99% & 26dB Bandwidth

Test Result

5G NR N5 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	4.5069	5.176	/	Pass
CP-OFDM QPSK		Outer_Full	4.4983	5.079	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.5024	5.104	/	Pass
CP-OFDM QPSK		Outer_Full	4.4888	5.224	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.5092	5.194	/	Pass
CP-OFDM QPSK		Outer_Full	4.4956	5.138	/	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	8.9567	9.777	/	Pass
CP-OFDM QPSK		Outer_Full	9.3409	10.17	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.9341	9.674	/	Pass
CP-OFDM QPSK		Outer_Full	9.3009	10.1	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.9477	9.523	/	Pass
CP-OFDM QPSK		Outer_Full	9.3341	10.06	/	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	13.546	14.4	/	Pass
CP-OFDM QPSK		Outer_Full	14.155	15.15	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.501	14.42	/	Pass
CP-OFDM QPSK		Outer_Full	14.151	15.14	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.496	14.57	/	Pass
CP-OFDM QPSK		Outer_Full	14.146	15.18	/	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	17.902	18.83	/	Pass
CP-OFDM QPSK		Outer_Full	19.016	20.11	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.939	18.92	/	Pass
CP-OFDM QPSK		Outer_Full	18.939	20.08	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.94	19.08	/	Pass
CP-OFDM QPSK		Outer_Full	18.983	19.93	/	Pass

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	3.83	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.44	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.01	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.41	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.72	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.43	<=13	Pass

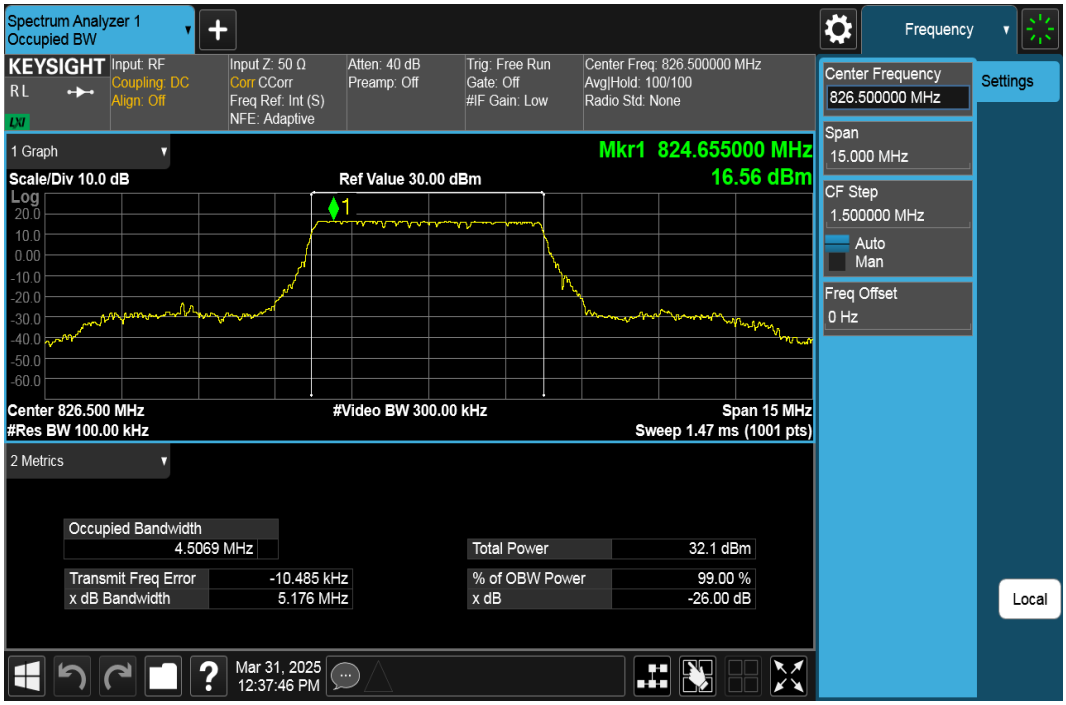
5G NR N5 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.02	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.62	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.74	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.34	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.86	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.6	<=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	3.77	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.43	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.72	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.4	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.01	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.57	<=13	Pass

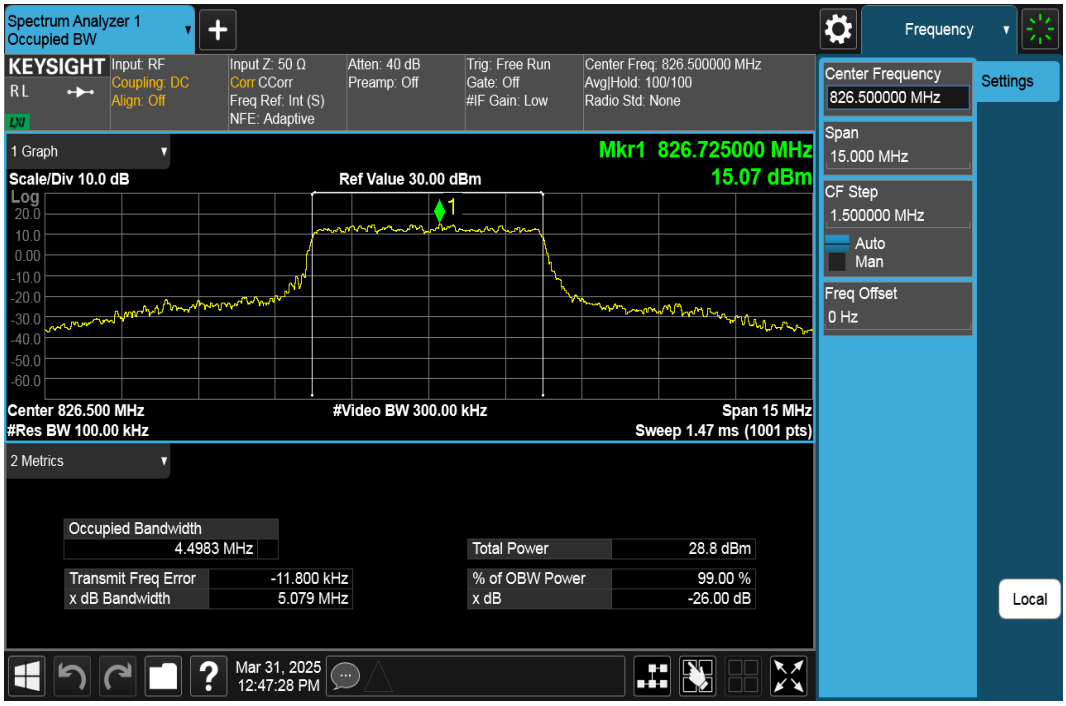
5G NR N5 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.02	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.99	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.92	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.91	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.14	<=13	Pass

OBW Test Graph

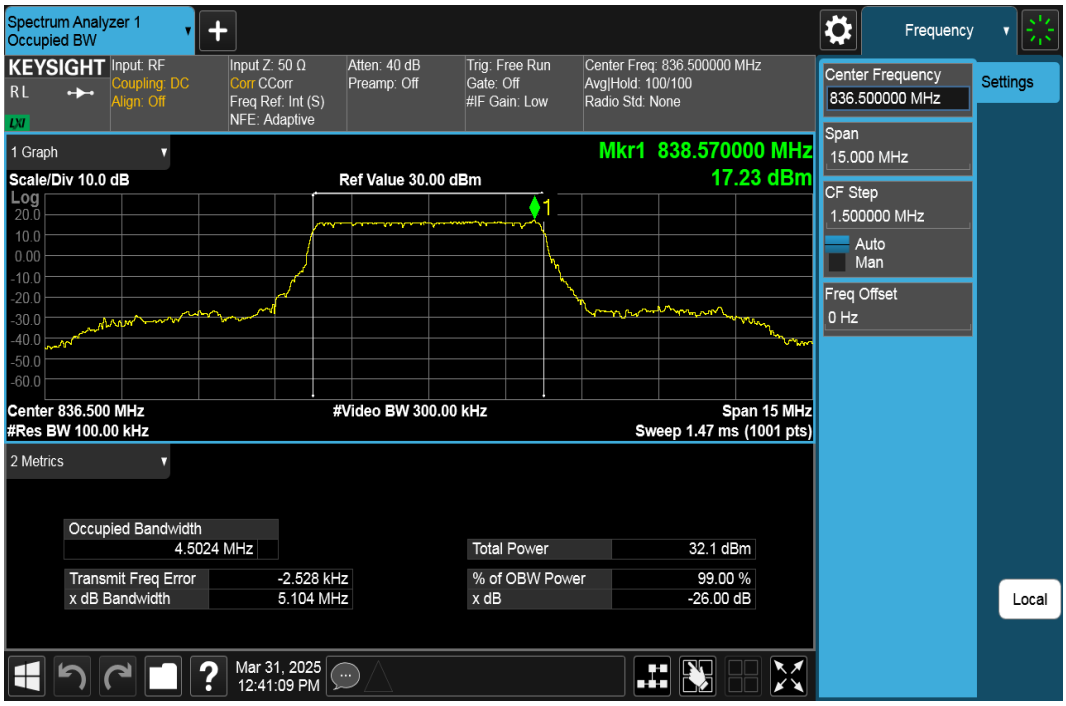
N5-5M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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



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



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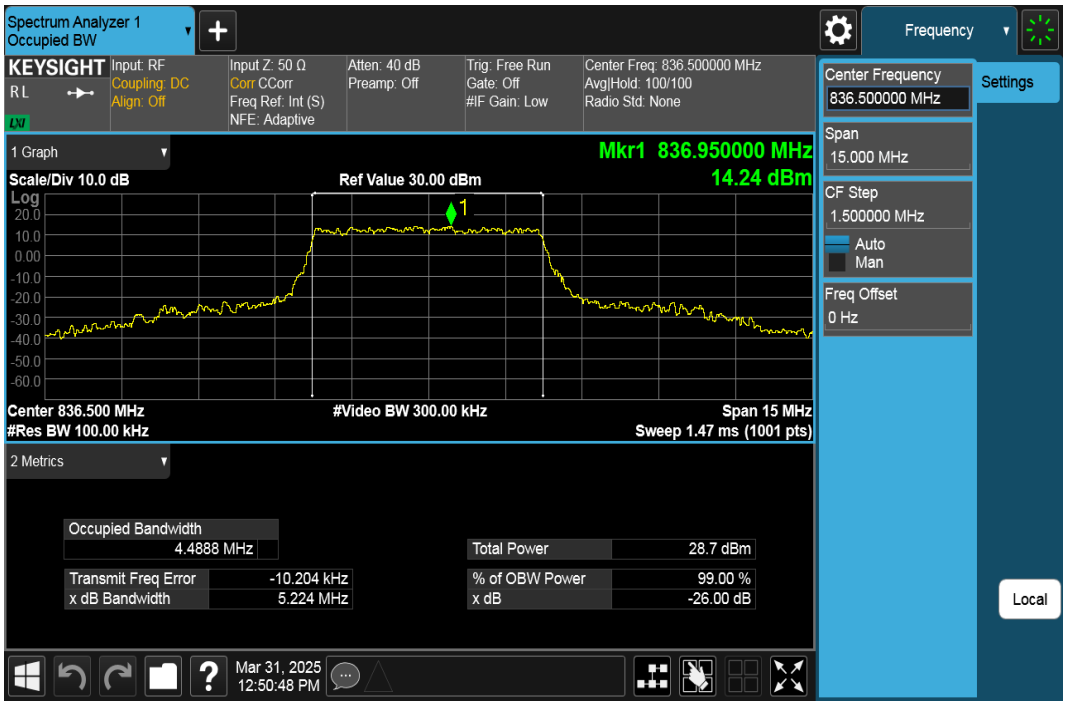

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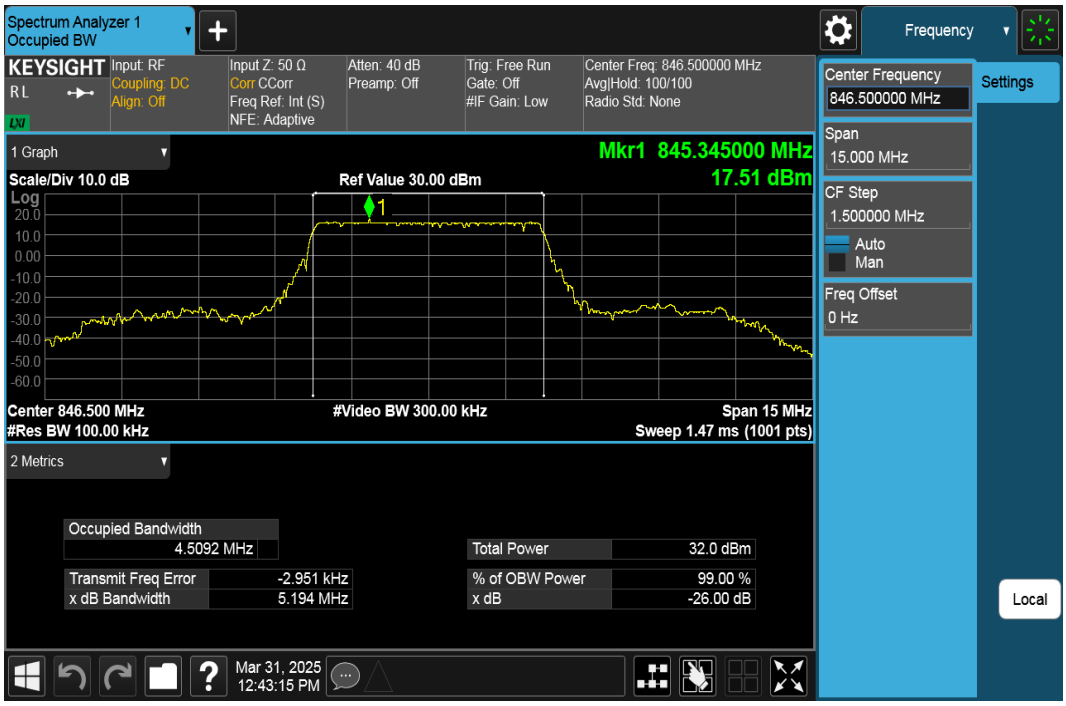

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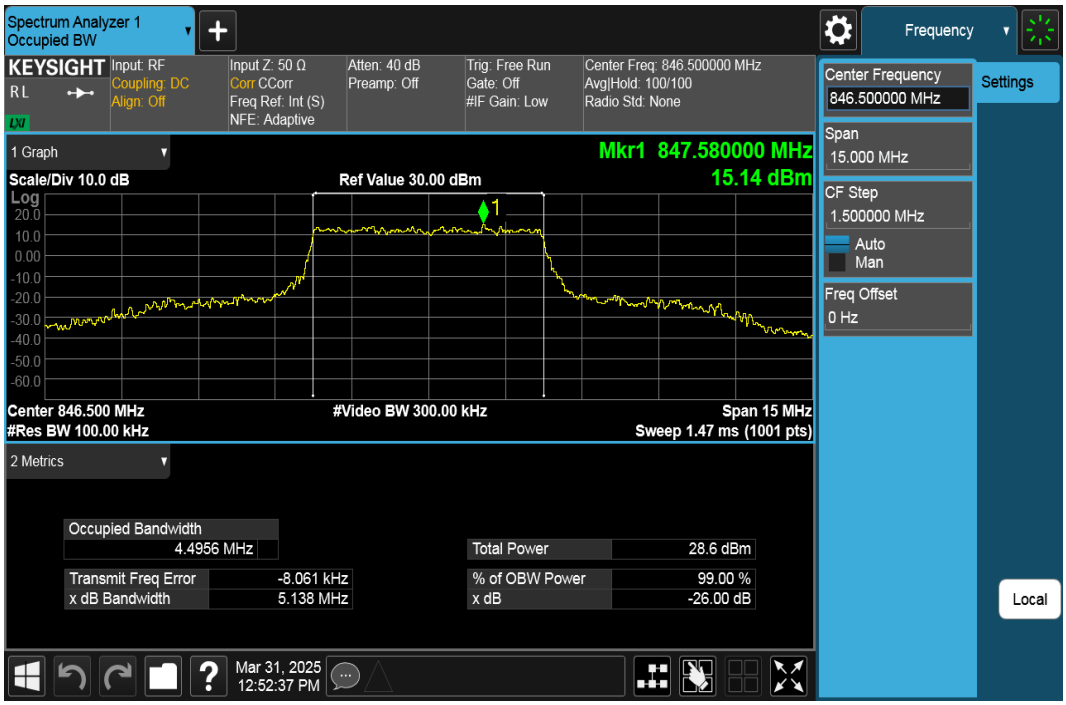
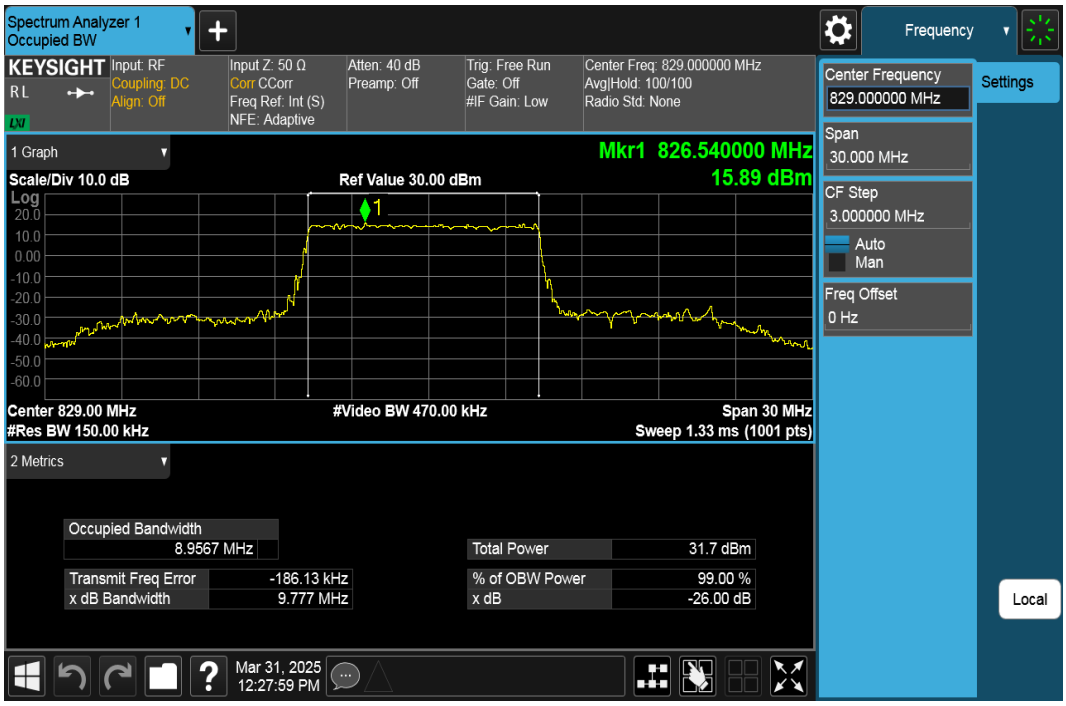


N5-10M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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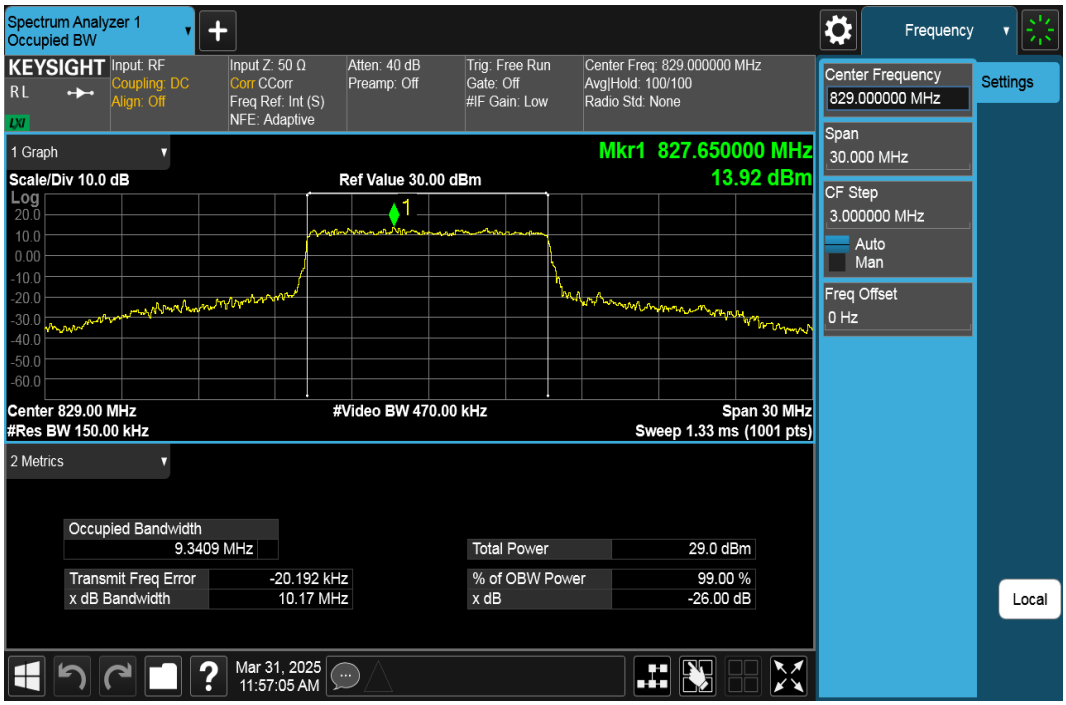

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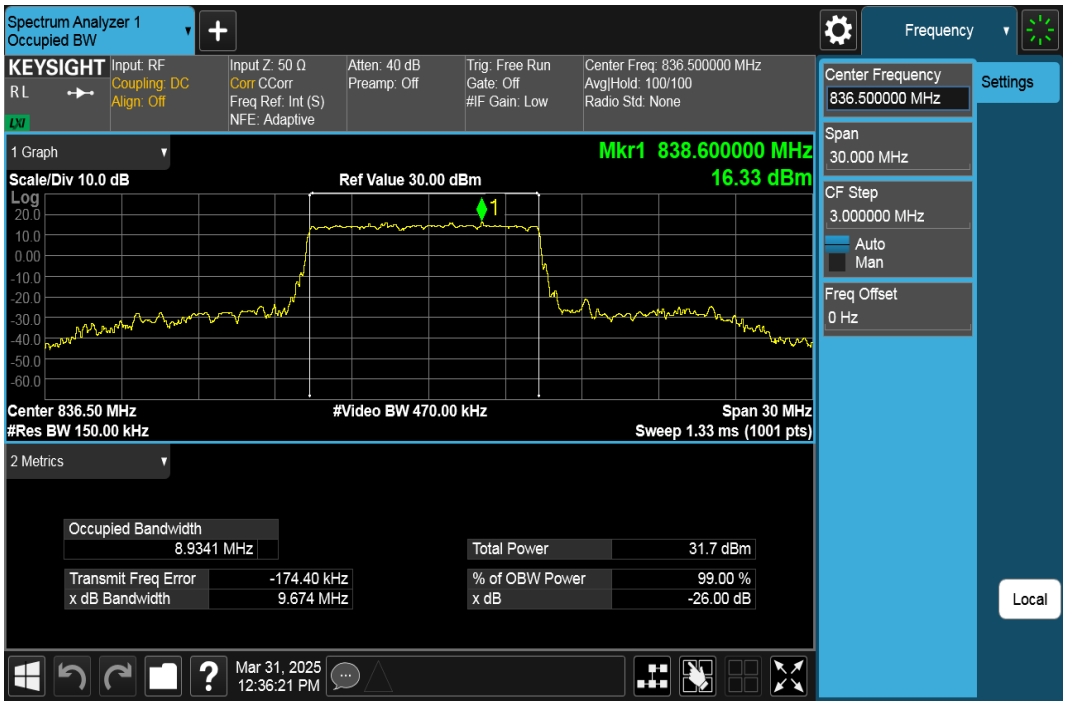

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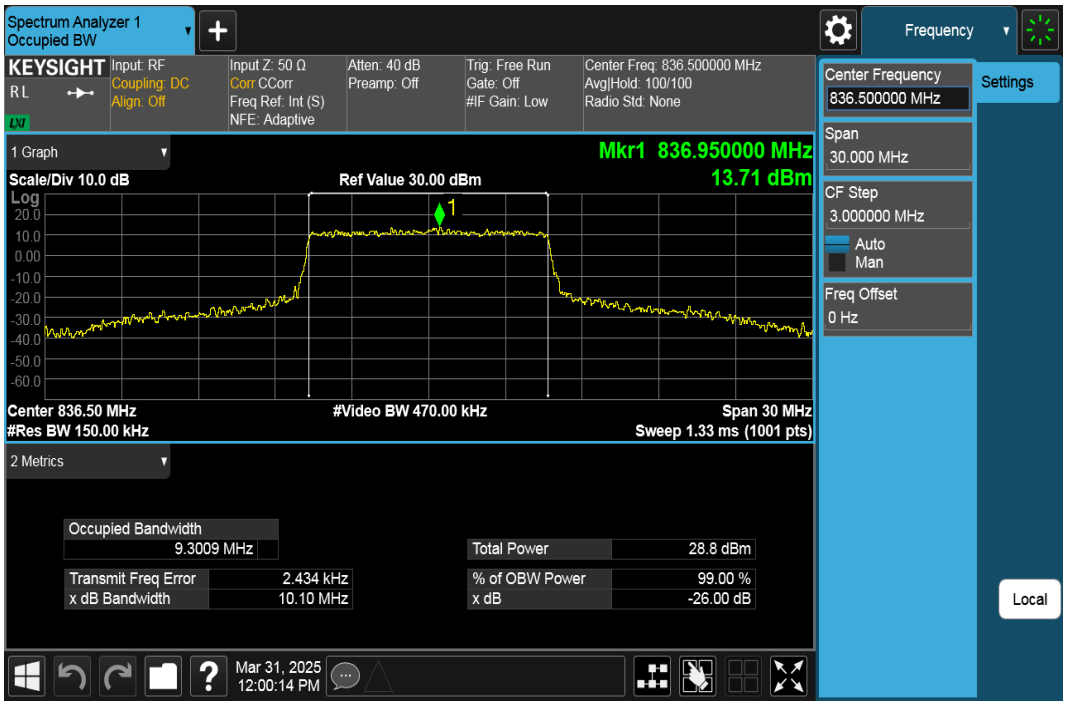

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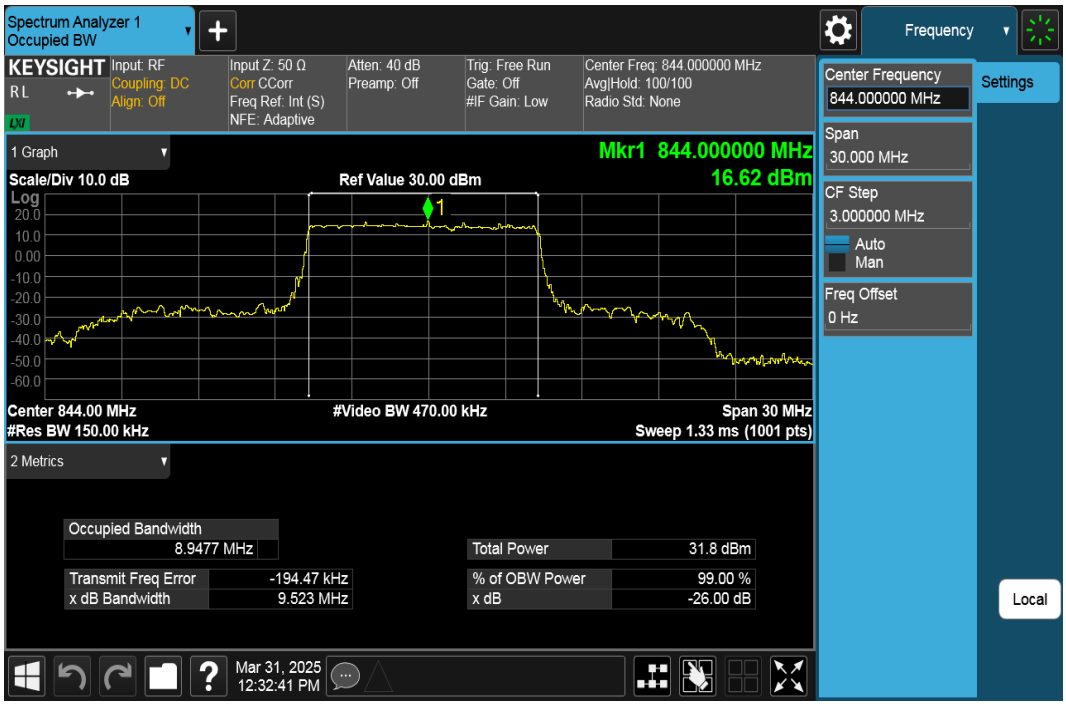

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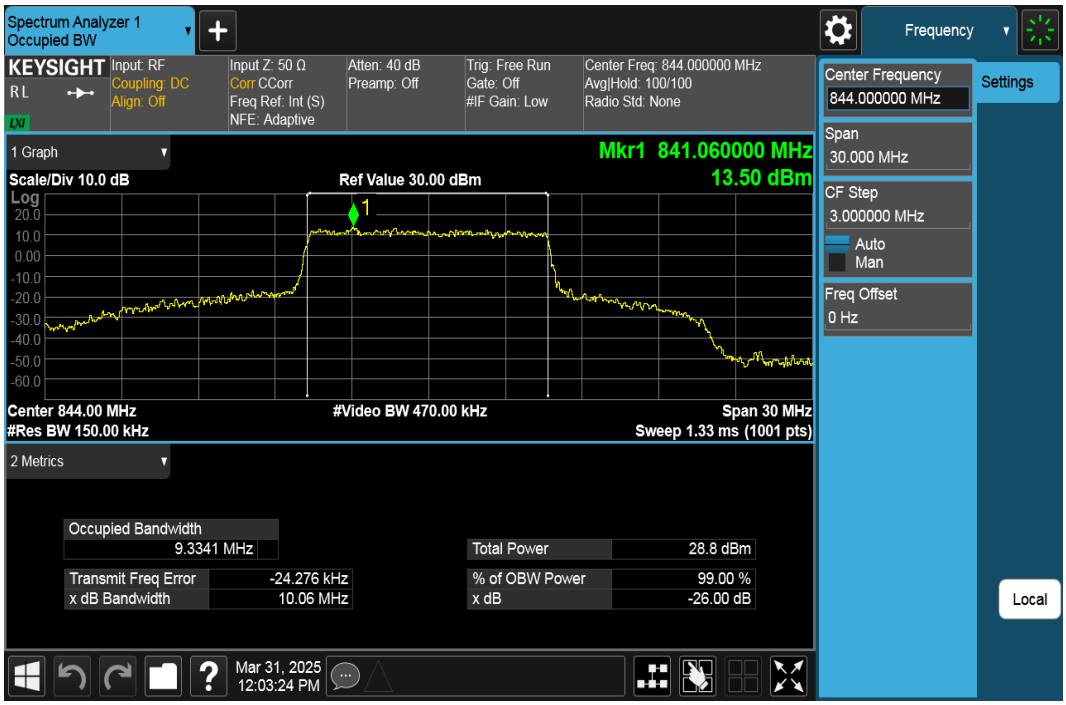

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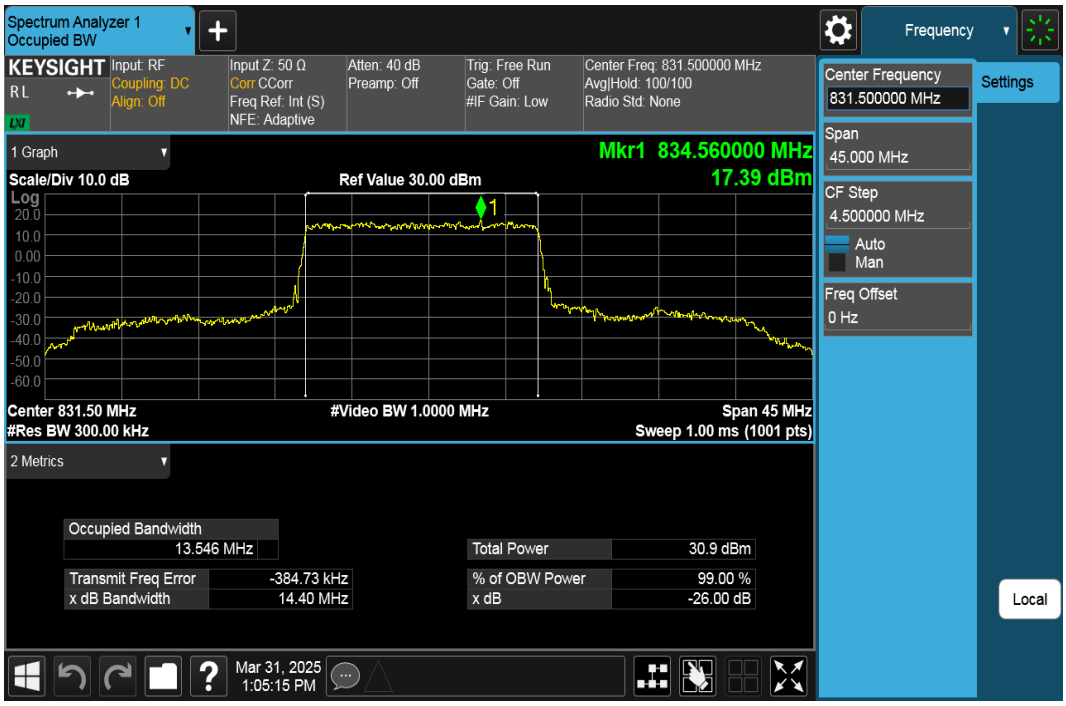

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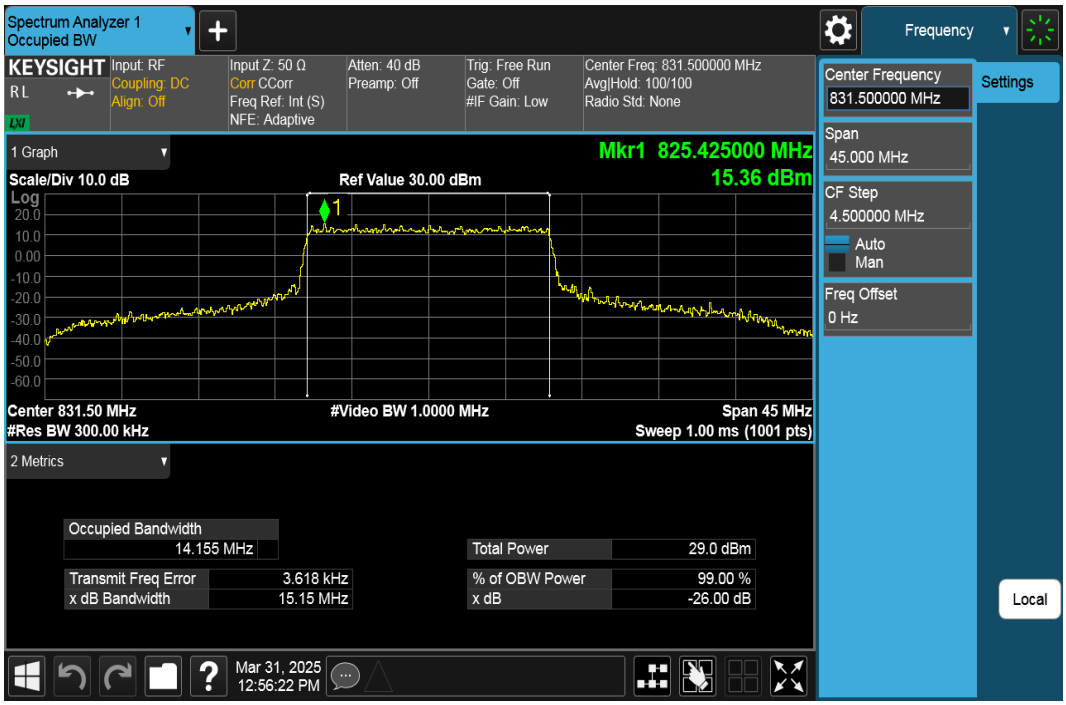

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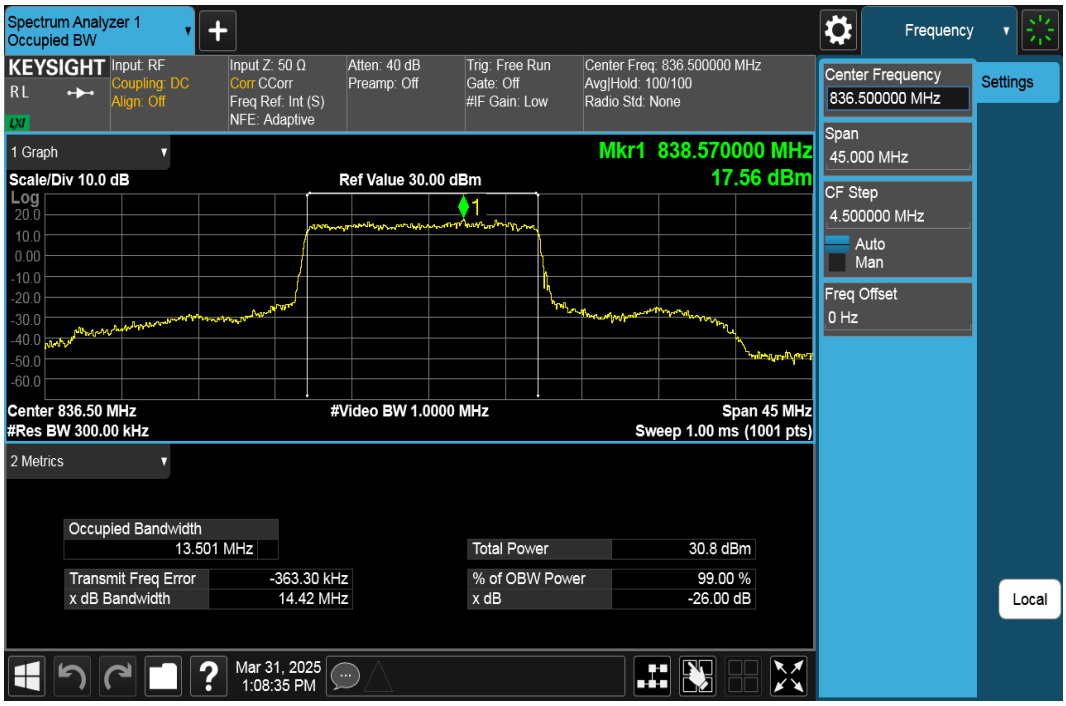

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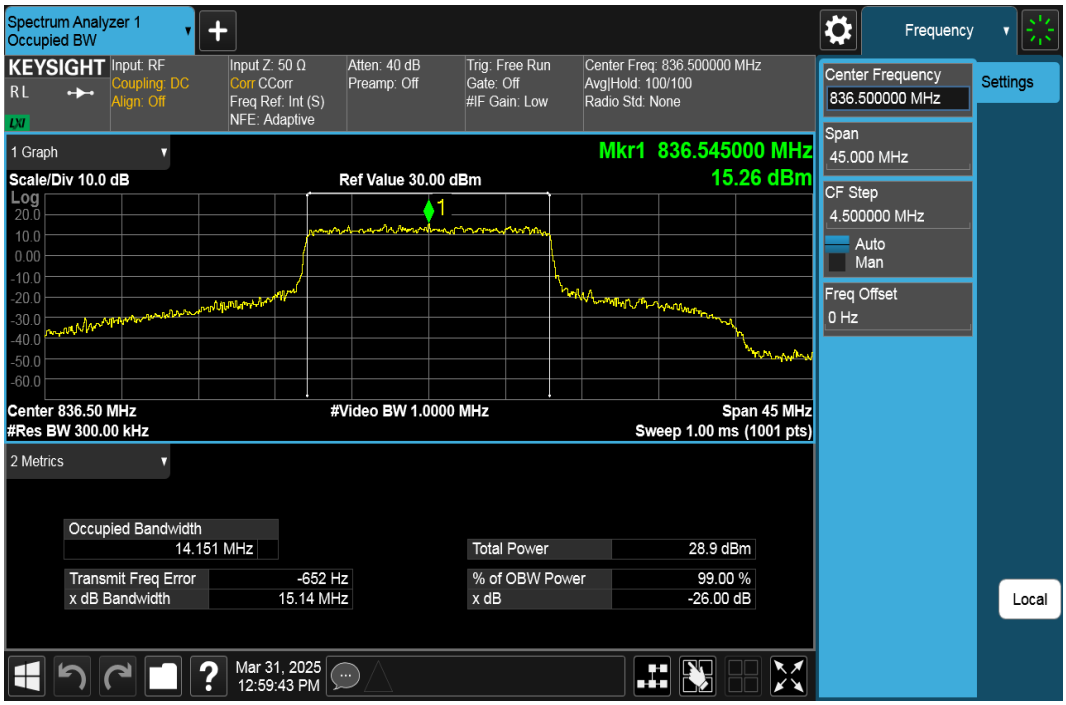

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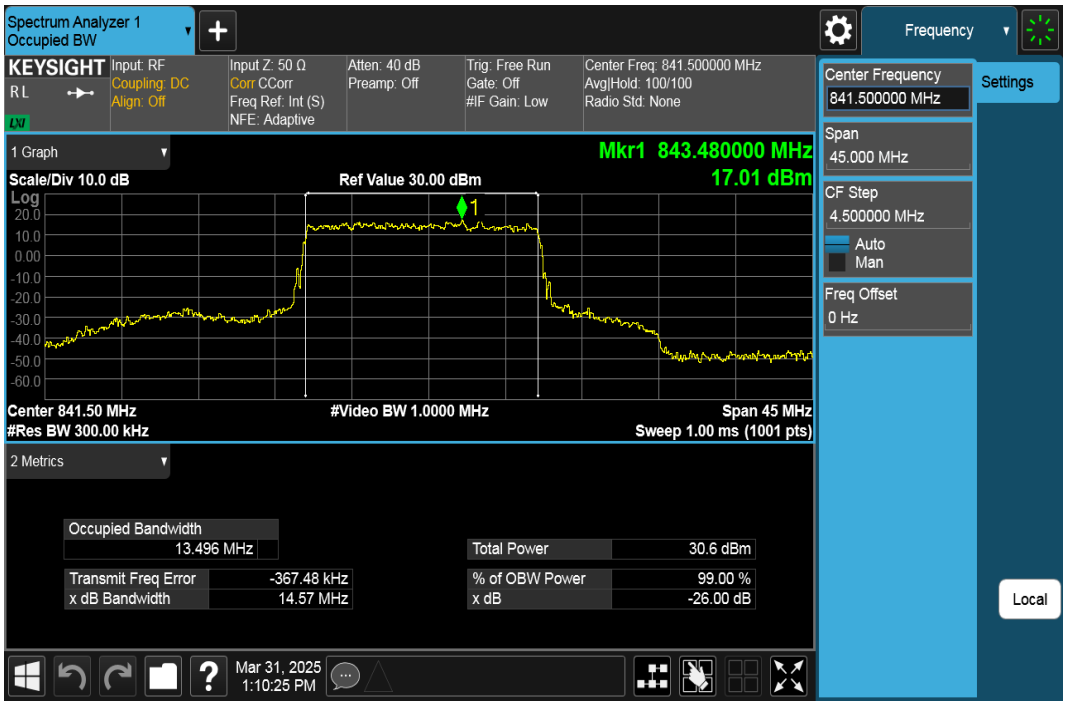

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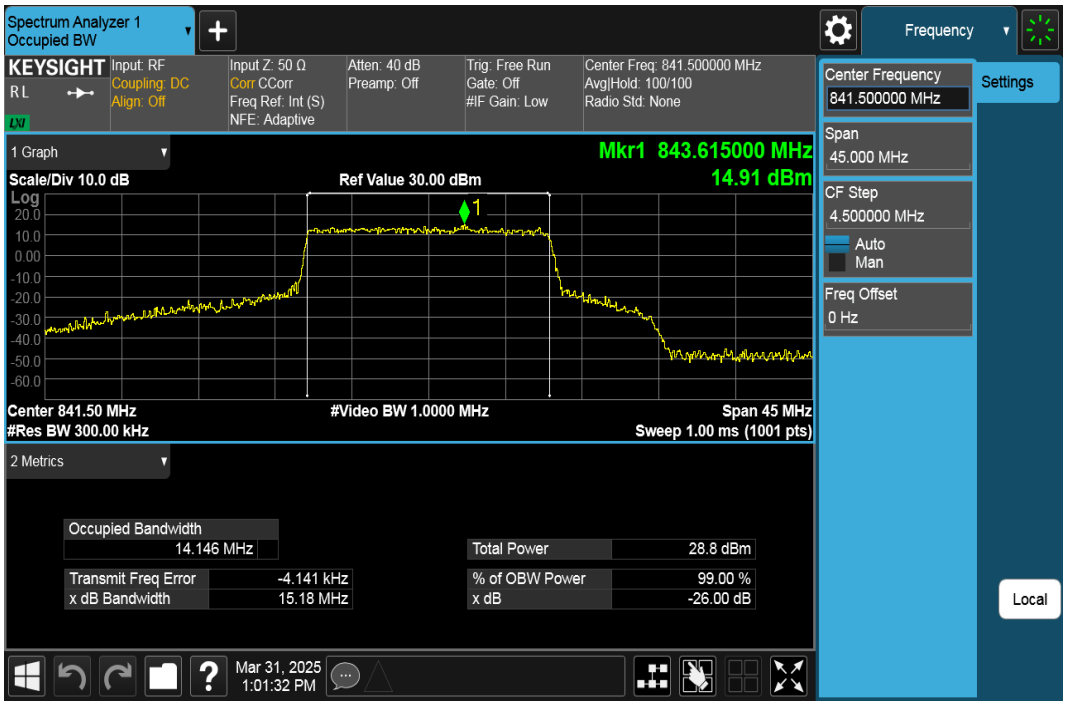
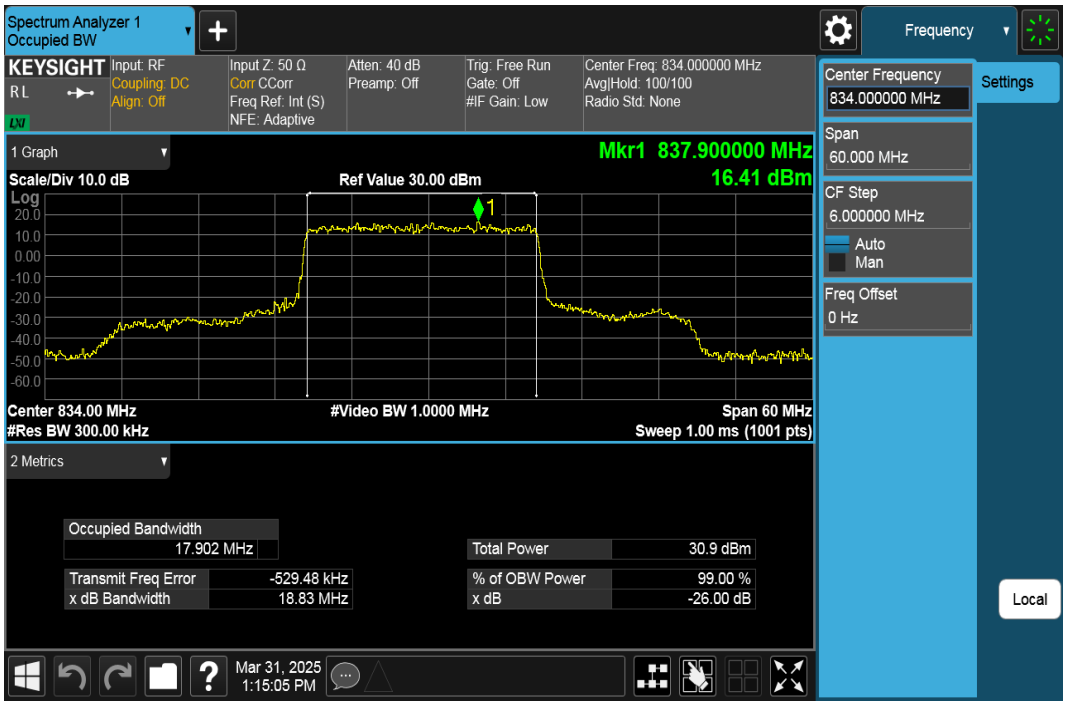


N5-20M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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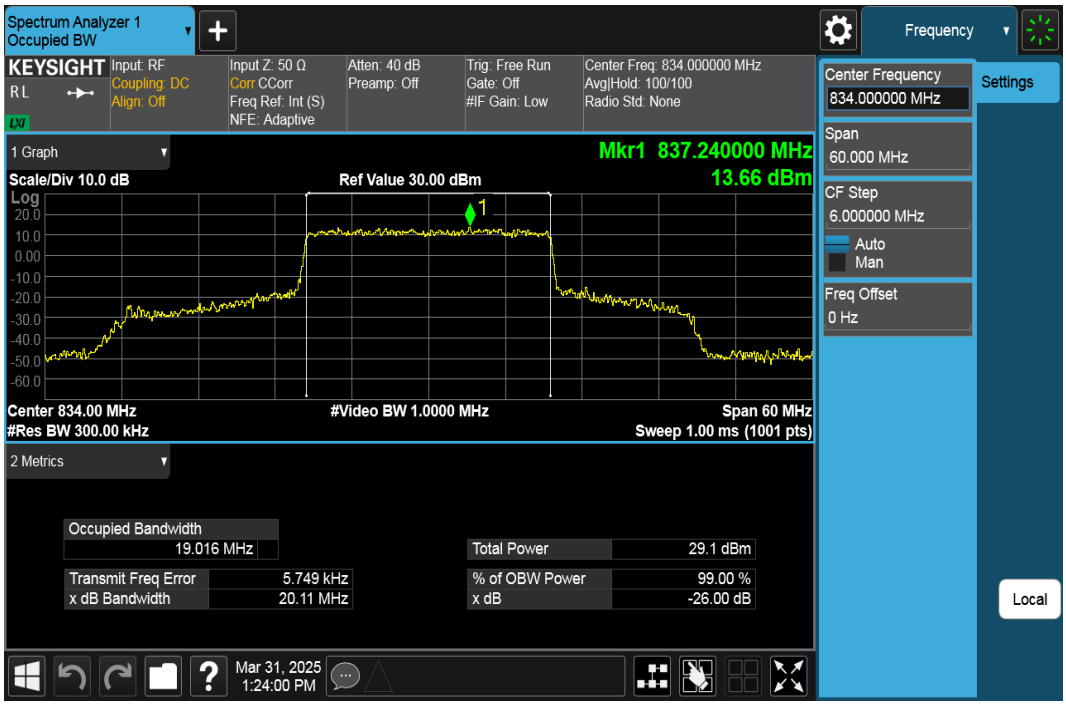

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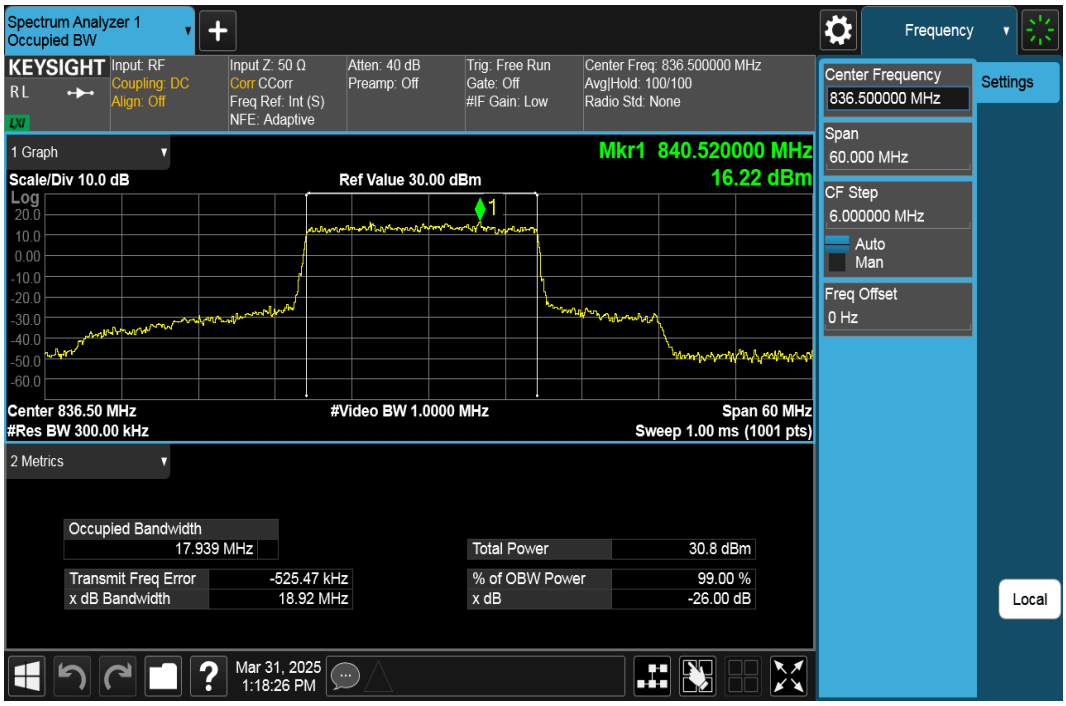

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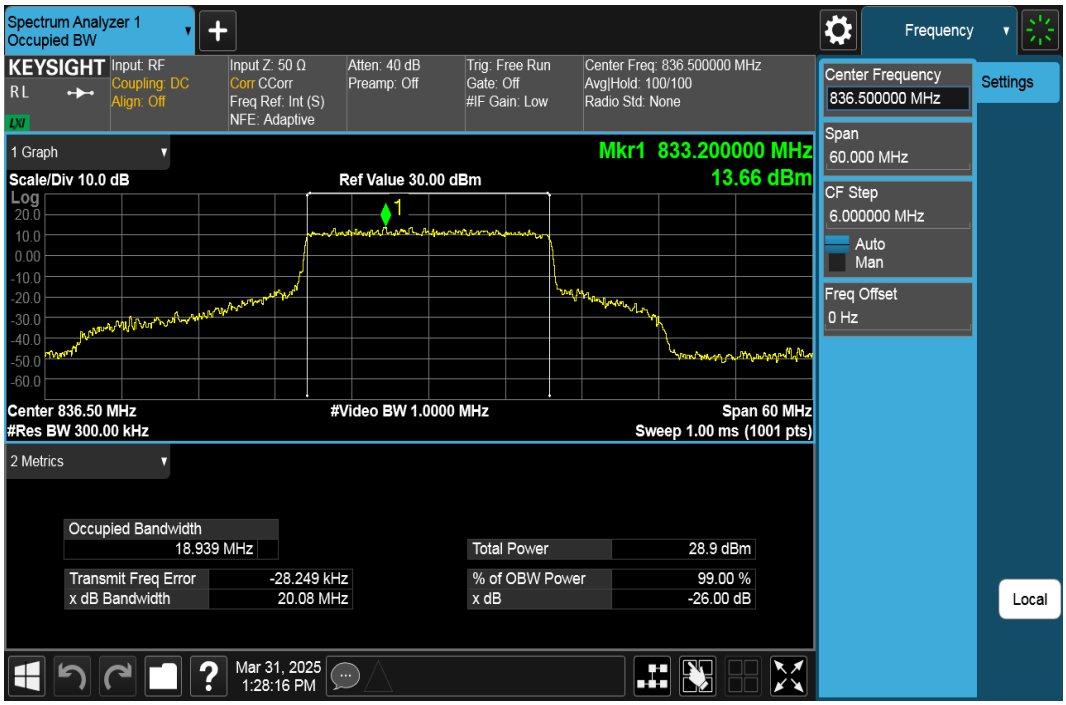

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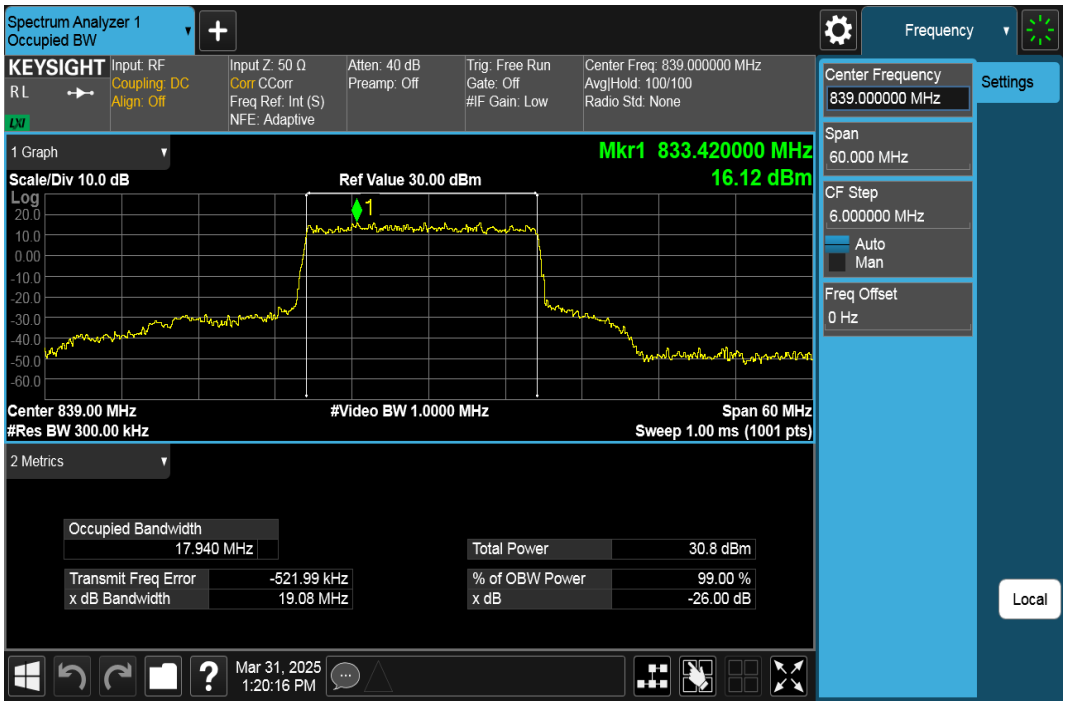
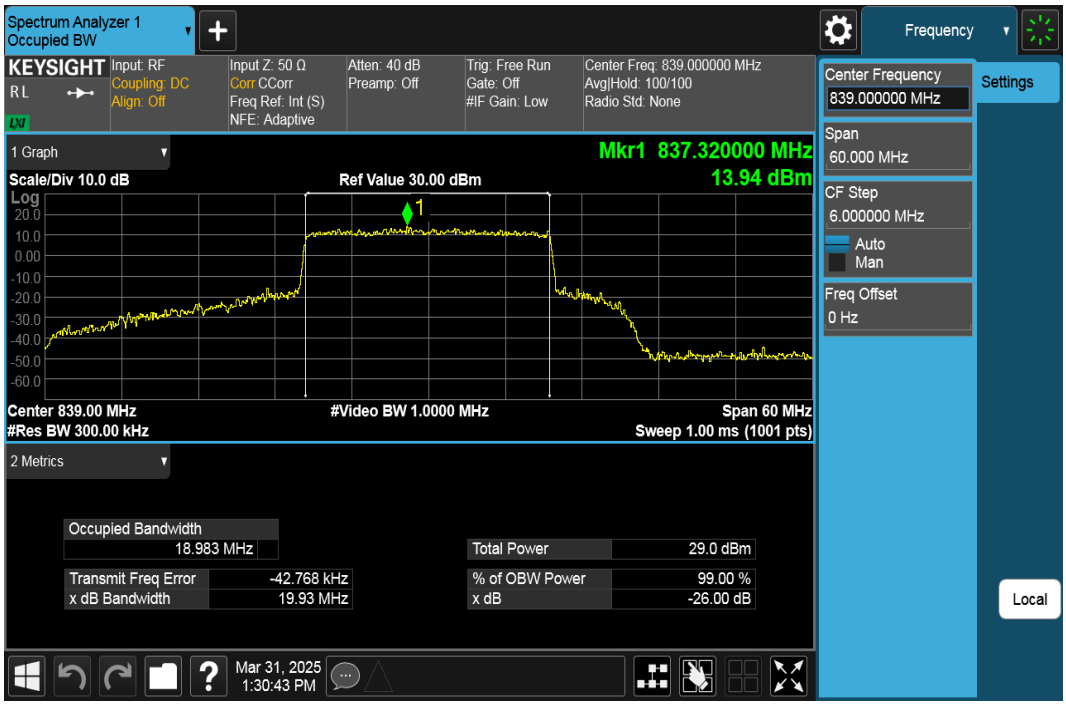
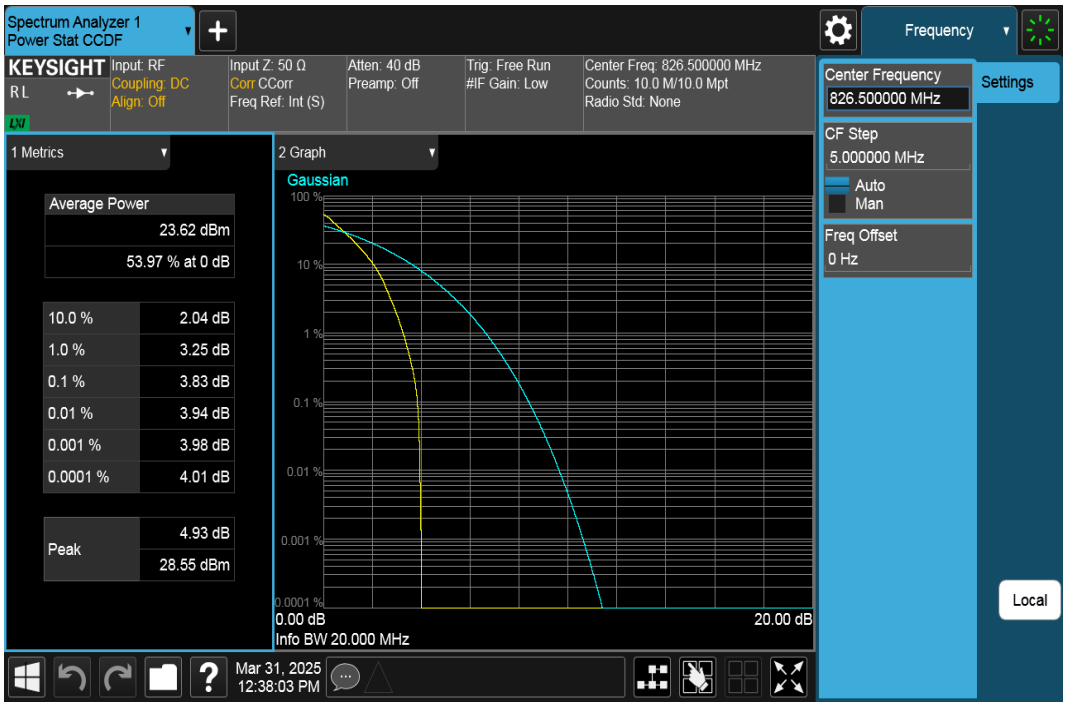


N5-20M-OBW-HCH-CP-OFDM-QPSK-Outer_Full

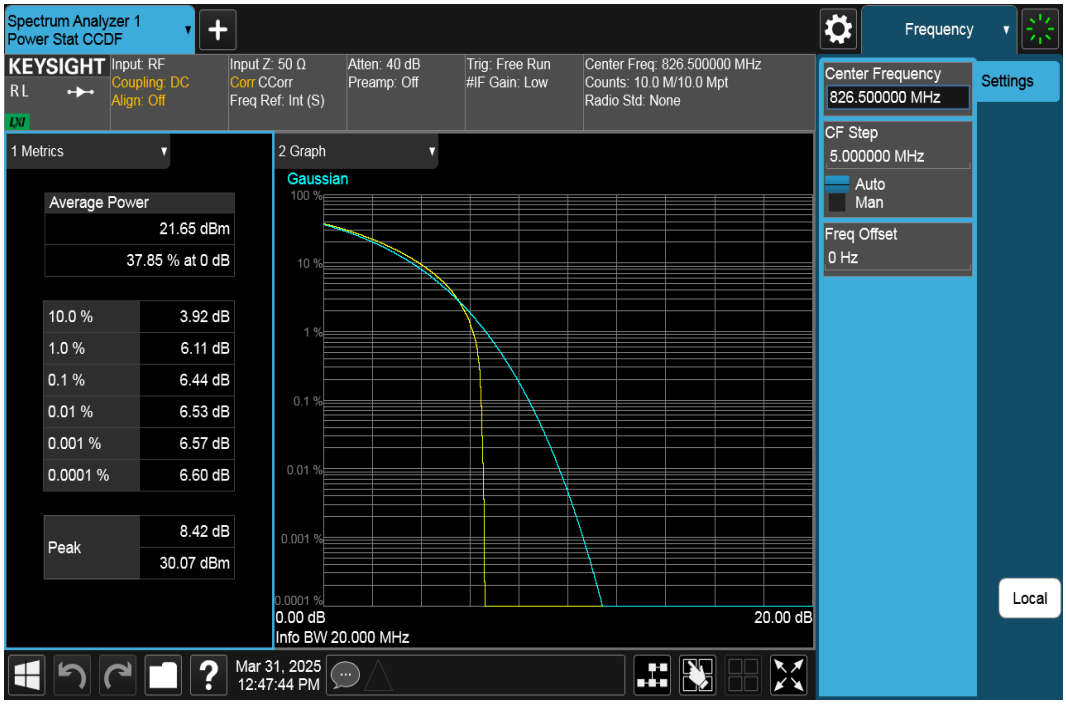


PAPR test graph

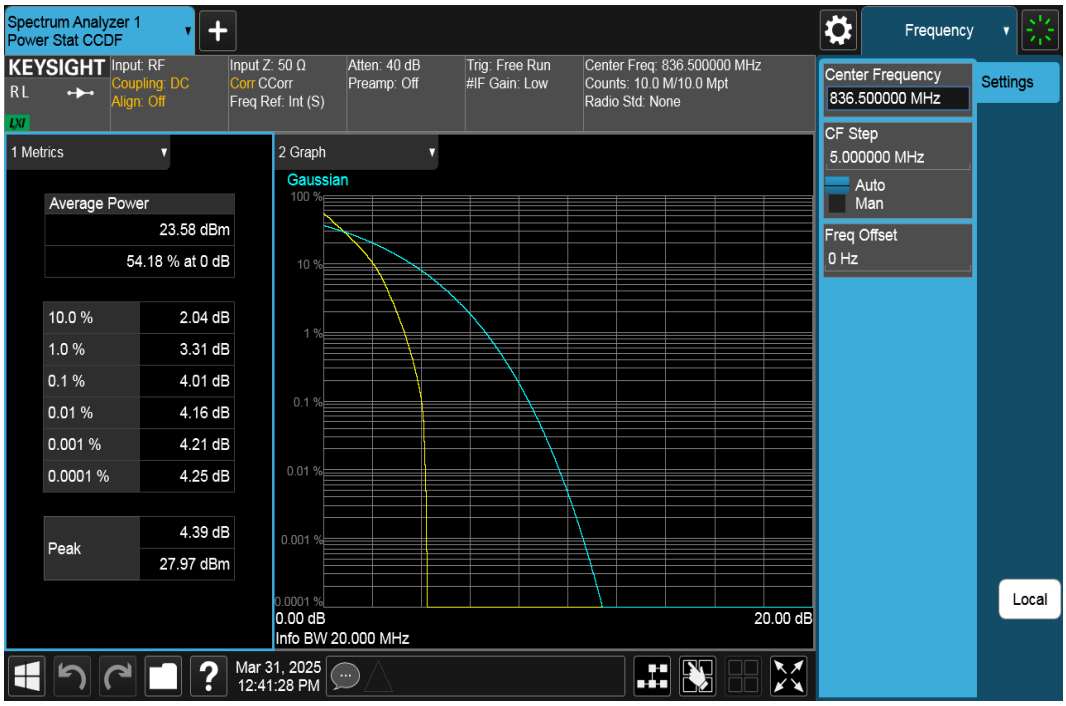
N5-5M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



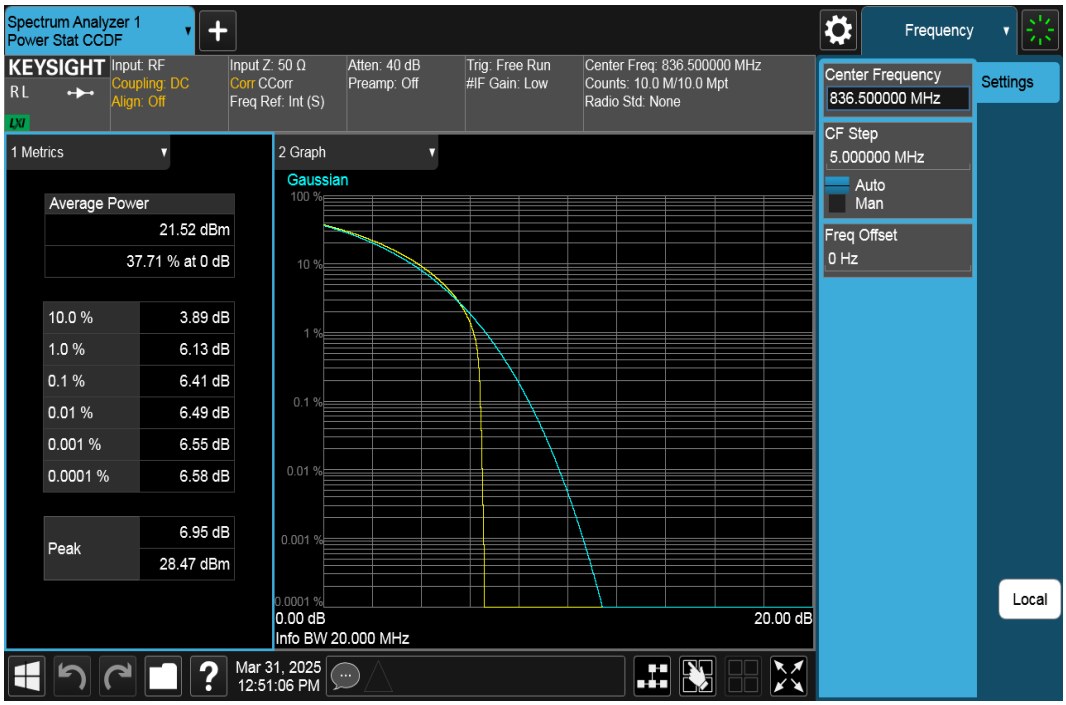
N5-5M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N5-5M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N5-5M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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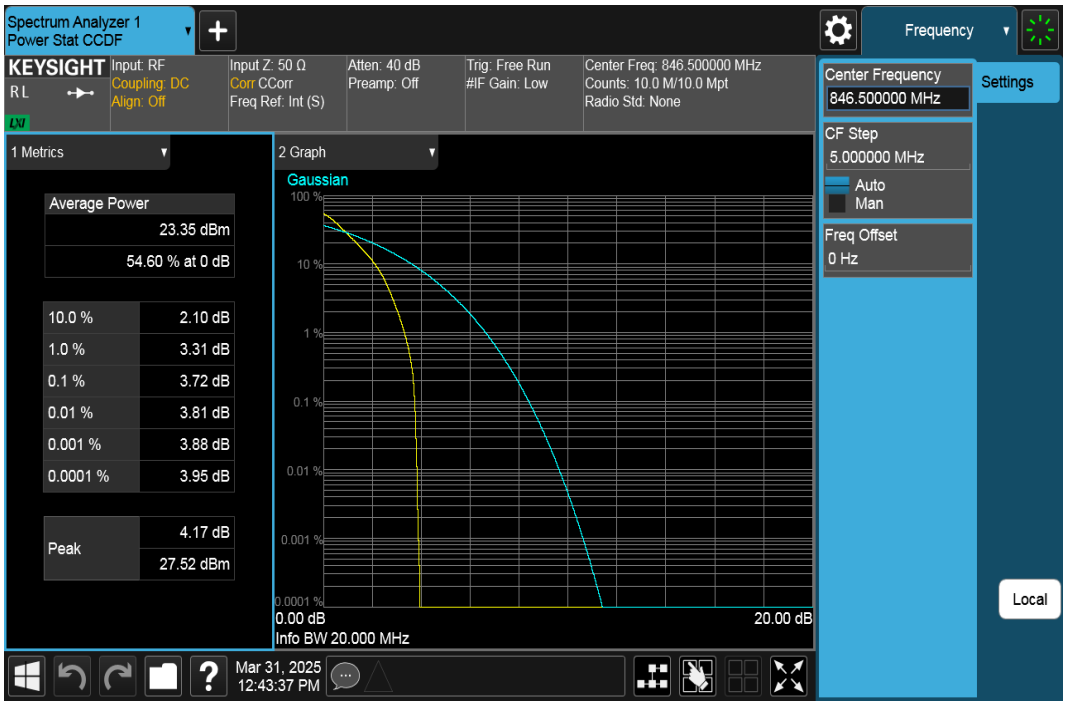

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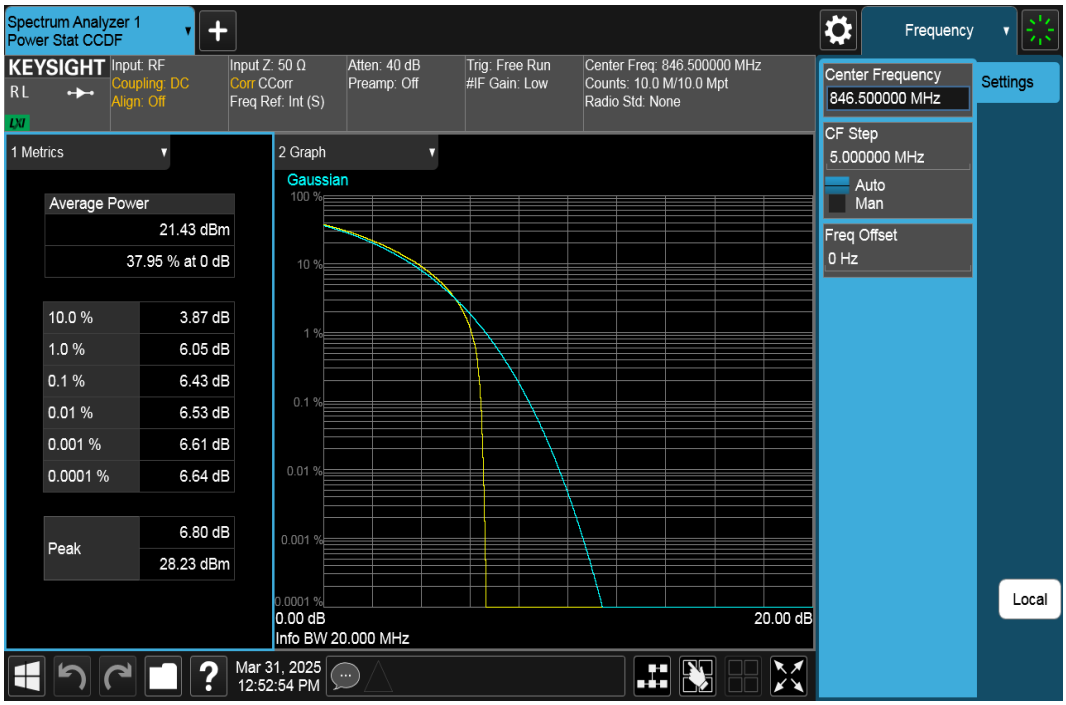
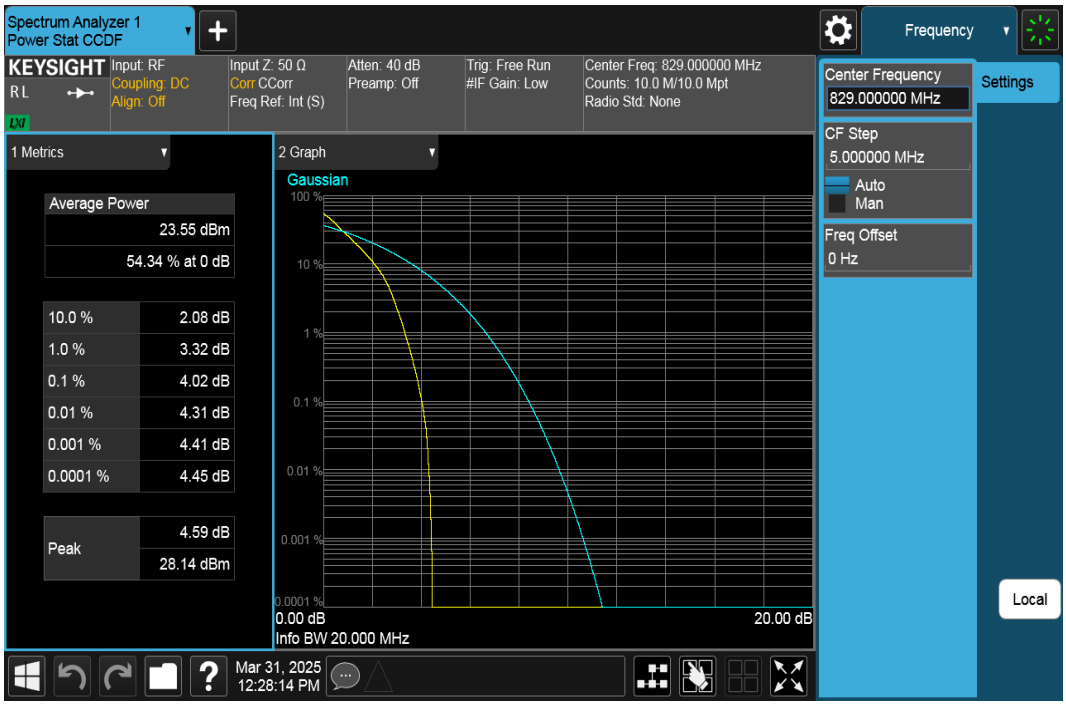


N5-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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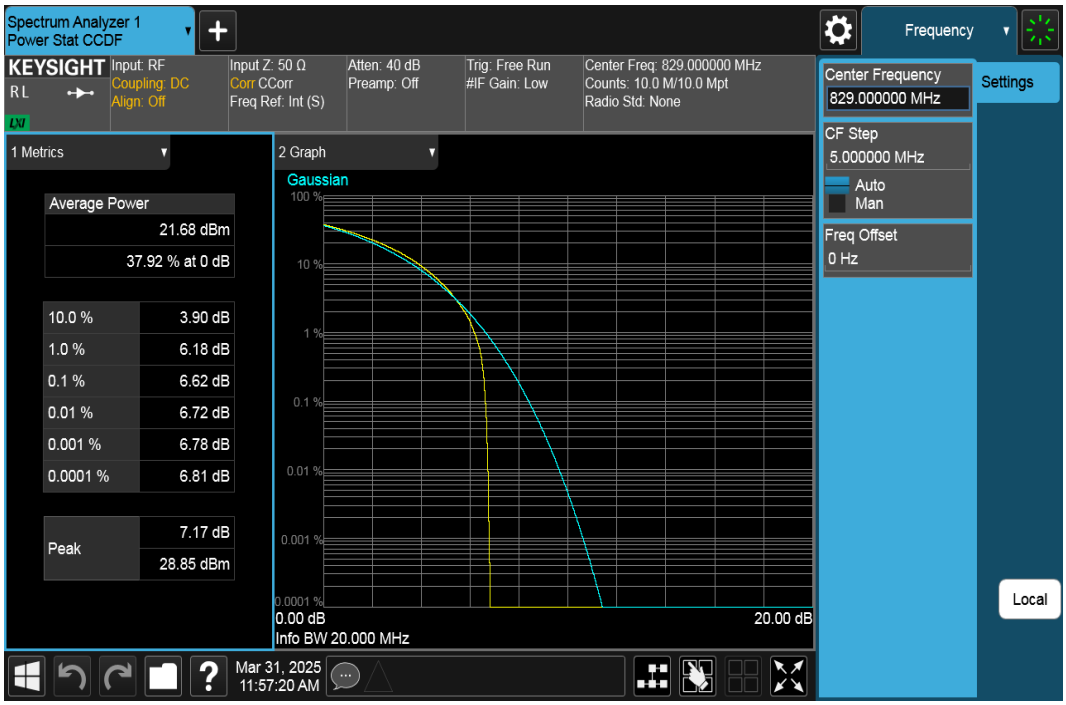
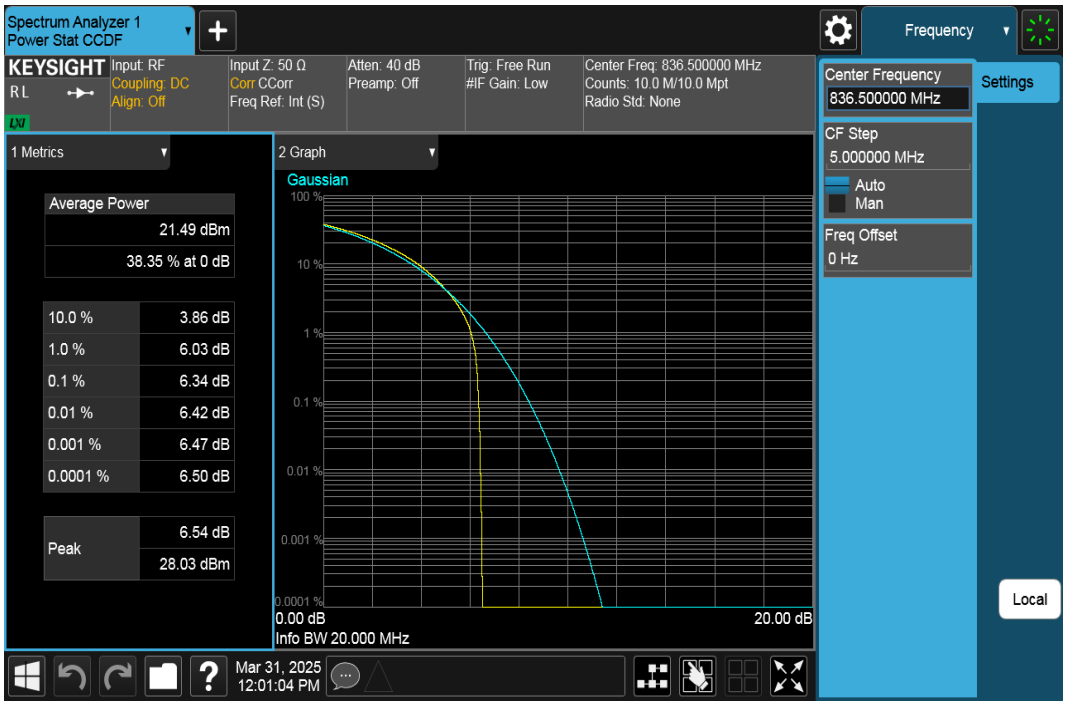


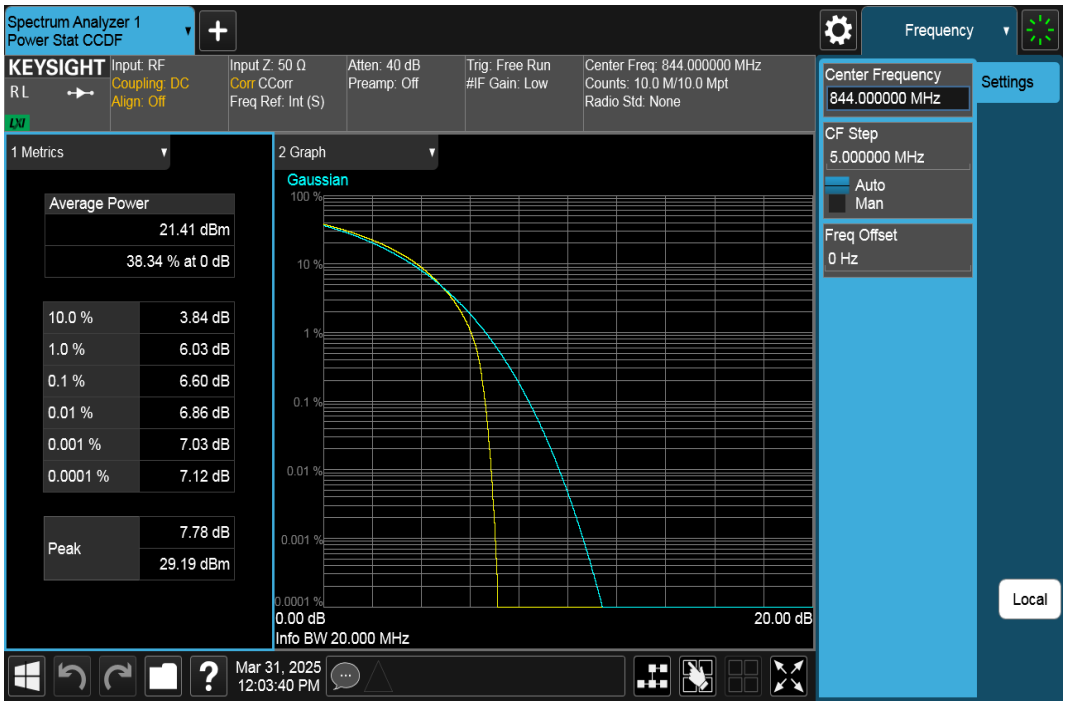
N5-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full

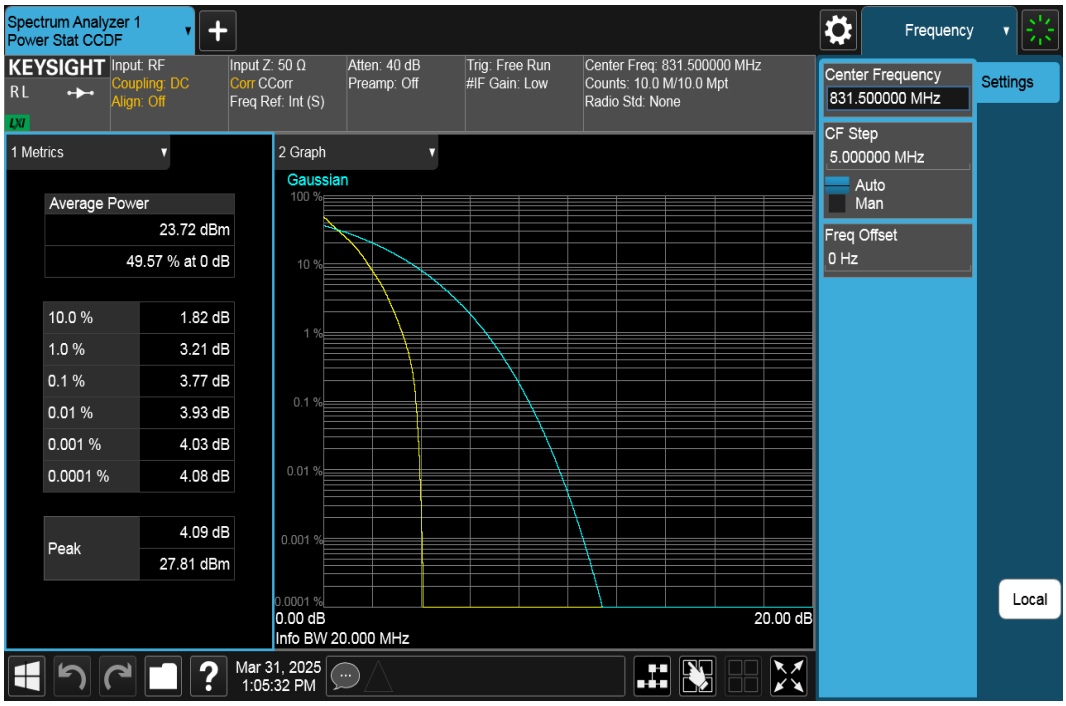


N5-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N5-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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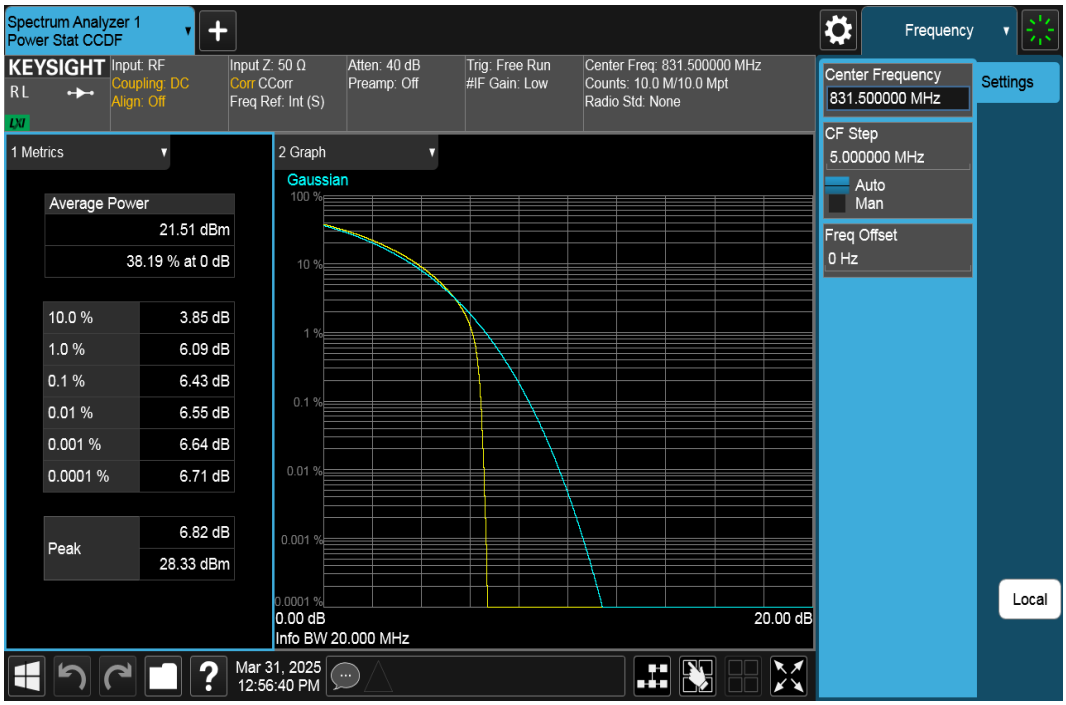
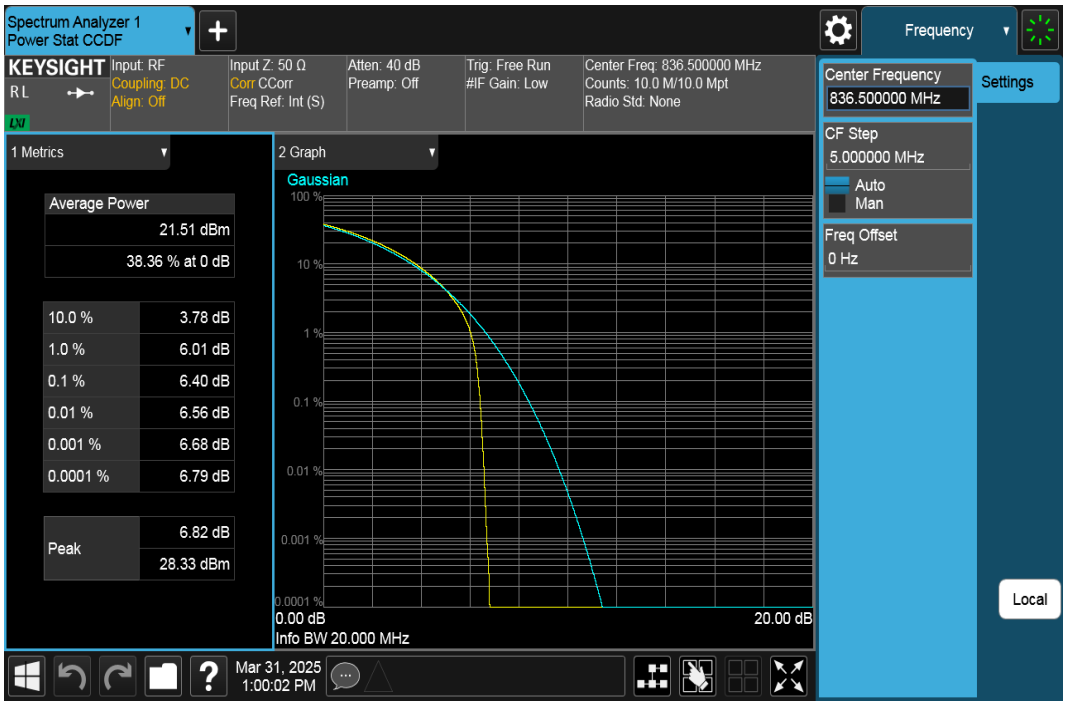


N5-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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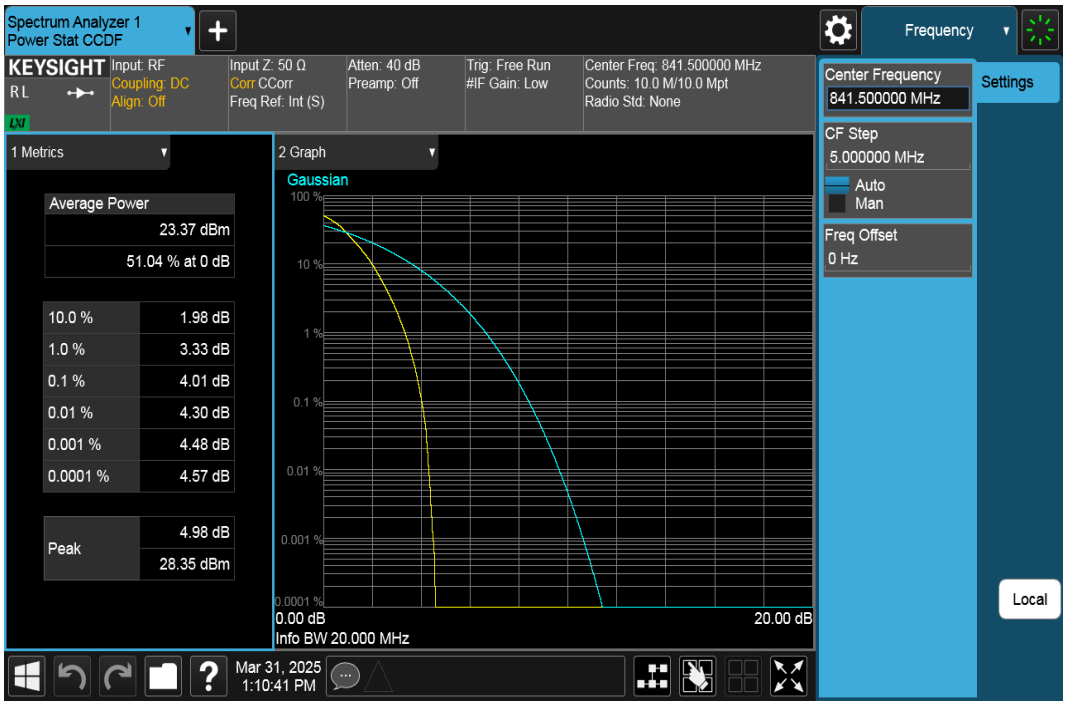

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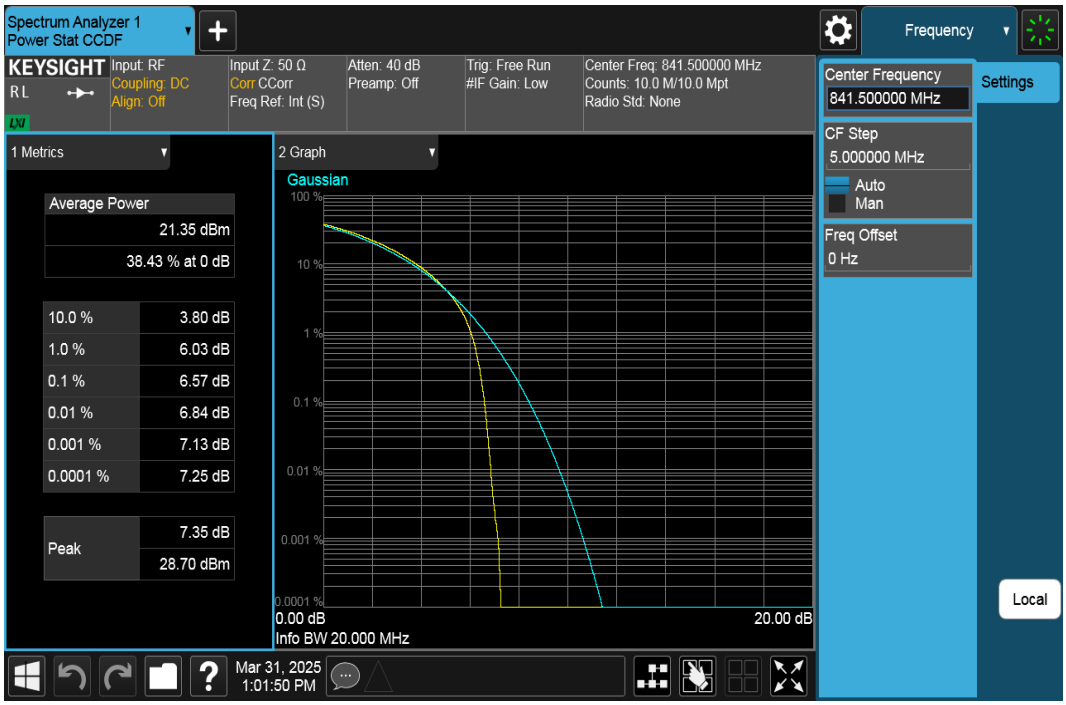

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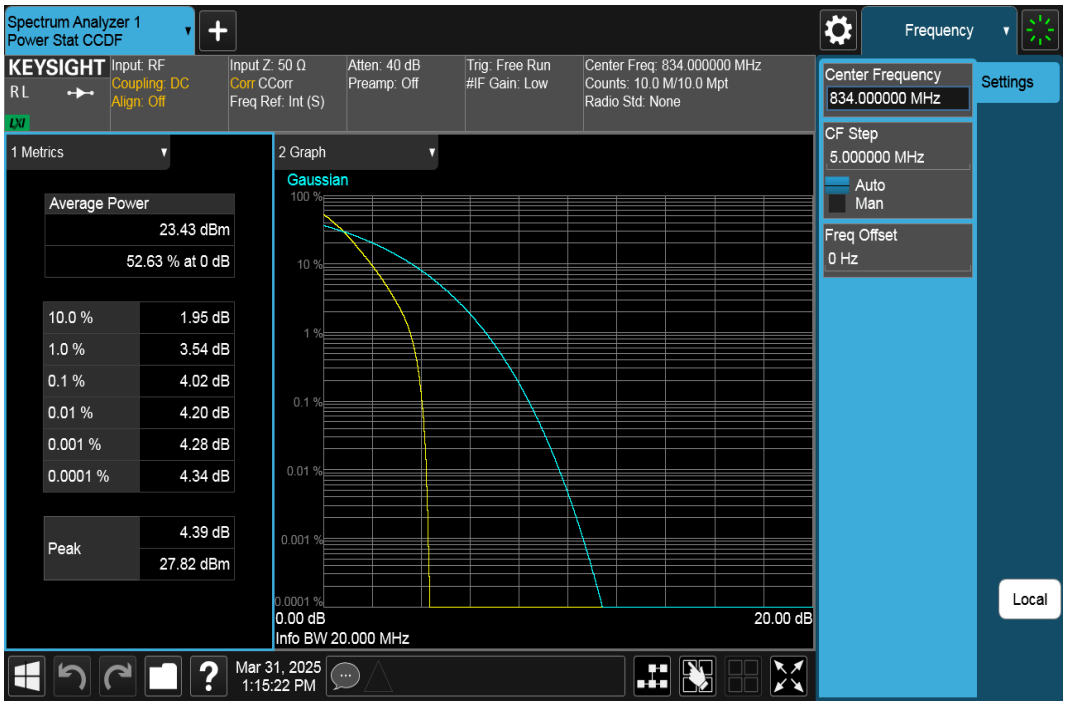

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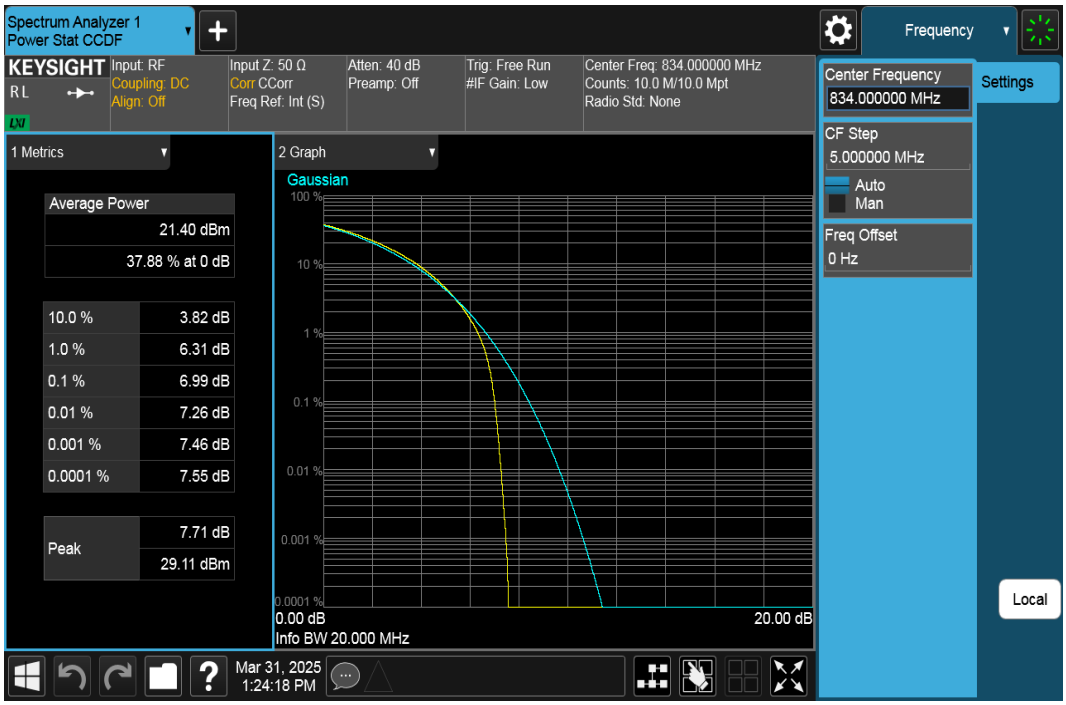

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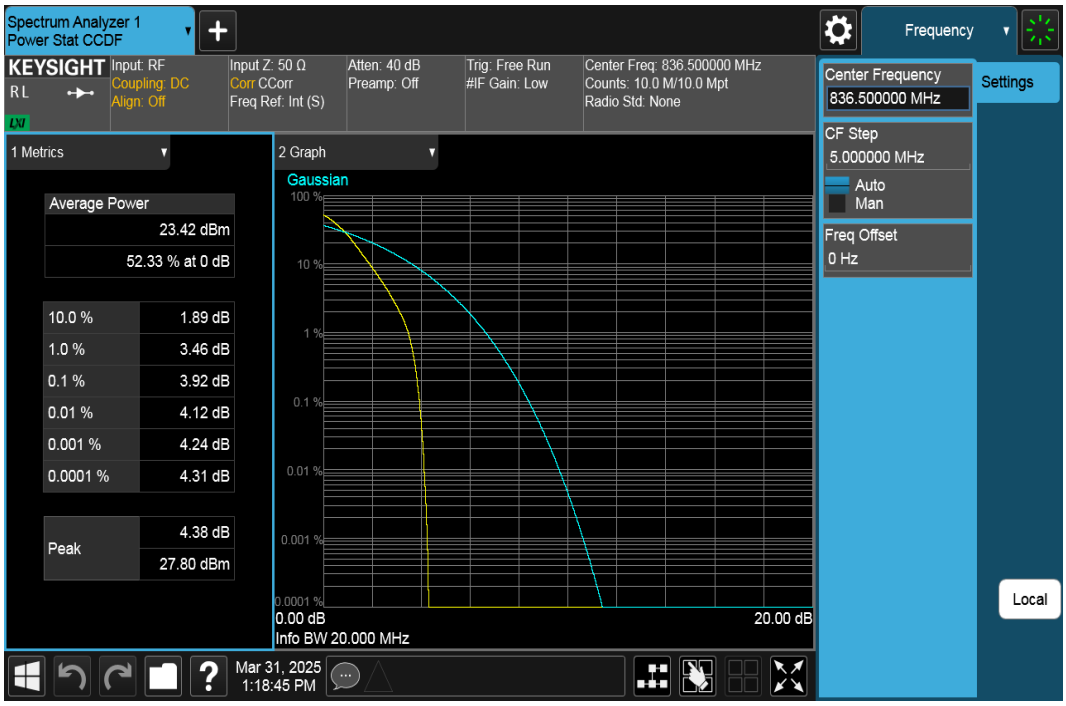

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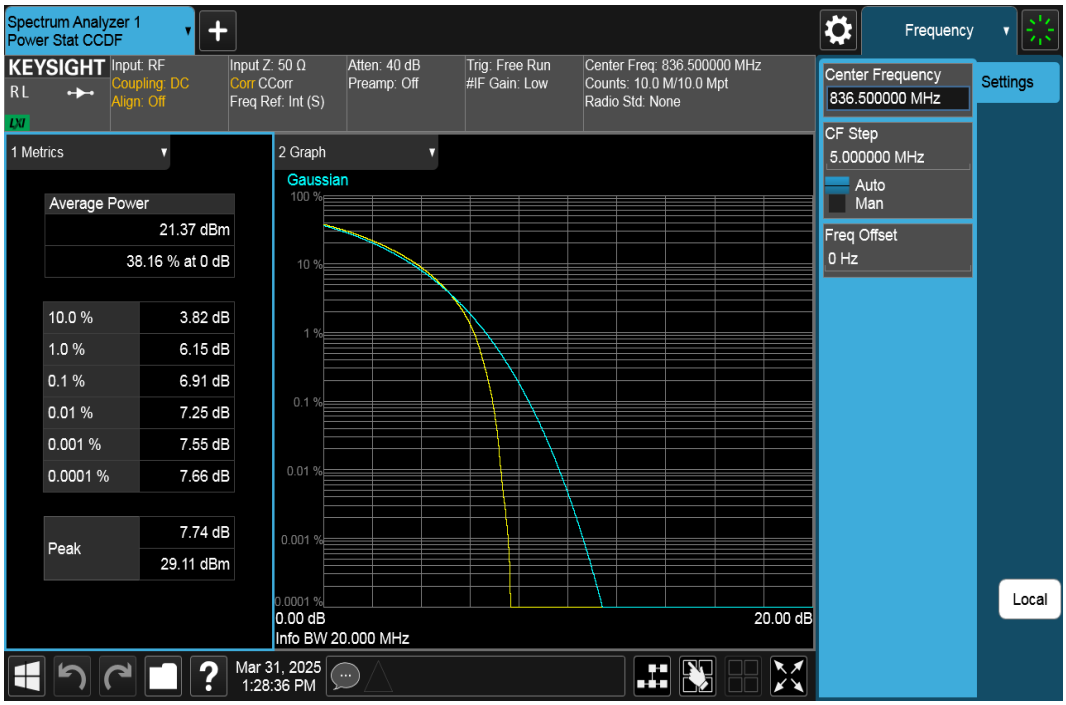

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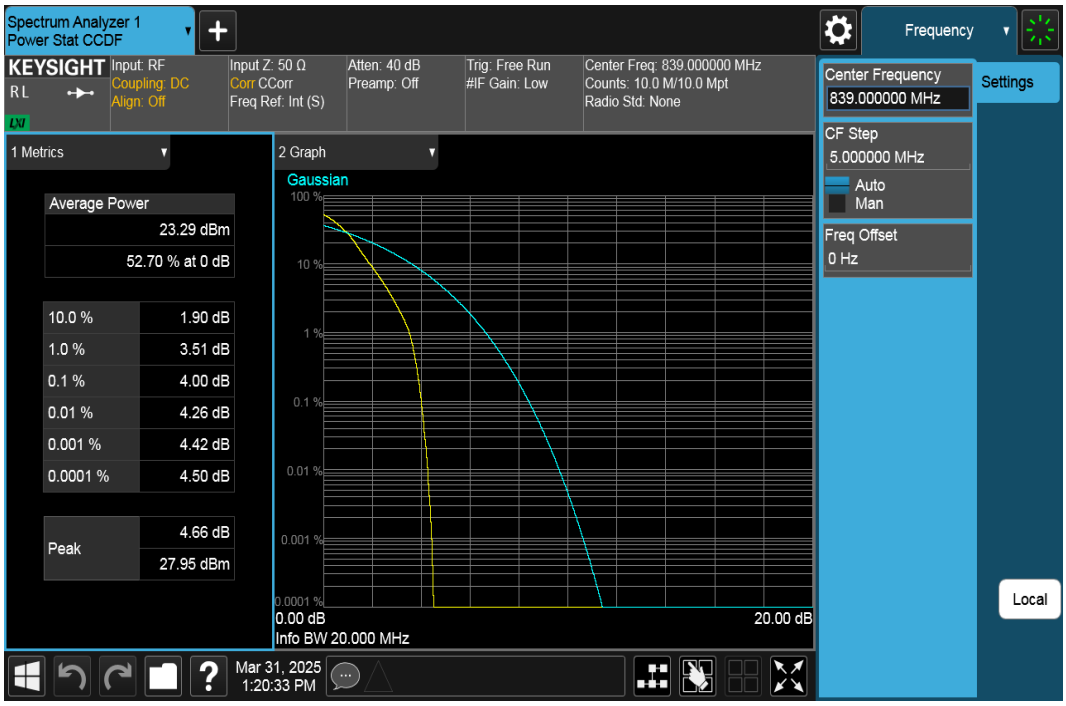

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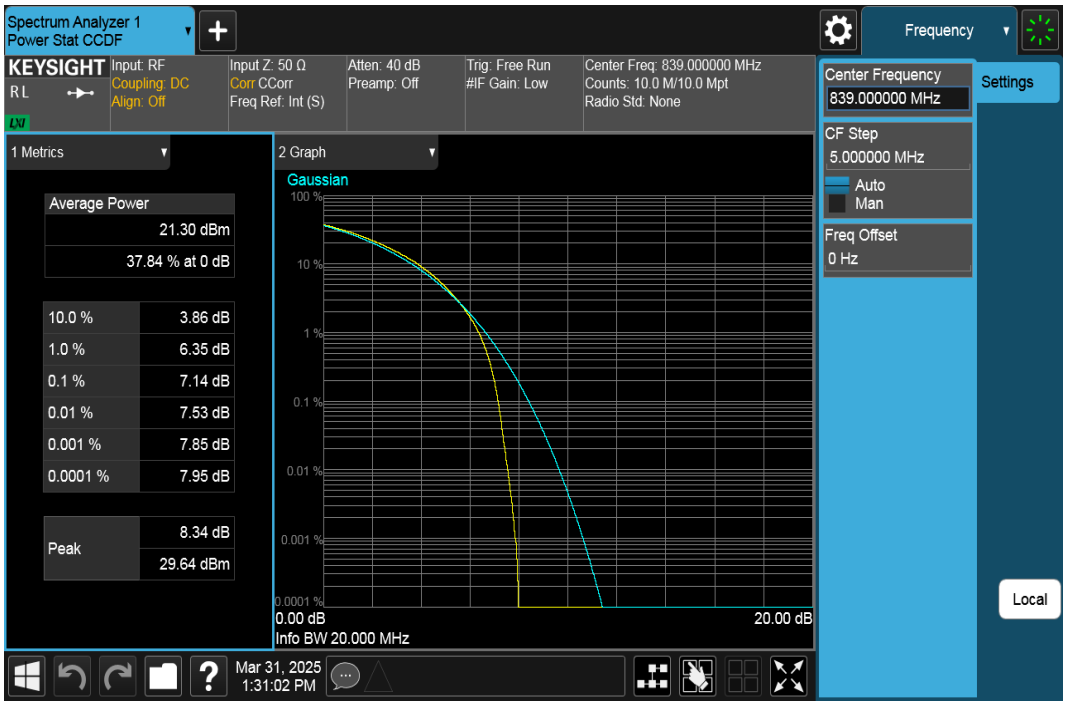
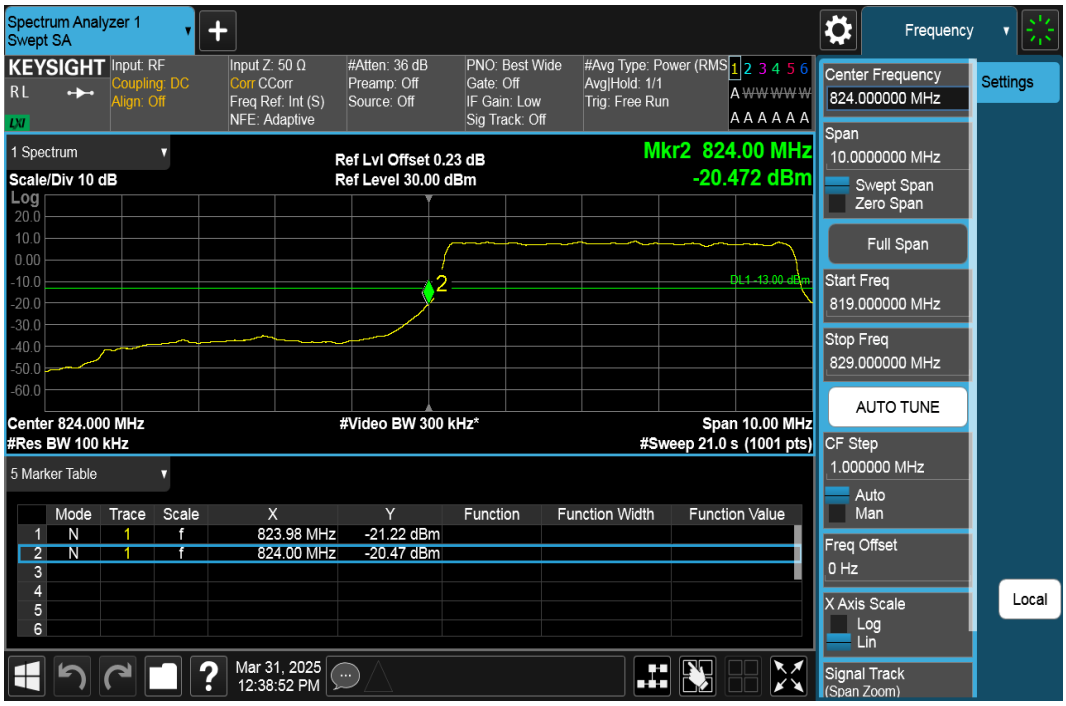


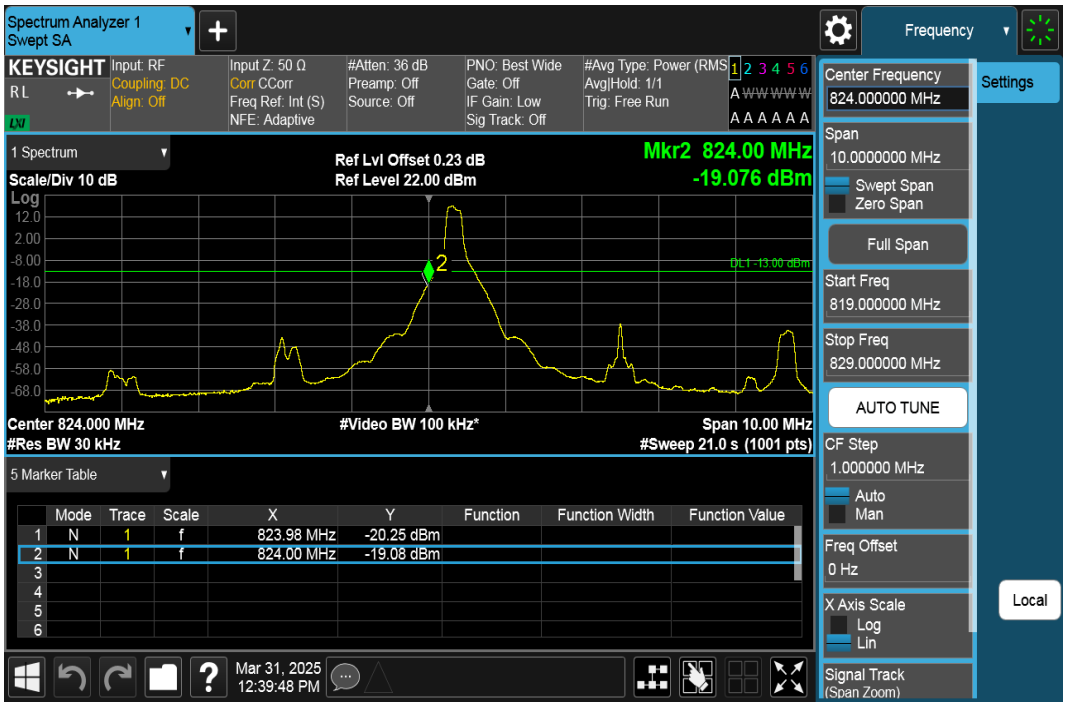
Bandedge

test graph

N5-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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



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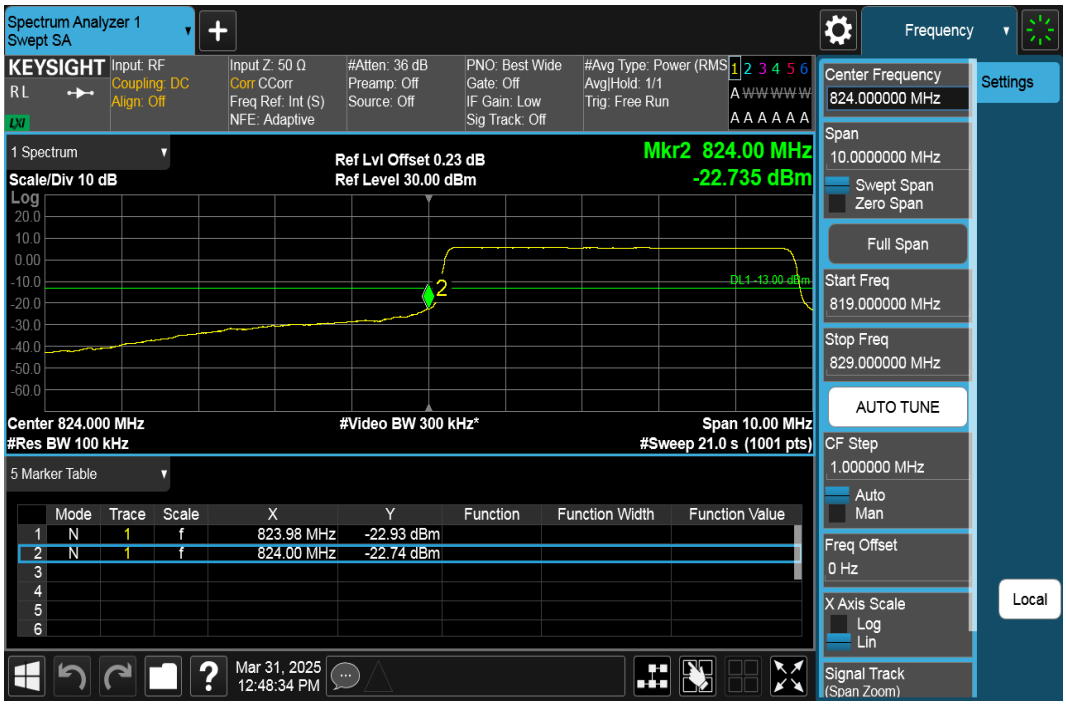

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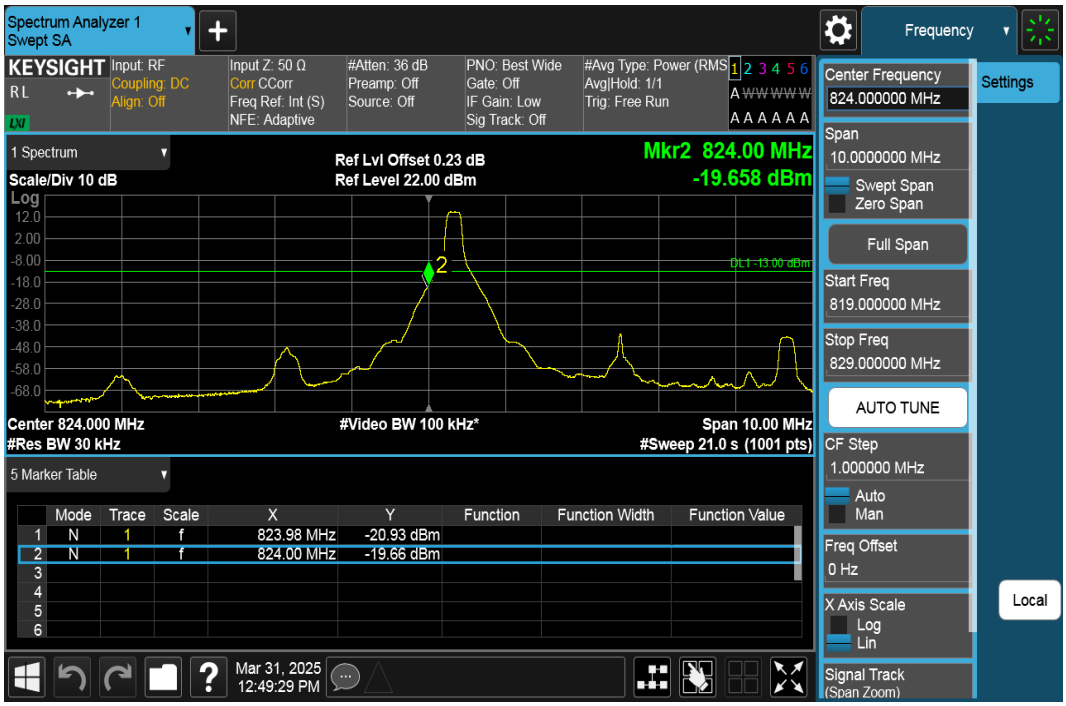
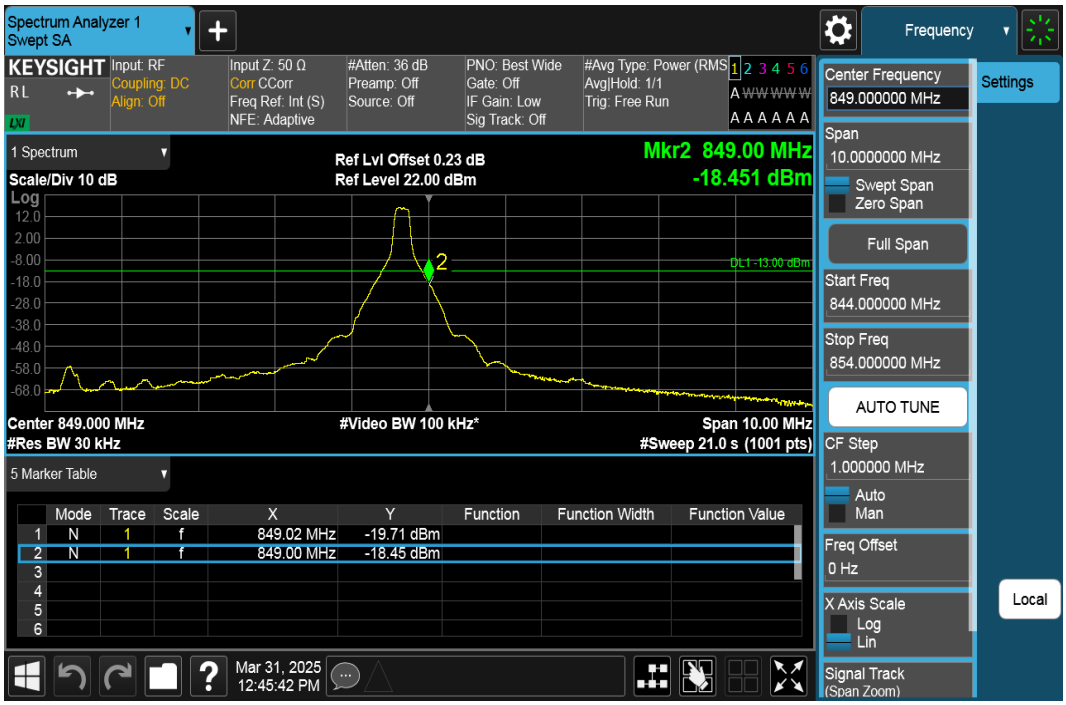


N5-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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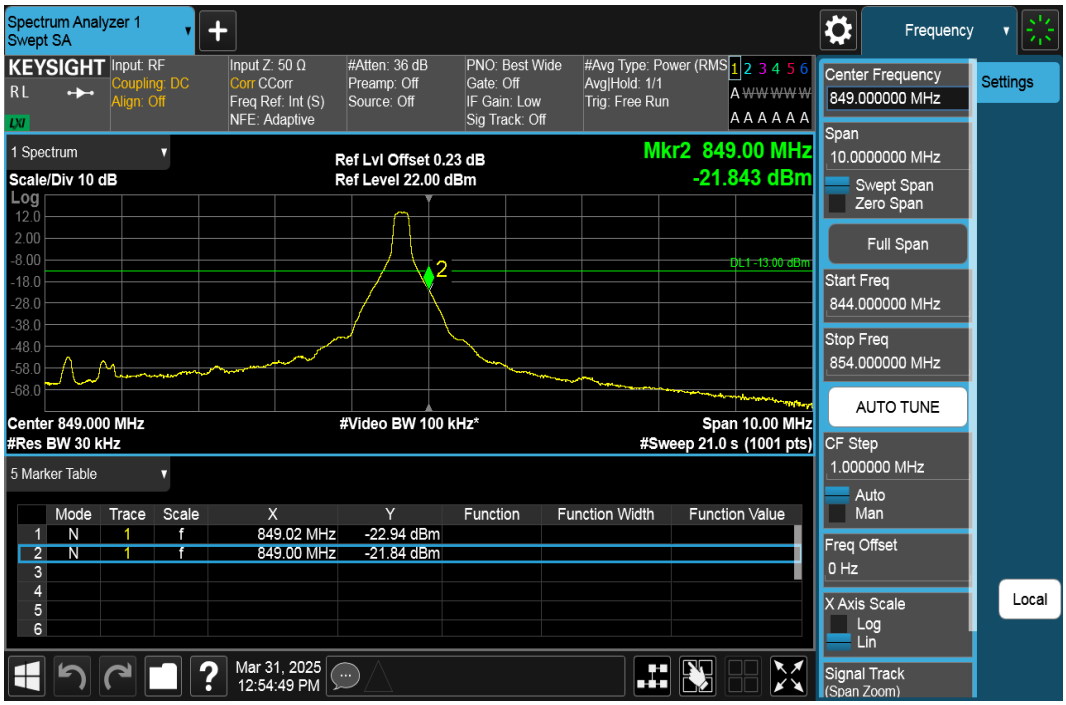
N5-5M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



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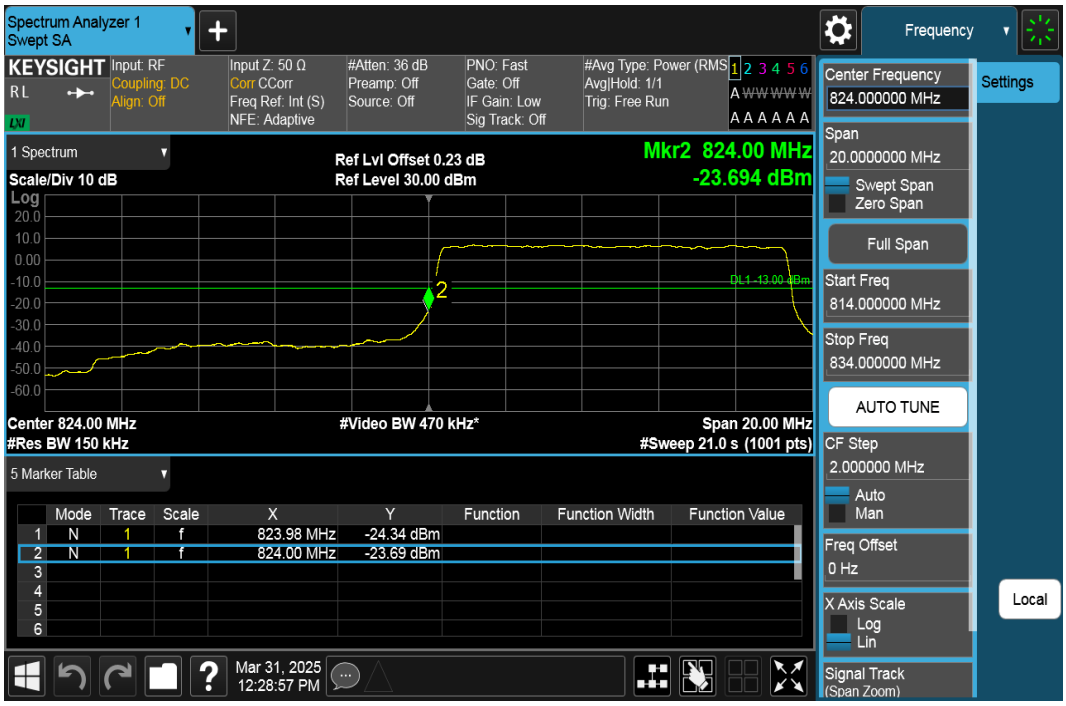

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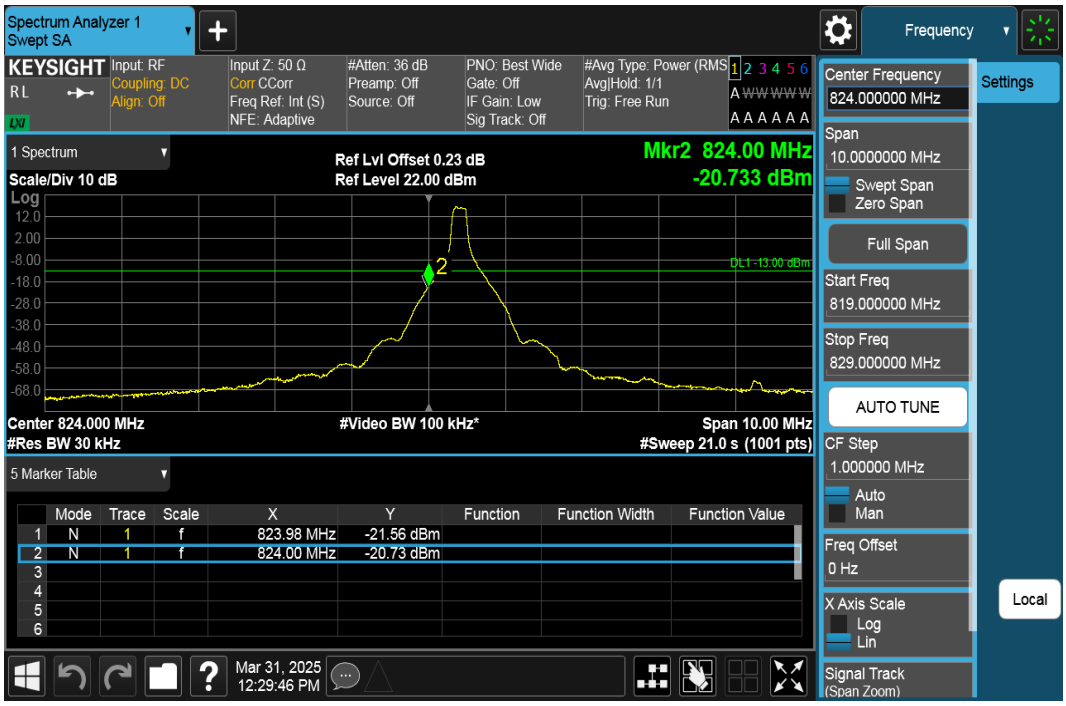

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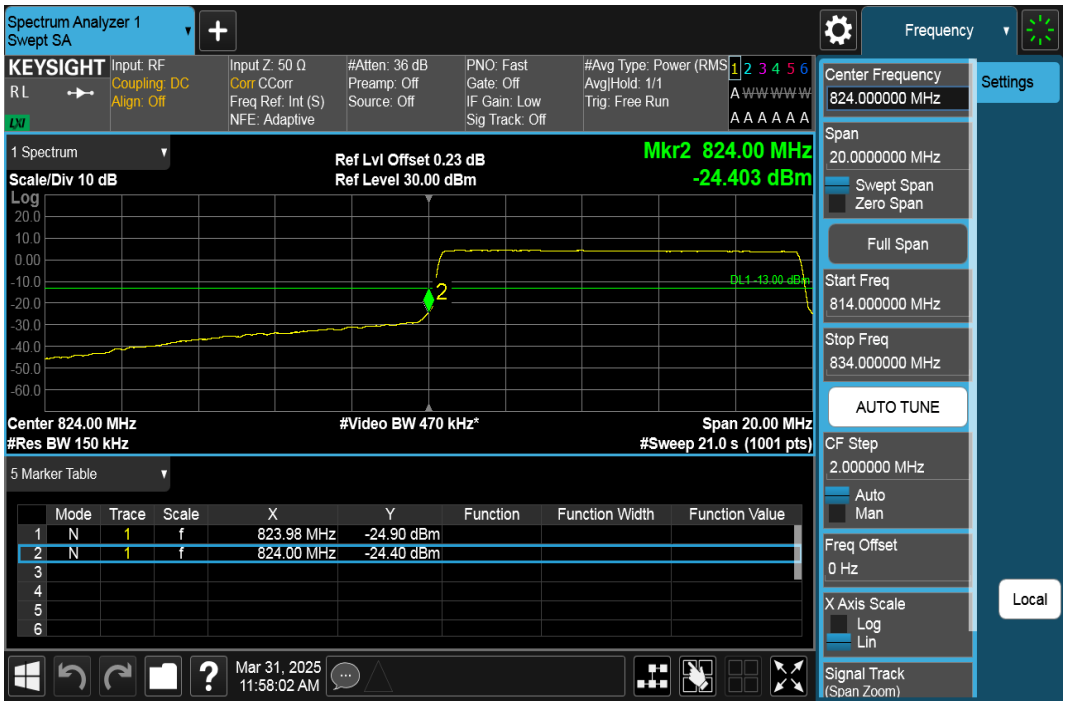

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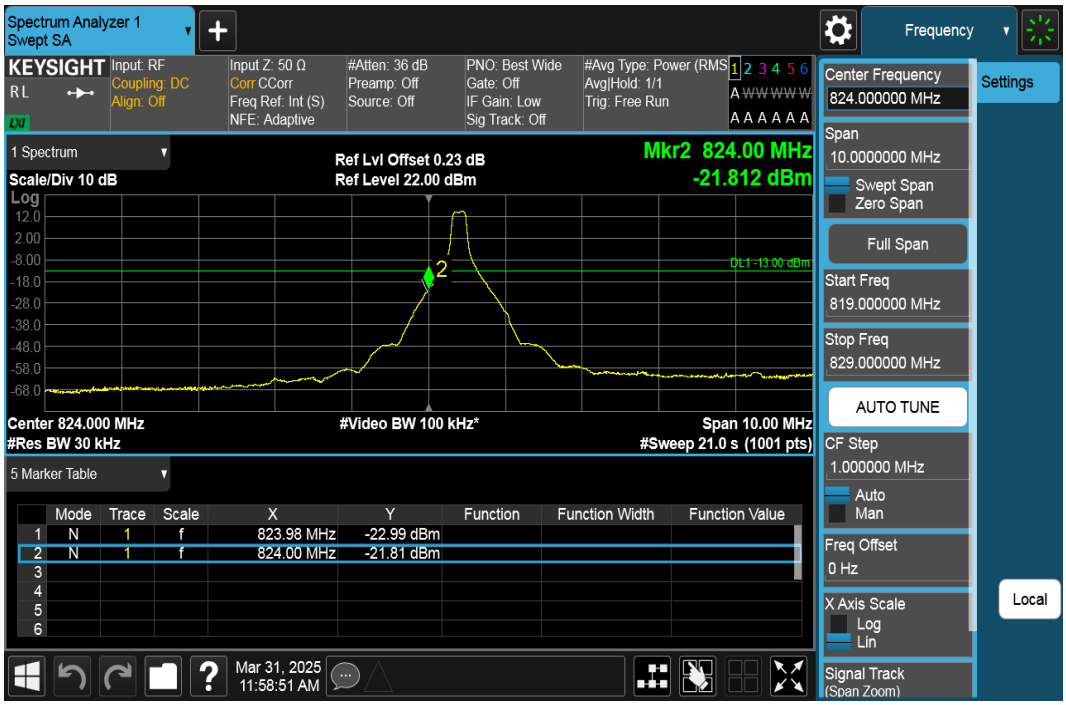
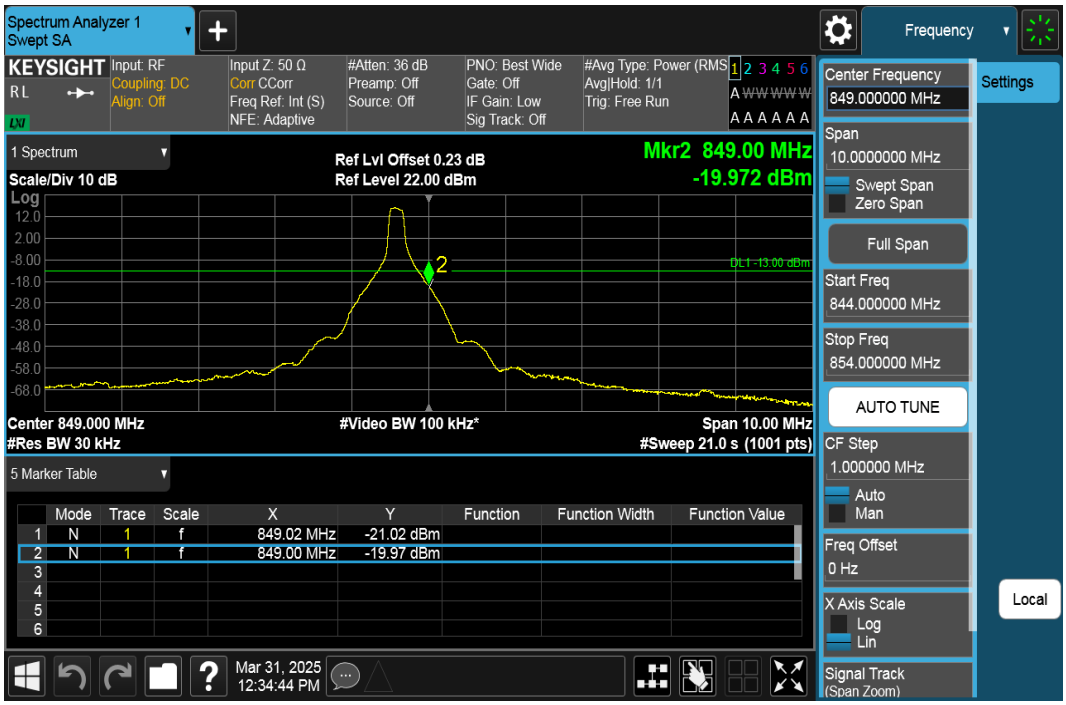


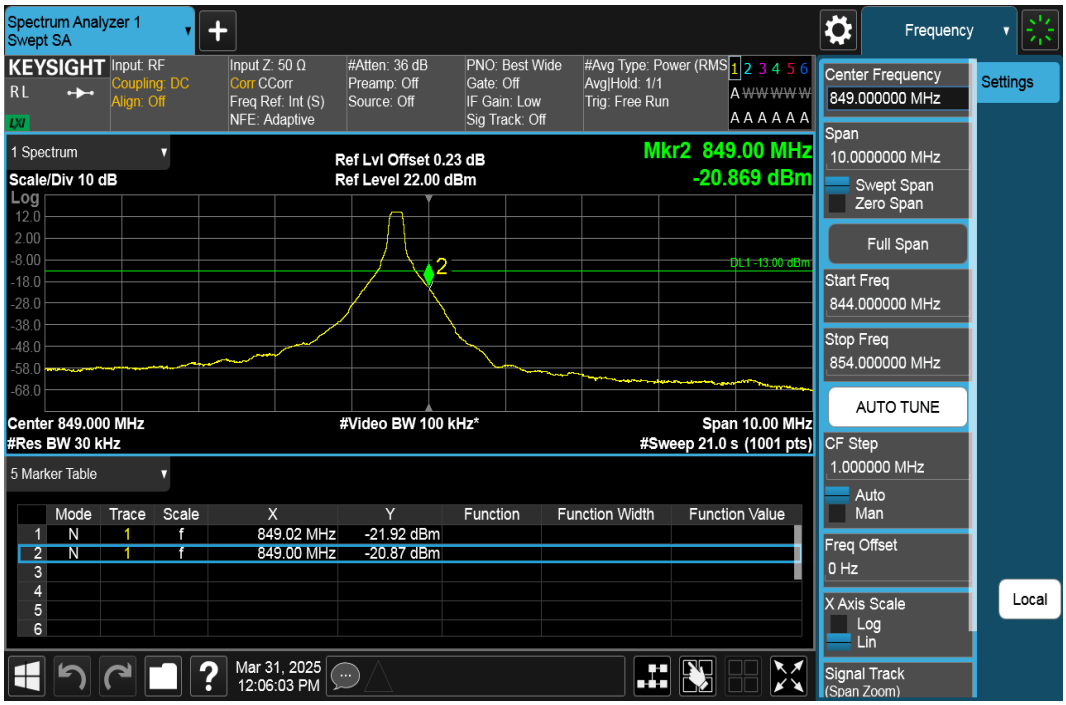
N5-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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

N5-10M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



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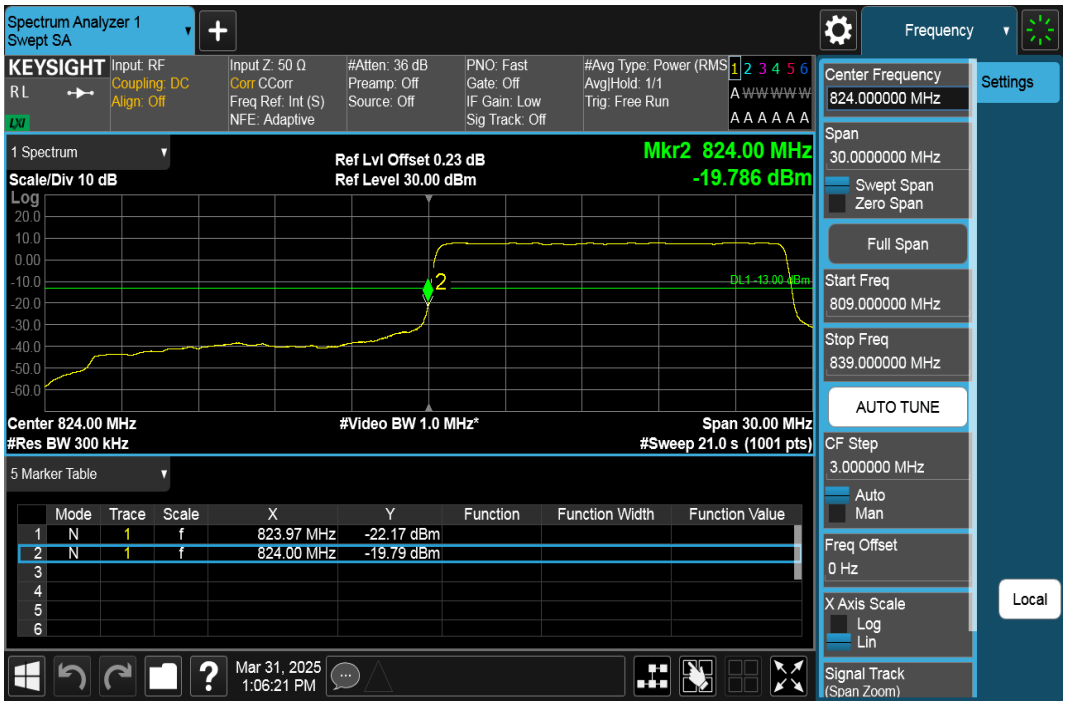

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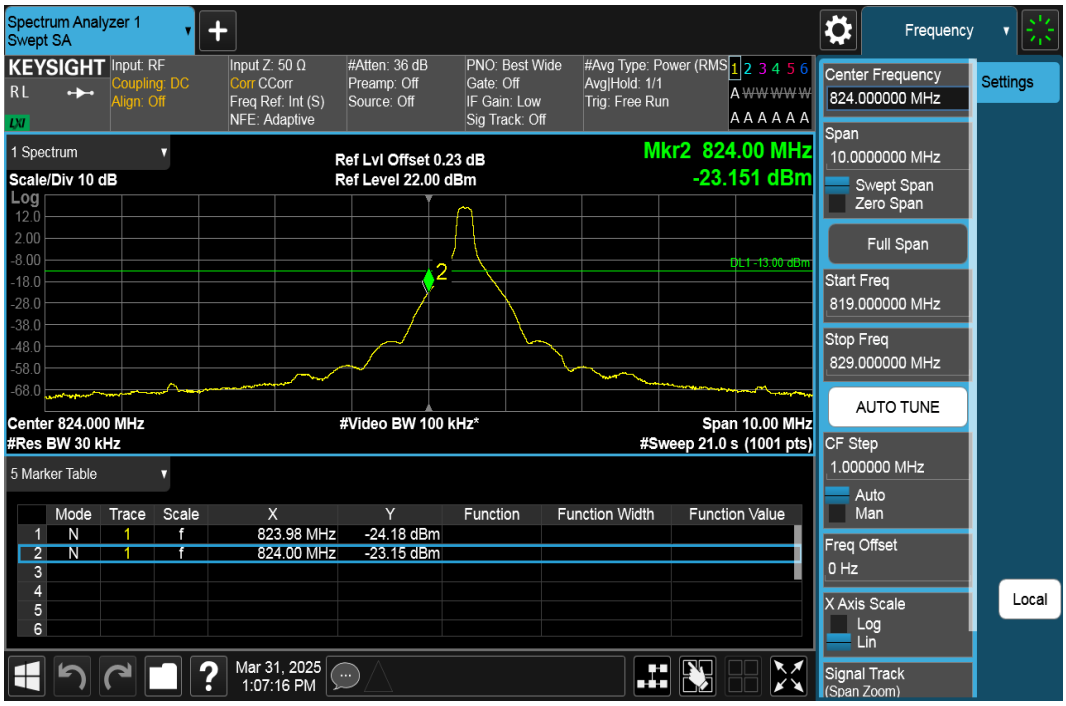

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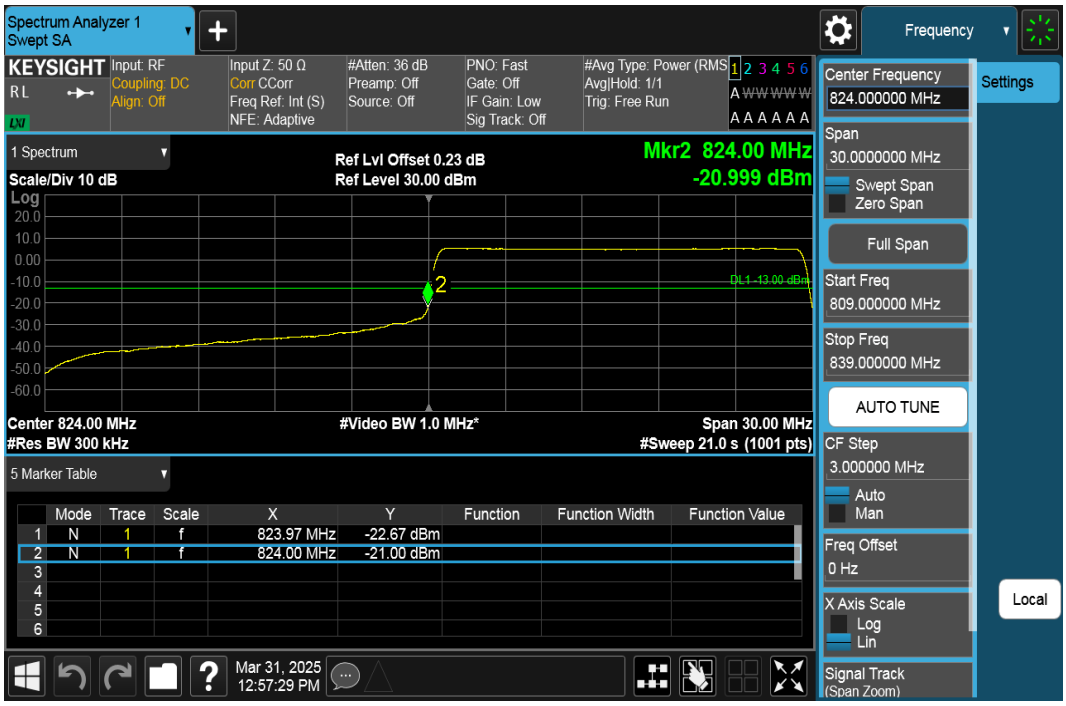

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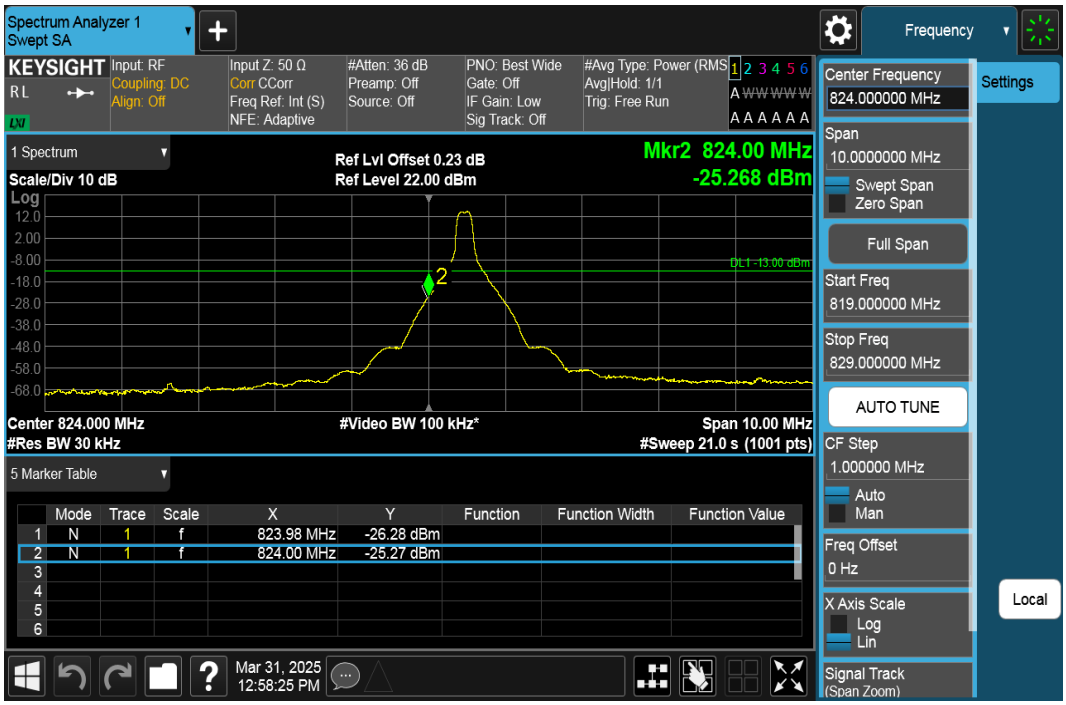
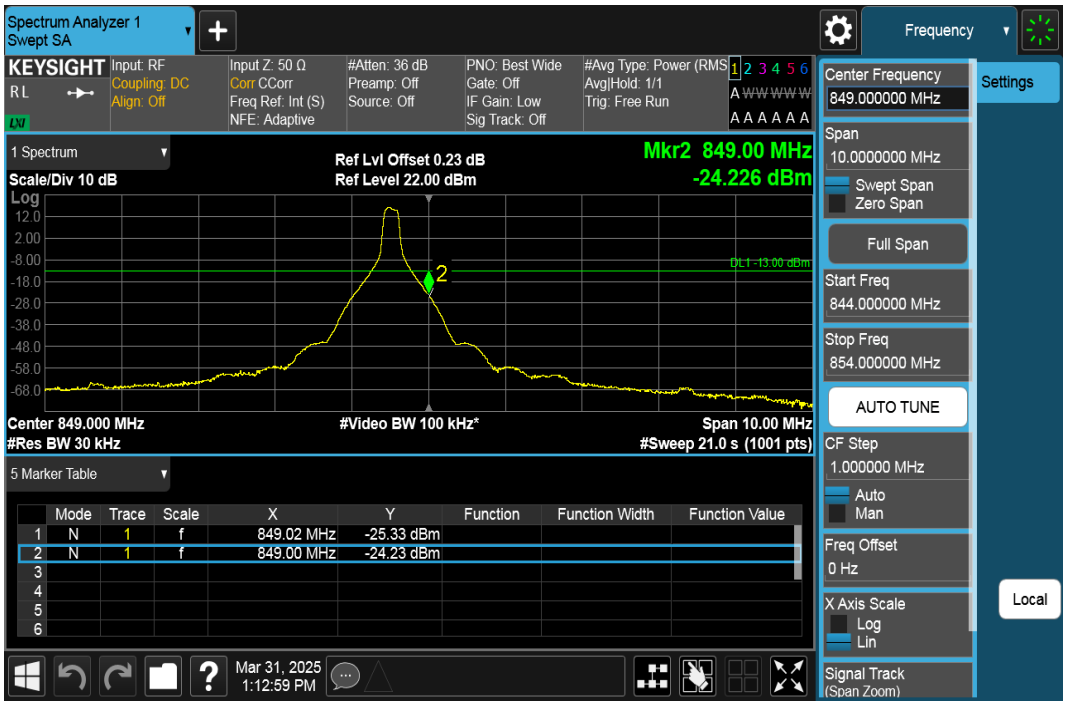


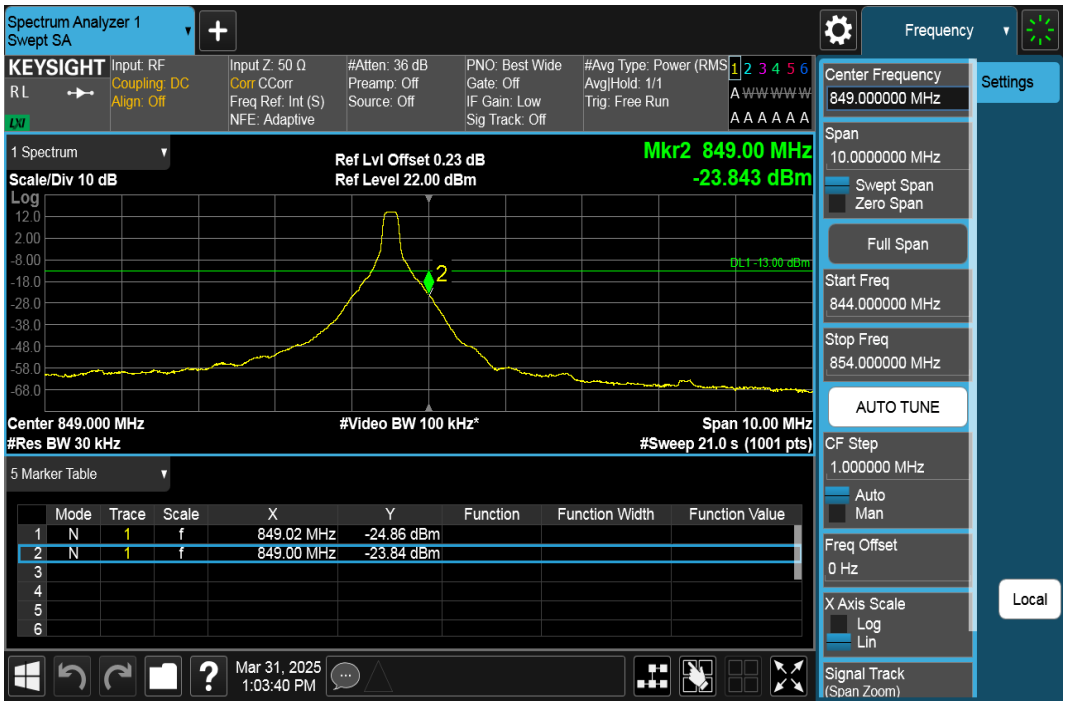
N5-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N5-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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

N5-15M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



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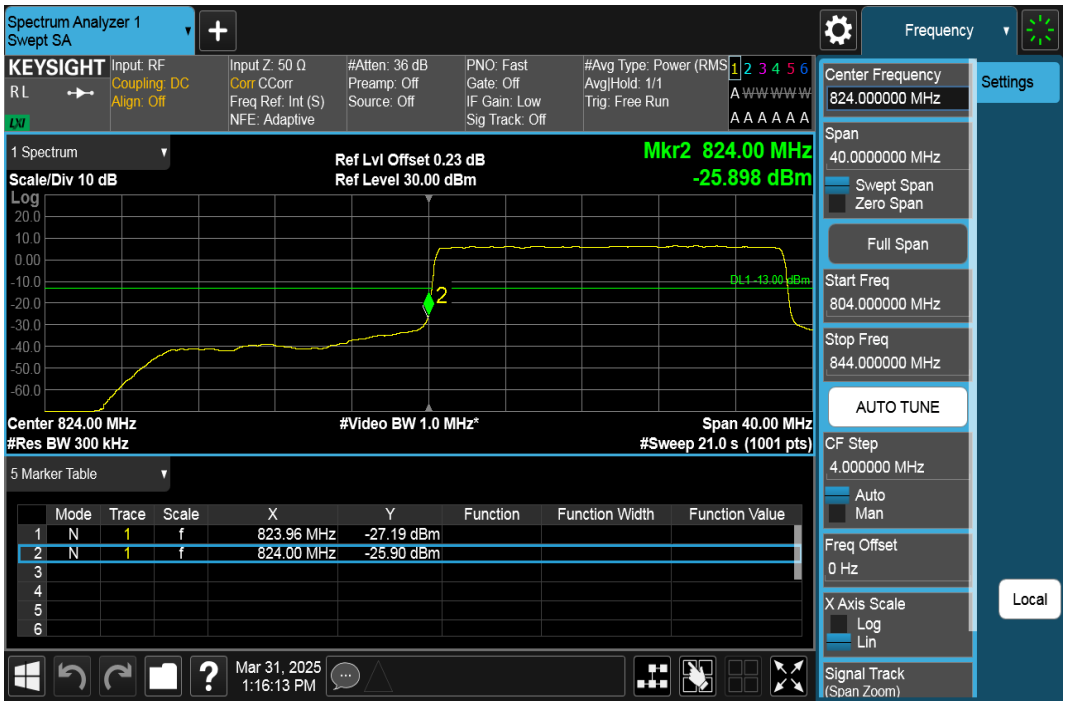

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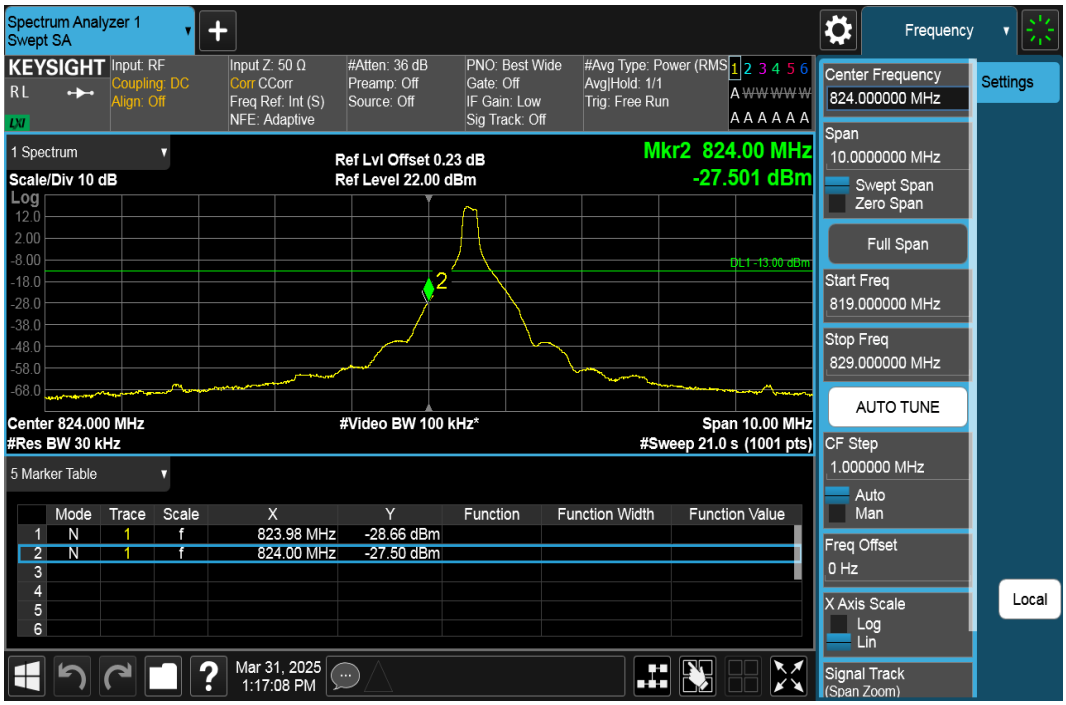

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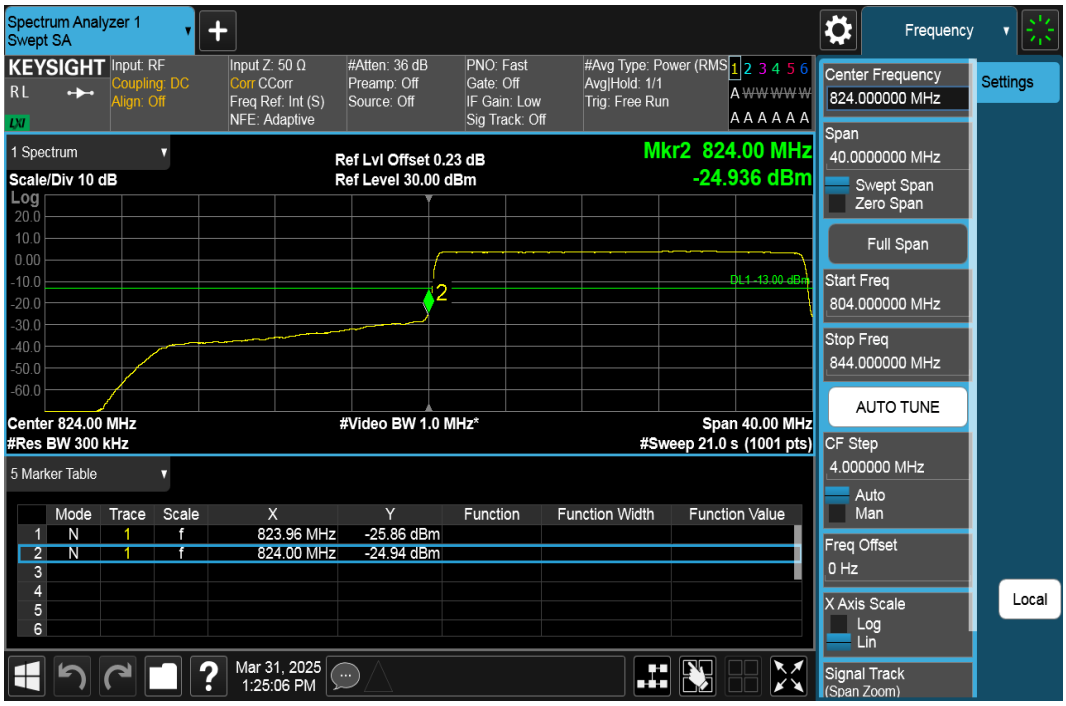
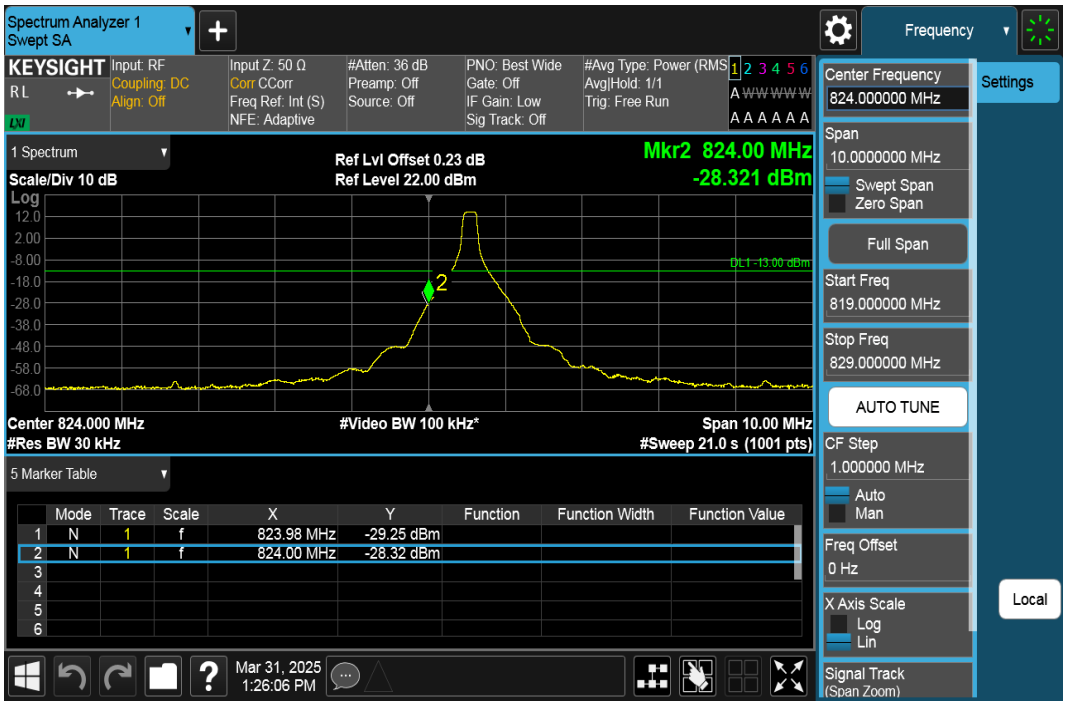
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