99% & 26dB Bandwidth

Test Result

5G NR N70 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	4.4911	5.057	/	Pass
CP-OFDM QPSK		Outer_Full	4.5248	5.291	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.501	5.076	/	Pass
CP-OFDM QPSK		Outer_Full	4.5143	5.181	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.4979	5.178	/	Pass
CP-OFDM QPSK		Outer_Full	4.5137	5.235	/	Pass

5G NR N70 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	8.9524	9.622	/	Pass
CP-OFDM QPSK		Outer_Full	9.3101	10.13	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.9723	9.551	/	Pass
CP-OFDM QPSK		Outer_Full	9.3057	10.01	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.9565	9.793	/	Pass
CP-OFDM QPSK		Outer_Full	9.3078	10.12	/	Pass

5G NR N70 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	13.493	14.5	/	Pass
CP-OFDM QPSK		Outer_Full	14.143	15.46	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.532	14.4	/	Pass
CP-OFDM QPSK		Outer_Full	14.178	15	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.521	14.46	/	Pass
CP-OFDM QPSK		Outer_Full	14.196	15.07	/	Pass

Peak-Average Ratio

Test Result

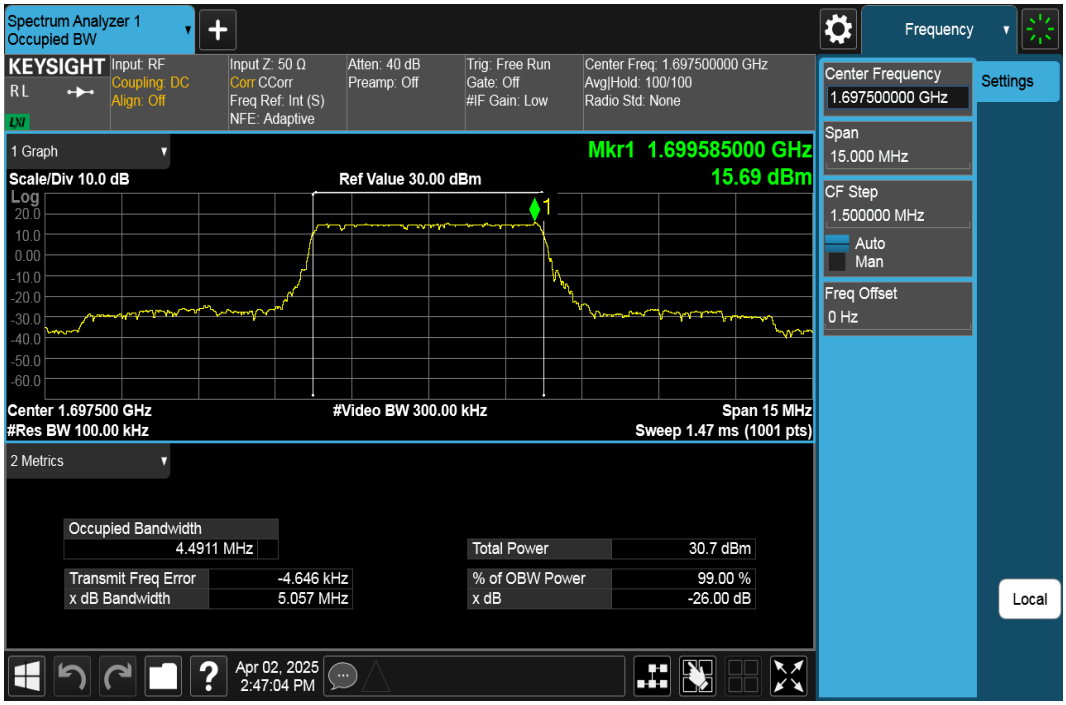
5G NR N70 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.06	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.97	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.51	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.78	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.4	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.8	<=13	Pass

5G NR N70 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.34	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.04	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.09	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.03	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.11	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.02	<=13	Pass

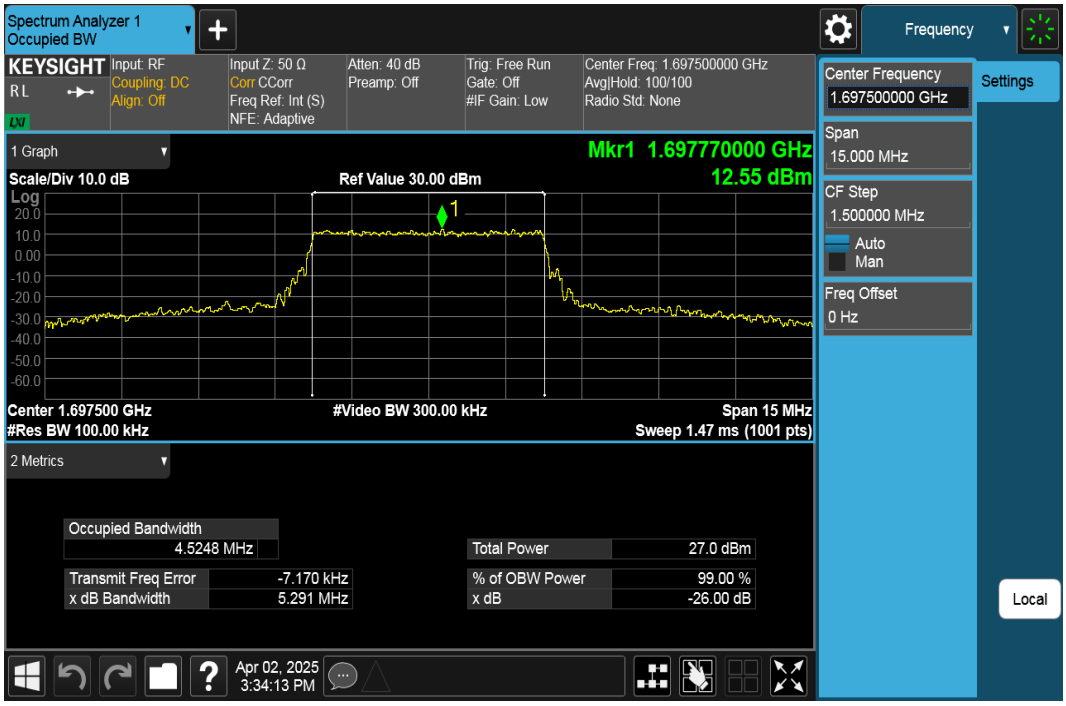
5G NR N70 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.32	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.17	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.21	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.23	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.29	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.17	<=13	Pass

OBW Test graph

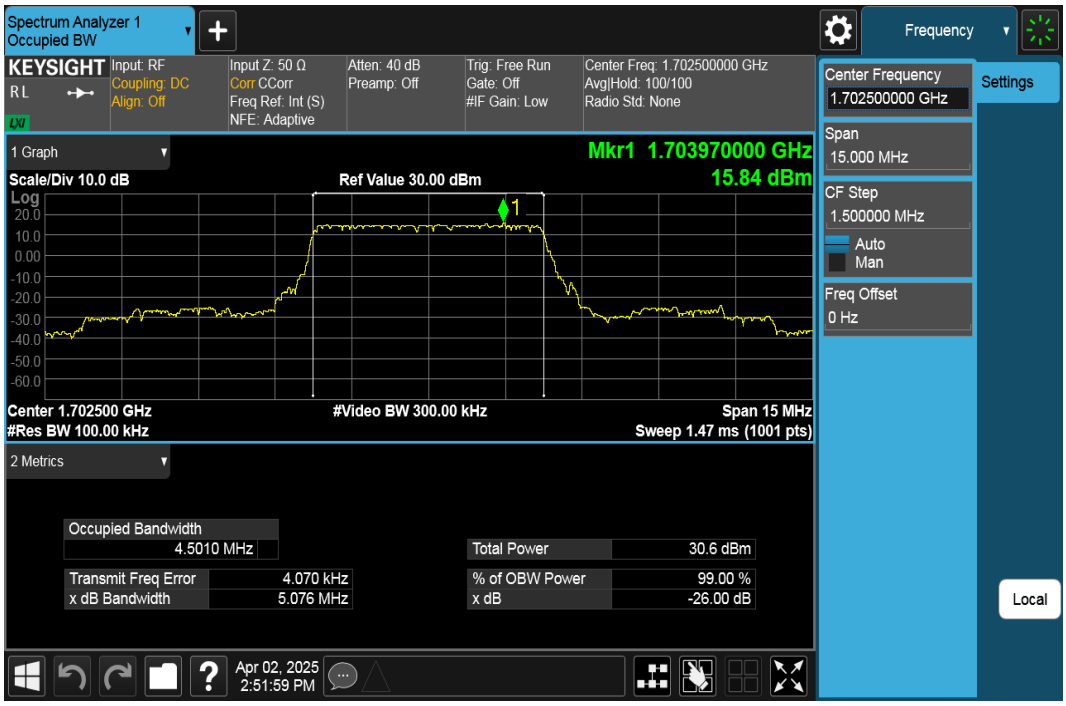
N70-5M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



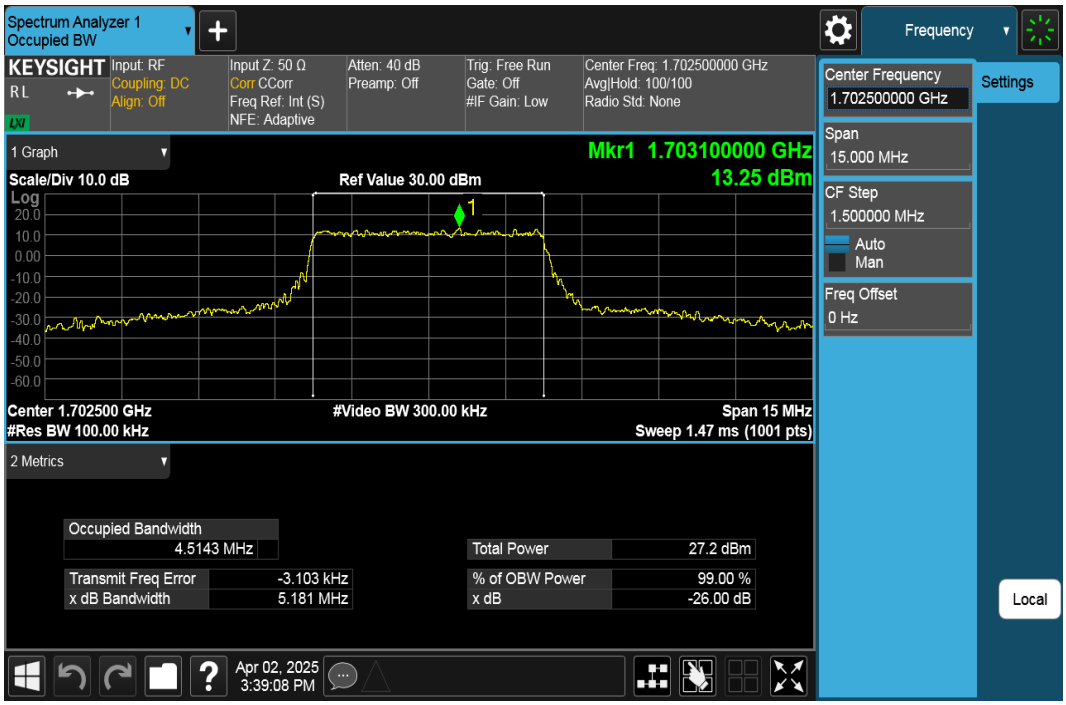
N70-5M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



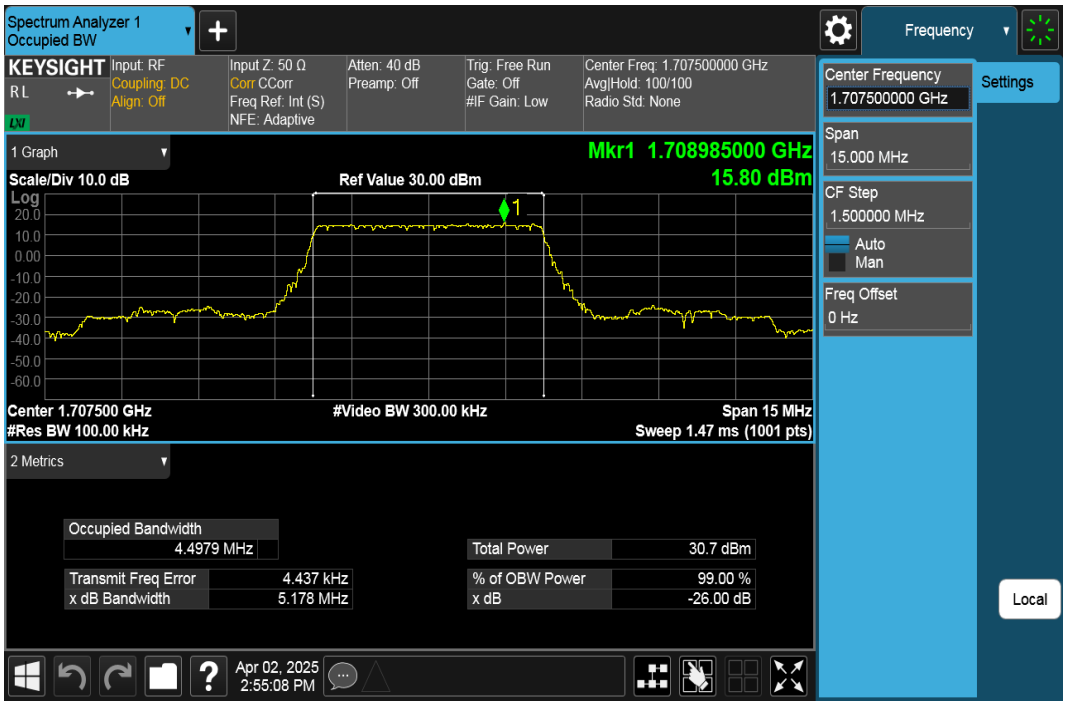
N70-5M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



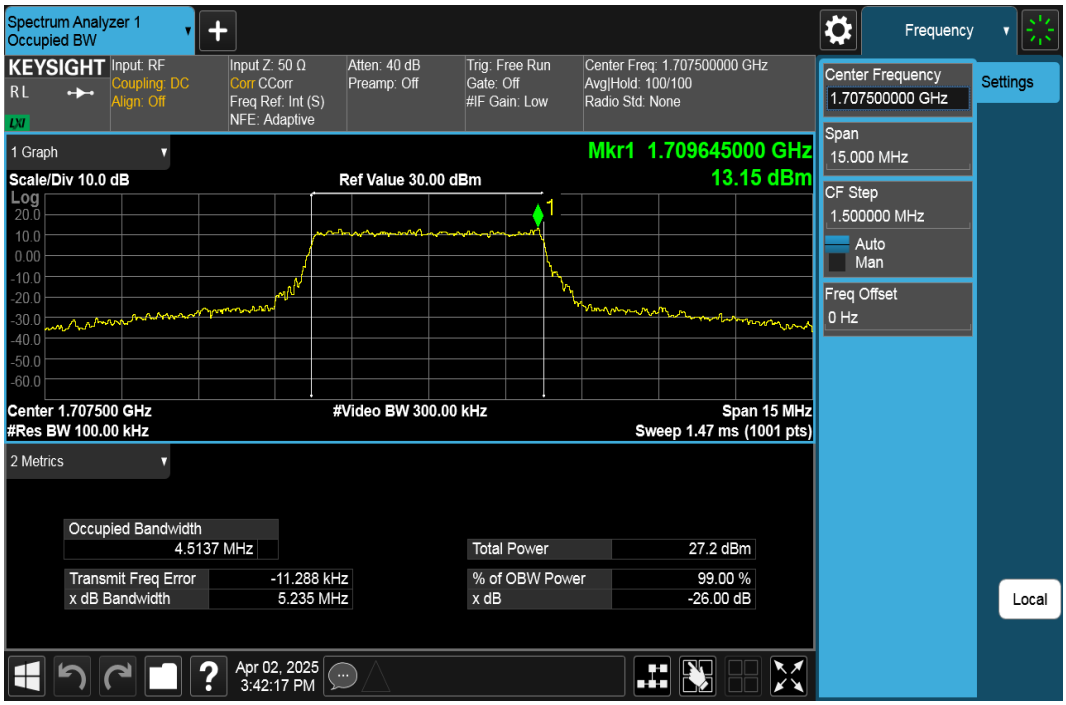
N70-5M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



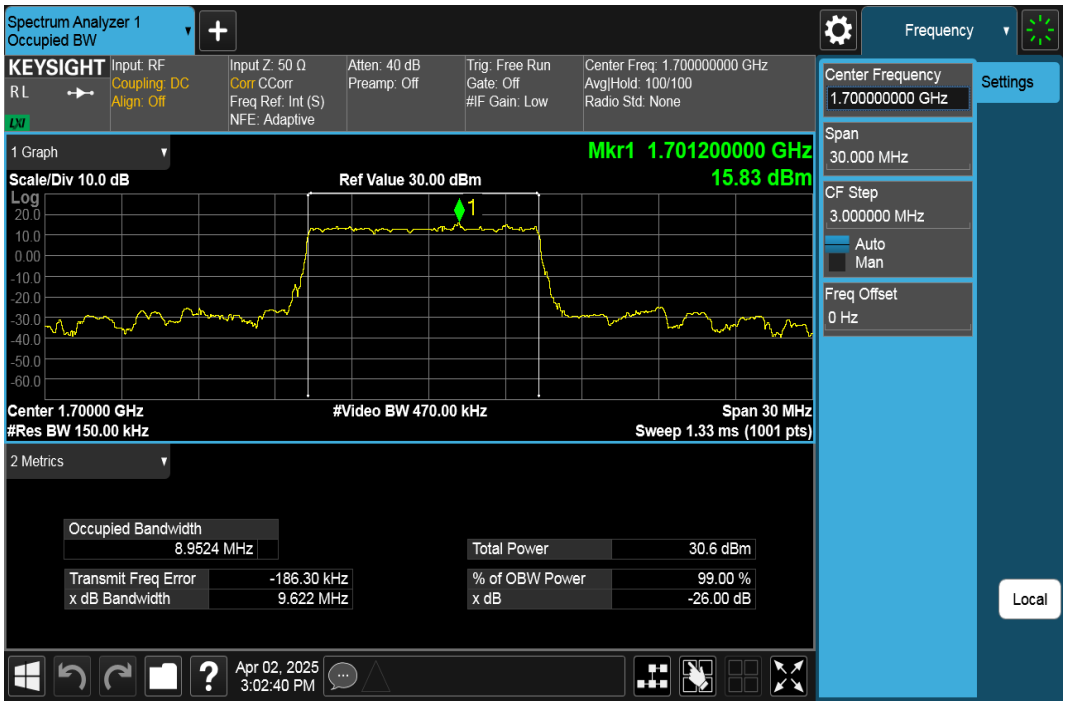
N70-5M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N70-5M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



N70-10M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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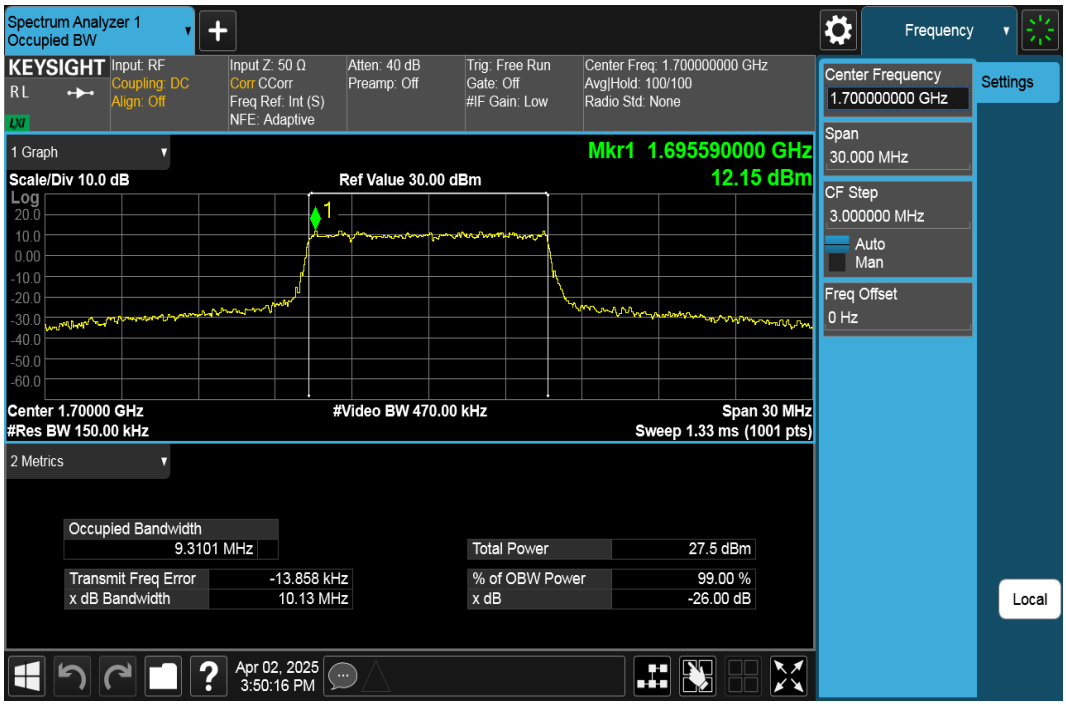

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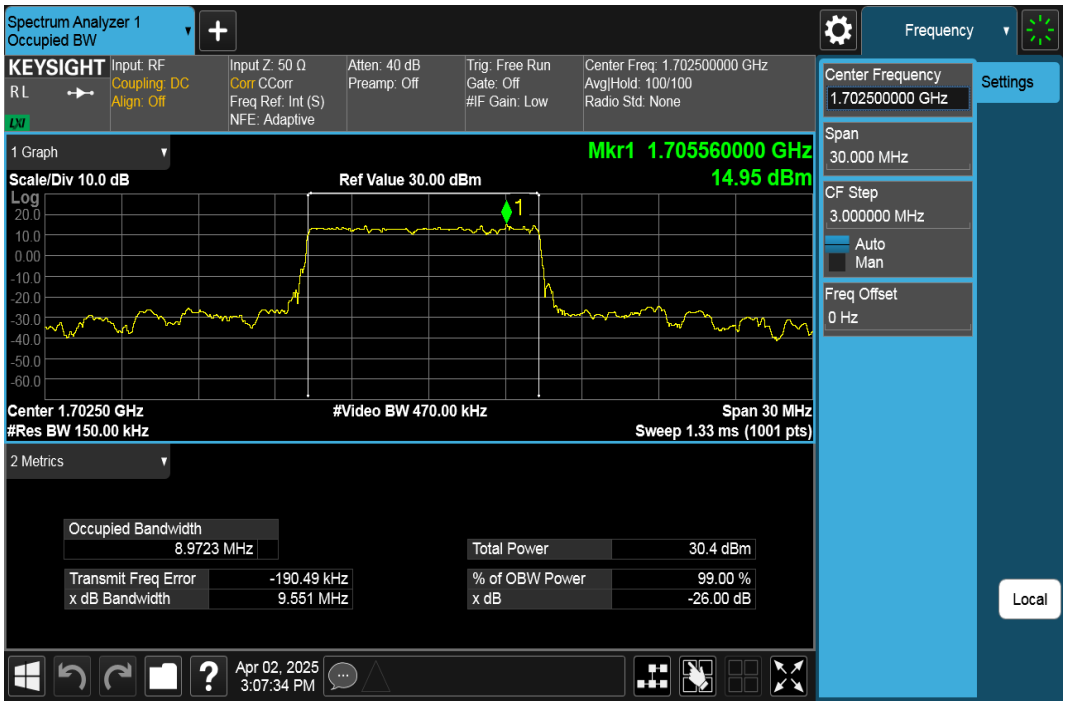
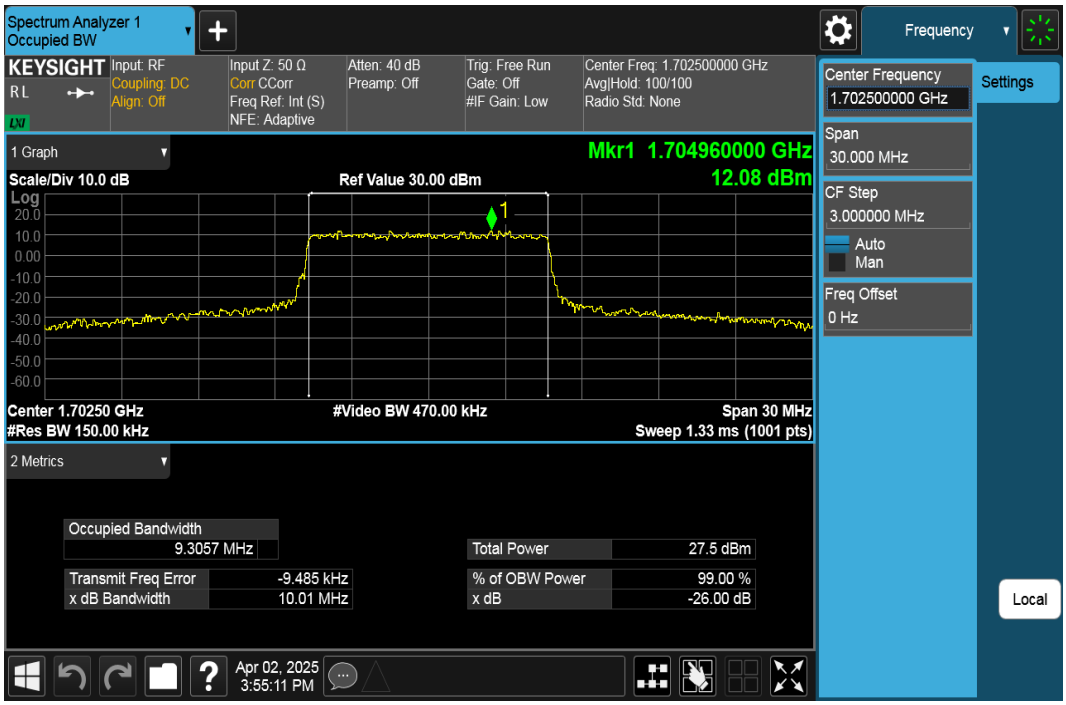
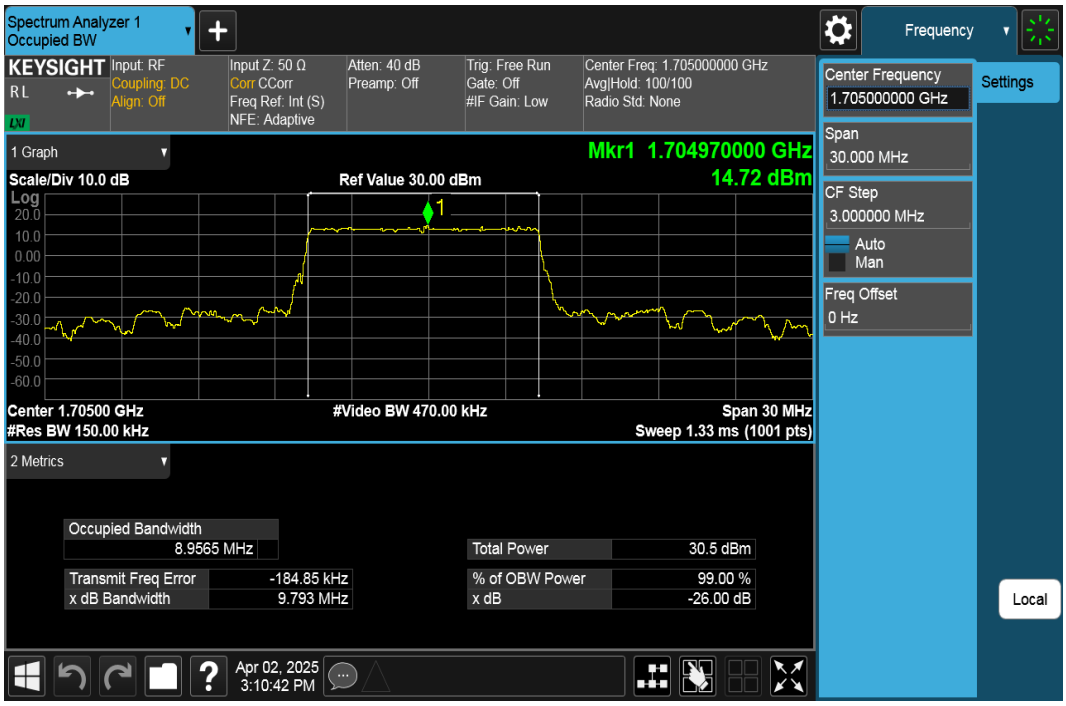


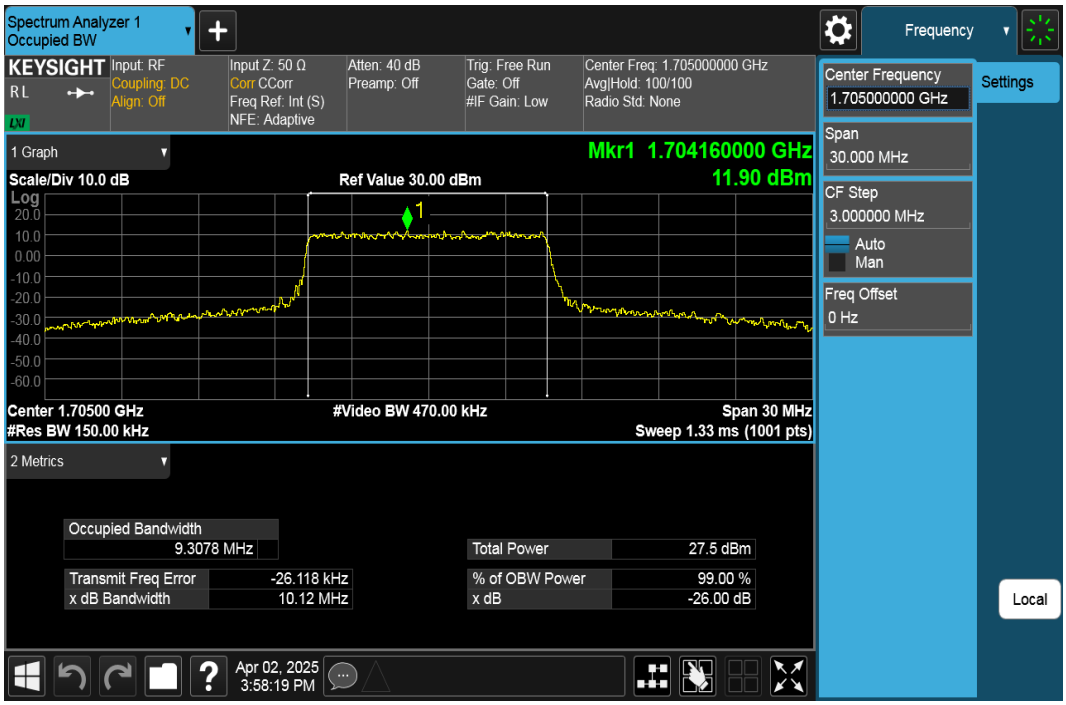
N70-10M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



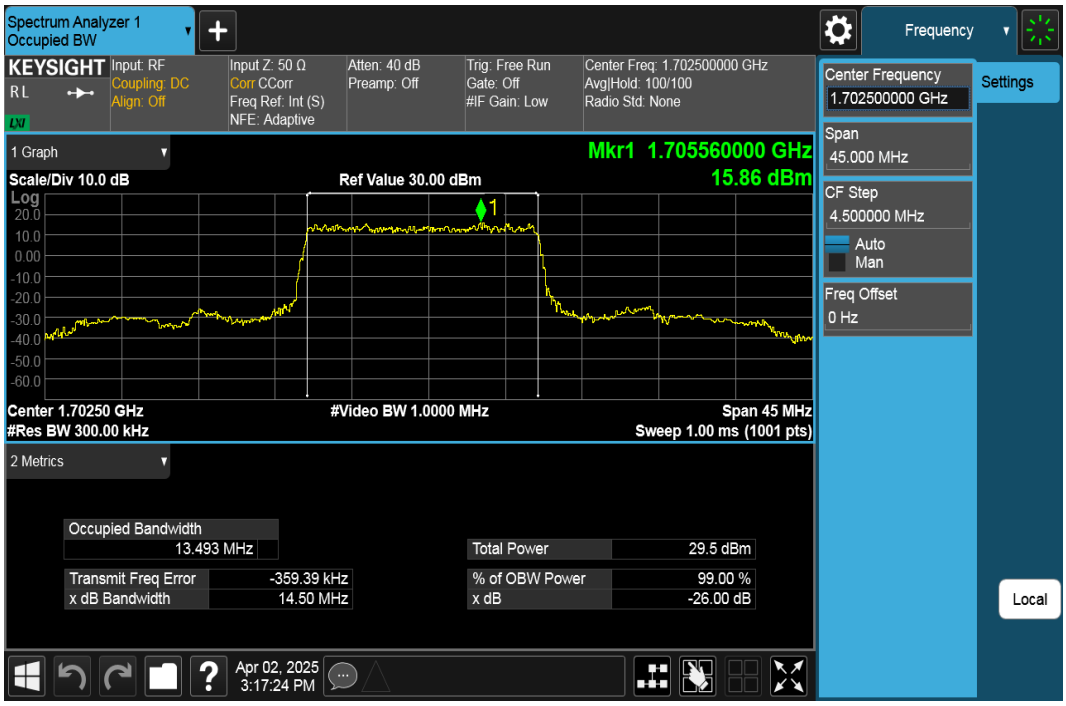
N70-10M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



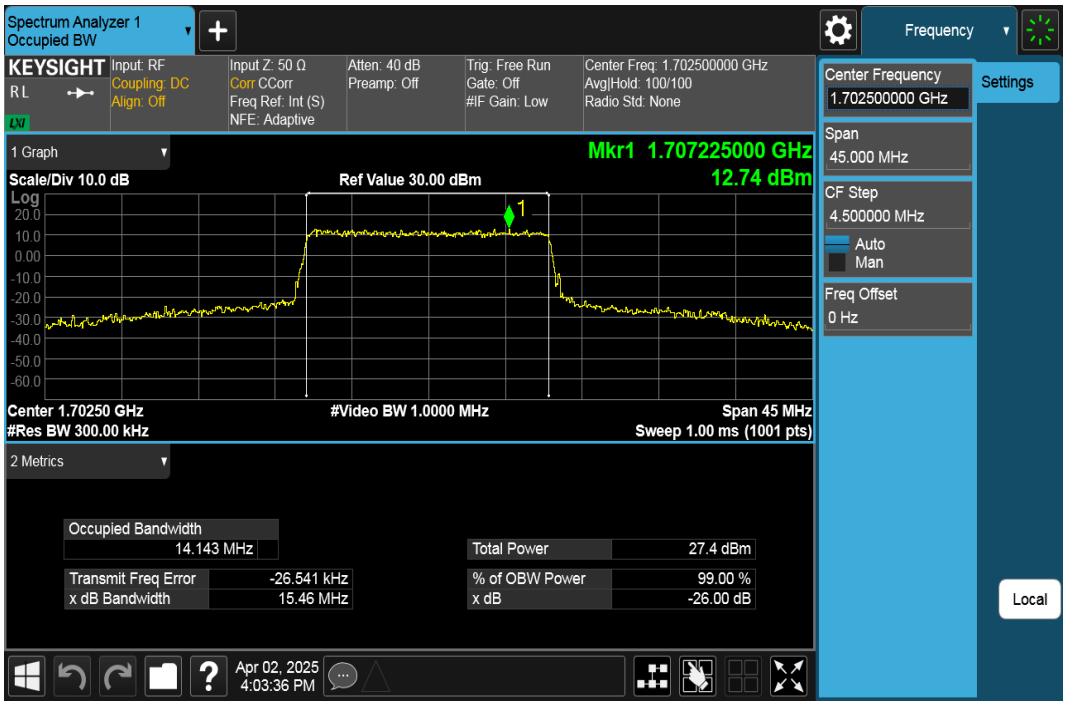
N70-10M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



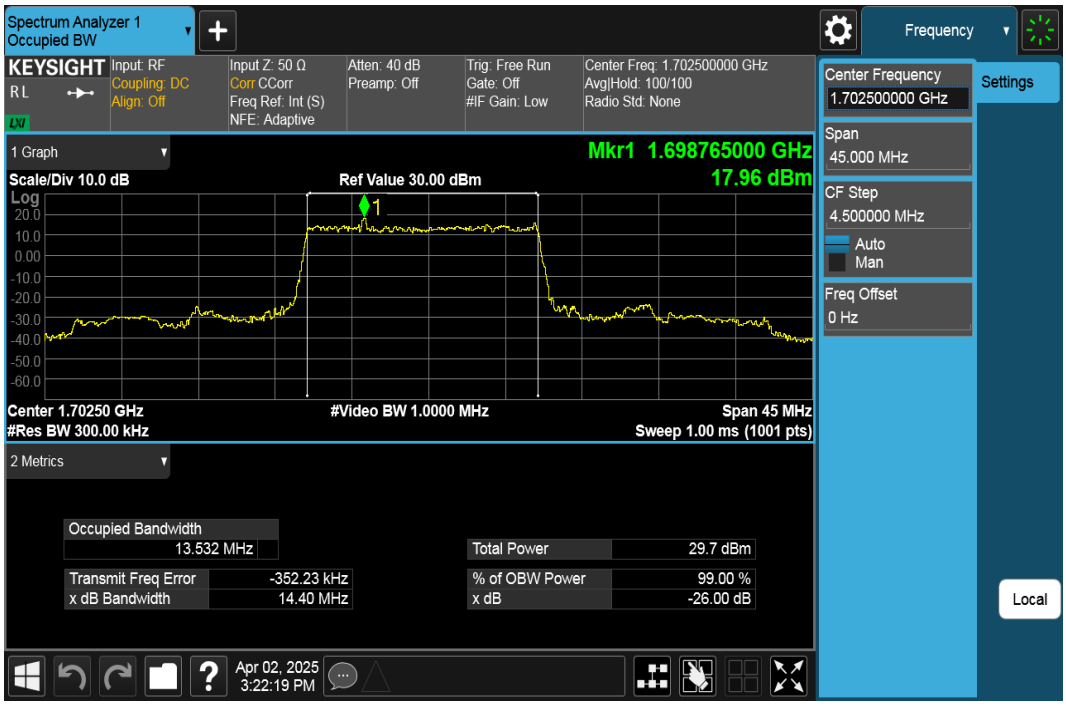
N70-15M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N70-15M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



N70-15M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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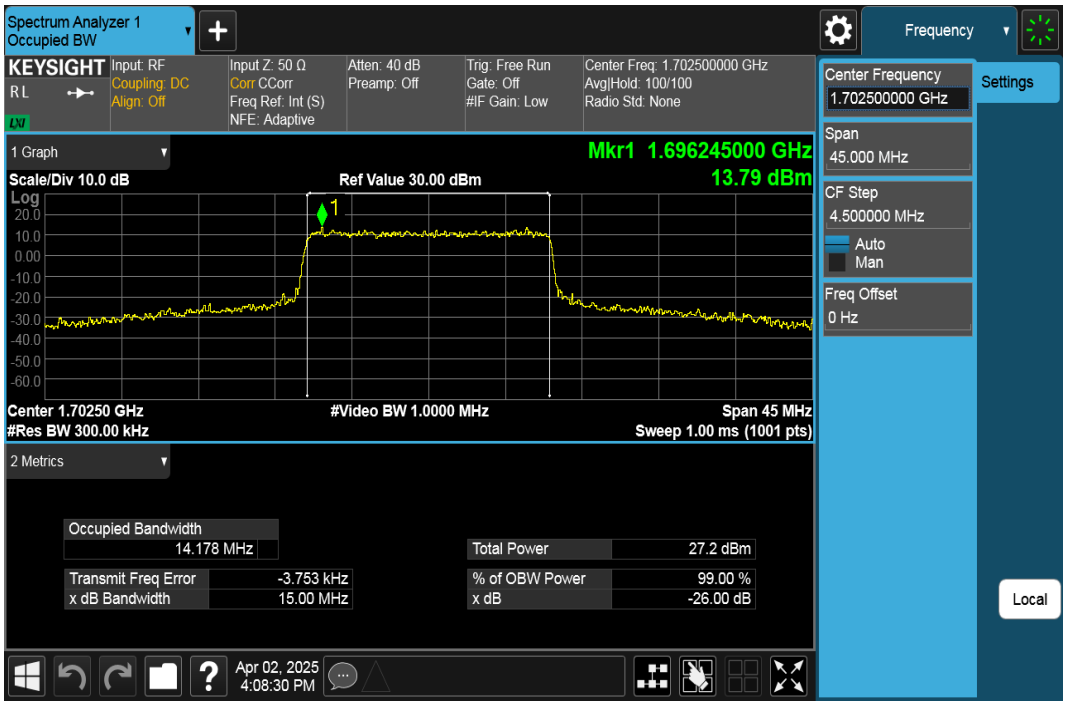

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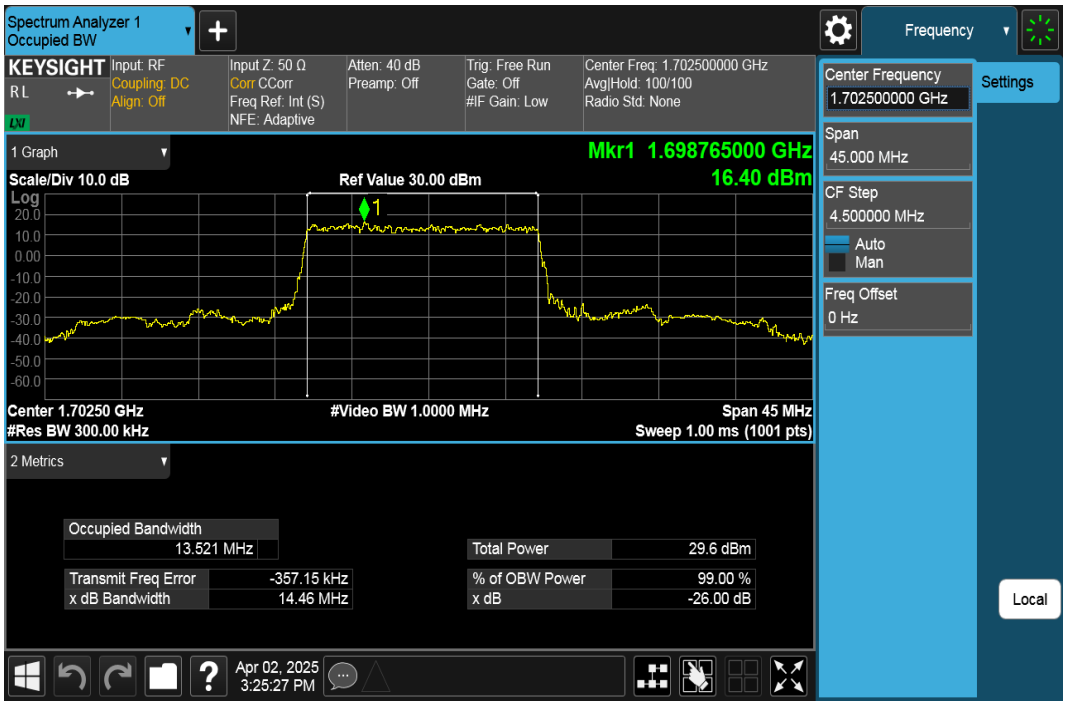
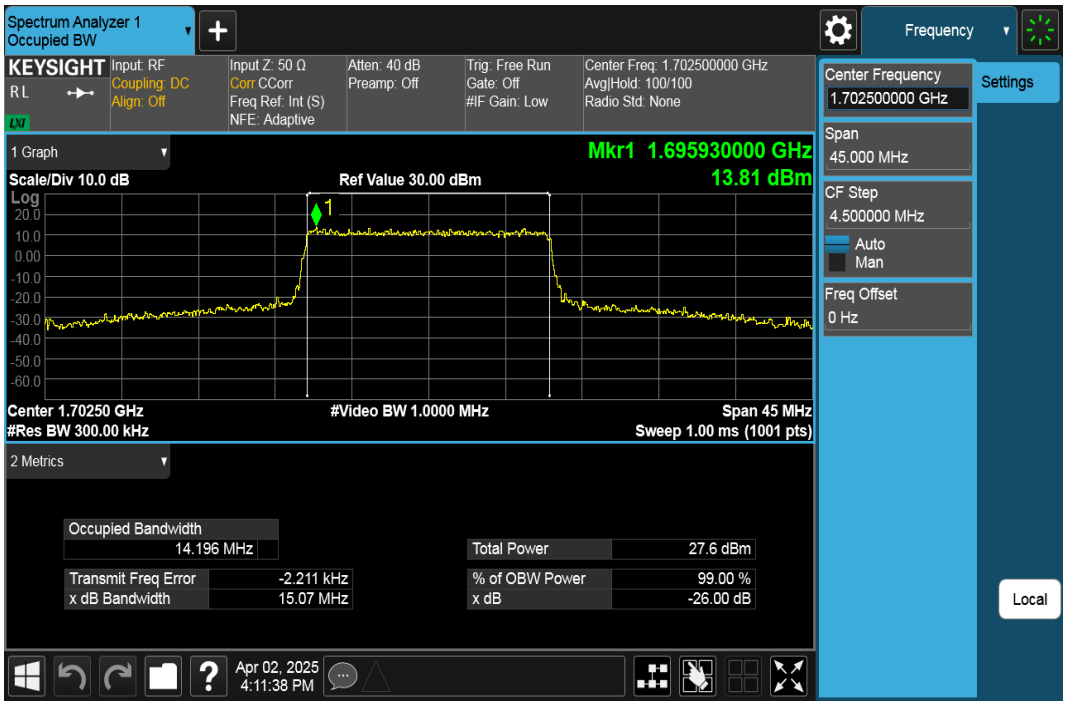
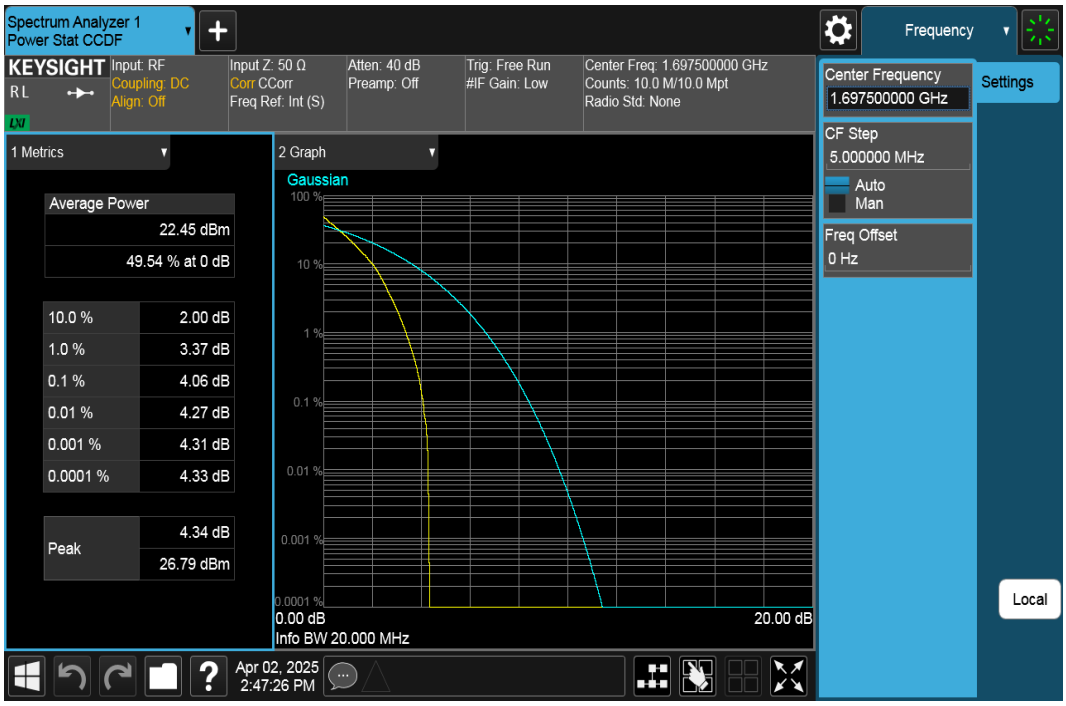


N70-15M-OBW-HCH-CP-OFDM-QPSK-Outer_Full

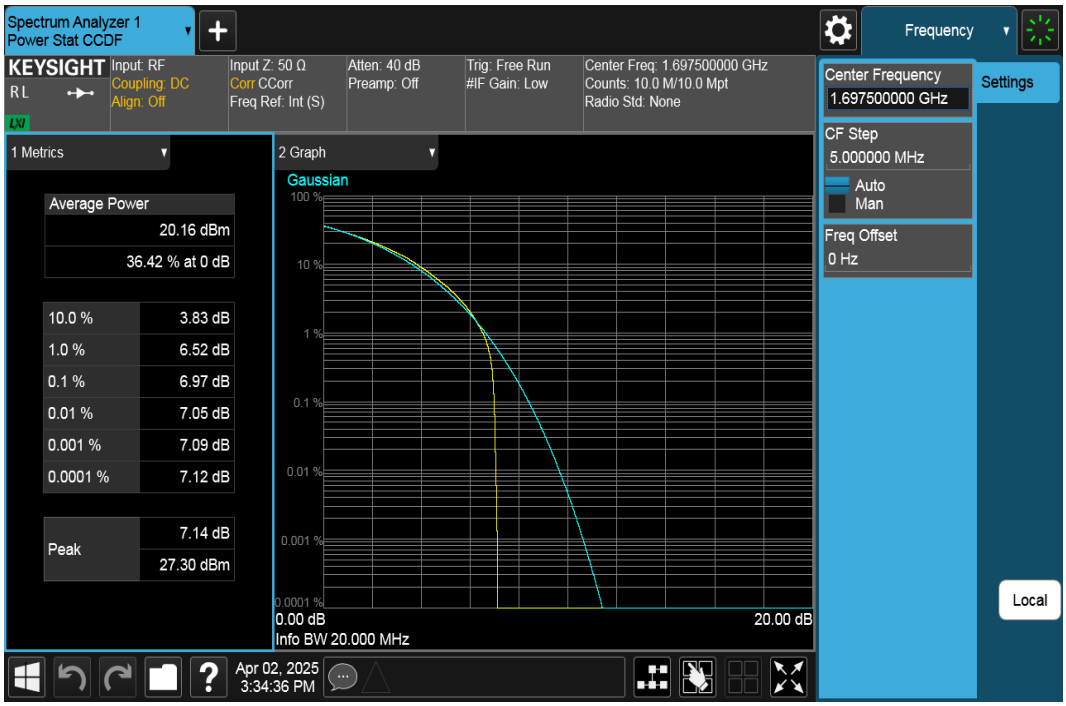


PAPR Test graph

N70-5M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

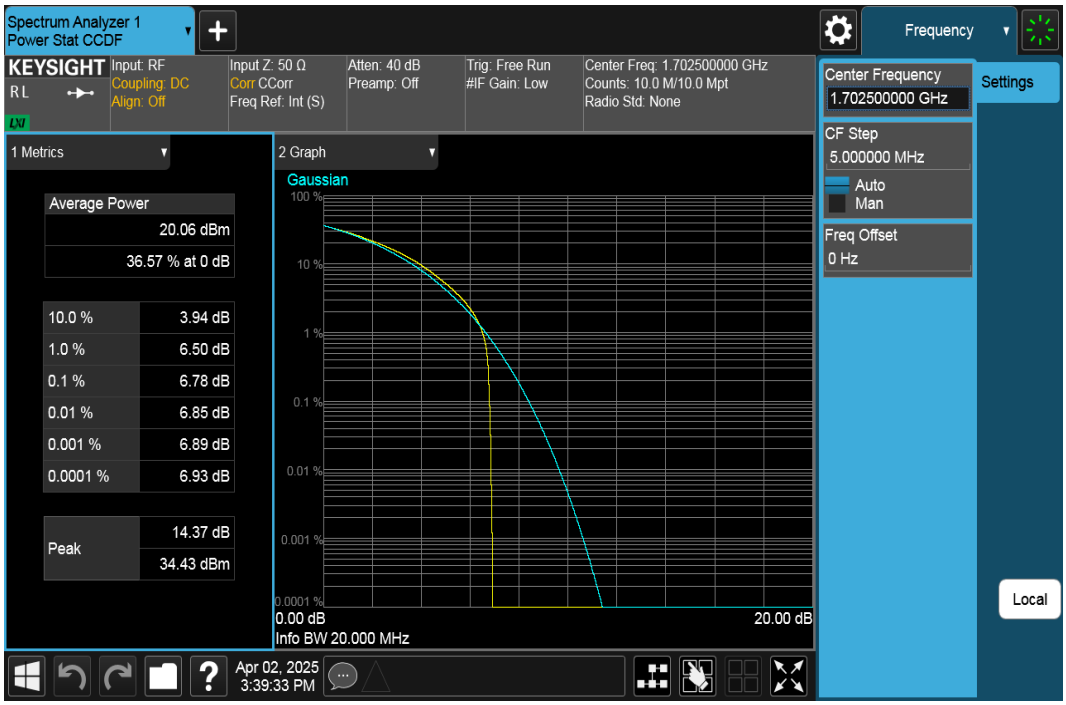


N70-5M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



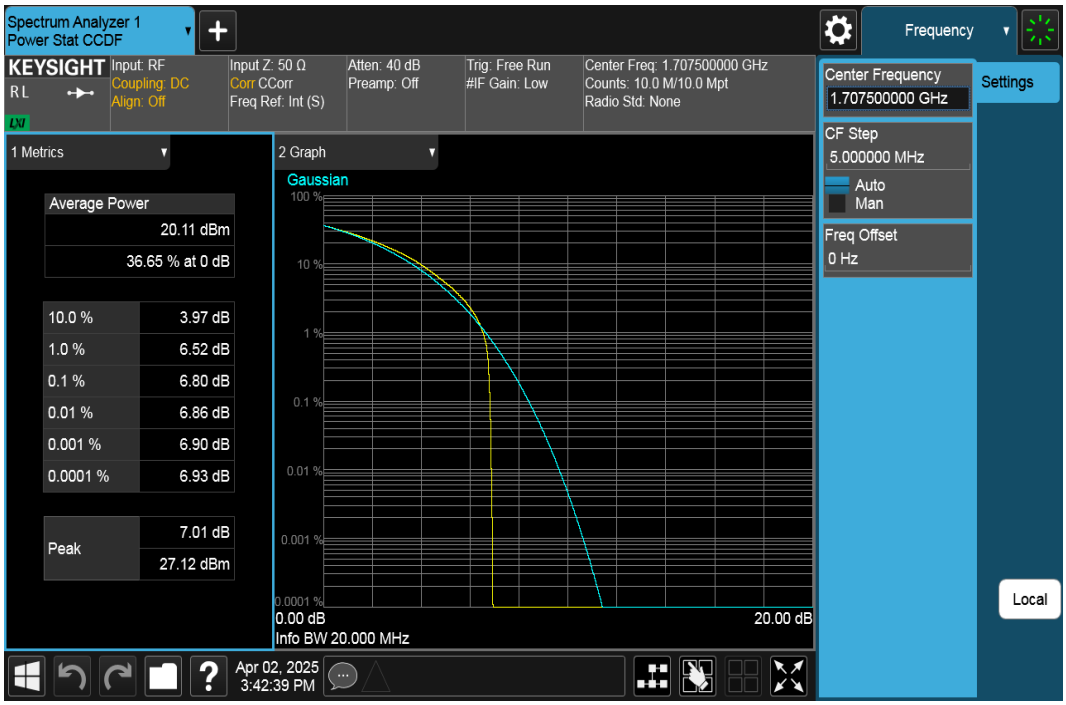
N70-5M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N70-5M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N70-5M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N70-5M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N70-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

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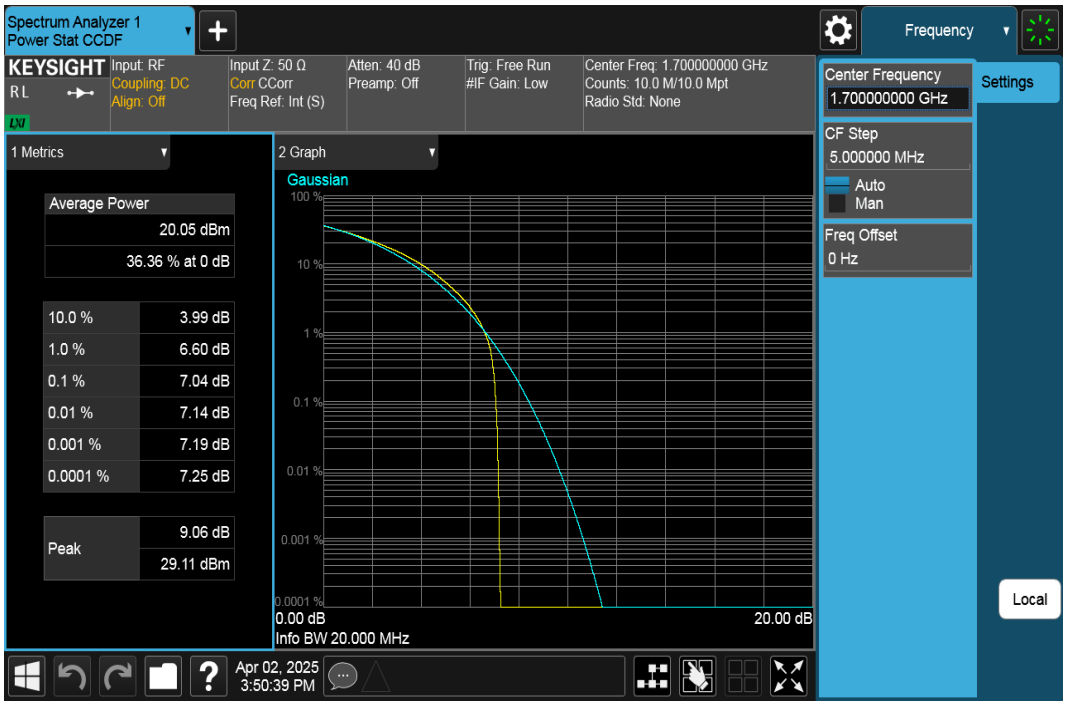
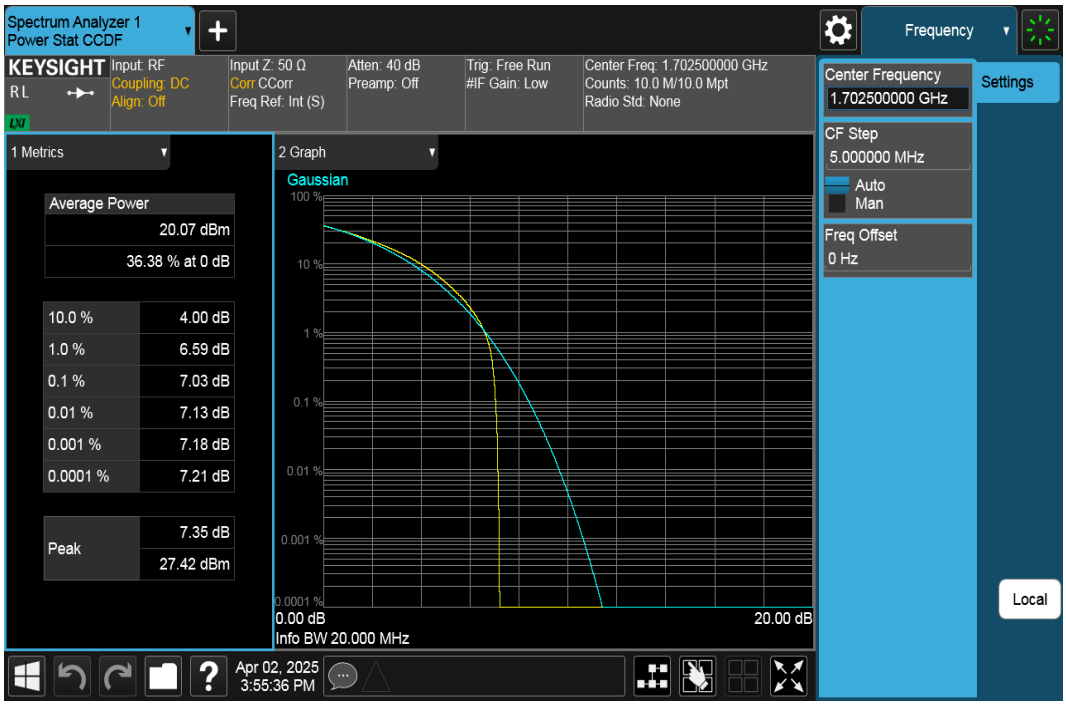


N70-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N70-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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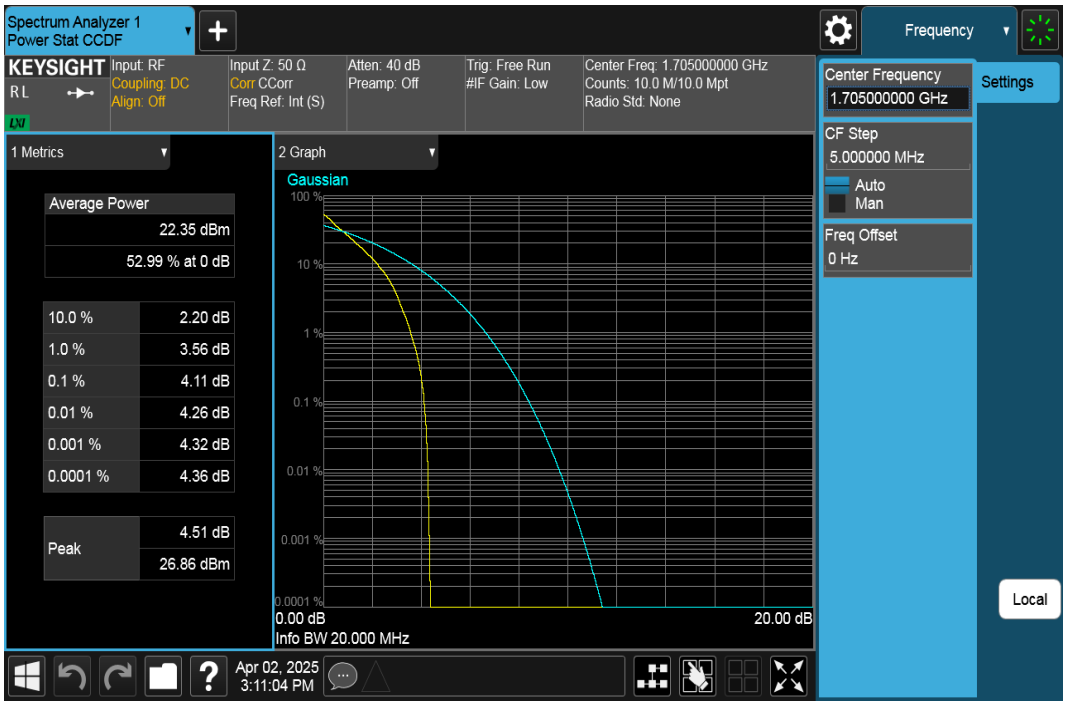
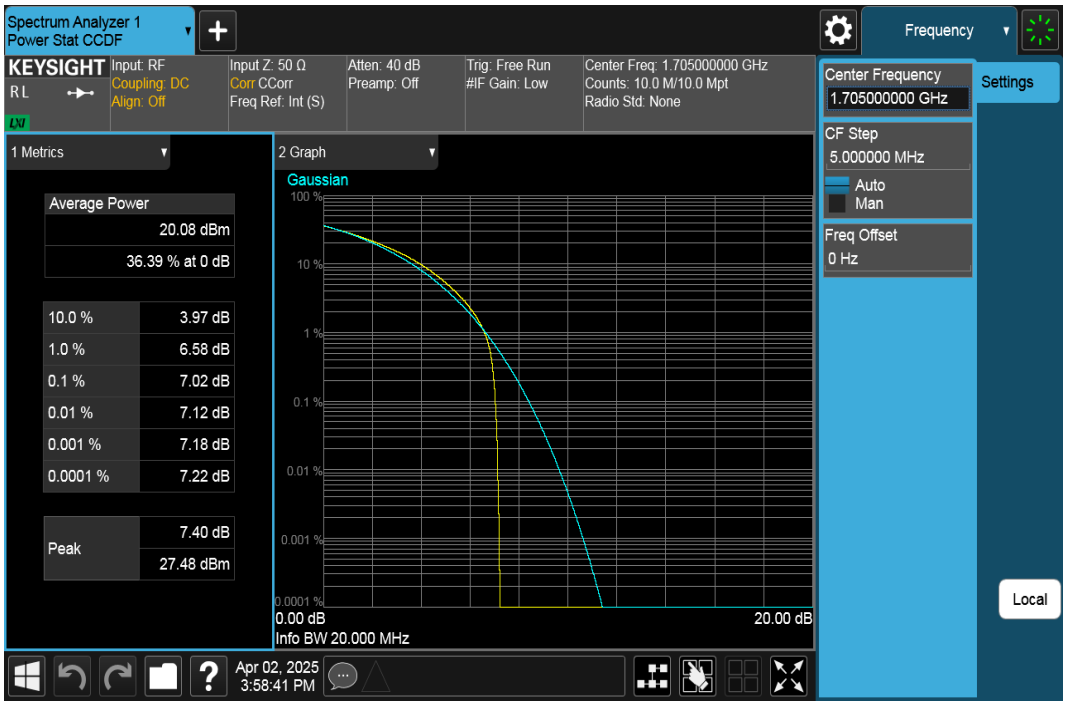
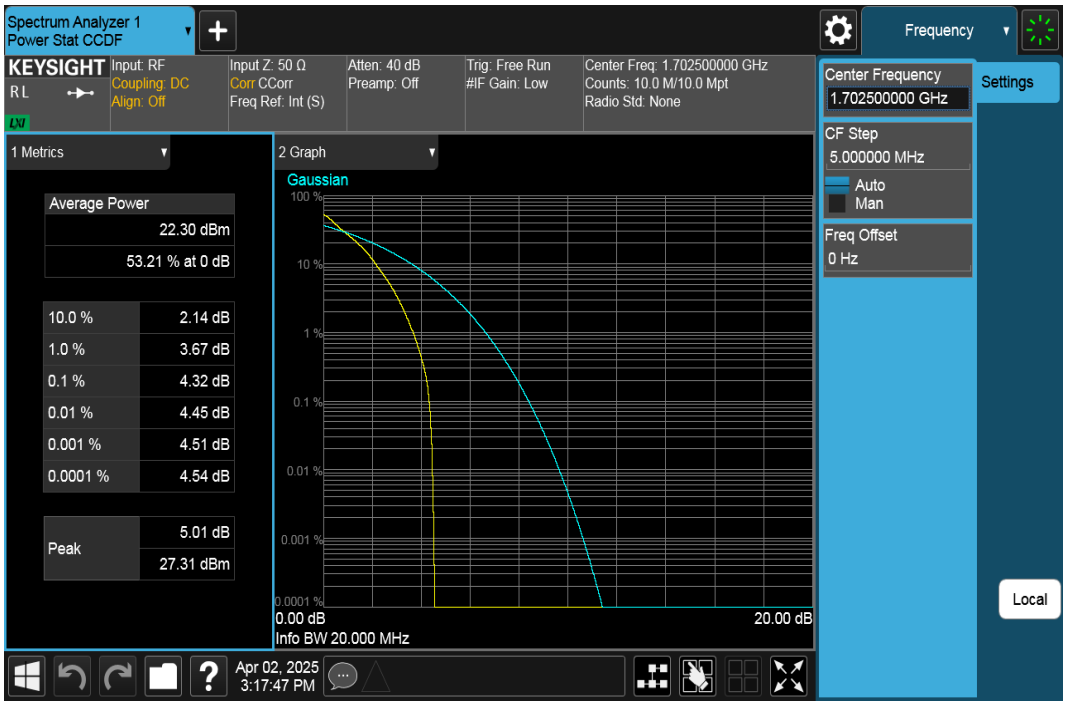


N70-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N70-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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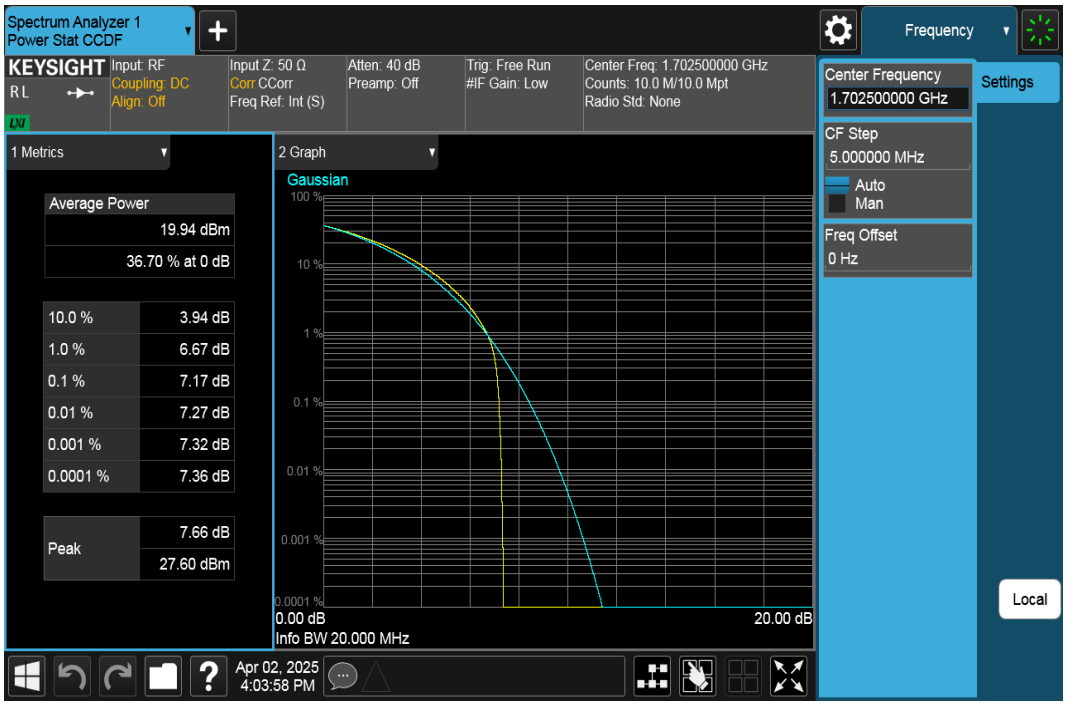
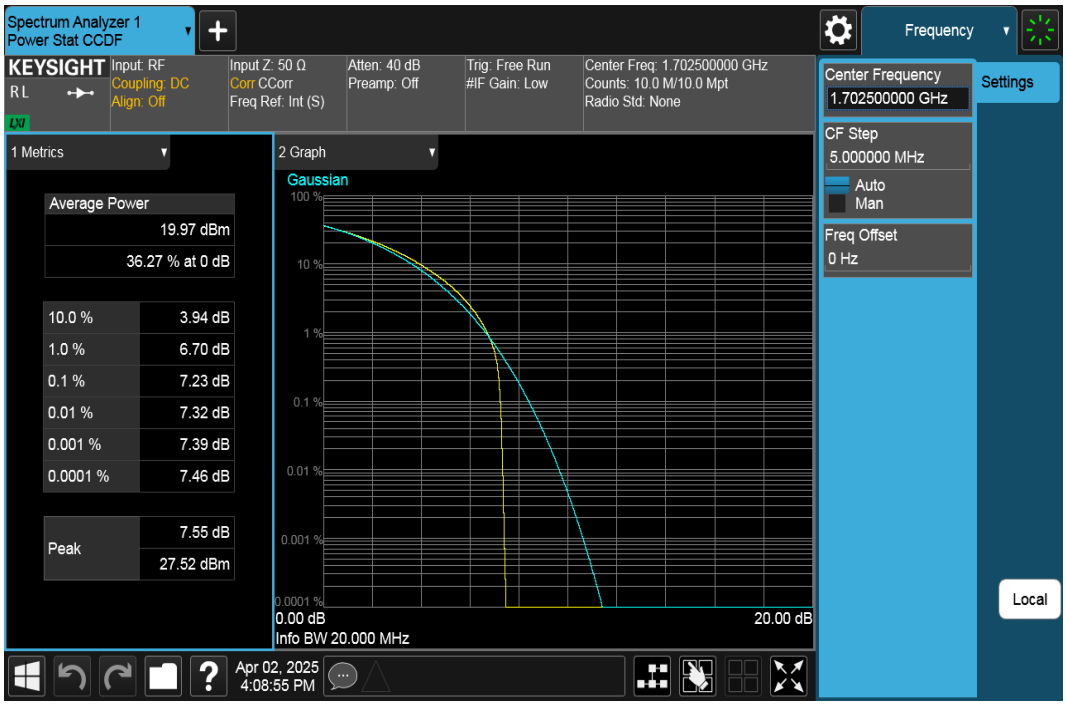


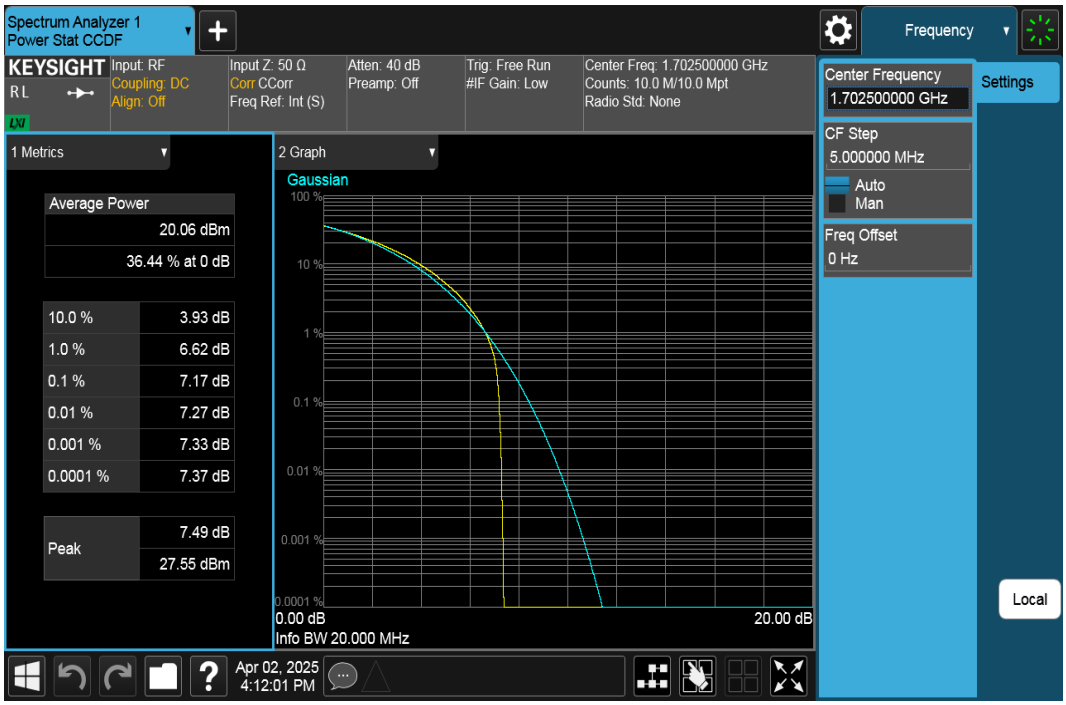
N70-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N70-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N70-15M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

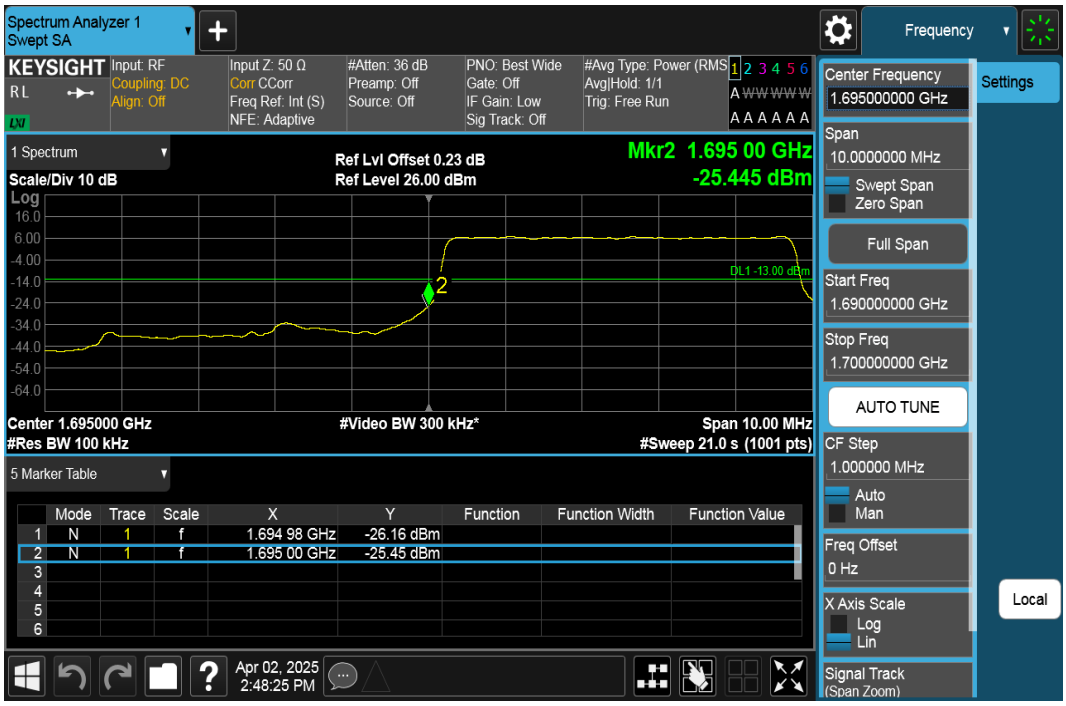
N70-15M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



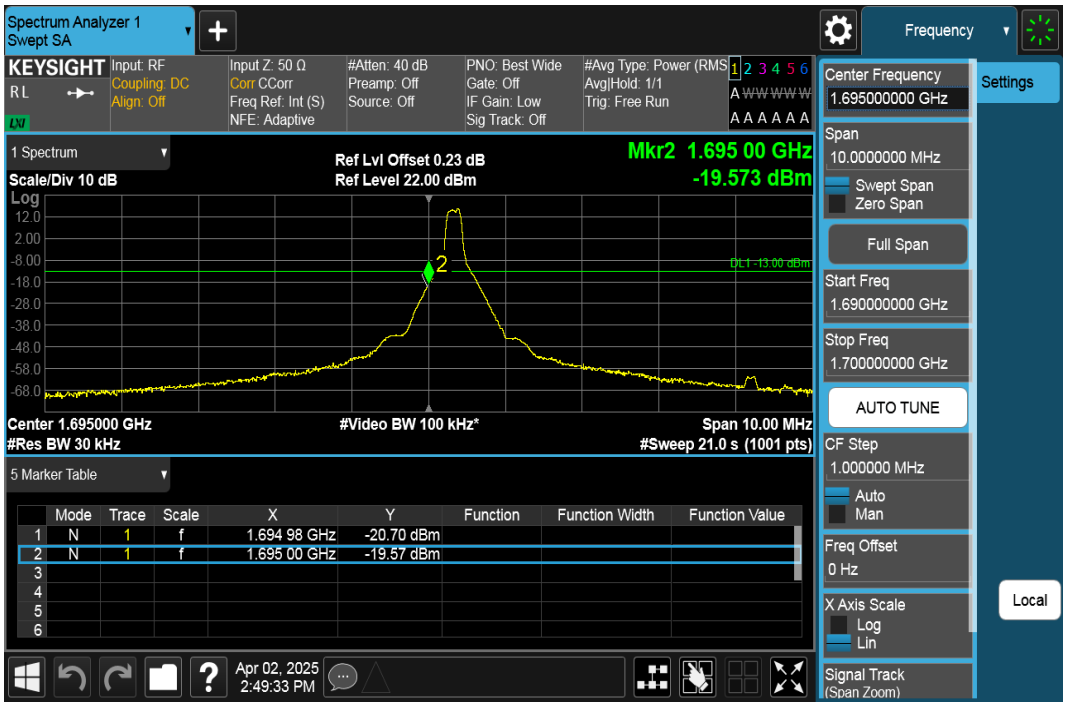
Bandedge

test graph

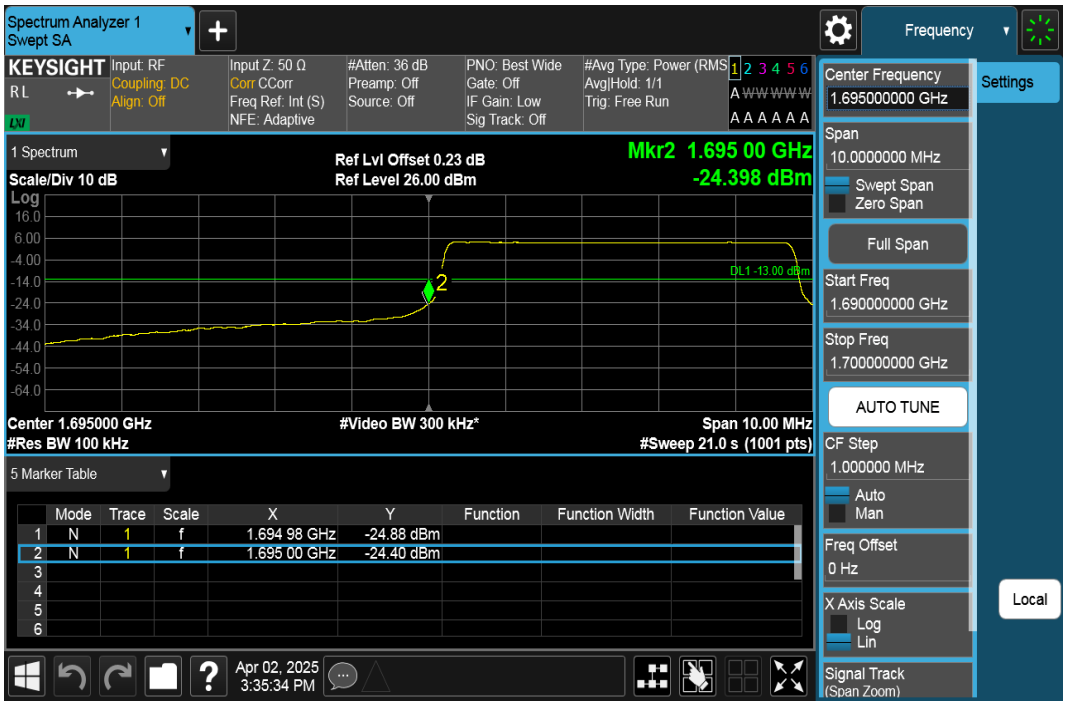
N70-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



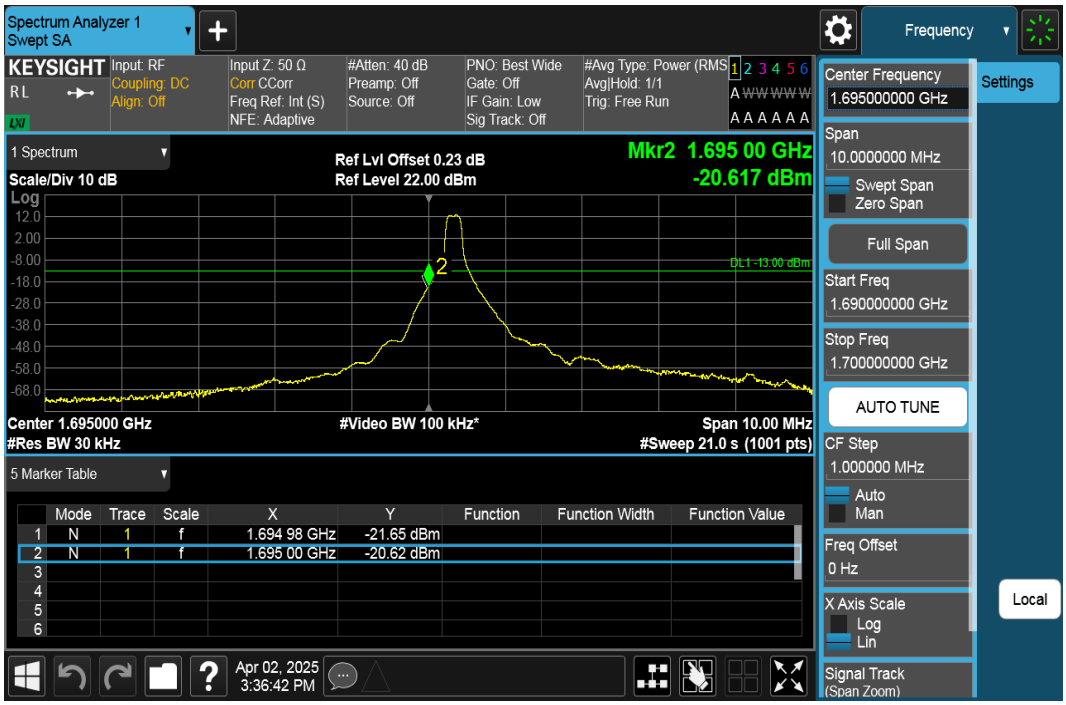
N70-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



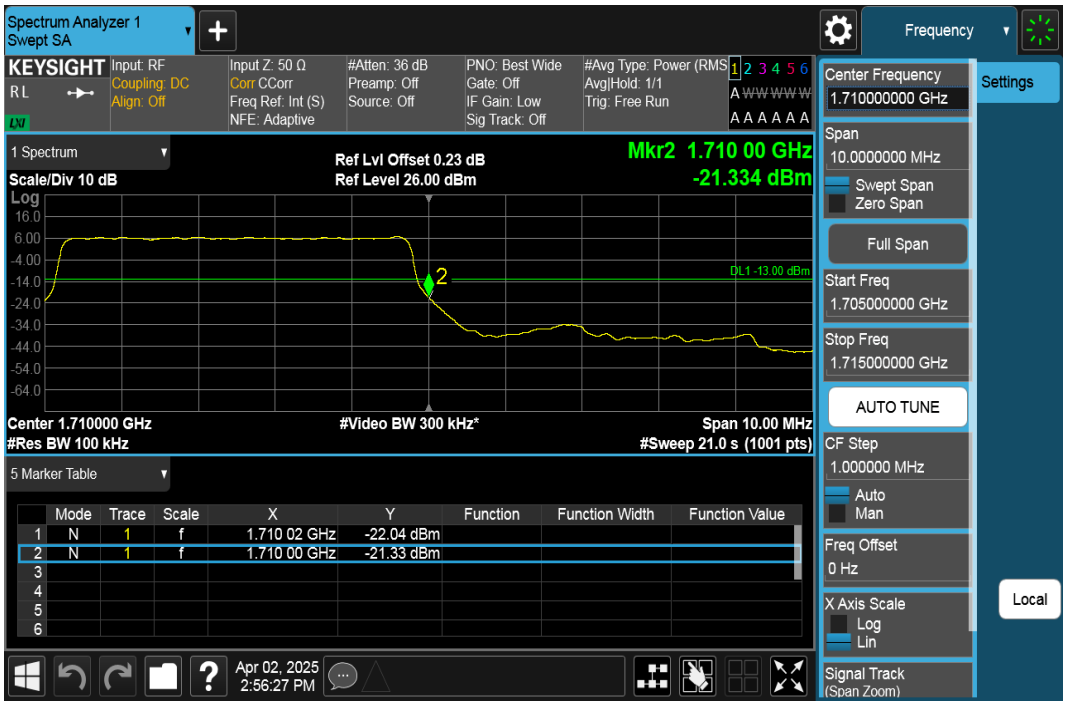
N70-5M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



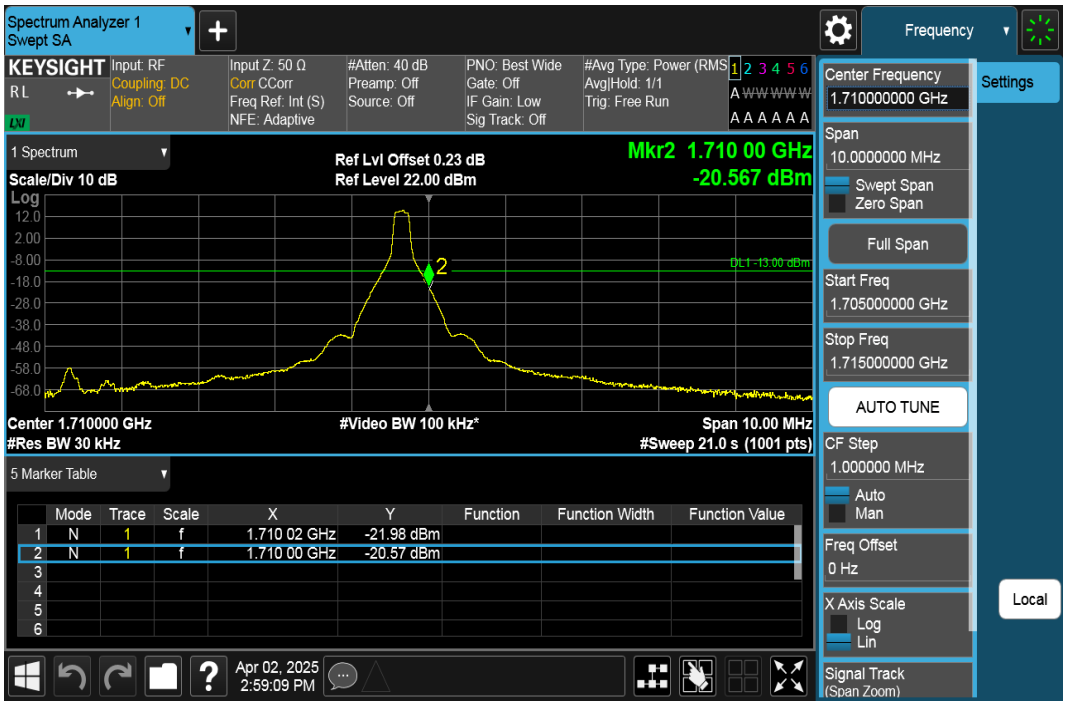
N70-5M-Bandedge-LCH-CP-OFDM-QPSK-1RB0



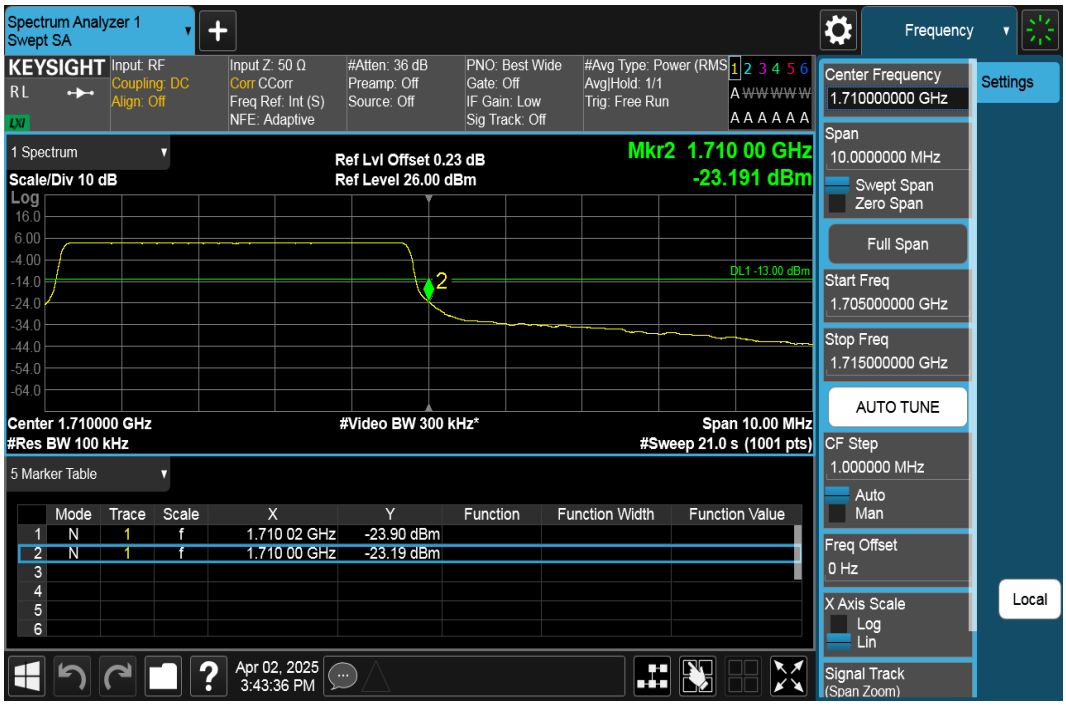
N70-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



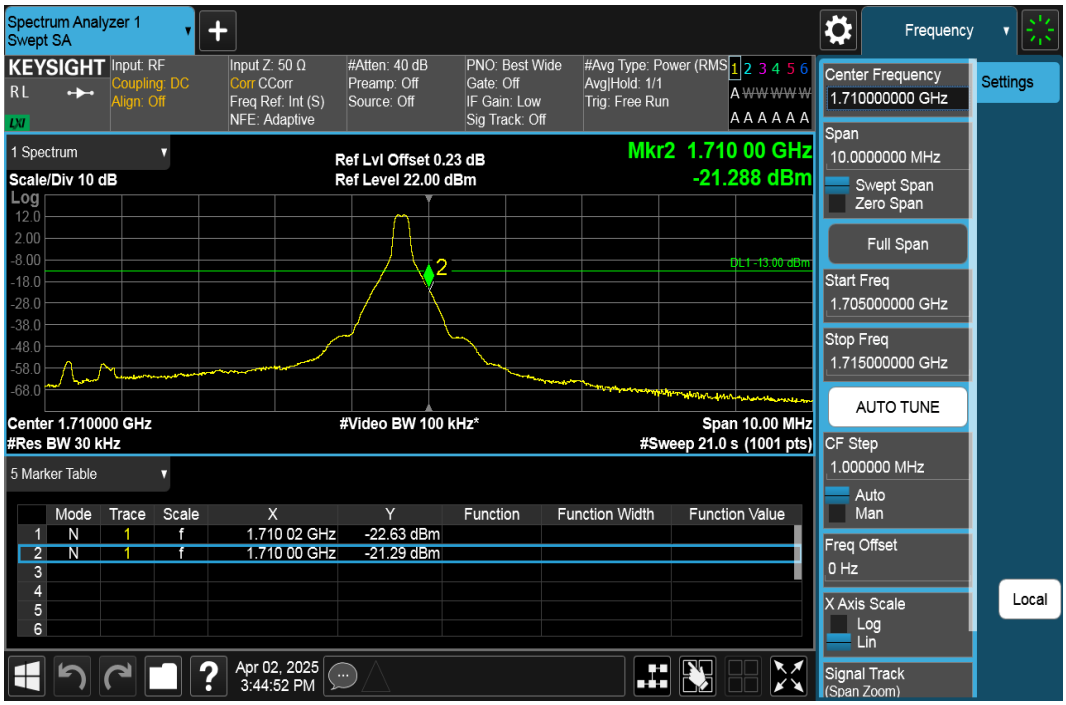
N70-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



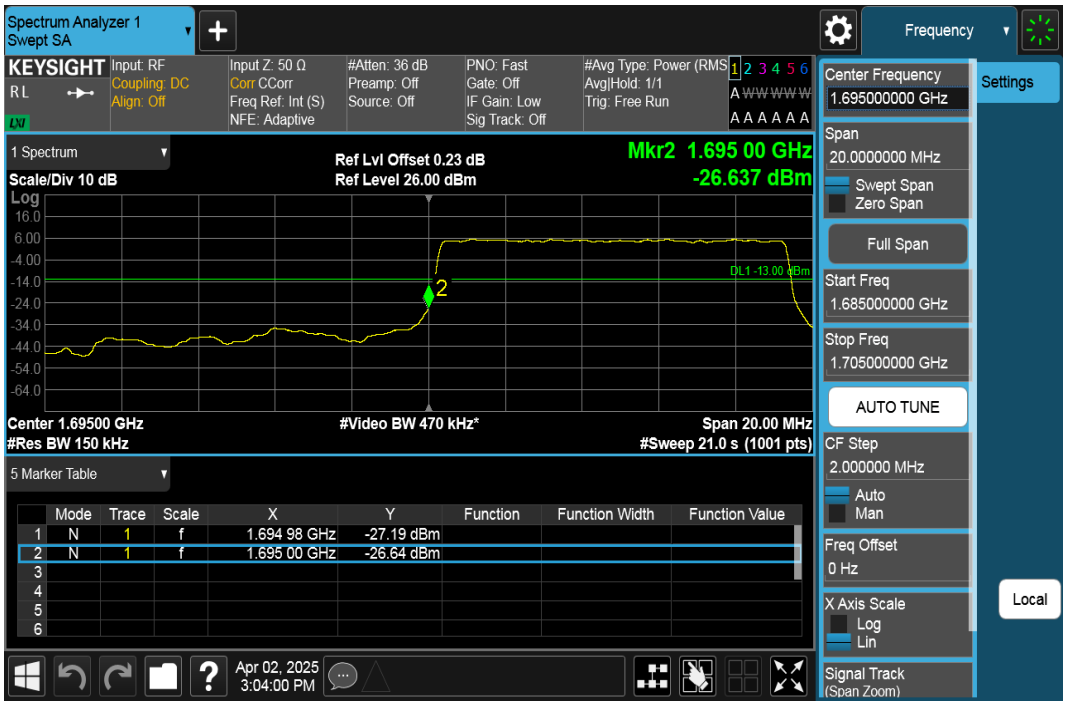
N70-5M-Bandedge-HCH-CP-OFDM-QPSK-Outer_Full



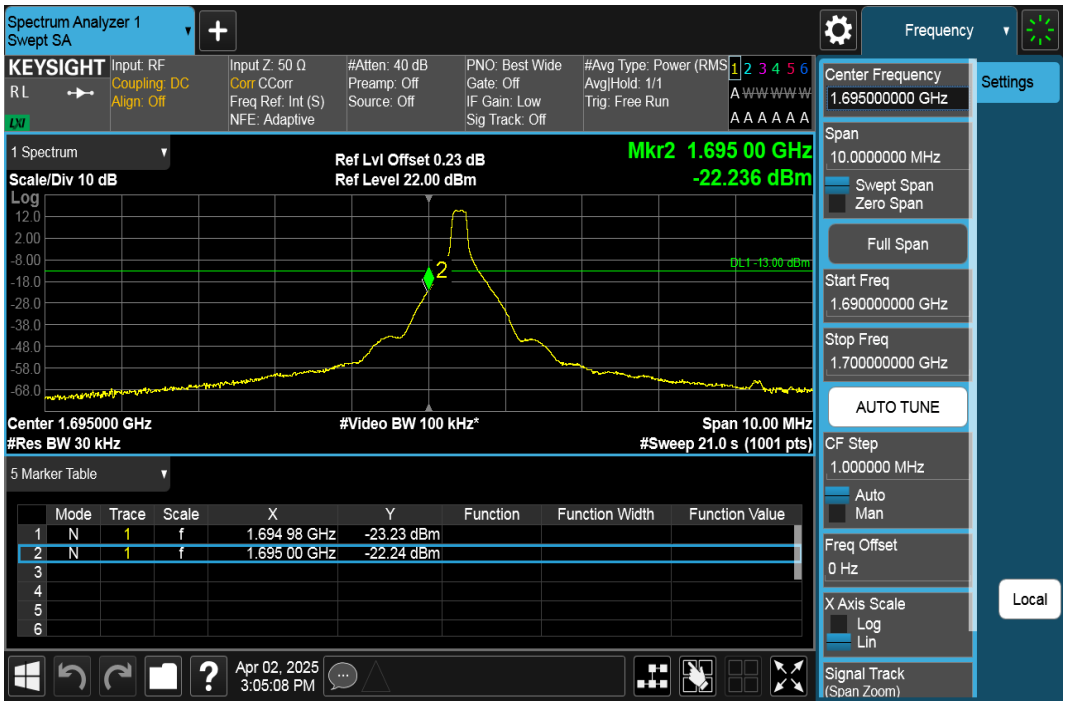
N70-5M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



N70-10M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N70-10M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



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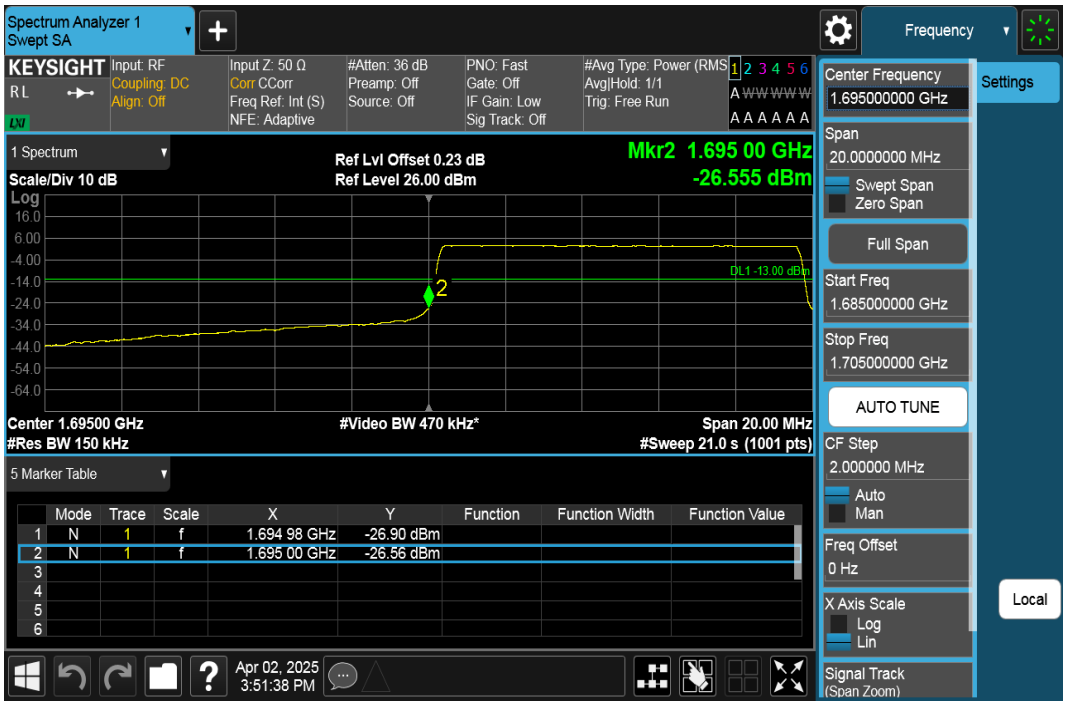

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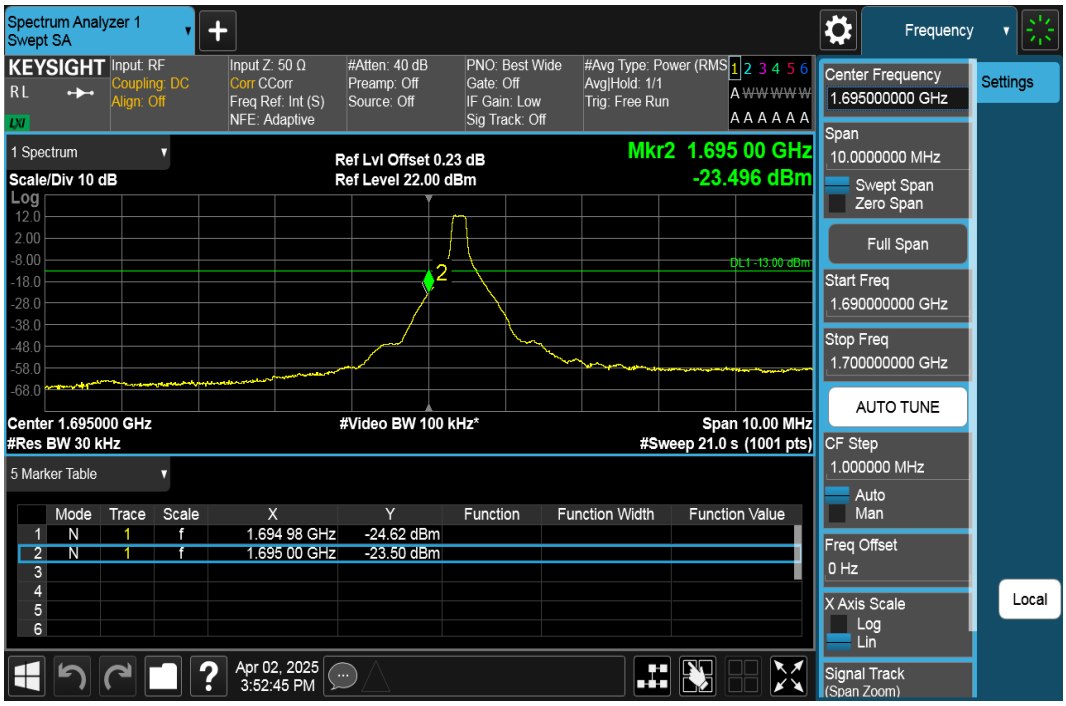

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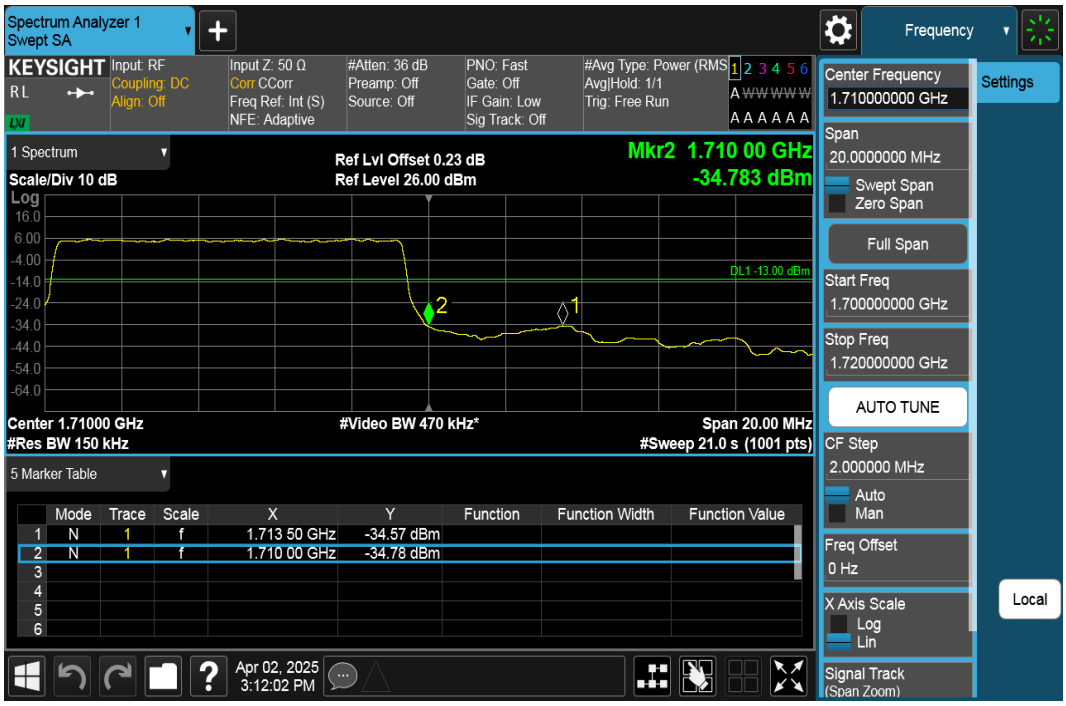

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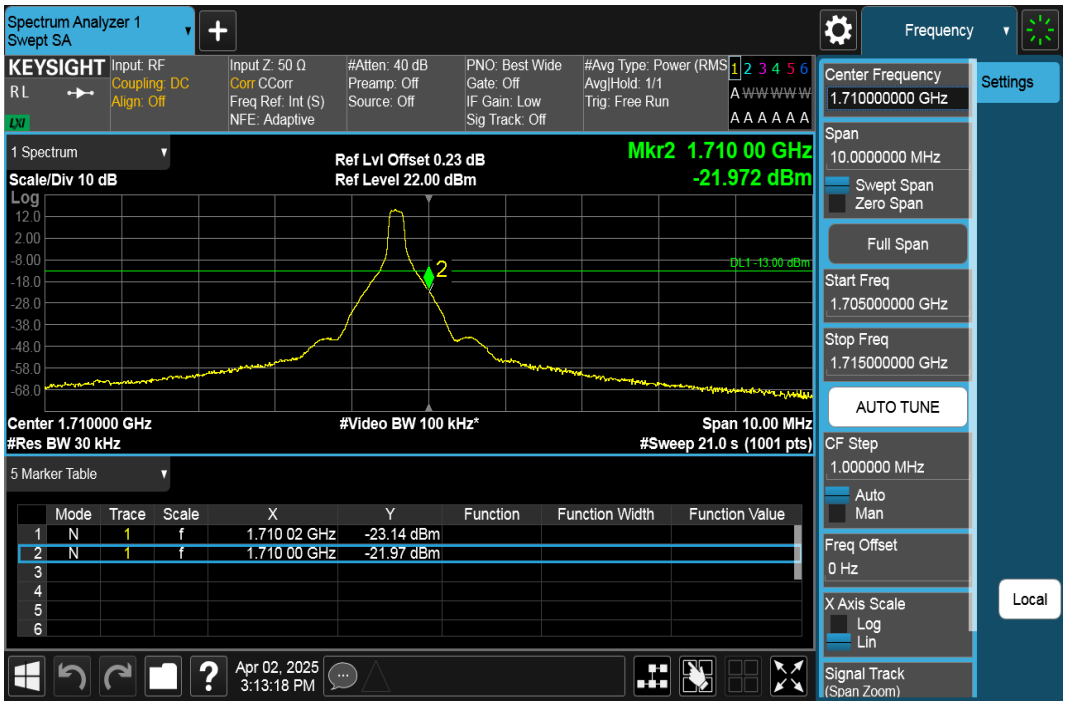

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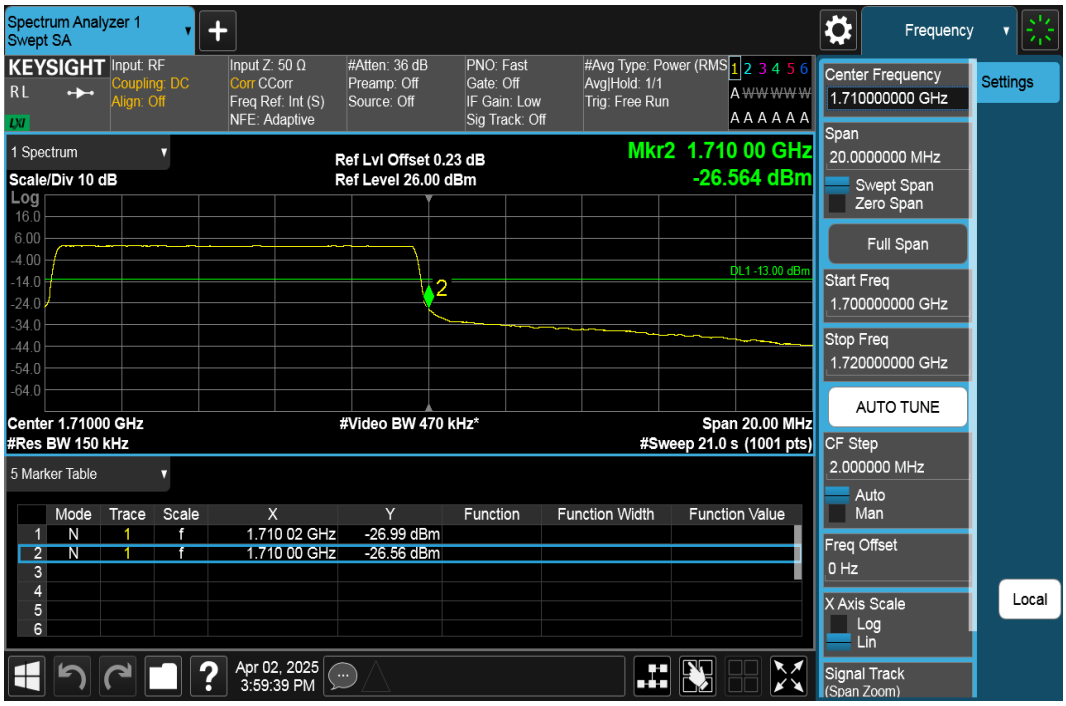

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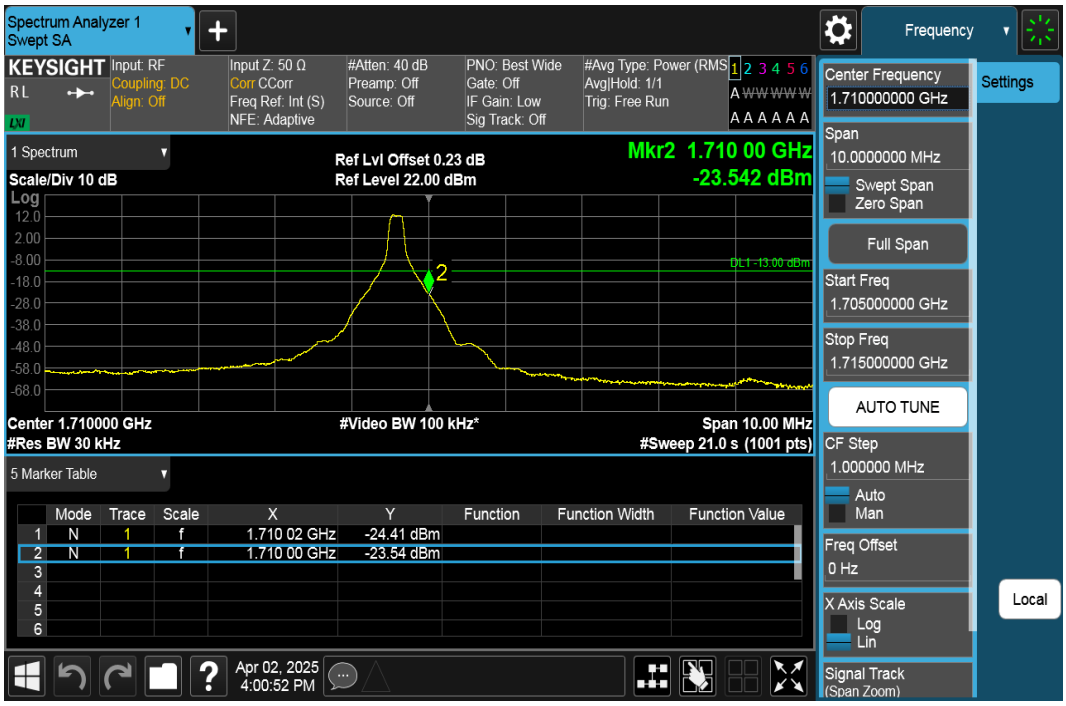

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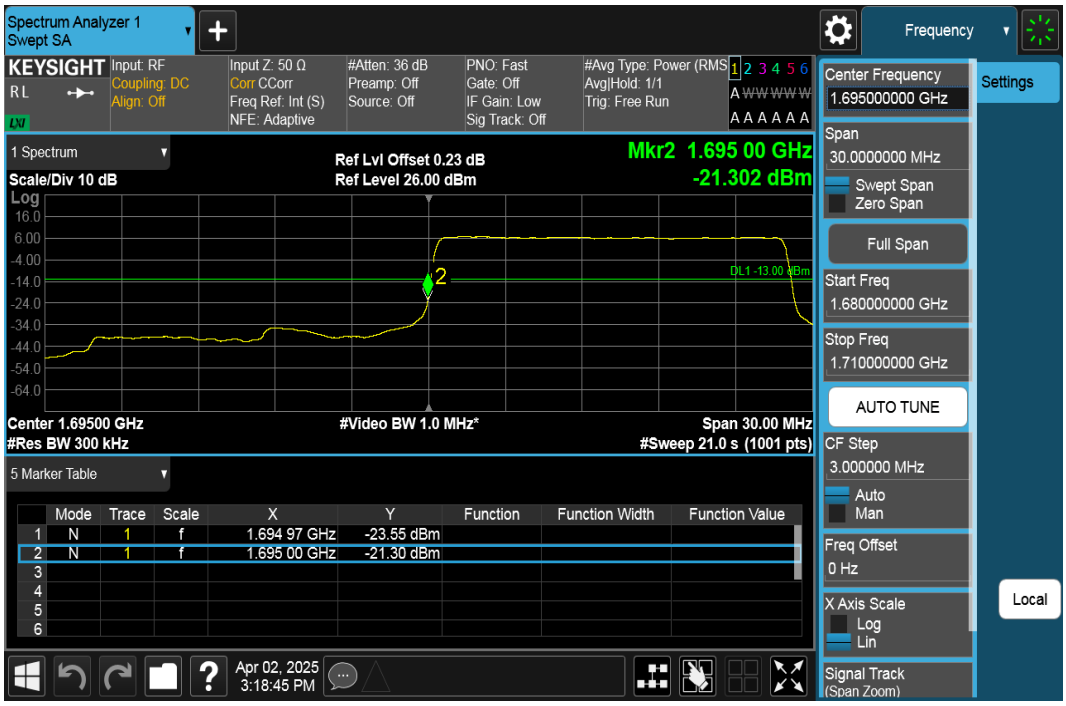

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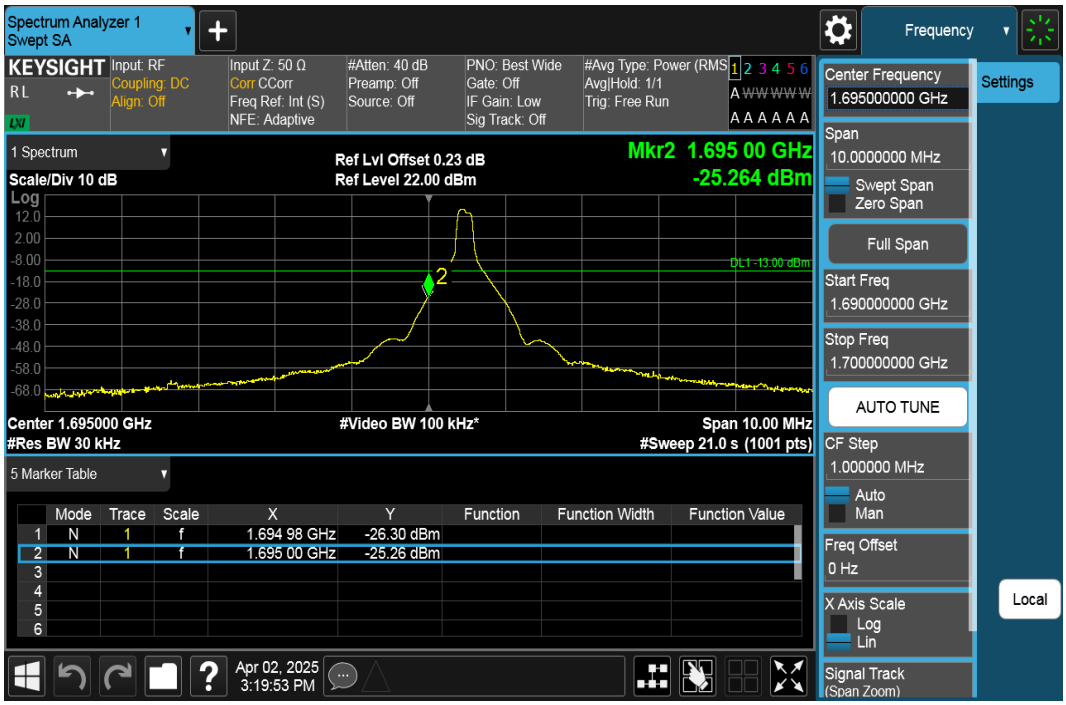

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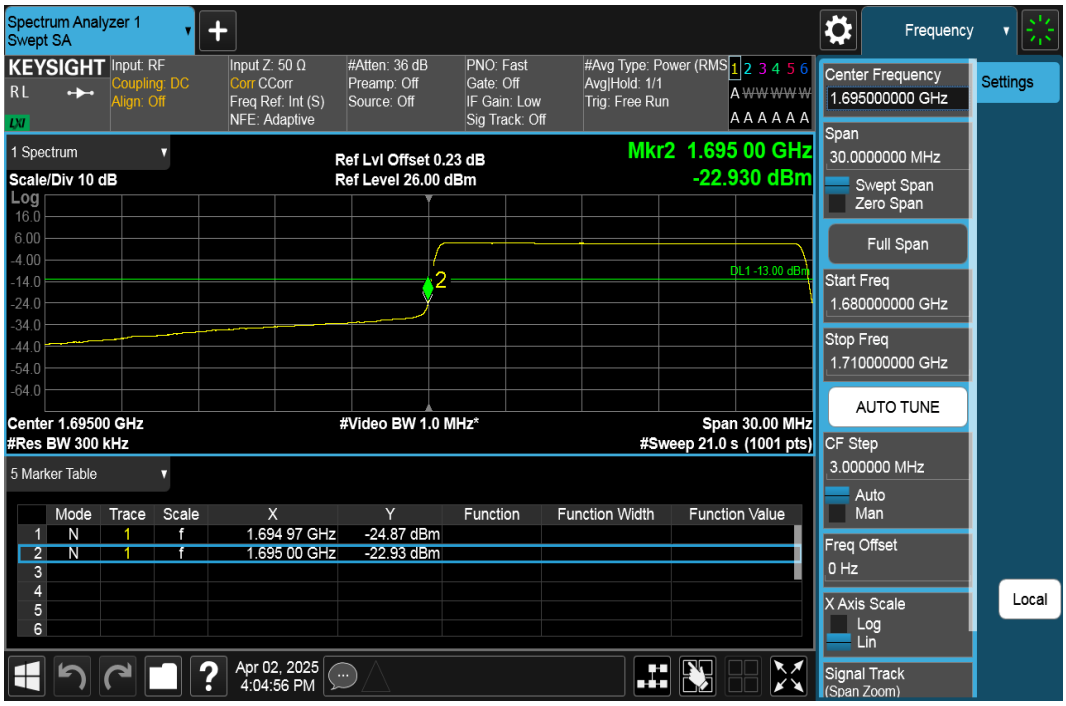

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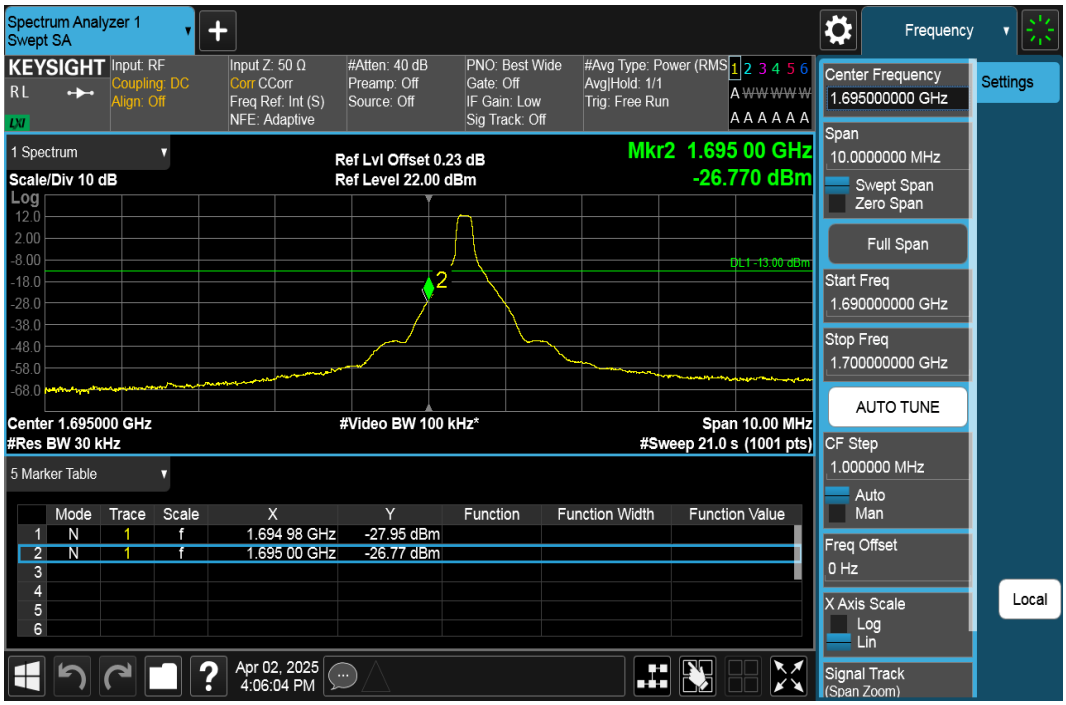

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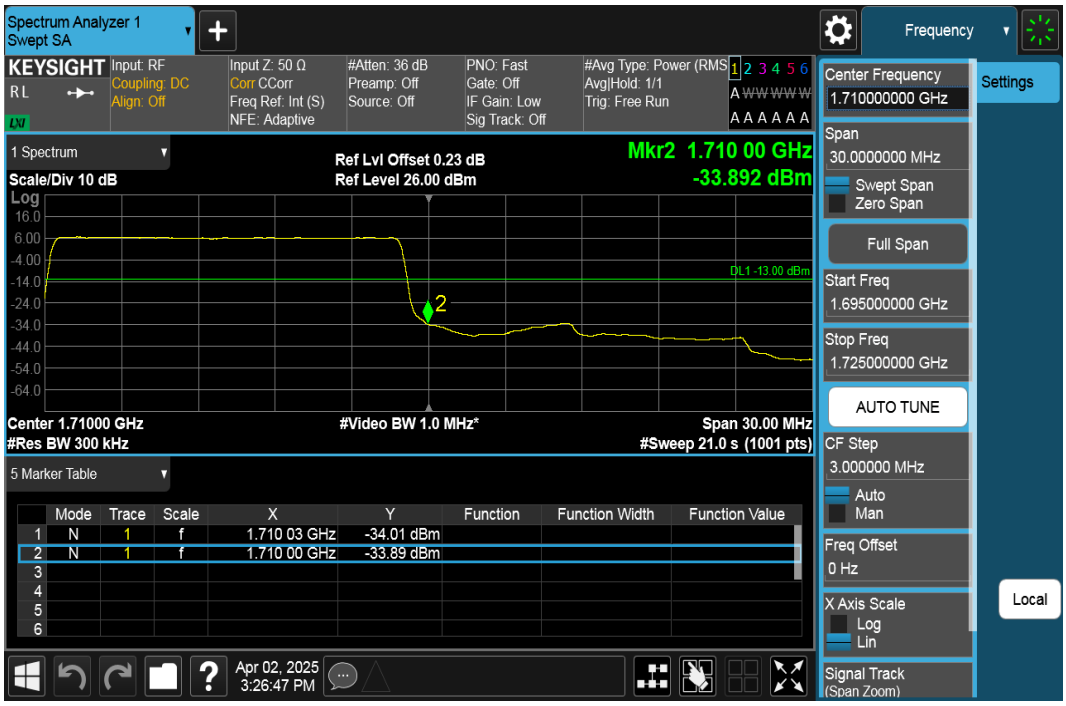
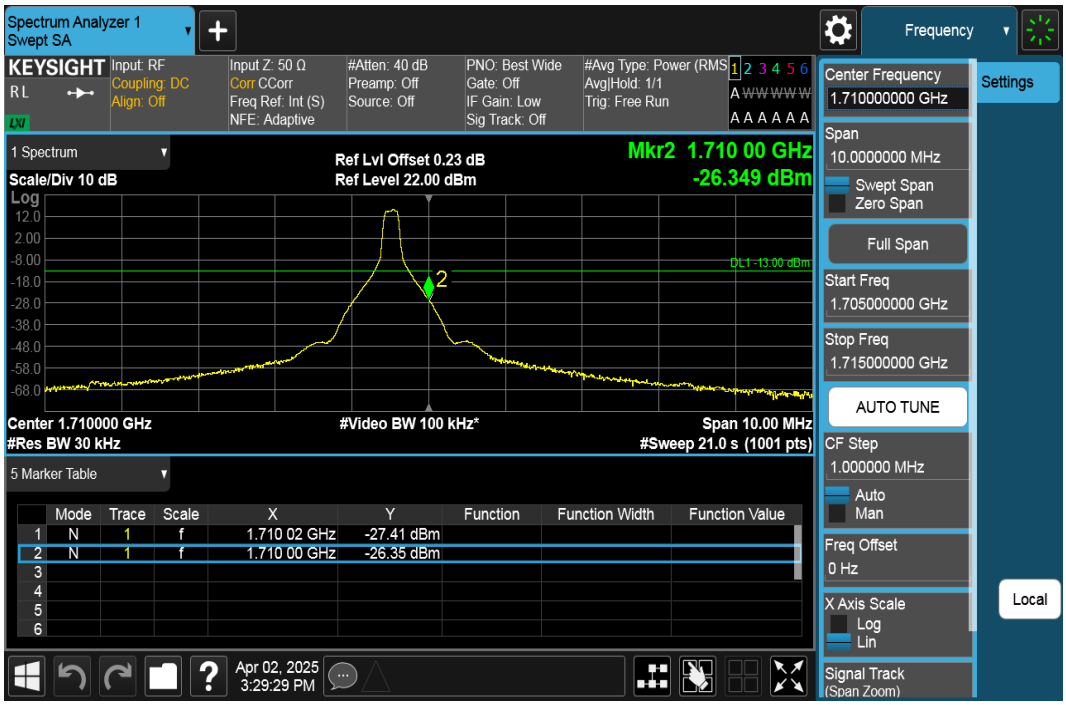


N70-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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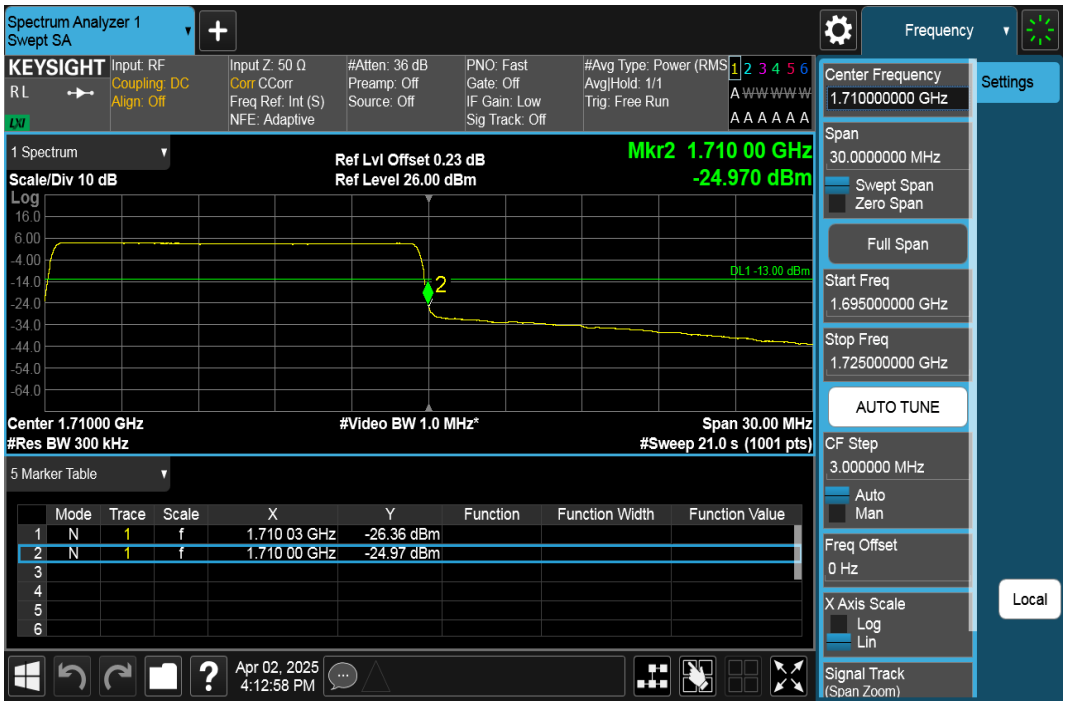
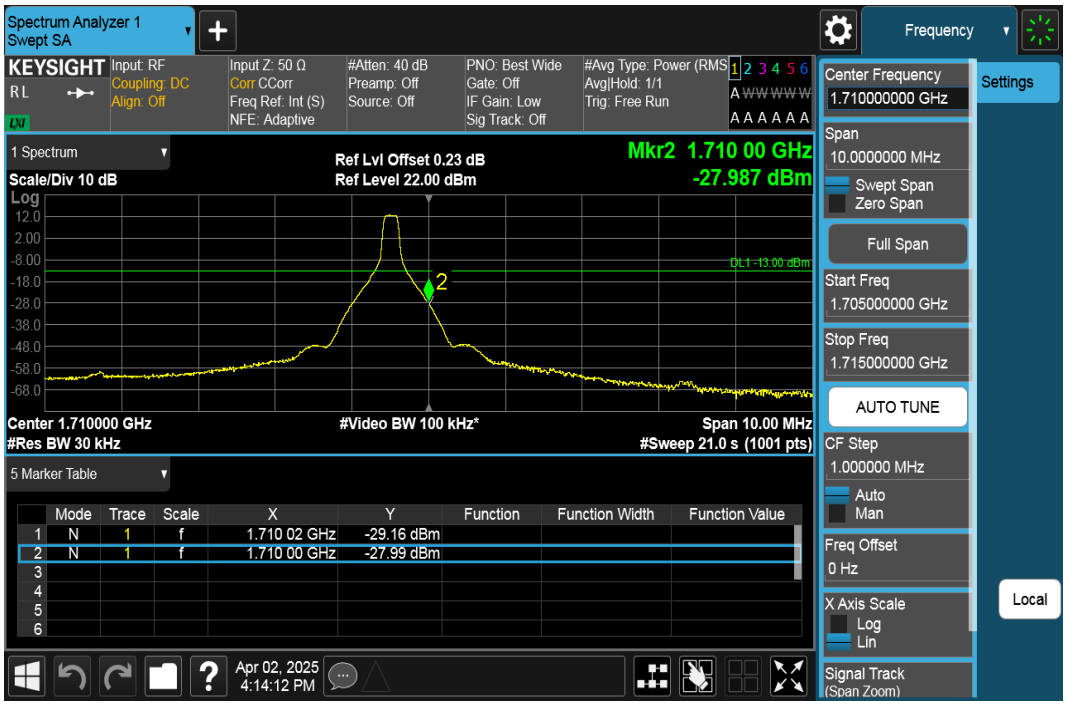


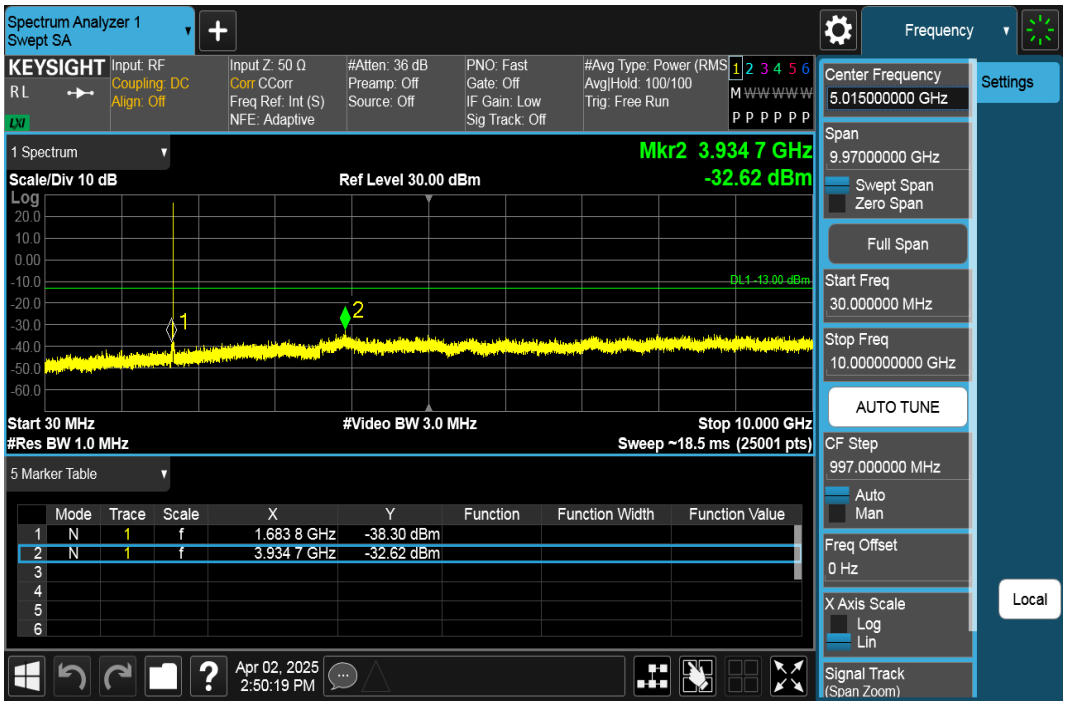
N70-15M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



Conducted spurious emissions

test graph

N70-5M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



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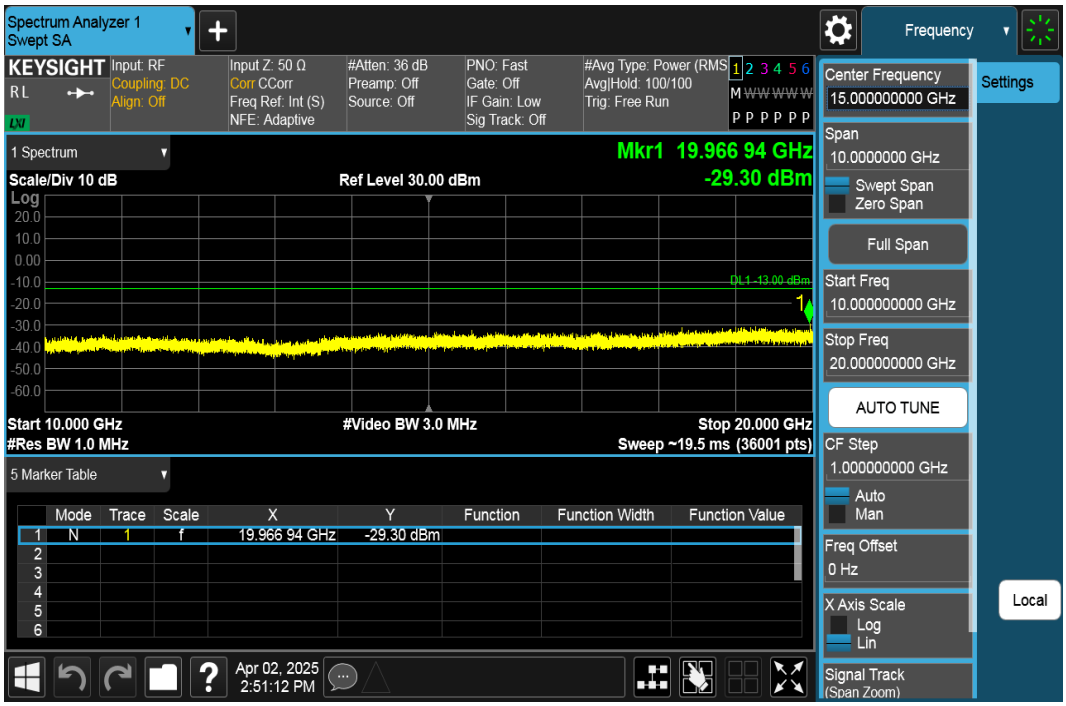
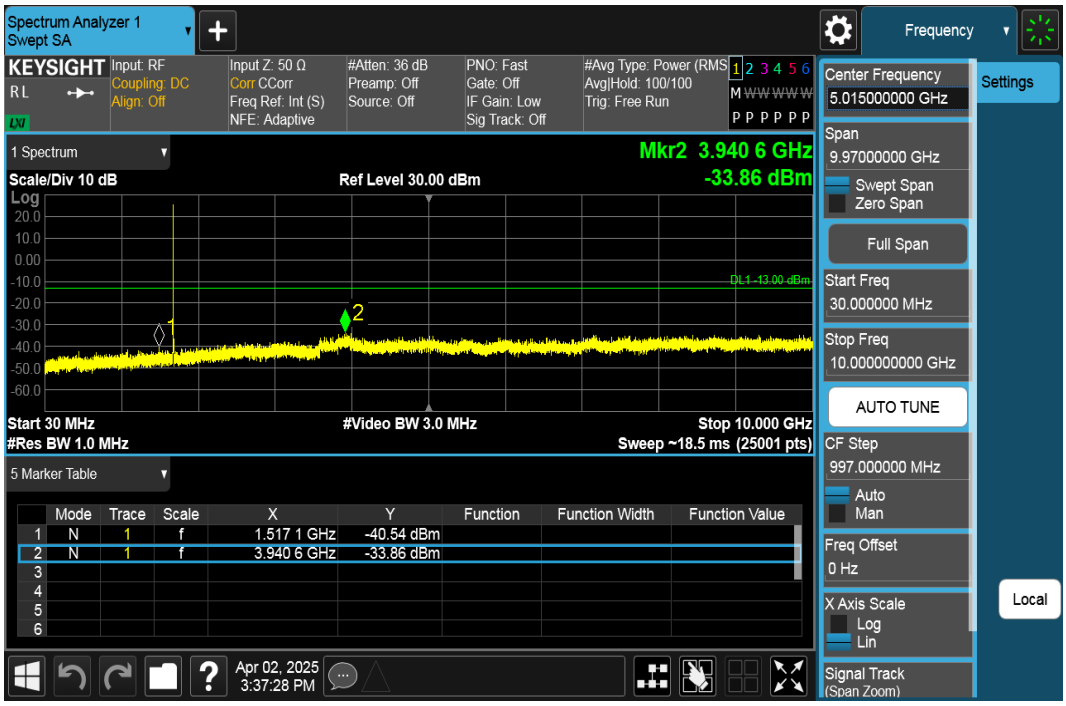


N70-5M-CSE-LCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



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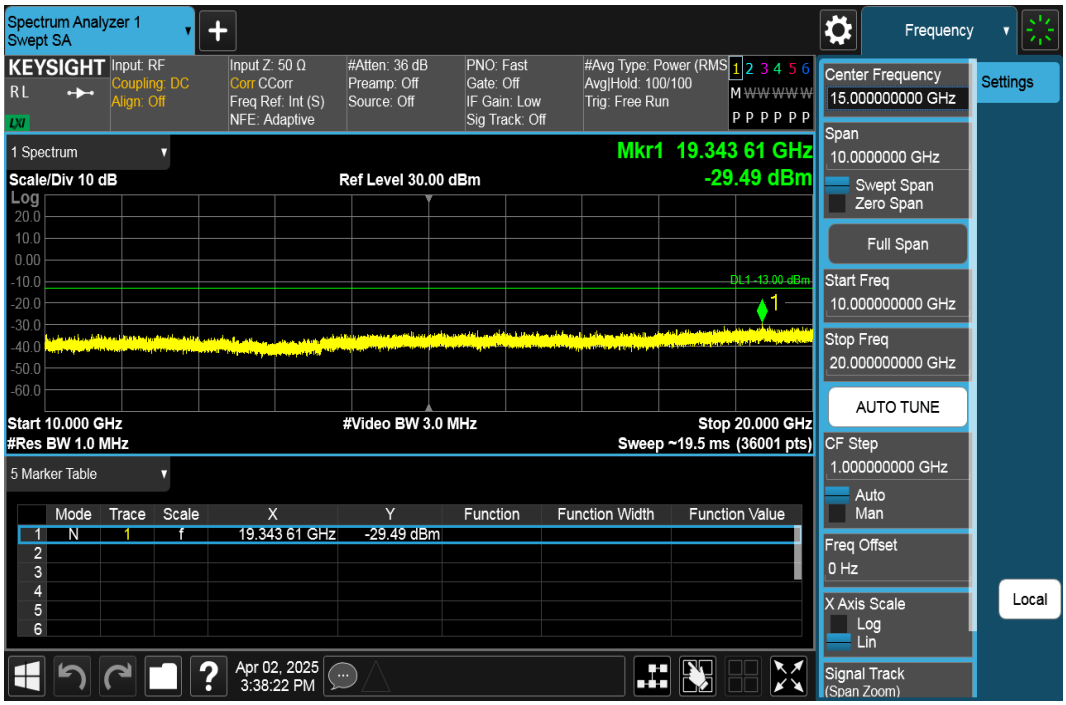

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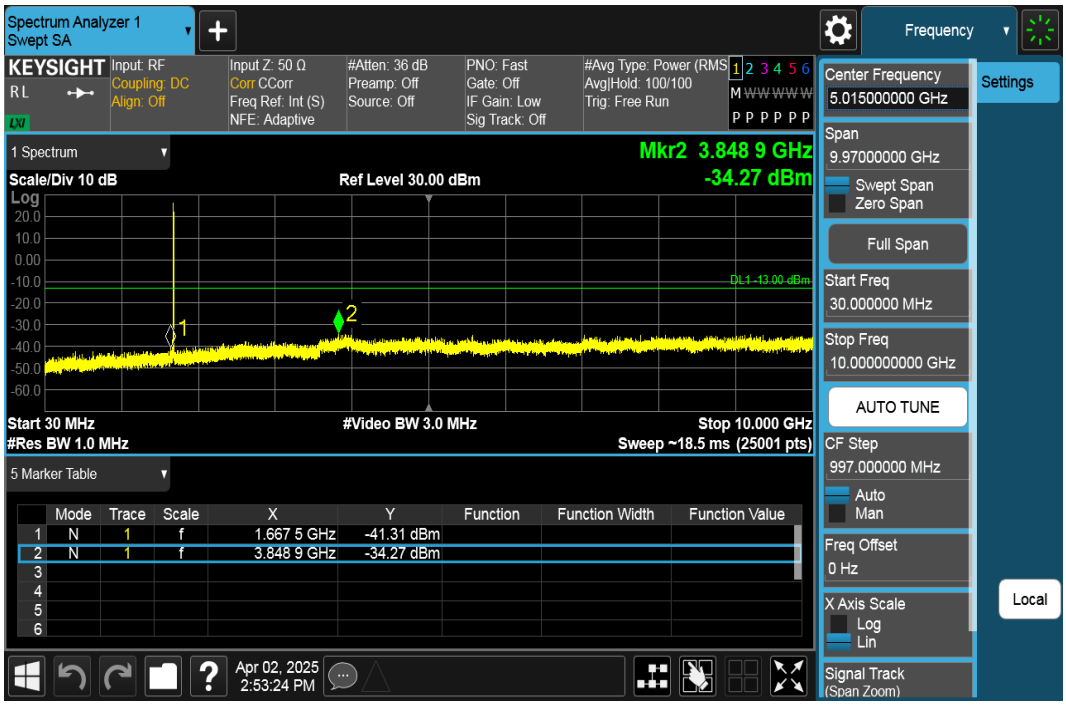
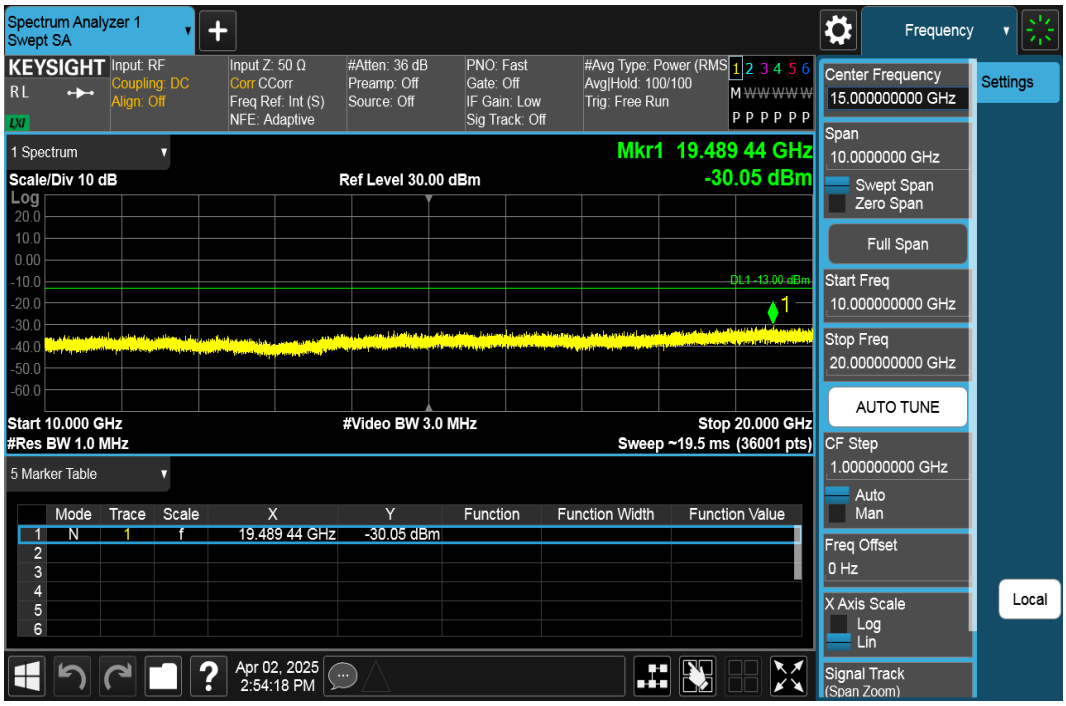
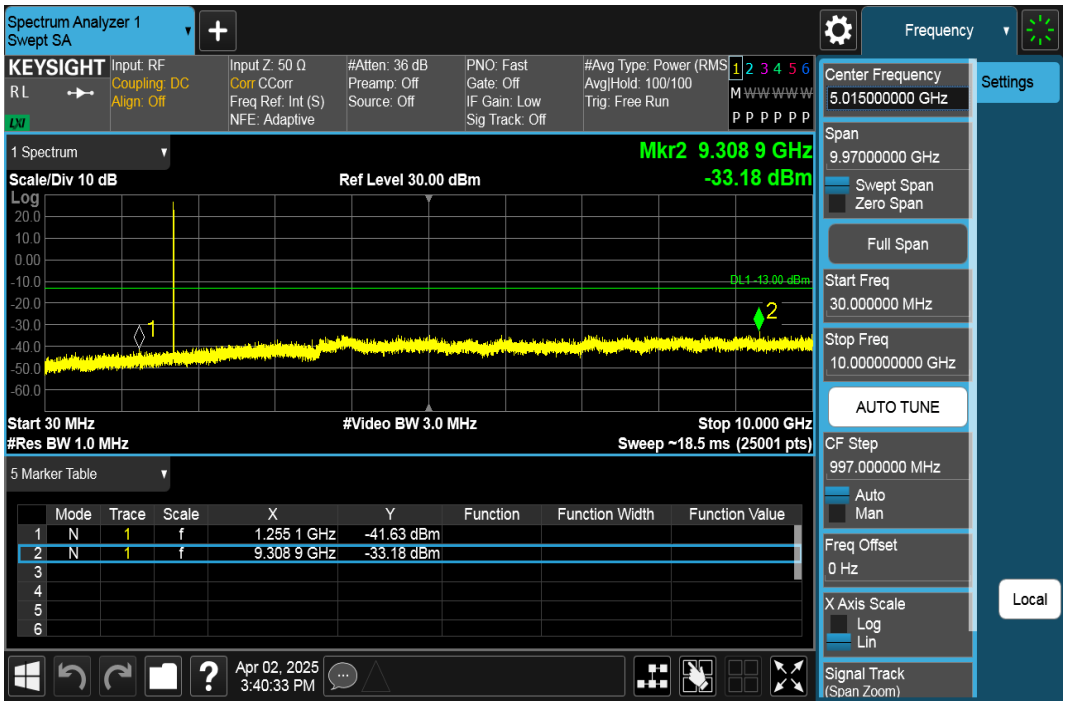


N70-5M-CSE-MCH-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N70-5M-CSE-MCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N70-5M-CSE-MCH-CP-OFDM-QPSK-1RB0-10GHz-20GHz

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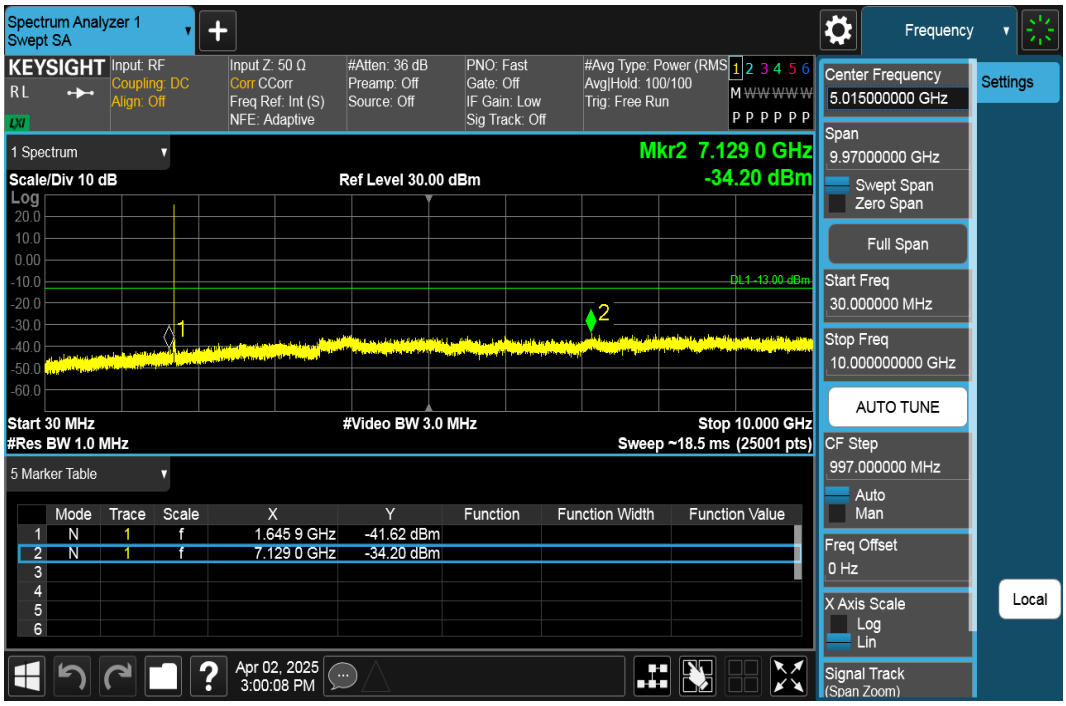
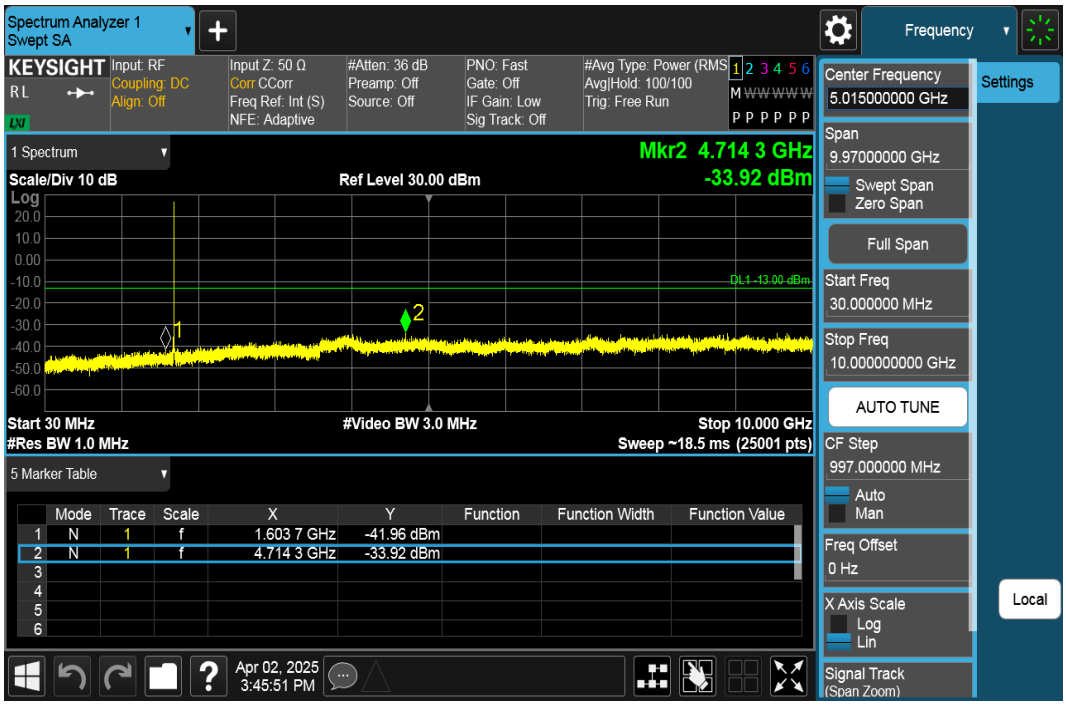


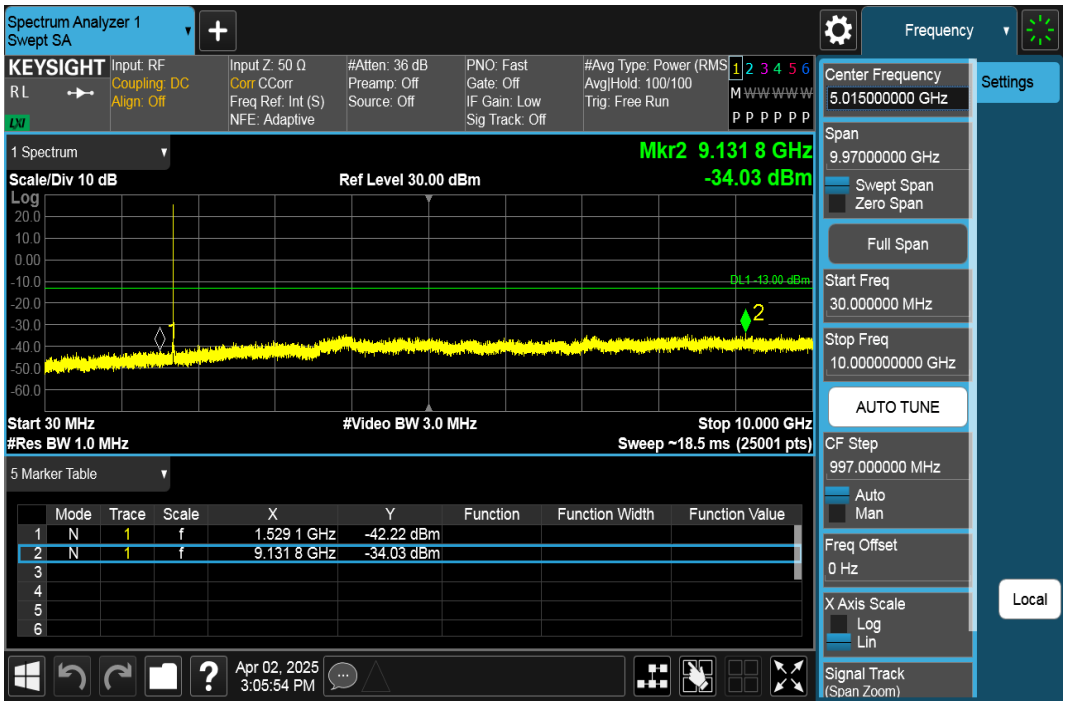
N70-5M-CSE-HCH-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

N70-5M-CSE-HCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N70-5M-CSE-HCH-CP-OFDM-QPSK-1RB0-10GHz-20GHz

N70-10M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



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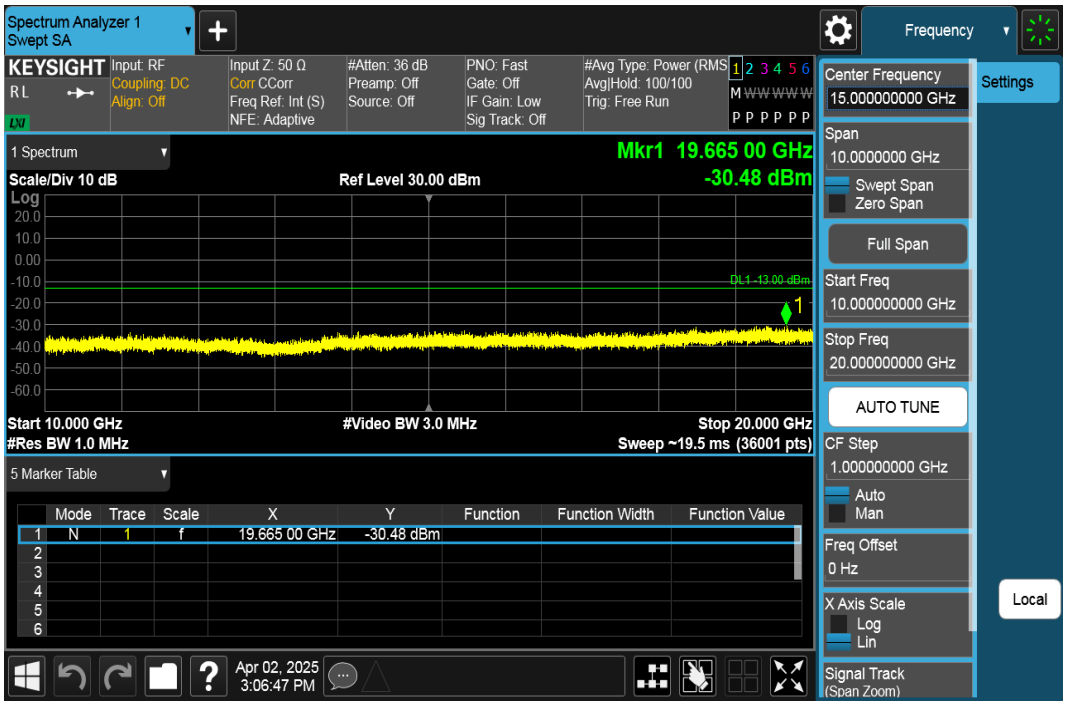

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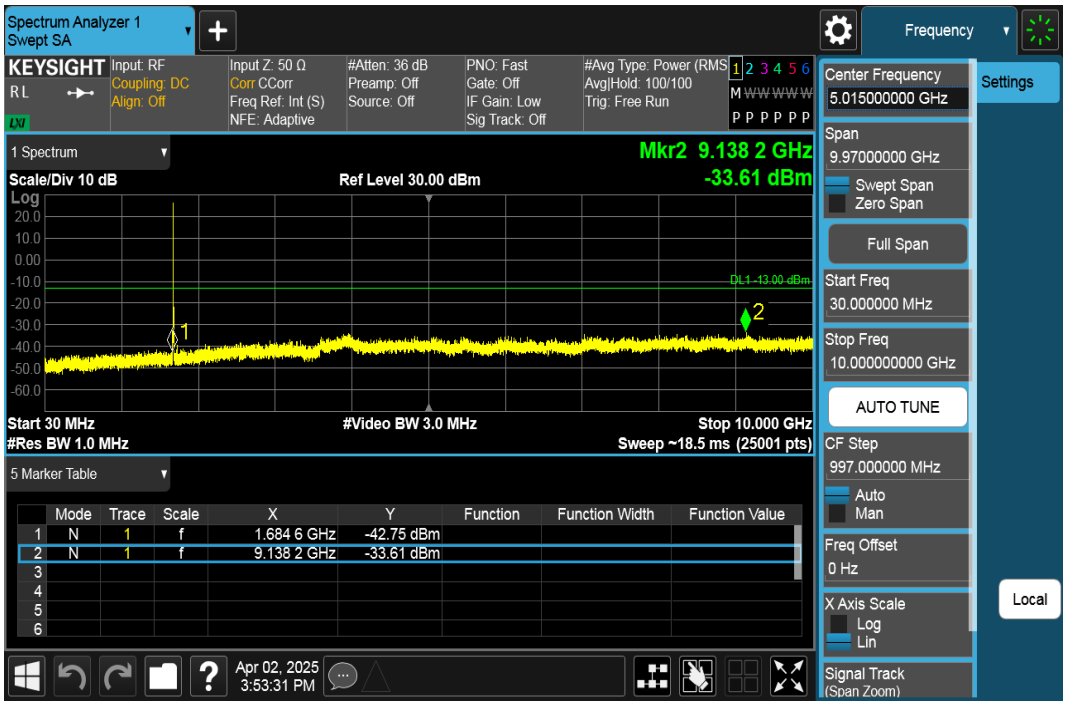
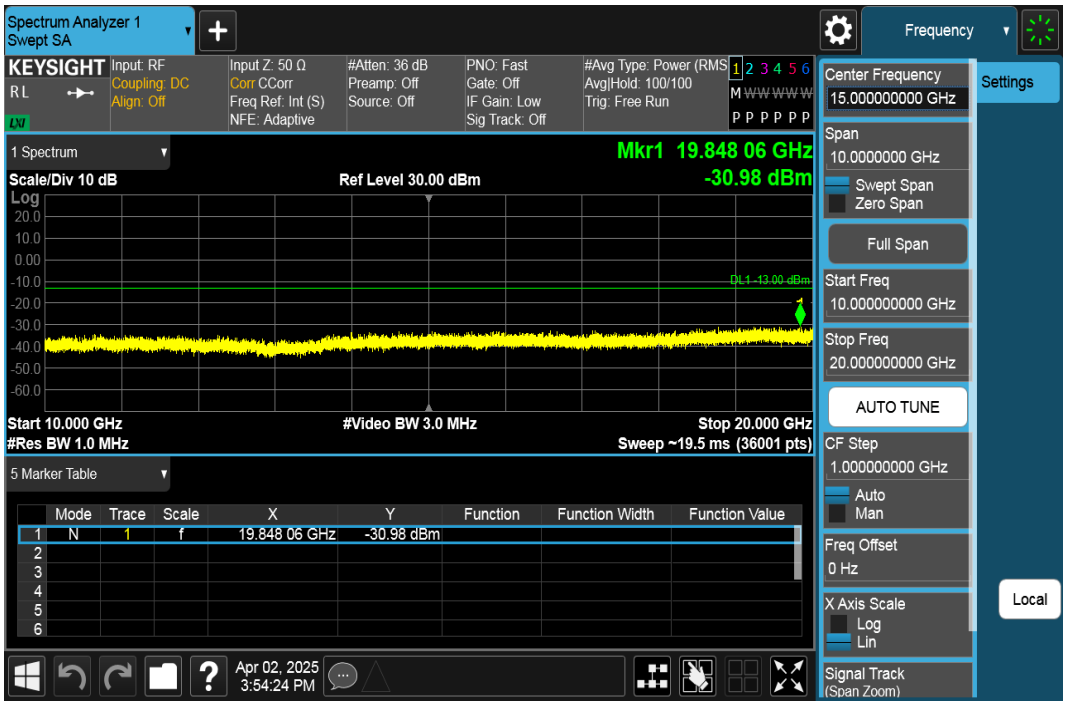
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