

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	8.6148	9.725	/	Pass
CP-OFDM QPSK		Outer_Full	8.6044	9.738	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	8.6115	9.754	/	Pass
CP-OFDM QPSK		Outer_Full	8.6061	10.06	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.6081	9.974	/	Pass
CP-OFDM QPSK		Outer_Full	8.6485	10.05	/	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	12.929	14.39	/	Pass
CP-OFDM QPSK		Outer_Full	13.638	15.15	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	12.957	14.58	/	Pass
CP-OFDM QPSK		Outer_Full	13.668	14.94	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	12.904	14.2	/	Pass
CP-OFDM QPSK		Outer_Full	13.672	15.15	/	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	17.877	19.12	/	Pass
CP-OFDM QPSK		Outer_Full	18.265	19.66	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	17.835	19.34	/	Pass
CP-OFDM QPSK		Outer_Full	18.234	19.52	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.9	18.88	/	Pass
CP-OFDM QPSK		Outer_Full	18.304	19.62	/	Pass

Peak-Average Ratio

Test Result

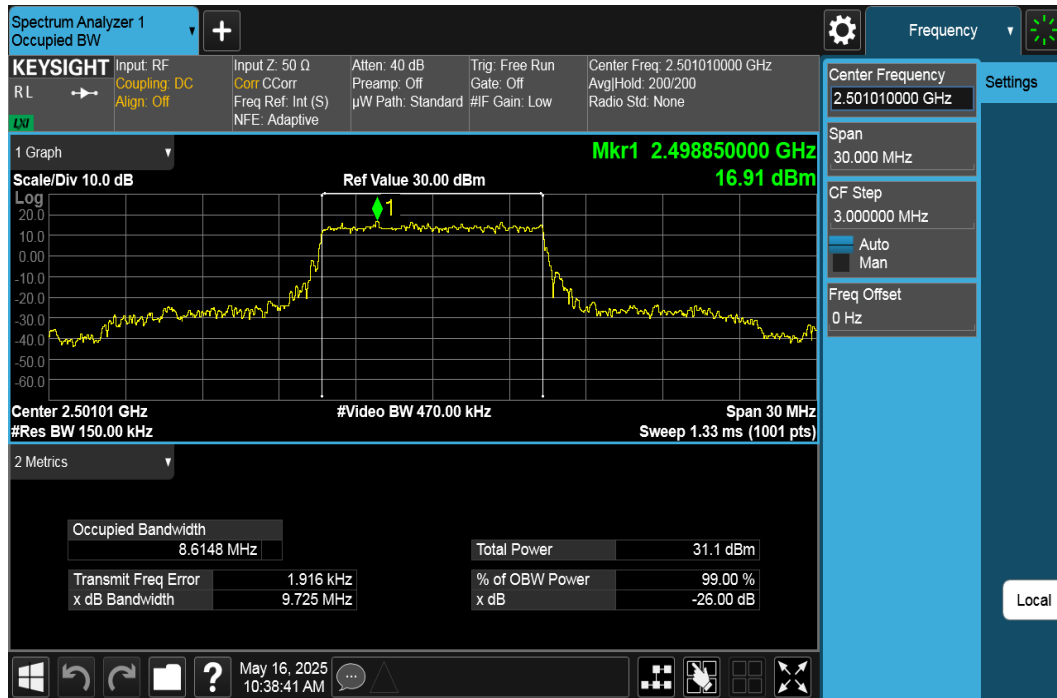
5G NR N41 SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.64	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.36	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.86	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.54	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.97	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.72	<=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	3.69	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.32	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.98	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.48	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.02	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.7	<=13	Pass

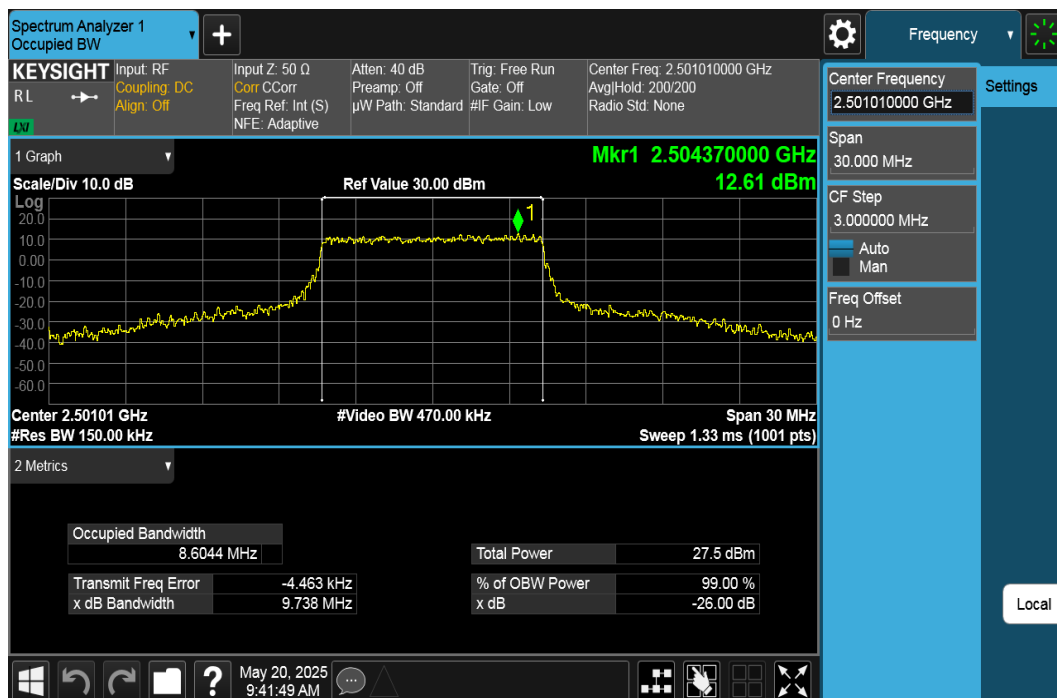
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Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.76	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.88	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.01	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.83	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.11	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.46	<=13	Pass

OBW test graph

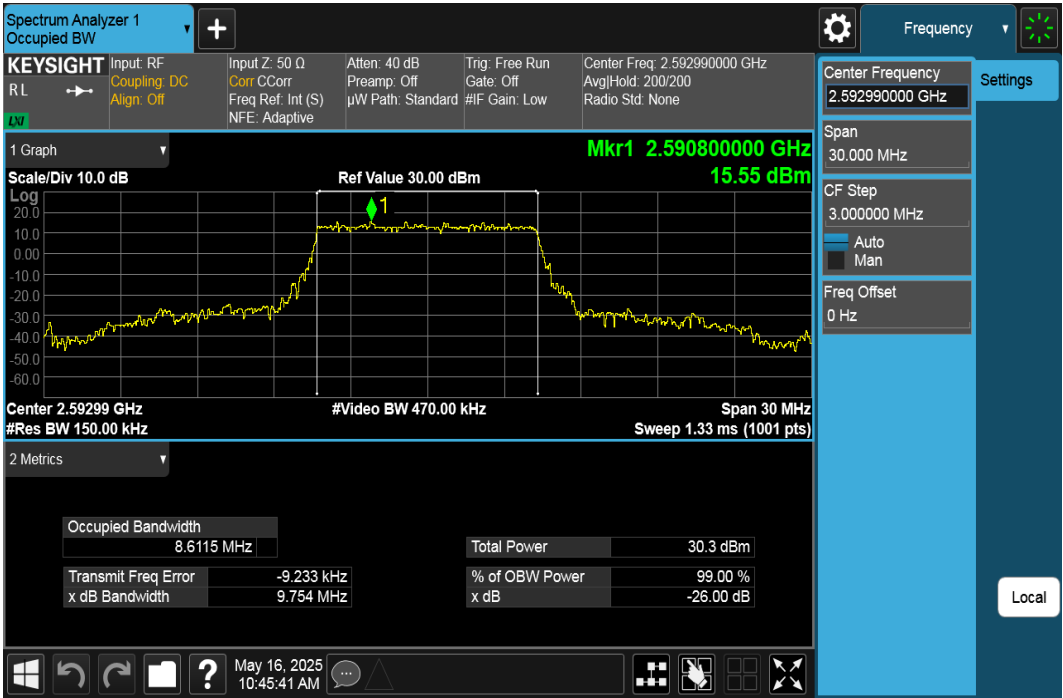
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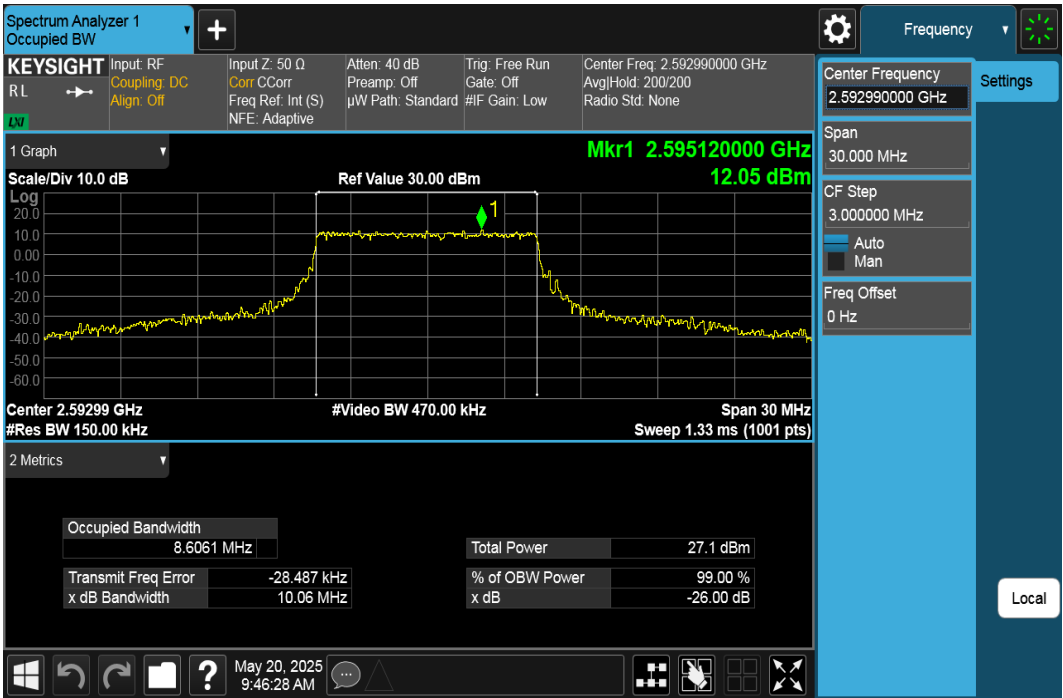
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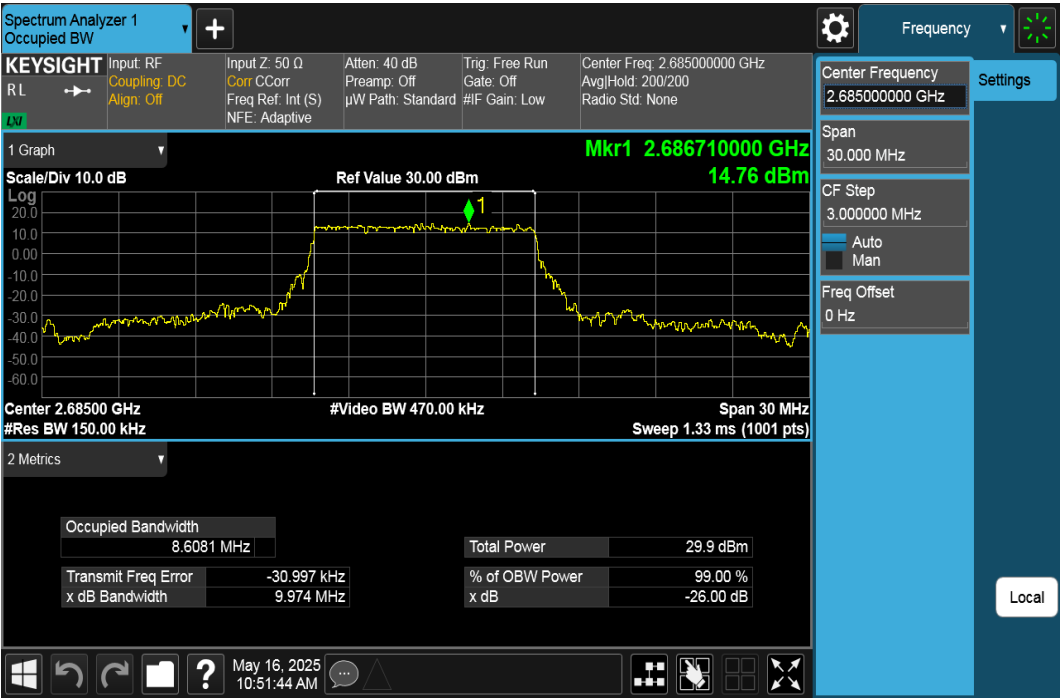
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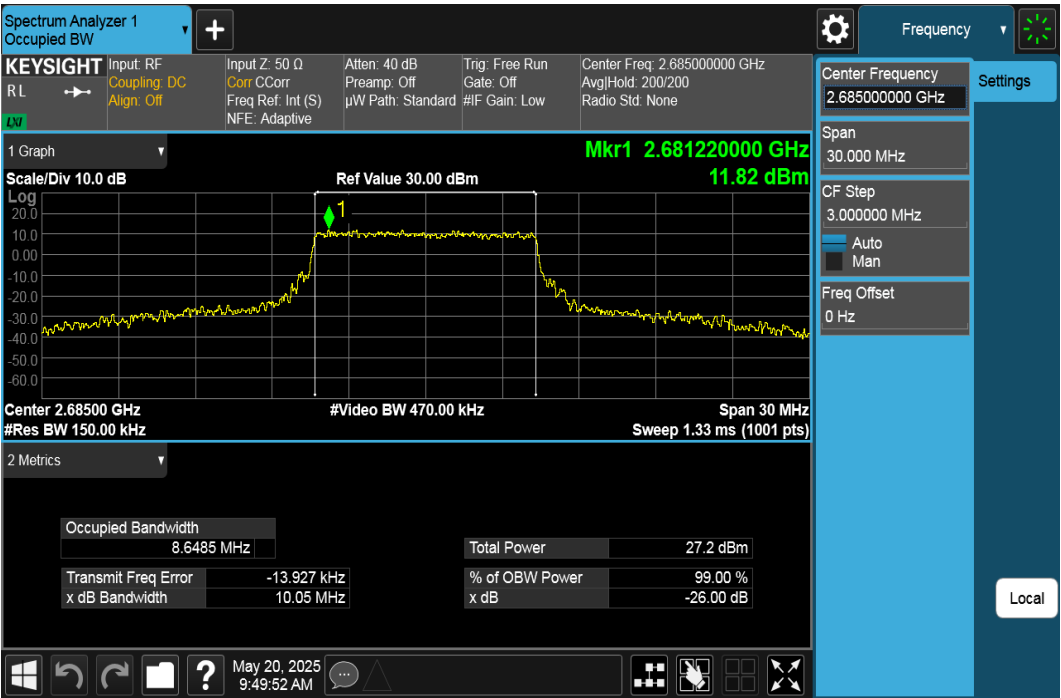
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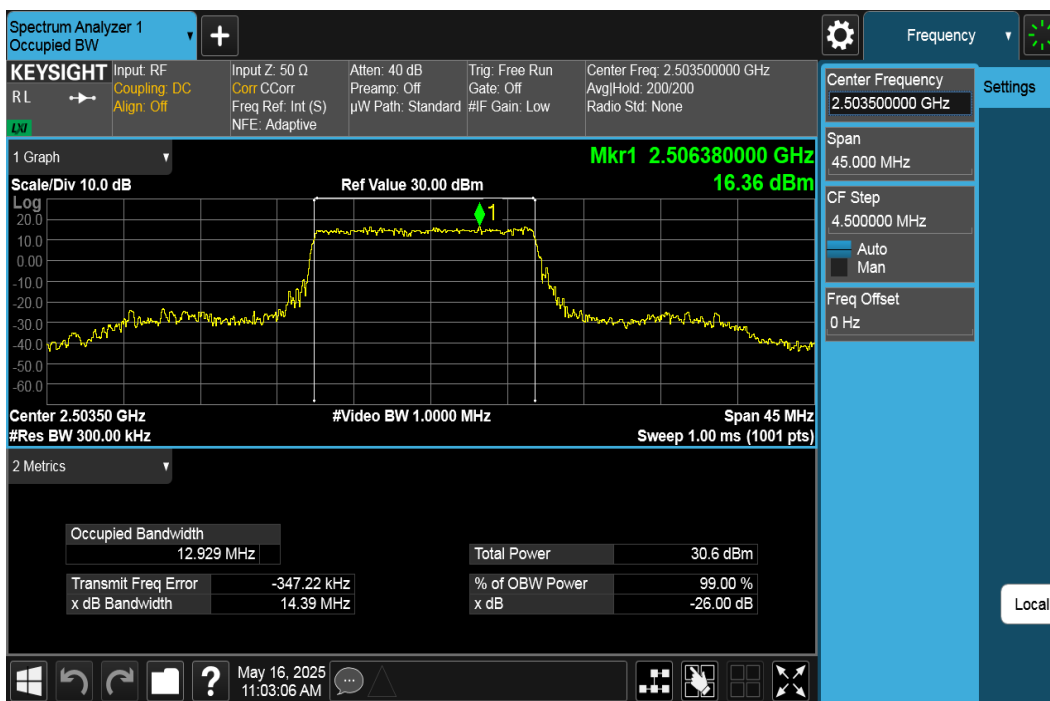
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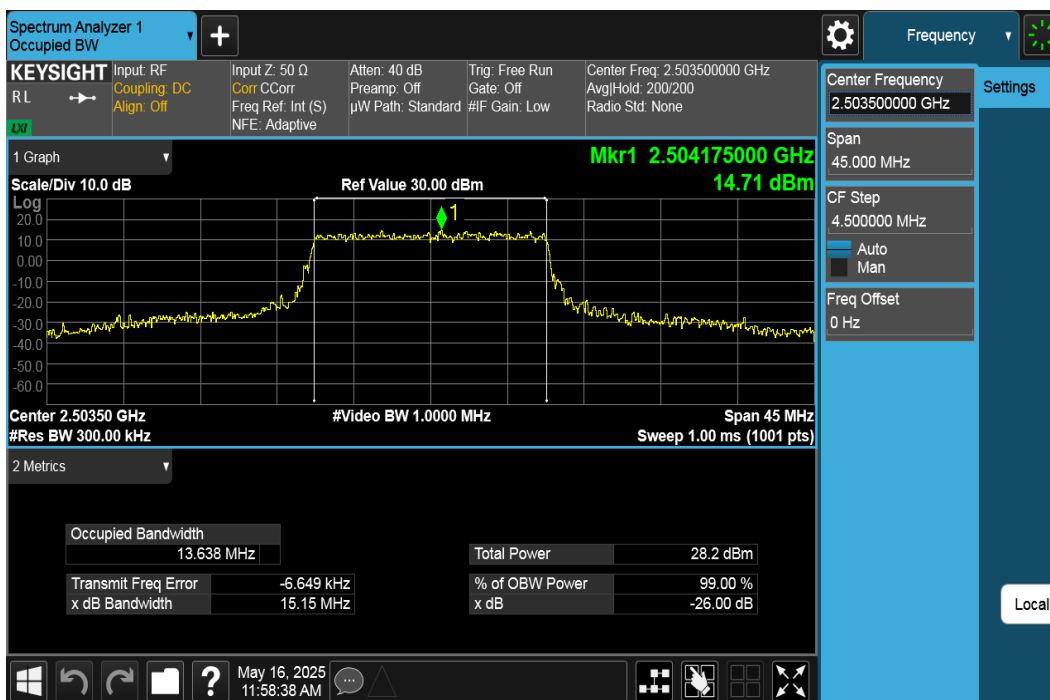
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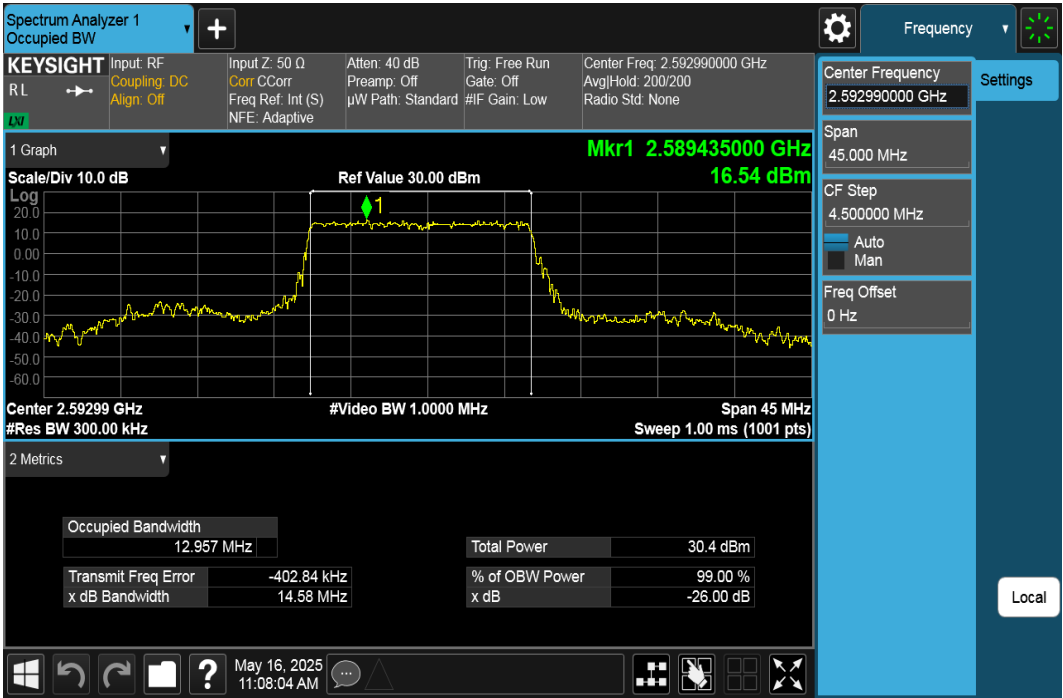
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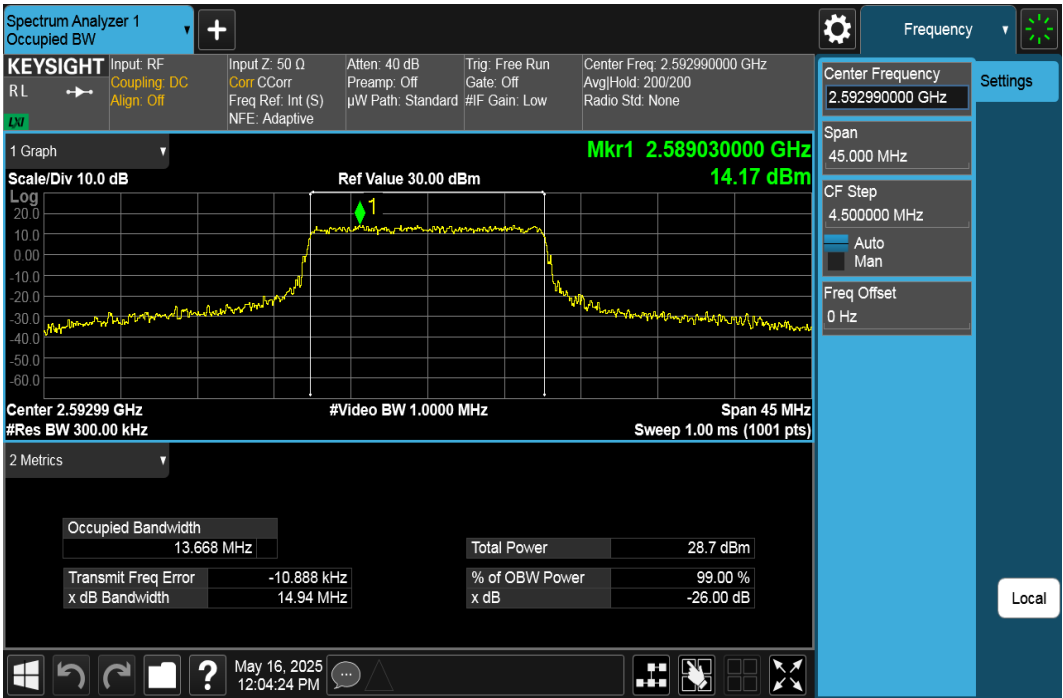
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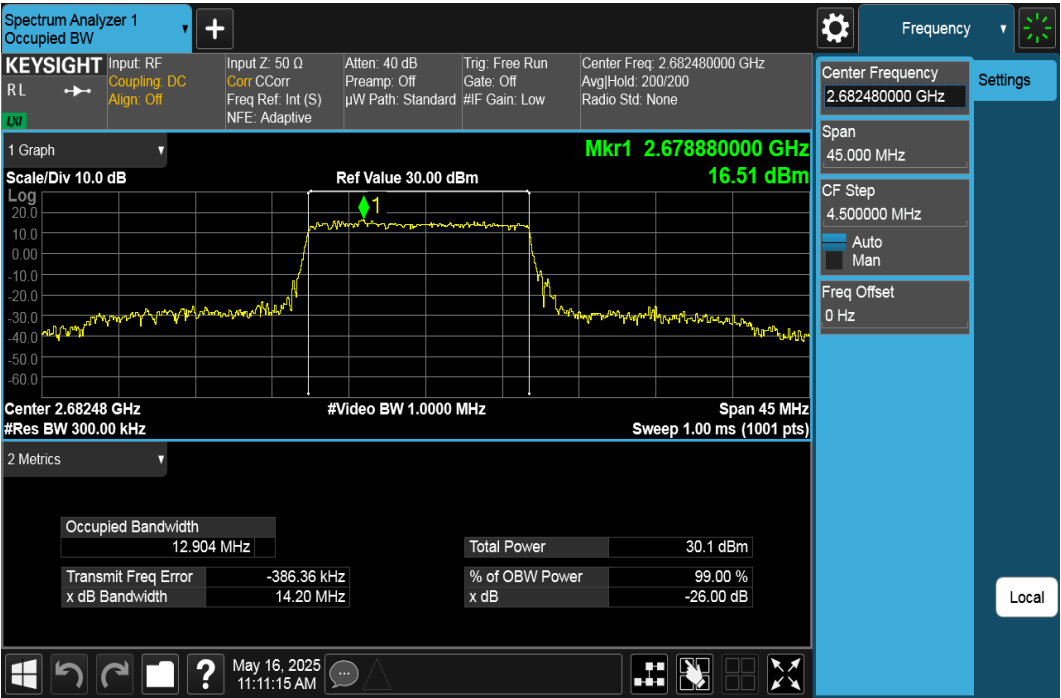
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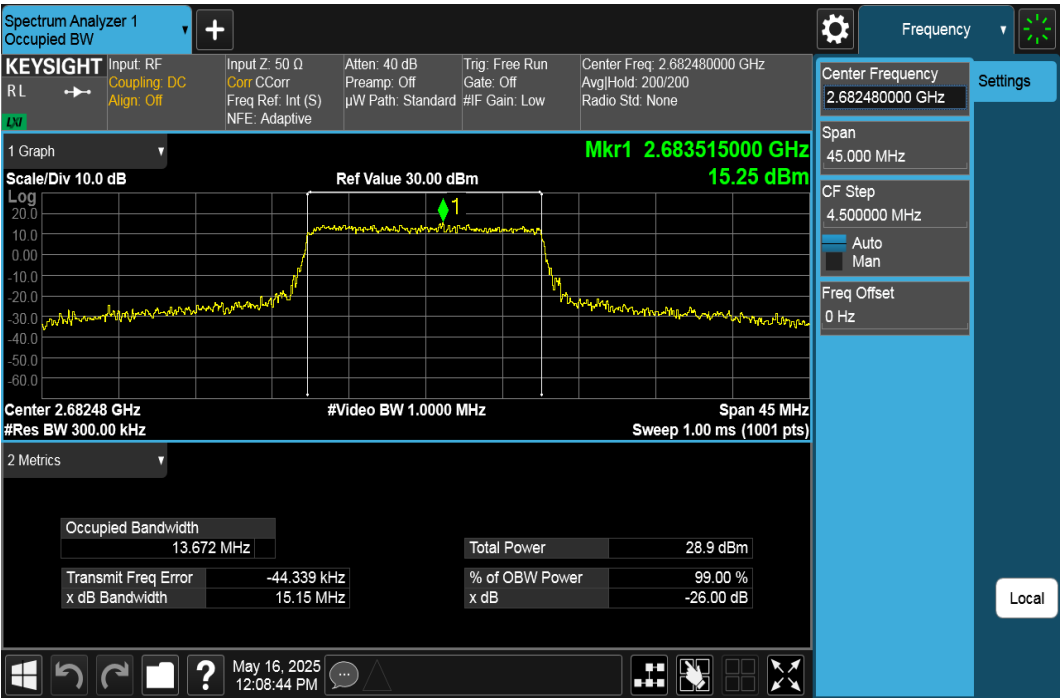
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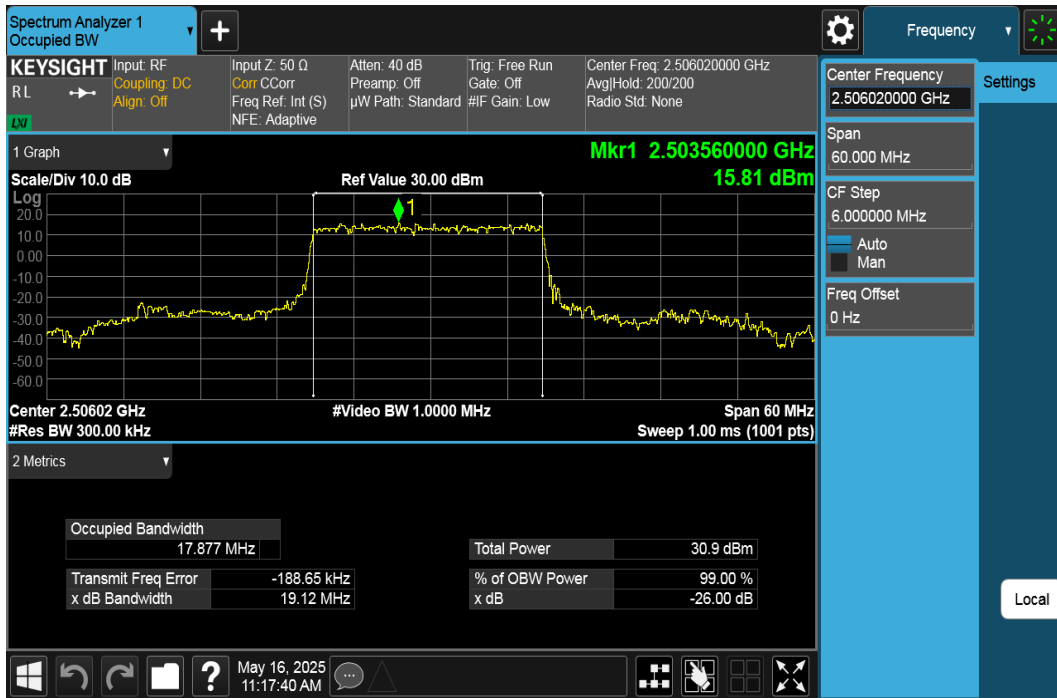
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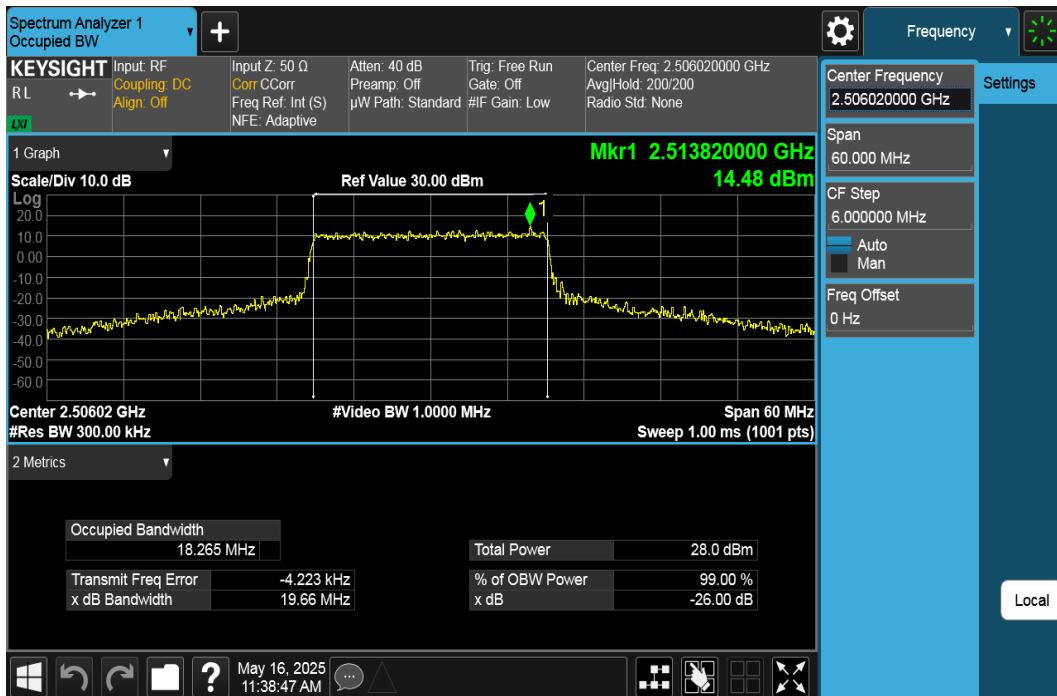
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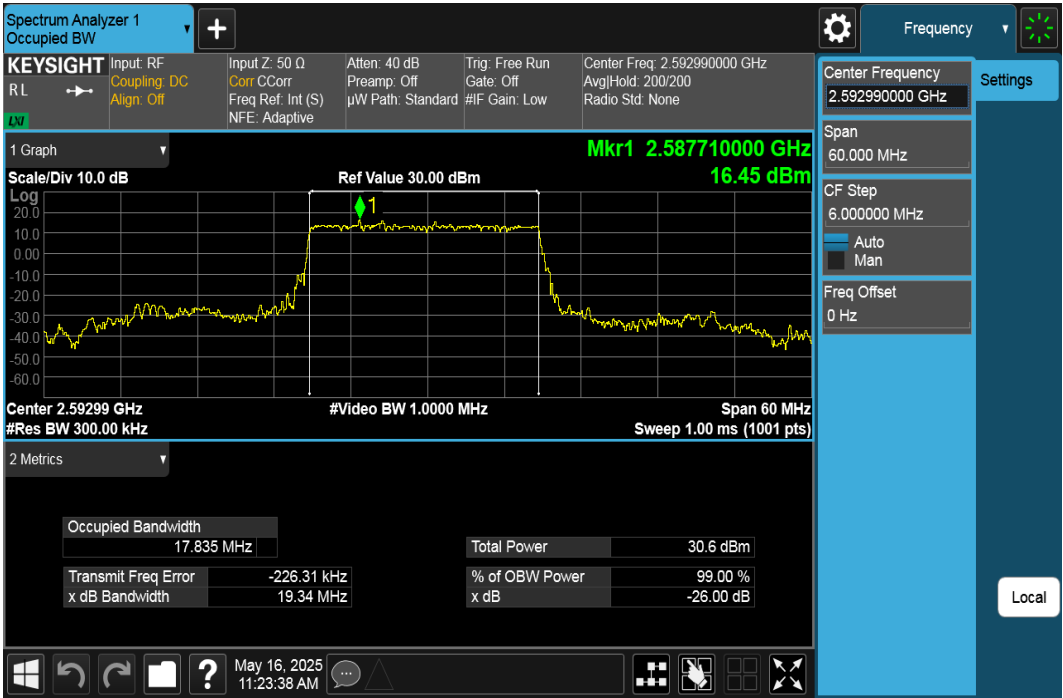
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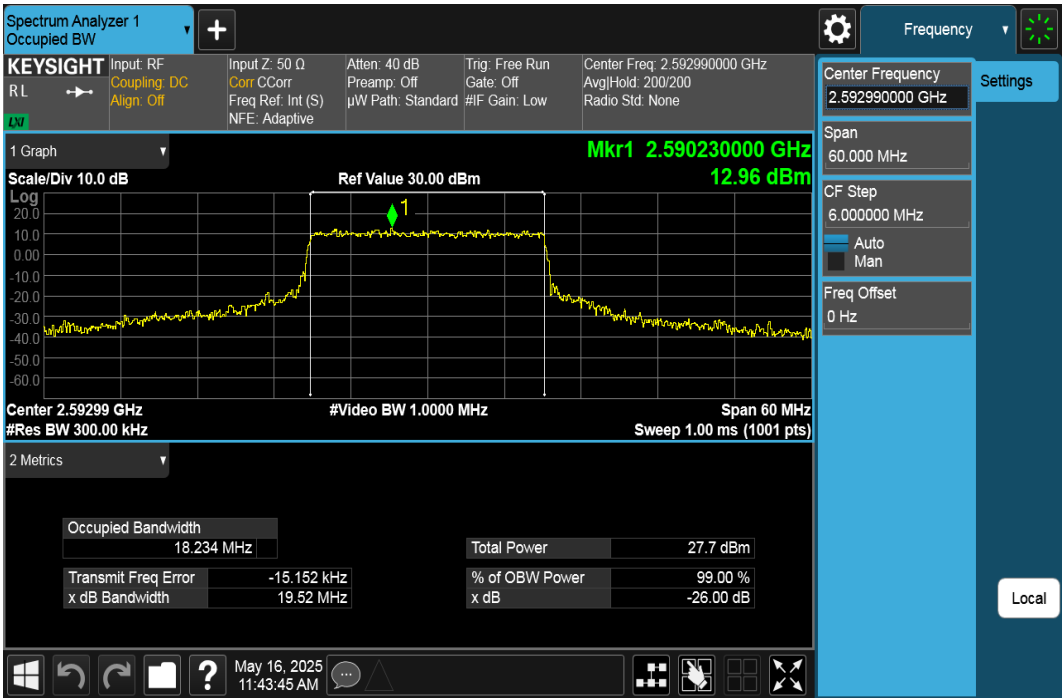
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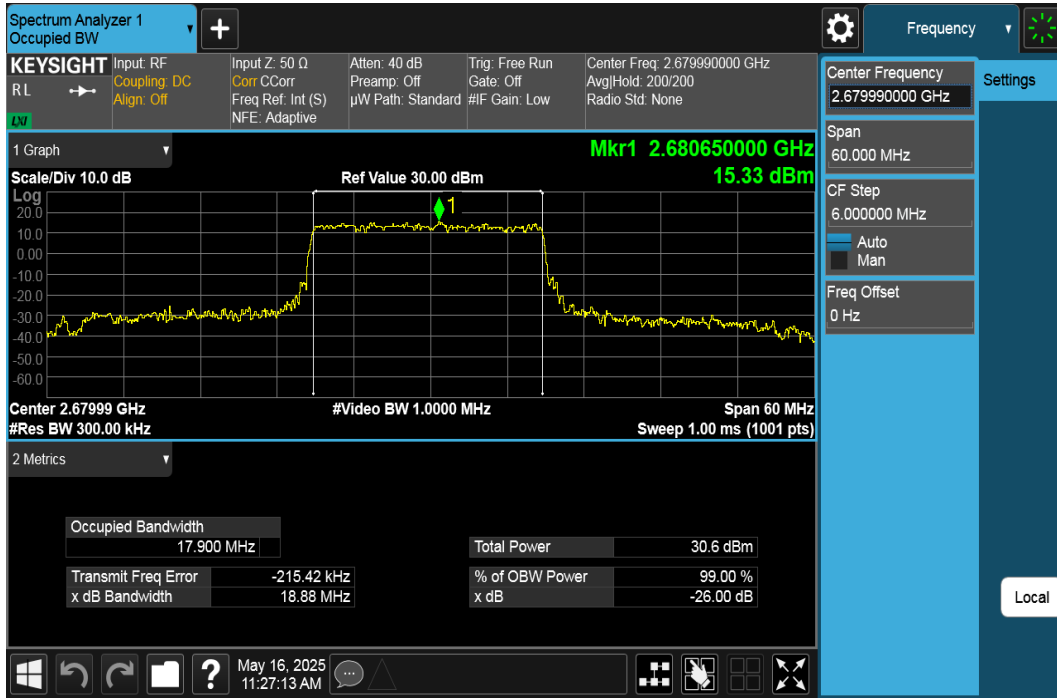
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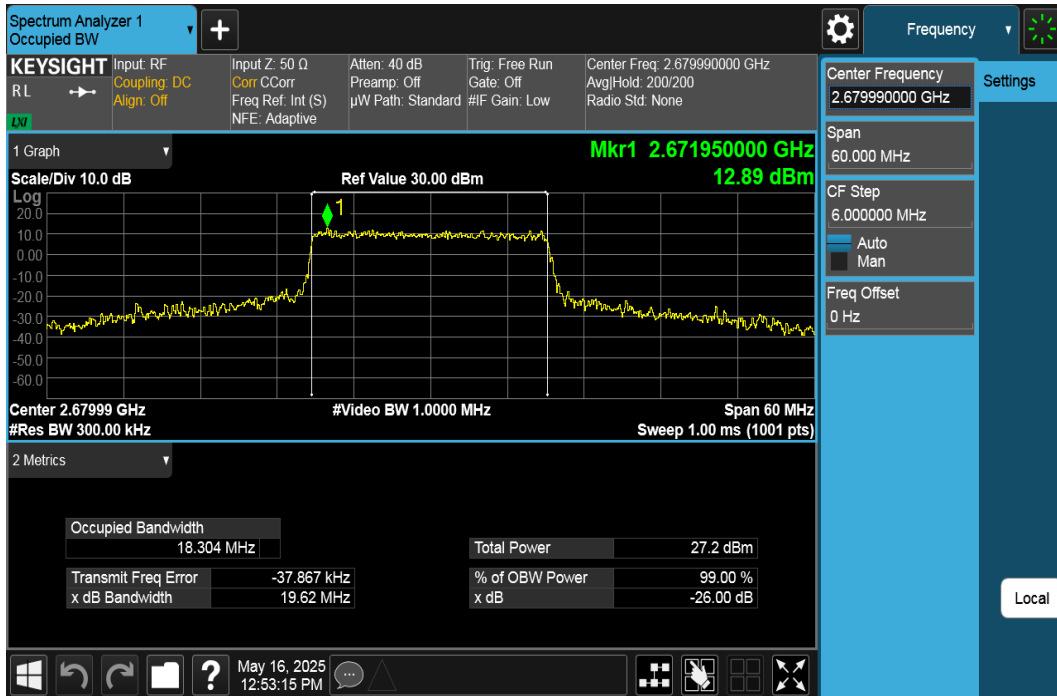
N41-20M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



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



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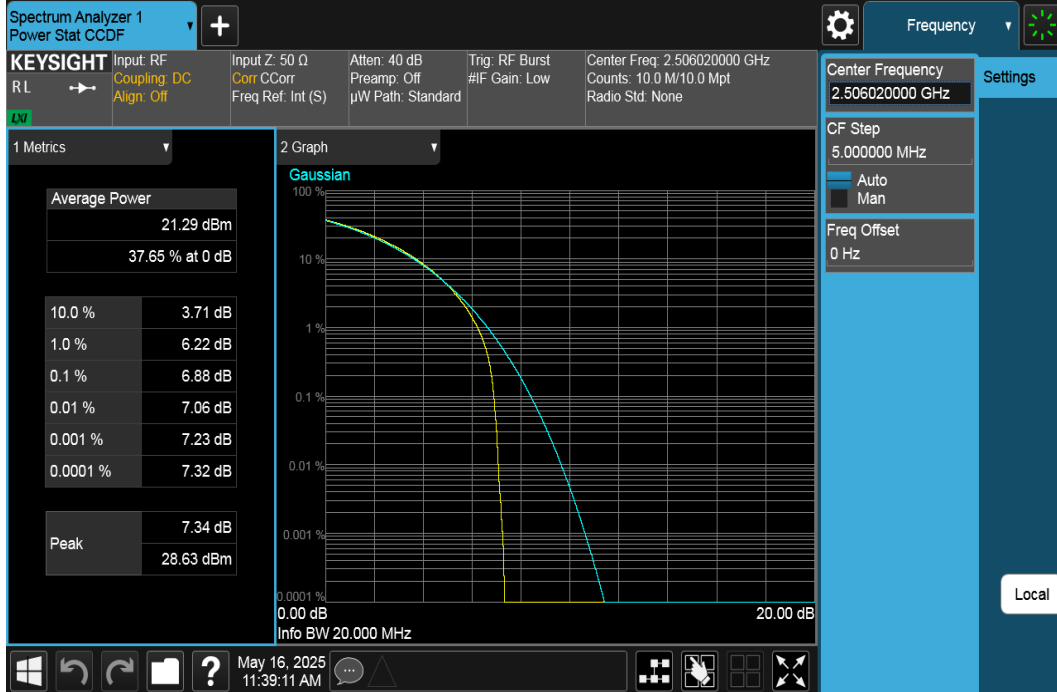
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N41-20M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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



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



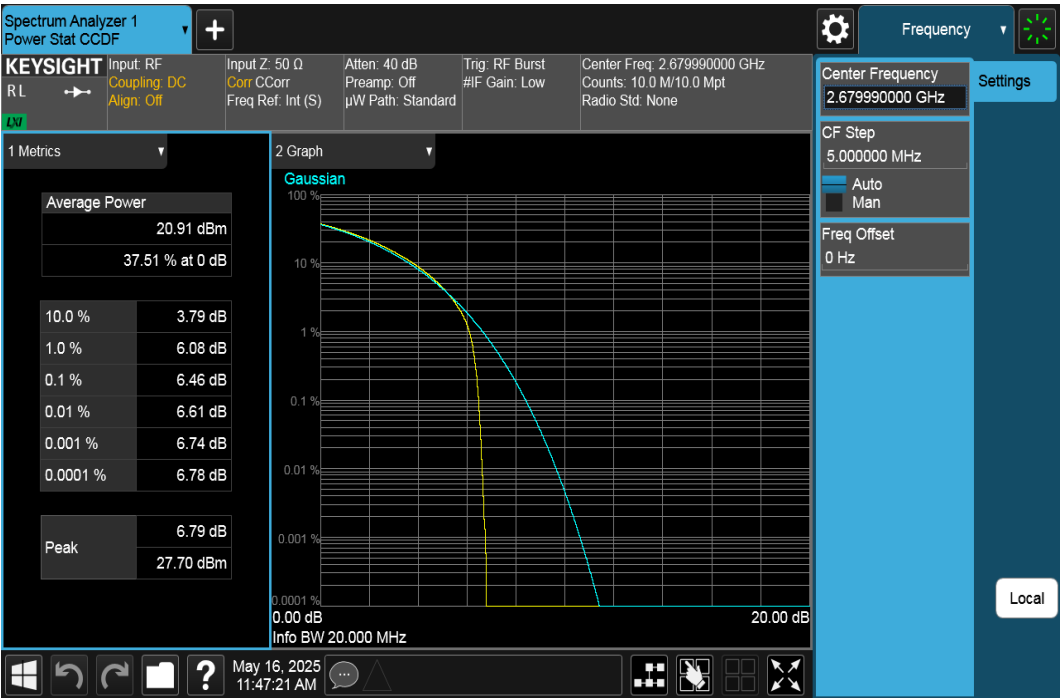
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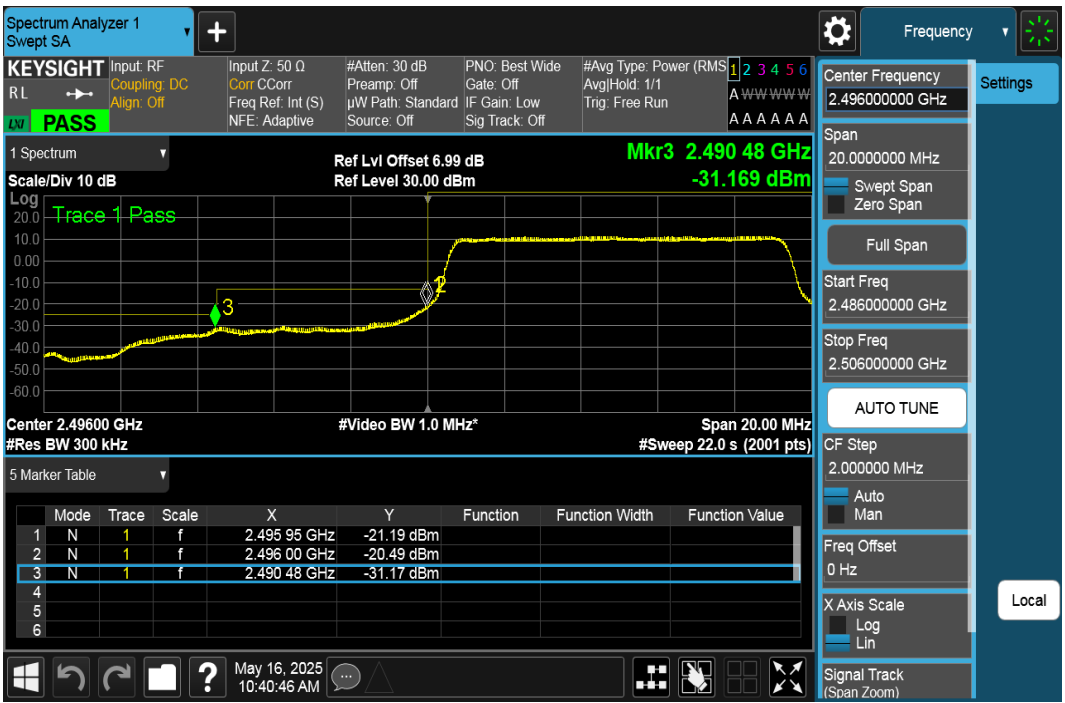
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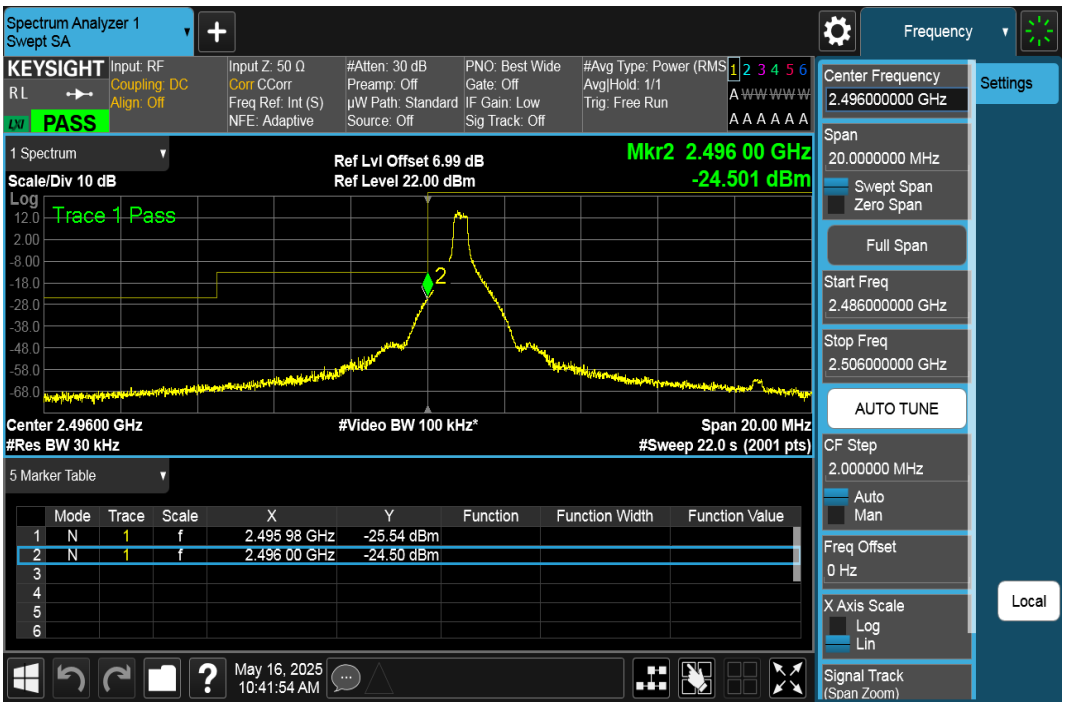
Bandedge

test graph

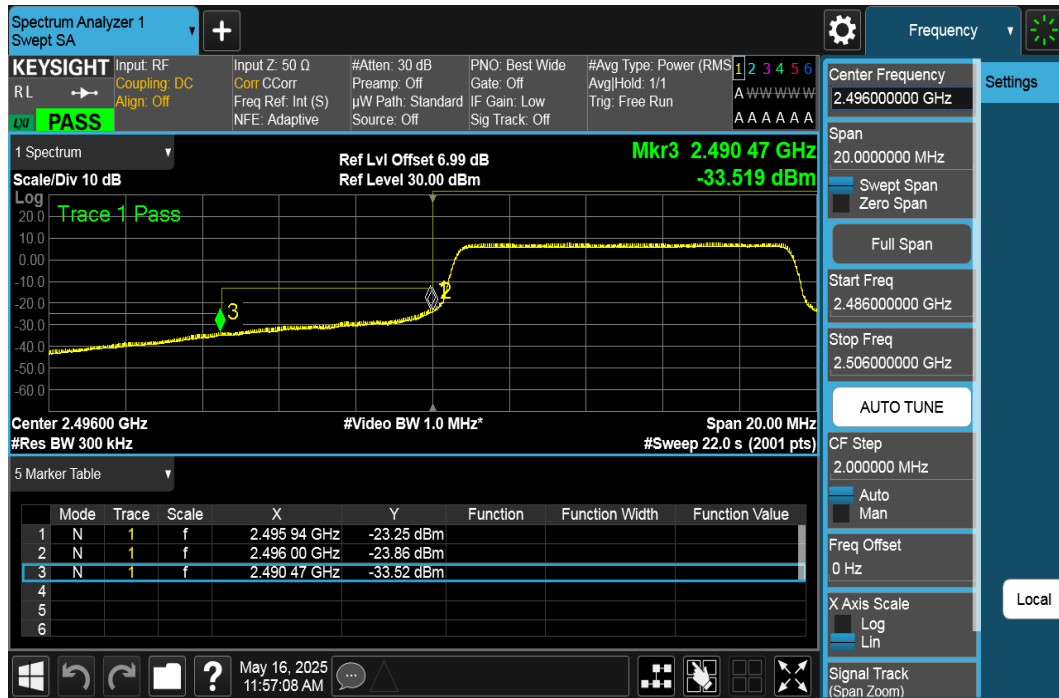
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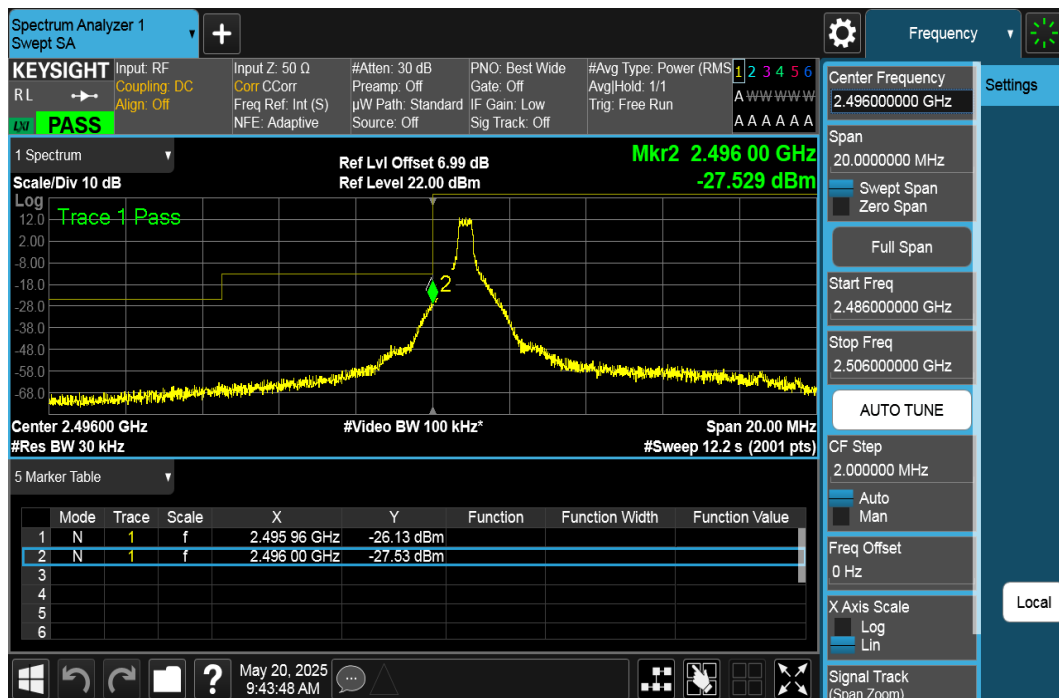
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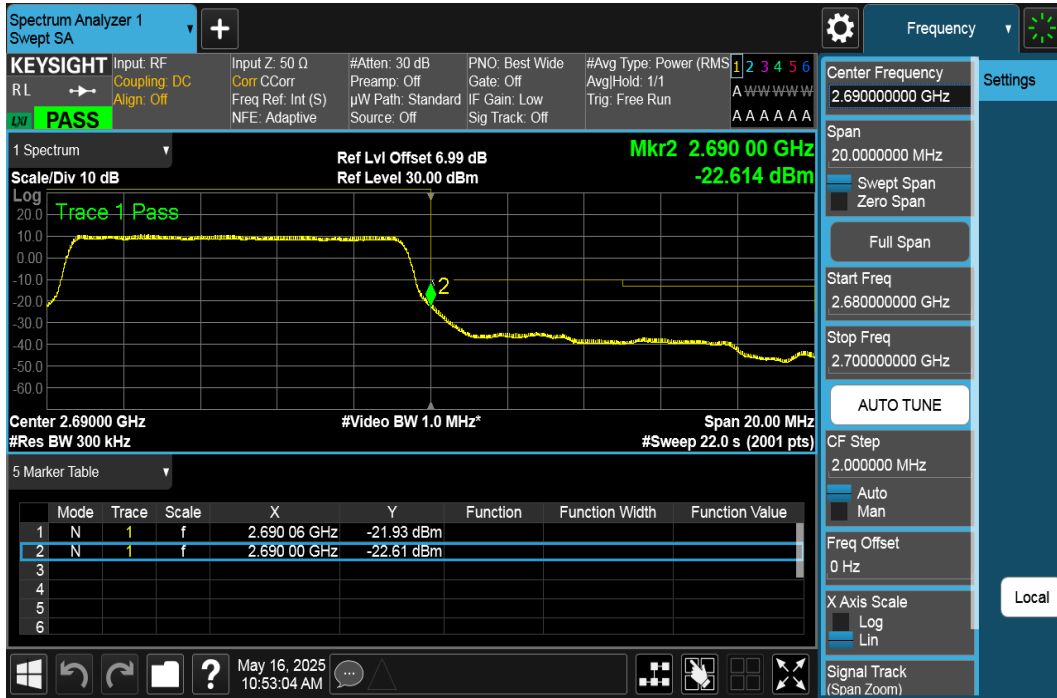
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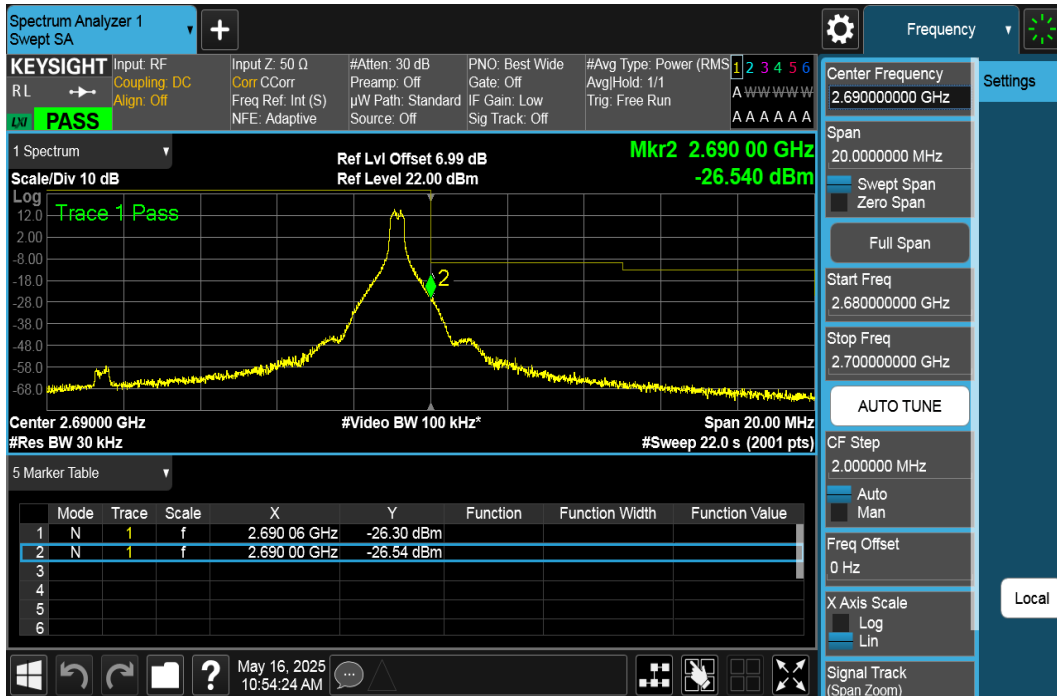
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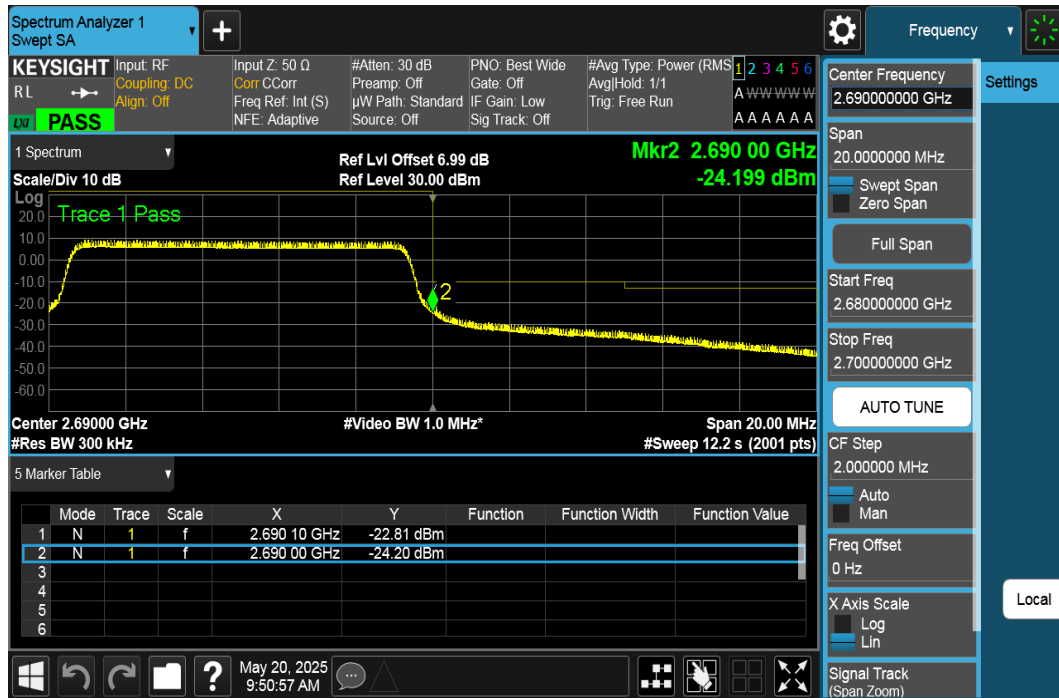
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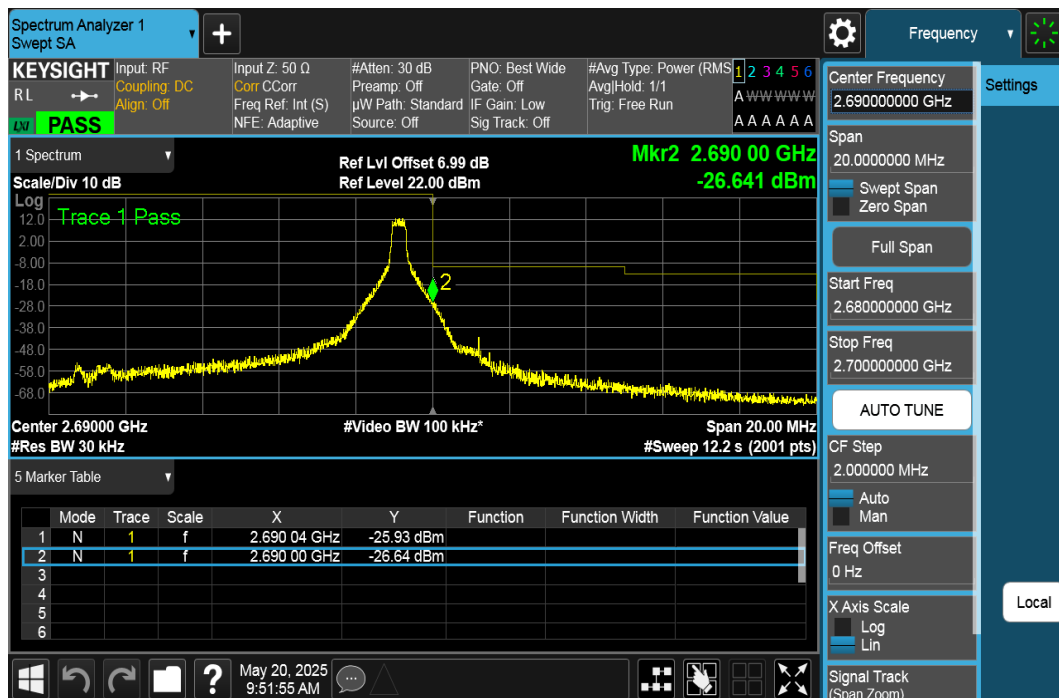
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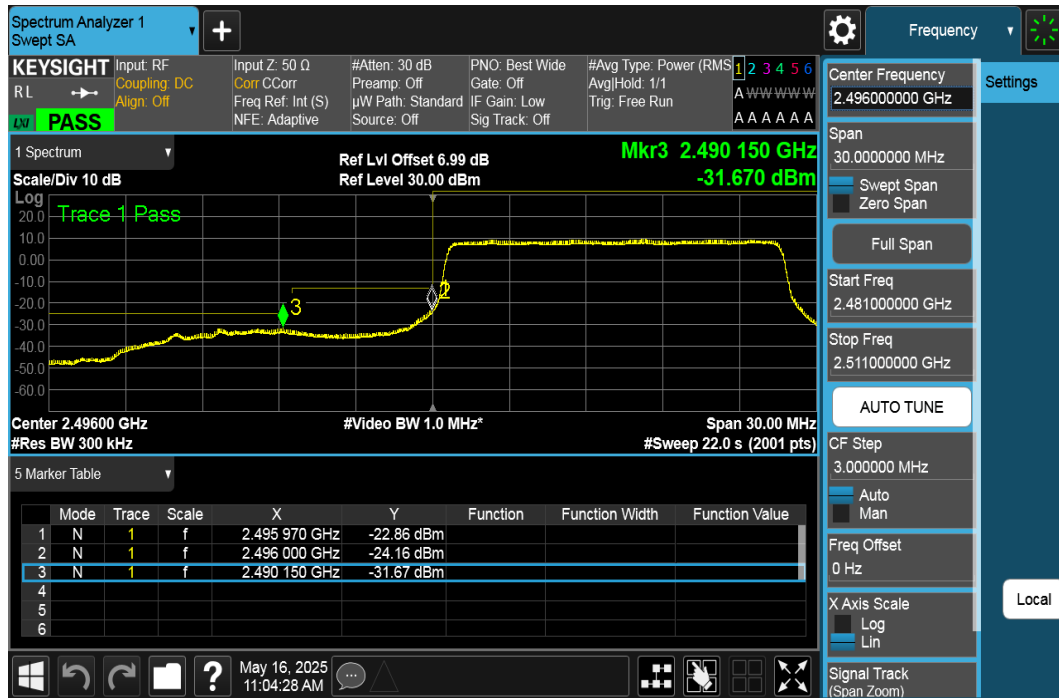
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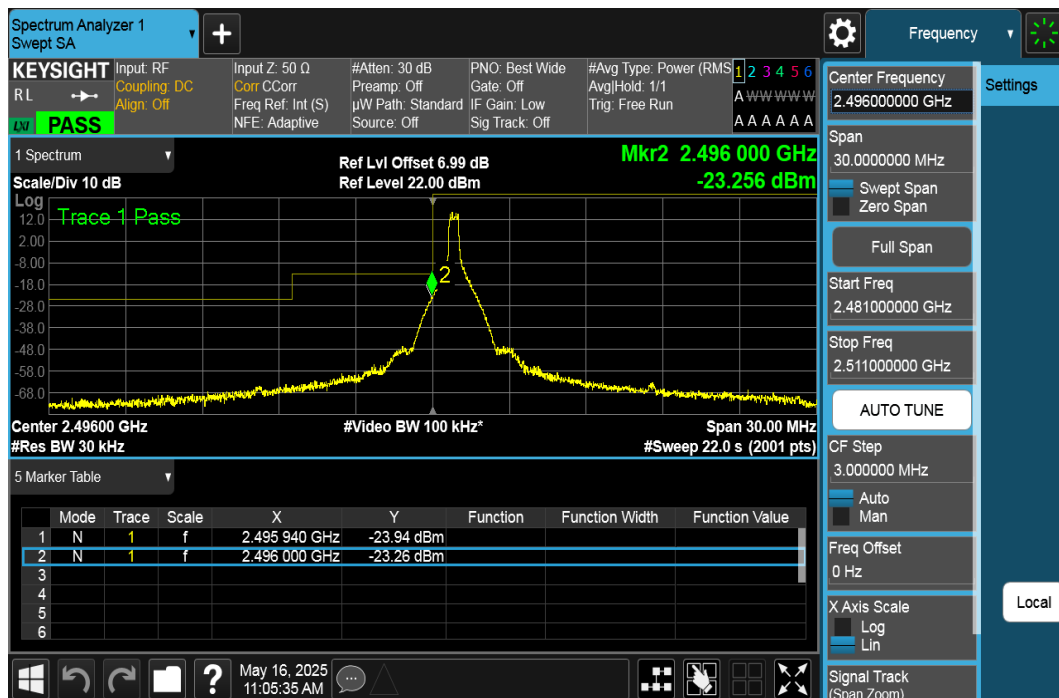
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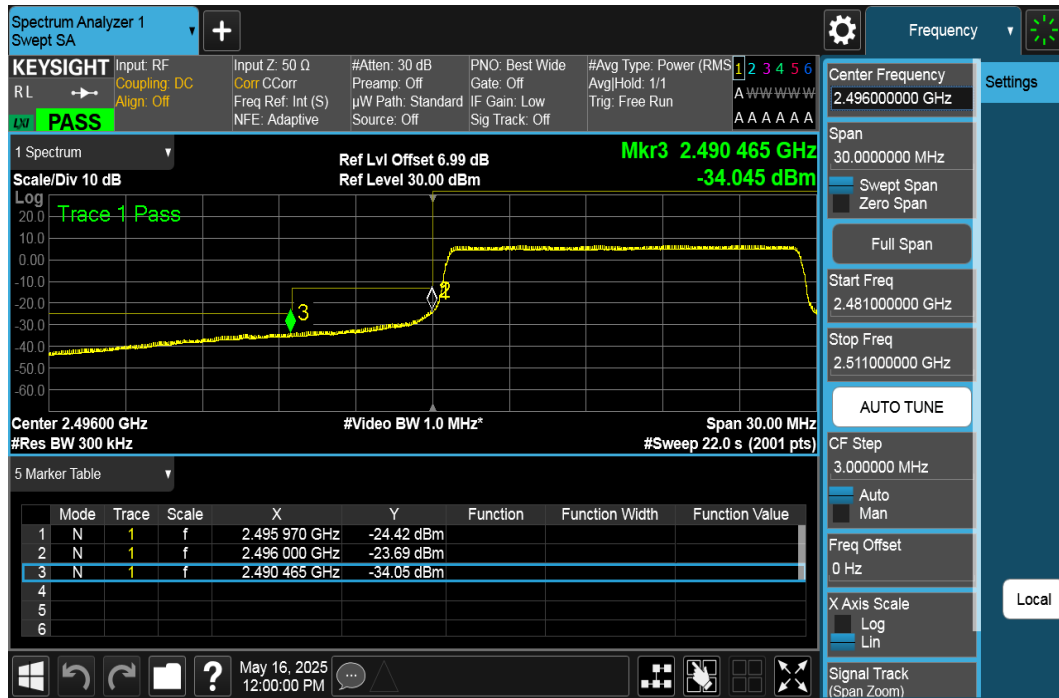
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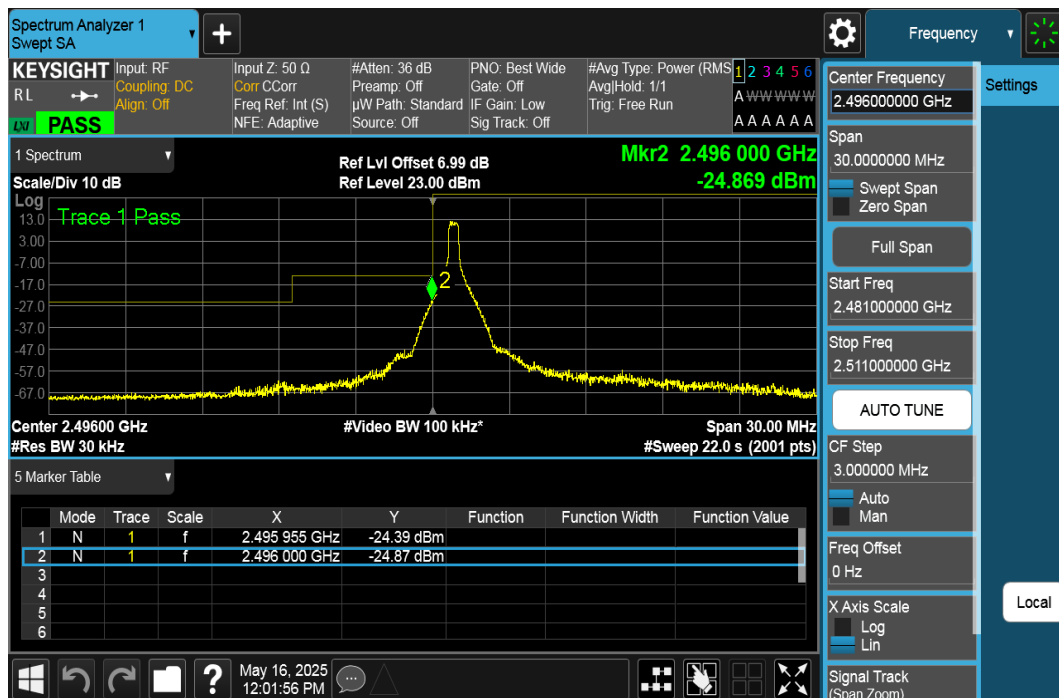
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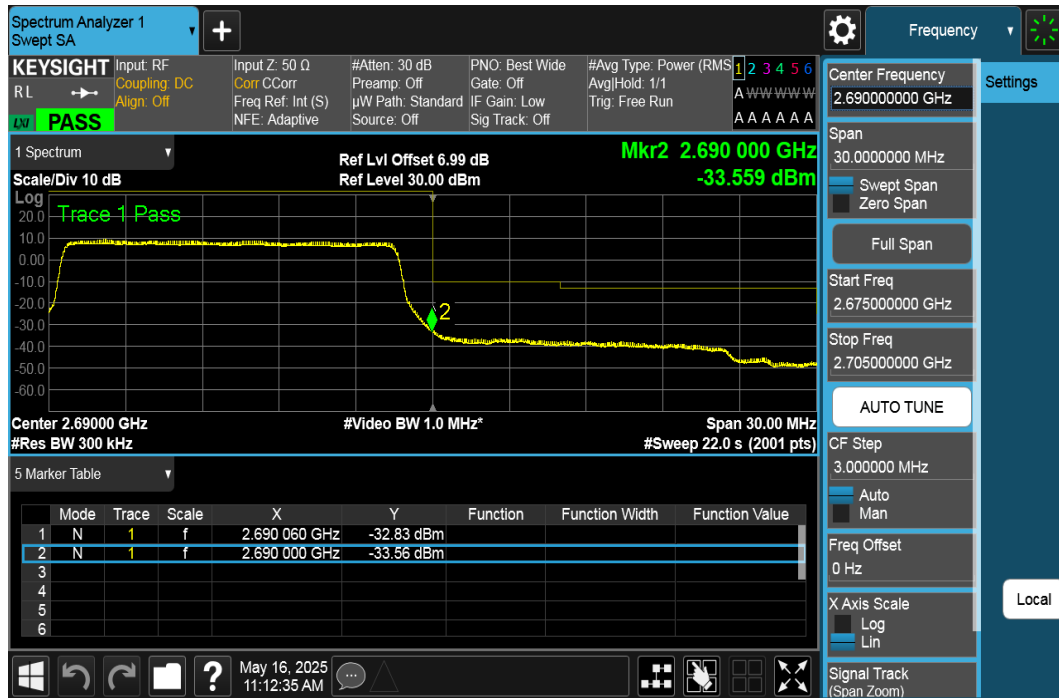
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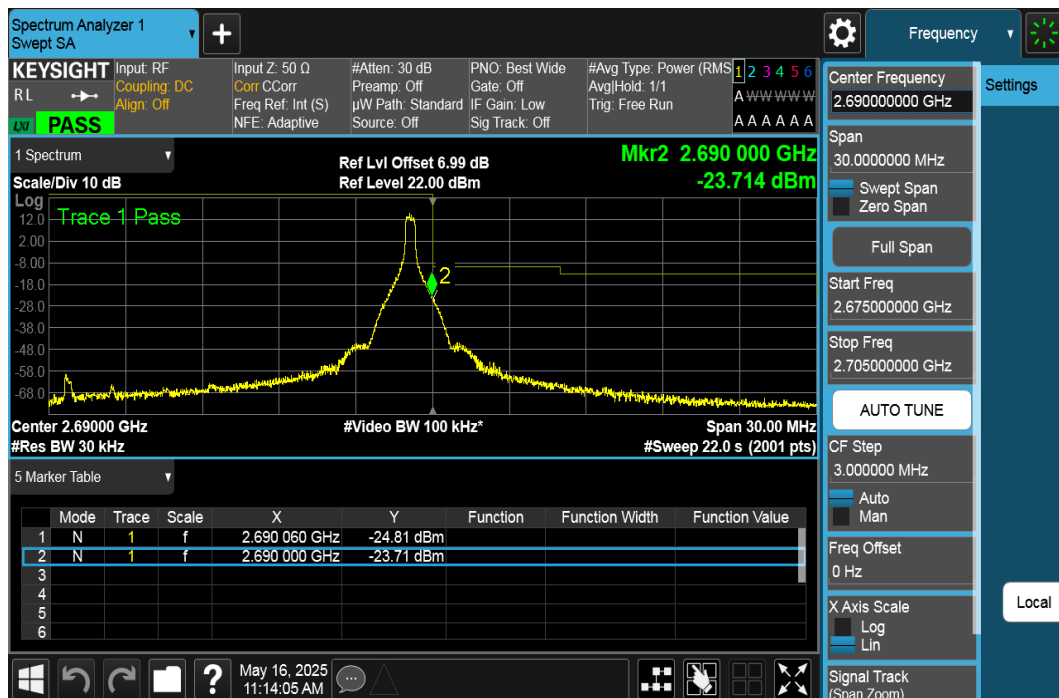
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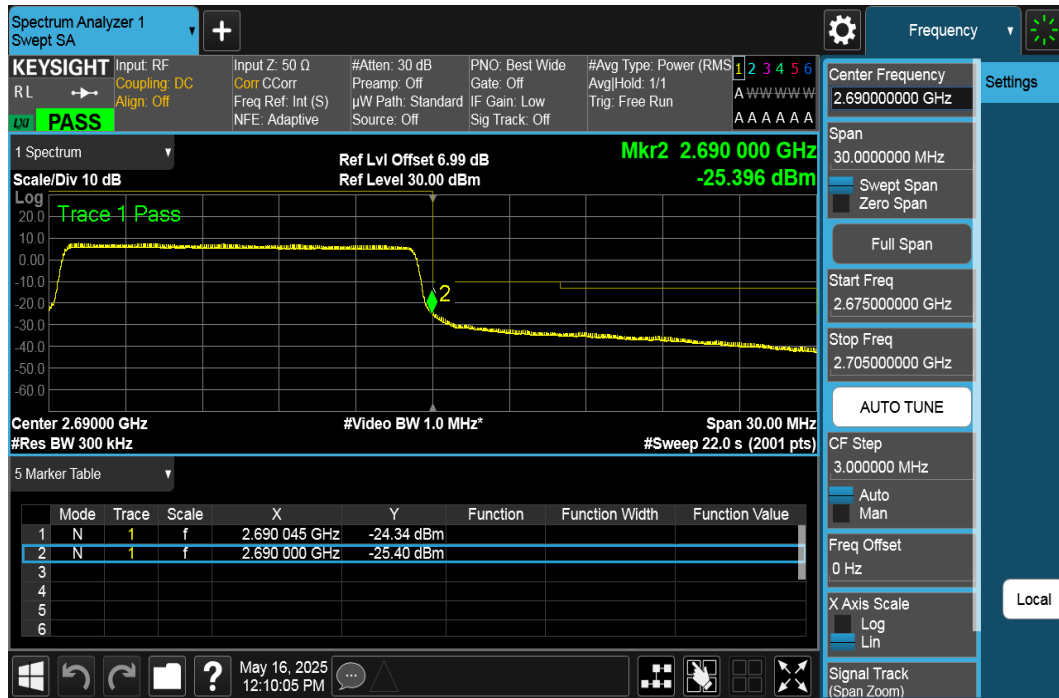
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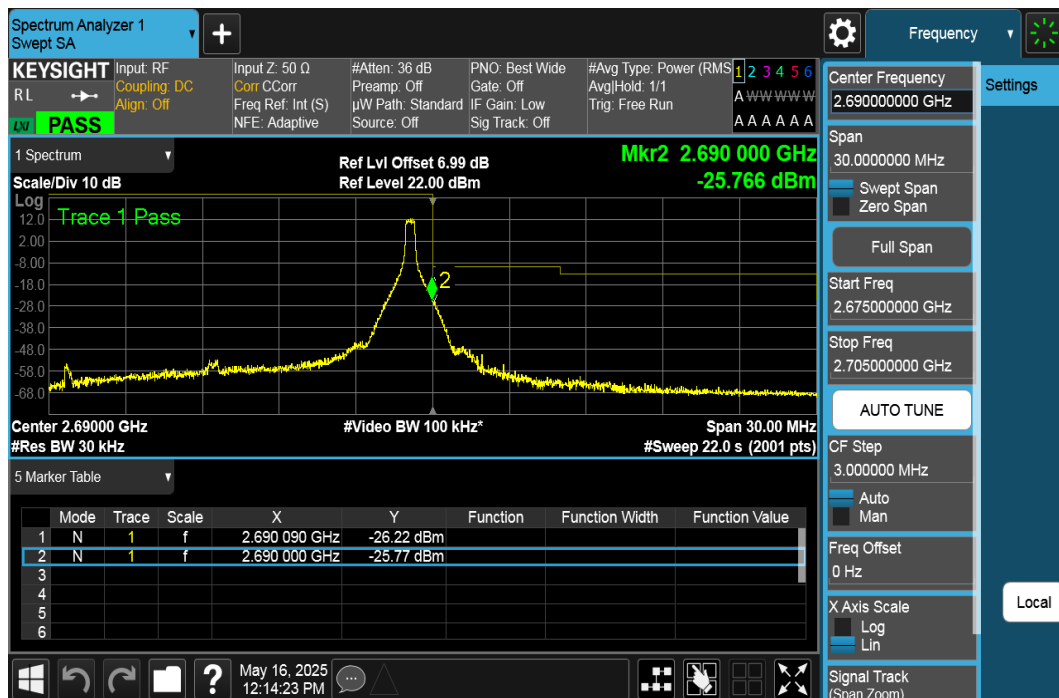
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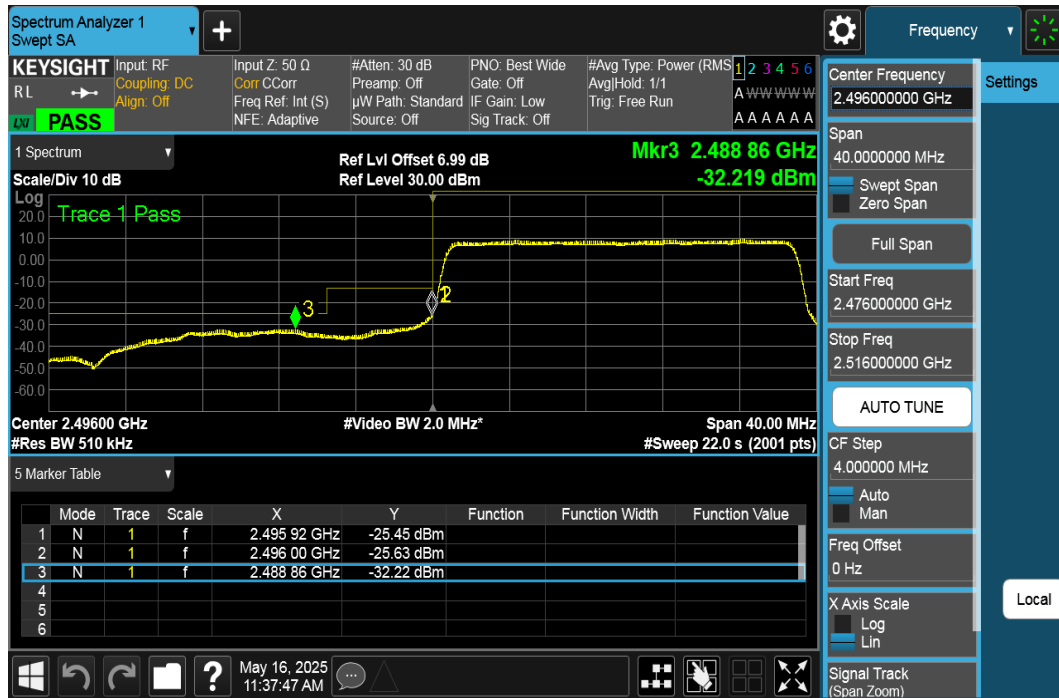
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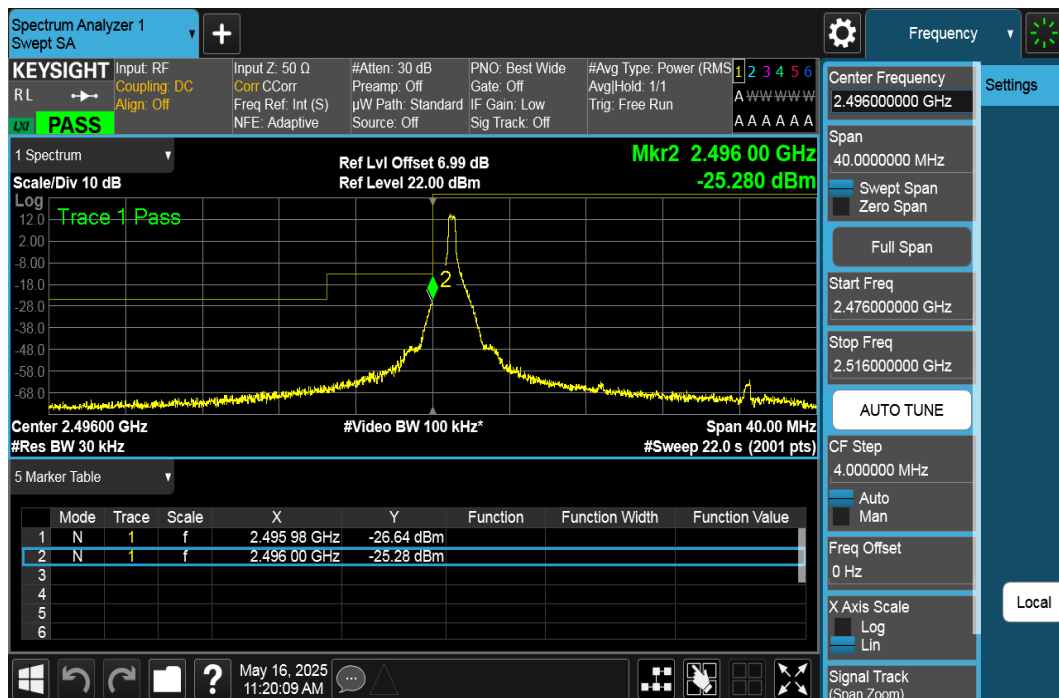
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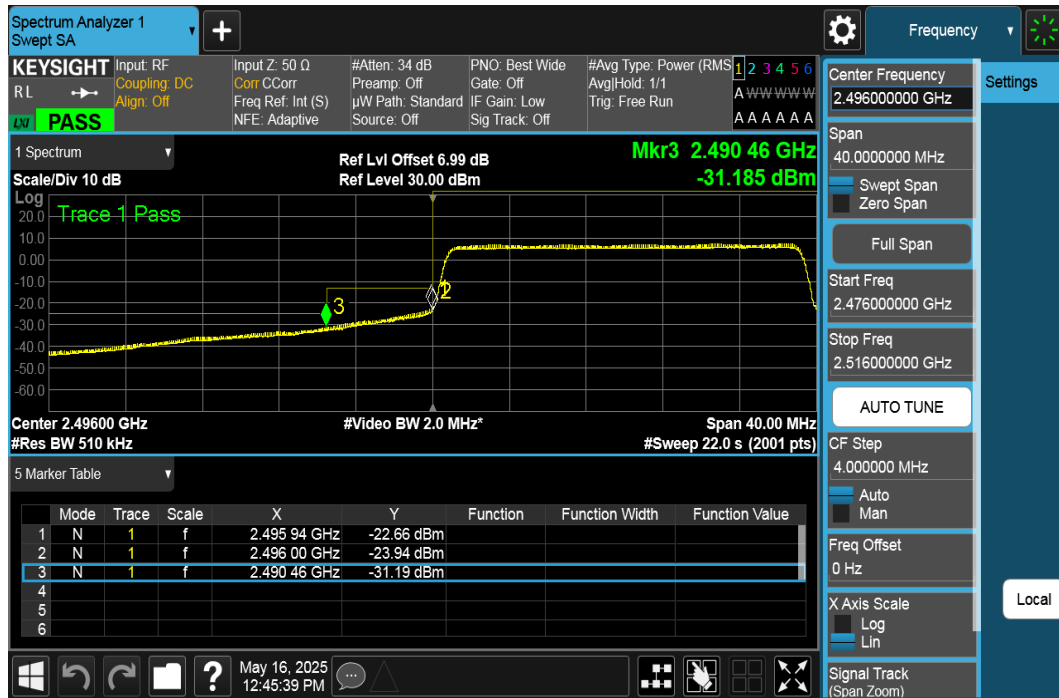
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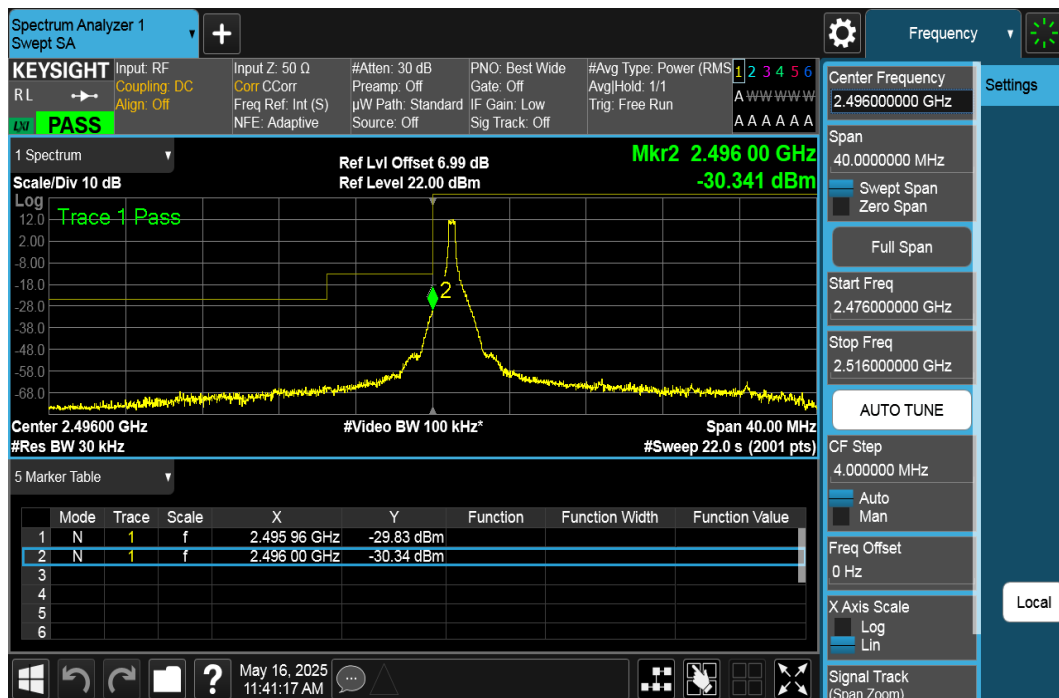
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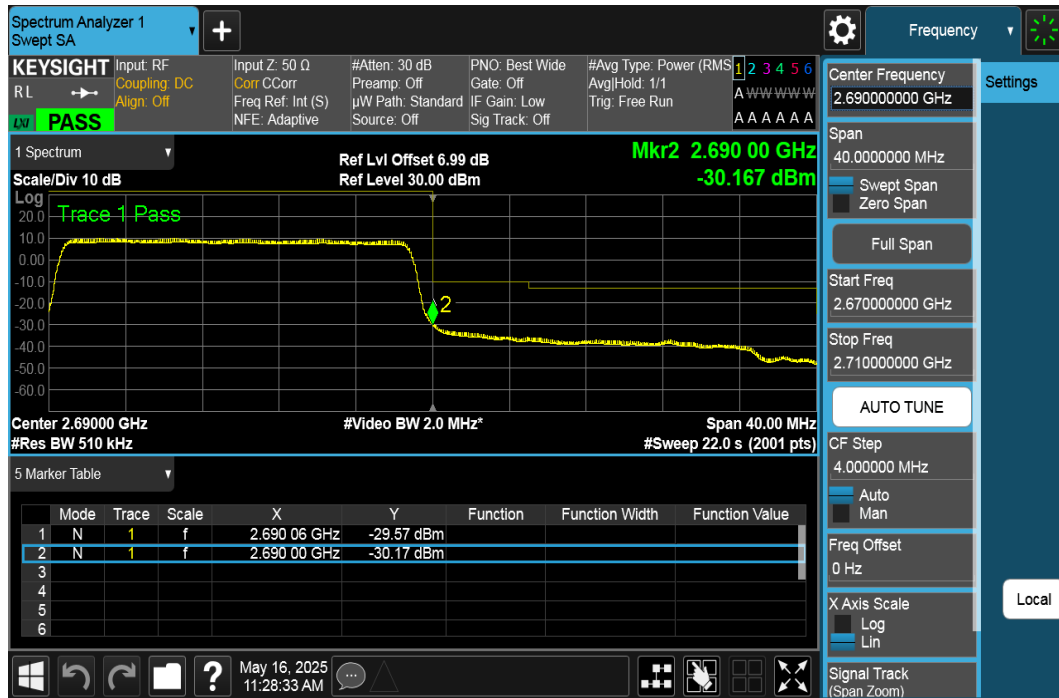
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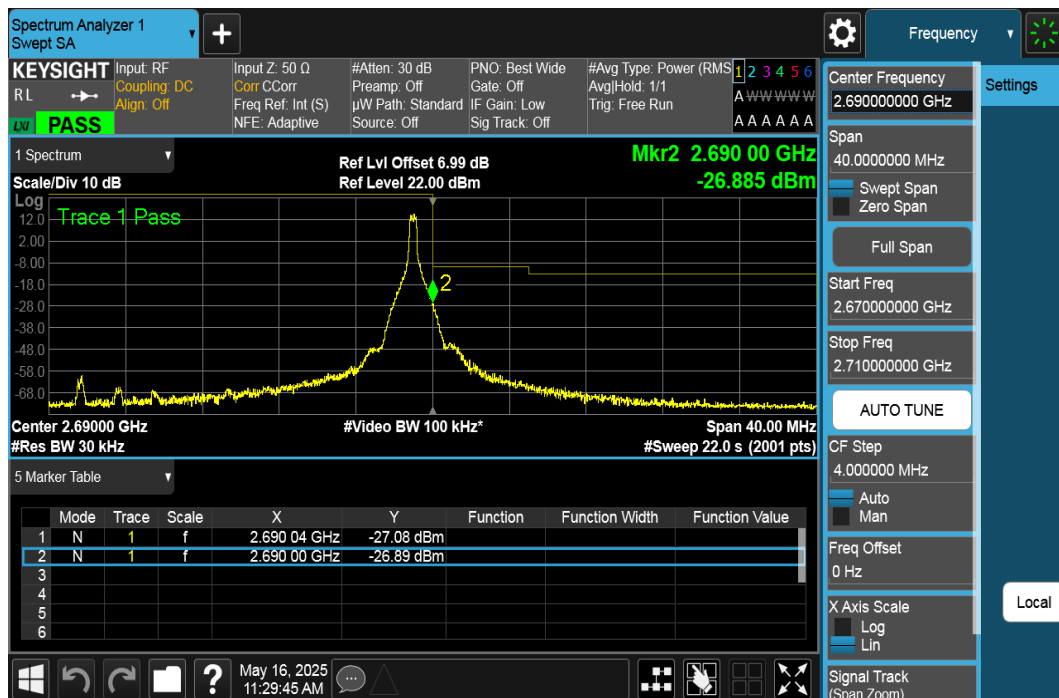
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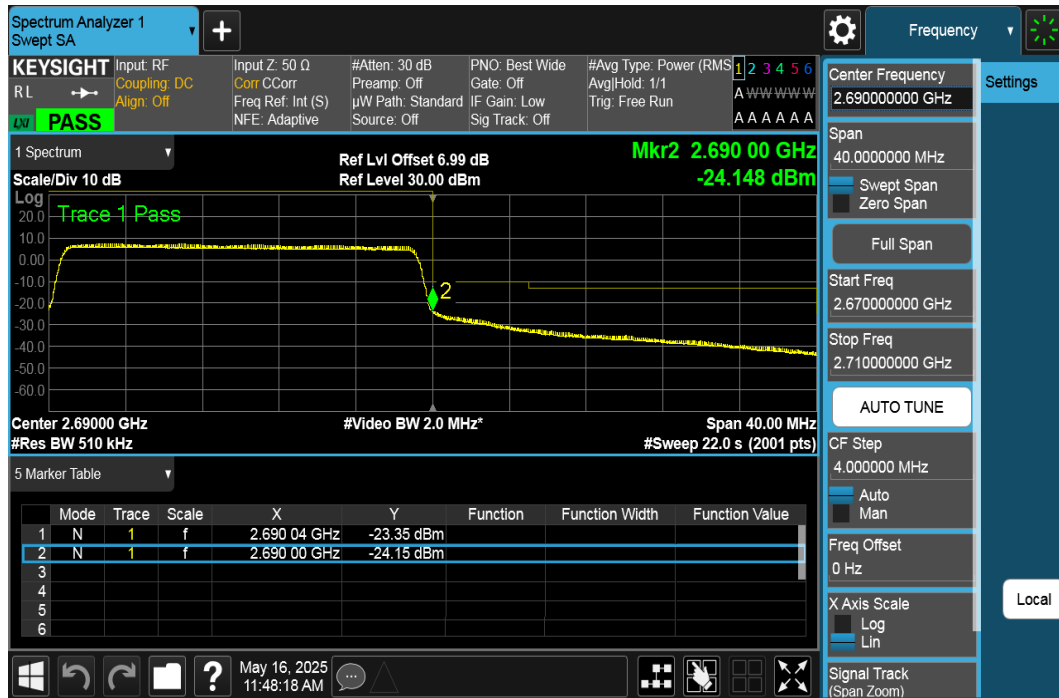
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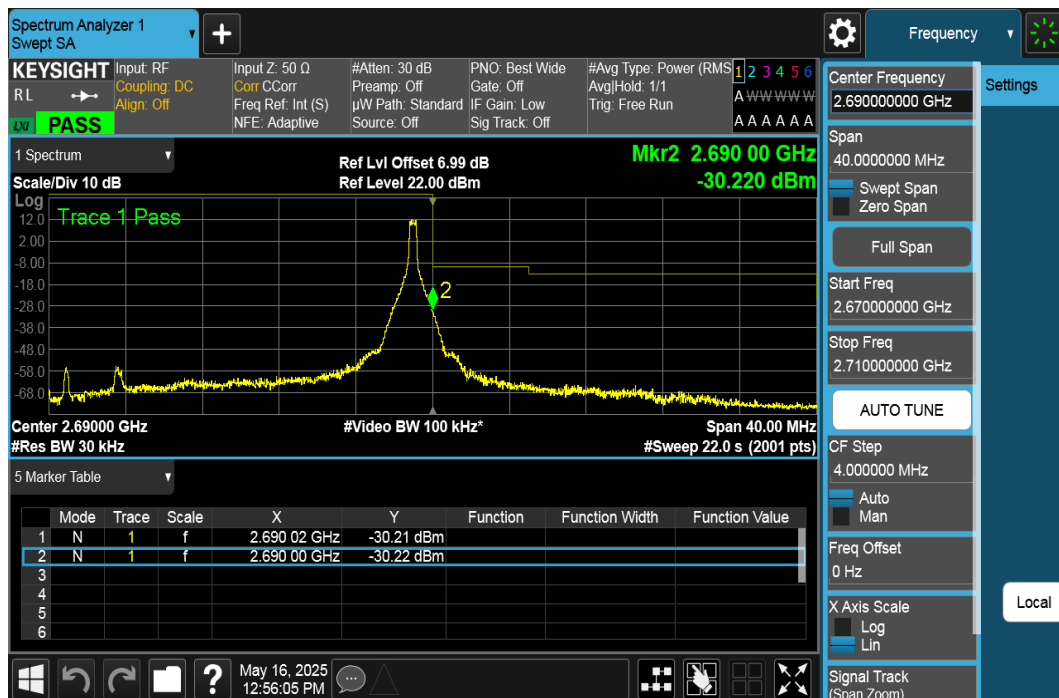
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N41-20M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



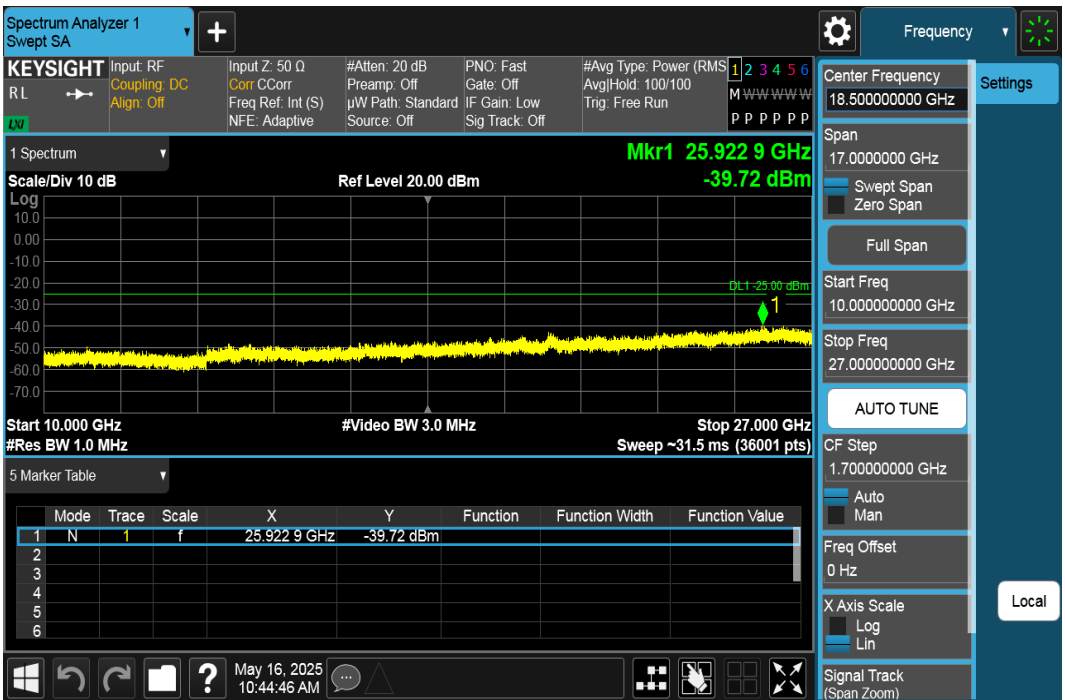
Conducted spurious emissions

test graph

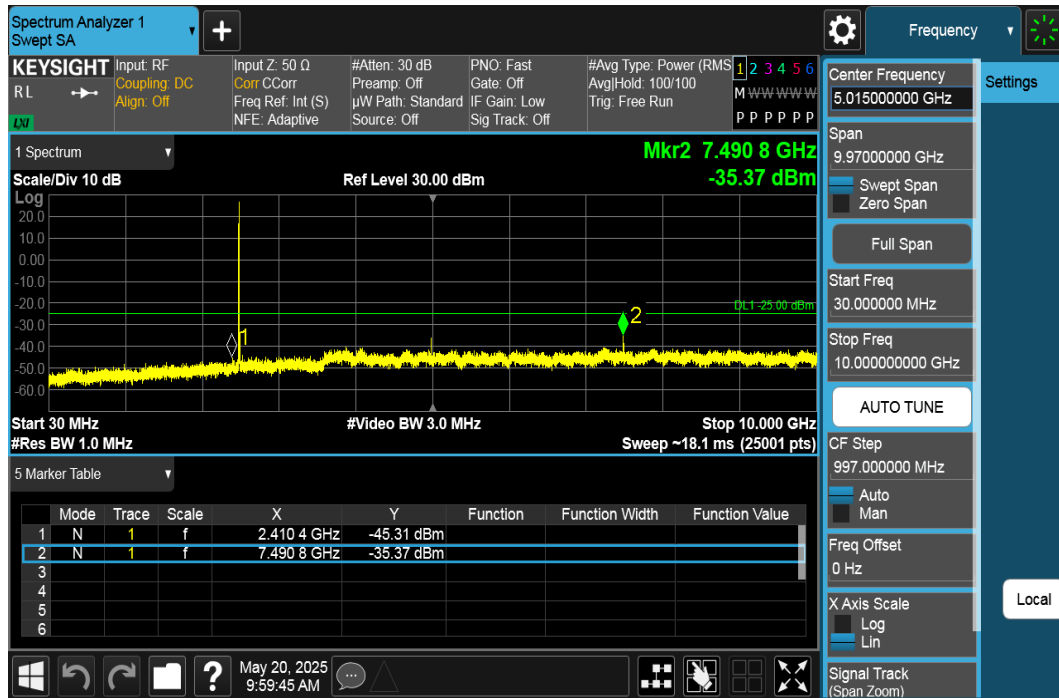
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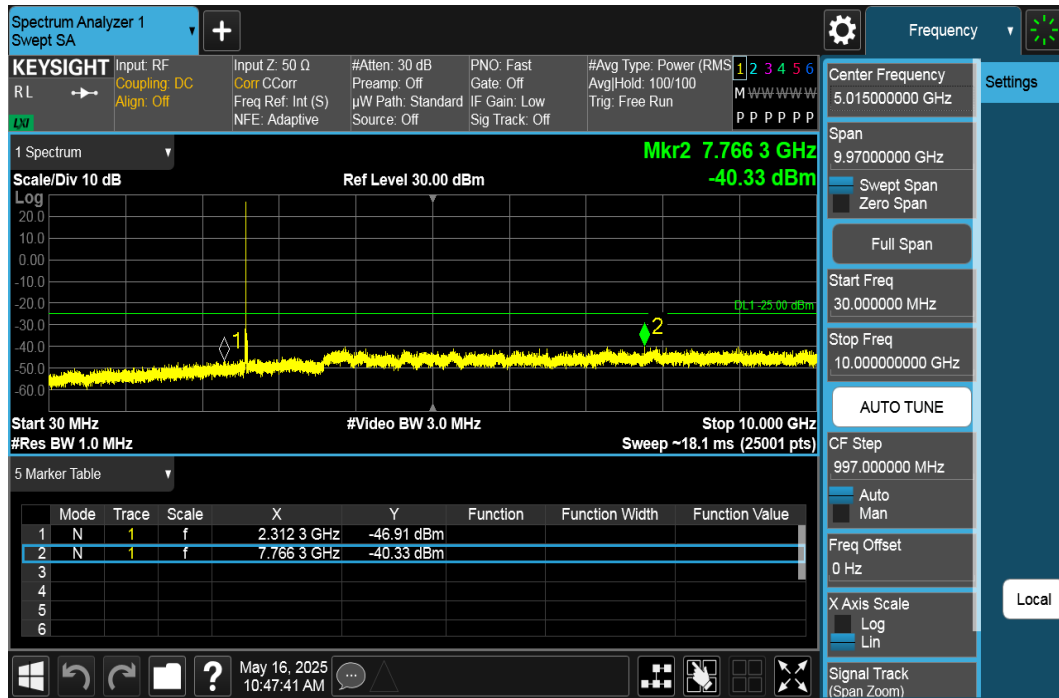
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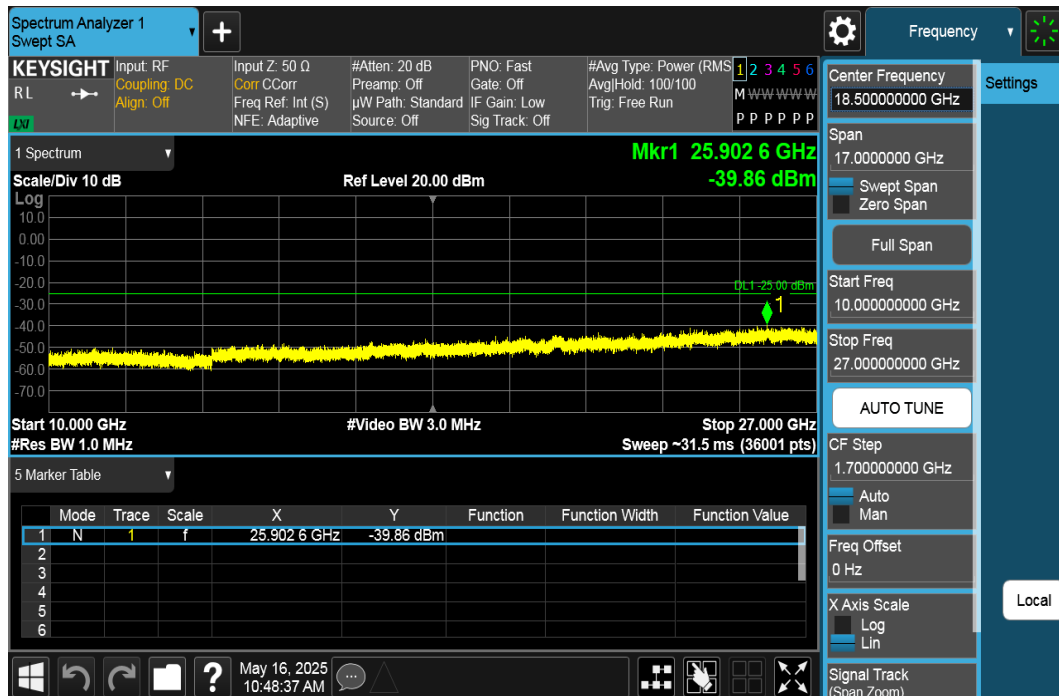
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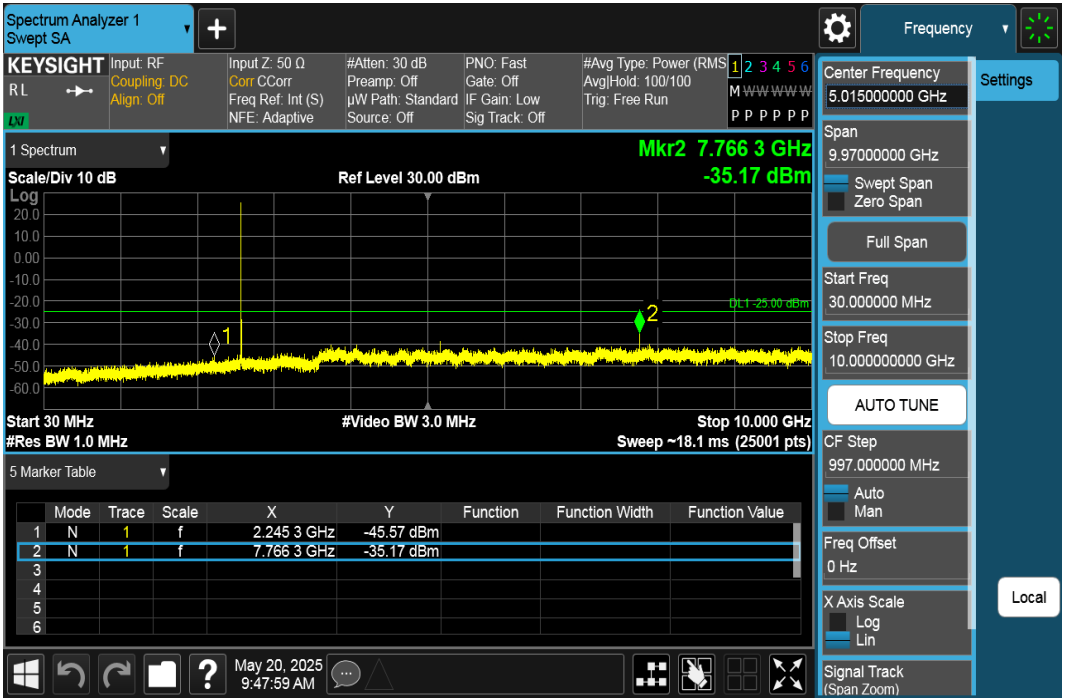
N41-10M-CSE-MCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



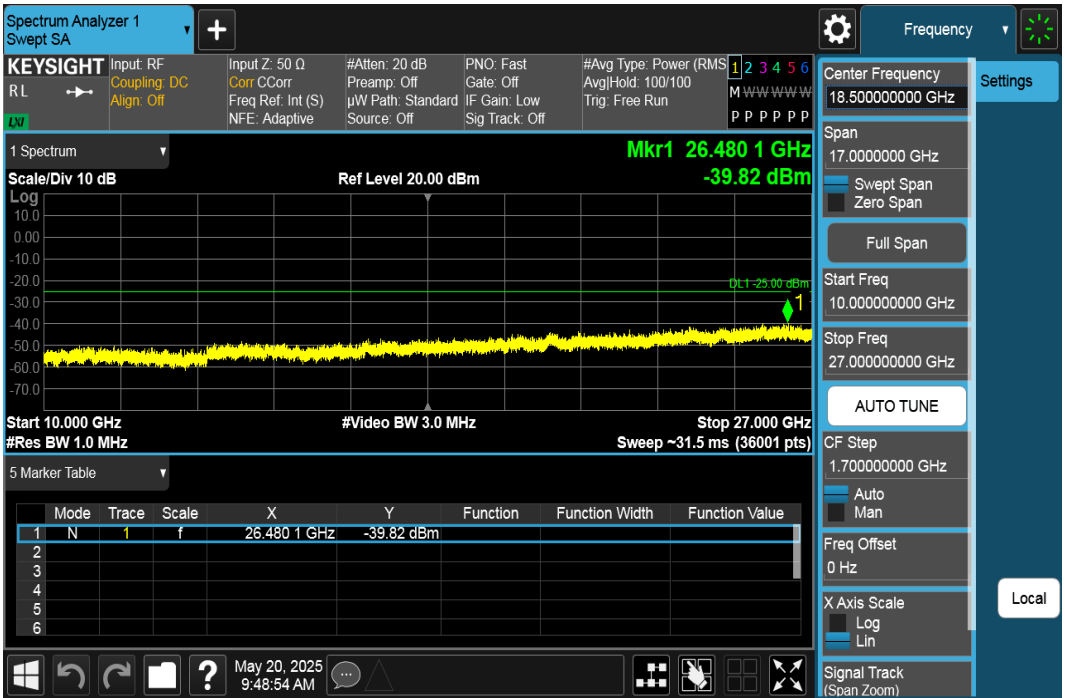
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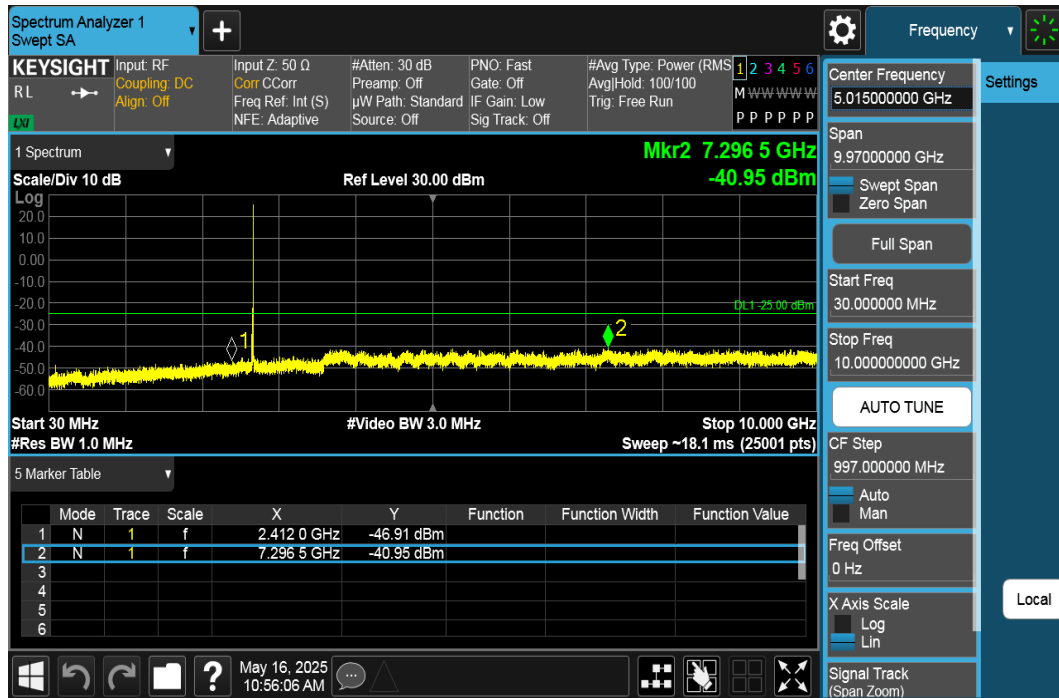
N41-10M-CSE-MCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



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



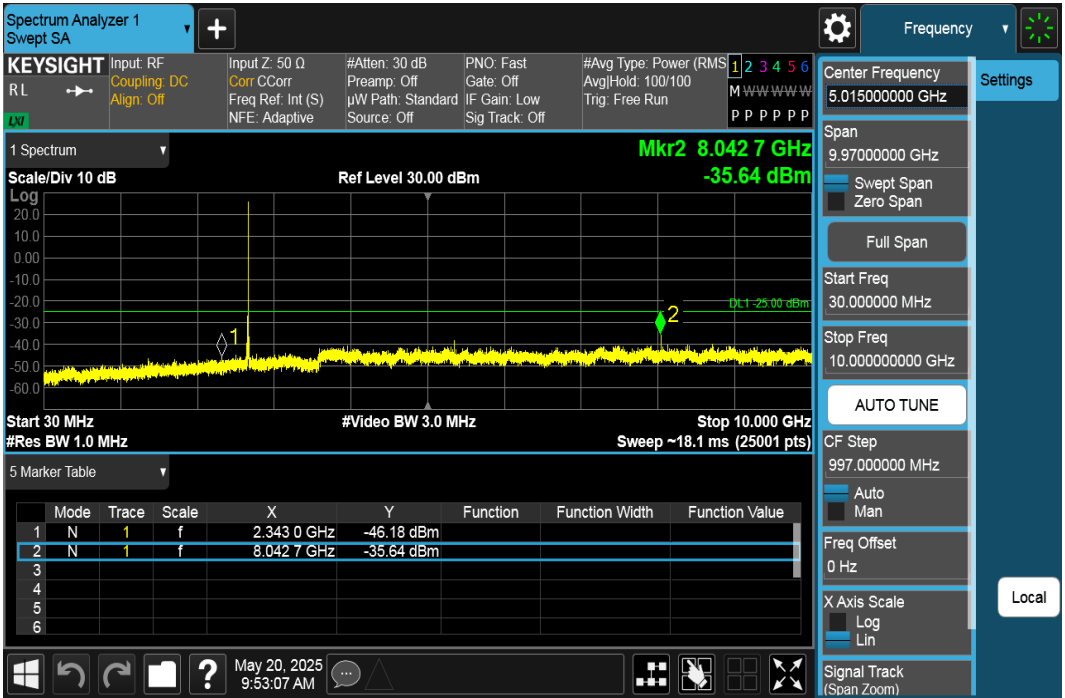
N41-10M-CSE-HCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



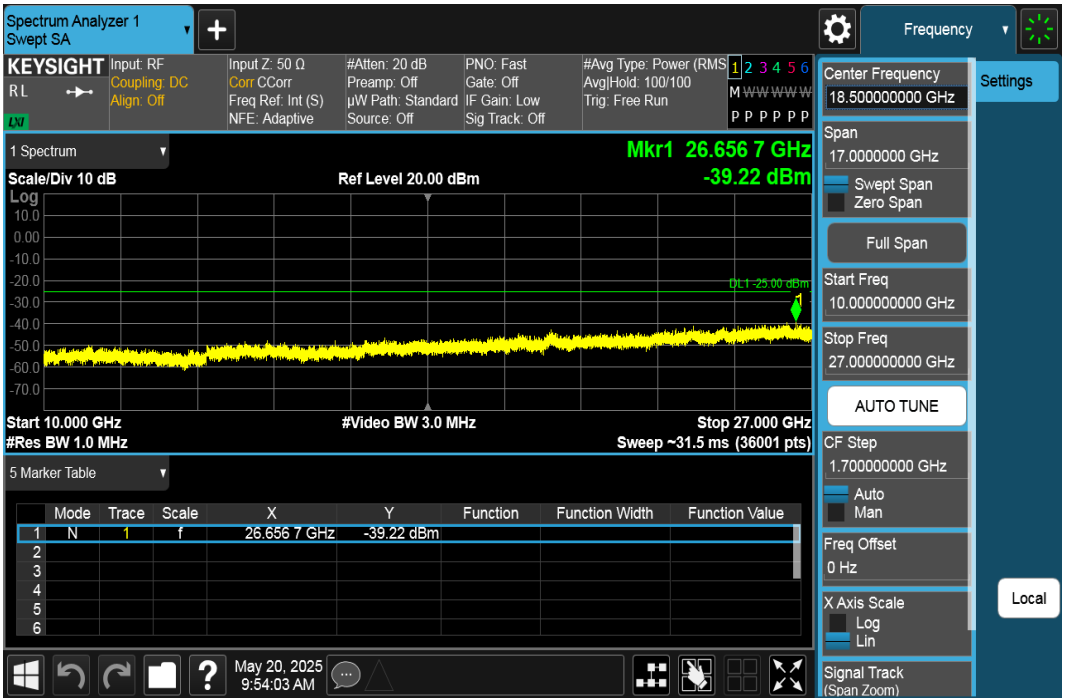
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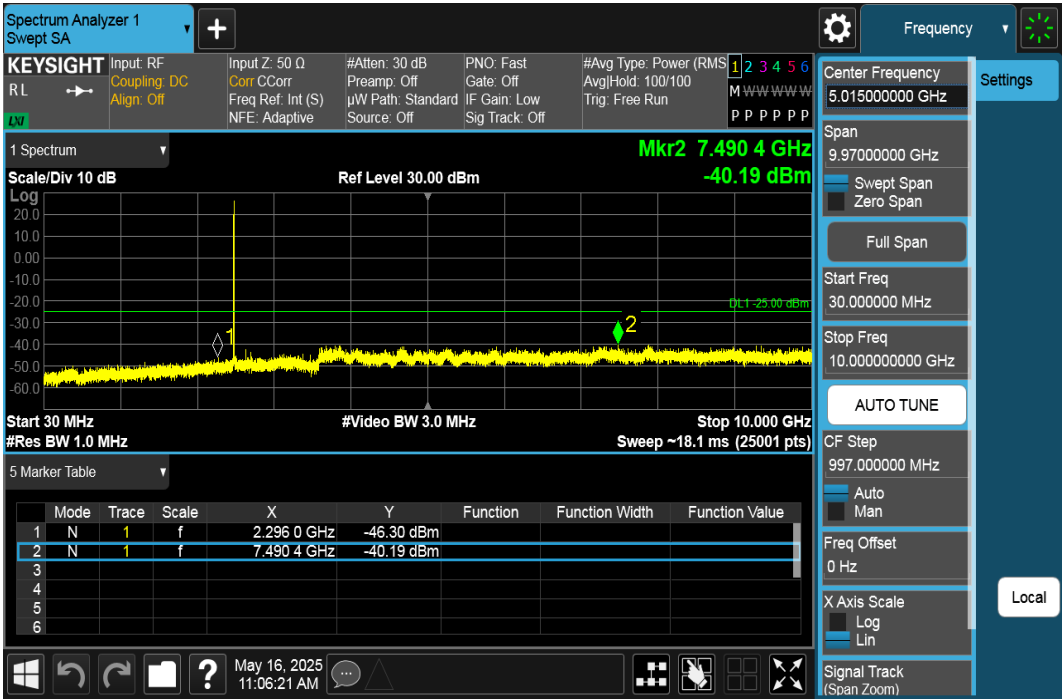
N41-10M-CSE-HCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



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

