

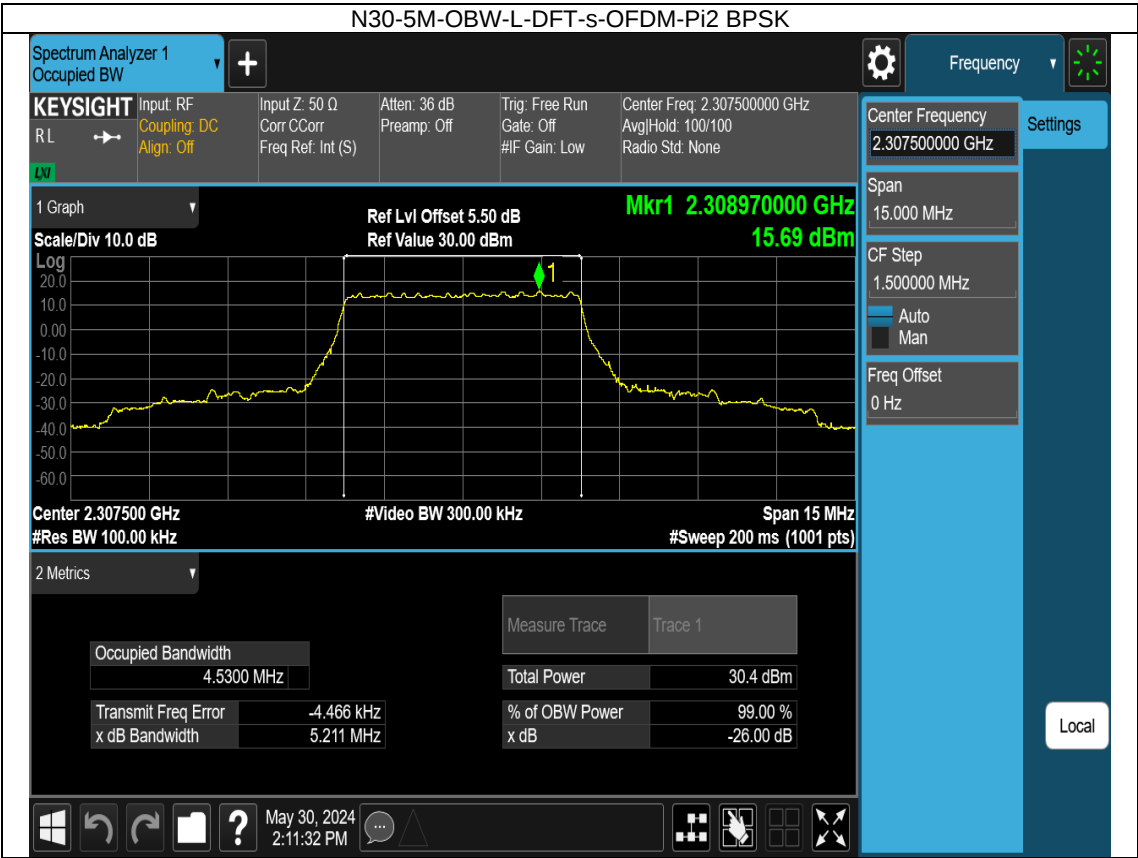
99% & 26dB Bandwidth

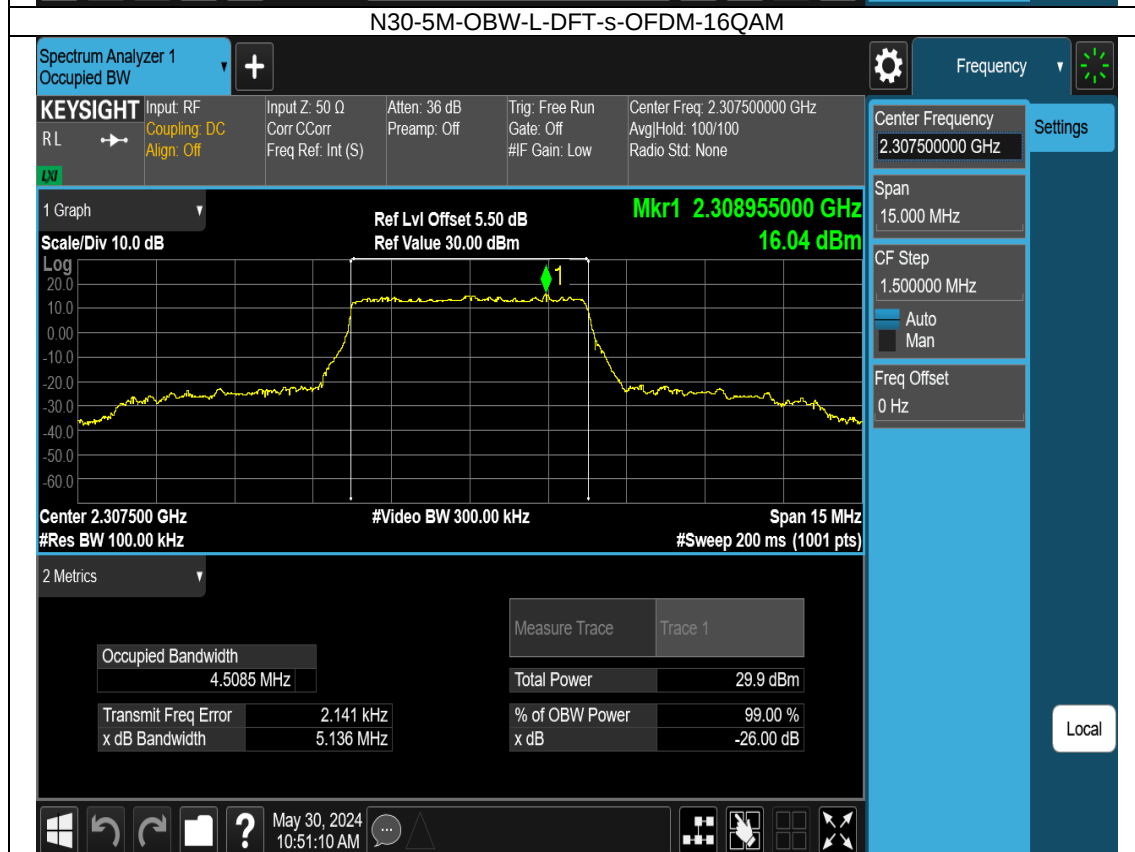
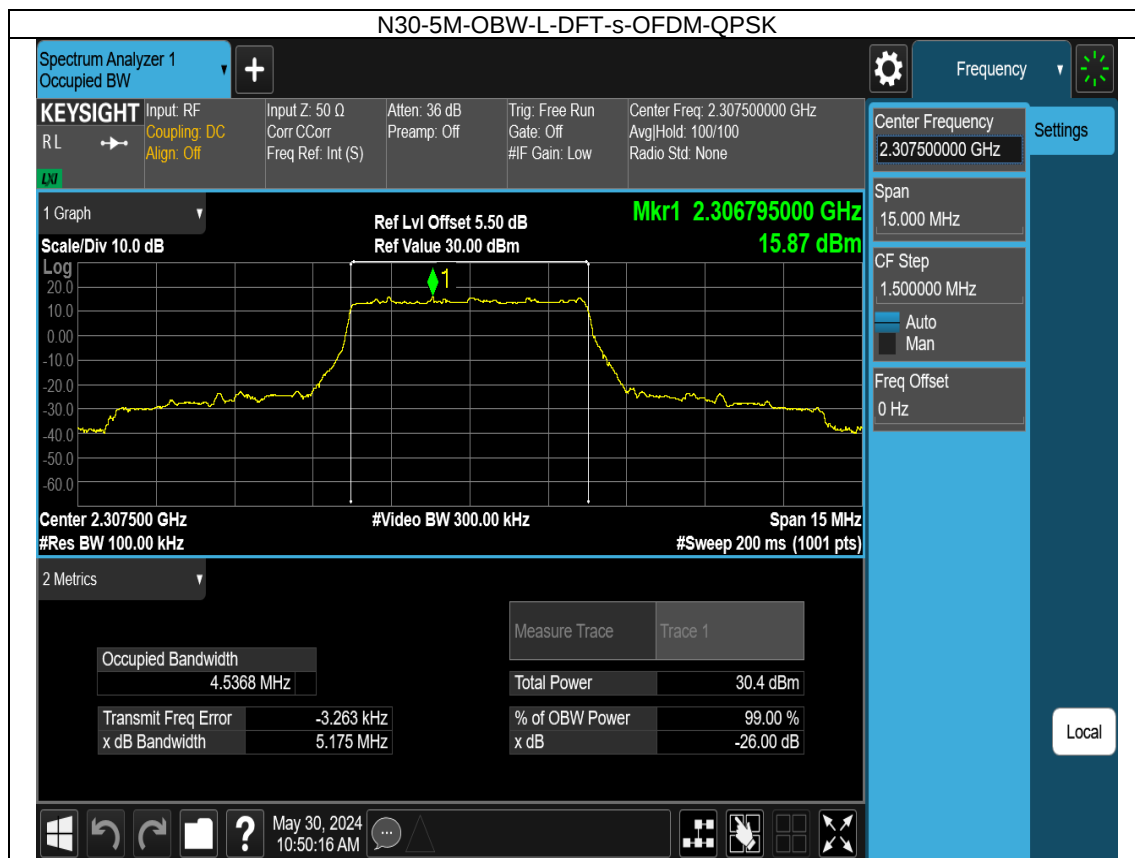
Test Result

5G NR n30 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.530	5.211	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.537	5.175	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.509	5.136	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.485	5.122	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.526	5.272	/	Pass
CP-OFDM QPSK		Outer_Full	4.535	5.319	/	Pass
CP-OFDM 16QAM		Outer_Full	4.530	5.232	/	Pass
CP-OFDM 64QAM		Outer_Full	4.515	5.226	/	Pass
CP-OFDM 256QAM		Outer_Full	4.515	5.244	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.517	5.206	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.532	5.198	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.507	5.258	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.501	5.119	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.541	5.231	/	Pass
CP-OFDM QPSK		Outer_Full	4.539	5.330	/	Pass
CP-OFDM 16QAM		Outer_Full	4.505	5.207	/	Pass
CP-OFDM 64QAM		Outer_Full	4.502	5.266	/	Pass
CP-OFDM 256QAM		Outer_Full	4.505	5.252	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.506	5.170	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.556	5.324	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.508	5.201	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.504	5.106	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.510	5.061	/	Pass
CP-OFDM QPSK		Outer_Full	4.523	5.317	/	Pass
CP-OFDM 16QAM		Outer_Full	4.498	5.139	/	Pass
CP-OFDM 64QAM		Outer_Full	4.494	5.166	/	Pass
CP-OFDM 256QAM		Outer_Full	4.509	5.246	/	Pass

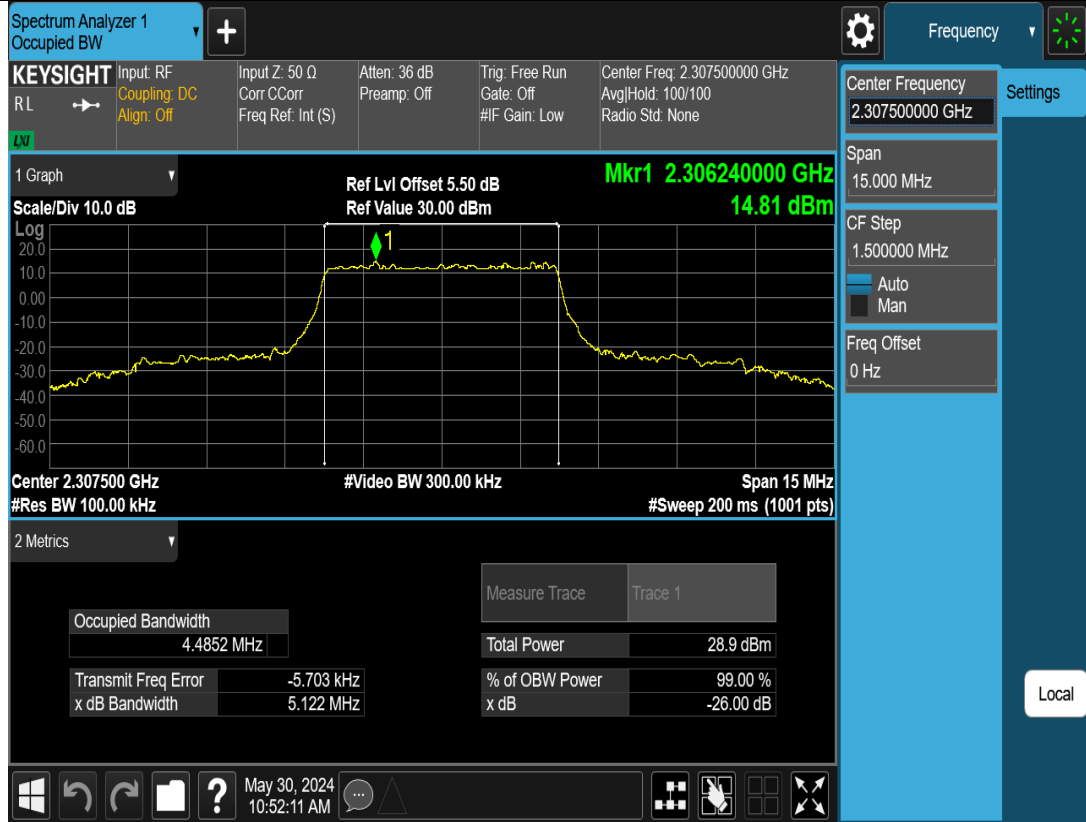
5G NR n30 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.934	9.654	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.963	9.883	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.939	9.831	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.962	9.744	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.945	9.761	/	Pass
CP-OFDM QPSK		Outer_Full	9.302	10.28	/	Pass
CP-OFDM 16QAM		Outer_Full	9.314	10.05	/	Pass
CP-OFDM 64QAM		Outer_Full	9.311	10.17	/	Pass
CP-OFDM 256QAM		Outer_Full	9.290	10.28	/	Pass

Test graph

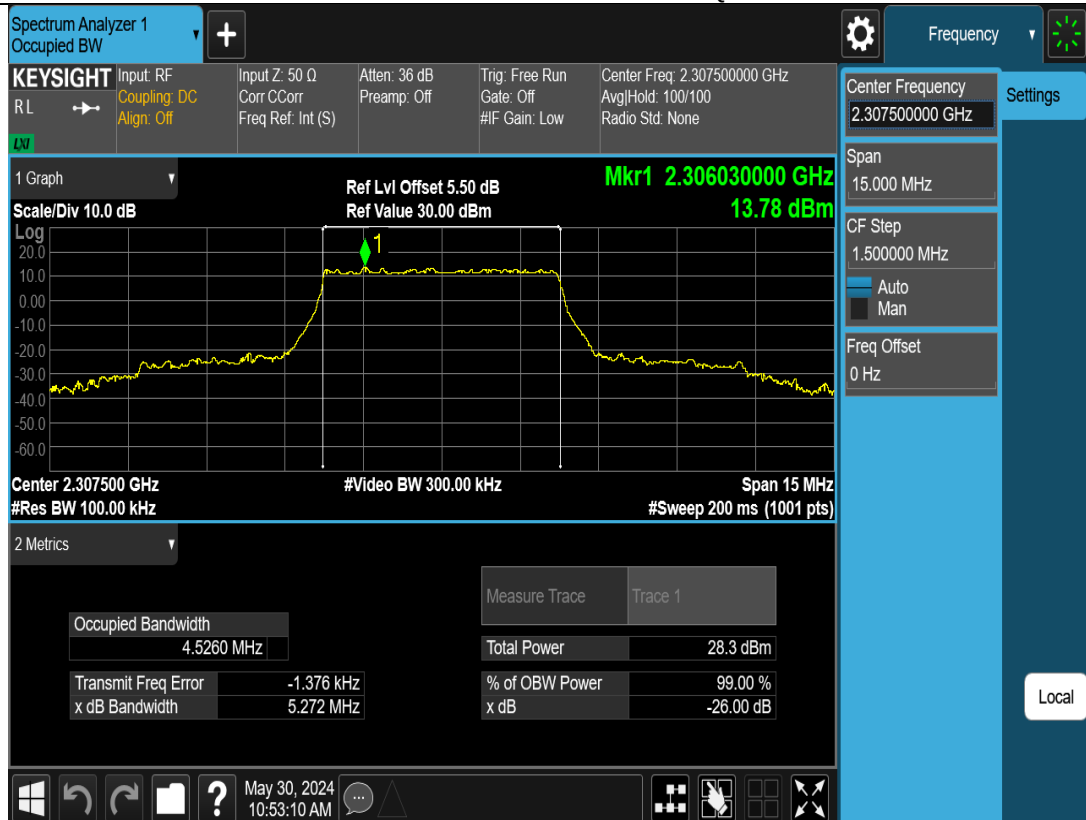


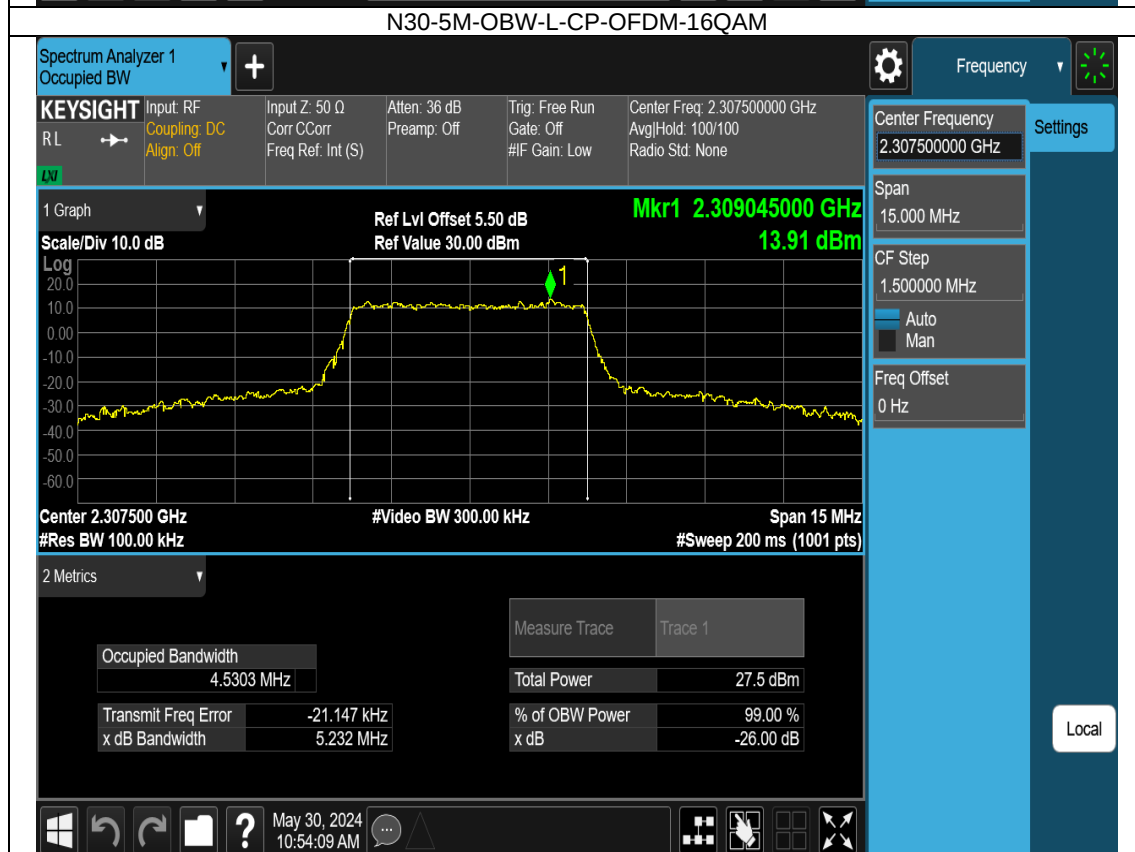
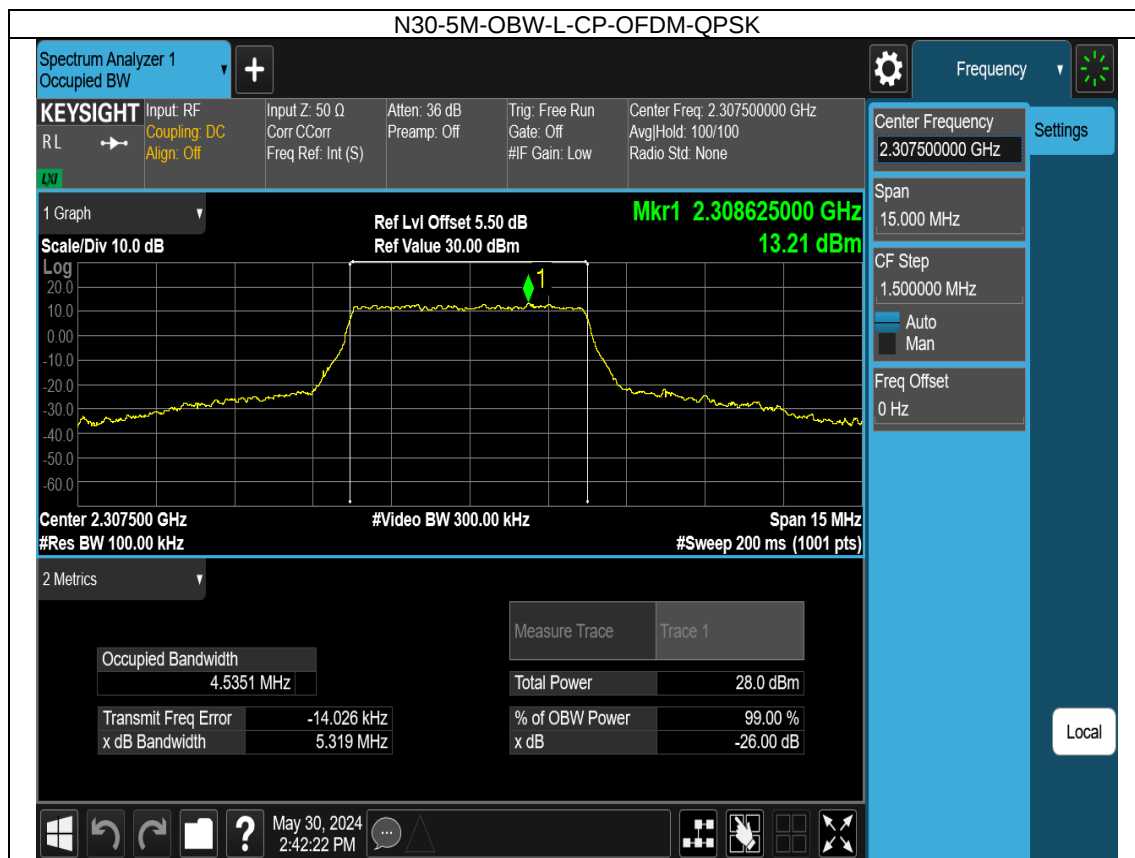


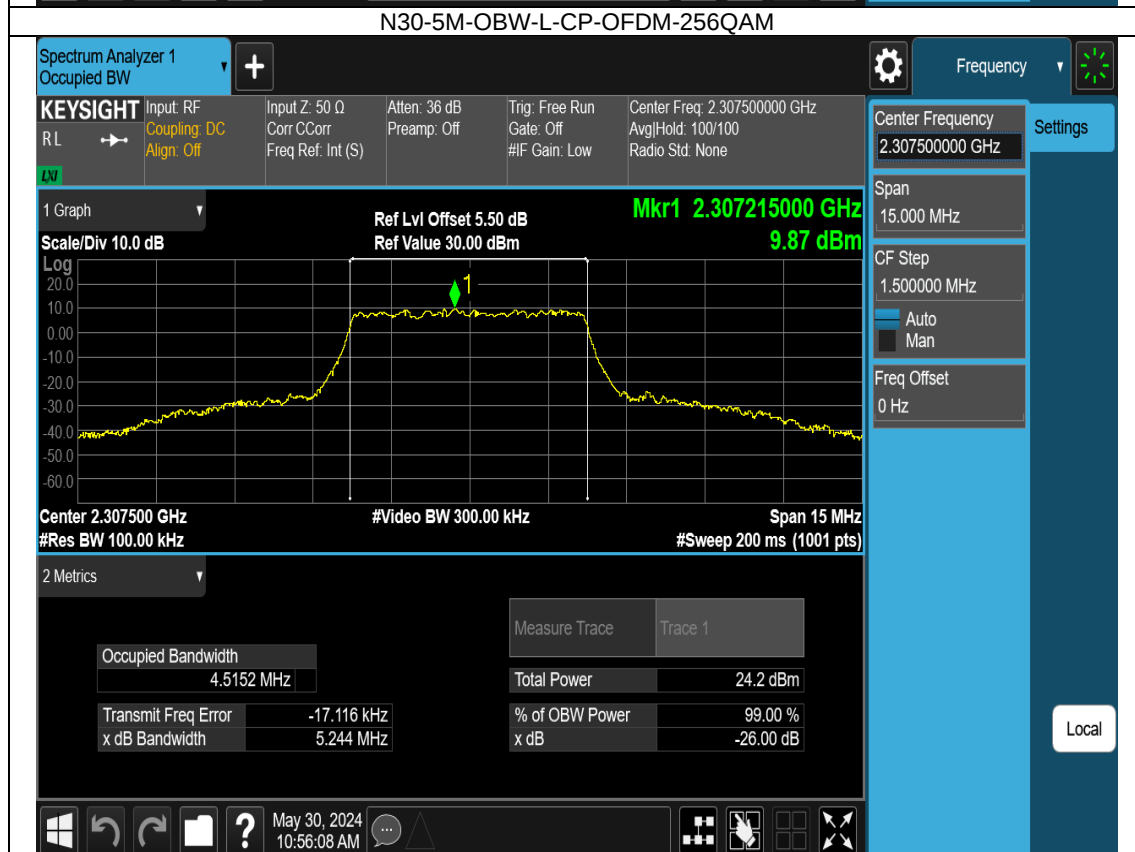
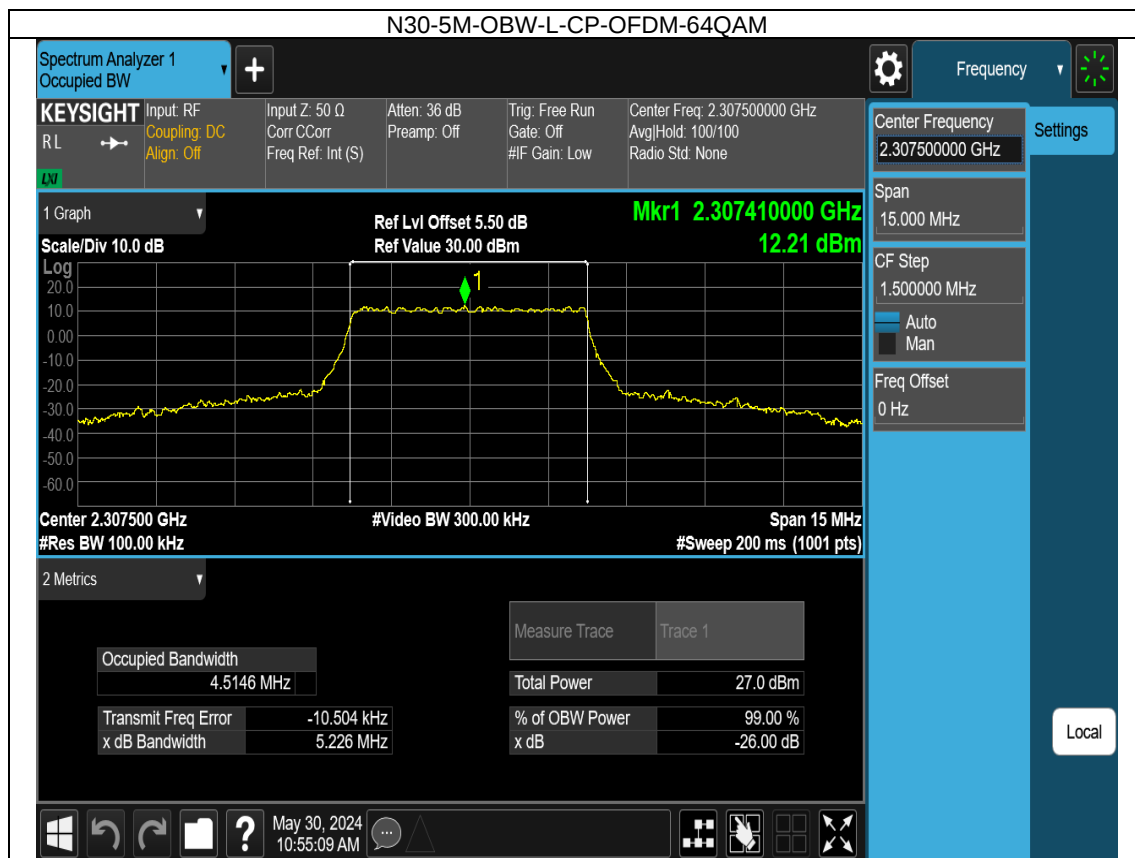
N30-5M-OBW-L-DFT-s-OFDM-64QAM

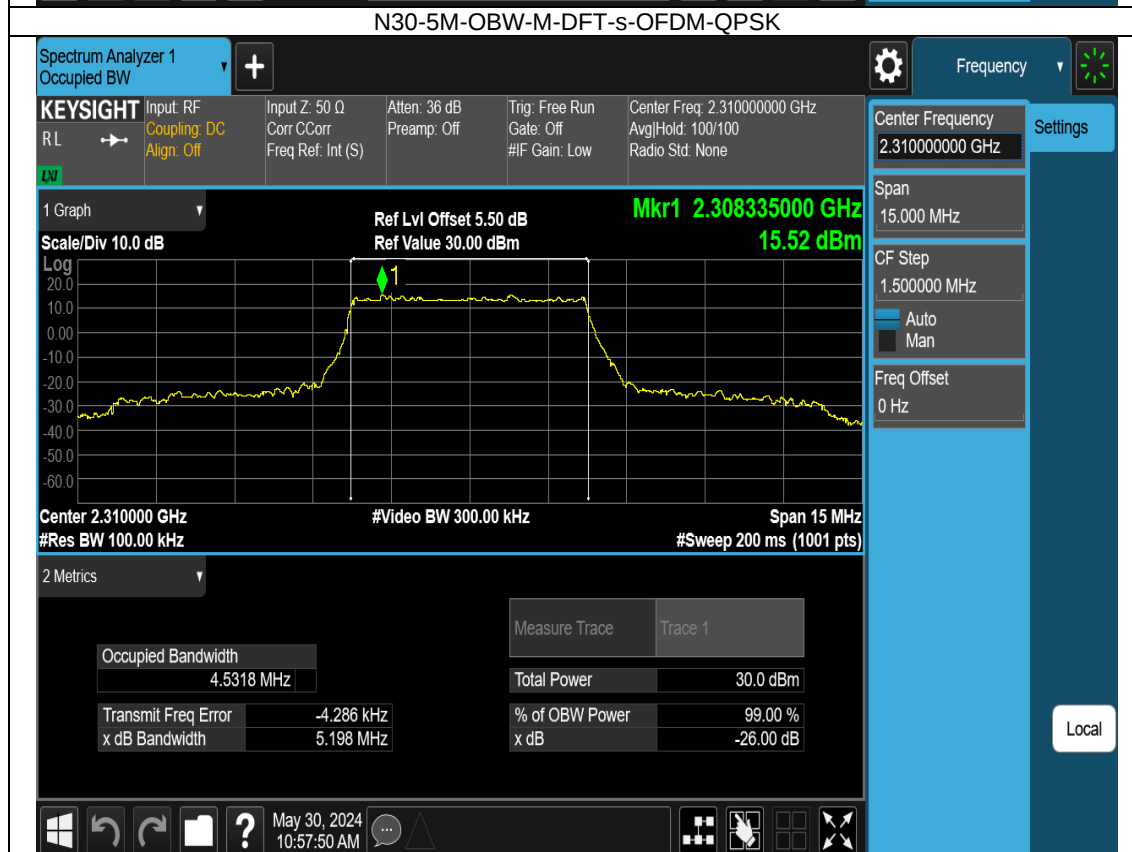
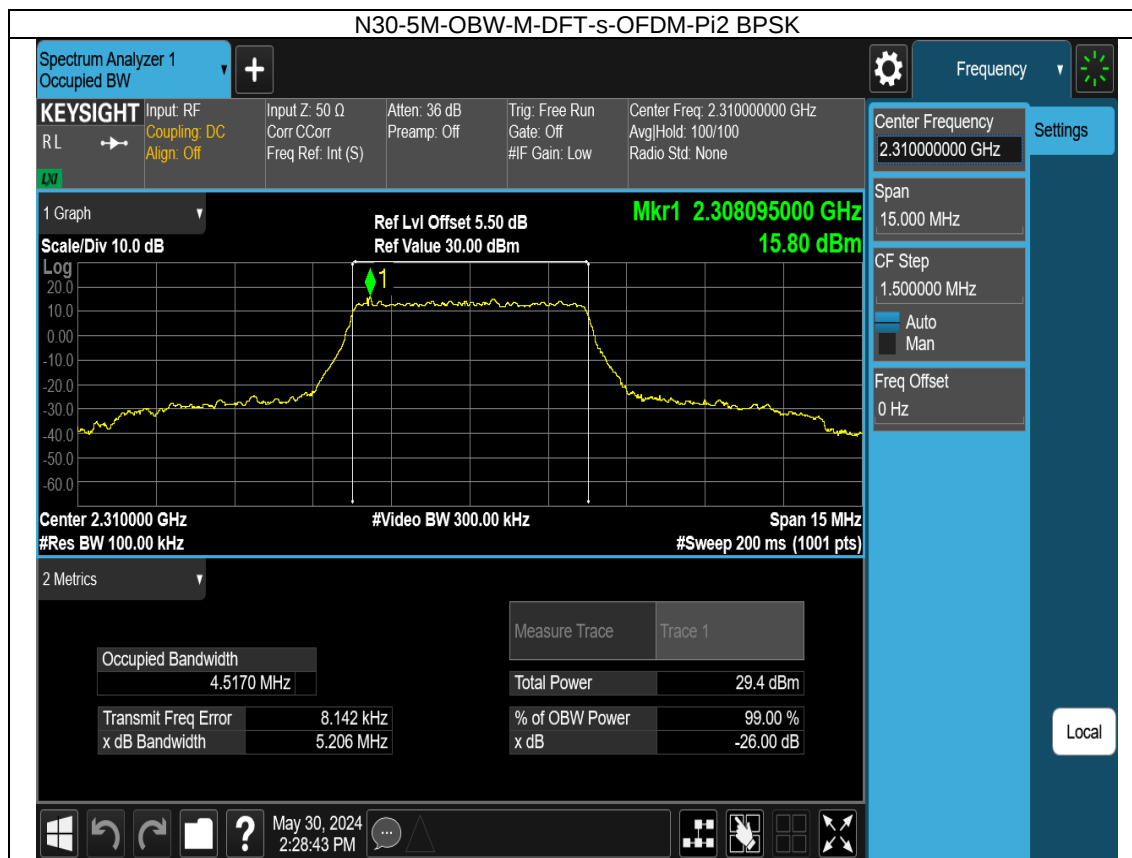


N30-5M-OBW-L-DFT-s-OFDM-256QAM

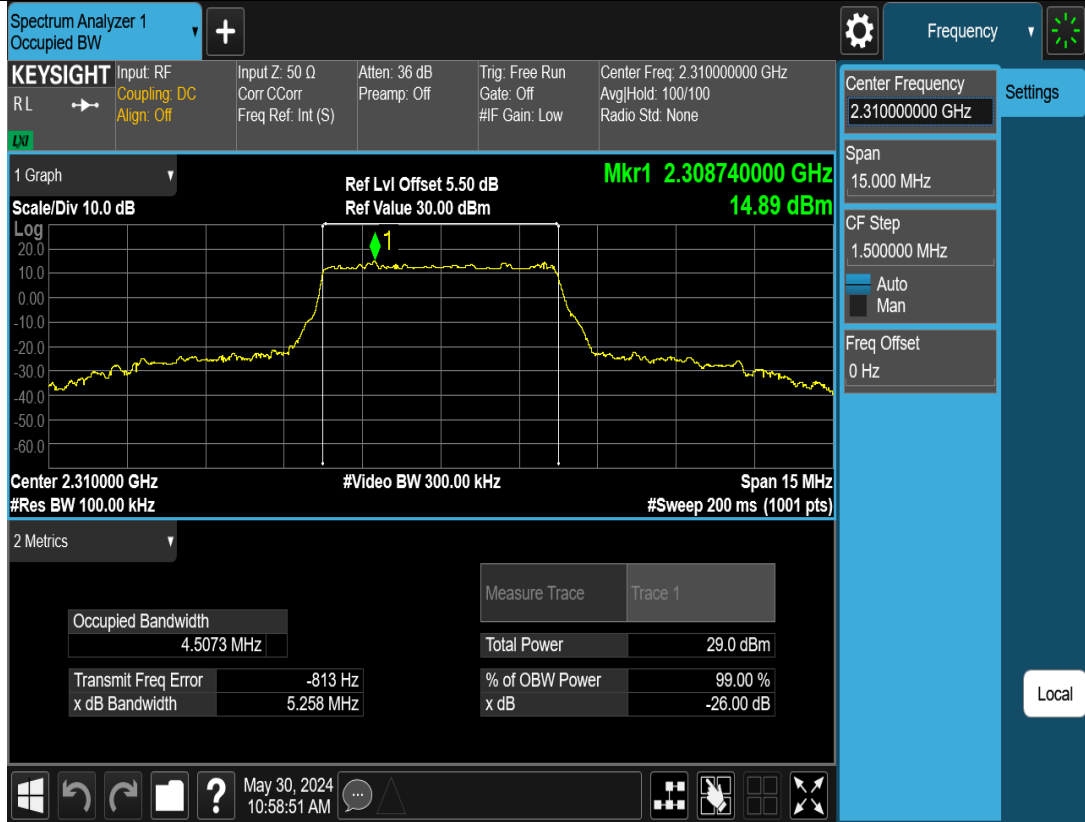




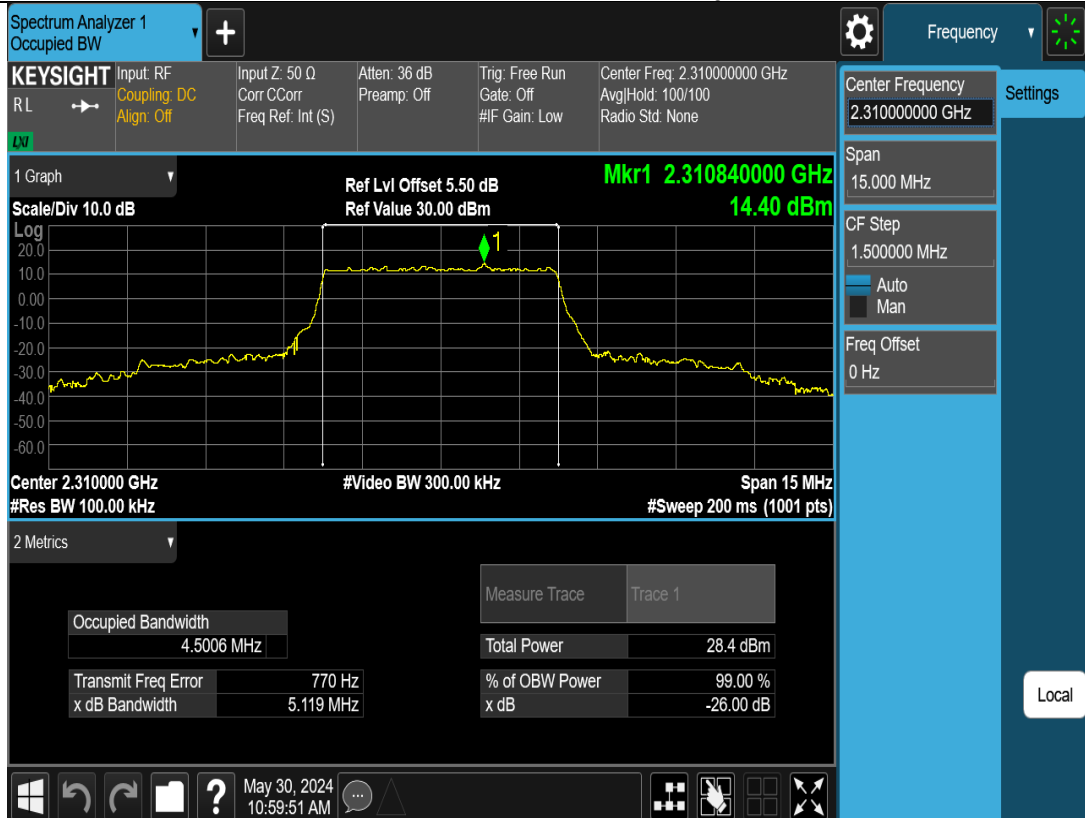


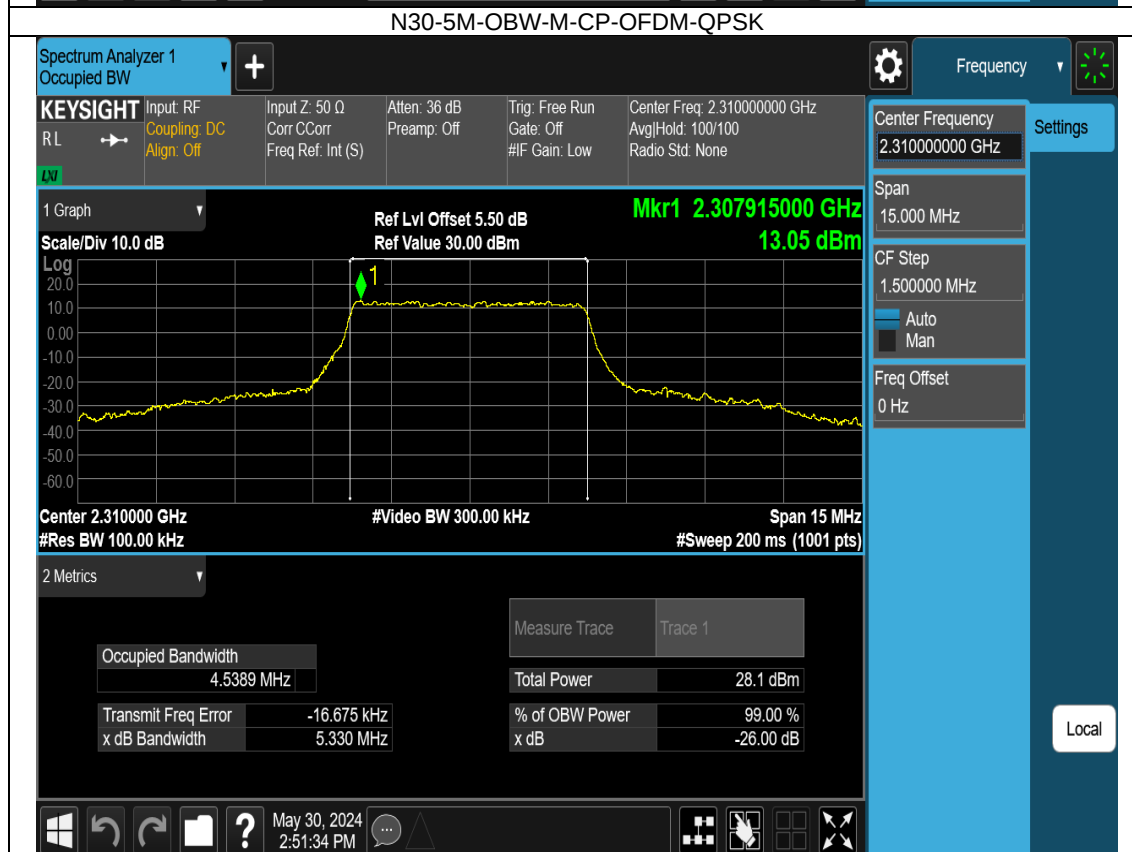
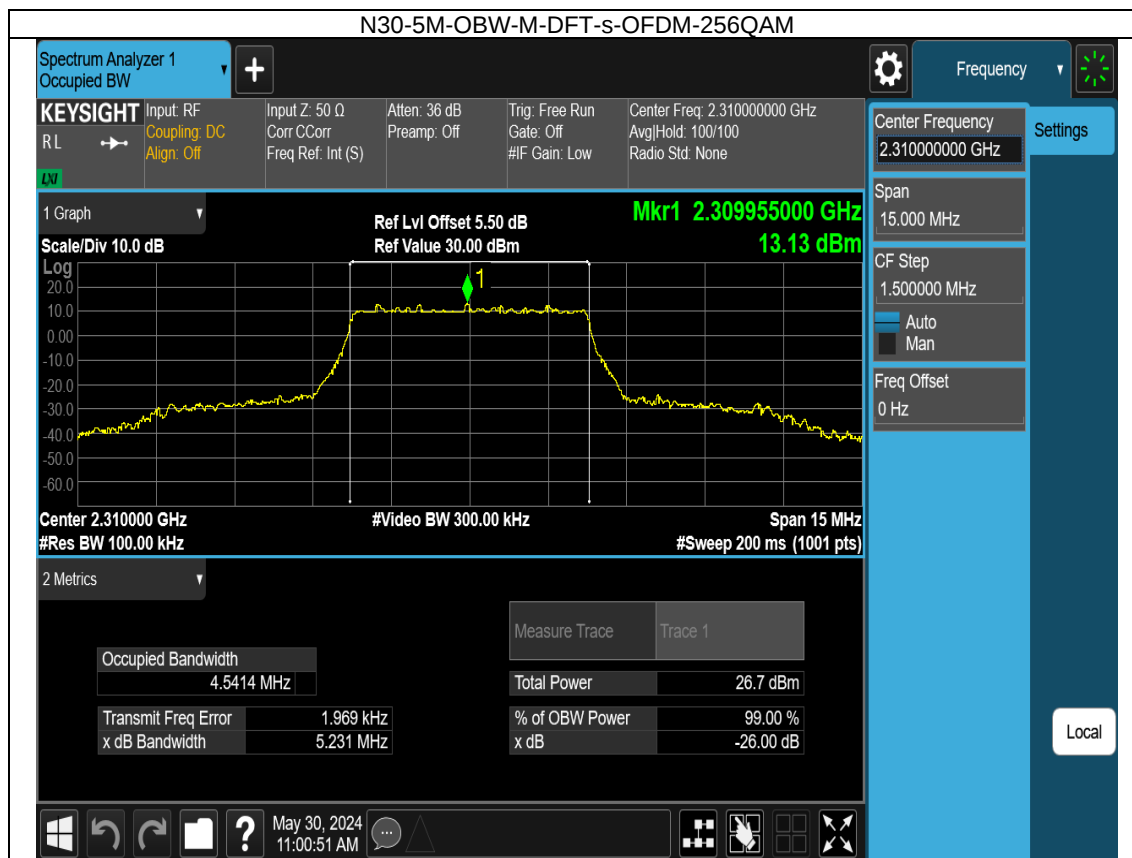


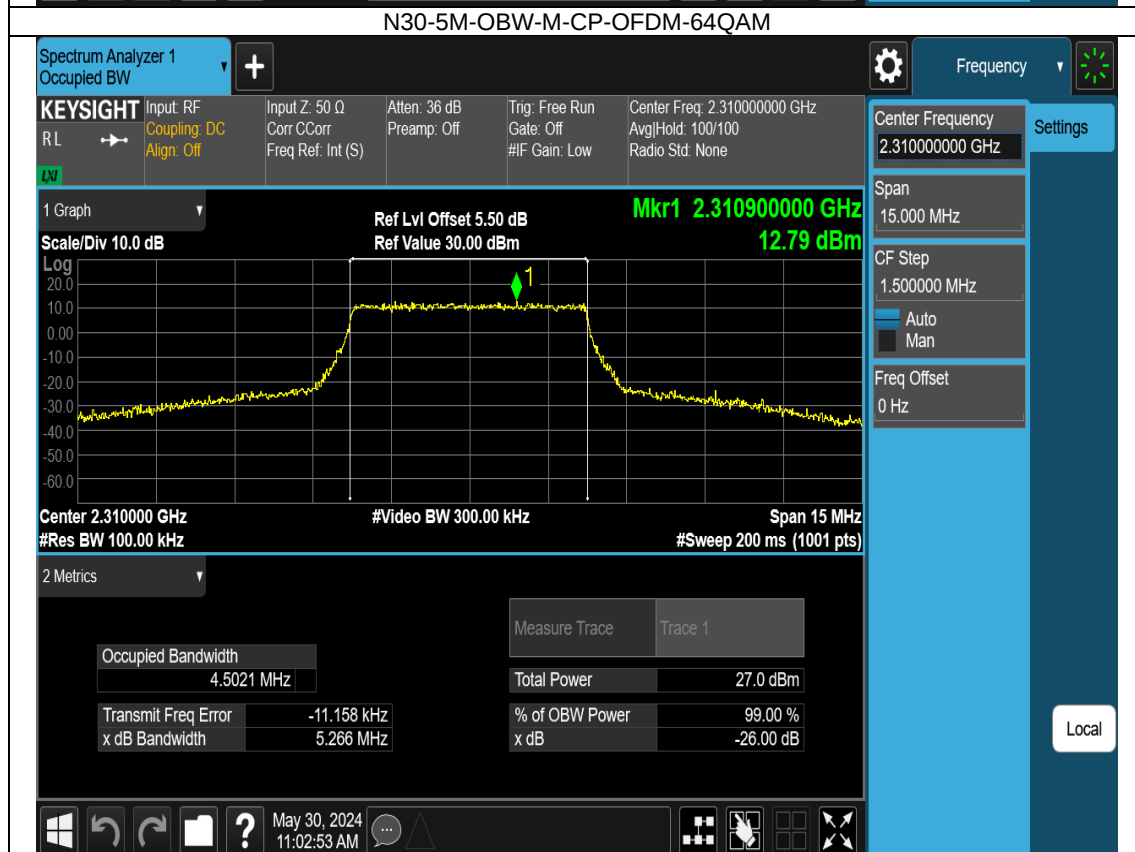
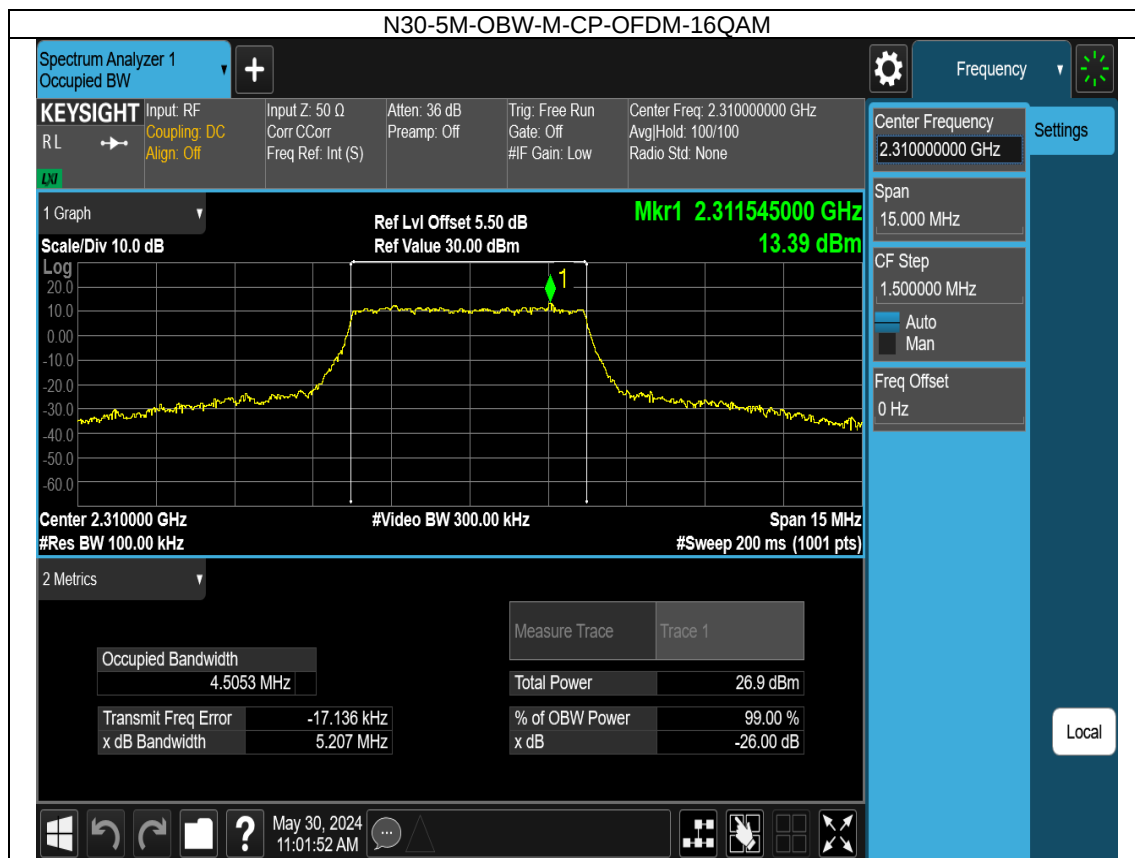
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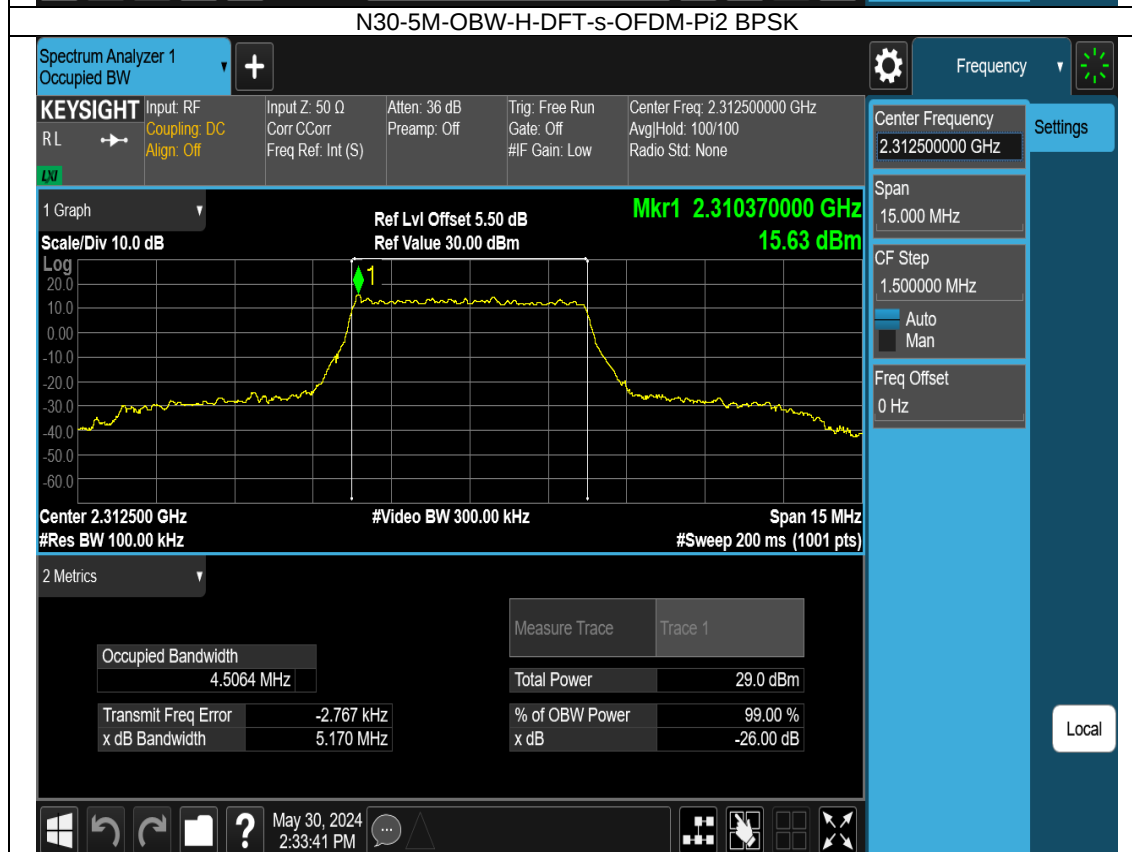
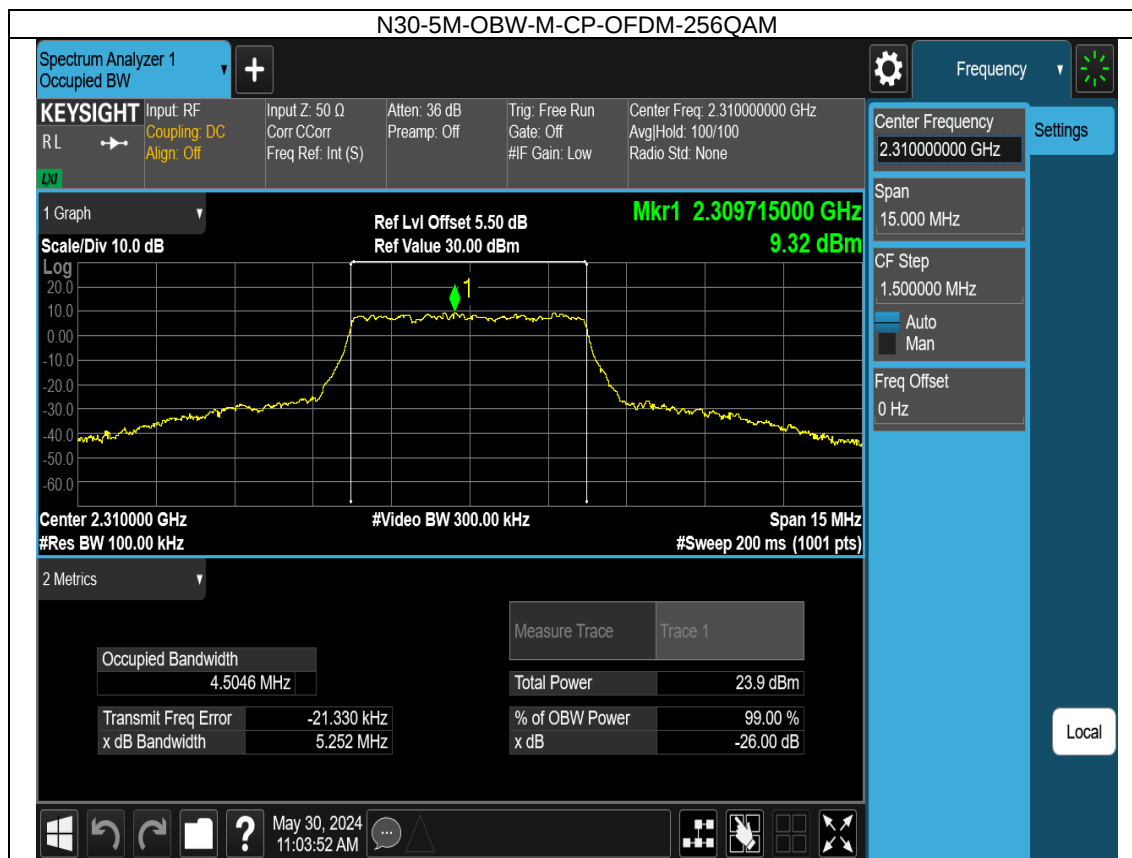


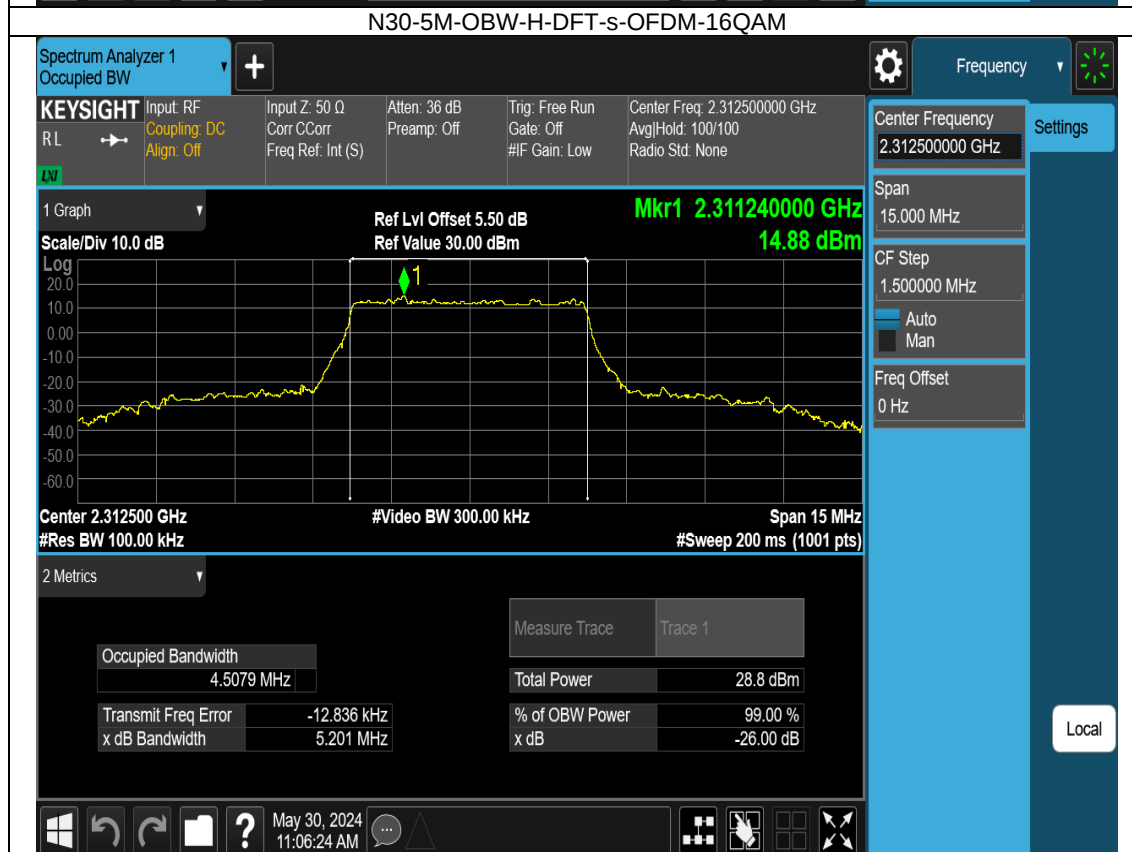
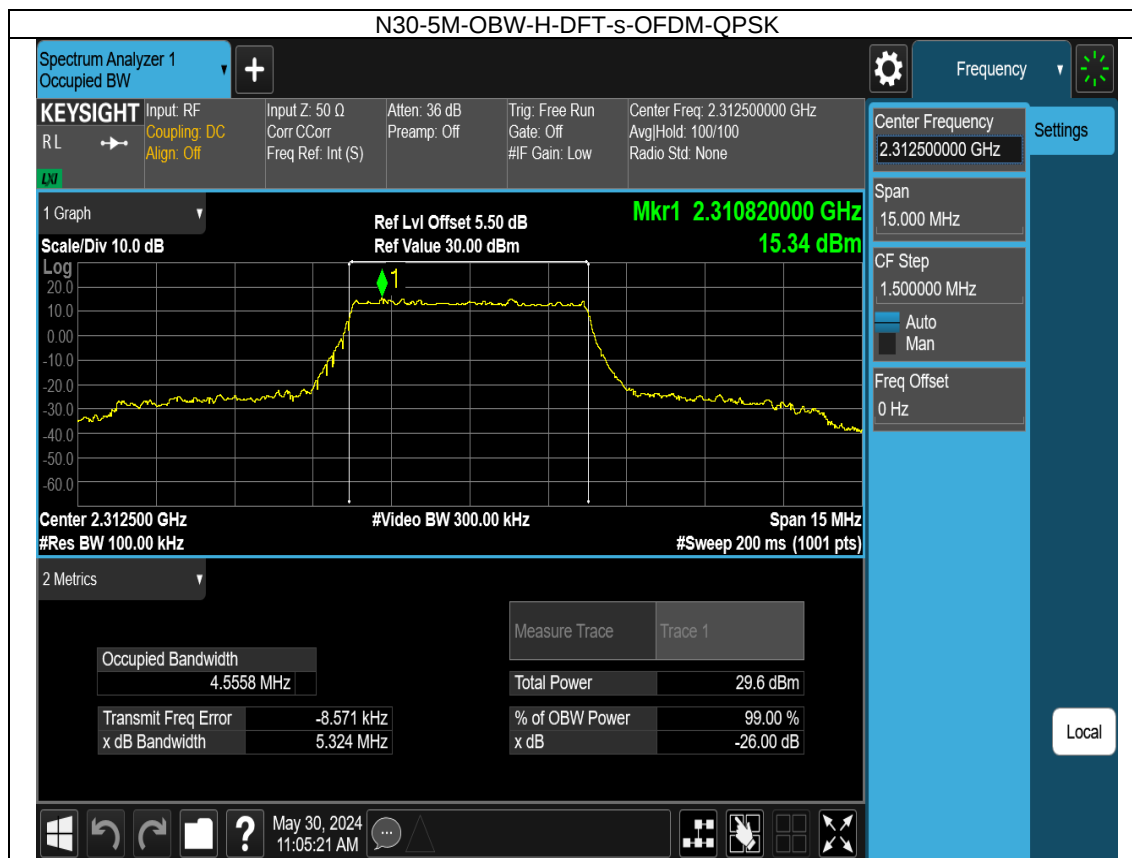
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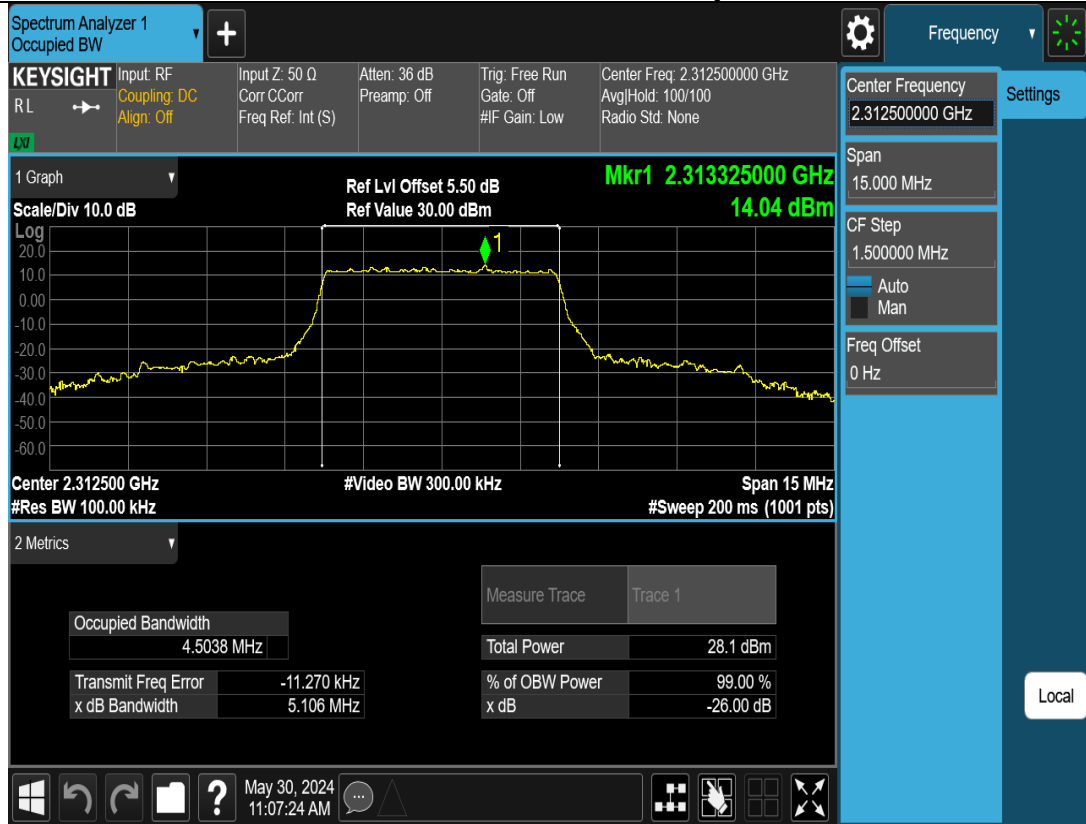




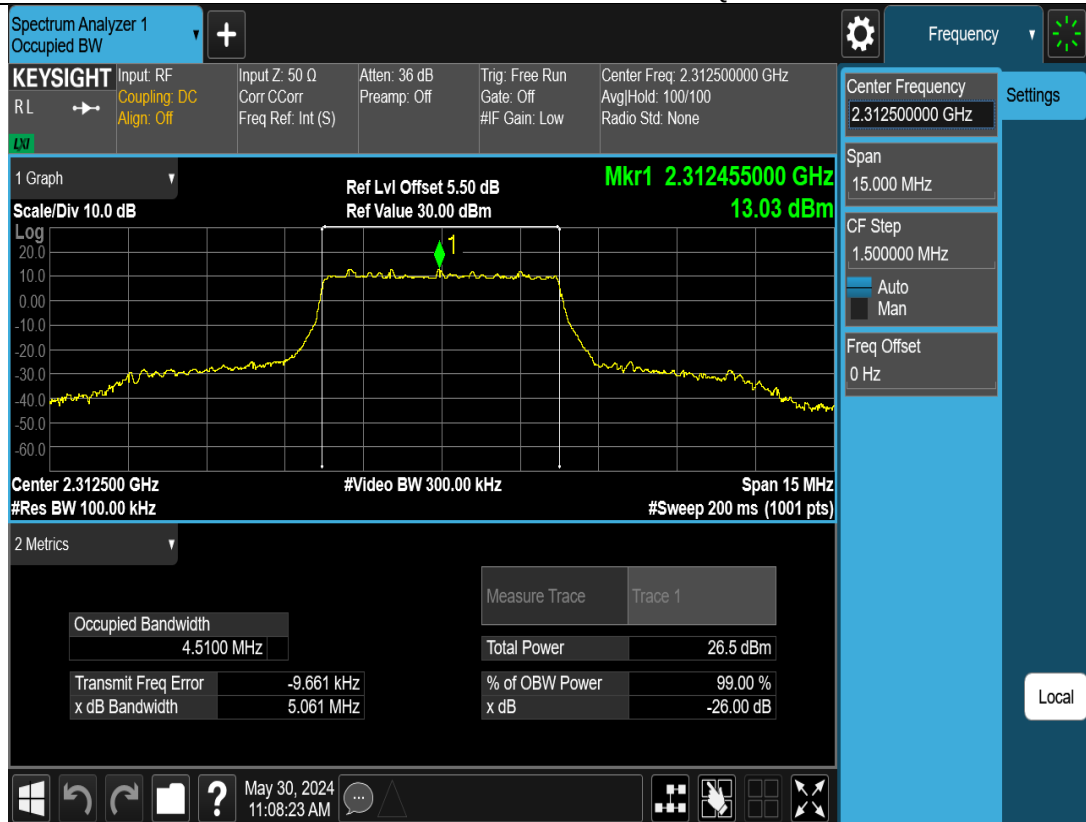


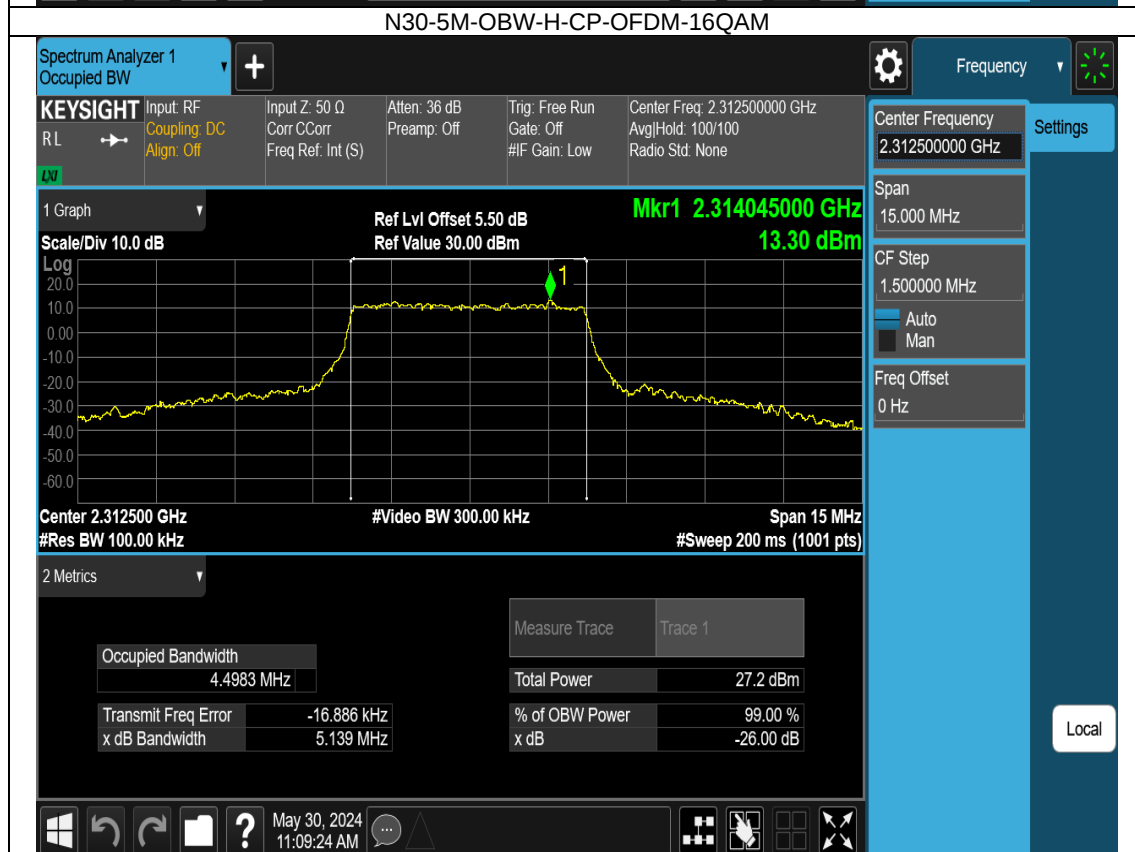
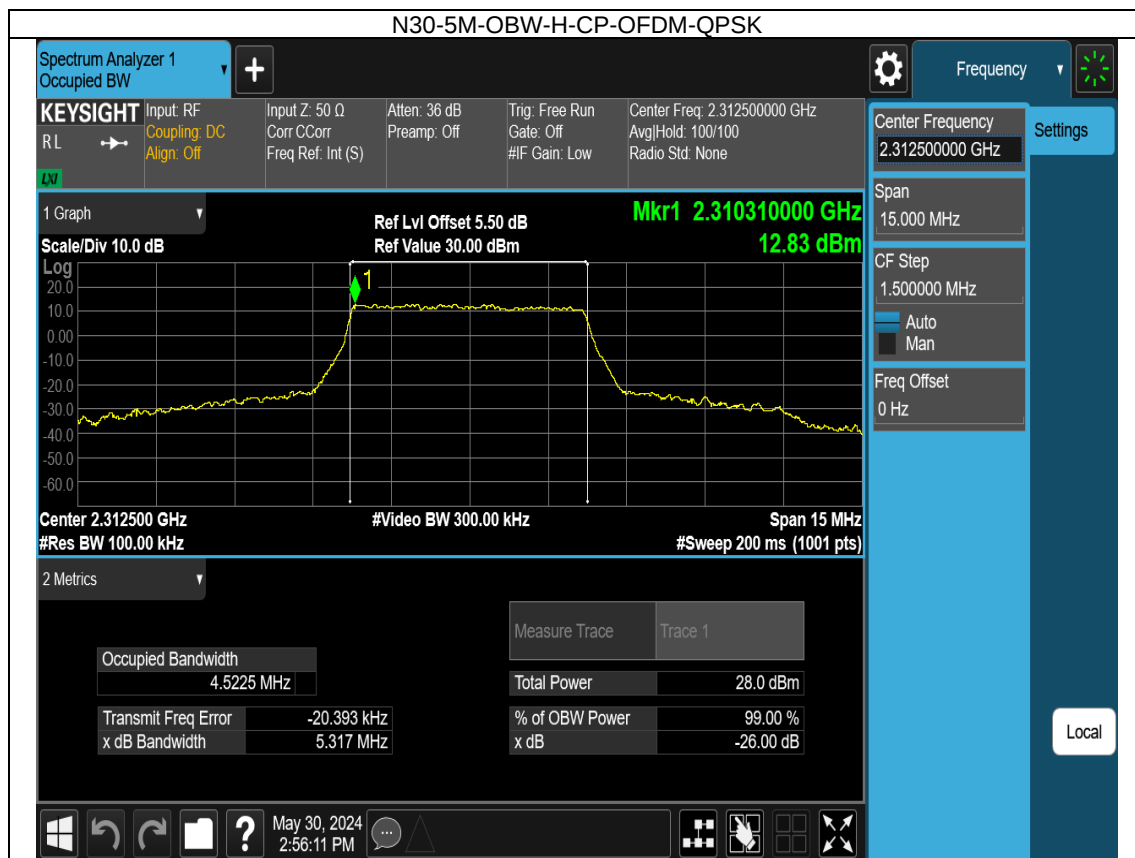


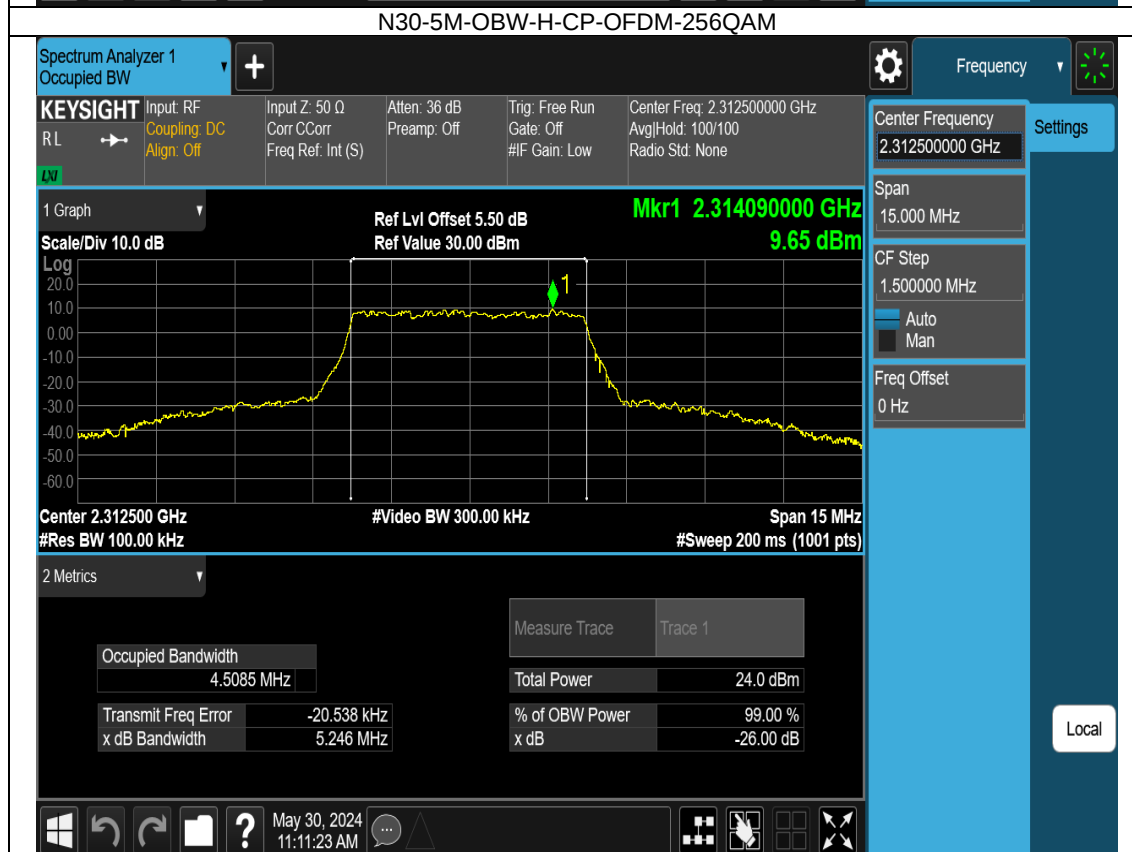
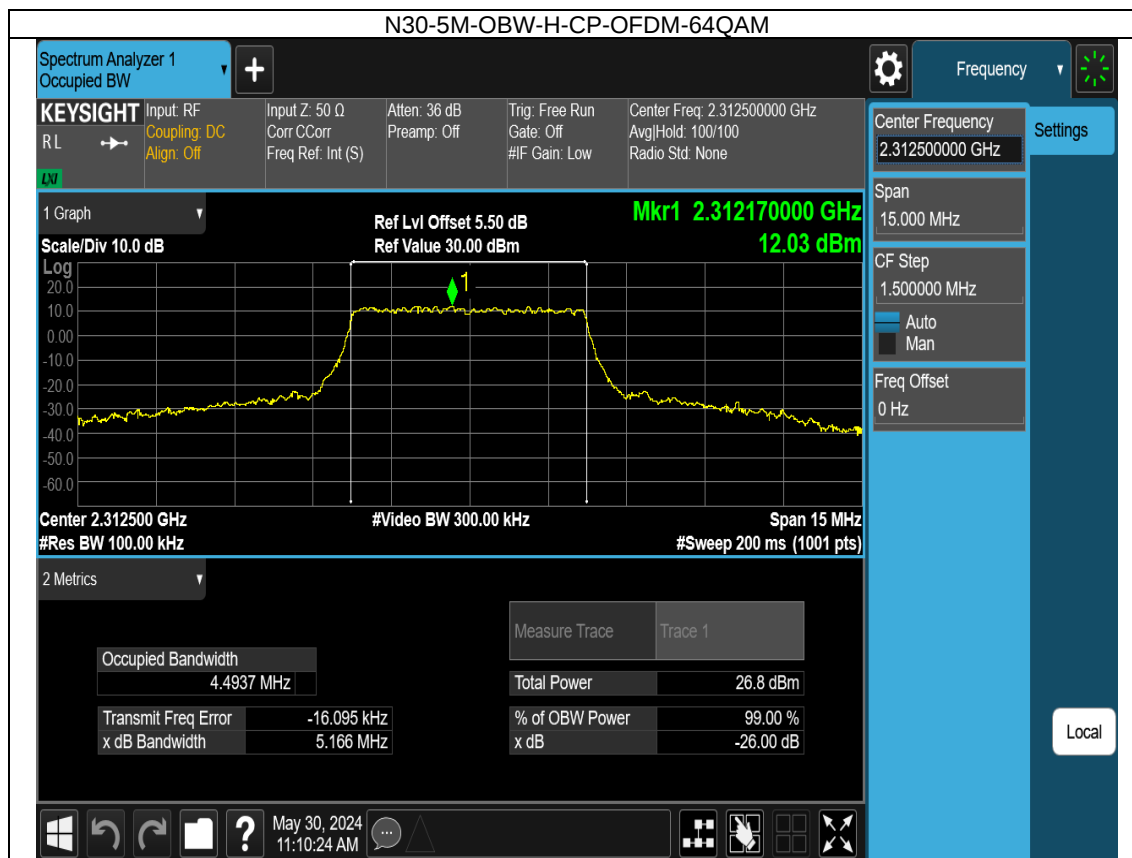
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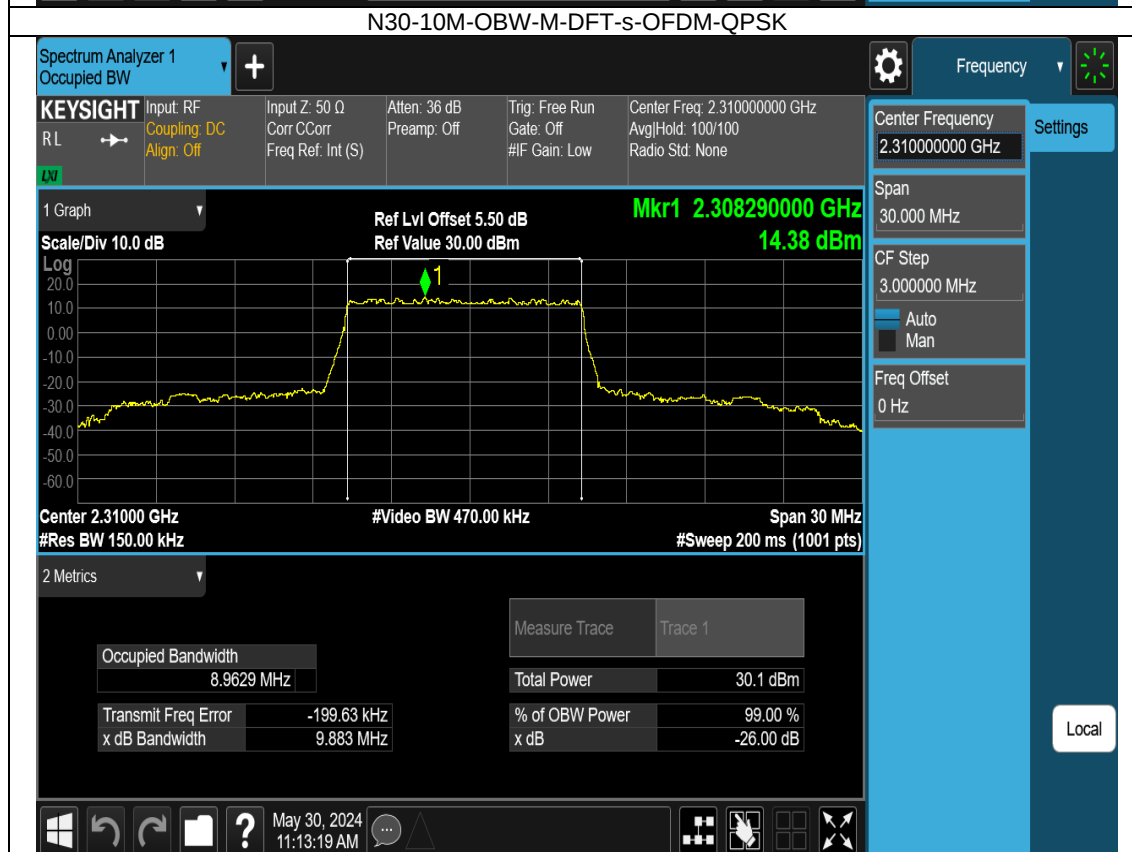
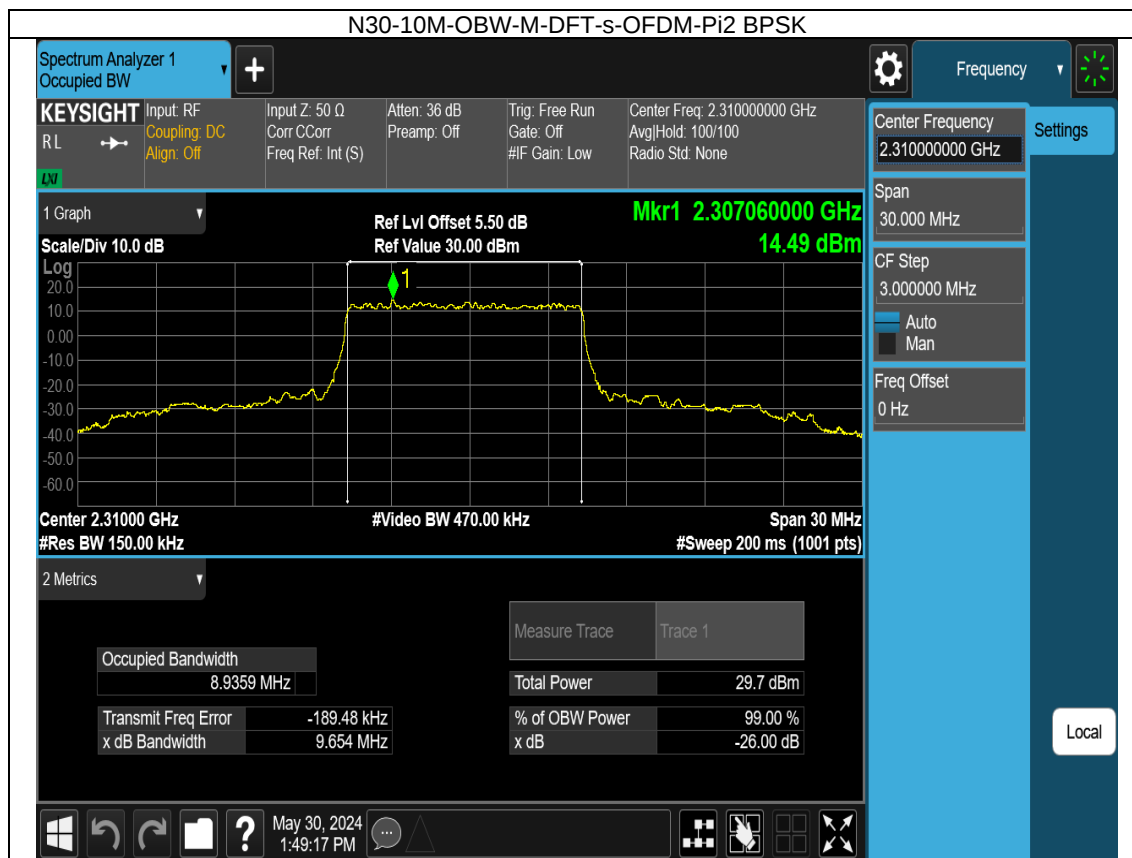


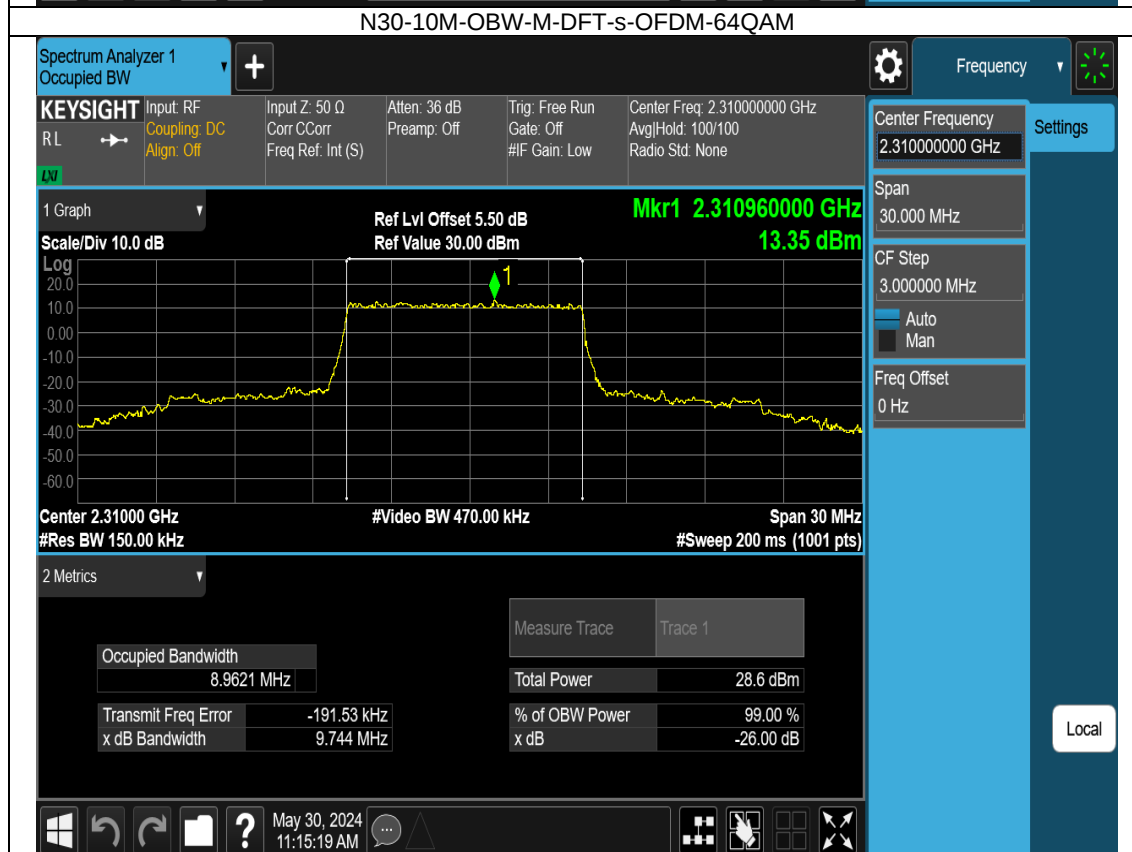
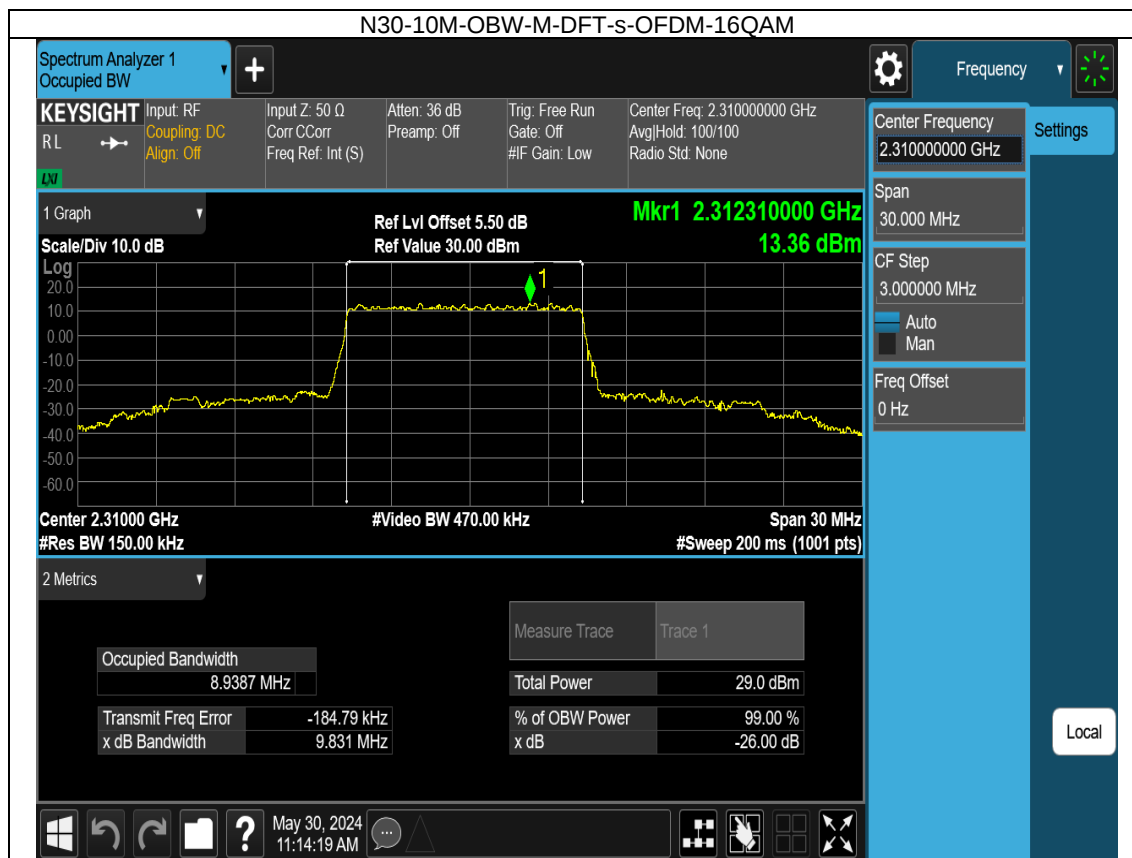
N30-5M-OBW-H-DFT-s-OFDM-256QAM

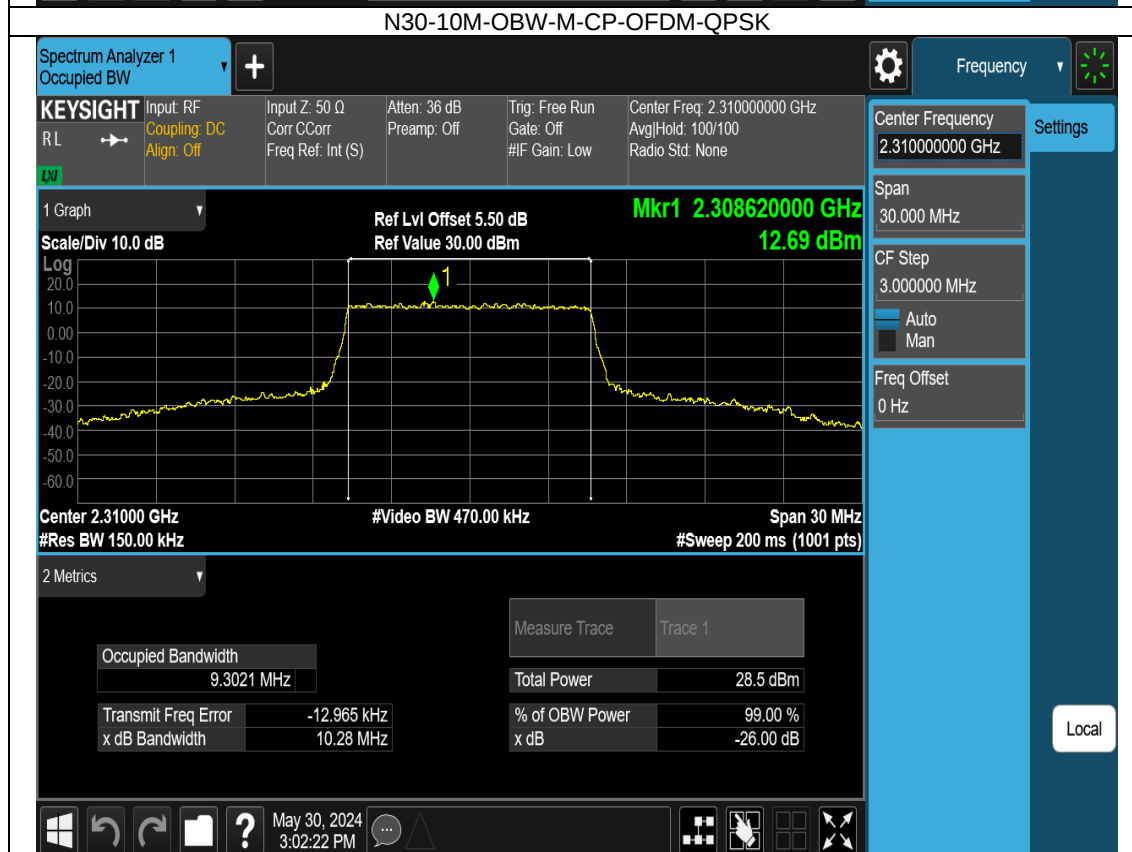
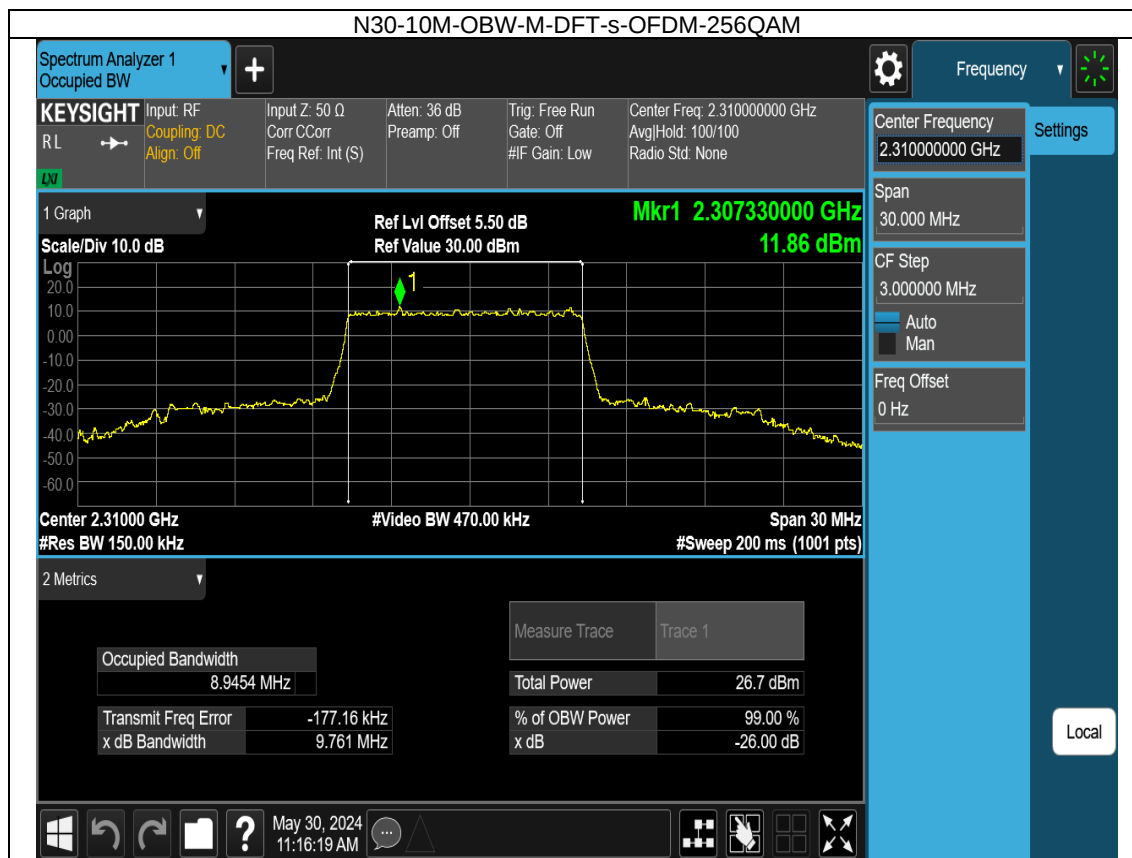


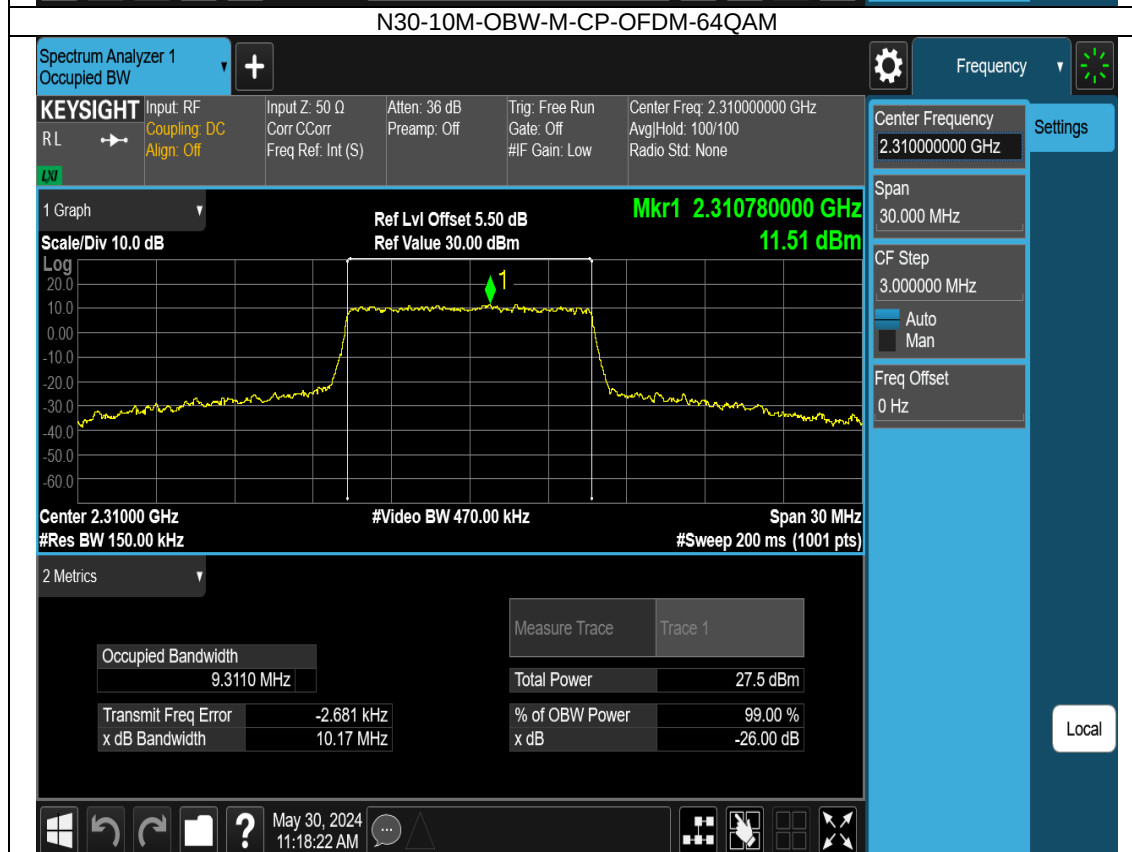
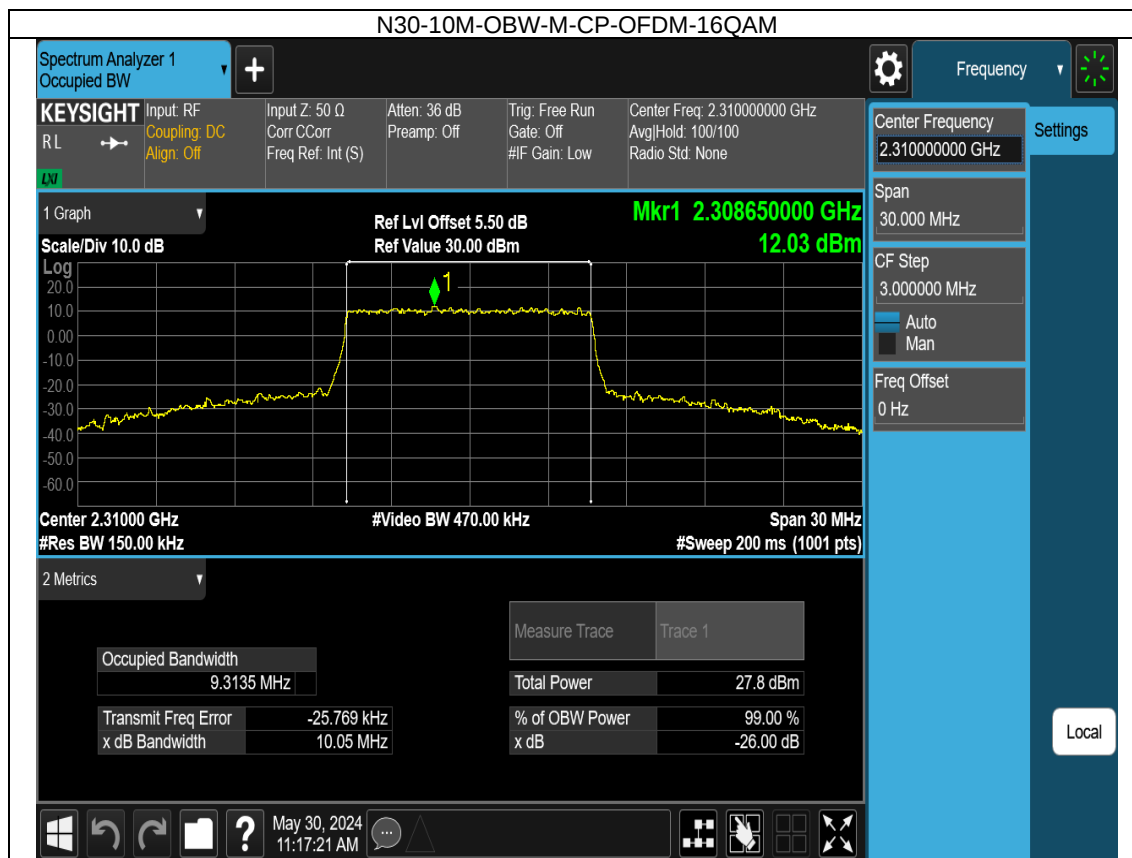




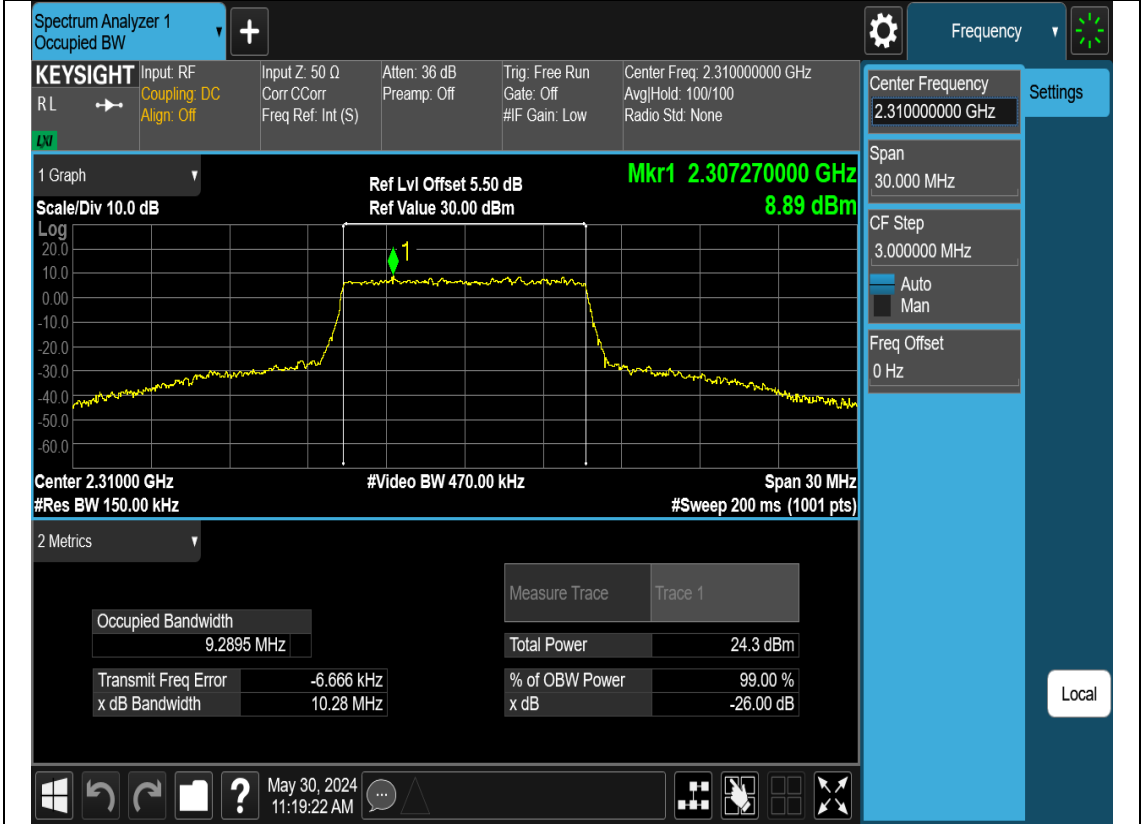








N30-10M-OBW-M-CP-OFDM-256QAM



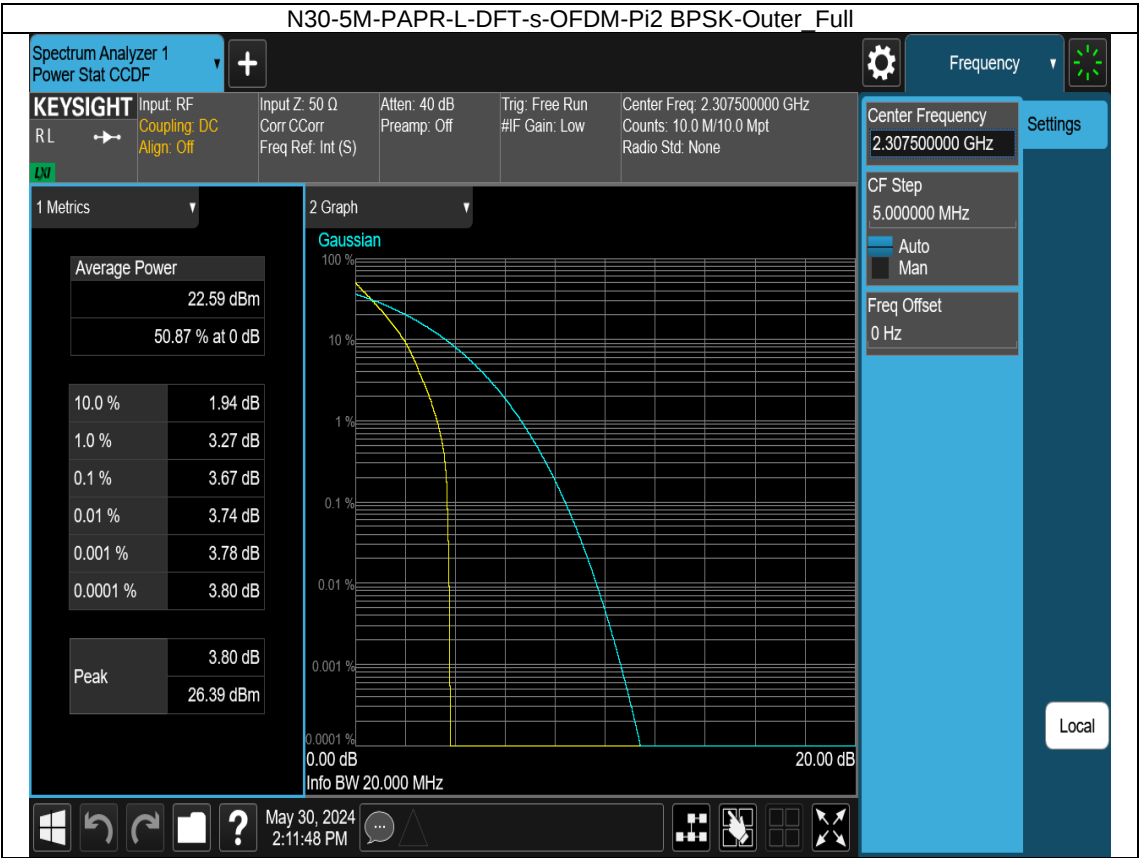
Peak-Average Ratio

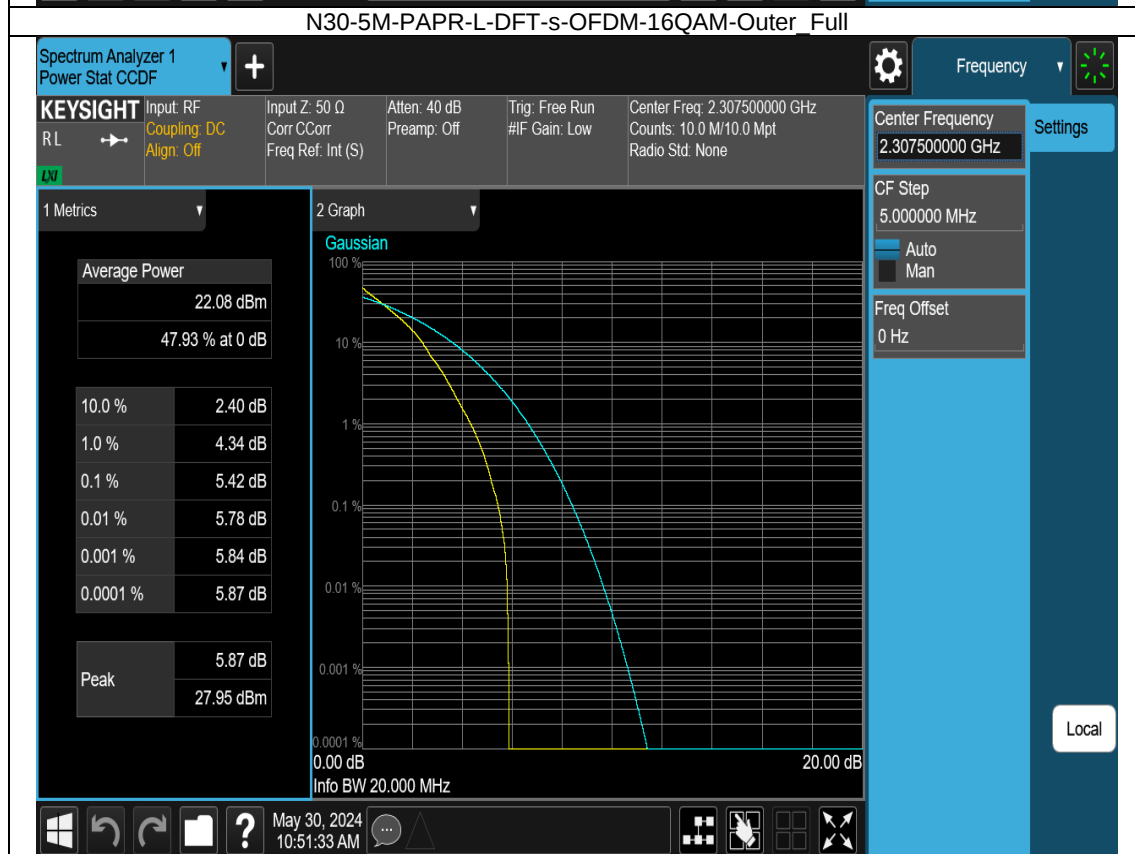
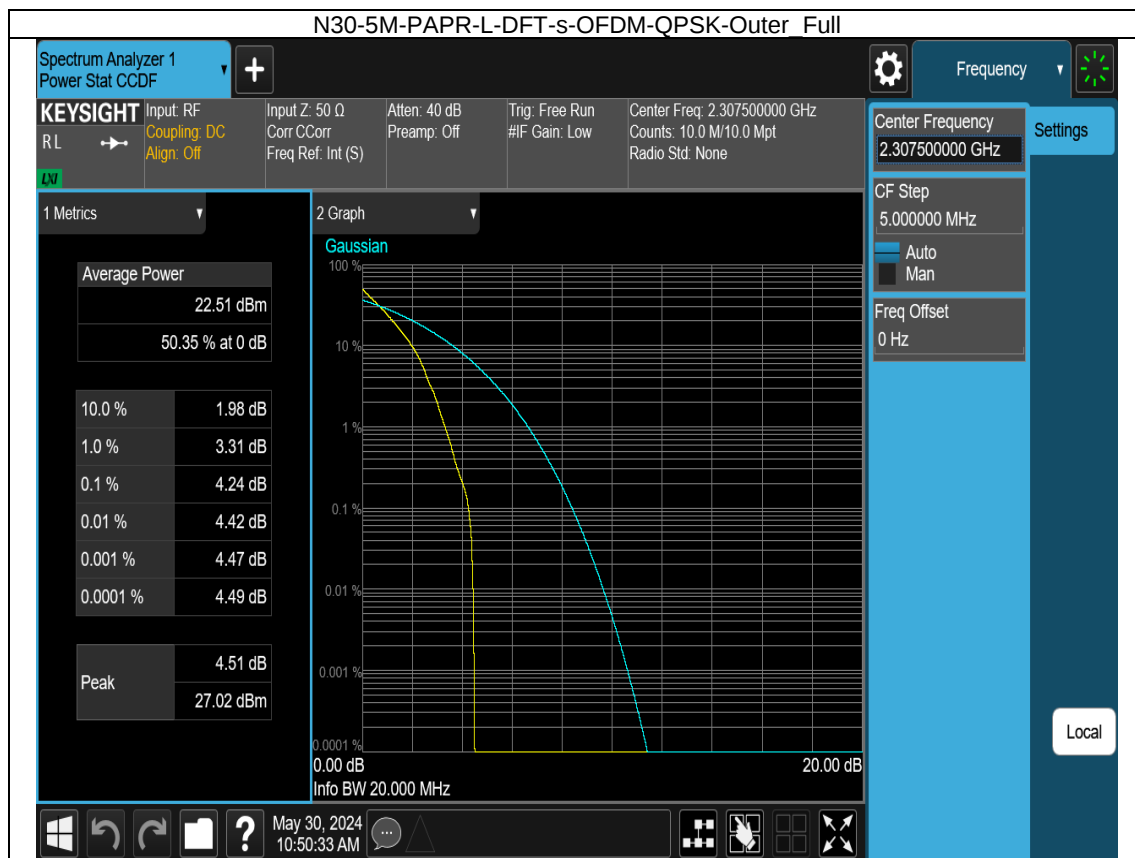
Test Result

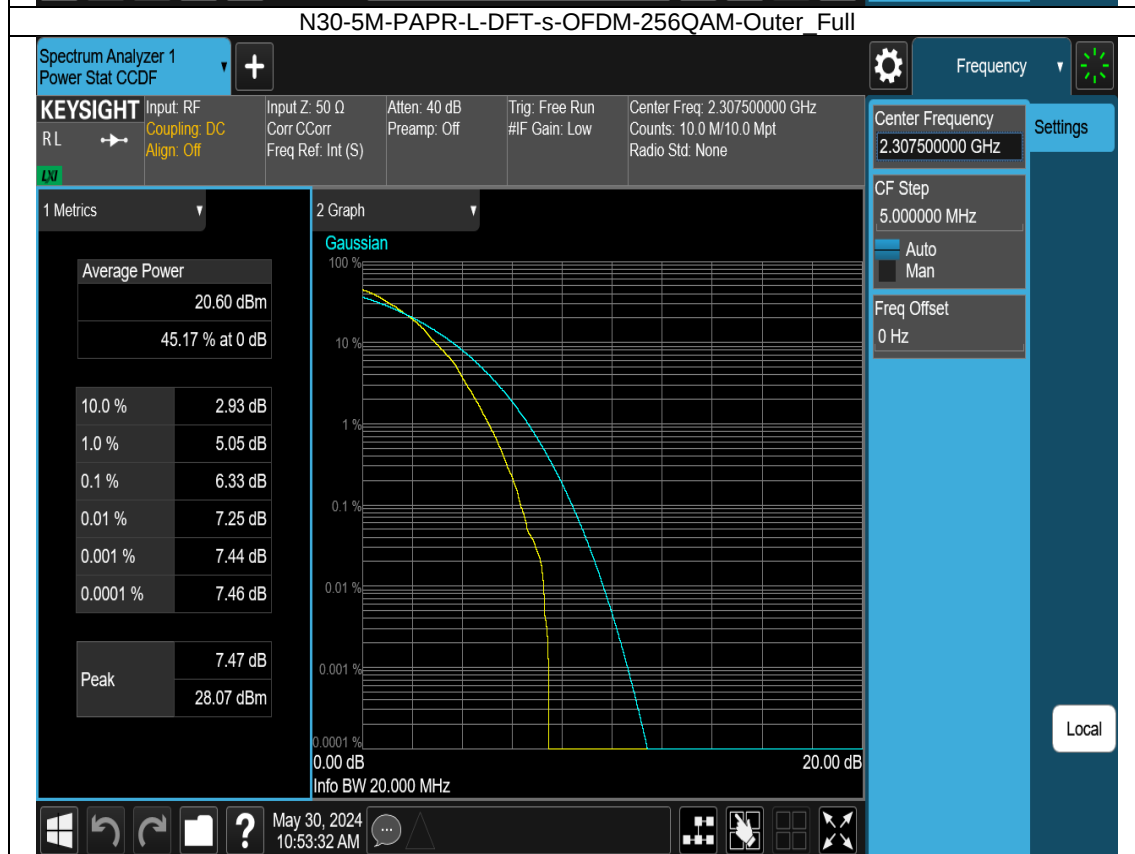
5G NR n30 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.67	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	4.24	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	5.42	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.36	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.33	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.01	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.00	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.46	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.86	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.66	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.48	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.26	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.37	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.77	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.05	<=13	Pass
CP-OFDM 16QAM		Outer_Full	6.96	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.43	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.99	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	3.77	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.34	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.15	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.28	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.76	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.93	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.47	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.12	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.70	<=13	Pass

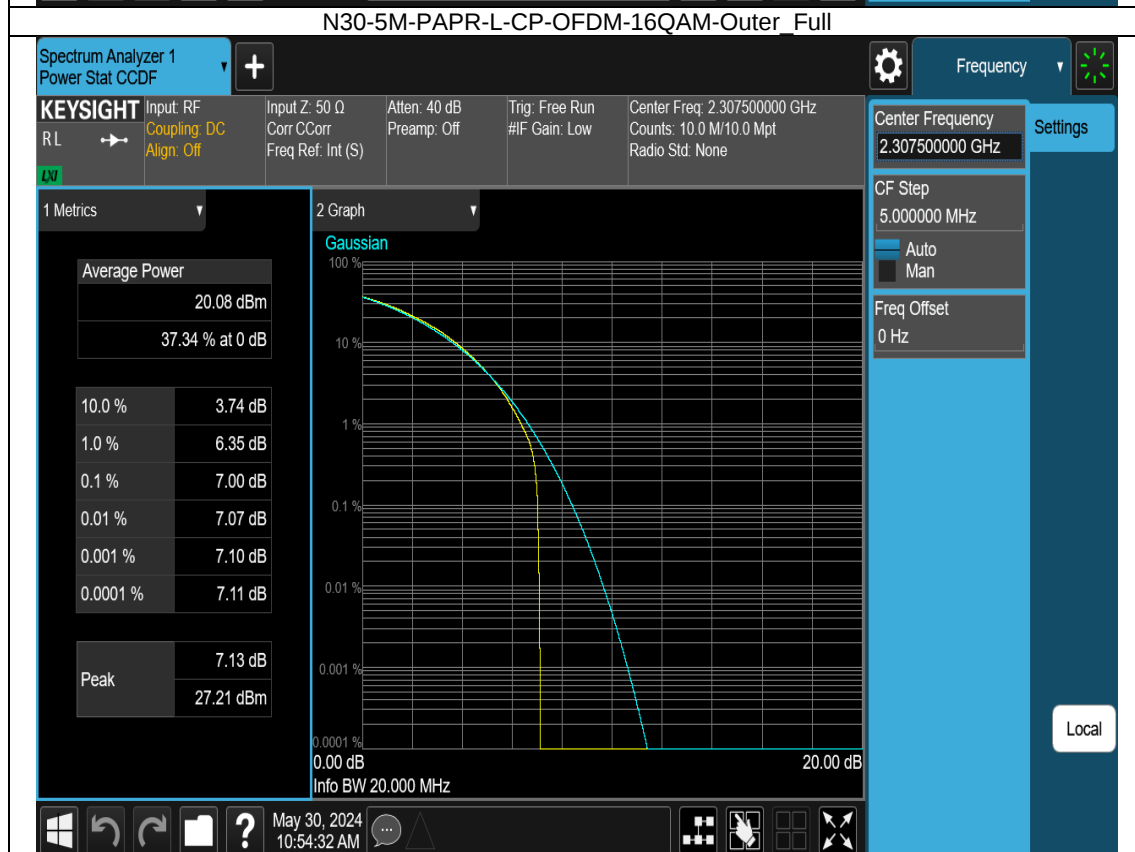
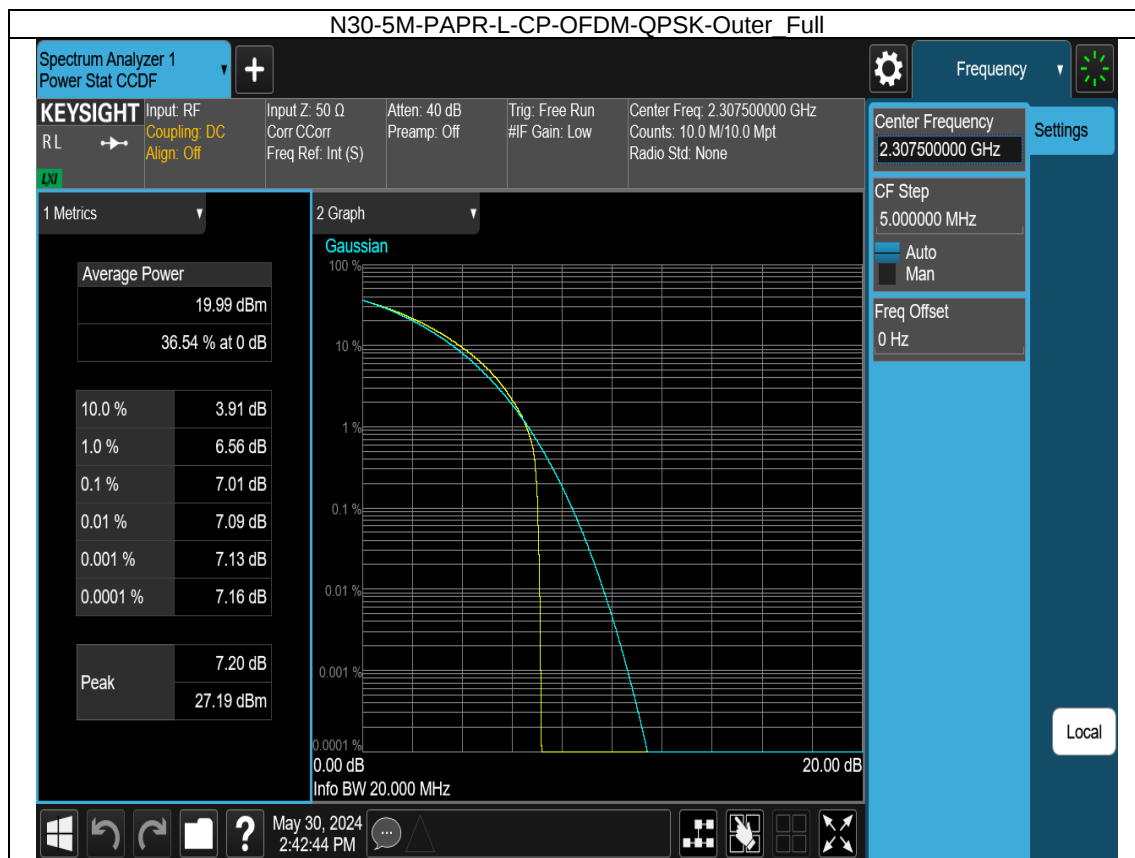
5G NR n30 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.53	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.46	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.27	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.46	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.73	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.79	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.72	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.30	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.66	<=13	Pass

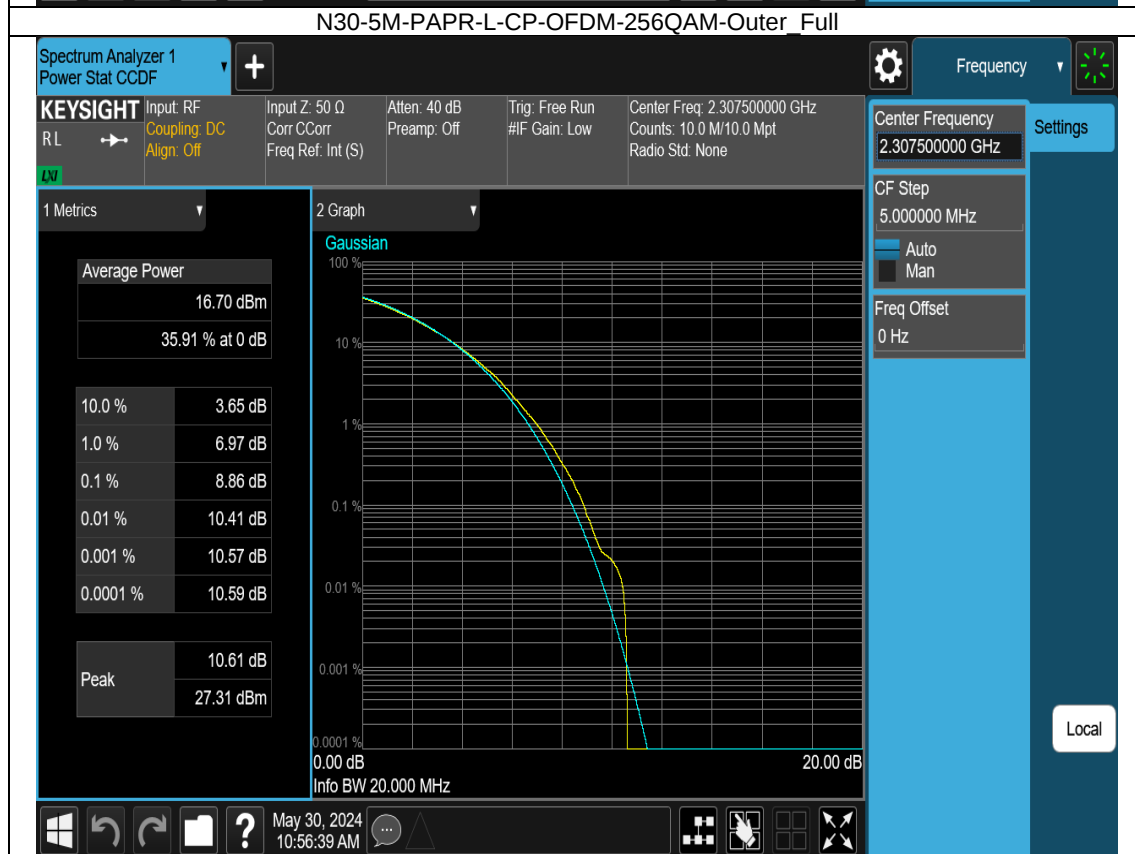
Test Graph

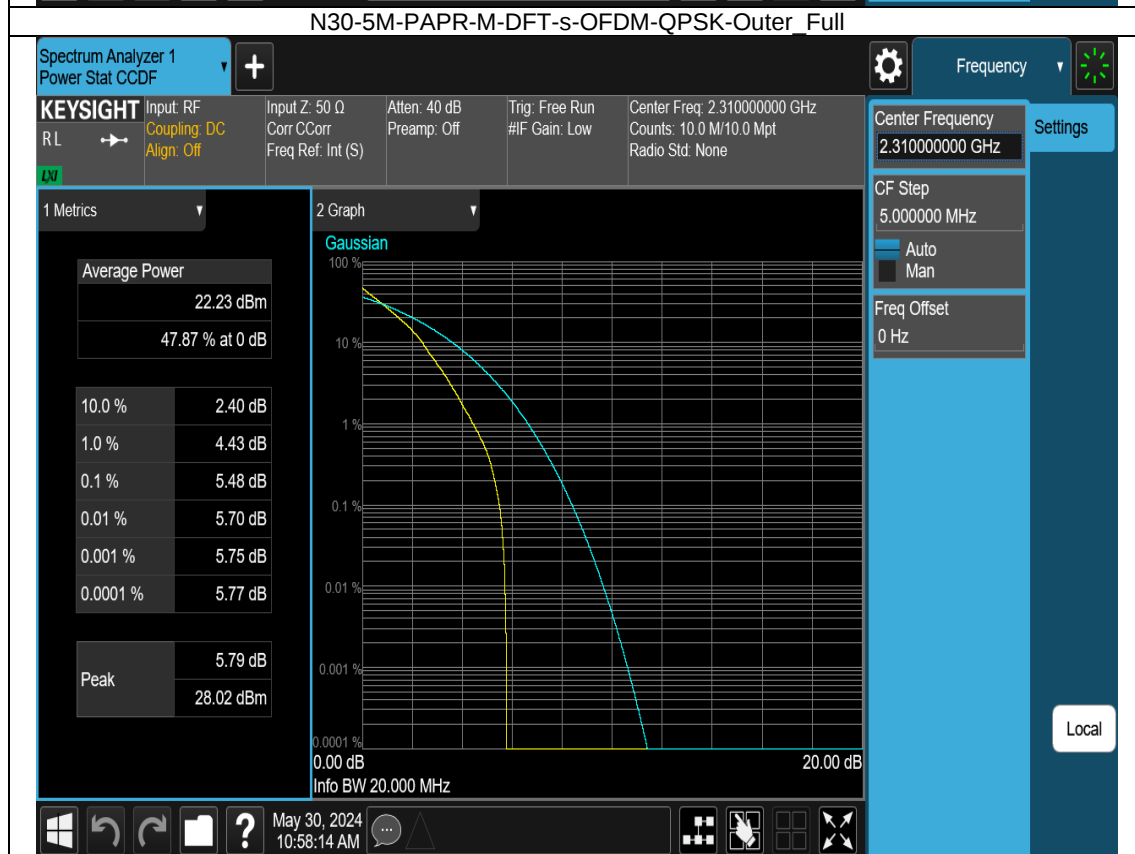
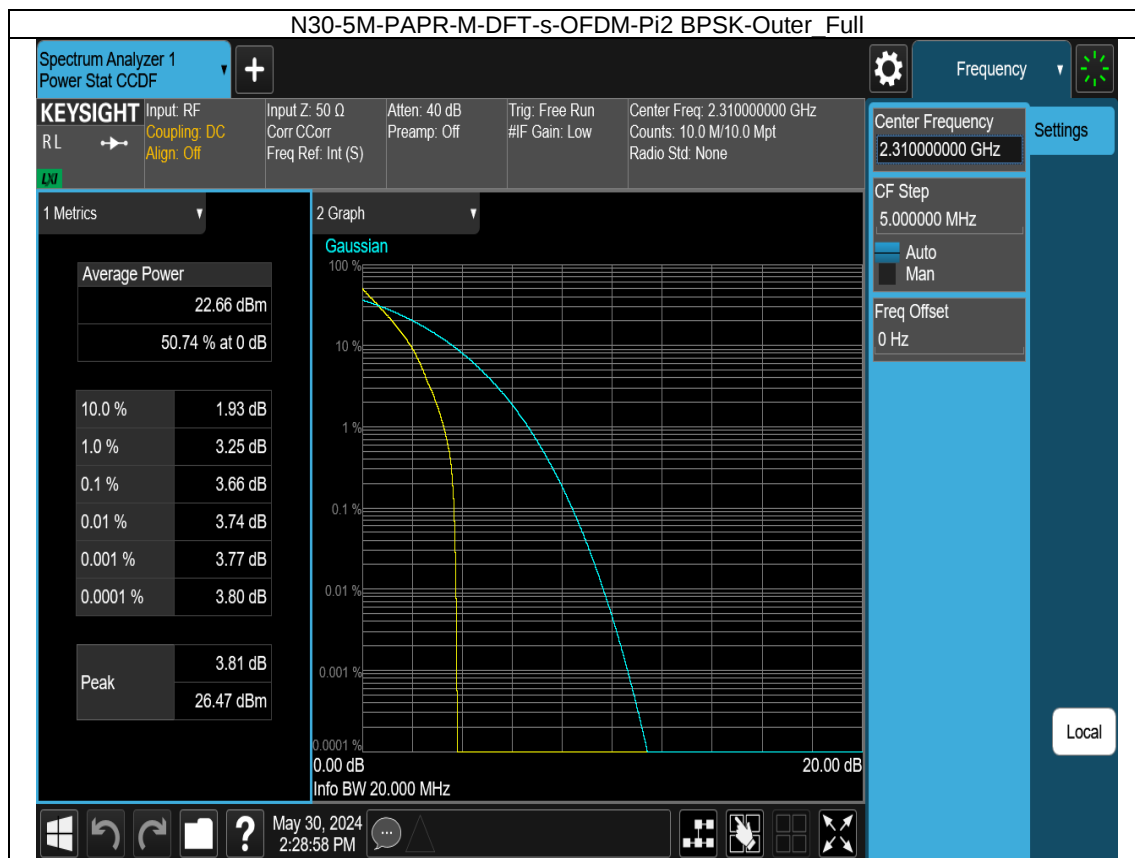


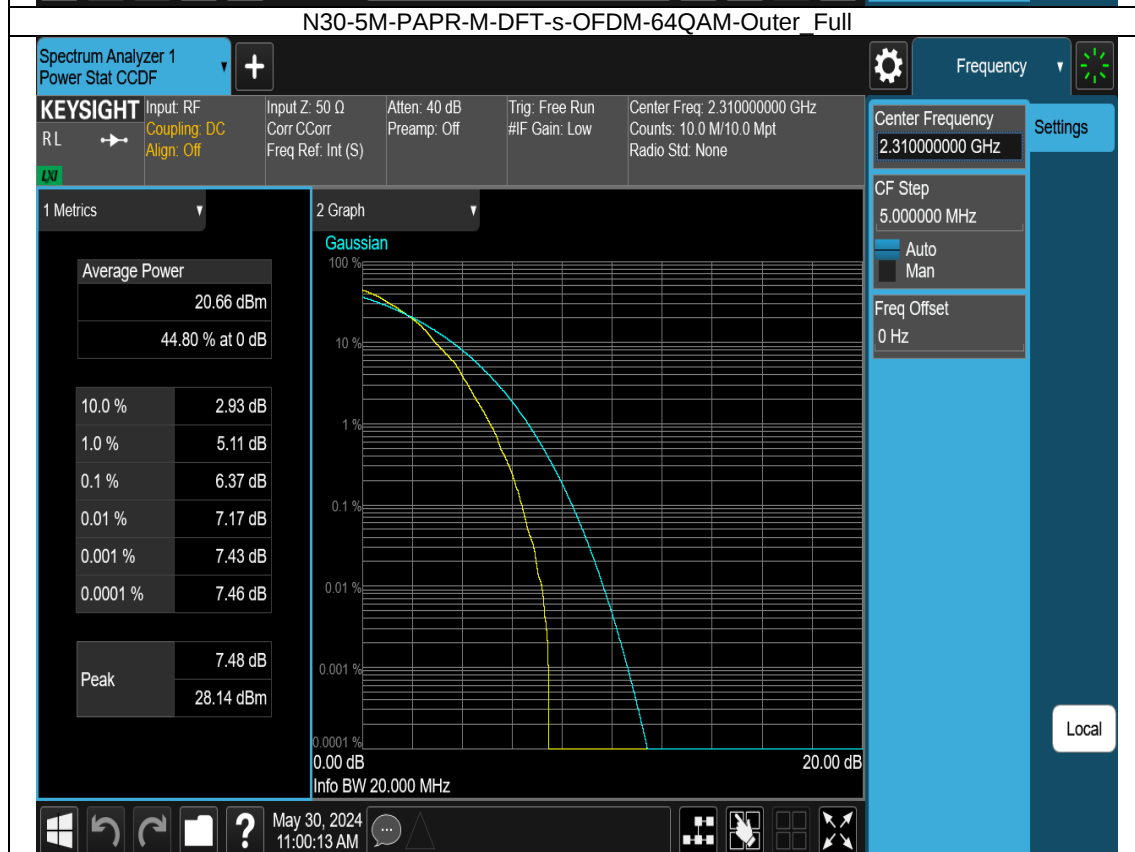
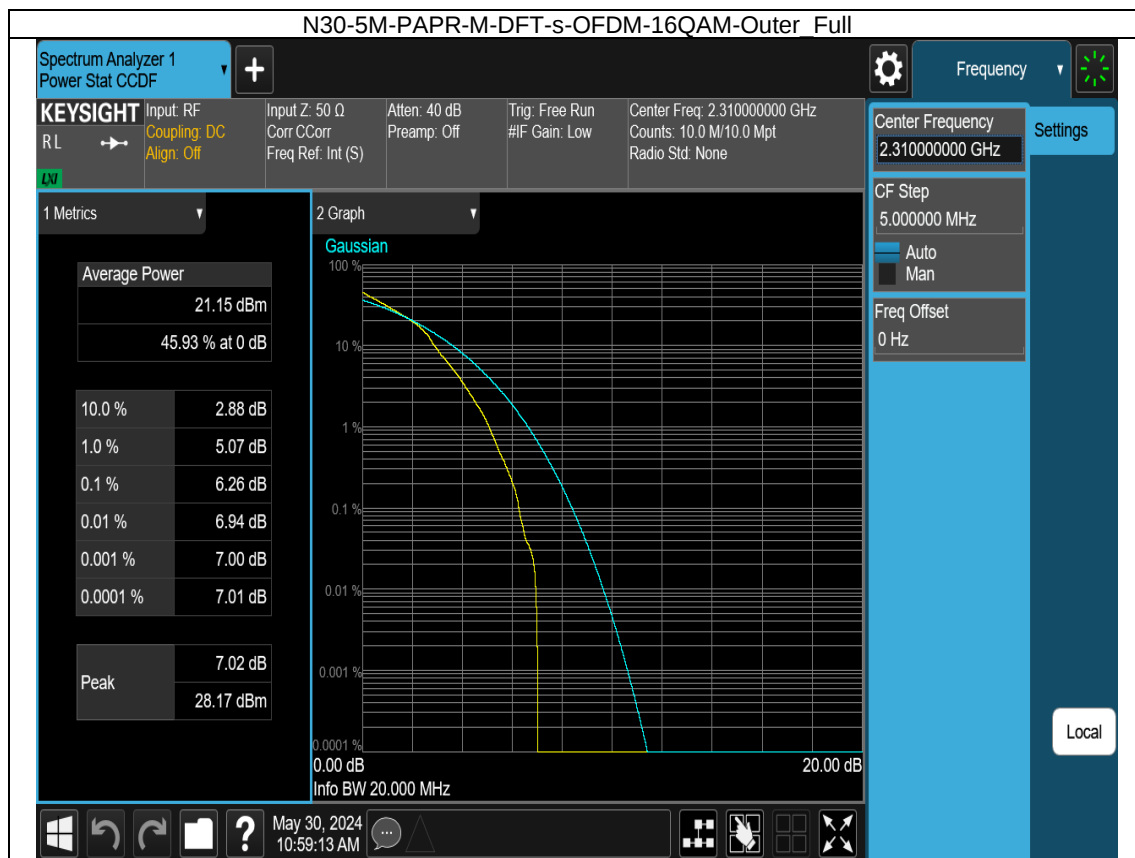


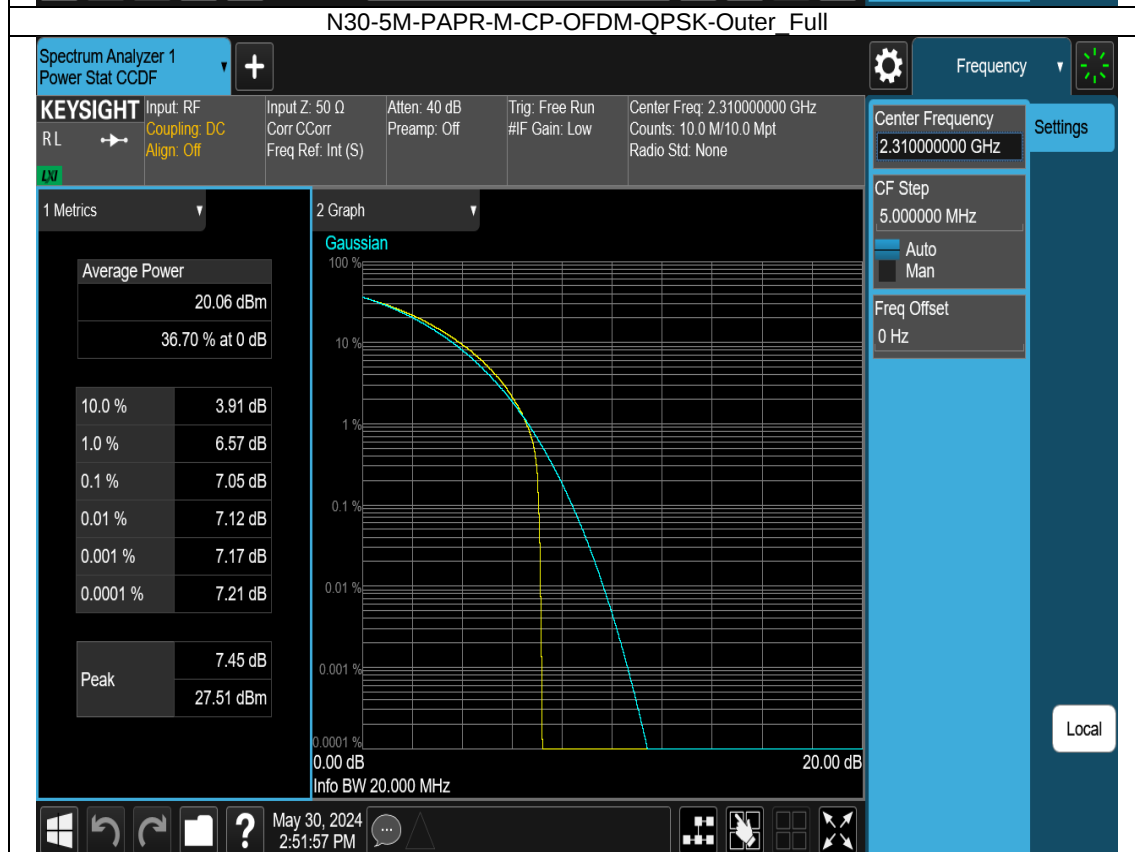
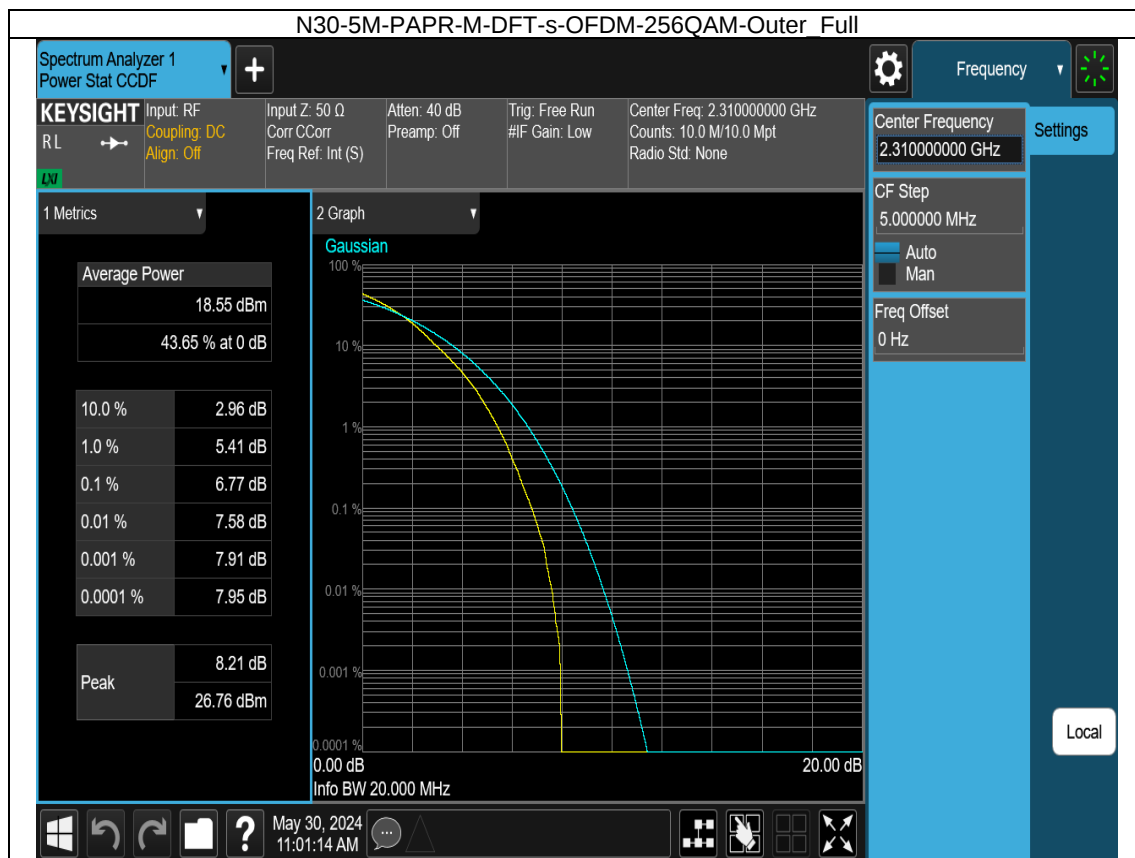


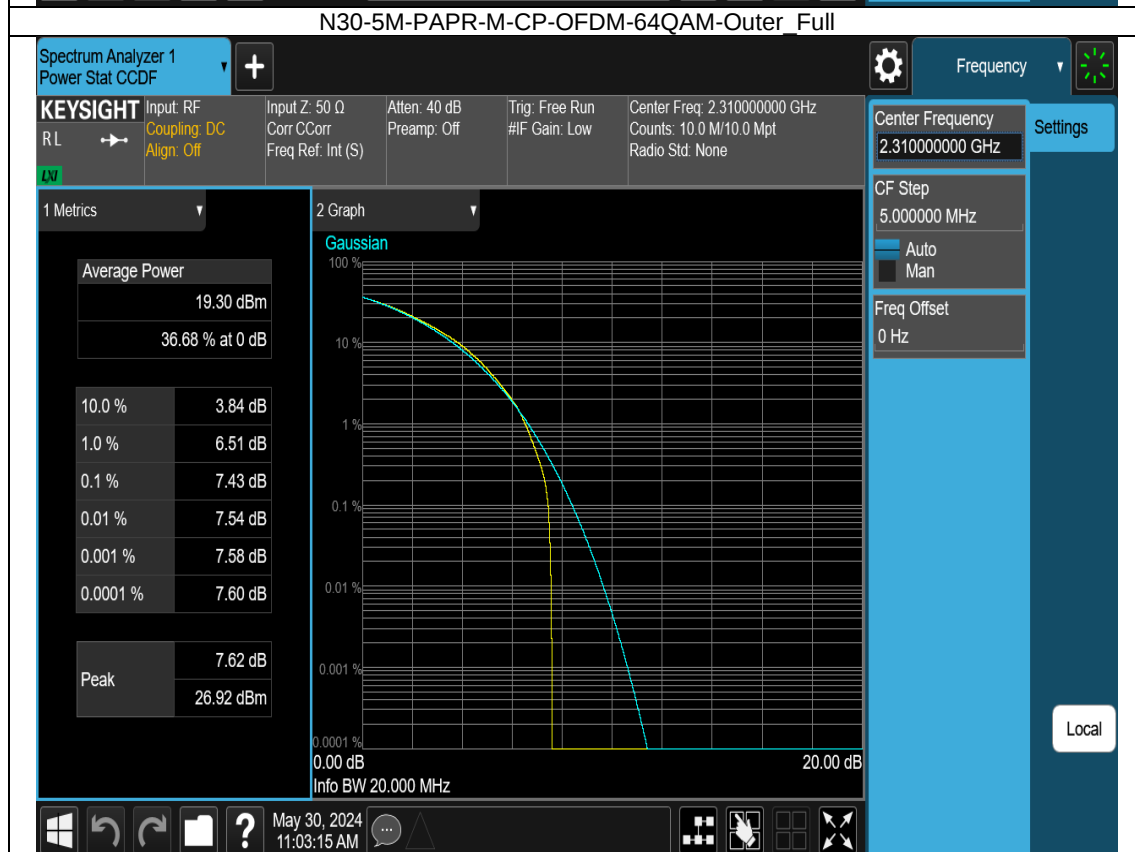
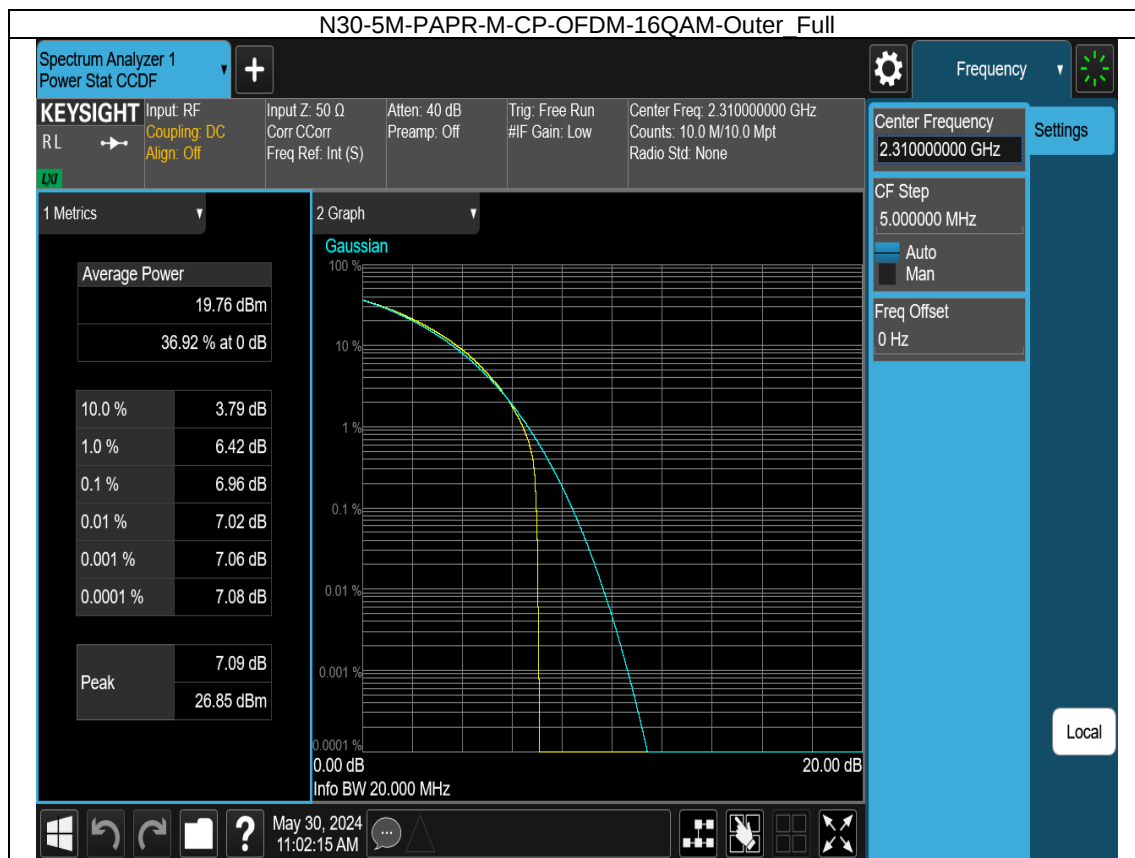


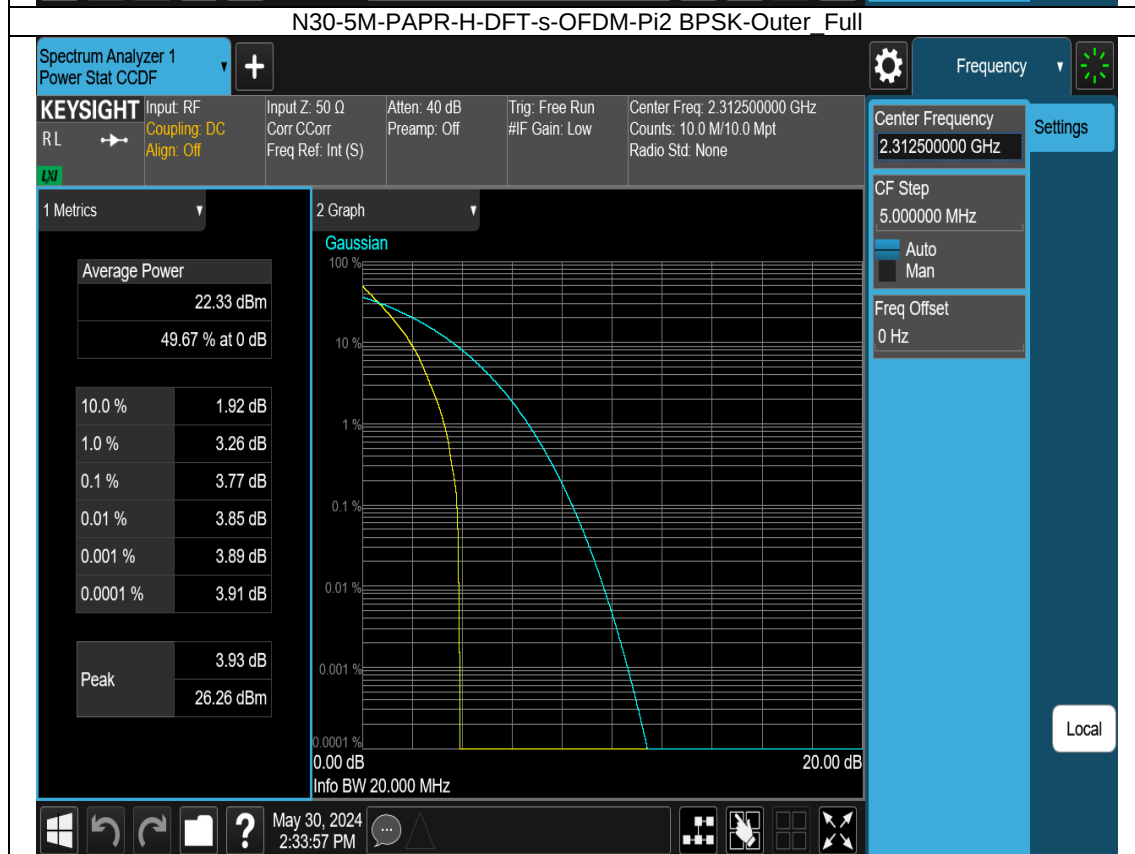
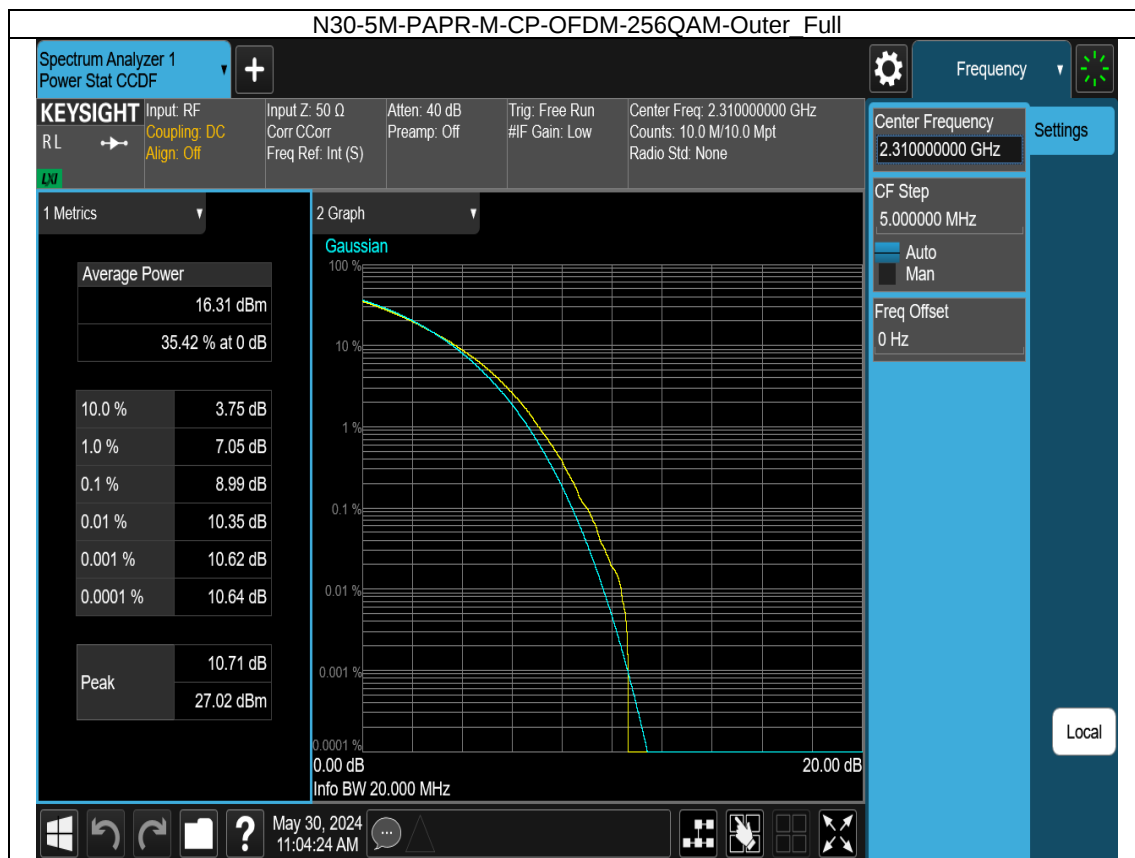


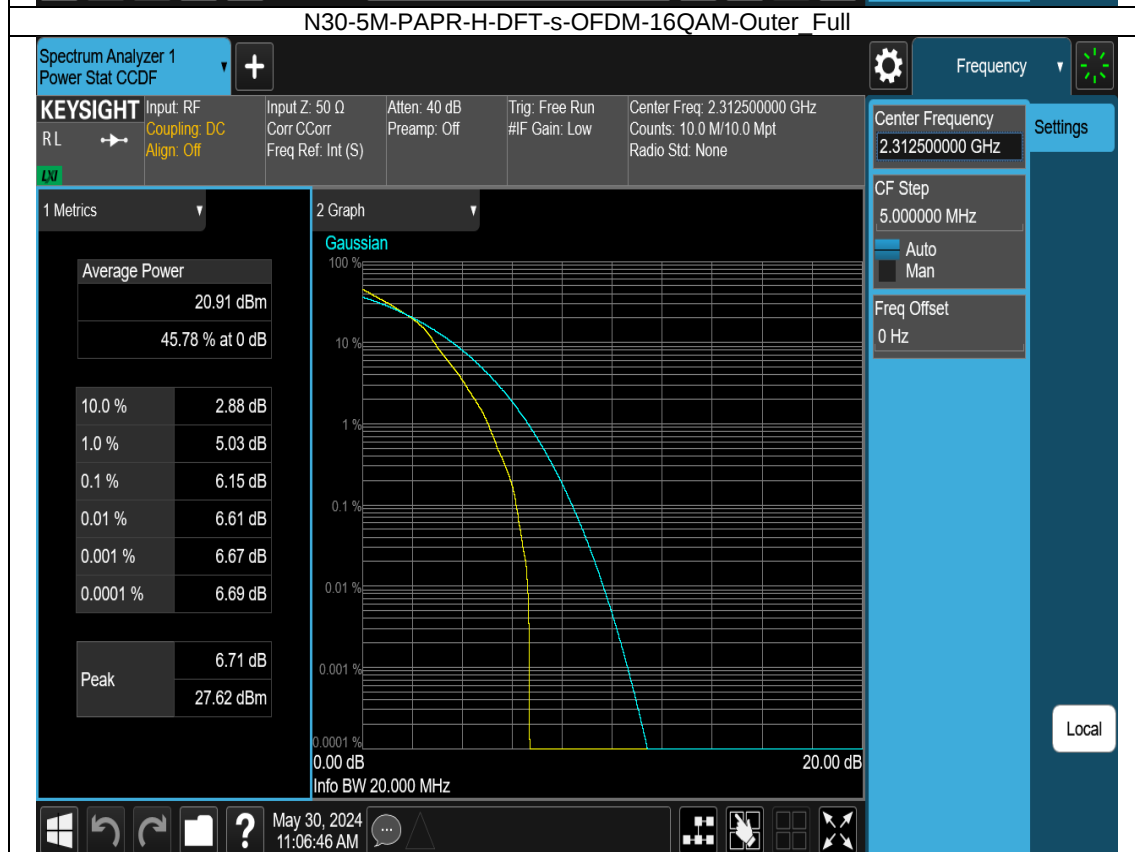
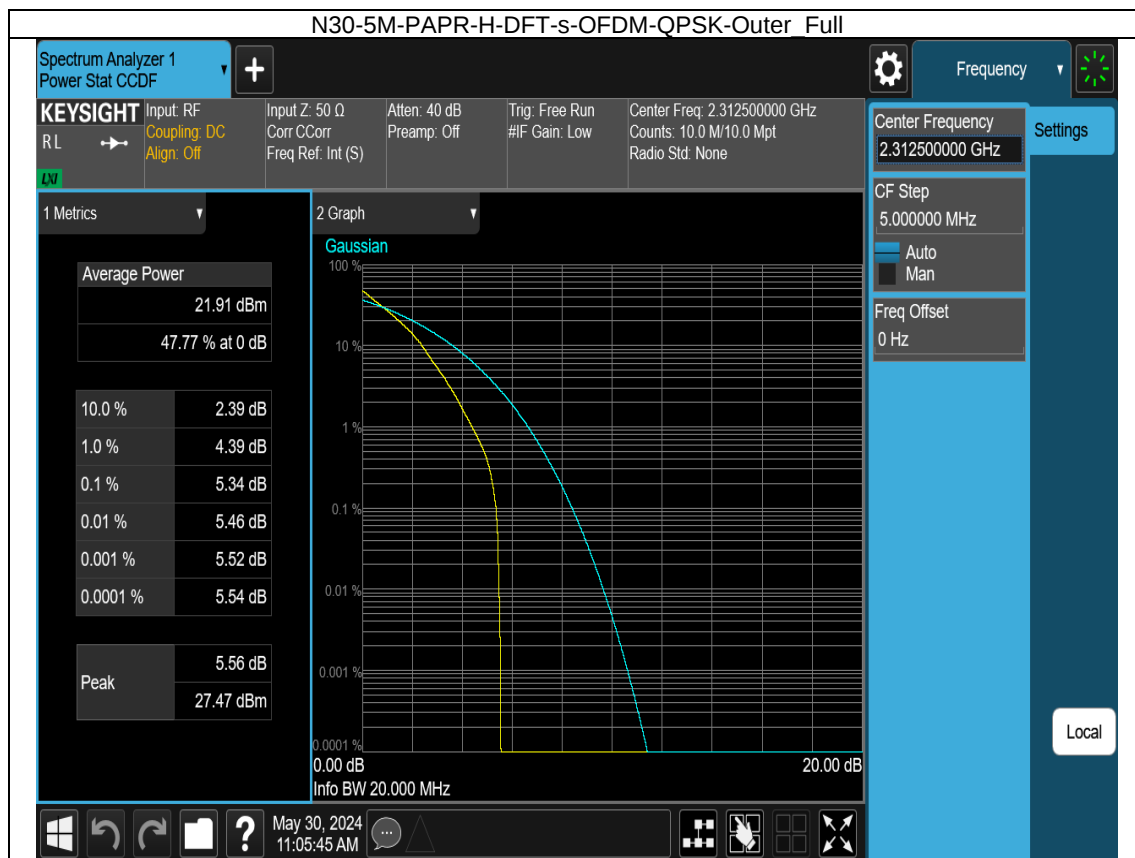








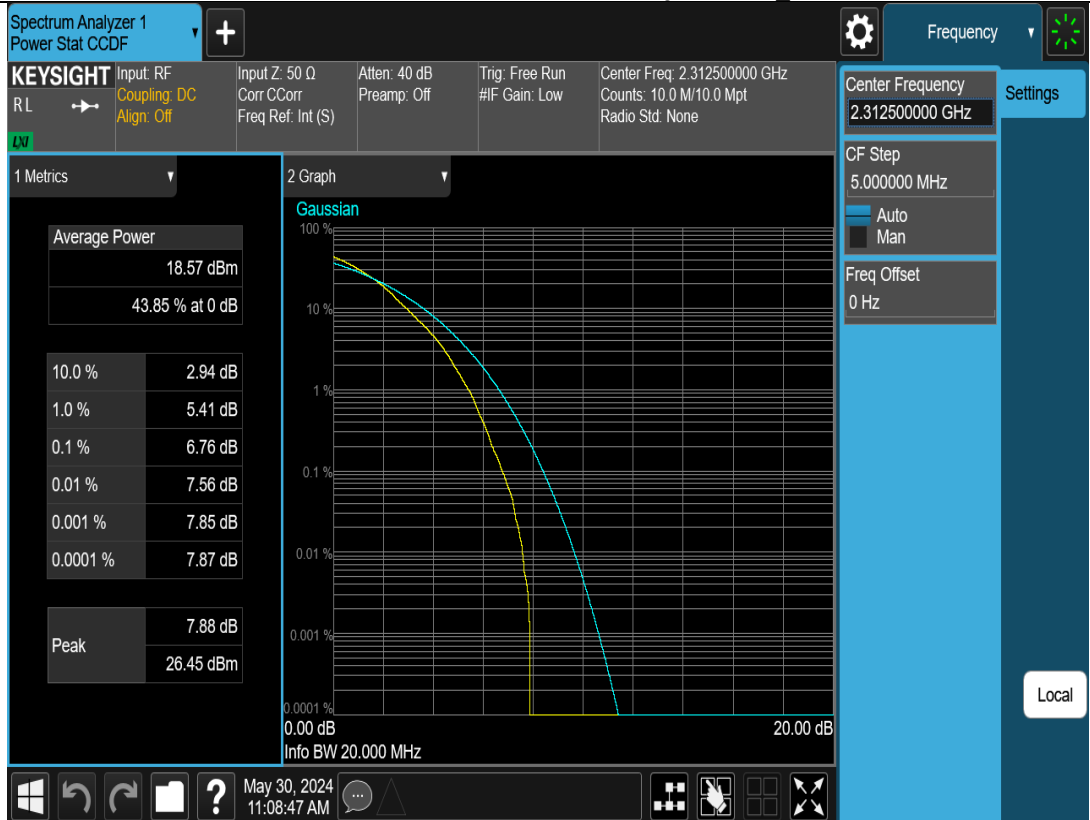




N30-5M-PAPR-H-DFT-s-OFDM-64QAM-Outer Full



N30-5M-PAPR-H-DFT-s-OFDM-256QAM-Outer Full



N30-5M-PAPR-H-CP-OFDM-QPSK-Outer Full



N30-5M-PAPR-H-CP-OFDM-16QAM-Outer Full

