

99% & 26dB Bandwidth

Test Result

5G NR N41 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	8.6262	9.597	/	Pass
CP-OFDM QPSK		Outer_Full	8.6695	9.621	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	8.6009	9.6	/	Pass
CP-OFDM QPSK		Outer_Full	8.6379	9.991	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.5858	10.01	/	Pass
CP-OFDM QPSK		Outer_Full	8.6384	9.982	/	Pass

5G NR N41 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	12.964	14.28	/	Pass
CP-OFDM QPSK		Outer_Full	13.641	14.92	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	12.885	14.69	/	Pass
CP-OFDM QPSK		Outer_Full	13.662	15.13	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	12.916	14.22	/	Pass
CP-OFDM QPSK		Outer_Full	13.621	15	/	Pass

5G NR N41 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	17.846	19.26	/	Pass
CP-OFDM QPSK		Outer_Full	18.244	19.19	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	17.897	19.4	/	Pass
CP-OFDM QPSK		Outer_Full	18.191	19.52	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.868	19.13	/	Pass
CP-OFDM QPSK		Outer_Full	18.284	19.1	/	Pass

Peak-Average Ratio

Test Result

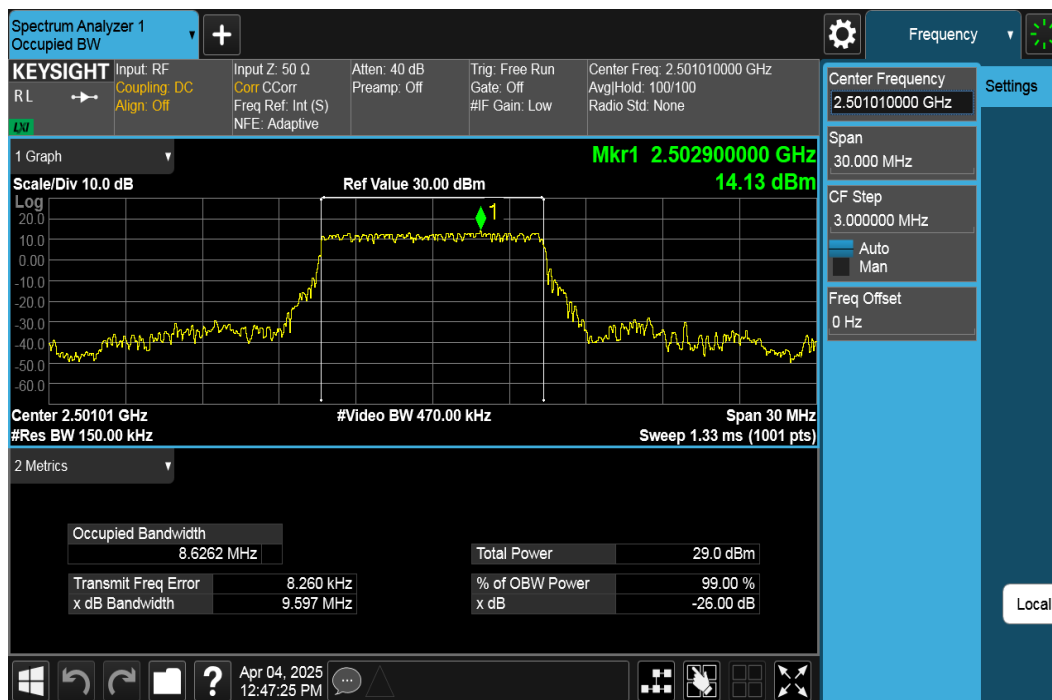
5G NR N41 SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.38	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.82	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.24	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.01	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.27	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.98	<=13	Pass

5G NR N41 SCS=30kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.99	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.73	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.2	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.01	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.24	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.06	<=13	Pass

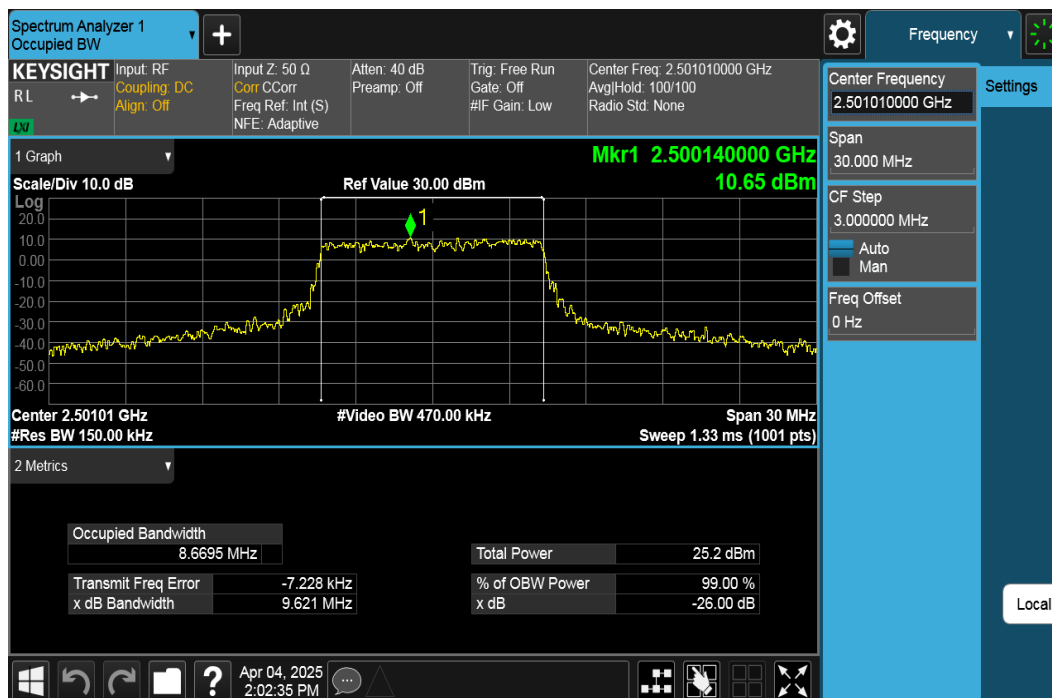
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Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.15	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.86	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.26	<=13	Pass
CP-OFDM QPSK		Outer_Full	7	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.28	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.97	<=13	Pass

OBW Test graph

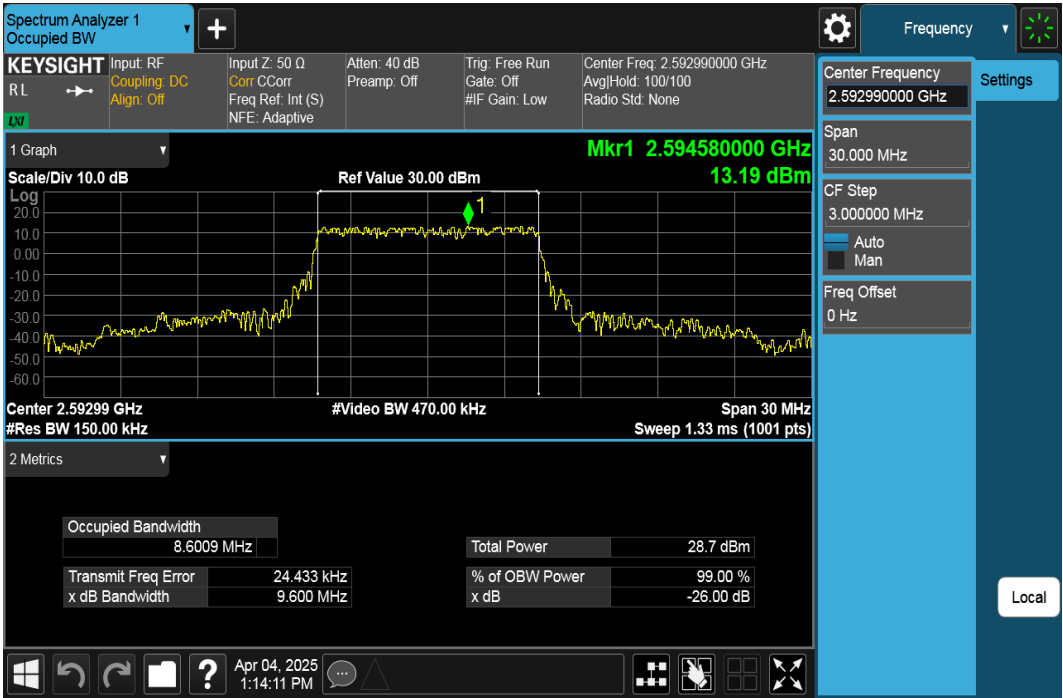
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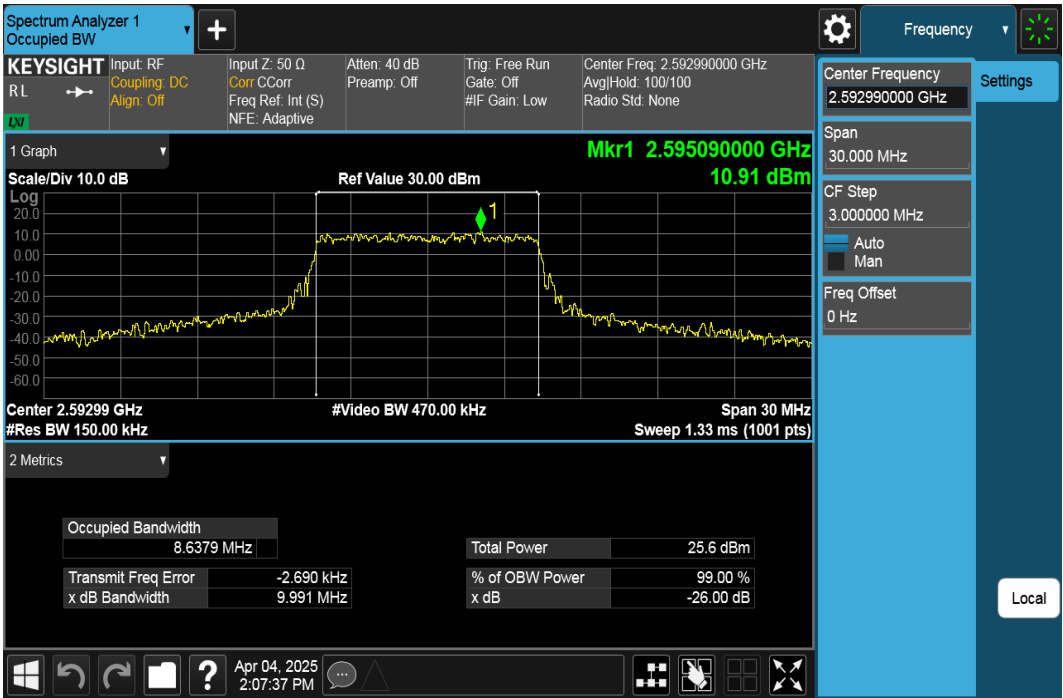
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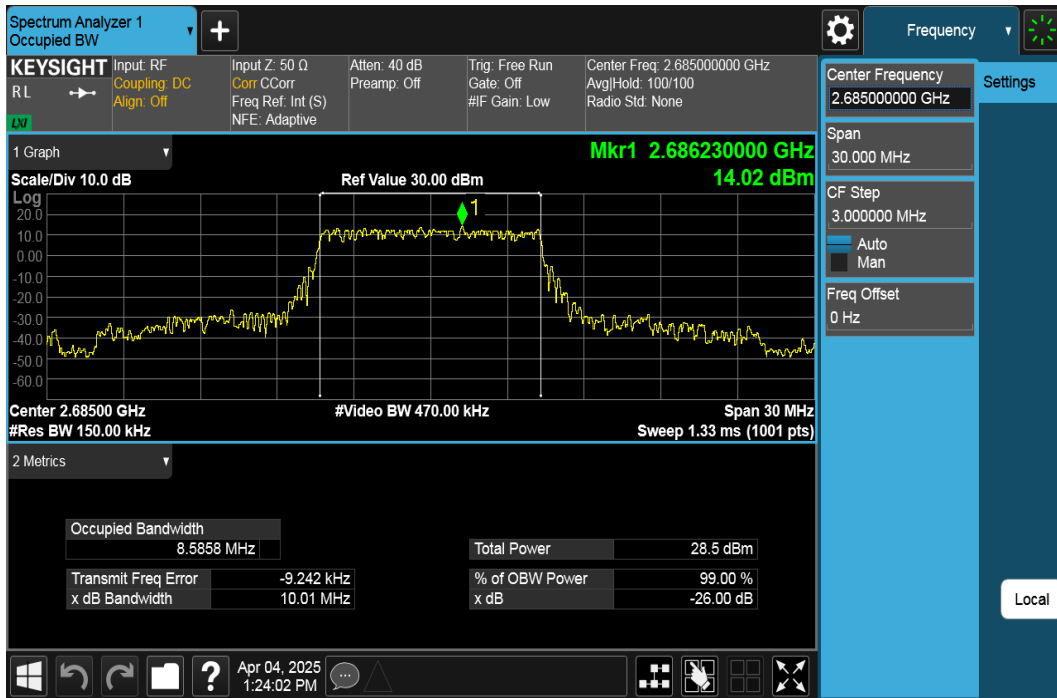
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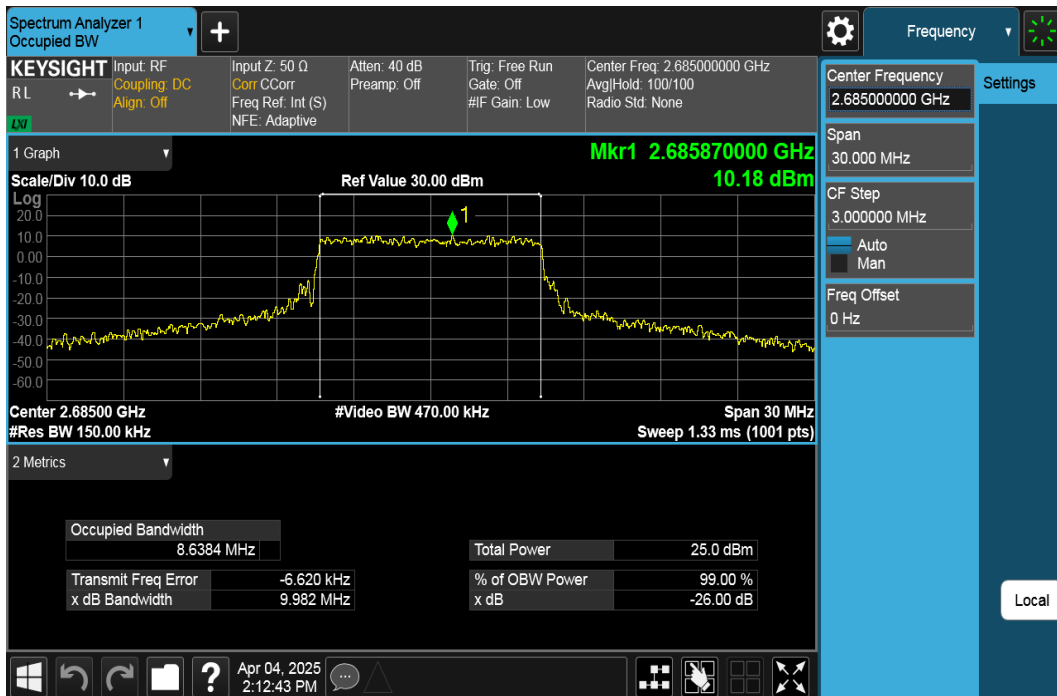
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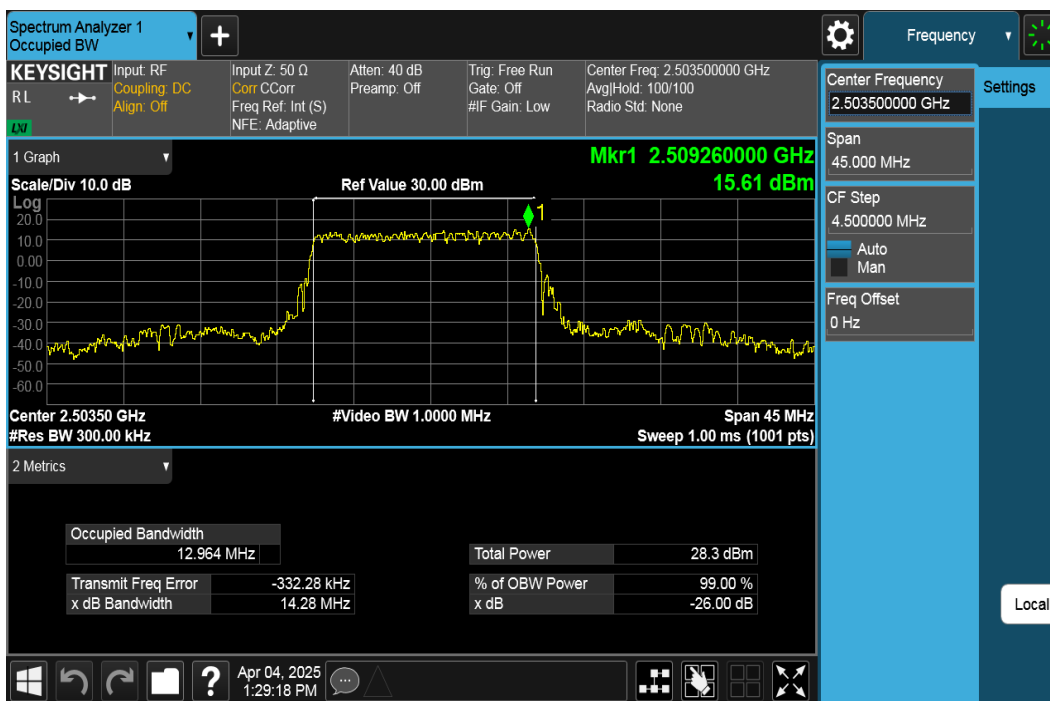
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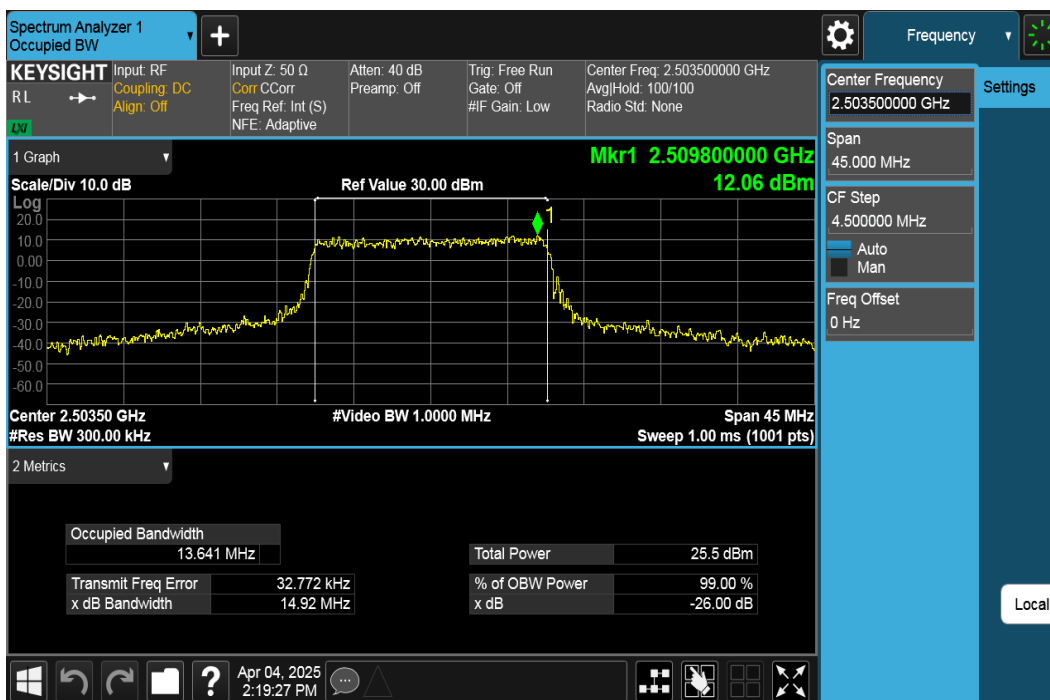
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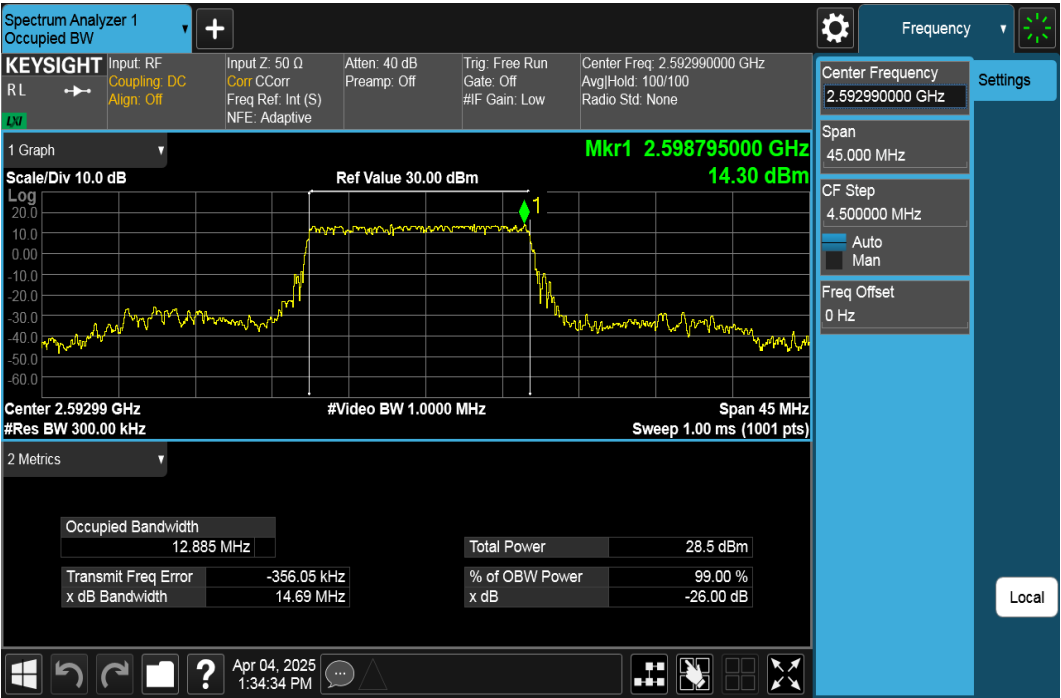
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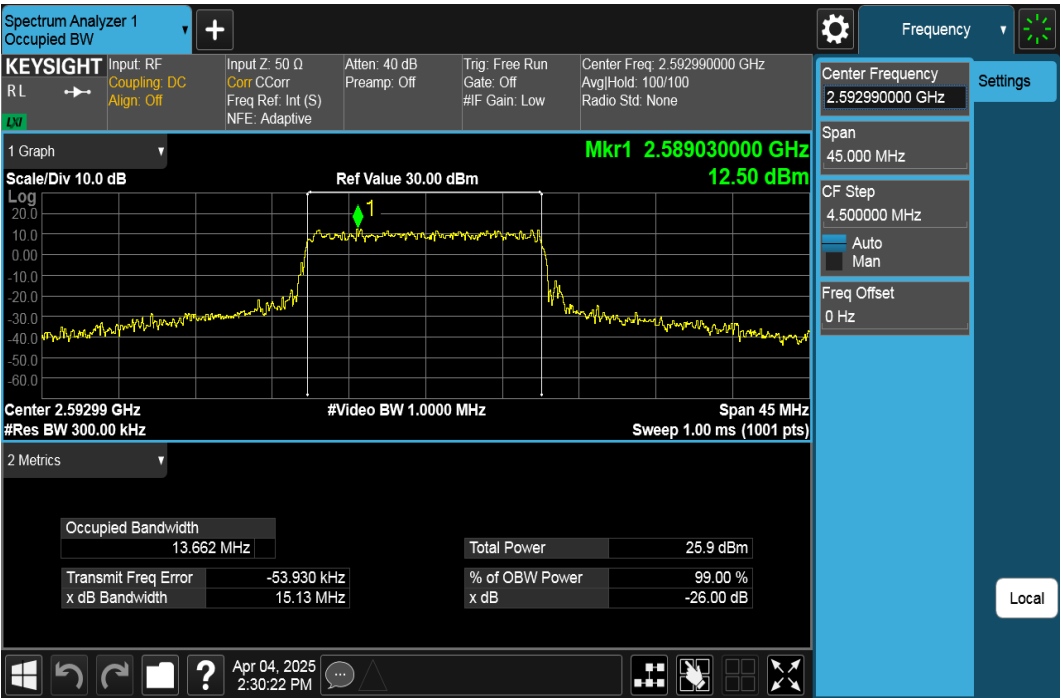
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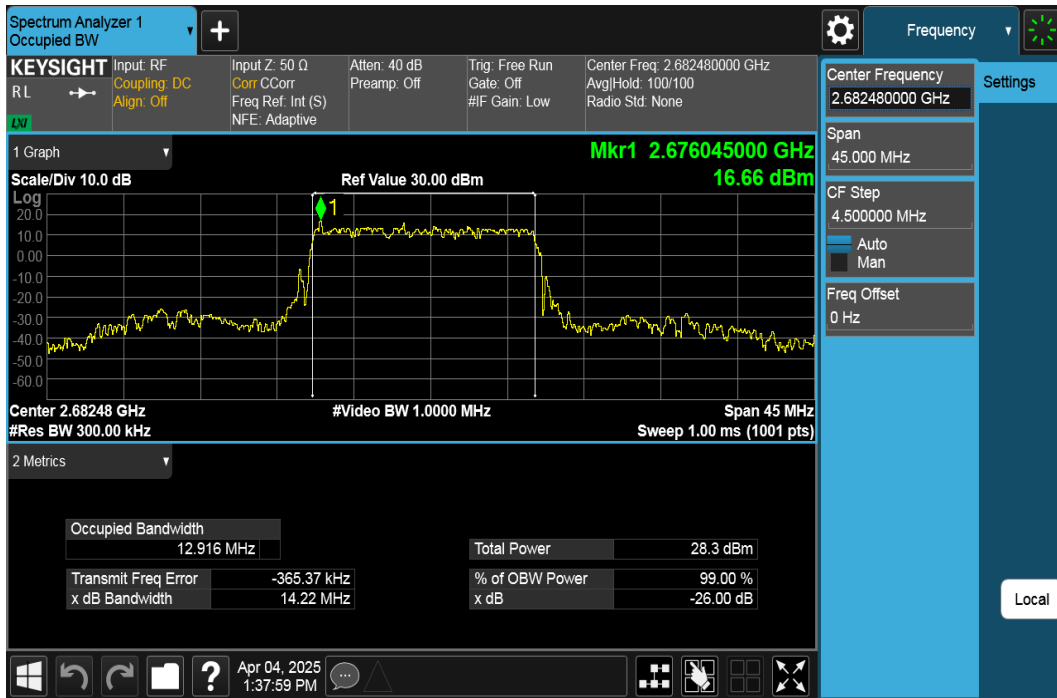
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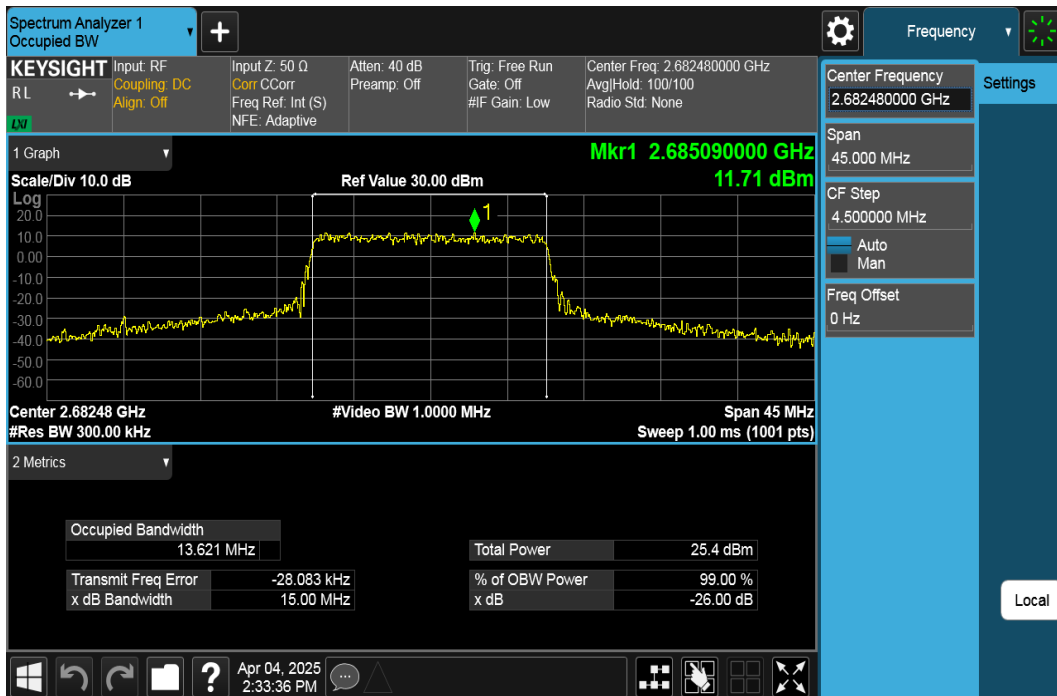
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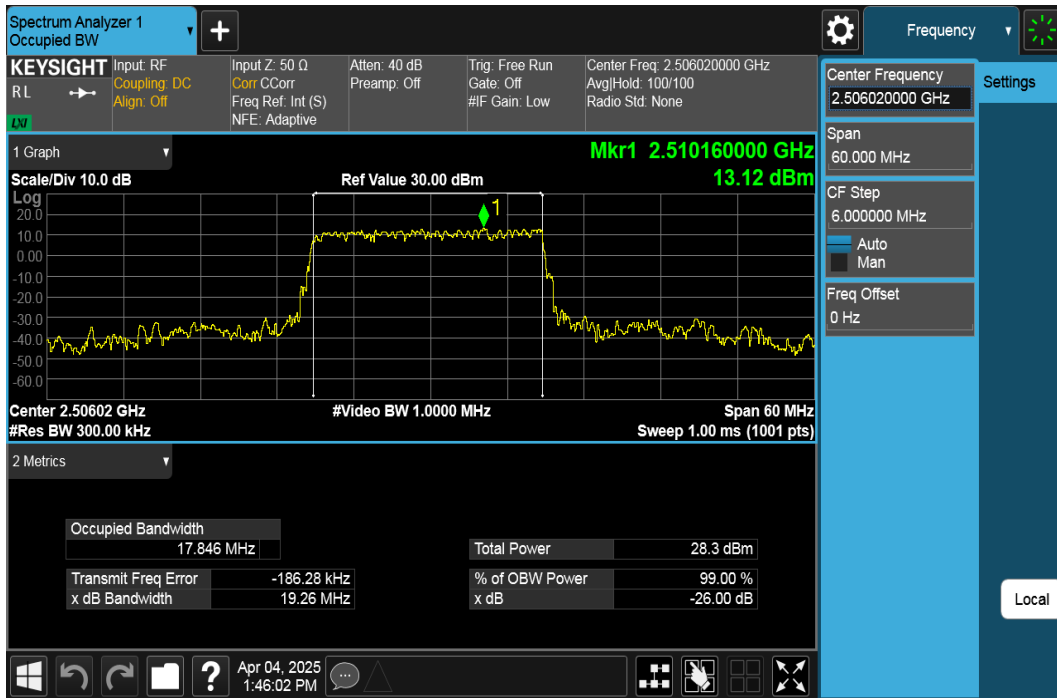
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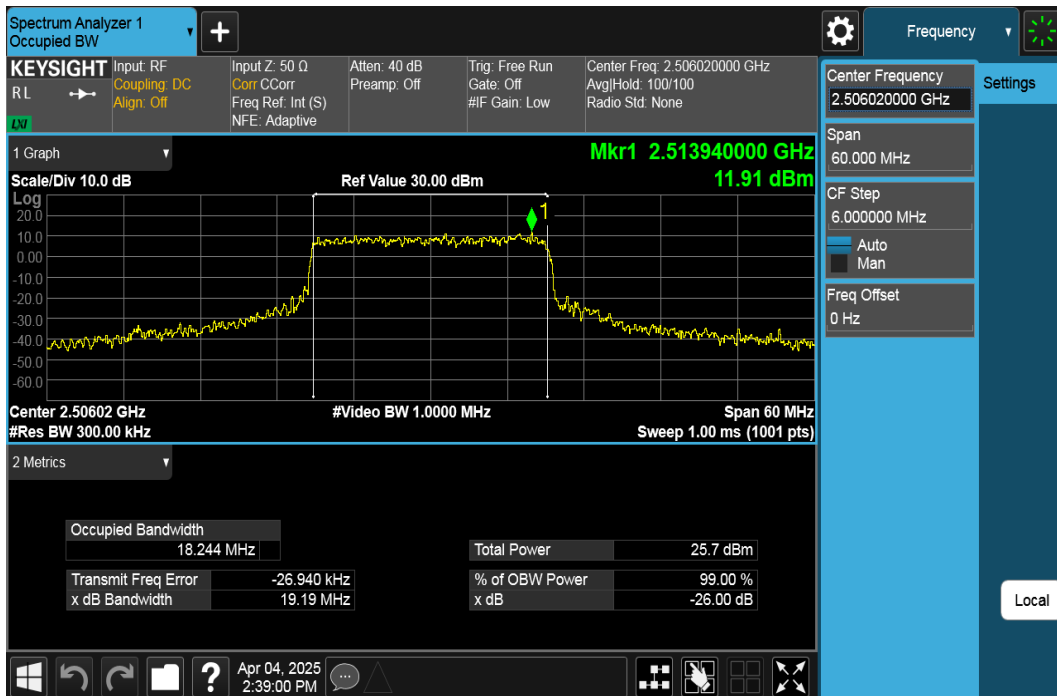
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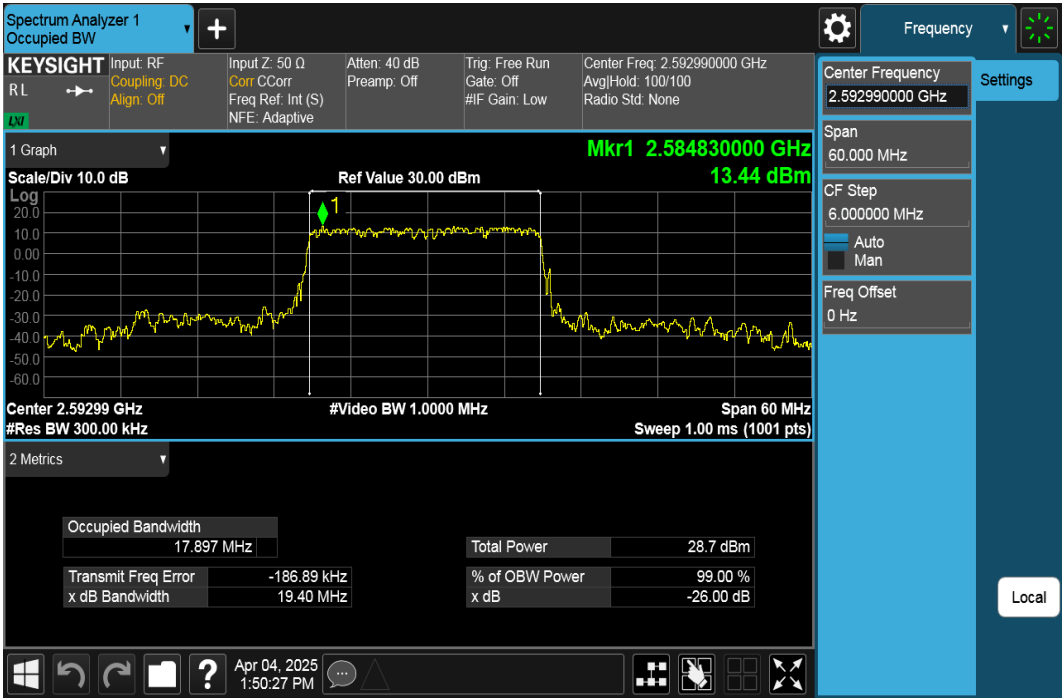
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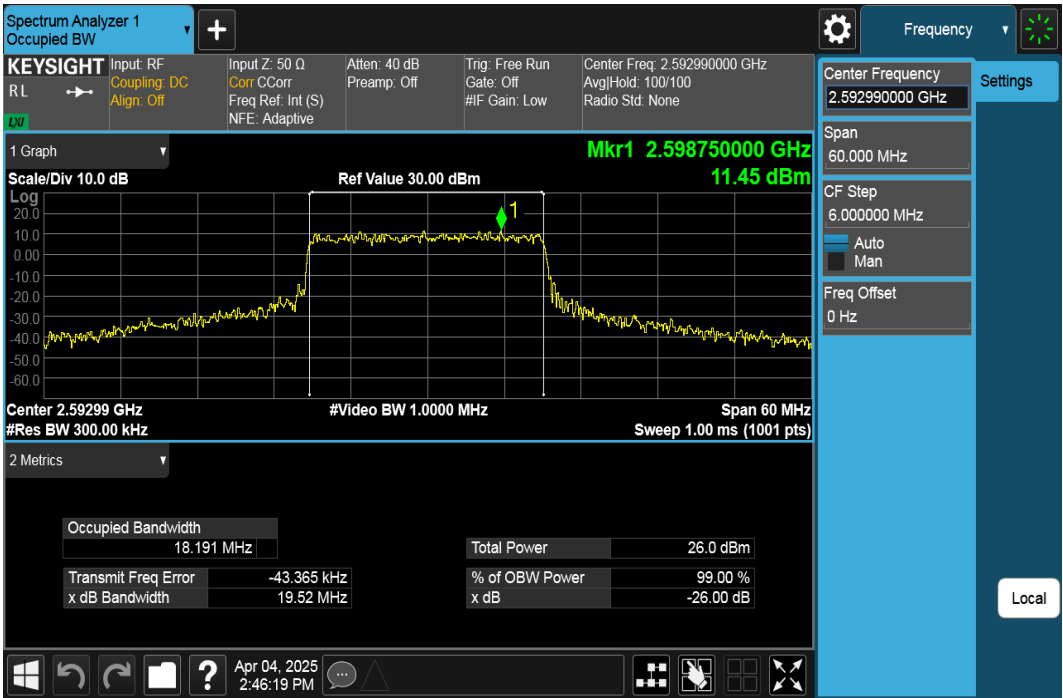
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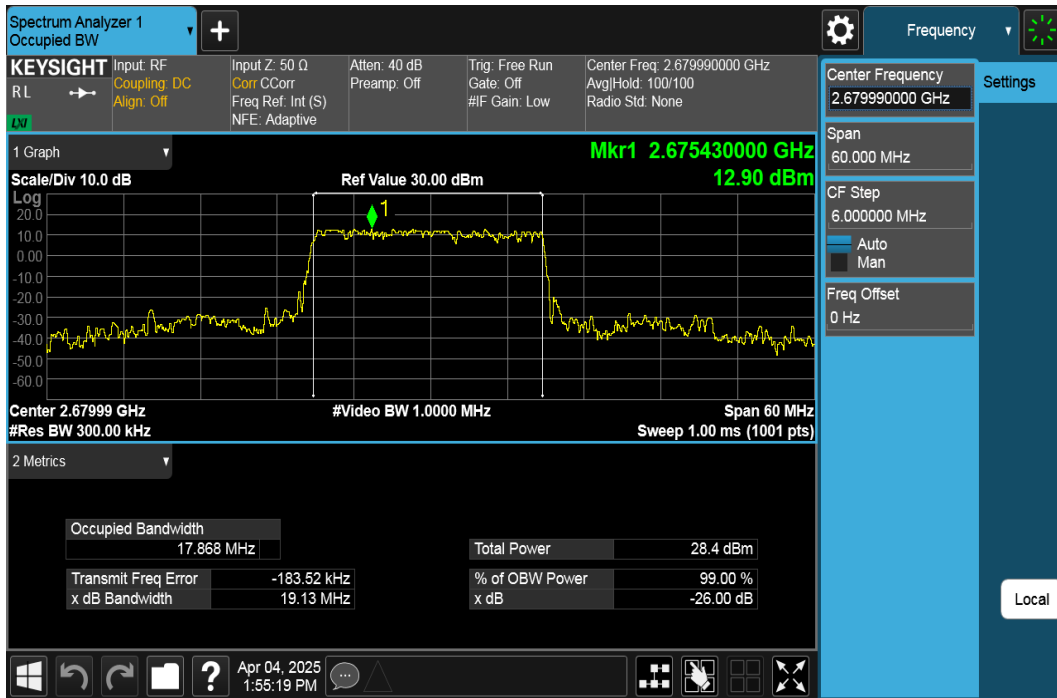
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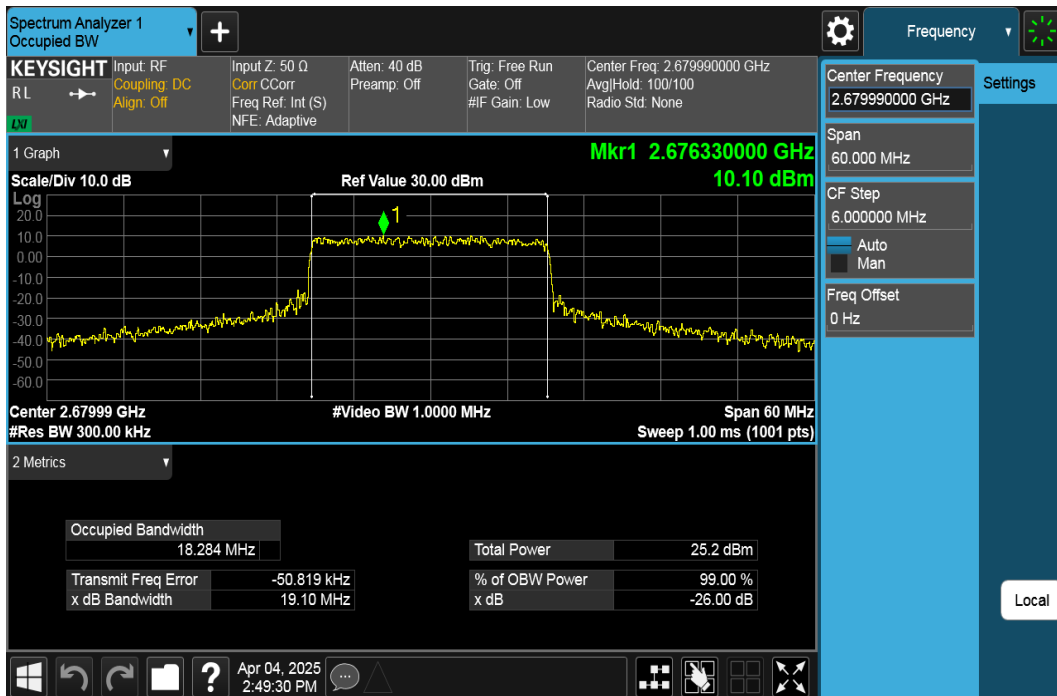
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N41-20M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-20M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



PAPR Test graph

N41-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-10M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N41-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N41-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N41-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-15M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N41-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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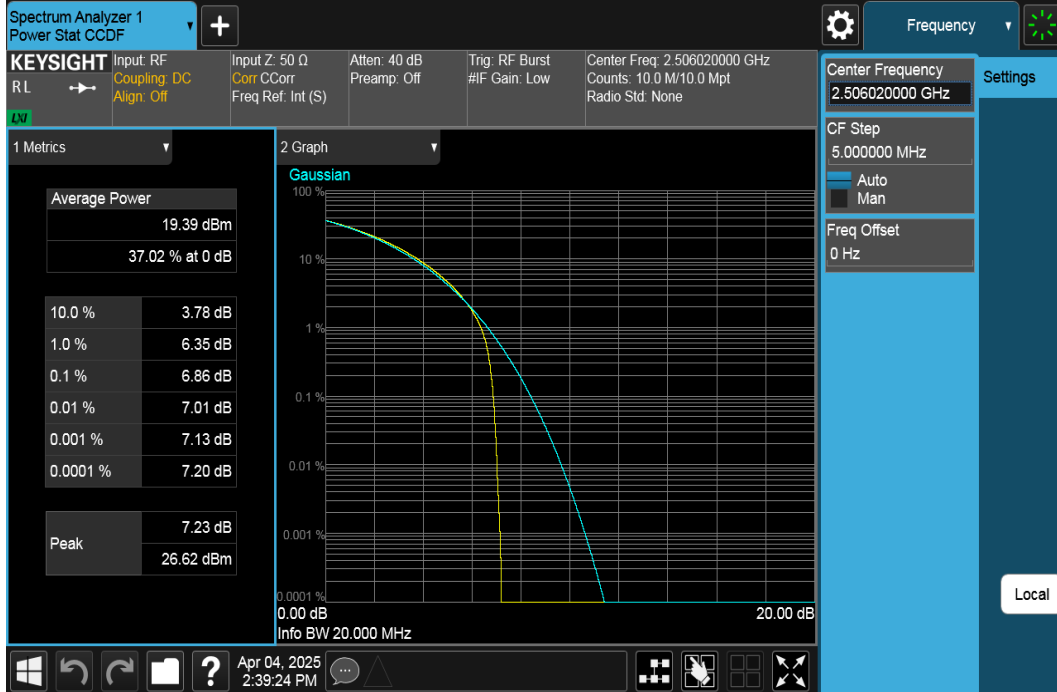
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N41-20M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N41-20M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N41-20M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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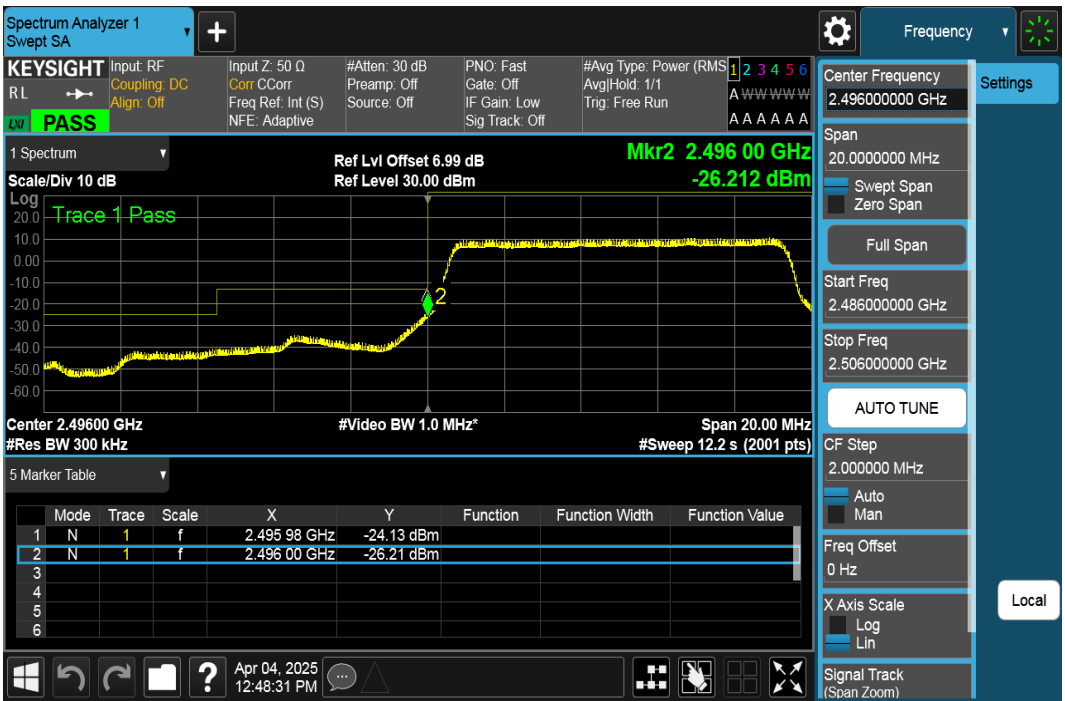
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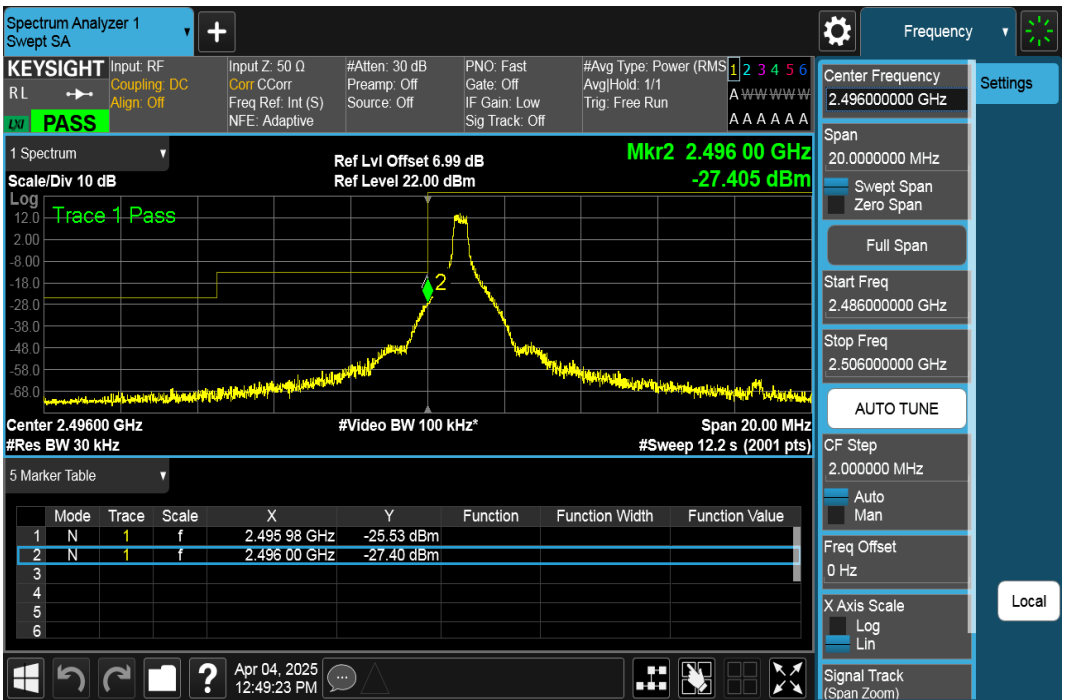
Bandedge

test graph

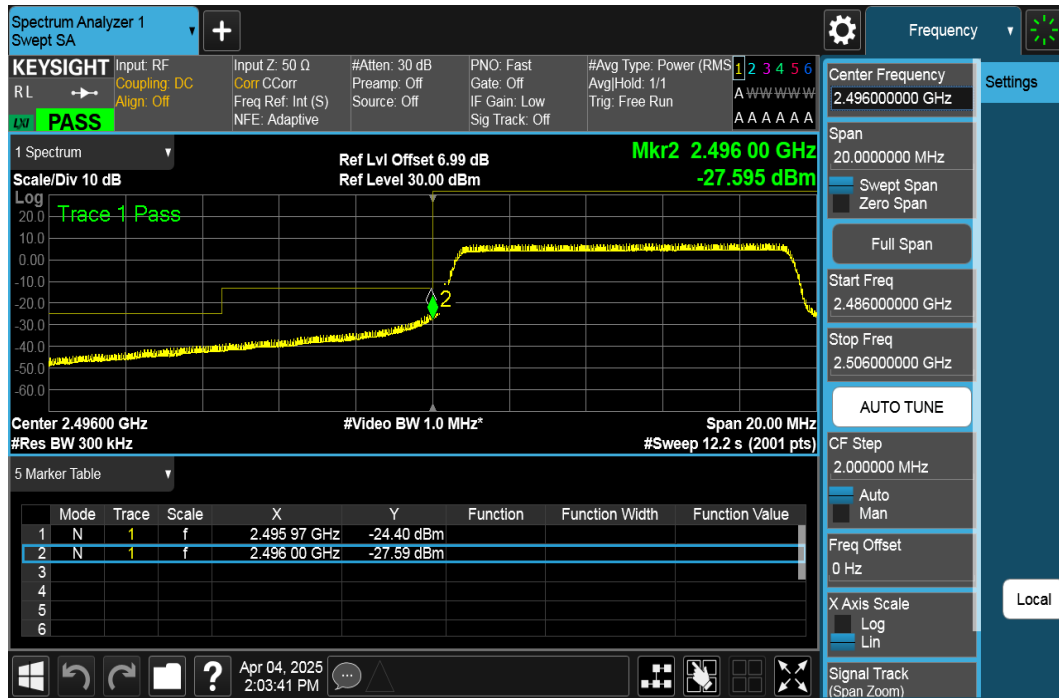
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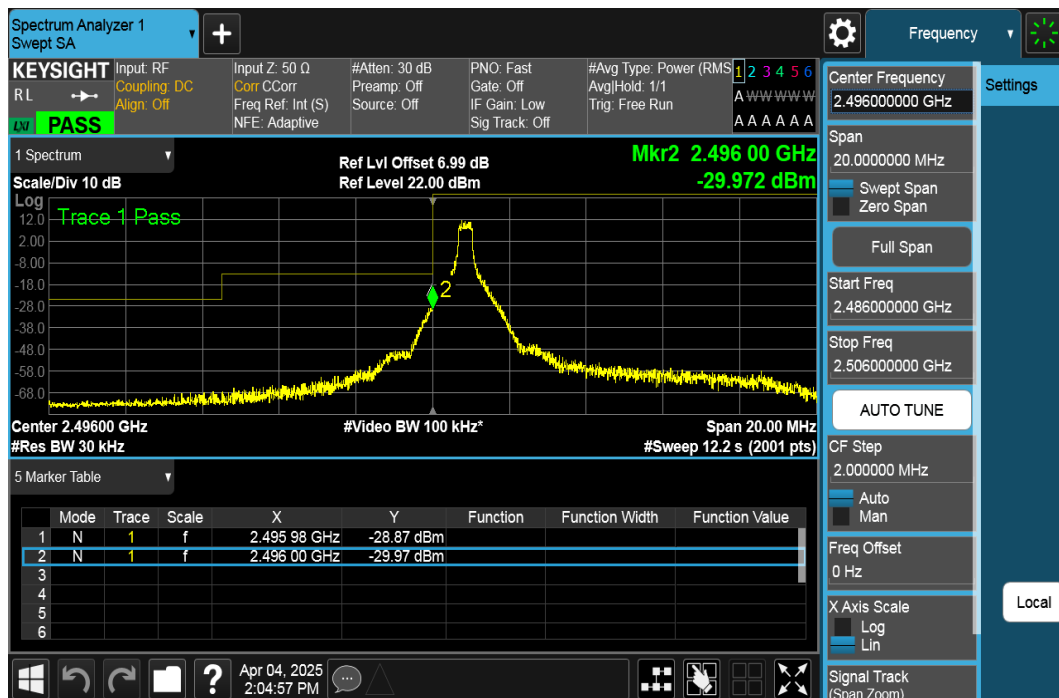
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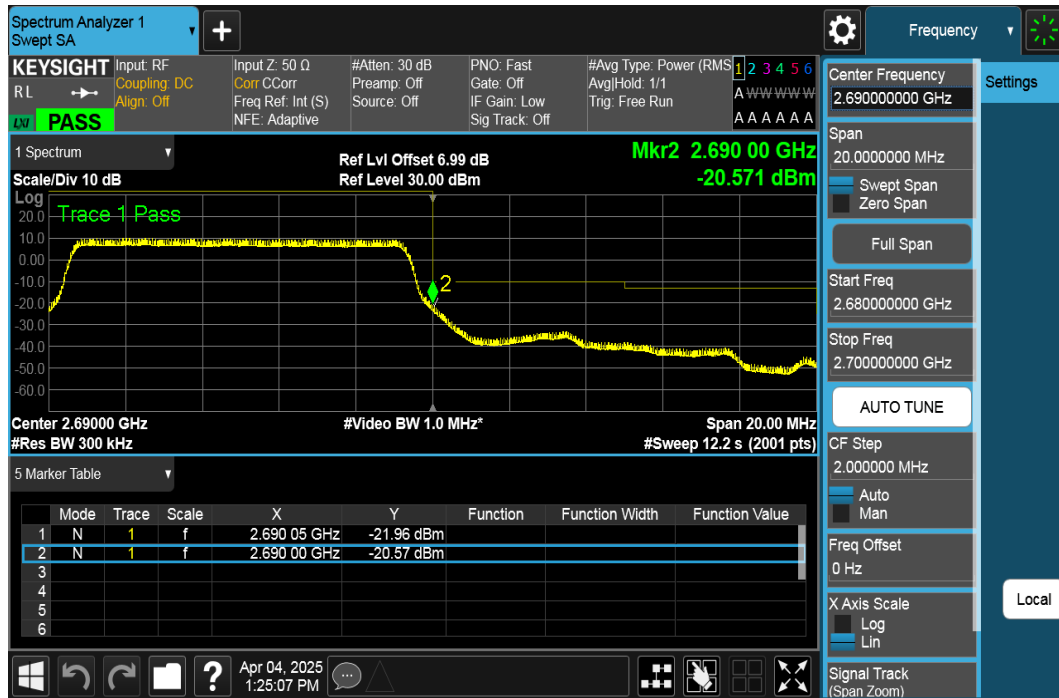
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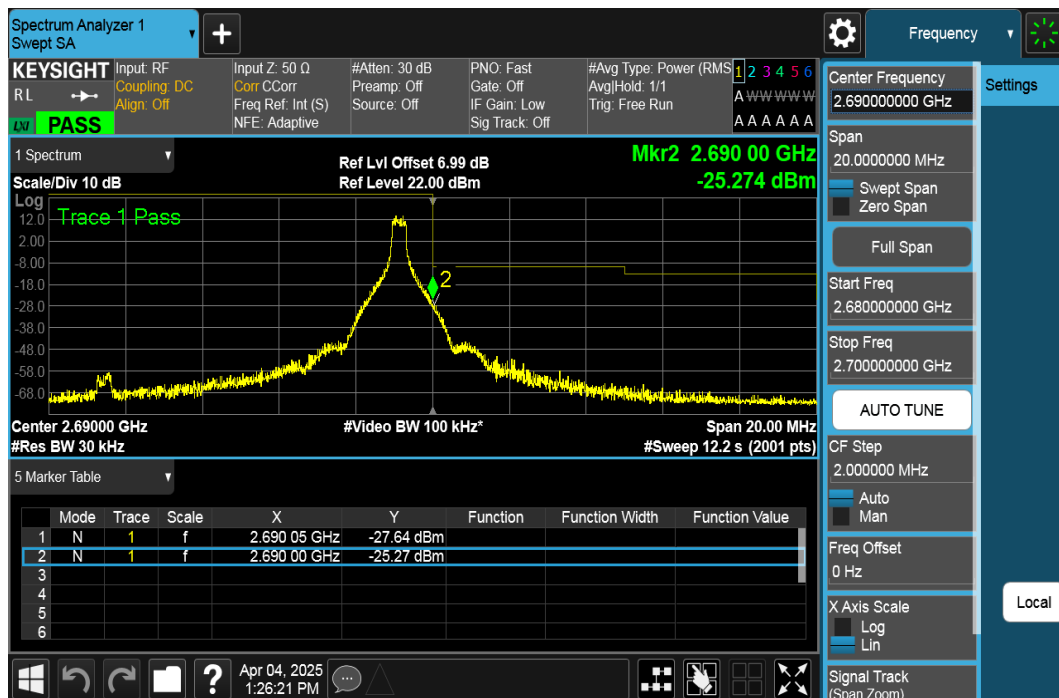
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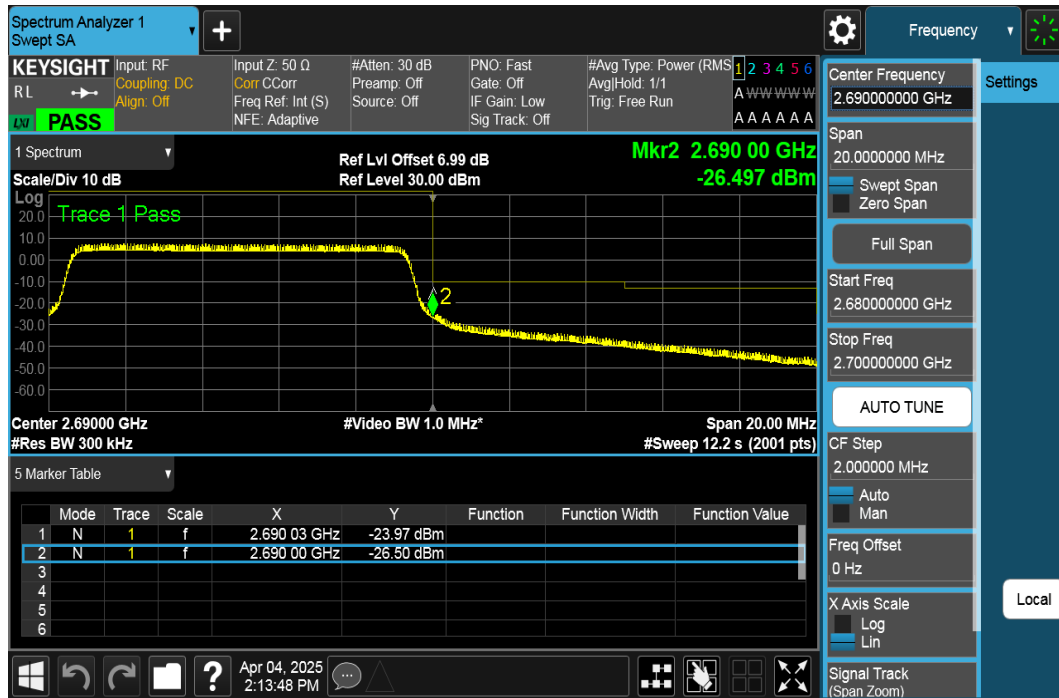
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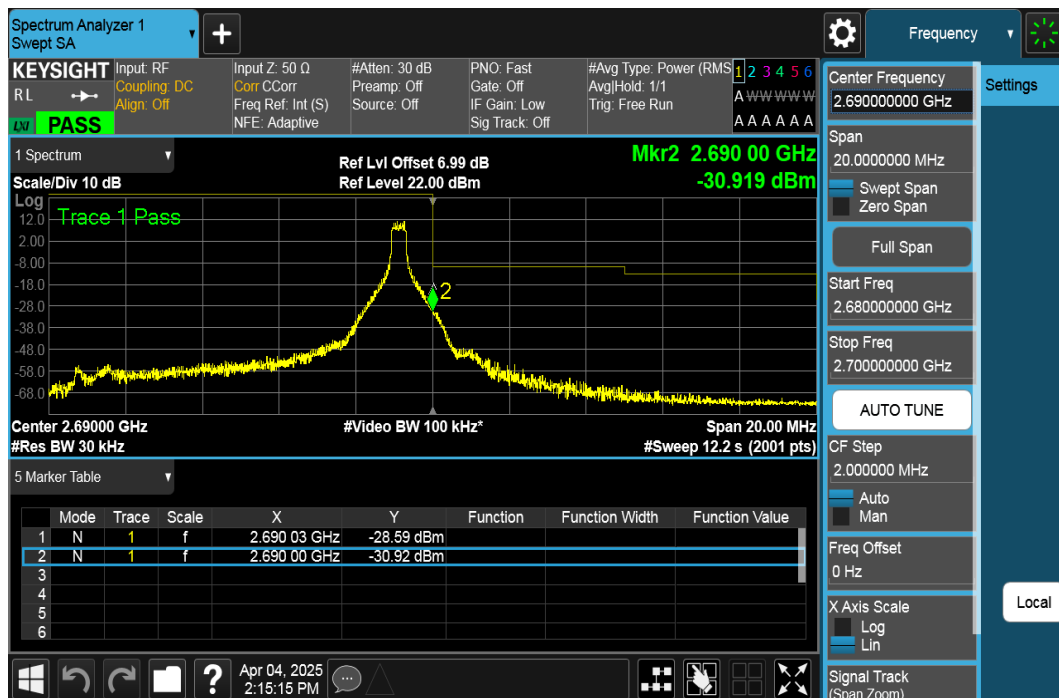
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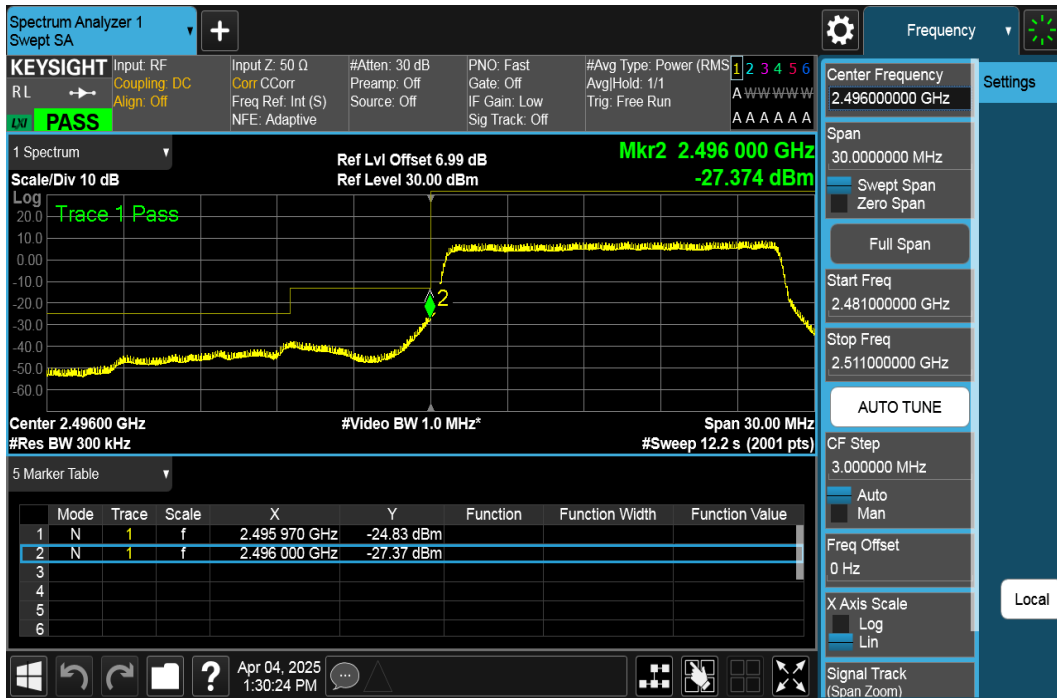
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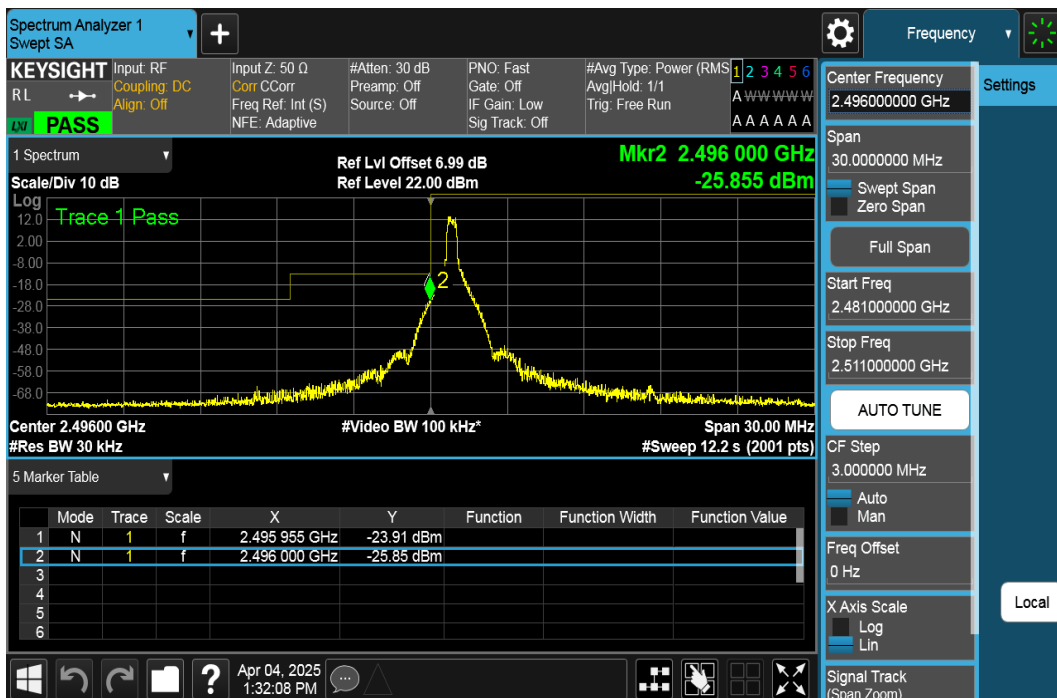
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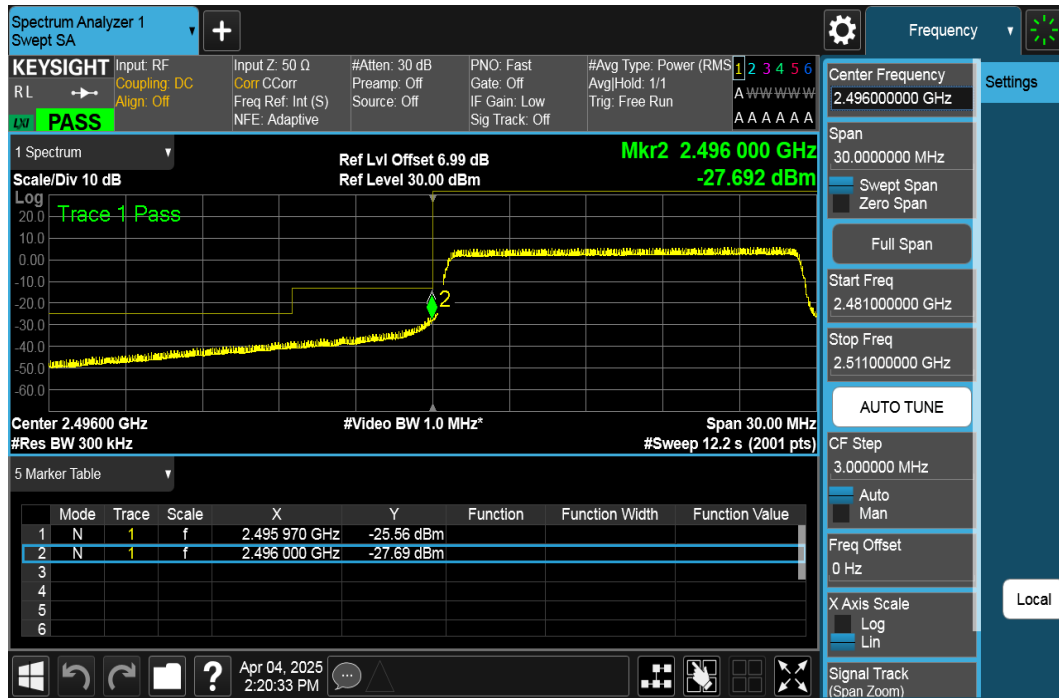
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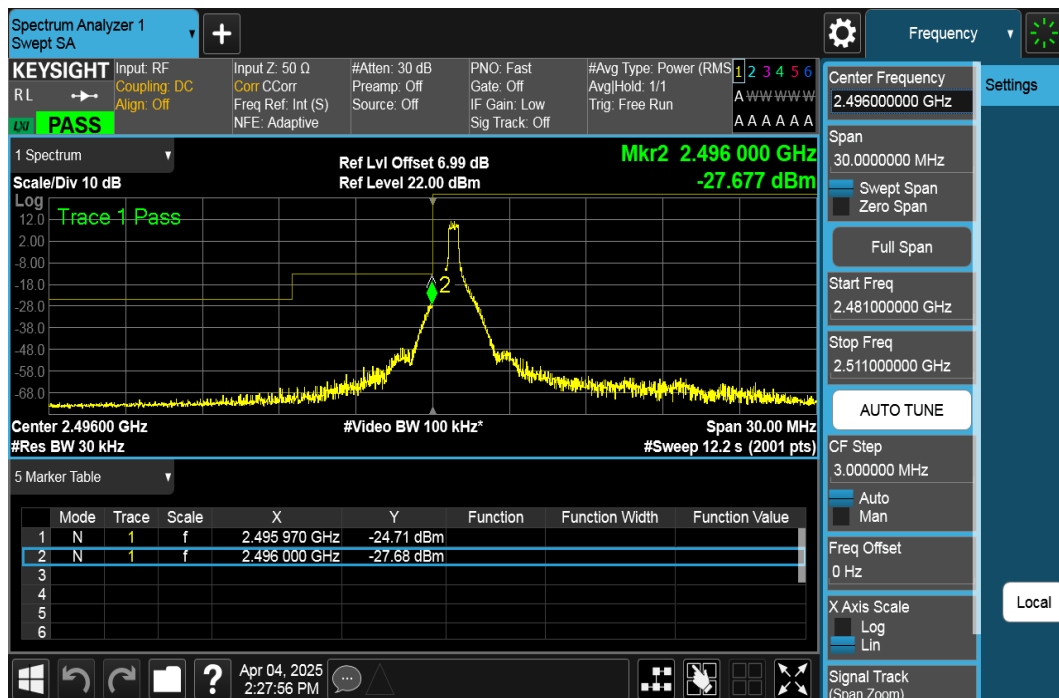
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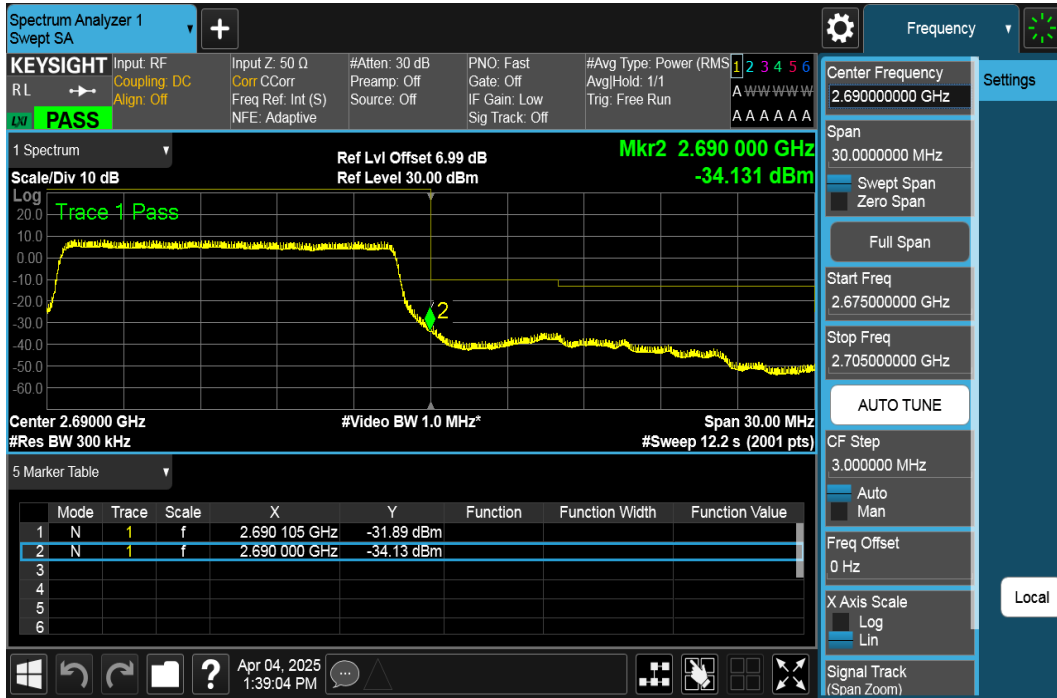
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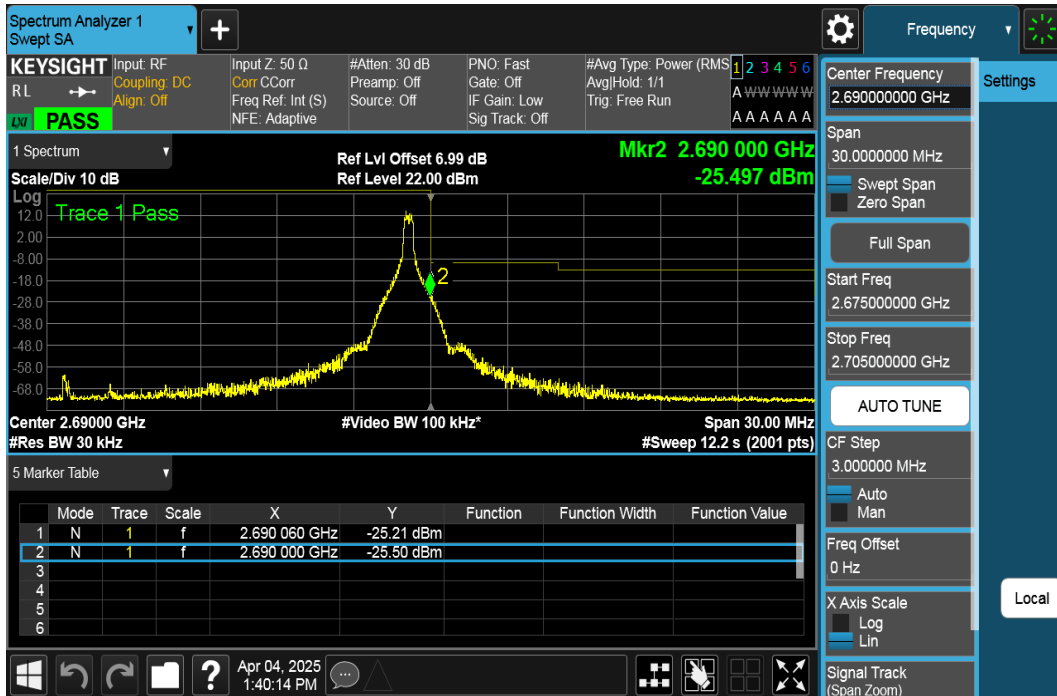
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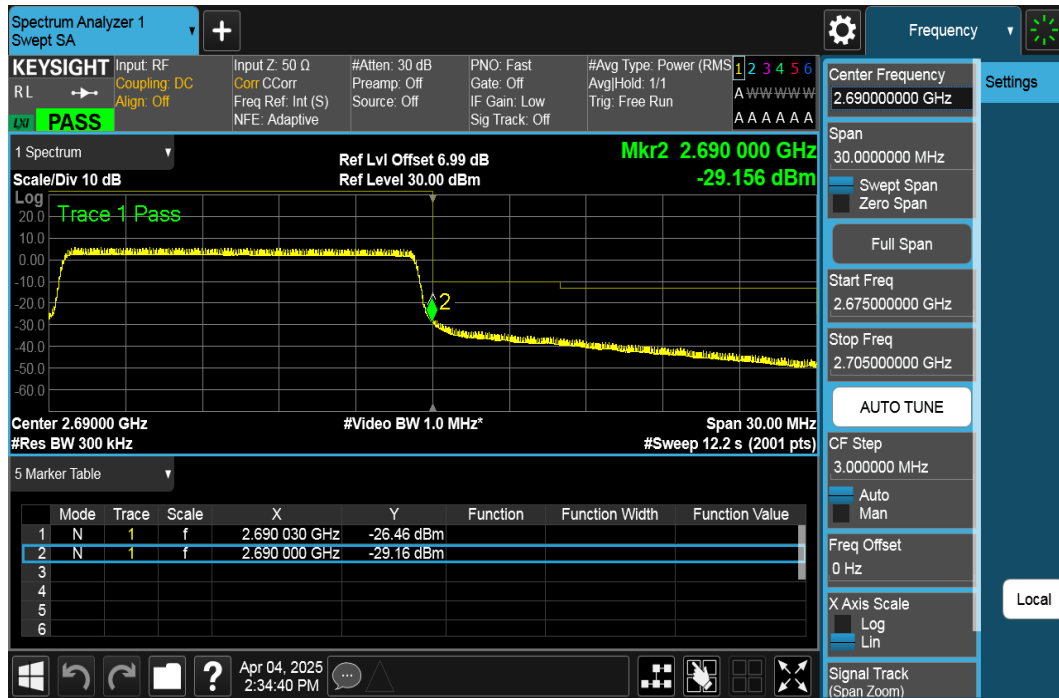
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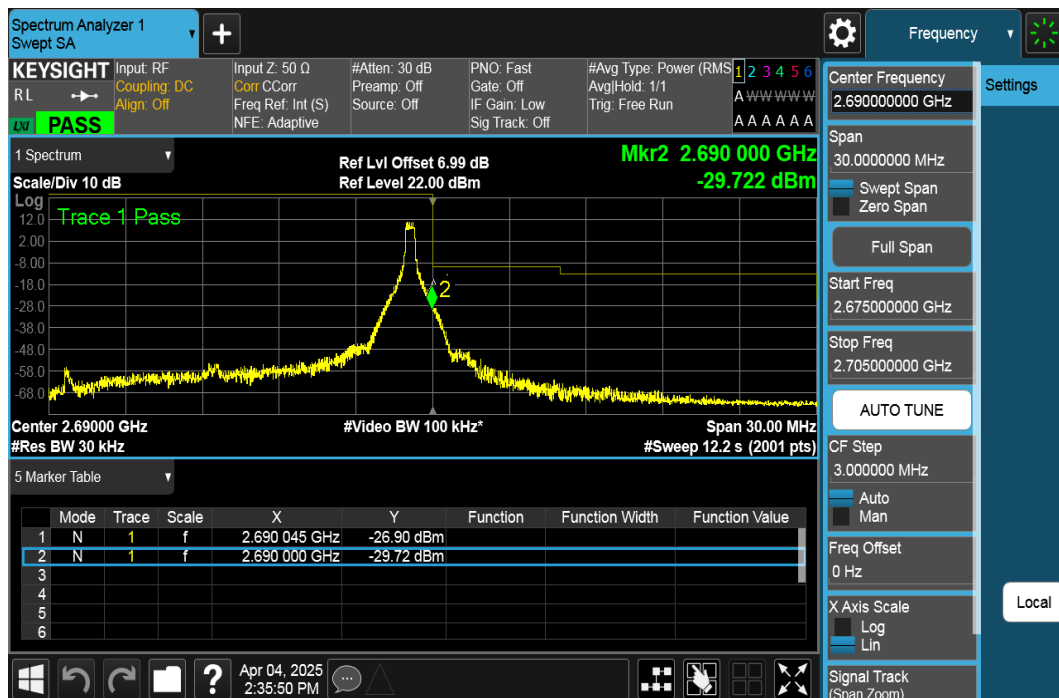
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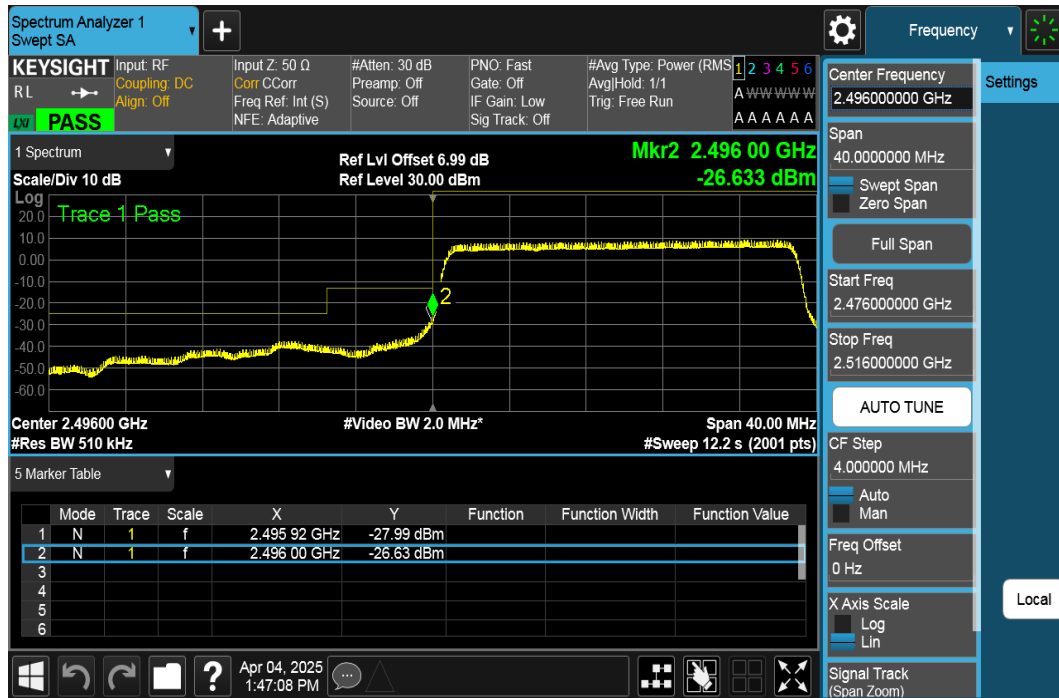
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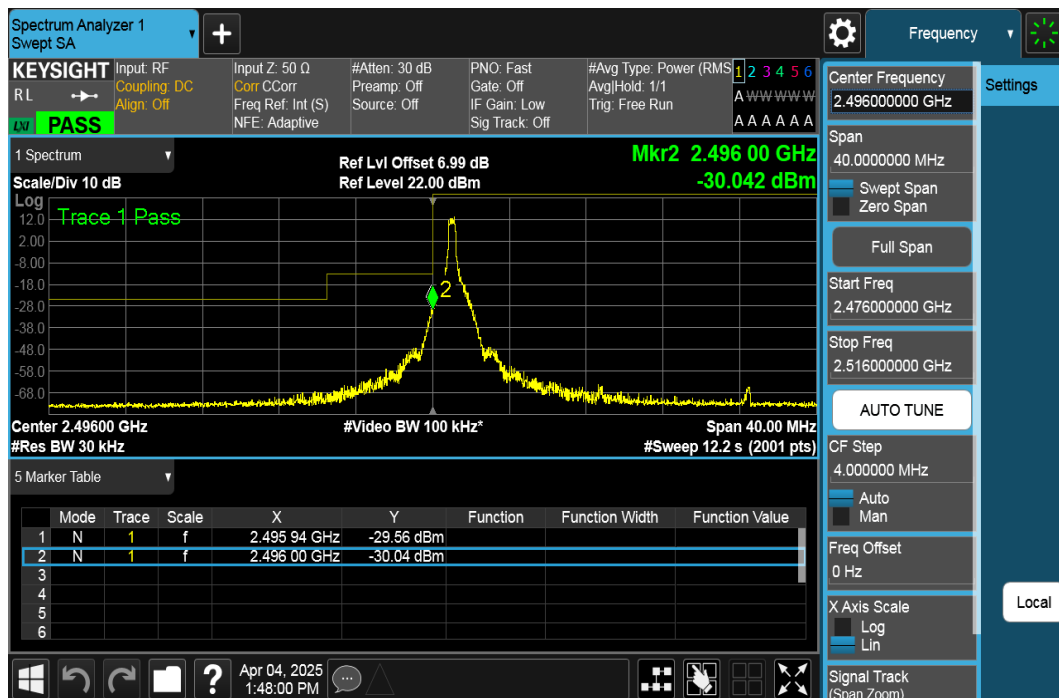
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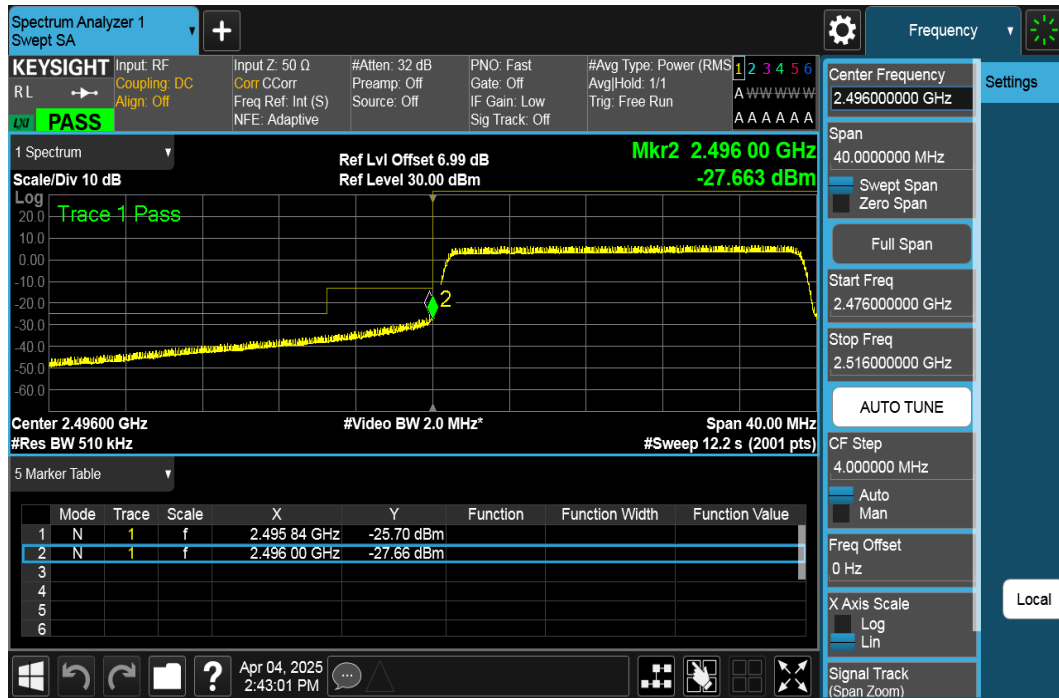
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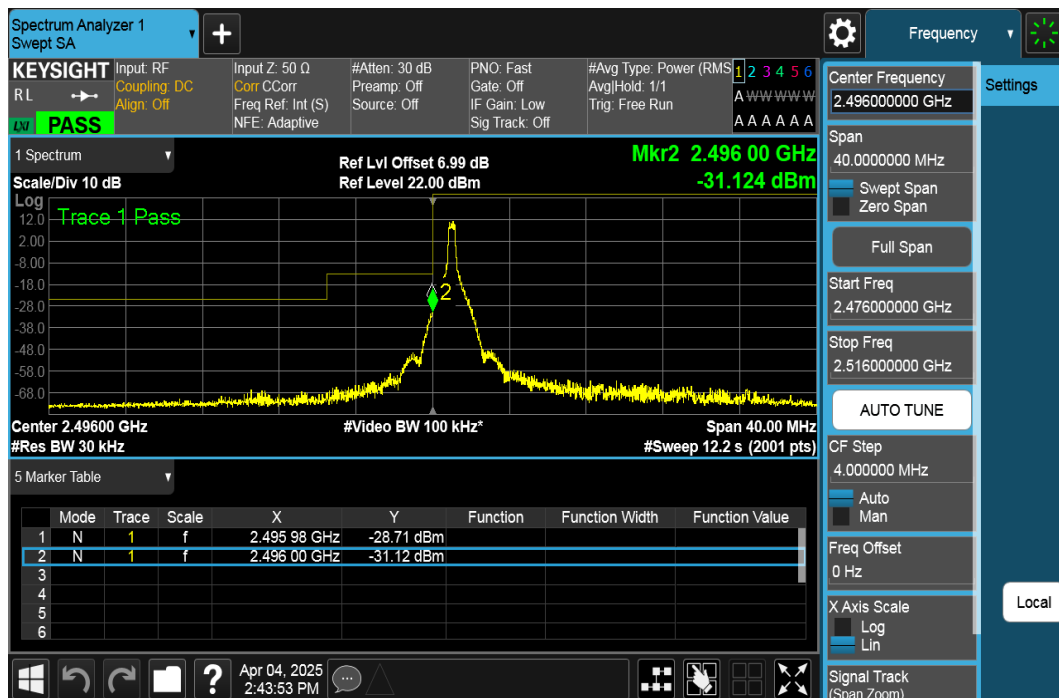
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N41-20M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



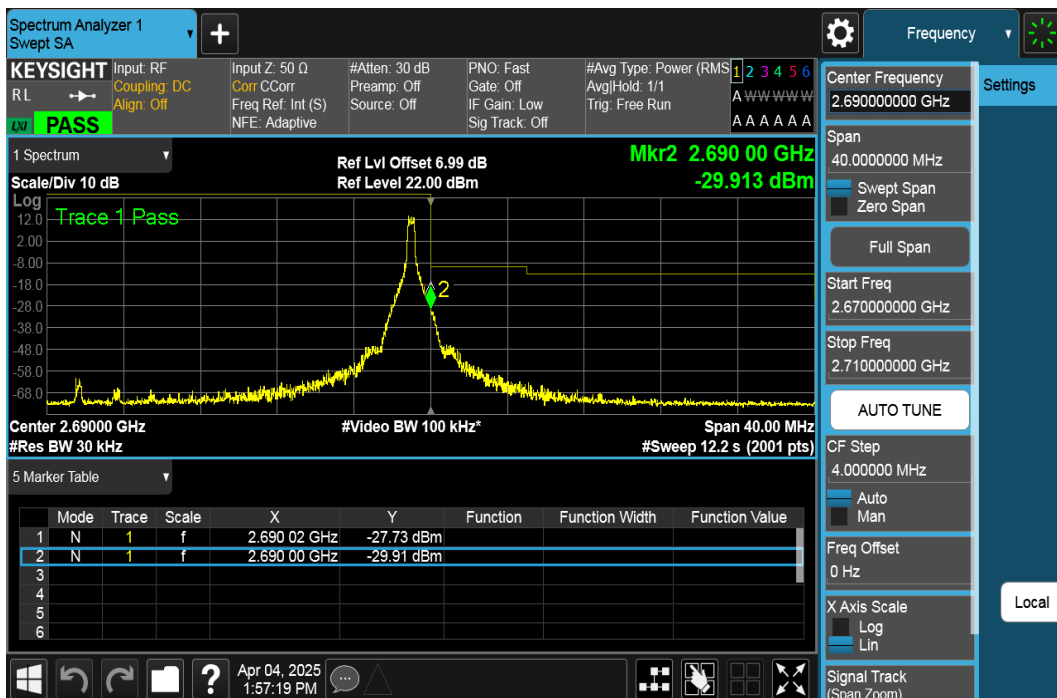
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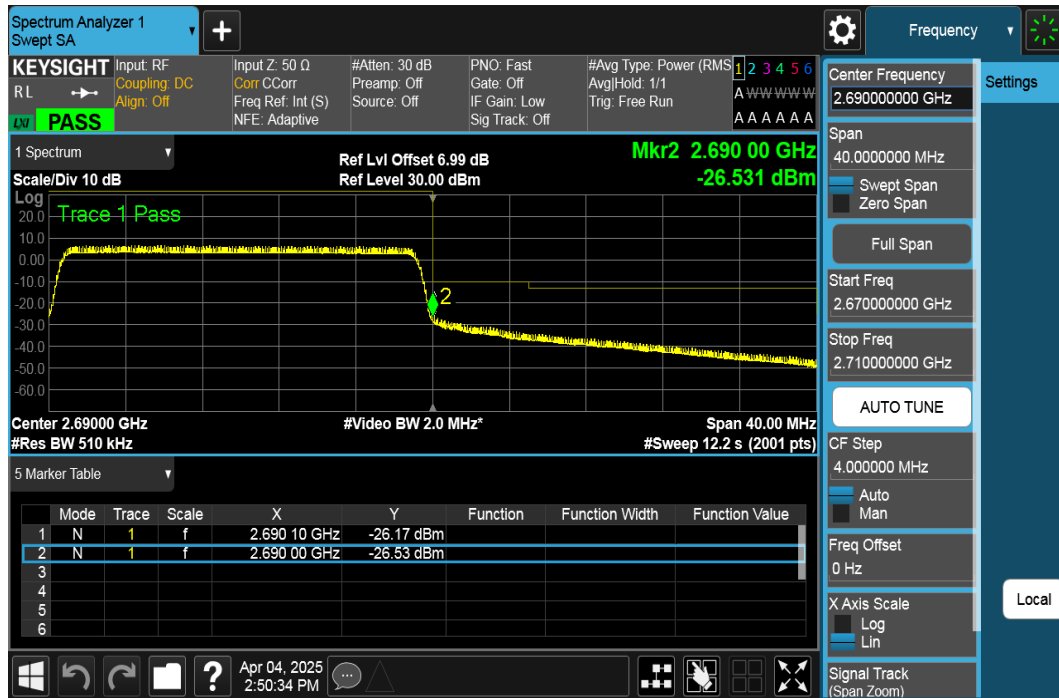
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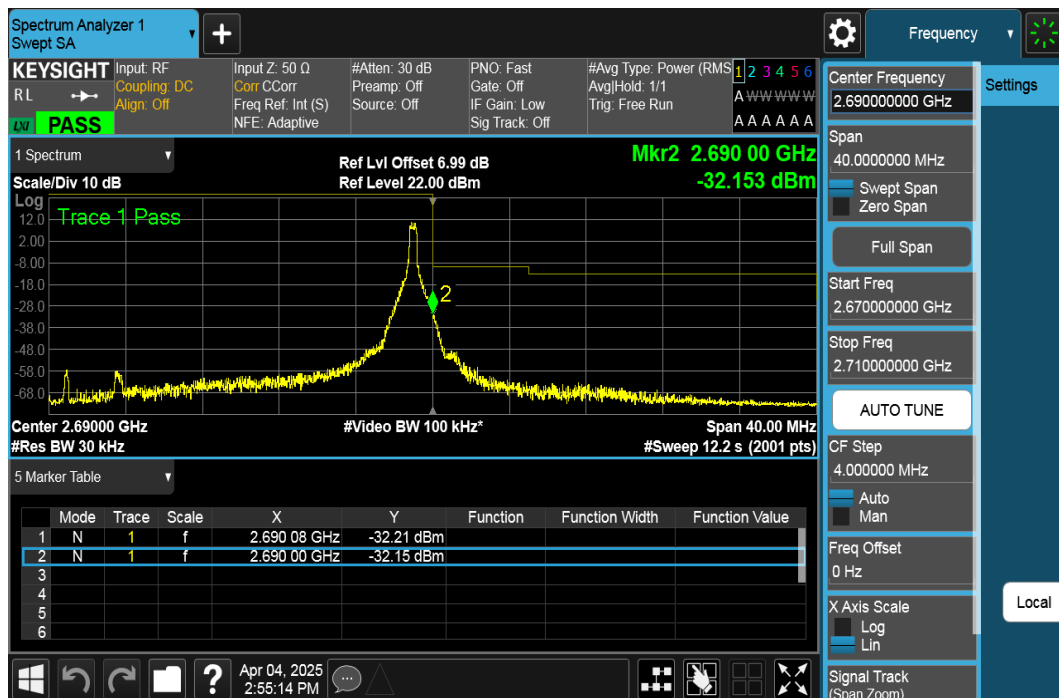
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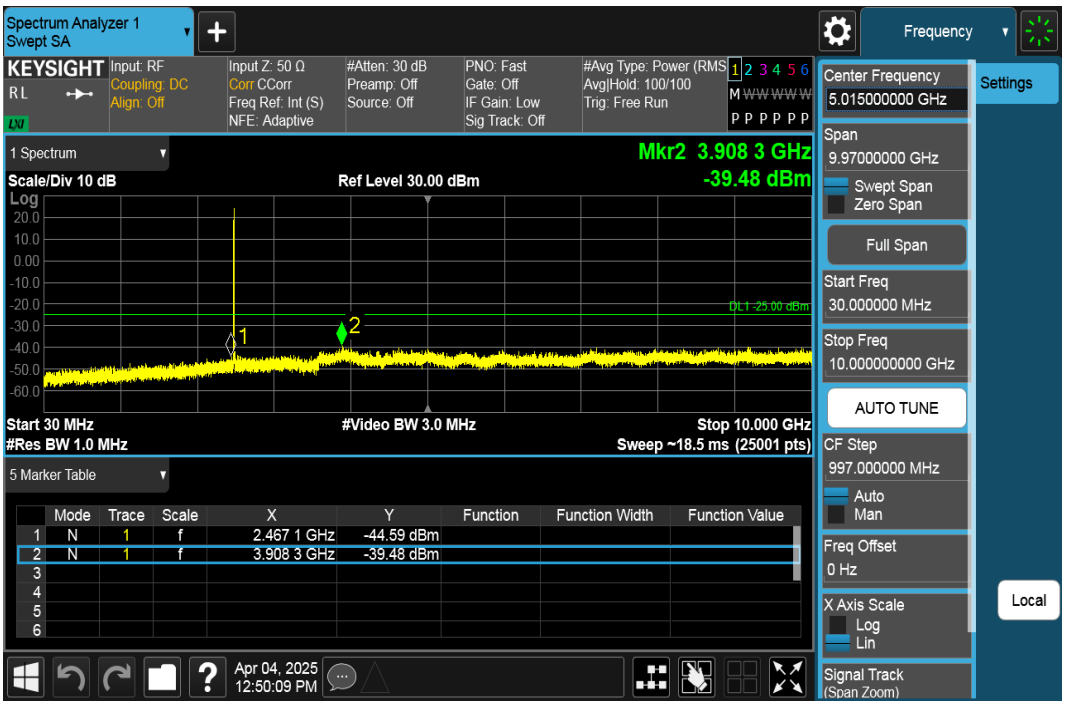
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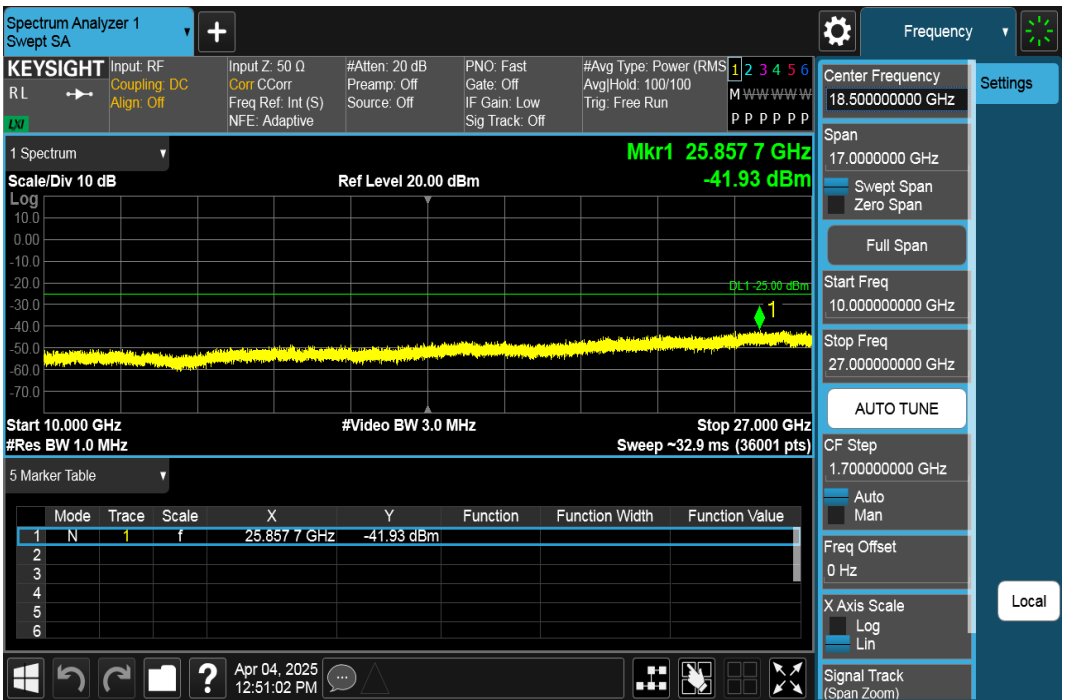
Conducted spurious emissions

test graph

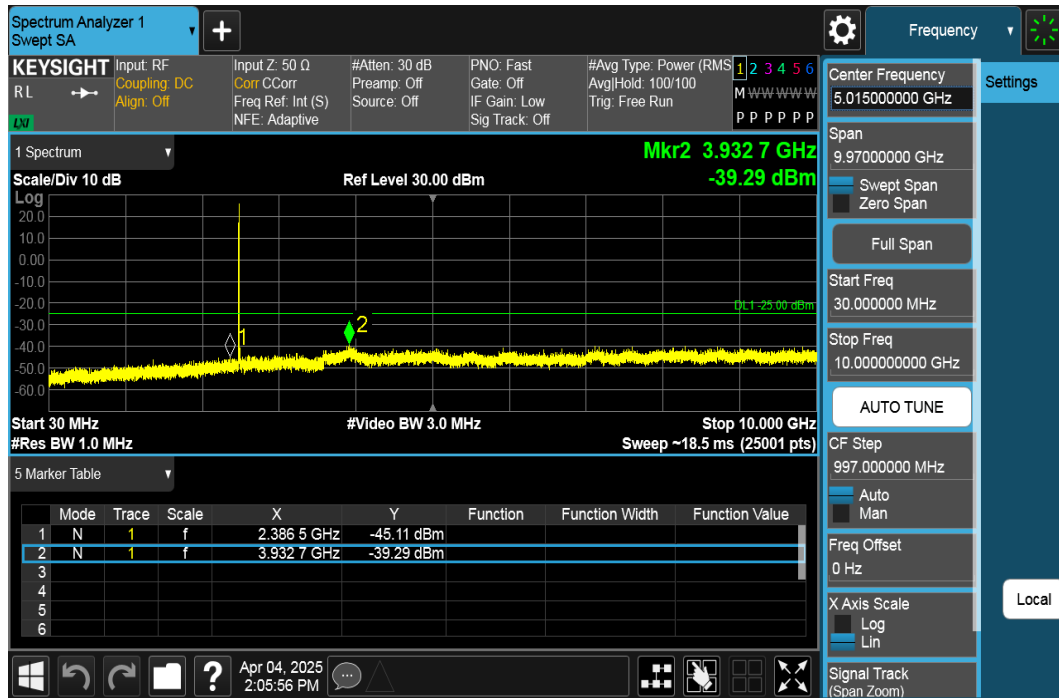
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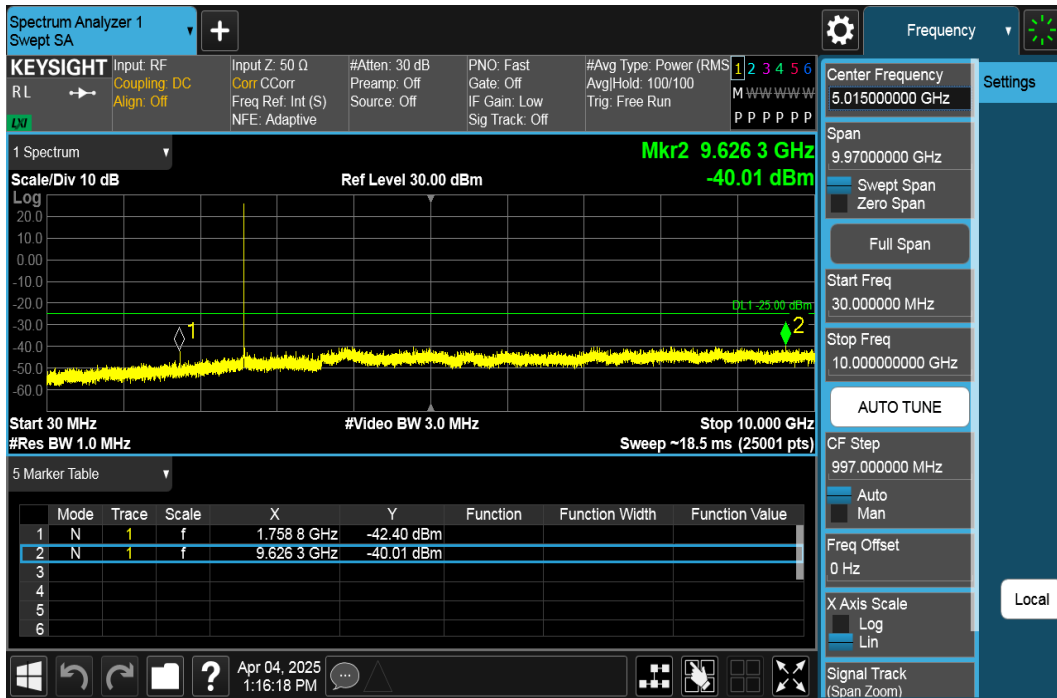
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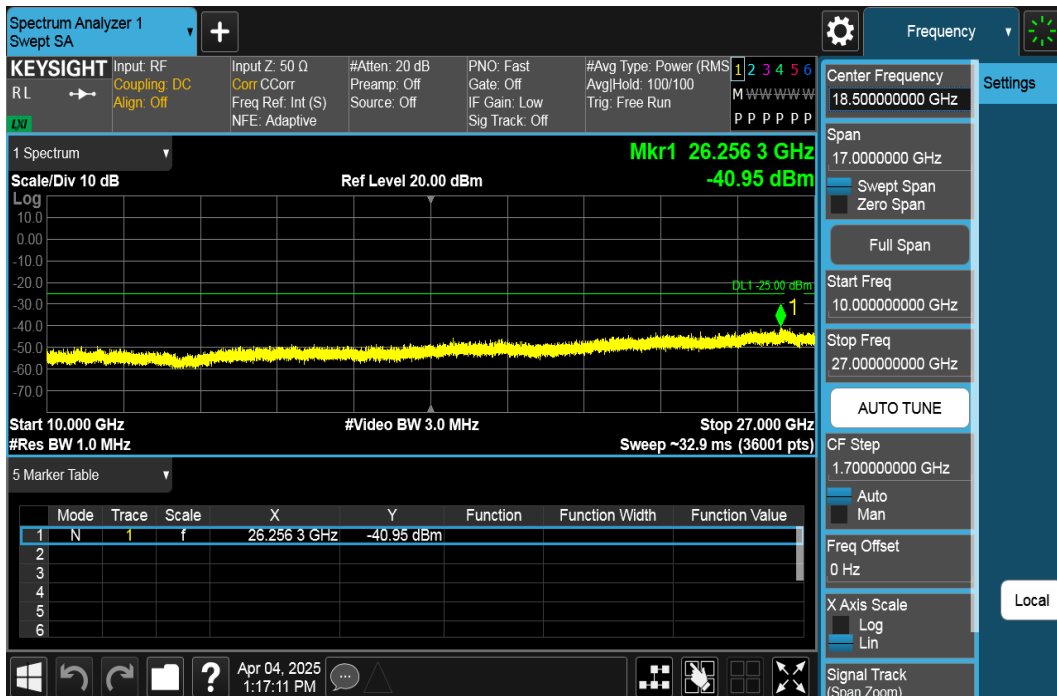
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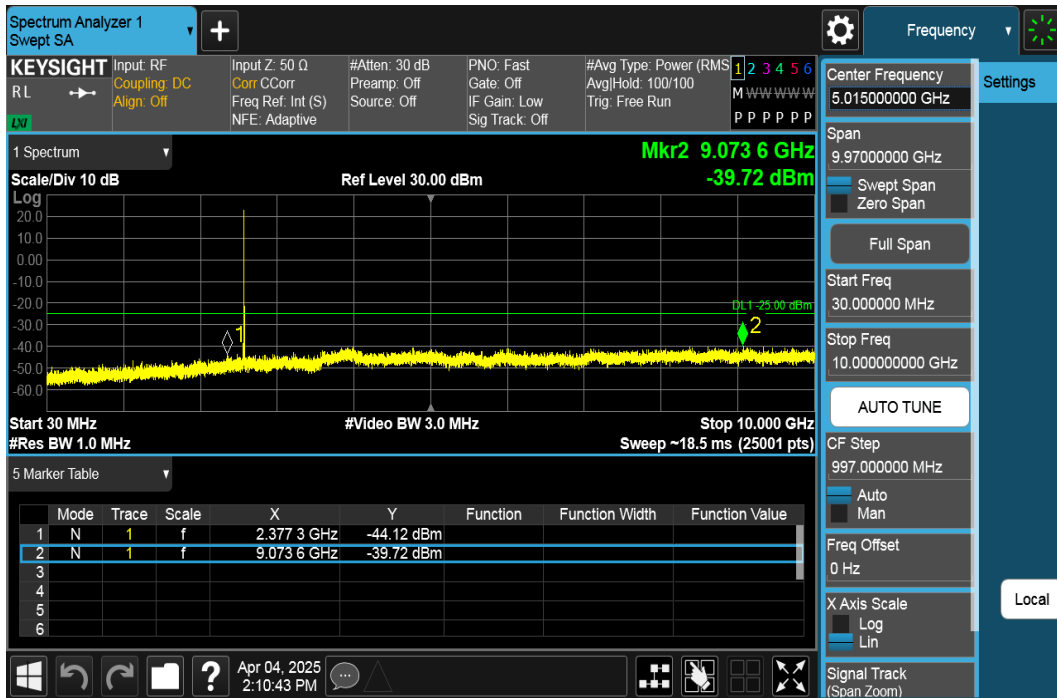
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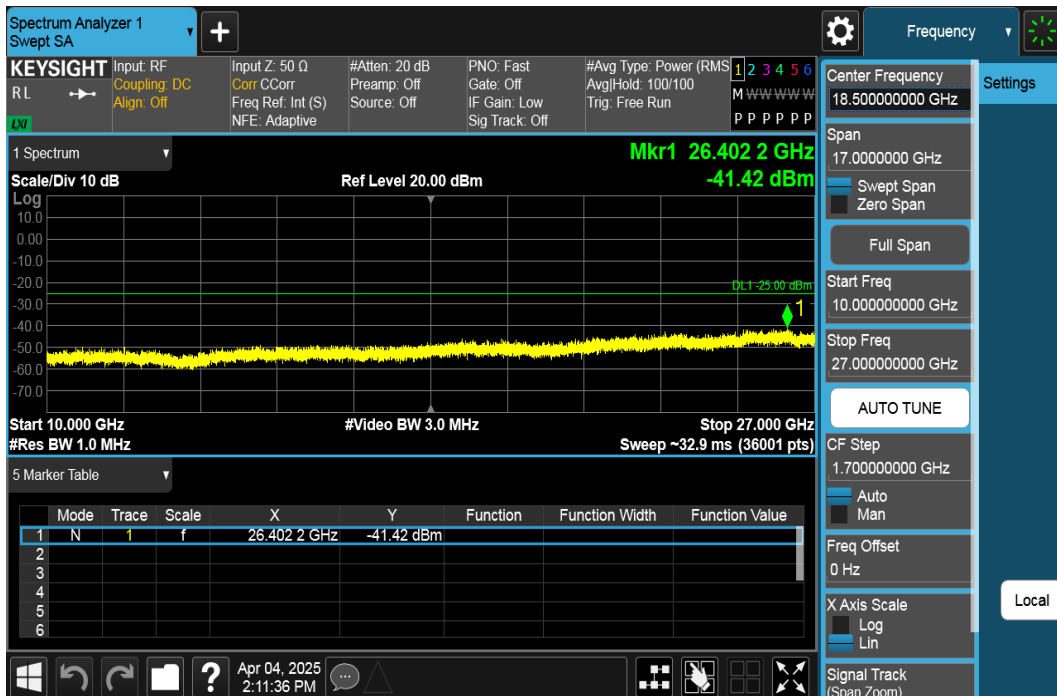
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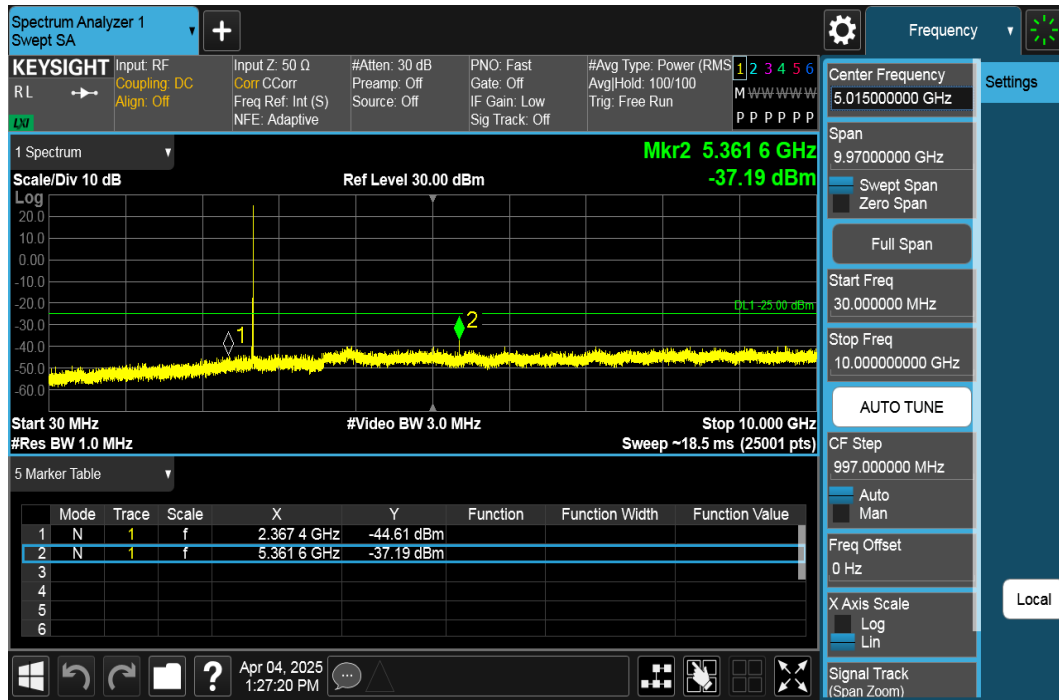
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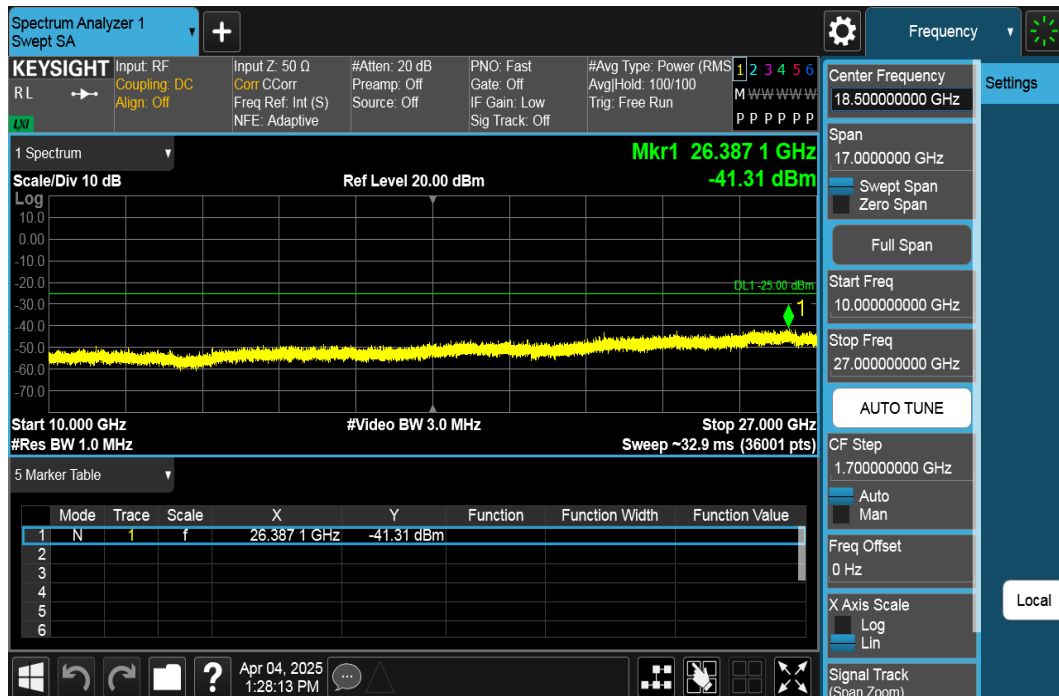
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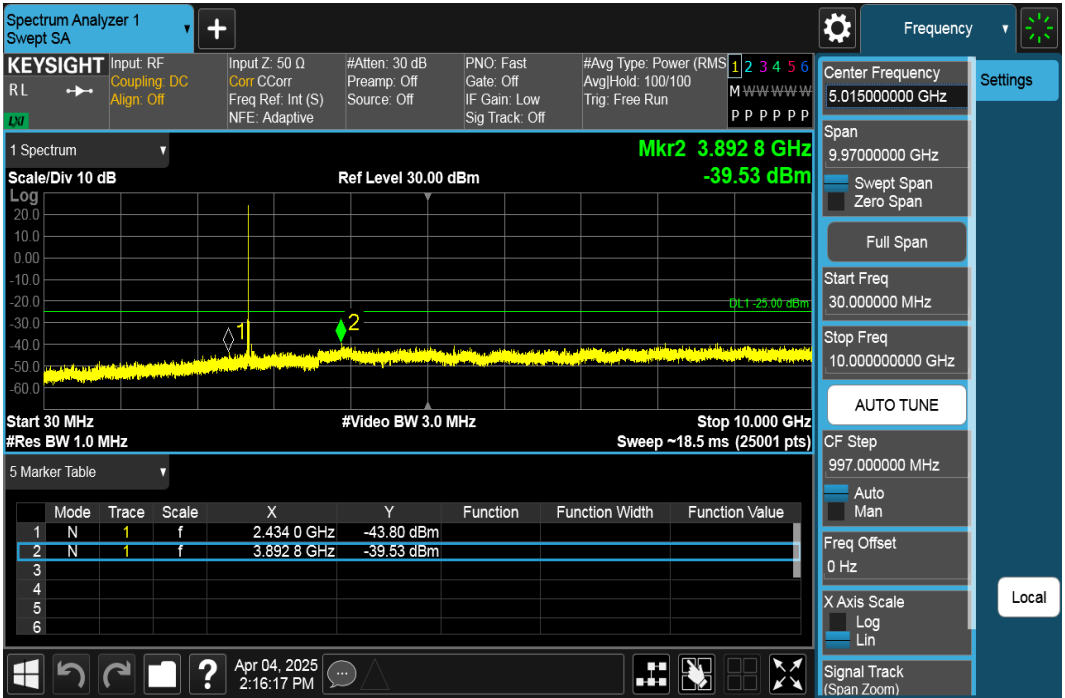
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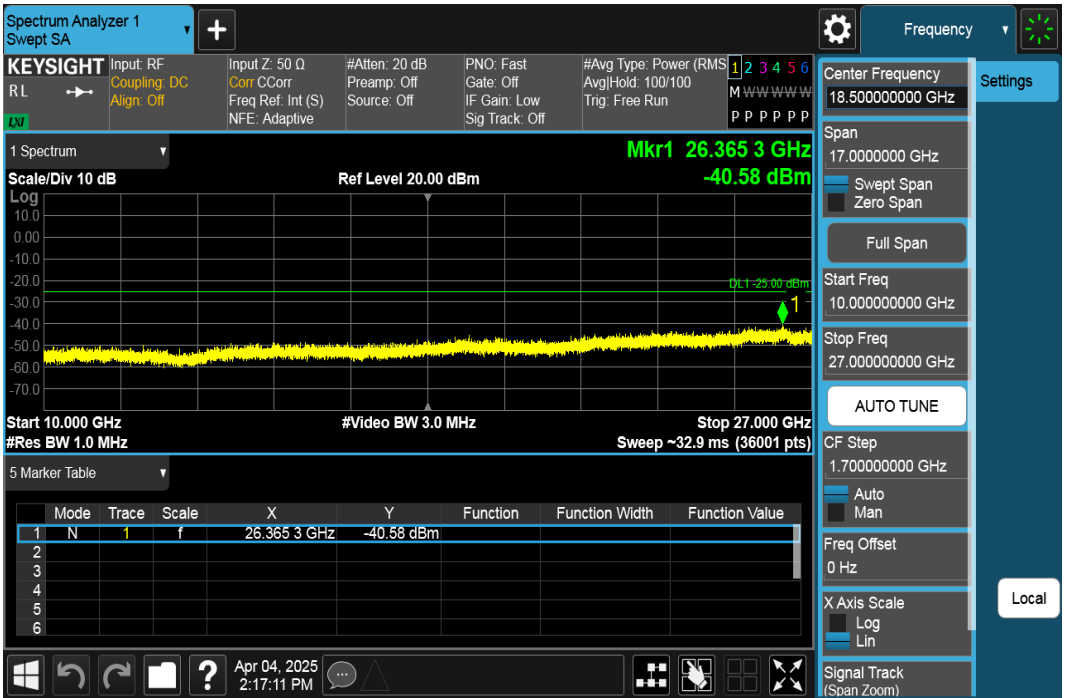
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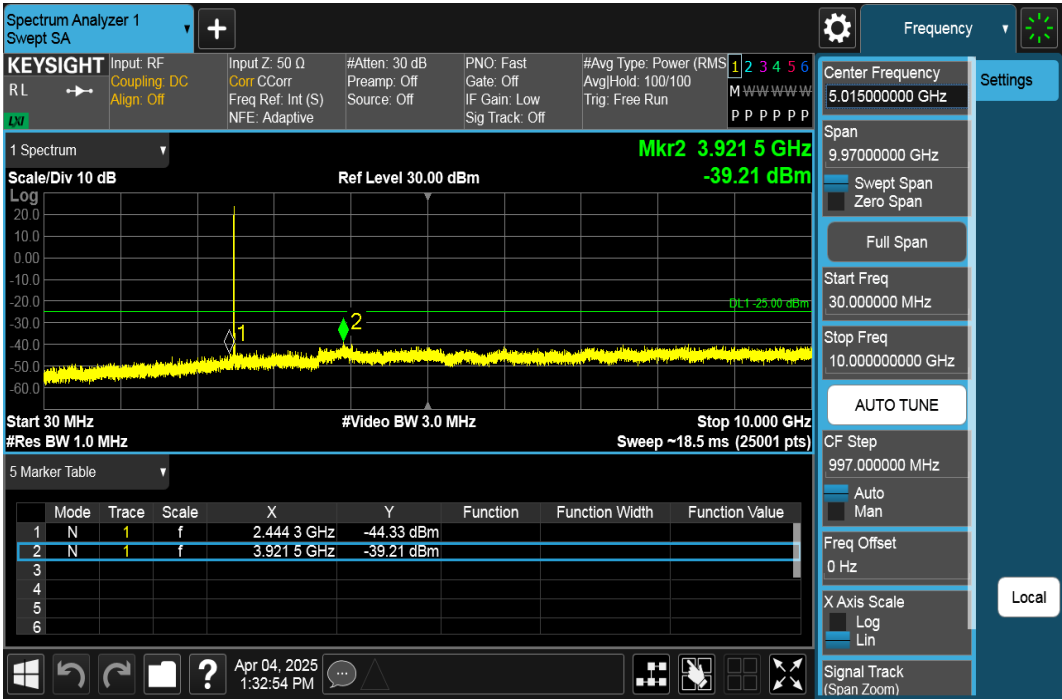
N41-10M-CSE-HCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N41-10M-CSE-HCH-CP-OFDM-QPSK-1RB0-10GHz-27GHz



N41-15M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N41-15M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-27GHz

