

99% & 26dB Bandwidth

Test Result

5G NR N78a(3450-3550MHz) 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	8.5963	9.787	/	Pass
CP-OFDM QPSK		Outer_Full	8.6277	9.821	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	8.622	9.548	/	Pass
CP-OFDM QPSK		Outer_Full	8.6127	9.927	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.5696	9.398	/	Pass
CP-OFDM QPSK		Outer_Full	8.6282	9.989	/	Pass

5G NR N78a(3450-3550MHz) 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	12.931	14.45	/	Pass
CP-OFDM QPSK		Outer_Full	13.675	15.24	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	12.846	14.23	/	Pass
CP-OFDM QPSK		Outer_Full	13.604	15.1	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	12.985	14.33	/	Pass
CP-OFDM QPSK		Outer_Full	13.613	15.14	/	Pass

5G NR N78a(3450-3550MHz) 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	17.885	19.25	/	Pass
CP-OFDM QPSK		Outer_Full	18.196	19.86	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	17.805	19.14	/	Pass
CP-OFDM QPSK		Outer_Full	18.308	19.55	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.91	19.09	/	Pass
CP-OFDM QPSK		Outer_Full	18.226	19.83	/	Pass

Peak-Average Ratio

Test Result

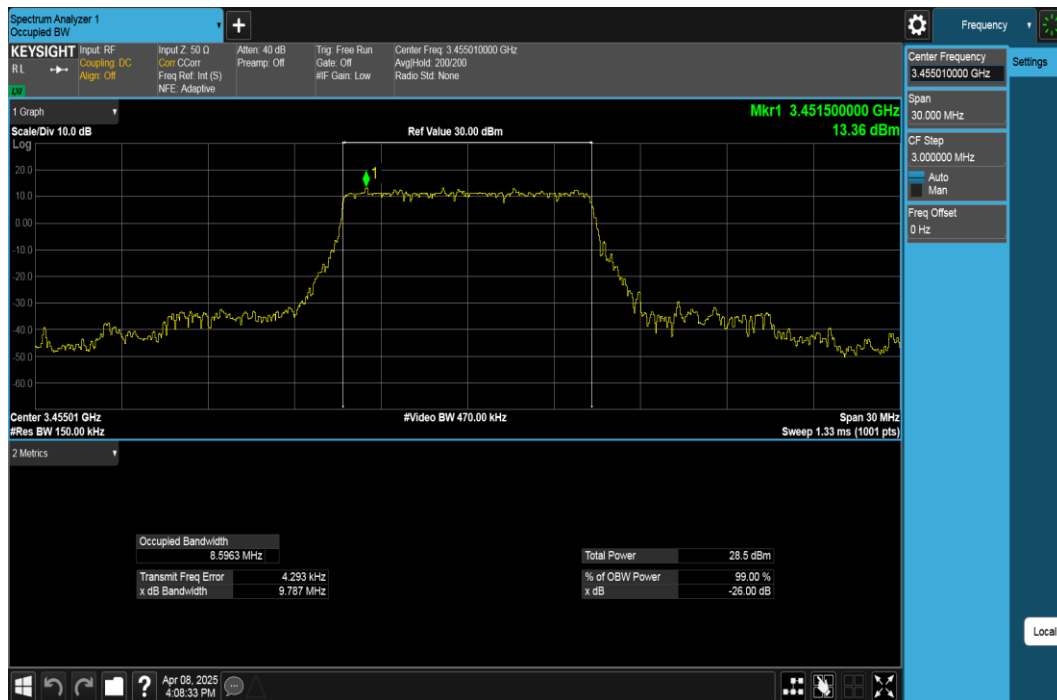
5G NR N78a(3450-3550MHz) SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.09	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.74	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.92	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.69	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.95	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.83	<=13	Pass

5G NR N78a(3450-3550MHz) SCS=30kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.07	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.7	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.09	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.61	<=13	Pass
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CP-OFDM QPSK		Outer_Full	6.72	<=13	Pass

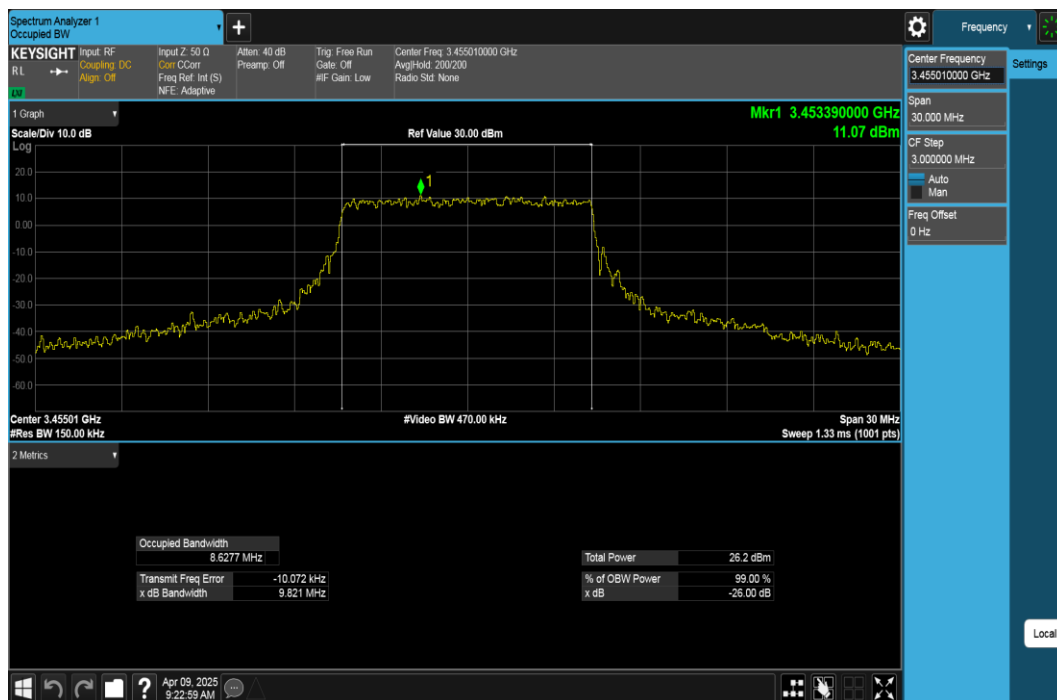
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Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.04	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.7	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.24	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.64	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.06	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.81	<=13	Pass

OBW Test graph

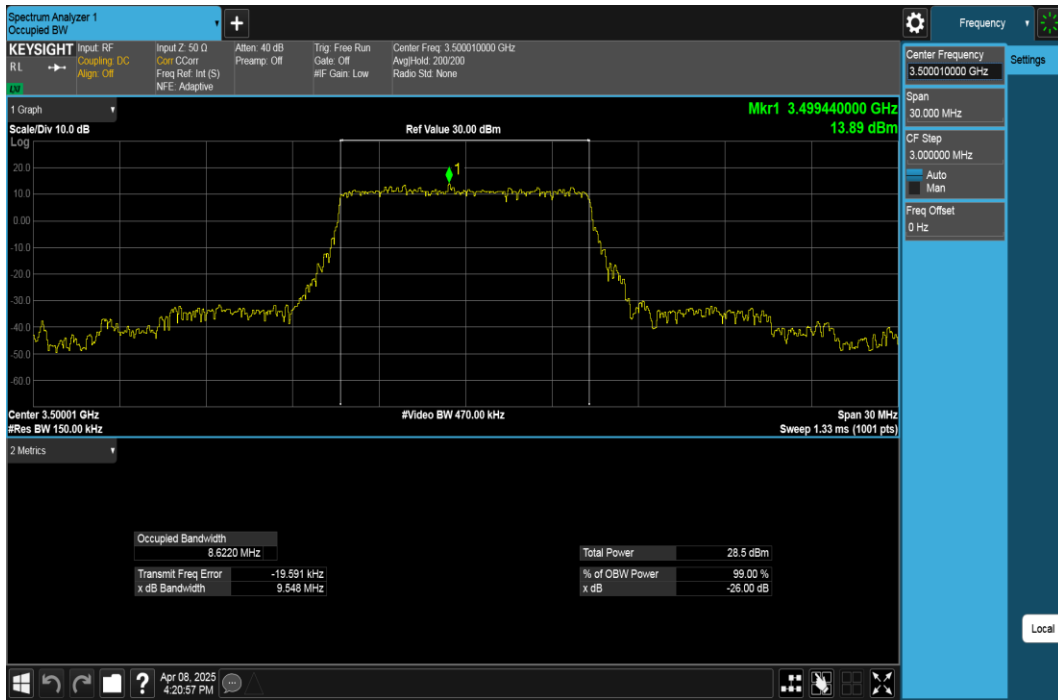
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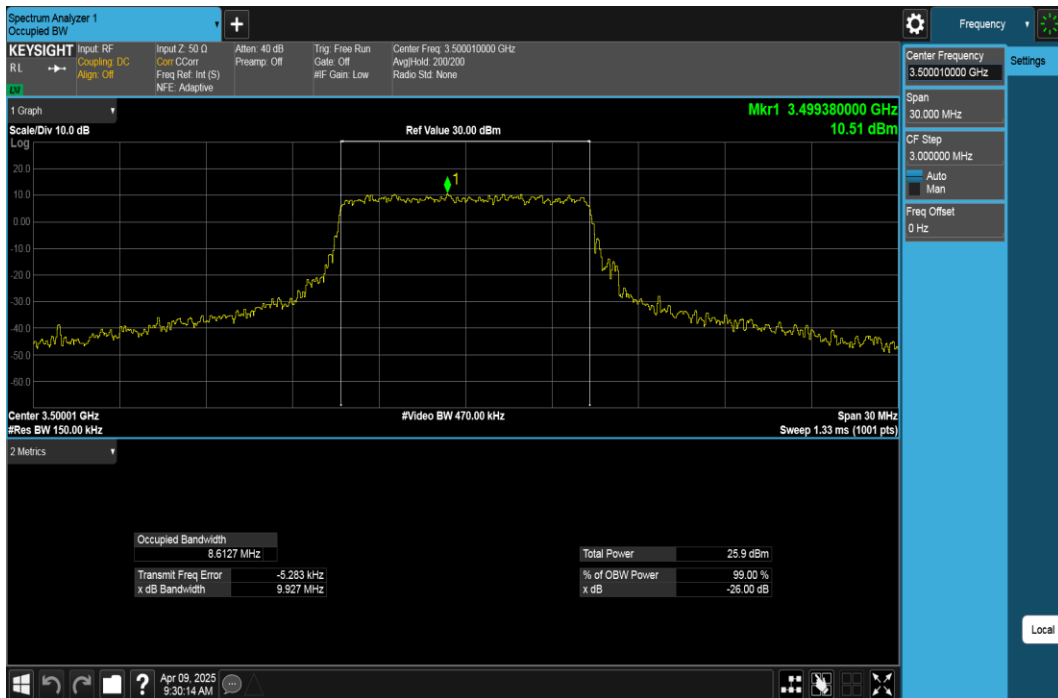
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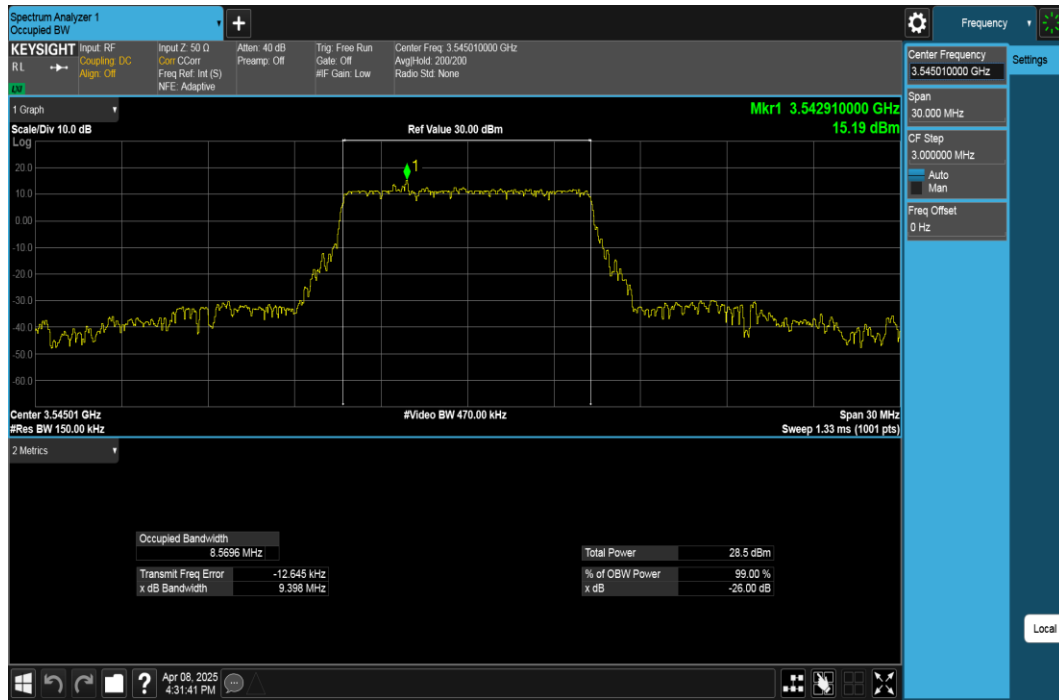
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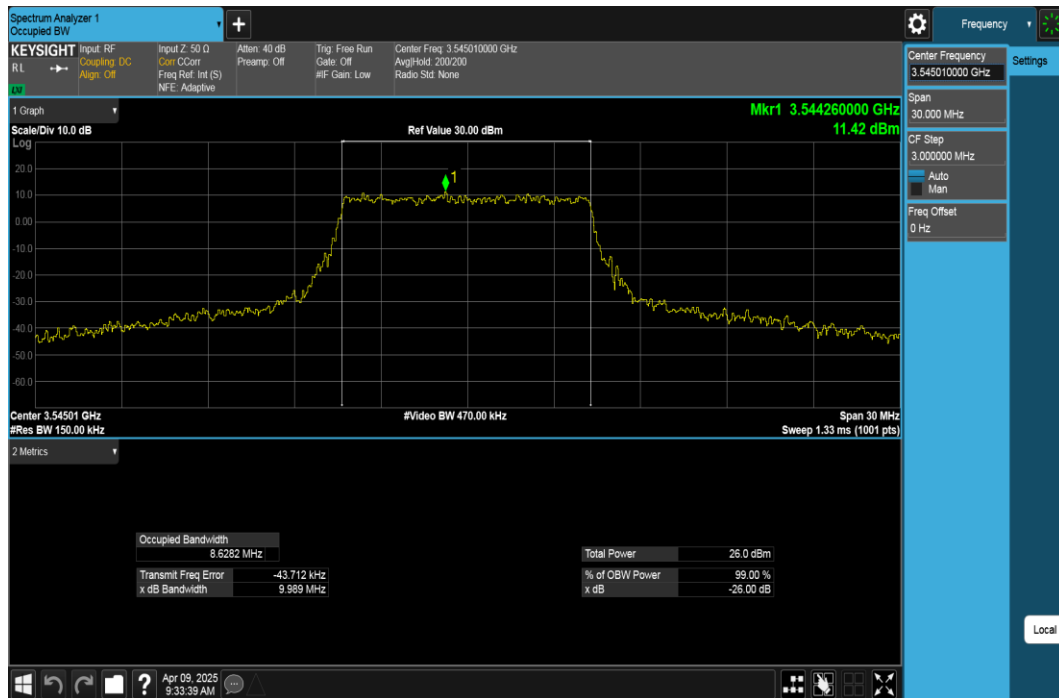
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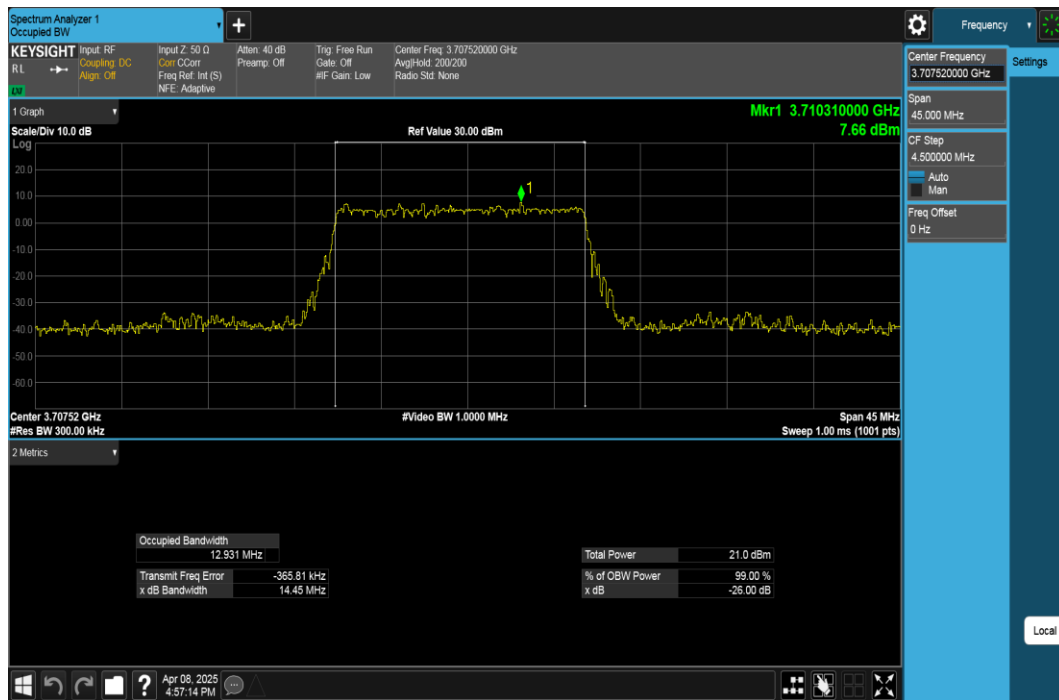
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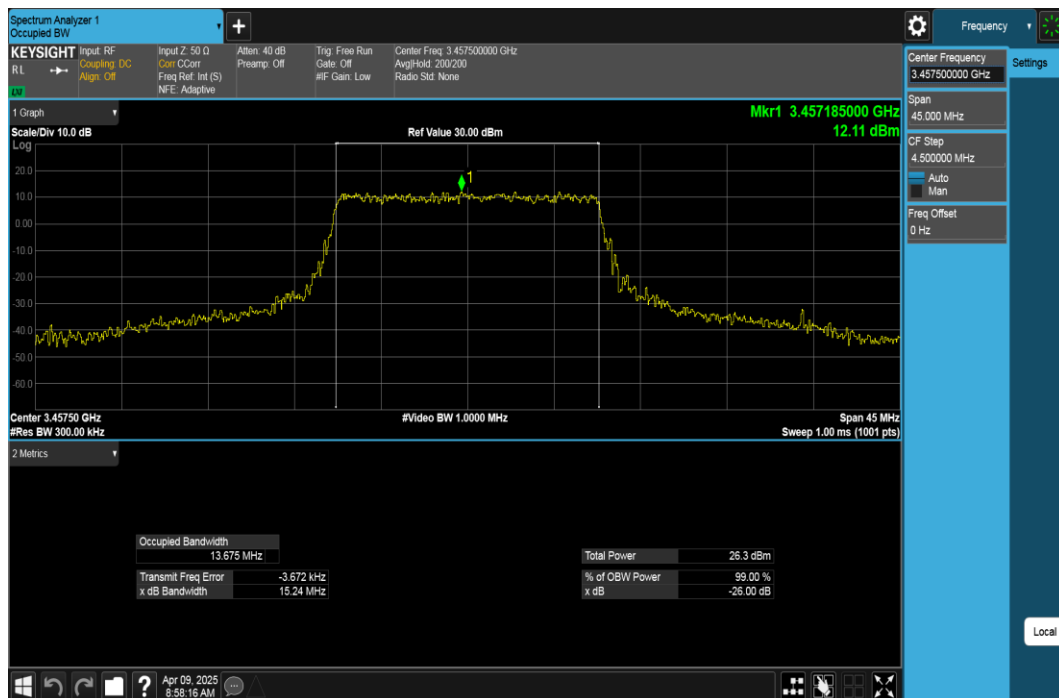
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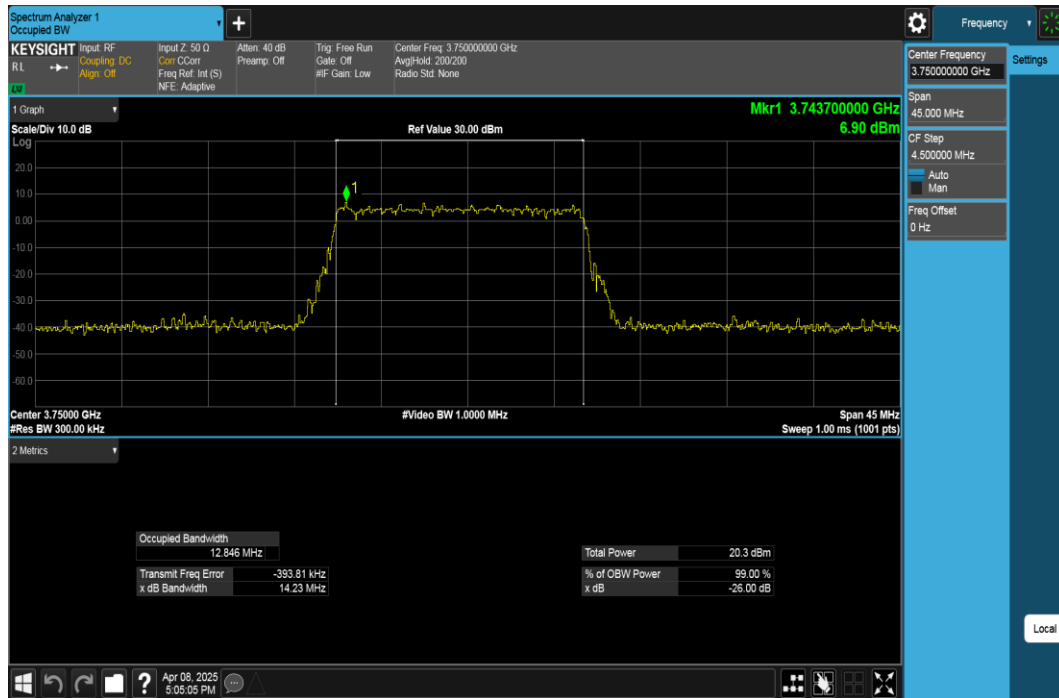
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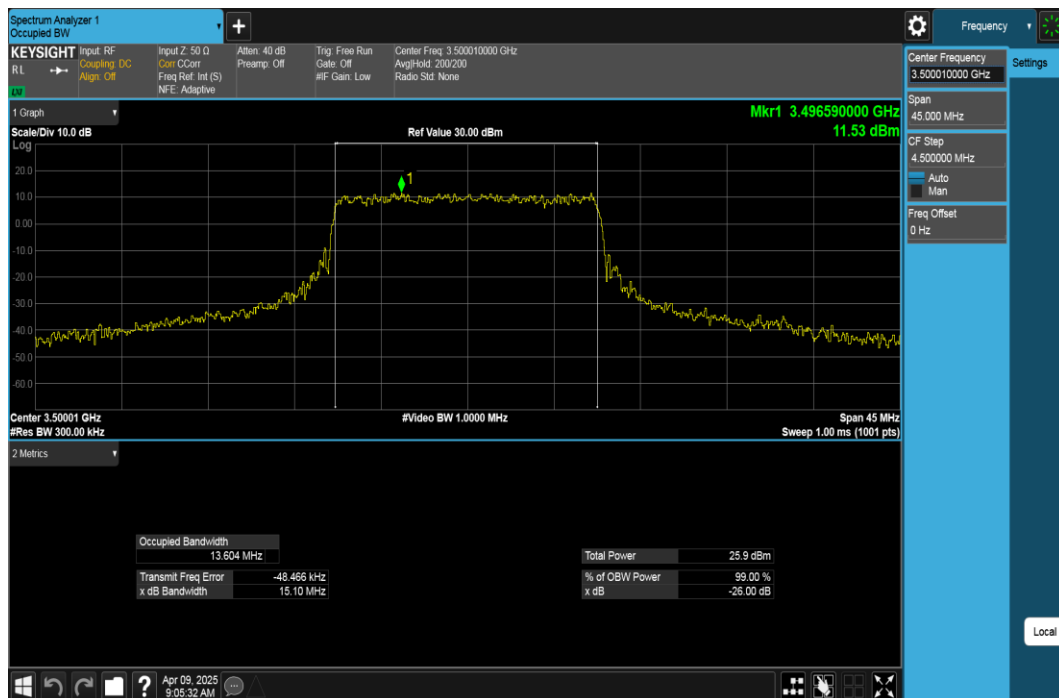
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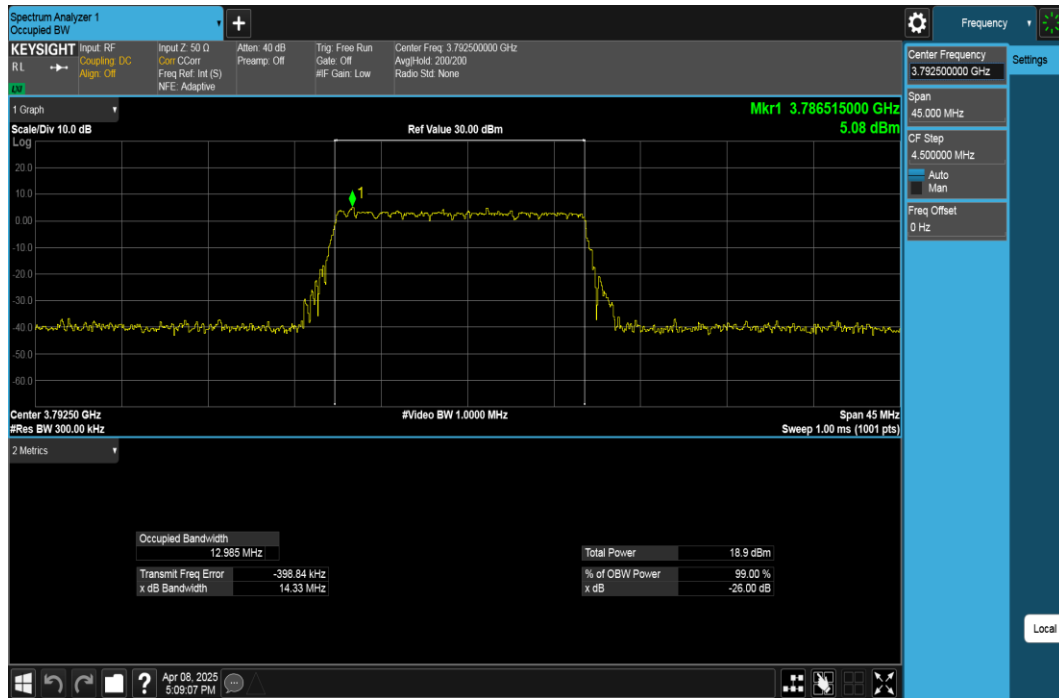
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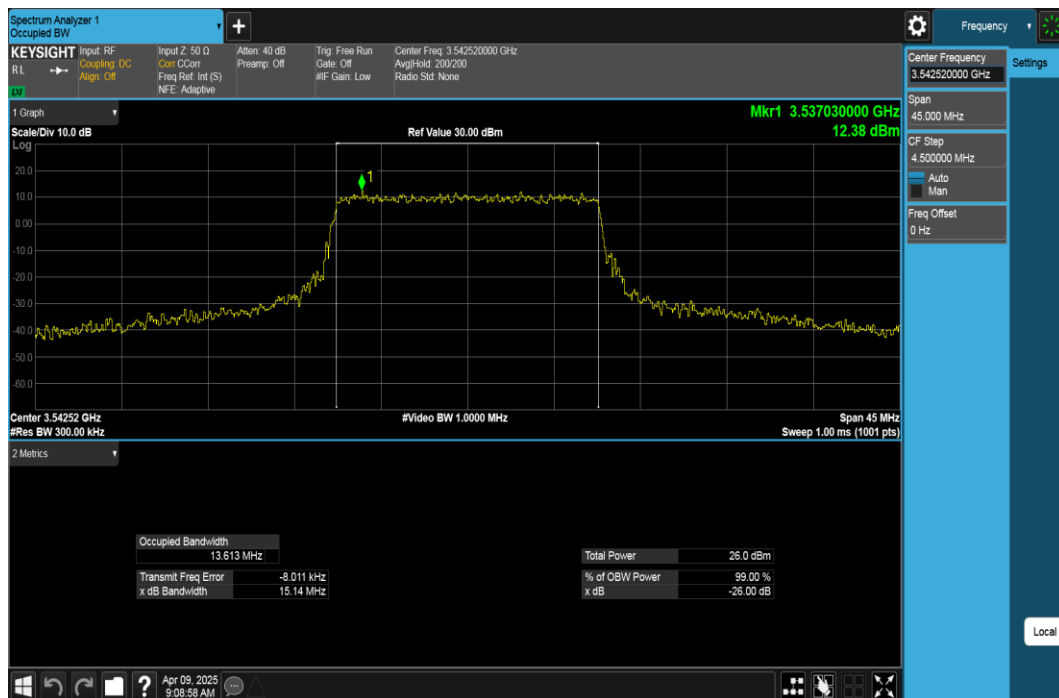
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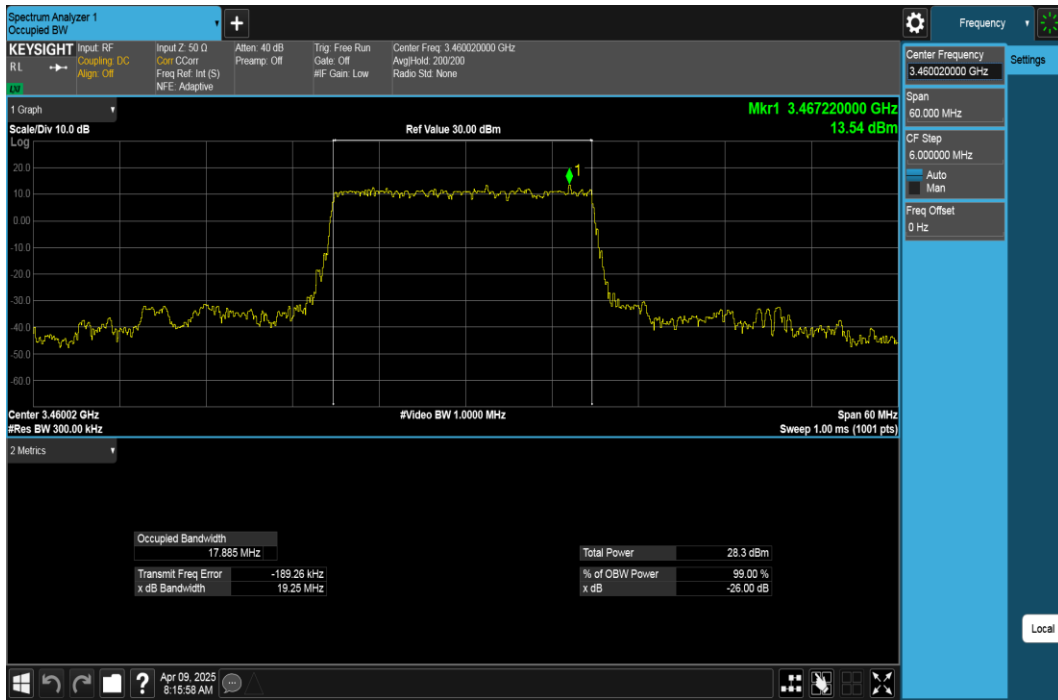
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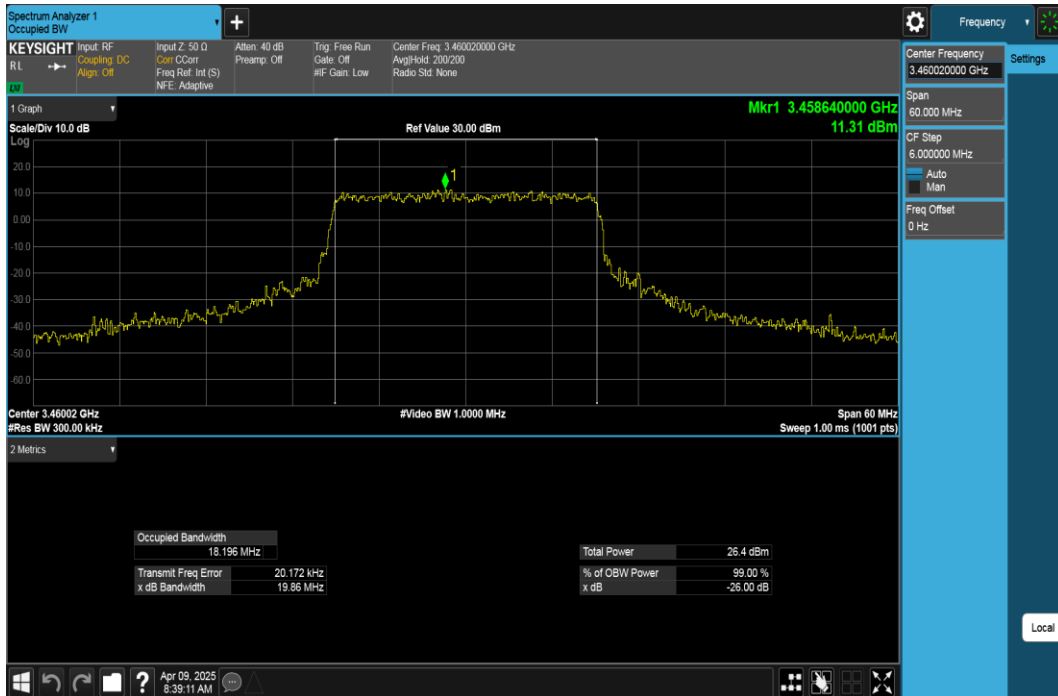
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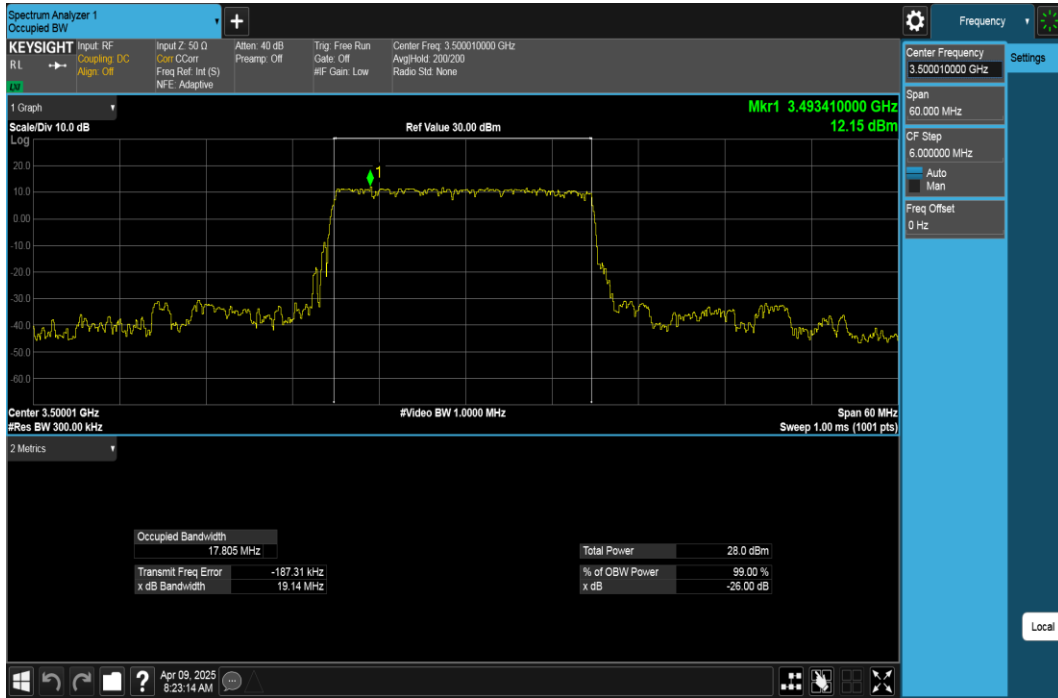
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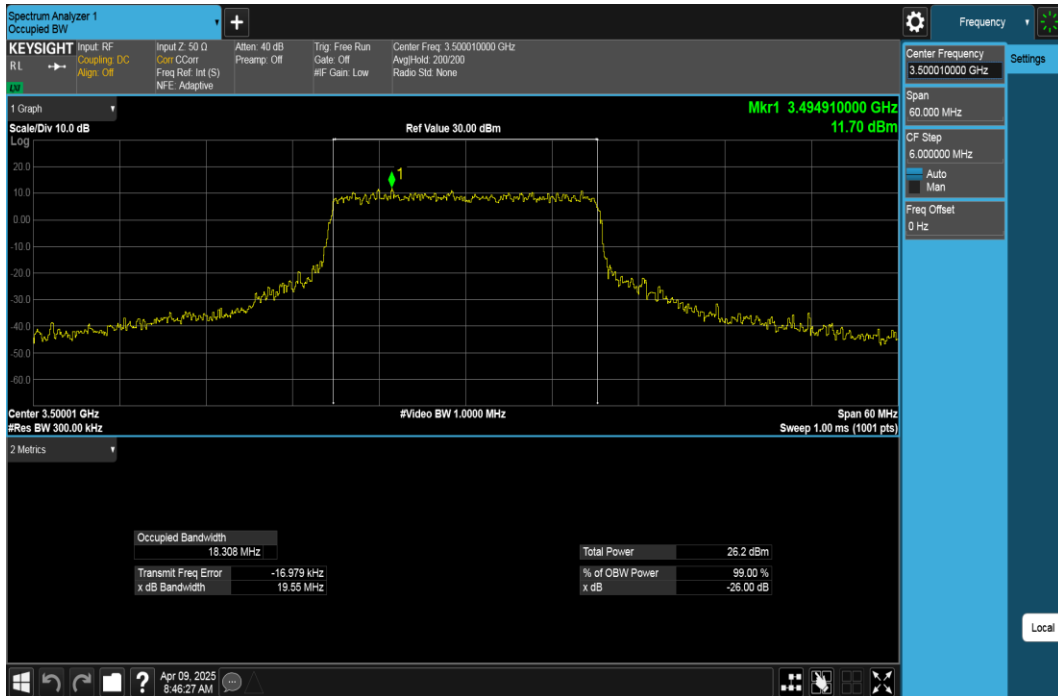
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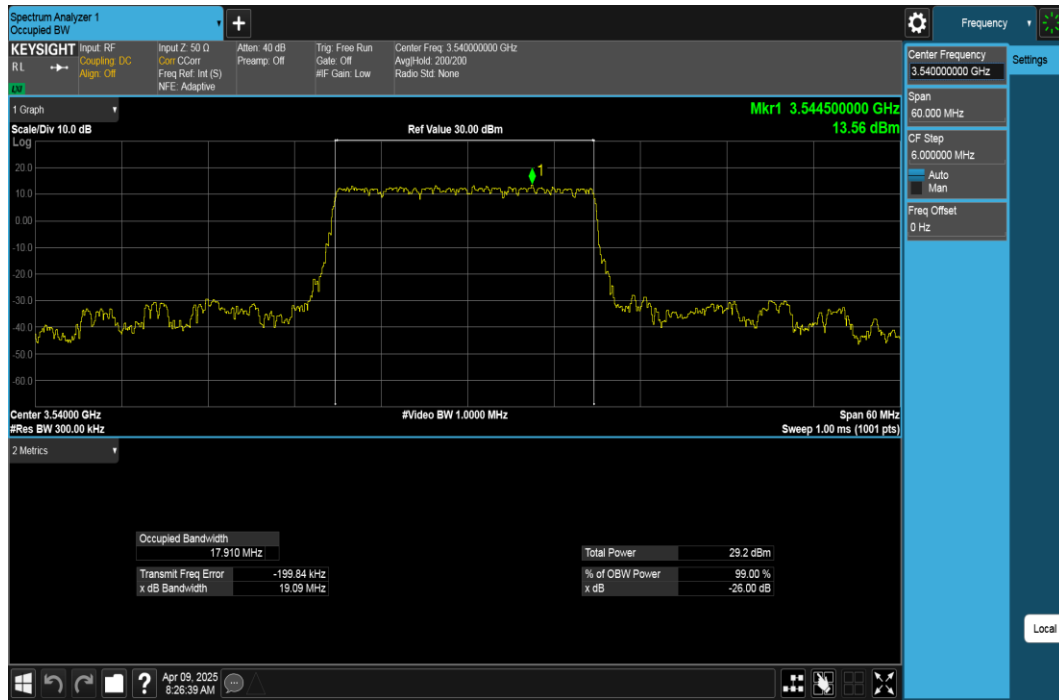
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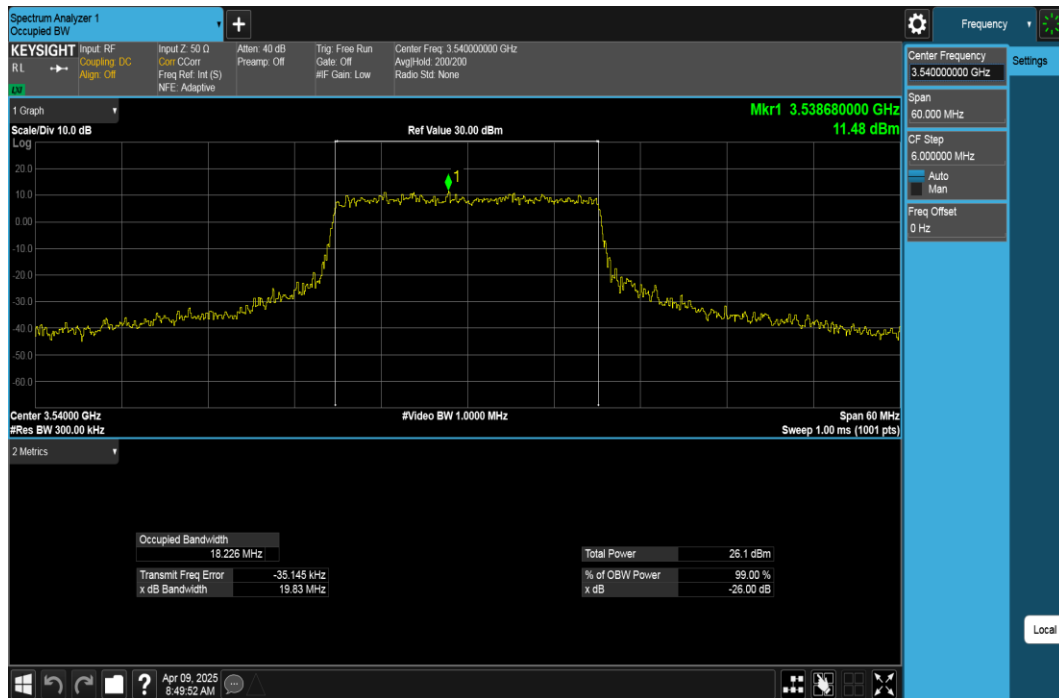
N78a(3450-3550MHz)-20M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



N78a(3450-3550MHz)-20M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

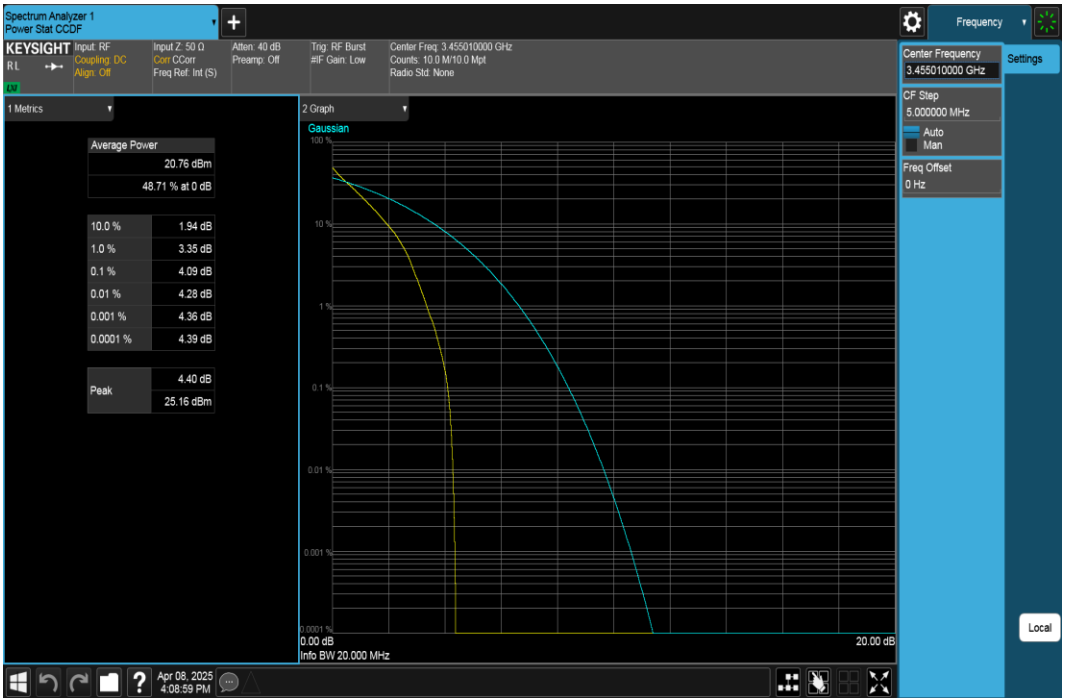


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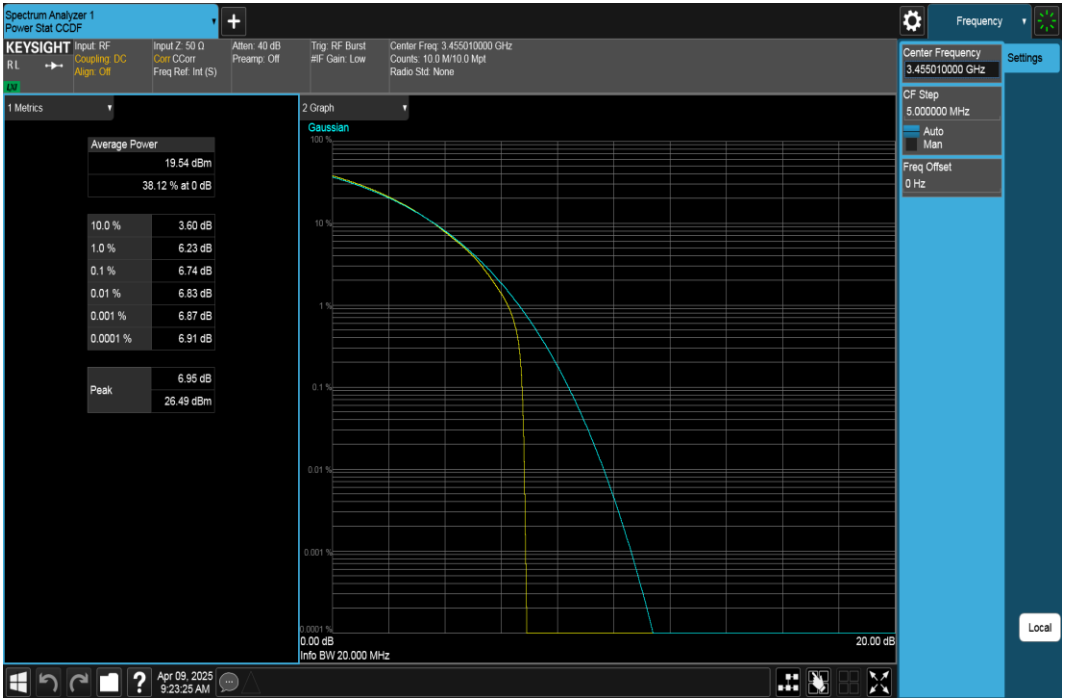


PAPR Test graph

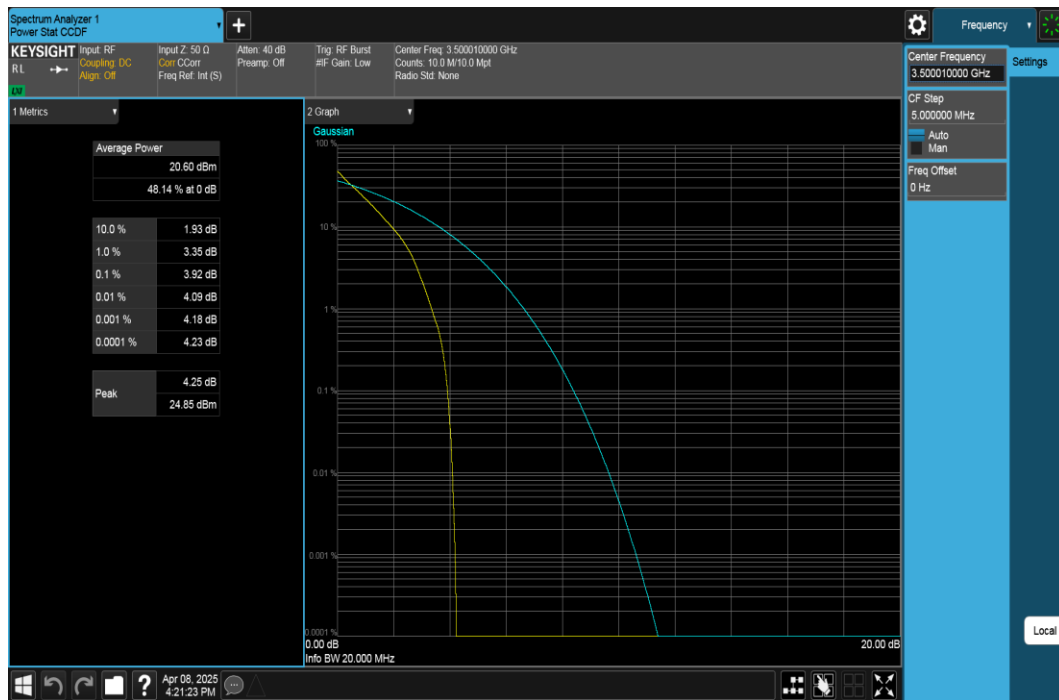
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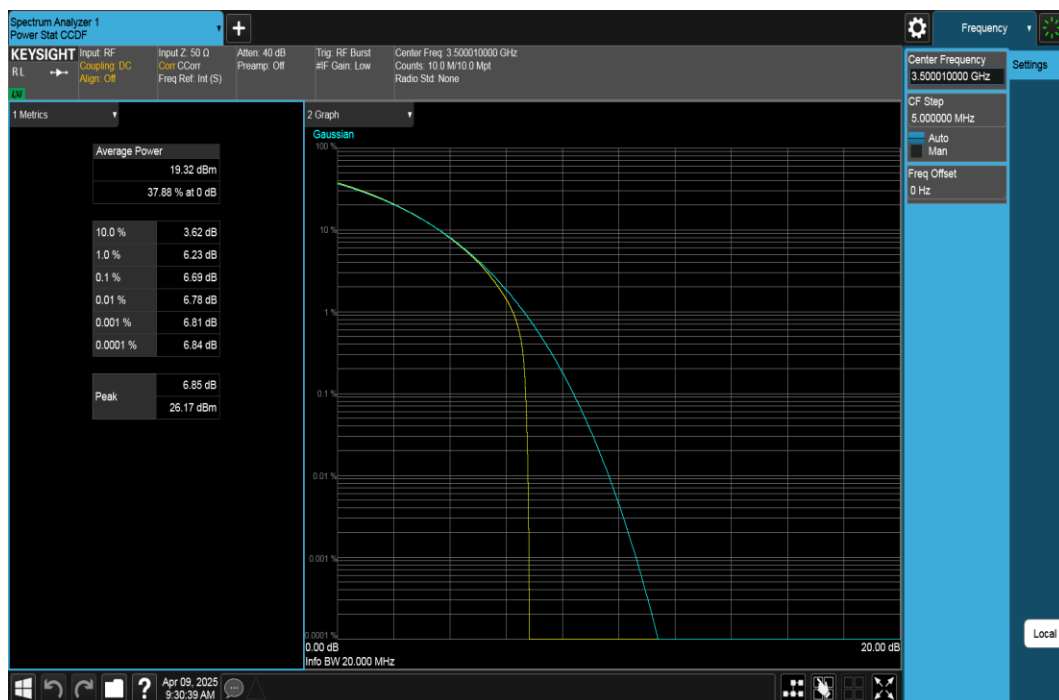
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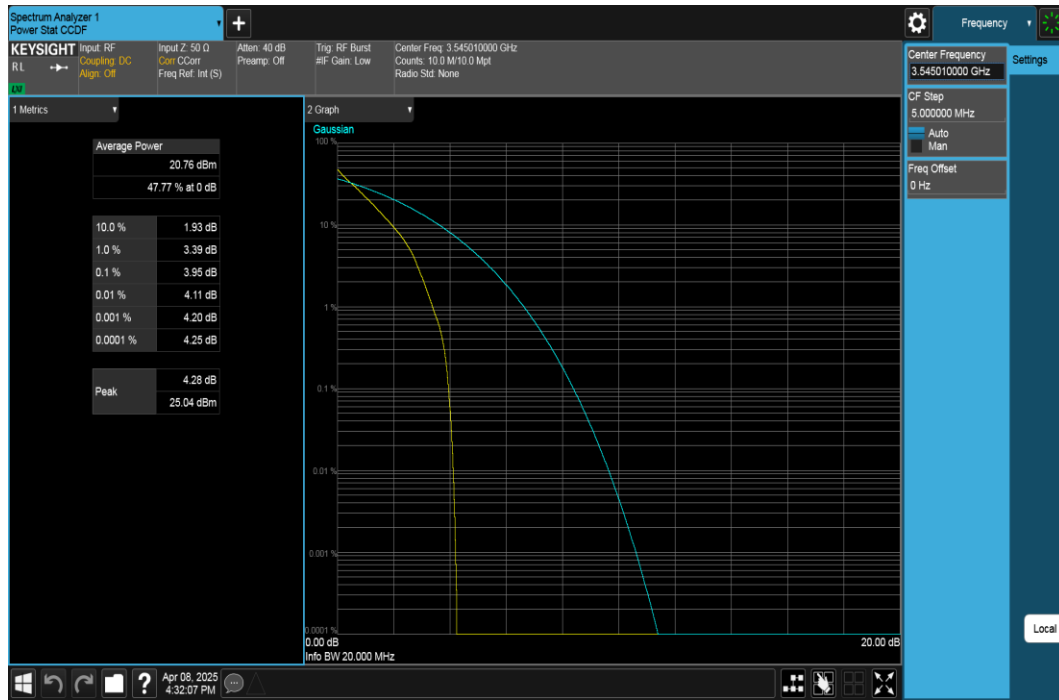
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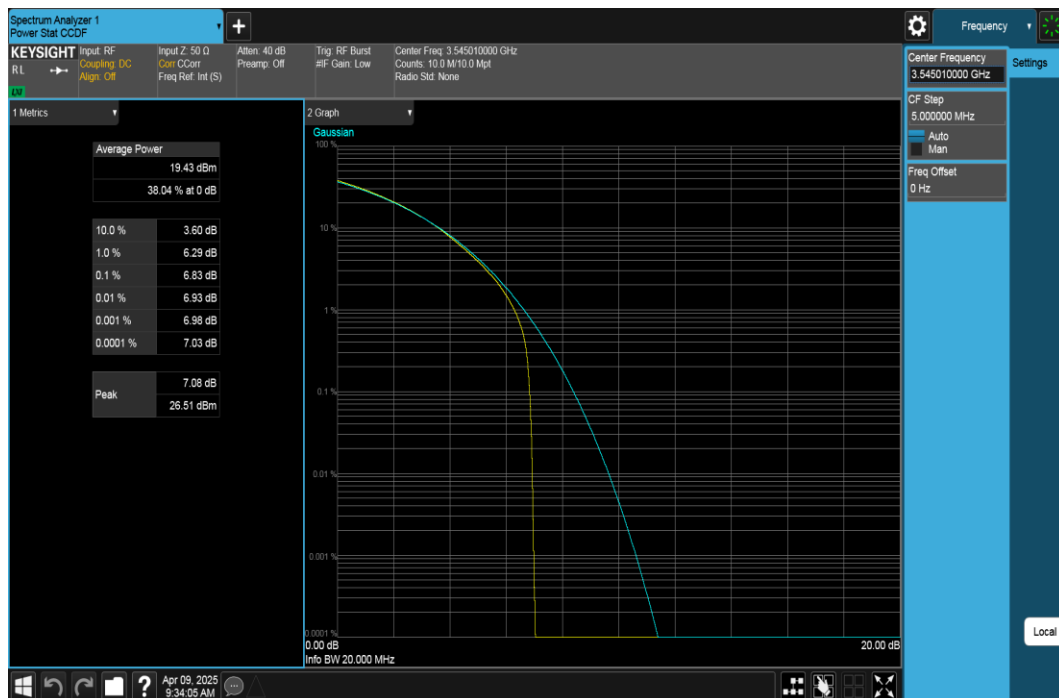
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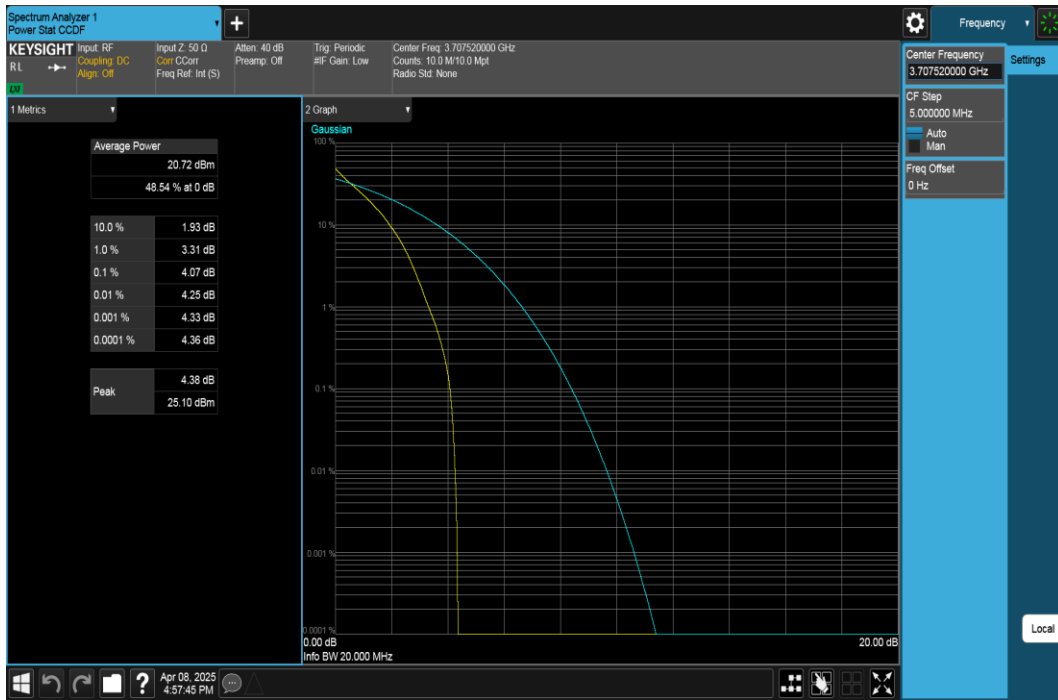
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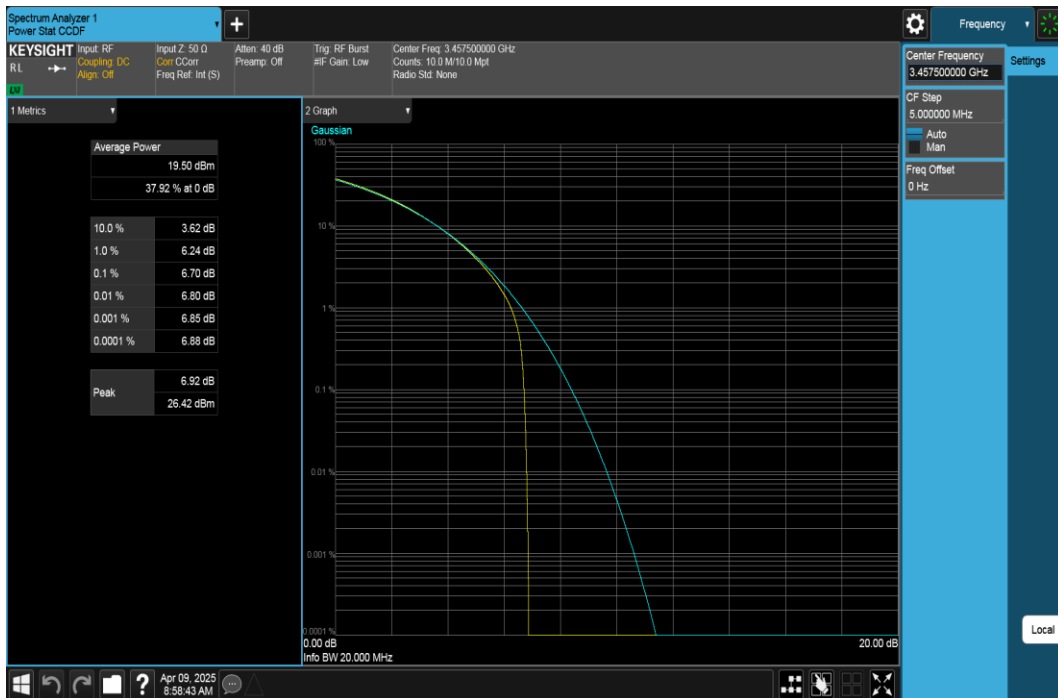
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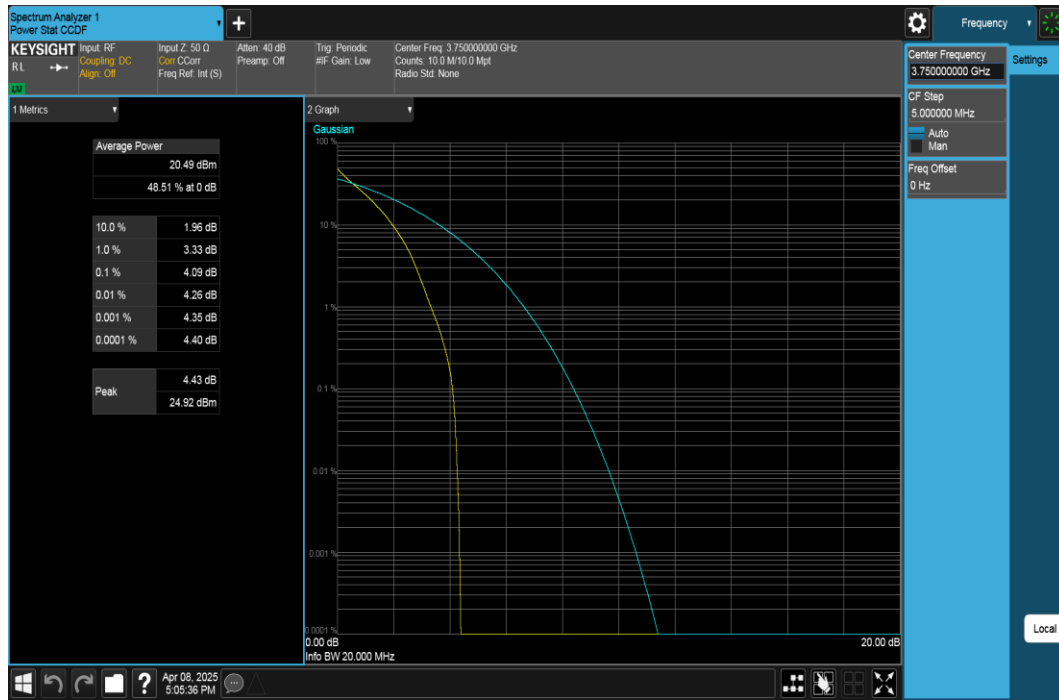
N78b(3700-3800MHz)-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



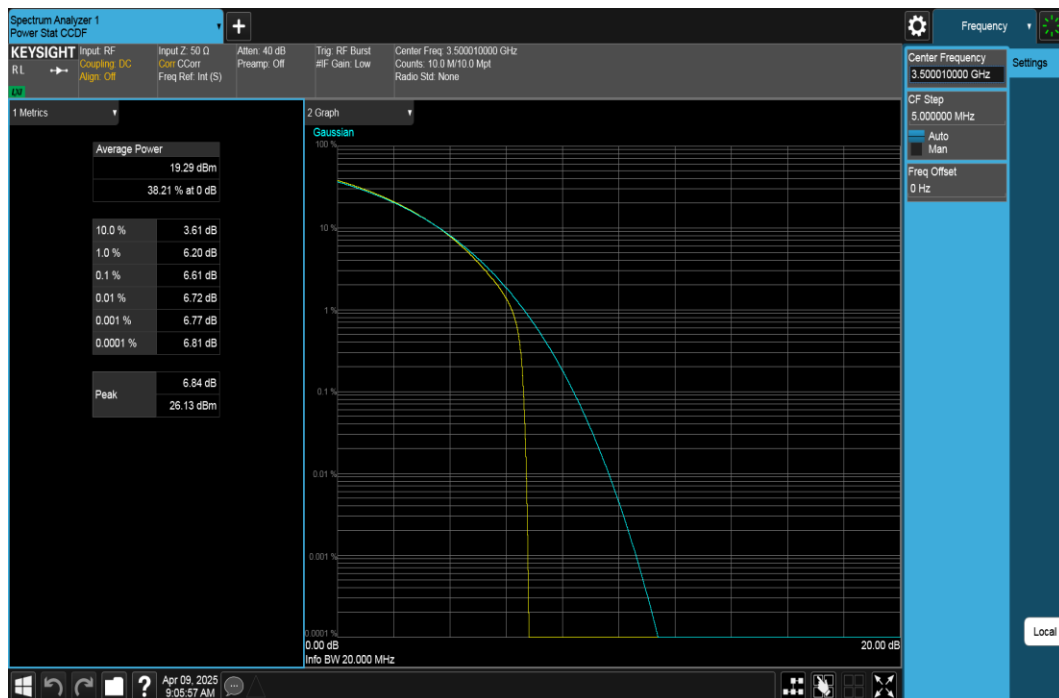
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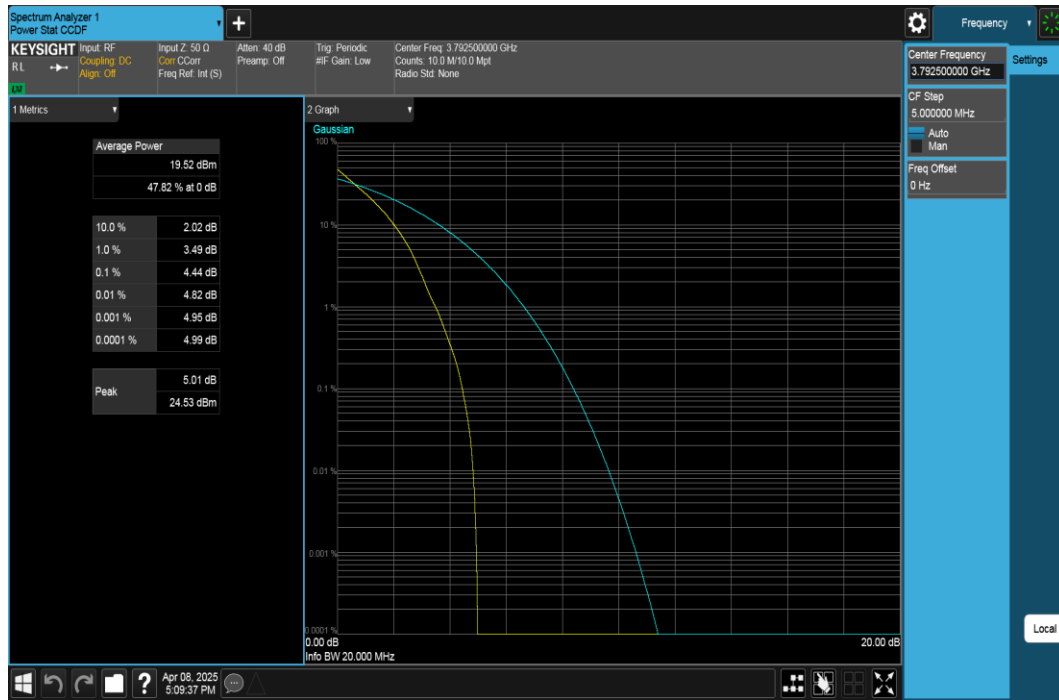
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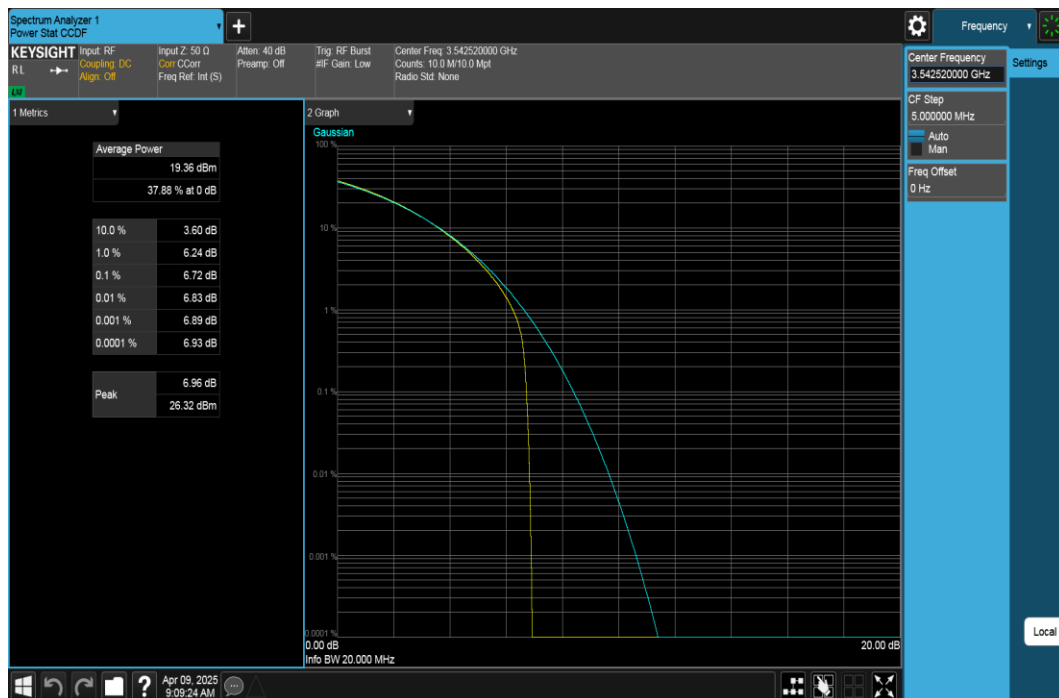
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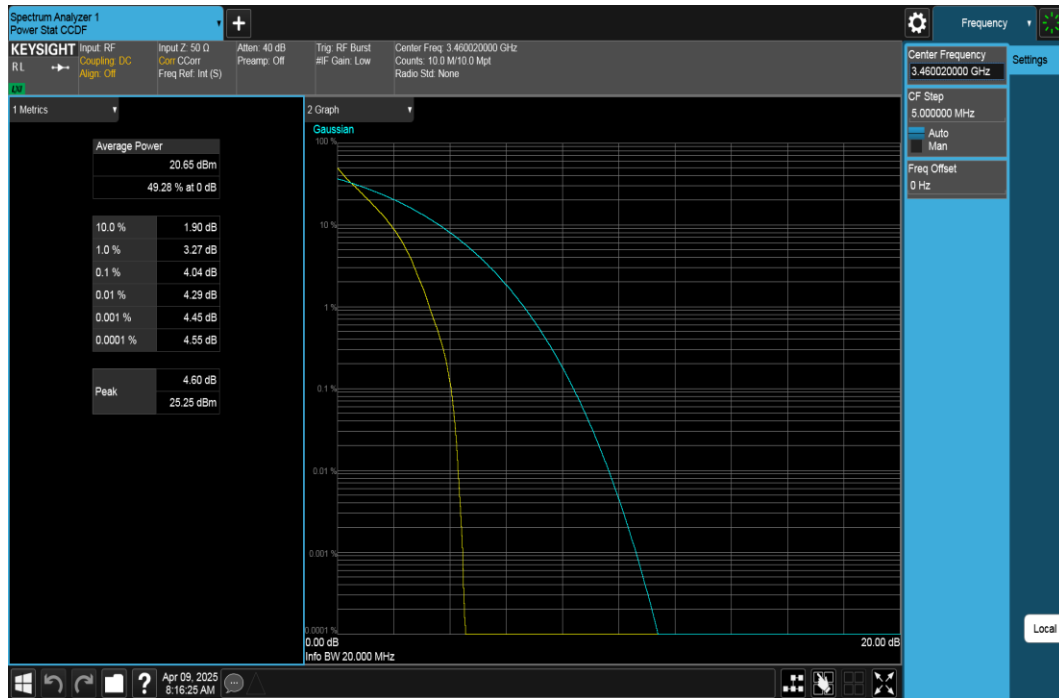
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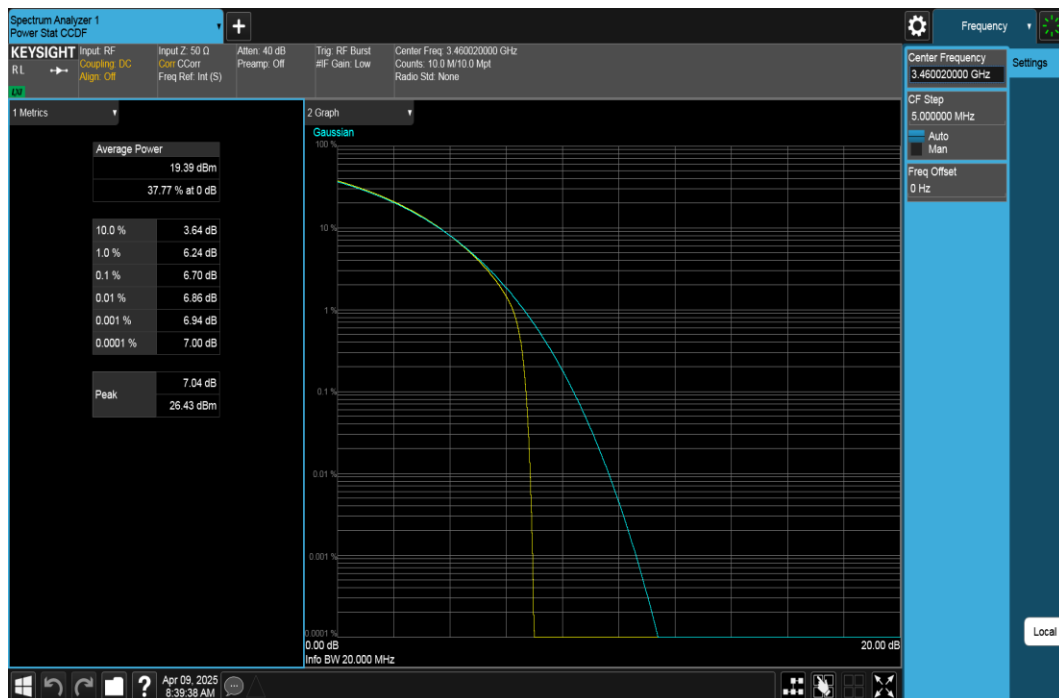
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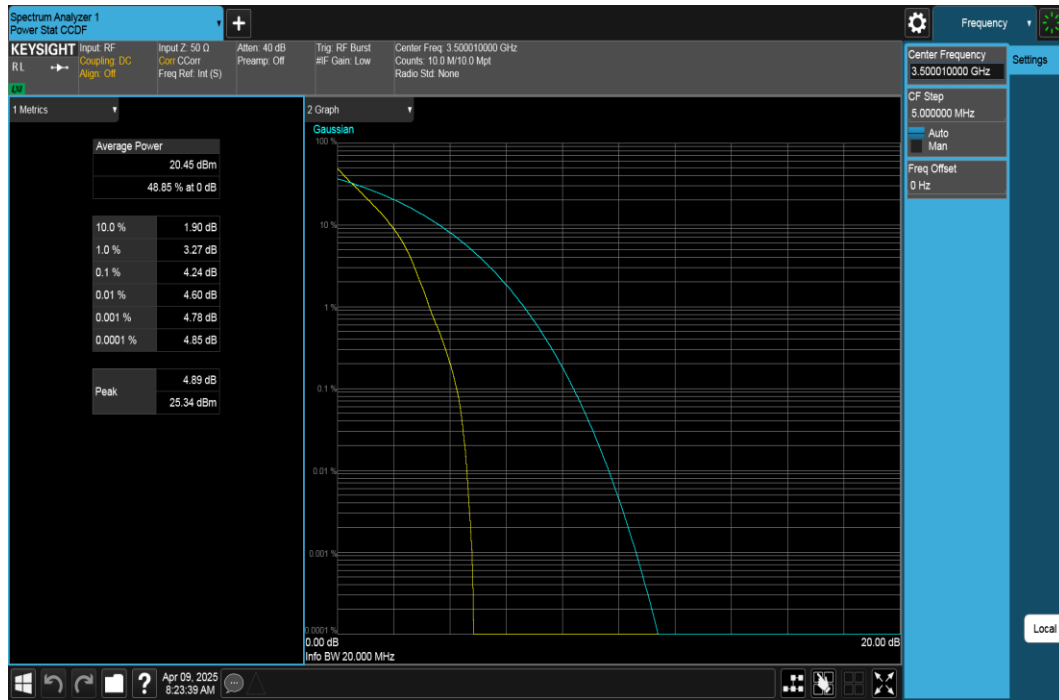
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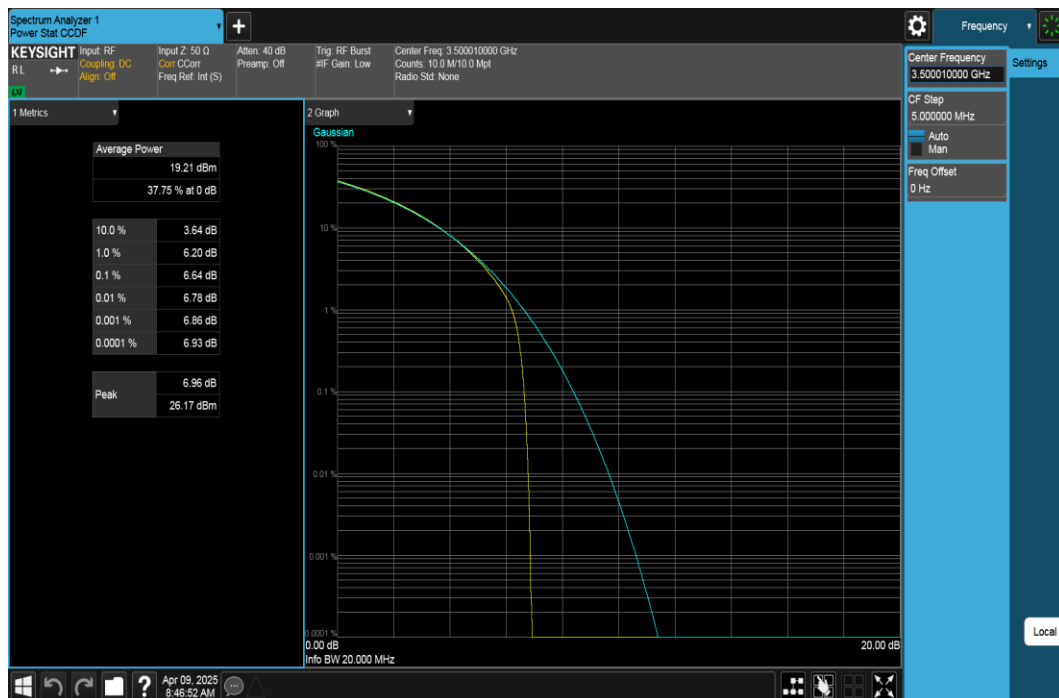
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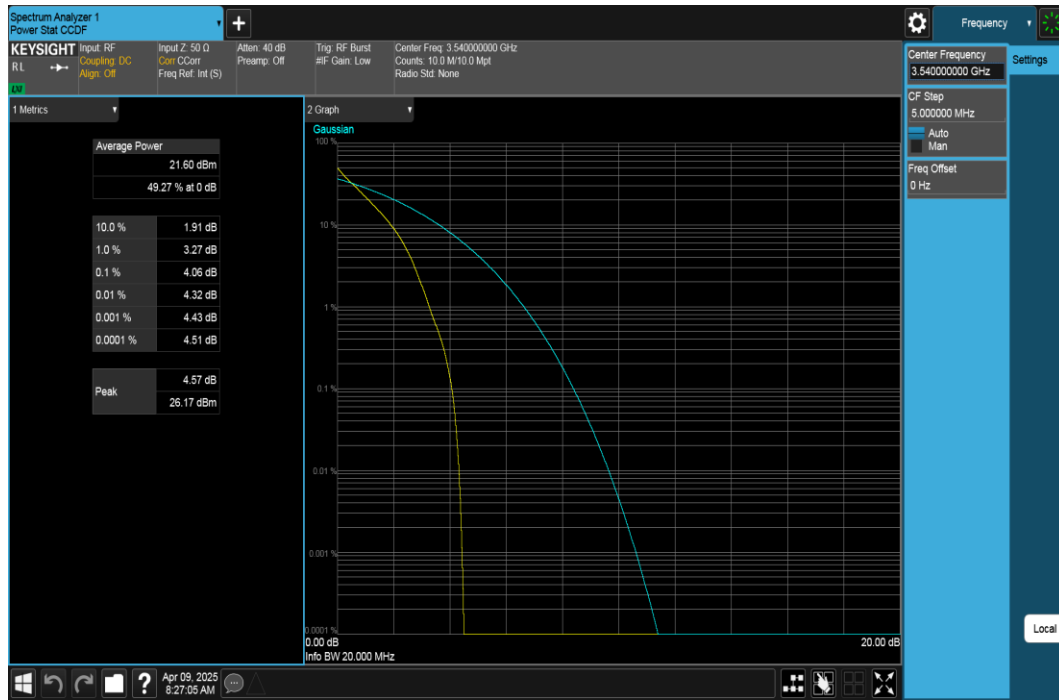
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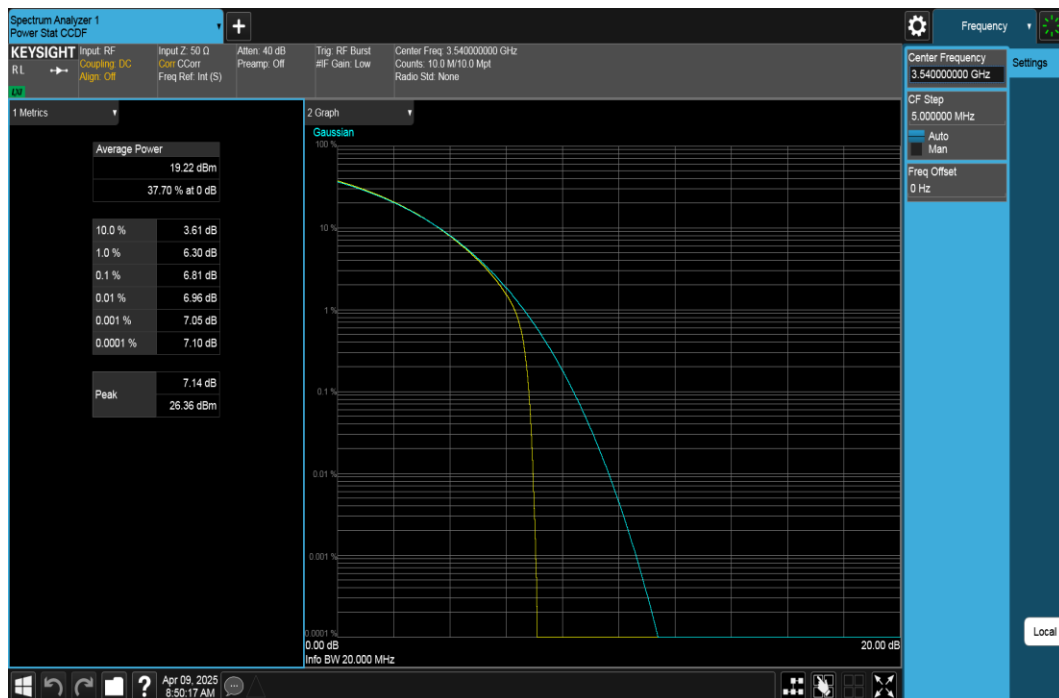
N78a(3450-3550MHz)-20M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N78a(3450-3550MHz)-20M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



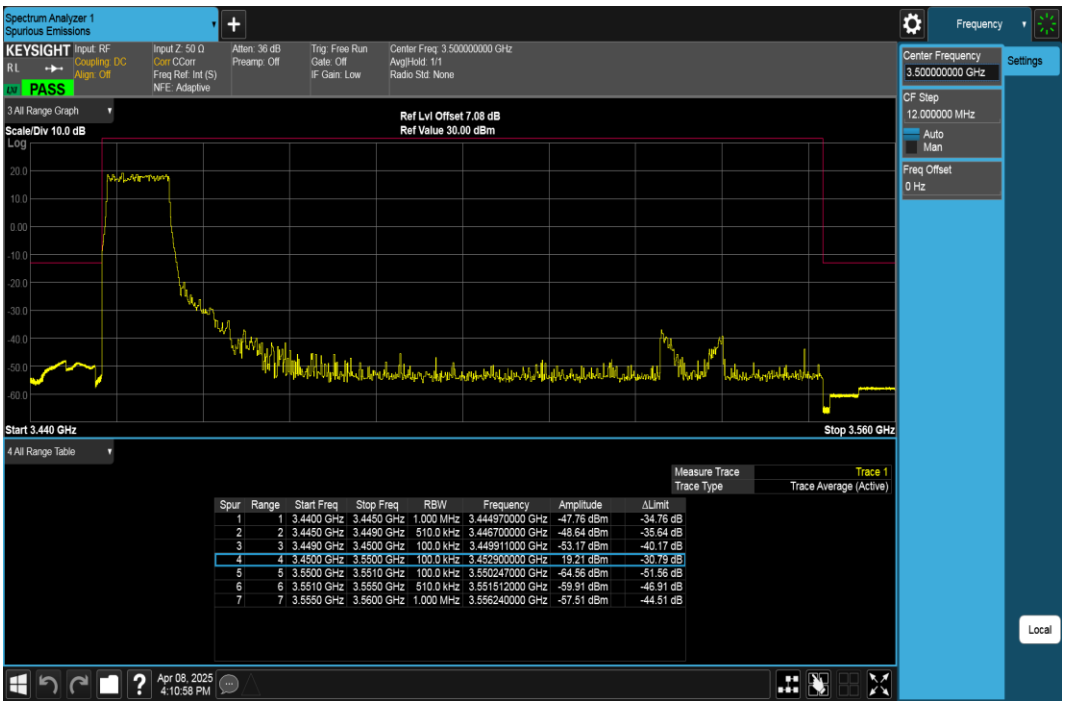
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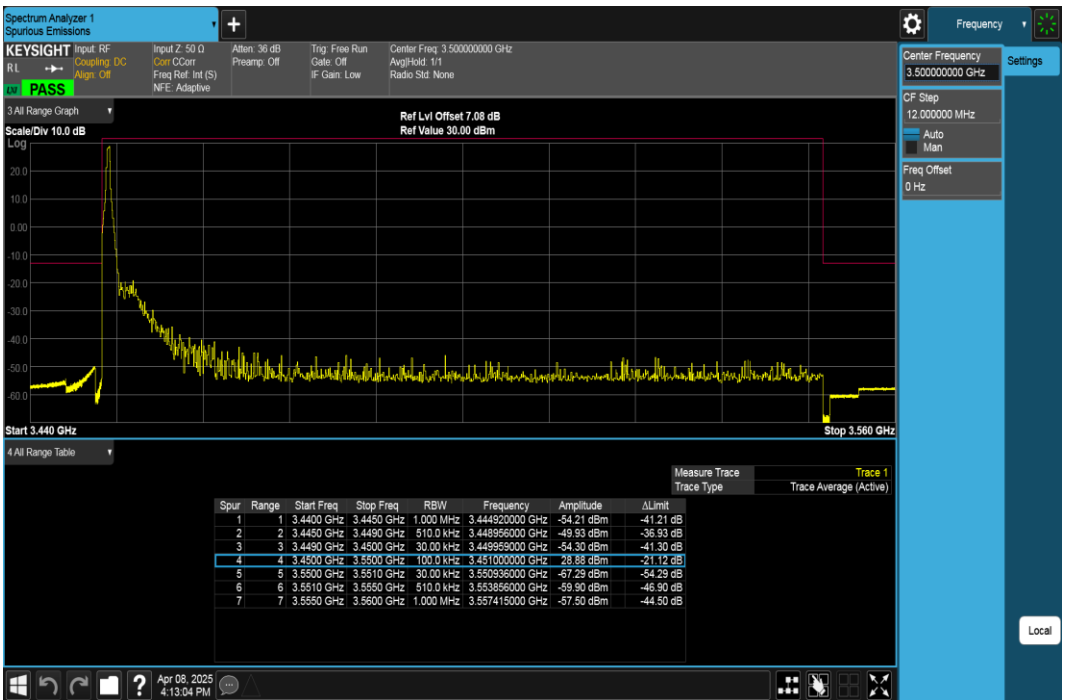
Bandedge

test graph

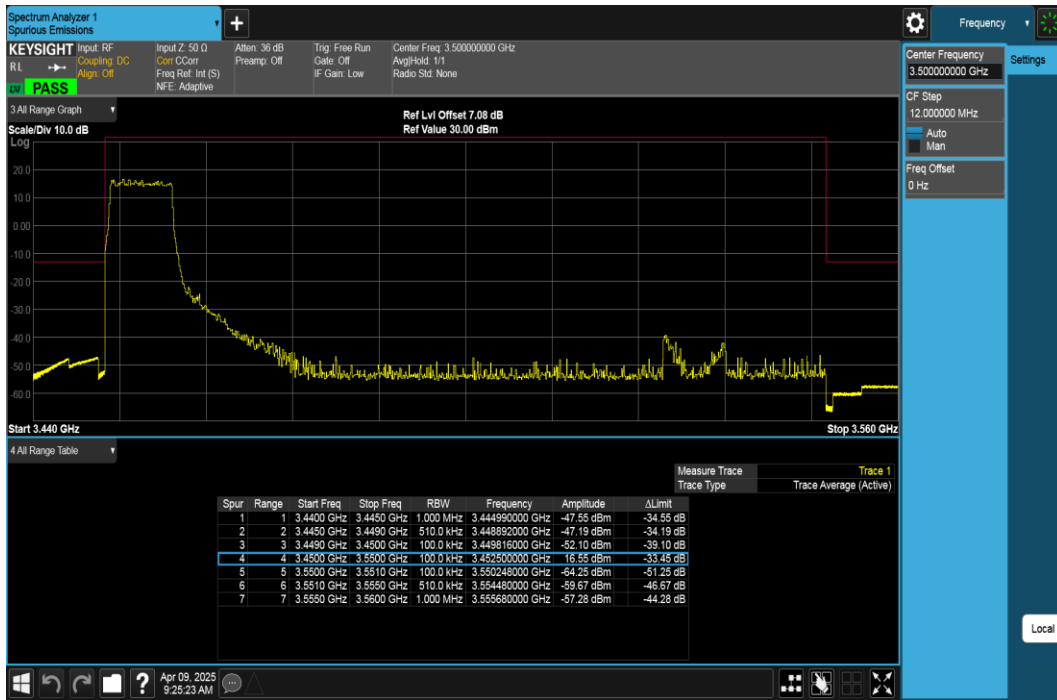
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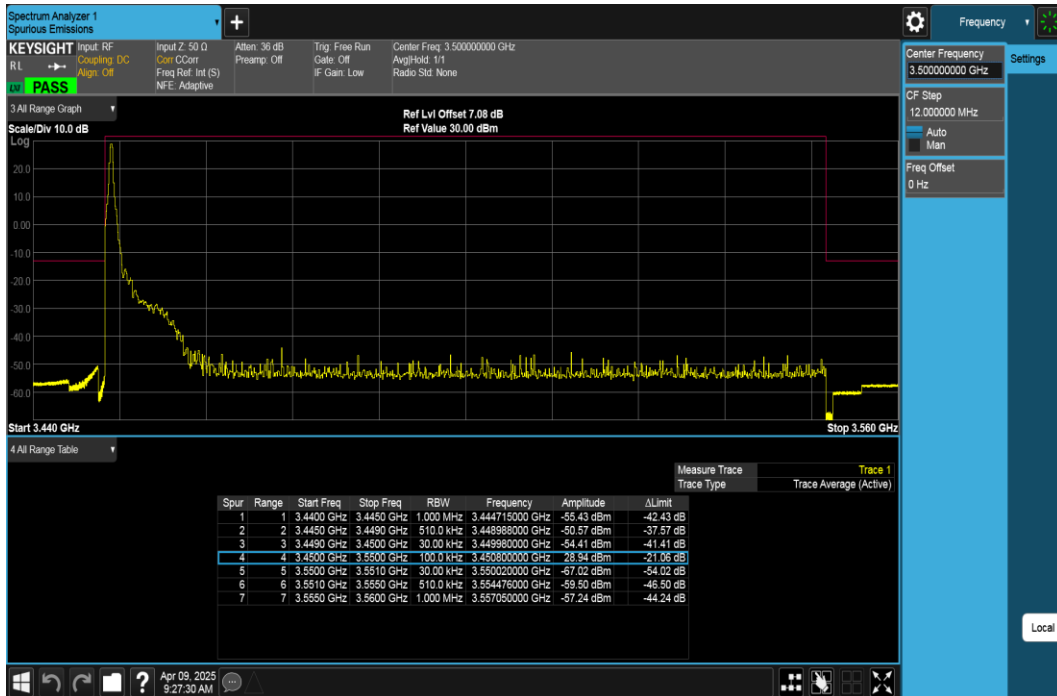
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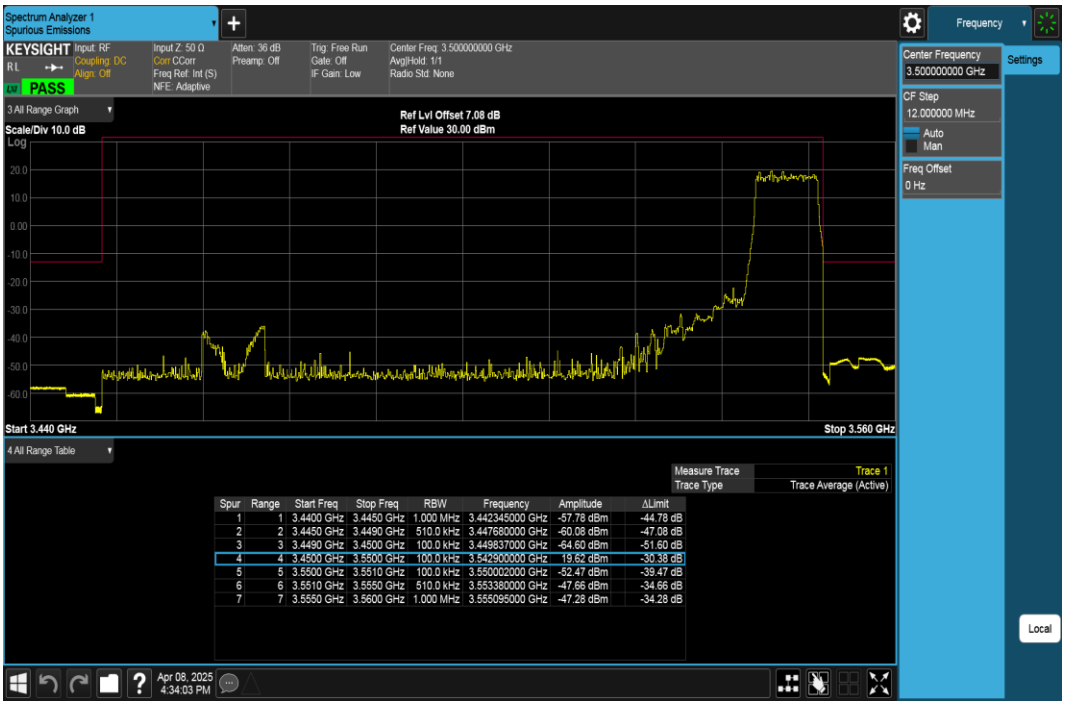
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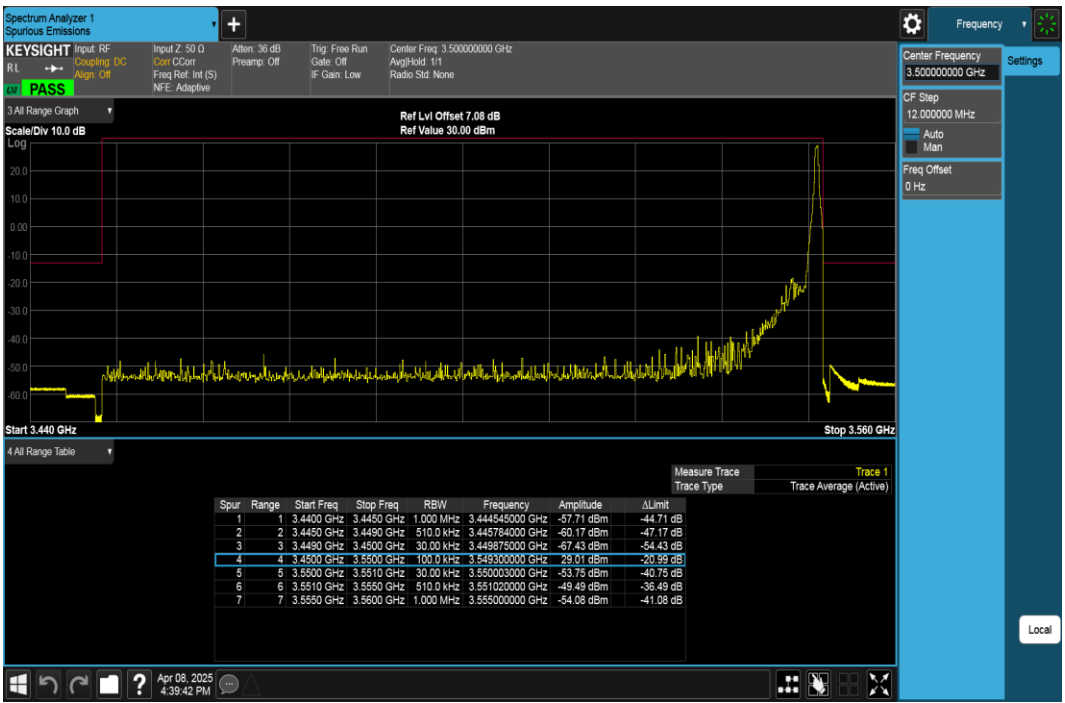
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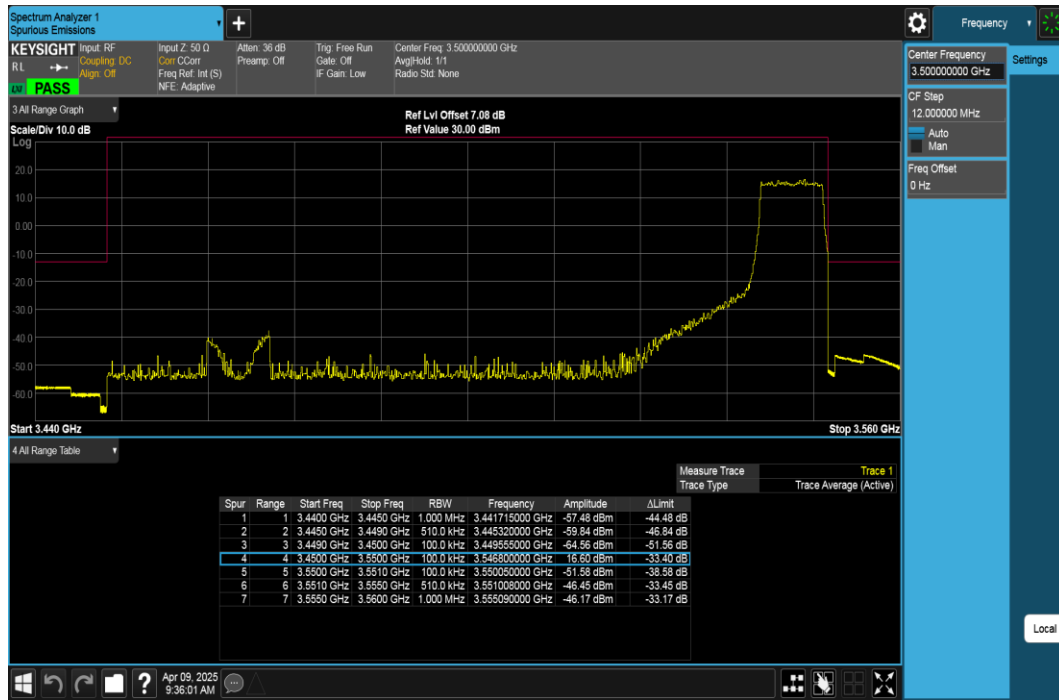
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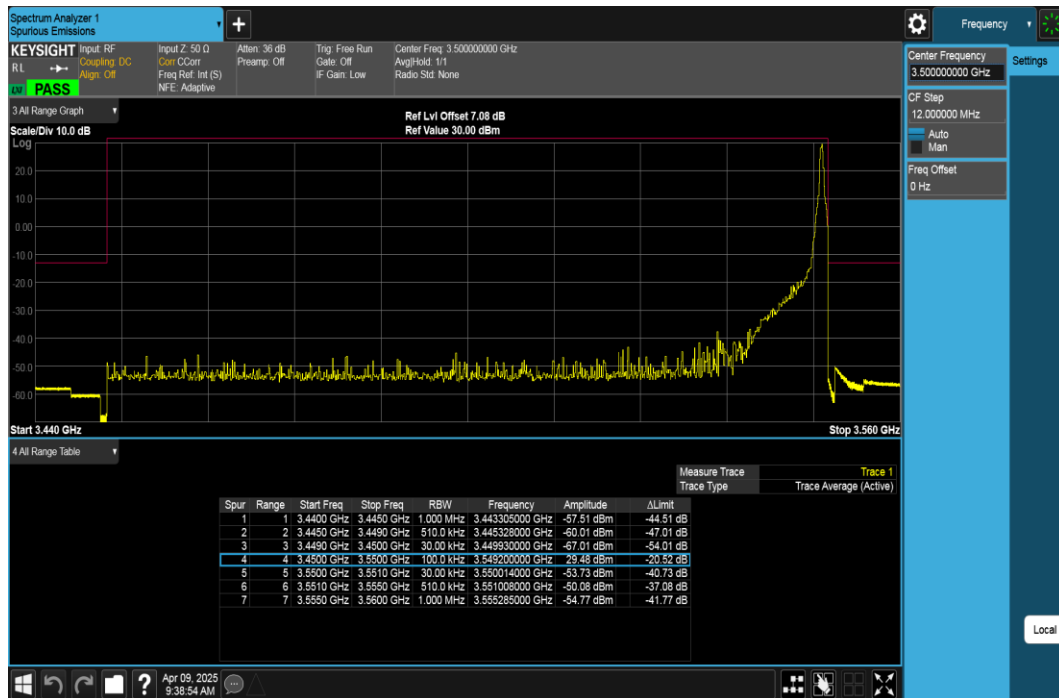
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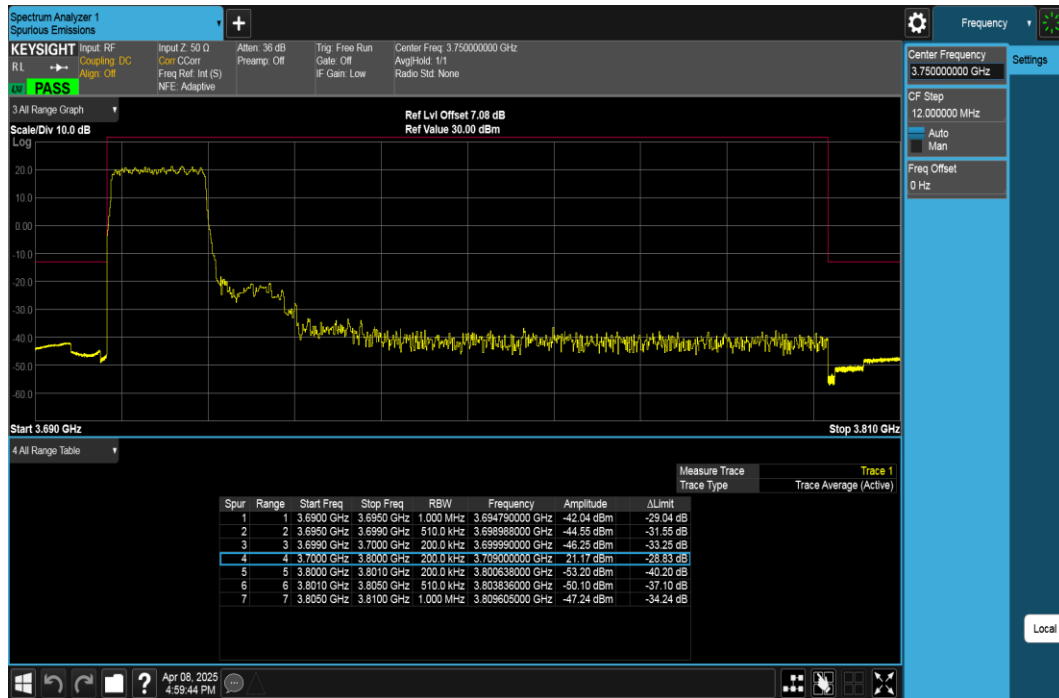
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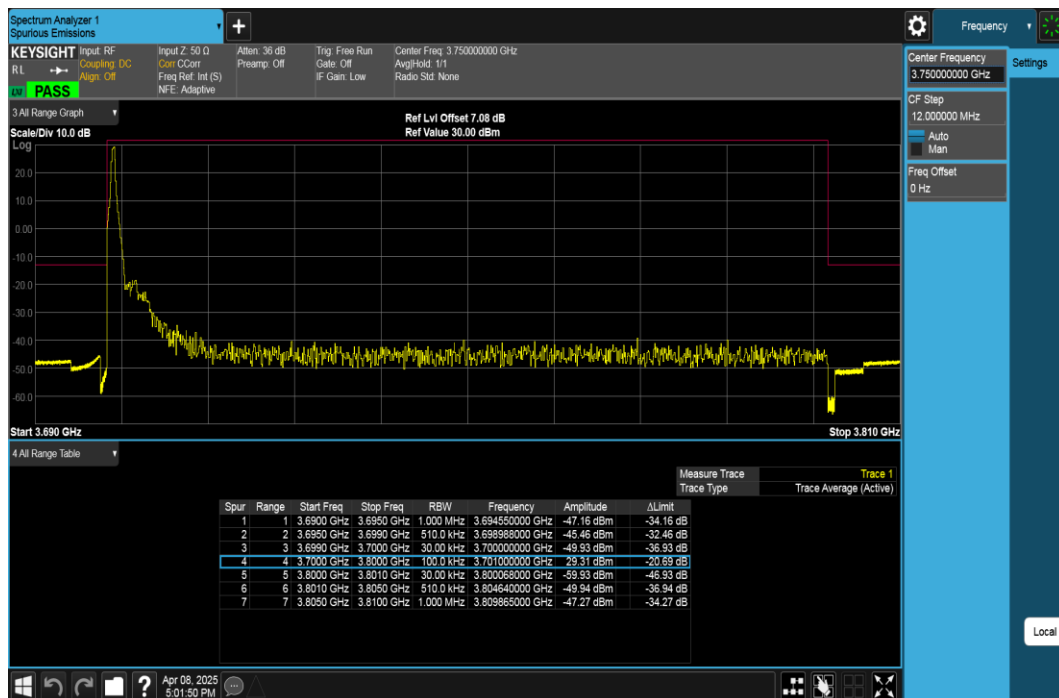
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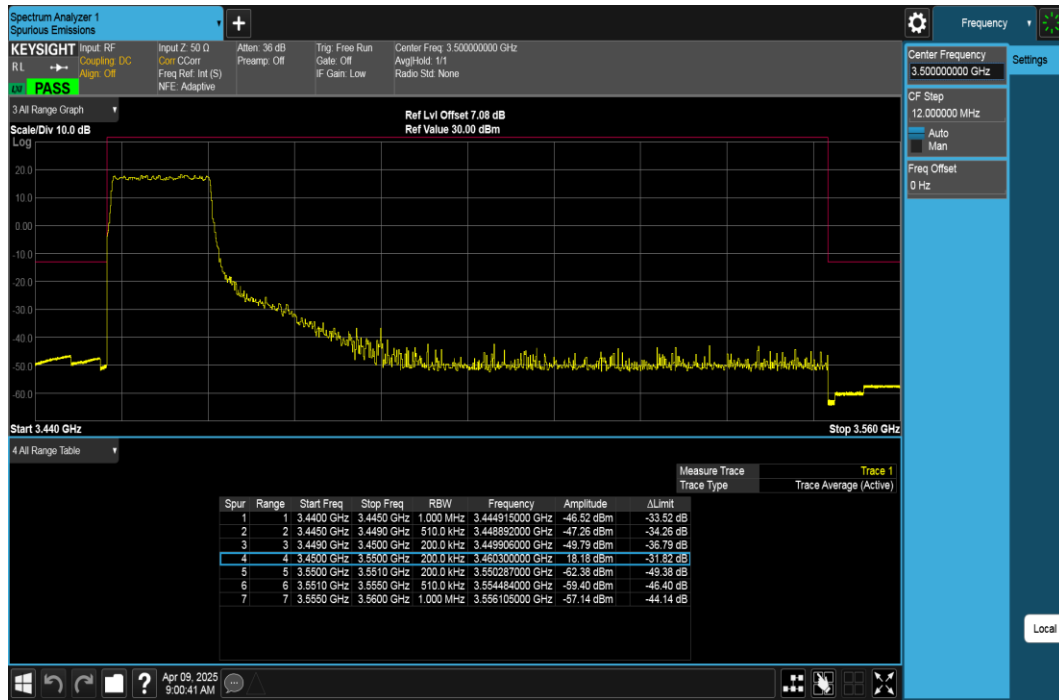
N78b(3700-3800MHz)-15M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



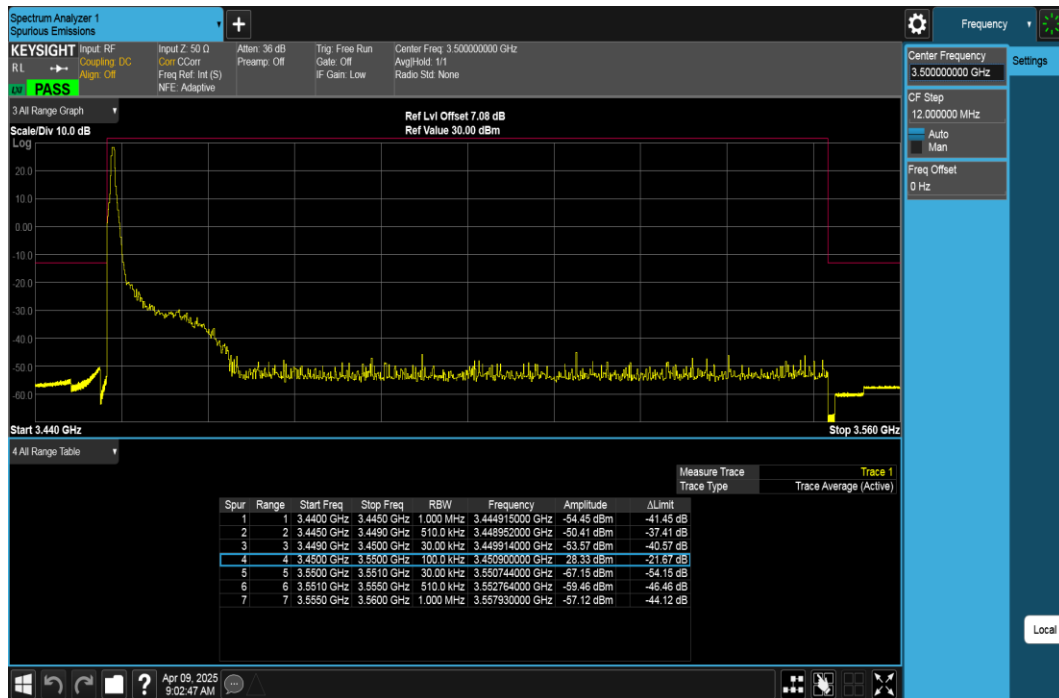
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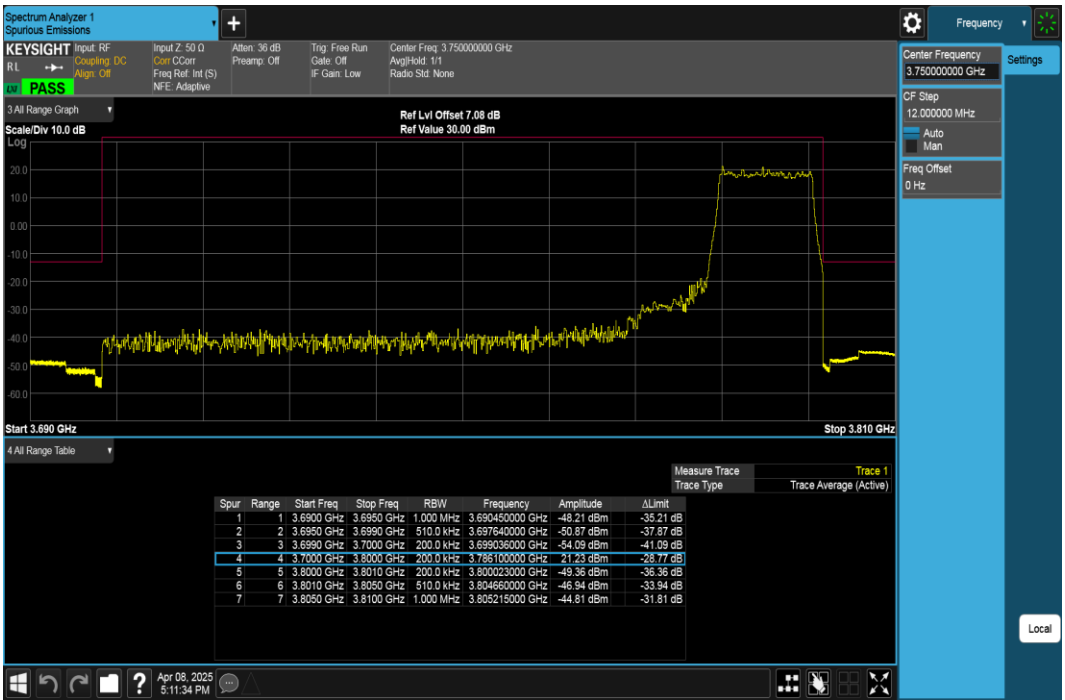
N78a(3450-3550MHz)-15M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



N78a(3450-3550MHz)-15M-Bandedge-LCH-CP-OFDM-QPSK-1RB0



N78b(3700-3800MHz)-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N78b(3700-3800MHz)-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

