



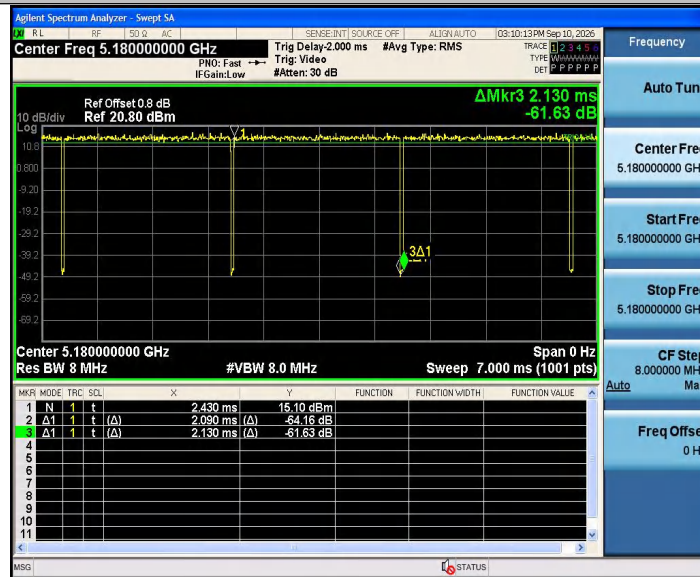
Appendix B: Duty Cycle

Test Result

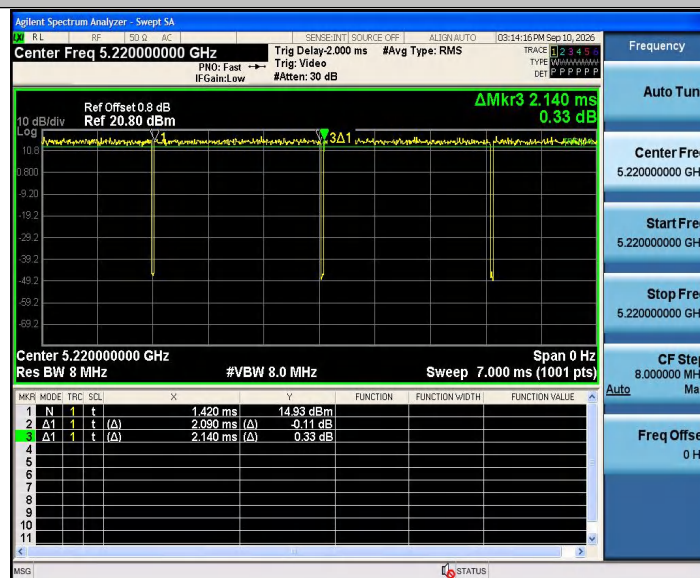
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	Limit	Verdict
11A	Ant1	5180	2.09	2.13	98.12	0.08	---	---
		5220	2.09	2.14	97.66	0.10	---	---
		5240	2.09	2.14	97.66	0.10	---	---
		5745	2.09	2.14	97.66	0.10	---	---
		5785	2.08	2.13	97.65	0.10	---	---
		5825	2.09	2.14	97.66	0.10	---	---
11N20SISO	Ant1	5180	3.97	4.02	98.76	0.05	---	---
		5220	3.97	4.02	98.76	0.05	---	---
		5240	3.98	4.02	99.00	0.04	---	---
		5745	3.97	4.02	98.76	0.05	---	---
		5785	3.98	4.02	99.00	0.04	---	---
		5825	3.98	4.02	99.00	0.04	---	---
11N40SISO	Ant1	5190	3.98	4.02	99.00	0.04	---	---
		5230	3.97	4.02	98.76	0.05	---	---
		5755	3.97	4.02	98.76	0.05	---	---
		5795	3.96	4.01	98.75	0.05	---	---
11AC20SISO	Ant1	5180	3.95	4.00	98.75	0.05	---	---
		5220	3.94	3.99	98.75	0.05	---	---
		5240	3.95	4.00	98.75	0.05	---	---
		5745	3.95	4.00	98.75	0.05	---	---
		5785	3.96	4.00	99.00	0.04	---	---
		5825	3.96	4.01	98.75	0.05	---	---
11AC40SISO	Ant1	5190	3.96	4.00	99.00	0.04	---	---
		5230	3.96	4.00	99.00	0.04	---	---
		5755	3.95	4.00	98.75	0.05	---	---
		5795	3.96	4.01	98.75	0.05	---	---

Test Graphs

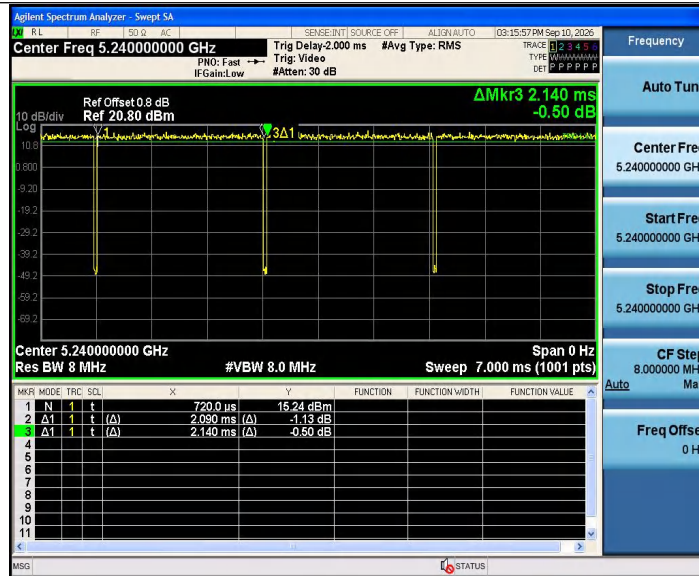
11A_Ant1_5180



11A_Ant1_5220



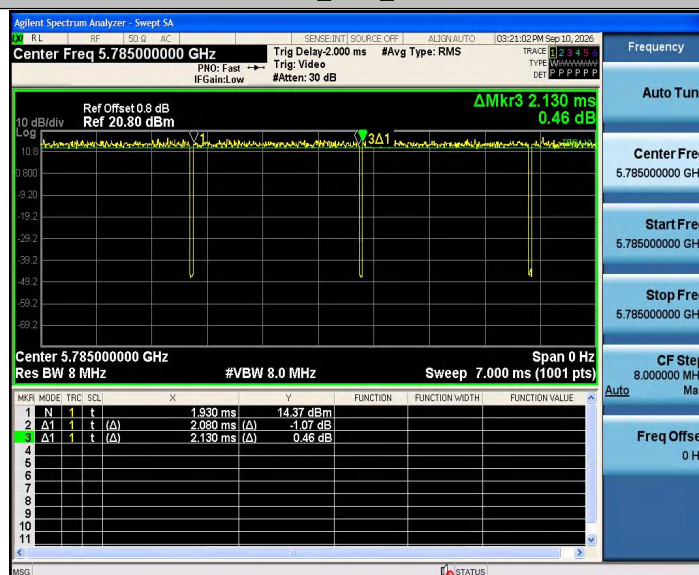
11A_Ant1_5240



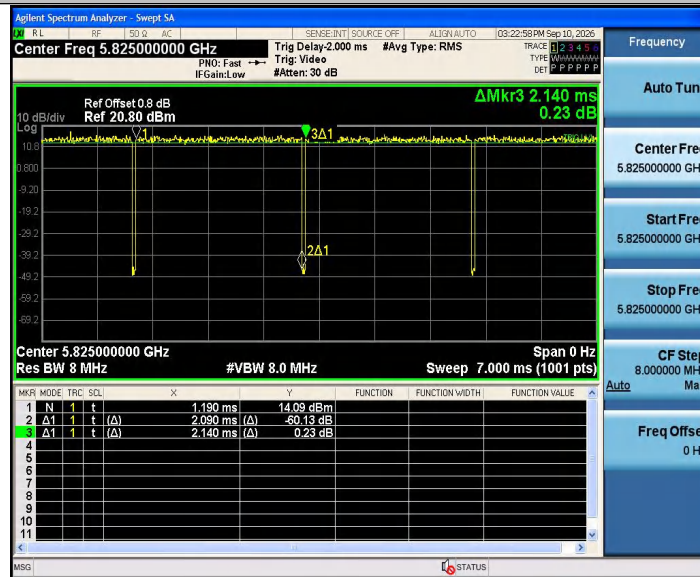
11A_Ant1_5745



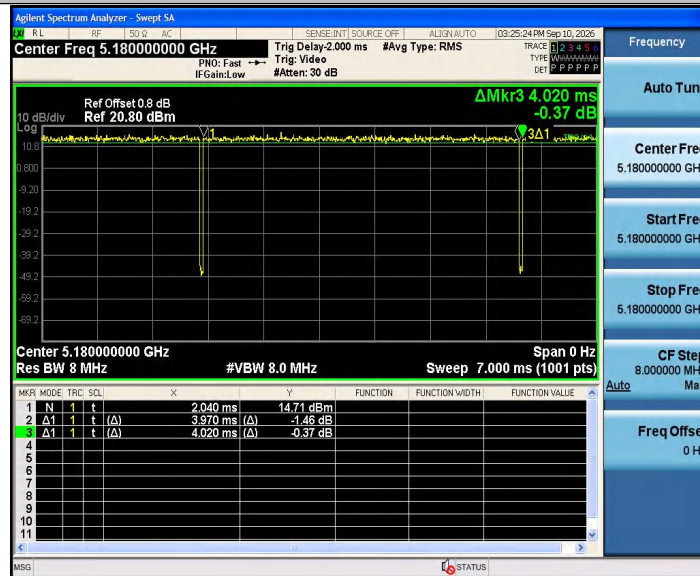
11A_Ant1_5785



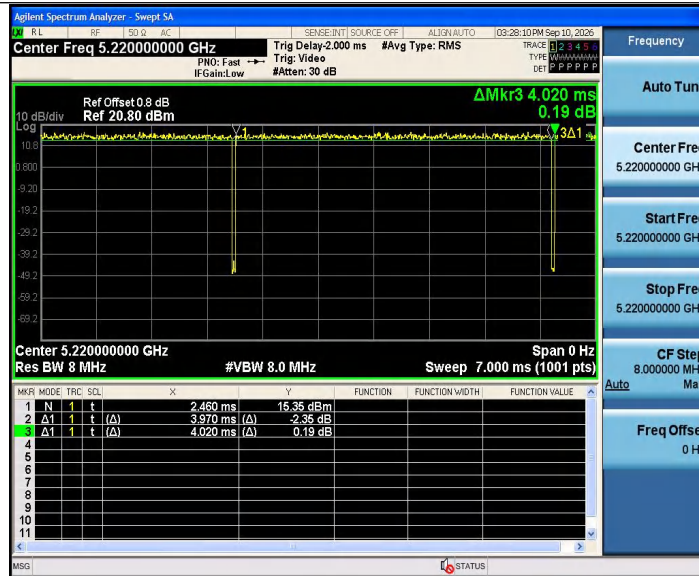
11A_Ant1_5825



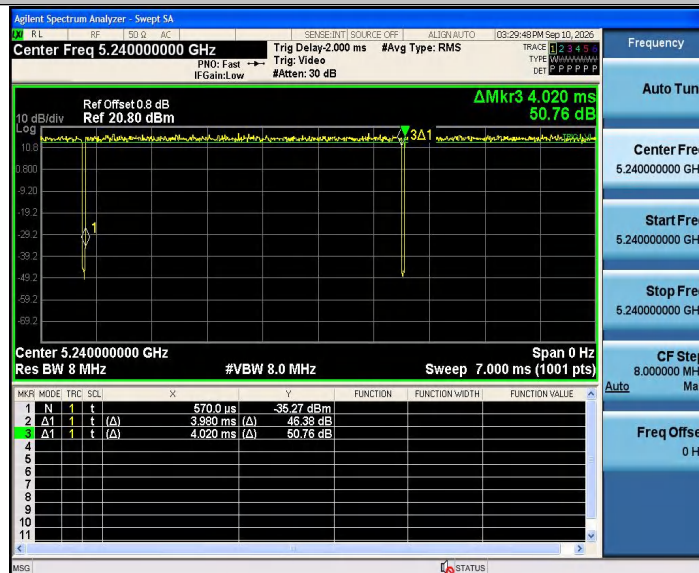
11N20SISO_Ant1_5180



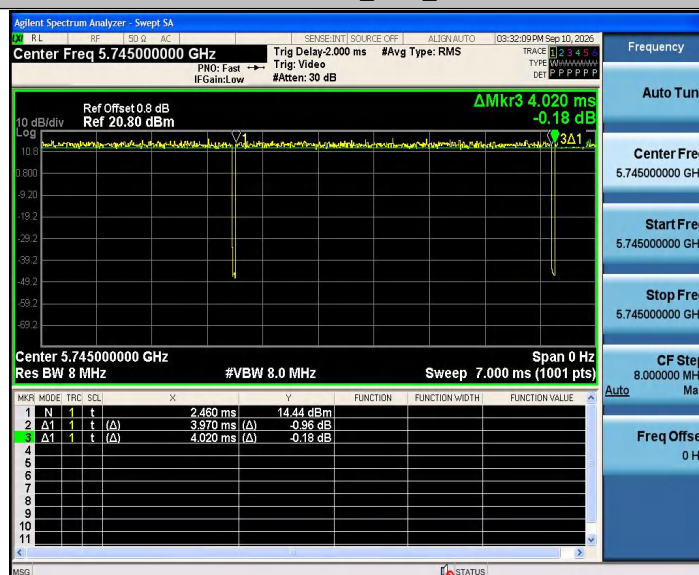
11N20SISO_Ant1_5220



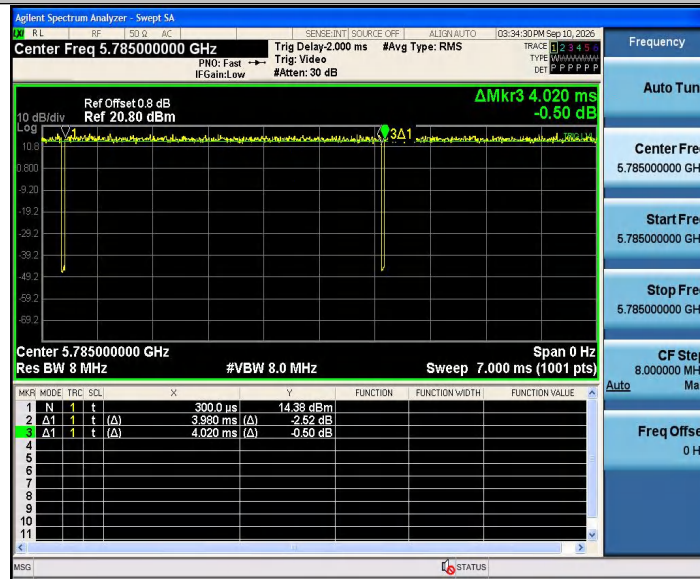
11N20SISO_Ant1_5240



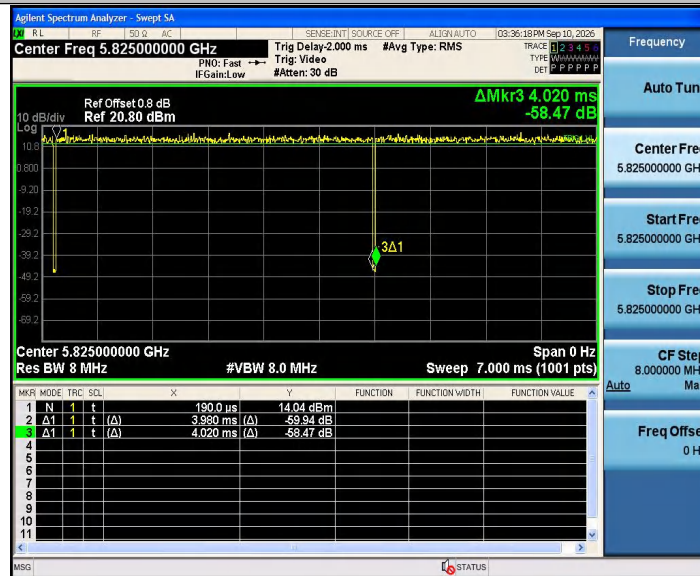
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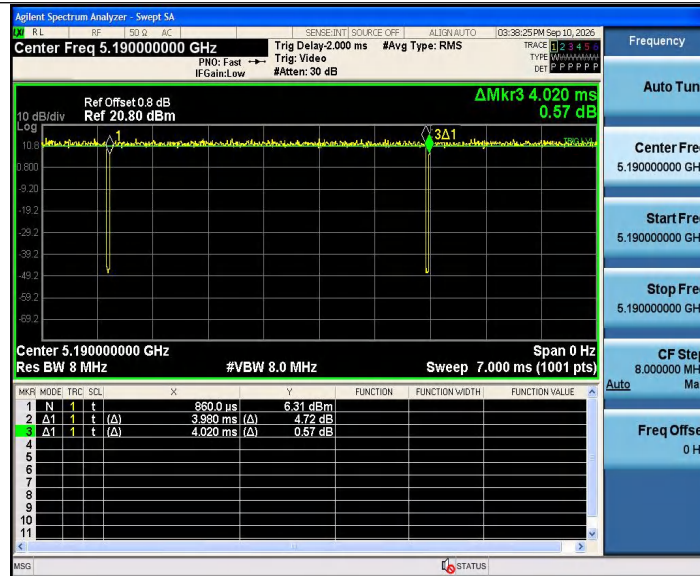
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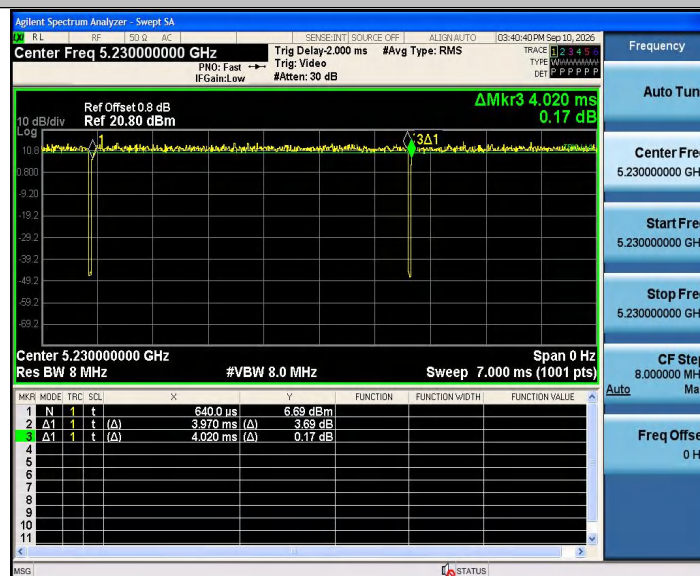
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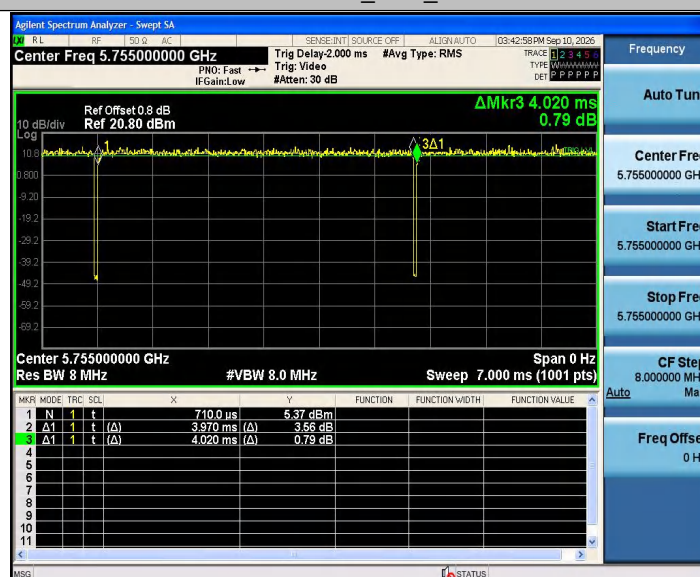
11N40SISO_Ant1_5190



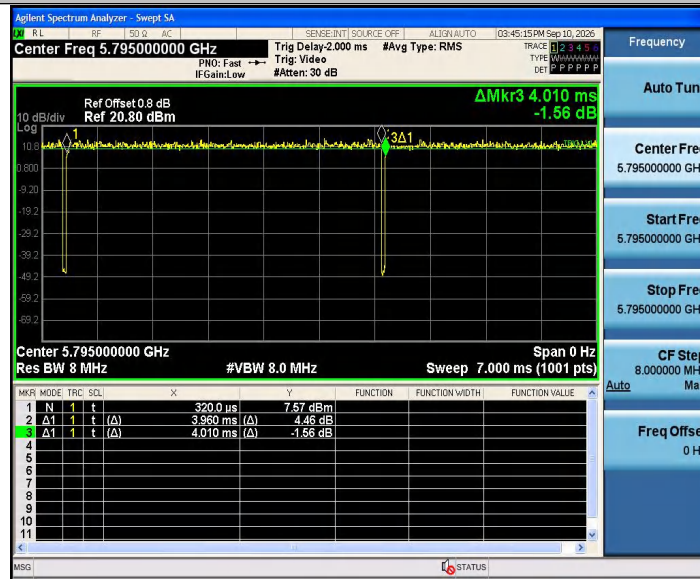
11N40SISO_Ant1_5230



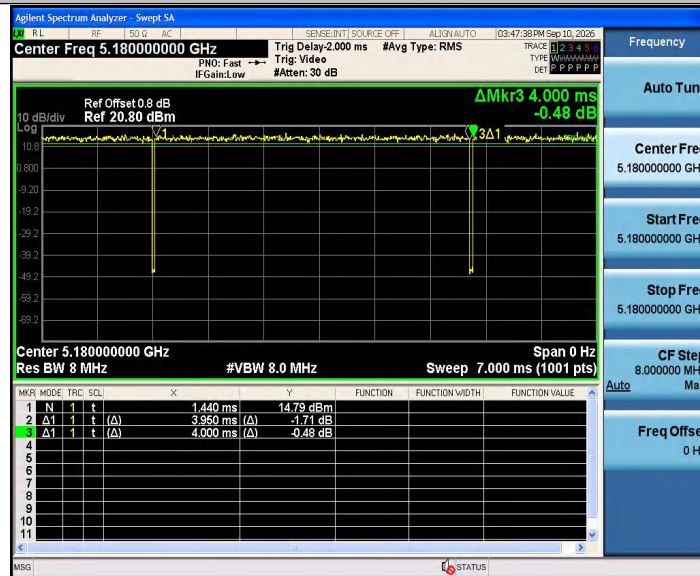
11N40SISO_Ant1_5755



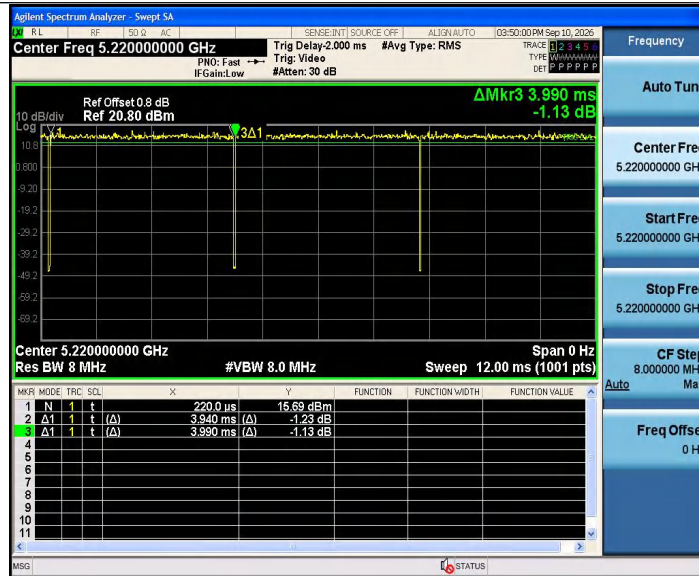
11N40SISO_Ant1_5795



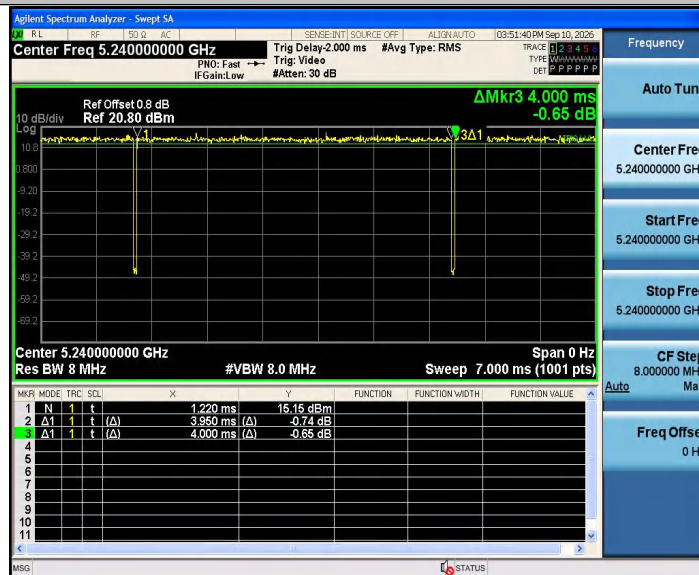
11AC20SISO_Ant1_5180



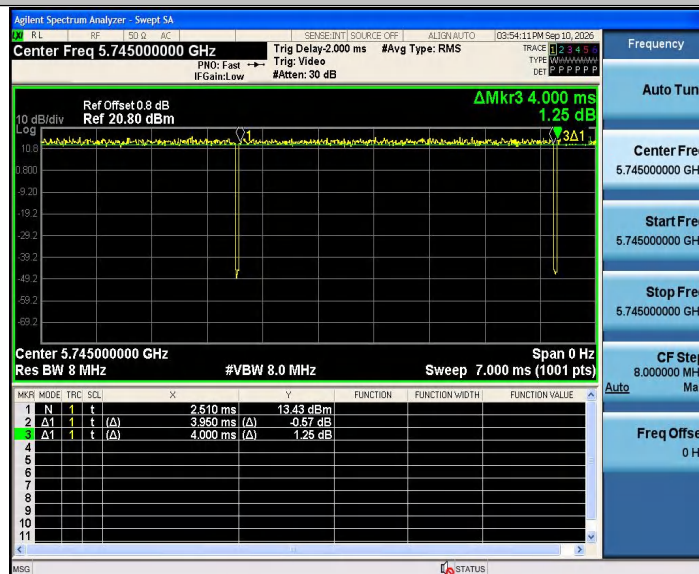
11AC20SISO_Ant1_5220



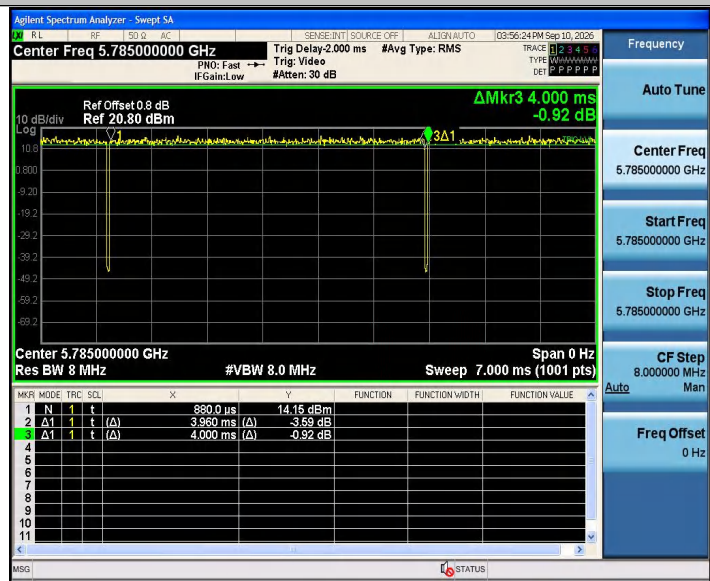
11AC20SISO_Ant1_5240



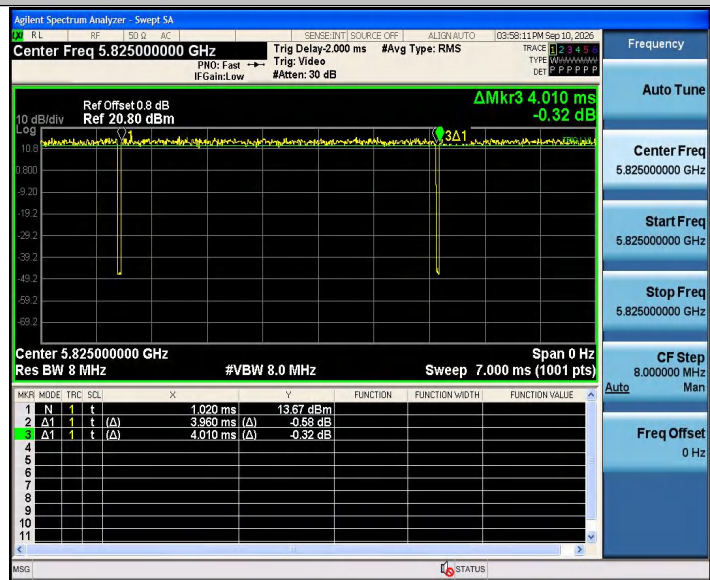
11AC20SISO_Ant1_5745



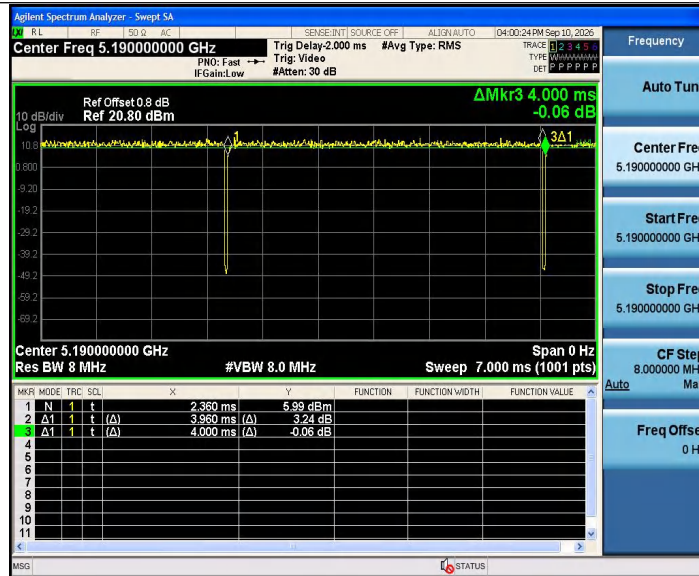
11AC20SISO_Ant1_5785



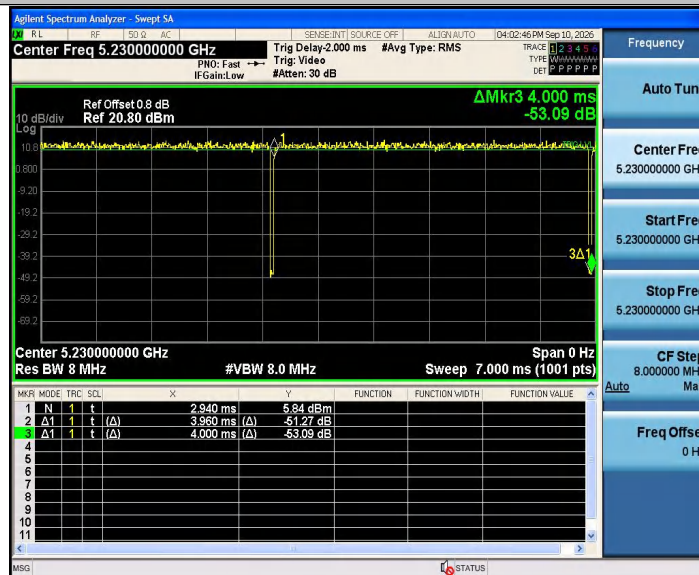
11AC20SISO_Ant1_5825



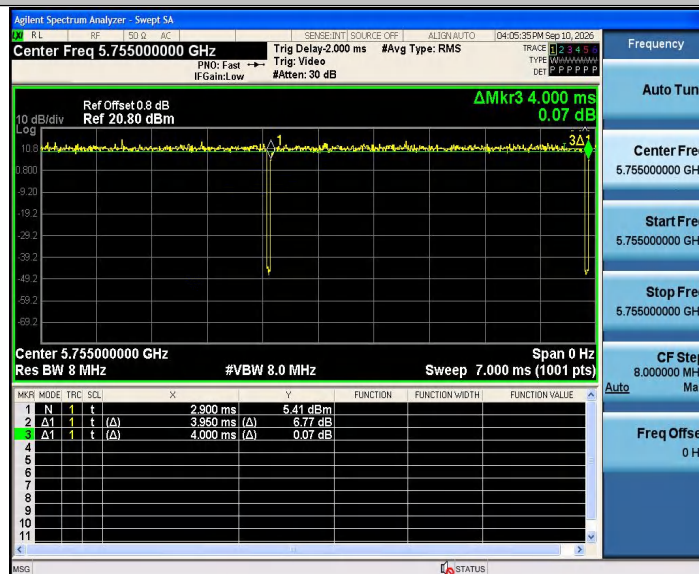
11AC40SISO_Ant1_5190

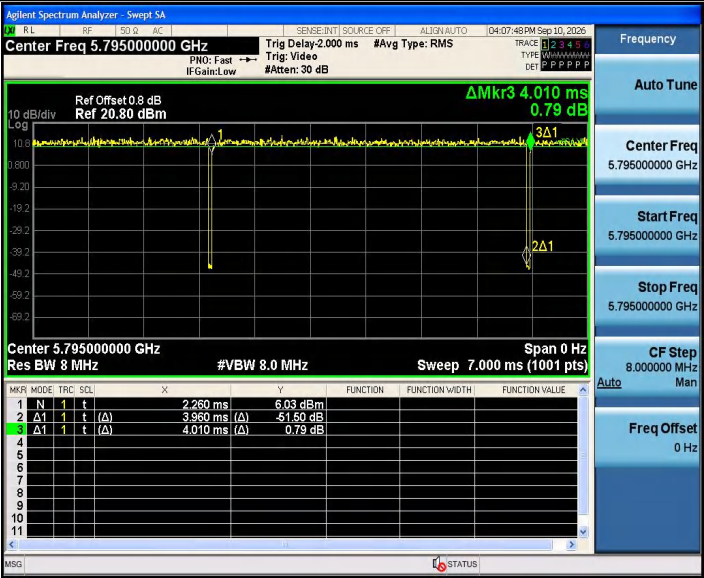


11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755





Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Conducted Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.43	98.12	0.08	12.51	≤23.98	PASS
		5220	12.11	97.66	0.10	12.21	≤23.98	PASS
		5240	12.23	97.66	0.10	12.33	≤23.98	PASS
		5745	12.35	97.66	0.10	12.45	≤30.00	PASS
		5785	12.09	97.65	0.10	12.19	≤30.00	PASS
		5825	12.28	97.66	0.10	12.38	≤30.00	PASS
11N20 SISO	Ant1	5180	11.55	98.76	0.05	11.6	≤23.98	PASS
		5220	12.16	98.76	0.05	12.21	≤23.98	PASS
		5240	12.09	99.00	0.04	12.13	≤23.98	PASS
		5745	12	98.76	0.05	12.05	≤30.00	PASS
		5785	12.15	99.00	0.04	12.19	≤30.00	PASS
		5825	11.93	99.00	0.04	11.97	≤30.00	PASS
11N40 SISO	Ant1	5190	12.14	99.00	0.04	12.18	≤23.98	PASS
		5230	12.33	98.76	0.05	12.38	≤23.98	PASS
		5755	12.21	98.76	0.05	12.26	≤30.00	PASS
		5795	12.38	98.75	0.05	12.43	≤30.00	PASS
11AC2 0SISO	Ant1	5180	11.7	98.75	0.05	11.75	≤23.98	PASS
		5220	11.91	98.75	0.05	11.96	≤23.98	PASS
		5240	11.84	98.75	0.05	11.89	≤23.98	PASS
		5745	11.82	98.75	0.05	11.87	≤30.00	PASS
		5785	12.05	99.00	0.04	12.09	≤30.00	PASS
		5825	11.72	98.75	0.05	11.77	≤30.00	PASS
11AC4 0SISO	Ant1	5190	11.8	99.00	0.04	11.84	≤23.98	PASS
		5230	11.98	99.00	0.04	12.02	≤23.98	PASS
		5755	11.81	98.75	0.05	11.86	≤30.00	PASS
		5795	12.14	98.75	0.05	12.19	≤30.00	PASS

Result [dBm]= Conducted Power[dBm]+ DC Factor [dBm]

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Freq(MHz)	RawData [dBm/MHz]	DC Factor [dBm]	RBW Factor [dBm]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	1.54	0.08	0.00	1.62	≤11.00	PASS
		5220	1.58	0.10	0.00	1.68	≤11.00	PASS
		5240	1.39	0.10	0.00	1.49	≤11.00	PASS
		5745	-4.58	0.10	2.22	-2.26	≤30.00	PASS
		5785	-4.44	0.10	2.22	-2.12	≤30.00	PASS
		5825	-4.67	0.10	2.22	-2.35	≤30.00	PASS
11N20SISO	Ant1	5180	1.01	0.05	0.00	1.06	≤11.00	PASS
		5220	1.66	0.05	0.00	1.71	≤11.00	PASS
		5240	1.59	0.04	0.00	1.63	≤11.00	PASS
		5745	-4.58	0.05	2.22	-2.31	≤30.00	PASS
		5785	-4.33	0.04	2.22	-2.07	≤30.00	PASS
		5825	-4.88	0.04	2.22	-2.62	≤30.00	PASS
11N40SISO	Ant1	5190	-1.76	0.04	0.00	-1.72	≤11.00	PASS
		5230	-1.39	0.05	0.00	-1.34	≤11.00	PASS
		5755	-7.57	0.05	2.22	-5.30	≤30.00	PASS
		5795	-7.34	0.05	2.22	-5.07	≤30.00	PASS
11AC20SISO	Ant1	5180	0.88	0.05	0.00	0.93	≤11.00	PASS
		5220	1.33	0.05	0.00	1.38	≤11.00	PASS
		5240	1.2	0.05	0.00	1.25	≤11.00	PASS
		5745	-4.95	0.05	2.22	-2.68	≤30.00	PASS
		5785	-4.7	0.04	2.22	-2.44	≤30.00	PASS
		5825	-4.86	0.05	2.22	-2.59	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.28	0.04	0.00	-2.24	≤11.00	PASS
		5230	-2.14	0.04	0.00	-2.10	≤11.00	PASS
		5755	-8.01	0.05	2.22	-5.74	≤30.00	PASS
		5795	-7.63	0.05	2.22	-5.36	≤30.00	PASS

Note: Total Power Spectral Density (dBm/MHz) = Power Spectral Density (dBm/MHz) + Duty Factor (dB)

Remark: P.S.D(dBm/500KHz) = P.S.D(dBm/300KHz) + 10 log (500 kHz/300KHz) + Duty factor.

The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825





11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix E: Band edge measurements

Test Result B1

Test Mode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-46.47	≤-27	PASS
		High	5240	-49.02	≤-27	PASS
11N20SISO	Ant1	Low	5180	-45.74	≤-27	PASS
		High	5240	-48.65	≤-27	PASS
11N40SISO	Ant1	Low	5190	-41.08	≤-27	PASS
		High	5230	-48.75	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-46.67	≤-27	PASS
		High	5240	-48.67	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-38.29	≤-27	PASS
		High	5230	-48.65	≤-27	PASS

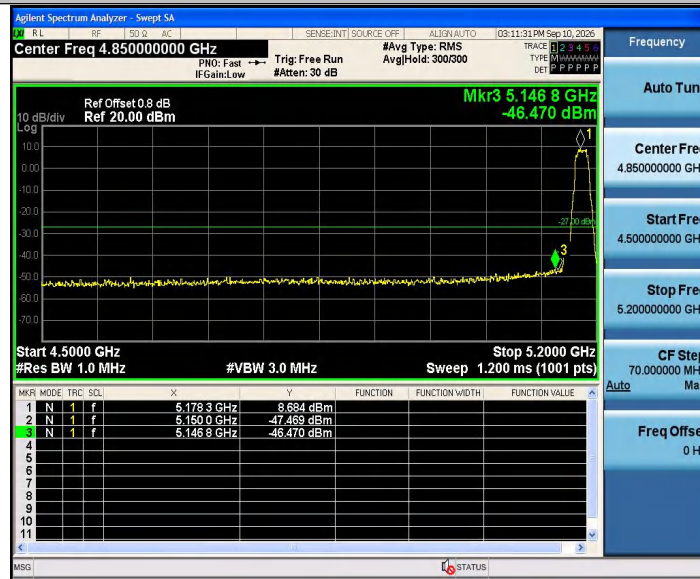
Test Result B4

Test Mode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5645~5650	-47.74	≤-27	PASS
				5650~5700	-49.42	≤-26.79	PASS
				5700~5720	-47.94	≤10.41	PASS
				5720~5725	-47.25	≤17.13	PASS
		High	5825	5850~5855	-49.1	≤16.34	PASS
				5855~5875	-48.44	≤10.44	PASS
				5875~5925	-51.15	≤-26.71	PASS
				5925~5935	-49.26	≤-27	PASS
11N20SISO	Ant1	Low	5745	5645~5650	-48.91	≤-27	PASS
				5650~5700	-48.6	≤-26.70	PASS
				5700~5720	-47.93	≤10.35	PASS
				5720~5725	-46.18	≤16.34	PASS
		High	5825	5850~5855	-48.83	≤16.96	PASS
				5855~5875	-48.34	≤11.80	PASS
				5875~5925	-50.38	≤-26.91	PASS
				5925~5935	-50.41	≤-27	PASS
11N40SISO	Ant1	Low	5755	5645~5650	-47.3	≤-27	PASS
				5650~5700	-49.27	≤-26.50	PASS
				5700~5720	-40.3	≤13.65	PASS
				5720~5725	-40.06	≤16.66	PASS
		High	5795	5850~5855	-49.19	≤15.66	PASS
				5855~5875	-49.82	≤10.25	PASS

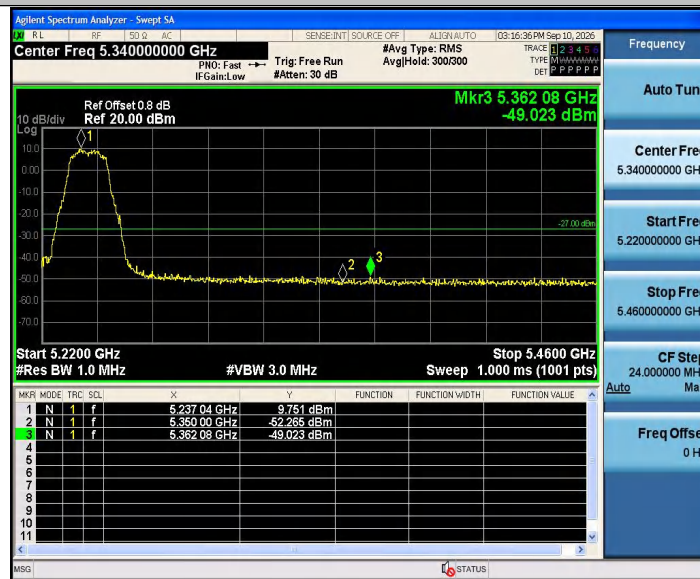
				5875~5925	-50.39	≤ -26.83	PASS
				5925~5935	-50.26	≤ -27	PASS
11AC20SI SO	Ant1	Low	5745	5645~5650	-48.69	≤ -27	PASS
				5650~5700	-47.12	≤ -25.93	PASS
				5700~5720	-47.41	≤ 10.25	PASS
				5720~5725	-44.07	≤ 15.82	PASS
		High	5825	5850~5855	-48.53	≤ 15.73	PASS
				5855~5875	-48.97	≤ 10.32	PASS
				5875~5925	-49.43	≤ -26.11	PASS
				5925~5935	-49.71	≤ -27	PASS
11AC40SI SO	Ant1	Low	5755	5645~5650	-48.27	≤ -27	PASS
				5650~5700	-48.5	≤ -26.90	PASS
				5700~5720	-39.87	≤ 14.79	PASS
				5720~5725	-41.59	≤ 15.74	PASS
		High	5795	5850~5855	-46.77	≤ 16.41	PASS
				5855~5875	-48.67	≤ 11.17	PASS
				5875~5925	-50.51	≤ -26.46	PASS
				5925~5935	-49.81	≤ -27	PASS

Test Graphs B1

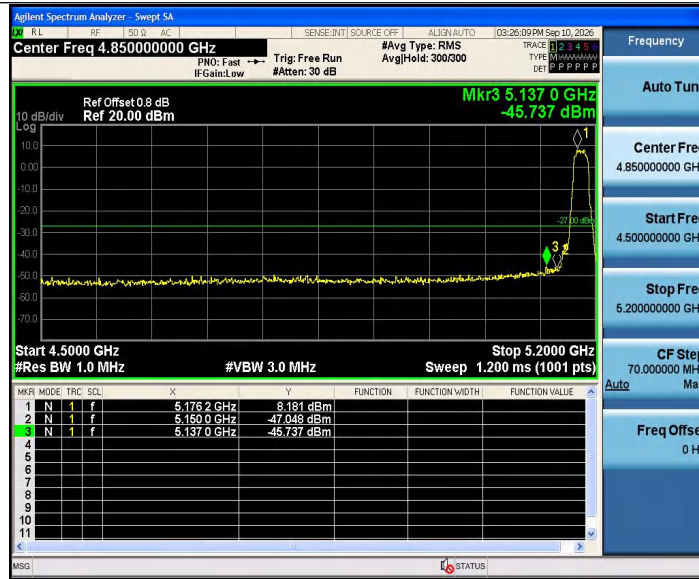
11A_Ant1_Low_5180



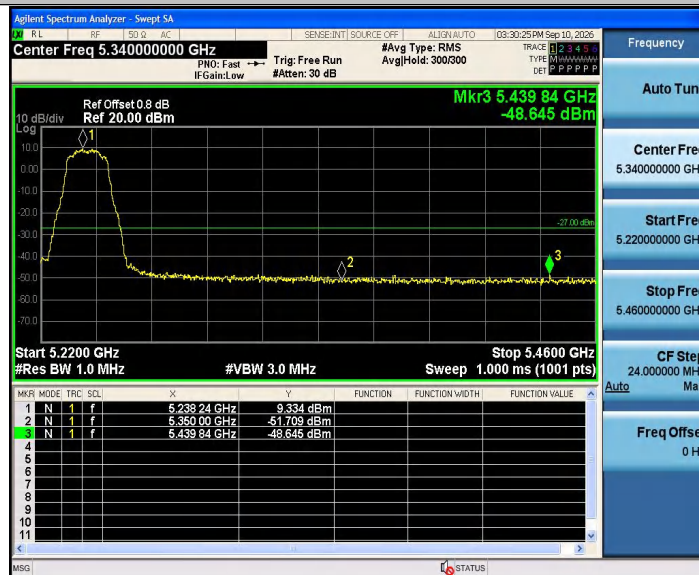
11A_Ant1_High_5240



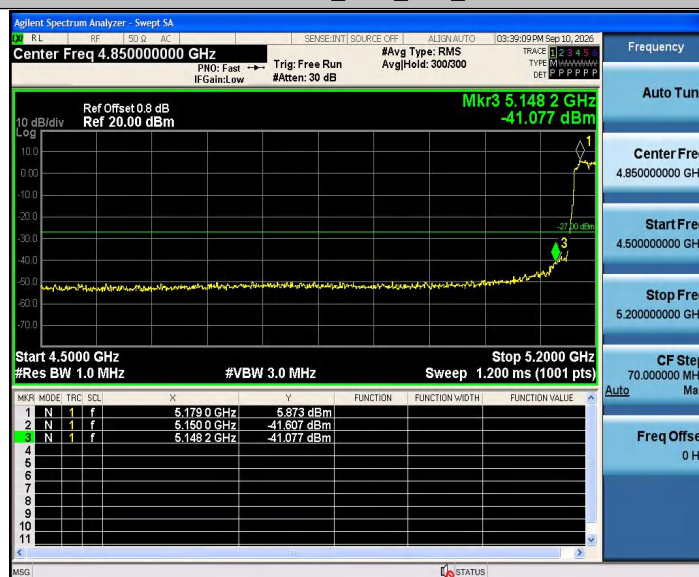
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



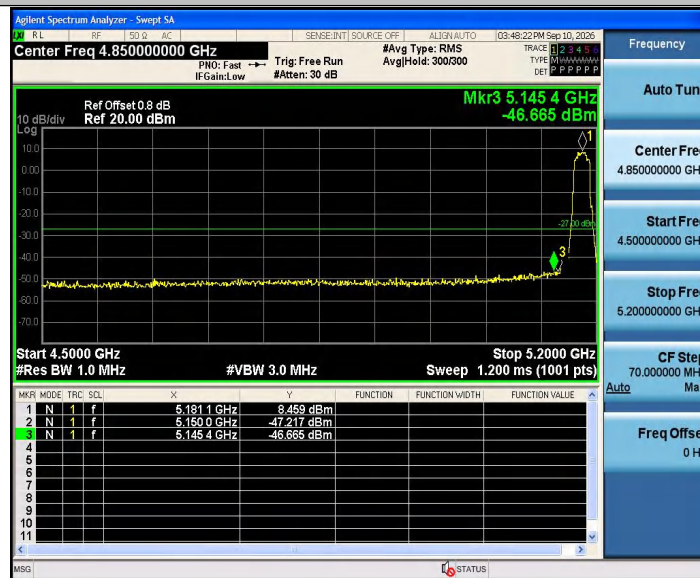
11N40SISO_Ant1_Low_5190



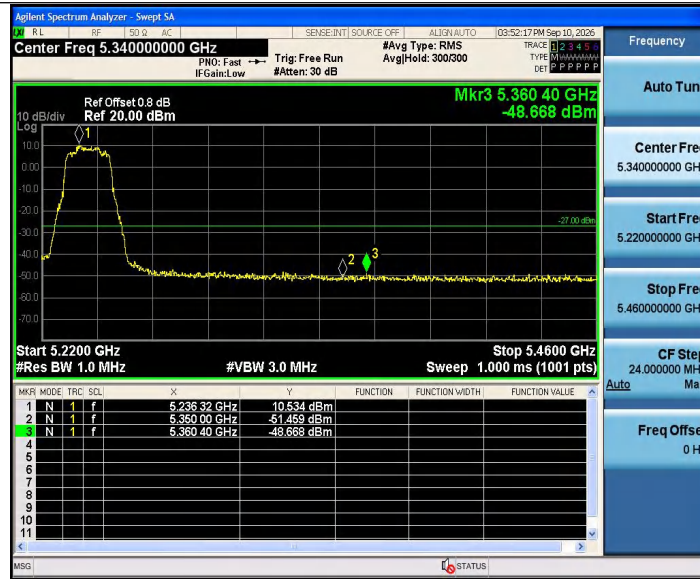
11N40SISO_Ant1_High_5230



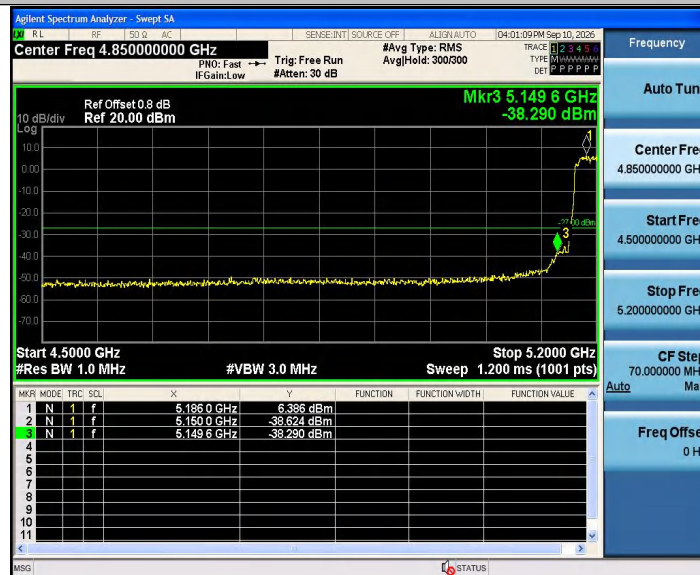
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SiSO_Ant1_Low_5190



11AC40SiSO_Ant1_High_5230

