99% & 26dB Bandwidth

Test Result

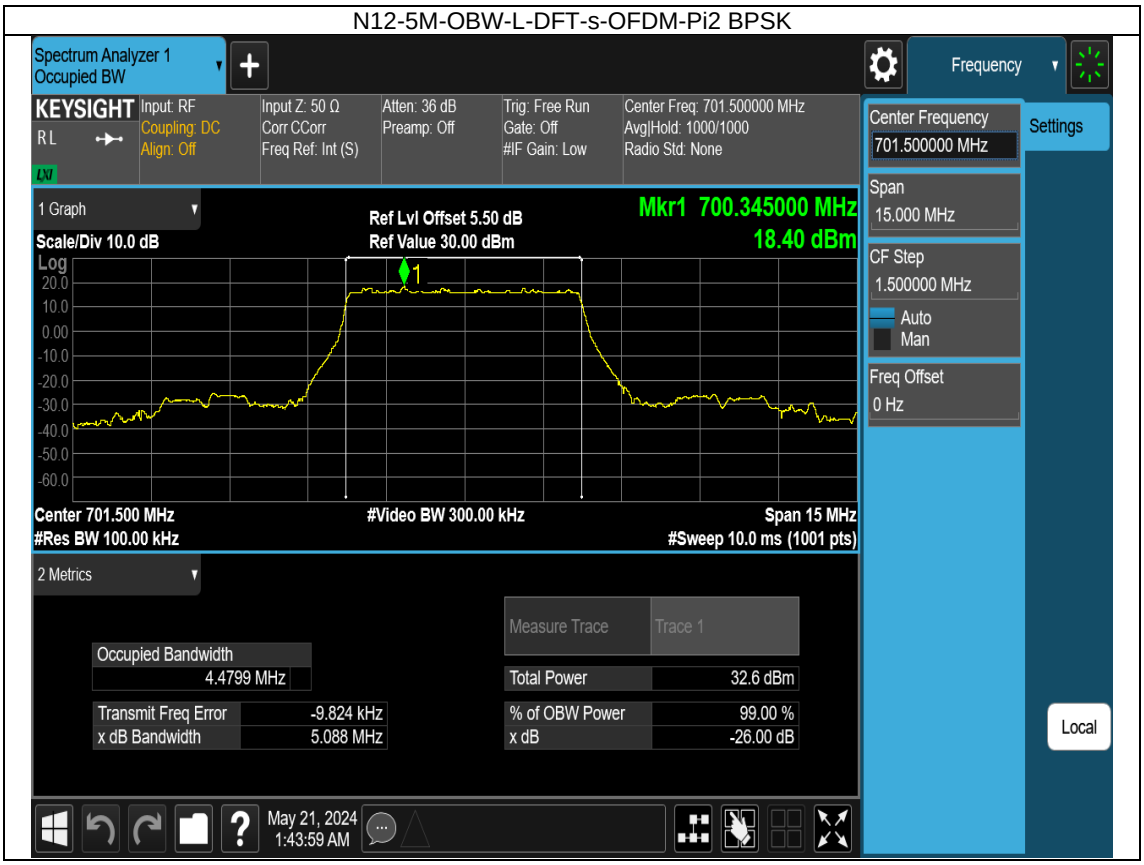
5G NR n12 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.480	5.088	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.516	5.238	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.488	5.144	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.504	5.200	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.496	5.188	/	Pass
CP-OFDM QPSK		Outer_Full	4.508	5.189	/	Pass
CP-OFDM 16QAM		Outer_Full	4.523	5.282	/	Pass
CP-OFDM 64QAM		Outer_Full	4.491	5.122	/	Pass
CP-OFDM 256QAM		Outer_Full	4.515	5.127	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.490	5.125	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.493	5.158	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.483	5.084	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.514	5.229	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.510	5.156	/	Pass
CP-OFDM QPSK		Outer_Full	4.511	5.243	/	Pass
CP-OFDM 16QAM		Outer_Full	4.516	5.257	/	Pass
CP-OFDM 64QAM		Outer_Full	4.483	5.090	/	Pass
CP-OFDM 256QAM		Outer_Full	4.497	5.101	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.482	5.150	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.514	5.163	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.493	5.194	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.501	5.162	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.510	5.118	/	Pass
CP-OFDM QPSK		Outer_Full	4.561	5.423	/	Pass
CP-OFDM 16QAM		Outer_Full	4.531	5.223	/	Pass
CP-OFDM 64QAM		Outer_Full	4.505	5.231	/	Pass
CP-OFDM 256QAM		Outer_Full	4.490	5.175	/	Pass

5G NR n12 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.968	9.755	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.956	9.680	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.988	9.912	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.961	9.816	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.972	9.731	/	Pass
CP-OFDM QPSK		Outer_Full	9.292	10.12	/	Pass
CP-OFDM 16QAM		Outer_Full	9.306	10.19	/	Pass
CP-OFDM 64QAM		Outer_Full	9.322	10.27	/	Pass
CP-OFDM 256QAM		Outer_Full	9.335	10.17	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.940	9.648	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.932	9.681	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.952	9.827	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.951	9.694	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.964	9.741	/	Pass
CP-OFDM QPSK		Outer_Full	9.289	10.20	/	Pass
CP-OFDM 16QAM		Outer_Full	8.930	9.694	/	Pass
CP-OFDM 64QAM		Outer_Full	8.950	9.870	/	Pass
CP-OFDM 256QAM		Outer_Full	8.934	9.766	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.924	9.683	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.920	9.565	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.931	9.664	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.942	9.696	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.954	9.740	/	Pass
CP-OFDM QPSK		Outer_Full	9.301	10.20	/	Pass
CP-OFDM 16QAM		Outer_Full	8.923	9.623	/	Pass
CP-OFDM 64QAM		Outer_Full	8.921	9.711	/	Pass
CP-OFDM 256QAM		Outer_Full	8.941	9.723	/	Pass

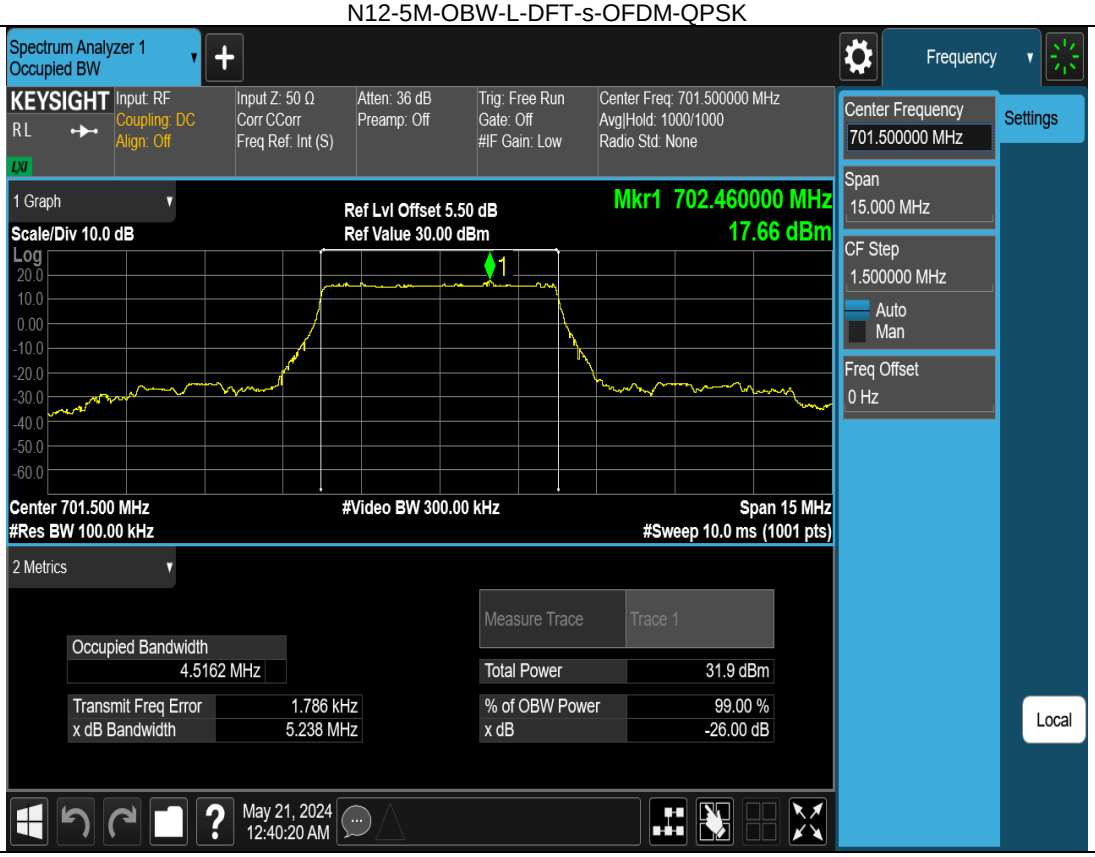
5G NR n12 SCS=15kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	13.420	14.49	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.438	14.50	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.506	14.58	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.447	14.53	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.534	14.4	/	Pass
CP-OFDM QPSK		Outer_Full	14.103	15.26	/	Pass
CP-OFDM 16QAM		Outer_Full	14.136	15.13	/	Pass
CP-OFDM 64QAM		Outer_Full	14.112	15.27	/	Pass
CP-OFDM 256QAM		Outer_Full	14.139	15.24	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.415	14.50	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.446	14.49	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.509	14.51	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.437	14.55	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.494	14.41	/	Pass
CP-OFDM QPSK		Outer_Full	14.112	15.12	/	Pass
CP-OFDM 16QAM		Outer_Full	13.424	14.50	/	Pass
CP-OFDM 64QAM		Outer_Full	13.423	14.37	/	Pass
CP-OFDM 256QAM		Outer_Full	13.470	14.40	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.412	14.48	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.423	14.39	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.511	14.50	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.433	14.50	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.494	14.45	/	Pass
CP-OFDM QPSK		Outer_Full	14.130	15.19	/	Pass
CP-OFDM 16QAM		Outer_Full	13.424	14.57	/	Pass
CP-OFDM 64QAM		Outer_Full	13.440	14.44	/	Pass
CP-OFDM 256QAM		Outer_Full	13.425	14.41	/	Pass

Test graph

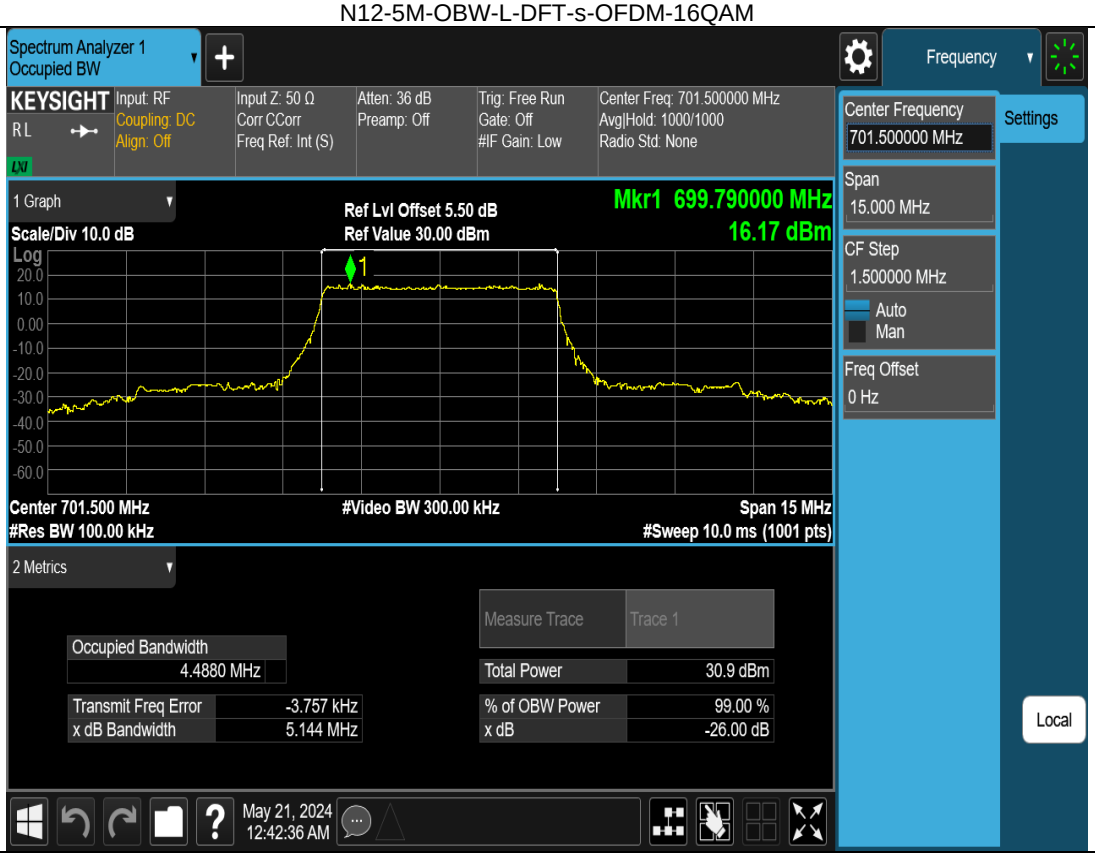
N12-5M-OBW-L-DFT-s-OFDM-Pi2 BPSK



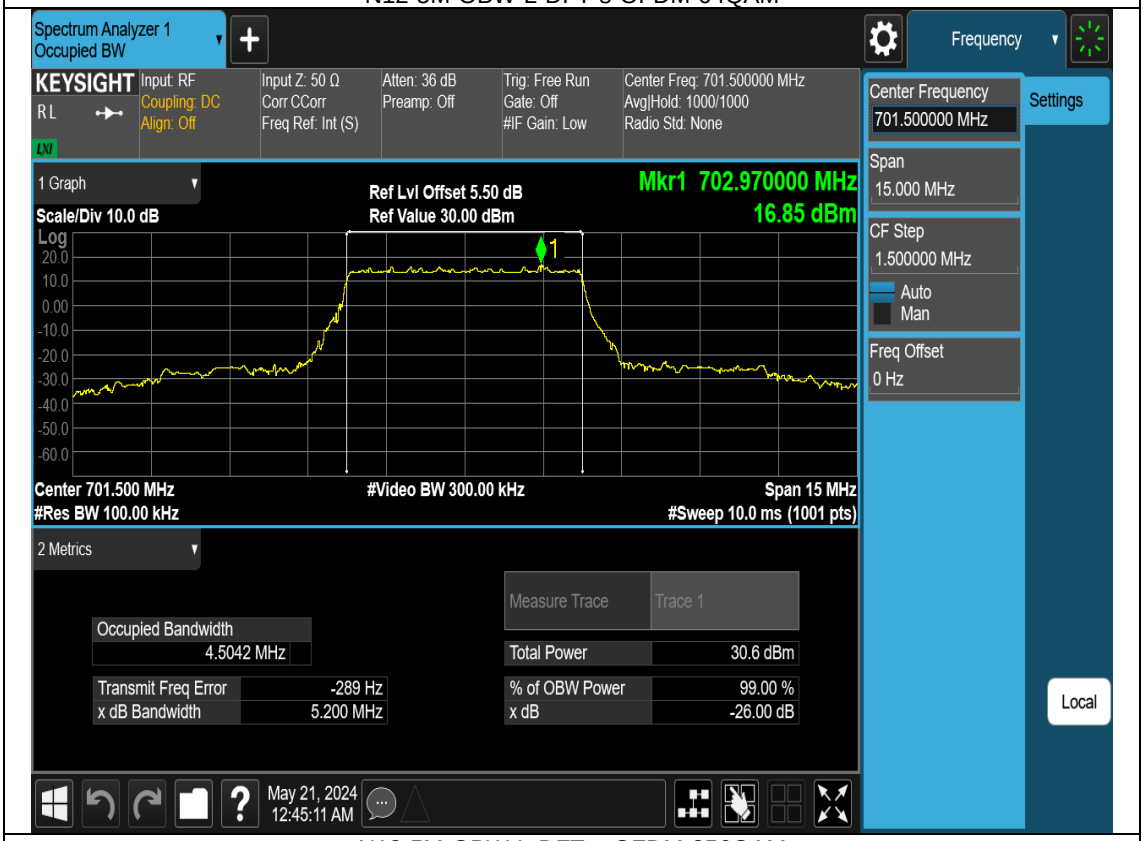
N12-5M-OBW-L-DFT-s-OFDM-QPSK



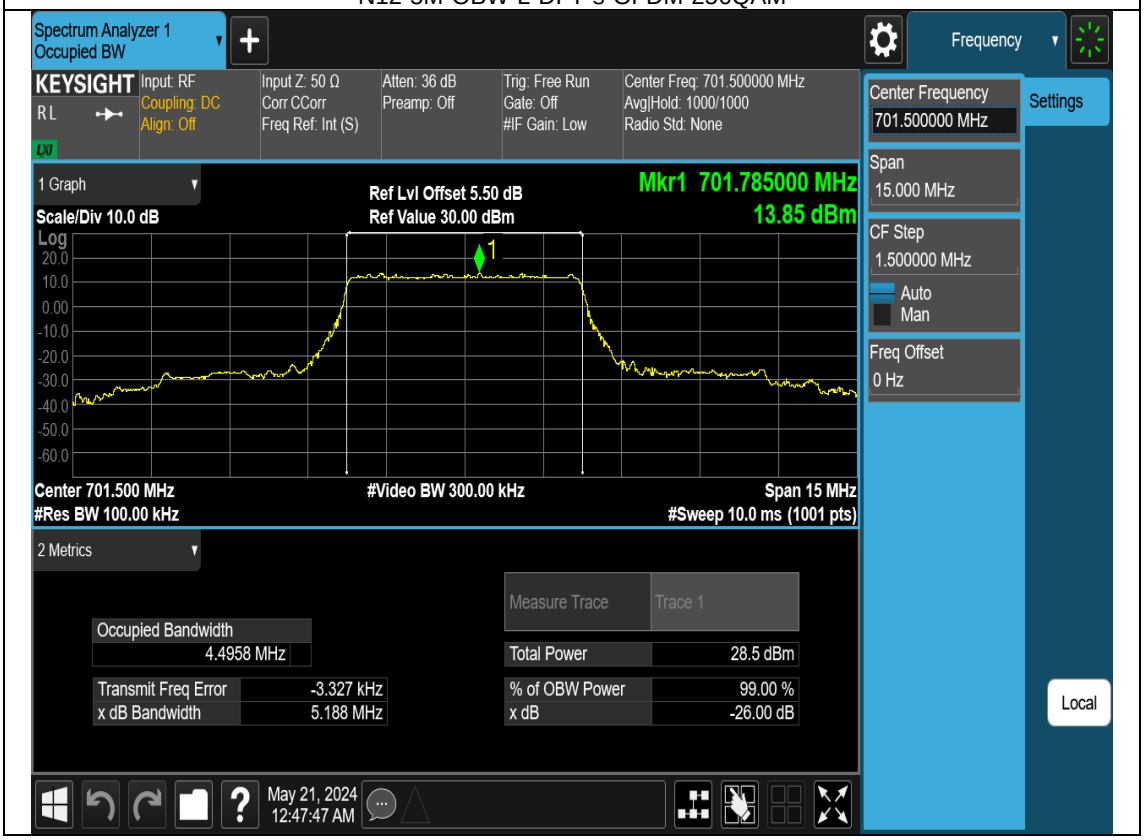
N12-5M-OBW-L-DFT-s-OFDM-16QAM



N12-5M-OBW-L-DFT-s-OFDM-64QAM



N12-5M-OBW-L-DFT-s-OFDM-256QAM



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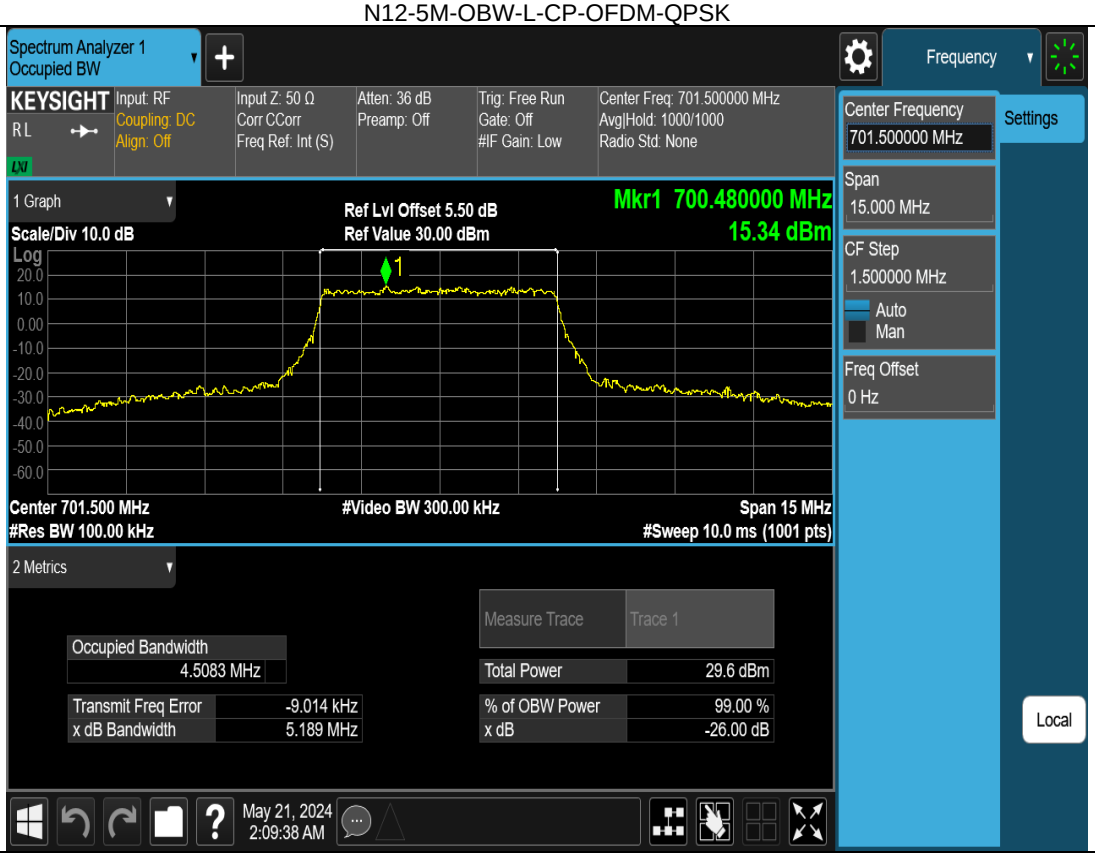

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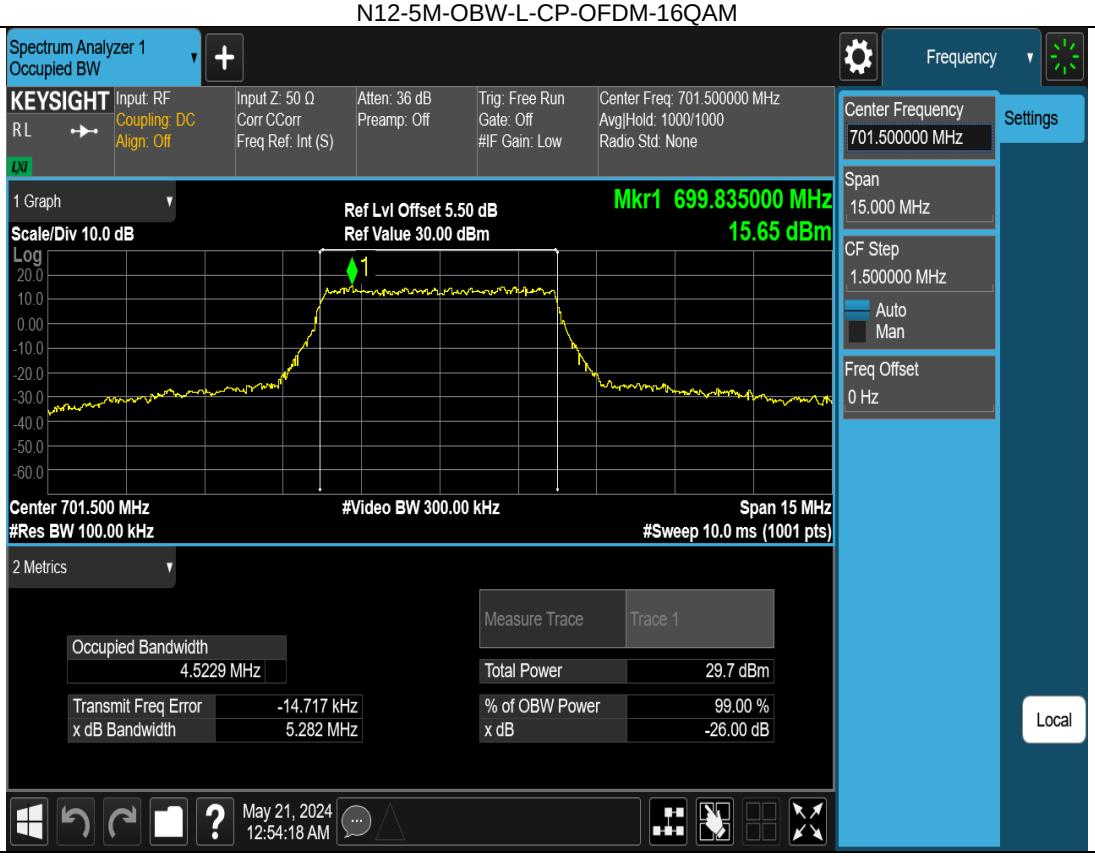

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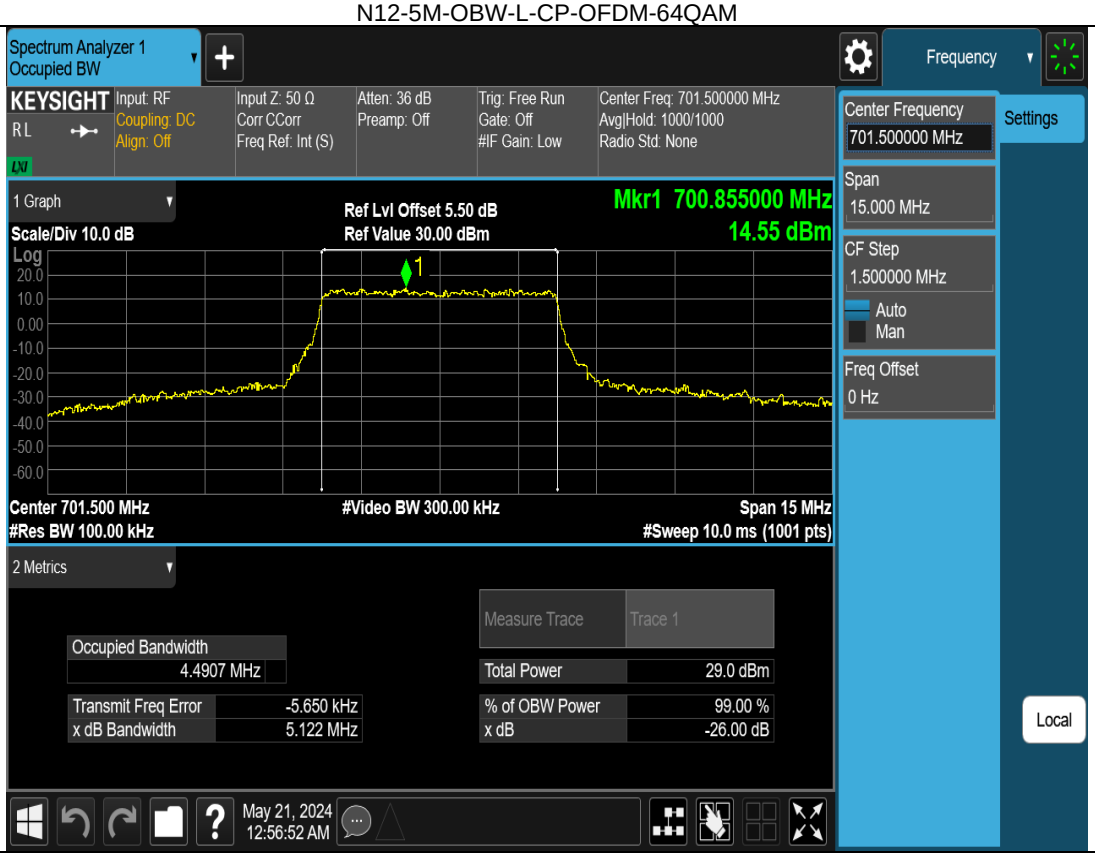

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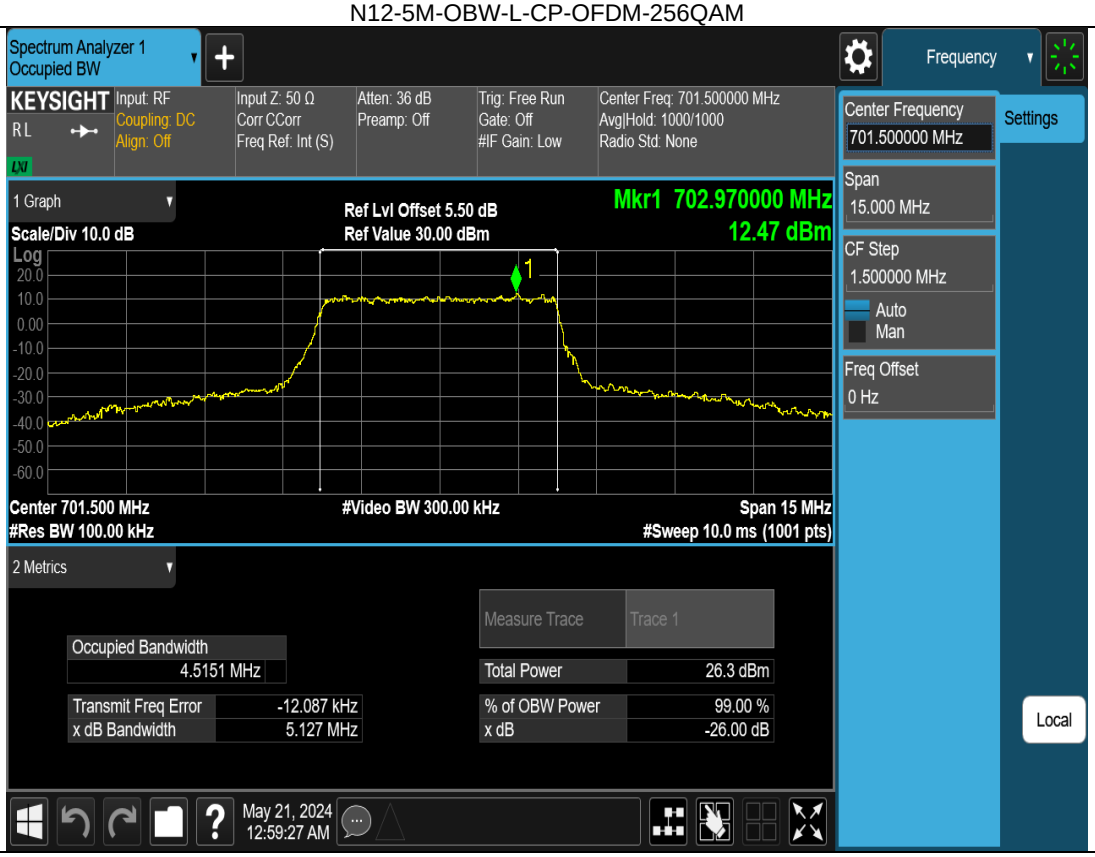

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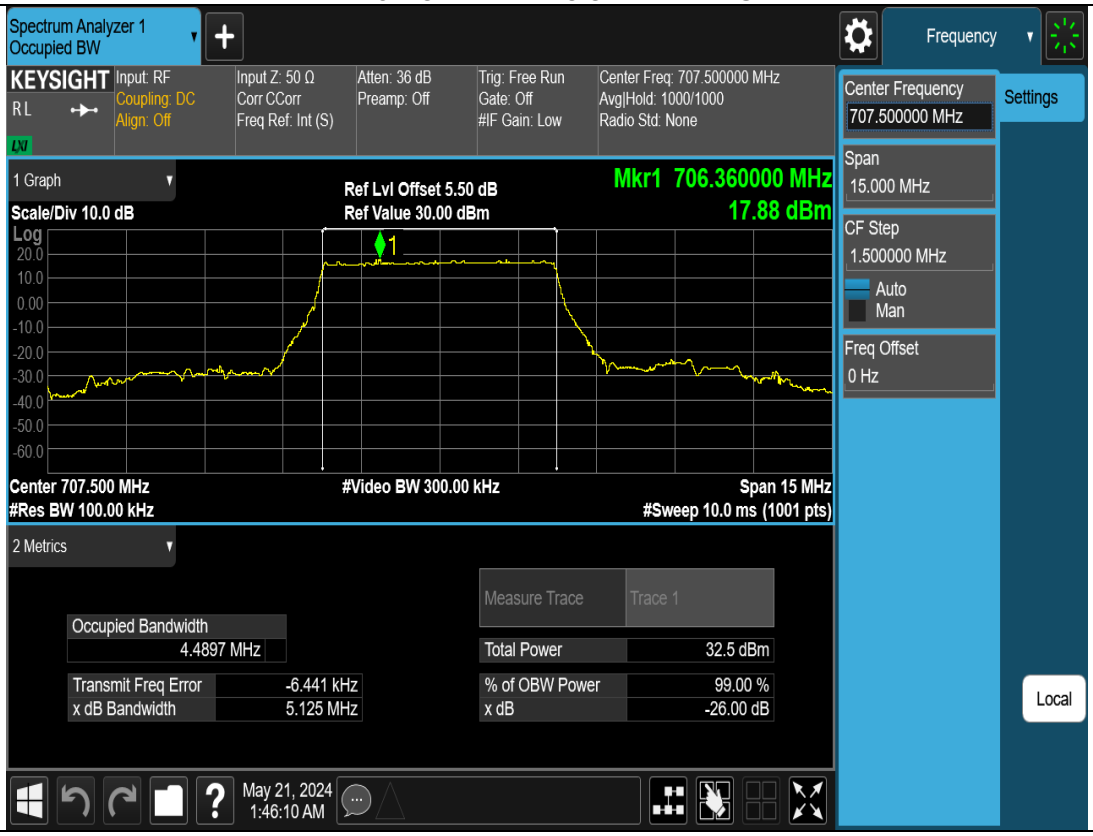

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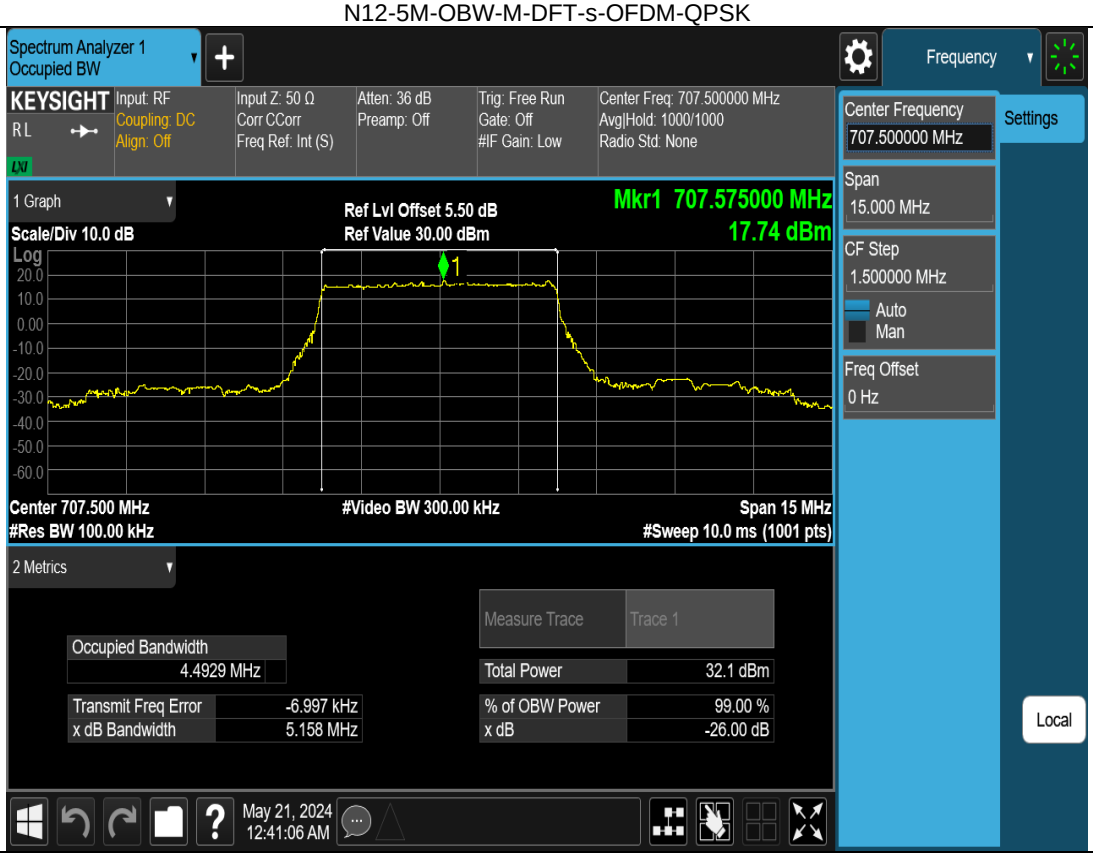

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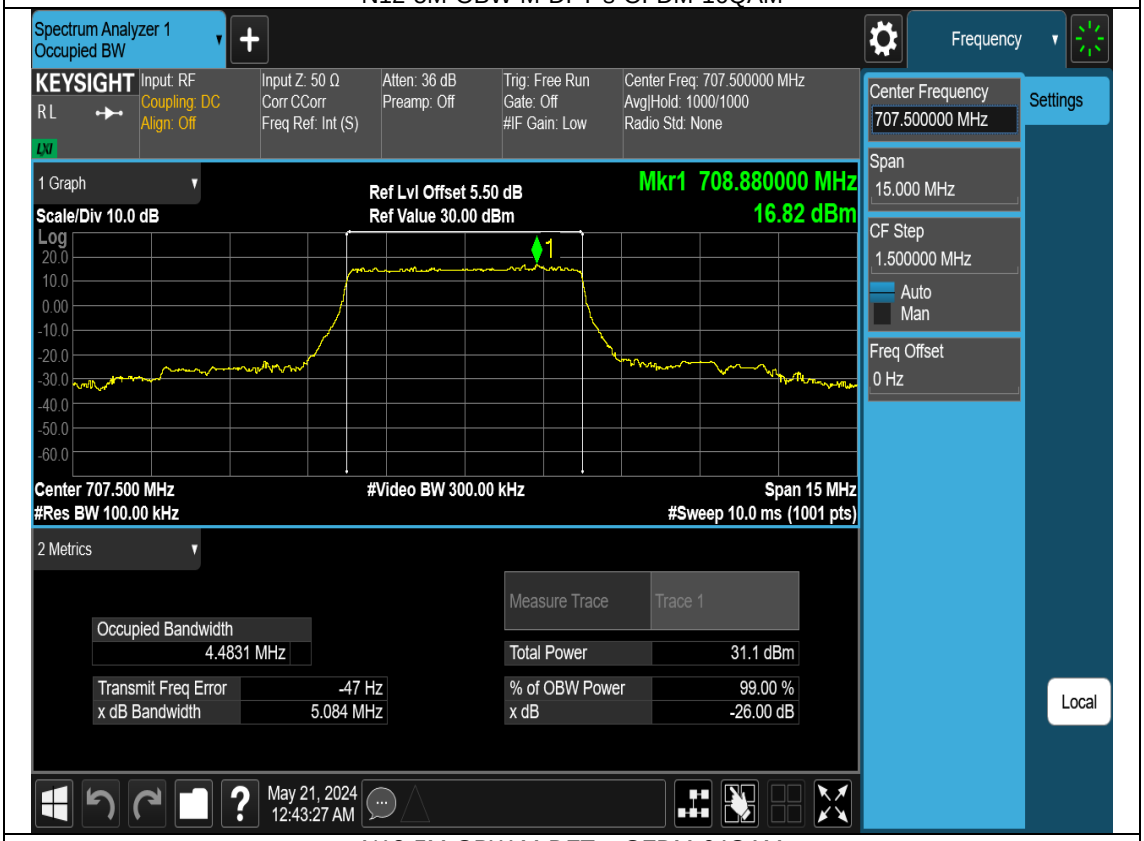

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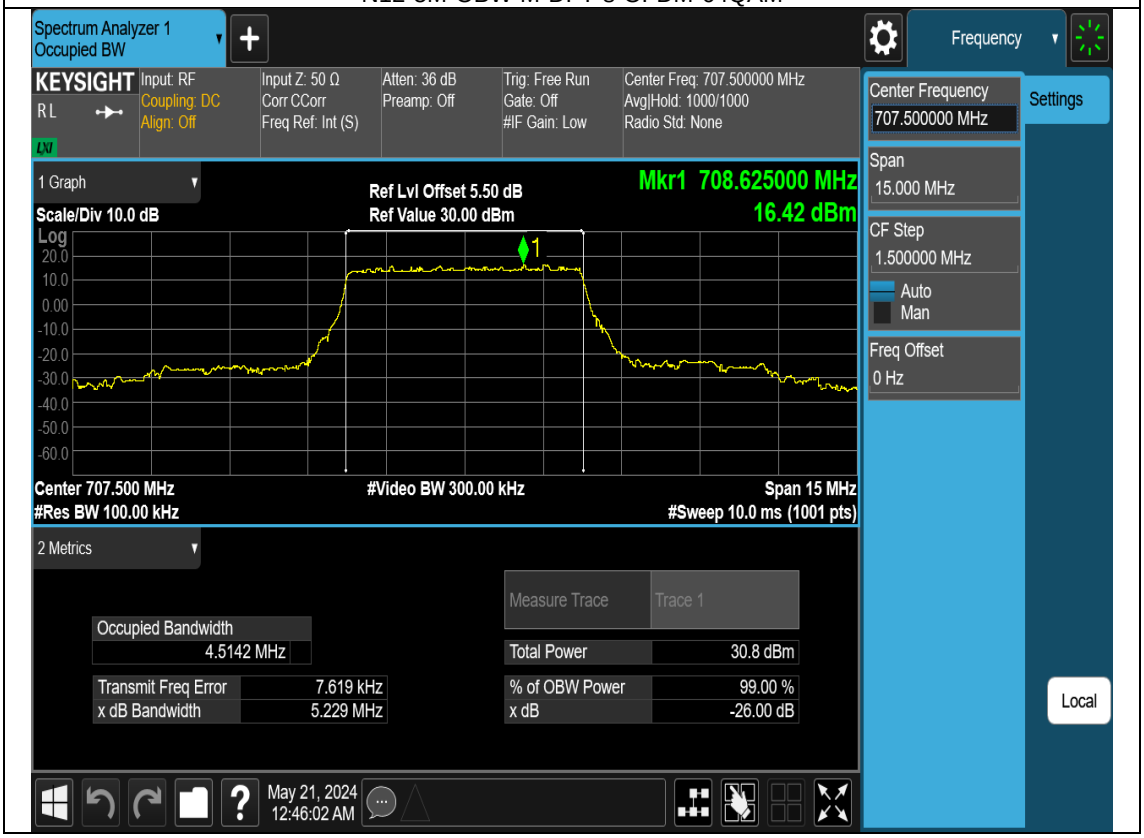
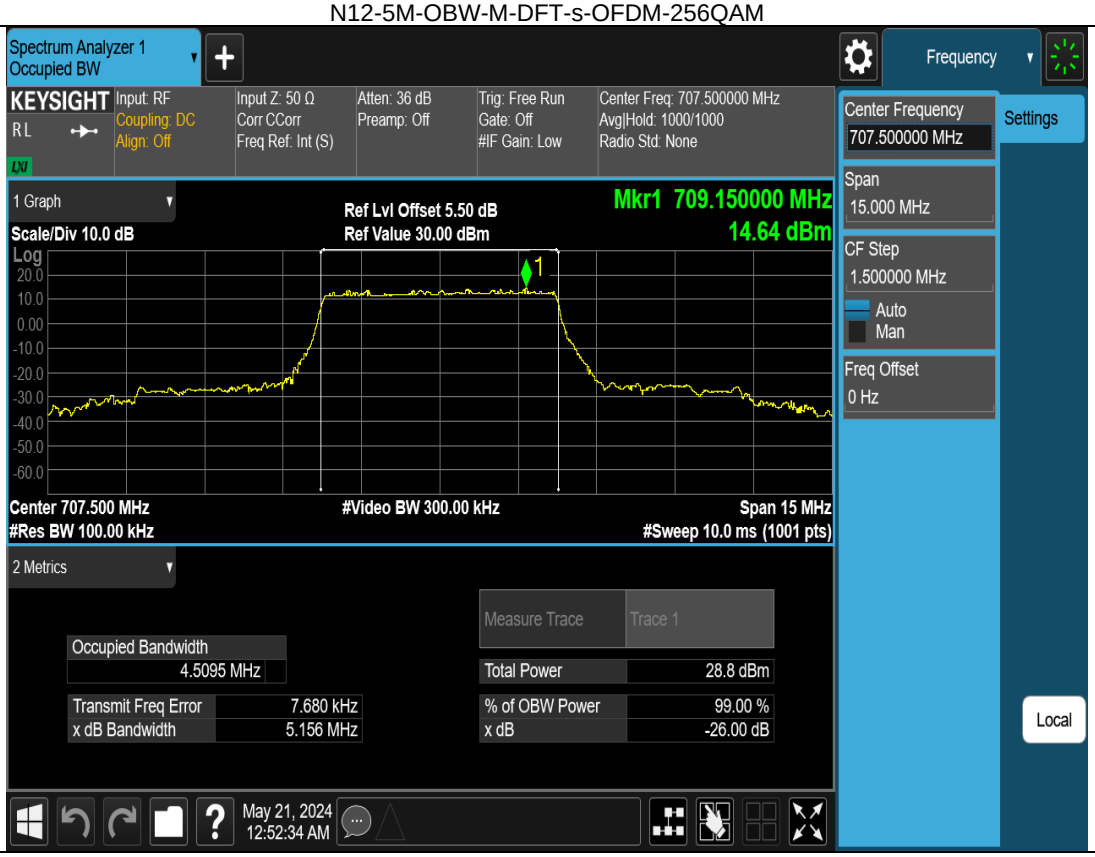


N12-5M-OBW-M-DFT-s-OFDM-256QAM



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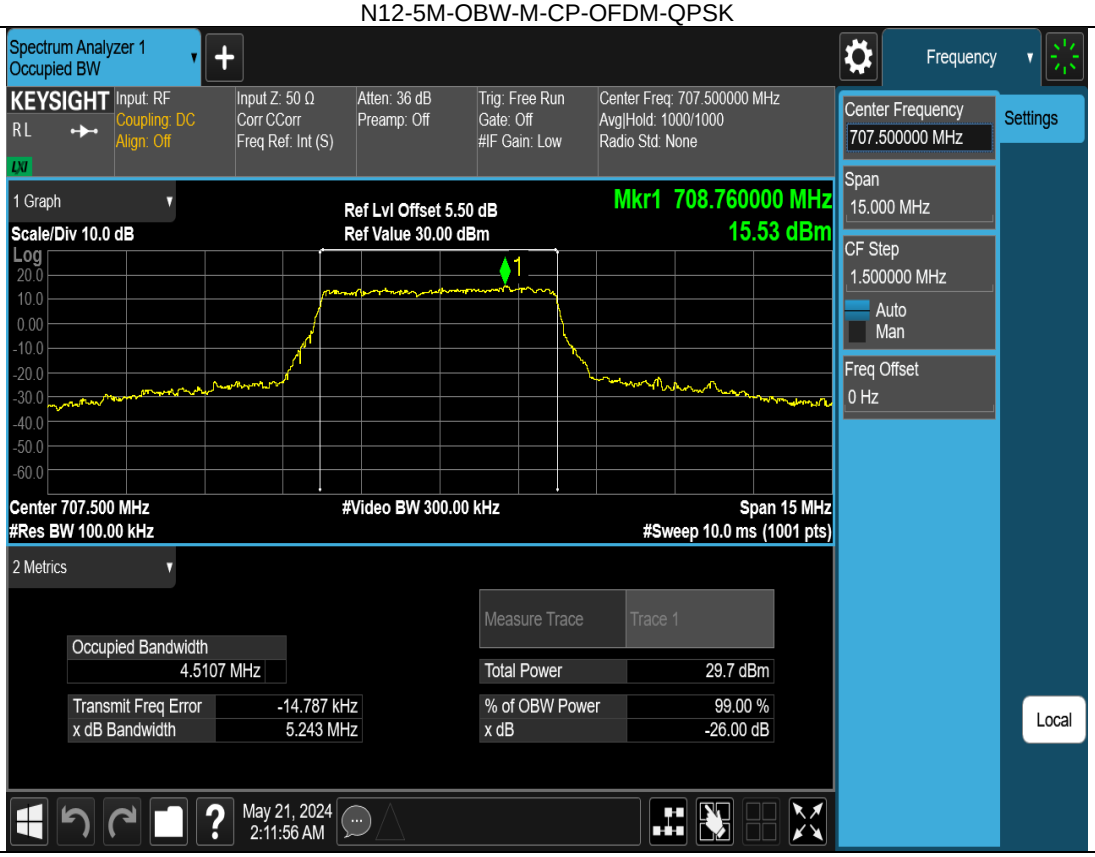
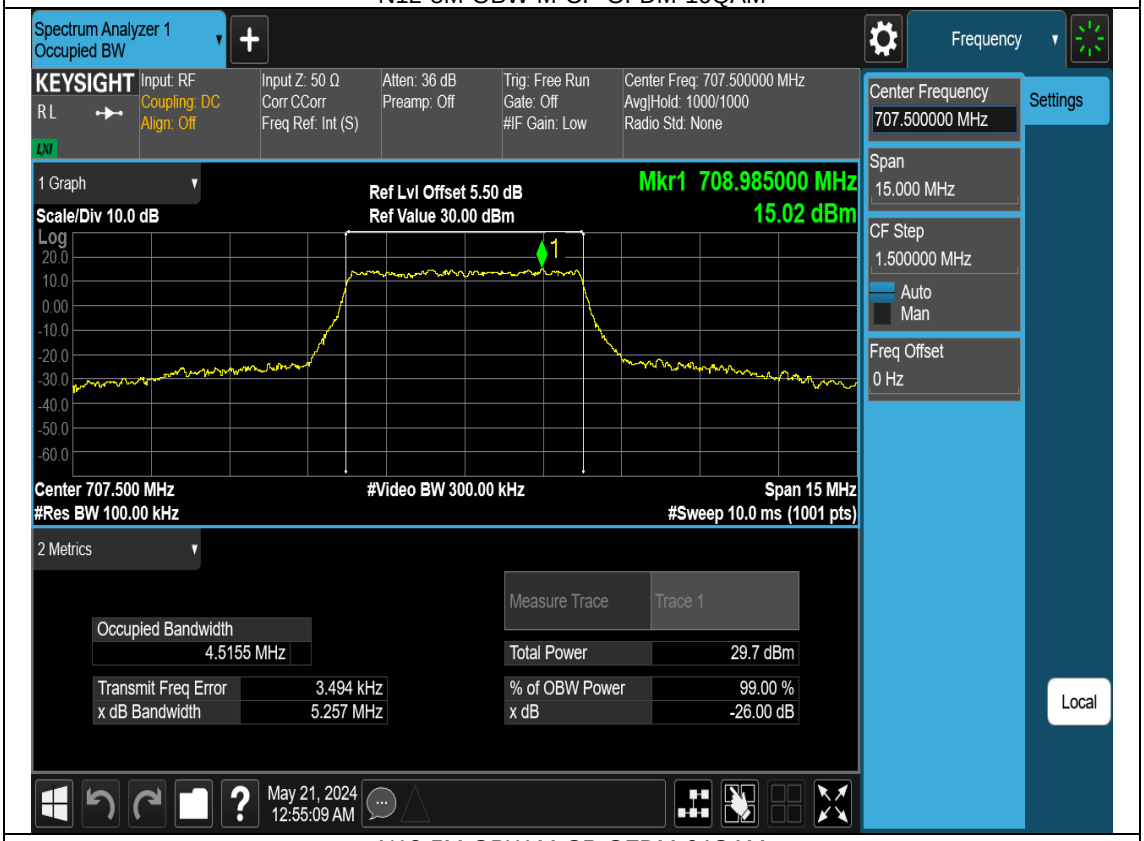


N12-5M-OBW-M-CP-OFDM-16QAM



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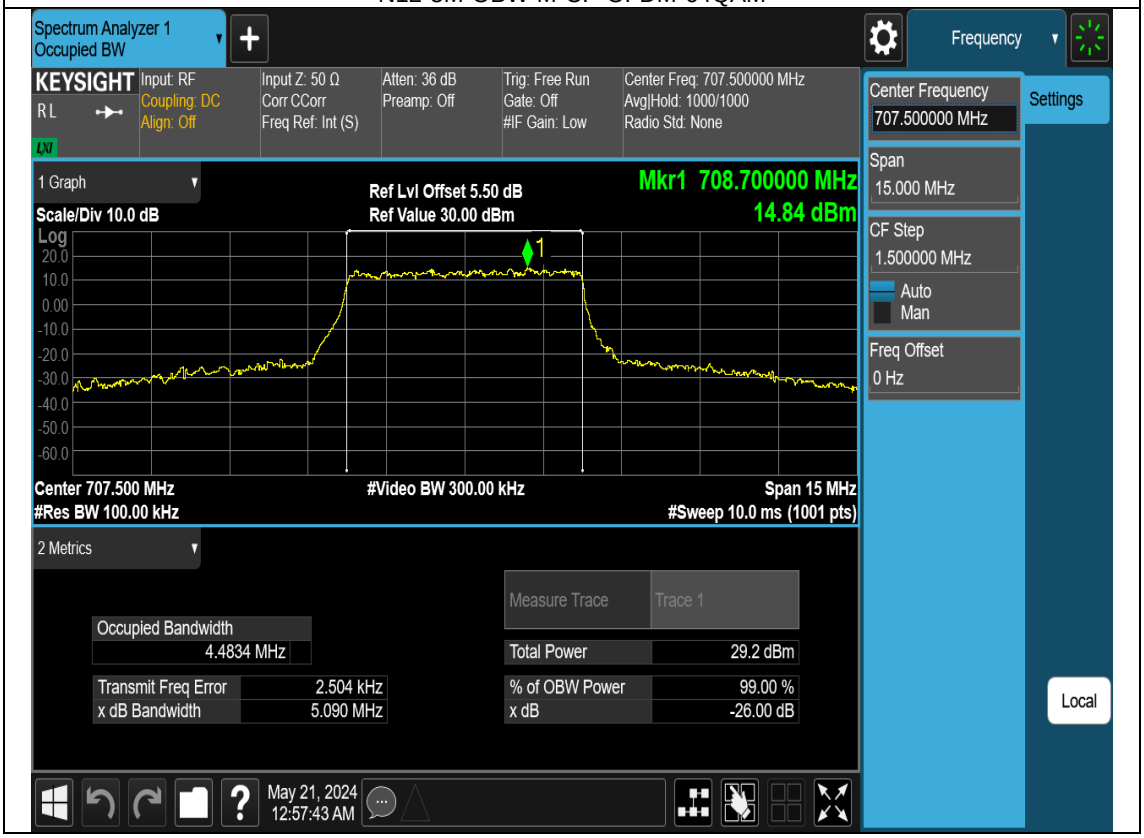

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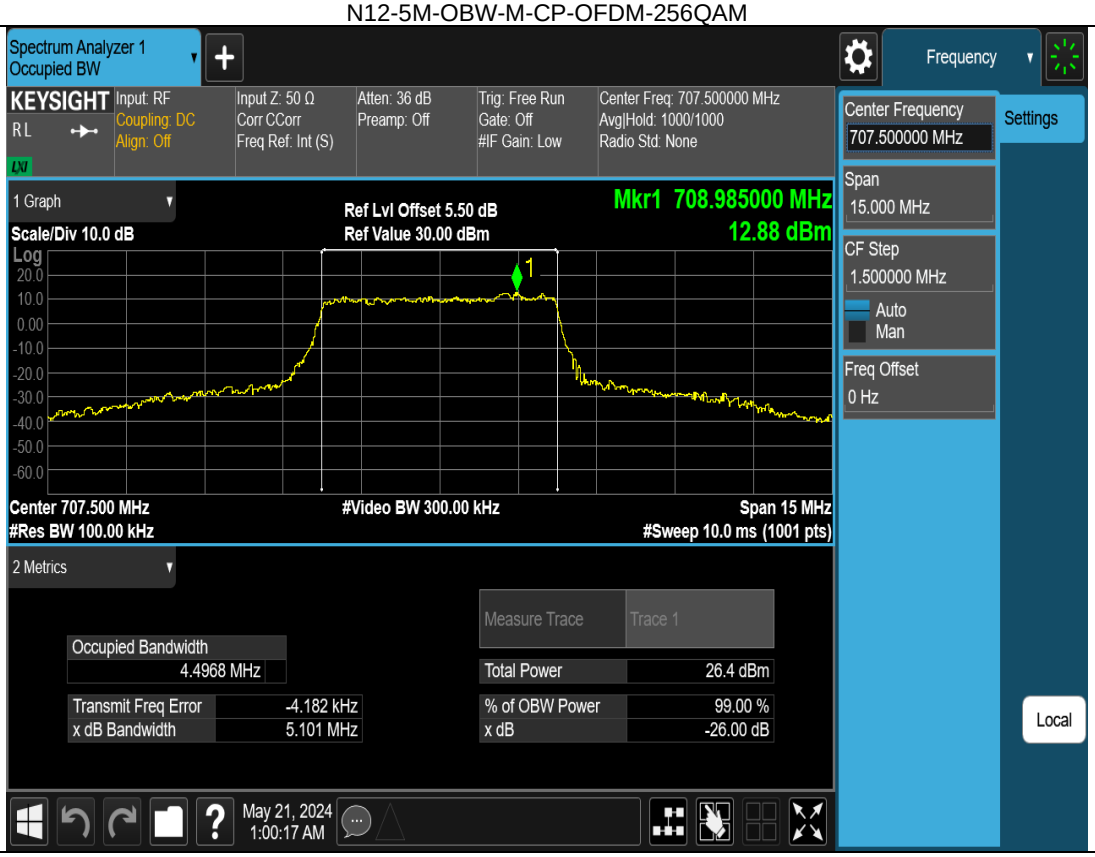
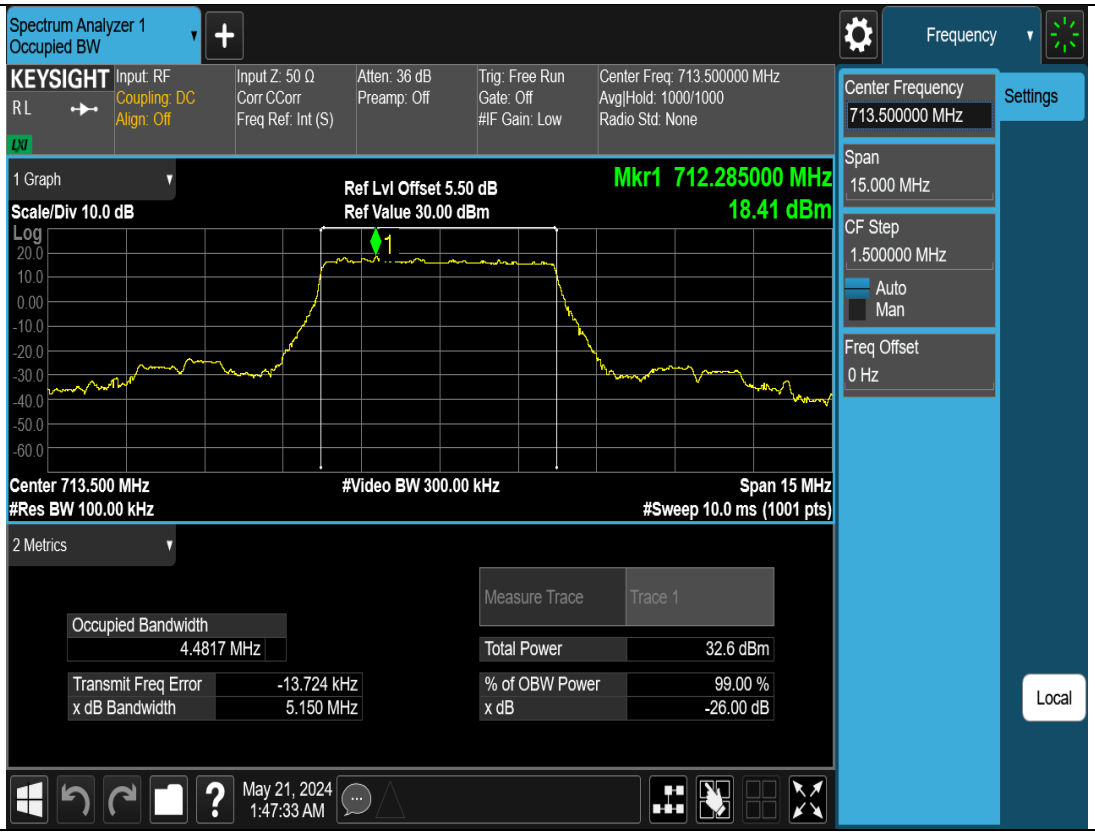


N12-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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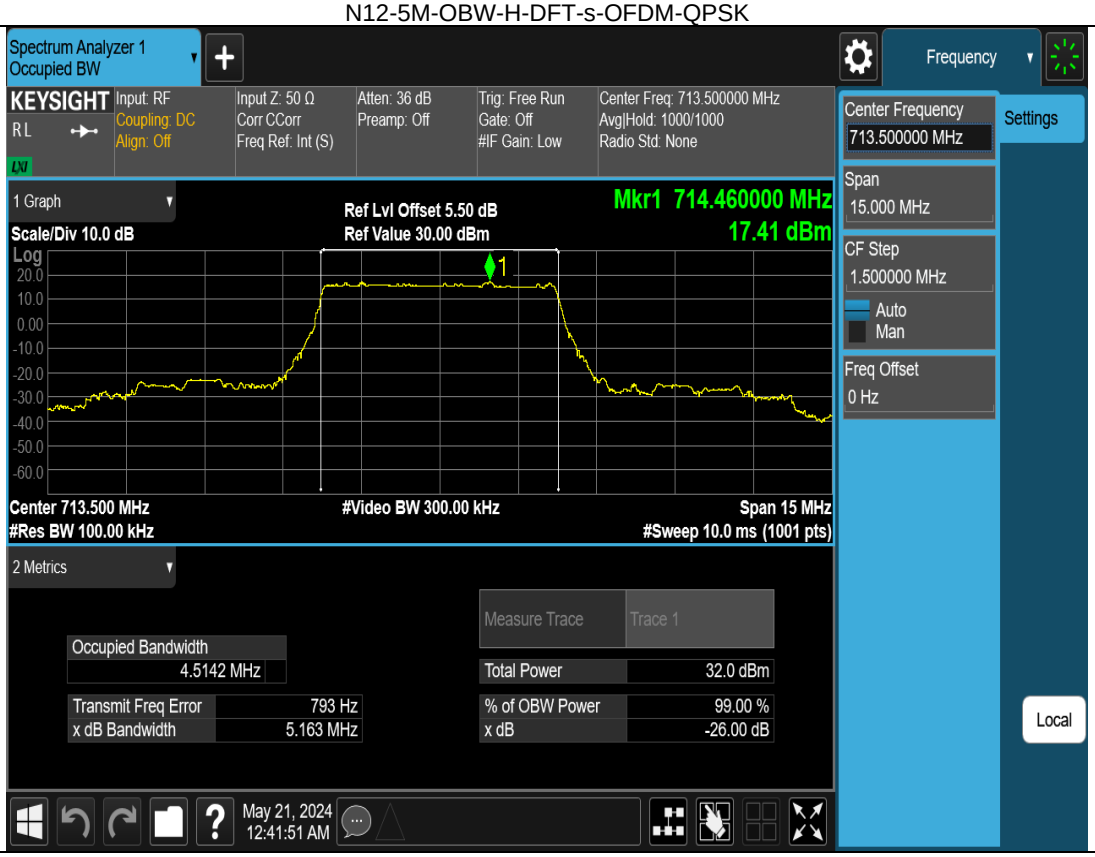

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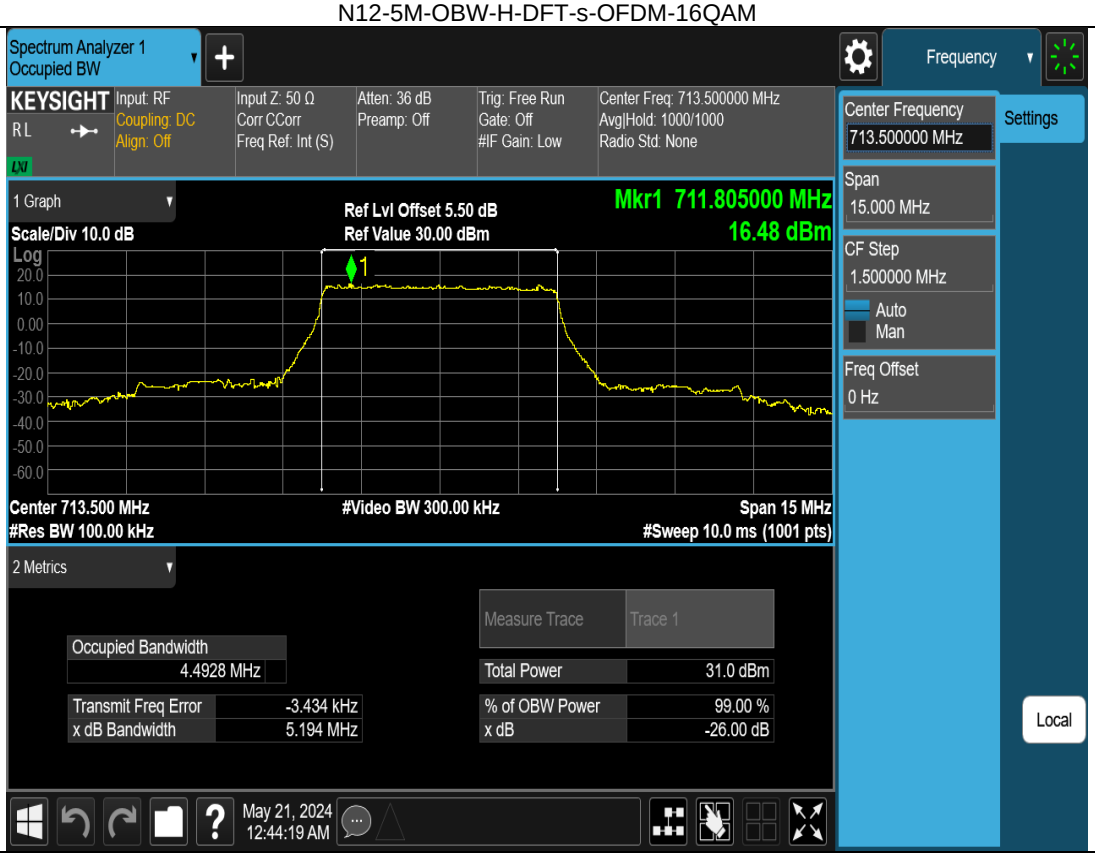

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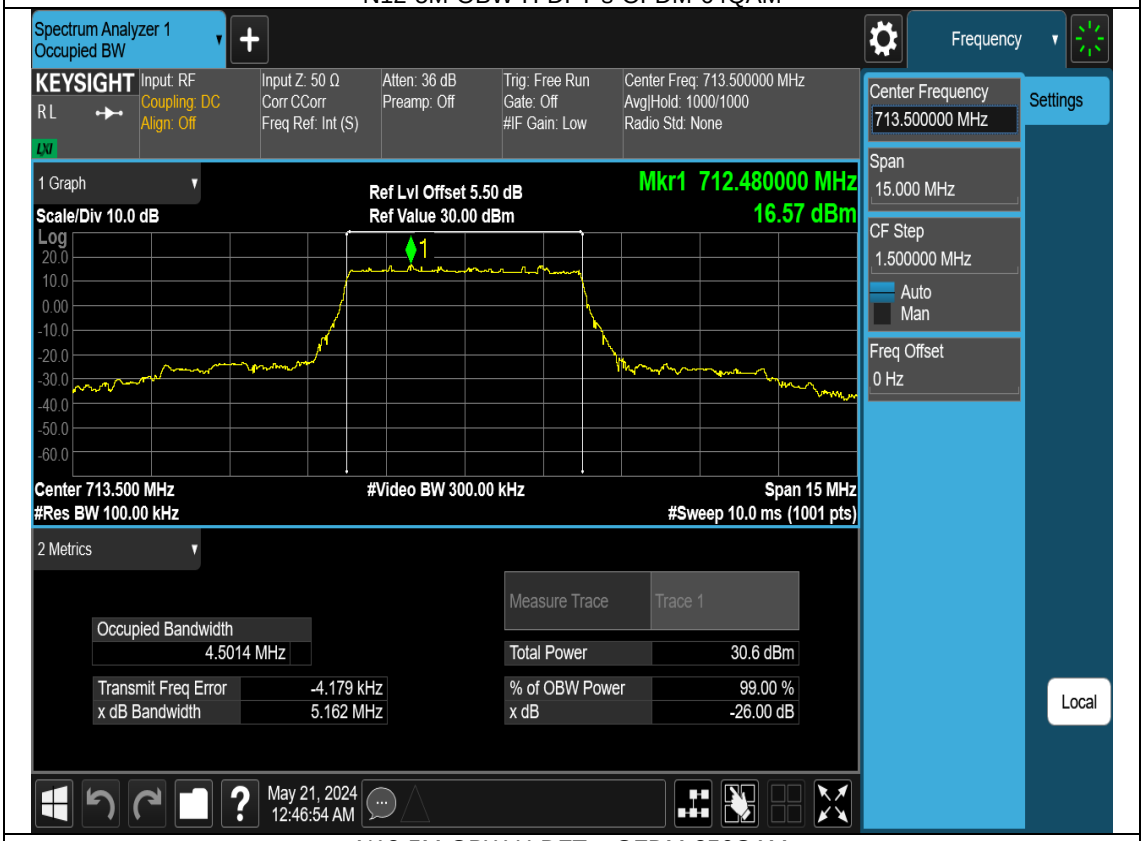

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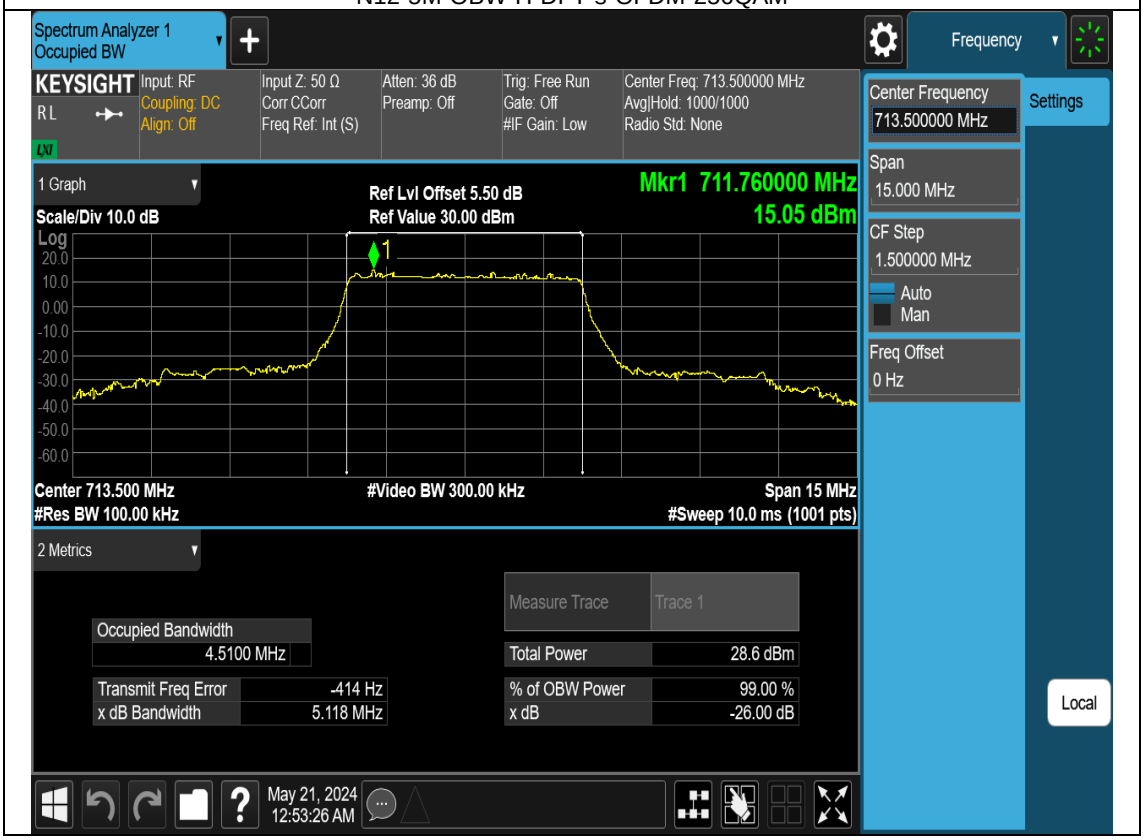
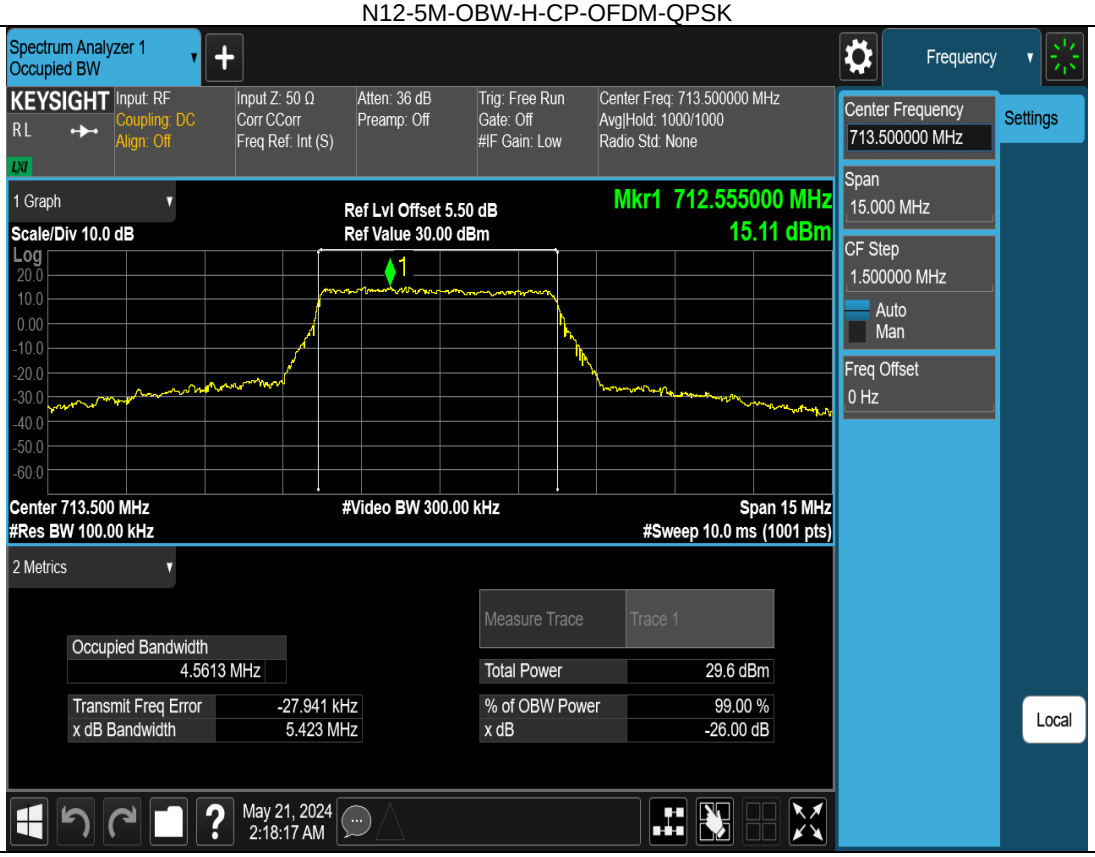
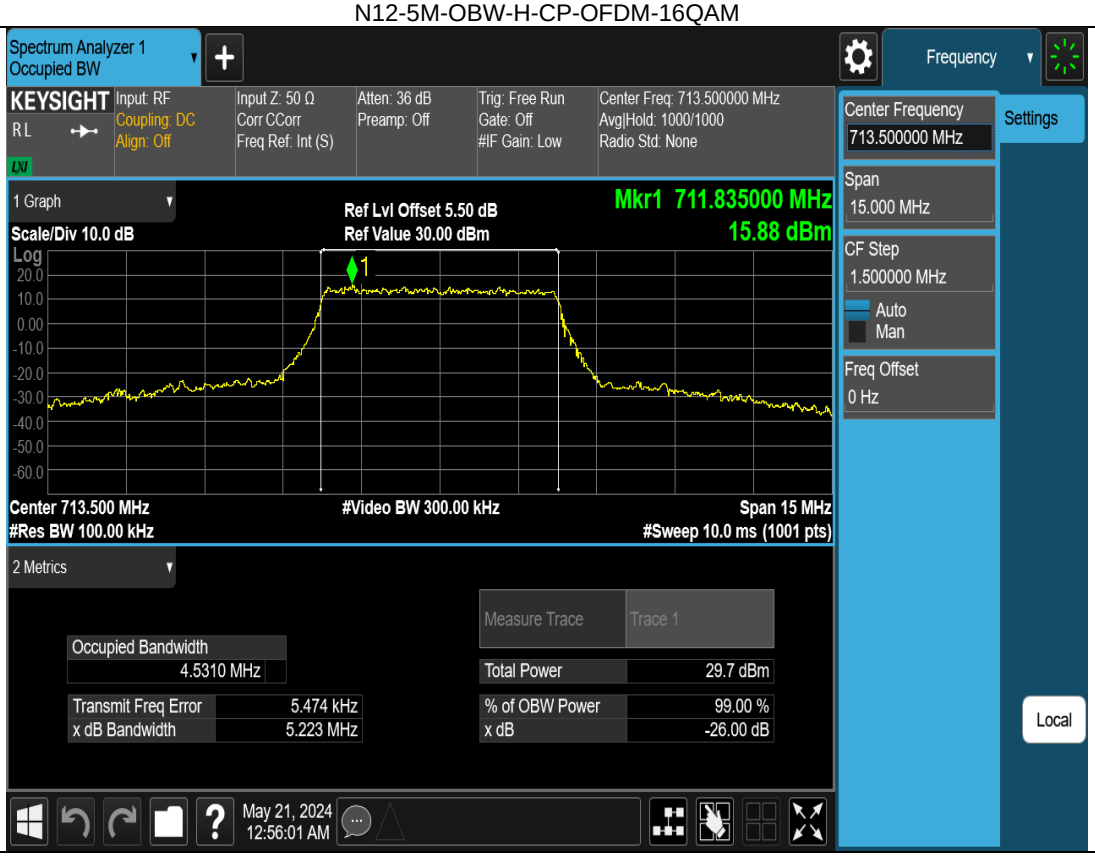


N12-5M-OBW-H-CP-OFDM-QPSK



N12-5M-OBW-H-CP-OFDM-16QAM



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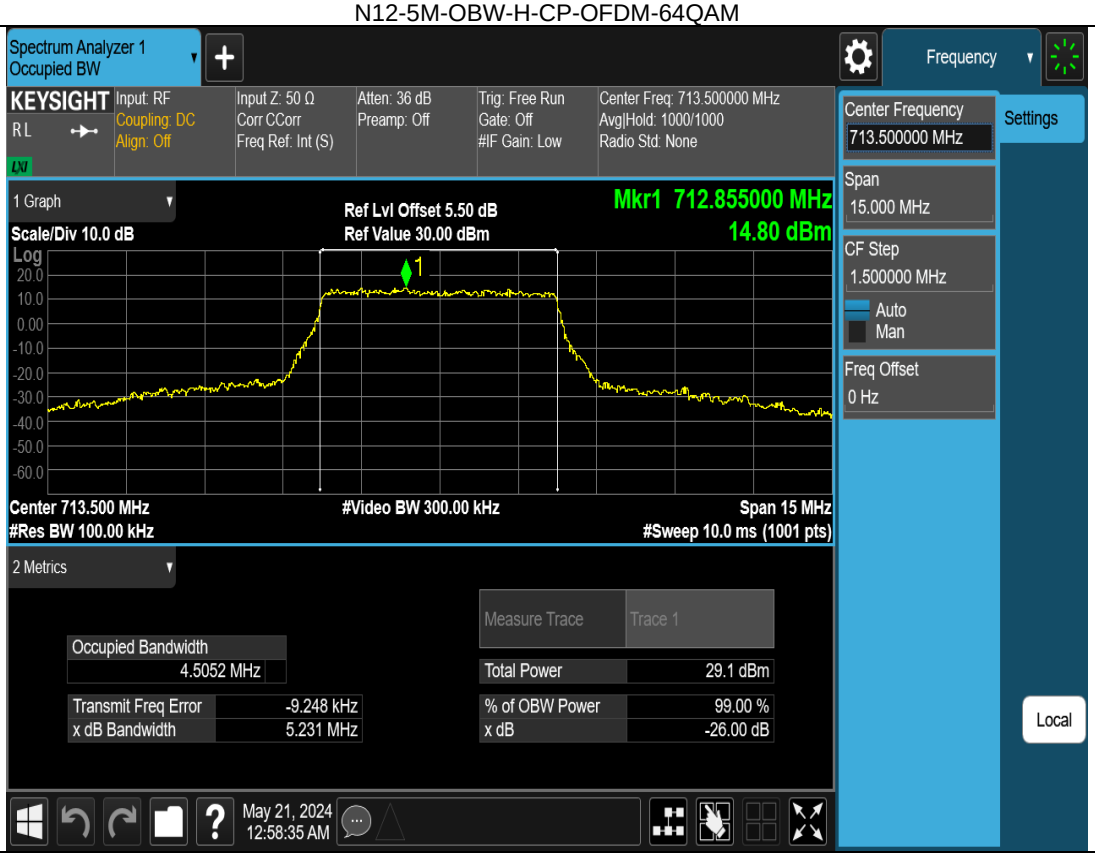

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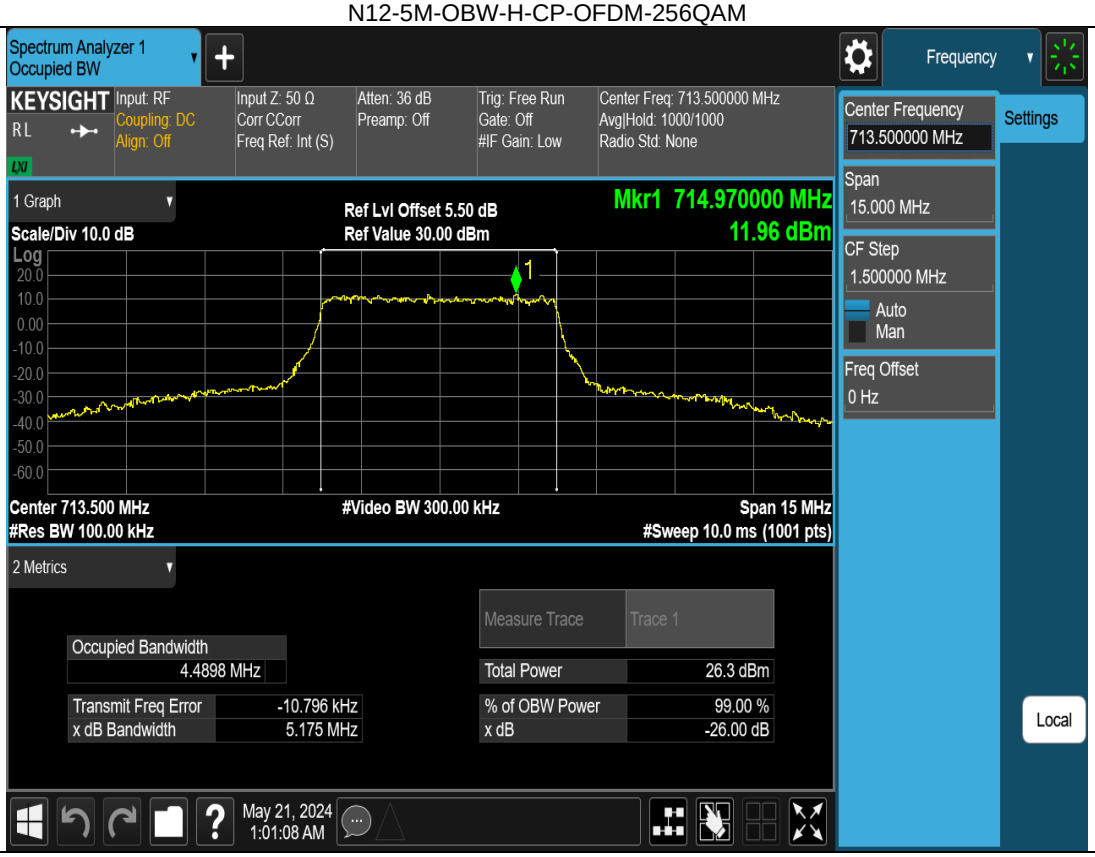
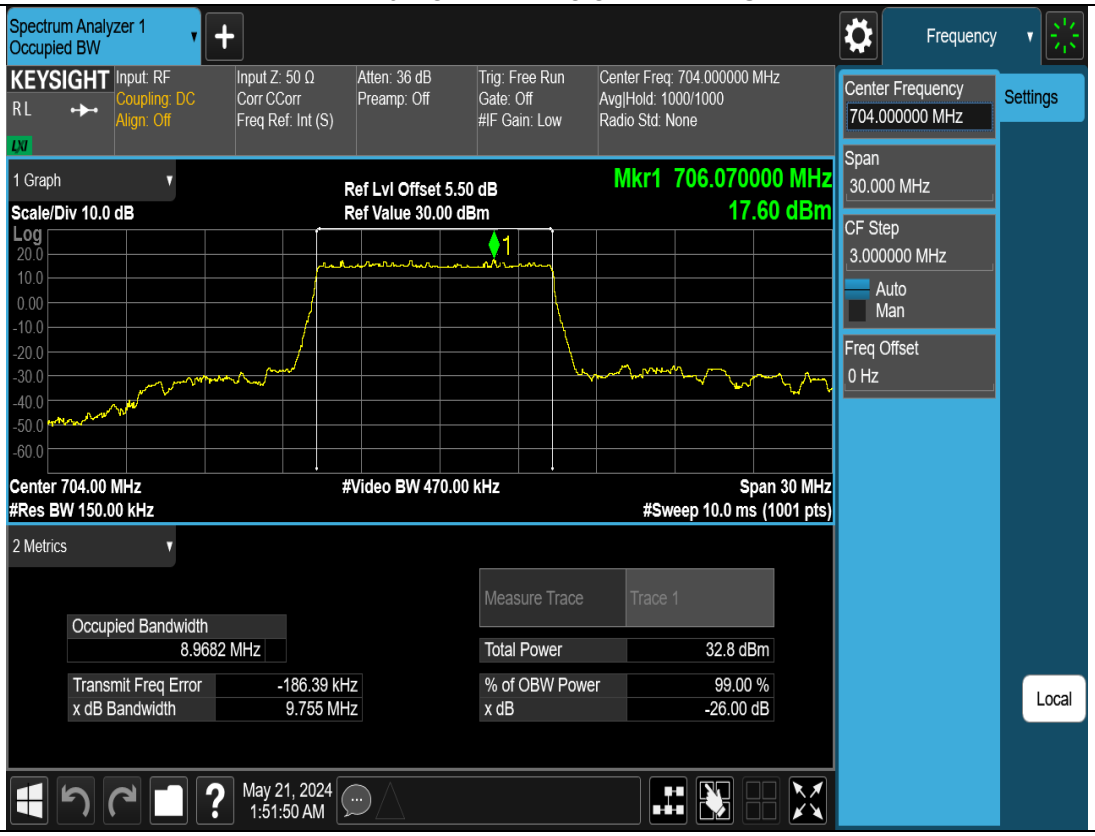
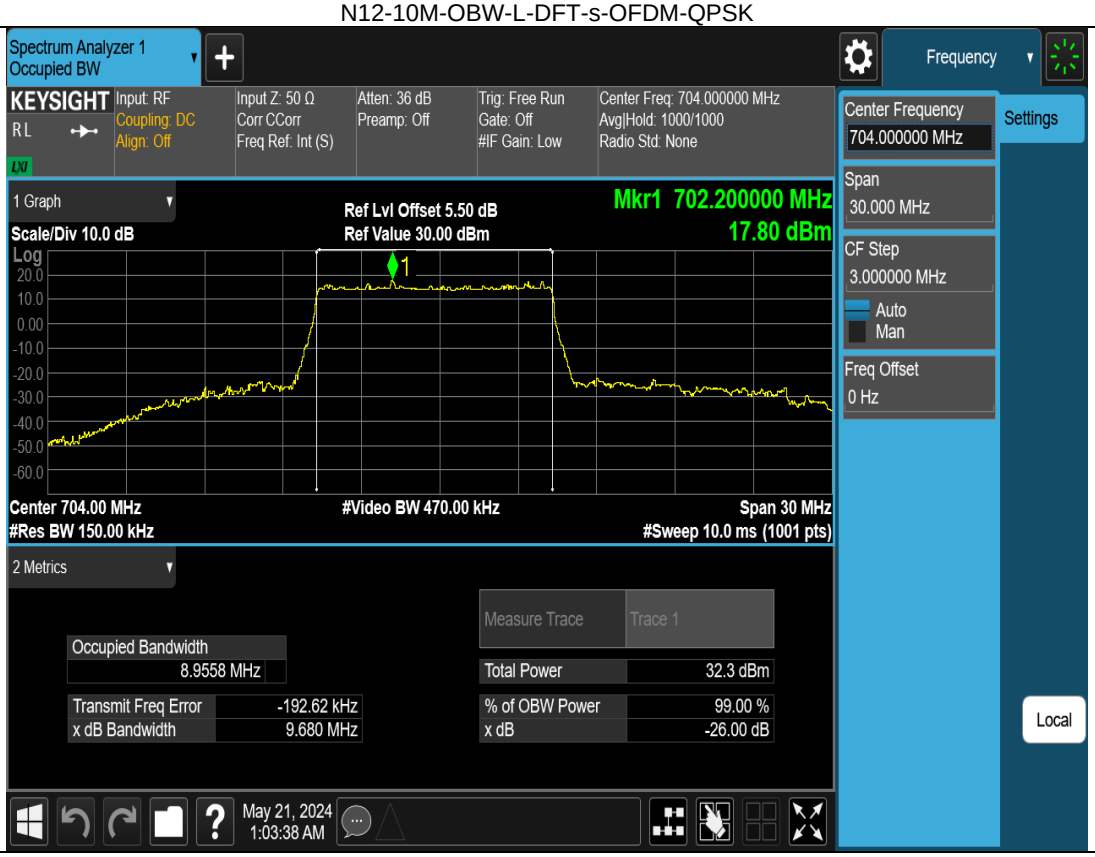


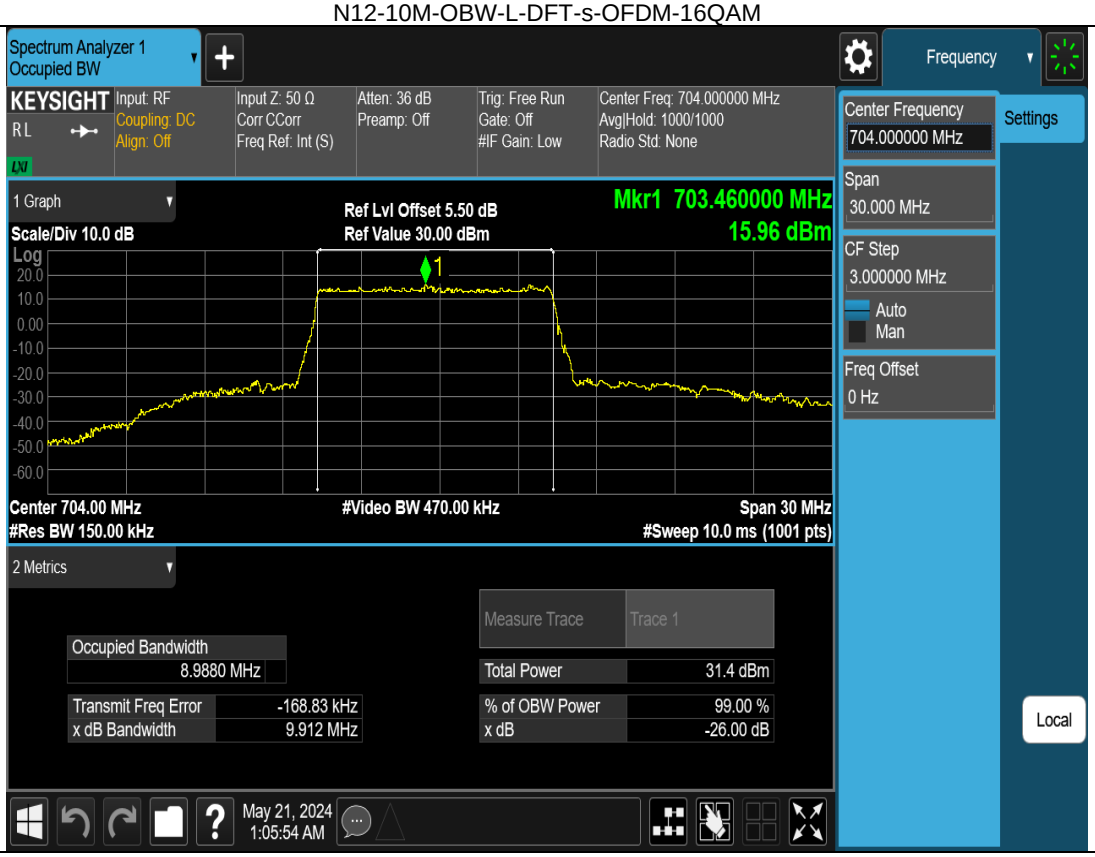
N12-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N12-10M-OBW-L-DFT-s-OFDM-QPSK



N12-10M-OBW-L-DFT-s-OFDM-16QAM



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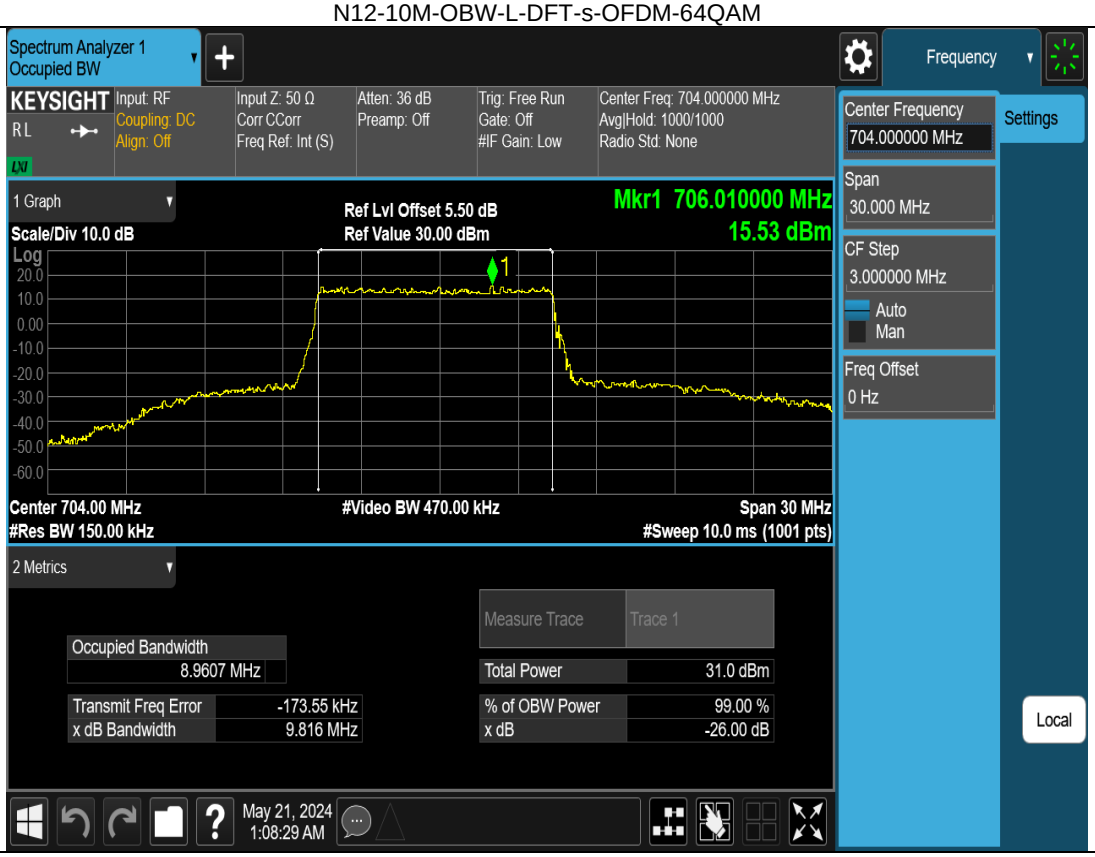
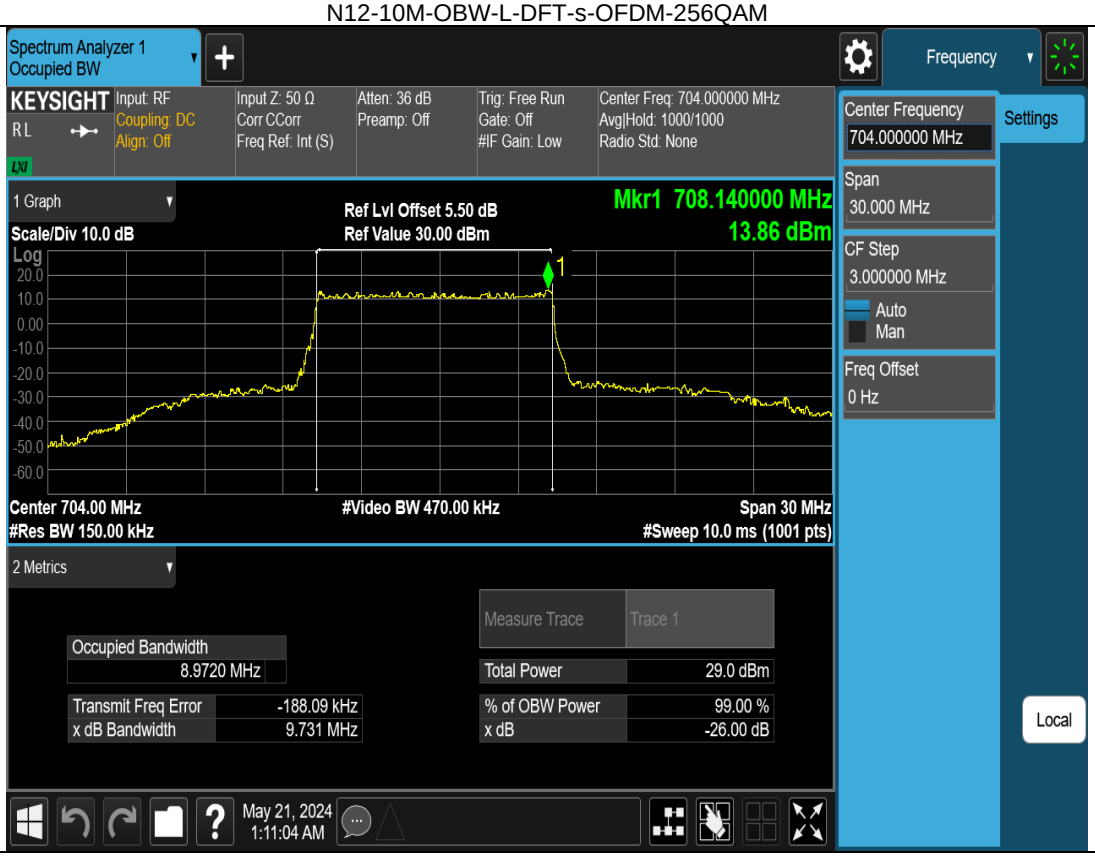
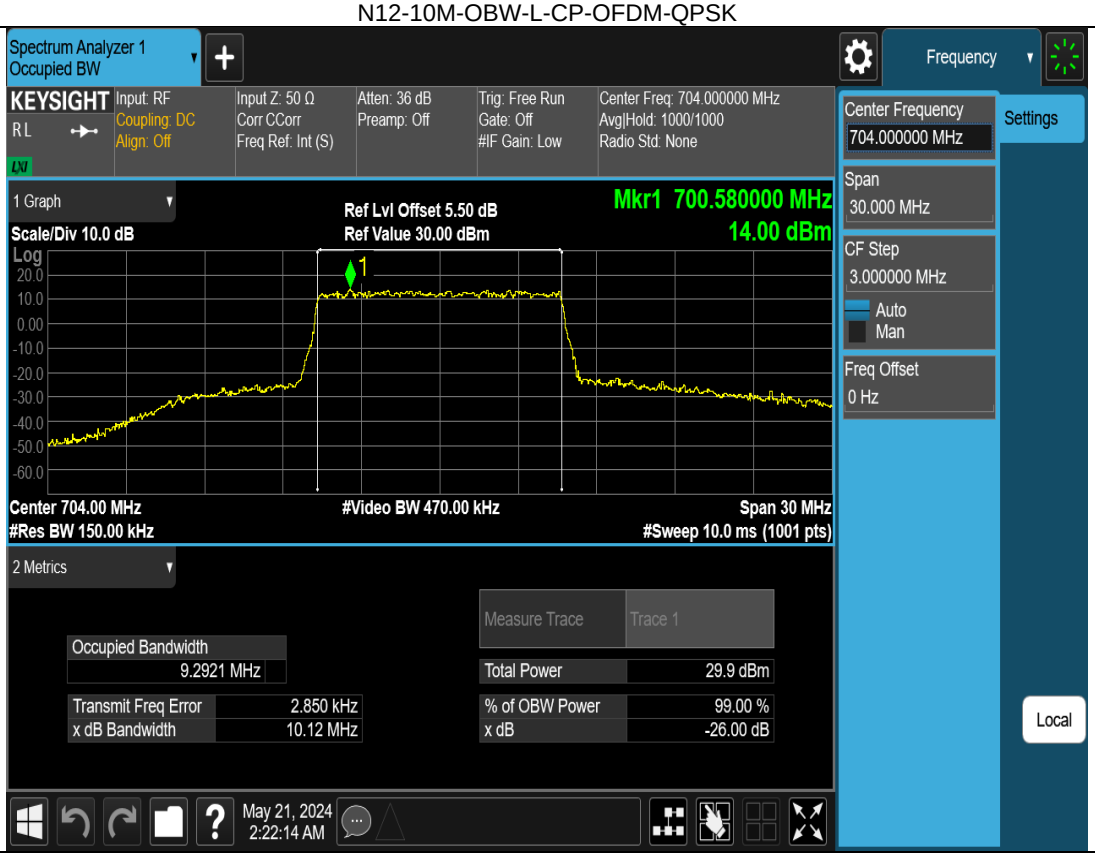


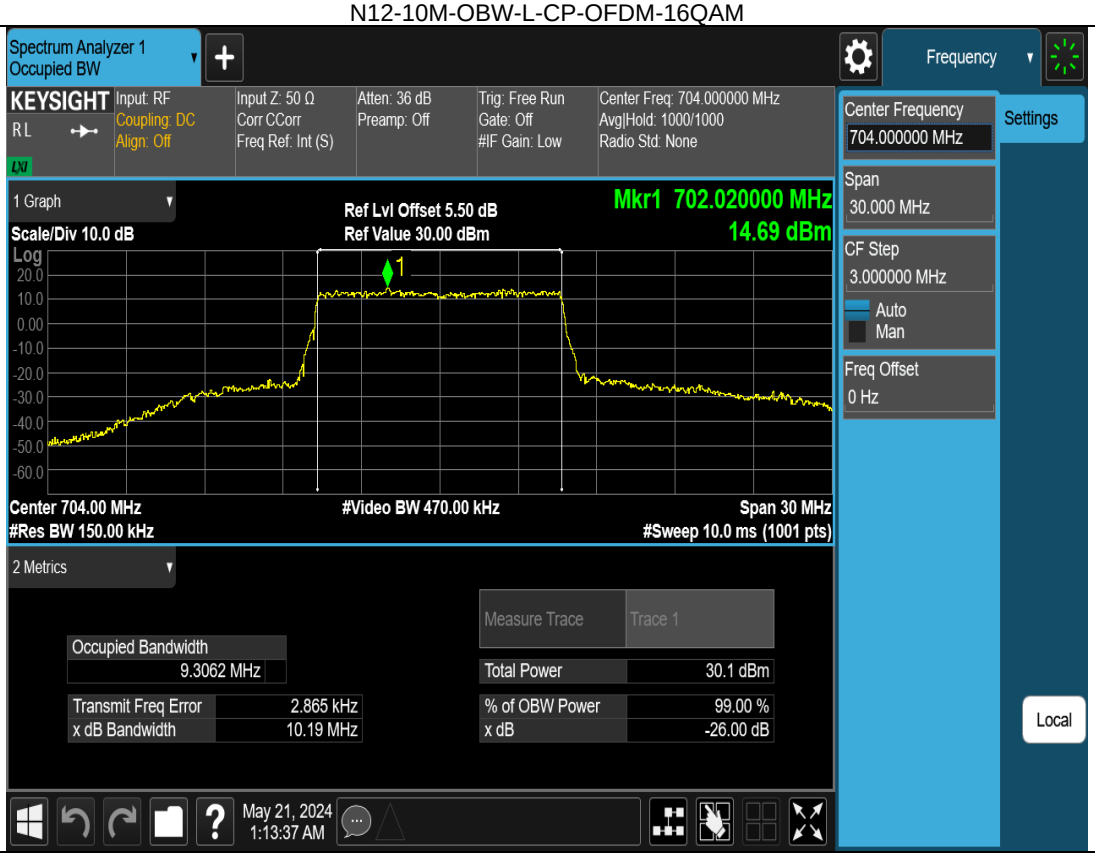
N12-10M-OBW-L-DFT-s-OFDM-256QAM



N12-10M-OBW-L-CP-OFDM-QPSK



N12-10M-OBW-L-CP-OFDM-16QAM



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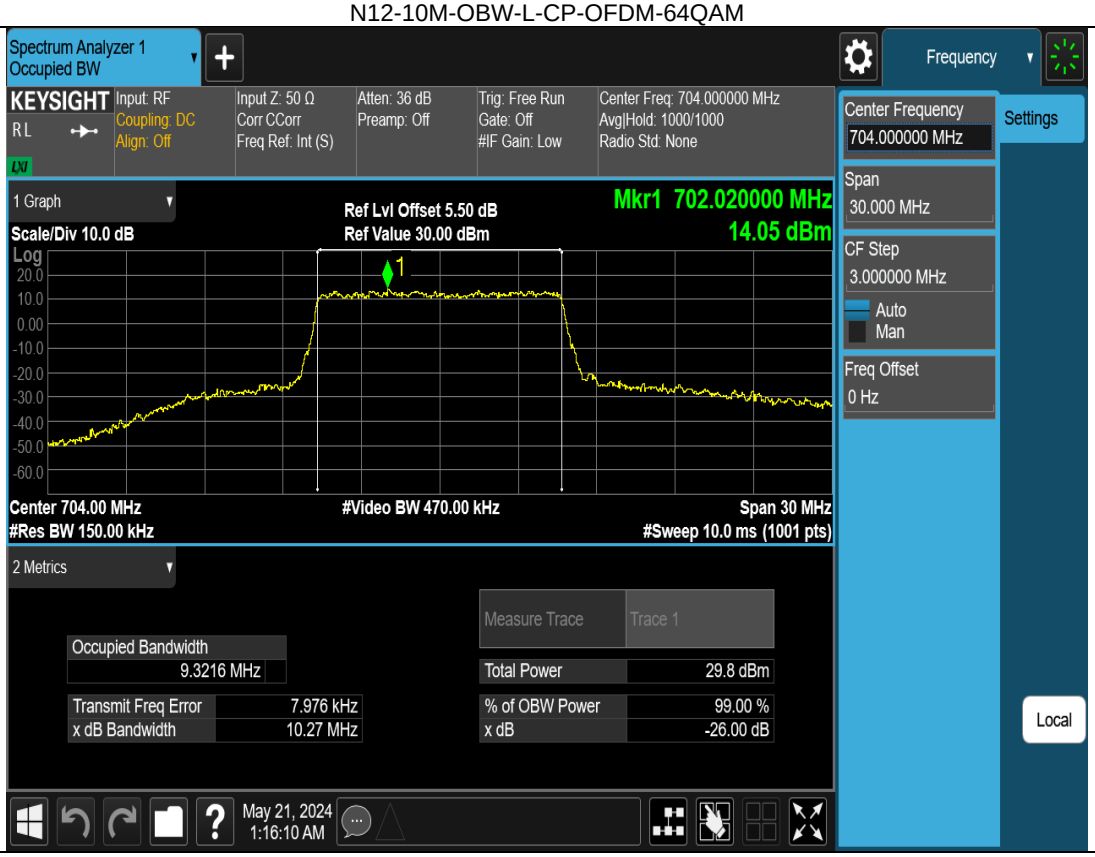

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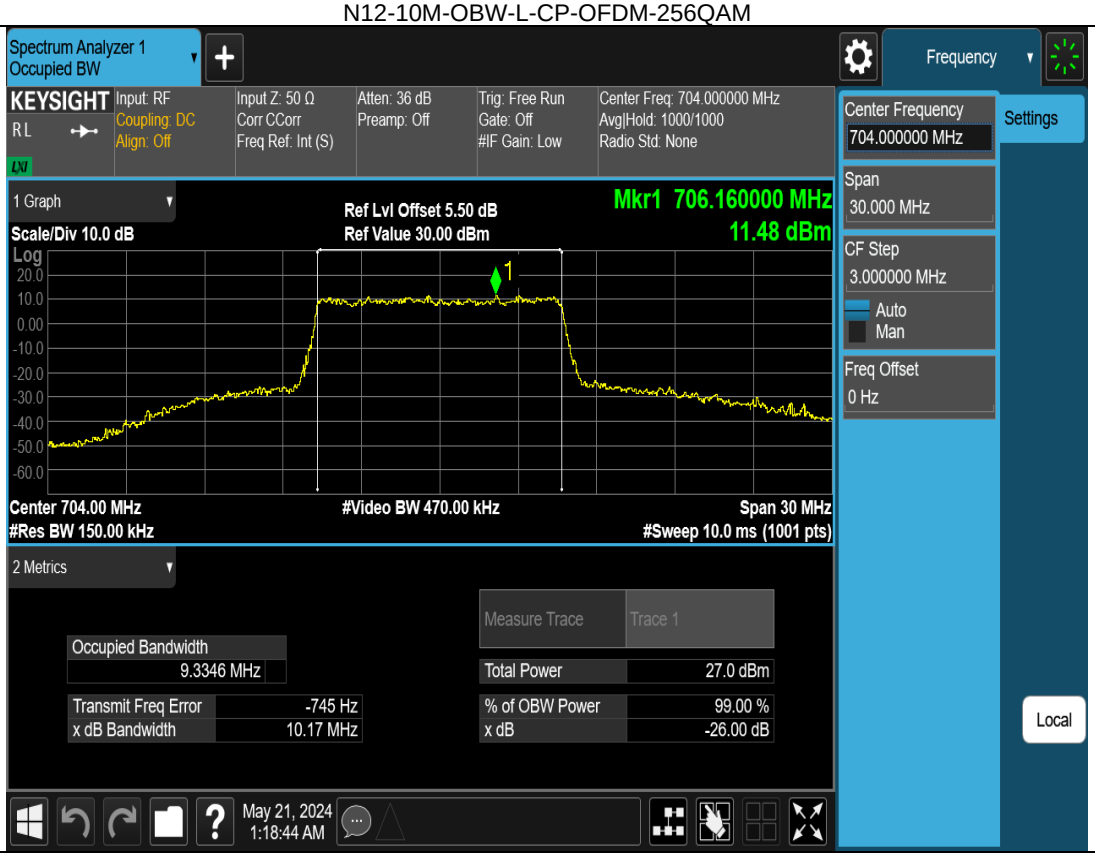
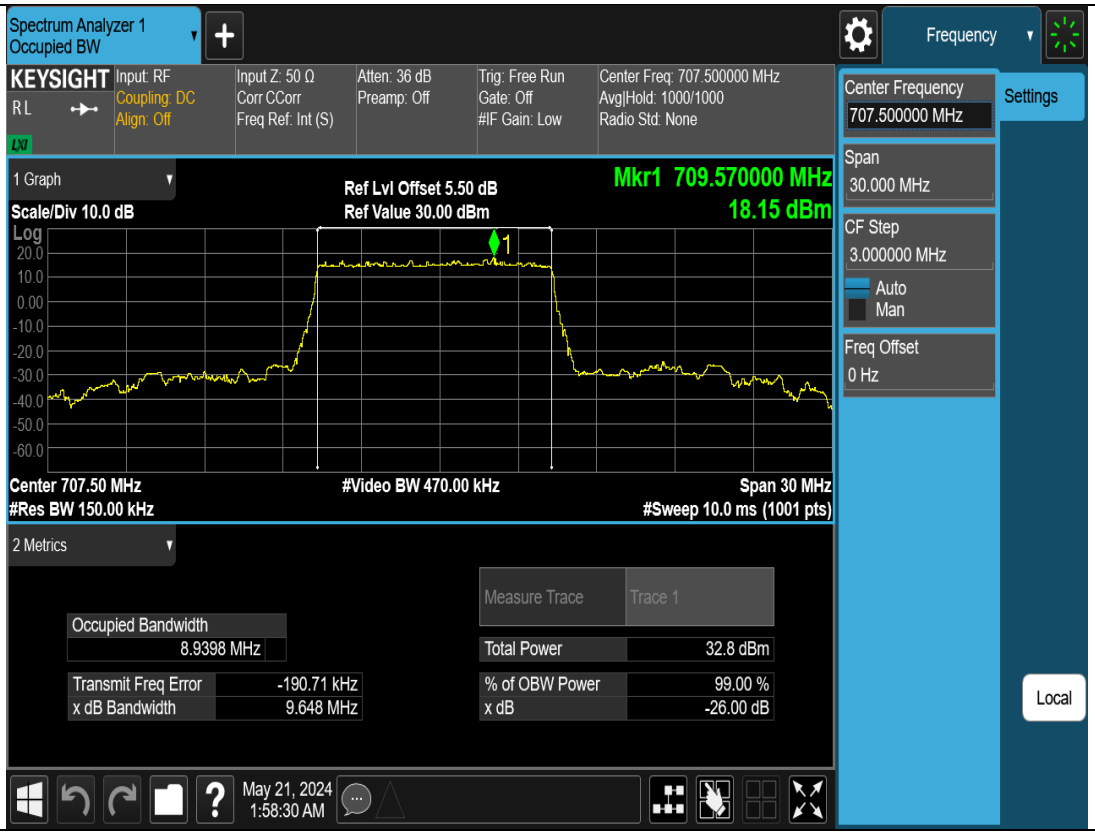
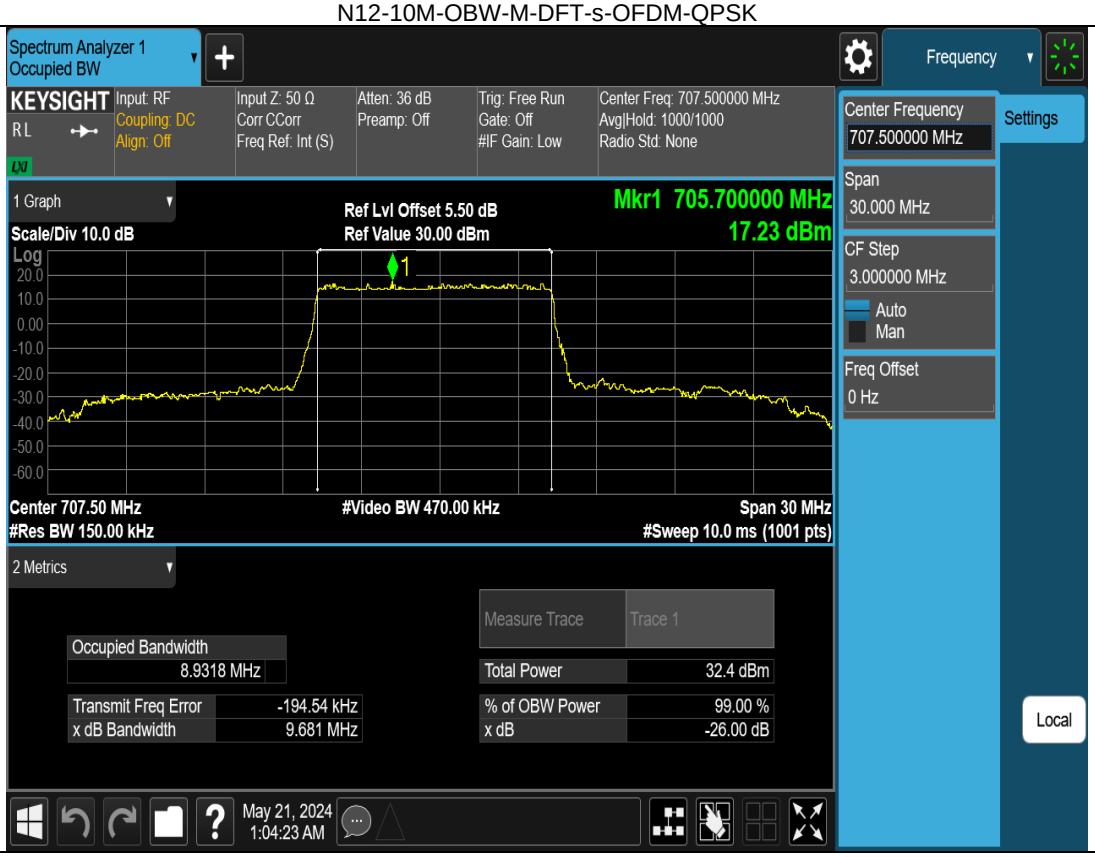


N12-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N12-10M-OBW-M-DFT-s-OFDM-QPSK



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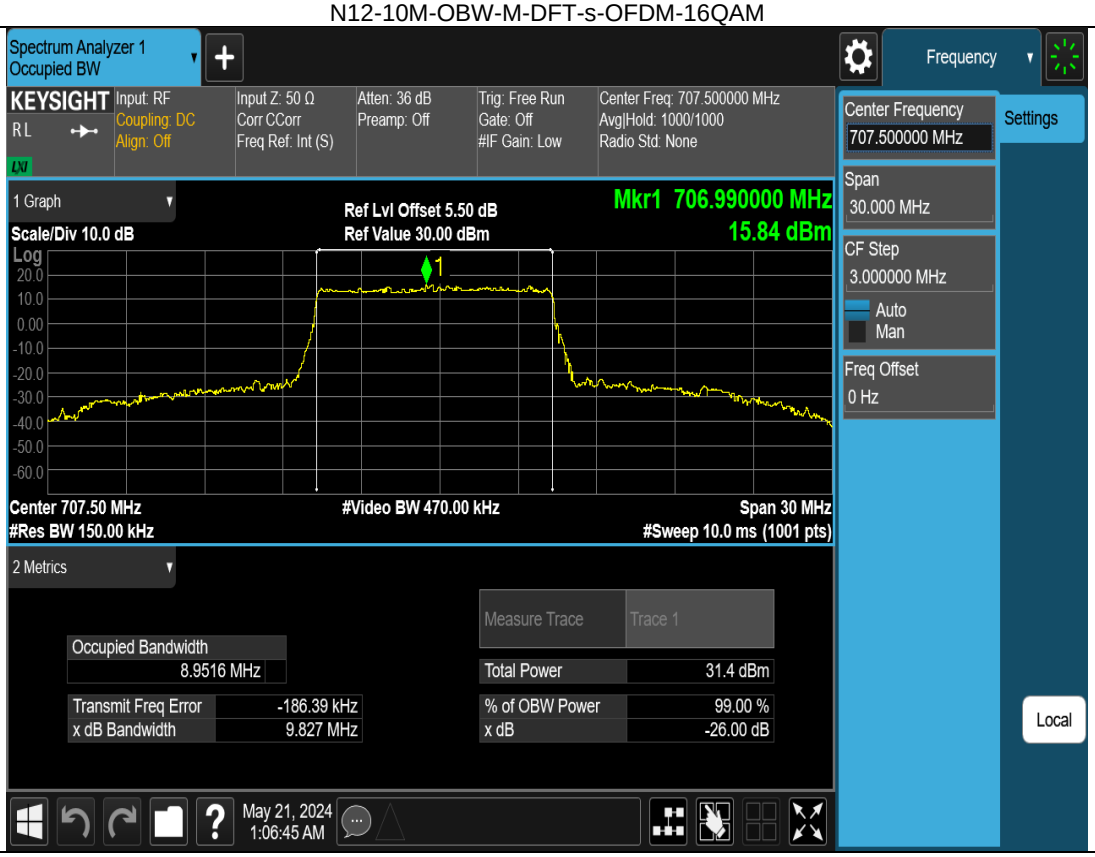

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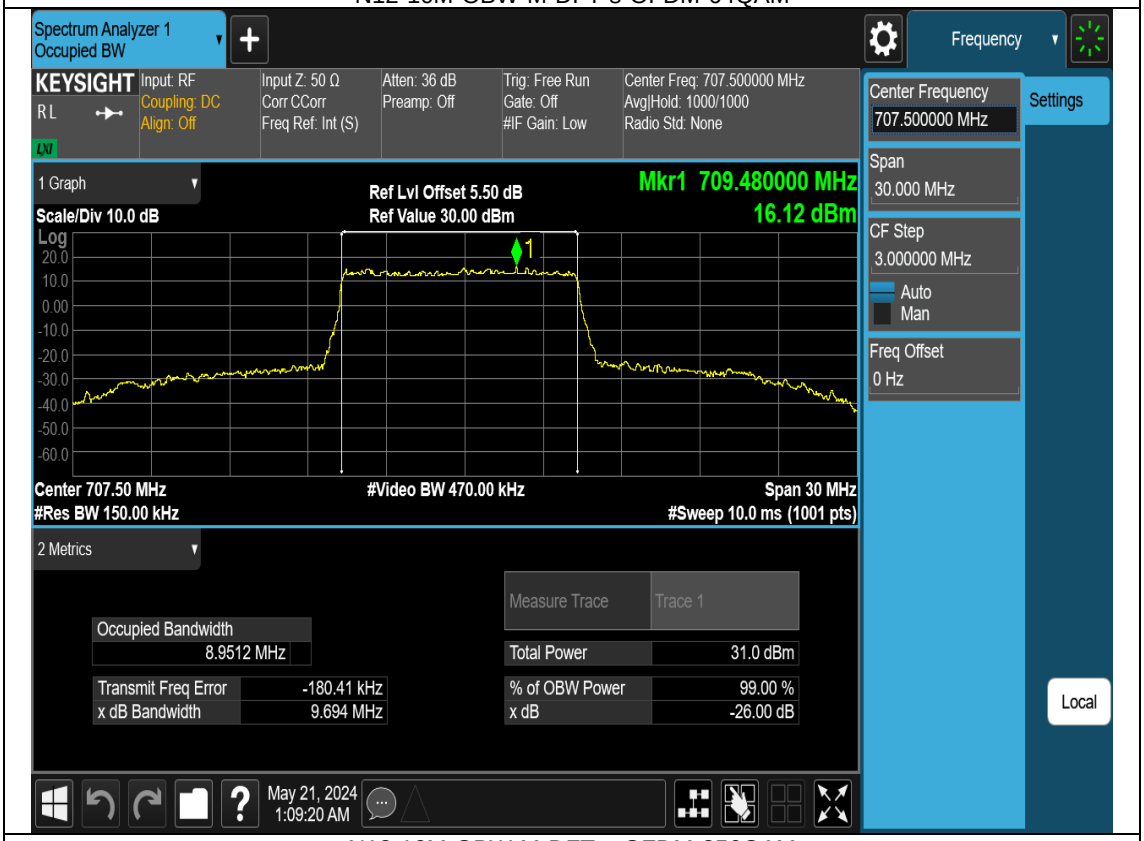

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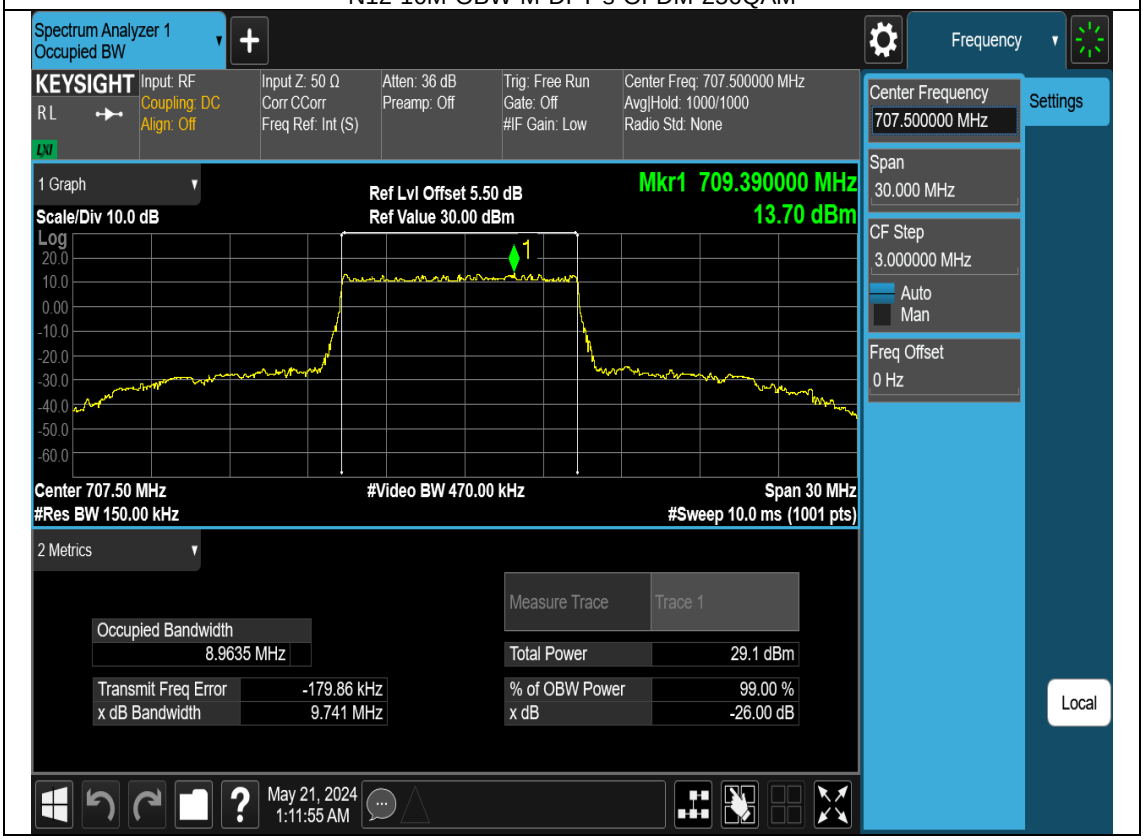

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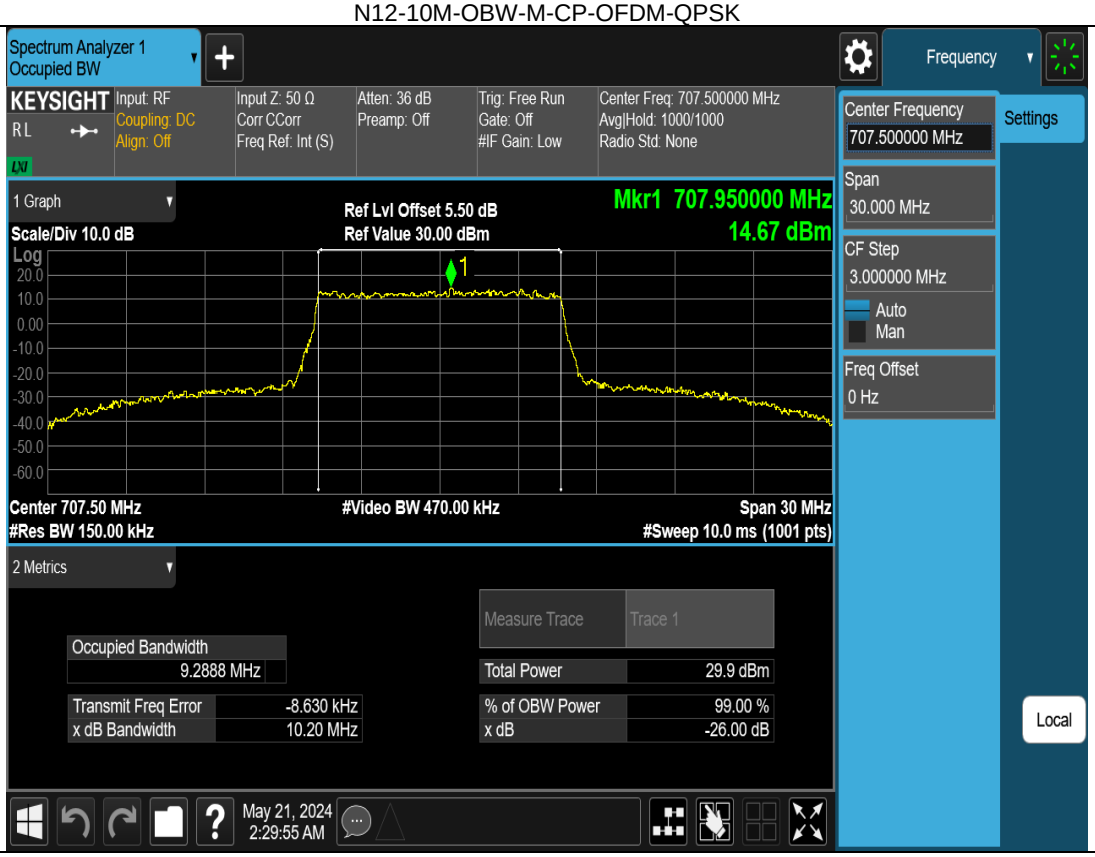

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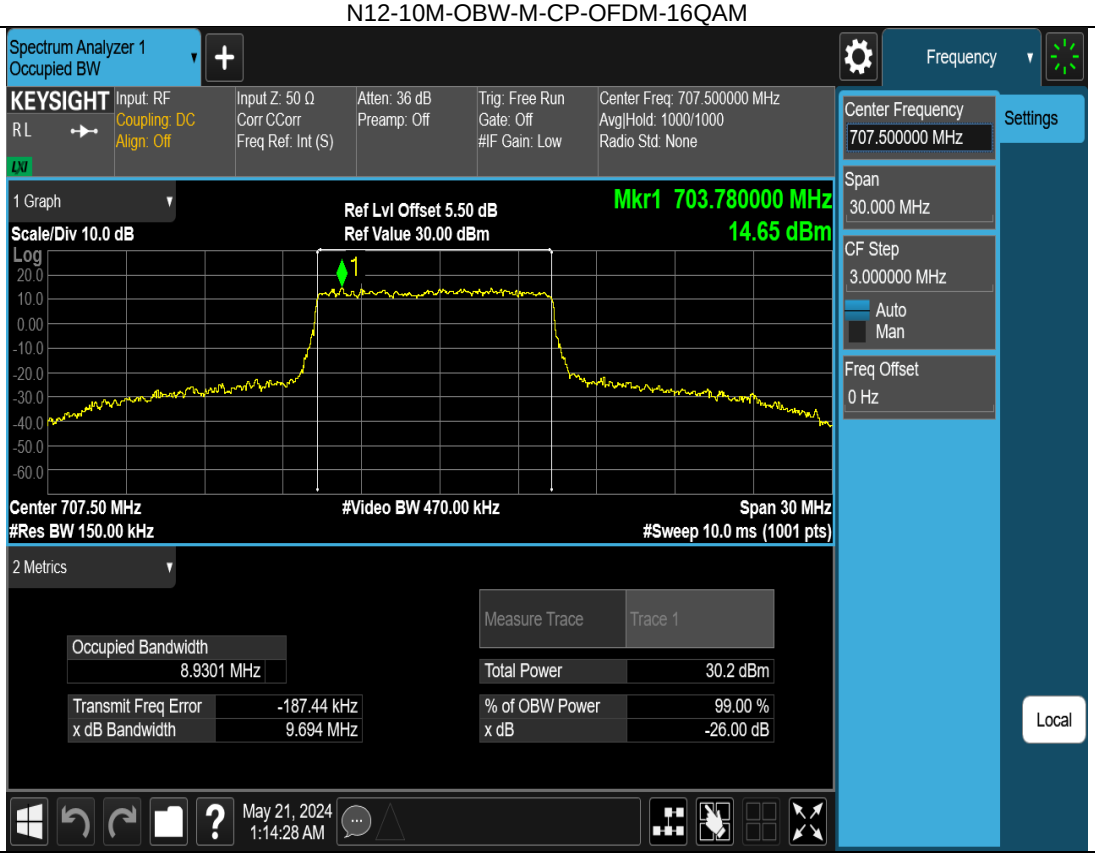

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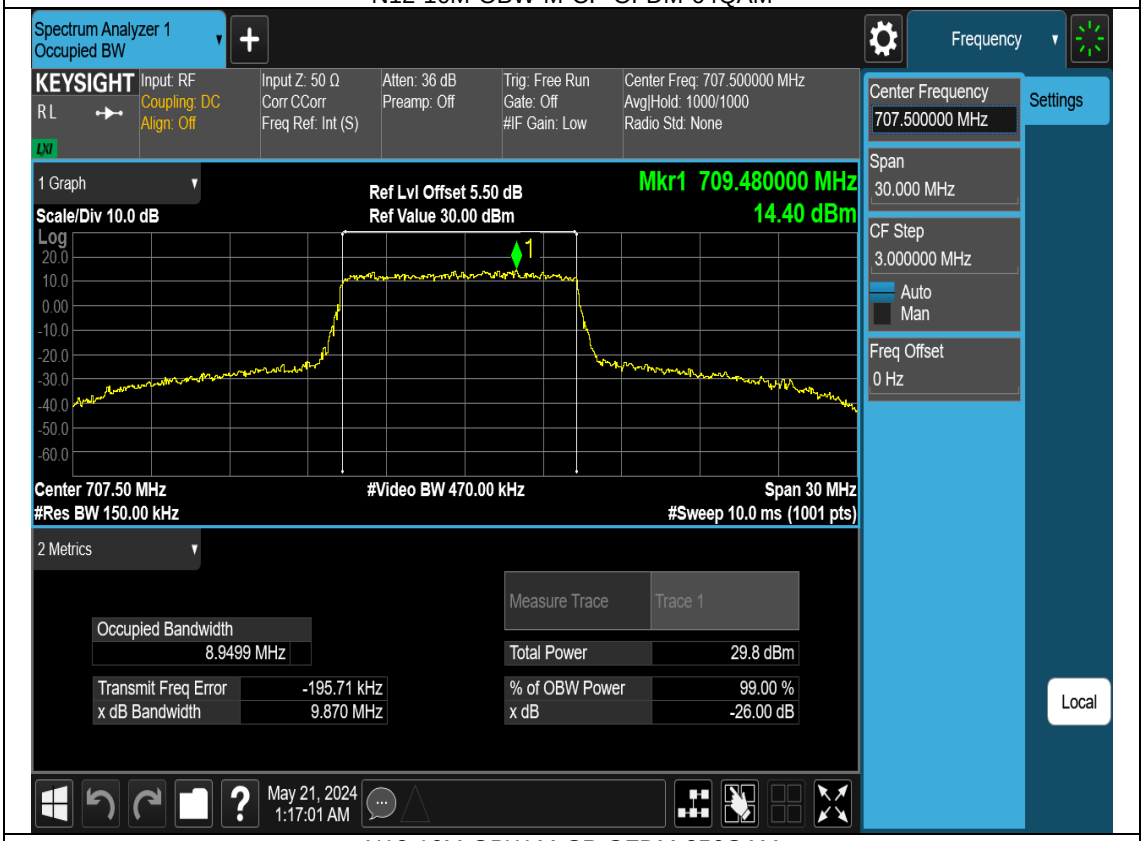

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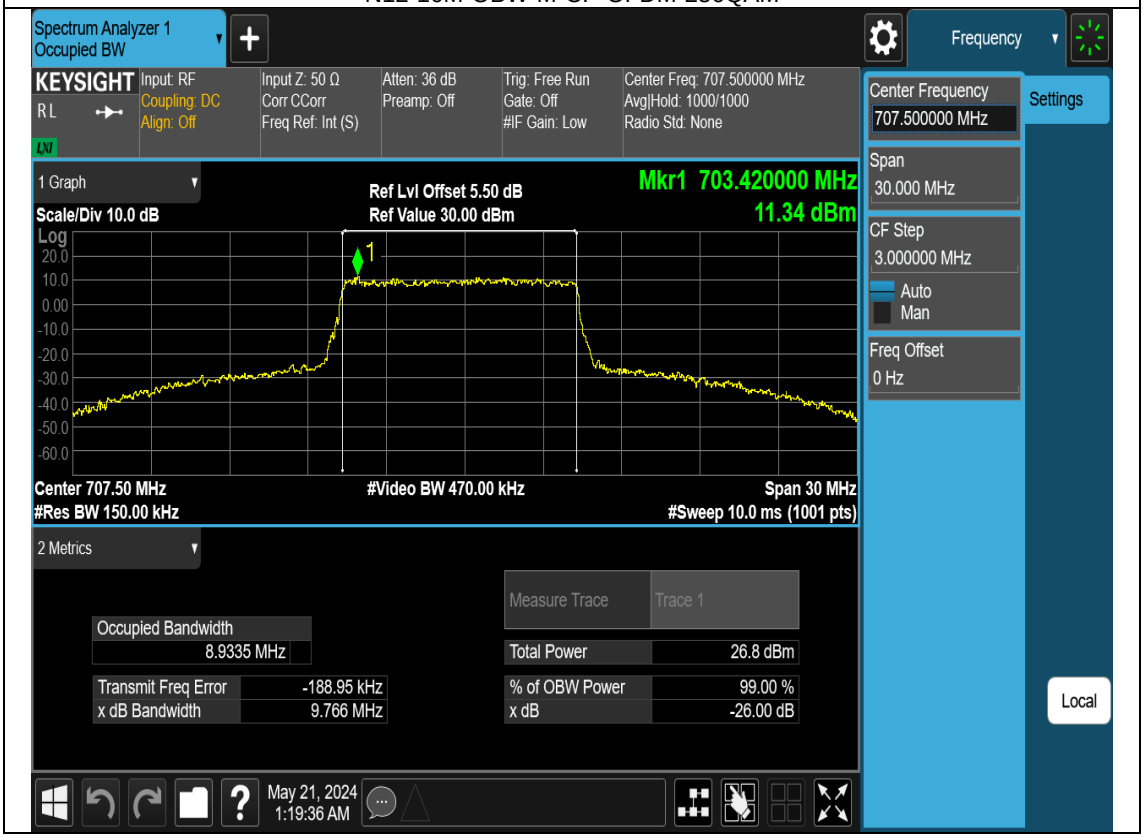

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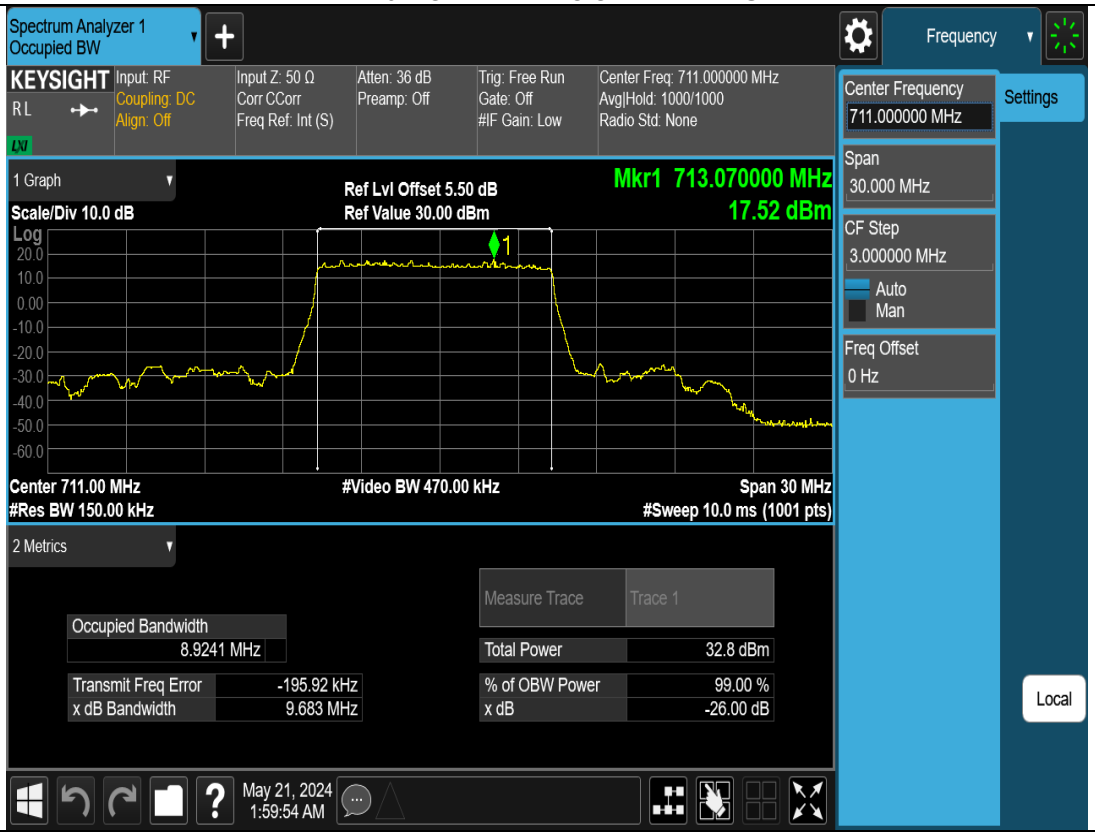

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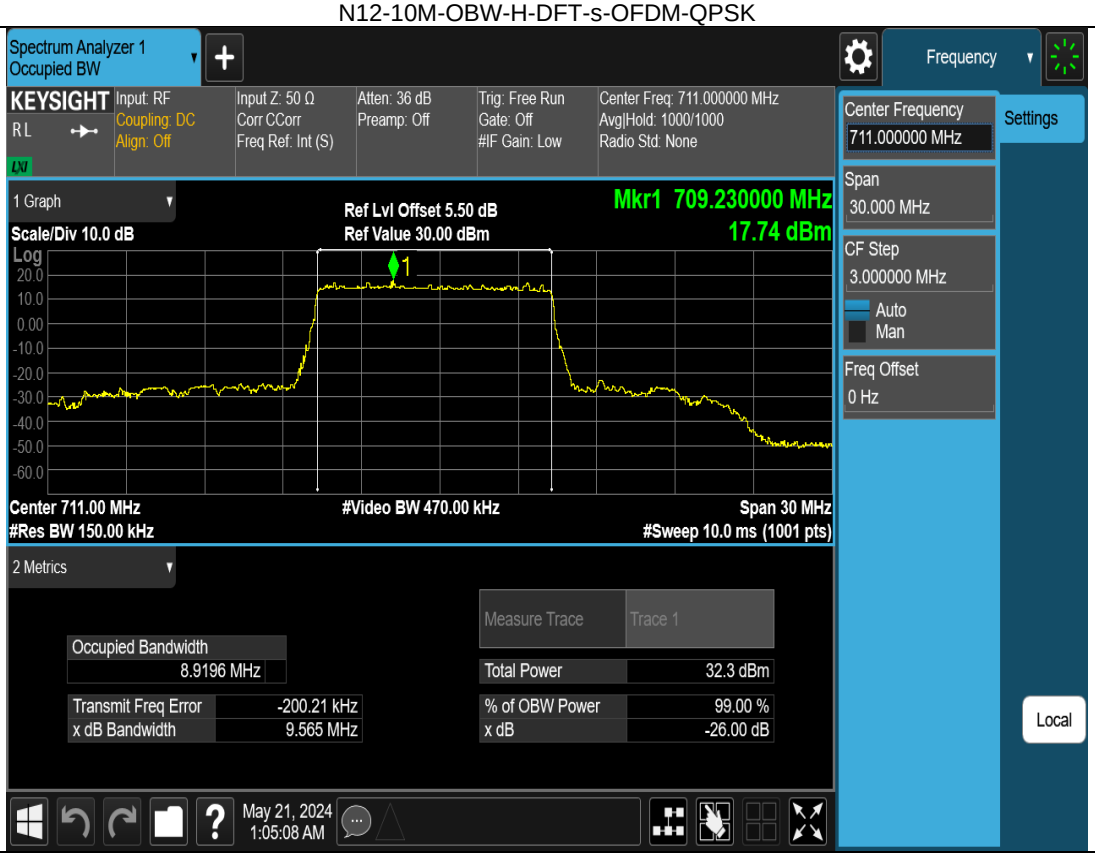

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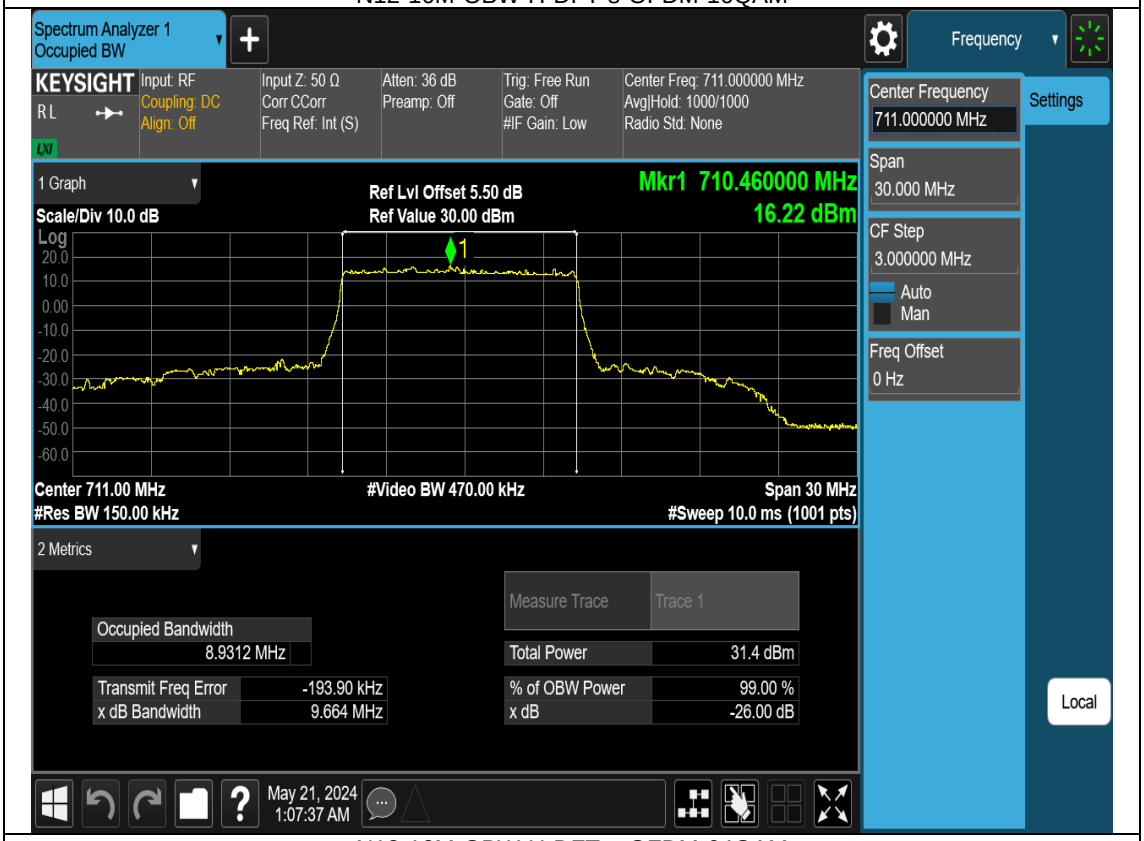

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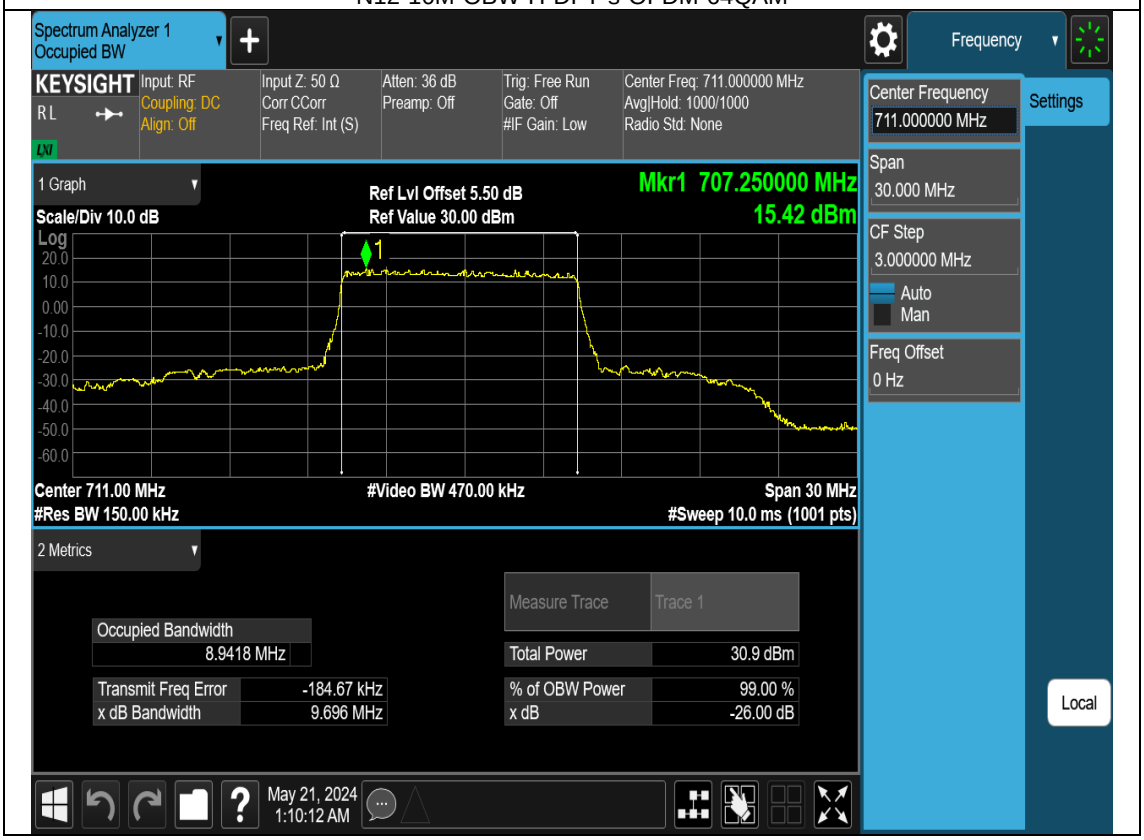

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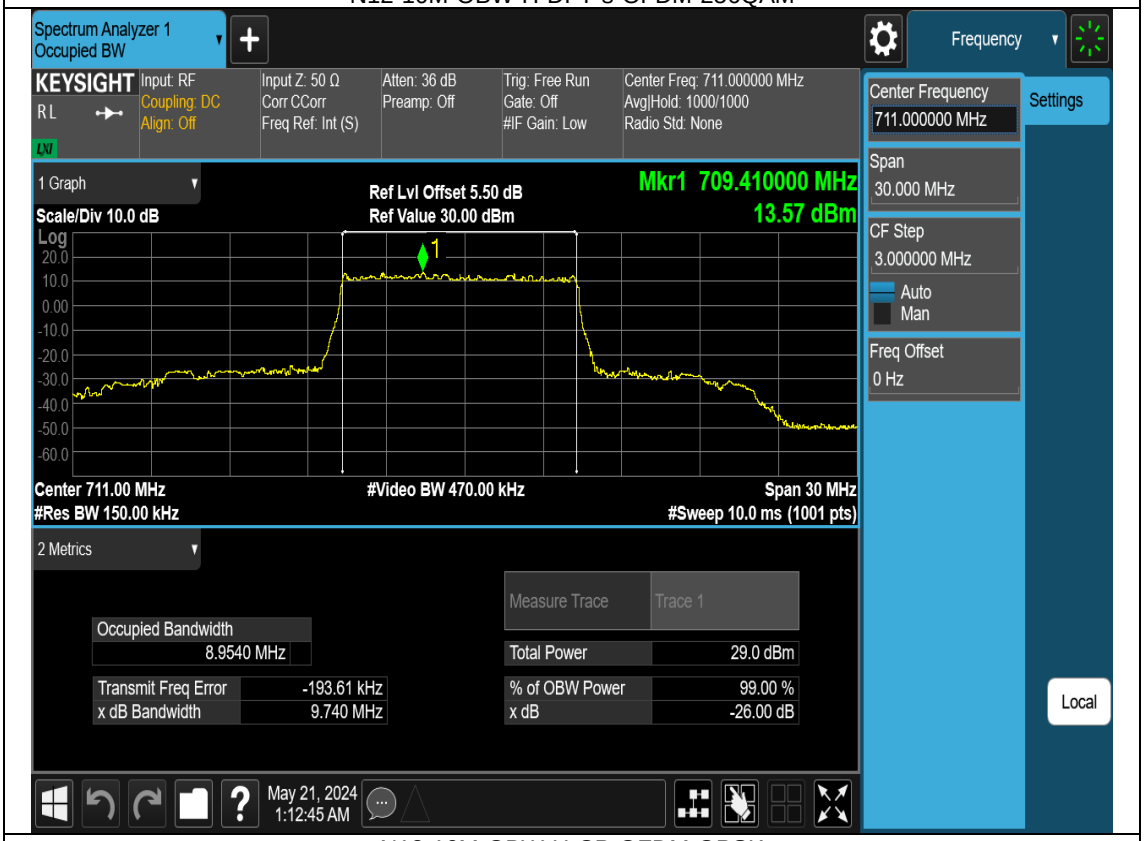

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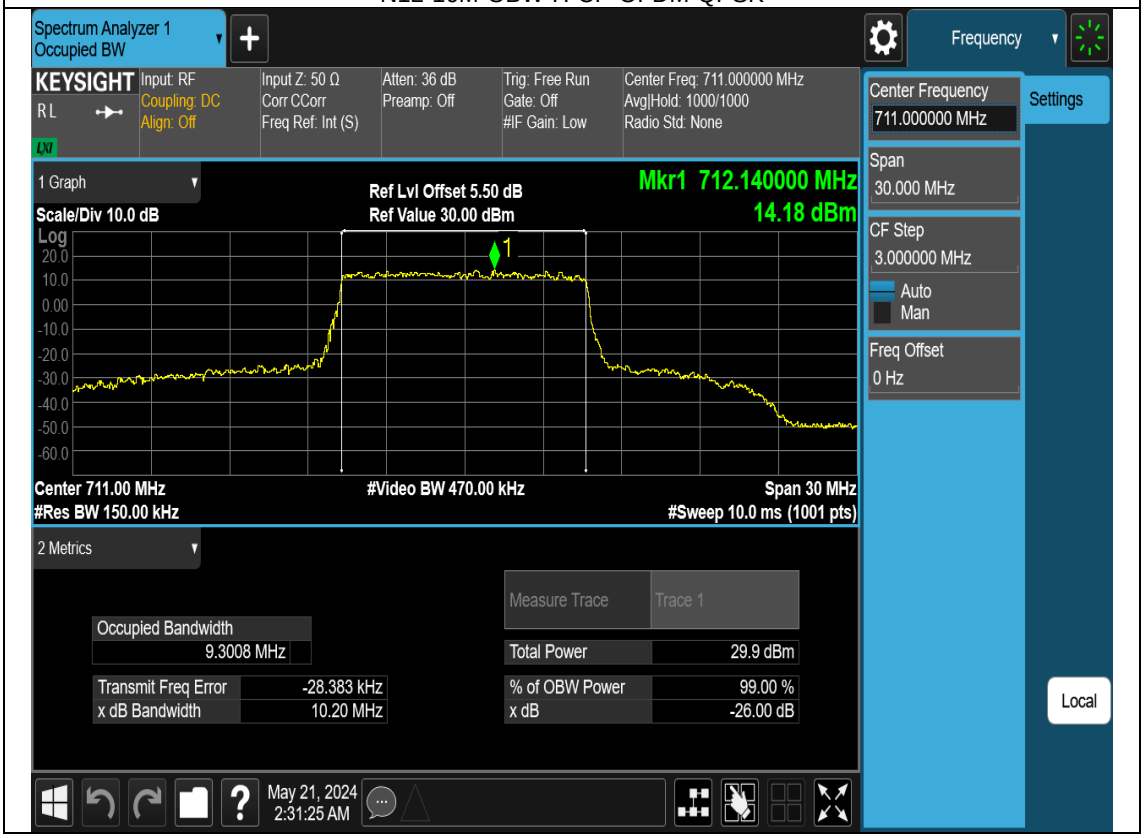

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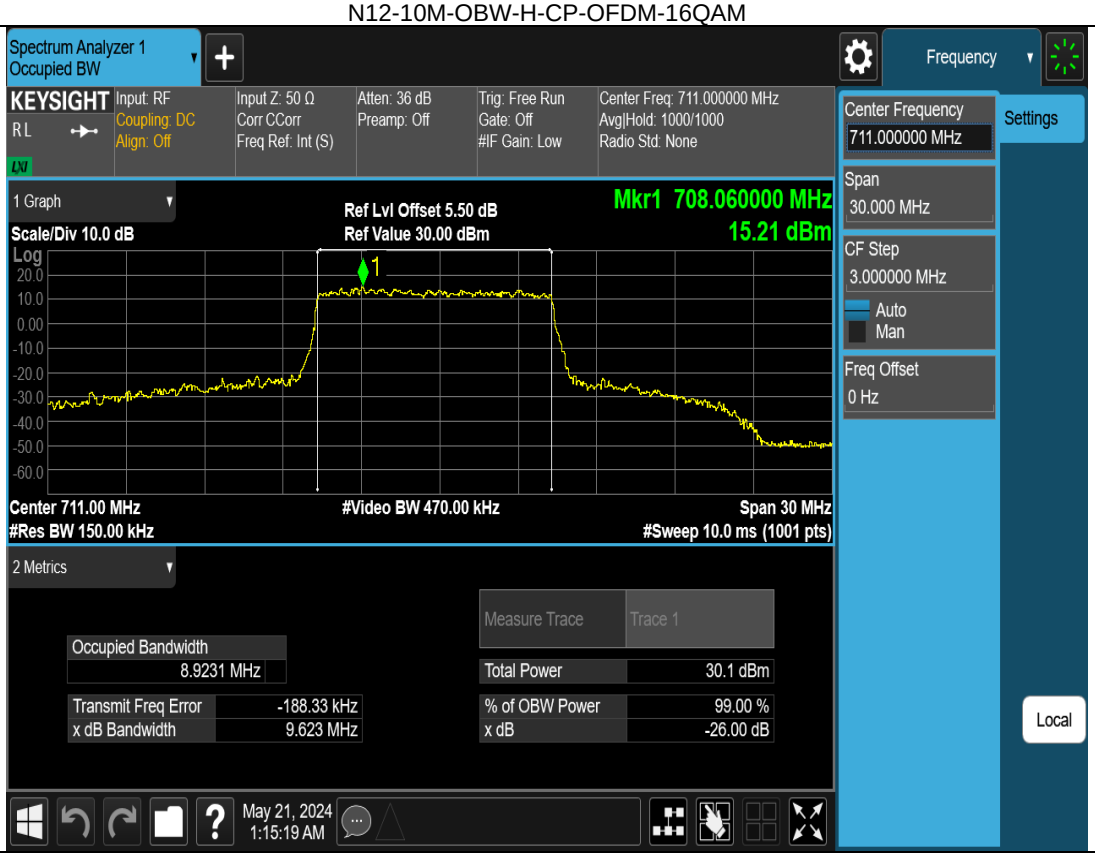

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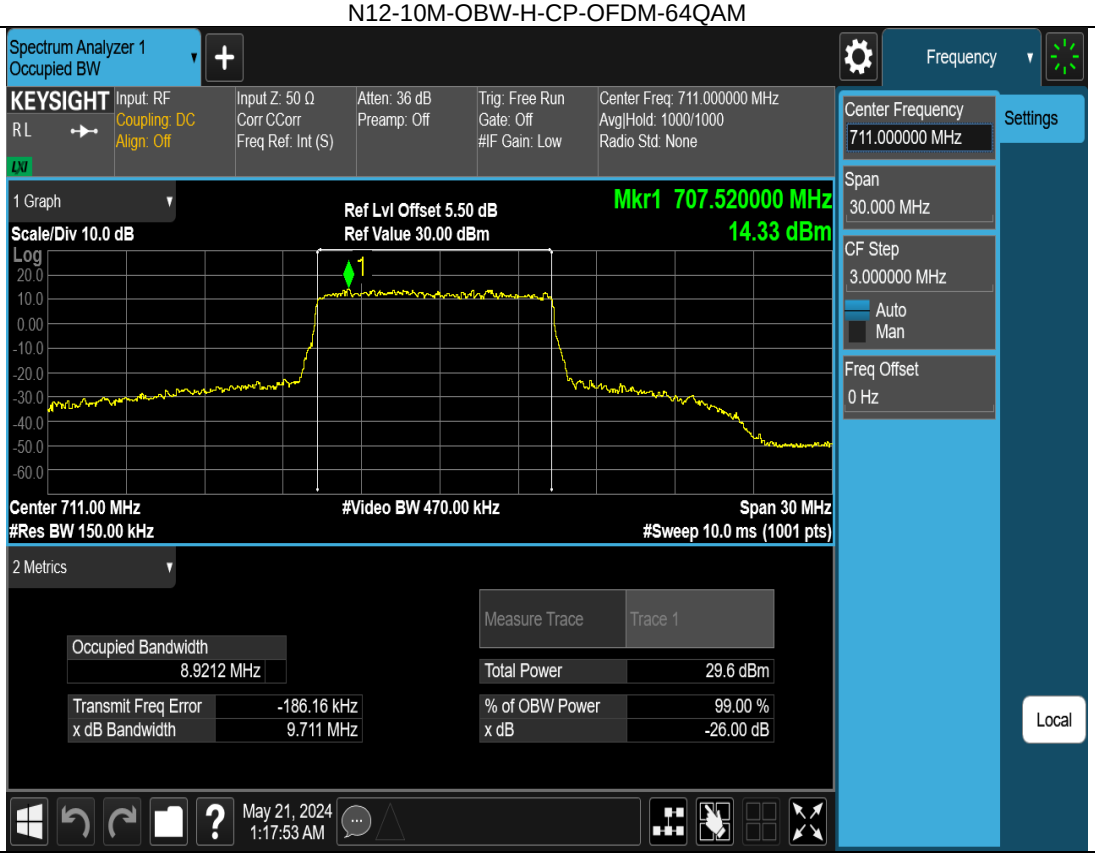

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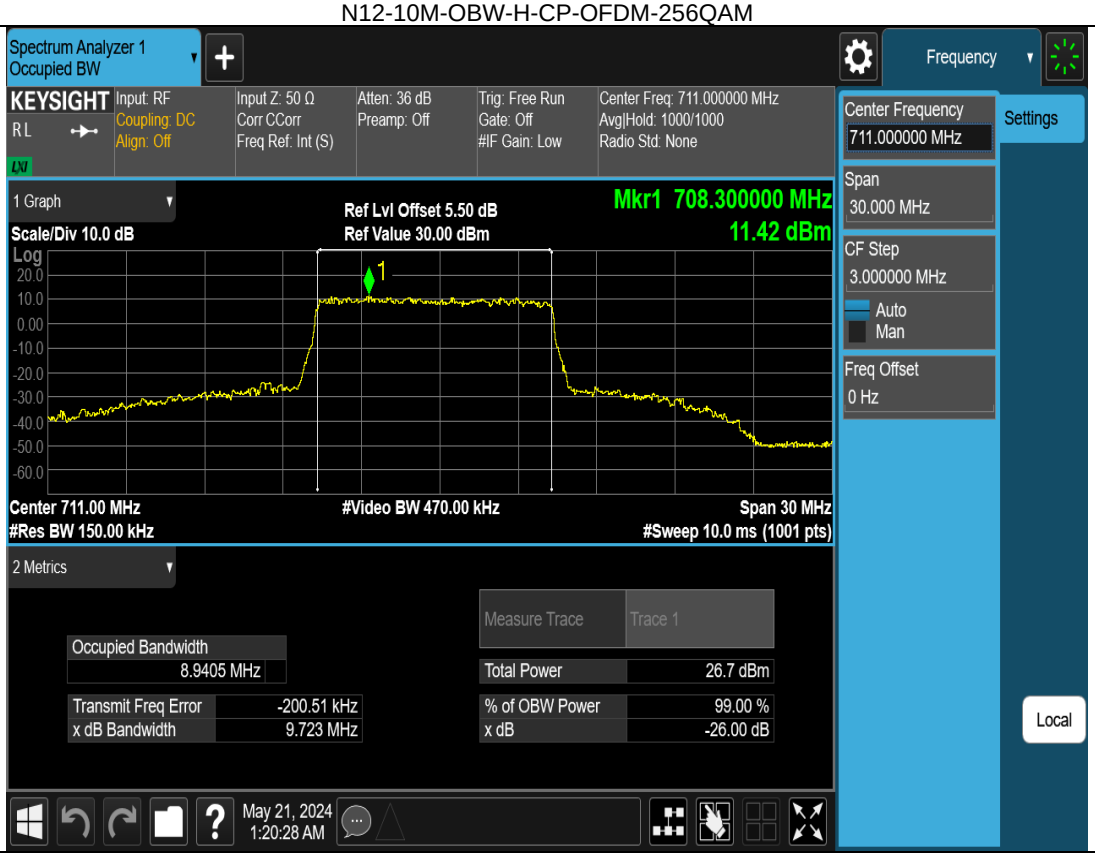

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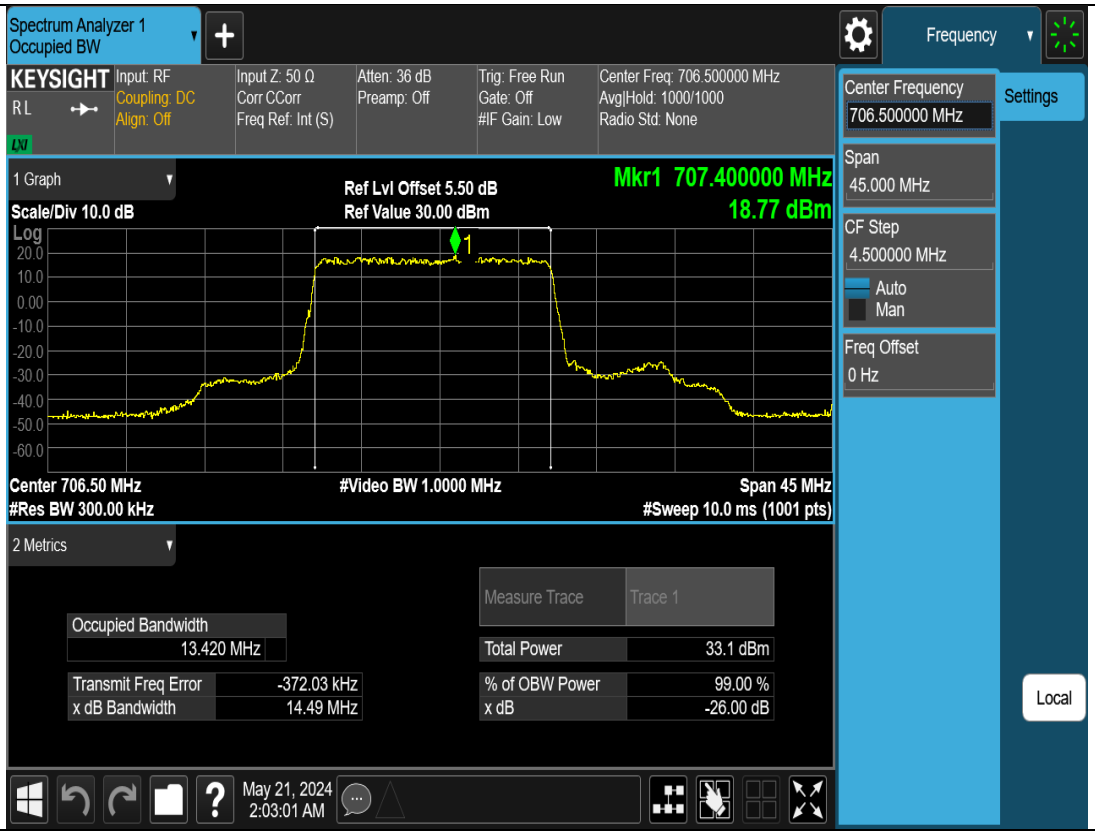

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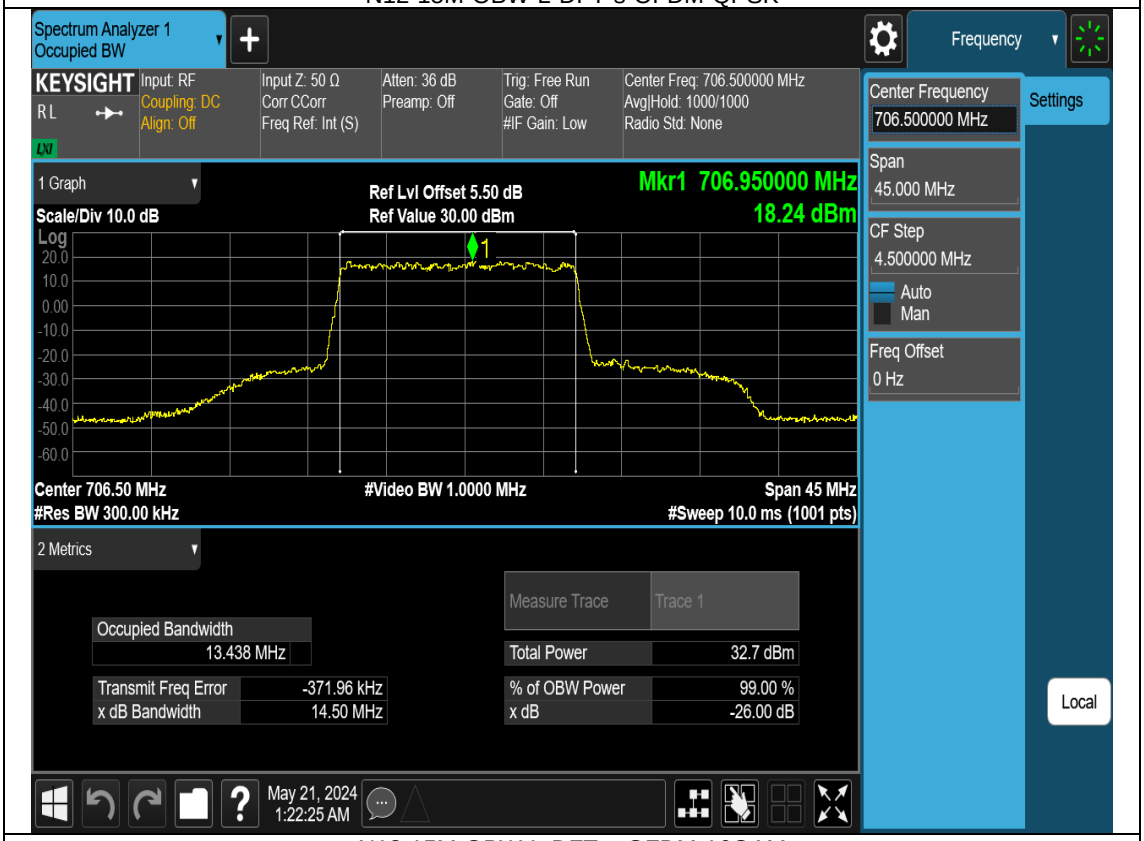

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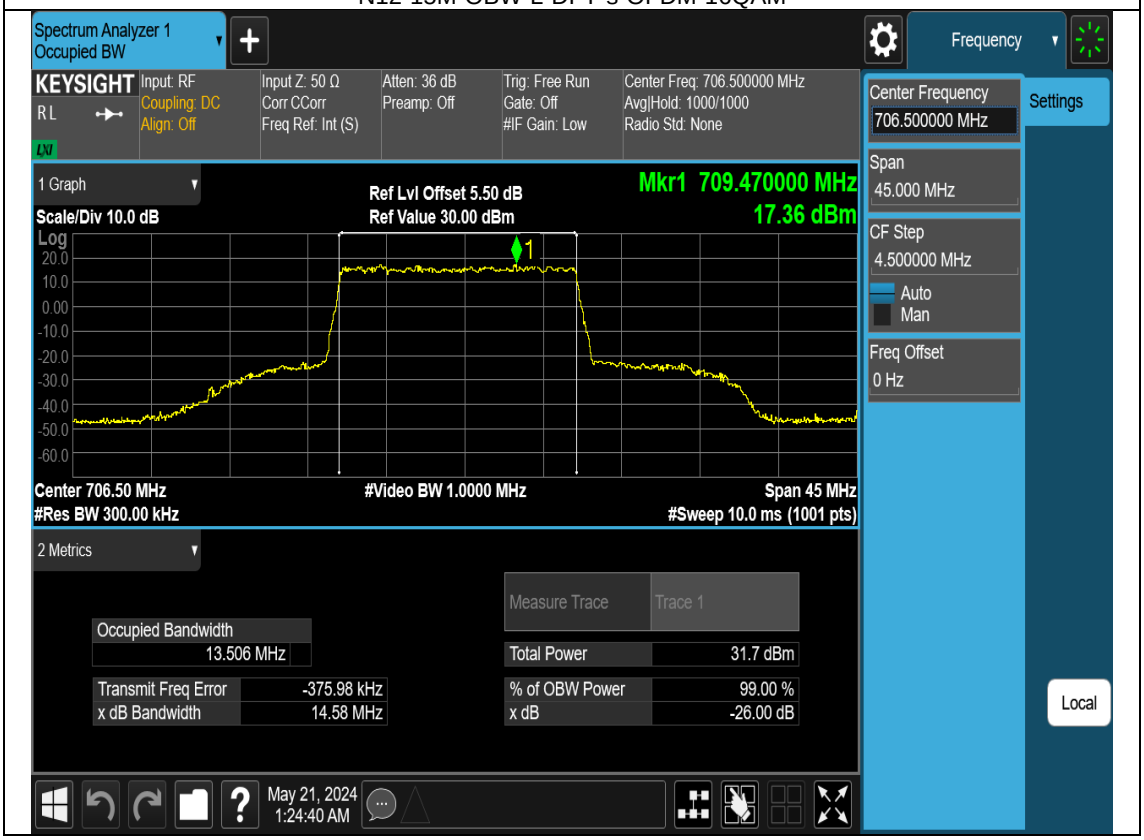

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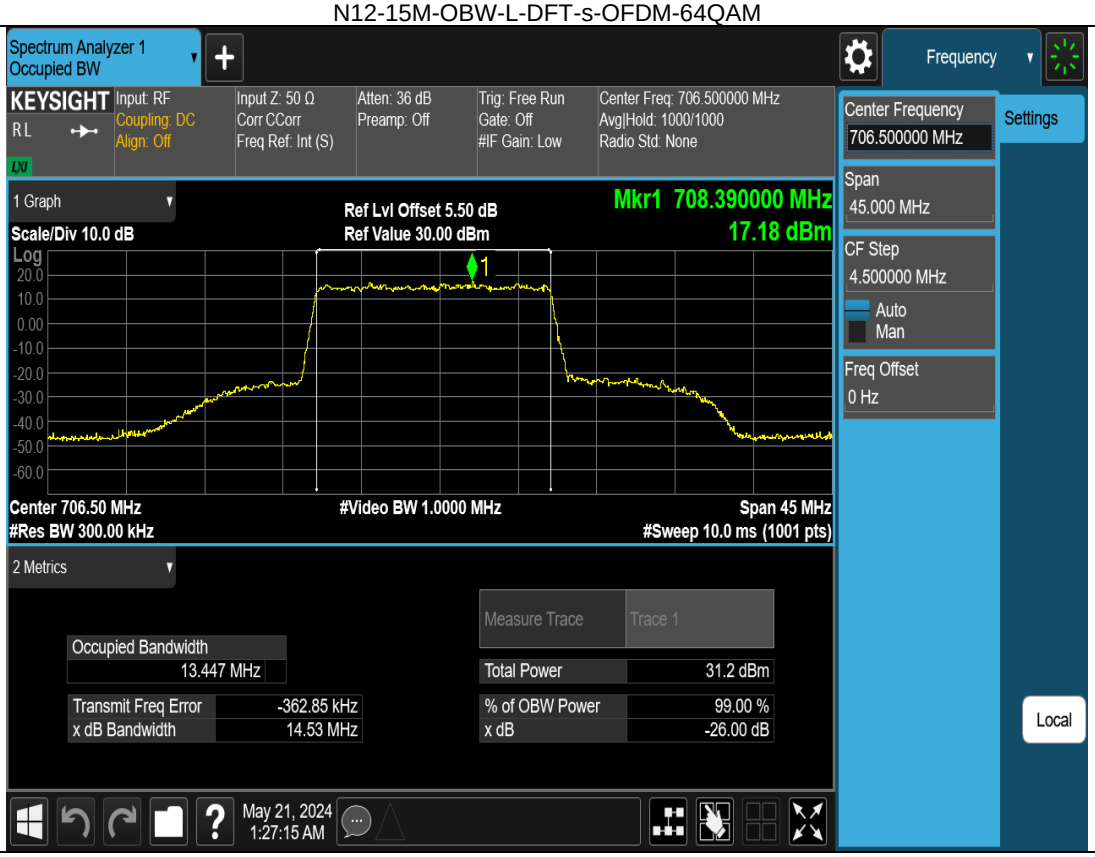

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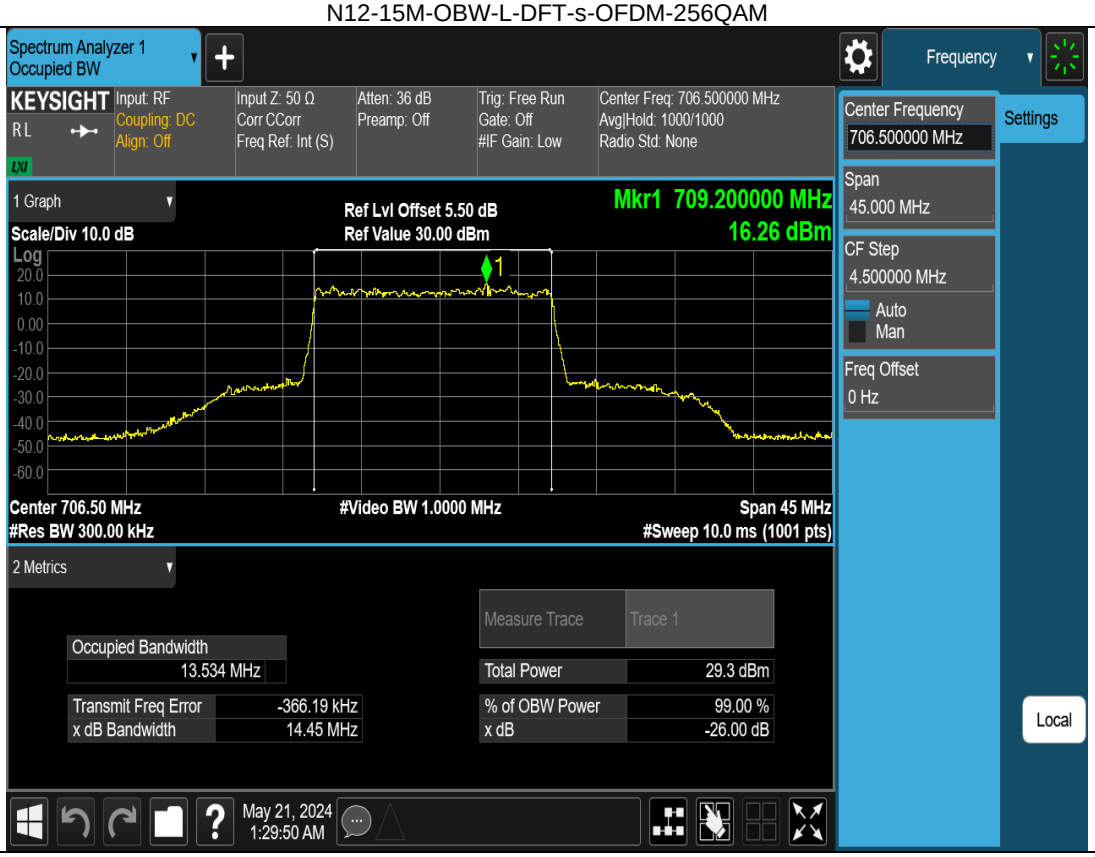

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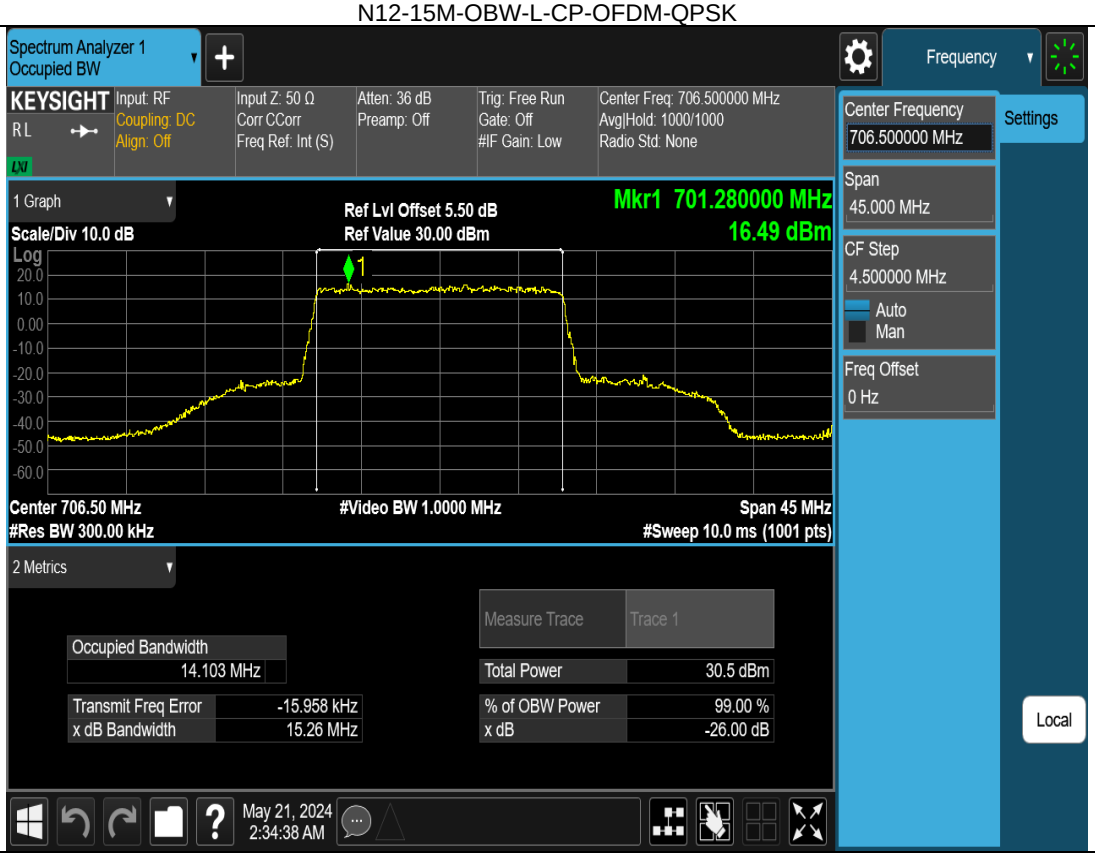

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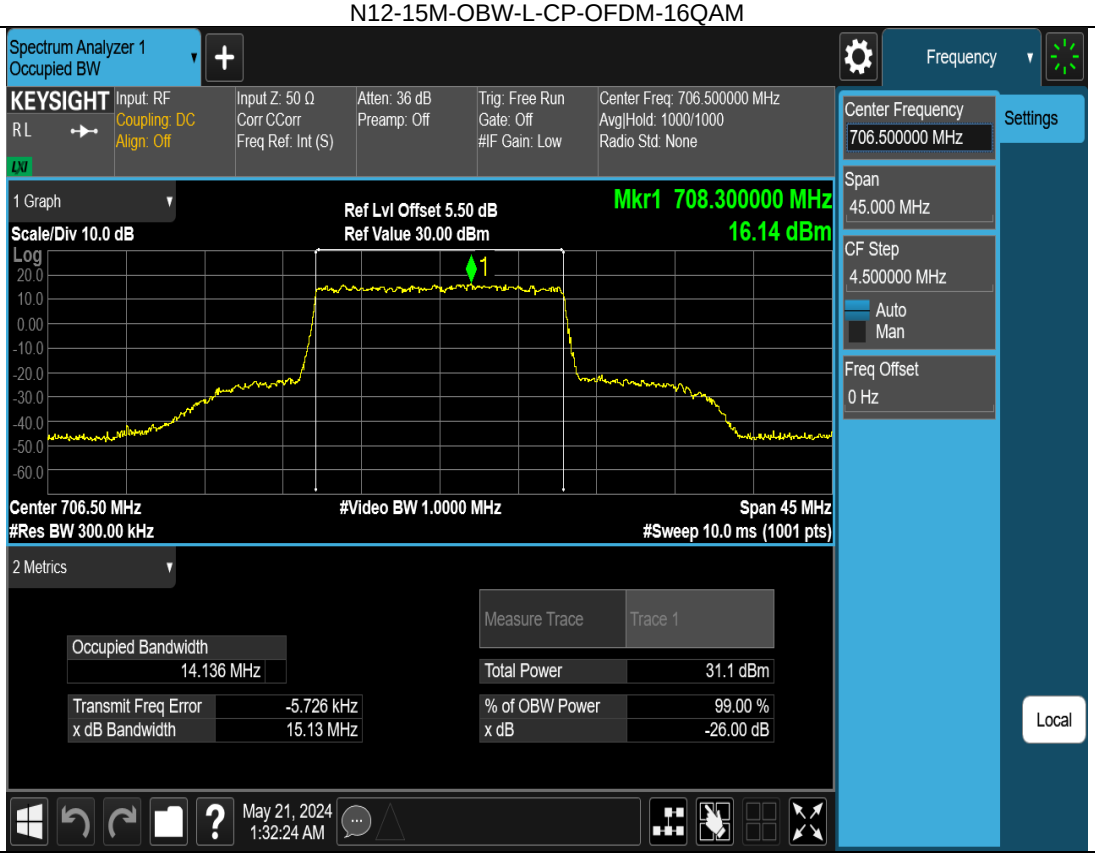

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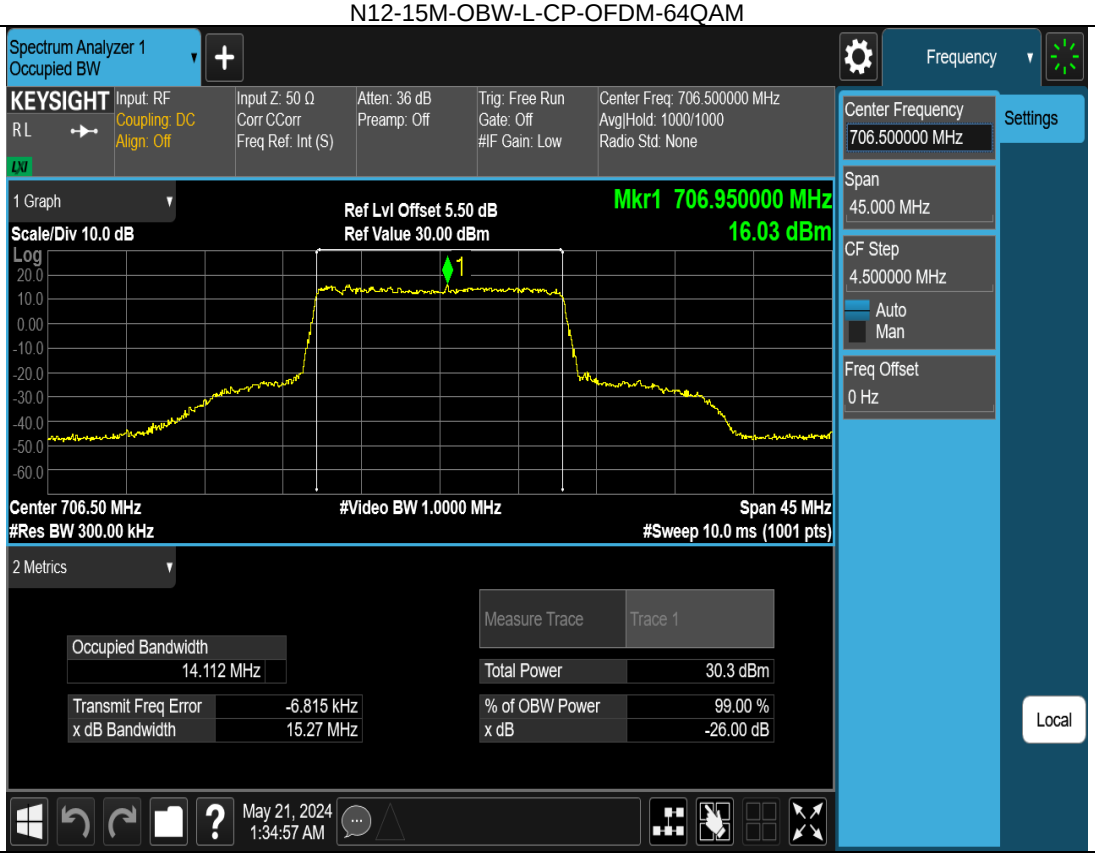

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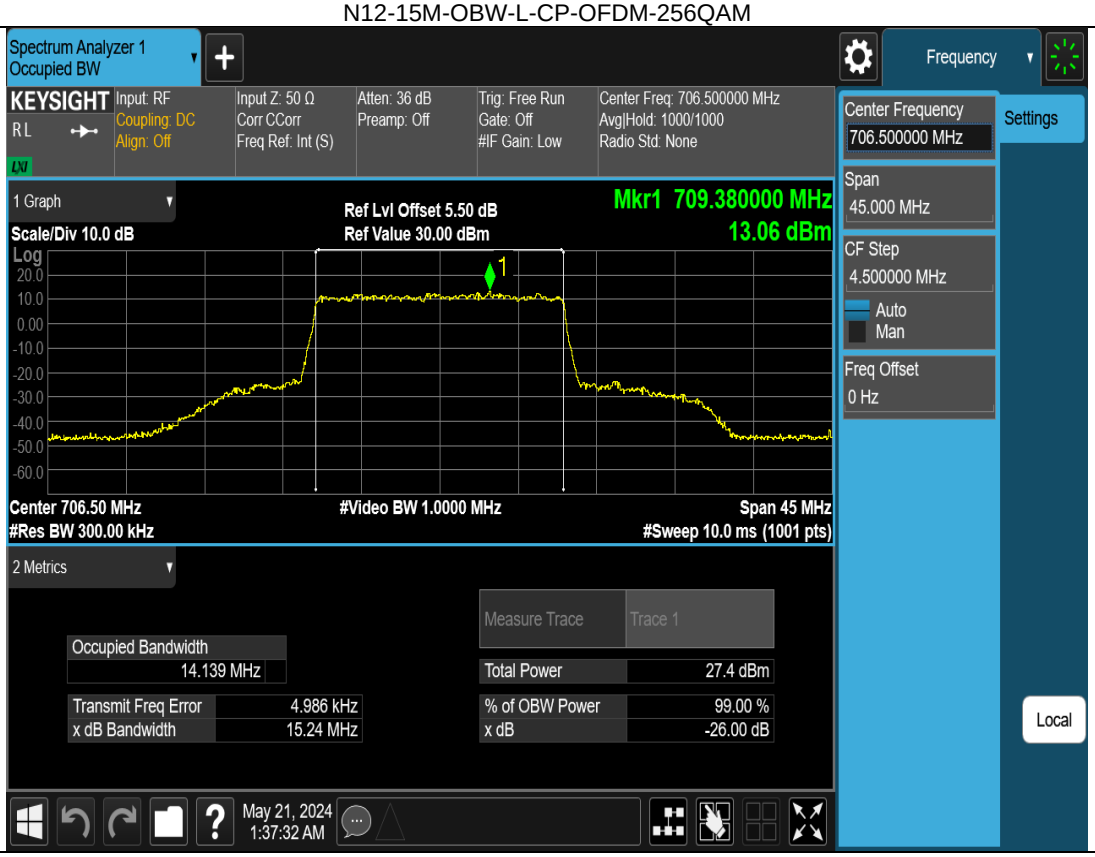

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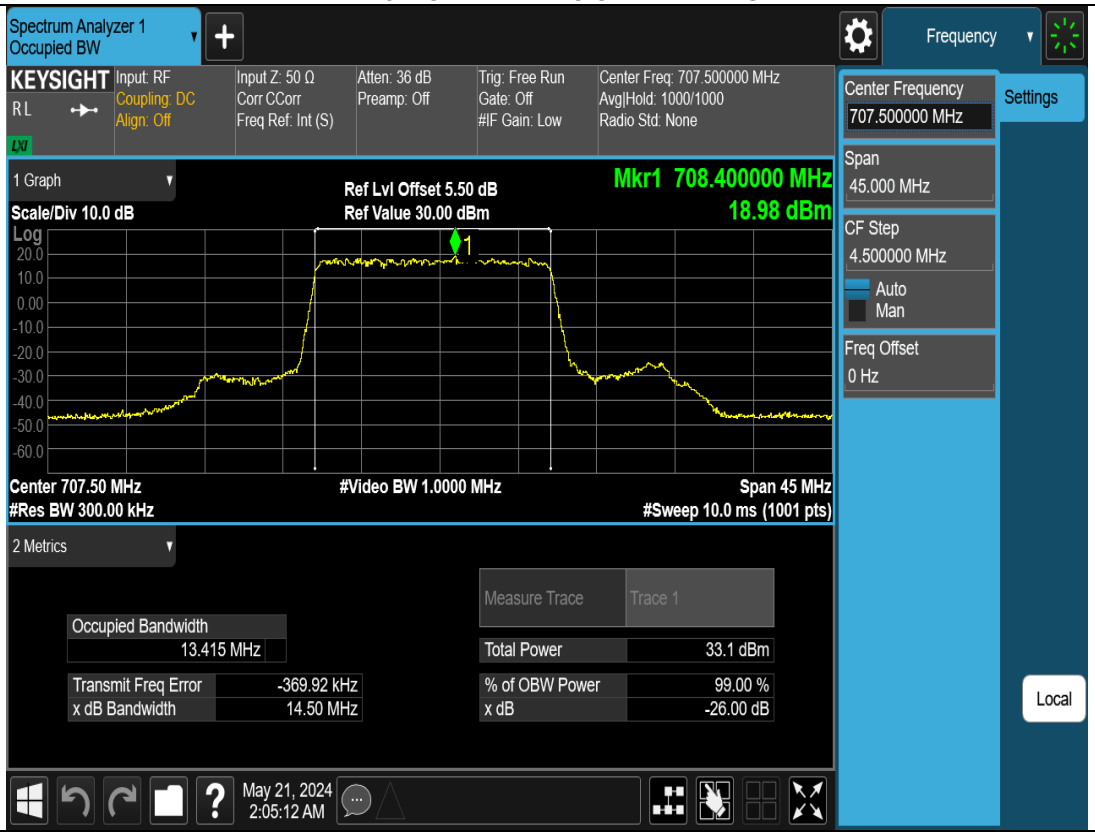

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