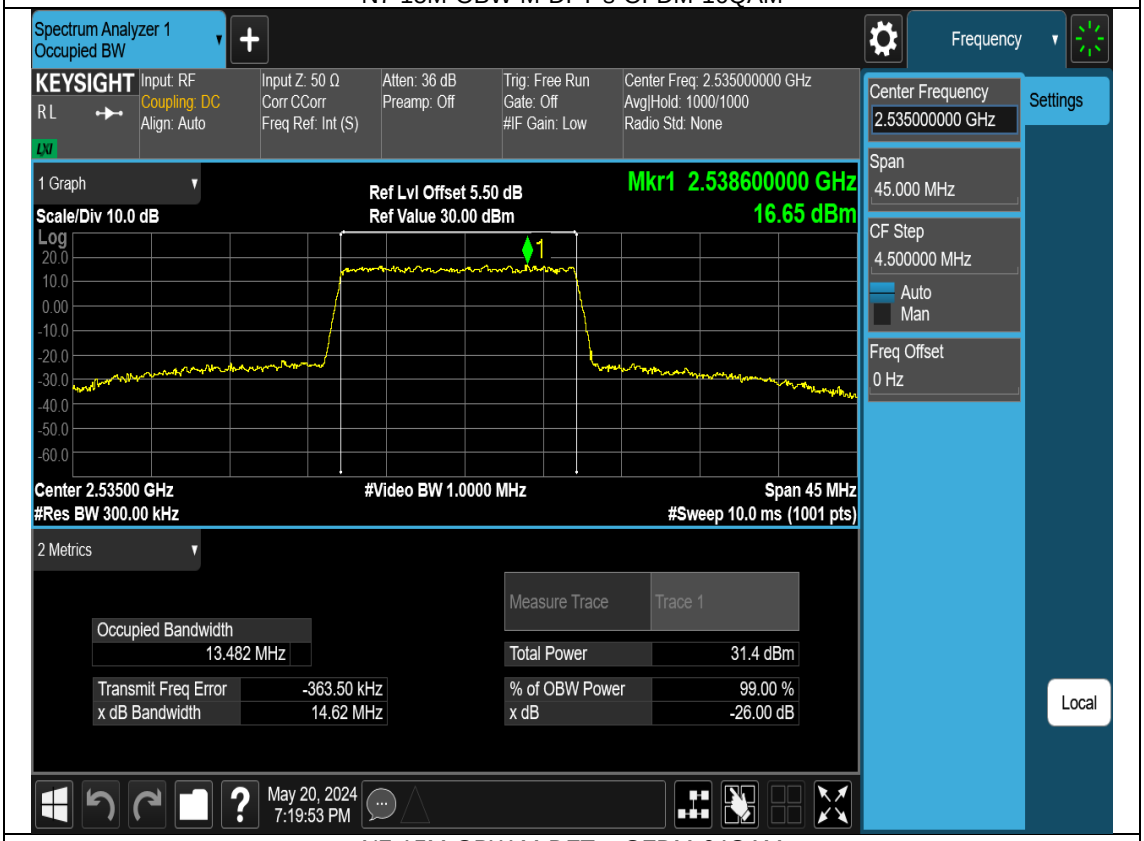
N7-15M-OBW-M-DFT-s-OFDM-16QAM



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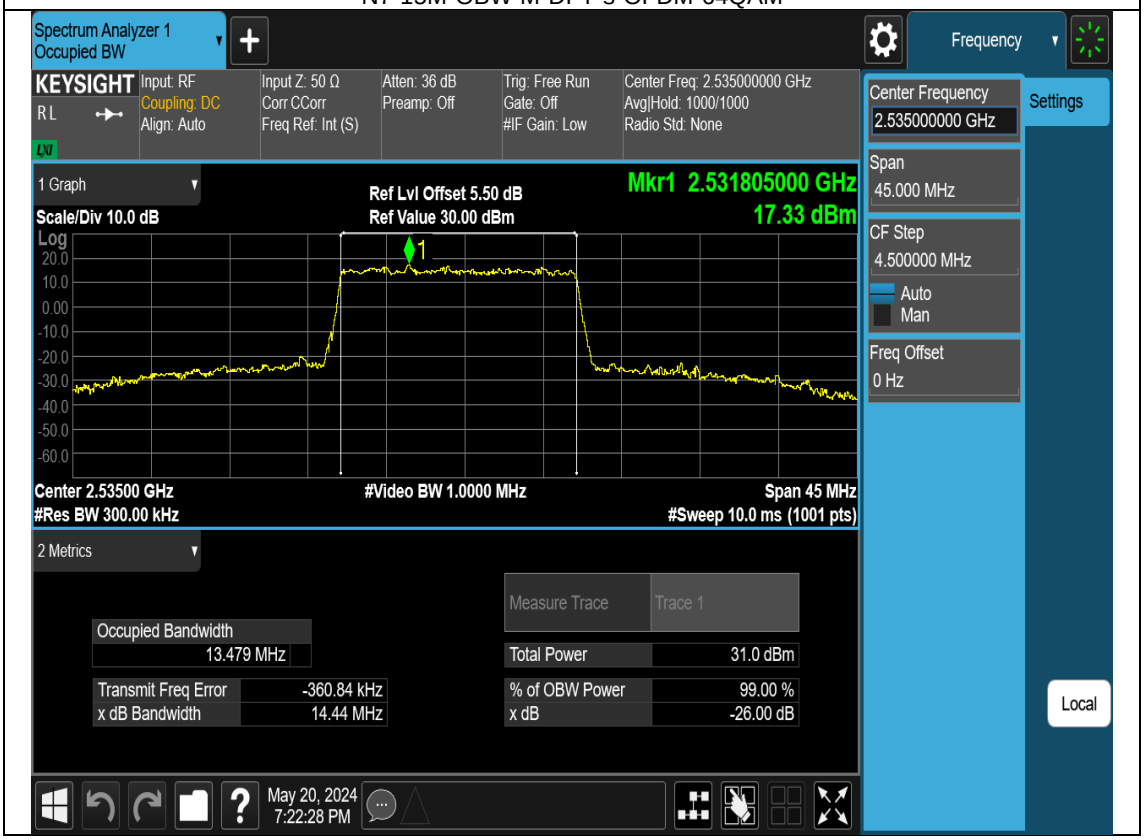

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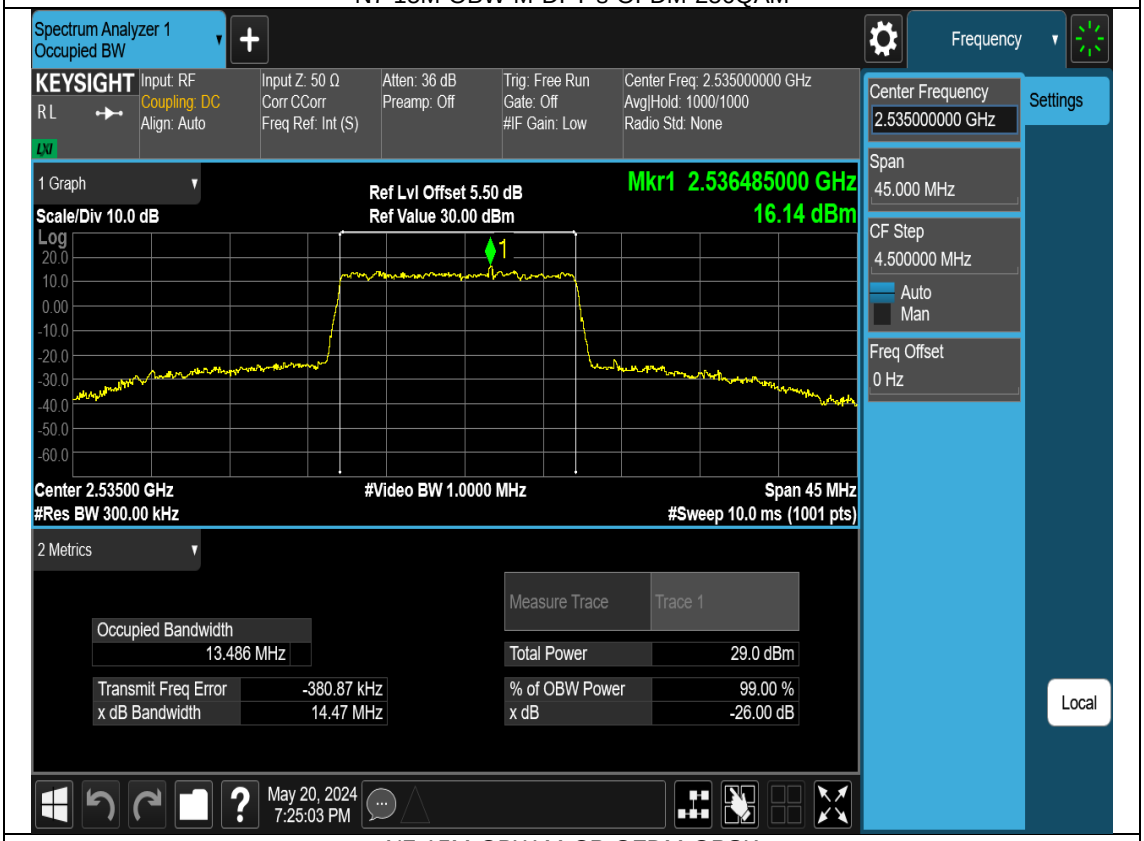

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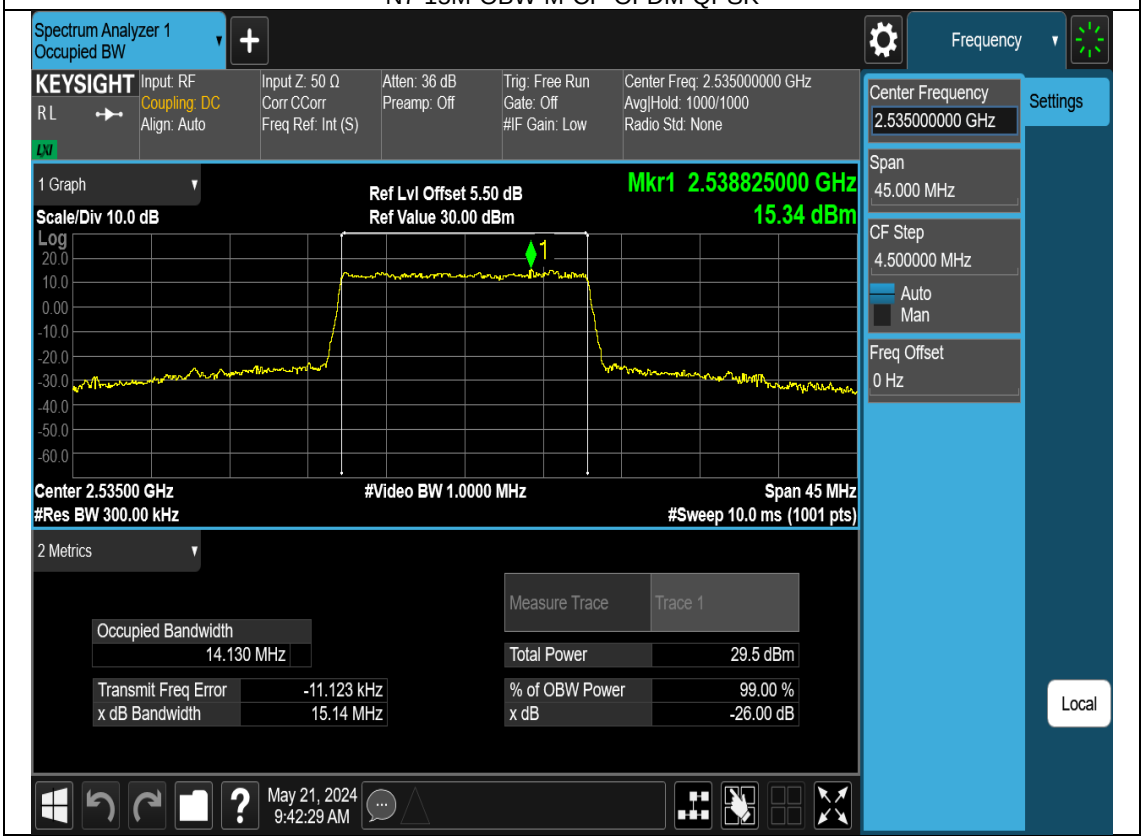

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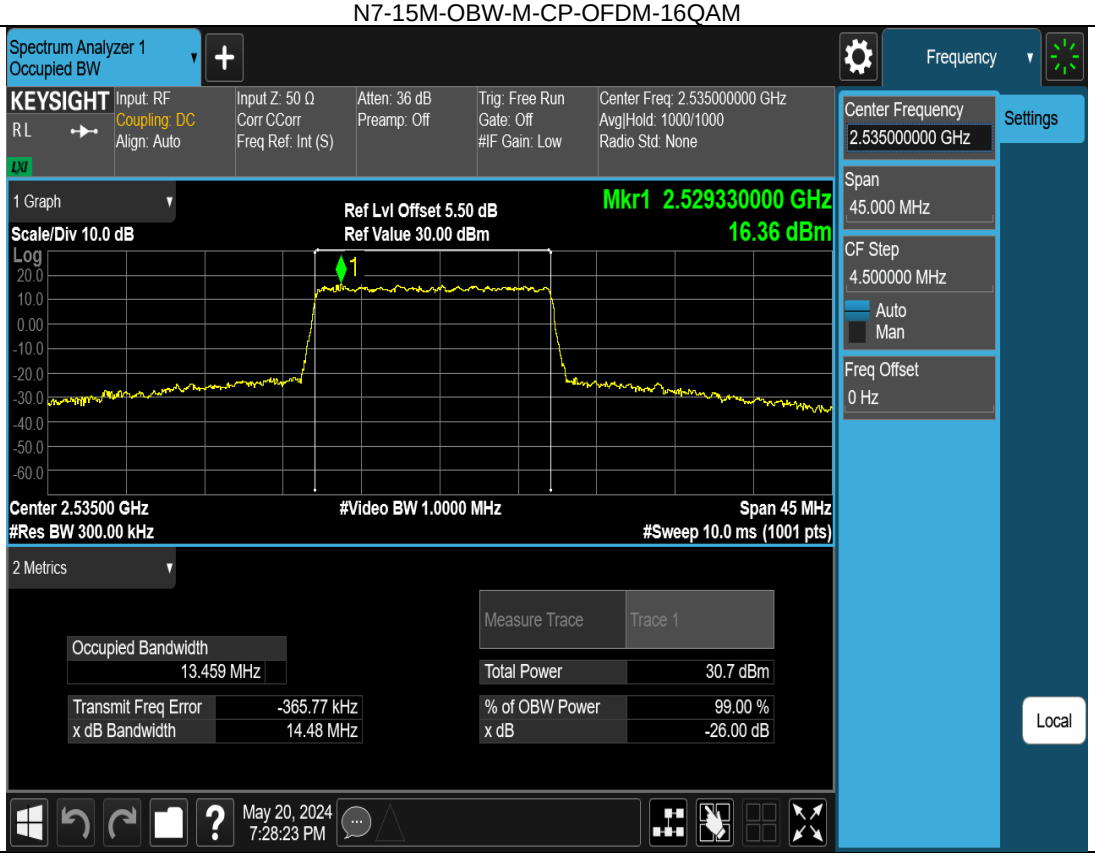

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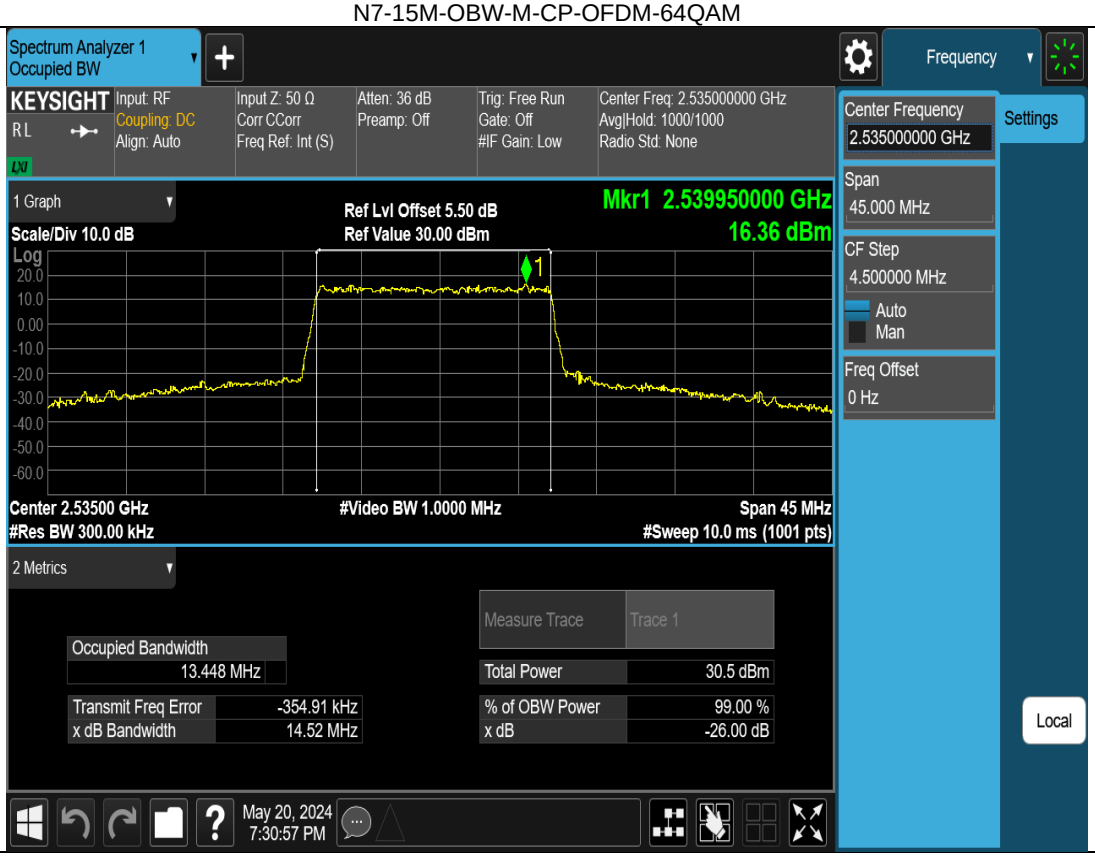

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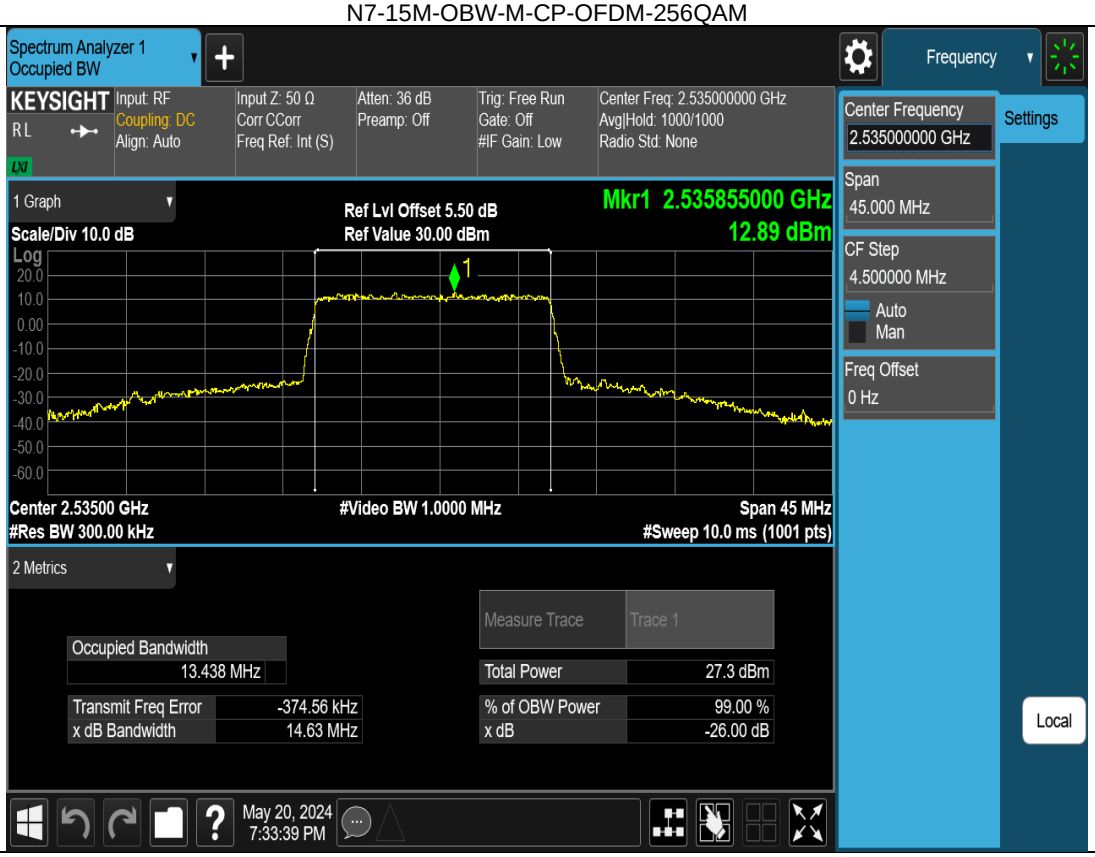
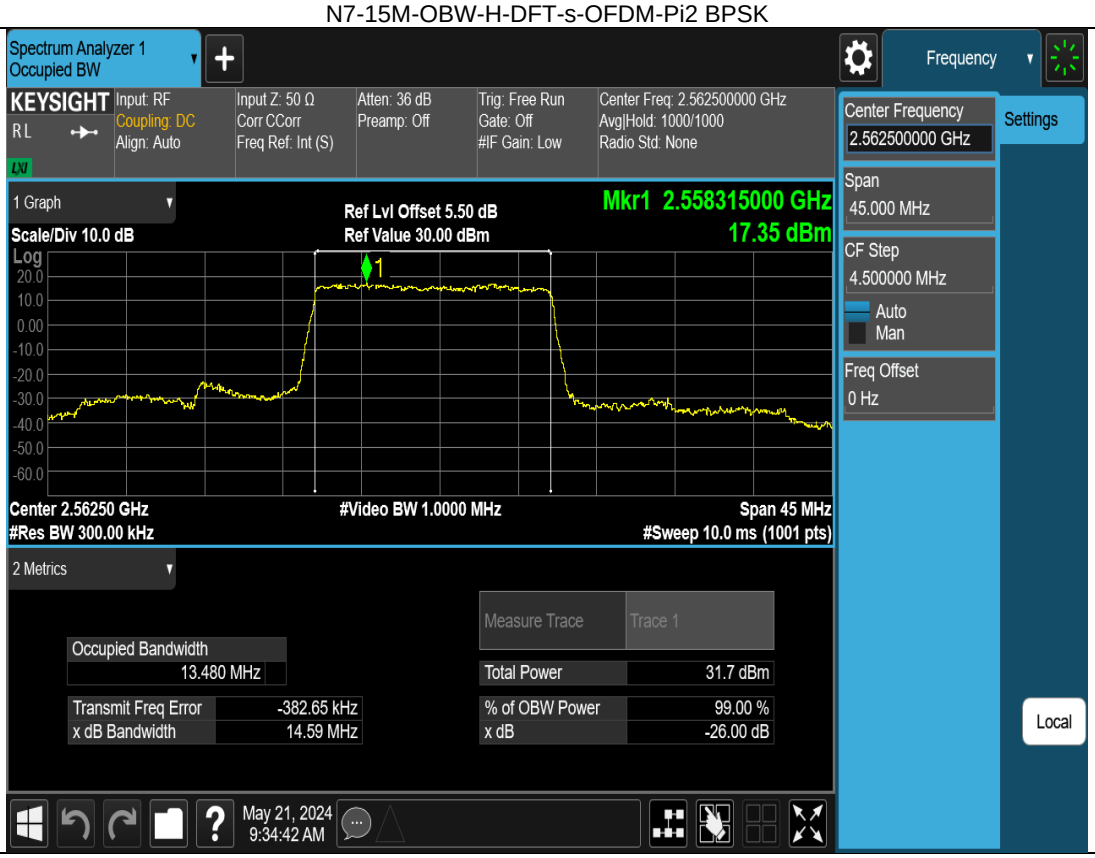


N7-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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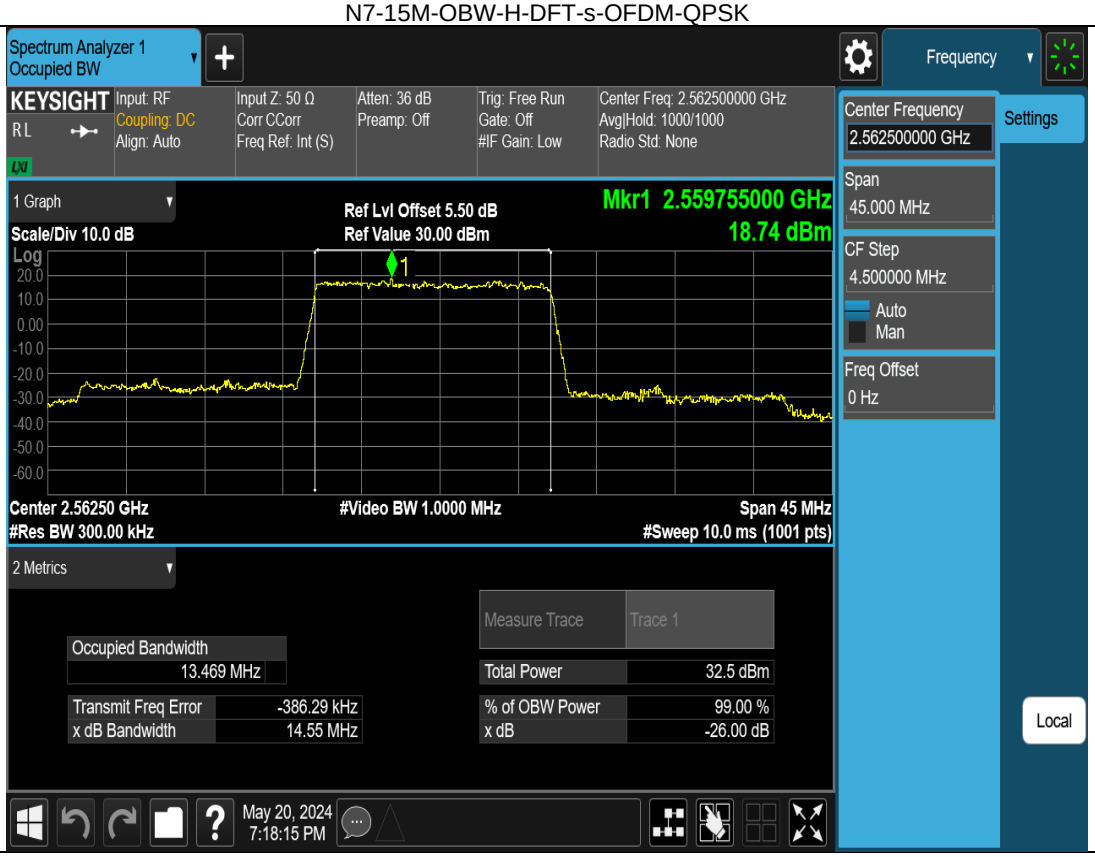

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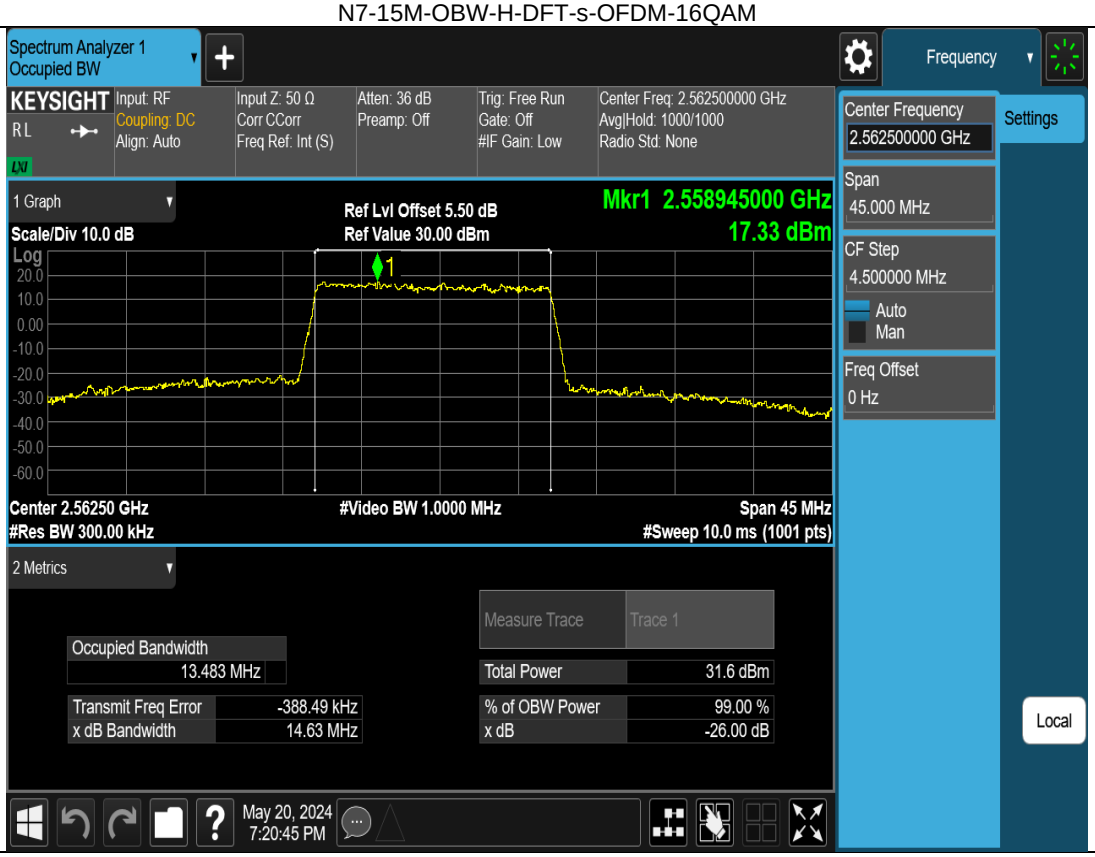

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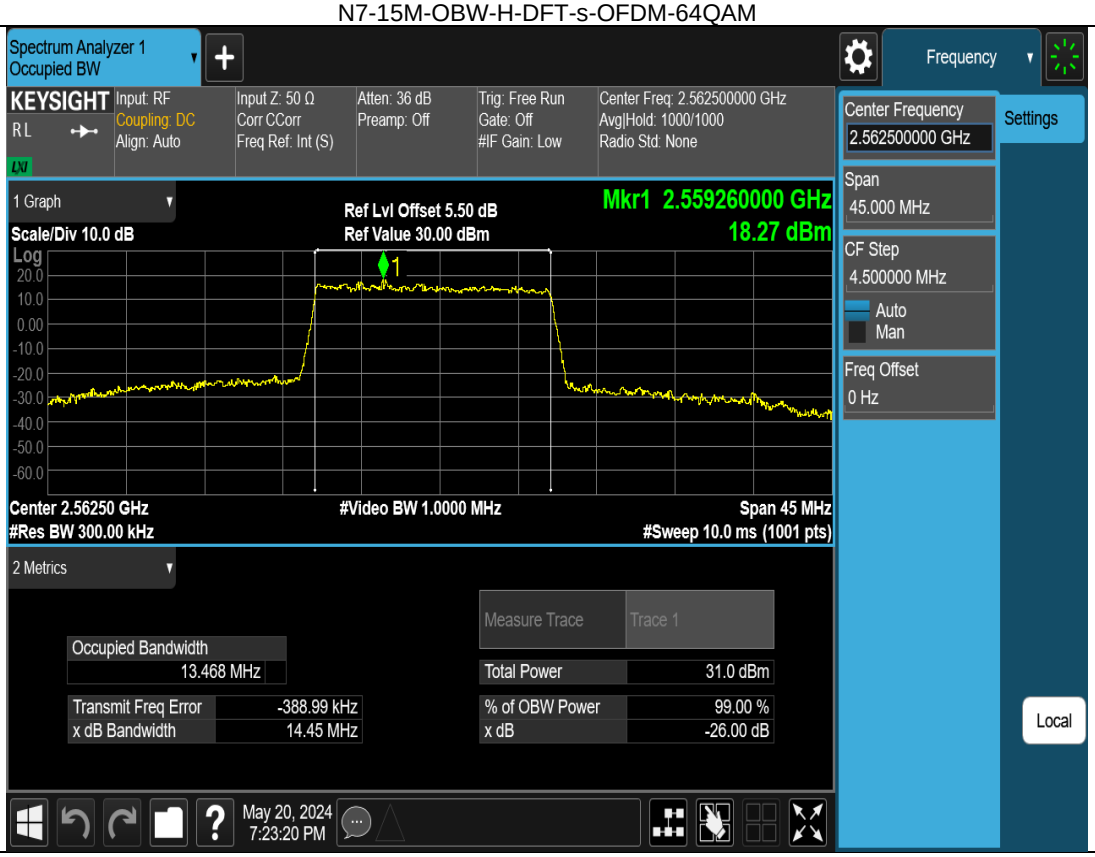

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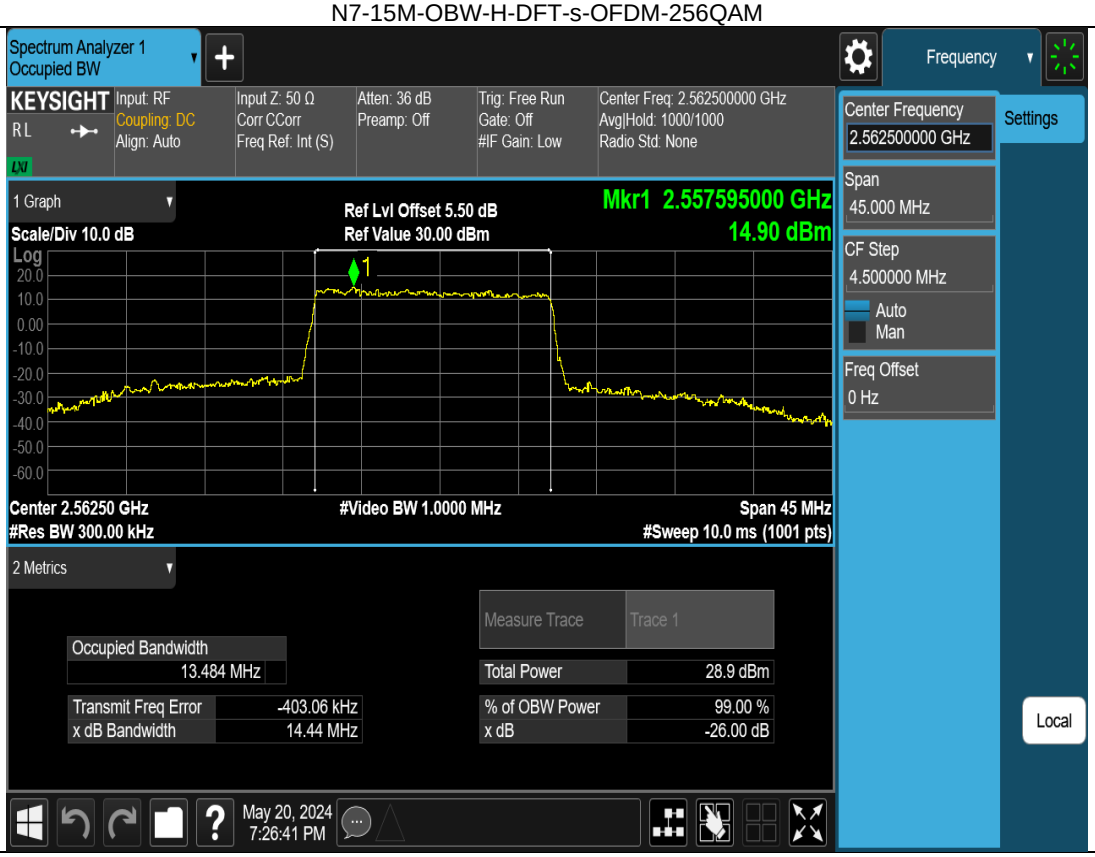

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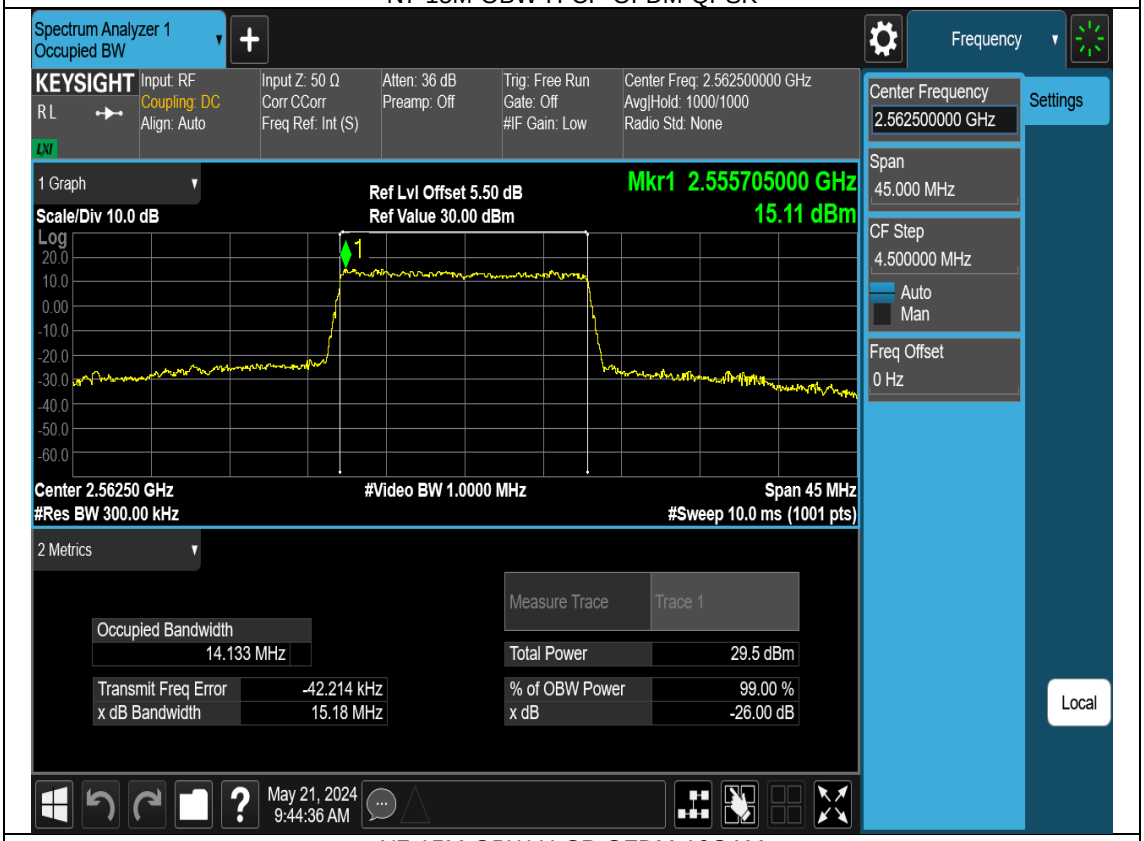

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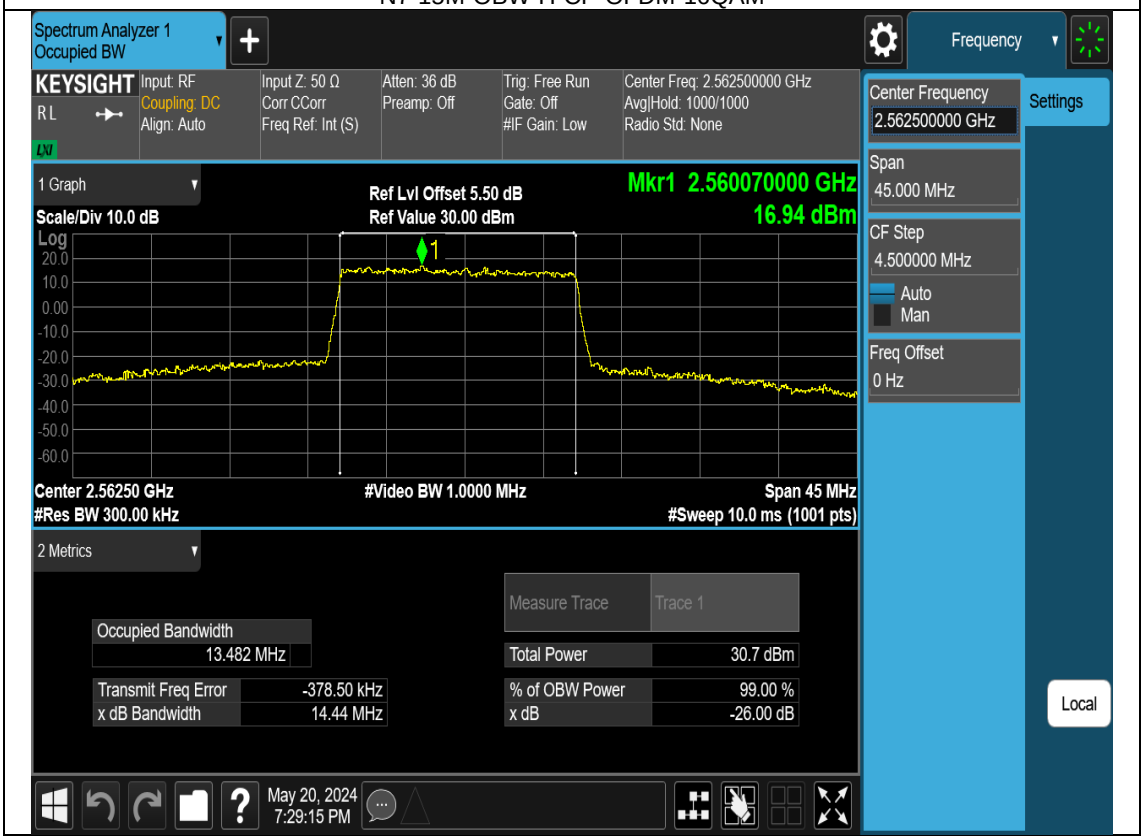

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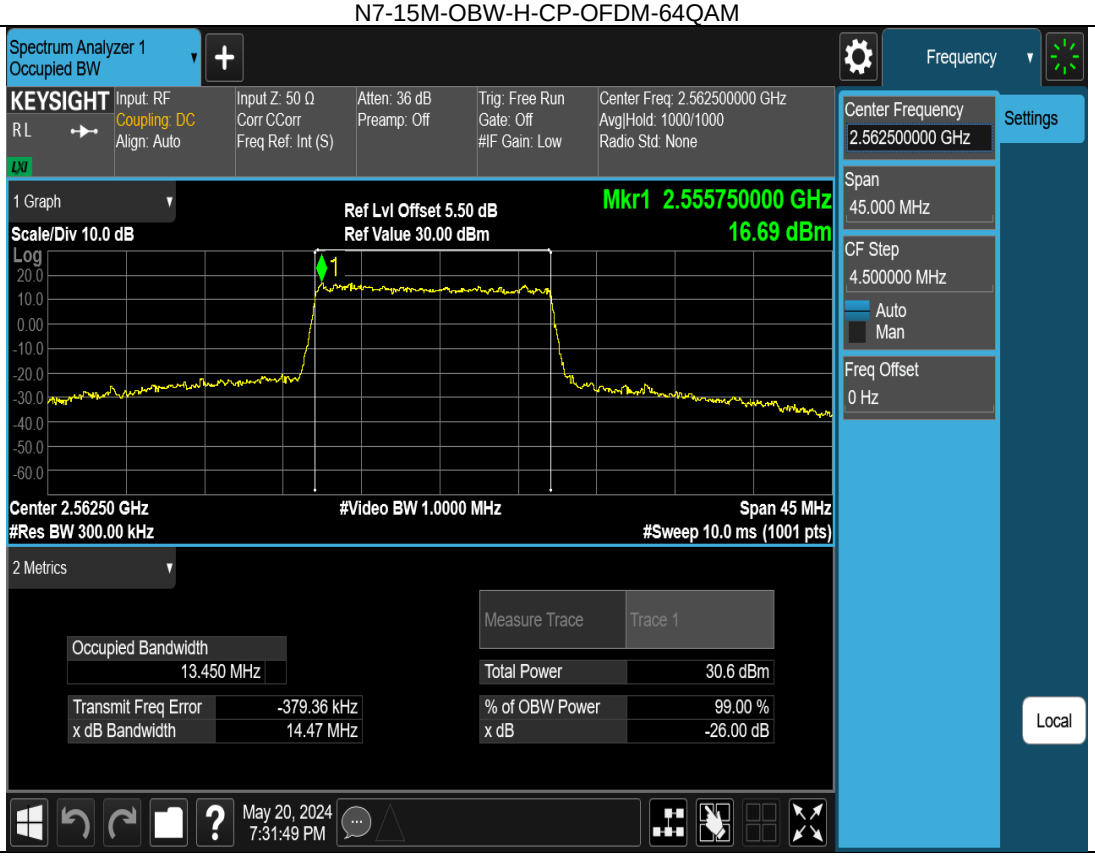

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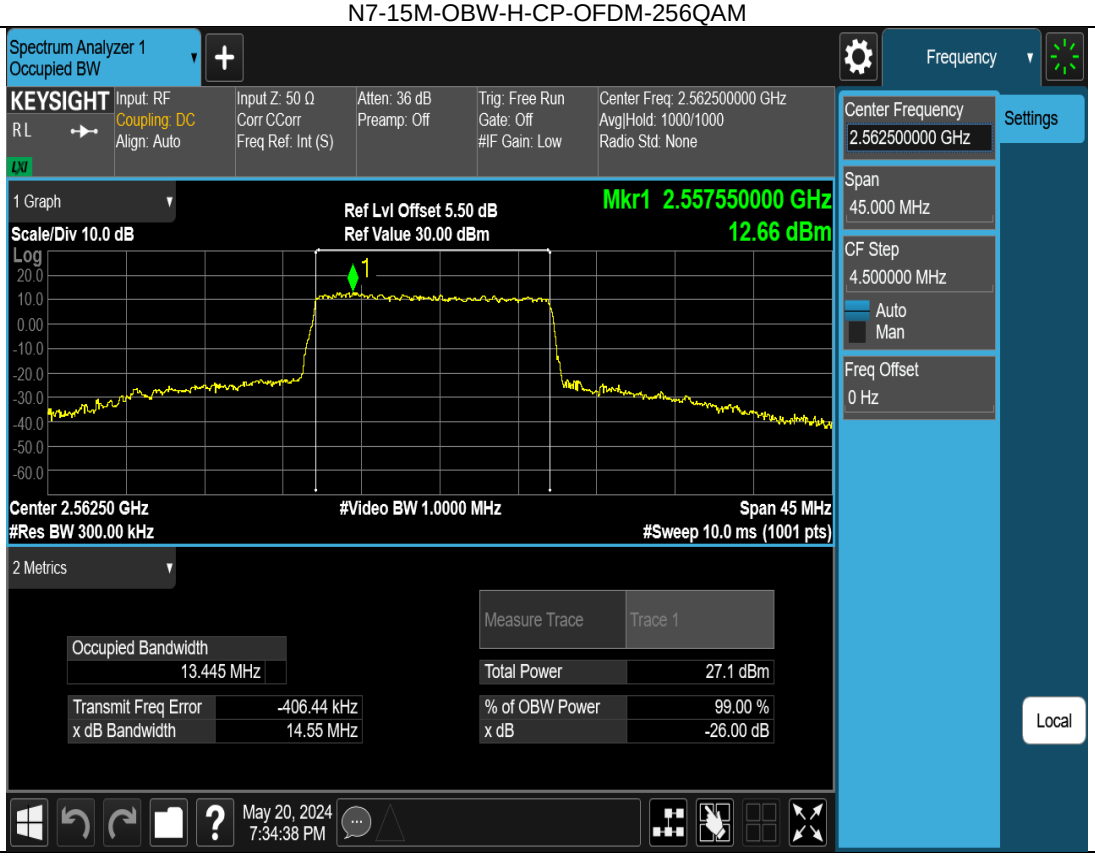
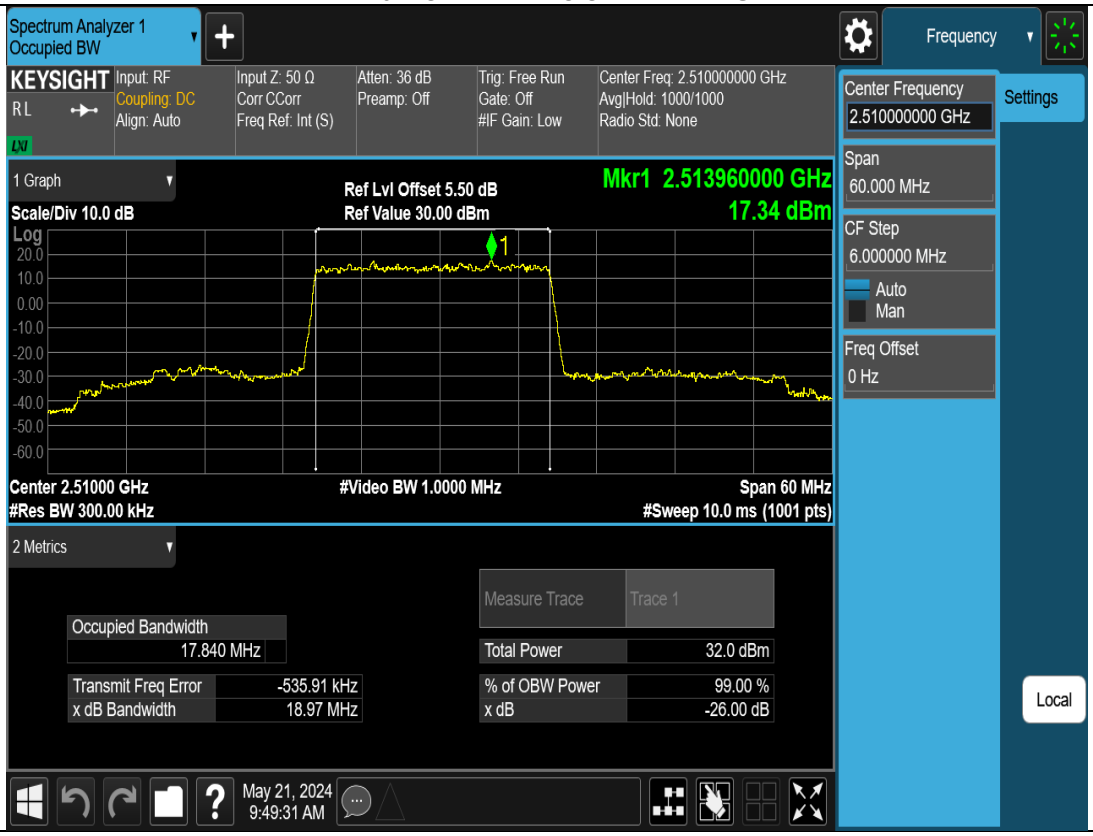


N7-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



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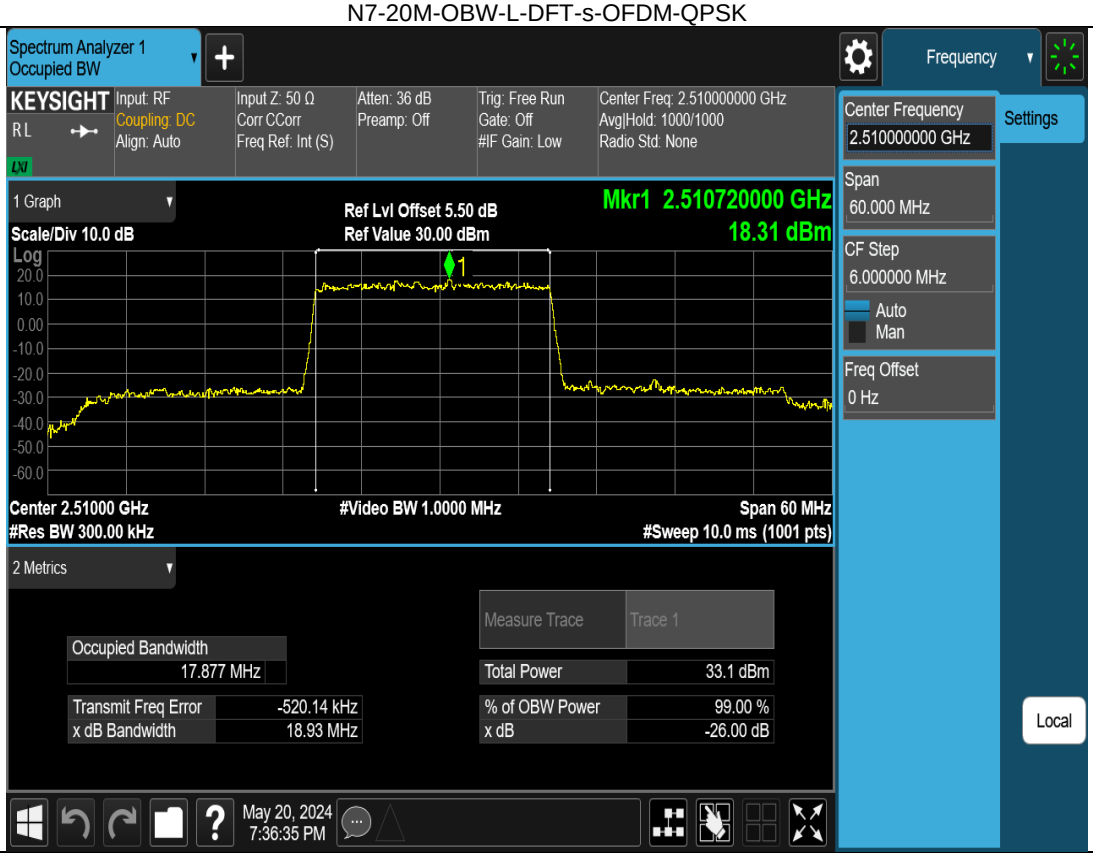

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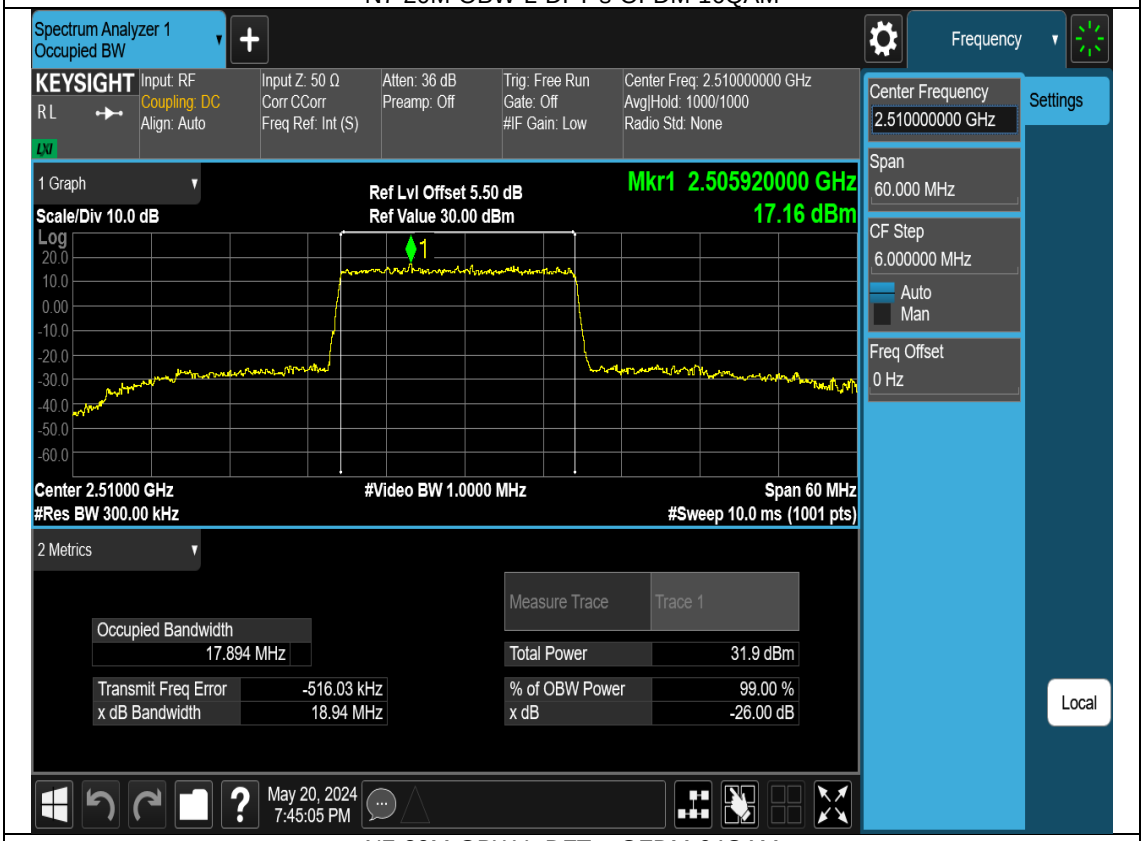

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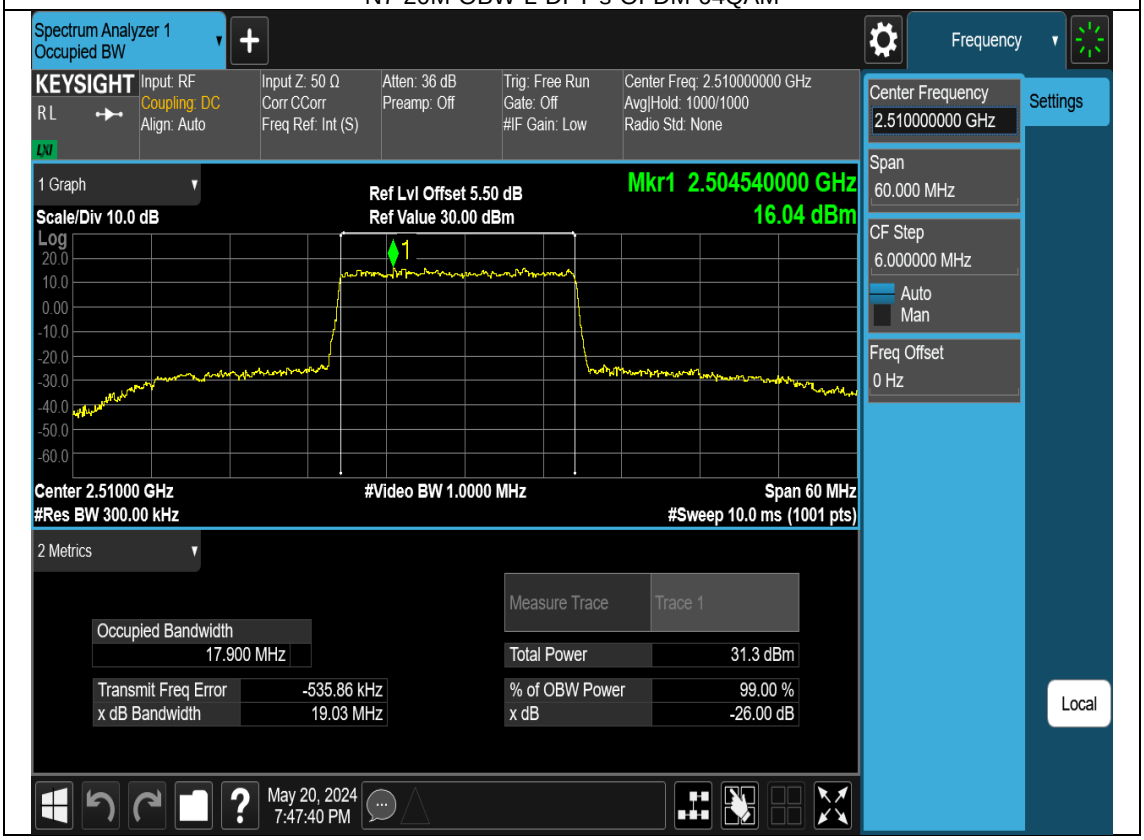

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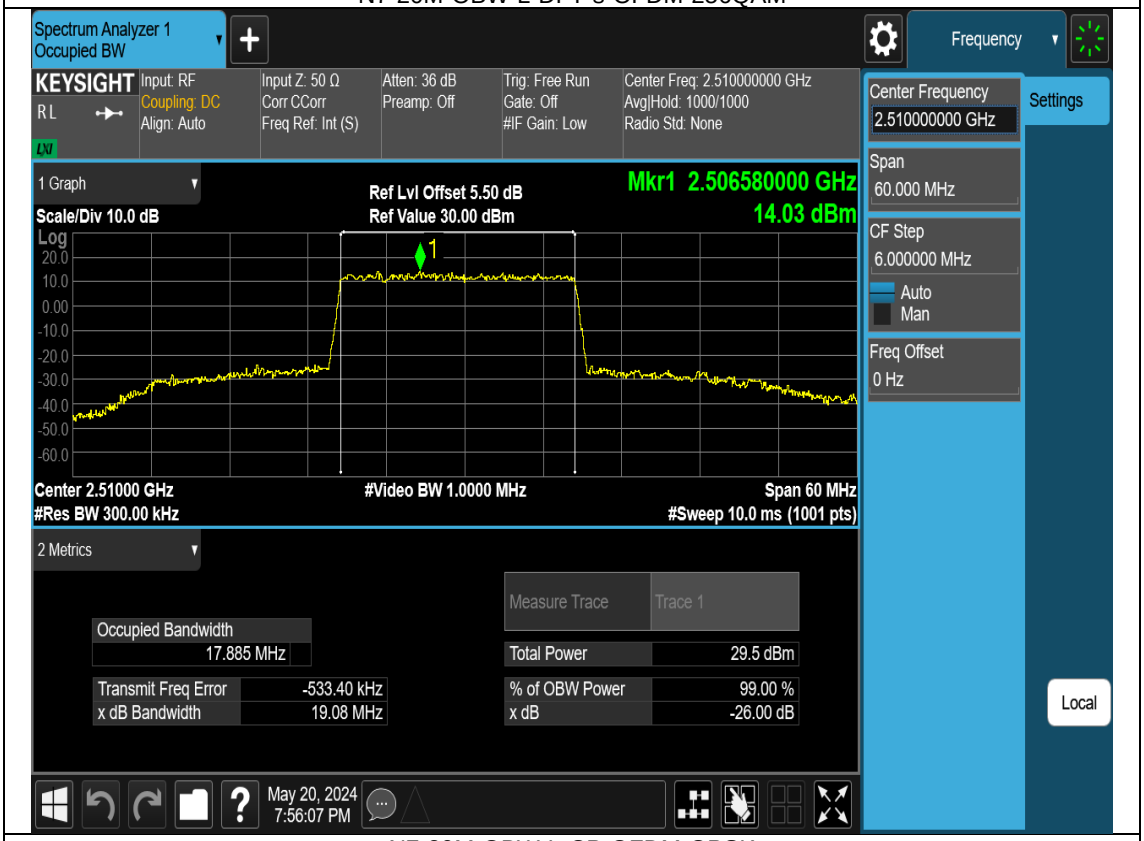

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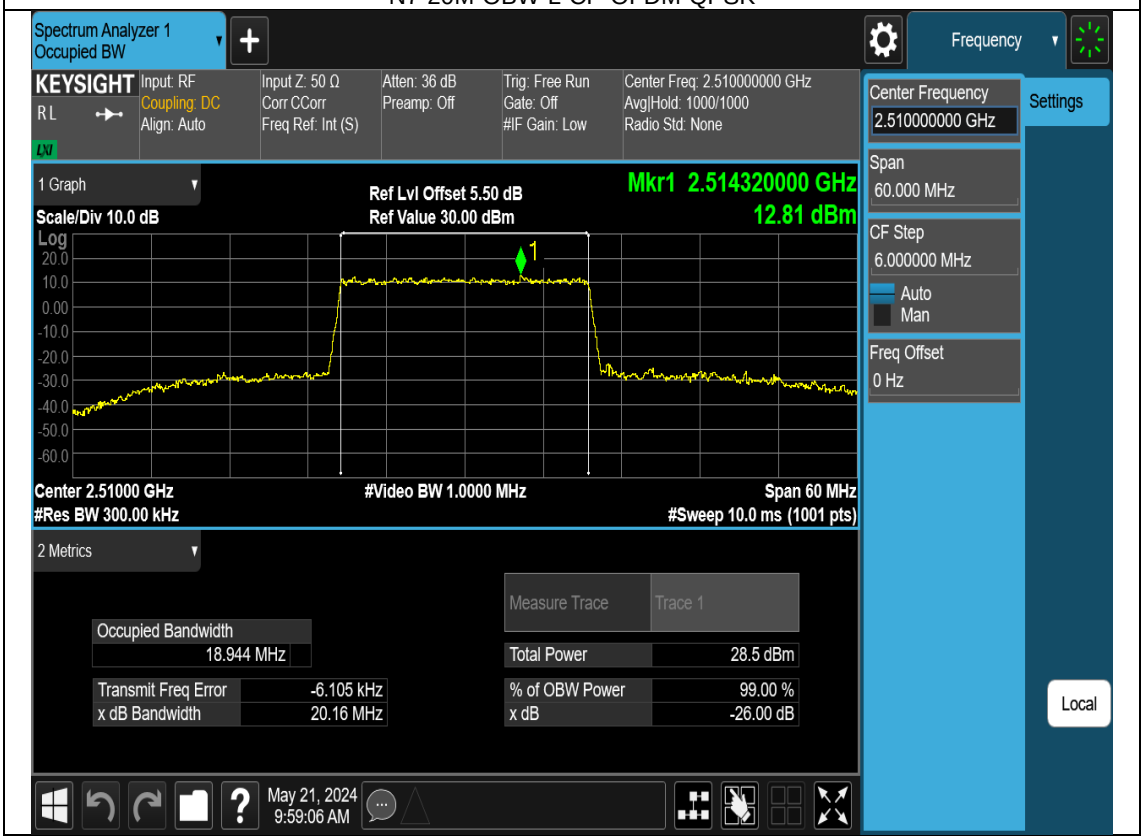

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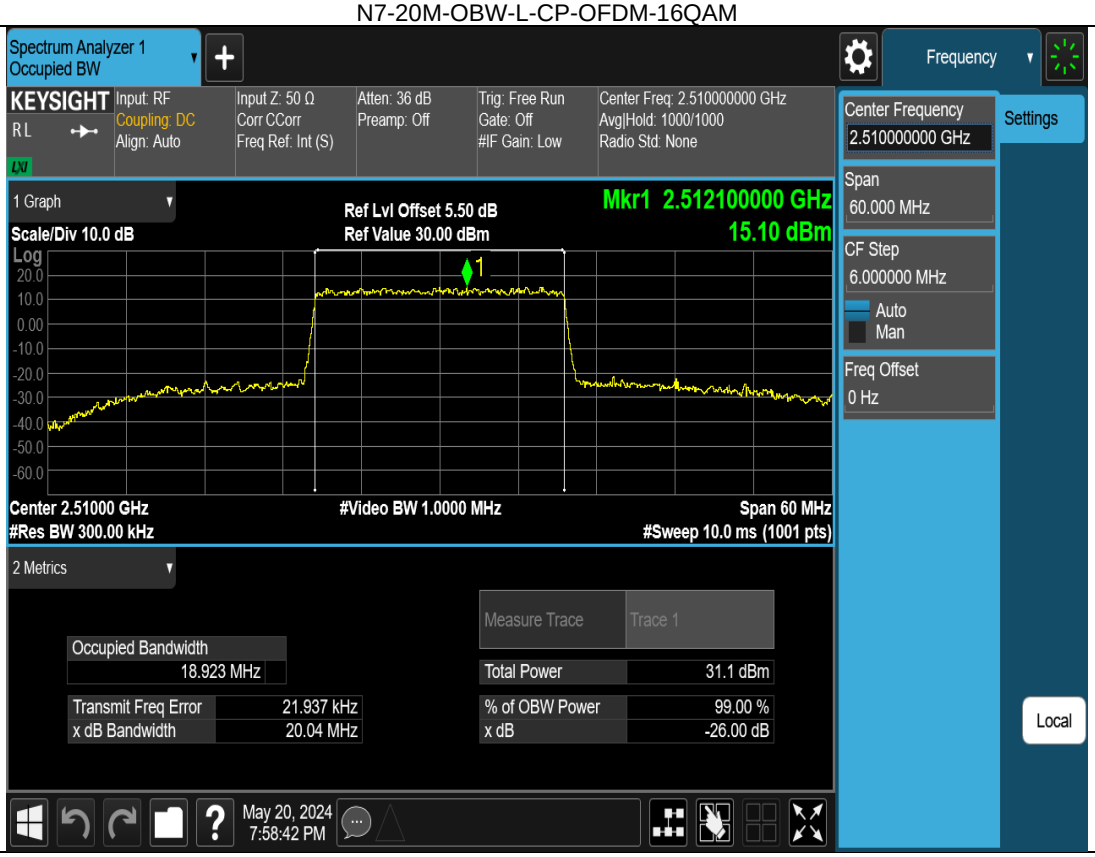

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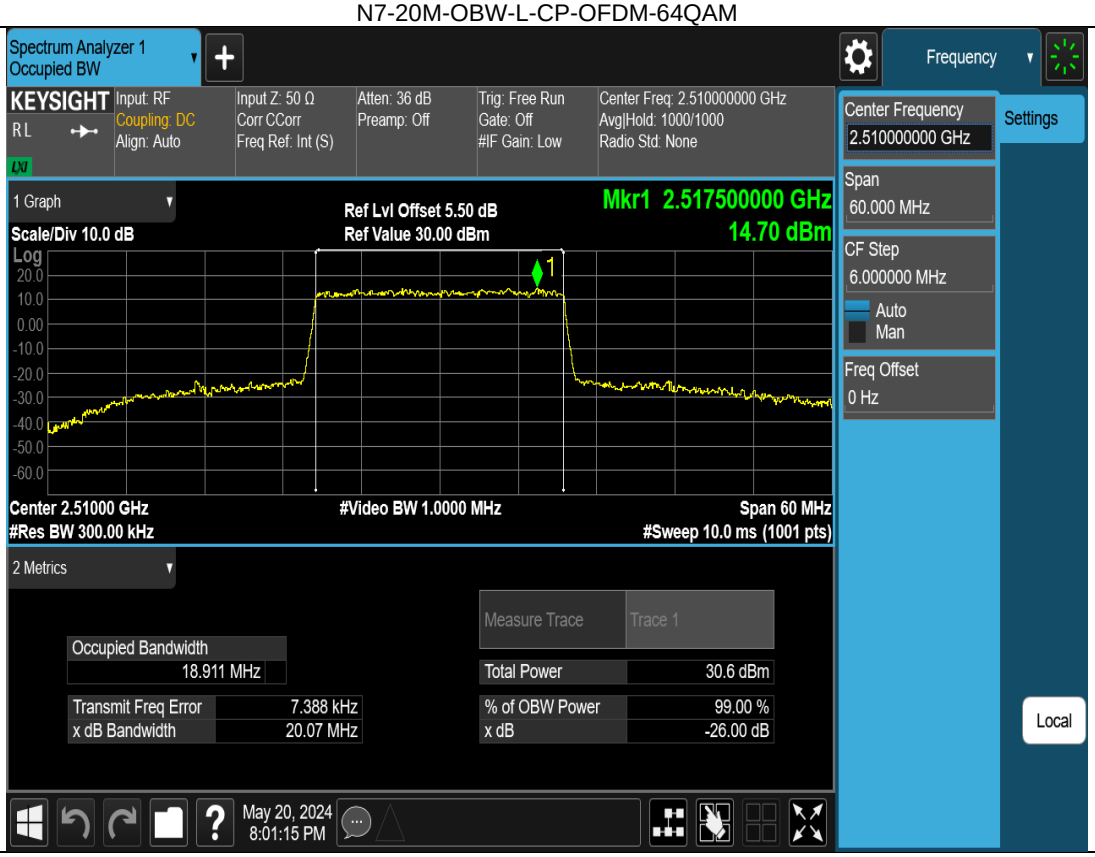

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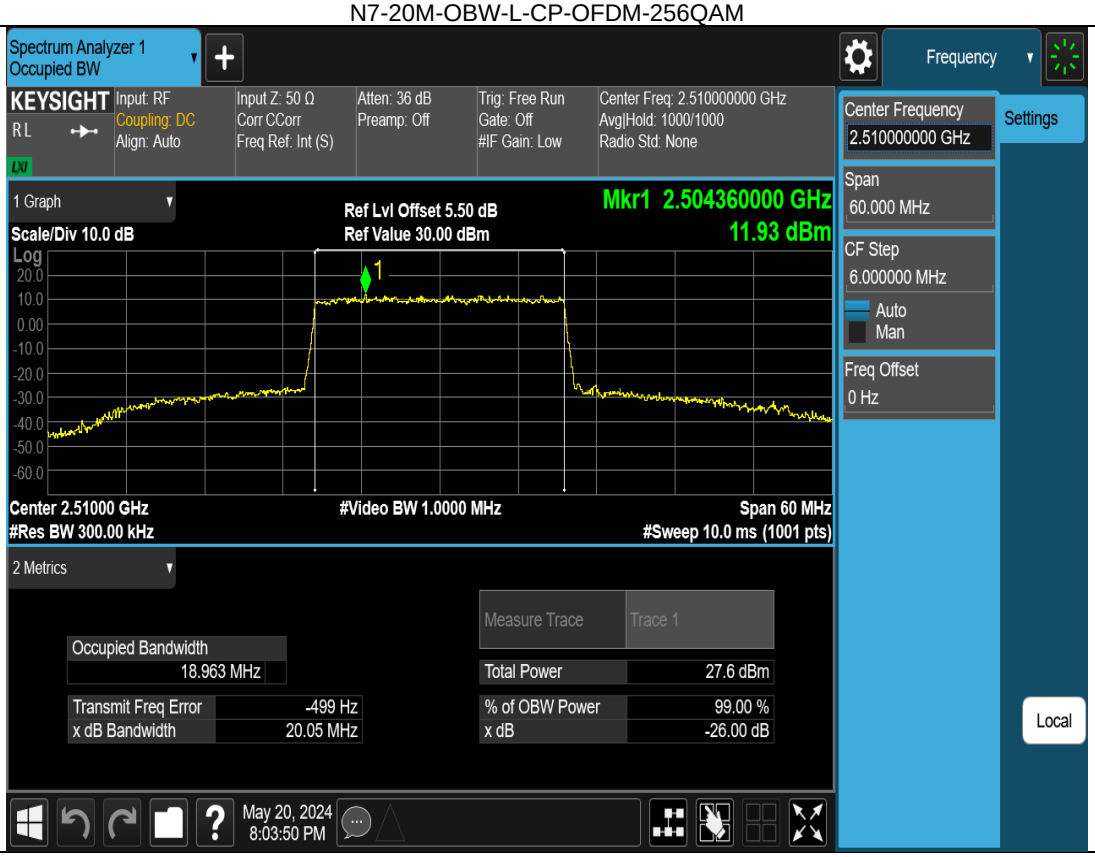
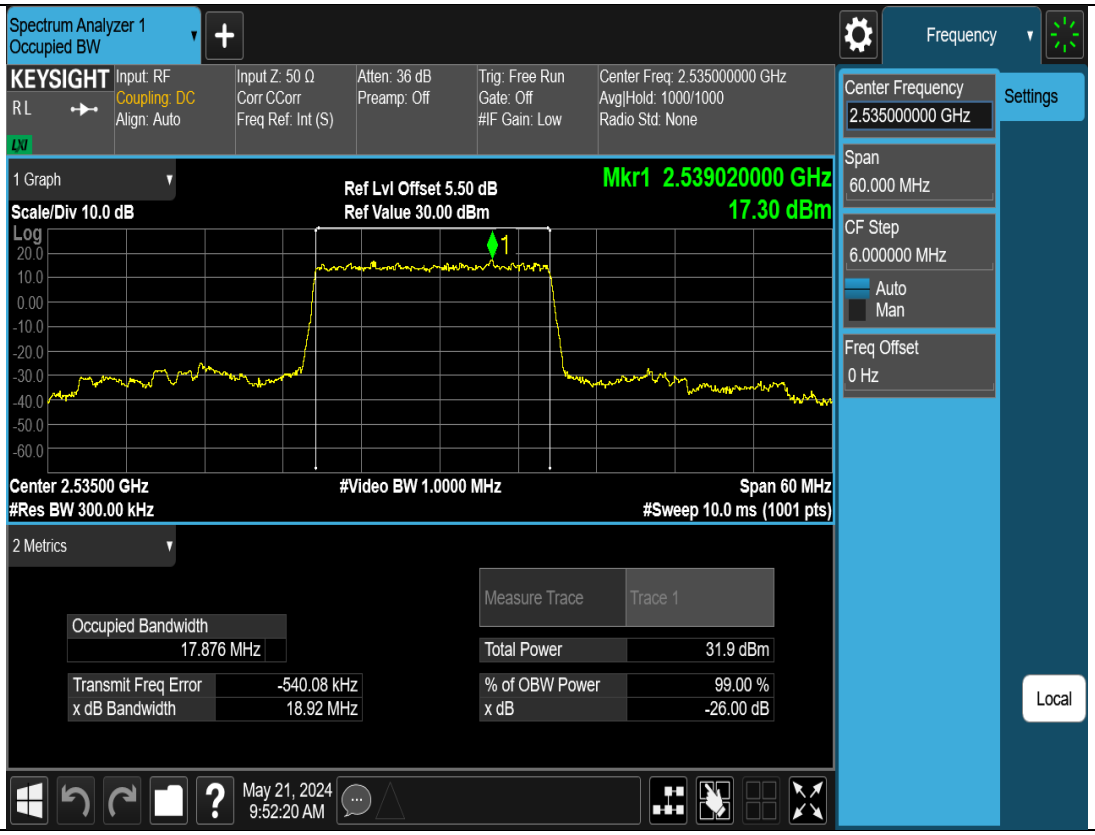


N7-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



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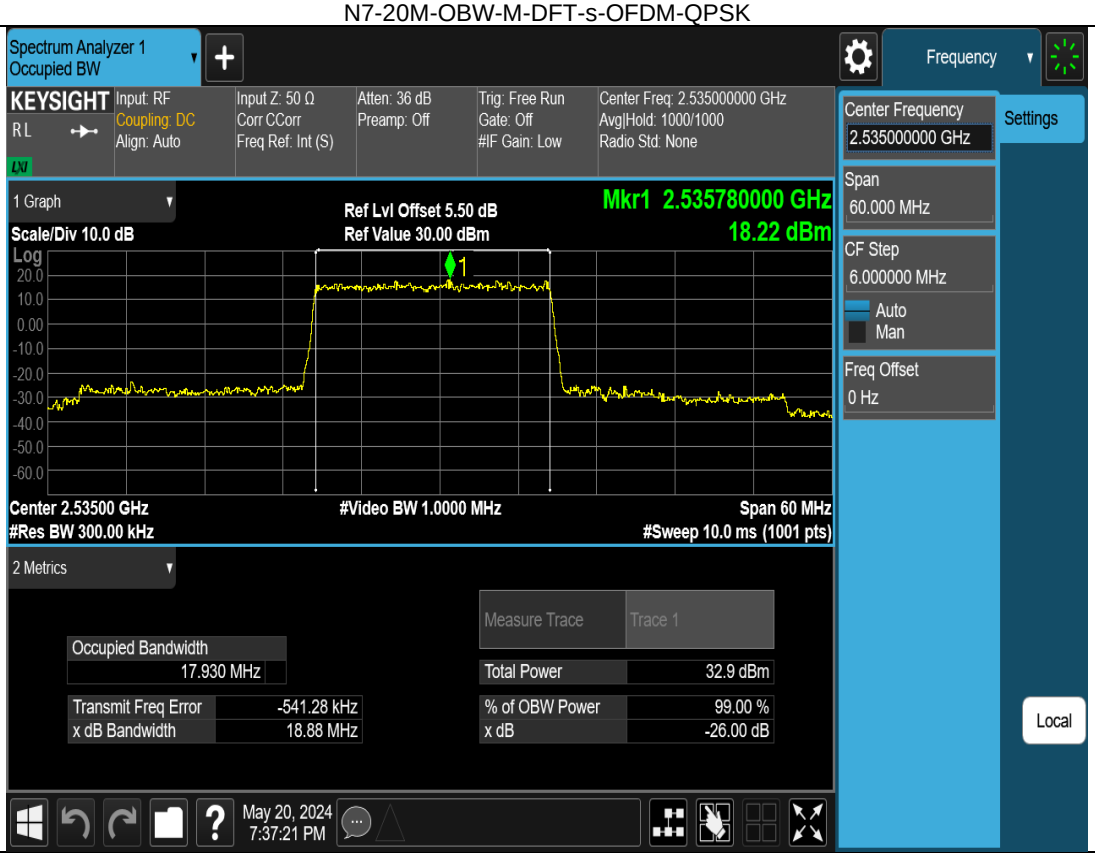

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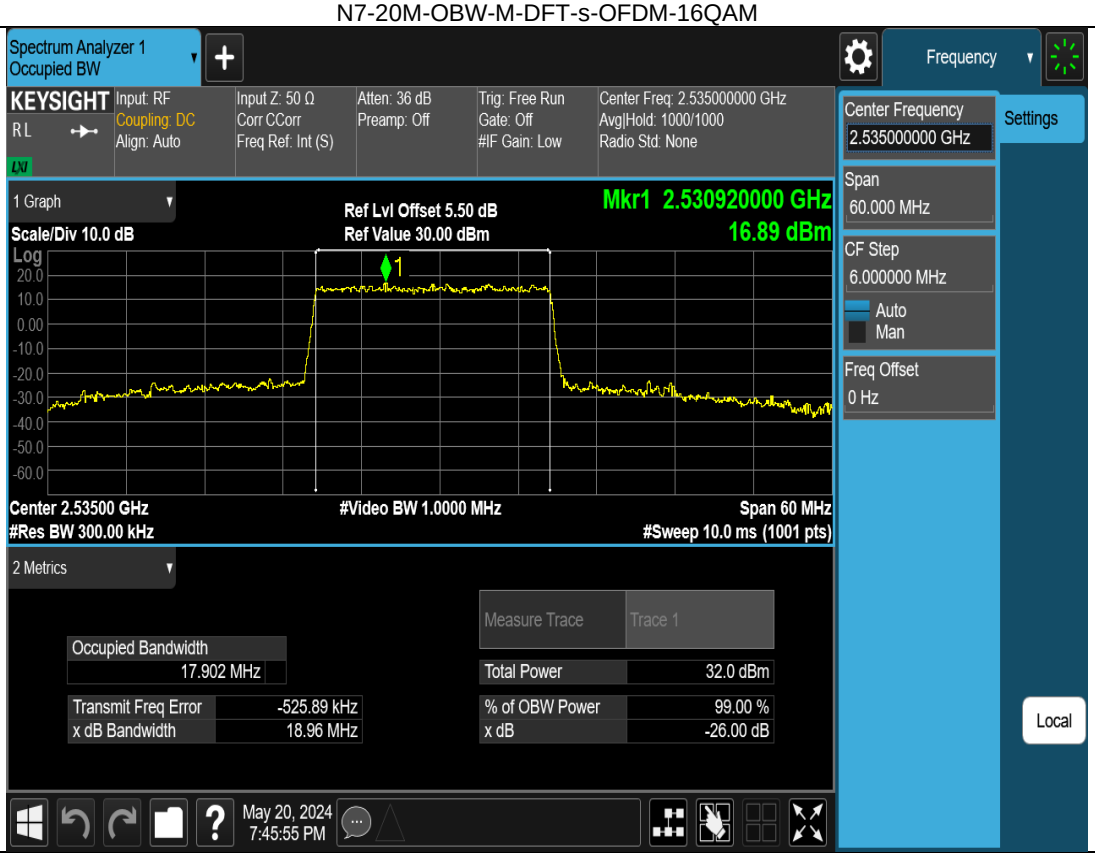

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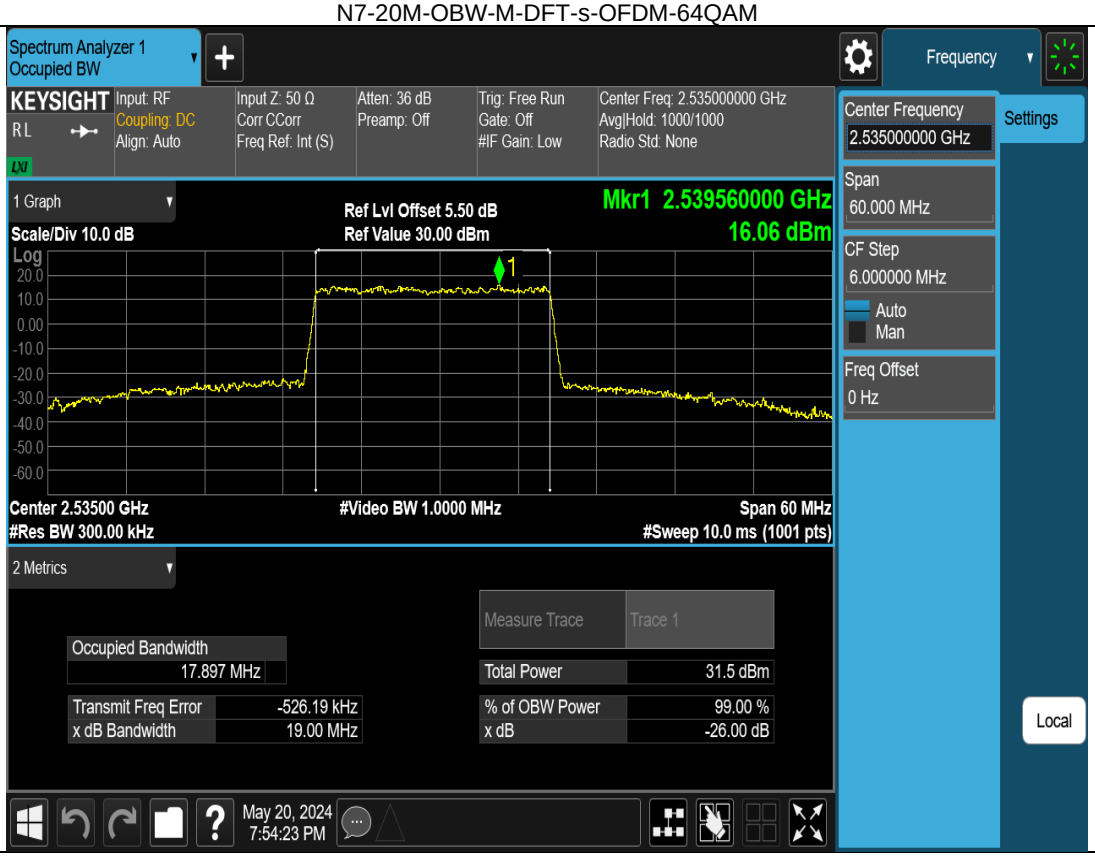

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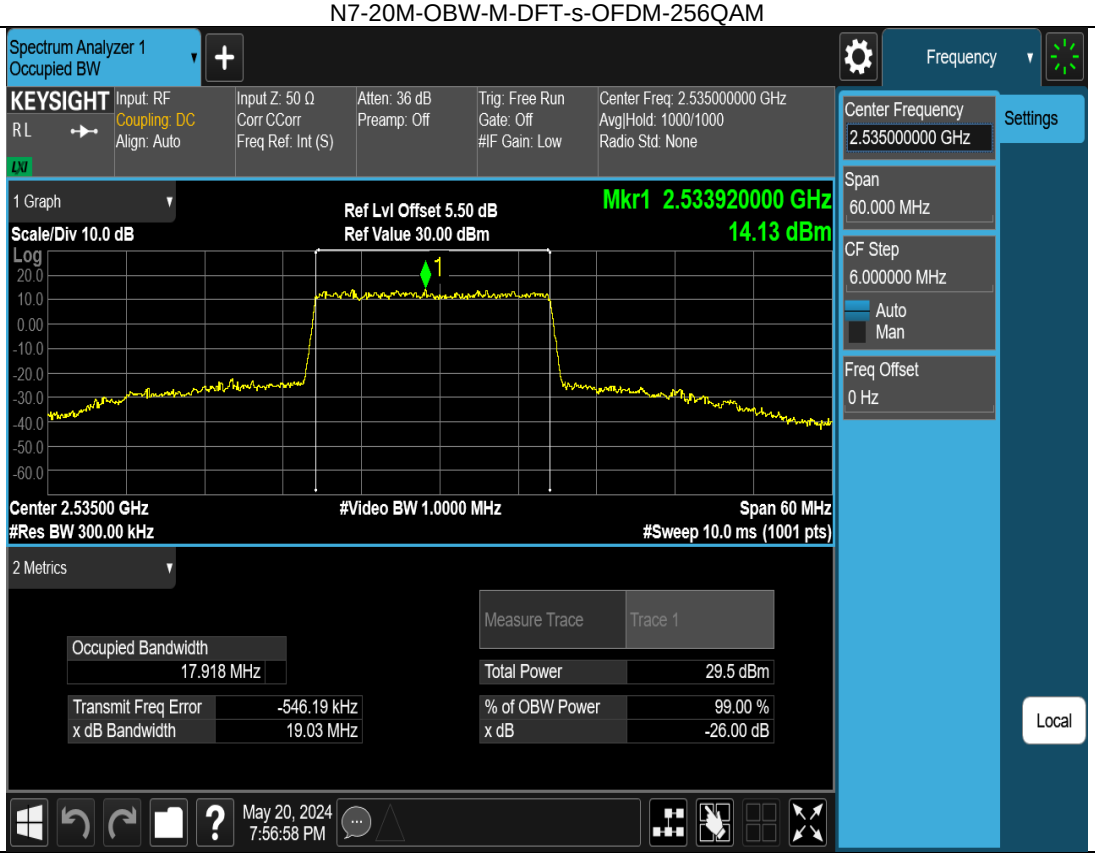

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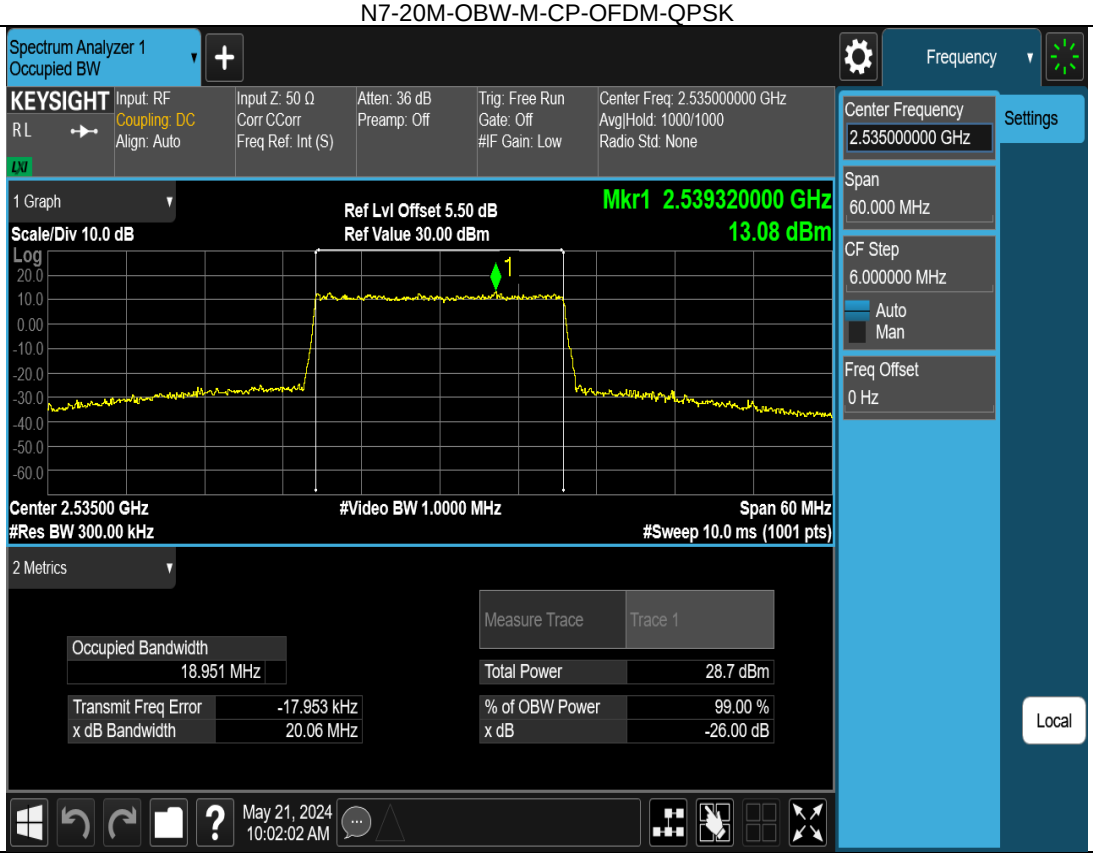

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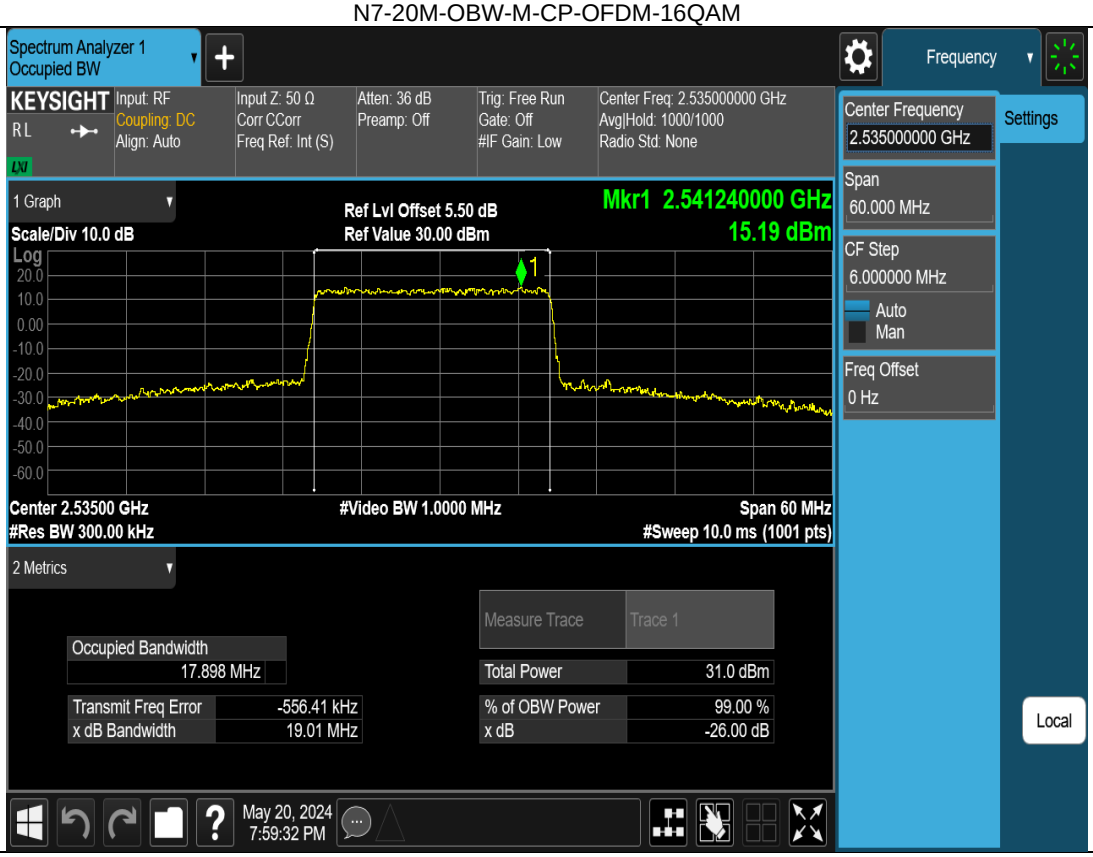

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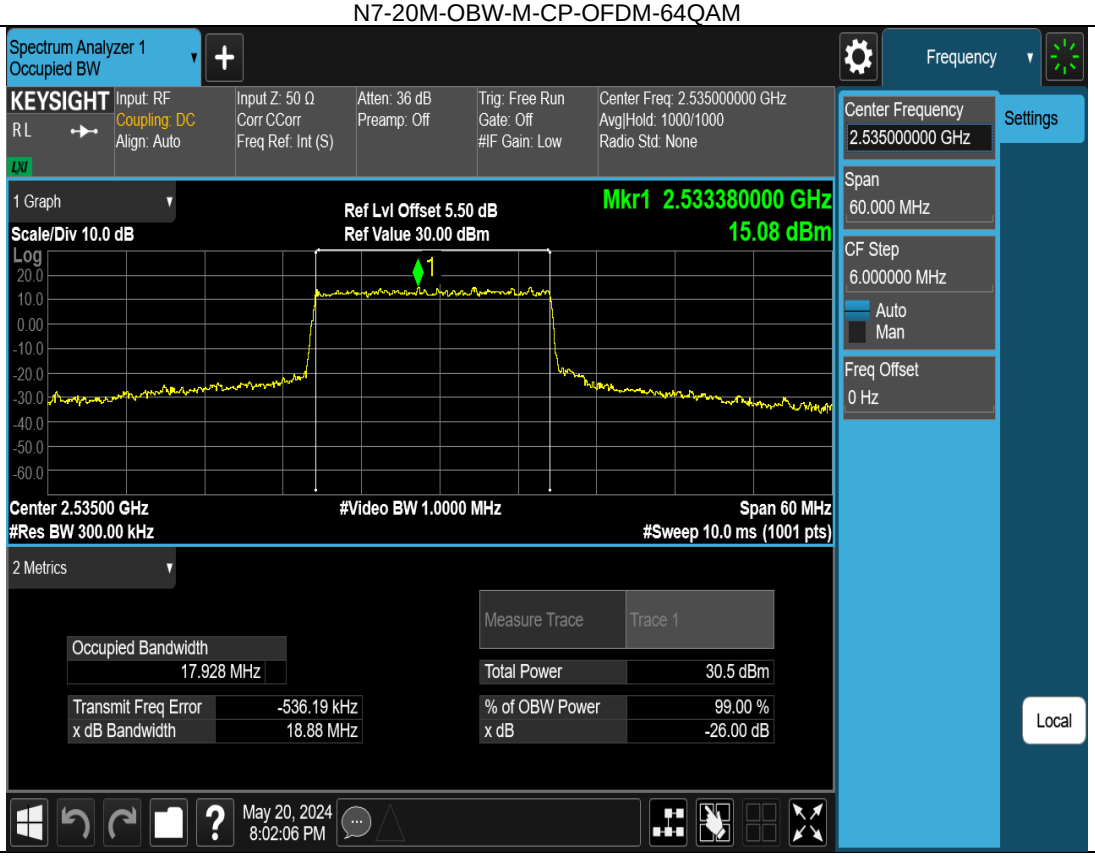

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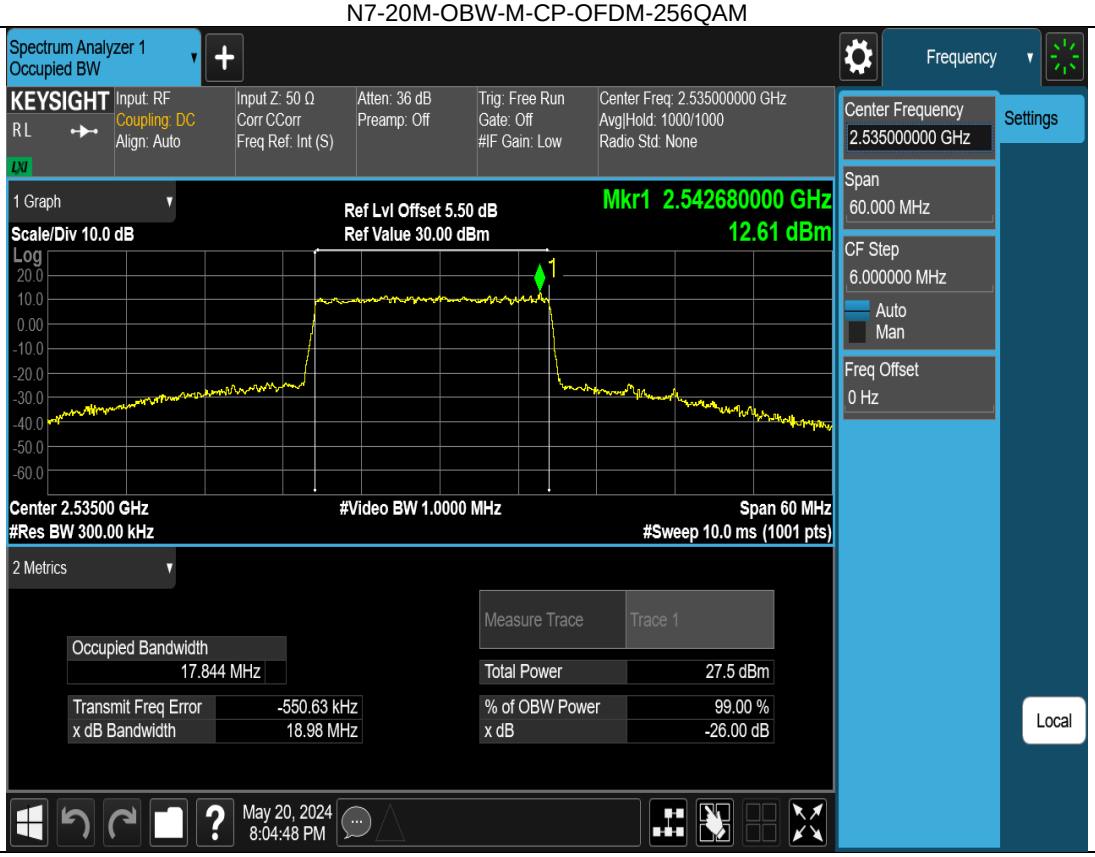
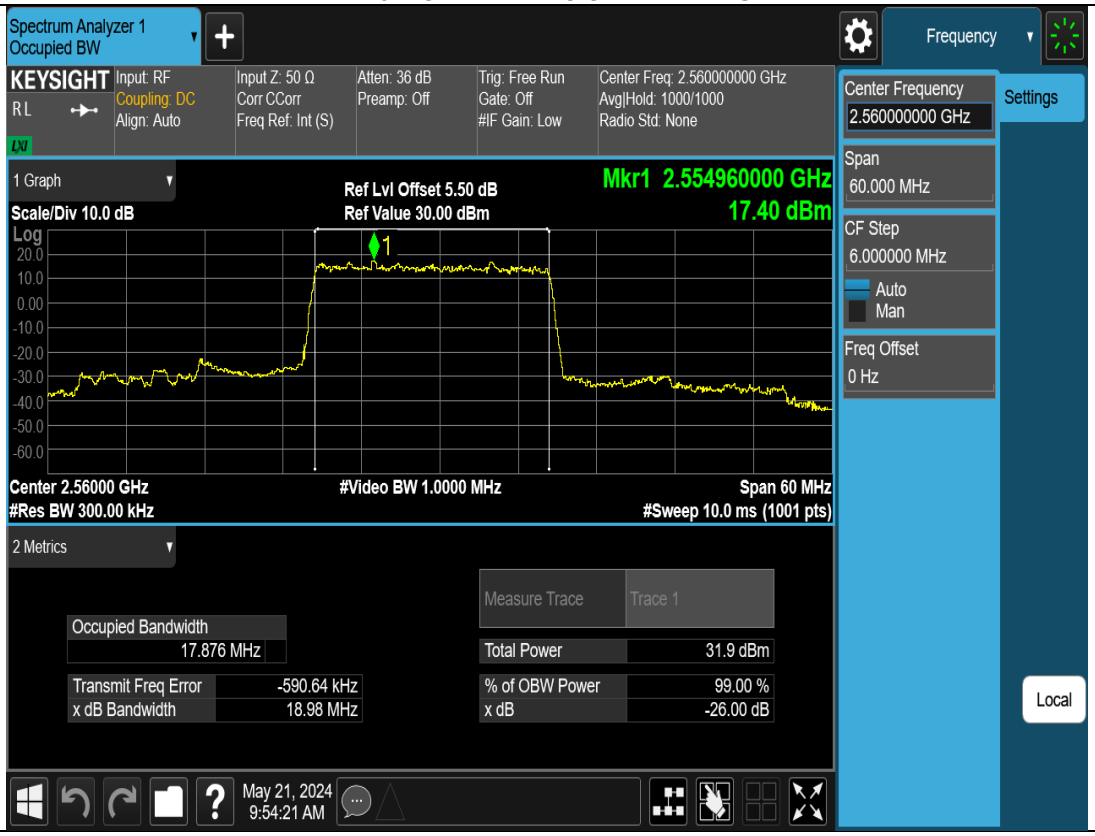


N7-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



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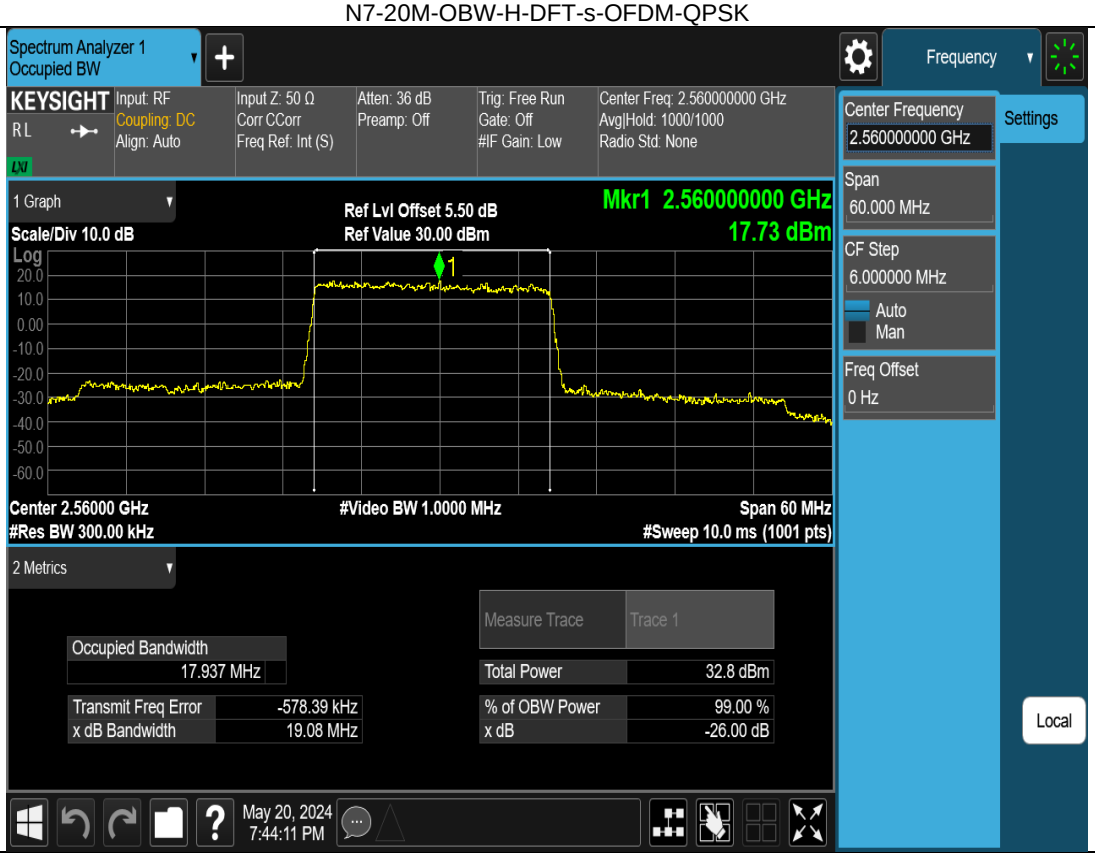

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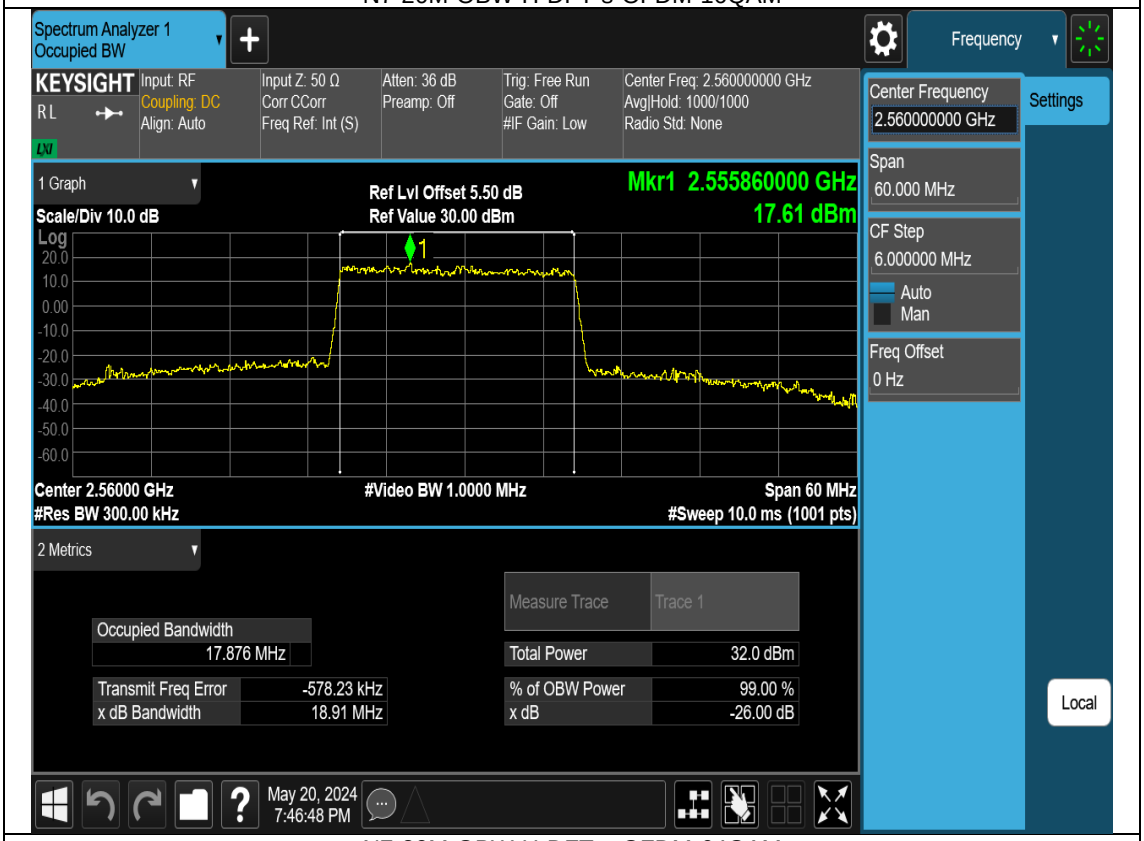

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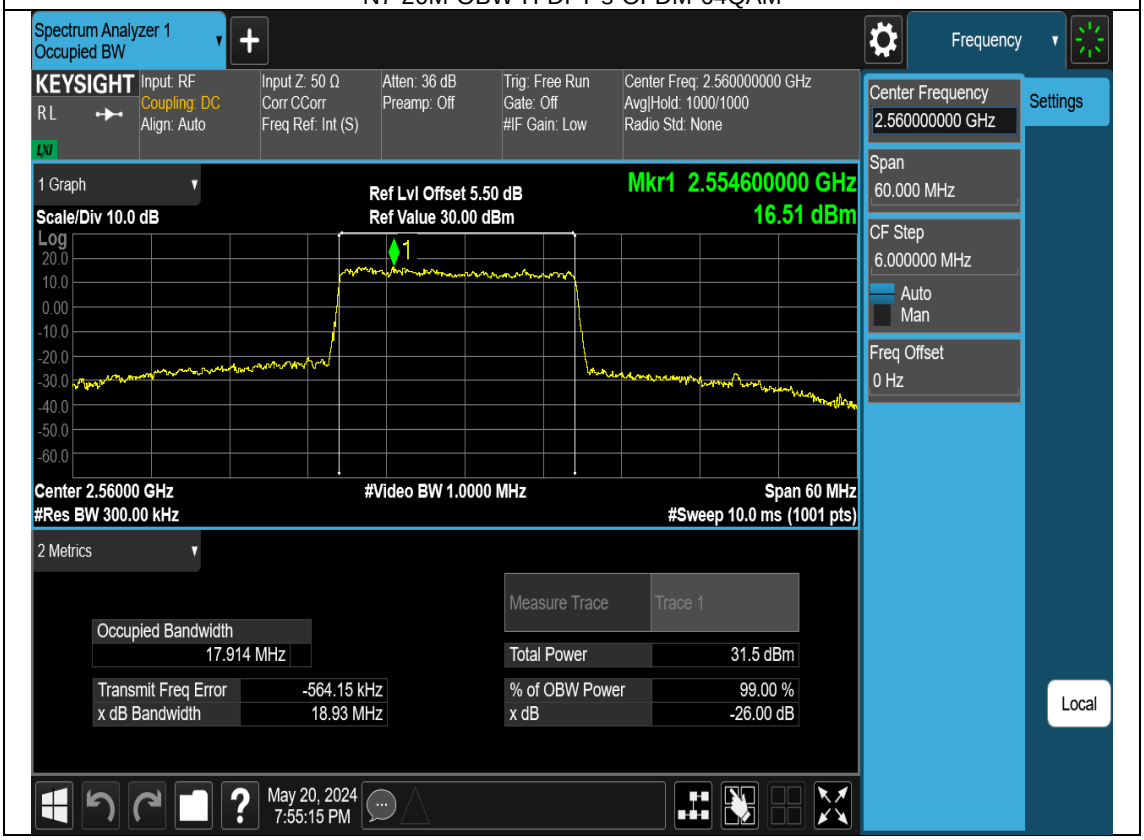

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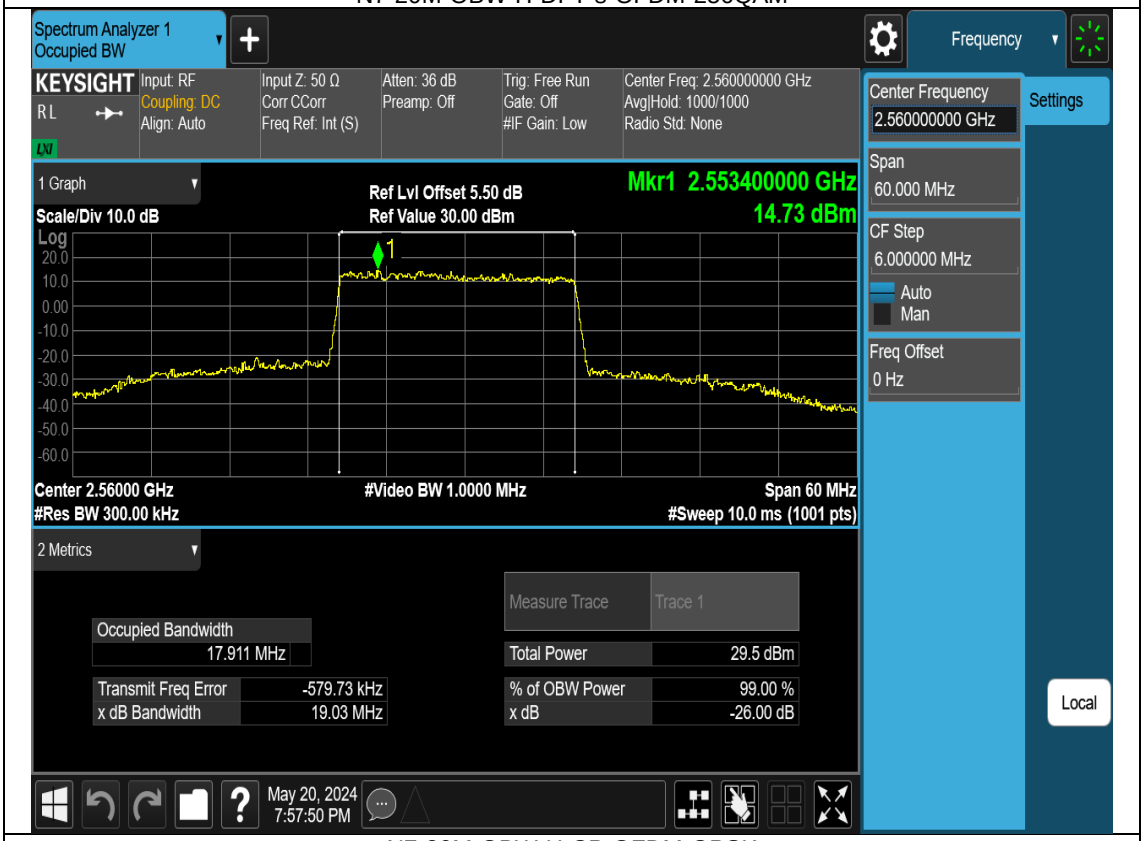

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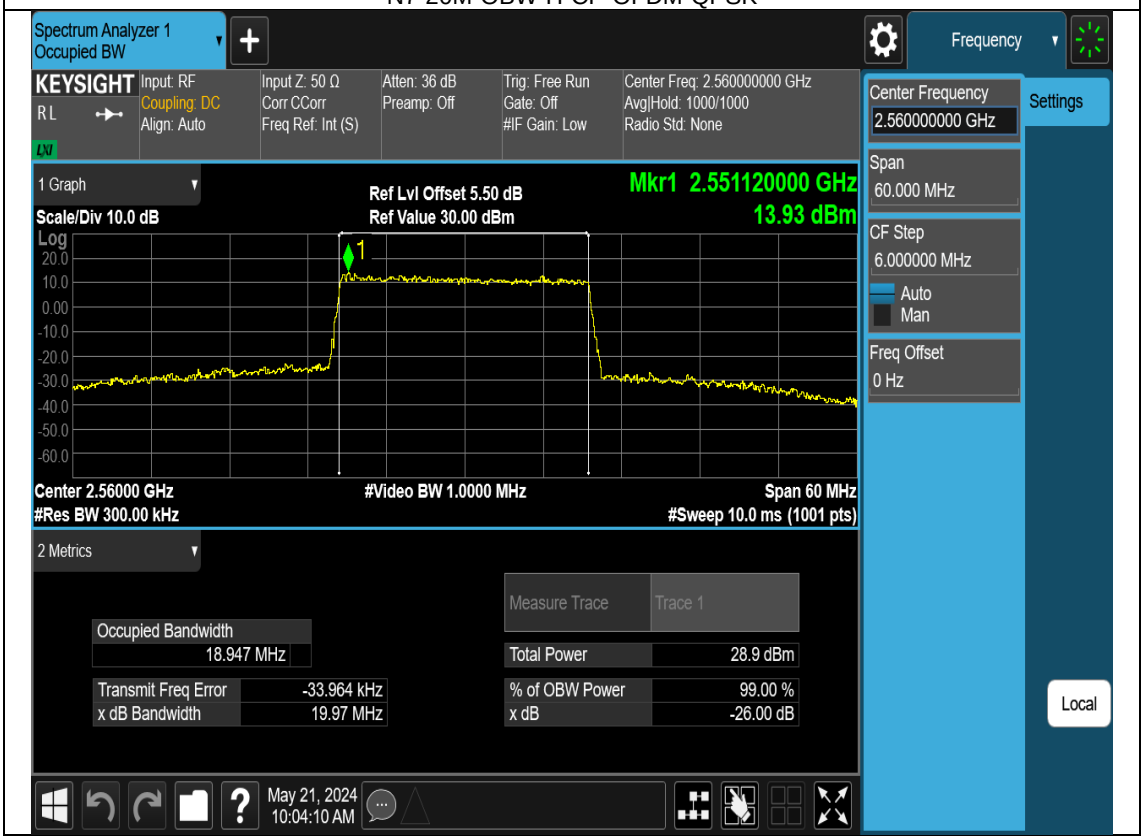

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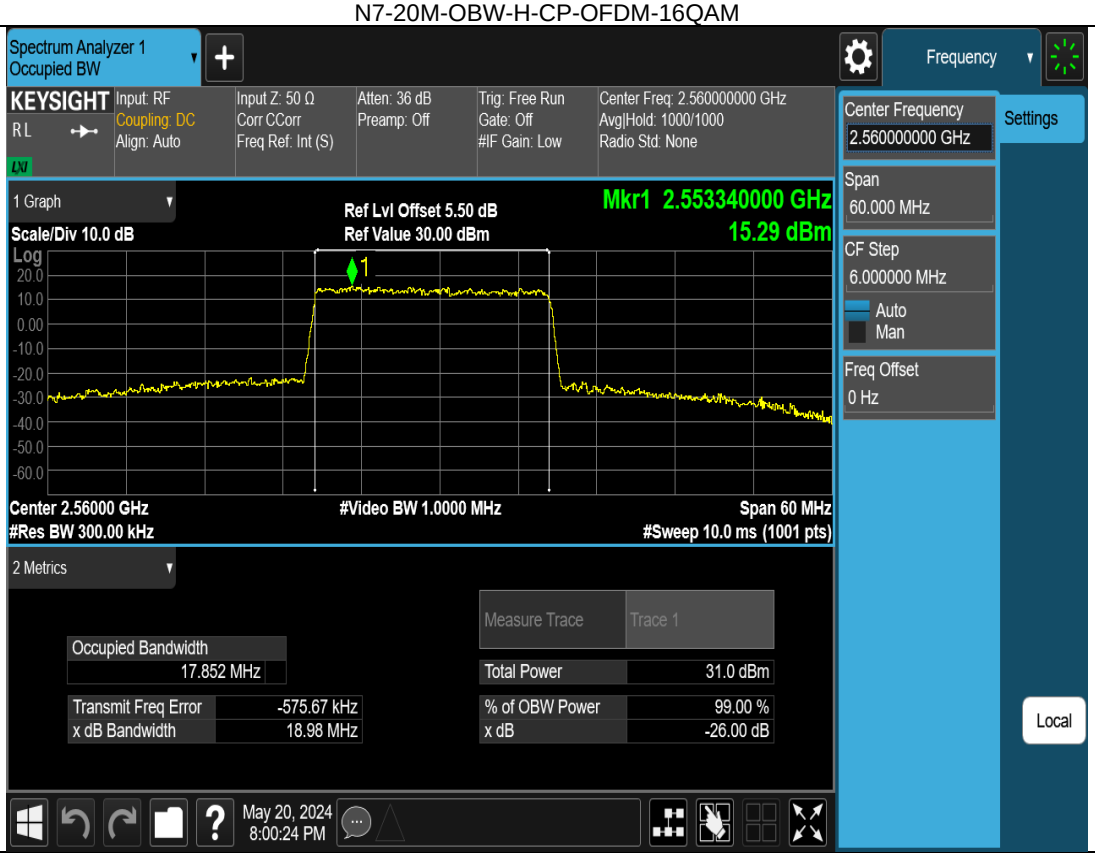

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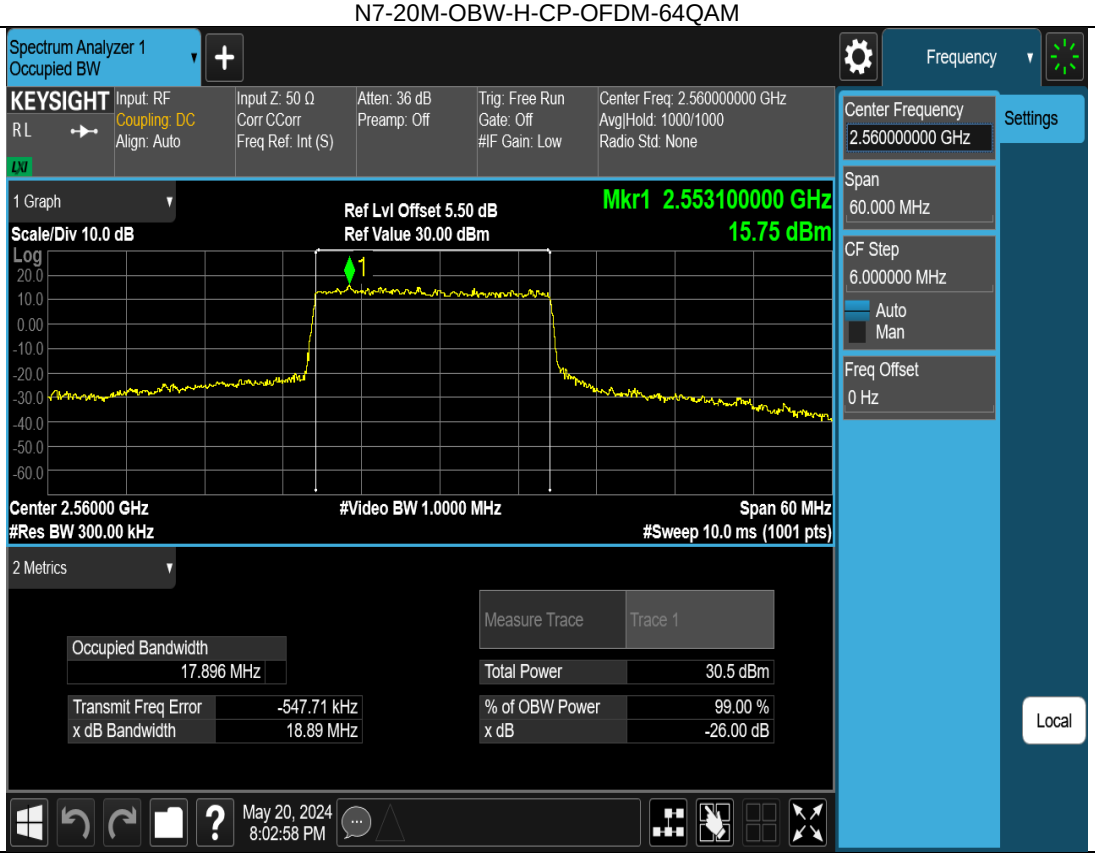

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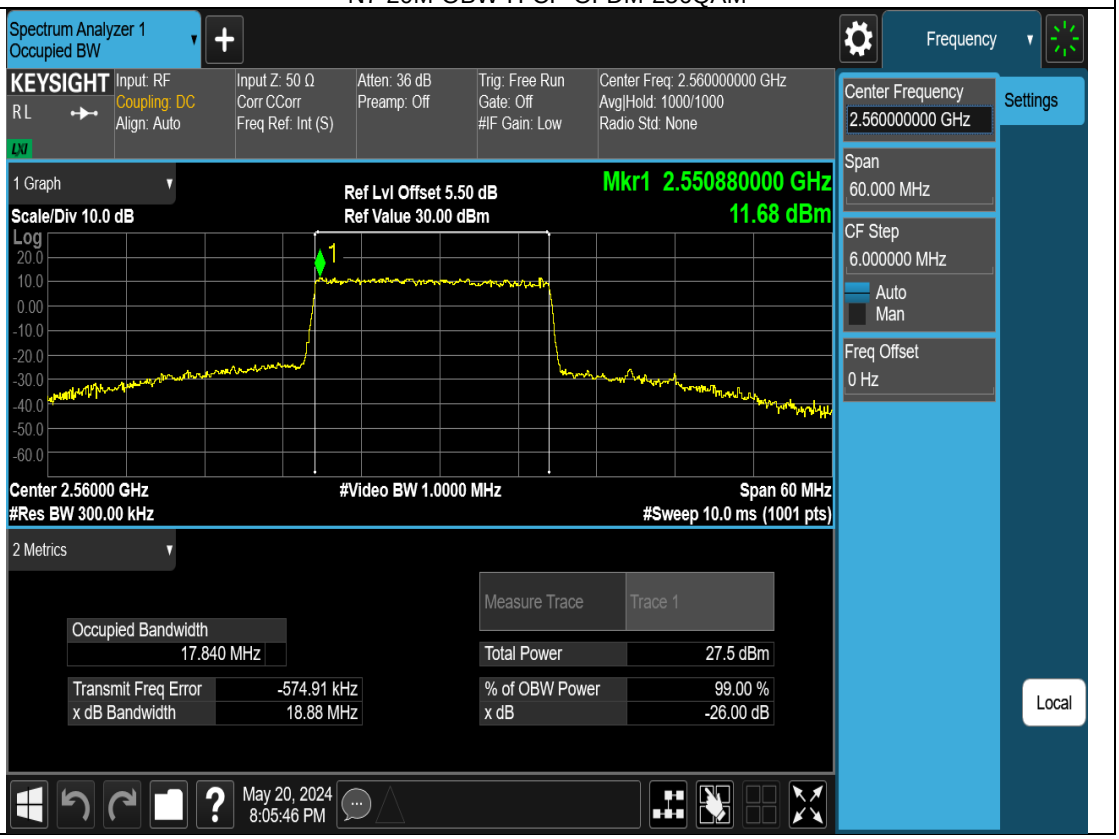


Peak-Average Ratio

Test Result

5G NR n7 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.23	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.11	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.11	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.46	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.81	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.16	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.14	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.01	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.57	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.90	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.40	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.32	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.48	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.86	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.52	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.65	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.55	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.63	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.19	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.17	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.21	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.41	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.77	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.03	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.11	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.99	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.60	<=13	Pass

5G NR n7 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.92	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.25	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.06	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.24	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.65	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.14	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.29	<=13	Pass
CP-OFDM 64QAM		Outer_Full	6.97	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.69	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.08	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.50	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.40	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.45	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.74	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.57	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.6	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.25	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.78	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.31	<=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	6.48	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.69	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.11	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.59	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.11	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.73	<=13	Pass

5G NR n7 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.79	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.24	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.12	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.30	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.78	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.23	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.30	<=13	Pass
CP-OFDM 64QAM		Outer_Full	6.88	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.56	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.97	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.49	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.35	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.50	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.85	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.53	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.63	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.23	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.58	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.17	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.42	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.22	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.50	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.82	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.41	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.52	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.30	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.46	<=13	Pass

5G NR n7 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.79	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.19	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	5.99	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.42	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.79	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.13	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.34	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.80	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.65	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.99	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.41	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.19	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.61	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.86	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.36	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.62	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.29	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.77	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.30	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.56	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.11	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.58	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.83	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.40	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.63	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.61	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.70	<=13	Pass

Test Graph

N7-5M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full

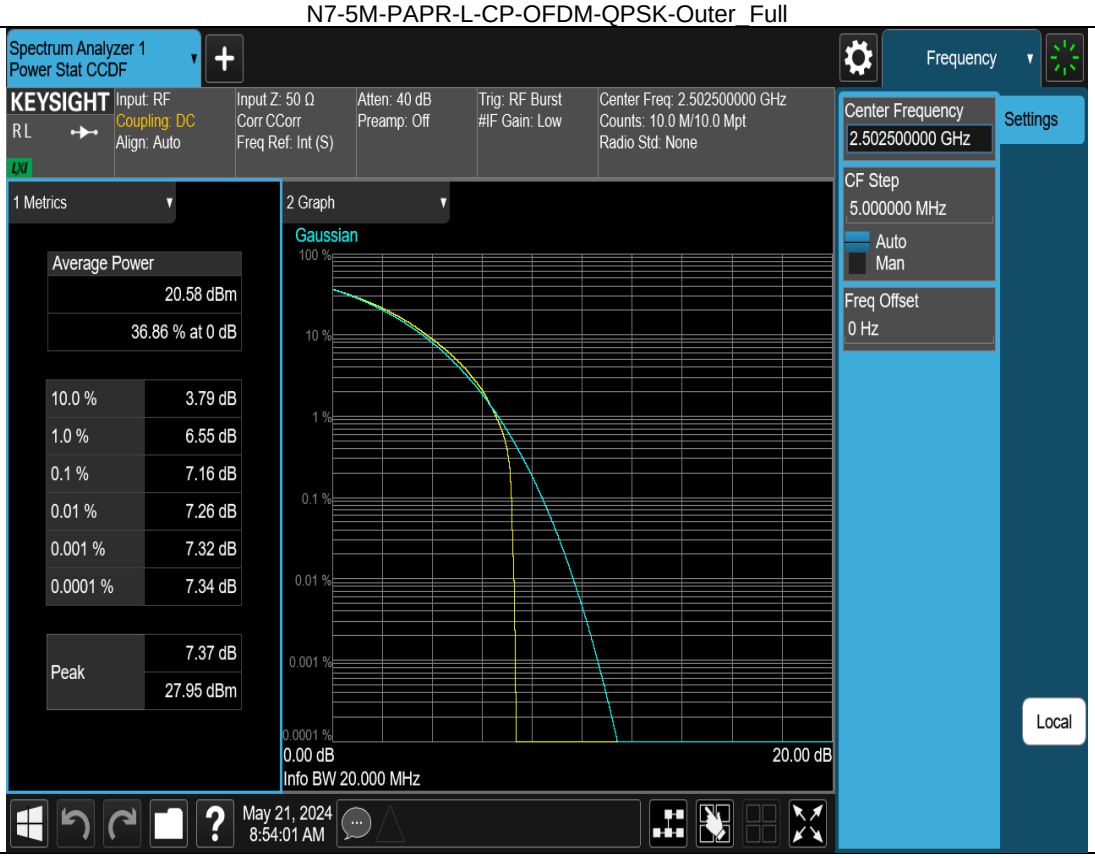
N7-5M-PAPR-L-DFT-s-OFDM-QPSK-Outer_Full

N7-5M-PAPR-L-DFT-s-OFDM-16QAM-Outer_Full

N7-5M-PAPR-L-DFT-s-OFDM-64QAM-Outer_Full

N7-5M-PAPR-L-DFT-s-OFDM-256QAM-Outer_Full

N7-5M-PAPR-L-CP-OFDM-QPSK-Outer_Full



N7-5M-PAPR-L-CP-OFDM-16QAM-Outer_Full

N7-5M-PAPR-L-CP-OFDM-64QAM-Outer_Full

N7-5M-PAPR-L-CP-OFDM-256QAM-Outer_Full

N7-5M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N7-5M-PAPR-M-DFT-s-OFDM-QPSK-Outer_Full

N7-5M-PAPR-M-DFT-s-OFDM-16QAM-Outer_Full

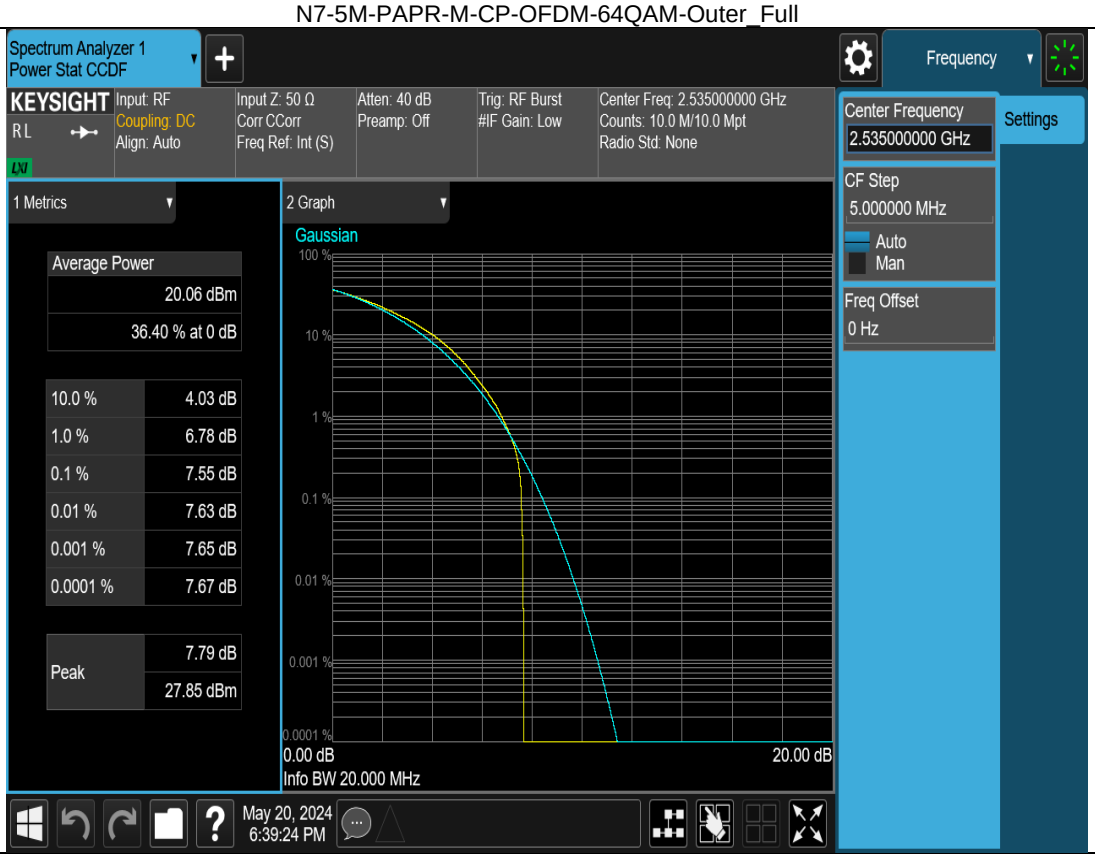
N7-5M-PAPR-M-DFT-s-OFDM-64QAM-Outer_Full

N7-5M-PAPR-M-DFT-s-OFDM-256QAM-Outer_Full

N7-5M-PAPR-M-CP-OFDM-QPSK-Outer_Full

N7-5M-PAPR-M-CP-OFDM-16QAM-Outer_Full

N7-5M-PAPR-M-CP-OFDM-64QAM-Outer_Full



N7-5M-PAPR-M-CP-OFDM-256QAM-Outer_Full

N7-5M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N7-5M-PAPR-H-DFT-s-OFDM-QPSK-Outer_Full

N7-5M-PAPR-H-DFT-s-OFDM-16QAM-Outer_Full