

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	8.6025	9.876	/	Pass
CP-OFDM QPSK		Outer_Full	8.6191	9.894	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	8.5823	9.932	/	Pass
CP-OFDM QPSK		Outer_Full	8.606	9.788	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.6068	9.907	/	Pass
CP-OFDM QPSK		Outer_Full	8.6194	9.972	/	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	12.915	14.2	/	Pass
CP-OFDM QPSK		Outer_Full	13.637	15.21	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	12.943	14.27	/	Pass
CP-OFDM QPSK		Outer_Full	13.629	15.18	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	12.922	14.48	/	Pass
CP-OFDM QPSK		Outer_Full	13.633	15.07	/	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	17.856	19.04	/	Pass
CP-OFDM QPSK		Outer_Full	18.271	19.69	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	17.884	19.46	/	Pass
CP-OFDM QPSK		Outer_Full	18.272	20.01	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.871	19.09	/	Pass
CP-OFDM QPSK		Outer_Full	18.249	19.45	/	Pass

Peak-Average Ratio

Test Result

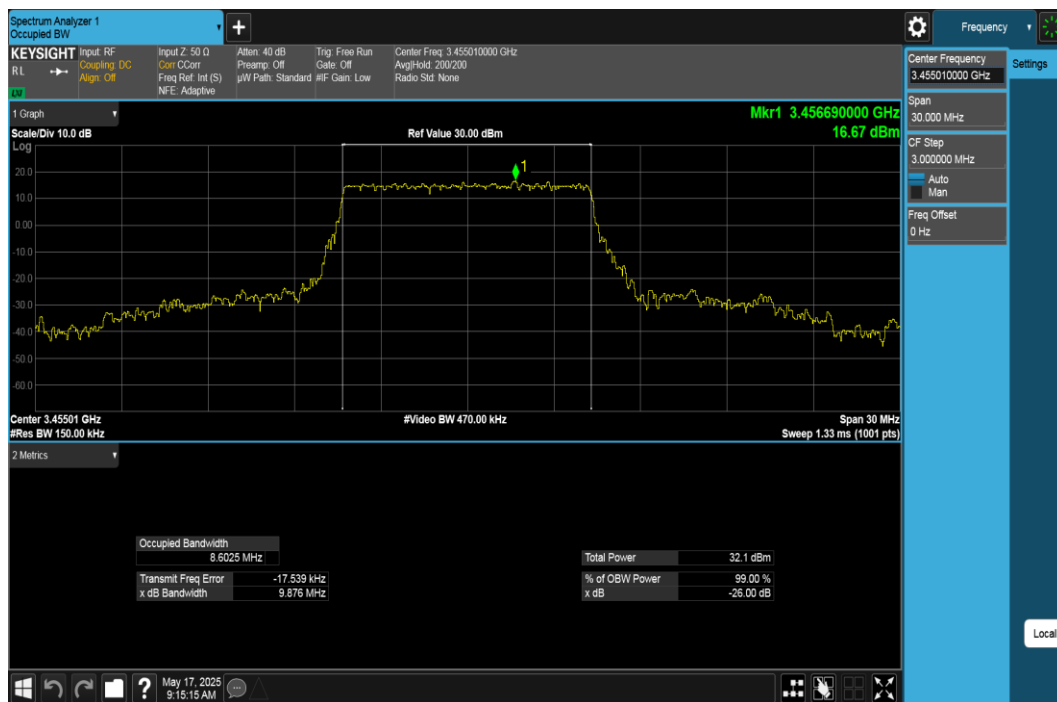
5G NR N78a(3450-3550MHz) SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.86	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.52	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.73	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.91	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.51	<=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	3.92	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.63	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.01	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.66	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.25	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.5	<=13	Pass

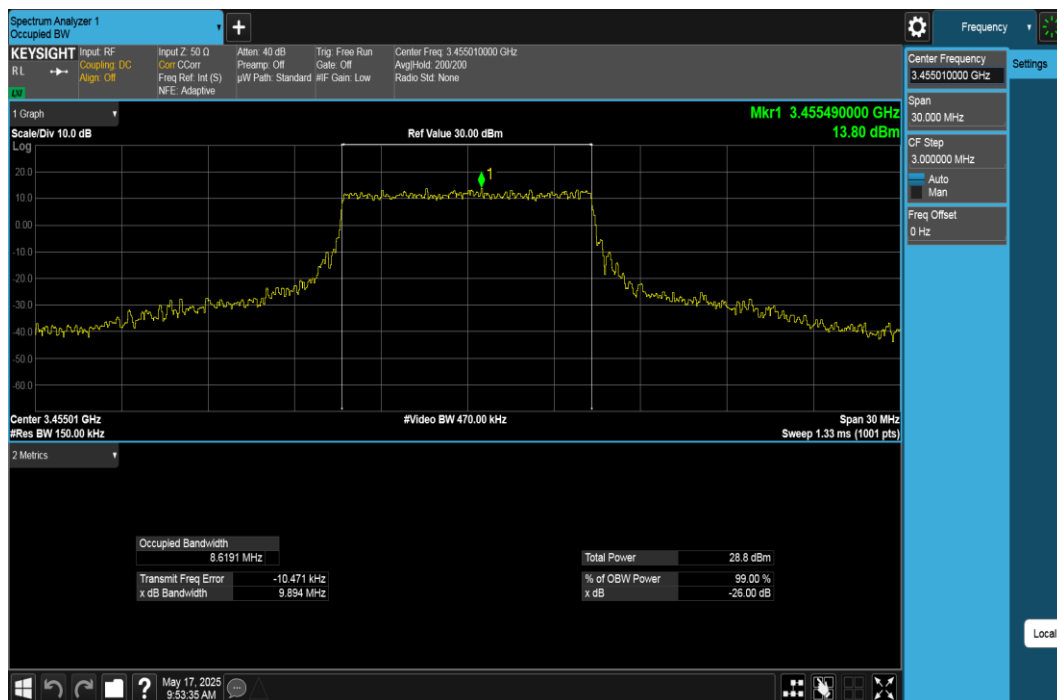
5G NR N78a(3450-3550MHz) SCS=30kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.08	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.43	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.05	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.64	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.96	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.96	<=13	Pass

OBW test graph

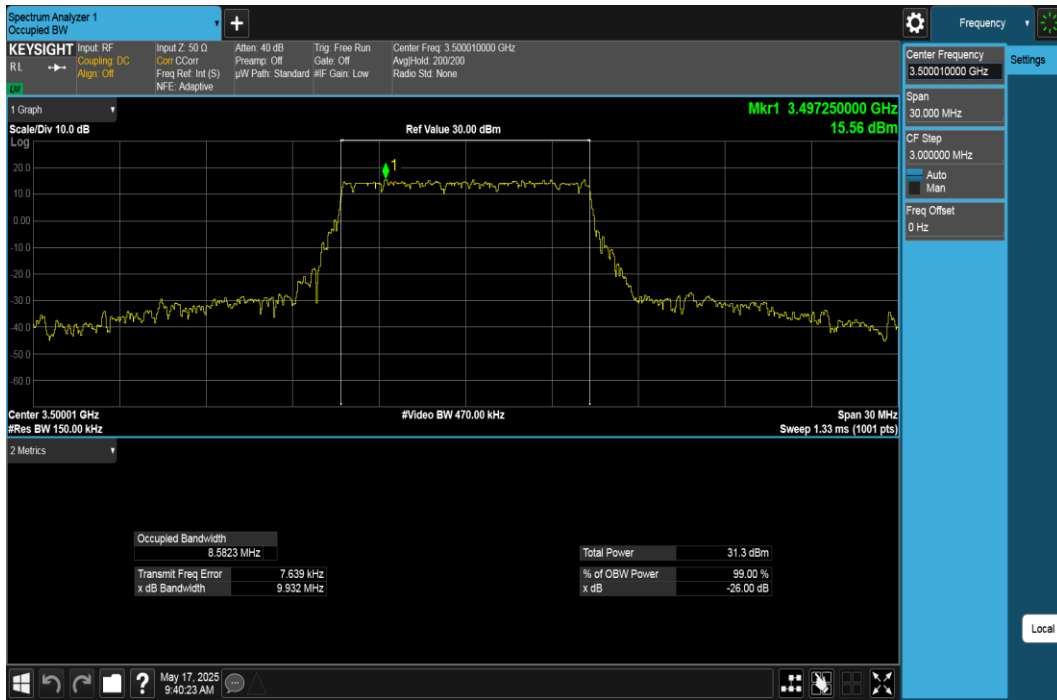
N78a(3450-3550MHz)-10M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



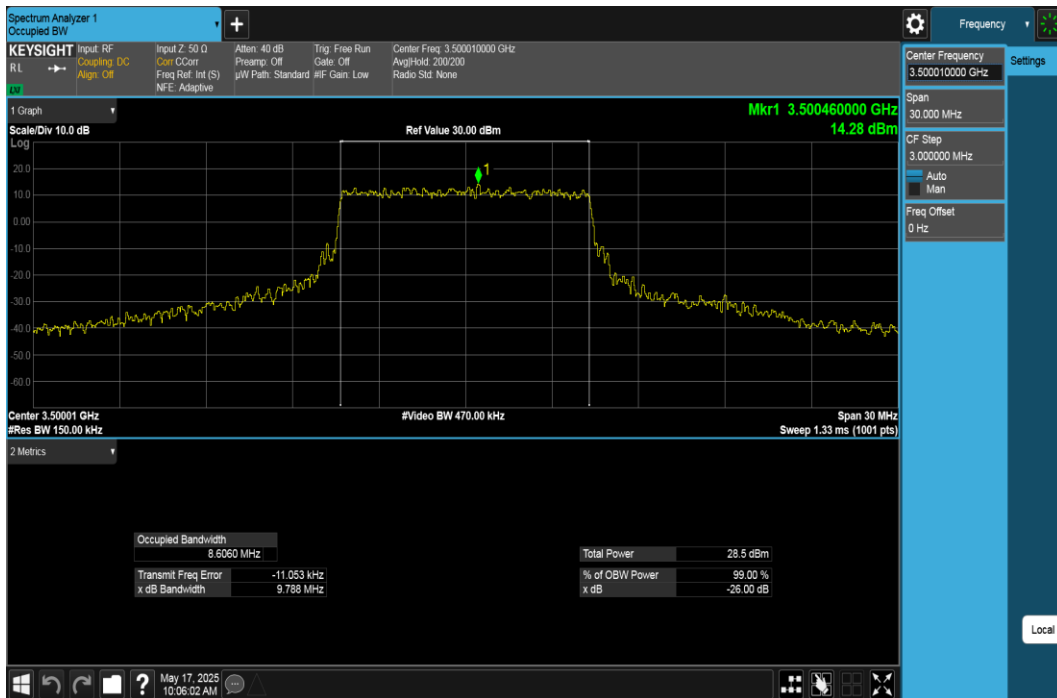
N78a(3450-3550MHz)-10M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



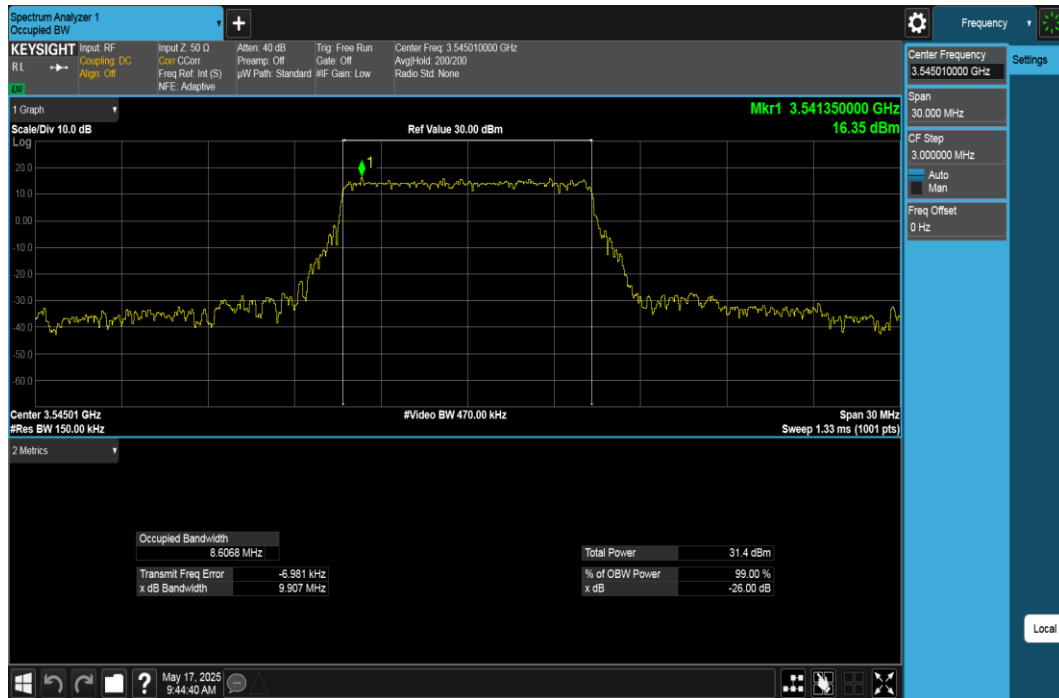
N78a(3450-3550MHz)-10M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



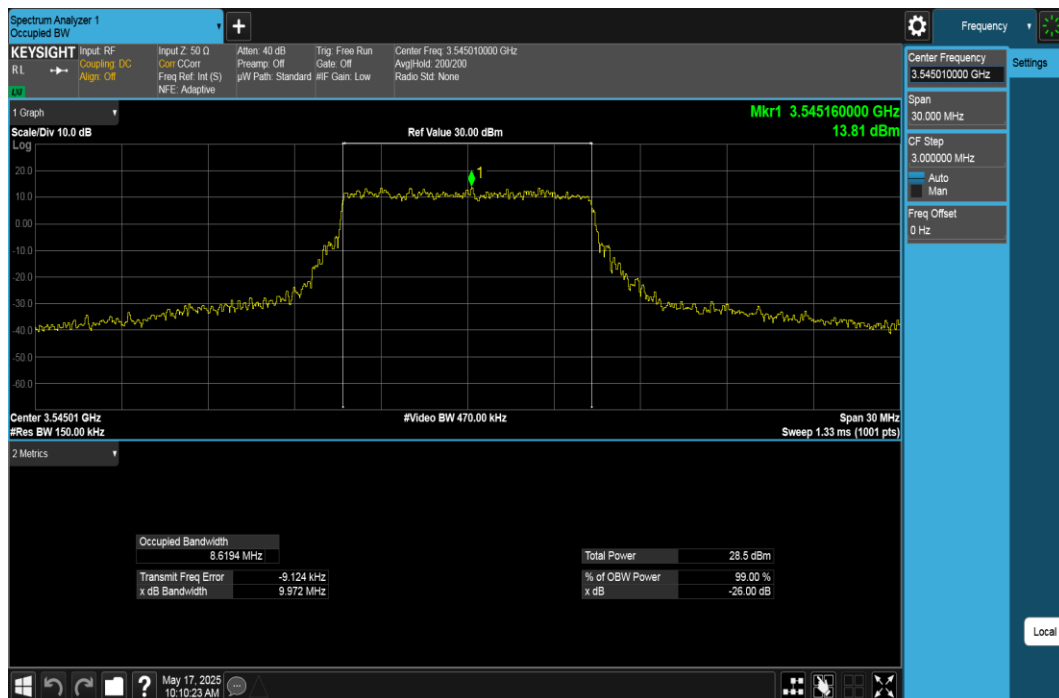
N78a(3450-3550MHz)-10M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



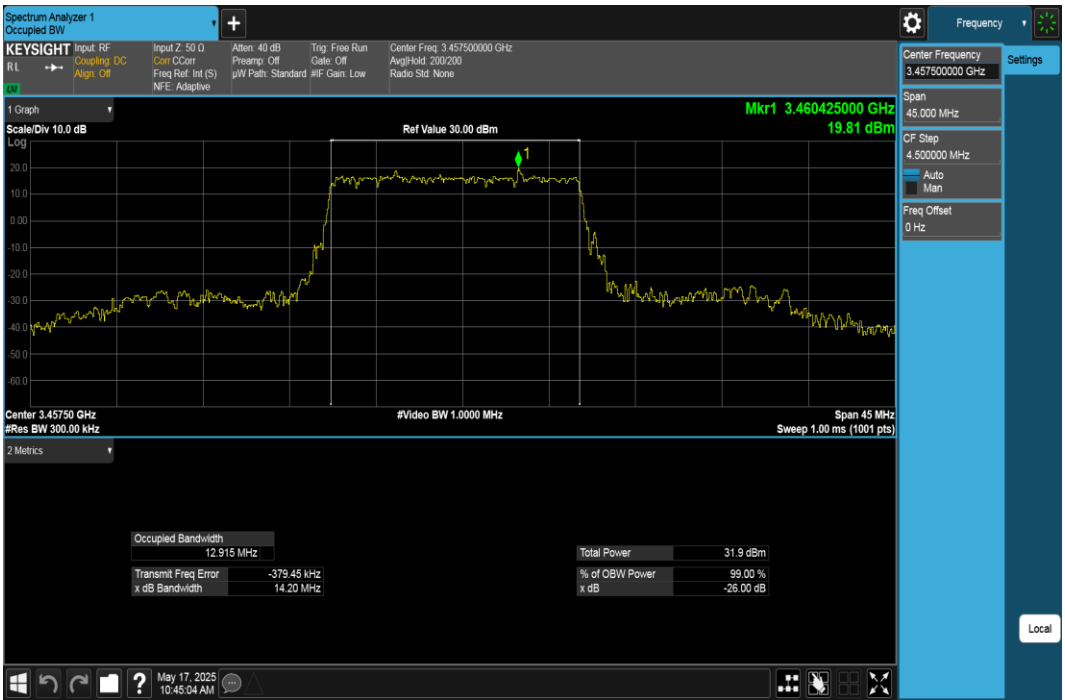
N78a(3450-3550MHz)-10M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



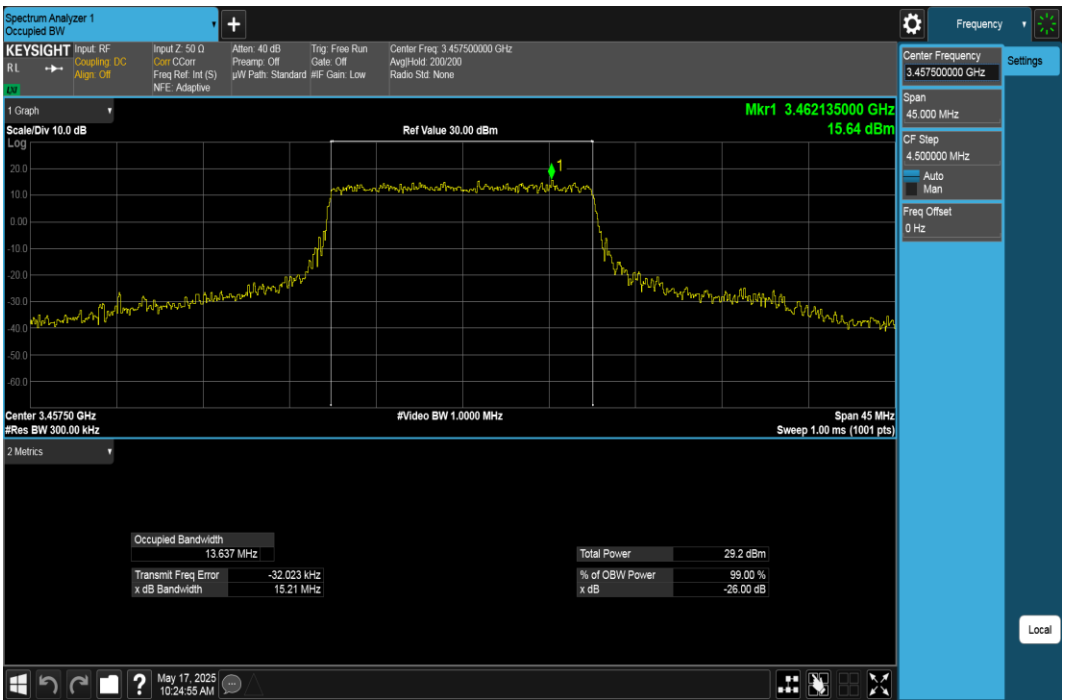
N78a(3450-3550MHz)-10M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



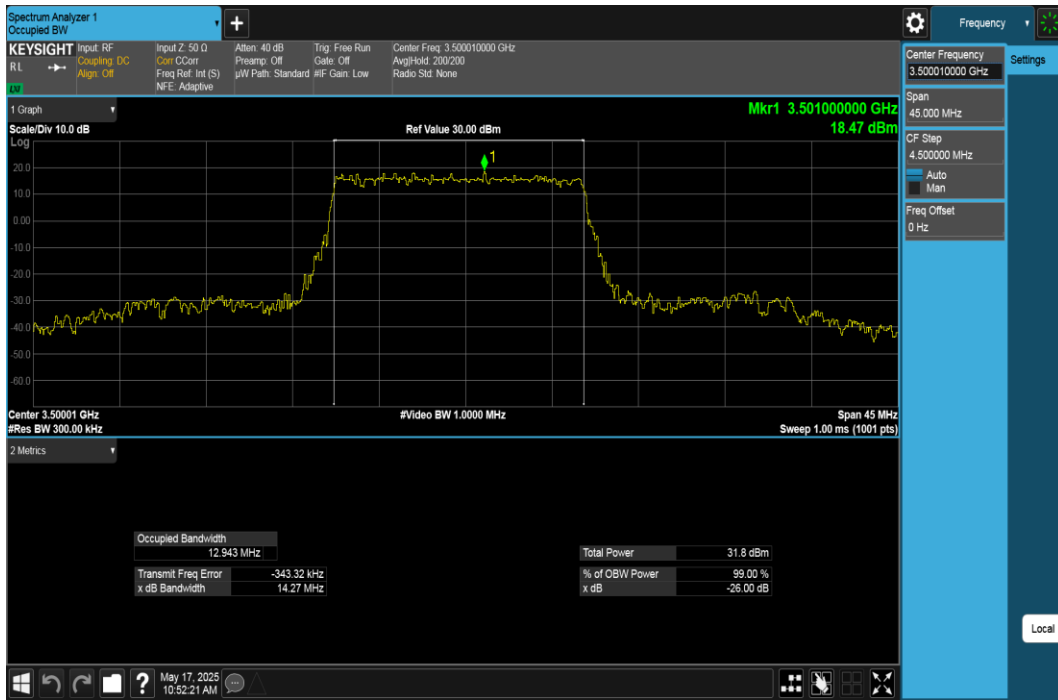
N78a(3450-3550MHz)-15M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



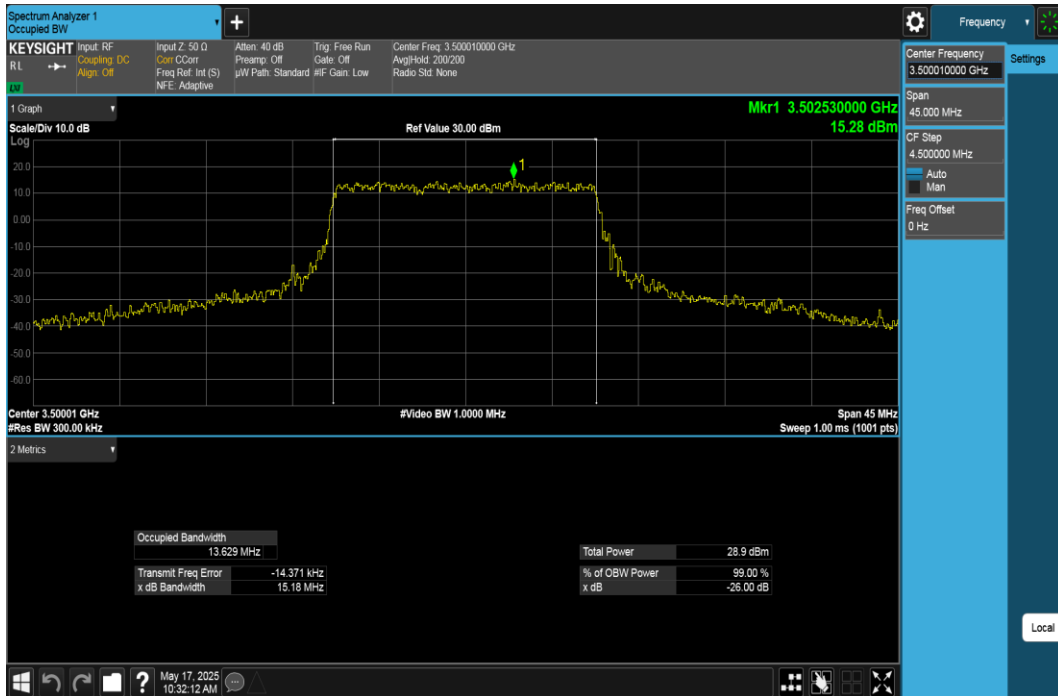
N78a(3450-3550MHz)-15M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



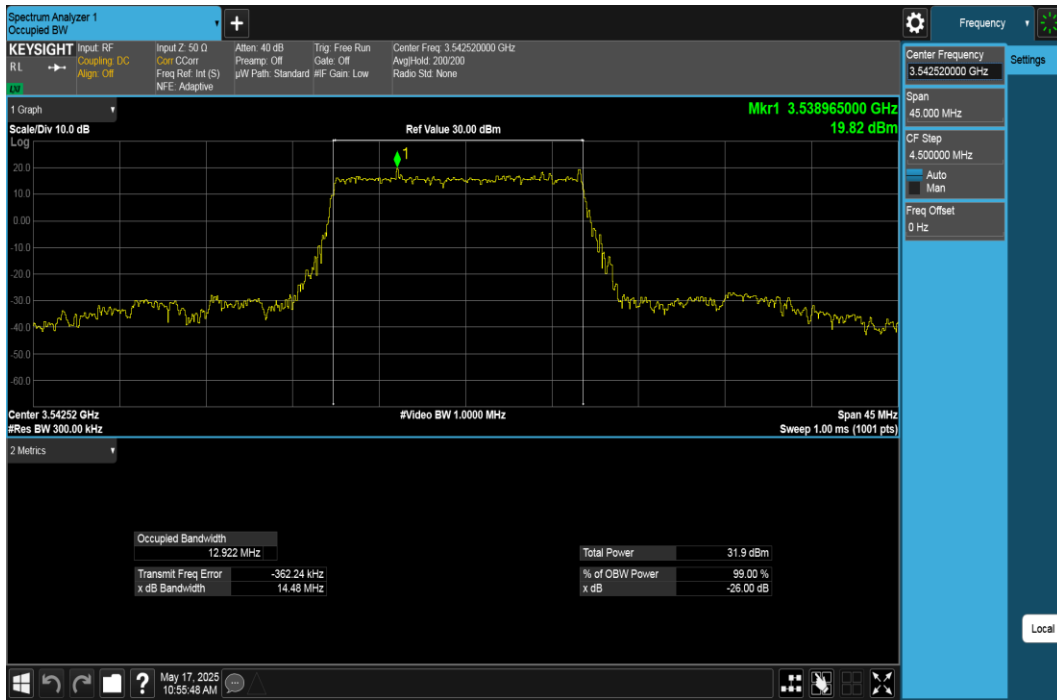
N78a(3450-3550MHz)-15M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



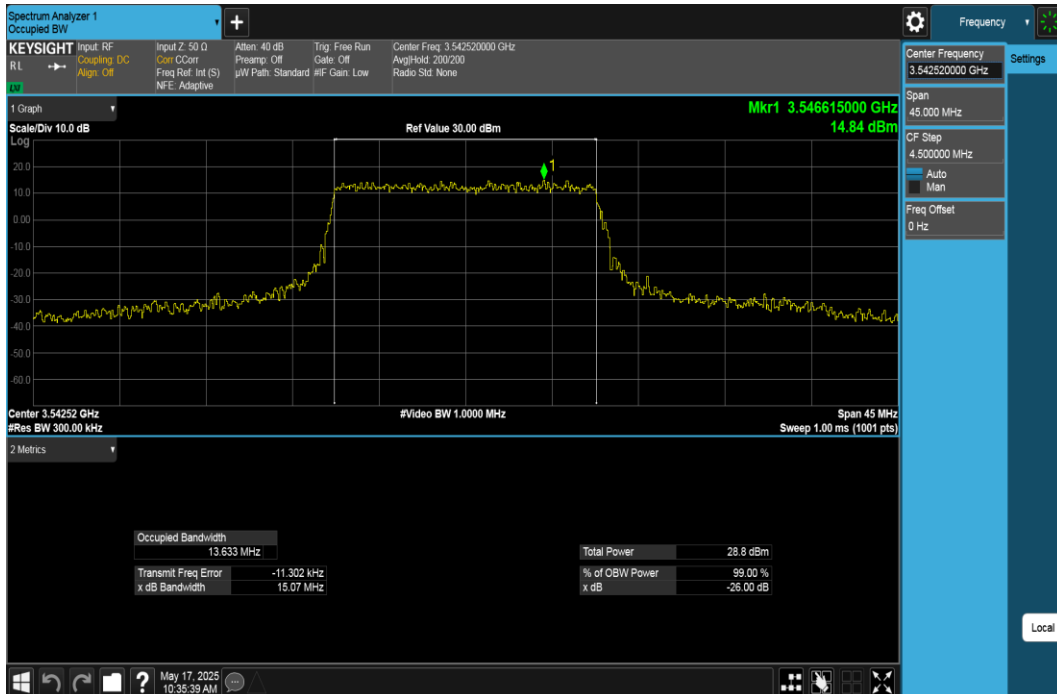
N78a(3450-3550MHz)-15M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



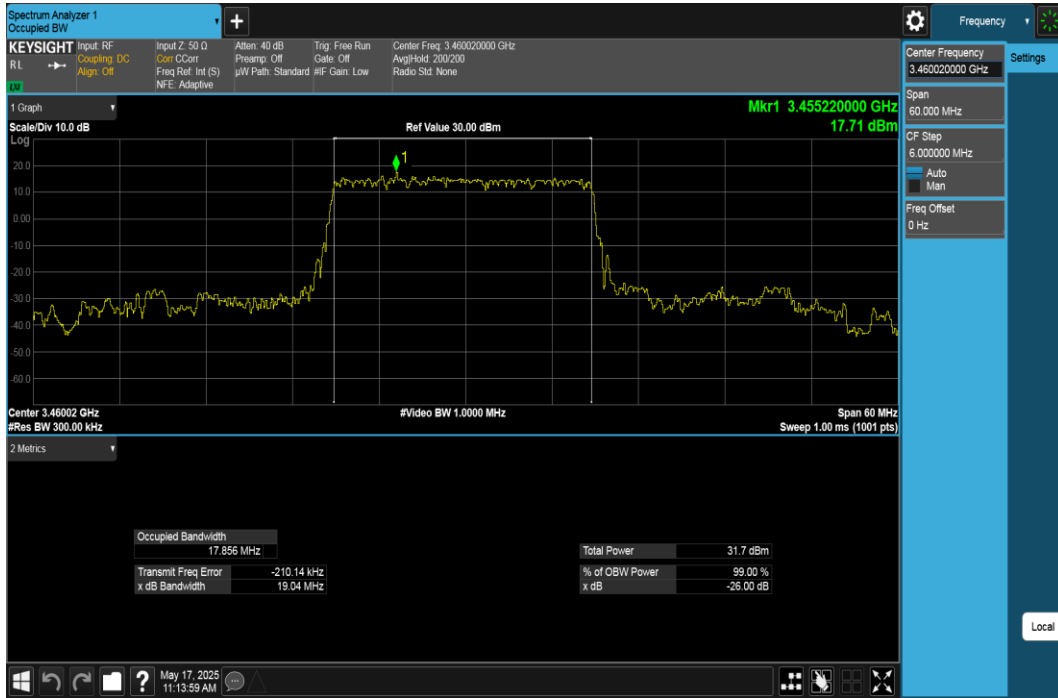
N78a(3450-3550MHz)-15M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



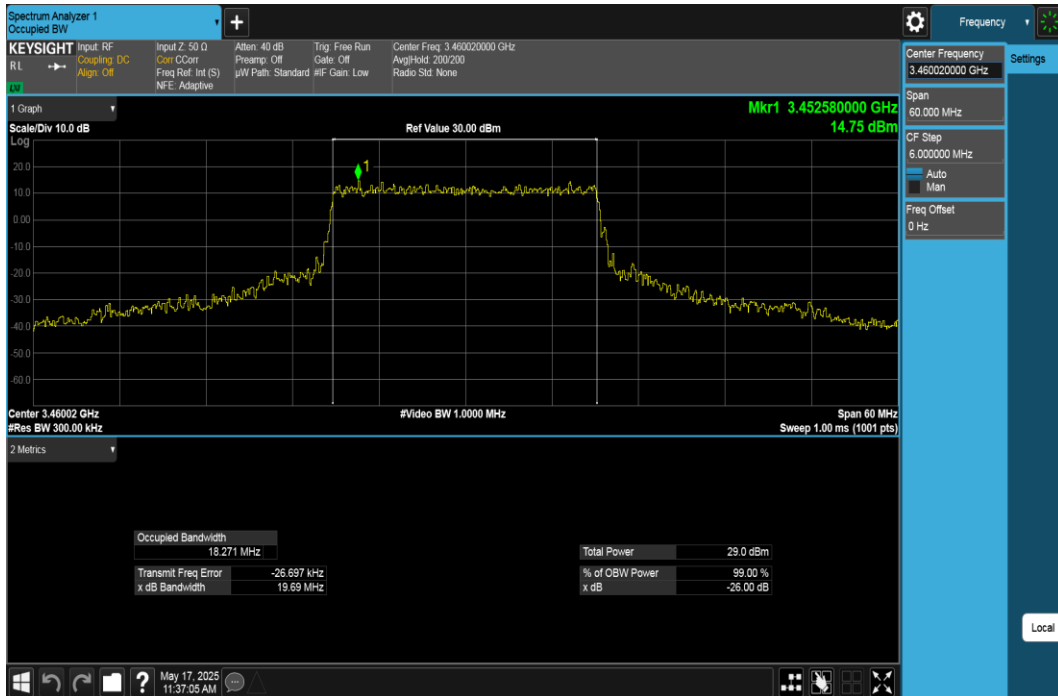
N78a(3450-3550MHz)-15M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



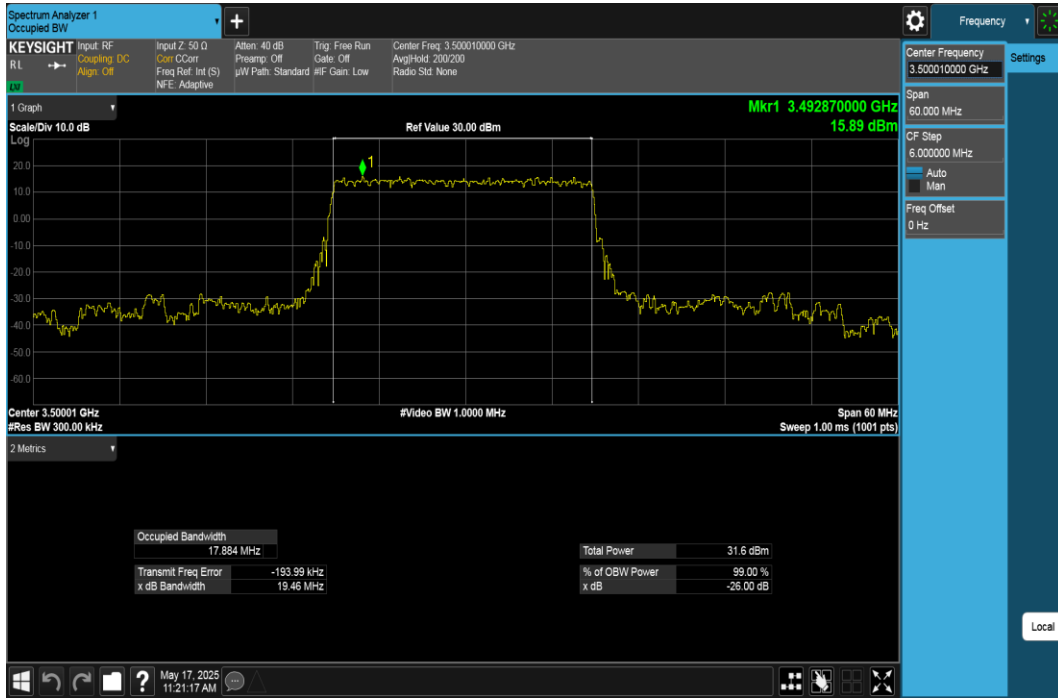
N78a(3450-3550MHz)-20M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



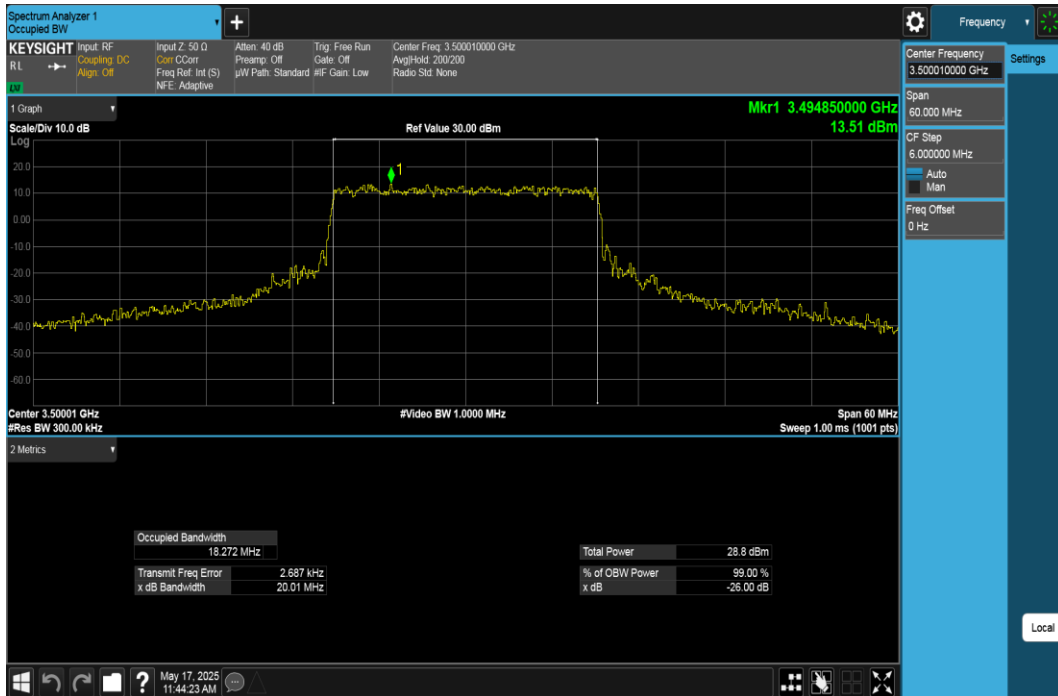
N78a(3450-3550MHz)-20M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



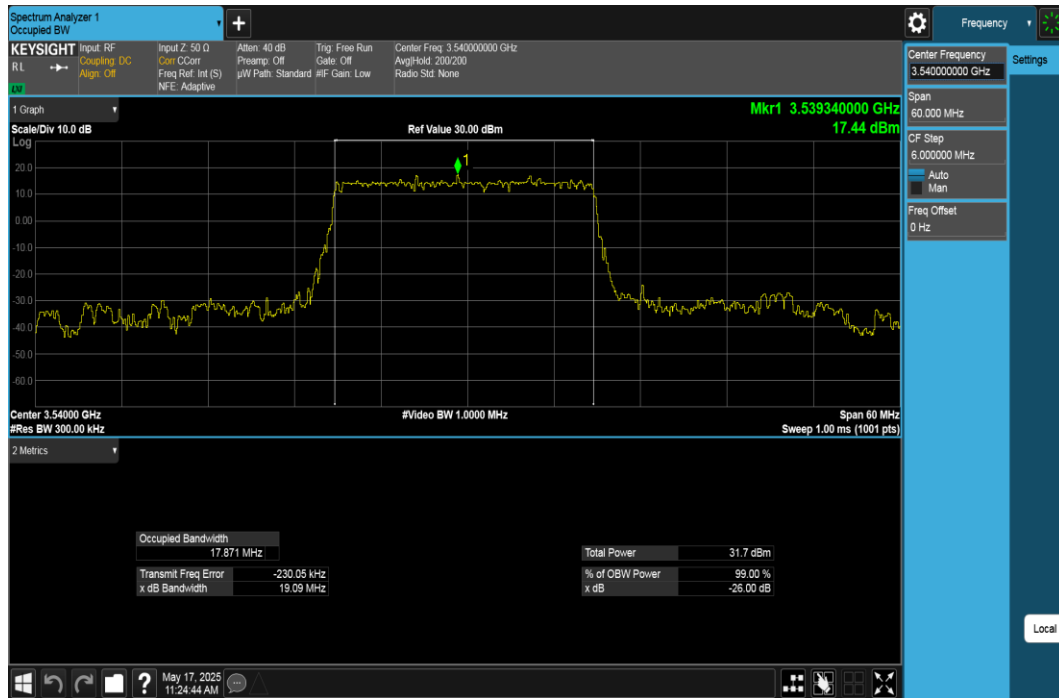
N78a(3450-3550MHz)-20M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



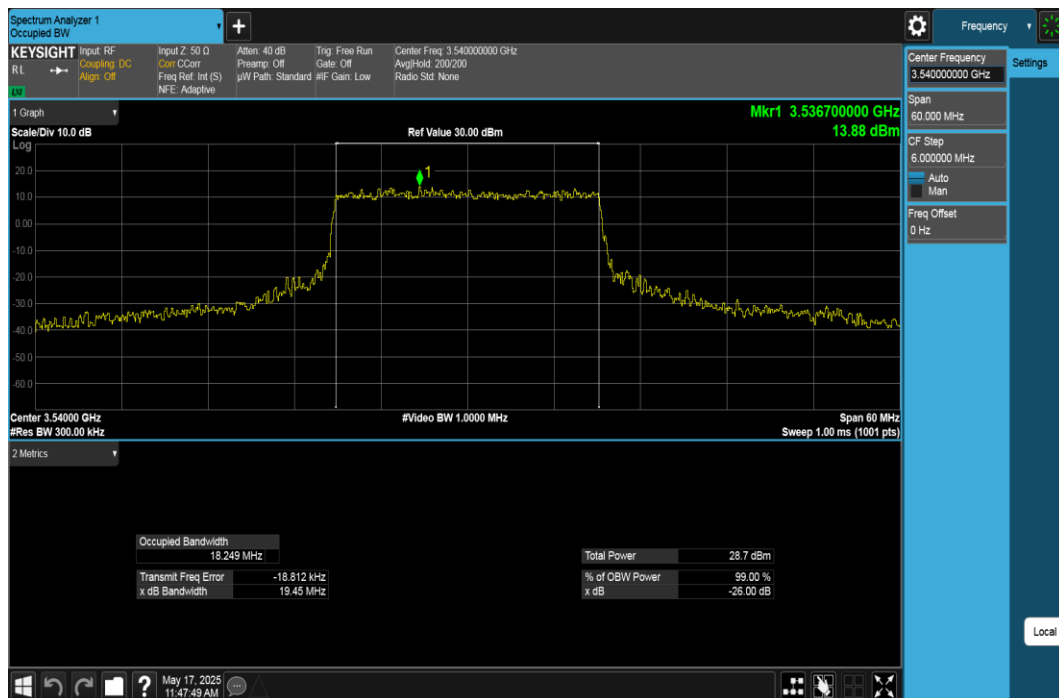
N78a(3450-3550MHz)-20M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



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

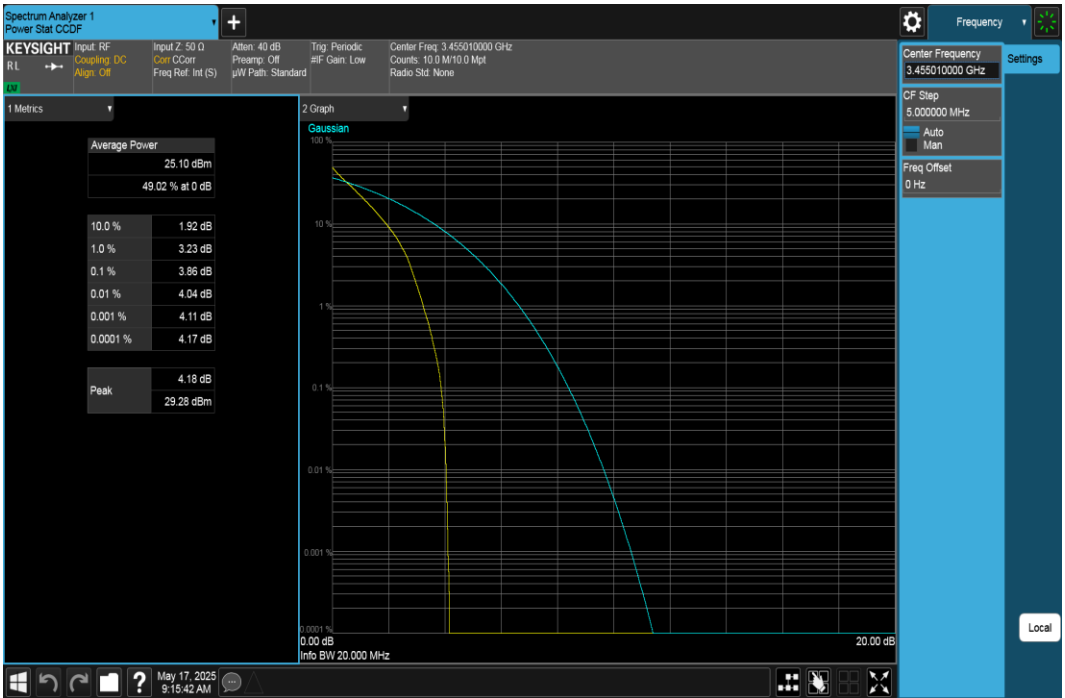


N78a(3450-3550MHz)-20M-OBW-HCH-CP-OFDM-QPSK-Outer_Full

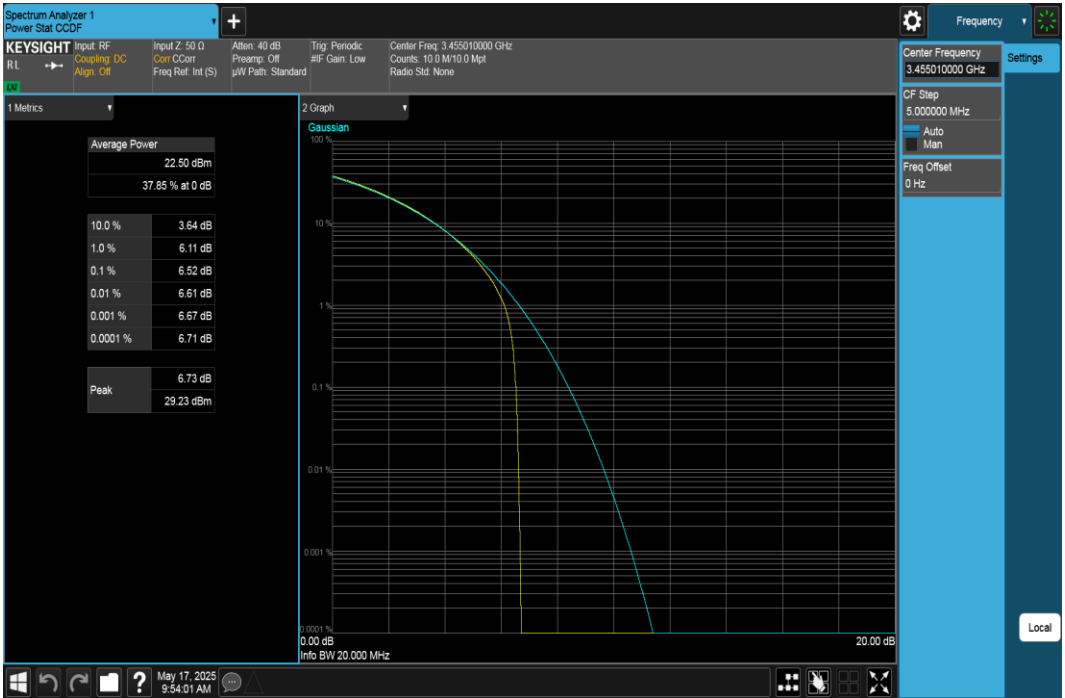


PAPR test graph

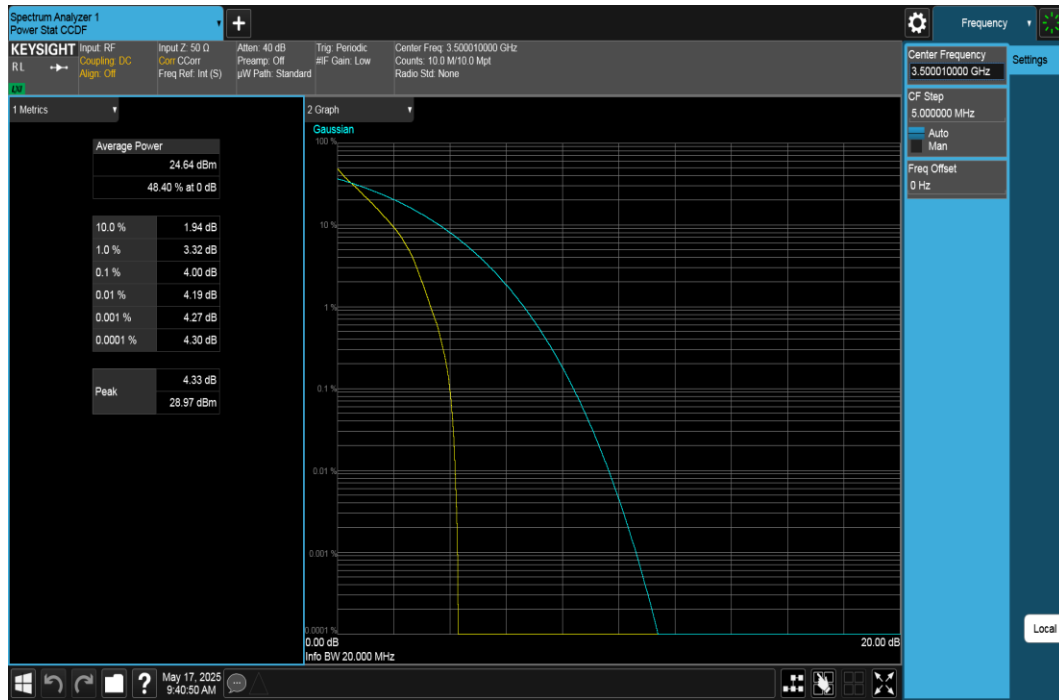
N78a(3450-3550MHz)-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



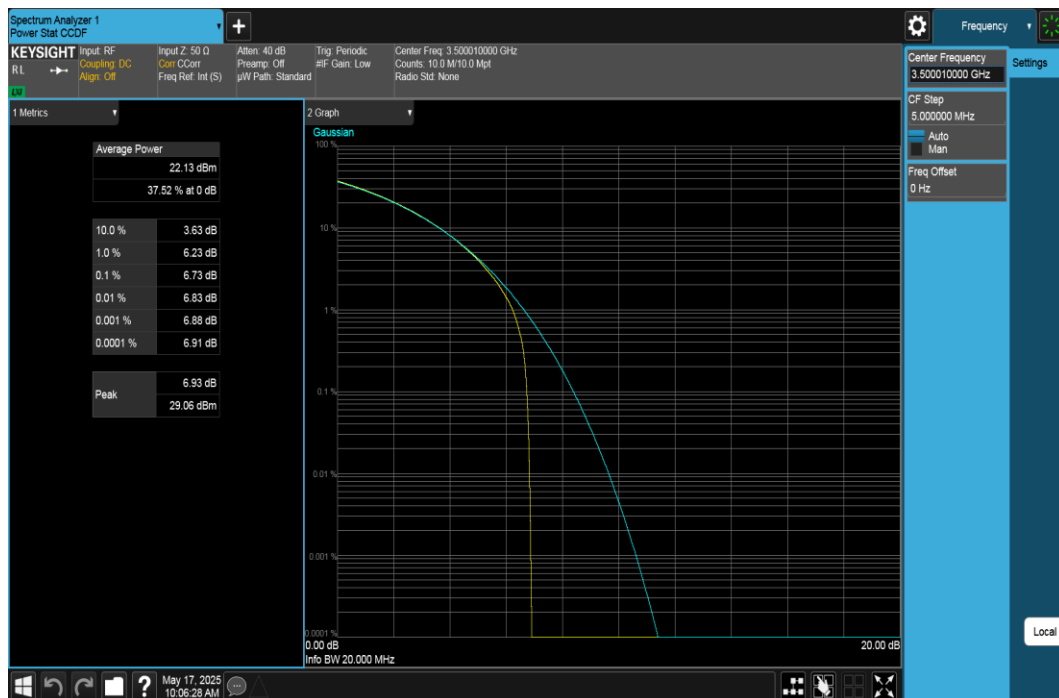
N78a(3450-3550MHz)-10M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



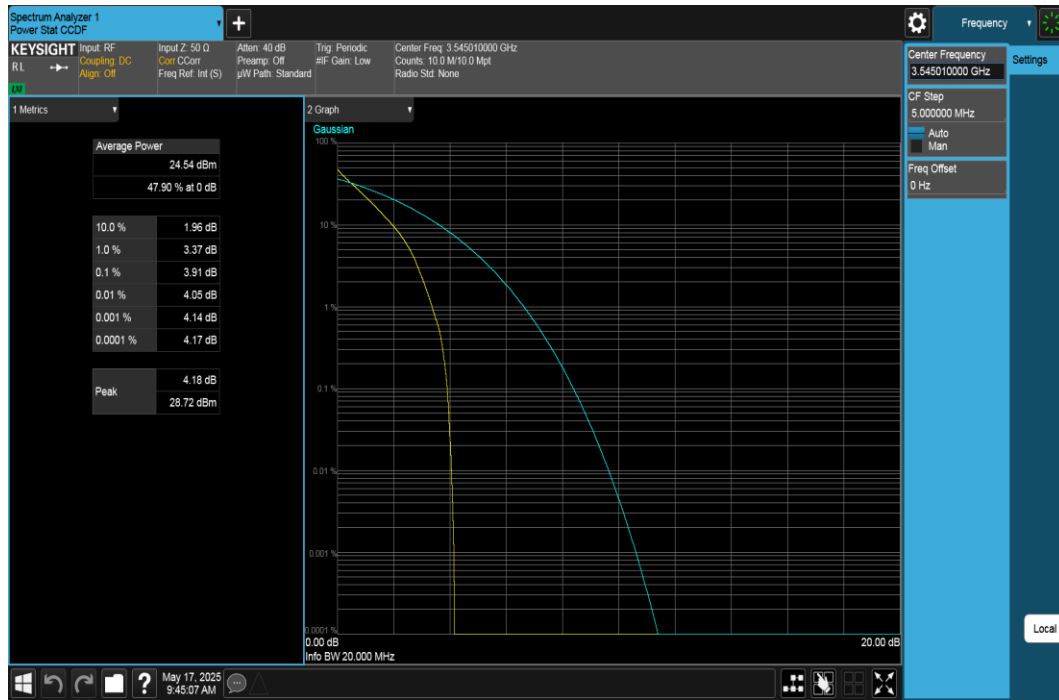
N78a(3450-3550MHz)-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



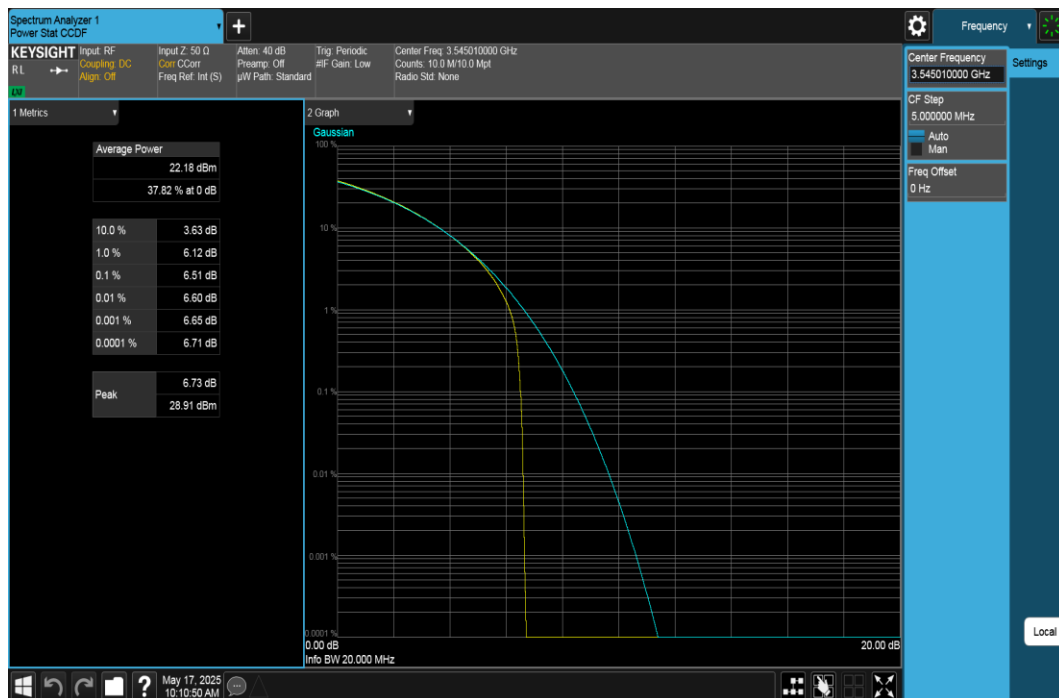
N78a(3450-3550MHz)-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



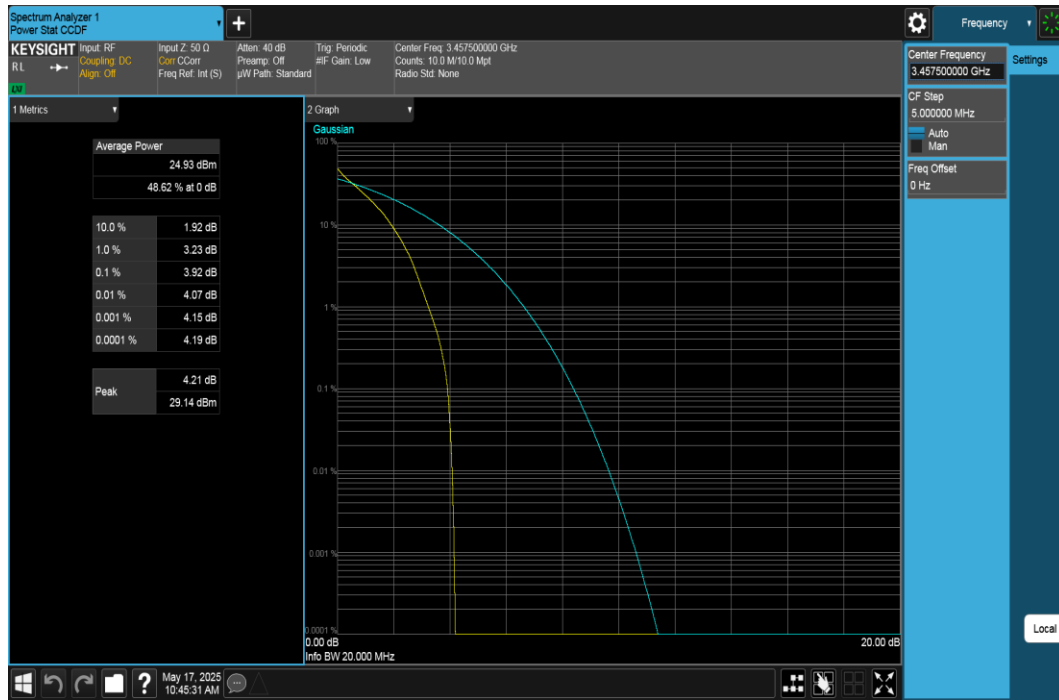
N78a(3450-3550MHz)-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



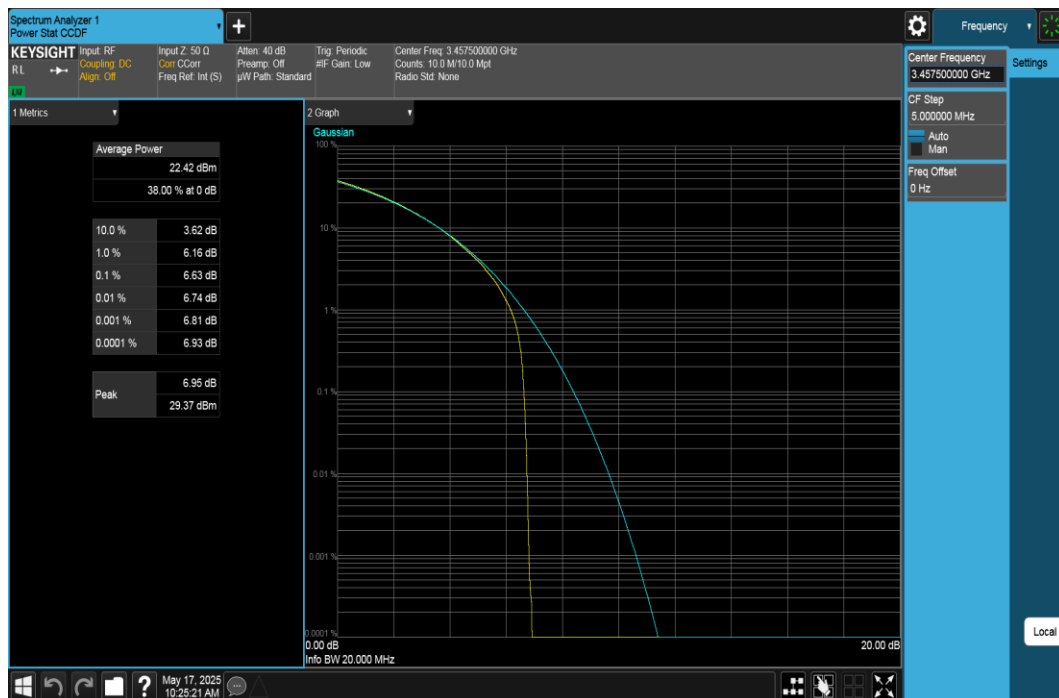
N78a(3450-3550MHz)-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



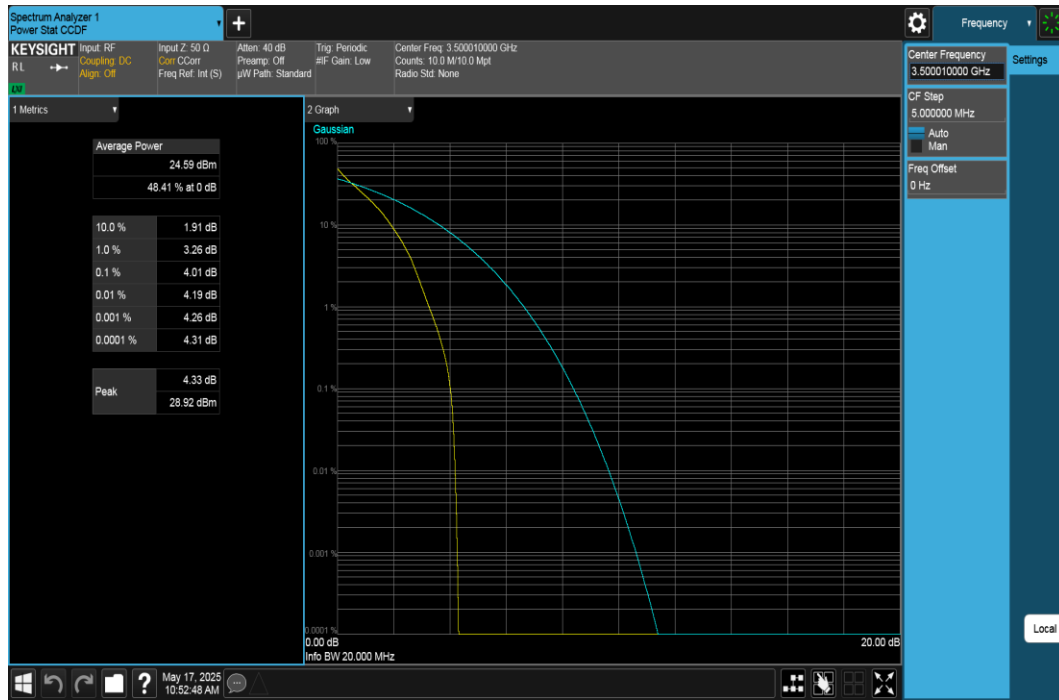
N78a(3450-3550MHz)-15M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



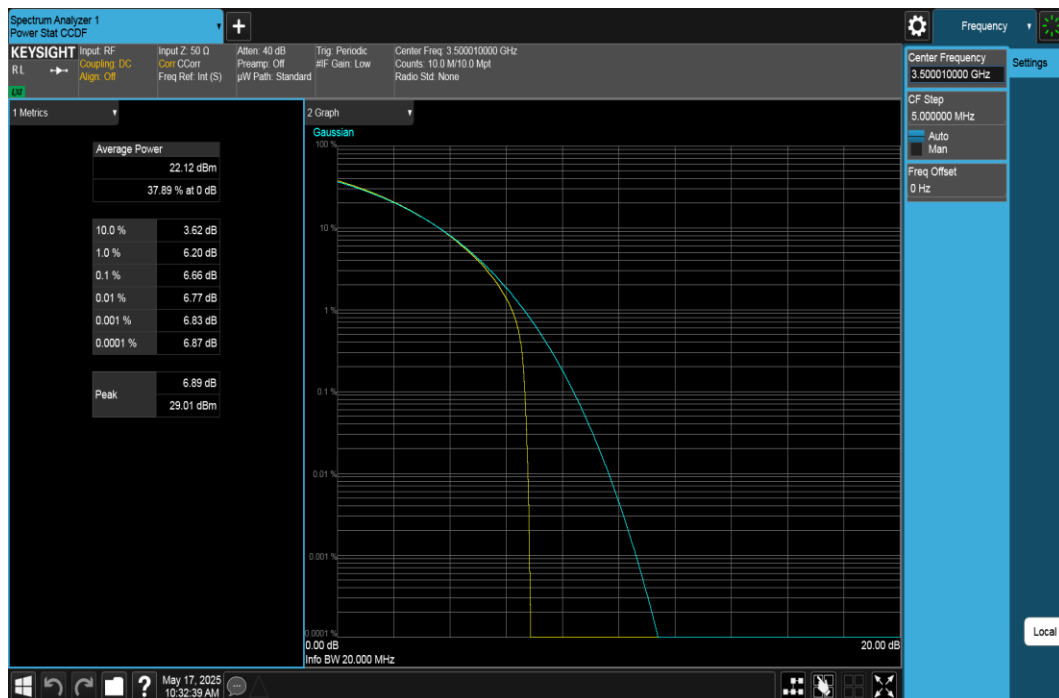
N78a(3450-3550MHz)-15M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



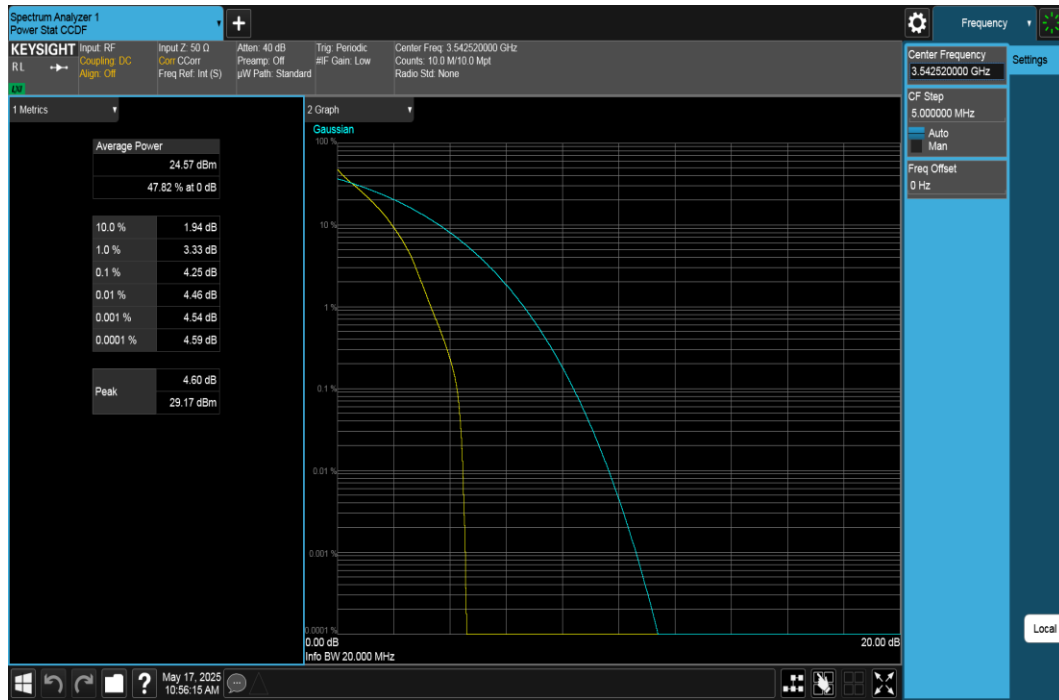
N78a(3450-3550MHz)-15M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



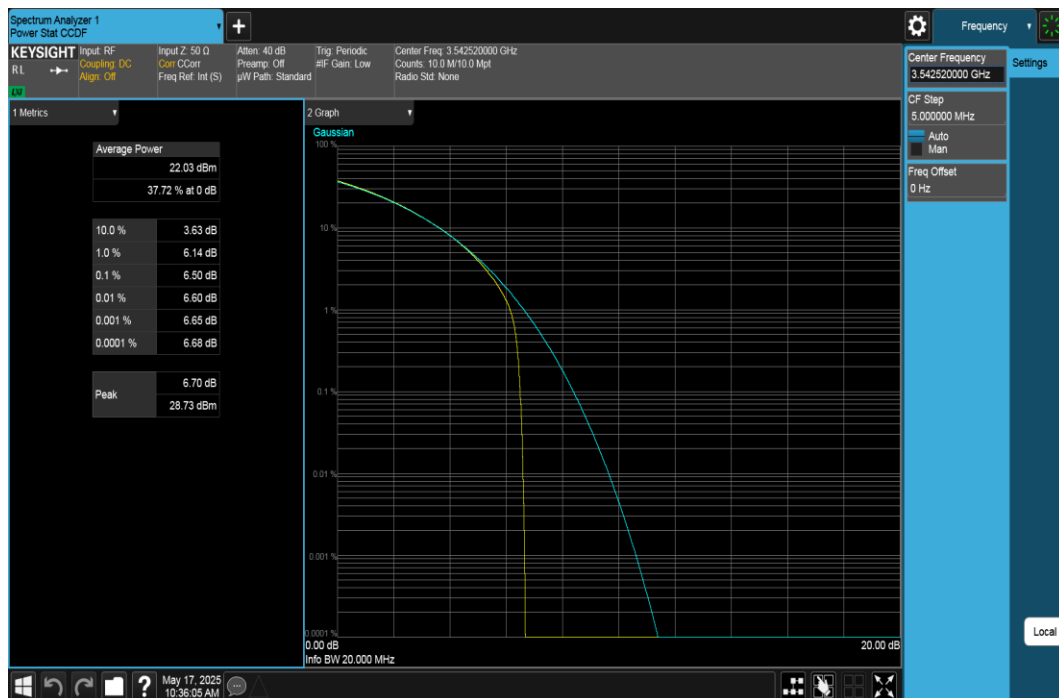
N78a(3450-3550MHz)-15M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



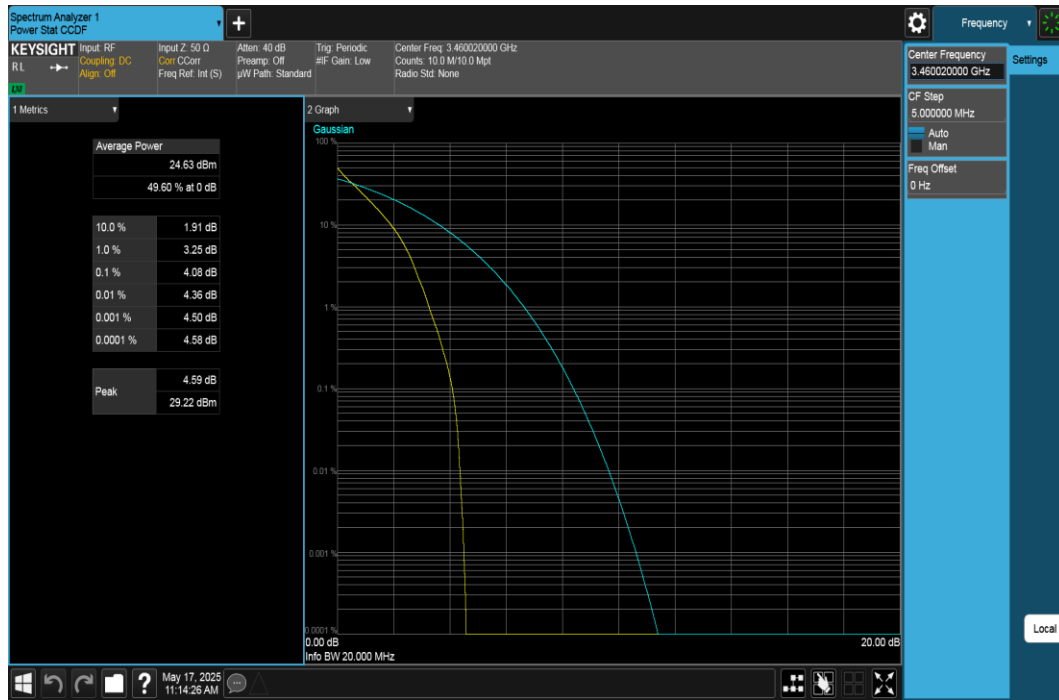
N78a(3450-3550MHz)-15M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



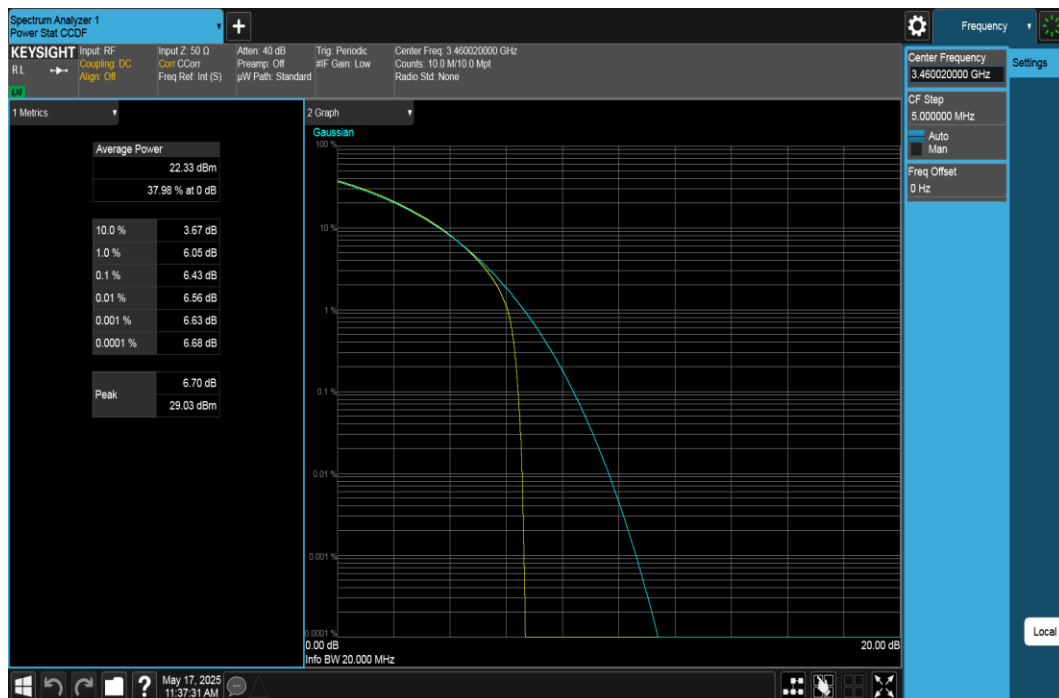
N78a(3450-3550MHz)-15M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



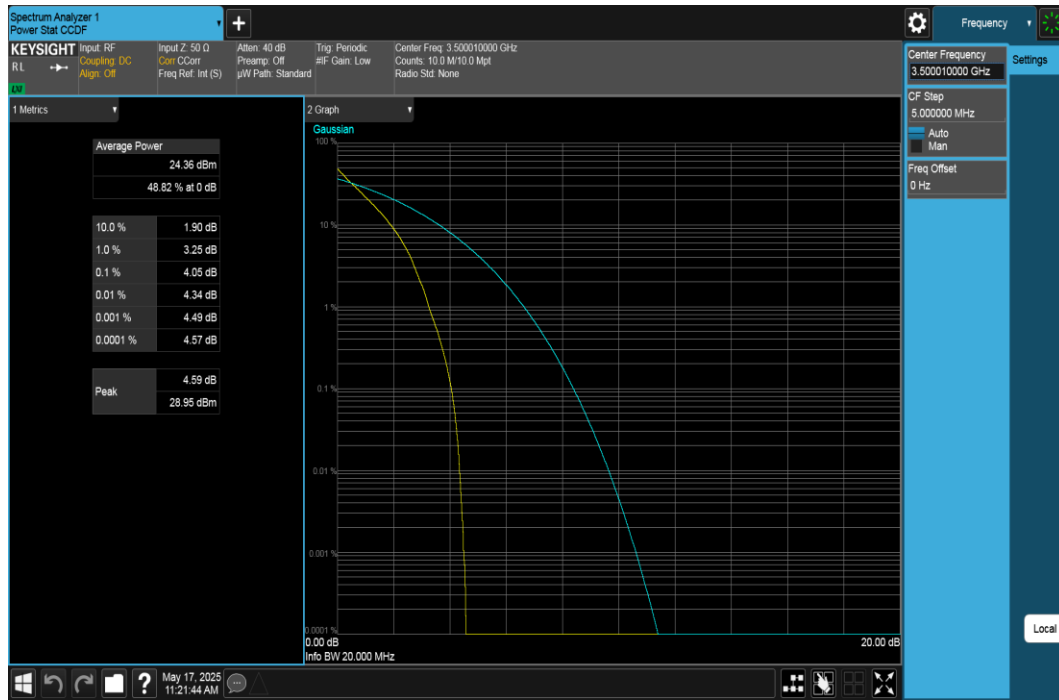
N78a(3450-3550MHz)-20M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



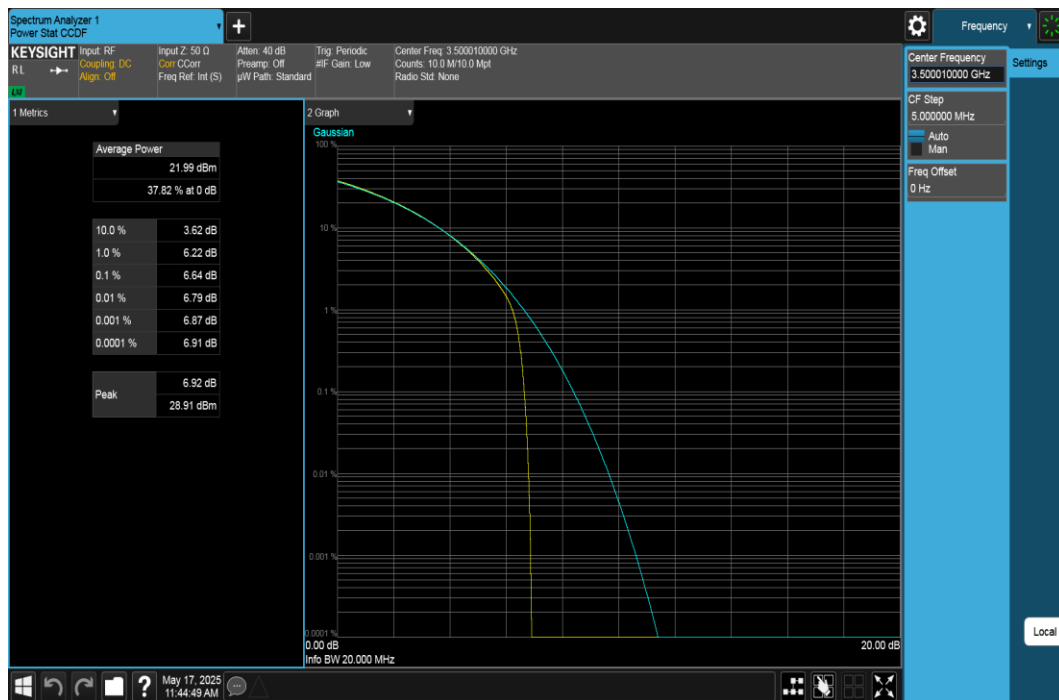
N78a(3450-3550MHz)-20M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



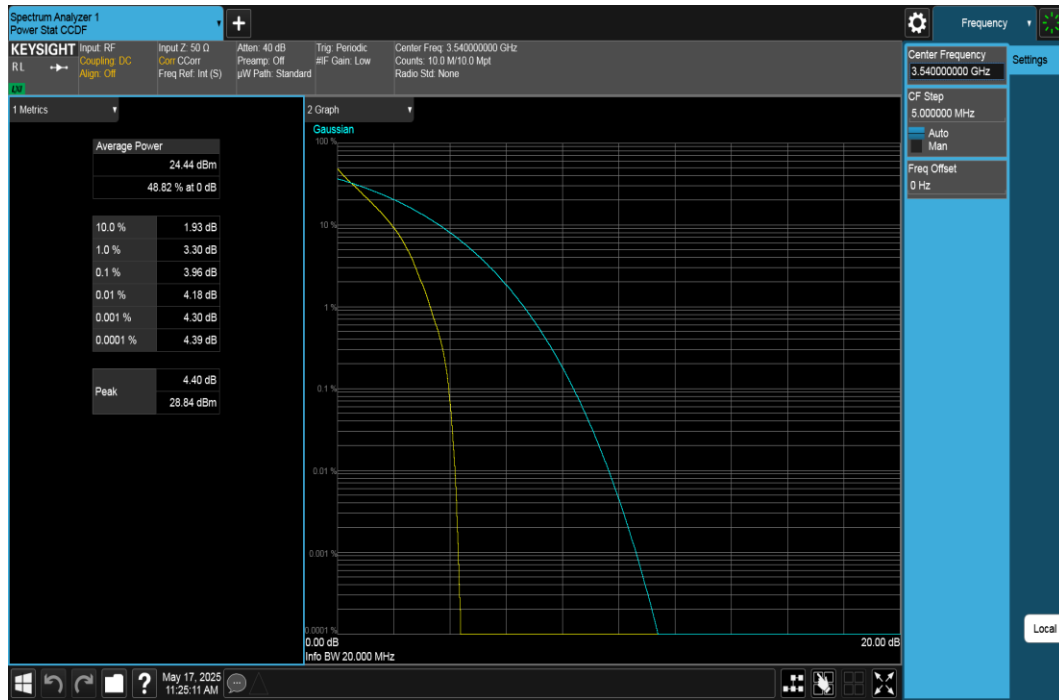
N78a(3450-3550MHz)-20M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



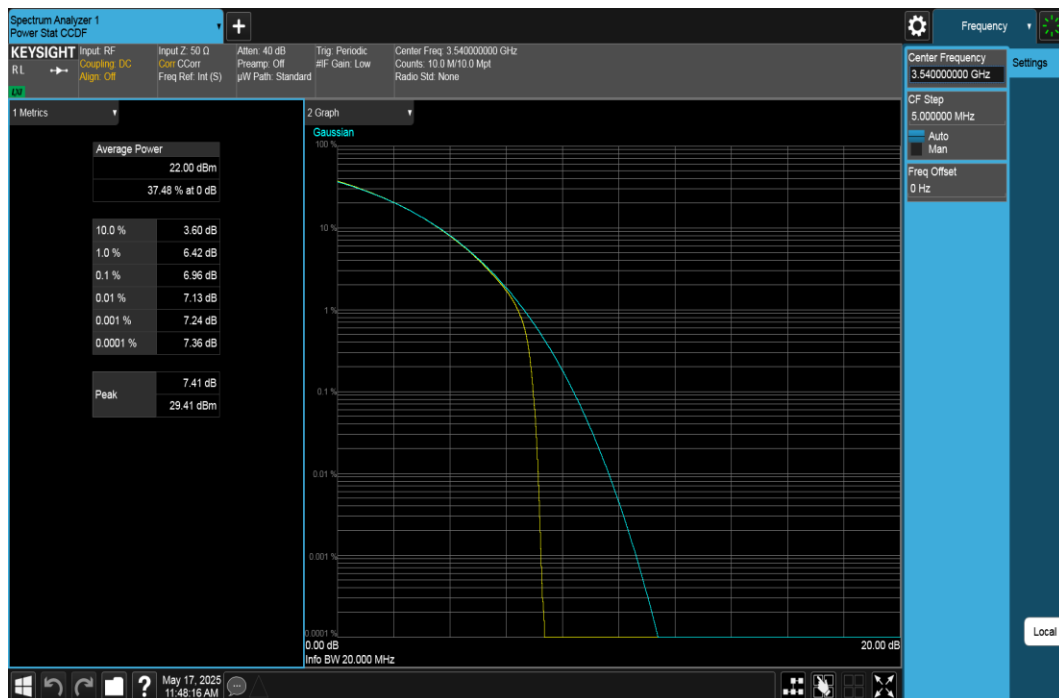
N78a(3450-3550MHz)-20M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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



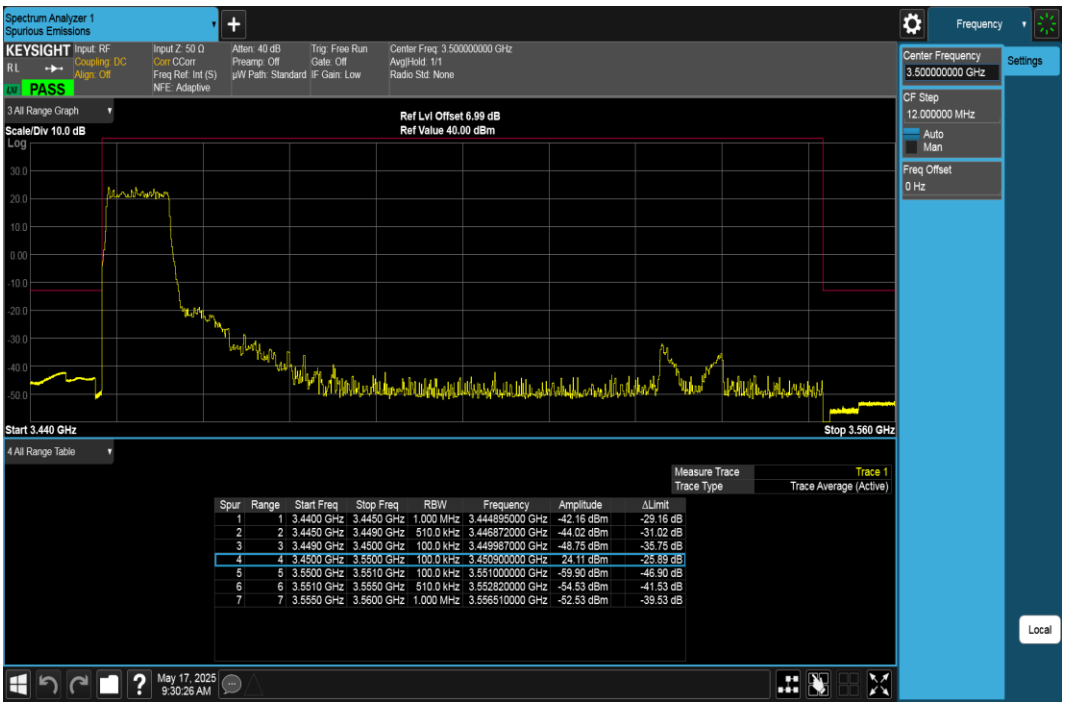
N78a(3450-3550MHz)-20M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



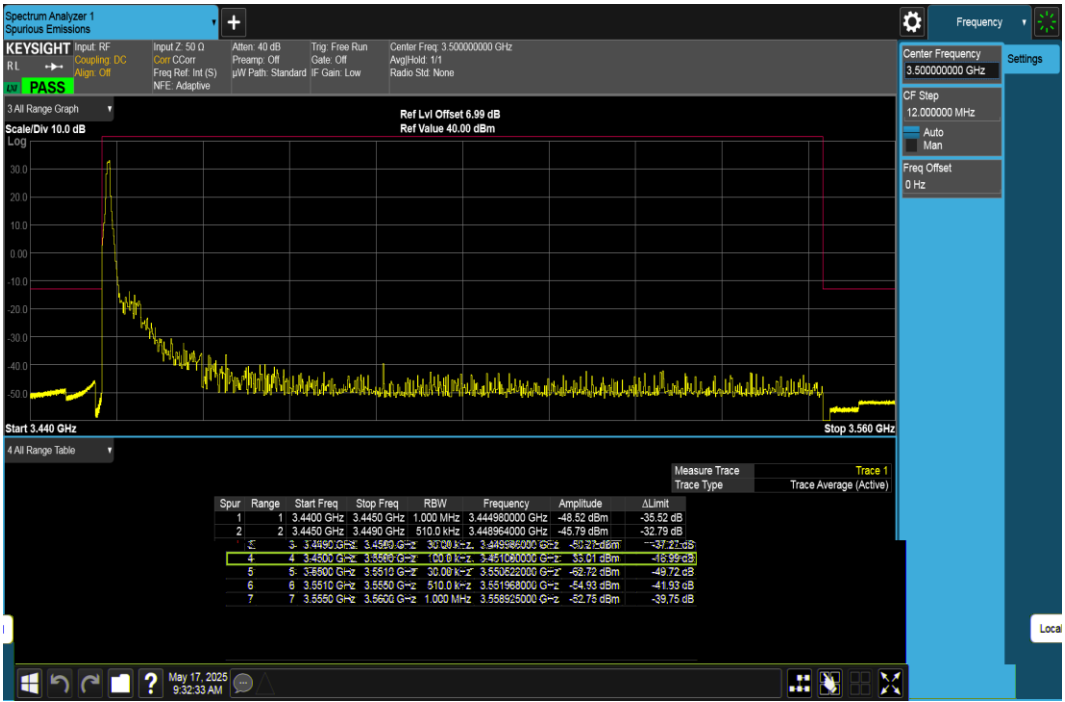
Bandedge

test graph

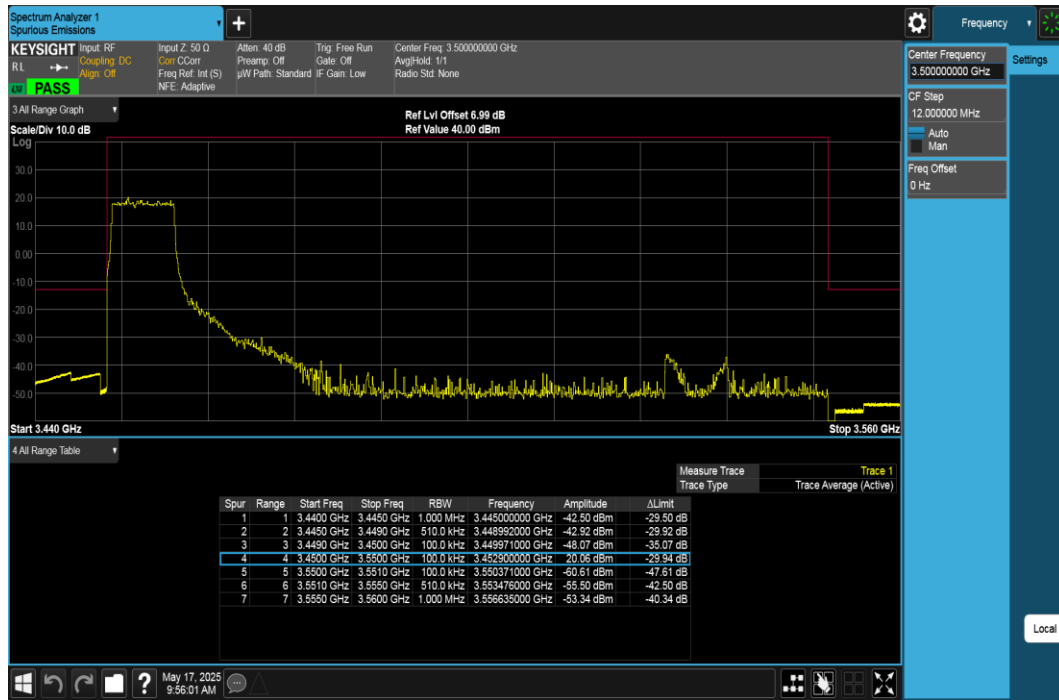
N78a(3450-3550MHz)-10M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



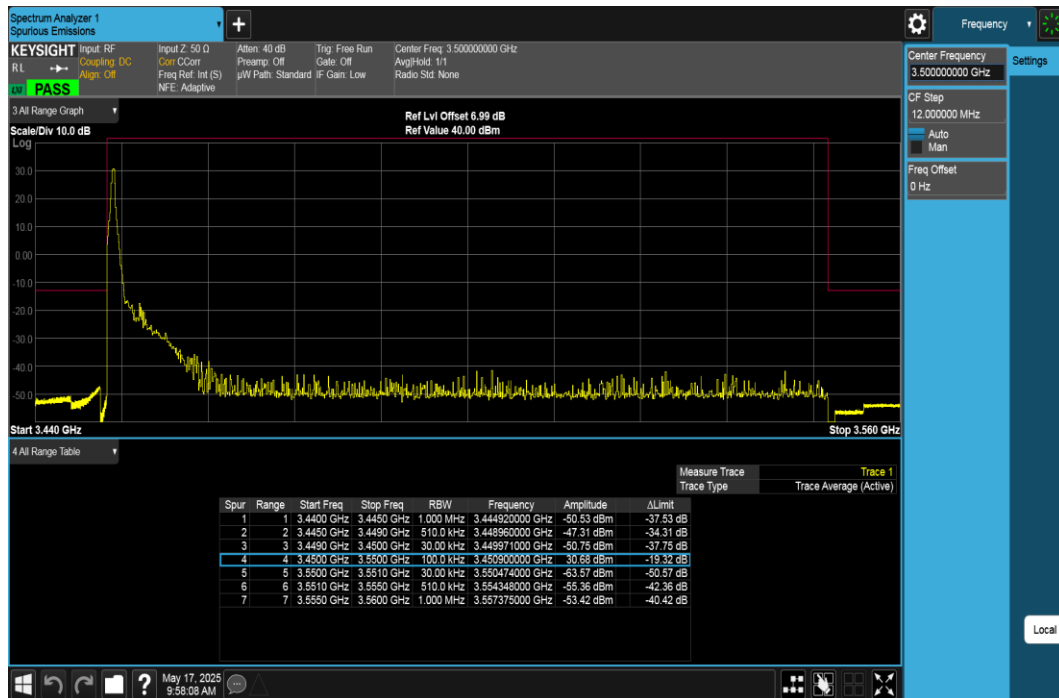
N78a(3450-3550MHz)-10M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



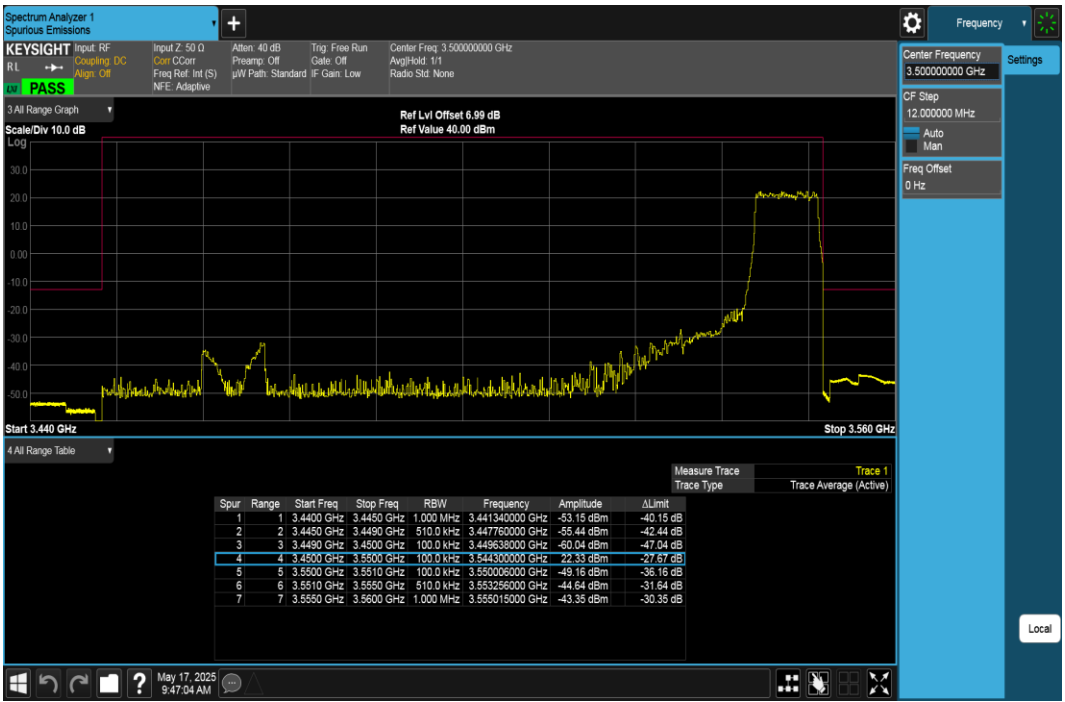
N78a(3450-3550MHz)-10M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



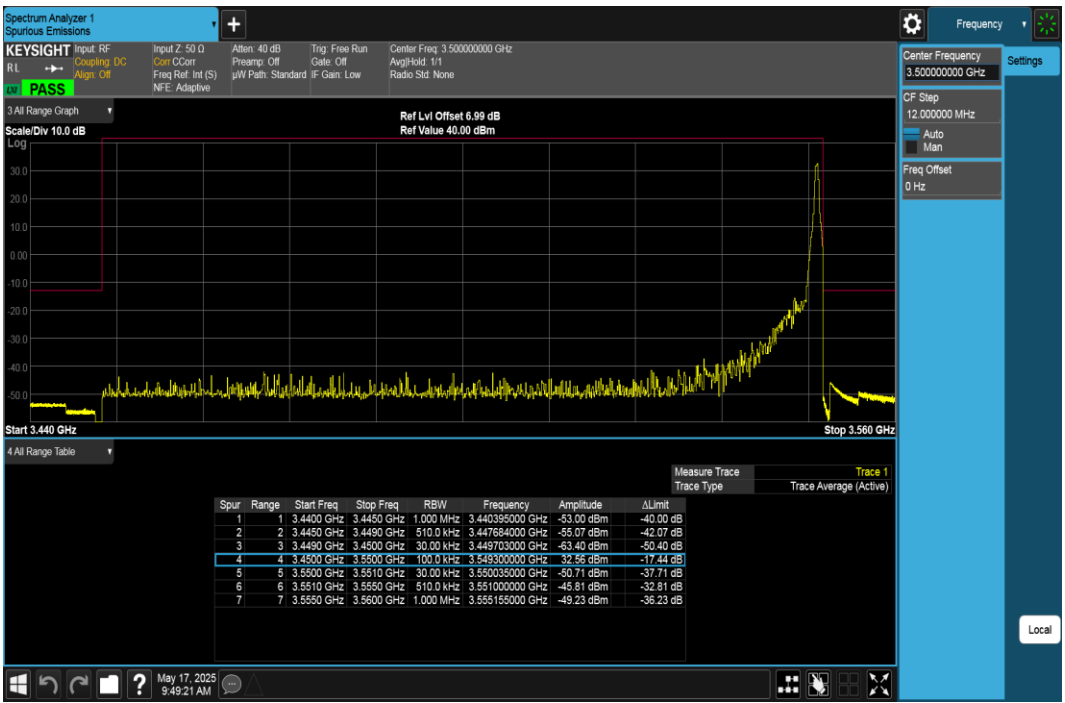
N78a(3450-3550MHz)-10M-Bandedge-LCH-CP-OFDM-QPSK-1RB0



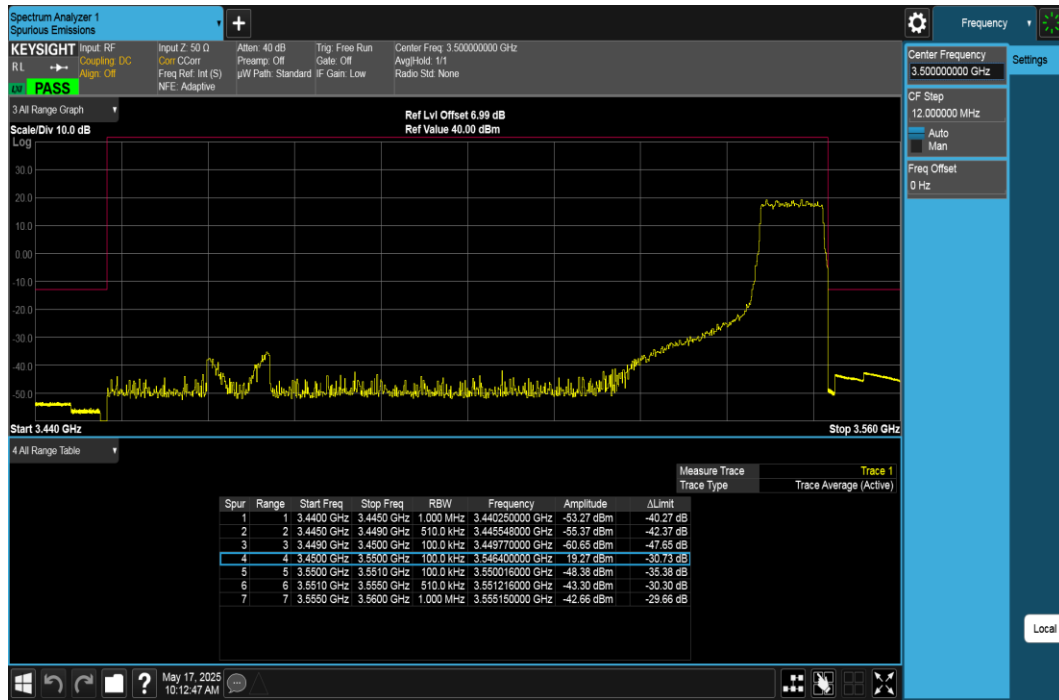
N78a(3450-3550MHz)-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



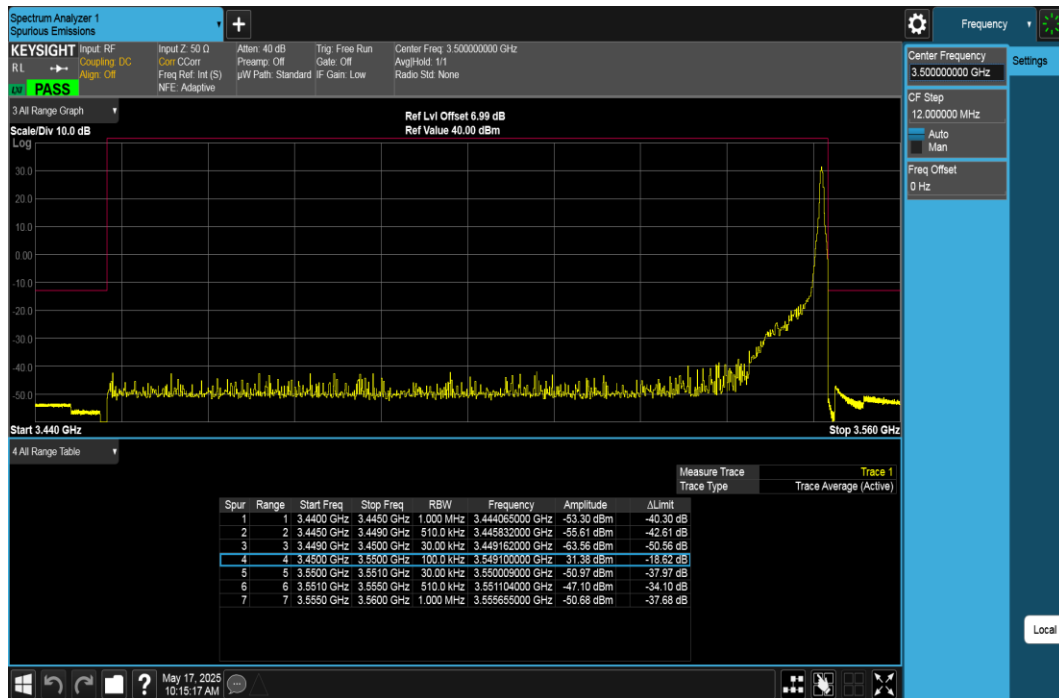
N78a(3450-3550MHz)-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



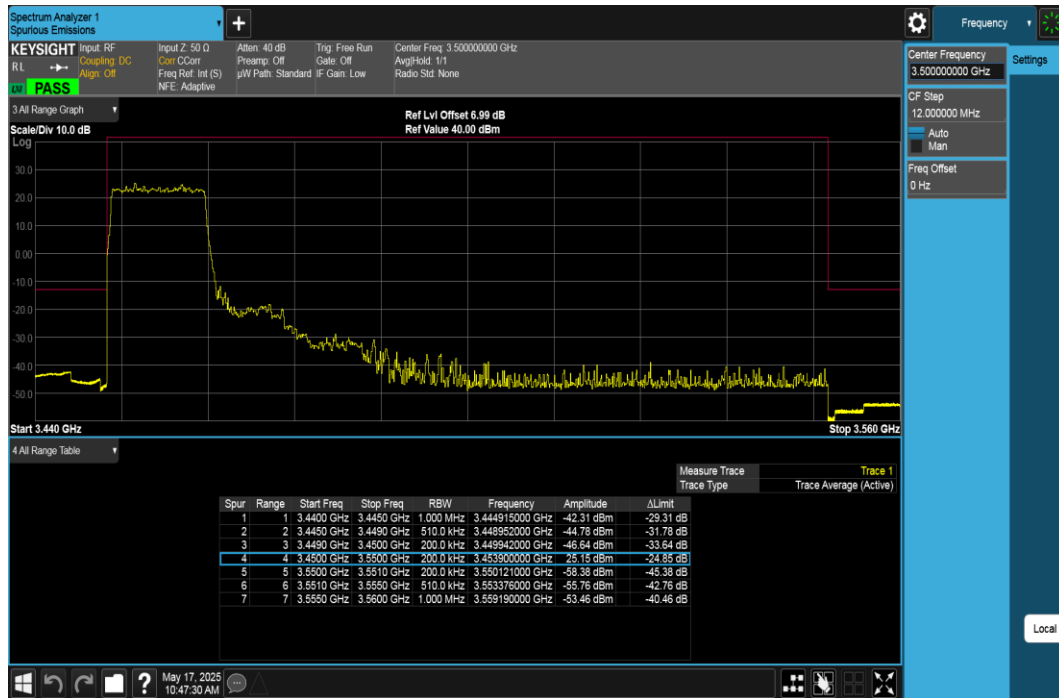
N78a(3450-3550MHz)-10M-Bandedge-HCH-CP-OFDM-QPSK-Outer_Full



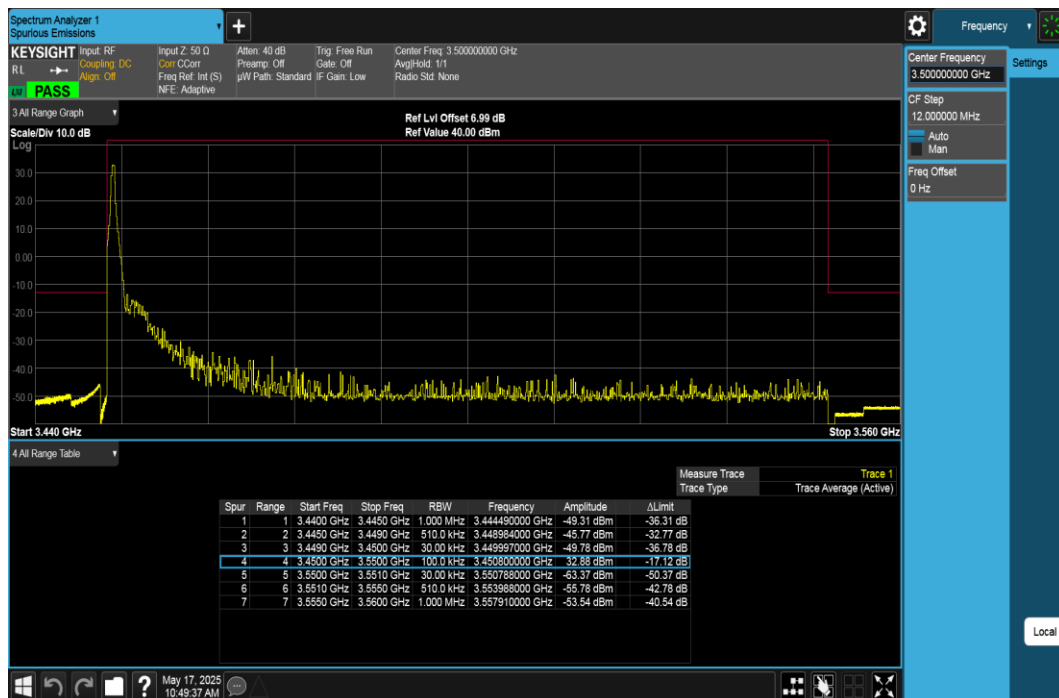
N78a(3450-3550MHz)-10M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



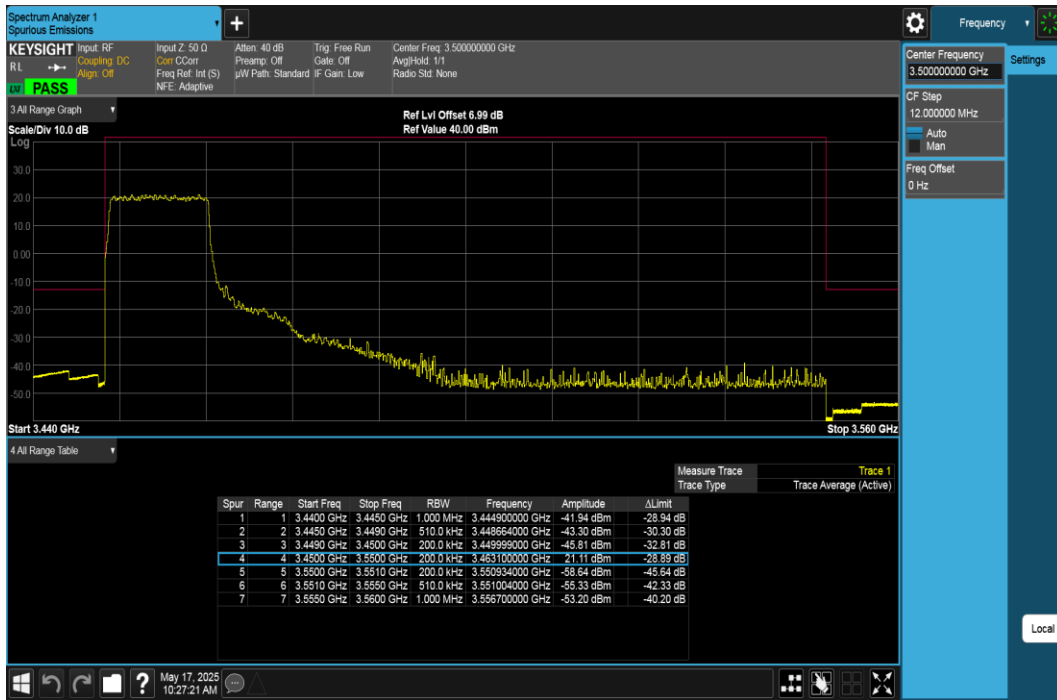
N78a(3450-3550MHz)-15M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



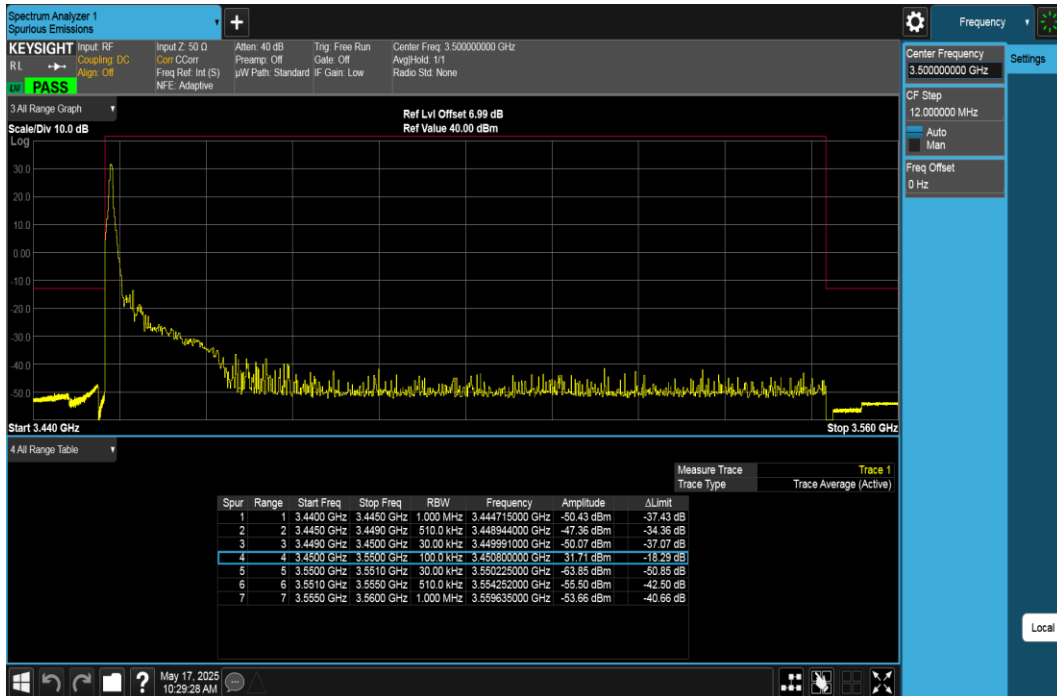
N78a(3450-3550MHz)-15M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



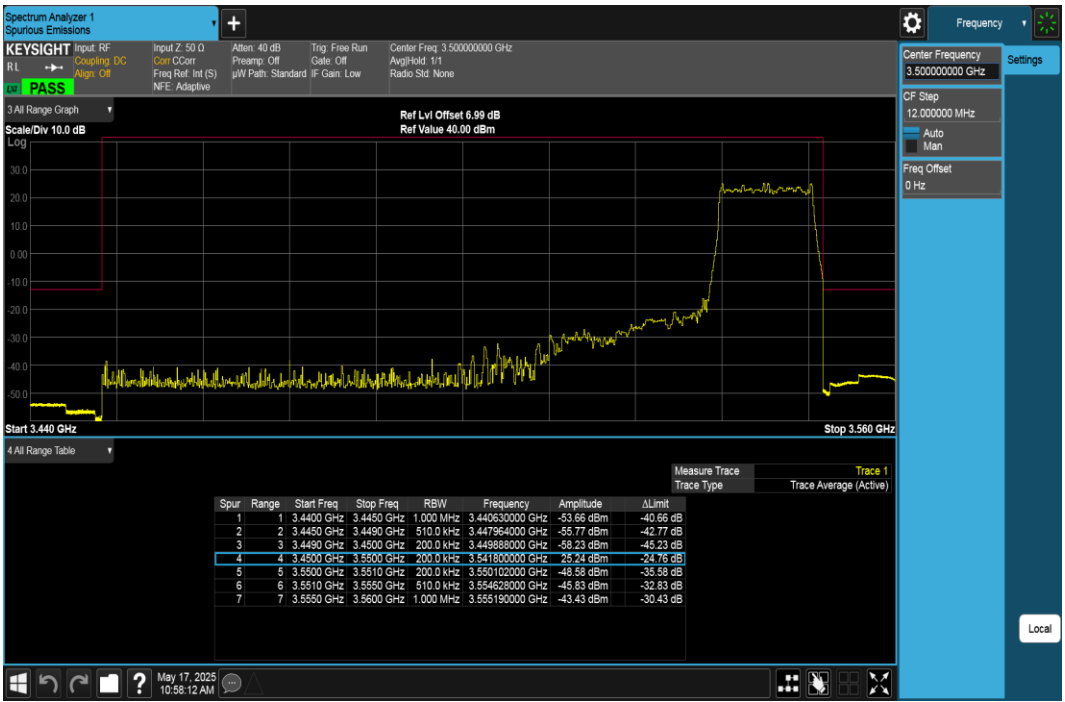
N78a(3450-3550MHz)-15M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



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



N78a(3450-3550MHz)-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N78a(3450-3550MHz)-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

