

99% & 26dB Bandwidth

Test Result

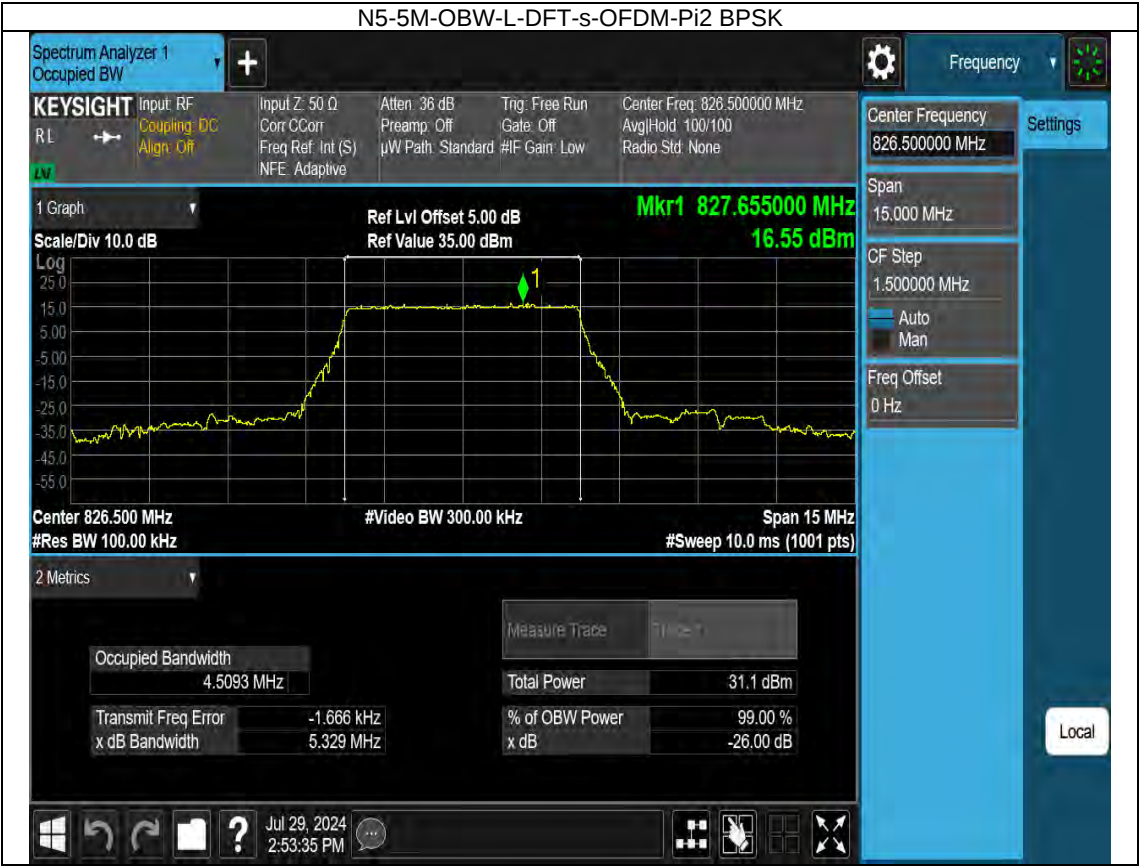
N5-5M-OBW-L-DFT-s-OFDM-Pi2 BPSK						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.51	5.33	/	Pass
CP-OFDM QPSK		Outer_Full	4.51	5.22	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.51	5.18	/	Pass
CP-OFDM QPSK		Outer_Full	4.52	5.31	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.51	5.31	/	Pass
CP-OFDM QPSK		Outer_Full	4.5	5.16	/	Pass

5G NR N5 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	8.92	9.65	/	Pass
CP-OFDM QPSK		Outer_Full	9.3	10.15	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.94	9.7	/	Pass
CP-OFDM QPSK		Outer_Full	9.3	10.15	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.92	9.6	/	Pass
CP-OFDM QPSK		Outer_Full	9.26	10.11	/	Pass

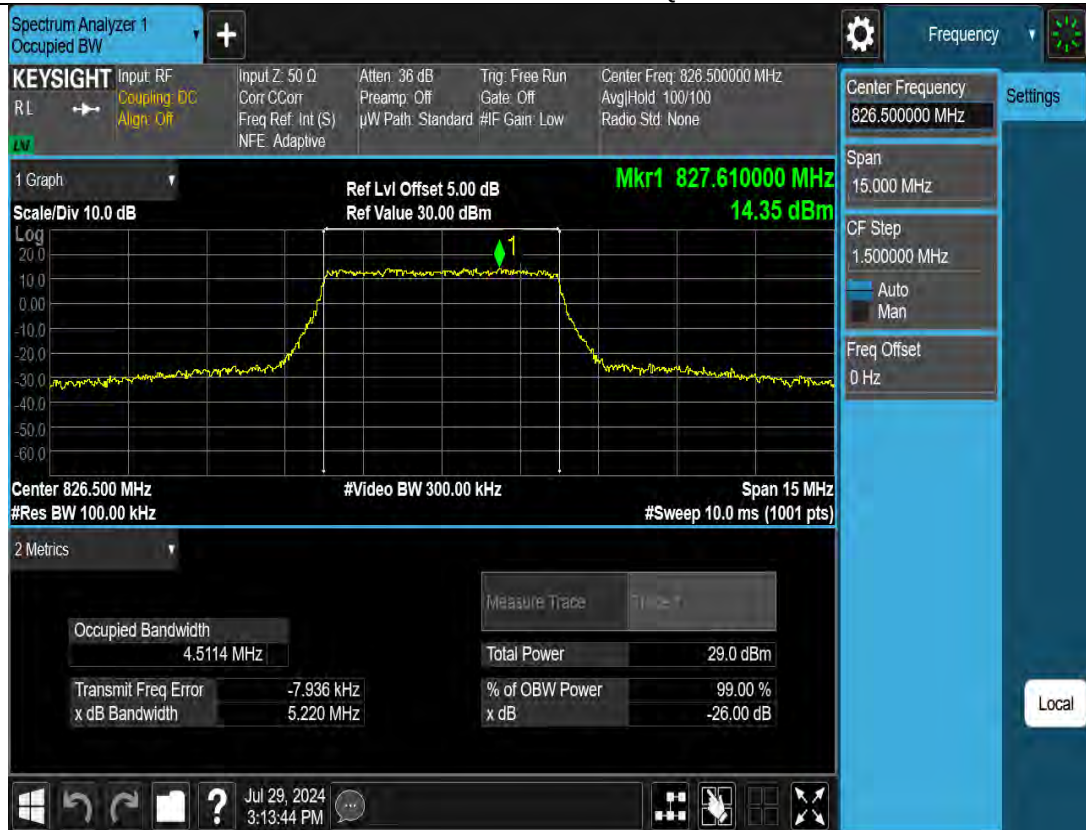
5G NR N5 SCS=15kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	13.45	14.56	/	Pass
CP-OFDM QPSK		Outer_Full	14.16	15.32	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.47	14.55	/	Pass
CP-OFDM QPSK		Outer_Full	14.16	15.19	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.44	14.52	/	Pass
CP-OFDM QPSK		Outer_Full	14.15	15.22	/	Pass

5G NR N5 SCS=15kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	17.91	19.02	/	Pass
CP-OFDM QPSK		Outer_Full	18.97	20.03	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.95	19.1	/	Pass
CP-OFDM QPSK		Outer_Full	18.93	20.18	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.93	19.05	/	Pass
CP-OFDM QPSK		Outer_Full	18.95	20.05	/	Pass

Test Graph



N5-5M-OBW-L-CP-OFDM-QPSK



N5-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N5-5M-OBW-M-CP-OFDM-QPSK



N5-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N5-5M-OBW-H-CP-OFDM-QPSK



N5-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N5-10M-OBW-L-CP-OFDM-QPSK



N5-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N5-10M-OBW-M-CP-OFDM-QPSK



N5-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N5-10M-OBW-H-CP-OFDM-QPSK



N5-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N5-15M-OBW-L-CP-OFDM-QPSK



N5-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N5-15M-OBW-M-CP-OFDM-QPSK



N5-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N5-15M-OBW-H-CP-OFDM-QPSK



N5-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N5-20M-OBW-L-CP-OFDM-QPSK



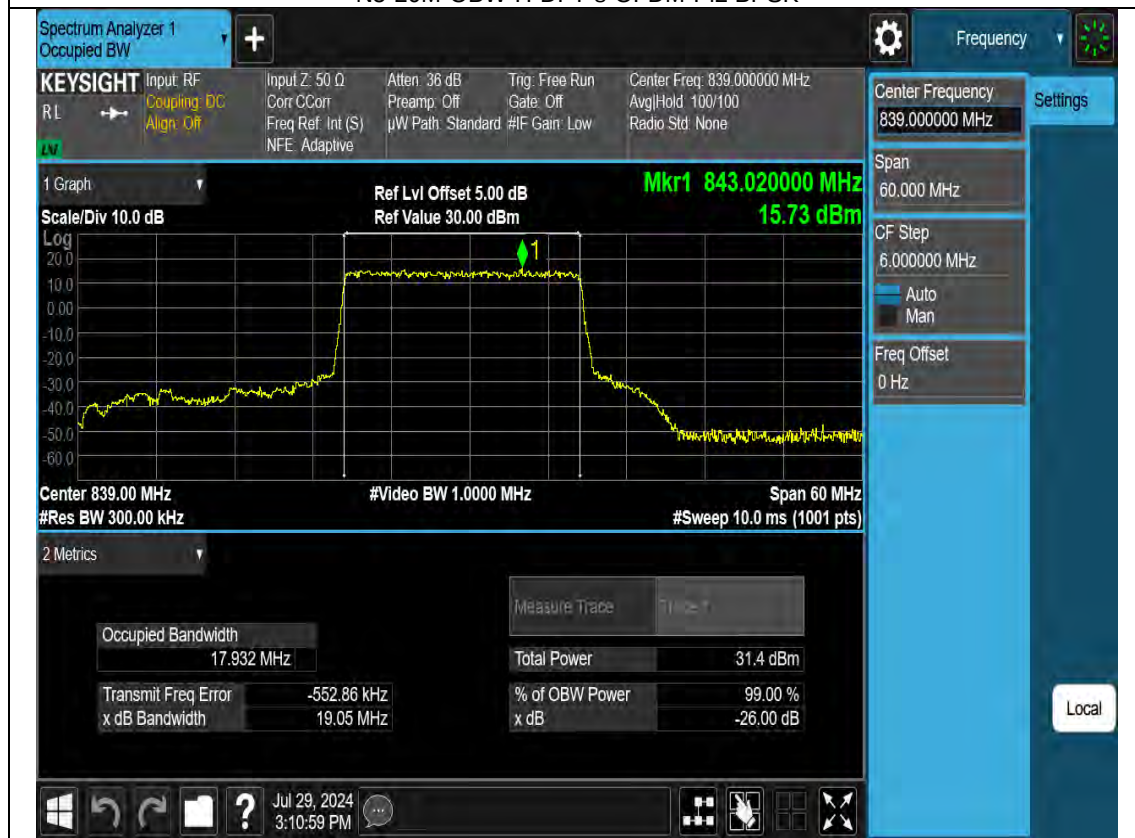
N5-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N5-20M-OBW-M-CP-OFDM-QPSK



N5-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N5-20M-OBW-H-CP-OFDM-QPSK



Peak-Average Ratio

Test Result

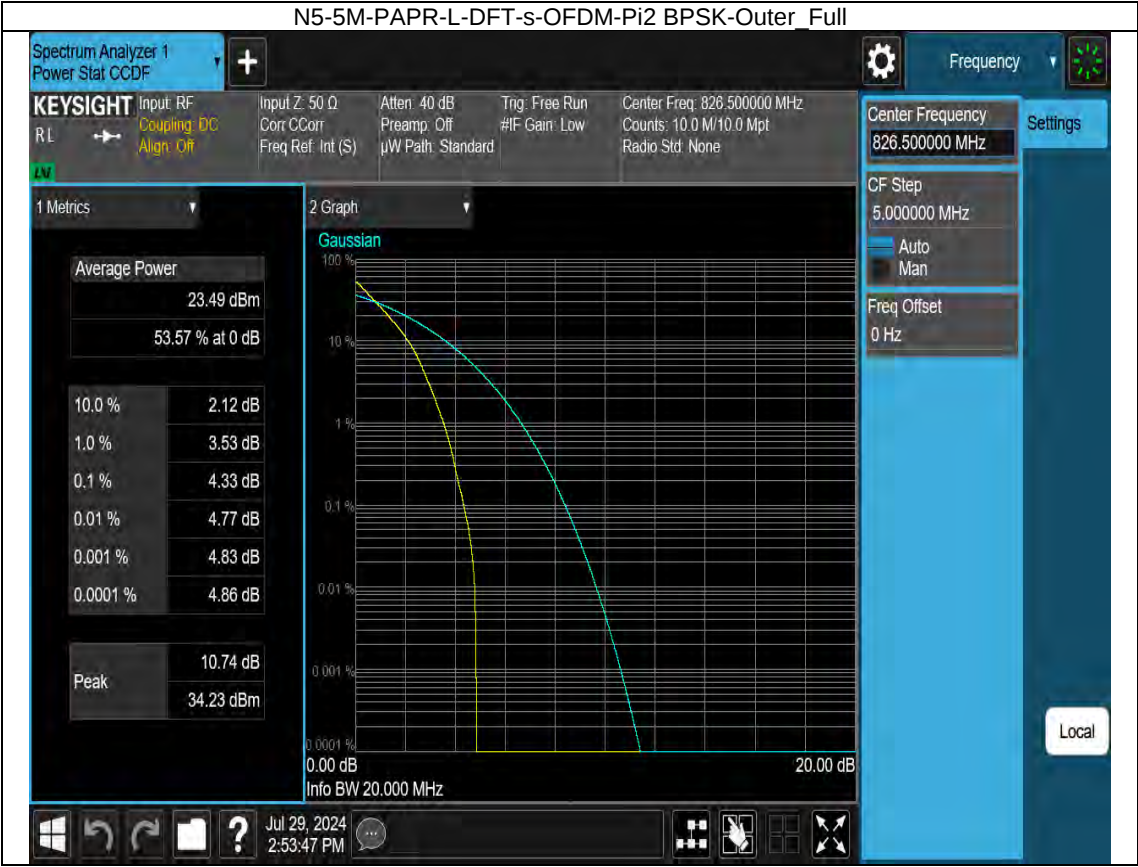
5G NR N5 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.57	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.16	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.3	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.83	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.5	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.29	<=13	Pass

5G NR N5 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.56	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.46	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.46	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.1	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.37	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.84	<=13	Pass

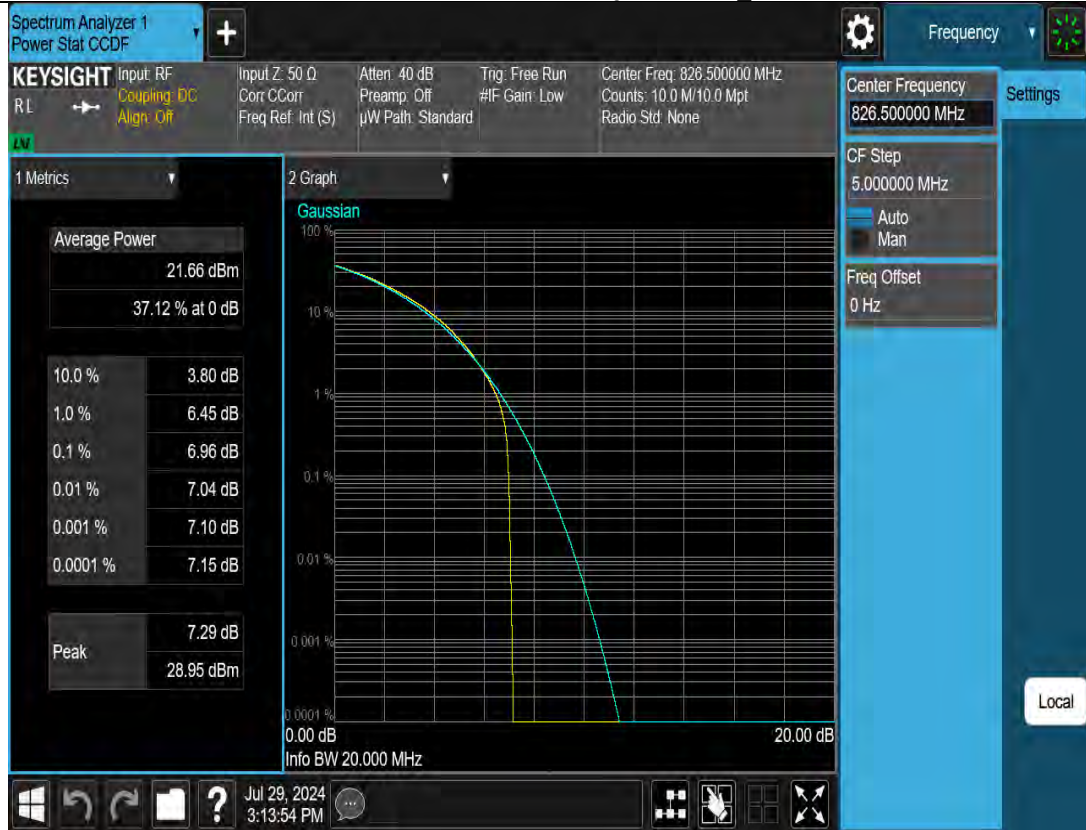
5G NR N5 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.62	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.42	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.5	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.04	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.7	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.67	<=13	Pass

5G NR N5 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.43	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.59	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.08	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.62	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.42	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.53	<=13	Pass

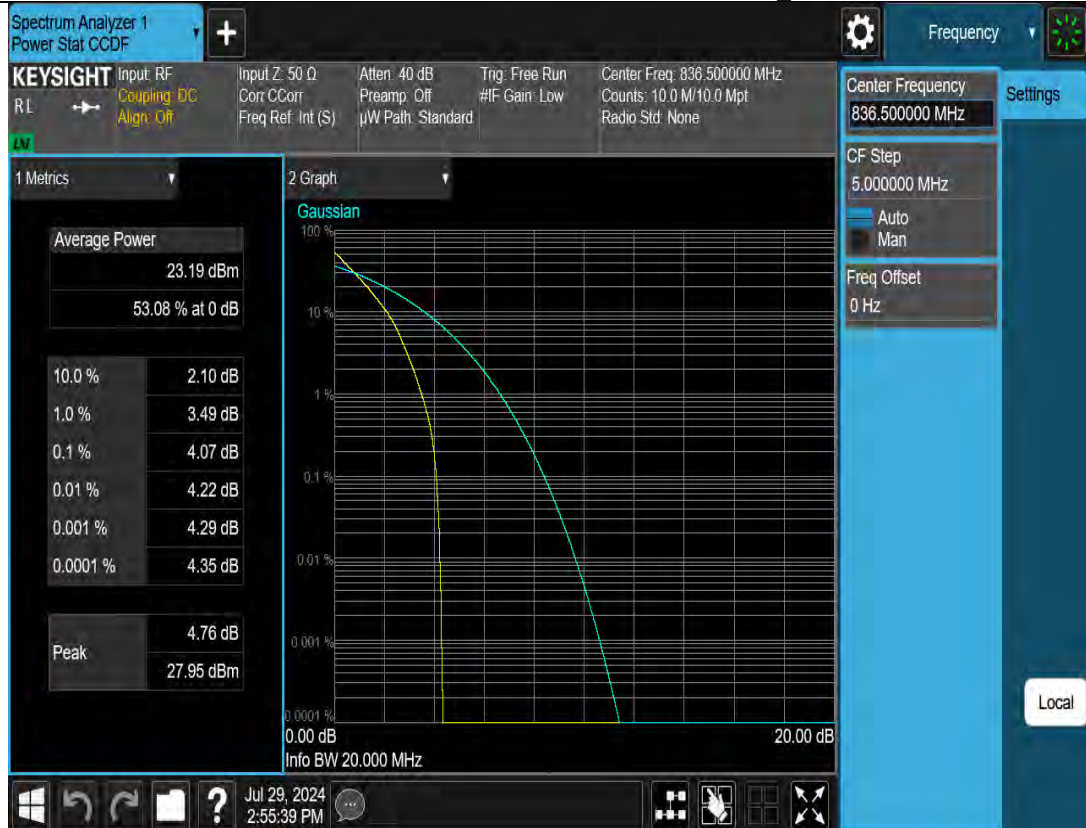
Test Graph



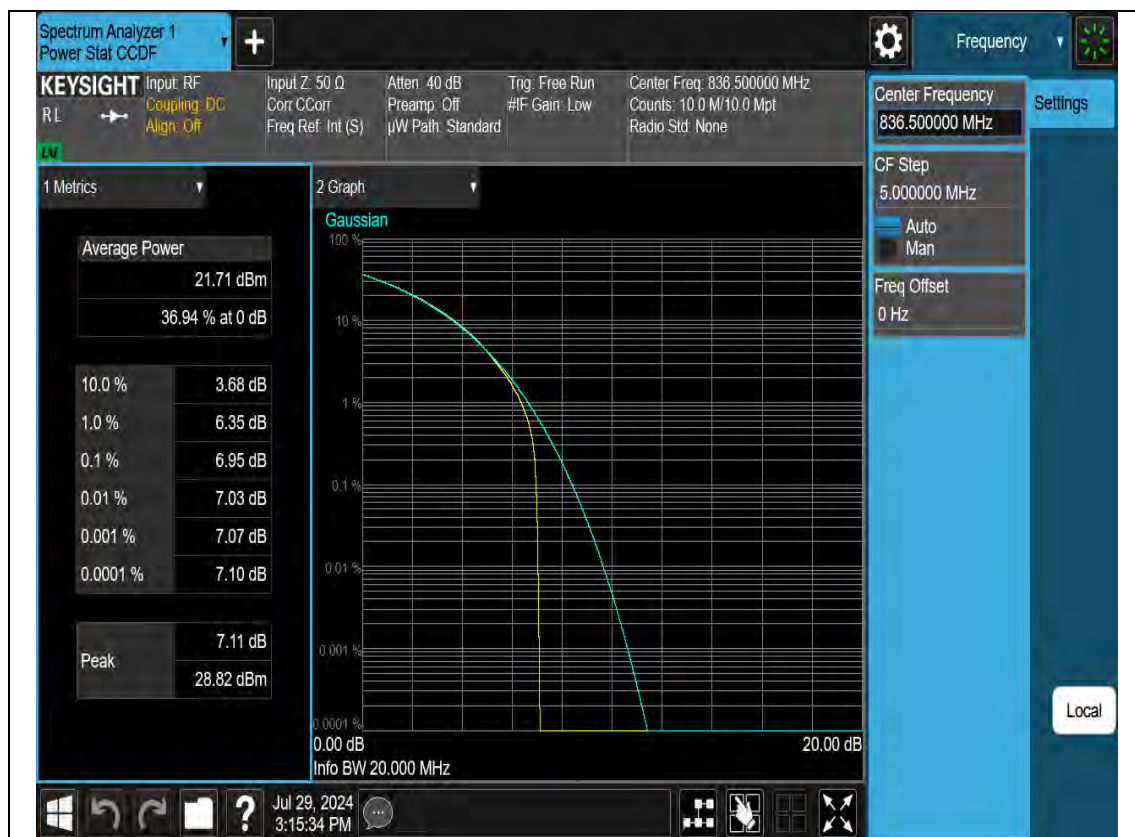
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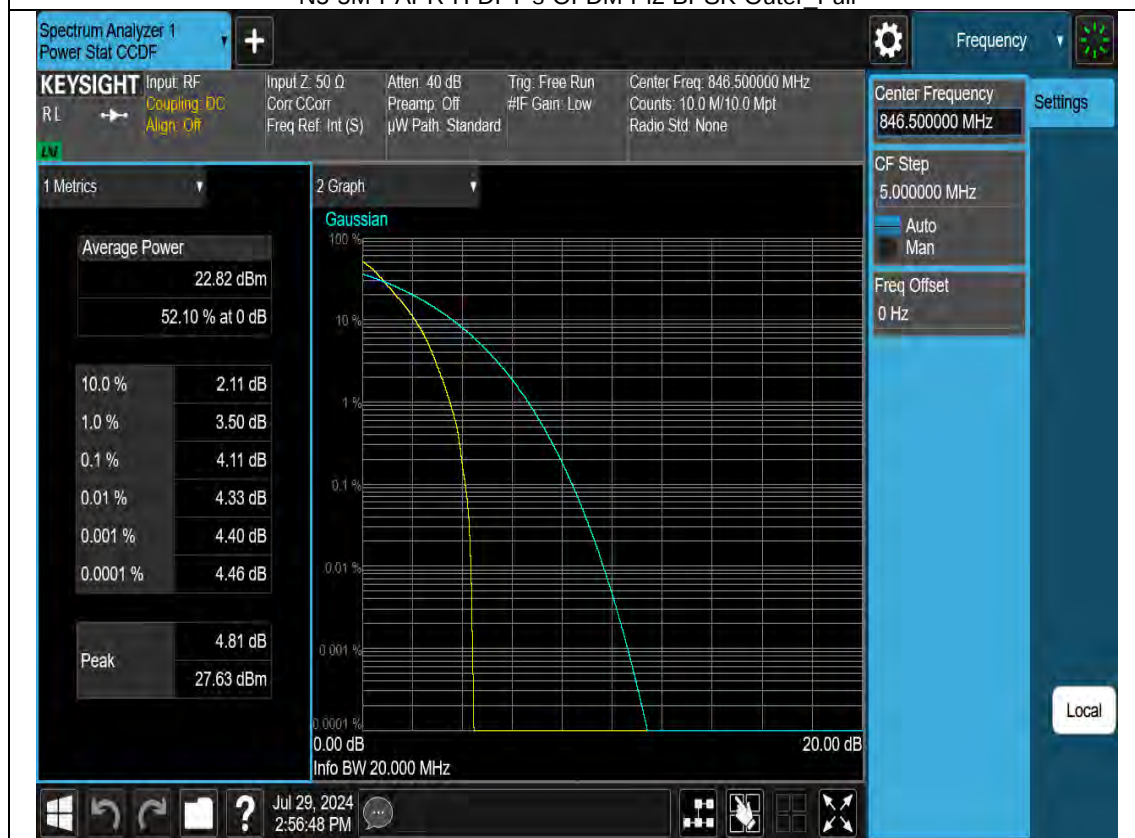
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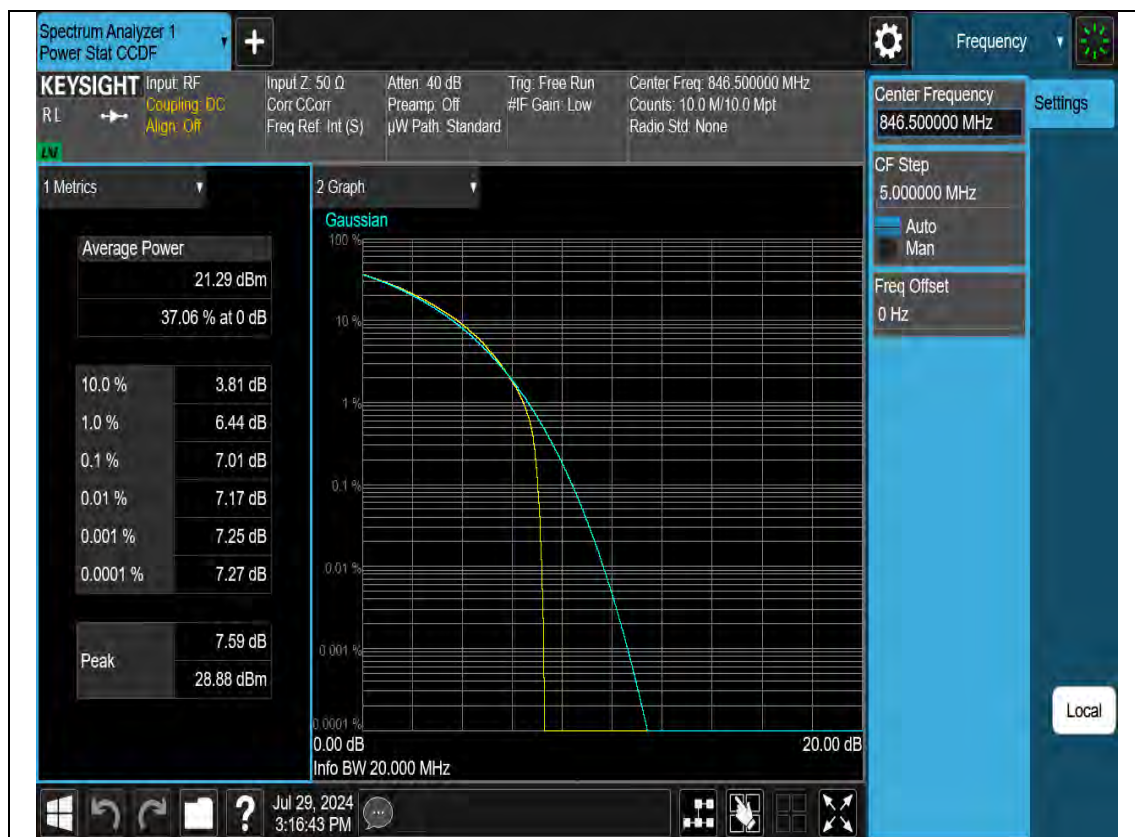
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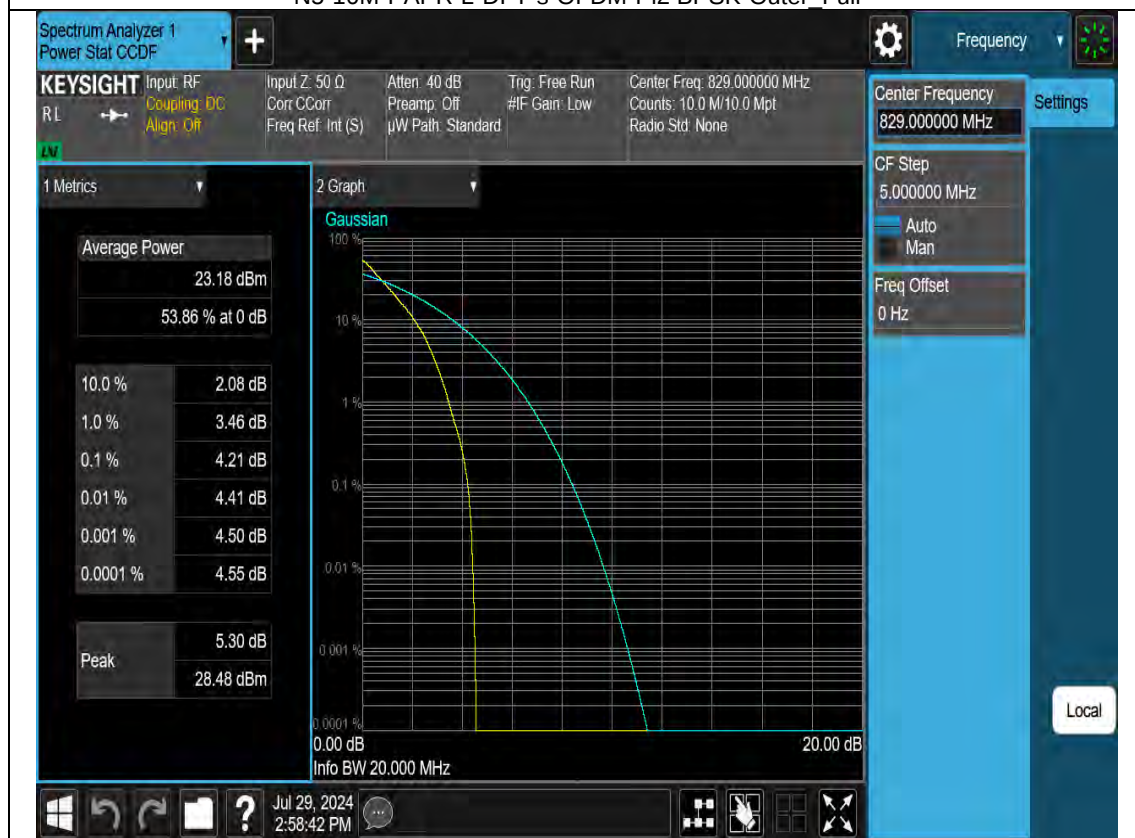
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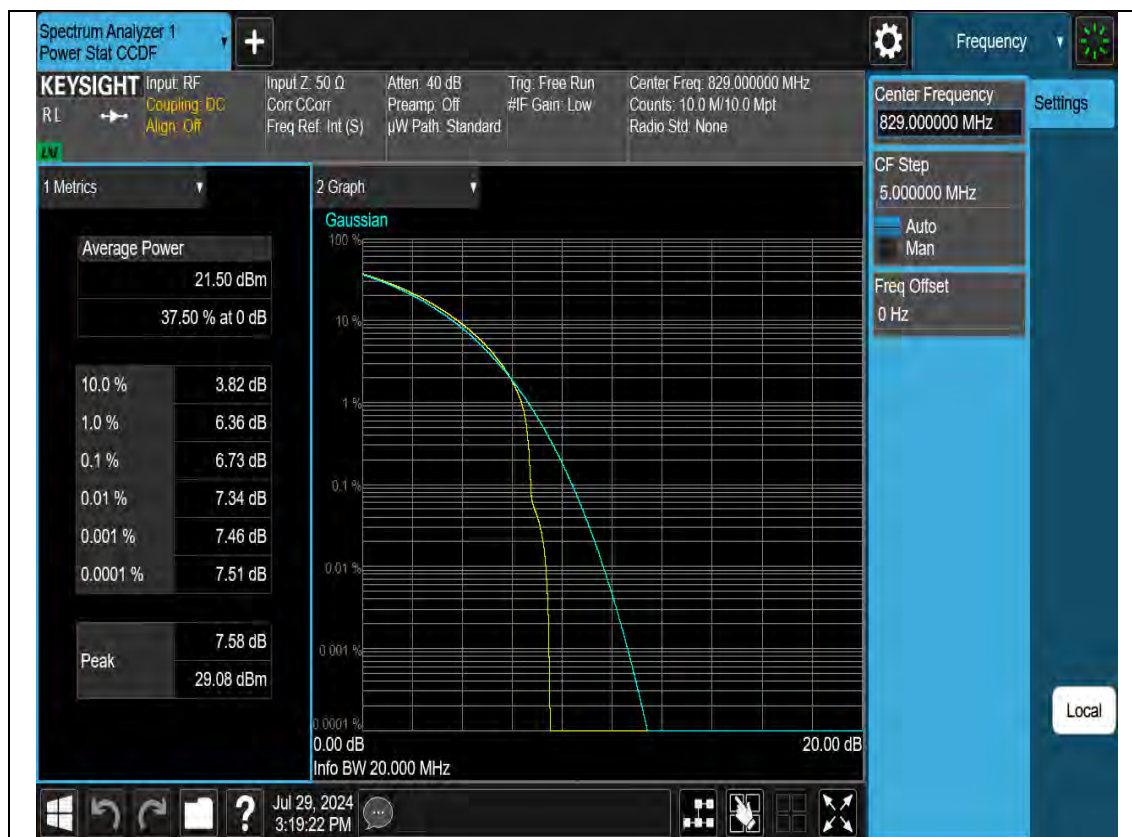
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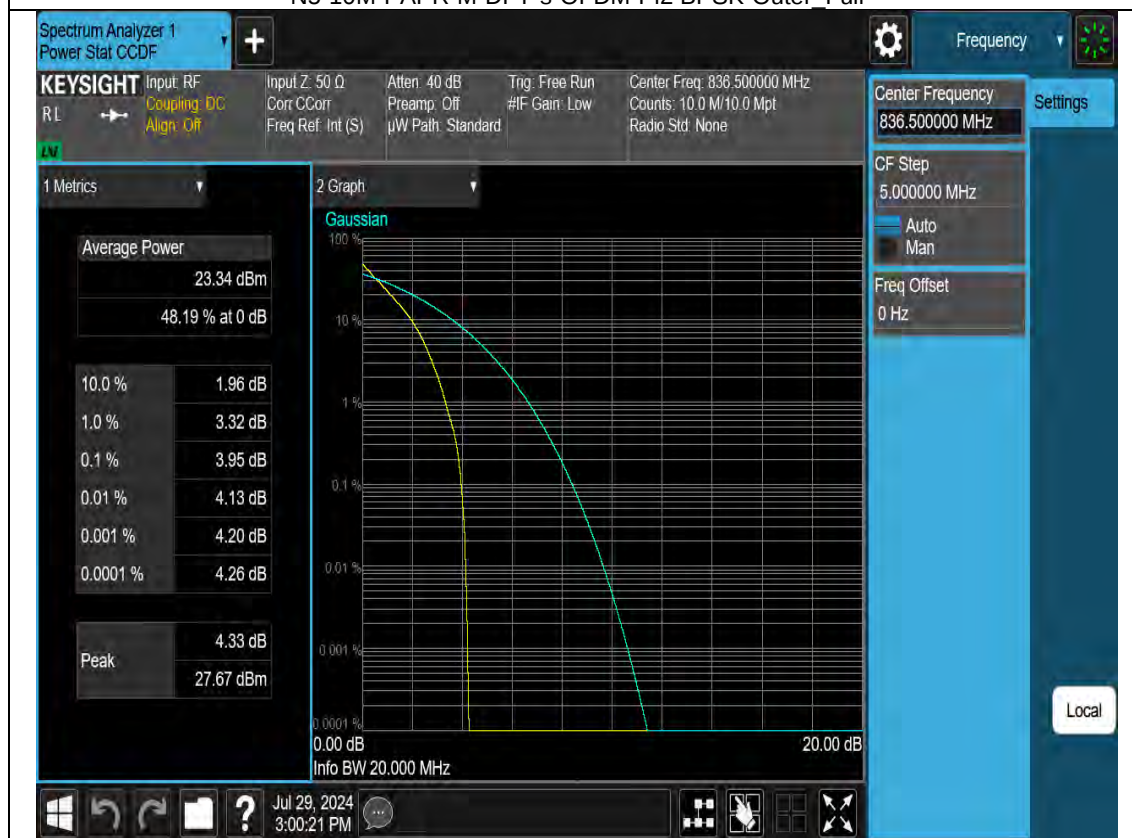
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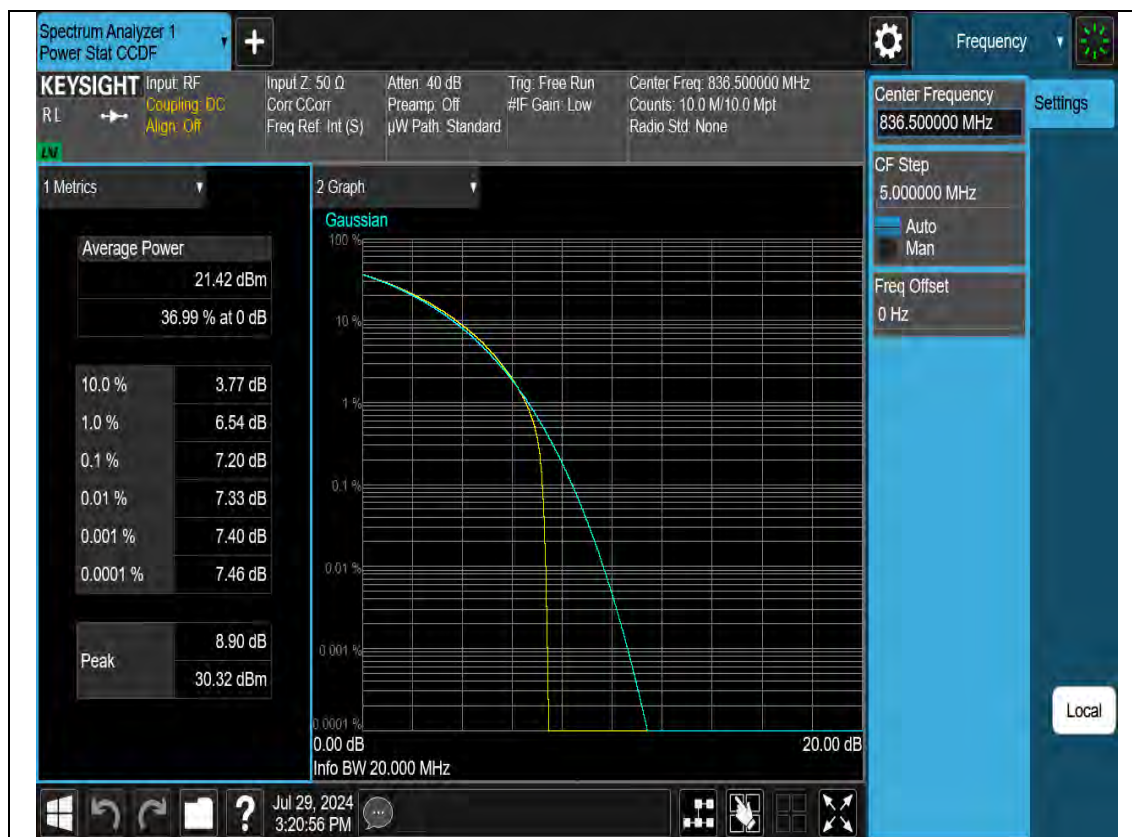
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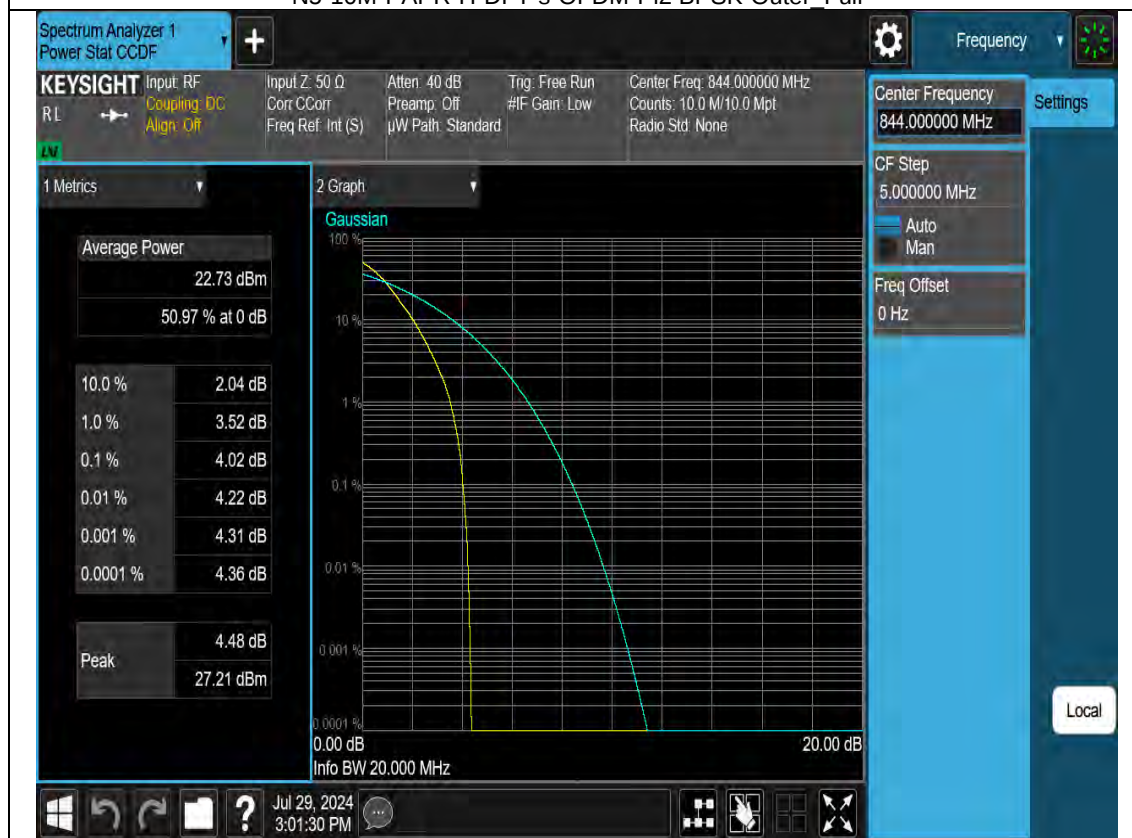
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N5-10M-PAPR-M-CP-OFDM-QPSK-Outer Full



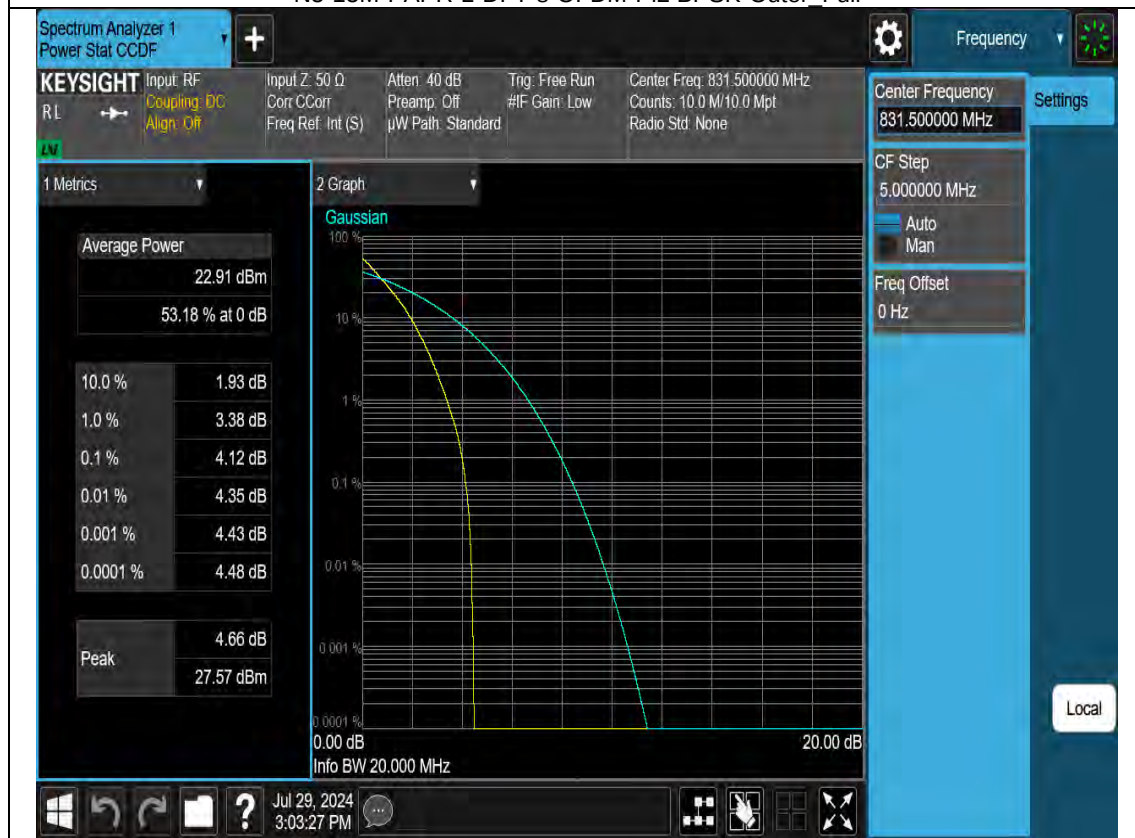
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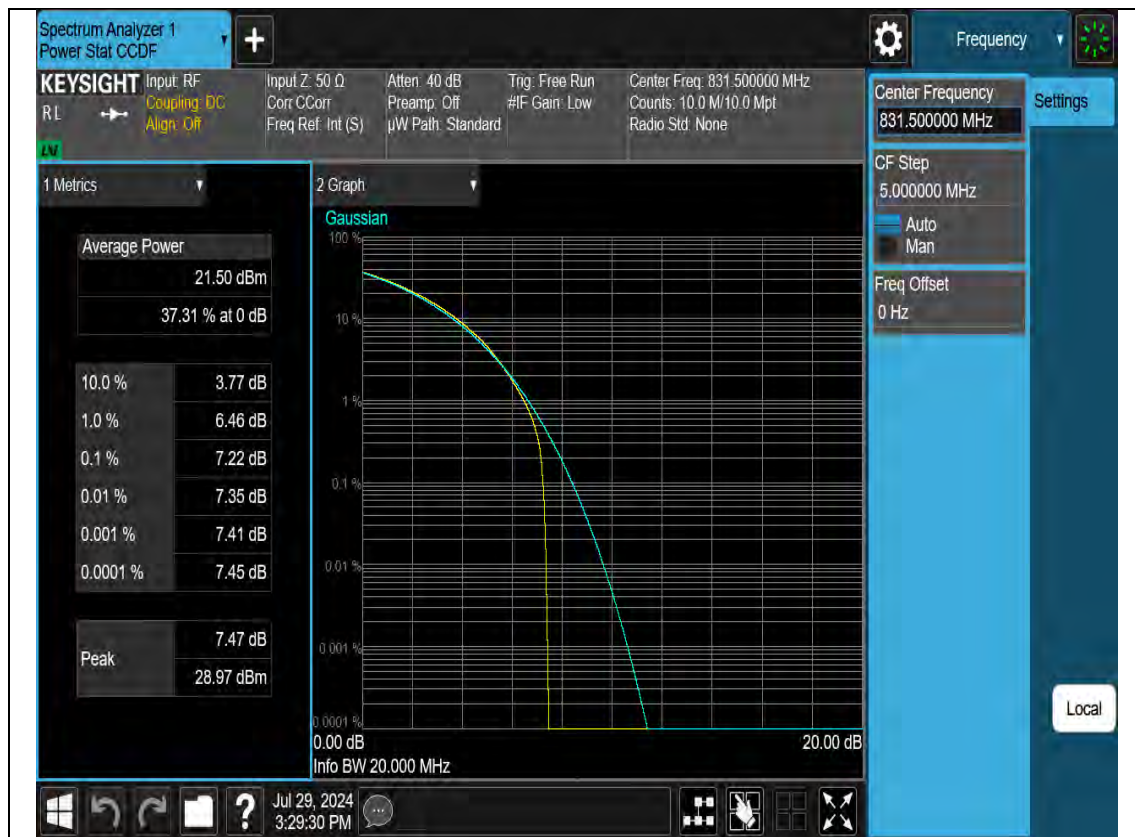
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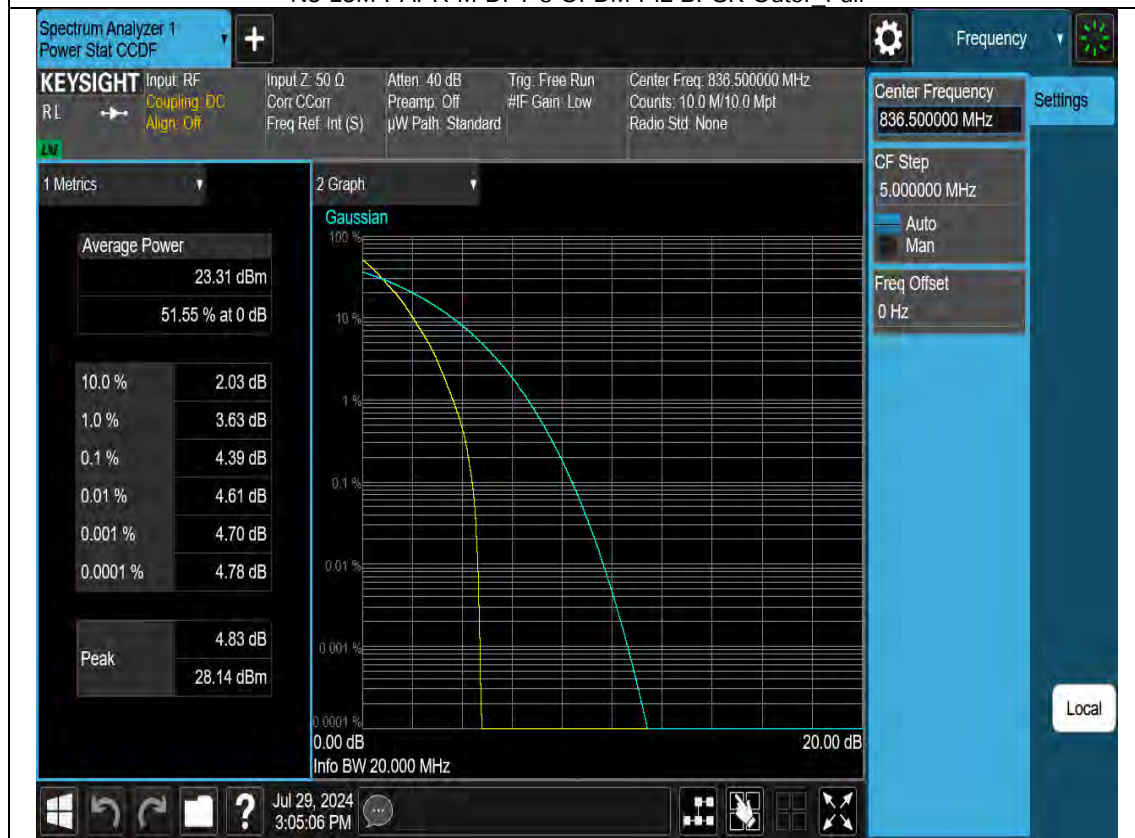
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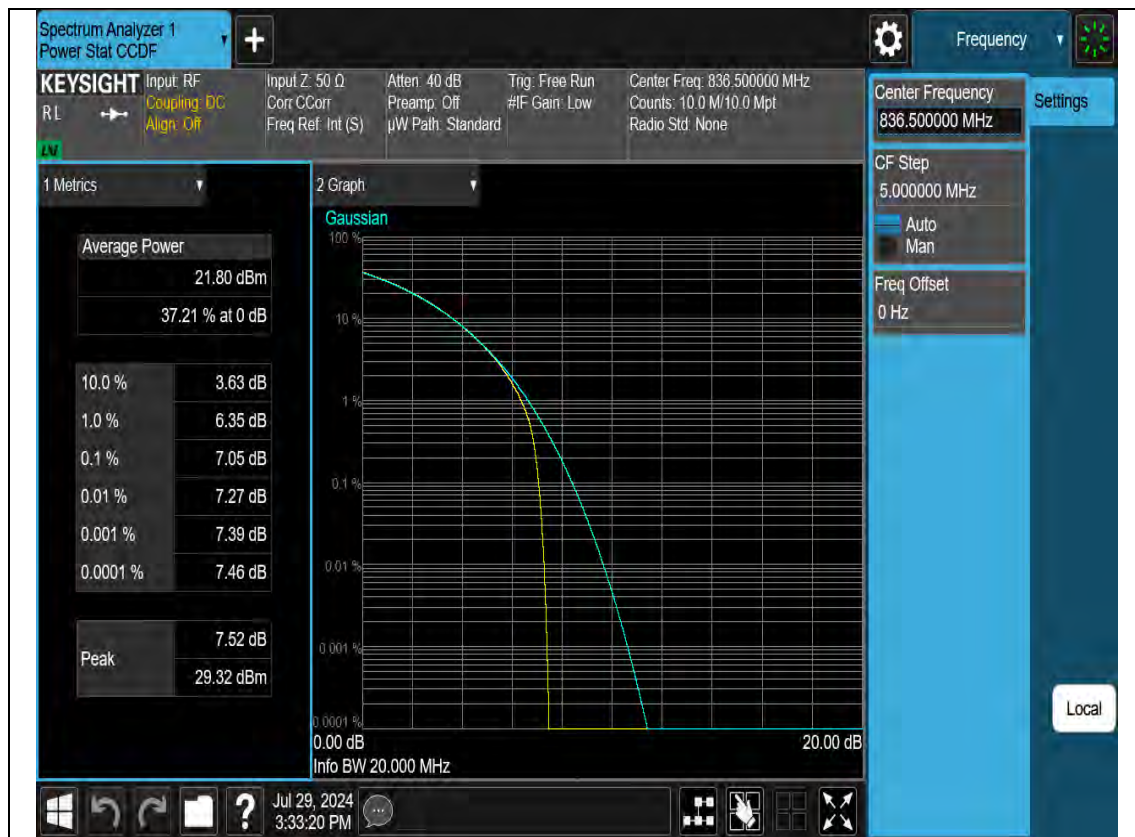
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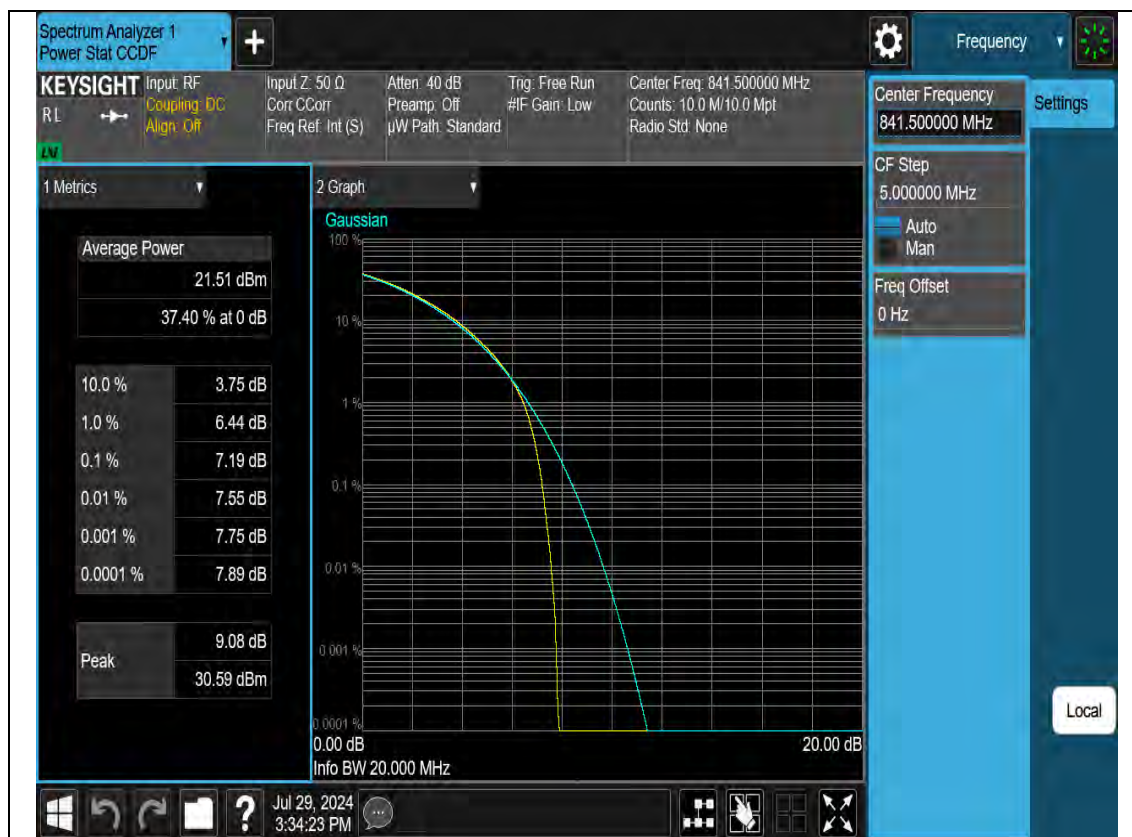
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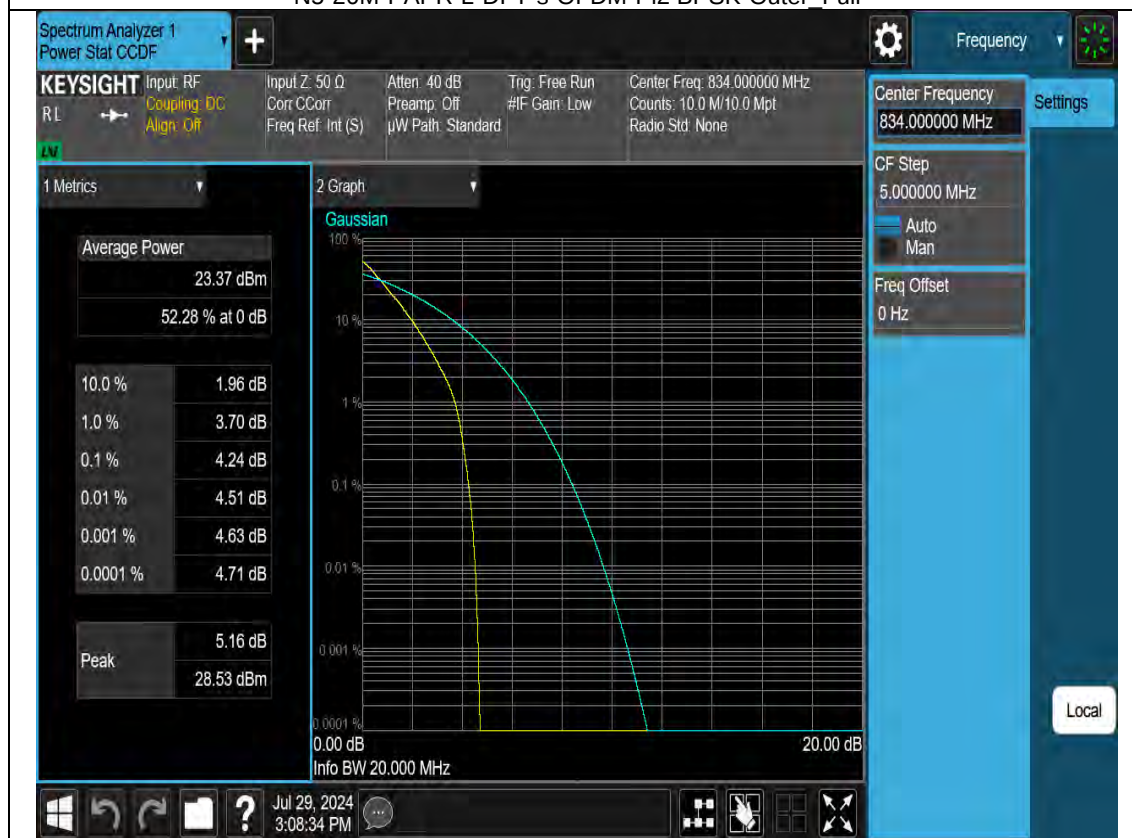
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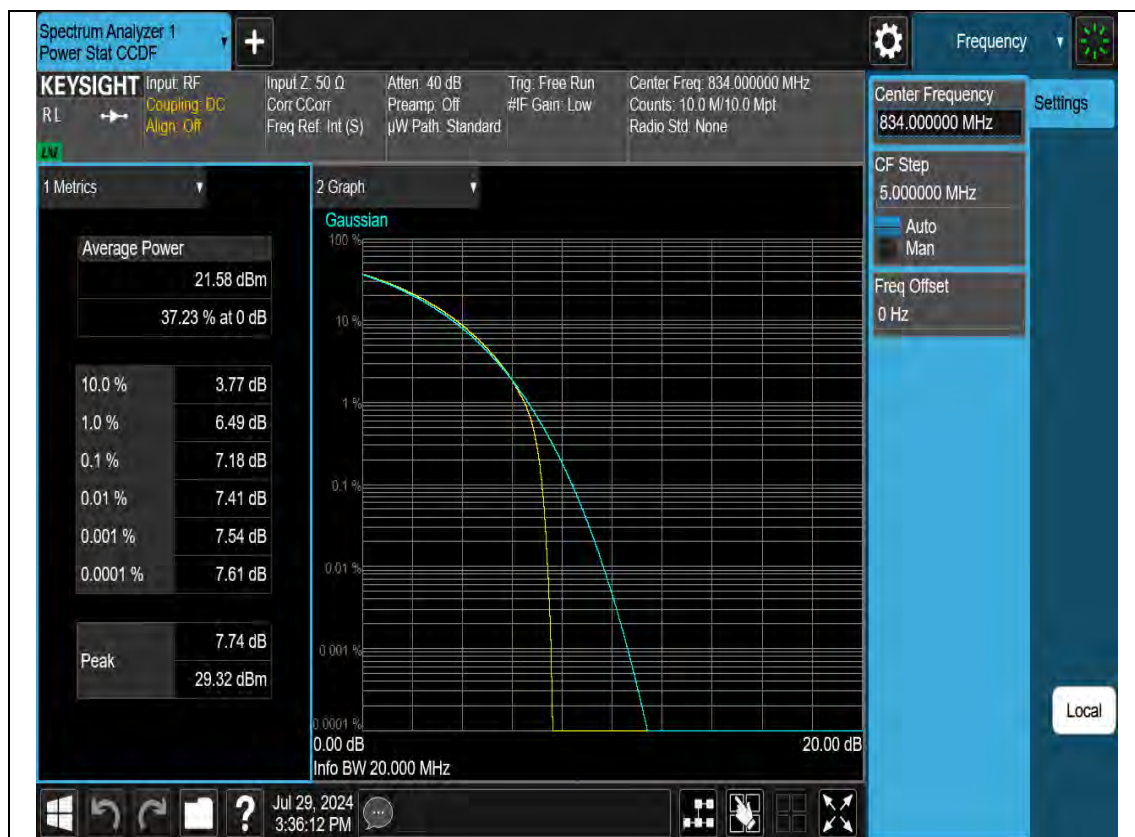
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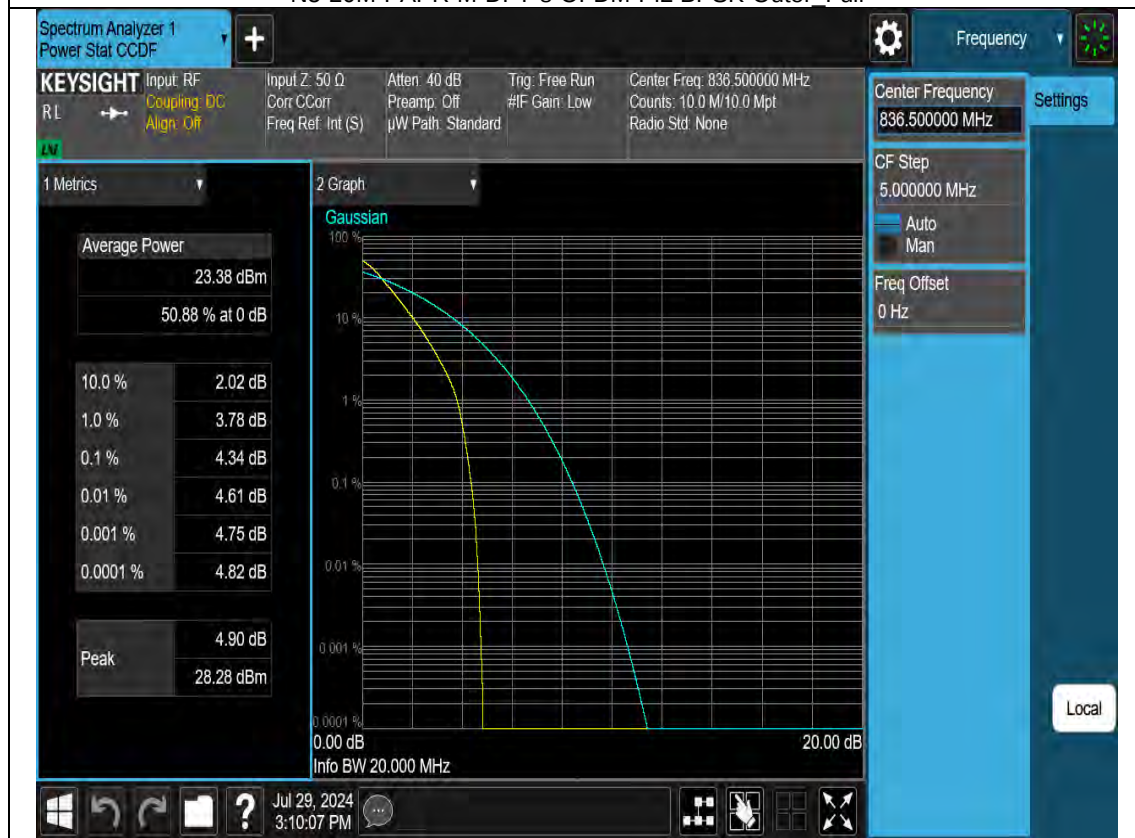
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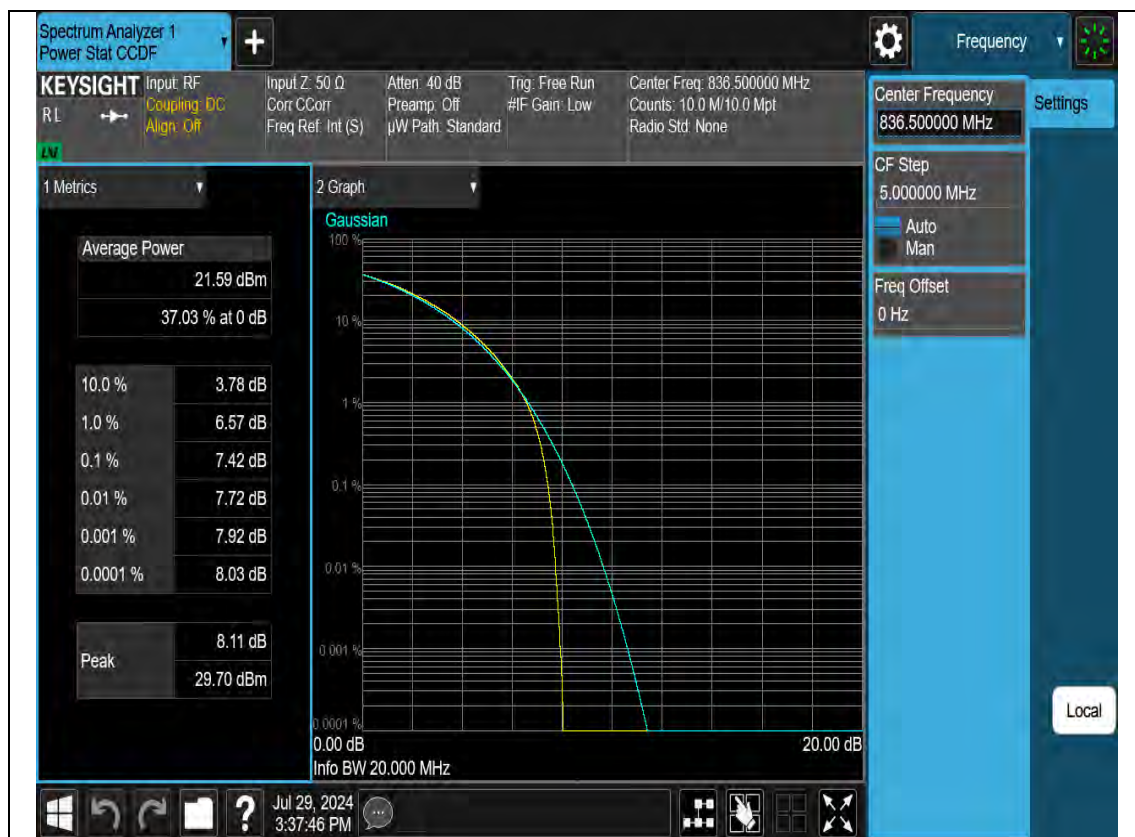
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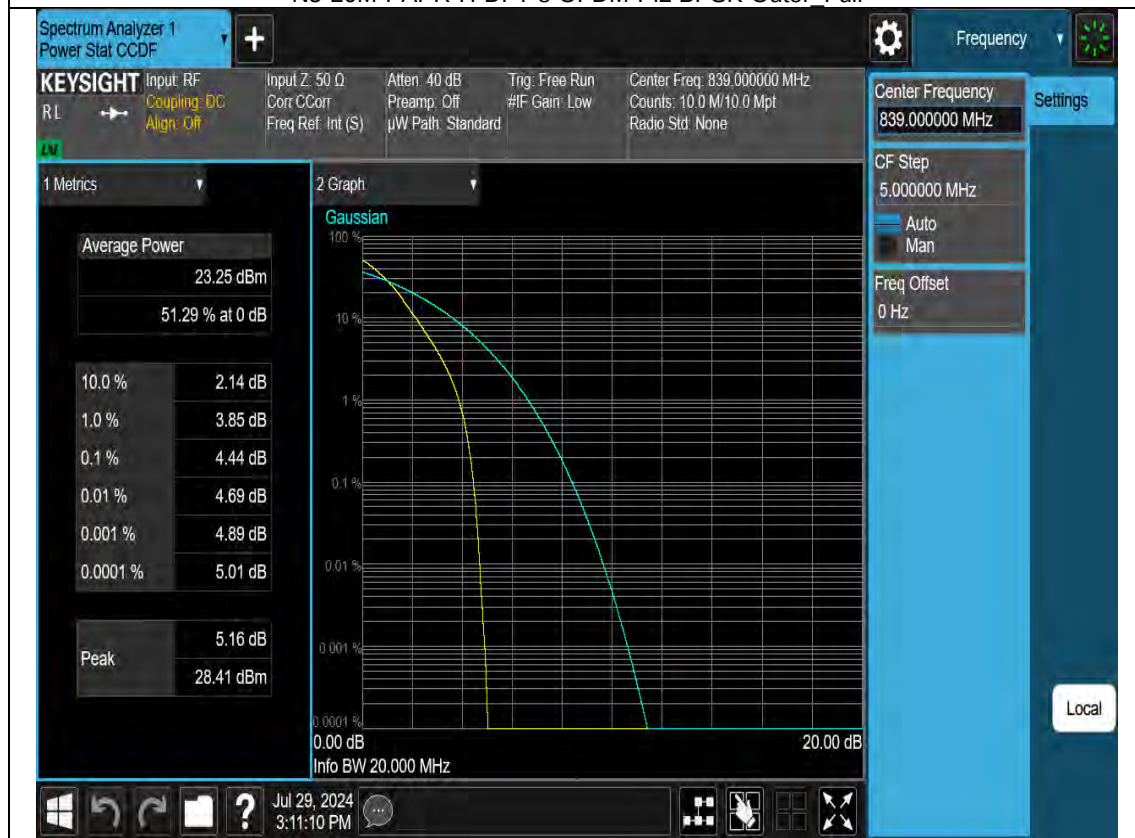
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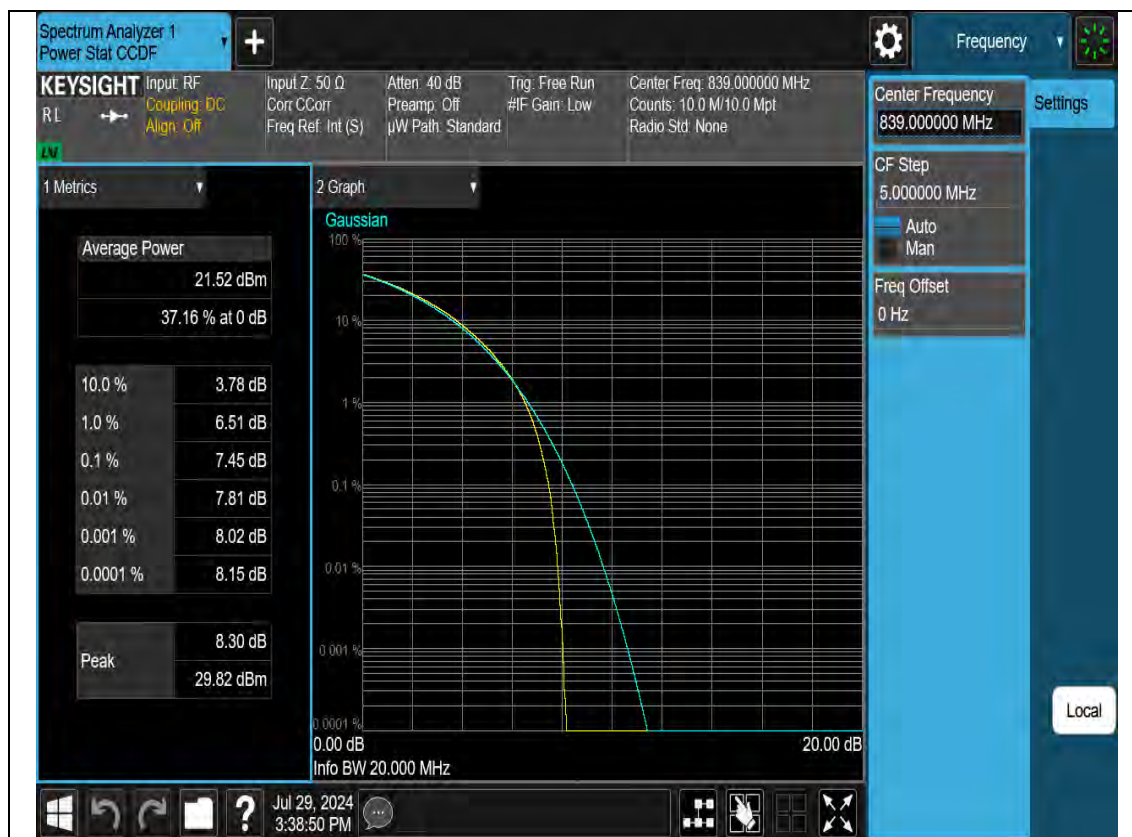
N5-20M-PAPR-M-CP-OFDM-QPSK-Outer Full



N5-20M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-20M-PAPR-H-CP-OFDM-QPSK-Outer Full



Bandedge test

test graph



N5-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N5-5M-Bandedge-L-CP-OFDM-QPSK-Outer Full



N5-5M-Bandedge-L-CP-OFDM-QPSK-1RB0



N5-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N5-5M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N5-5M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N5-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N5-10M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N5-10M-Bandedge-L-CP-OFDM-QPSK-1RB0



N5-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N5-10M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N5-10M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N5-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N5-15M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N5-15M-Bandedge-L-CP-OFDM-QPSK-1RB0



N5-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N5-15M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N5-15M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N5-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N5-20M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N5-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



N5-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N5-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N5-20M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N5-20M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



Conducted spurious emissions

test graph



N5-5M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



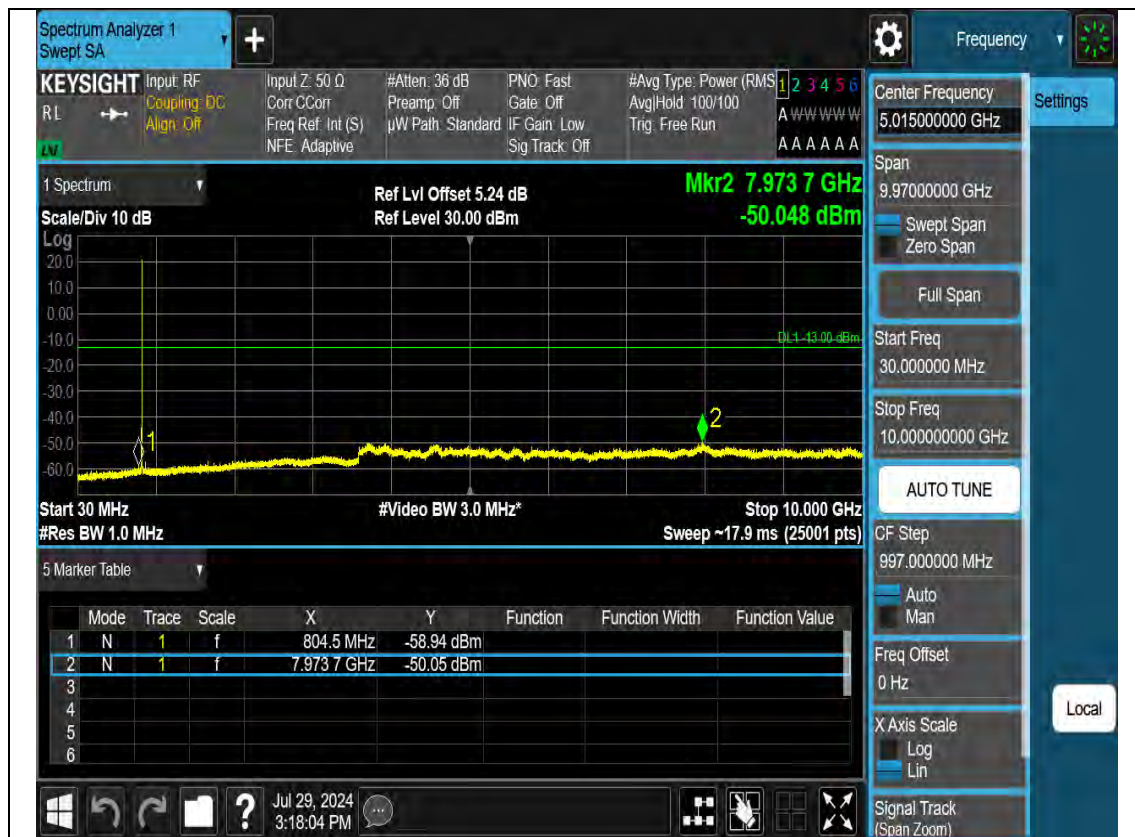
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N5-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-5M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-10M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-10M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-15M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-15M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N5-15M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N5-15M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz