

99% & 26dB Bandwidth

Test Result

5G NR N38 SCS=30kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	8.5767	9.567	/	Pass
CP-OFDM QPSK		Outer_Full	8.5822	9.793	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	8.5521	9.666	/	Pass
CP-OFDM QPSK		Outer_Full	8.6104	9.749	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.5817	9.814	/	Pass
CP-OFDM QPSK		Outer_Full	8.6114	9.513	/	Pass

5G NR N38 SCS=30kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	12.928	14.51	/	Pass
CP-OFDM QPSK		Outer_Full	13.557	14.58	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	12.871	13.85	/	Pass
CP-OFDM QPSK		Outer_Full	13.63	15.06	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	12.892	14.31	/	Pass
CP-OFDM QPSK		Outer_Full	13.636	14.86	/	Pass

5G NR N38 SCS=30kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	17.787	19.02	/	Pass
CP-OFDM QPSK		Outer_Full	18.218	19.4	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	17.809	19.55	/	Pass
CP-OFDM QPSK		Outer_Full	18.215	19.49	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.884	18.76	/	Pass
CP-OFDM QPSK		Outer_Full	18.21	19.65	/	Pass

Peak-Average Ratio

Test Result

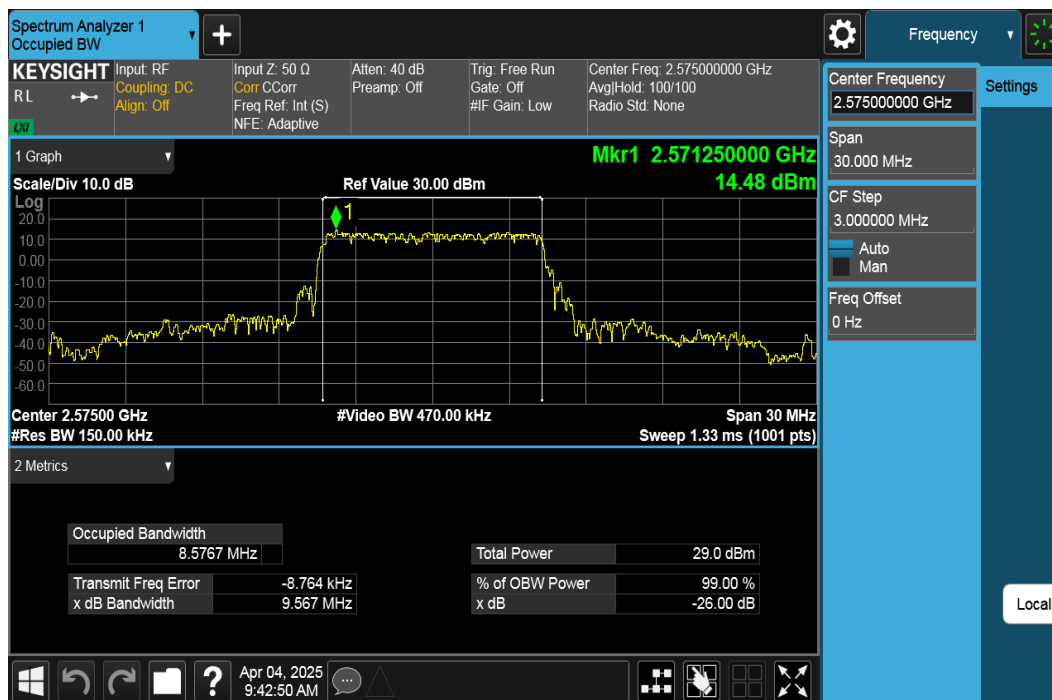
5G NR N38 SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.03	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.96	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.92	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.85	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.12	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.19	<=13	Pass

5G NR N38 SCS=30kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.21	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.17	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.14	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.01	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.27	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.15	<=13	Pass

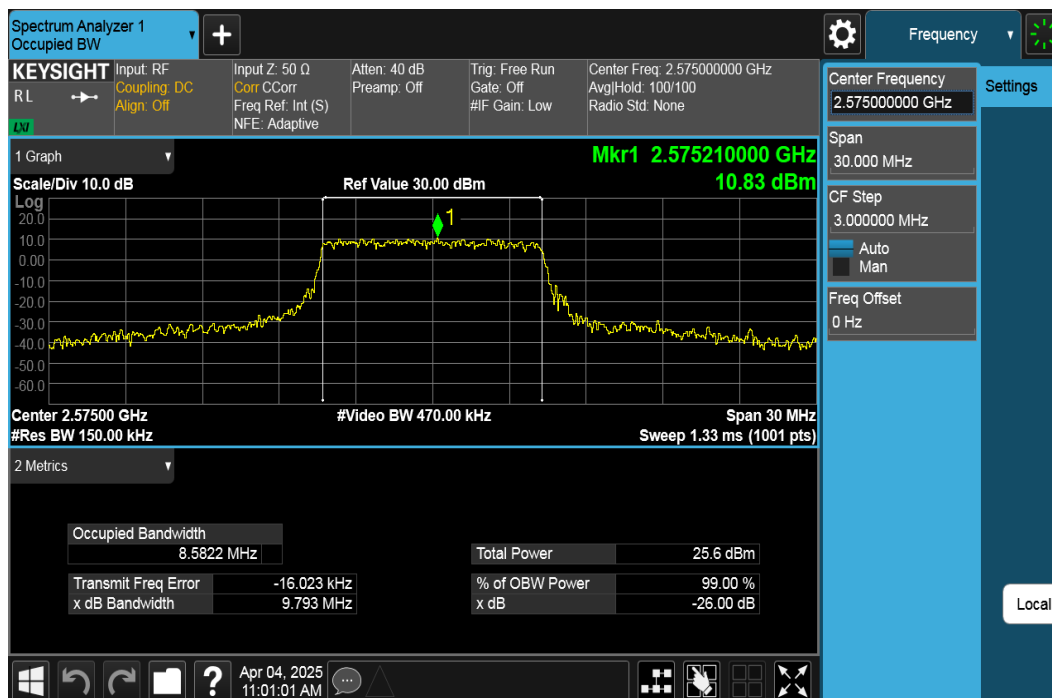
5G NR N38 SCS=30kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.2	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.13	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.19	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.13	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.23	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.27	<=13	Pass

OBW Test graph

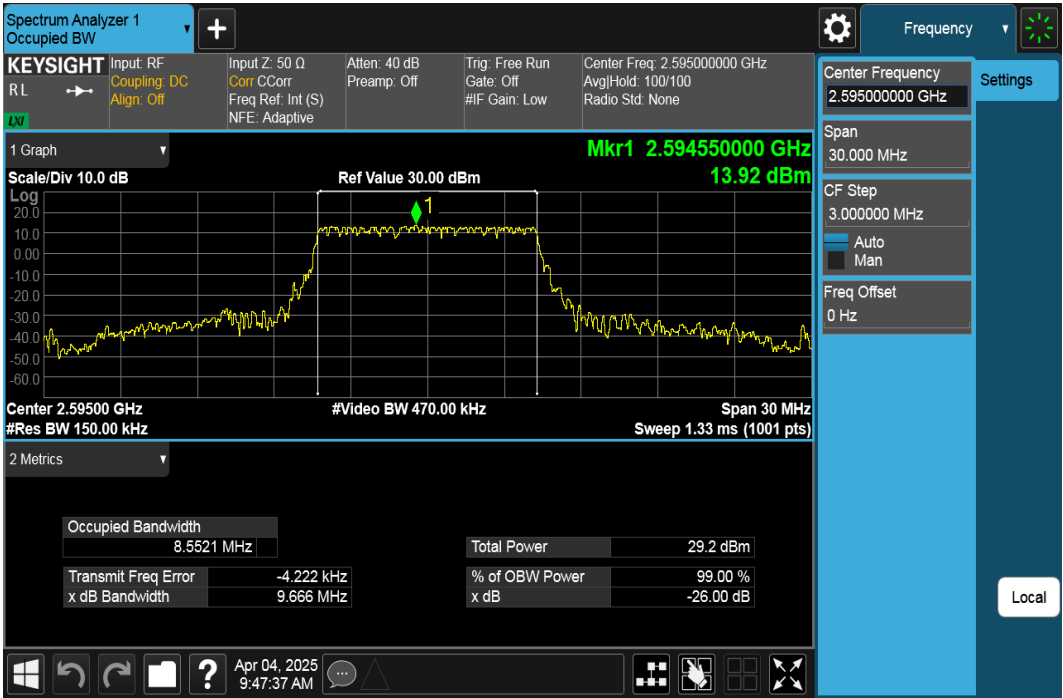
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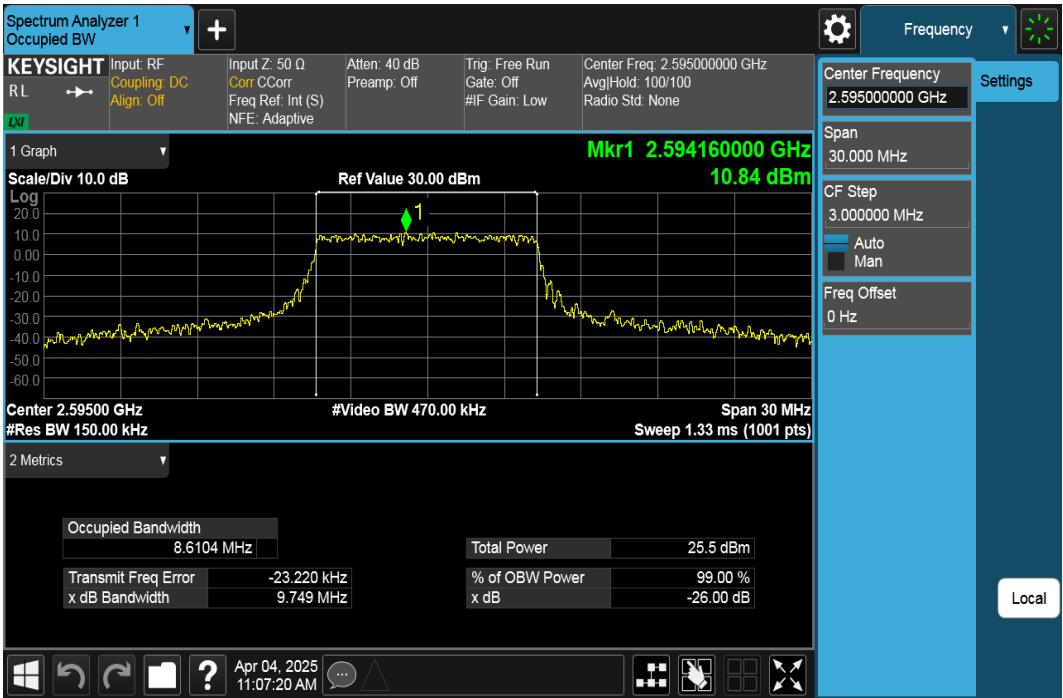
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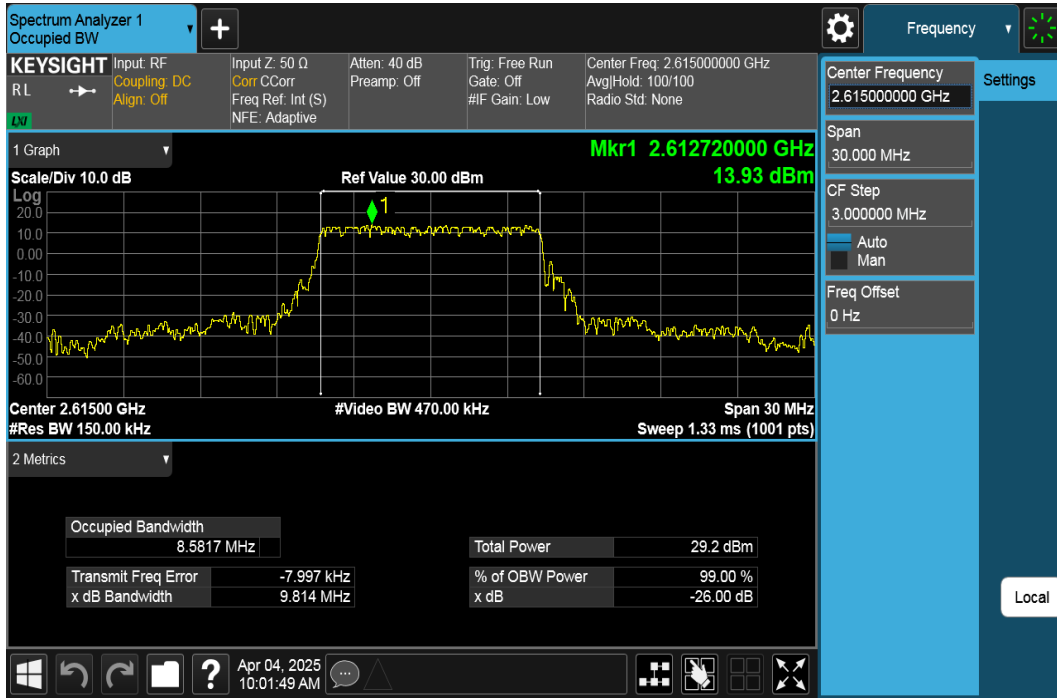
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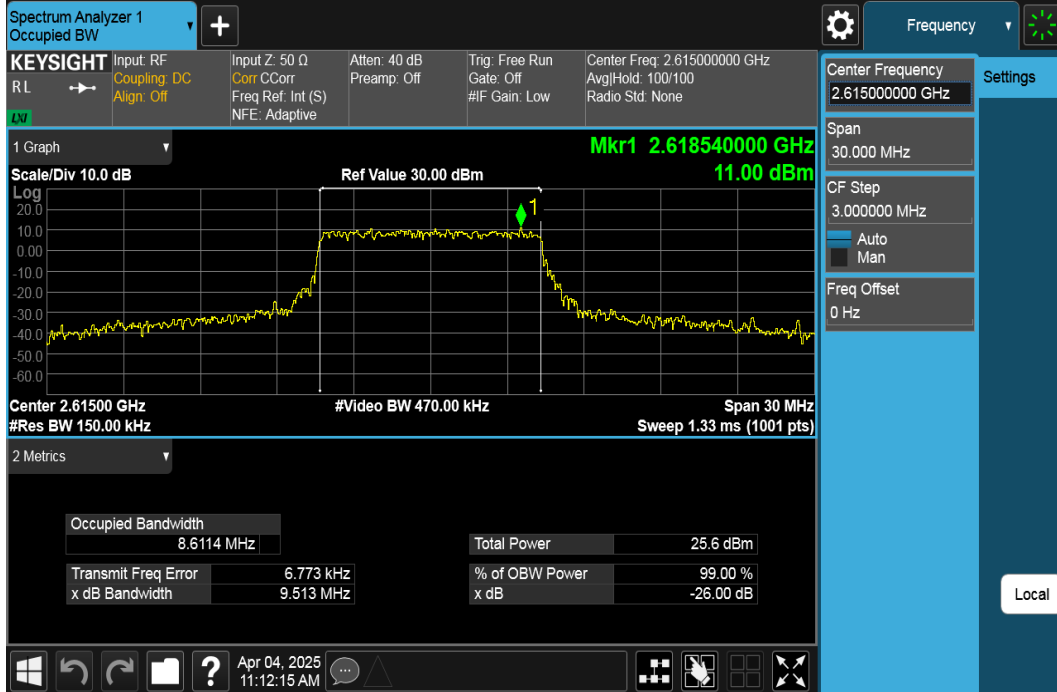
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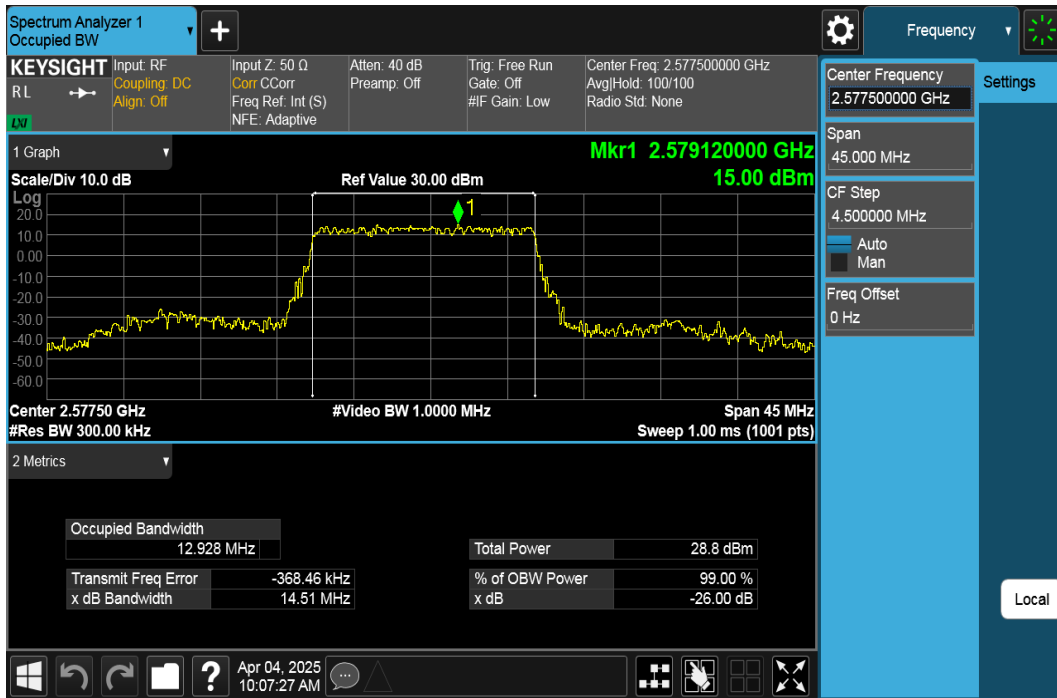
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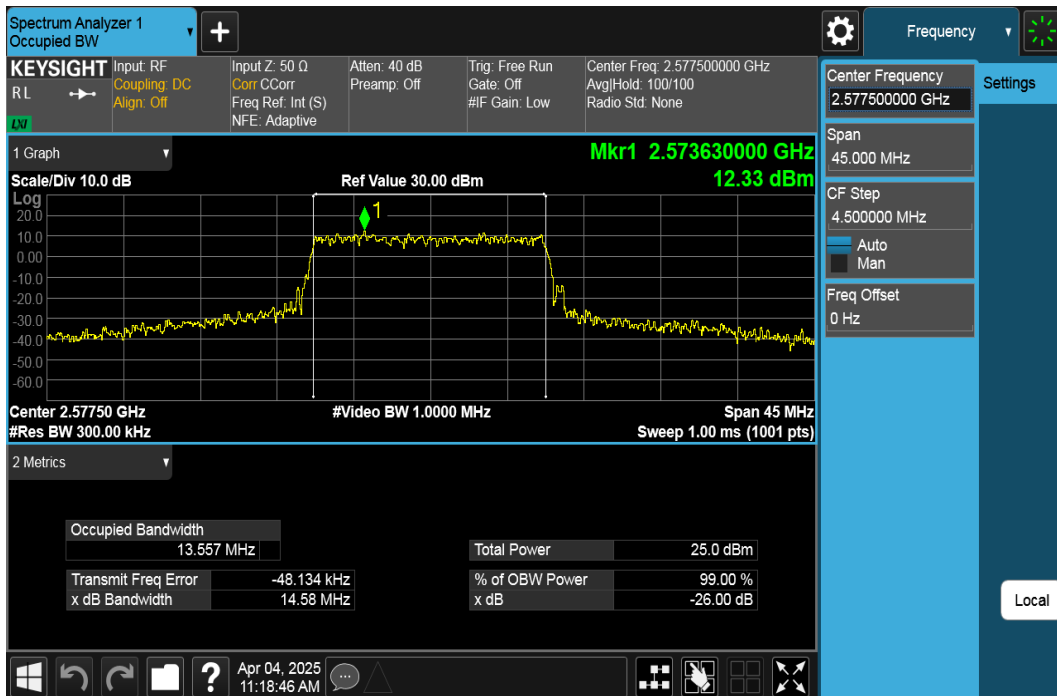
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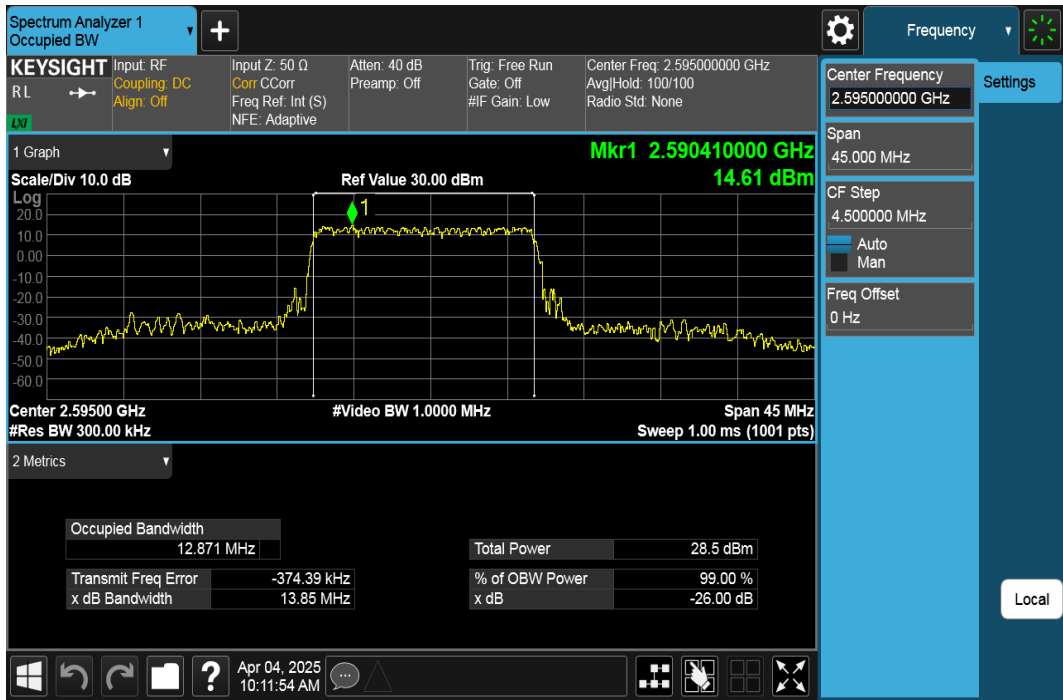
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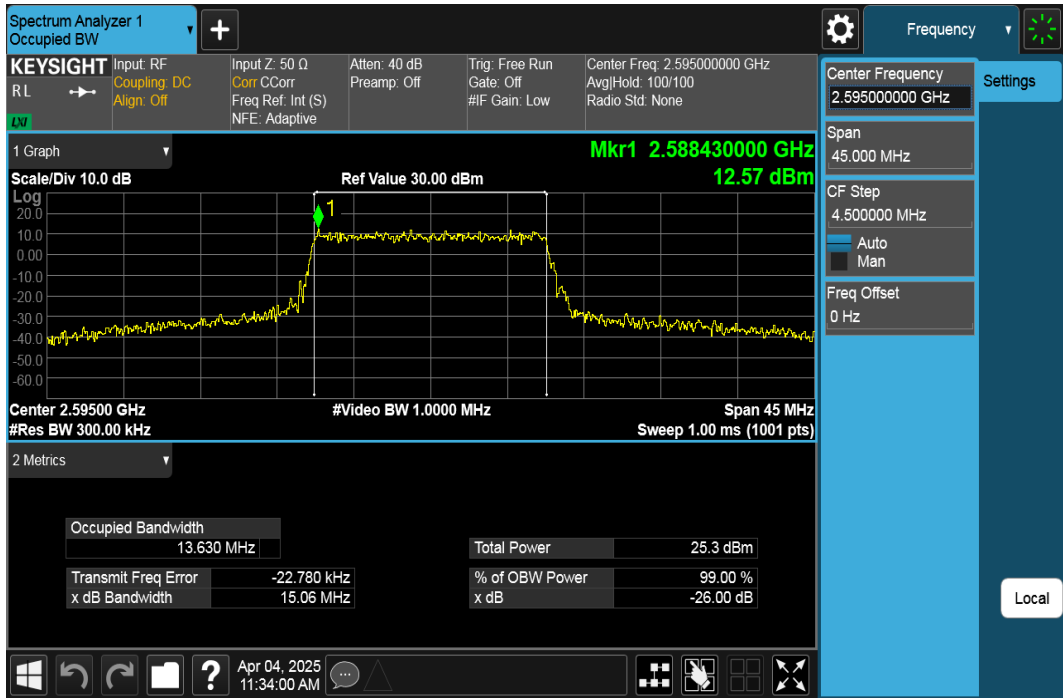
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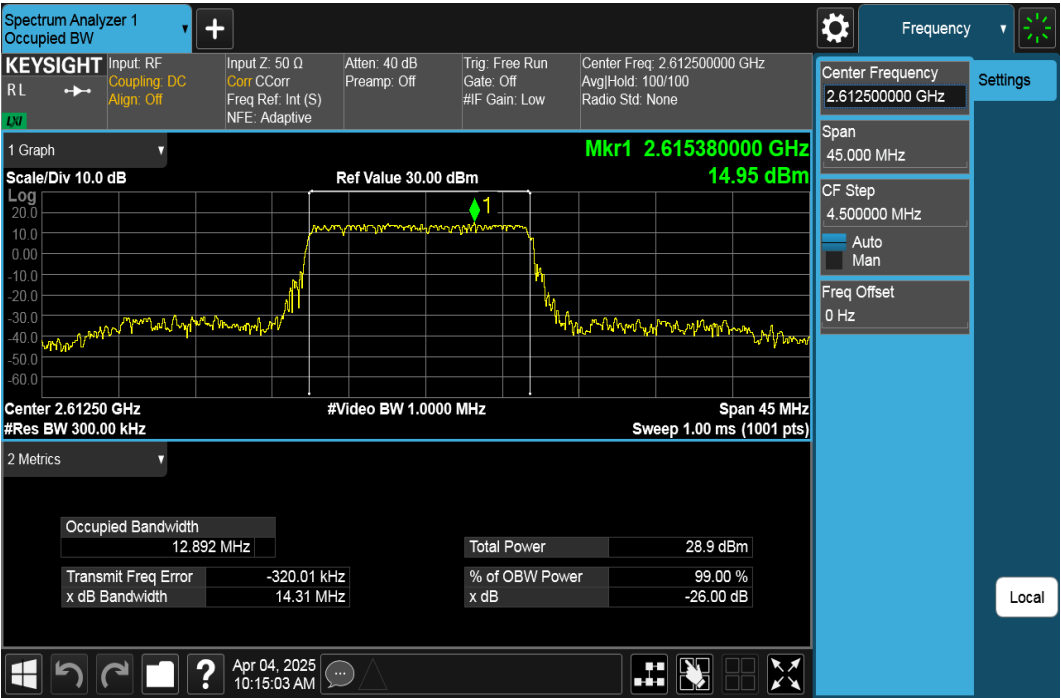
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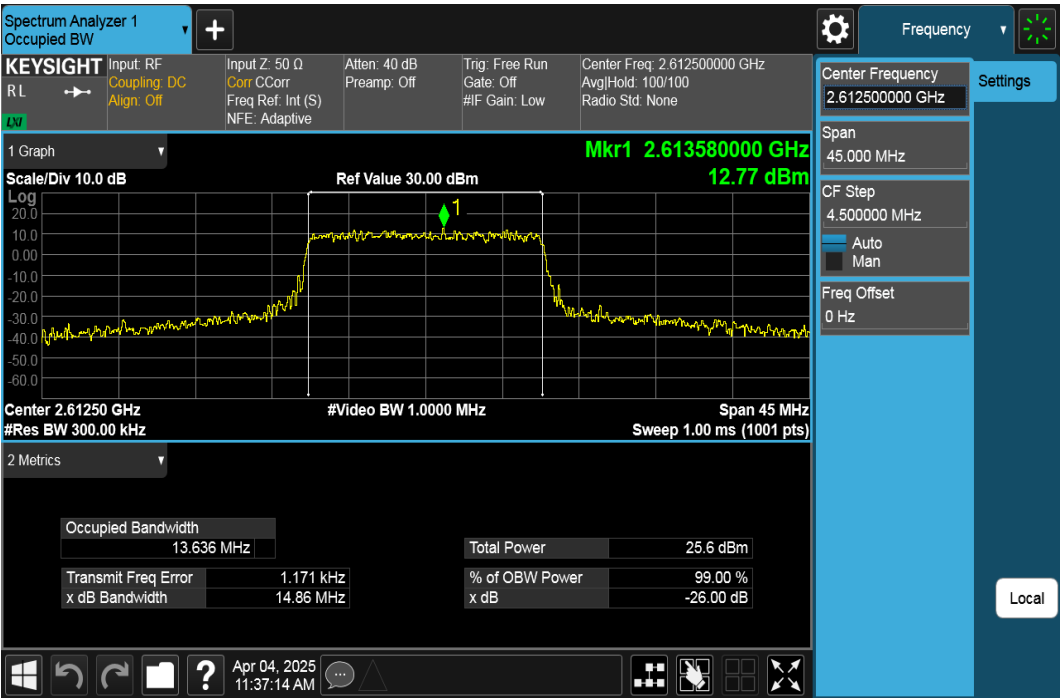
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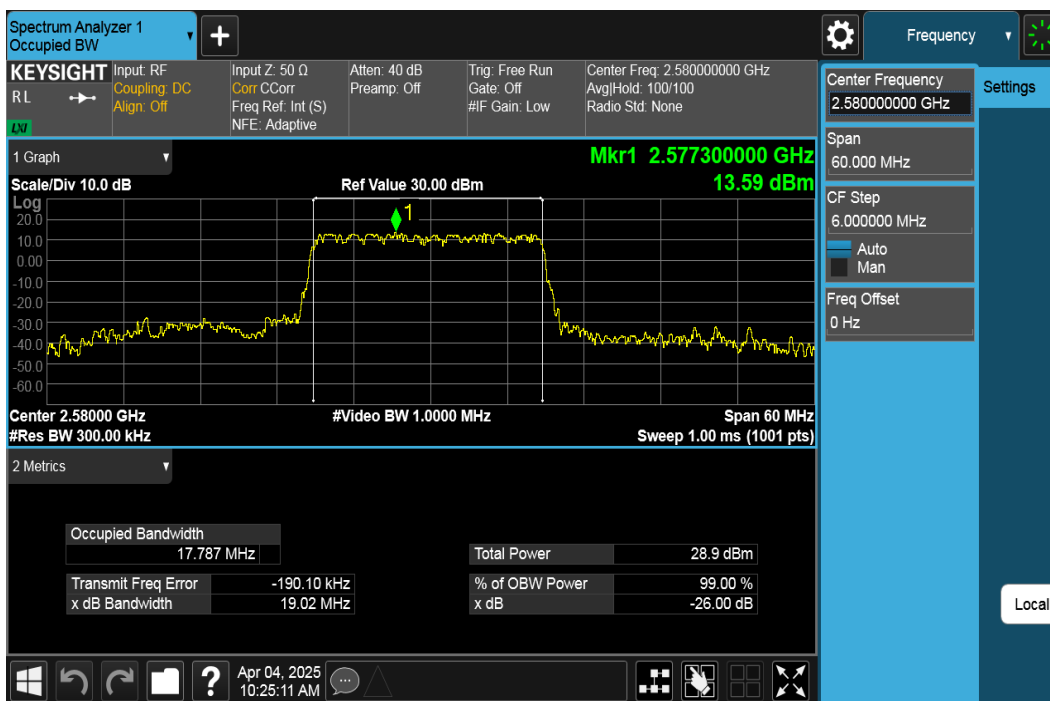
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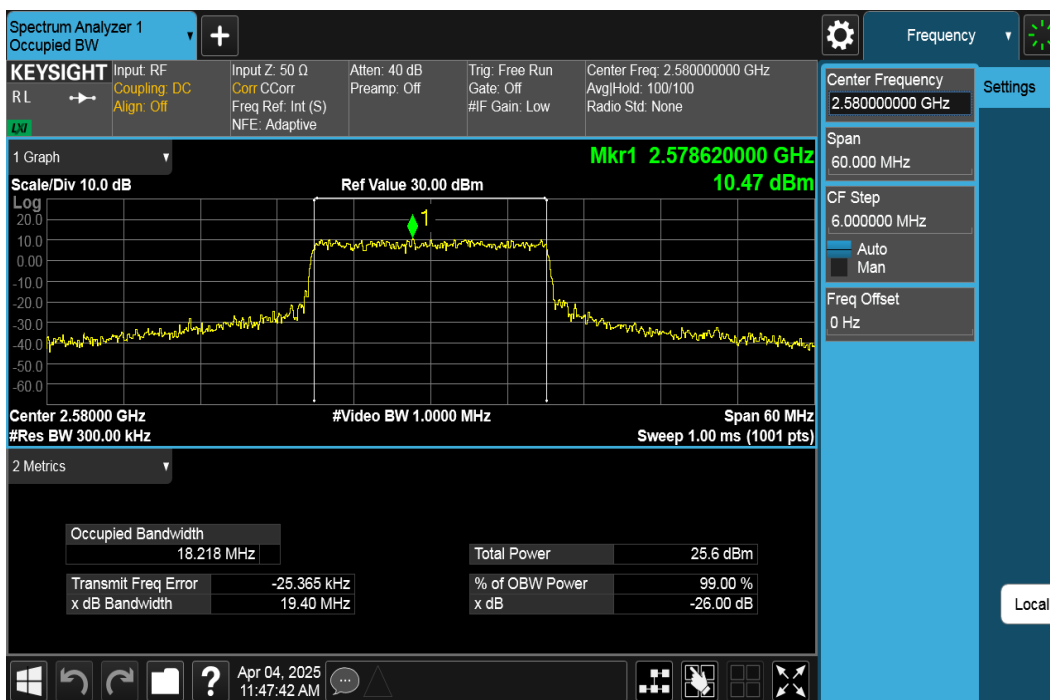
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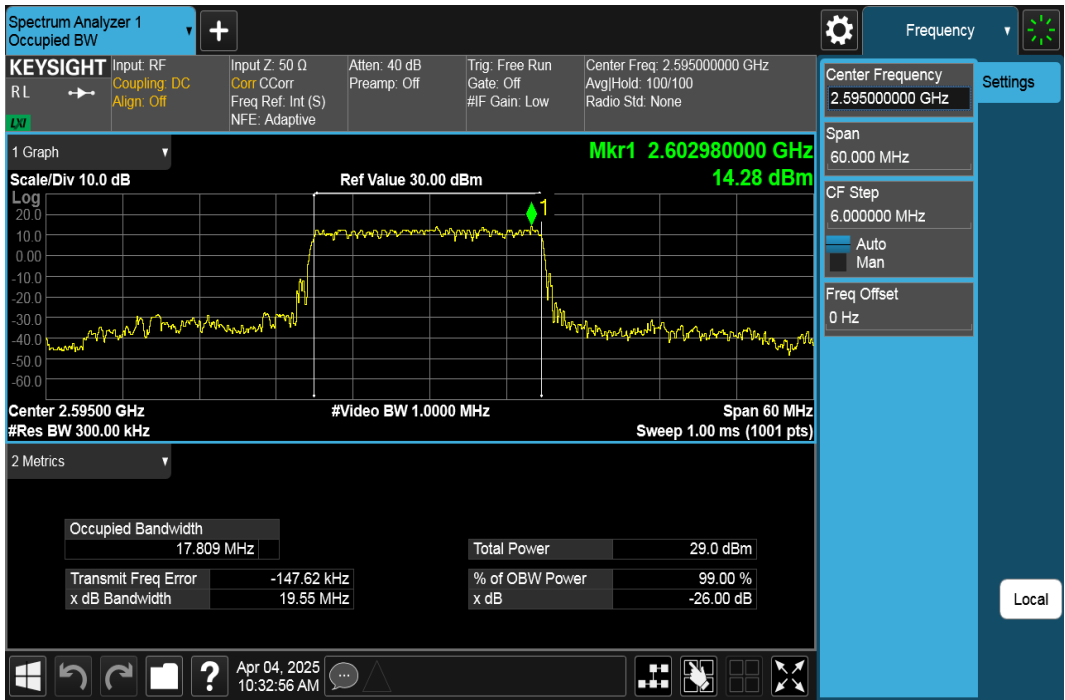
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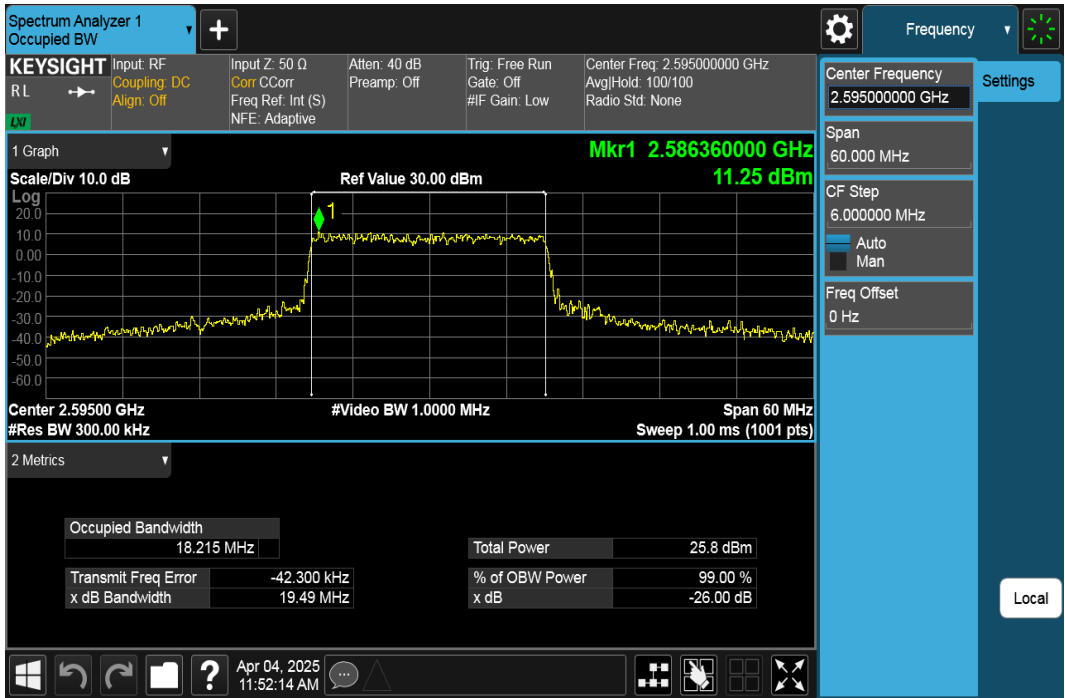
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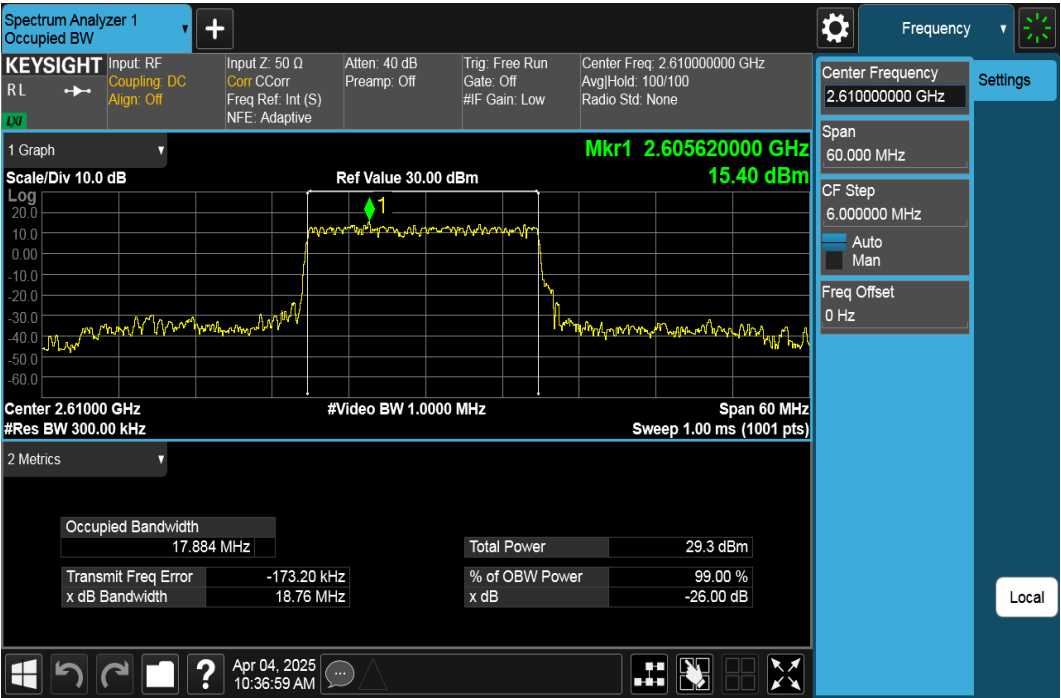
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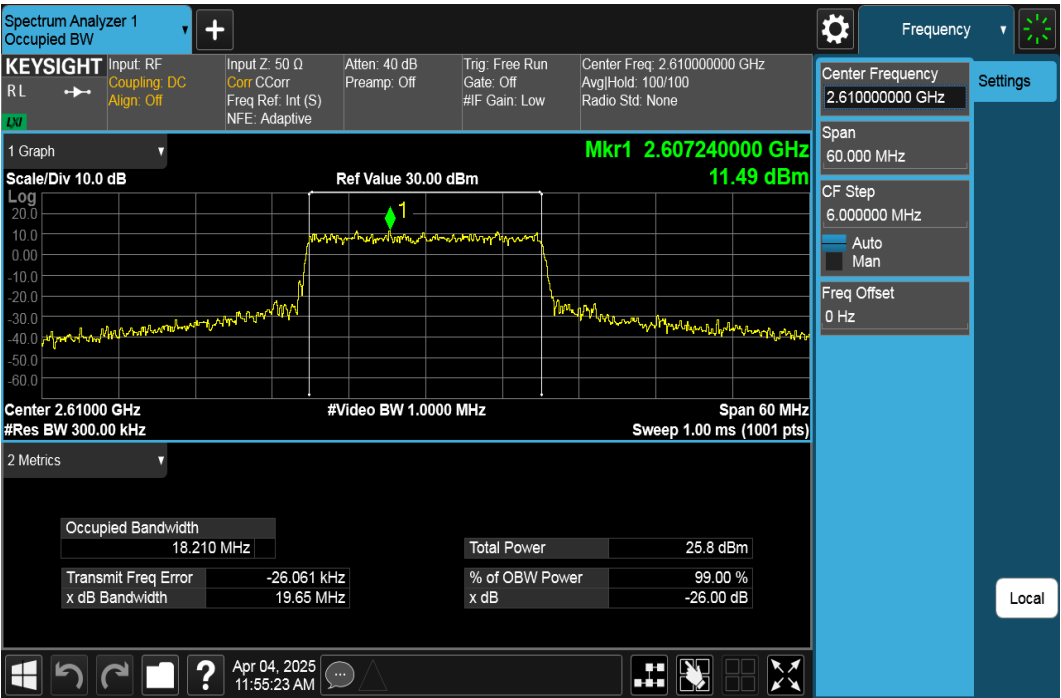
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N38-20M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-20M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



PAPR Test graph

N38-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-10M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N38-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N38-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N38-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-15M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N38-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N38-15M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-15M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N38-20M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-20M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N38-20M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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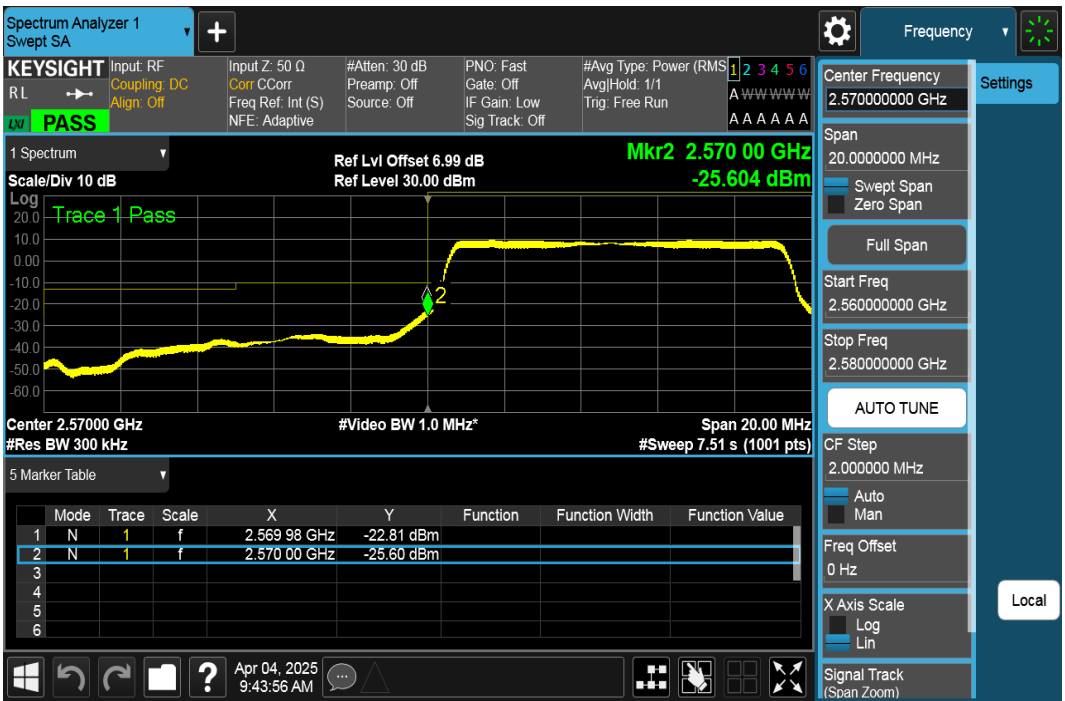
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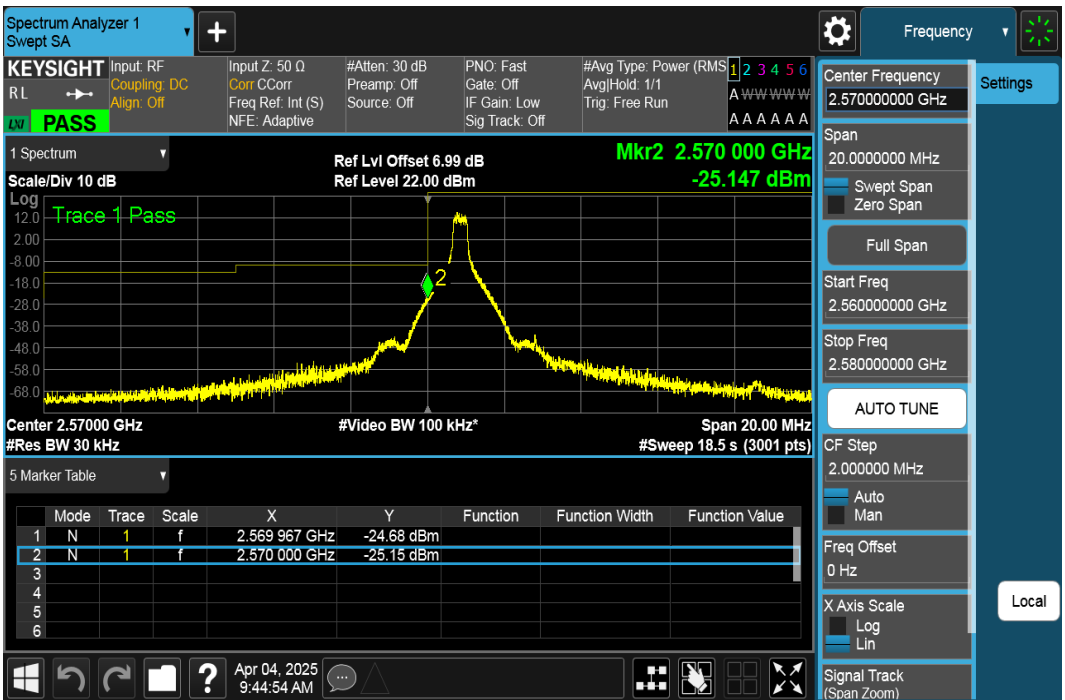
Bandedge

test graph

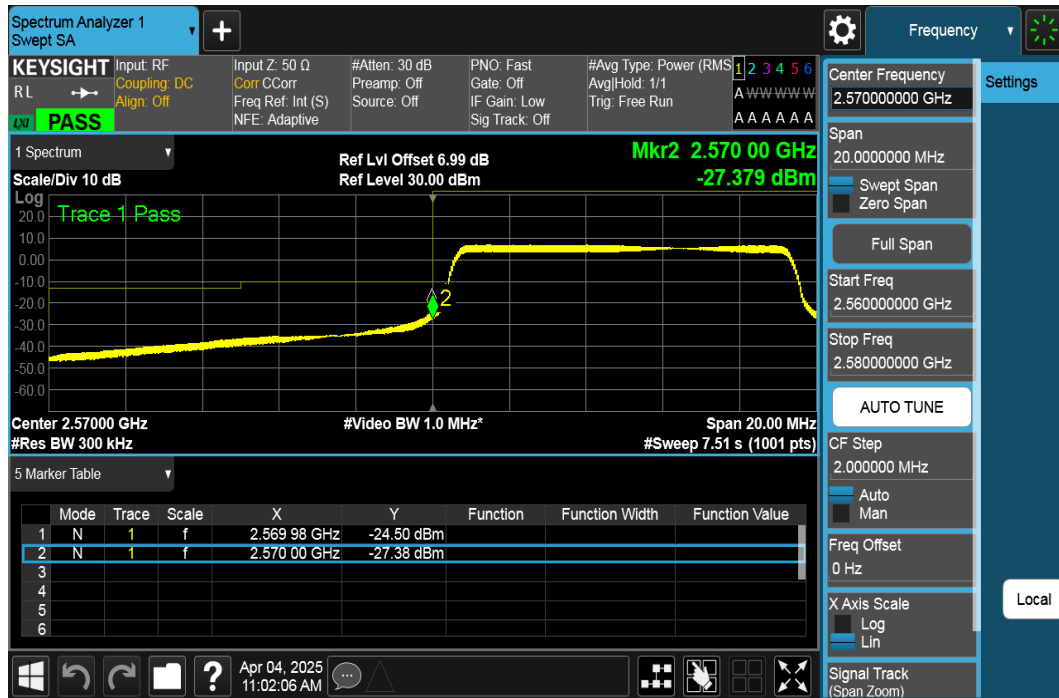
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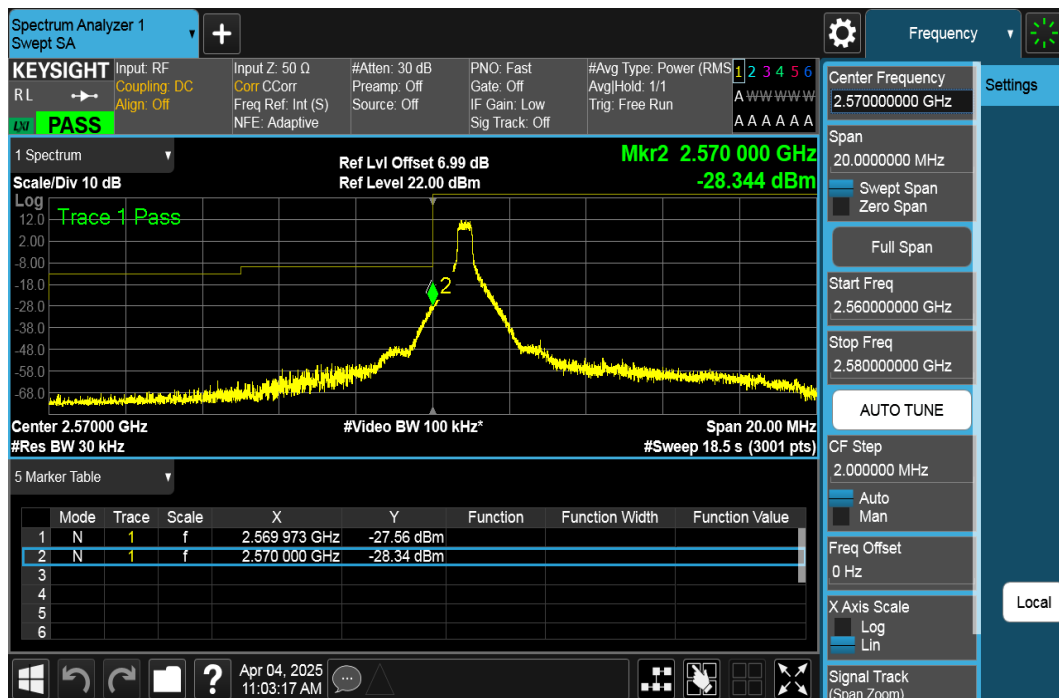
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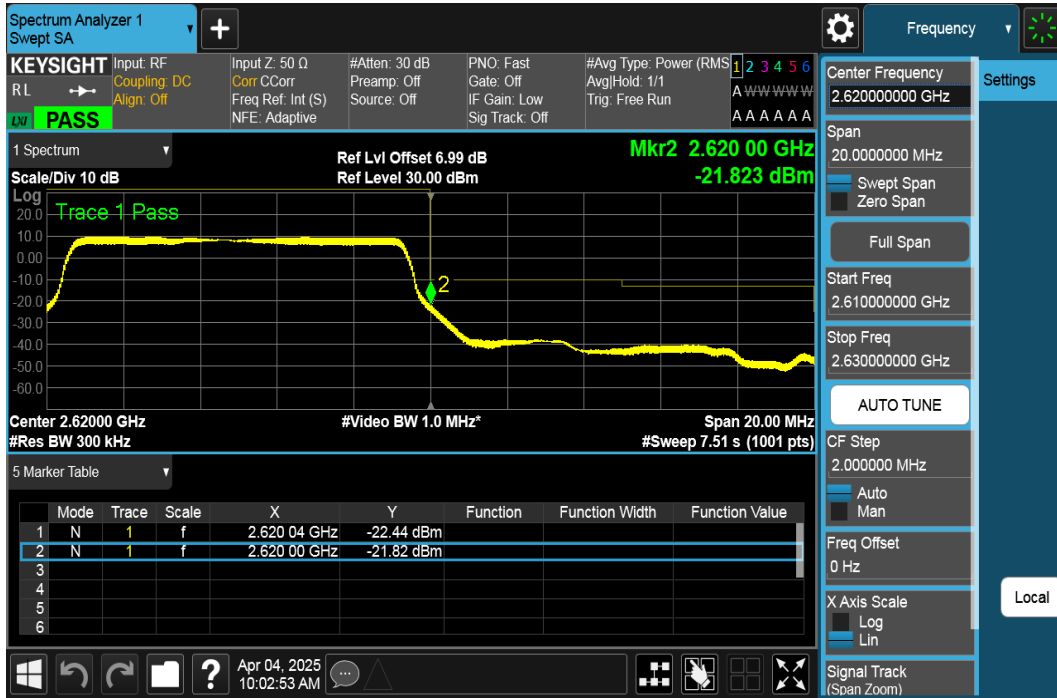
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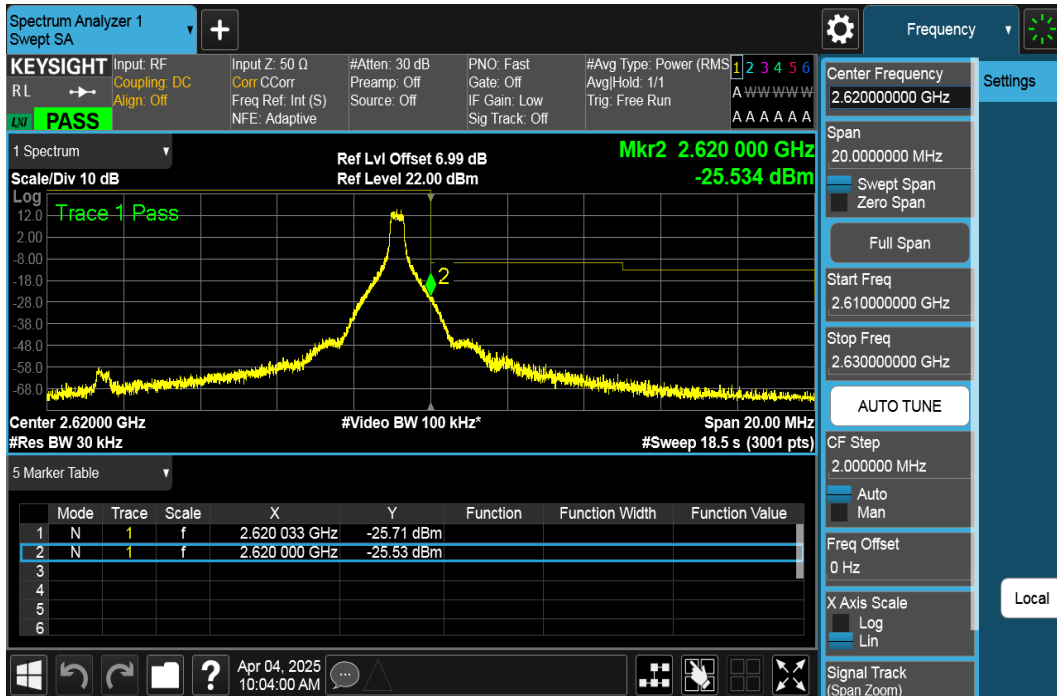
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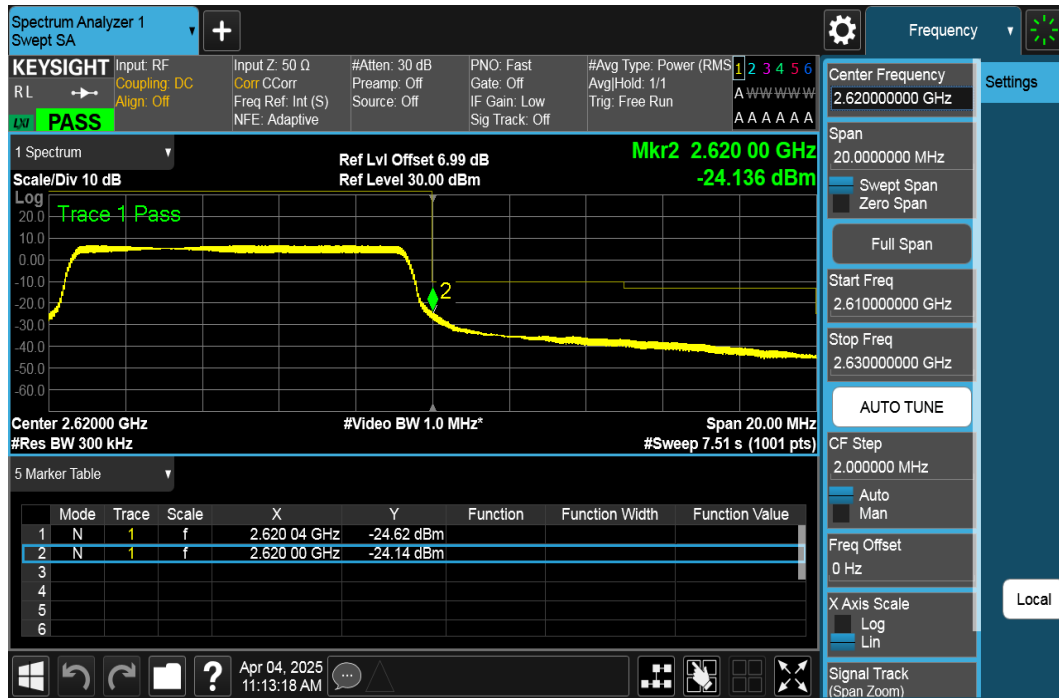
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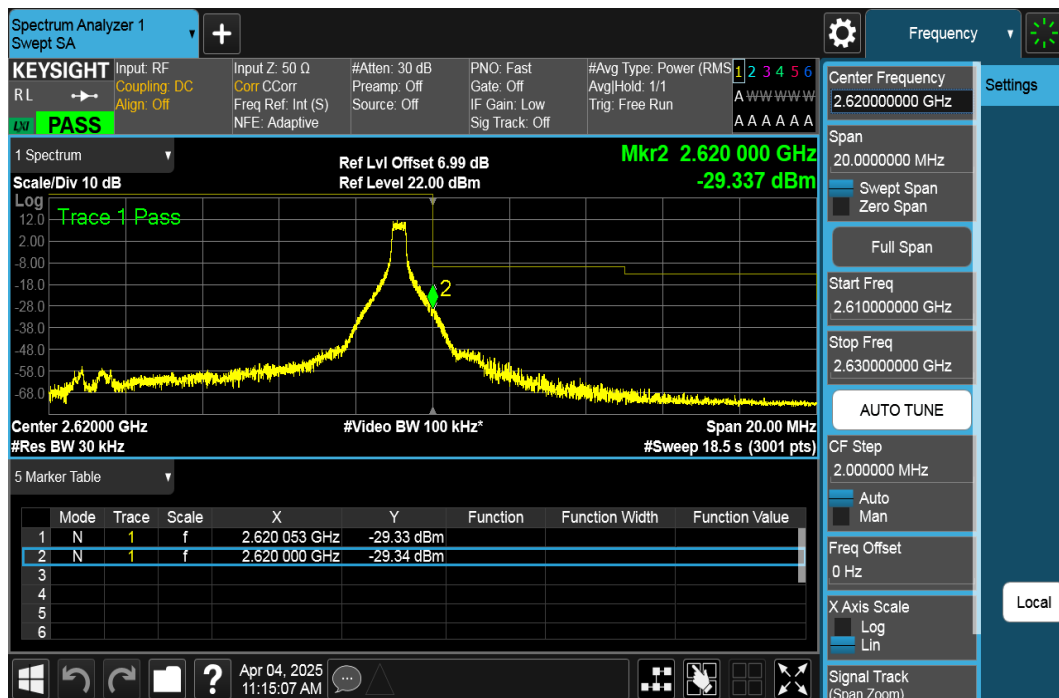
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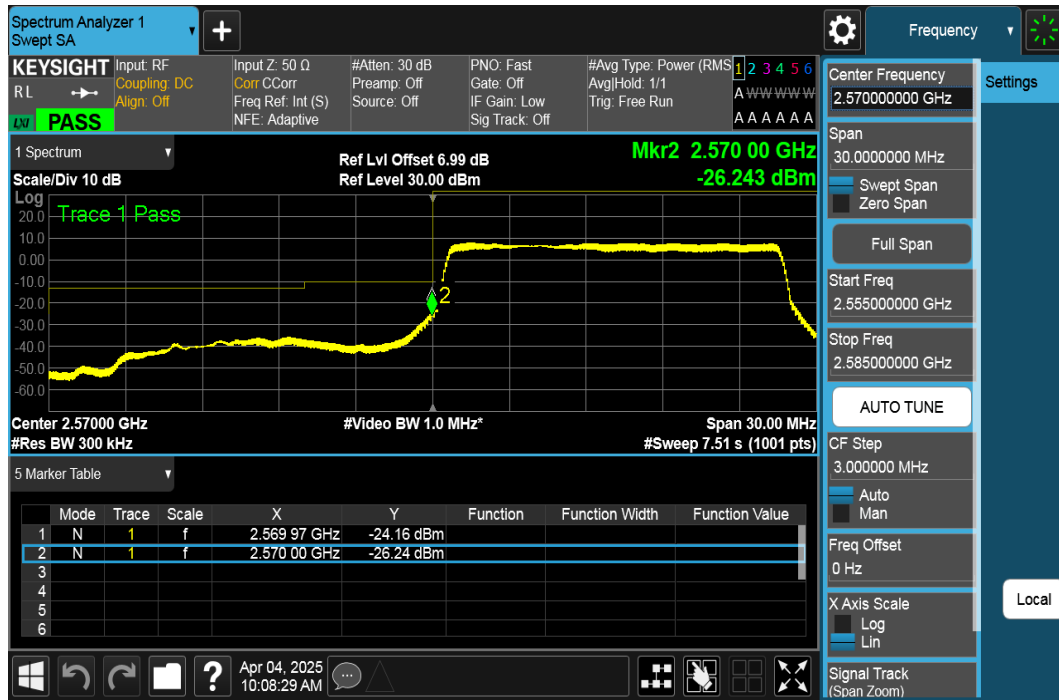
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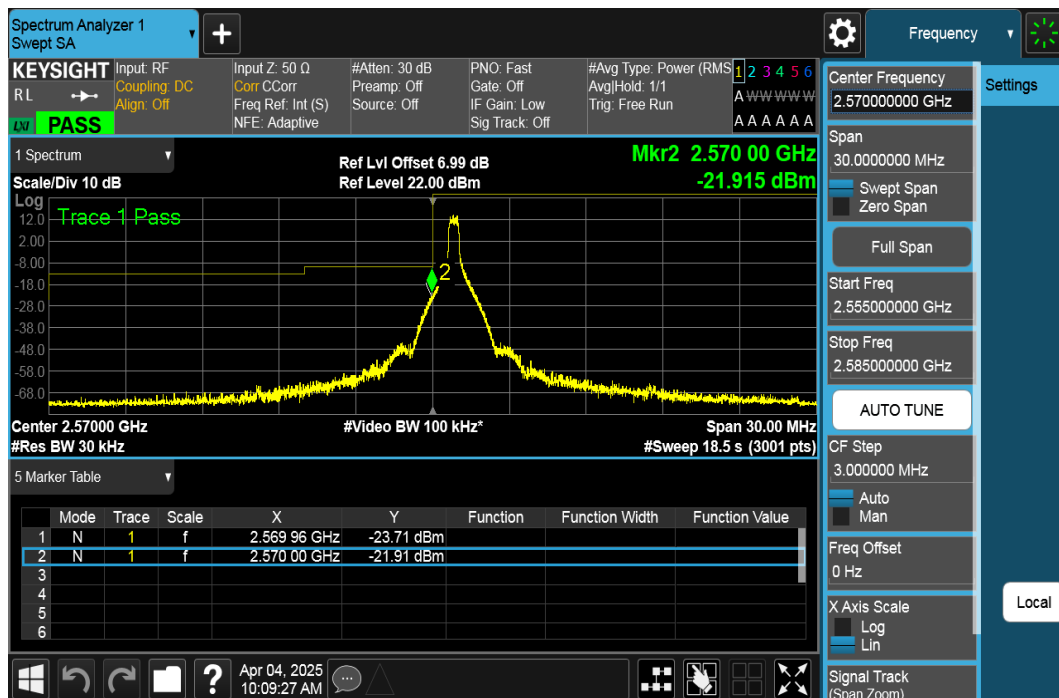
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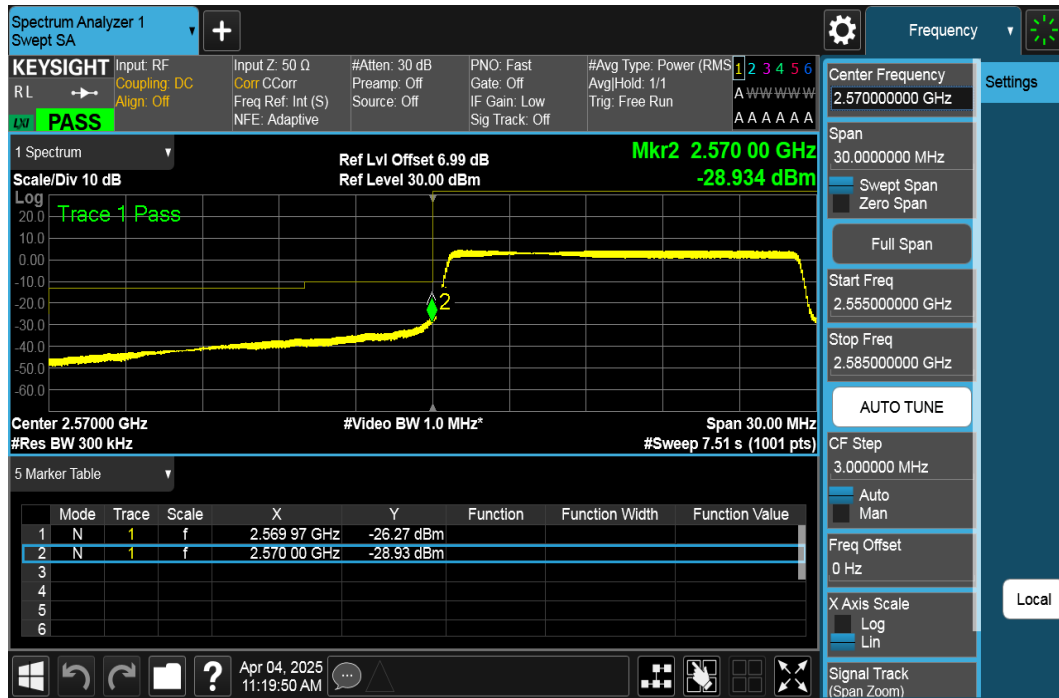
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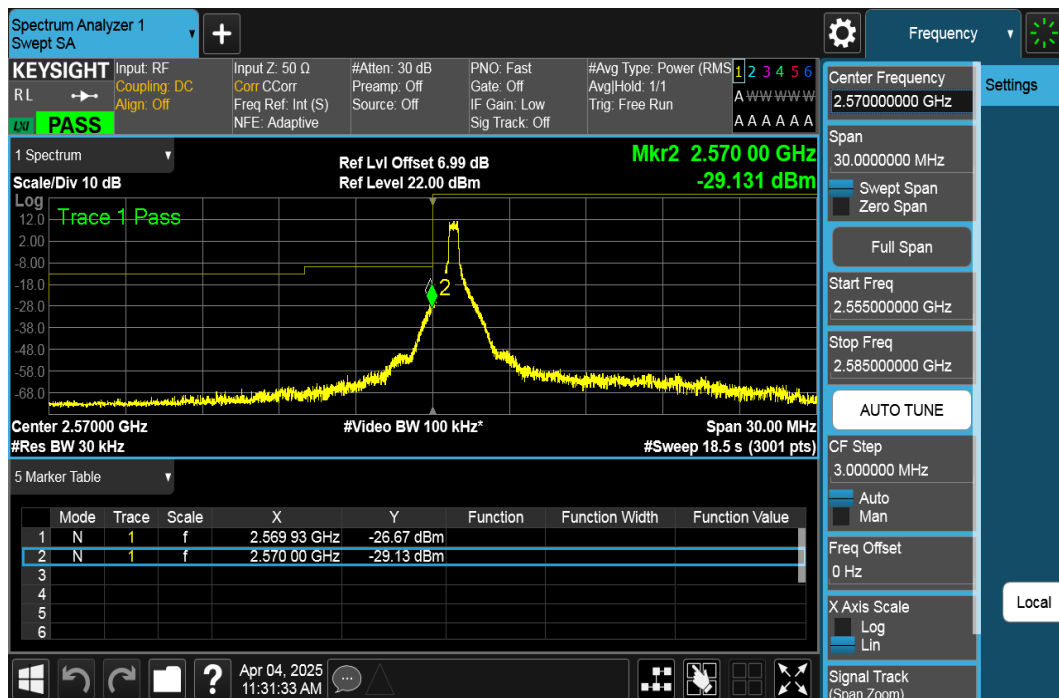
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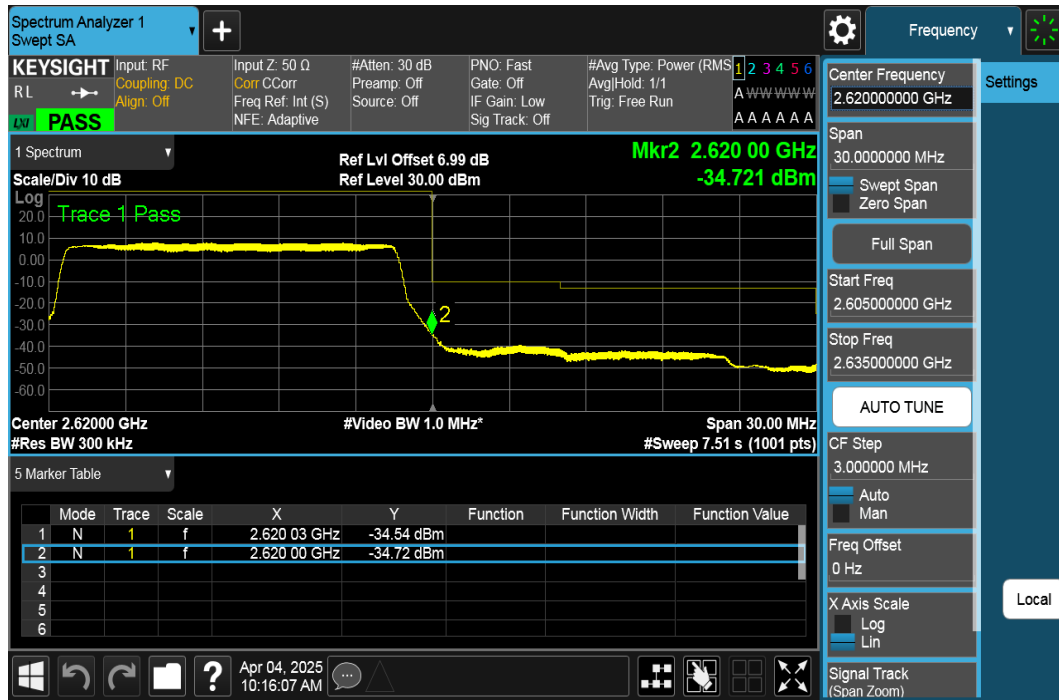
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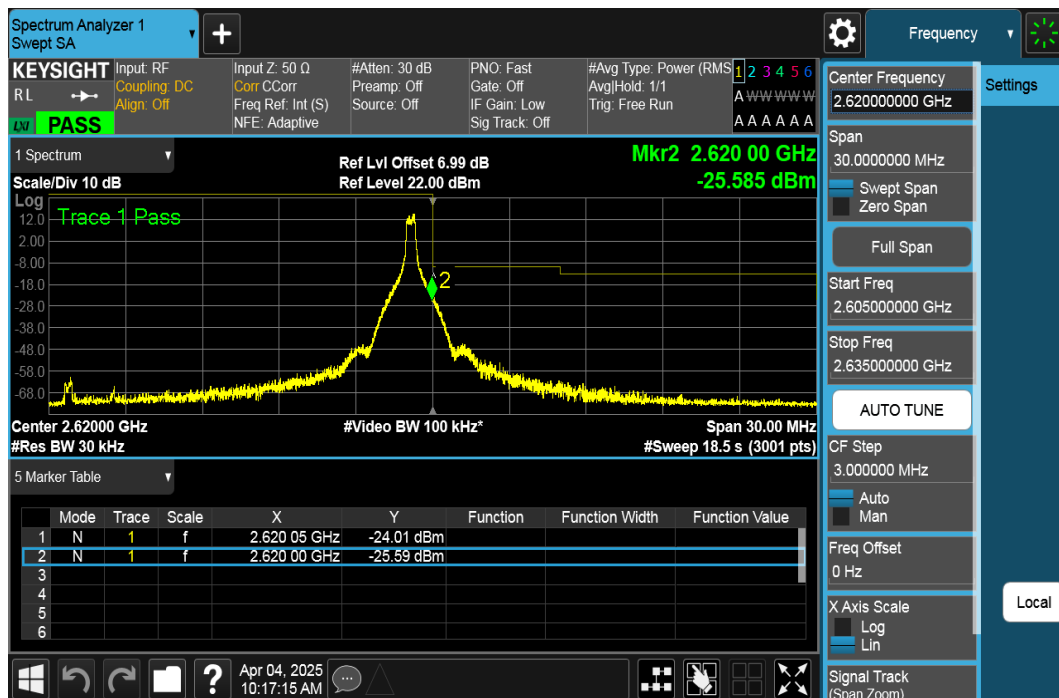
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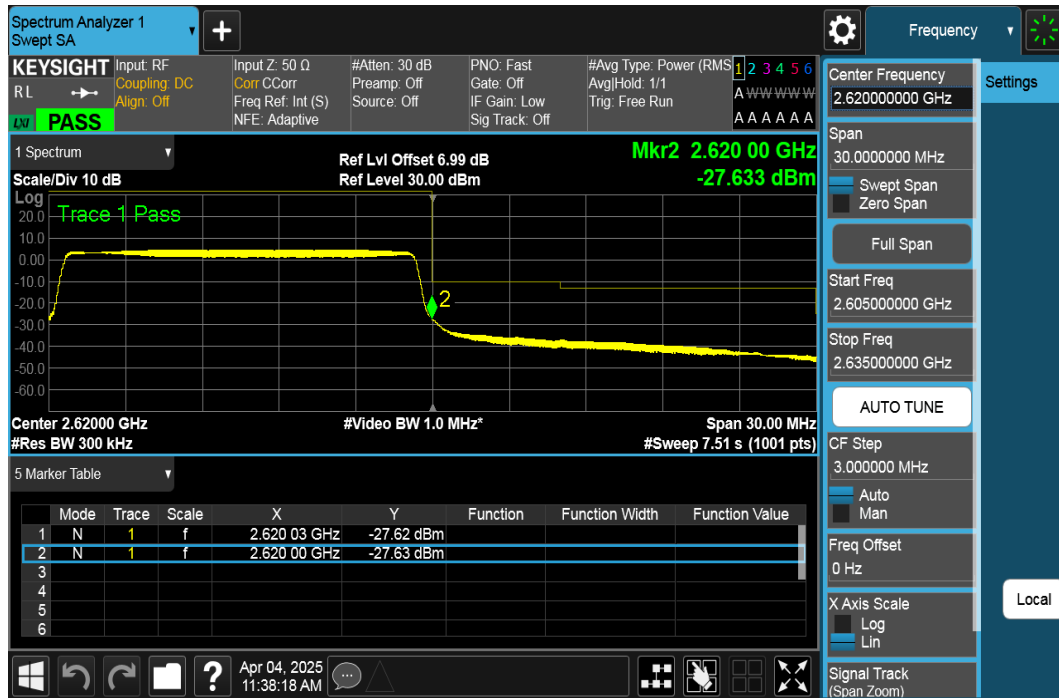
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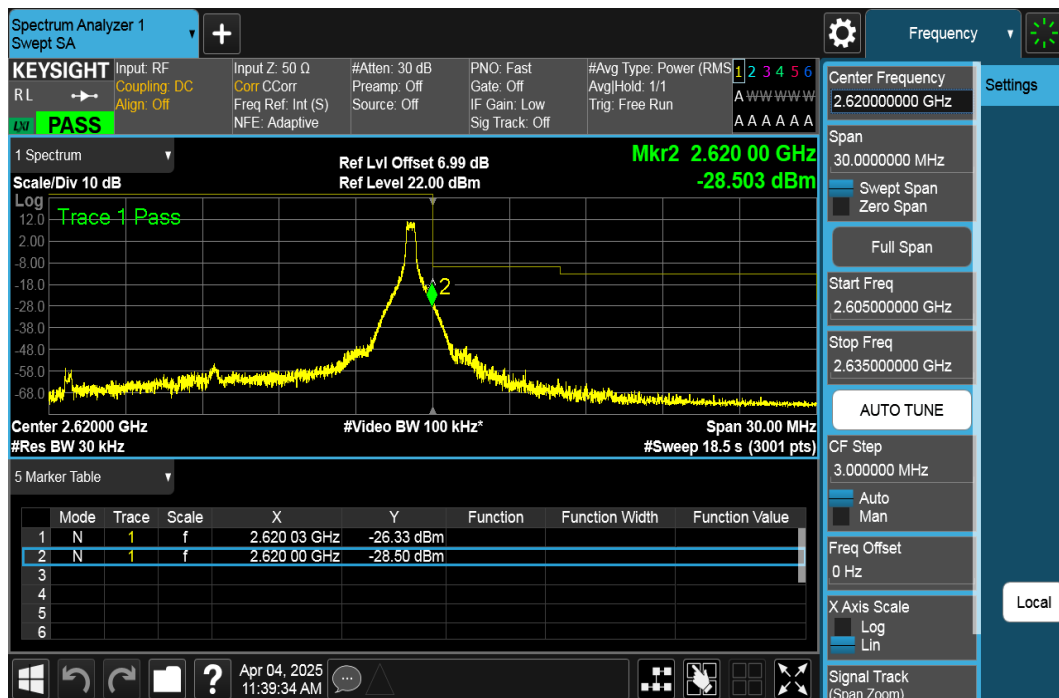
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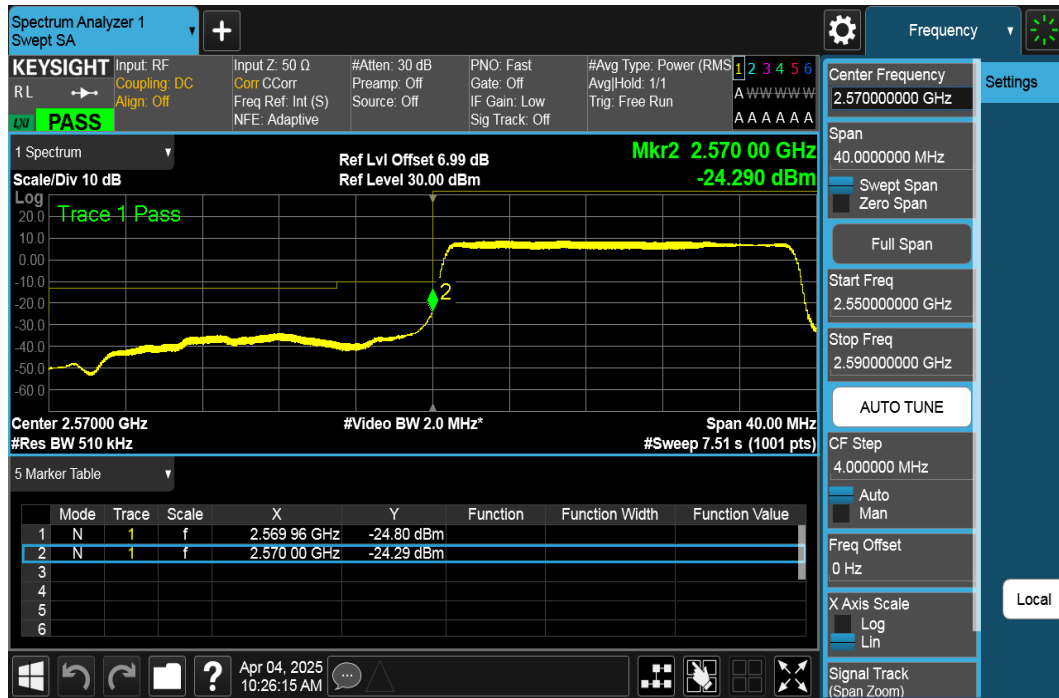
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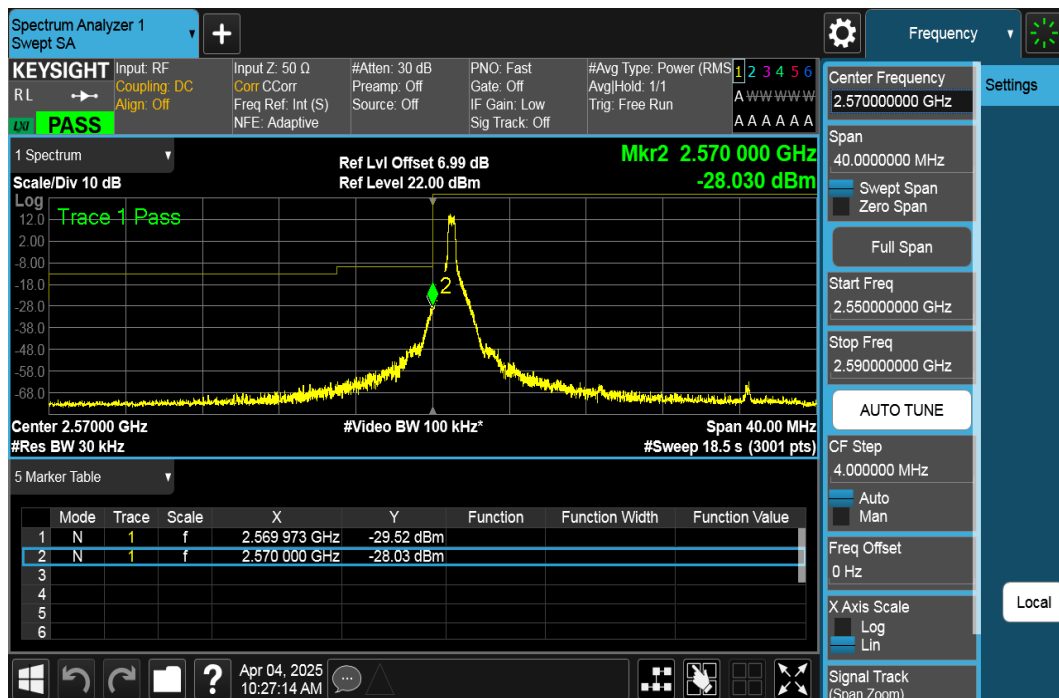
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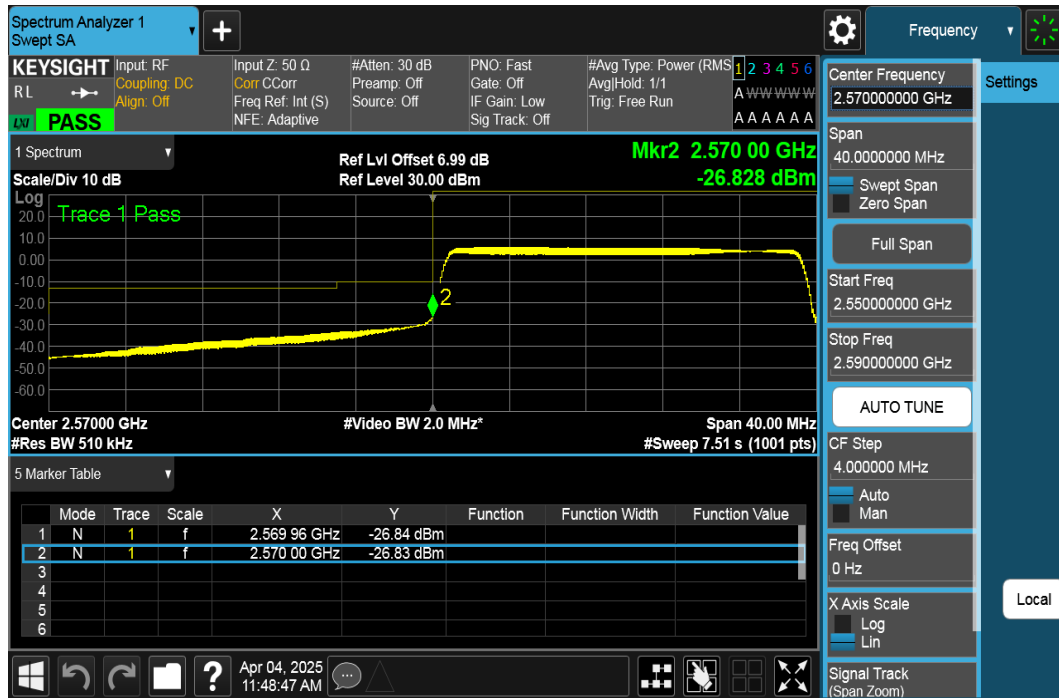
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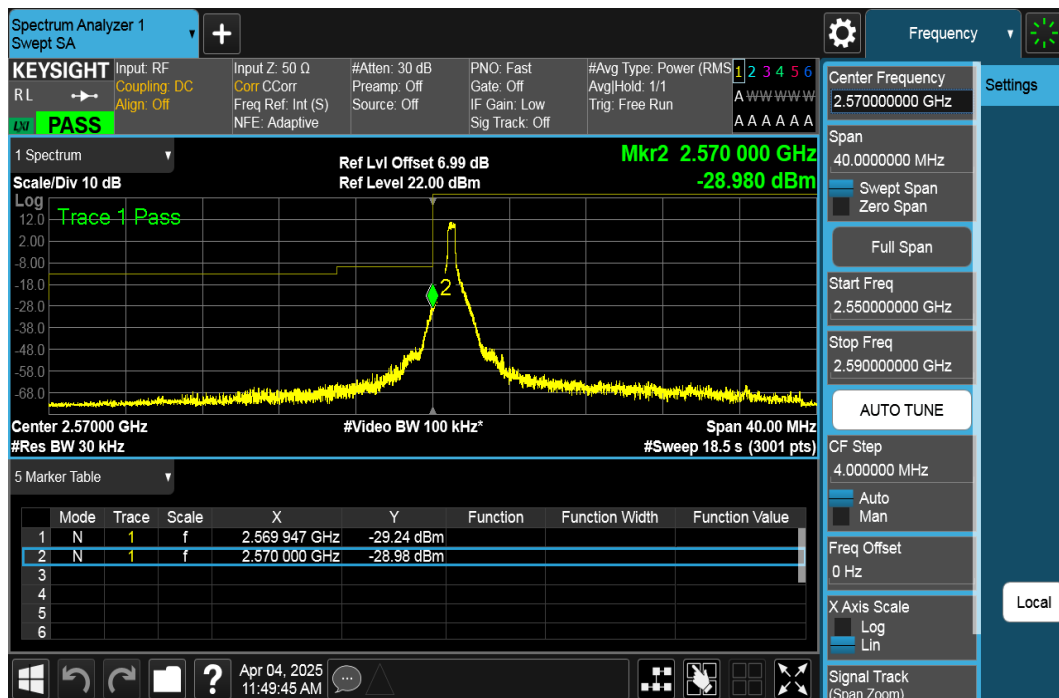
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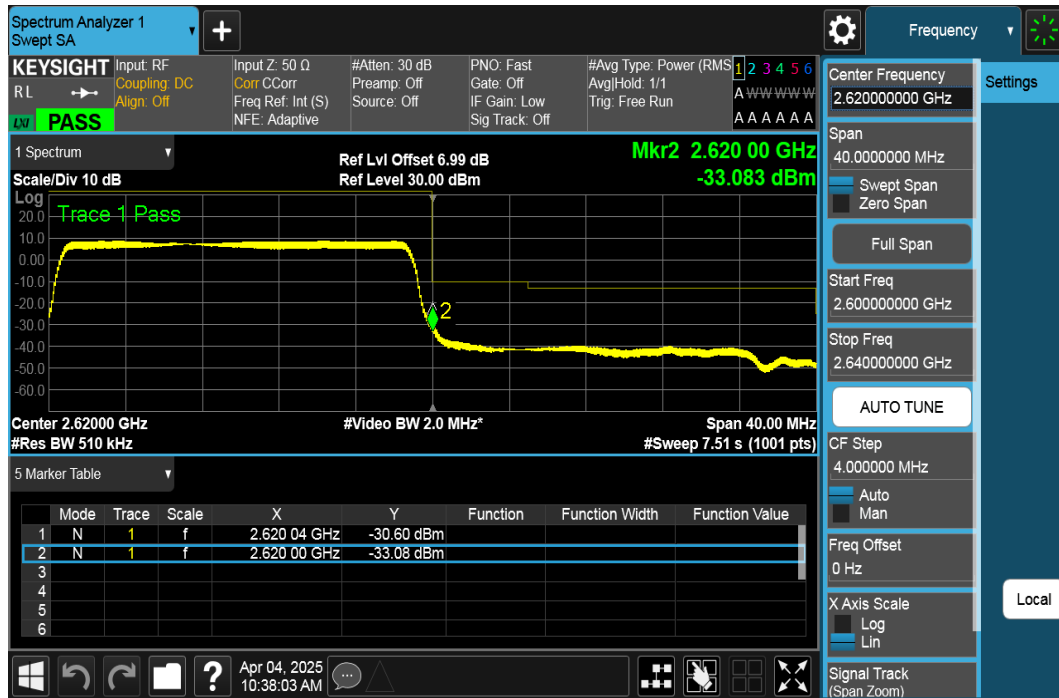
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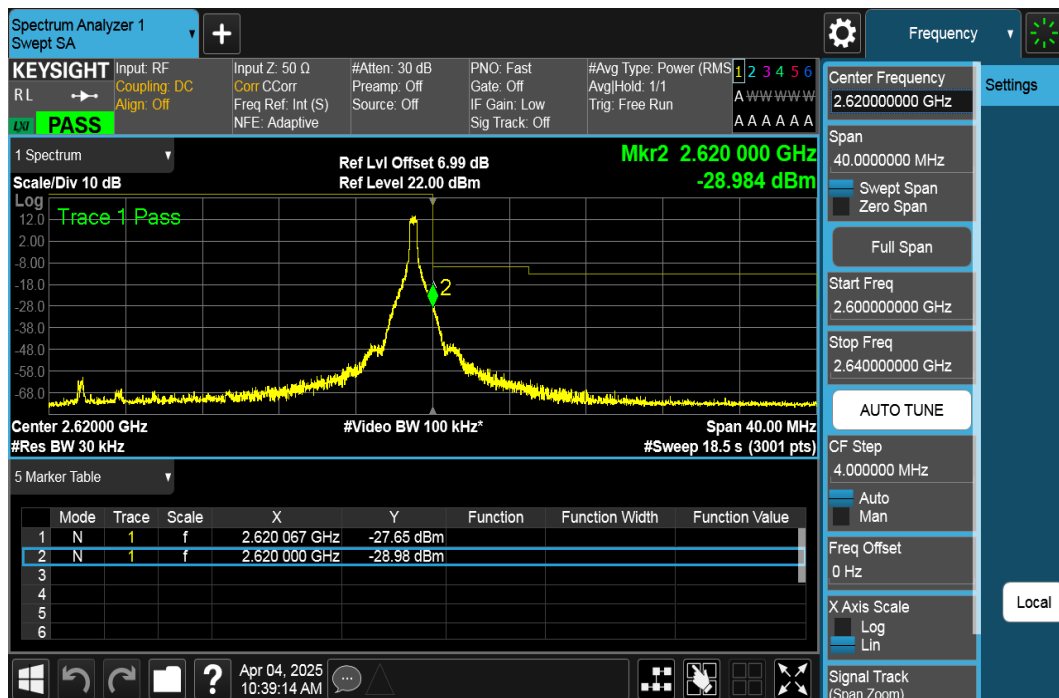
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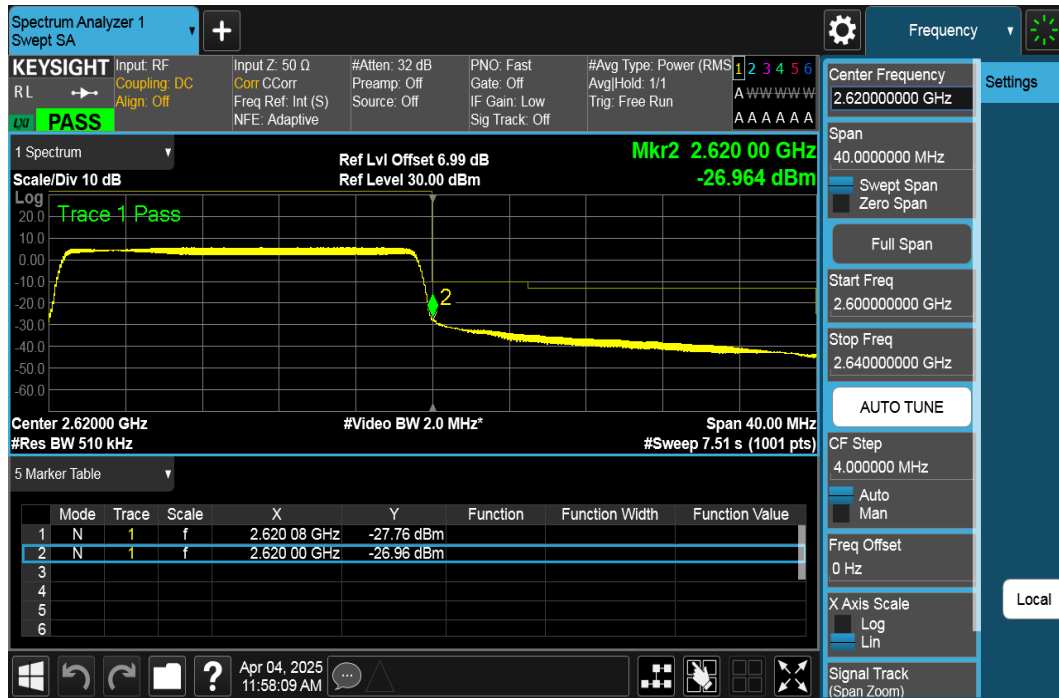
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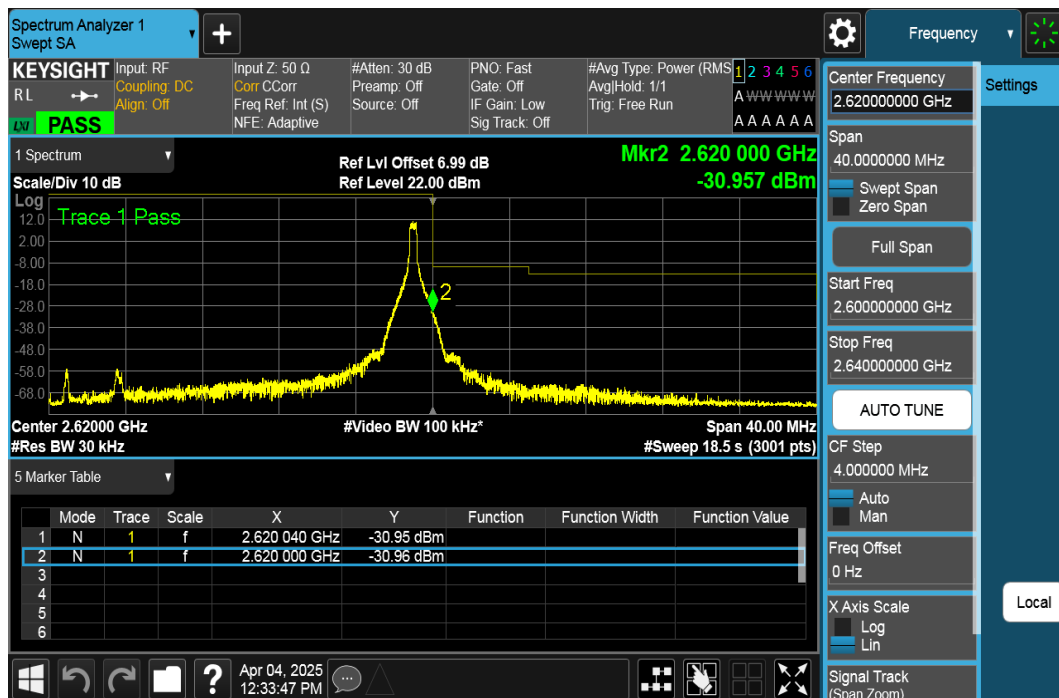
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N38-20M-Bandedge-HCH-CP-OFDM-QPSK-Outer_Full



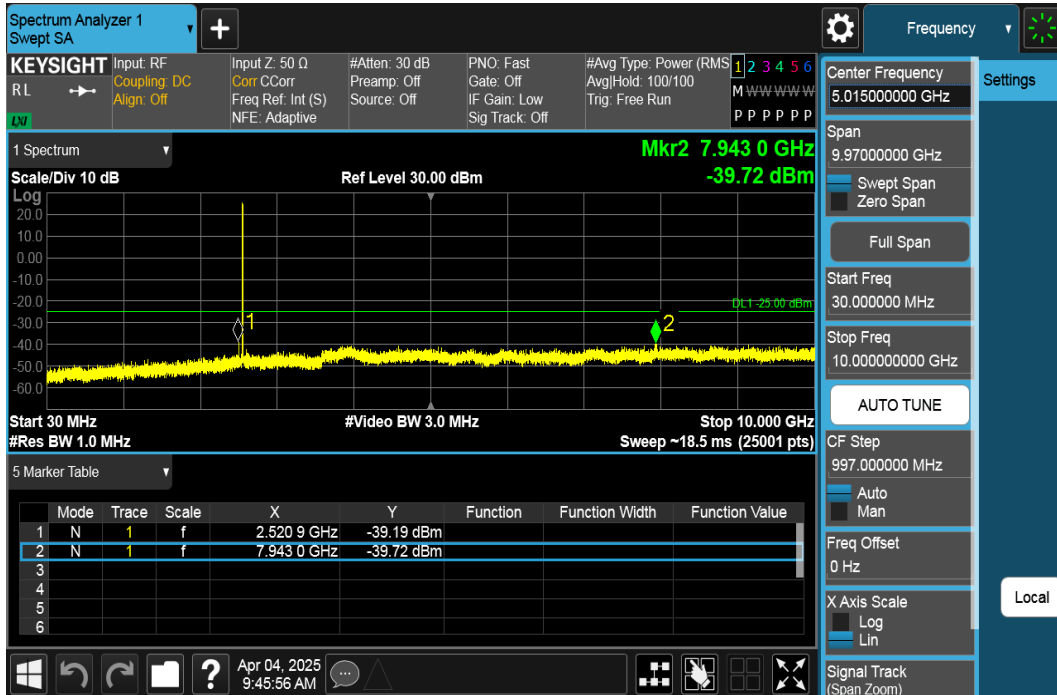
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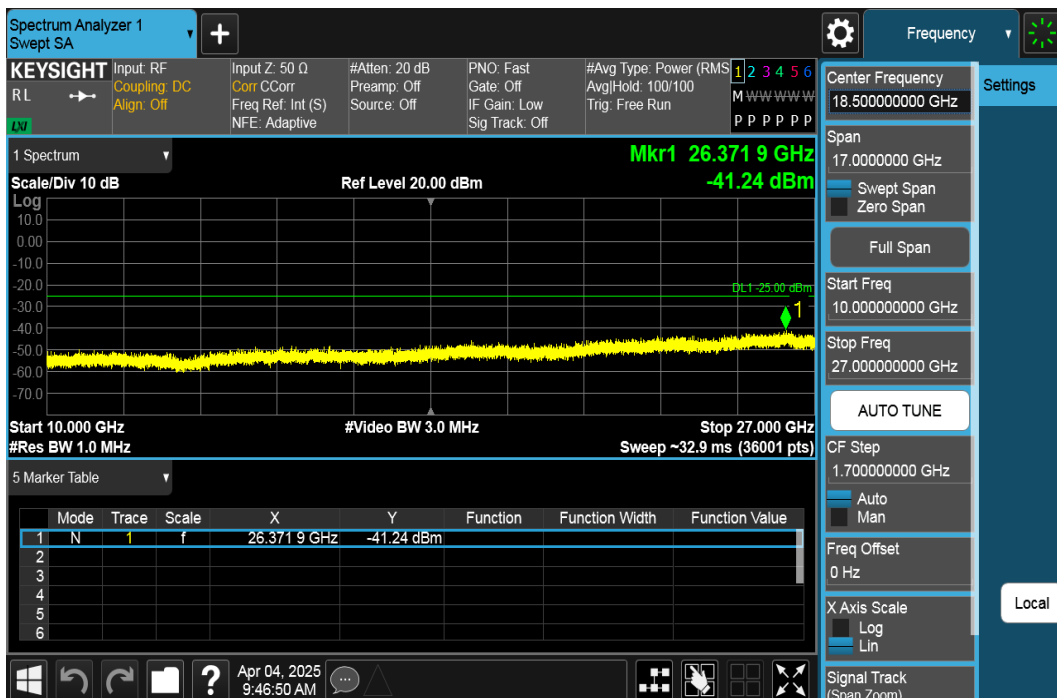
Conducted spurious emissions

test graph

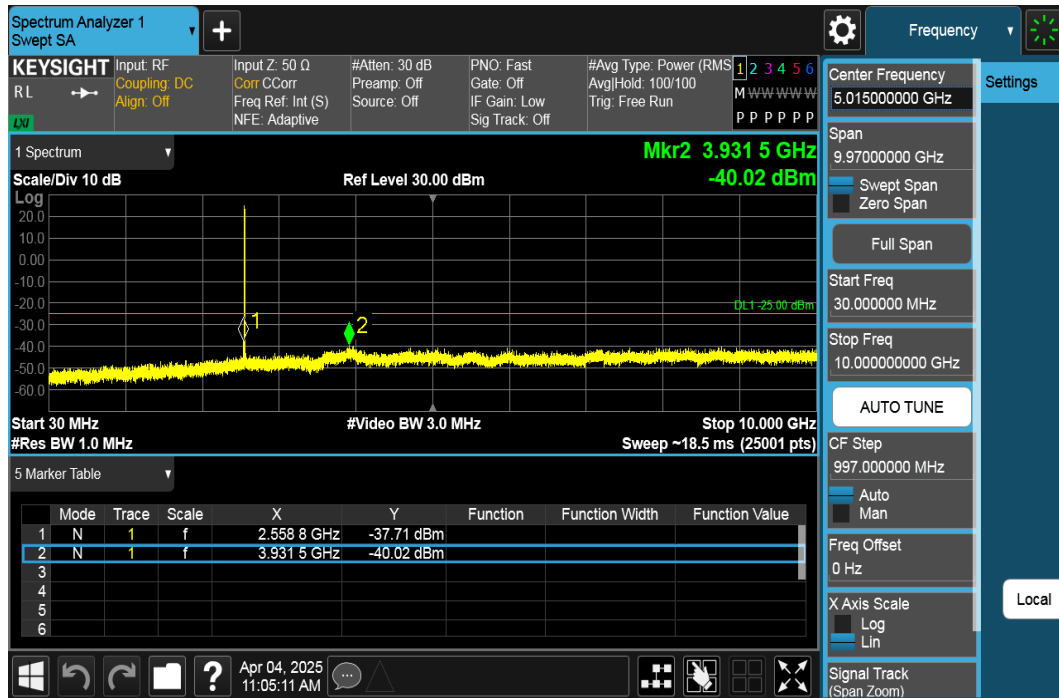
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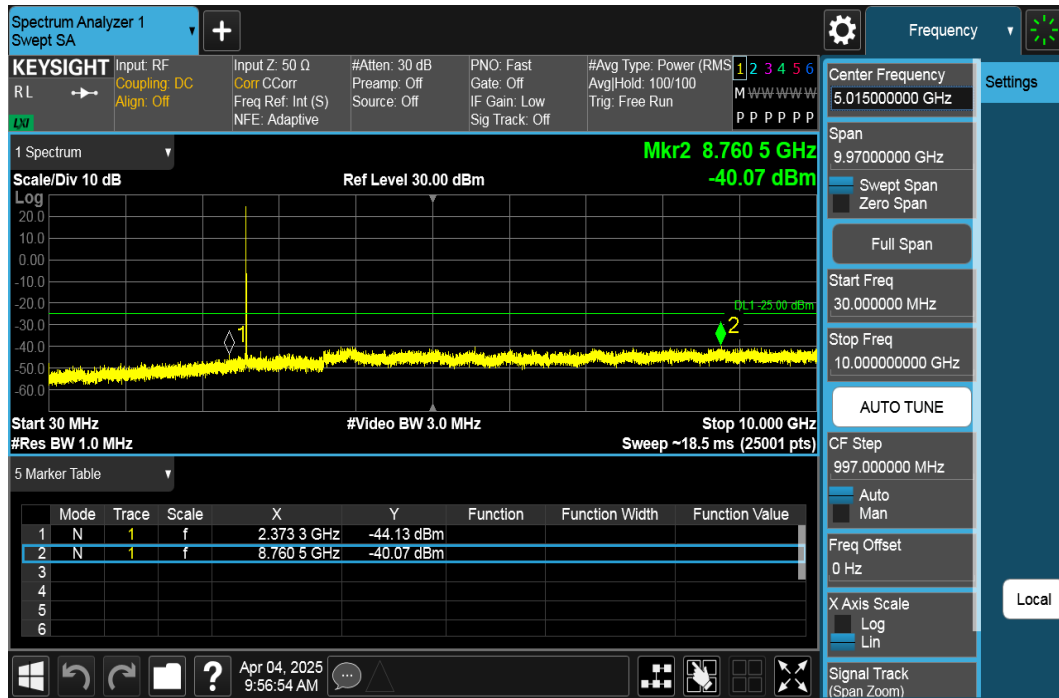
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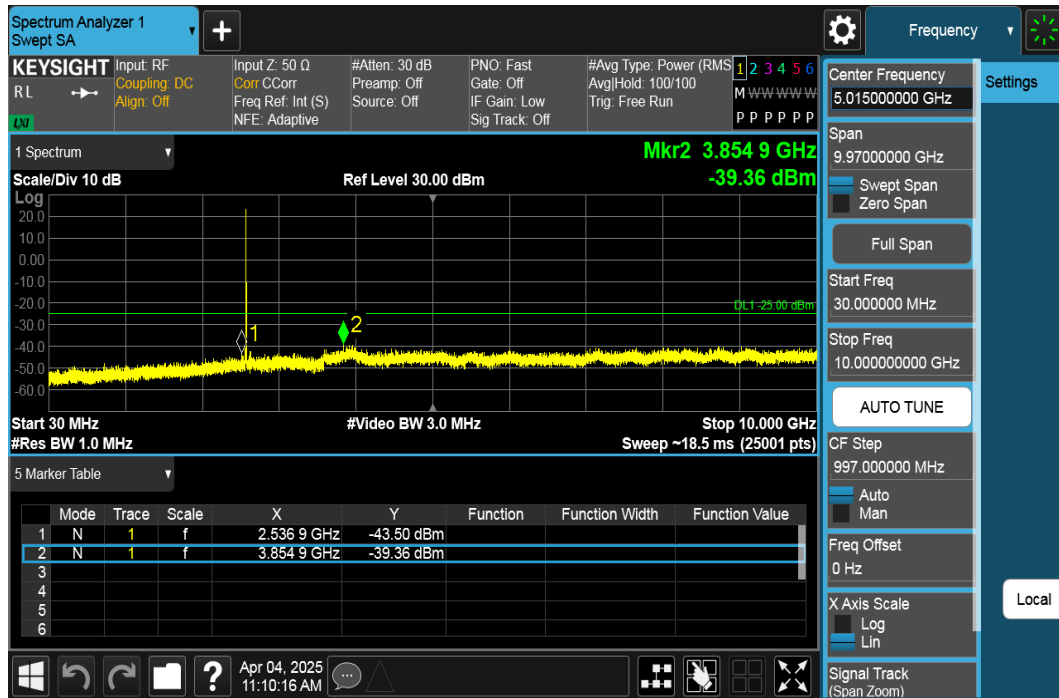
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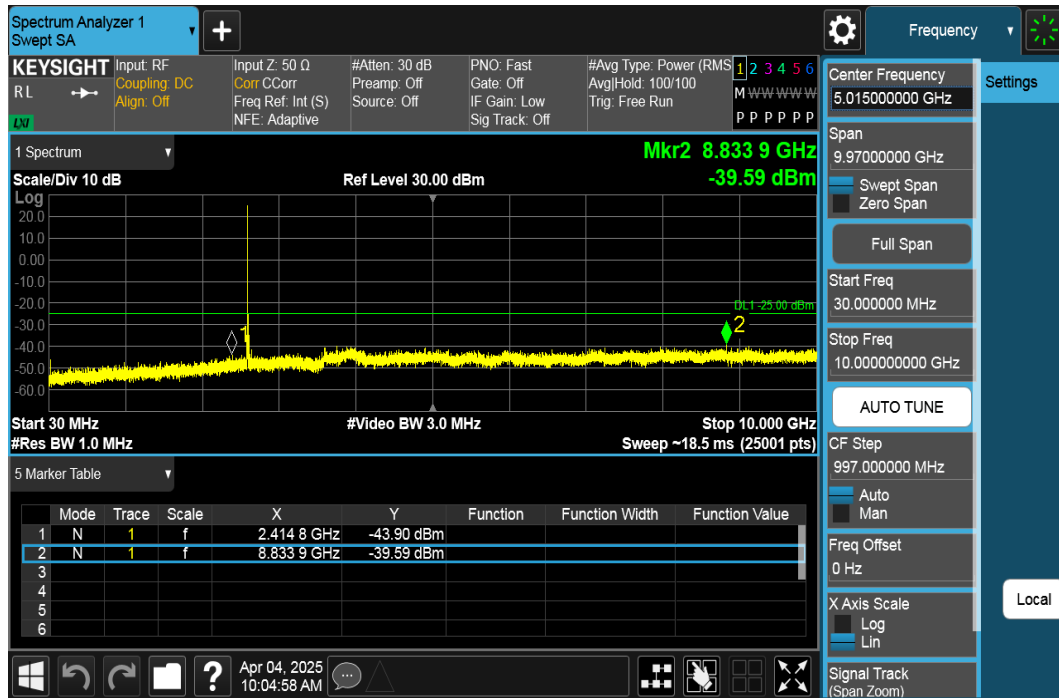
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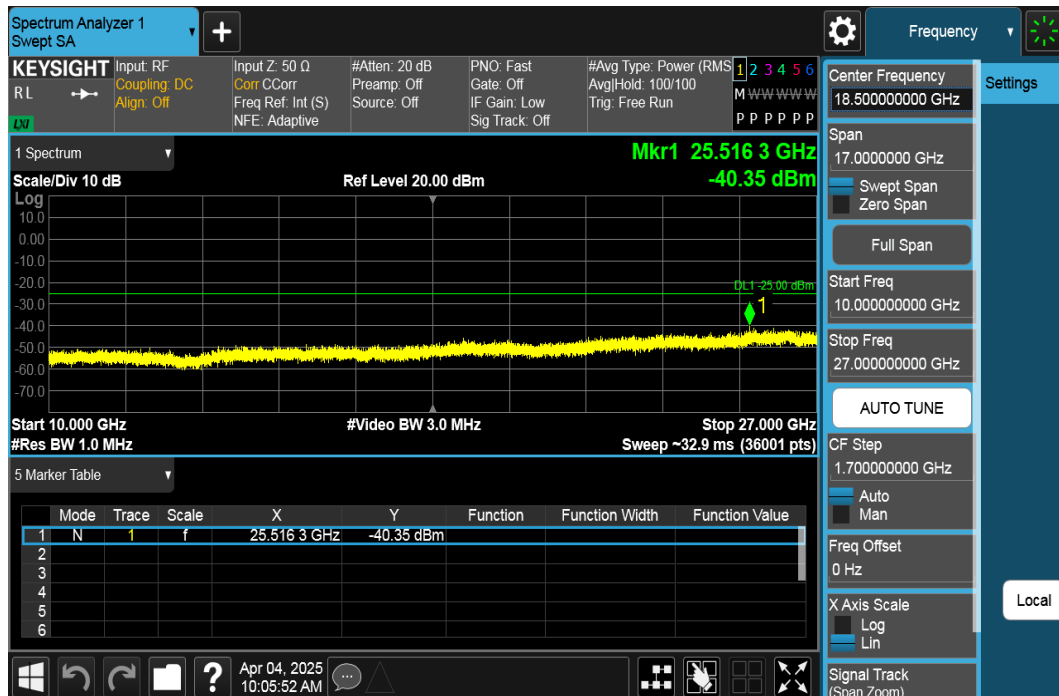
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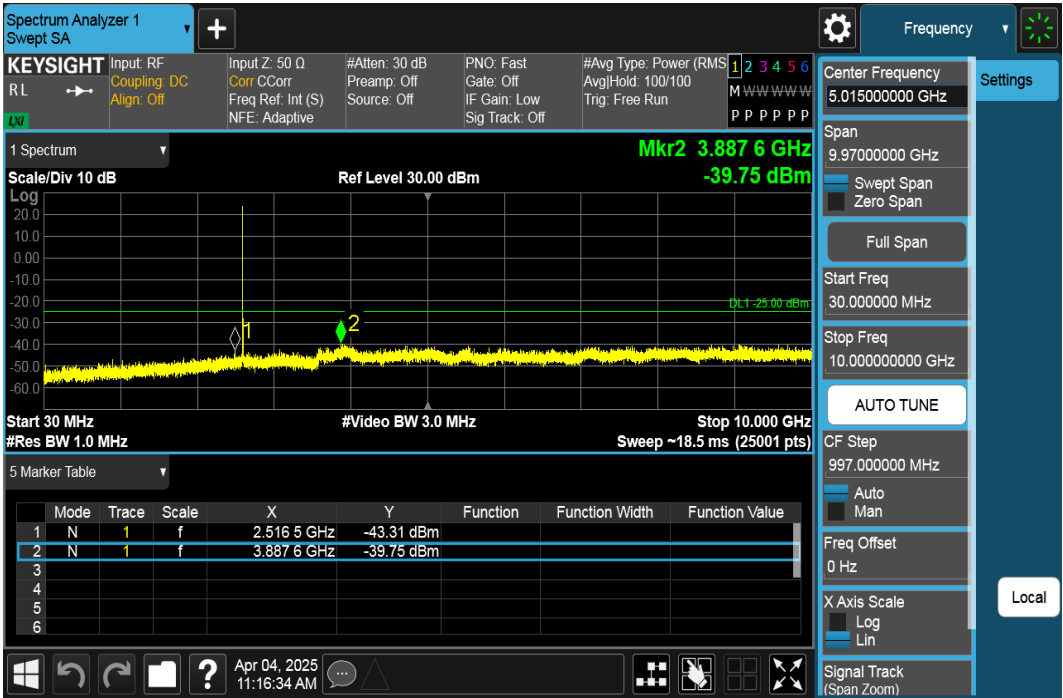
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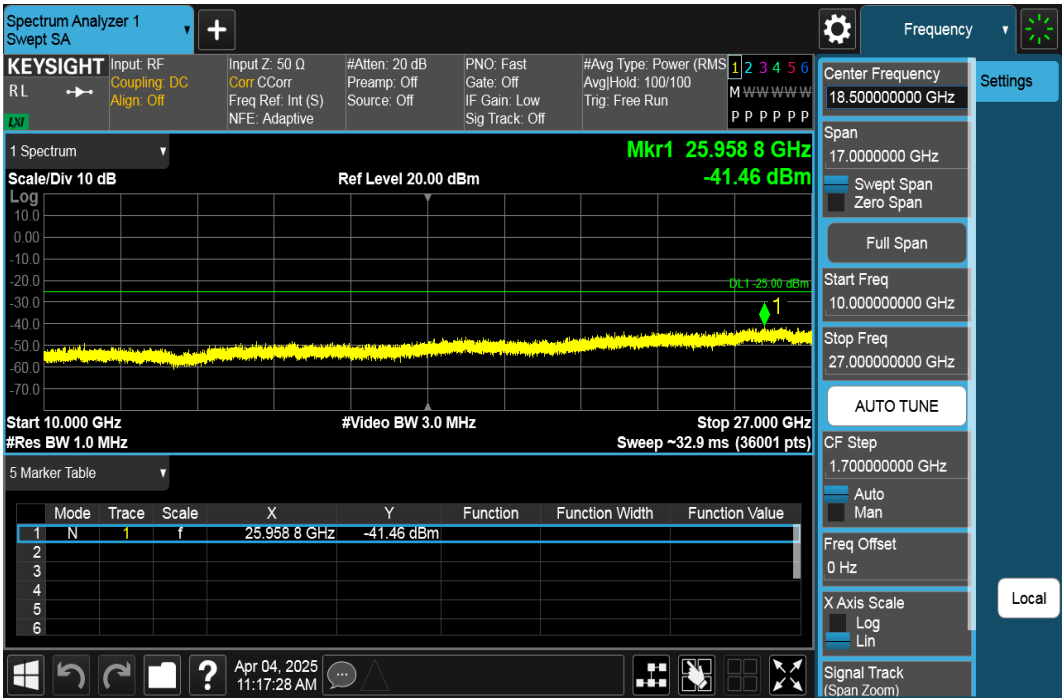
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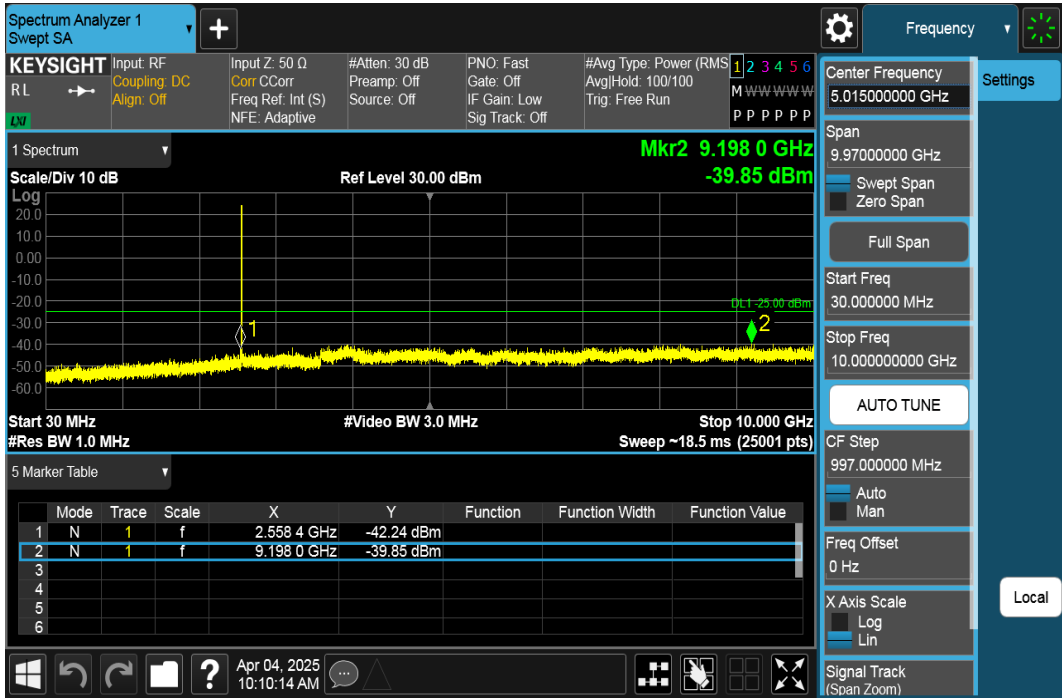
N38-10M-CSE-HCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N38-10M-CSE-HCH-CP-OFDM-QPSK-1RB0-10GHz-26GHz



N38-15M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N38-15M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-26GHz

