

99% & 26dB Bandwidth

Test Result

5G NR N2 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.52	5.11	/	Pass
CP-OFDM QPSK		Outer_Full	4.49	5.29	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.52	5.26	/	Pass
CP-OFDM QPSK		Outer_Full	4.51	5.25	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.49	5.15	/	Pass
CP-OFDM QPSK		Outer_Full	4.5	5.2	/	Pass

5G NR N2 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	8.95	9.81	/	Pass
CP-OFDM QPSK		Outer_Full	9.3	10.27	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.96	9.79	/	Pass
CP-OFDM QPSK		Outer_Full	9.31	10.12	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.95	9.65	/	Pass
CP-OFDM QPSK		Outer_Full	9.3	10.16	/	Pass

5G NR N2 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	14.57	/	Pass
CP-OFDM QPSK		Outer_Full	14.15	15.23	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.5	14.6	/	Pass
CP-OFDM QPSK		Outer_Full	14.13	15.2	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.5	14.58	/	Pass
CP-OFDM QPSK		Outer_Full	14.1	15.19	/	Pass

5G NR N2 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	17.92	19.04	/	Pass
CP-OFDM QPSK		Outer_Full	18.95	20.07	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.89	19.13	/	Pass
CP-OFDM QPSK		Outer_Full	18.93	20.03	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.9	18.83	/	Pass
CP-OFDM QPSK		Outer_Full	18.89	19.94	/	Pass

Test Graph

N2-5M-OBW-L-DFT-s-OFDM-Pi2 BPSK



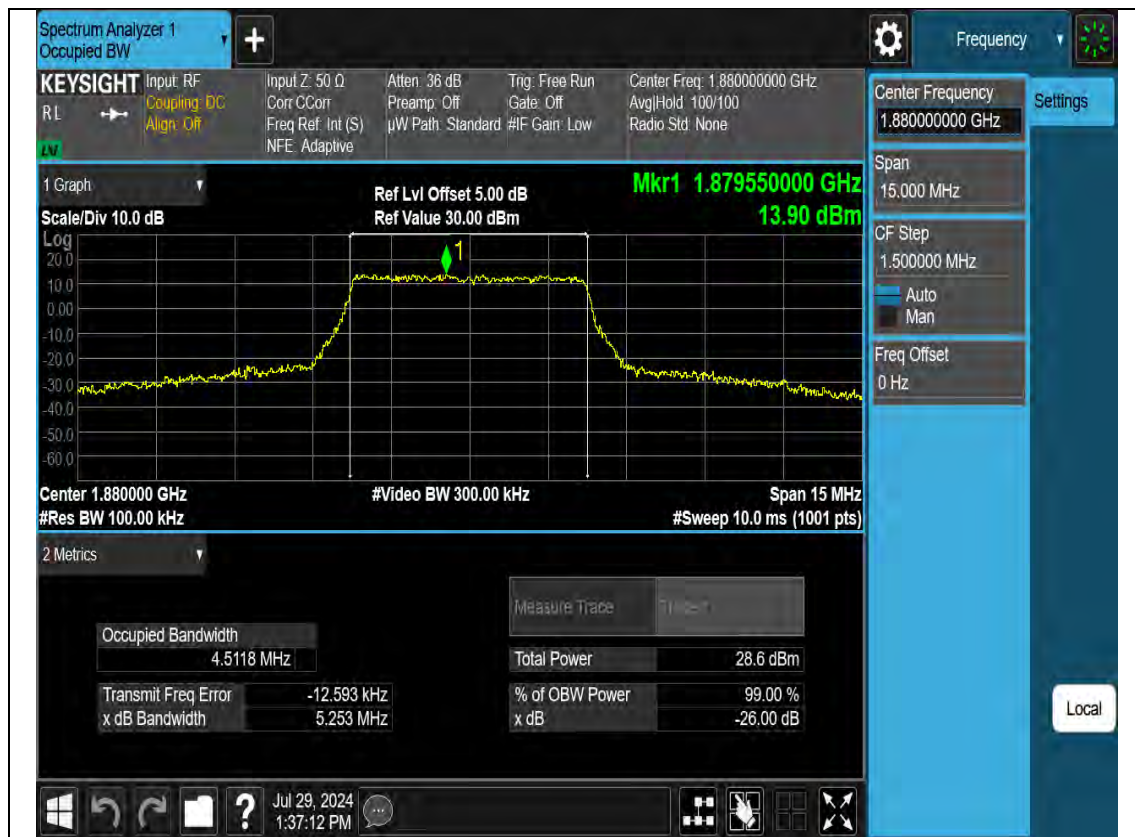
N2-5M-OBW-L-CP-OFDM-QPSK



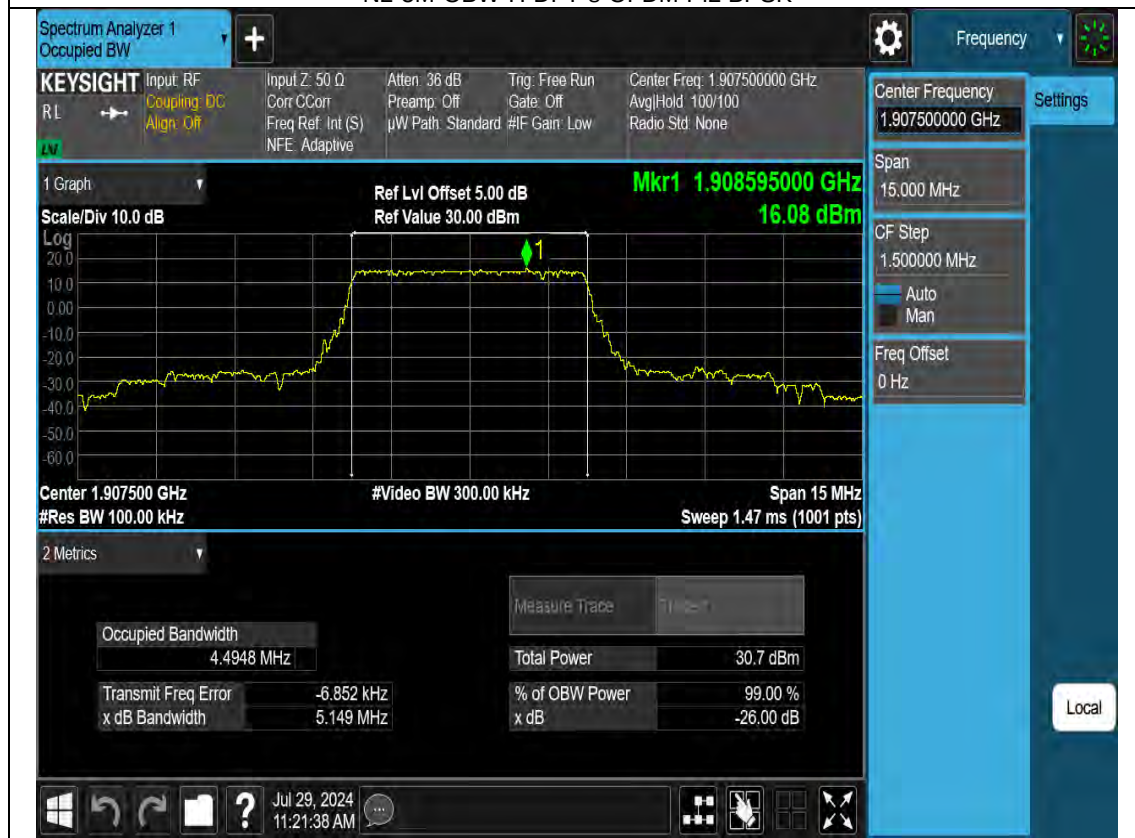
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N2-5M-OBW-M-CP-OFDM-QPSK



N2-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N2-5M-OBW-H-CP-OFDM-QPSK



N2-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N2-10M-OBW-L-CP-OFDM-QPSK



N2-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N2-10M-OBW-M-CP-OFDM-QPSK



N2-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N2-10M-OBW-H-CP-OFDM-QPSK



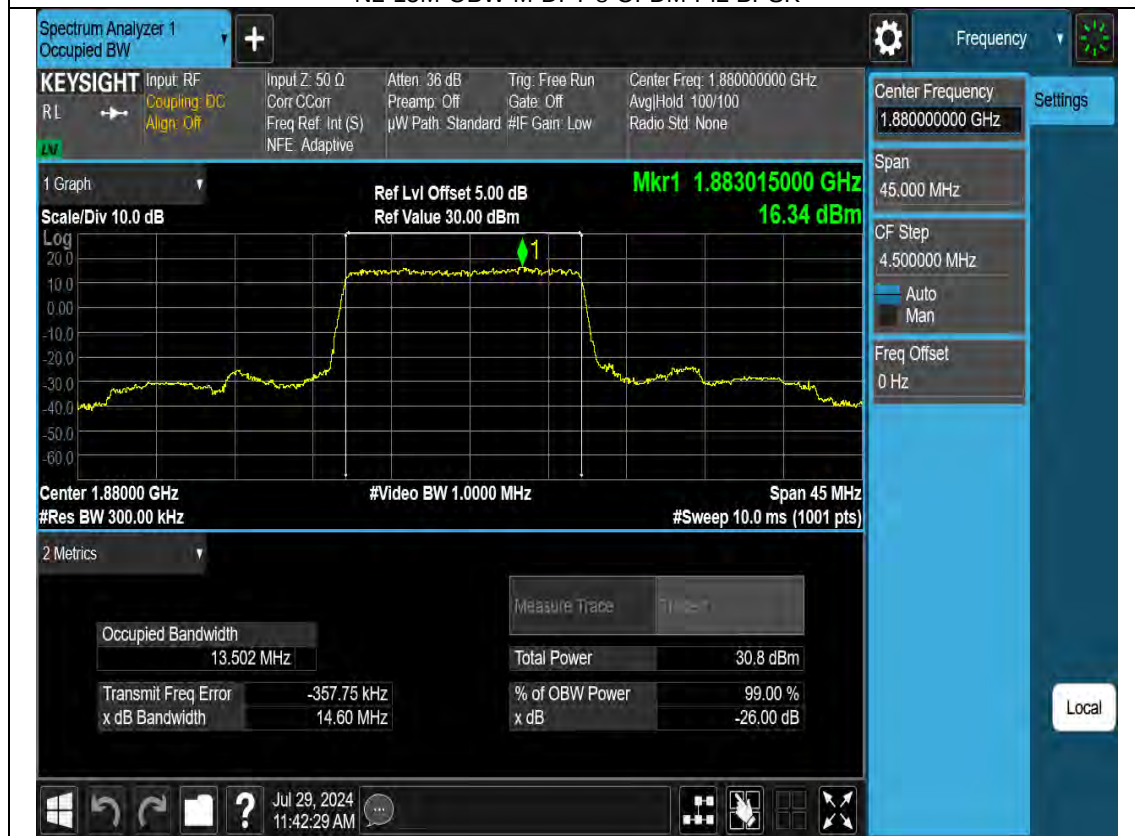
N2-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N2-15M-OBW-L-CP-OFDM-QPSK



N2-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N2-15M-OBW-M-CP-OFDM-QPSK



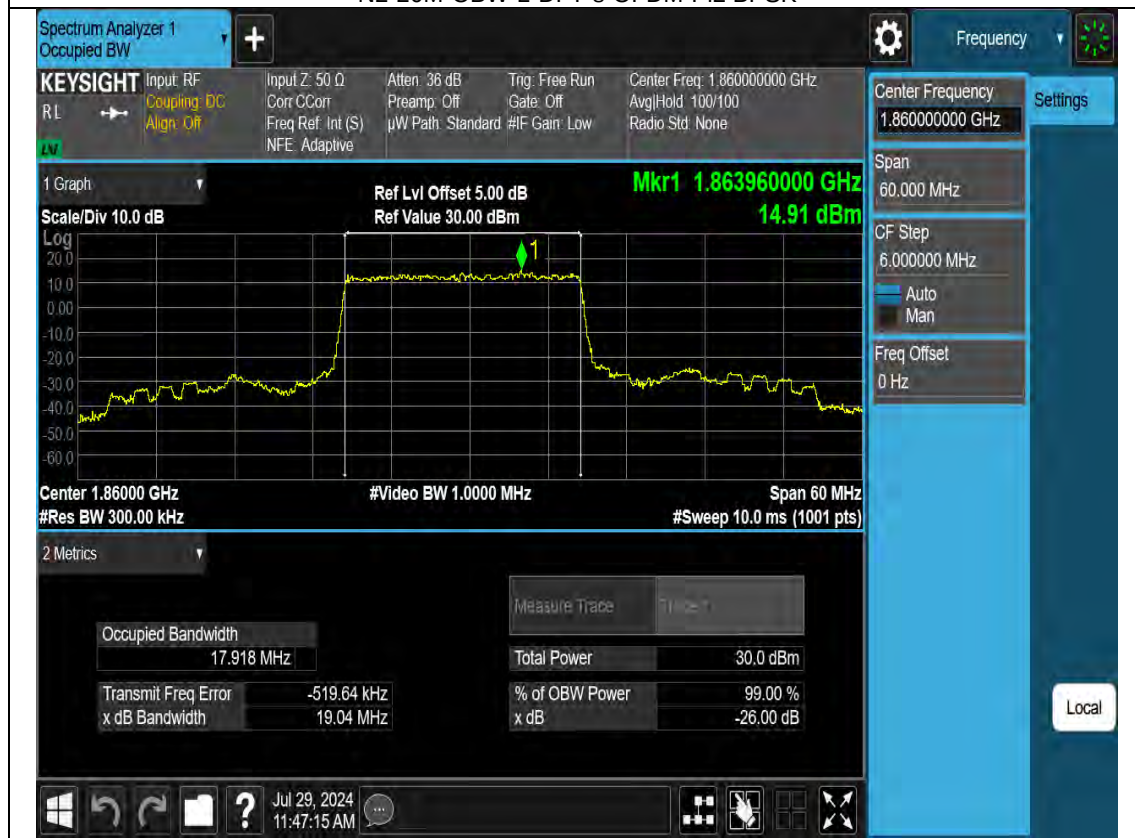
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N2-15M-OBW-H-CP-OFDM-QPSK



N2-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N2-20M-OBW-L-CP-OFDM-QPSK



N2-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



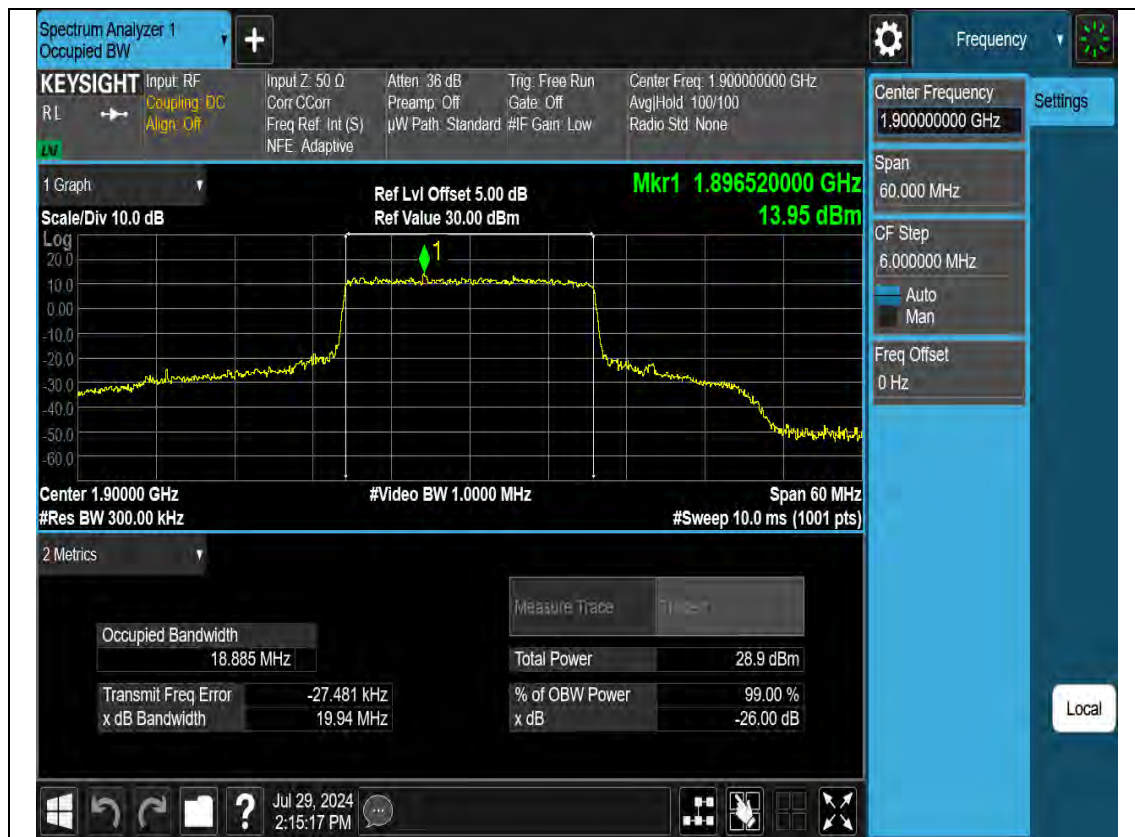
N2-20M-OBW-M-CP-OFDM-QPSK



N2-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N2-20M-OBW-H-CP-OFDM-QPSK



Peak-Average Ratio

Test Result

5G NR N2 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

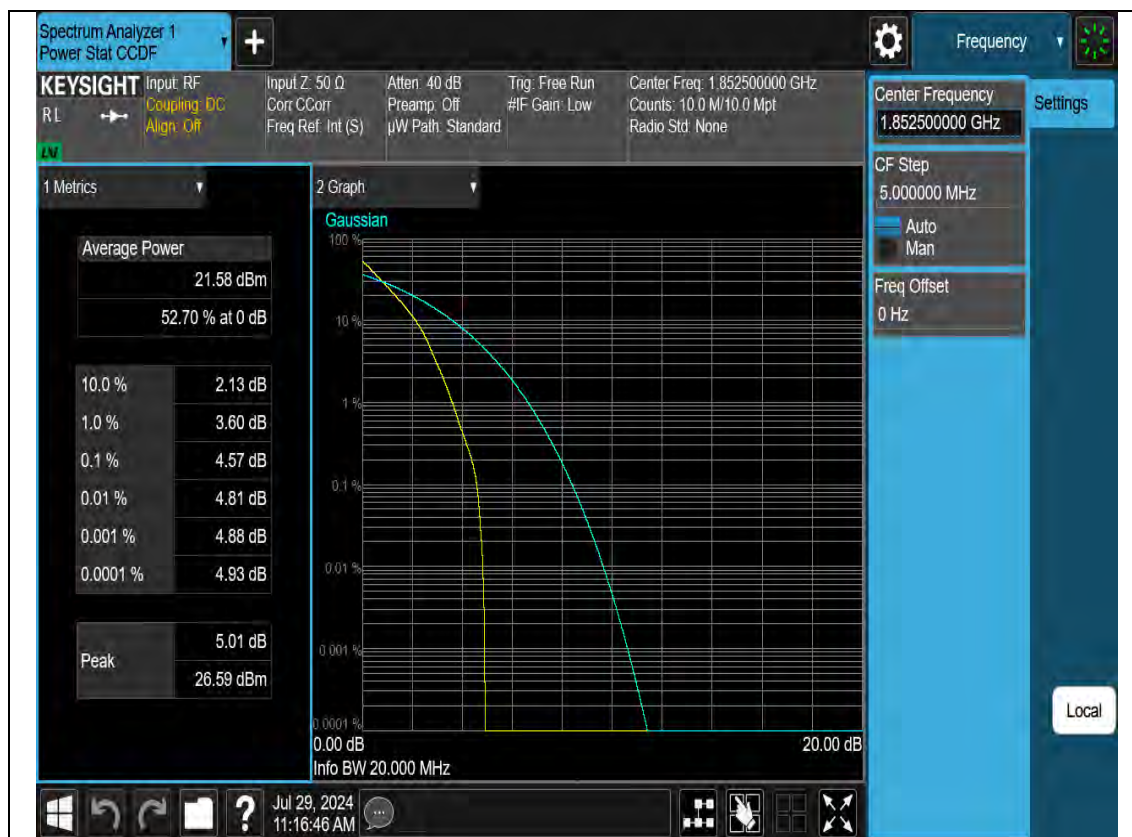
5G NR N2 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.56	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.46	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.46	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.1	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.37	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.84	<=13	Pass

5G NR N2 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

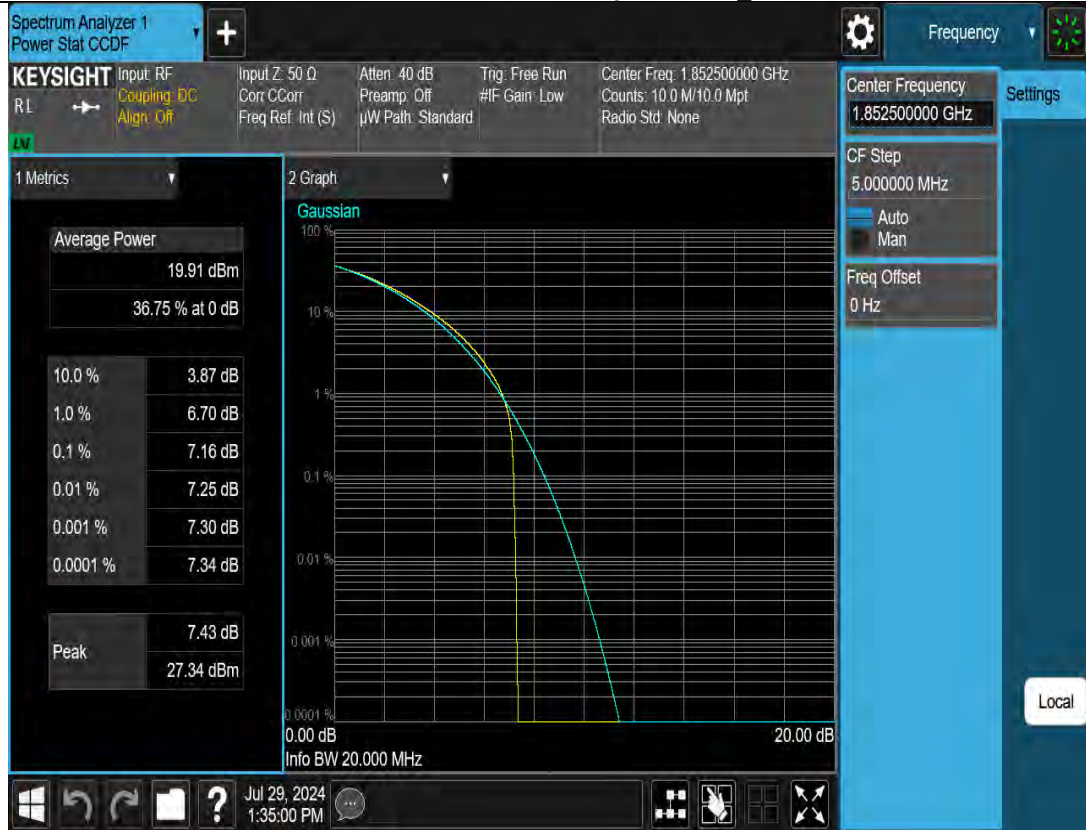
5G NR N2 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.43	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.59	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.08	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.62	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.42	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.53	<=13	Pass

Test Graph

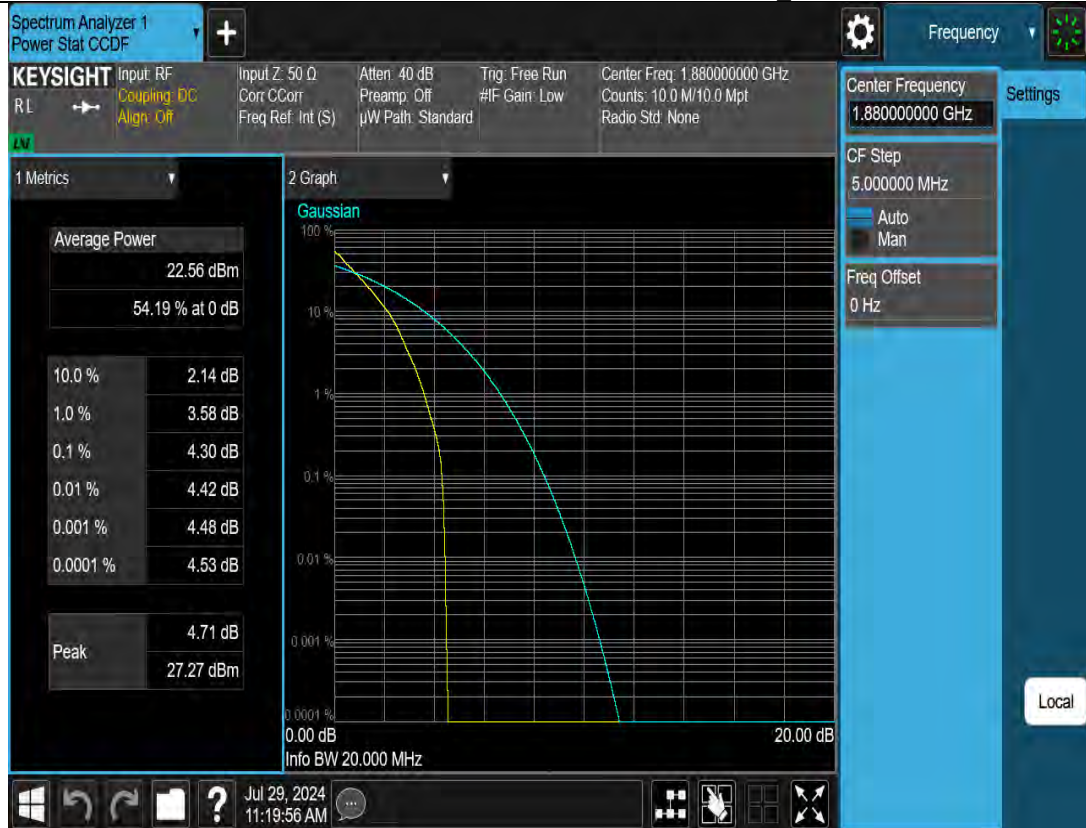
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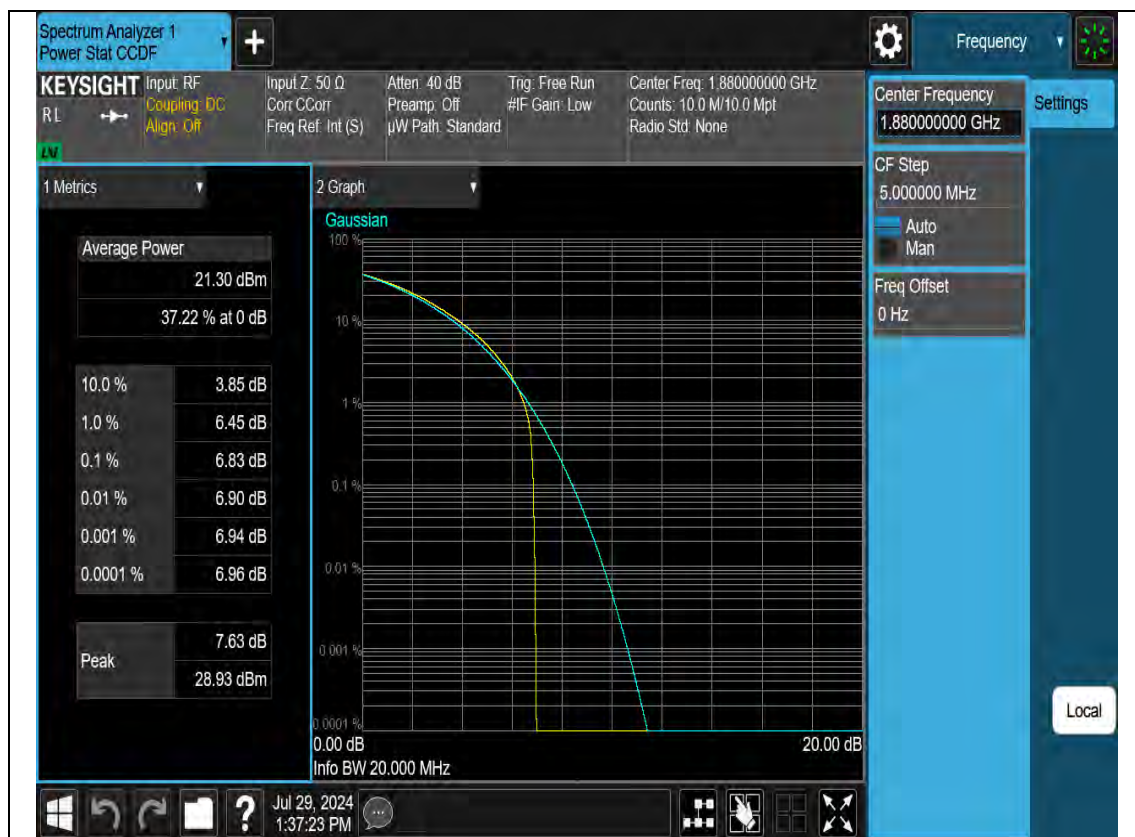
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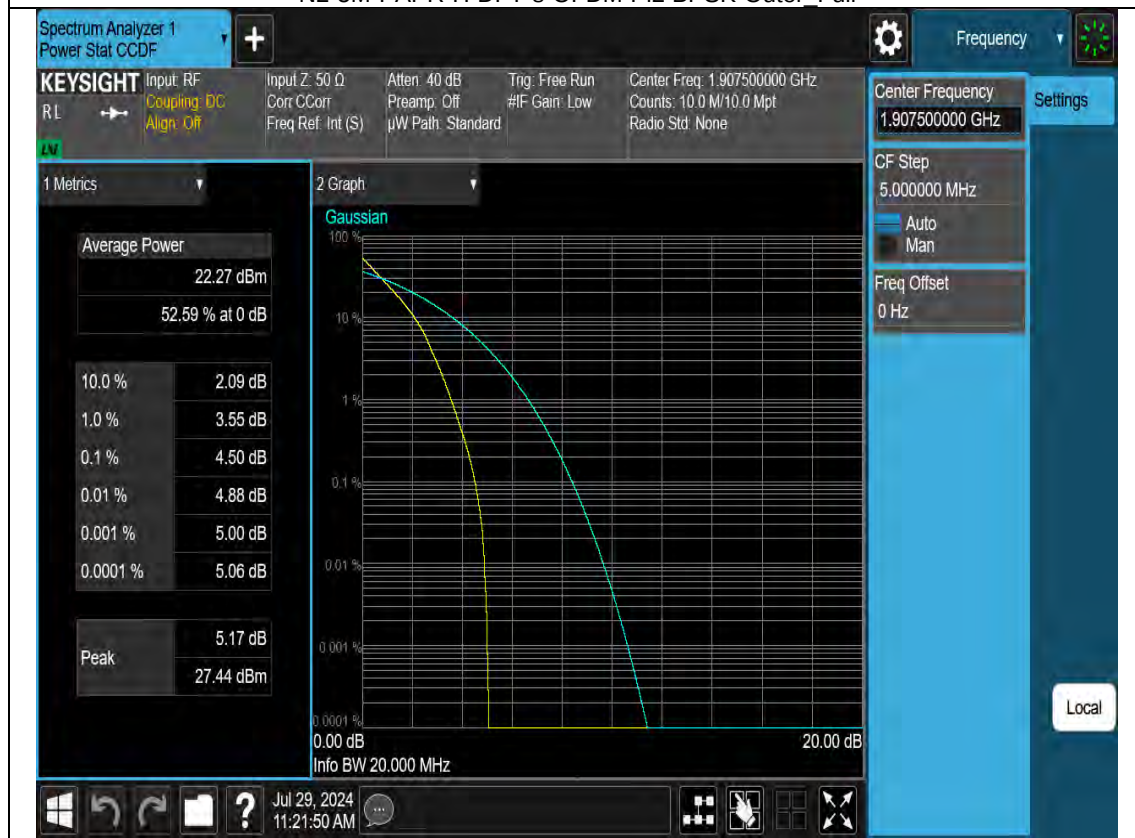
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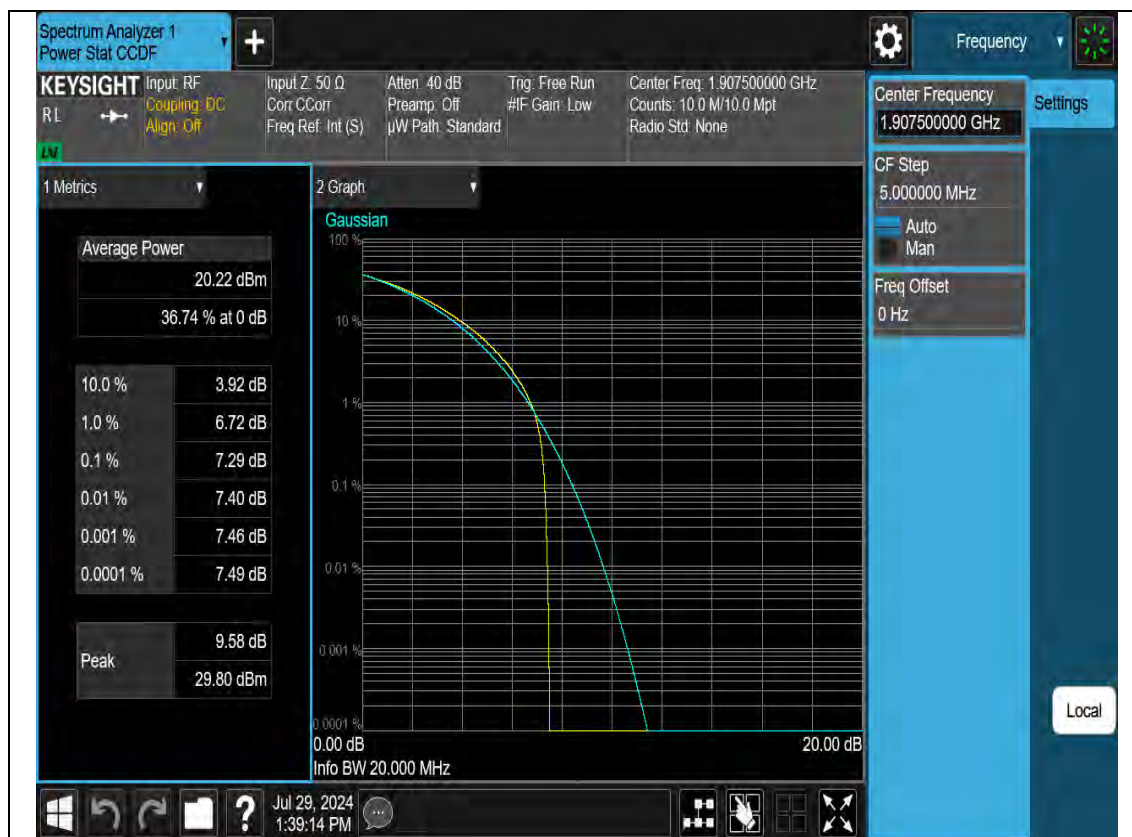
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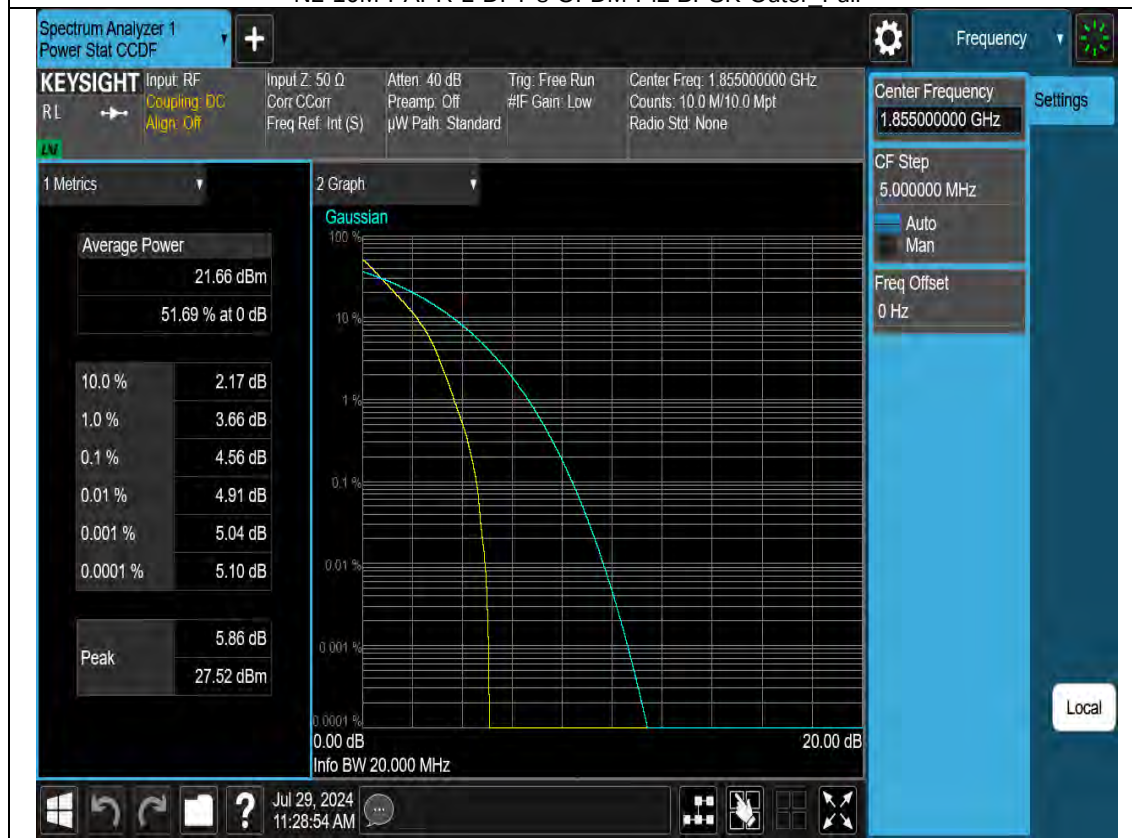
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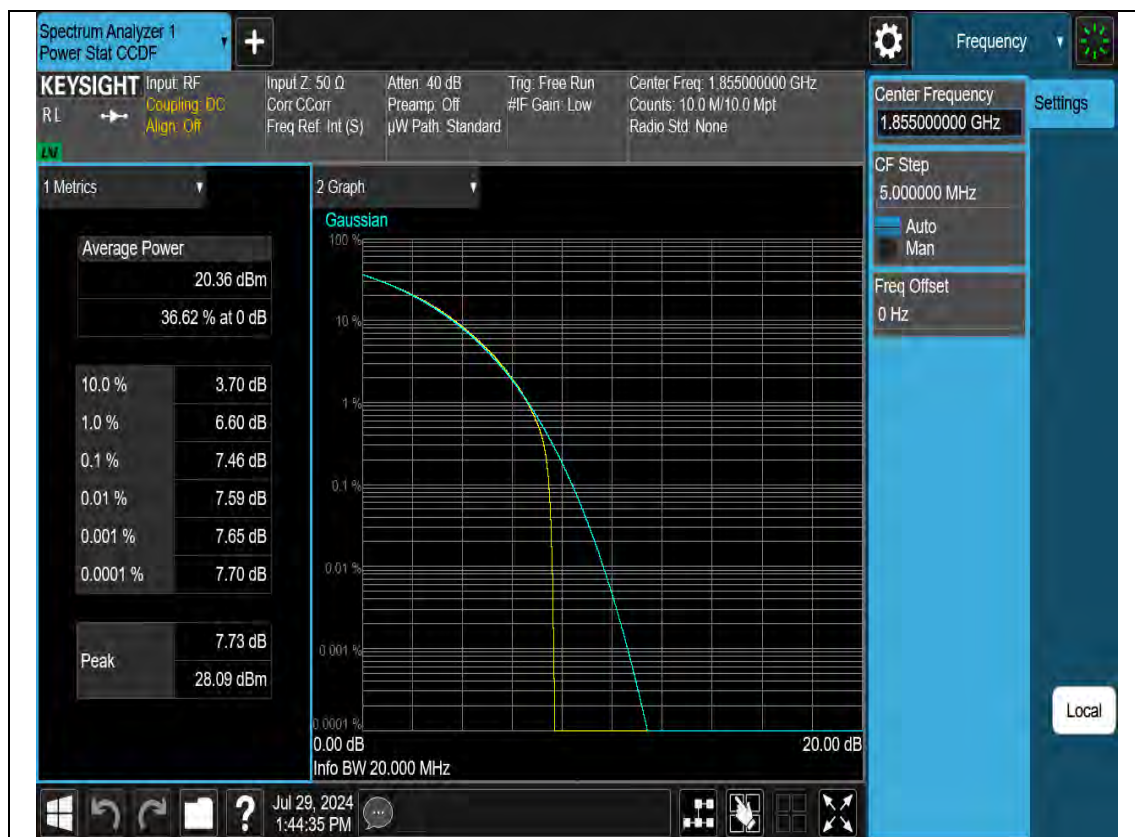
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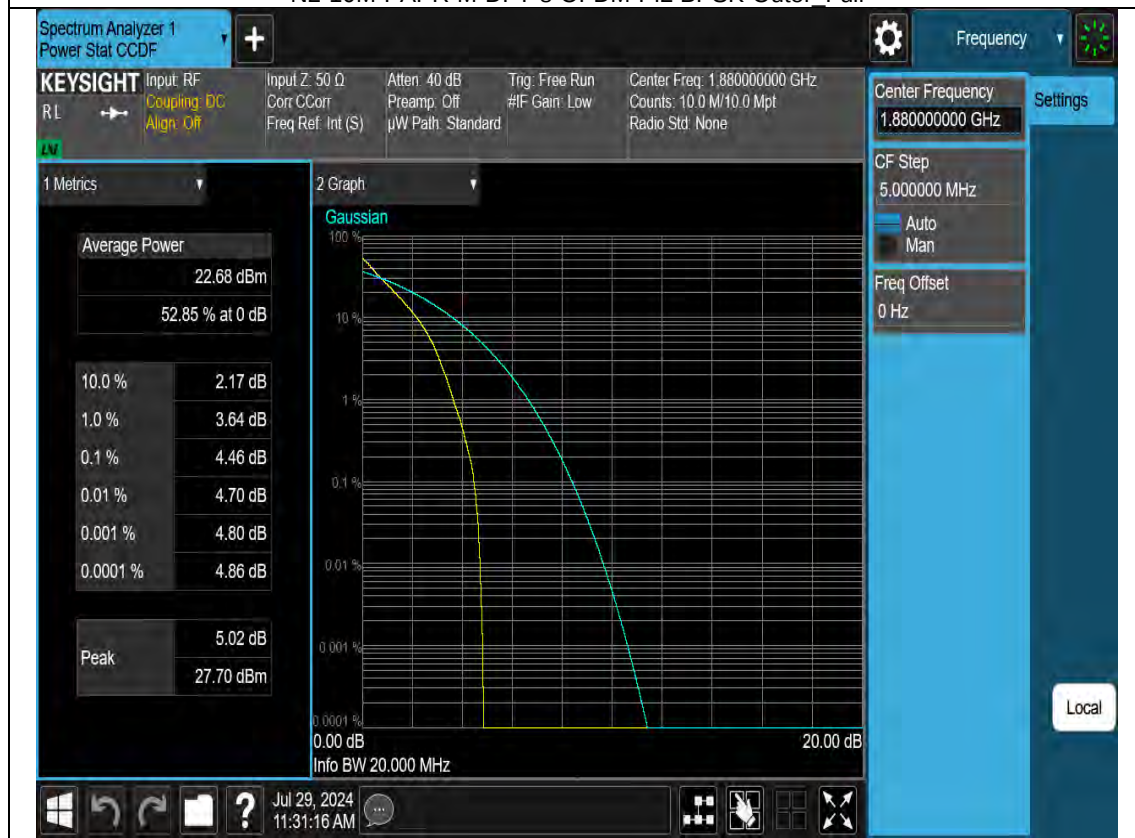
N2-10M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-10M-PAPR-L-CP-OFDM-QPSK-Outer Full



N2-10M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer Full



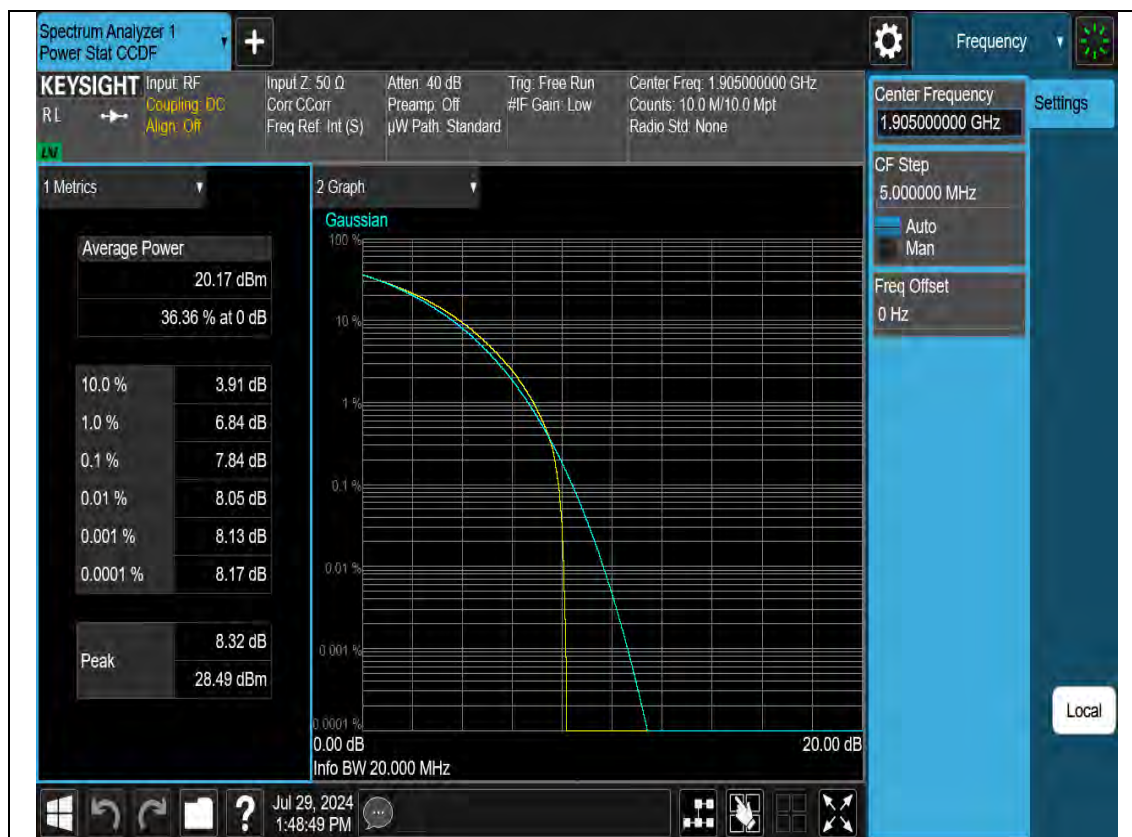
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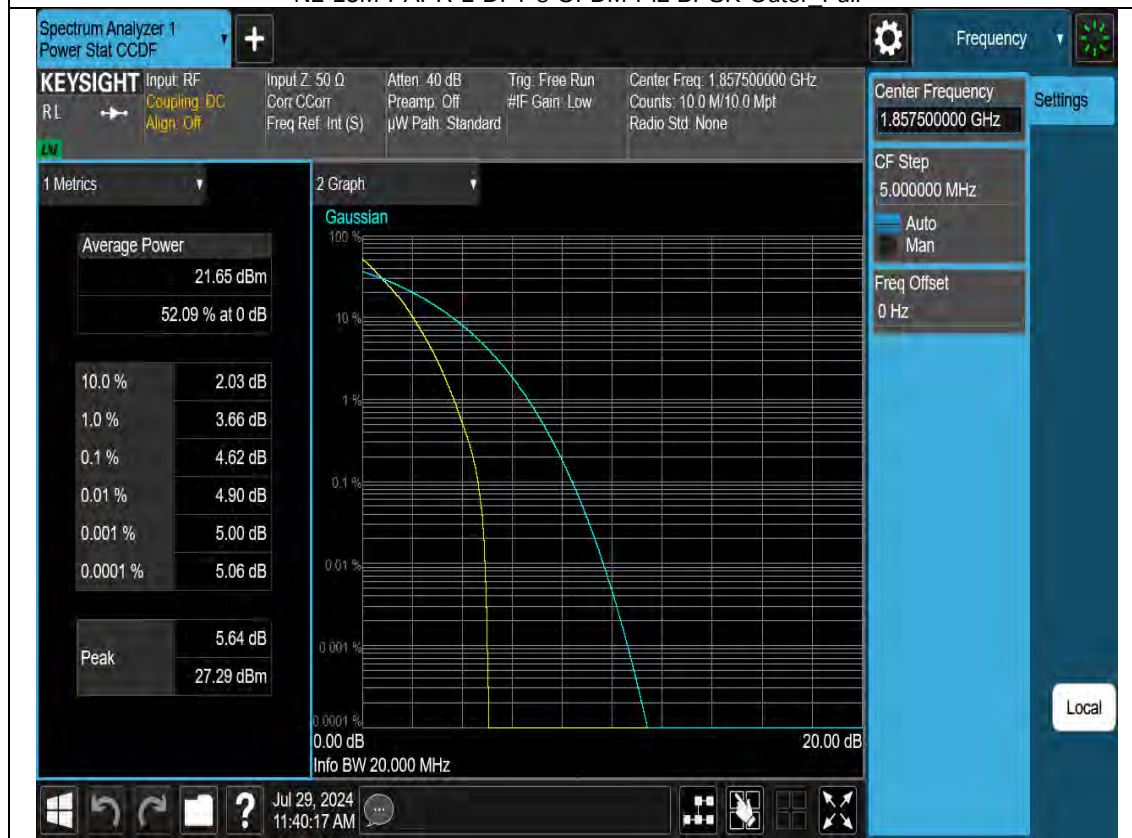
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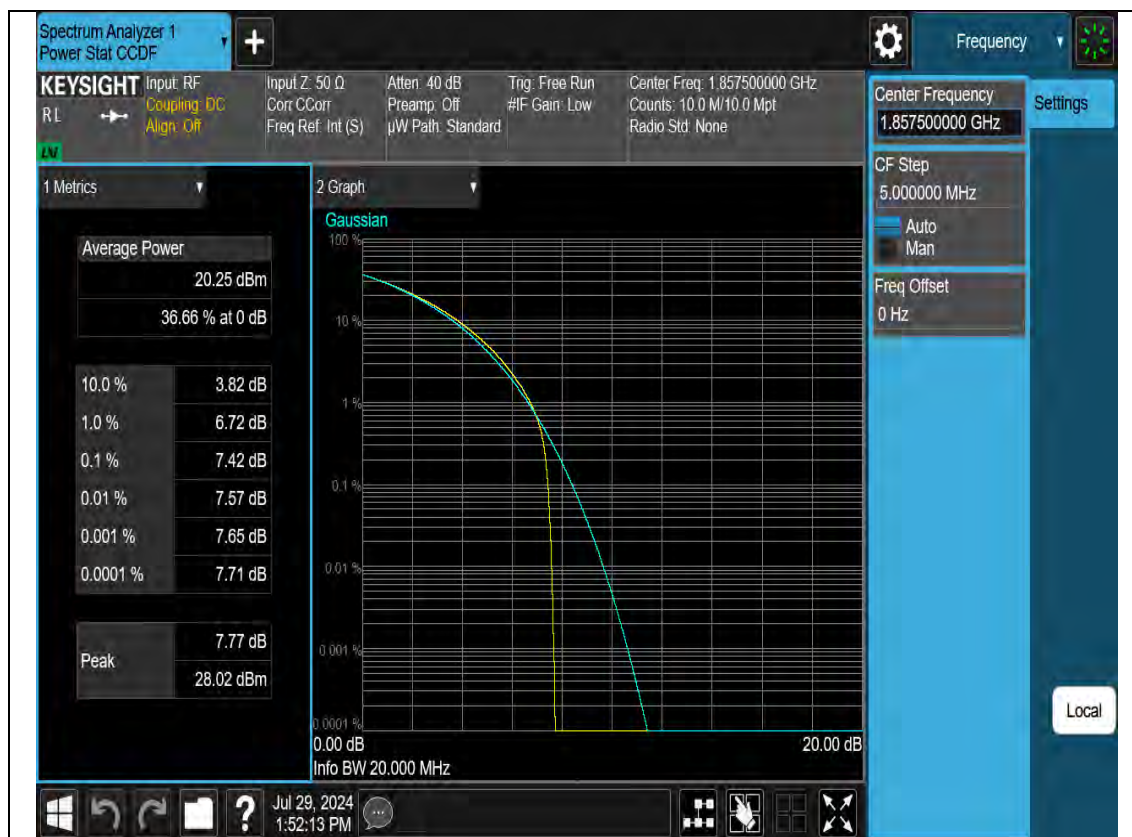
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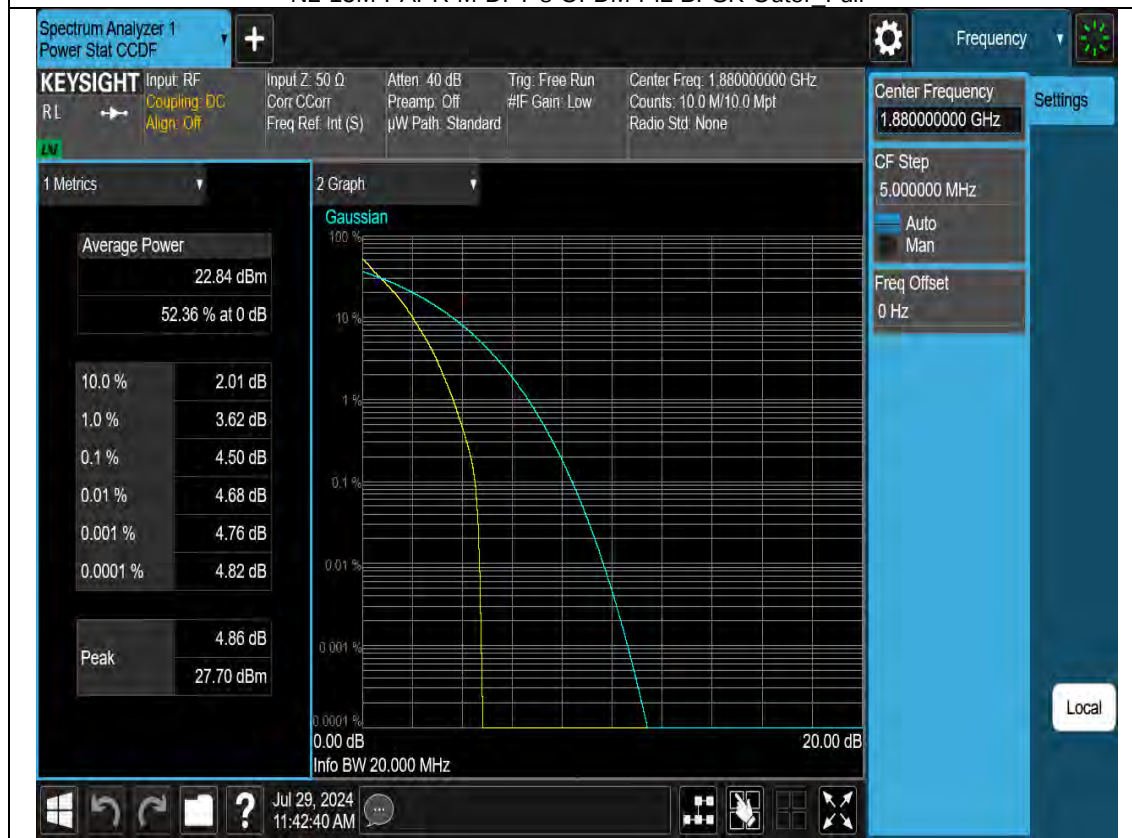
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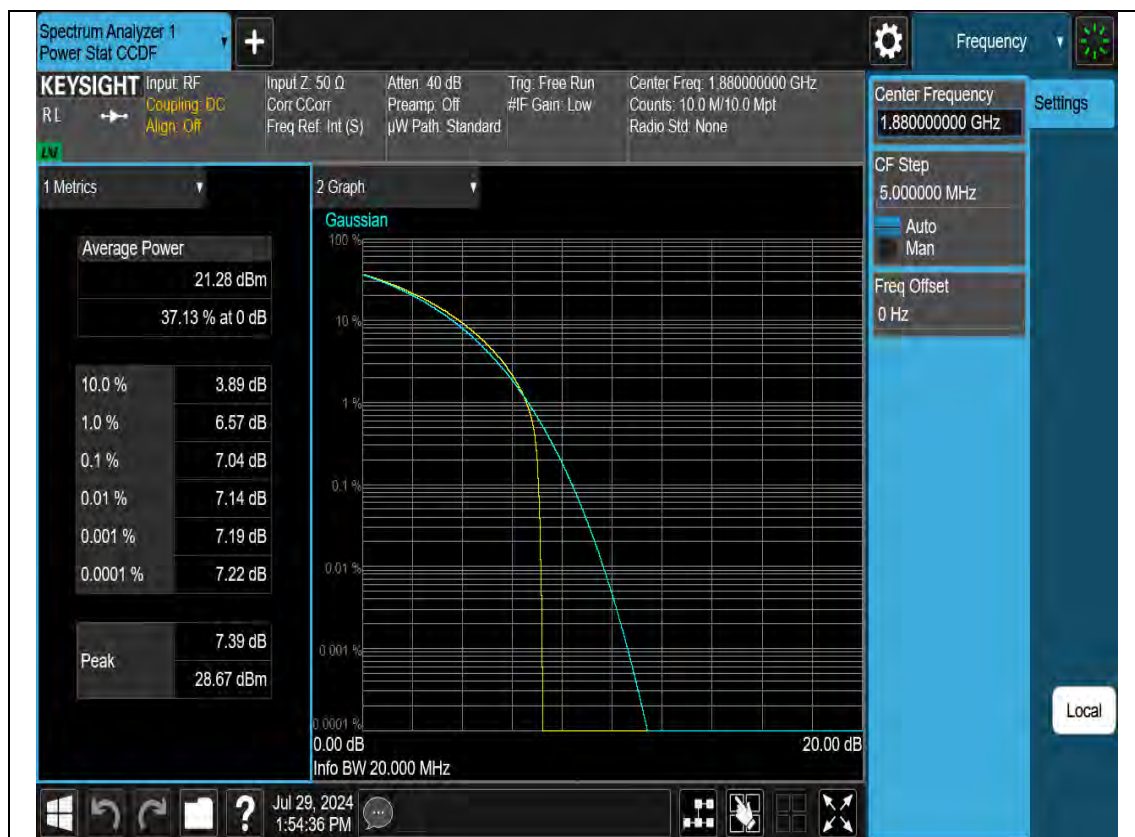
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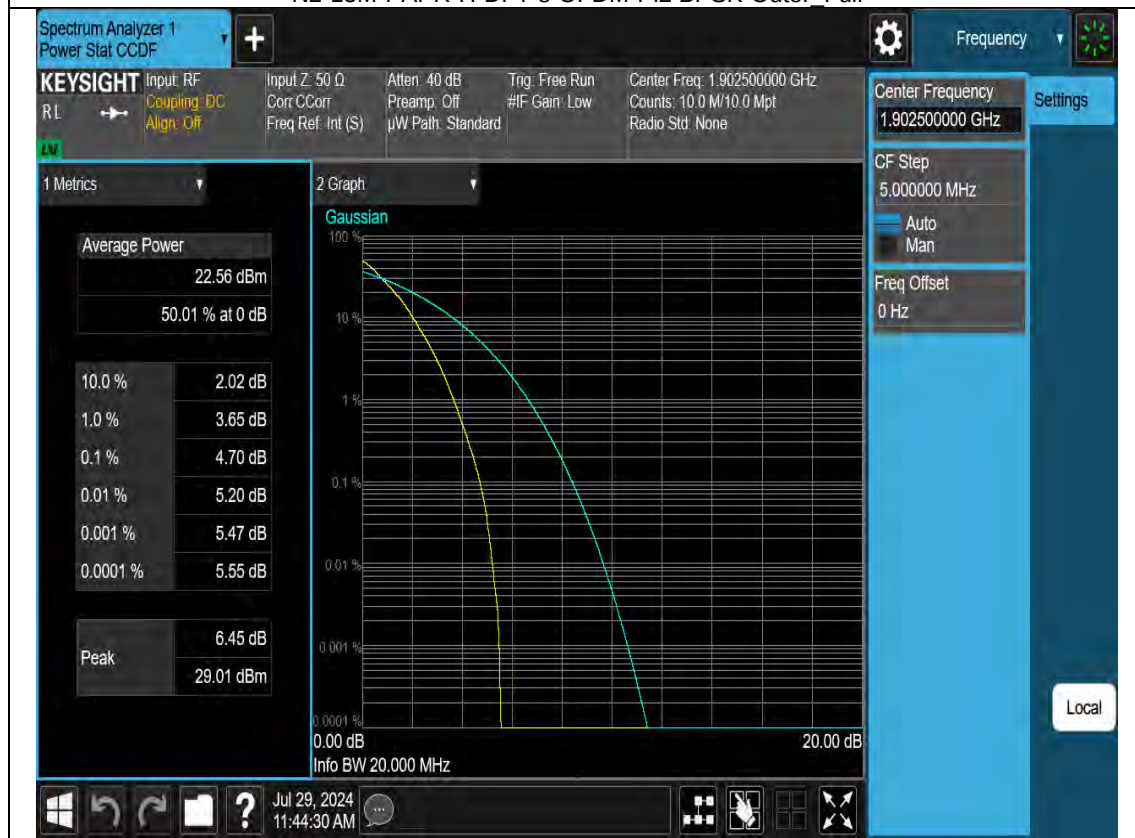
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N2-15M-PAPR-M-CP-OFDM-QPSK-Outer Full



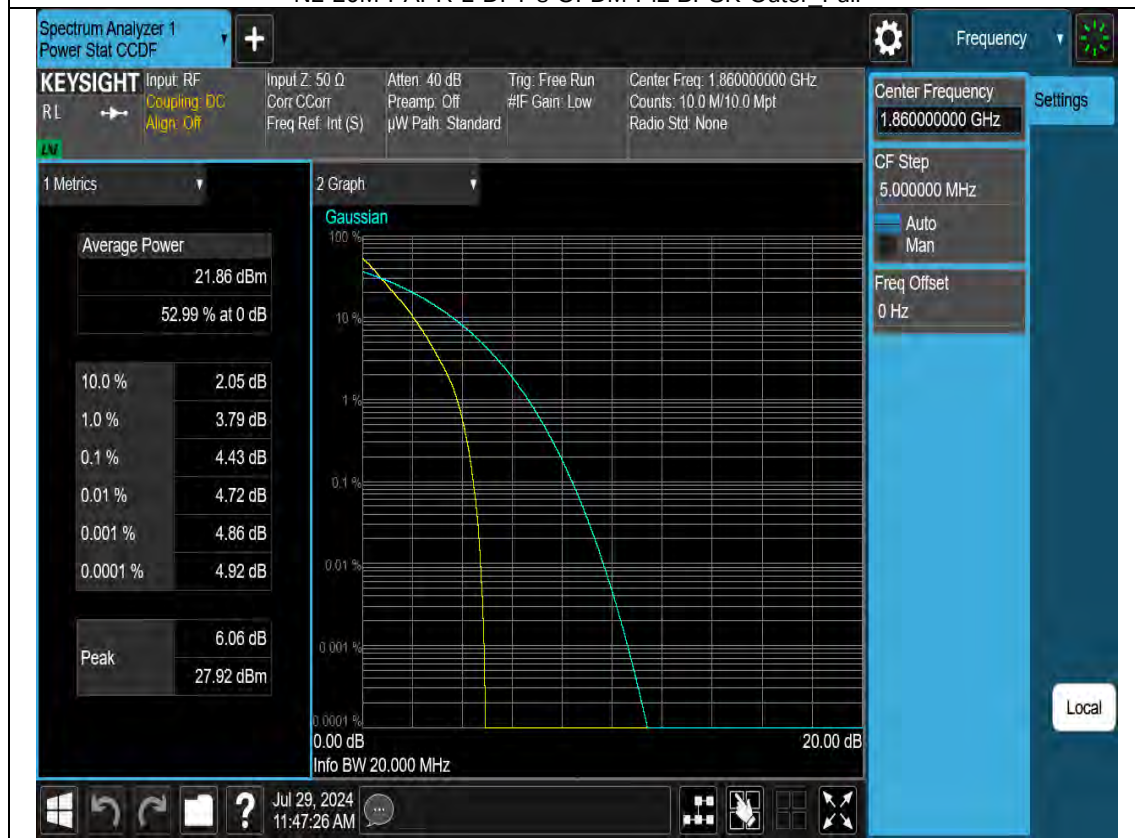
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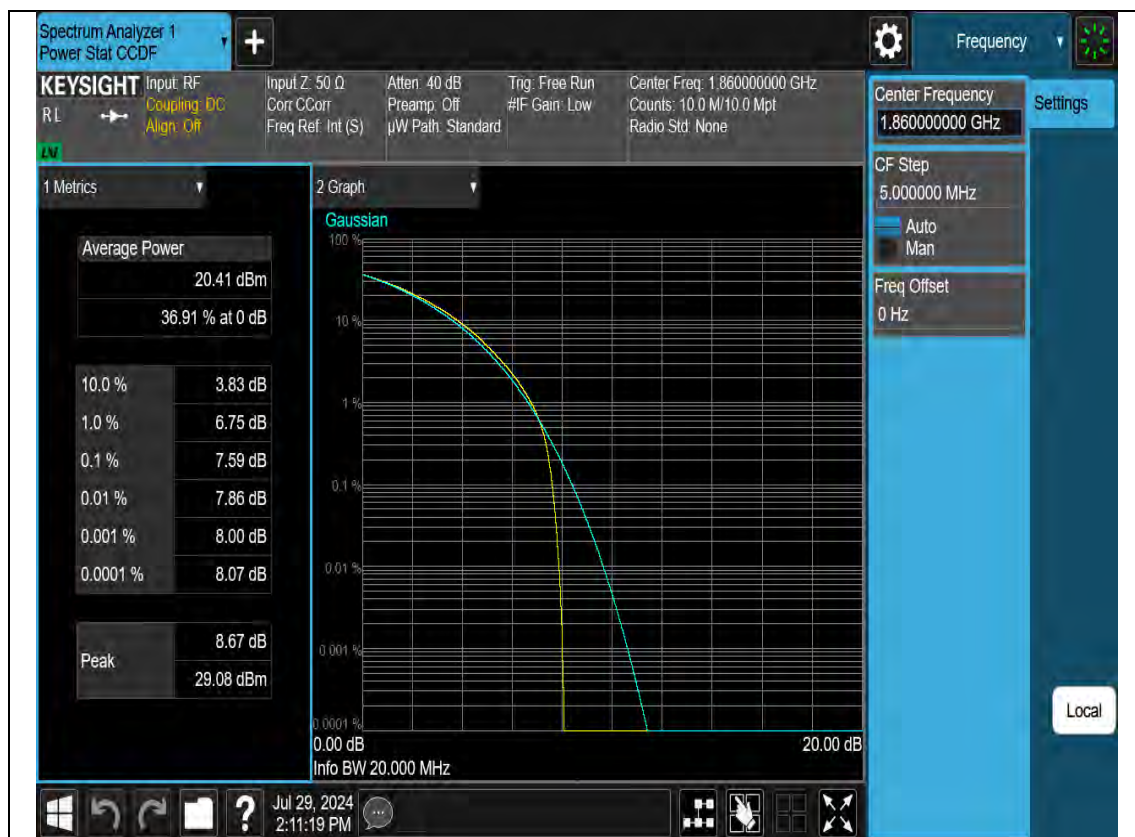
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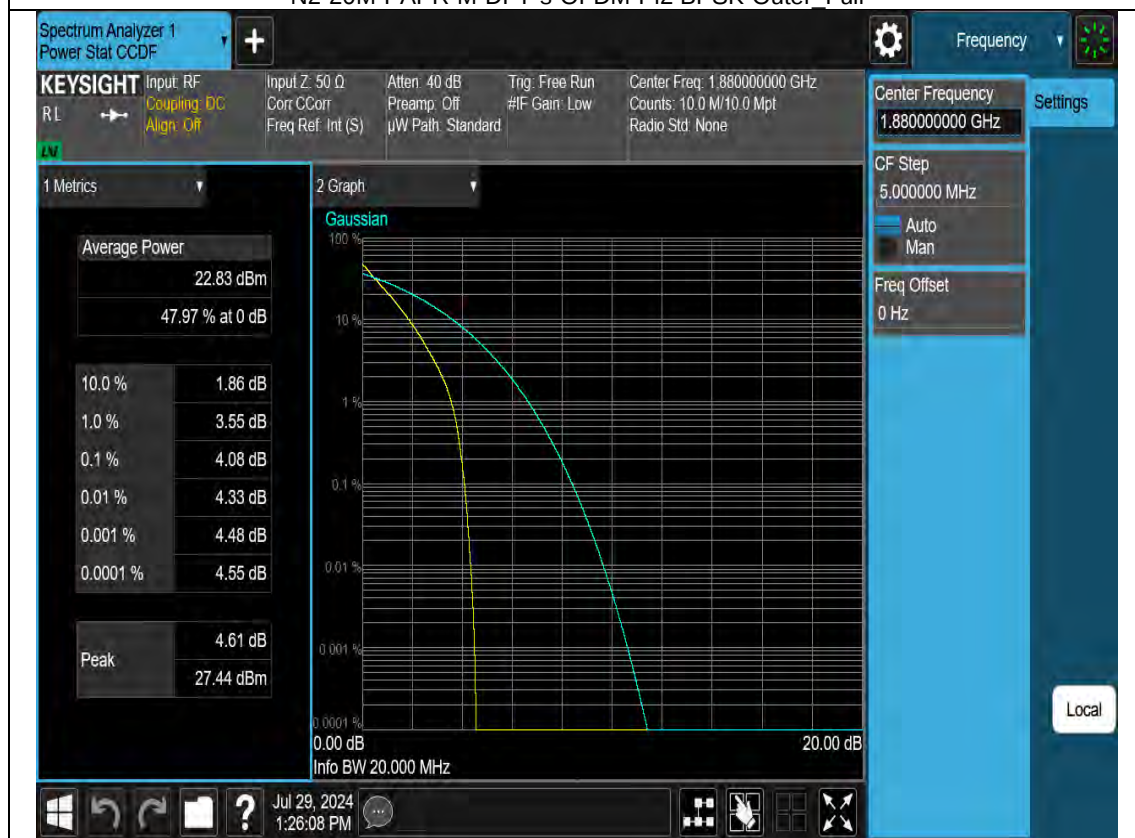
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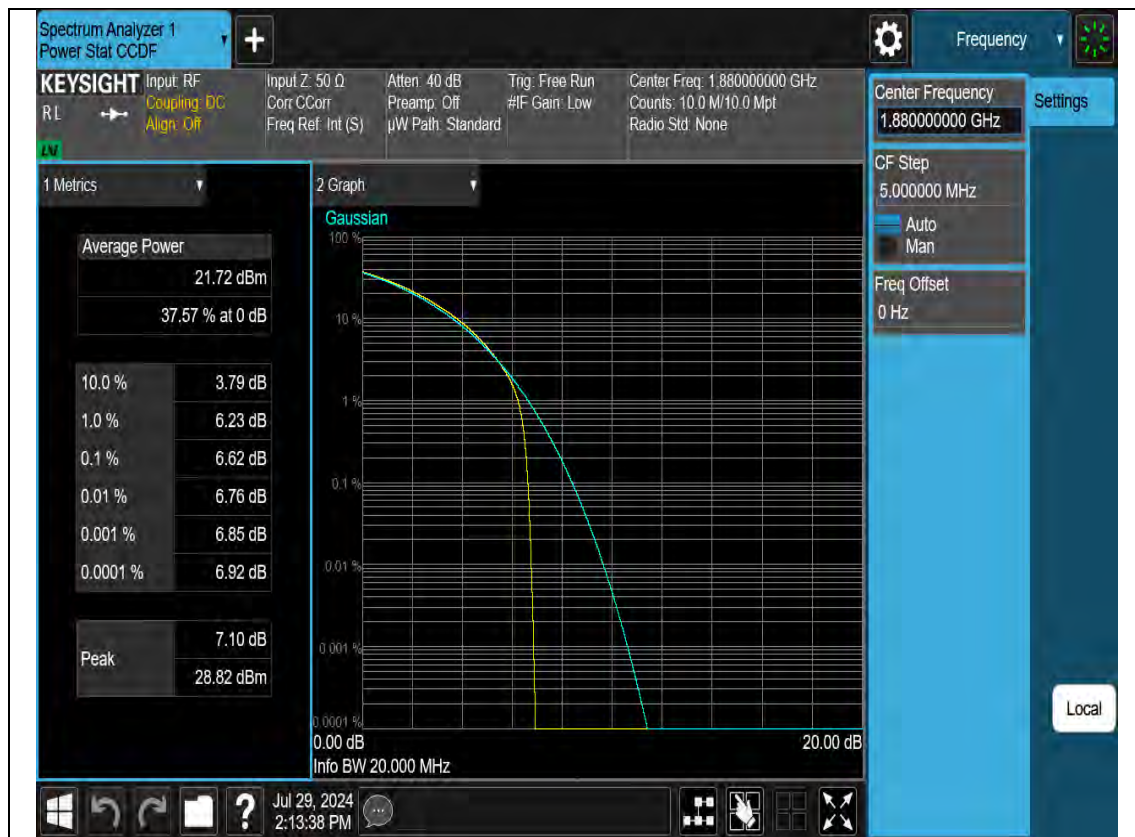
N2-20M-PAPR-L-CP-OFDM-QPSK-Outer Full



N2-20M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer Full



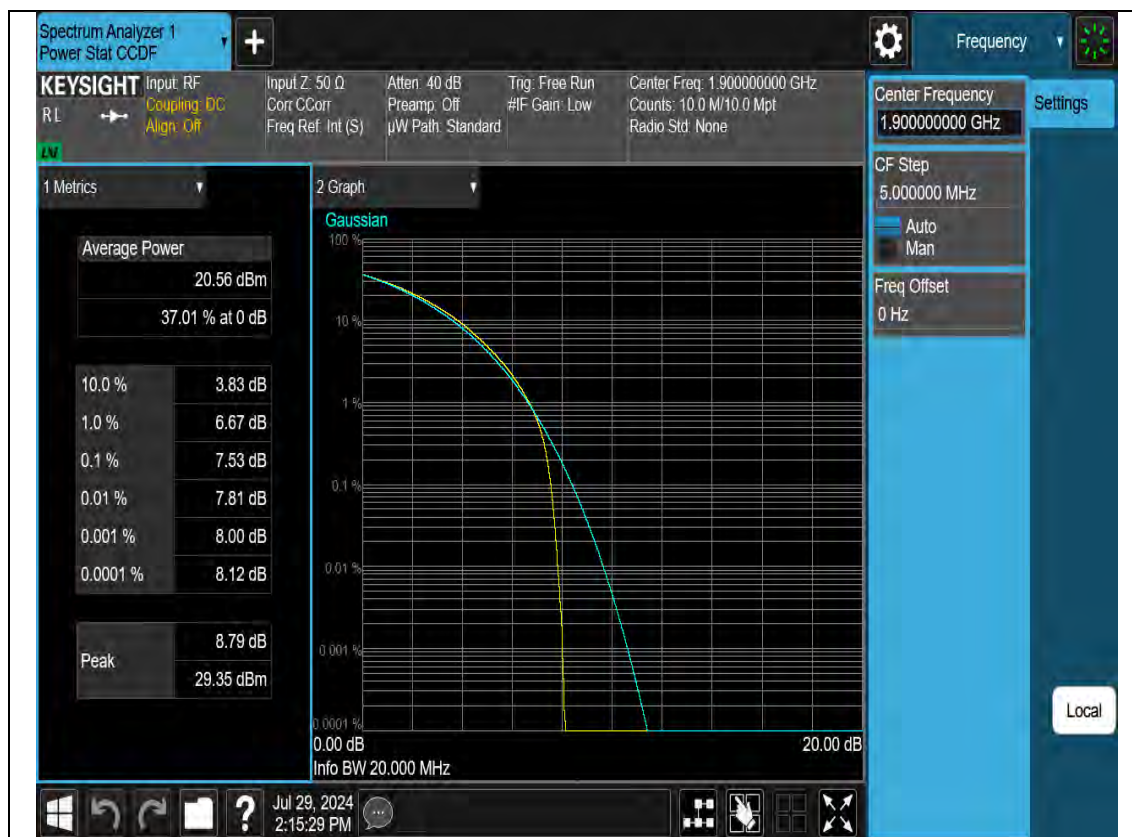
N2-20M-PAPR-M-CP-OFDM-QPSK-Outer Full



N2-20M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-20M-PAPR-H-CP-OFDM-QPSK-Outer Full



Bandedge

test graph



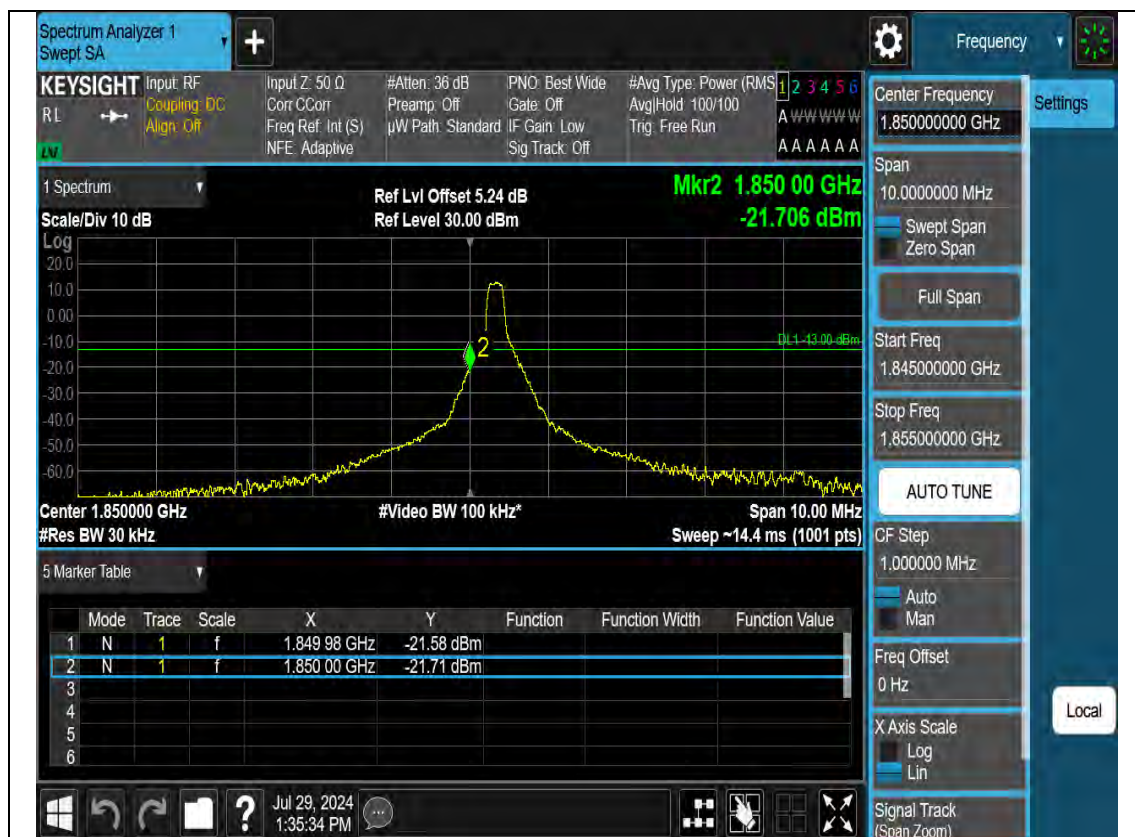
N2-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N2-5M-Bandedge-L-CP-OFDM-QPSK-Outer Full



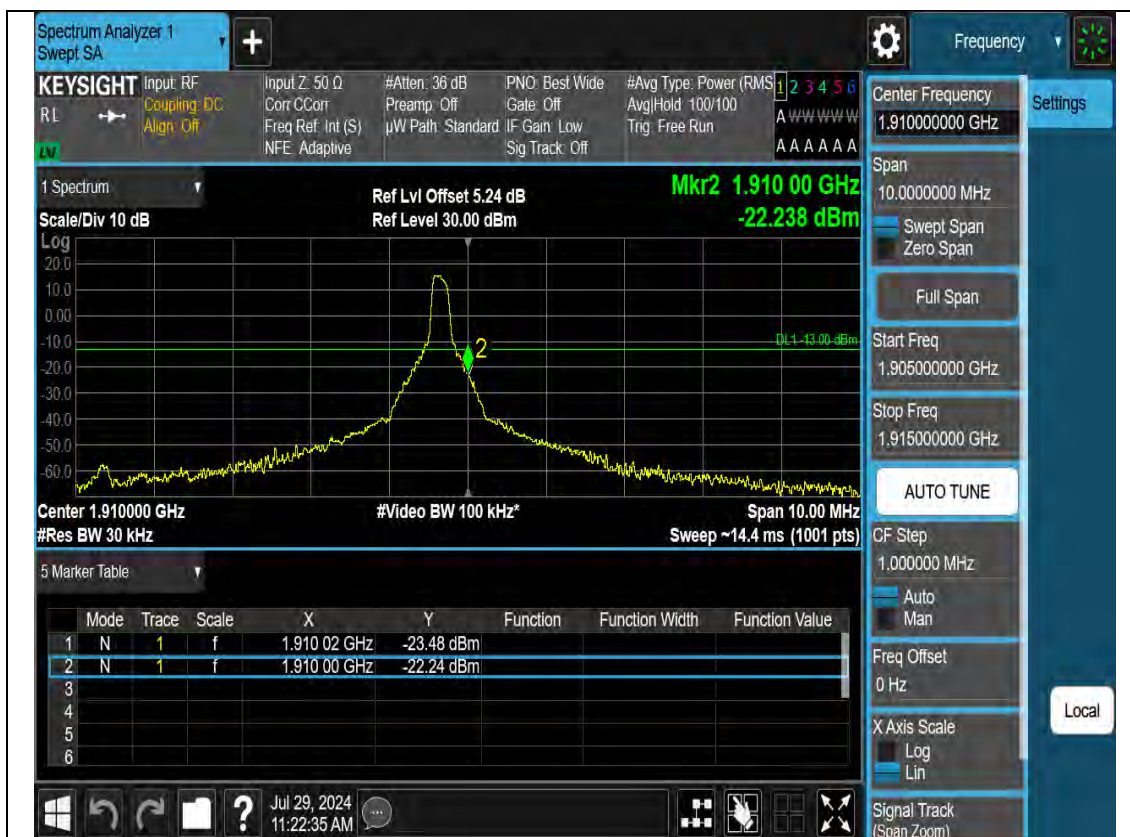
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N2-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N2-5M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N2-5M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N2-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



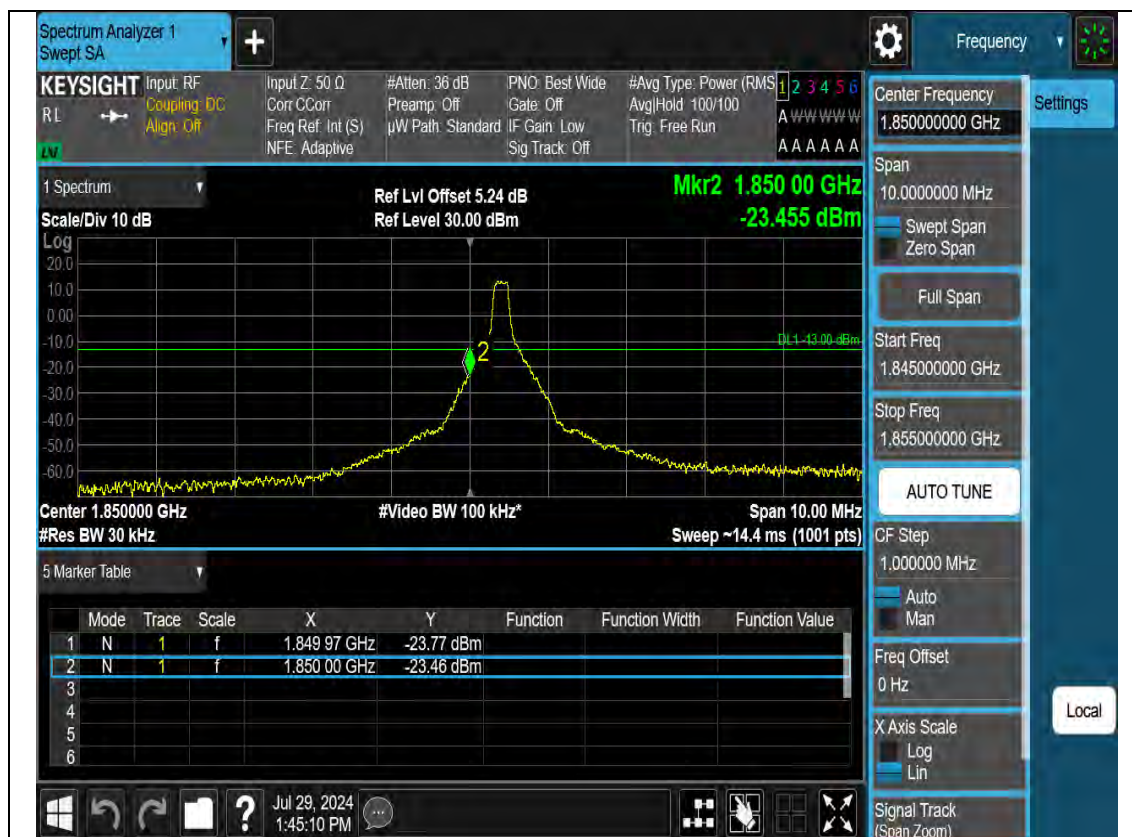
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N2-10M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



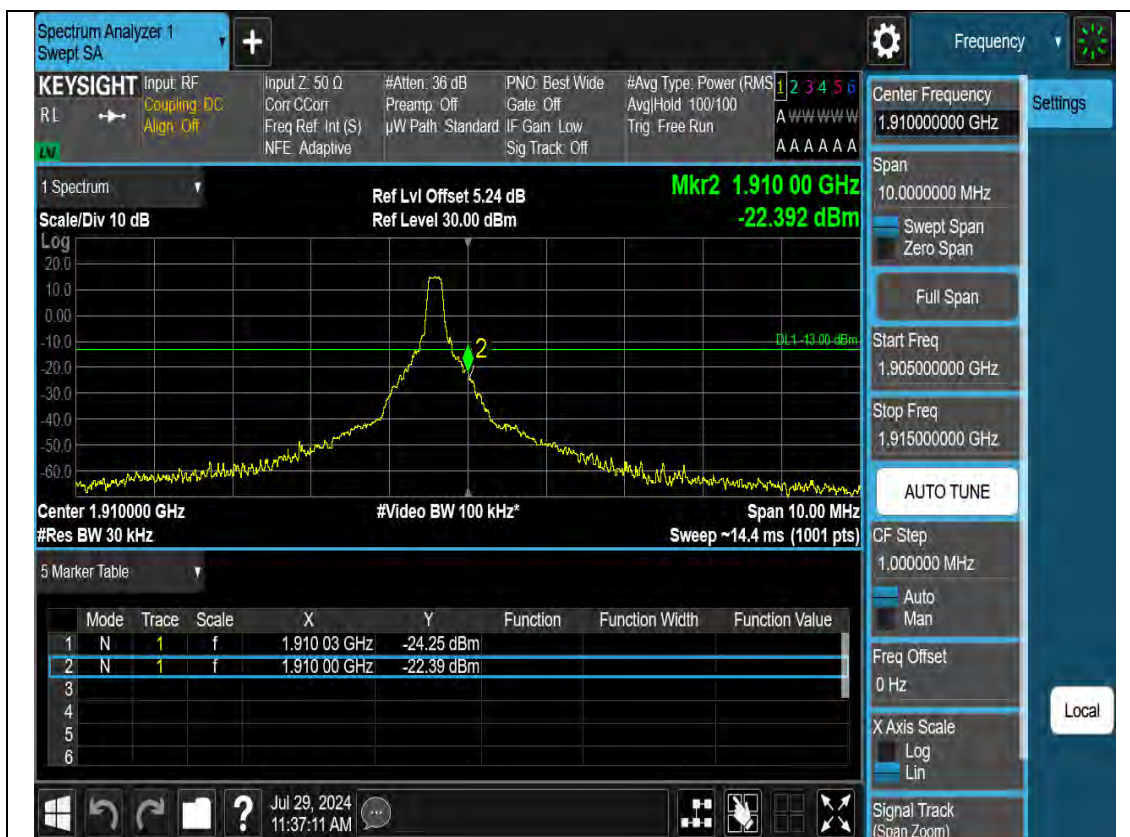
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N2-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



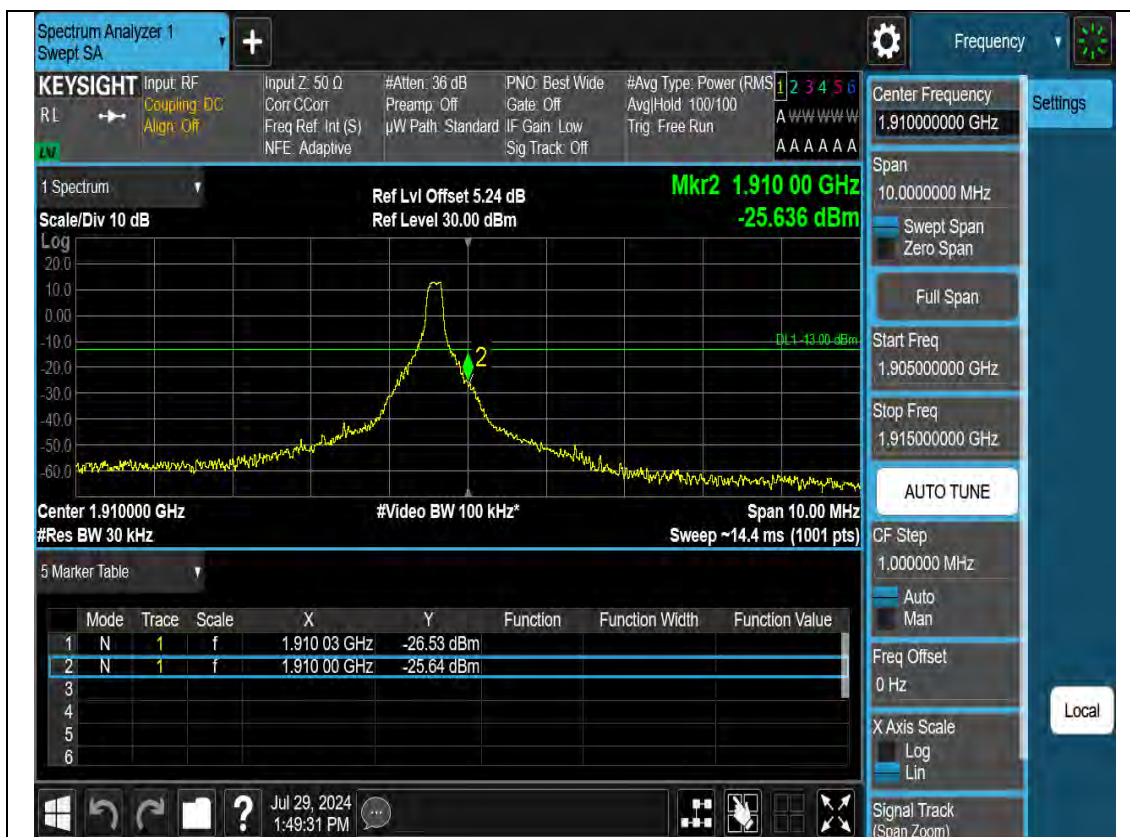
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N2-10M-Bandedge-H-CP-OFDM-QPSK-Outer Full



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N2-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



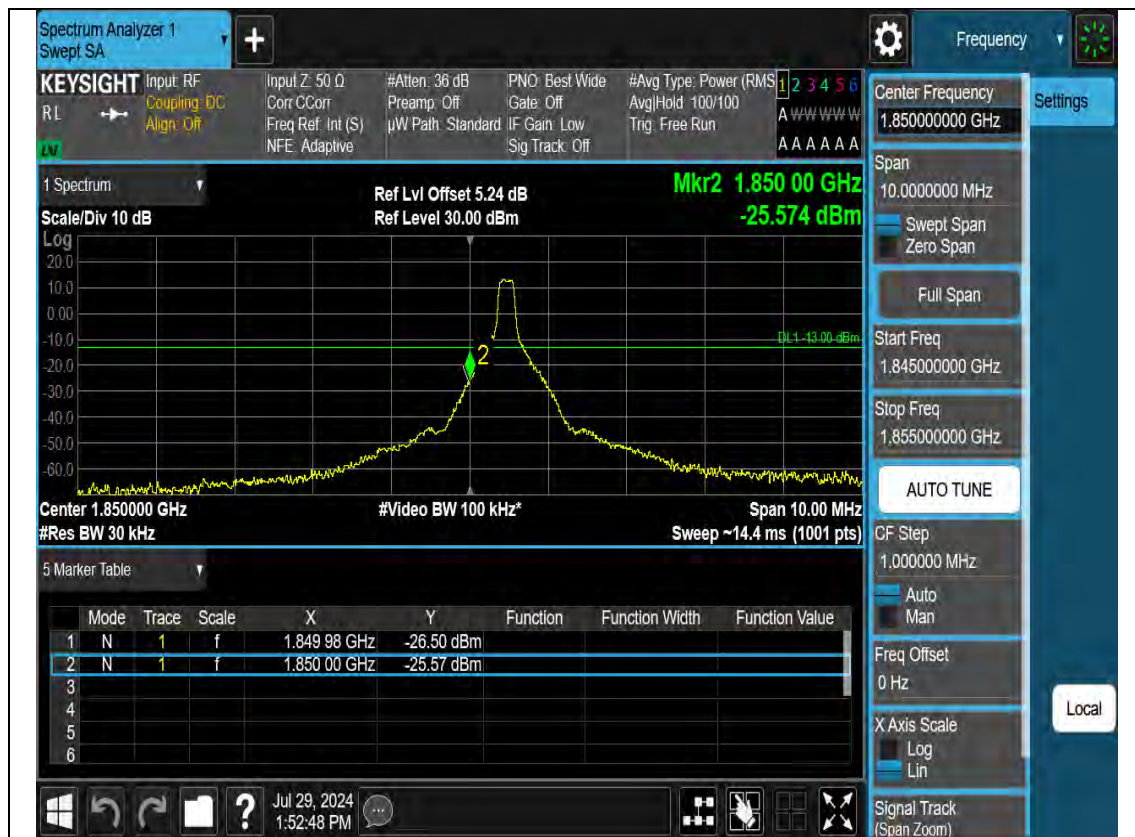
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N2-15M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N2-15M-Bandedge-L-CP-OFDM-QPSK-1RB0



N2-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



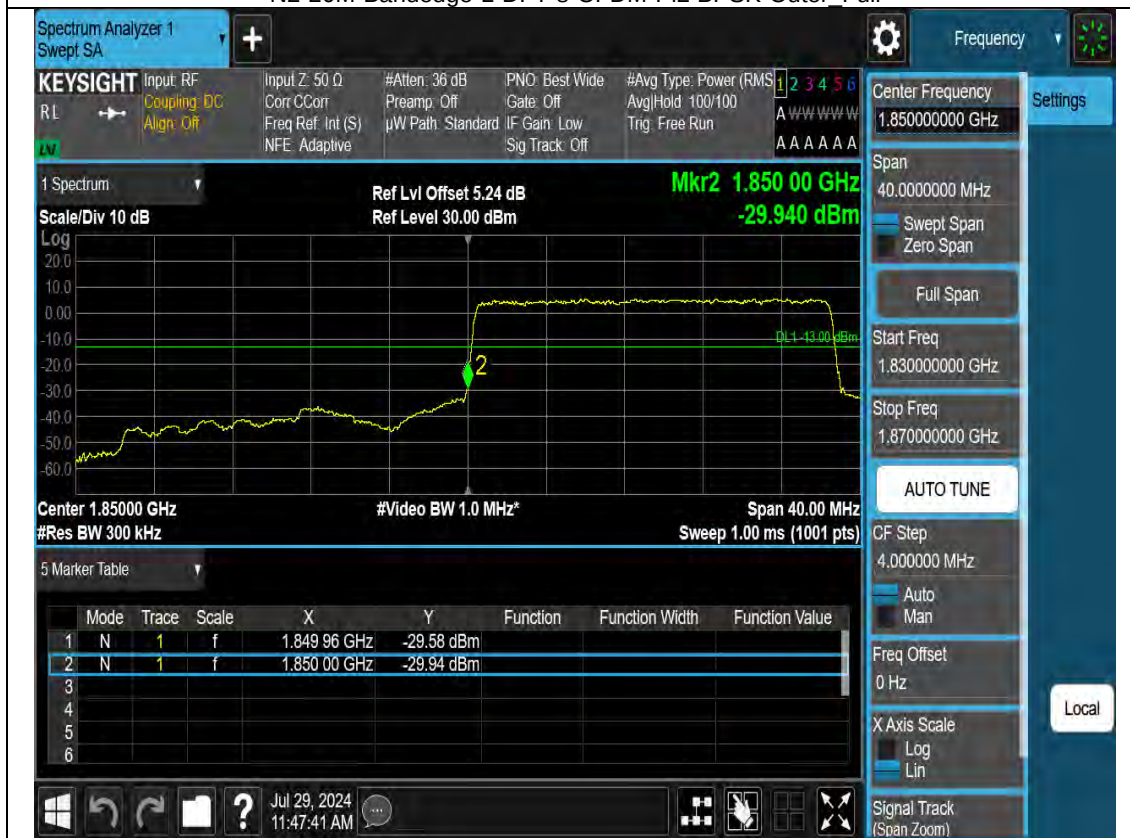
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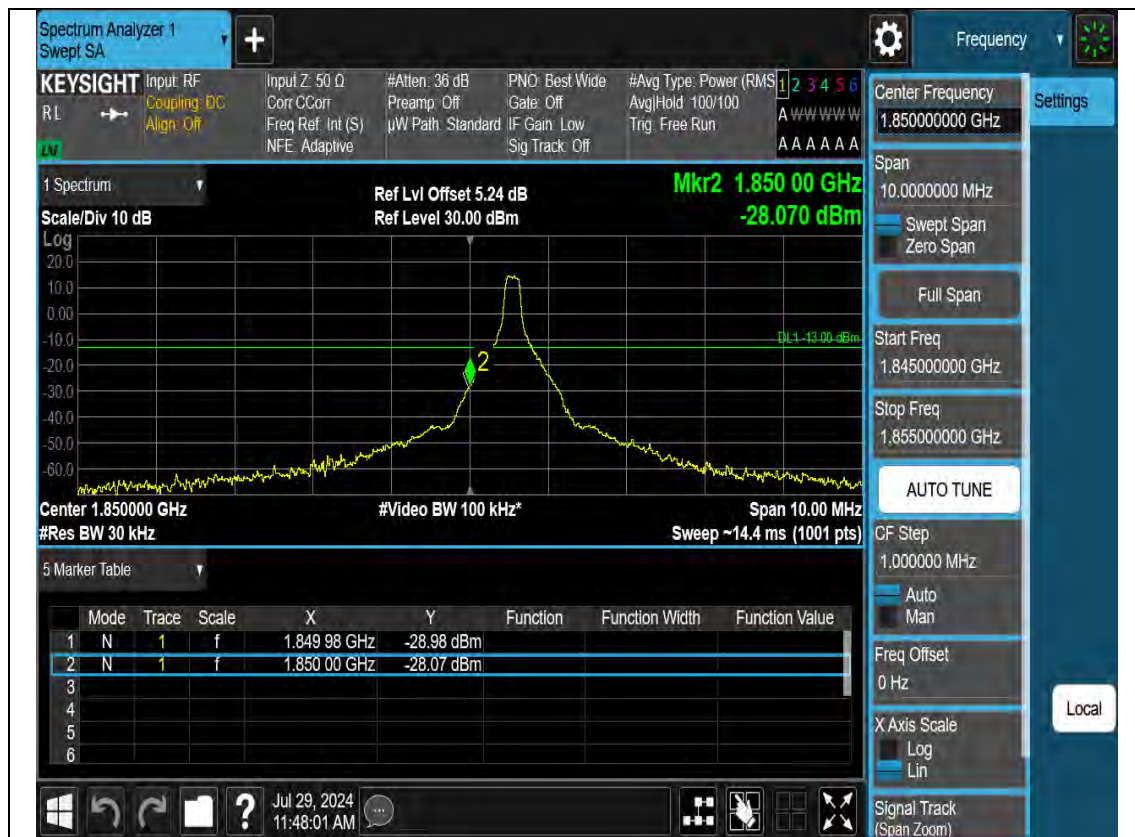
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N2-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N2-20M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N2-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



N2-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N2-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N2-20M-Bandedge-H-CP-OFDM-QPSK-Outer Full



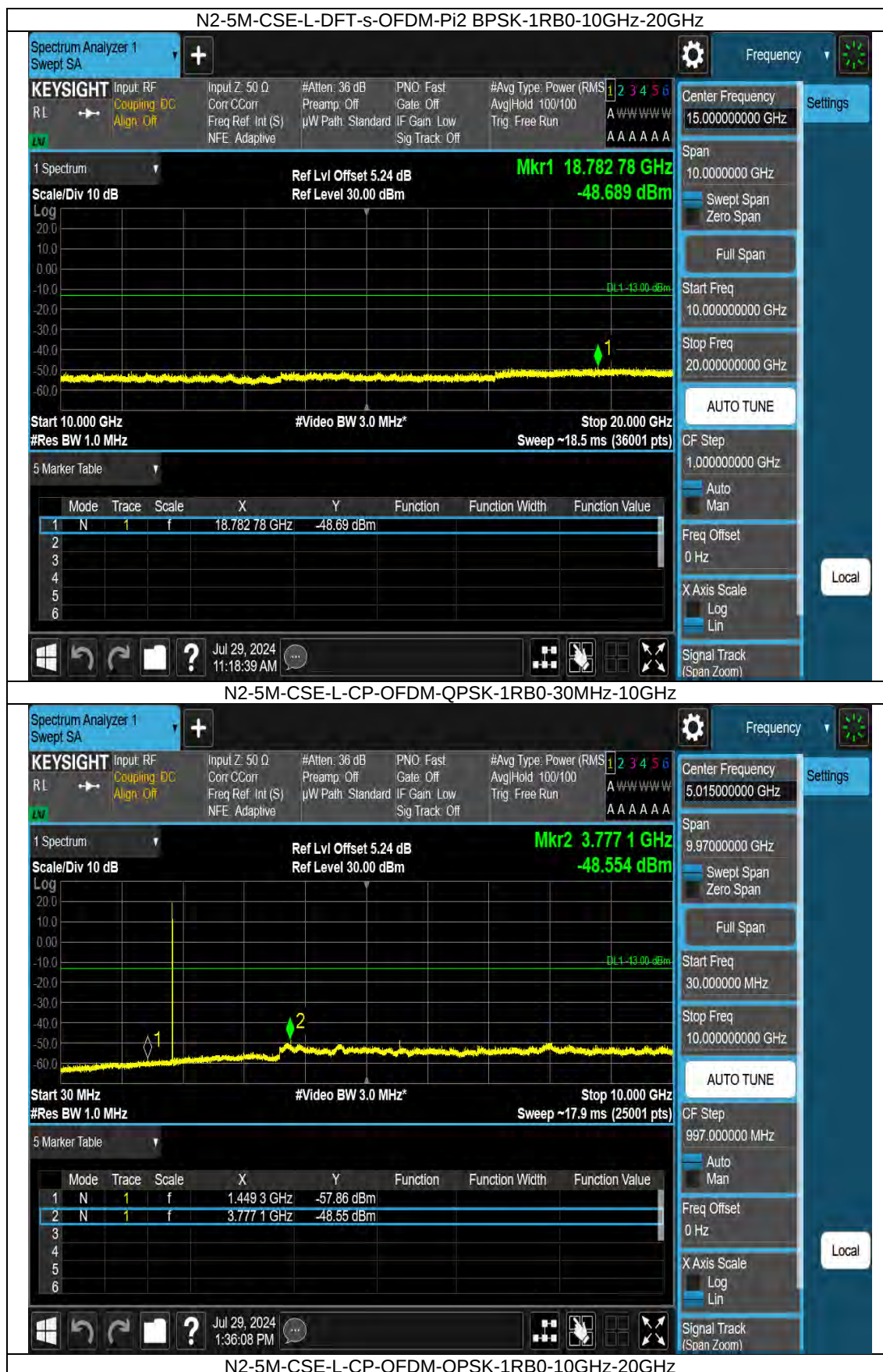
N2-20M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



Conducted spurious emissions

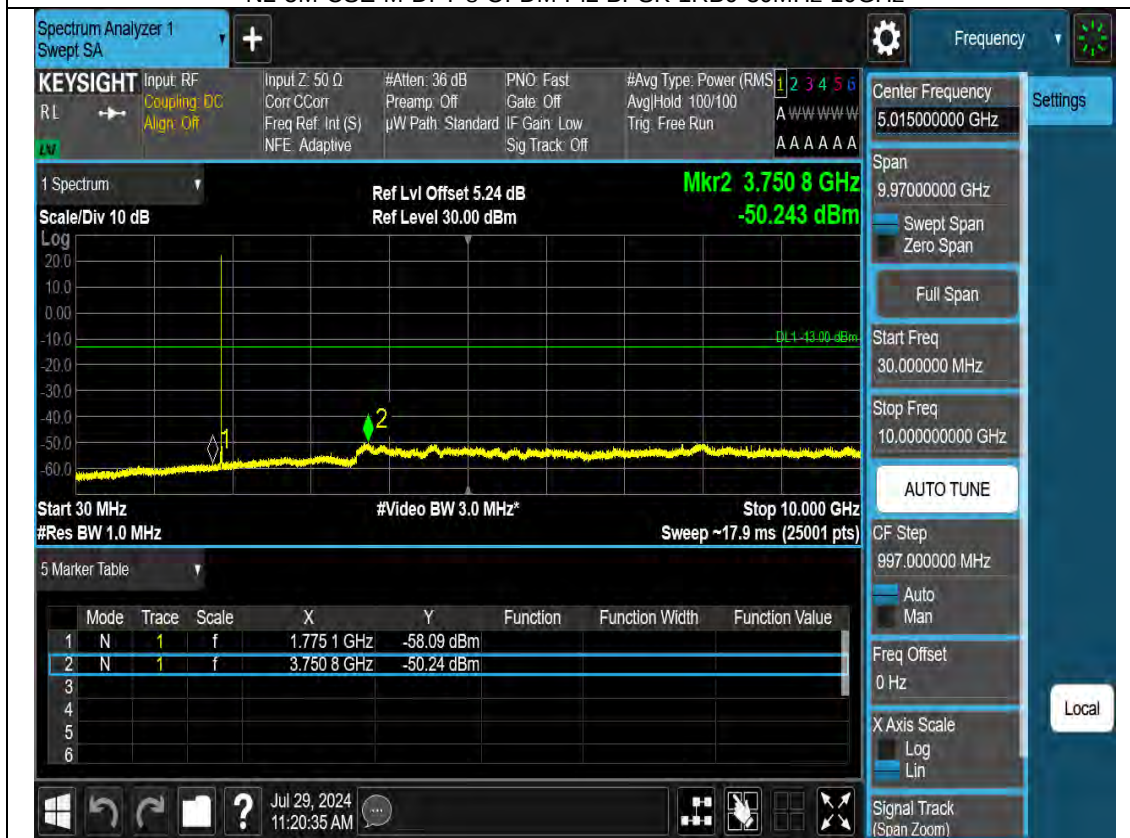
test graph







N2-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-5M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz



N2-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-5M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-5M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz



N2-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-10M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz



N2-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-10M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz