99% & 26dB Bandwidth

Test Result

5G NR N7 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.4997	4.999	/	Pass
CP-OFDM QPSK		Outer_Full	4.5352	5.304	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.4832	4.984	/	Pass
CP-OFDM QPSK		Outer_Full	4.5369	5.404	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.4981	5.133	/	Pass
CP-OFDM QPSK		Outer_Full	4.536	5.207	/	Pass

5G NR N7 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	8.954	9.596	/	Pass
CP-OFDM QPSK		Outer_Full	9.3296	10.14	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.9489	9.639	/	Pass
CP-OFDM QPSK		Outer_Full	9.3226	9.95	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.9449	9.63	/	Pass
CP-OFDM QPSK		Outer_Full	9.3028	10.19	/	Pass

5G NR N7 SCS=15kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	13.501	14.5	/	Pass
CP-OFDM QPSK		Outer_Full	14.157	15.26	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.49	14.48	/	Pass
CP-OFDM QPSK		Outer_Full	14.16	15.13	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.473	14.39	/	Pass
CP-OFDM QPSK		Outer_Full	14.129	15.15	/	Pass

5G NR N7 SCS=15kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	17.95	18.89	/	Pass
CP-OFDM QPSK		Outer_Full	18.989	20.18	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.9	19	/	Pass
CP-OFDM QPSK		Outer_Full	18.997	20.07	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.868	18.97	/	Pass
CP-OFDM QPSK		Outer_Full	18.952	19.88	/	Pass

Peak-Average Ratio

Test Result

5G NR N7 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.14	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.64	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.19	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.65	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.57	<=13	Pass

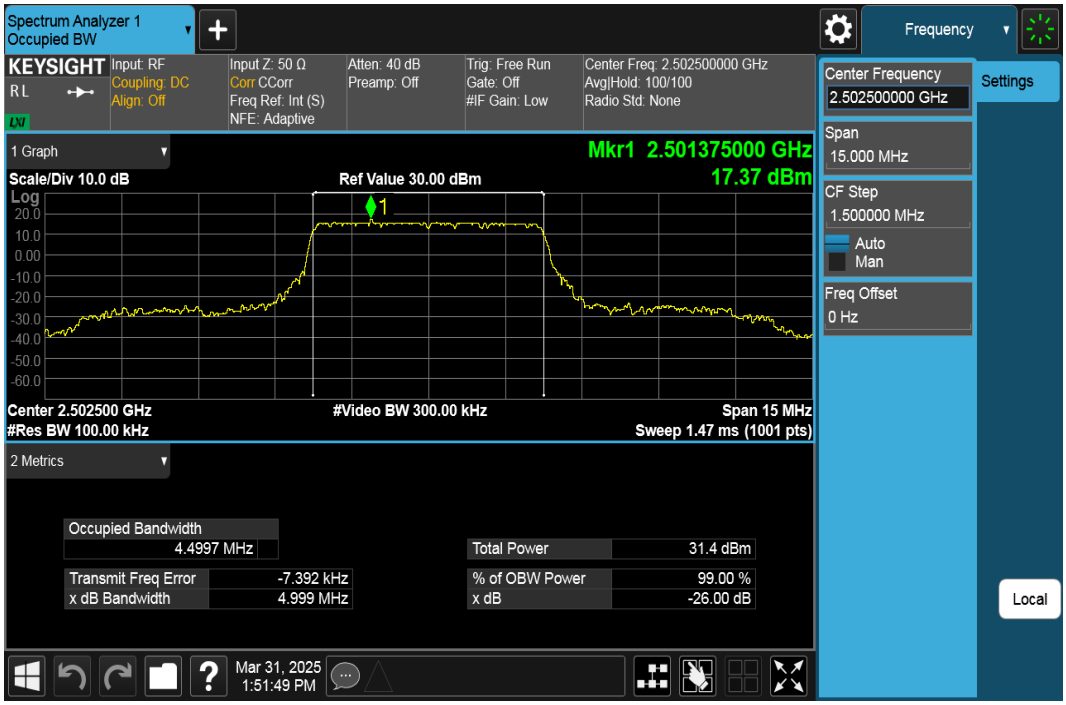
5G NR N7 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.91	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.2	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.73	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.13	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.9	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.59	<=13	Pass

5G NR N7 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.13	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.65	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.07	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.72	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.96	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.05	<=13	Pass

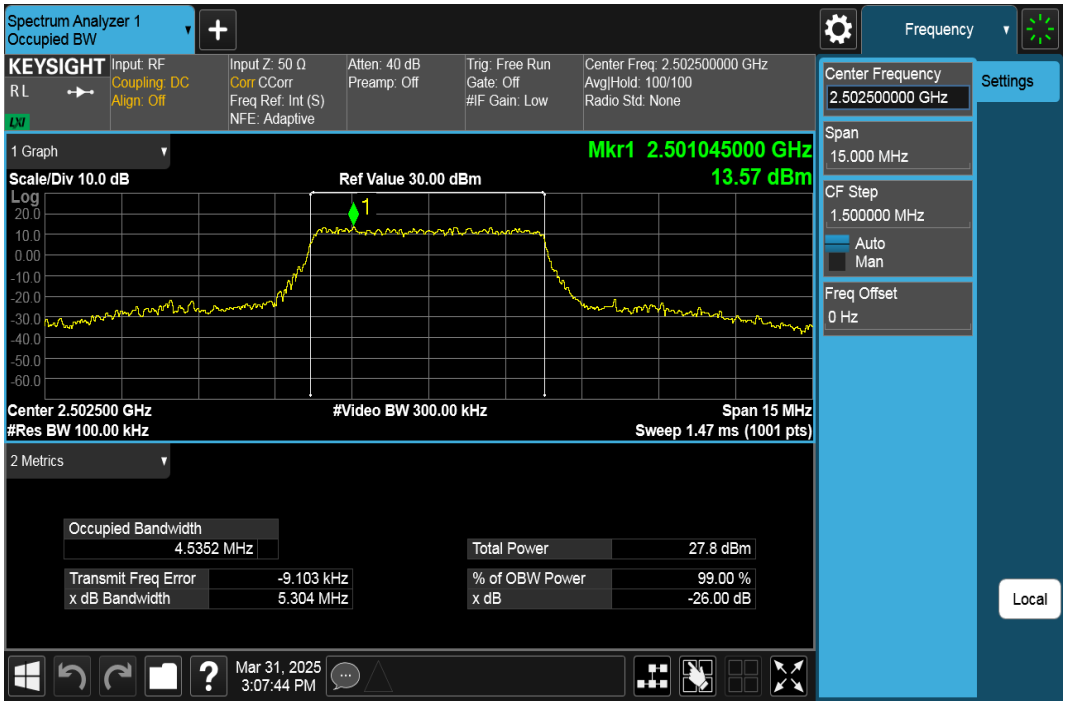
5G NR N7 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.22	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.83	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	3.92	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.81	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	3.94	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.05	<=13	Pass

OBW Test Graph

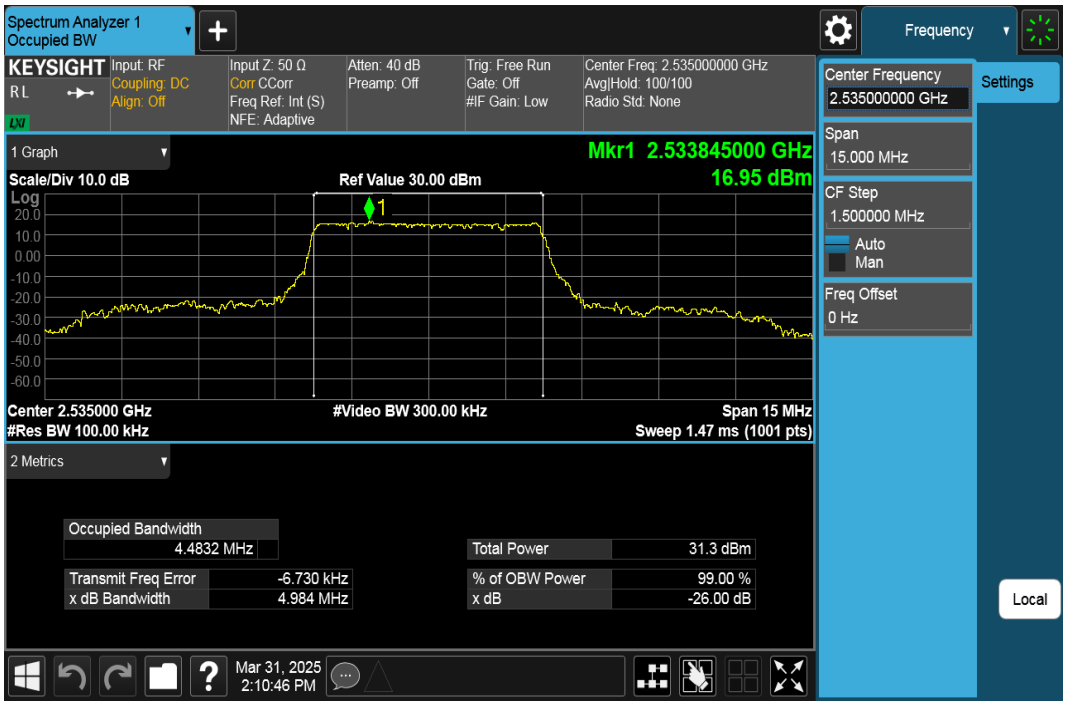
N7-5M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



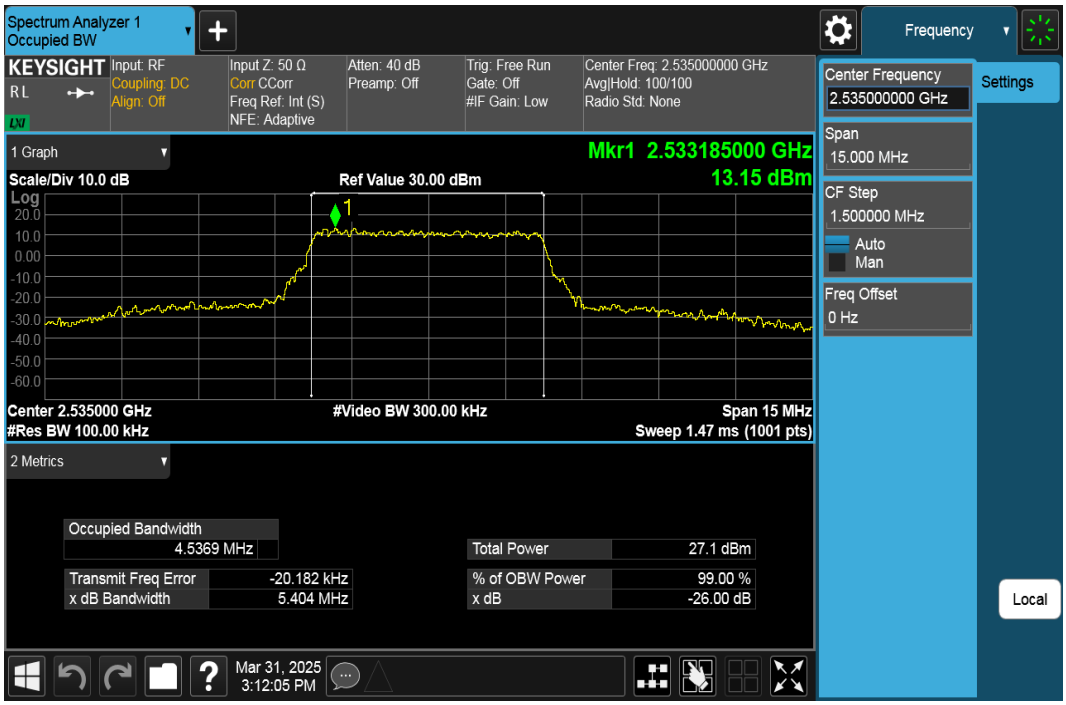
N7-5M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



N7-5M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N7-5M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



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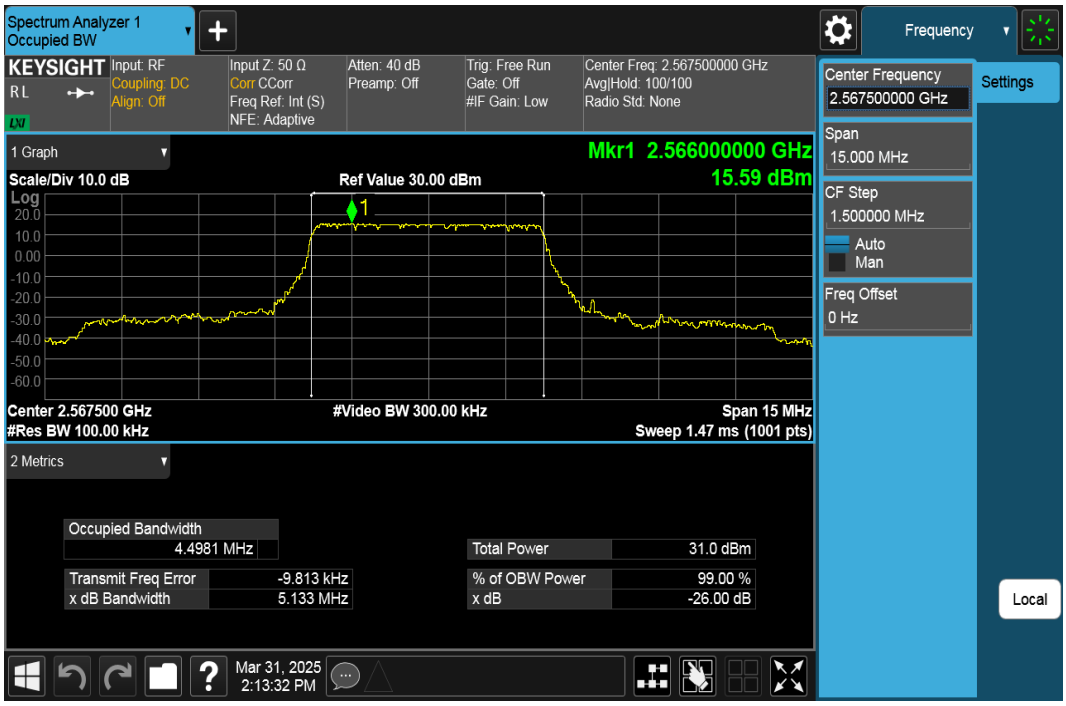

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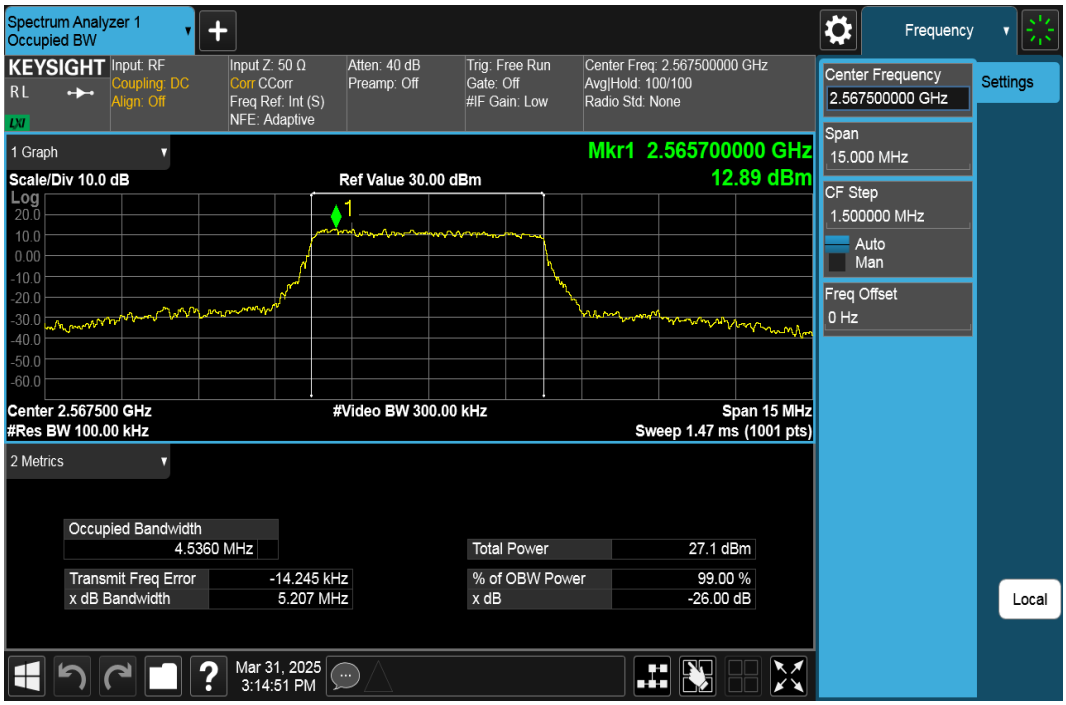
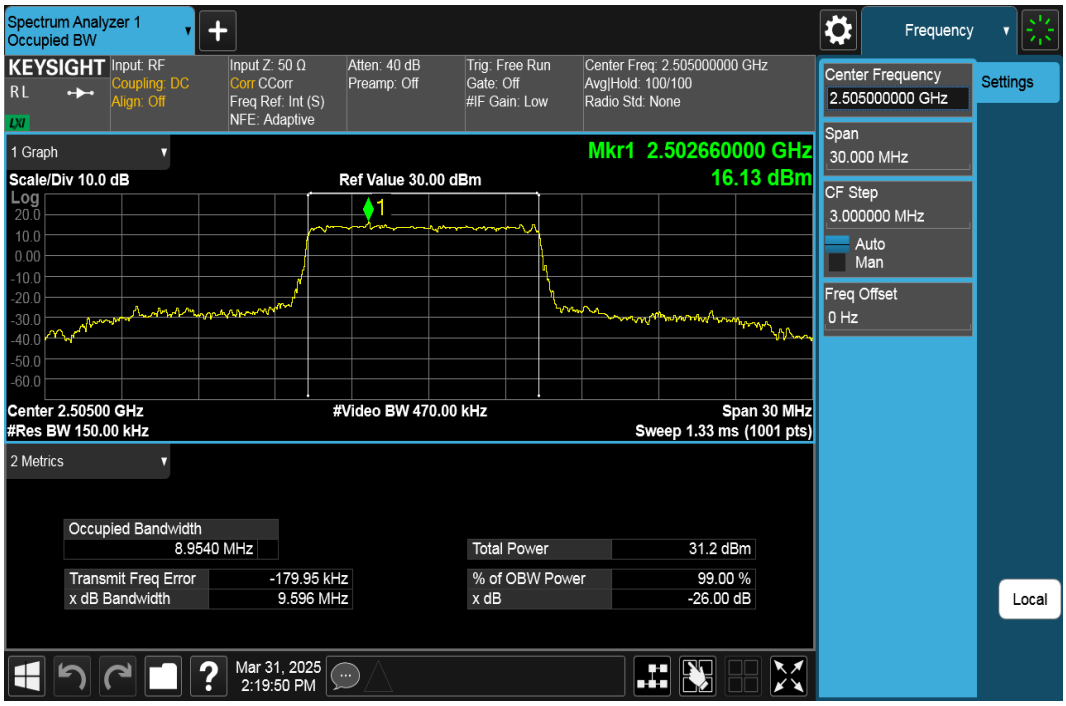


N7-10M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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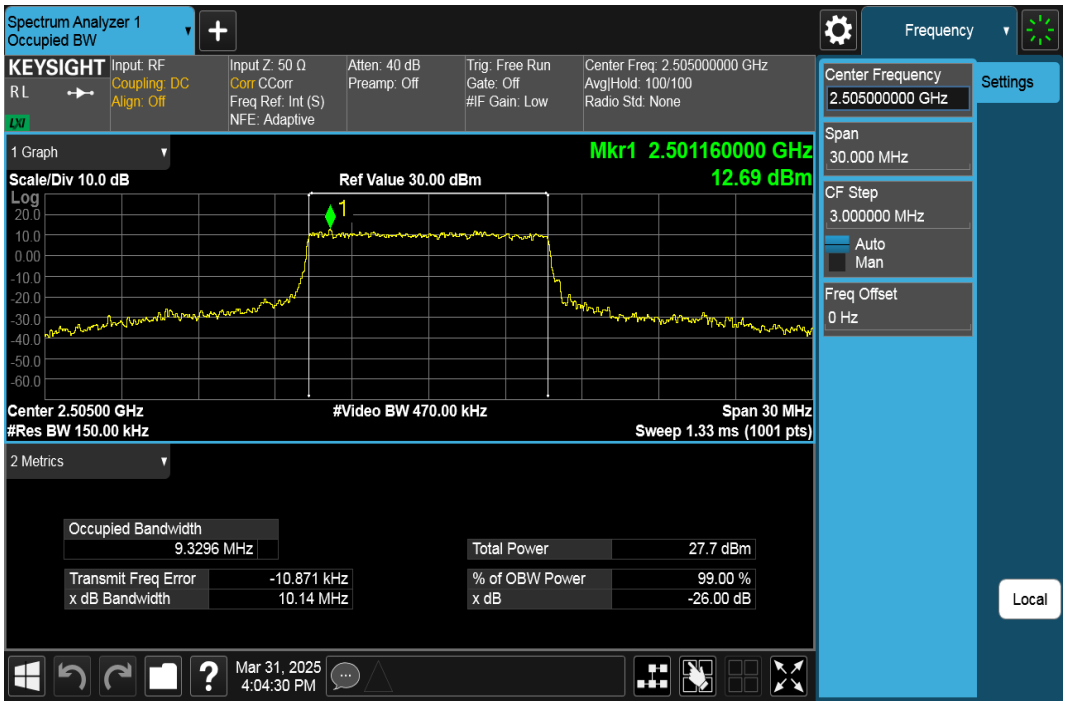

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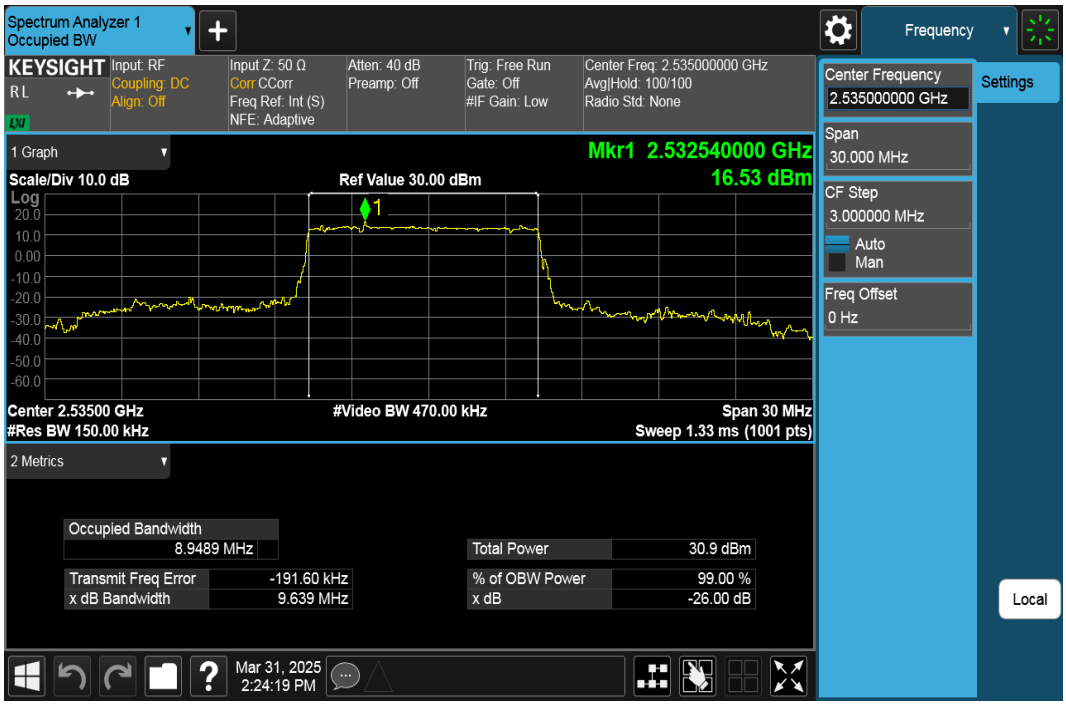

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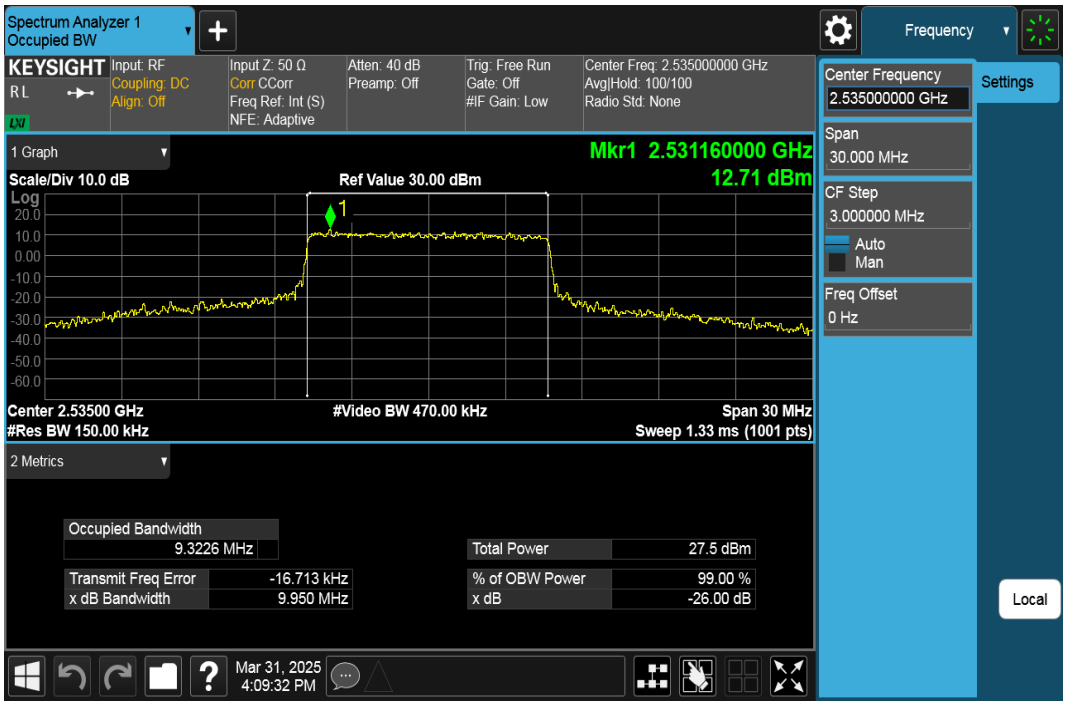

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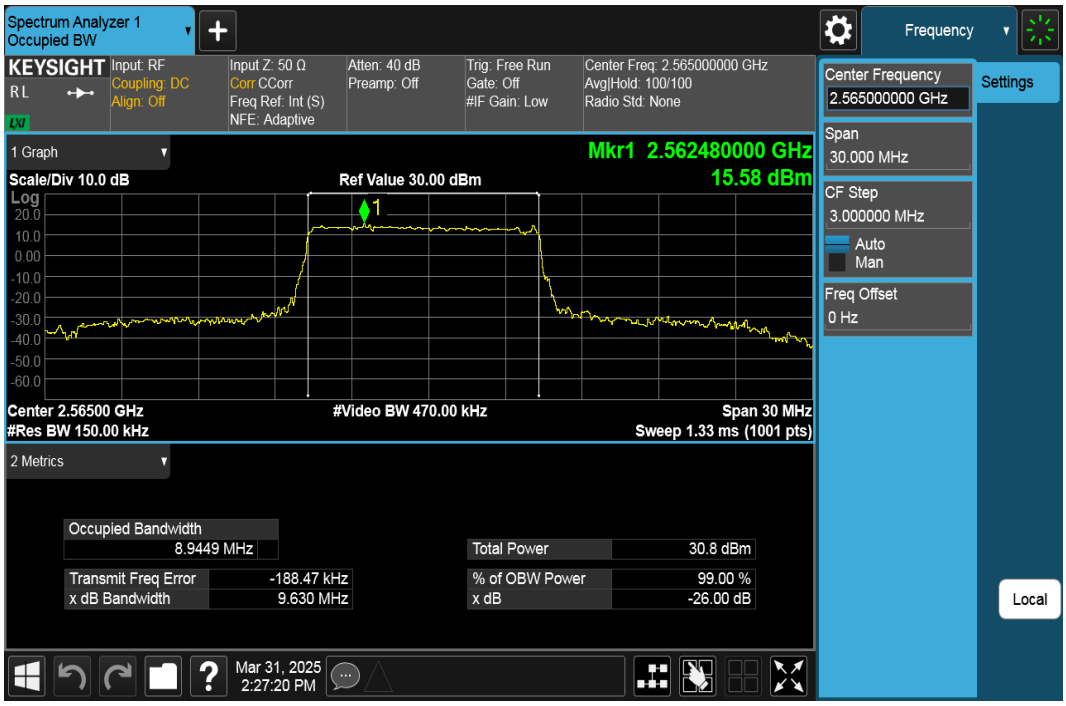

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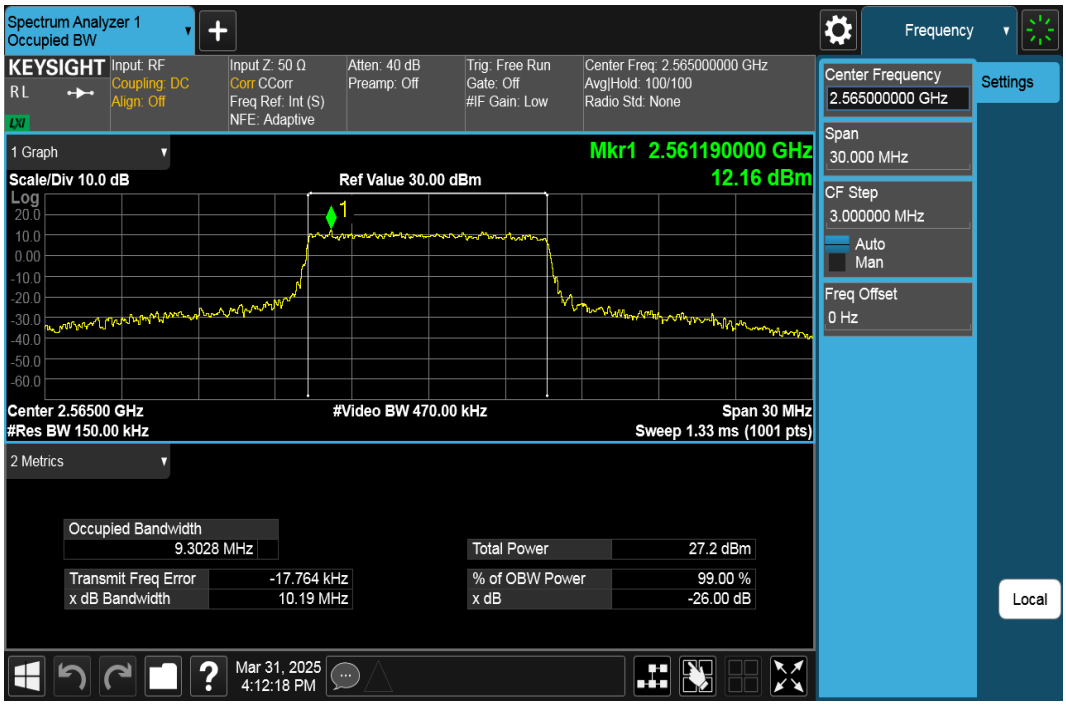

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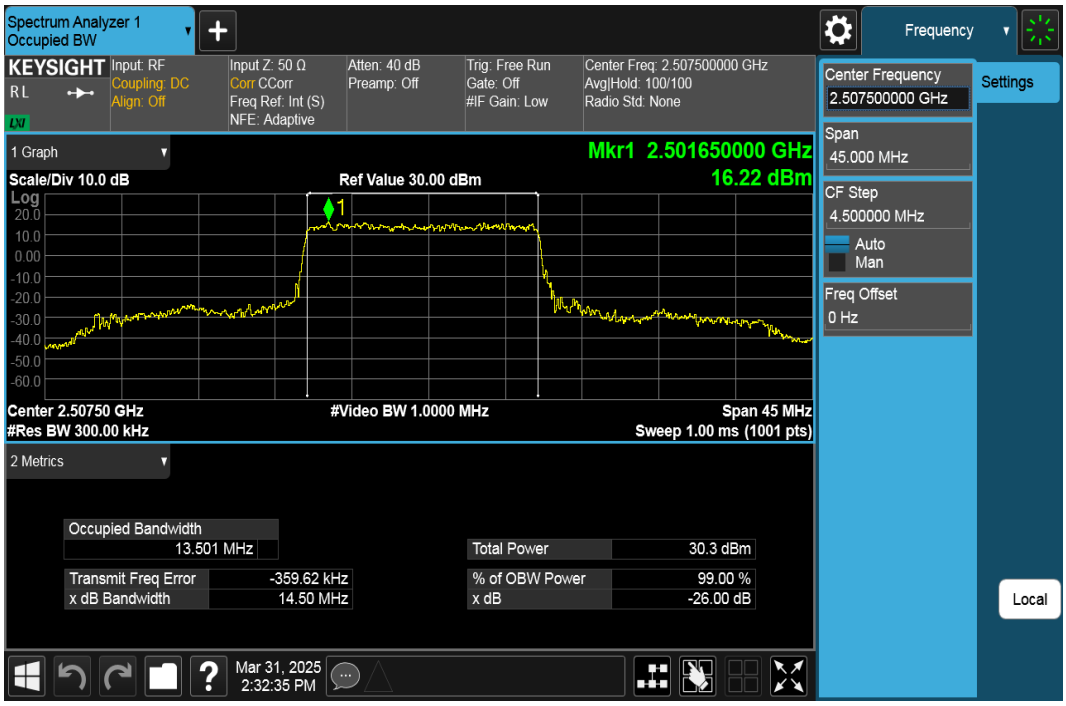

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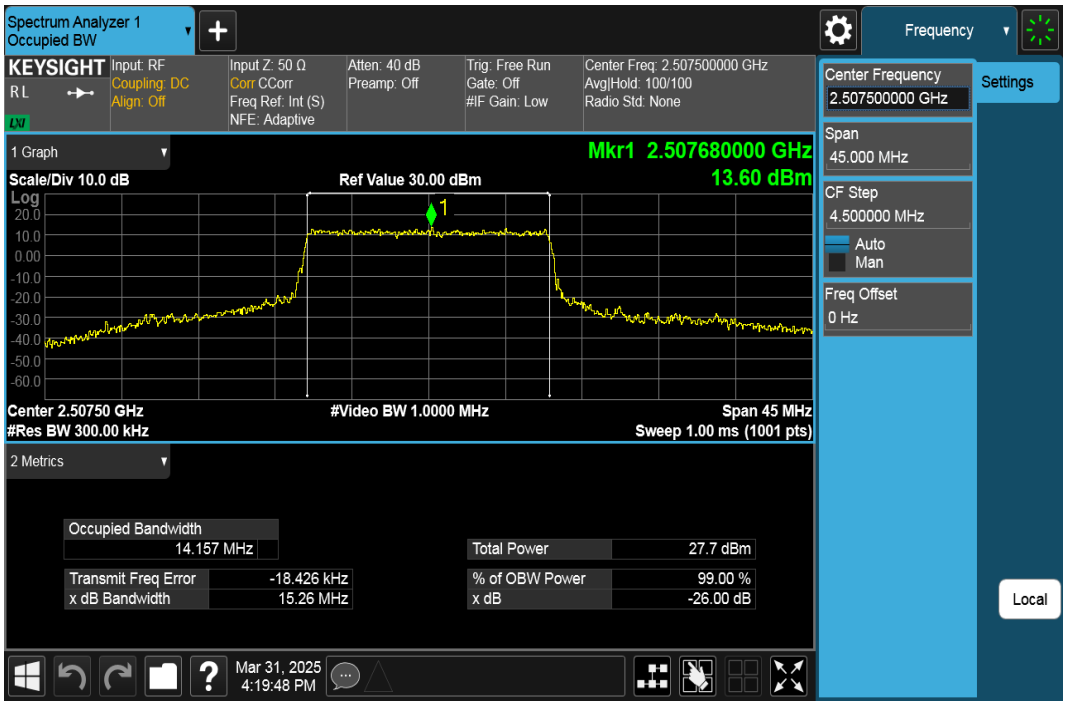

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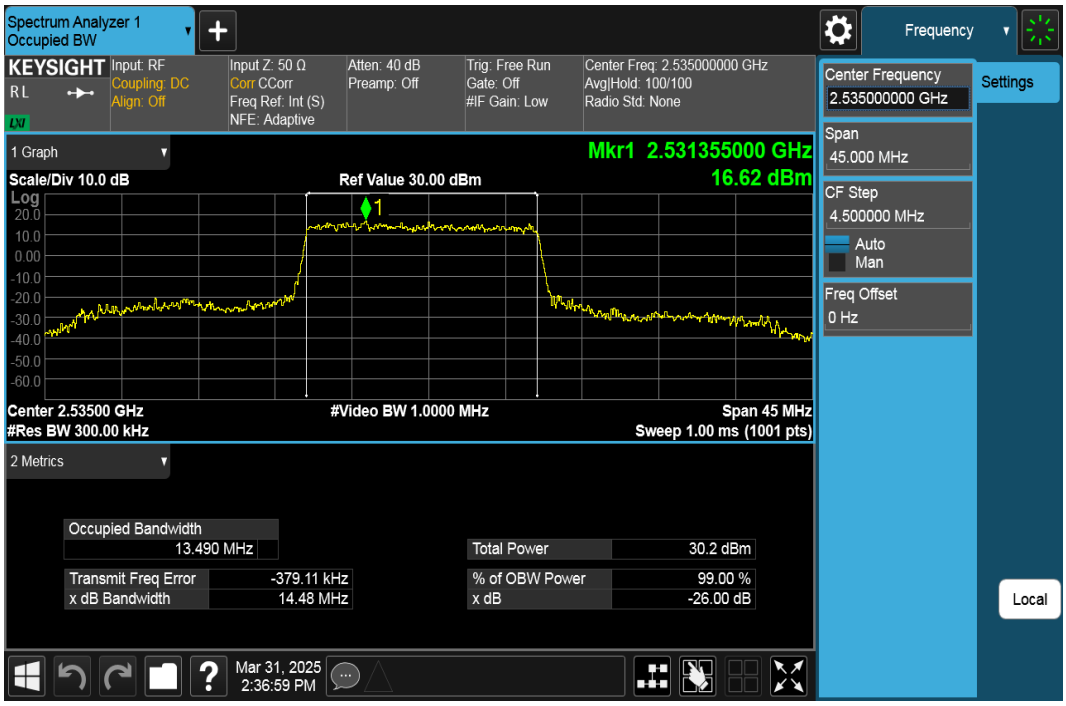

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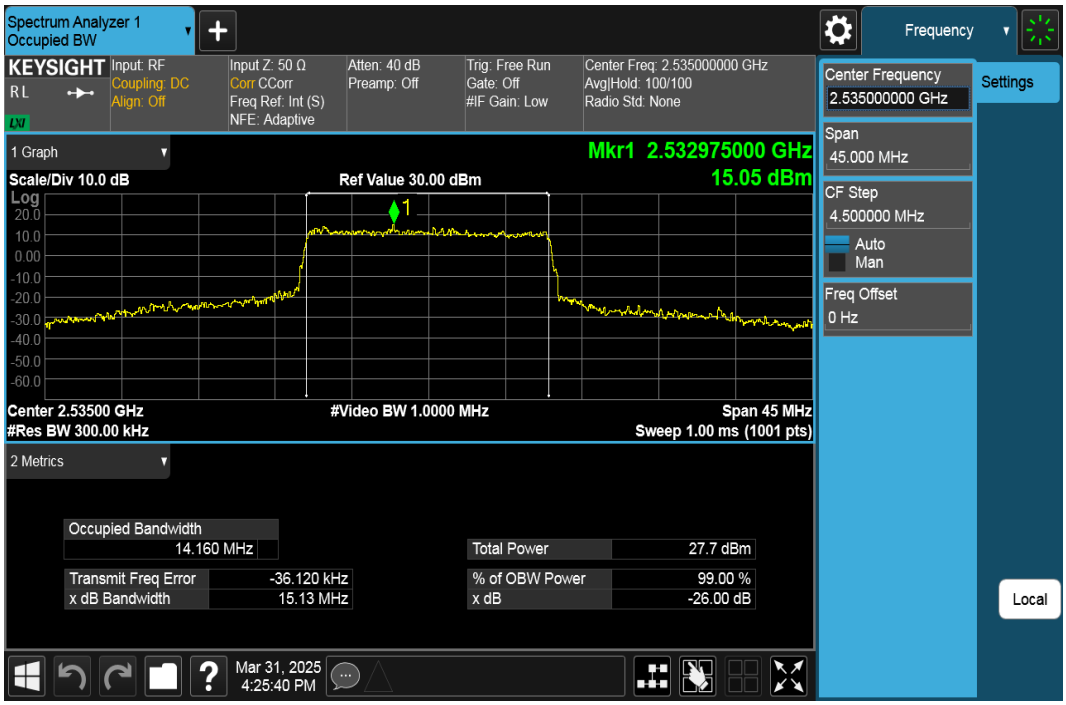
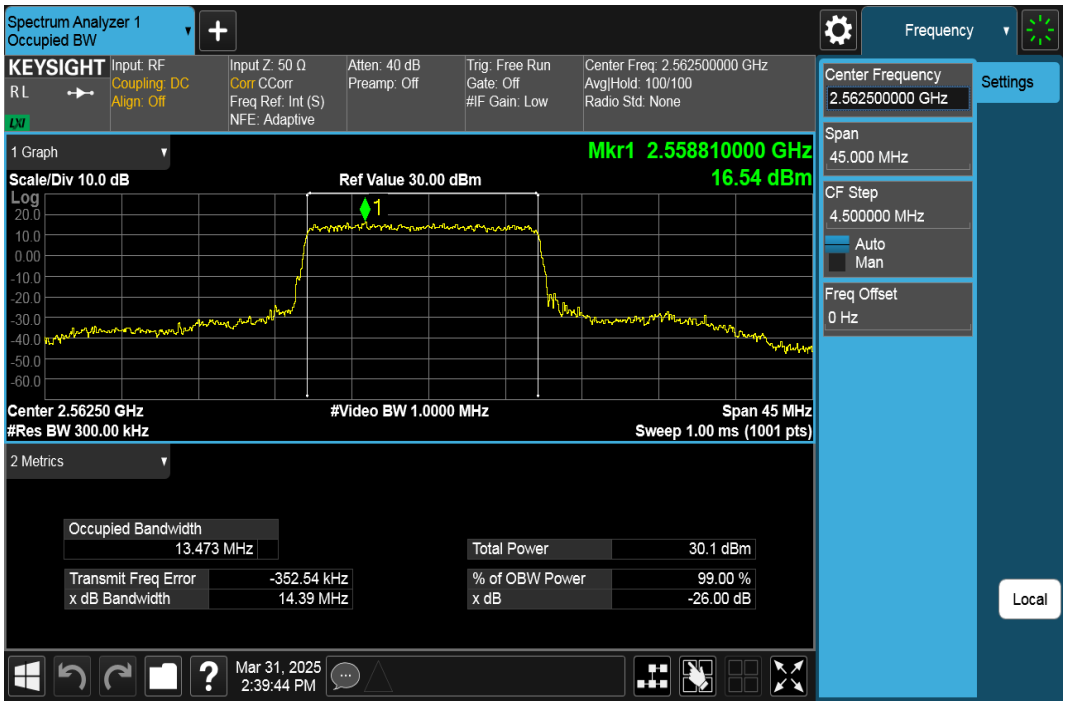


N7-15M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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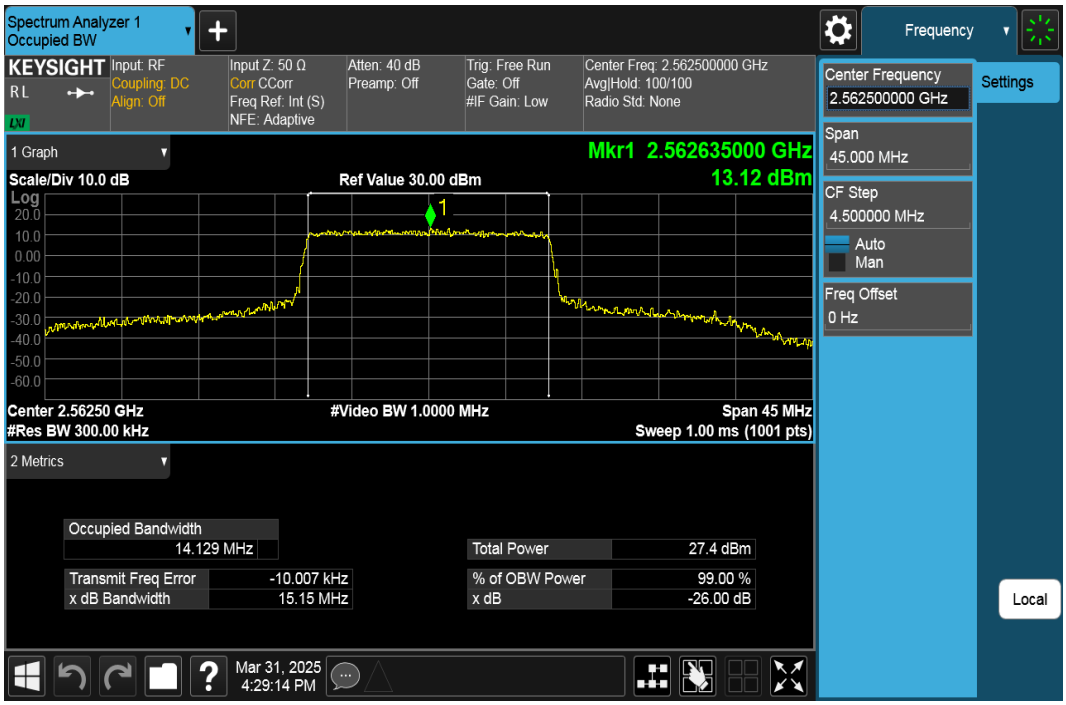
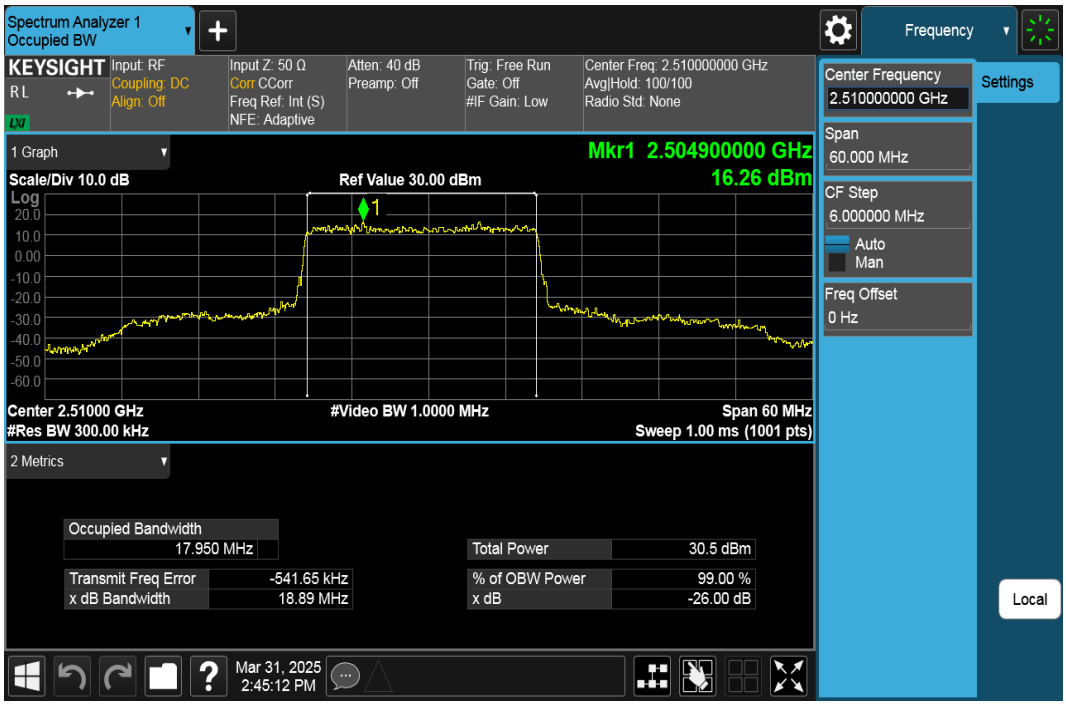


N7-20M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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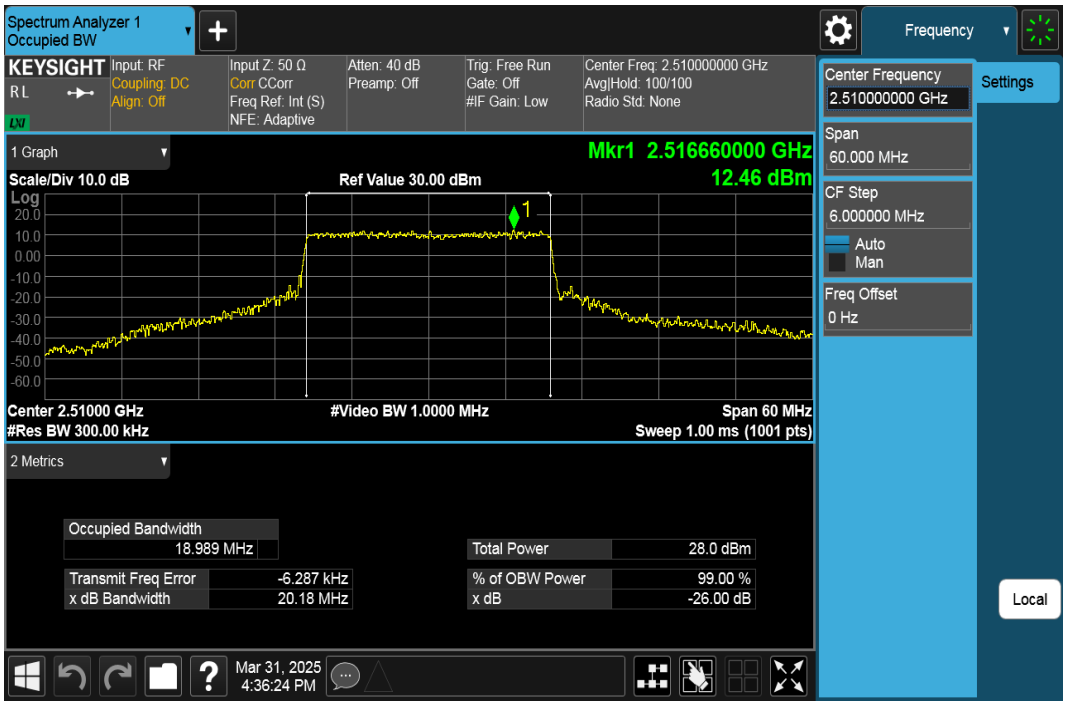
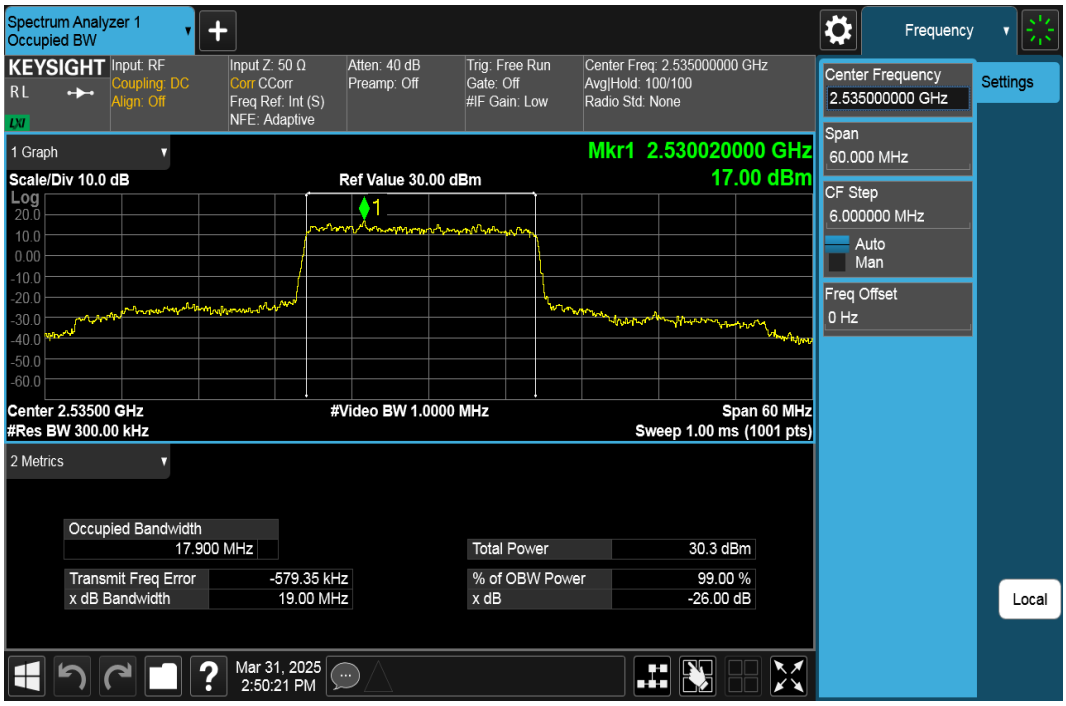


N7-20M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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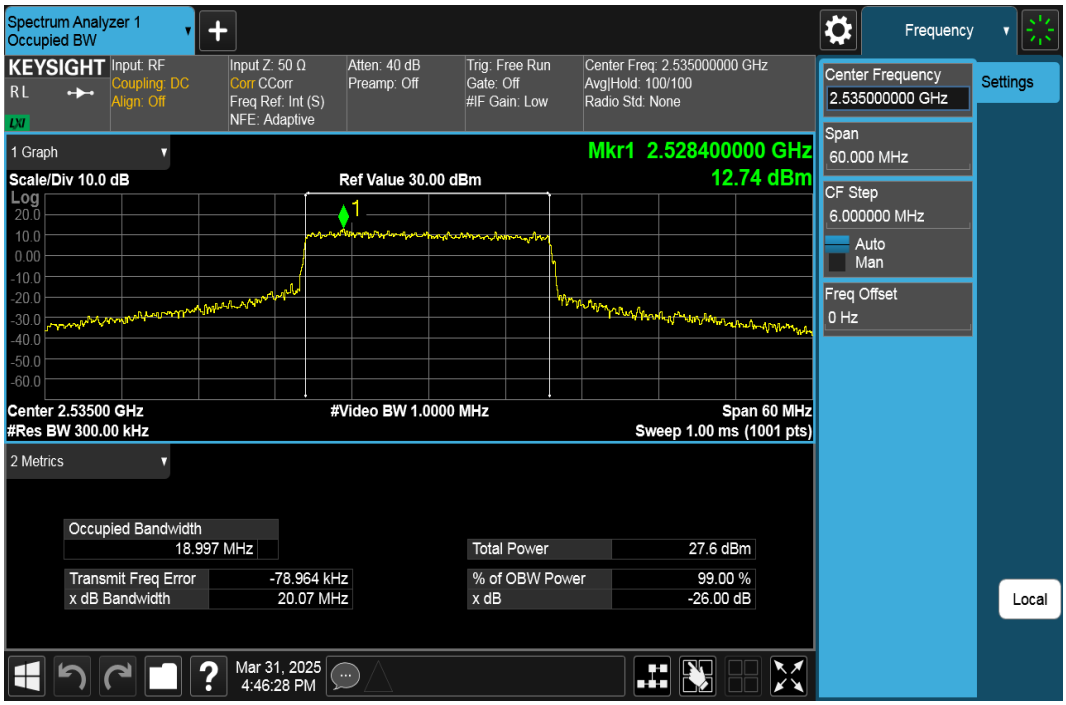

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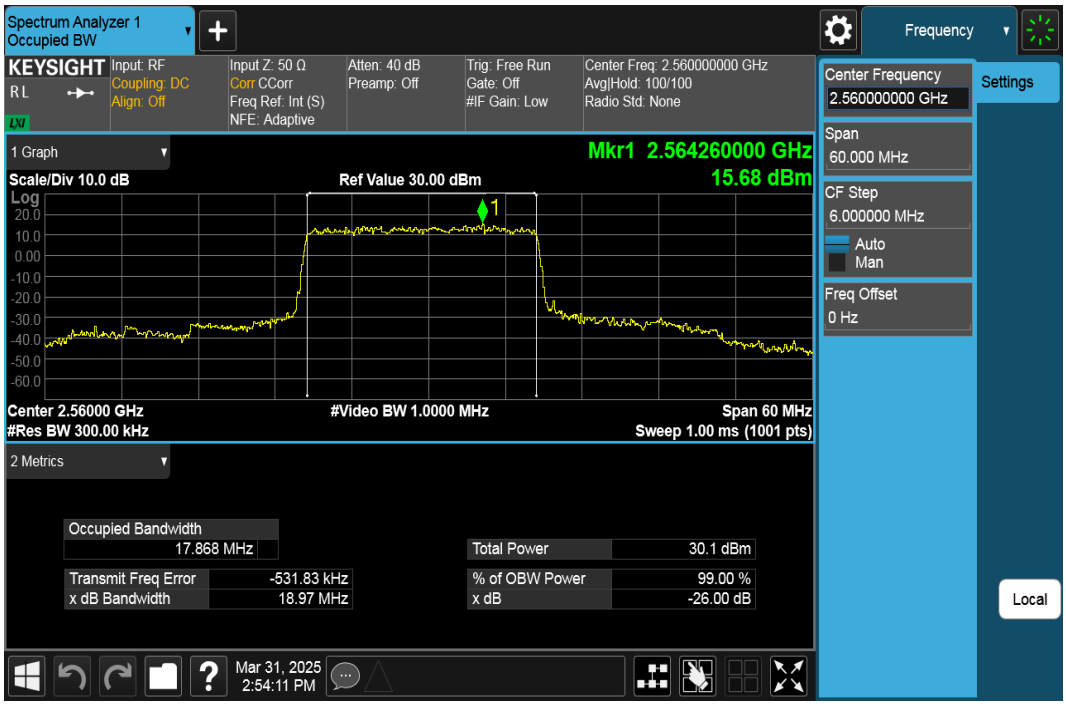
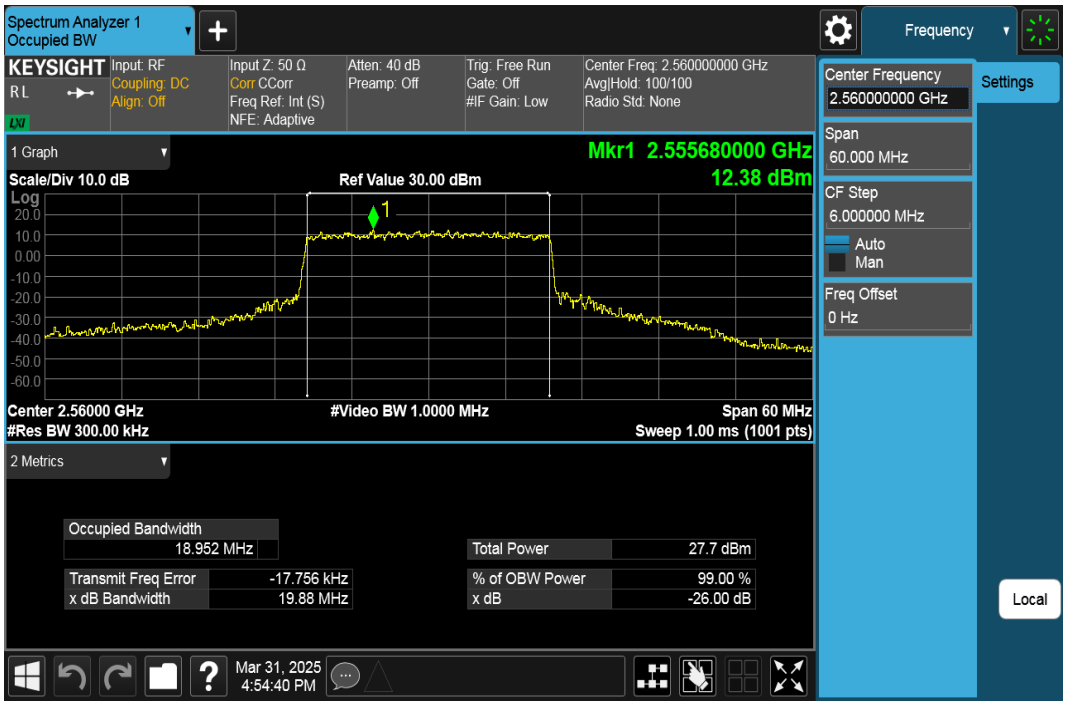
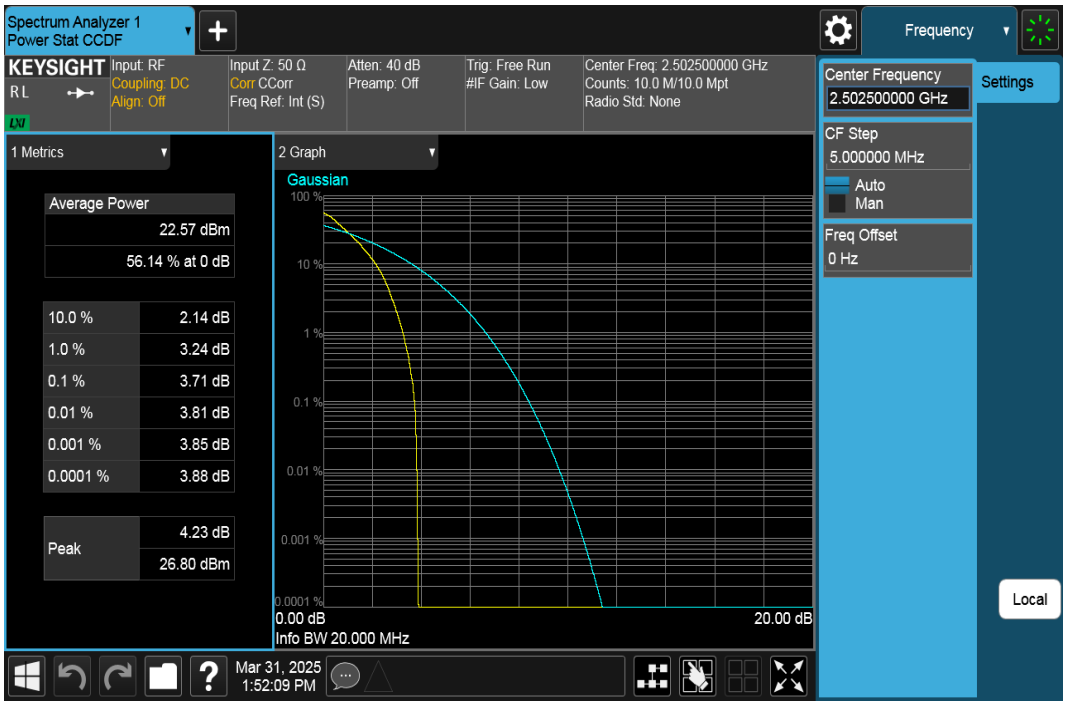


N7-20M-OBW-HCH-CP-OFDM-QPSK-Outer_Full

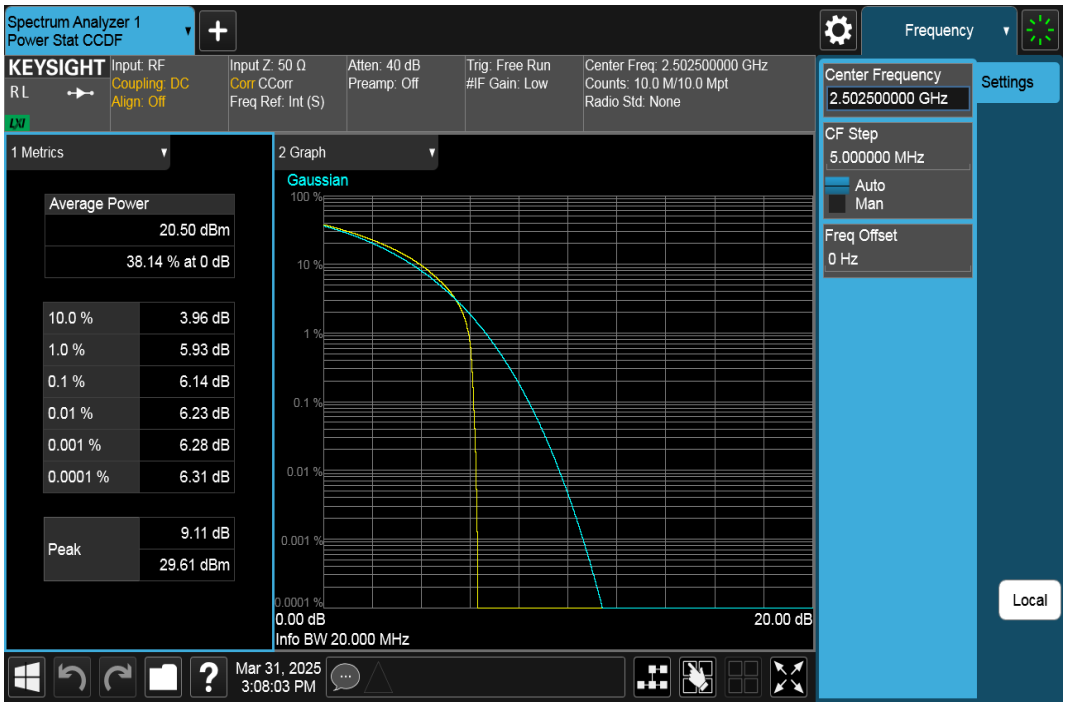


PAPR Test graph

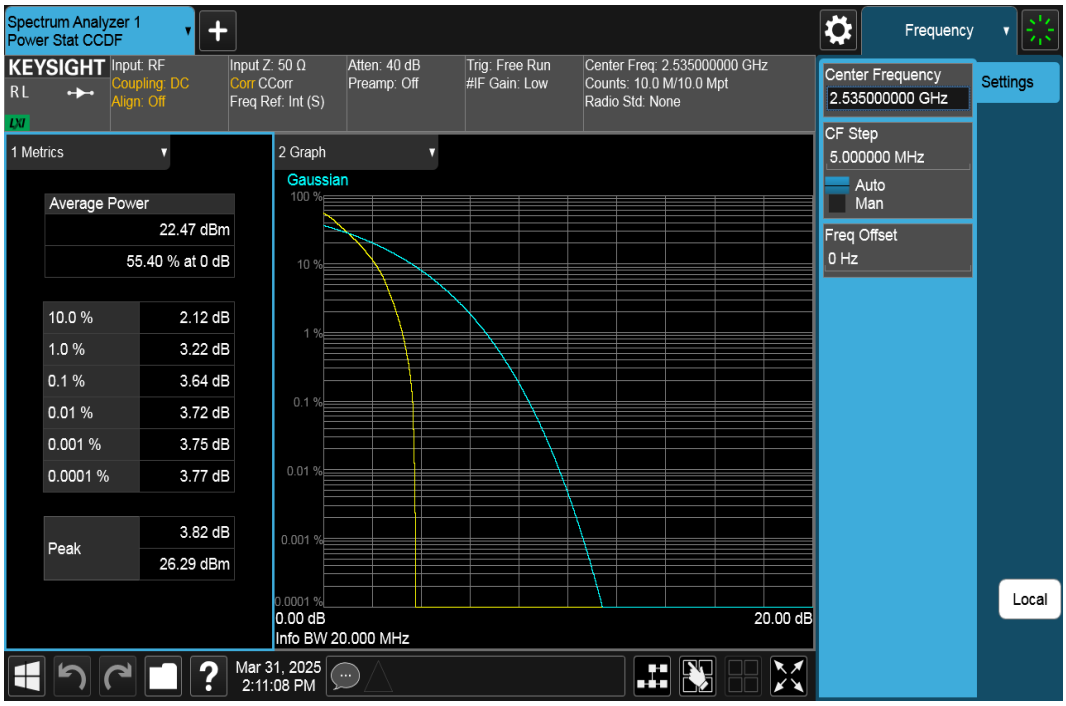
N7-5M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



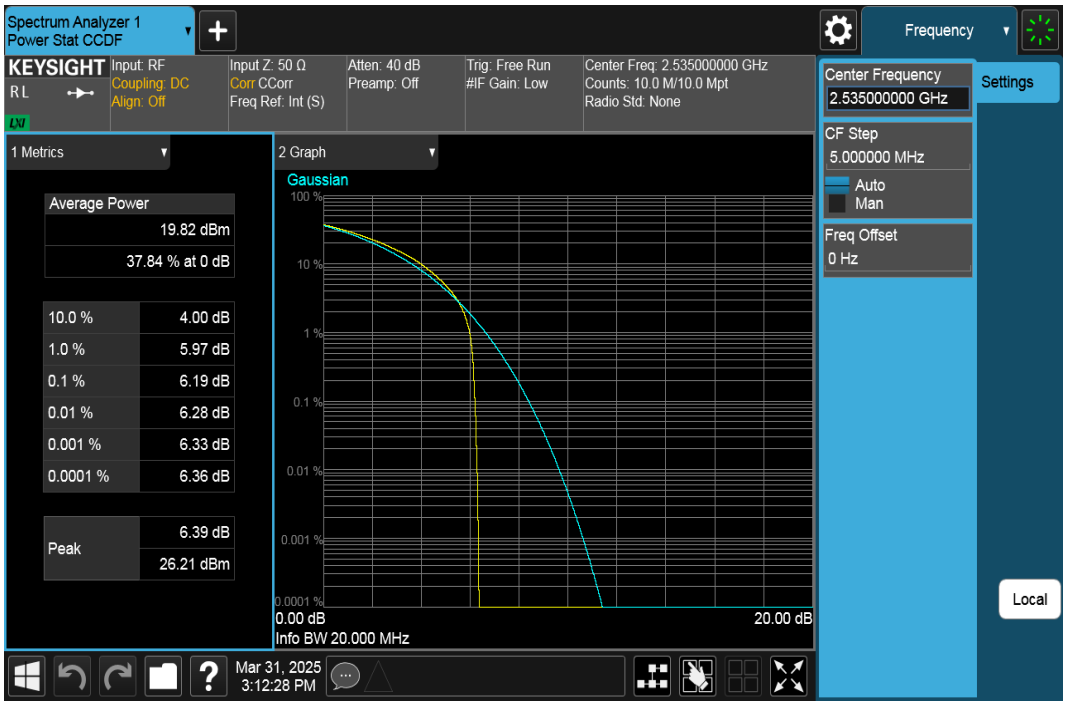
N7-5M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



N7-5M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N7-5M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



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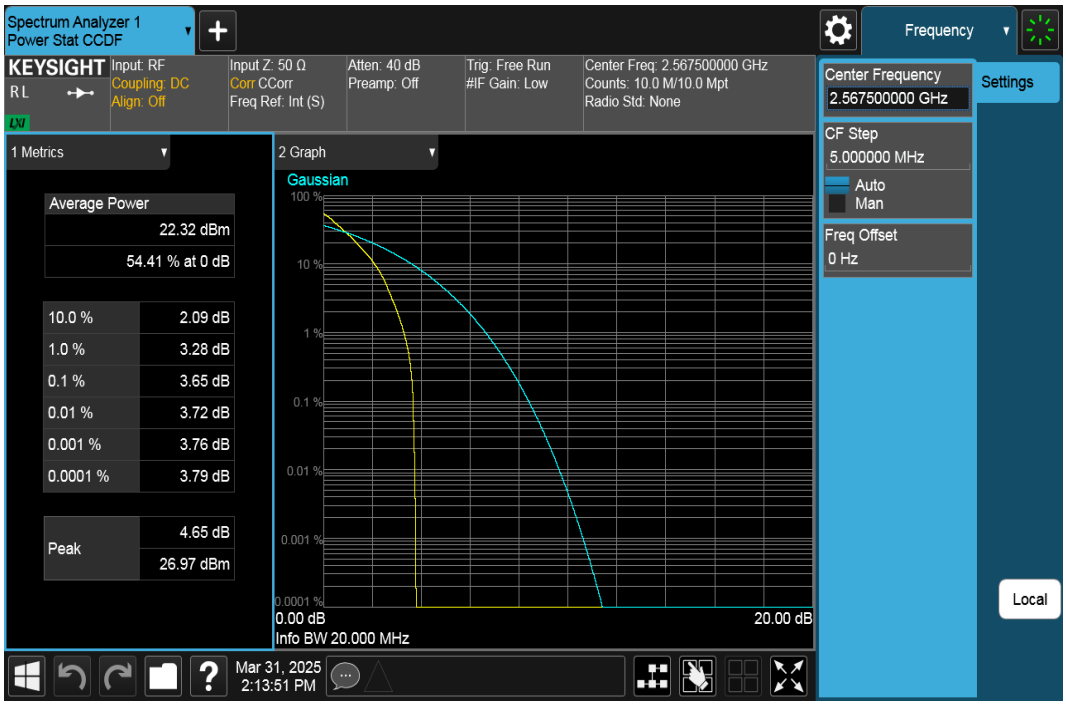

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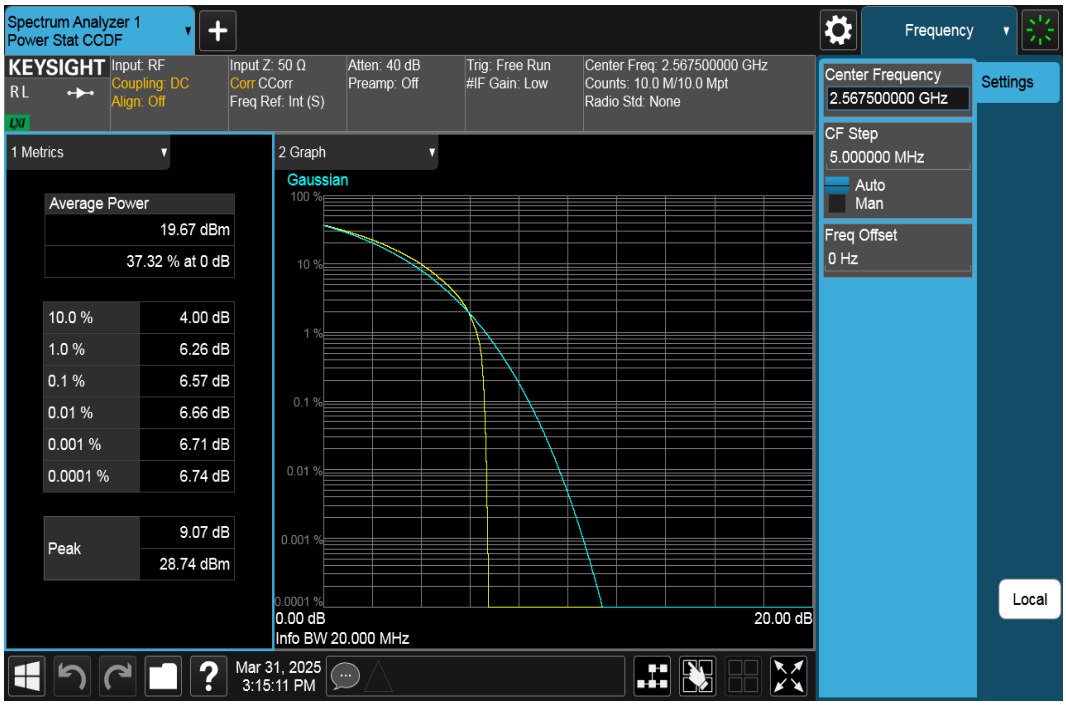
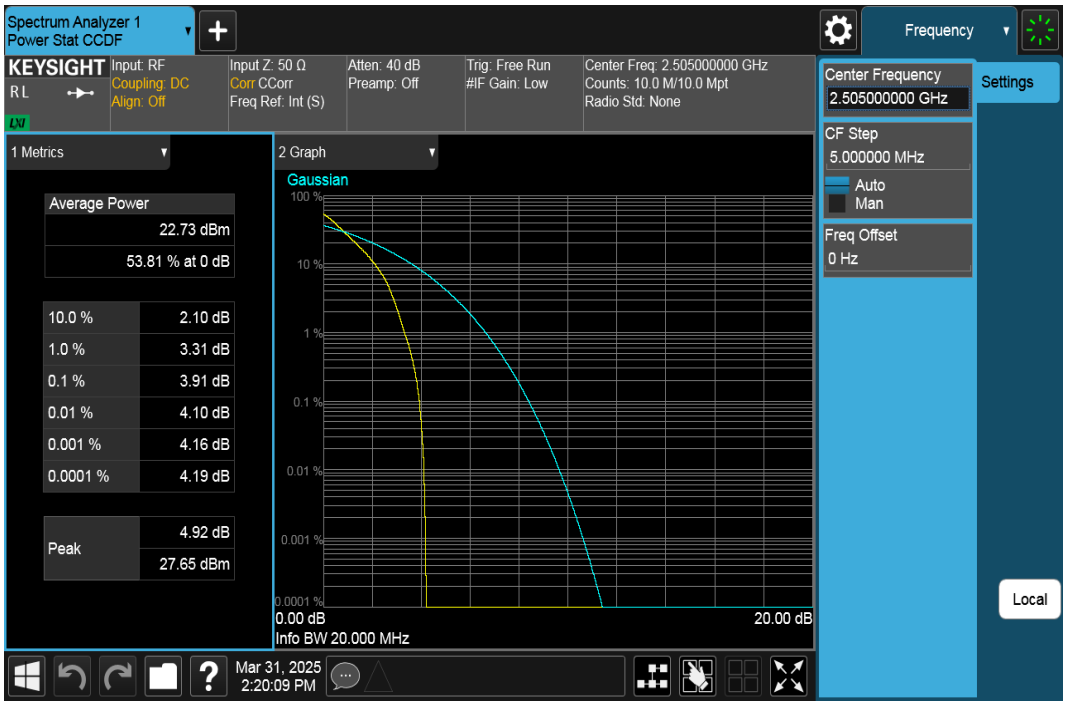


N7-10M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



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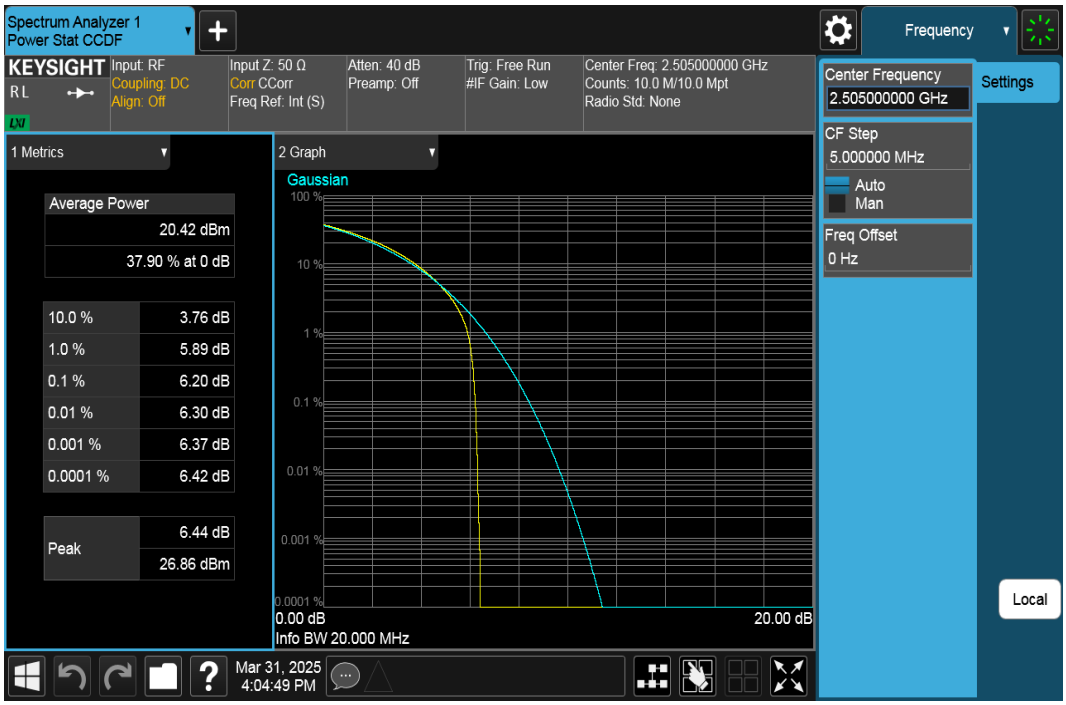

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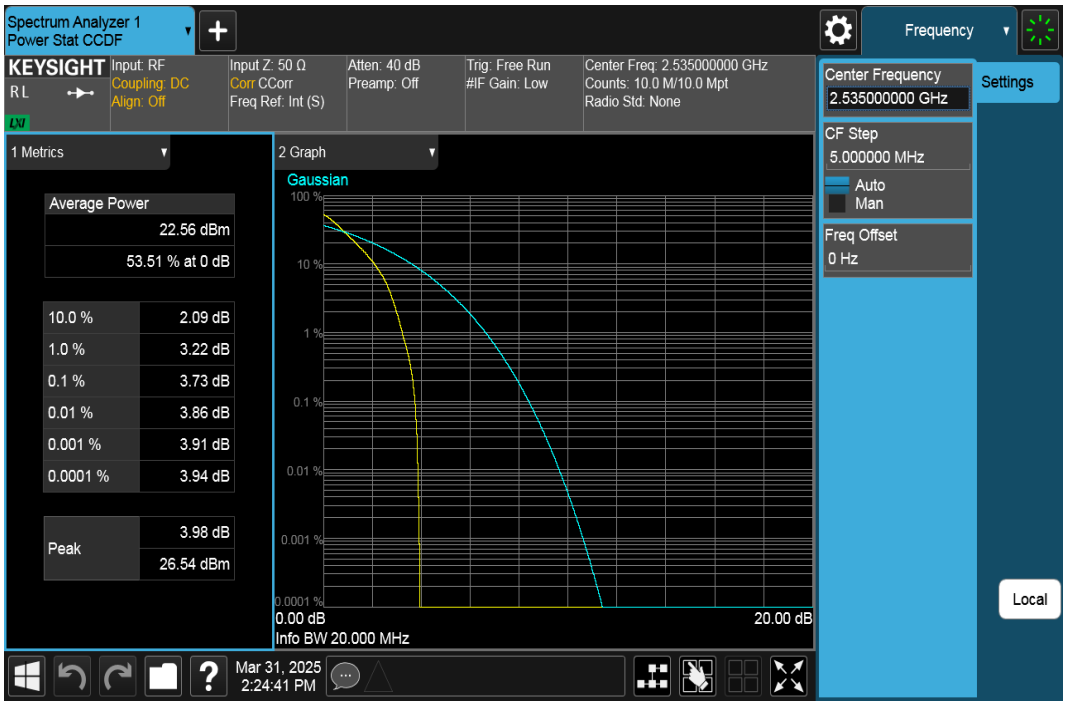
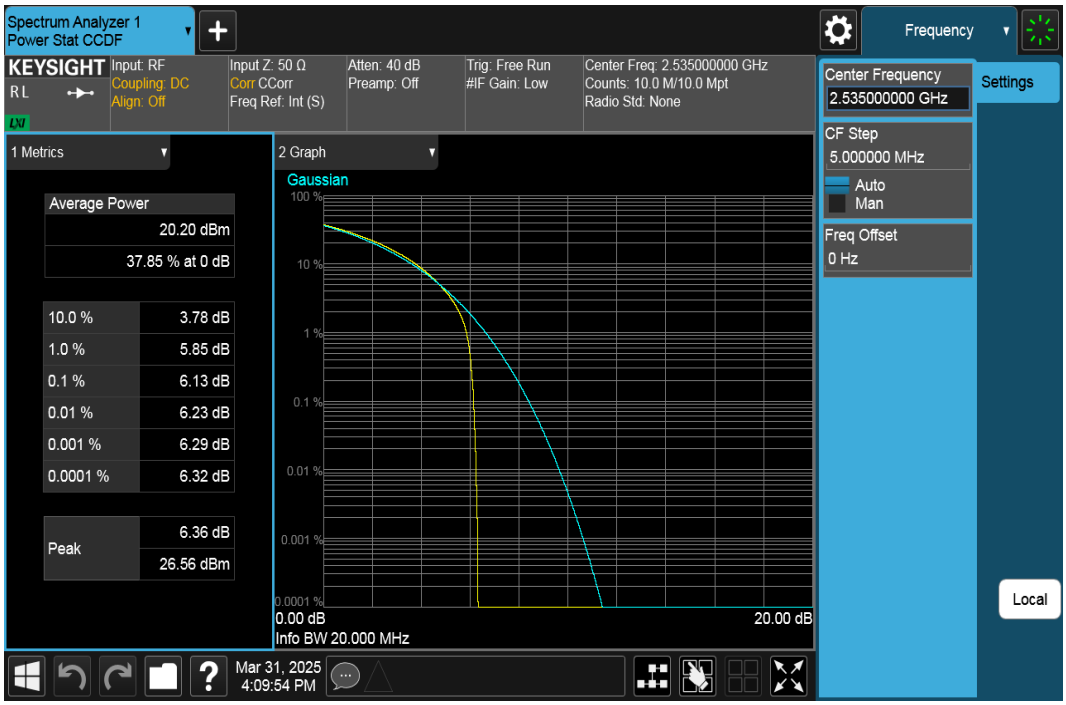
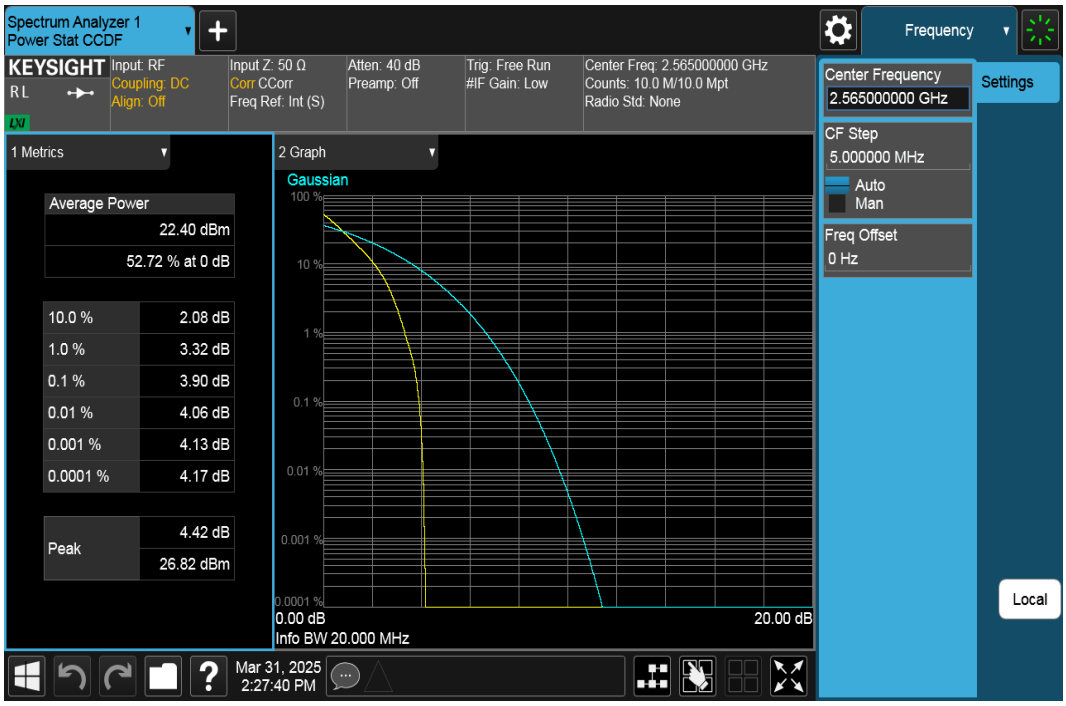


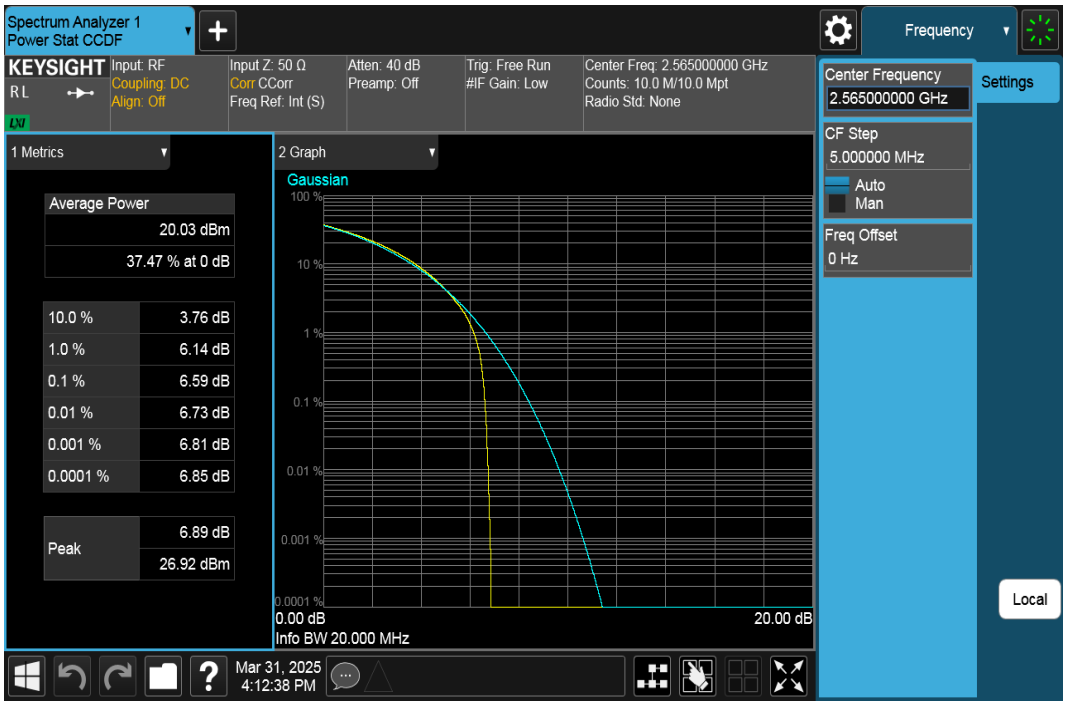
N7-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N7-10M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N7-10M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



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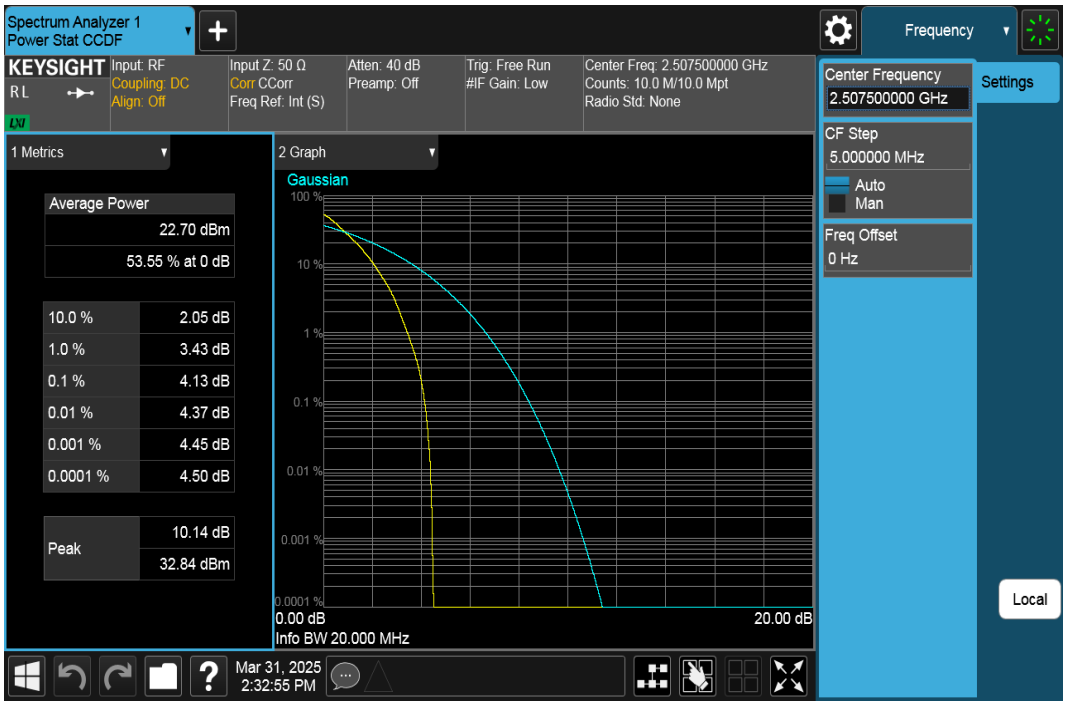
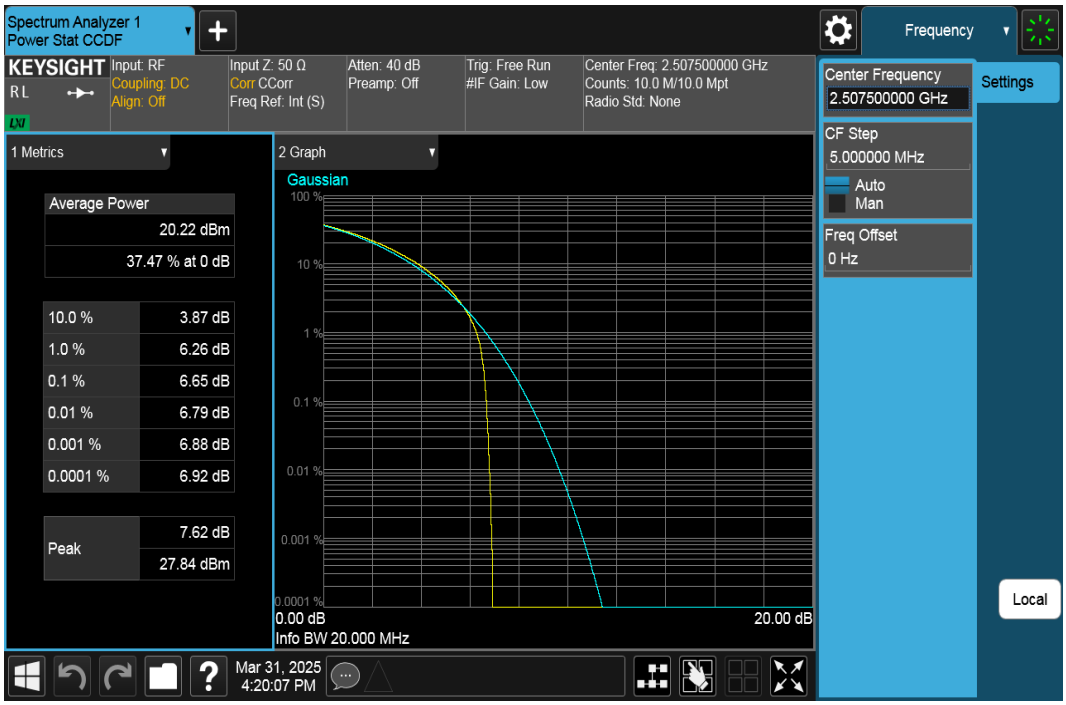


N7-15M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



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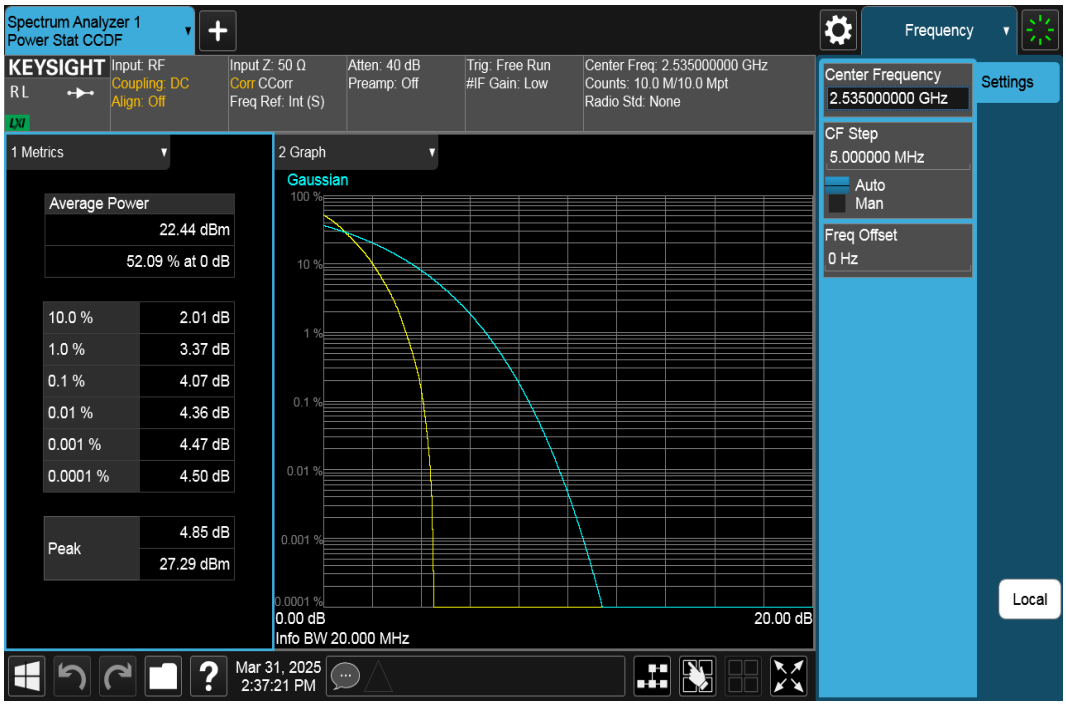

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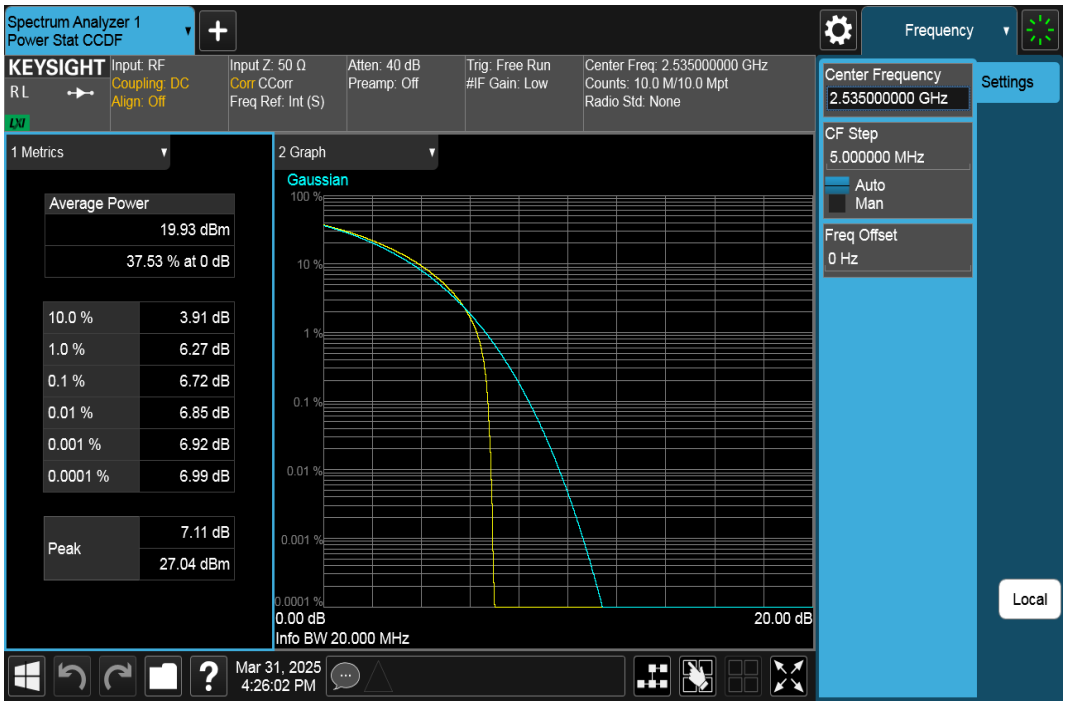

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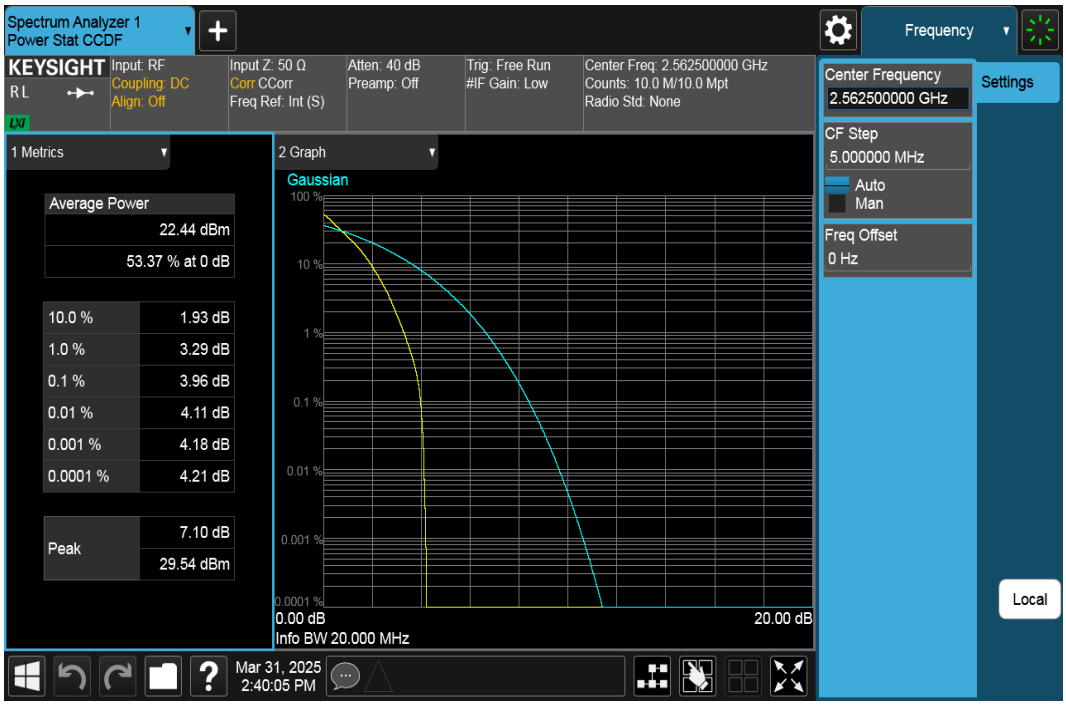

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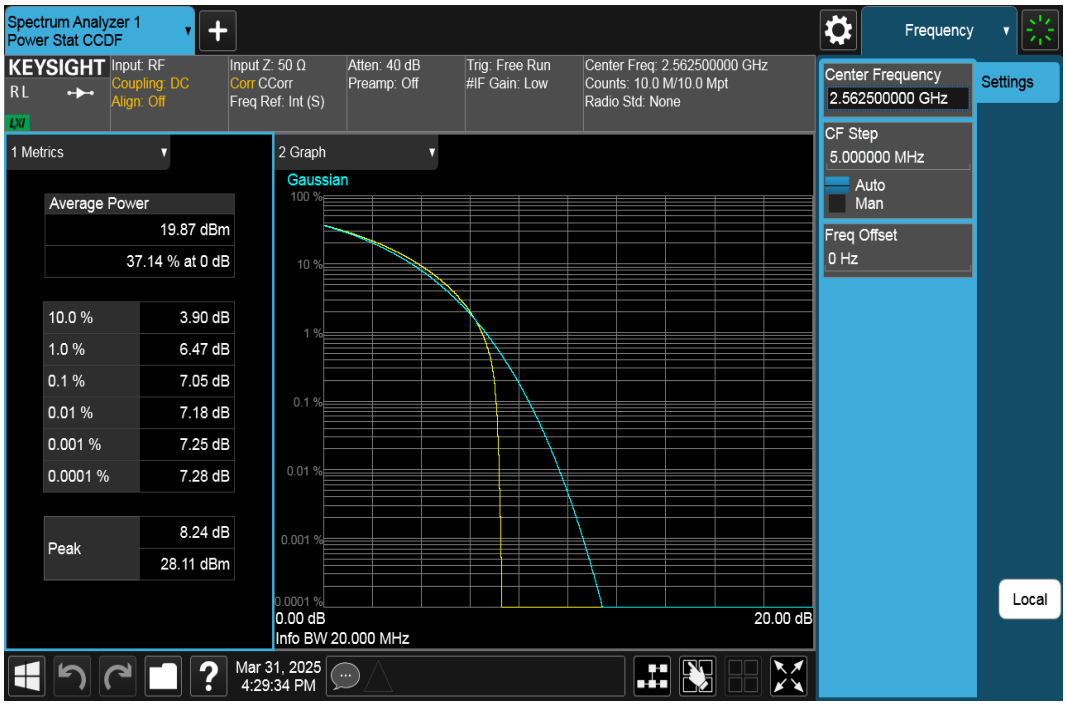

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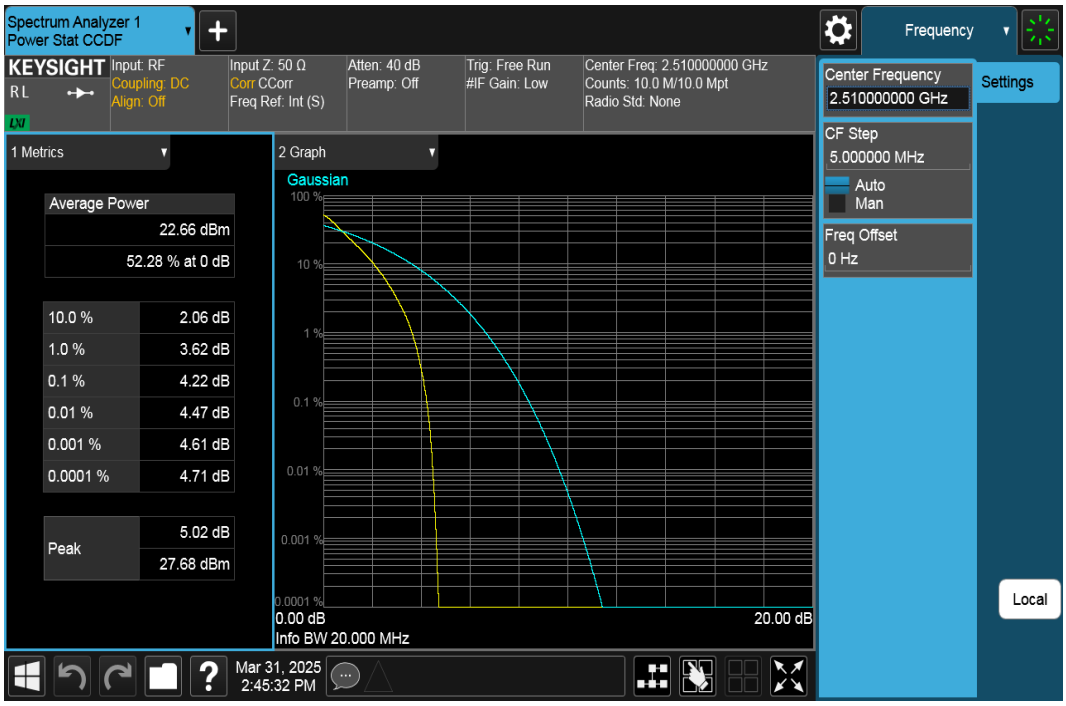

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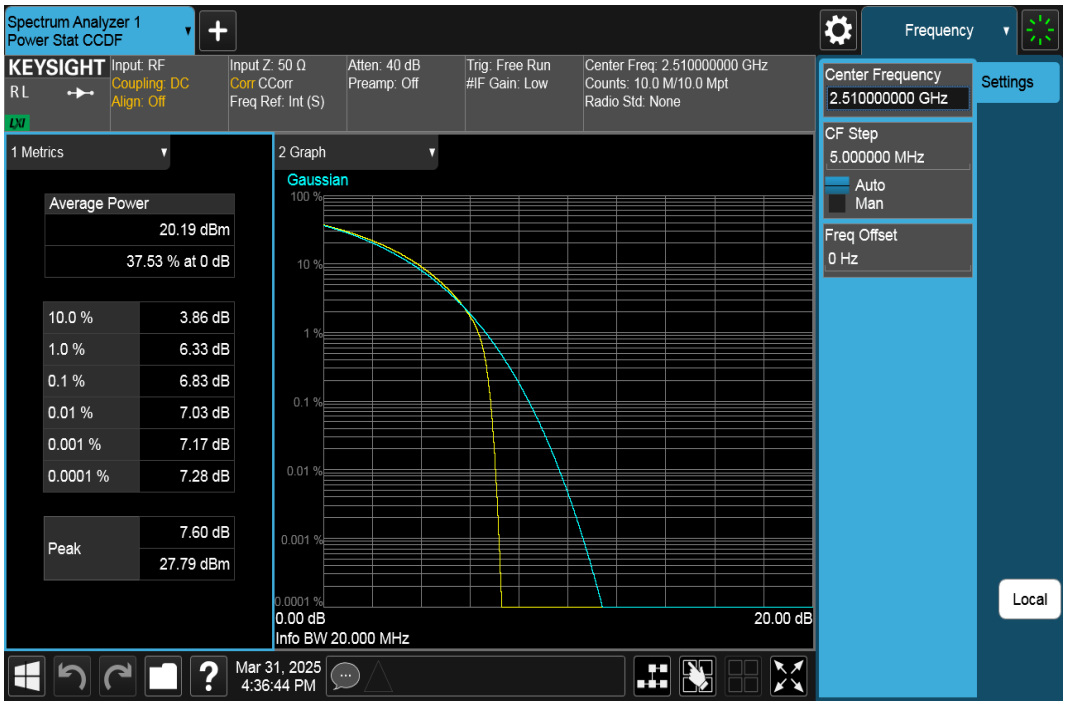

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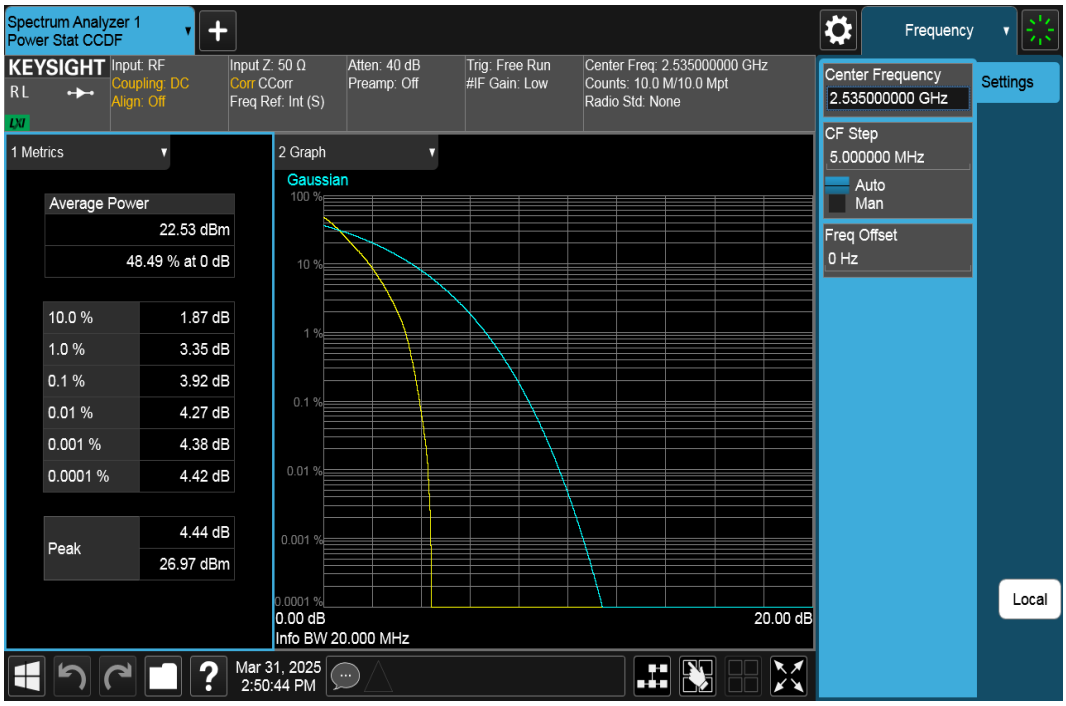

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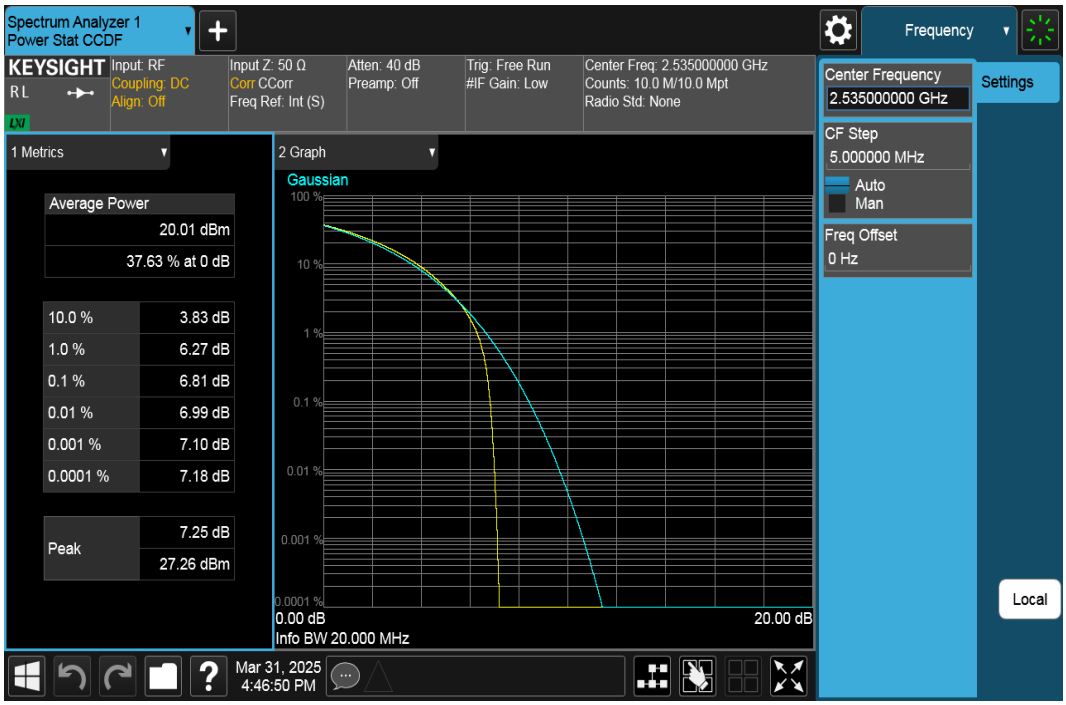

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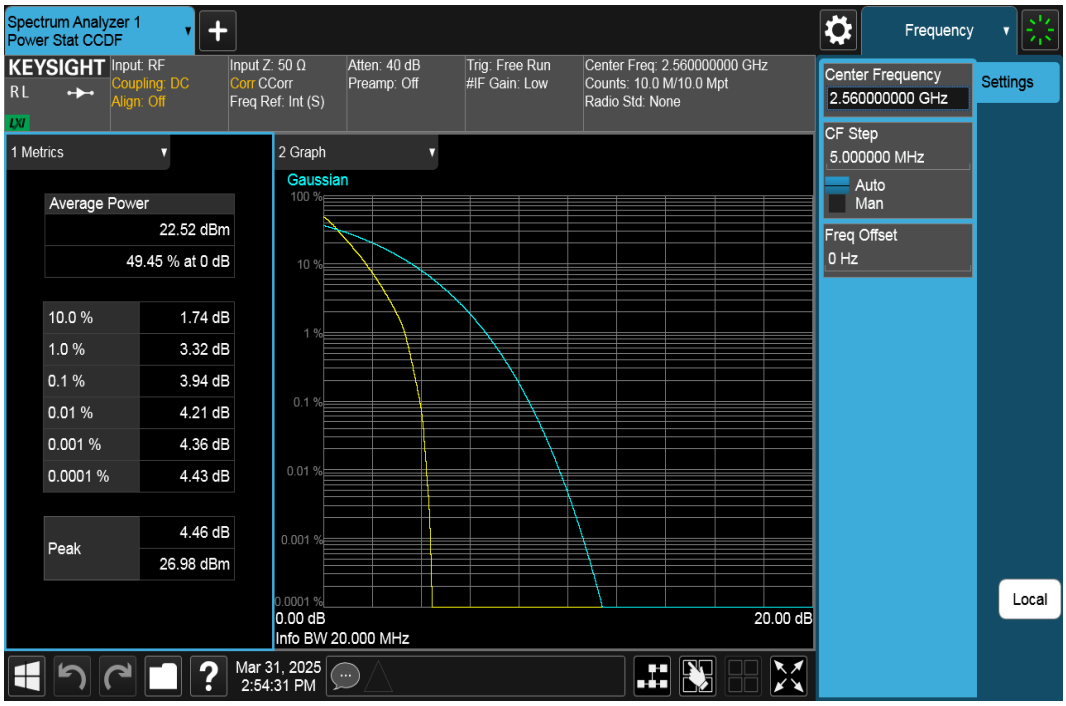

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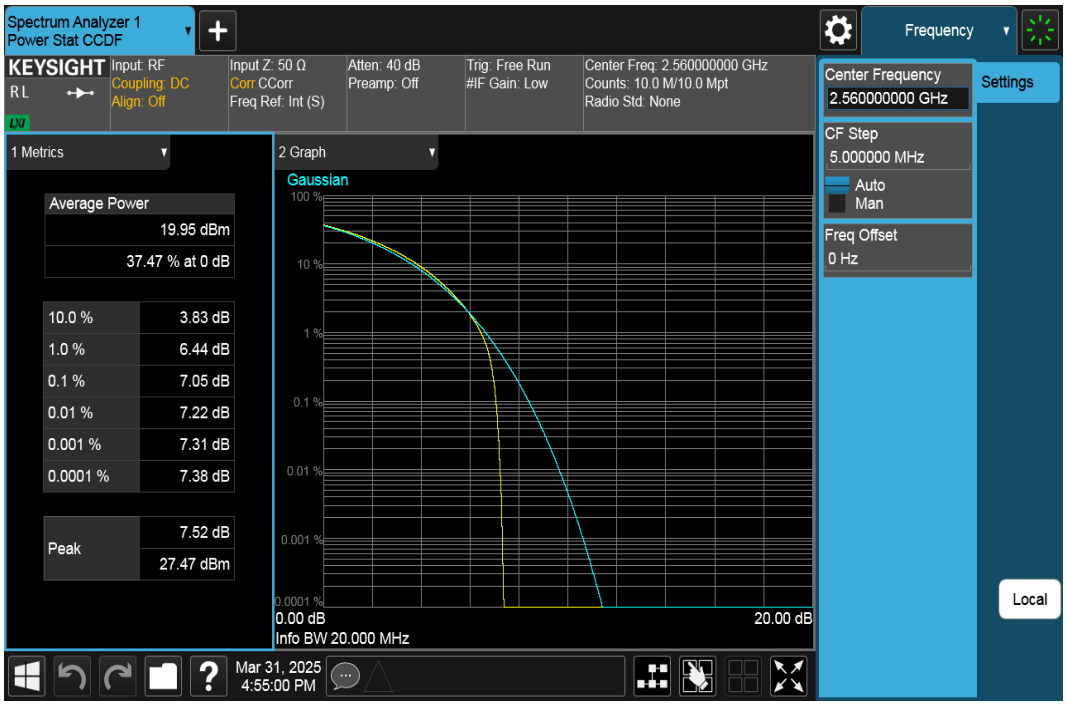
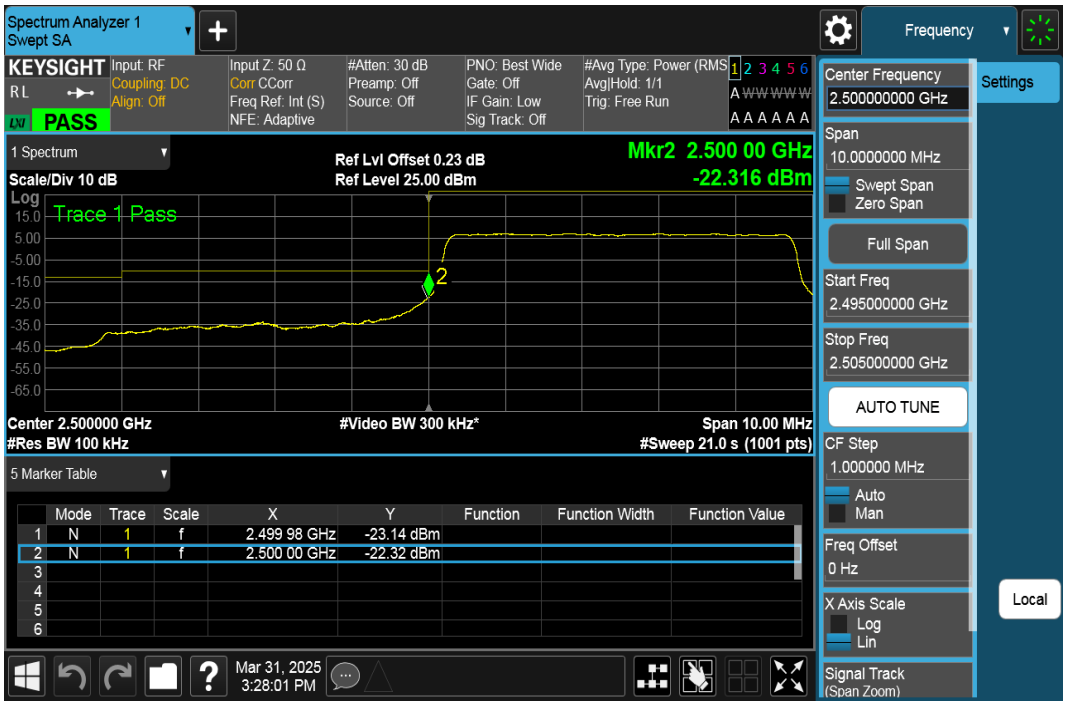


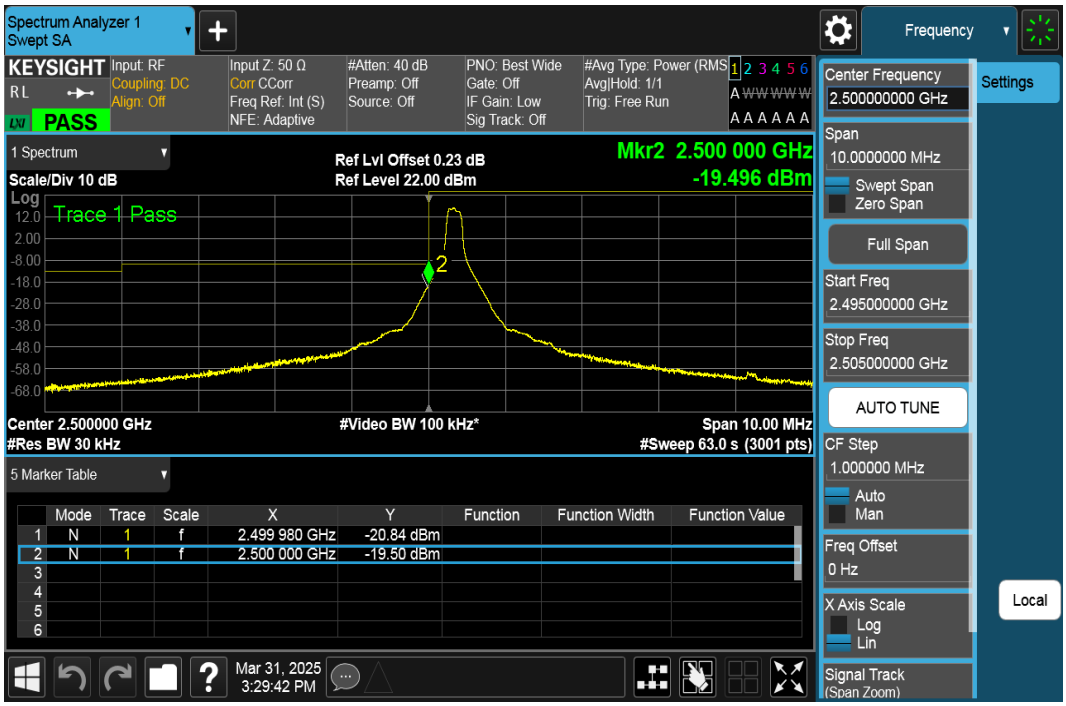
Bandedge

test graph

N7-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N7-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



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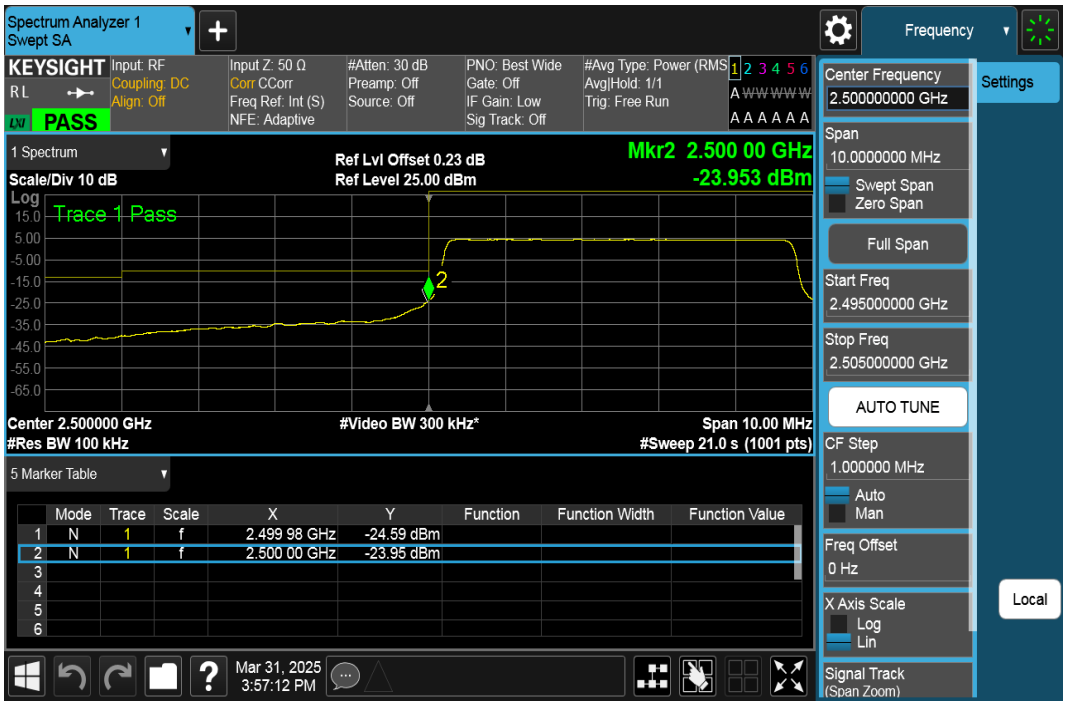

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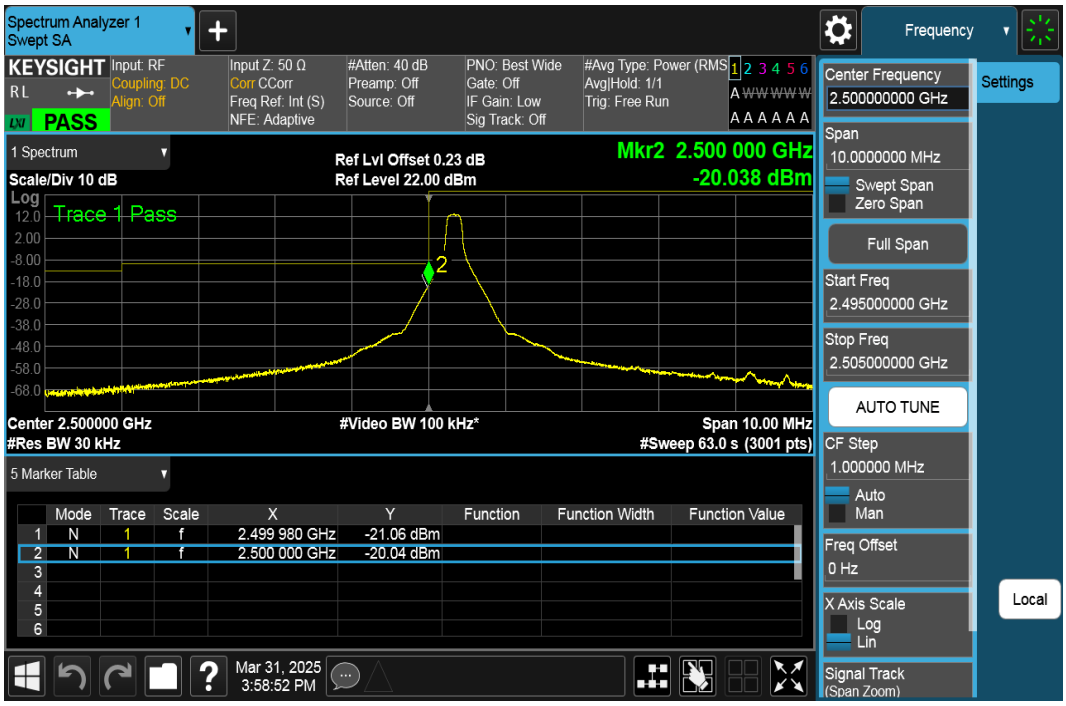
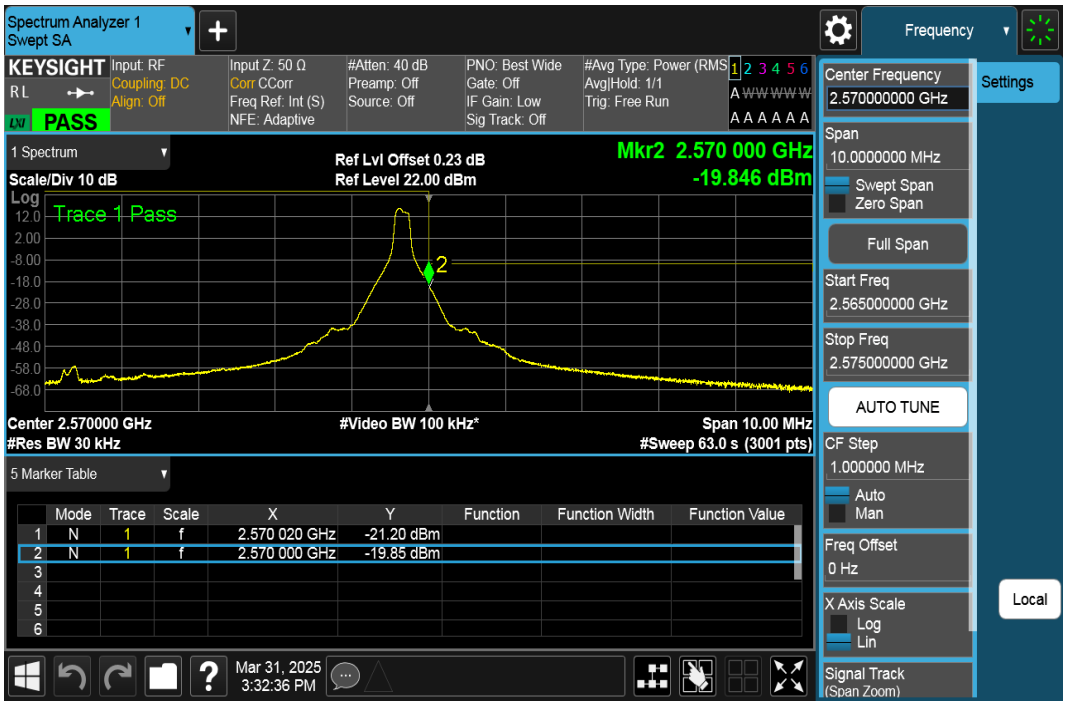


N7-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N7-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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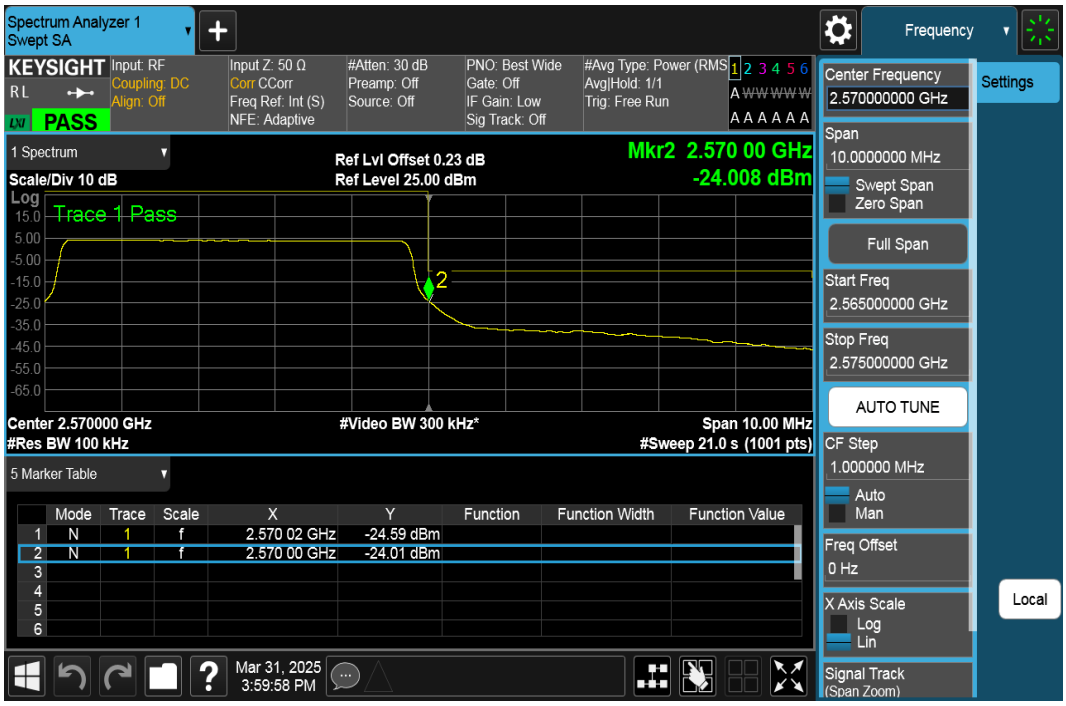

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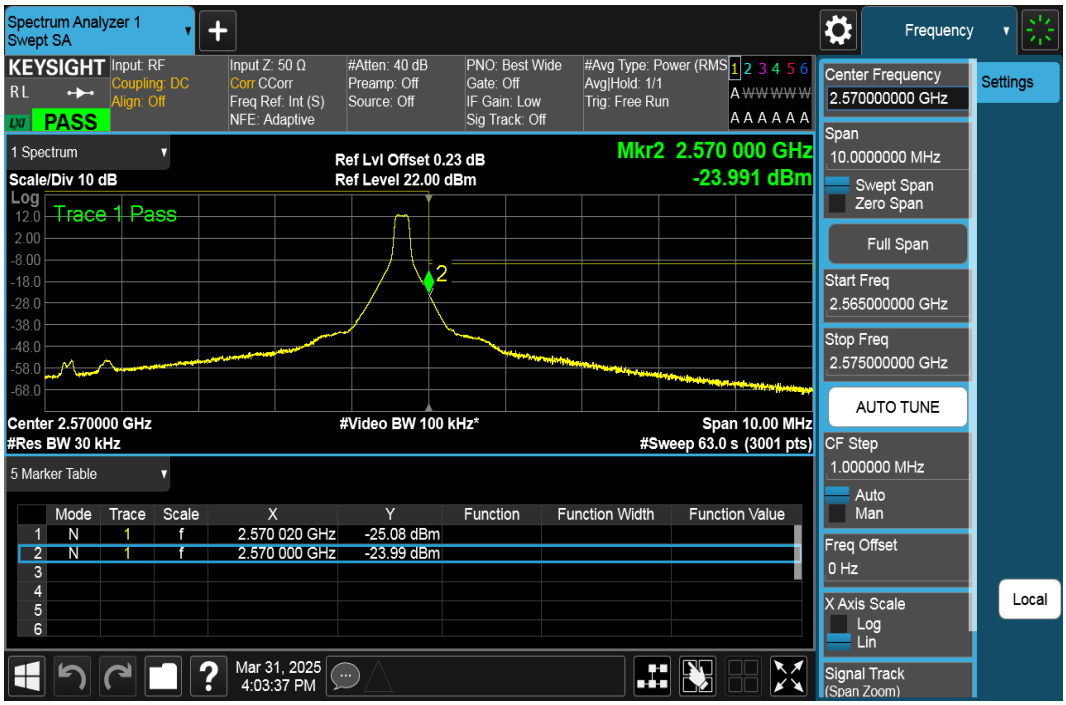

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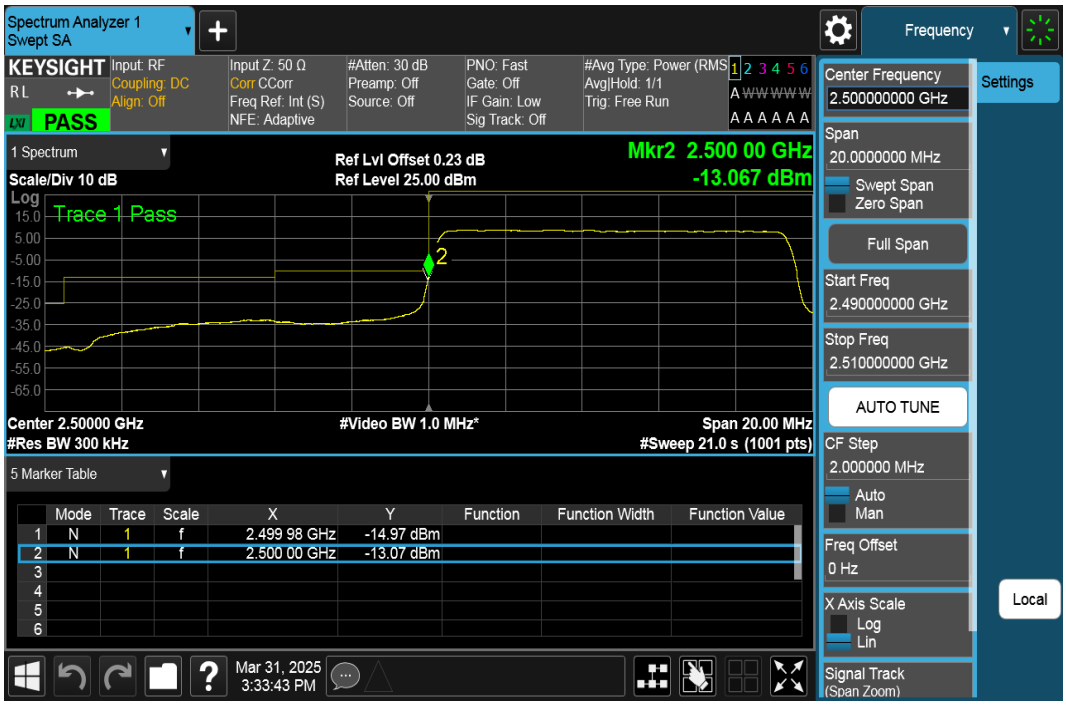

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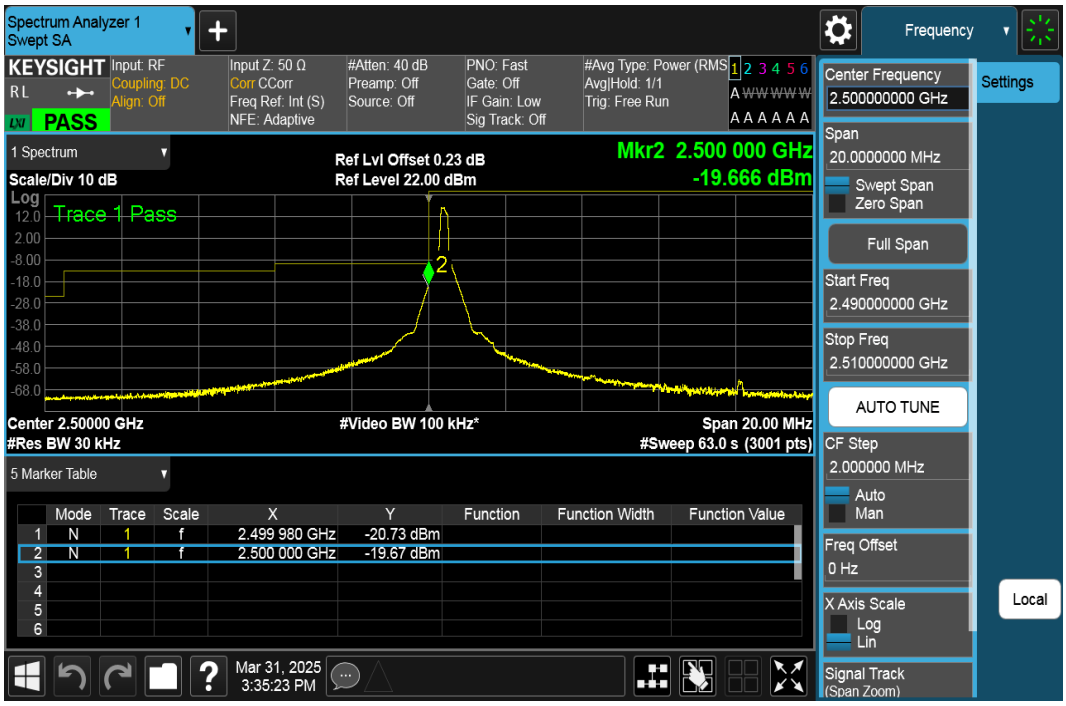

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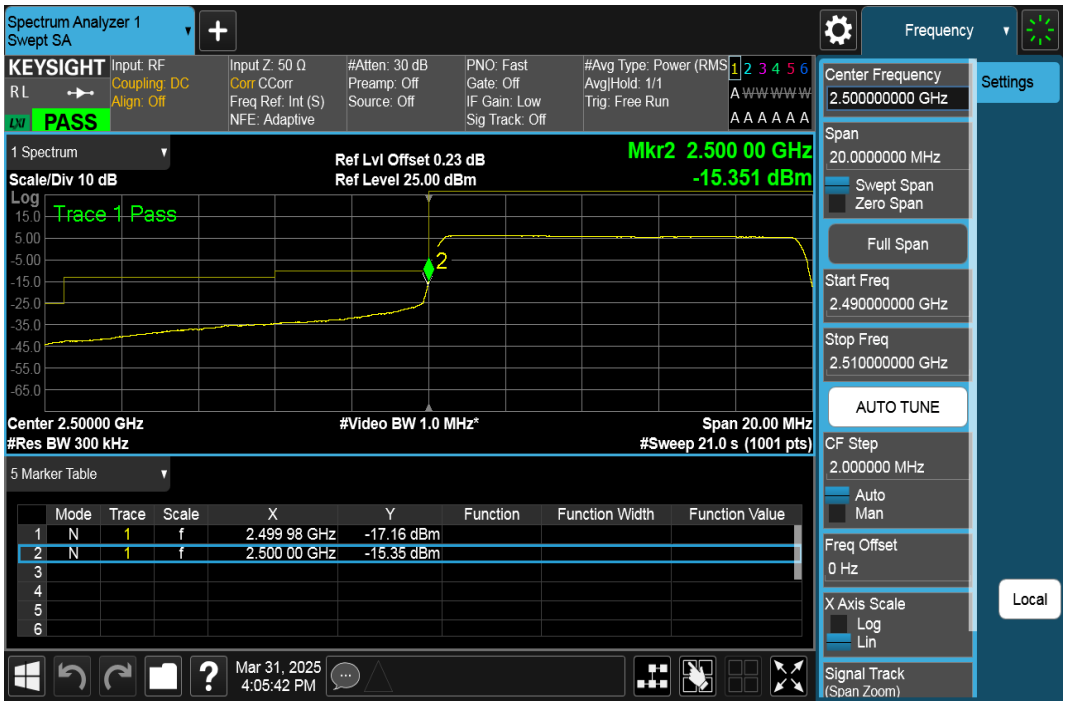

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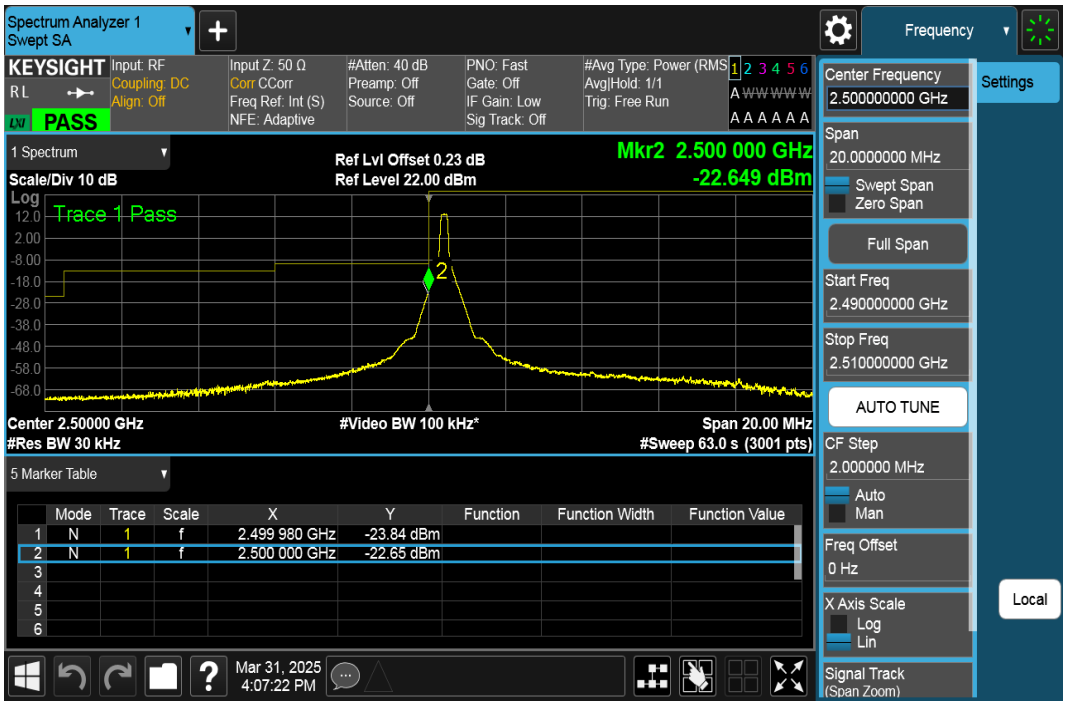

N7-10M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

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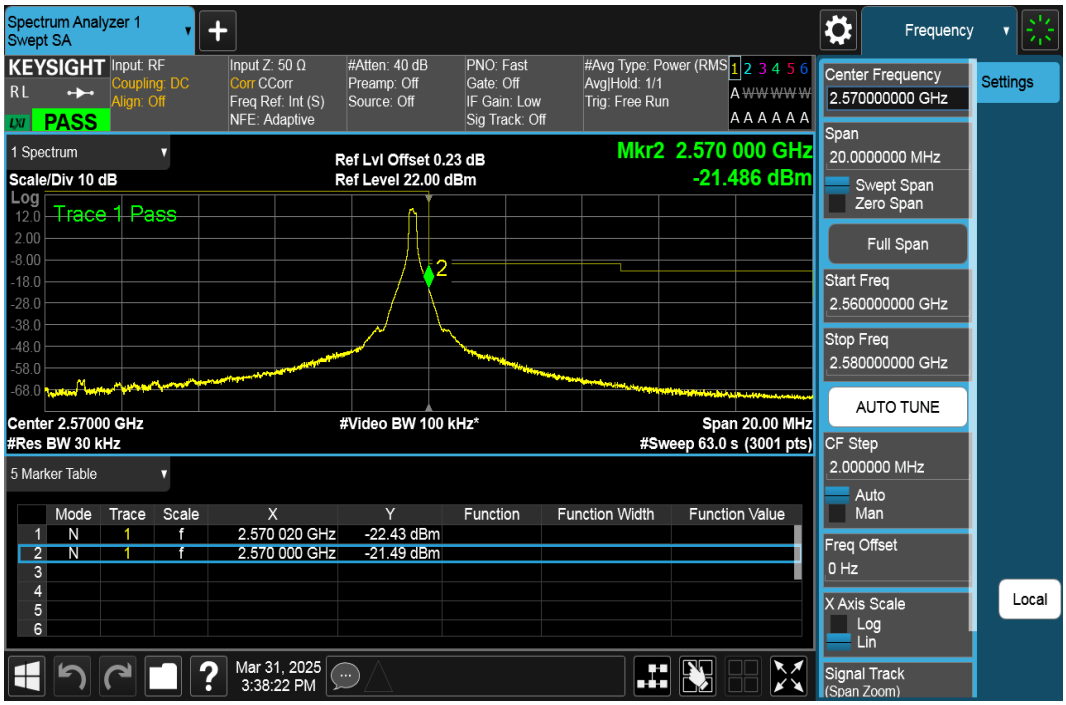

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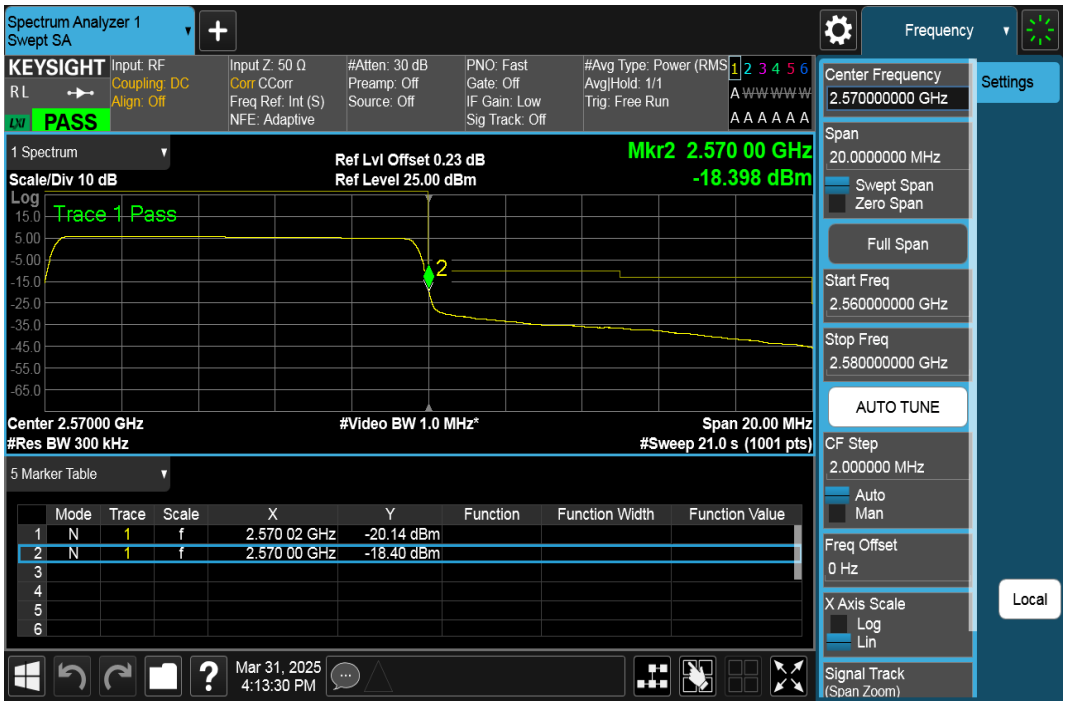

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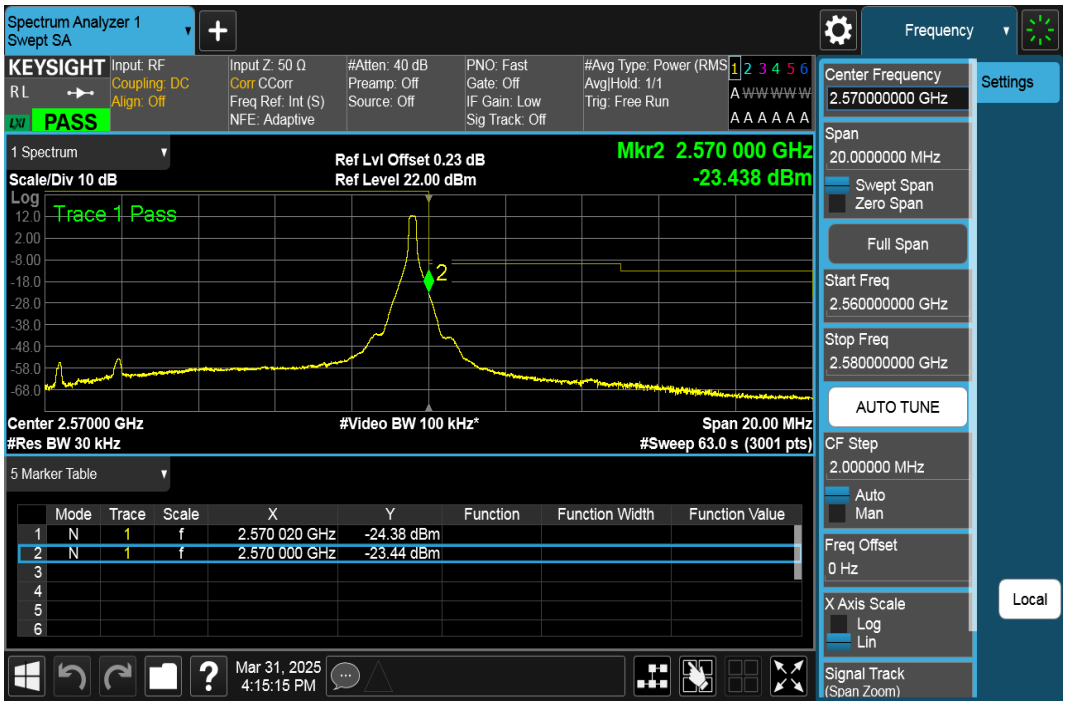

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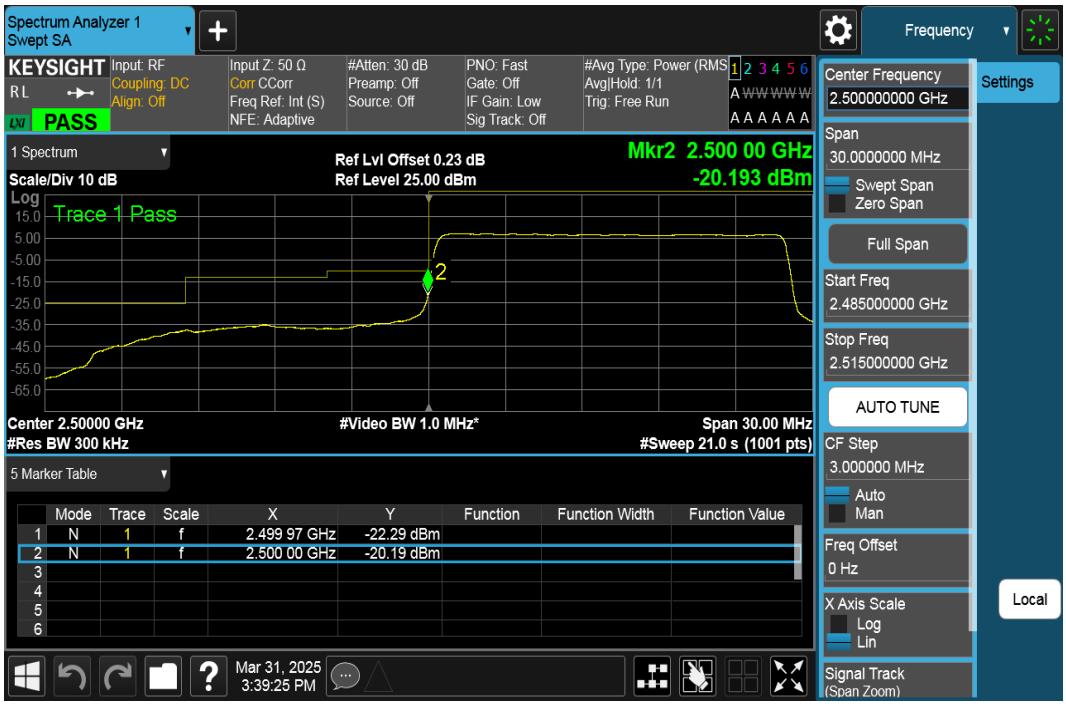

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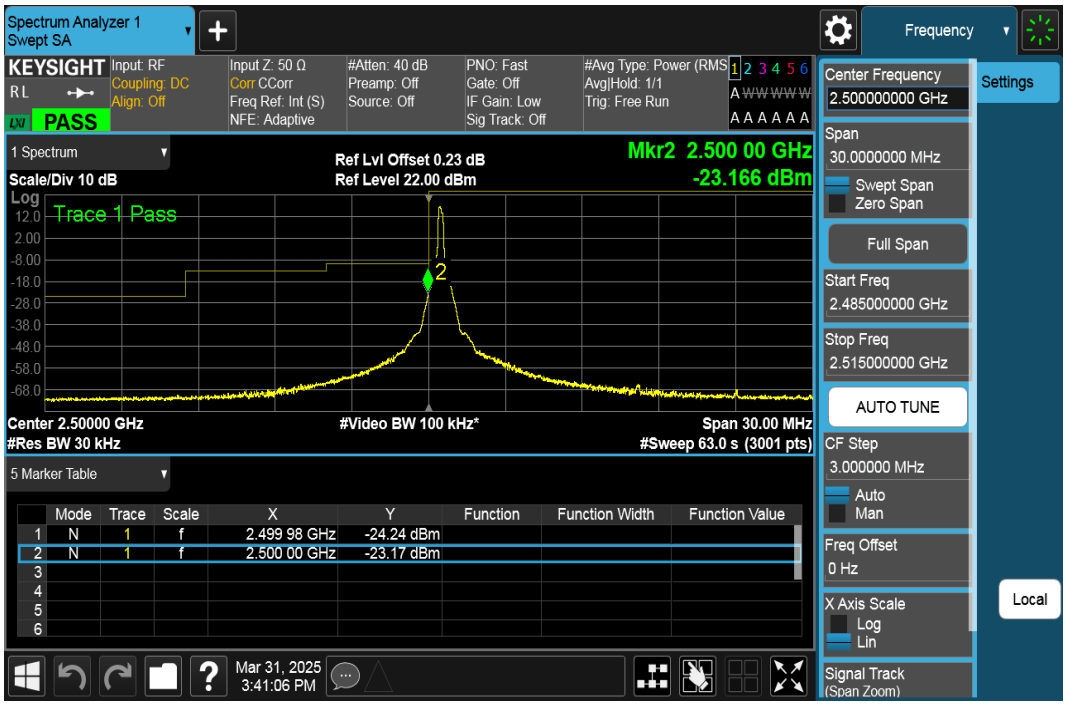

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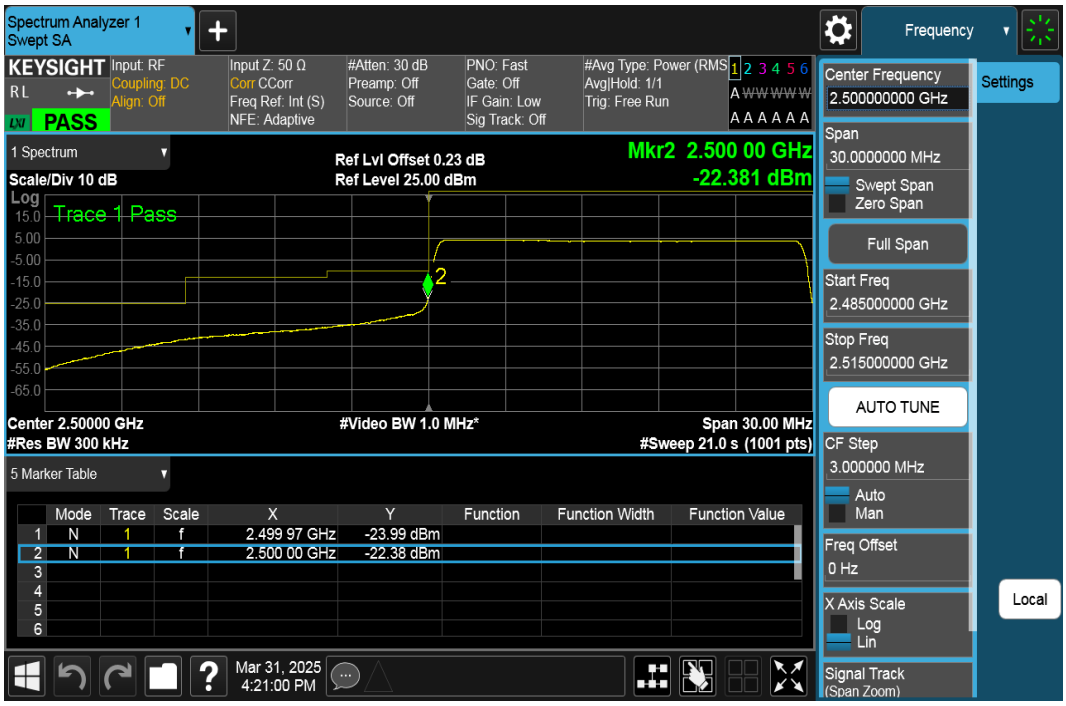

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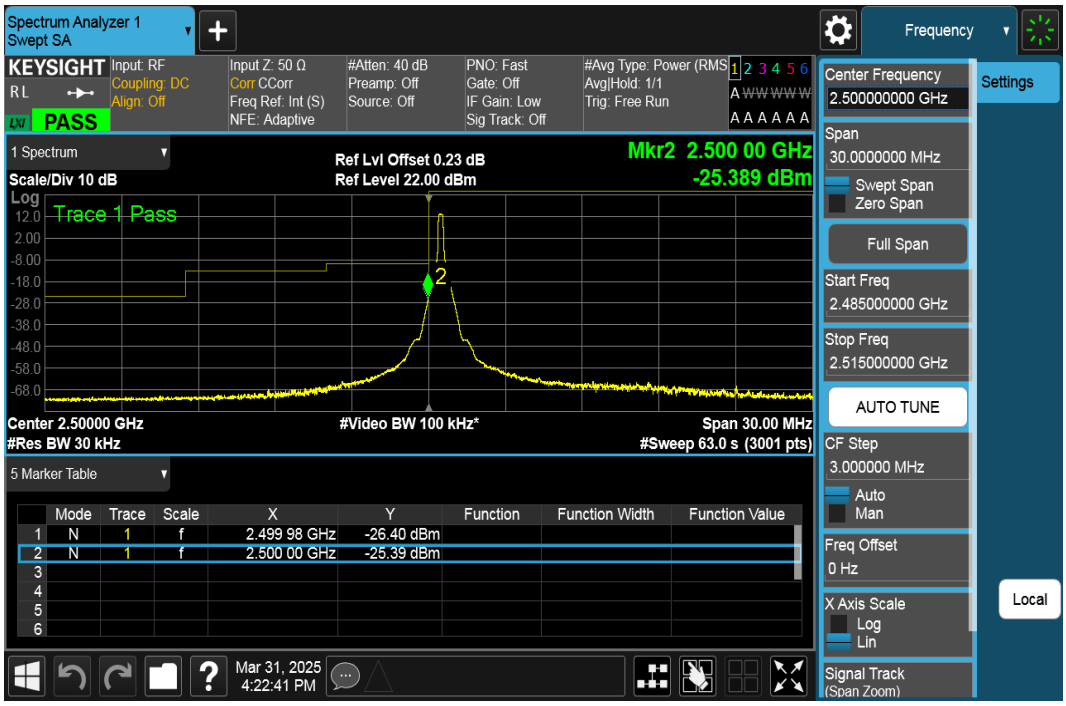
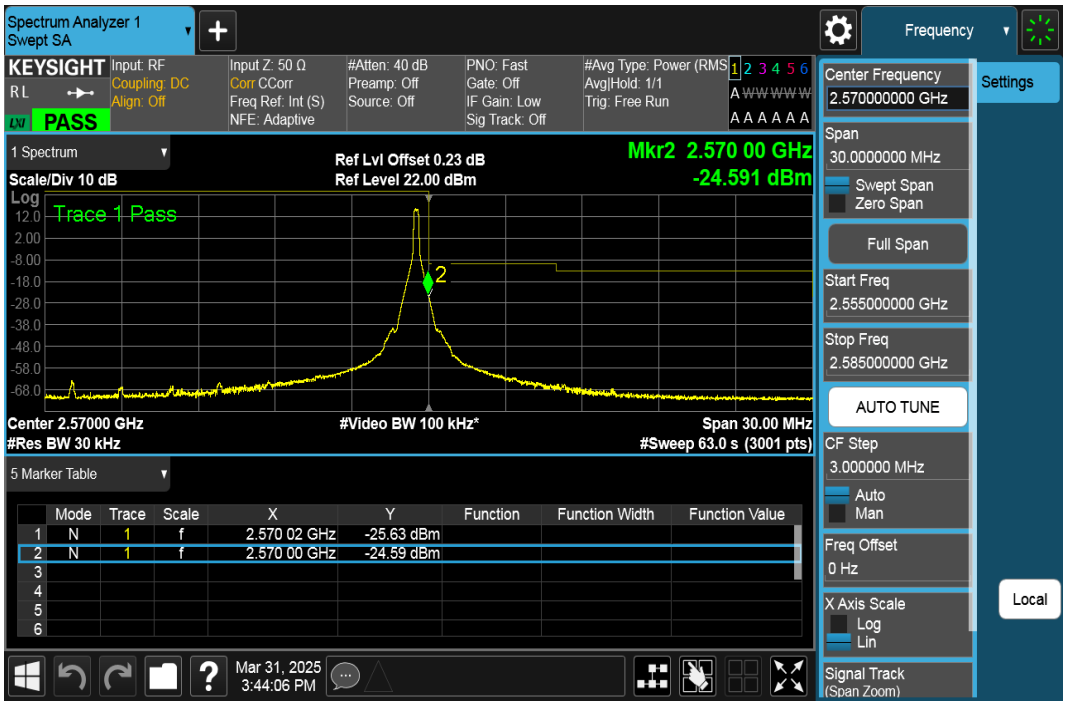


N7-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N7-15M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



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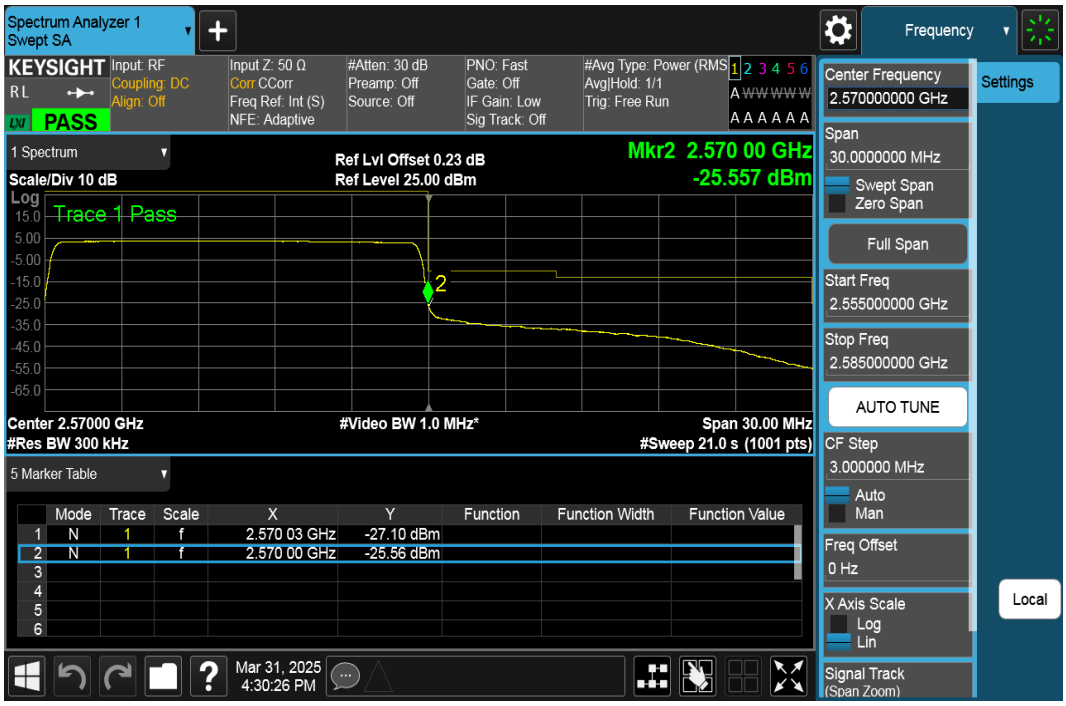

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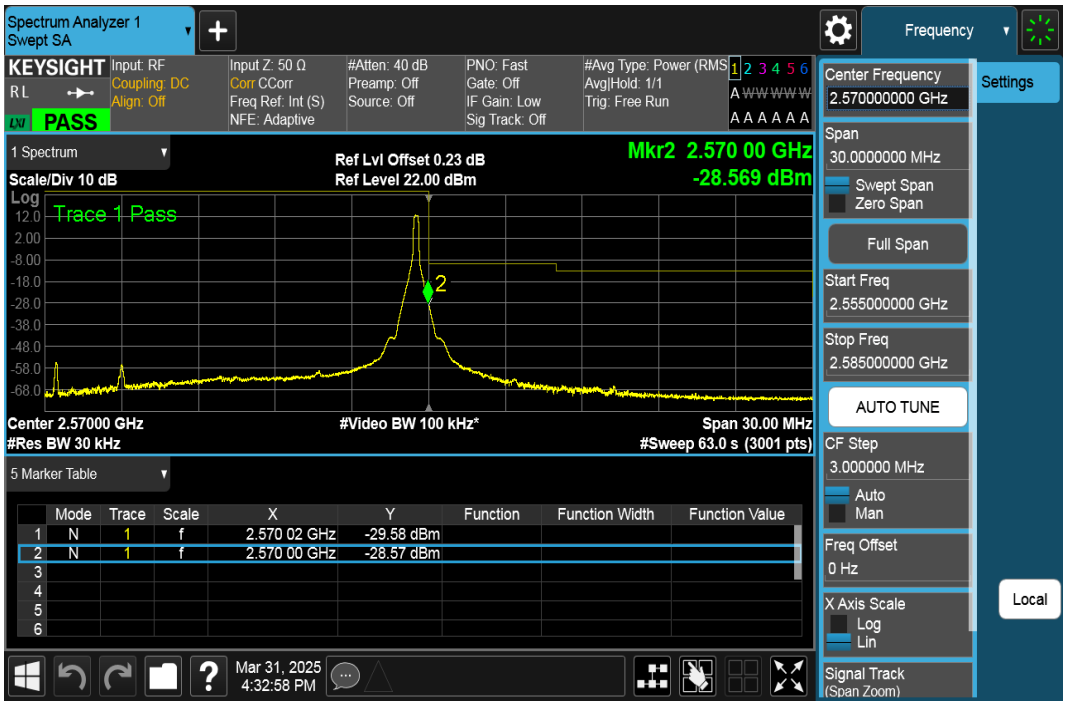

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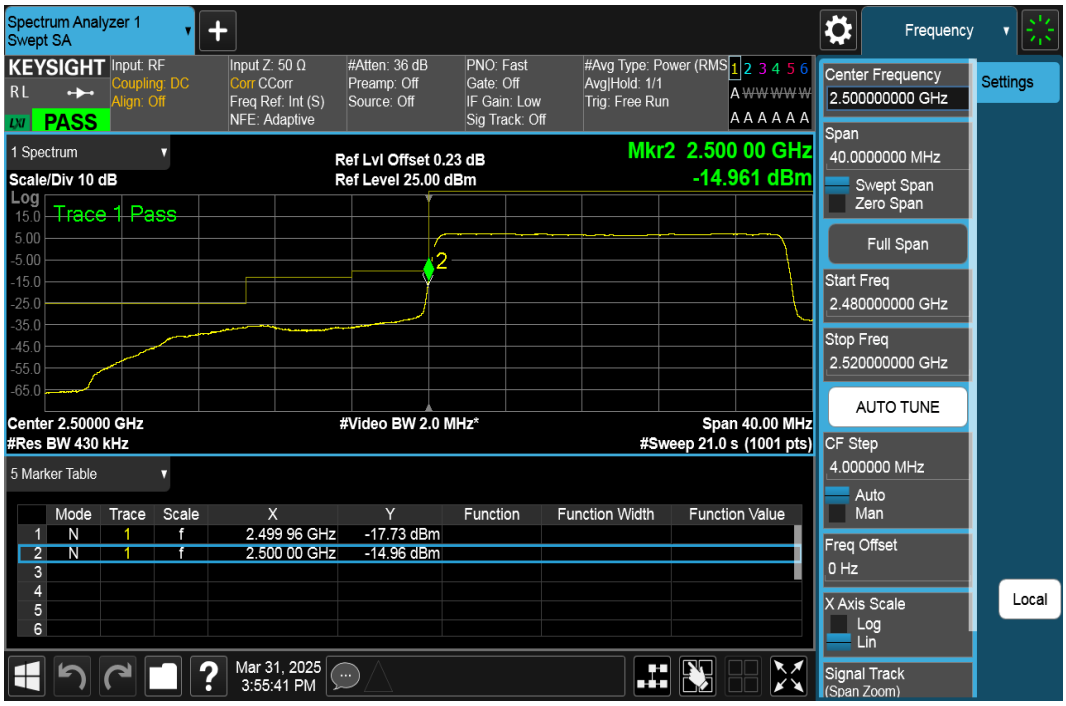

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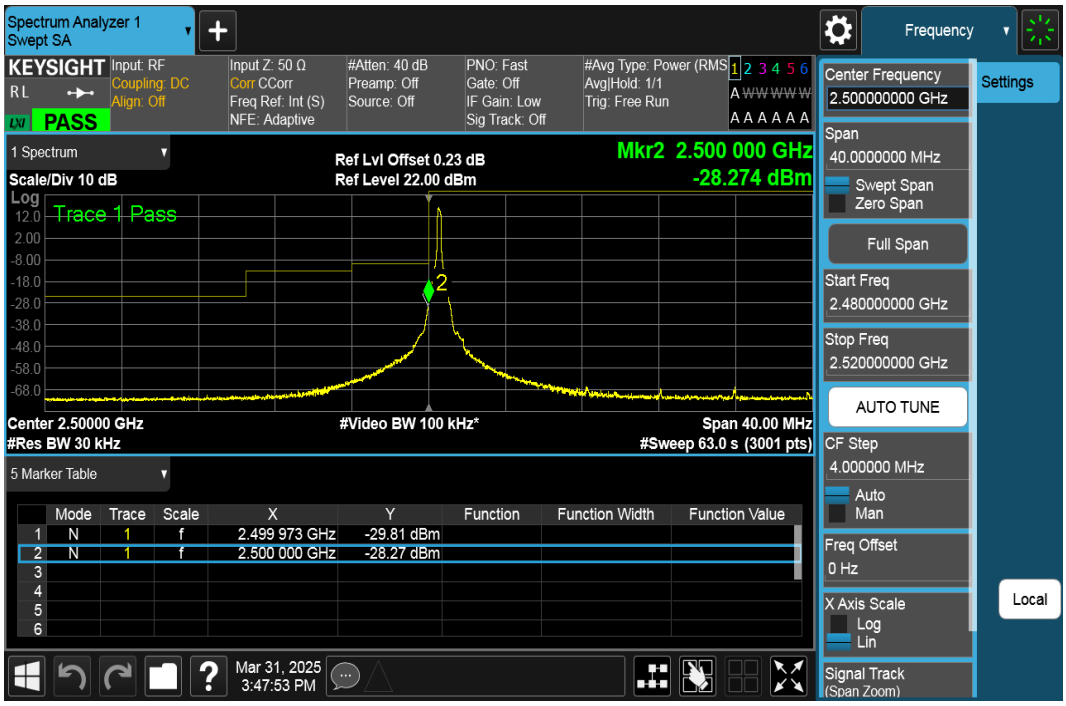

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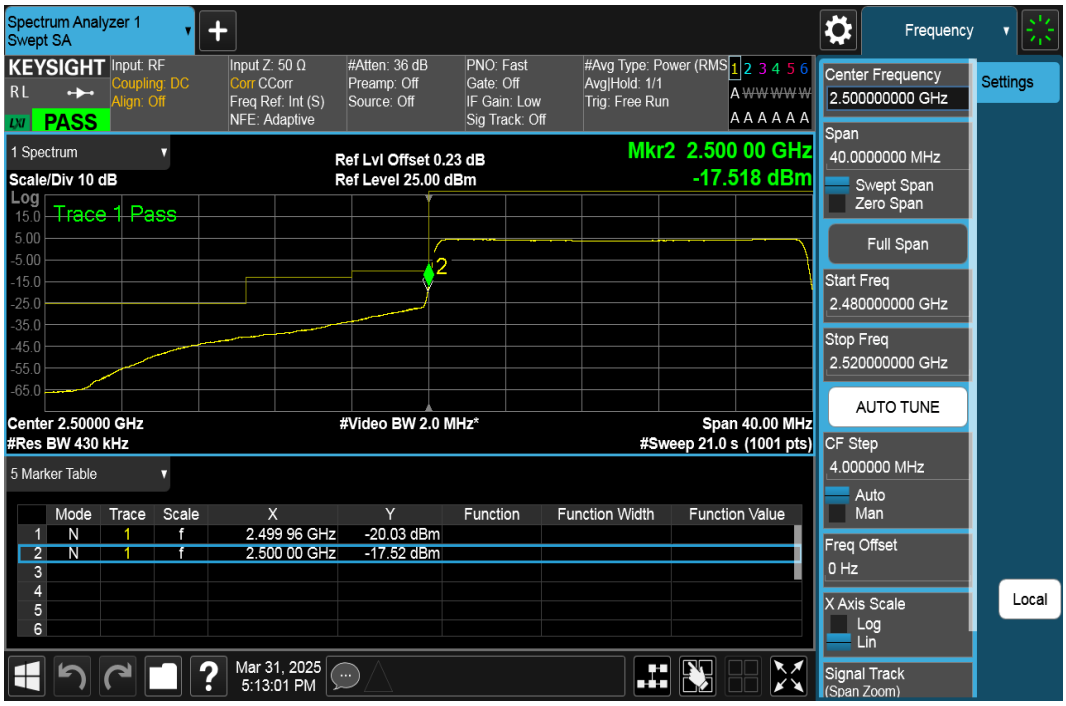
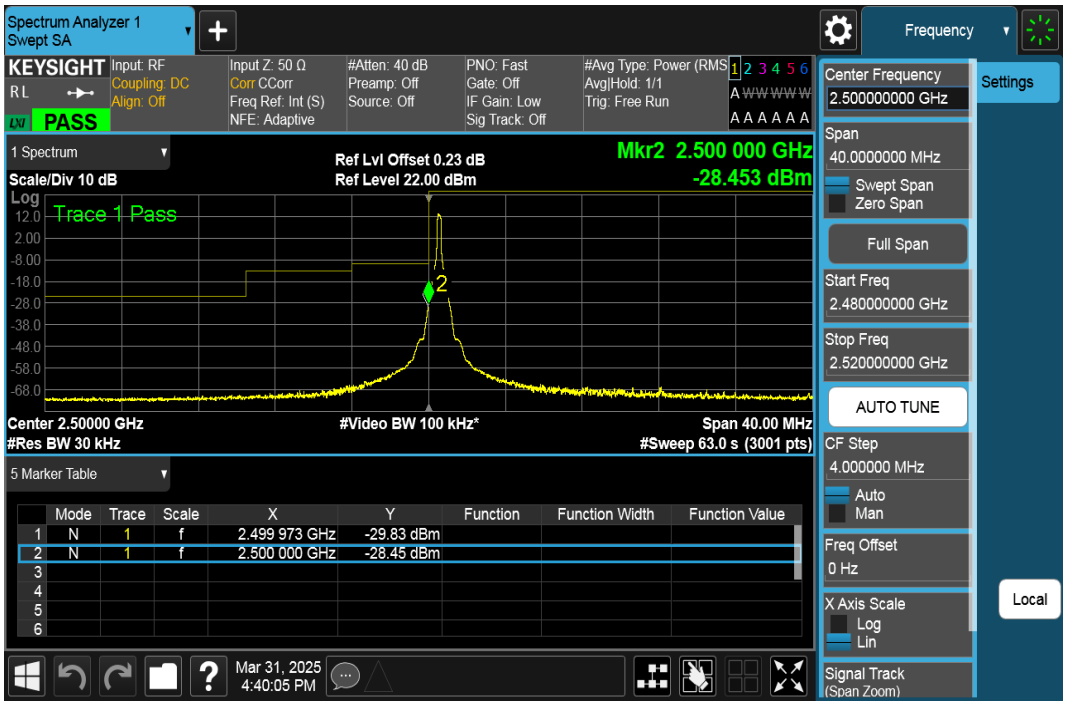
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