

99% & 26dB Bandwidth

Test Result

5G NR N25 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	4.51	5.17	/	Pass
CP-OFDM QPSK		Outer_Full	4.51	5.24	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.5	5.13	/	Pass
CP-OFDM QPSK		Outer_Full	4.52	5.3	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.51	5.14	/	Pass
CP-OFDM QPSK		Outer_Full	4.51	5.26	/	Pass

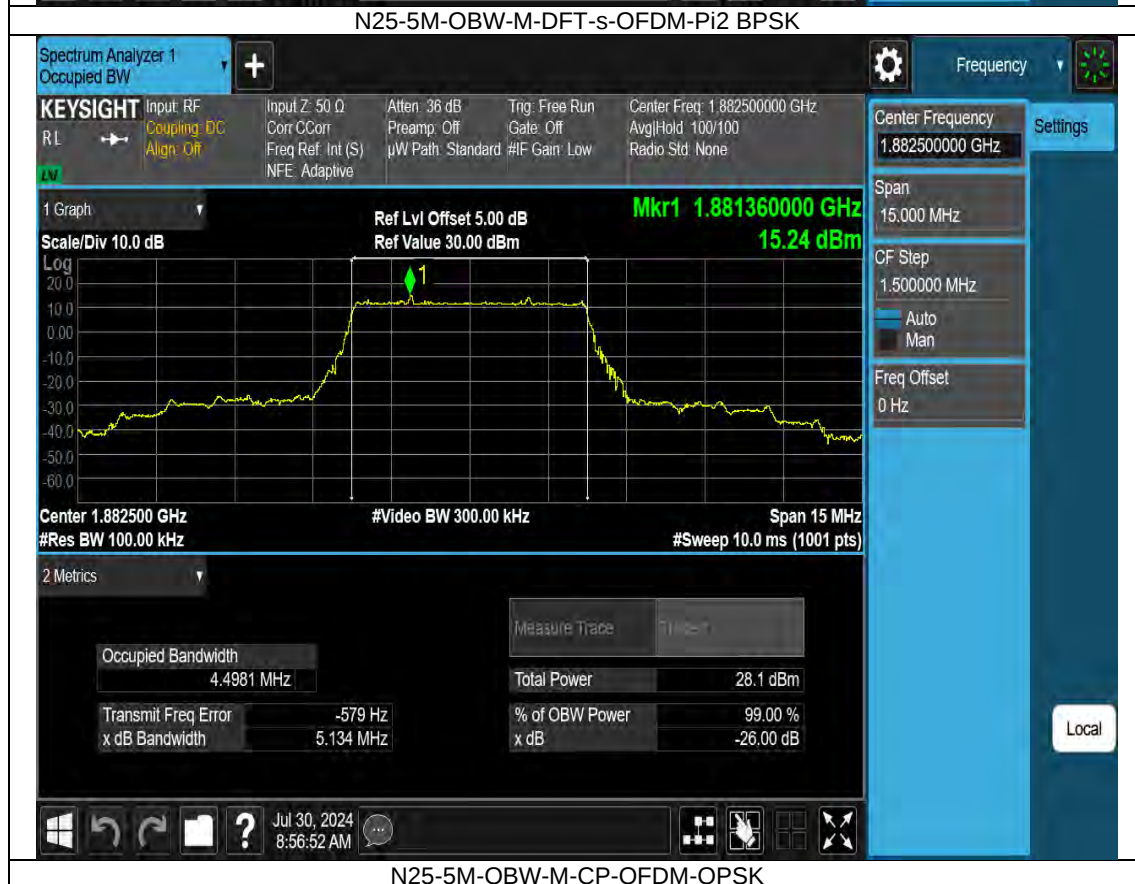
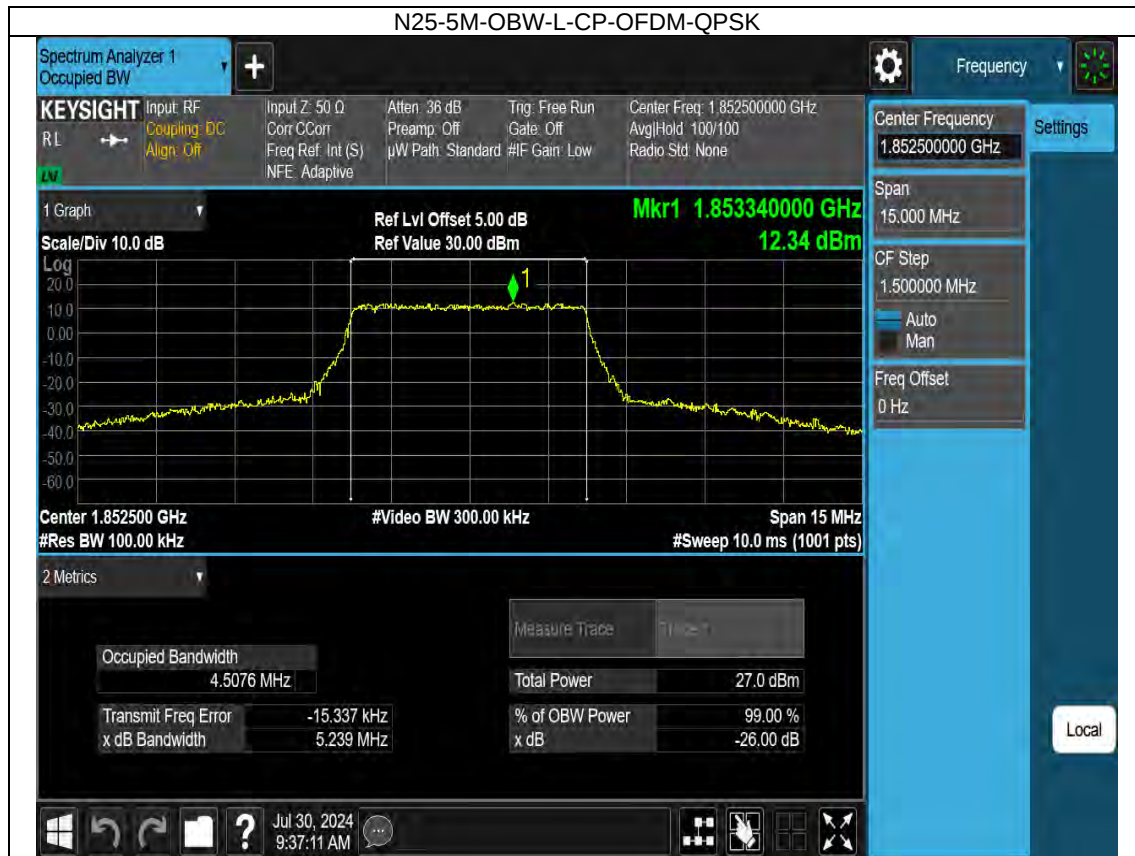
5G NR N25 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	8.95	9.65	/	Pass
CP-OFDM QPSK		Outer_Full	9.32	10.19	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.94	9.64	/	Pass
CP-OFDM QPSK		Outer_Full	9.32	10.14	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.97	9.67	/	Pass
CP-OFDM QPSK		Outer_Full	9.32	10.21	/	Pass

5G NR N25 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	13.47	14.58	/	Pass
CP-OFDM QPSK		Outer_Full	14.12	15.14	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.49	14.51	/	Pass
CP-OFDM QPSK		Outer_Full	14.15	15.23	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.48	14.49	/	Pass
CP-OFDM QPSK		Outer_Full	14.14	15.3	/	Pass

5G NR N25 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	17.9	19	/	Pass
CP-OFDM QPSK		Outer_Full	18.92	19.99	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.86	18.91	/	Pass
CP-OFDM QPSK		Outer_Full	18.96	20.04	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.83	18.93	/	Pass
CP-OFDM QPSK		Outer_Full	18.93	19.96	/	Pass

Test Graph







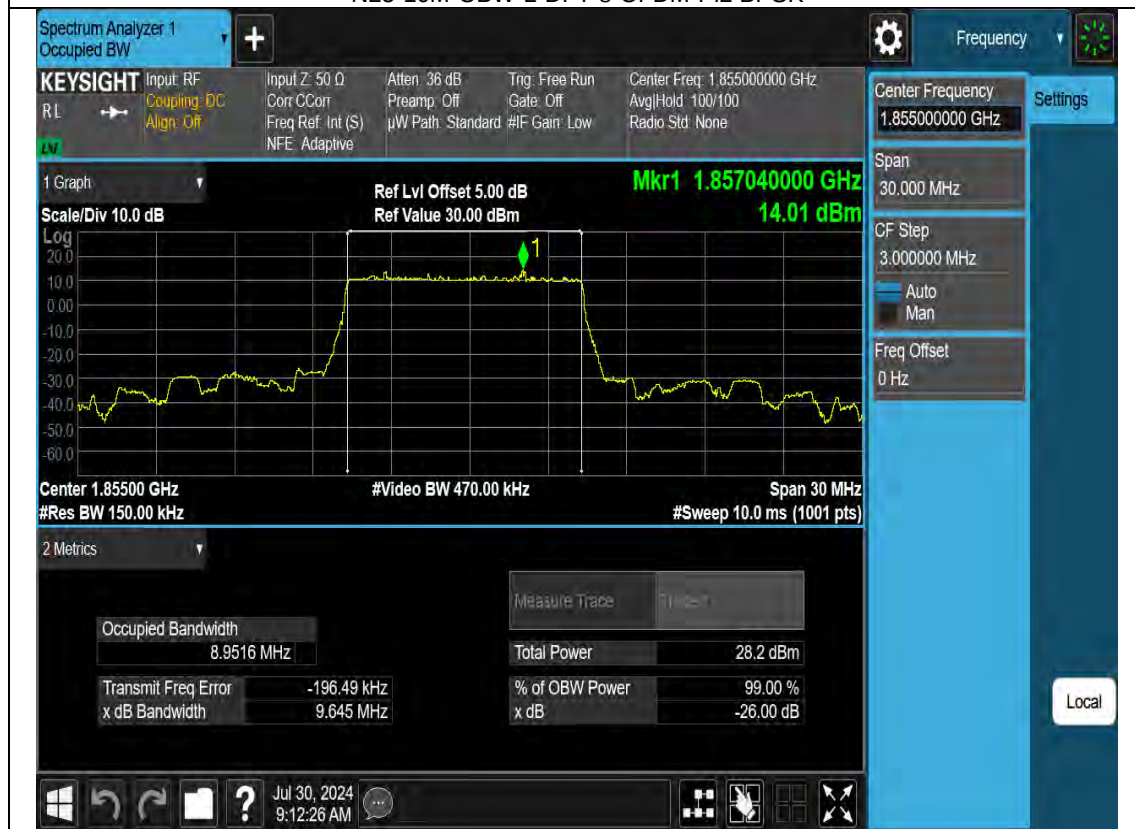
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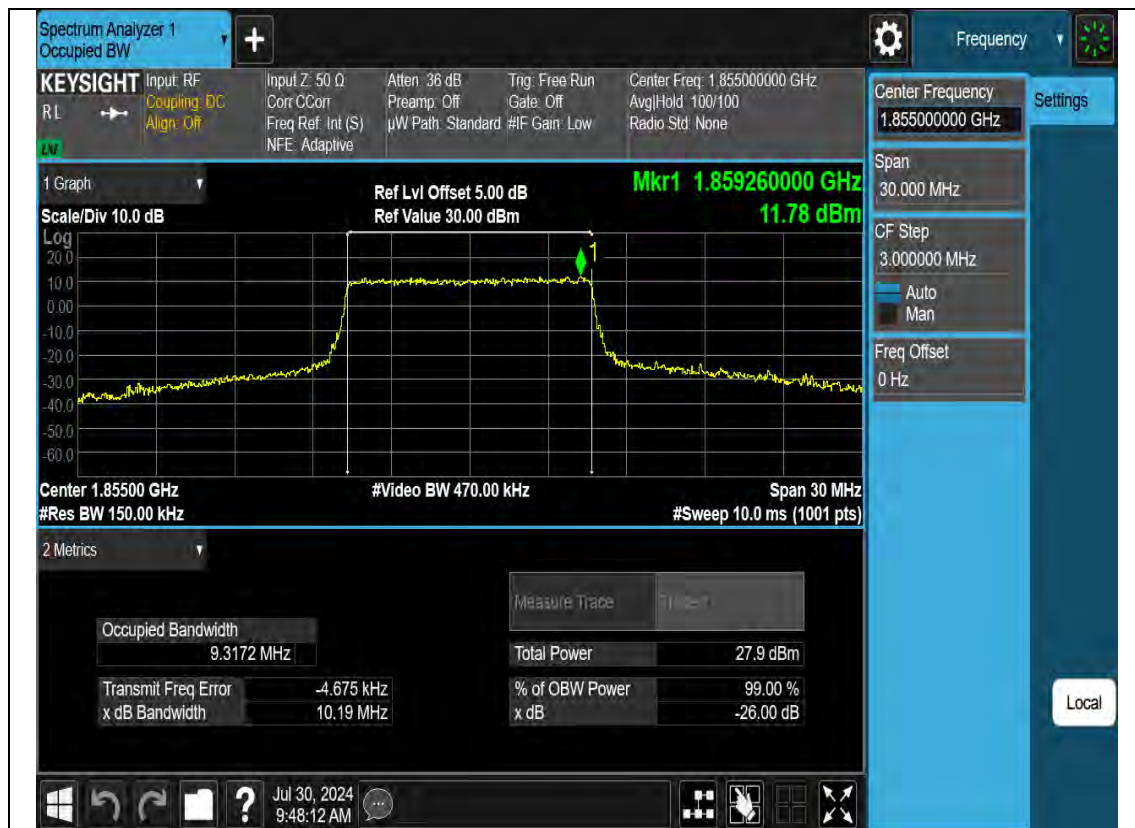
N25-5M-OBW-H-CP-OFDM-QPSK



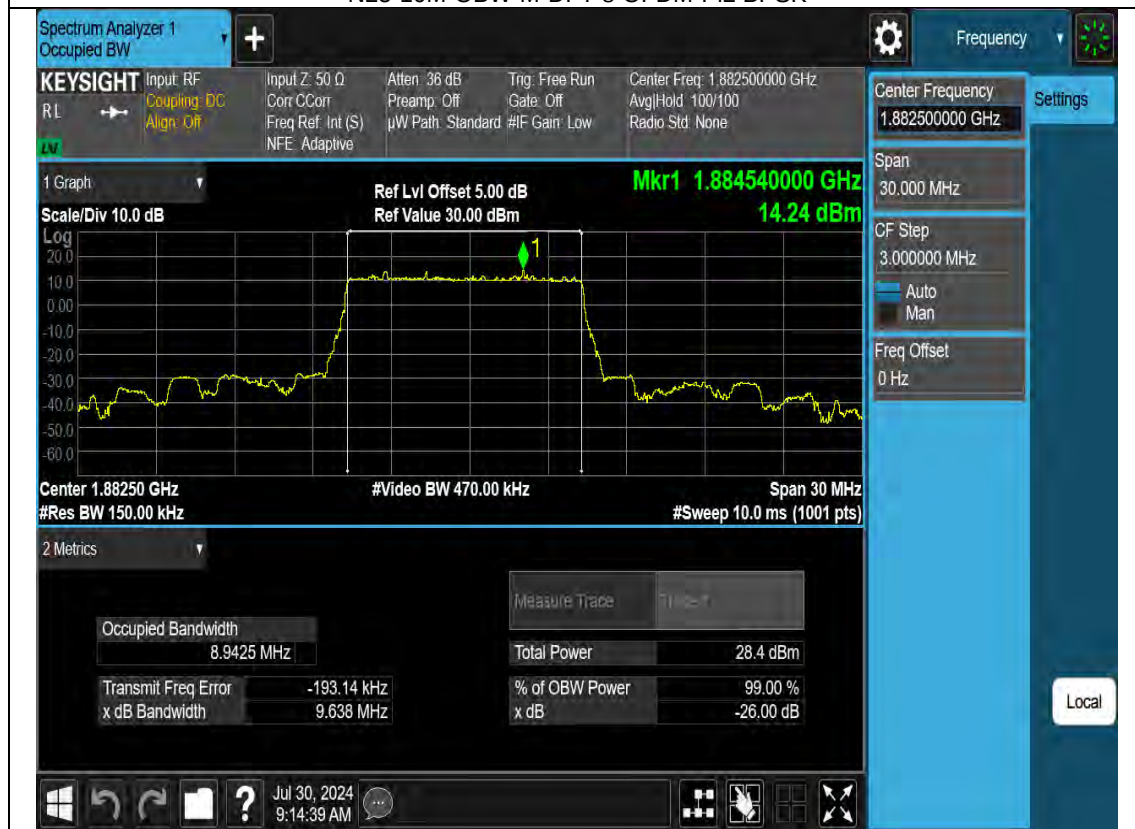
N25-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N25-10M-OBW-L-CP-OFDM-QPSK



N25-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N25-10M-OBW-M-CP-OFDM-QPSK



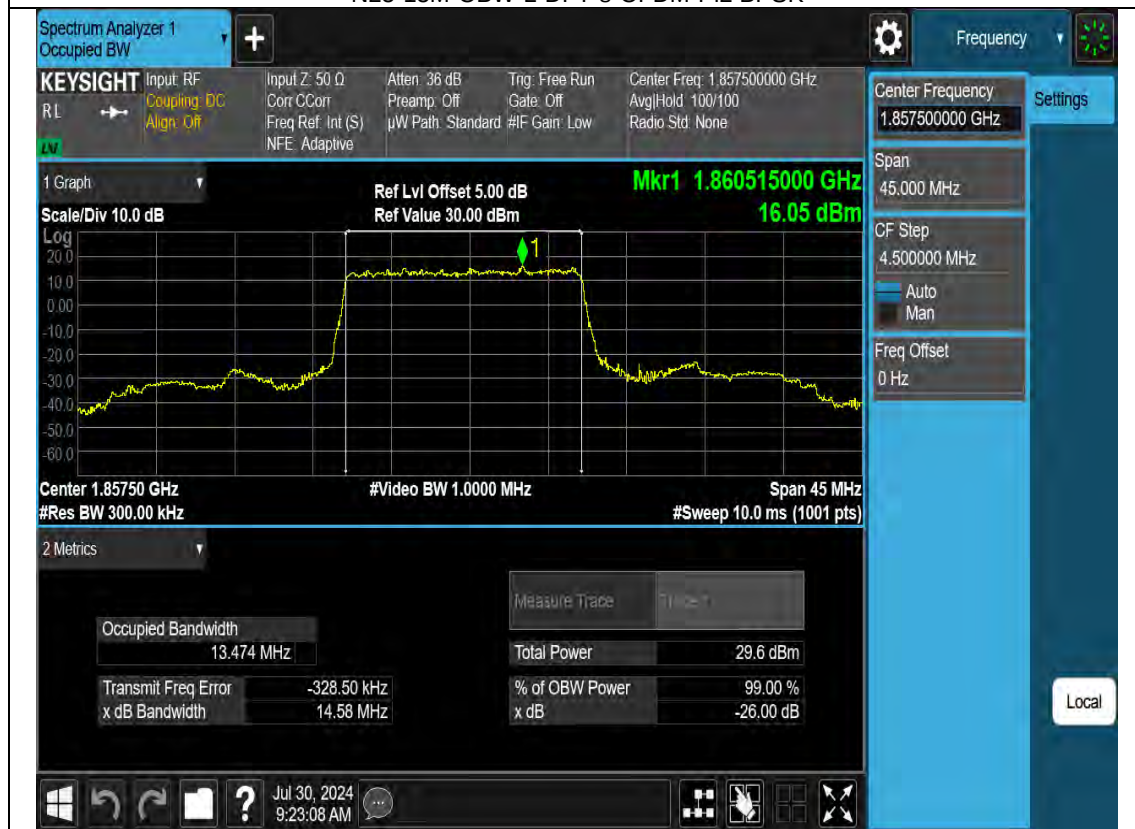
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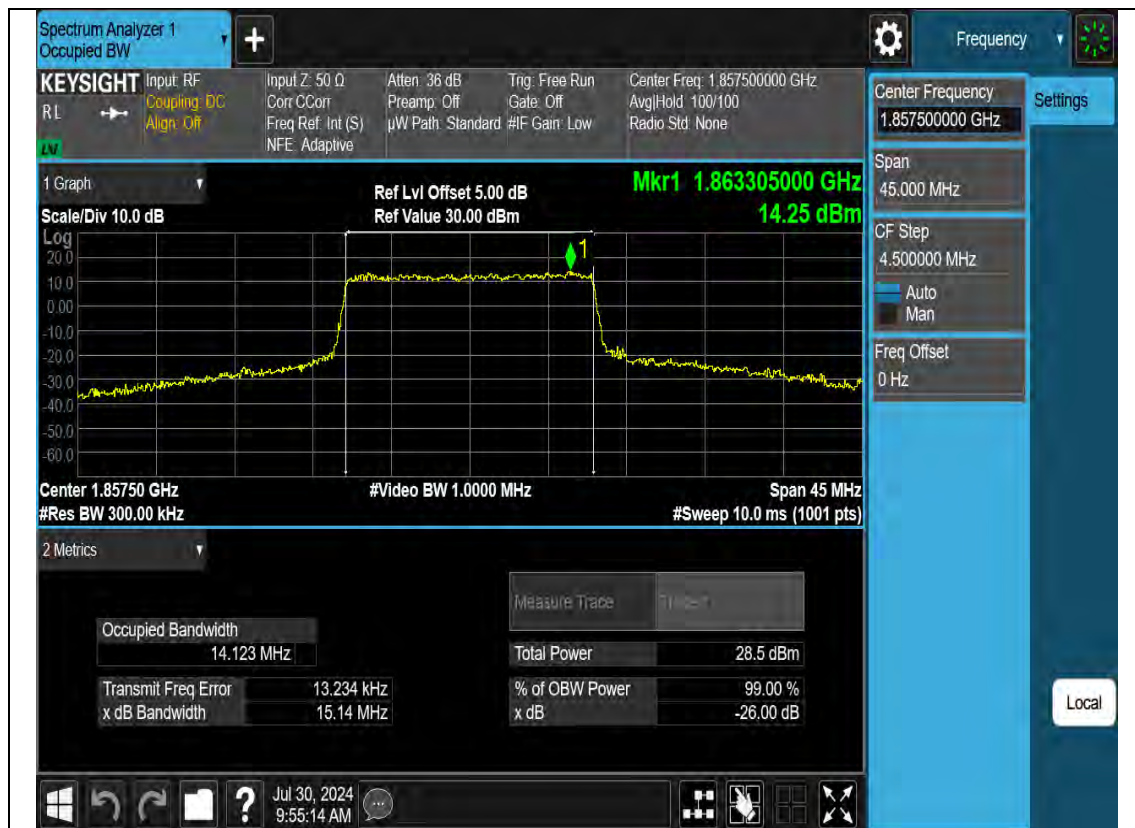
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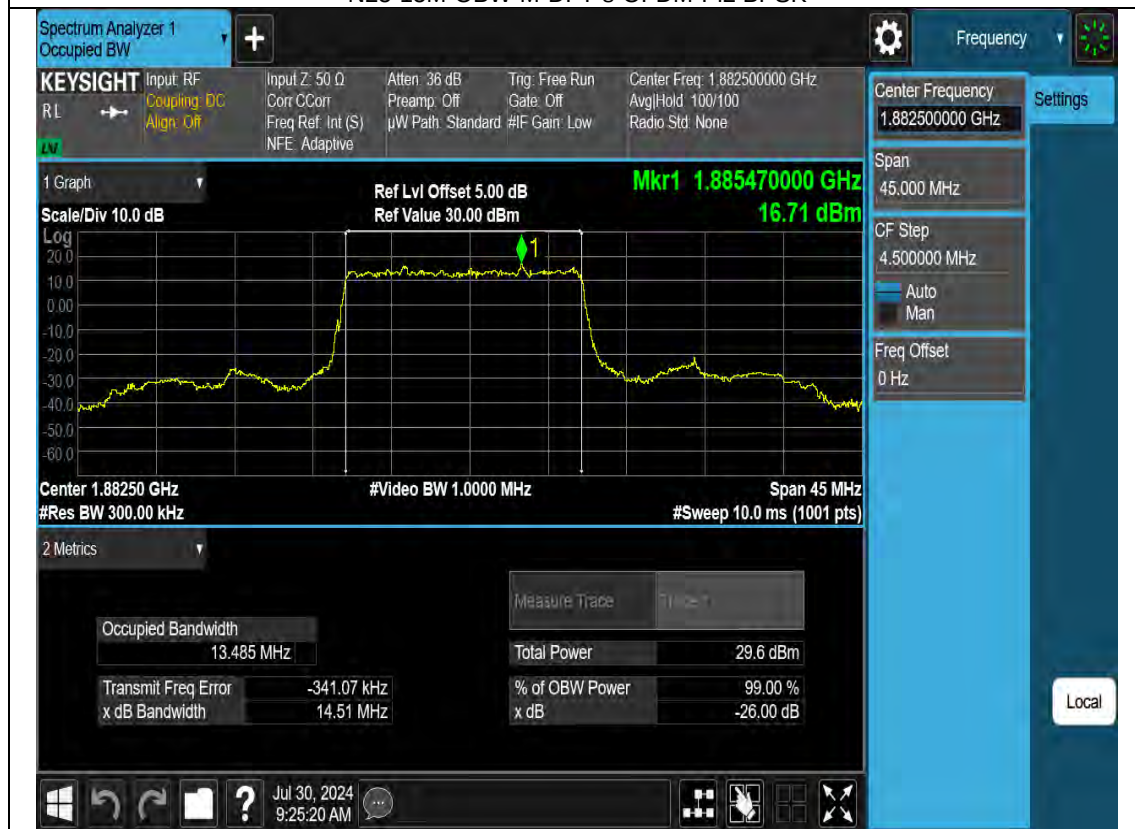
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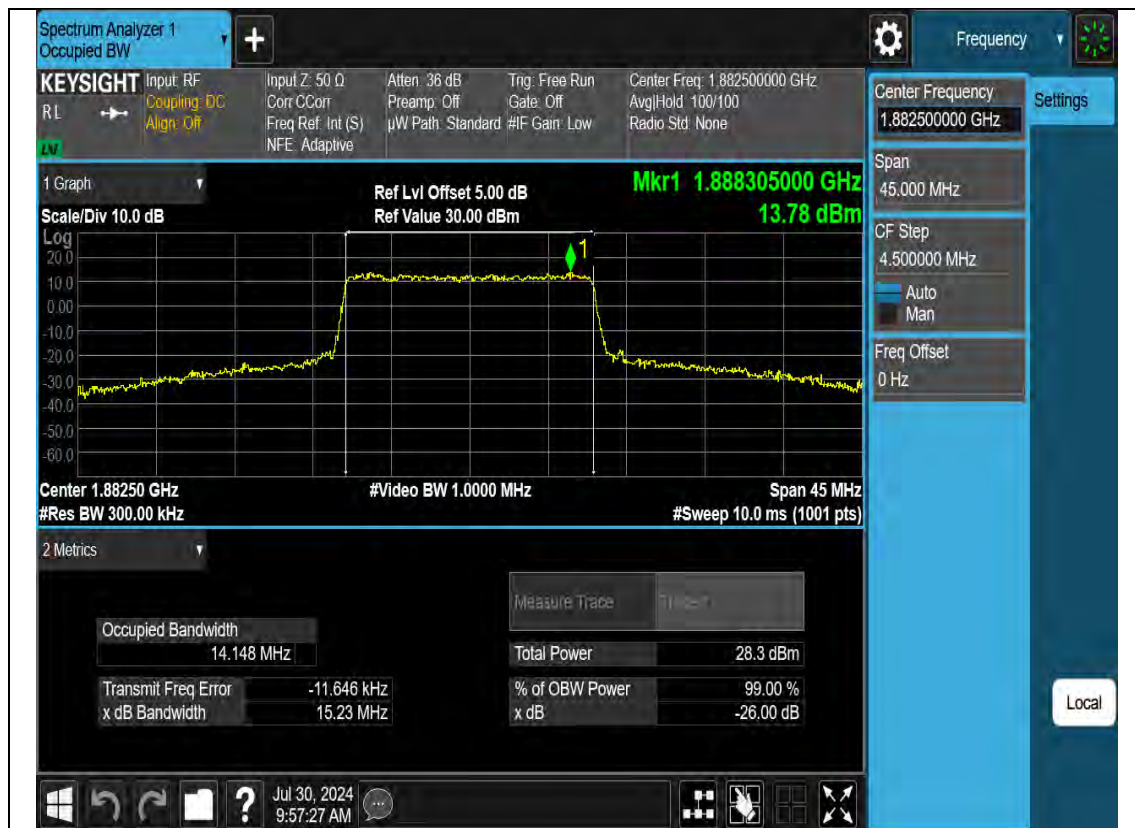
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N25-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



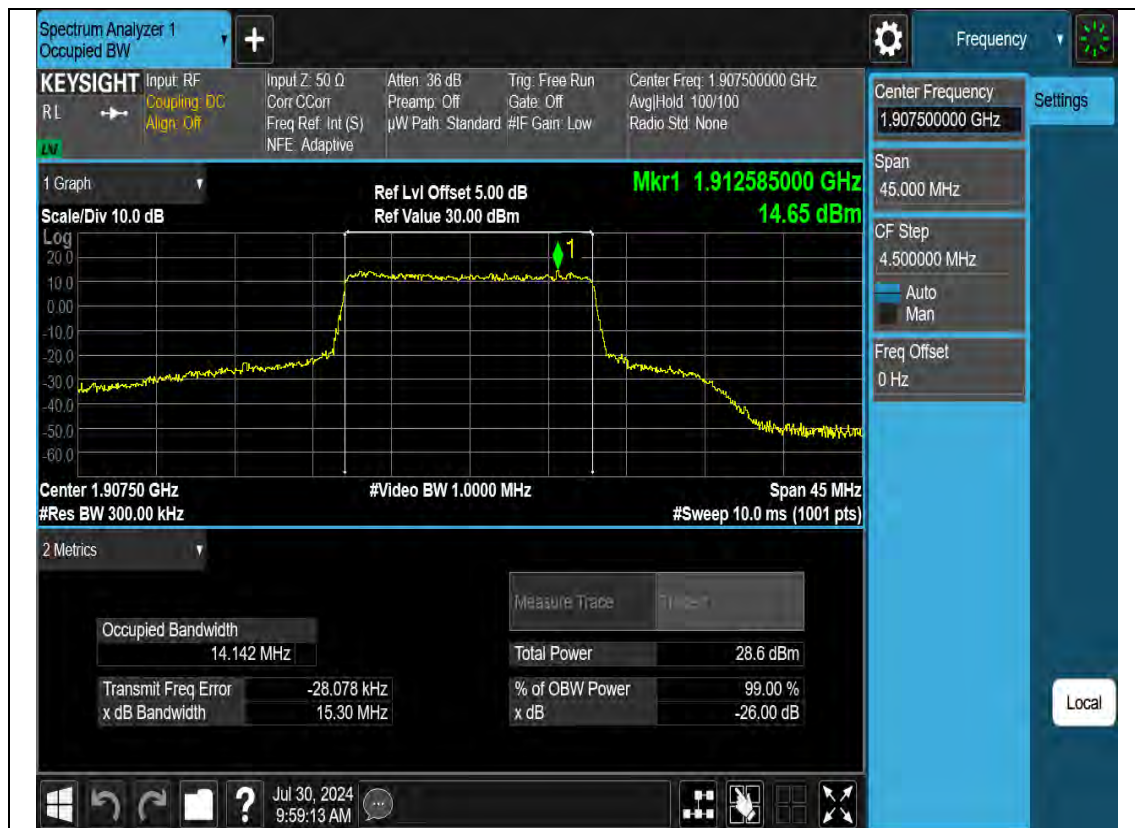
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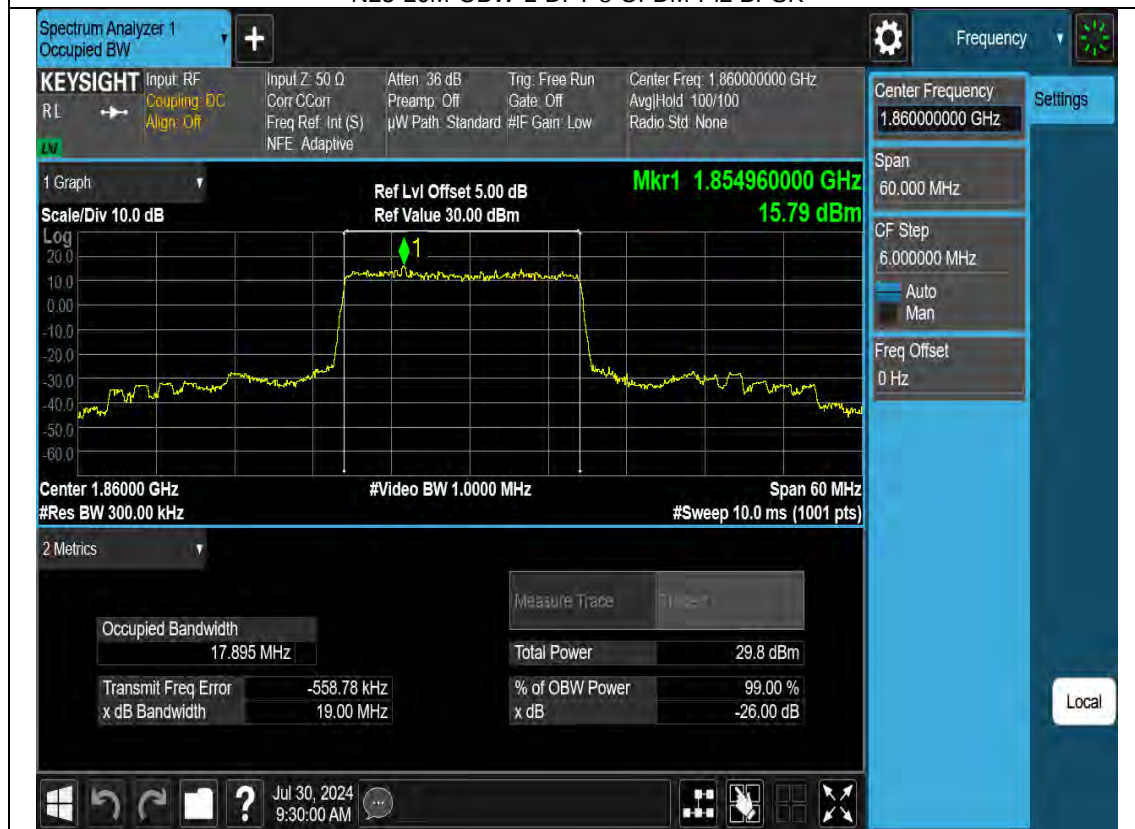
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N25-15M-OBW-H-CP-OFDM-QPSK



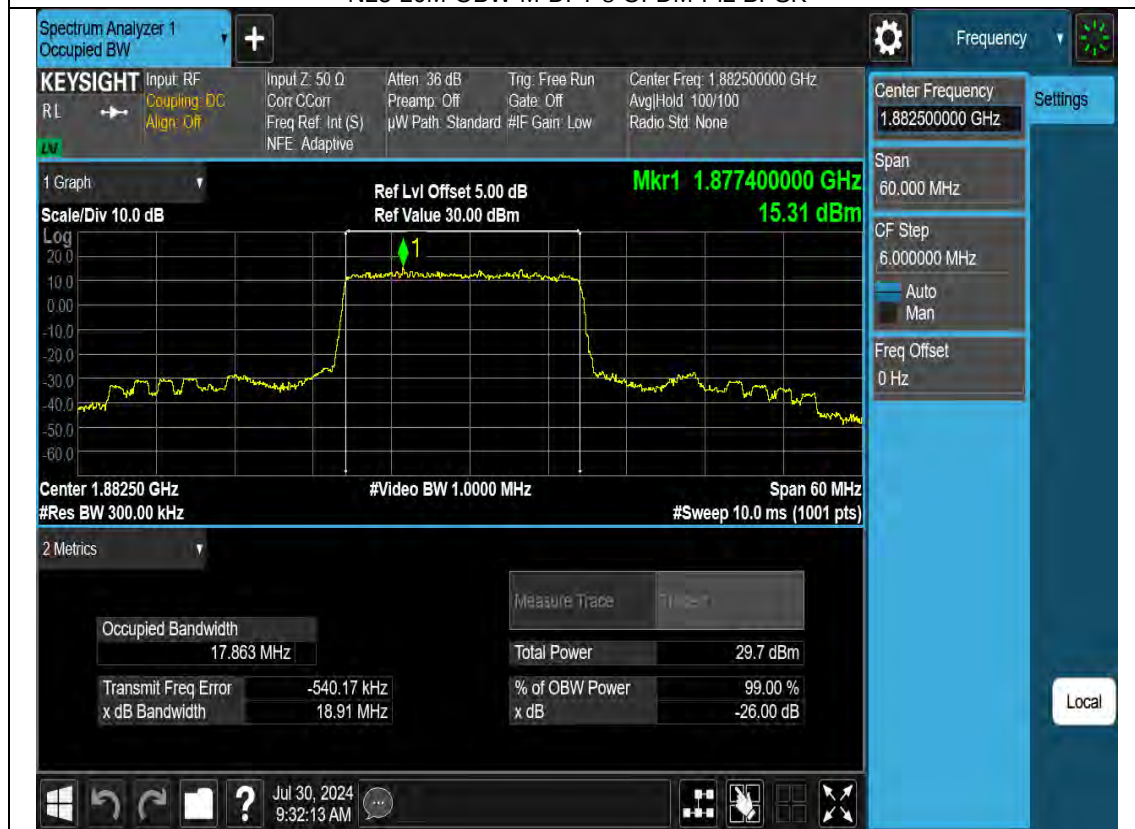
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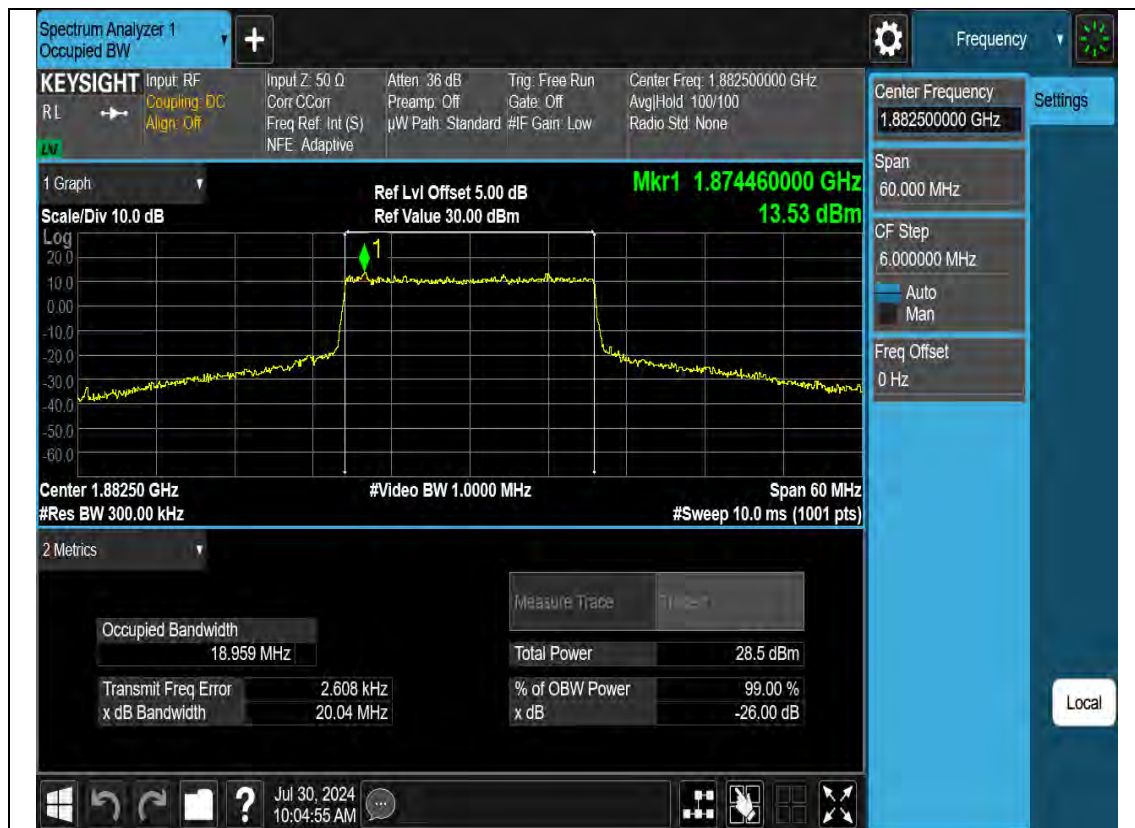
N25-20M-OBW-L-CP-OFDM-QPSK



N25-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N25-20M-OBW-M-CP-OFDM-QPSK



N25-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N25-20M-OBW-H-CP-OFDM-QPSK



Peak-Average Ratio

Test Result

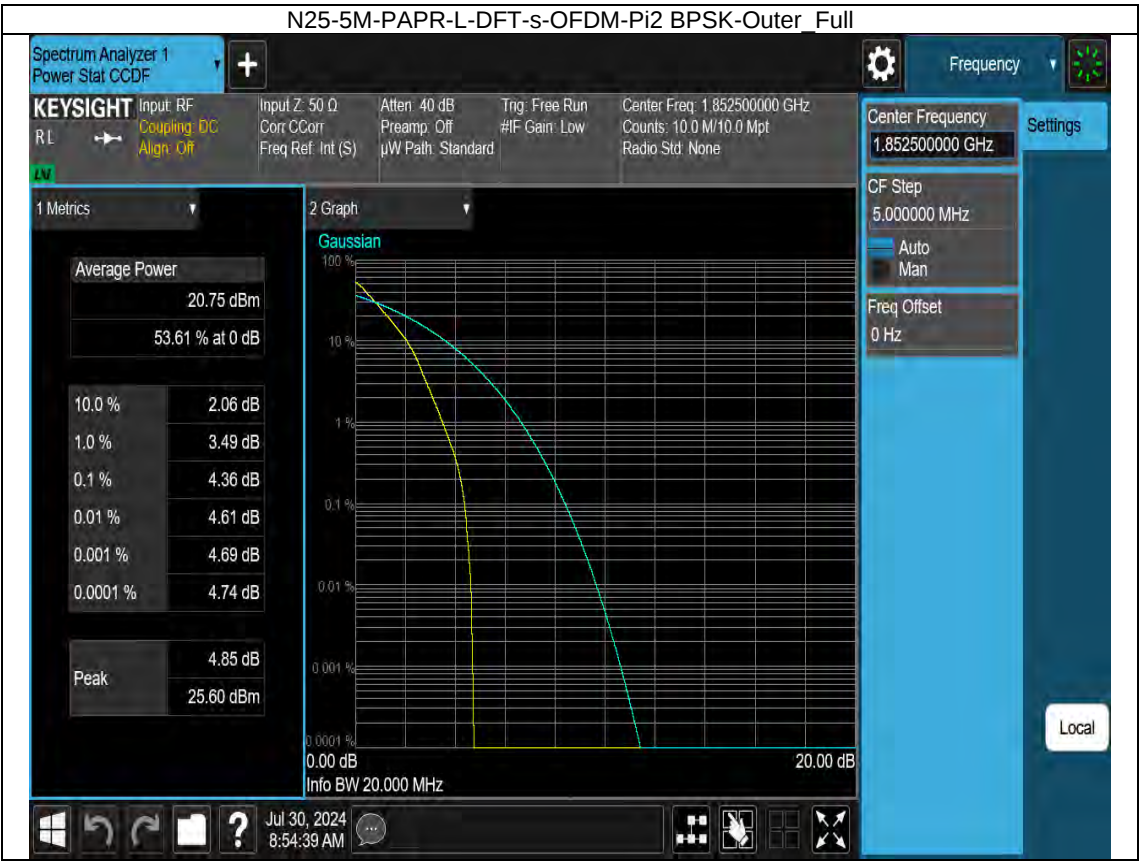
5G NR N25 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.36	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.91	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.52	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.81	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.75	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.51	<=13	Pass

5G NR N25 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.63	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.18	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.45	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.53	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	5.1	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.25	<=13	Pass

5G NR N25 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.6	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.14	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.51	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.66	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.3	<=13	Pass

5G NR N25 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.7	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.21	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.85	<=13	Pass
CP-OFDM QPSK		Outer_Full	7	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.3	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.18	<=13	Pass

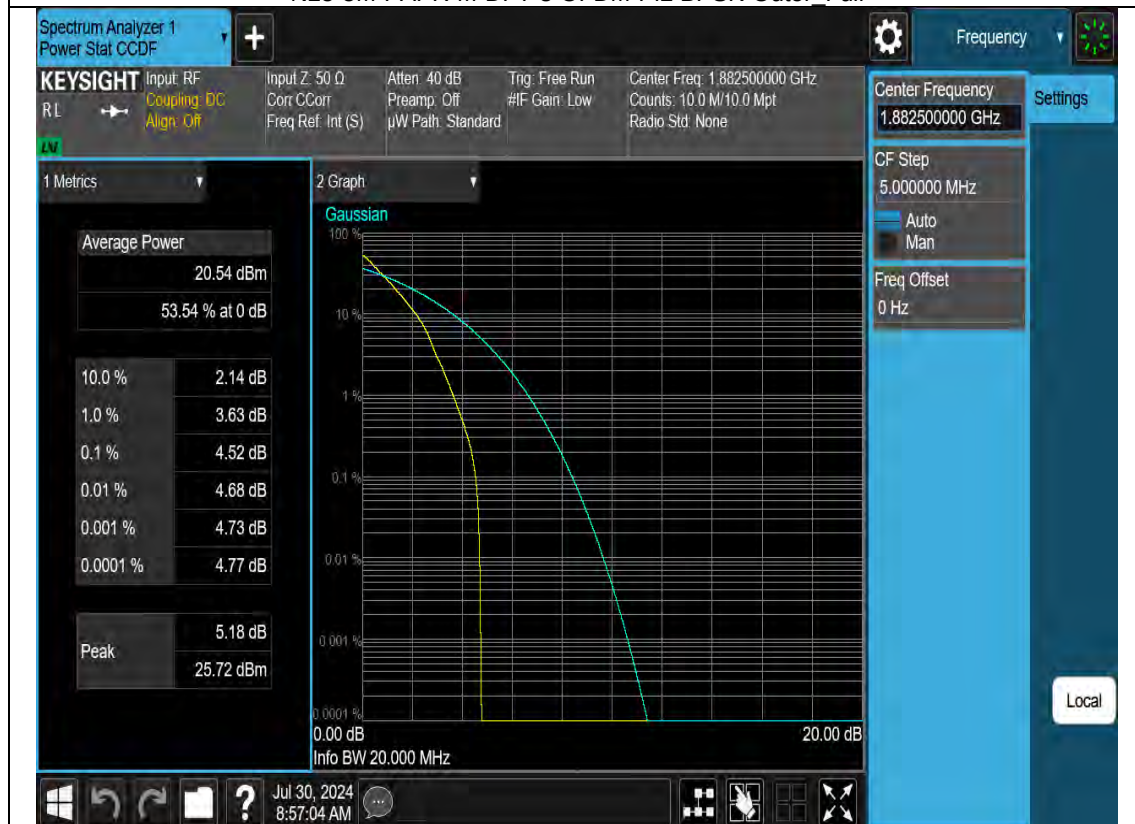
Test Graph



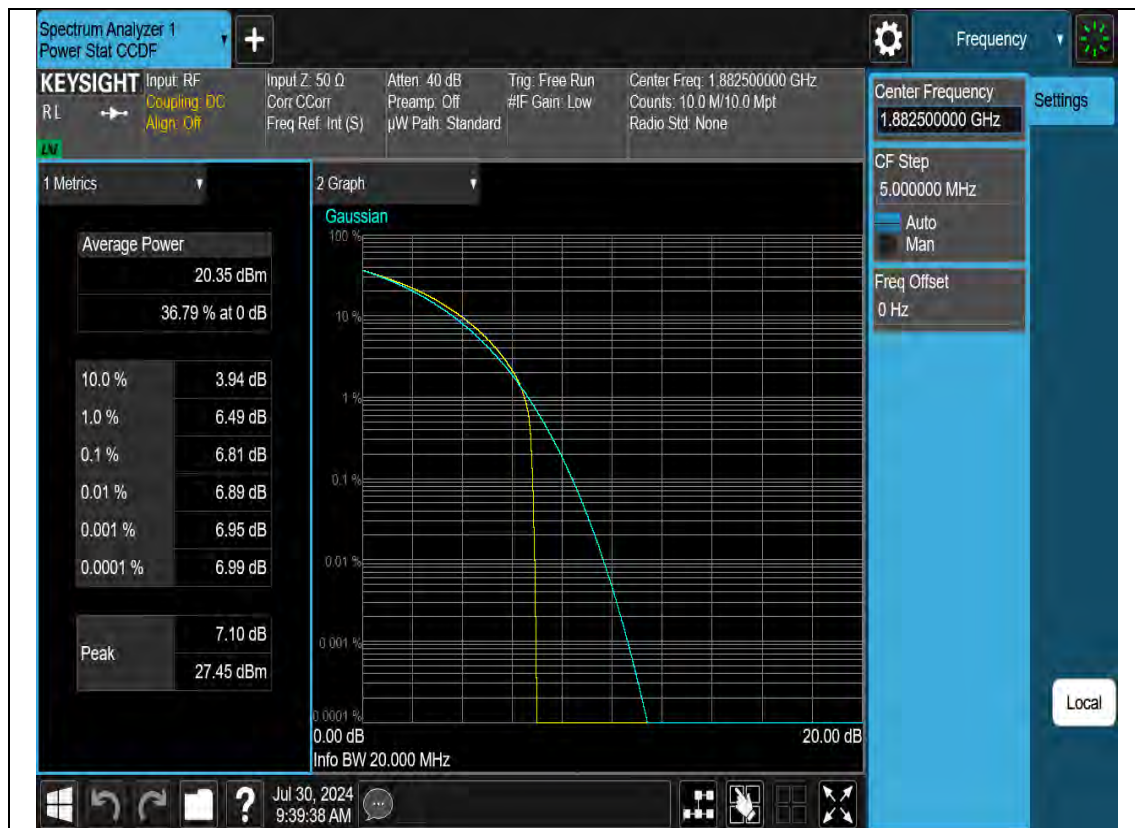
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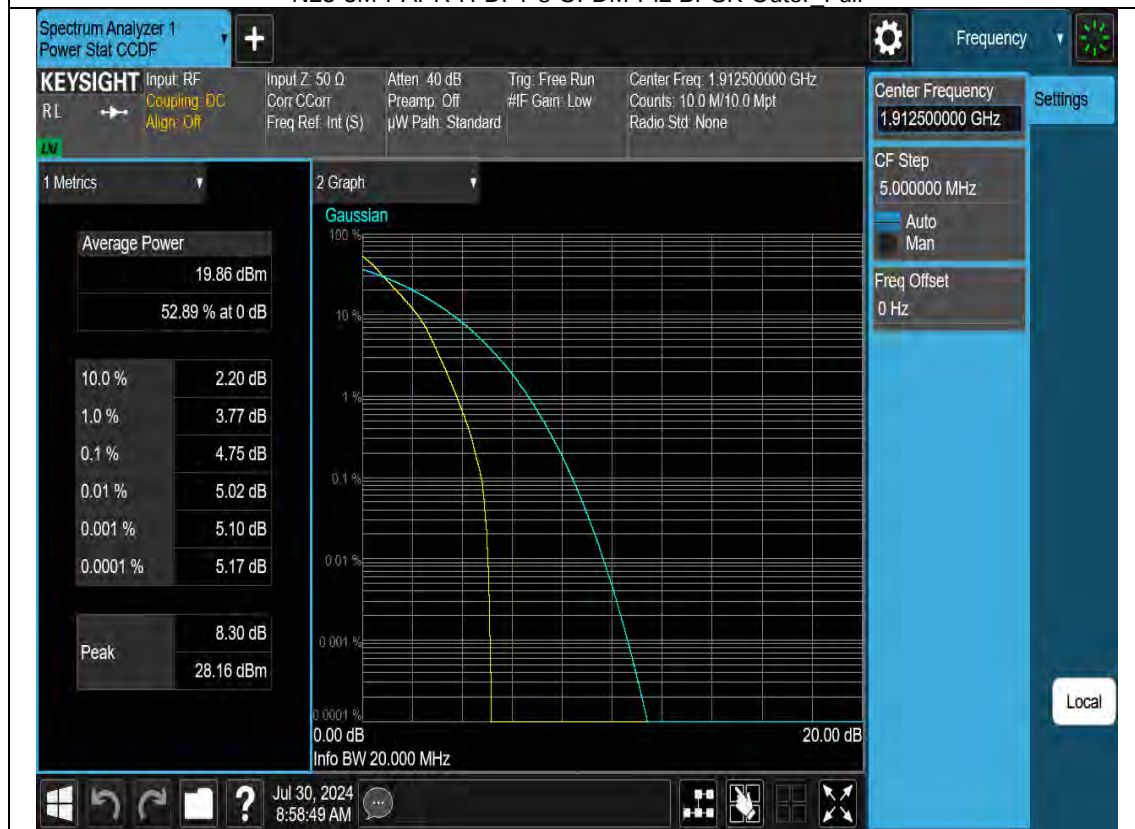
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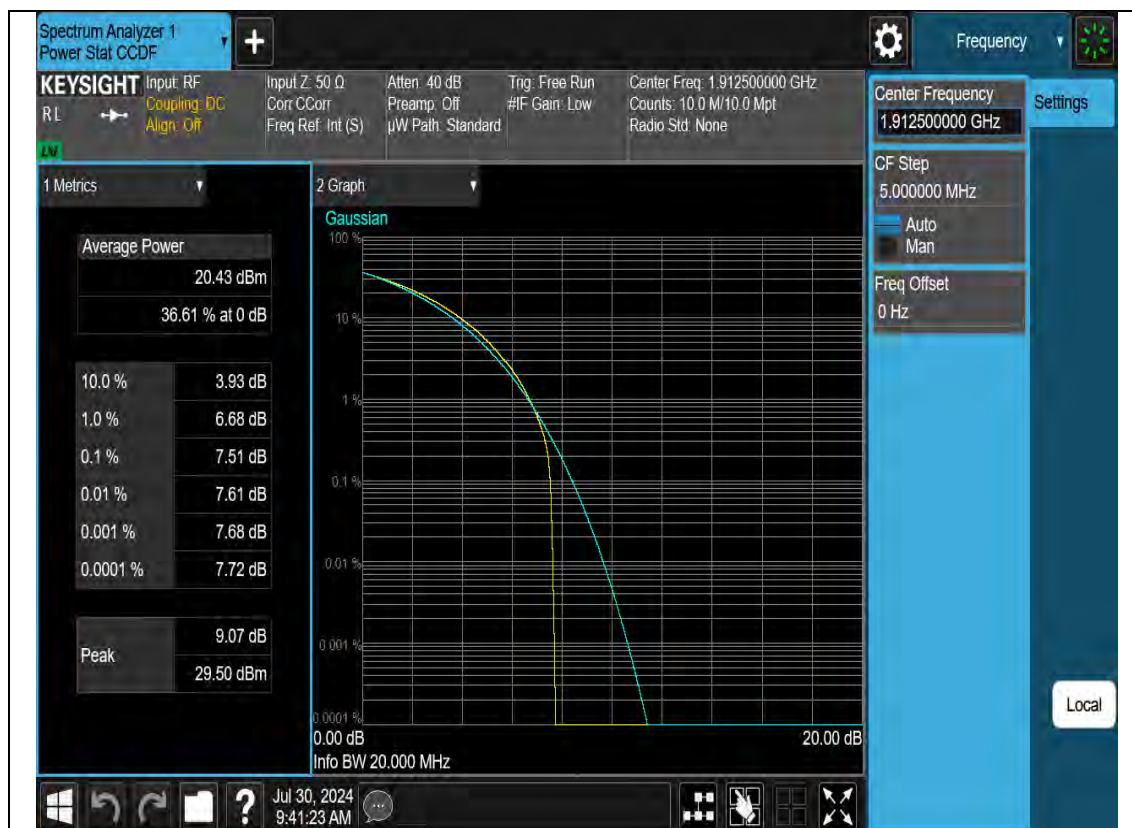
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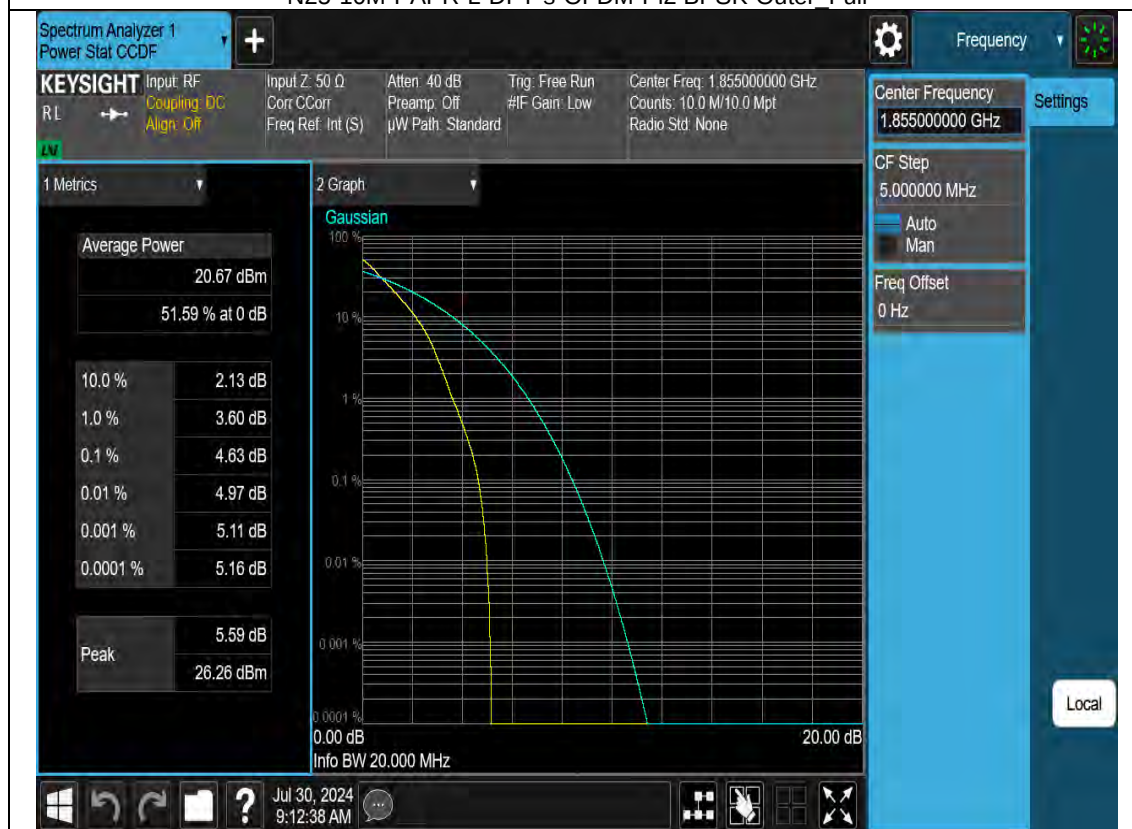
N25-5M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N25-5M-PAPR-H-CP-OFDM-QPSK-Outer Full



N25-10M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



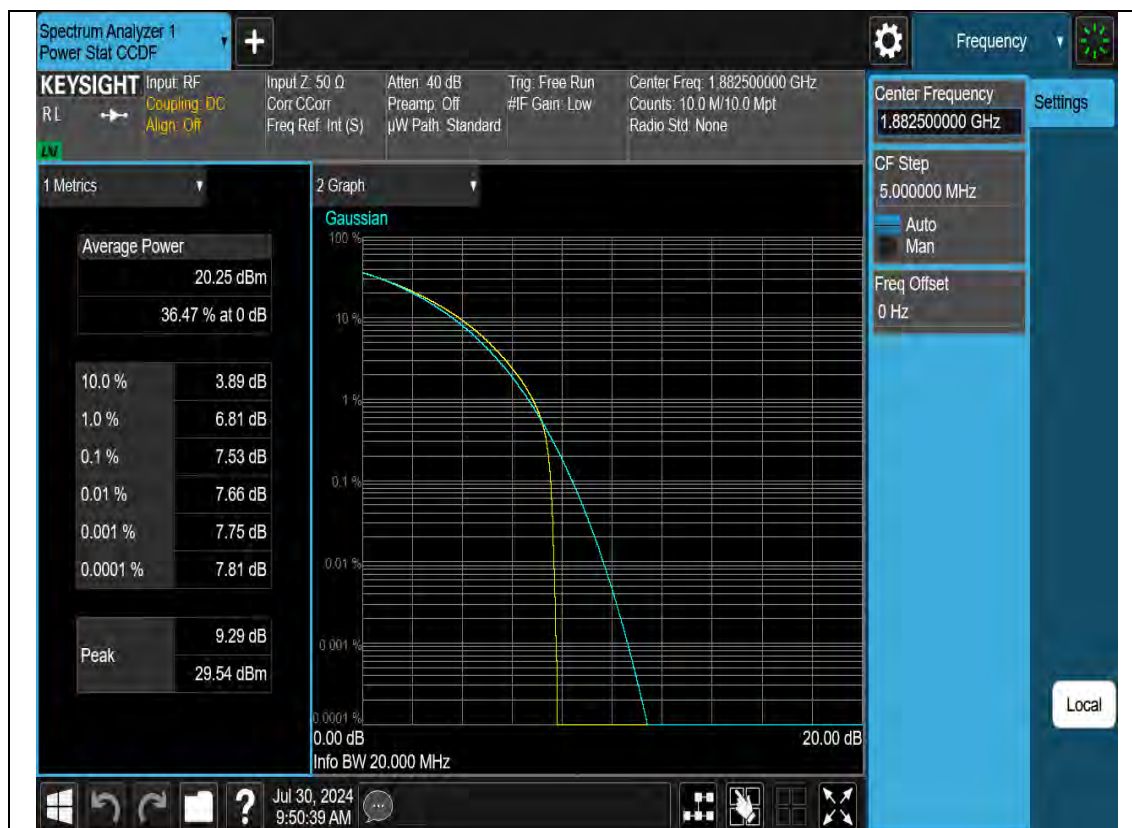
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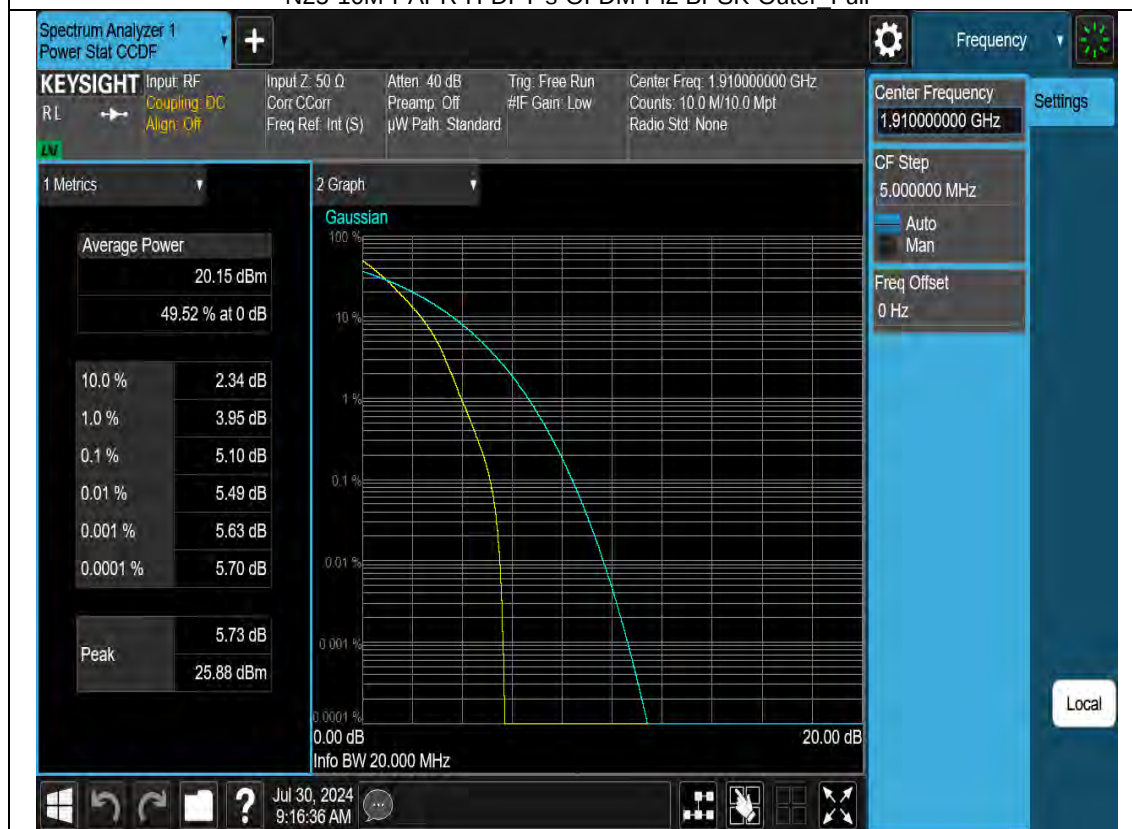
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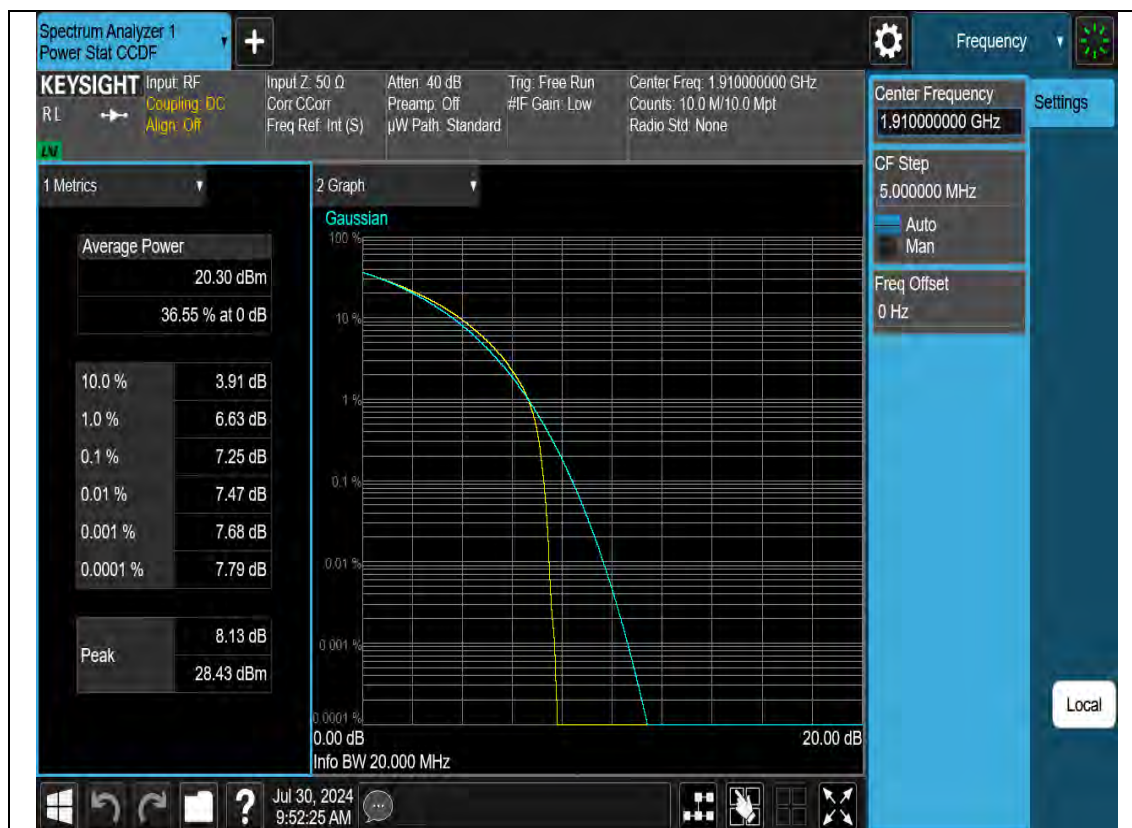
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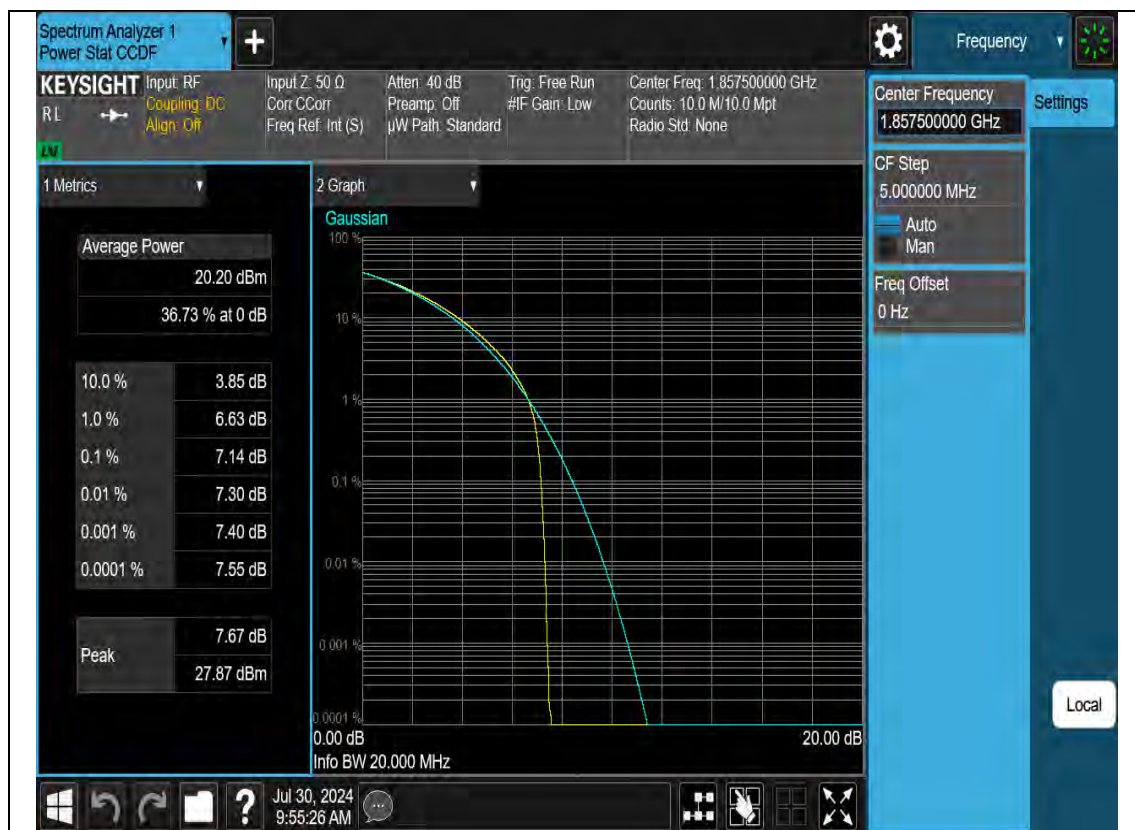
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N25-15M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N25-15M-PAPR-L-CP-OFDM-QPSK-Outer Full



N25-15M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer Full



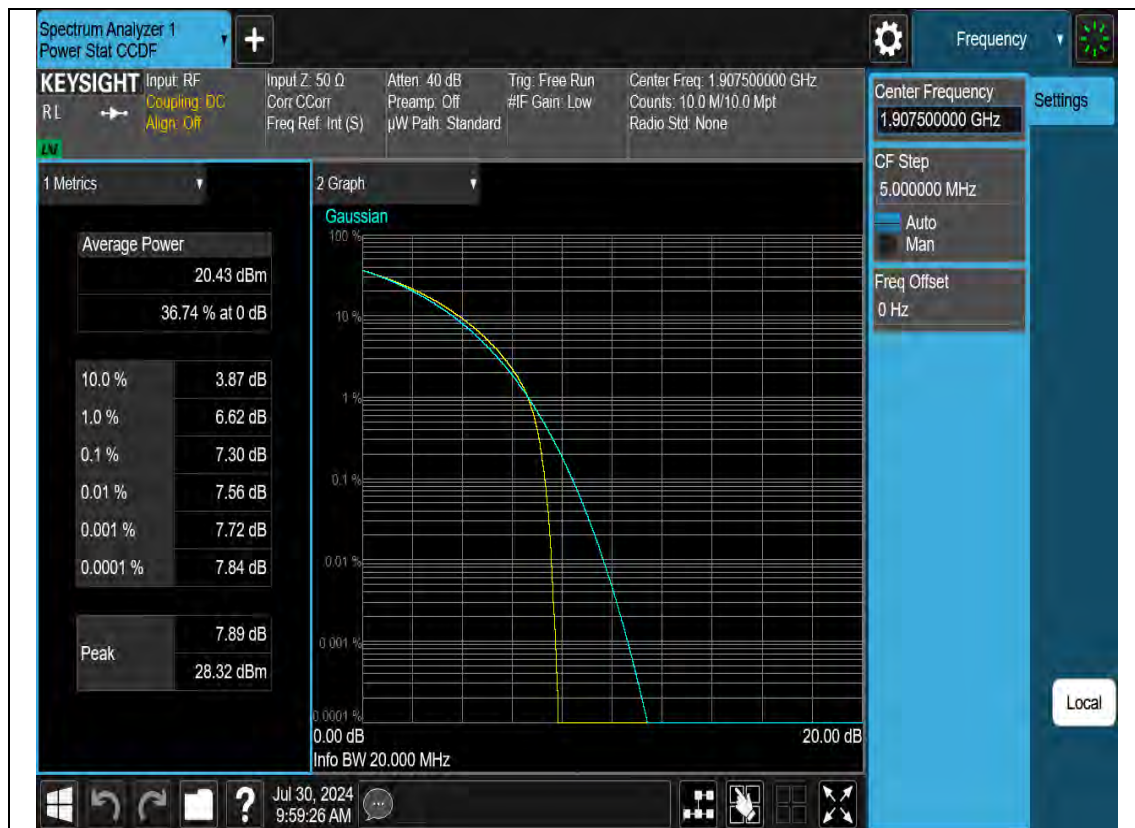
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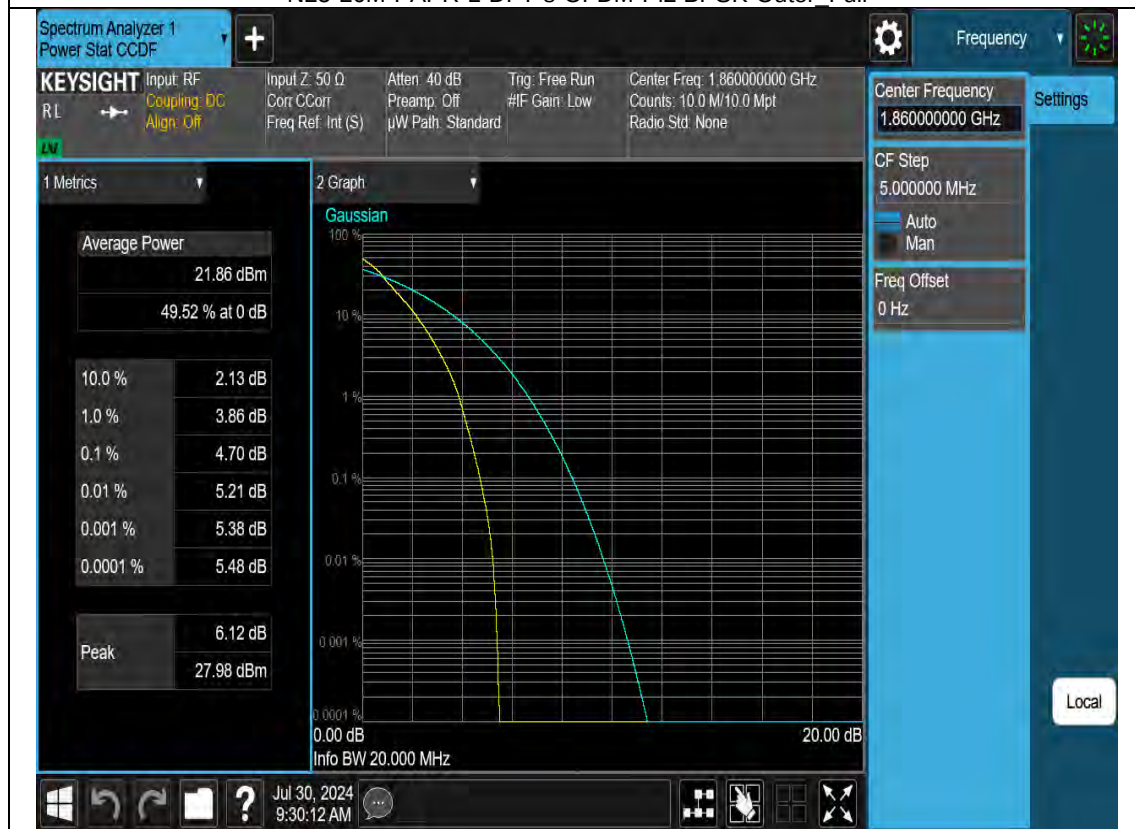
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N25-15M-PAPR-H-CP-OFDM-QPSK-Outer Full



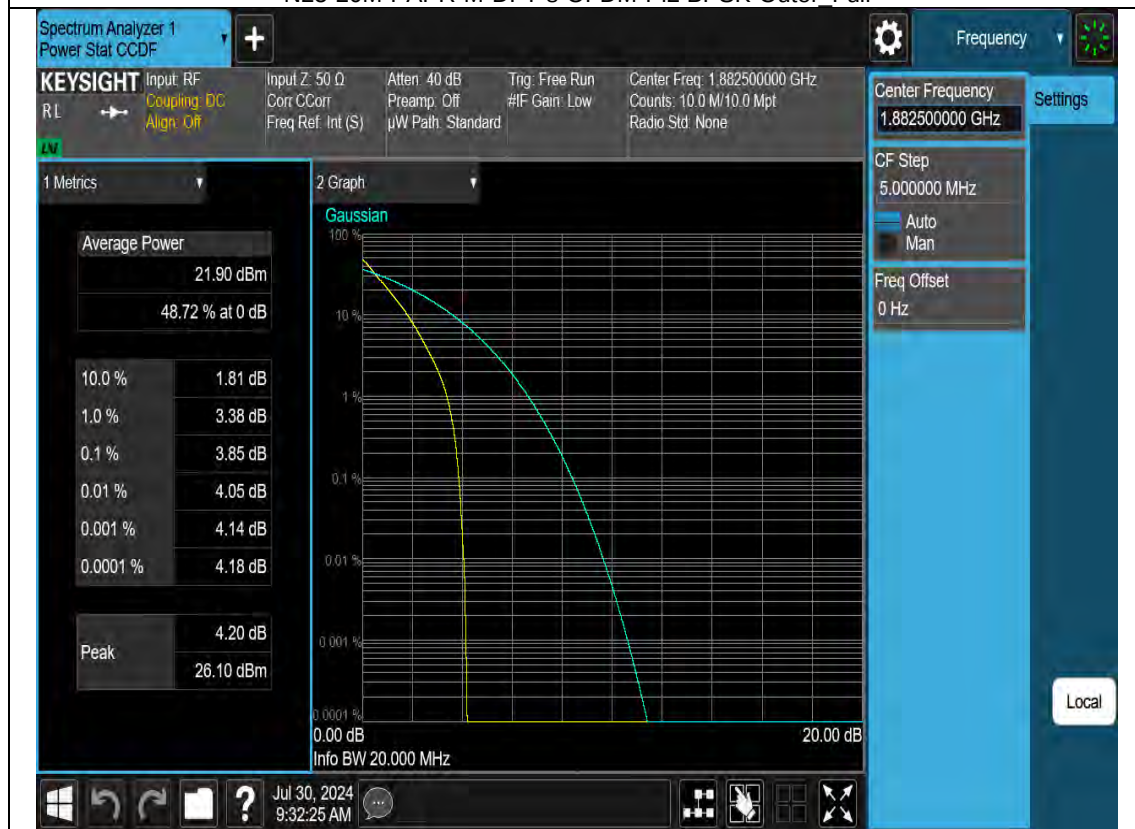
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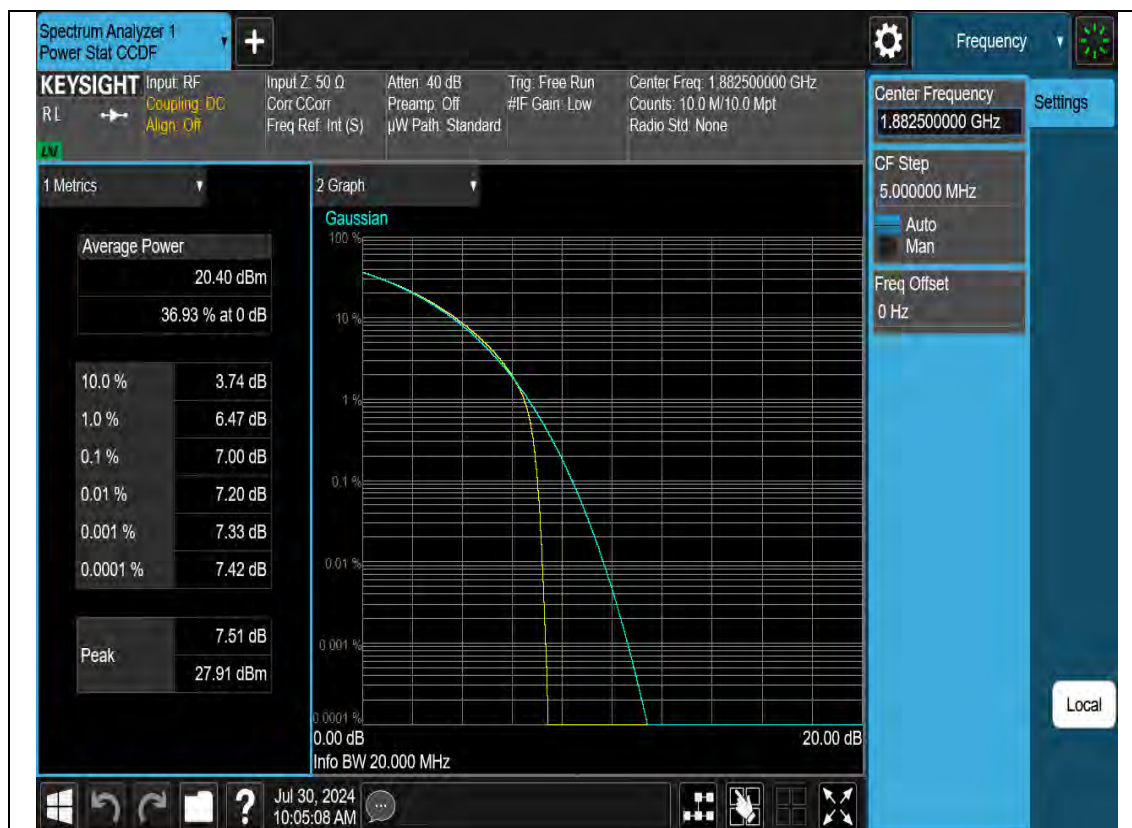
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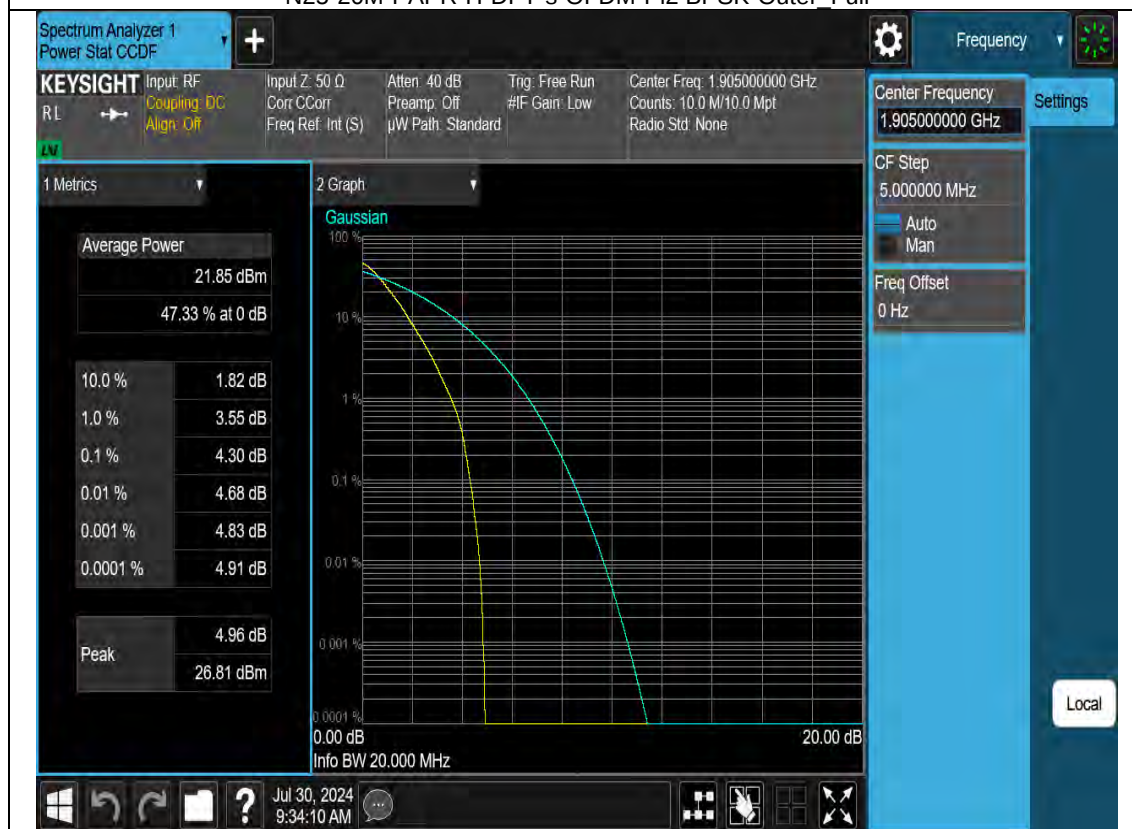
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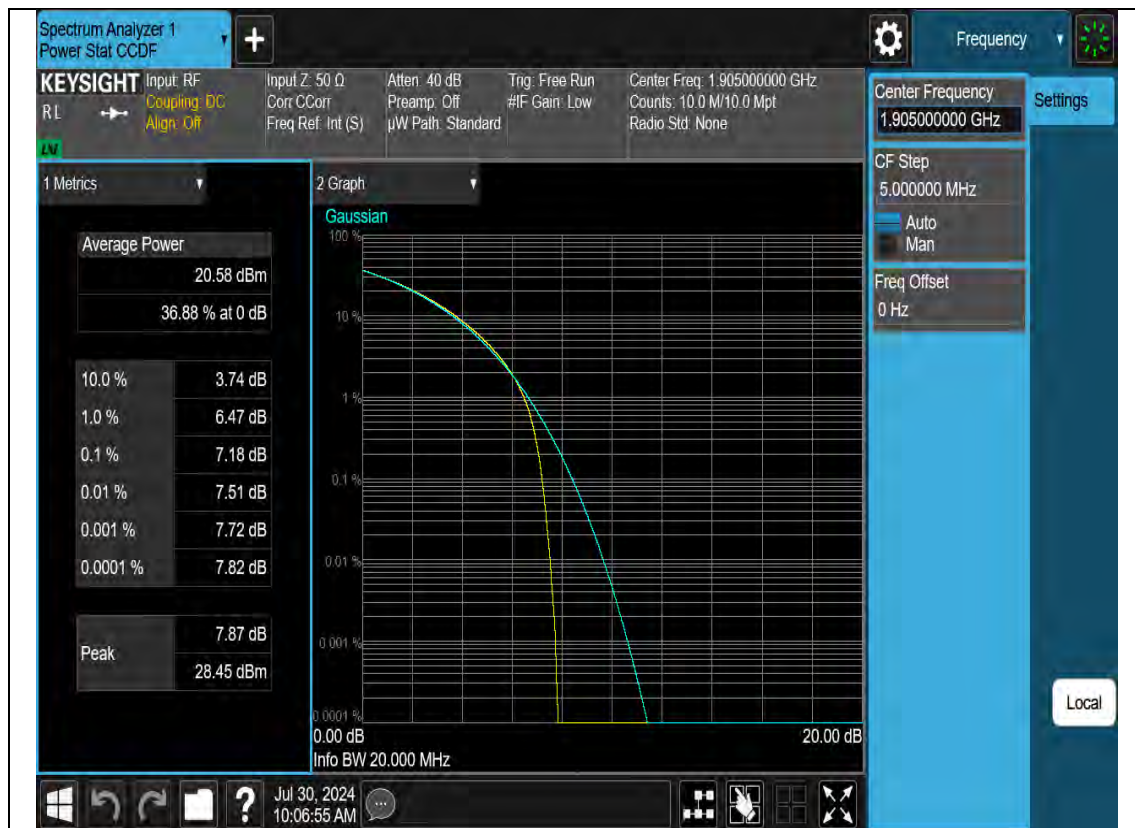
N25-20M-PAPR-M-CP-OFDM-QPSK-Outer Full



N25-20M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outter Full



N25-20M-PAPR-H-CP-OFDM-QPSK-Outter Full

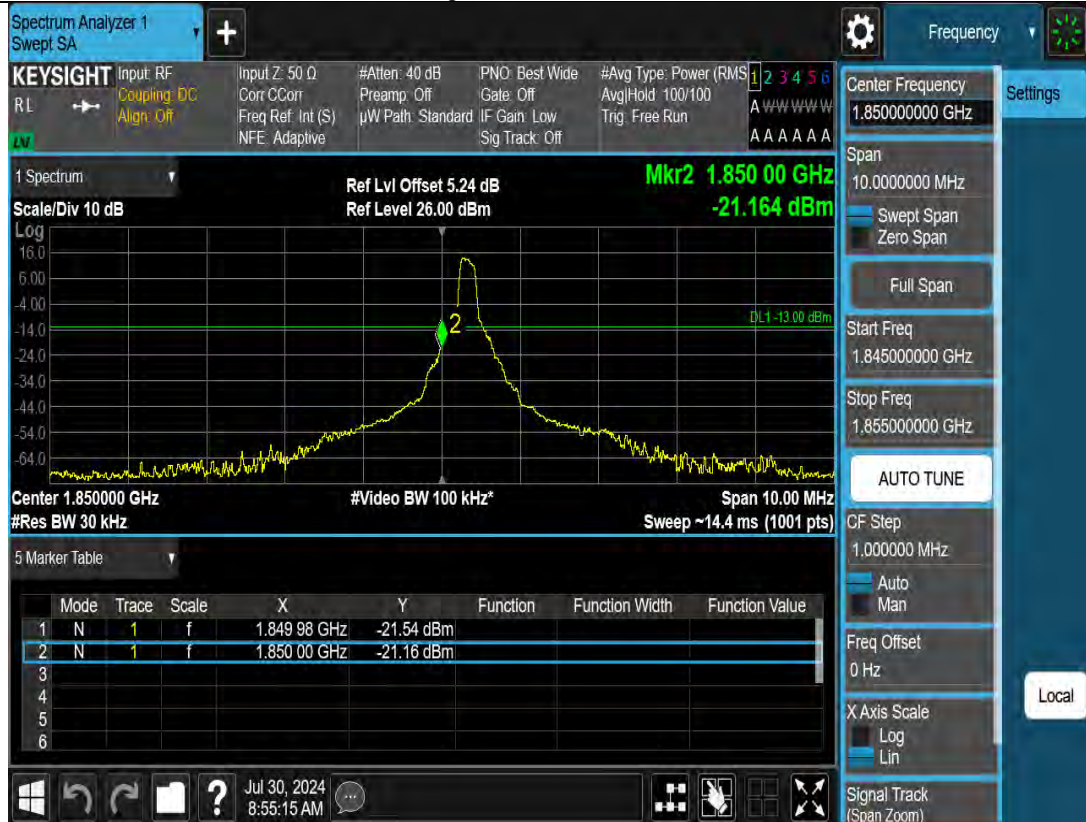


Bandedge

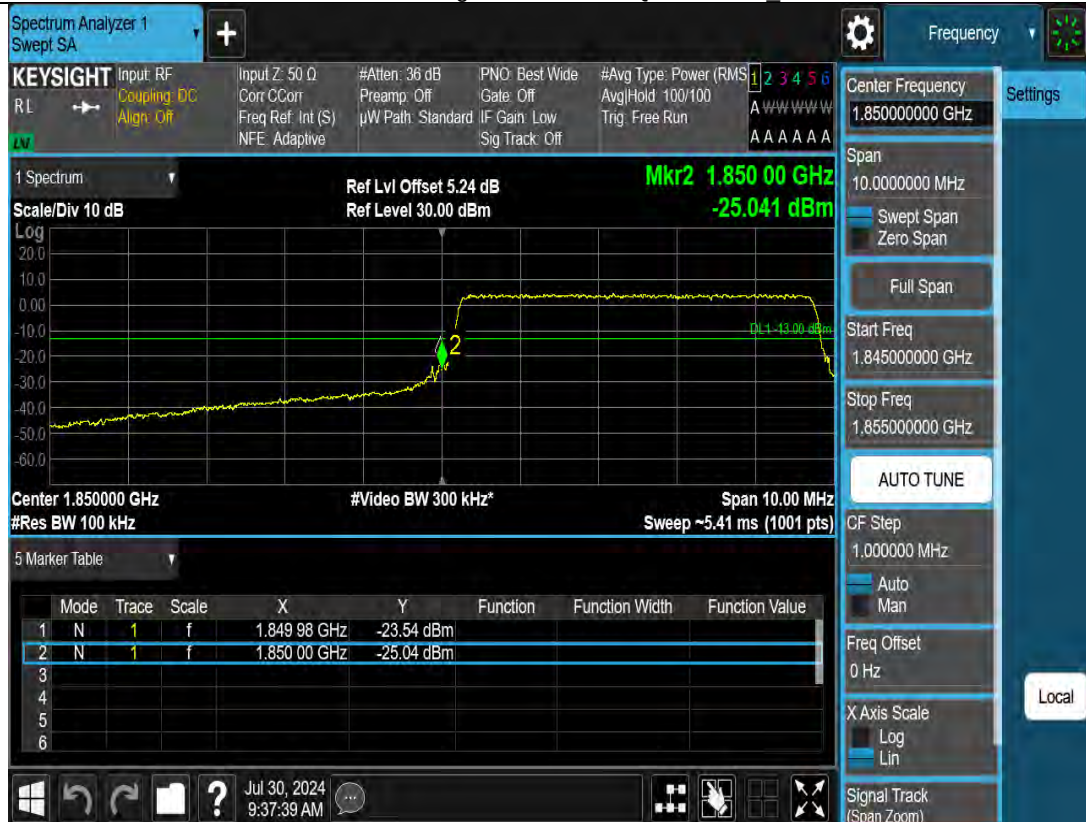
test graph



N25-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N25-5M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N25-5M-Bandedge-L-CP-OFDM-QPSK-1RB0



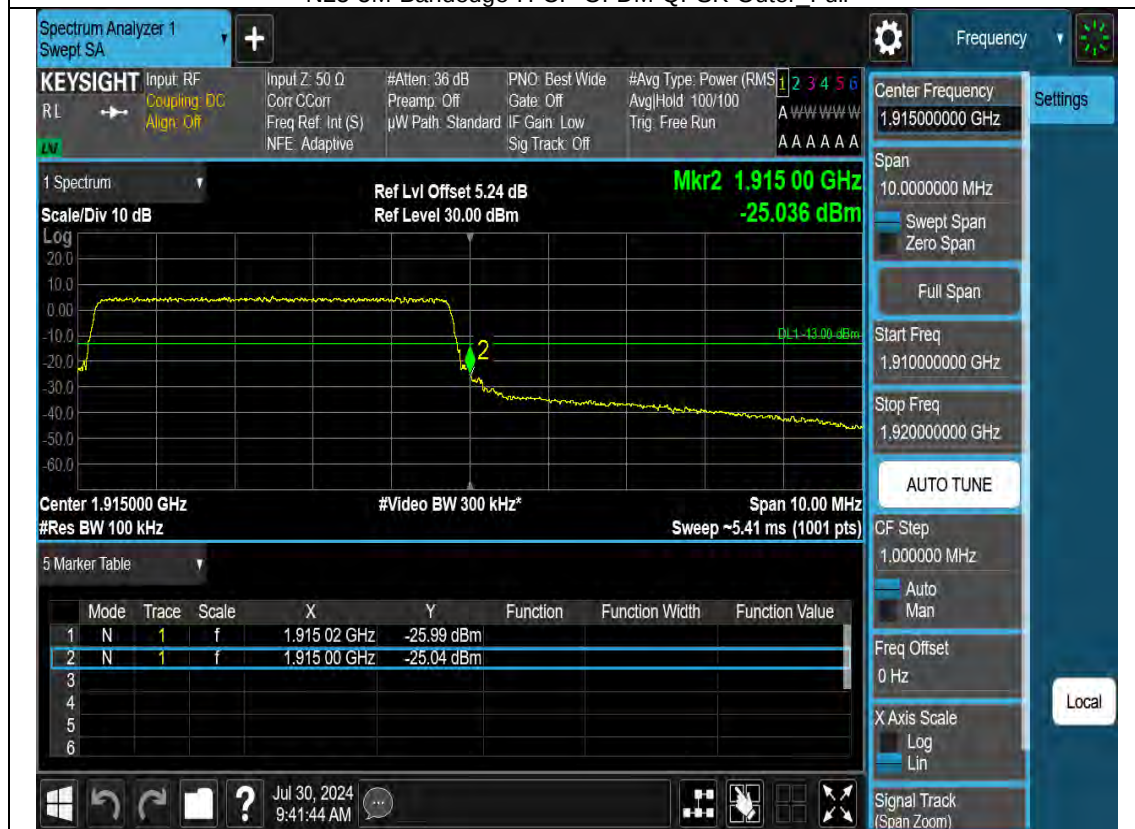
N25-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N25-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



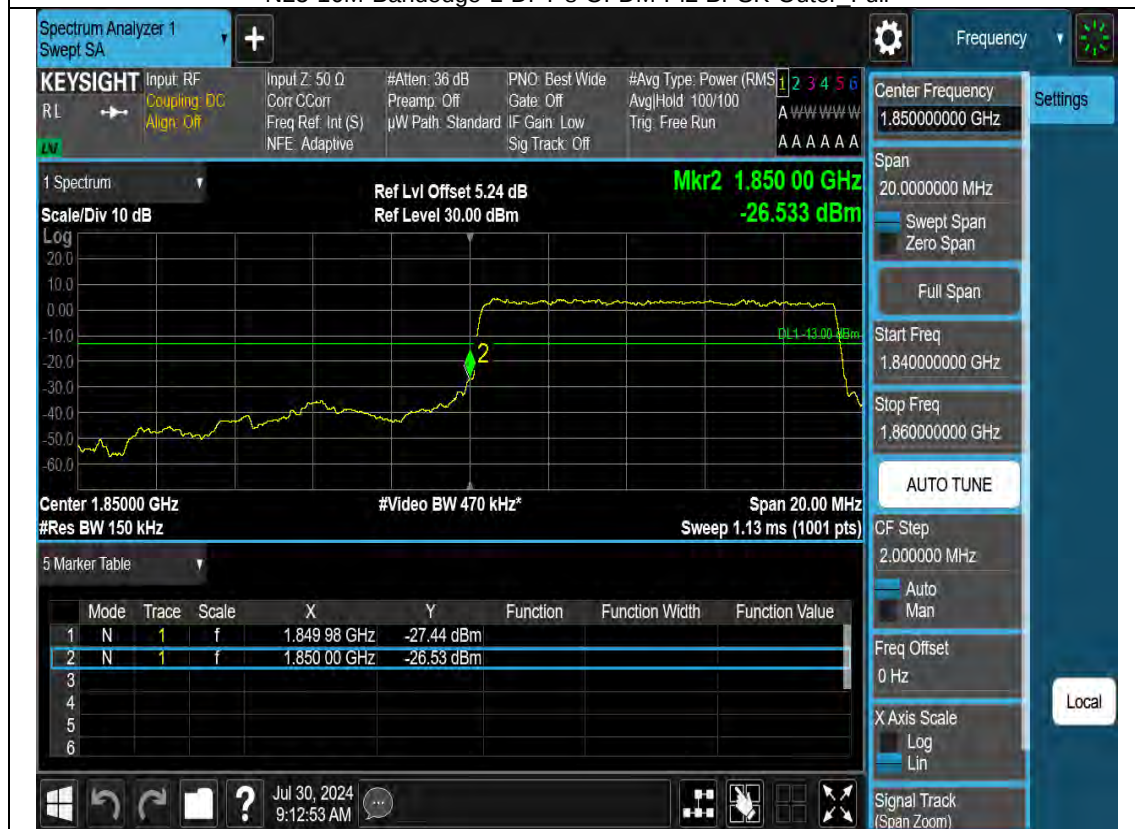
N25-5M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N25-5M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N25-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



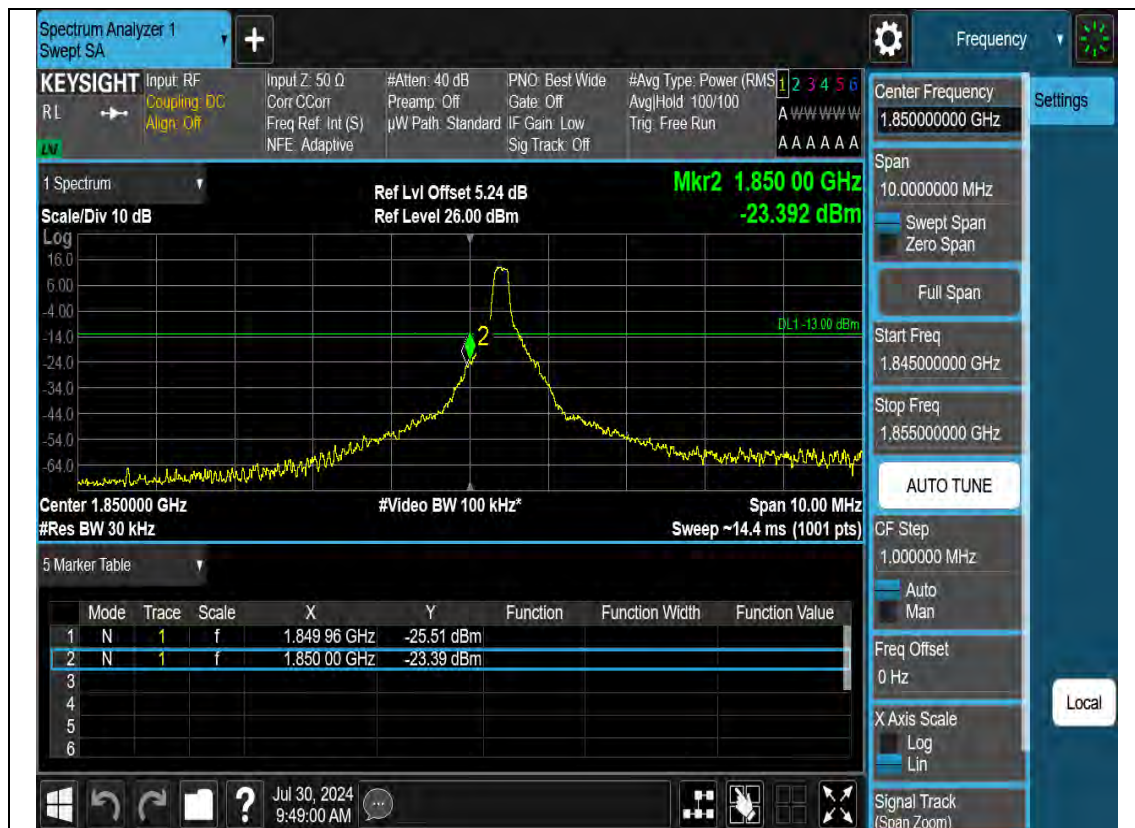
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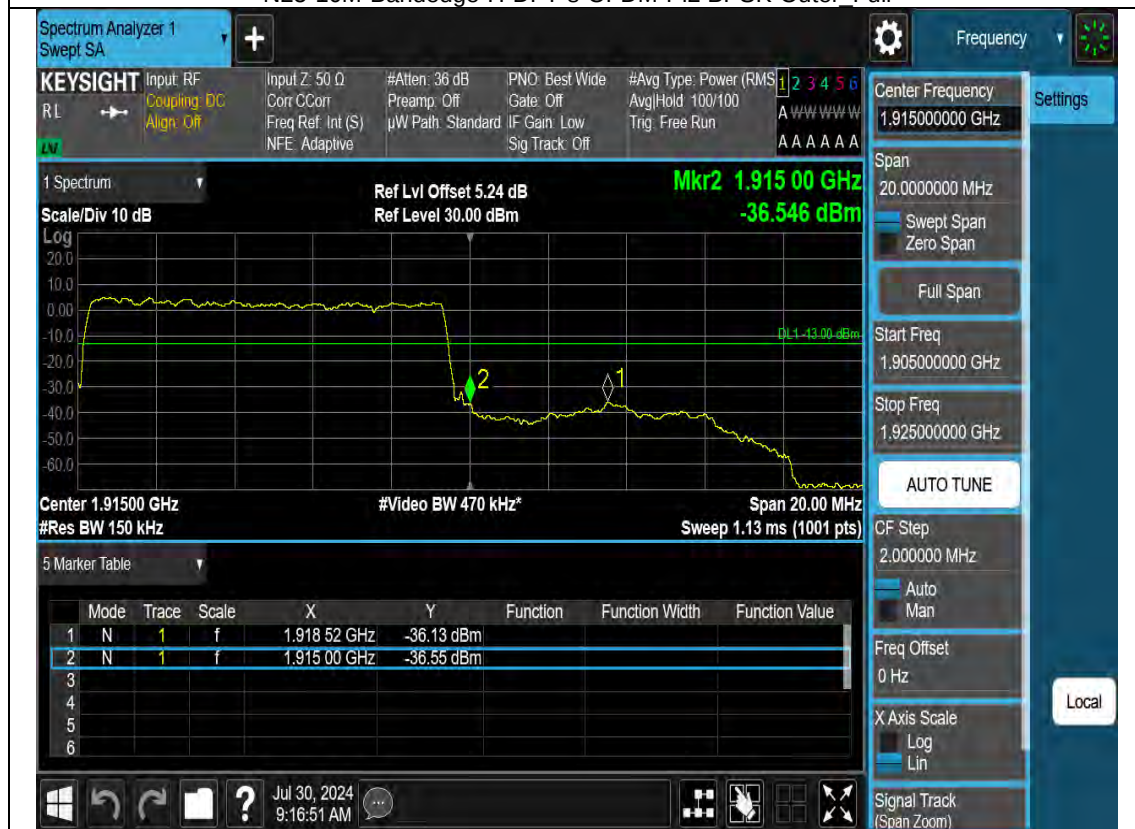
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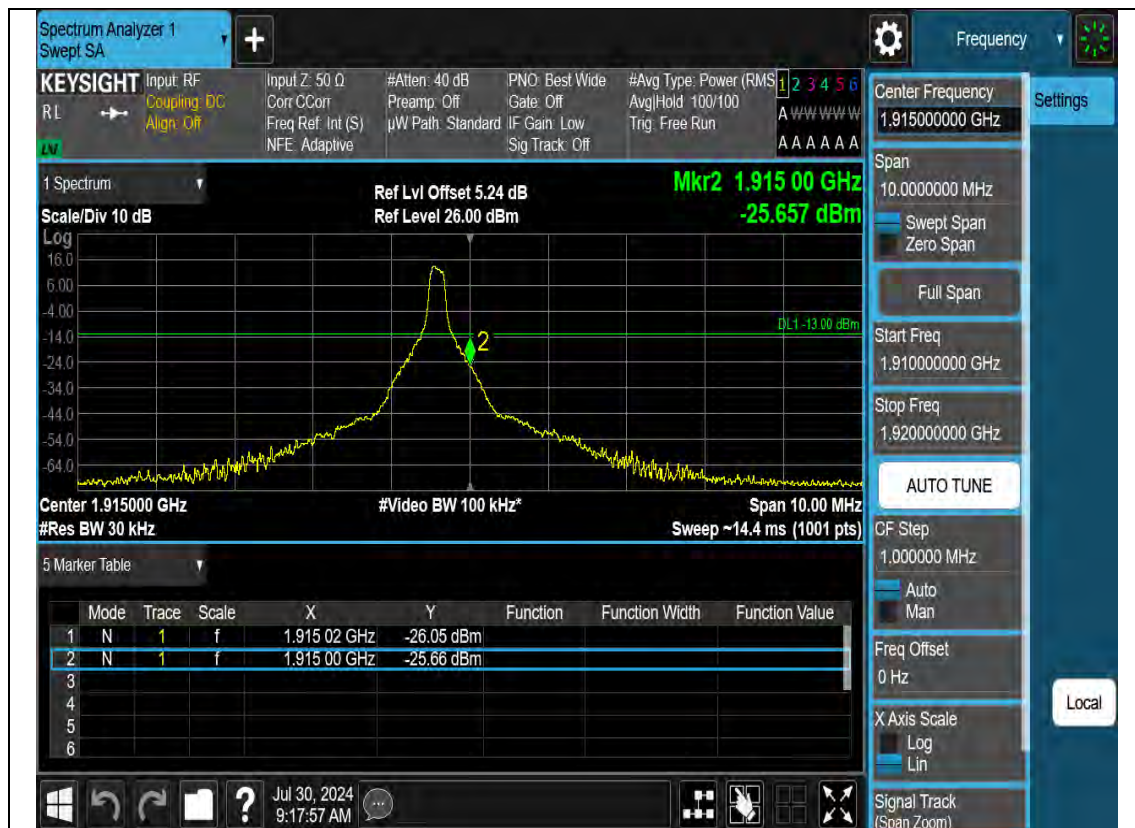
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N25-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



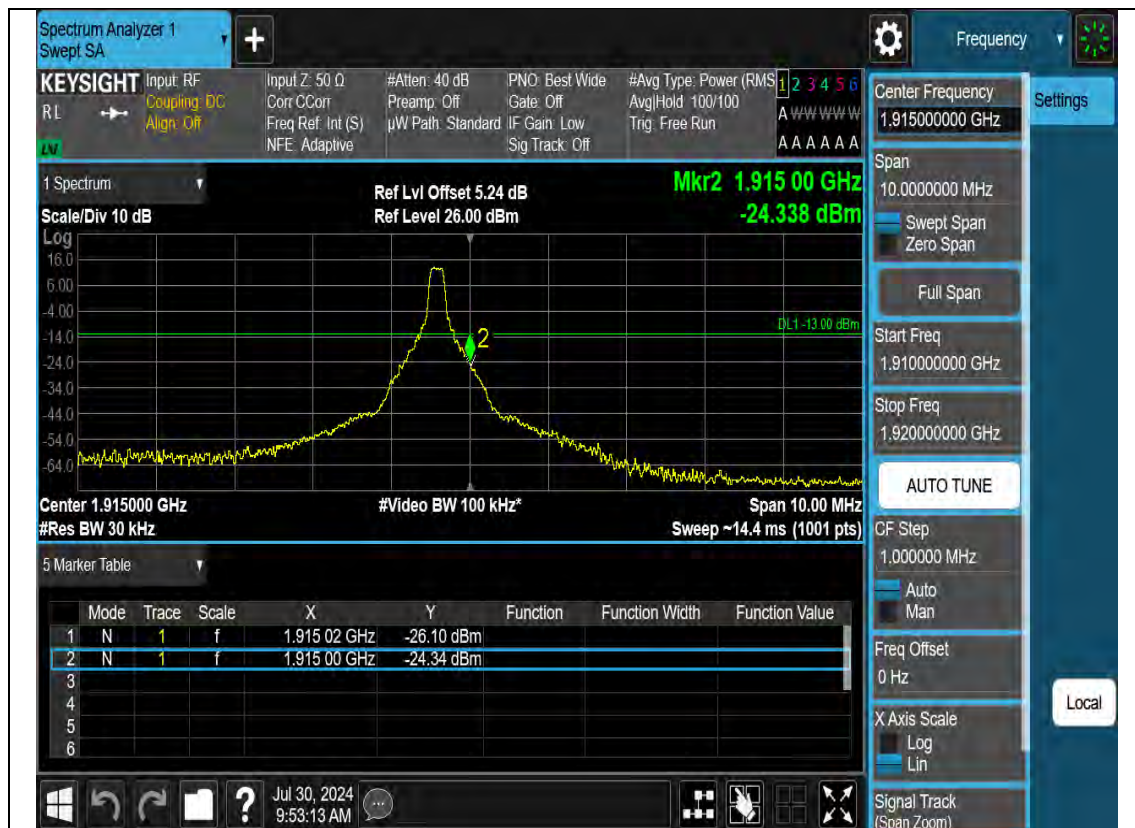
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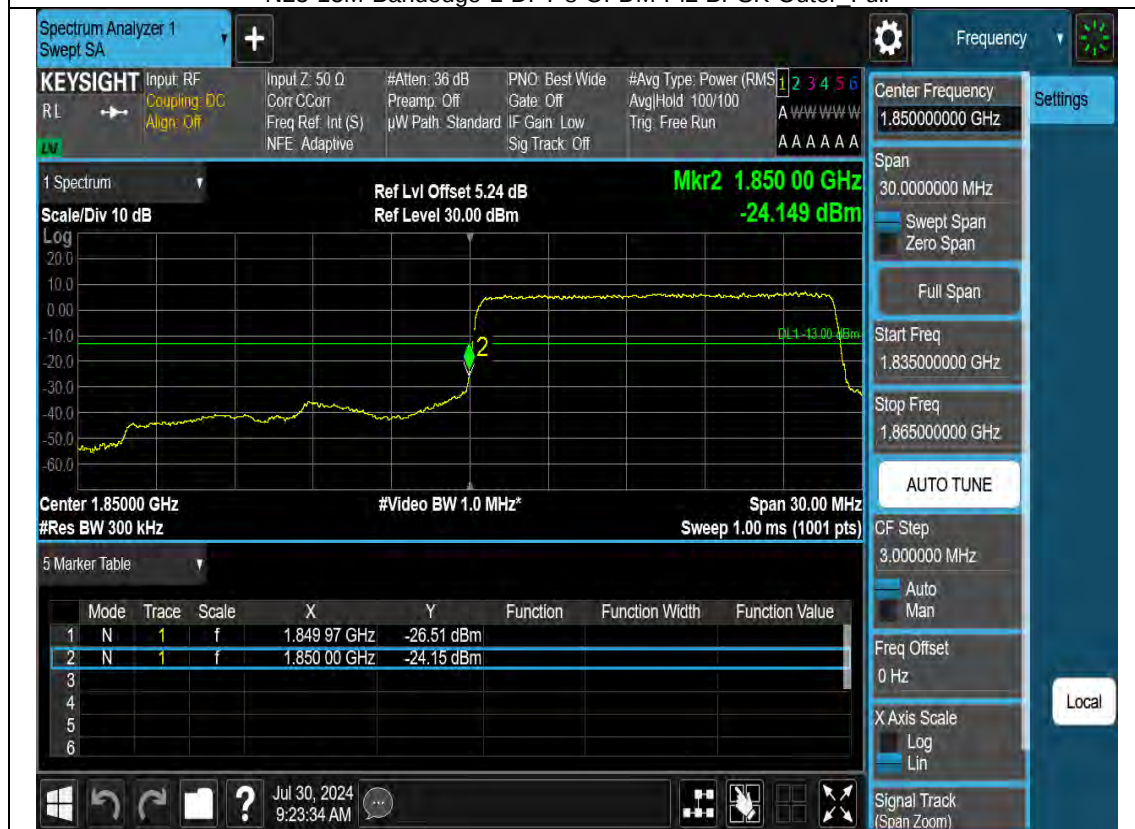
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N25-10M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



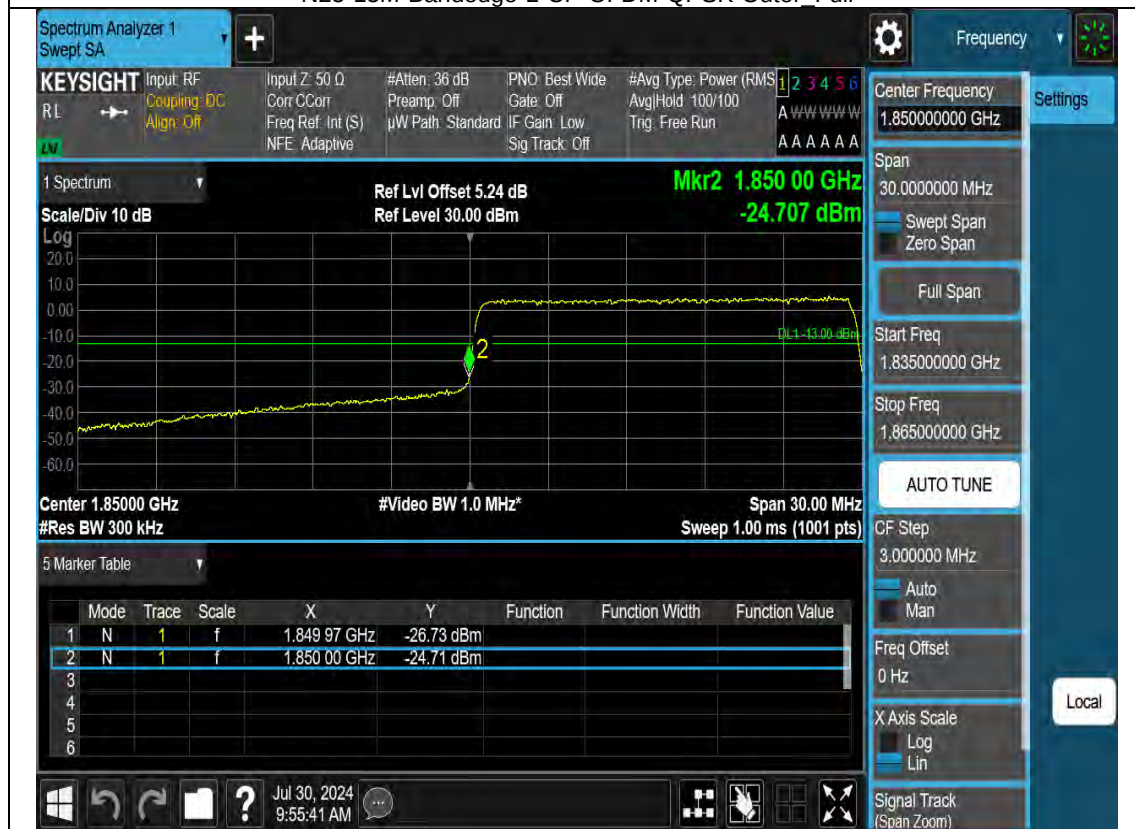
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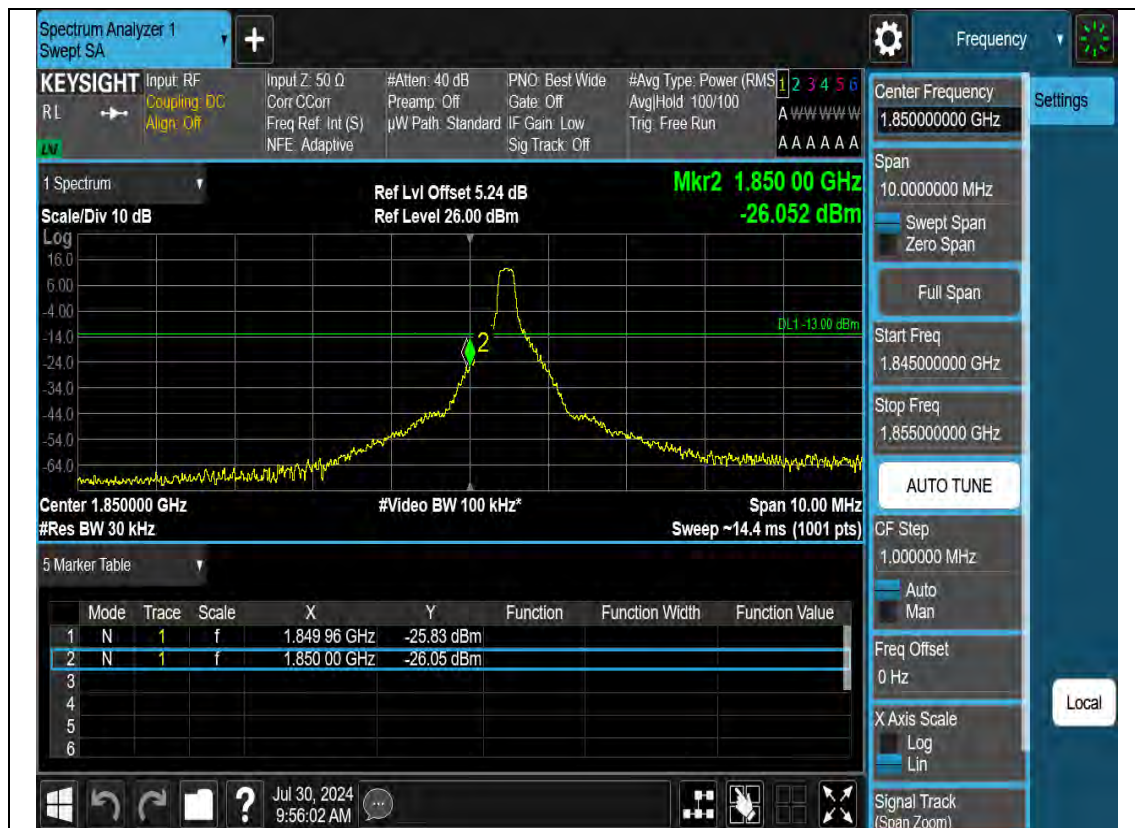
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N25-15M-Bandedge-L-CP-OFDM-QPSK-Outer Full



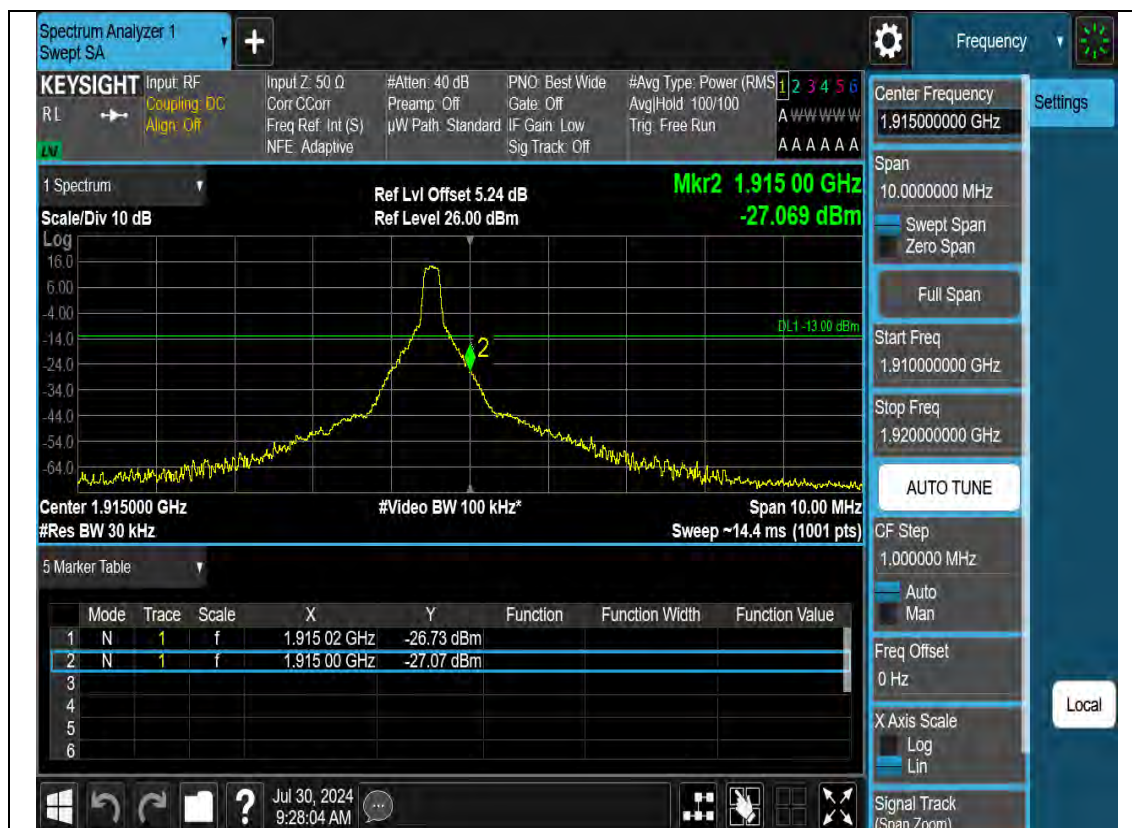
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N25-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



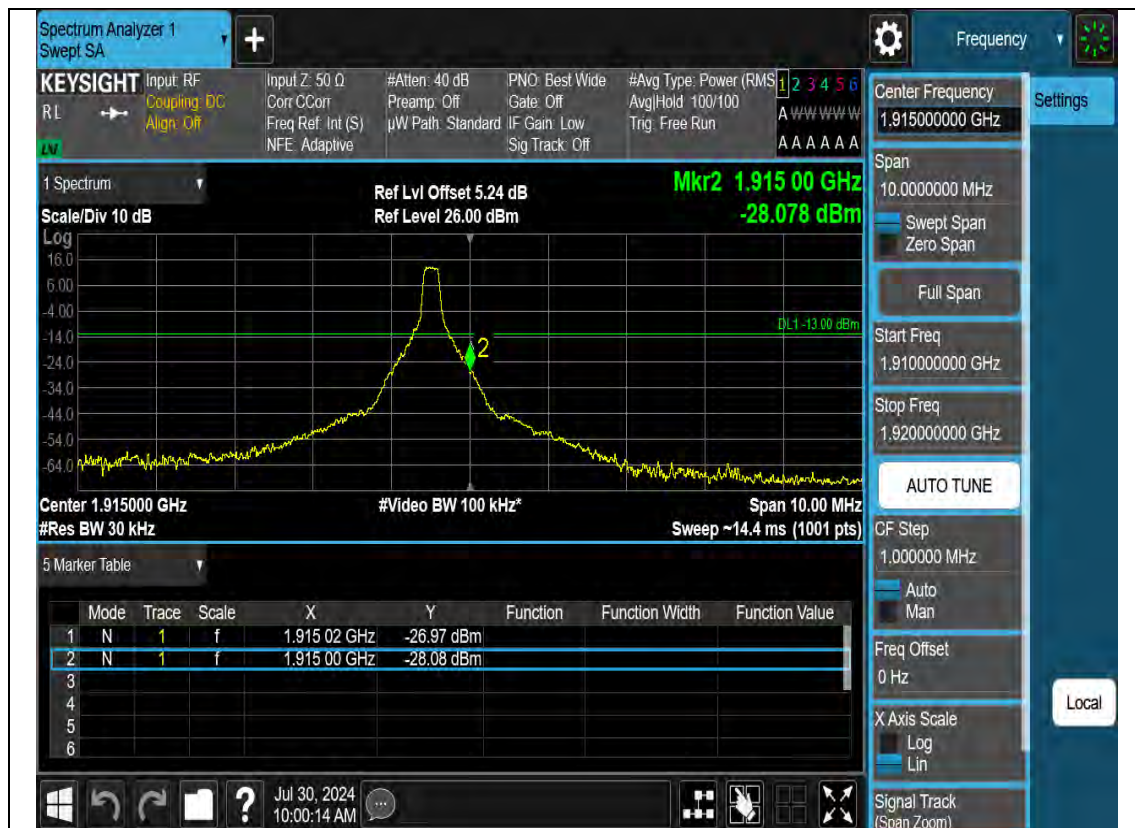
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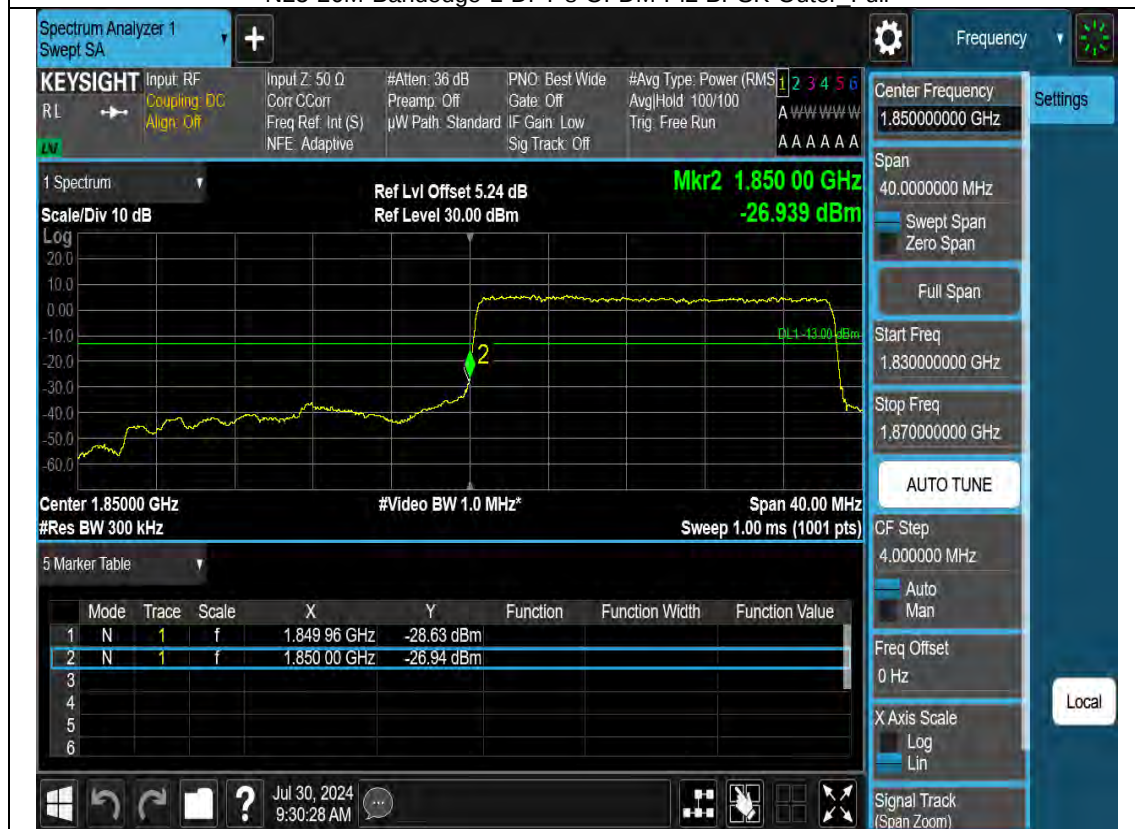
N25-15M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N25-15M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N25-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



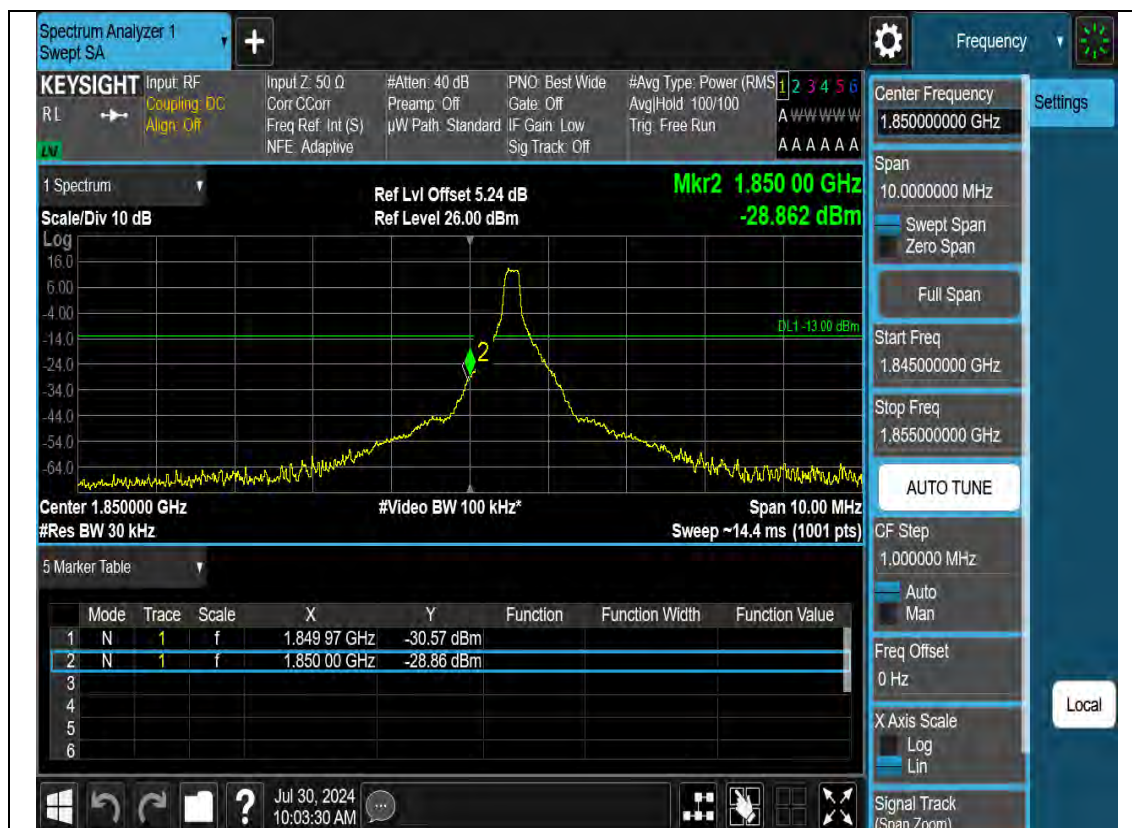
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N25-20M-Bandedge-L-CP-OFDM-QPSK-Outer Full



N25-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



N25-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N25-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N25-20M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N25-20M-Bandedge-H-CP-OFDM-QPSK-1RB MAX

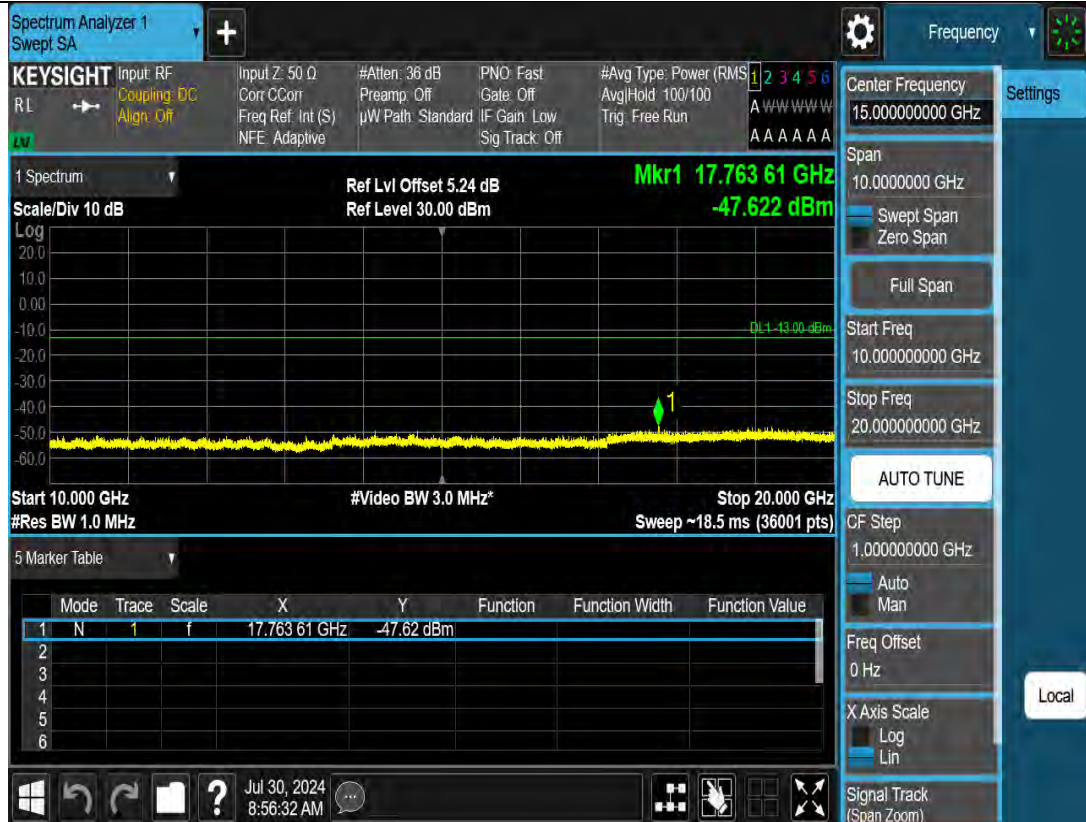


Conducted spurious emissions

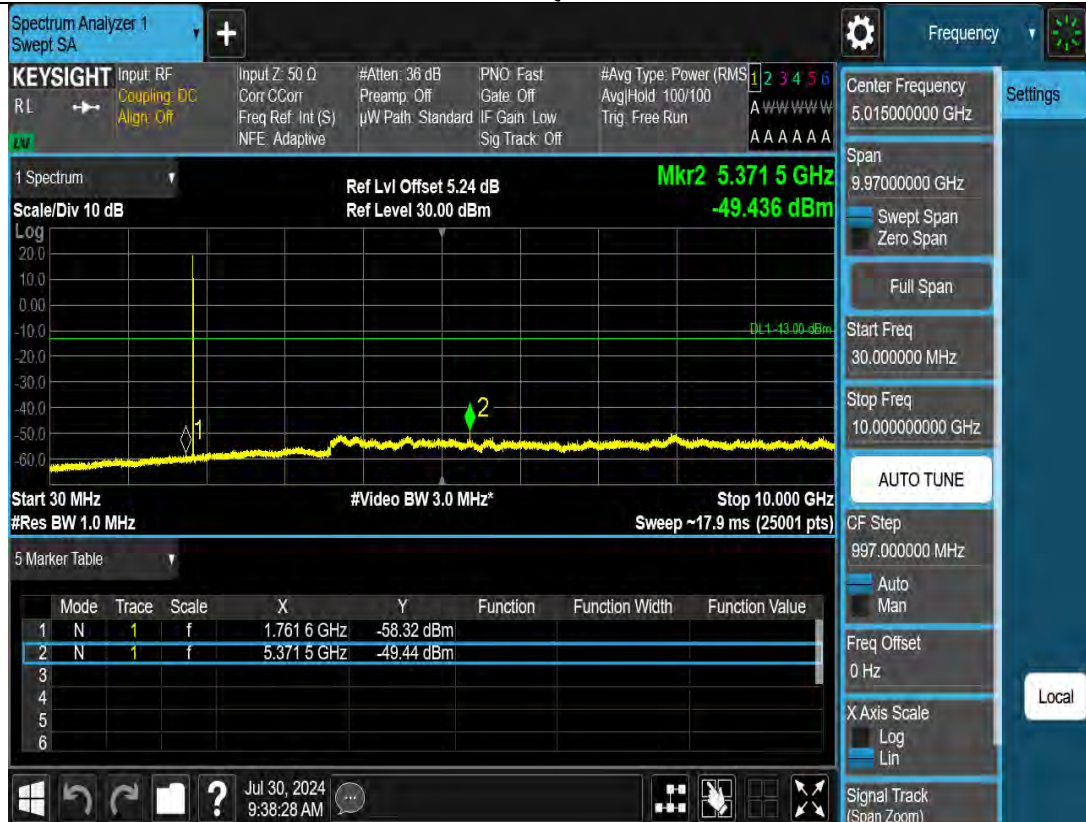
test graph



N25-5M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N25-5M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N25-5M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz



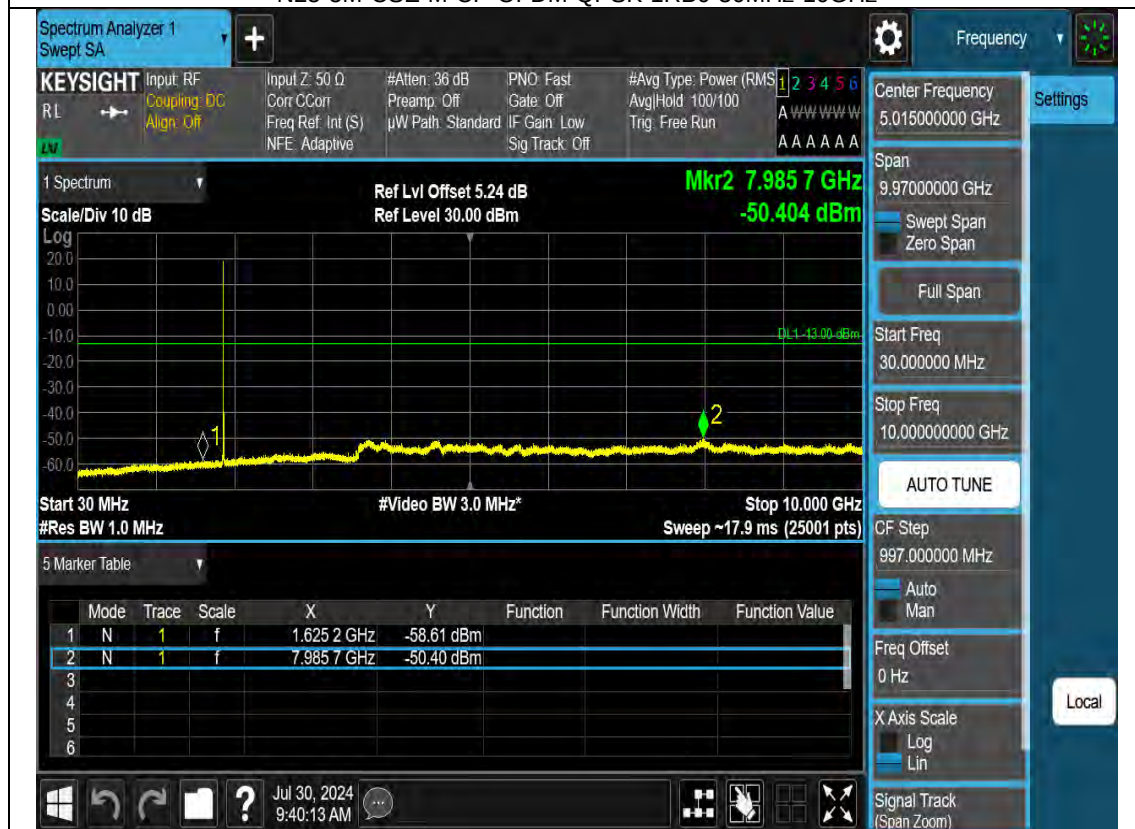
N25-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N25-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N25-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N25-5M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz



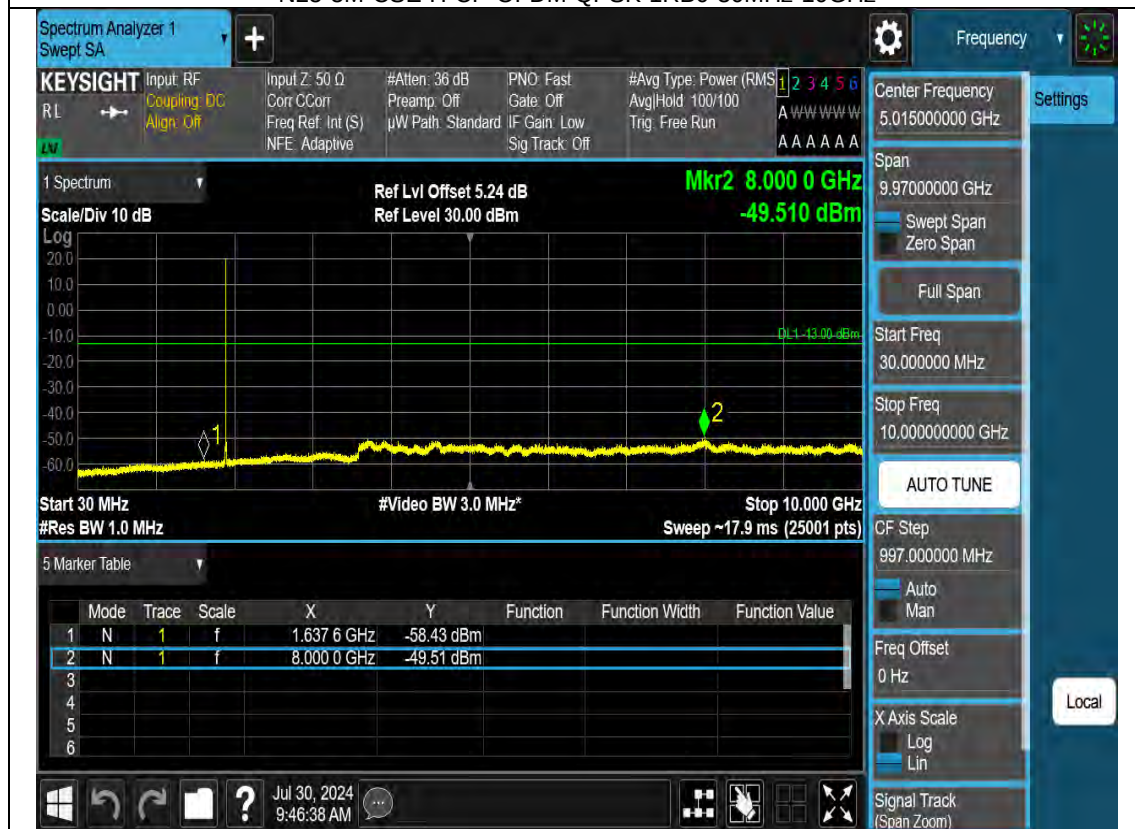
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N25-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



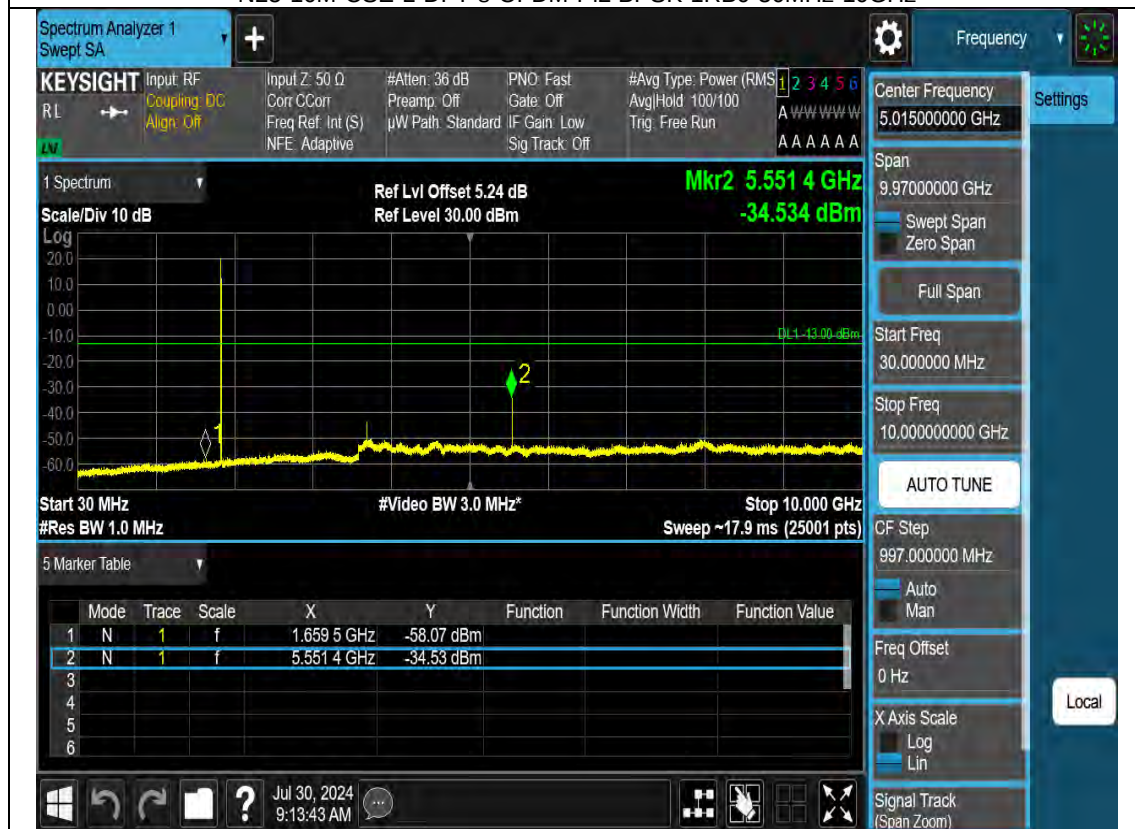
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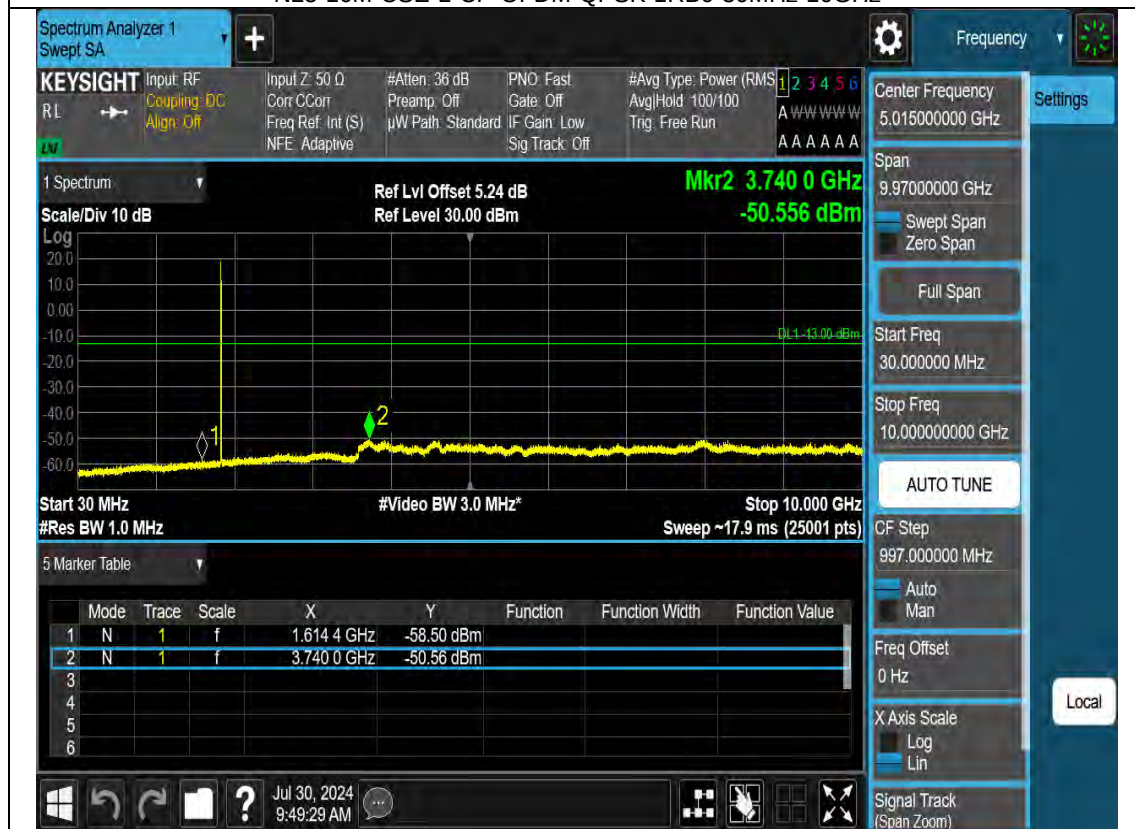
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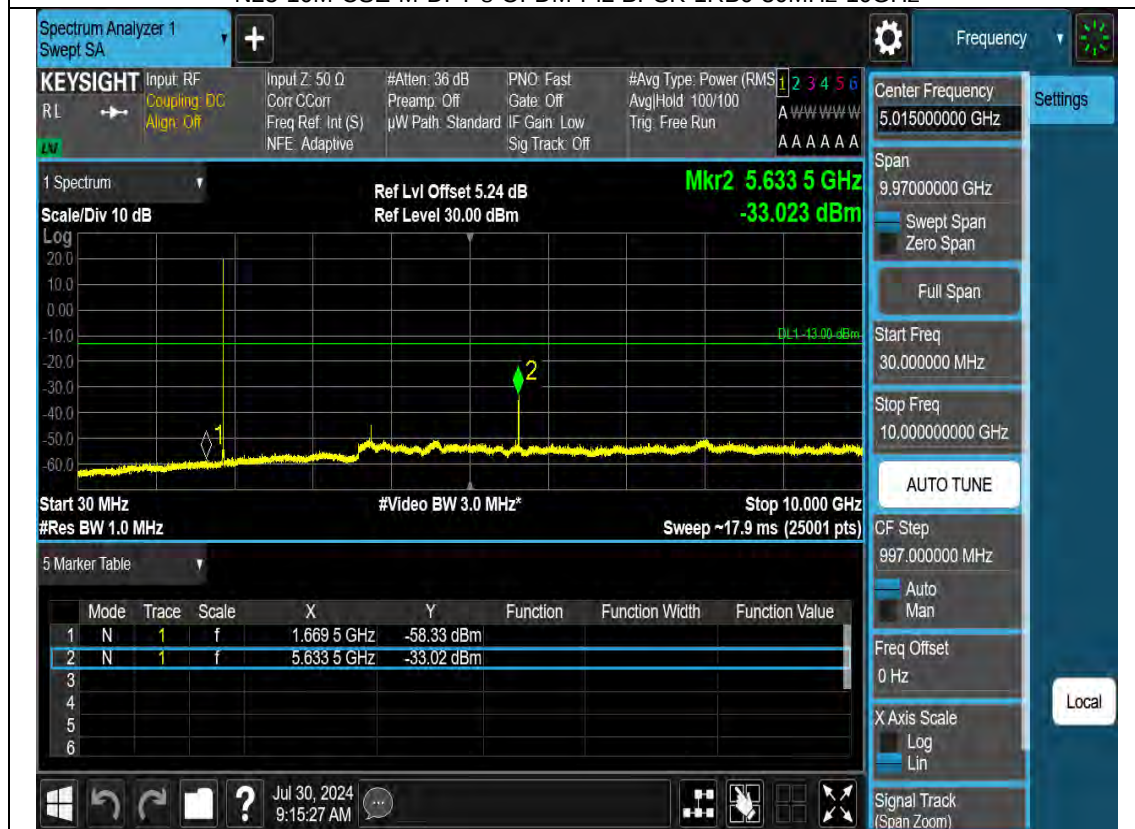
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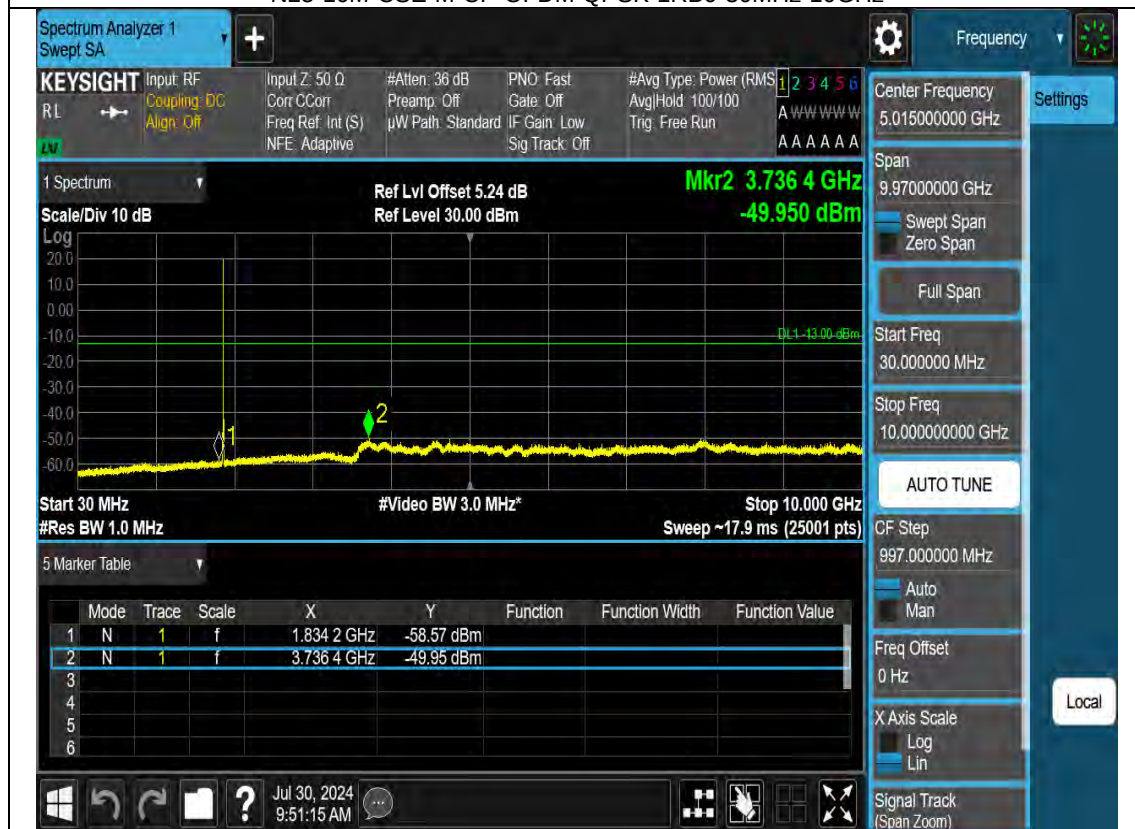
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N25-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N25-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N25-10M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz