

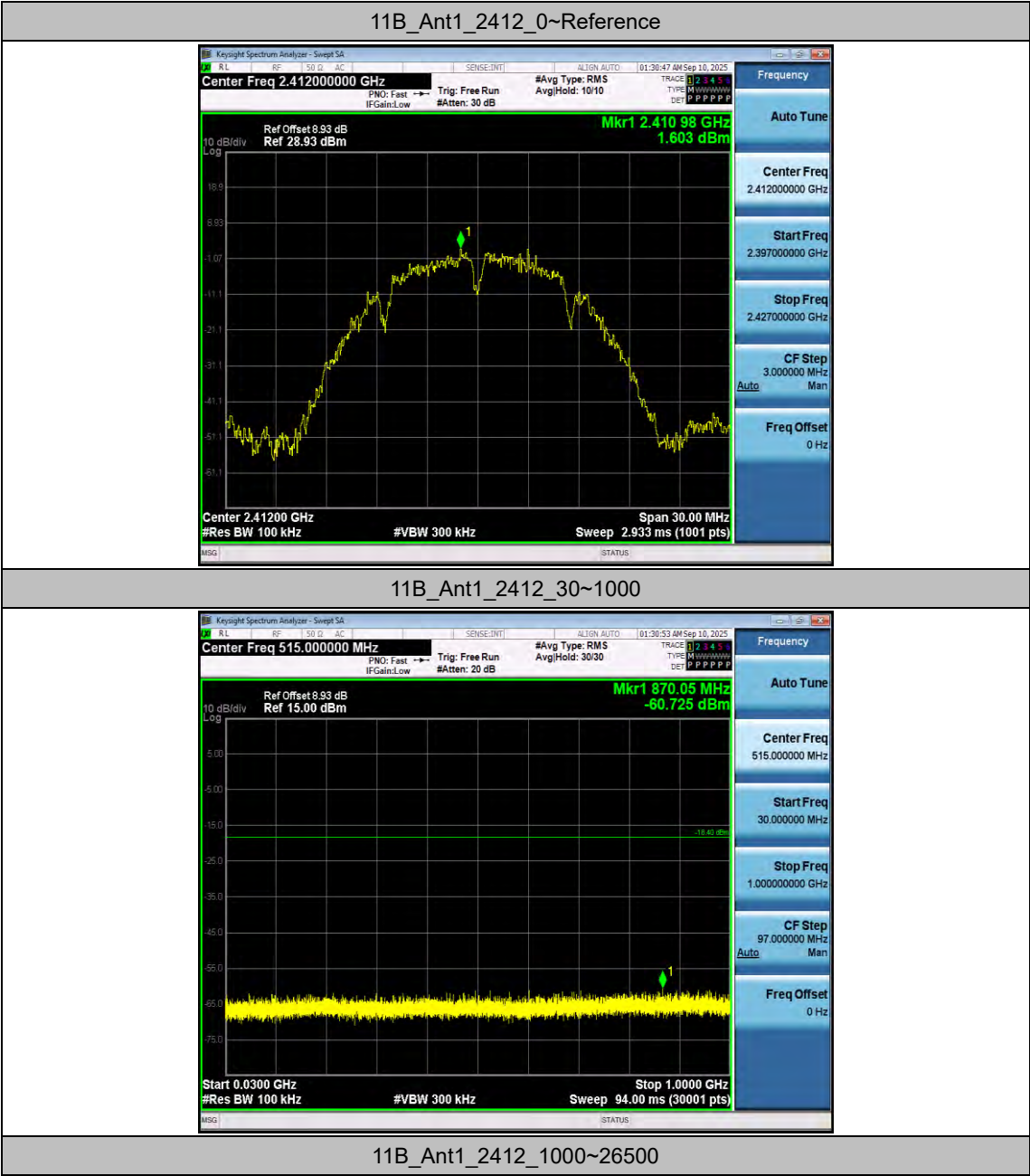
Appendix C.6: Conducted Spurious Emission

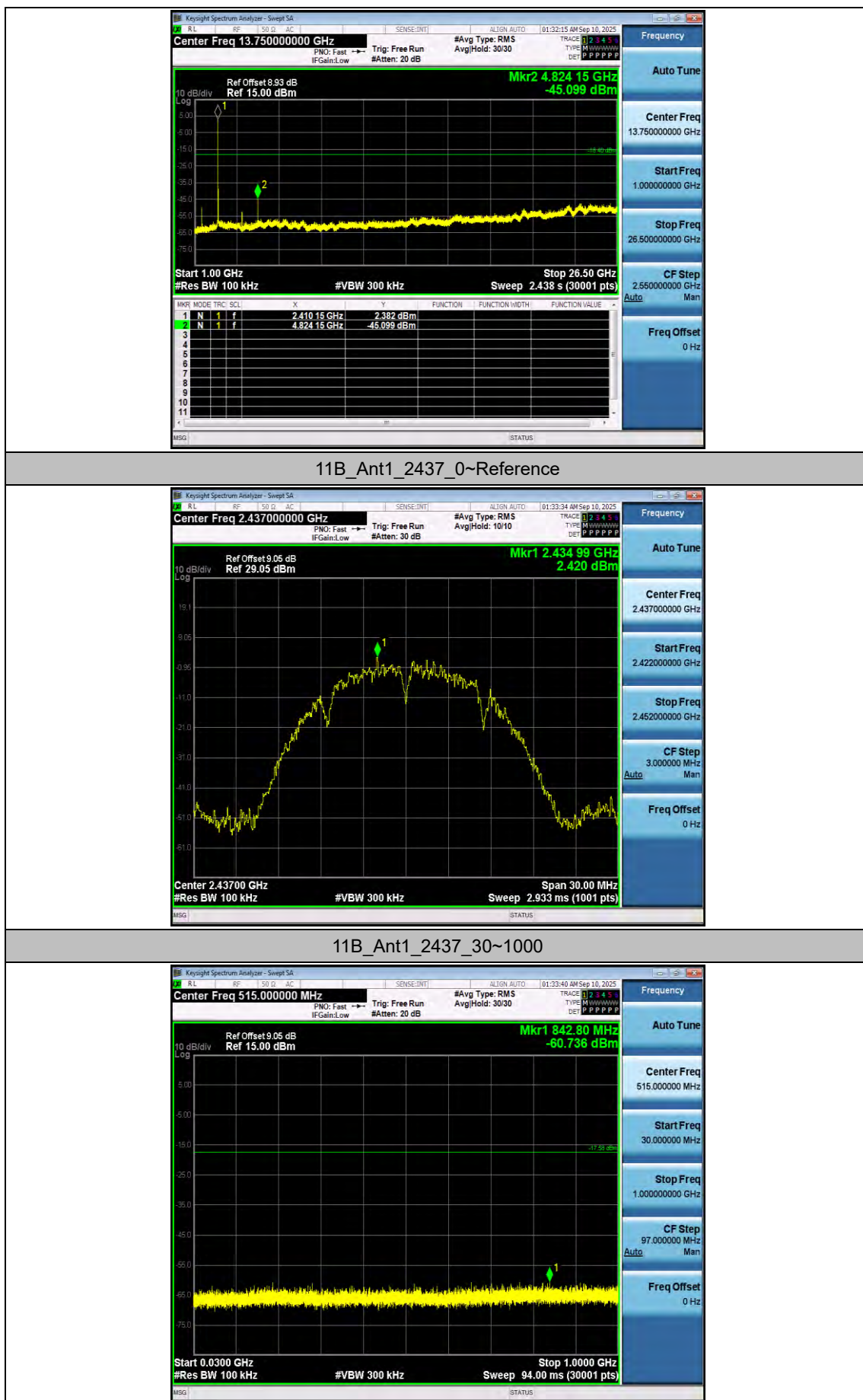
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-60.73	≤ -18.4	PASS
			1000~26500	1.60	-45.1	≤ -18.4	PASS
		2437	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-60.74	≤ -17.58	PASS
			1000~26500	2.42	-44.79	≤ -17.58	PASS
		2462	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-52.24	≤ -19.3	PASS
			1000~26500	0.70	-44.05	≤ -19.3	PASS
11G	Ant1	2412	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-60.43	≤ -24.78	PASS
			1000~26500	-4.78	-47.72	≤ -24.78	PASS
		2437	Reference	-3.17	-3.17	---	PASS
			30~1000	-3.17	-59.87	≤ -23.17	PASS
			1000~26500	-3.17	-47.43	≤ -23.17	PASS
		2462	Reference	-3.93	-3.93	---	PASS
			30~1000	-3.93	-60.44	≤ -23.93	PASS
			1000~26500	-3.93	-47.54	≤ -23.93	PASS
11N20SISO	Ant1	2412	Reference	-6.94	-6.94	---	PASS
			30~1000	-6.94	-60.68	≤ -26.94	PASS
			1000~26500	-6.94	-46.92	≤ -26.94	PASS
		2437	Reference	-5.99	-5.99	---	PASS
			30~1000	-5.99	-60.03	≤ -25.99	PASS
			1000~26500	-5.99	-47.22	≤ -25.99	PASS
		2462	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-59.71	≤ -24.07	PASS
			1000~26500	-4.07	-44.04	≤ -24.07	PASS
11N40SISO	Ant1	2422	Reference	-8.57	-8.57	---	PASS
			30~1000	-8.57	-60.68	≤ -28.57	PASS
			1000~26500	-8.57	-46.22	≤ -28.57	PASS
		2437	Reference	-8.80	-8.80	---	PASS
			30~1000	-8.80	-59.54	≤ -28.8	PASS
			1000~26500	-8.80	-46.9	≤ -28.8	PASS
		2452	Reference	-7.97	-7.97	---	PASS
			30~1000	-7.97	-59.71	≤ -27.97	PASS
			1000~26500	-7.97	-46.71	≤ -27.97	PASS

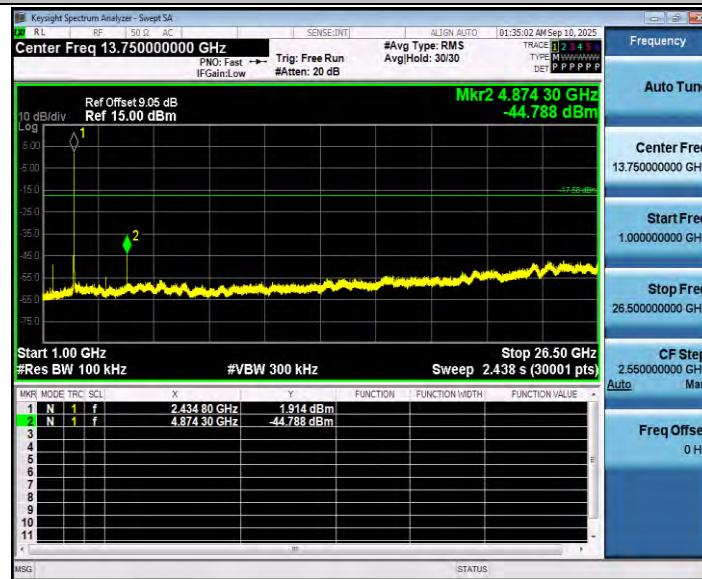
11AX20SISO	Ant1	2412	Reference	-6.32	-6.32	---	PASS
			30~1000	-6.32	-60.22	≤ -26.32	PASS
			1000~26500	-6.32	-47.49	≤ -26.32	PASS
		2437	Reference	-6.15	-6.15	---	PASS
			30~1000	-6.15	-60.24	≤ -26.15	PASS
			1000~26500	-6.15	-47.51	≤ -26.15	PASS
		2462	Reference	-6.42	-6.42	---	PASS
			30~1000	-6.42	-60.75	≤ -26.42	PASS
			1000~26500	-6.42	-47.35	≤ -26.42	PASS
11AX40SISO	Ant1	2422	Reference	-6.93	-6.93	---	PASS
			30~1000	-6.93	-60.39	≤ -26.93	PASS
			1000~26500	-6.93	-47.29	≤ -26.93	PASS
		2437	Reference	-8.42	-8.42	---	PASS
			30~1000	-8.42	-59.87	≤ -28.42	PASS
			1000~26500	-8.42	-47.58	≤ -28.42	PASS
		2452	Reference	-6.00	-6.00	---	PASS
			30~1000	-6.00	-60.77	≤ -26	PASS
			1000~26500	-6.00	-47.69	≤ -26	PASS

Test Graphs





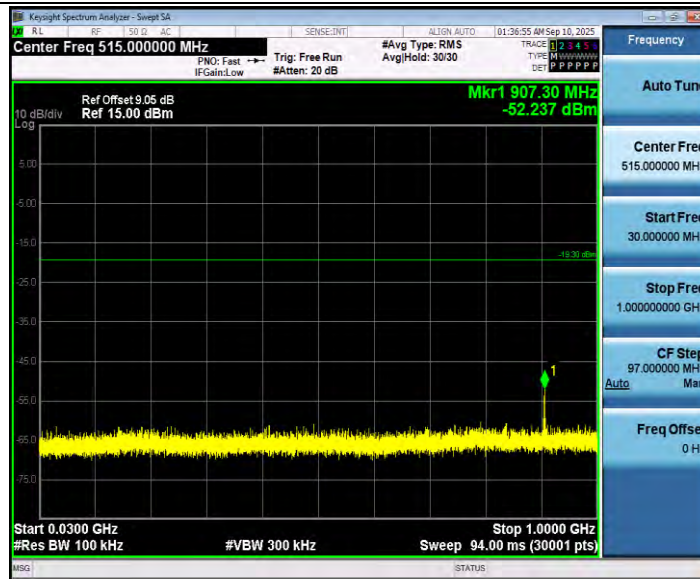
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

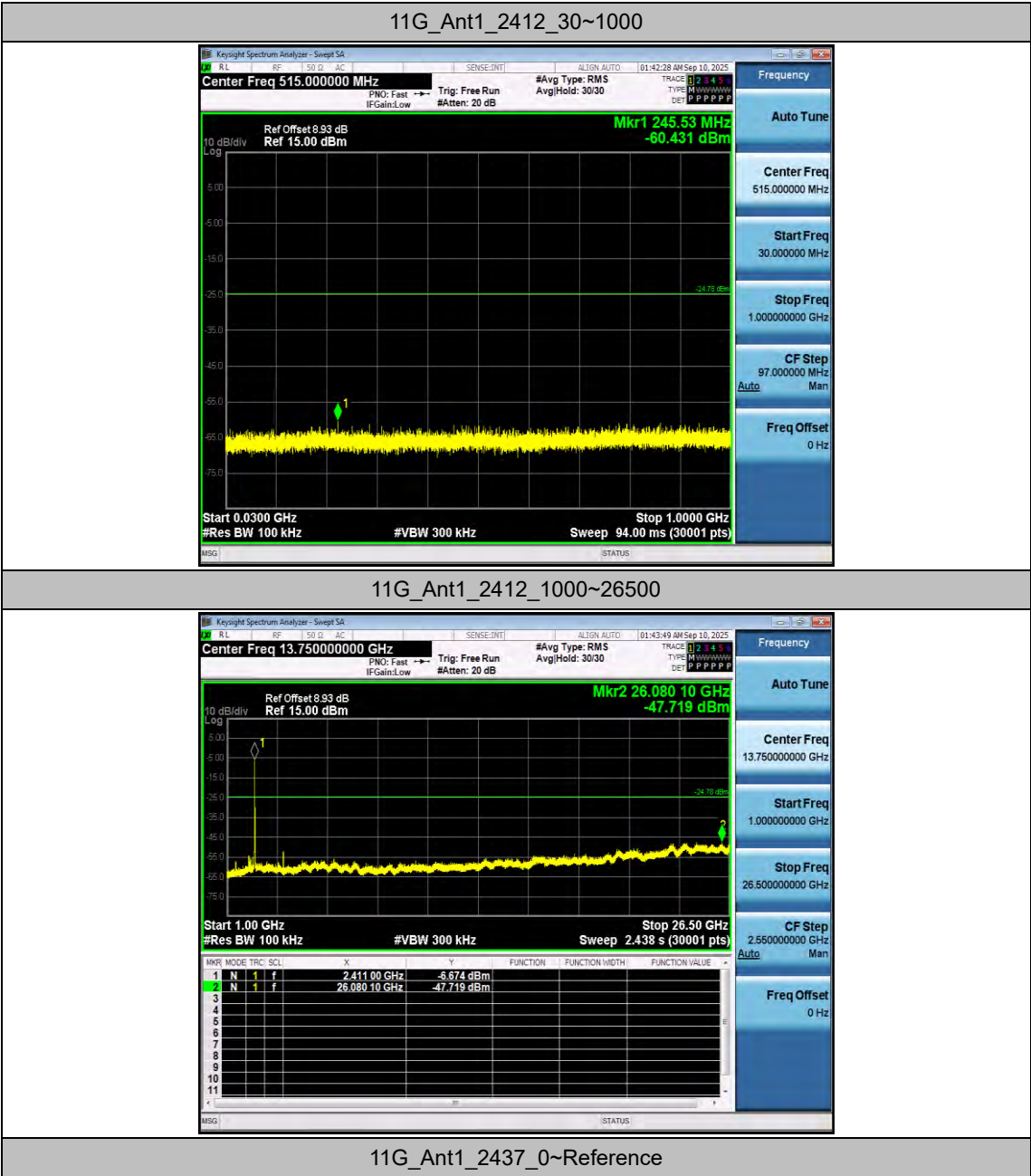


11B_Ant1_2462_1000~26500



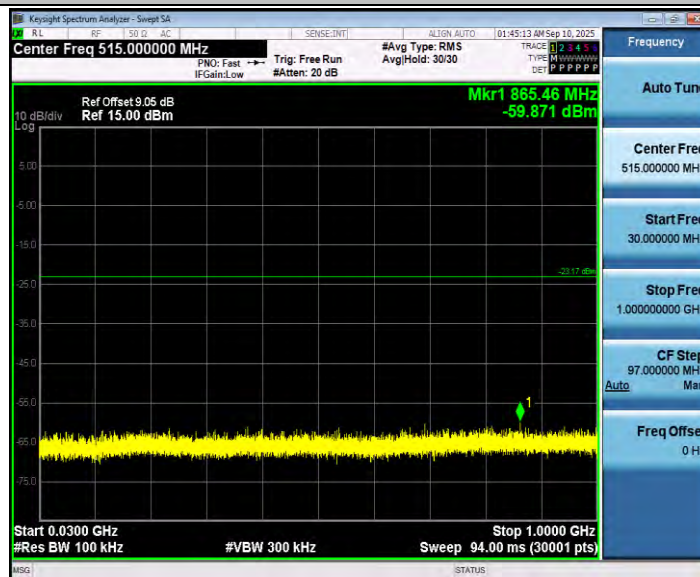
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



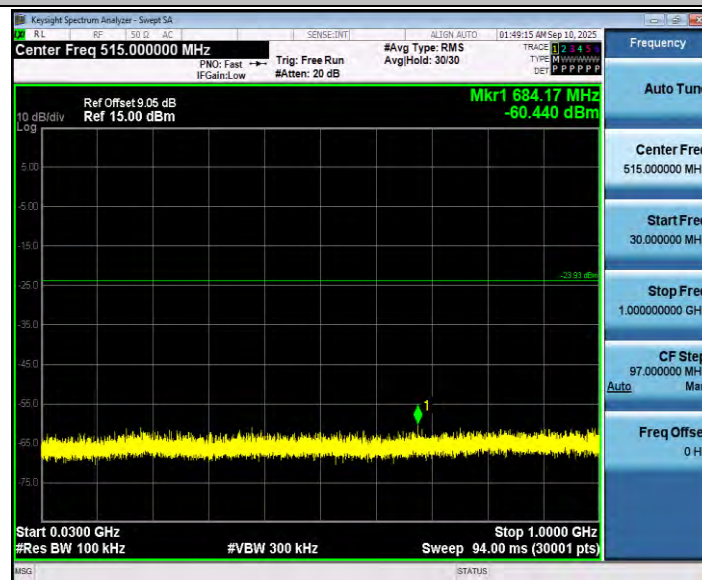
11G_Ant1_2437_1000~26500



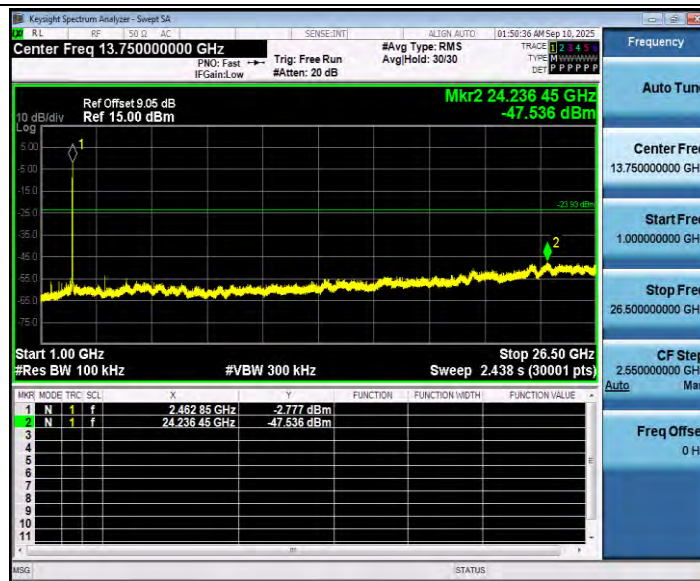
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



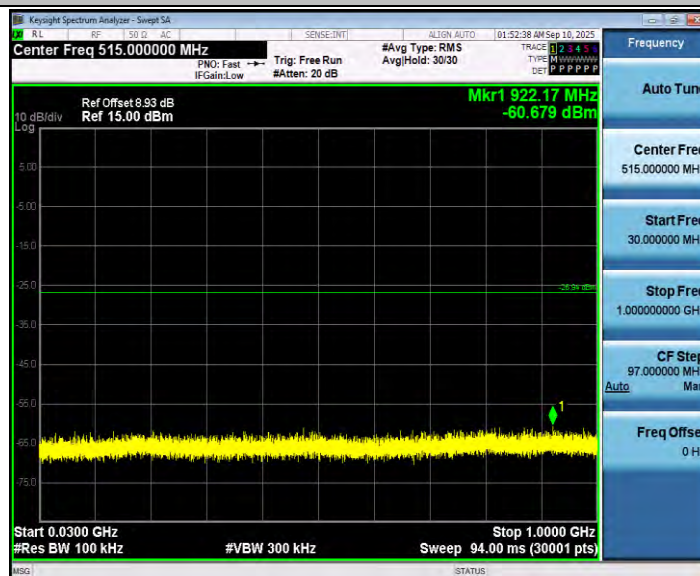
11G_Ant1_2462_1000~26500

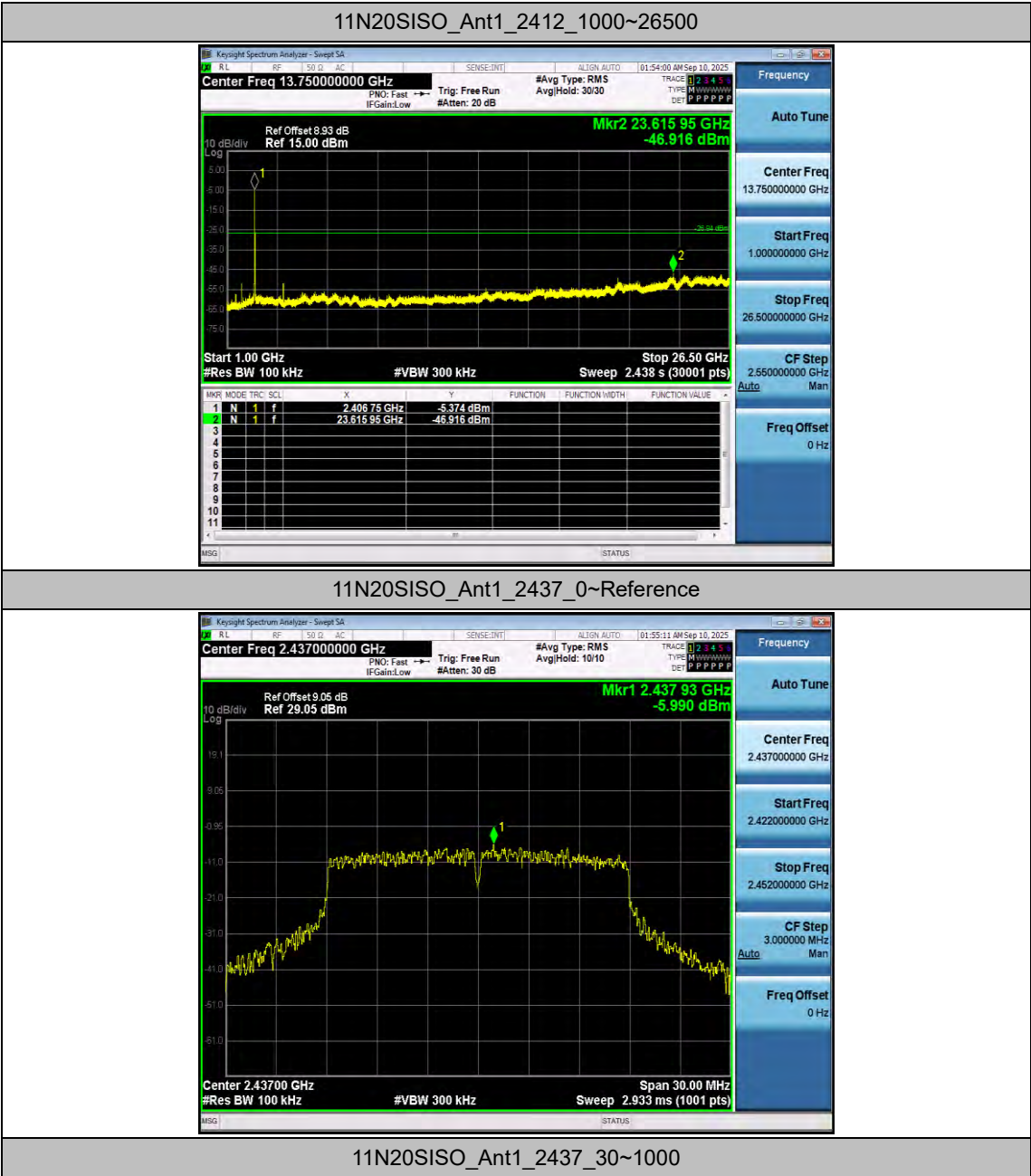


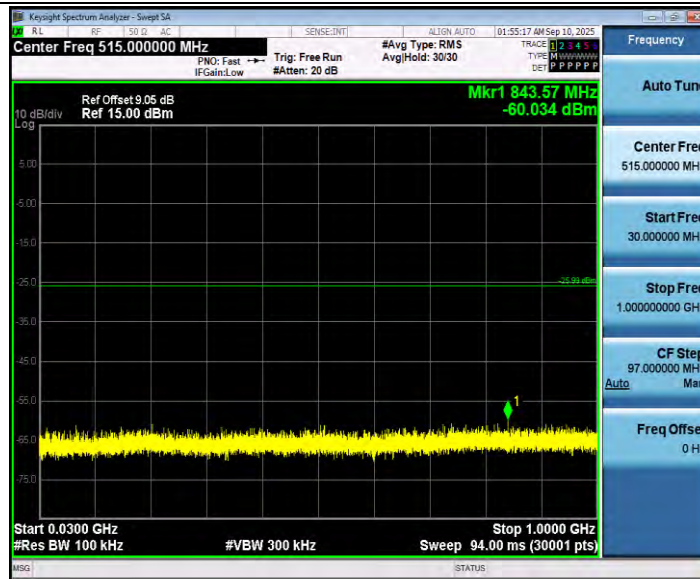
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000





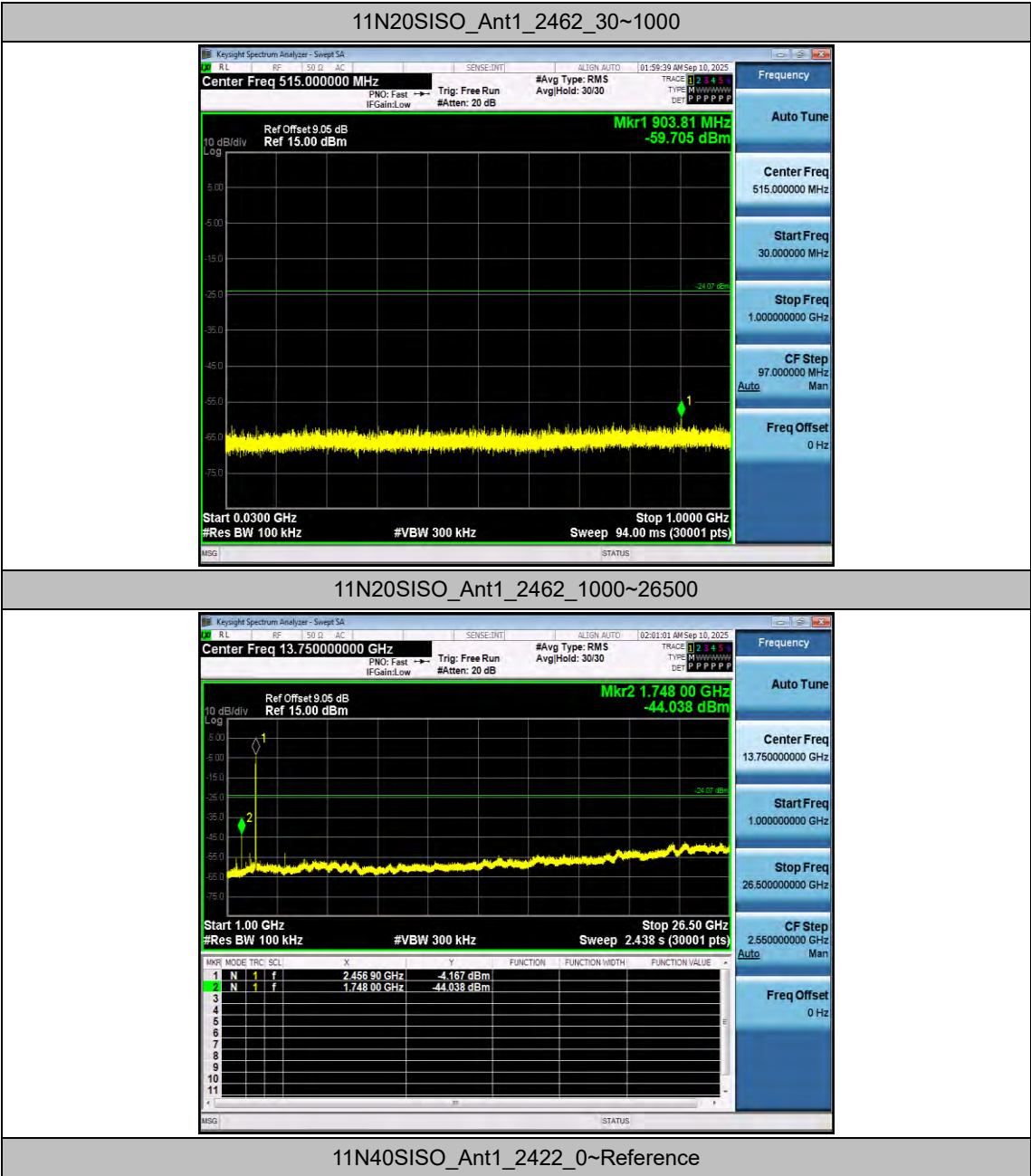


11N20SISO_Ant1_2437_1000~26500



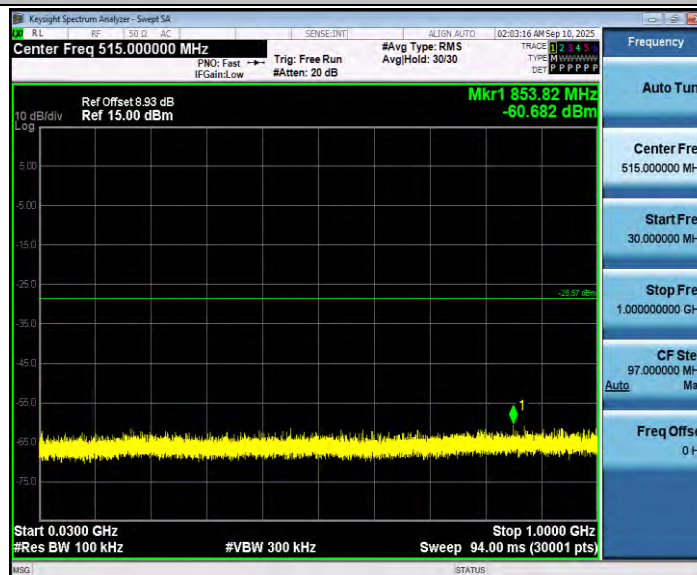
11N20SISO_Ant1_2462_0~Reference



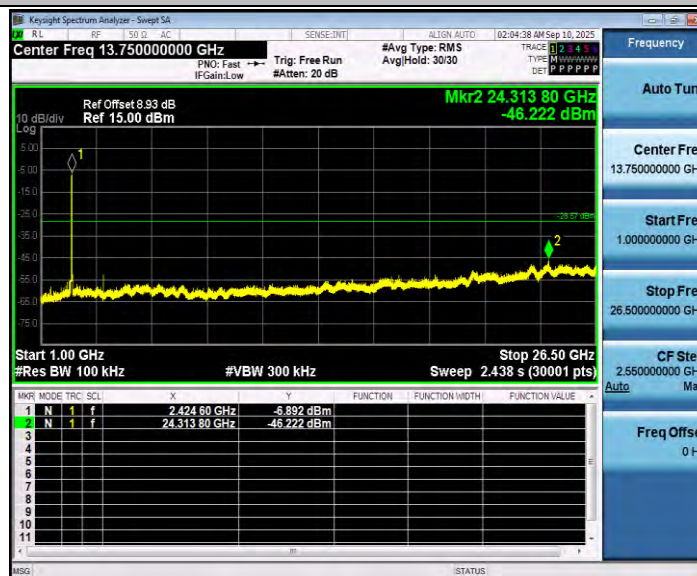




11N40SISO_Ant1_2422_30~1000



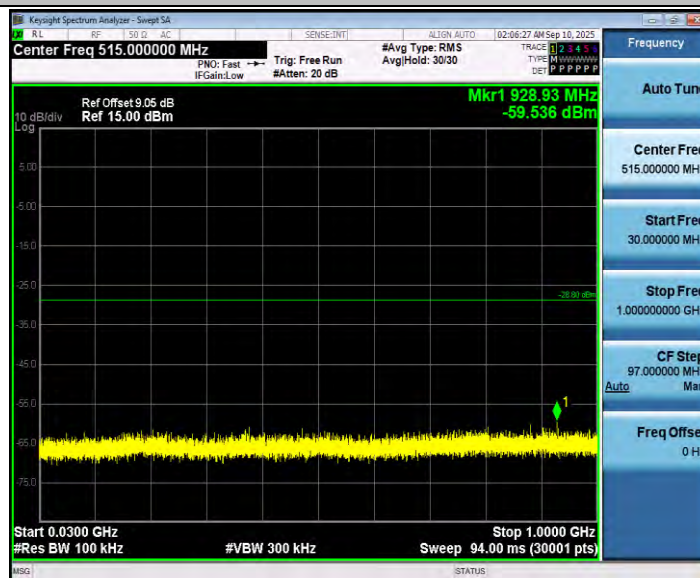
11N40SISO_Ant1_2422_1000~26500



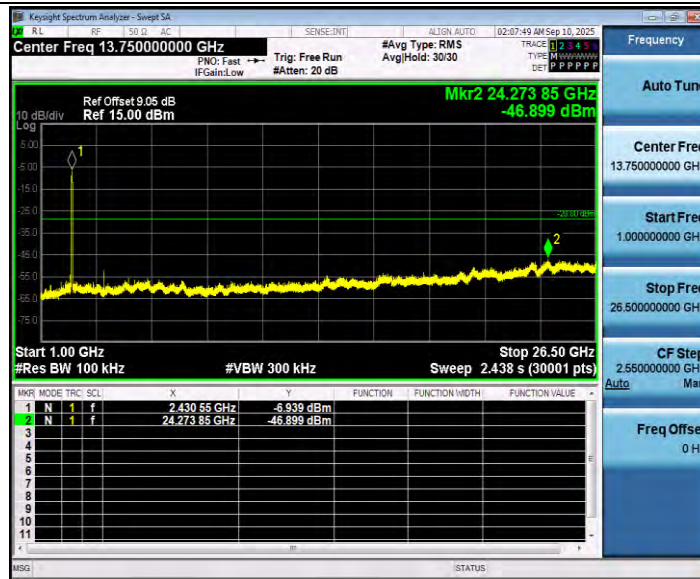
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



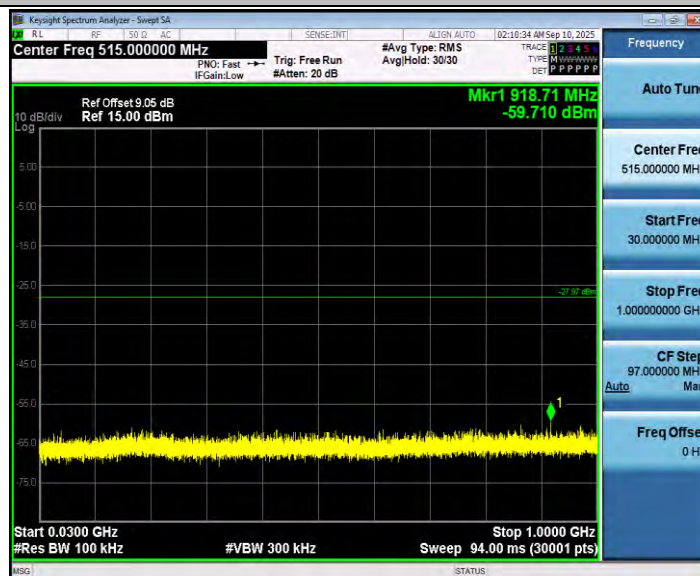
11N40SISO_Ant1_2437_1000~26500



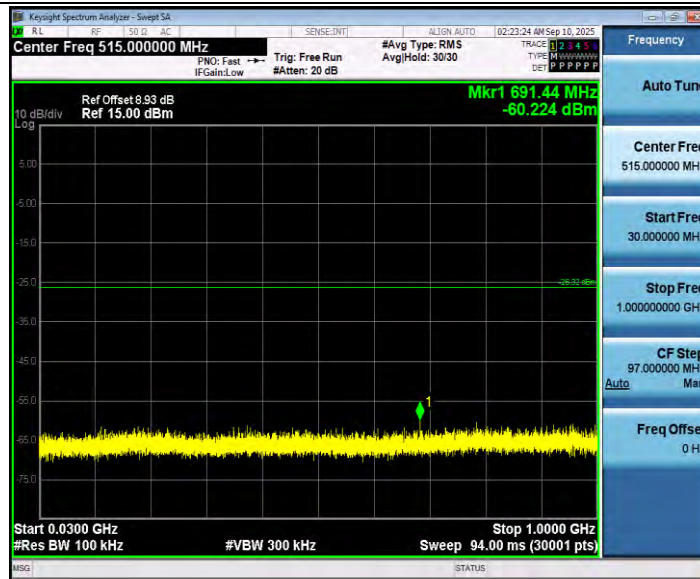
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





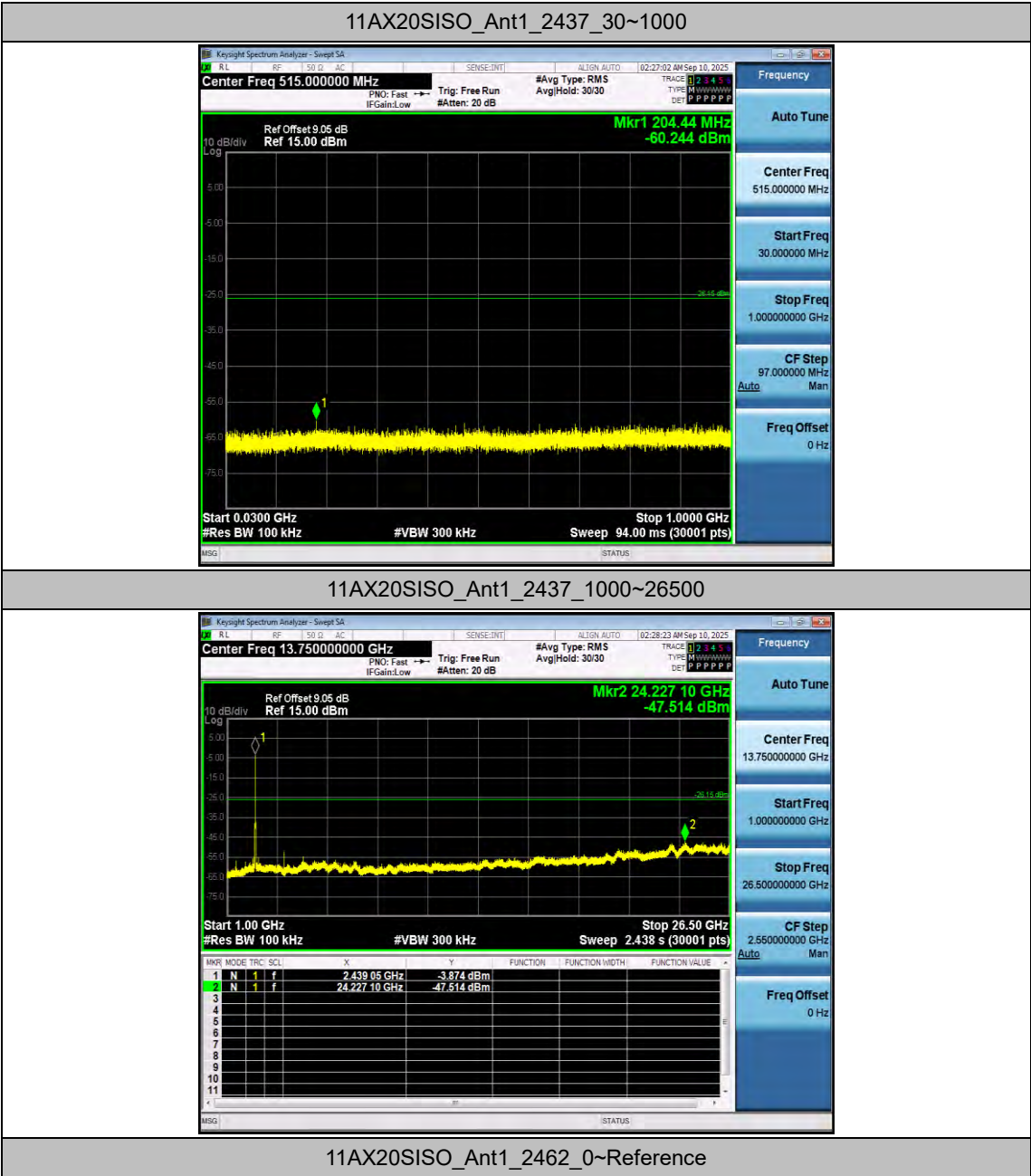


11AX20SISO_Ant1_2412_1000~26500



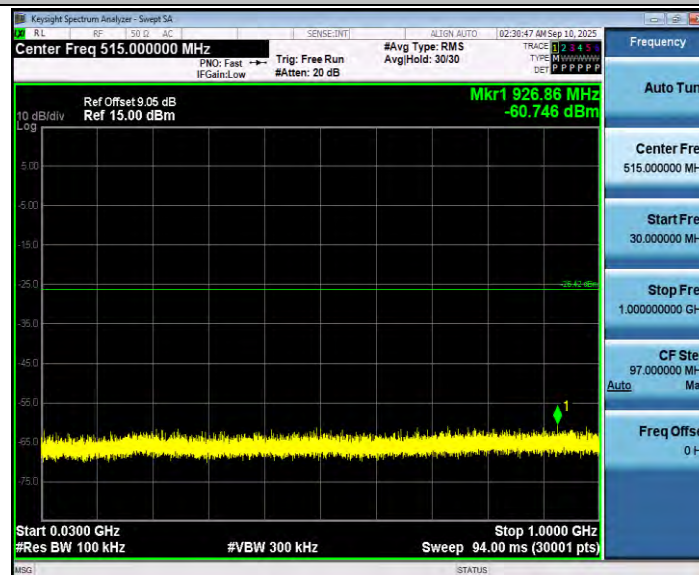
11AX20SISO_Ant1_2437_0~Reference







11AX20SISO_Ant1_2462_30~1000



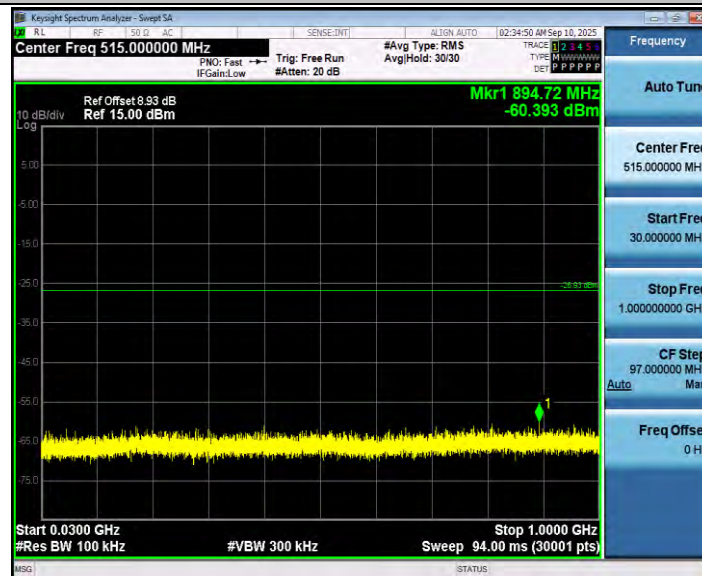
11AX20SISO_Ant1_2462_1000~26500



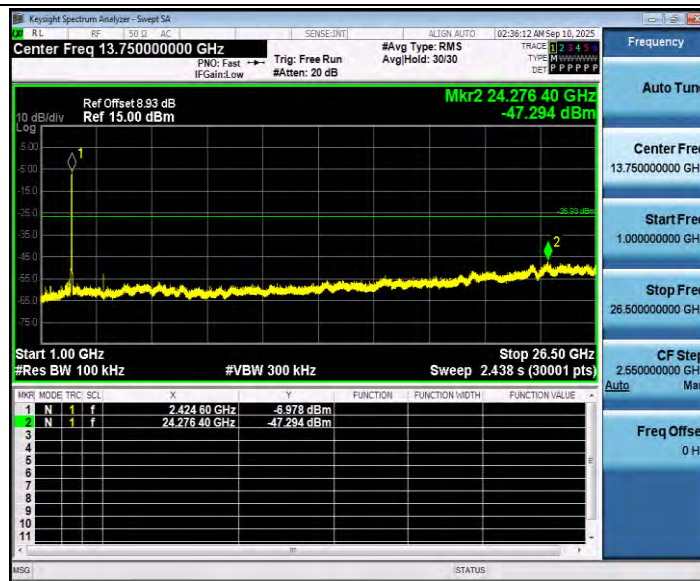
11AX40SISO_Ant1_2422_0~Reference



11AX40SISO_Ant1_2422_30~1000



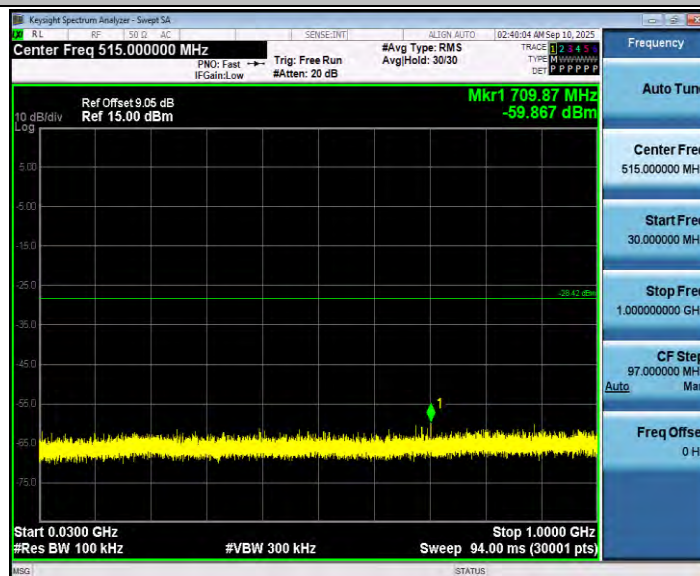
11AX40SISO_Ant1_2422_1000~26500

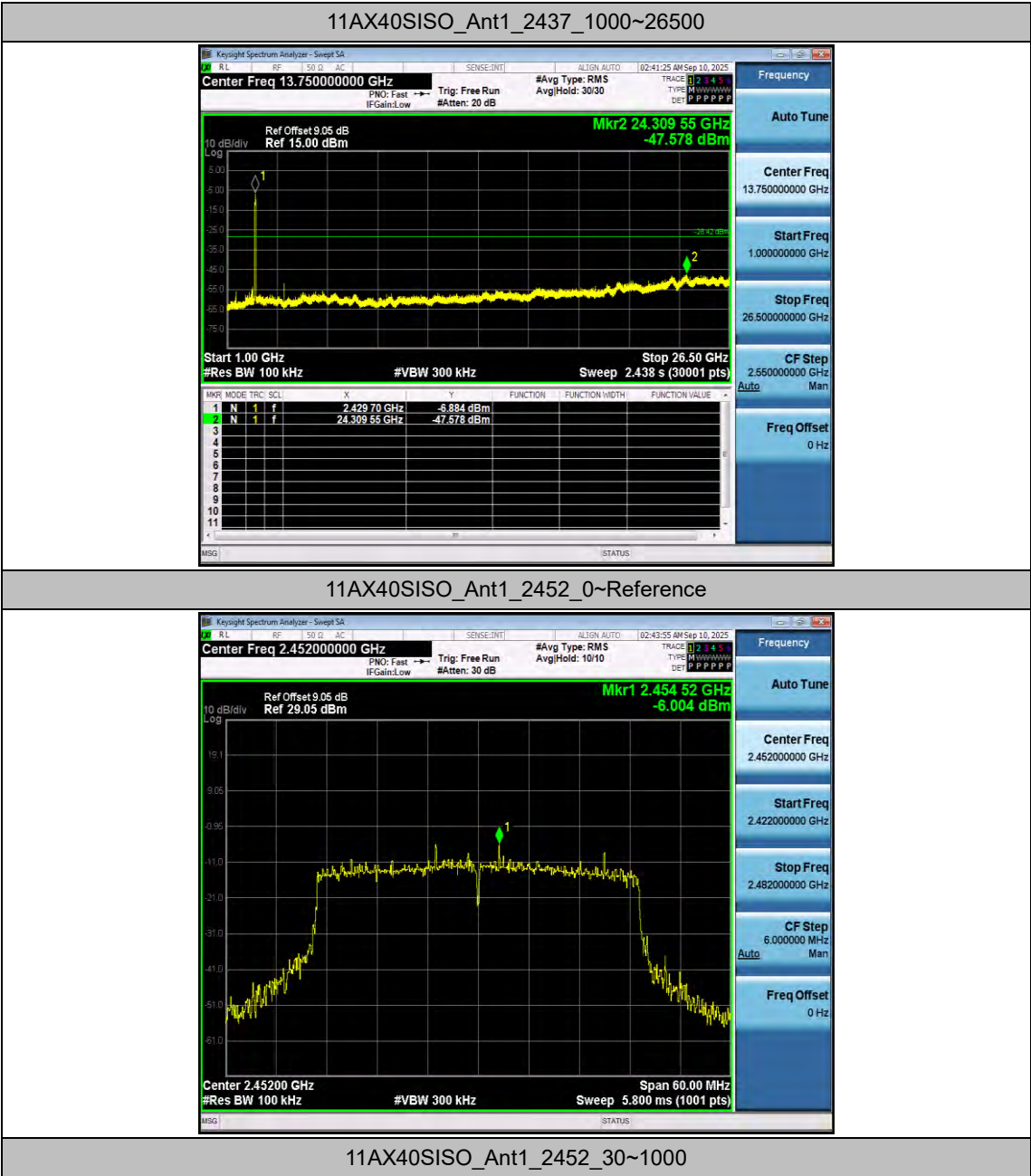


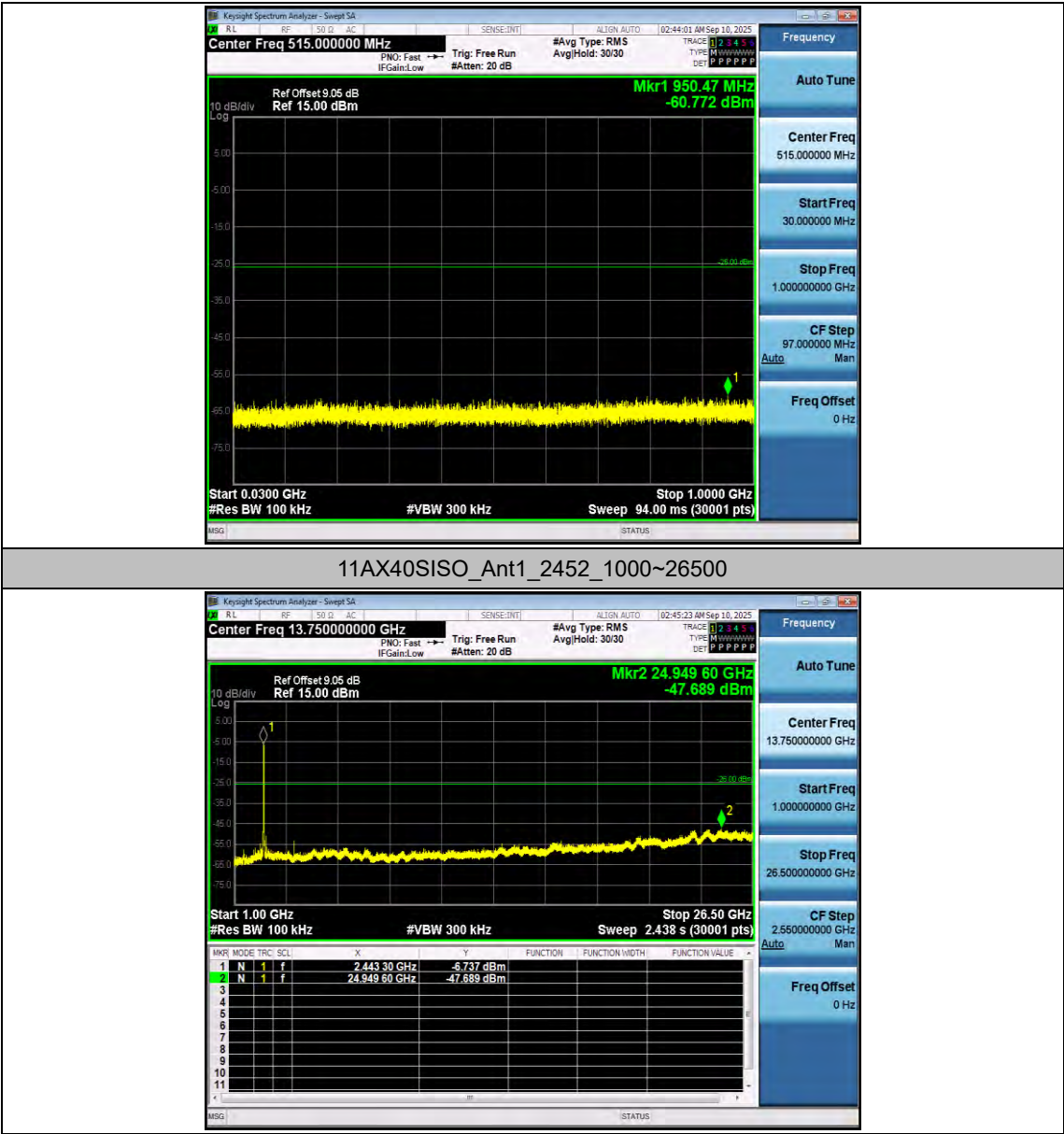
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000





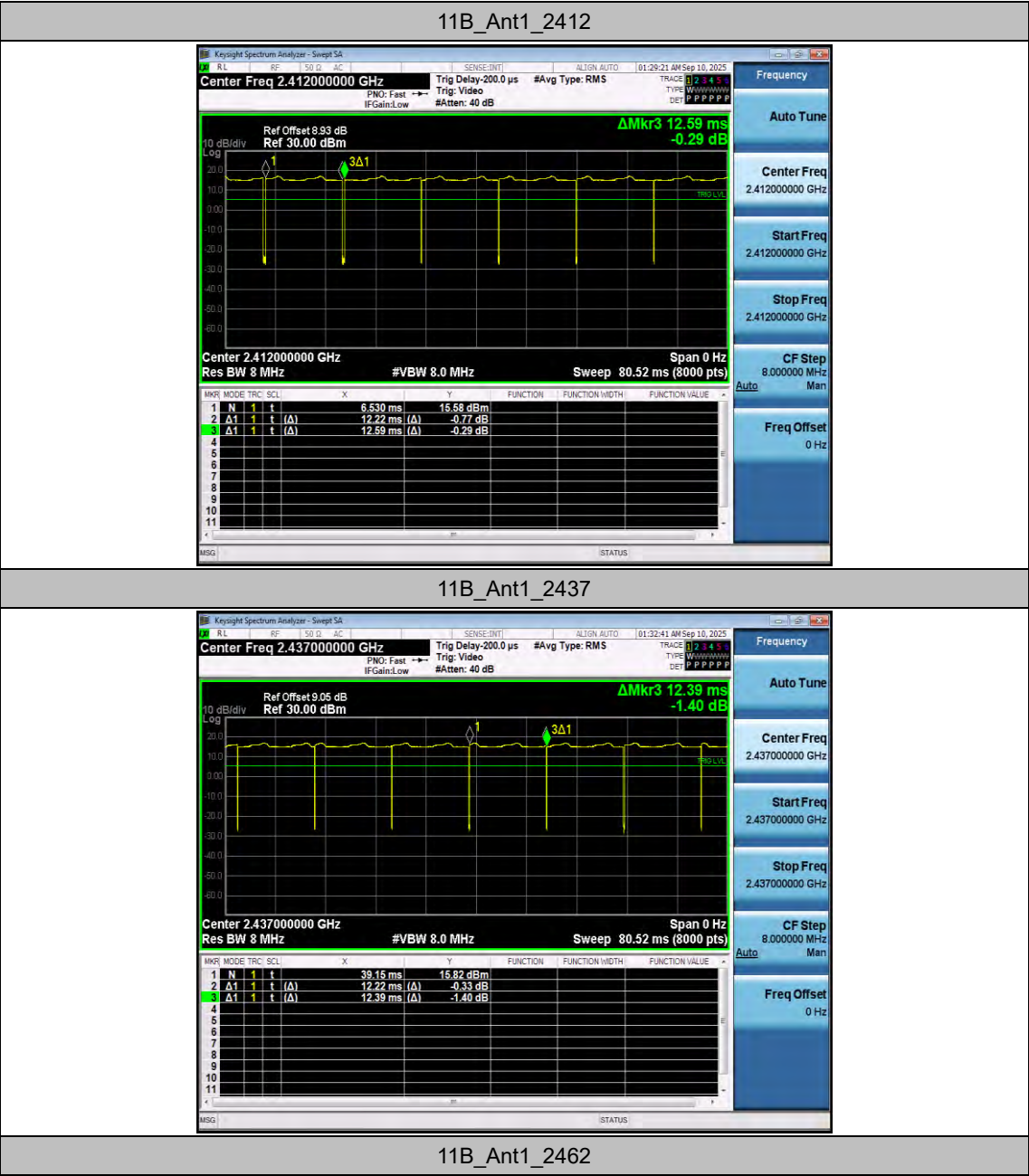


AppendixC.7: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	12.22	12.59	97.06	0.13	0.08
		2437	12.22	12.39	98.63	0.06	0.08
		2462	12.23	12.42	98.47	0.07	0.08
11G	Ant1	2412	2.03	2.25	90.22	0.45	0.49
		2437	2.03	3.36	60.42	2.19	0.49
		2462	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	2412	1.89	2.52	75.00	1.25	0.53
		2437	1.89	2.03	93.10	0.31	0.53
		2462	1.89	2.10	90.00	0.46	0.53
11N40SISO	Ant1	2422	0.93	1.37	67.88	1.68	1.08
		2437	0.93	1.25	74.40	1.28	1.08
		2452	0.94	1.18	79.66	0.99	1.06
11AX20SISO	Ant1	2412	1.46	1.79	81.56	0.89	0.68
		2437	1.47	2.04	72.06	1.42	0.68
		2462	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	2422	0.76	1.38	55.07	2.59	1.32
		2437	0.77	1.00	77.00	1.14	1.30
		2452	0.76	1.00	76.00	1.19	1.32

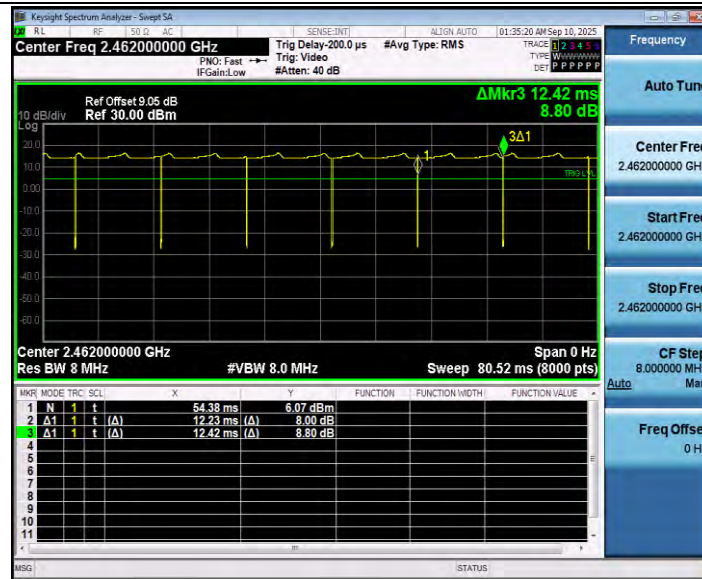
Test Graphs



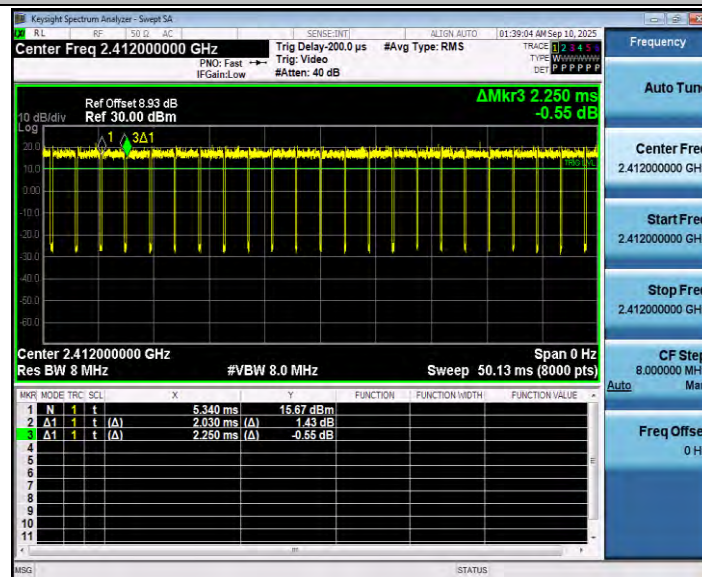
11B_Ant1_2437

Center Freq 2.437000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 80.52 ms (8000 pts)
Span 0 HzFrequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.000000 MHz
Freq Offset 0 Hz

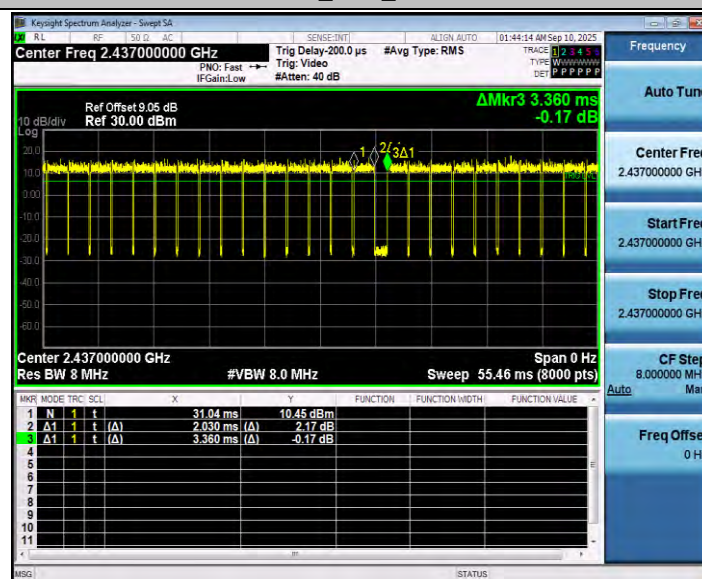
11B_Ant1_2462

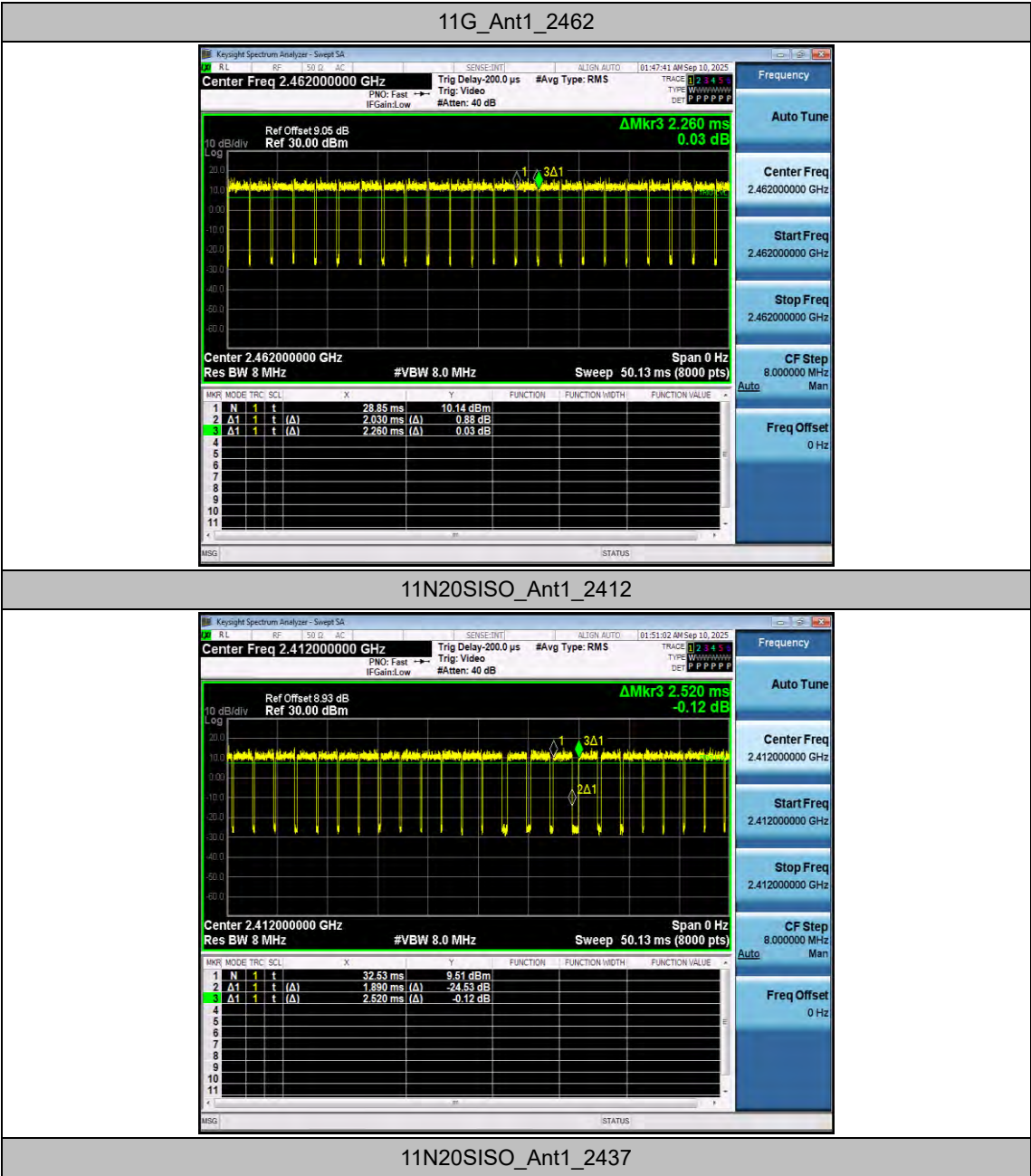


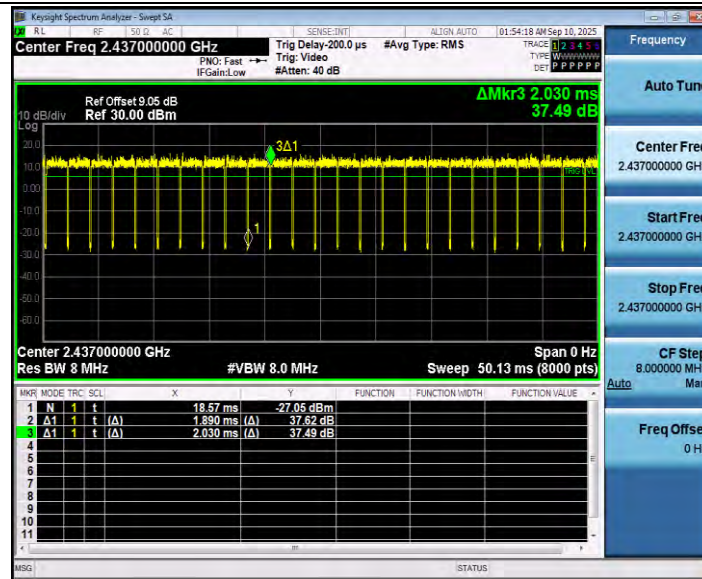
11G_Ant1_2412



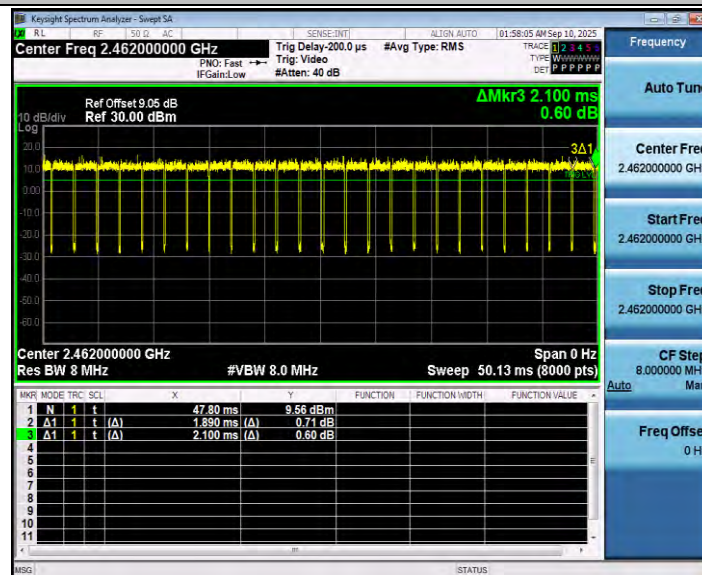
11G_Ant1_2437



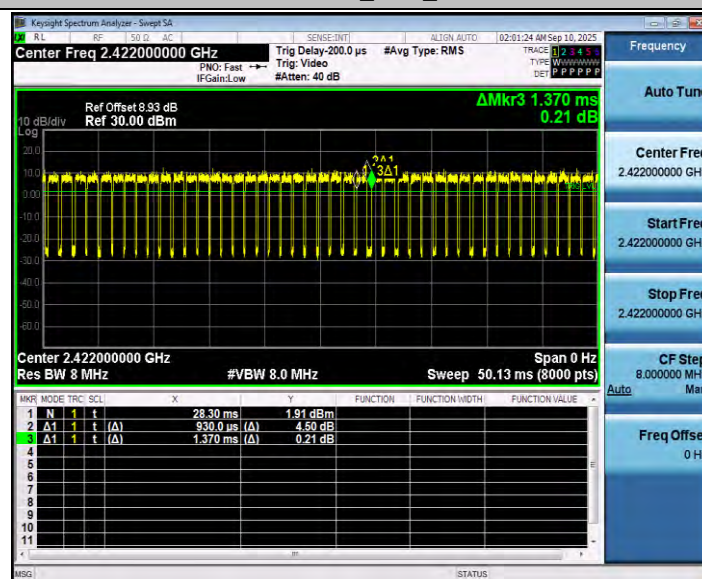




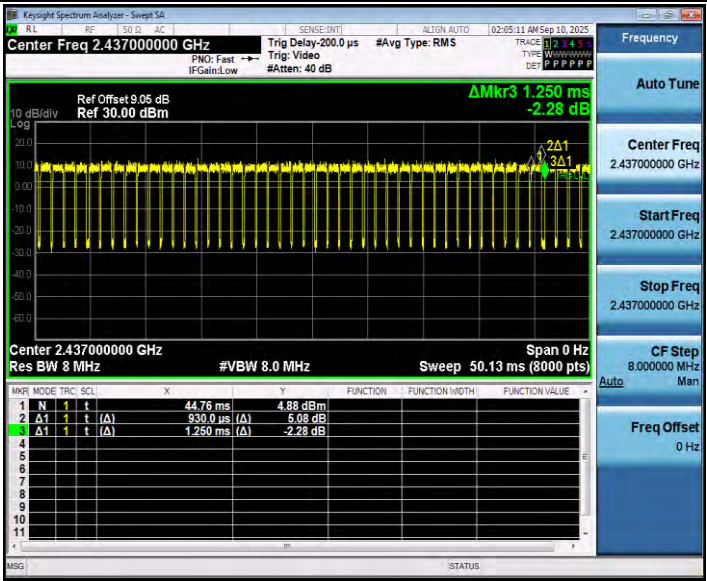
11N20SISO_Ant1_2462



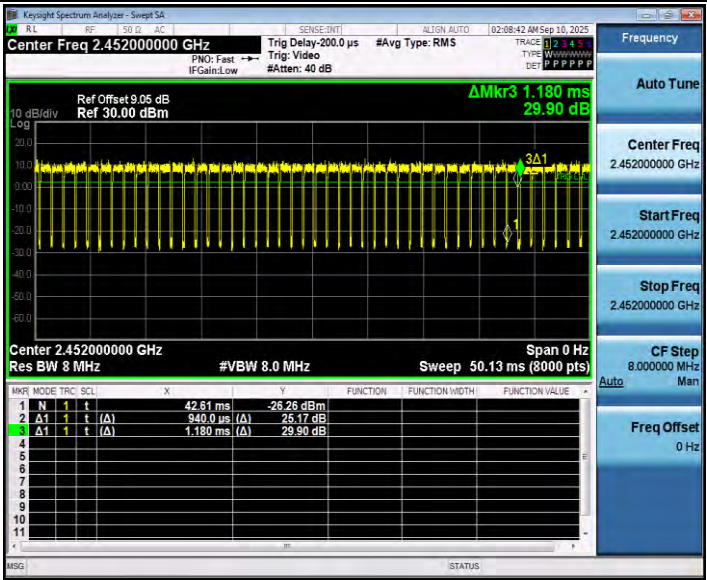
11N40SISO_Ant1_2422



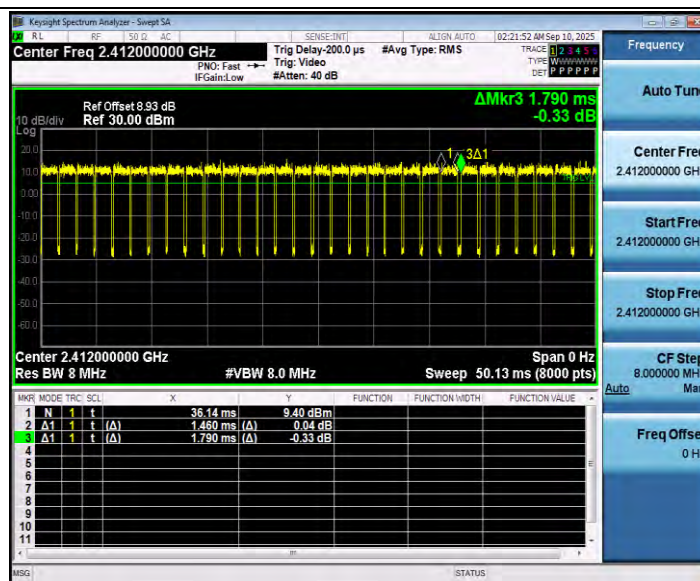
11N40SISO_Ant1_2437



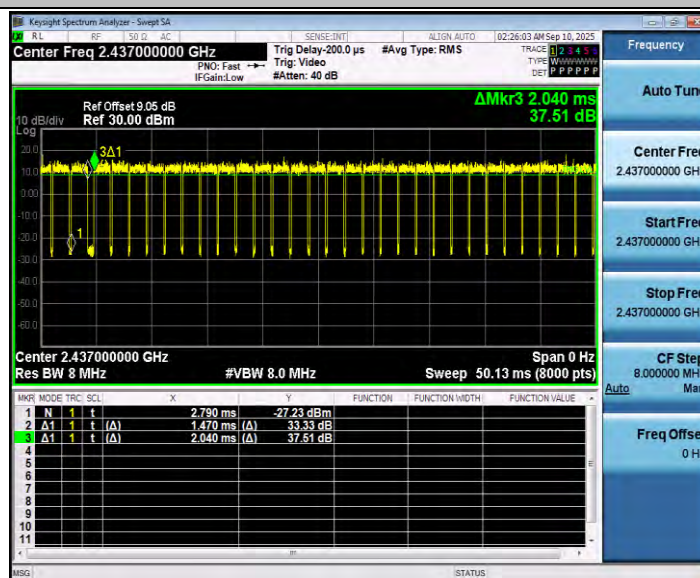
11N40SISO_Ant1_2452



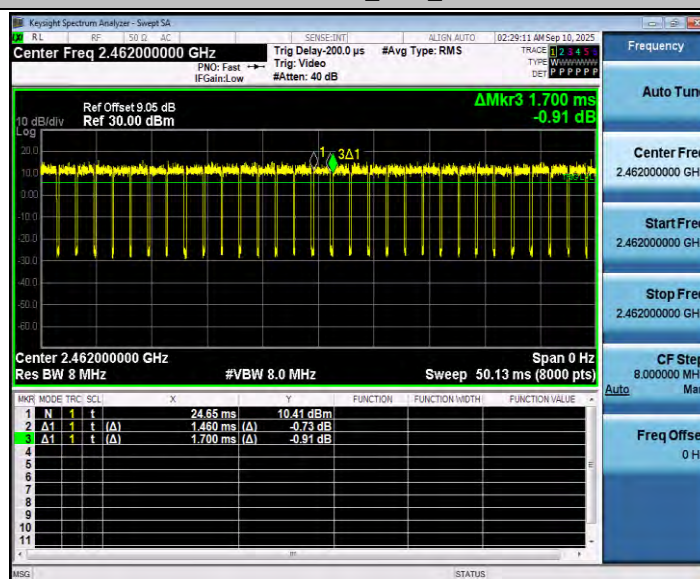
11AX20SISO_Ant1_2412

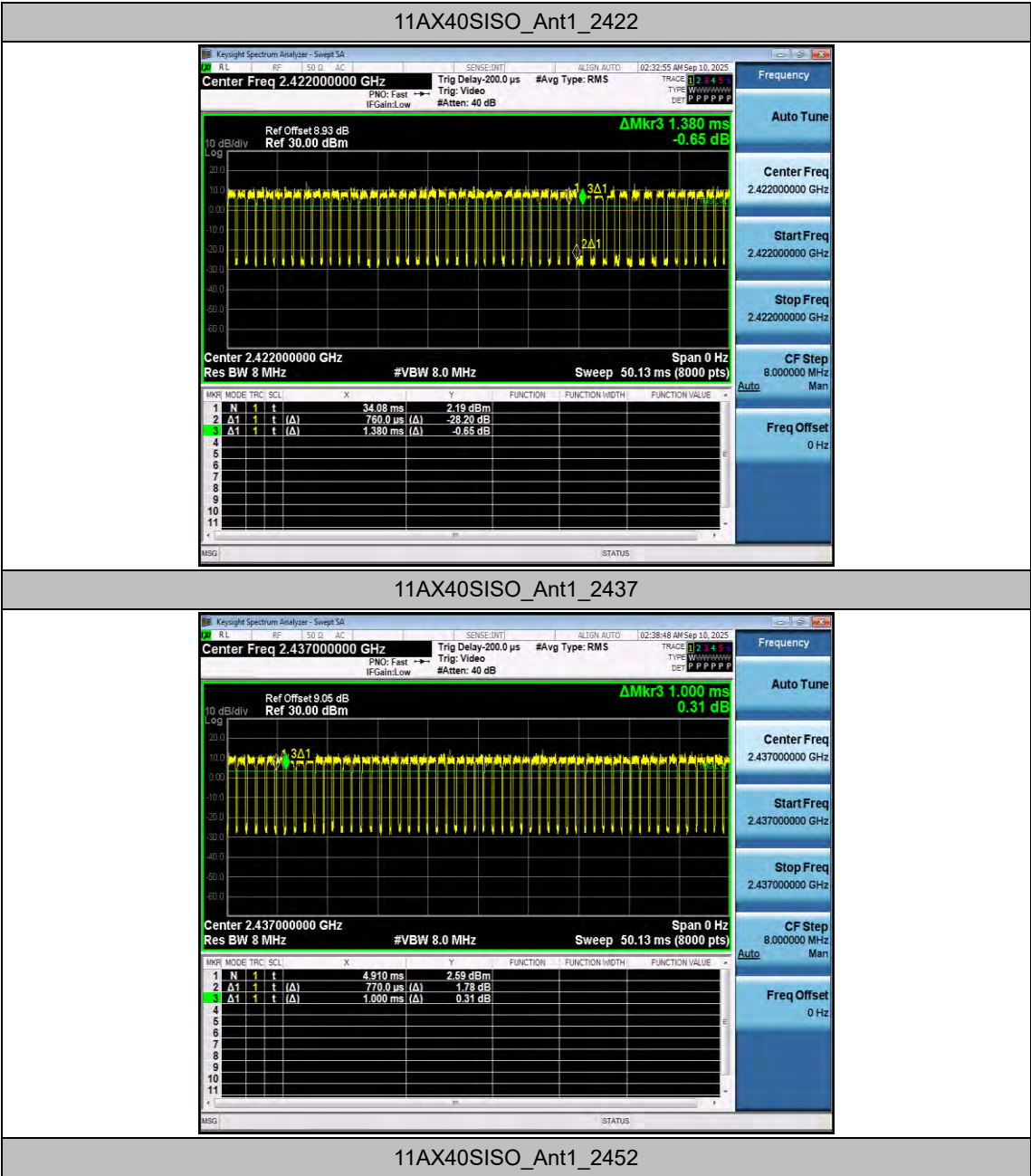


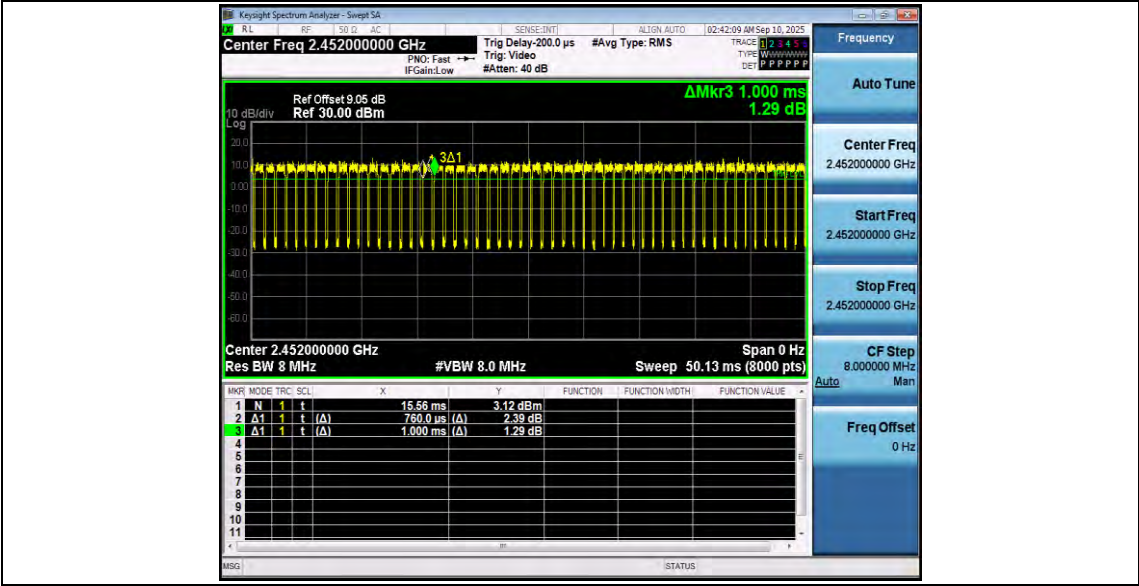
11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462







Appendix C.8: Emissions in Restricted Bands

Test Result

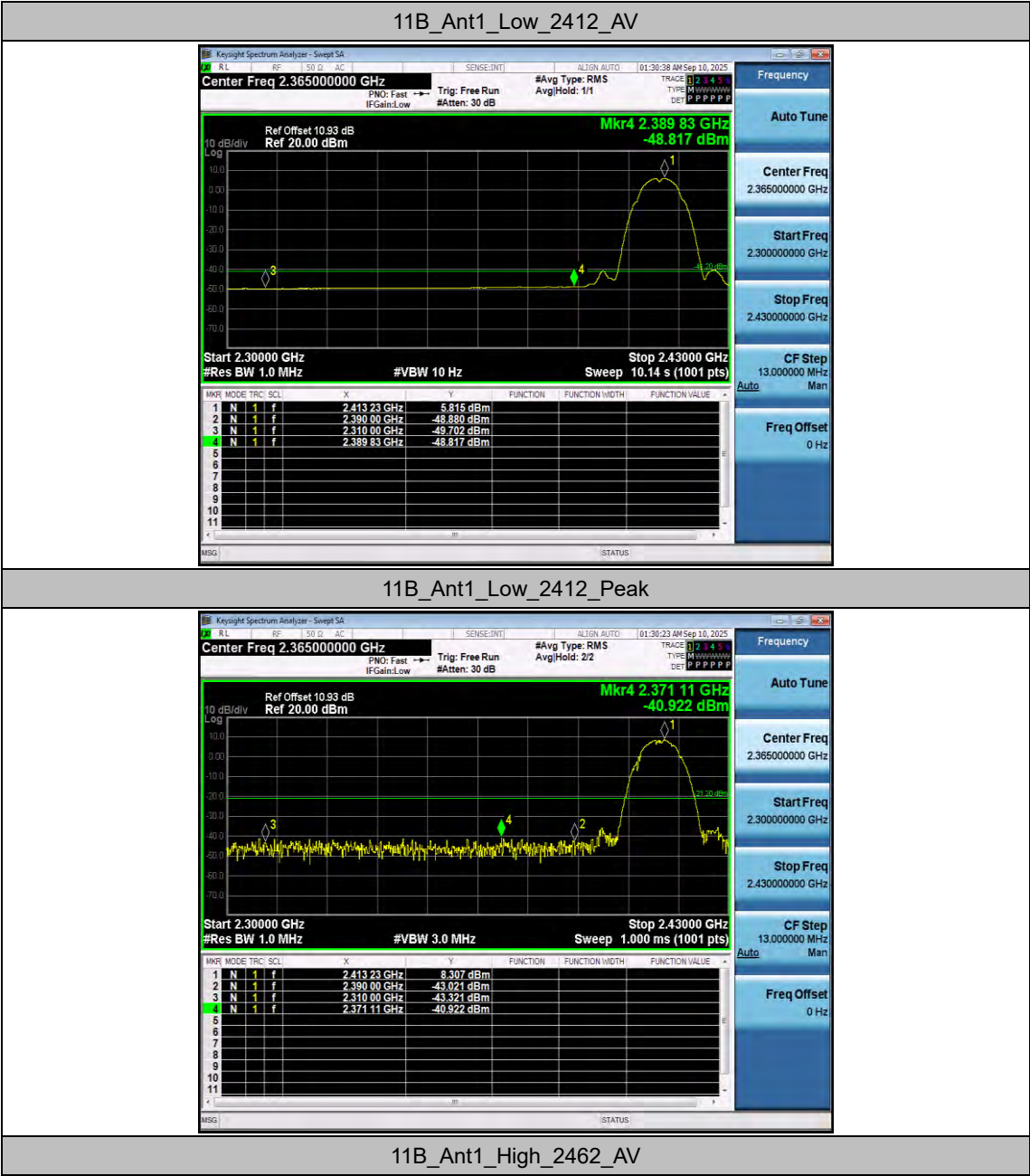
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.7	≤-41.20	45.50	≤54	PASS
				AV	2389.830	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2390.000	-48.88	≤-41.20	46.32	≤54	PASS
				Peak	2310.000	-43.32	≤-21.20	51.88	≤74	PASS
				Peak	2371.110	-40.92	≤-21.20	54.28	≤74	PASS
				Peak	2390.000	-43.02	≤-21.20	52.18	≤74	PASS
		High	2462	AV	2483.500	-48.51	≤-41.20	46.69	≤54	PASS
				AV	2497.860	-48.39	≤-41.20	46.81	≤54	PASS
				AV	2500.000	-48.5	≤-41.20	46.70	≤54	PASS
				Peak	2483.500	-44.91	≤-21.20	50.29	≤74	PASS
				Peak	2489.390	-37.88	≤-21.20	57.32	≤74	PASS
				Peak	2500.000	-46.3	≤-21.20	48.90	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.56	≤-41.20	45.64	≤54	PASS
				AV	2389.960	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2390.000	-47.67	≤-41.20	47.53	≤54	PASS
				Peak	2310.000	-44.88	≤-21.20	50.32	≤74	PASS
				Peak	2388.790	-37.74	≤-21.20	57.46	≤74	PASS
				Peak	2390.000	-44.6	≤-21.20	50.60	≤74	PASS
		High	2462	AV	2483.500	-47.23	≤-41.20	47.97	≤54	PASS
				AV	2483.560	-47.29	≤-41.20	47.91	≤54	PASS
				AV	2500.000	-48.57	≤-41.20	46.63	≤54	PASS
				Peak	2483.500	-46.98	≤-21.20	48.22	≤74	PASS
				Peak	2498.630	-39.42	≤-21.20	55.78	≤74	PASS
				Peak	2500.000	-45.14	≤-21.20	50.06	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.57	≤-41.20	45.63	≤54	PASS
				AV	2389.960	-47.34	≤-41.20	47.86	≤54	PASS
				AV	2390.000	-47.34	≤-41.20	47.86	≤54	PASS
				Peak	2310.000	-46.61	≤-21.20	48.59	≤74	PASS
				Peak	2388.790	-40.11	≤-21.20	55.09	≤74	PASS
				Peak	2390.000	-48.39	≤-21.20	46.81	≤74	PASS
		High	2462	AV	2483.500	-47.08	≤-41.20	48.12	≤54	PASS
				AV	2483.560	-47.16	≤-41.20	48.04	≤54	PASS
				AV	2500.000	-48.69	≤-41.20	46.51	≤54	PASS
				Peak	2483.500	-43.99	≤-21.20	51.21	≤74	PASS
				Peak	2483.670	-38.32	≤-21.20	56.88	≤74	PASS
				Peak	2500.000	-43.87	≤-21.20	51.33	≤74	PASS

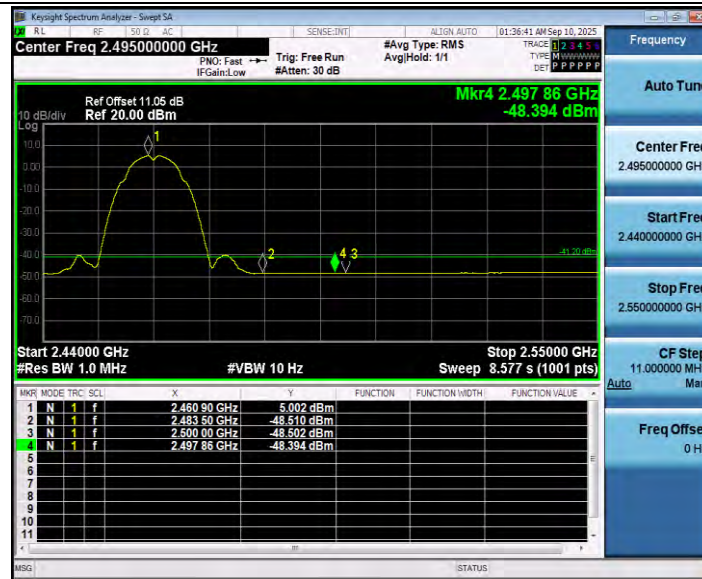
11N40SISO	Ant1	Low	2422	AV	2310.000	-49.48	≤ -41.20	45.72	≤ 54	PASS
				AV	2389.960	-48.32	≤ -41.20	46.88	≤ 54	PASS
				AV	2390.000	-48.32	≤ -41.20	46.88	≤ 54	PASS
				Peak	2310.000	-46.79	≤ -21.20	48.41	≤ 74	PASS
				Peak	2342.510	-39.95	≤ -21.20	55.25	≤ 74	PASS
				Peak	2390.000	-47.15	≤ -21.20	48.05	≤ 74	PASS
		High	2452	AV	2483.500	-47.98	≤ -41.20	47.22	≤ 54	PASS
				AV	2483.560	-48	≤ -41.20	47.20	≤ 54	PASS
				AV	2500.000	-48.73	≤ -41.20	46.47	≤ 54	PASS
				Peak	2483.500	-48.07	≤ -21.20	47.13	≤ 74	PASS
				Peak	2488.070	-40.26	≤ -21.20	54.94	≤ 74	PASS
				Peak	2500.000	-44.73	≤ -21.20	50.47	≤ 74	PASS
11AX20SISO	Ant1	Low	2412	AV	2310.000	-49.71	≤ -41.20	45.49	≤ 54	PASS
				AV	2389.960	-48.07	≤ -41.20	47.13	≤ 54	PASS
				AV	2390.000	-48.07	≤ -41.20	47.13	≤ 54	PASS
				Peak	2310.000	-47.55	≤ -21.20	47.65	≤ 74	PASS
				Peak	2388.920	-39.95	≤ -21.20	55.25	≤ 74	PASS
				Peak	2390.000	-44.52	≤ -21.20	50.68	≤ 74	PASS
		High	2462	AV	2483.500	-47.78	≤ -41.20	47.42	≤ 54	PASS
				AV	2483.560	-47.84	≤ -41.20	47.36	≤ 54	PASS
				AV	2500.000	-48.7	≤ -41.20	46.50	≤ 54	PASS
				Peak	2483.500	-48.1	≤ -21.20	47.10	≤ 74	PASS
				Peak	2485.210	-40.12	≤ -21.20	55.08	≤ 74	PASS
				Peak	2500.000	-40.93	≤ -21.20	54.27	≤ 74	PASS
11AX40SISO	Ant1	Low	2422	AV	2310.000	-49.7	≤ -41.20	45.50	≤ 54	PASS
				AV	2389.960	-48.55	≤ -41.20	46.65	≤ 54	PASS
				AV	2390.000	-48.56	≤ -41.20	46.64	≤ 54	PASS
				Peak	2310.000	-46.55	≤ -21.20	48.65	≤ 74	PASS
				Peak	2349.140	-39.51	≤ -21.20	55.69	≤ 74	PASS
				Peak	2390.000	-48.3	≤ -21.20	46.90	≤ 74	PASS
		High	2452	AV	2483.500	-48.06	≤ -41.20	47.14	≤ 54	PASS
				AV	2483.670	-48.04	≤ -41.20	47.16	≤ 54	PASS
				AV	2500.000	-48.72	≤ -41.20	46.48	≤ 54	PASS
				Peak	2483.500	-48.31	≤ -21.20	46.89	≤ 74	PASS
				Peak	2486.640	-40.04	≤ -21.20	55.16	≤ 74	PASS
				Peak	2500.000	-47.49	≤ -21.20	47.71	≤ 74	PASS

Note:

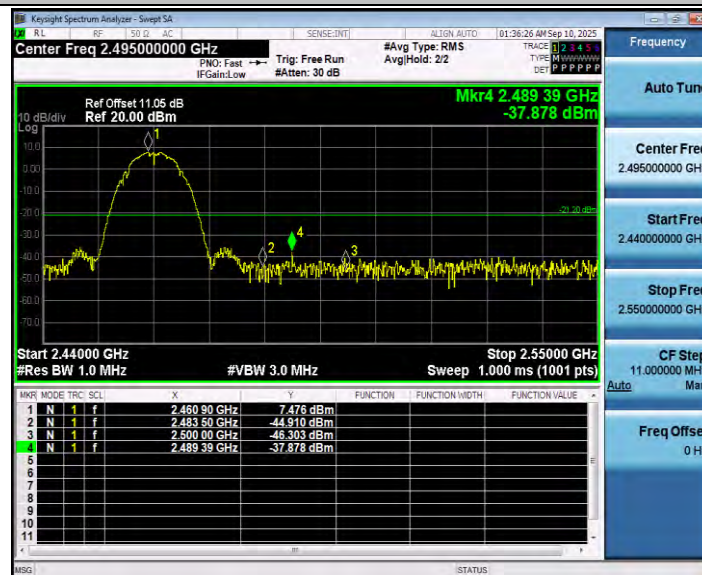
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

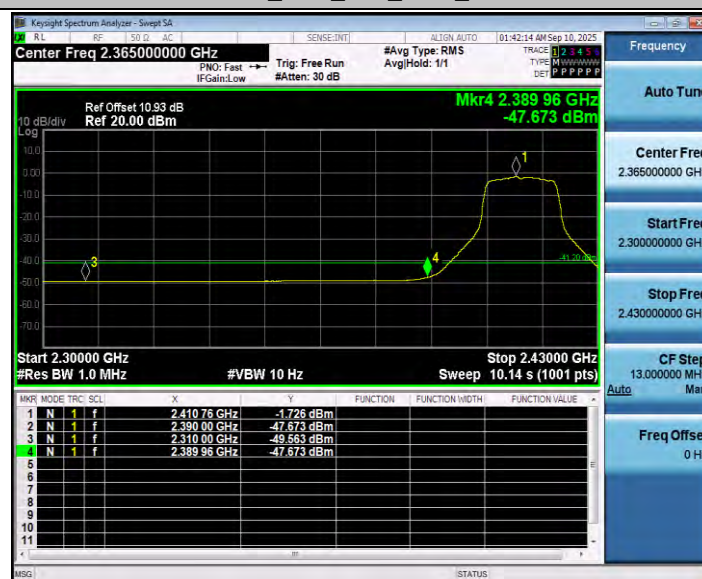




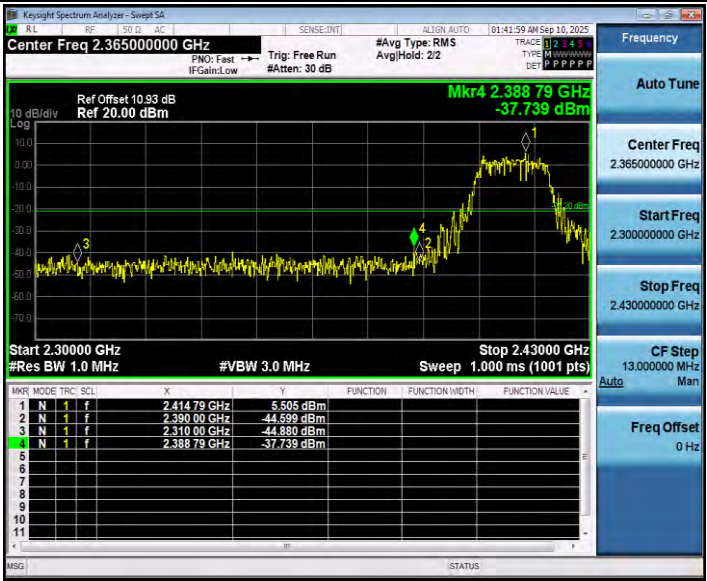
11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



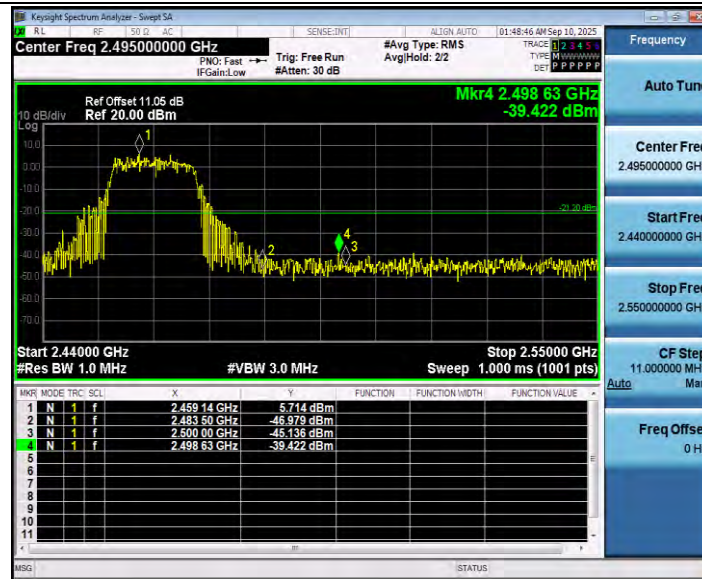
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



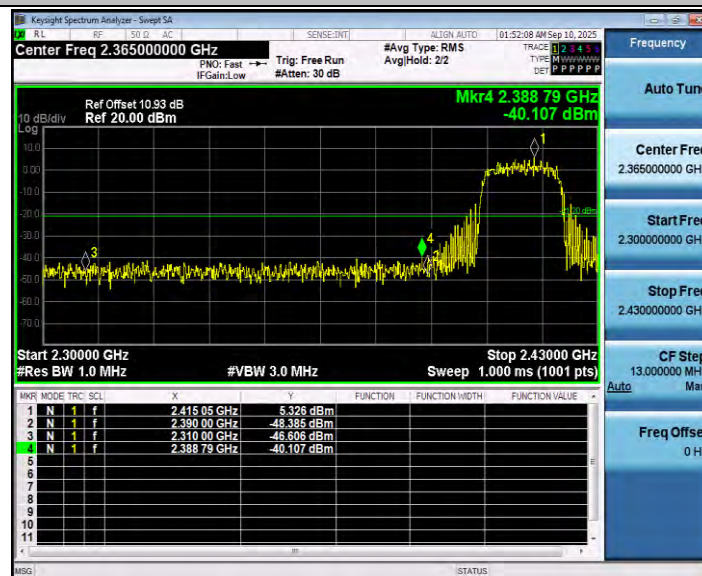
11G_Ant1_High_2462_Peak

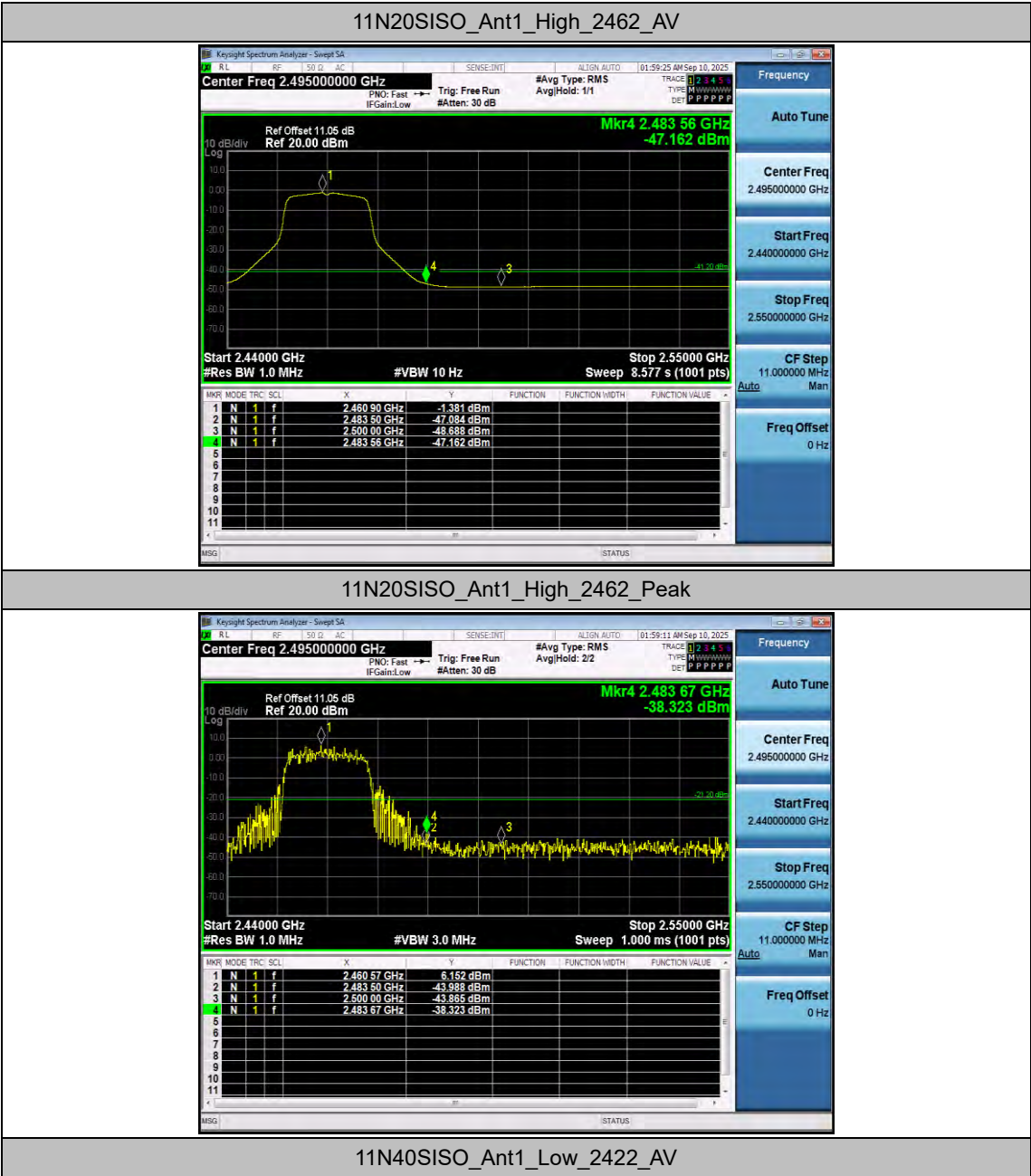


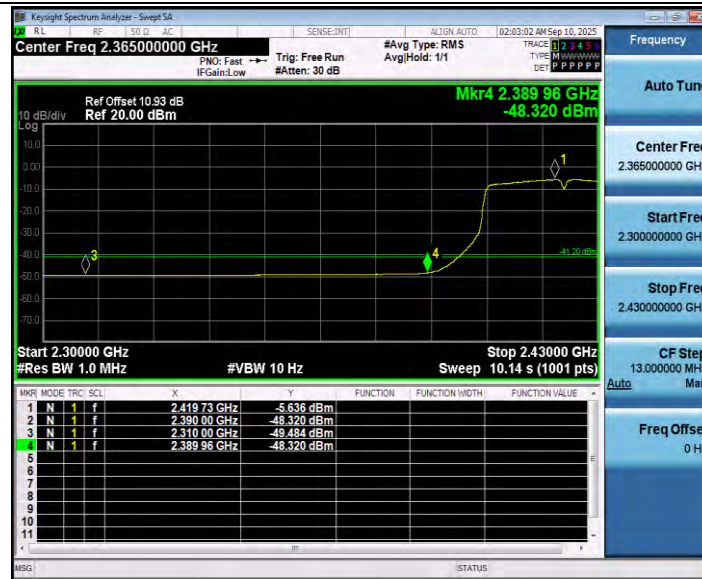
11N20SISO_Ant1_Low_2412_AV



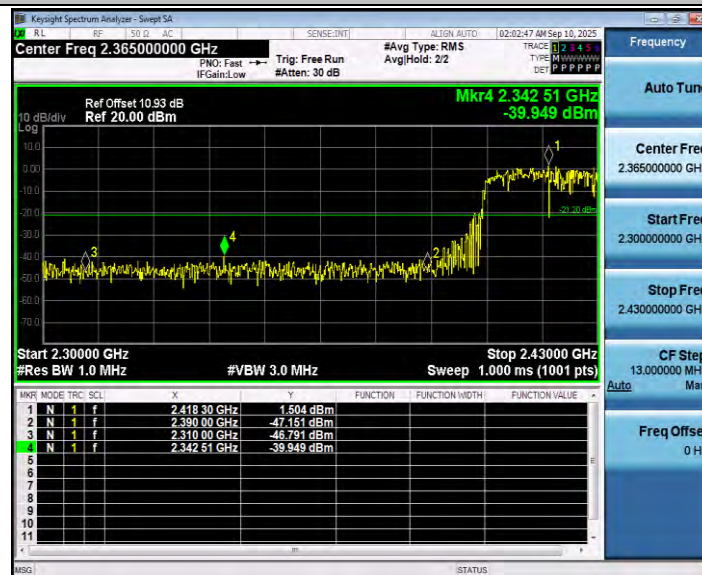
11N20SISO_Ant1_Low_2412_Peak







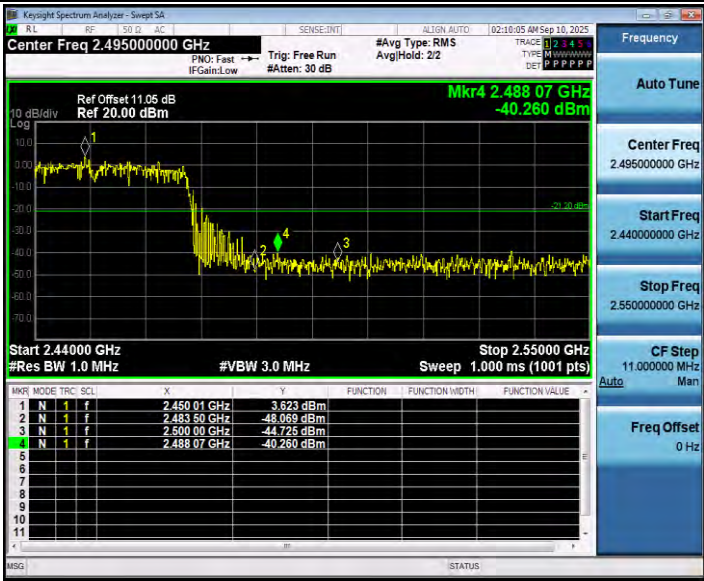
11N40SISO_Ant1_Low_2422_Peak



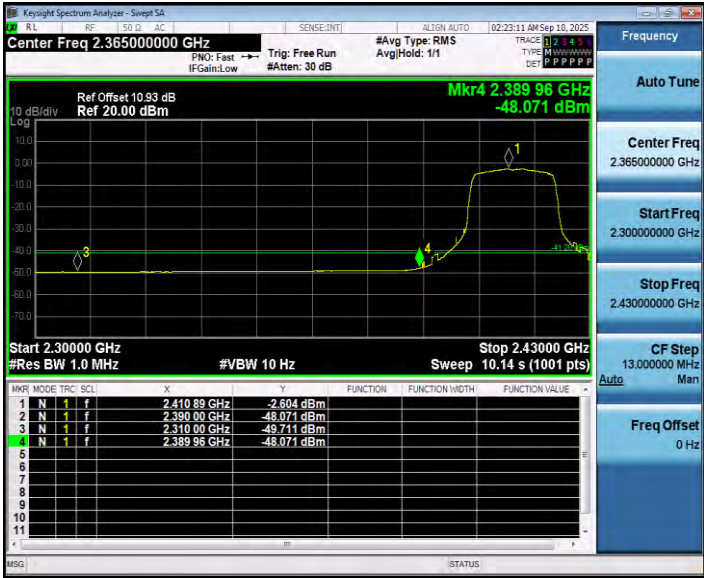
11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak



11AX20SISO_Ant1_Low_2412_AV



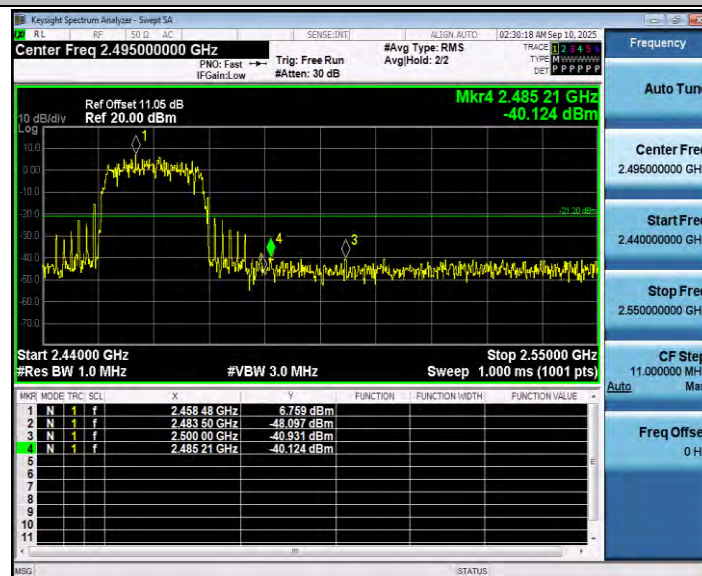
11AX20SISO_Ant1_Low_2412_Peak



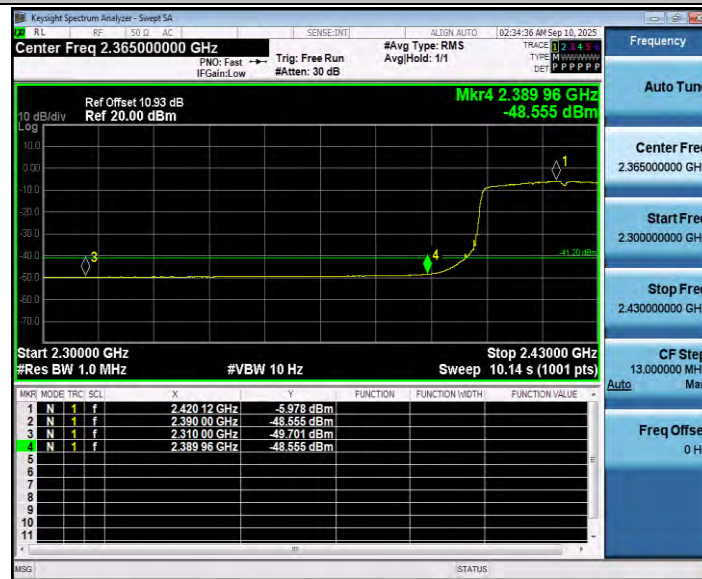
11AX20SISO_Ant1_High_2462_AV



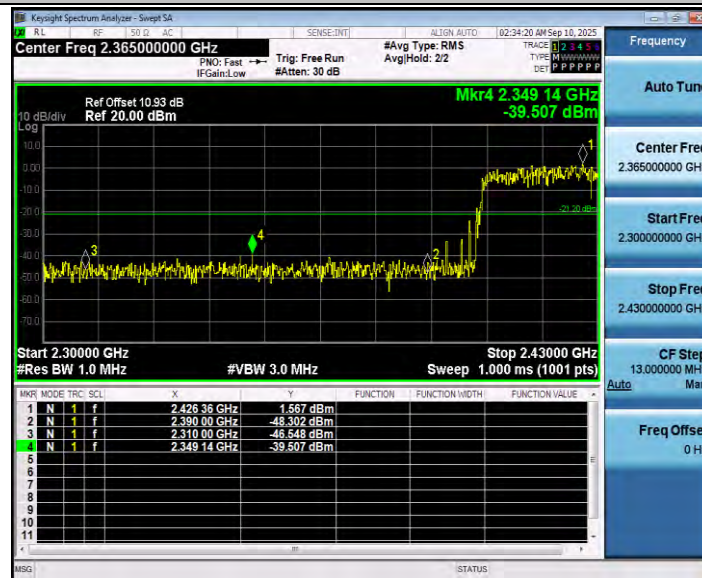
11AX20SISO_Ant1_High_2462_Peak



11AX40SISO_Ant1_Low_2422_AV



11AX40SISO_Ant1_Low_2422_Peak



11AX40SISO_Ant1_High_2452_AV



11AX40SISO_Ant1_High_2452_Peak

