99% & 26dB Bandwidth

Test Result

5G NR n2 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	4.508	5.211	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.487	5.125	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.529	5.145	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.502	5.166	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.496	5.103	/	Pass
CP-OFDM QPSK		Outer_Full	4.518	5.229	/	Pass
CP-OFDM 16QAM		Outer_Full	4.502	5.267	/	Pass
CP-OFDM 64QAM		Outer_Full	4.524	5.299	/	Pass
CP-OFDM 256QAM		Outer_Full	4.504	5.201	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.505	5.131	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.478	5.085	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.509	5.143	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.510	5.13	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.492	5.067	/	Pass
CP-OFDM QPSK		Outer_Full	4.548	5.262	/	Pass
CP-OFDM 16QAM		Outer_Full	4.502	5.255	/	Pass
CP-OFDM 64QAM		Outer_Full	4.518	5.153	/	Pass
CP-OFDM 256QAM		Outer_Full	5.000	5.317	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.489	5.128	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.488	5.114	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.501	4.973	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.505	5.107	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.508	5.155	/	Pass
CP-OFDM QPSK		Outer_Full	4.493	5.142	/	Pass
CP-OFDM 16QAM		Outer_Full	4.517	5.212	/	Pass
CP-OFDM 64QAM		Outer_Full	4.504	5.231	/	Pass
CP-OFDM 256QAM		Outer_Full	4.486	5.244	/	Pass

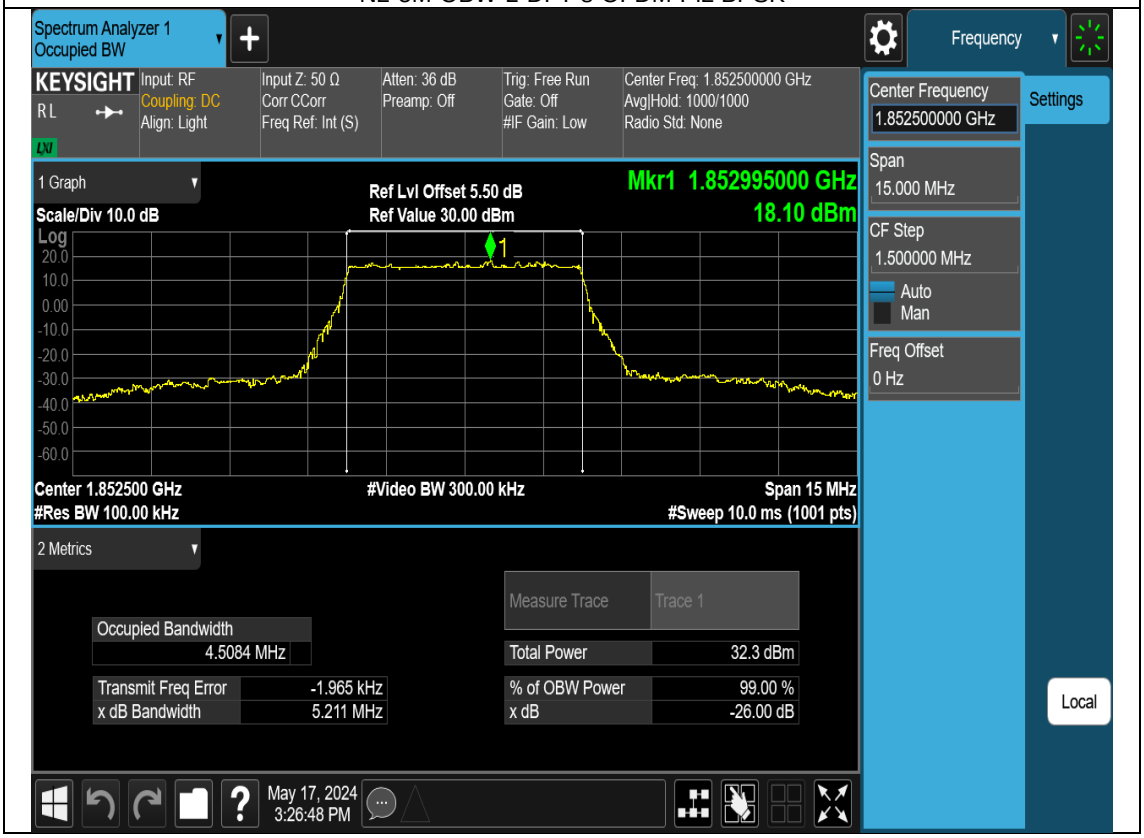
5G NR n2 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.942	9.588	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.928	9.709	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.949	9.745	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.937	9.607	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.969	9.771	/	Pass
CP-OFDM QPSK		Outer_Full	9.295	10.17	/	Pass
CP-OFDM 16QAM		Outer_Full	9.319	10.13	/	Pass
CP-OFDM 64QAM		Outer_Full	9.305	10.07	/	Pass
CP-OFDM 256QAM		Outer_Full	9.321	10.12	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.957	9.702	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.923	9.726	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.954	9.706	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.943	9.712	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.959	9.726	/	Pass
CP-OFDM QPSK		Outer_Full	9.293	10.05	/	Pass
CP-OFDM 16QAM		Outer_Full	9.315	10.03	/	Pass
CP-OFDM 64QAM		Outer_Full	9.312	10.05	/	Pass
CP-OFDM 256QAM		Outer_Full	9.326	10.10	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.920	9.799	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.939	9.832	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.935	9.655	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.930	9.672	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.927	9.649	/	Pass
CP-OFDM QPSK		Outer_Full	9.279	10.07	/	Pass
CP-OFDM 16QAM		Outer_Full	9.296	10.11	/	Pass
CP-OFDM 64QAM		Outer_Full	9.290	0.08	/	Pass
CP-OFDM 256QAM		Outer_Full	9.315	10.13	/	Pass

5G NR n2 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	13.437	14.61	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.441	14.45	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.471	14.45	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.449	14.58	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.539	14.53	/	Pass
CP-OFDM QPSK		Outer_Full	14.102	15.16	/	Pass
CP-OFDM 16QAM		Outer_Full	14.120	15.10	/	Pass
CP-OFDM 64QAM		Outer_Full	14.114	15.17	/	Pass
CP-OFDM 256QAM		Outer_Full	14.149	15.22	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.456	14.56	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.461	14.56	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.448	14.65	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.477	14.59	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.454	14.50	/	Pass
CP-OFDM QPSK		Outer_Full	14.104	15.14	/	Pass
CP-OFDM 16QAM		Outer_Full	14.125	15.24	/	Pass
CP-OFDM 64QAM		Outer_Full	14.129	15.21	/	Pass
CP-OFDM 256QAM		Outer_Full	14.142	15.15	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.488	14.41	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.476	14.57	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.448	14.56	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.433	14.43	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.482	14.51	/	Pass
CP-OFDM QPSK		Outer_Full	14.172	15.17	/	Pass
CP-OFDM 16QAM		Outer_Full	14.173	15.25	/	Pass
CP-OFDM 64QAM		Outer_Full	14.122	15.20	/	Pass
CP-OFDM 256QAM		Outer_Full	14.139	15.13	/	Pass

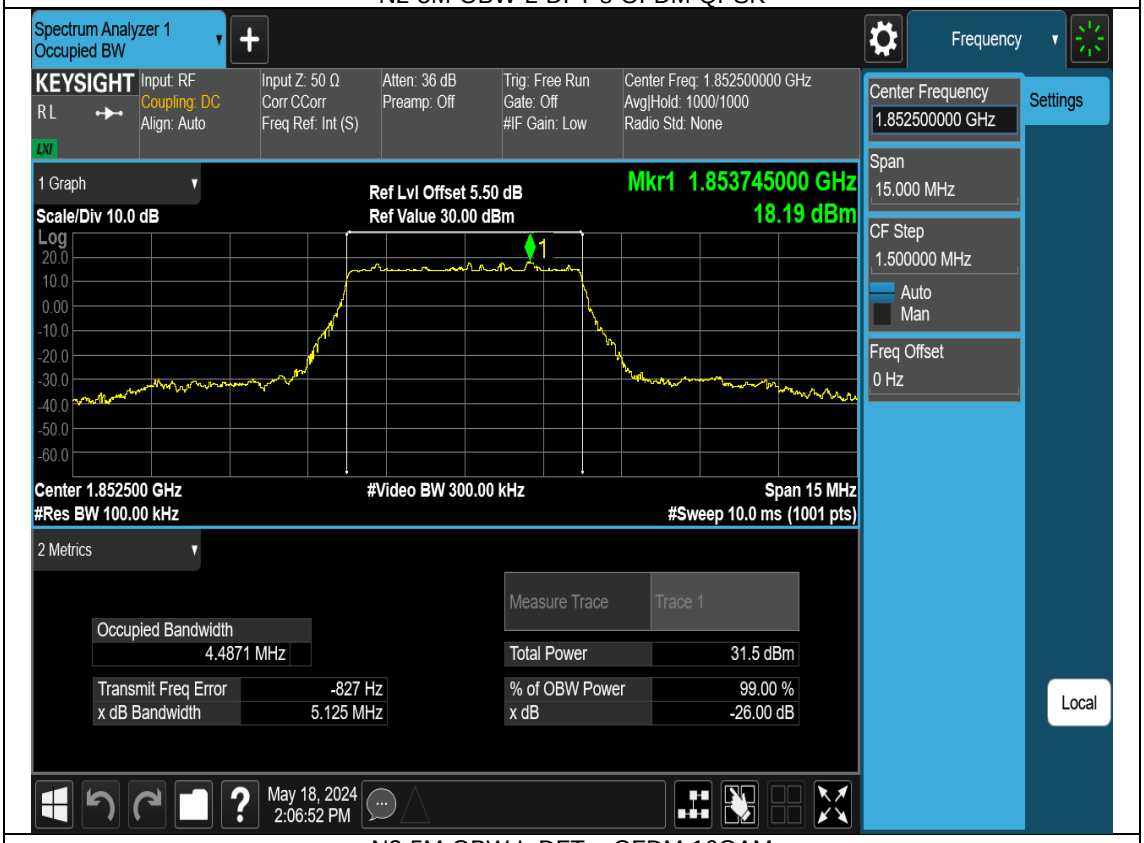
5G NR n2 SCS=15kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	17.850	19.03	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.888	18.96	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.865	19.03	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.853	19.06	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.893	19.00	/	Pass
CP-OFDM QPSK		Outer_Full	18.929	20.23	/	Pass
CP-OFDM 16QAM		Outer_Full	18.912	19.86	/	Pass
CP-OFDM 64QAM		Outer_Full	18.837	20.00	/	Pass
CP-OFDM 256QAM		Outer_Full	18.769	19.76	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	17.832	19.05	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.888	18.88	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.866	19.06	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.860	19.06	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.894	19.06	/	Pass
CP-OFDM QPSK		Outer_Full	18.893	20.03	/	Pass
CP-OFDM 16QAM		Outer_Full	17.876	18.89	/	Pass
CP-OFDM 64QAM		Outer_Full	17.851	19.06	/	Pass
CP-OFDM 256QAM		Outer_Full	17.881	19.00	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	17.943	18.99	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.920	18.97	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.891	19.07	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.887	19.10	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.914	19.12	/	Pass
CP-OFDM QPSK		Outer_Full	18.923	20.11	/	Pass
CP-OFDM 16QAM		Outer_Full	17.905	19.05	/	Pass
CP-OFDM 64QAM		Outer_Full	17.852	19.04	/	Pass
CP-OFDM 256QAM		Outer_Full	17.934	18.84	/	Pass

Test graph

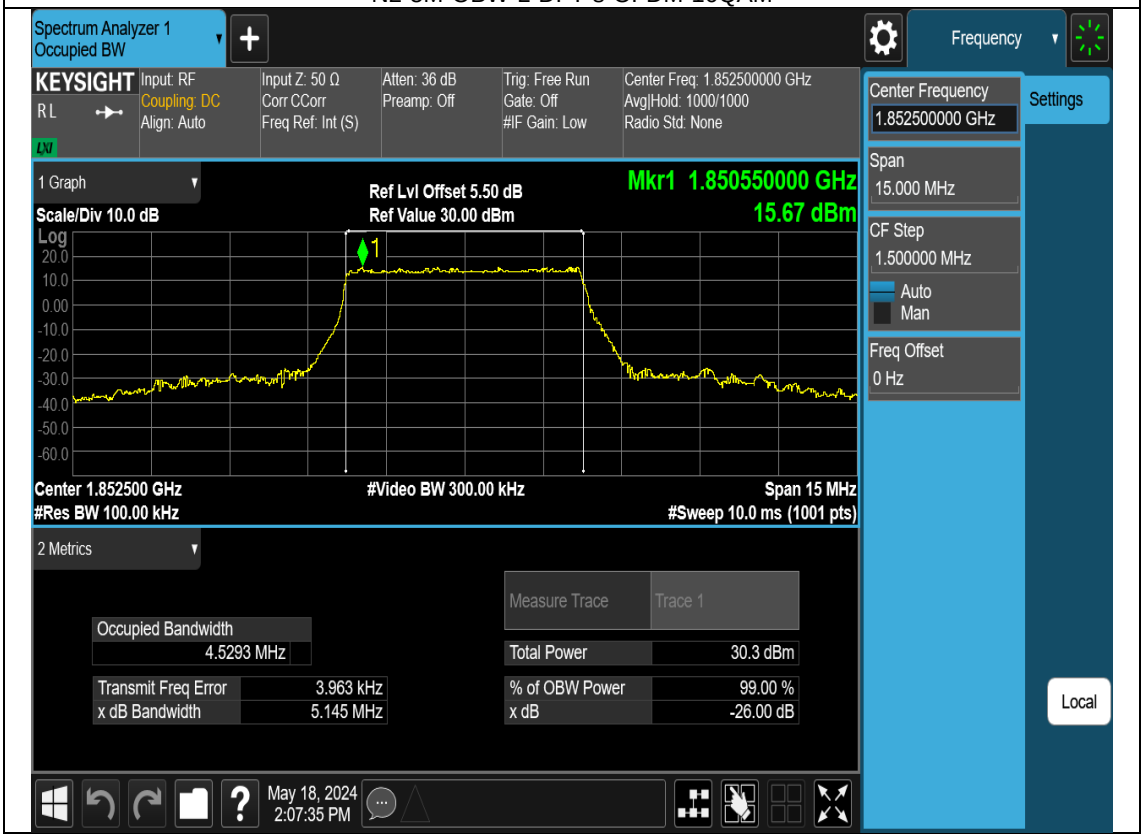
N2-5M-OBW-L-DFT-s-OFDM-Pi2 BPSK



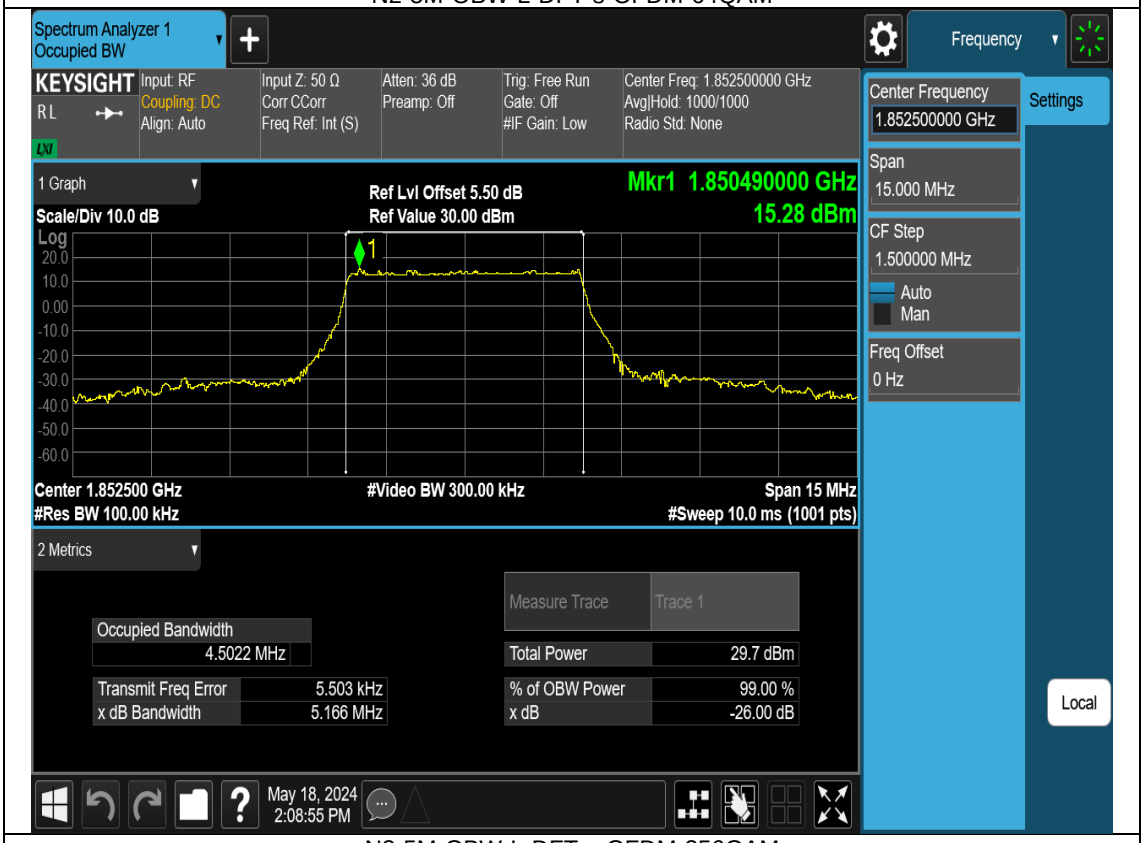
N2-5M-OBW-L-DFT-s-OFDM-QPSK



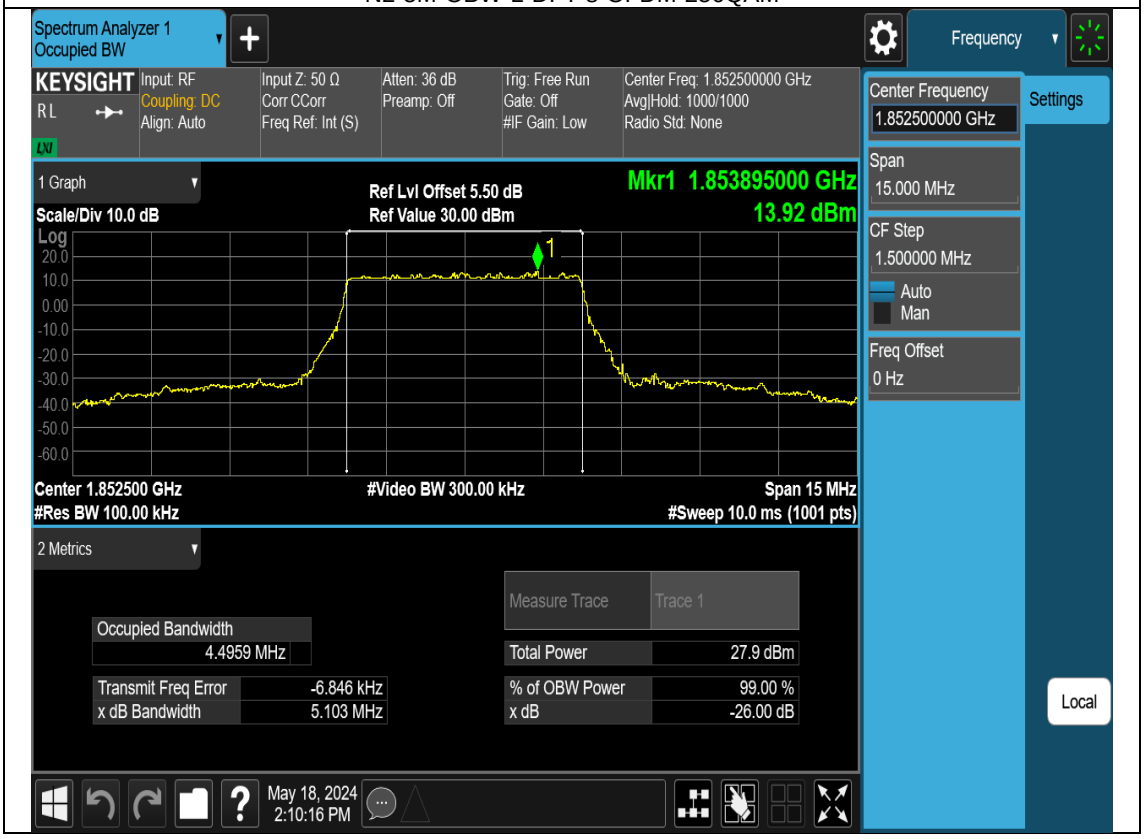
N2-5M-OBW-L-DFT-s-OFDM-16QAM



N2-5M-OBW-L-DFT-s-OFDM-64QAM



N2-5M-OBW-L-DFT-s-OFDM-256QAM



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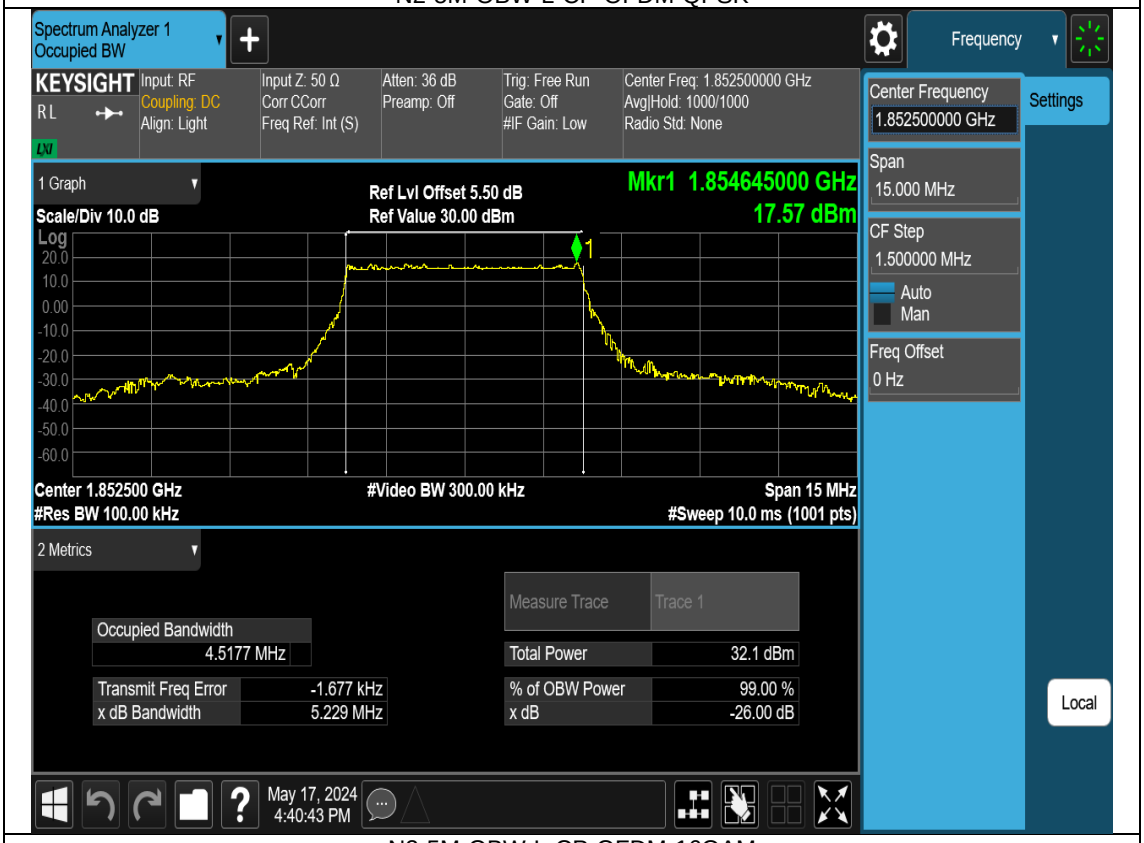

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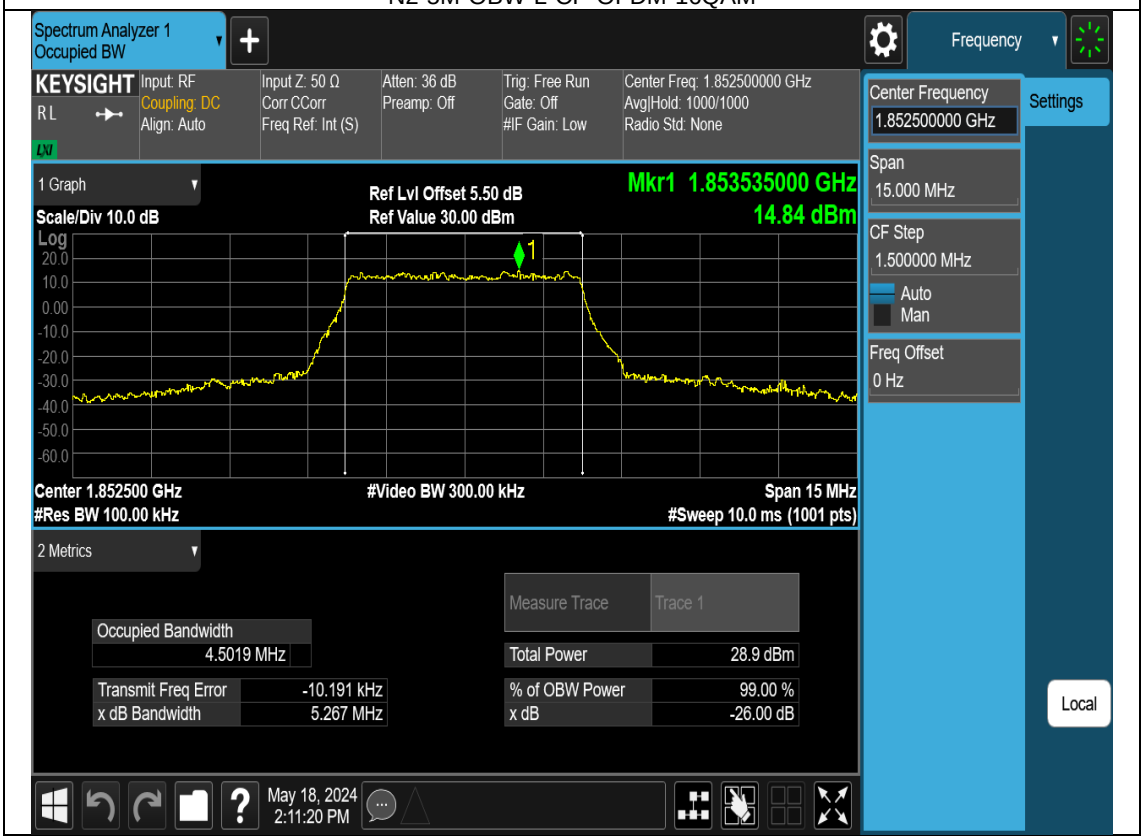

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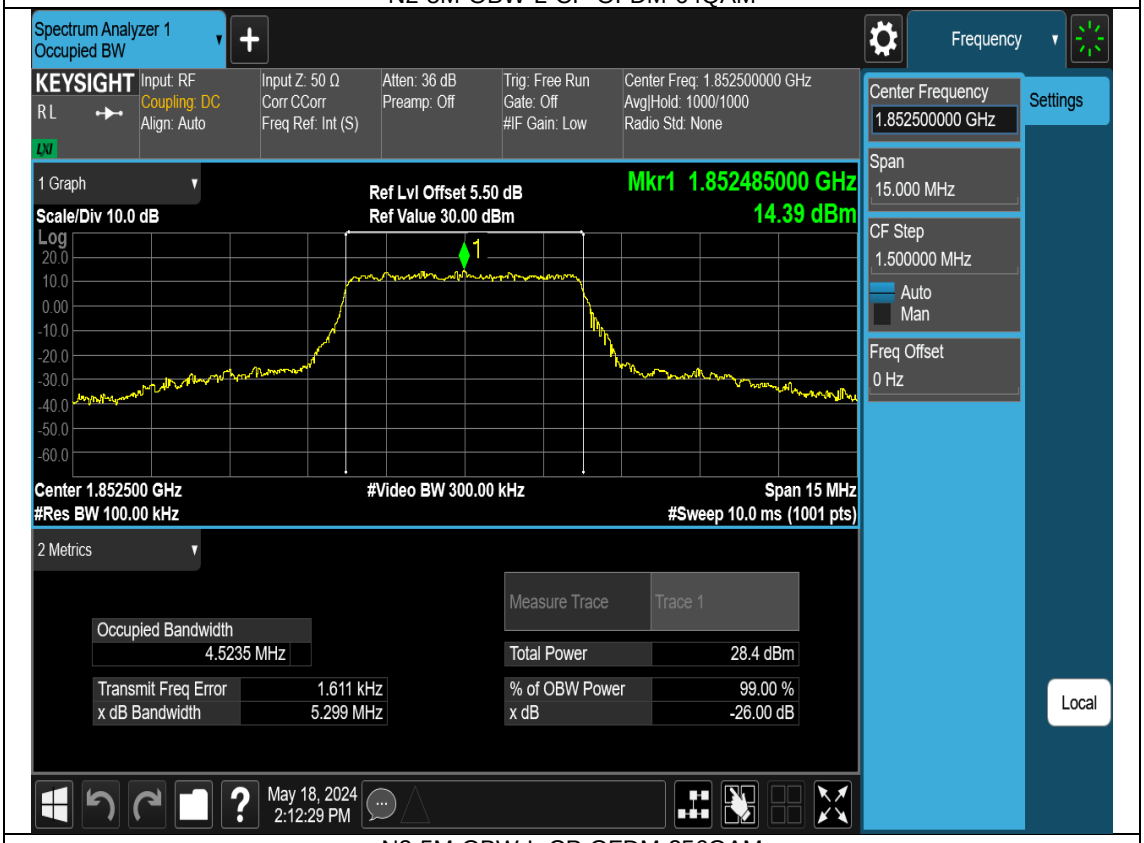

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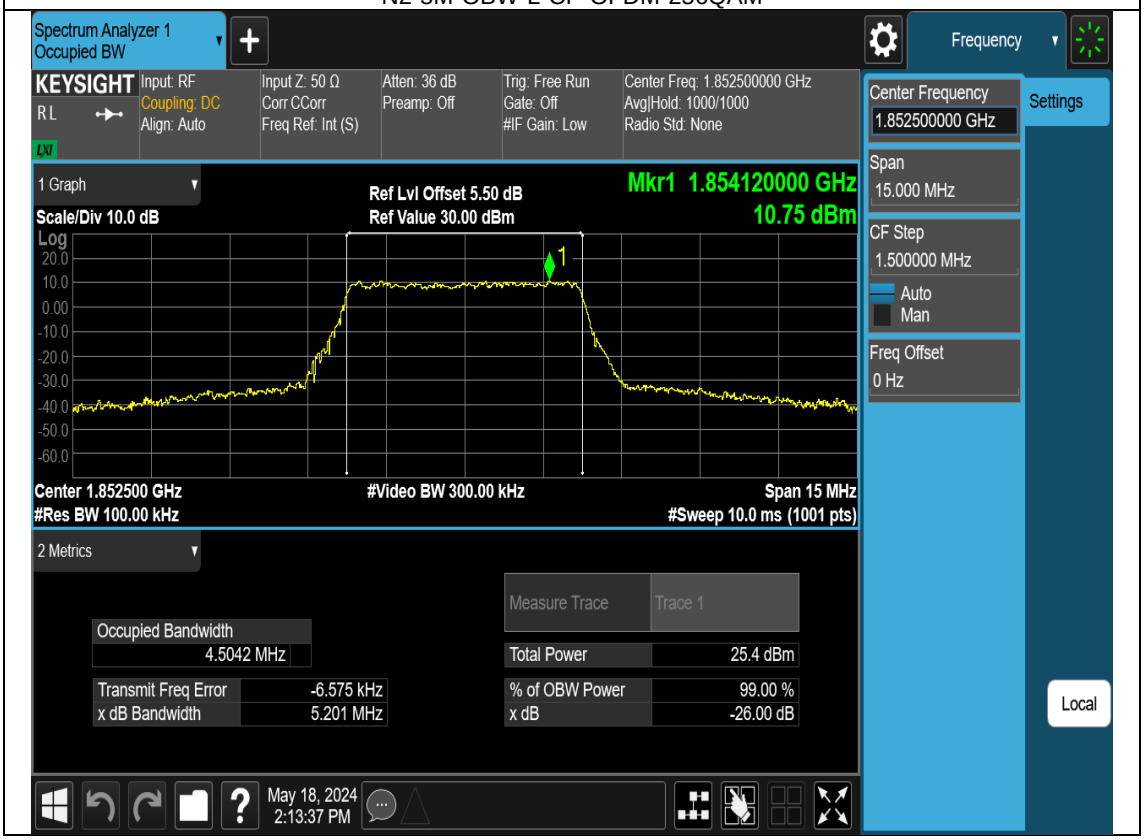
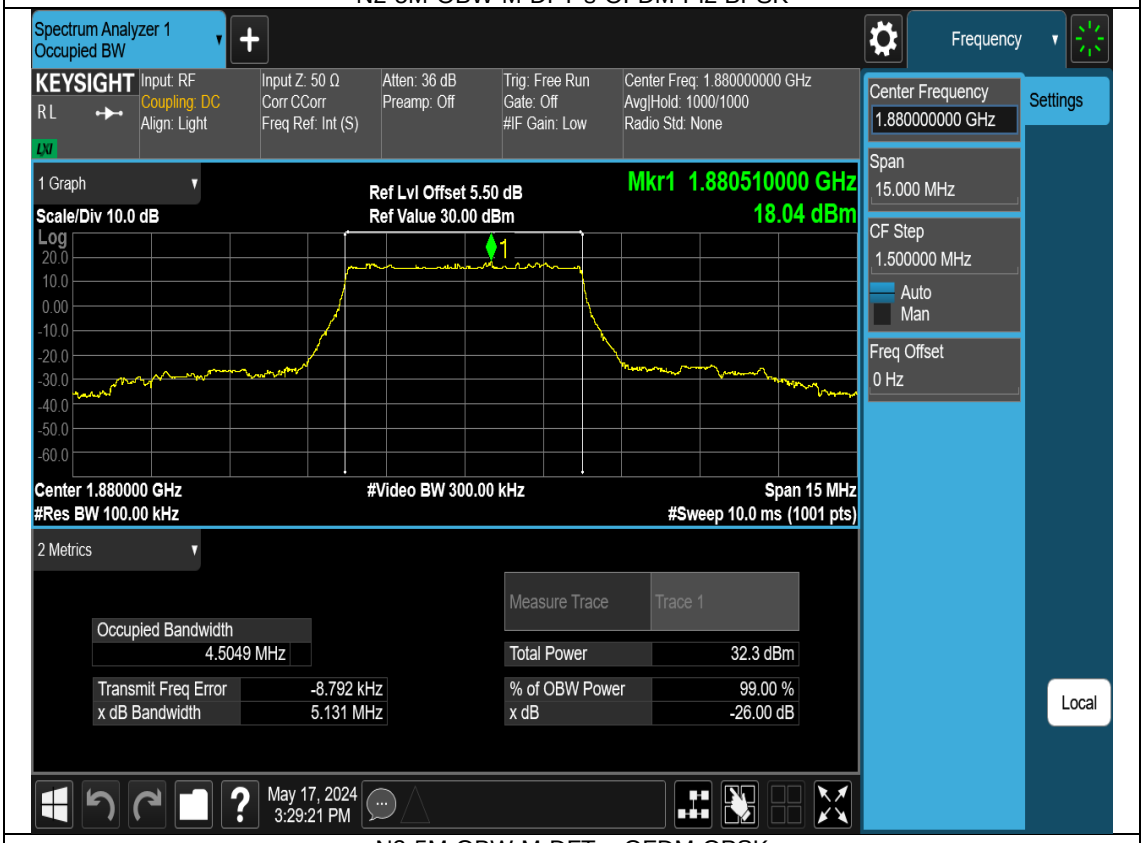


N2-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK



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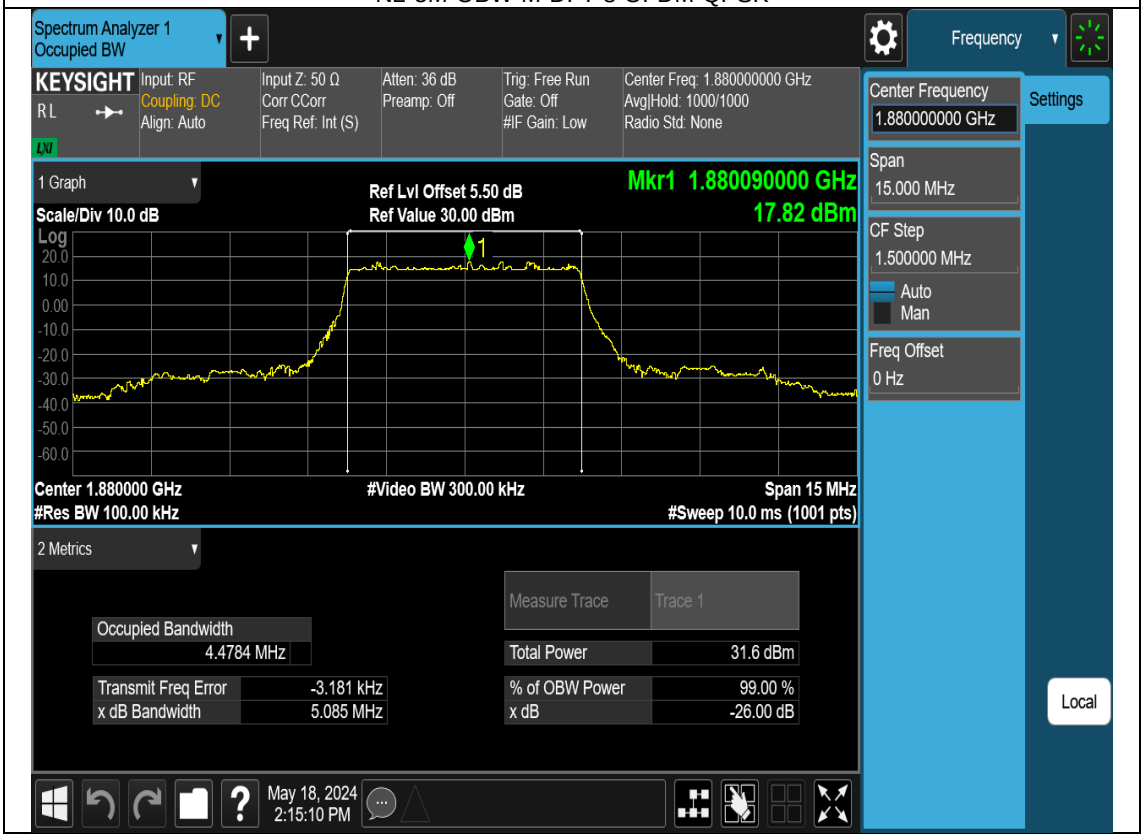

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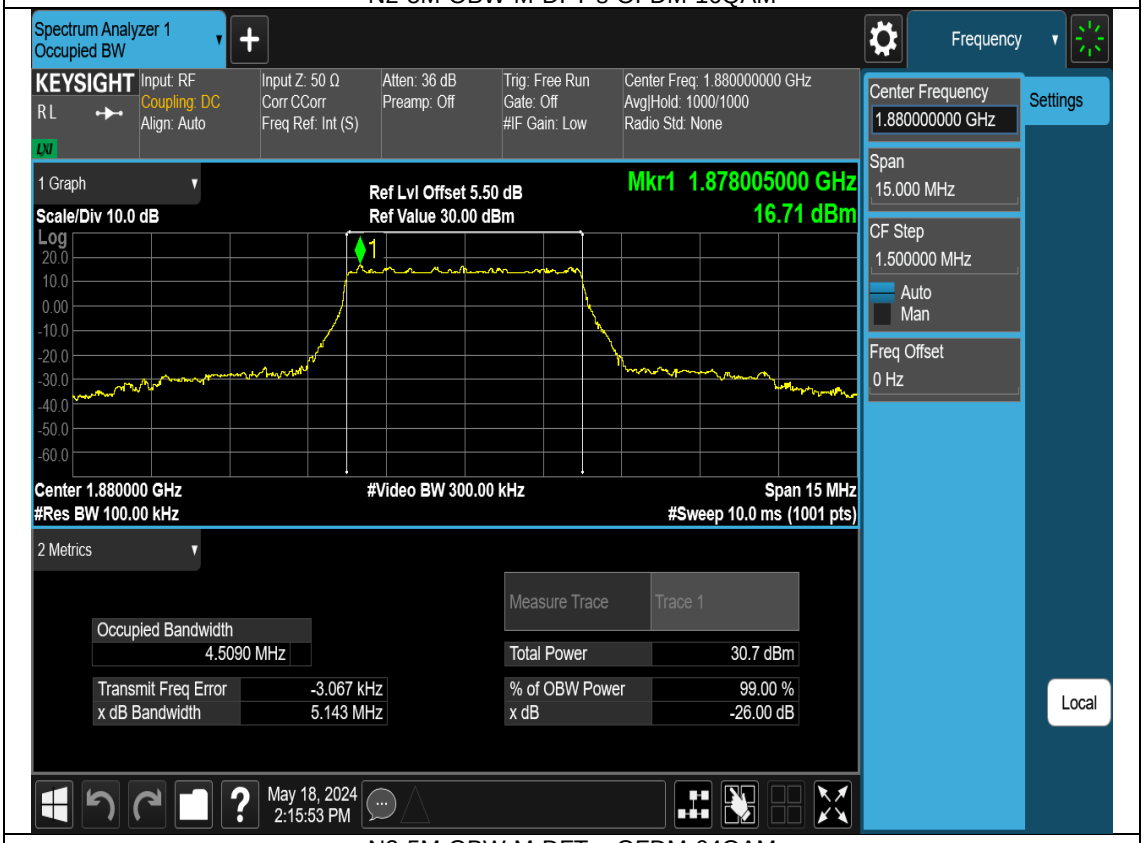
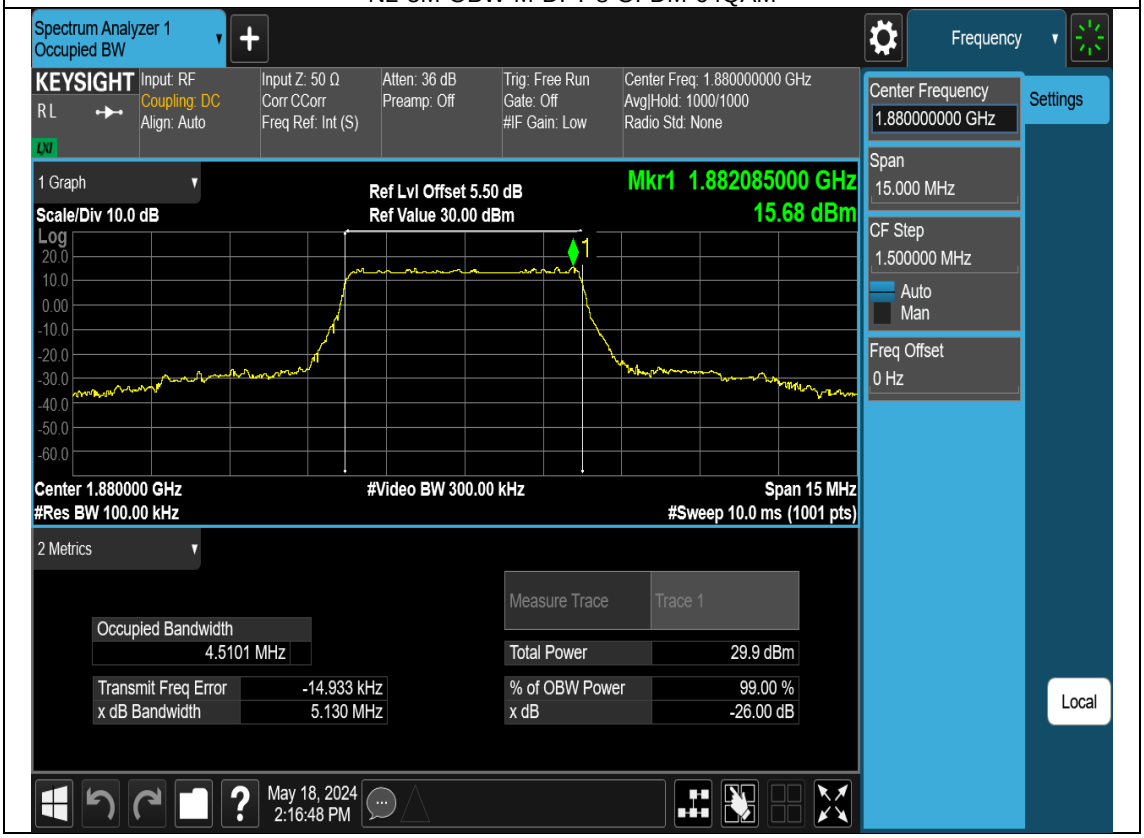


N2-5M-OBW-M-DFT-s-OFDM-64QAM



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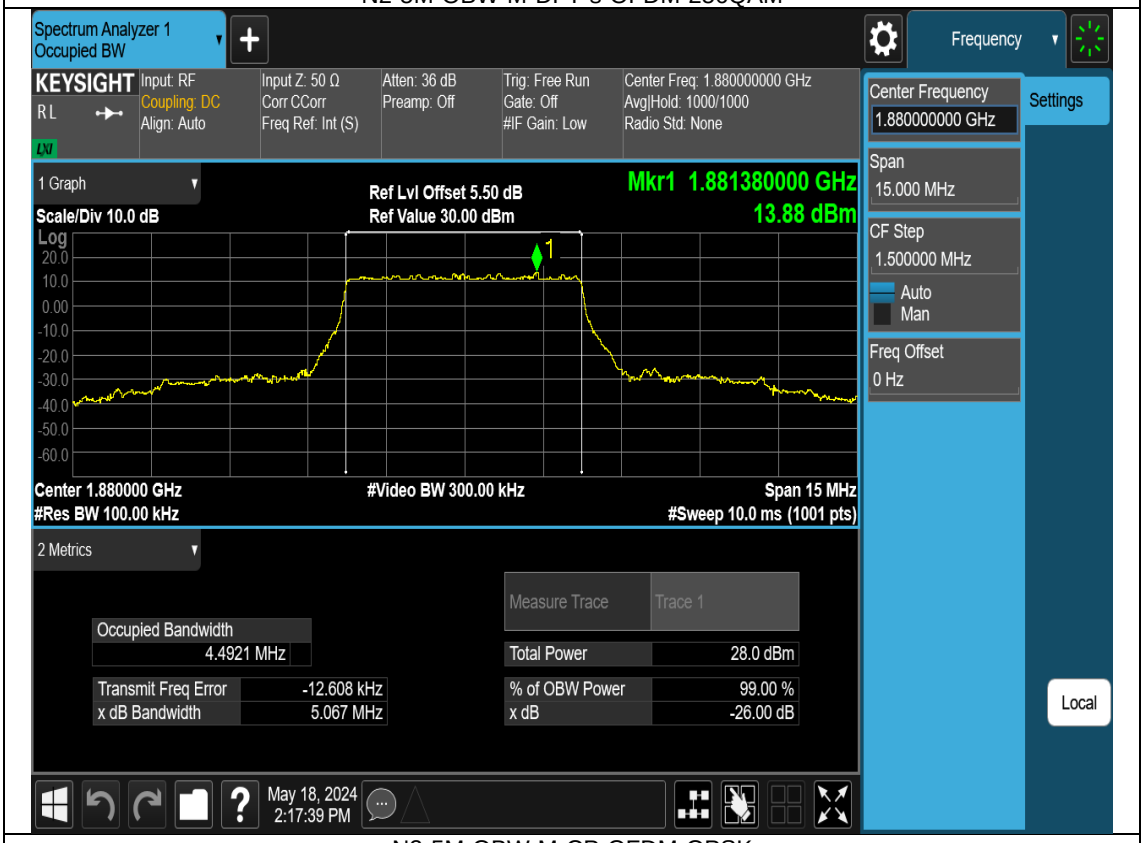

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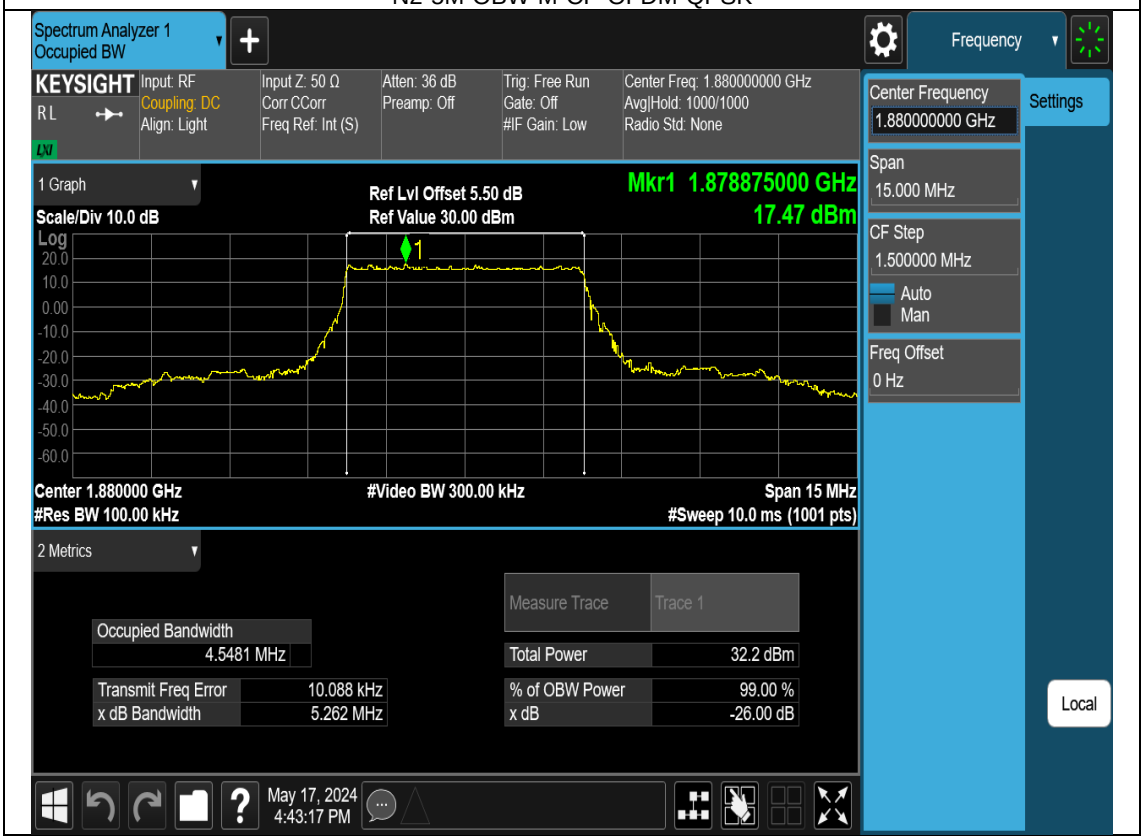

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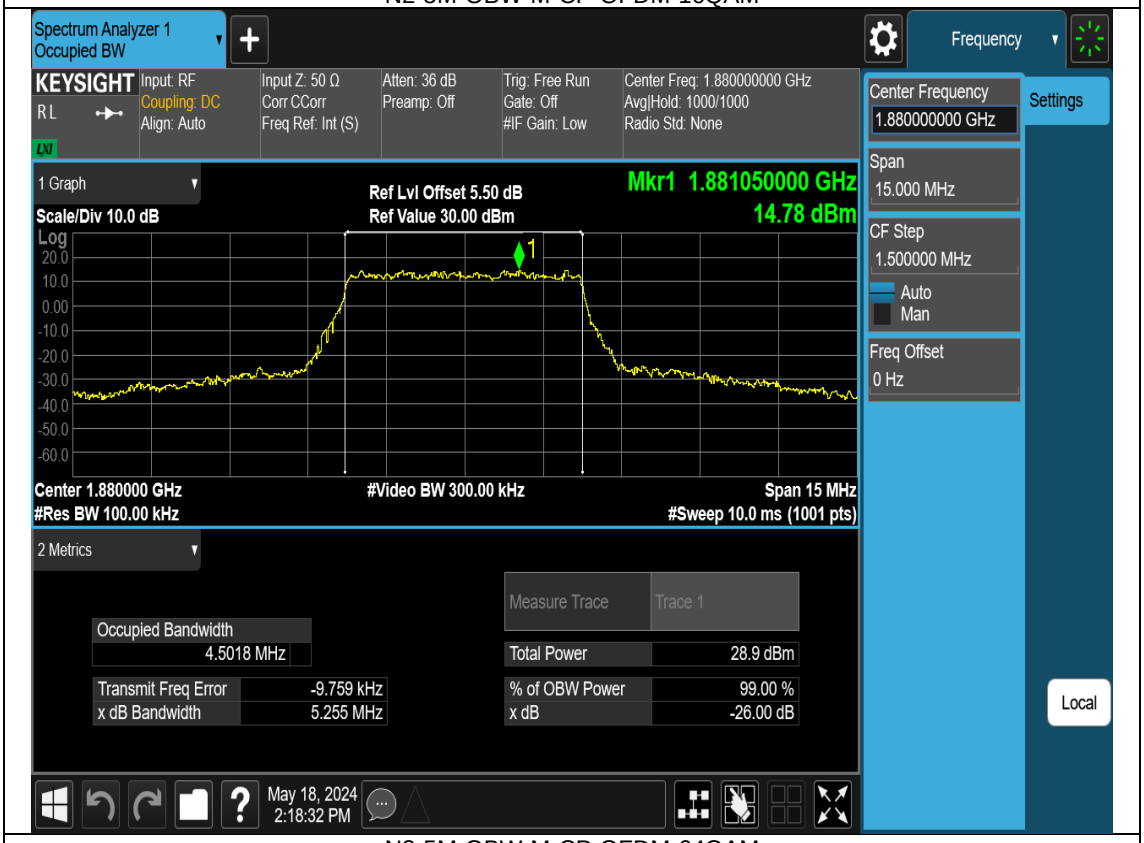
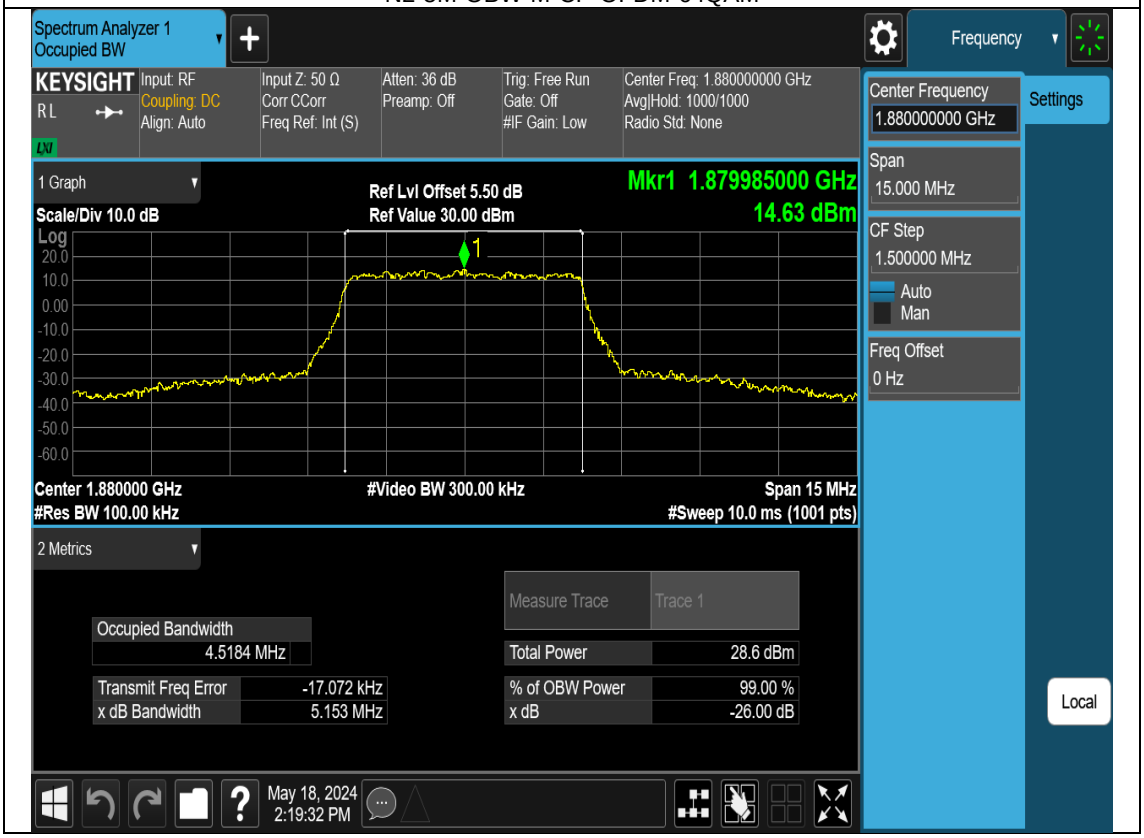
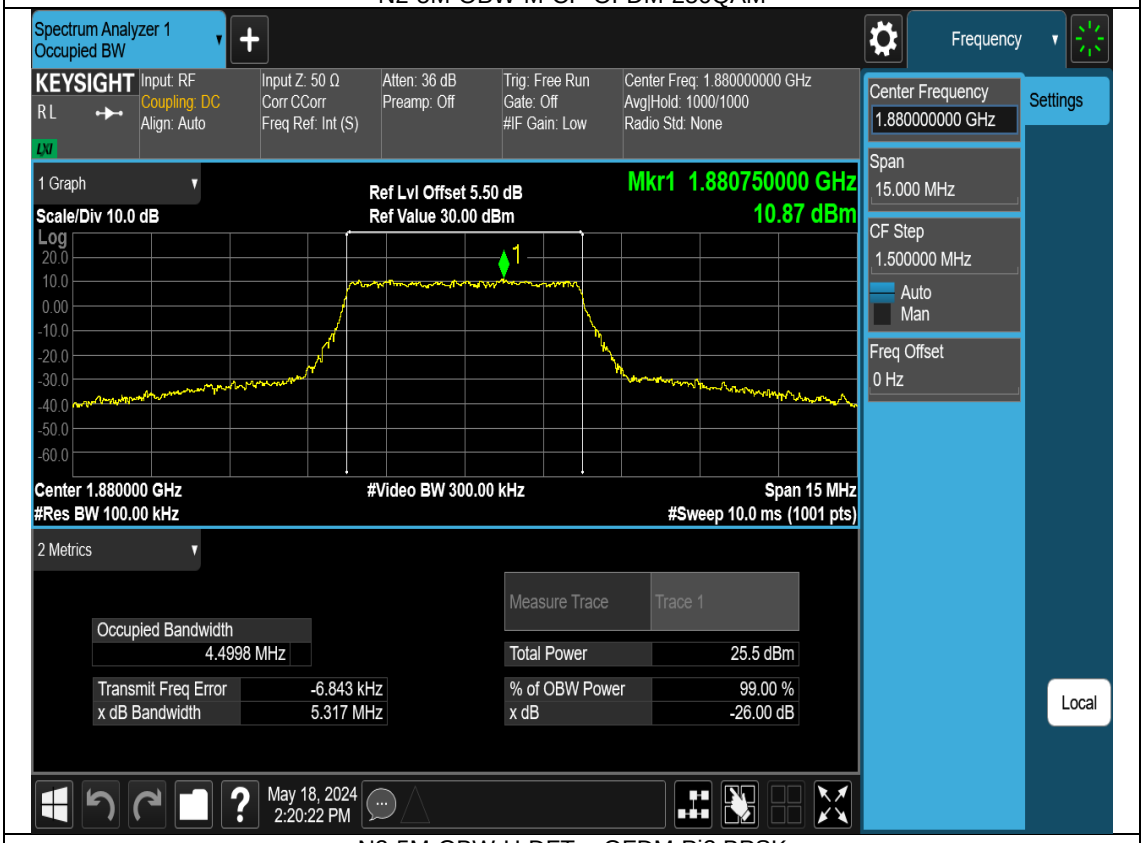


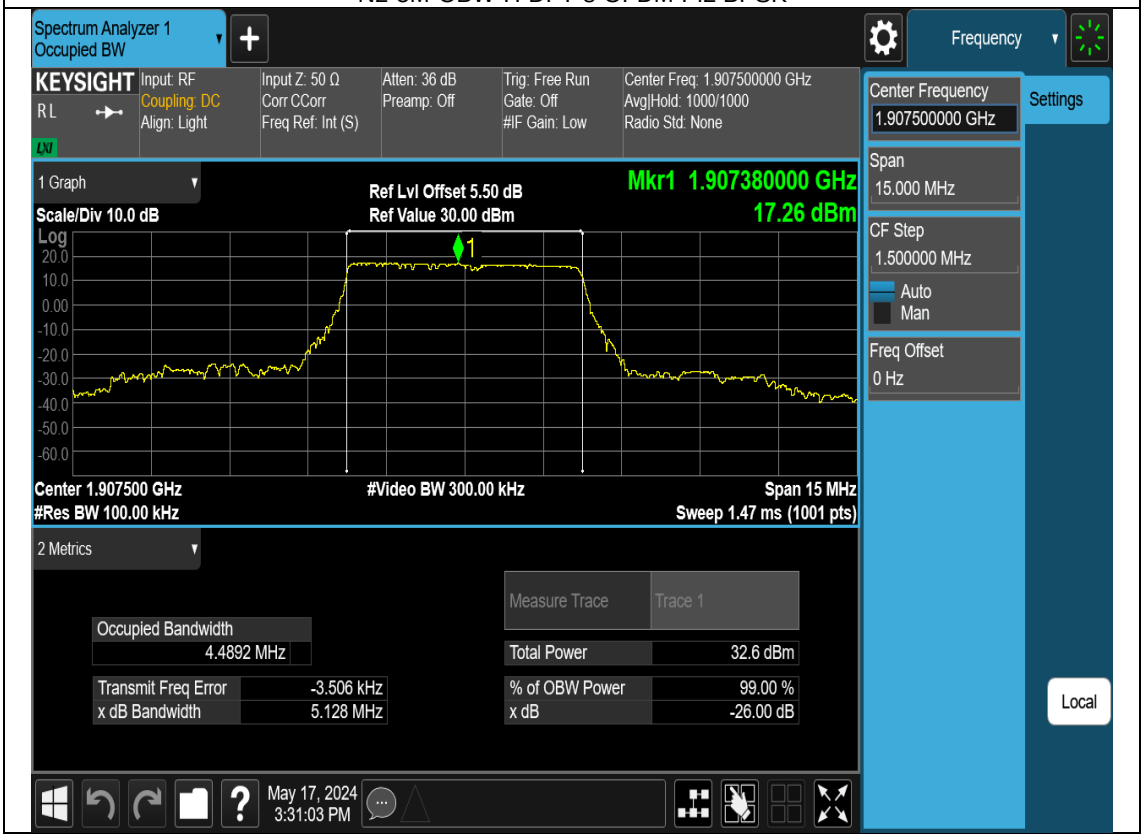
N2-5M-OBW-M-CP-OFDM-64QAM



N2-5M-OBW-M-CP-OFDM-256QAM



N2-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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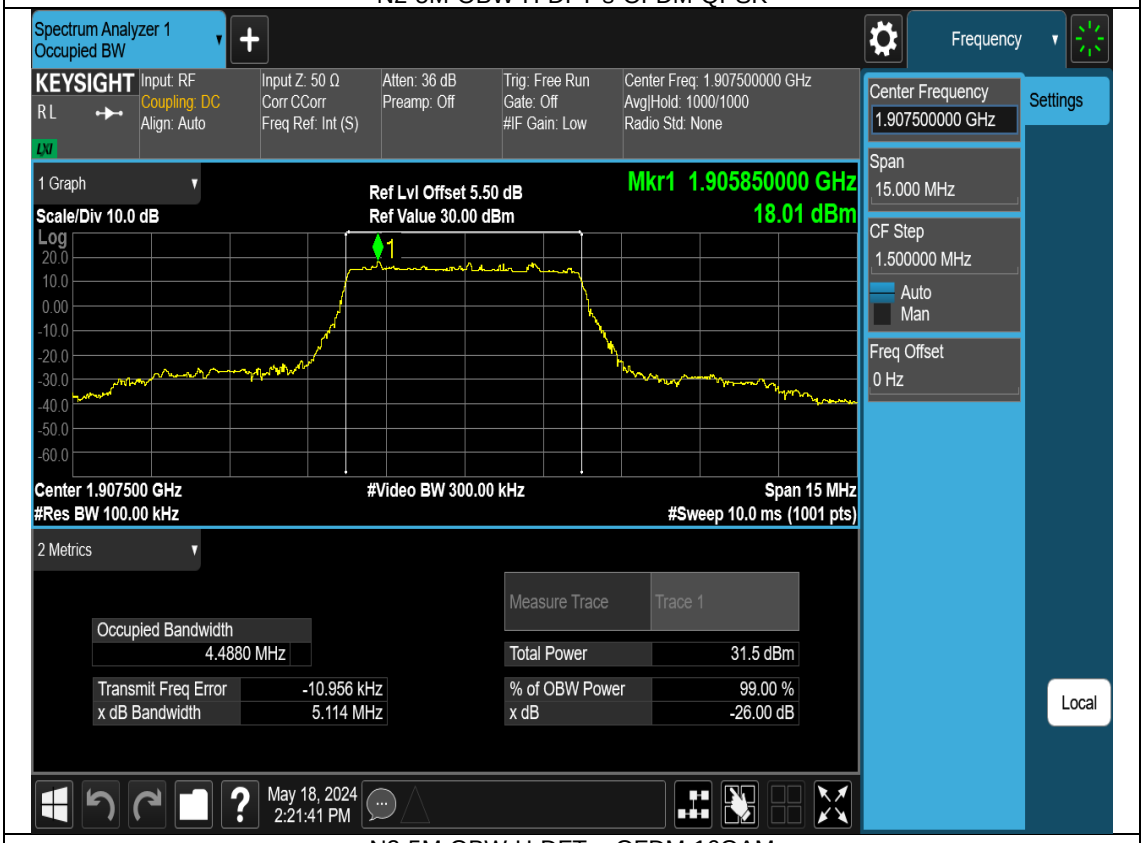

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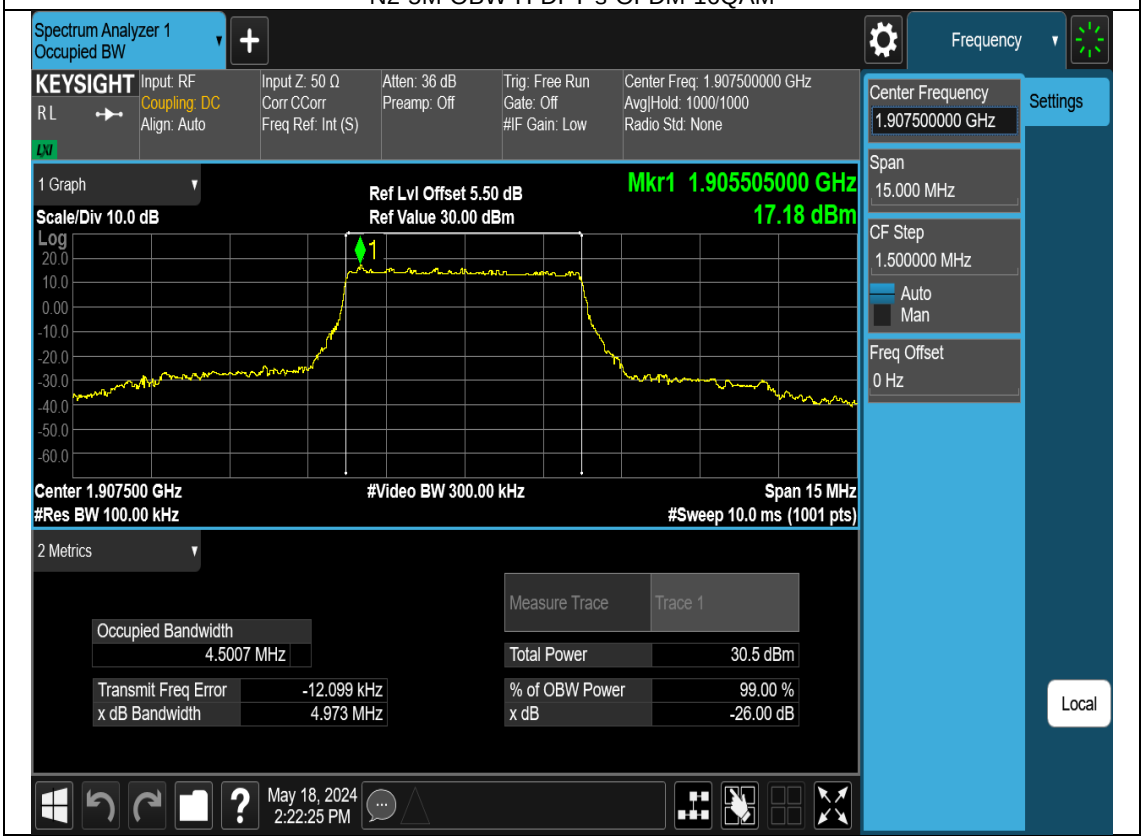
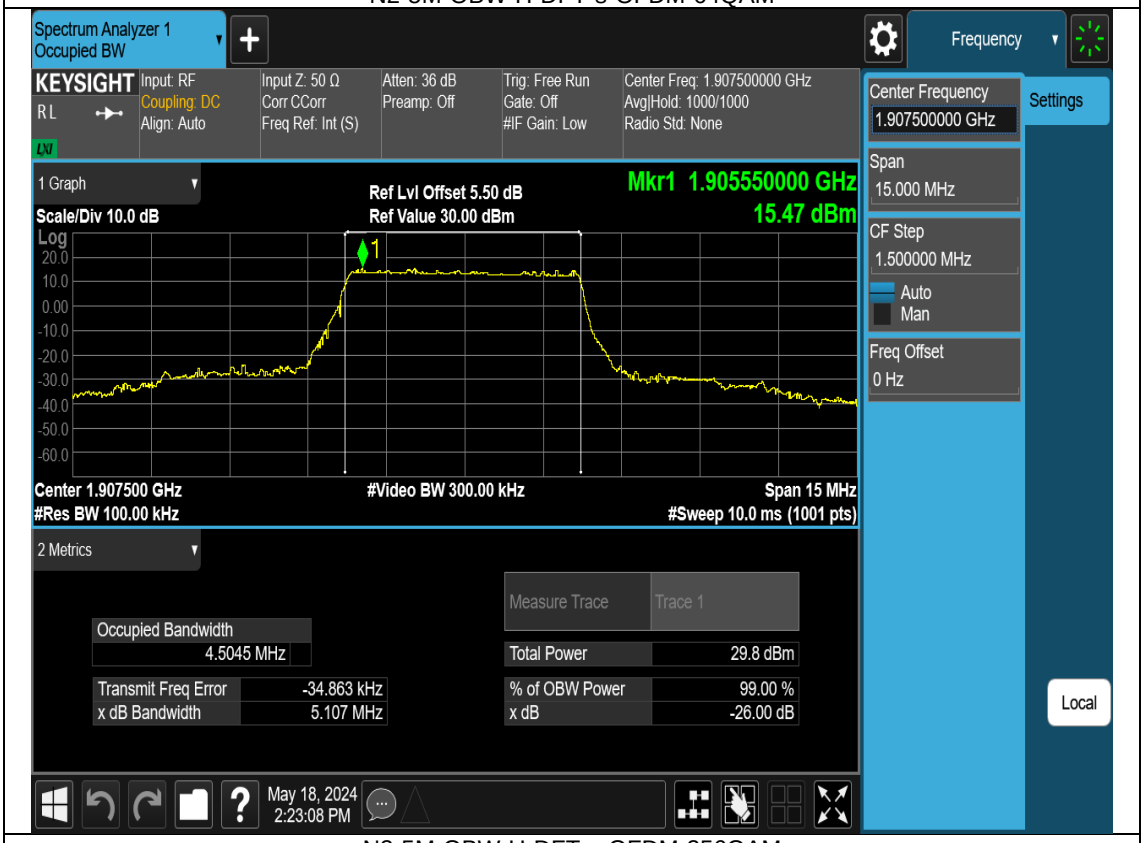
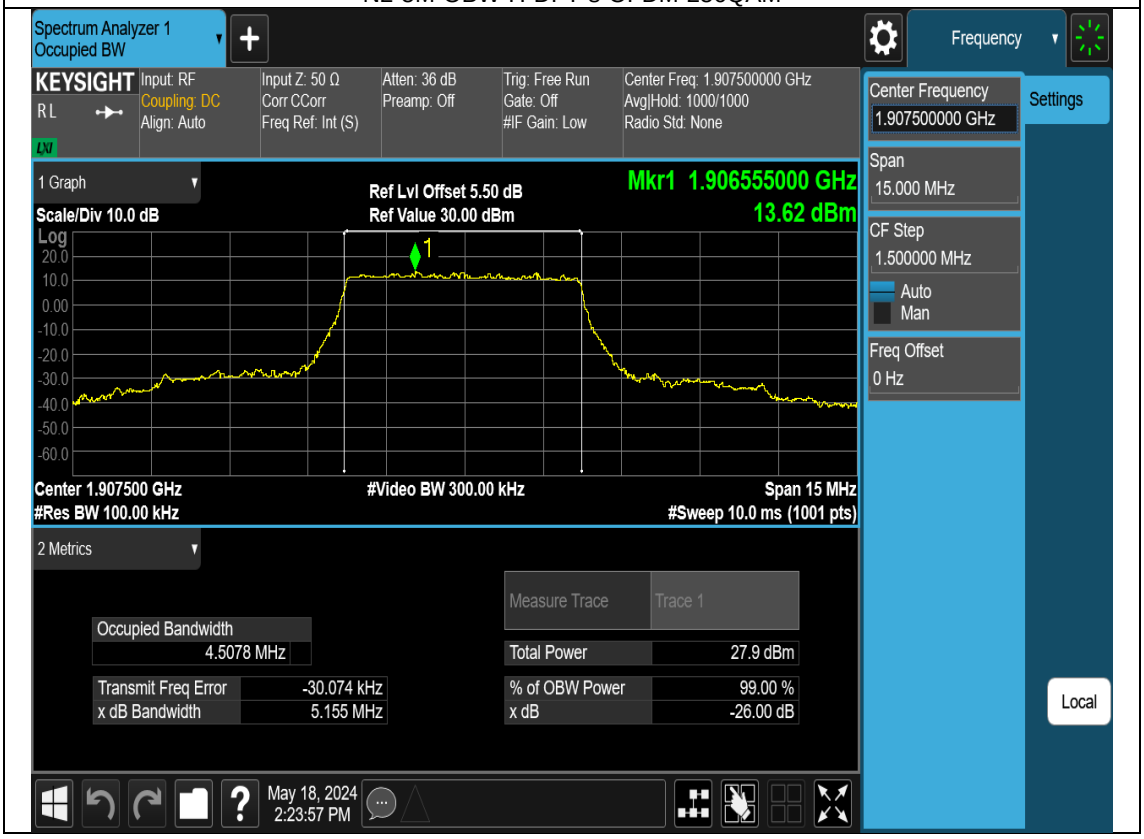


N2-5M-OBW-H-DFT-s-OFDM-64QAM



N2-5M-OBW-H-DFT-s-OFDM-256QAM



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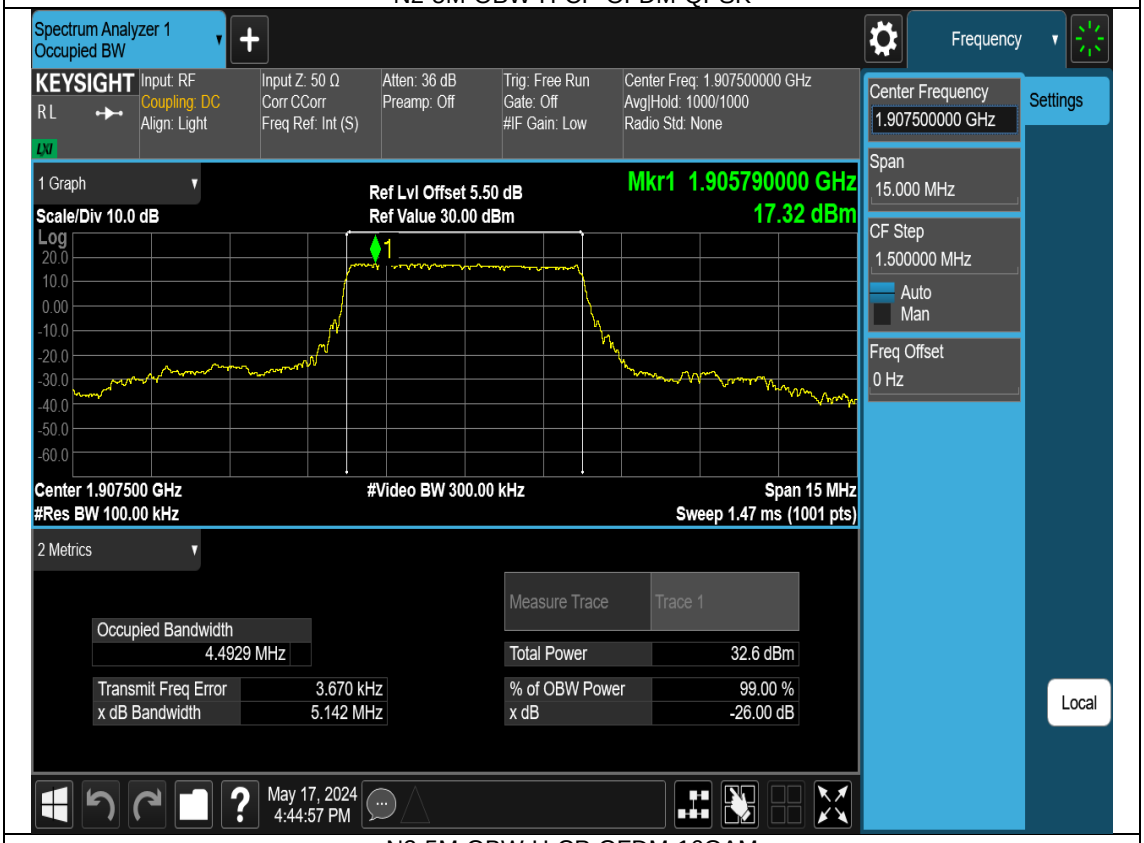
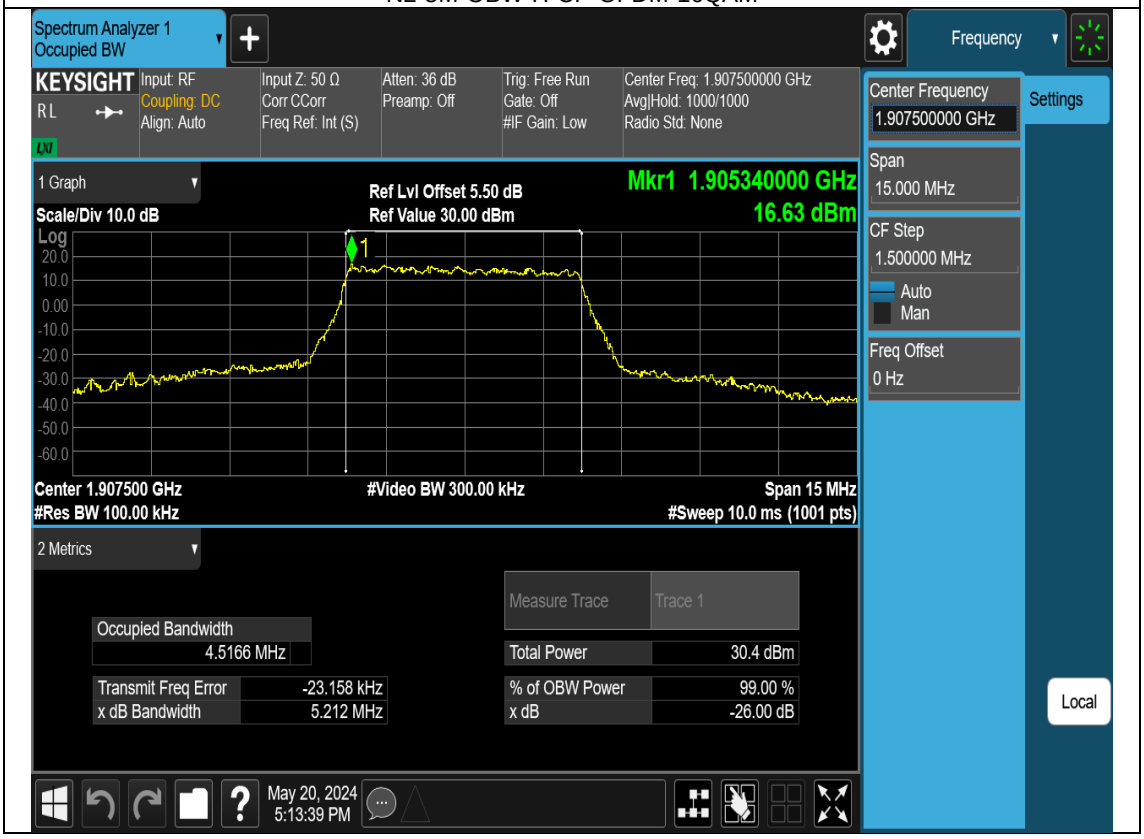
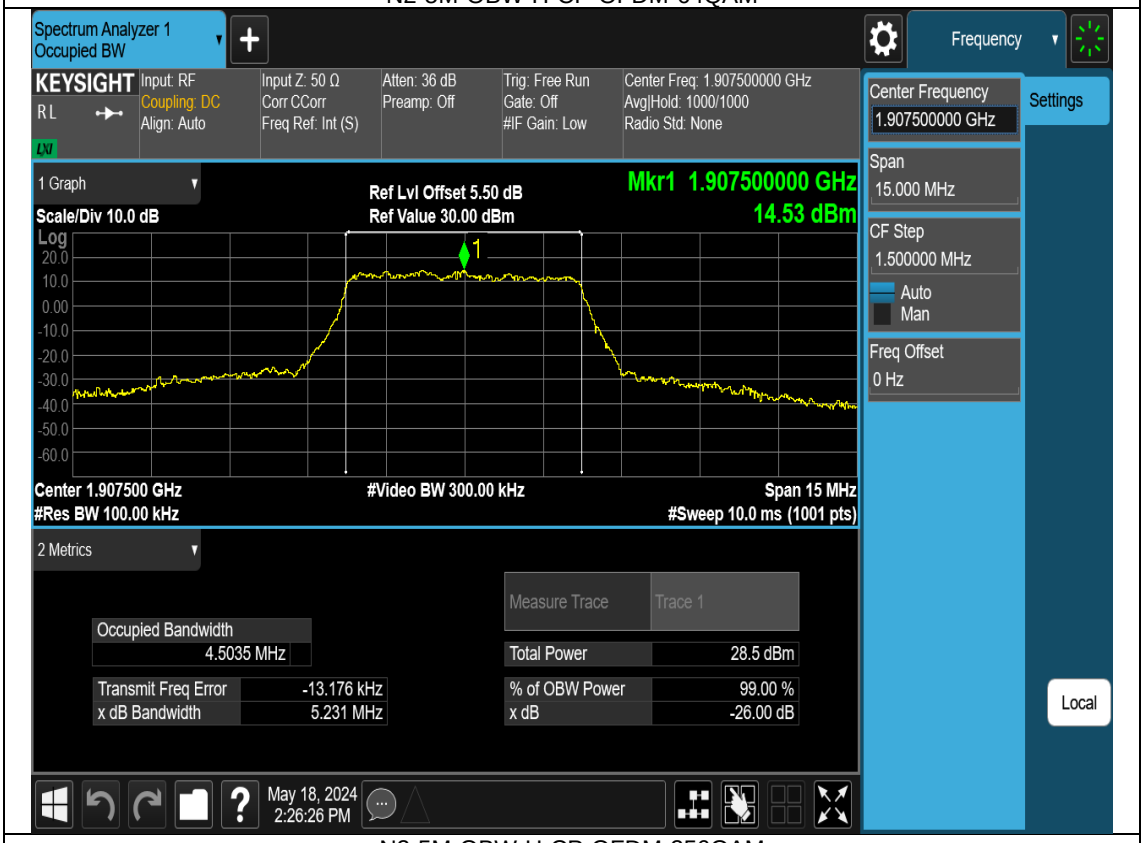


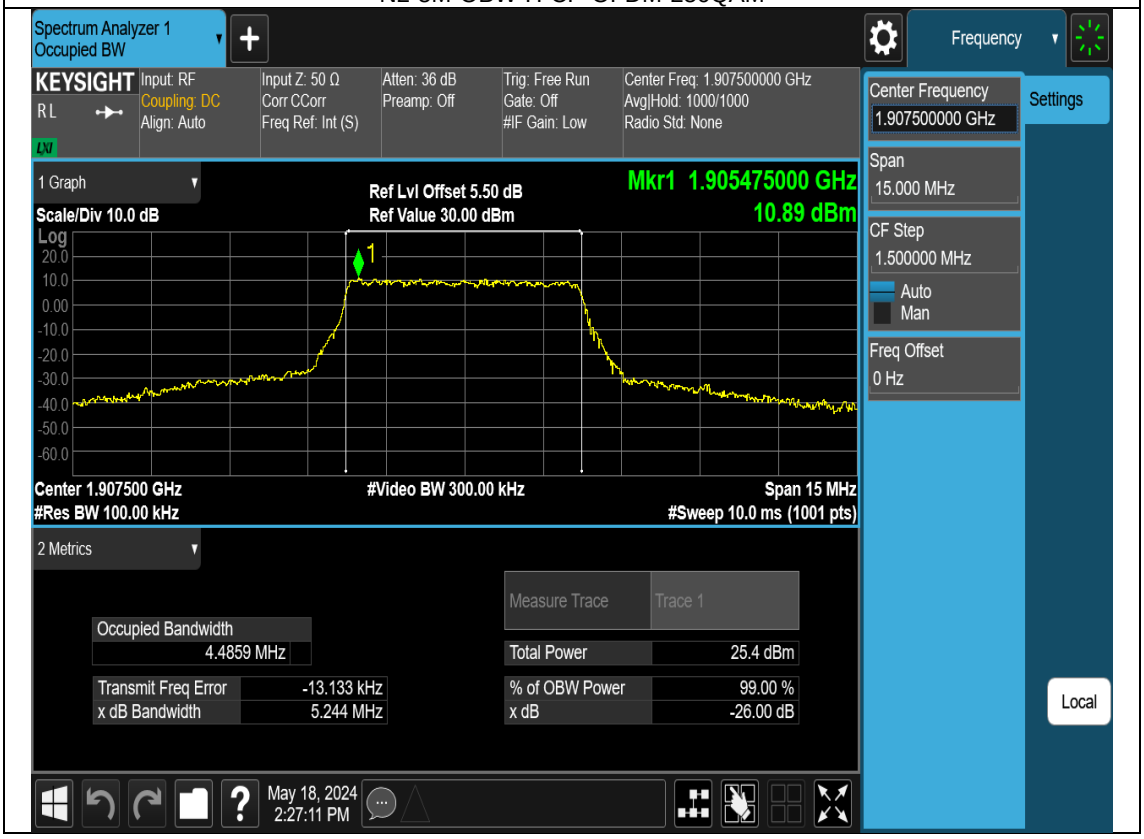
N2-5M-OBW-H-CP-OFDM-16QAM



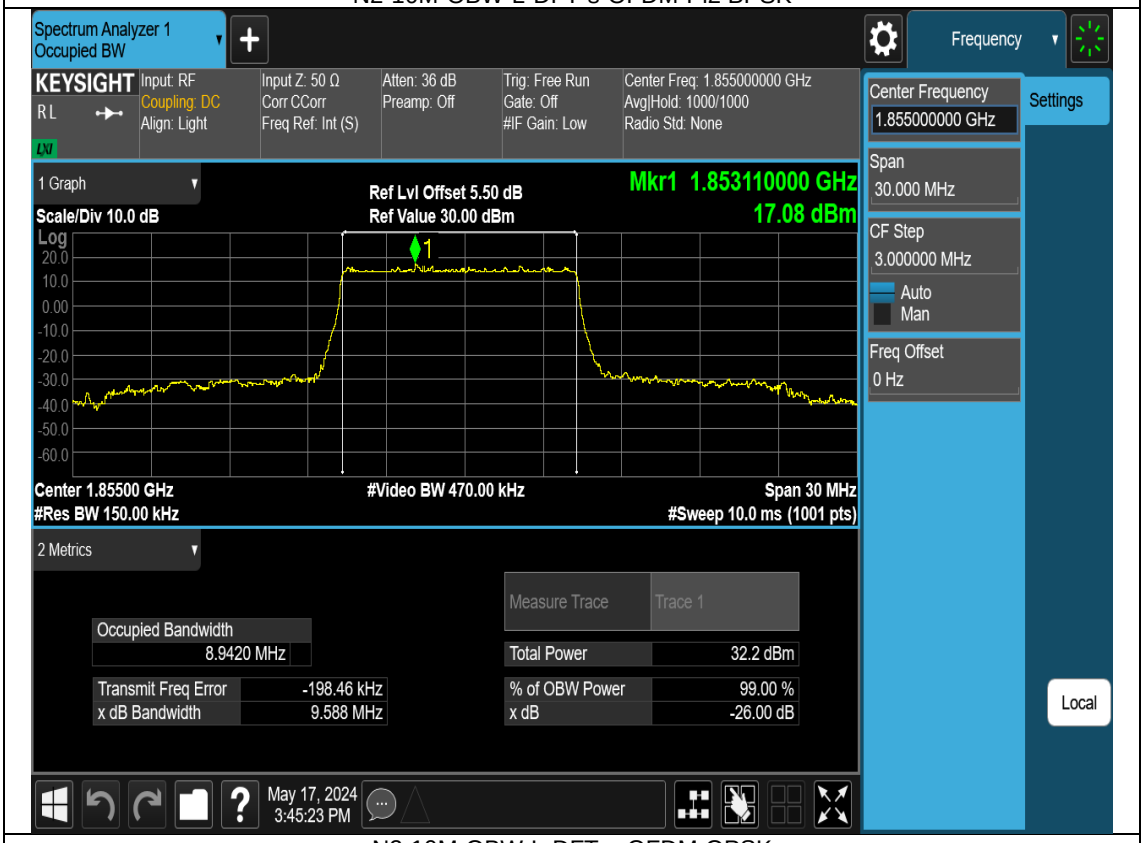
N2-5M-OBW-H-CP-OFDM-64QAM



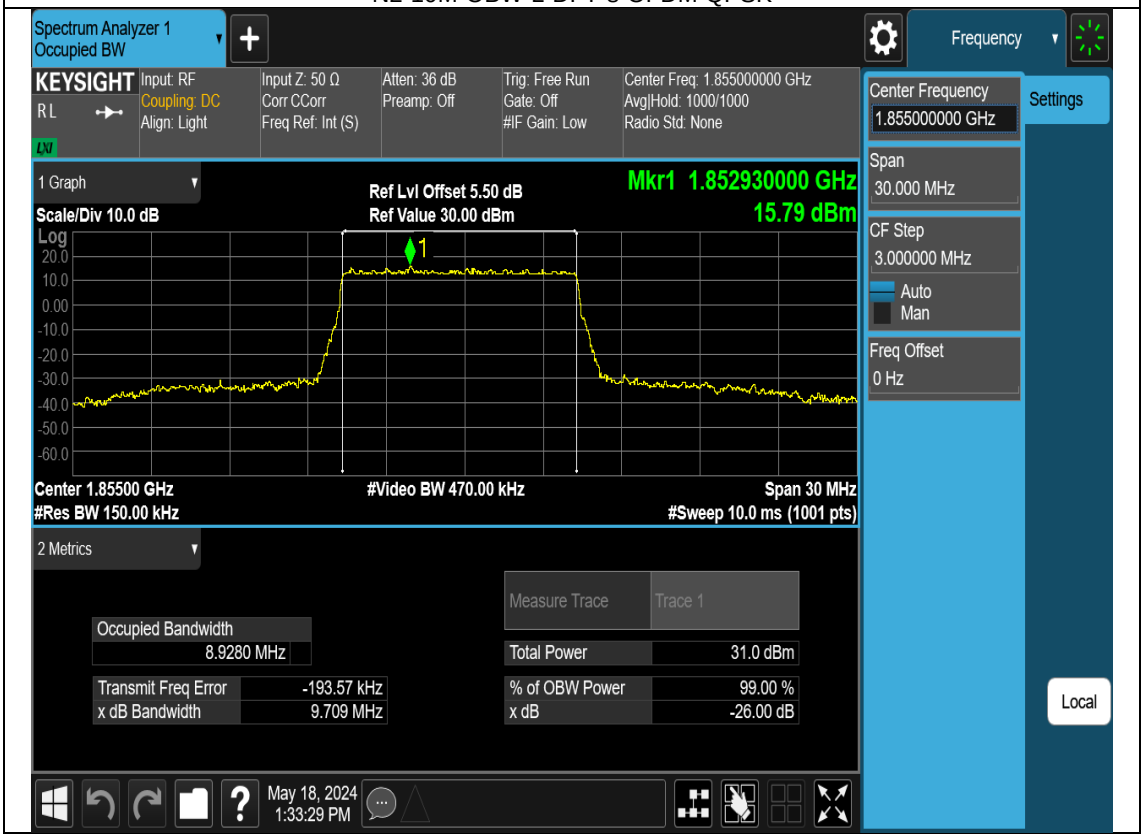
N2-5M-OBW-H-CP-OFDM-256QAM



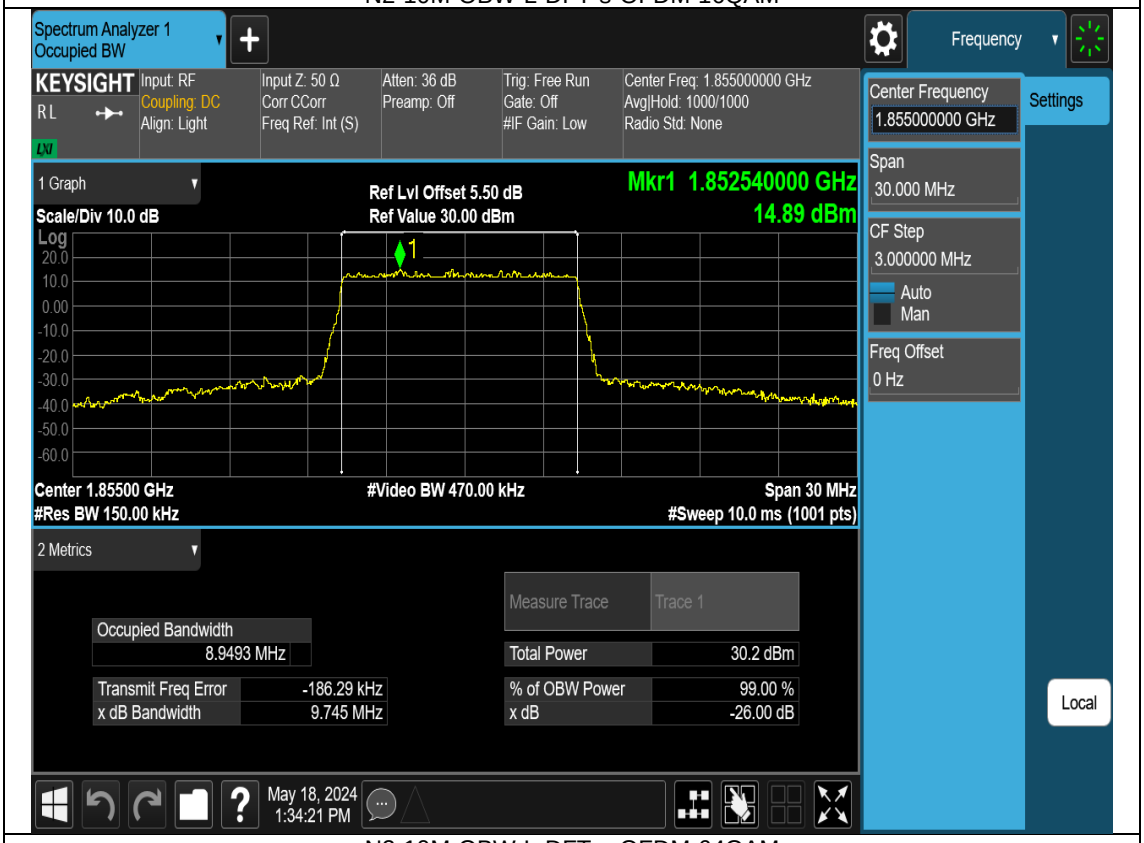
N2-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



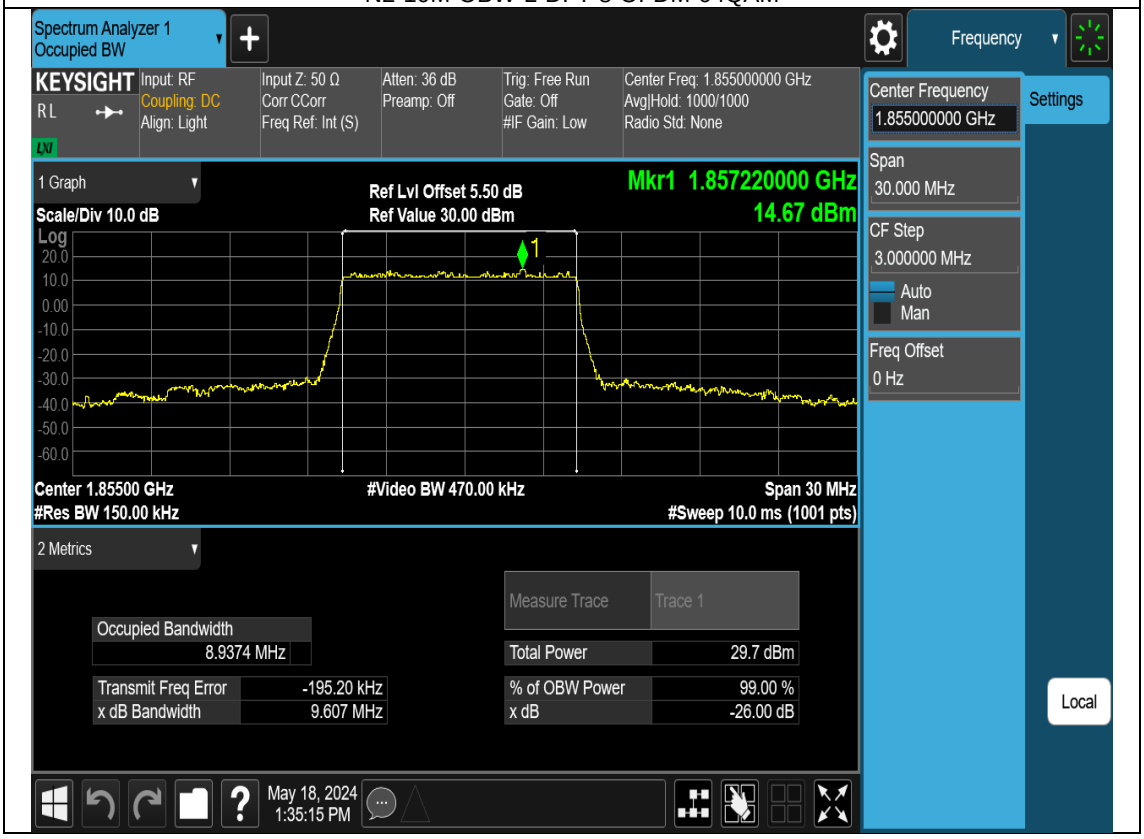
N2-10M-OBW-L-DFT-s-OFDM-QPSK



N2-10M-OBW-L-DFT-s-OFDM-16QAM



N2-10M-OBW-L-DFT-s-OFDM-64QAM



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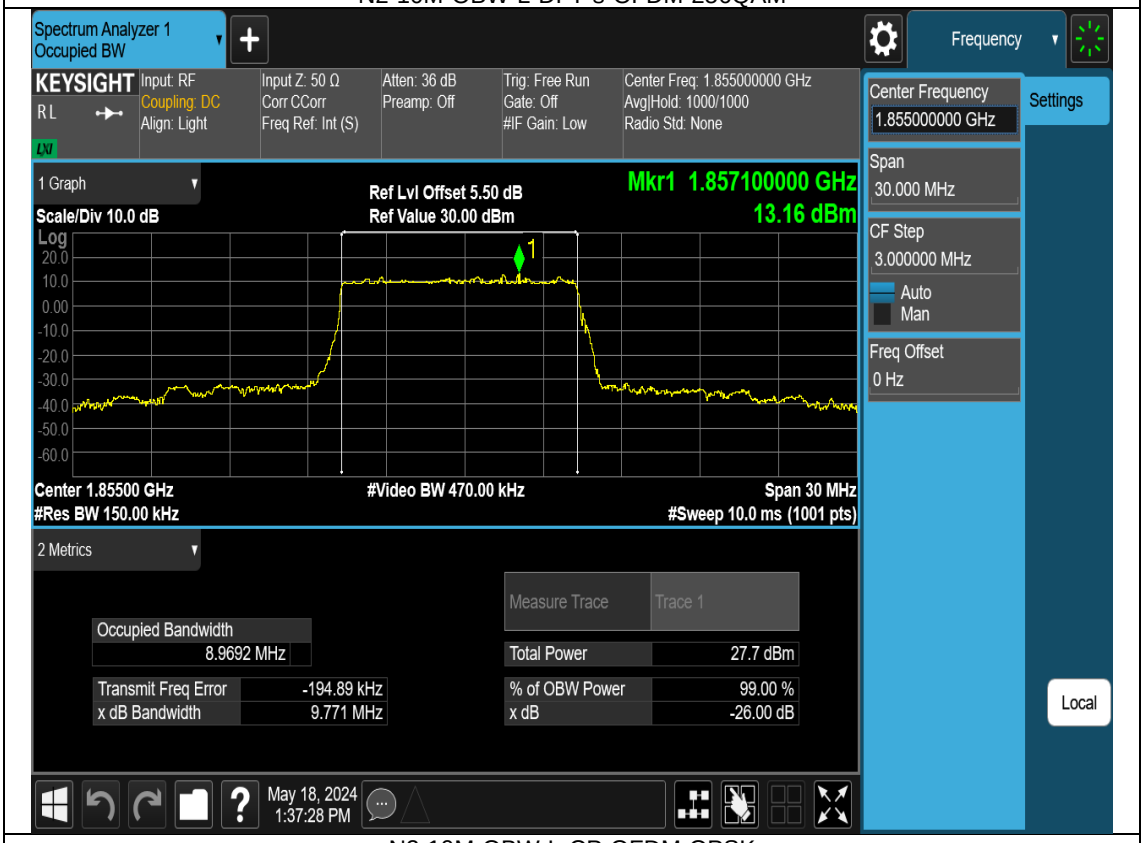

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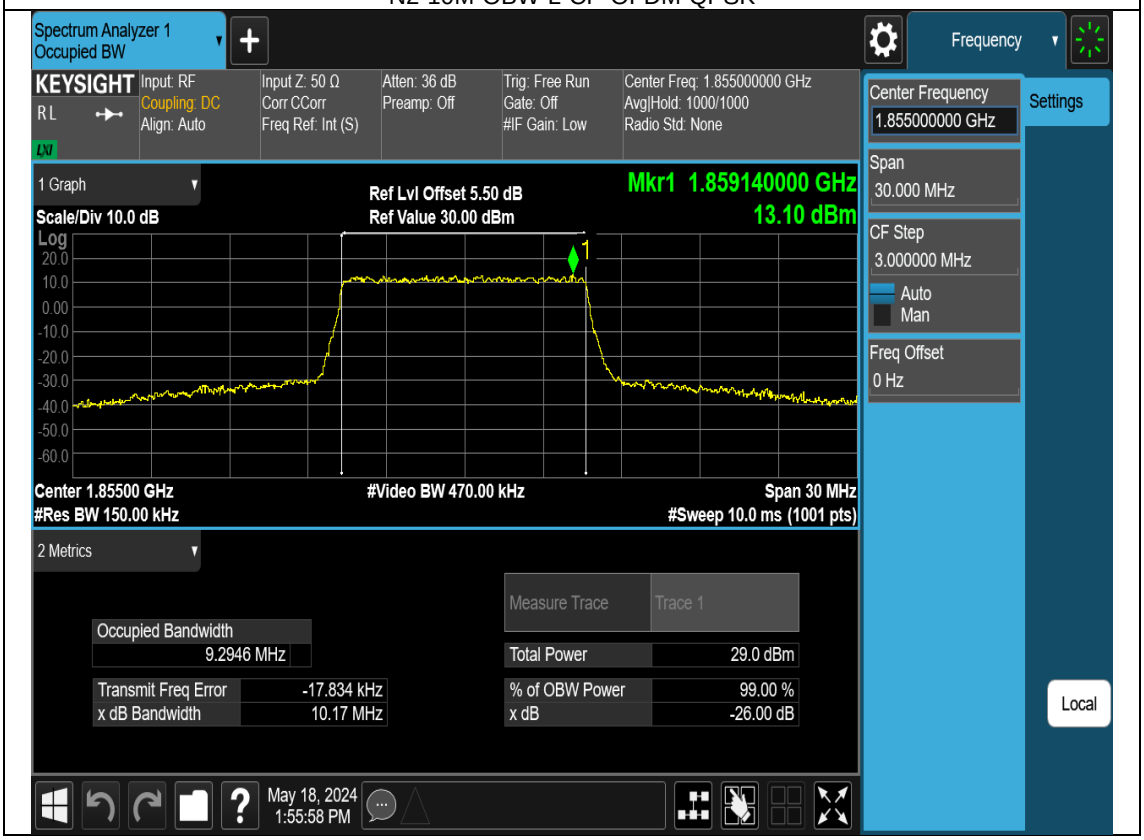

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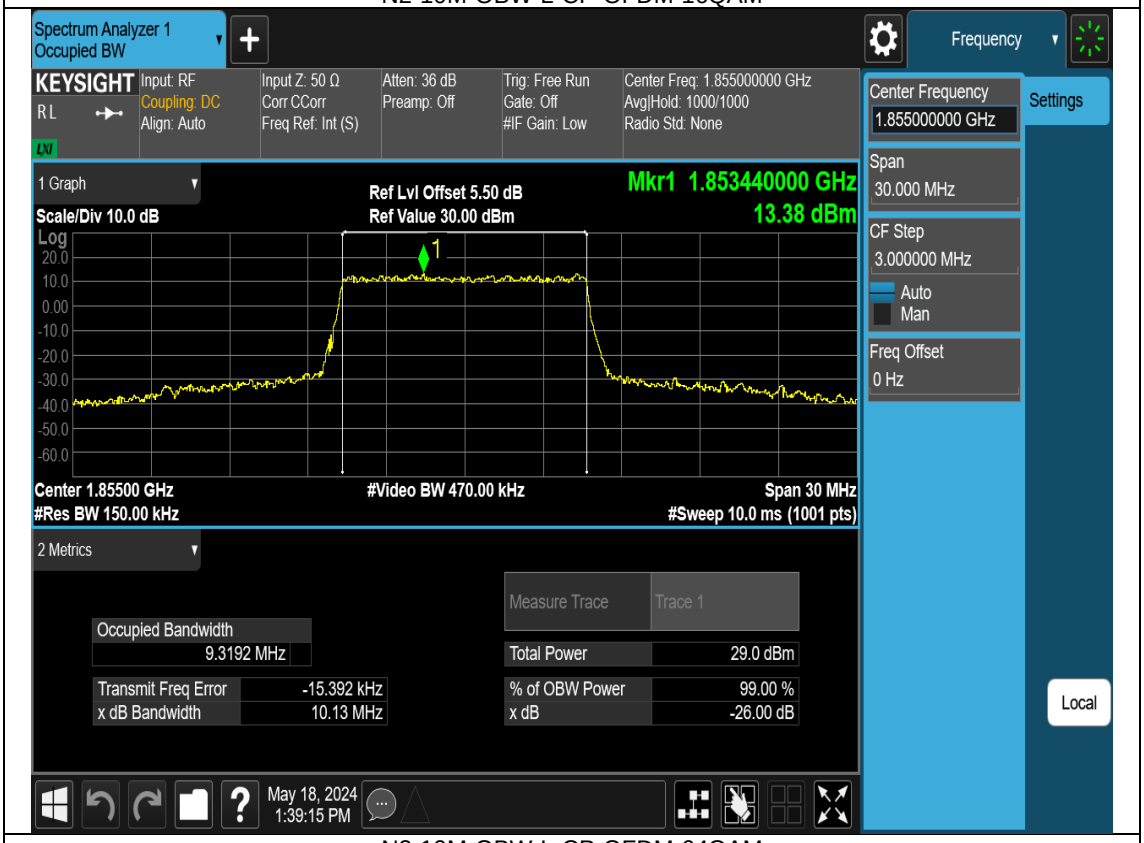

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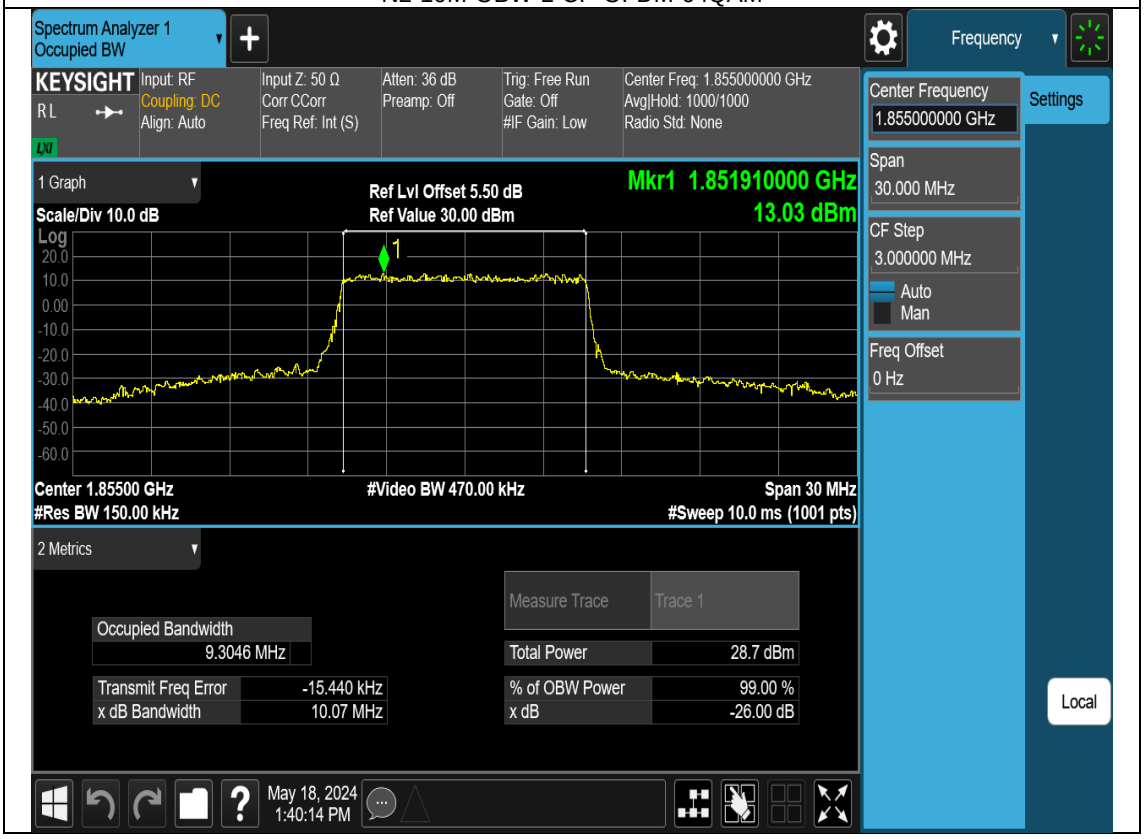

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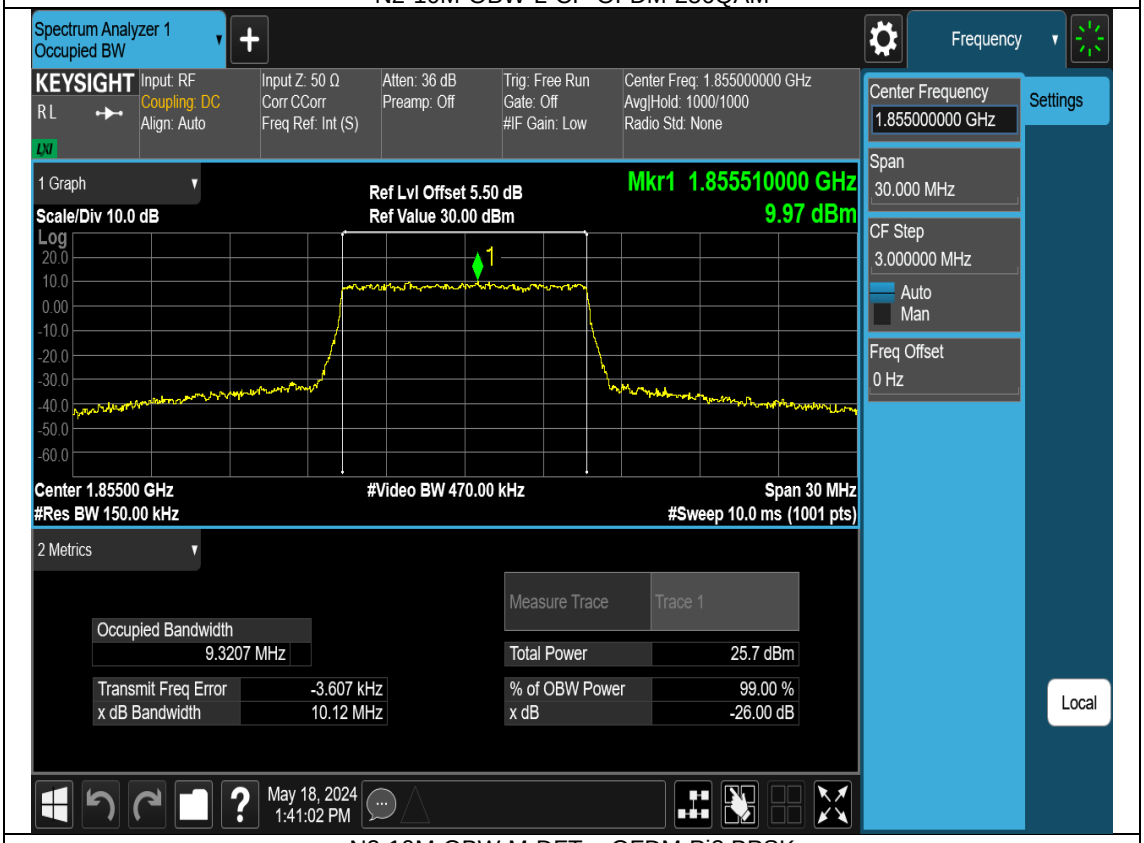
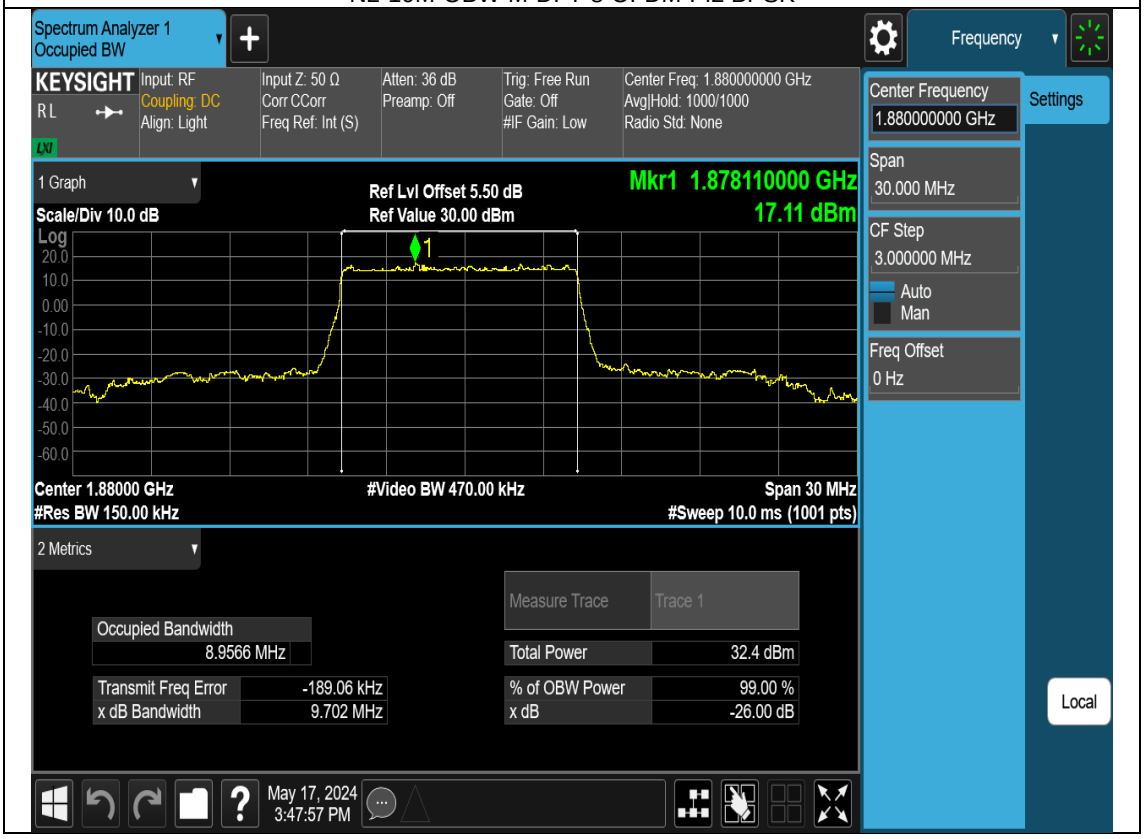


N2-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



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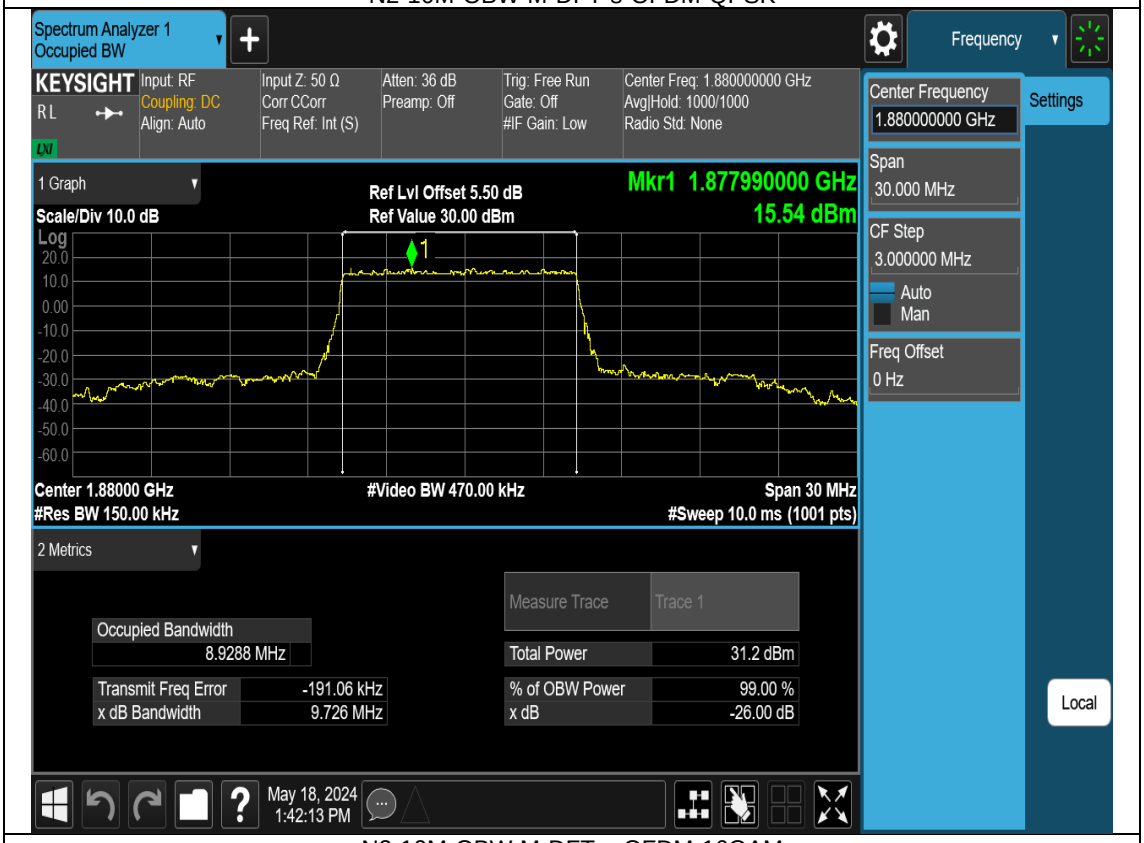

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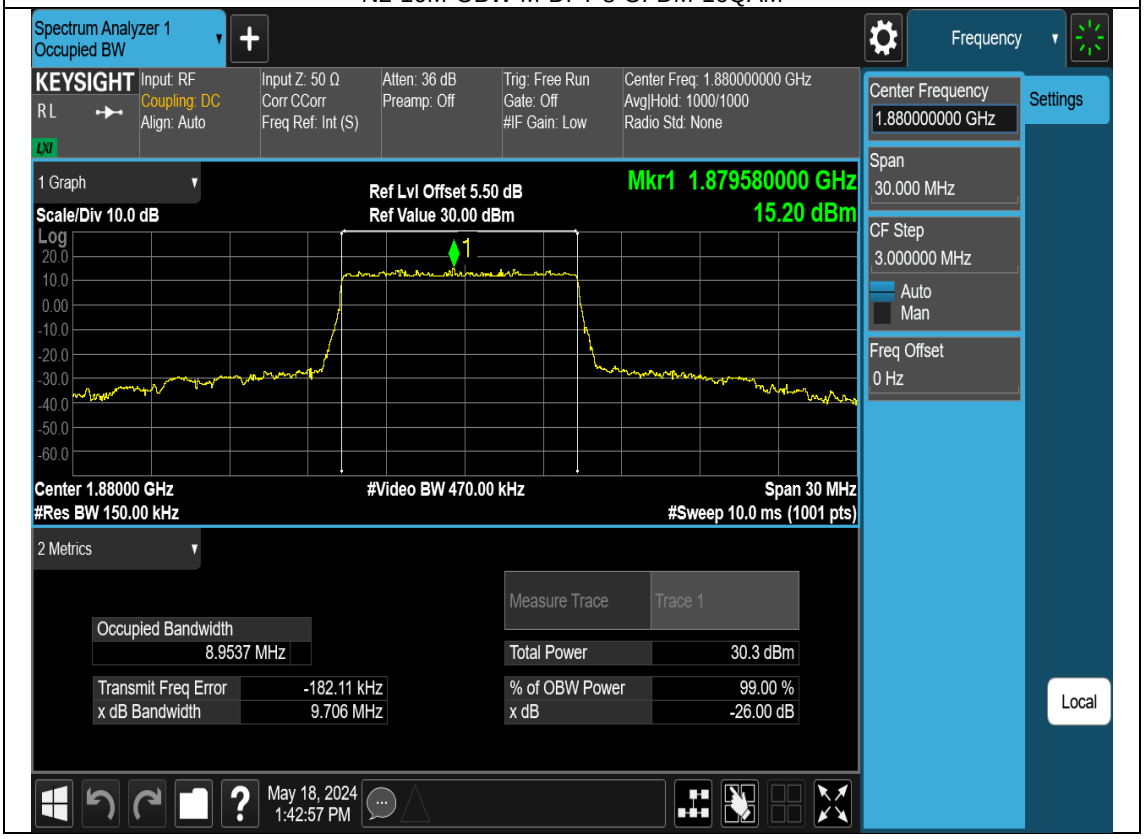

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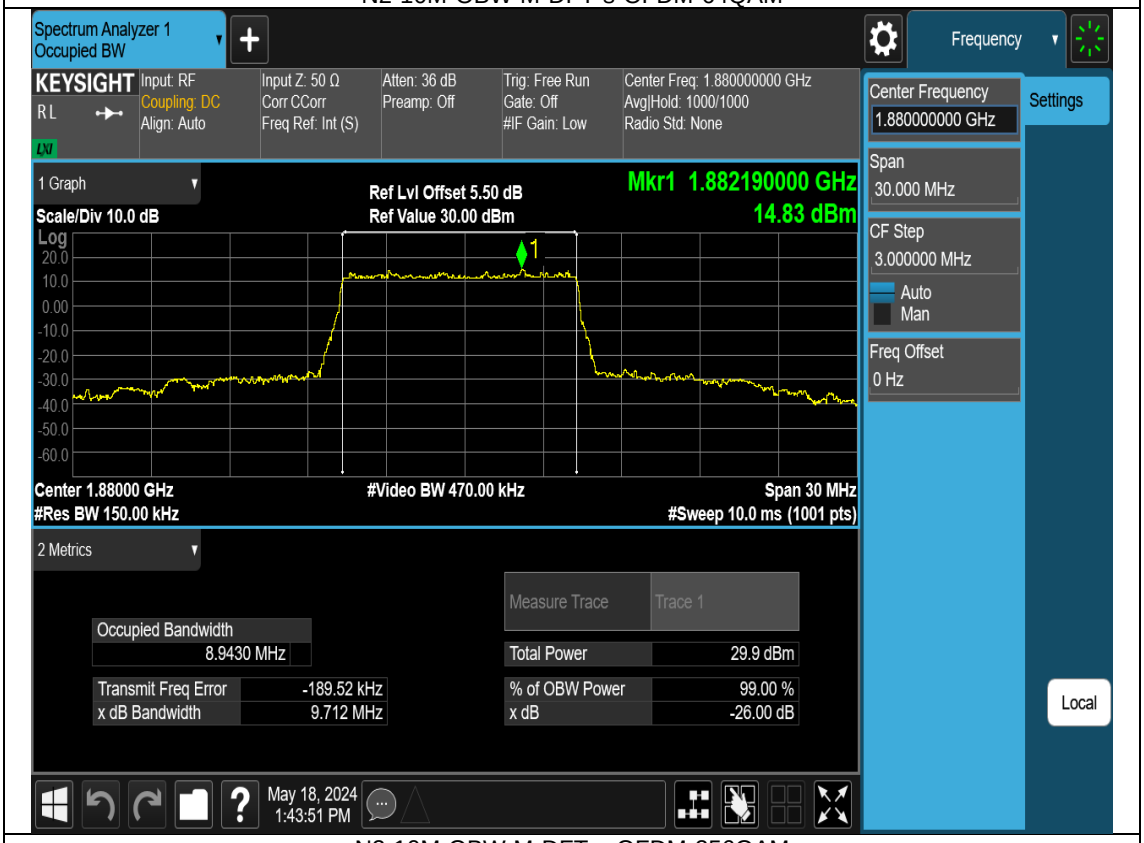

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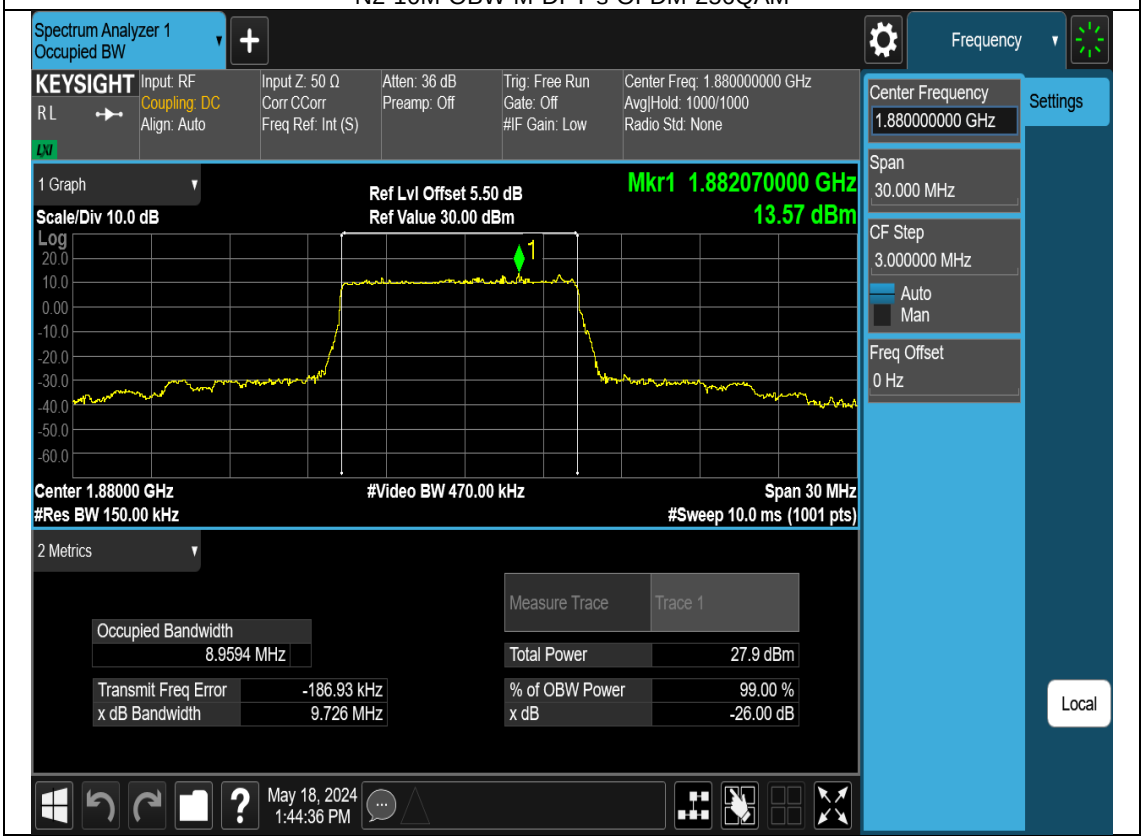

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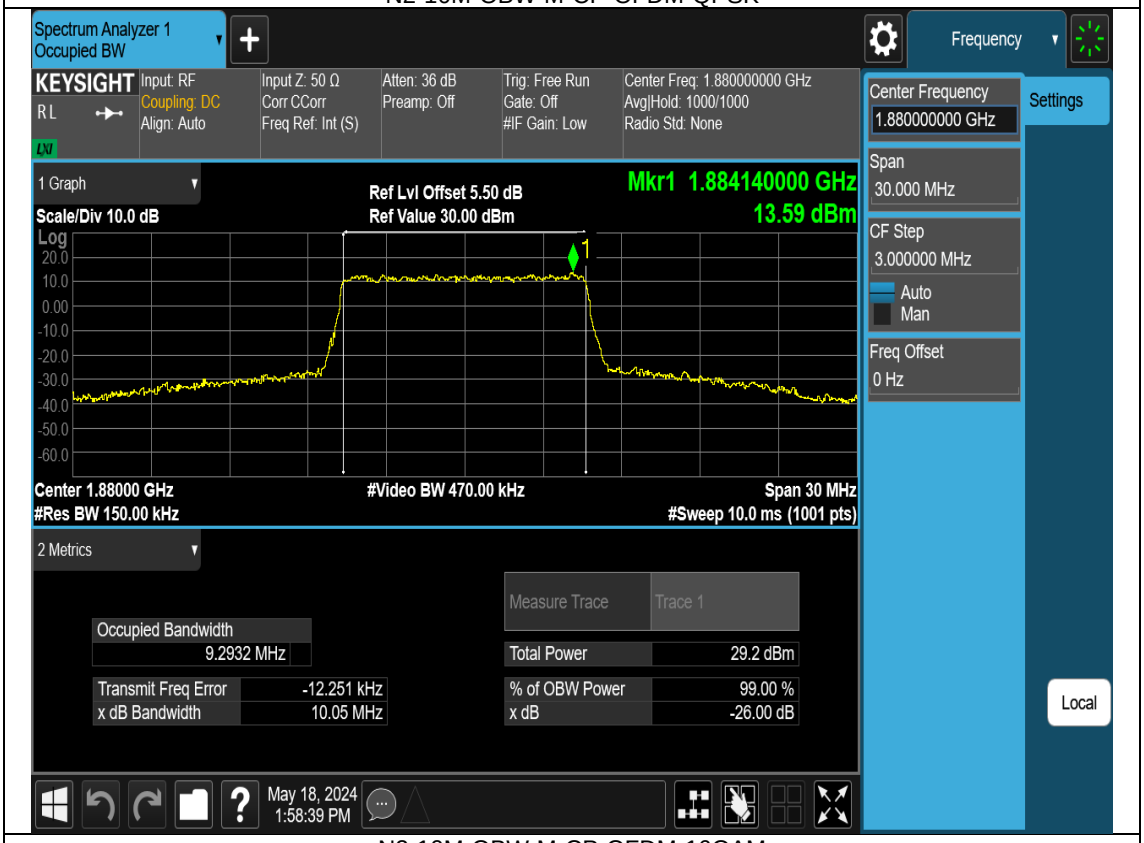

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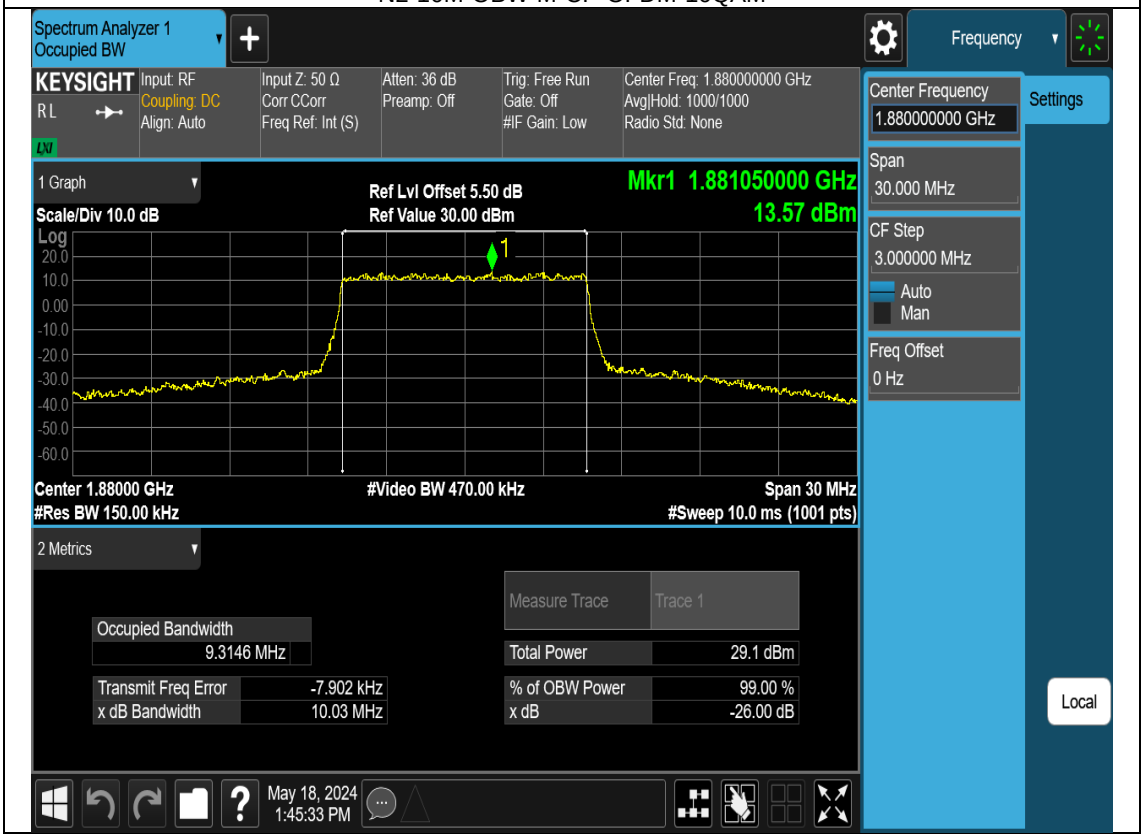

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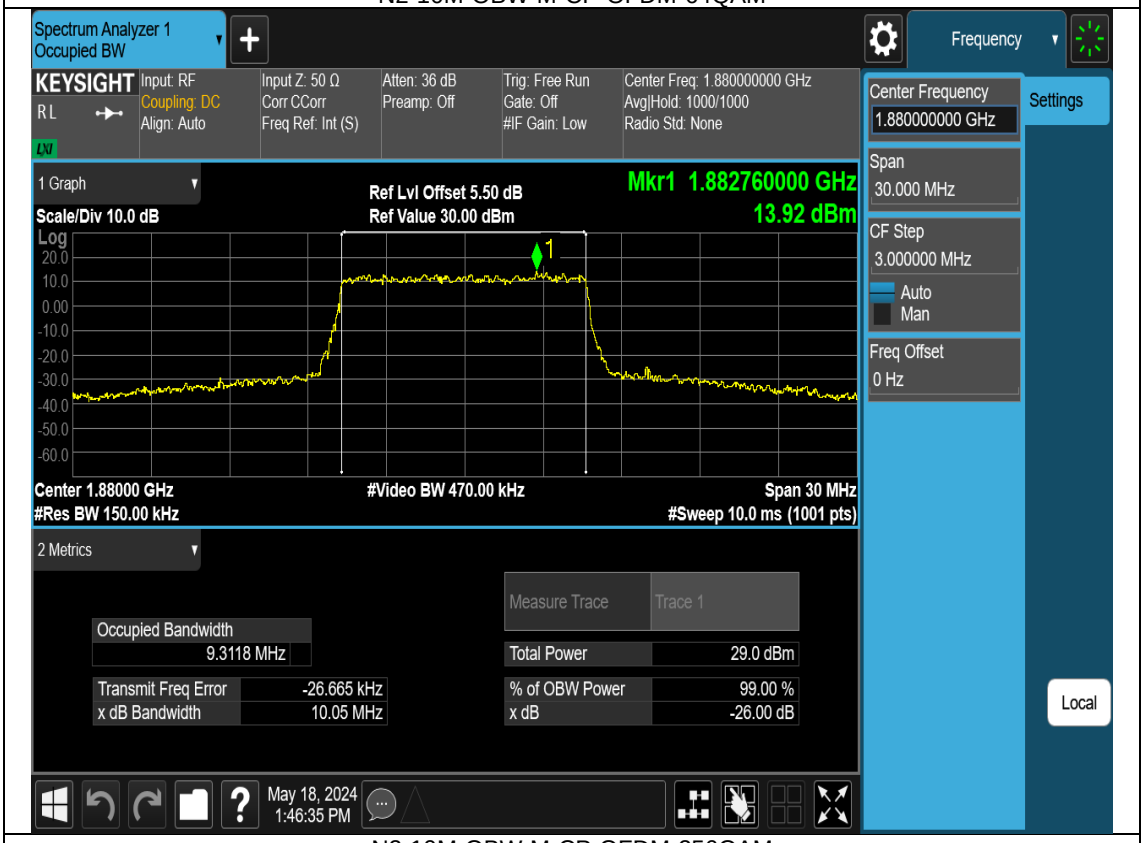

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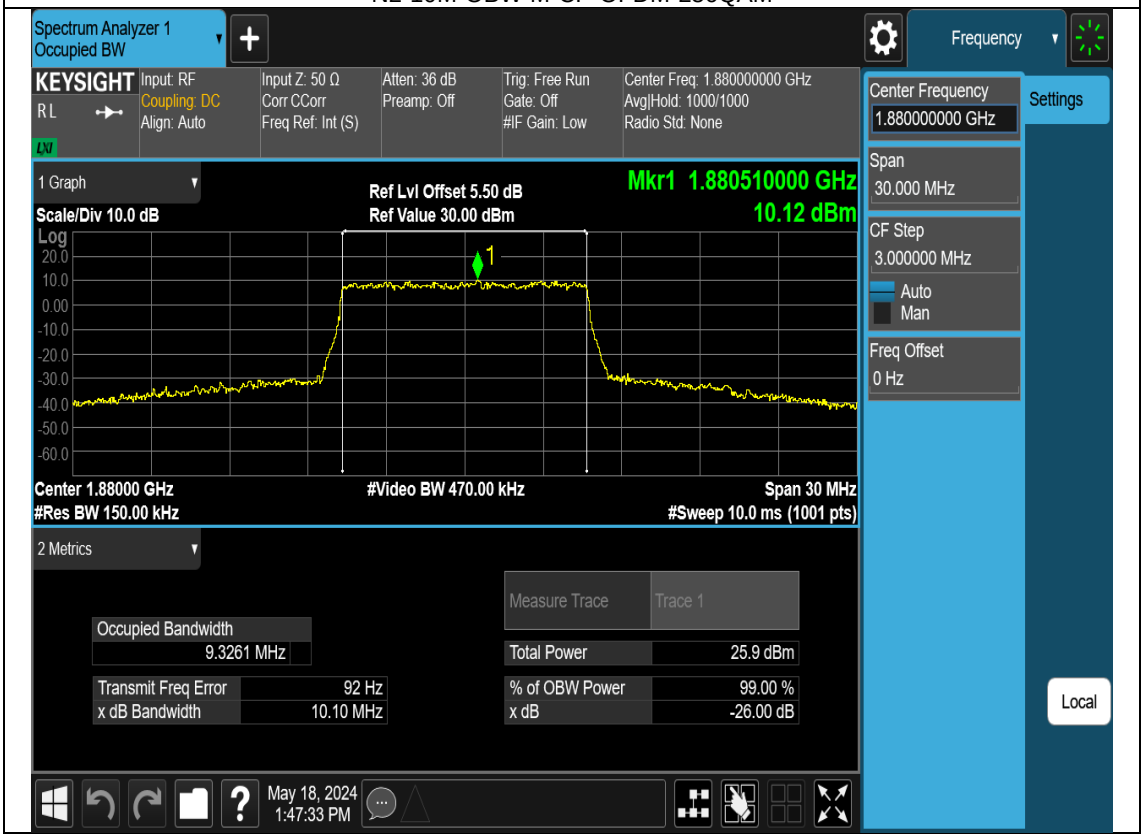
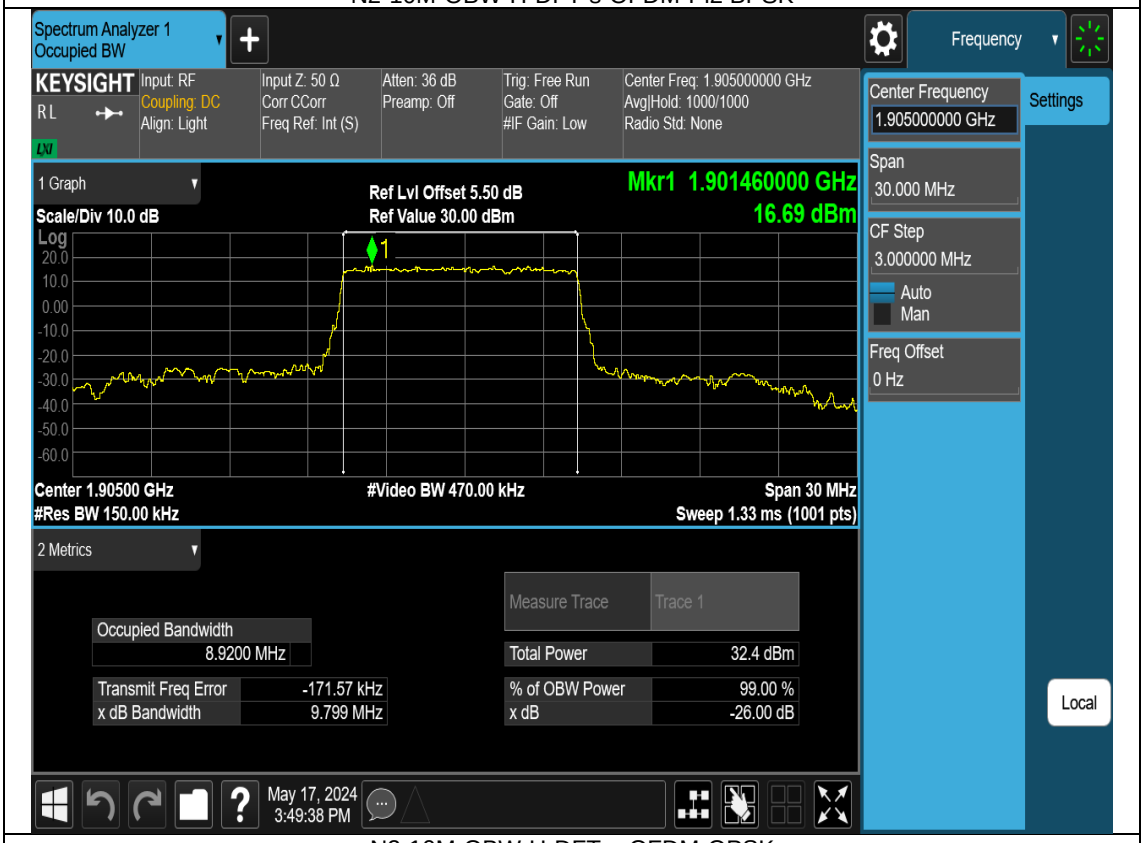


N2-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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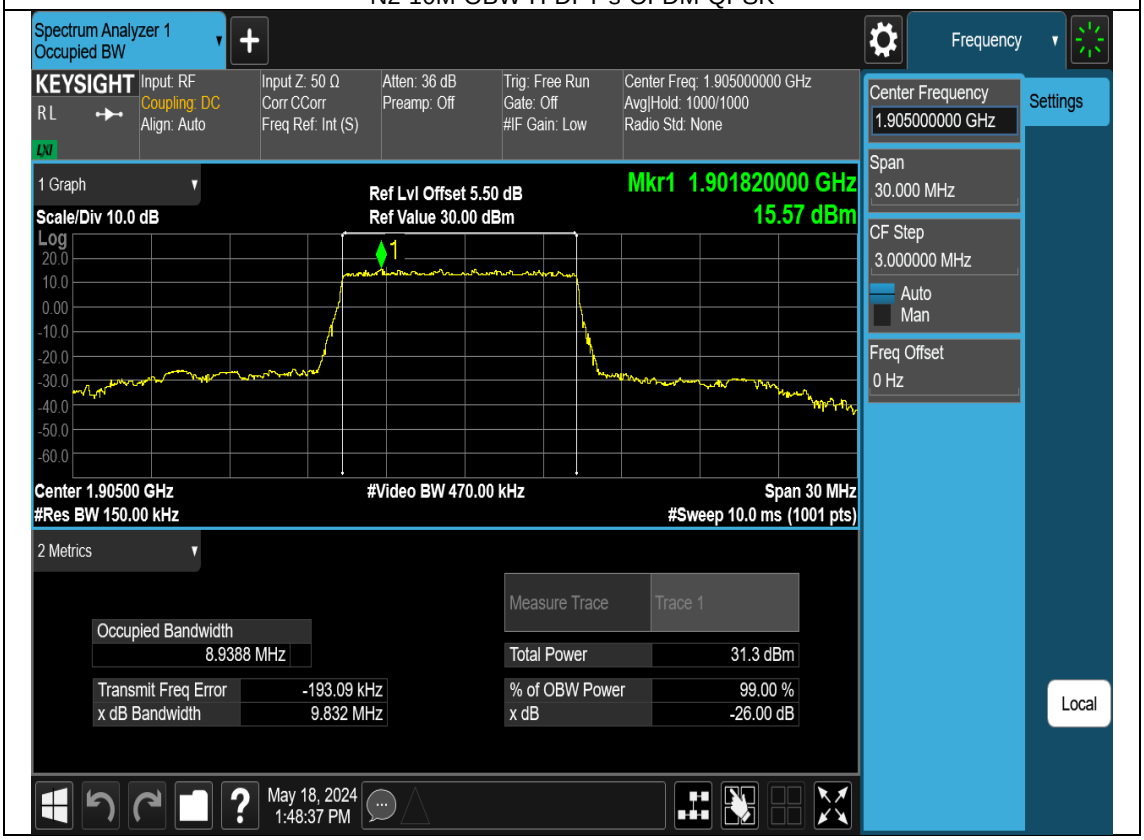

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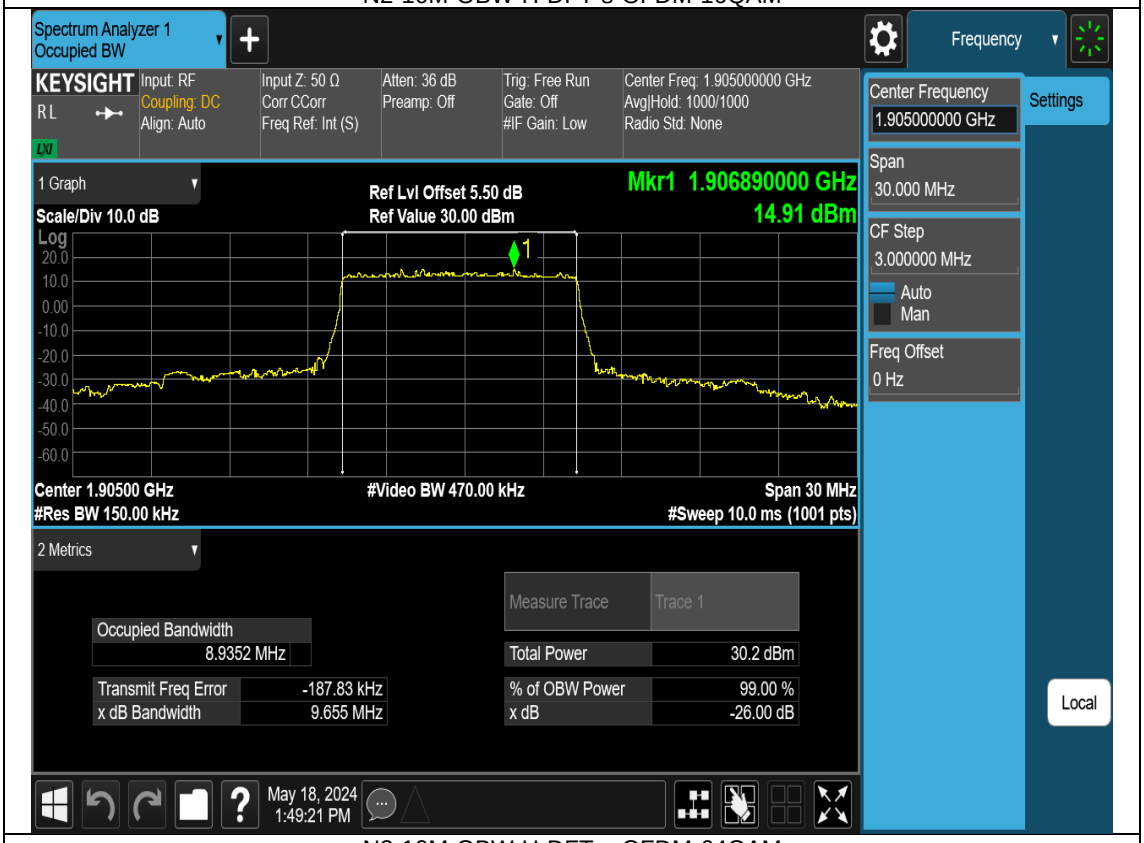

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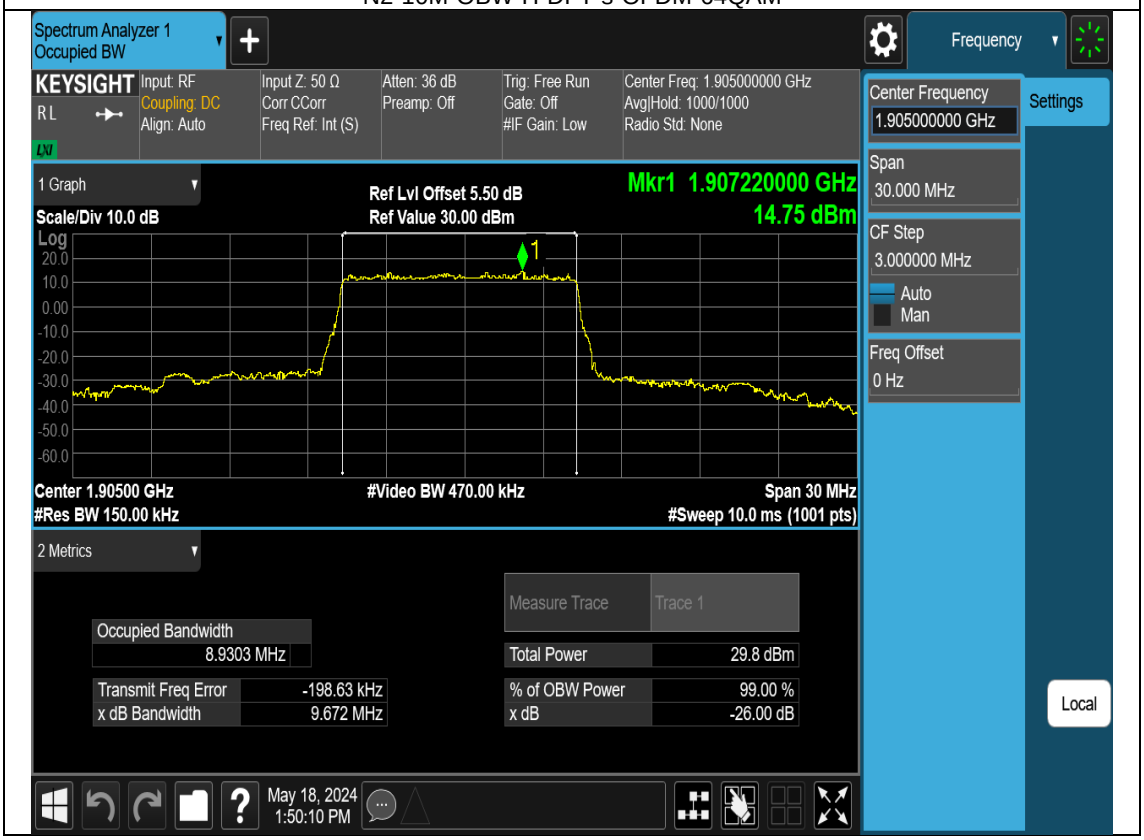

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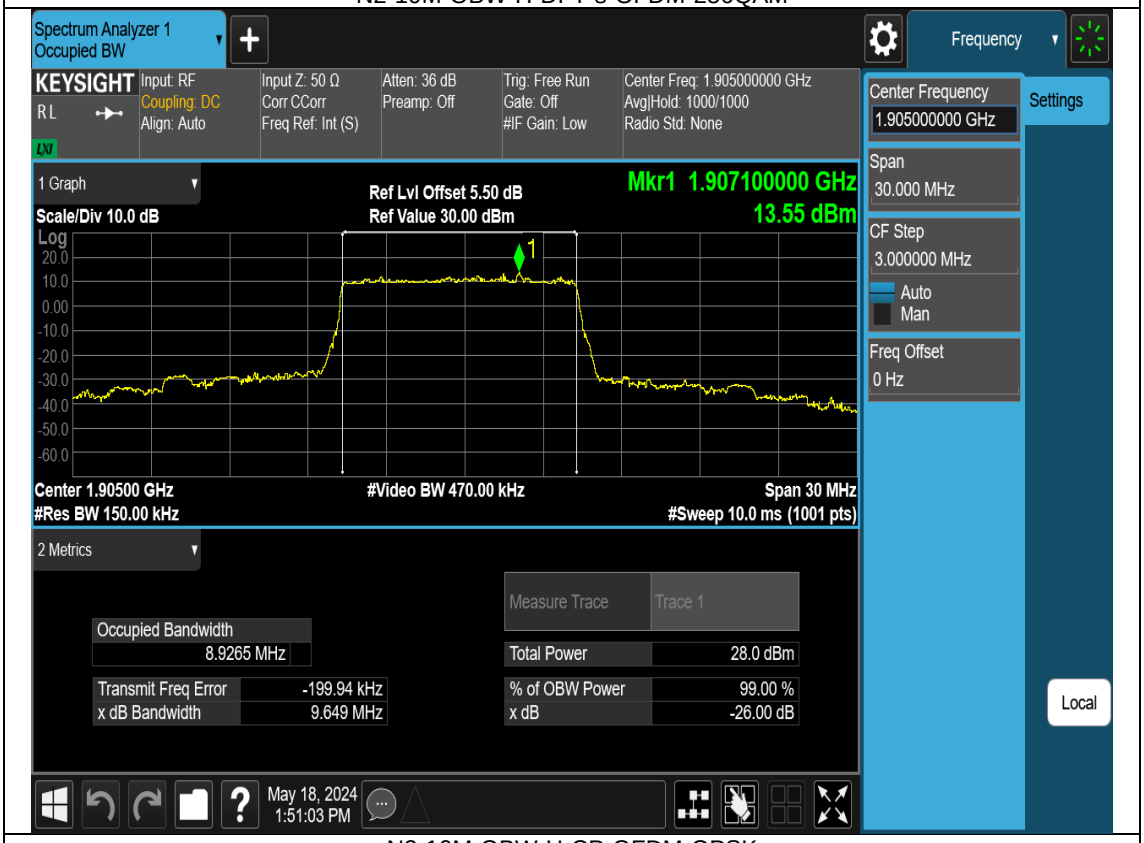

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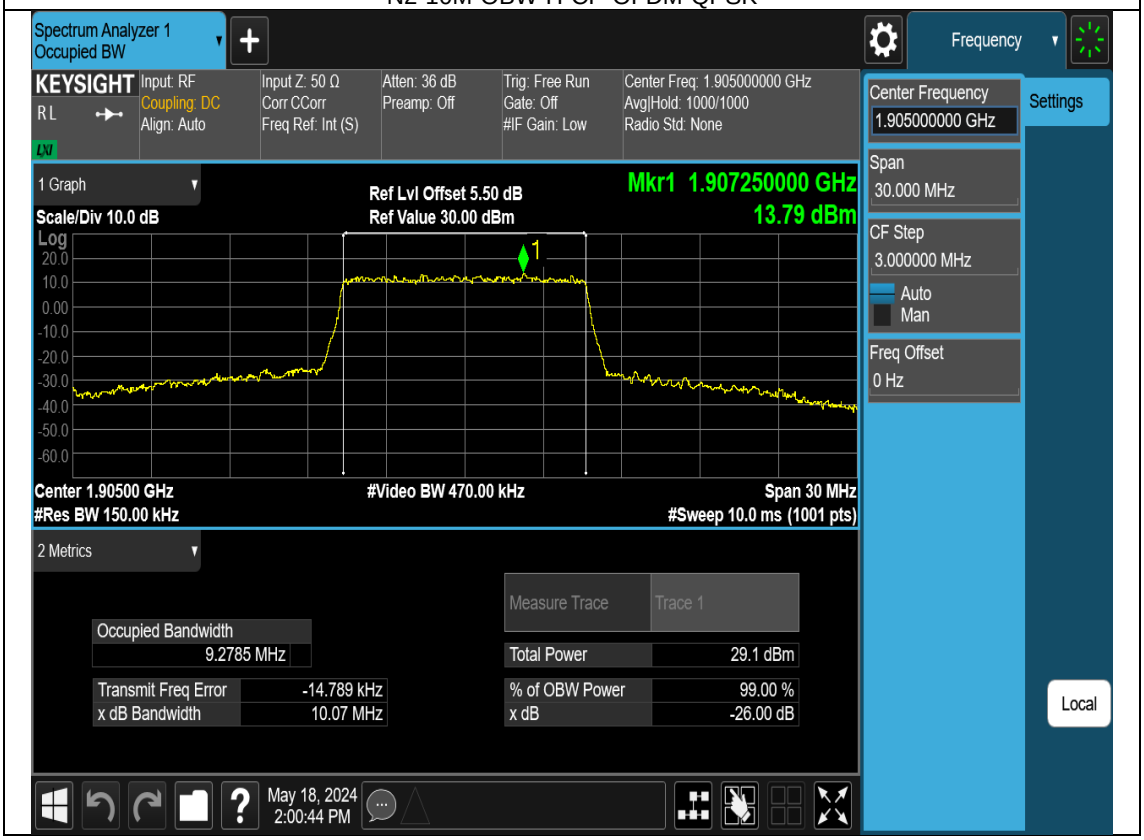

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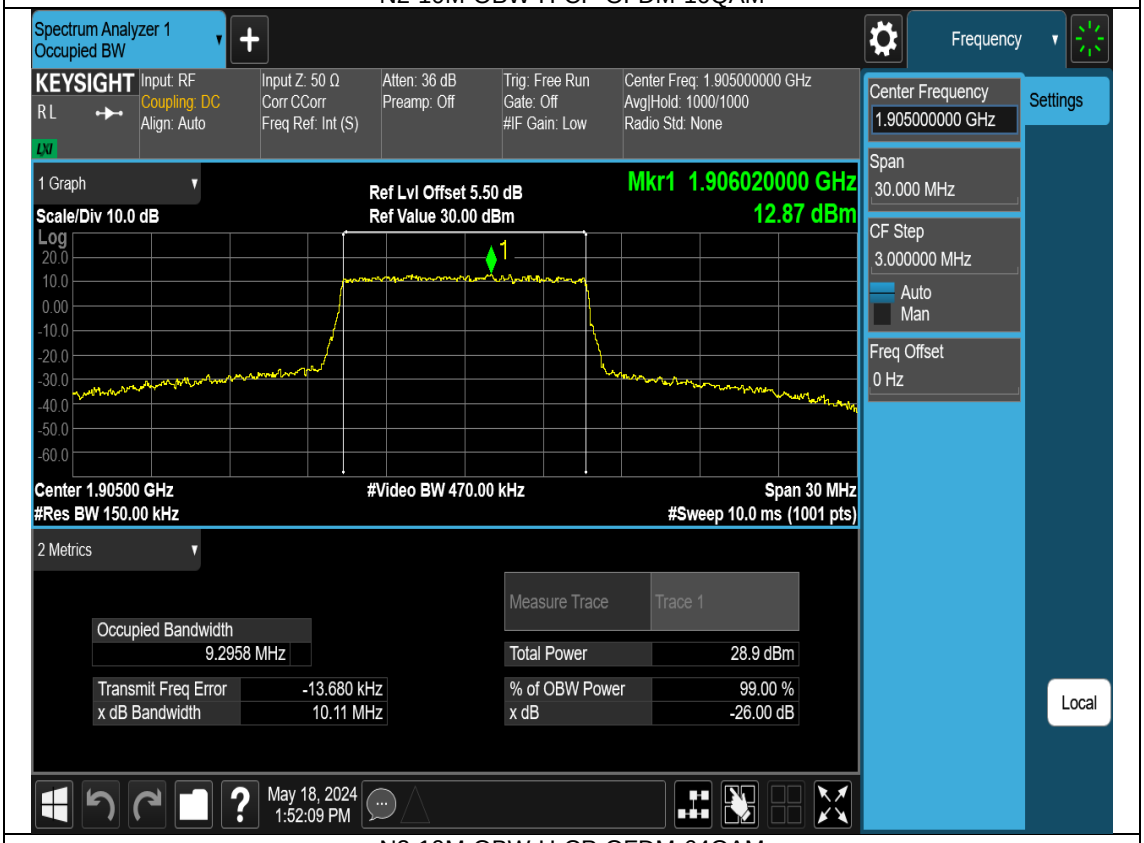

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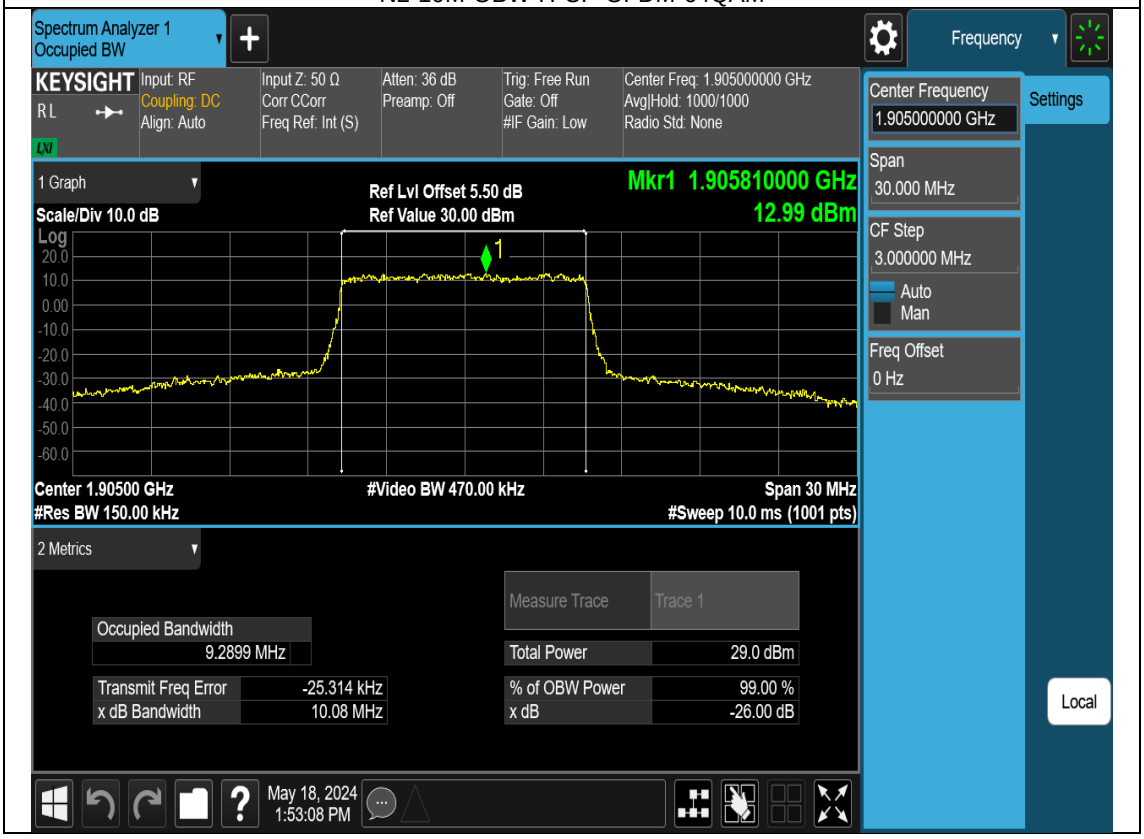

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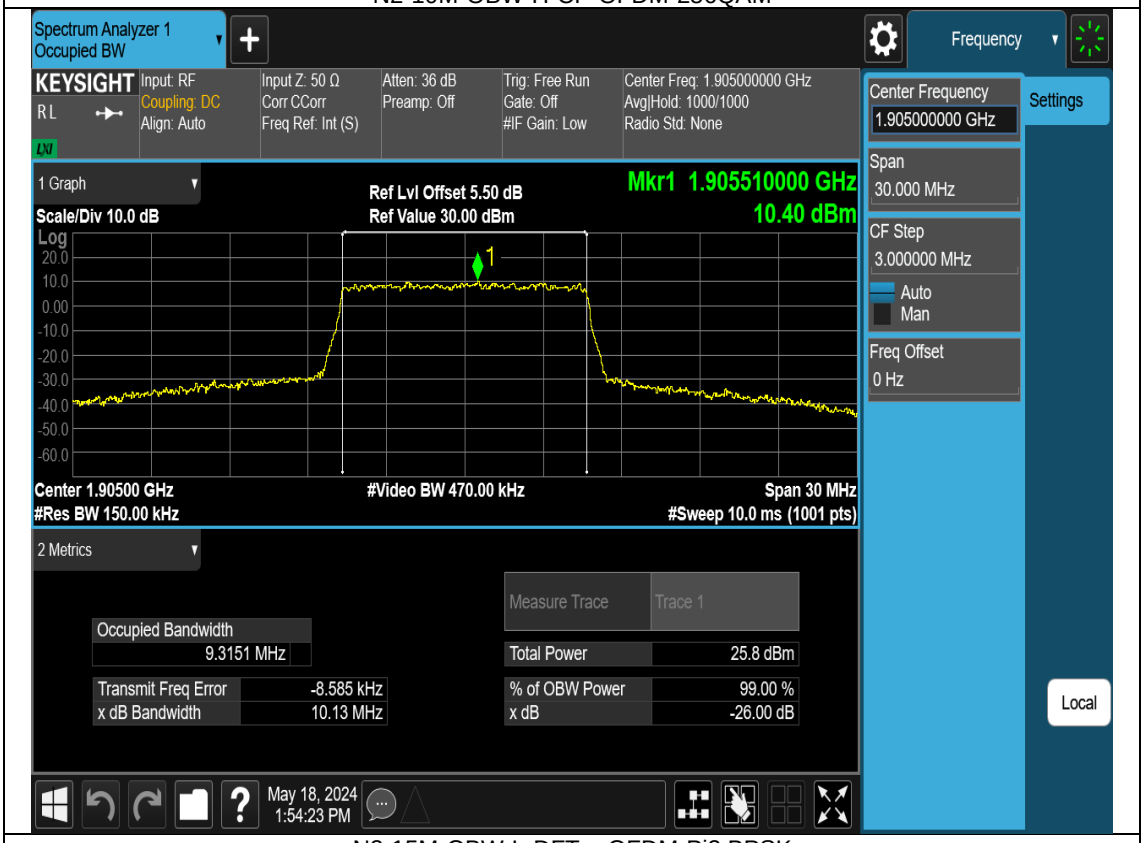
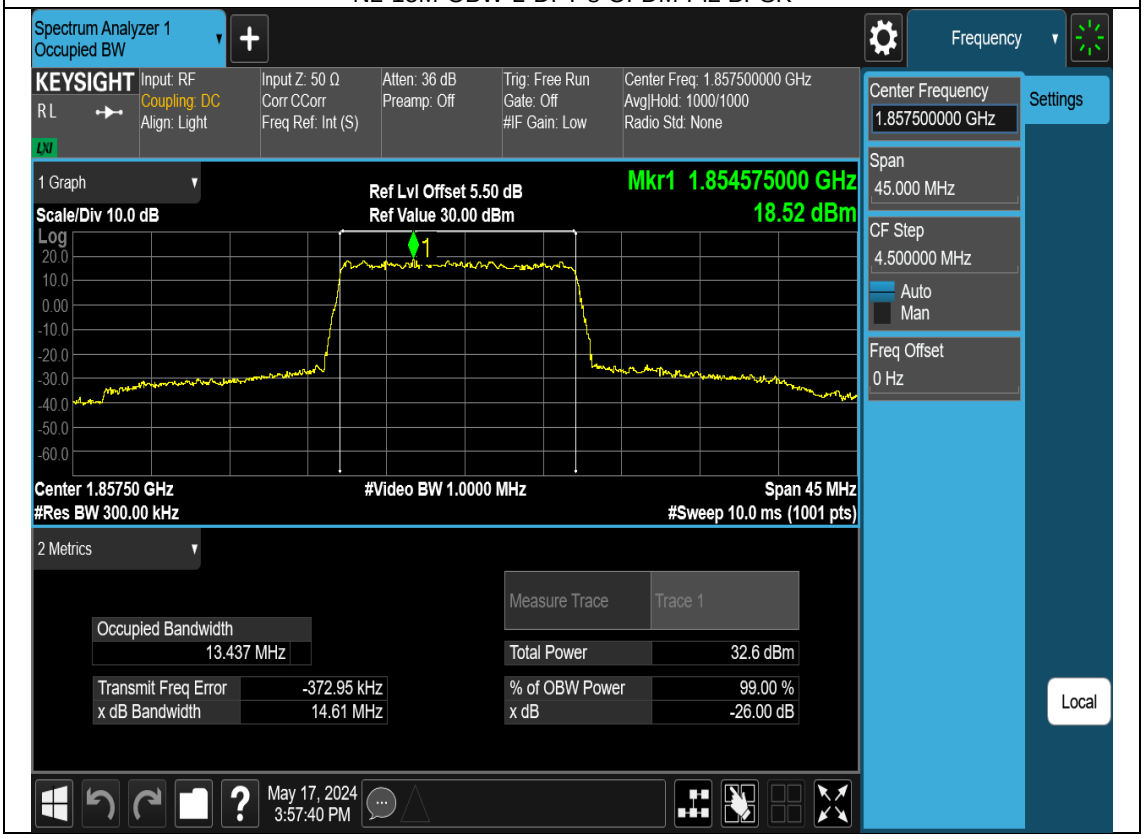


N2-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



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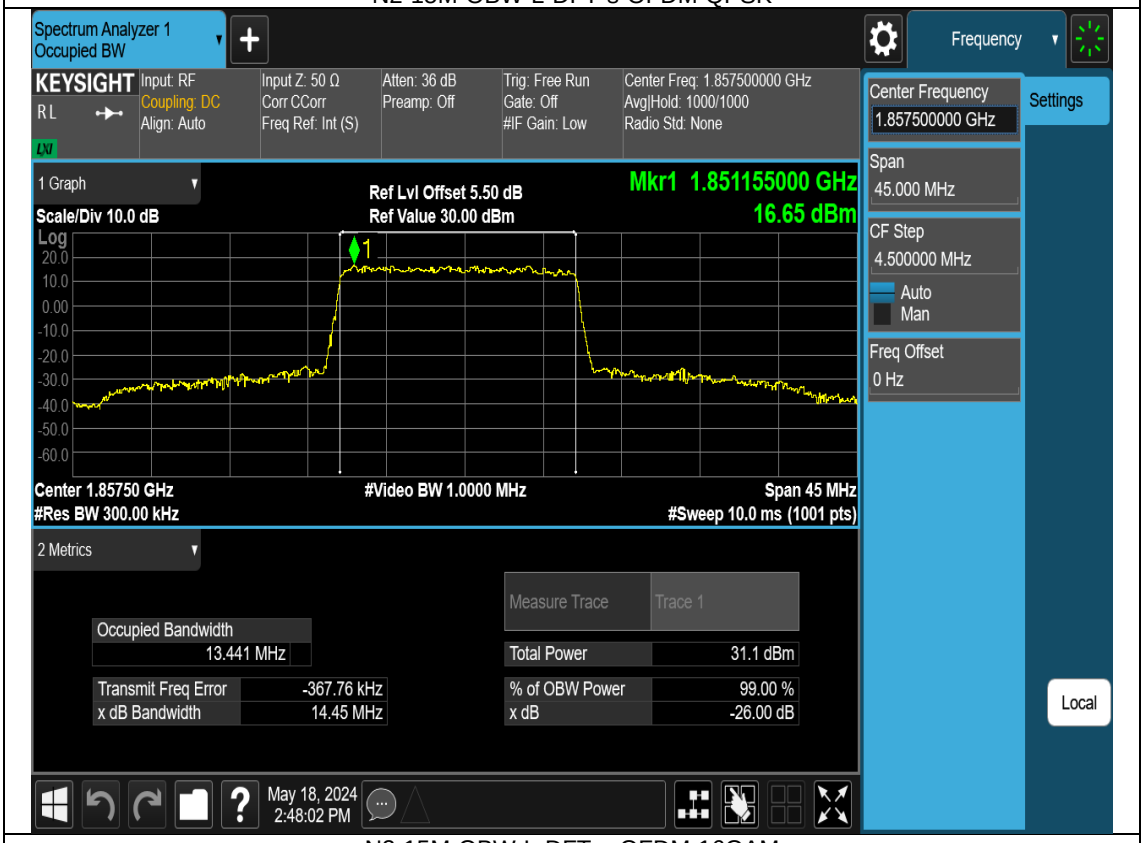

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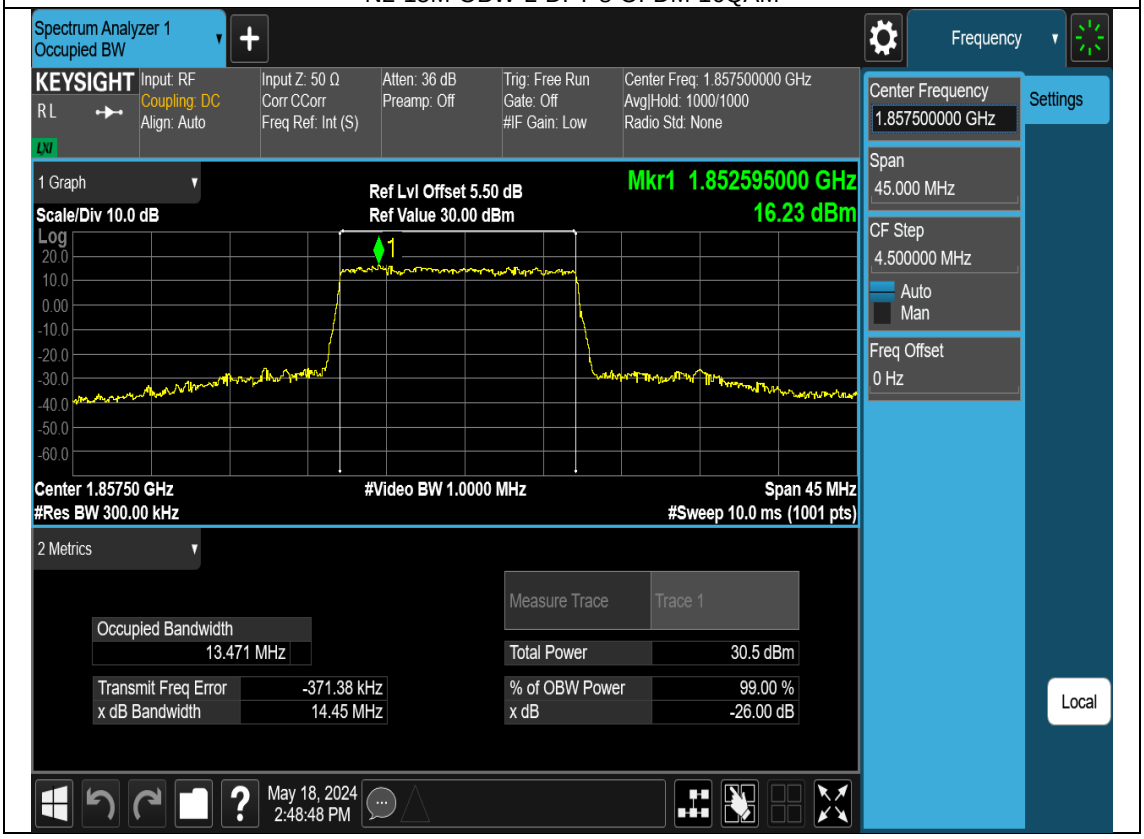

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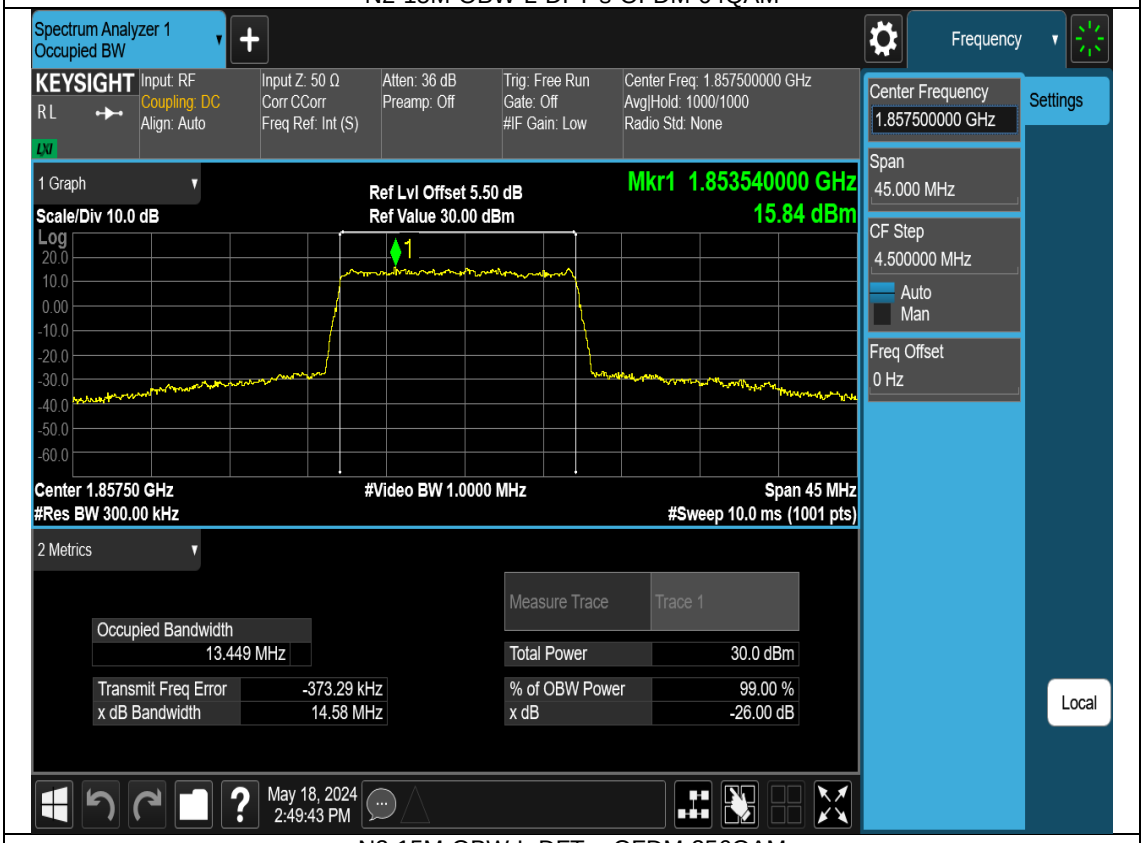

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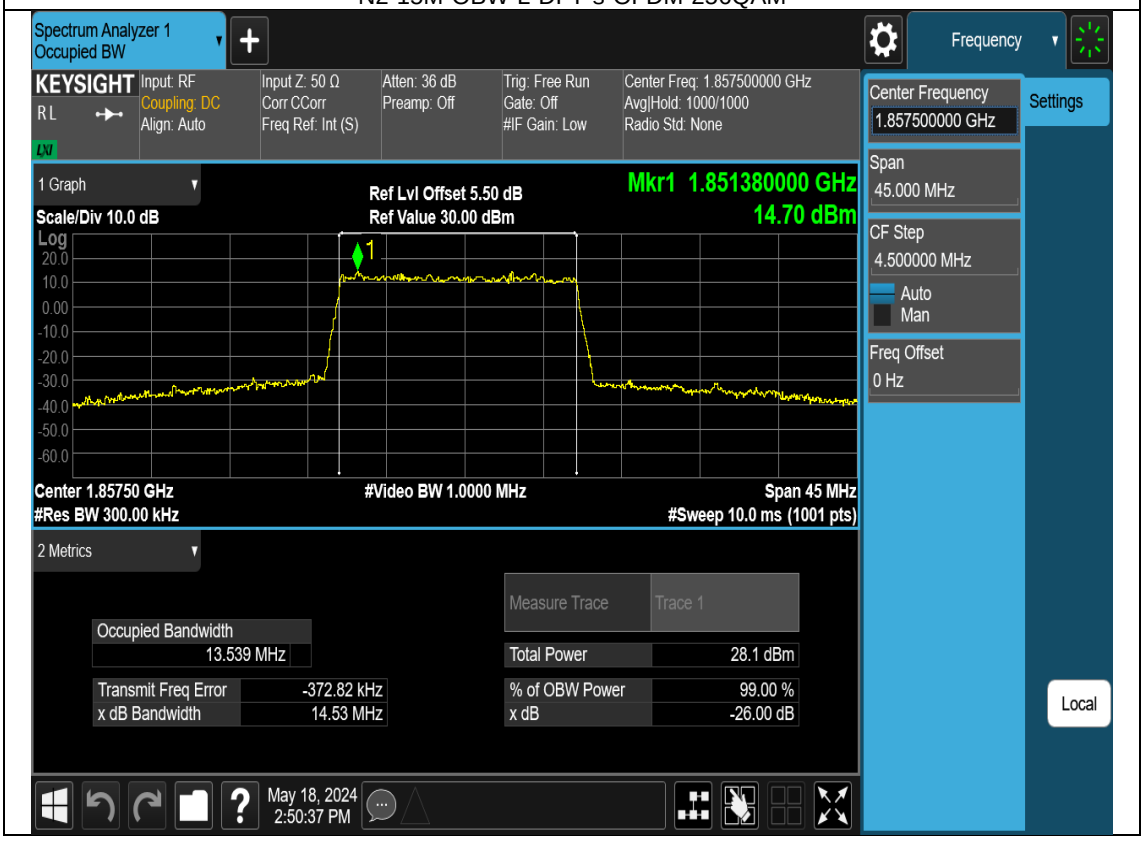
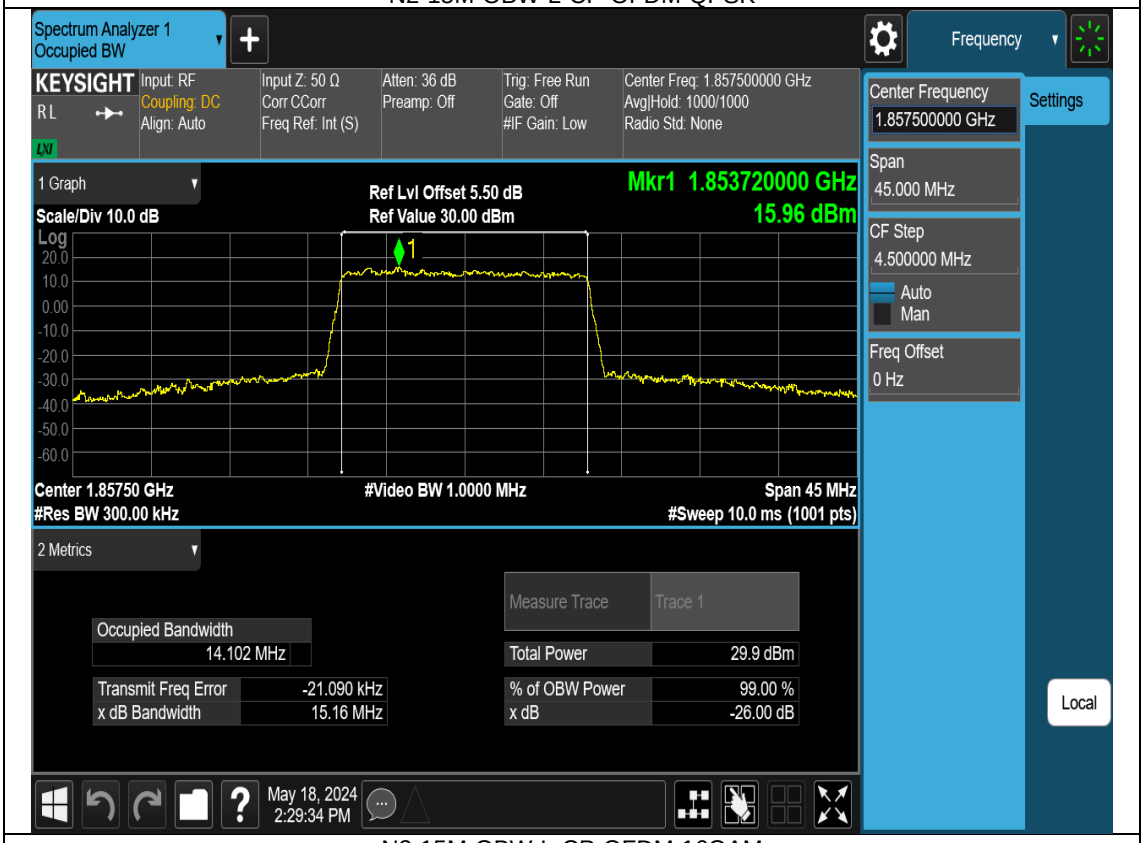


N2-15M-OBW-L-CP-OFDM-QPSK



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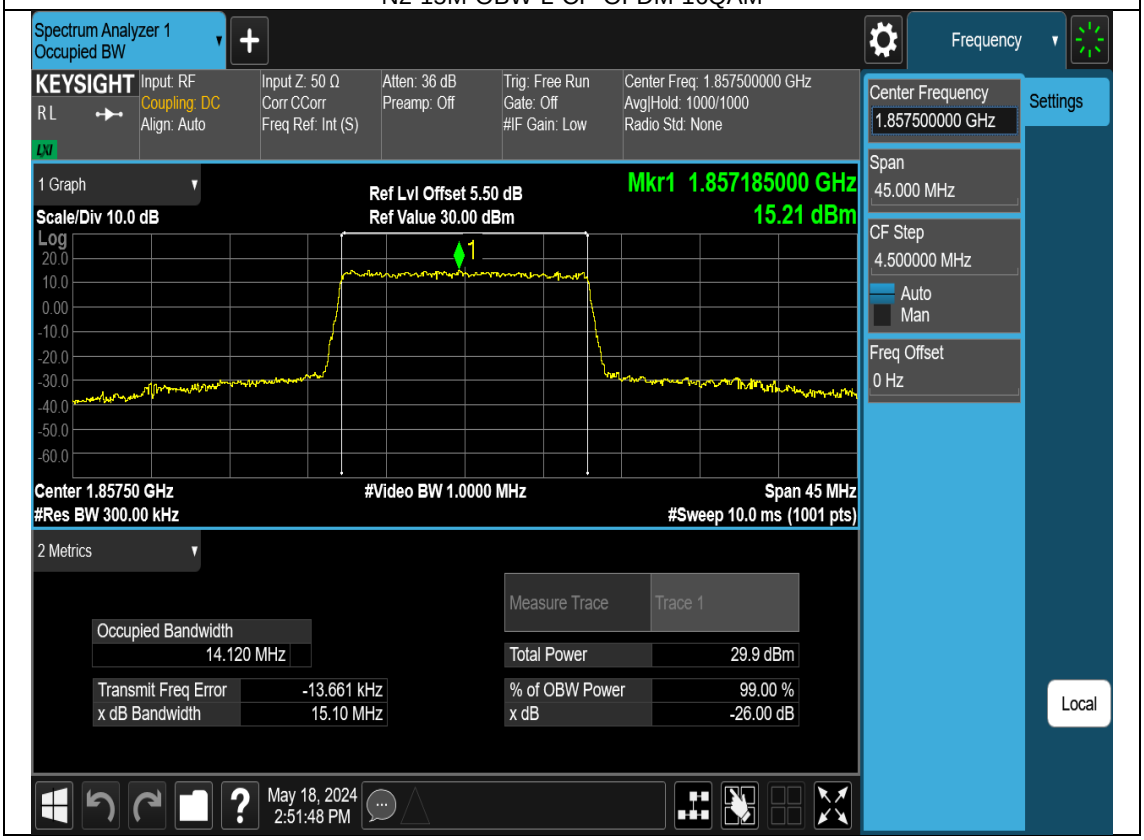

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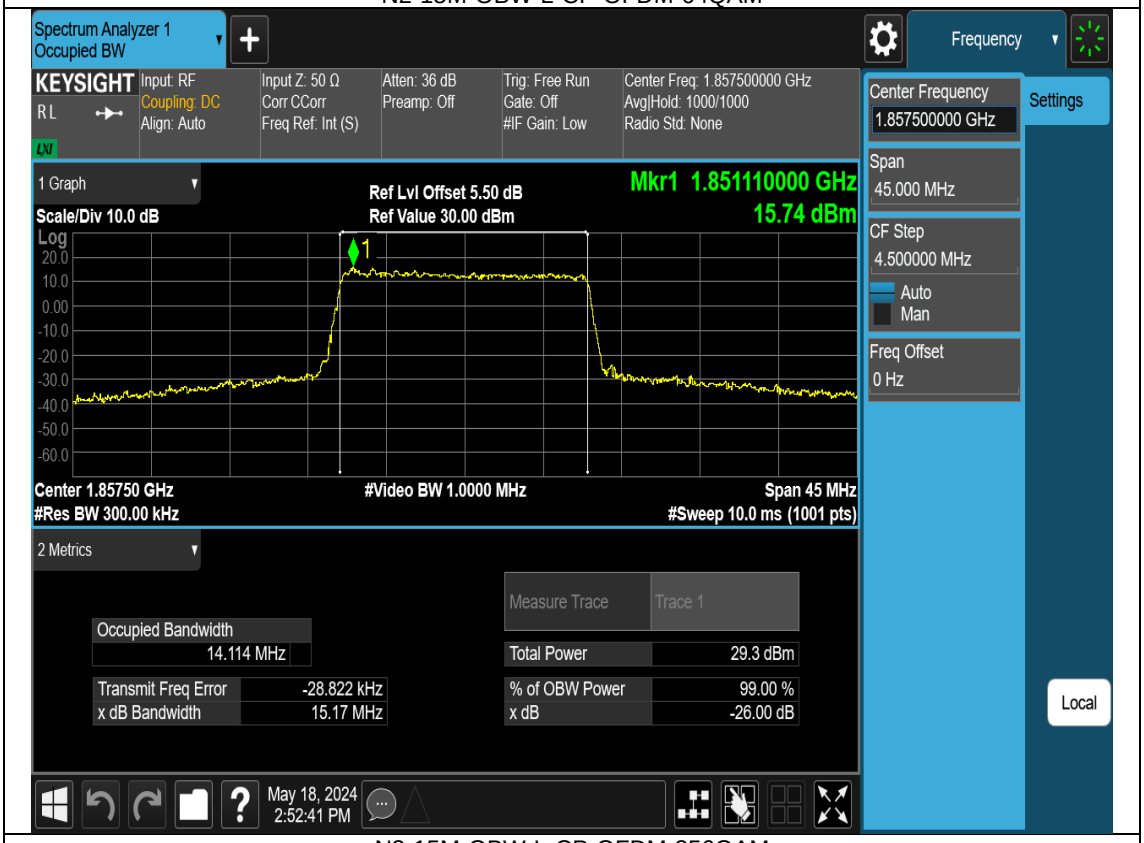

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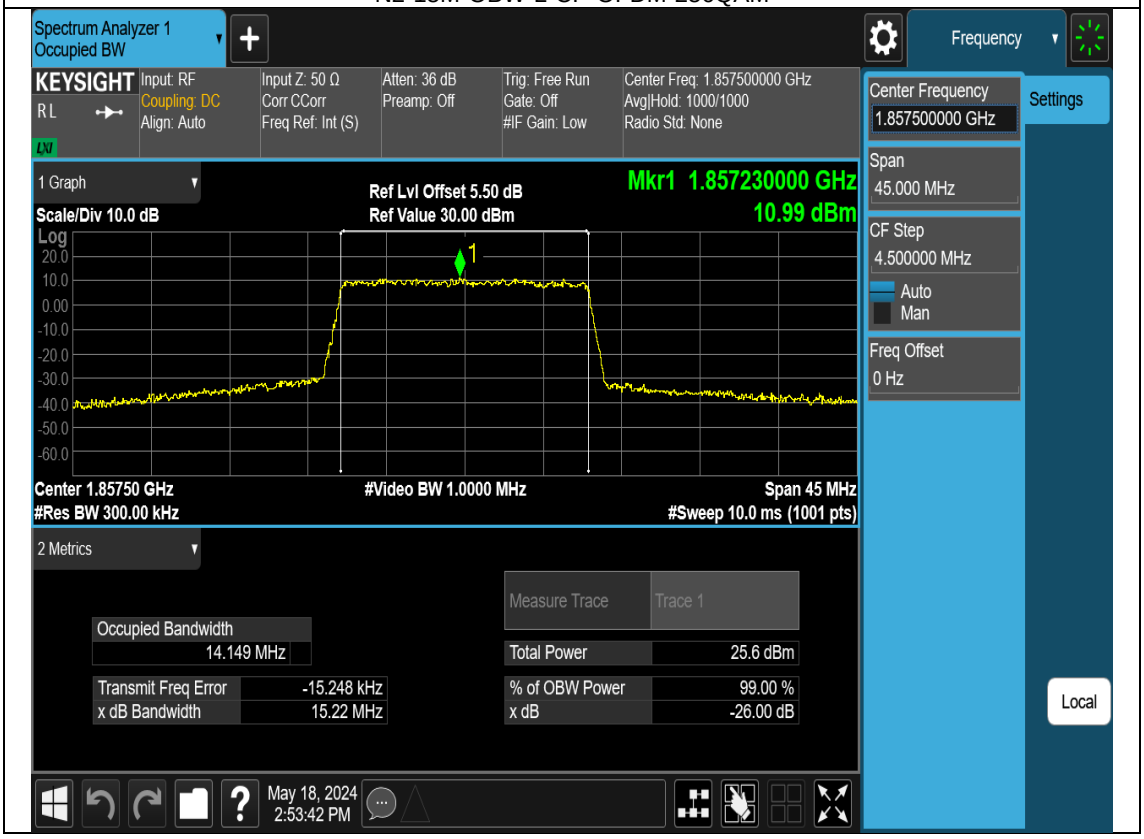
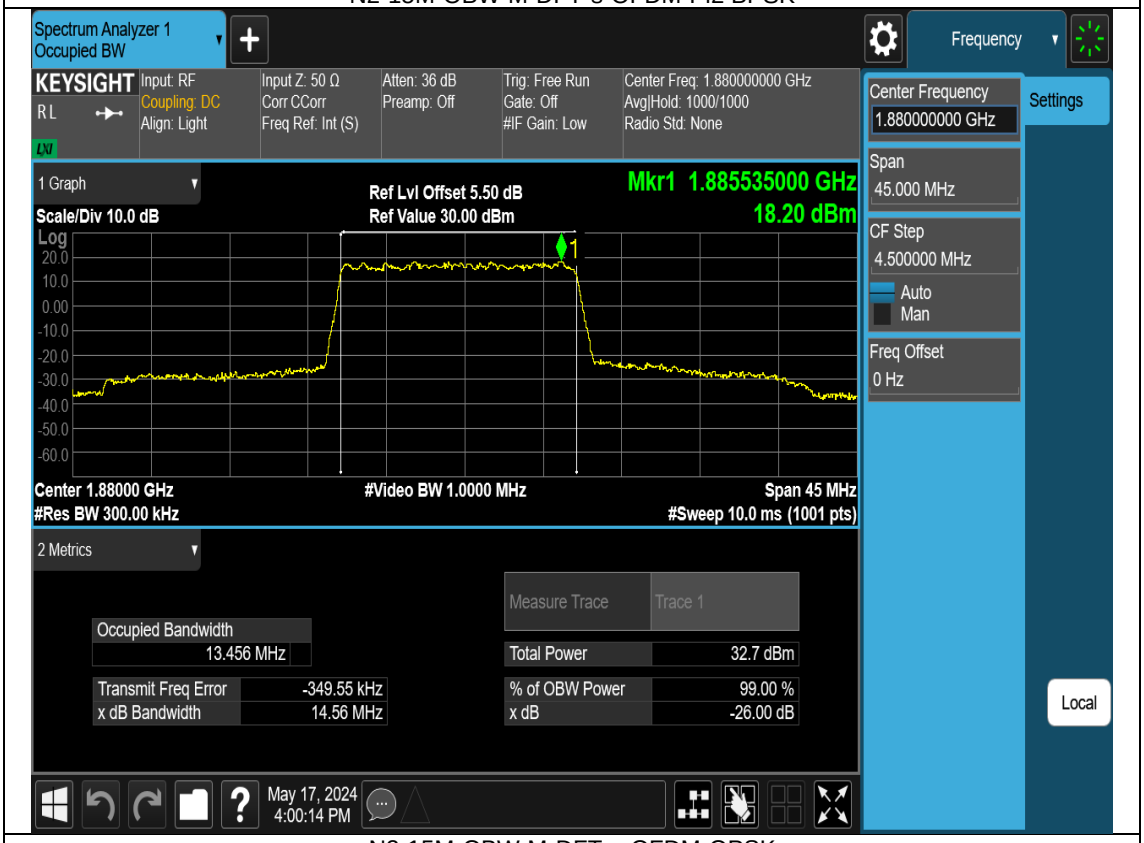
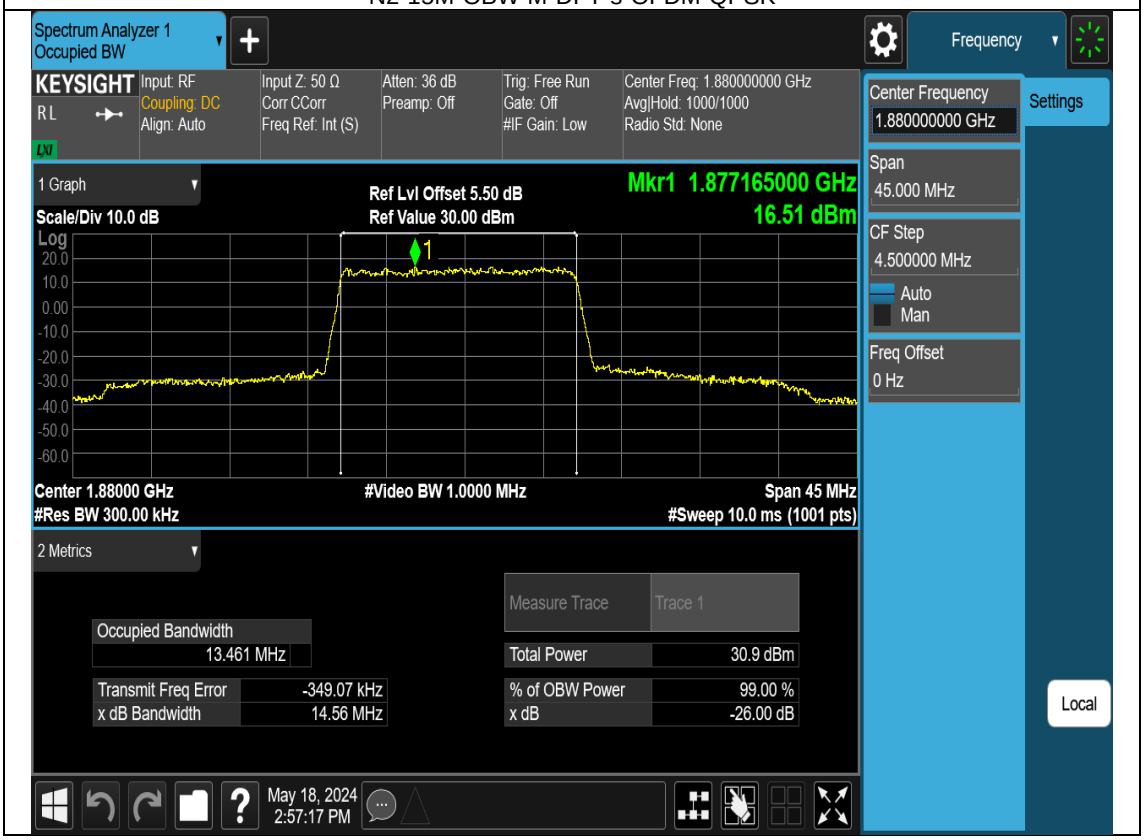


N2-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK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