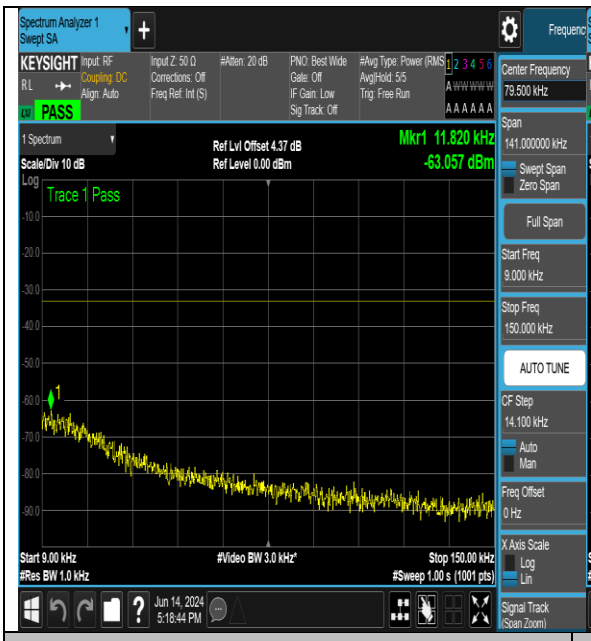

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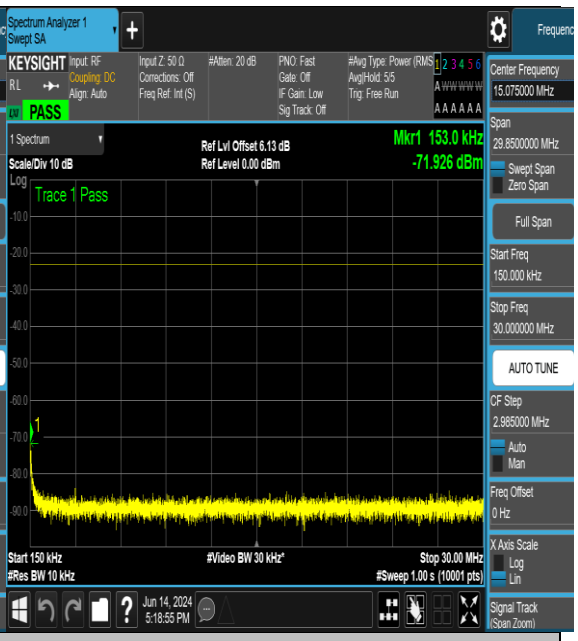

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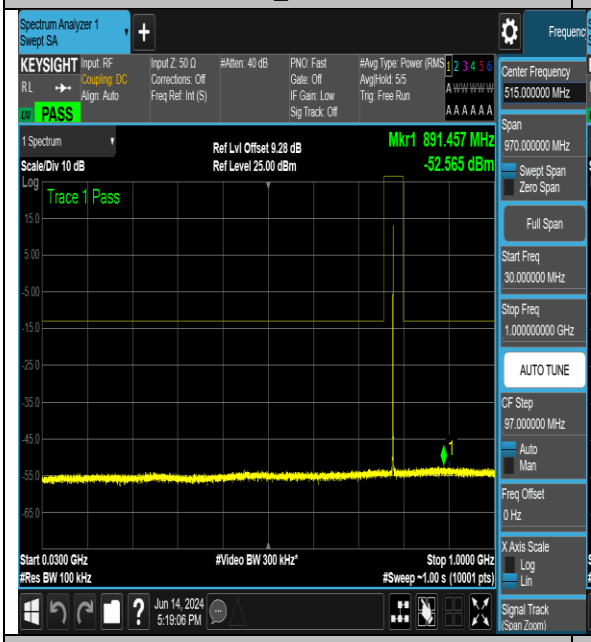

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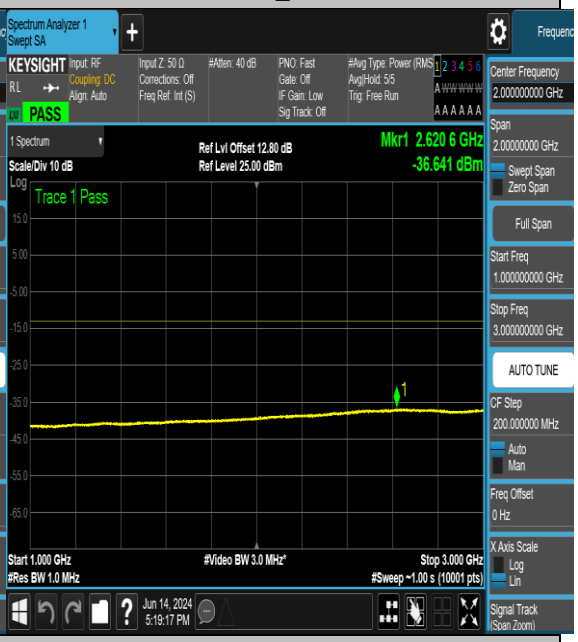

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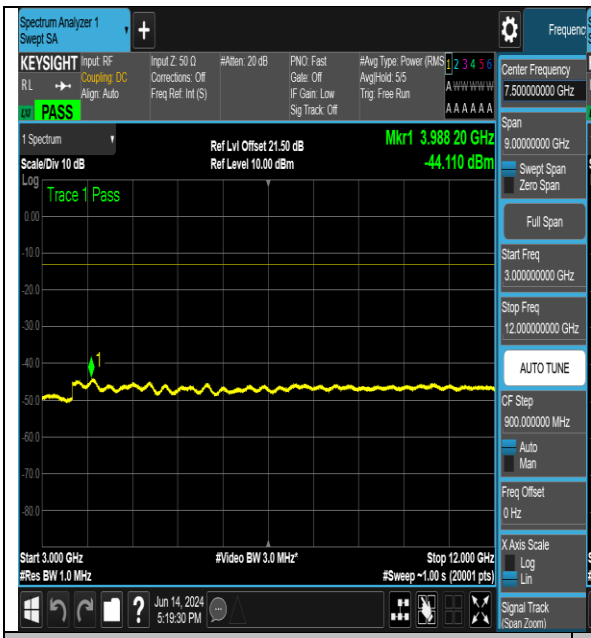

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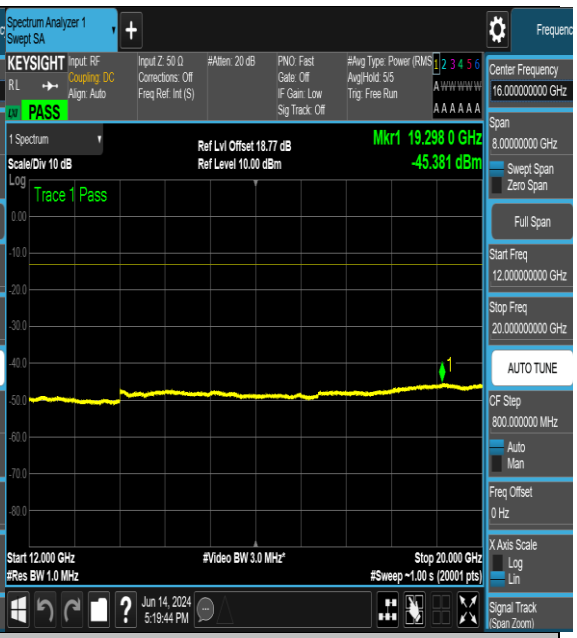

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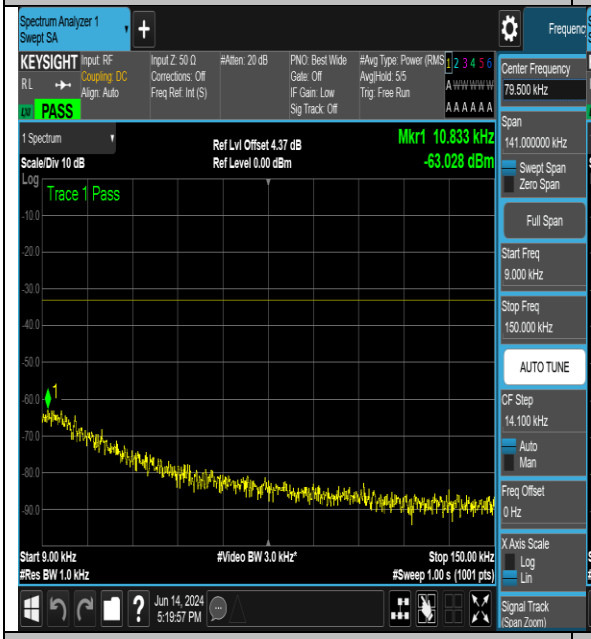

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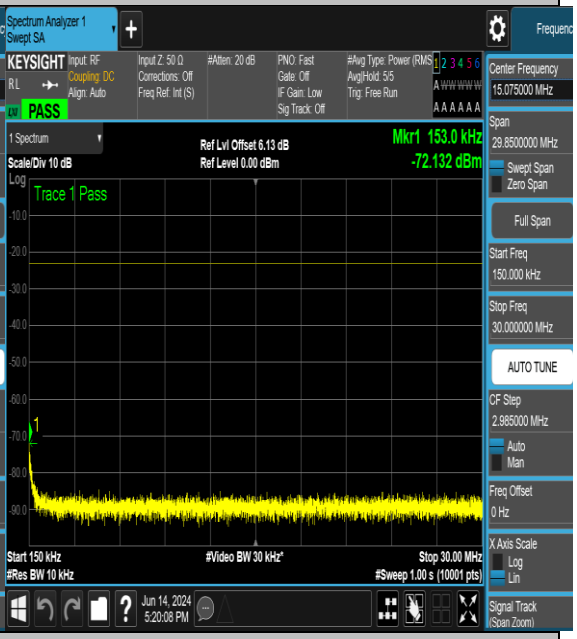

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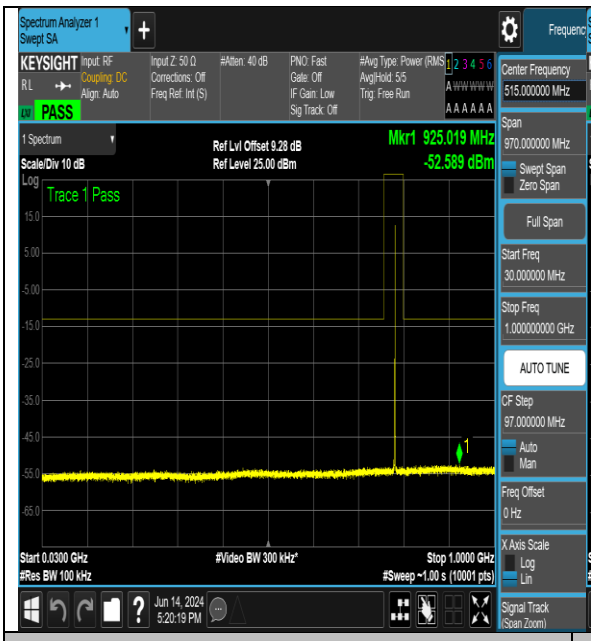

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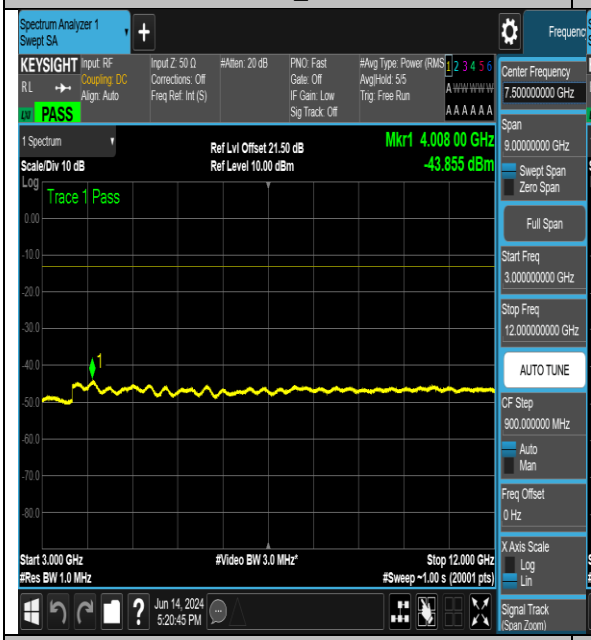

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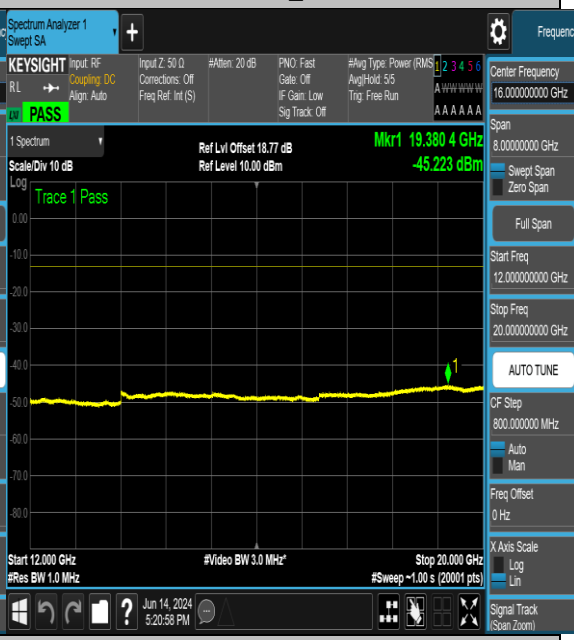

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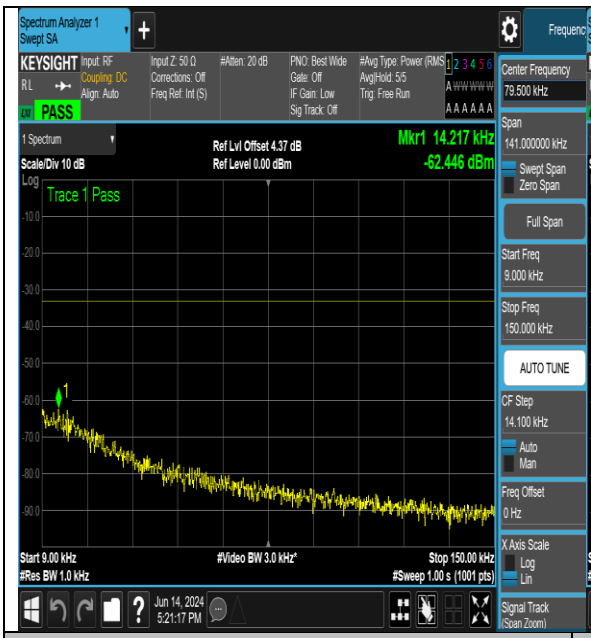

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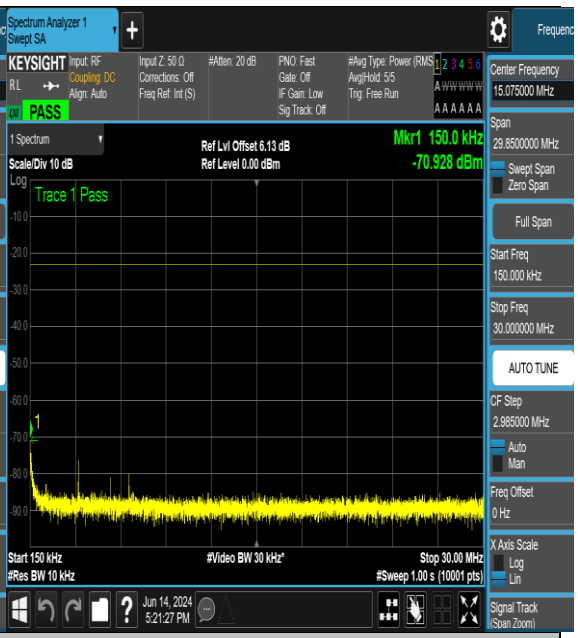

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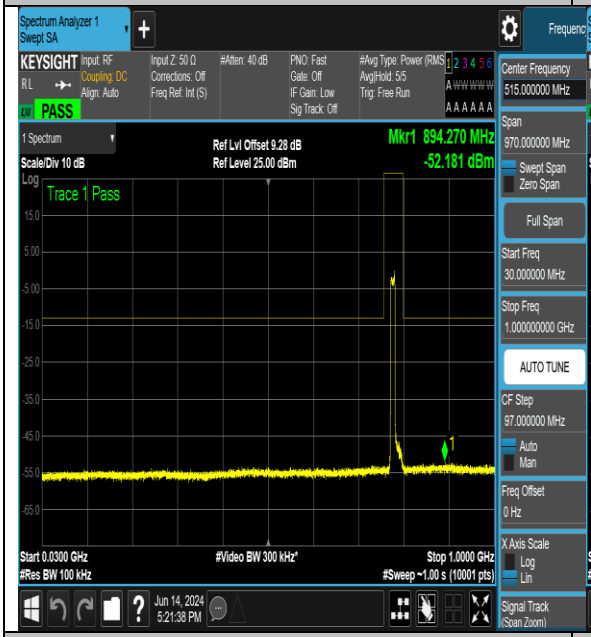

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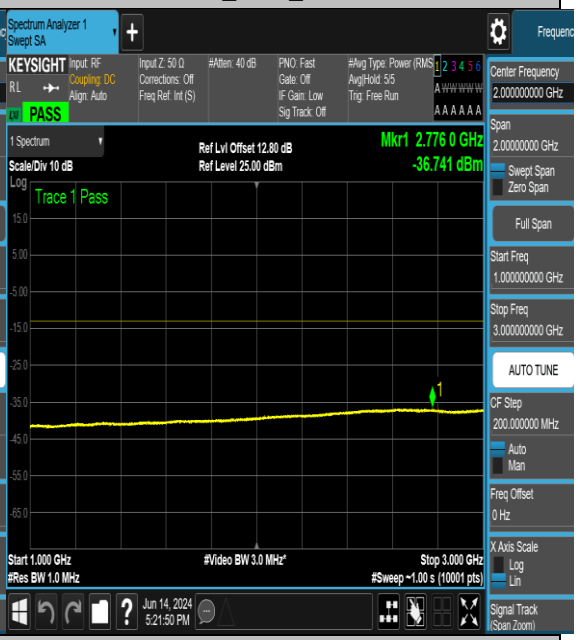

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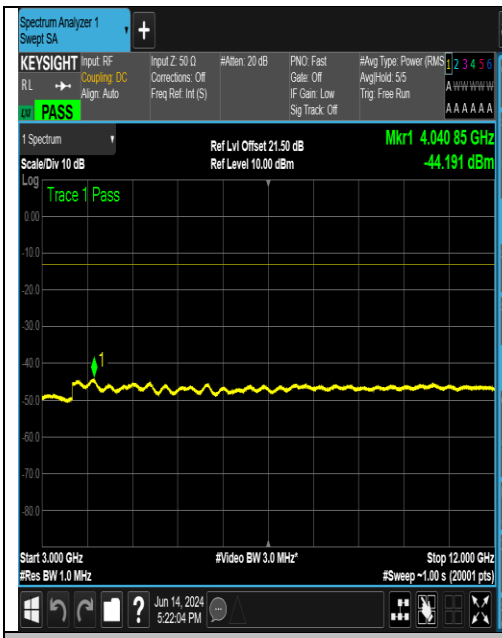

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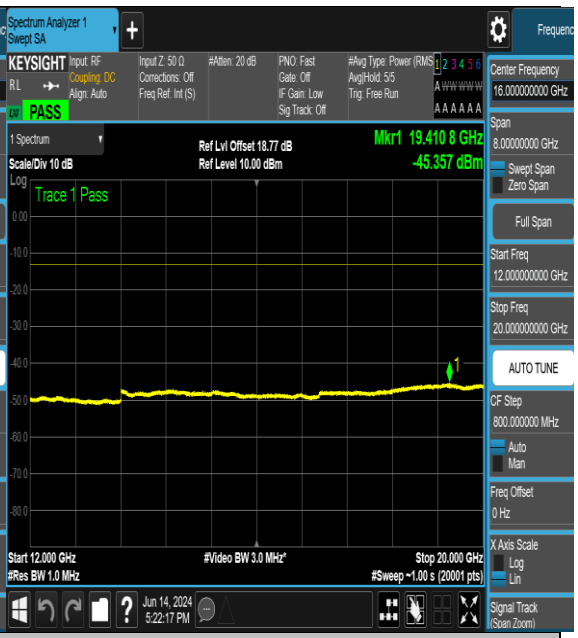

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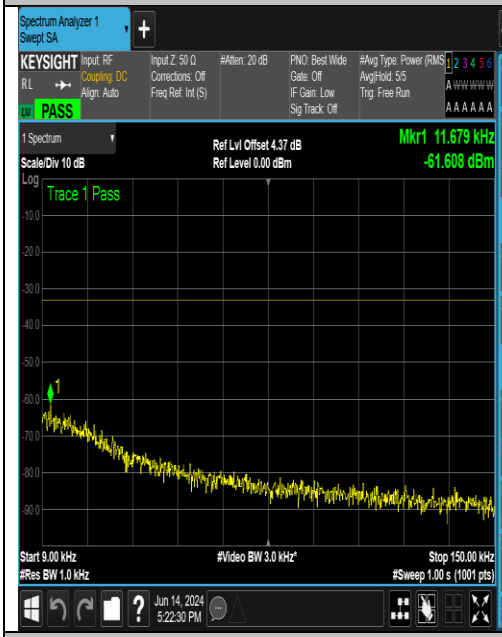

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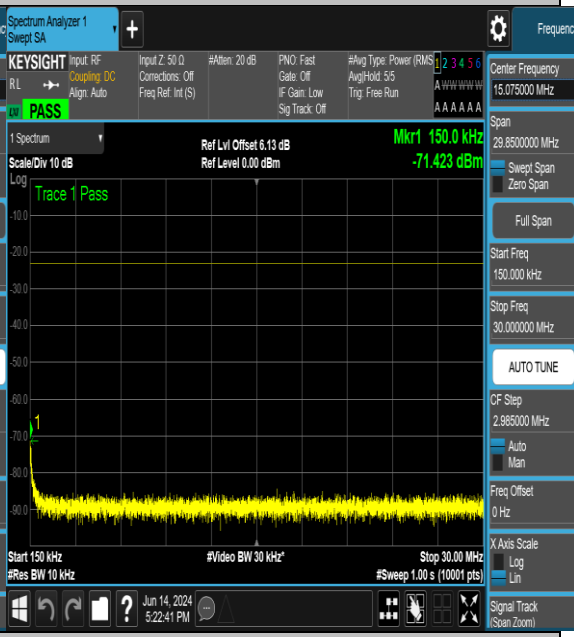

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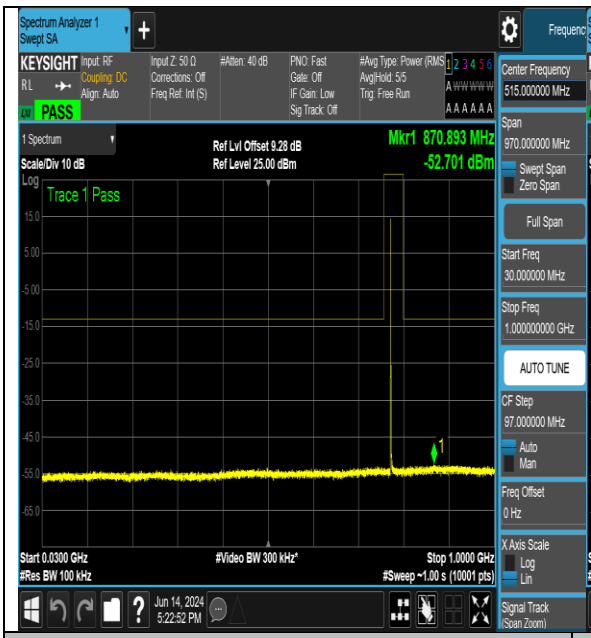

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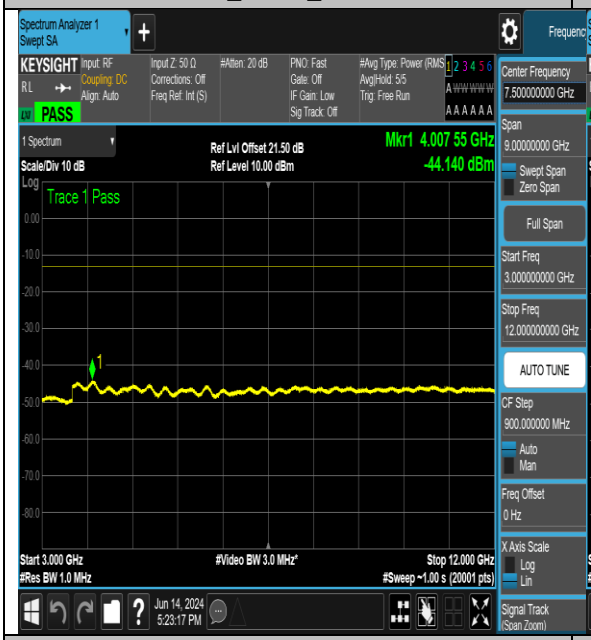

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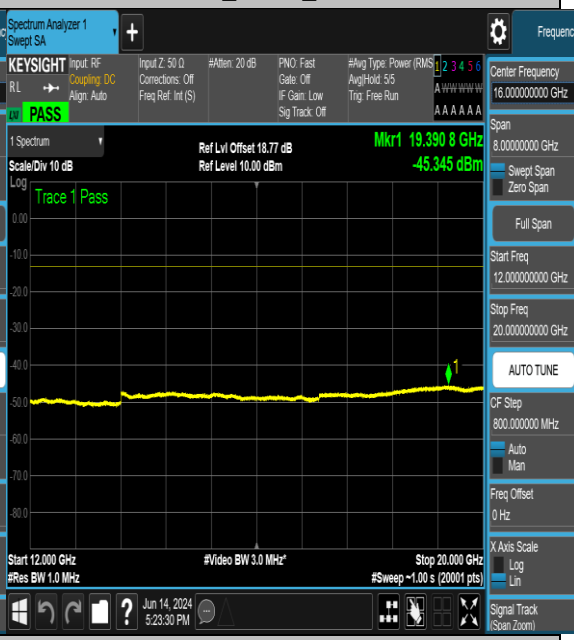

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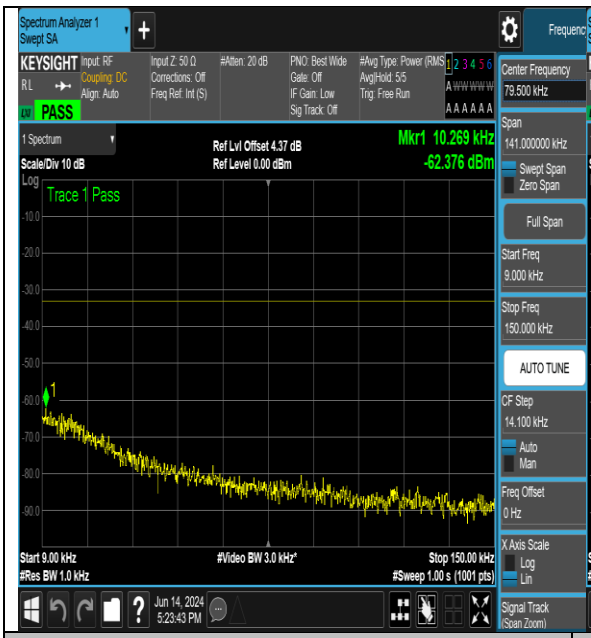

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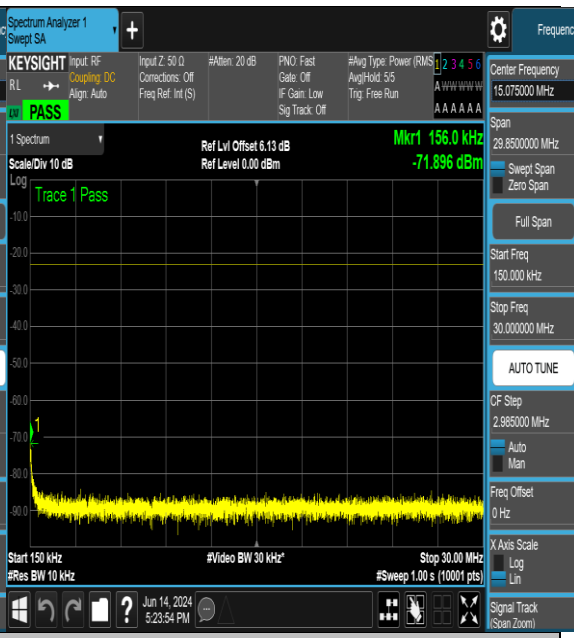

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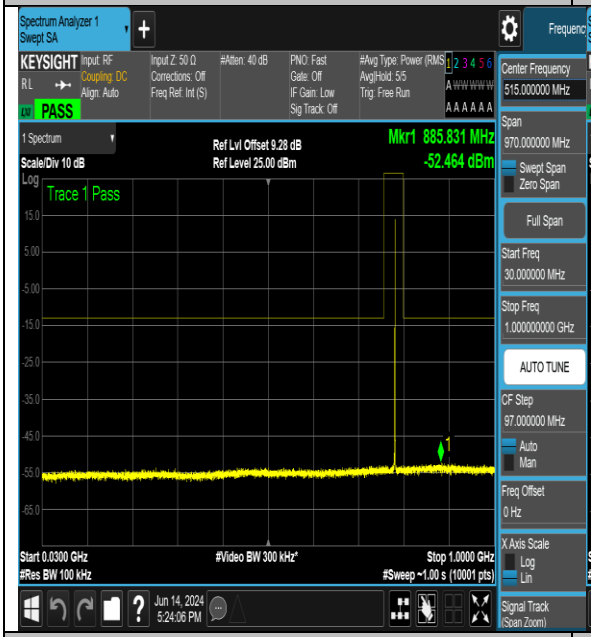

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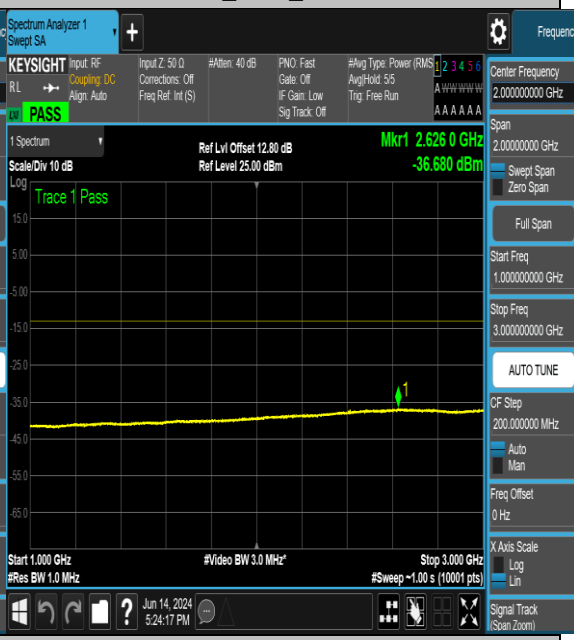

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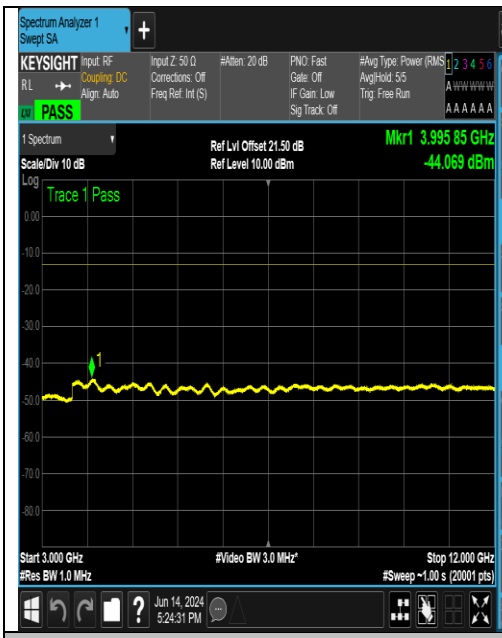

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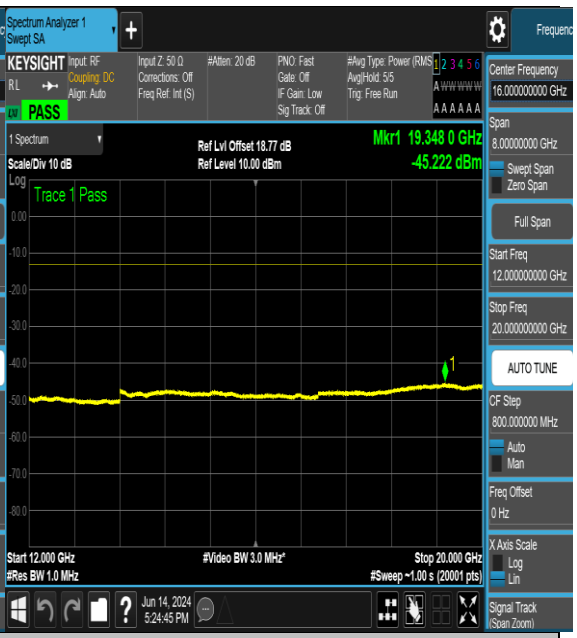

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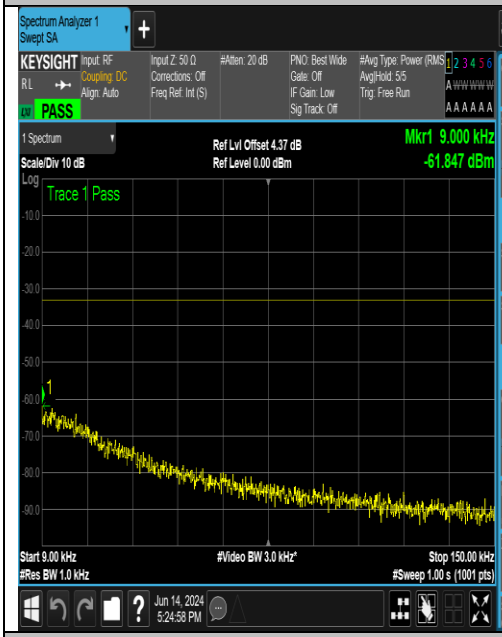

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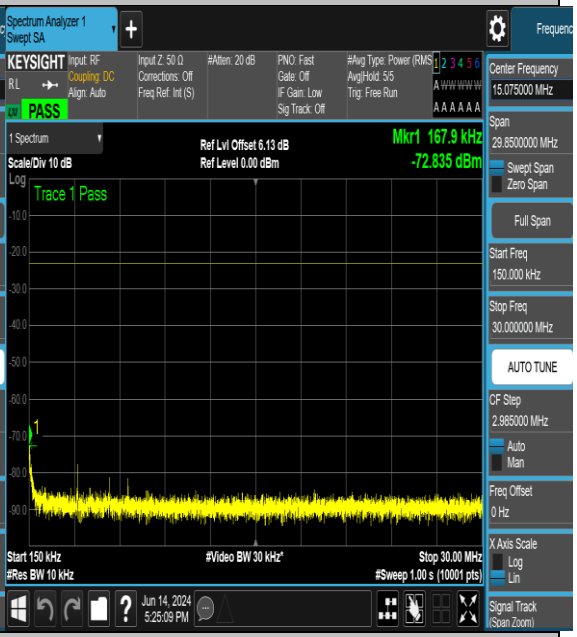

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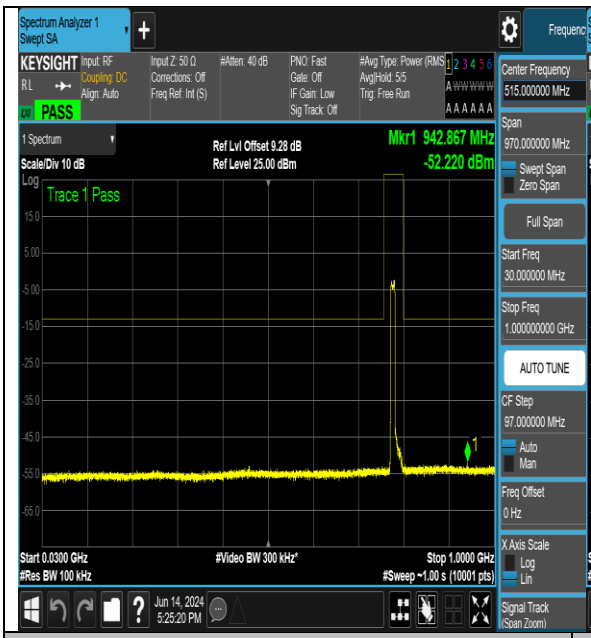

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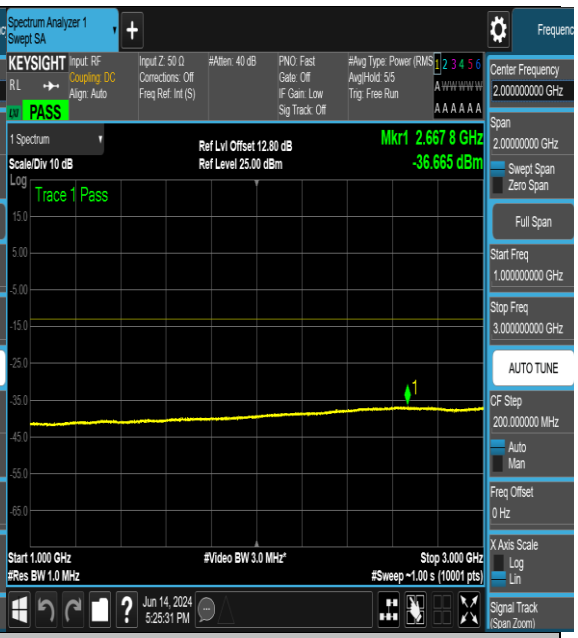

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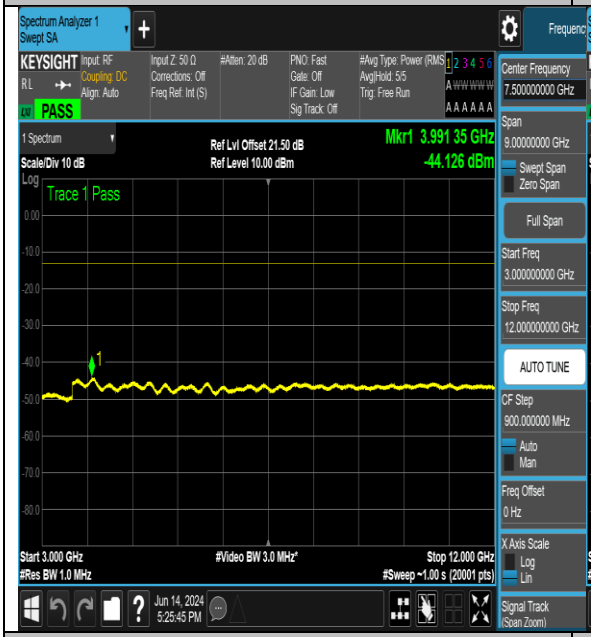

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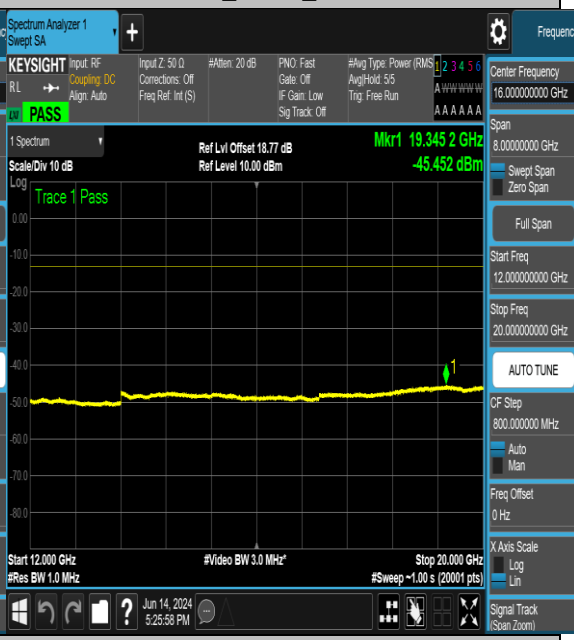

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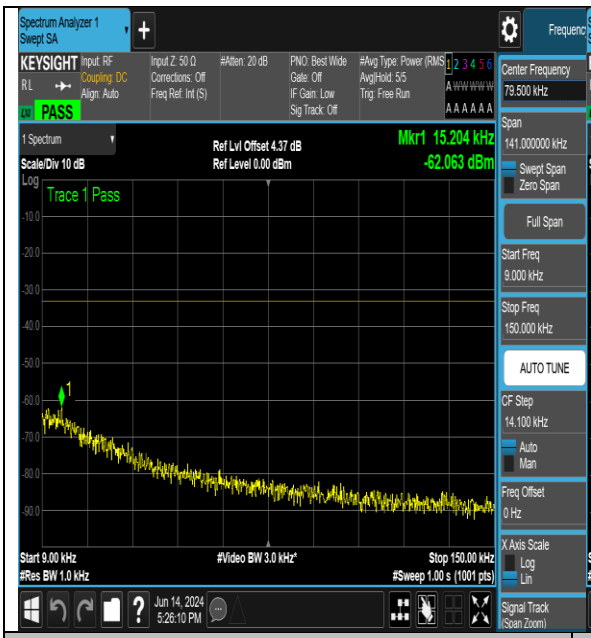

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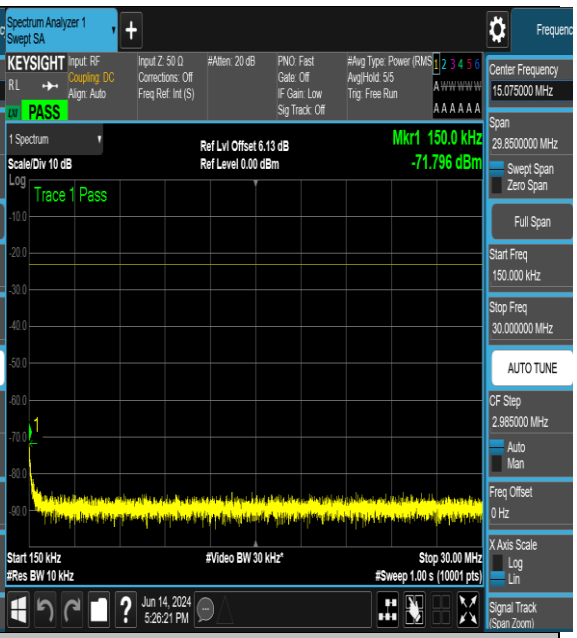

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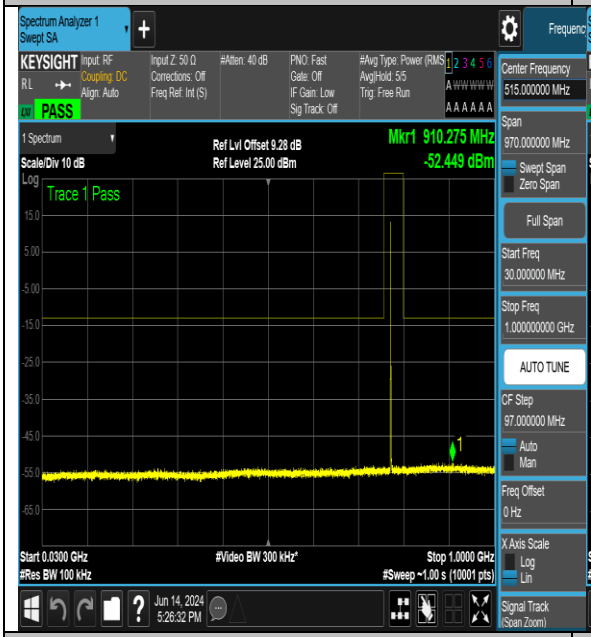

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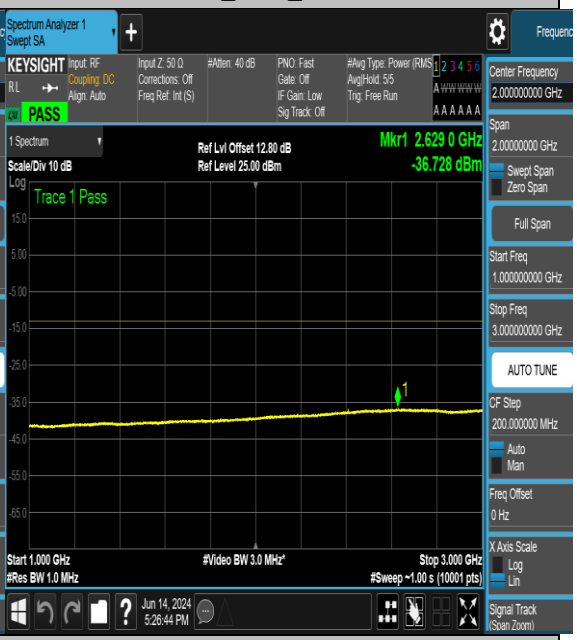

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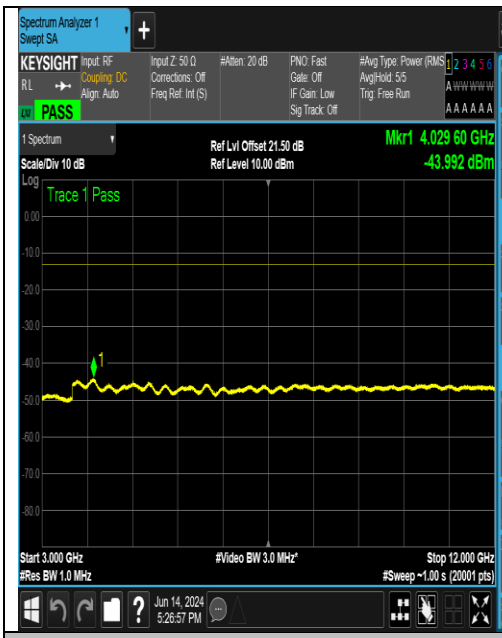

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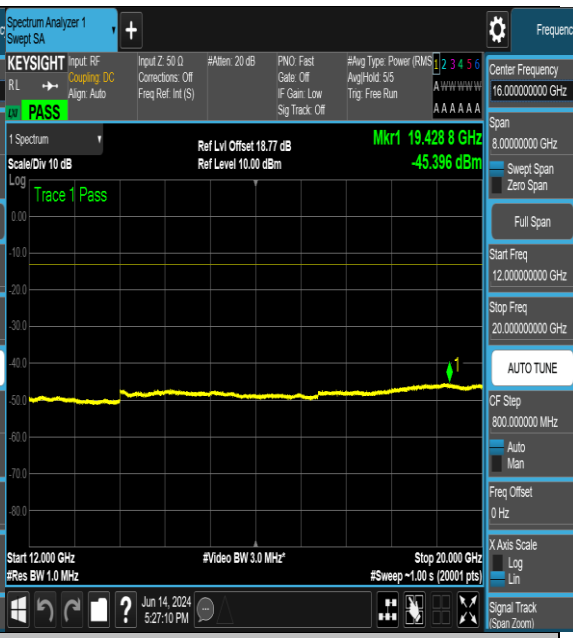

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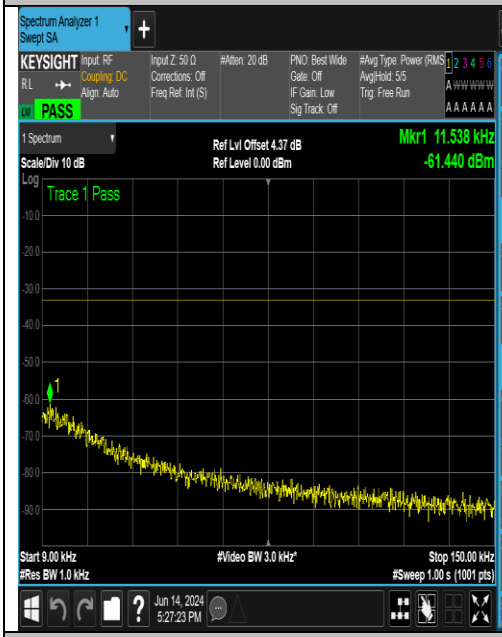

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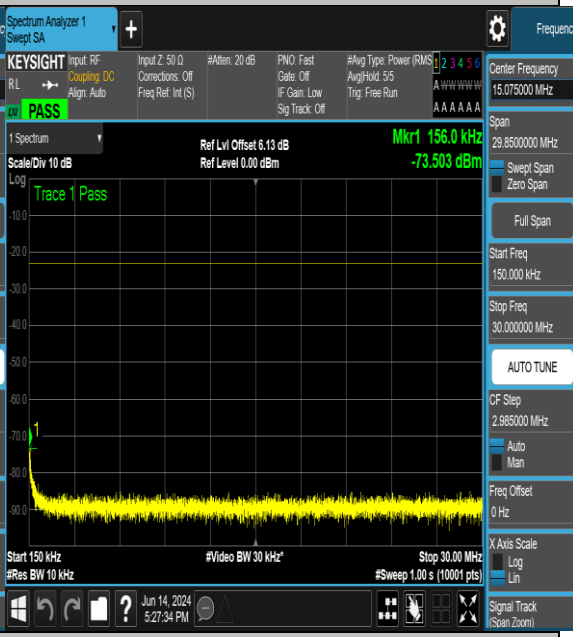

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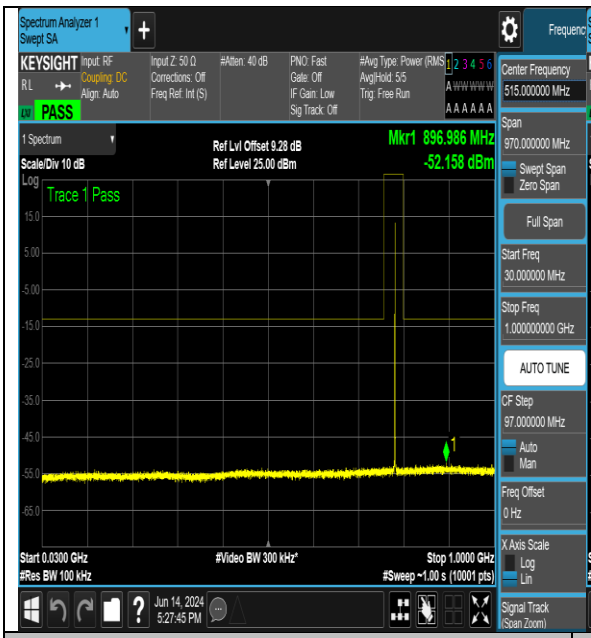

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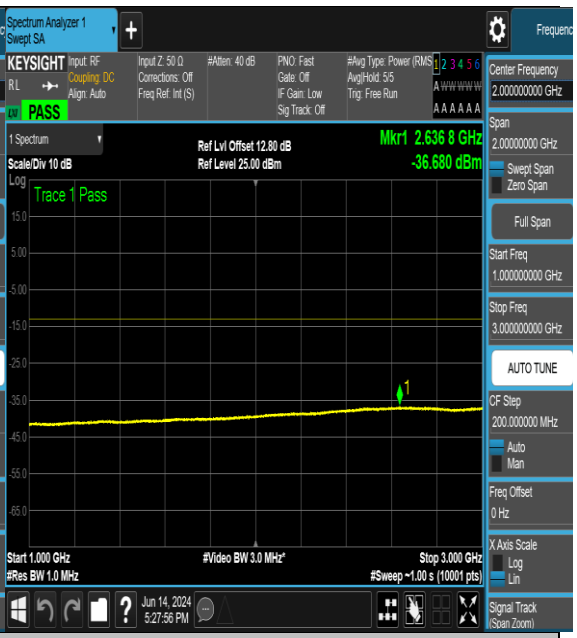

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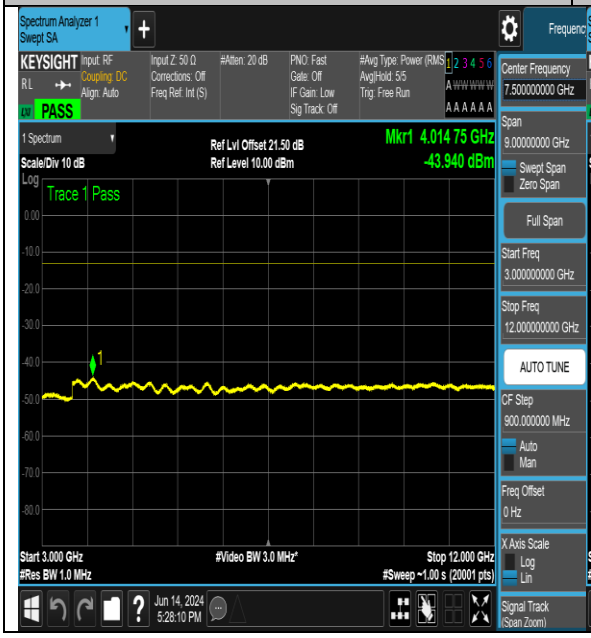

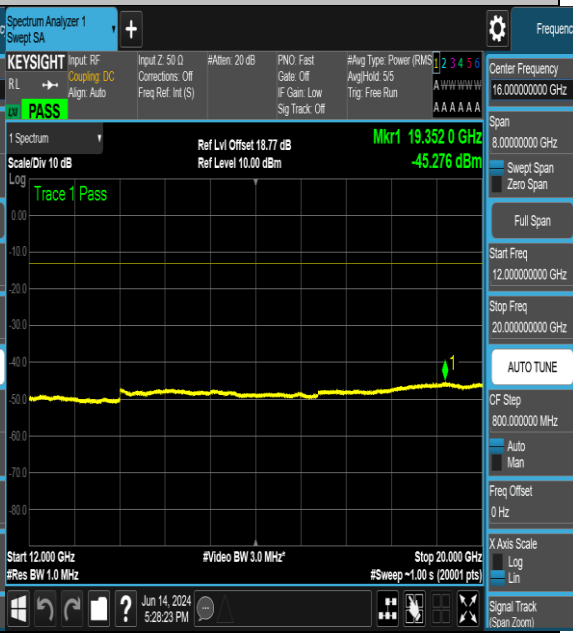

Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N13	15	5	DFT-QPSK	L	Outer_Full	VL	NT	13.000000	0.016677	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	VN	NT	17.000000	0.021809	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	VH	NT	7.000000	0.008980	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	VL	NT	2.000000	0.002566	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	VN	NT	9.000000	0.011546	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	VH	NT	8.000000	0.010263	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	VL	NT	15.000000	0.019182	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	VN	NT	9.000000	0.011509	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	VH	NT	11.000000	0.014066	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	VL	NT	8.000000	0.010230	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	VN	NT	15.000000	0.019182	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	VH	NT	17.000000	0.021739	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	VL	NT	10.000000	0.012747	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	VN	NT	5.000000	0.006373	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	VH	NT	16.000000	0.020395	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	VL	NT	9.000000	0.011472	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	VN	NT	16.000000	0.020395	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	VH	NT	18.000000	0.022945	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	VL	NT	4.000000	0.005115	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	VN	NT	14.000000	0.017903	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	VH	NT	1.000000	0.001279	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	VL	NT	16.000000	0.020460	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	VN	NT	10.000000	0.012788	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	VH	NT	12.000000	0.015345	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N13	15	5	DFT-QPSK	L	Outer_Full	NV	-30	9.000000	0.011546	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	-20	4.000000	0.005131	PASS

N13	15	5	DFT-QPSK	L	Outer_Full	NV	-10	15.000000	0.019243	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	0	2.000000	0.002566	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	10	13.000000	0.016677	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	20	15.000000	0.019243	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	30	17.000000	0.021809	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	40	19.000000	0.024375	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	NV	50	6.000000	0.007697	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	-30	13.000000	0.016677	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	-20	12.000000	0.015394	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	-10	18.000000	0.023092	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	0	1.000000	0.001283	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	10	12.000000	0.015394	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	20	14.000000	0.017960	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	30	10.000000	0.012829	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	40	13.000000	0.016677	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	NV	50	15.000000	0.019243	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	-30	13.000000	0.016624	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	-20	16.000000	0.020460	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	-10	15.000000	0.019182	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	0	14.000000	0.017903	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	10	16.000000	0.020460	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	20	18.000000	0.023018	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	30	5.000000	0.006394	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	40	1.000000	0.001279	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	NV	50	3.000000	0.003836	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	-30	19.000000	0.024297	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	-20	2.000000	0.002558	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	-10	4.000000	0.005115	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	0	6.000000	0.007673	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	10	18.000000	0.023018	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	20	1.000000	0.001279	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	30	3.000000	0.003836	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	40	5.000000	0.006394	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	NV	50	16.000000	0.020460	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	-30	3.000000	0.003824	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	-20	5.000000	0.006373	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	-10	1.000000	0.001275	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	0	3.000000	0.003824	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	10	2.000000	0.002549	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	20	4.000000	0.005099	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	30	6.000000	0.007648	PASS

N13	15	5	DFT-QPSK	H	Outer_Full	NV	40	2.000000	0.002549	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	NV	50	4.000000	0.005099	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	-30	5.000000	0.006373	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	-20	18.000000	0.022945	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	-10	17.000000	0.021670	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	0	7.000000	0.008923	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	10	10.000000	0.012747	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	20	2.000000	0.002549	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	30	4.000000	0.005099	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	40	7.000000	0.008923	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	NV	50	9.000000	0.011472	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	-30	3.000000	0.003836	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	-20	5.000000	0.006394	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	-10	7.000000	0.008951	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	0	5.000000	0.006394	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	10	17.000000	0.021739	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	20	3.000000	0.003836	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	30	2.000000	0.002558	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	40	13.000000	0.016624	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	NV	50	3.000000	0.003836	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	-30	14.000000	0.017903	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	-20	6.000000	0.007673	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	-10	8.000000	0.010230	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	0	19.000000	0.024297	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	10	6.000000	0.007673	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	20	12.000000	0.015345	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	30	11.000000	0.014066	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	40	13.000000	0.016624	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	NV	50	7.000000	0.008951	PASS