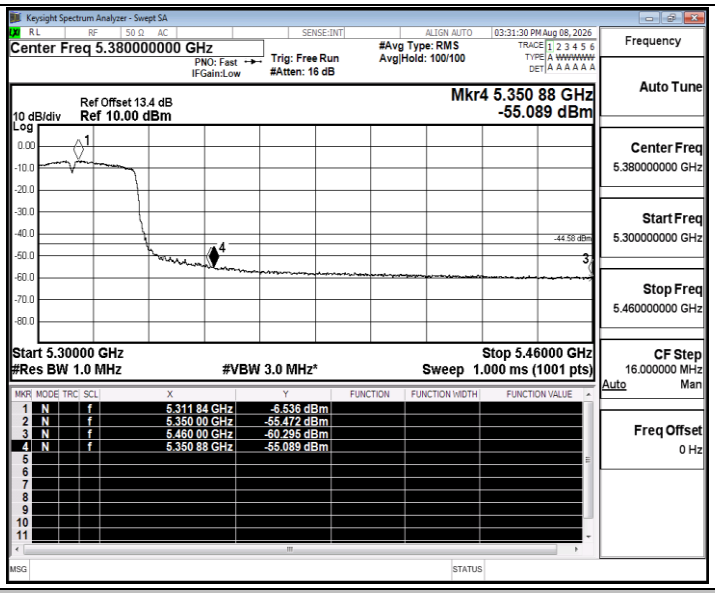
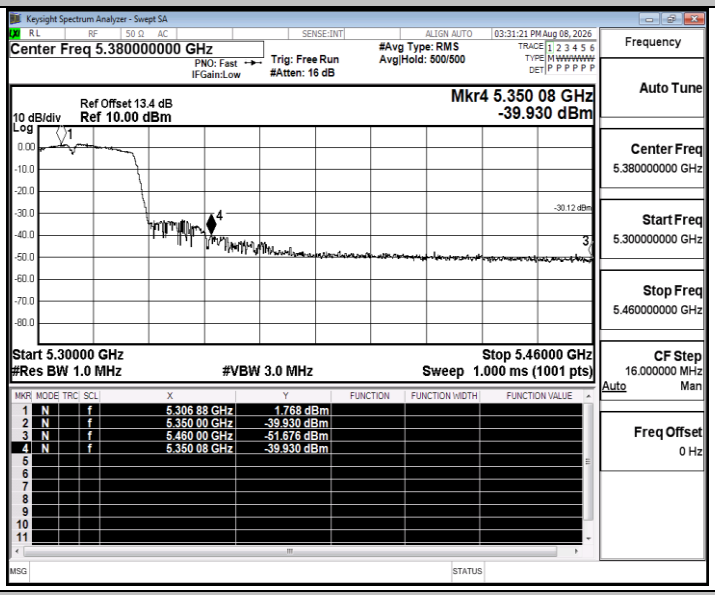
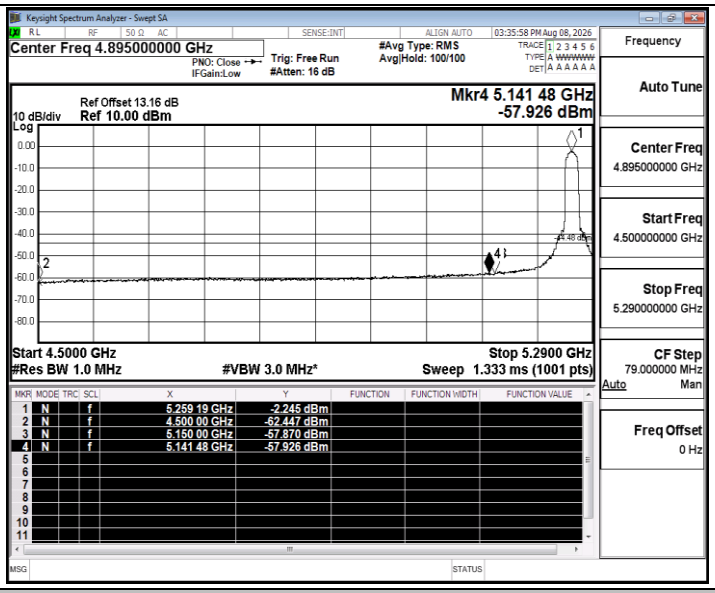


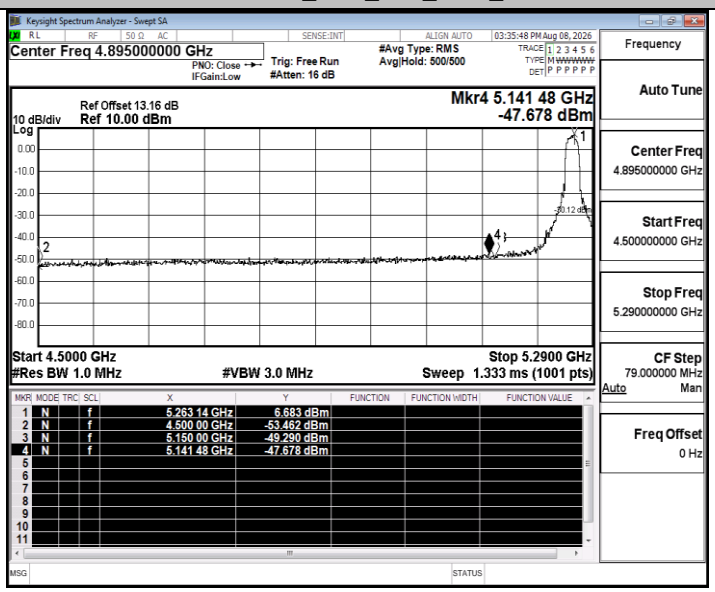
11N40SISO_Ant1_High_5310_Peak



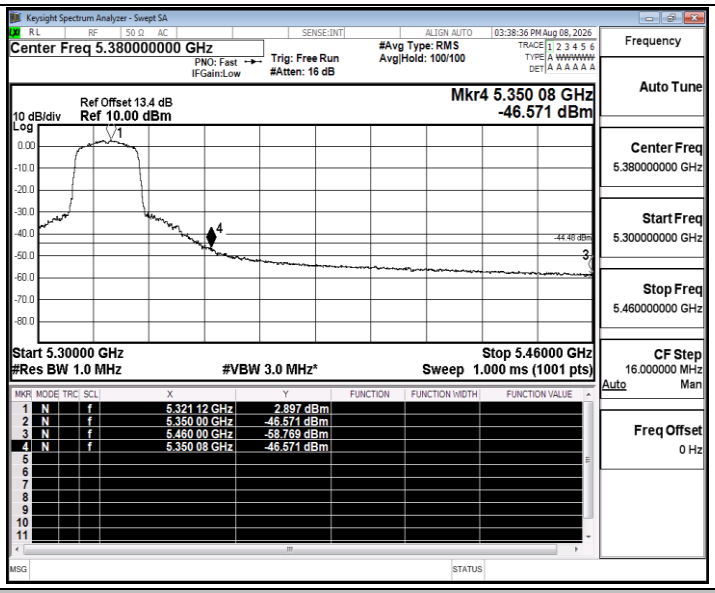
11AC20SISO_Ant1_Low_5260_AV



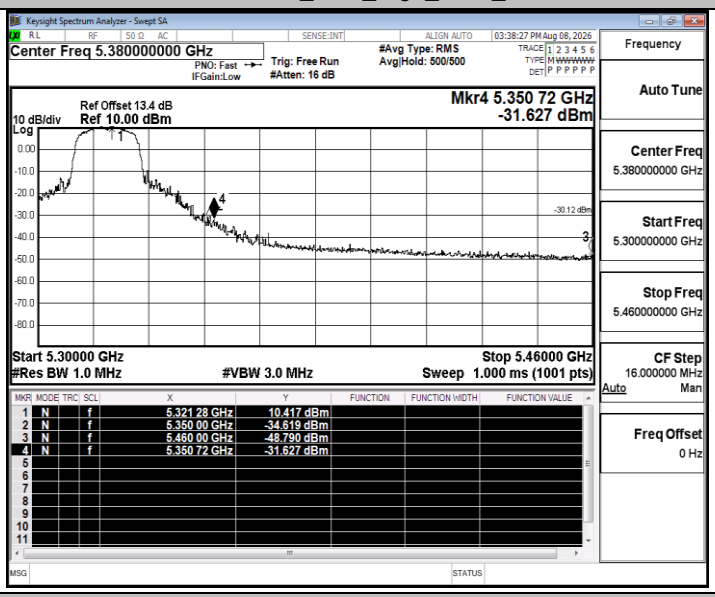
11AC20SISO_Ant1_Low_5260_Peak



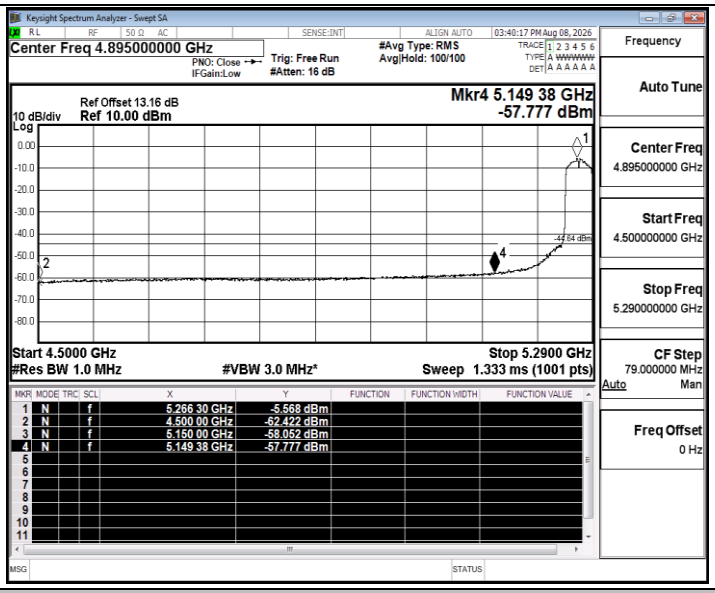
11AC20SISO_Ant1_High_5320_AV



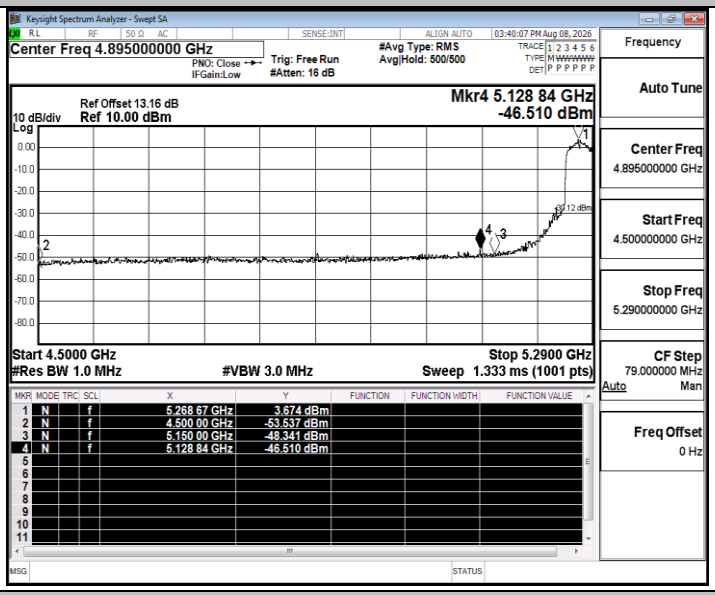
11AC20SISO_Ant1_High_5320_Peak



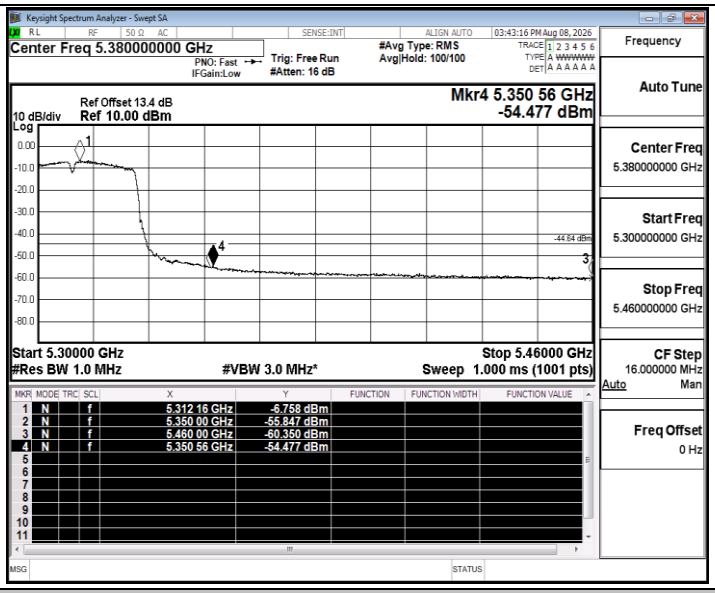
11AC40SISO_Ant1_Low_5270_AV



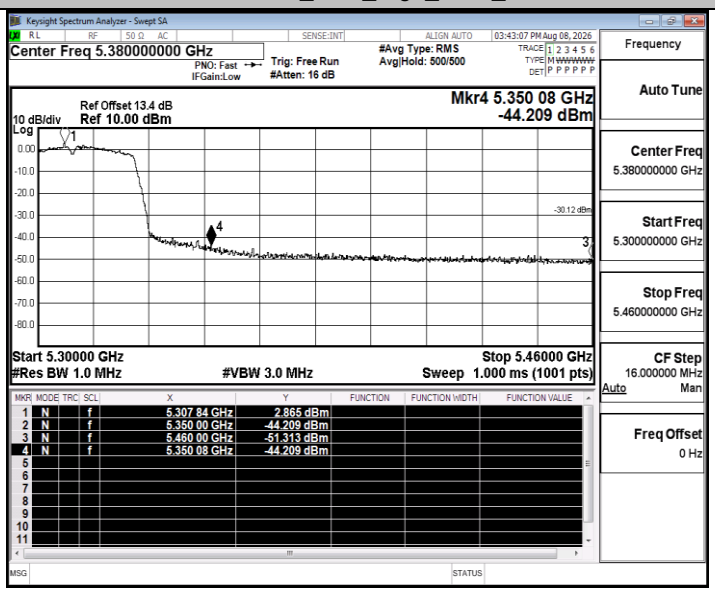
11AC40SISO_Ant1_Low_5270_Peak



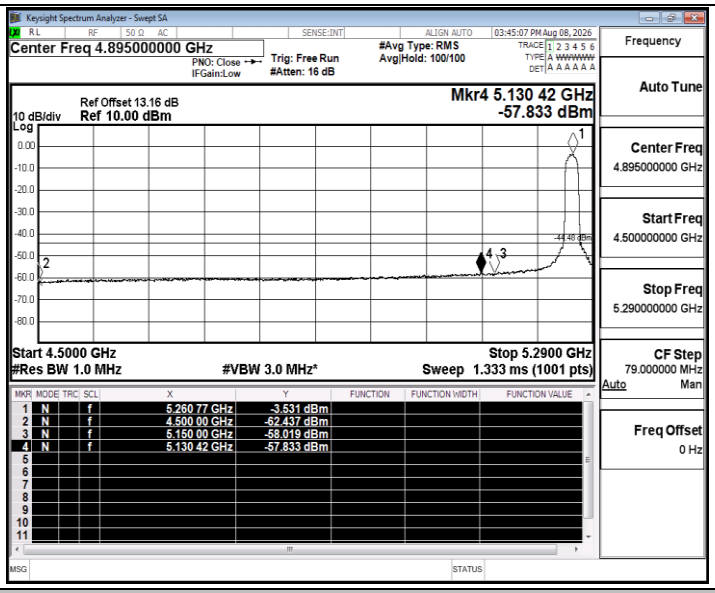
11AC40SISO_Ant1_High_5310_AV



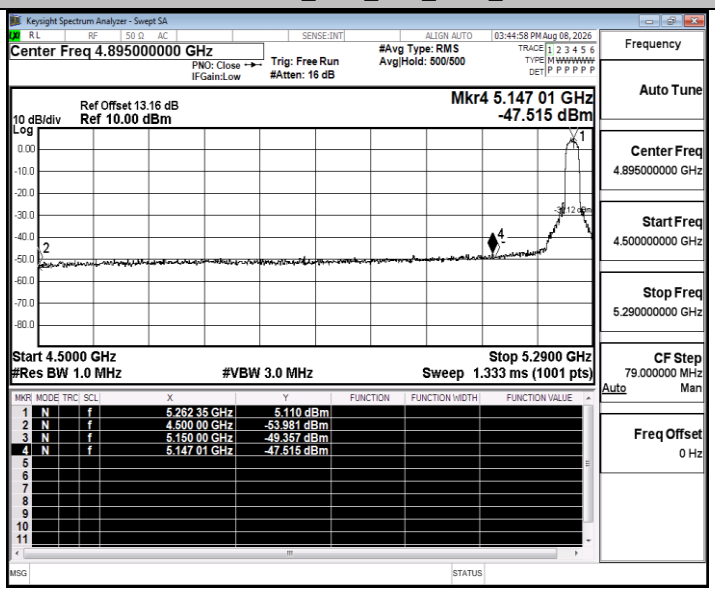
11AC40SISO_Ant1_High_5310_Peak



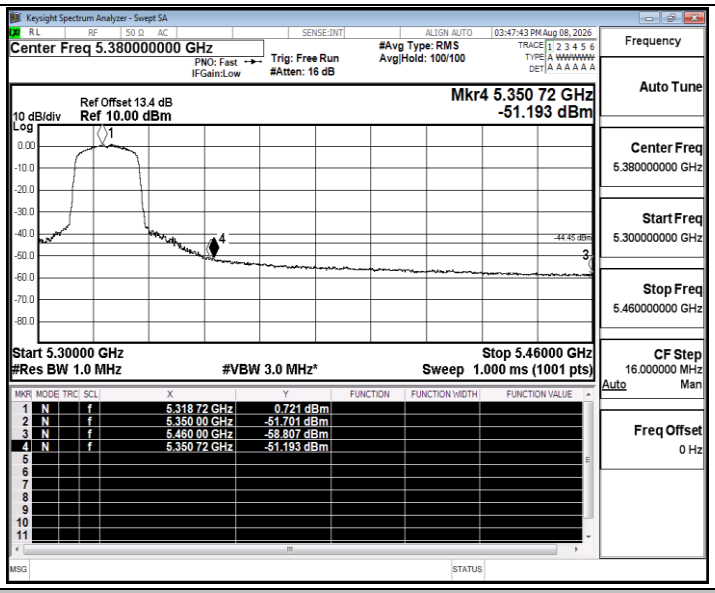
11AX20SISO_Ant1_Low_5260_AV



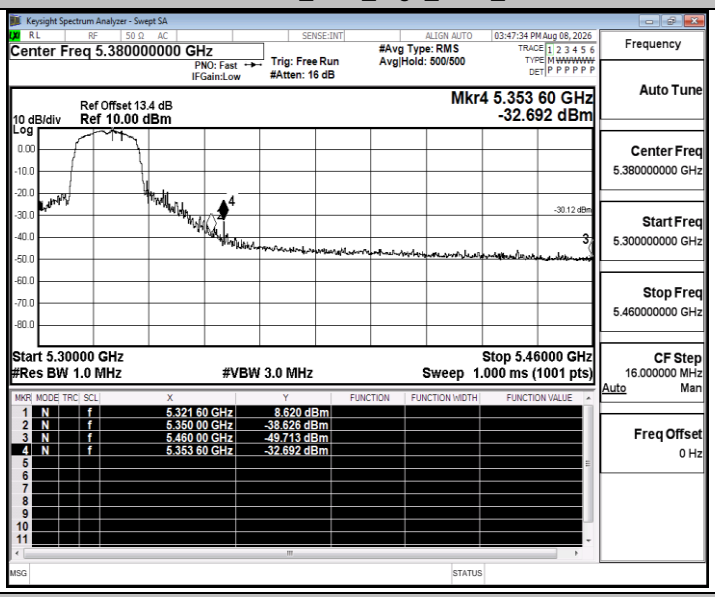
11AX20SISO_Ant1_Low_5260_Peak



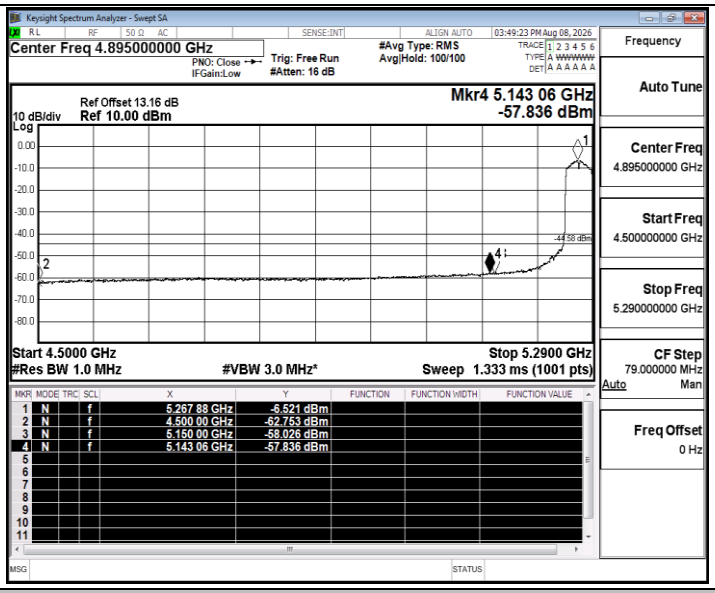
11AX20SISO_Ant1_High_5320_AV



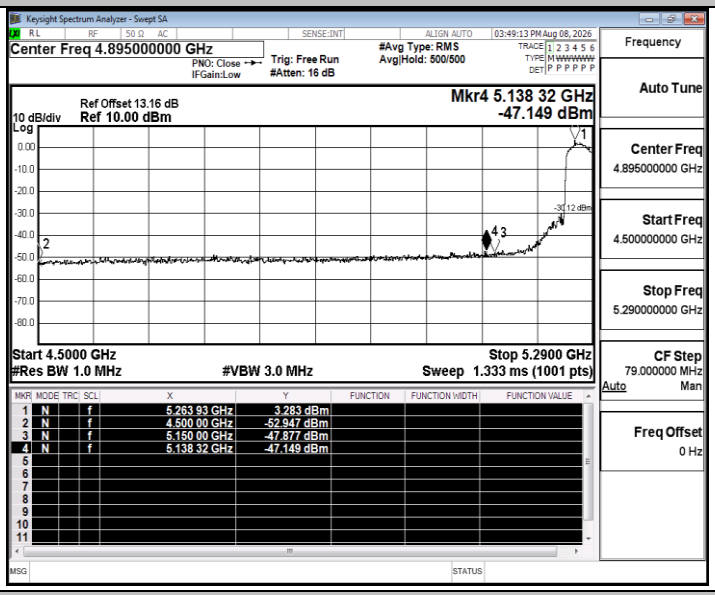
11AX20SISO_Ant1_High_5320_Peak



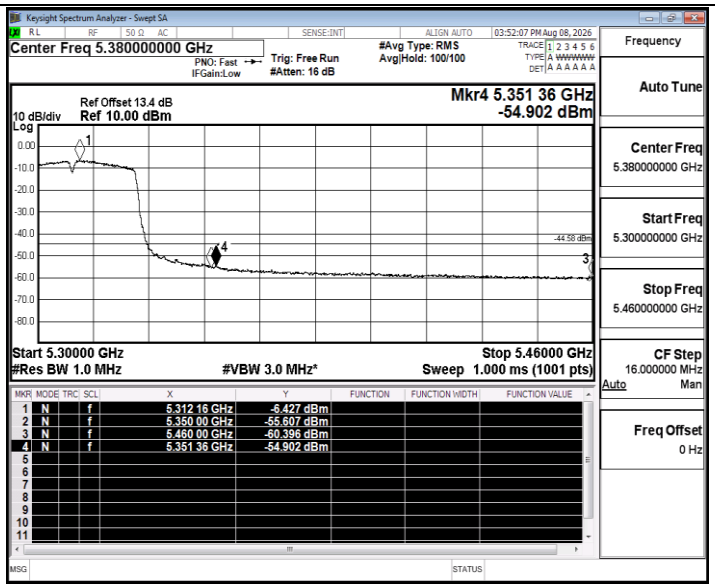
11AX40SISO_Ant1_Low_5270_AV



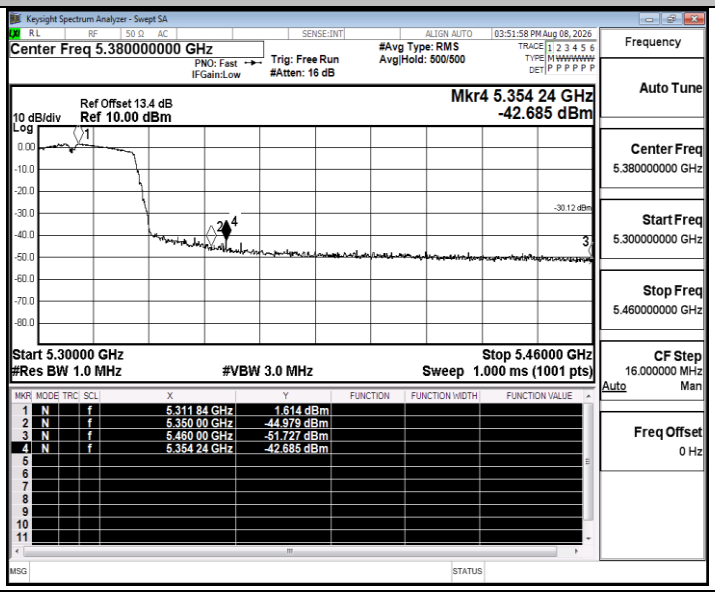
11AX40SISO_Ant1_Low_5270_Peak



11AX40SISO_Ant1_High_5310_AV



11AX40SISO_Ant1_High_5310_Peak



E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Freq (MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
			LV	NT	-40000.00	-7.604563	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5280	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-60000.00	-11.363636	20	PASS
		5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	-60000.00	-11.278195	20	PASS
11N20SISO	Ant1	5260	NV	NT	40000.00	7.604563	20	PASS
			LV	NT	20000.00	3.802281	20	PASS
			HV	NT	-40000.00	-7.604563	20	PASS
		5280	NV	NT	40000.00	7.575758	20	PASS
			LV	NT	-20000.00	-3.787879	20	PASS
			HV	NT	40000.00	7.575758	20	PASS
		5320	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	40000.00	7.575758	20	PASS
11N40SISO	Ant1	5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
		5310	NV	NT	-40000.00	-7.532957	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
11AC20SISO	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	-40000.00	-7.604563	20	PASS
		5280	NV	NT	-20000.00	-3.787879	20	PASS
			LV	NT	-100000.00	-18.939394	20	PASS
			HV	NT	20000.00	3.787879	20	PASS
		5320	NV	NT	-60000.00	-11.278195	20	PASS
			LV	NT	-40000.00	-7.518797	20	PASS
			HV	NT	-40000.00	-7.518797	20	PASS
11AC40SISO	Ant1	5270	NV	NT	0.00	0.000000	20	PASS

			LV	NT	0.00	0.000000	20	PASS
			HV	NT	80000.00	15.065913	20	PASS
		5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	80000.00	15.065913	20	PASS
			HV	NT	80000.00	15.065913	20	PASS
11AX20SISO	Ant1	5260	NV	NT	20000.00	3.802281	20	PASS
			LV	NT	-40000.00	-7.604563	20	PASS
			HV	NT	-100000.00	-19.011407	20	PASS
		5280	NV	NT	-20000.00	-3.787879	20	PASS
			LV	NT	-20000.00	-3.787879	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5320	NV	NT	-60000.00	-11.278195	20	PASS
			LV	NT	-60000.00	-11.278195	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AX40SISO	Ant1	5270	NV	NT	-80000.00	-15.180266	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
		5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS

Temperature								
TestMode	Antenna	Freq (MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.802281	20	PASS
			NV	10	-40000.00	-7.604563	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-60000.00	-11.406844	20	PASS
			NV	40	-60000.00	-11.406844	20	PASS
			NV	50	-40000.00	-7.604563	20	PASS
		5280	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	-20000.00	-3.787879	20	PASS
			NV	-10	-60000.00	-11.363636	20	PASS
			NV	0	-80000.00	-15.151515	20	PASS
			NV	10	20000.00	3.787879	20	PASS
			NV	20	-60000.00	-11.363636	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	-40000.00	-7.575758	20	PASS
		5320	NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	-40000.00	-7.518797	20	PASS
			NV	-10	-60000.00	-11.278195	20	PASS
			NV	0	-60000.00	-11.278195	20	PASS
			NV	10	-60000.00	-11.278195	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-60000.00	-11.278195	20	PASS
			NV	40	-40000.00	-7.518797	20	PASS
			NV	50	60000.00	11.278195	20	PASS
11N20SISO	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-60000.00	-11.406844	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	20000.00	3.802281	20	PASS
			NV	10	-60000.00	-11.406844	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5280	NV	-30	60000.00	11.363636	20	PASS
			NV	-20	-40000.00	-7.575758	20	PASS

			NV	-10	-80000.00	-15.151515	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-60000.00	-11.363636	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	-40000.00	-7.575758	20	PASS
		5320	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-100000.00	-18.796992	20	PASS
			NV	-10	-20000.00	-3.759398	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-80000.00	-15.037594	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
11N40SISO	Ant1	5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	40000.00	7.590133	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.590133	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.590133	20	PASS
			NV	50	40000.00	7.590133	20	PASS
		5310	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-80000.00	-15.065913	20	PASS
			NV	-10	-80000.00	-15.065913	20	PASS
			NV	0	-80000.00	-15.065913	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-80000.00	-15.065913	20	PASS
			NV	30	-80000.00	-15.065913	20	PASS
			NV	40	-80000.00	-15.065913	20	PASS
			NV	50	-80000.00	-15.065913	20	PASS
11AC20SISO	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-60000.00	-11.406844	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-80000.00	-15.209125	20	PASS

			NV	40	-40000.00	-7.604563	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
		5280	NV	-30	-40000.00	-7.575758	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	20000.00	3.787879	20	PASS
			NV	20	-40000.00	-7.575758	20	PASS
			NV	30	-80000.00	-15.151515	20	PASS
			NV	40	-80000.00	-15.151515	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5320	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.518797	20	PASS
			NV	-10	-40000.00	-7.518797	20	PASS
			NV	0	20000.00	3.759398	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-80000.00	-15.037594	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
11AC40SISO	Ant1	5270	NV	-30	40000.00	7.590133	20	PASS
			NV	-20	40000.00	7.590133	20	PASS
			NV	-10	40000.00	7.590133	20	PASS
			NV	0	40000.00	7.590133	20	PASS
			NV	10	-40000.00	-7.590133	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-40000.00	-7.590133	20	PASS
			NV	50	-40000.00	-7.590133	20	PASS
		5310	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	-40000.00	-7.532957	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-80000.00	-15.065913	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	40000.00	7.532957	20	PASS
			NV	50	40000.00	7.532957	20	PASS
11AX20SISO	Ant1	5260	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-80000.00	-15.209125	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS

			NV	0	-40000.00	-7.604563	20	PASS
			NV	10	-60000.00	-11.406844	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.802281	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5280	NV	-30	-40000.00	-7.575758	20	PASS
			NV	-20	20000.00	3.787879	20	PASS
			NV	-10	20000.00	3.787879	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-60000.00	-11.363636	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	-80000.00	-15.151515	20	PASS
			NV	40	-60000.00	-11.363636	20	PASS
			NV	50	-60000.00	-11.363636	20	PASS
		5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	20000.00	3.759398	20	PASS
			NV	-10	20000.00	3.759398	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-60000.00	-11.278195	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	-60000.00	-11.278195	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AX40SISO	Ant1	5270	NV	-30	-80000.00	-15.180266	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	-40000.00	-7.590133	20	PASS
			NV	0	-80000.00	-15.180266	20	PASS
			NV	10	-80000.00	-15.180266	20	PASS
			NV	20	40000.00	7.590133	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-80000.00	-15.180266	20	PASS
			NV	50	40000.00	7.590133	20	PASS
		5310	NV	-30	-80000.00	-15.065913	20	PASS
			NV	-20	-80000.00	-15.065913	20	PASS
			NV	-10	-80000.00	-15.065913	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	-80000.00	-15.065913	20	PASS
			NV	40	-80000.00	-15.065913	20	PASS

			NV	50	-80000.00	-15.065913	20	PASS

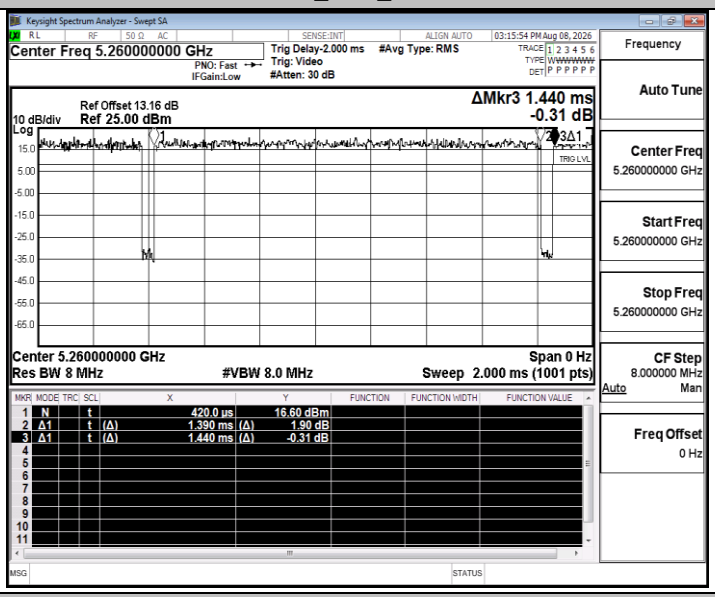
E.6 Duty Cycle

Test Result

TestMode	Antenna	Freq (MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	Limit	Verdict
11A	Ant1	5260	1.39	1.44	96.53	0.15	---	---
		5280	1.38	1.43	96.50	0.15	---	---
		5320	1.39	1.44	96.53	0.15	---	---
11N20SISO	Ant1	5260	1.30	1.34	97.01	0.13	---	---
		5280	1.30	1.34	97.01	0.13	---	---
		5320	1.31	1.35	97.04	0.13	---	---
11N40SISO	Ant1	5270	0.65	0.70	92.86	0.32	---	---
		5310	0.65	0.69	94.20	0.26	---	---
11AC20SISO	Ant1	5260	1.31	1.36	96.32	0.16	---	---
		5280	1.31	1.36	96.32	0.16	---	---
		5320	1.31	1.36	96.32	0.16	---	---
11AC40SISO	Ant1	5270	0.65	0.70	92.86	0.32	---	---
		5310	0.65	0.70	92.86	0.32	---	---
11AX20SISO	Ant1	5260	1.31	1.36	96.32	0.16	---	---
		5280	1.31	1.36	96.32	0.16	---	---
		5320	1.31	1.35	97.04	0.13	---	---
11AX40SISO	Ant1	5270	0.66	0.70	94.29	0.26	---	---
		5310	0.66	0.70	94.29	0.26	---	---

Test Graphs

11A_Ant1_5260



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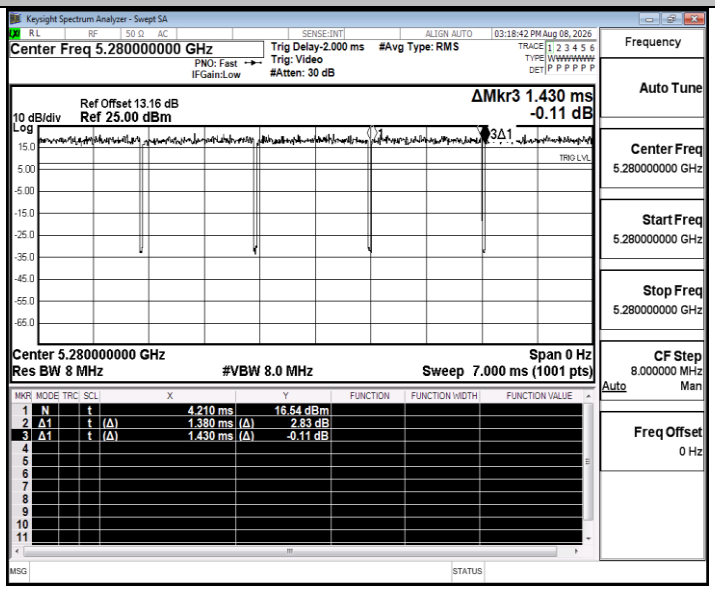

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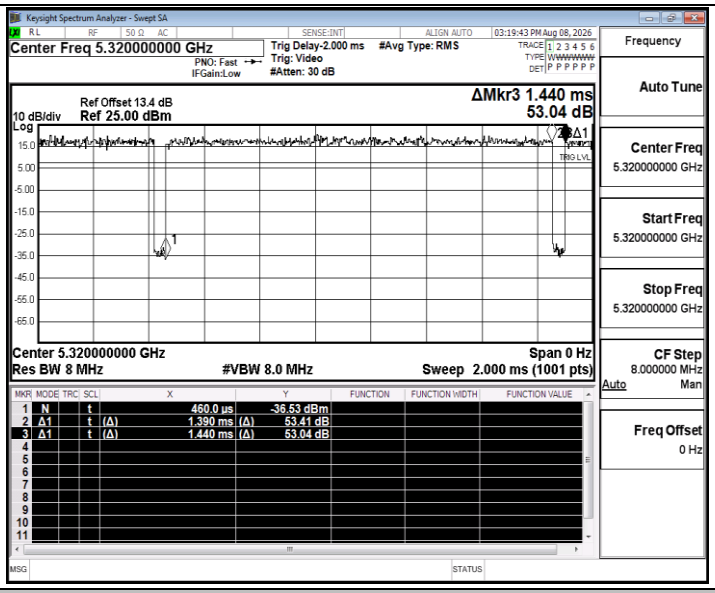

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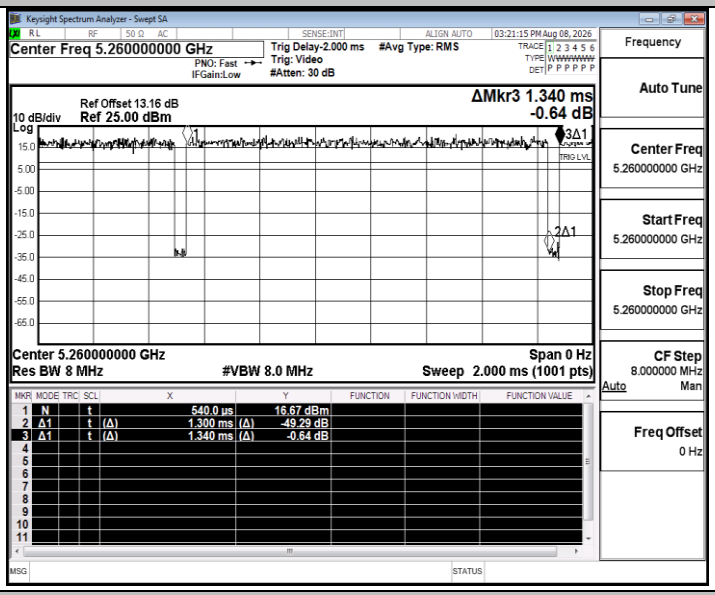

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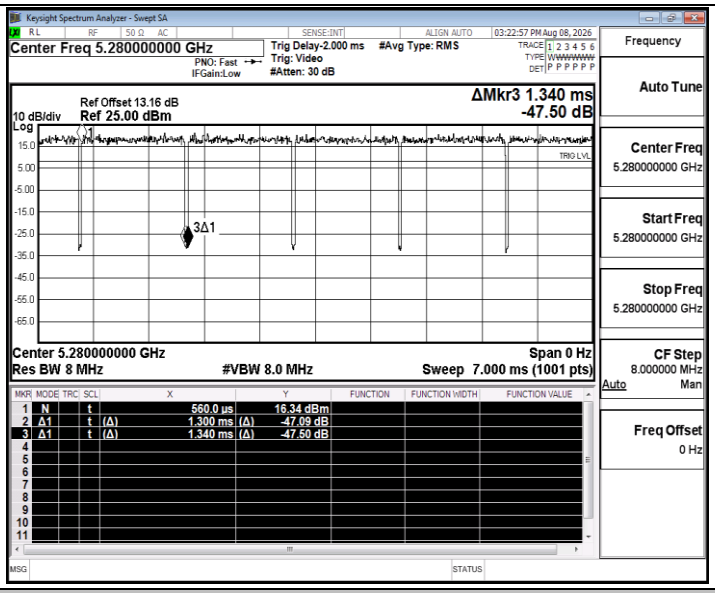

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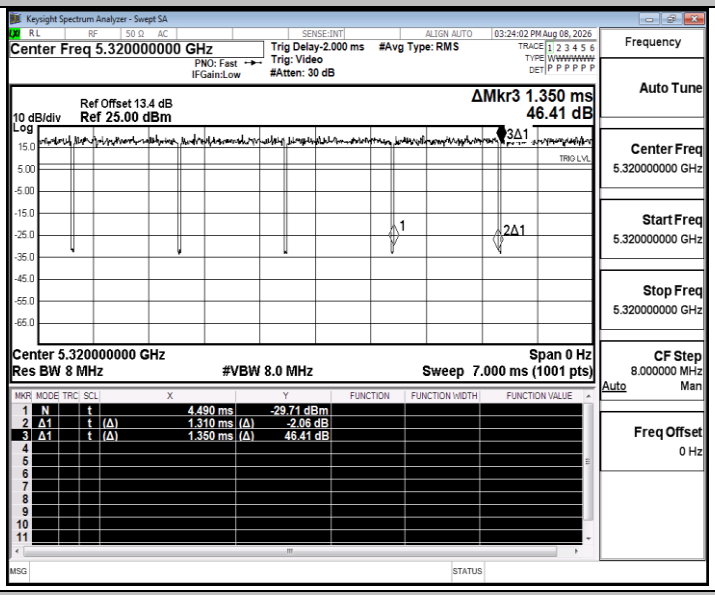

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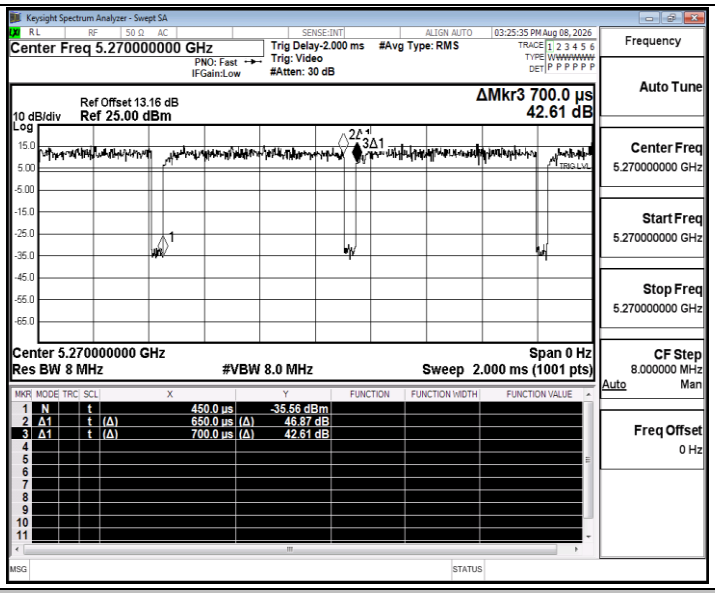

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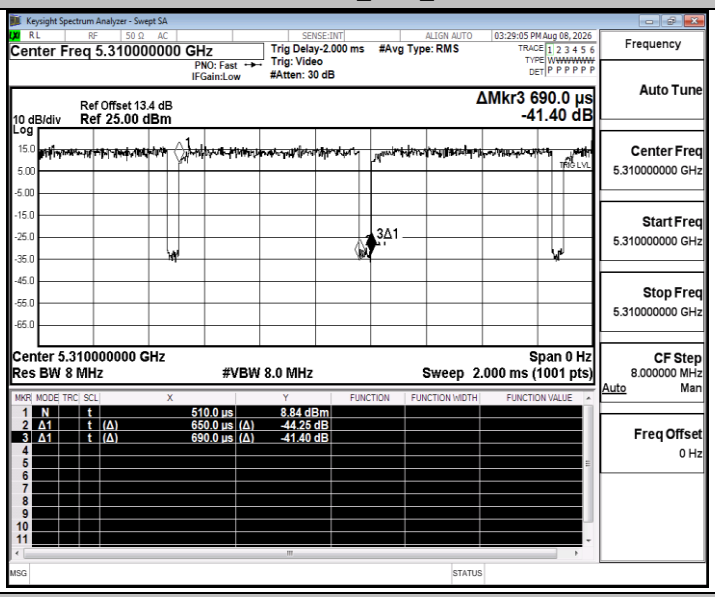

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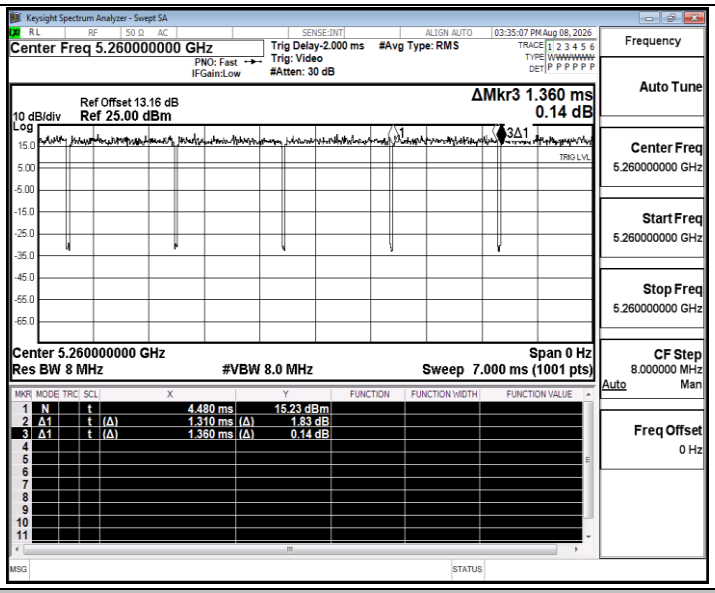

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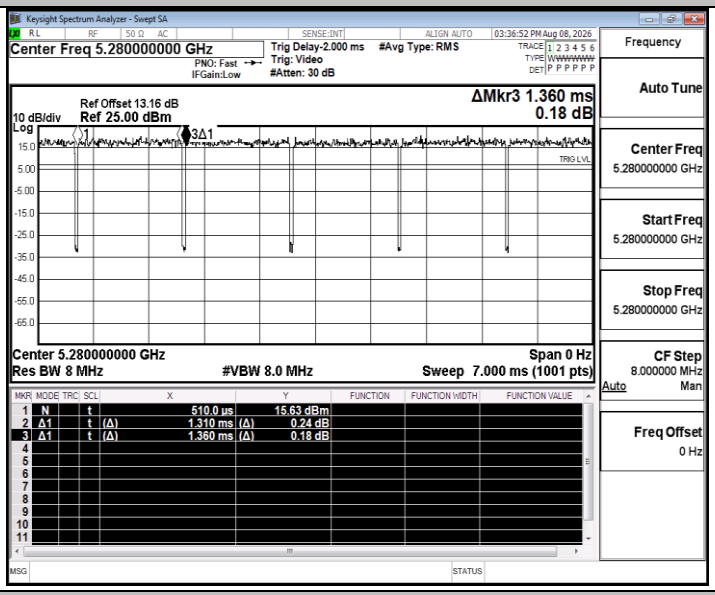

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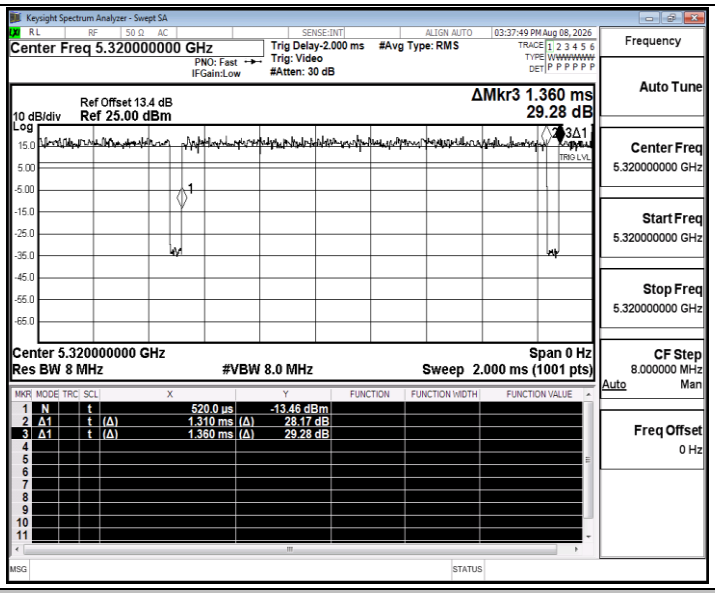

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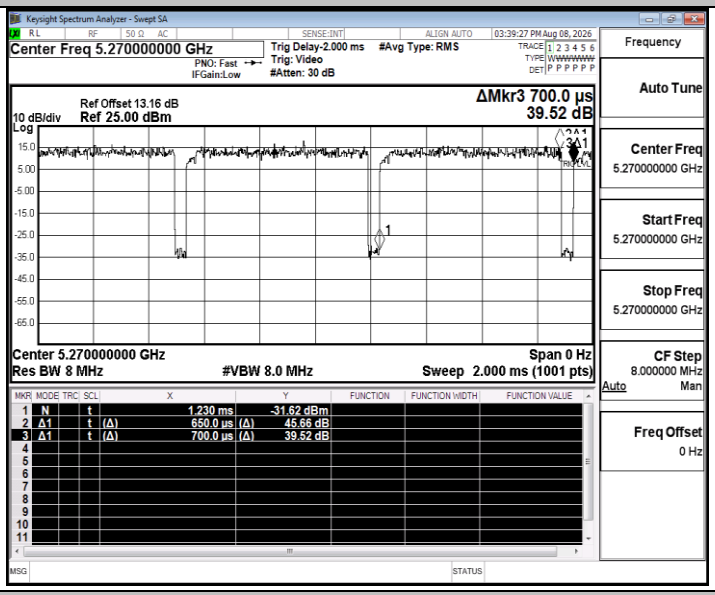

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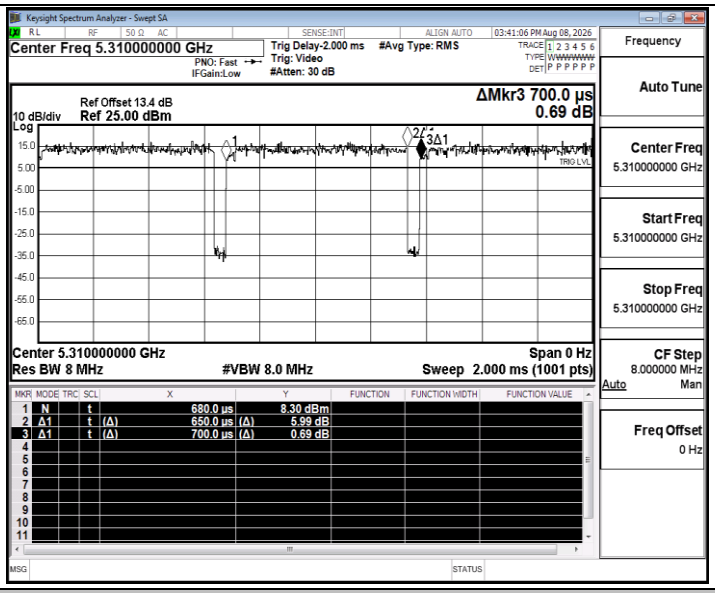

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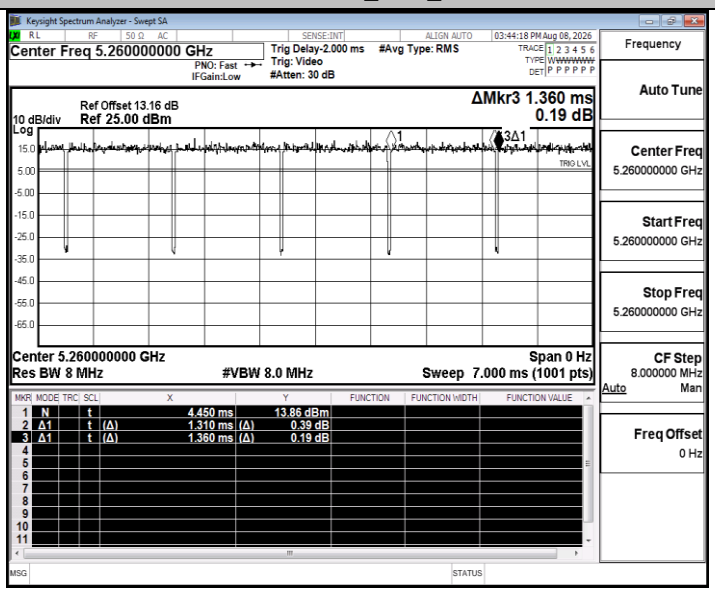

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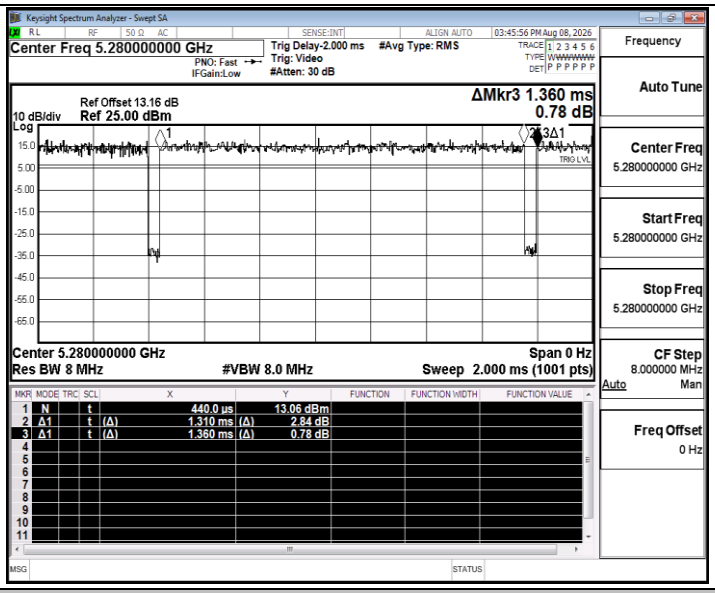

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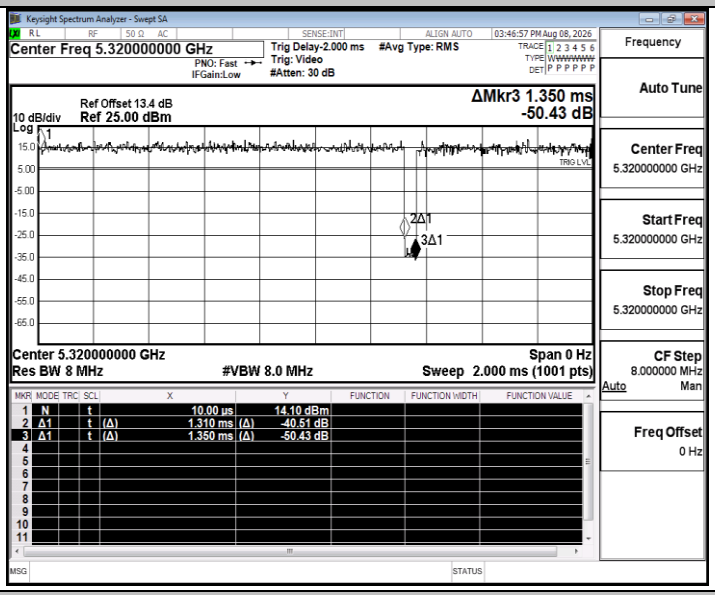

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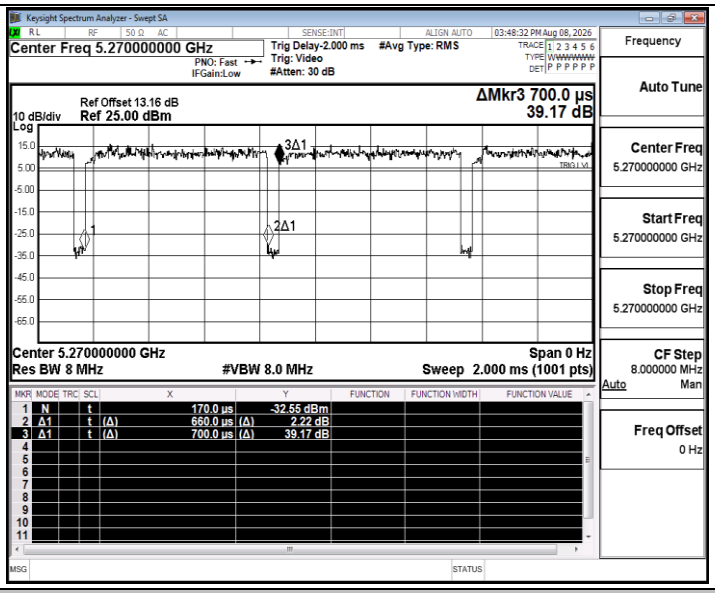
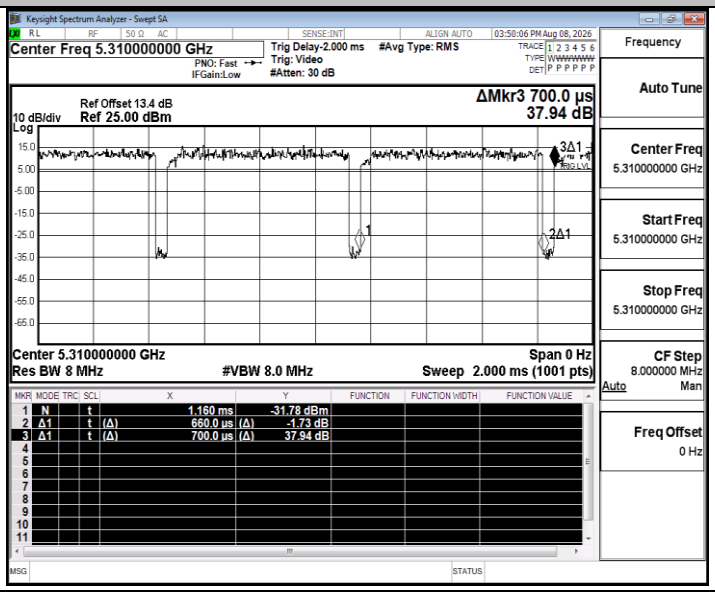
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