

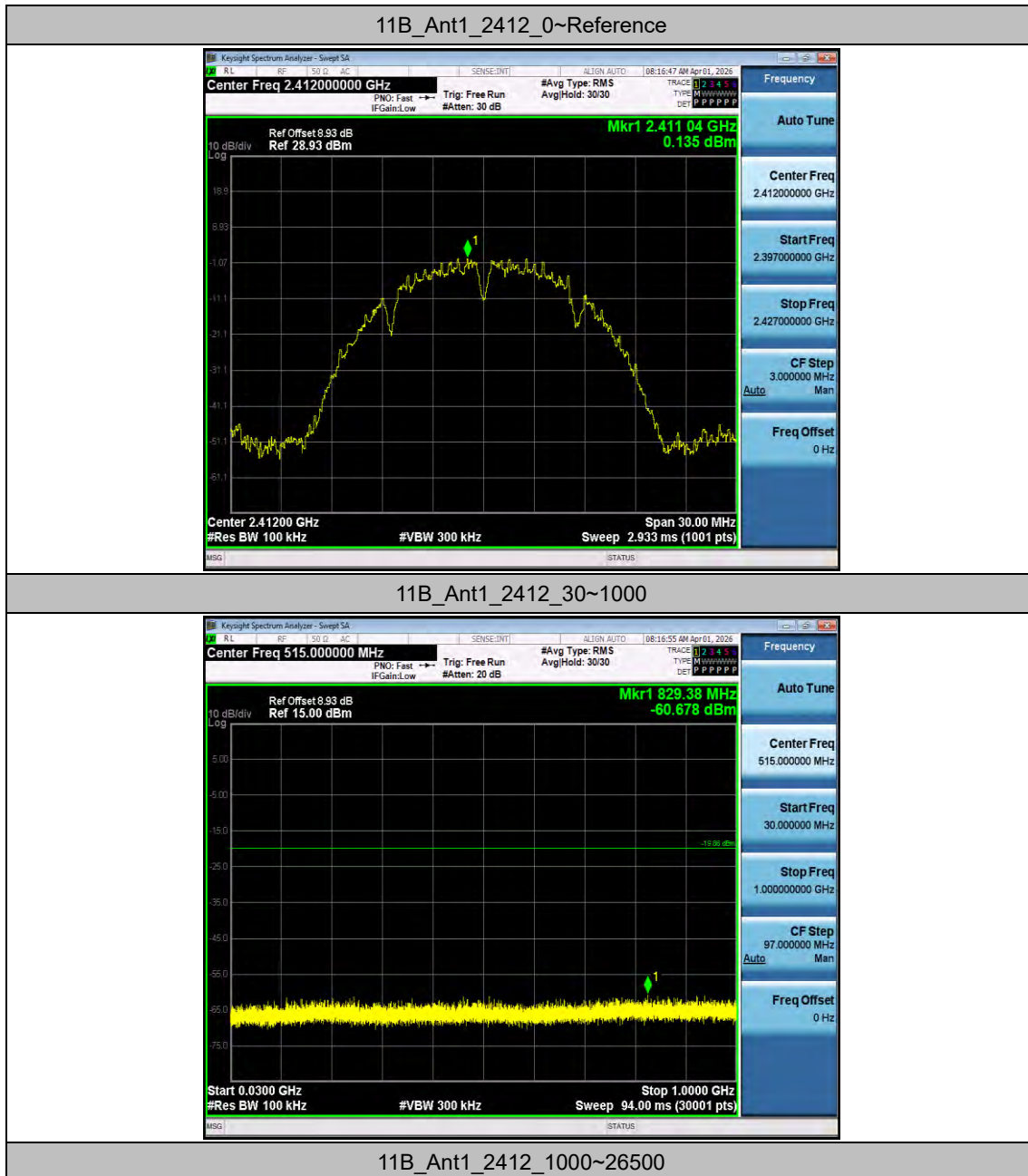
Appendix C.6:Conducted Spurious Emission

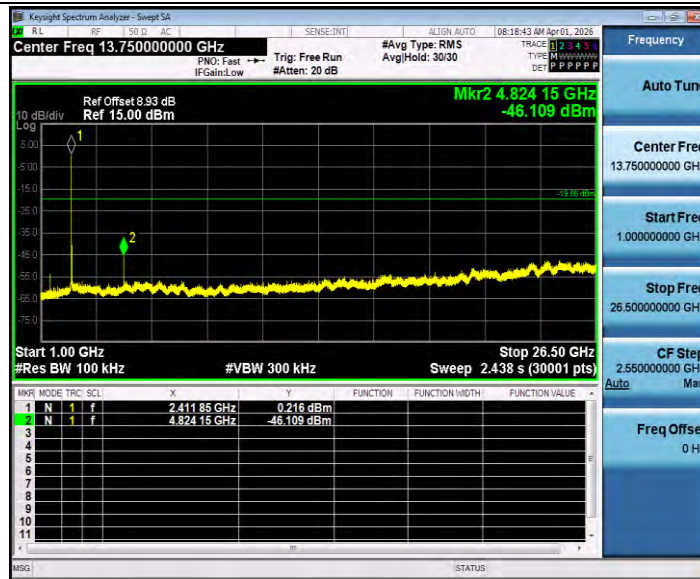
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-60.68	≤ -19.86	PASS
			1000~26500	0.14	-46.11	≤ -19.86	PASS
		2437	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-60.14	≤ -19.09	PASS
			1000~26500	0.91	-44.95	≤ -19.09	PASS
		2462	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-59.32	≤ -19.11	PASS
			1000~26500	0.89	-43.91	≤ -19.11	PASS
11G	Ant1	2412	Reference	-4.46	-4.46	---	PASS
			30~1000	-4.46	-60.53	≤ -24.46	PASS
			1000~26500	-4.46	-48.06	≤ -24.46	PASS
		2437	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-60.57	≤ -21.54	PASS
			1000~26500	-1.54	-46.51	≤ -21.54	PASS
		2462	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-59.31	≤ -23.56	PASS
			1000~26500	-3.56	-47.1	≤ -23.56	PASS
11N20SISO	Ant1	2412	Reference	-2.21	-2.21	---	PASS
			30~1000	-2.21	-60.39	≤ -22.21	PASS
			1000~26500	-2.21	-48.12	≤ -22.21	PASS
		2437	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-60.71	≤ -22.94	PASS
			1000~26500	-2.94	-47.47	≤ -22.94	PASS
		2462	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-60.2	≤ -22.22	PASS
			1000~26500	-2.22	-47.32	≤ -22.22	PASS
11N40SISO	Ant1	2422	Reference	-7.18	-7.18	---	PASS
			30~1000	-7.18	-60.49	≤ -27.18	PASS
			1000~26500	-7.18	-47.4	≤ -27.18	PASS
		2437	Reference	-4.83	-4.83	---	PASS
			30~1000	-4.83	-60.58	≤ -24.83	PASS
			1000~26500	-4.83	-47.09	≤ -24.83	PASS
		2452	Reference	-7.03	-7.03	---	PASS
			30~1000	-7.03	-60.27	≤ -27.03	PASS
			1000~26500	-7.03	-47.4	≤ -27.03	PASS

11AX20SISO	Ant1	2412	Reference	-2.98	-2.98	---	PASS
			30~1000	-2.98	-60.59	≤ -22.98	PASS
			1000~26500	-2.98	-47.92	≤ -22.98	PASS
		2437	Reference	-2.38	-2.38	---	PASS
			30~1000	-2.38	-59.72	≤ -22.38	PASS
			1000~26500	-2.38	-48.01	≤ -22.38	PASS
		2462	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-60.57	≤ -20.81	PASS
			1000~26500	-0.81	-47.61	≤ -20.81	PASS
11AX40SISO	Ant1	2422	Reference	-4.91	-4.91	---	PASS
			30~1000	-4.91	-60.68	≤ -24.91	PASS
			1000~26500	-4.91	-47.48	≤ -24.91	PASS
		2437	Reference	-3.00	-3.00	---	PASS
			30~1000	-3.00	-60.36	≤ -23	PASS
			1000~26500	-3.00	-47.37	≤ -23	PASS
		2452	Reference	-4.01	-4.01	---	PASS
			30~1000	-4.01	-59.91	≤ -24.01	PASS
			1000~26500	-4.01	-46.79	≤ -24.01	PASS

Test Graphs

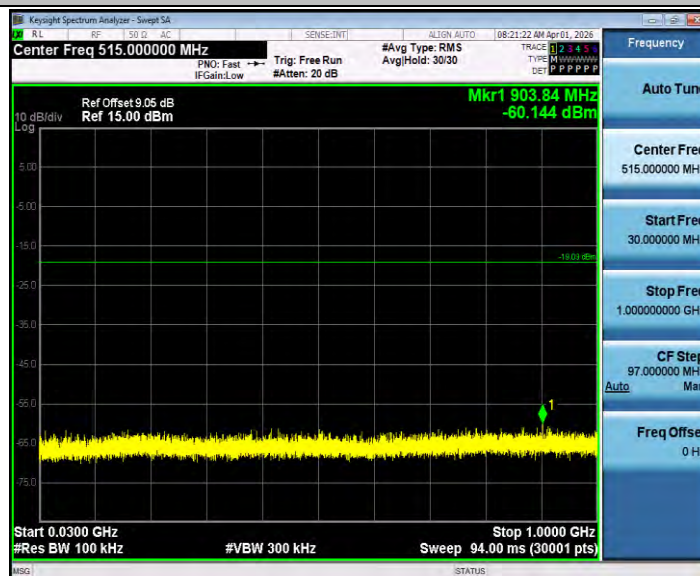




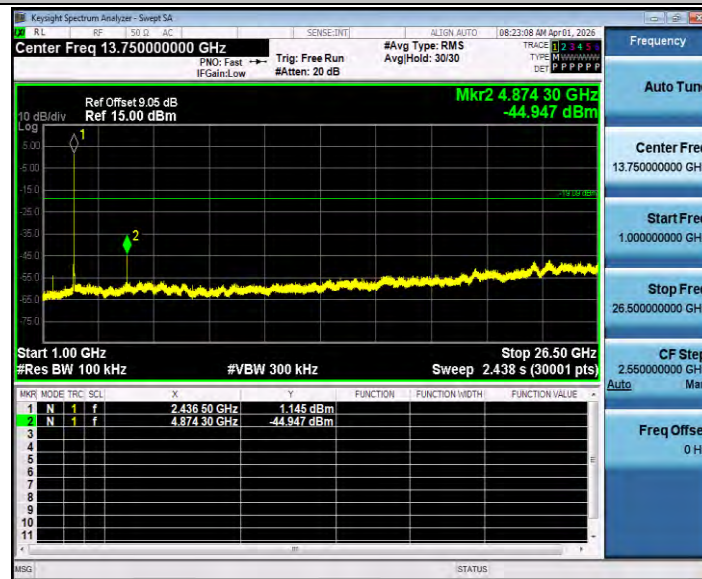
11B_Ant1_2437_0~Reference



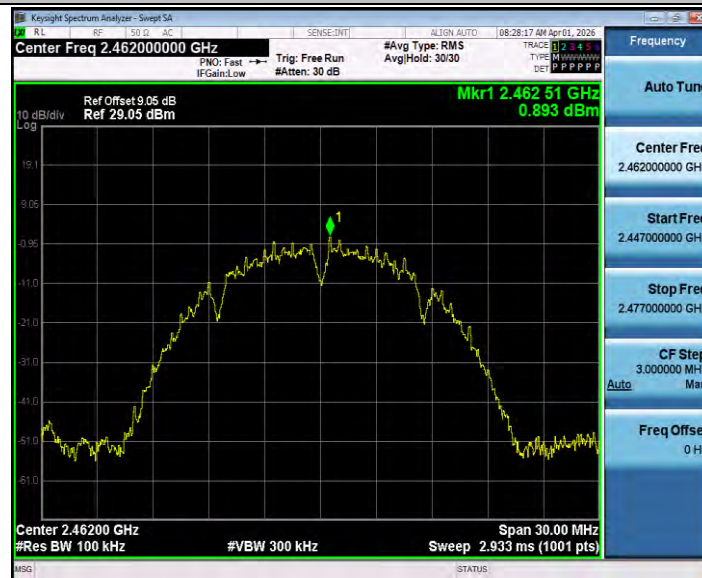
11B_Ant1_2437_30~1000



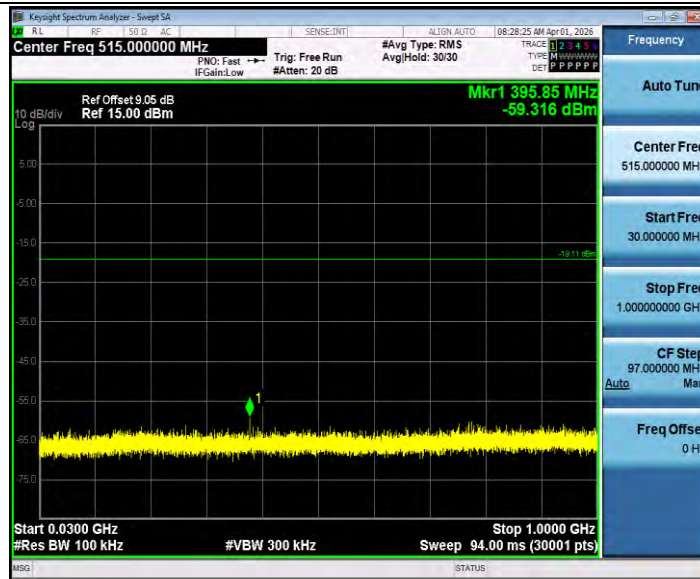
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

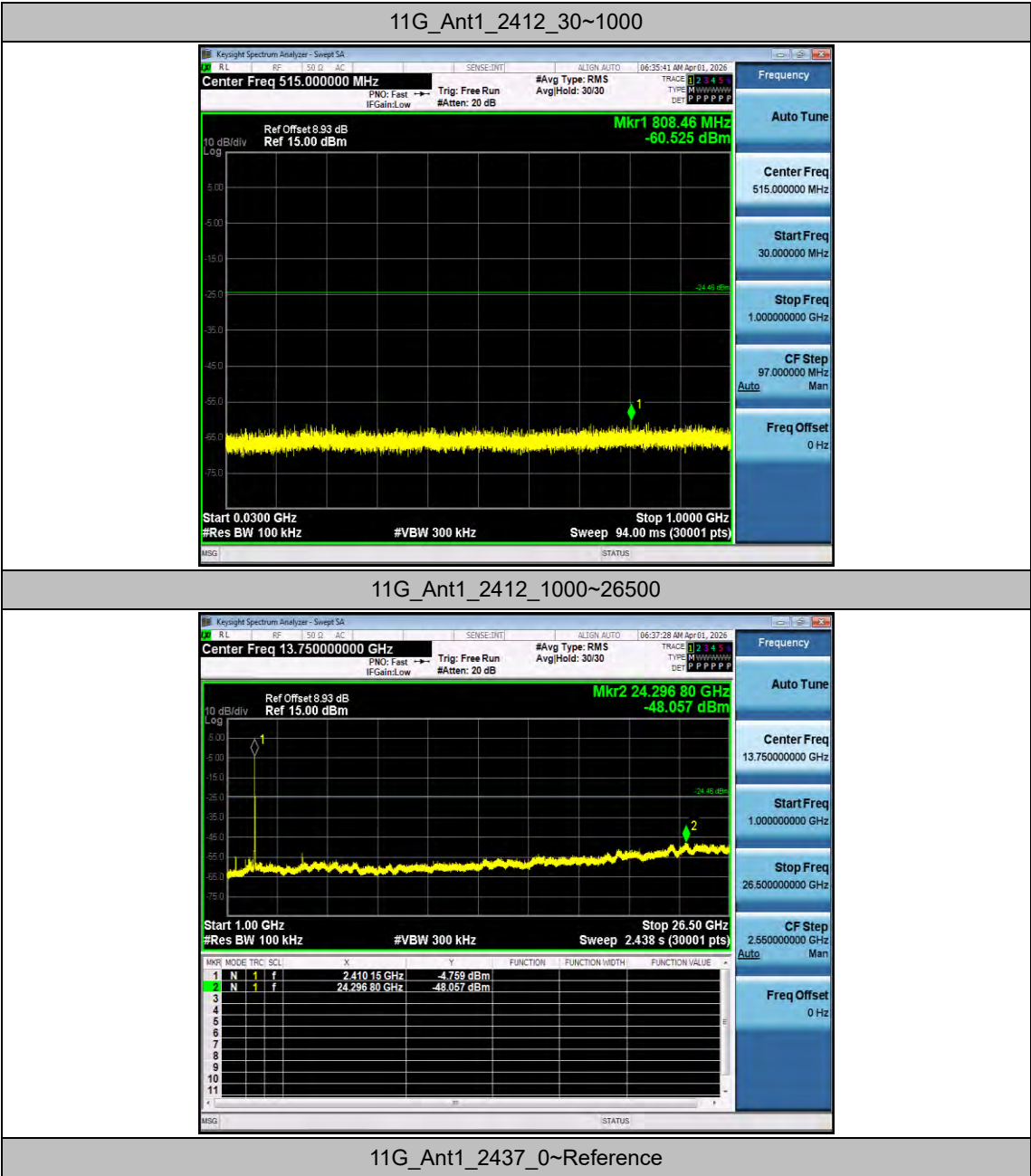


11B_Ant1_2462_1000~26500



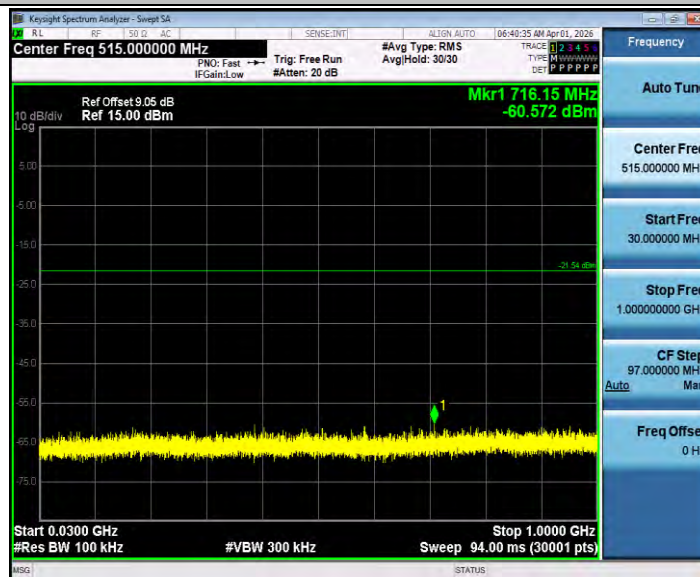
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



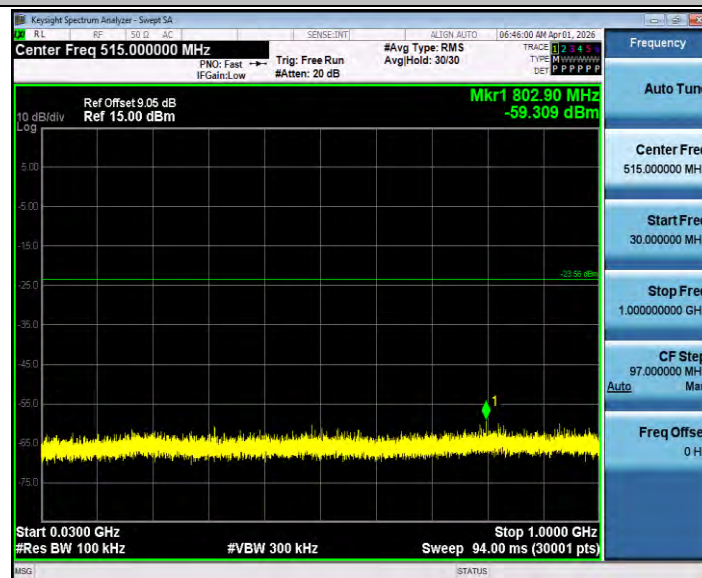
11G_Ant1_2437_1000~26500



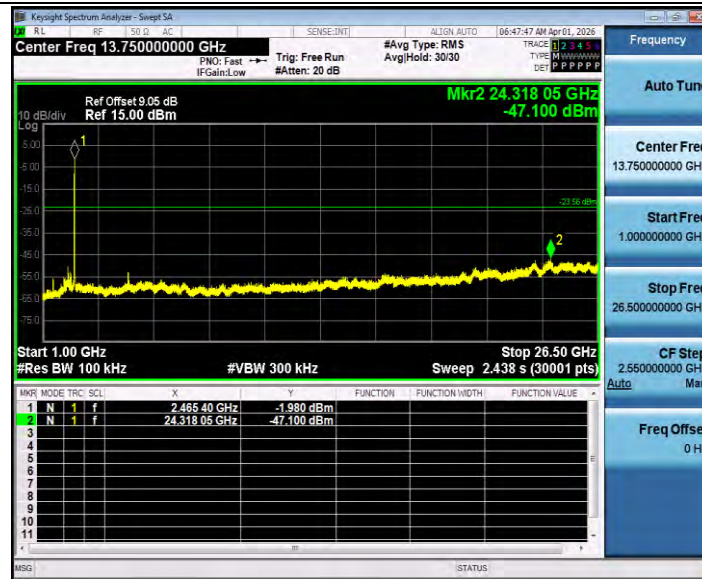
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



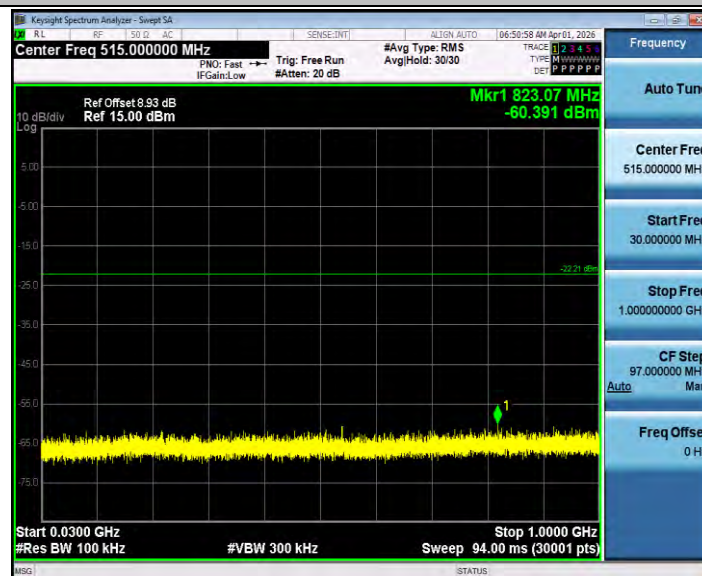
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000





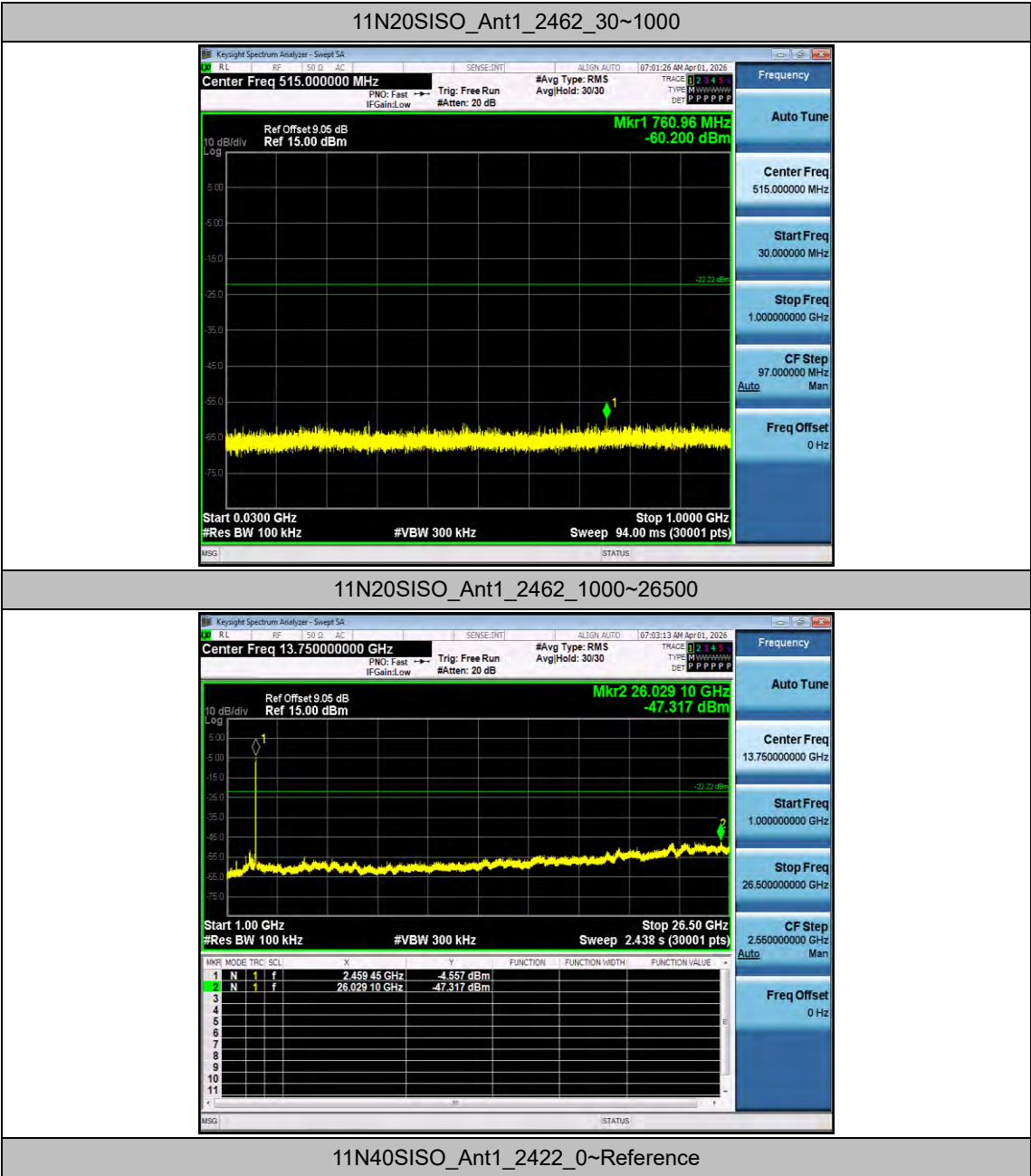


11N20SISO_Ant1_2437_1000~26500



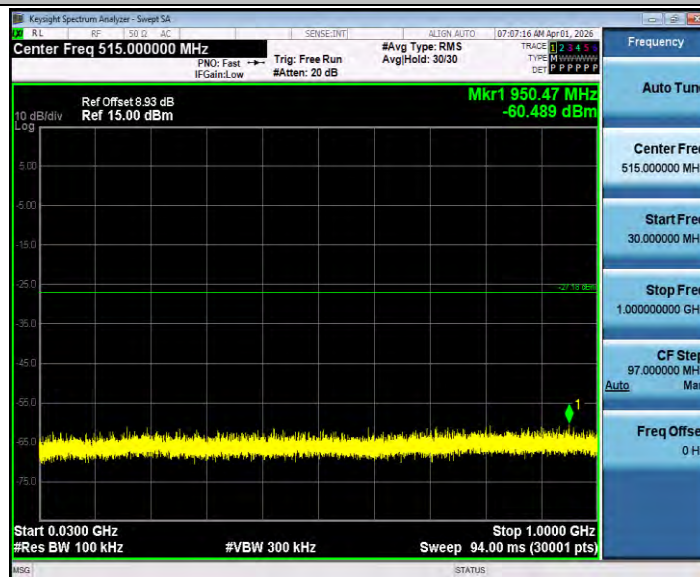
11N20SISO_Ant1_2462_0~Reference







11N40SISO_Ant1_2422_30~1000



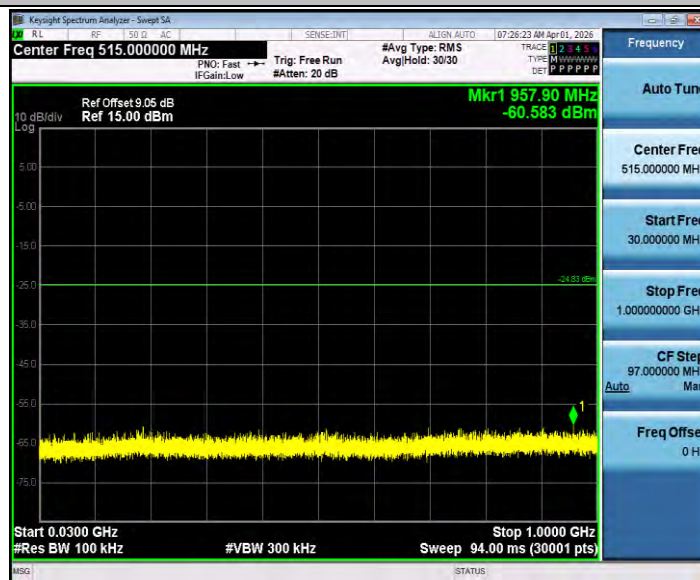
11N40SISO_Ant1_2422_1000~26500



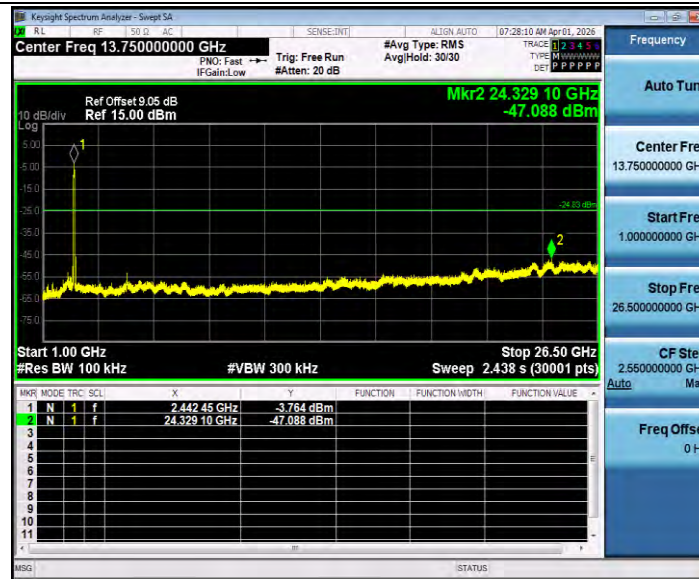
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



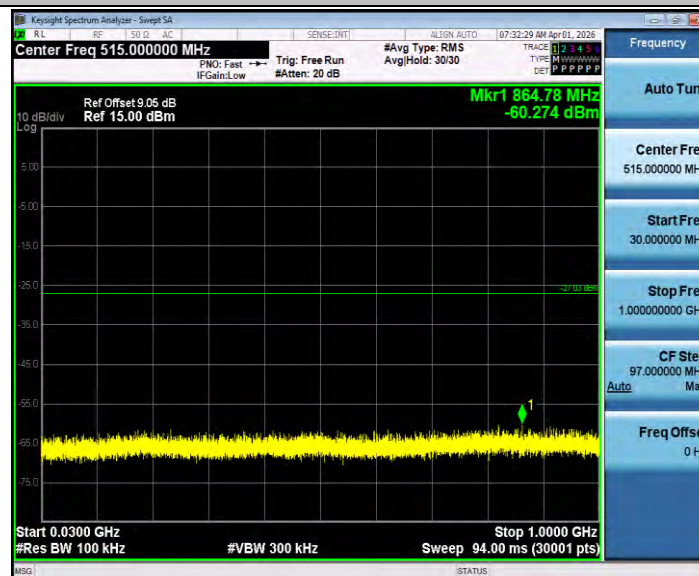
11N40SISO_Ant1_2437_1000~26500



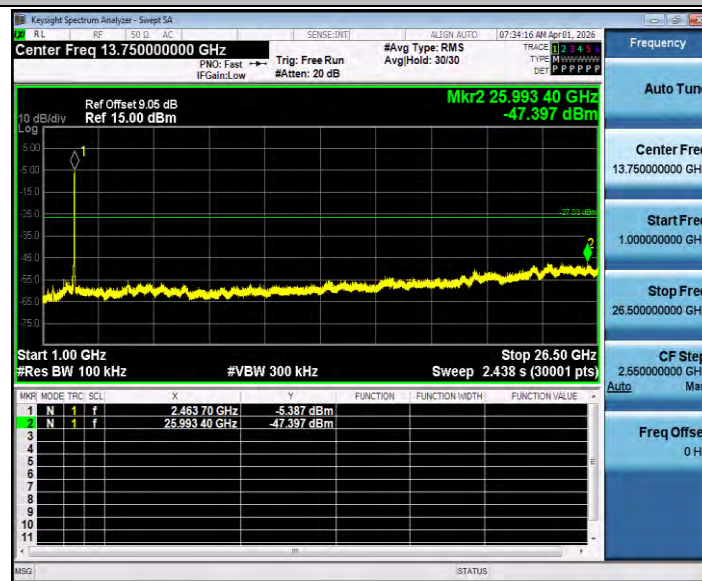
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



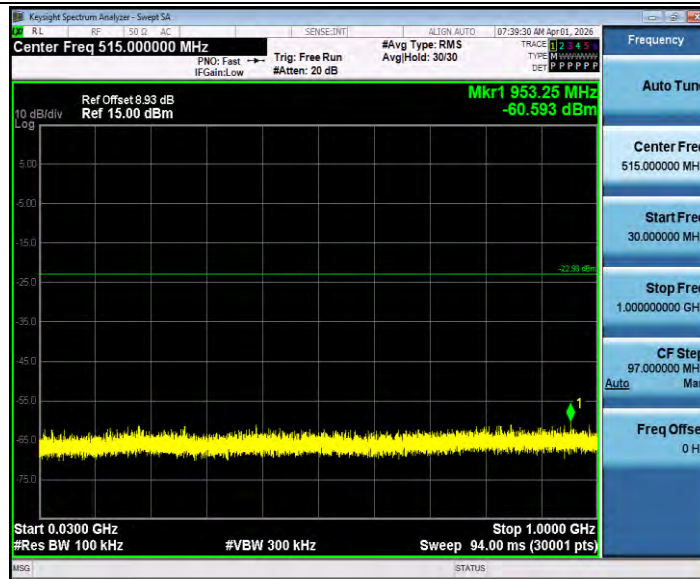
11N40SISO_Ant1_2452_1000~26500



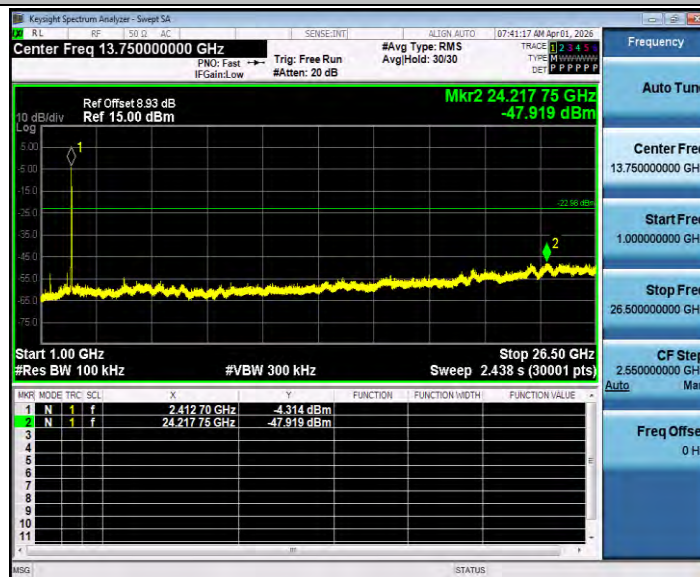
11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000

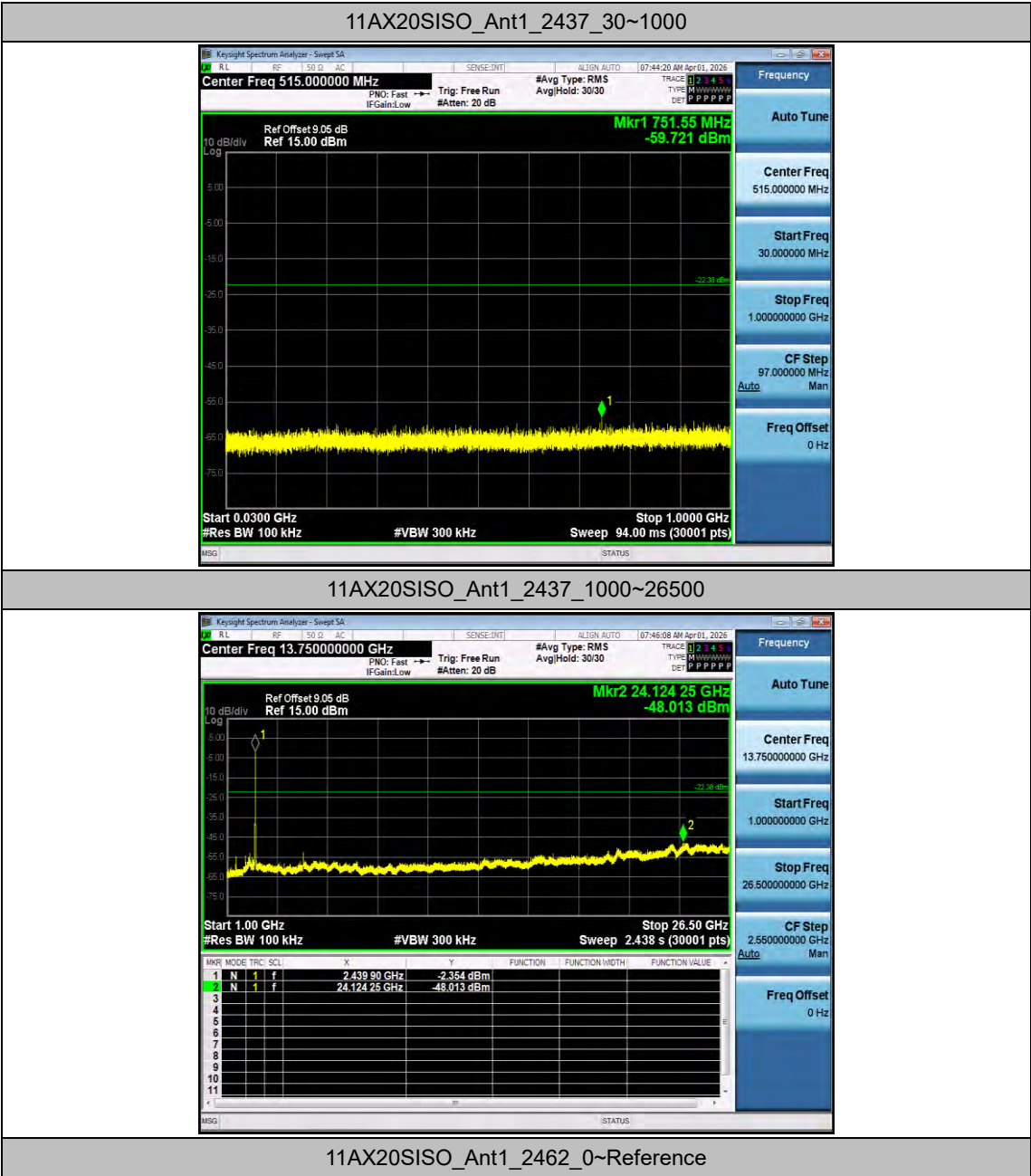


11AX20SISO_Ant1_2412_1000~26500



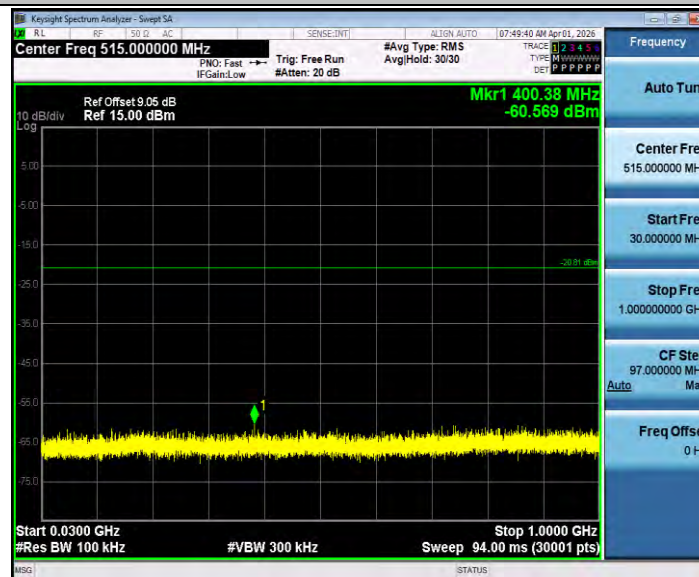
11AX20SISO_Ant1_2437_0~Reference







11AX20SISO_Ant1_2462_30~1000



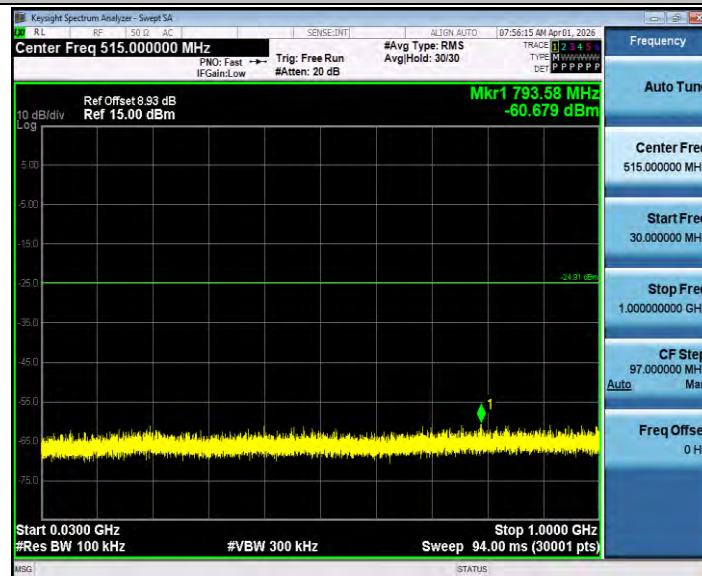
11AX20SISO_Ant1_2462_1000~26500



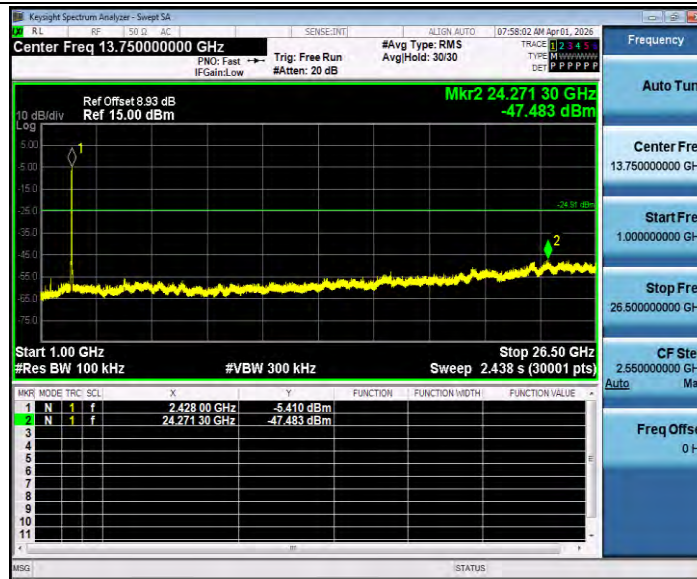
11AX40SISO_Ant1_2422_0~Reference



11AX40SISO_Ant1_2422_30~1000



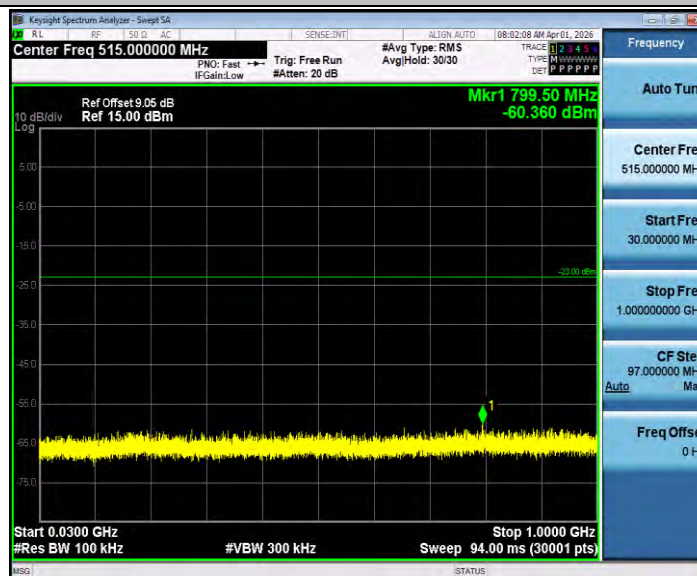
11AX40SISO_Ant1_2422_1000~26500

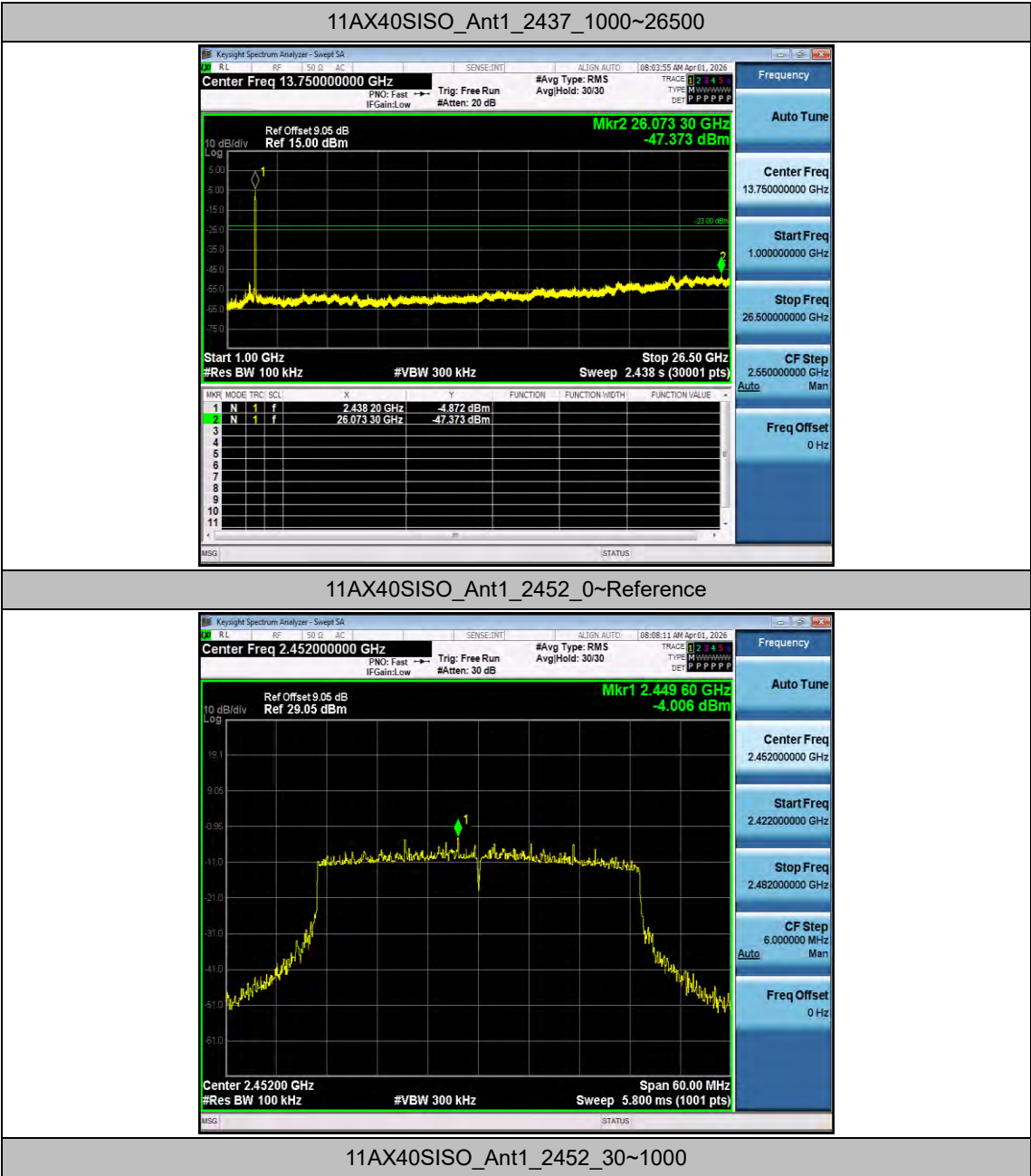


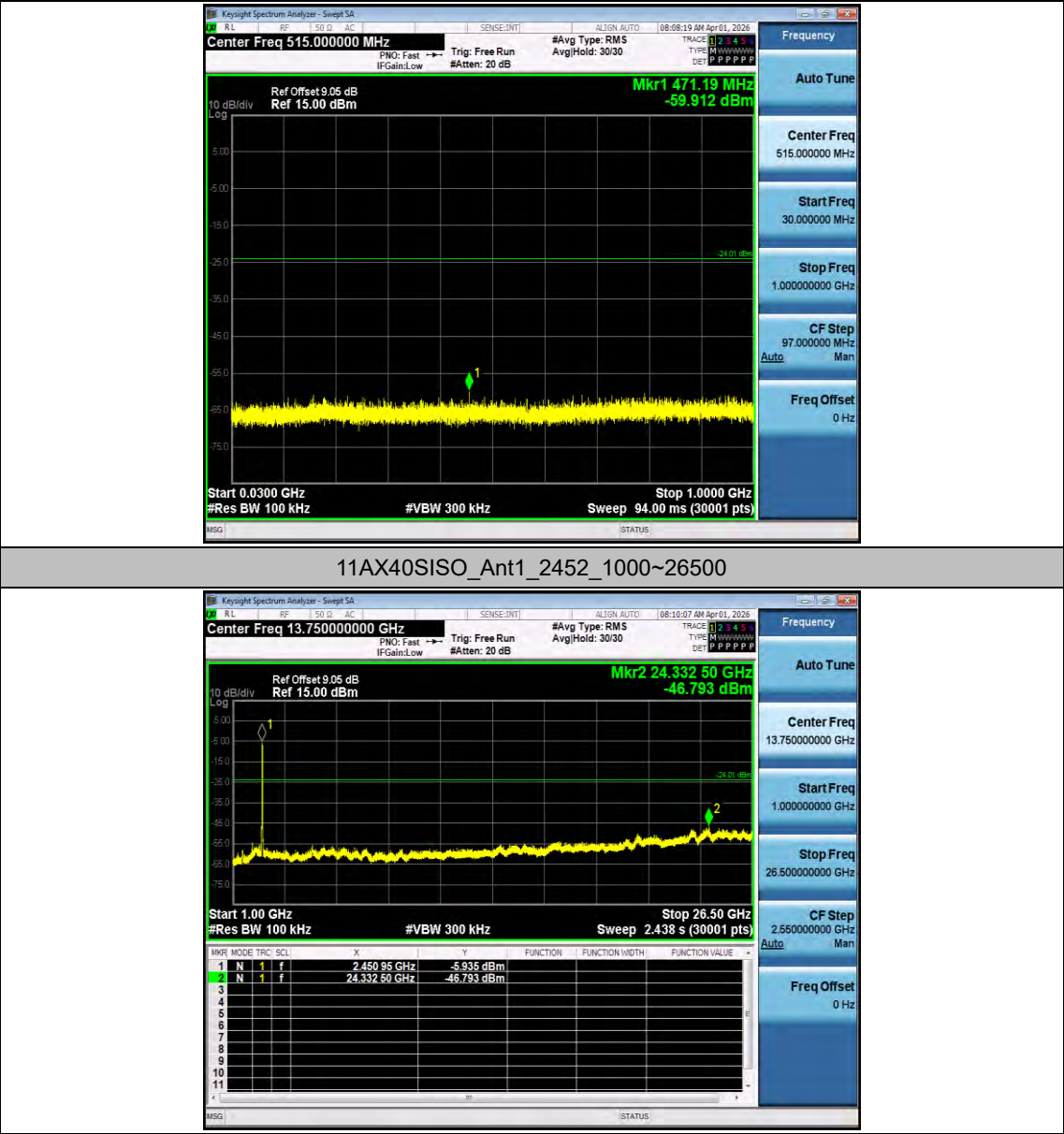
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000





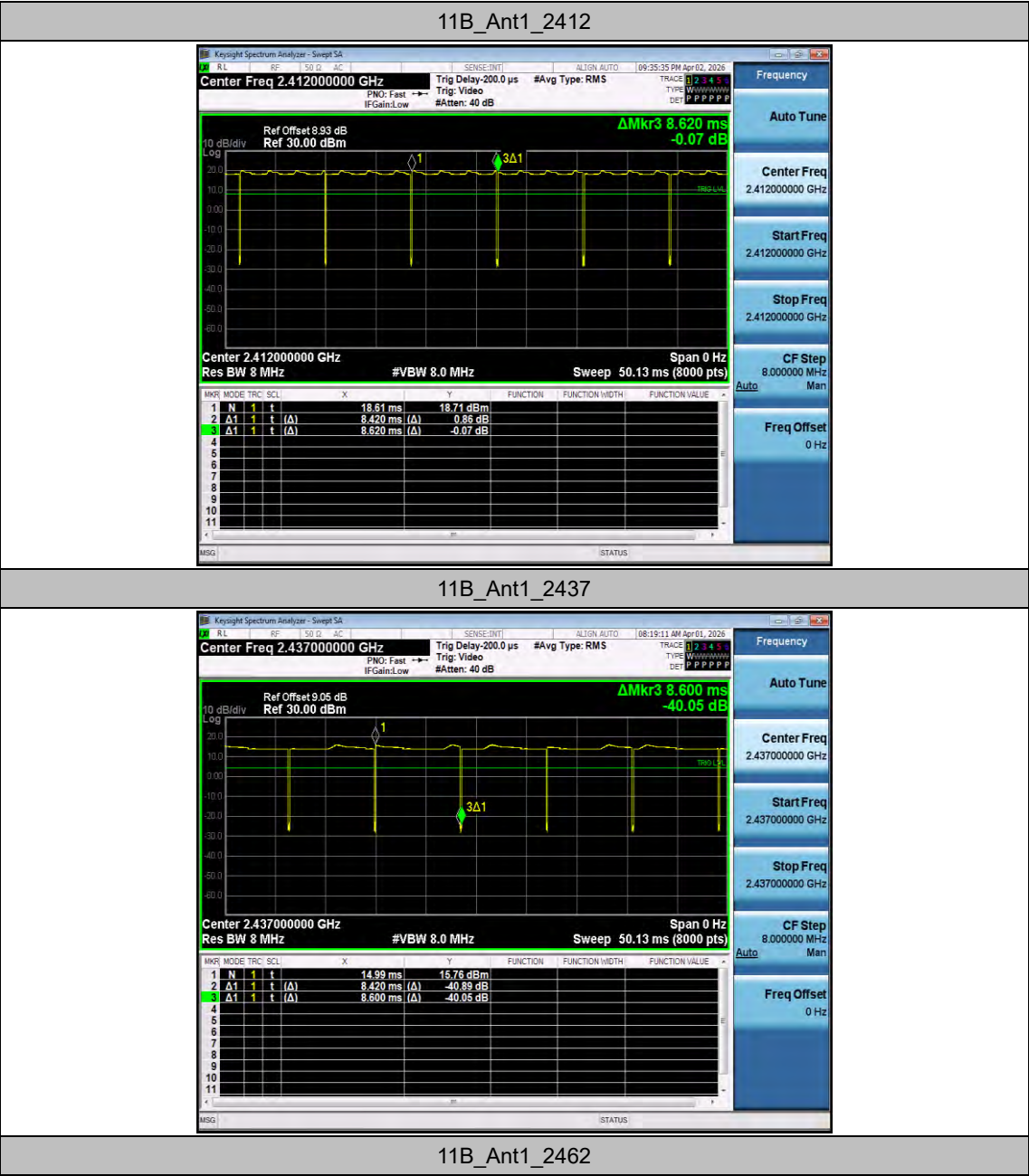


Appendix C.7: Duty Cycle

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	8.42	8.62	97.68	0.10	0.12
		2437	8.42	8.60	97.91	0.09	0.12
		2462	8.42	8.56	98.36	0.07	0.12
11G	Ant1	2412	1.40	1.56	89.74	0.47	0.71
		2437	1.39	1.61	86.34	0.64	0.72
		2462	1.40	1.58	88.61	0.53	0.71
11N20SISO	Ant1	2412	5.09	5.25	96.95	0.13	0.20
		2437	5.09	5.32	95.68	0.19	0.20
		2462	5.09	5.26	96.77	0.14	0.20
11N40SISO	Ant1	2422	3.87	4.01	96.51	0.15	0.26
		2437	4.90	5.13	95.52	0.20	0.20
		2452	4.89	5.11	95.69	0.19	0.20
11AX20SISO	Ant1	2412	3.87	4.04	95.79	0.19	0.26
		2437	3.88	4.12	94.17	0.26	0.26
		2462	3.88	4.05	95.80	0.19	0.26
11AX40SISO	Ant1	2422	3.87	4.08	94.85	0.23	0.26
		2437	3.87	4.08	94.85	0.23	0.26
		2452	3.87	4.11	94.16	0.26	0.26

Test Graphs



11B_Ant1_2437

Frequency

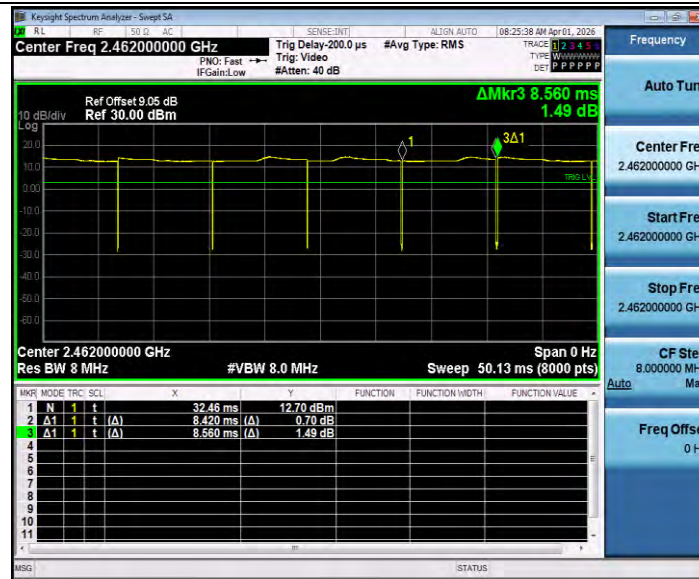
Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.437000000 GHzStop Freq
2.437000000 GHzCF Step
8.000000 MHz

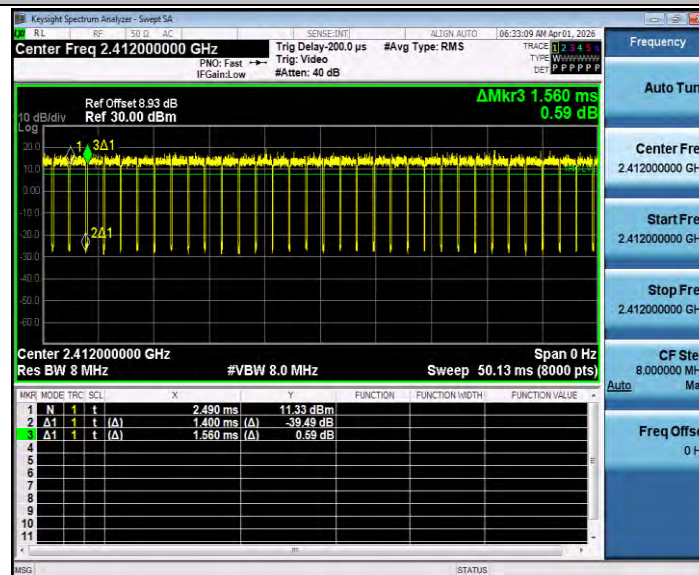
Man

Freq Offset
0 Hz

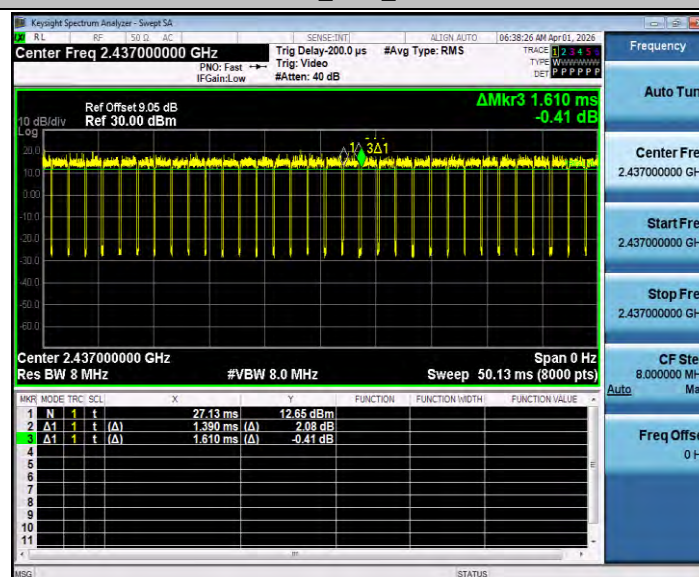
11B_Ant1_2462

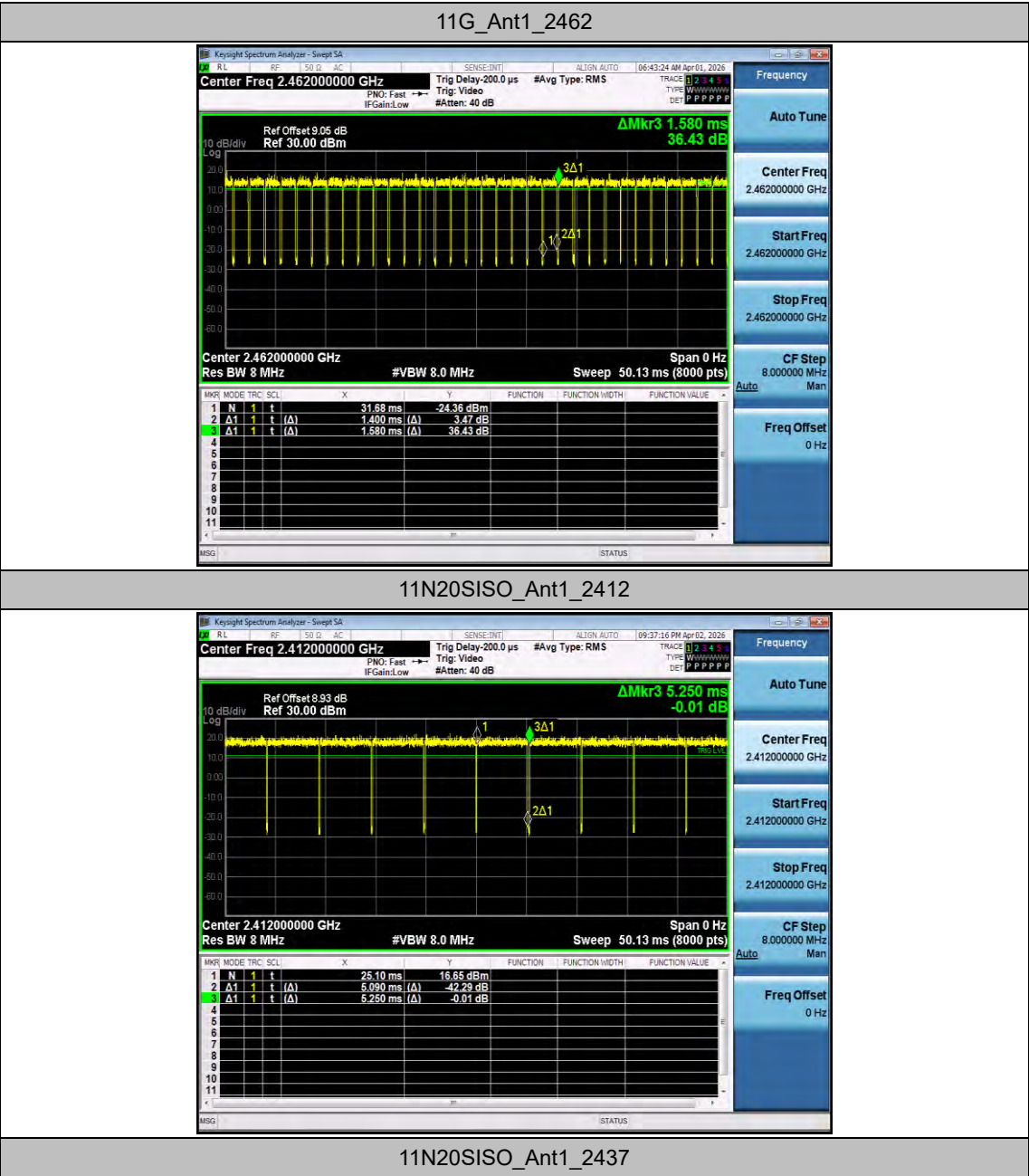


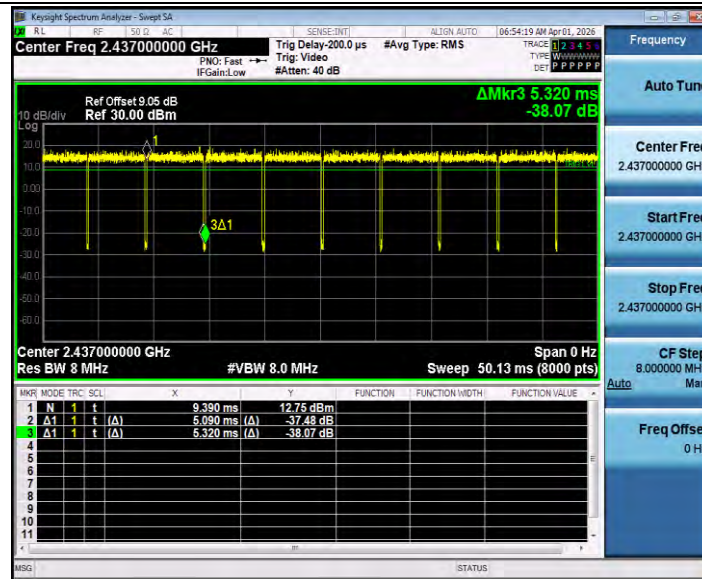
11G_Ant1_2412



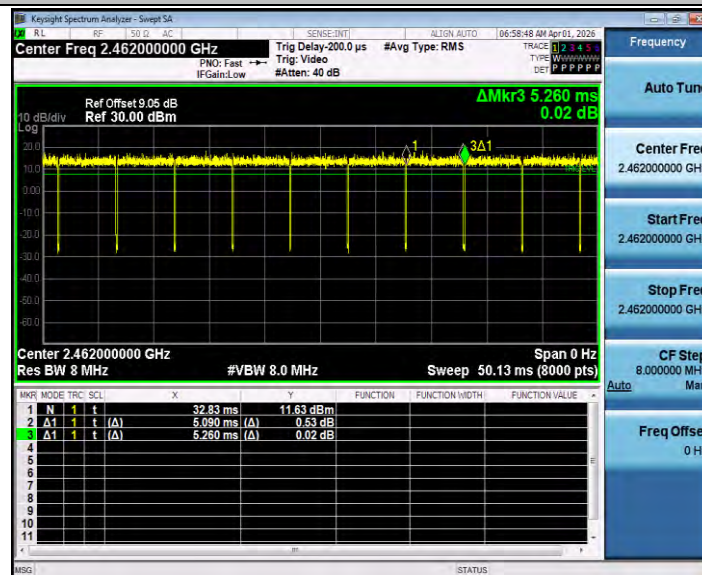
11G_Ant1_2437



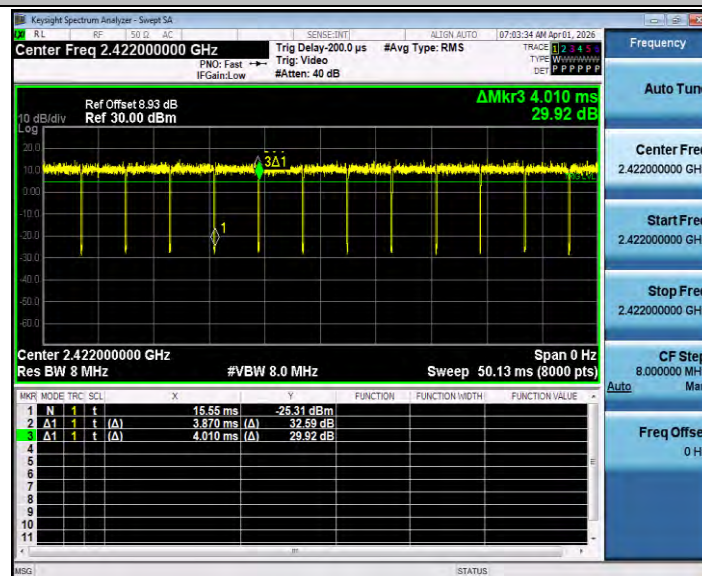


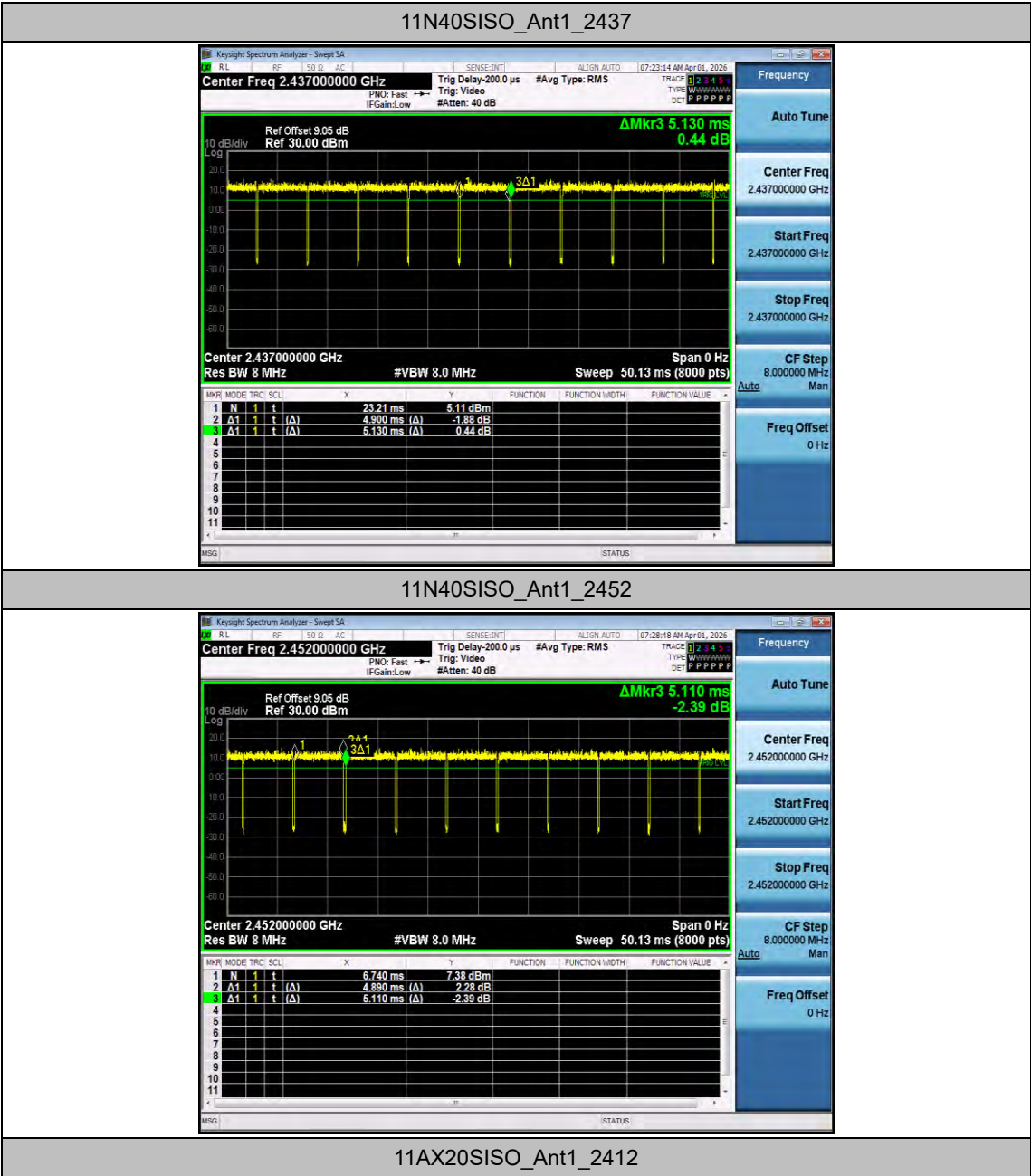


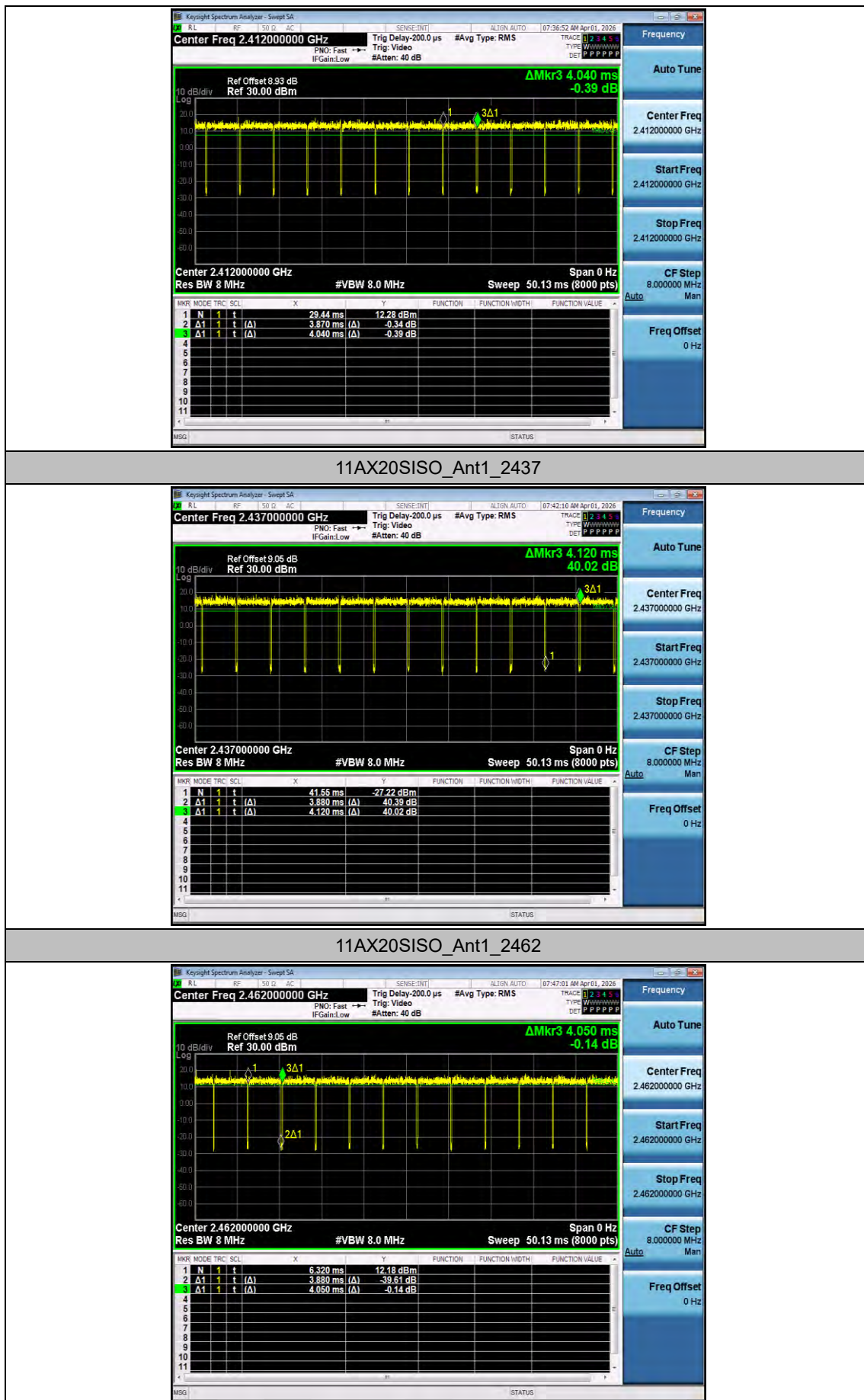
11N20SISO_Ant1_2462

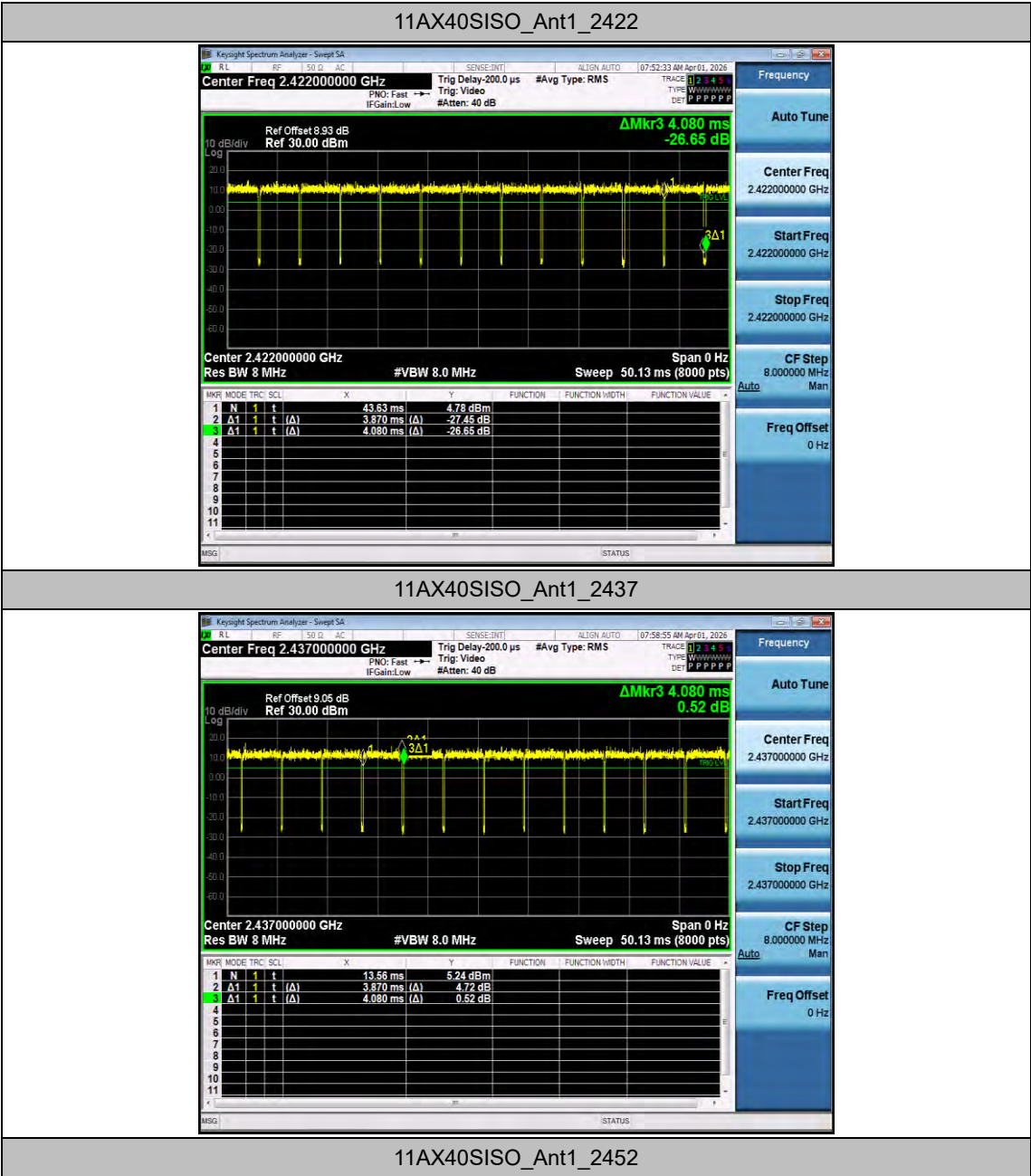


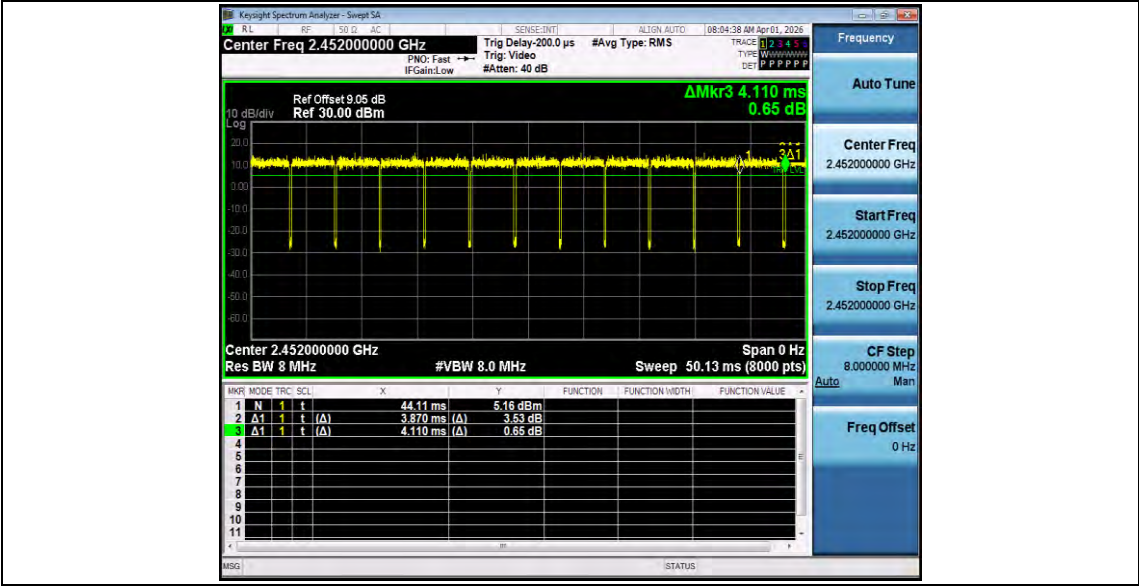
11N40SISO_Ant1_2422











Appendix C.8:Emissions in Restricted Bands

Test Result

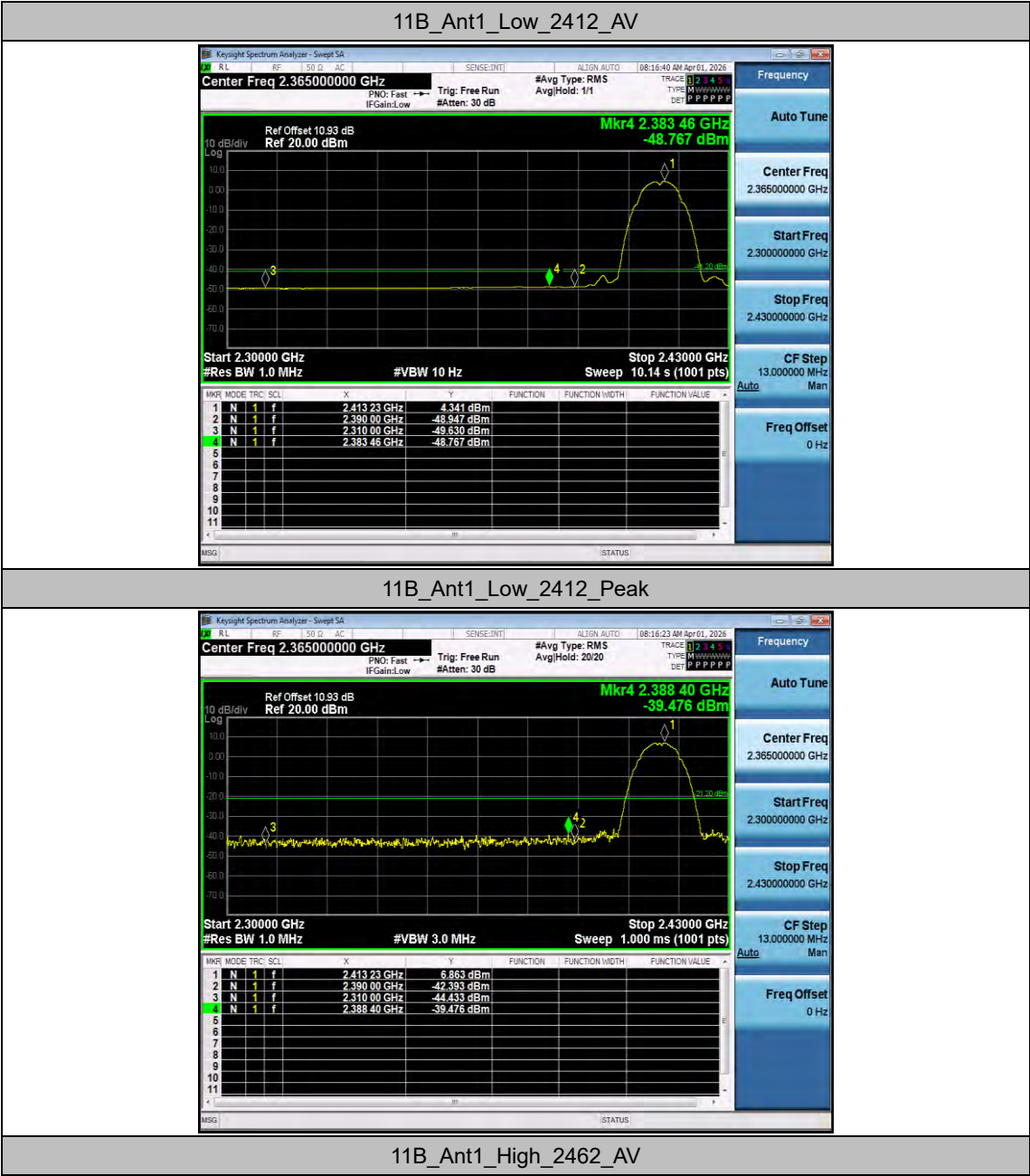
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.63	≤-41.20	45.57	≤54	PASS
				AV	2383.460	-48.77	≤-41.20	46.43	≤54	PASS
				AV	2390.000	-48.95	≤-41.20	46.25	≤54	PASS
				Peak	2310.000	-44.43	≤-21.20	50.77	≤74	PASS
				Peak	2388.400	-39.48	≤-21.20	55.72	≤74	PASS
				Peak	2390.000	-42.39	≤-21.20	52.81	≤74	PASS
		High	2462	AV	2483.500	-48.78	≤-41.20	46.42	≤54	PASS
				AV	2499.620	-48.57	≤-41.20	46.63	≤54	PASS
				AV	2500.000	-48.6	≤-41.20	46.60	≤54	PASS
				Peak	2483.500	-44.52	≤-21.20	50.68	≤74	PASS
				Peak	2499.290	-40.05	≤-21.20	55.15	≤74	PASS
				Peak	2500.000	-40.6	≤-21.20	54.60	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.55	≤-41.20	45.65	≤54	PASS
				AV	2389.960	-45.96	≤-41.20	49.24	≤54	PASS
				AV	2390.000	-45.96	≤-41.20	49.24	≤54	PASS
				Peak	2310.000	-46.45	≤-21.20	48.75	≤74	PASS
				Peak	2389.310	-36.78	≤-21.20	58.42	≤74	PASS
				Peak	2390.000	-39.8	≤-21.20	55.40	≤74	PASS
		High	2462	AV	2483.500	-46.31	≤-41.20	48.89	≤54	PASS
				AV	2483.560	-46.2	≤-41.20	49.00	≤54	PASS
				AV	2500.000	-48.45	≤-41.20	46.75	≤54	PASS
				Peak	2483.500	-36.89	≤-21.20	58.31	≤74	PASS
				Peak	2485.650	-40.49	≤-21.20	54.71	≤74	PASS
				Peak	2500.000	-46.22	≤-21.20	48.98	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.46	≤-41.20	45.74	≤54	PASS
				AV	2389.960	-45.8	≤-41.20	49.40	≤54	PASS
				AV	2390.000	-45.8	≤-41.20	49.40	≤54	PASS
				Peak	2310.000	-41.94	≤-21.20	53.26	≤74	PASS
				Peak	2389.570	-34.24	≤-21.20	60.96	≤74	PASS
				Peak	2390.000	-34.75	≤-21.20	60.45	≤74	PASS
		High	2462	AV	2483.500	-46	≤-41.20	49.20	≤54	PASS
				AV	2483.670	-46.2	≤-41.20	49.00	≤54	PASS
				AV	2500.000	-48.52	≤-41.20	46.68	≤54	PASS
				Peak	2483.500	-38.19	≤-21.20	57.01	≤74	PASS
				Peak	2484.330	-33.37	≤-21.20	61.83	≤74	PASS
				Peak	2500.000	-42.11	≤-21.20	53.09	≤74	PASS

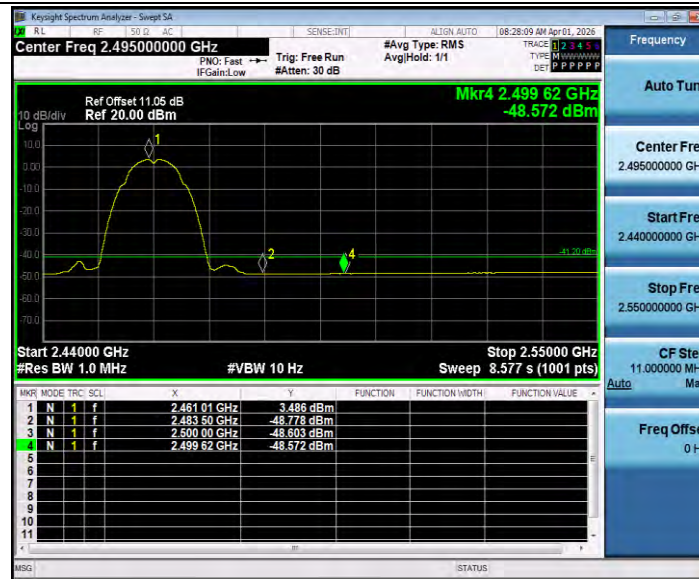
11N40SISO	Ant1	Low	2422	AV	2310.000	-49.48	≤ -41.20	45.72	≤ 54	PASS
				AV	2389.850	-46.49	≤ -41.20	48.71	≤ 54	PASS
				AV	2390.000	-46.35	≤ -41.20	48.85	≤ 54	PASS
				Peak	2310.000	-42.56	≤ -21.20	52.64	≤ 74	PASS
				Peak	2382.500	-37.05	≤ -21.20	58.15	≤ 74	PASS
				Peak	2390.000	-40.39	≤ -21.20	54.81	≤ 74	PASS
		High	2452	AV	2483.500	-46.72	≤ -41.20	48.48	≤ 54	PASS
				AV	2483.625	-46.87	≤ -41.20	48.33	≤ 54	PASS
				AV	2500.000	-48.43	≤ -41.20	46.77	≤ 54	PASS
				Peak	2483.500	-38.98	≤ -21.20	56.22	≤ 74	PASS
				Peak	2483.750	-32.09	≤ -21.20	63.11	≤ 74	PASS
				Peak	2500.000	-43.61	≤ -21.20	51.59	≤ 74	PASS
11AX20SISO	Ant1	Low	2412	AV	2310.000	-49.5	≤ -41.20	45.70	≤ 54	PASS
				AV	2389.960	-46.92	≤ -41.20	48.28	≤ 54	PASS
				AV	2390.000	-46.92	≤ -41.20	48.28	≤ 54	PASS
				Peak	2310.000	-42.78	≤ -21.20	52.42	≤ 74	PASS
				Peak	2389.960	-32.77	≤ -21.20	62.43	≤ 74	PASS
				Peak	2390.000	-32.77	≤ -21.20	62.43	≤ 74	PASS
		High	2462	AV	2483.500	-47.21	≤ -41.20	47.99	≤ 54	PASS
				AV	2483.670	-47.09	≤ -41.20	48.11	≤ 54	PASS
				AV	2500.000	-48.33	≤ -41.20	46.87	≤ 54	PASS
				Peak	2483.500	-34.33	≤ -21.20	60.87	≤ 74	PASS
				Peak	2483.560	-33.67	≤ -21.20	61.53	≤ 74	PASS
				Peak	2500.000	-42.94	≤ -21.20	52.26	≤ 74	PASS
11AX40SISO	Ant1	Low	2422	AV	2310.000	-49.69	≤ -41.20	45.51	≤ 54	PASS
				AV	2389.550	-46.86	≤ -41.20	48.34	≤ 54	PASS
				AV	2390.000	-46.76	≤ -41.20	48.44	≤ 54	PASS
				Peak	2310.000	-44.89	≤ -21.20	50.31	≤ 74	PASS
				Peak	2386.550	-33.59	≤ -21.20	61.61	≤ 74	PASS
				Peak	2390.000	-36.96	≤ -21.20	58.24	≤ 74	PASS
		High	2452	AV	2483.500	-46.83	≤ -41.20	48.37	≤ 54	PASS
				AV	2483.875	-46.86	≤ -41.20	48.34	≤ 54	PASS
				AV	2500.000	-48.67	≤ -41.20	46.53	≤ 54	PASS
				Peak	2483.500	-41.01	≤ -21.20	54.19	≤ 74	PASS
				Peak	2484.375	-38.75	≤ -21.20	56.45	≤ 74	PASS
				Peak	2500.000	-42.36	≤ -21.20	52.84	≤ 74	PASS

Note:

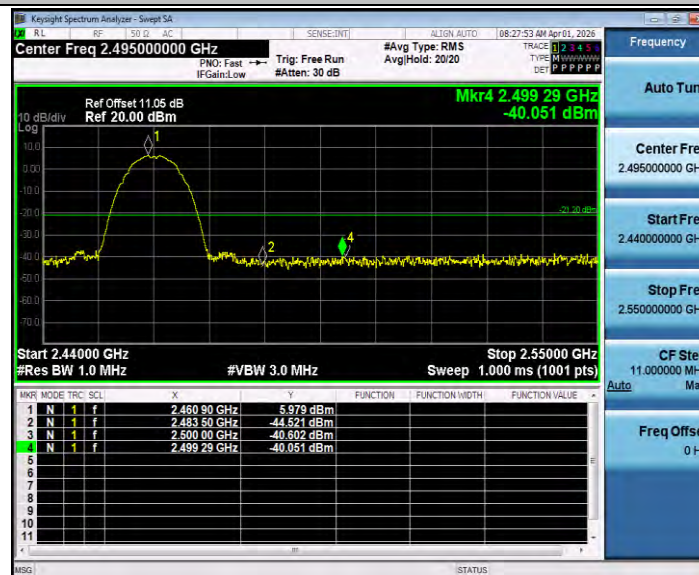
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs



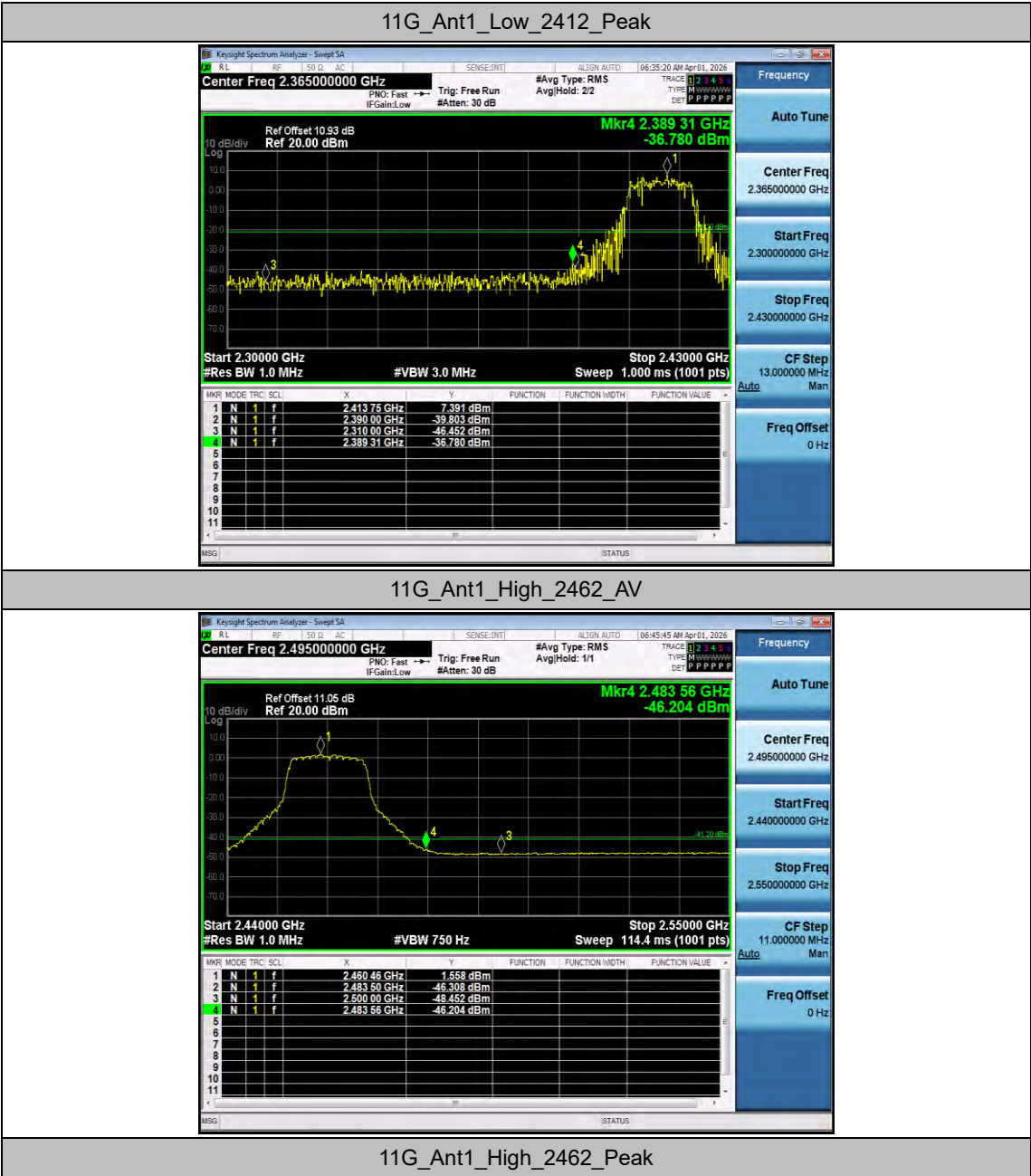


11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



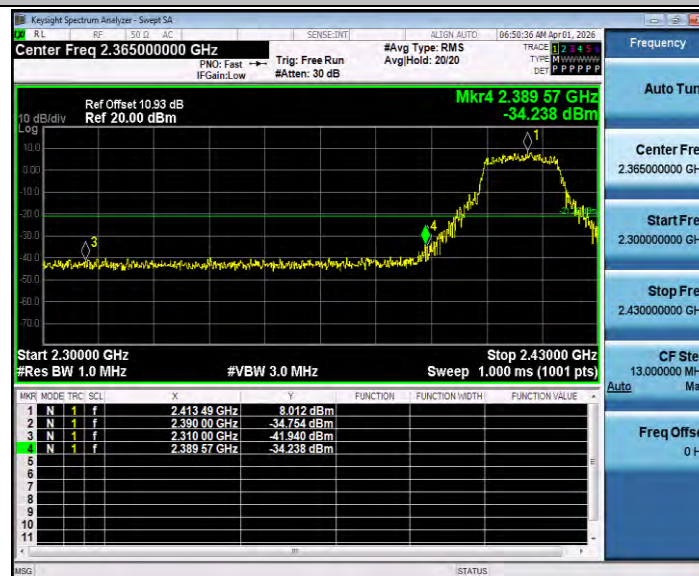




11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak







11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak



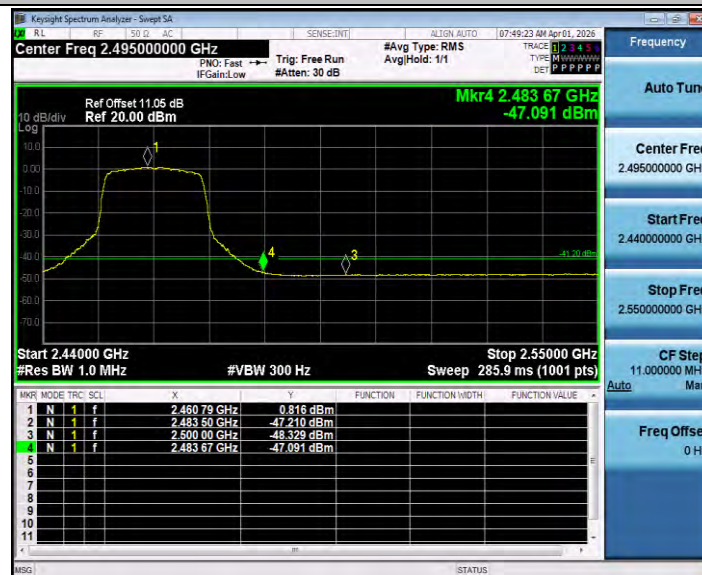
11AX20SISO_Ant1_Low_2412_AV



11AX20SISO_Ant1_Low_2412_Peak



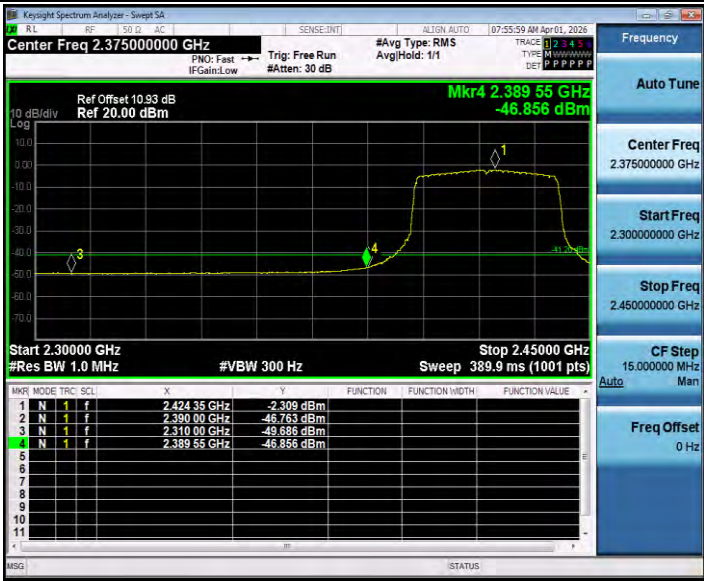
11AX20SISO_Ant1_High_2462_AV



11AX20SISO_Ant1_High_2462_Peak



11AX40SISO_Ant1_Low_2422_AV



11AX40SISO_Ant1_Low_2422_Peak



11AX40SISO_Ant1_High_2452_AV

