99% & 26dB Bandwidth

Test Result

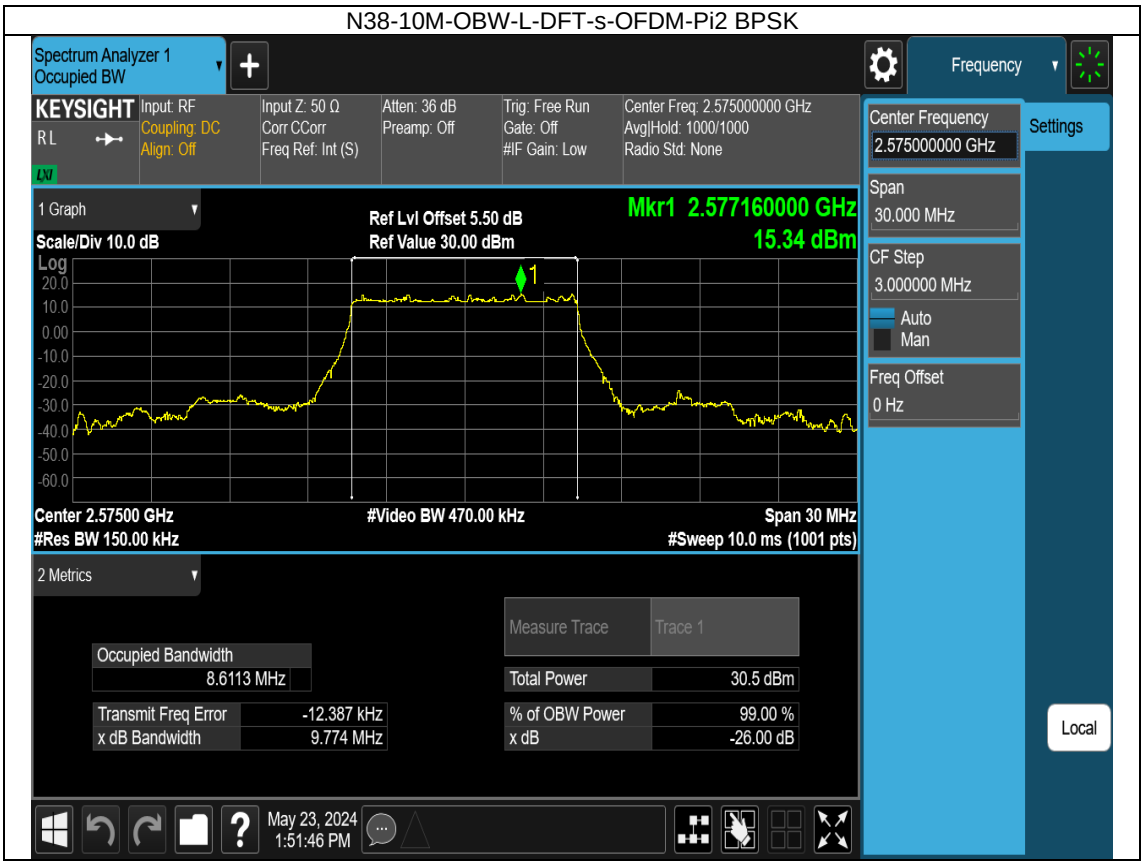
5G NR n38 SCS=30kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.611	9.774	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.662	9.987	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.602	9.782	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.613	9.682	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.600	9.670	/	Pass
CP-OFDM QPSK		Outer_Full	8.715	10.30	/	Pass
CP-OFDM 16QAM		Outer_Full	8.645	9.827	/	Pass
CP-OFDM 64QAM		Outer_Full	8.644	9.855	/	Pass
CP-OFDM 256QAM		Outer_Full	8.628	9.893	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.620	10.01	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.646	9.869	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.594	9.833	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.595	9.836	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.579	9.869	/	Pass
CP-OFDM QPSK		Outer_Full	8.595	9.834	/	Pass
CP-OFDM 16QAM		Outer_Full	8.618	9.979	/	Pass
CP-OFDM 64QAM		Outer_Full	8.607	10.06	/	Pass
CP-OFDM 256QAM		Outer_Full	8.621	9.911	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.638	9.889	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.614	9.981	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.634	9.787	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.622	9.760	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.627	9.827	/	Pass
CP-OFDM QPSK		Outer_Full	8.694	10.25	/	Pass
CP-OFDM 16QAM		Outer_Full	8.653	10.10	/	Pass
CP-OFDM 64QAM		Outer_Full	8.668	10.12	/	Pass
CP-OFDM 256QAM		Outer_Full	8.671	10.12	/	Pass

5G NR n38 SCS=30kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	12.980	14.53	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.003	14.62	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.002	14.50	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.013	14.49	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.013	14.56	/	Pass
CP-OFDM QPSK		Outer_Full	13.637	15.34	/	Pass
CP-OFDM 16QAM		Outer_Full	13.697	15.47	/	Pass
CP-OFDM 64QAM		Outer_Full	13.704	15.03	/	Pass
CP-OFDM 256QAM		Outer_Full	13.694	15.14	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	12.974	14.3	/	Pass
DFT-s-OFDM QPSK		Outer_Full	12.996	14.61	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	12.990	14.50	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	12.972	14.53	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.041	14.58	/	Pass
CP-OFDM QPSK		Outer_Full	13.621	15.09	/	Pass
CP-OFDM 16QAM		Outer_Full	12.916	14.59	/	Pass
CP-OFDM 64QAM		Outer_Full	12.957	14.44	/	Pass
CP-OFDM 256QAM		Outer_Full	12.979	14.60	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	12.959	14.53	/	Pass
DFT-s-OFDM QPSK		Outer_Full	12.985	14.77	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	12.979	14.16	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	12.958	14.49	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.015	14.58	/	Pass
CP-OFDM QPSK		Outer_Full	13.634	15.44	/	Pass
CP-OFDM 16QAM		Outer_Full	12.949	14.41	/	Pass
CP-OFDM 64QAM		Outer_Full	12.987	14.46	/	Pass
CP-OFDM 256QAM		Outer_Full	12.951	14.43	/	Pass

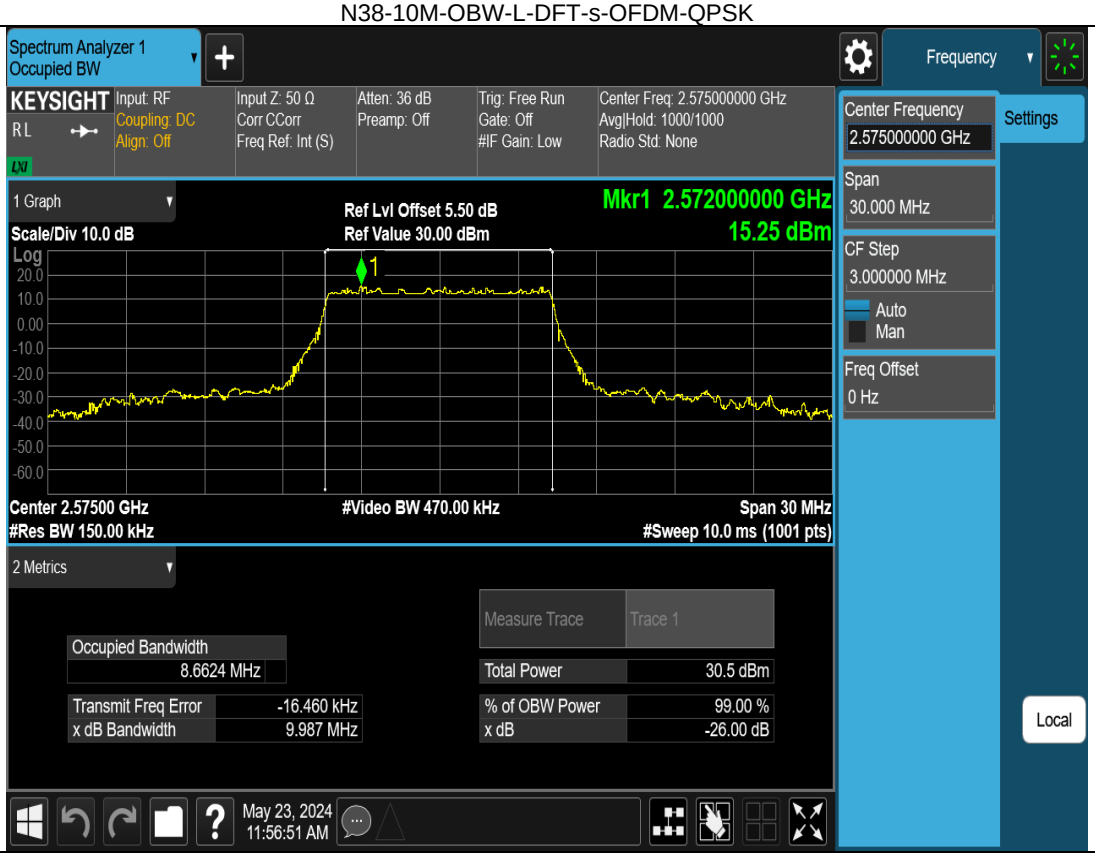
5G NR n38 SCS=30kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	17.936	19.71	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.926	19.58	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.948	19.54	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.941	19.66	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	18.002	19.55	/	Pass
CP-OFDM QPSK		Outer_Full	18.273	19.86	/	Pass
CP-OFDM 16QAM		Outer_Full	18.352	20.08	/	Pass
CP-OFDM 64QAM		Outer_Full	18.307	20.01	/	Pass
CP-OFDM 256QAM		Outer_Full	18.281	20.11	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	17.936	19.63	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.911	19.43	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.925	19.67	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.929	19.31	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	18.002	19.67	/	Pass
CP-OFDM QPSK		Outer_Full	18.302	19.79	/	Pass
CP-OFDM 16QAM		Outer_Full	17.895	19.85	/	Pass
CP-OFDM 64QAM		Outer_Full	17.916	19.45	/	Pass
CP-OFDM 256QAM		Outer_Full	17.941	19.66	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	17.927	19.58	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.936	19.45	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.954	19.60	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.924	19.27	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.984	19.54	/	Pass
CP-OFDM QPSK		Outer_Full	18.275	19.61	/	Pass
CP-OFDM 16QAM		Outer_Full	17.913	19.87	/	Pass
CP-OFDM 64QAM		Outer_Full	17.904	19.27	/	Pass
CP-OFDM 256QAM		Outer_Full	17.914	19.48	/	Pass

Test graph

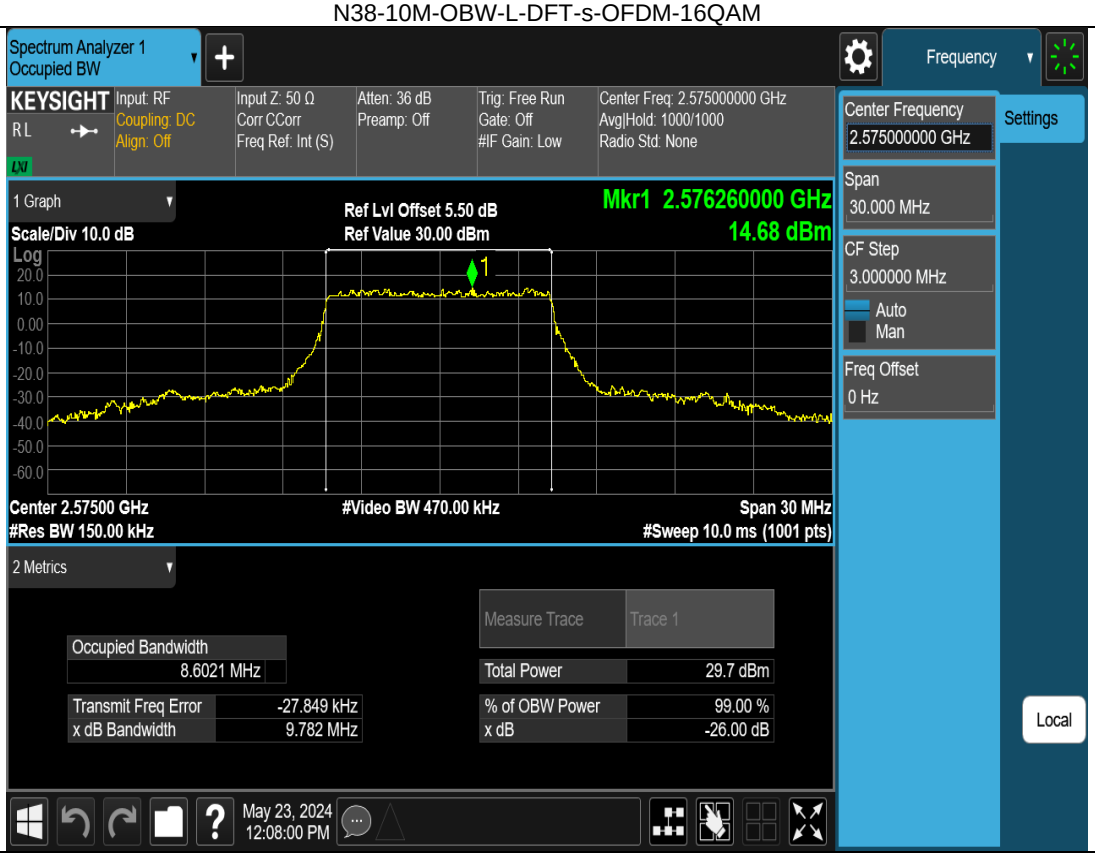
N38-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



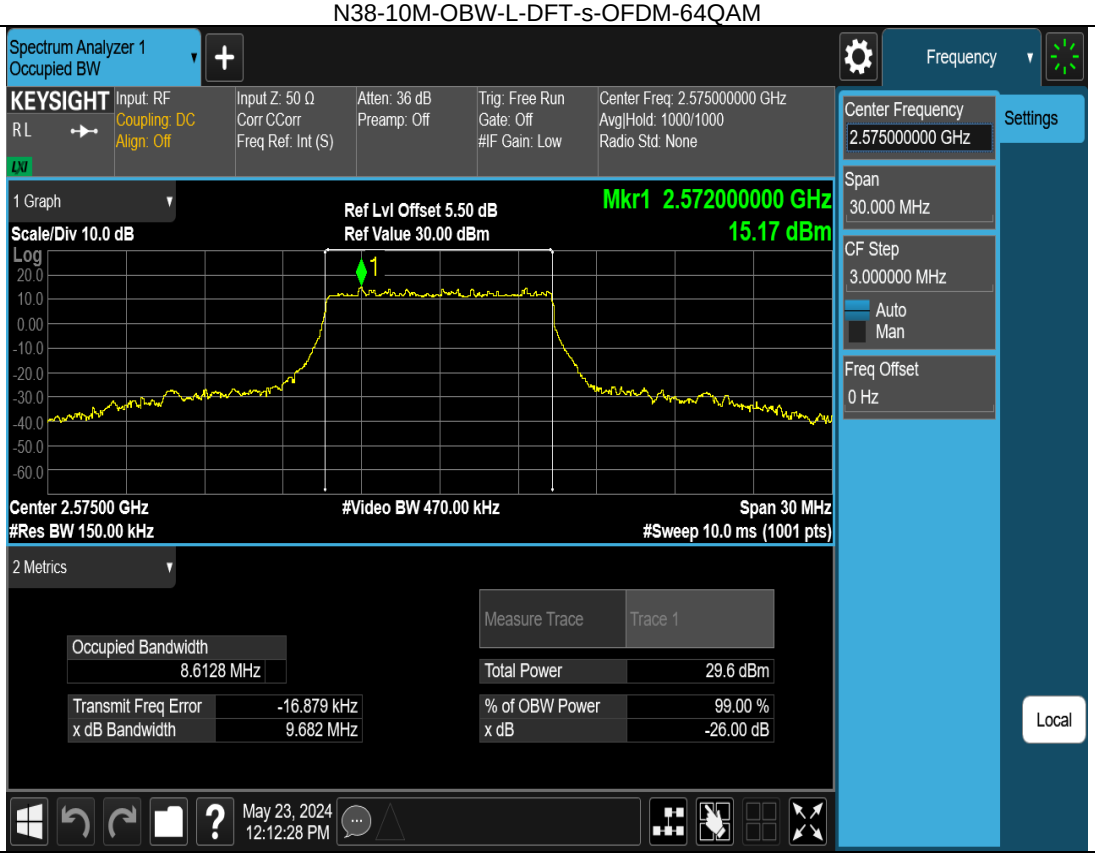
N38-10M-OBW-L-DFT-s-OFDM-QPSK



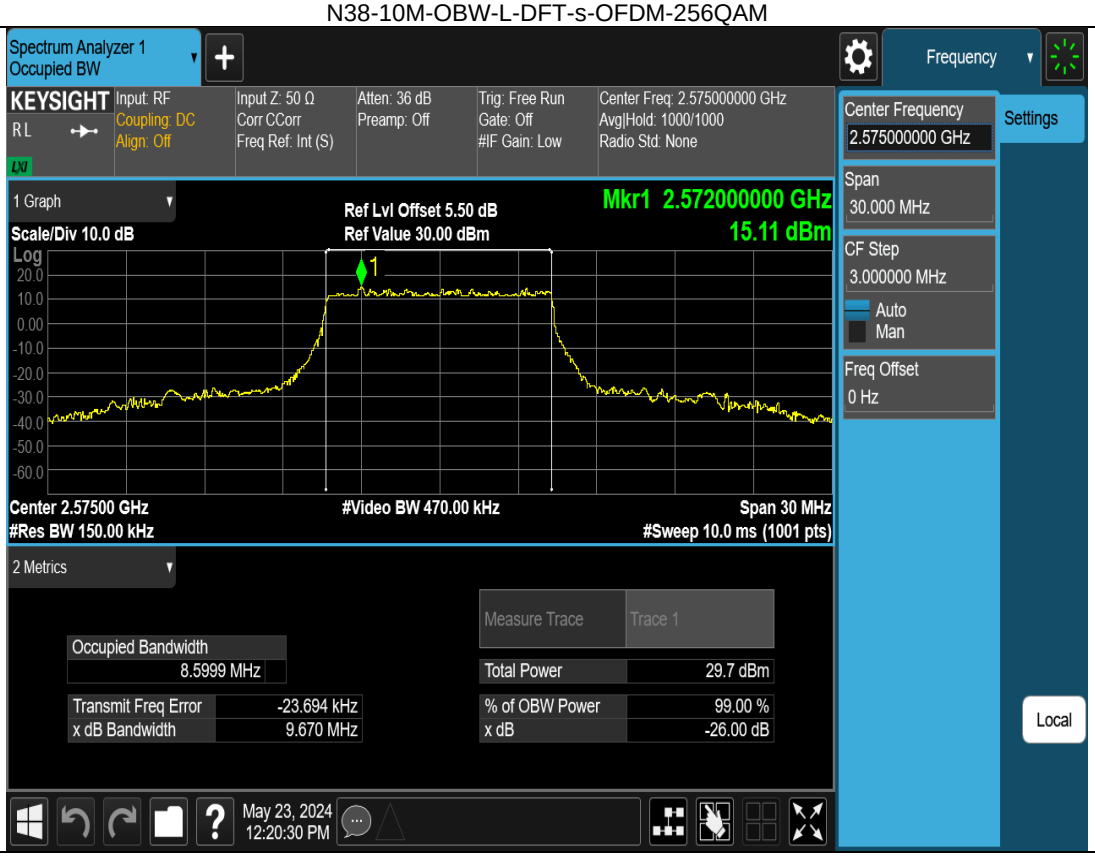
N38-10M-OBW-L-DFT-s-OFDM-16QAM



N38-10M-OBW-L-DFT-s-OFDM-64QAM



N38-10M-OBW-L-DFT-s-OFDM-256QAM



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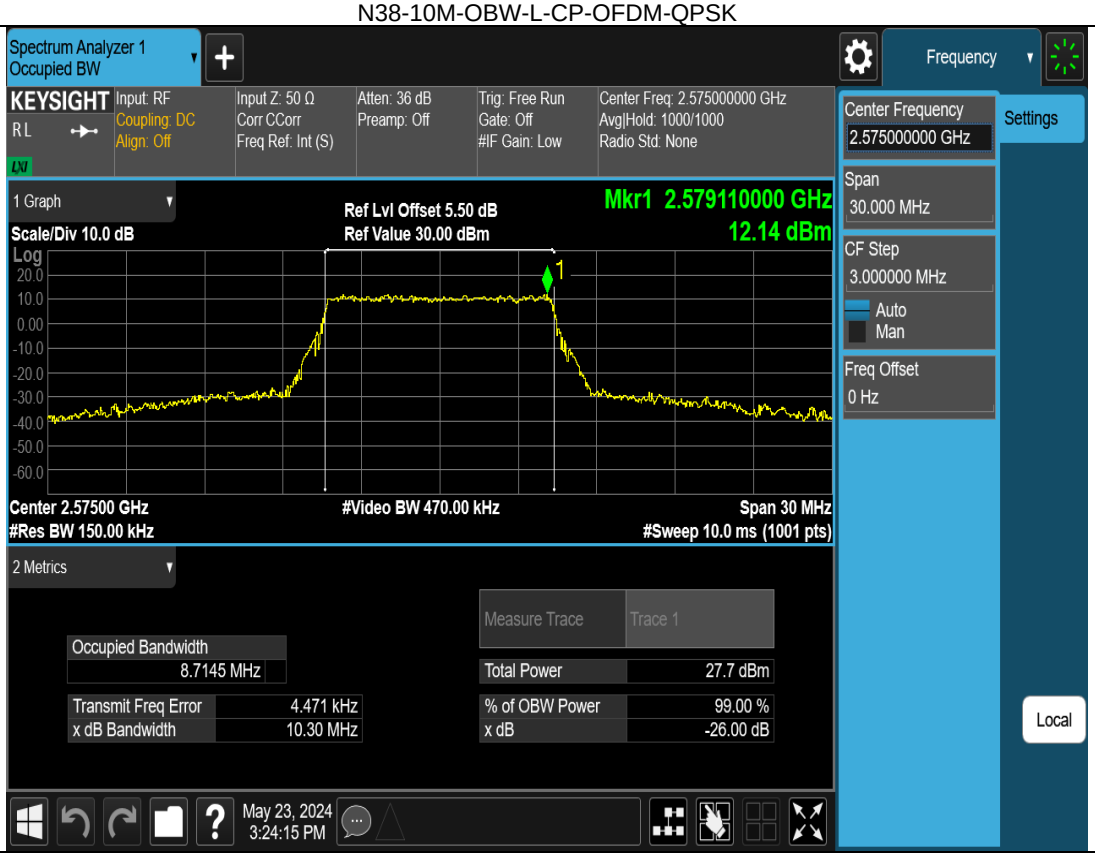

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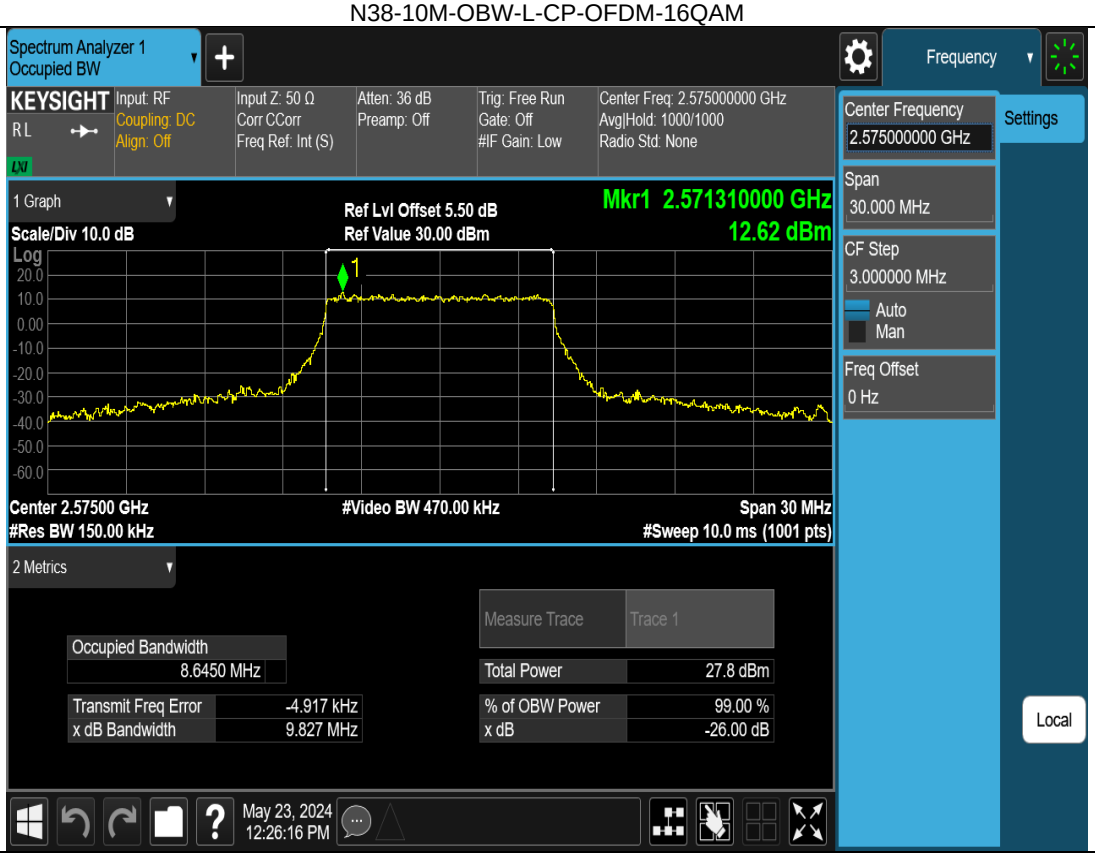

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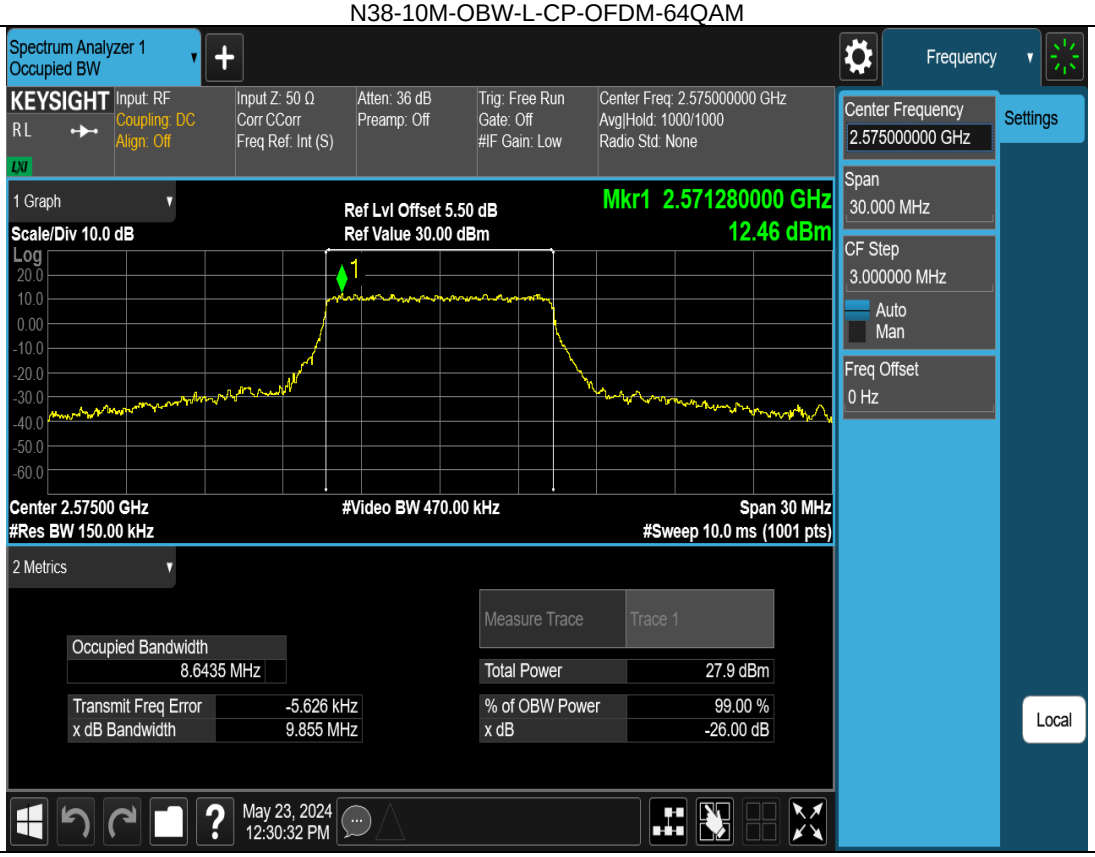

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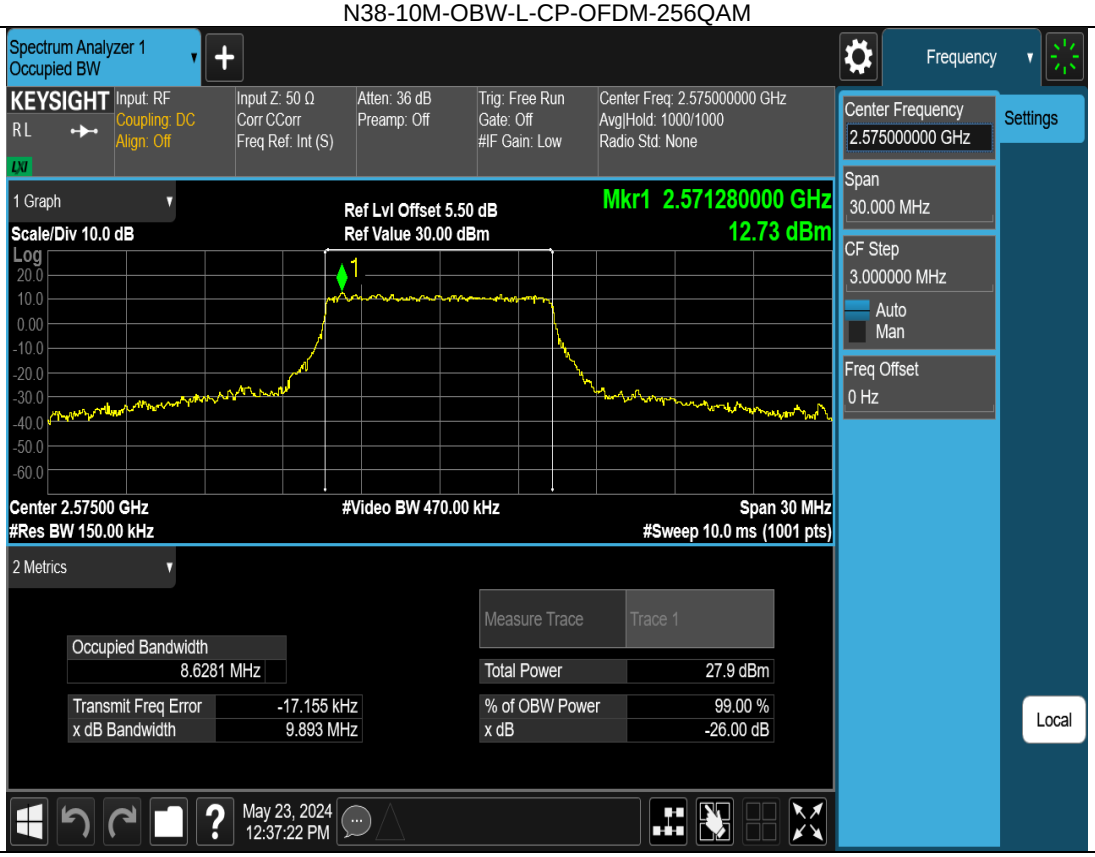

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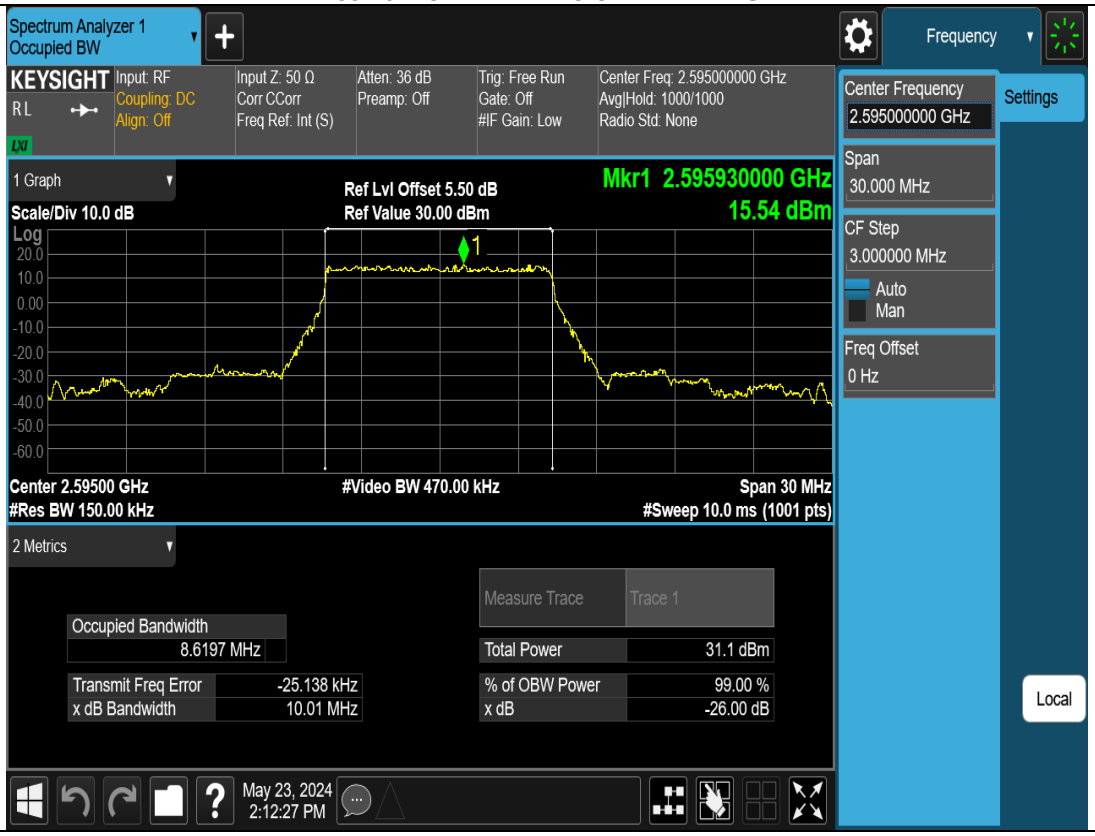

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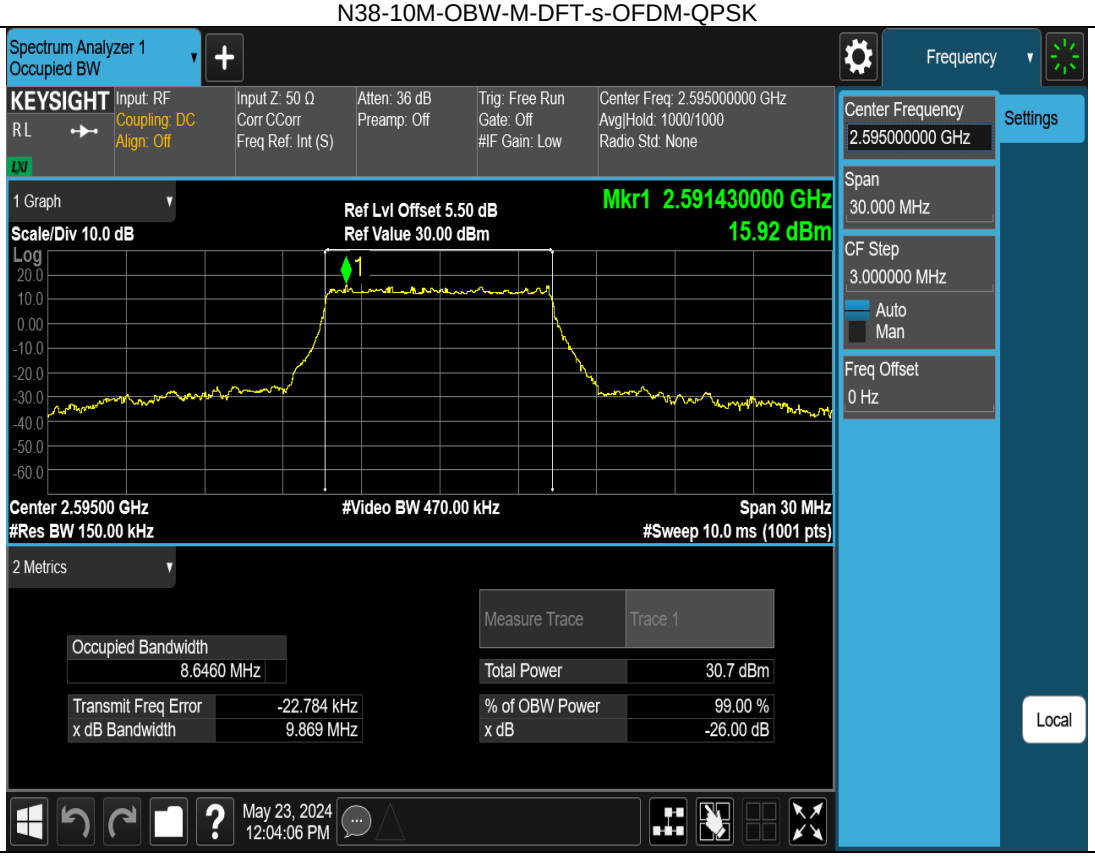

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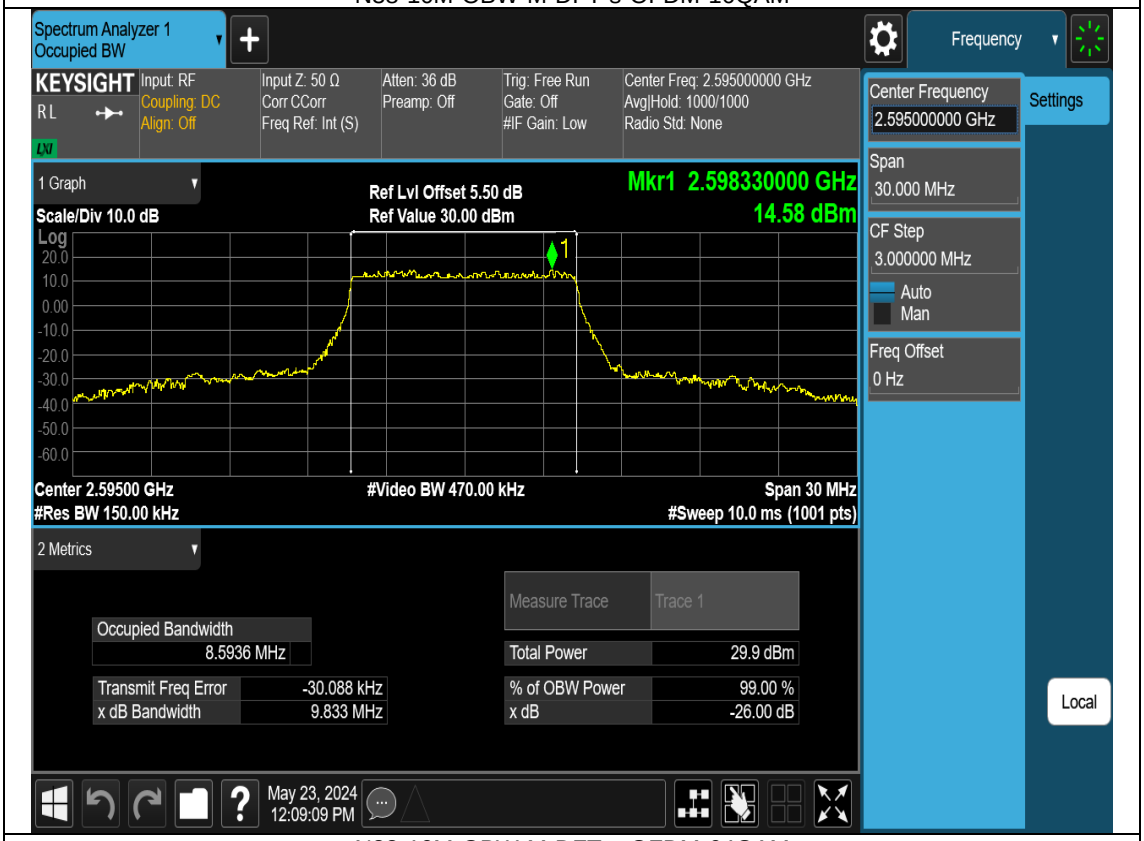

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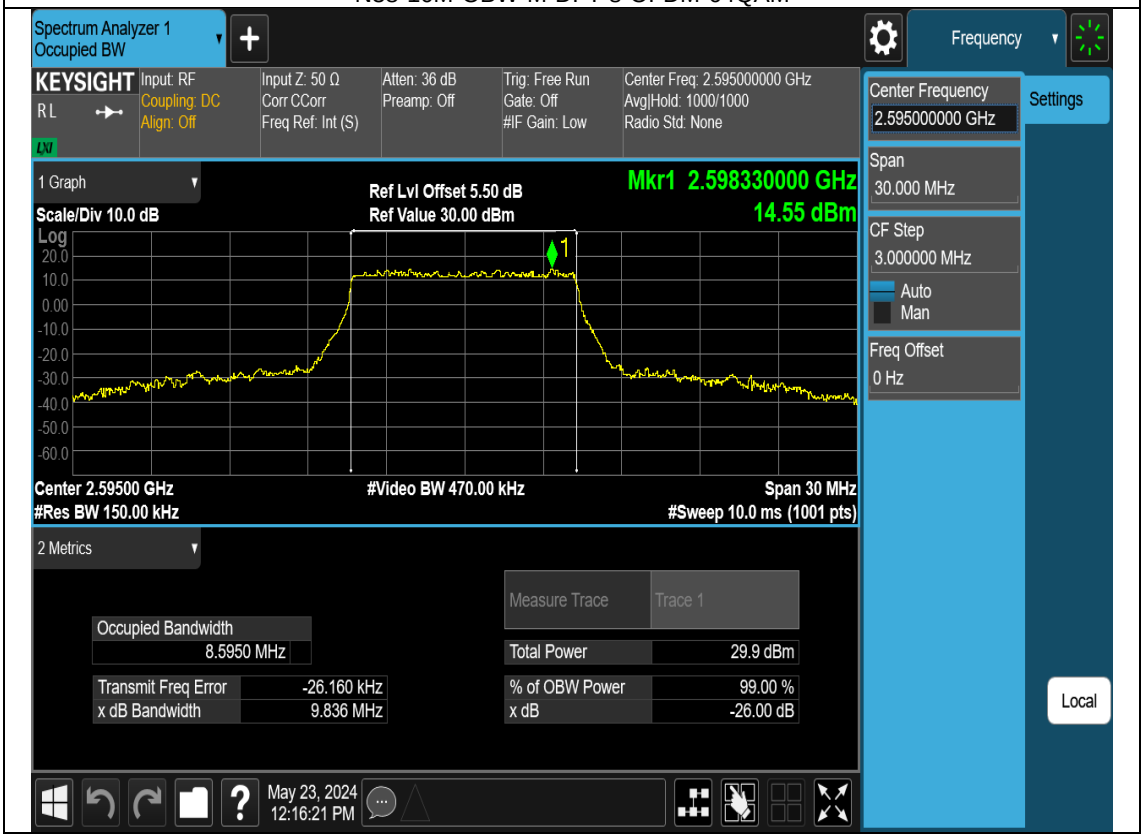
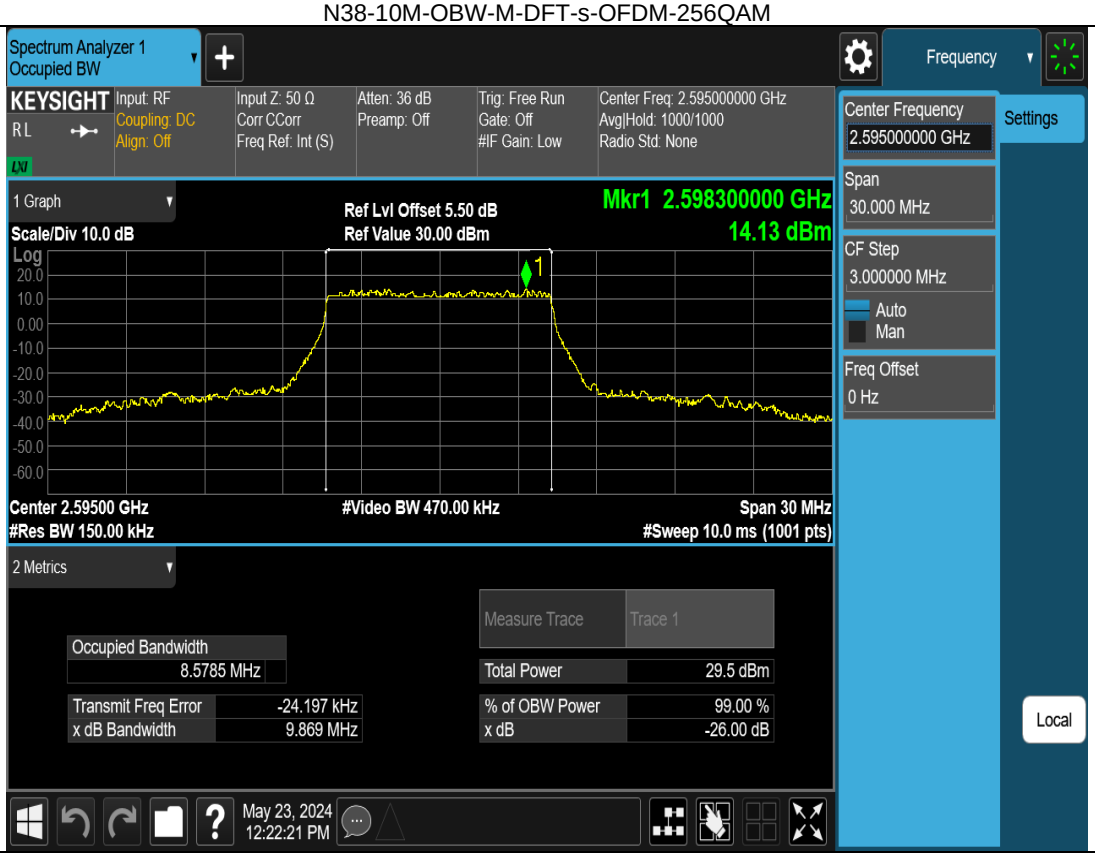
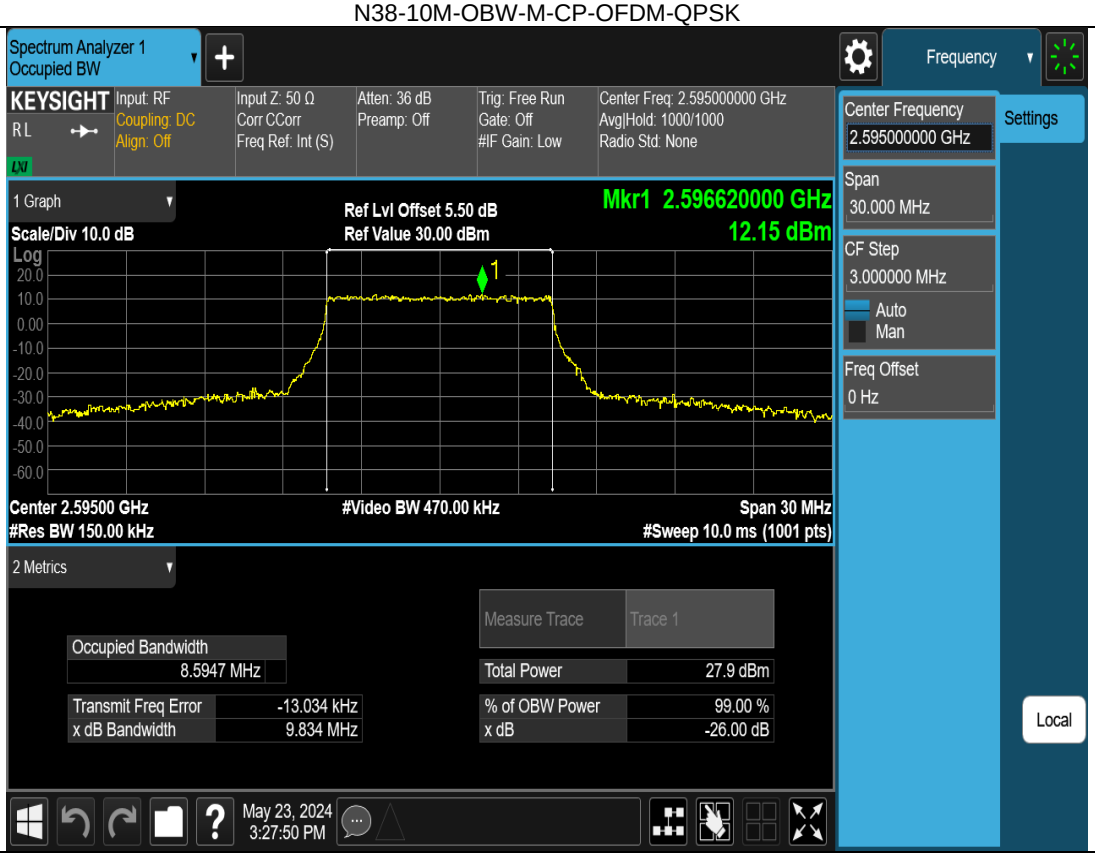


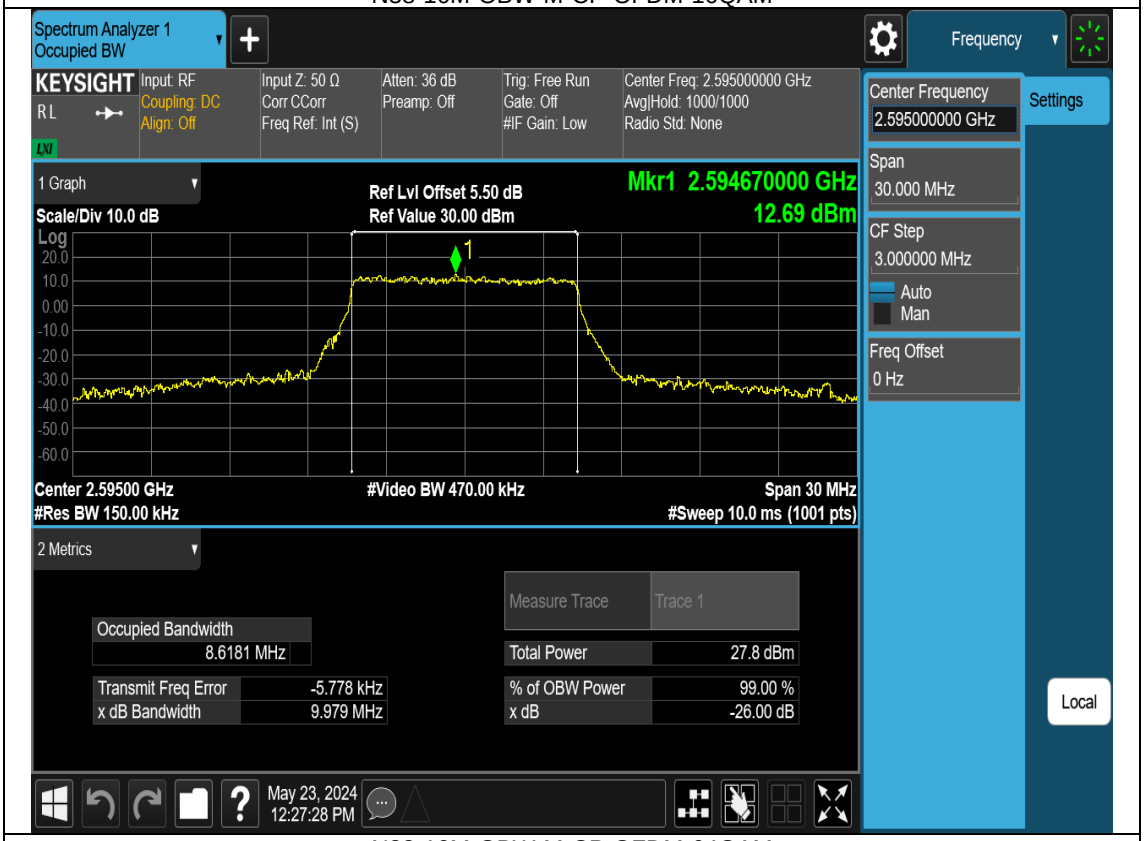
N38-10M-OBW-M-DFT-s-OFDM-256QAM



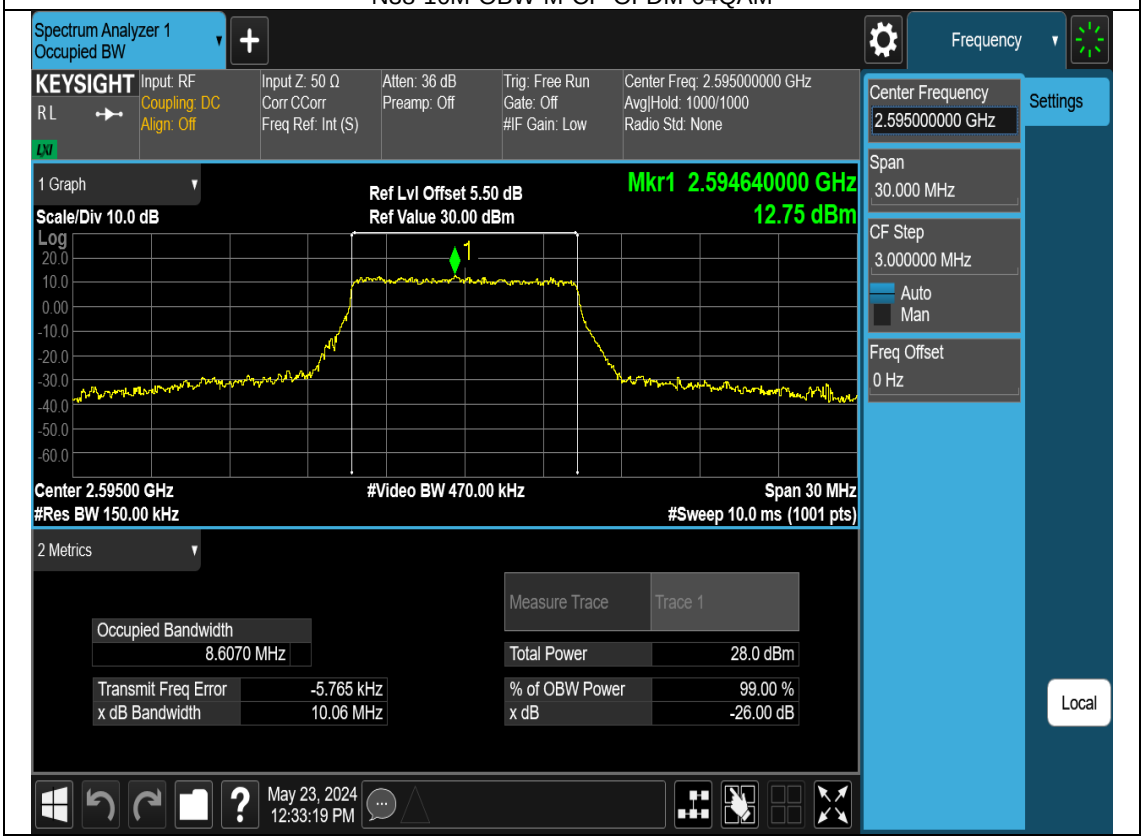
N38-10M-OBW-M-CP-OFDM-QPSK



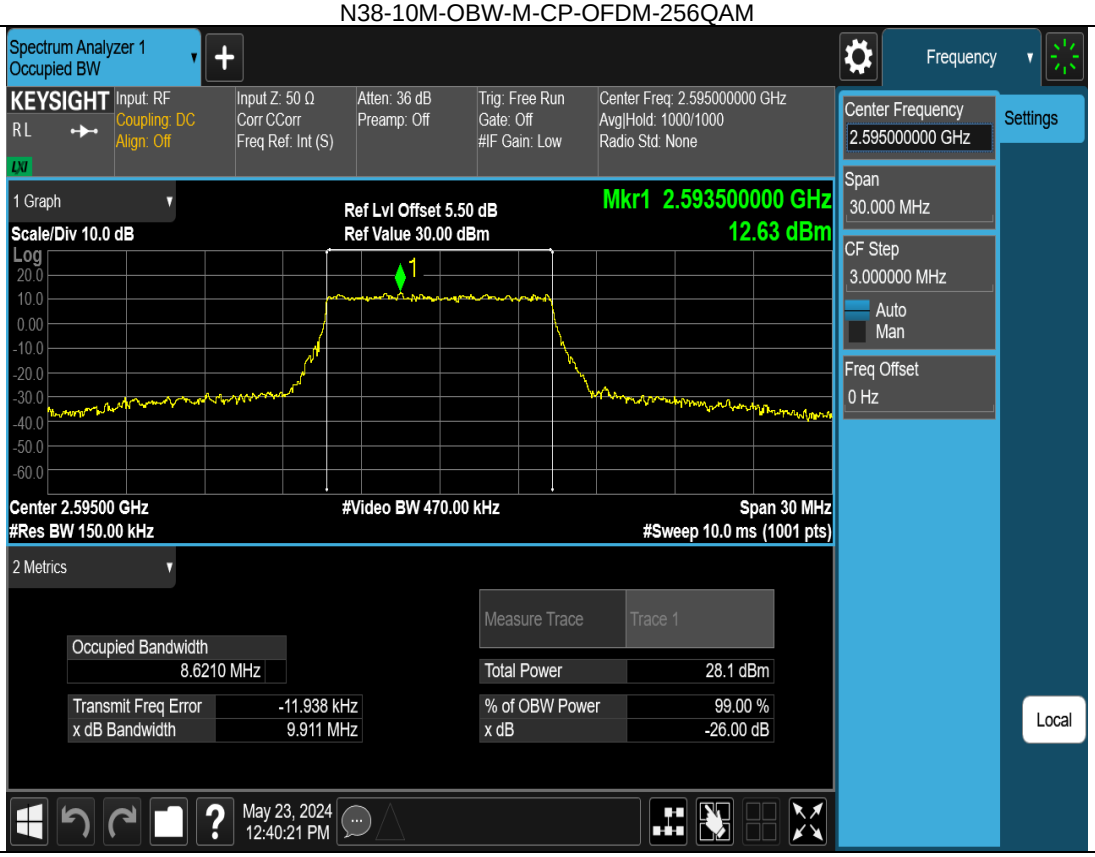
N38-10M-OBW-M-CP-OFDM-16QAM



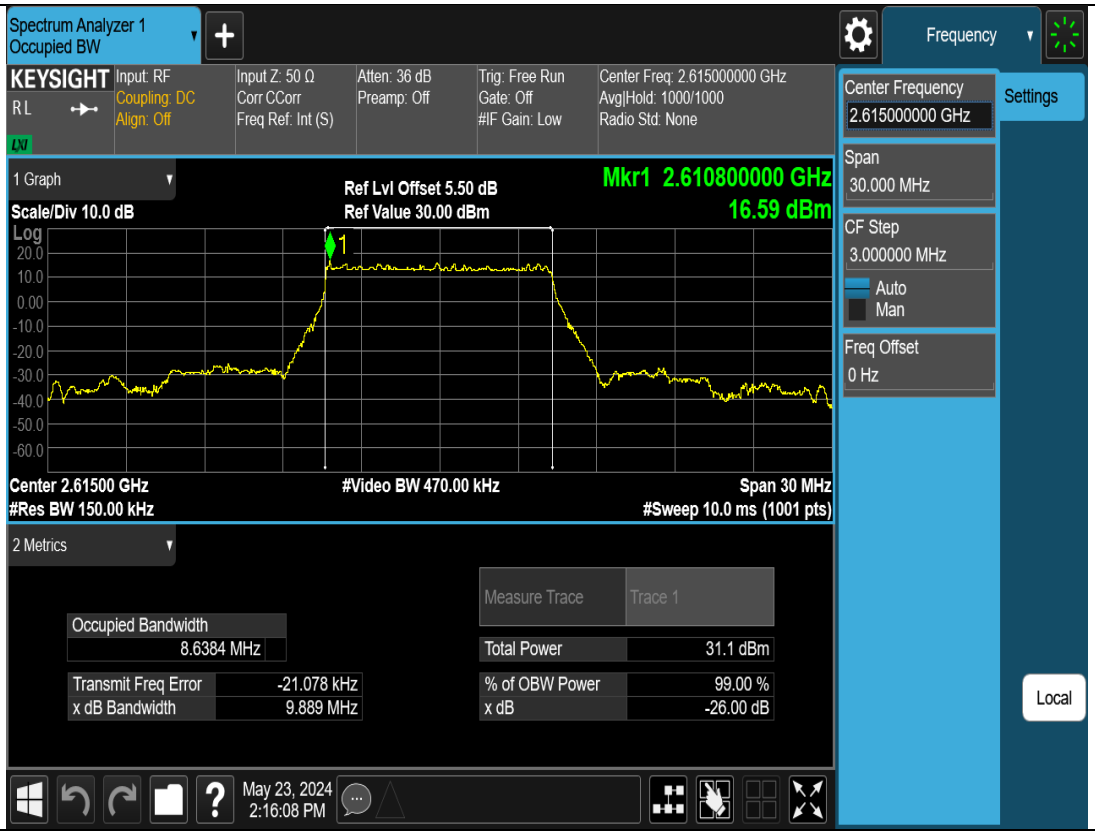
N38-10M-OBW-M-CP-OFDM-64QAM



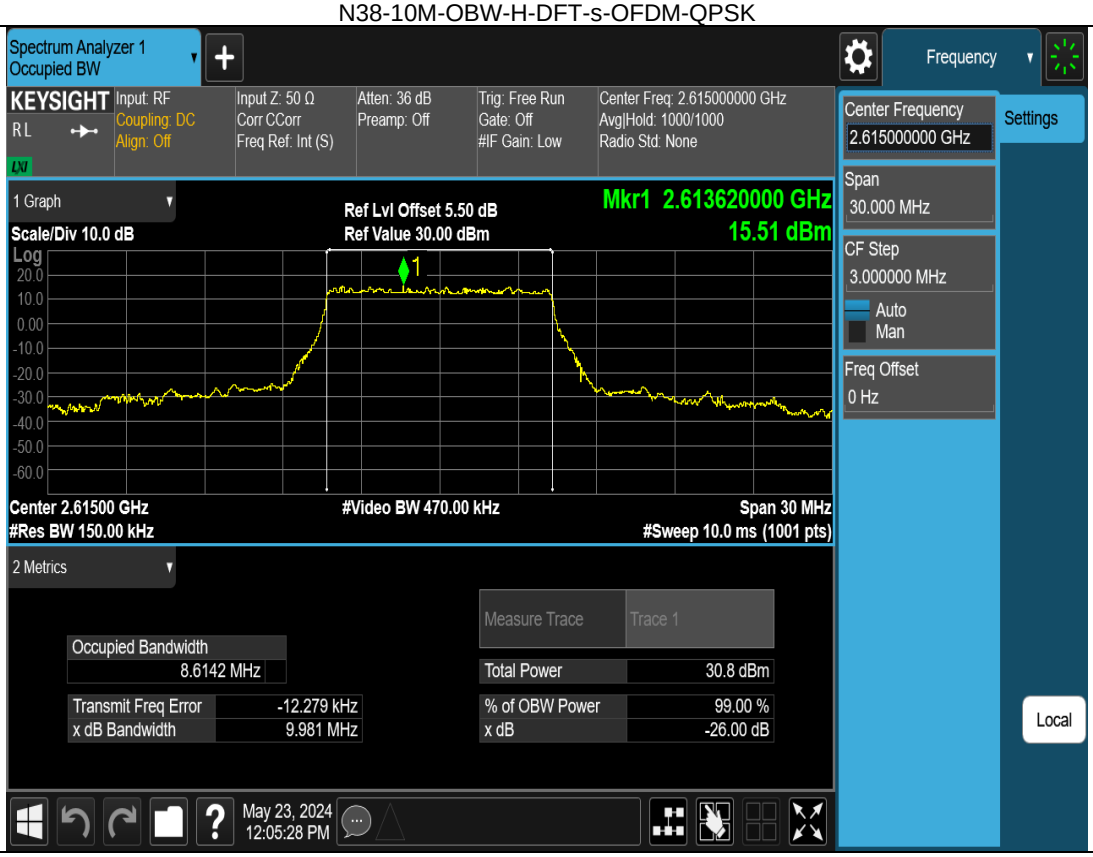
N38-10M-OBW-M-CP-OFDM-256QAM



N38-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N38-10M-OBW-H-DFT-s-OFDM-QPSK



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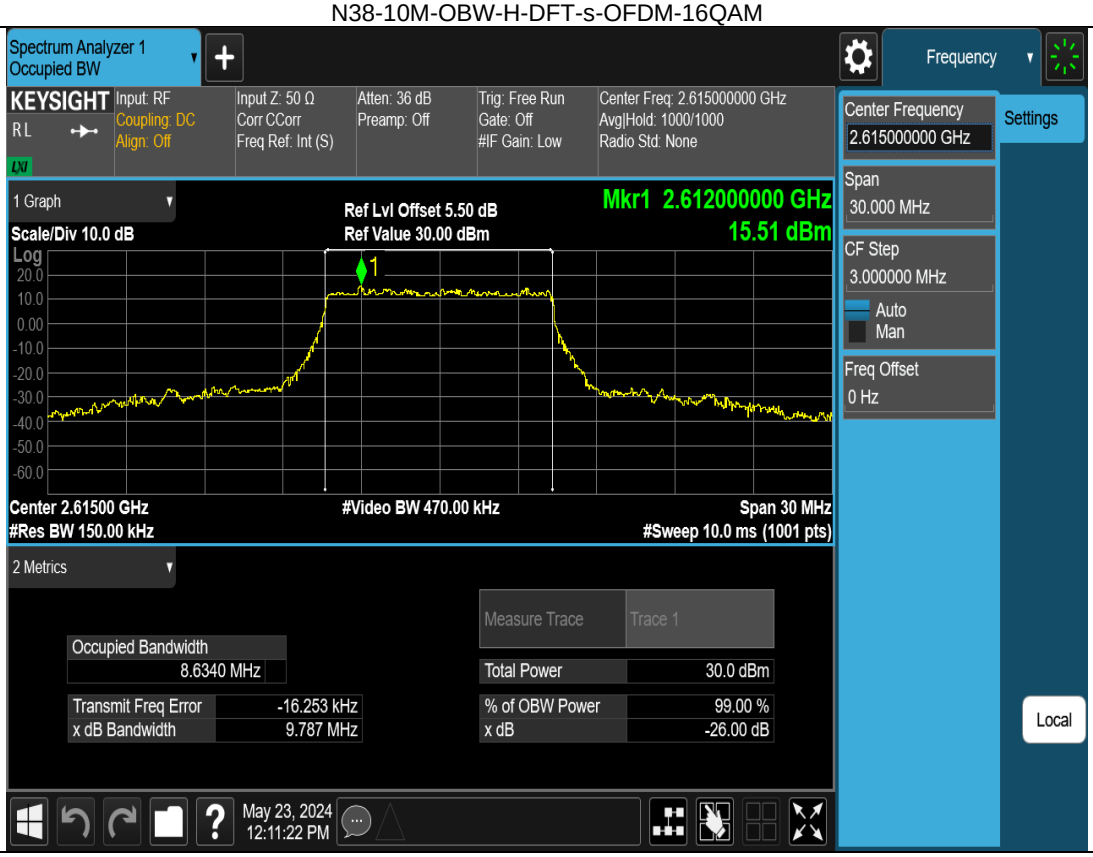

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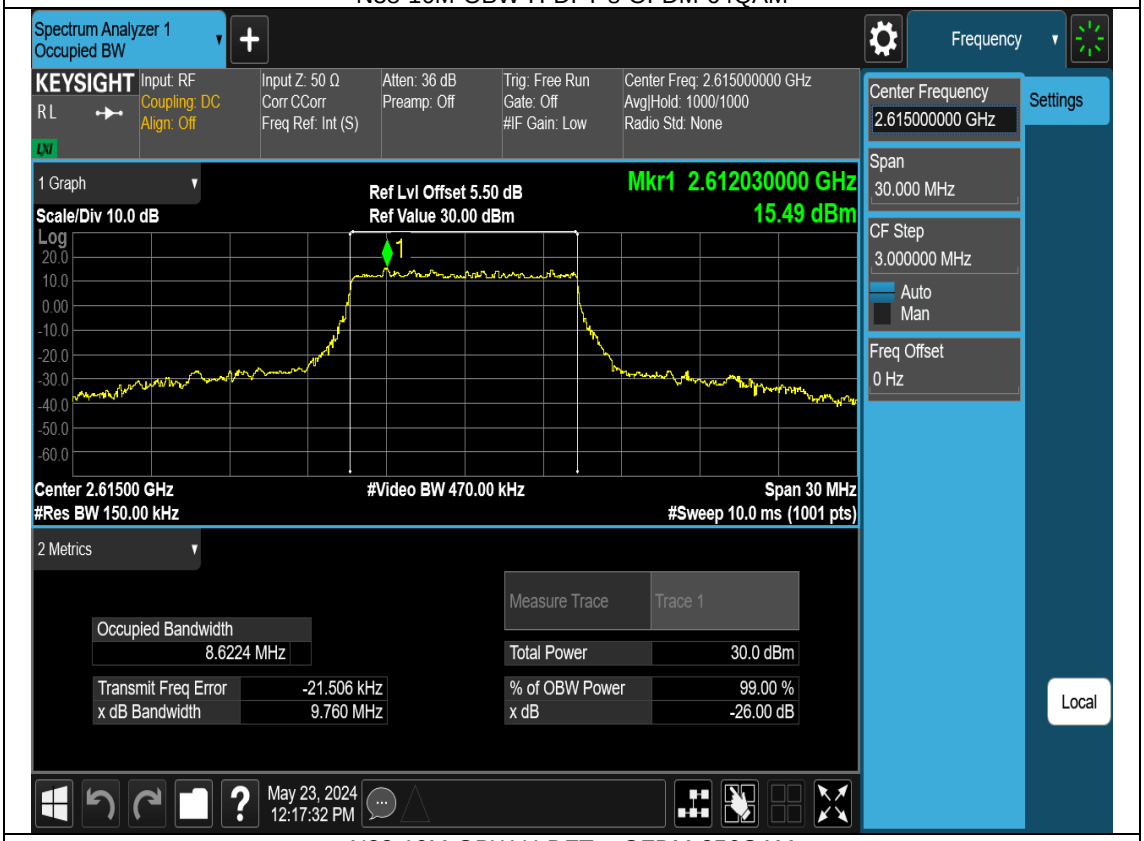

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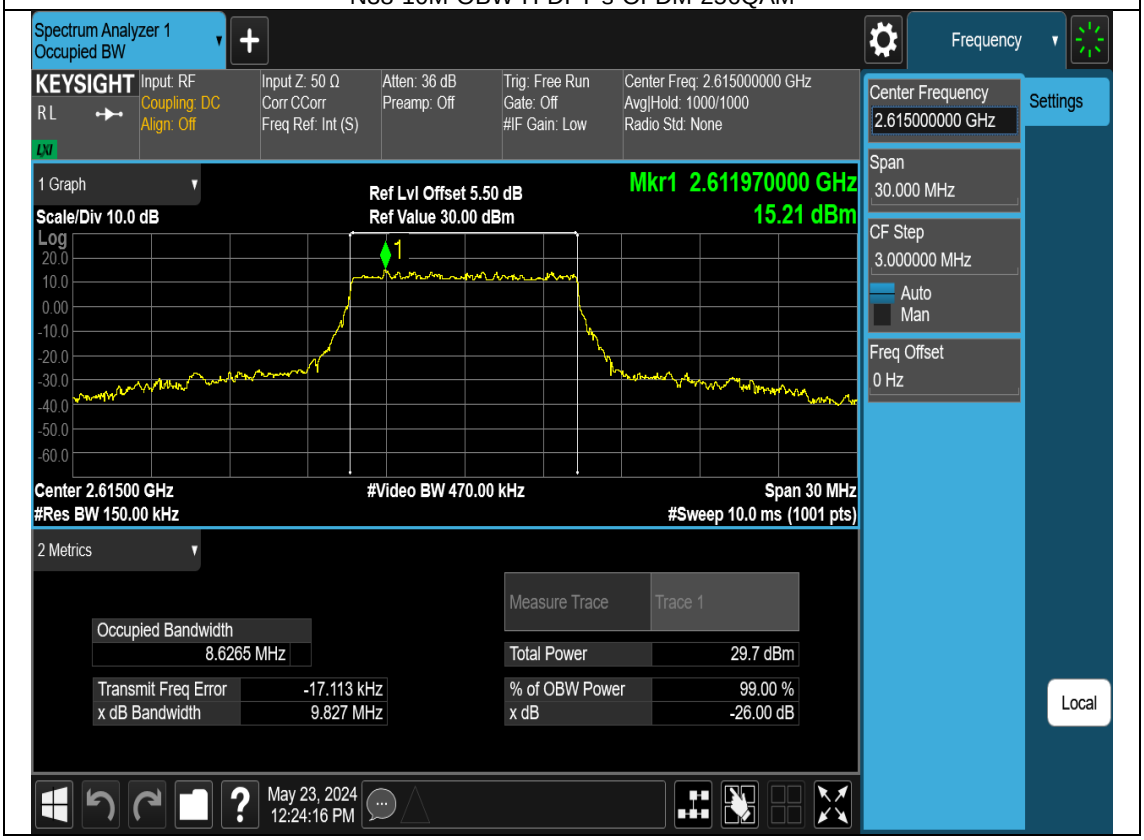
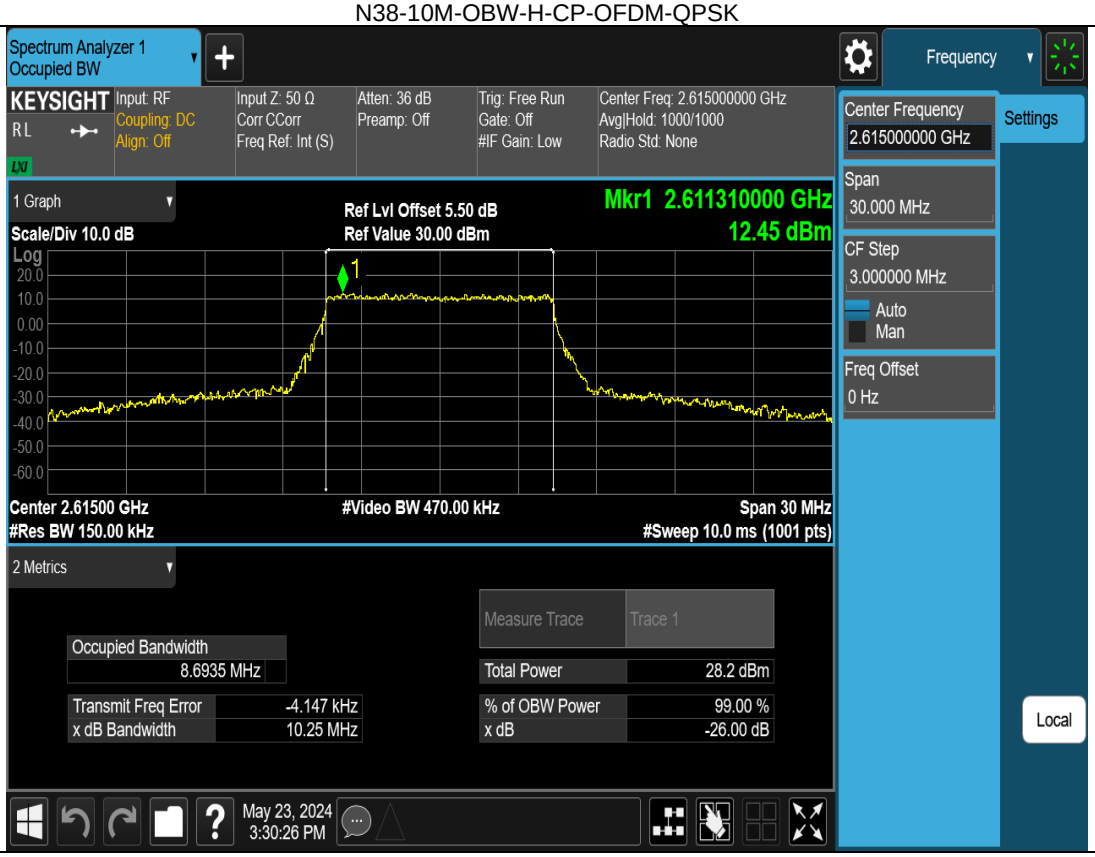


N38-10M-OBW-H-CP-OFDM-QPSK



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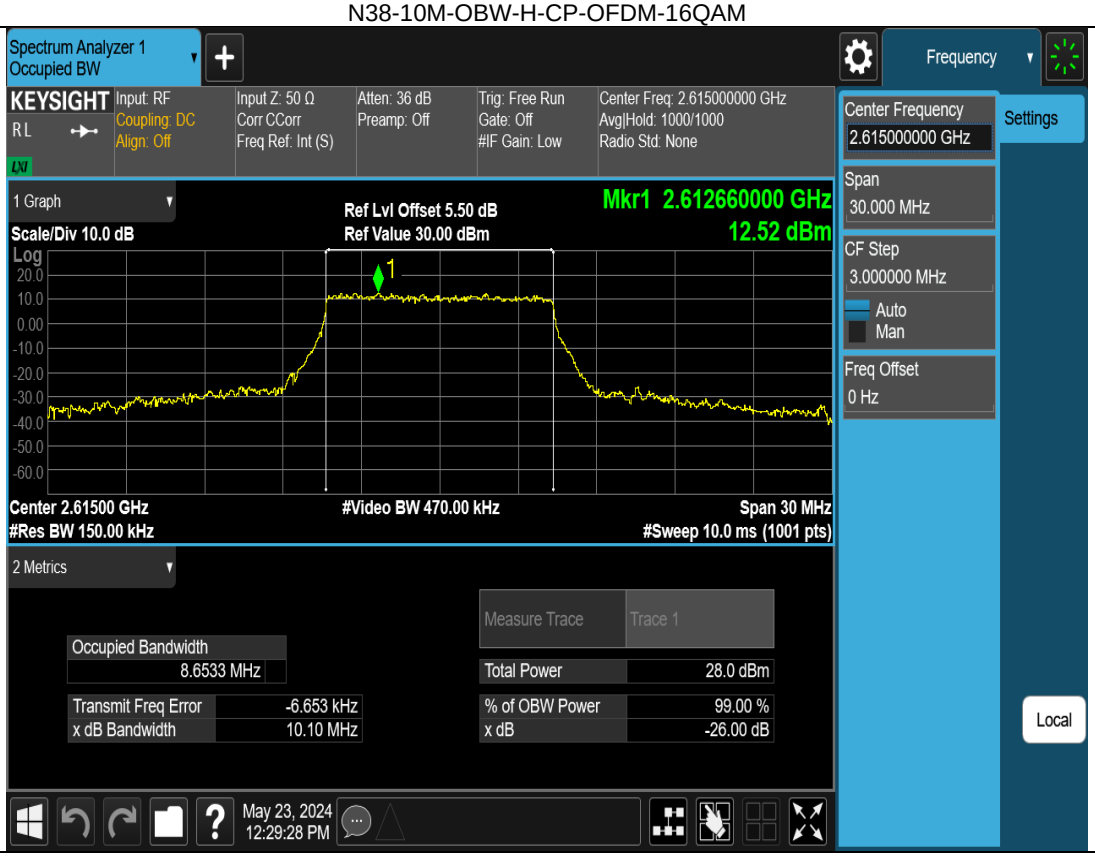

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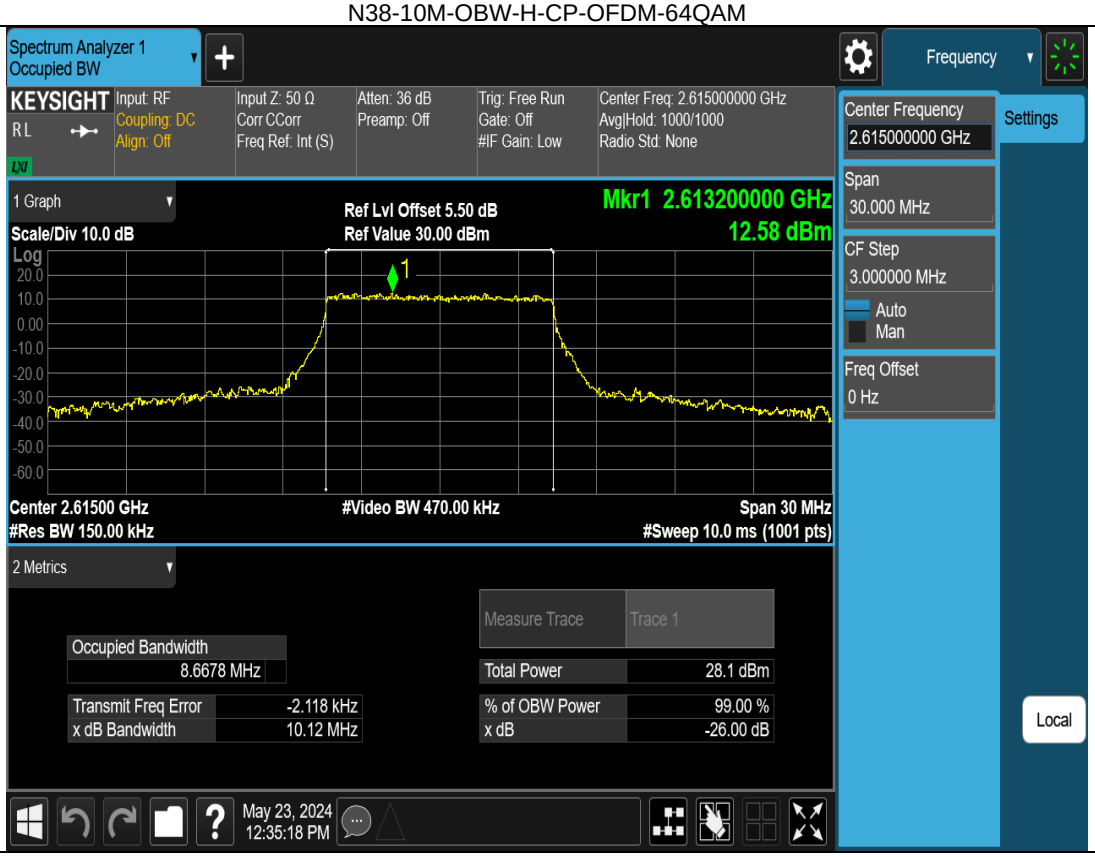

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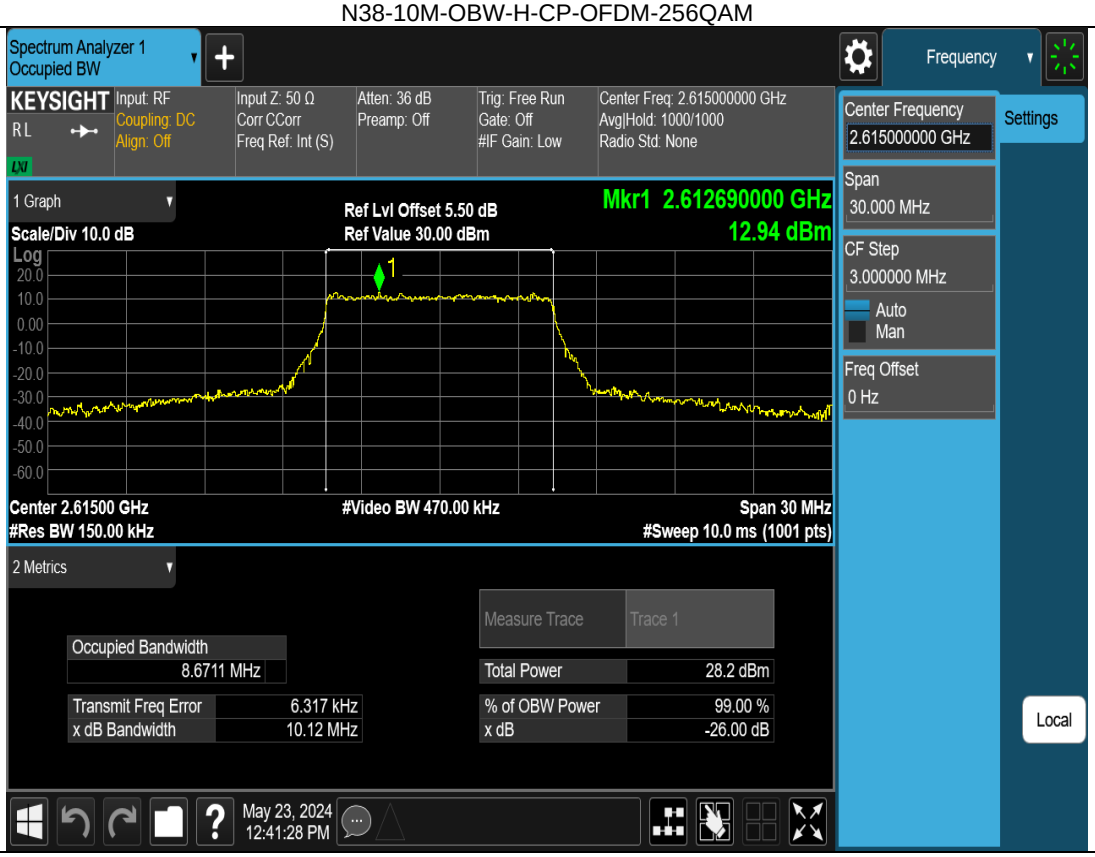
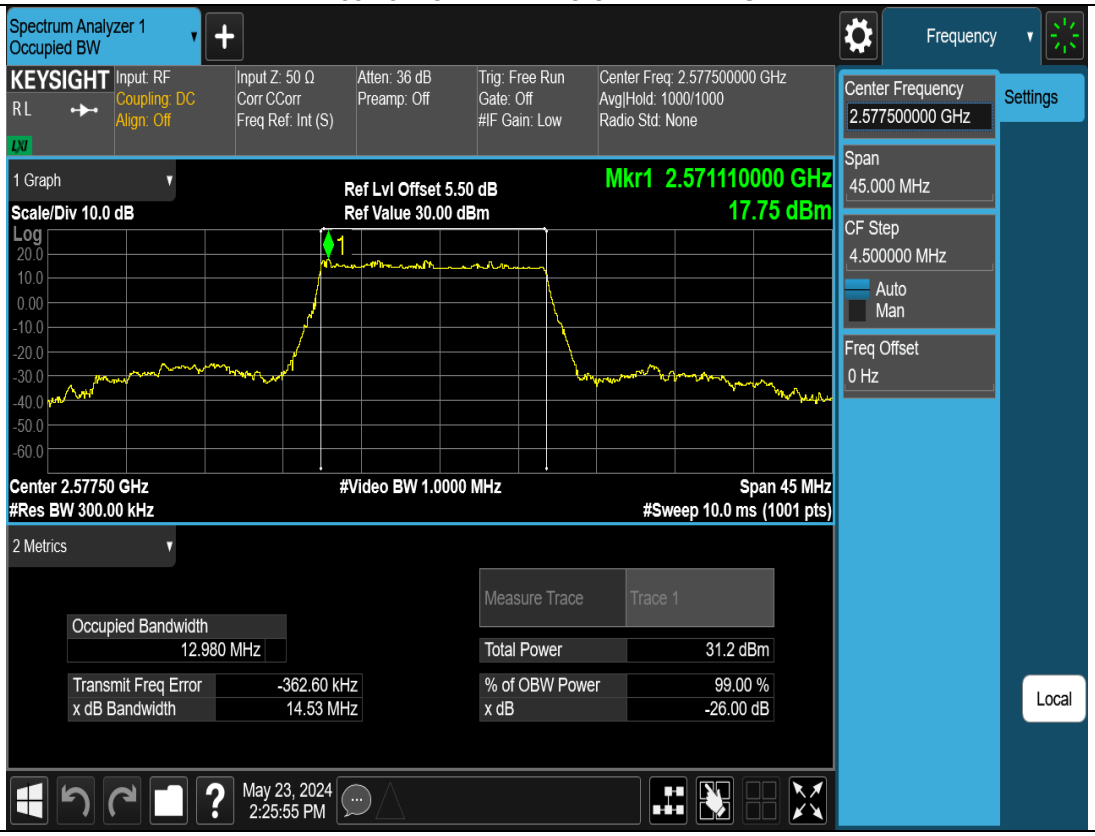


N38-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



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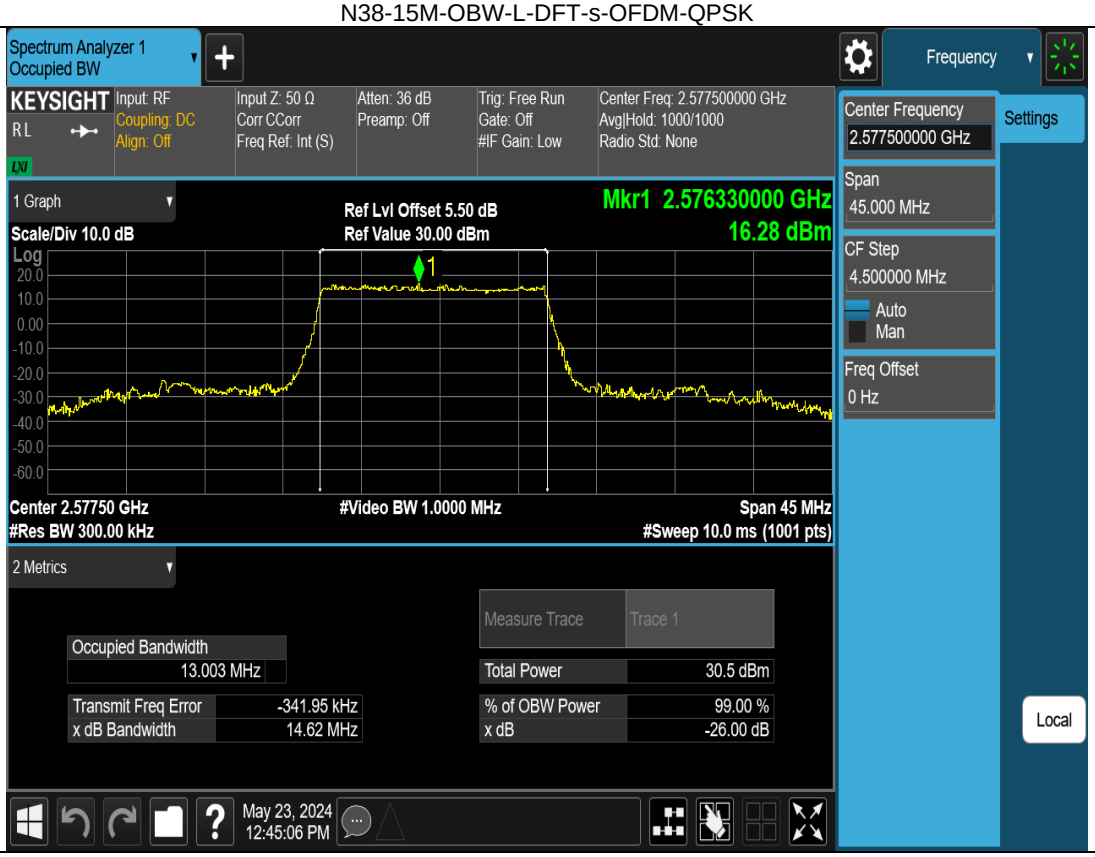
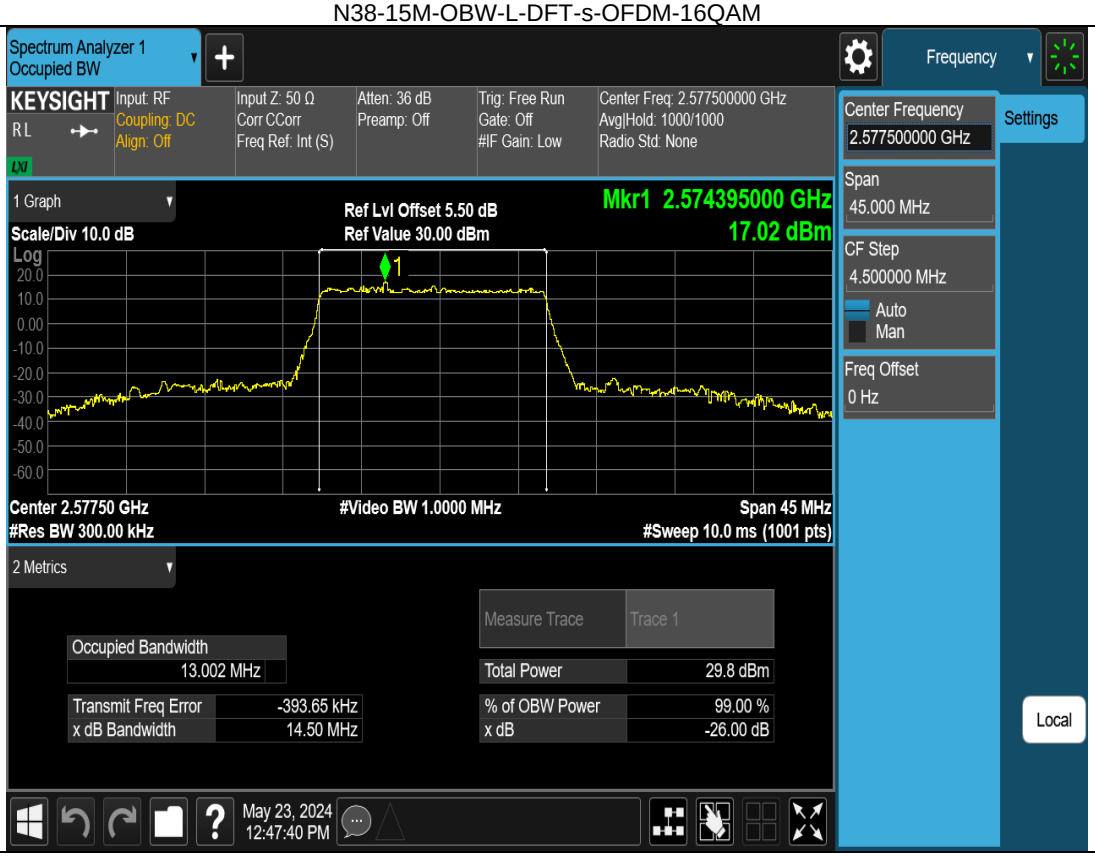
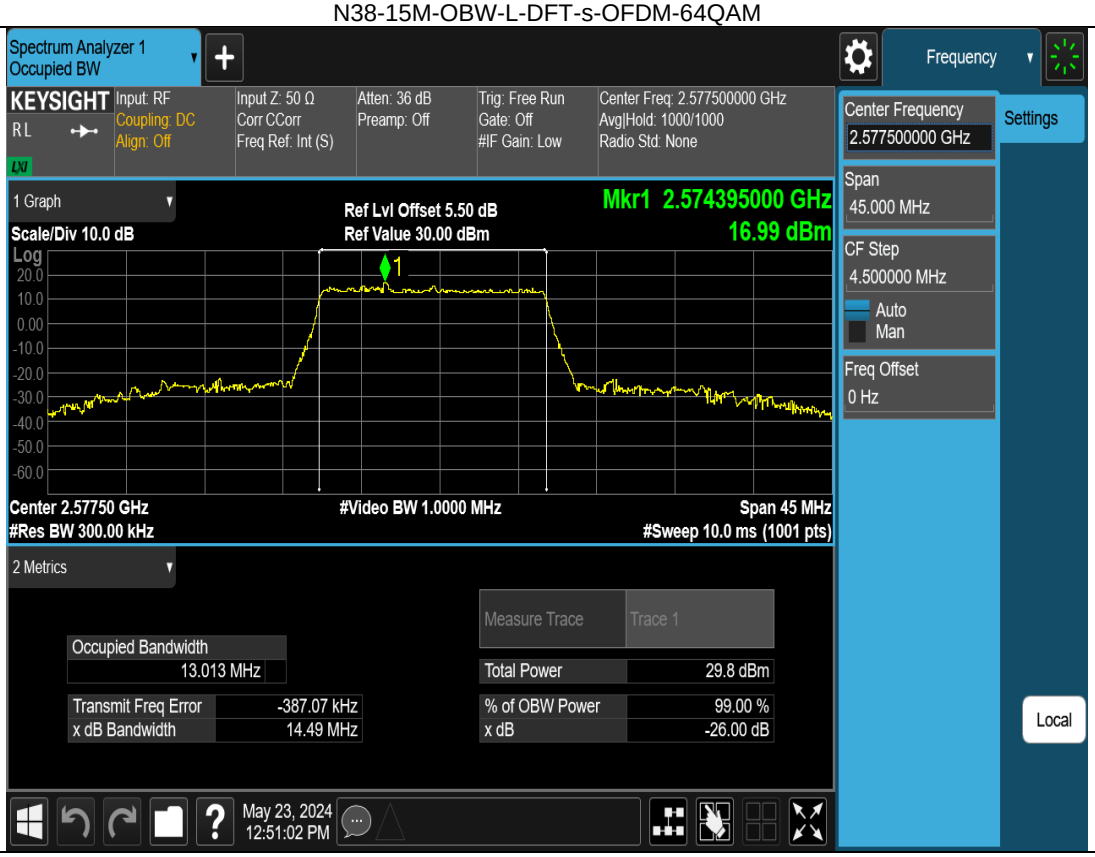


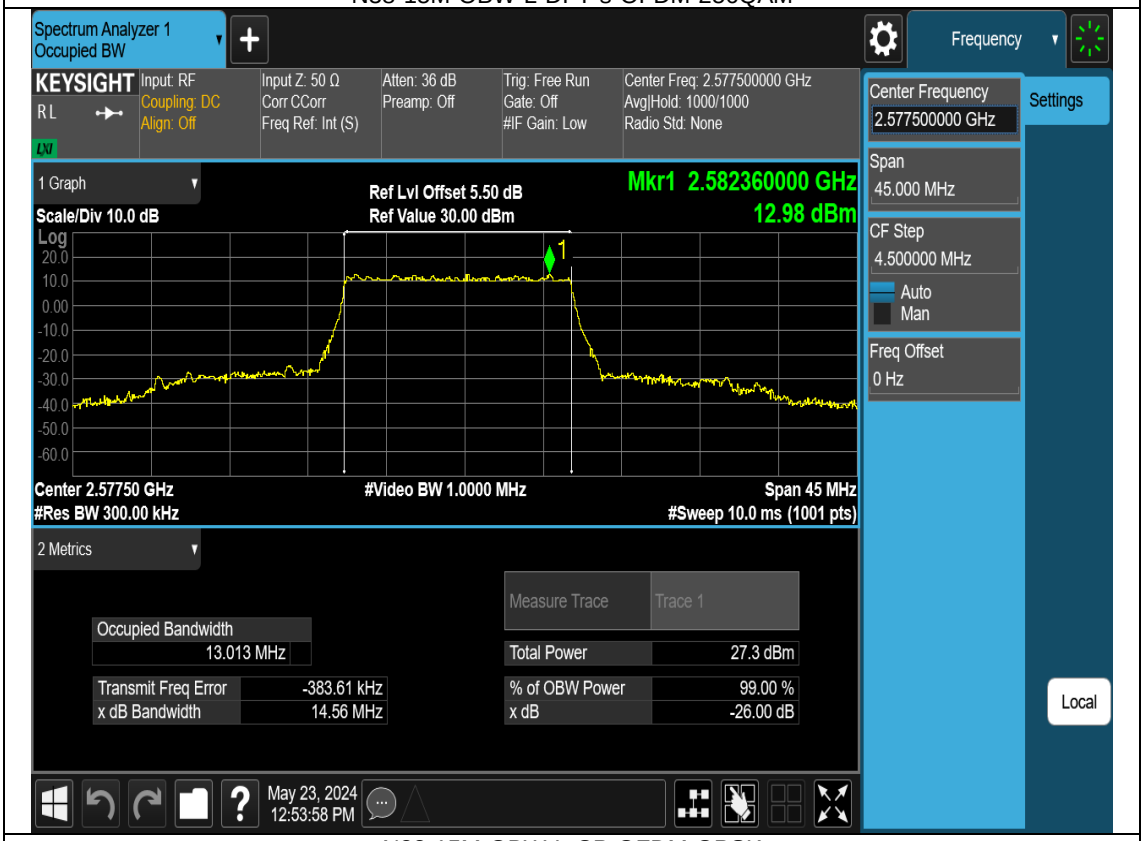
N38-15M-OBW-L-DFT-s-OFDM-16QAM



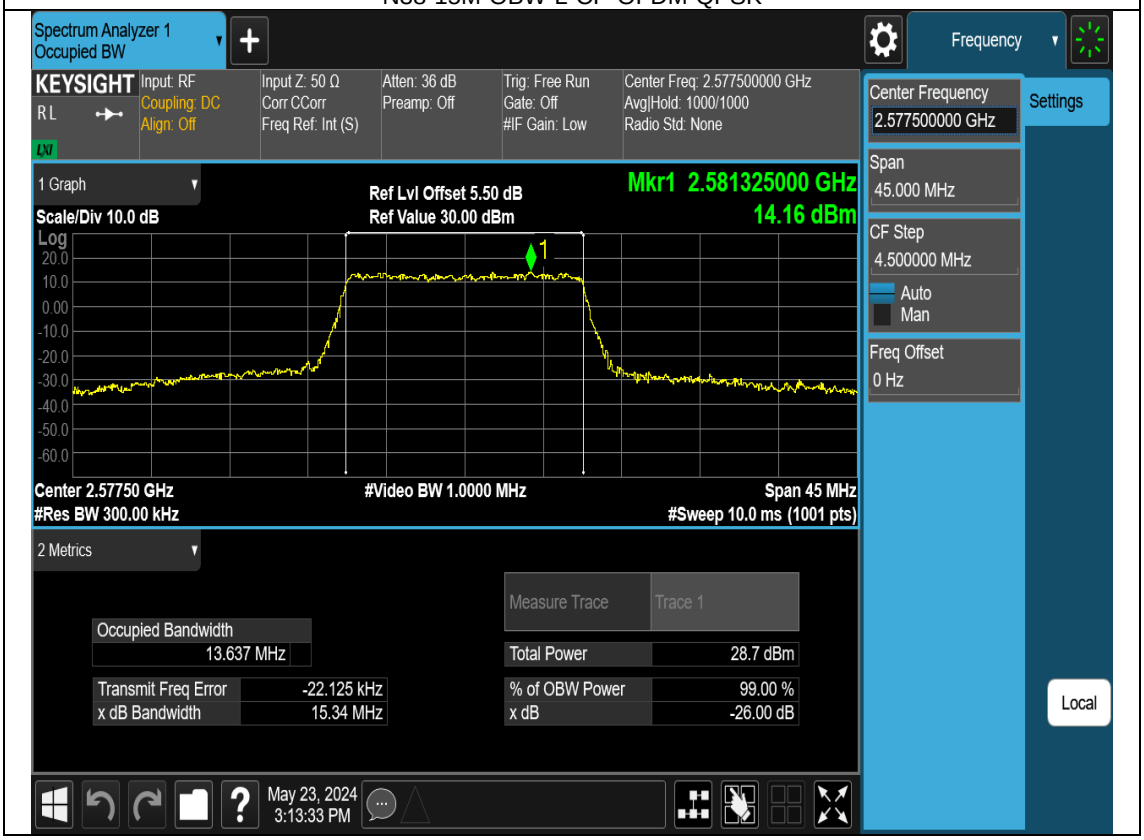
N38-15M-OBW-L-DFT-s-OFDM-64QAM



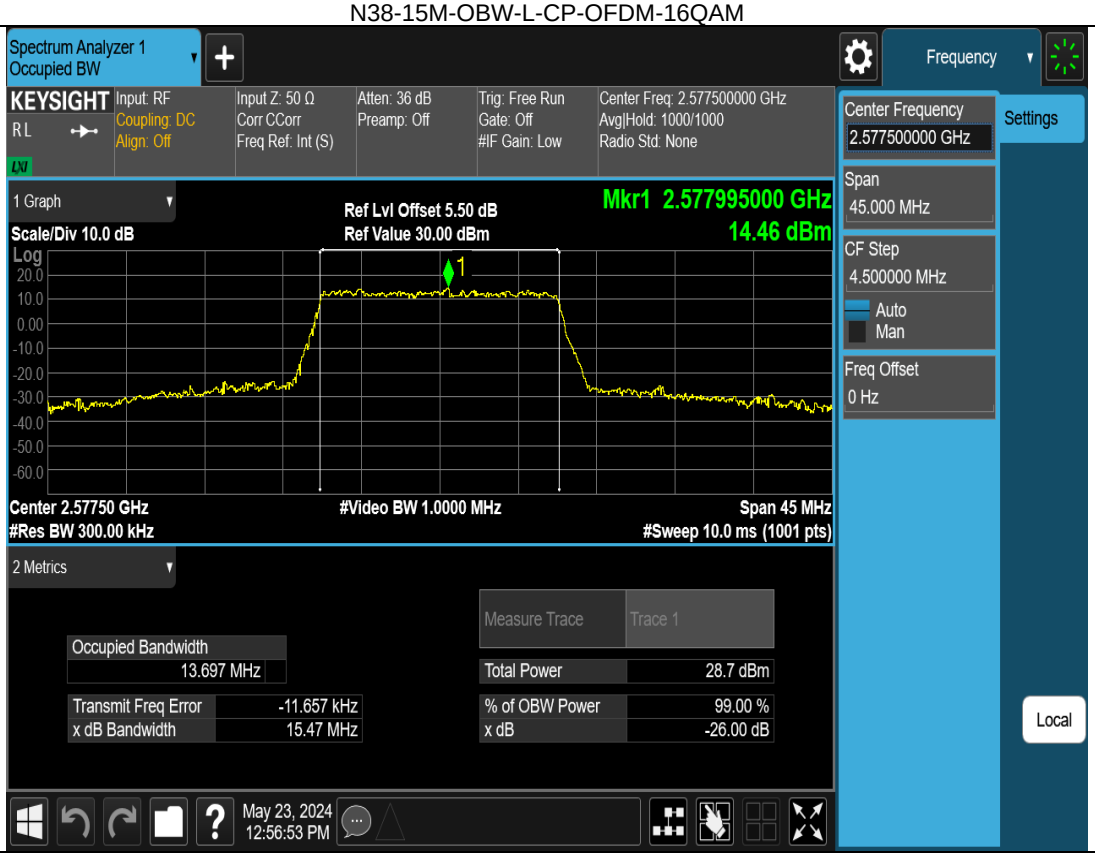
N38-15M-OBW-L-DFT-s-OFDM-256QAM



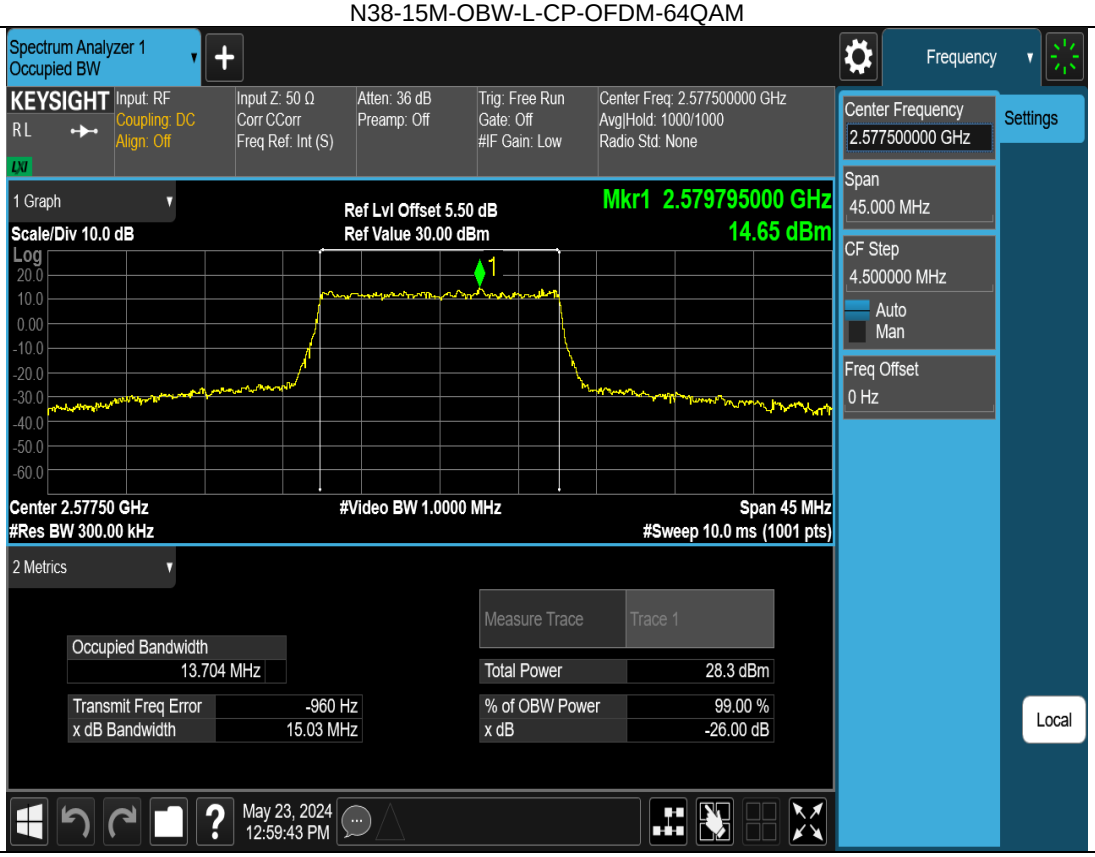
N38-15M-OBW-L-CP-OFDM-QPSK



N38-15M-OBW-L-CP-OFDM-16QAM



N38-15M-OBW-L-CP-OFDM-64QAM



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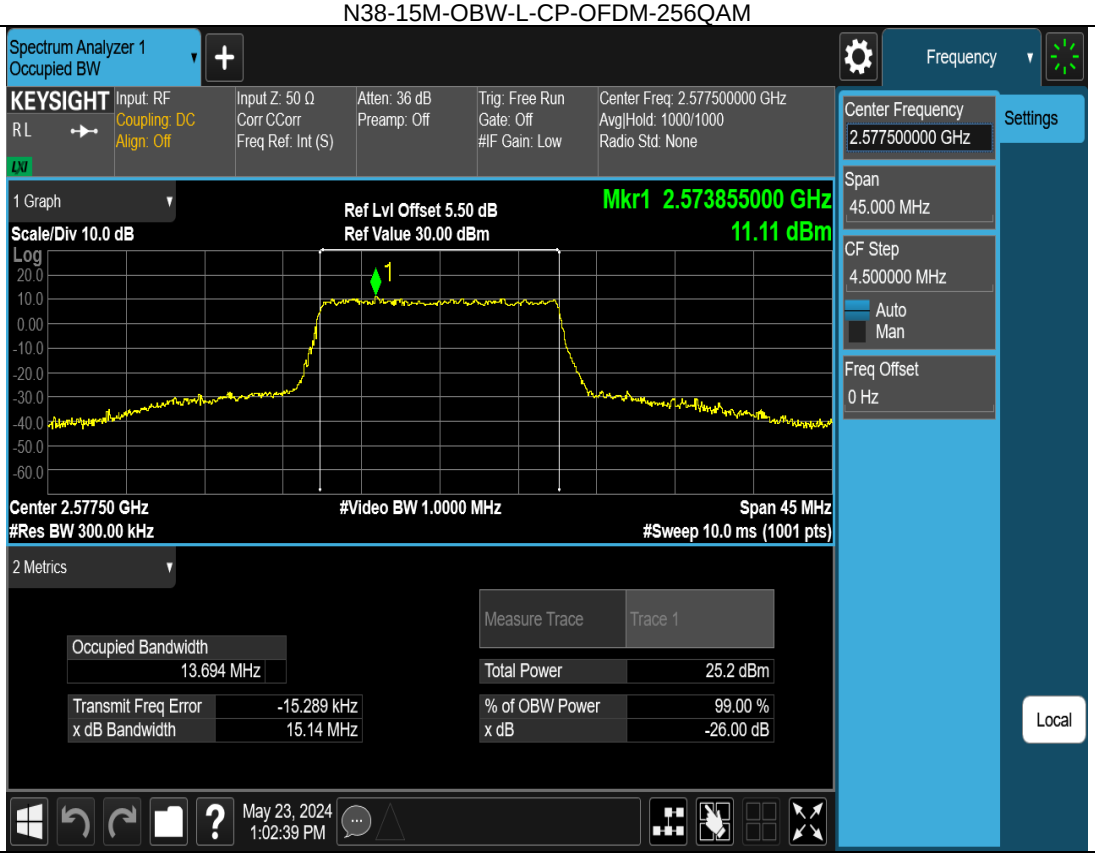
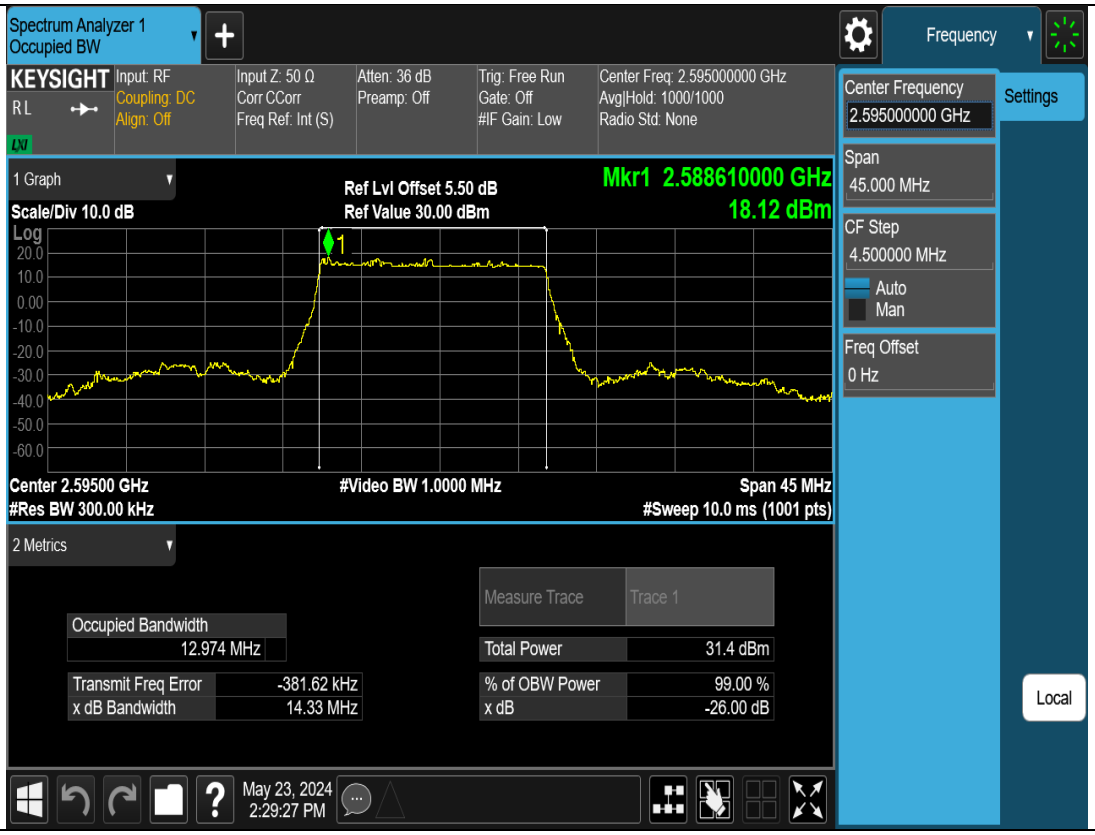


N38-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



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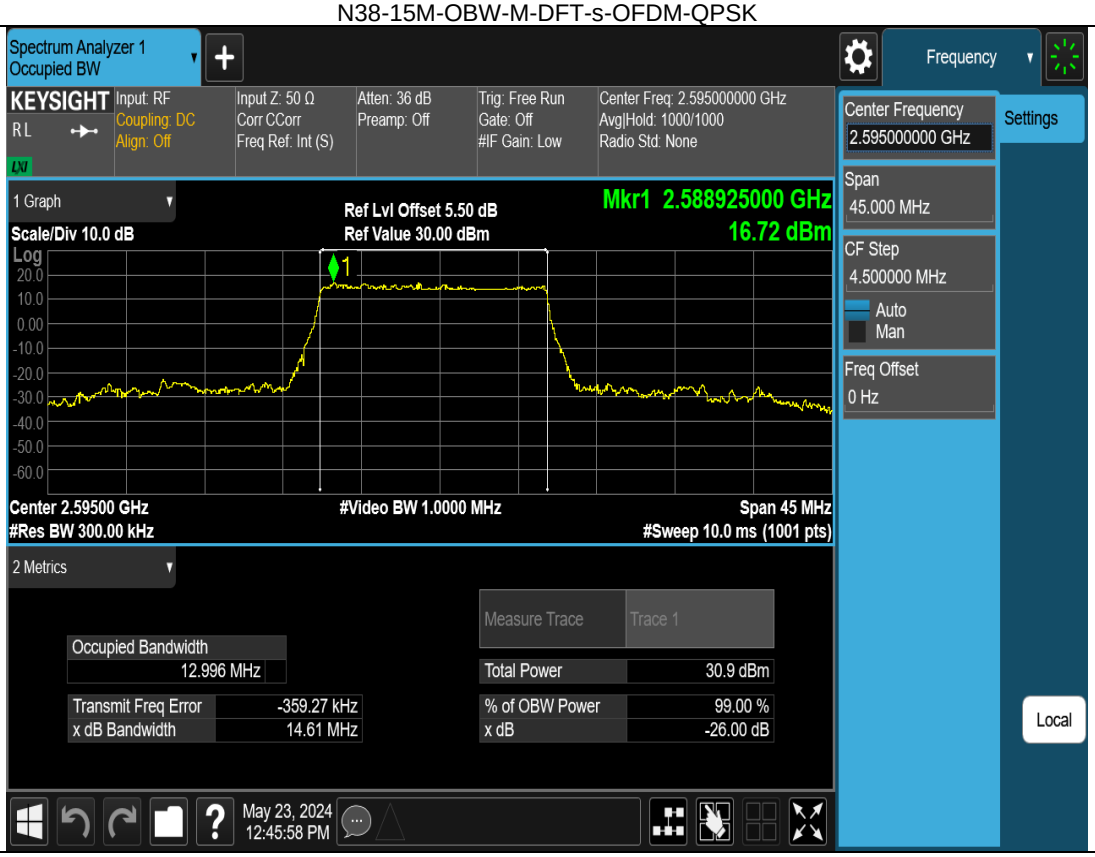
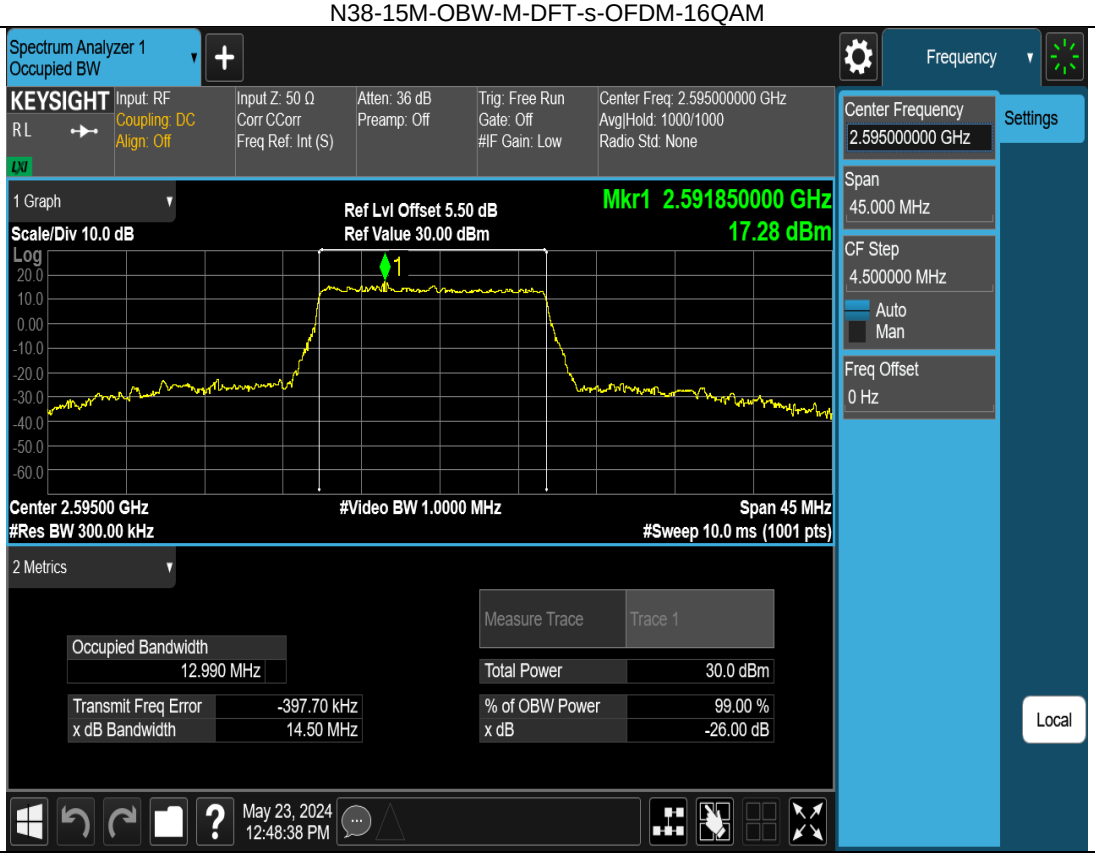


N38-15M-OBW-M-DFT-s-OFDM-16QAM



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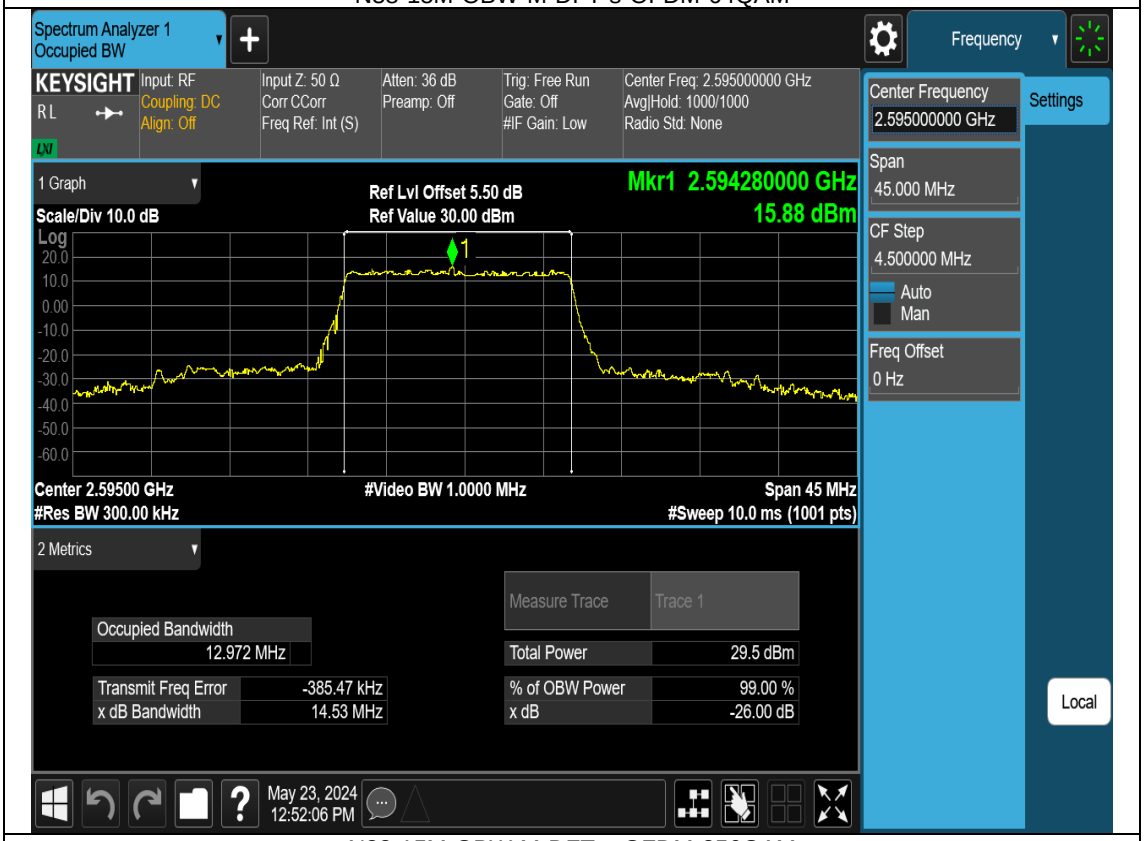

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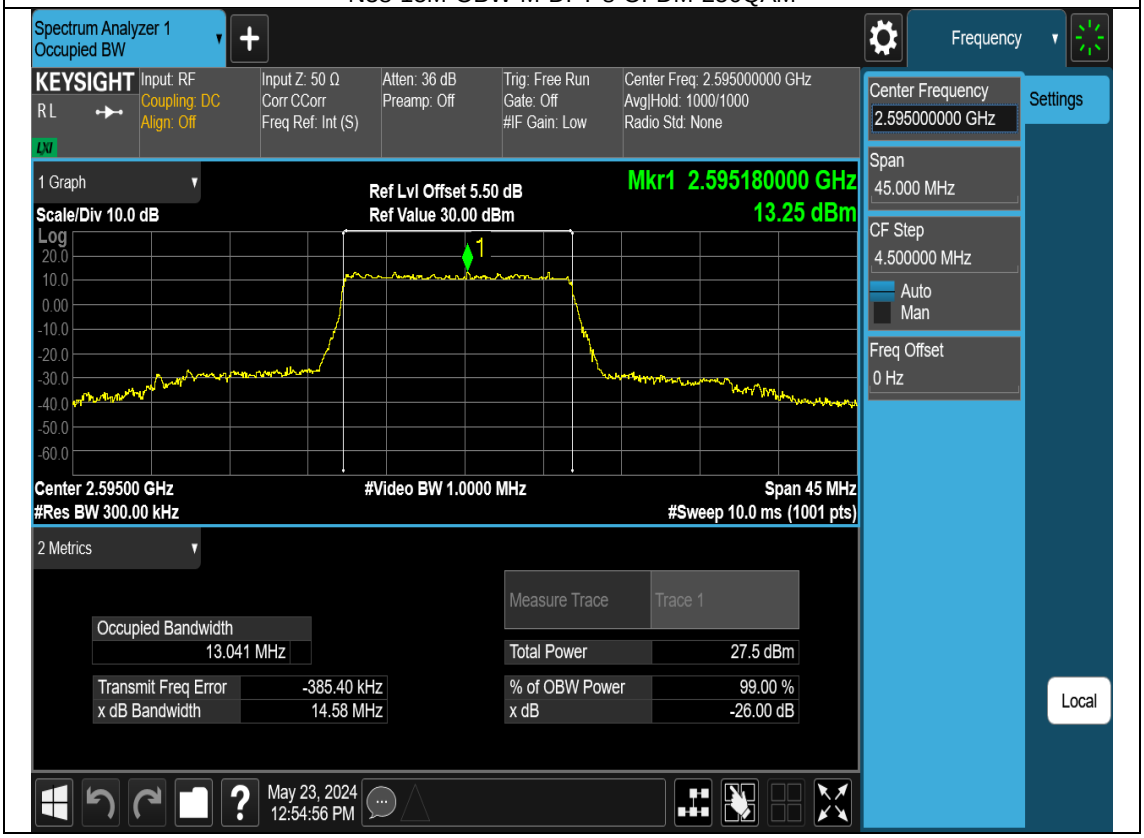

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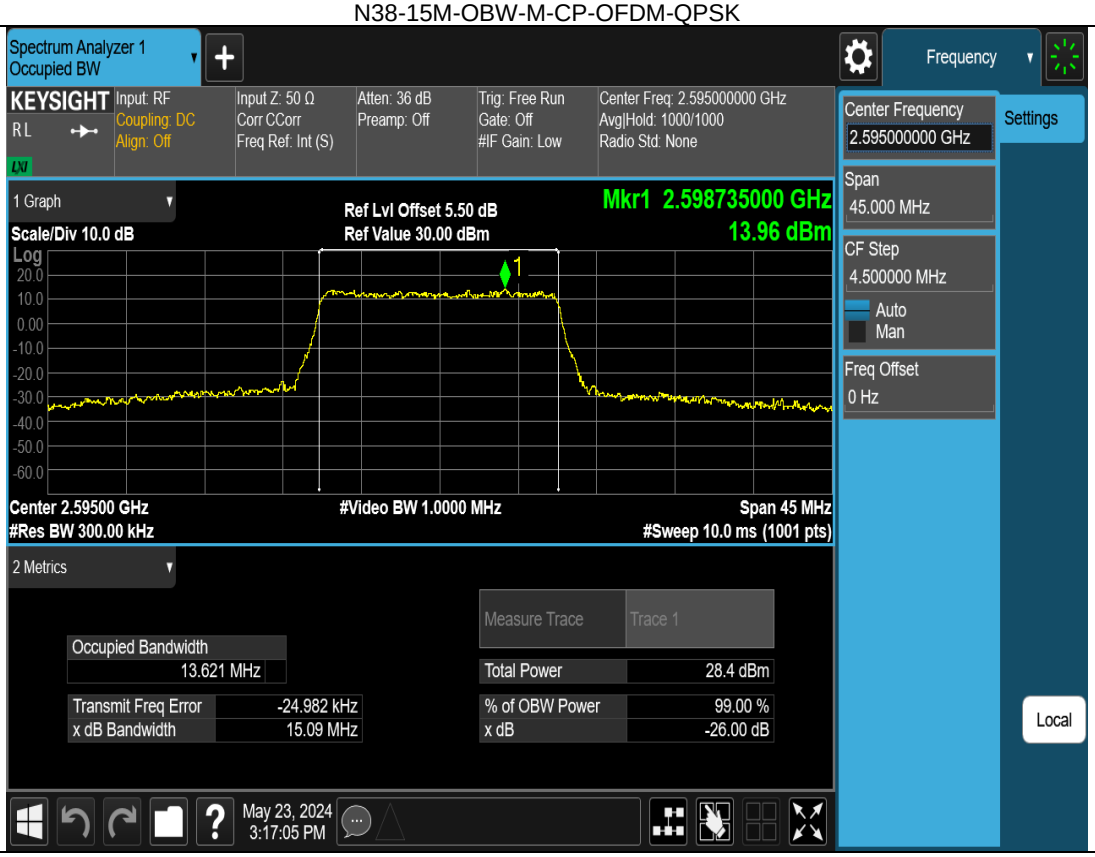

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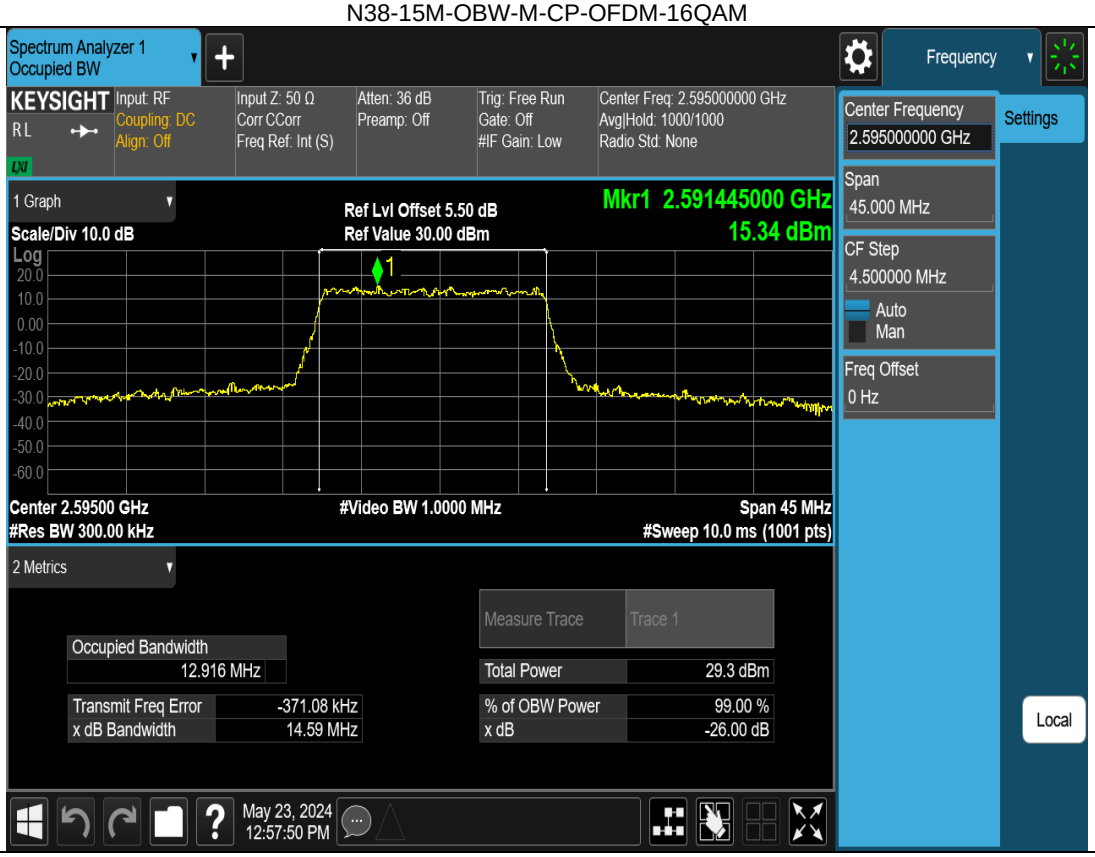

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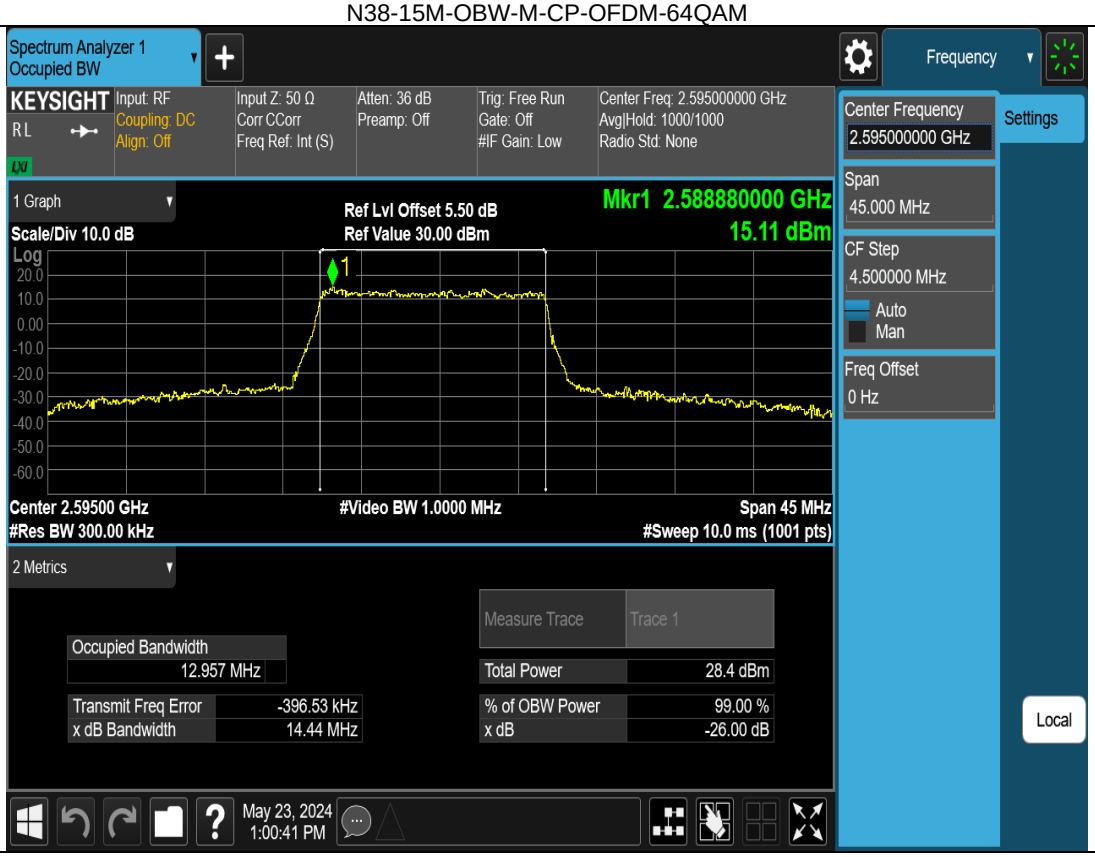

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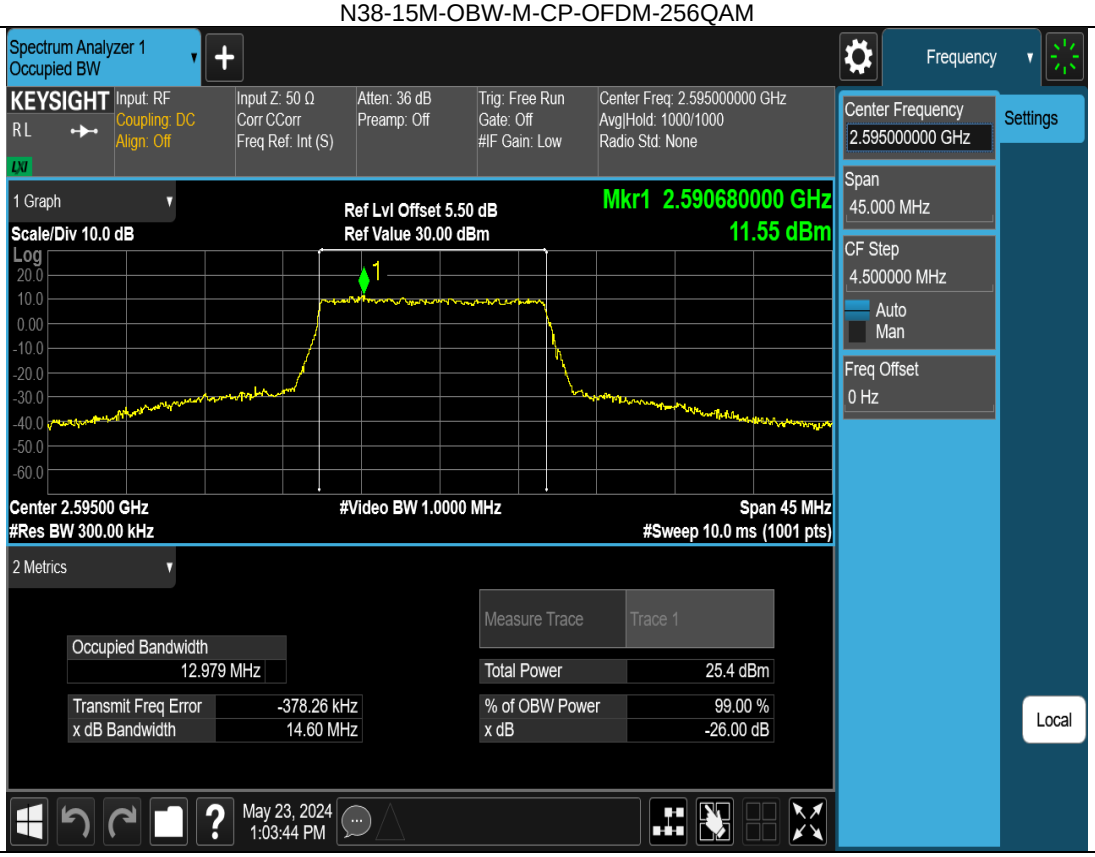
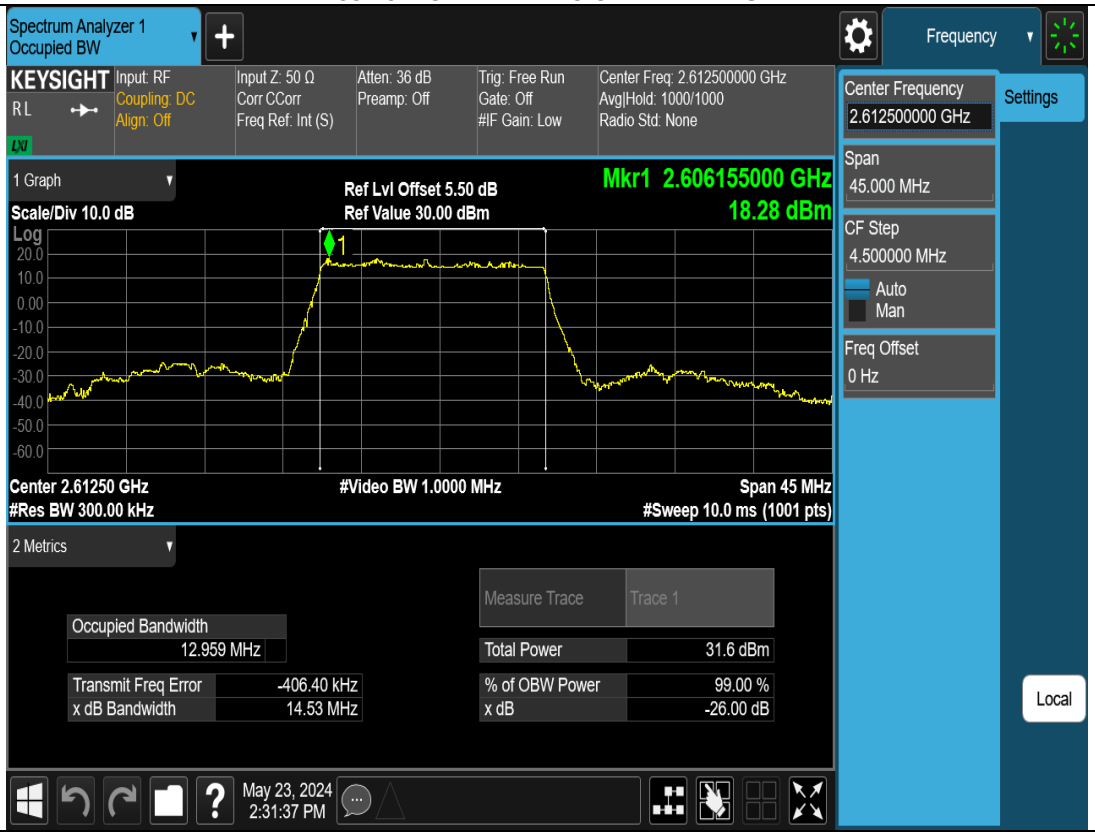


N38-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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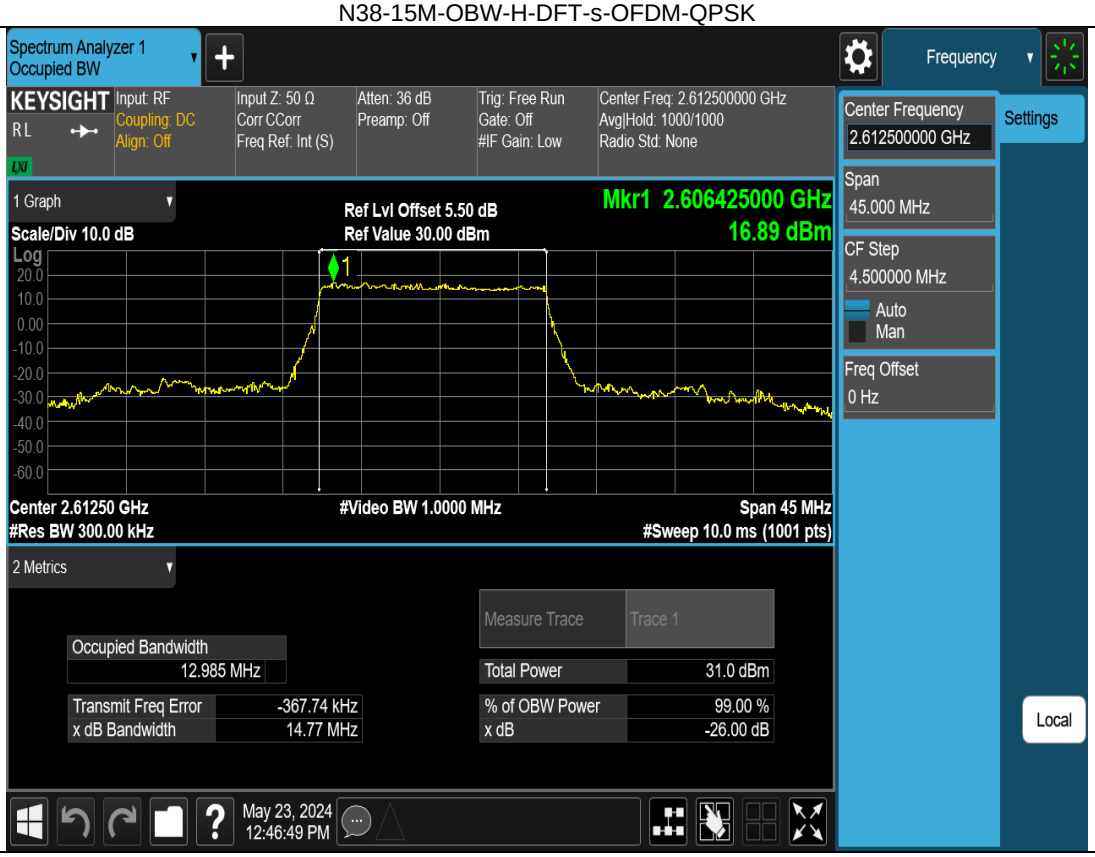

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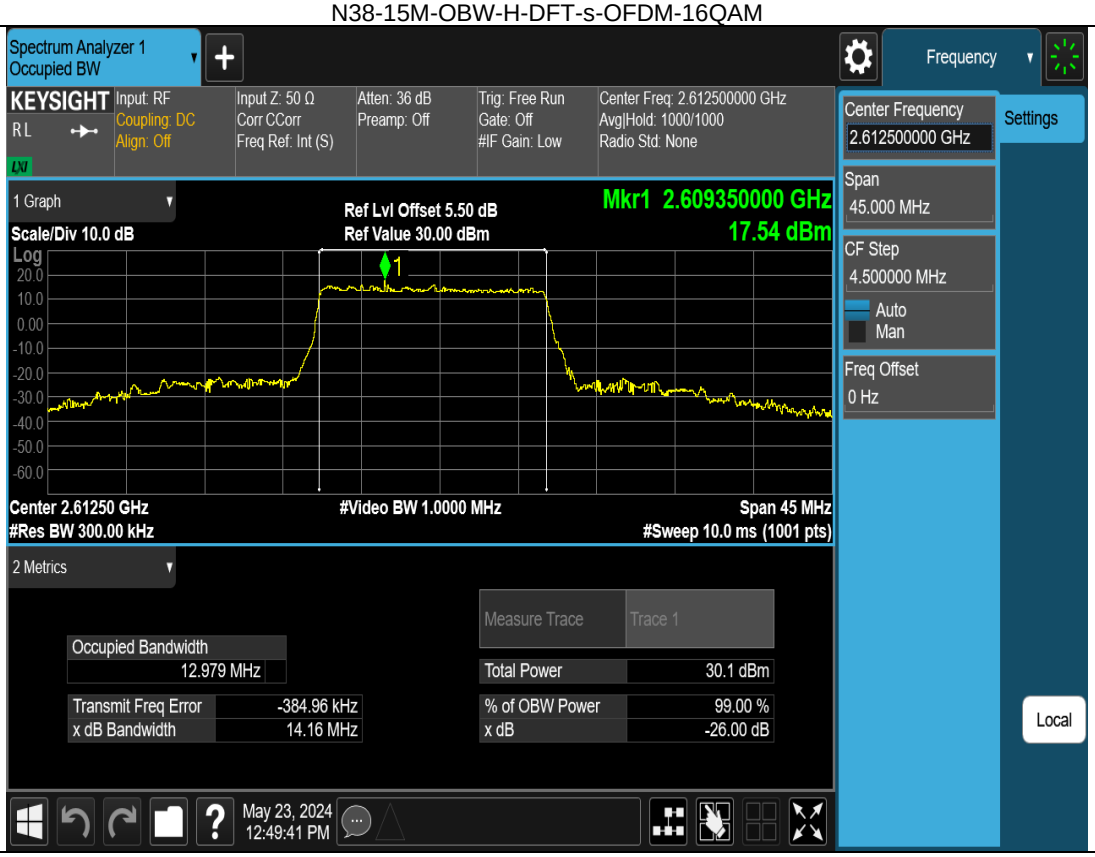

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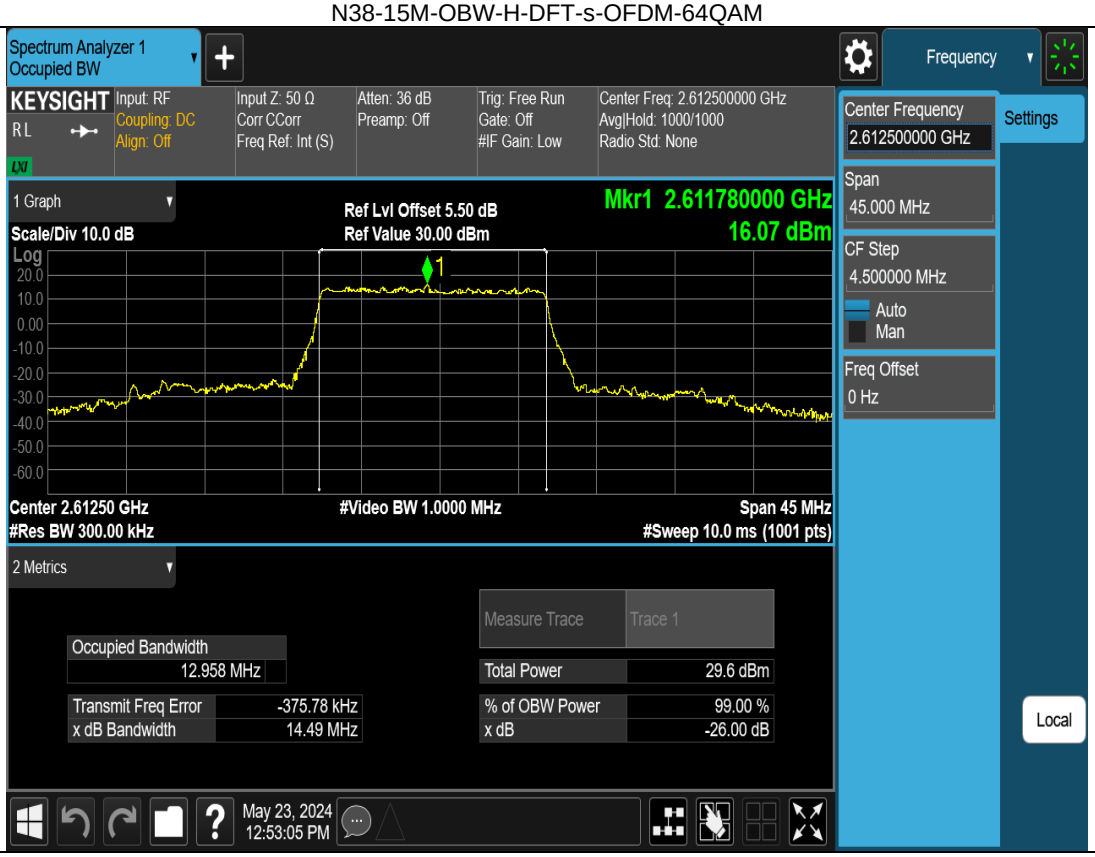

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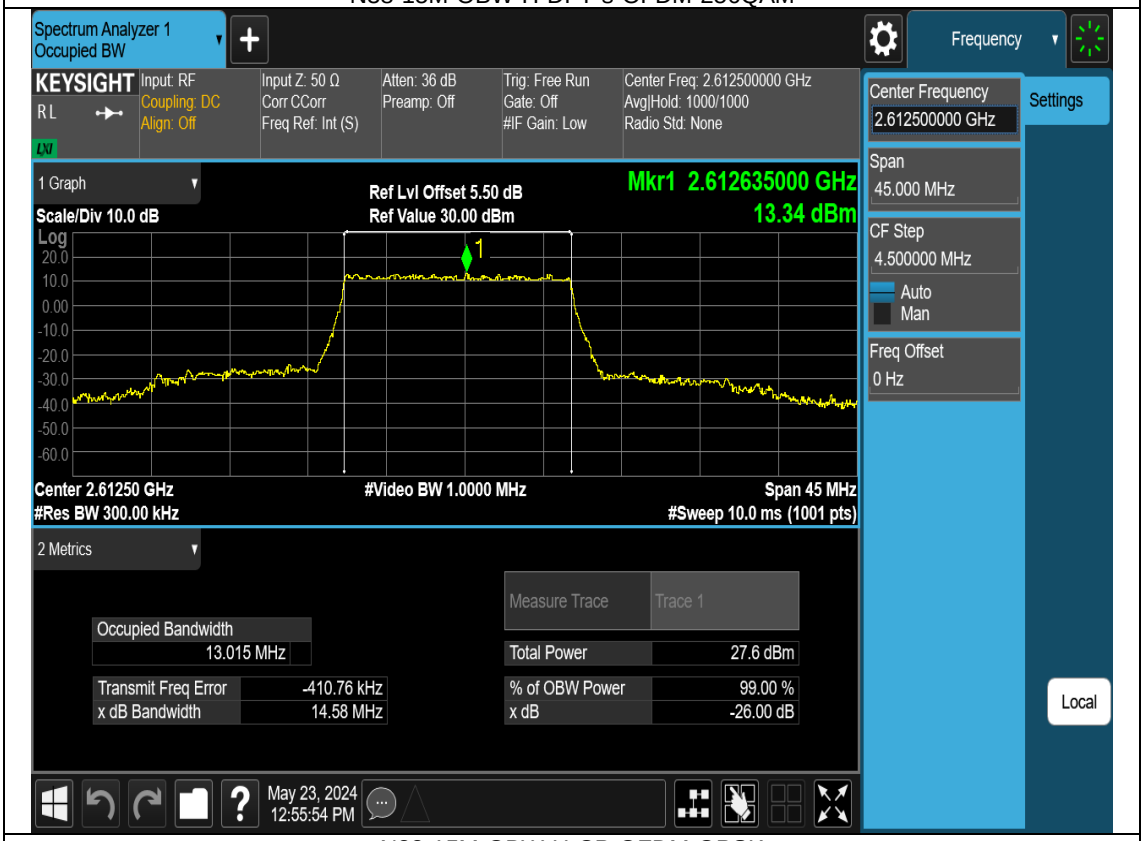

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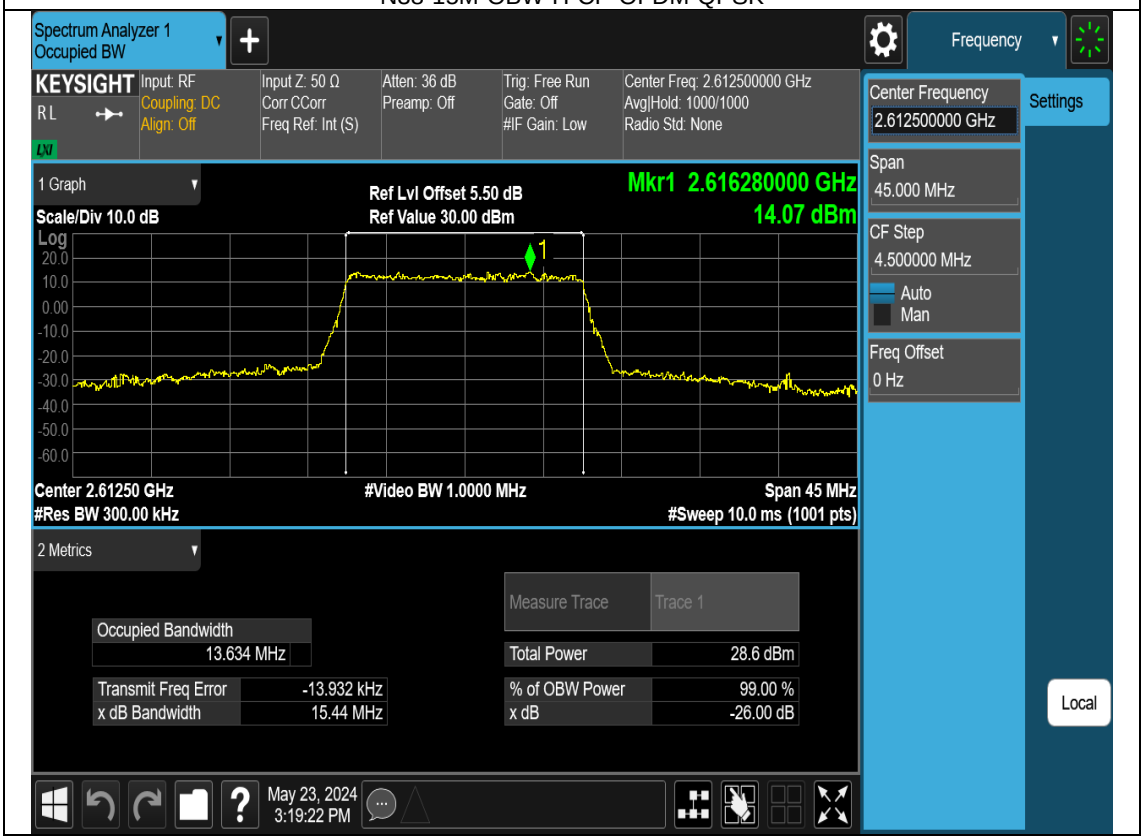

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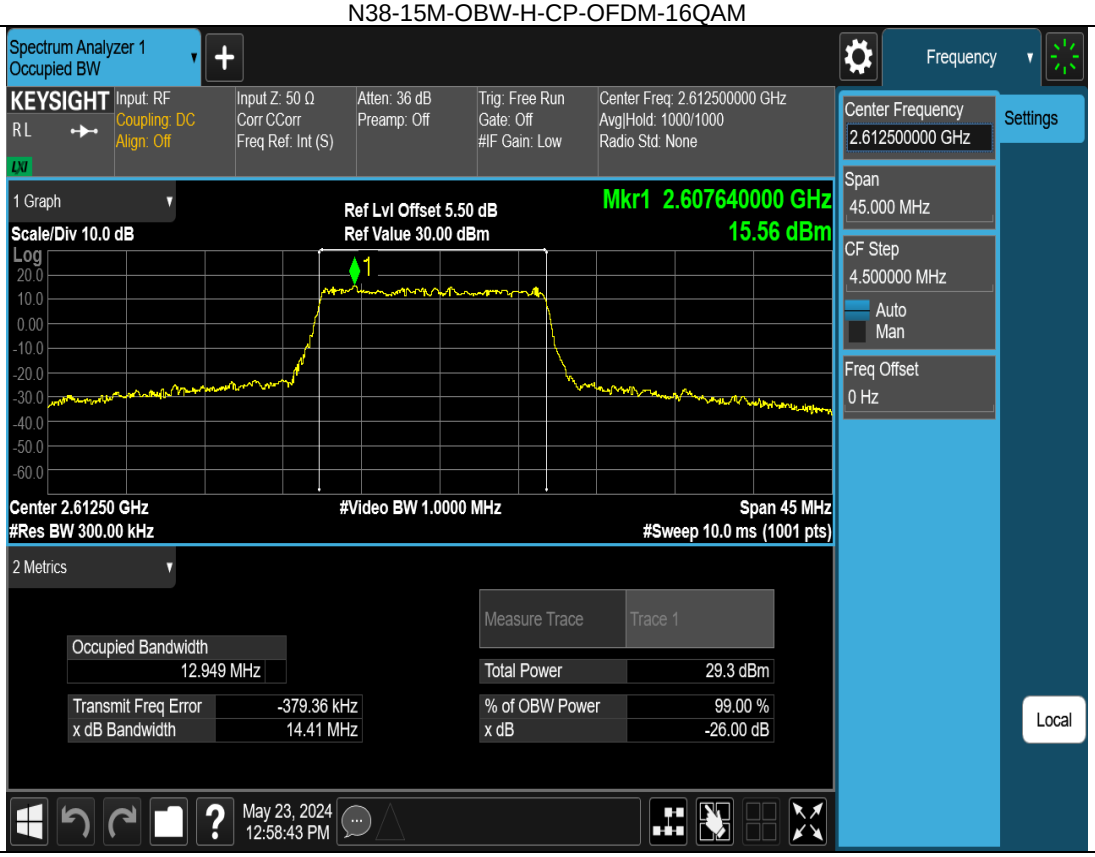

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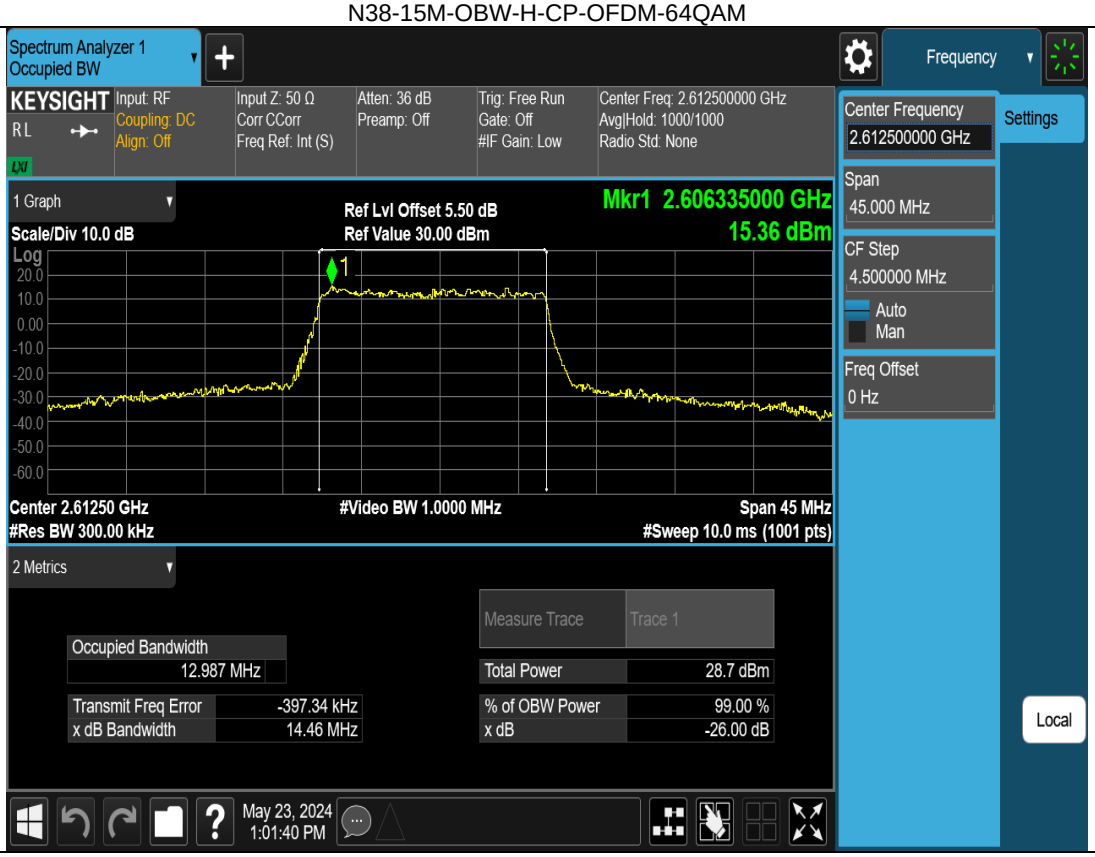

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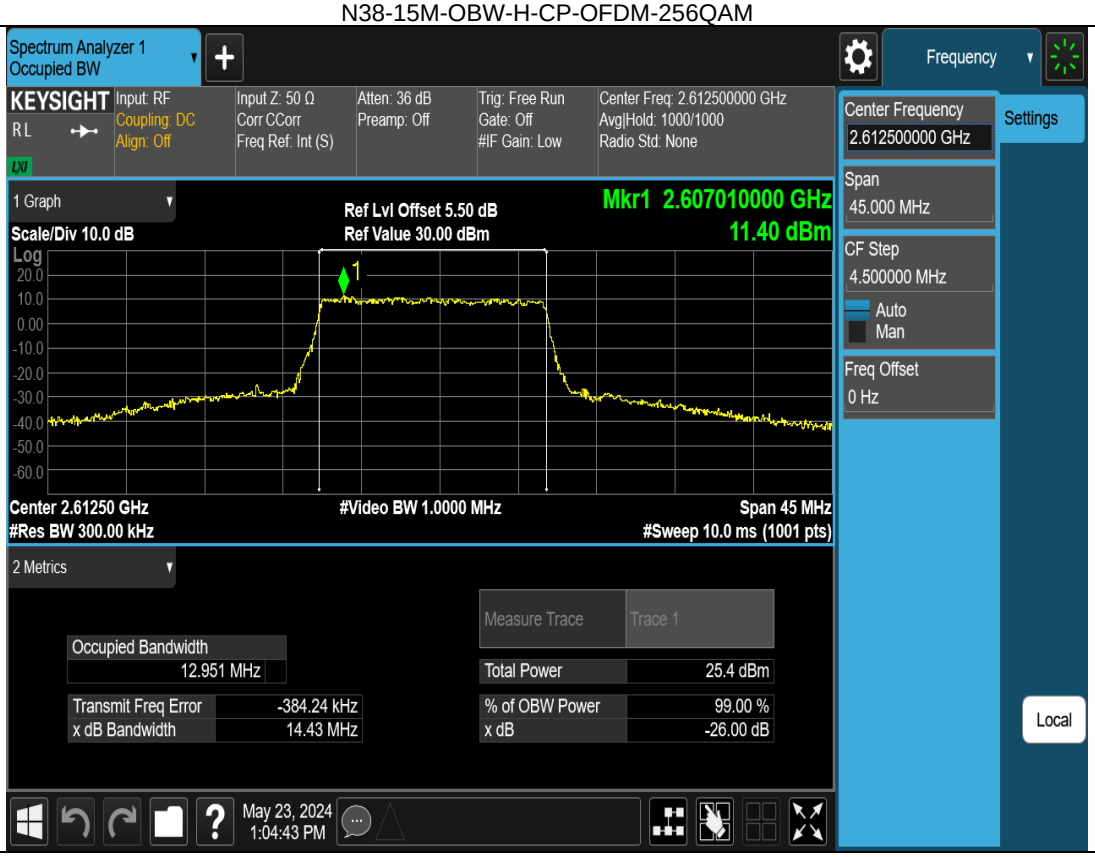
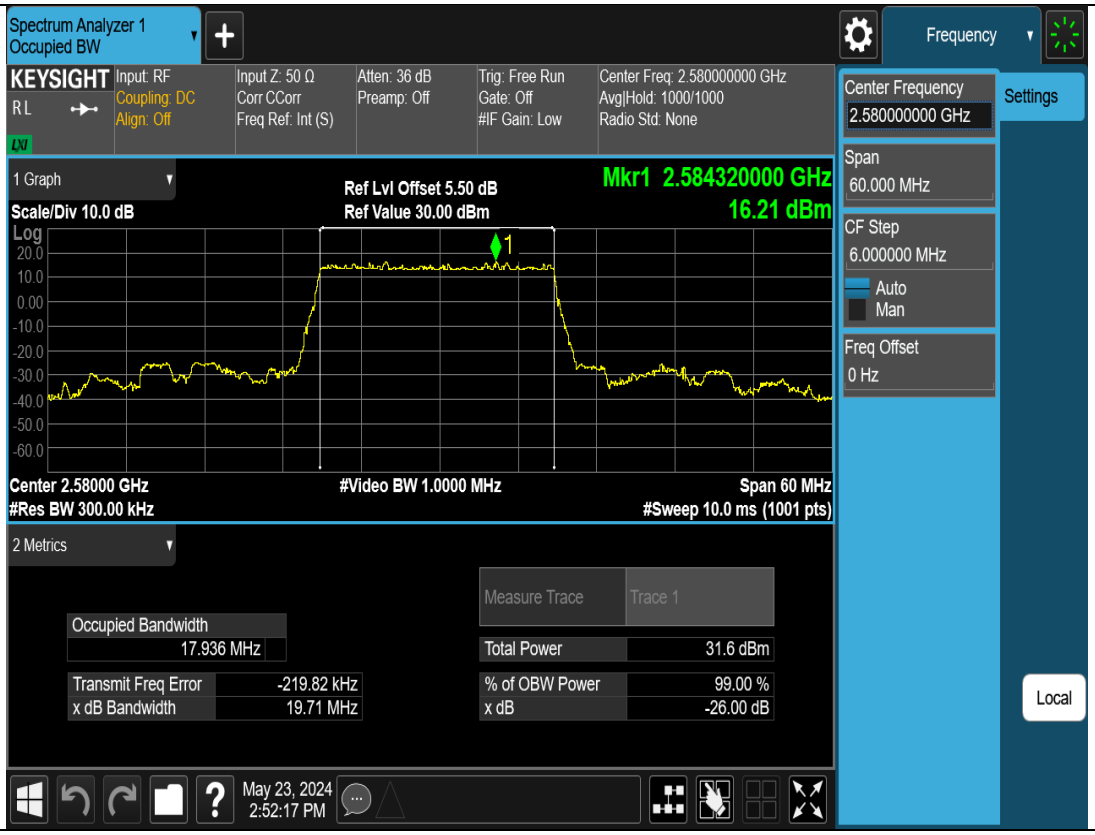


N38-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



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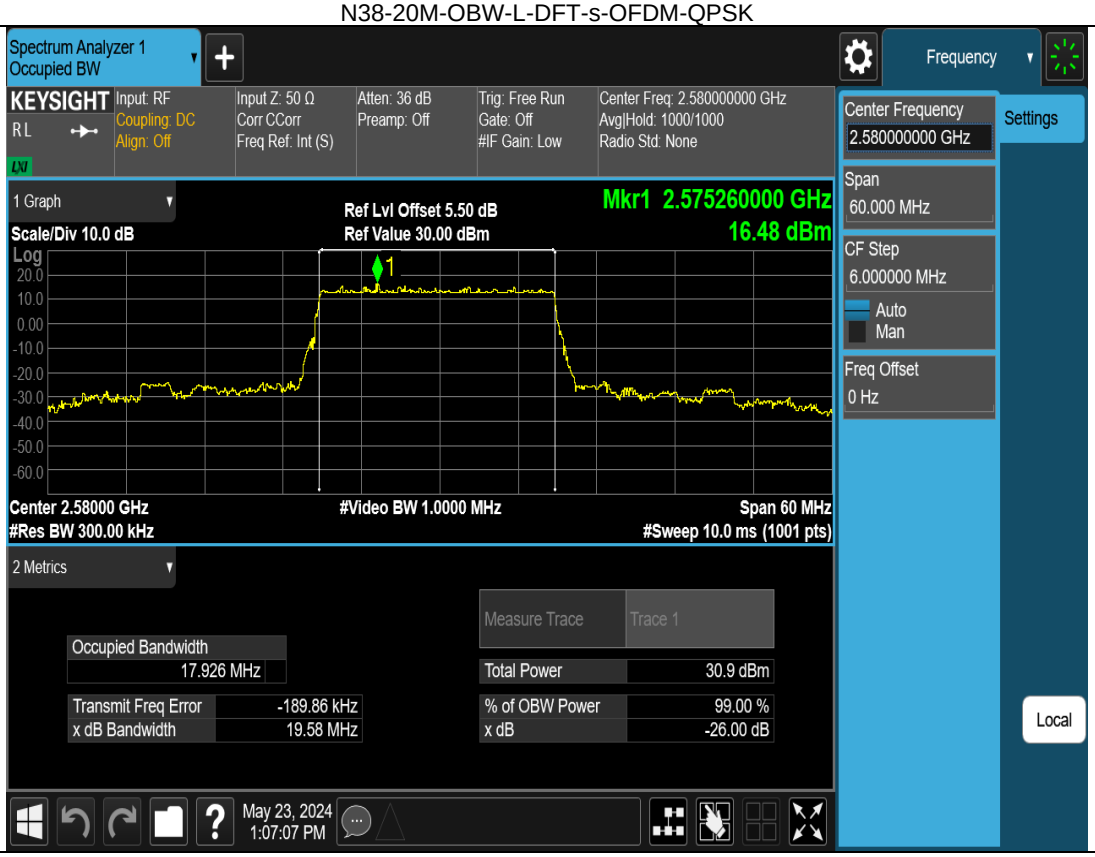

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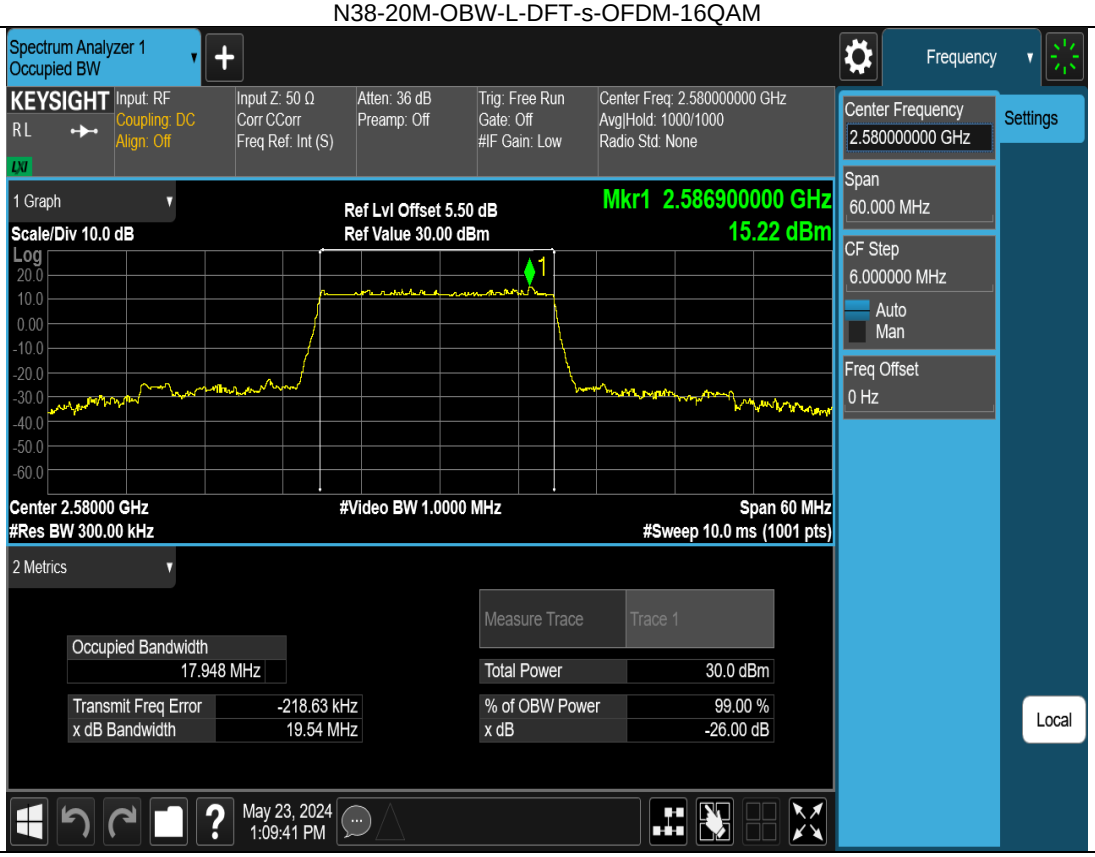

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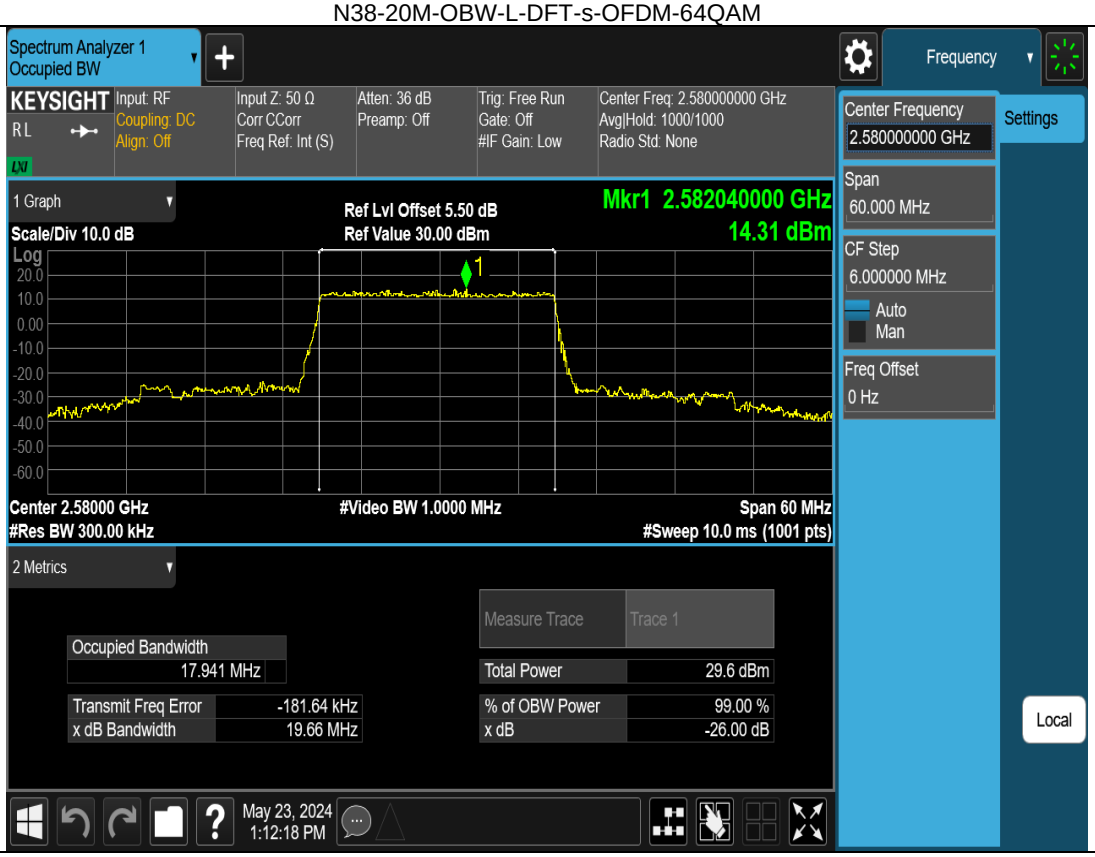

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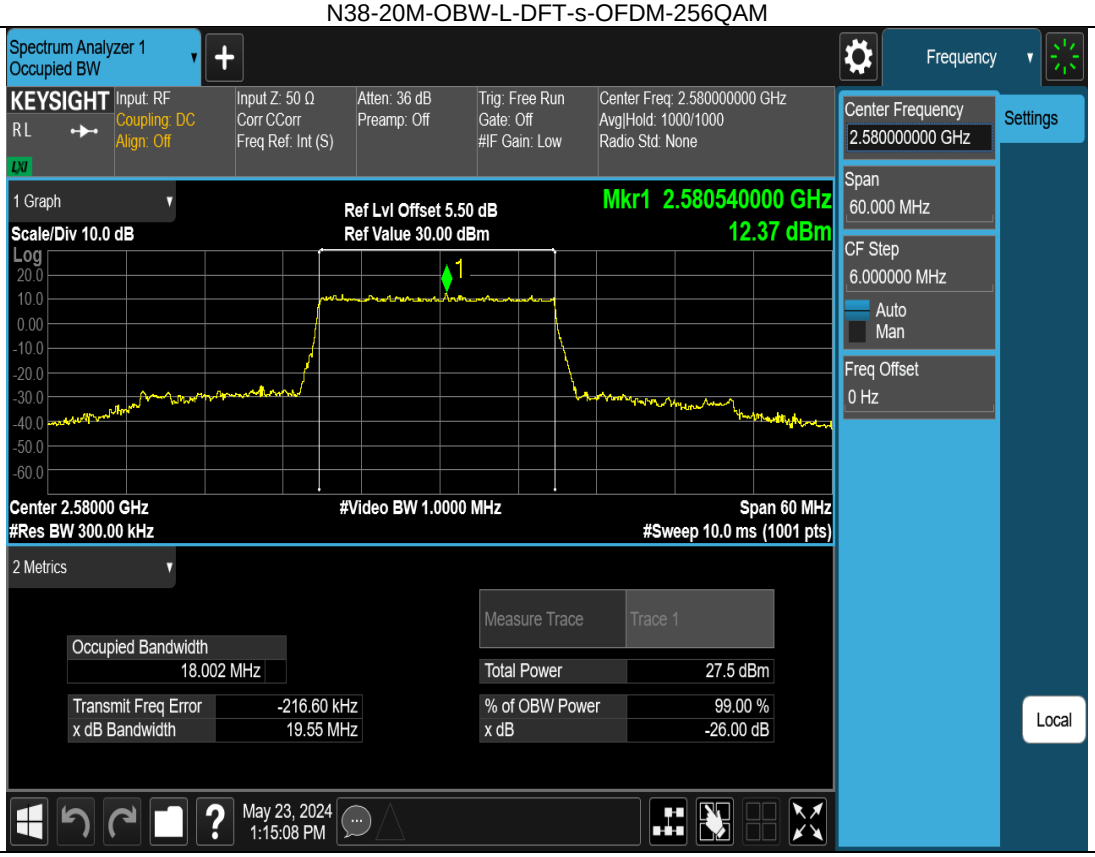

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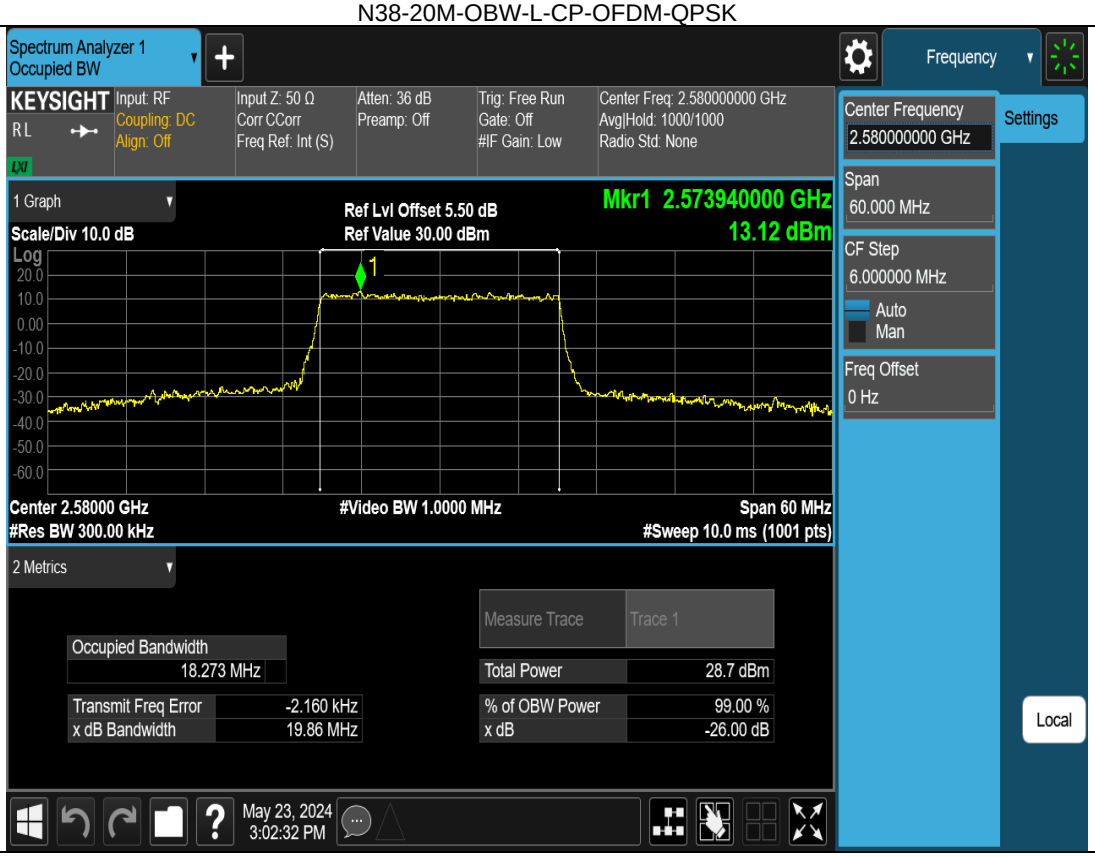

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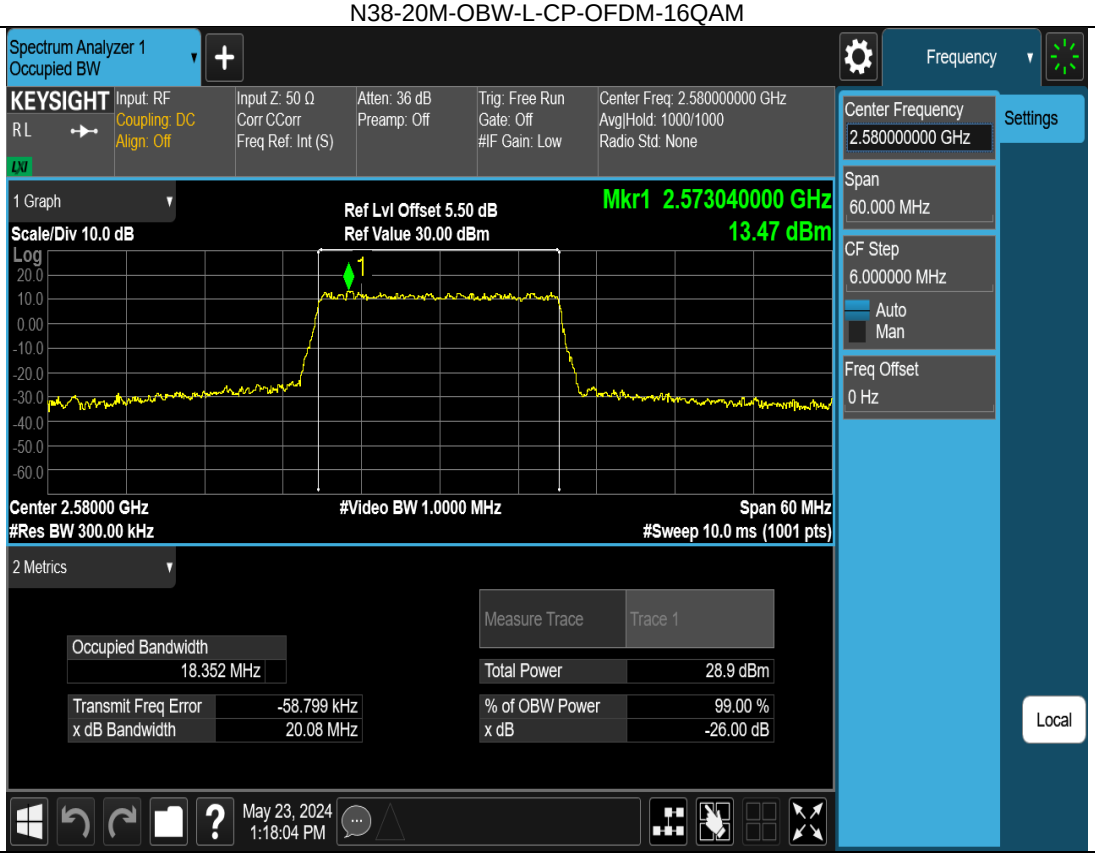

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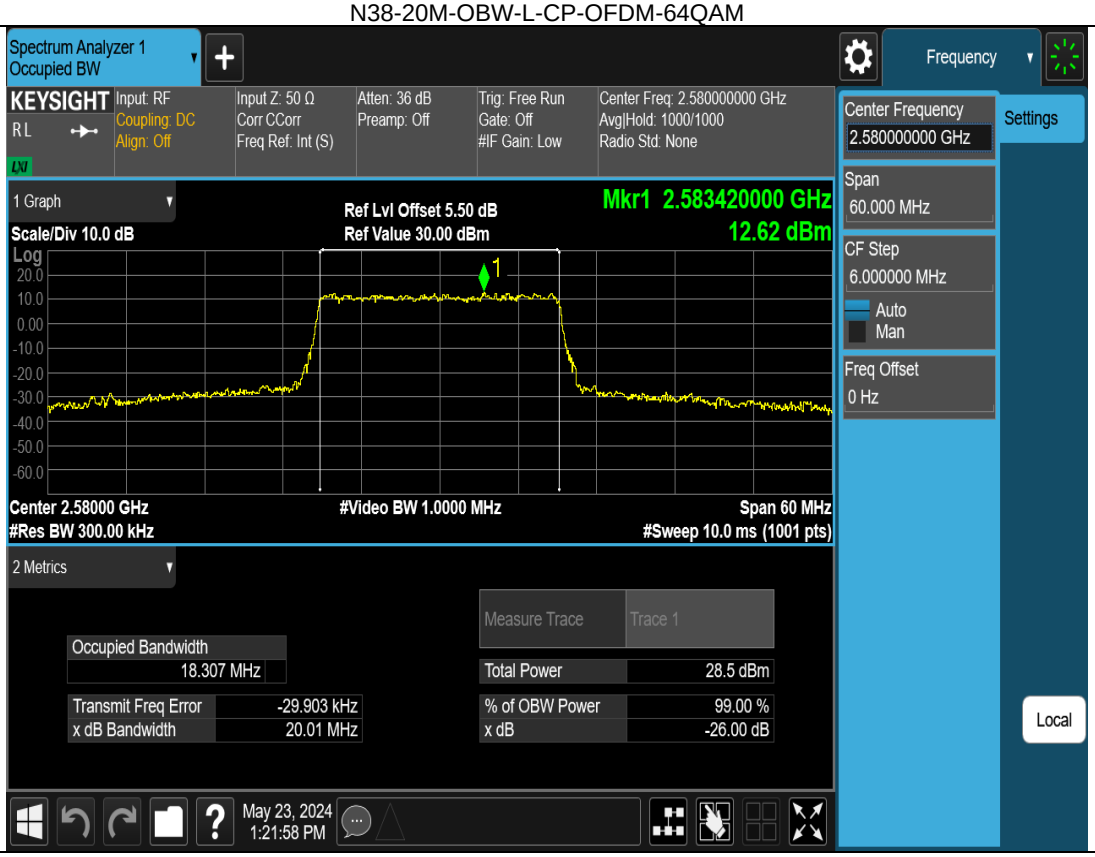

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