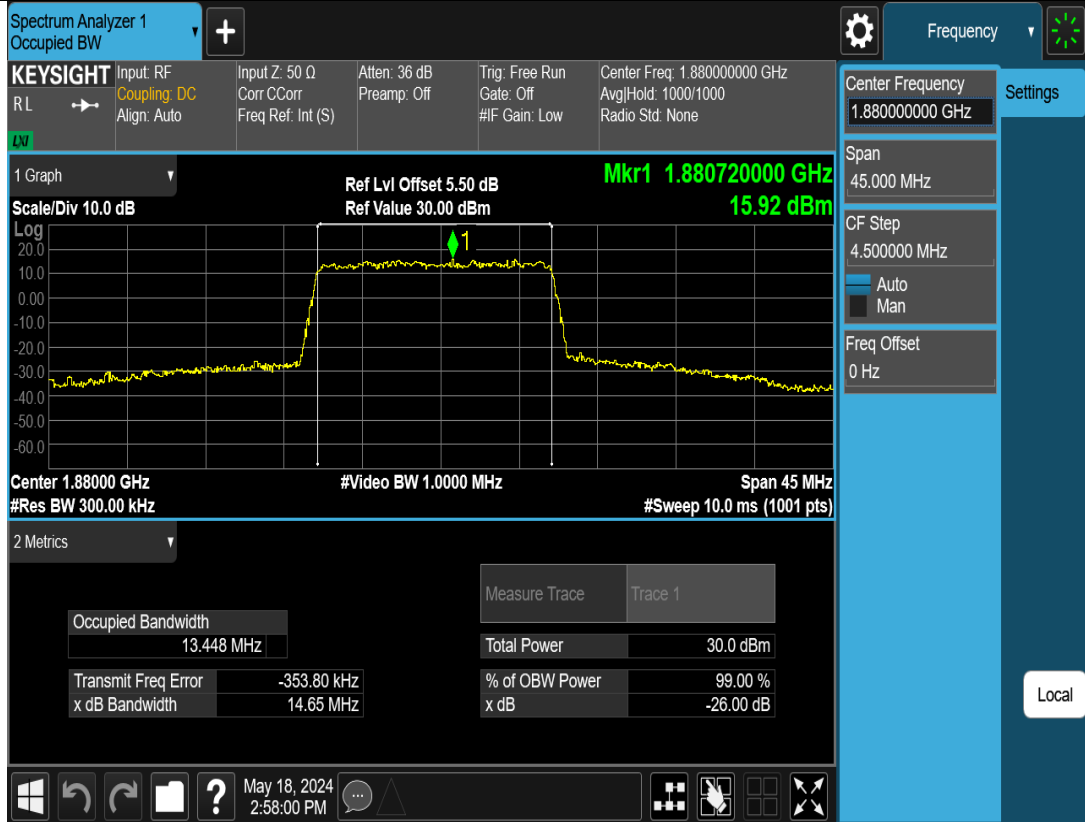
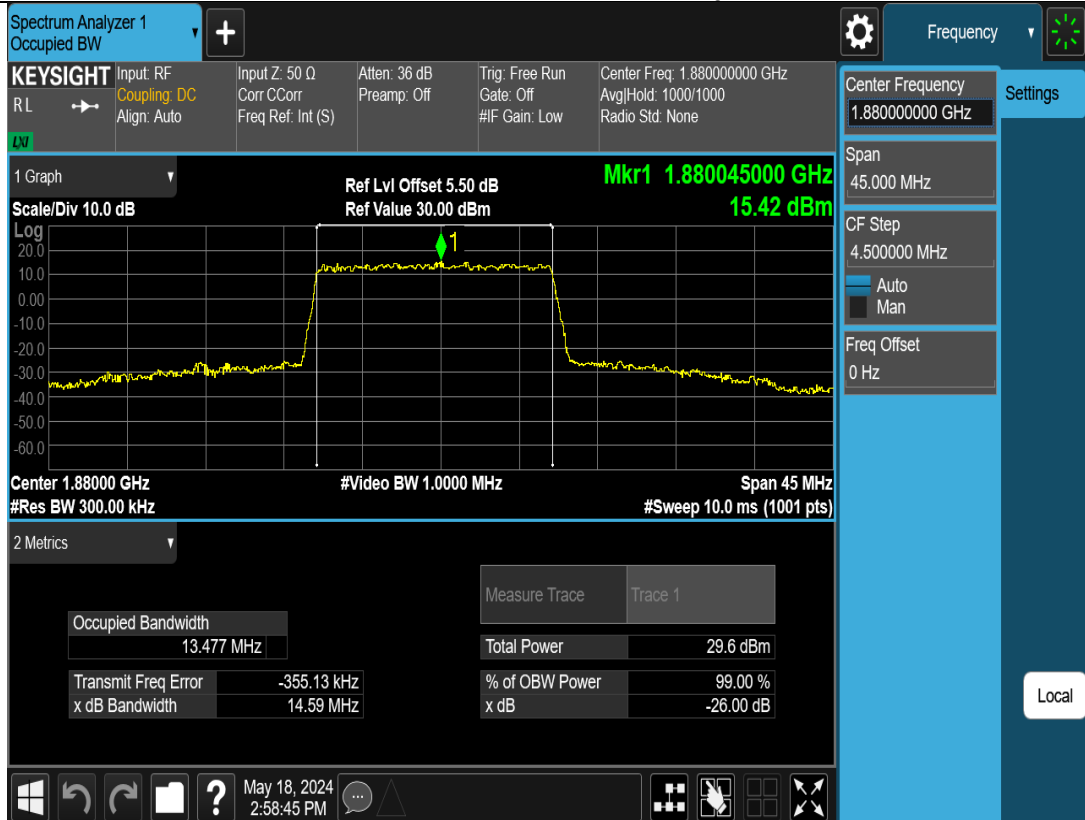


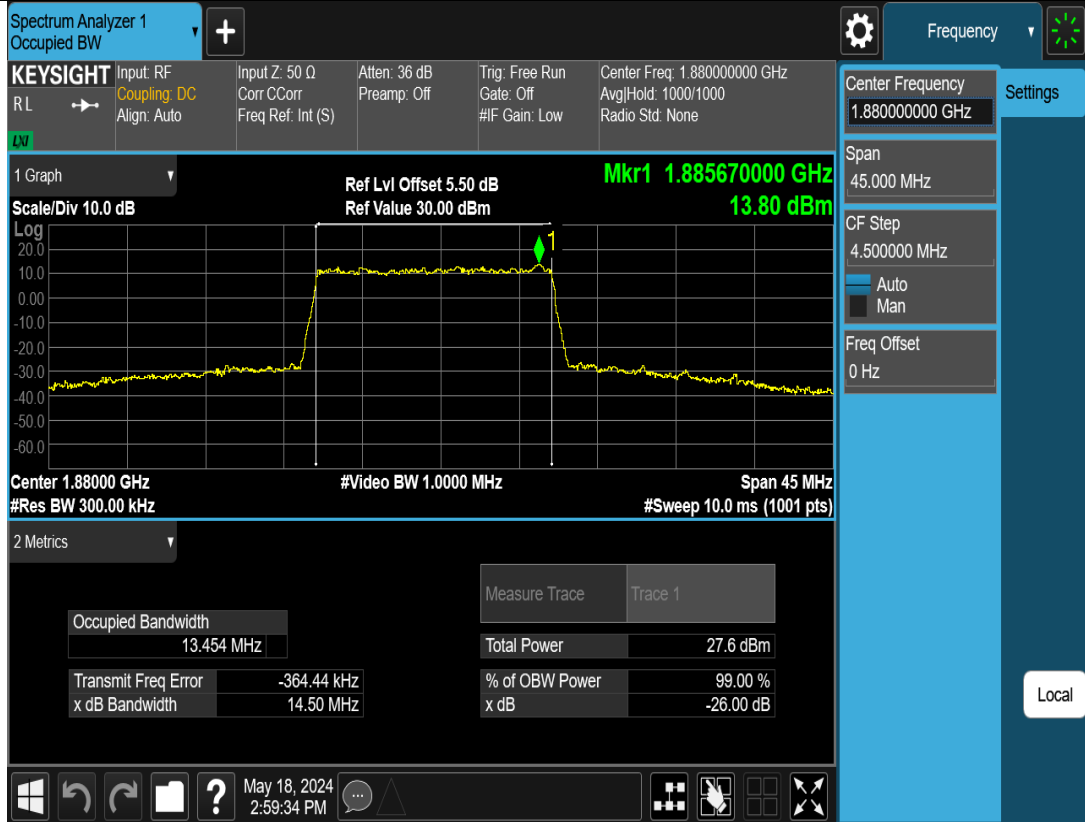
N2-15M-OBW-M-DFT-s-OFDM-16QAM



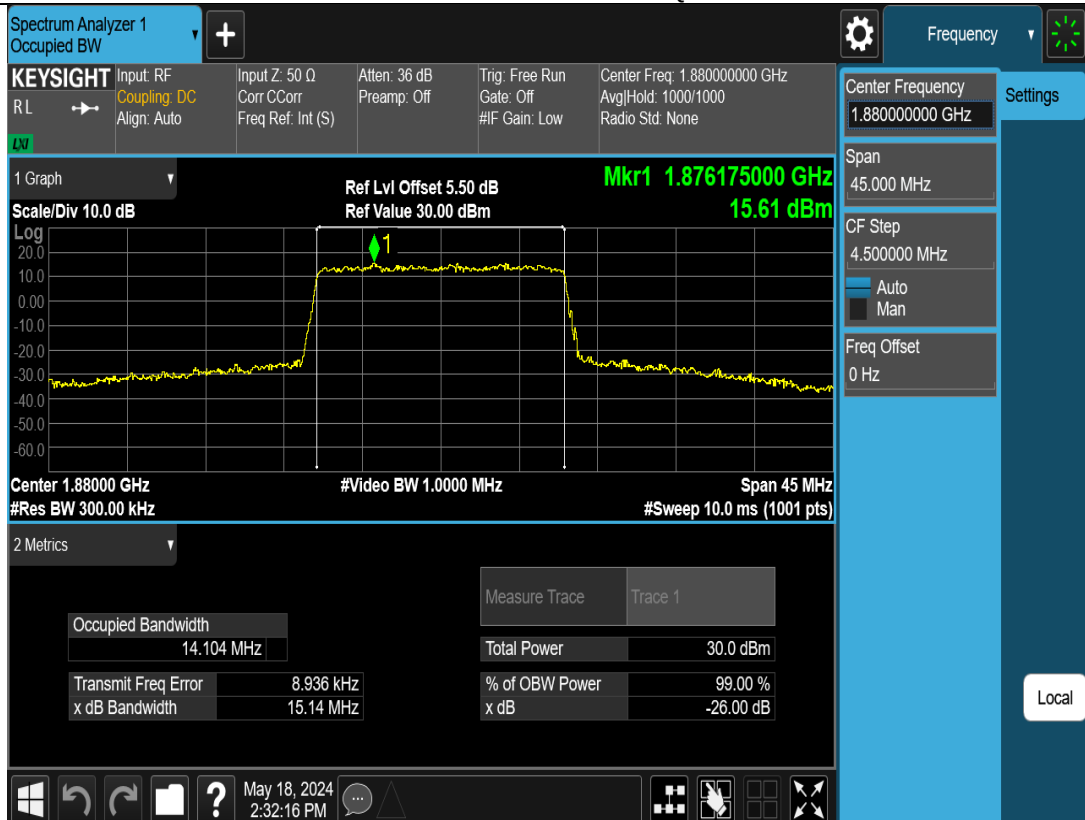
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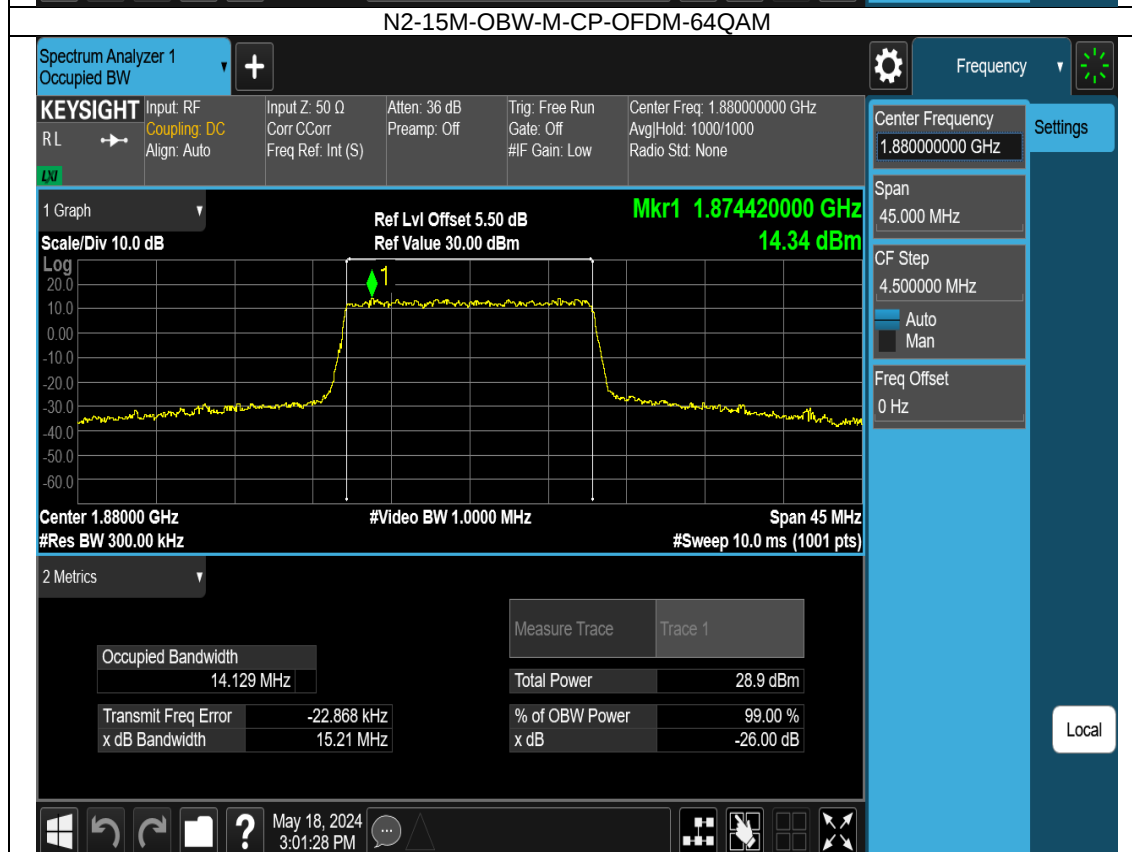
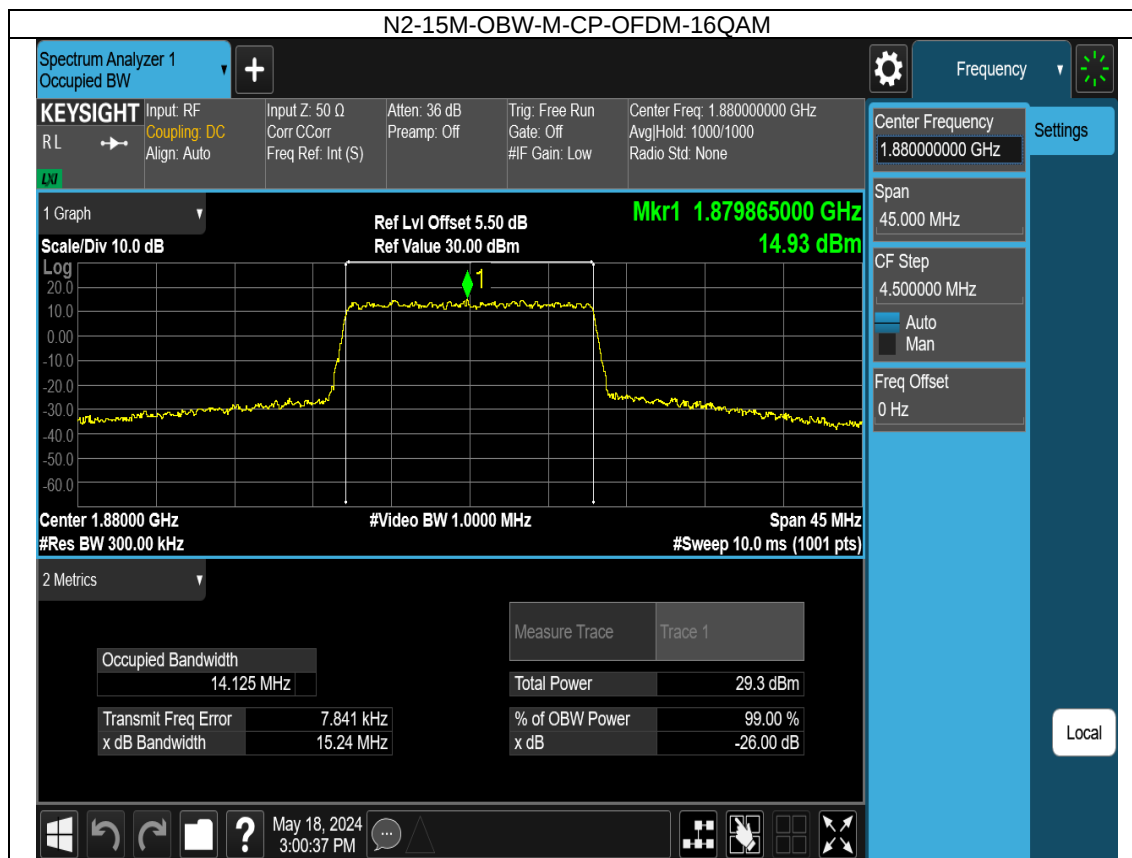


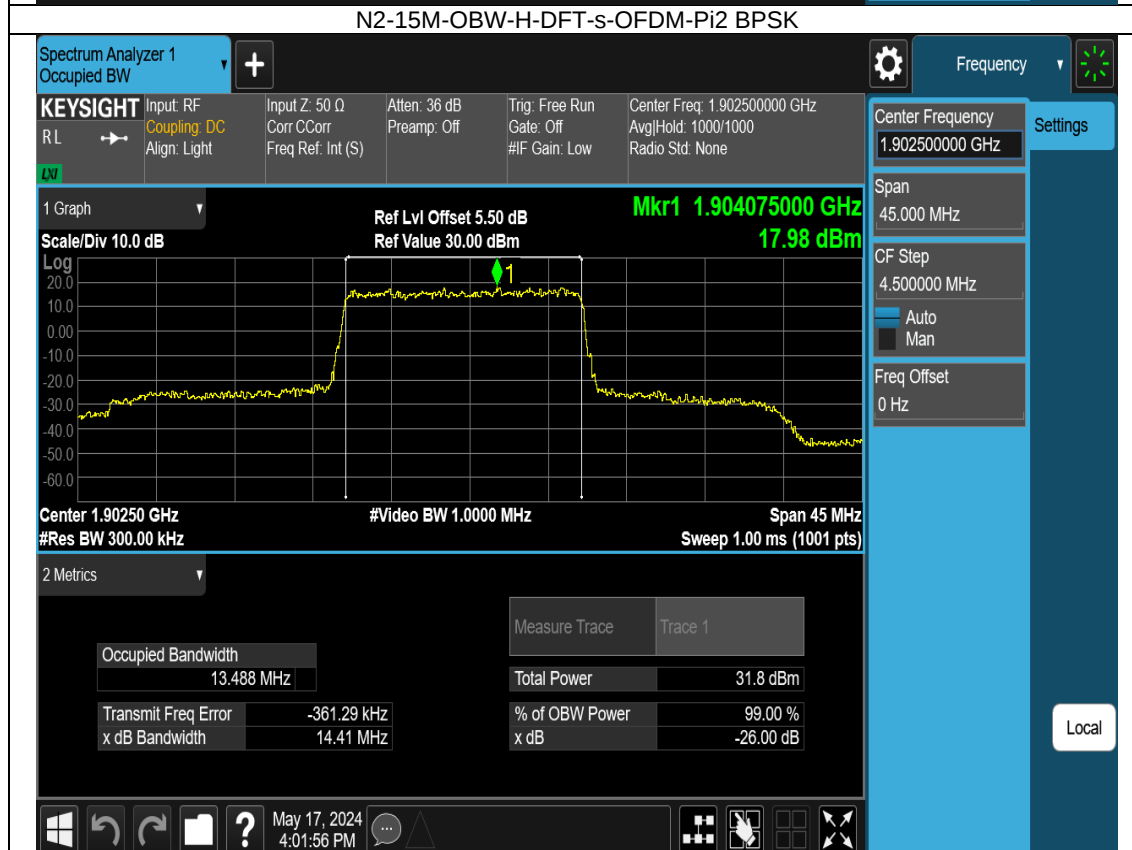
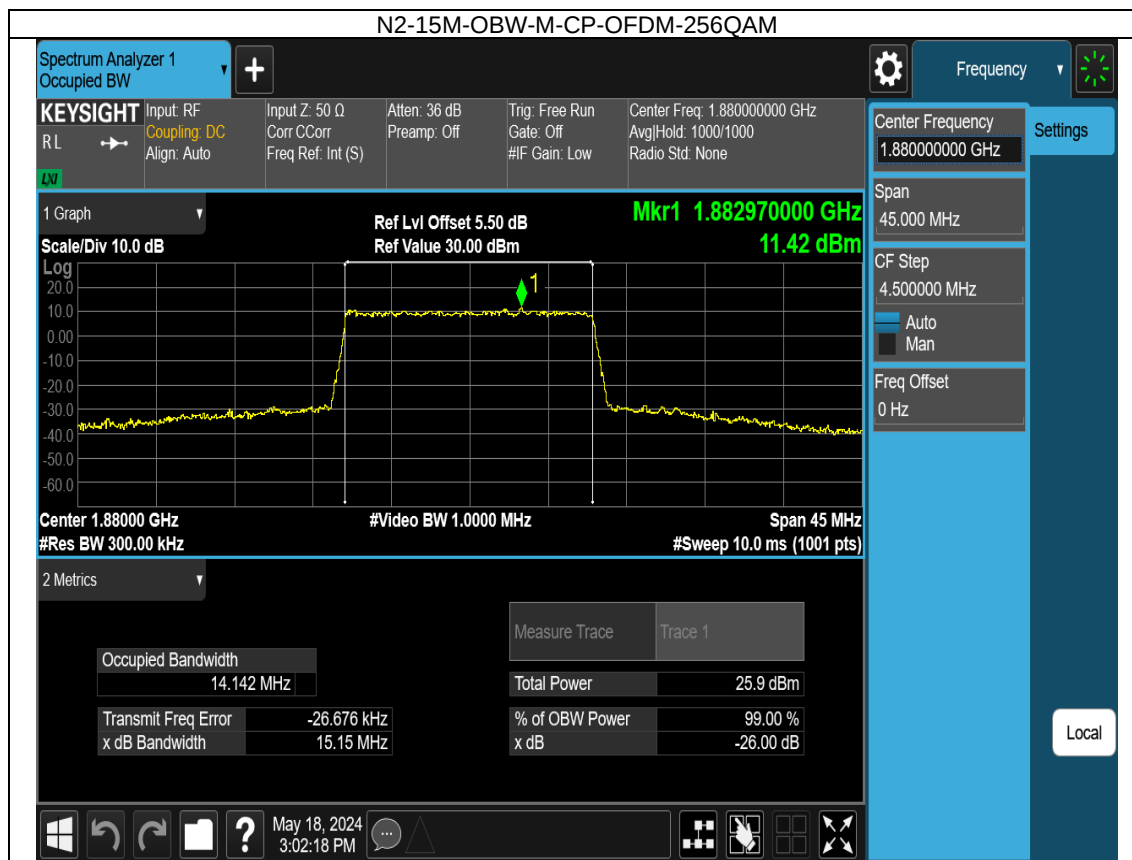
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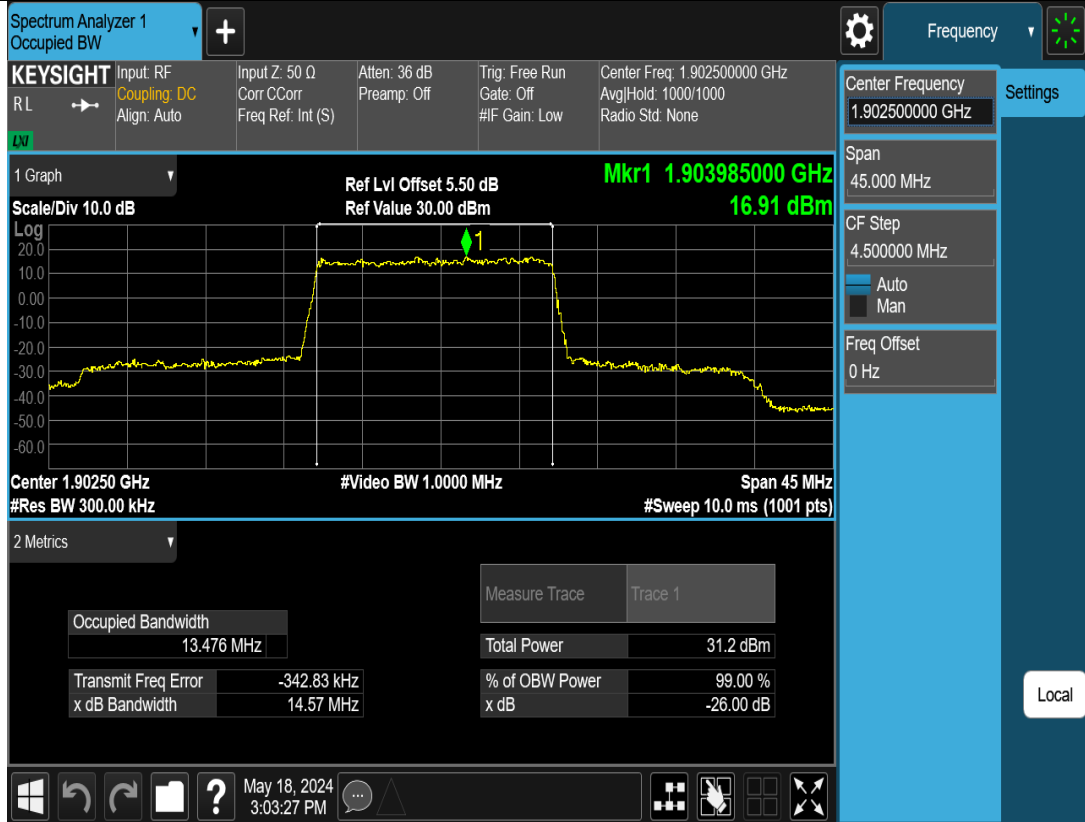
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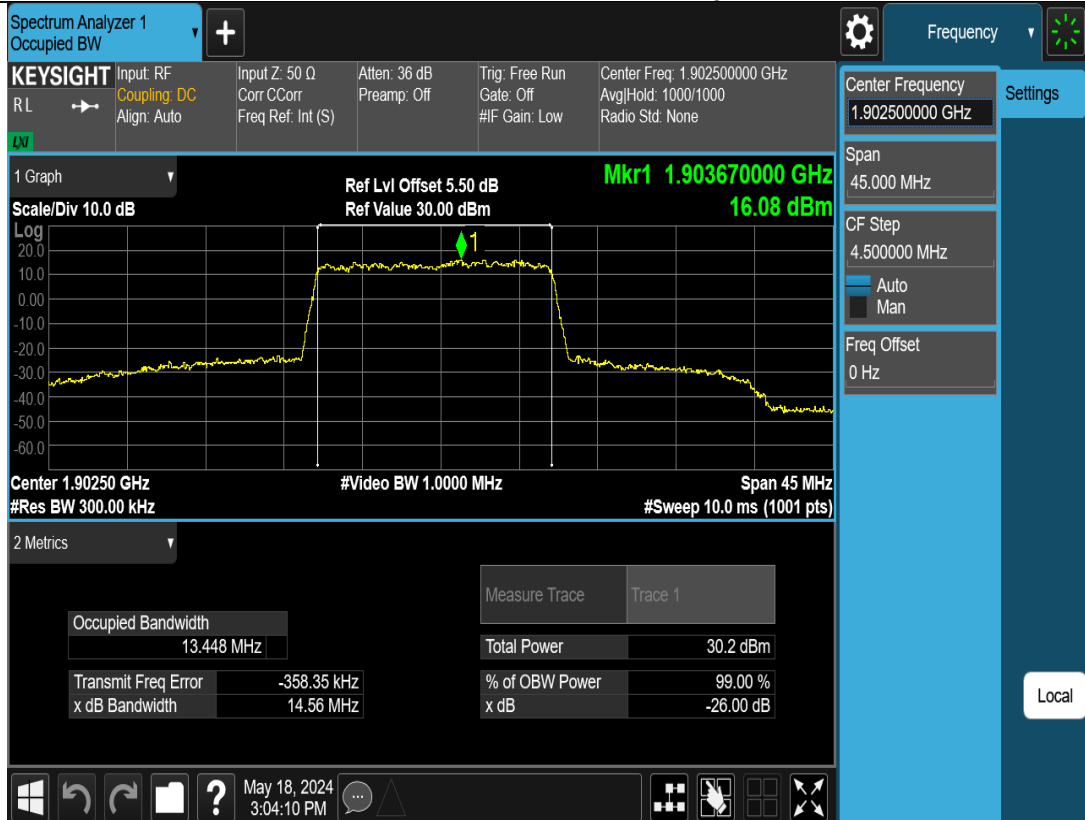




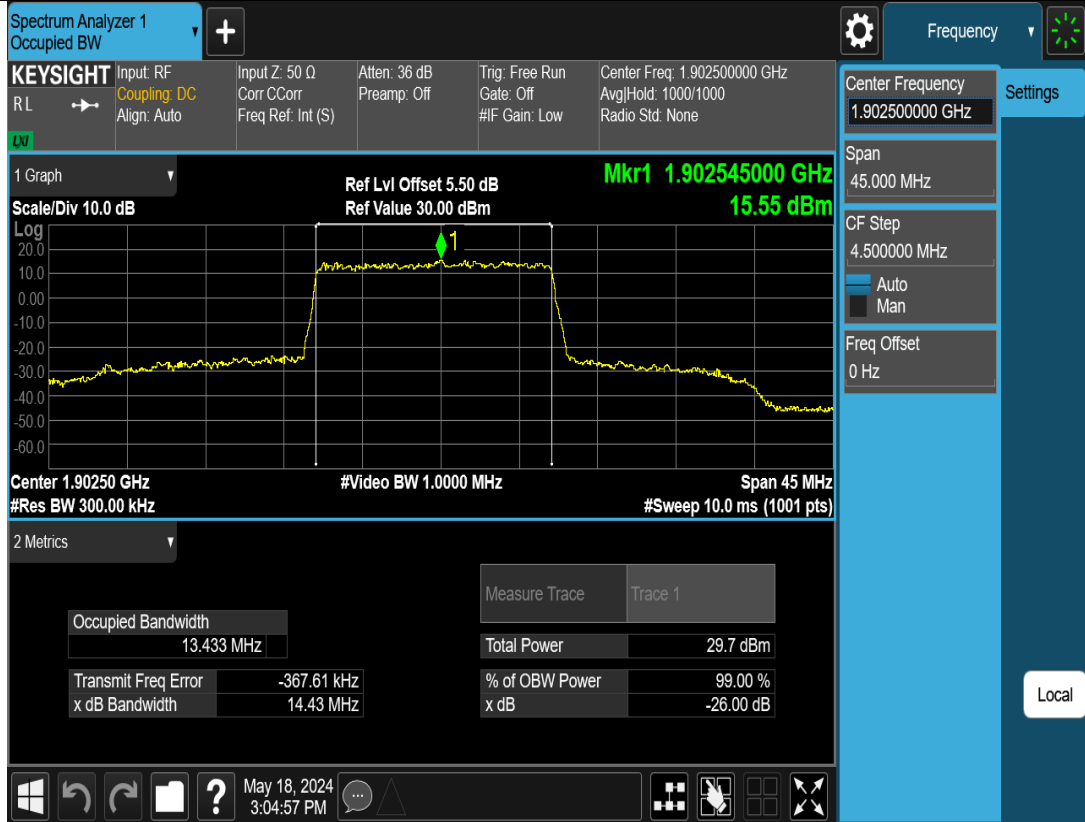
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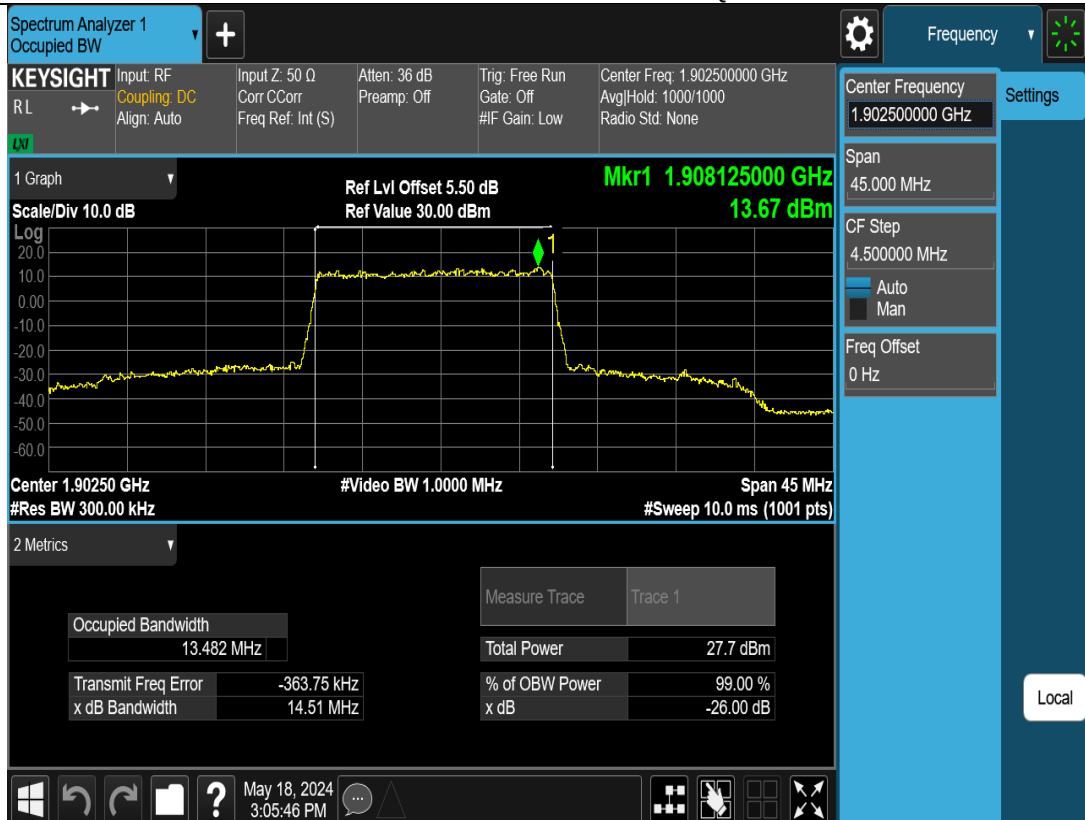
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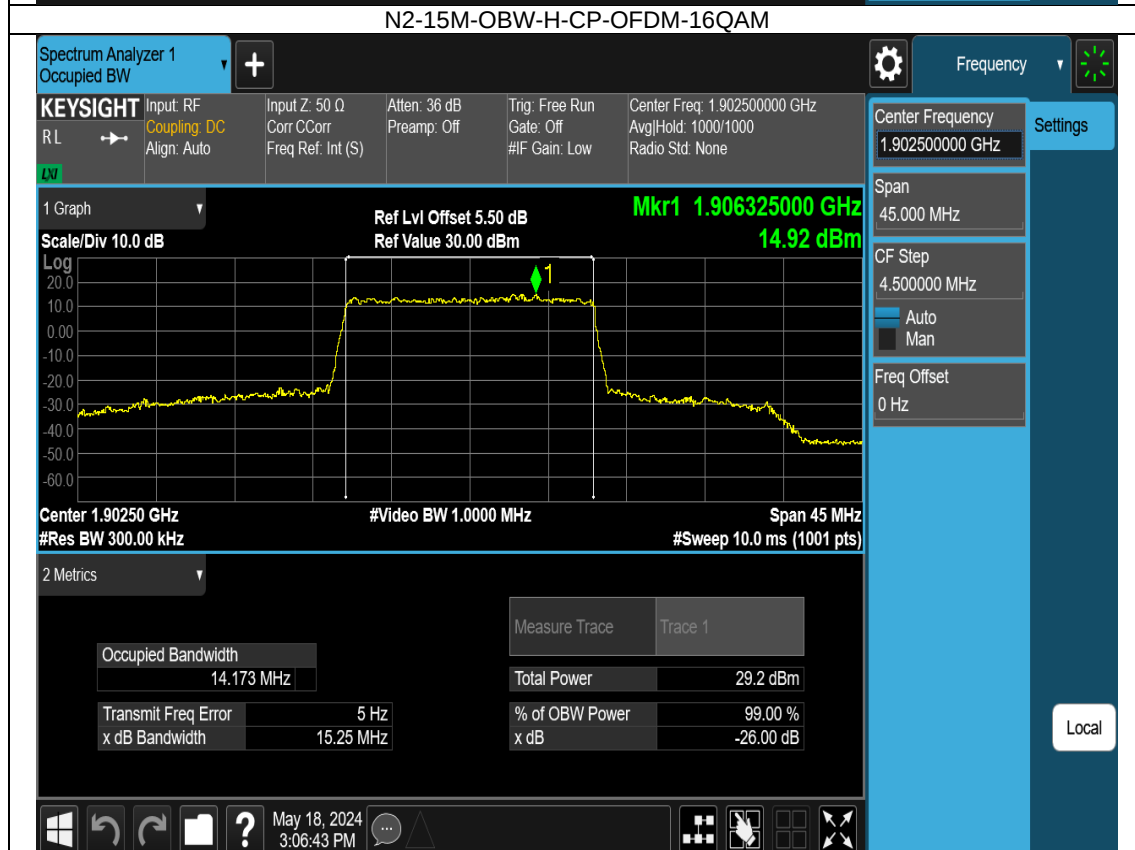
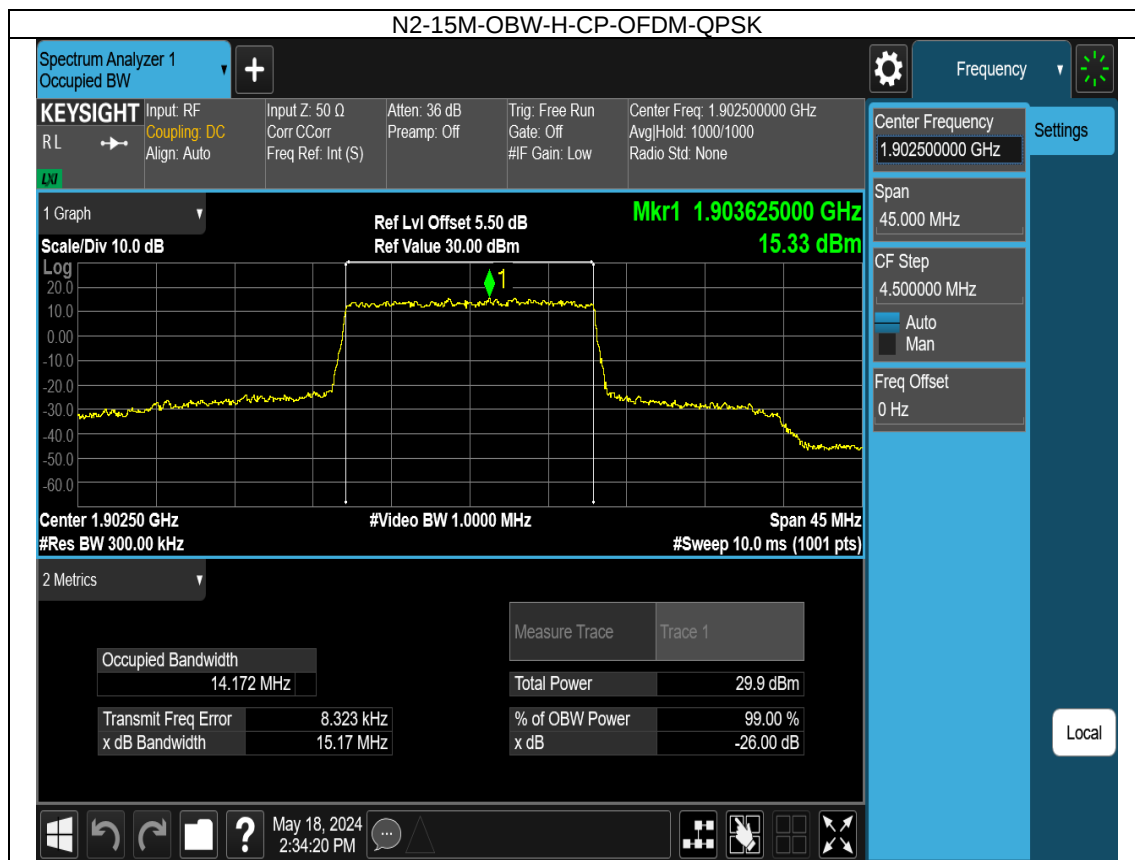


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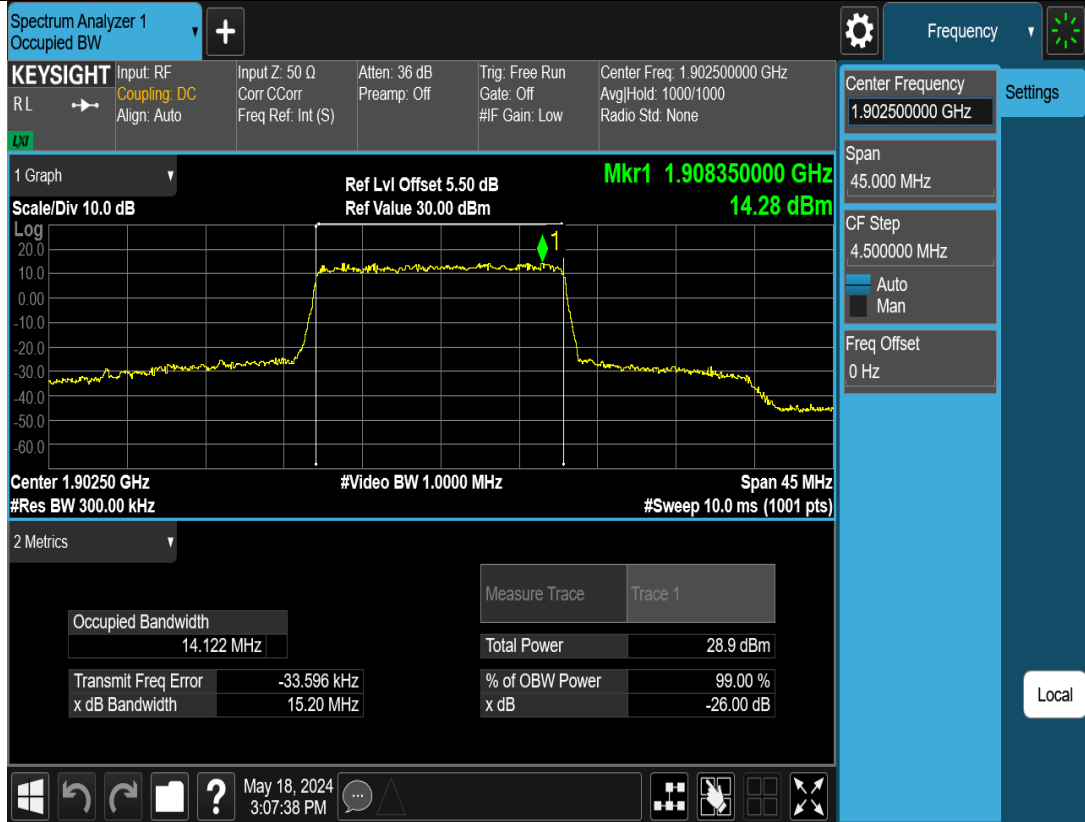


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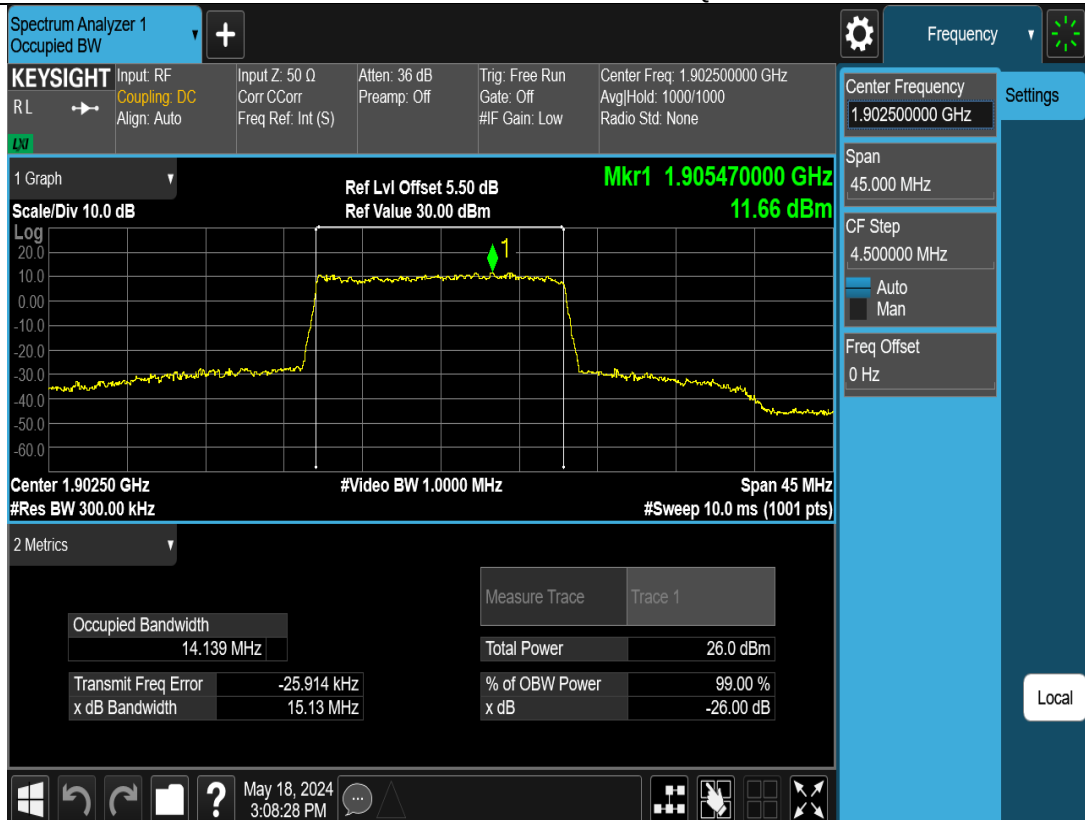


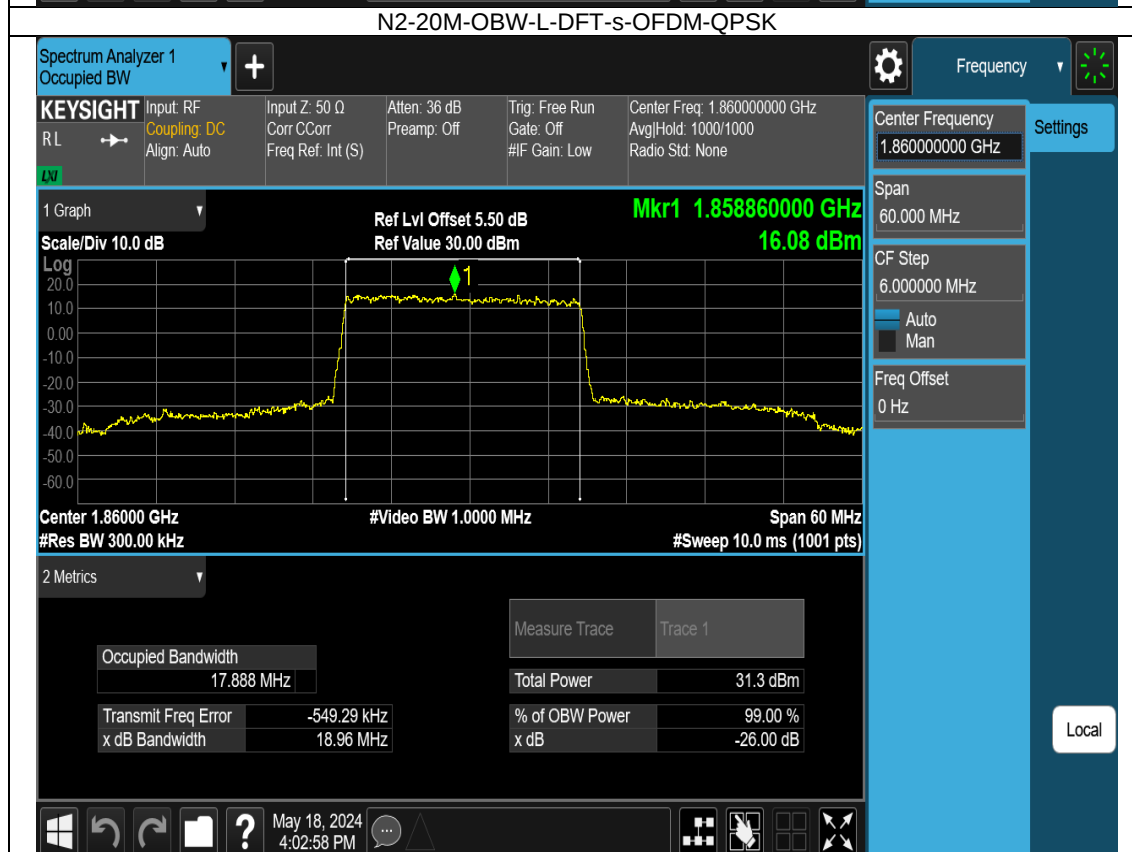
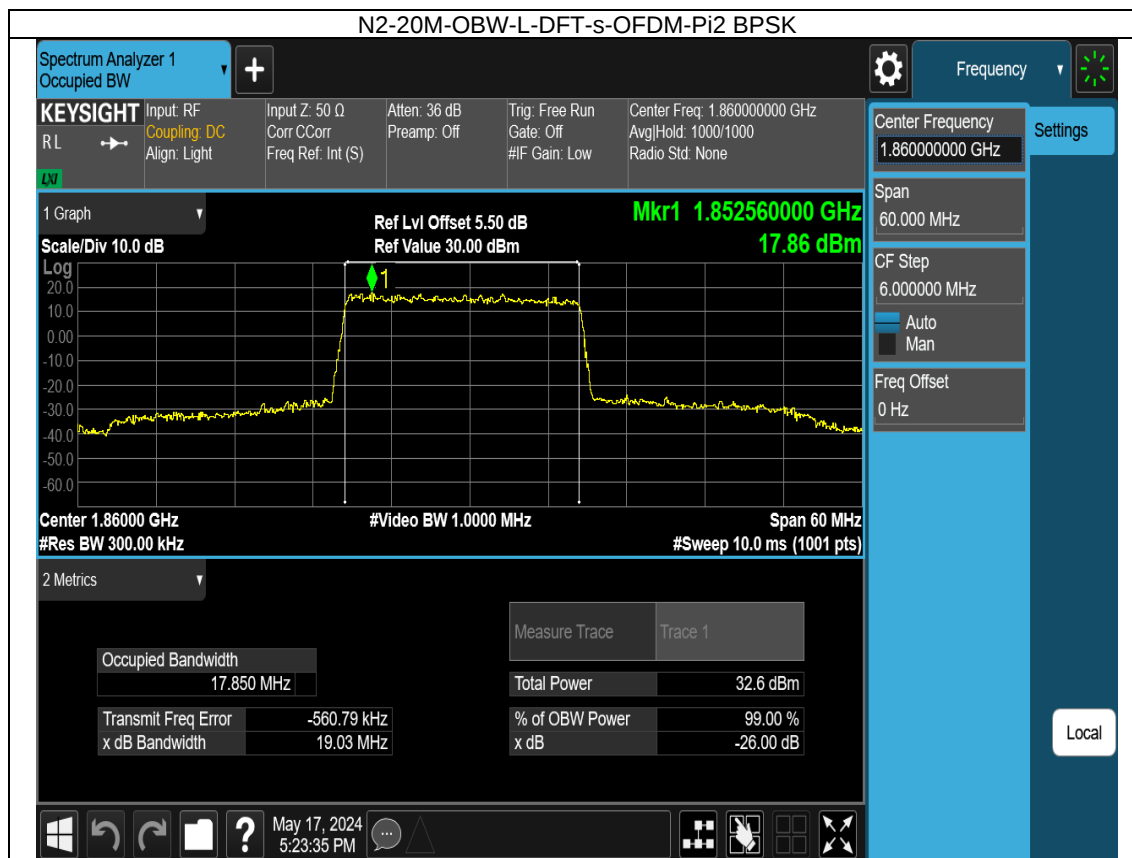


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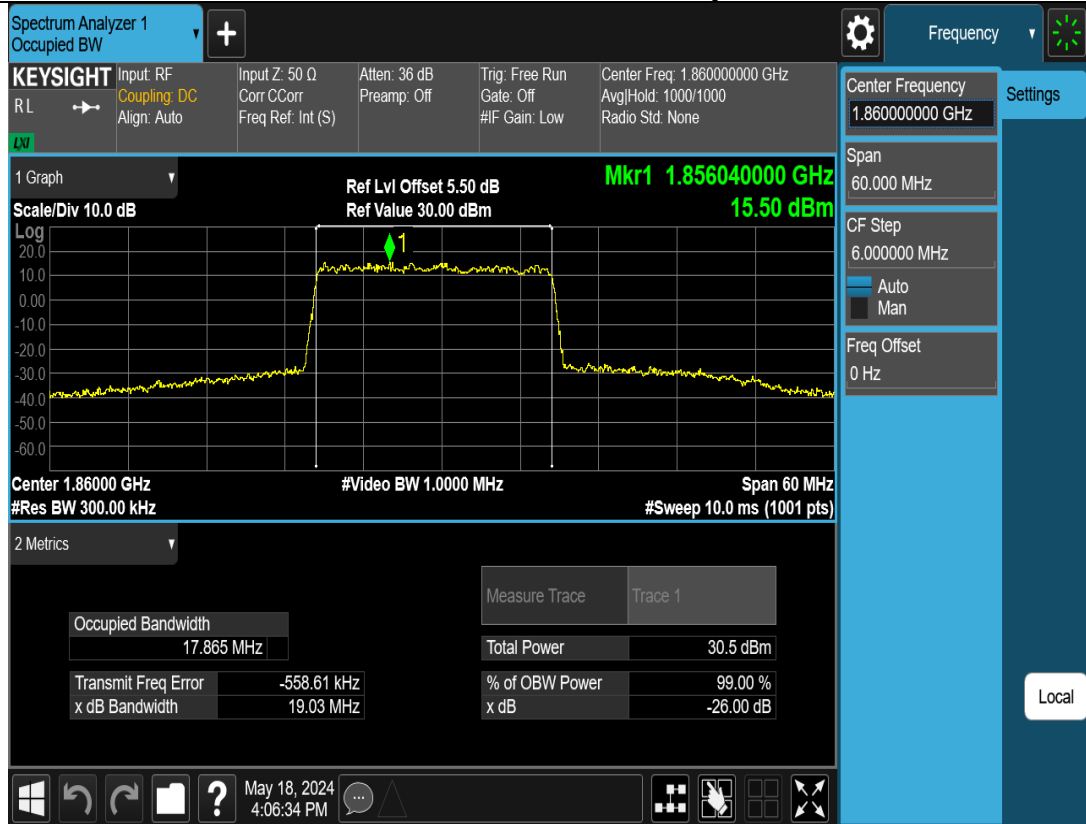


N2-15M-OBW-H-CP-OFDM-256QAM

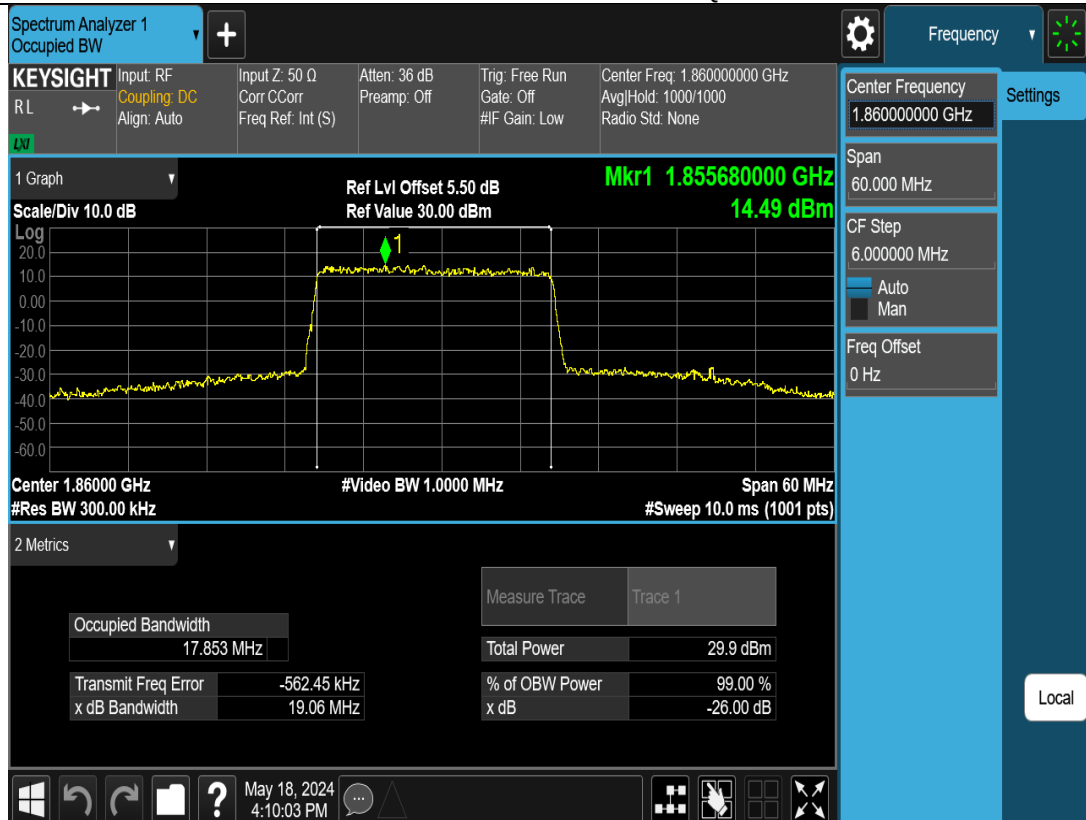


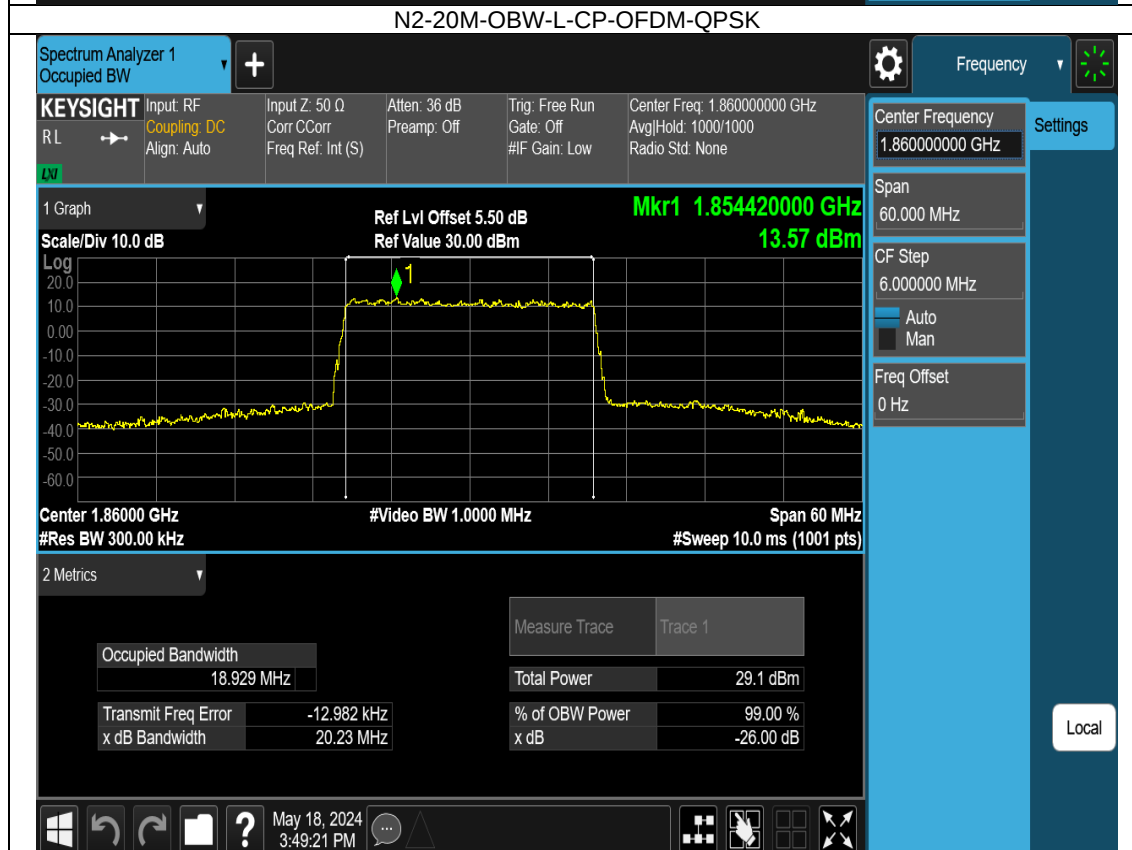
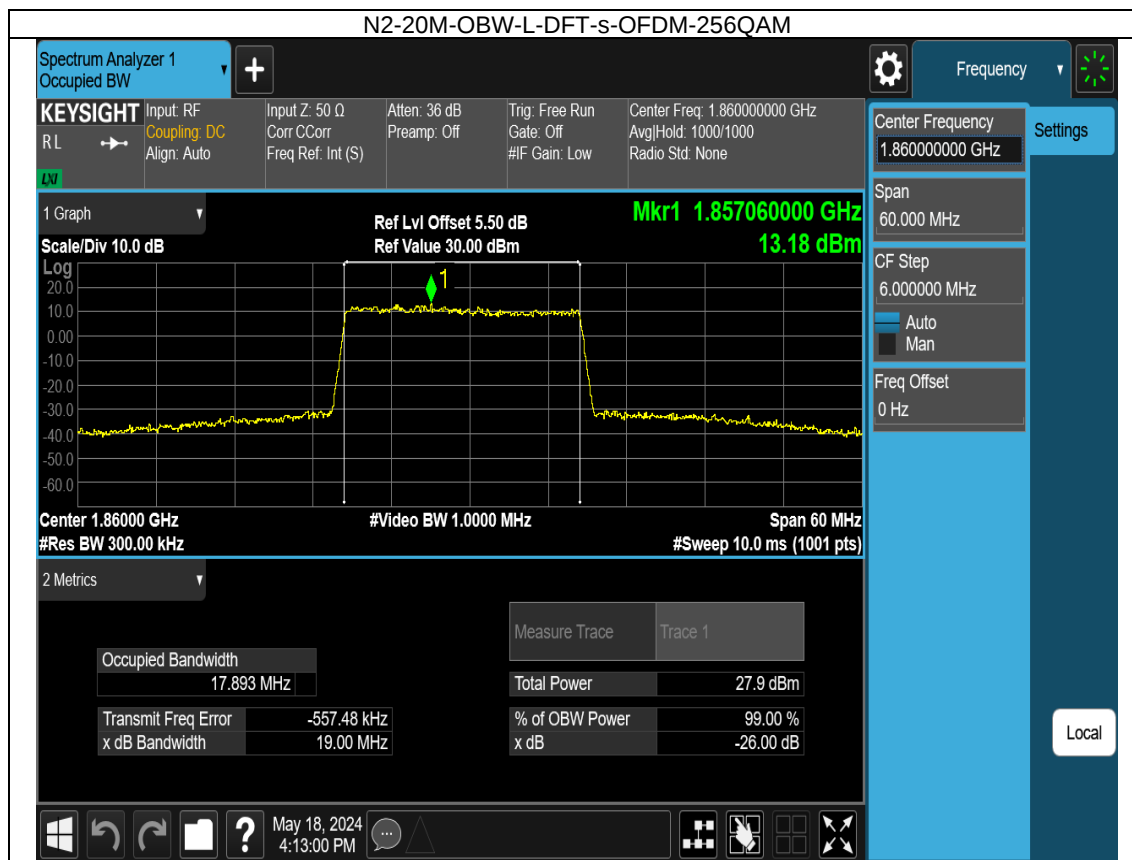


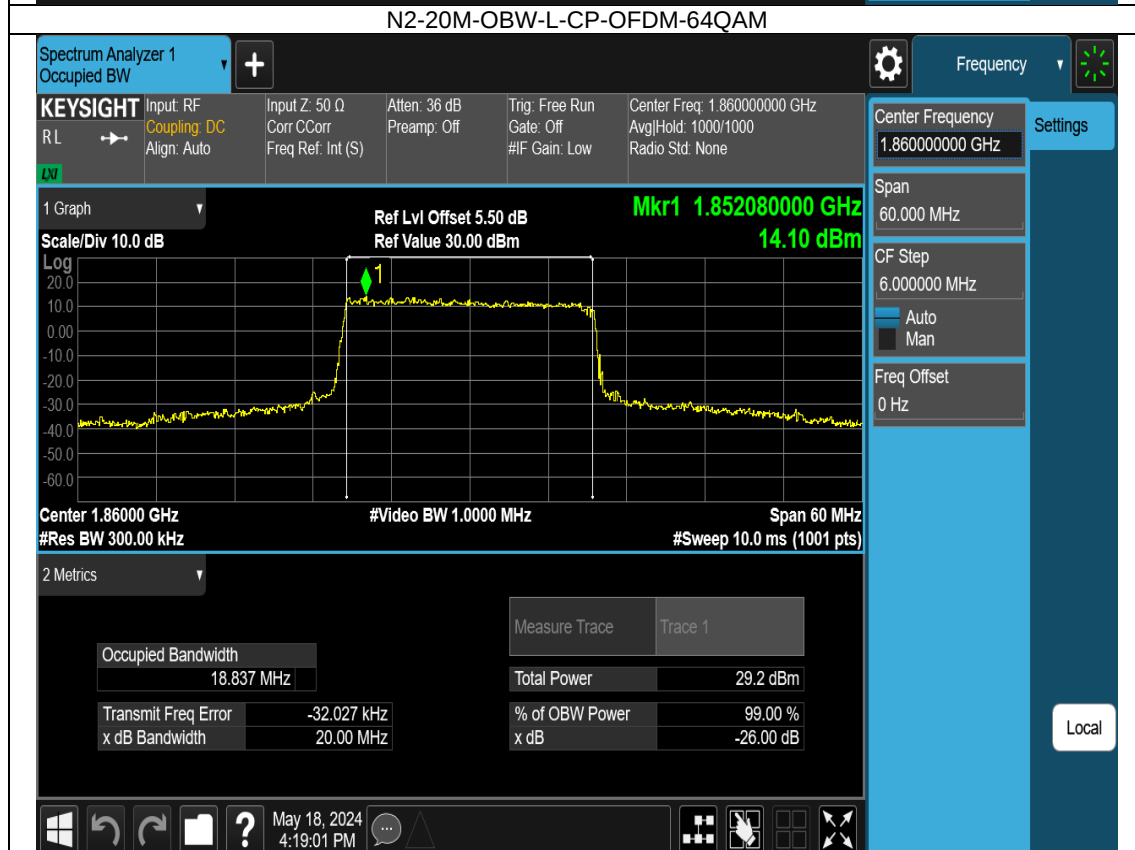
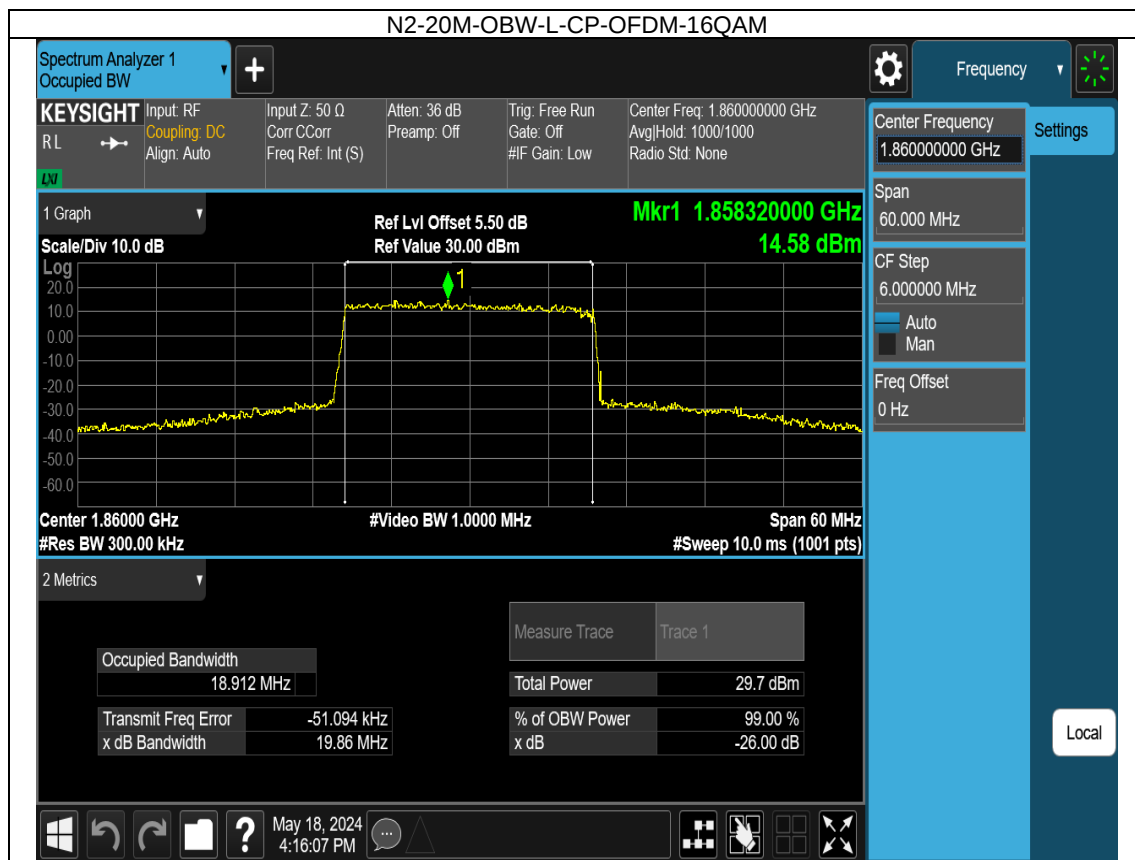
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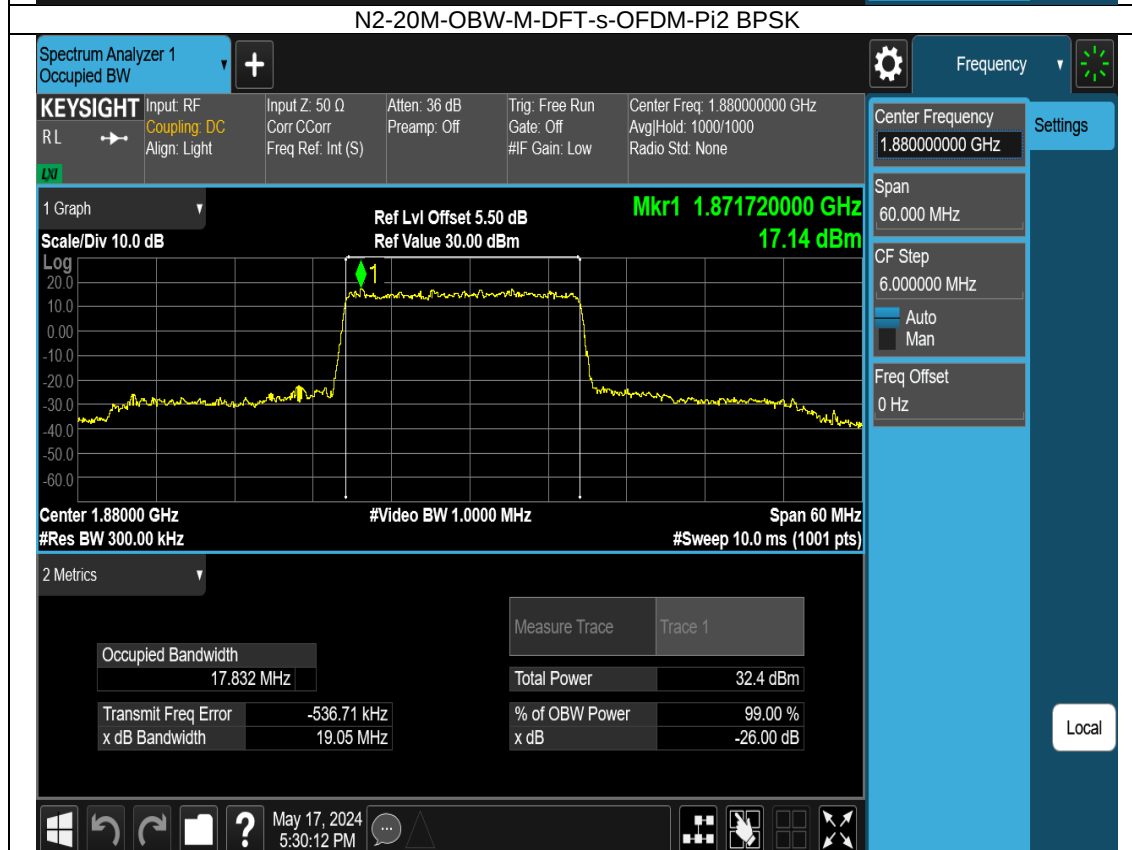
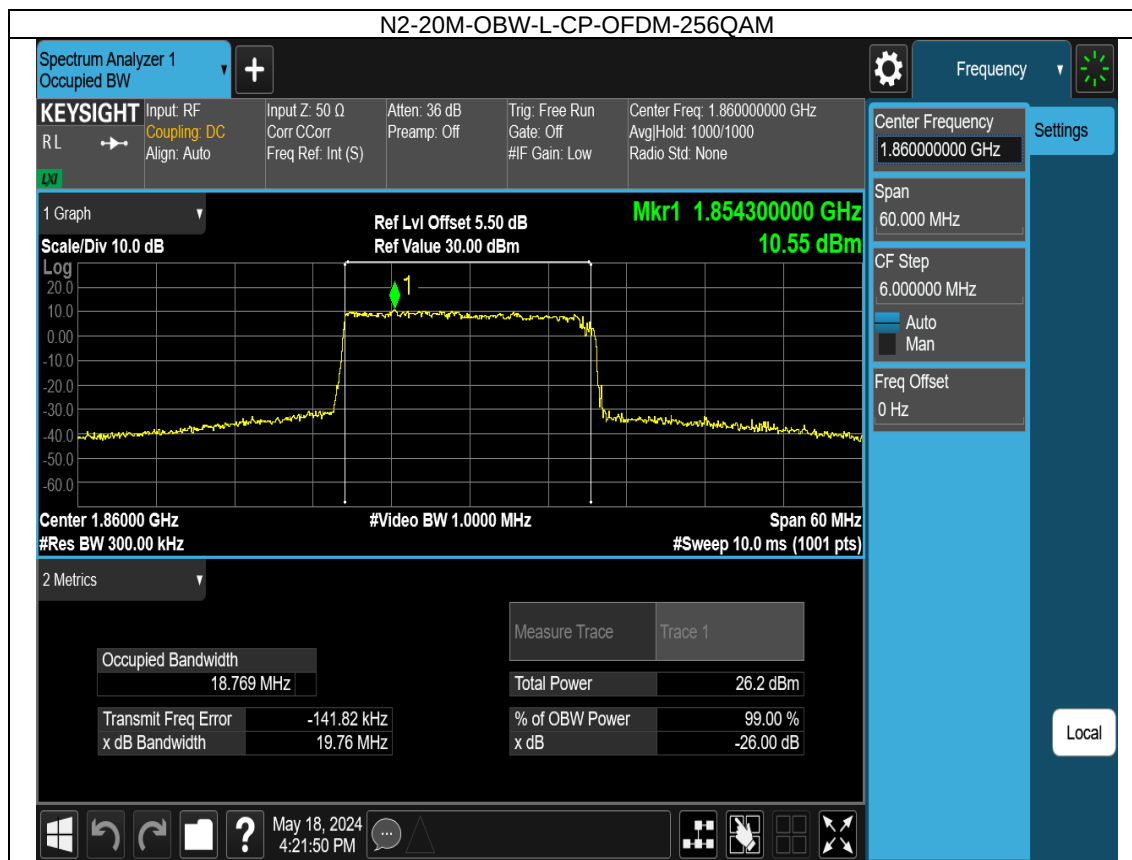


N2-20M-OBW-L-DFT-s-OFDM-64QAM

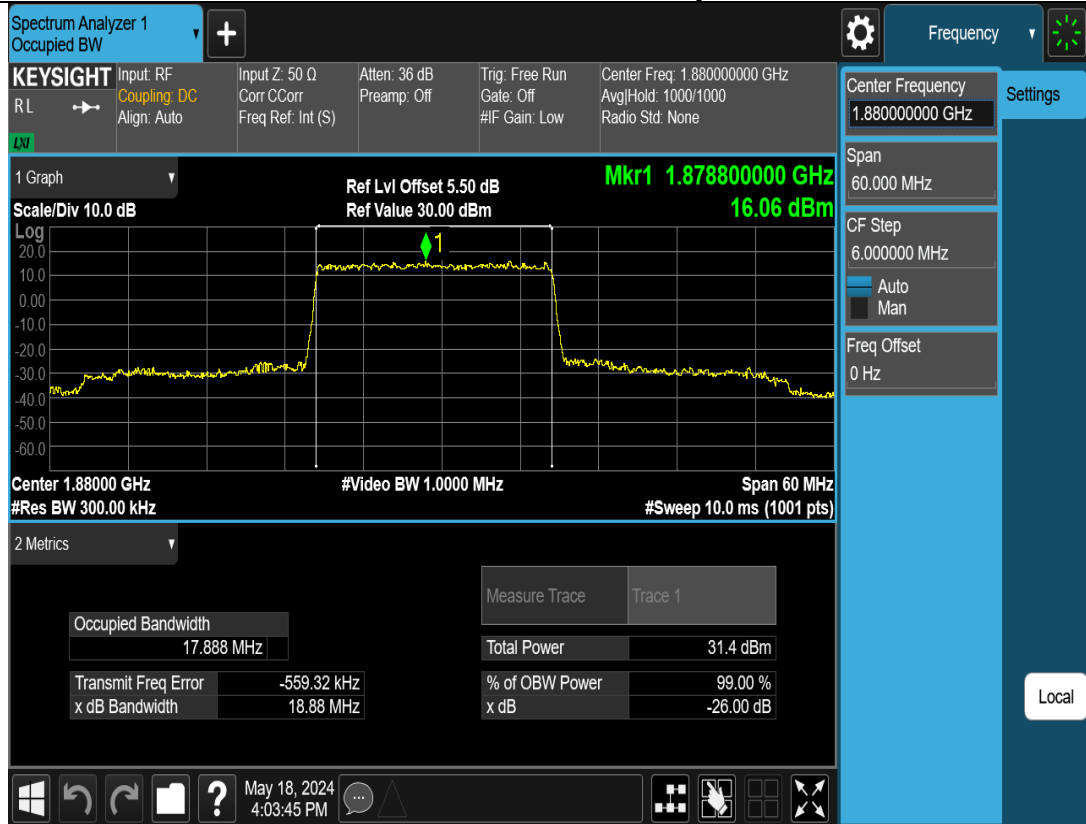




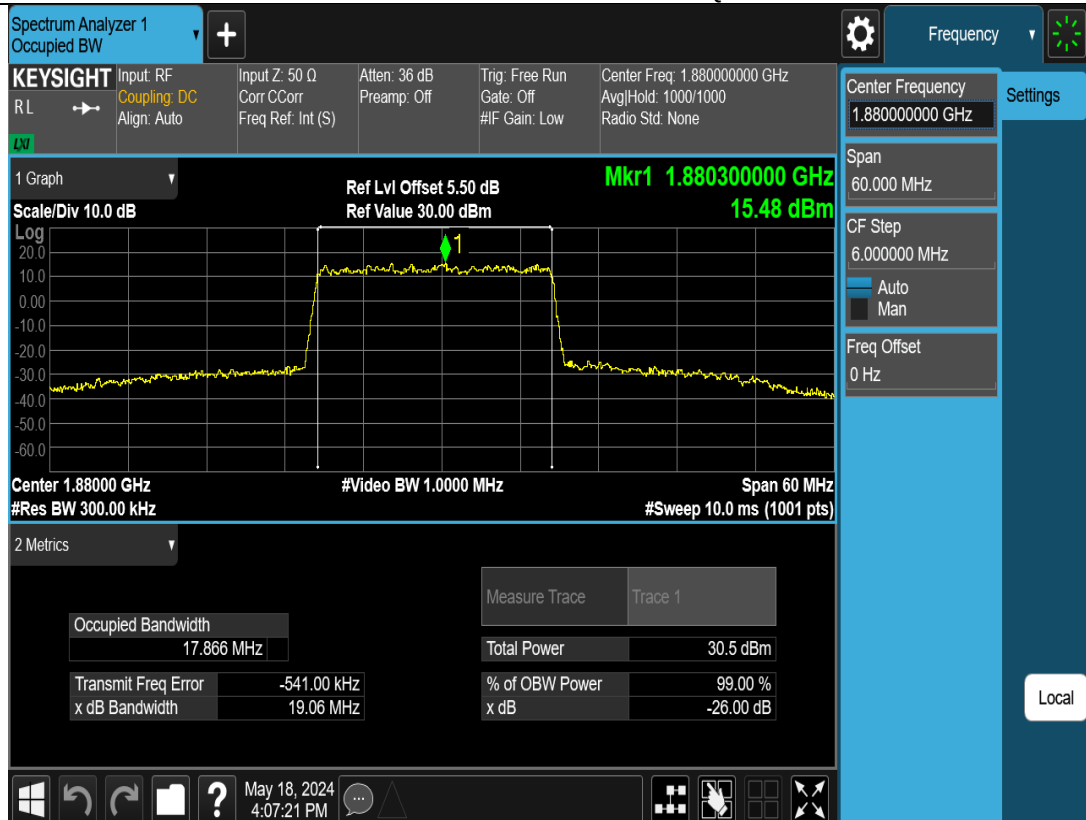




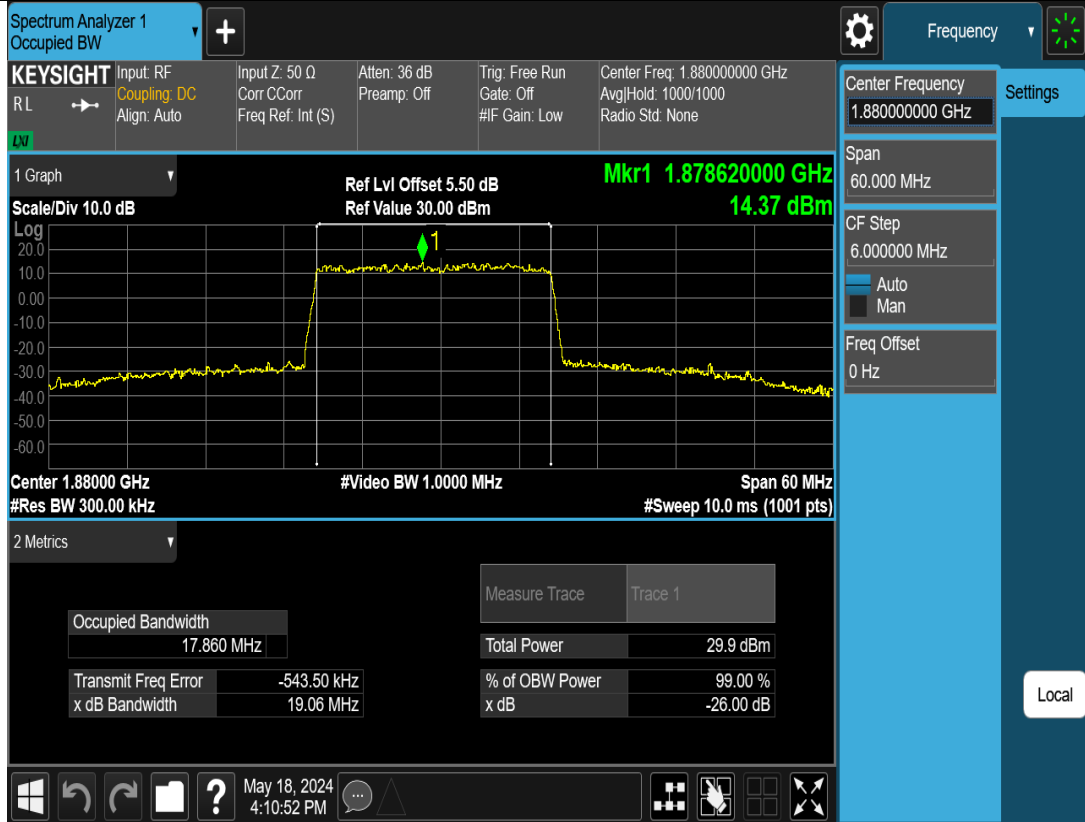
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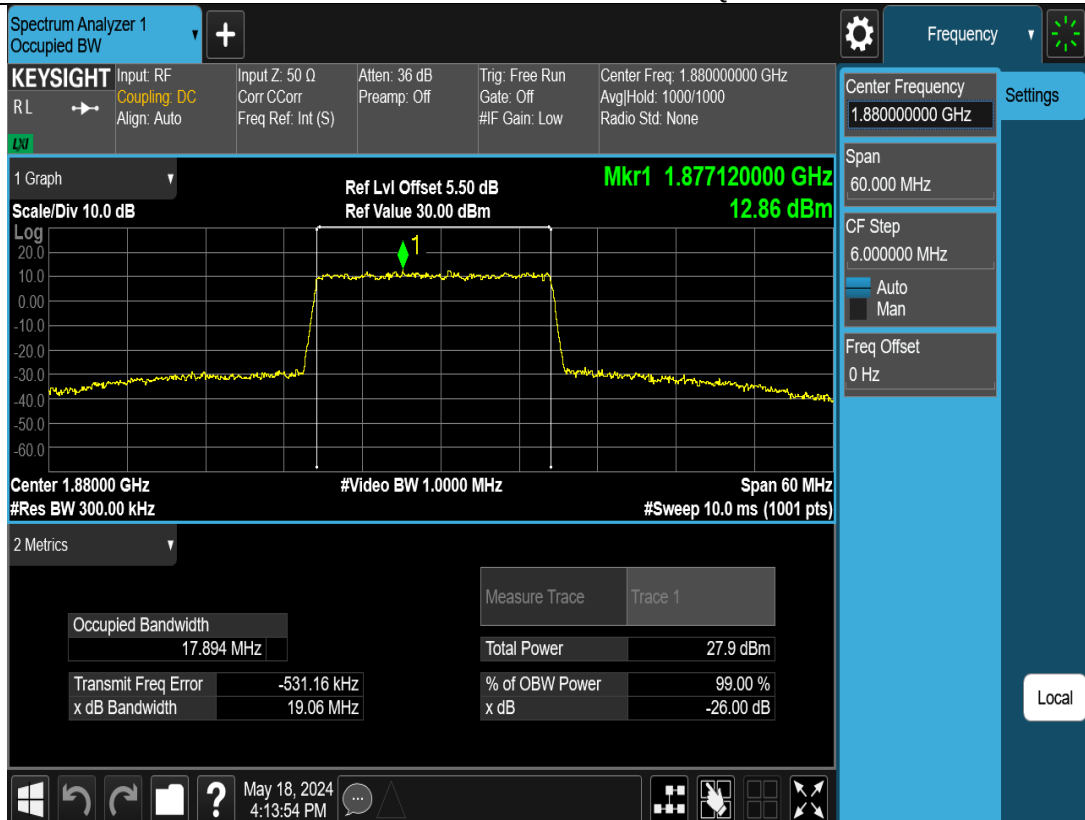
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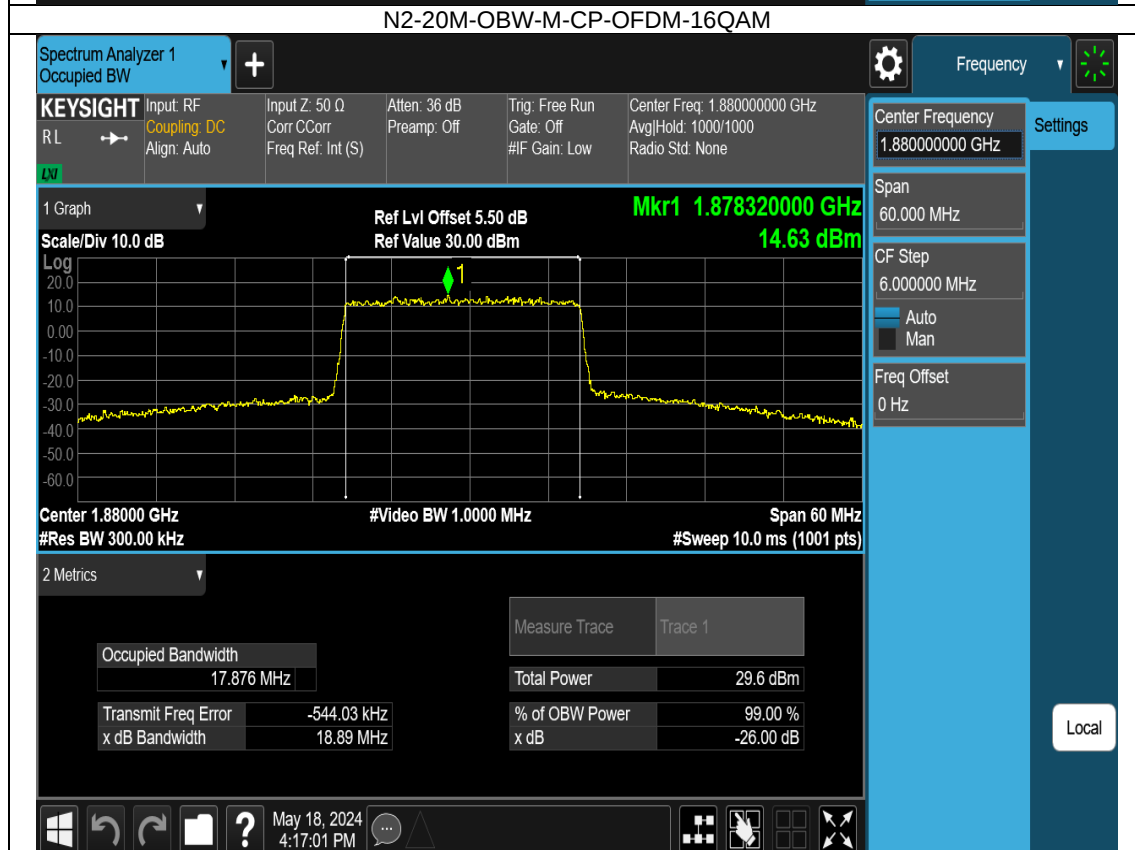
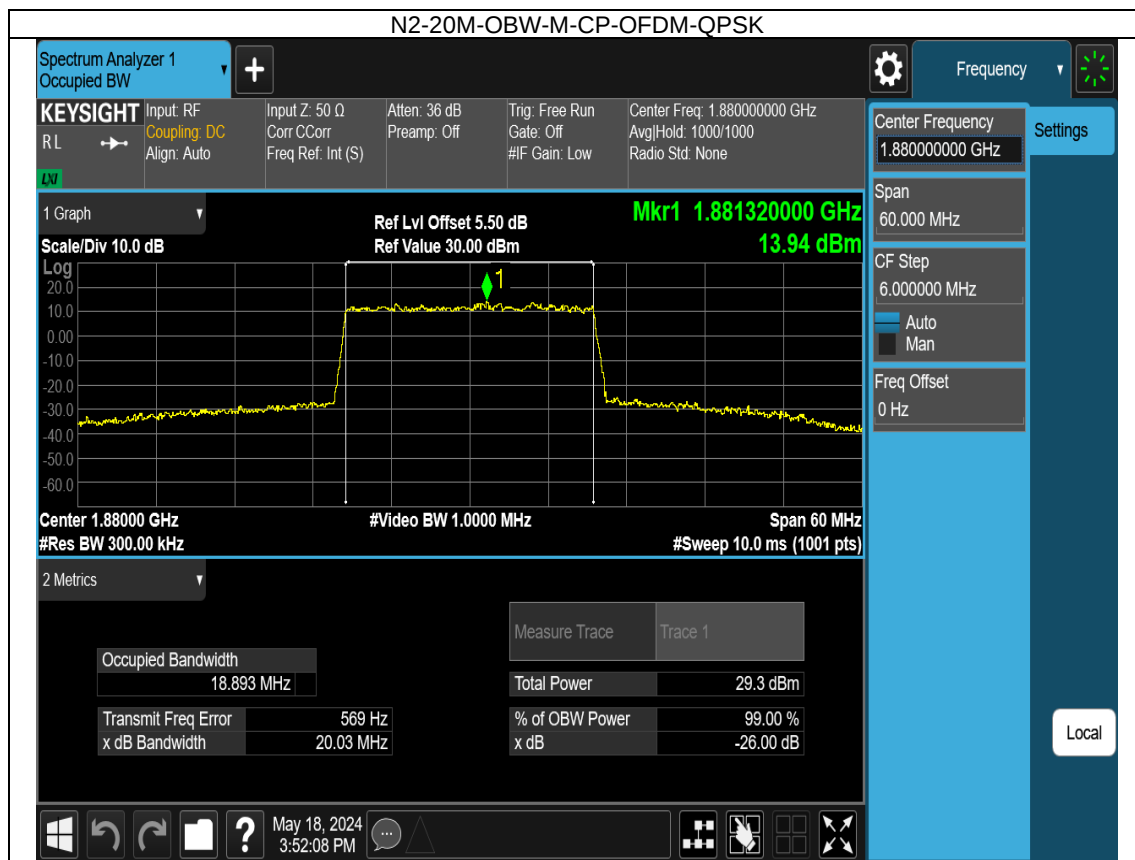


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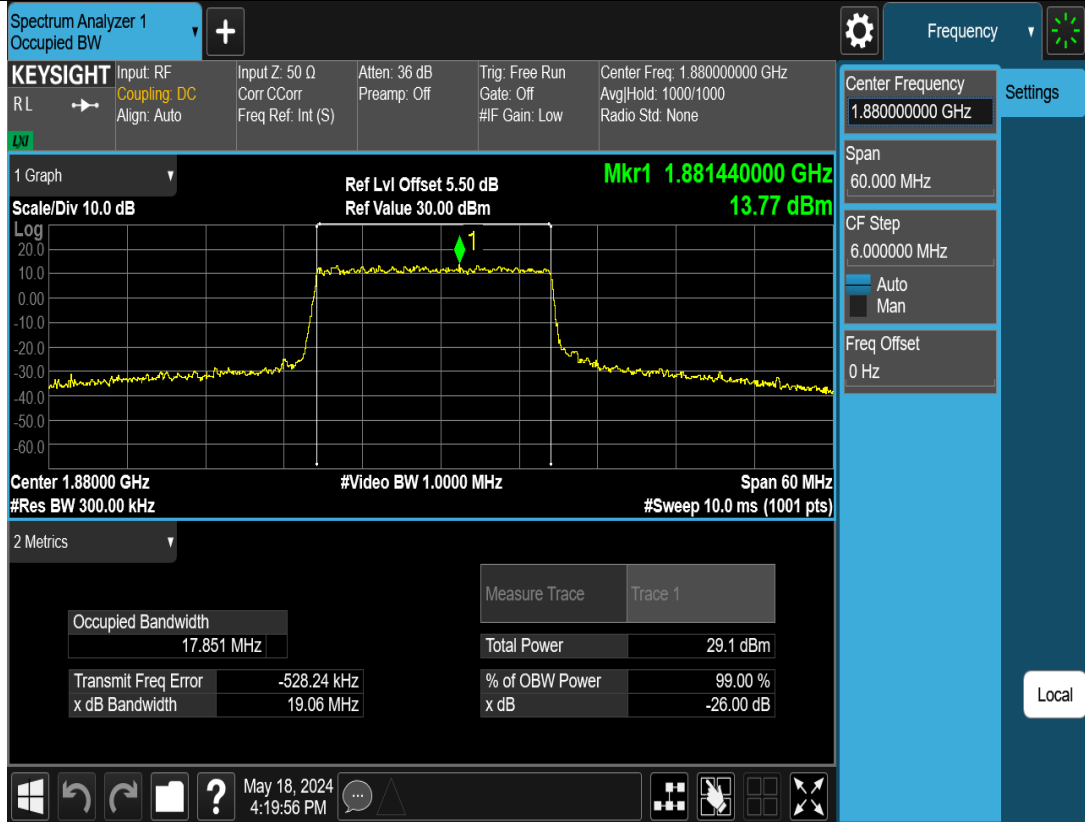


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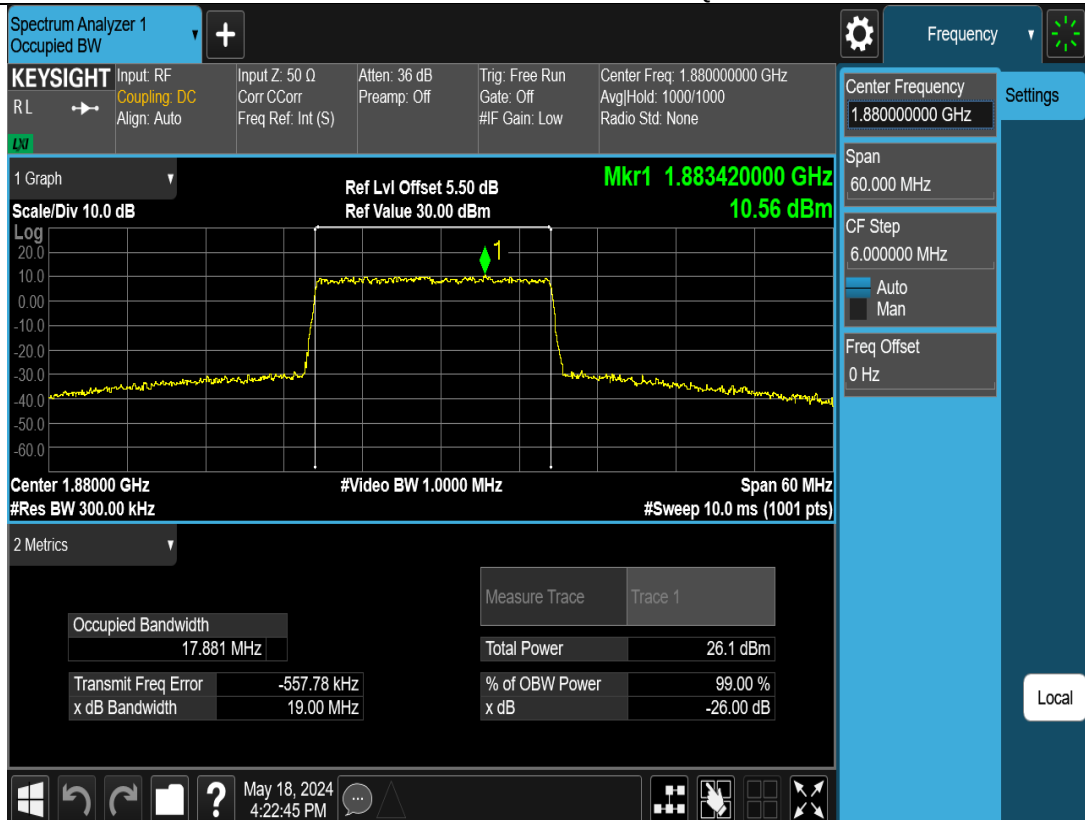


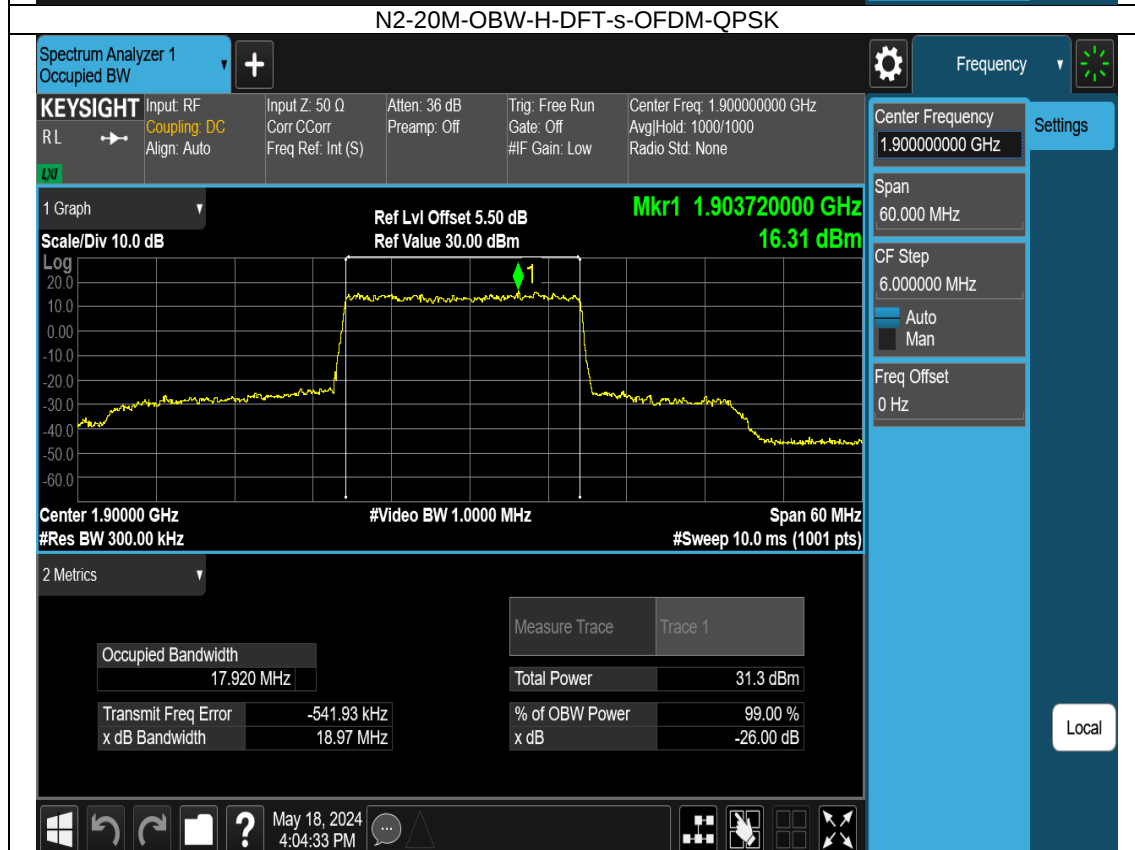
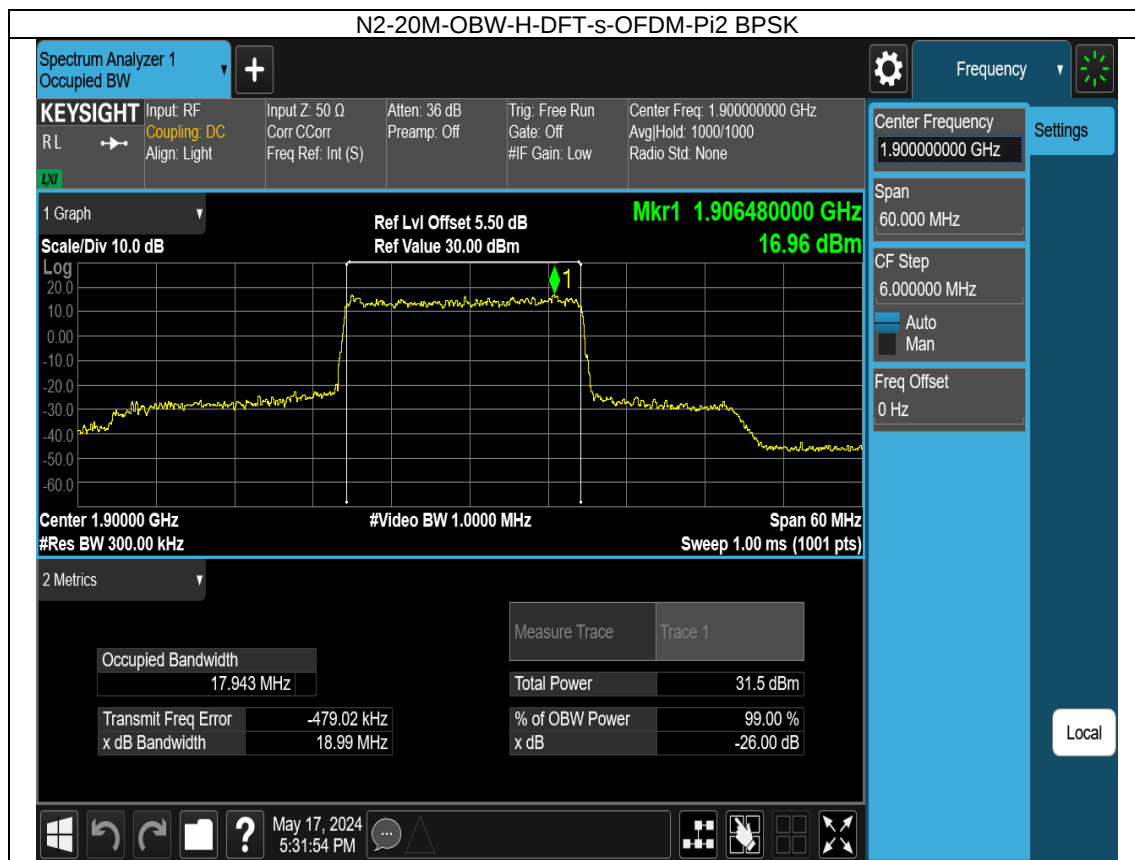


N2-20M-OBW-M-CP-OFDM-64QAM

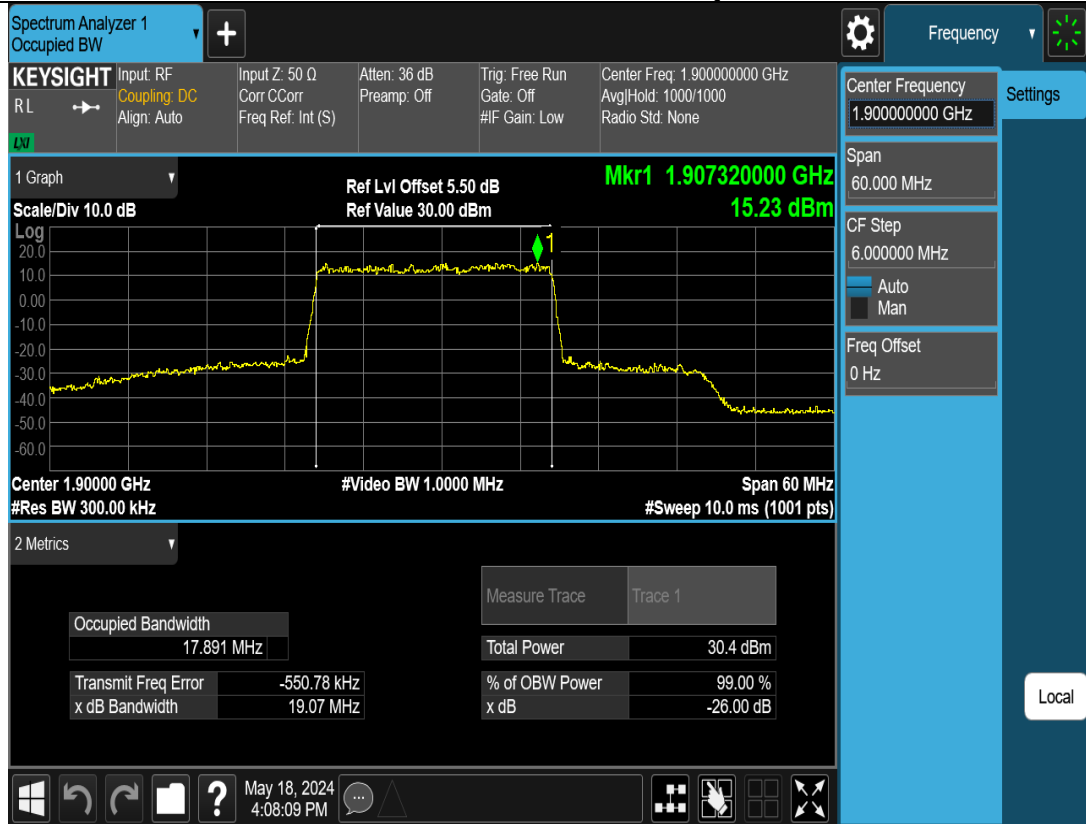


N2-20M-OBW-M-CP-OFDM-256QAM

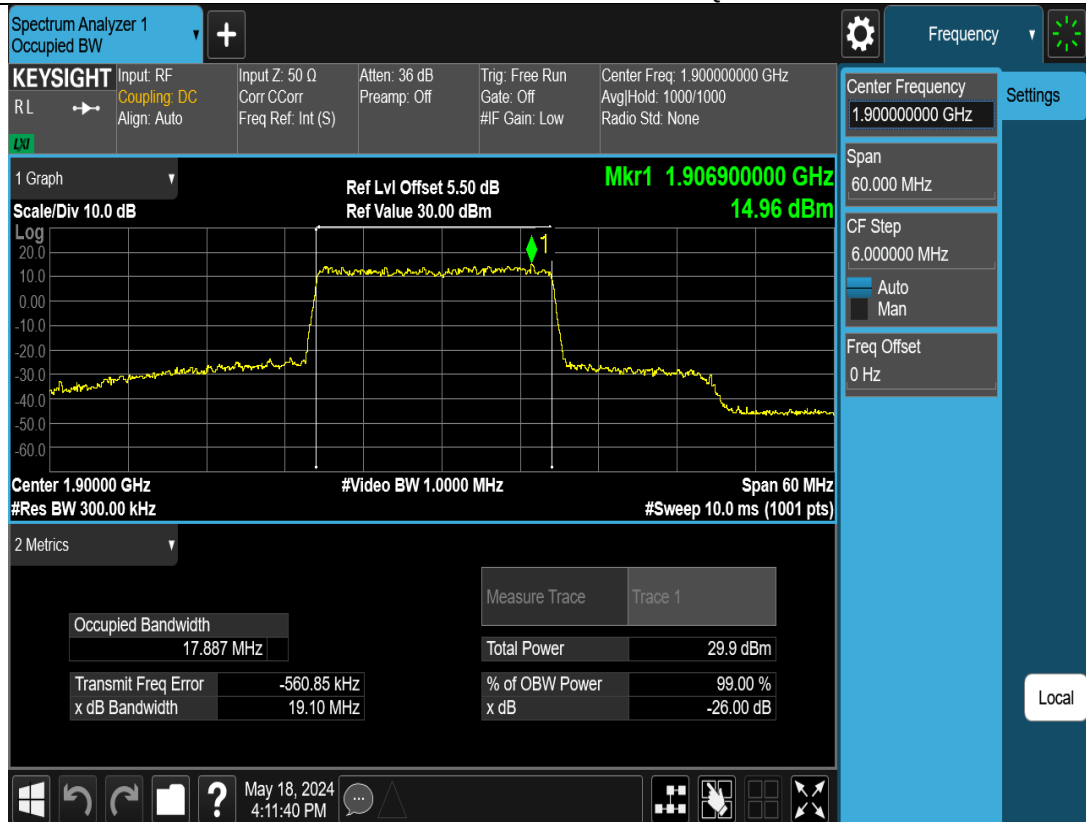




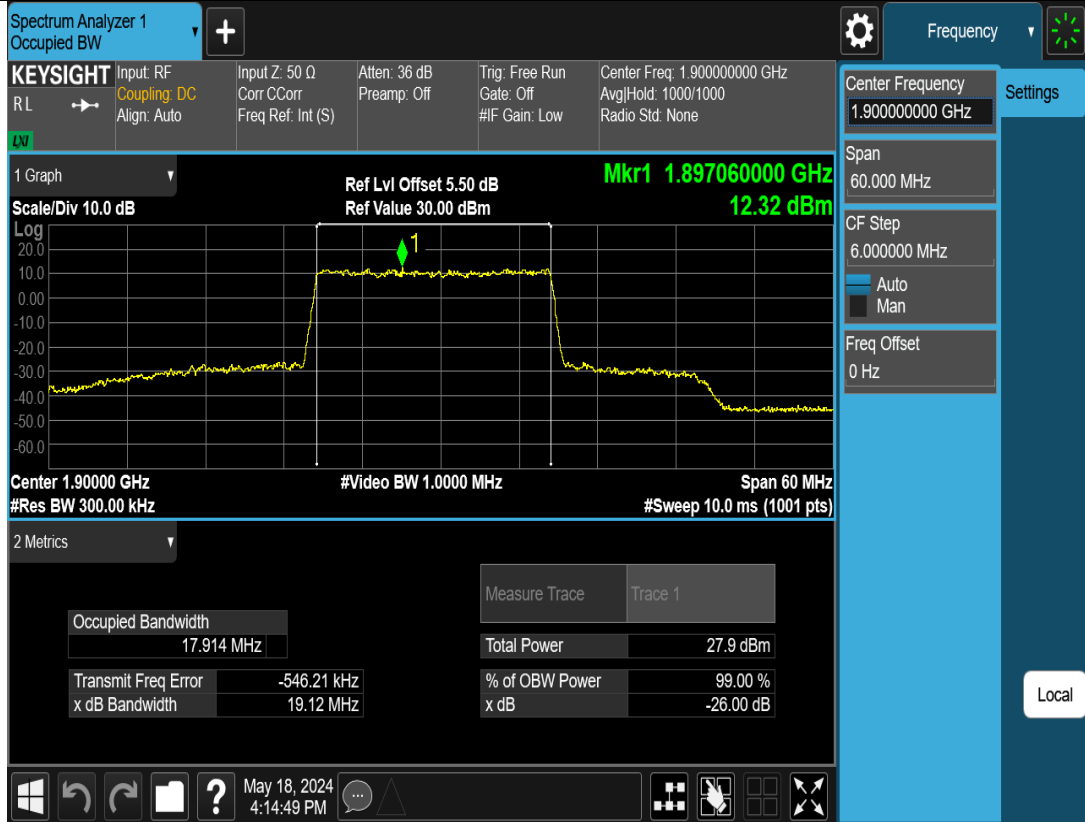
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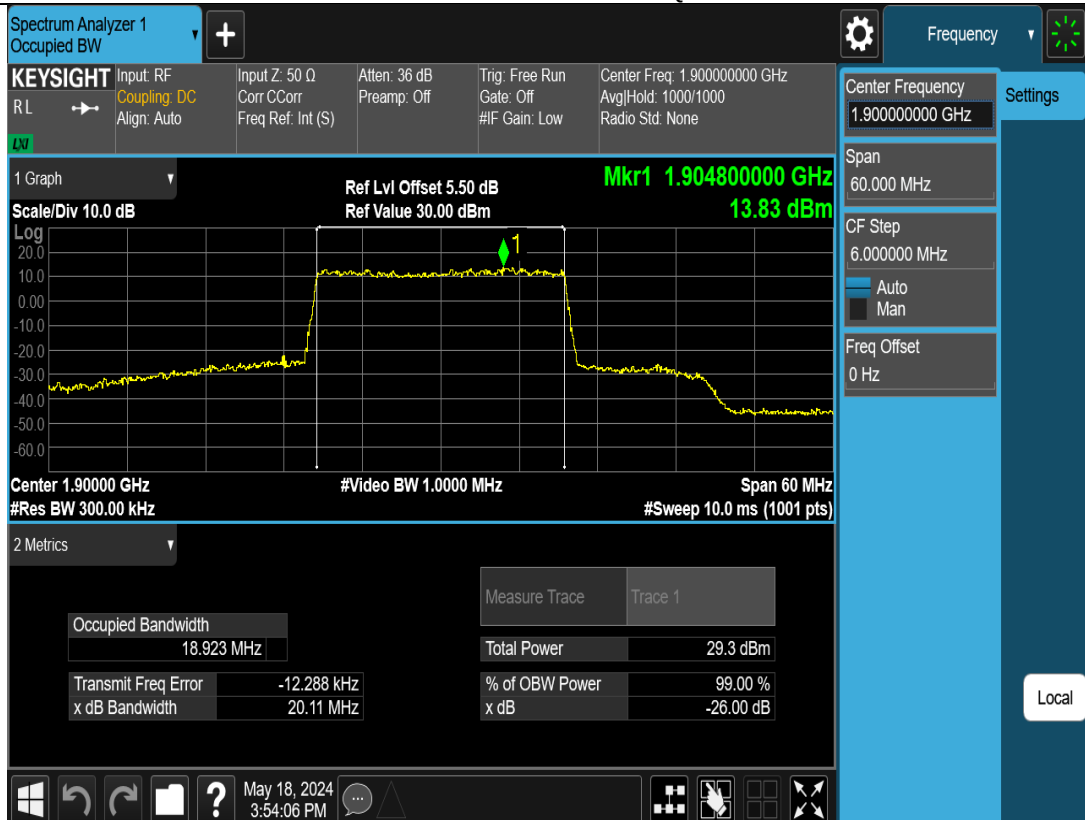
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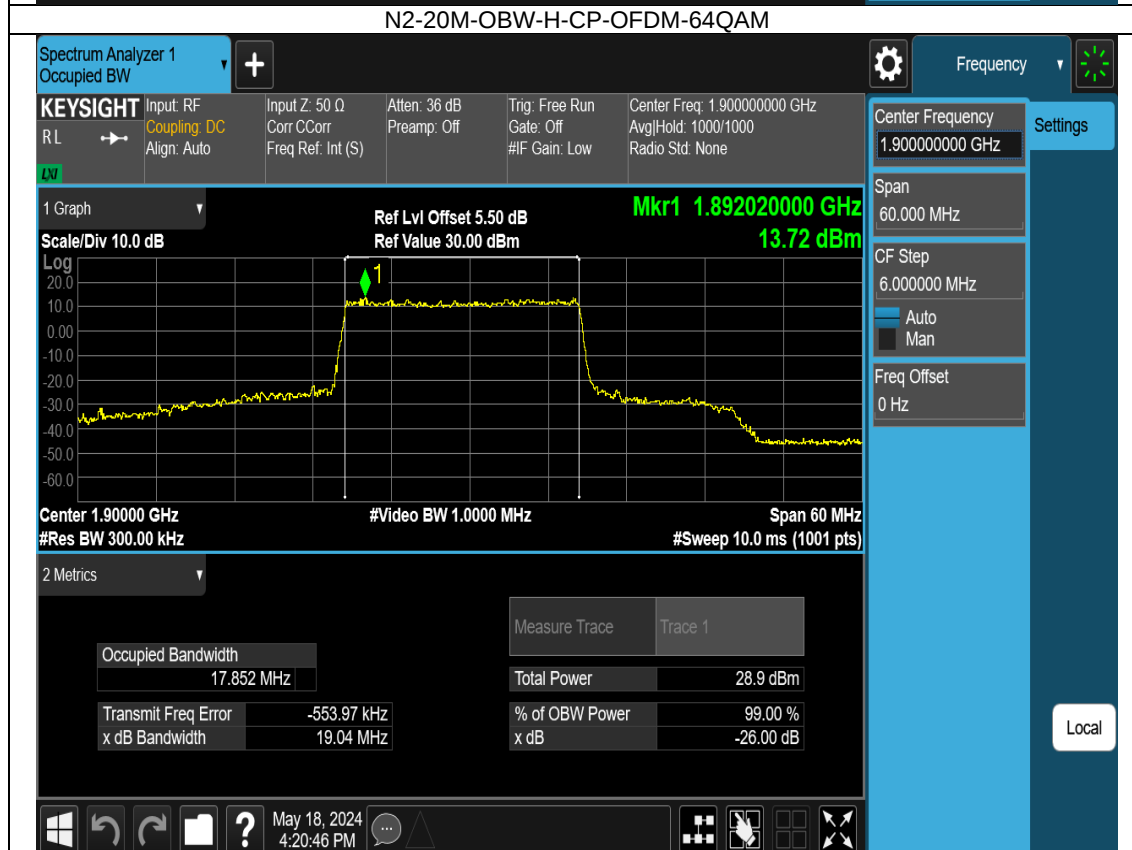
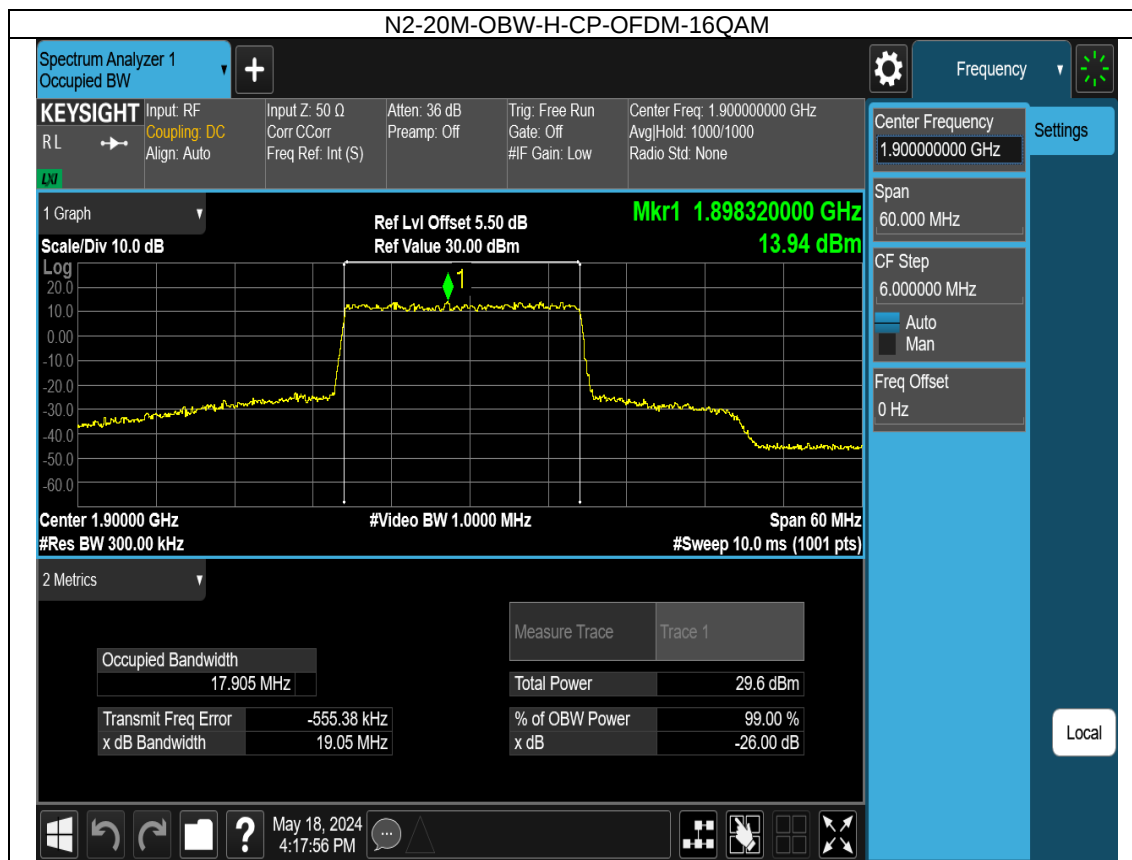


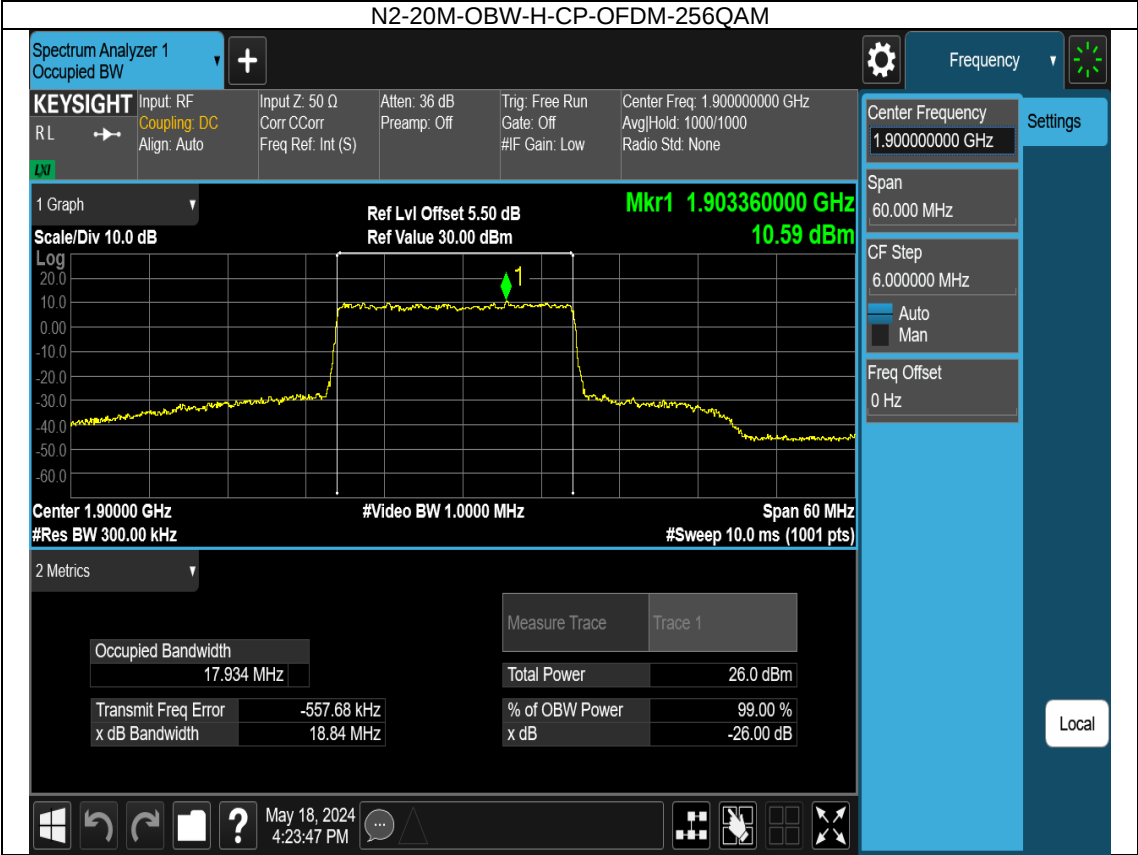
N2-20M-OBW-H-DFT-s-OFDM-256QAM



N2-20M-OBW-H-CP-OFDM-QPSK







Peak-Average Ratio

Test Result

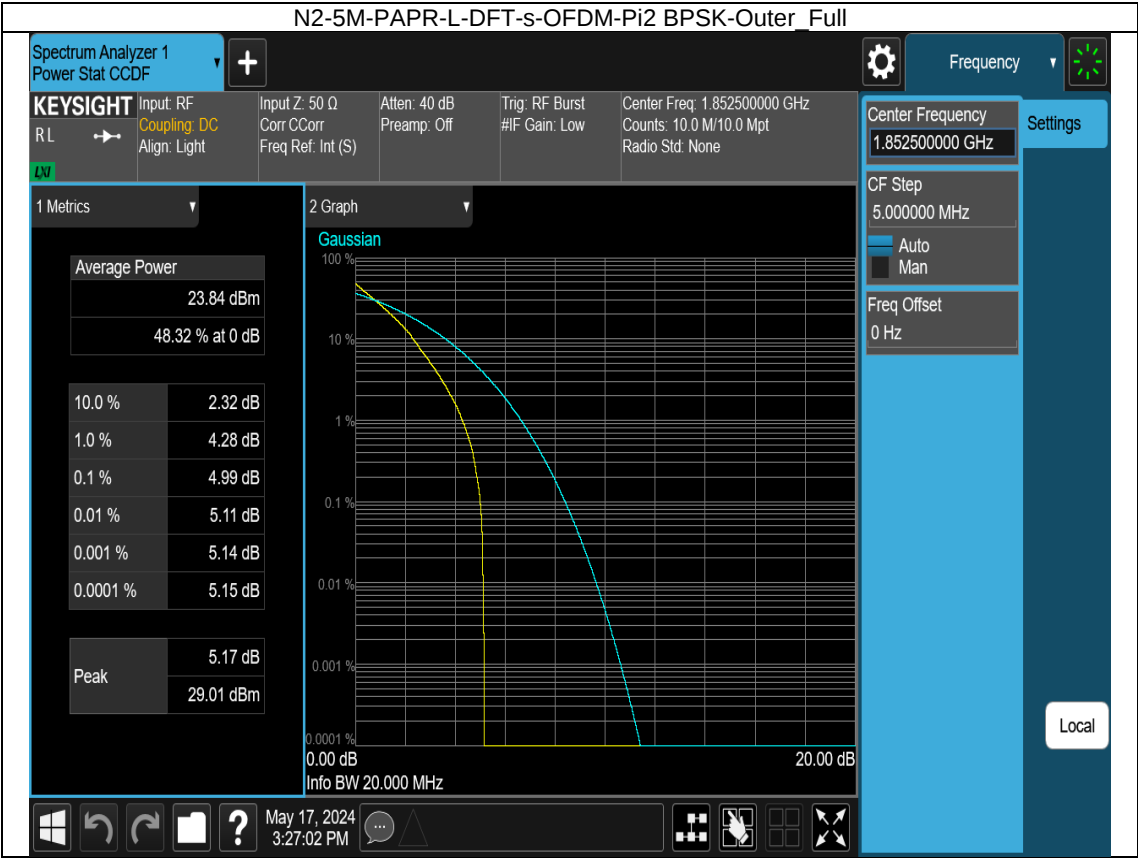
5G NR n2 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.99	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.08	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.11	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.93	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.53	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.16	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.36	<=13	Pass
CP-OFDM 64QAM		Outer_Full	6.64	<=13	Pass
CP-OFDM 256QAM		Outer_Full	7.92	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.19	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.28	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.15	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.59	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.53	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.36	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.58	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.11	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.38	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	5.30	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.20	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.14	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.59	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.49	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.40	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.56	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.17	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.09	<=13	Pass

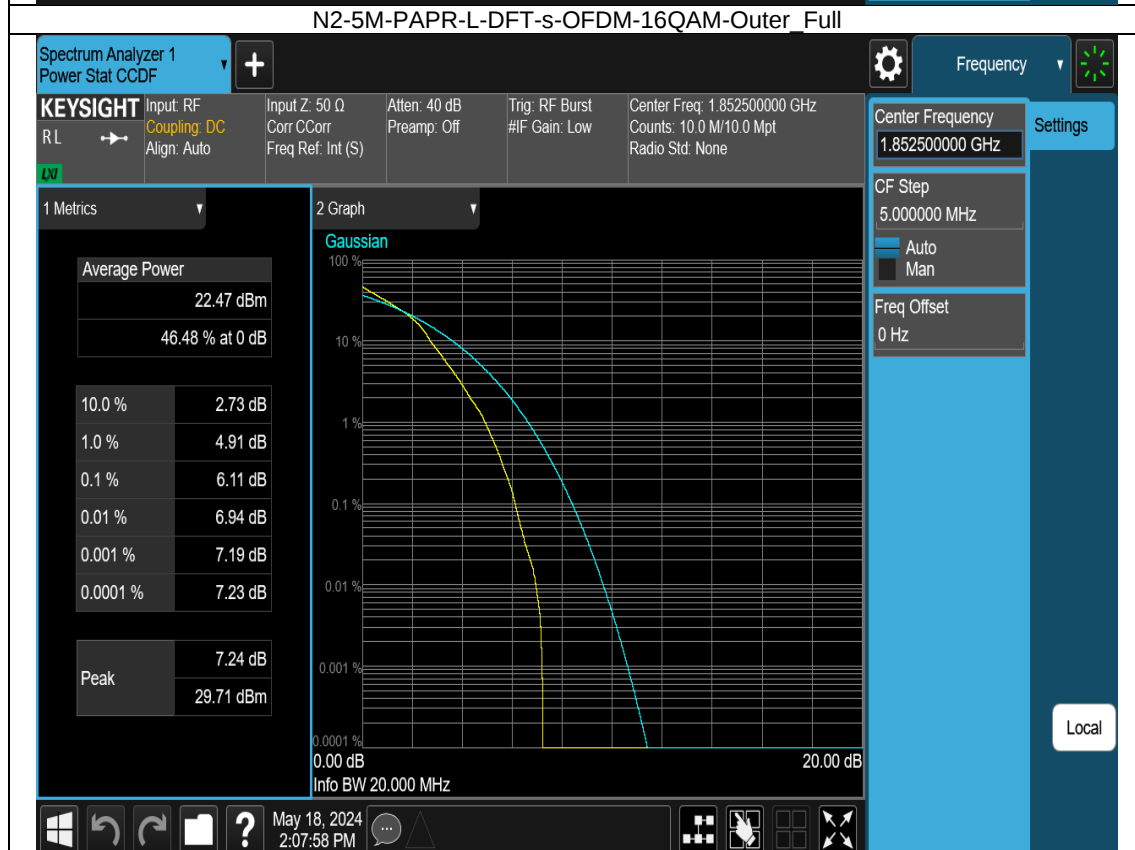
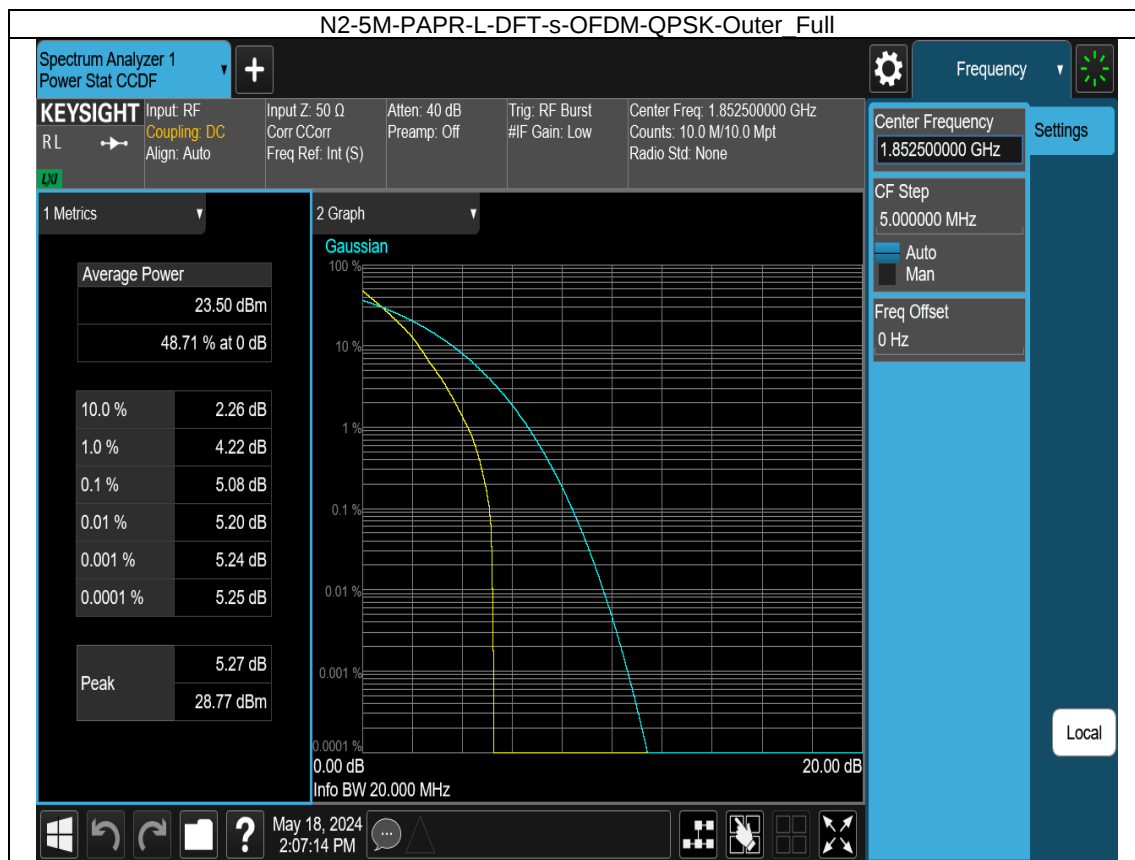
5G NR n2 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	5.53	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.29	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.10	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.33	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.52	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.13	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.39	<=13	Pass
CP-OFDM 64QAM		Outer_Full	6.81	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.30	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.36	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.52	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.27	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.45	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.52	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.46	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.56	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.26	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.32	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	5.32	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.41	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.21	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.31	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.43	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.50	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.50	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.31	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.39	<=13	Pass

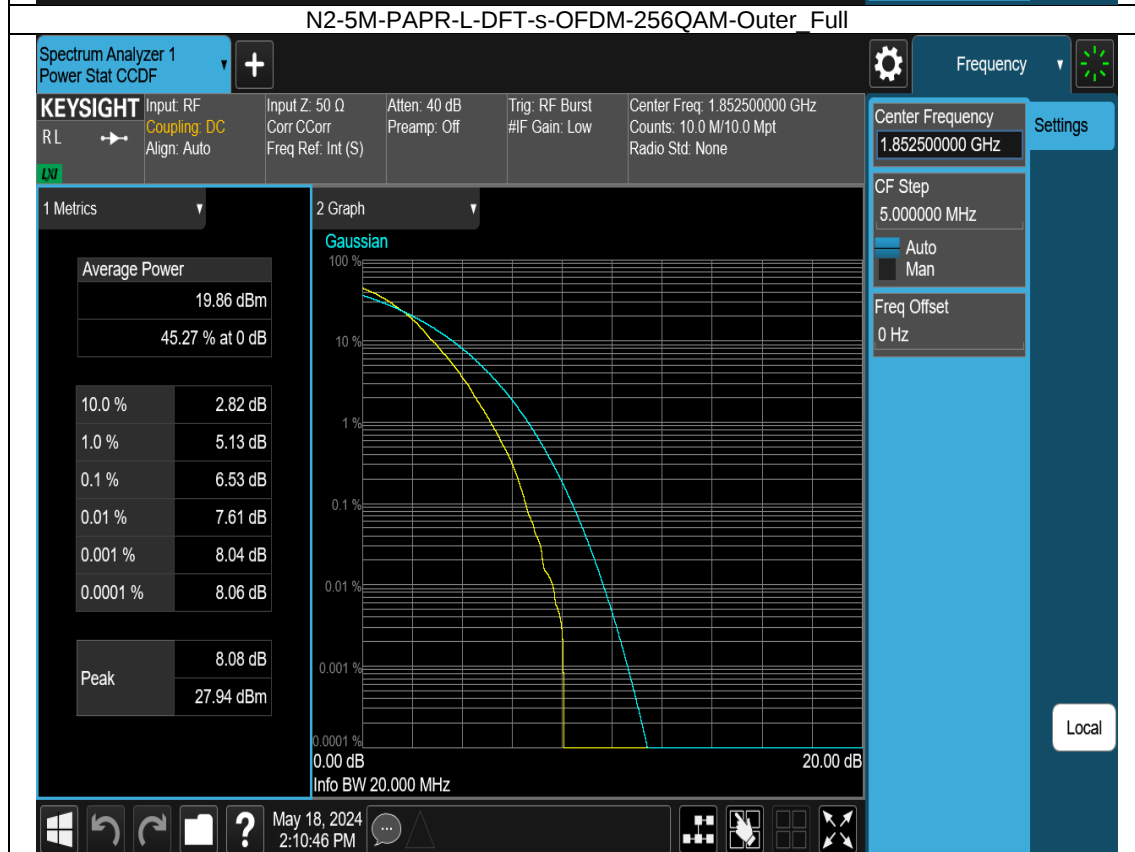
5G NR n2 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	5.61	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.59	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.36	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.49	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.39	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.18	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.29	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.70	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.44	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.31	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.44	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.22	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.41	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.65	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.51	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.60	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.18	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.48	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	5.68	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.40	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.21	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.38	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.63	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.50	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.62	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.31	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.51	<=13	Pass

5G NR n2 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	5.51	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.63	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.23	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.59	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.30	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.82	<=13	Pass
CP-OFDM 16QAM		Outer_Full	8.35	<=13	Pass
CP-OFDM 64QAM		Outer_Full	6.96	<=13	Pass
CP-OFDM 256QAM		Outer_Full	7.61	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.34	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.34	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.12	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.44	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.30	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.25	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.41	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.21	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.50	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	5.67	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.78	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.32	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.54	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.38	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.37	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.48	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.80	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.50	<=13	Pass

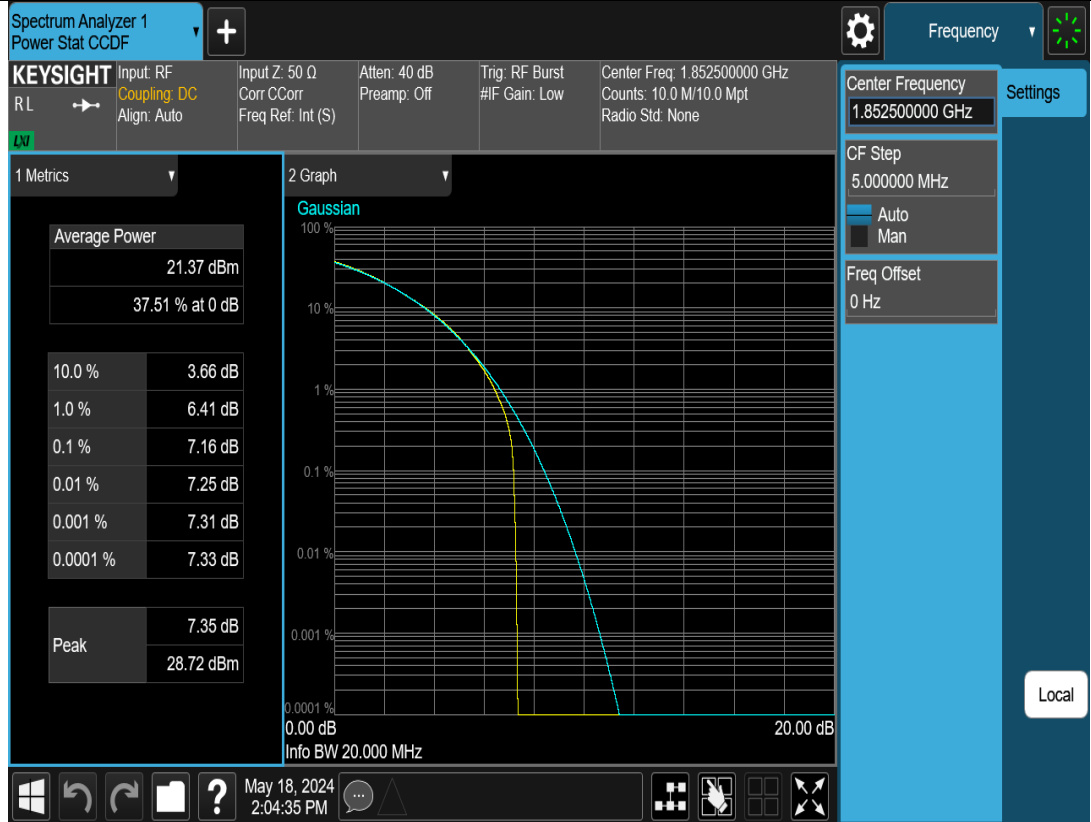
Test Graph



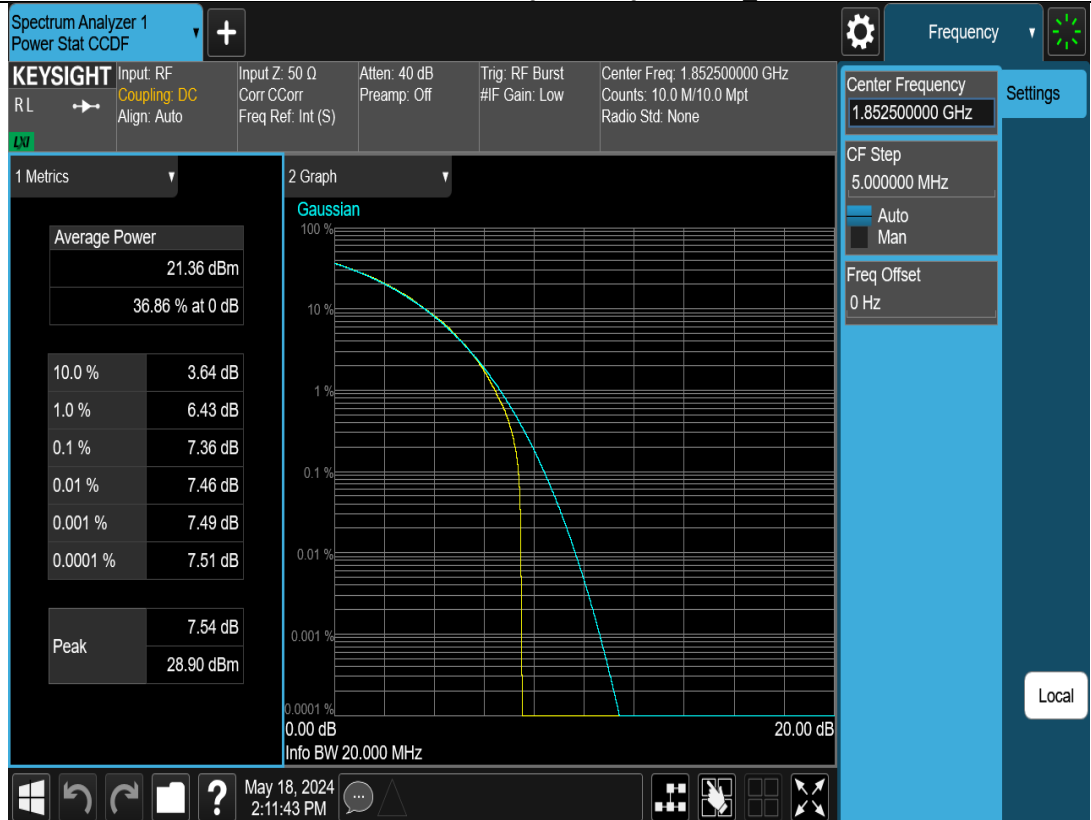


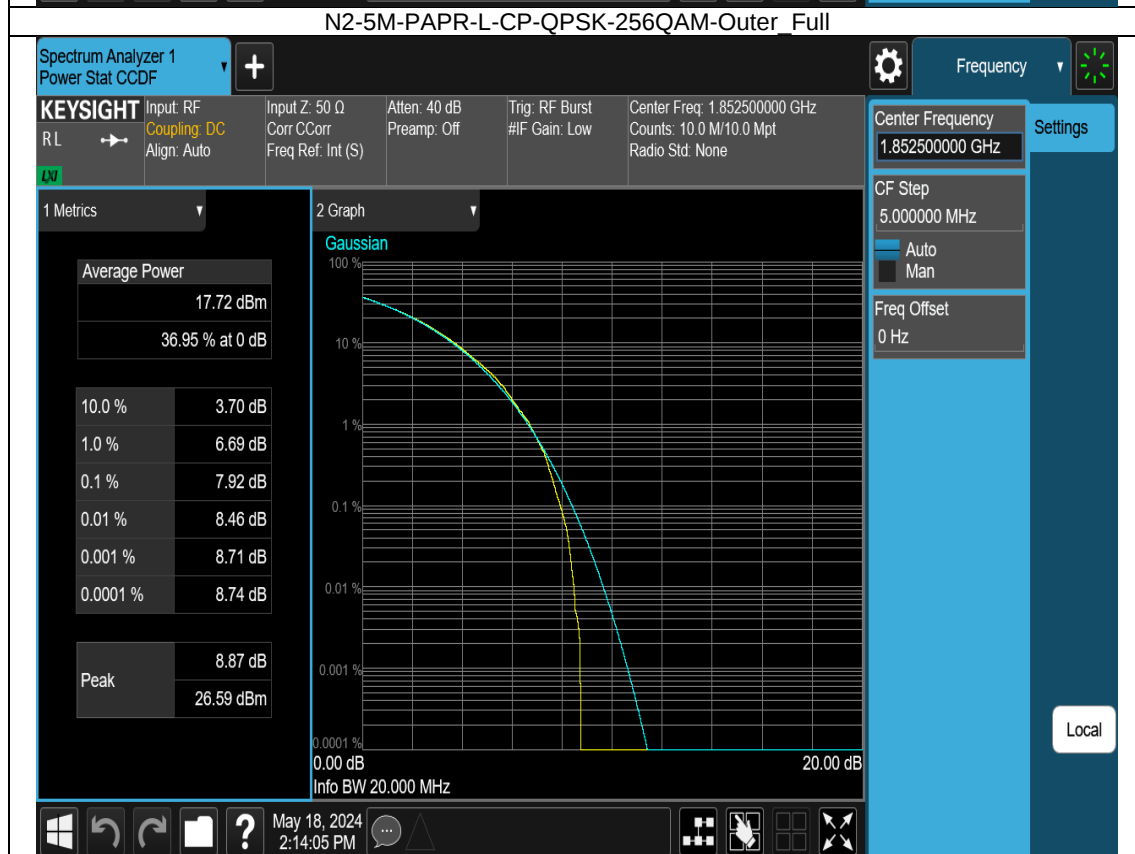
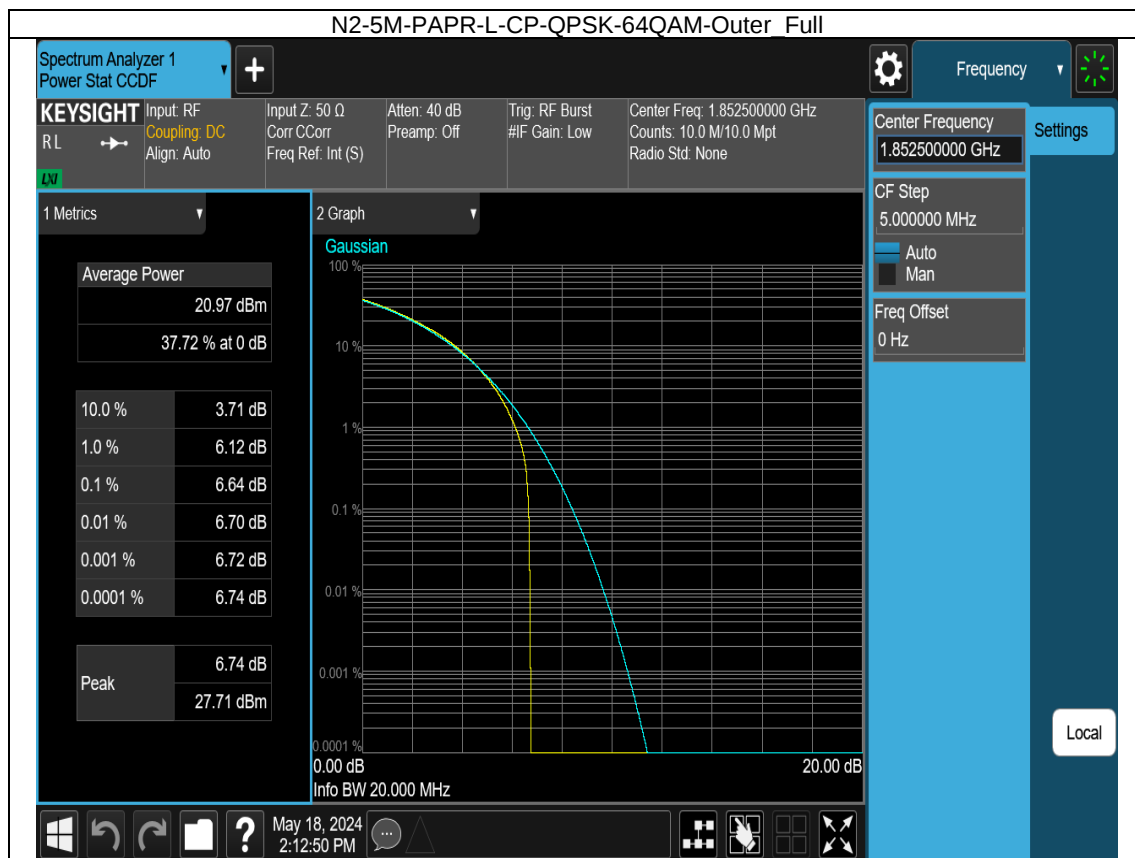


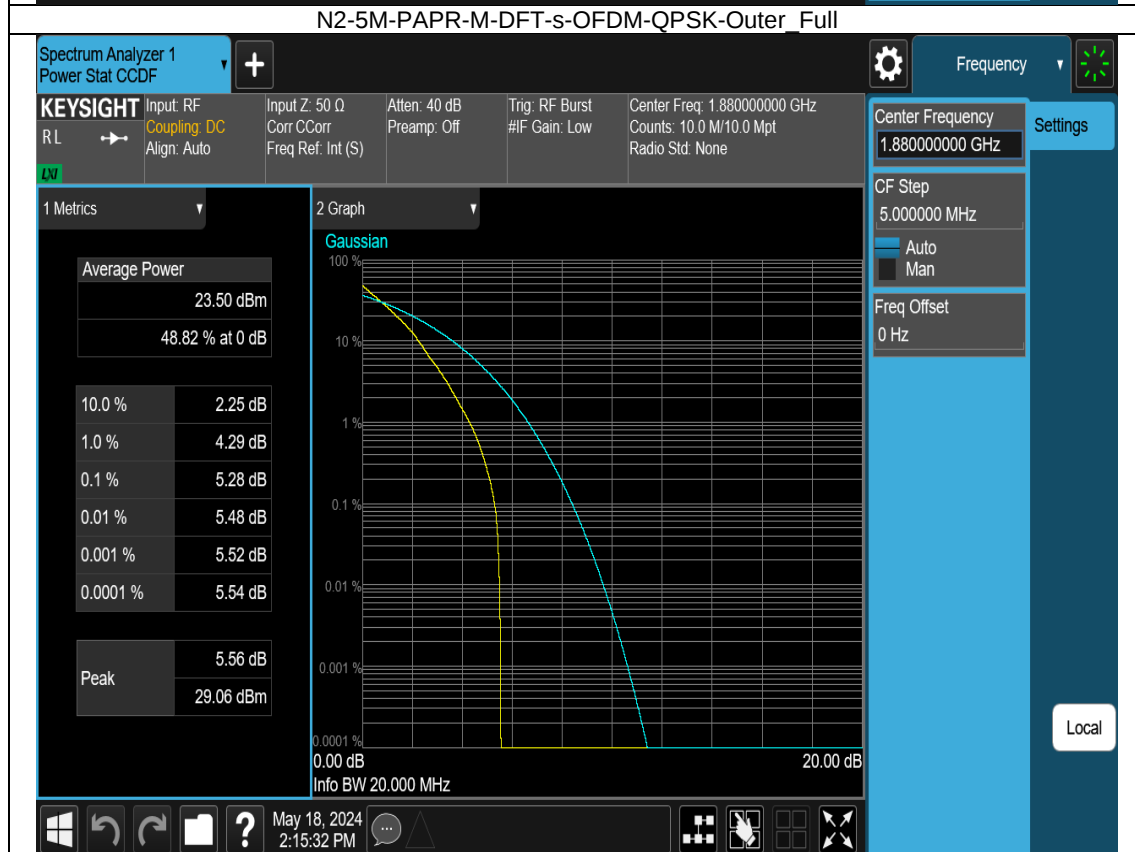
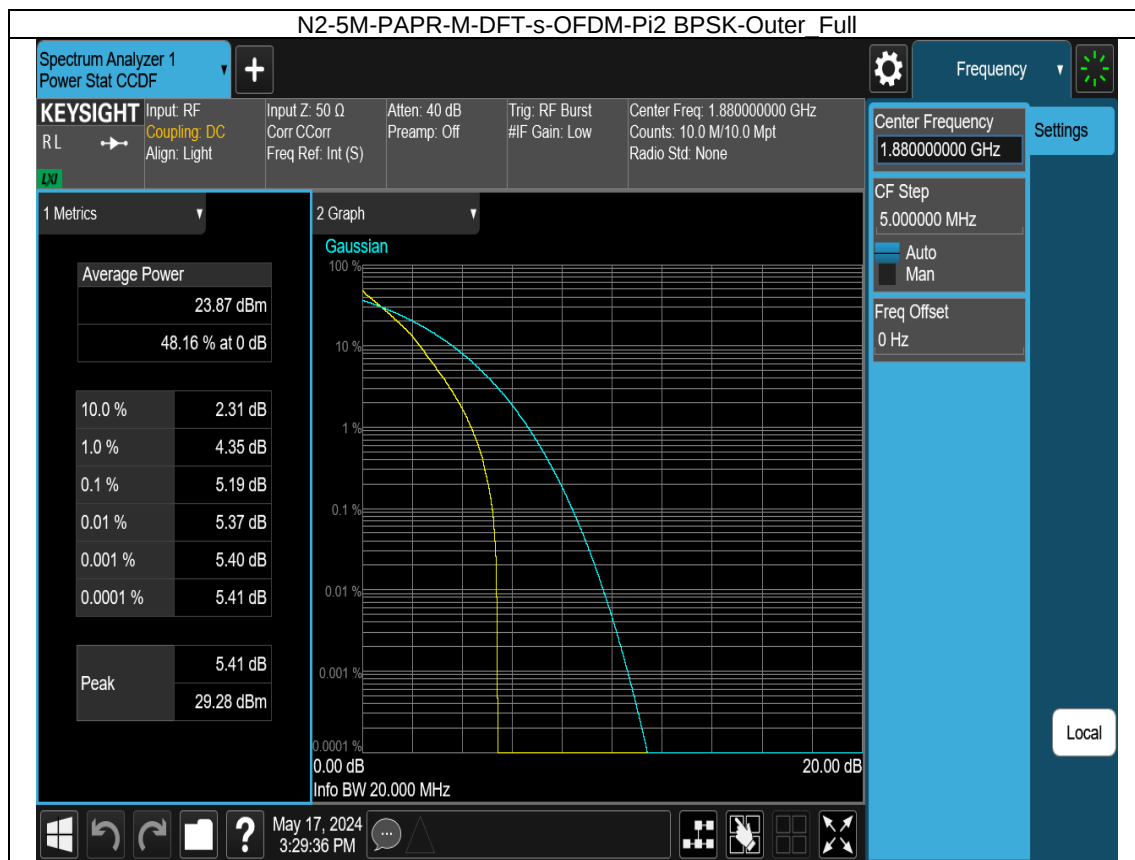
N2-5M-PAPR-L-CP-OFDM-QPSK-Outer Full



N2-5M-PAPR-L-CP-QPSK-16QAM-Outer Full







N2-5M-PAPR-M-DFT-s-OFDM-16QAM-Outer Full



N2-5M-PAPR-M-DFT-s-OFDM-64QAM-Outer Full



