Appendix for N25

Product Name: 5G Indoor CPE
Model No: TITAN 5000

Appendix A: Average Power Output Data

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	20.39	PC3	PASS
N25	15	5	DFT-QPSK	L	Inner_Full	22.67	PC3	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	21.69	PC3	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Right	21.55	PC3	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	20.56	PC3	PASS
N25	15	5	DFT-16QAM	L	Inner_Full	21.50	PC3	PASS
N25	15	5	DFT-16QAM	L	Edge_1RB_Left	20.80	PC3	PASS
N25	15	5	DFT-16QAM	L	Edge_1RB_Right	20.57	PC3	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	21.25	PC3	PASS
N25	15	5	DFT-QPSK	M	Inner_Full	22.21	PC3	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	21.16	PC3	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Right	21.05	PC3	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	20.19	PC3	PASS
N25	15	5	DFT-16QAM	M	Inner_Full	21.13	PC3	PASS
N25	15	5	DFT-16QAM	M	Edge_1RB_Left	20.28	PC3	PASS
N25	15	5	DFT-16QAM	M	Edge_1RB_Right	20.46	PC3	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	20.44	PC3	PASS
N25	15	5	DFT-QPSK	H	Inner_Full	21.40	PC3	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	20.38	PC3	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Right	20.33	PC3	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	19.38	PC3	PASS
N25	15	5	DFT-16QAM	H	Inner_Full	20.31	PC3	PASS
N25	15	5	DFT-16QAM	H	Edge_1RB_Left	19.75	PC3	PASS
N25	15	5	DFT-16QAM	H	Edge_1RB_Right	19.59	PC3	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	21.62	PC3	PASS
N25	15	10	DFT-QPSK	L	Inner_Full	22.47	PC3	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	21.54	PC3	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Right	21.36	PC3	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	20.50	PC3	PASS
N25	15	10	DFT-16QAM	L	Inner_Full	21.54	PC3	PASS
N25	15	10	DFT-16QAM	L	Edge_1RB_Left	20.76	PC3	PASS
N25	15	10	DFT-16QAM	L	Edge_1RB_Right	20.46	PC3	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	21.17	PC3	PASS
N25	15	10	DFT-QPSK	M	Inner_Full	22.21	PC3	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Left	21.09	PC3	PASS

N25	15	10	DFT-QPSK	M	Edge_1RB_Right	20.91	PC3	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	20.23	PC3	PASS
N25	15	10	DFT-16QAM	M	Inner_Full	21.20	PC3	PASS
N25	15	10	DFT-16QAM	M	Edge_1RB_Left	20.43	PC3	PASS
N25	15	10	DFT-16QAM	M	Edge_1RB_Right	20.35	PC3	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	20.37	PC3	PASS
N25	15	10	DFT-QPSK	H	Inner_Full	21.37	PC3	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	20.36	PC3	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Right	20.35	PC3	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	19.38	PC3	PASS
N25	15	10	DFT-16QAM	H	Inner_Full	20.38	PC3	PASS
N25	15	10	DFT-16QAM	H	Edge_1RB_Left	19.66	PC3	PASS
N25	15	10	DFT-16QAM	H	Edge_1RB_Right	19.57	PC3	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	21.53	PC3	PASS
N25	15	15	DFT-QPSK	L	Inner_Full	22.53	PC3	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	21.57	PC3	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Right	21.29	PC3	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	20.56	PC3	PASS
N25	15	15	DFT-16QAM	L	Inner_Full	21.59	PC3	PASS
N25	15	15	DFT-16QAM	L	Edge_1RB_Left	20.85	PC3	PASS
N25	15	15	DFT-16QAM	L	Edge_1RB_Right	20.67	PC3	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	21.28	PC3	PASS
N25	15	15	DFT-QPSK	M	Inner_Full	22.30	PC3	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Left	21.37	PC3	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Right	21.05	PC3	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	20.18	PC3	PASS
N25	15	15	DFT-16QAM	M	Inner_Full	21.26	PC3	PASS
N25	15	15	DFT-16QAM	M	Edge_1RB_Left	20.53	PC3	PASS
N25	15	15	DFT-16QAM	M	Edge_1RB_Right	20.29	PC3	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	20.52	PC3	PASS
N25	15	15	DFT-QPSK	H	Inner_Full	21.48	PC3	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Left	20.70	PC3	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Right	20.34	PC3	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	19.54	PC3	PASS
N25	15	15	DFT-16QAM	H	Inner_Full	20.53	PC3	PASS
N25	15	15	DFT-16QAM	H	Edge_1RB_Left	19.68	PC3	PASS
N25	15	15	DFT-16QAM	H	Edge_1RB_Right	19.32	PC3	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	21.54	PC3	PASS
N25	15	20	DFT-QPSK	L	Inner_Full	22.57	PC3	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	21.47	PC3	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Right	21.13	PC3	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	20.56	PC3	PASS

N25	15	20	DFT-16QAM	L	Inner_Full	21.54	PC3	PASS
N25	15	20	DFT-16QAM	L	Edge_1RB_Left	20.89	PC3	PASS
N25	15	20	DFT-16QAM	L	Edge_1RB_Right	20.57	PC3	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	21.25	PC3	PASS
N25	15	20	DFT-QPSK	M	Inner_Full	22.25	PC3	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	21.14	PC3	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Right	20.87	PC3	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	20.28	PC3	PASS
N25	15	20	DFT-16QAM	M	Inner_Full	21.31	PC3	PASS
N25	15	20	DFT-16QAM	M	Edge_1RB_Left	20.60	PC3	PASS
N25	15	20	DFT-16QAM	M	Edge_1RB_Right	20.35	PC3	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	20.55	PC3	PASS
N25	15	20	DFT-QPSK	H	Inner_Full	21.54	PC3	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	20.71	PC3	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Right	20.21	PC3	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	19.67	PC3	PASS
N25	15	20	DFT-16QAM	H	Inner_Full	20.58	PC3	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Left	20.11	PC3	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Right	19.62	PC3	PASS

Appendix B: Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	5.14	≤13	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	6.12	≤13	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	5.23	≤13	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	6.26	≤13	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	5.09	≤13	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	6.12	≤13	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	5.34	≤13	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	6.32	≤13	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	5.52	≤13	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	6.52	≤13	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	10.75	≤13	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	10.47	≤13	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	5.12	≤13	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	6.07	≤13	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	5.60	≤13	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	6.43	≤13	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	5.01	≤13	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	5.91	≤13	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	5.12	≤13	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	6.04	≤13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	5.48	≤13	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	6.35	≤13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	5.35	≤13	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	6.27	≤13	PASS

Test Graphs

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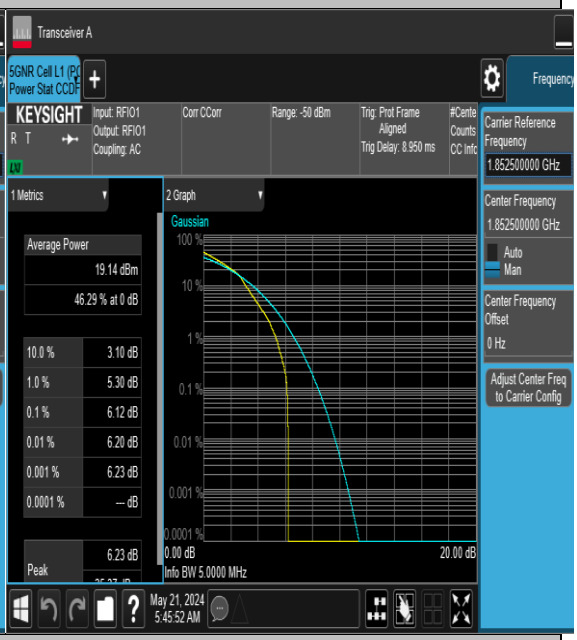

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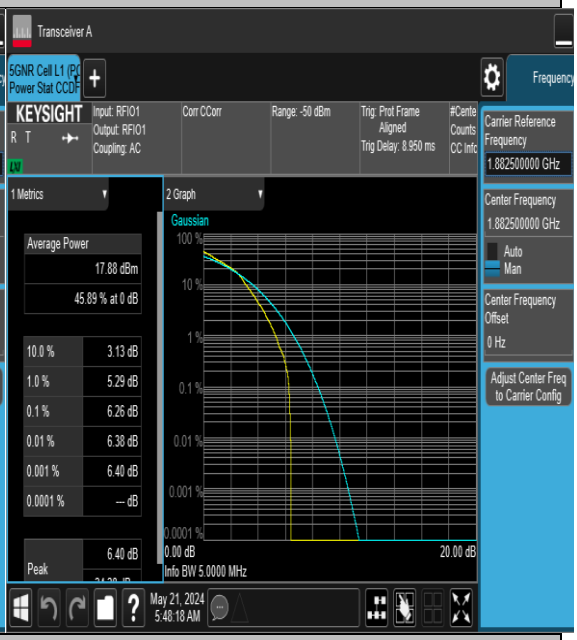

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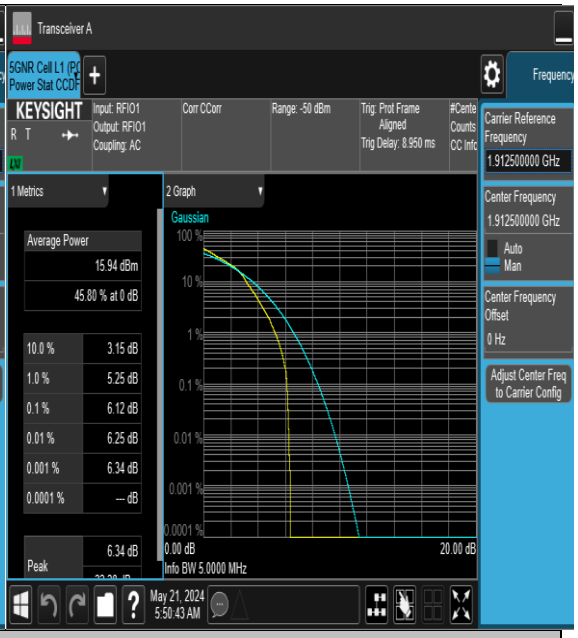

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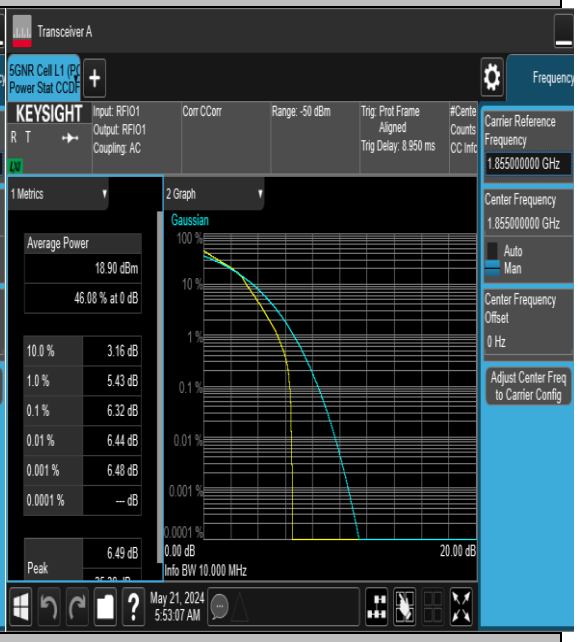

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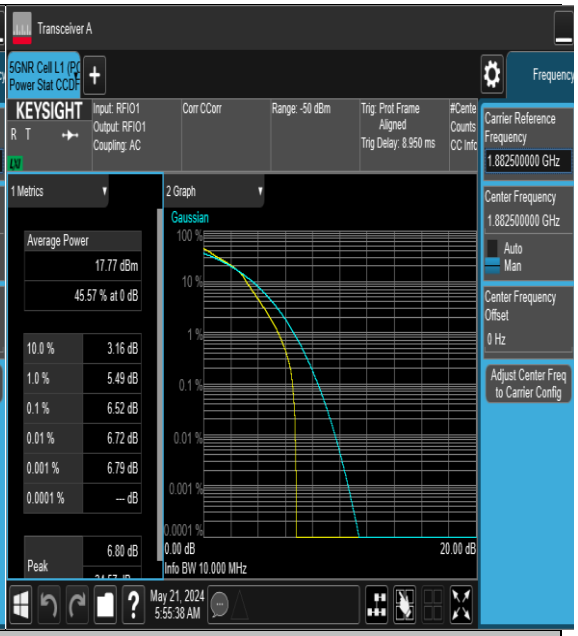

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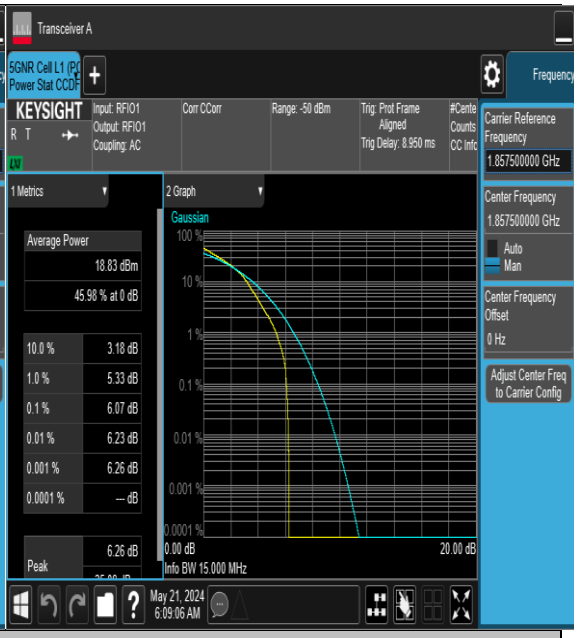

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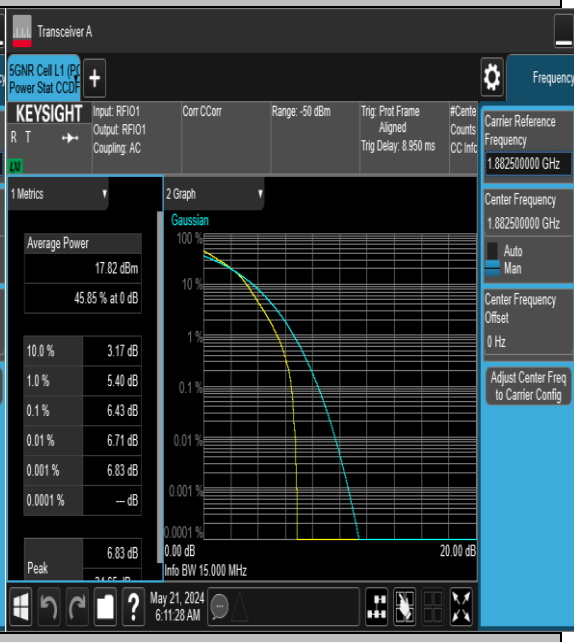

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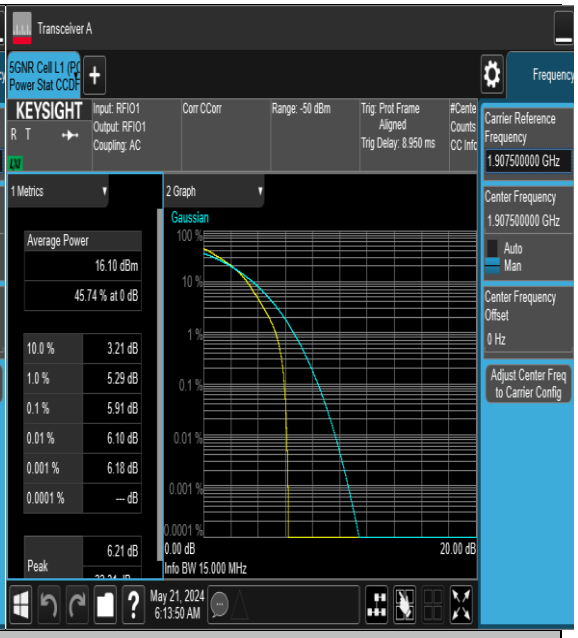

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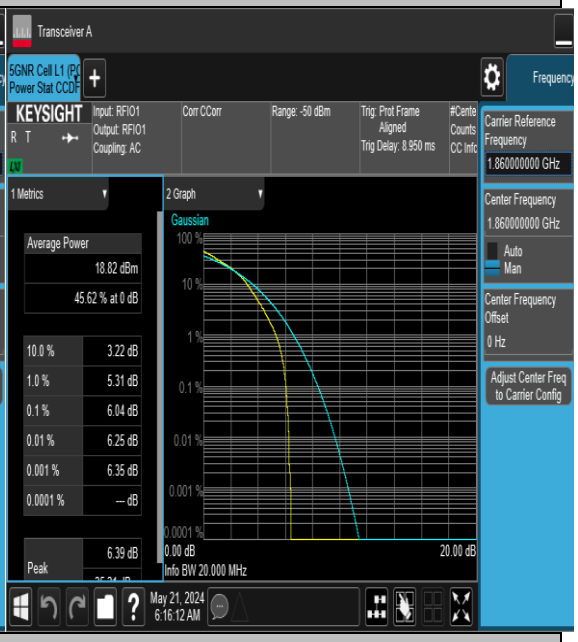

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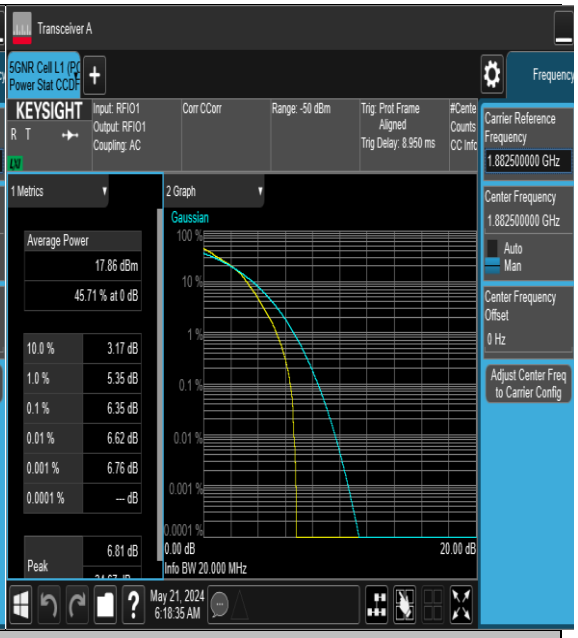

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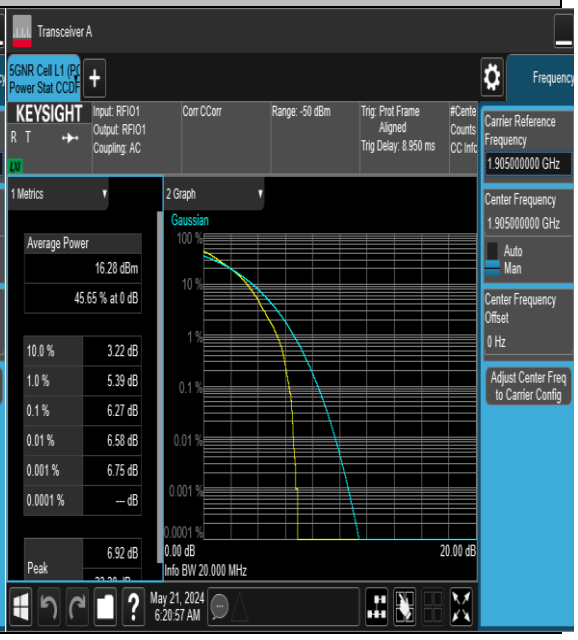

Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	4.4952	5.123	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	4.4816	5.063	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4813	4.922	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4835	5.066	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	4.4779	4.960	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	4.4892	5.010	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	8.9143	9.615	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	8.9313	9.629	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9099	9.585	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9349	9.691	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	8.9132	9.576	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	8.9408	9.706	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	13.430	14.30	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	13.440	14.14	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.429	14.36	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.441	14.19	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	13.436	14.35	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	13.425	14.21	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	17.867	18.90	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	17.877	18.87	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.852	18.88	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.888	18.92	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	17.845	18.83	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	17.832	18.78	PASS

Test Graphs

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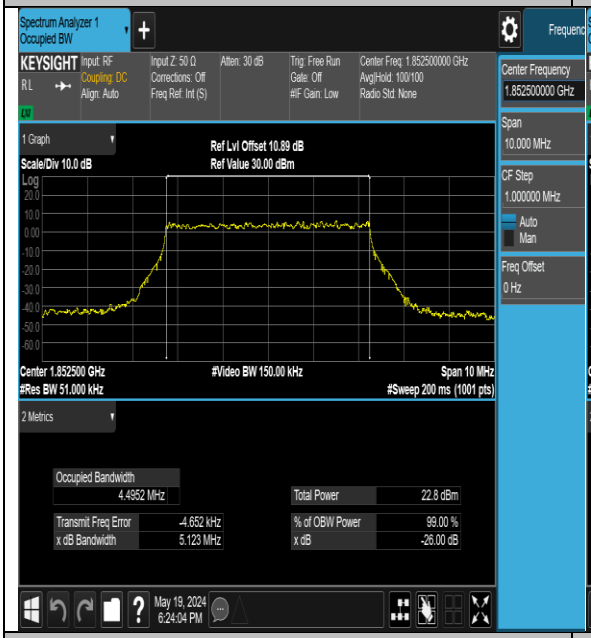

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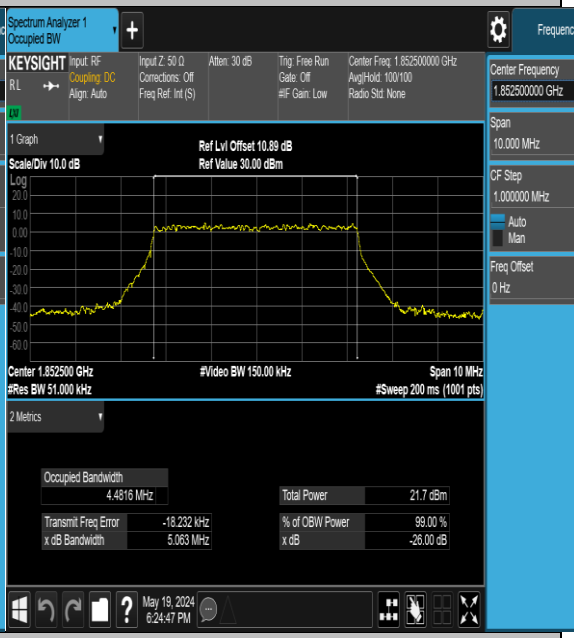

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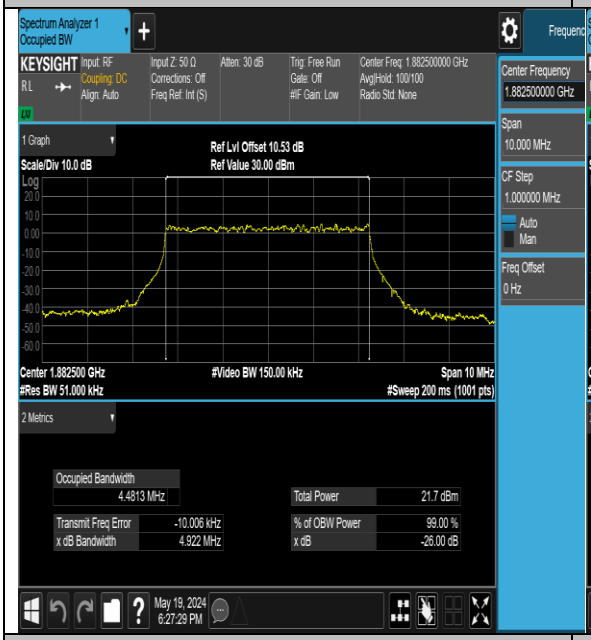

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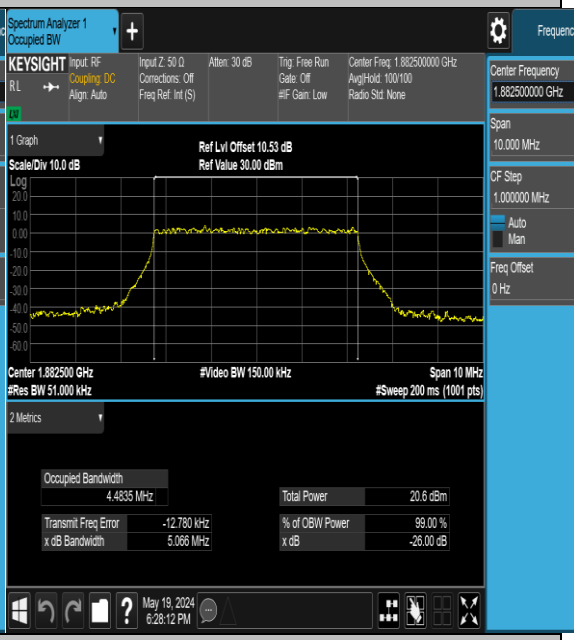

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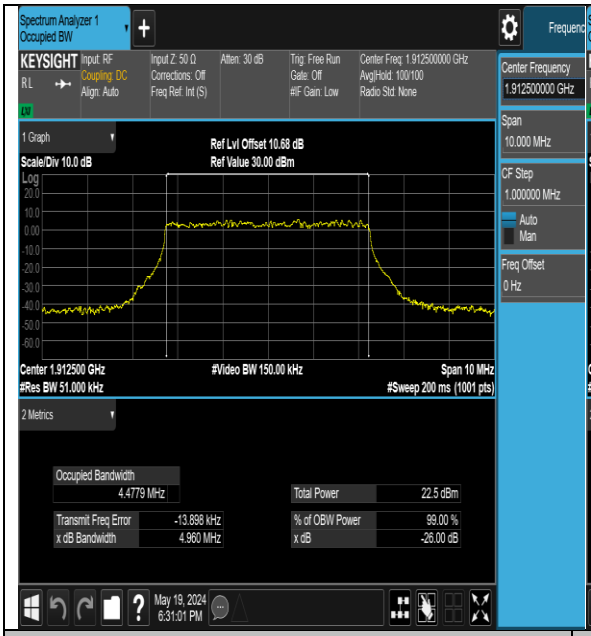

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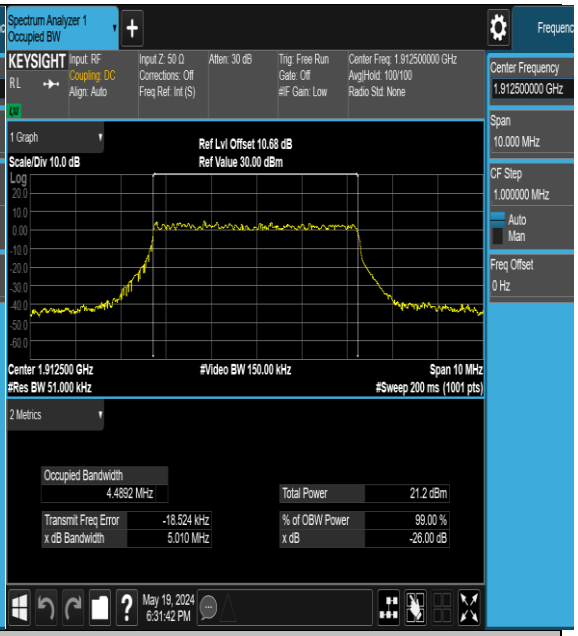

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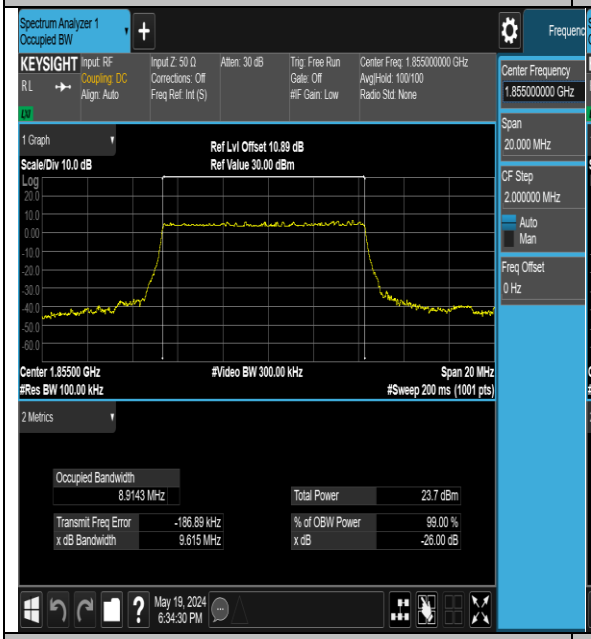

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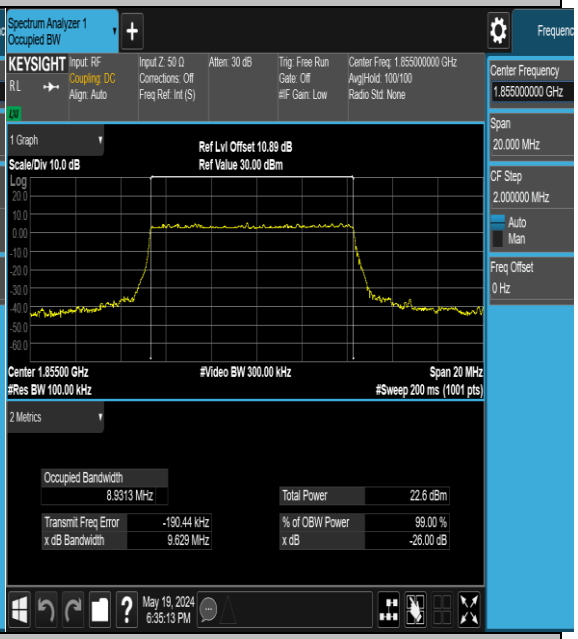

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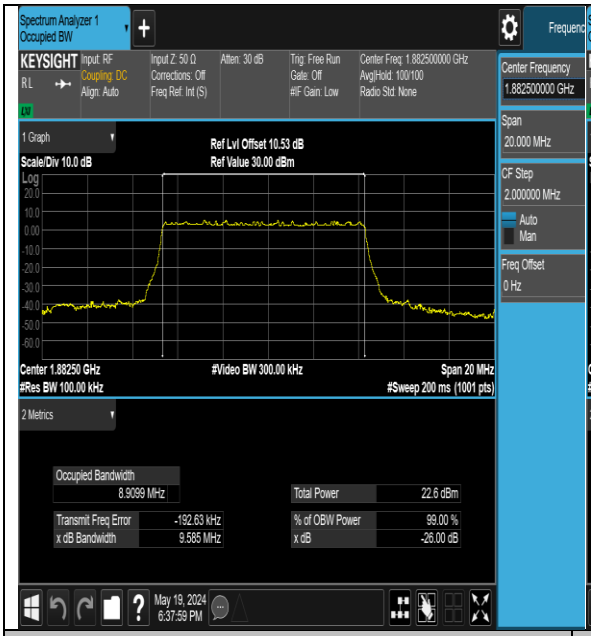

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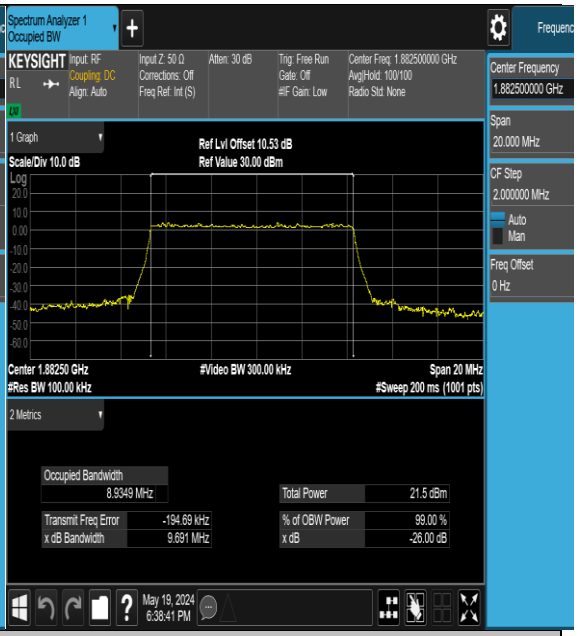

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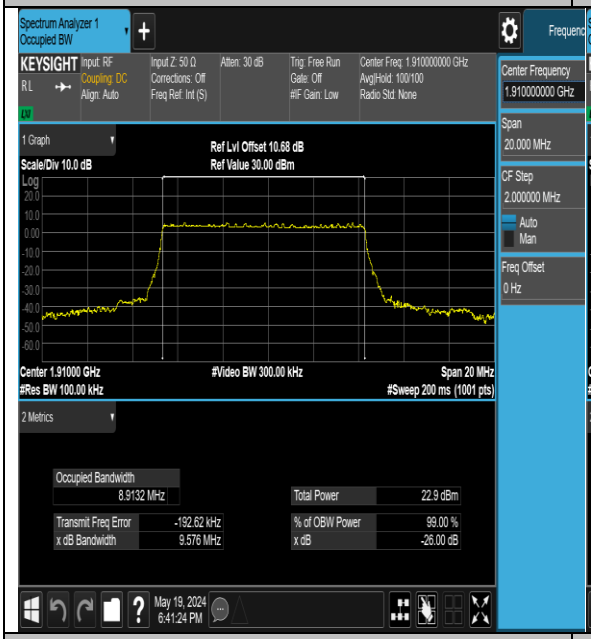

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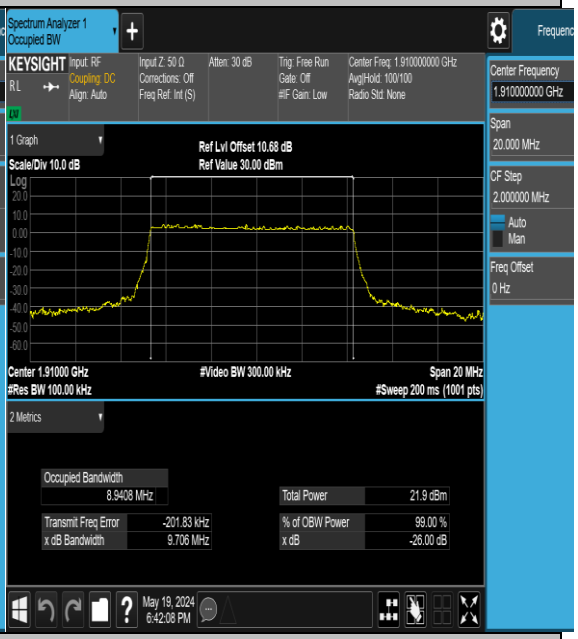

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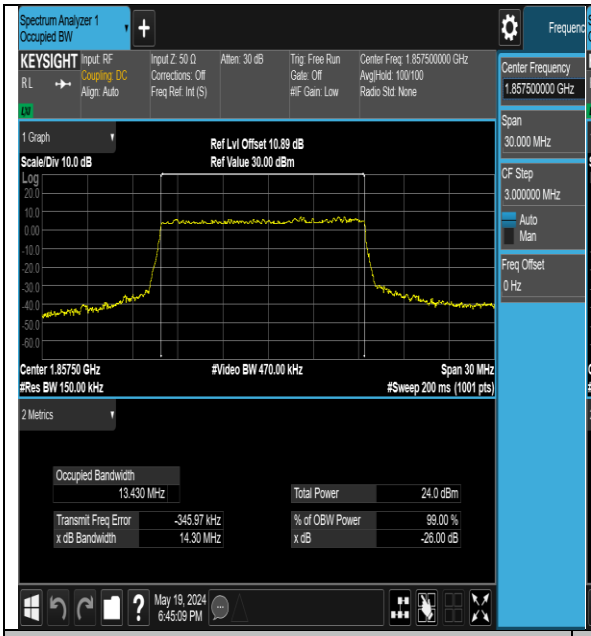

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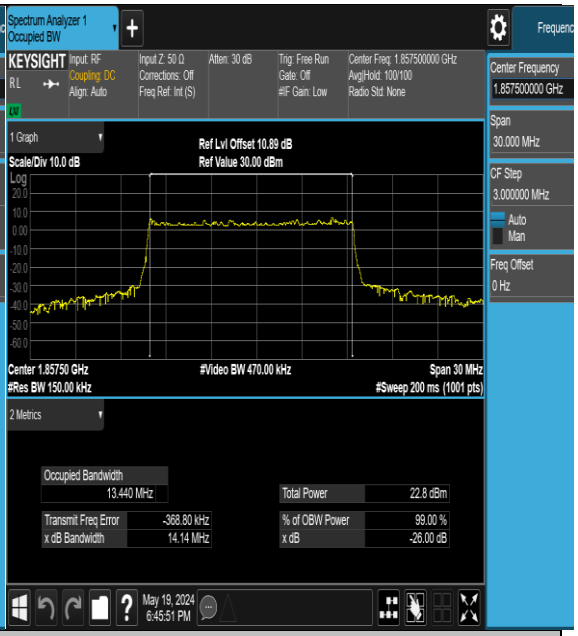

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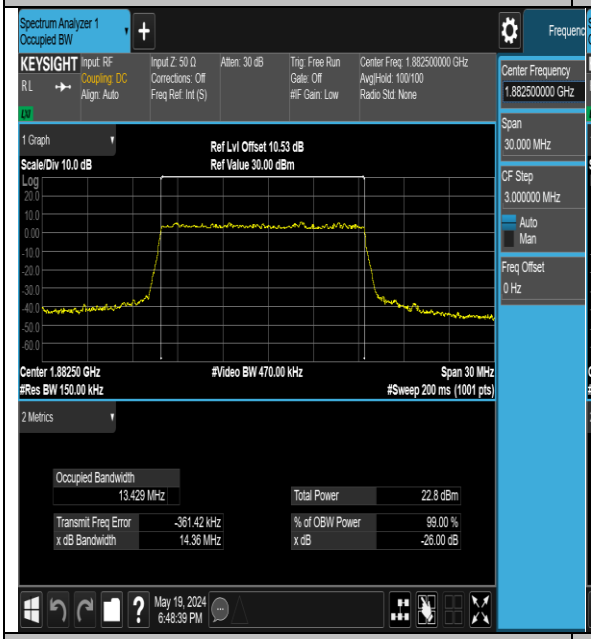

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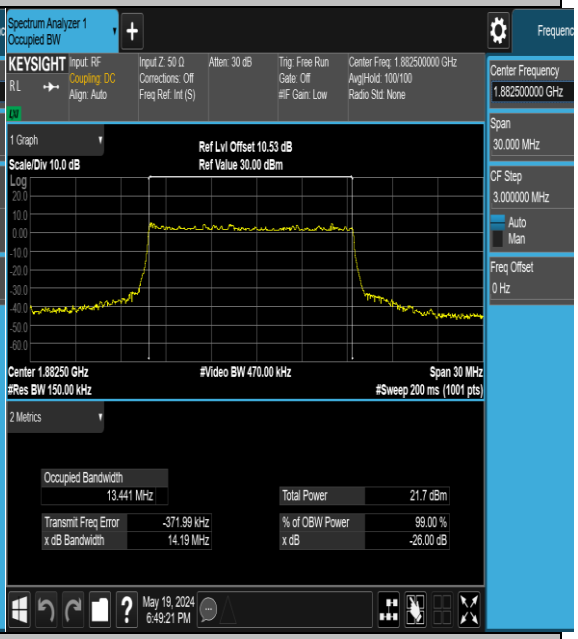

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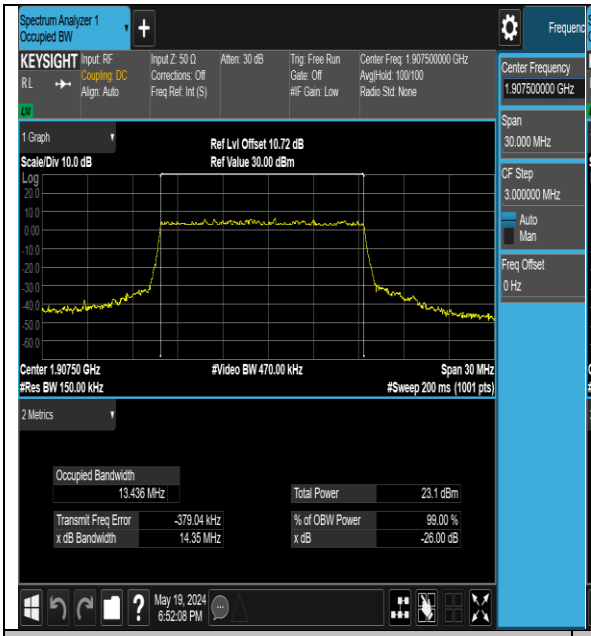

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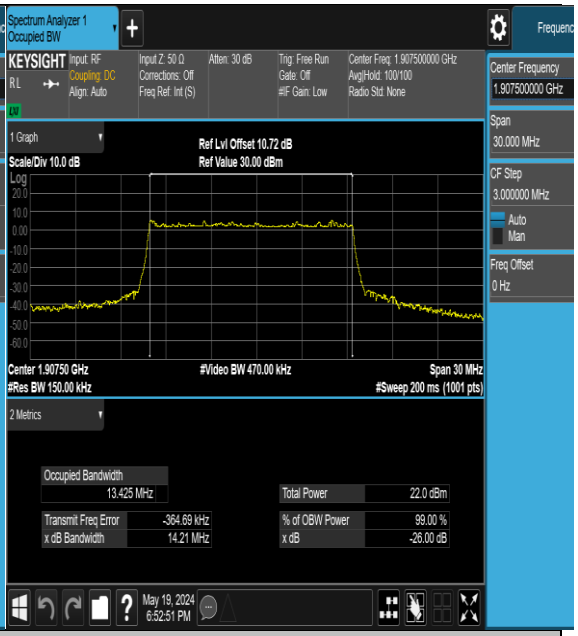

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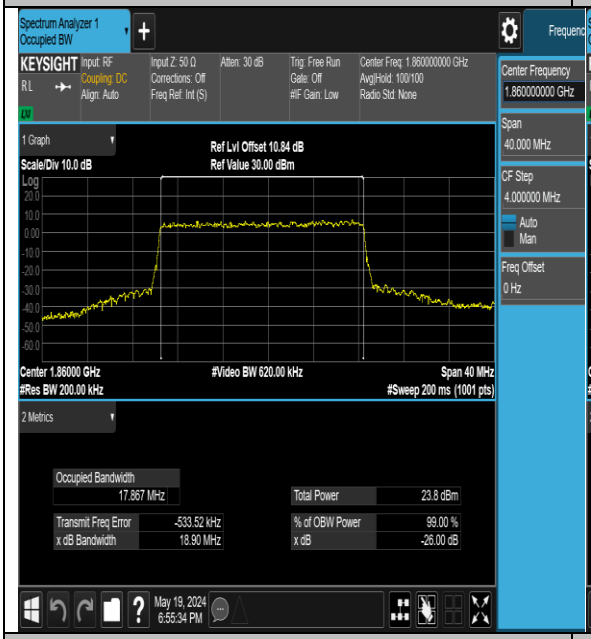

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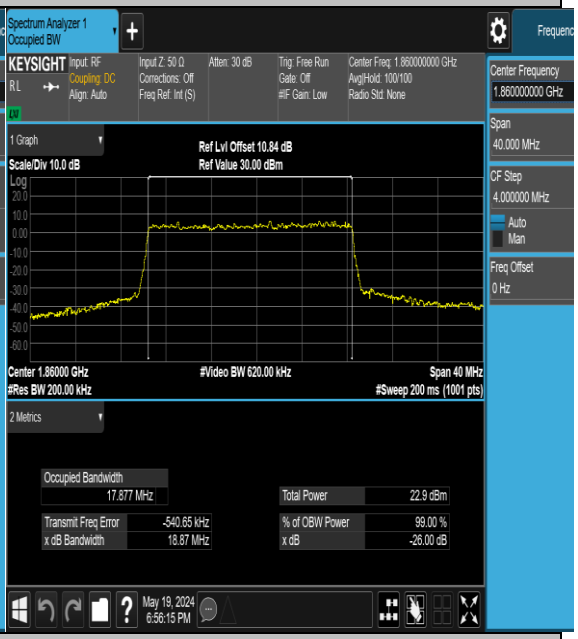

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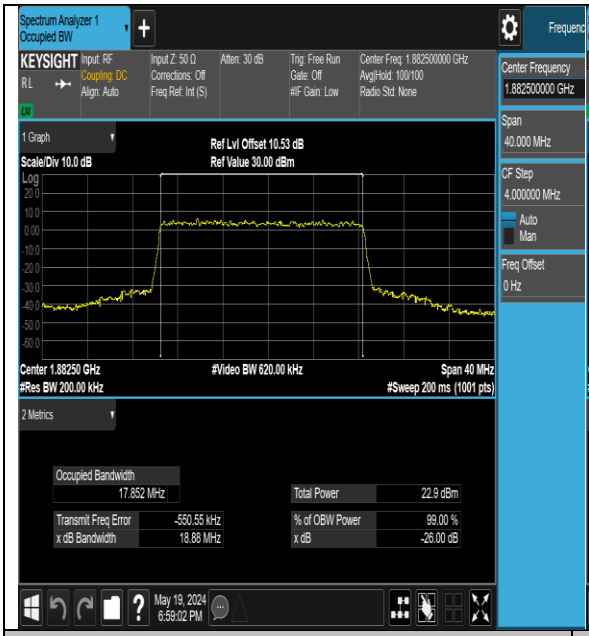

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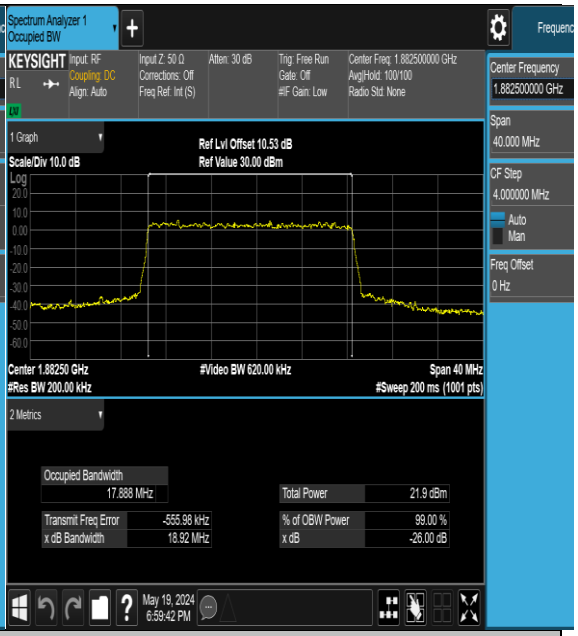

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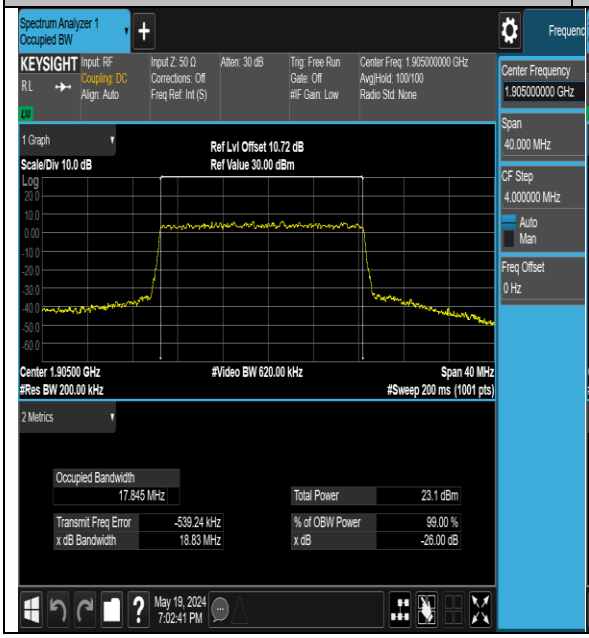
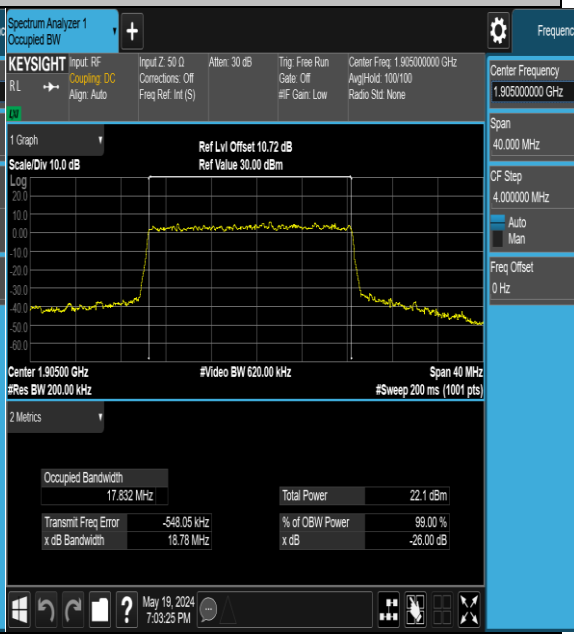




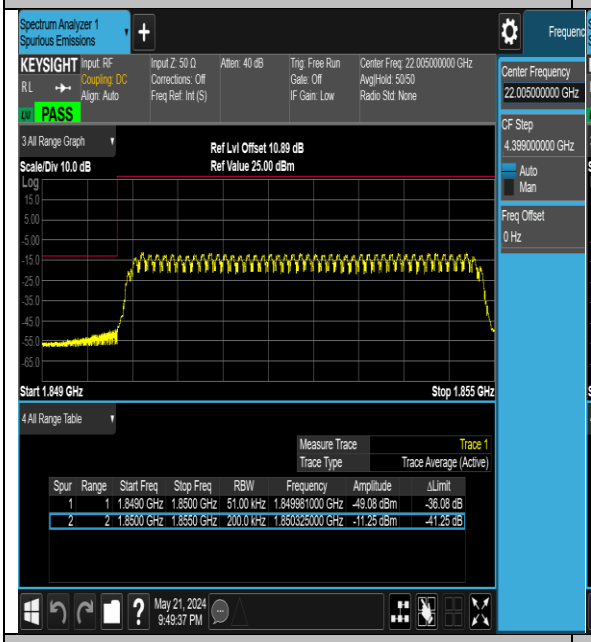
Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	PASS
N25	15	5	DFT-16QAM	L	Edge_1RB_Left	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Right	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	PASS
N25	15	5	DFT-16QAM	H	Edge_1RB_Right	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	PASS
N25	15	10	DFT-16QAM	L	Edge_1RB_Left	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Right	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	PASS
N25	15	10	DFT-16QAM	H	Edge_1RB_Right	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	PASS
N25	15	15	DFT-16QAM	L	Edge_1RB_Left	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Right	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	PASS
N25	15	15	DFT-16QAM	H	Edge_1RB_Right	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	PASS
N25	15	20	DFT-16QAM	L	Edge_1RB_Left	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Right	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

NTNV_N25_PC3_15_5_L_TID6_#1



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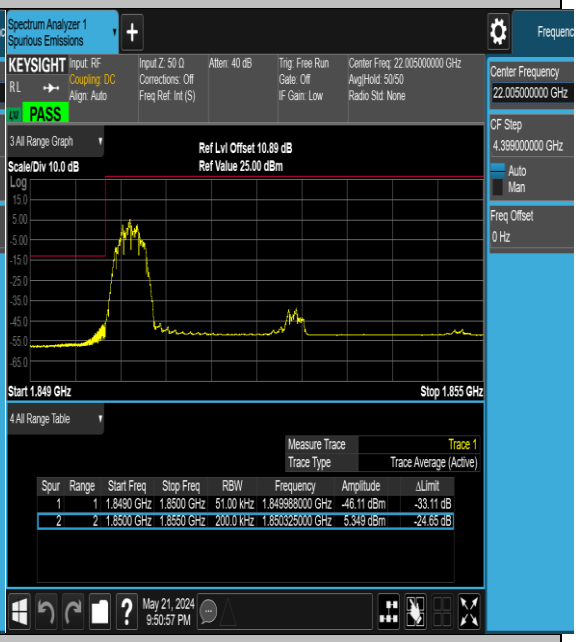

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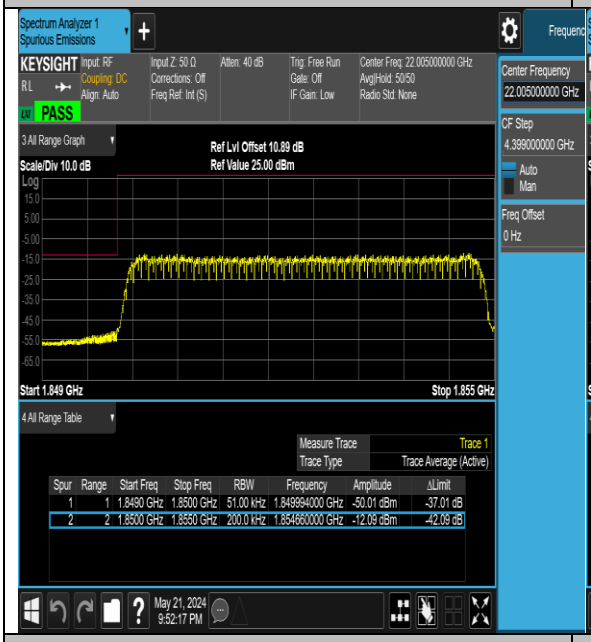

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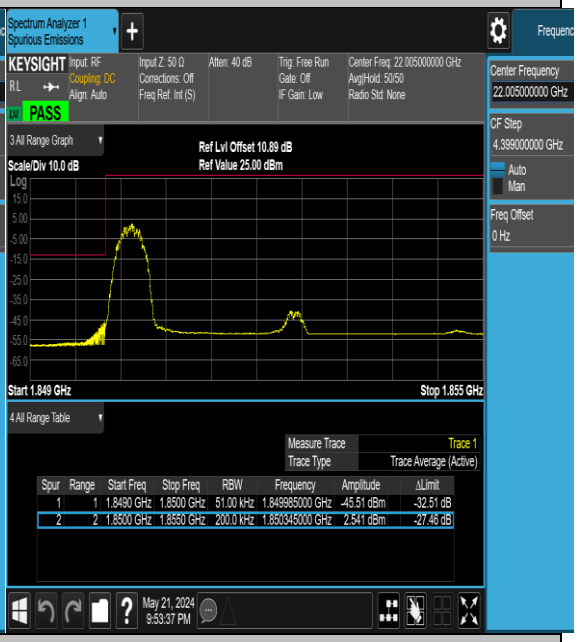

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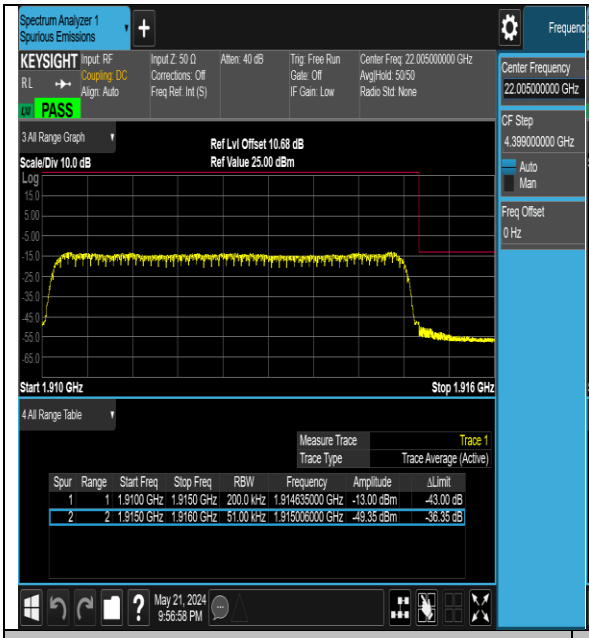

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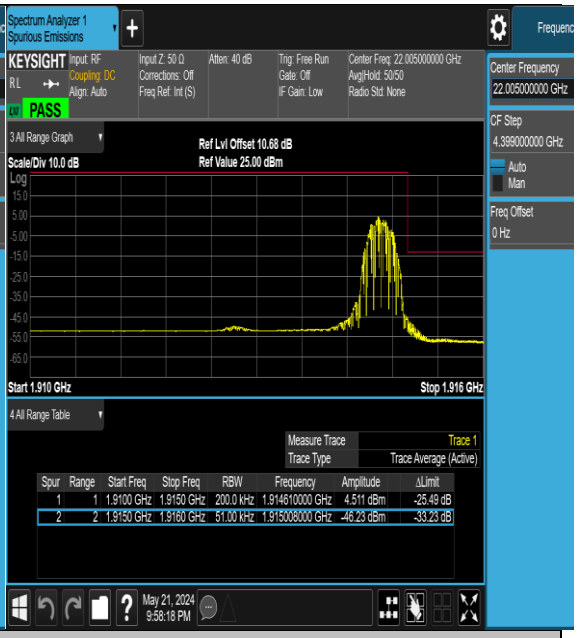

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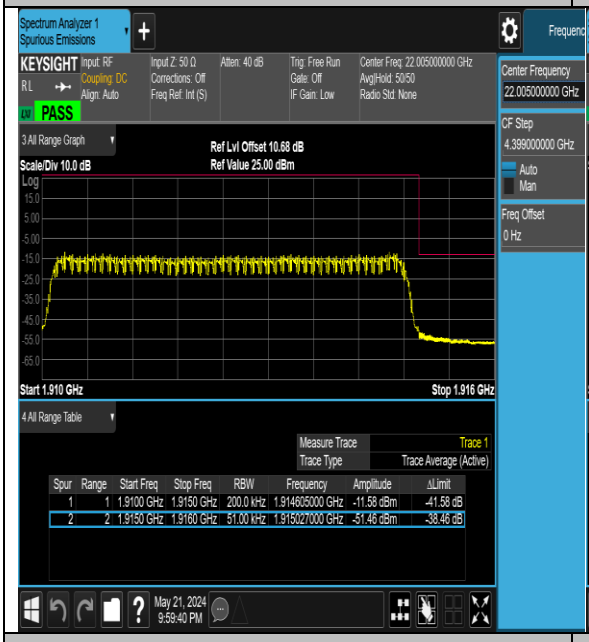

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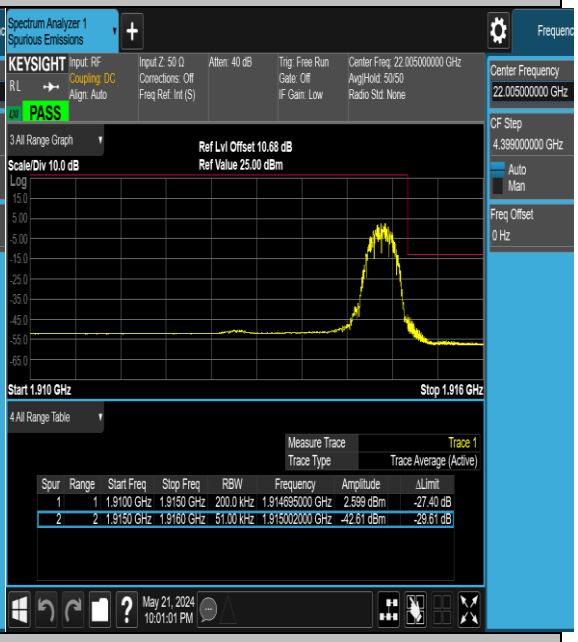

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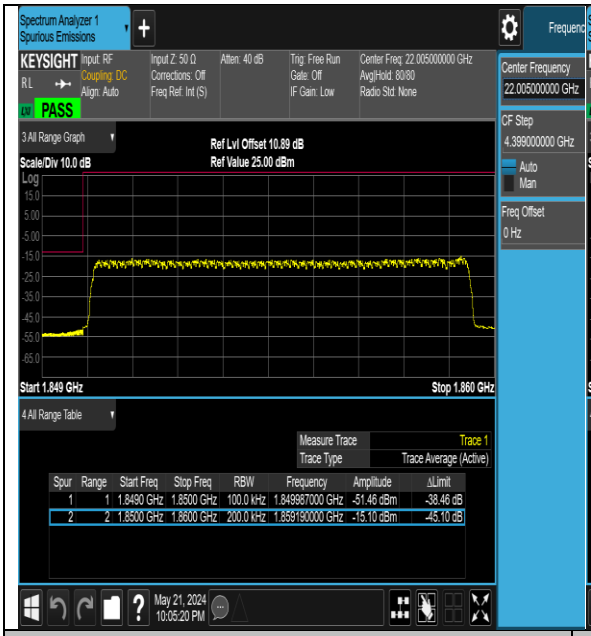

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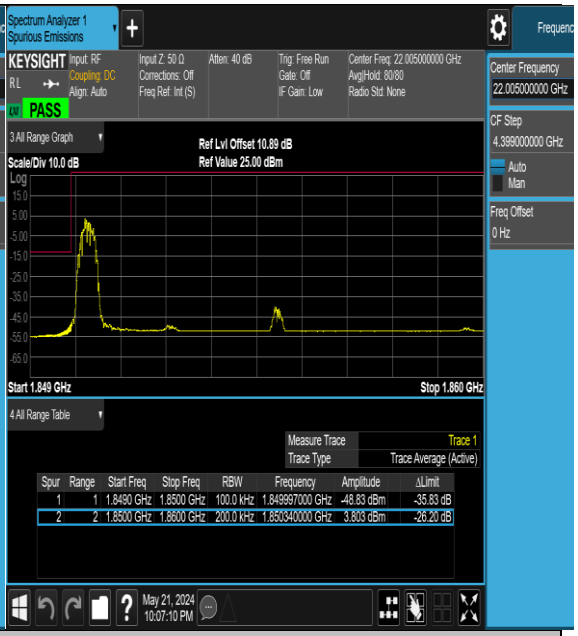

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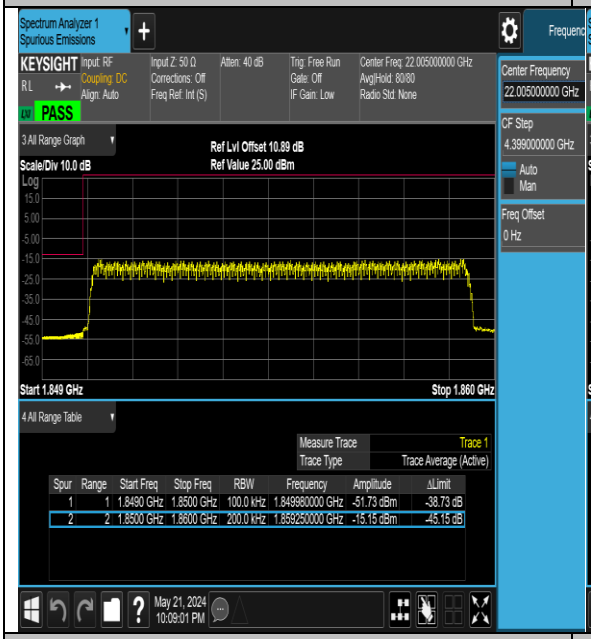

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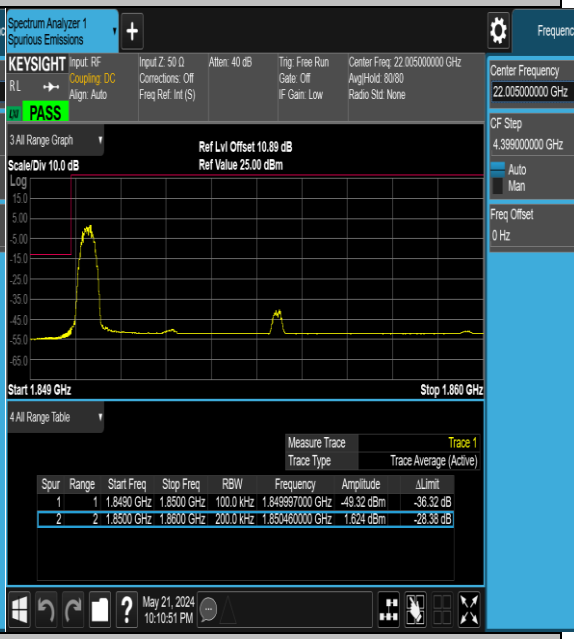

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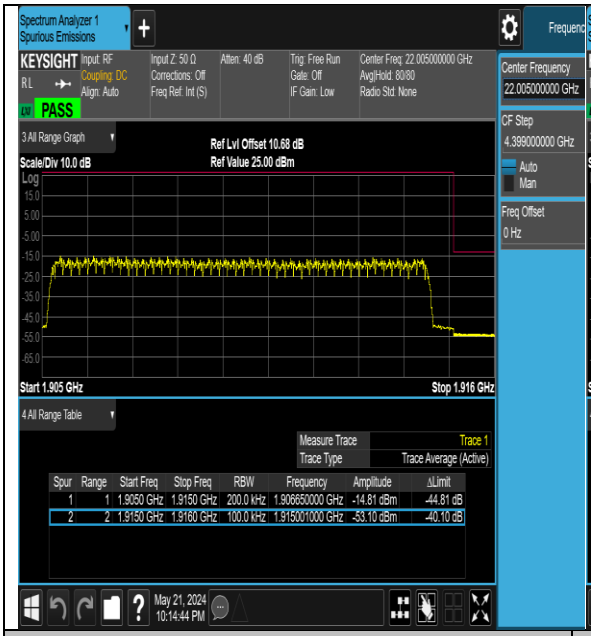

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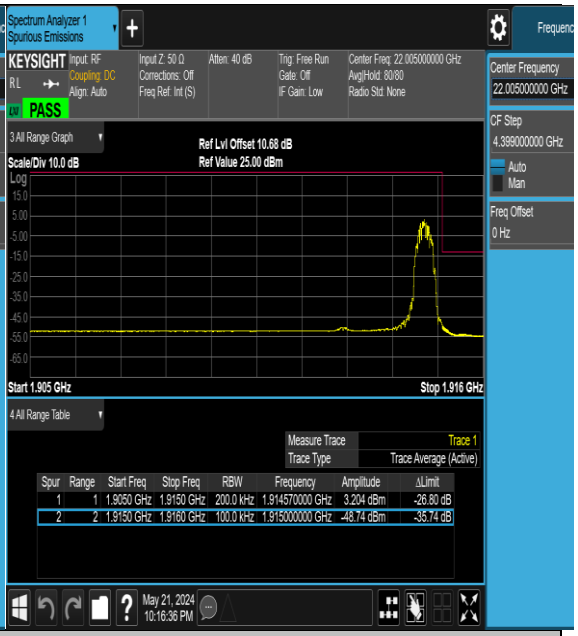

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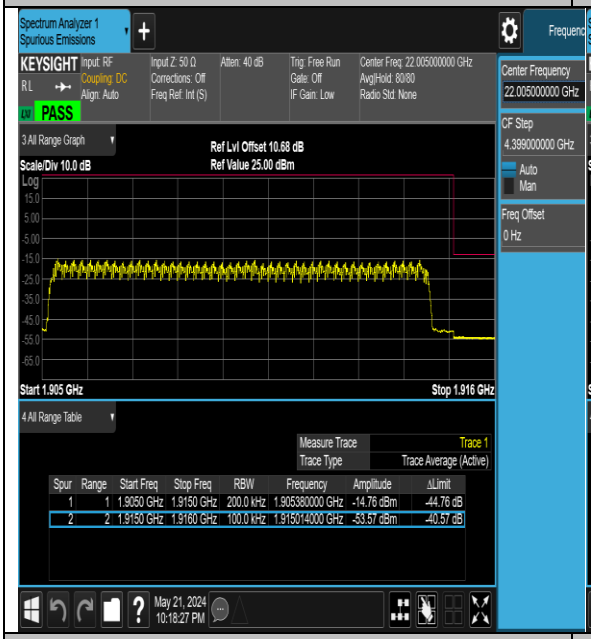

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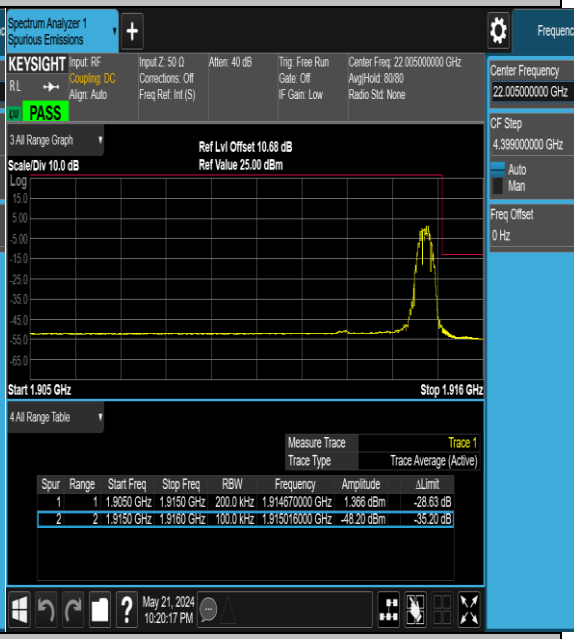

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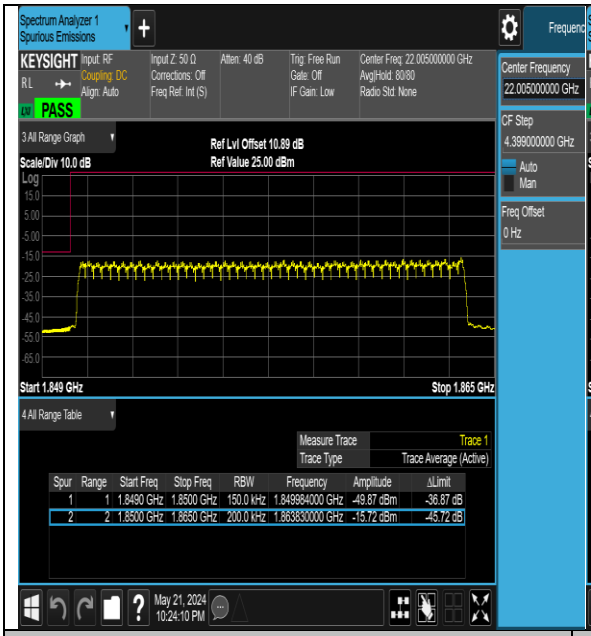

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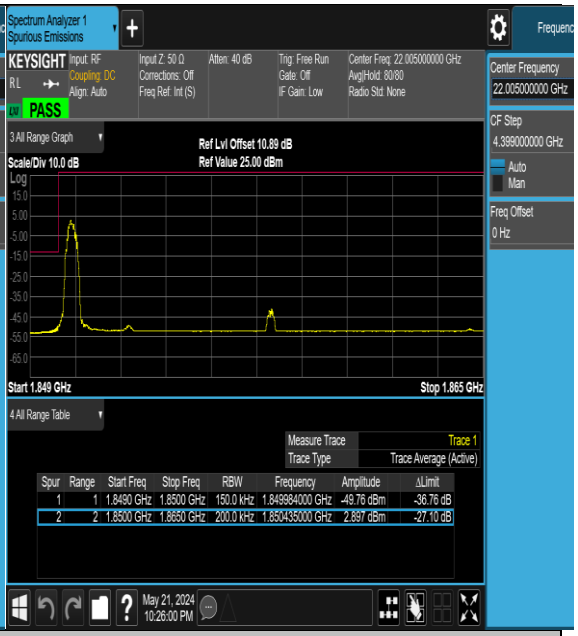

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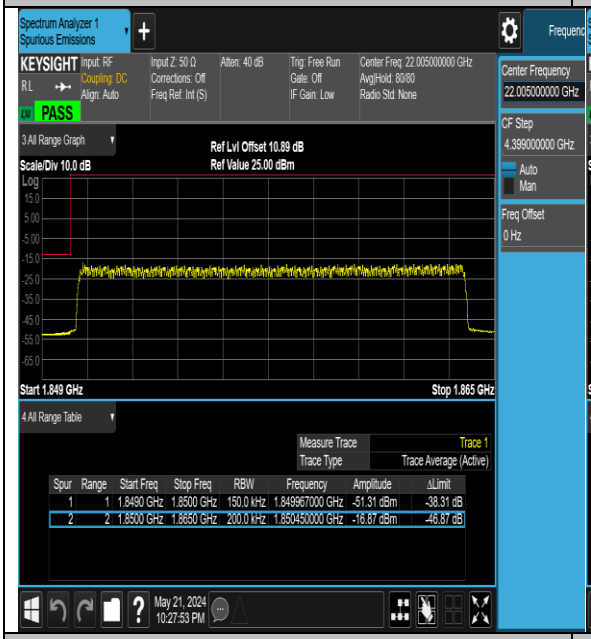

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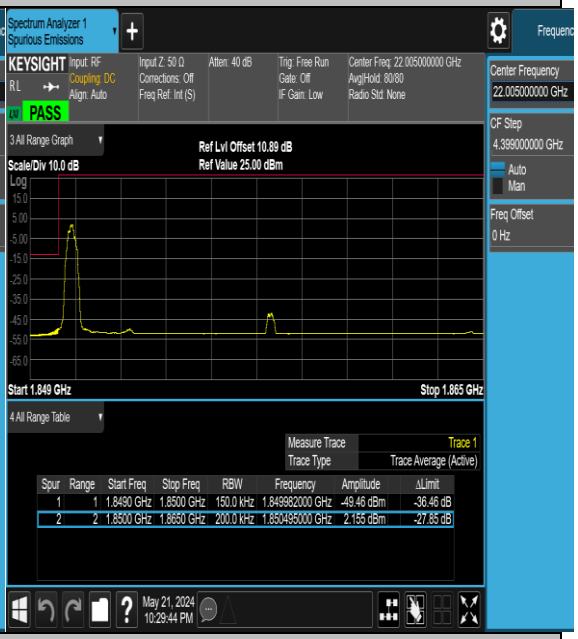

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