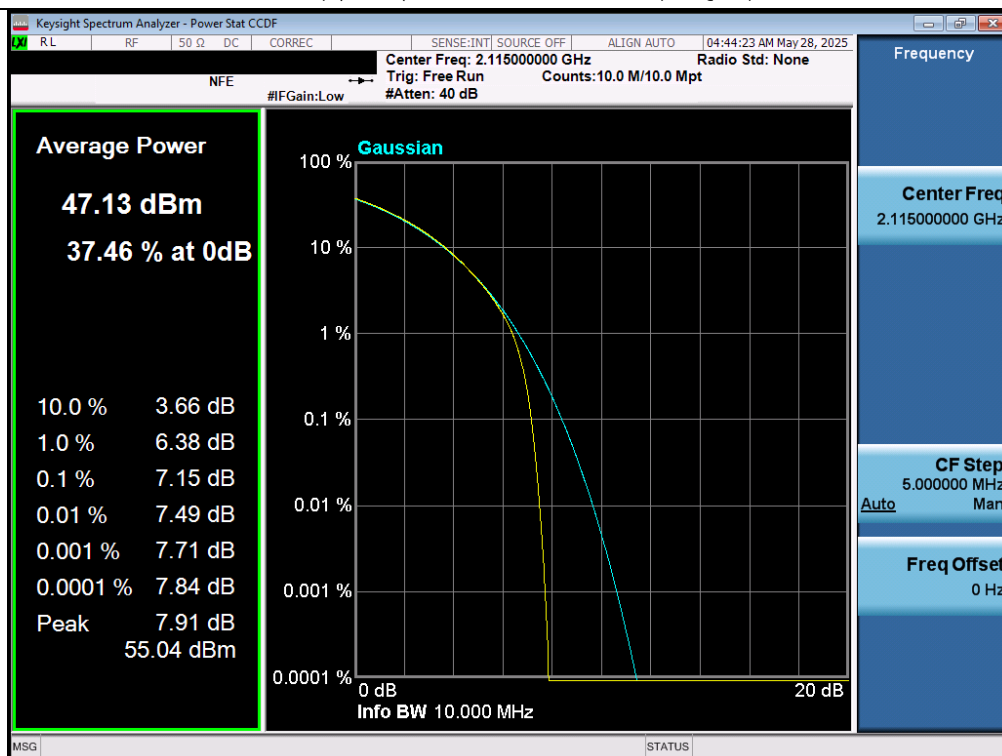
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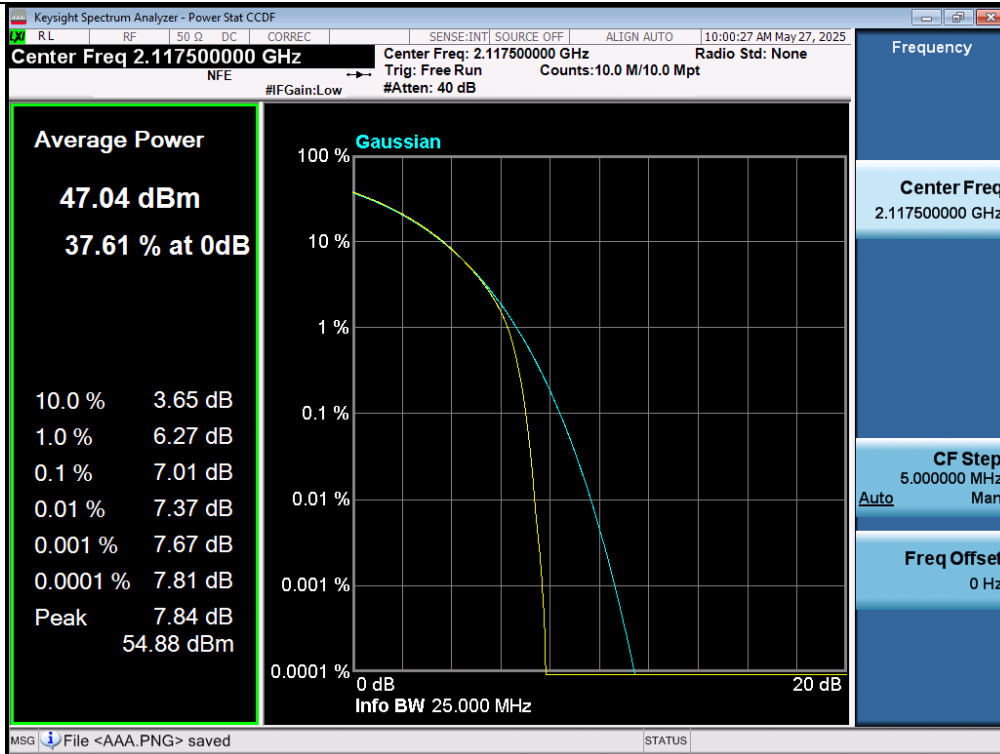
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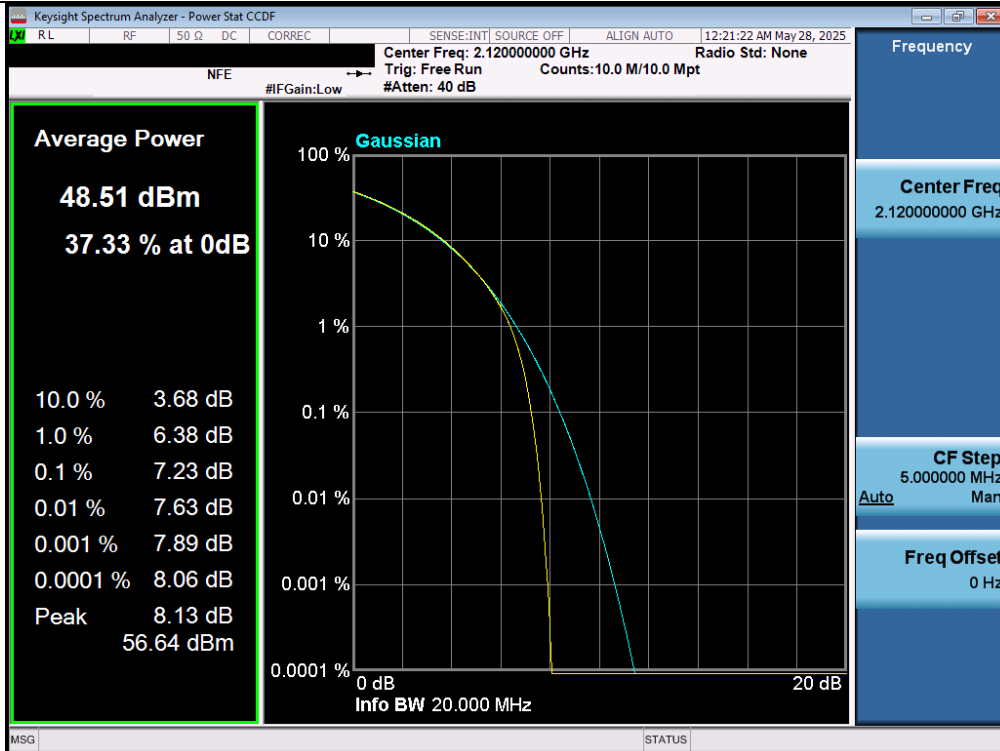
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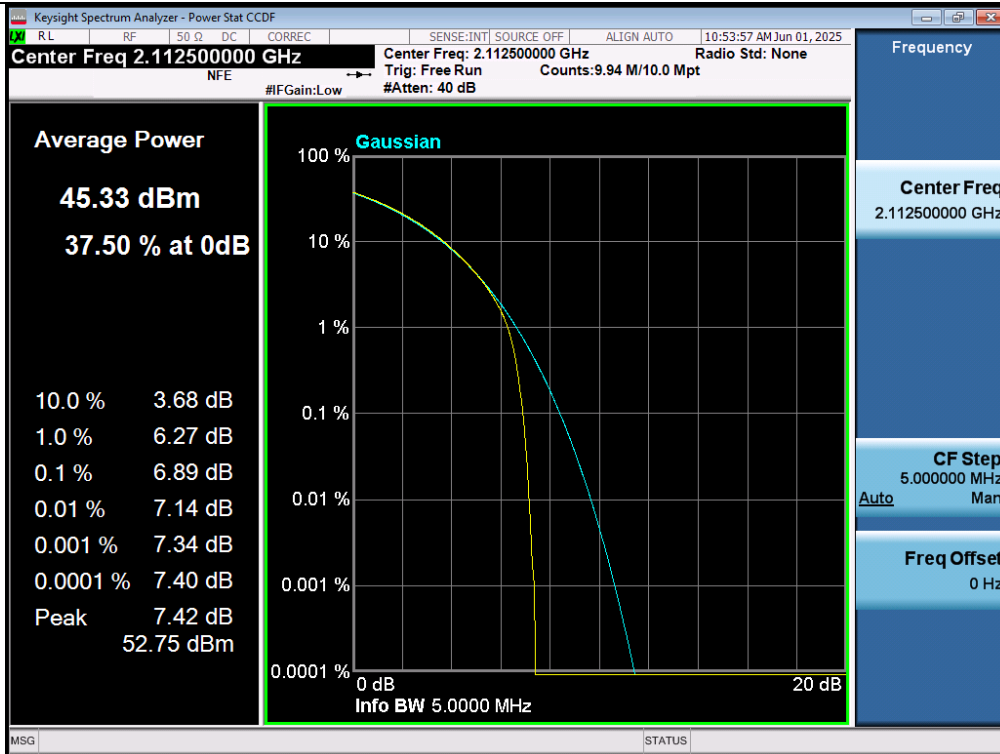
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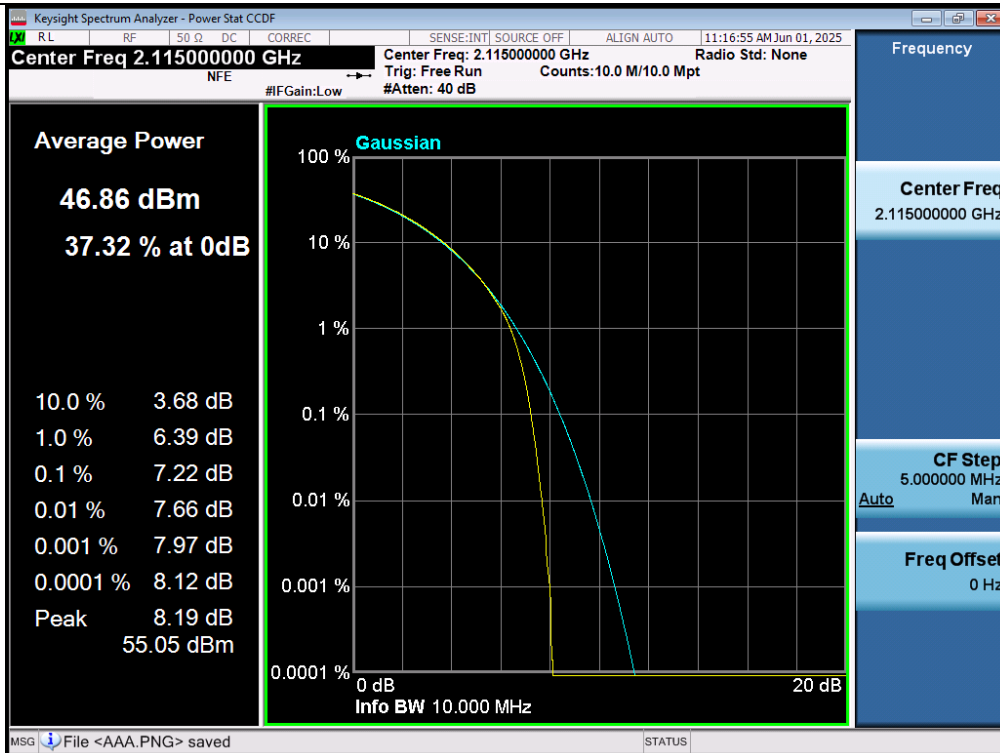
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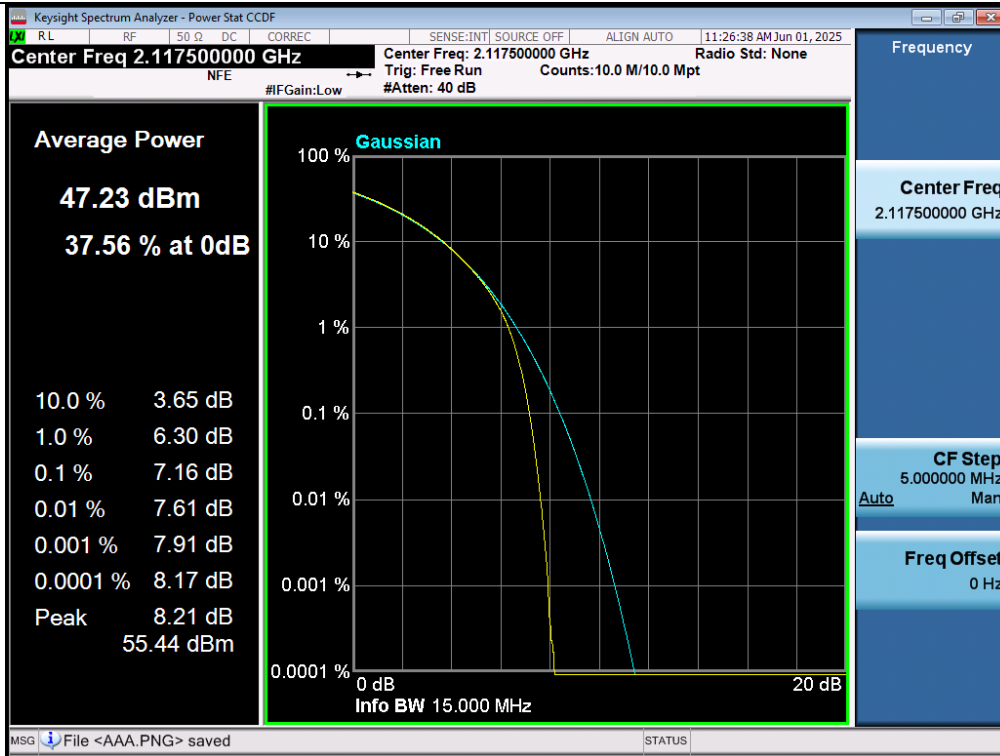
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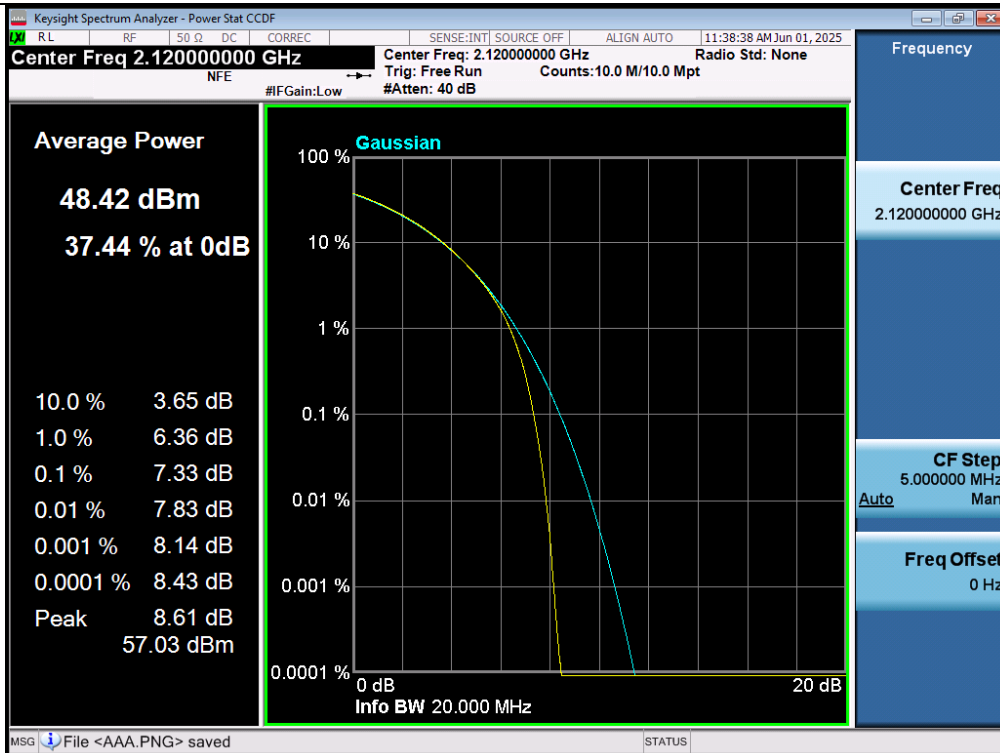
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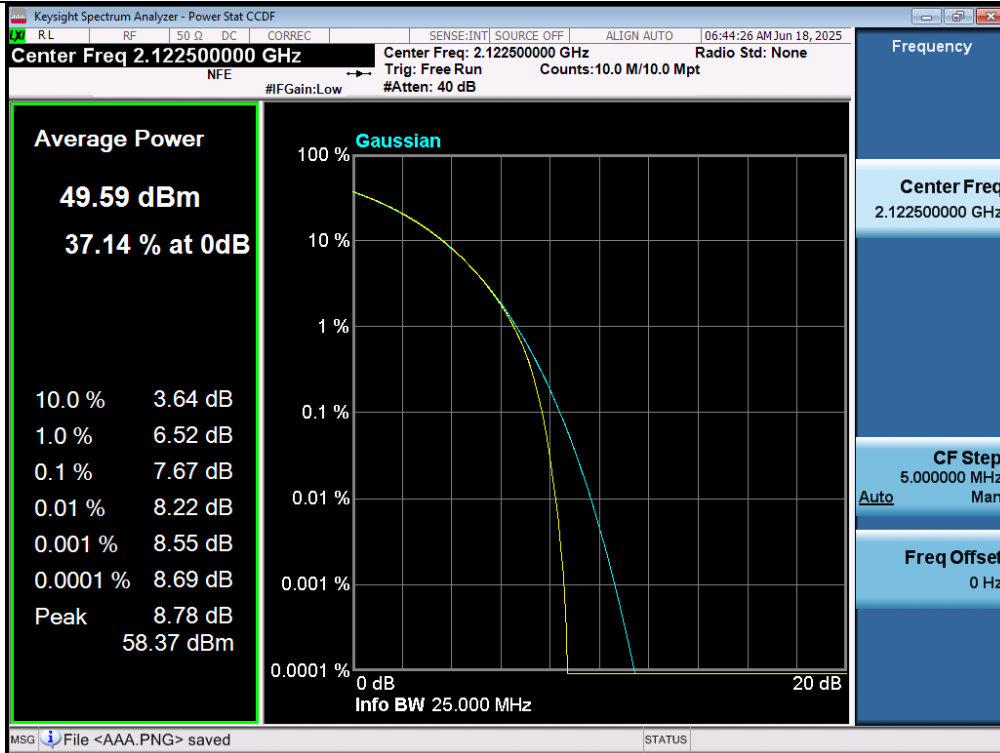
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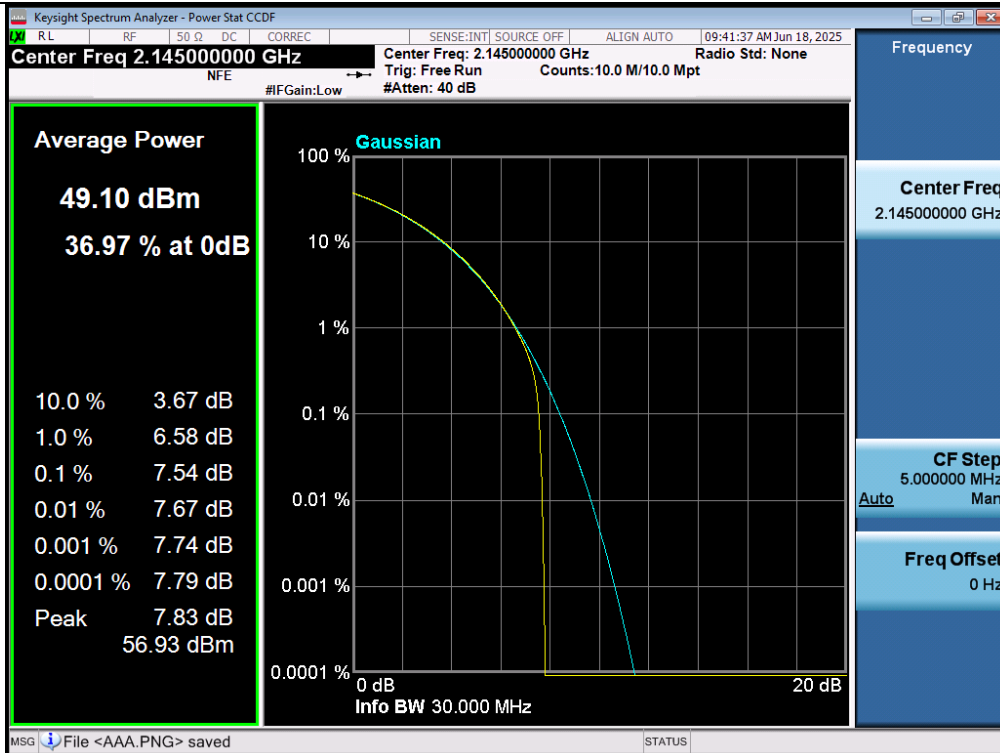
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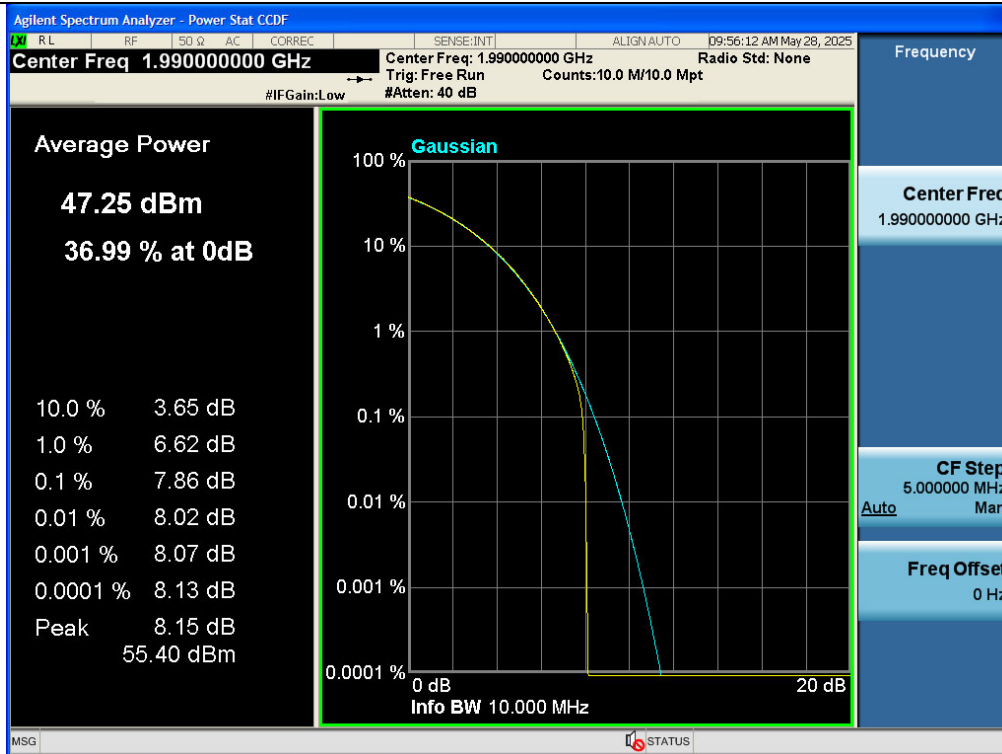
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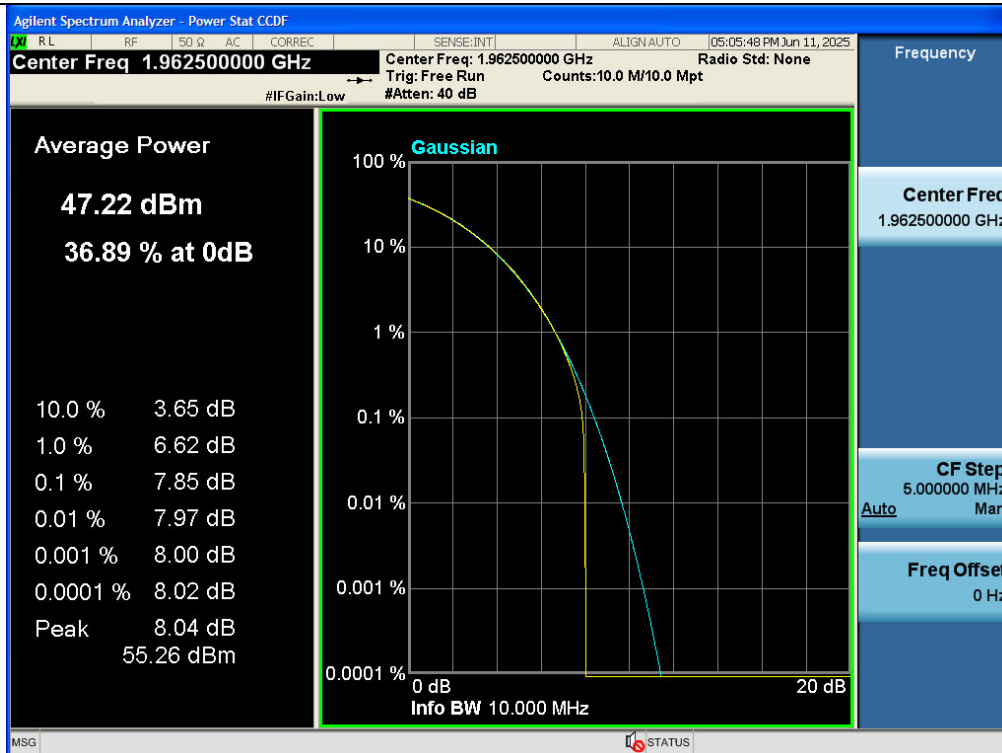
Antenna 2 / (4 Port) n66 5G NR 30 MHz 1 Carrier / 64QAM / Middle



Antenna 2 / (4 Port) LTE B25 5 MHz 1 Carrier + LTE B25 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Contiguous



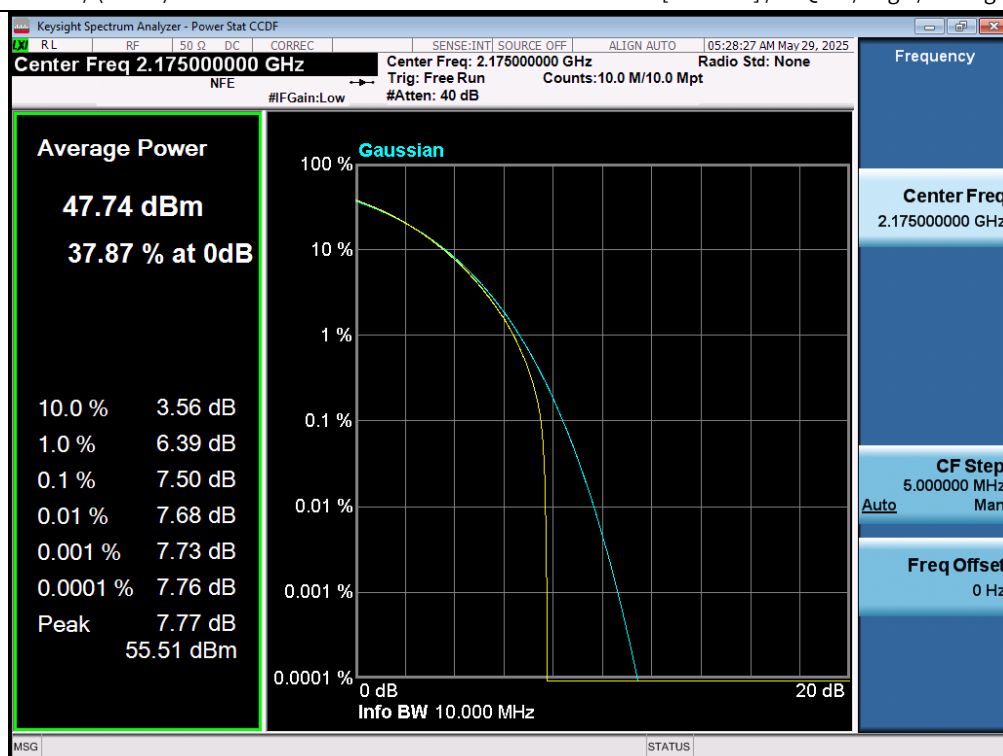
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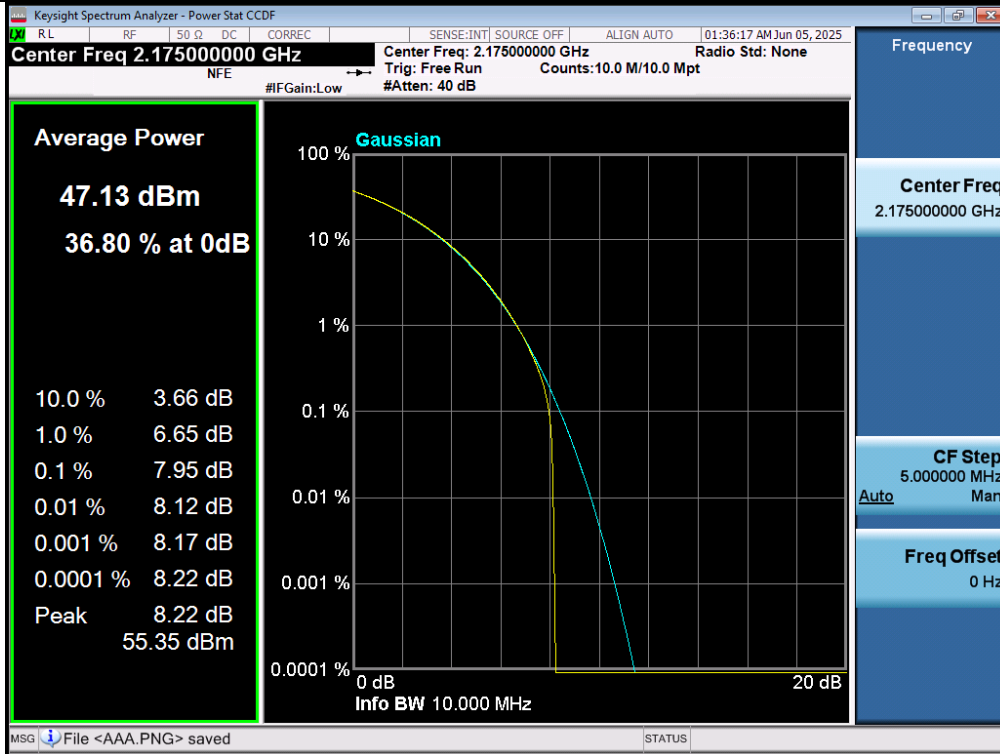
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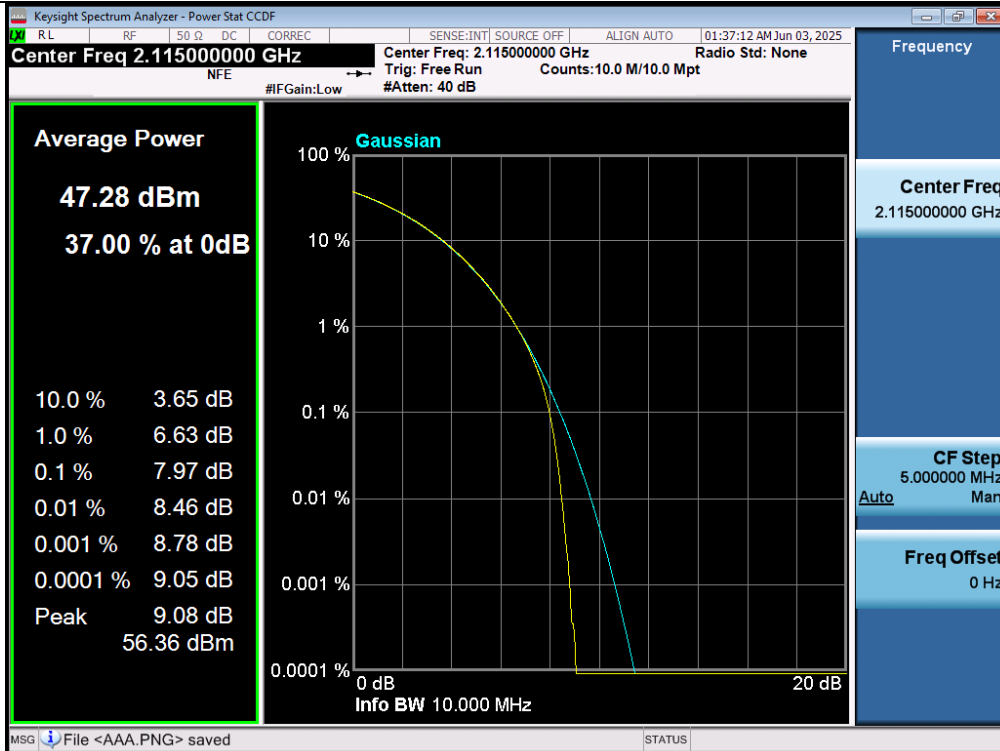
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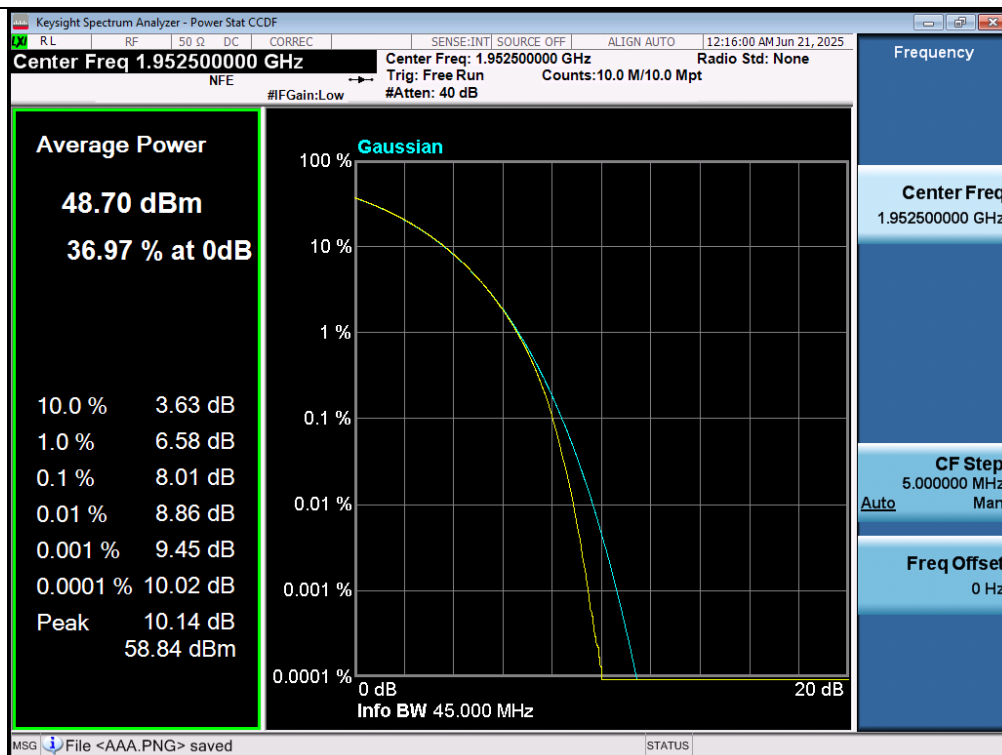
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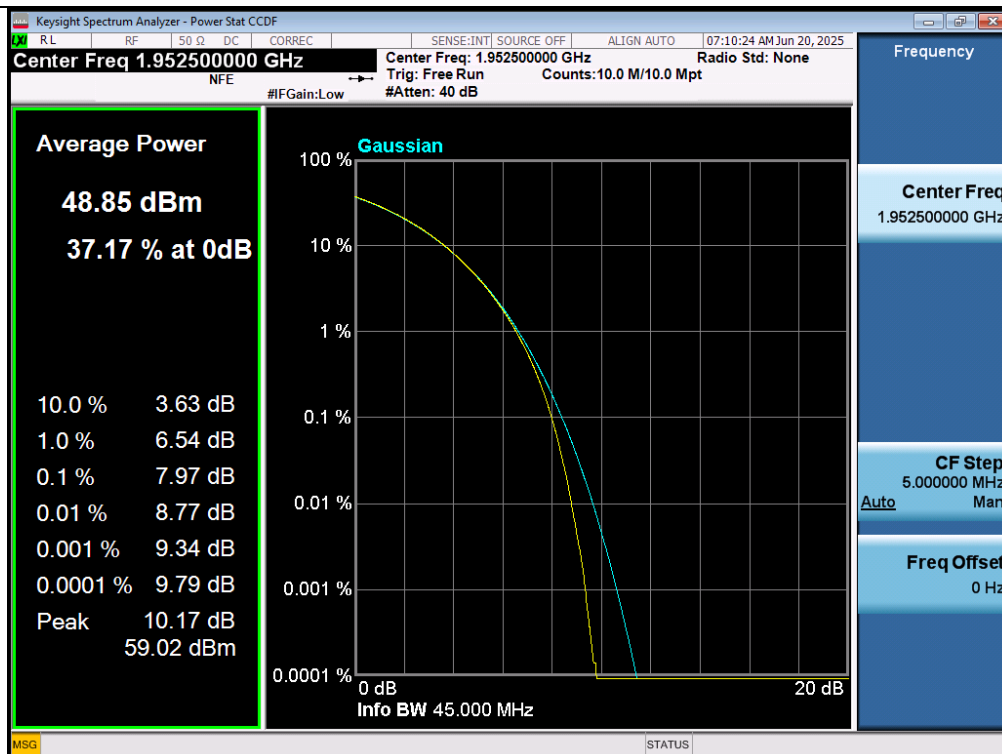
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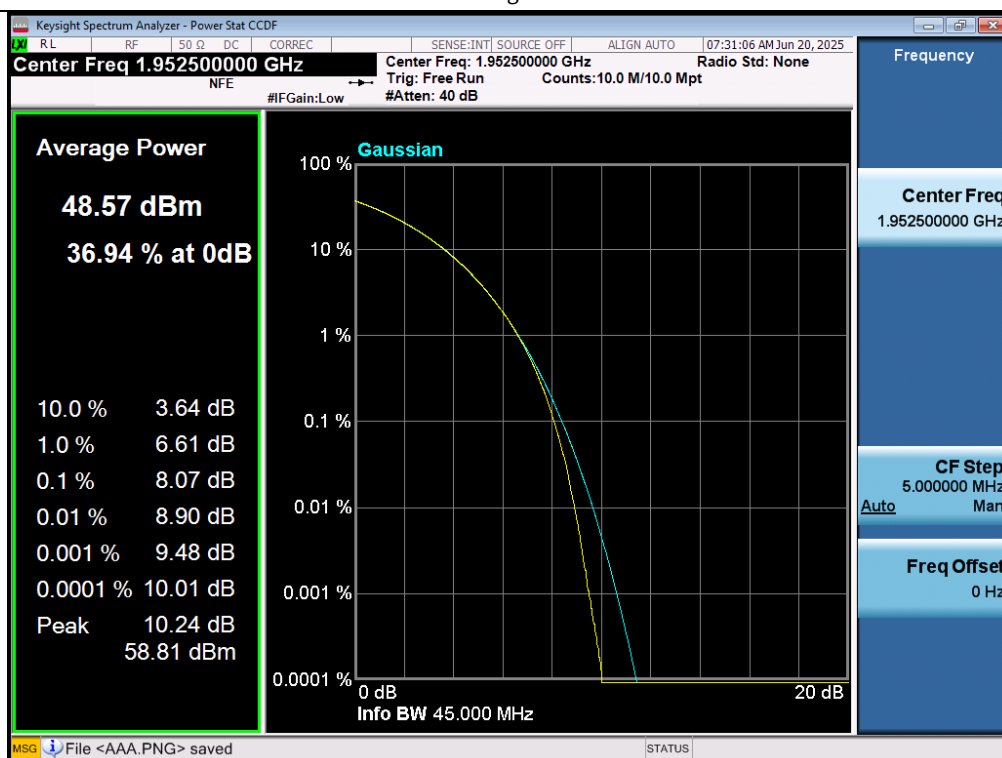
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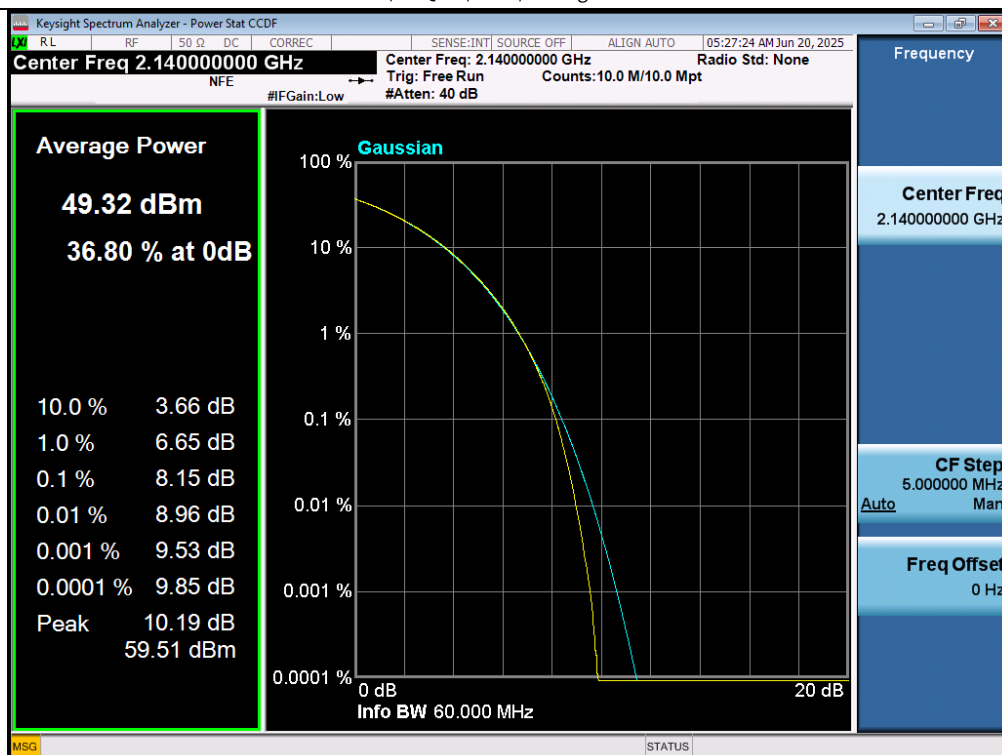
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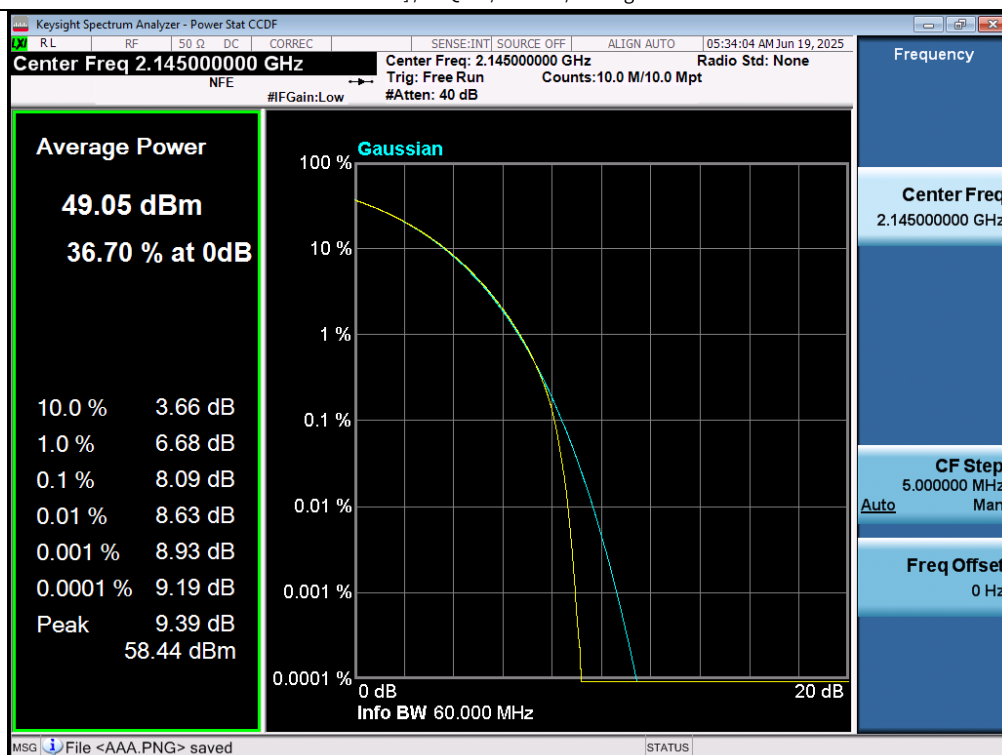
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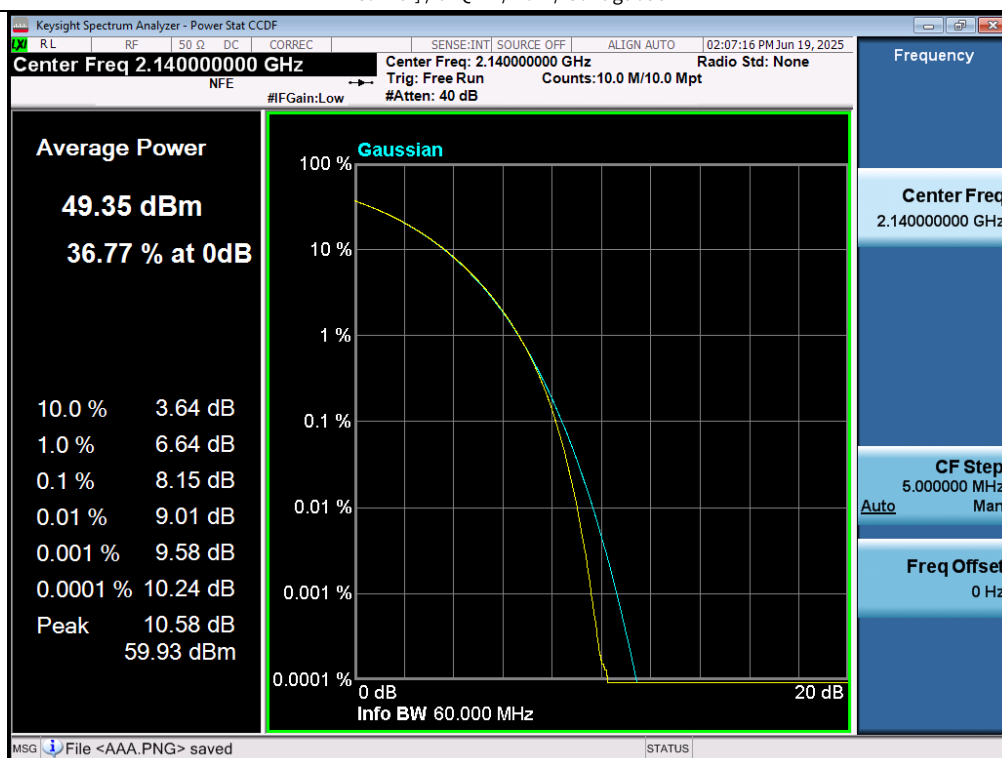
Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier] / 64QAM / Low / Contiguous



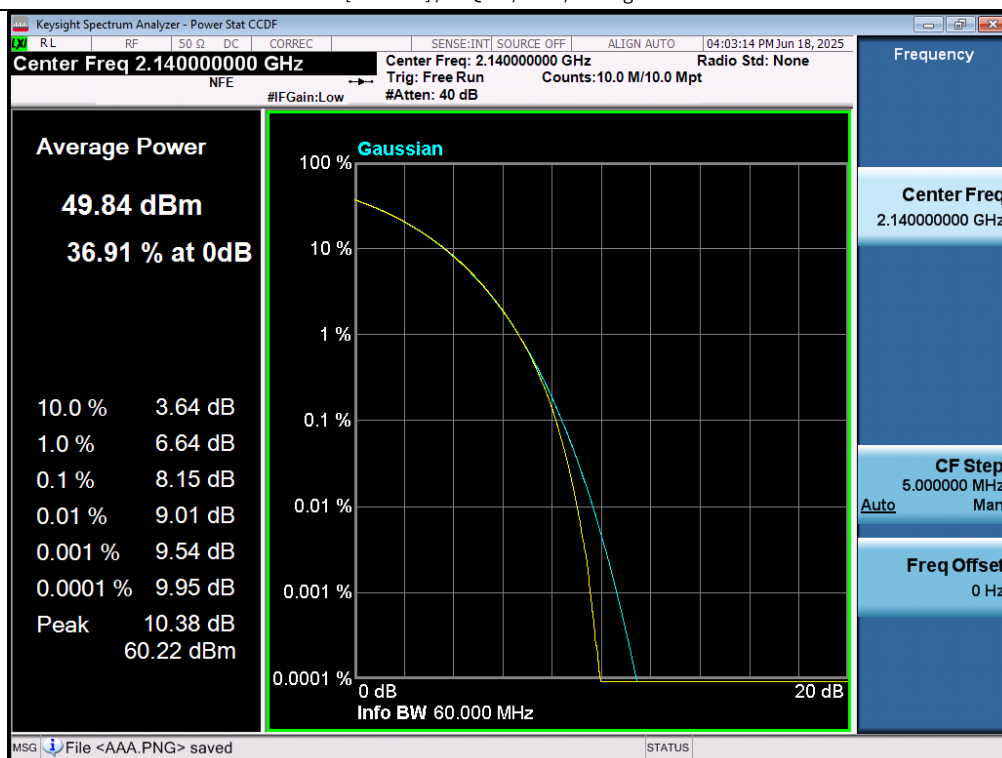
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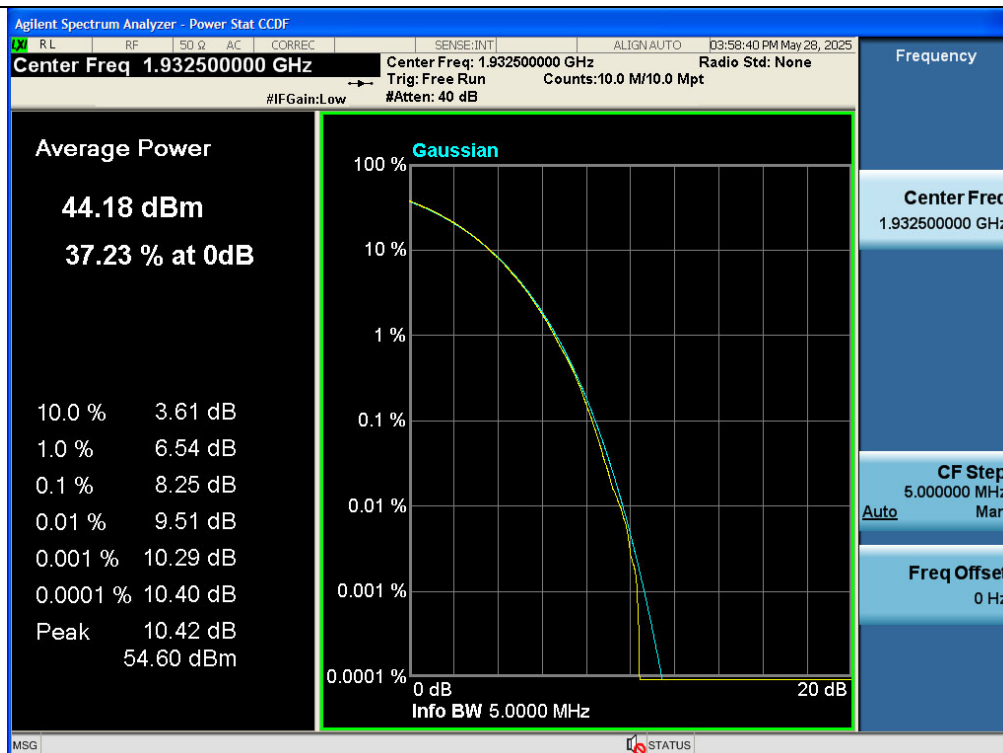
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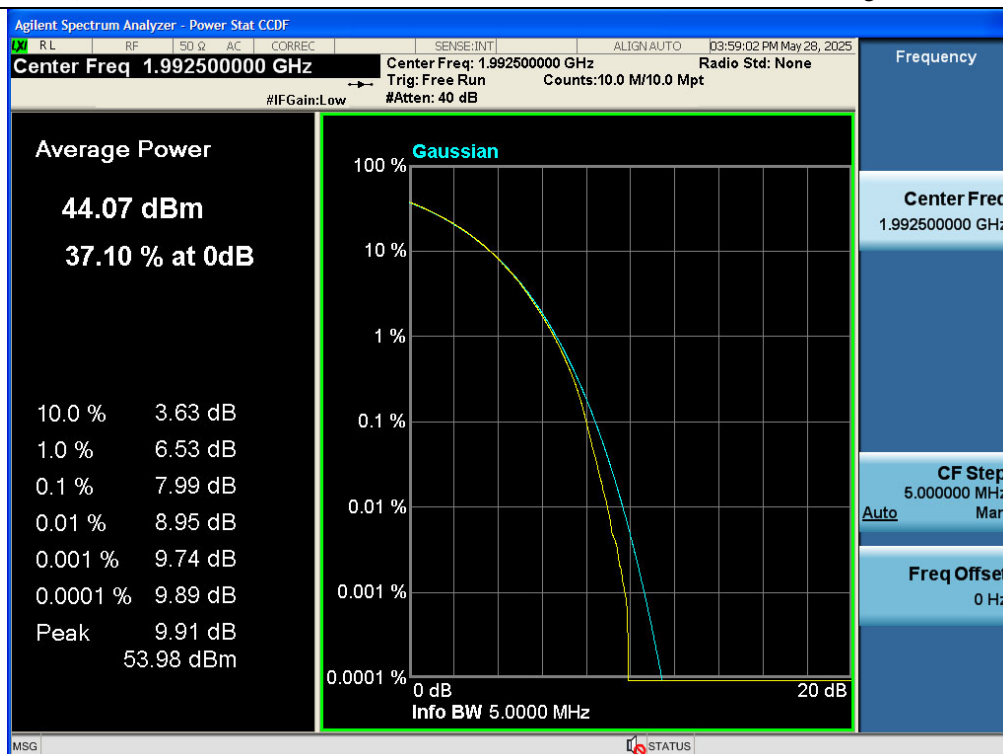
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[5 Carrier] / 64QAM / Low / Contiguous



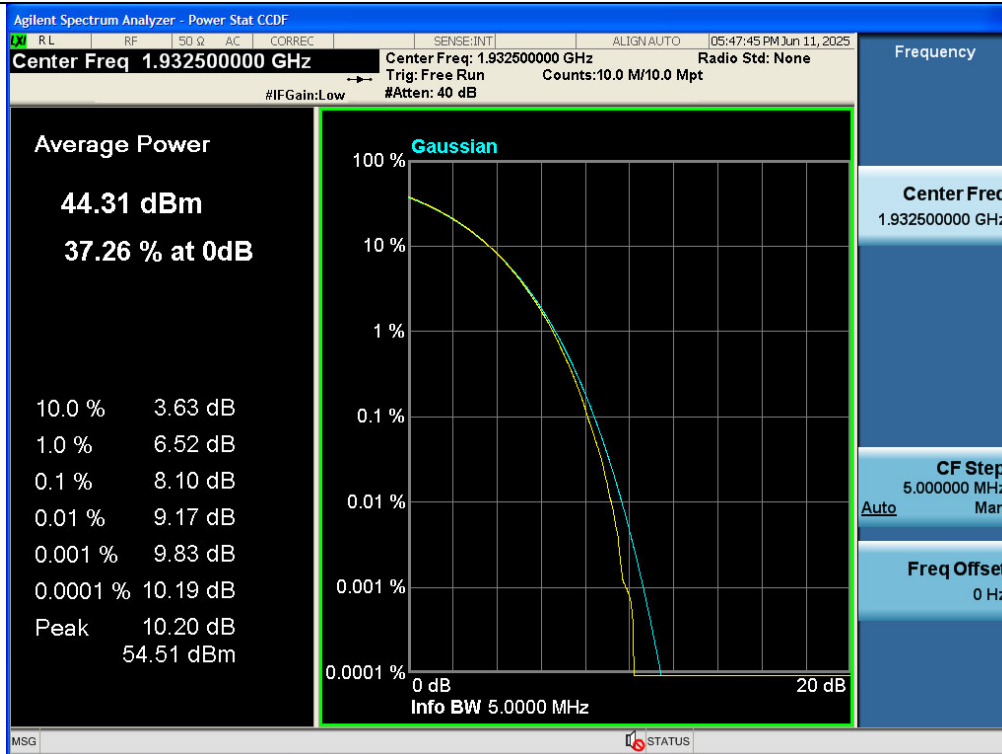
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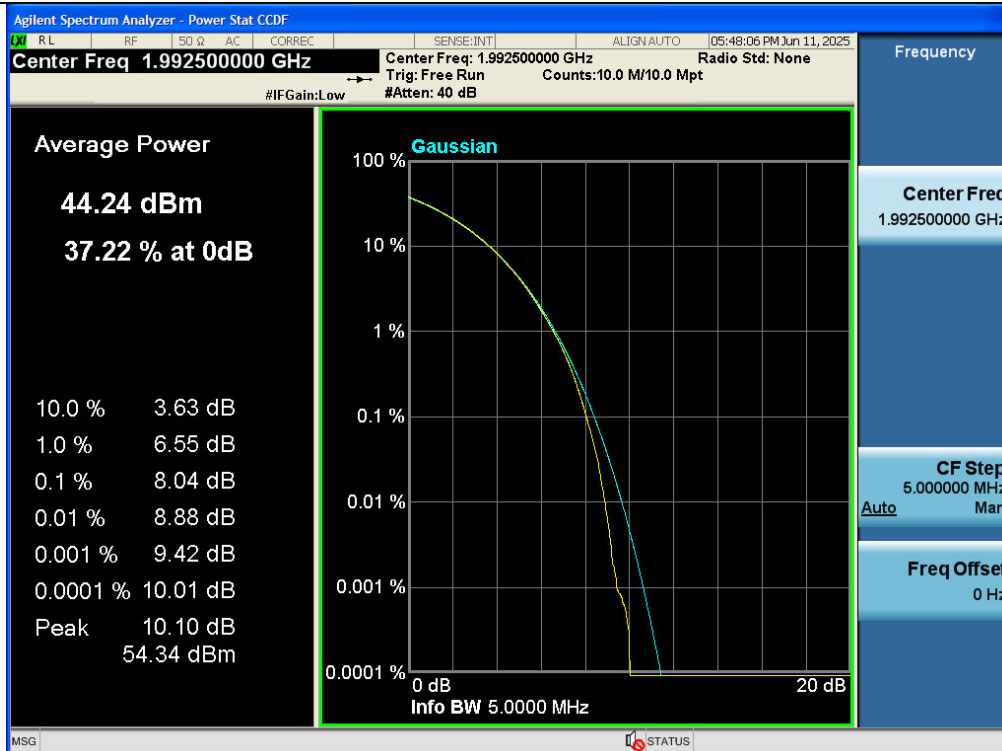
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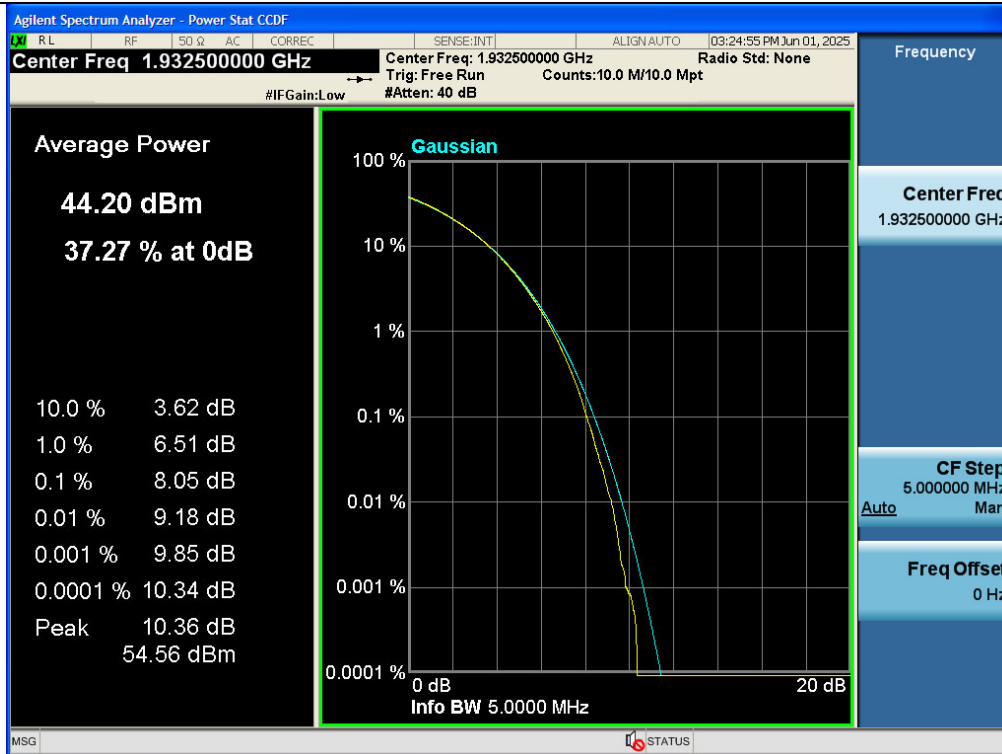
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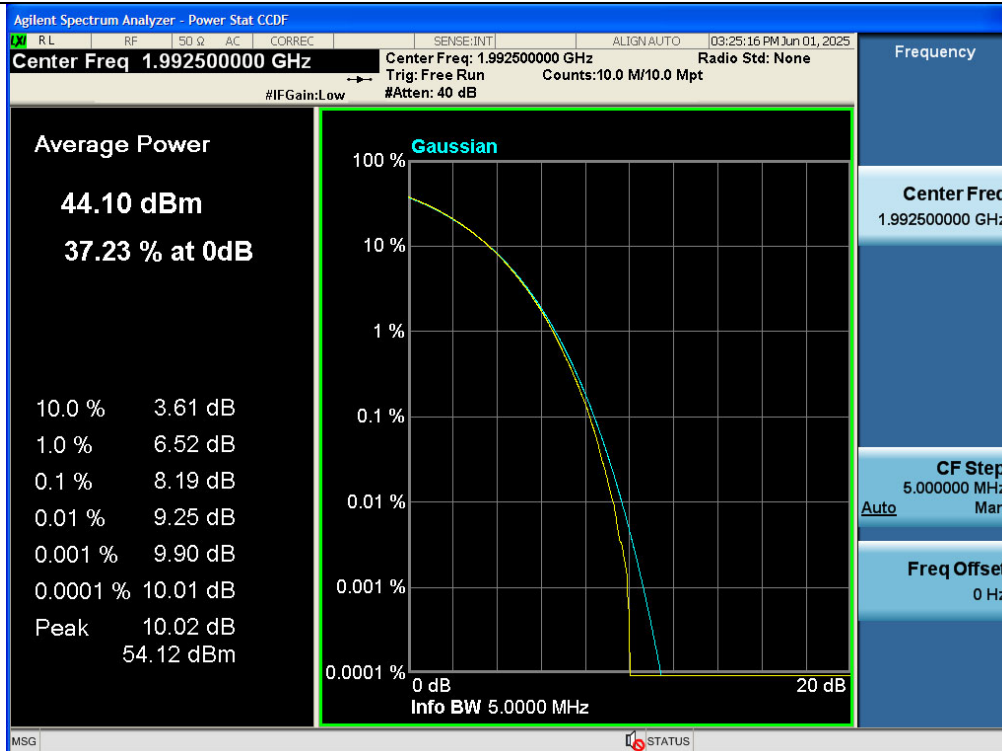
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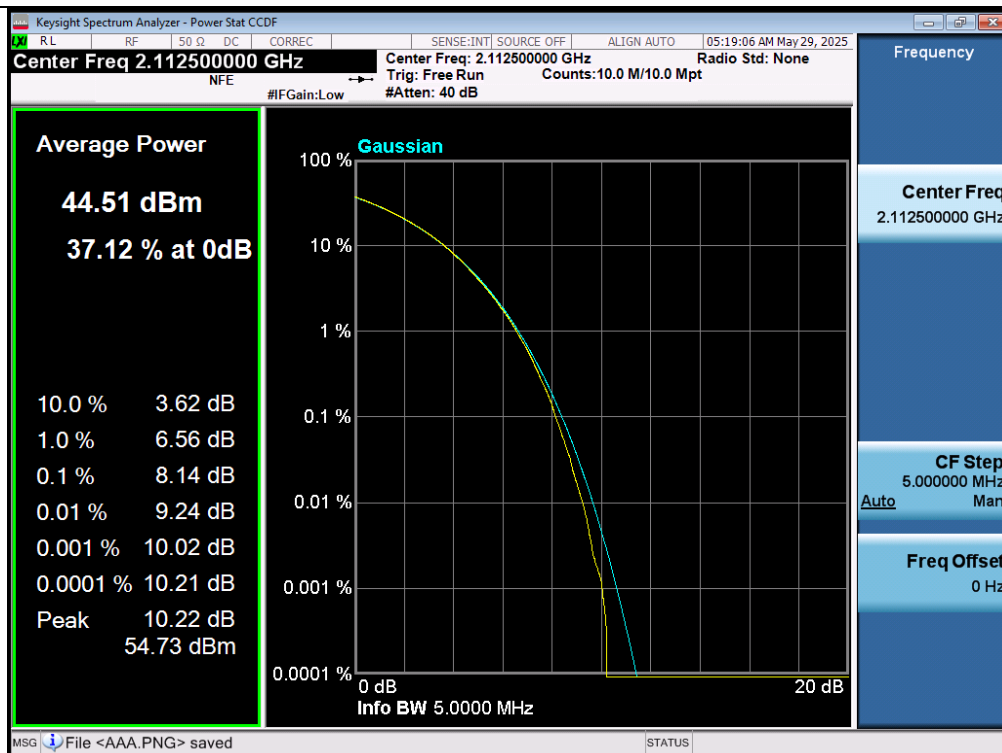
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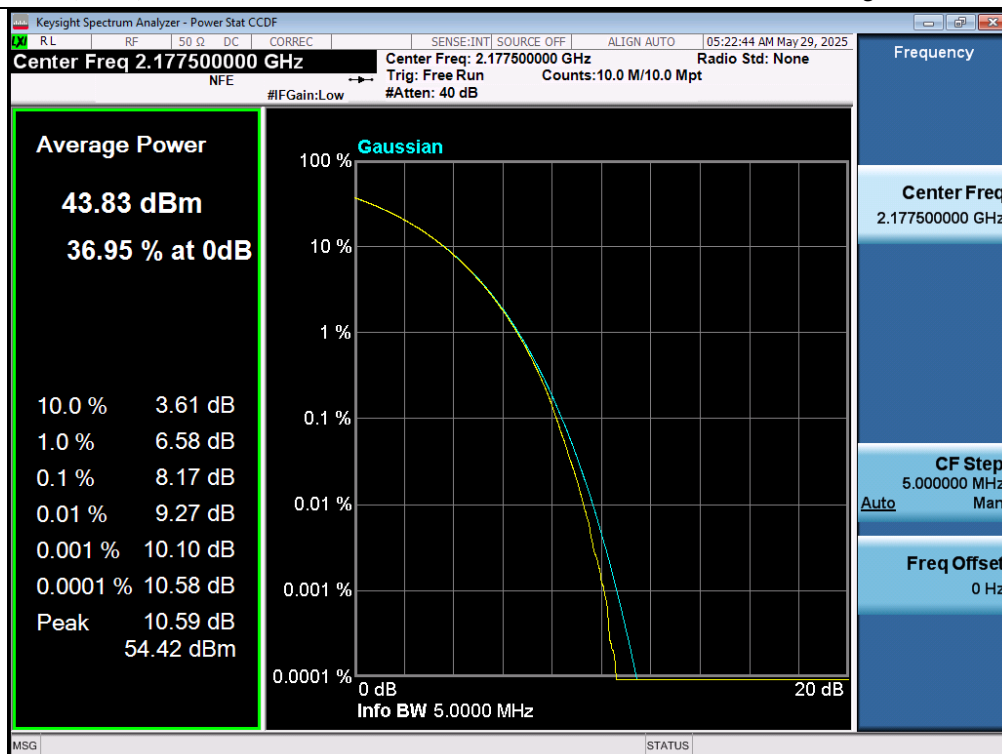
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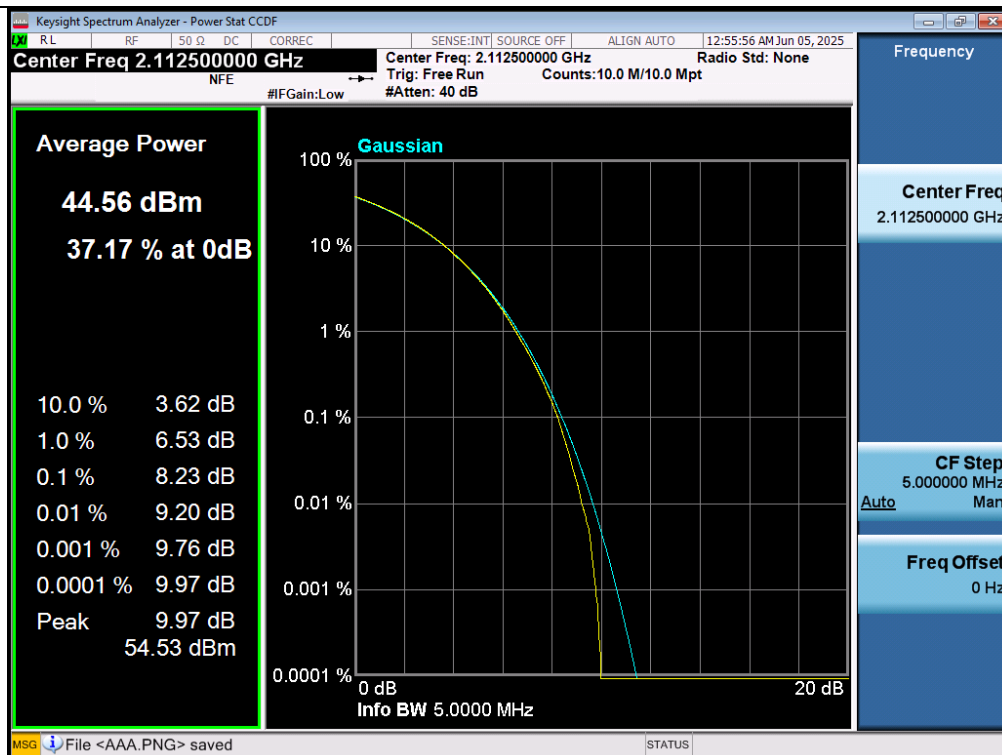
Antenna 0 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



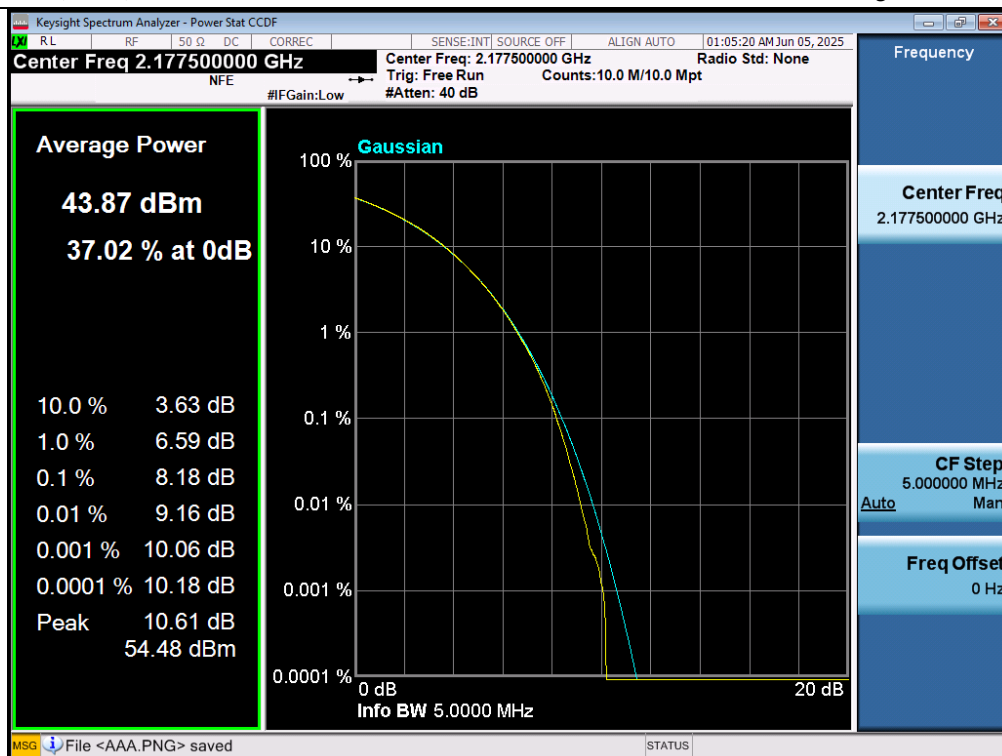
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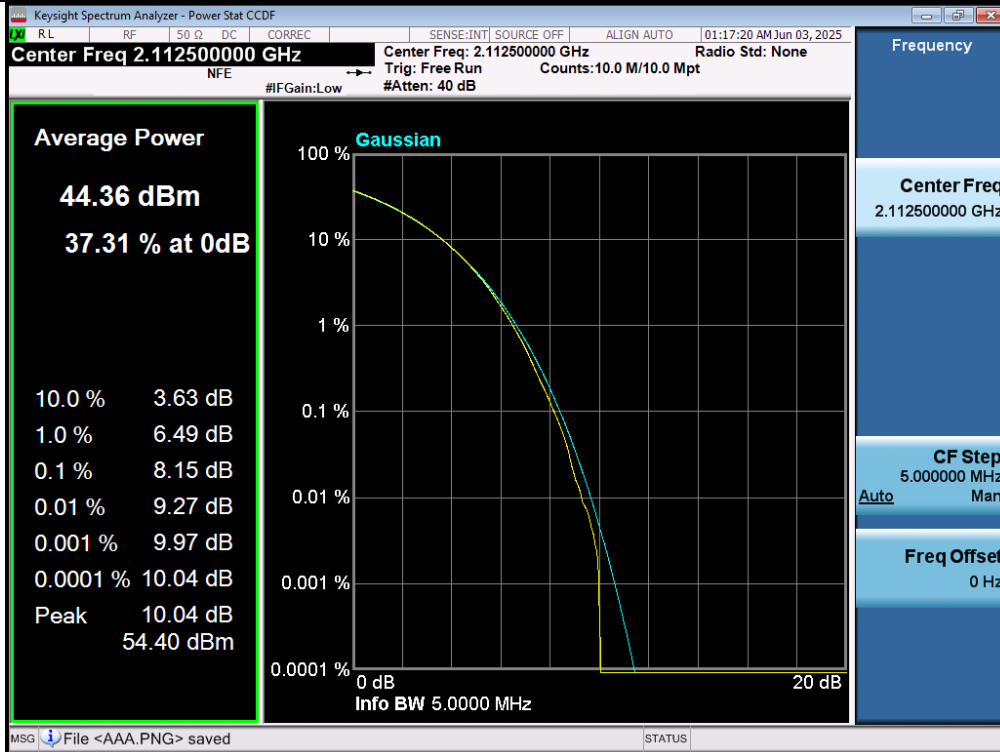
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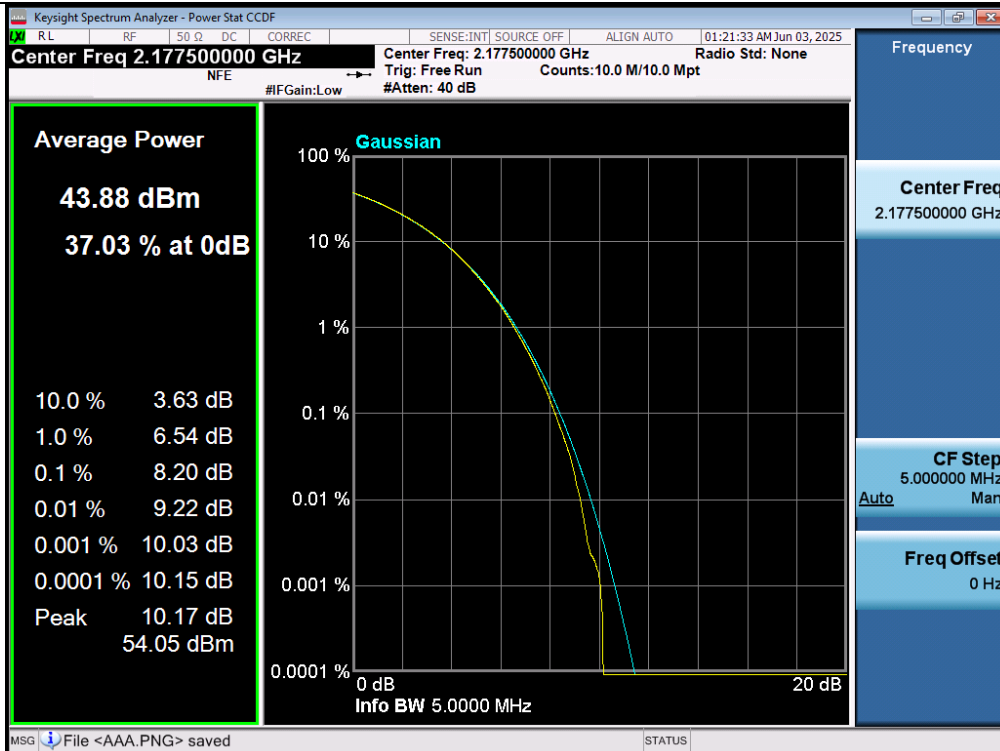
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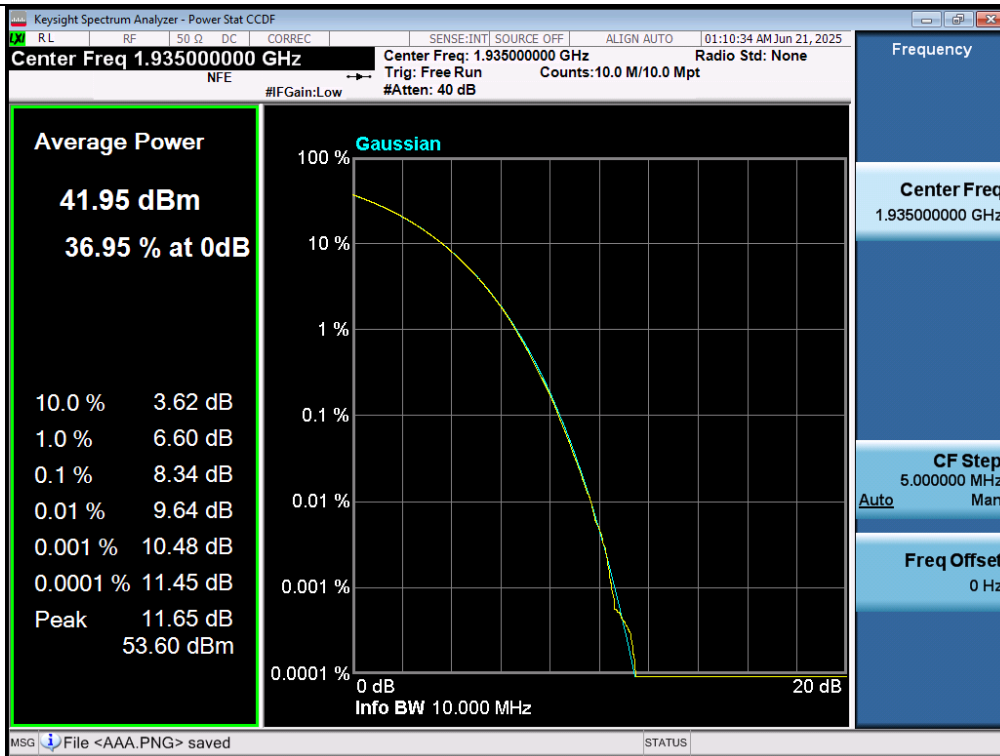
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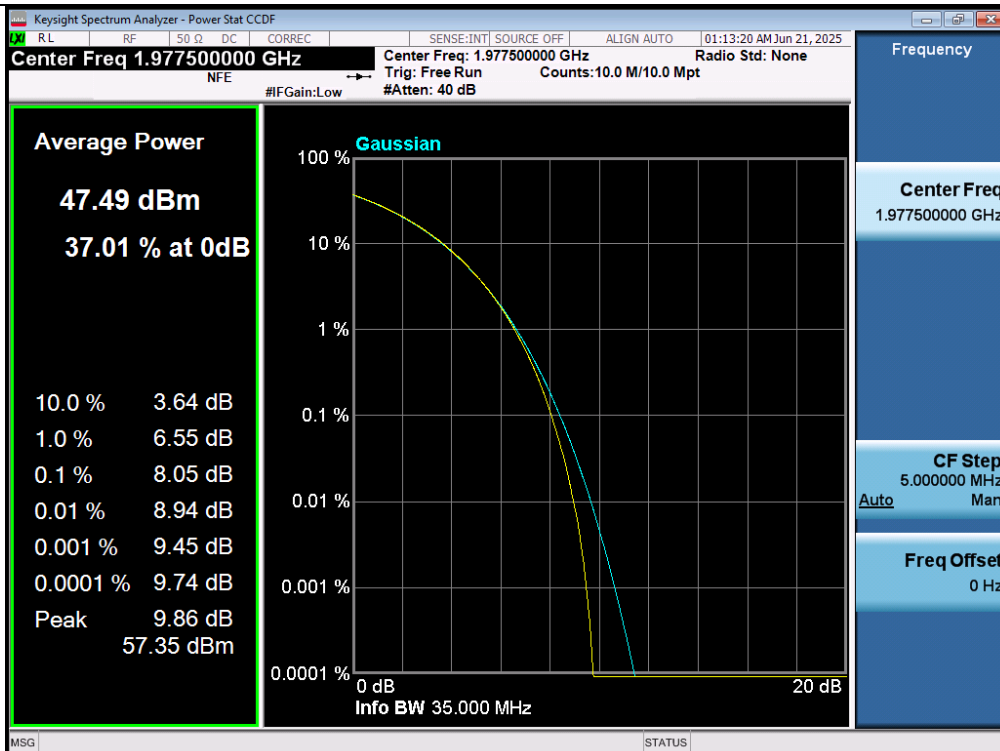
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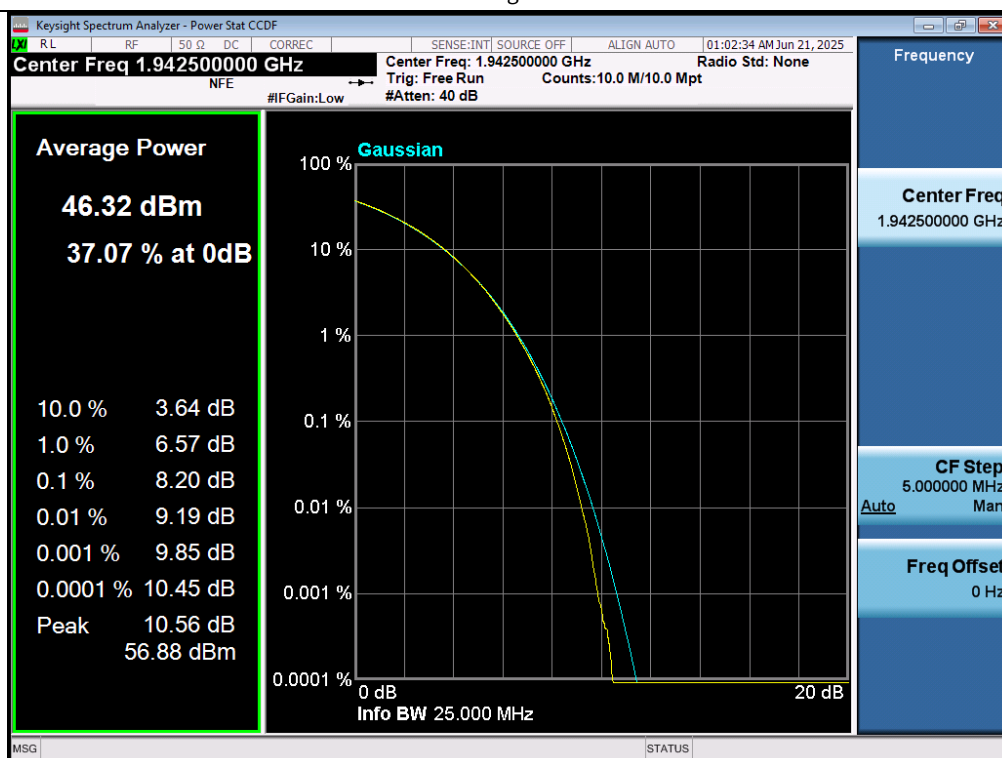
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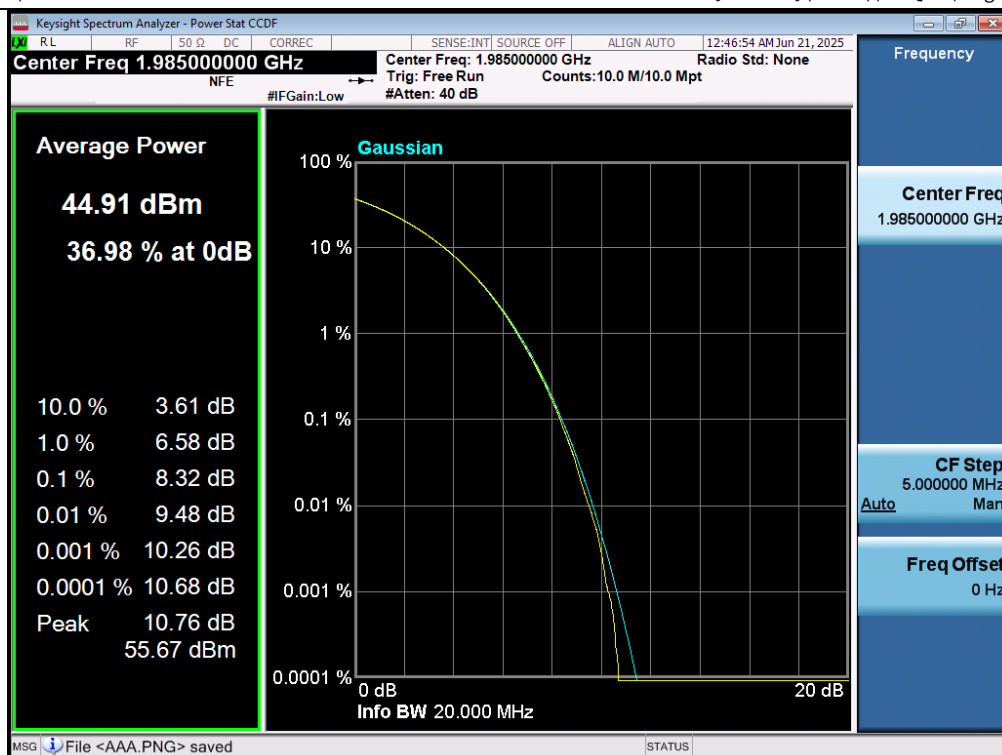
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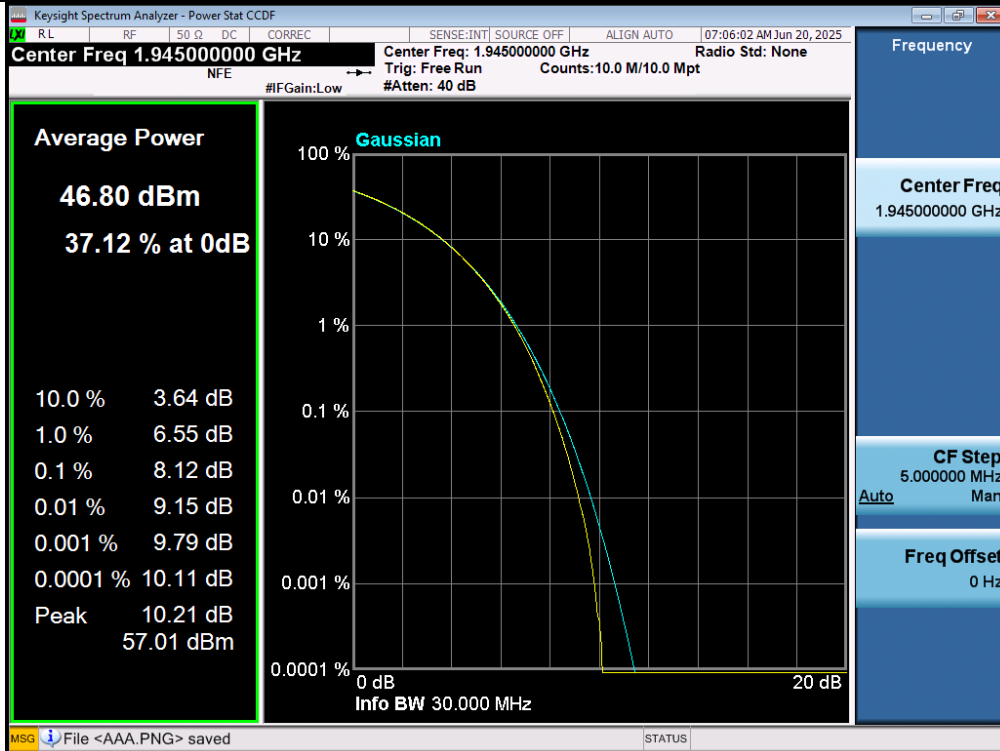
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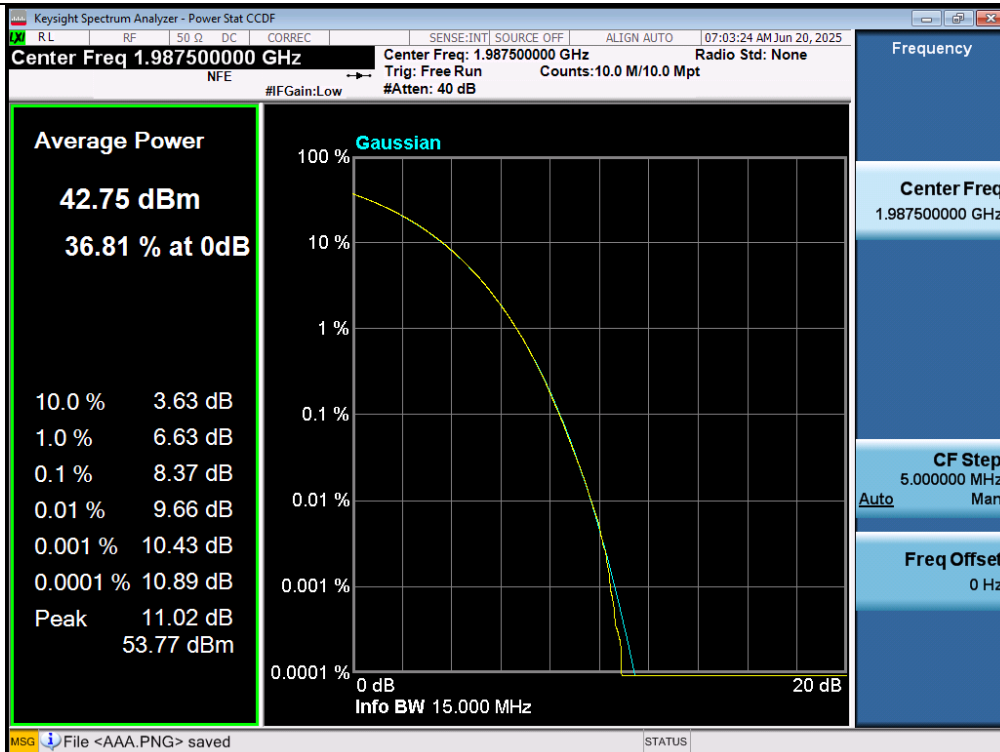
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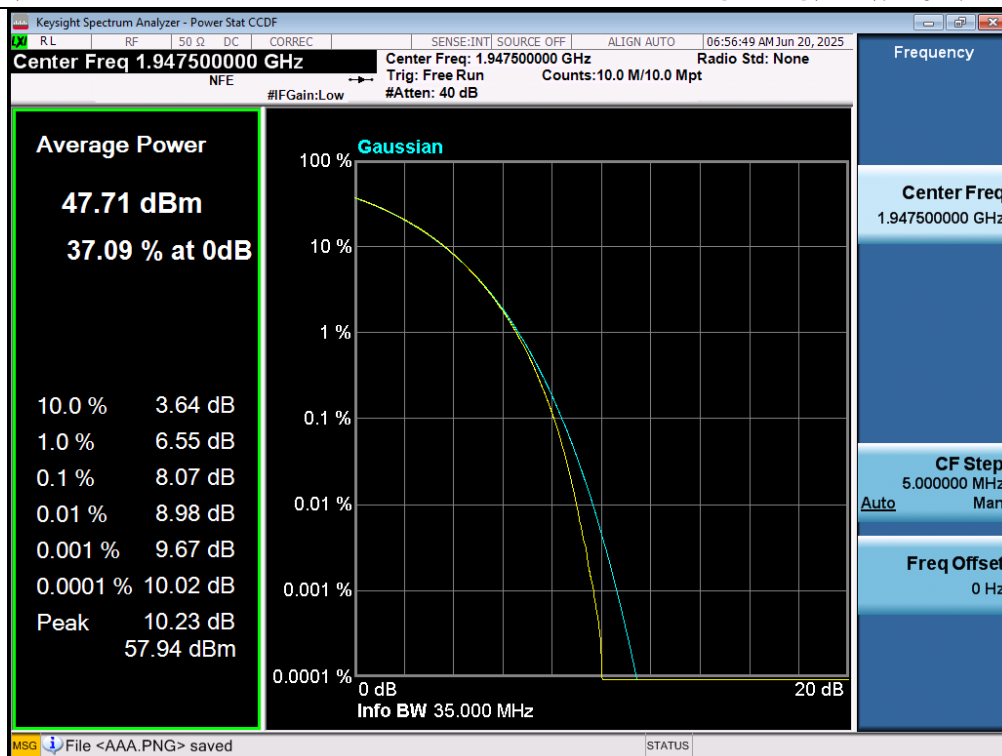
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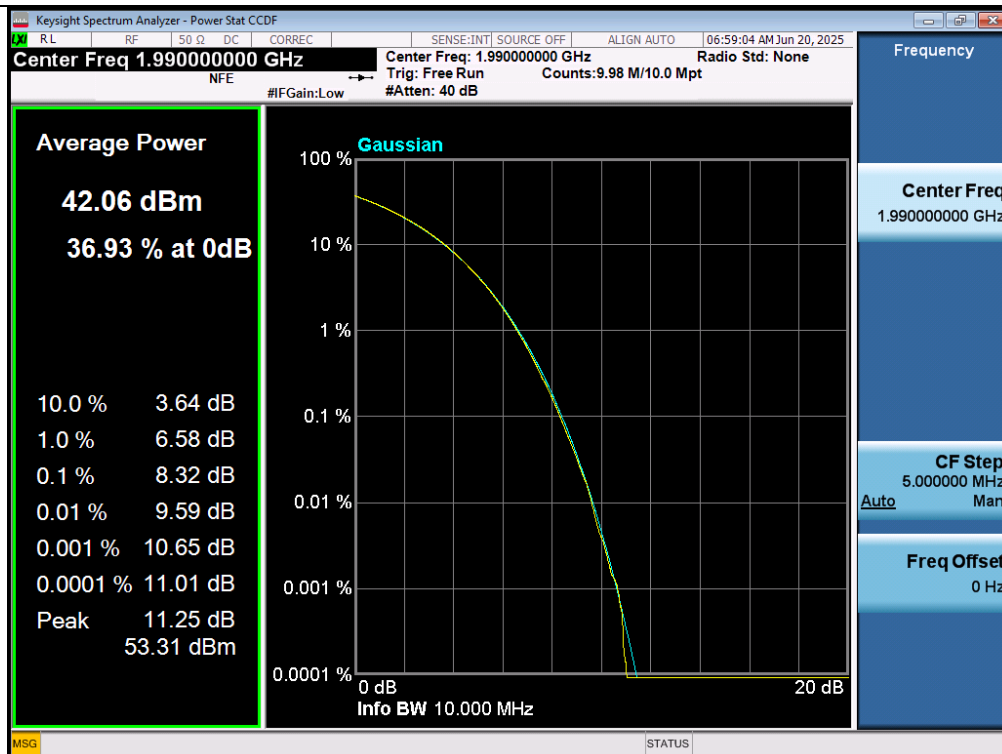
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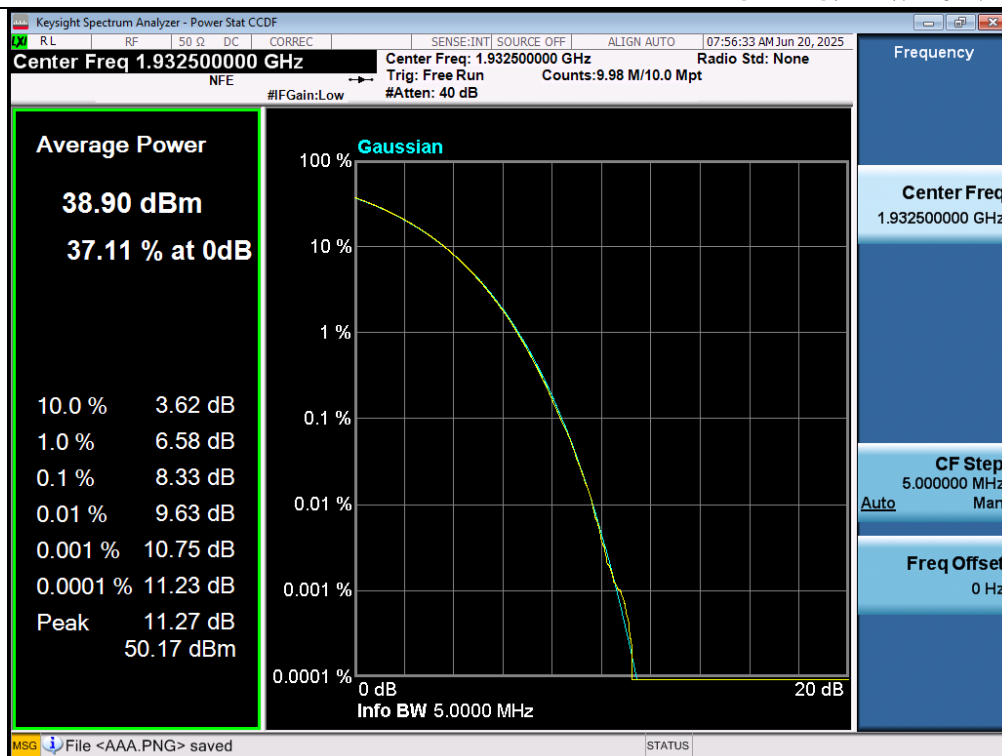
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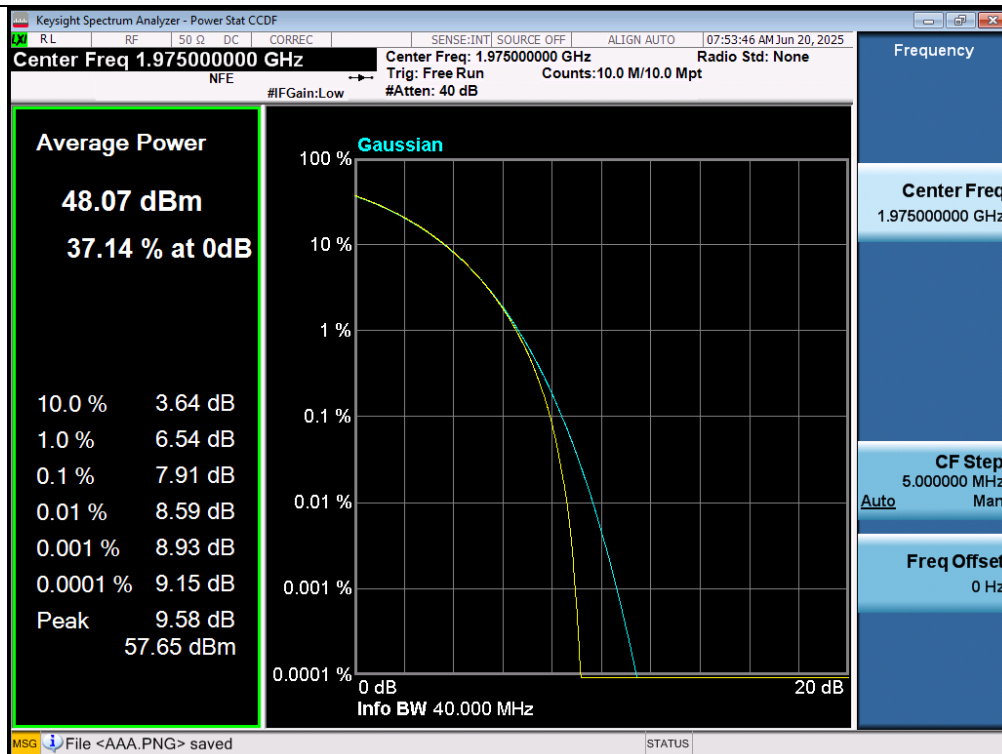
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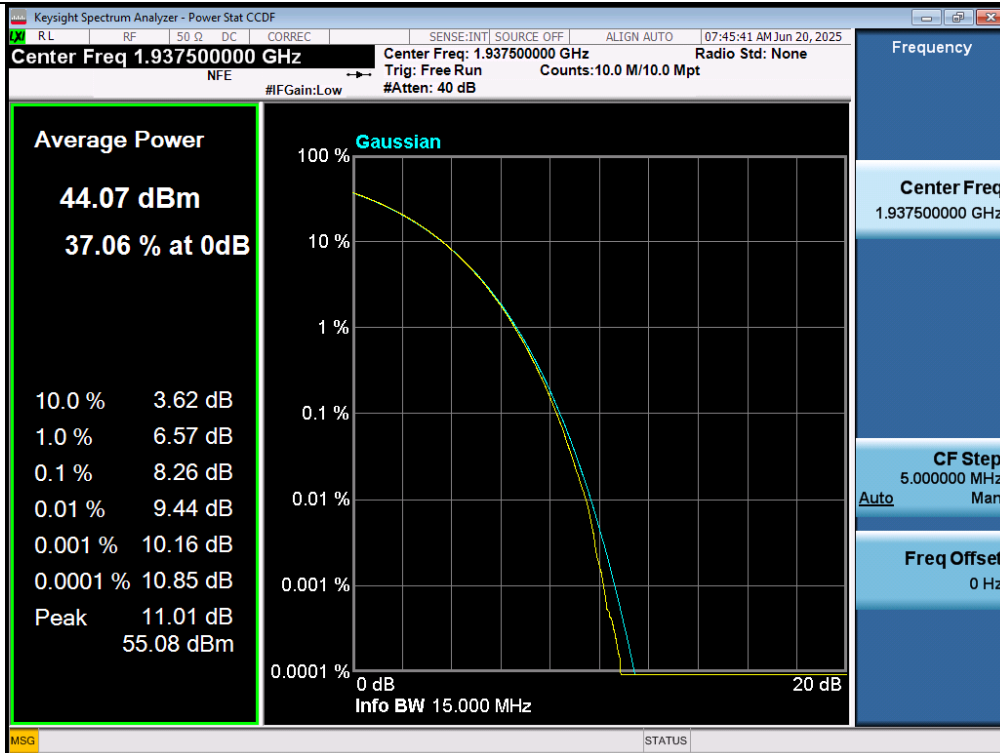
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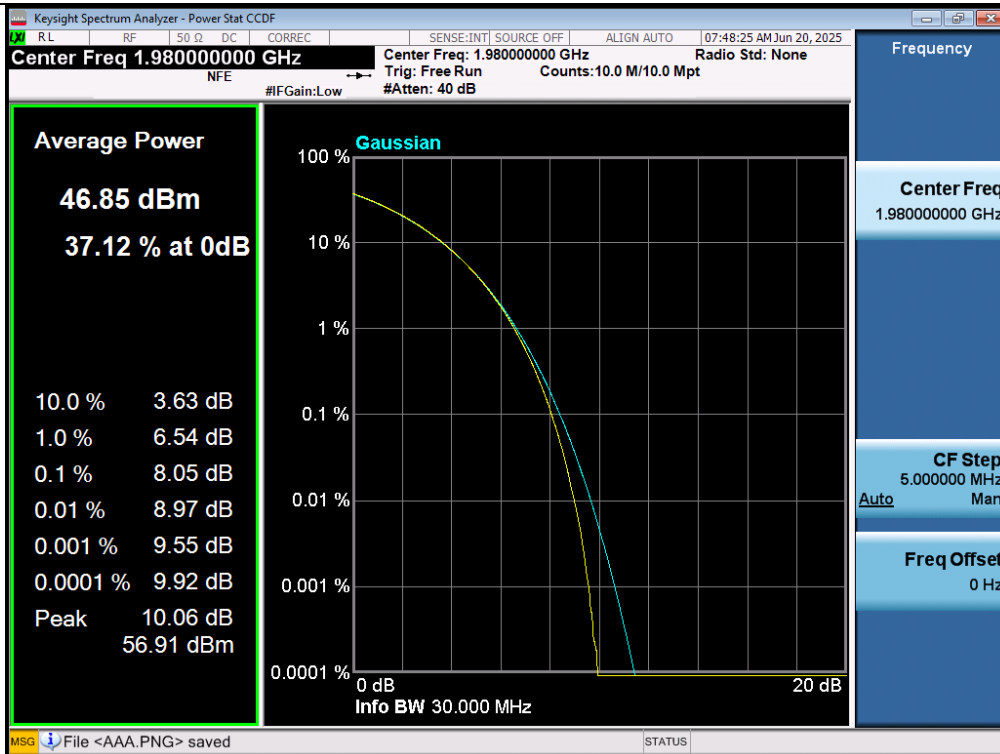
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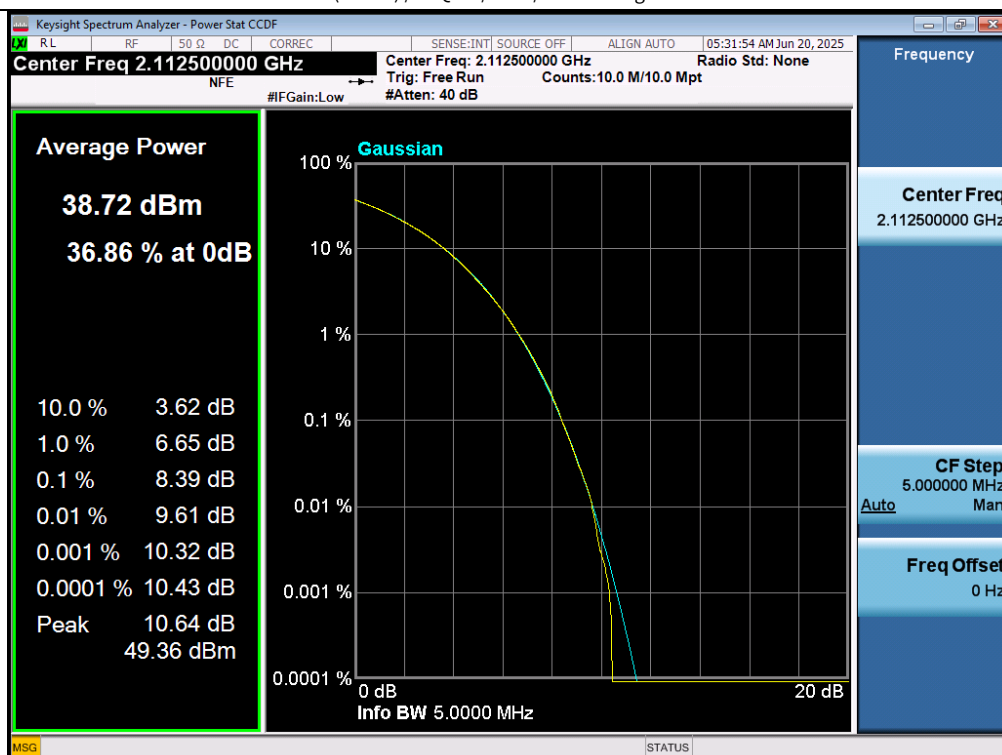
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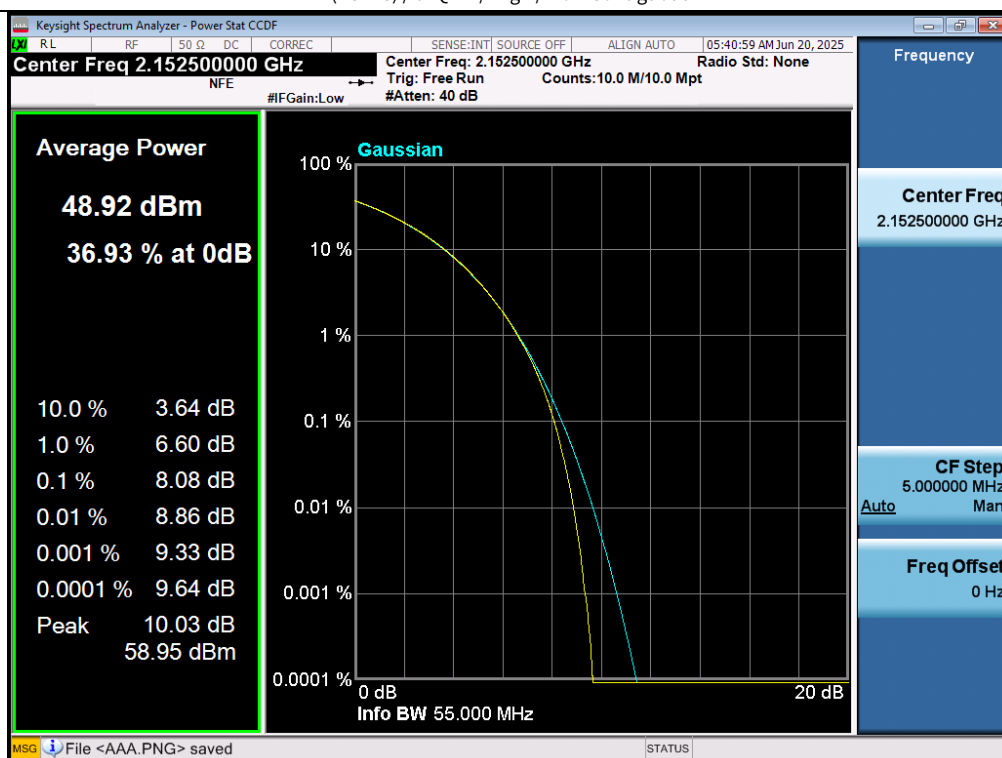
Antenna 3 / (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / High / Non-Contiguous



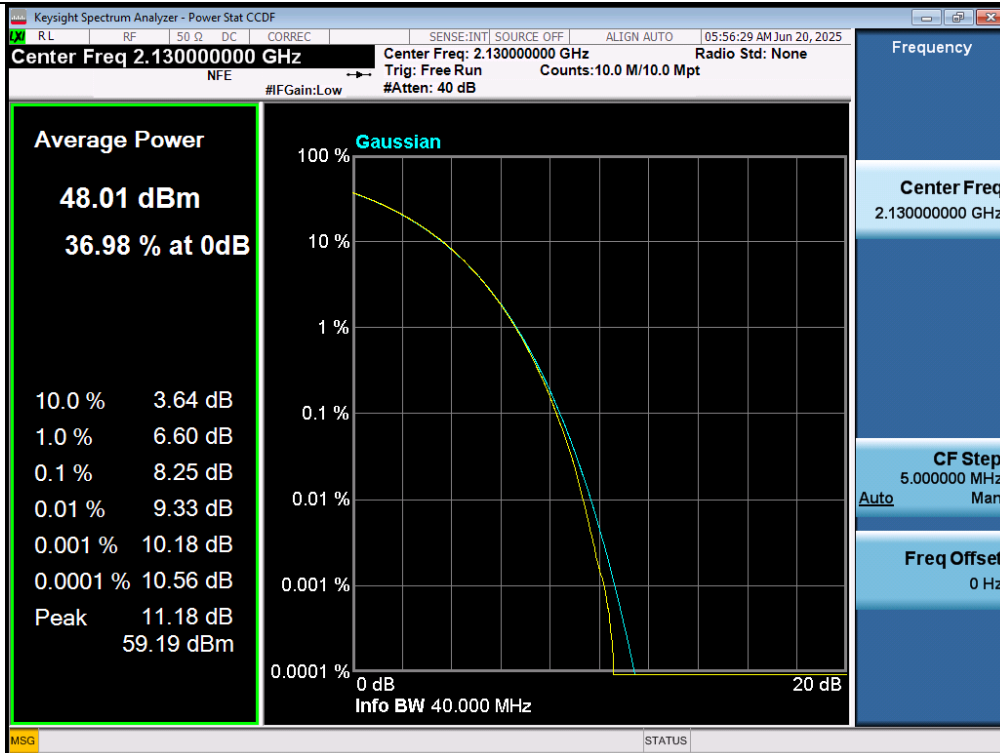
Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier]
(1C+4C) / 64QAM / Low / Non-Contiguous



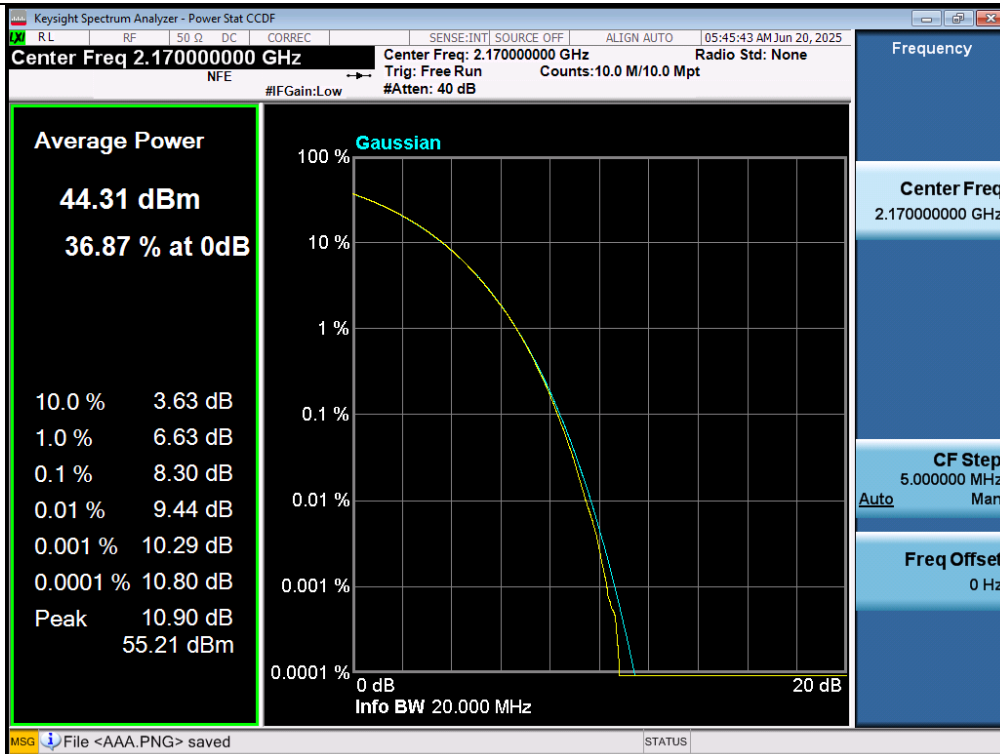
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(1C+4C) / 64QAM / High / Non-Contiguous



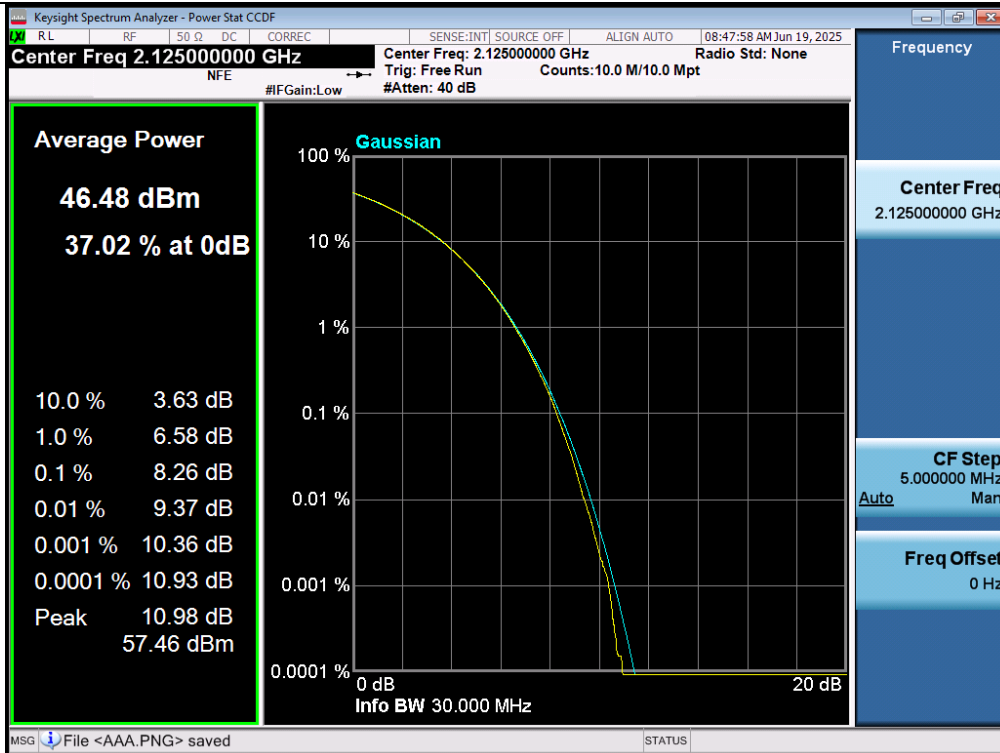
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(4C+1C) / 64QAM / Low / Non-Contiguous



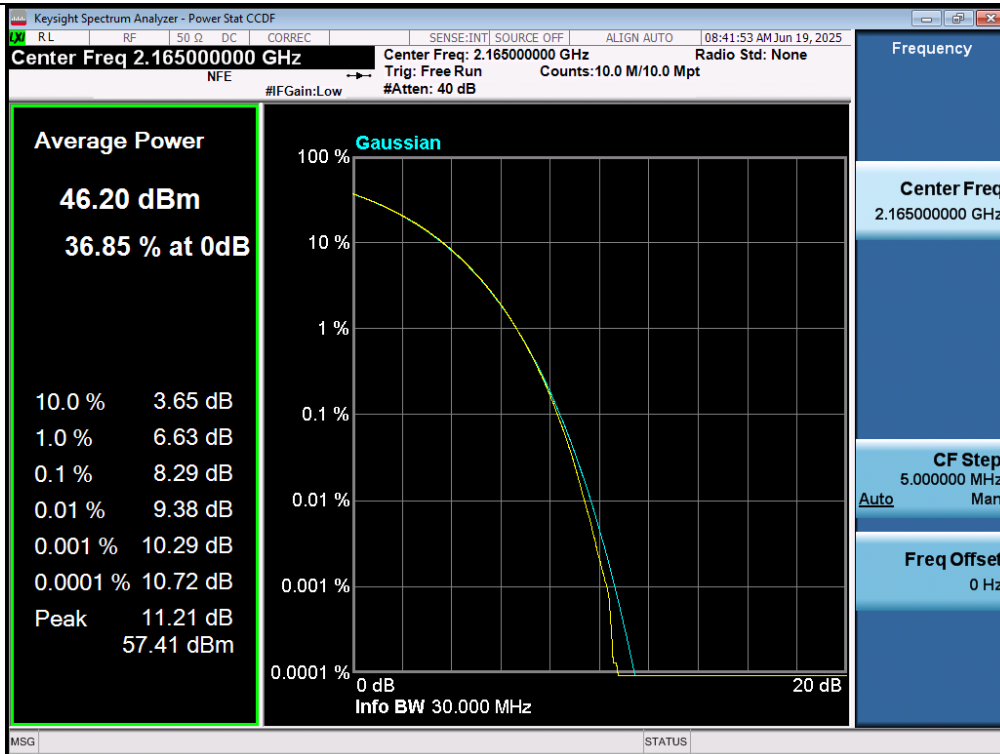
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(4C+1C) / 64QAM / High / Non-Contiguous



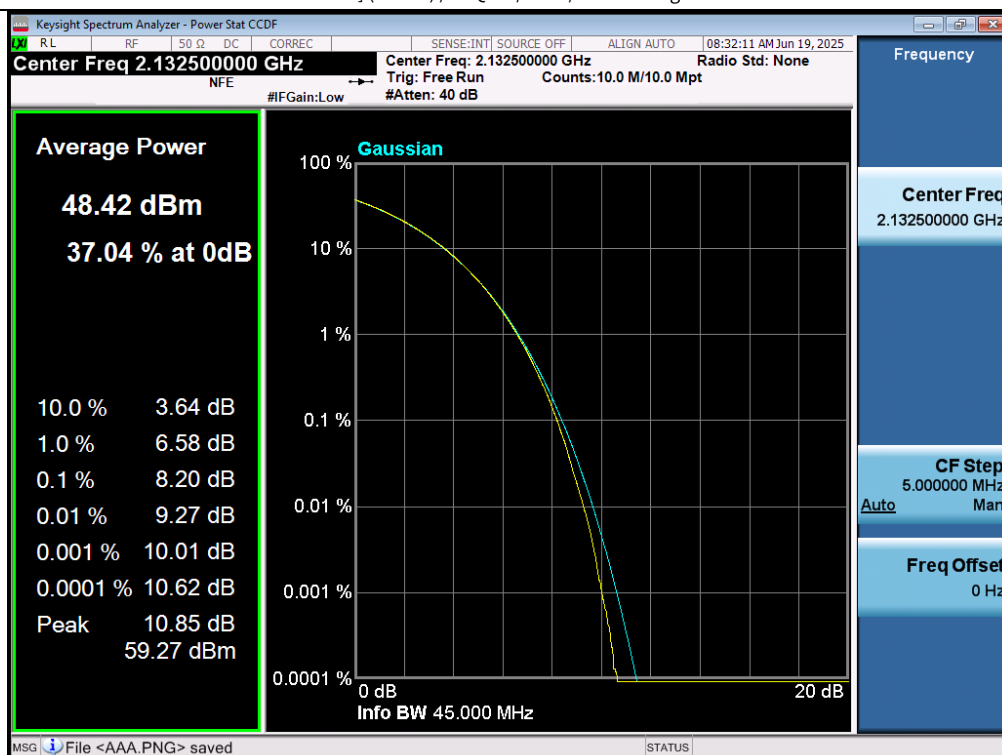
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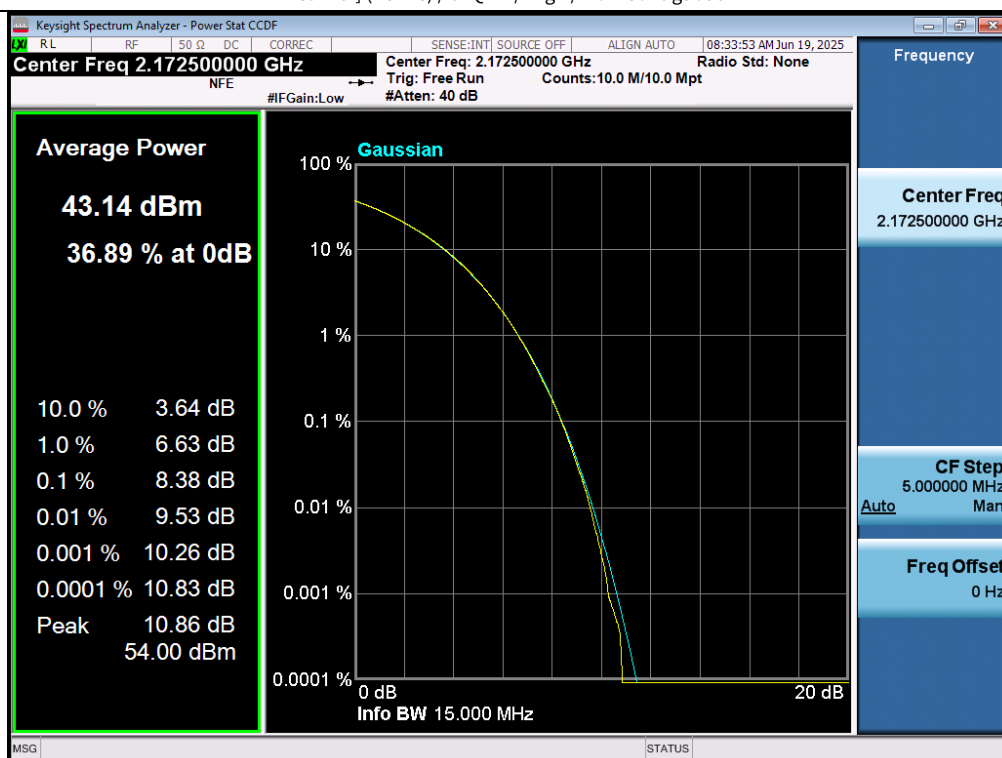
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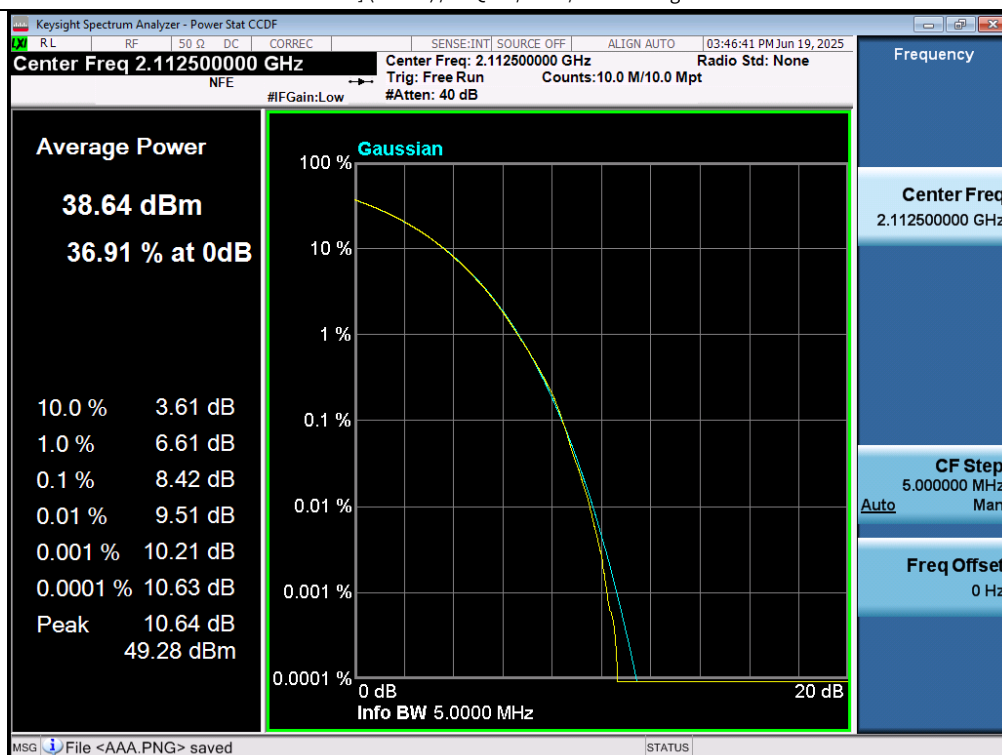
Antenna 3 / (4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



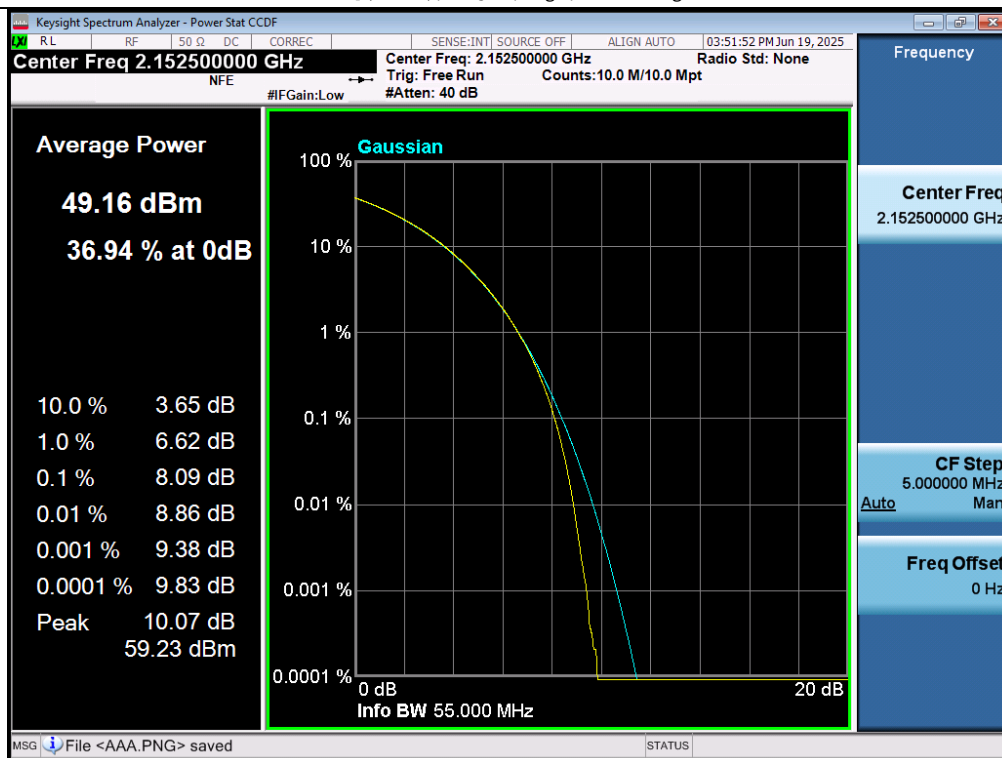
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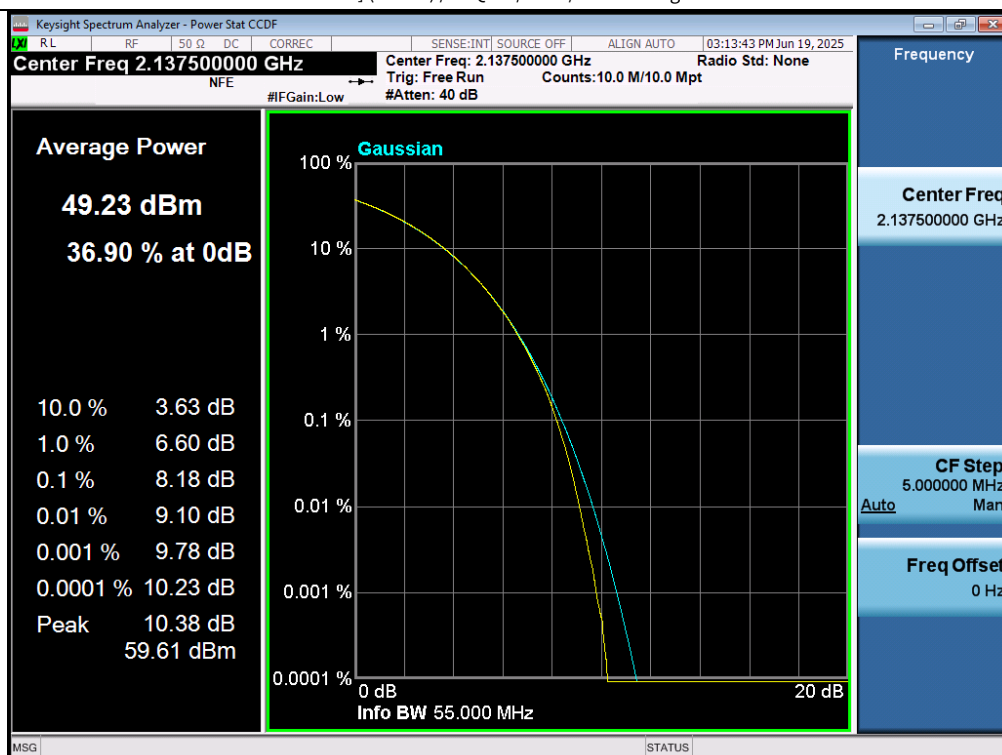
Antenna 1 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / Low / Non-Contiguous



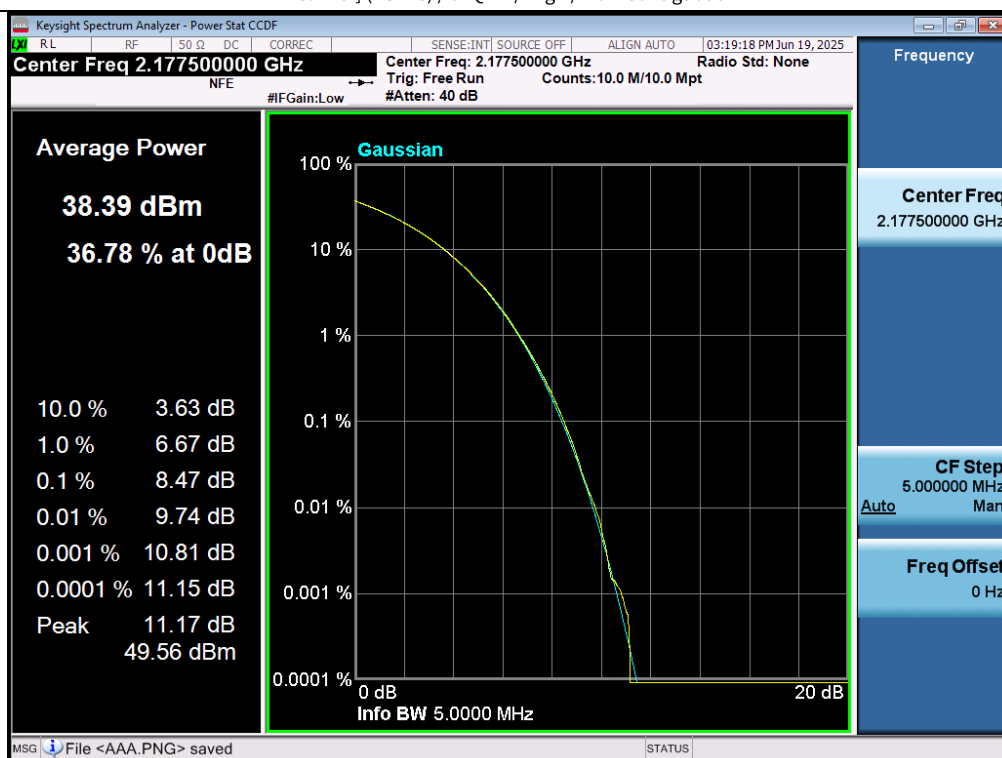
Antenna 1 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / High / Non-Contiguous



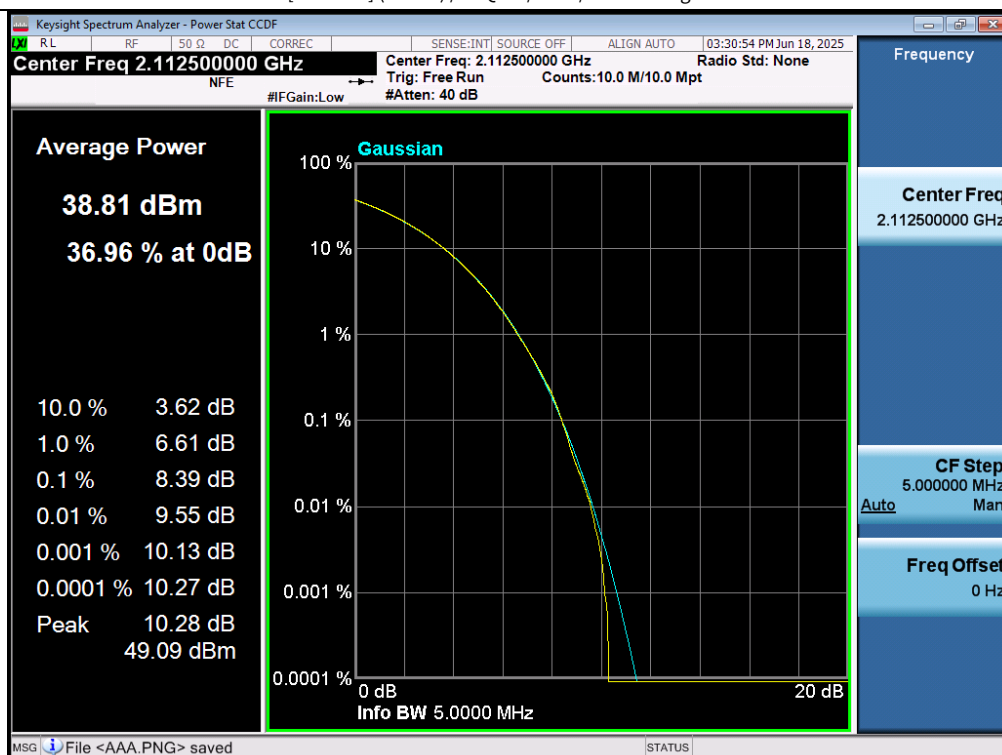
Antenna 1 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



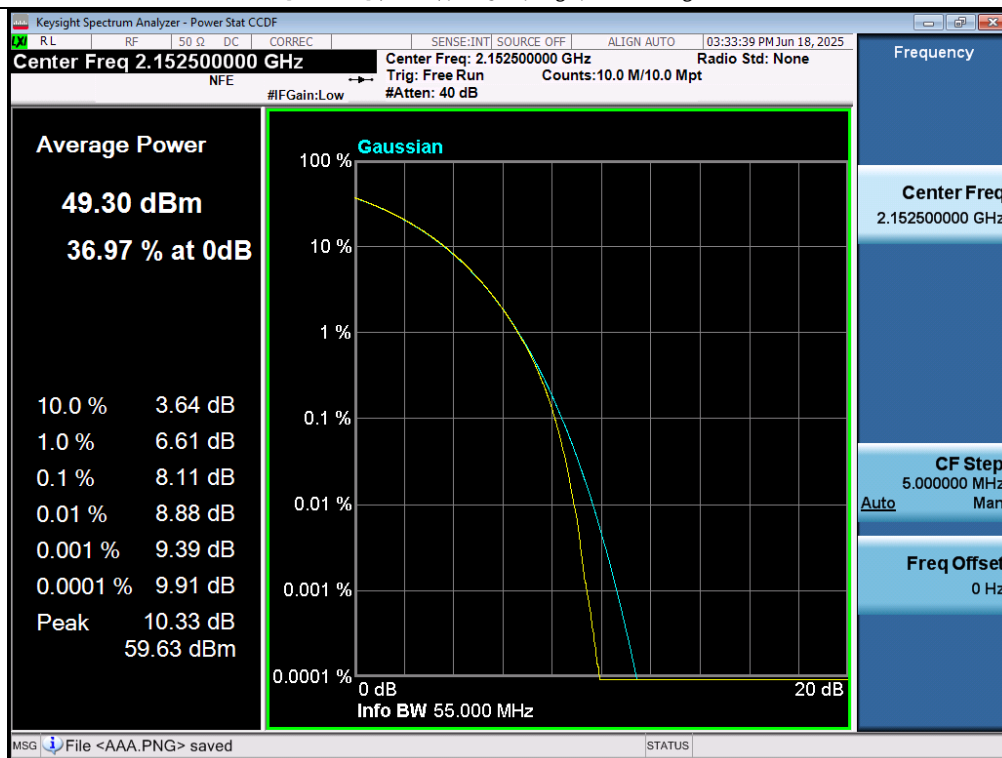
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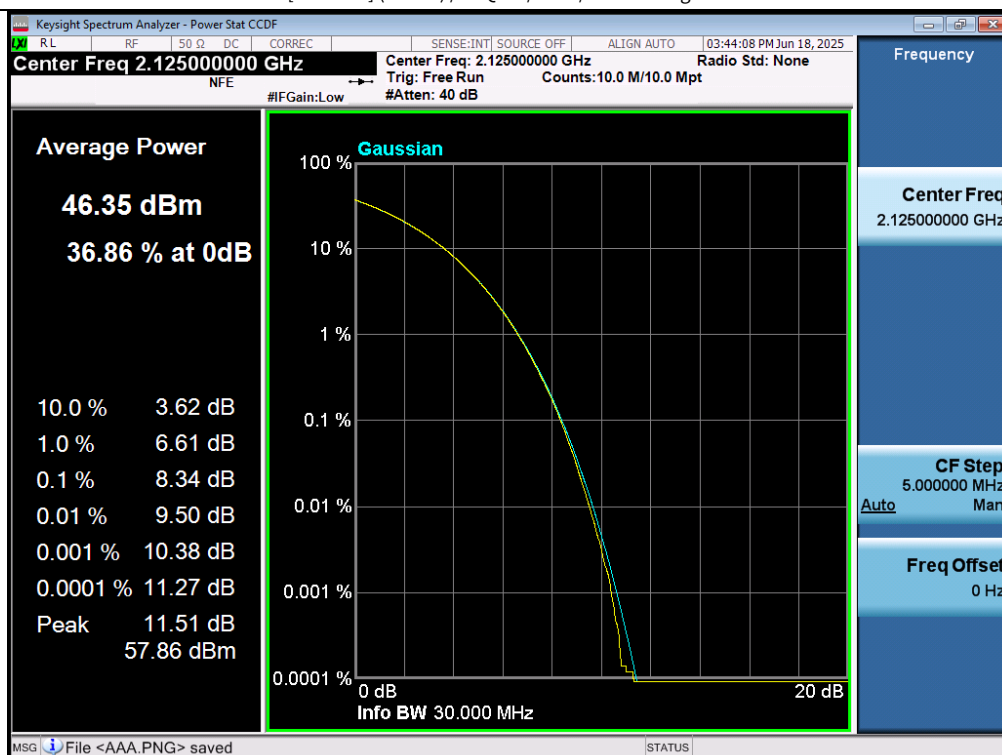
Antenna 3 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier
[5 Carrier] (1C+4C) / 64QAM / Low / Non-Contiguous



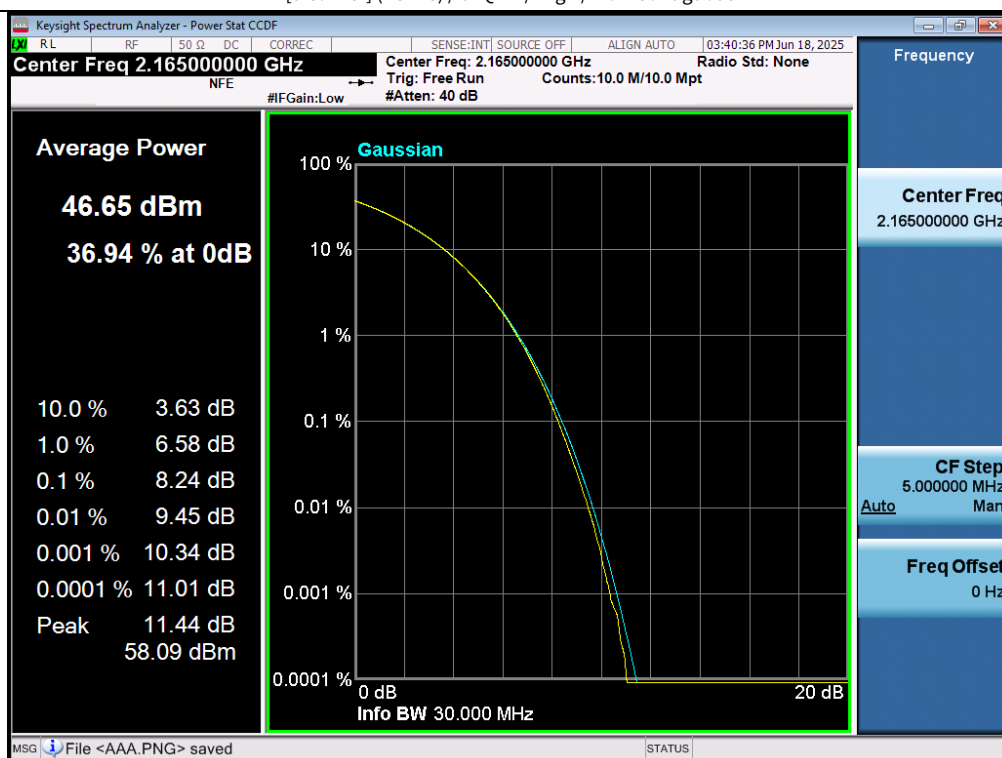
Antenna 3 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier
[5 Carrier] (1C+4C) / 64QAM / High / Non-Contiguous



Antenna 2 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier
[5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



Antenna 3 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier
[5 Carrier] (4C+1C) / 64QAM / High / Non-Contiguous



5.3. OCCUPIED BANDWIDTH

Test Requirements:

§ 2.1049 Measurements required: Occupied bandwidth.

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049 (a) through (i) as applicable.

Test Procedures:

The measurement is performed in accordance with Section 5.4.3 and 5.4.4 of ANSI C63.26.

5.4.3 Occupied bandwidth—Relative measurement procedure

The OBW is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). The typical ratio for transmitters is -26 dB, corresponding to the 26 dB BW; however, other ratios can be specified. In this subclause, the ratio is designated by “ $-X$ dB.”

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “ $-X$ dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f) Determine the reference value by either of the following:
 - 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the Highest level of the displayed trace (this is the reference value).
 - 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- g) Determine the “ $-X$ dB amplitude” as equal to (Reference Value $- X$). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- i) Place two markers, one at the lowest and the other at the Highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “ $-X$ dB amplitude” determined in step f). If a marker

is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “-X dB amplitude” at multiple points. The lowest or Highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”

- j) The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

5.4.4 Occupied bandwidth—Power bandwidth (99%) measurement procedure

The OBW is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring (99%) power bandwidth:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) Set the detection mode to peak, and the trace mode to max-hold.
- e) If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

Note: The results of the Occupied Bandwidth test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst-case plot.

Test Results:

Tabular Data of RF Occupied Bandwidth

(4 Port) LTE B25 5 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 932.50	4.5115
		Middle	1 962.50	4.4988
		High	1 992.50	4.5060
1		Low	1 932.50	4.4929
		Middle	1 962.50	4.4905
		High	1 992.50	4.4921
2		Low	1 932.50	4.4943
		Middle	1 962.50	4.5079
		High	1 992.50	4.4989
3		Low	1 932.50	4.4982
		Middle	1 962.50	4.4939
		High	1 992.50	4.5118

(4 Port) LTE B25 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 935.00	8.9830
		Middle	1 962.50	9.0125
		High	1 990.00	8.9543
1		Low	1 935.00	9.0046
		Middle	1 962.50	8.9642
		High	1 990.00	8.9802
2		Low	1 935.00	8.9965
		Middle	1 962.50	8.9802
		High	1 990.00	8.9872
3		Low	1 935.00	8.9665
		Middle	1 962.50	8.9795
		High	1 990.00	8.9770

(4 Port) LTE B25 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 937.50	13.494
		Middle	1 962.50	13.476
		High	1 987.50	13.481
1		Low	1 937.50	13.477
		Middle	1 962.50	13.458
		High	1 987.50	13.463
2		Low	1 937.50	13.479
		Middle	1 962.50	13.435
		High	1 987.50	13.443
3		Low	1 937.50	13.448
		Middle	1 962.50	13.483
		High	1 987.50	13.459

(4 Port) LTE B25 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 940.00	17.935
		Middle	1 962.50	17.889
		High	1 985.00	17.973
1		Low	1 940.00	17.891
		Middle	1 962.50	17.942
		High	1 985.00	17.898
2		Low	1 940.00	17.941
		Middle	1 962.50	17.974
		High	1 985.00	17.905
3		Low	1 940.00	17.900
		Middle	1 962.50	17.882
		High	1 985.00	17.914

(4 Port) 5G NR n25 5 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 932.50	4.4878
		Middle	1 962.50	4.4930
		High	1 992.50	4.4739
1		Low	1 932.50	4.4840
		Middle	1 962.50	4.4961
		High	1 992.50	4.4869
2		Low	1 932.50	4.4906
		Middle	1 962.50	4.4873
		High	1 992.50	4.4801
3		Low	1 932.50	4.4866
		Middle	1 962.50	4.4850
		High	1 992.50	4.4773

(4 Port) 5G NR n25 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 935.00	9.3214
		Middle	1 962.50	9.3079
		High	1 990.00	9.3082
1		Low	1 935.00	9.3222
		Middle	1 962.50	9.2976
		High	1 990.00	9.3250
2		Low	1 935.00	9.2950
		Middle	1 962.50	9.3059
		High	1 990.00	9.3089
3		Low	1 935.00	9.3143
		Middle	1 962.50	9.2872
		High	1 990.00	9.3207

(4 Port) 5G NR n25 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 937.50	14.120
		Middle	1 962.50	14.152
		High	1 987.50	14.149
1		Low	1 937.50	14.122
		Middle	1 962.50	14.111
		High	1 987.50	14.117
2		Low	1 937.50	14.142
		Middle	1 962.50	14.130
		High	1 987.50	14.125
3		Low	1 937.50	14.119
		Middle	1 962.50	14.160
		High	1 987.50	14.128

(4 Port) 5G NR n25 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 940.00	18.970
		Middle	1 962.50	18.959
		High	1 985.00	18.983
1		Low	1 940.00	18.956
		Middle	1 962.50	19.029
		High	1 985.00	18.959
2		Low	1 940.00	18.959
		Middle	1 962.50	18.977
		High	1 985.00	18.993
3		Low	1 940.00	18.952
		Middle	1 962.50	18.958
		High	1 985.00	19.026

(4 Port) 5G NR n25 25 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 942.50	23.799
		Middle	1 962.50	23.773
		High	1 982.50	23.819
1		Low	1 942.50	23.759
		Middle	1 962.50	23.761
		High	1 982.50	23.785
2		Low	1 942.50	23.767
		Middle	1 962.50	23.754
		High	1 982.50	23.863
3		Low	1 942.50	23.823
		Middle	1 962.50	23.806
		High	1 982.50	23.794

(4 Port) 5G NR n25 30 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 945.00	28.605
		Middle	1 962.50	28.654
		High	1 980.00	28.632
1		Low	1 945.00	28.621
		Middle	1 962.50	28.659
		High	1 980.00	28.631
2		Low	1 945.00	28.698
		Middle	1 962.50	28.741
		High	1 980.00	28.648
3		Low	1 945.00	28.628
		Middle	1 962.50	28.682
		High	1 980.00	28.623

(4 Port) LTE B66 5 MHz 1 Carrier

17.00% E1E D00 0 MHz 1 Carrier				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 112.50	4.4986
		Middle	2 145.00	4.4912
		High	2 177.50	4.4972
1		Low	2 112.50	4.4934
		Middle	2 145.00	4.5000
		High	2 177.50	4.4915
2		Low	2 112.50	4.4795
		Middle	2 145.00	4.5007
		High	2 177.50	4.4896
3		Low	2 112.50	4.4841
		Middle	2 145.00	4.5014
		High	2 177.50	4.4900

(4 Port) LTE B66 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 115.00	8.9709
		Middle	2 145.00	8.9822
		High	2 175.00	8.9795
1		Low	2 115.00	8.9653
		Middle	2 145.00	8.9540
		High	2 175.00	9.0153
2		Low	2 115.00	8.9936
		Middle	2 145.00	9.0070
		High	2 175.00	9.0273
3		Low	2 115.00	8.9706
		Middle	2 145.00	8.9773
		High	2 175.00	8.9839

(4 Port) LTE B66 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 117.50	13.411
		Middle	2 145.00	13.440
		High	2 172.50	13.443
1		Low	2 117.50	13.466
		Middle	2 145.00	13.476
		High	2 172.50	13.445
2		Low	2 117.50	13.452
		Middle	2 145.00	13.432
		High	2 172.50	13.461
3		Low	2 117.50	13.431
		Middle	2 145.00	13.452
		High	2 172.50	13.451

(4 Port) LTE B66 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 120.00	17.908
		Middle	2 145.00	17.920
		High	2 170.00	17.878
1		Low	2 120.00	17.902
		Middle	2 145.00	17.890
		High	2 170.00	17.935
2		Low	2 120.00	17.910
		Middle	2 145.00	17.906
		High	2 170.00	17.910
3		Low	2 120.00	17.916
		Middle	2 145.00	17.902
		High	2 170.00	17.895

(4 Port) 5G NR n66 5 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 112.50	4.4769
		Middle	2 145.00	4.4854
		High	2 177.50	4.4859
1		Low	2 112.50	4.4780
		Middle	2 145.00	4.4718
		High	2 177.50	4.4745
2		Low	2 112.50	4.4708
		Middle	2 145.00	4.4897
		High	2 177.50	4.4807
3		Low	2 112.50	4.4798
		Middle	2 145.00	4.4773
		High	2 177.50	4.4783

(4 Port) 5G NR n66 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 115.00	9.3040
		Middle	2 145.00	9.3070
		High	2 175.00	9.2958
1		Low	2 115.00	9.2881
		Middle	2 145.00	9.3133
		High	2 175.00	9.2998
2		Low	2 115.00	9.2857
		Middle	2 145.00	9.2970
		High	2 175.00	9.2954
3		Low	2 115.00	9.3007
		Middle	2 145.00	9.2968
		High	2 175.00	9.3090

(4 Port) 5G NR n66 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 117.50	14.091
		Middle	2 145.00	14.127
		High	2 172.50	14.094
1		Low	2 117.50	14.098
		Middle	2 145.00	14.130
		High	2 172.50	14.111
2		Low	2 117.50	14.128
		Middle	2 145.00	14.119
		High	2 172.50	14.125
3		Low	2 117.50	14.118
		Middle	2 145.00	14.138
		High	2 172.50	14.129

(4 Port) 5G NR n66 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 120.00	18.888
		Middle	2 145.00	18.948
		High	2 170.00	18.957
1		Low	2 120.00	18.942
		Middle	2 145.00	18.939
		High	2 170.00	18.951
2		Low	2 120.00	18.931
		Middle	2 145.00	18.930
		High	2 170.00	18.969
3		Low	2 120.00	18.948
		Middle	2 145.00	18.923
		High	2 170.00	18.913

(4 Port) n66 5G NR 25 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 122.50	23.788
		Middle	2 145.00	23.823
		High	2 167.50	23.782
1		Low	2 122.50	23.778
		Middle	2 145.00	23.817
		High	2 167.50	23.785
2		Low	2 122.50	23.768
		Middle	2 145.00	23.781
		High	2 167.50	23.746
3		Low	2 122.50	23.764
		Middle	2 145.00	23.787
		High	2 167.50	23.812

(4 Port) n66 5G NR 30 MHz 1 Carrier

11.017/110.55 NR 5G MHz 1 Carrier				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 125.00	28.637
		Middle	2 145.00	28.604
		High	2 165.00	28.578
1		Low	2 125.00	28.656
		Middle	2 145.00	28.655
		High	2 165.00	28.657
2		Low	2 125.00	28.604
		Middle	2 145.00	28.625
		High	2 165.00	28.622
3		Low	2 125.00	28.649
		Middle	2 145.00	28.661
		High	2 165.00	28.624

Tabular Data of RF Contiguous Occupied Bandwidth

(4 Port) LTE B25 5 MHz 1 Carrier + LTE B25 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 935.00	9.4512
		Middle	1 962.50	9.4856
		High	1 990.00	9.4831
1		Low	1 935.00	9.4564
		Middle	1 962.50	9.4455
		High	1 990.00	9.4590
2		Low	1 935.00	9.4538
		Middle	1 962.50	9.4649
		High	1 990.00	9.4713
3		Low	1 935.00	9.4838
		Middle	1 962.50	9.4558
		High	1 990.00	9.4655

(4 Port) 5G NR n25 5 MHz 1 Carrier + LTE B25 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 935.00	9.4642
		Middle	1 962.50	9.4607
		High	1 990.00	9.4794
1		Low	1 935.00	9.4735
		Middle	1 962.50	9.4954
		High	1 990.00	9.4659
2		Low	1 935.00	9.4675
		Middle	1 962.50	9.4642
		High	1 990.00	9.4754
3		Low	1 935.00	9.4830
		Middle	1 962.50	9.4631
		High	1 990.00	9.4756

(4 Port) 5G NR n25 5 MHz 1 Carrier + 5G NR n25 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 935.00	9.4377
		Middle	1 962.50	9.4648
		High	1 990.00	9.4215
1		Low	1 935.00	9.4667
		Middle	1 962.50	9.4509
		High	1 990.00	9.4548
2		Low	1 935.00	9.4448
		Middle	1 962.50	9.4631
		High	1 990.00	9.4410
3		Low	1 935.00	9.4484
		Middle	1 962.50	9.4764
		High	1 990.00	9.4571

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]

11.017/ LFE D003 MHz 1 Carrier + LFE D003 MHz 1 Carrier [2 carrier]				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 115.00	9.4426
		Middle	2 145.00	9.4671
		High	2 175.00	9.4397
1		Low	2 115.00	9.4761
		Middle	2 145.00	9.4789
		High	2 175.00	9.4882
2		Low	2 115.00	9.4609
		Middle	2 145.00	9.4757
		High	2 175.00	9.5068
3		Low	2 115.00	9.4224
		Middle	2 145.00	9.4513
		High	2 175.00	9.4662

(4 Port) 5G NR n66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 115.00	9.4544
		Middle	2 145.00	9.4543
		High	2 175.00	9.4588
1		Low	2 115.00	9.4764
		Middle	2 145.00	9.4684
		High	2 175.00	9.4650
2		Low	2 115.00	9.4613
		Middle	2 145.00	9.4641
		High	2 175.00	9.4632
3		Low	2 115.00	9.4685
		Middle	2 145.00	9.4503
		High	2 175.00	9.4743

(4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

17.01/ 50 NR 100.5 MHz 1 Carrier + 50 NR 100.5 MHz 1 Carrier [2 Carrier]				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 115.00	9.4201
		Middle	2 145.00	9.4544
		High	2 175.00	9.4557
1		Low	2 115.00	9.4367
		Middle	2 145.00	9.4535
		High	2 175.00	9.4366
2		Low	2 115.00	9.4559
		Middle	2 145.00	9.4398
		High	2 175.00	9.4284
3		Low	2 115.00	9.4301
		Middle	2 145.00	9.4619
		High	2 175.00	9.4669

(4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 952.50	43.303
		Middle	1 962.50	43.281
		High	1 972.50	43.299
1		Low	1 952.50	43.274
		Middle	1 962.50	43.367
		High	1 972.50	43.238
2		Low	1 952.50	43.304
		Middle	1 962.50	43.275
		High	1 972.50	43.310
3		Low	1 952.50	43.217
		Middle	1 962.50	43.324
		High	1 972.50	43.334

(4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier]

1 Port / 120 SS NR 5G MHz 1 Carrier + B20 LTE 5 MHz 1 Carrier + B20 LTE 10 MHz 1 Carrier [5 carrier]				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 952.50	43.664
		Middle	1 962.50	43.715
		High	1 972.50	43.706
1		Low	1 952.50	43.671
		Middle	1 962.50	43.690
		High	1 972.50	43.729
2		Low	1 952.50	43.623
		Middle	1 962.50	43.633
		High	1 972.50	43.665
3		Low	1 952.50	43.682
		Middle	1 962.50	43.632
		High	1 972.50	43.601

(4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	1 952.50	43.924
		Middle	1 962.50	43.935
		High	1 972.50	43.915
1		Low	1 952.50	43.902
		Middle	1 962.50	43.930
		High	1 972.50	43.931
2		Low	1 952.50	43.898
		Middle	1 962.50	43.982
		High	1 972.50	43.902
3		Low	1 952.50	43.90
		Middle	1 962.50	43.868
		High	1 972.50	43.906

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier]

D00-ELE 20 MHz 1 Carrier [5 Carrier]				
Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 140.00	58.337
		Middle	2 145.00	58.419
		High	2 150.00	58.439
1		Low	2 140.00	58.440
		Middle	2 145.00	58.311
		High	2 150.00	58.338
2		Low	2 140.00	58.419
		Middle	2 145.00	58.378
		High	2 150.00	58.483
3		Low	2 140.00	58.349
		Middle	2 145.00	58.365
		High	2 150.00	58.385

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 140.00	58.216
		Middle	2 145.00	58.281
		High	2 150.00	58.383
1		Low	2 140.00	58.291
		Middle	2 145.00	58.317
		High	2 150.00	58.310
2		Low	2 140.00	58.316
		Middle	2 145.00	58.389
		High	2 150.00	58.314
3		Low	2 140.00	58.188
		Middle	2 145.00	58.275
		High	2 150.00	58.355

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 140.00	59.135
		Middle	2 145.00	59.045
		High	2 150.00	59.314
1		Low	2 140.00	59.181
		Middle	2 145.00	59.154
		High	2 150.00	59.241
2		Low	2 140.00	59.127
		Middle	2 145.00	59.118
		High	2 150.00	59.058
3		Low	2 140.00	59.084
		Middle	2 145.00	59.167
		High	2 150.00	59.155

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	64QAM	Low	2 140.00	58.692
		Middle	2 145.00	58.739
		High	2 150.00	58.798
1		Low	2 140.00	58.650
		Middle	2 145.00	58.815
		High	2 150.00	58.721
2		Low	2 140.00	58.778
		Middle	2 145.00	58.752
		High	2 150.00	58.845
3		Low	2 140.00	58.803
		Middle	2 145.00	58.741
		High	2 150.00	58.776

Tabular Data of RF Non-Contiguous Occupied Bandwidth

(4 Port) LTE B25 5 MHz 1 Carrier + LTE B25 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	LTE B25 5 MHz 1 Carrier		LTE B25 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 932.50	4.5019	1 992.50	4.5011	9.0030
1	64QAM	1 932.50	4.5046	1 992.50	4.4965	9.0011
2	64QAM	1 932.50	4.4989	1 992.50	4.4911	8.9901
3	64QAM	1 932.50	4.4987	1 992.50	4.4985	8.9971

(4 Port) 5G NR n25 5 MHz 1 Carrier + LTE B25 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	5G NR n25 5 MHz 1 Carrier		LTE B25 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 932.50	4.4808	1 992.50	4.5106	8.9913
1	64QAM	1 932.50	4.4826	1 992.50	4.5062	8.9888
2	64QAM	1 932.50	4.4661	1 992.50	4.4990	8.9652
3	64QAM	1 932.50	4.4911	1 992.50	4.5020	8.9931

(4 Port) 5G NR n25 5 MHz 1 Carrier + 5G NR n25 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	5G NR n25 5 MHz 1 Carrier		5G NR n25 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 932.50	4.4880	1 992.50	4.4864	8.9745
1	64QAM	1 932.50	4.4807	1 992.50	4.4960	8.9767
2	64QAM	1 932.50	4.4769	1 992.50	4.4771	8.9540
3	64QAM	1 932.50	4.4696	1 992.50	4.4698	8.9394

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	LTE B66 5 MHz 1 Carrier		LTE B66 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4949	2 177.50	4.4969	8.9918
1	64QAM	2 112.50	4.4910	2 177.50	4.4907	8.9817
2	64QAM	2 112.50	4.4848	2 177.50	4.4952	8.9800
3	64QAM	2 112.50	4.4973	2 177.50	4.4872	8.9846

(4 Port) 5G NR n66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	5G NR n66 5 MHz 1 Carrier		LTE B66 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4691	2 177.50	4.4926	8.9617
1	64QAM	2 112.50	4.4734	2 177.50	4.4926	8.9660
2	64QAM	2 112.50	4.4704	2 177.50	4.4945	8.9648
3	64QAM	2 112.50	4.4714	2 177.50	4.4891	8.9605

(4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	5G NR n66 5 MHz 1 Carrier		5G NR n66 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4669	2 177.50	4.4850	8.9518
1	64QAM	2 112.50	4.4787	2 177.50	4.4766	8.9553
2	64QAM	2 112.50	4.4717	2 177.50	4.4810	8.9527
3	64QAM	2 112.50	4.4750	2 177.50	4.4784	8.9534

(4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod.	B25 LTE 10 MHz 1 Carrier		B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 935.00	8.9735	1 977.50	33.021	41.995
1	64QAM	1 935.00	8.9646	1 977.50	33.173	42.138
2	64QAM	1 935.00	8.9764	1 977.50	33.193	42.169
3	64QAM	1 935.00	8.9858	1 977.50	33.112	42.098

(4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod.	B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier		B25 LTE 20 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 942.50	23.635	1 985.00	17.899	41.534
1	64QAM	1 942.50	23.675	1 985.00	17.905	41.580
2	64QAM	1 942.50	23.628	1 985.00	17.904	41.531
3	64QAM	1 942.50	23.634	1 985.00	17.912	41.546

(4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod.	n25 5G NR 30 MHz 1 Carrier		B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 945.00	28.660	1 987.50	14.223	42.884
1	64QAM	1 945.00	28.615	1 987.50	14.209	42.824
2	64QAM	1 945.00	28.658	1 987.50	14.198	42.856
3	64QAM	1 945.00	28.667	1 987.50	14.175	42.841

(4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod.	n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier		B25 LTE 10 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 947.50	33.968	1 990.00	8.9680	42.936
1	64QAM	1 947.50	33.919	1 990.00	8.9631	42.882
2	64QAM	1 947.50	33.963	1 990.00	8.9875	42.950
3	64QAM	1 947.50	33.901	1 990.00	8.9780	42.879

(4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod.	n25 5G NR 5 MHz 1 Carrier		n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 932.50	4.4926	1 975.00	38.874	43.366
1	64QAM	1 932.50	4.4952	1 975.00	38.801	43.296
2	64QAM	1 932.50	4.4965	1 975.00	38.876	43.373
3	64QAM	1 932.50	4.4819	1 975.00	38.837	43.318

(4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod.	n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier		n25 5G NR 30 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	1 937.50	14.353	1 980.00	28.611	42.964
1	64QAM	1 937.50	14.350	1 980.00	28.571	42.921
2	64QAM	1 937.50	14.331	1 980.00	28.613	42.944
3	64QAM	1 937.50	14.362	1 980.00	28.644	43.006

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier] (1C+4C)

Ant.	Mod.	B66 LTE 5 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4853	2 152.50	53.625	58.111
1	64QAM	2 112.50	4.4913	2 152.50	53.598	58.090
2	64QAM	2 112.50	4.4841	2 152.50	53.757	58.241
3	64QAM	2 112.50	4.4929	2 152.50	53.679	58.172

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier] (4C+1C)

Ant.	Mod.	B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier		B66 LTE 20 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 130.00	38.523	2 170.00	17.949	56.471
1	64QAM	2 130.00	38.462	2 170.00	17.926	56.387
2	64QAM	2 130.00	38.477	2 170.00	17.941	56.418
3	64QAM	2 130.00	38.462	2 170.00	17.955	56.417

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (1C+4C)

Ant.	Mod.	n66 5G NR 30 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 125.00	28.599	2 165.00	28.914	57.513
1	64QAM	2 125.00	28.602	2 165.00	28.858	57.461
2	64QAM	2 125.00	28.623	2 165.00	28.906	57.529
3	64QAM	2 125.00	28.639	2 165.00	28.876	57.515

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (4C+1C)

Ant.	Mod.	n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier		B66 LTE 15 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 132.50	43.894	2 172.50	13.397	57.291
1	64QAM	2 132.50	43.794	2 172.50	13.457	57.251
2	64QAM	2 132.50	43.847	2 172.50	13.445	57.292
3	64QAM	2 132.50	43.830	2 172.50	13.457	57.287

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (1C+4C)

Ant.	Mod.	n66 5G NR 5 MHz 1 Carrier		n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4701	2 152.50	54.440	58.910
1	64QAM	2 112.50	4.4779	2 152.50	54.370	58.848
2	64QAM	2 112.50	4.4760	2 152.50	54.353	58.829
3	64QAM	2 112.50	4.4806	2 152.50	54.418	58.899

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (4C+1C)

Ant.	Mod.	n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 137.50	53.573	2 177.50	4.4994	58.072
1	64QAM	2 137.50	53.612	2 177.50	4.4905	58.103
2	64QAM	2 137.50	53.569	2 177.50	4.4970	58.066
3	64QAM	2 137.50	53.607	2 177.50	4.4956	58.103

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (1C+4C)

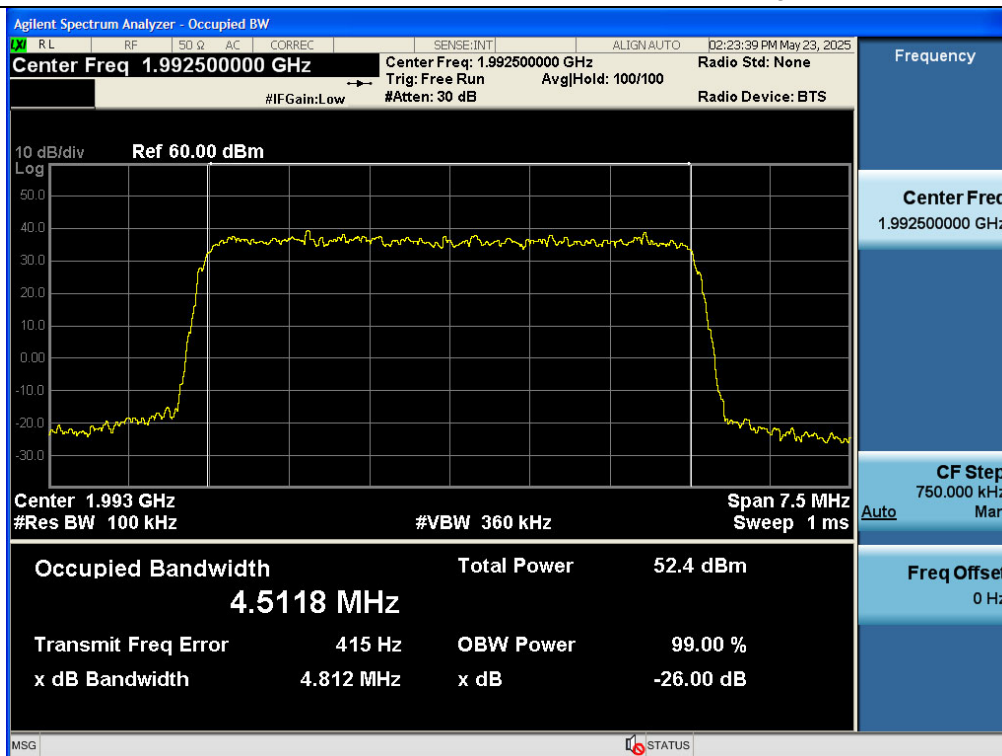
Ant.	Mod.	n66 5G NR 5 MHz 1 Carrier		n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 112.50	4.4710	2 152.50	53.941	58.412
1	64QAM	2 112.50	4.4841	2 152.50	53.938	58.422
2	64QAM	2 112.50	4.4835	2 152.50	53.957	58.440
3	64QAM	2 112.50	4.4827	2 152.50	53.907	58.390

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (4C+1C)

Ant.	Mod.	n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier		n66 5G NR 30 MHz 1 Carrier		Total OBW (MHz)
		Frequency (MHz)	Occupied Bandwidth (MHz)	Frequency (MHz)	Occupied Bandwidth (MHz)	
0	64QAM	2 125.00	29.173	2 165.00	28.598	57.771
1	64QAM	2 125.00	29.198	2 165.00	28.656	57.853
2	64QAM	2 125.00	29.175	2 165.00	28.680	57.855
3	64QAM	2 125.00	29.228	2 165.00	28.661	57.889

Plot Data of RF Occupied Bandwidth

Antenna 3 / (4 Port) LTE B25 5 MHz 1 Carrier / 64QAM / High



Antenna 0 / (4 Port) LTE B25 10 MHz 1 Carrier / 64QAM / Middle

