

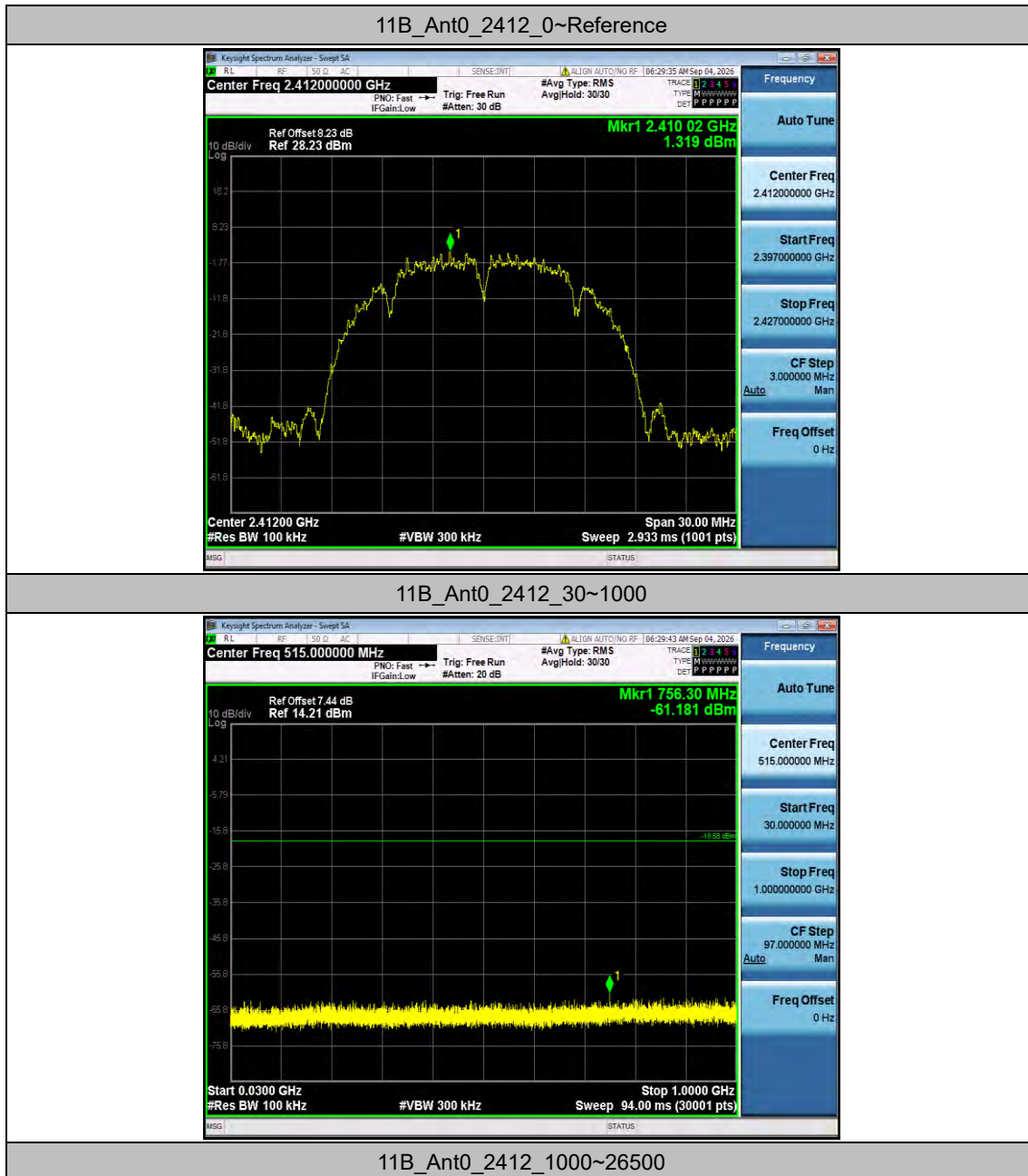
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-61.18	≤ -18.68	PASS
			1000~26500	1.32	-48.33	≤ -18.68	PASS
		2437	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-61.74	≤ -17.84	PASS
			1000~26500	2.16	-47.62	≤ -17.84	PASS
		2462	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-61.34	≤ -17.72	PASS
			1000~26500	2.28	-47.6	≤ -17.72	PASS
11G	Ant0	2412	Reference	-3.95	-3.95	---	PASS
			30~1000	-3.95	-62.08	≤ -23.95	PASS
			1000~26500	-3.95	-47.84	≤ -23.95	PASS
		2437	Reference	-3.99	-3.99	---	PASS
			30~1000	-3.99	-61.96	≤ -23.99	PASS
			1000~26500	-3.99	-48.02	≤ -23.99	PASS
		2462	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-62.13	≤ -24.19	PASS
			1000~26500	-4.19	-48.22	≤ -24.19	PASS
11N20SISO	Ant0	2412	Reference	-6.14	-6.14	---	PASS
			30~1000	-6.14	-61.8	≤ -26.14	PASS
			1000~26500	-6.14	-48.3	≤ -26.14	PASS
		2437	Reference	-6.98	-6.98	---	PASS
			30~1000	-6.98	-61.58	≤ -26.98	PASS
			1000~26500	-6.98	-48.34	≤ -26.98	PASS
		2462	Reference	-7.10	-7.10	---	PASS
			30~1000	-7.10	-60.68	≤ -27.1	PASS
			1000~26500	-7.10	-47.86	≤ -27.1	PASS
11N40SISO	Ant0	2422	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-61.94	≤ -26.65	PASS
			1000~26500	-6.65	-46.98	≤ -26.65	PASS
		2437	Reference	-6.52	-6.52	---	PASS
			30~1000	-6.52	-62.43	≤ -26.52	PASS
			1000~26500	-6.52	-48.54	≤ -26.52	PASS
		2452	Reference	-7.12	-7.12	---	PASS
			30~1000	-7.12	-61.68	≤ -27.12	PASS
			1000~26500	-7.12	-47.86	≤ -27.12	PASS

11AX20SISO	Ant0	2412	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-61.57	≤ -25.98	PASS
			1000~26500	-5.98	-47.54	≤ -25.98	PASS
		2437	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-61.7	≤ -26.62	PASS
			1000~26500	-6.62	-47.9	≤ -26.62	PASS
		2462	Reference	-6.38	-6.38	---	PASS
			30~1000	-6.38	-58.55	≤ -26.38	PASS
			1000~26500	-6.38	-47.83	≤ -26.38	PASS
11AX40SISO	Ant0	2422	Reference	-8.38	-8.38	---	PASS
			30~1000	-8.38	-58.4	≤ -28.38	PASS
			1000~26500	-8.38	-48.04	≤ -28.38	PASS
		2437	Reference	-8.37	-8.37	---	PASS
			30~1000	-8.37	-57.84	≤ -28.37	PASS
			1000~26500	-8.37	-47.83	≤ -28.37	PASS
		2452	Reference	-8.83	-8.83	---	PASS
			30~1000	-8.83	-58.59	≤ -28.83	PASS
			1000~26500	-8.83	-47.76	≤ -28.83	PASS

Test Graphs

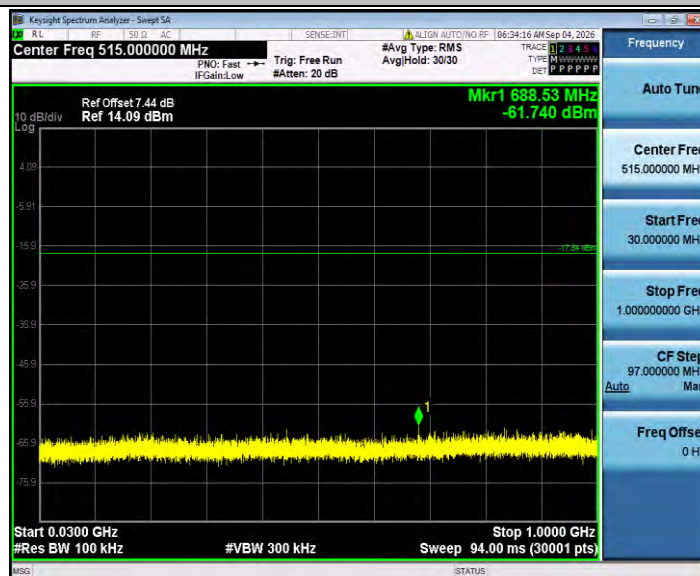




11B_Ant0_2437_0~Reference



11B_Ant0_2437_30~1000



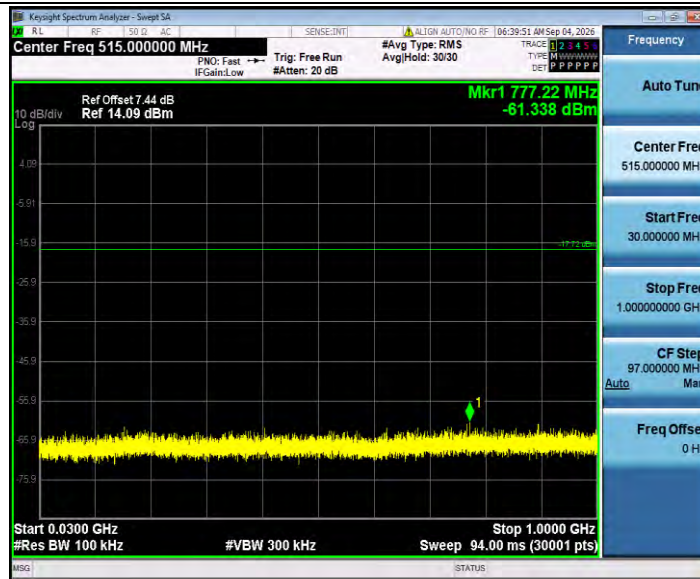
11B_Ant0_2437_1000~26500



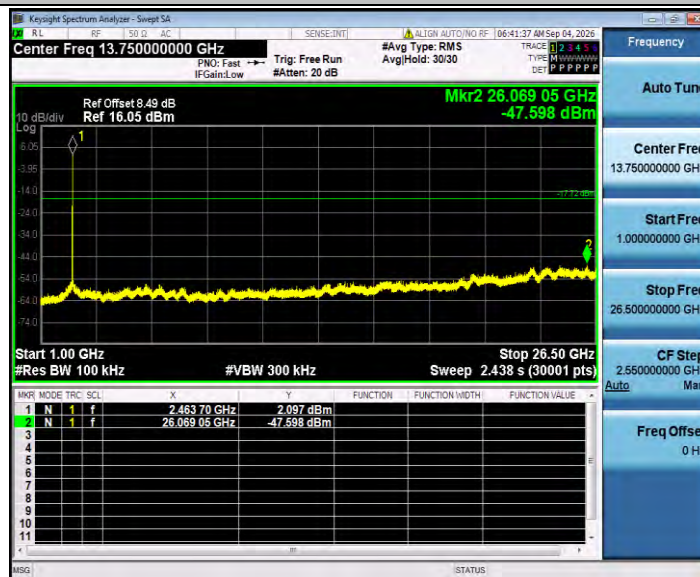
11B_Ant0_2462_0~Reference



11B_Ant0_2462_30~1000



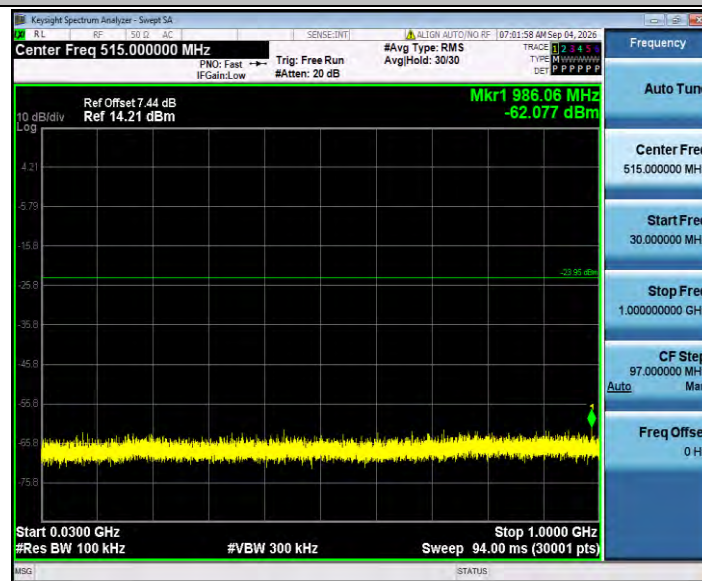
11B_Ant0_2462_1000~26500



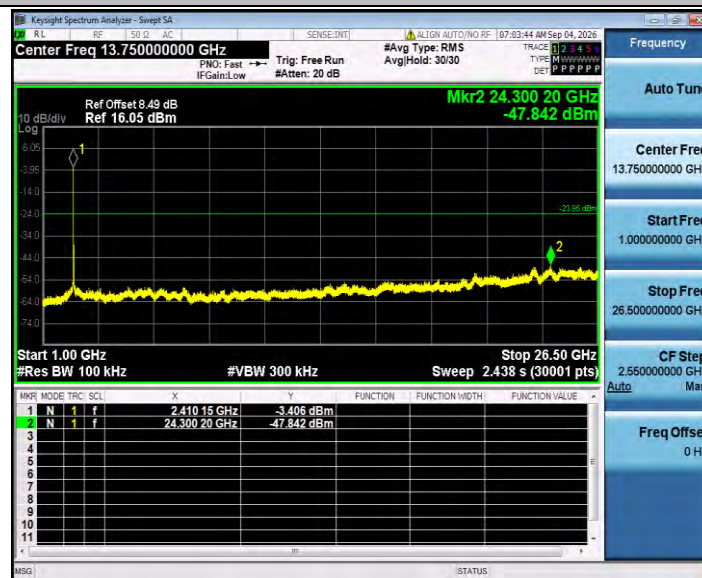
11G_Ant0_2412_0~Reference



11G_Ant0_2412_30~1000



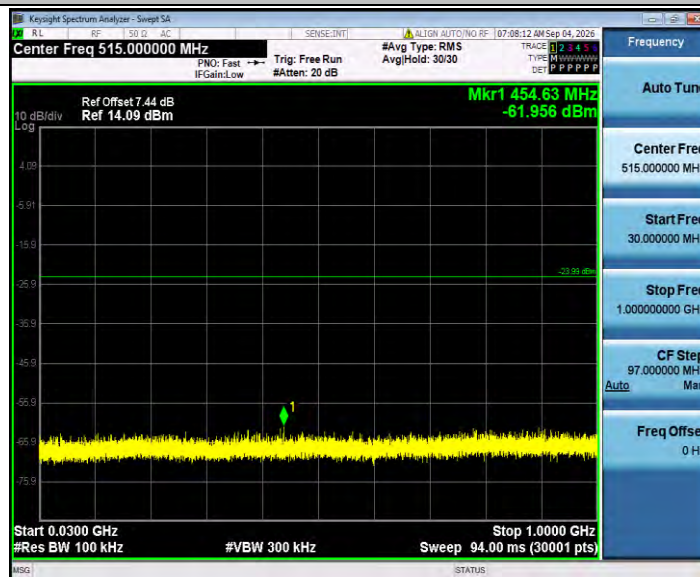
11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



11G_Ant0_2437_30~1000



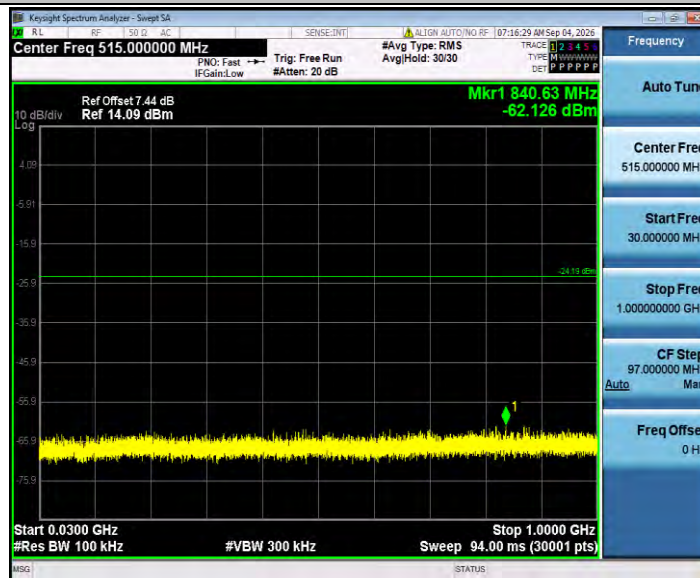
11G_Ant0_2437_1000~26500



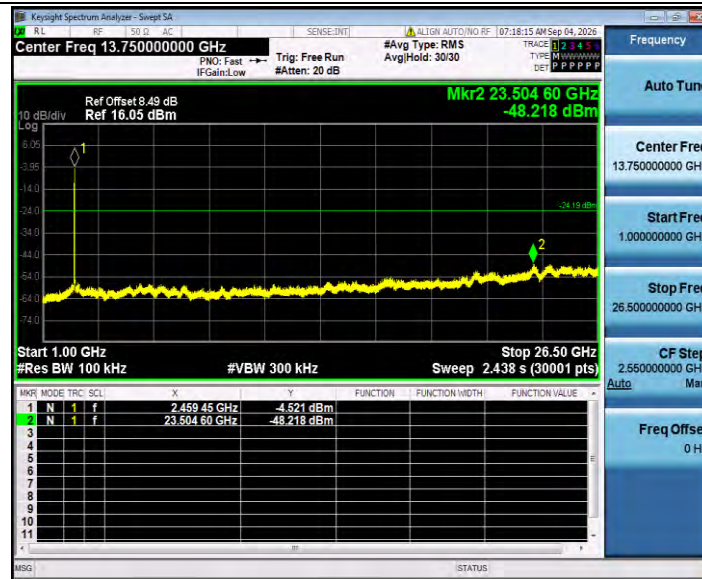
11G_Ant0_2462_0~Reference



11G_Ant0_2462_30~1000



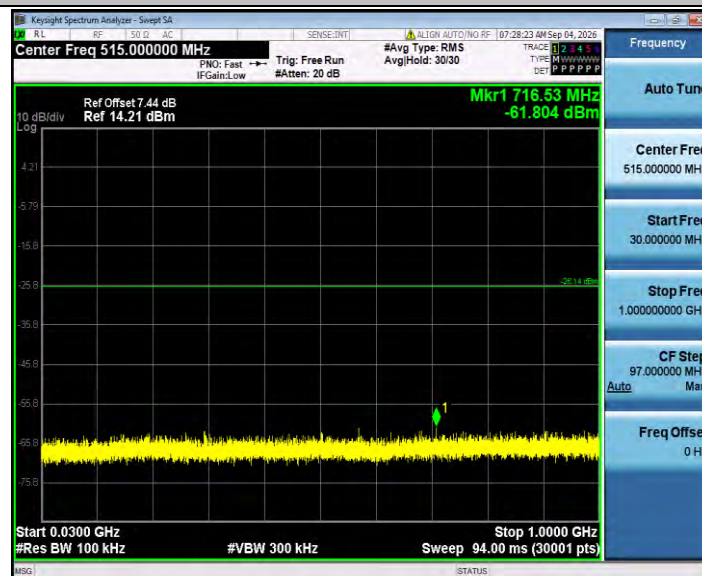
11G_Ant0_2462_1000~26500



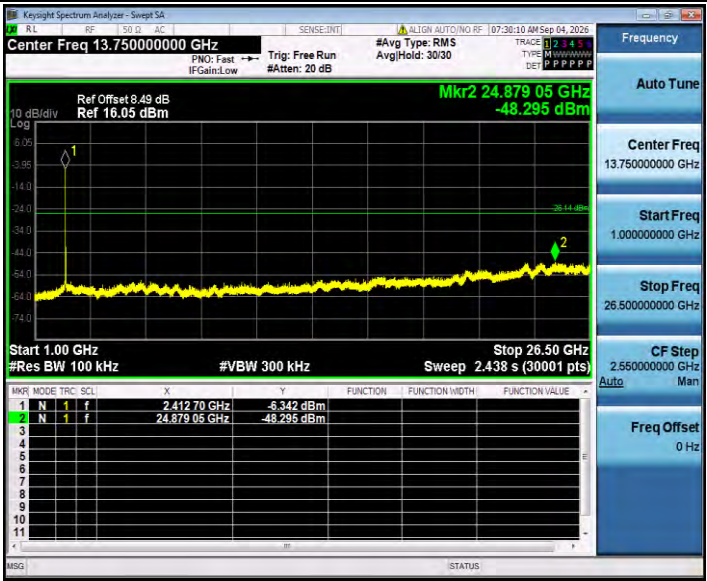
11N20ISO_Ant0_2412_0~Reference



11N20ISO_Ant0_2412_30~1000



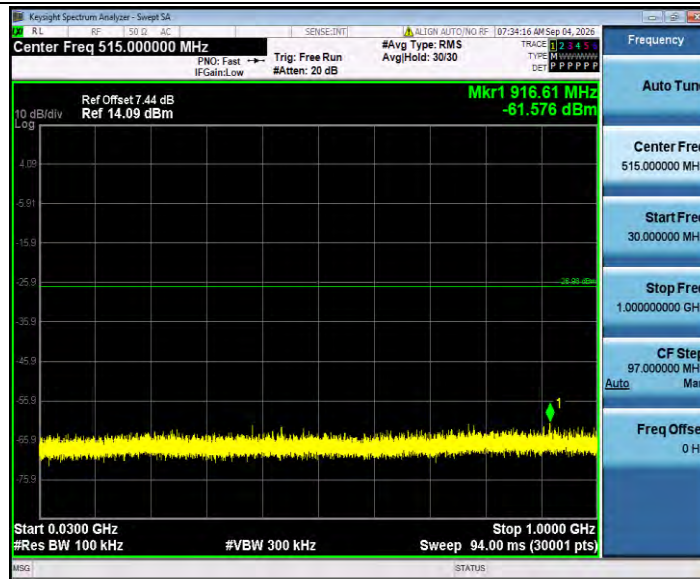
11N20SISO_Ant0_2412_1000~26500



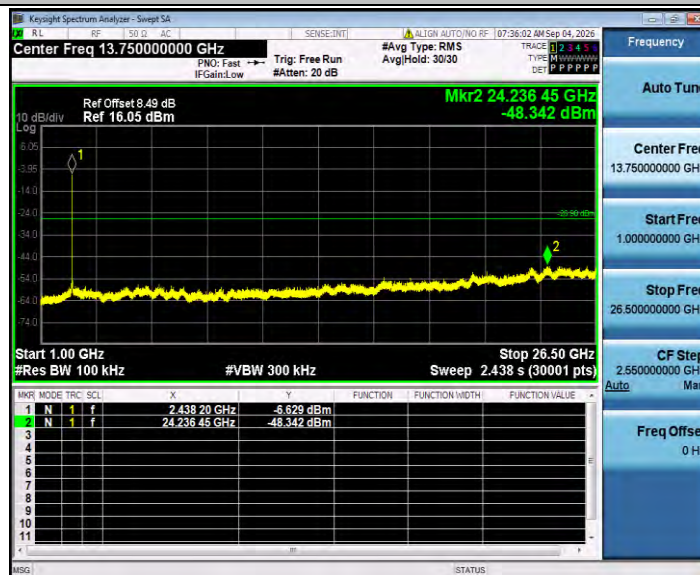
11N20SISO_Ant0_2437_0~Reference



11N20SISO_Ant0_2437_30~1000



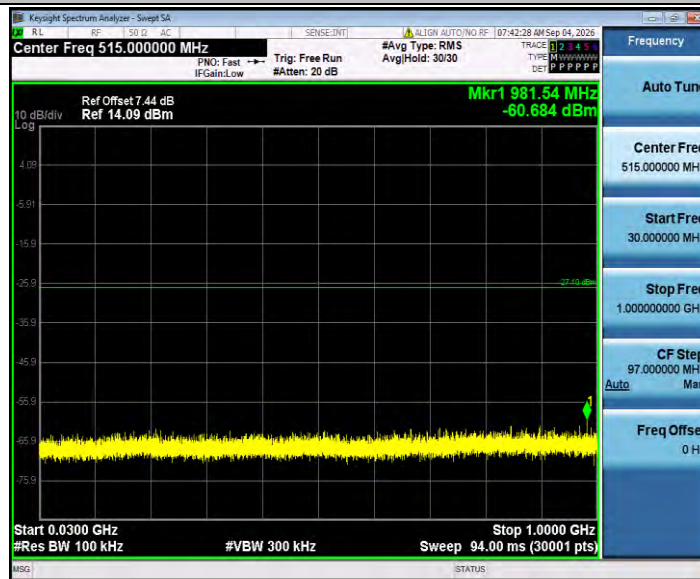
11N20SISO_Ant0_2437_1000~26500



11N20SISO_Ant0_2462_0~Reference



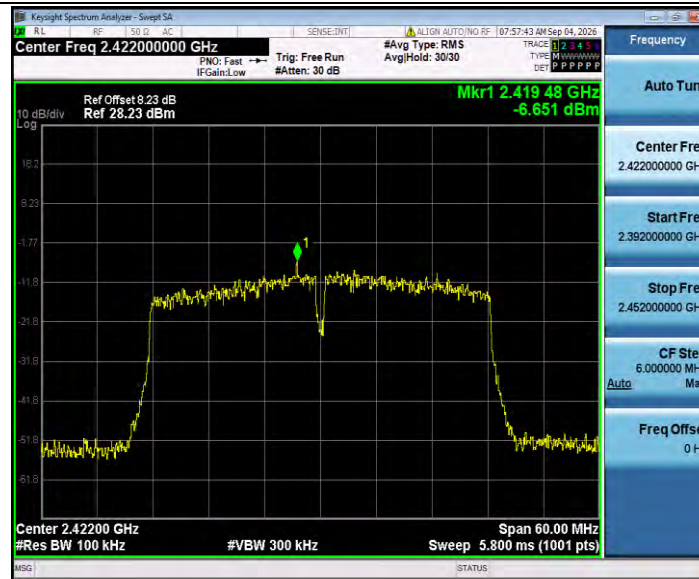
11N20SISO_Ant0_2462_30~1000



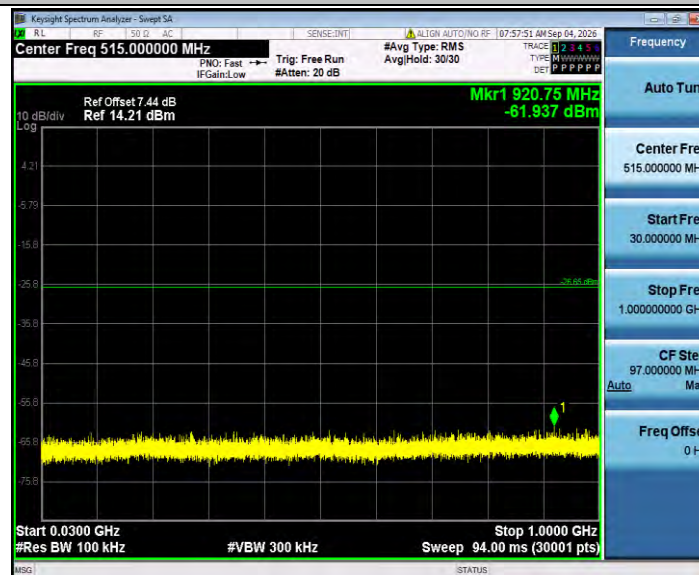
11N20SISO_Ant0_2462_1000~26500



11N40SISO_Ant0_2422_0~Reference



11N40SISO_Ant0_2422_30~1000



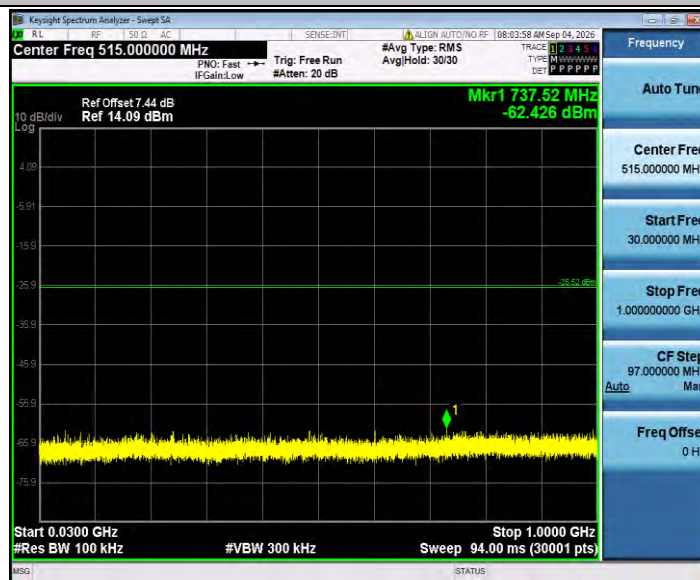
11N40SISO_Ant0_2422_1000~26500



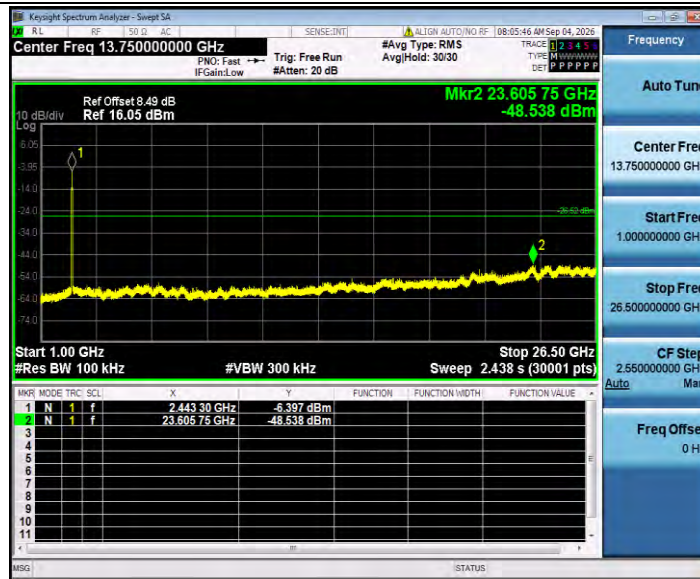
11N40SISO_Ant0_2437_0~Reference



11N40SISO_Ant0_2437_30~1000



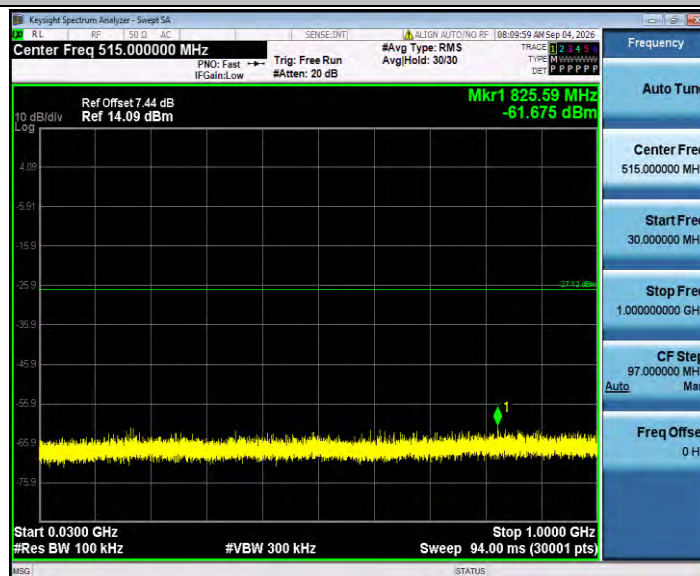
11N40SISO_Ant0_2437_1000~26500



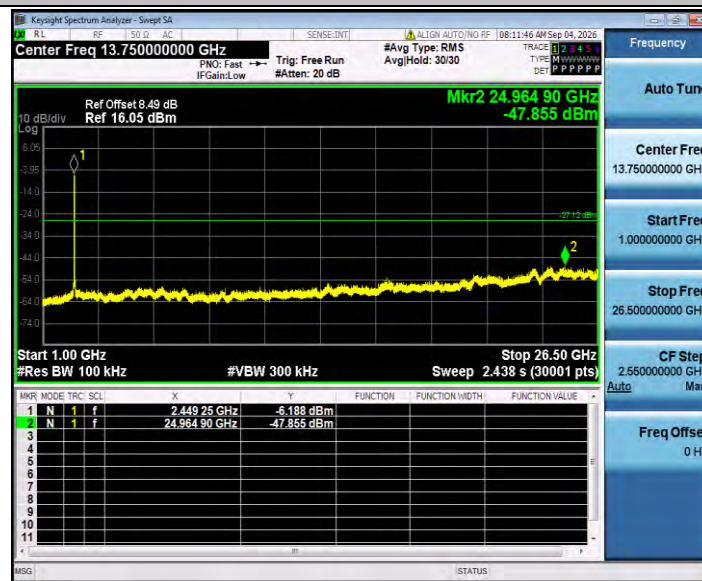
11N40SISO_Ant0_2452_0~Reference



11N40SISO_Ant0_2452_30~1000



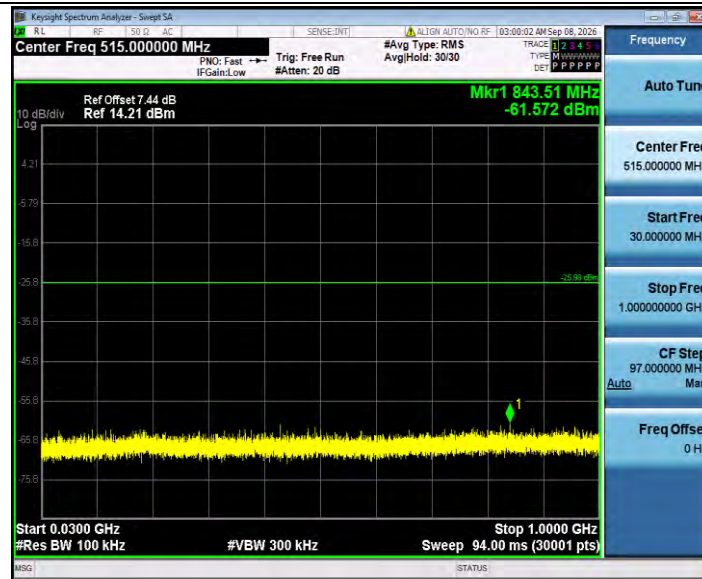
11N40SISO_Ant0_2452_1000~26500



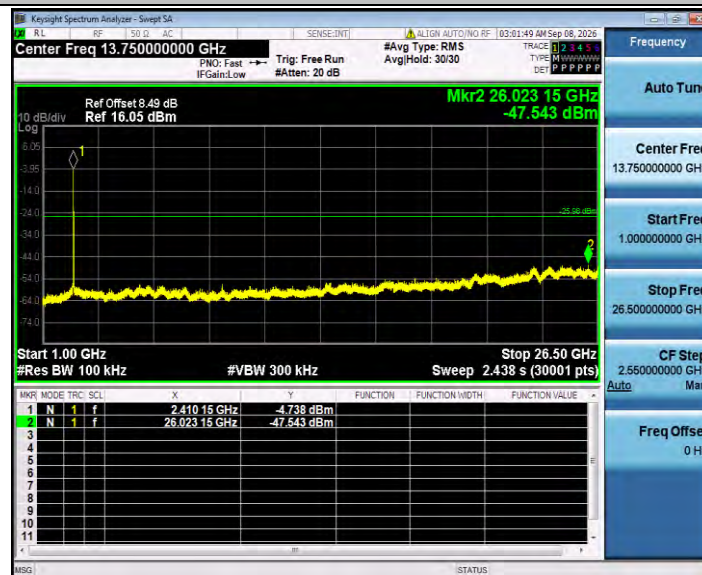
11AX20SISO_Ant0_2412_0~Reference



11AX20SISO_Ant0_2412_30~1000

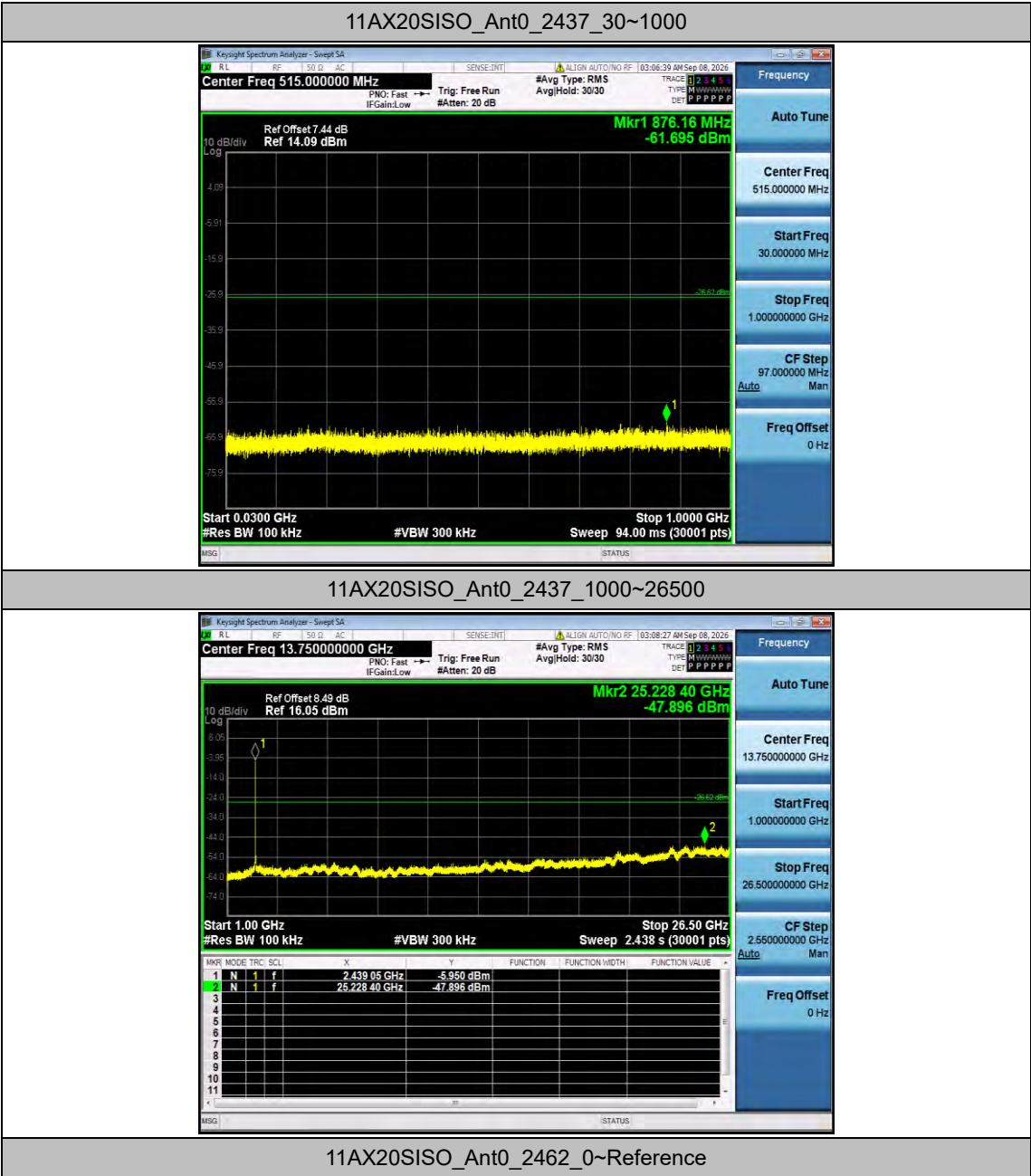


11AX20SISO_Ant0_2412_1000~26500



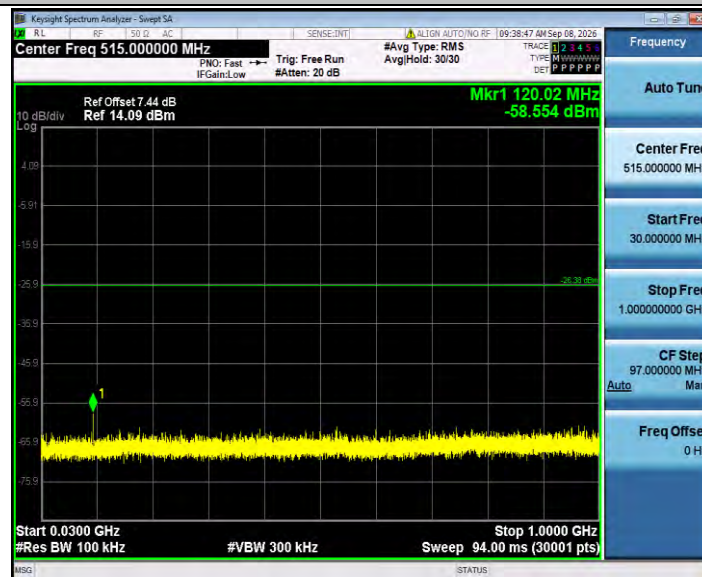
11AX20SISO_Ant0_2437_0~Reference







11AX20SISO_Ant0_2462_30~1000



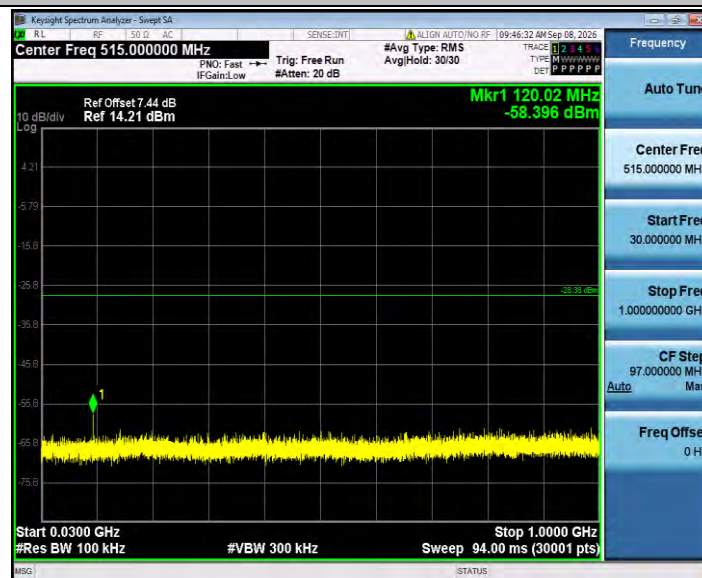
11AX20SISO_Ant0_2462_1000~26500



11AX40SISO_Ant0_2422_0~Reference



11AX40SISO_Ant0_2422_30~1000



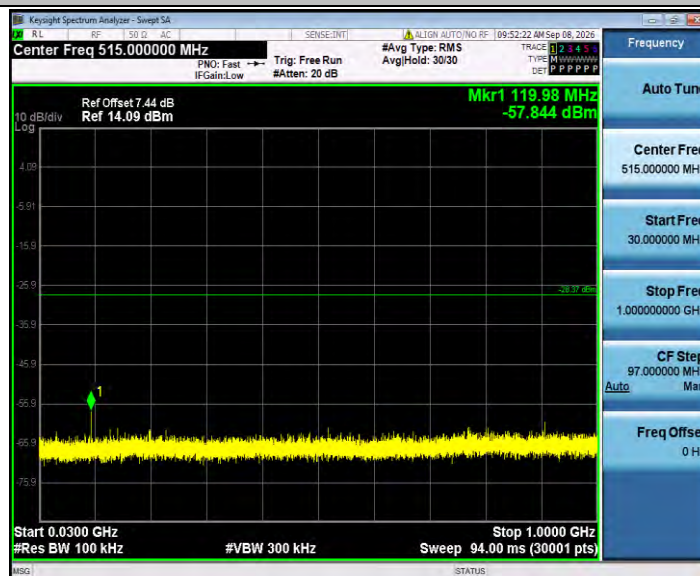
11AX40SISO_Ant0_2422_1000~26500



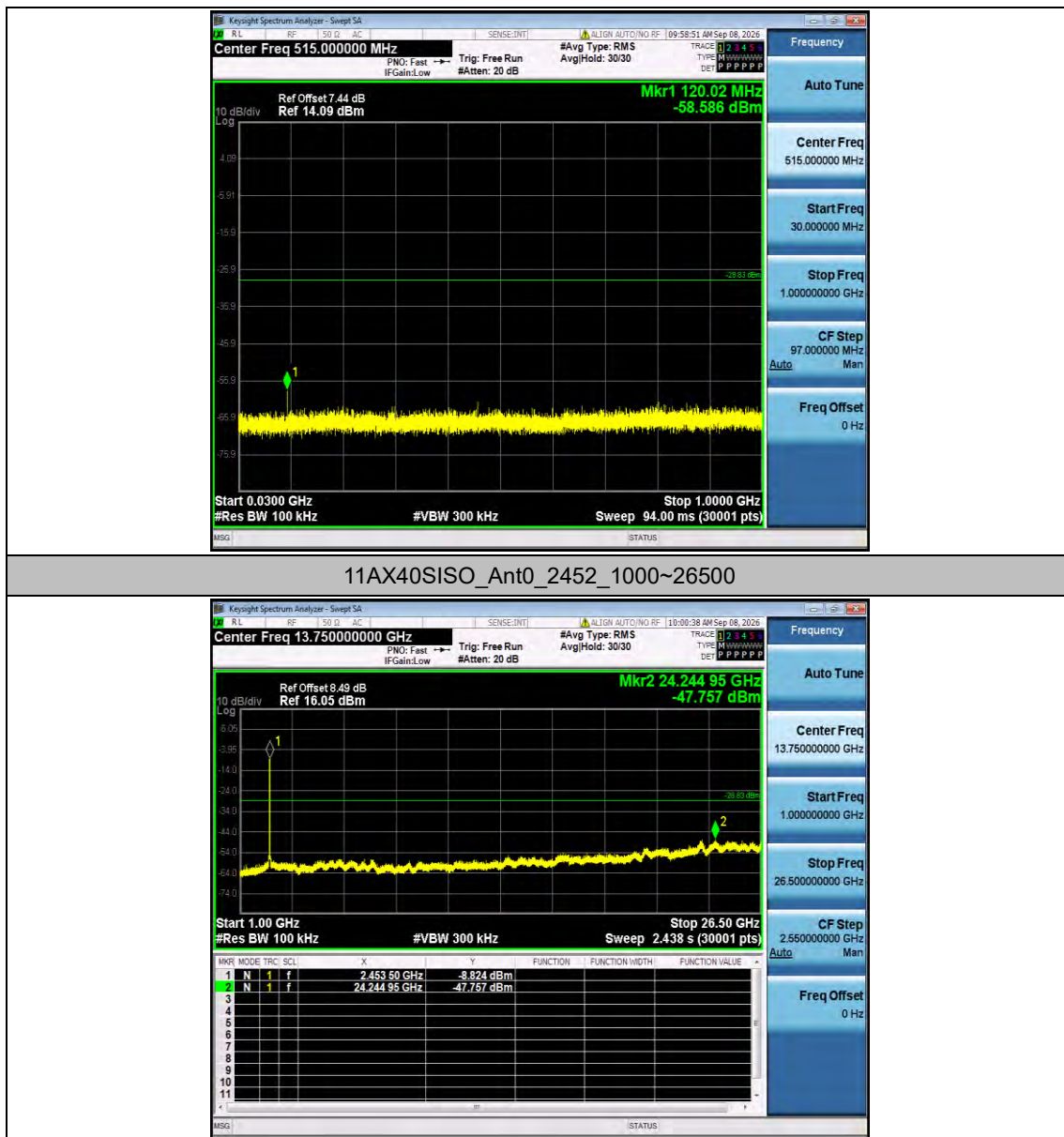
11AX40SISO_Ant0_2437_0~Reference



11AX40SISO_Ant0_2437_30~1000







AppendixC.7: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant0	2412	8.19	10.70	76.54	1.16	0.12
		2437	8.19	10.69	76.61	1.16	0.12
		2462	8.19	10.70	76.54	1.16	0.12
11G	Ant0	2412	100.00	100.00	100.00	0.00	0.01
		2437	100.00	100.00	100.00	0.00	0.01
		2462	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant0	2412	100.00	100.00	100.00	0.00	0.01
		2437	100.00	100.00	100.00	0.00	0.01
		2462	100.00	100.00	100.00	0.00	0.01
11N40SISO	Ant0	2422	1.76	4.27	41.22	3.85	0.57
		2437	1.76	4.26	41.31	3.84	0.57
		2452	1.76	4.27	41.22	3.85	0.57
11AX20SISO	Ant0	2412	10.83	13.33	81.25	0.90	0.09
		2437	10.83	13.34	81.18	0.91	0.09
		2462	10.83	13.34	81.18	0.91	0.09
11AX40SISO	Ant0	2422	19.37	21.88	88.53	0.53	0.05
		2437	19.37	21.87	88.57	0.53	0.05
		2452	19.37	21.87	88.57	0.53	0.05

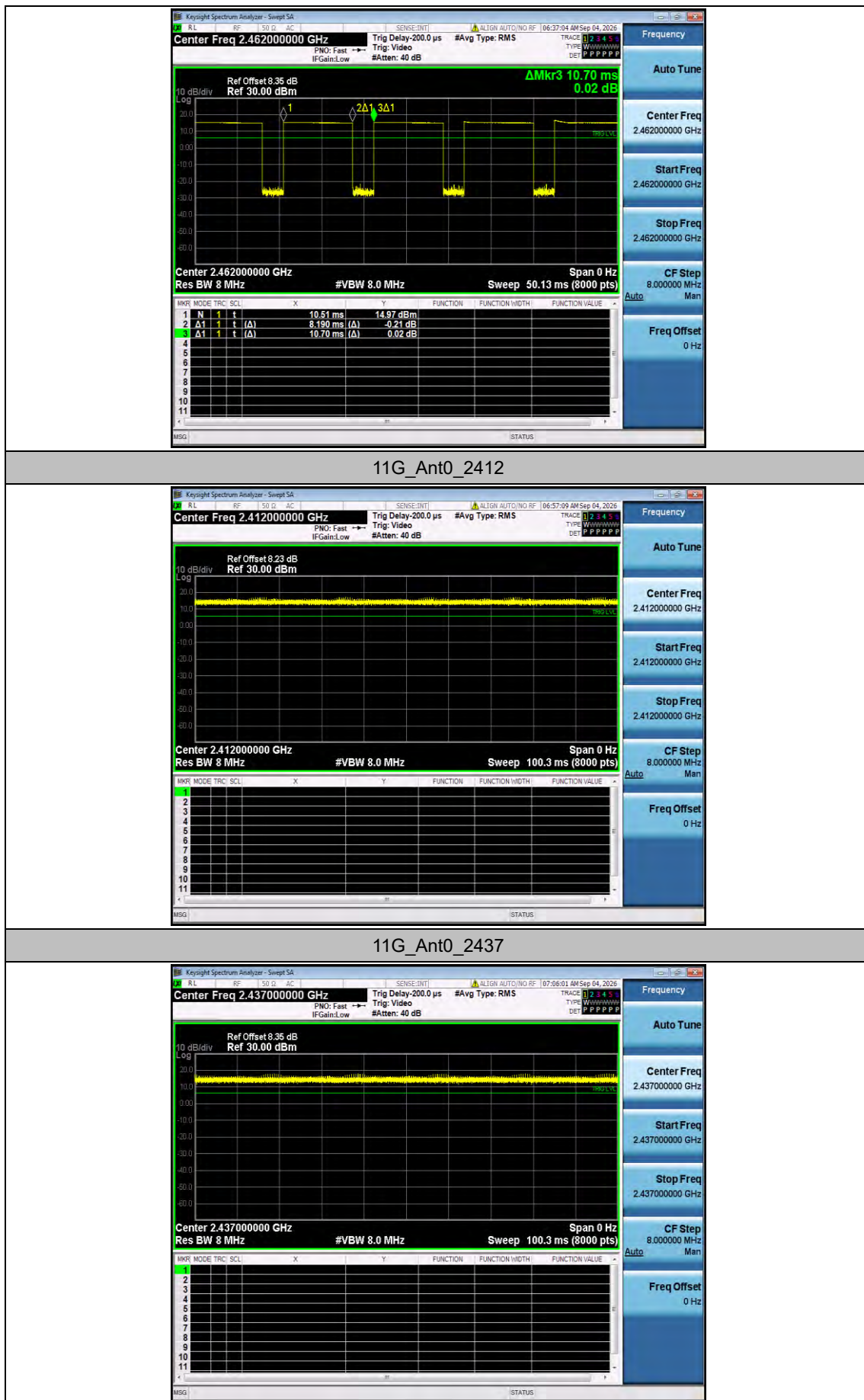
Test Graphs

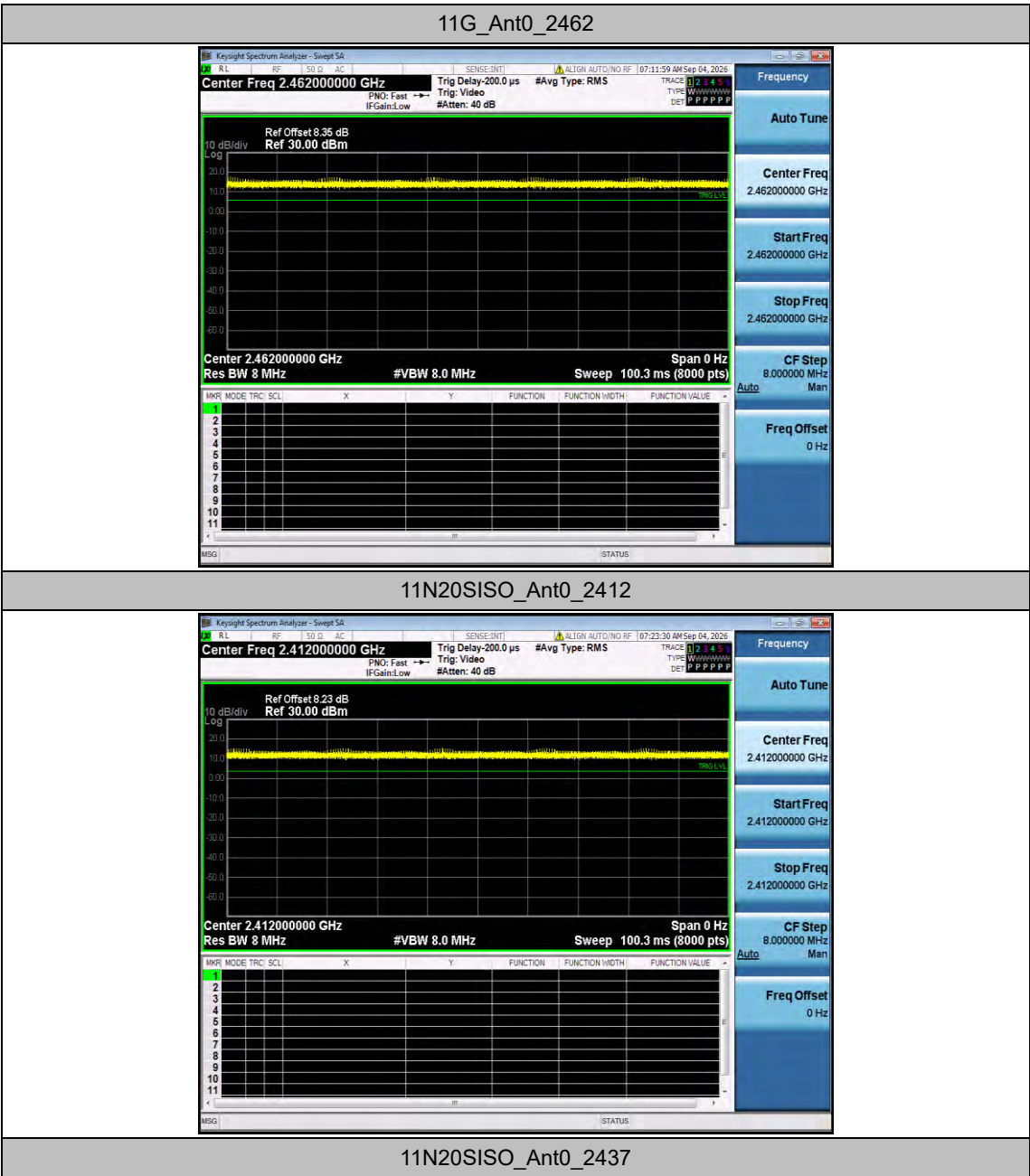


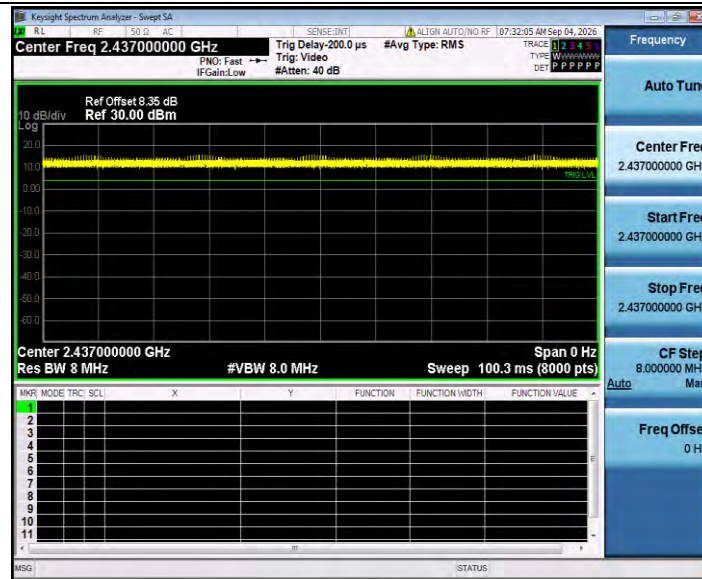
11B_Ant0_2437

Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

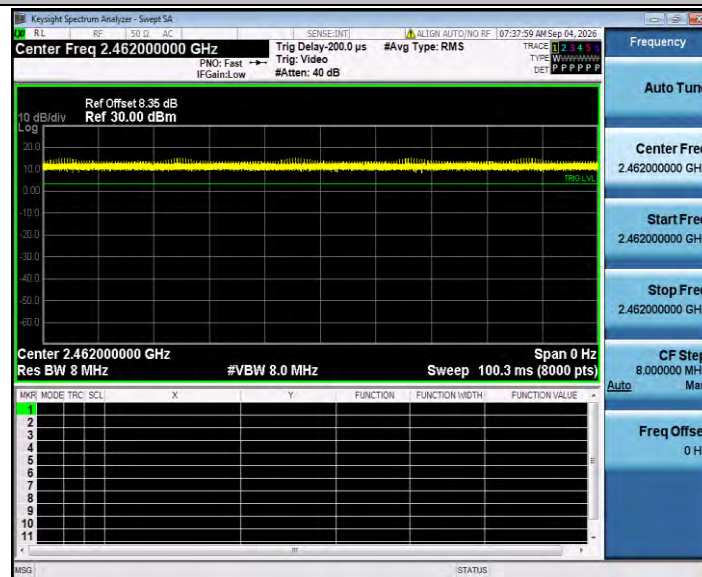
11B_Ant0_2462



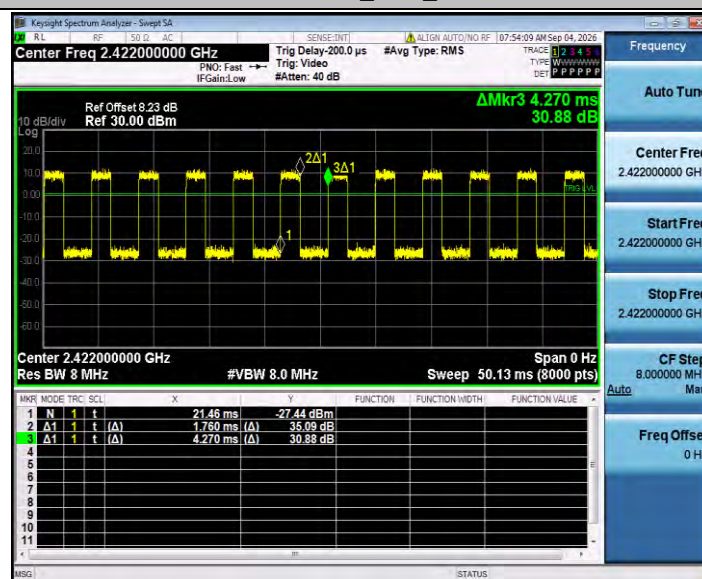




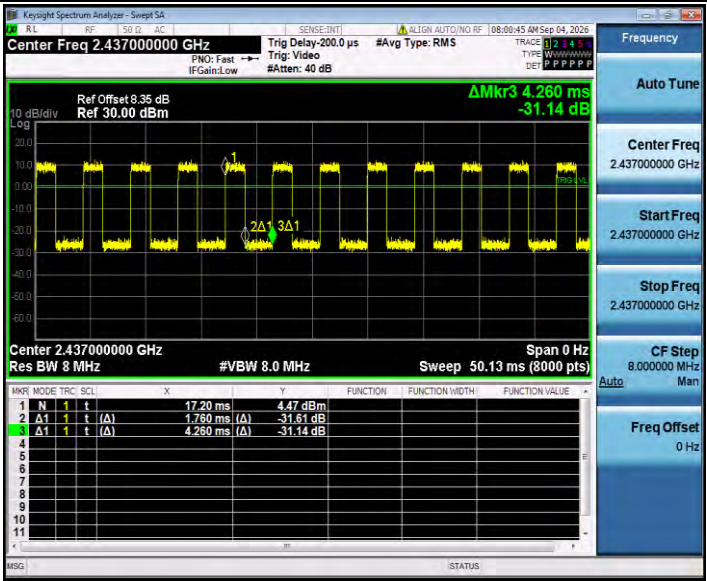
11N20SISO_Ant0_2462



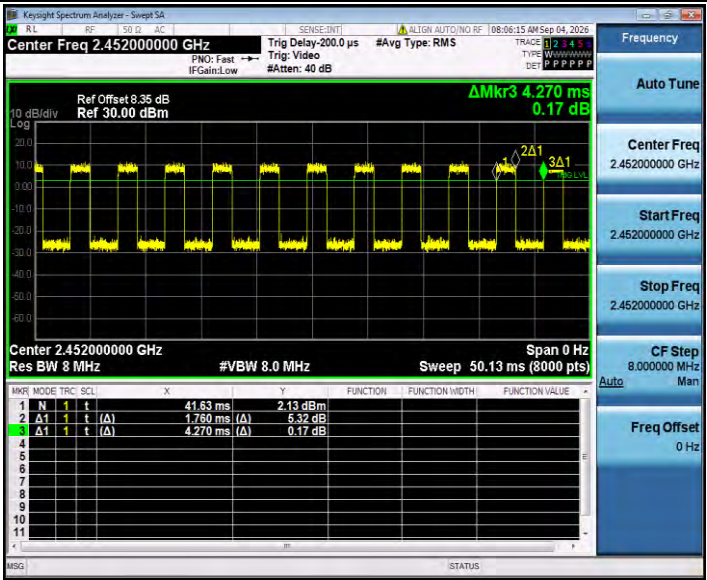
11N40SISO_Ant0_2422



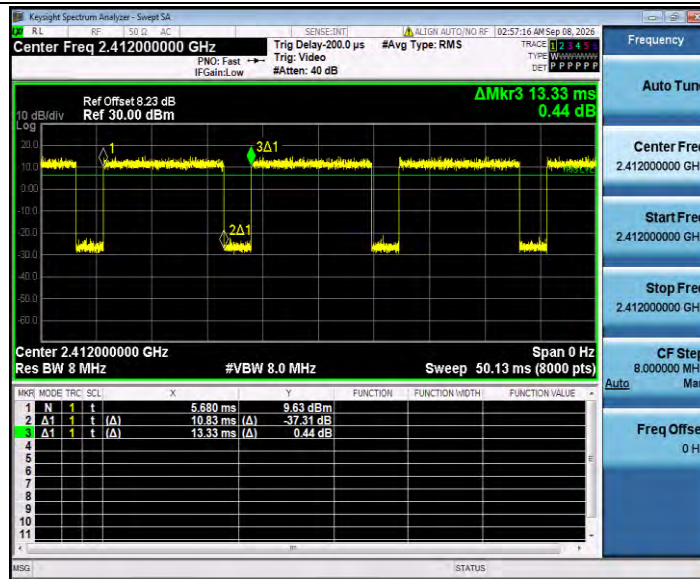
11N40SISO_Ant0_2437



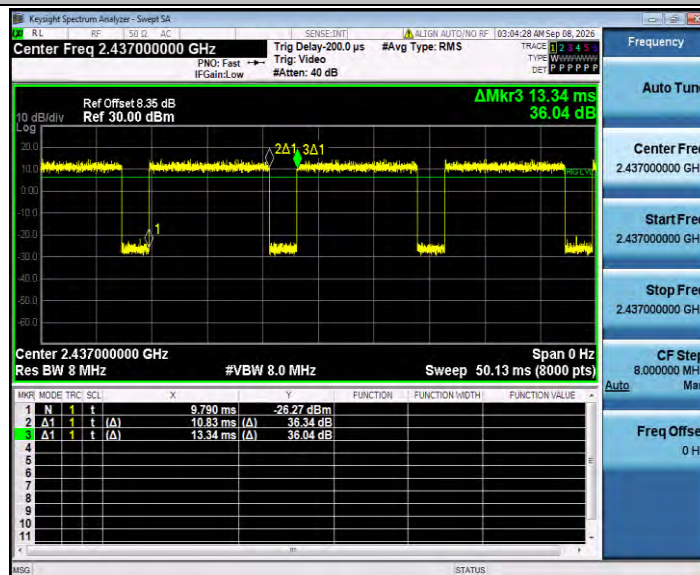
11N40SISO_Ant0_2452



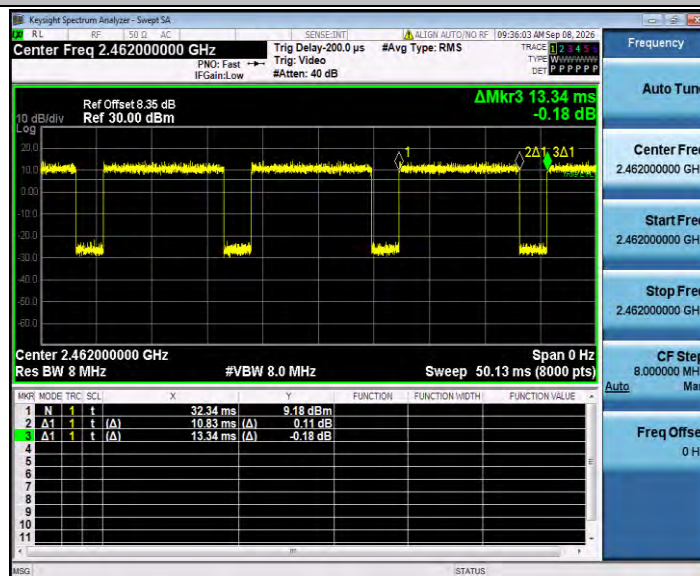
11AX20SISO_Ant0_2412

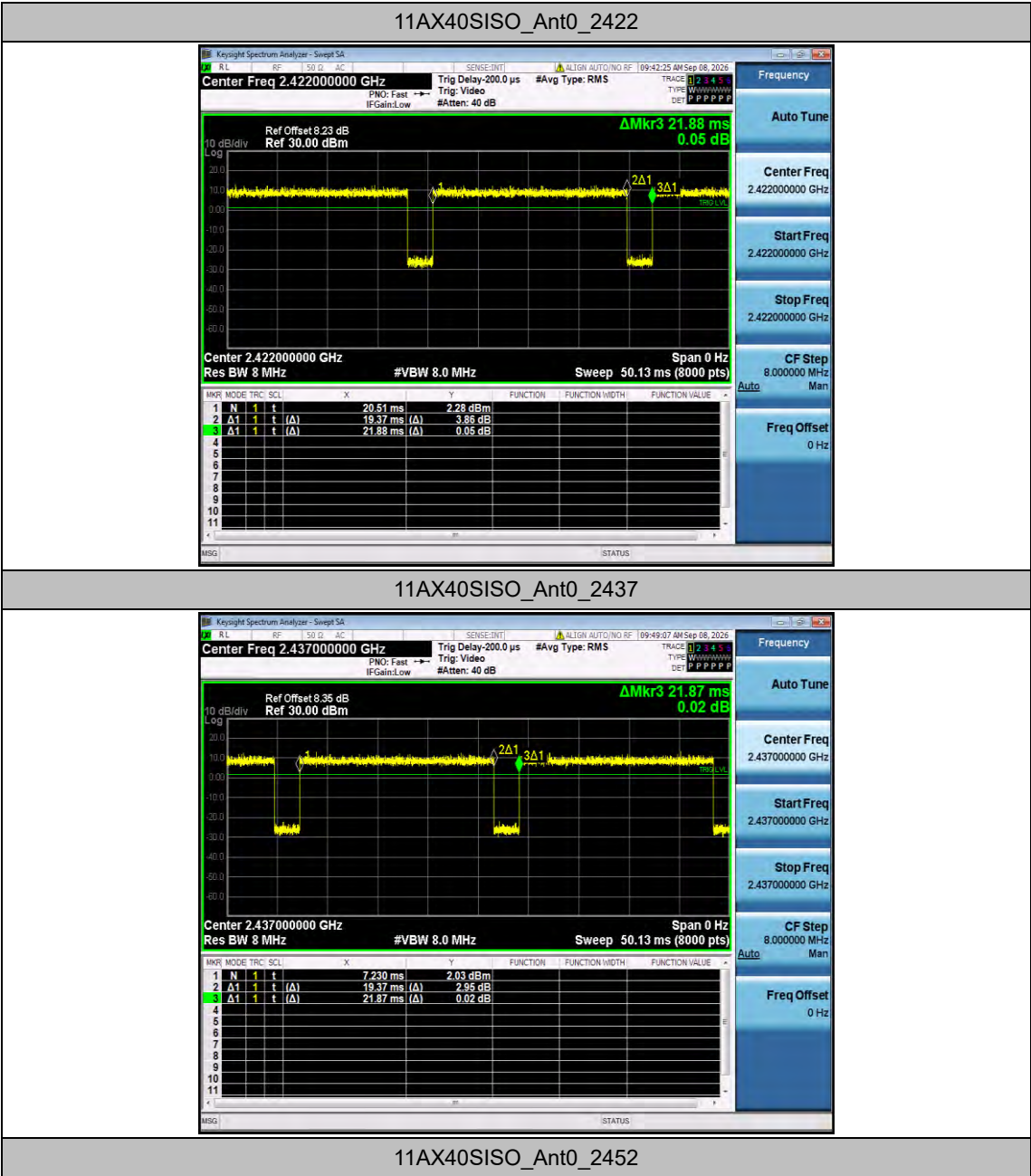


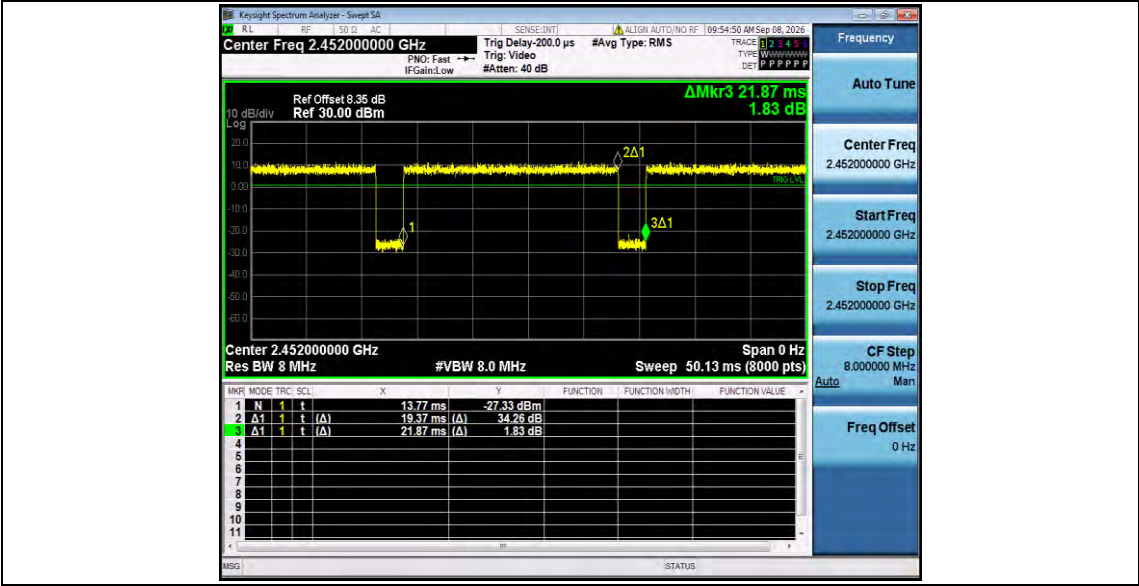
11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462







Appendix C.8: Emissions in Restricted Bands

Test Result

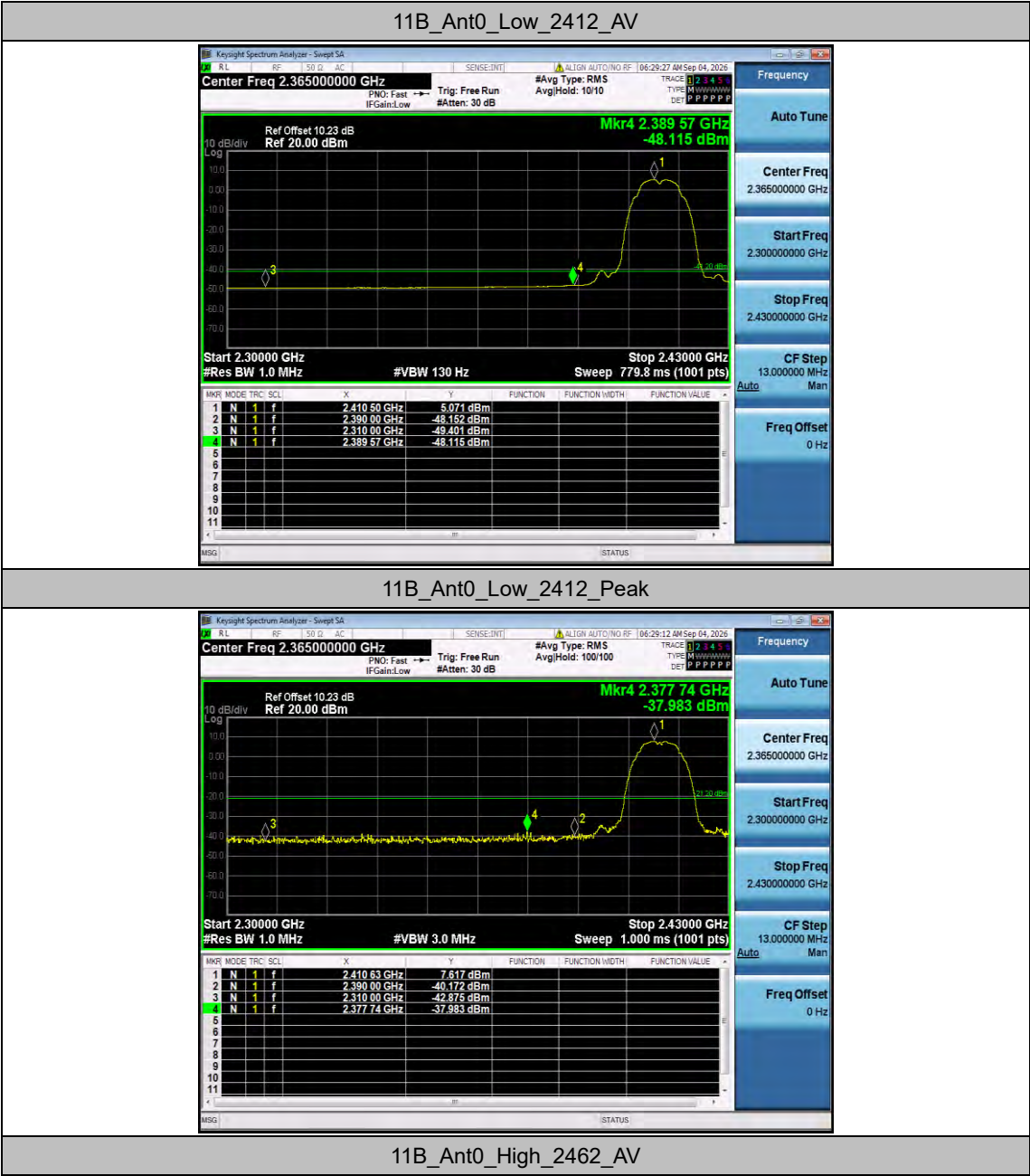
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant0	Low	2412	AV	2310.000	-49.4	≤-41.20	45.80	≤54	PASS
				AV	2389.570	-48.11	≤-41.20	47.09	≤54	PASS
				AV	2390.000	-48.15	≤-41.20	47.05	≤54	PASS
				Peak	2310.000	-42.88	≤-21.20	52.32	≤74	PASS
				Peak	2377.740	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	2390.000	-40.17	≤-21.20	55.03	≤74	PASS
		High	2462	AV	2483.500	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2484.110	-47.78	≤-41.20	47.42	≤54	PASS
				AV	2500.000	-48.42	≤-41.20	46.78	≤54	PASS
				Peak	2483.500	-40.3	≤-21.20	54.90	≤74	PASS
				Peak	2491.370	-37.96	≤-21.20	57.24	≤74	PASS
				Peak	2500.000	-41.03	≤-21.20	54.17	≤74	PASS
11G	Ant0	Low	2412	AV	2310.000	-49.8	≤-41.20	45.40	≤54	PASS
				AV	2389.960	-48.65	≤-41.20	46.55	≤54	PASS
				AV	2390.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2310.000	-41.89	≤-21.20	53.31	≤74	PASS
				Peak	2388.530	-39.68	≤-21.20	55.52	≤74	PASS
				Peak	2390.000	-40.29	≤-21.20	54.91	≤74	PASS
		High	2462	AV	2483.500	-48.29	≤-41.20	46.91	≤54	PASS
				AV	2483.560	-48.33	≤-41.20	46.87	≤54	PASS
				AV	2500.000	-48.76	≤-41.20	46.44	≤54	PASS
				Peak	2483.500	-40.18	≤-21.20	55.02	≤74	PASS
				Peak	2483.560	-39	≤-21.20	56.20	≤74	PASS
				Peak	2500.000	-41.11	≤-21.20	54.09	≤74	PASS
11N20SIS O	Ant0	Low	2412	AV	2310.000	-50.06	≤-41.20	45.14	≤54	PASS
				AV	2389.830	-49.39	≤-41.20	45.81	≤54	PASS
				AV	2390.000	-49.4	≤-41.20	45.80	≤54	PASS
				Peak	2310.000	-42.81	≤-21.20	52.39	≤74	PASS
				Peak	2377.870	-39.9	≤-21.20	55.30	≤74	PASS
				Peak	2390.000	-42.05	≤-21.20	53.15	≤74	PASS
		High	2462	AV	2483.500	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2483.560	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2500.000	-49.03	≤-41.20	46.17	≤54	PASS
				Peak	2483.500	-40.64	≤-21.20	54.56	≤74	PASS
				Peak	2493.130	-39.13	≤-21.20	56.07	≤74	PASS
				Peak	2500.000	-42.17	≤-21.20	53.03	≤74	PASS

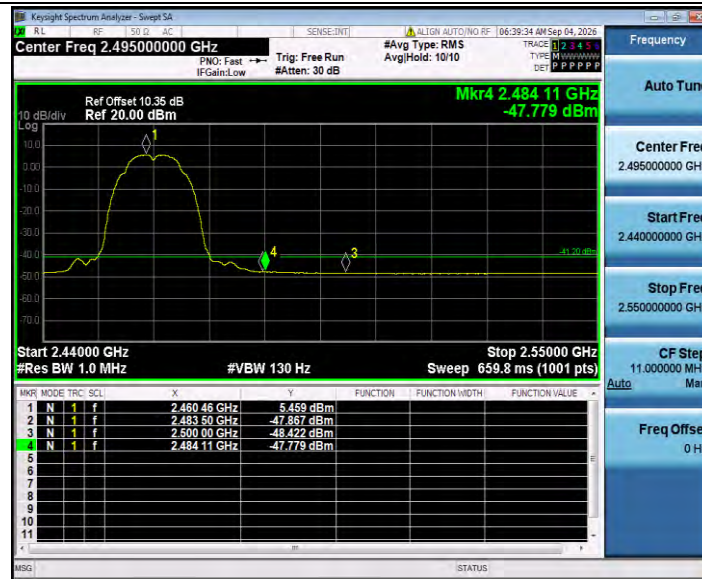
11N40SISO	Ant0	Low	2422	AV	2310.000	-49.6	≤ -41.20	45.60	≤ 54	PASS
				AV	2387.150	-48.72	≤ -41.20	46.48	≤ 54	PASS
				AV	2390.000	-48.95	≤ -41.20	46.25	≤ 54	PASS
				Peak	2310.000	-41.75	≤ -21.20	53.45	≤ 74	PASS
				Peak	2367.500	-39.82	≤ -21.20	55.38	≤ 74	PASS
				Peak	2390.000	-42.22	≤ -21.20	52.98	≤ 74	PASS
		High	2452	AV	2483.500	-47.68	≤ -41.20	47.52	≤ 54	PASS
				AV	2483.750	-47.65	≤ -41.20	47.55	≤ 54	PASS
				AV	2500.000	-48.81	≤ -41.20	46.39	≤ 54	PASS
				Peak	2483.500	-41.06	≤ -21.20	54.14	≤ 74	PASS
				Peak	2499.875	-38.15	≤ -21.20	57.05	≤ 74	PASS
				Peak	2500.000	-39.92	≤ -21.20	55.28	≤ 74	PASS
11AX20SISO	Ant0	Low	2412	AV	2310.000	-49.53	≤ -41.20	45.67	≤ 54	PASS
				AV	2387.620	-48.81	≤ -41.20	46.39	≤ 54	PASS
				AV	2390.000	-48.84	≤ -41.20	46.36	≤ 54	PASS
				Peak	2310.000	-42.33	≤ -21.20	52.87	≤ 74	PASS
				Peak	2311.050	-38.6	≤ -21.20	56.60	≤ 74	PASS
				Peak	2390.000	-40.86	≤ -21.20	54.34	≤ 74	PASS
		High	2462	AV	2483.500	-48.58	≤ -41.20	46.62	≤ 54	PASS
				AV	2483.780	-48.52	≤ -41.20	46.68	≤ 54	PASS
				AV	2500.000	-48.77	≤ -41.20	46.43	≤ 54	PASS
				Peak	2483.500	-42.56	≤ -21.20	52.64	≤ 74	PASS
				Peak	2489.280	-38.72	≤ -21.20	56.48	≤ 74	PASS
				Peak	2500.000	-41.42	≤ -21.20	53.78	≤ 74	PASS
11AX40SISO	Ant0	Low	2422	AV	2310.000	-49.66	≤ -41.20	45.54	≤ 54	PASS
				AV	2389.850	-48.83	≤ -41.20	46.37	≤ 54	PASS
				AV	2390.000	-48.81	≤ -41.20	46.39	≤ 54	PASS
				Peak	2310.000	-43.26	≤ -21.20	51.94	≤ 74	PASS
				Peak	2330.300	-38.75	≤ -21.20	56.45	≤ 74	PASS
				Peak	2390.000	-39.12	≤ -21.20	56.08	≤ 74	PASS
		High	2452	AV	2483.500	-48	≤ -41.20	47.20	≤ 54	PASS
				AV	2483.625	-48.02	≤ -41.20	47.18	≤ 54	PASS
				AV	2500.000	-48.8	≤ -41.20	46.40	≤ 54	PASS
				Peak	2483.500	-40.02	≤ -21.20	55.18	≤ 74	PASS
				Peak	2496.625	-38.19	≤ -21.20	57.01	≤ 74	PASS
				Peak	2500.000	-41.33	≤ -21.20	53.87	≤ 74	PASS

Note:

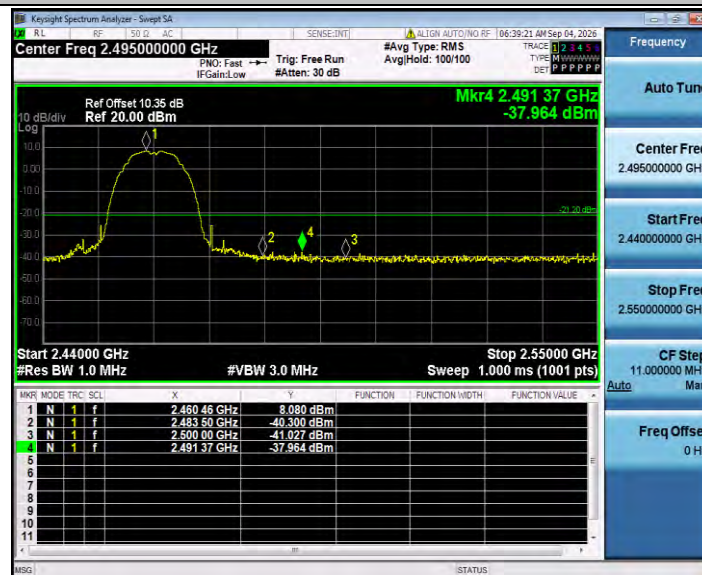
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

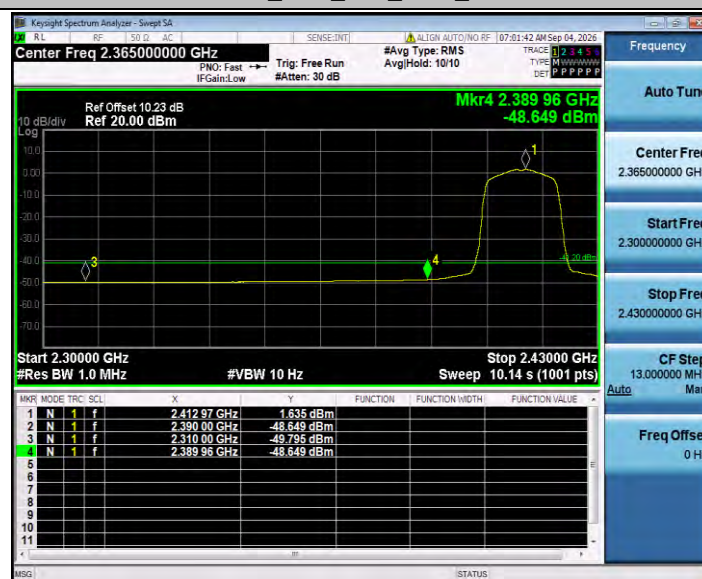




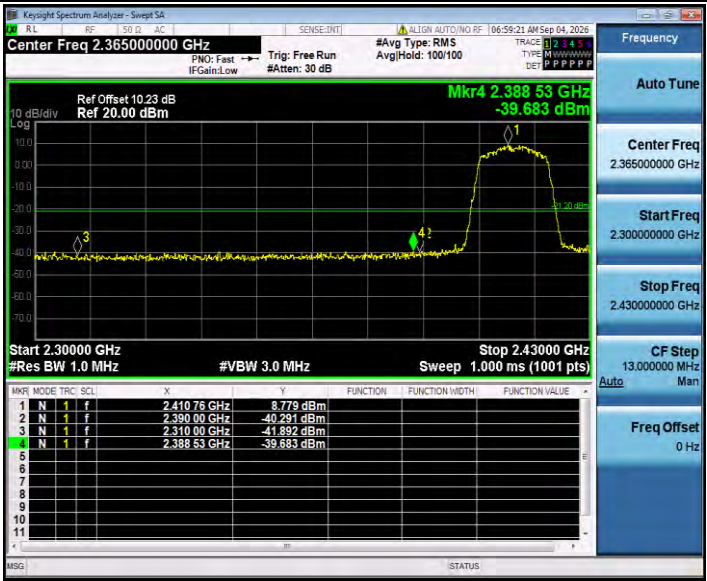
11B_Ant0_High_2462_Peak



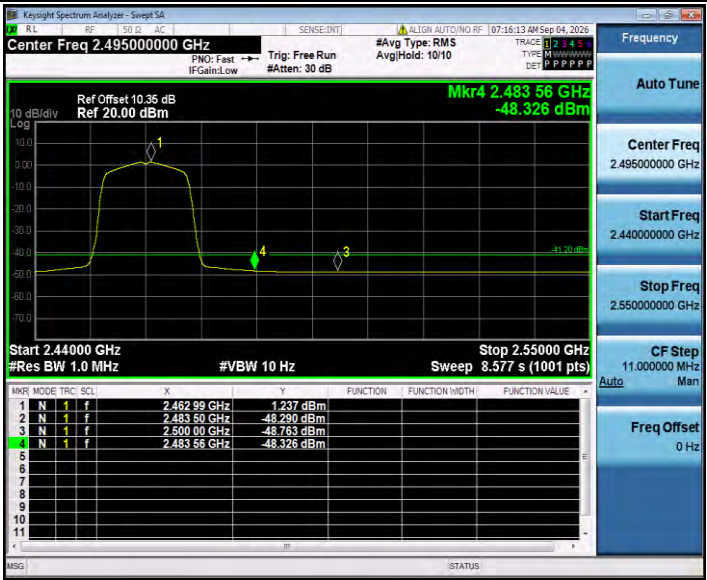
11G_Ant0_Low_2412_AV



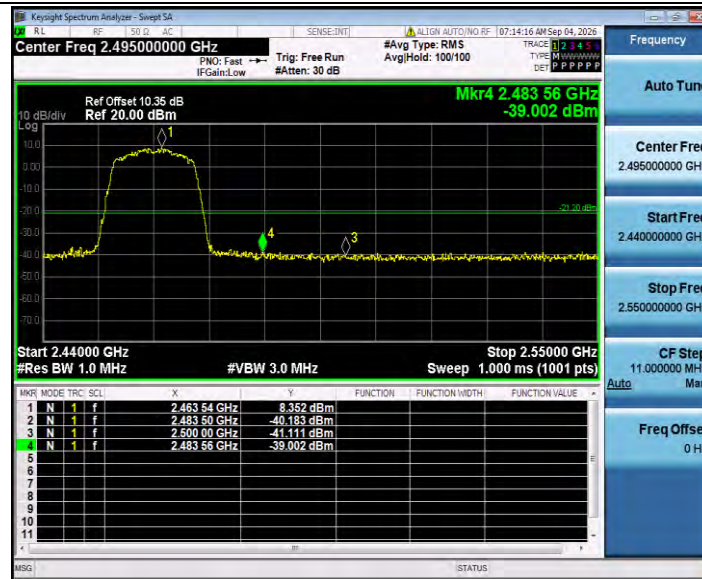
11G_Ant0_Low_2412_Peak



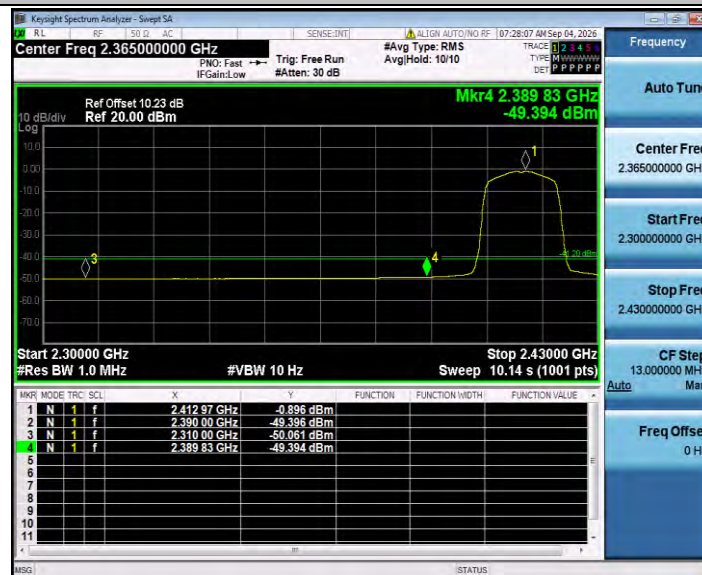
11G_Ant0_High_2462_AV



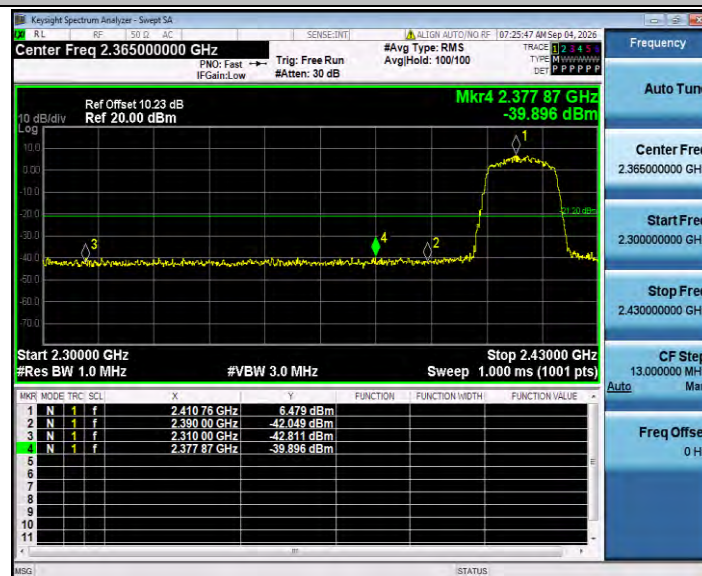
11G_Ant0_High_2462_Peak



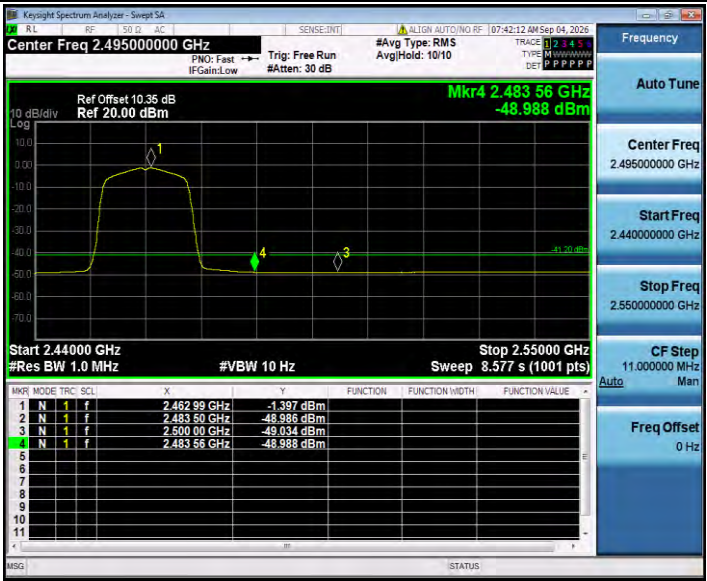
11N20SISO_Ant0_Low_2412_AV



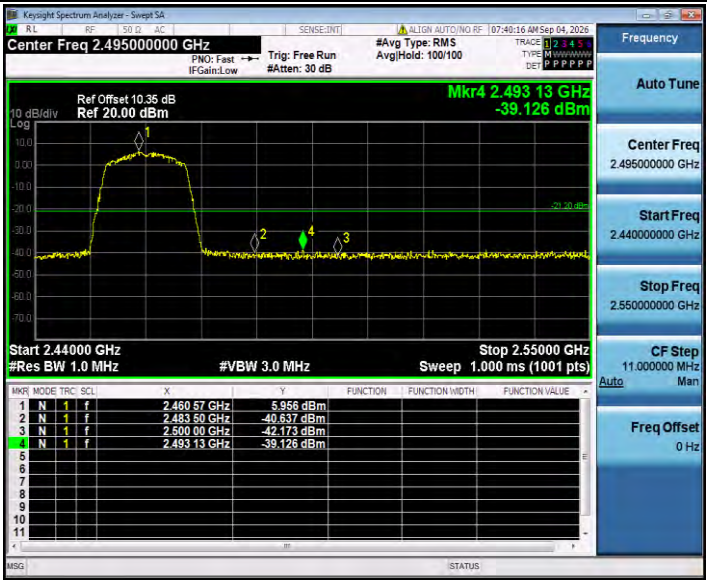
11N20SISO_Ant0_Low_2412_Peak



11N20SISO_Ant0_High_2462_AV



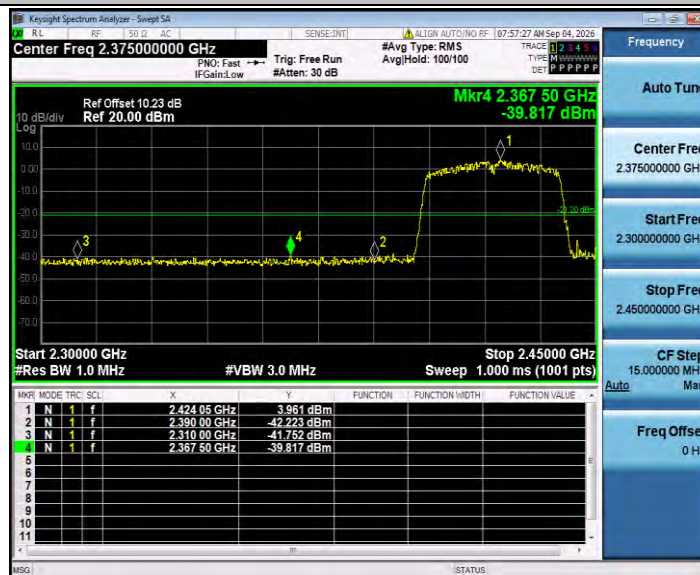
11N20SISO_Ant0_High_2462_Peak



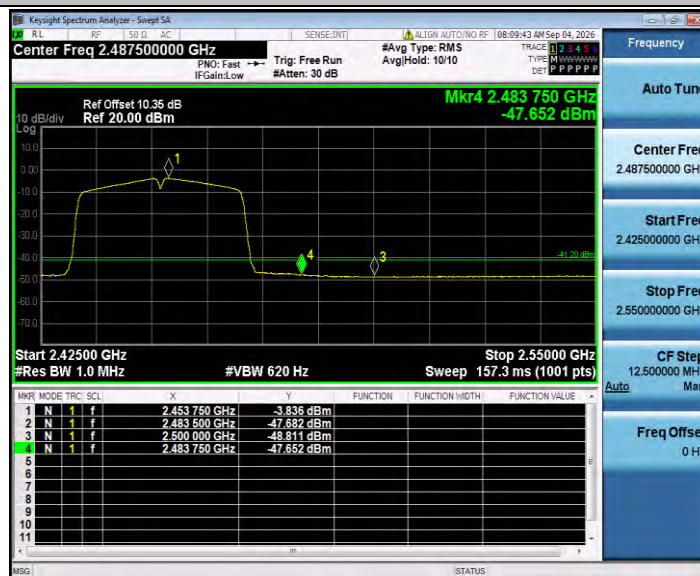
11N40SISO_Ant0_Low_2422_AV



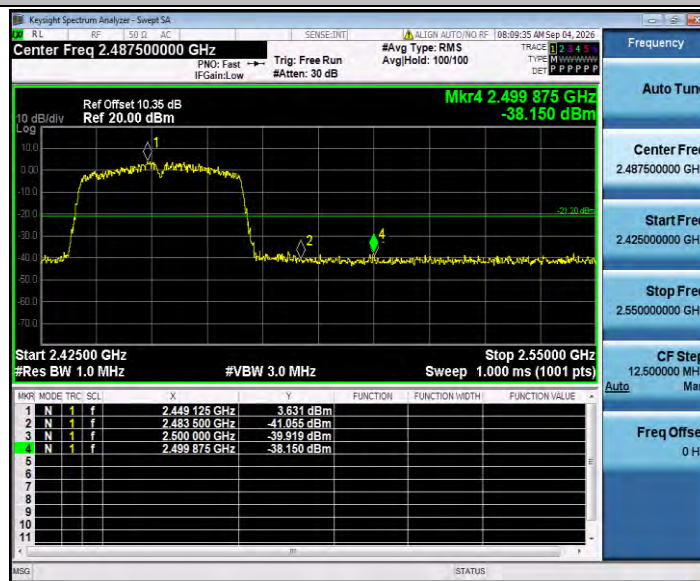
11N40SISO_Ant0_Low_2422_Peak



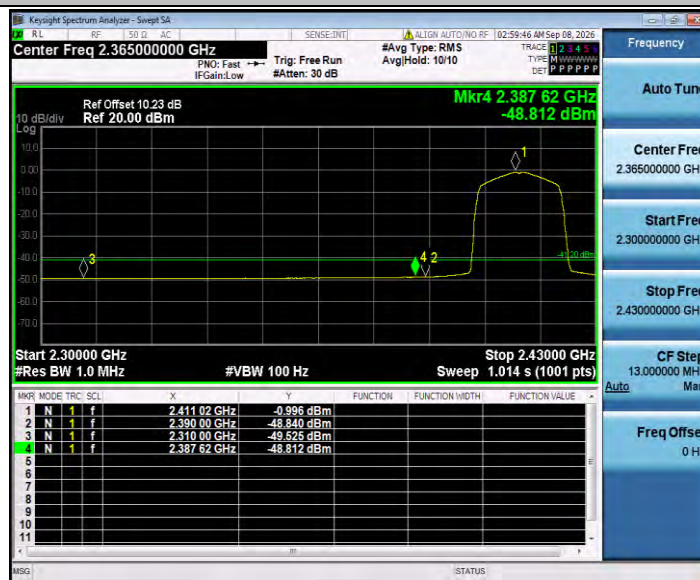
11N40SISO_Ant0_High_2452_AV



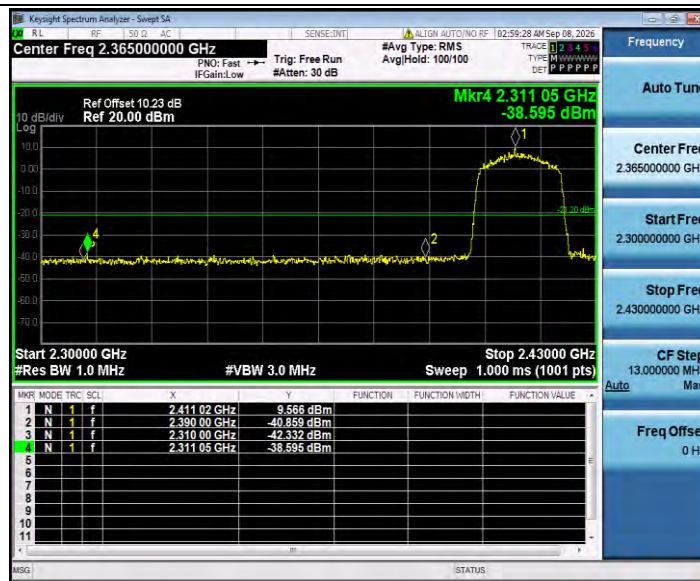
11N40SISO_Ant0_High_2452_Peak



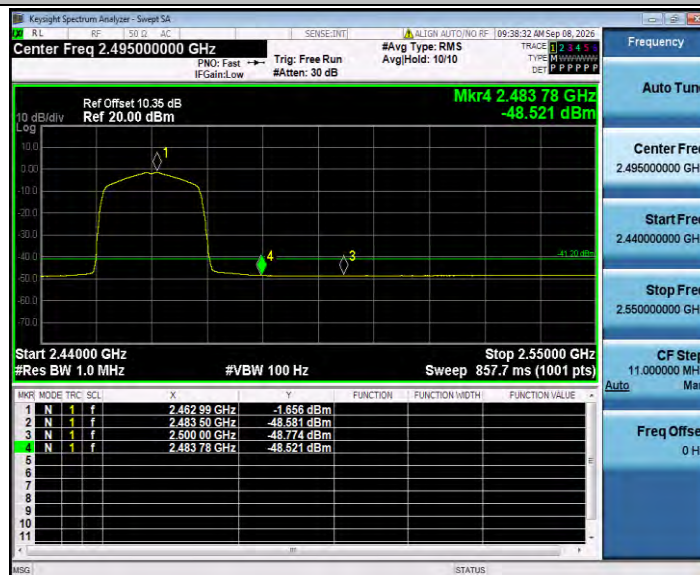
11AX20SISO_Ant0_Low_2412_AV



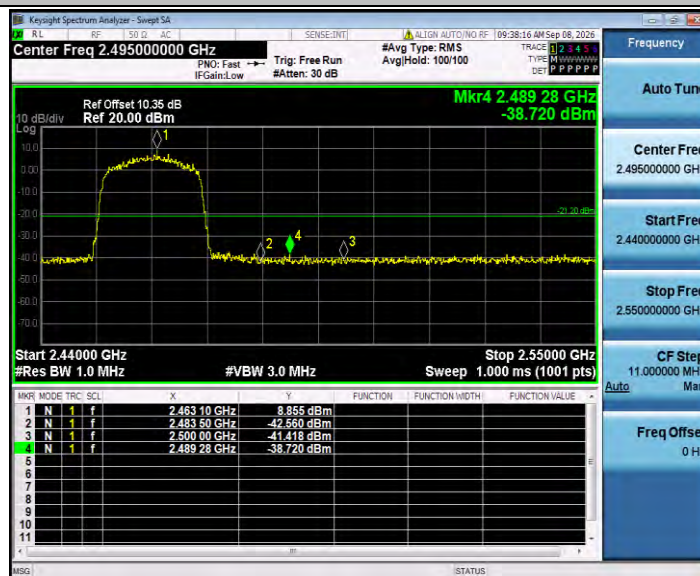
11AX20SISO_Ant0_Low_2412_Peak



11AX20SISO_Ant0_High_2462_AV



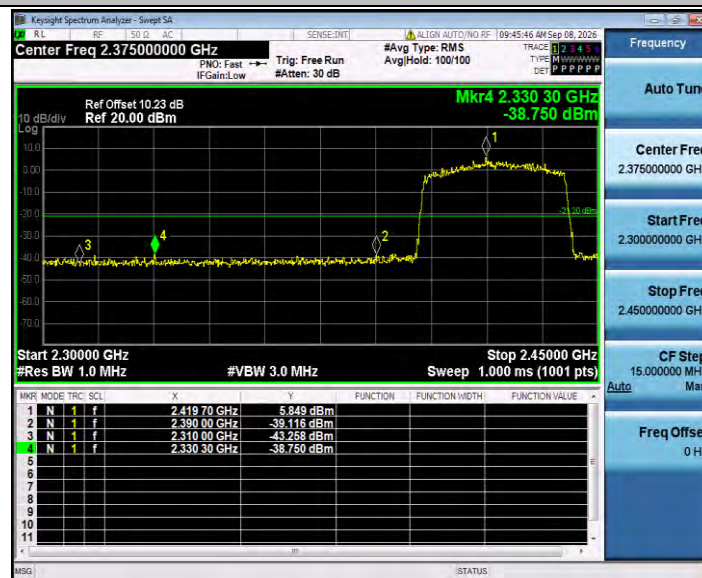
11AX20SISO_Ant0_High_2462_Peak



11AX40SISO_Ant0_Low_2422_AV



11AX40SISO_Ant0_Low_2422_Peak



11AX40SISO_Ant0_High_2452_AV

