99% & 26dB Bandwidth

Test Result

5G NR N12 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	4.4877	5.173	/	Pass
CP-OFDM QPSK		Outer_Full	4.5083	5.161	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.4719	5.023	/	Pass
CP-OFDM QPSK		Outer_Full	4.4927	5.212	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.4799	5.022	/	Pass
CP-OFDM QPSK		Outer_Full	4.5052	5.309	/	Pass

5G NR N12 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	8.9553	9.699	/	Pass
CP-OFDM QPSK		Outer_Full	9.3449	10.08	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.9527	9.809	/	Pass
CP-OFDM QPSK		Outer_Full	9.3136	10.11	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.9328	9.656	/	Pass
CP-OFDM QPSK		Outer_Full	9.3295	10.06	/	Pass

5G NR N12 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	13.515	14.35	/	Pass
CP-OFDM QPSK		Outer_Full	14.172	15.19	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.492	14.55	/	Pass
CP-OFDM QPSK		Outer_Full	14.192	15.03	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.495	14.35	/	Pass
CP-OFDM QPSK		Outer_Full	14.173	15.09	/	Pass

Peak-Average Ratio

Test Result

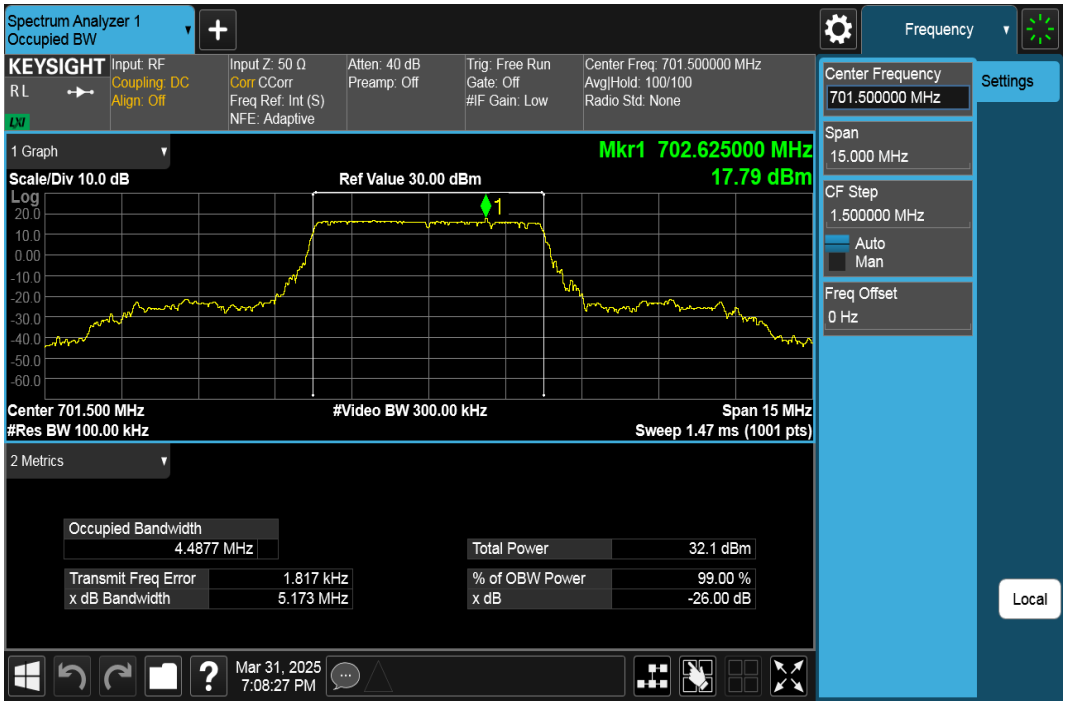
5G NR N12 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.7	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.02	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.75	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.06	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.4	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.02	<=13	Pass

5G NR N12 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.84	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.13	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.78	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.21	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.78	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.4	<=13	Pass

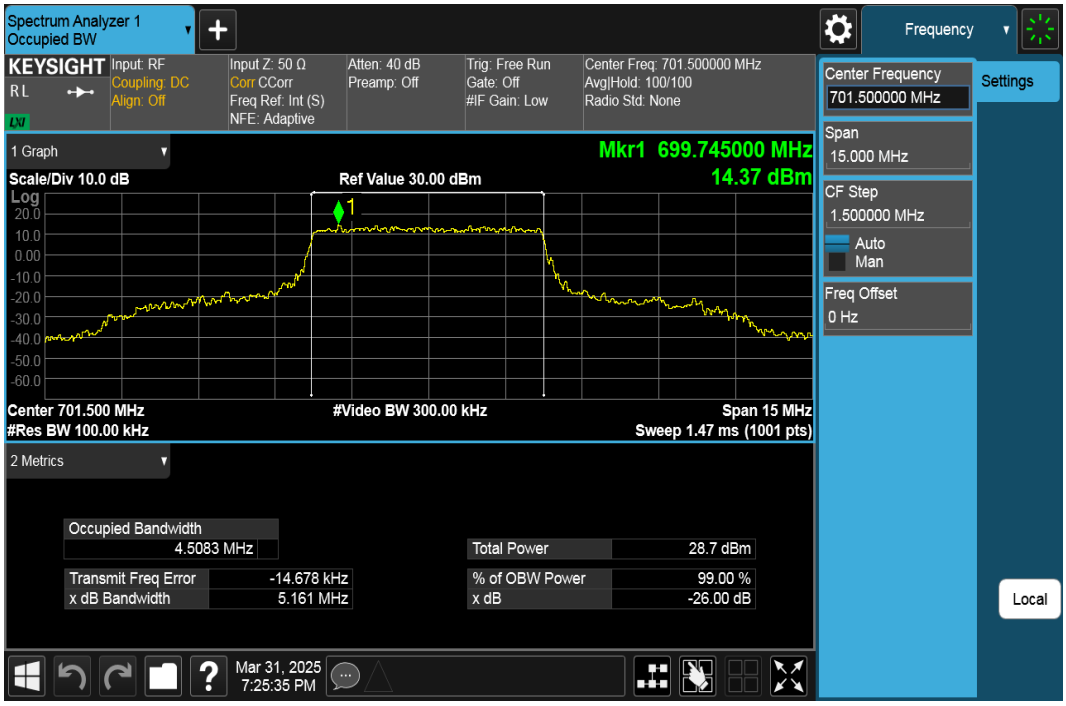
5G NR N12 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.03	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.29	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.76	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.35	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.37	<=13	Pass

OBW Test graph

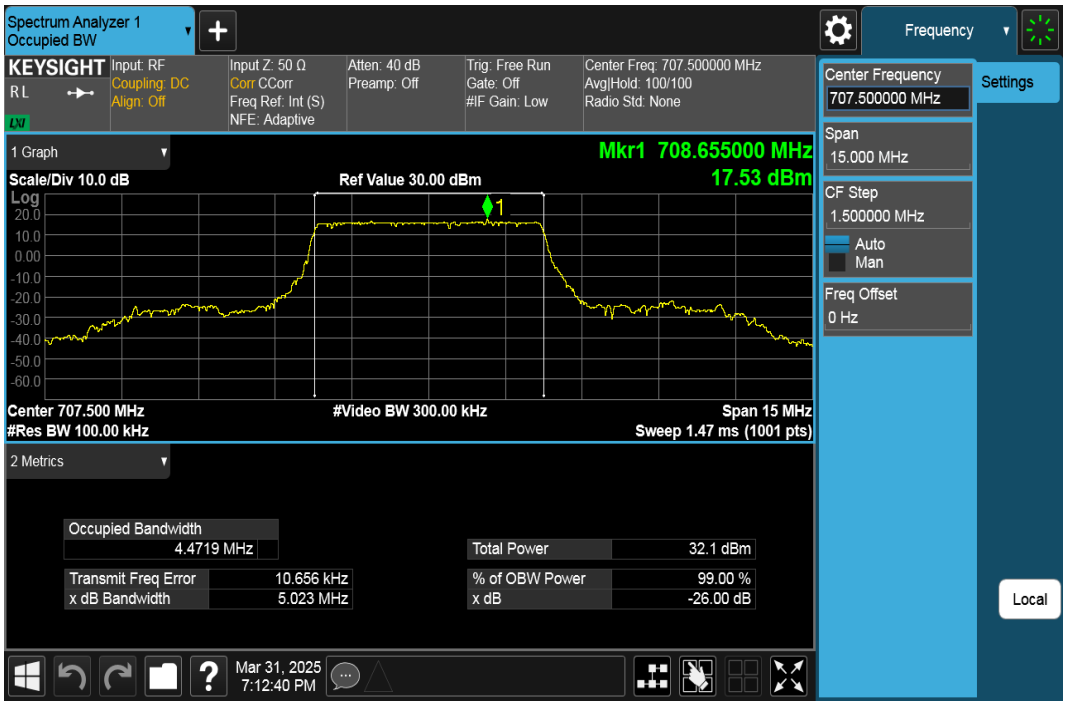
N12-5M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



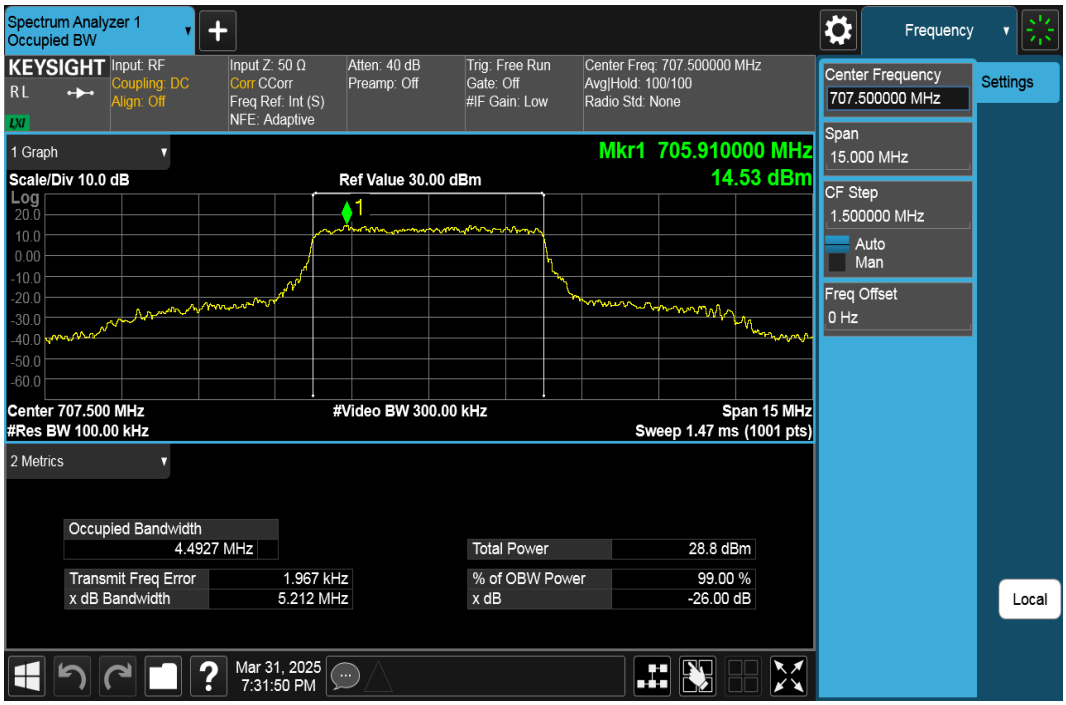
N12-5M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



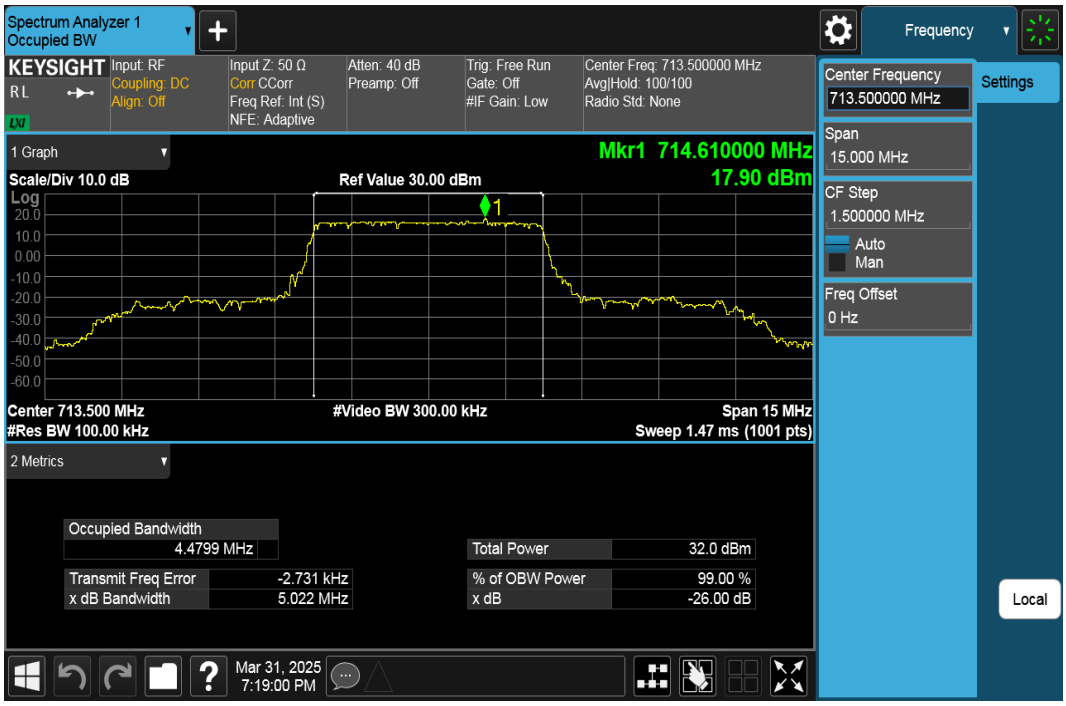
N12-5M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



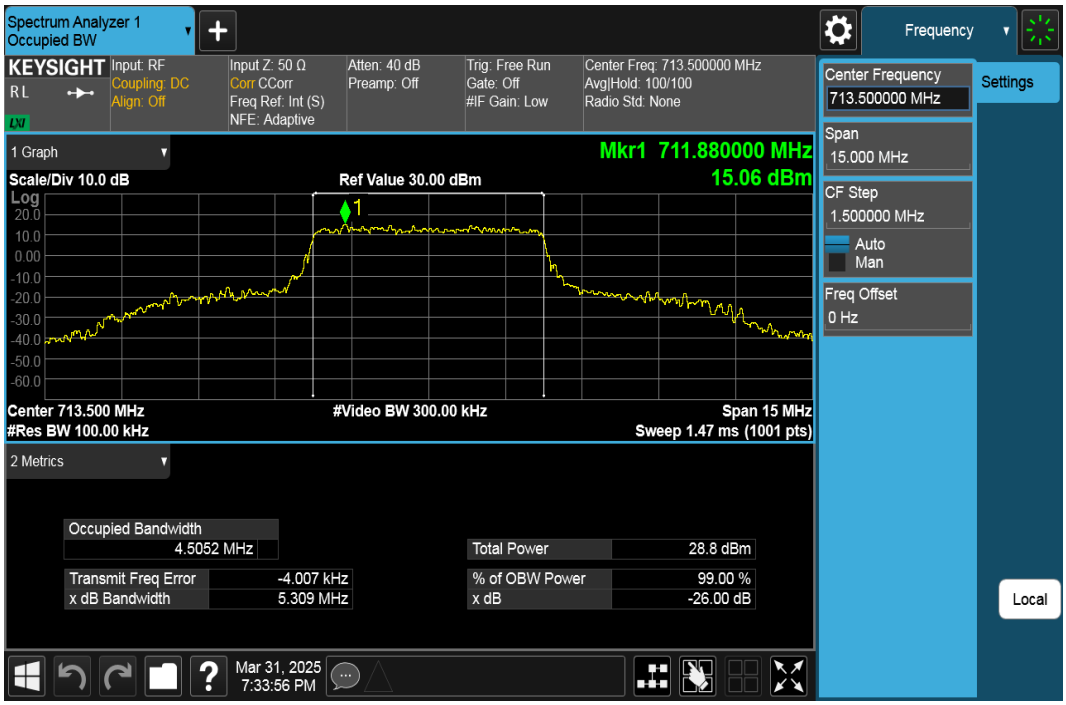
N12-5M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



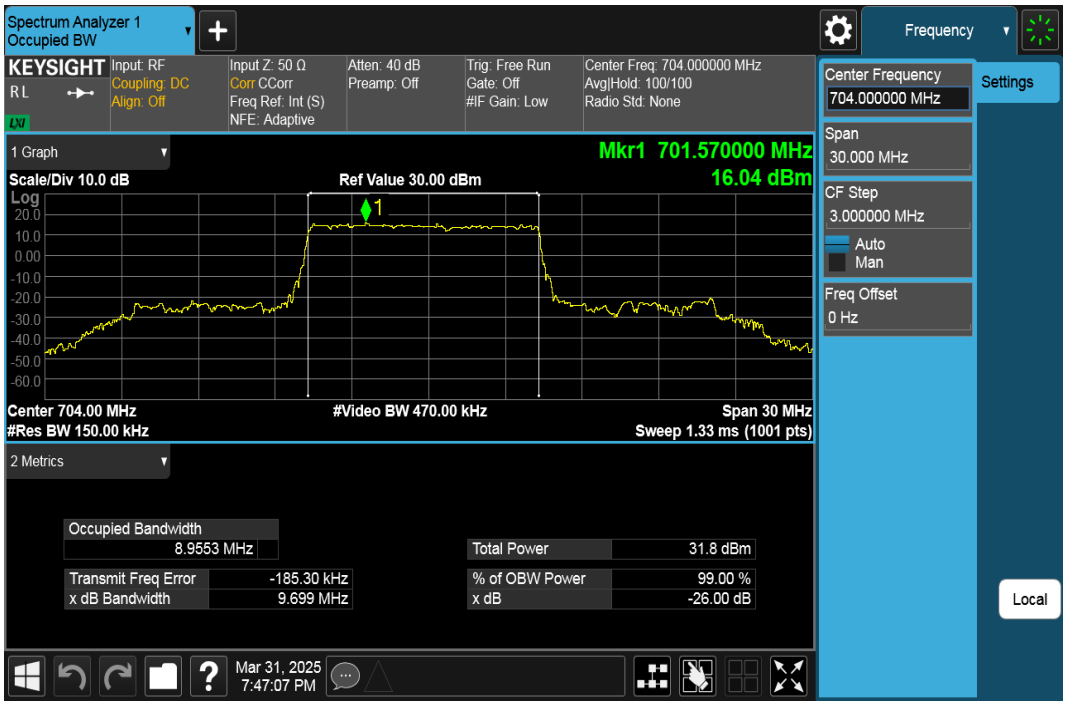
N12-5M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



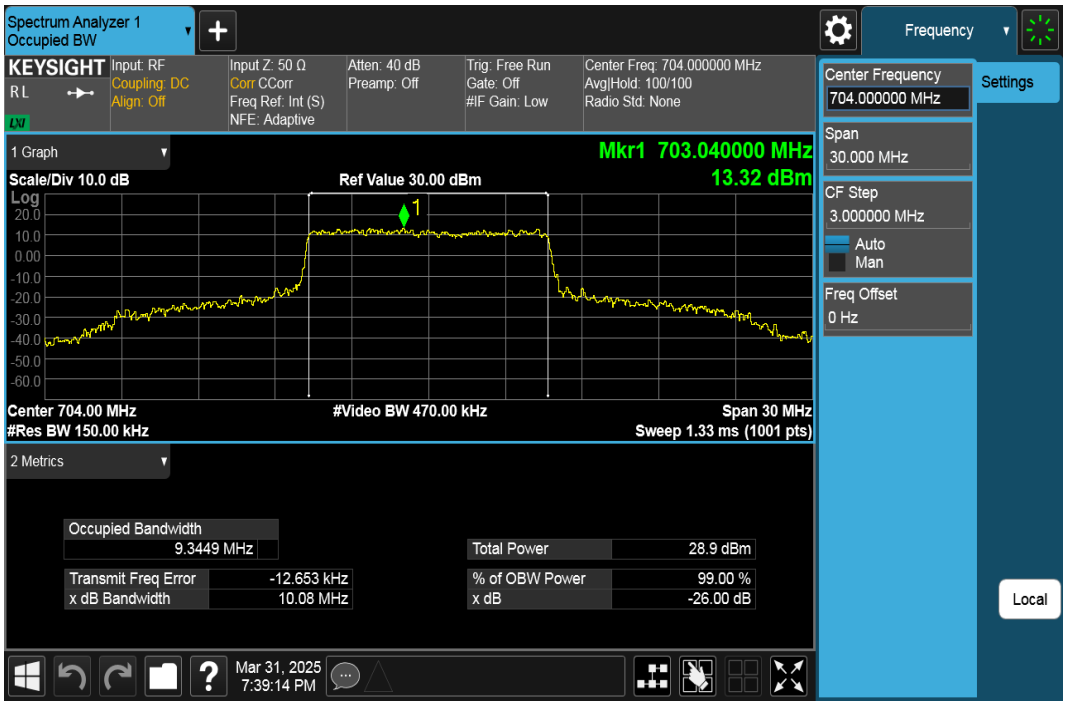
N12-5M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



N12-10M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N12-10M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



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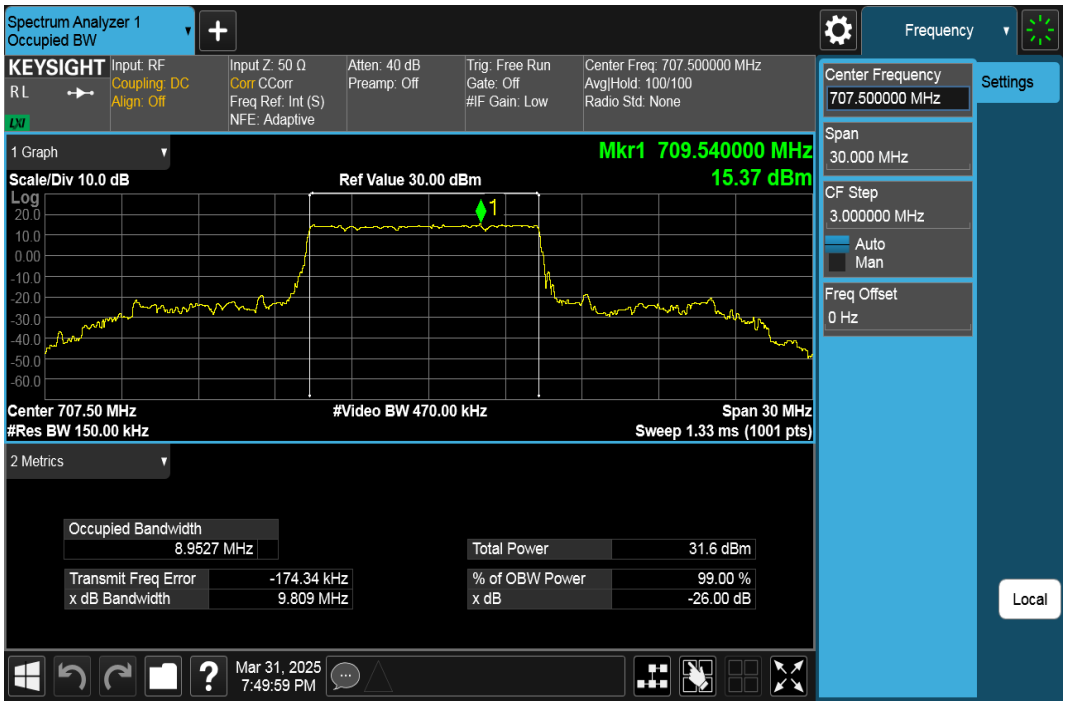
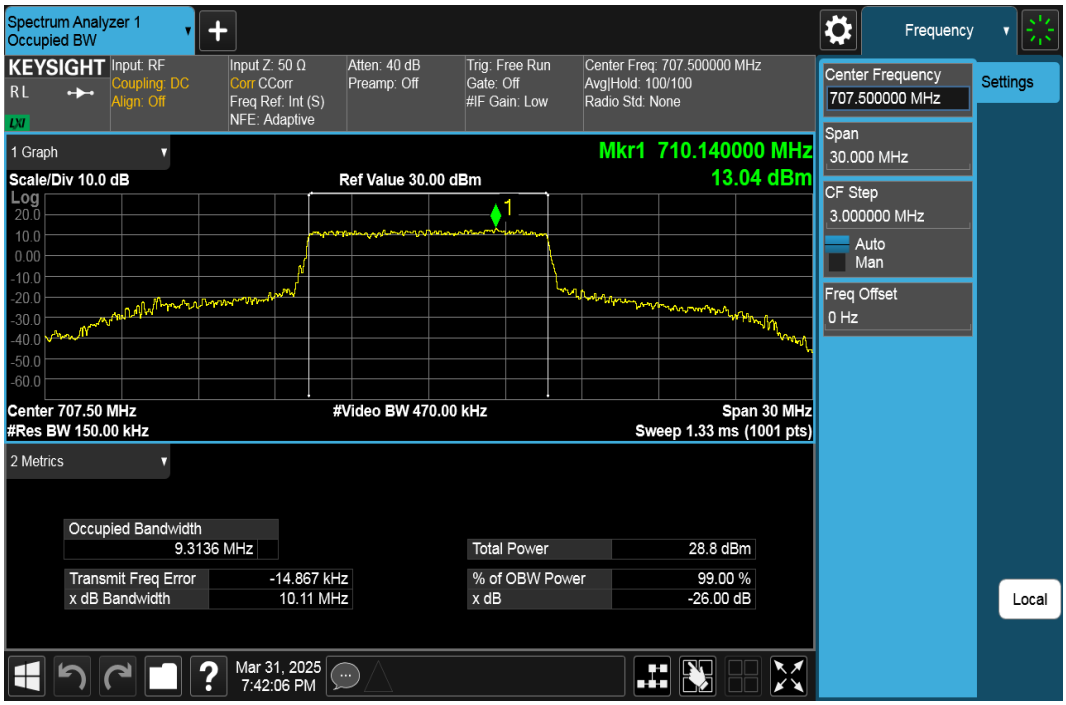
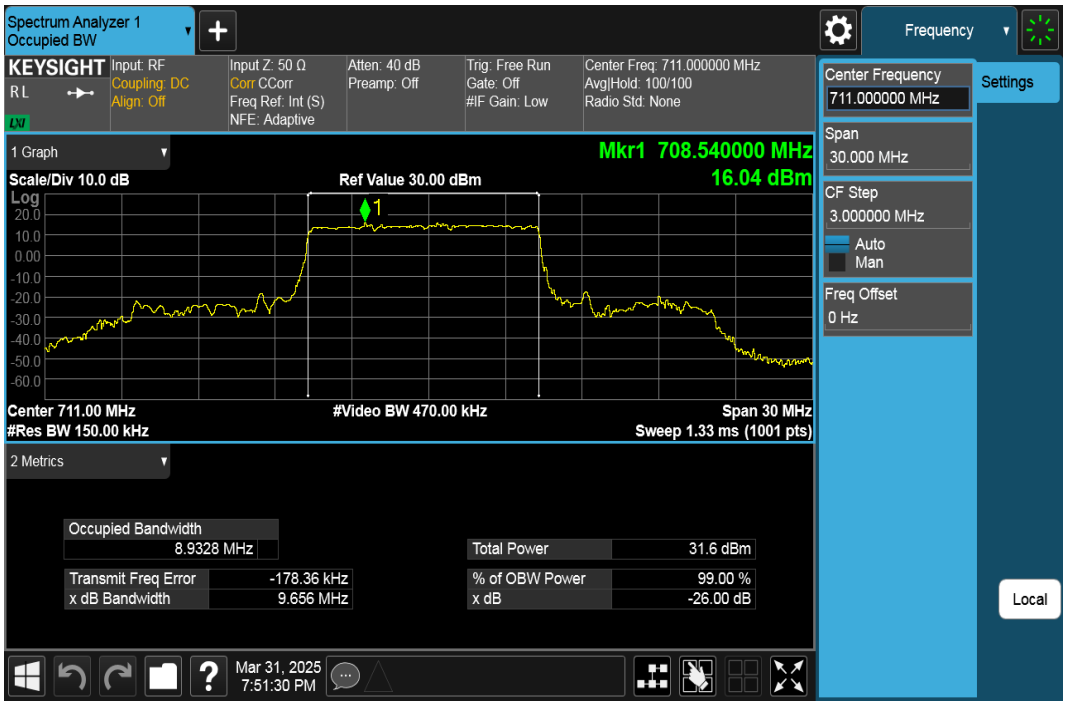


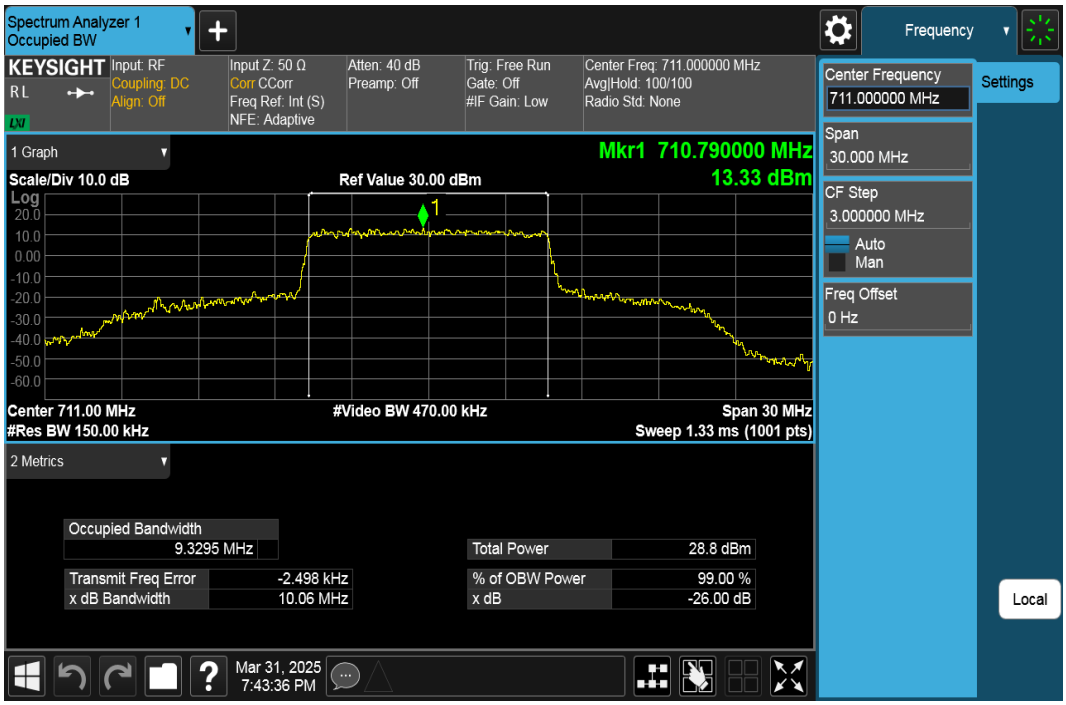
N12-10M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



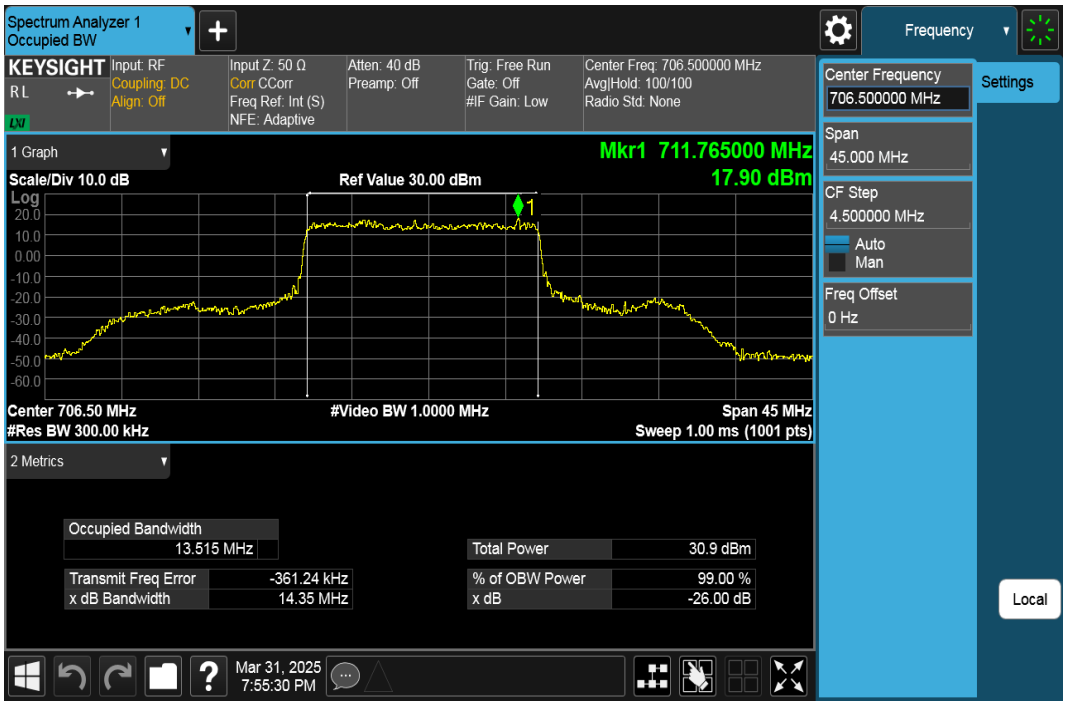
N12-10M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



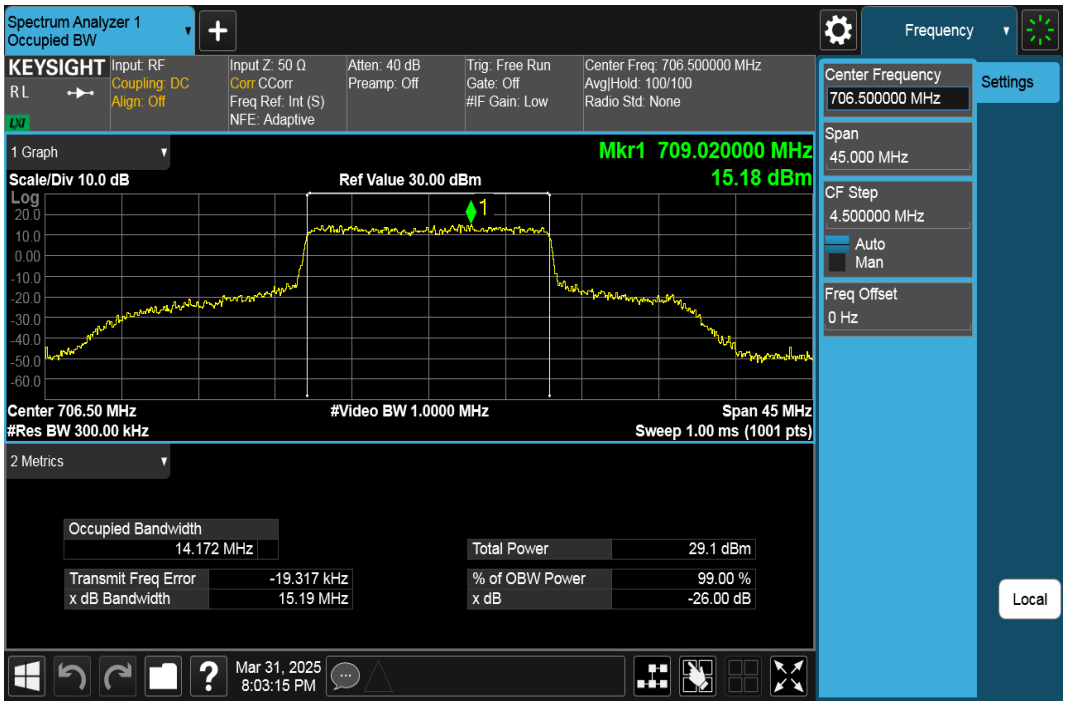
N12-10M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



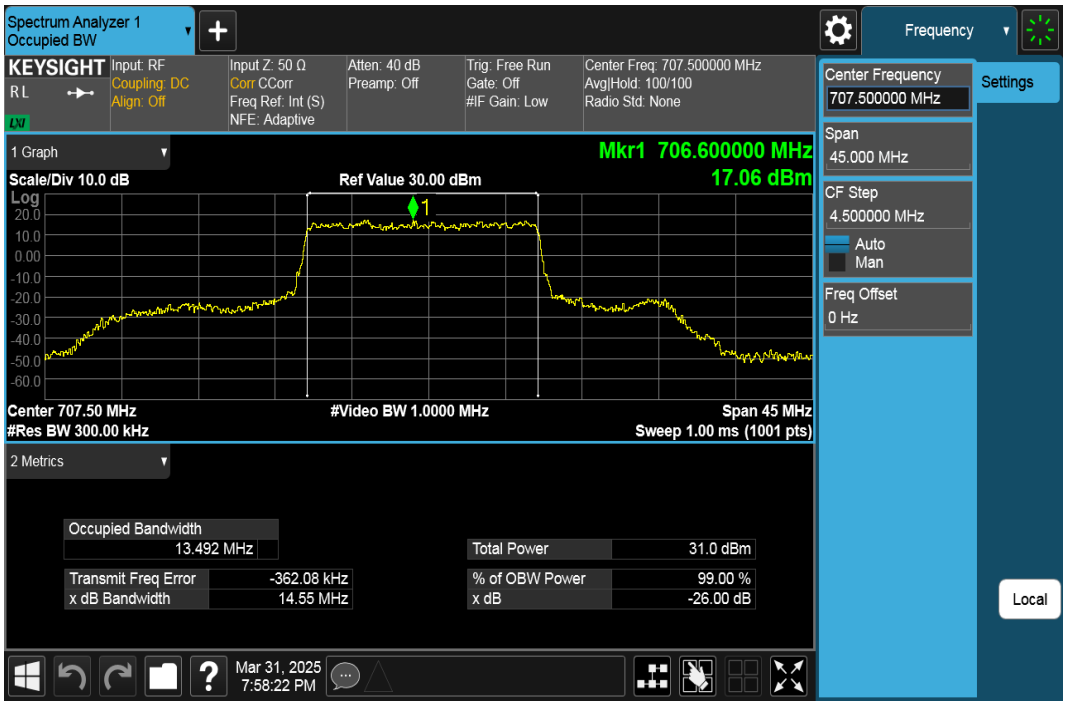
N12-15M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



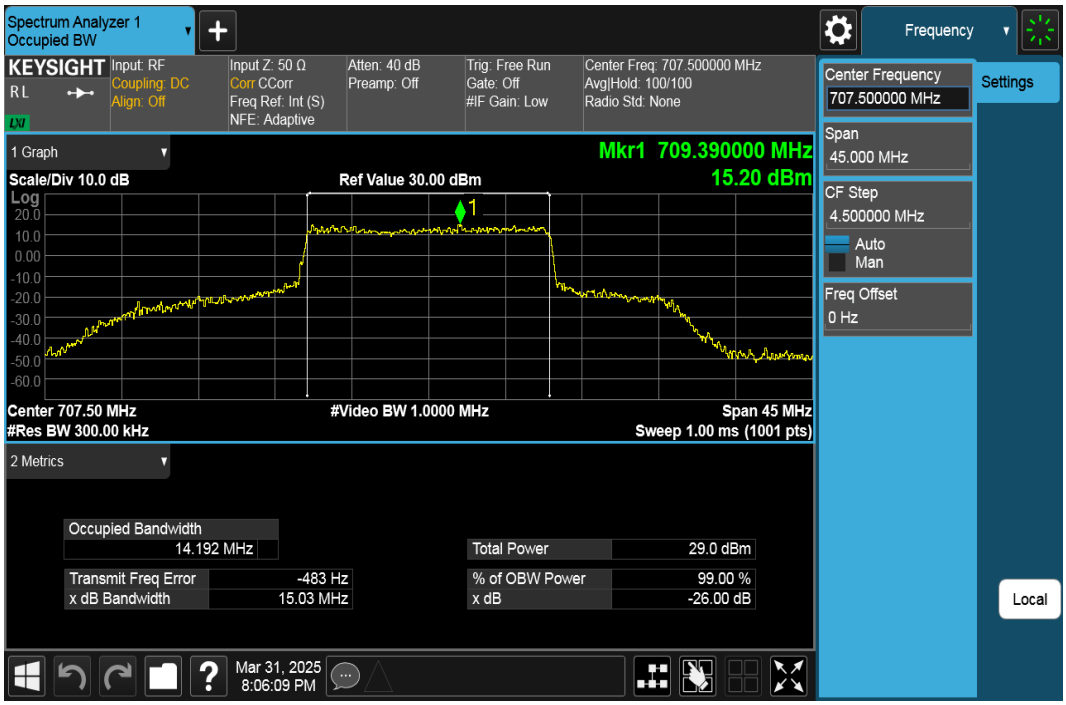
N12-15M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



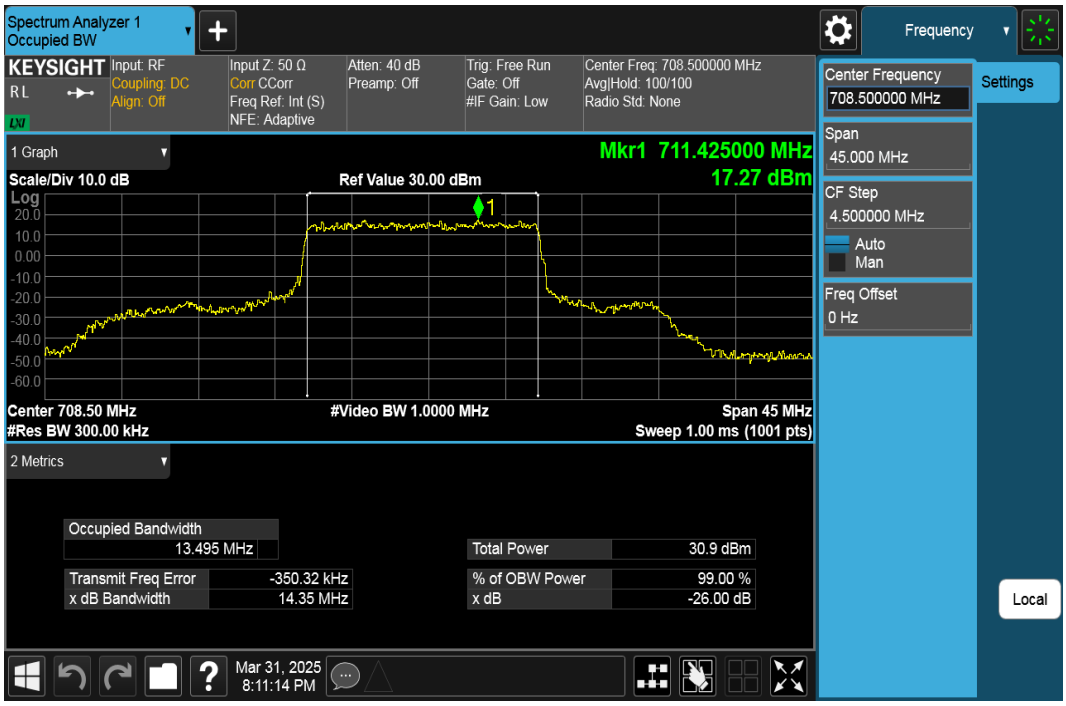
N12-15M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



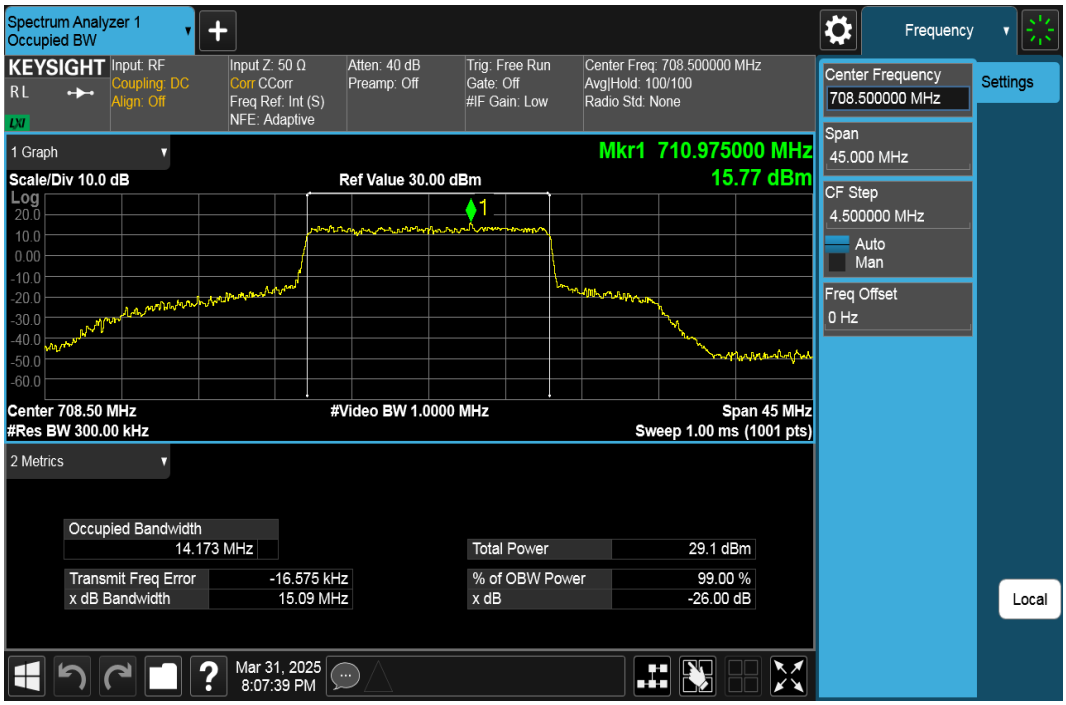
N12-15M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



N12-15M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



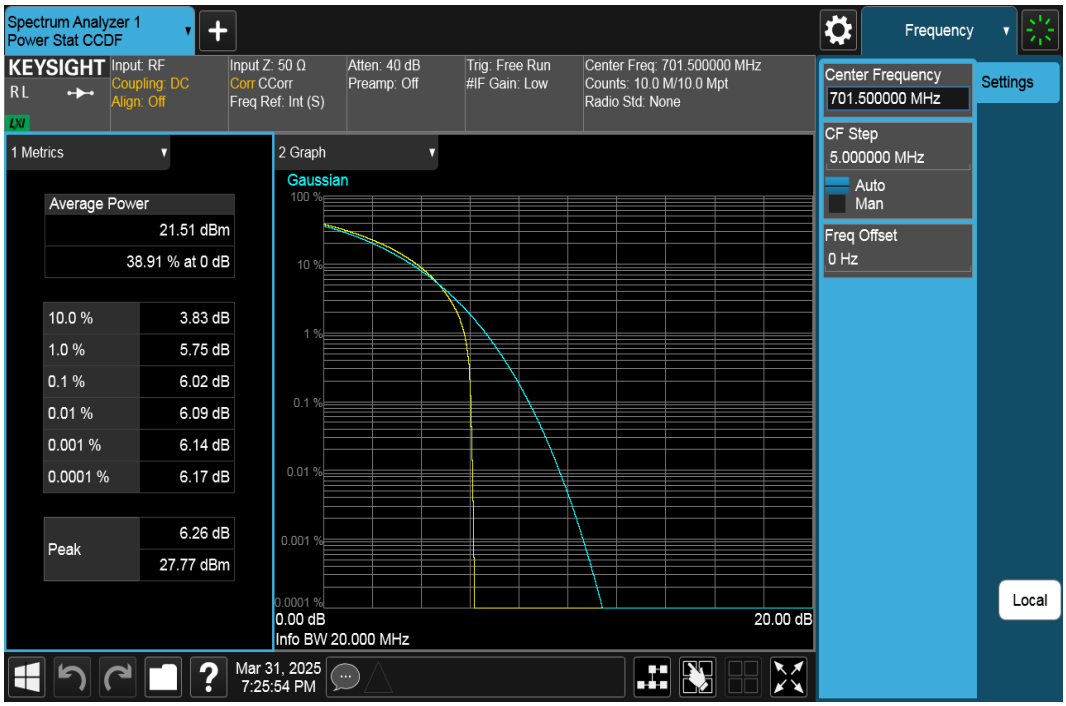
N12-15M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



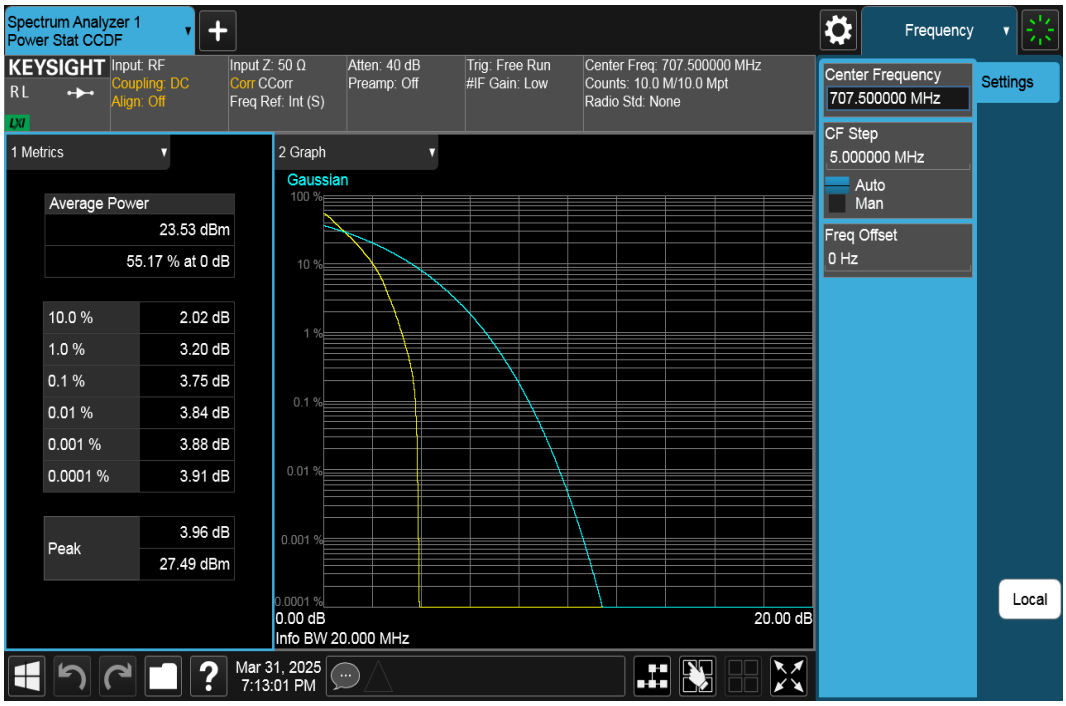
PAPR Test graph

N12-5M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

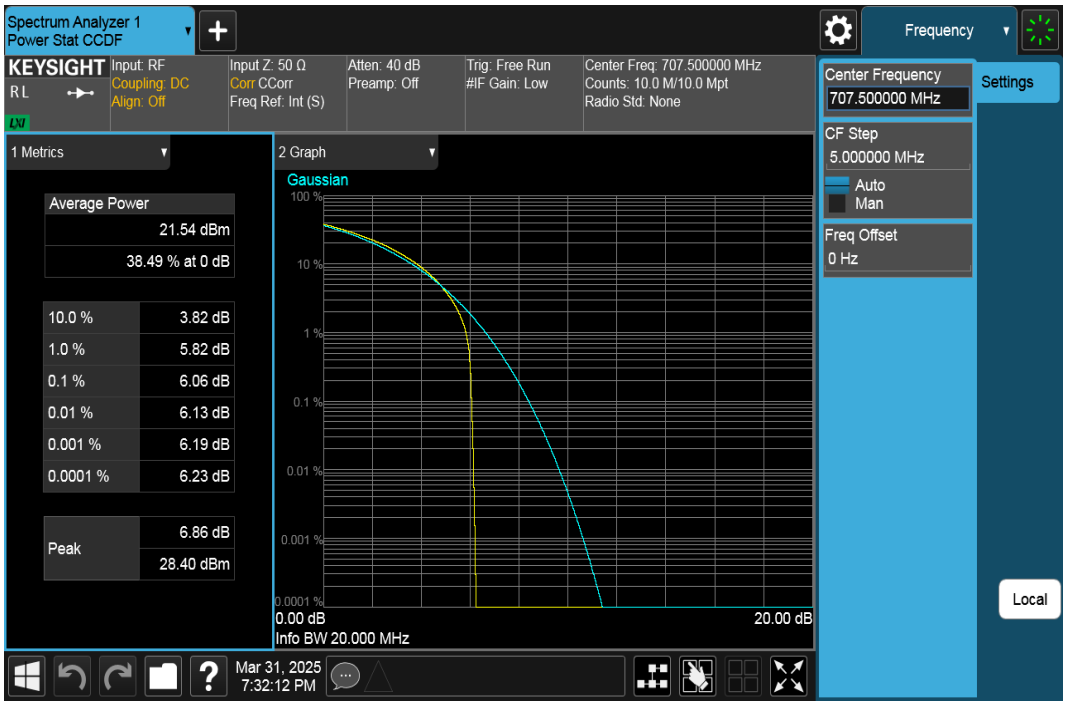
N12-5M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N12-5M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

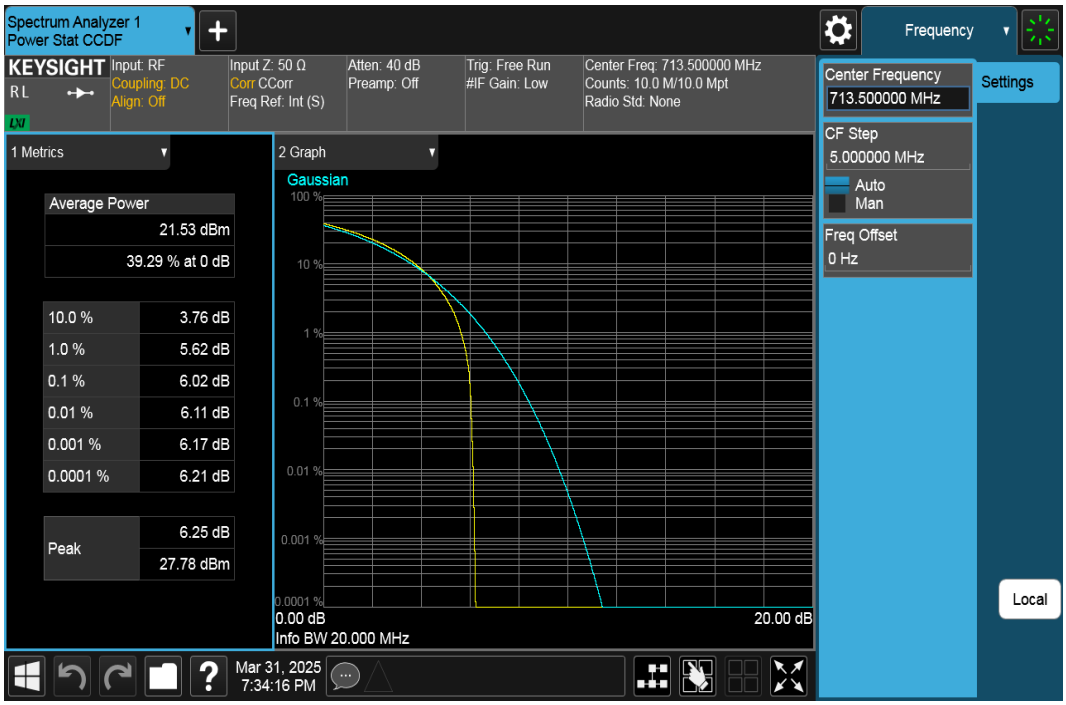


N12-5M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full

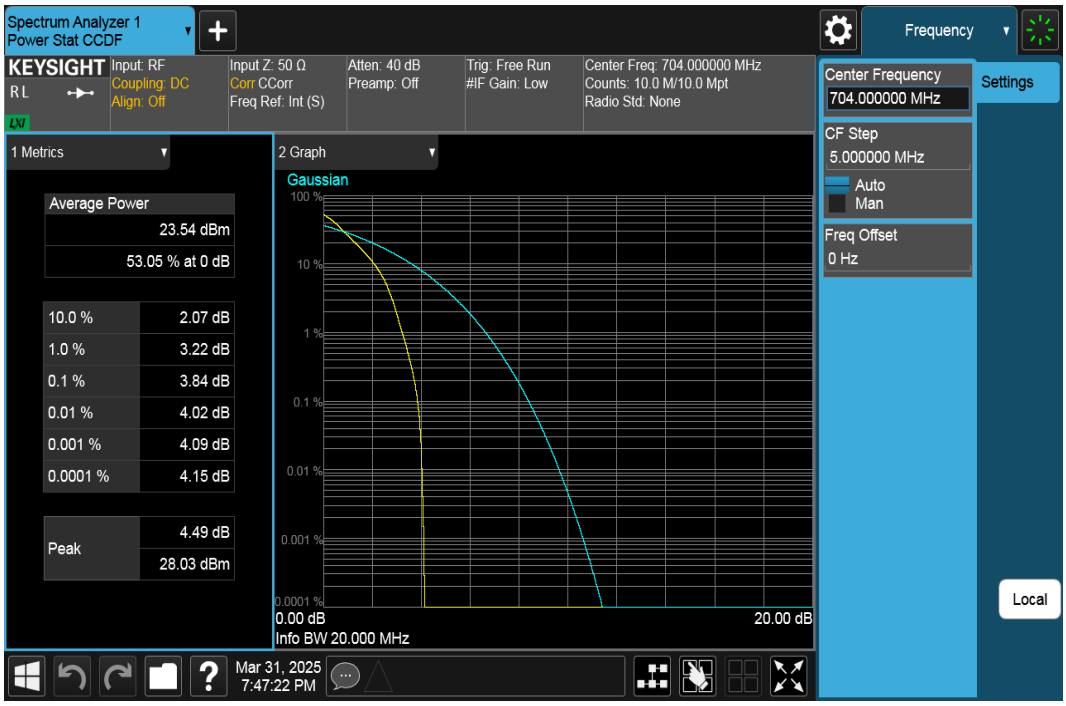


N12-5M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N12-5M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N12-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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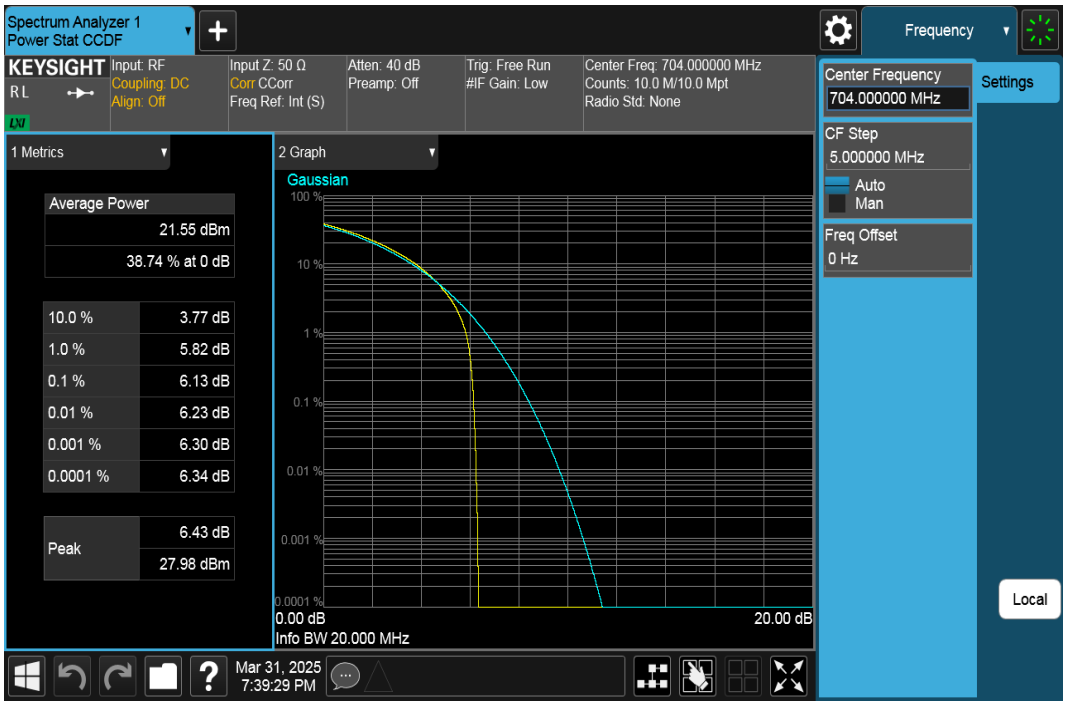

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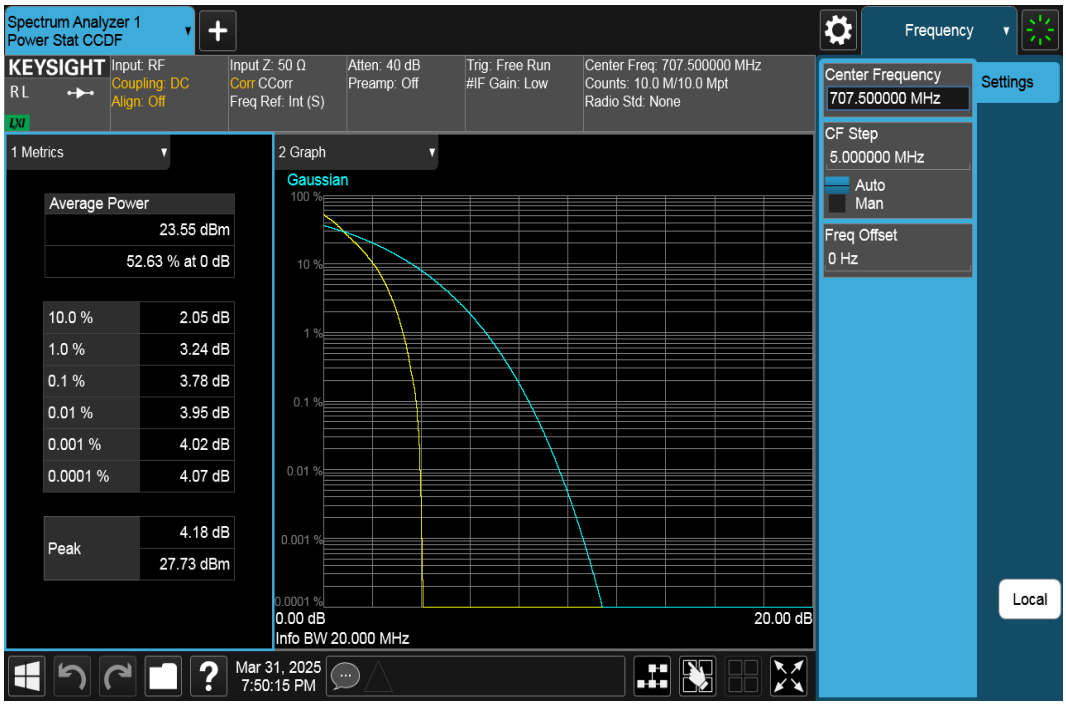
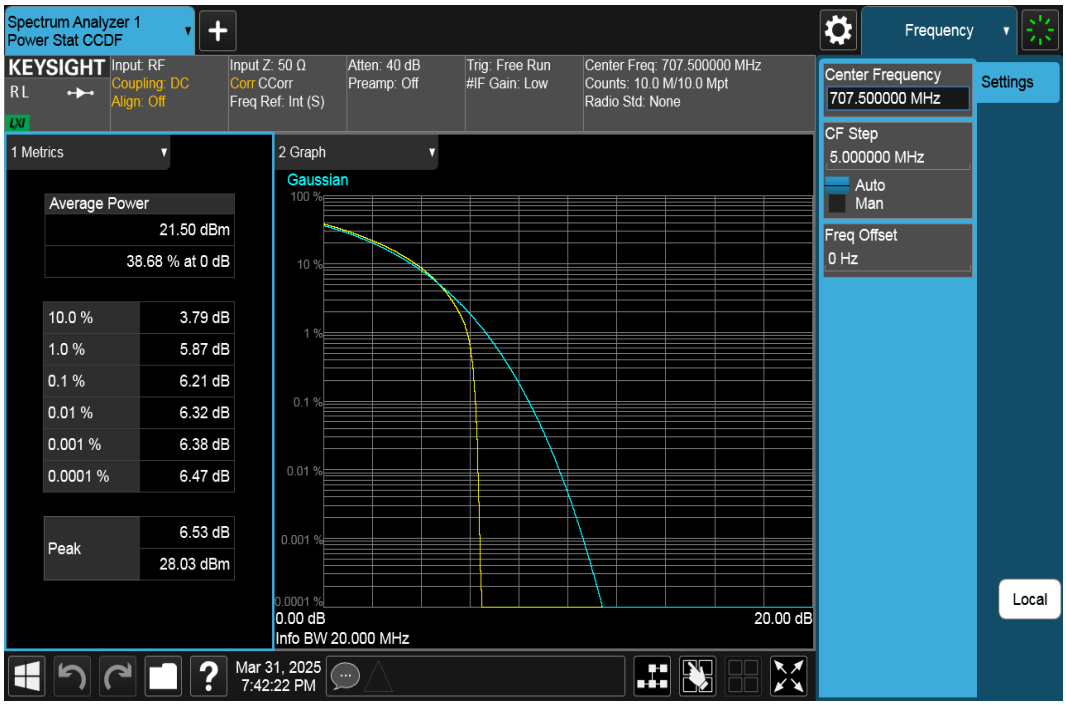
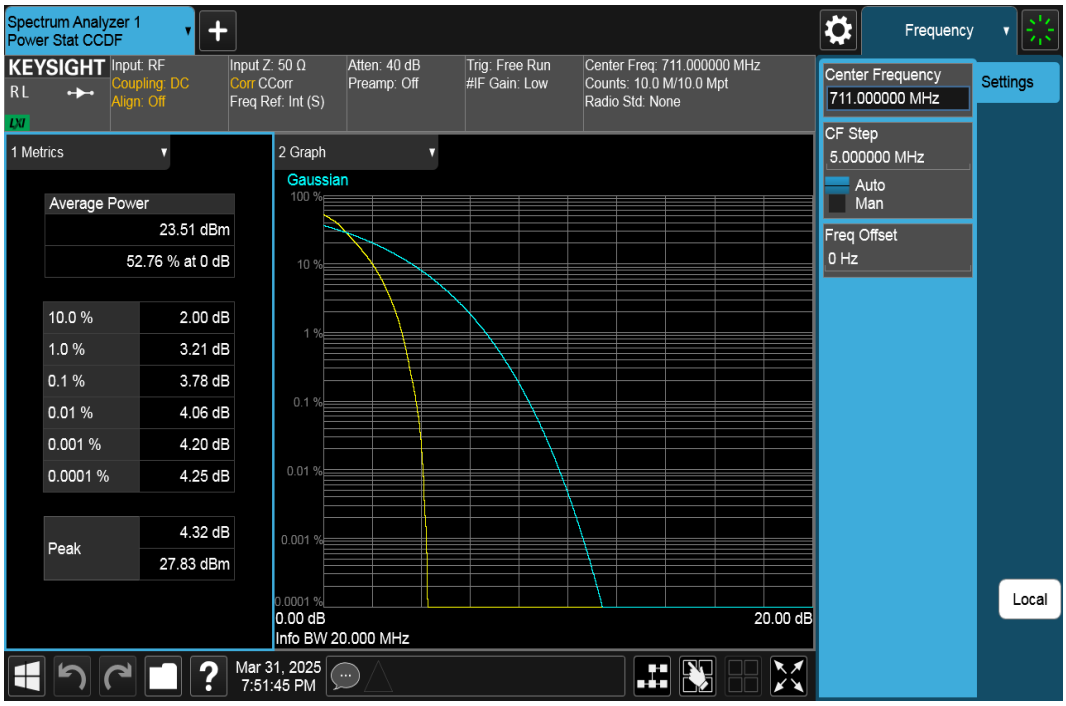


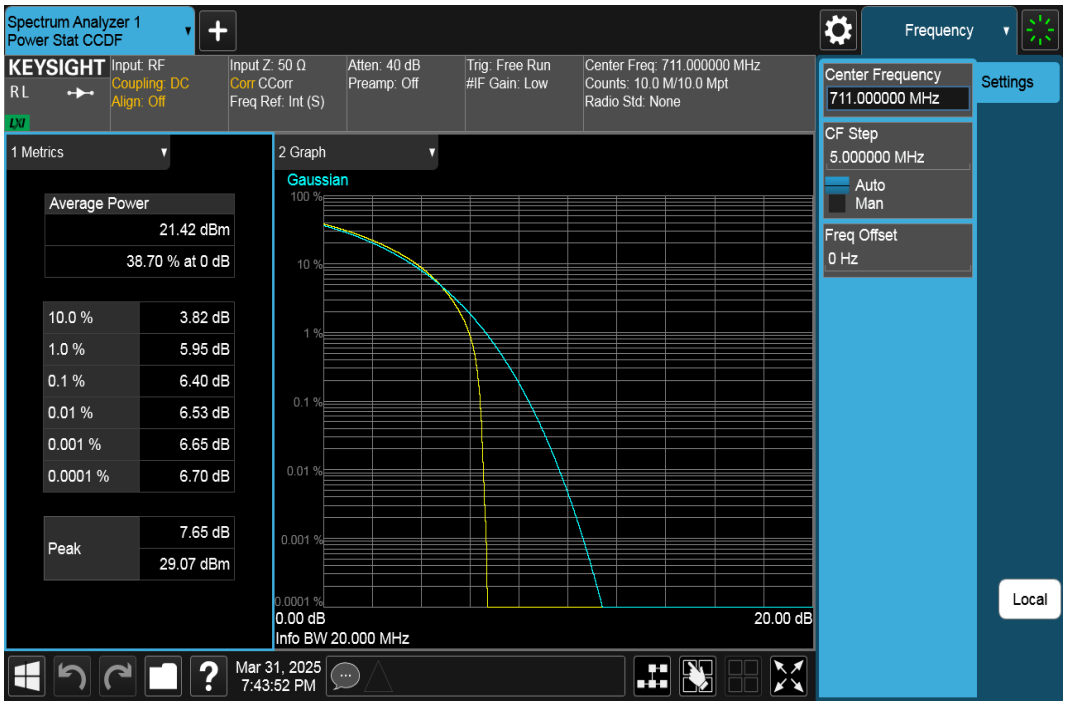
N12-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



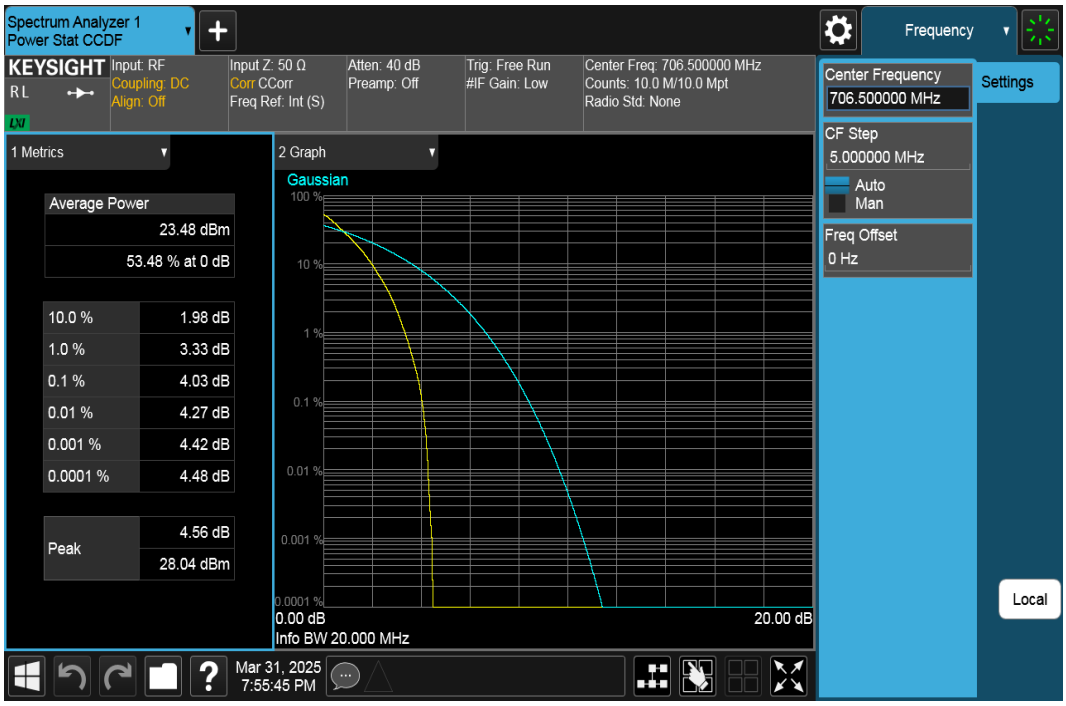
N12-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



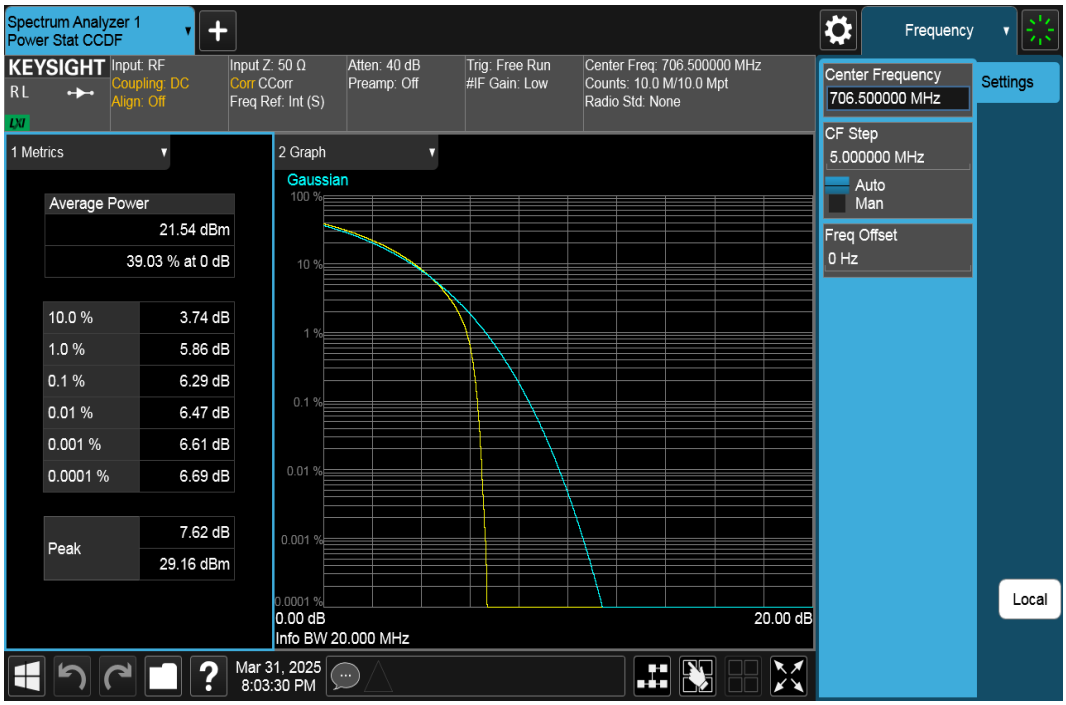
N12-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N12-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

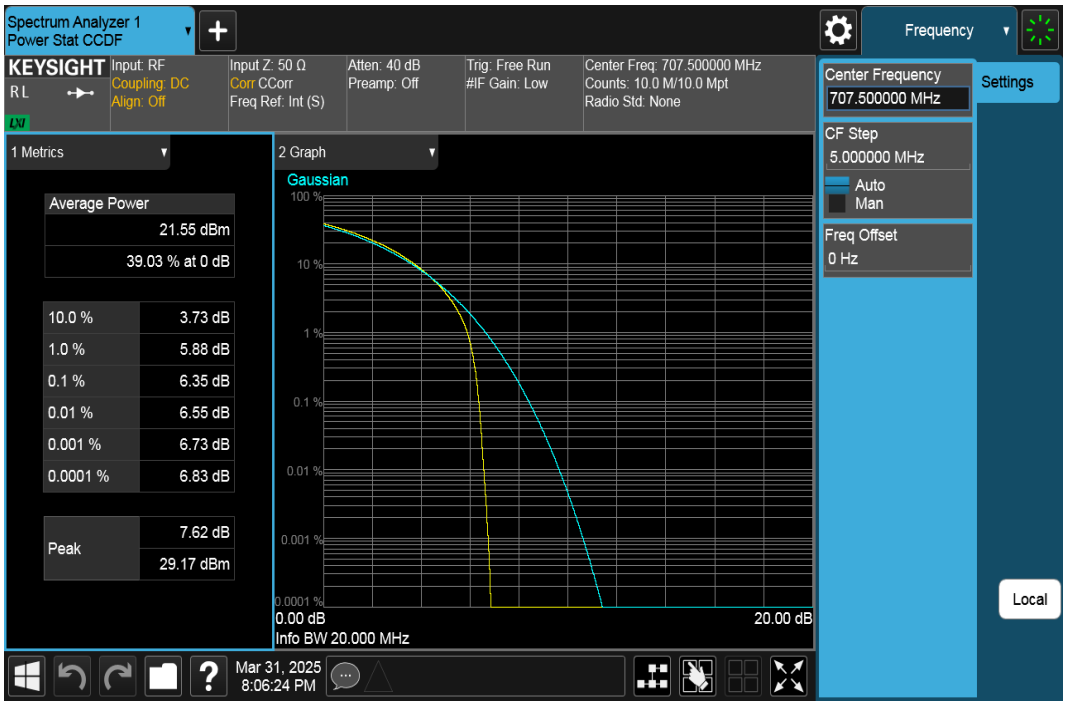


N12-15M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



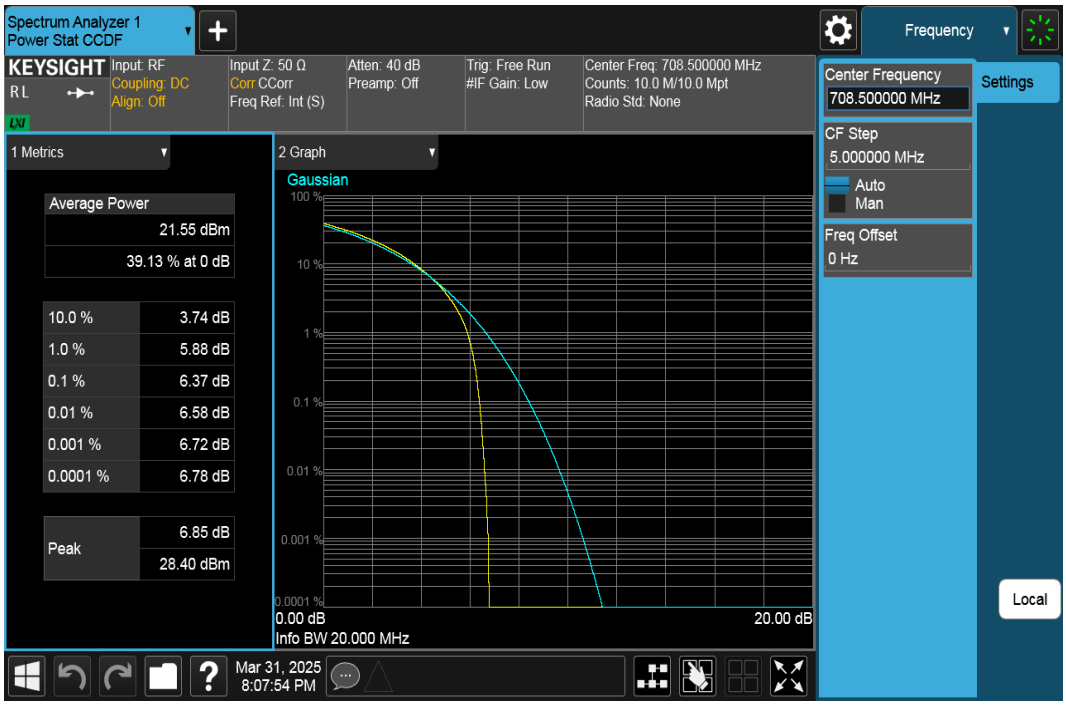
N12-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N12-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N12-15M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

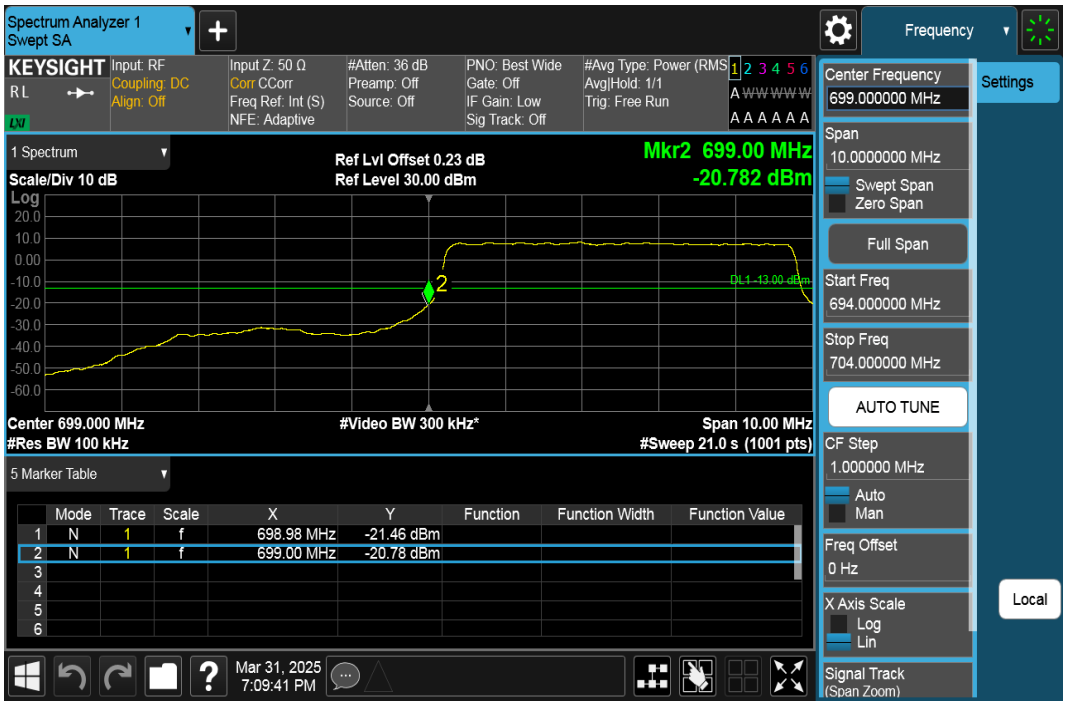
N12-15M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



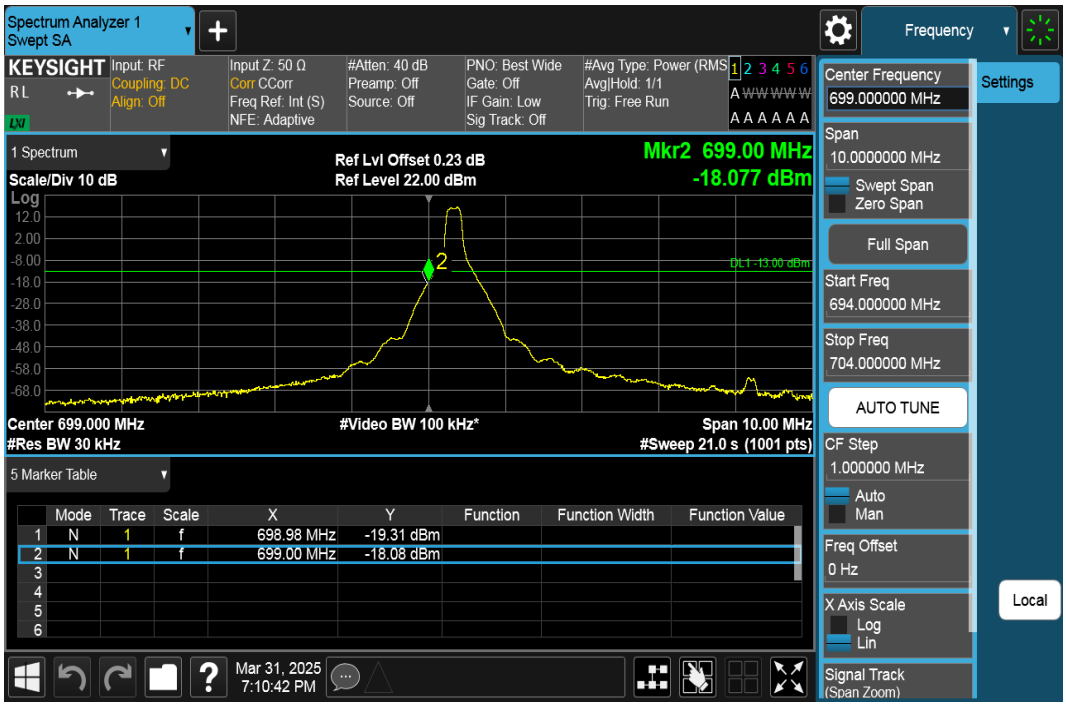
Bandedge

test graph

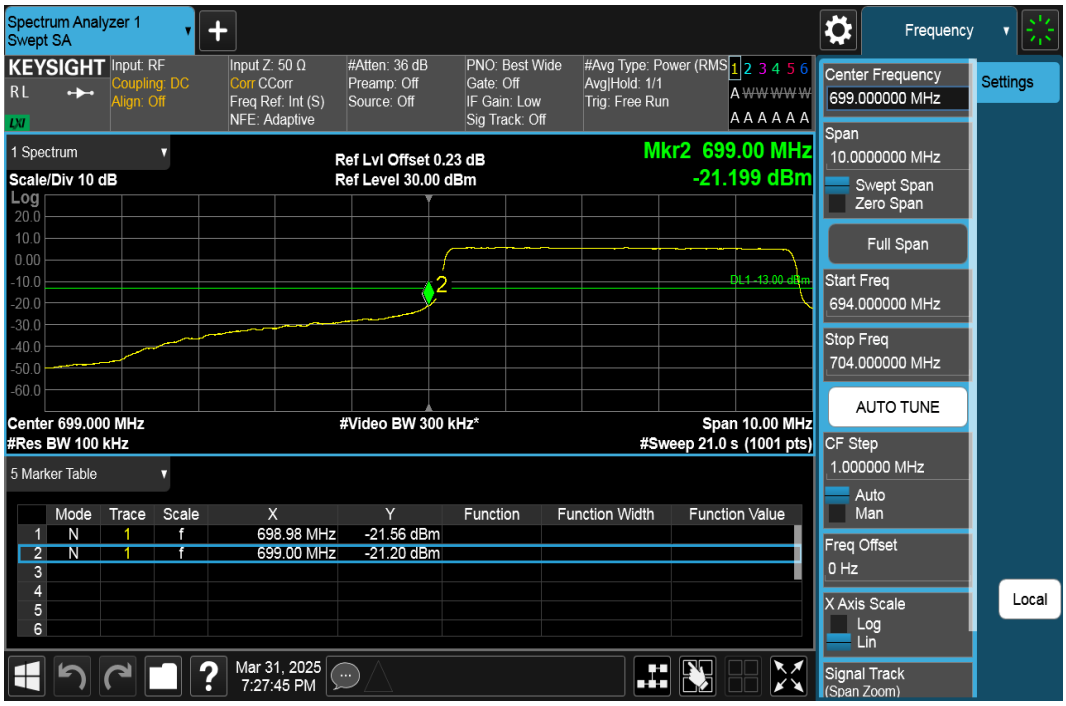
N12-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



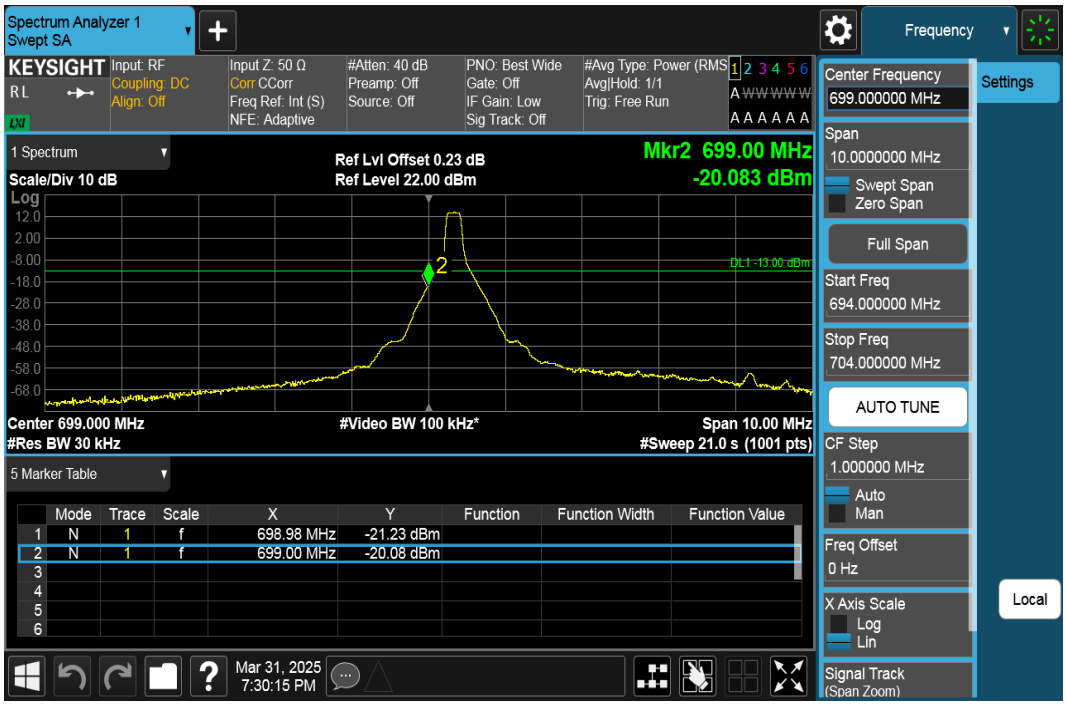
N12-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



N12-5M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full

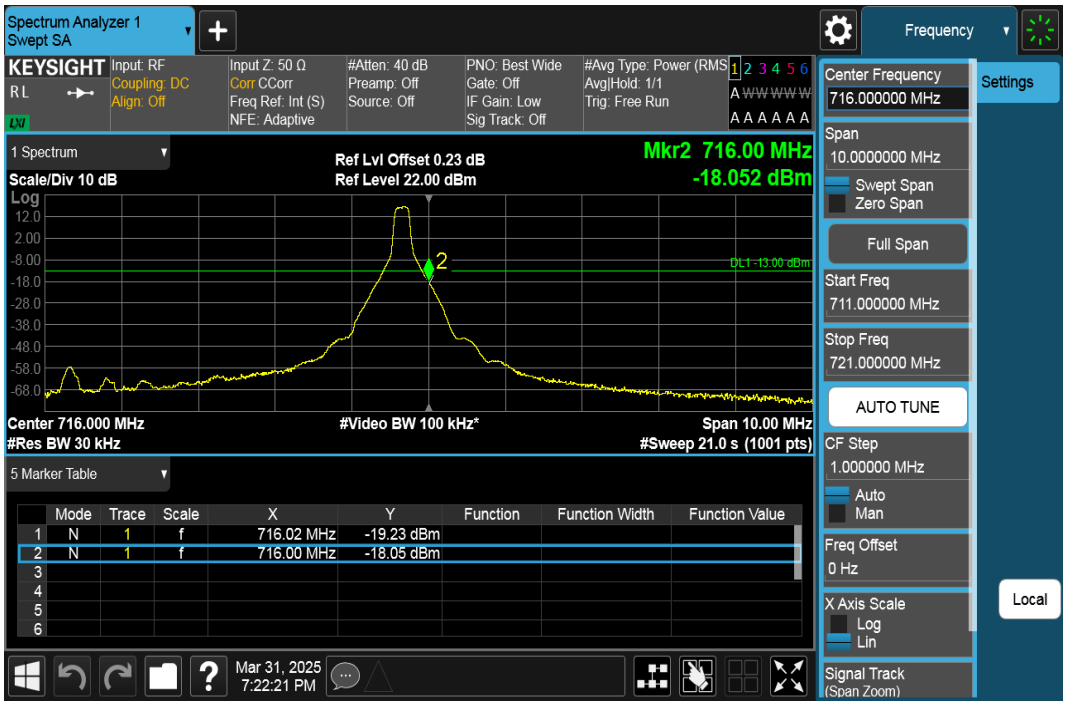


N12-5M-Bandedge-LCH-CP-OFDM-QPSK-1RB0



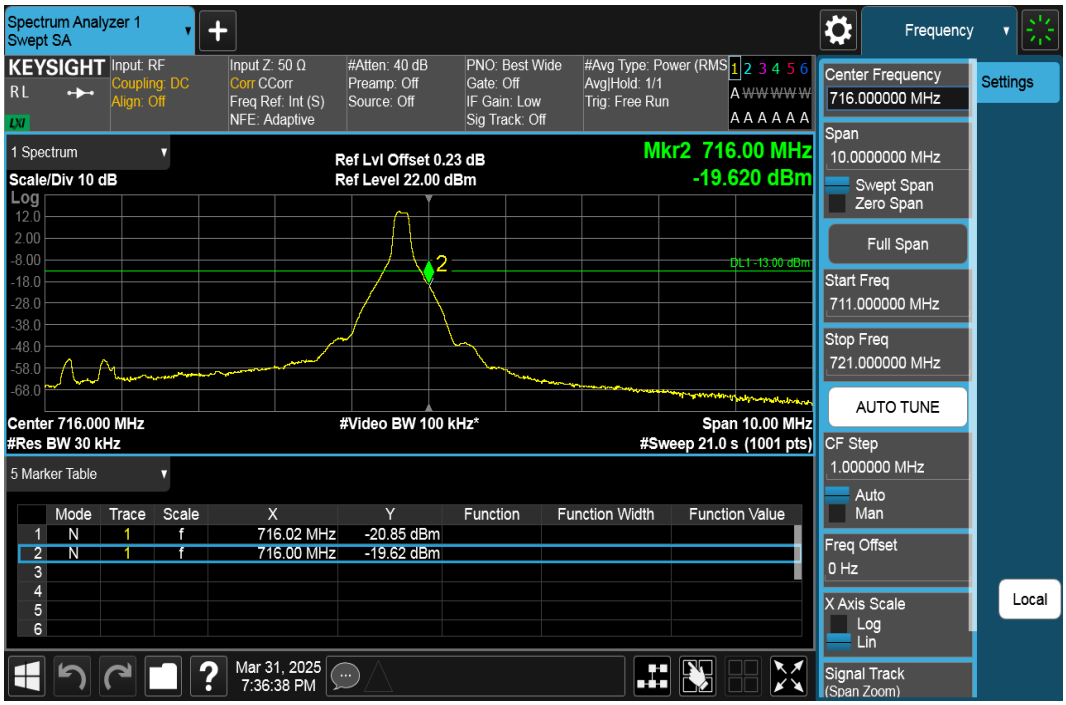
N12-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N12-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

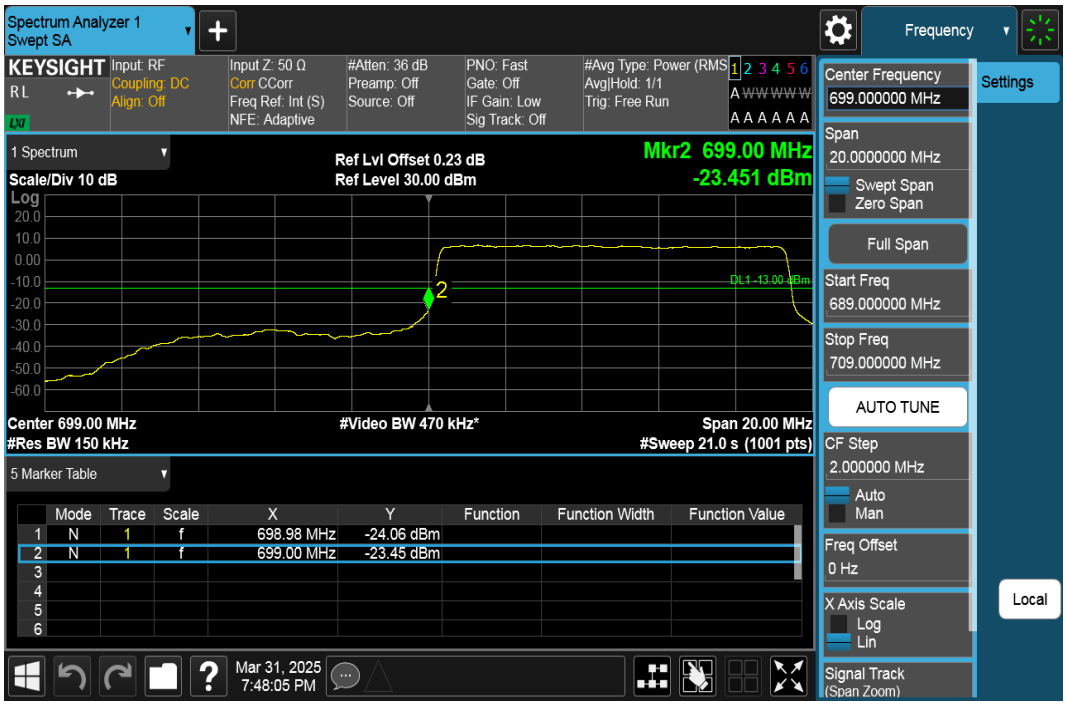


N12-5M-Bandedge-HCH-CP-OFDM-QPSK-Outer_Full

N12-5M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



N12-10M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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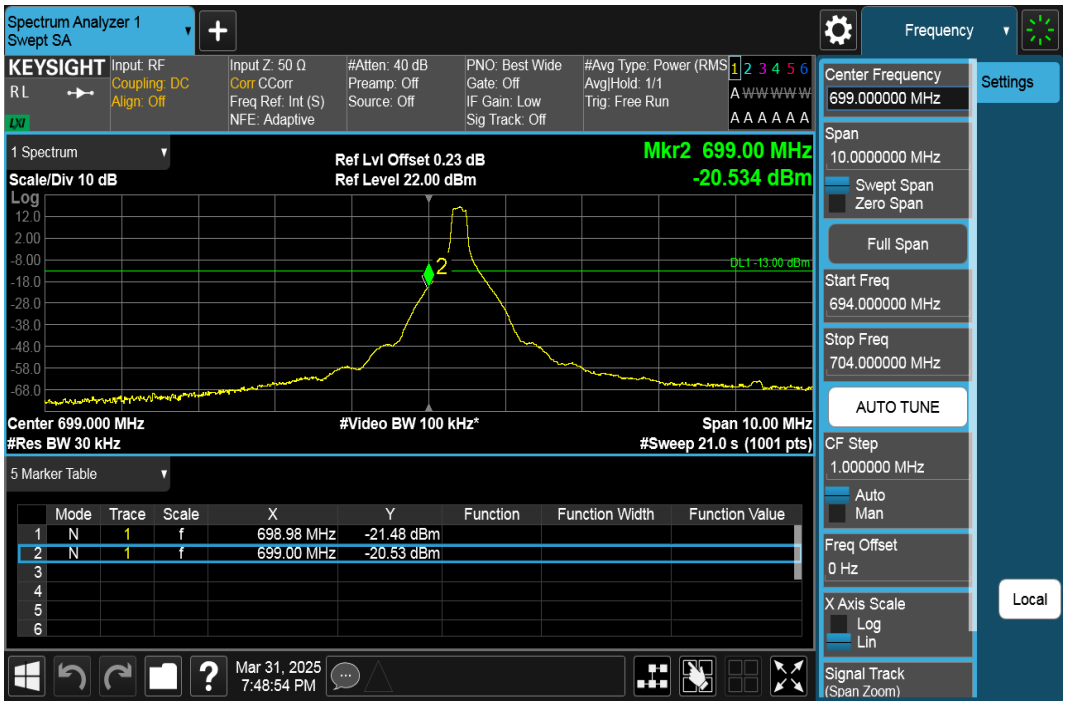

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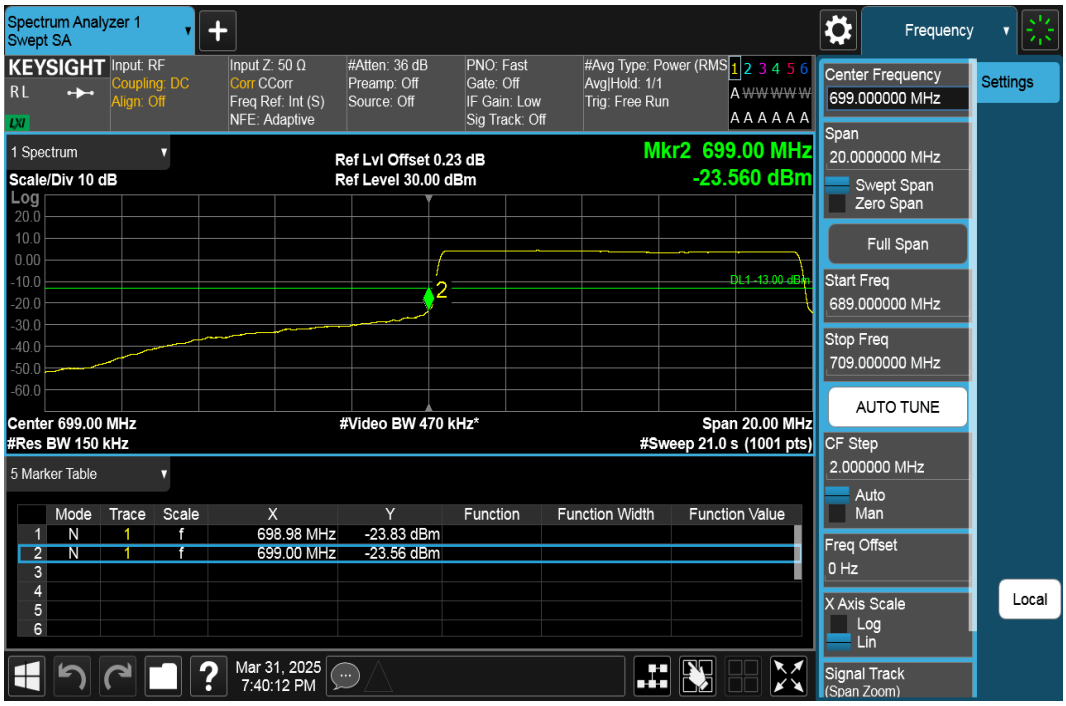

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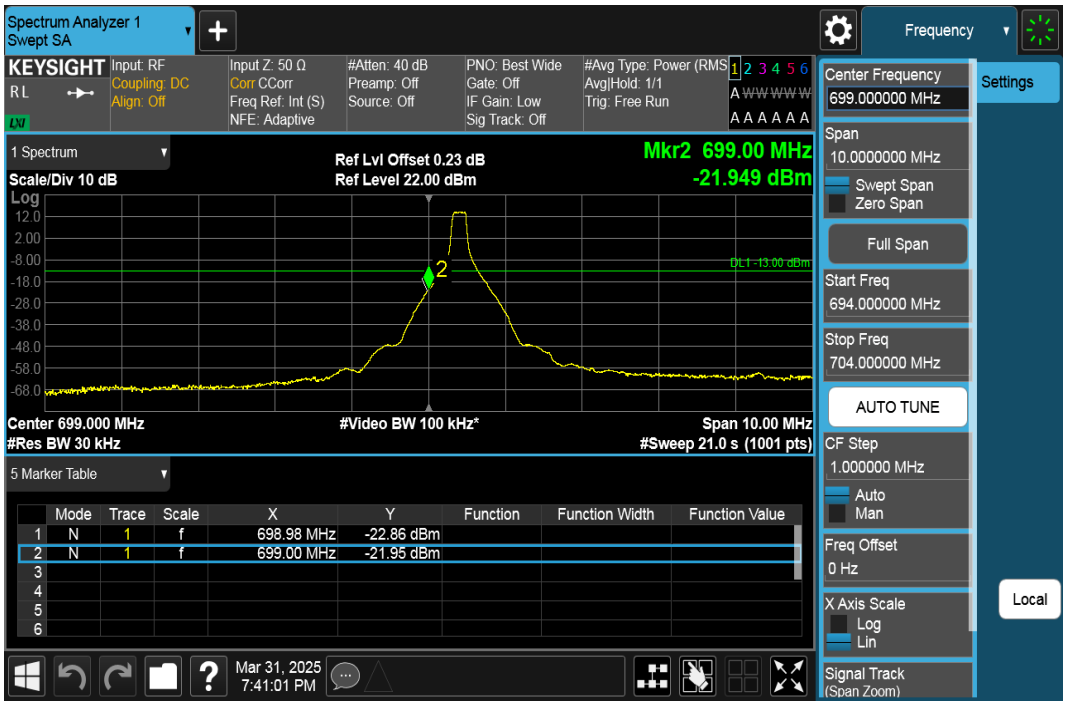

N12-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

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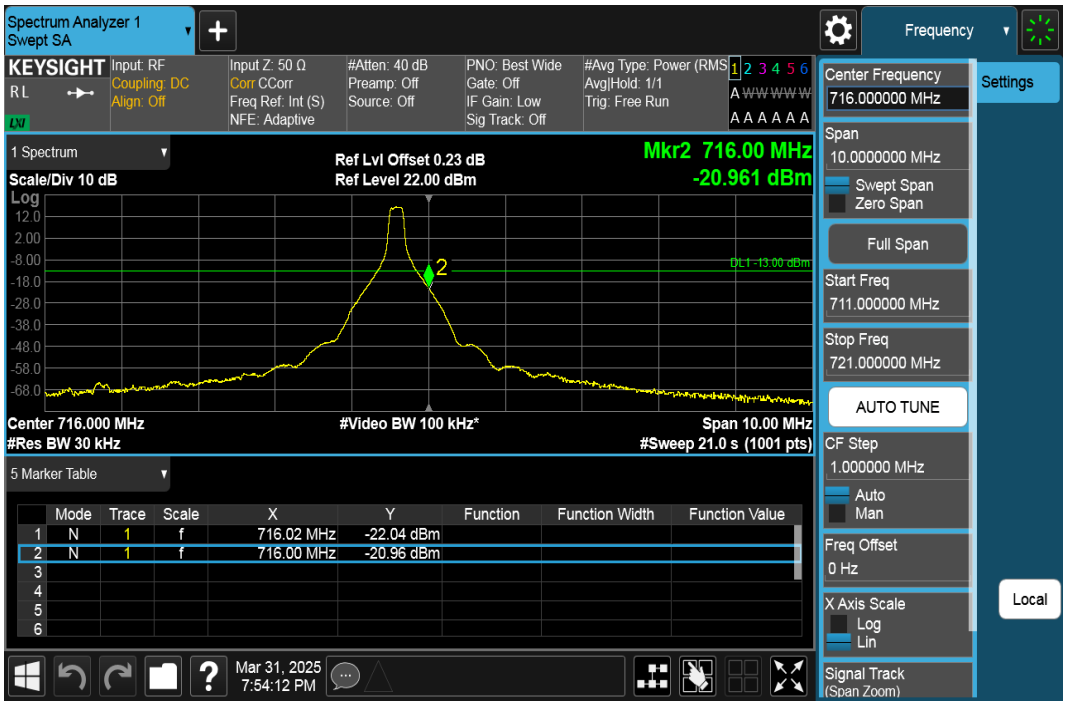

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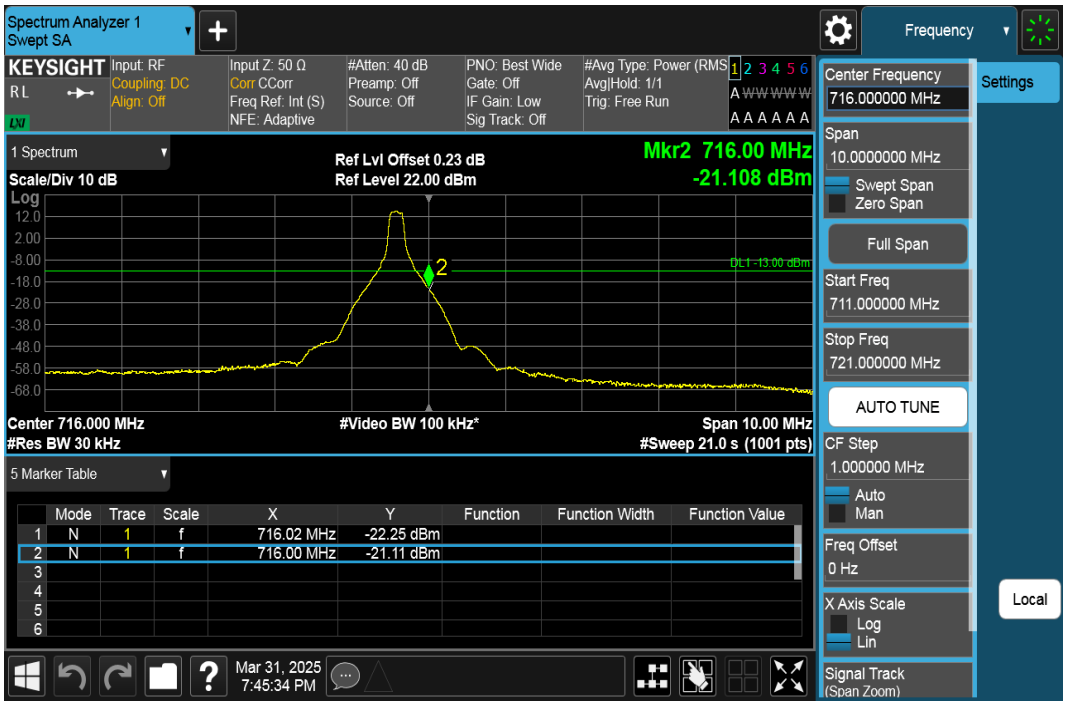

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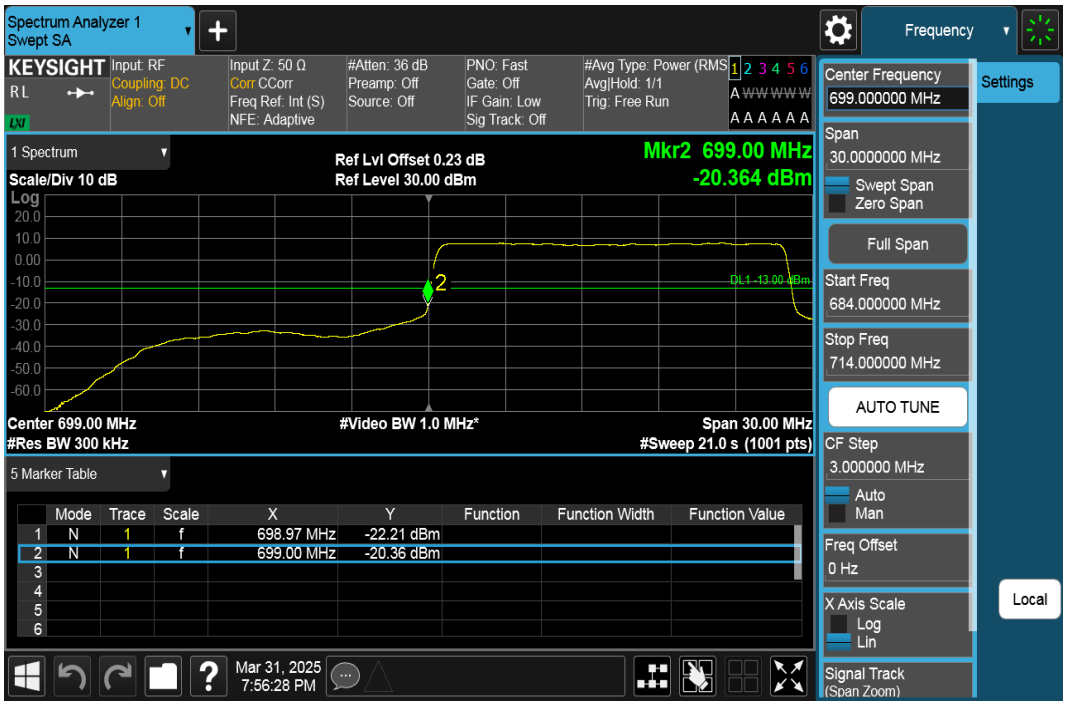

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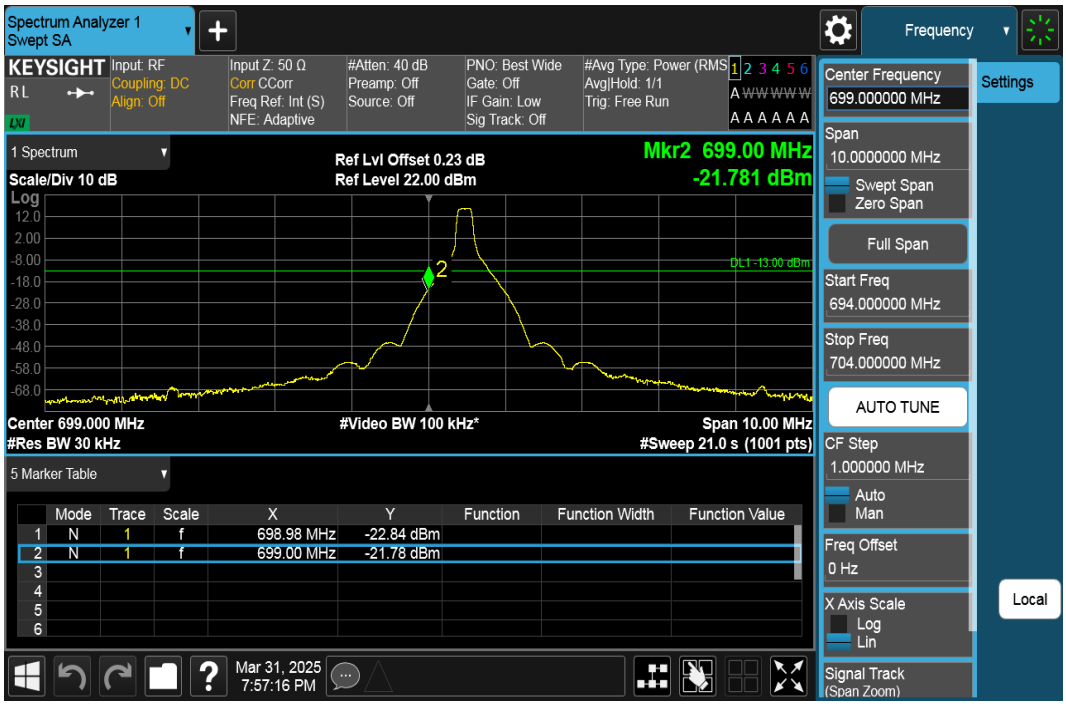

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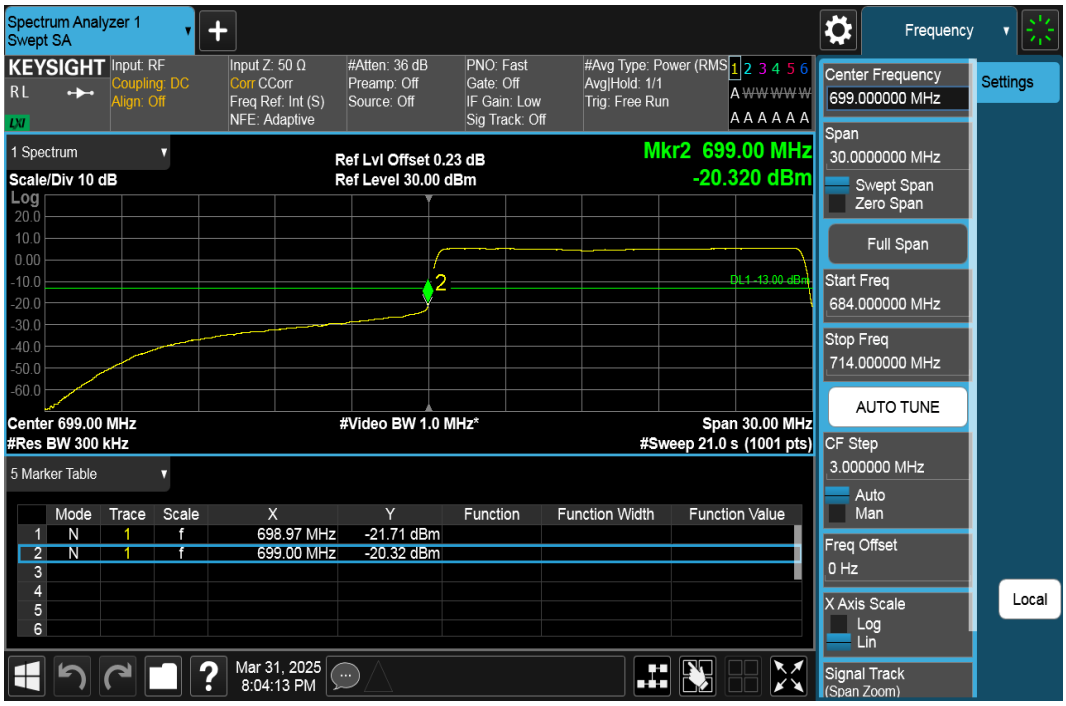

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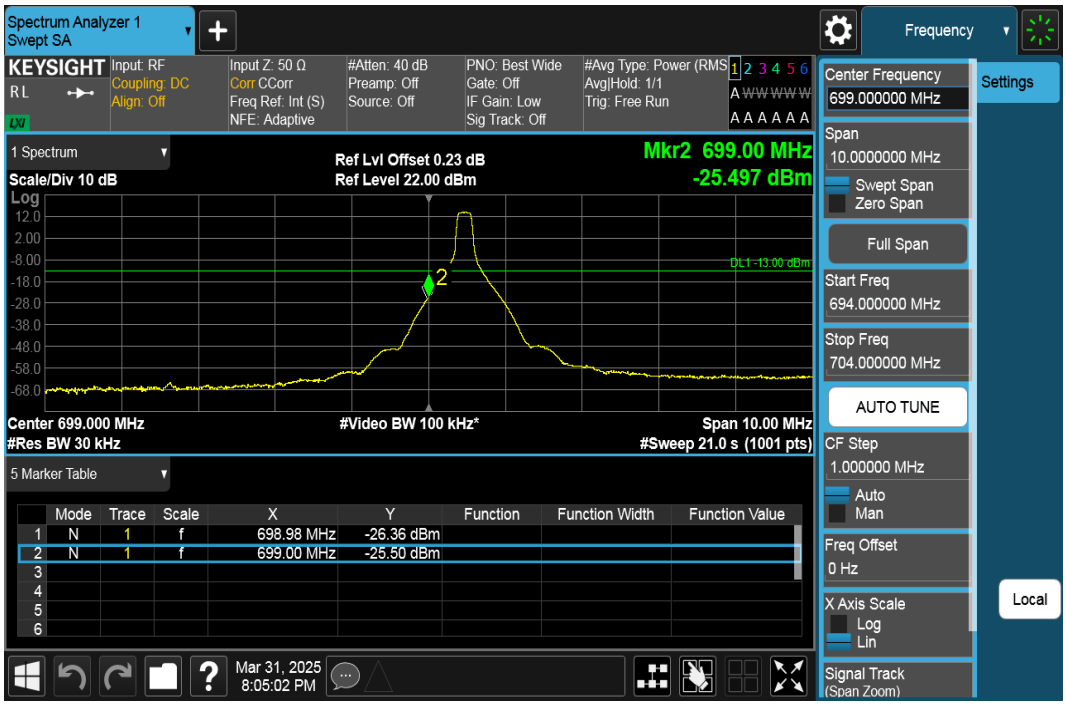
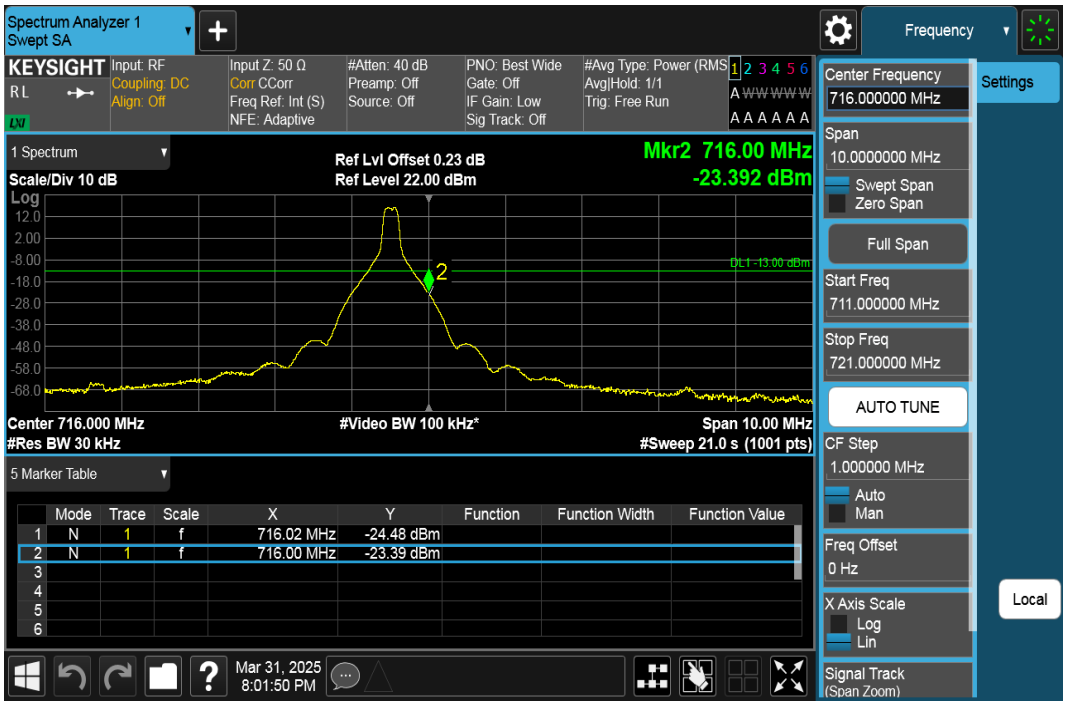


N12-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N12-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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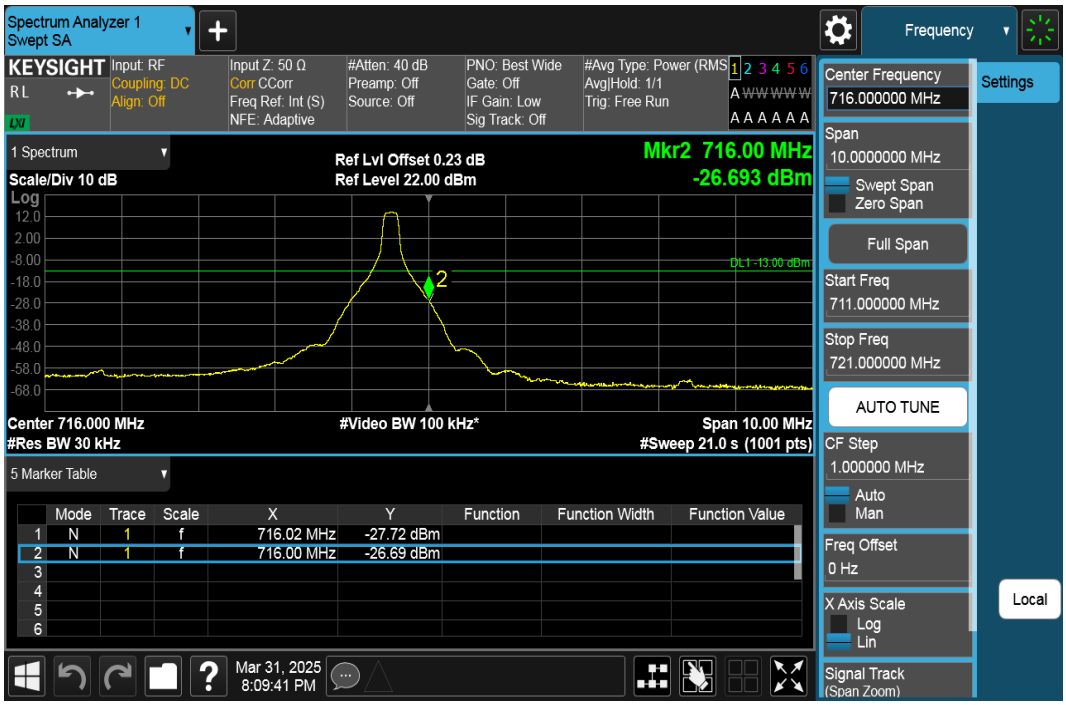
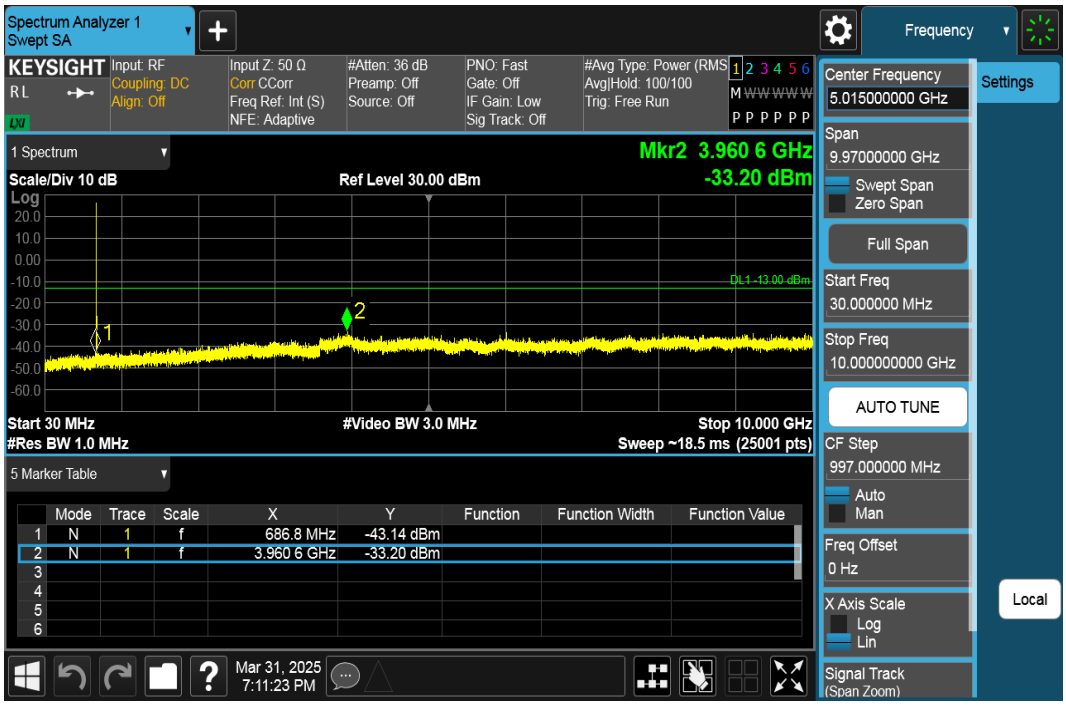
N12-15M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



Conducted spurious emissions

test graph

N12-5M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



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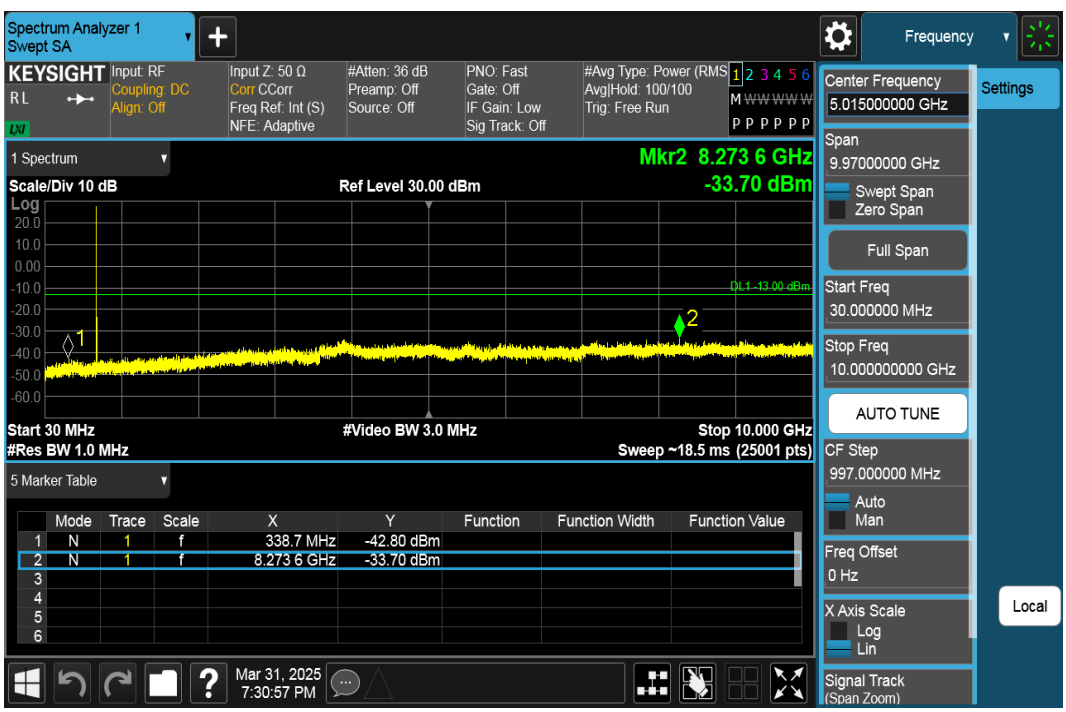

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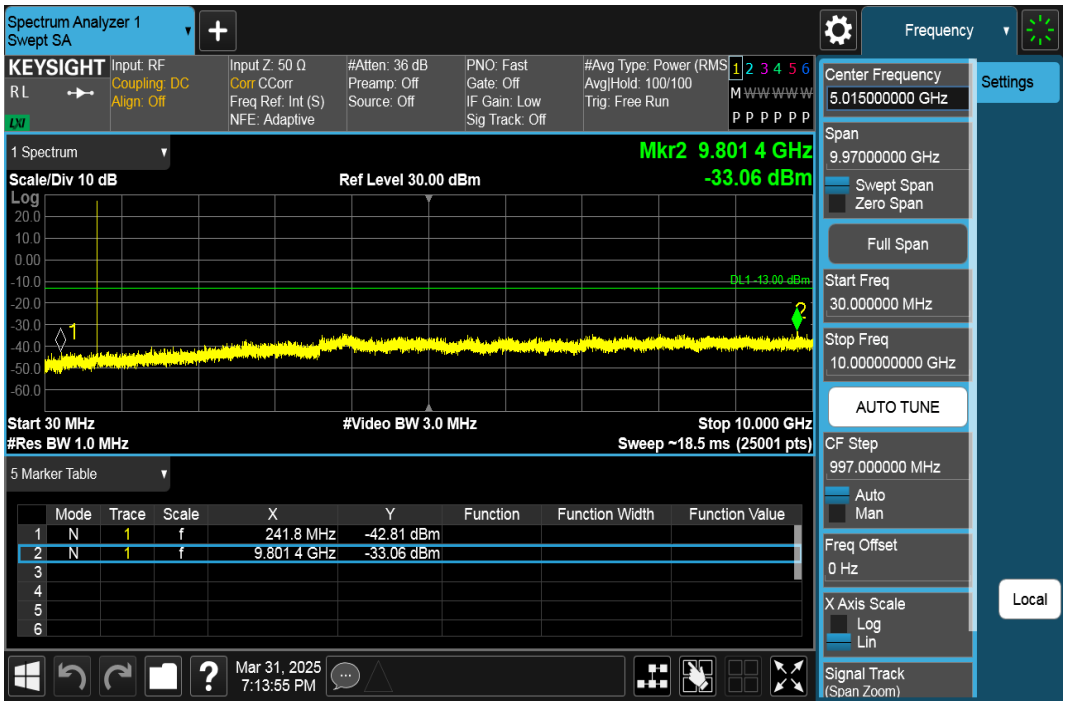

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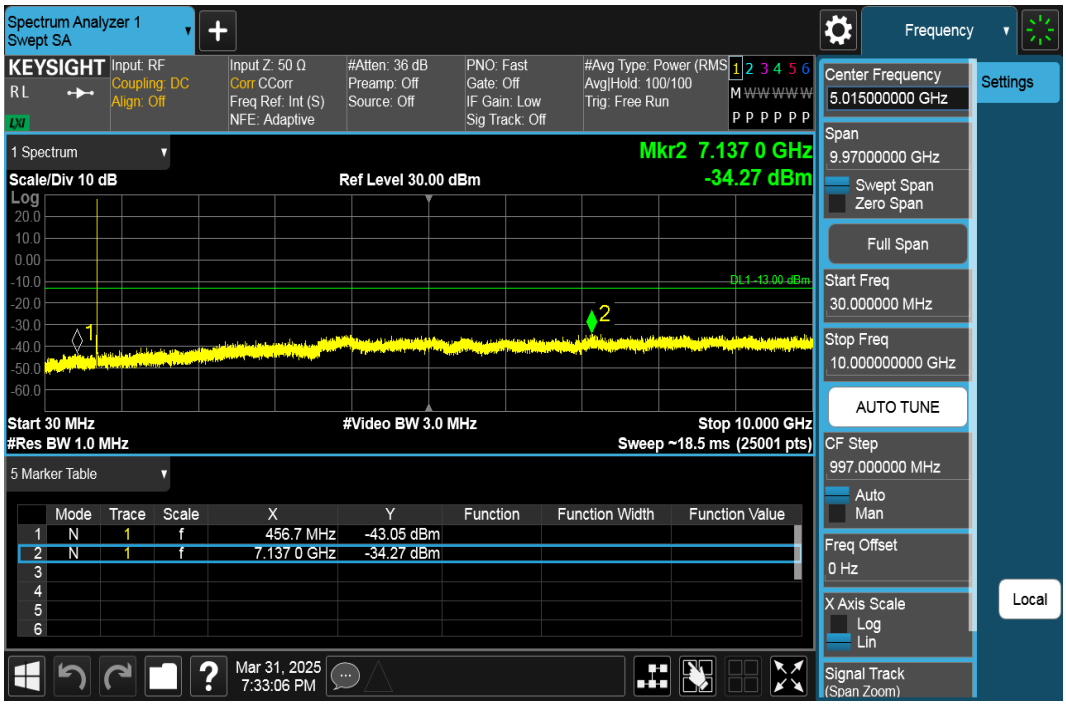

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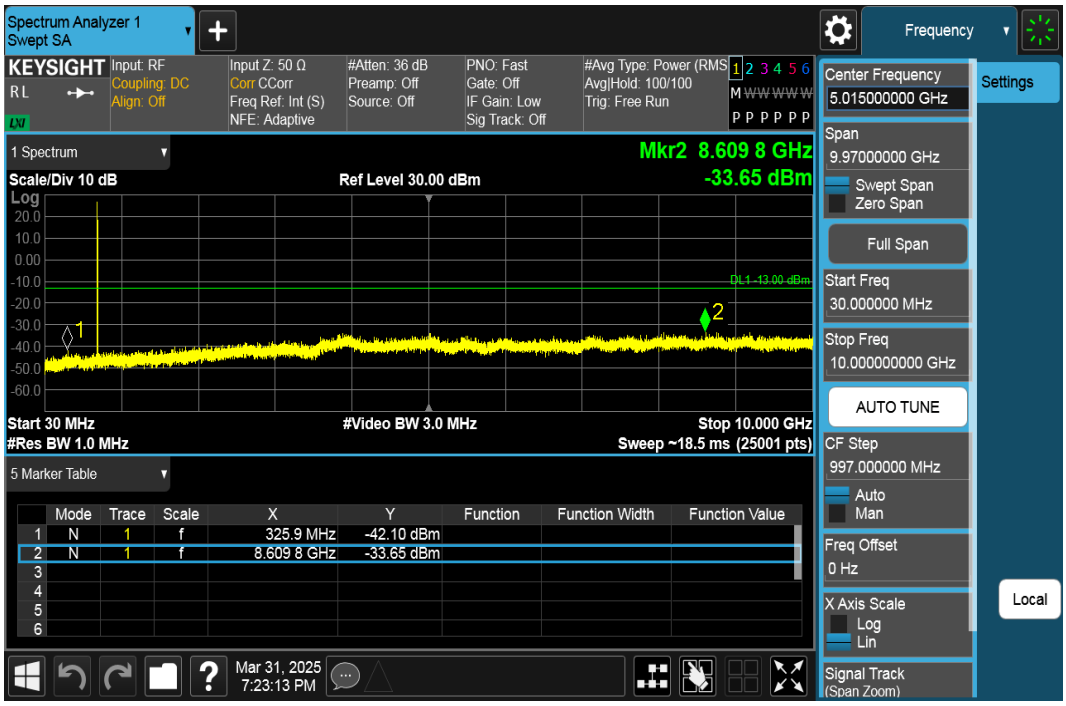

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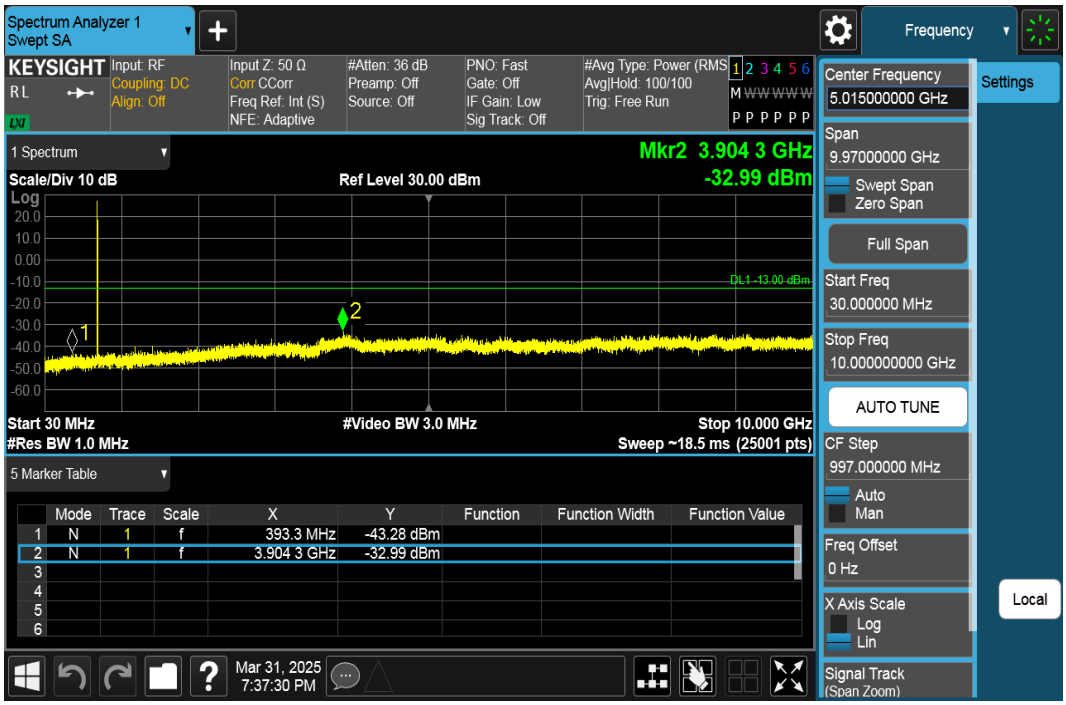
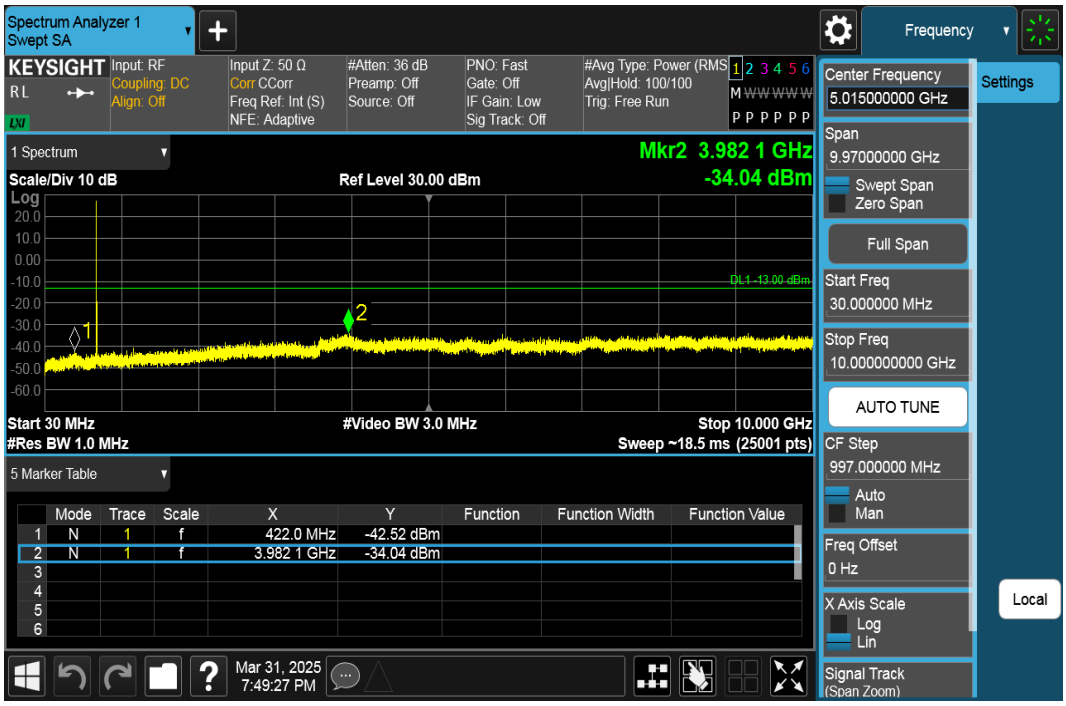
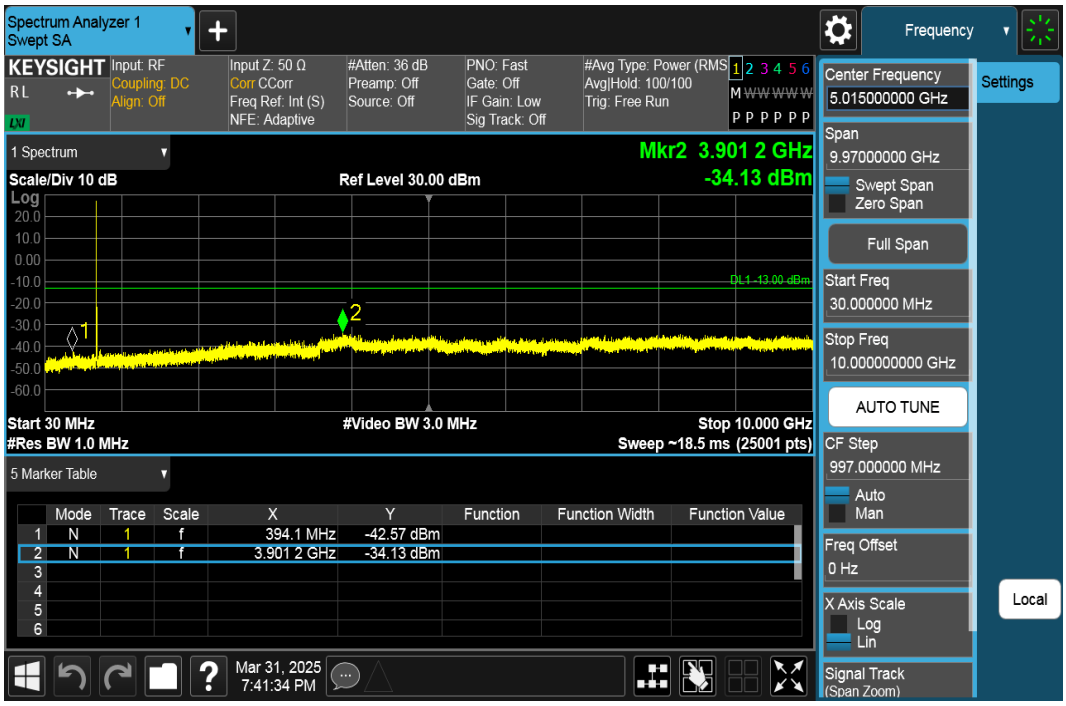


N12-10M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N12-10M-CSE-LCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



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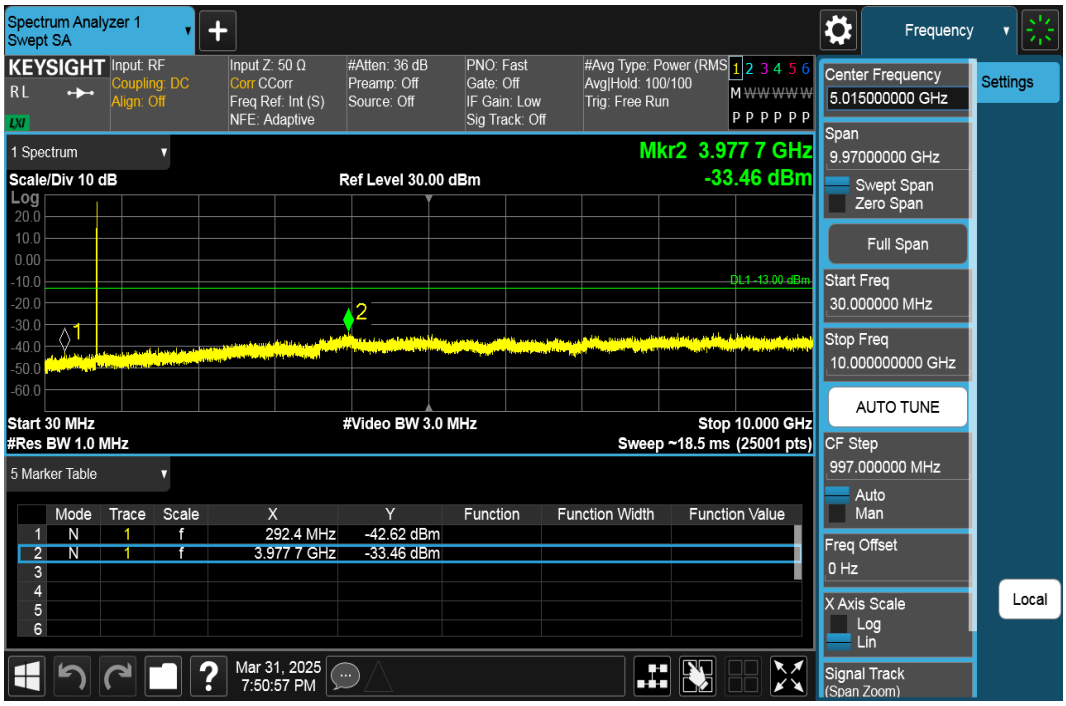

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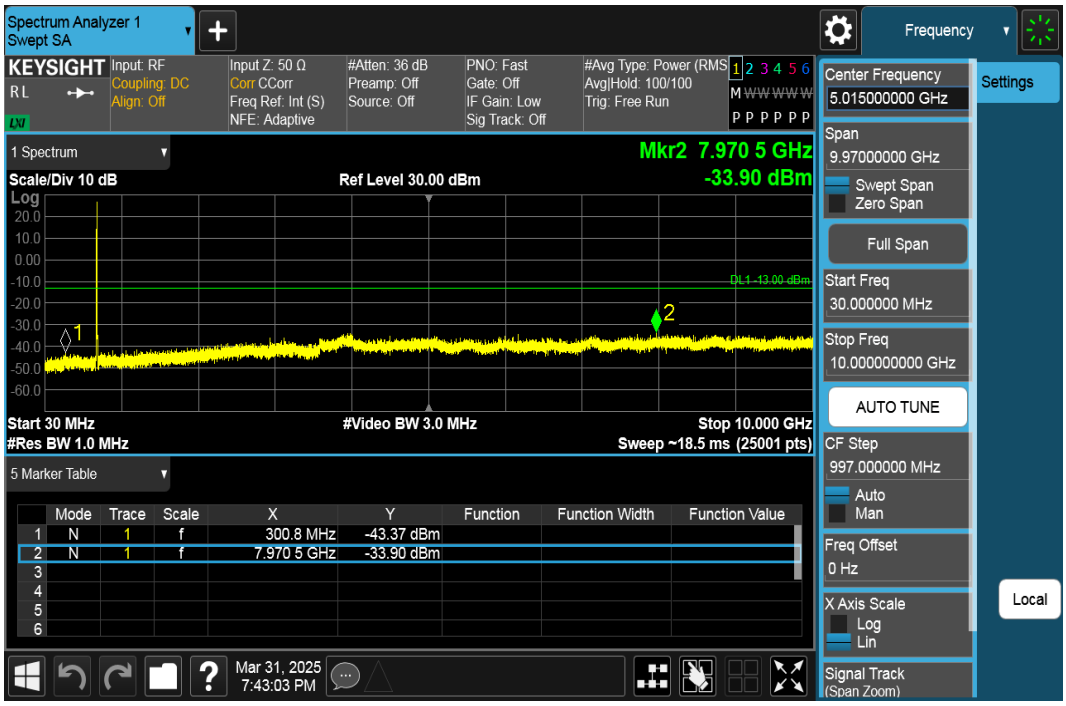

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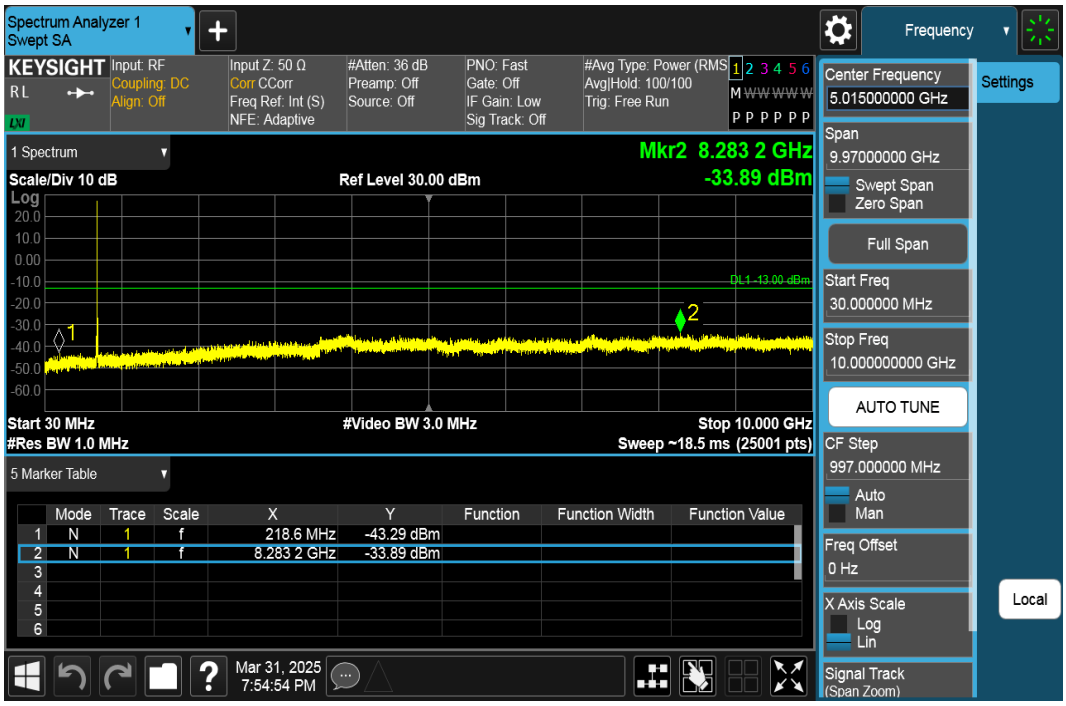

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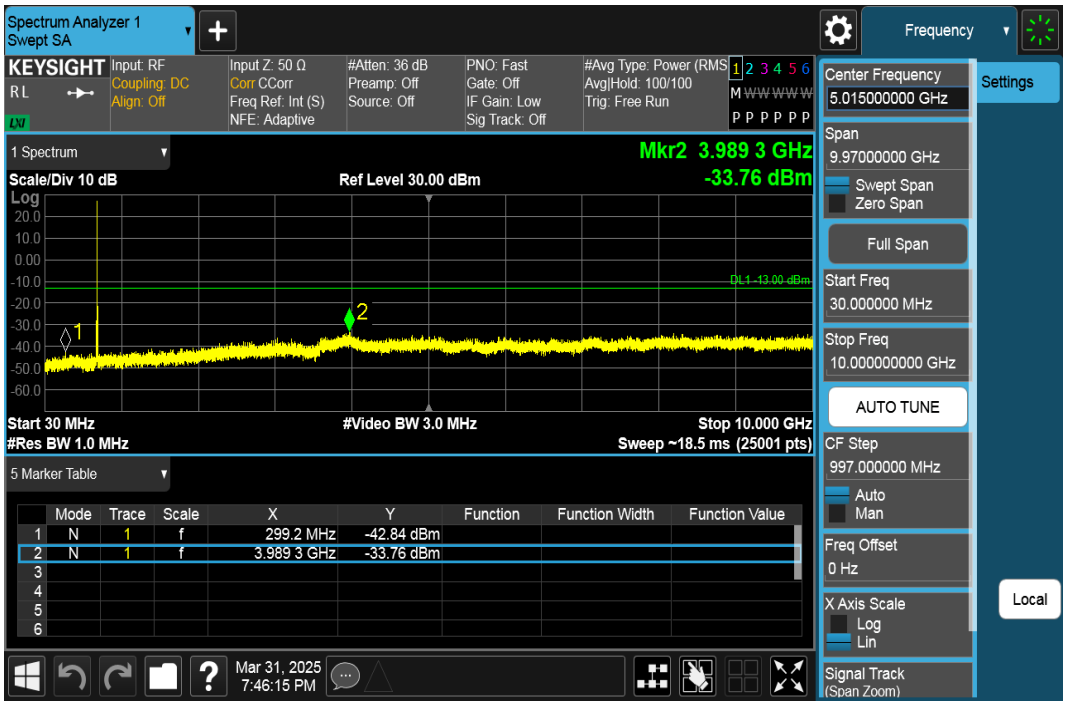

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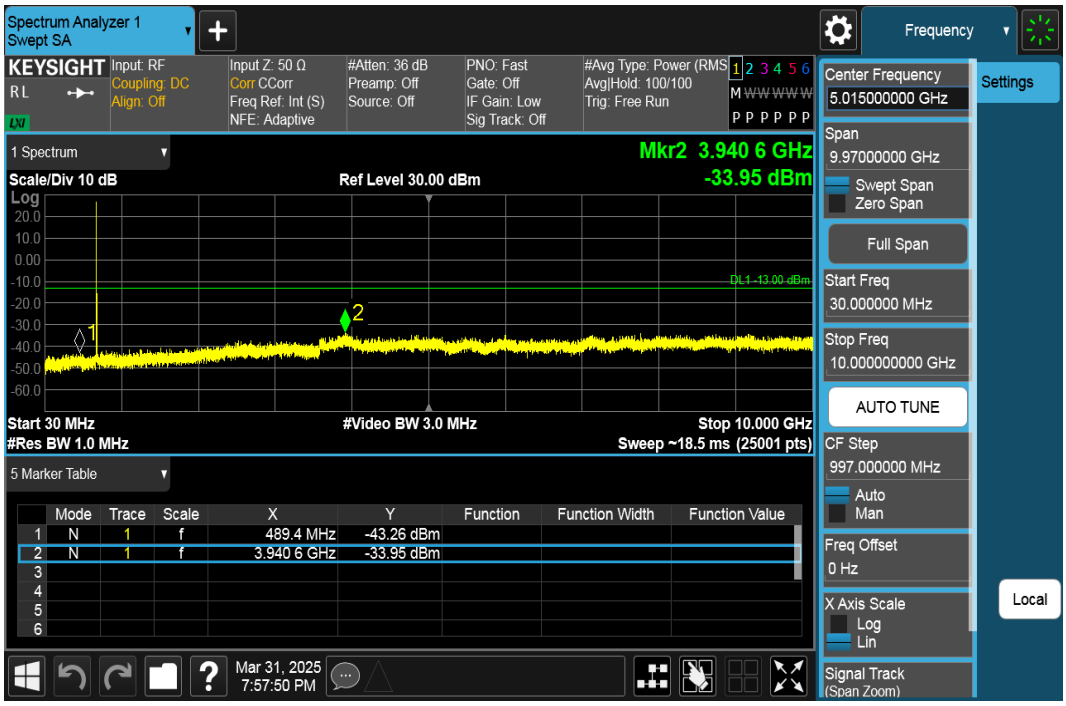

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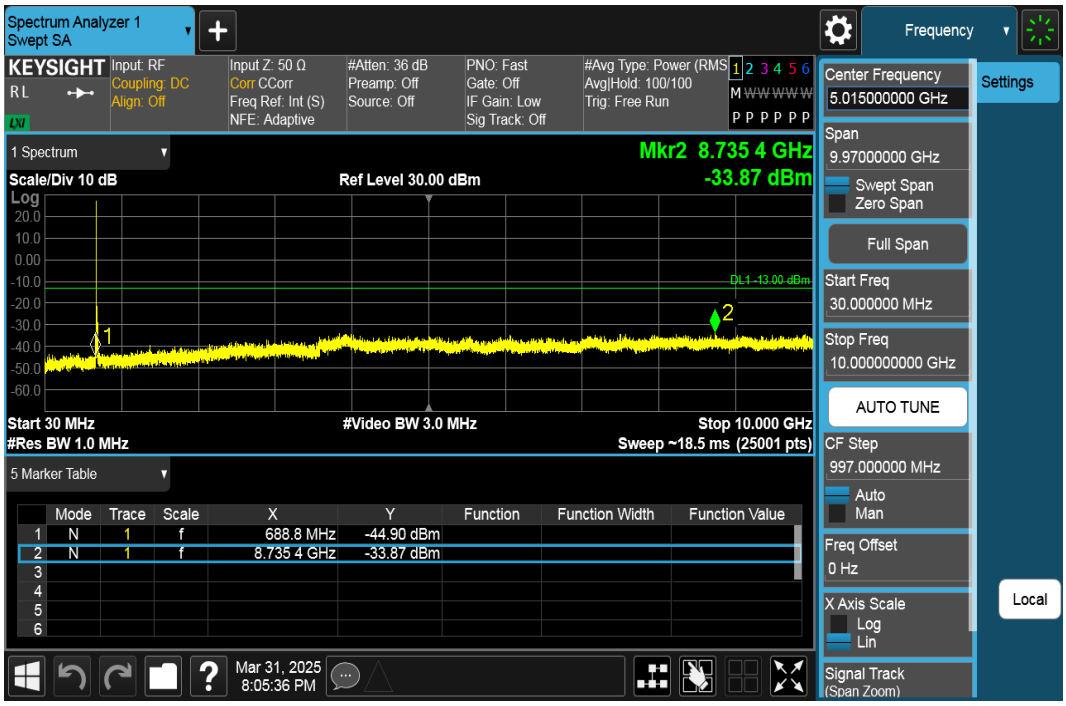

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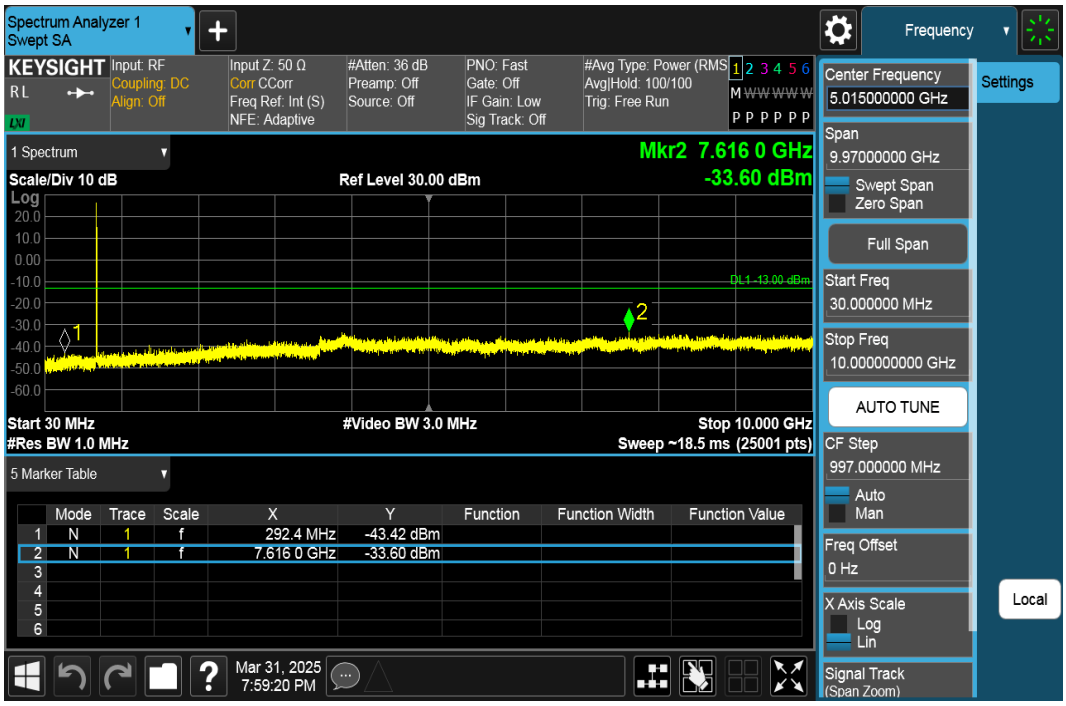
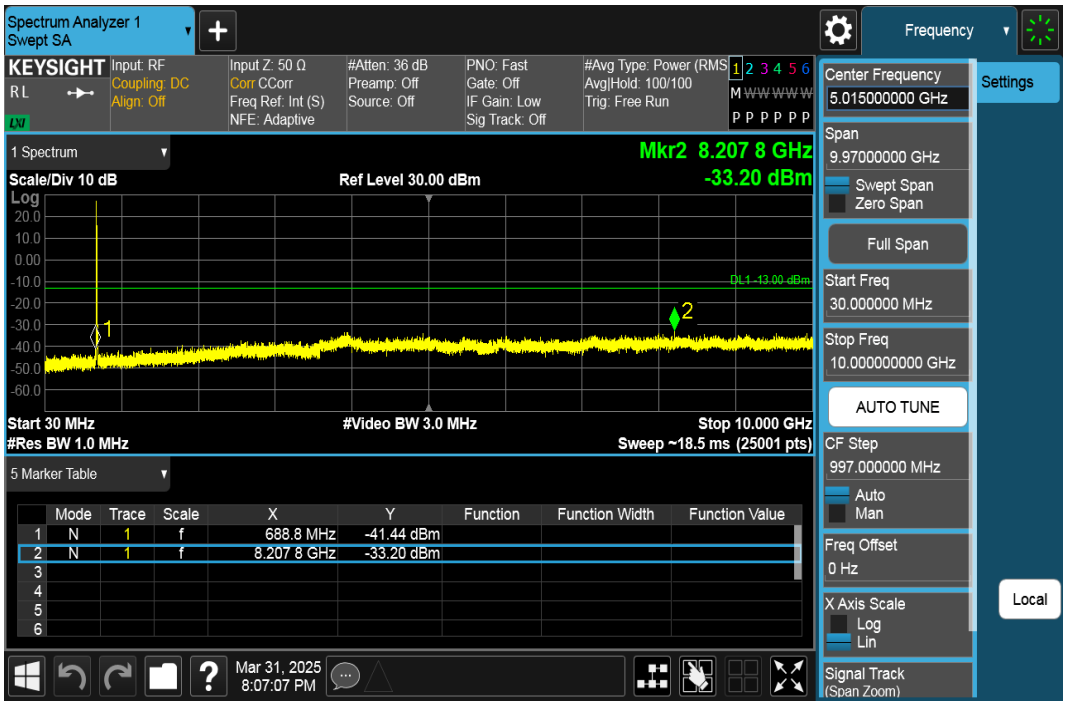
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