

Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: Car Radio

Test Model: A5

Environmental Conditions

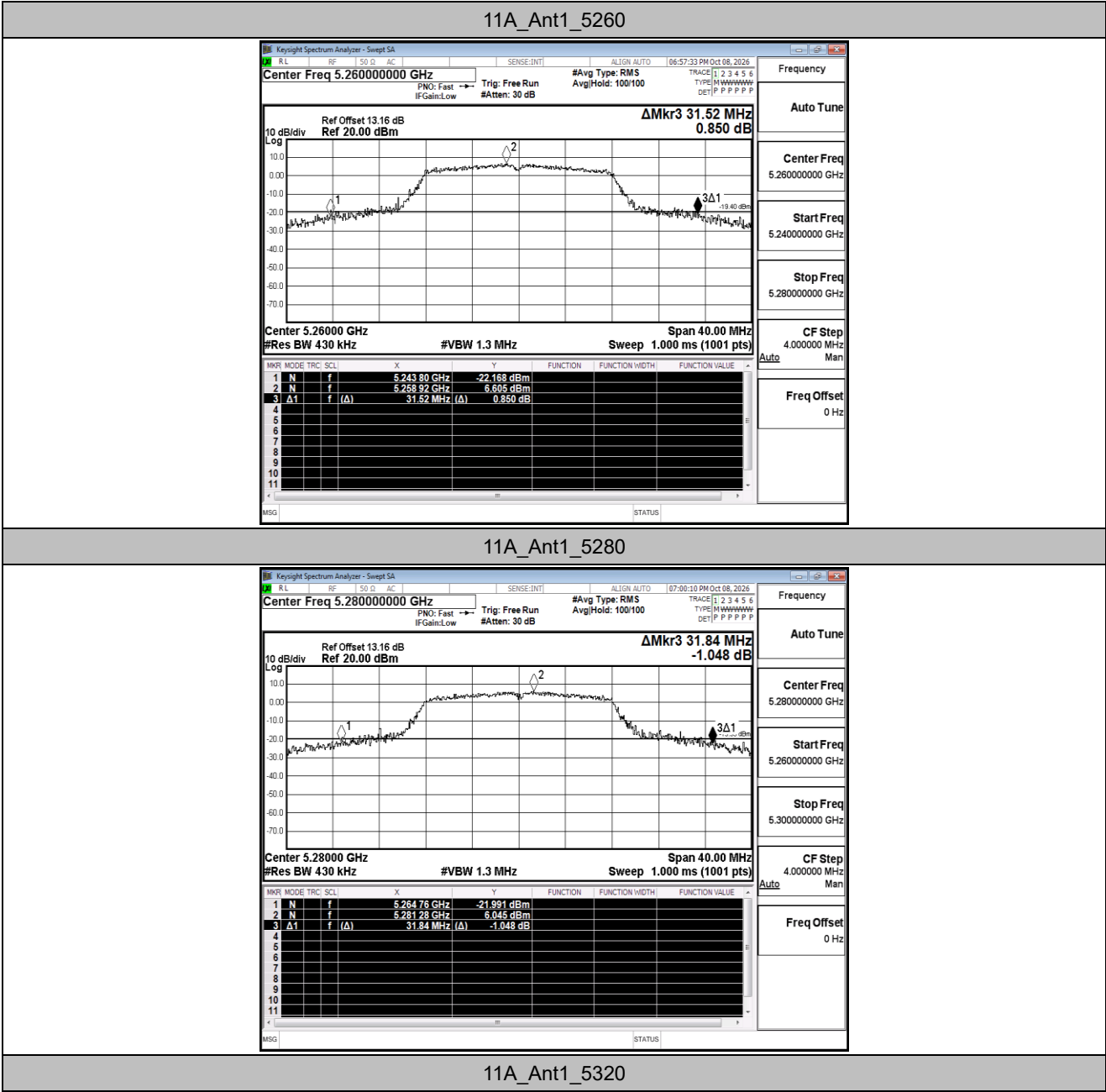
Temperature:	26.2°C
Relative Humidity:	57.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

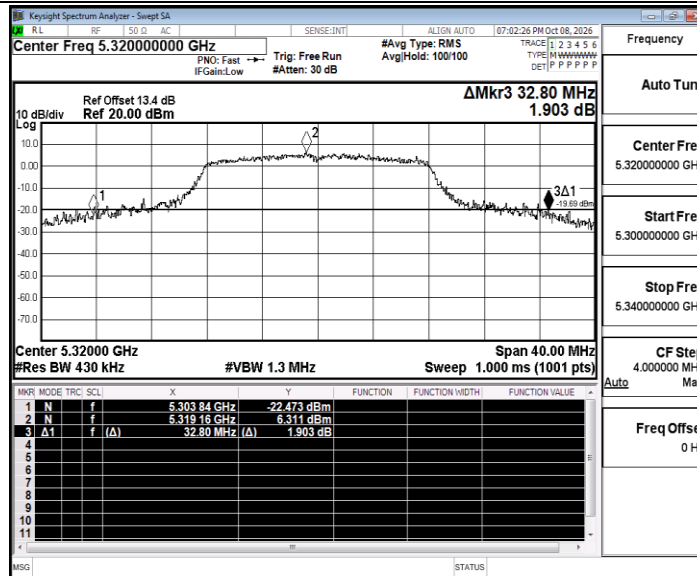
E.1 Emission Bandwidth

Test Result

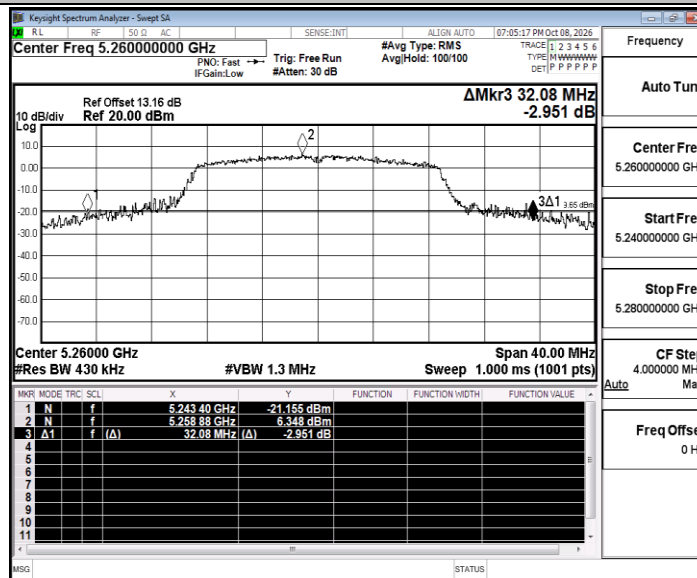
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5260	31.520	5243.800	5275.320	---	---
		5280	31.840	5264.760	5296.600	---	---
		5320	32.800	5303.840	5336.640	---	---
11N20SISO	Ant1	5260	32.080	5243.400	5275.480	---	---
		5280	31.040	5263.800	5294.840	---	---
		5320	31.920	5303.040	5334.960	---	---
11N40SISO	Ant1	5270	68.480	5235.520	5304.000	---	---
		5310	67.920	5275.920	5343.840	---	---
11AC20SISO	Ant1	5260	28.280	5246.000	5274.280	---	---
		5280	31.120	5265.200	5296.320	---	---
		5320	31.000	5304.440	5335.440	---	---
11AC40SISO	Ant1	5270	60.480	5240.320	5300.800	---	---
		5310	62.560	5280.240	5342.800	---	---

Test Graphs

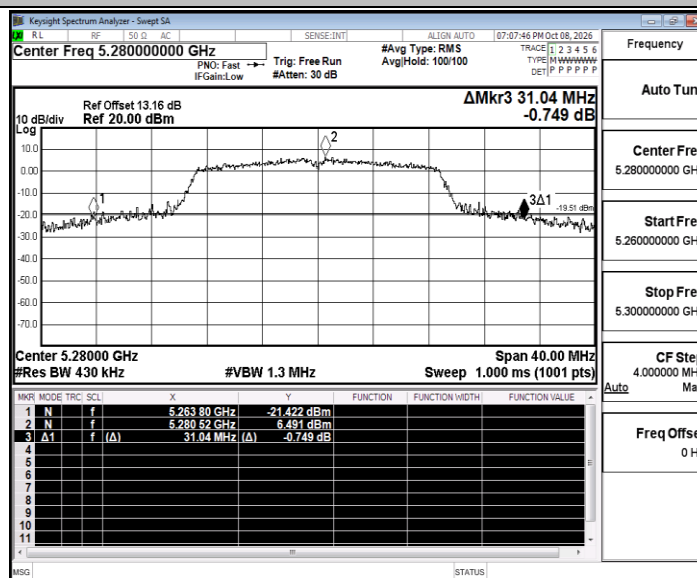




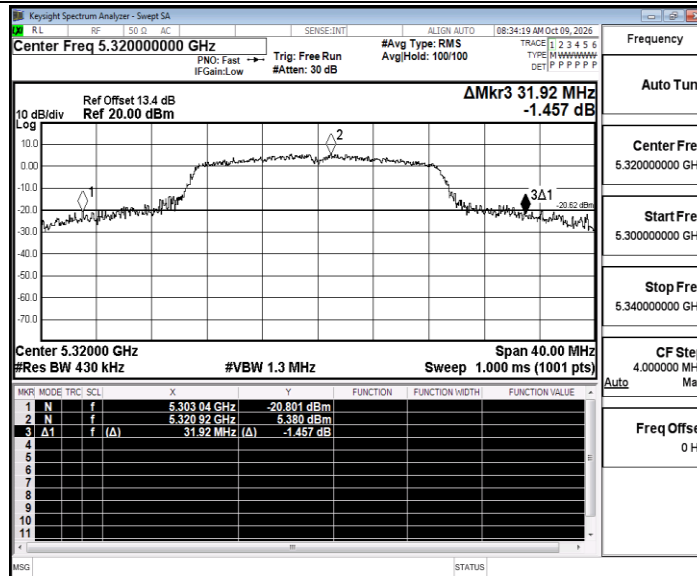
11N20SISO_Ant1_5260



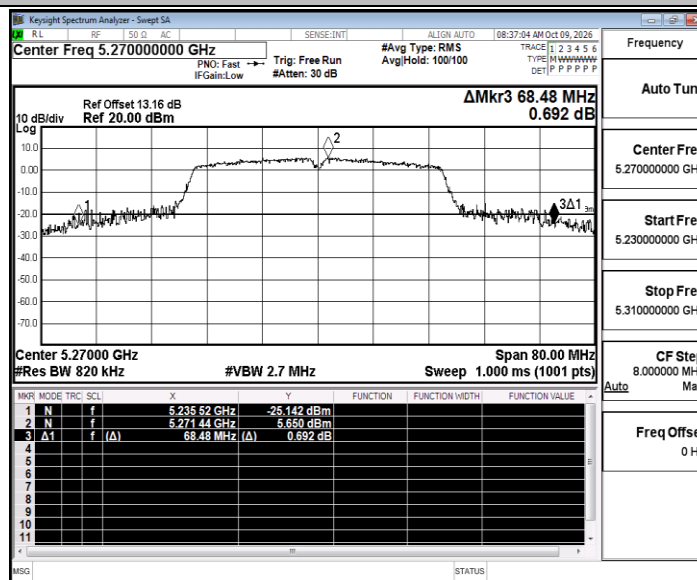
11N20SISO_Ant1_5280



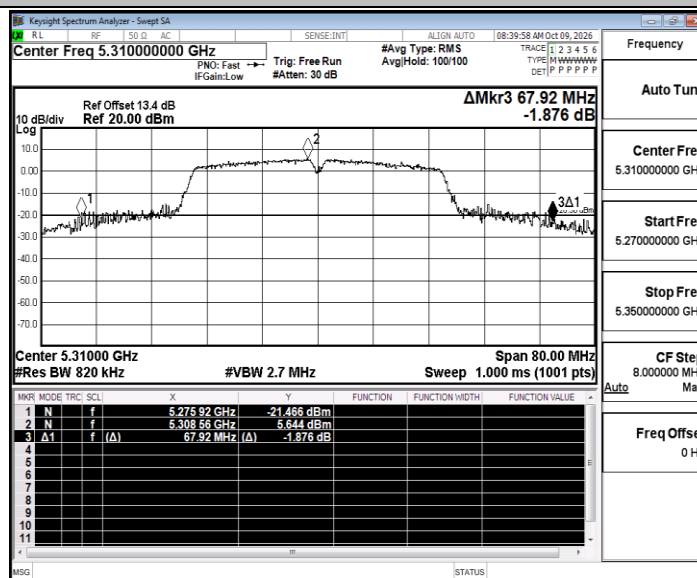
11N20SISO_Ant1_5320



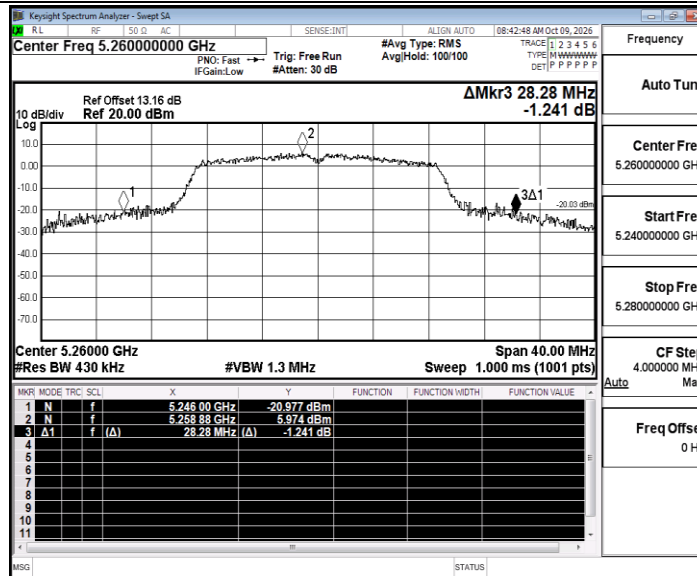
11N40SISO_Ant1_5270



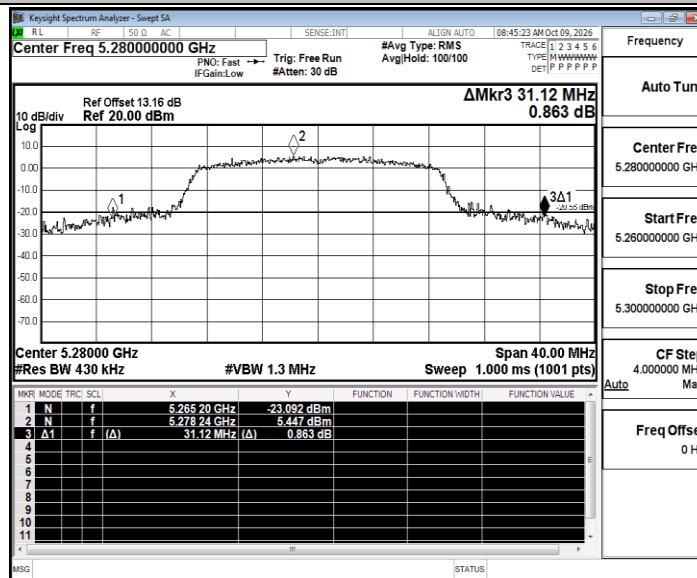
11N40SISO_Ant1_5310



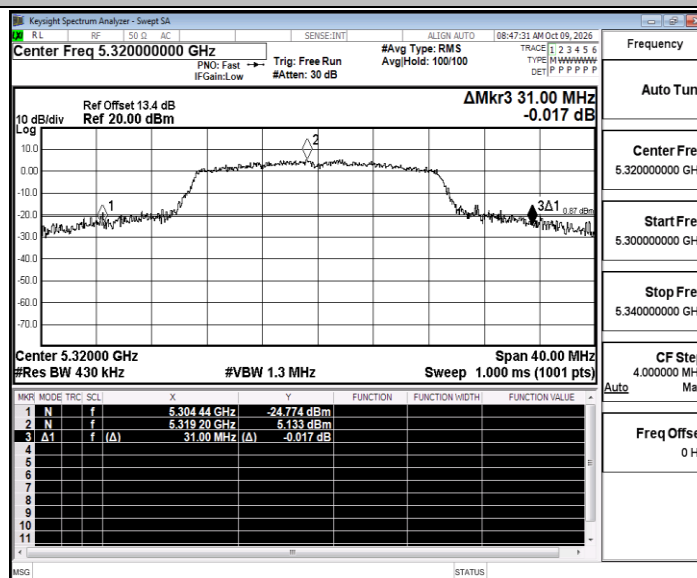
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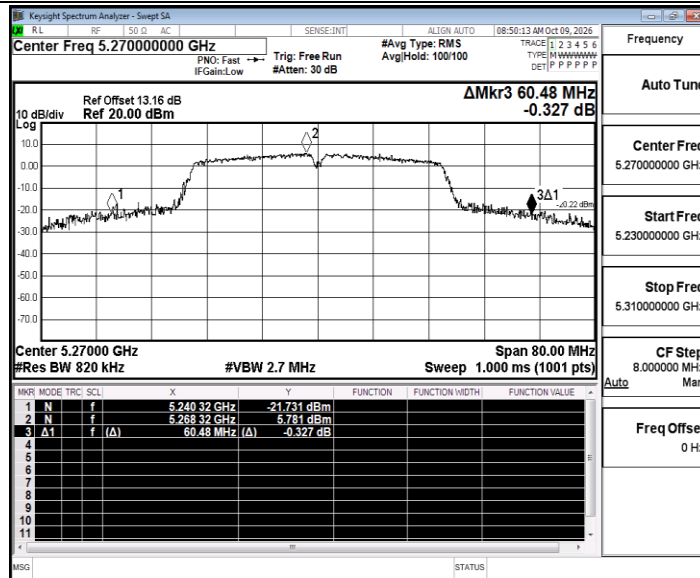
11AC20SISO_Ant1_5280



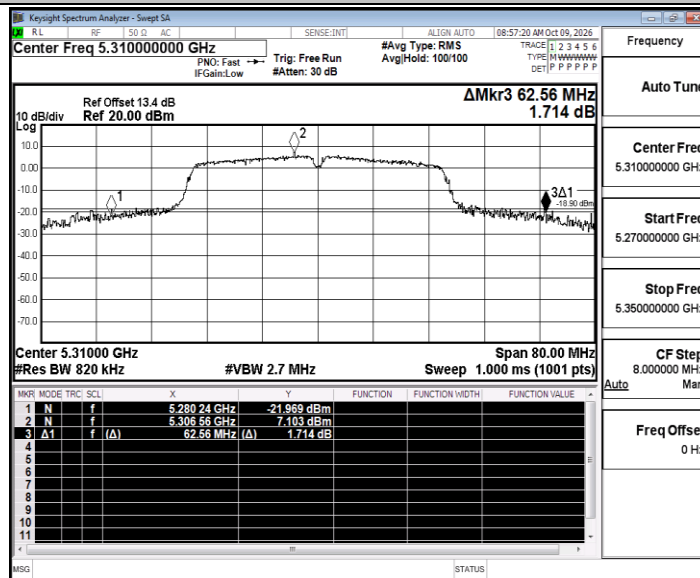
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



E.2 Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	NA	16.64	0.15	16.79	≤23.98	PASS
		5280	NA	16.63	0.12	16.75	≤23.98	PASS
		5320	NA	16.21	0.15	16.36	≤23.98	PASS
11N20SISO	Ant1	5260	NA	16.59	0.16	16.75	≤23.98	PASS
		5280	NA	16.35	0.16	16.51	≤23.98	PASS
		5320	NA	15.76	0.13	15.89	≤23.98	PASS
11N40SISO	Ant1	5270	NA	15.82	0.33	16.15	≤23.98	PASS
		5310	NA	15.65	0.26	15.91	≤23.98	PASS
11AC20SISO	Ant1	5260	NA	16.23	0.16	16.39	≤23.98	PASS
		5280	NA	15.95	0.13	16.08	≤23.98	PASS
		5320	NA	15.91	0.16	16.07	≤23.98	PASS
11AC40SISO	Ant1	5270	NA	15.83	0.26	16.09	≤23.98	PASS
		5310	NA	15.74	0.32	16.06	≤23.98	PASS

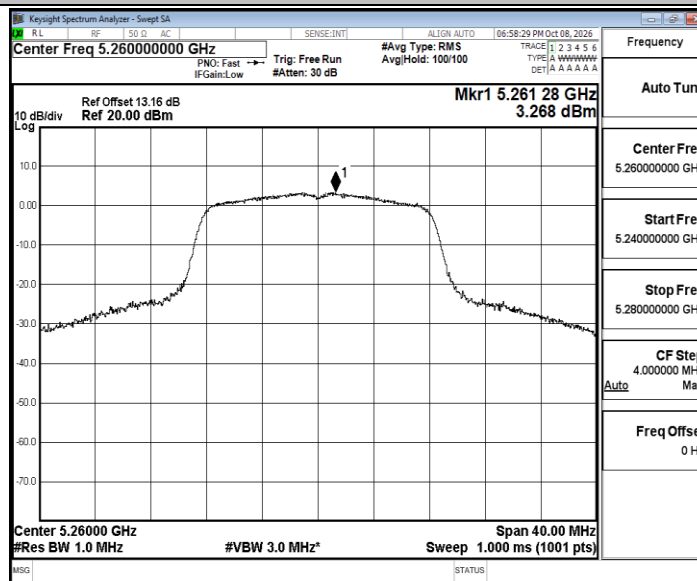
E.3 Maximum power spectral density

Test Result

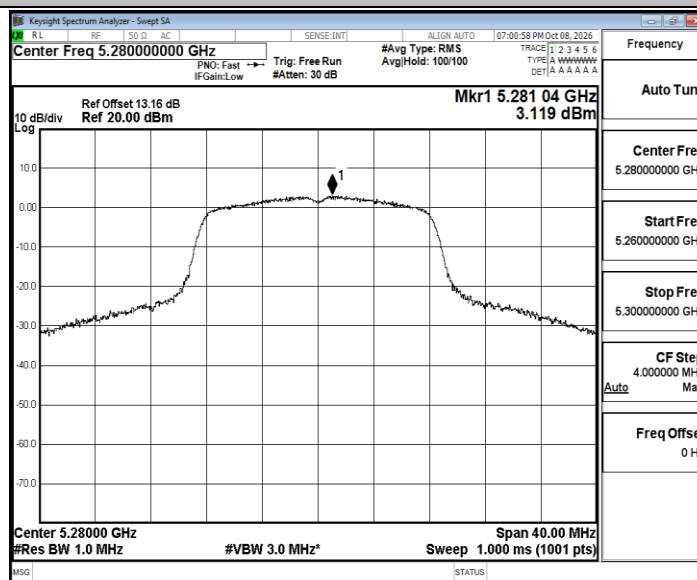
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	3.27	0.15	3.42	≤11.00	PASS
		5280	3.12	0.12	3.24	≤11.00	PASS
		5320	3.01	0.15	3.16	≤11.00	PASS
11N20SISO	Ant1	5260	3.14	0.16	3.3	≤11.00	PASS
		5280	2.71	0.16	2.87	≤11.00	PASS
		5320	2.22	0.13	2.35	≤11.00	PASS
11N40SISO	Ant1	5270	-0.82	0.33	-0.49	≤11.00	PASS
		5310	-0.81	0.26	-0.55	≤11.00	PASS
11AC20SISO	Ant1	5260	2.68	0.16	2.84	≤11.00	PASS
		5280	2.29	0.13	2.42	≤11.00	PASS
		5320	2.14	0.16	2.3	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.56	0.26	-0.3	≤11.00	PASS
		5310	3.27	0.15	3.42	≤11.00	PASS

Test Graphs

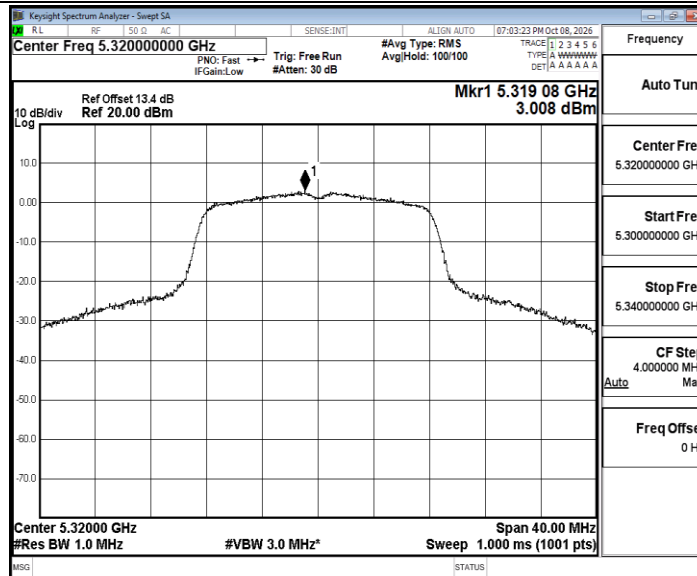
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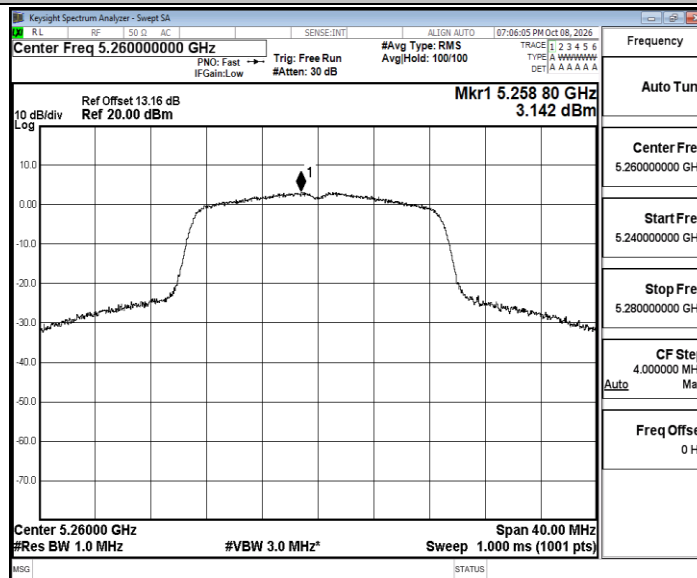
11A_Ant1_5280



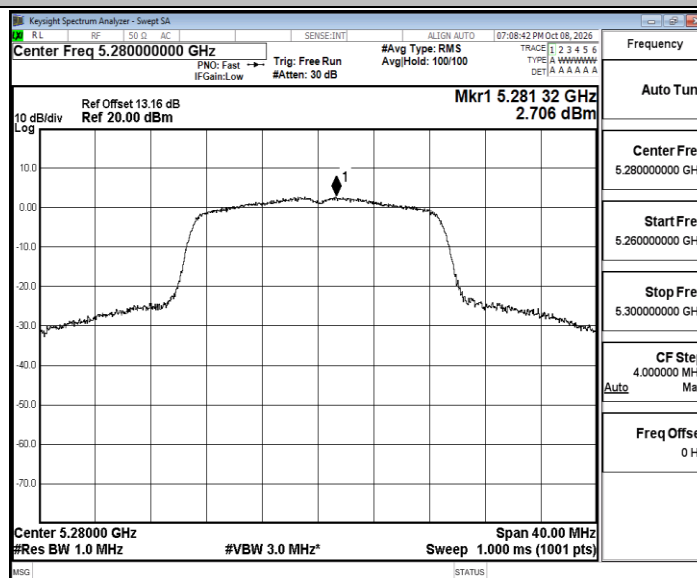
11A_Ant1_5320



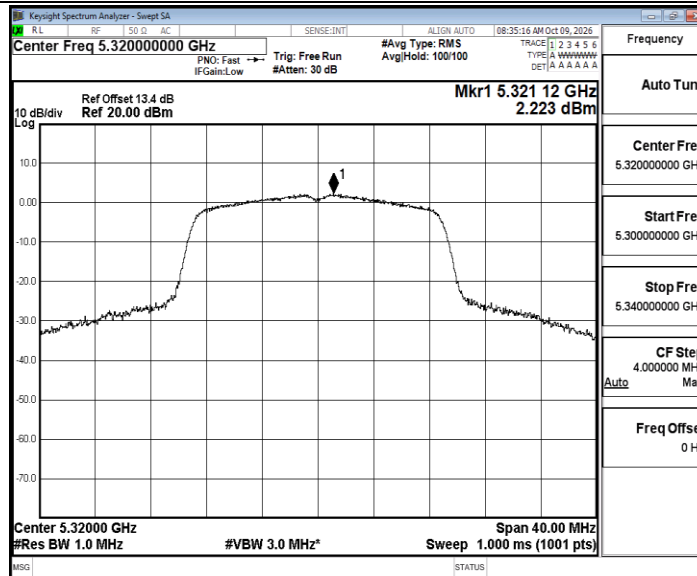
11N20SISO_Ant1_5260



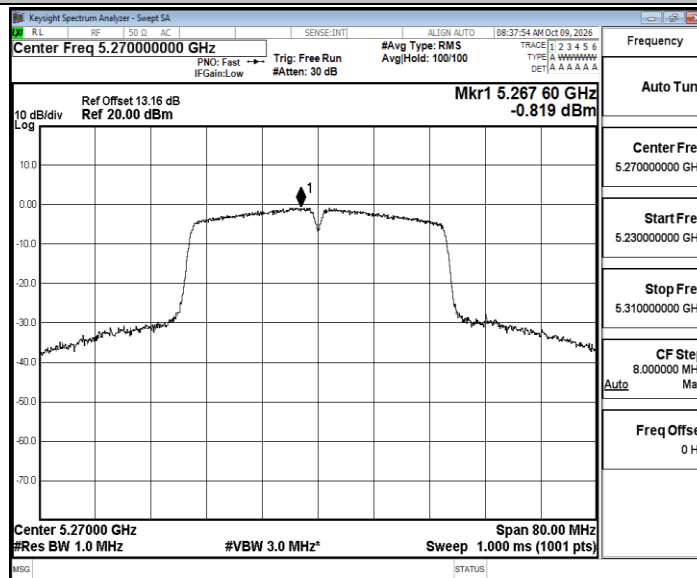
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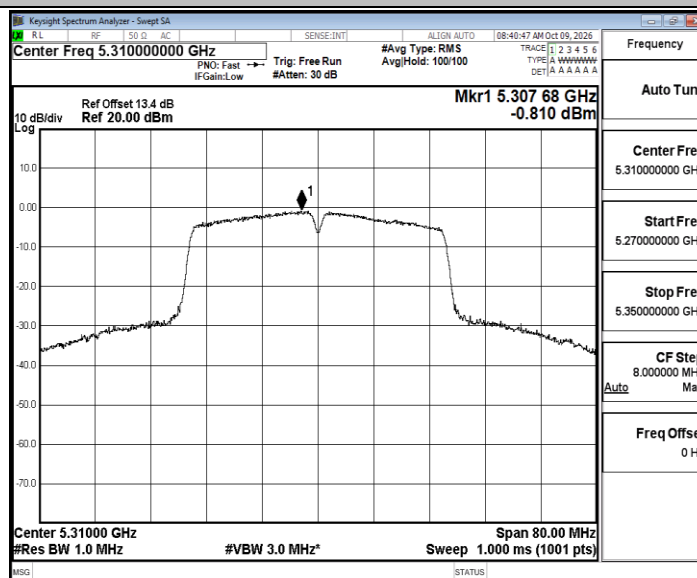
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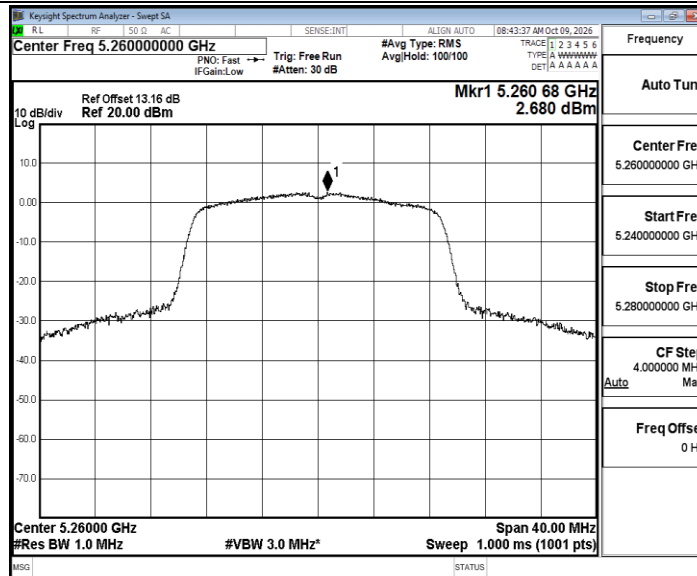
11N40SISO_Ant1_5270



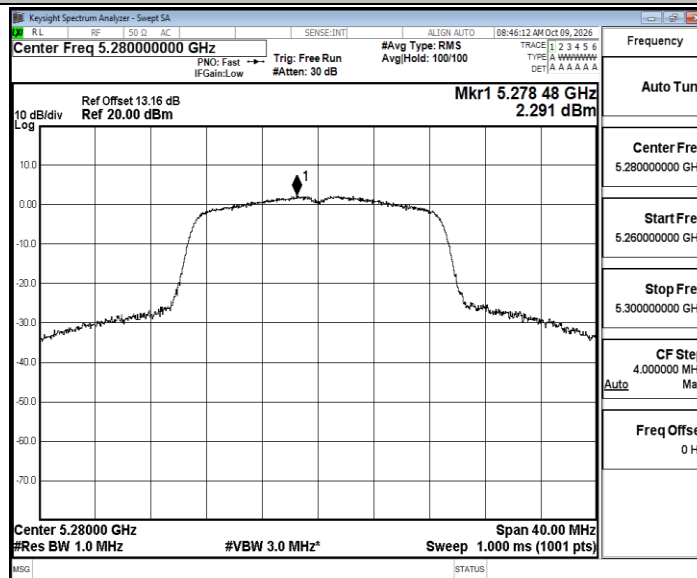
11N40SISO_Ant1_5310



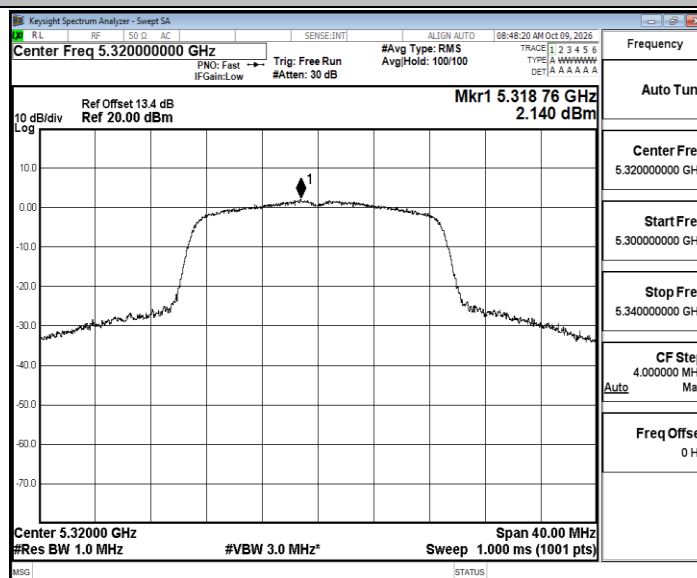
11AC20SISO_Ant1_5260



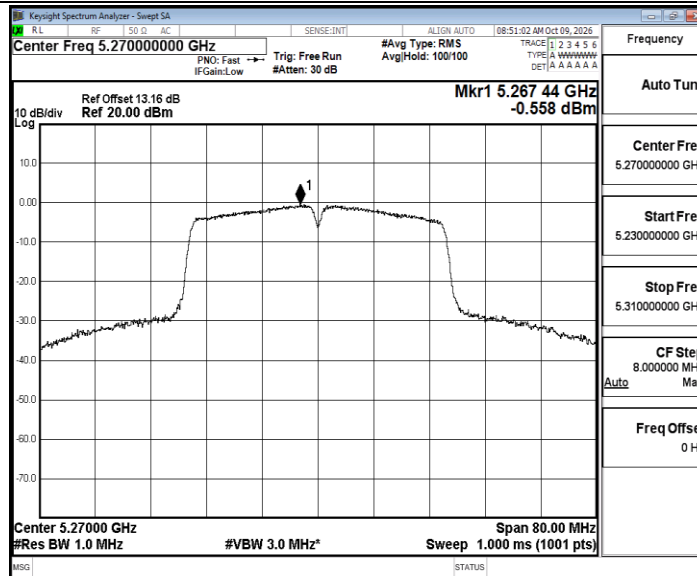
11AC20SISO_Ant1_5280



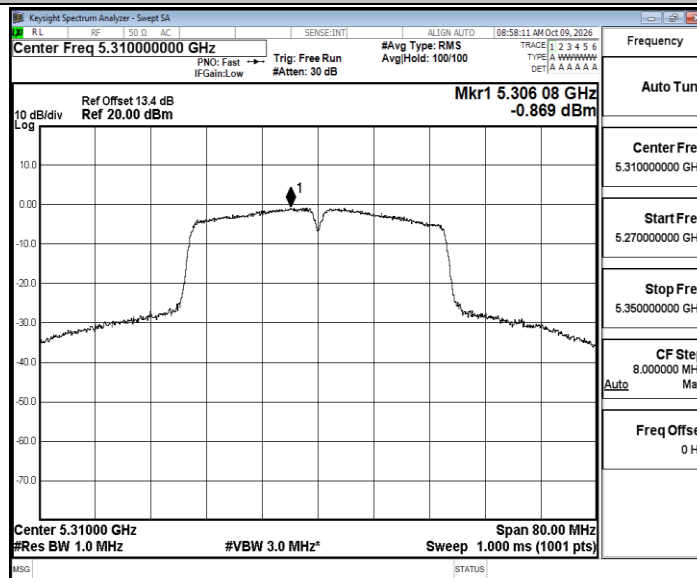
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



E.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5260	AV	4500.000	-61.52	≤-43.35	2.93	0.15	36.79	≤54	PASS
				AV	5149.380	-57.28	≤-43.35	2.93	0.15	41.03	≤54	PASS
				AV	5150.000	-57.62	≤-43.35	2.93	0.15	40.69	≤54	PASS
				Peak	4500.000	-55	≤-29.00	2.93	0	43.16	≤68.2	PASS
				Peak	5127.260	-47.44	≤-29.00	2.93	0	50.72	≤68.2	PASS
				Peak	5150.000	-49.7	≤-29.00	2.93	0	48.46	≤68.2	PASS
		High	5320	AV	5350.000	-53.55	≤-43.35	2.93	0.15	44.76	≤54	PASS
				AV	5351.200	-53.5	≤-43.35	2.93	0.15	44.81	≤54	PASS
				AV	5460.000	-59.64	≤-43.35	2.93	0.15	38.67	≤54	PASS
				Peak	5350.000	-34.1	≤-29.00	2.93	0	64.06	≤68.2	PASS
				Peak	5350.400	-31.88	≤-29.00	2.93	0	66.28	≤68.2	PASS
				Peak	5460.000	-52.05	≤-29.00	2.93	0	46.11	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-61.87	≤-43.36	2.93	0.16	36.45	≤54	PASS
				AV	5146.220	-57.37	≤-43.36	2.93	0.16	40.95	≤54	PASS
				AV	5150.000	-57.35	≤-43.36	2.93	0.16	40.97	≤54	PASS
				Peak	4500.000	-54.43	≤-29.00	2.93	0	43.73	≤68.2	PASS
				Peak	5126.470	-46.65	≤-29.00	2.93	0	51.51	≤68.2	PASS
				Peak	5150.000	-47.15	≤-29.00	2.93	0	51.01	≤68.2	PASS
		High	5320	AV	5350.000	-46.63	≤-43.33	2.93	0.13	51.66	≤54	PASS
				AV	5350.080	-46.63	≤-43.33	2.93	0.13	51.66	≤54	PASS
				AV	5460.000	-59.85	≤-43.33	2.93	0.13	38.44	≤54	PASS
				Peak	5350.000	-34.99	≤-29.00	2.93	0	63.17	≤68.2	PASS
				Peak	5350.560	-33.85	≤-29.00	2.93	0	64.31	≤68.2	PASS
				Peak	5460.000	-51.31	≤-29.00	2.93	0	46.85	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-62.29	≤-43.53	2.93	0.33	36.20	≤54	PASS
				AV	5149.380	-57.42	≤-43.53	2.93	0.33	41.07	≤54	PASS
				AV	5150.000	-57.25	≤-43.53	2.93	0.33	41.24	≤54	PASS
				Peak	4500.000	-53.3	≤-29.00	2.93	0	44.86	≤68.2	PASS
				Peak	5147.800	-46.66	≤-29.00	2.93	0	51.50	≤68.2	PASS
				Peak	5150.000	-48.9	≤-29.00	2.93	0	49.26	≤68.2	PASS
		High	5310	AV	5350.000	-56.9	≤-43.46	2.93	0.26	41.52	≤54	PASS
				AV	5351.200	-56.79	≤-43.46	2.93	0.26	41.63	≤54	PASS
				AV	5460.000	-60.9	≤-43.46	2.93	0.26	37.52	≤54	PASS
				Peak	5350.000	-41.98	≤-29.00	2.93	0	56.18	≤68.2	PASS
				Peak	5350.080	-41.98	≤-29.00	2.93	0	56.18	≤68.2	PASS
				Peak	5460.000	-53.32	≤-29.00	2.93	0	44.84	≤68.2	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-62.48	≤-43.36	2.93	0.16	35.84	≤54	PASS
				AV	5126.470	-57.91	≤-43.36	2.93	0.16	40.41	≤54	PASS

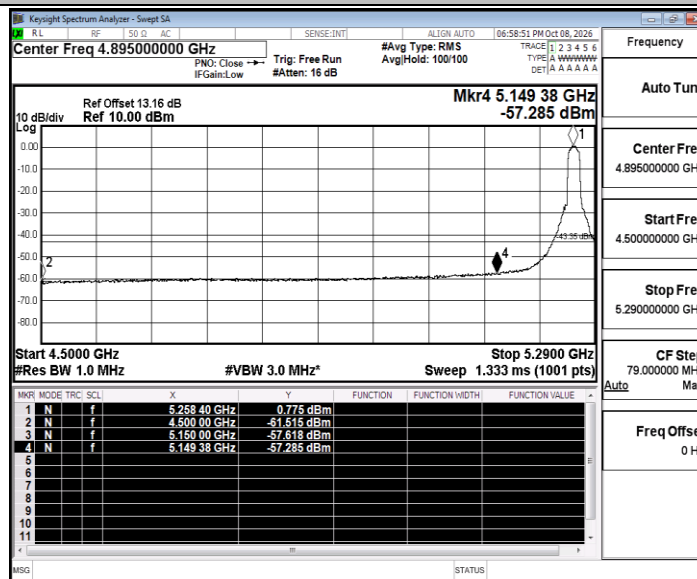
				AV	5150.000	-58.2	≤-43.36	2.93	0.16	40.12	≤54	PASS
				Peak	4500.000	-53.65	≤-29.00	2.93	0	44.51	≤68.2	PASS
				Peak	5120.150	-48.64	≤-29.00	2.93	0	49.52	≤68.2	PASS
				Peak	5150.000	-49.17	≤-29.00	2.93	0	48.99	≤68.2	PASS
		High	5320	AV	5350.000	-46.2	≤-43.36	2.93	0.16	52.12	≤54	PASS
				AV	5350.720	-45.78	≤-43.36	2.93	0.16	52.54	≤54	PASS
				AV	5460.000	-59.74	≤-43.36	2.93	0.16	38.58	≤54	PASS
				Peak	5350.000	-33.02	≤-29.00	2.93	0	65.14	≤68.2	PASS
				Peak	5350.080	-33.02	≤-29.00	2.93	0	65.14	≤68.2	PASS
				Peak	5460.000	-51.01	≤-29.00	2.93	0	47.15	≤68.2	PASS
11AC40 SISO	Ant1	Low	5270	AV	4500.000	-62.51	≤-43.46	2.93	0.26	35.91	≤54	PASS
				AV	5147.010	-57.1	≤-43.46	2.93	0.26	41.32	≤54	PASS
				AV	5150.000	-57.8	≤-43.46	2.93	0.26	40.62	≤54	PASS
				Peak	4500.000	-55.19	≤-29.00	2.93	0	42.97	≤68.2	PASS
				Peak	5142.270	-47.81	≤-29.00	2.93	0	50.35	≤68.2	PASS
				Peak	5150.000	-47.5	≤-29.00	2.93	0	50.66	≤68.2	PASS
		High	5310	AV	5350.000	-59.2	≤-43.52	2.93	0.32	39.28	≤54	PASS
				AV	5350.400	-58.47	≤-43.52	2.93	0.32	40.01	≤54	PASS
				AV	5460.000	-65.6	≤-43.52	2.93	0.32	32.88	≤54	PASS
				Peak	5350.000	-48.97	≤-29.00	2.93	0	49.19	≤68.2	PASS
				Peak	5352.160	-48.95	≤-29.00	2.93	0	49.21	≤68.2	PASS
				Peak	5460.000	-57.65	≤-29.00	2.93	0	40.51	≤68.2	PASS

Note:

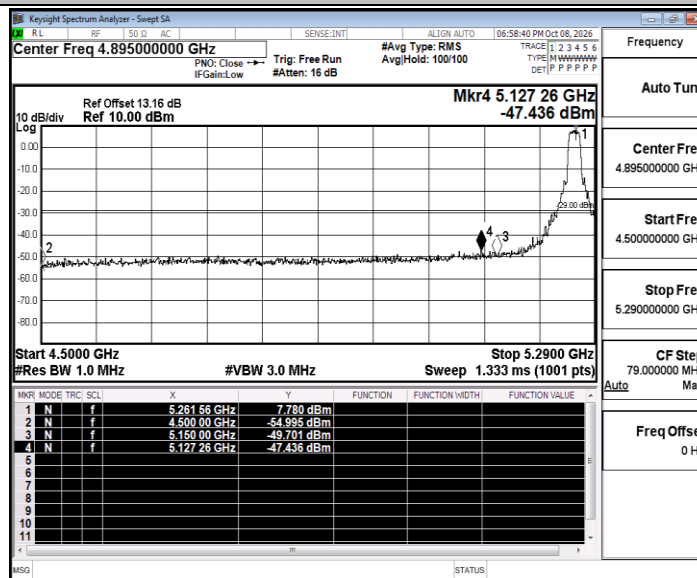
1. The Antenna Gain is compensated in the graph.

Test Graphs

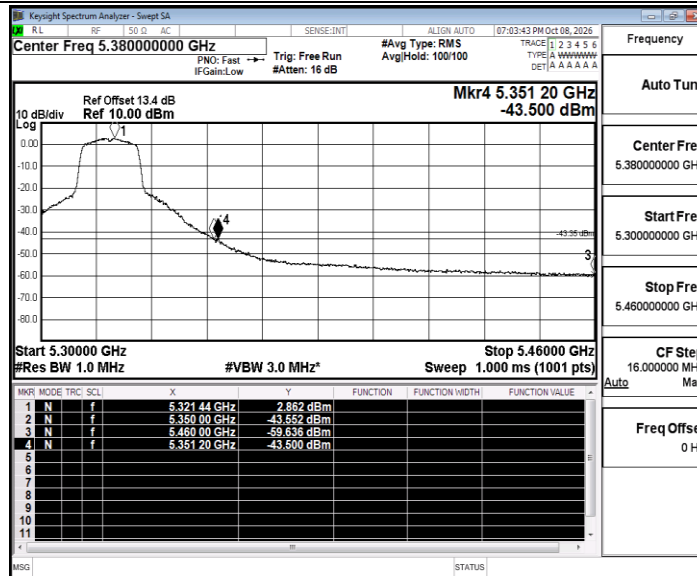
11A_Ant1_Low_5260_AV



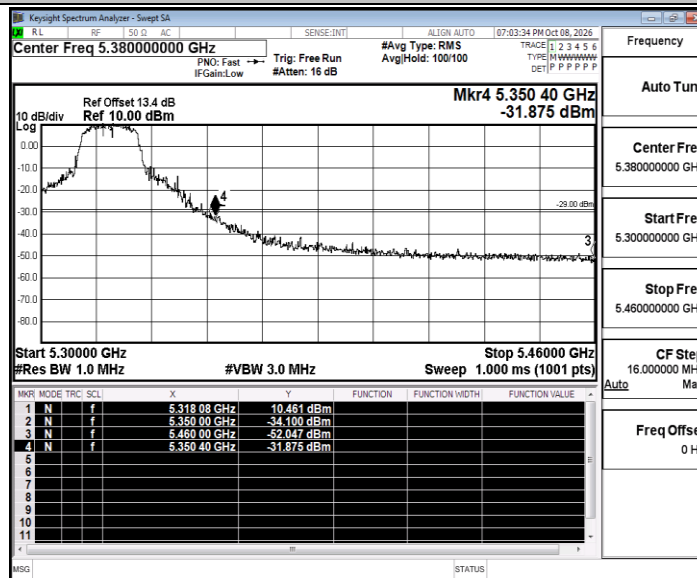
11A_Ant1_Low_5260_Peak



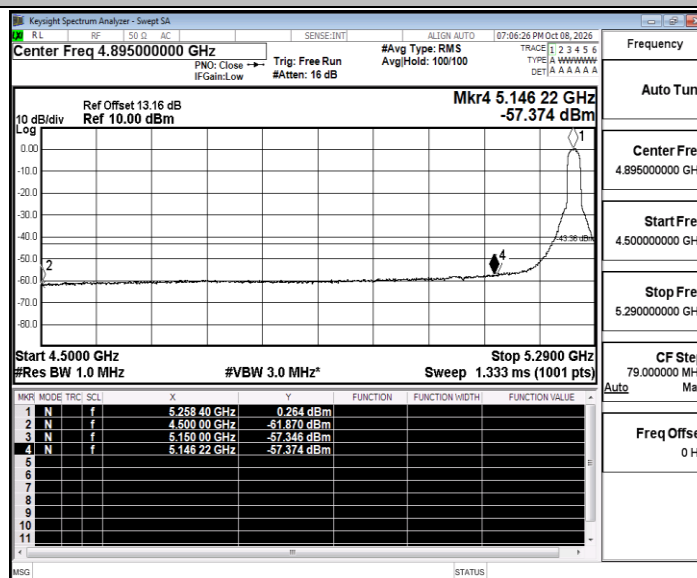
11A_Ant1_High_5320_AV



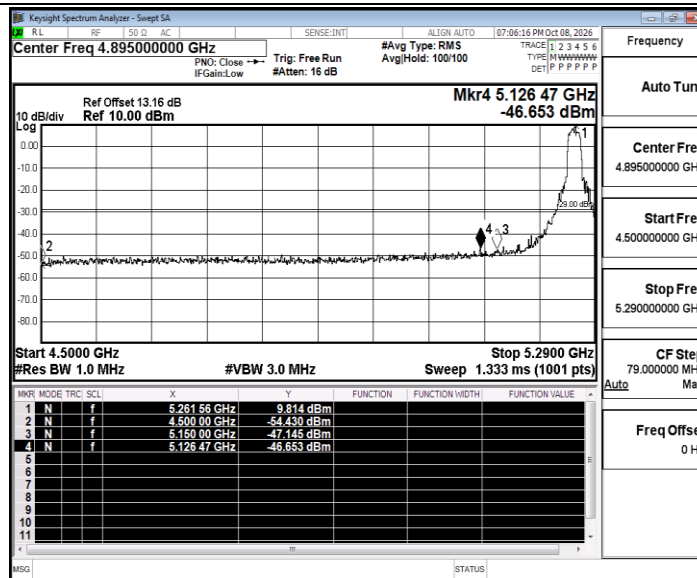
11A_Ant1_High_5320_Peak



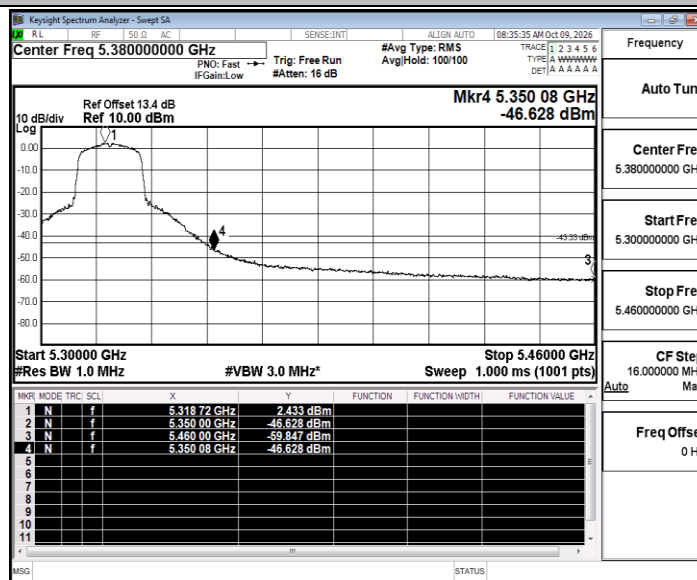
11N20SISO_Ant1_Low_5260_AV



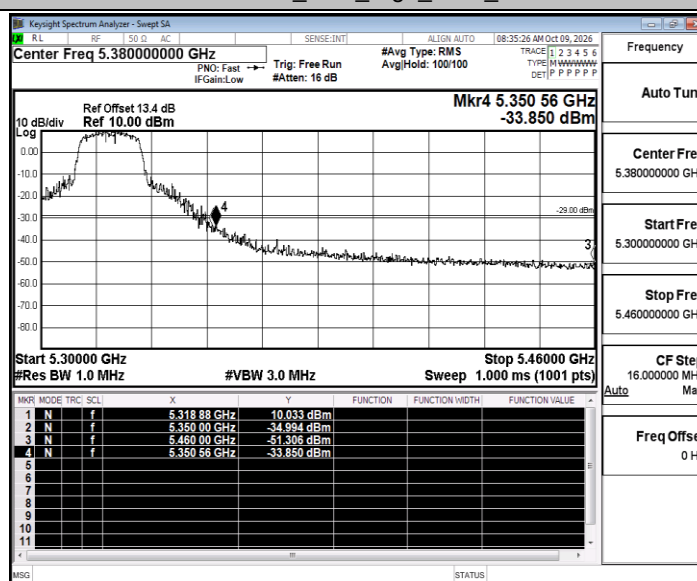
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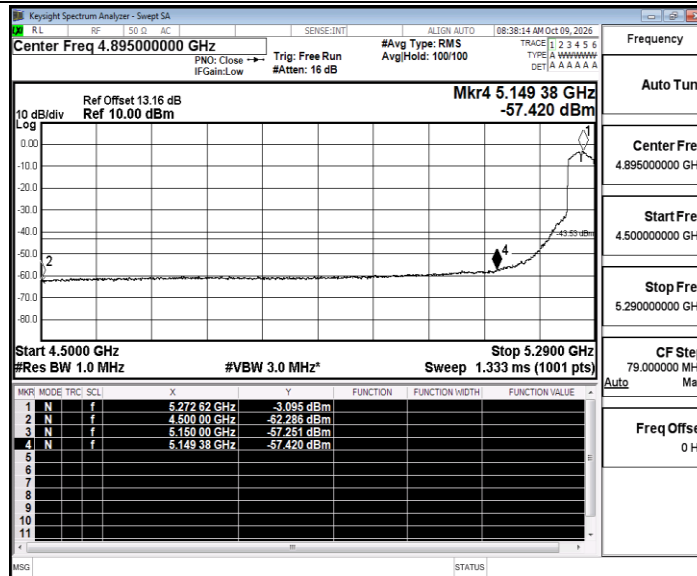
11N20SISO_Ant1_High_5320_AV



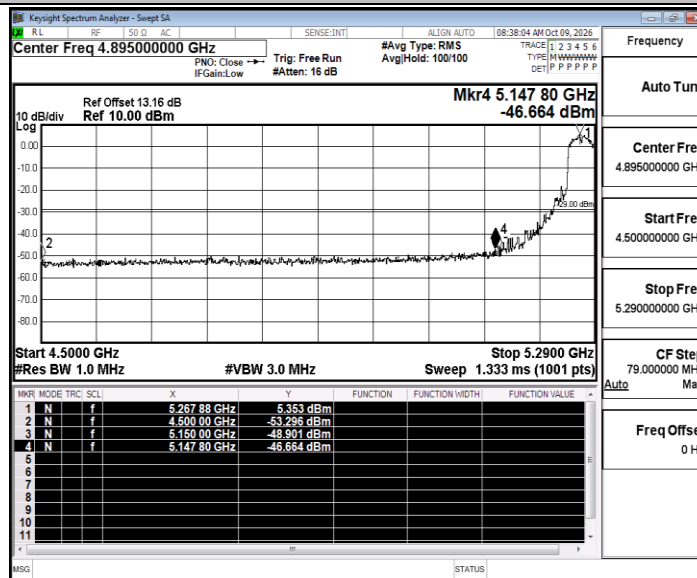
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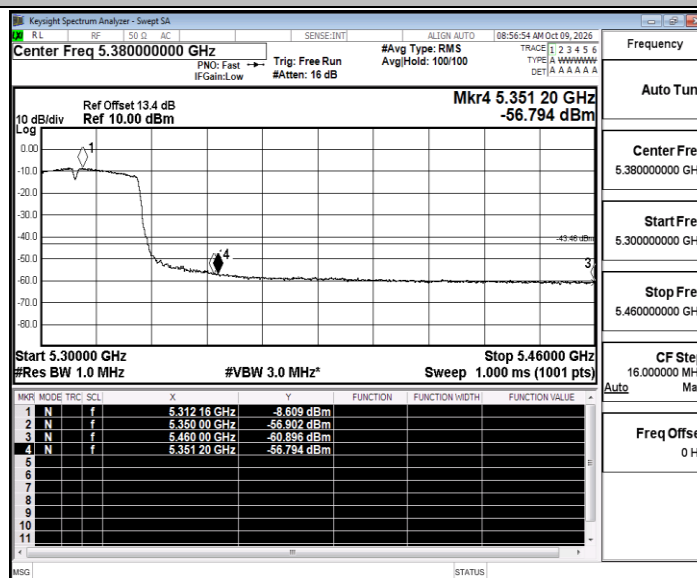
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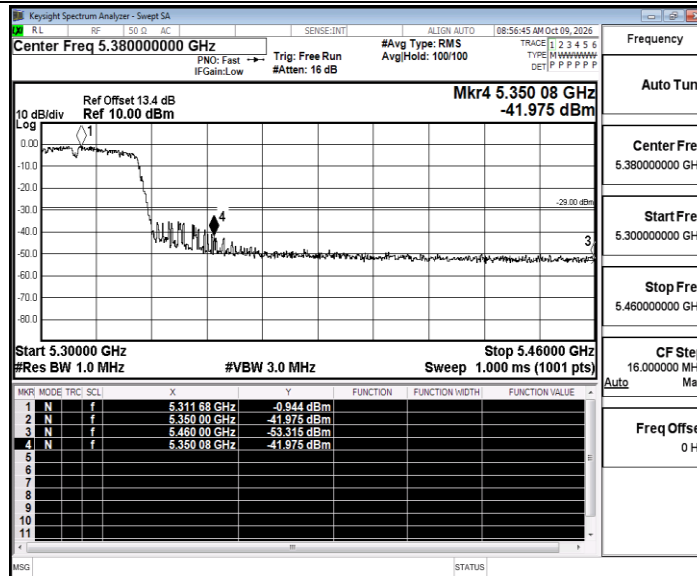
11N40SISO_Ant1_Low_5270_Peak



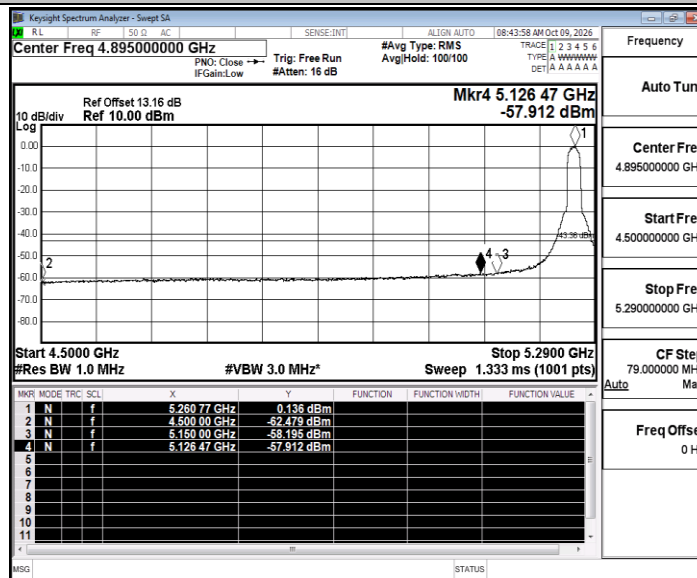
11N40SISO_Ant1_High_5310_AV



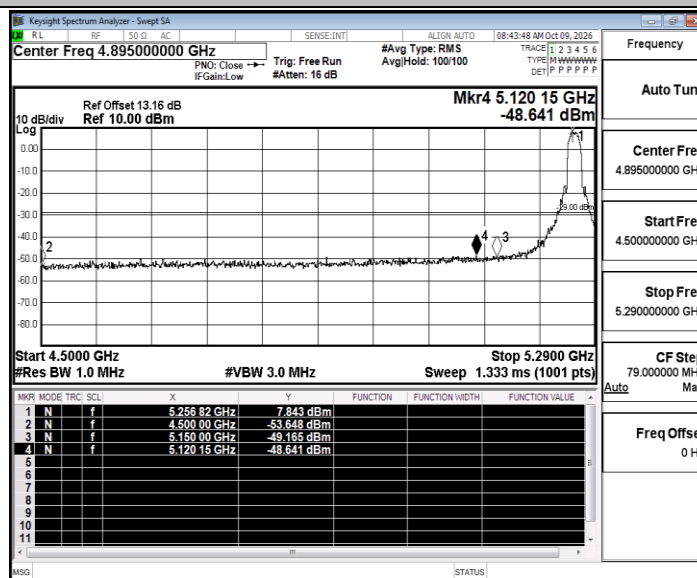
11N40SISO_Ant1_High_5310_Peak



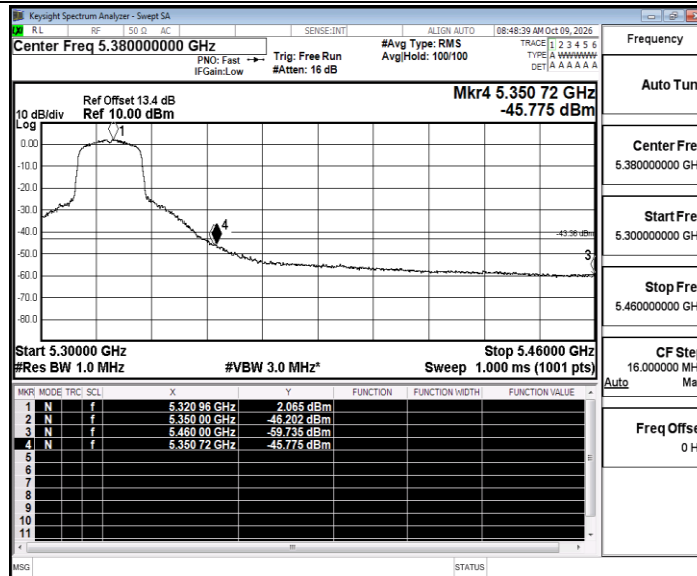
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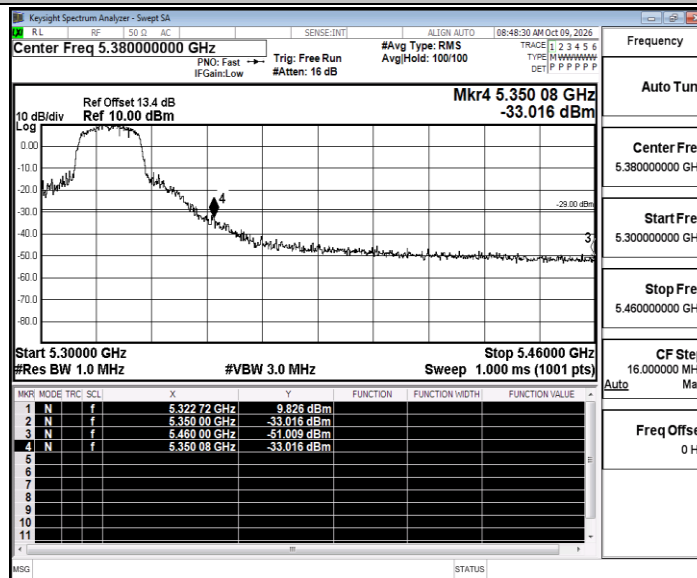
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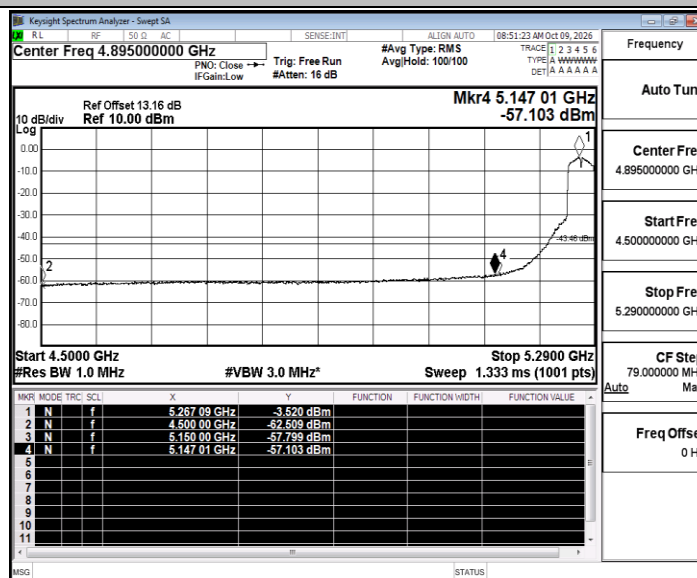
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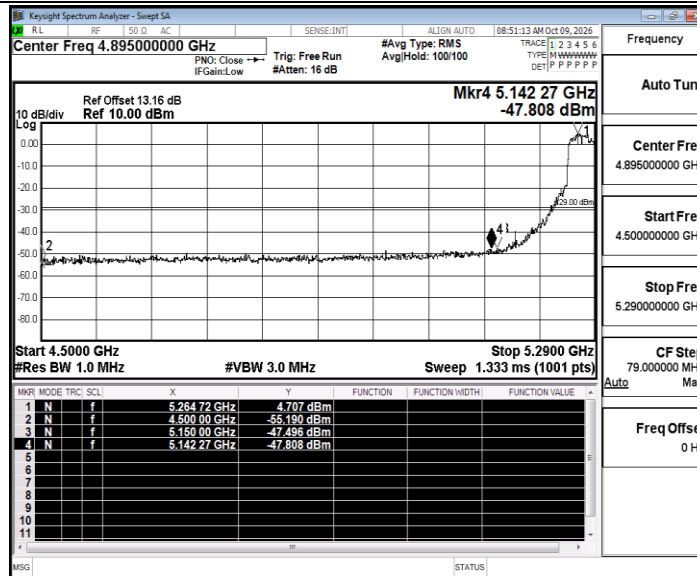
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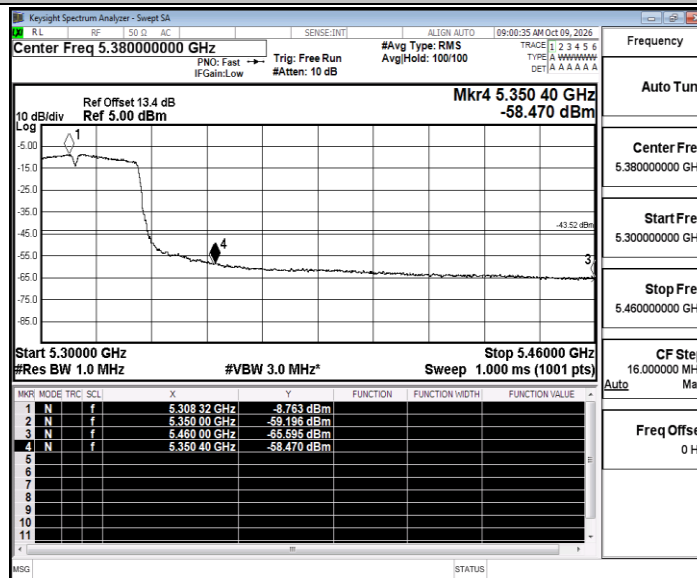
11AC40SISO_Ant1_Low_5270_AV



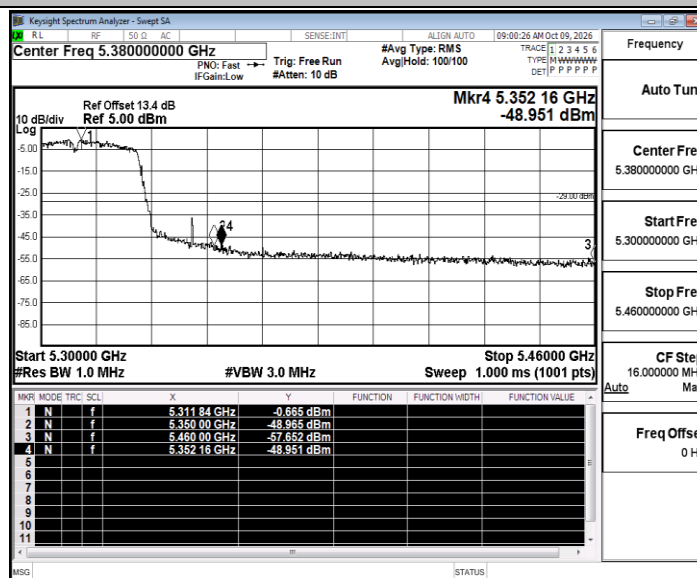
11AC40SISO_Ant1_Low_5270_Peak



11AC40SISO_Ant1_High_5310_AV



11AC40SISO_Ant1_High_5310_Peak



E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5280	NV	NT	40000.00	7.575758	20	PASS
			LV	NT	-40000.00	-7.575758	20	PASS
			HV	NT	-20000.00	-3.787879	20	PASS
		5320	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
			LV	NT	-80000.00	-15.209125	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
		5280	NV	NT	-20000.00	-3.787879	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.575758	20	PASS
		5320	NV	NT	-40000.00	-7.518797	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
11N40SISO	Ant1	5270	NV	NT	40000.00	7.590133	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5310	NV	NT	40000.00	7.532957	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-80000.00	-15.065913	20	PASS
11AC20SISO	Ant1	5260	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5280	NV	NT	60000.00	11.363636	20	PASS
			LV	NT	20000.00	3.787879	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5320	NV	NT	-40000.00	-7.518797	20	PASS
			LV	NT	-40000.00	-7.518797	20	PASS
			HV	NT	20000.00	3.759398	20	PASS
11AC40SISO	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
		5310	NV	NT	-40000.00	-7.532957	20	PASS
			LV	NT	0.00	0.000000	20	PASS

			HV	NT	-40000.00	-7.590133	20	PASS
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Temperature								
TestMode	Antenna	Freq (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	-100000.00	-19.011407	20	PASS
			NV	10	40000.00	7.604563	20	PASS
			NV	20	20000.00	3.802281	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5280	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	20000.00	3.787879	20	PASS
			NV	0	-40000.00	-7.575758	20	PASS
			NV	10	20000.00	3.787879	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.575758	20	PASS
		5320	NV	-30	-80000.00	-15.037594	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	-20000.00	-3.759398	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	0.00	0.000000	20	PASS
			NV	40	-60000.00	-11.278195	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
11N20SISO	Ant1	5260	NV	-30	-80000.00	-15.209125	20	PASS
			NV	-20	-60000.00	-11.406844	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	-60000.00	-11.406844	20	PASS
			NV	10	-40000.00	-7.604563	20	PASS
			NV	20	40000.00	7.604563	20	PASS
			NV	30	-40000.00	-7.604563	20	PASS
			NV	40	-40000.00	-7.604563	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	-20000.00	-3.787879	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-60000.00	-11.363636	20	PASS

			NV	20	40000.00	7.575758	20	PASS
			NV	30	20000.00	3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	-20000.00	-3.787879	20	PASS
		5320	NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-60000.00	-11.278195	20	PASS
			NV	0	-40000.00	-7.518797	20	PASS
			NV	10	-40000.00	-7.518797	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.518797	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
			NV	50	20000.00	3.759398	20	PASS
			NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	80000.00	15.180266	20	PASS
			NV	-10	80000.00	15.180266	20	PASS
			NV	0	-40000.00	-7.604563	20	PASS
11N40SISO	Ant1	5270	NV	10	-40000.00	-7.604563	20	PASS
			NV	20	-40000.00	-7.590133	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
			NV	-30	-40000.00	-7.604563	20	PASS
			NV	-20	-40000.00	-7.604563	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
		5310	NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-80000.00	-15.065913	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	40000.00	7.532957	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	20000.00	3.802281	20	PASS
			NV	-10	60000.00	11.406844	20	PASS
			NV	0	-40000.00	-7.604563	20	PASS
11AC20SISO	Ant1	5260	NV	10	40000.00	7.604563	20	PASS
			NV	20	-60000.00	-11.406844	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.604563	20	PASS
			NV	-30	60000.00	11.363636	20	PASS
			NV	-20	20000.00	3.787879	20	PASS
			NV	-10	-20000.00	-3.787879	20	PASS
		5280	NV	0	0.00	0.000000	20	PASS

			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-80000.00	-15.151515	20	PASS
			NV	30	40000.00	7.575758	20	PASS
			NV	40	-60000.00	-11.363636	20	PASS
			NV	50	40000.00	7.575758	20	PASS
		5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	-100000.00	-18.796992	20	PASS
			NV	-10	-40000.00	-7.604563	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-40000.00	-7.518797	20	PASS
			NV	40	-40000.00	-7.518797	20	PASS
			NV	50	20000.00	3.759398	20	PASS
11AC40SISO	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-15.180266	20	PASS
			NV	0	-40000.00	-7.604563	20	PASS
			NV	10	-40000.00	-7.604563	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	-7.604563	20	PASS
		5310	NV	-30	-40000.00	-7.604563	20	PASS
			NV	-20	0.00	0.000000	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	0.00	0.000000	20	PASS
			NV	30	80000.00	15.065913	20	PASS
			NV	40	-40000.00	-7.532957	20	PASS
			NV	50	-40000.00	-7.604563	20	PASS

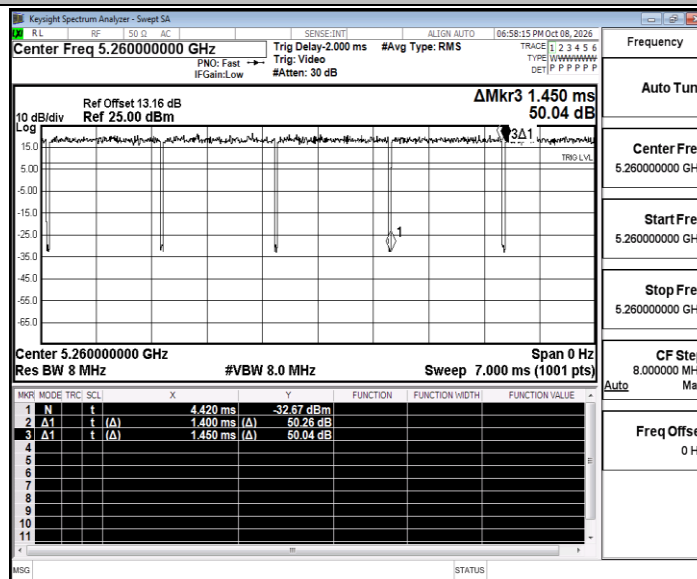
E.6 Duty Cycle

Test Result

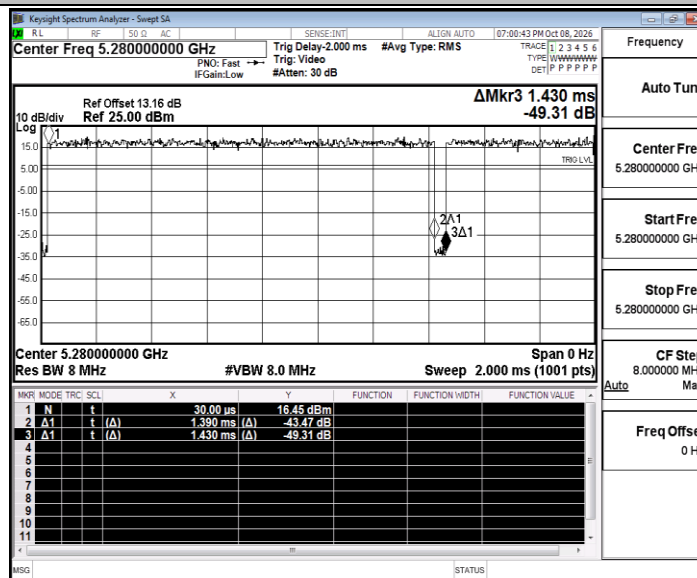
TestMode	Antenna	Freq (MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	Limit	Verdict
11A	Ant1	5260	1.40	1.45	96.55	0.15	---	---
		5280	1.39	1.43	97.20	0.12	---	---
		5320	1.39	1.44	96.53	0.15	---	---
11N20SISO	Ant1	5260	1.30	1.35	96.30	0.16	---	---
		5280	1.30	1.35	96.30	0.16	---	---
		5320	1.30	1.34	97.01	0.13	---	---
11N40SISO	Ant1	5270	0.64	0.69	92.75	0.33	---	---
		5310	0.65	0.69	94.20	0.26	---	---
11AC20SISO	Ant1	5260	1.31	1.36	96.32	0.16	---	---
		5280	1.31	1.35	97.04	0.13	---	---
		5320	1.31	1.36	96.32	0.16	---	---
11AC40SISO	Ant1	5270	0.65	0.69	94.20	0.26	---	---
		5310	0.65	0.70	92.86	0.32	---	---

Test Graphs

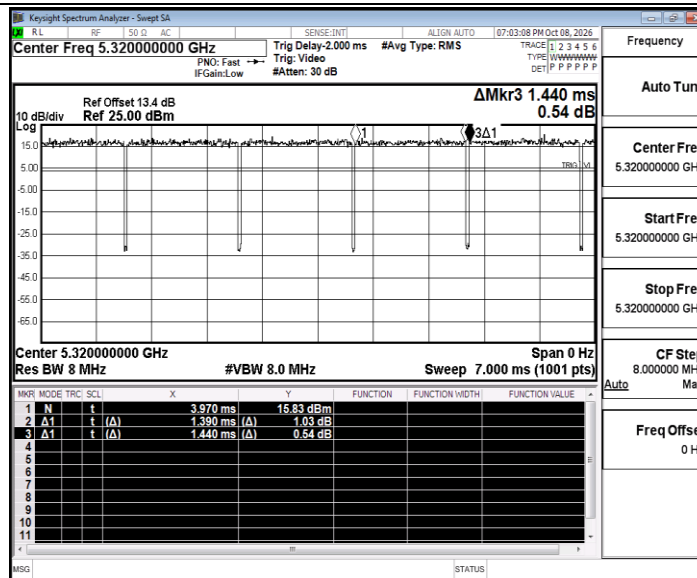
11A_Ant1_5260



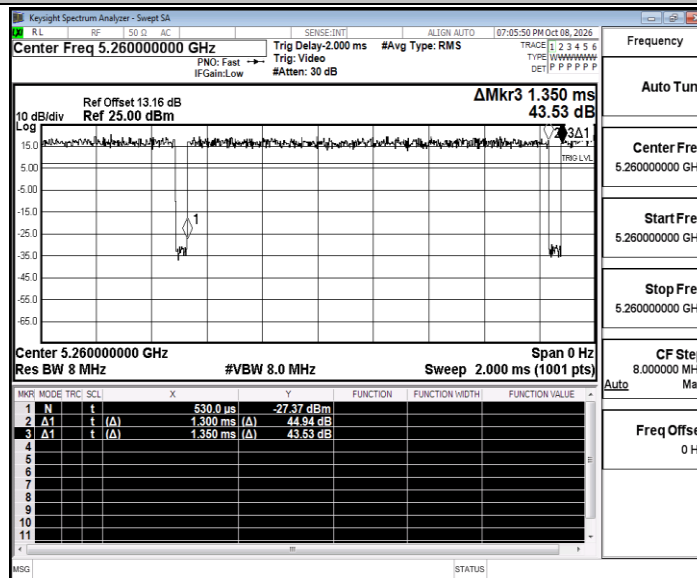
11A_Ant1_5280



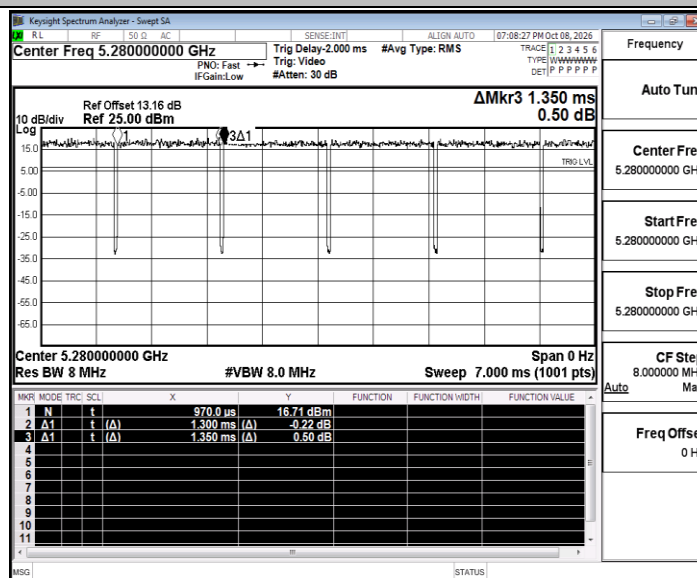
11A_Ant1_5320



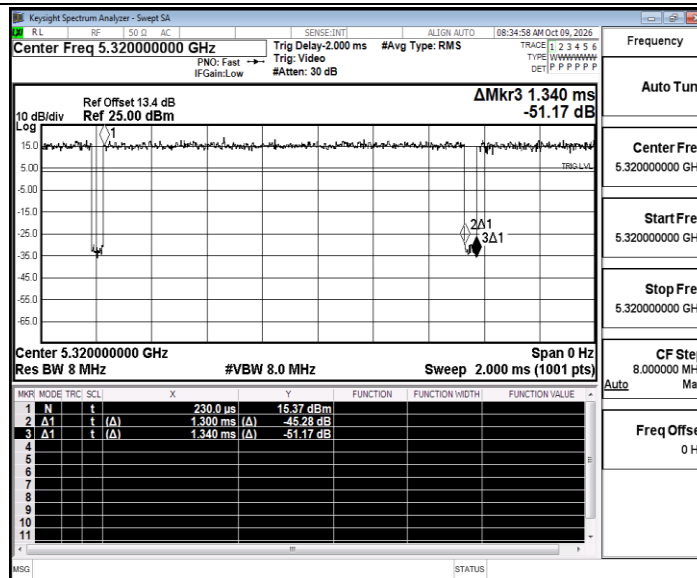
11N20SISO_Ant1_5260



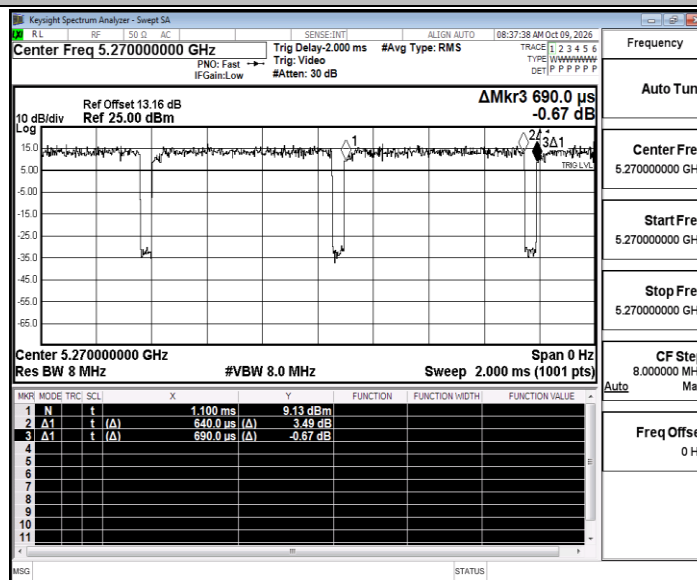
11N20SISO_Ant1_5280



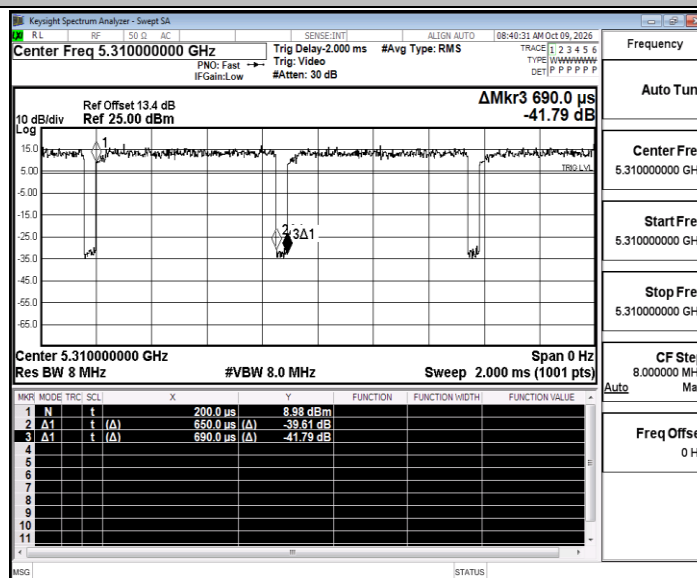
11N20SISO_Ant1_5320



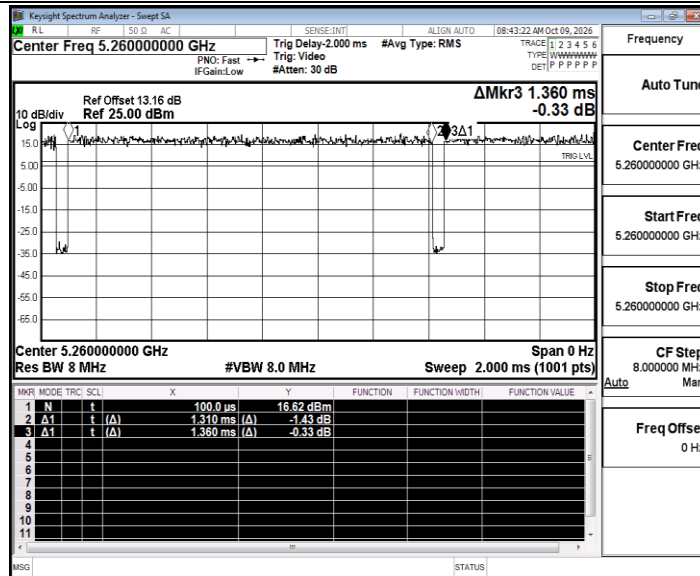
11N40SISO_Ant1_5270



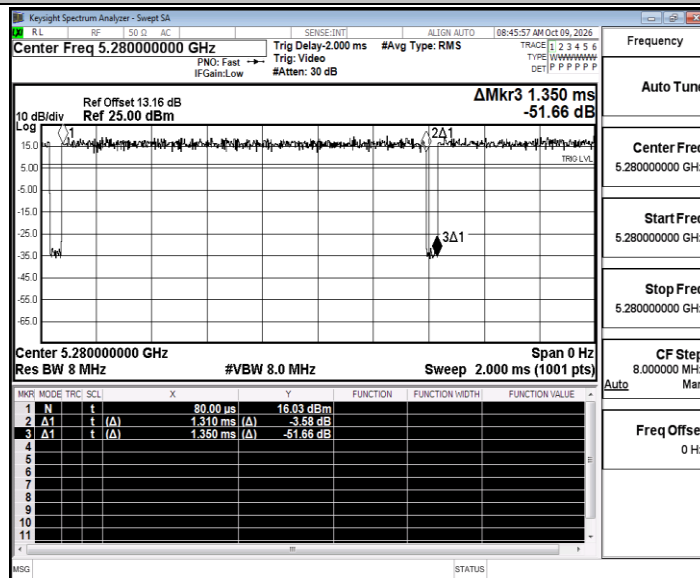
11N40SISO_Ant1_5310



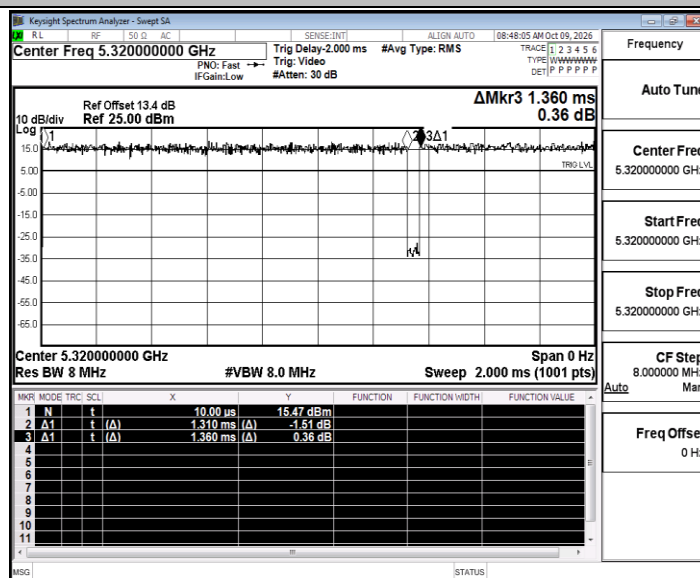
11AC20SISO_Ant1_5260



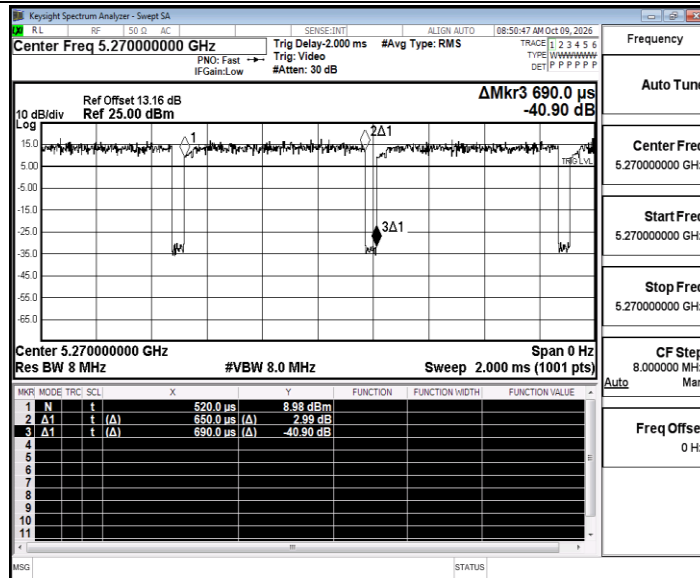
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

