

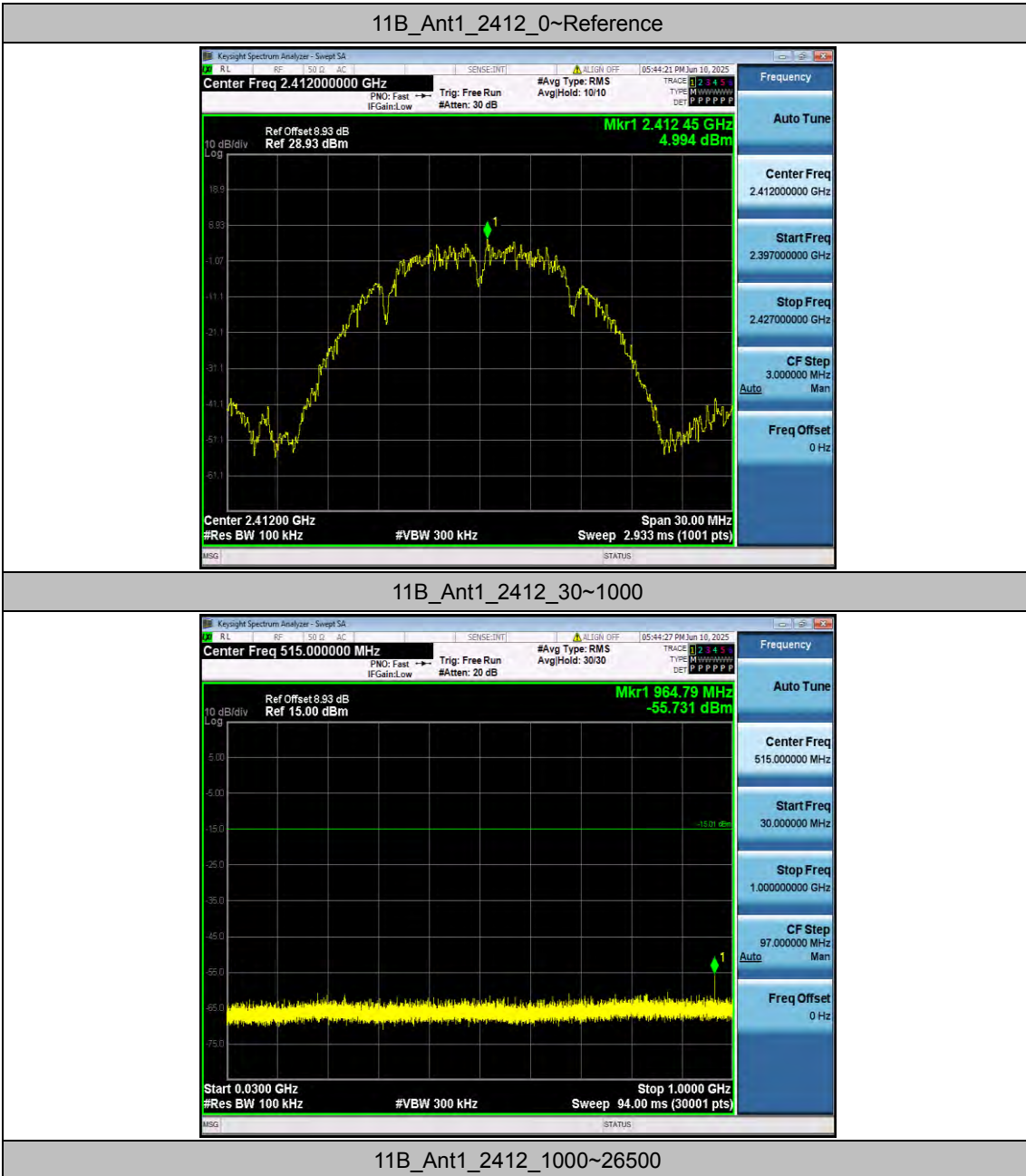
## Appendix C.6: Conducted Spurious Emission

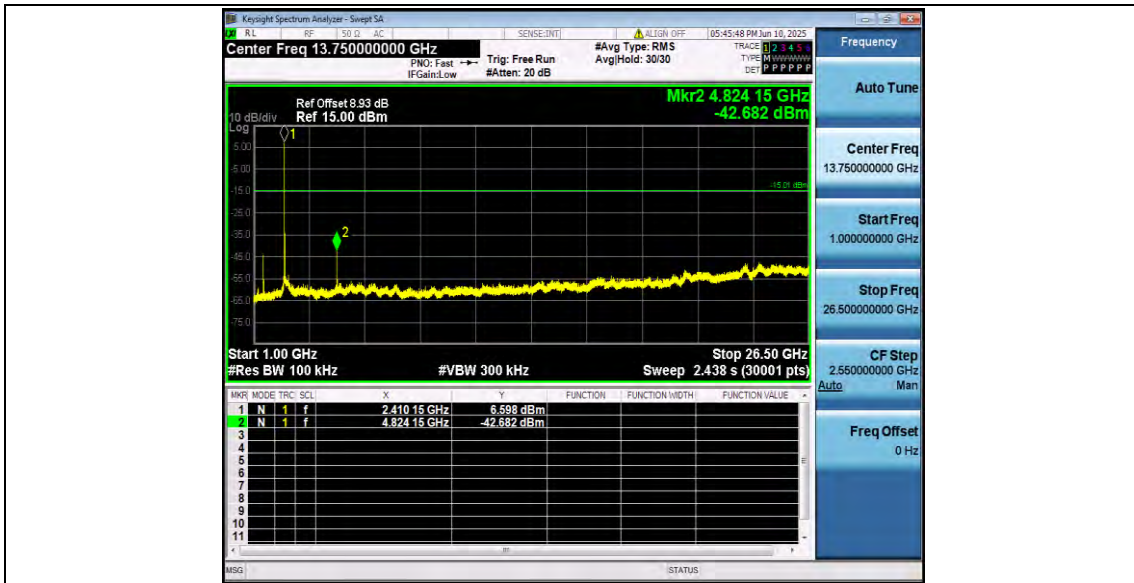
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.99	4.99	---	PASS
			30~1000	4.99	-55.73	≤-15.01	PASS
			1000~26500	4.99	-42.68	≤-15.01	PASS
		2437	Reference	5.70	5.70	---	PASS
			30~1000	5.70	-56.19	≤-14.3	PASS
			1000~26500	5.70	-41.21	≤-14.3	PASS
		2462	Reference	7.87	7.87	---	PASS
			30~1000	7.87	-55.07	≤-12.13	PASS
			1000~26500	7.87	-38.31	≤-12.13	PASS
11G	Ant1	2412	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-60.63	≤-20.05	PASS
			1000~26500	-0.05	-47.39	≤-20.05	PASS
		2437	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-59.96	≤-21.97	PASS
			1000~26500	-1.97	-47.82	≤-21.97	PASS
		2462	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-60.71	≤-21.61	PASS
			1000~26500	-1.61	-47.54	≤-21.61	PASS
11N20SISO	Ant1	2412	Reference	-3.65	-3.65	---	PASS
			30~1000	-3.65	-60.61	≤-23.65	PASS
			1000~26500	-3.65	-47.31	≤-23.65	PASS
		2437	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-60.5	≤-24.19	PASS
			1000~26500	-4.19	-47.35	≤-24.19	PASS
		2462	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-60.21	≤-21.74	PASS
			1000~26500	-1.74	-46.95	≤-21.74	PASS
11N40SISO	Ant1	2422	Reference	-6.98	-6.98	---	PASS
			30~1000	-6.98	-60.98	≤-26.98	PASS
			1000~26500	-6.98	-47.09	≤-26.98	PASS
		2437	Reference	-5.27	-5.27	---	PASS
			30~1000	-5.27	-60.27	≤-25.27	PASS
			1000~26500	-5.27	-48.15	≤-25.27	PASS
		2452	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-60.64	≤-25.14	PASS
			1000~26500	-5.14	-47.7	≤-25.14	PASS

11AX20SISO	Ant1	2412	Reference	-4.48	-4.48	---	PASS
			30~1000	-4.48	-59.76	$\leq -24.48$	PASS
			1000~26500	-4.48	-47.64	$\leq -24.48$	PASS
		2437	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-59.59	$\leq -23.38$	PASS
			1000~26500	-3.38	-47.48	$\leq -23.38$	PASS
		2462	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-60.22	$\leq -23.72$	PASS
			1000~26500	-3.72	-47.06	$\leq -23.72$	PASS
11AX40SISO	Ant1	2422	Reference	-6.05	-6.05	---	PASS
			30~1000	-6.05	-60.53	$\leq -26.05$	PASS
			1000~26500	-6.05	-46.2	$\leq -26.05$	PASS
		2437	Reference	-4.80	-4.80	---	PASS
			30~1000	-4.80	-59.93	$\leq -24.8$	PASS
			1000~26500	-4.80	-47.53	$\leq -24.8$	PASS
		2452	Reference	-5.65	-5.65	---	PASS
			30~1000	-5.65	-60.5	$\leq -25.65$	PASS
			1000~26500	-5.65	-47.89	$\leq -25.65$	PASS

## Test Graphs

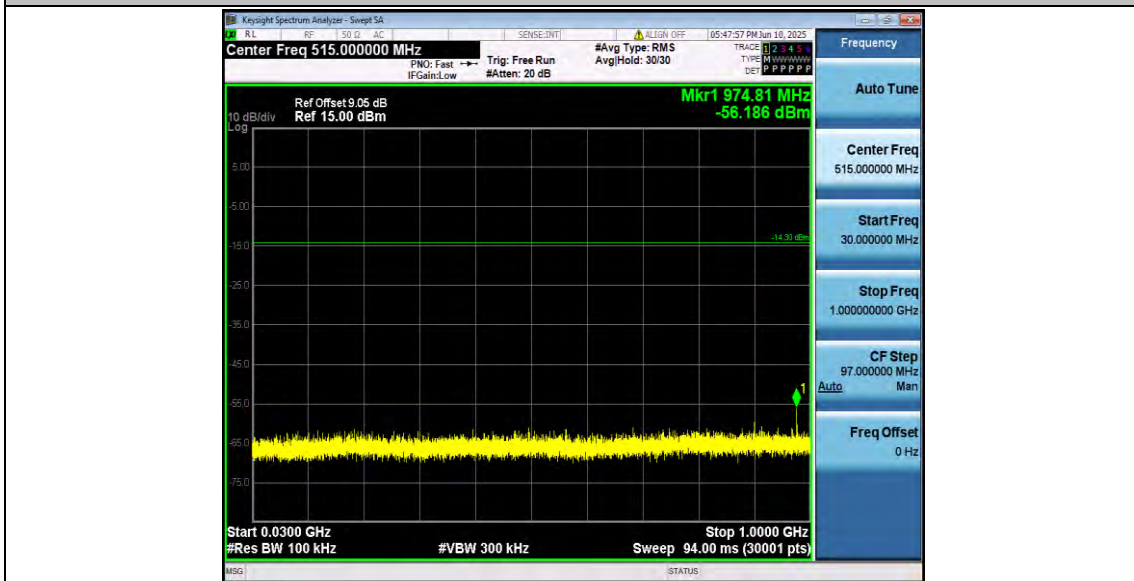




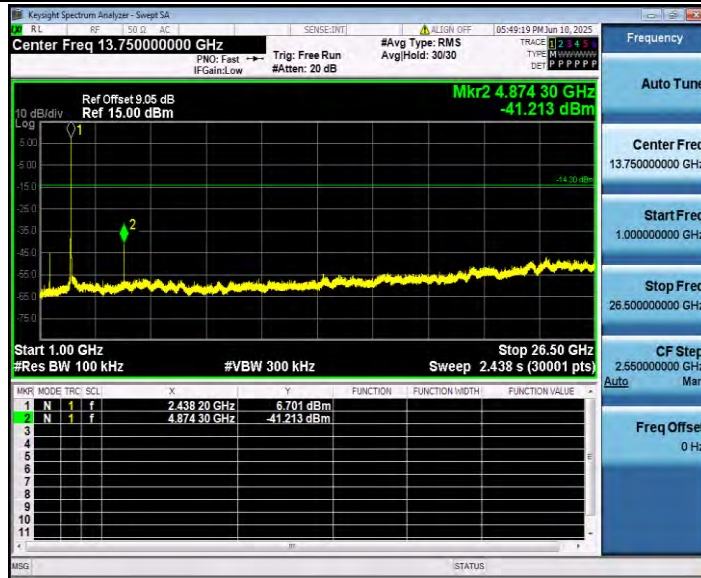
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



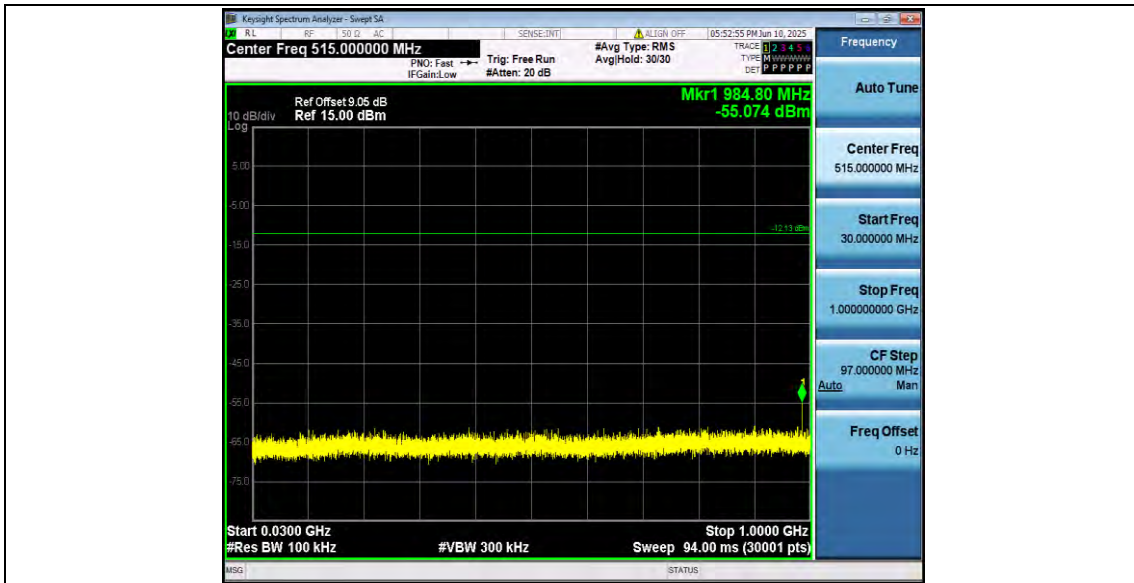
11B\_Ant1\_2437\_1000~26500



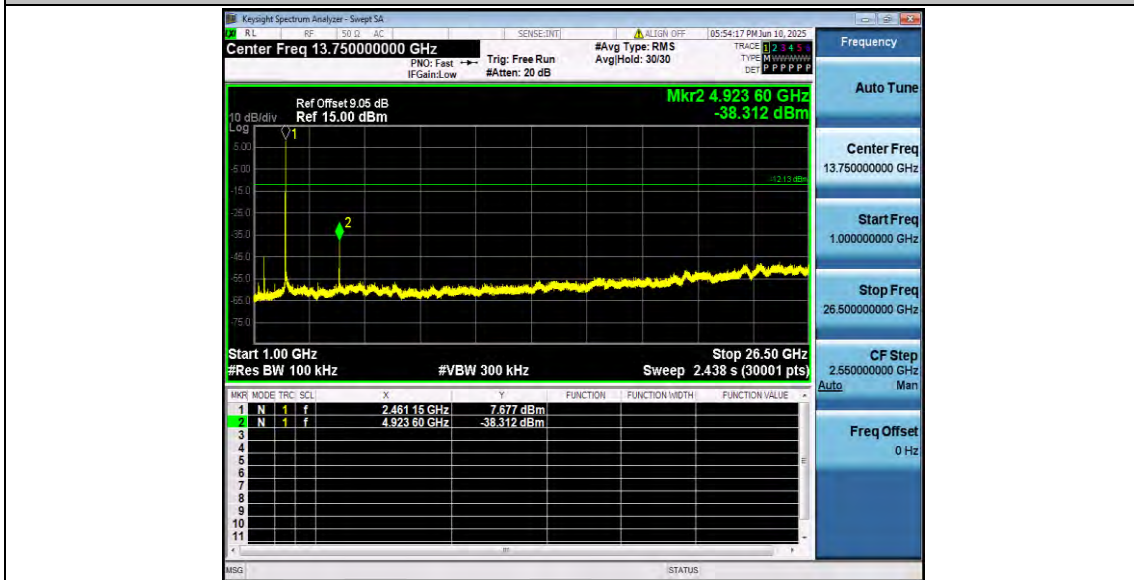
11B\_Ant1\_2462\_0~Reference



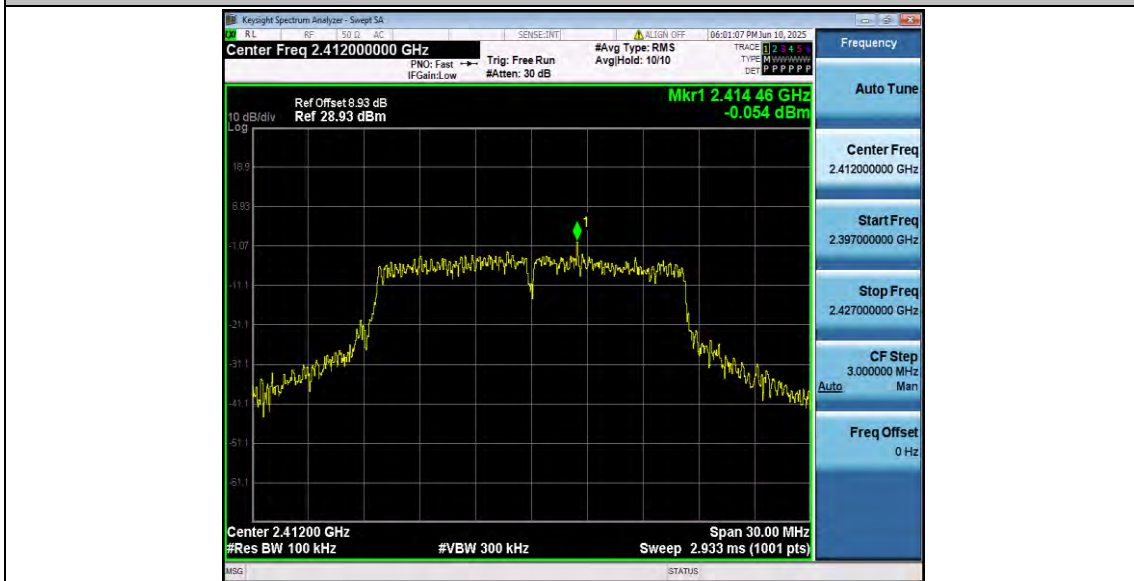
11B\_Ant1\_2462\_30~1000



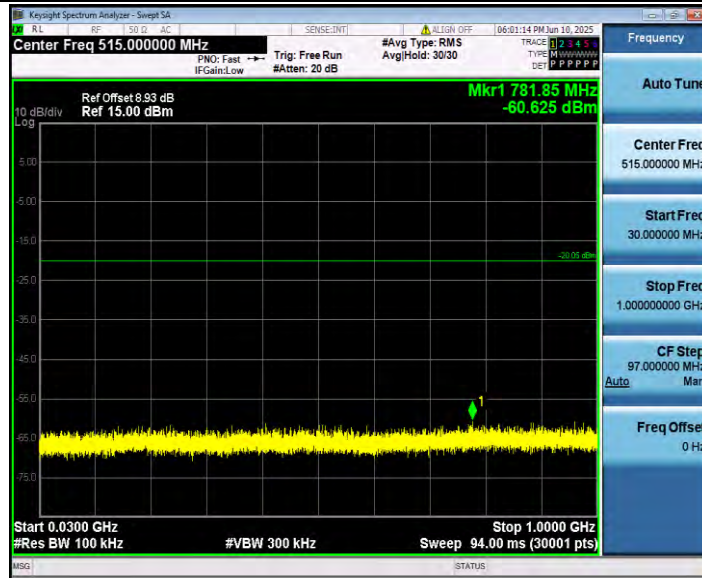
11B\_Ant1\_2462\_1000~26500



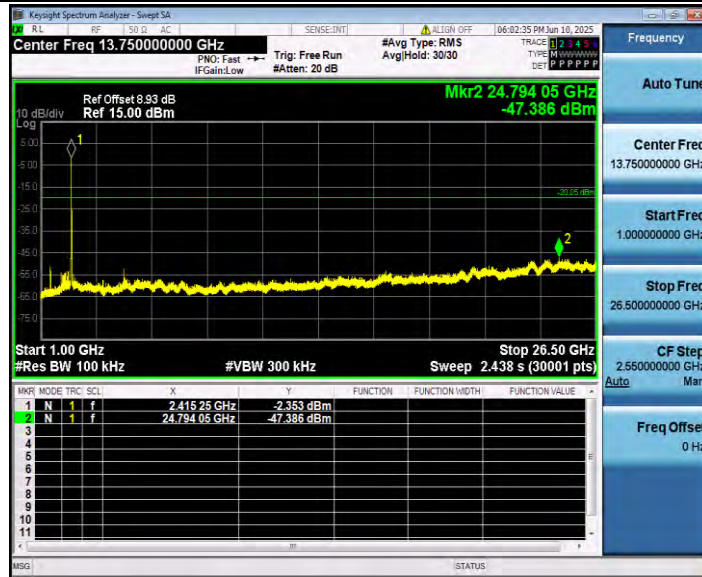
11G\_Ant1\_2412\_0~Reference



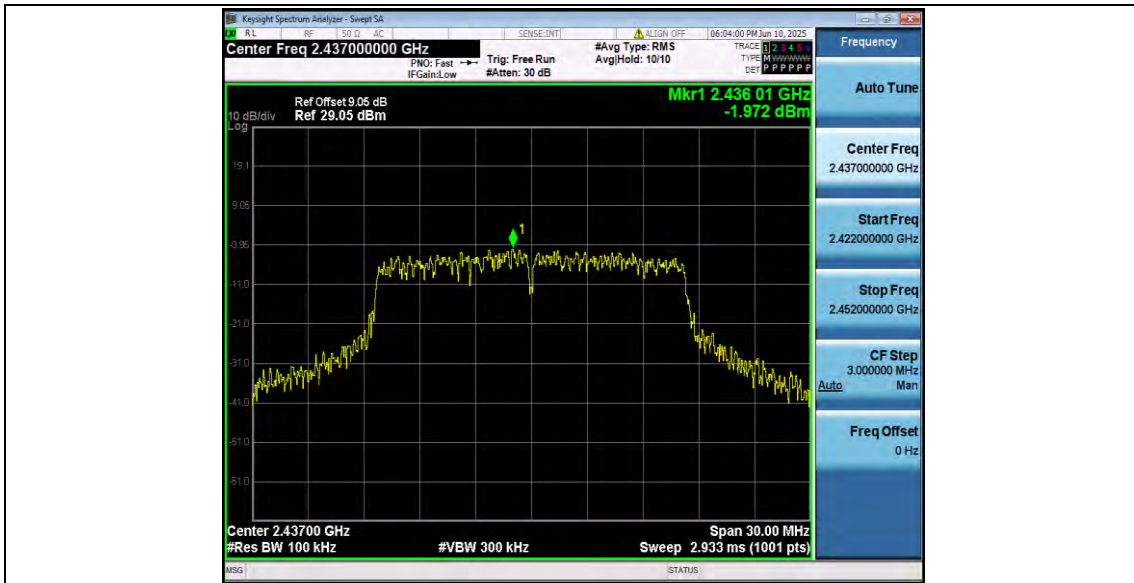
11G\_Ant1\_2412\_30~1000



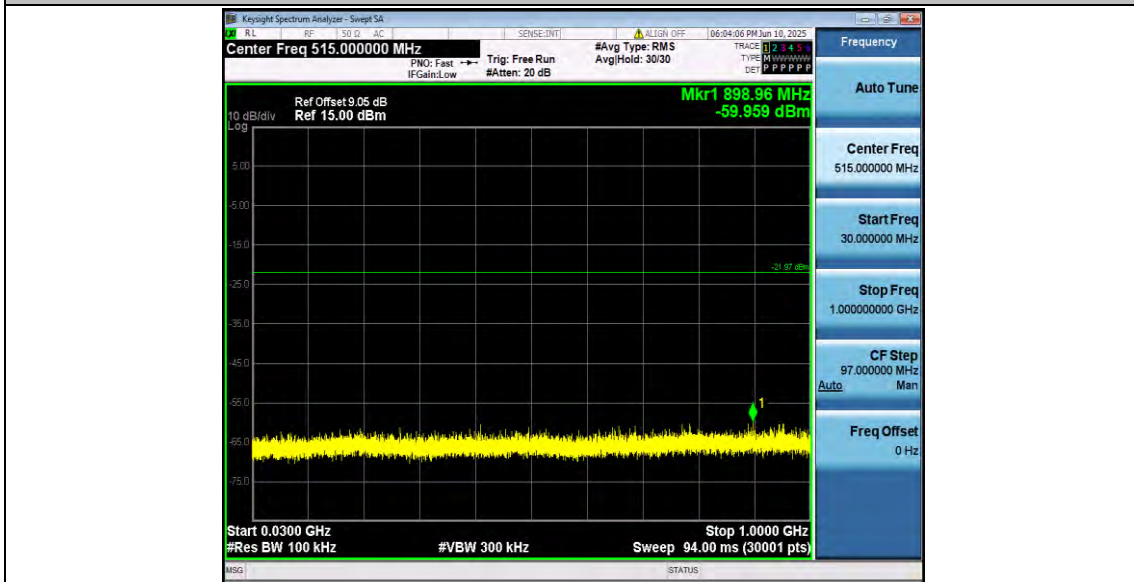
11G\_Ant1\_2412\_1000~26500



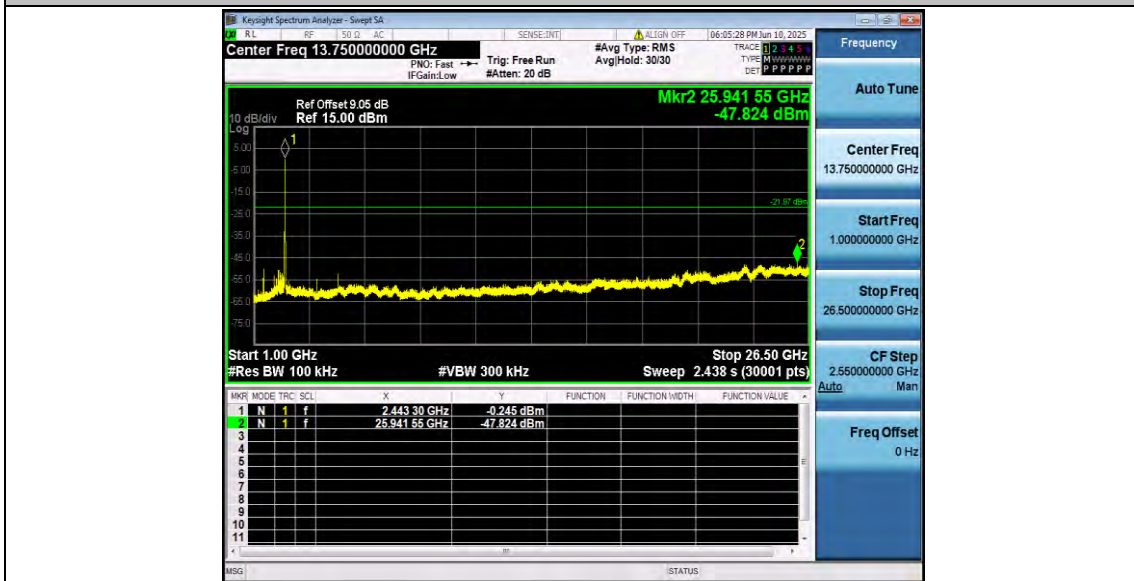
11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

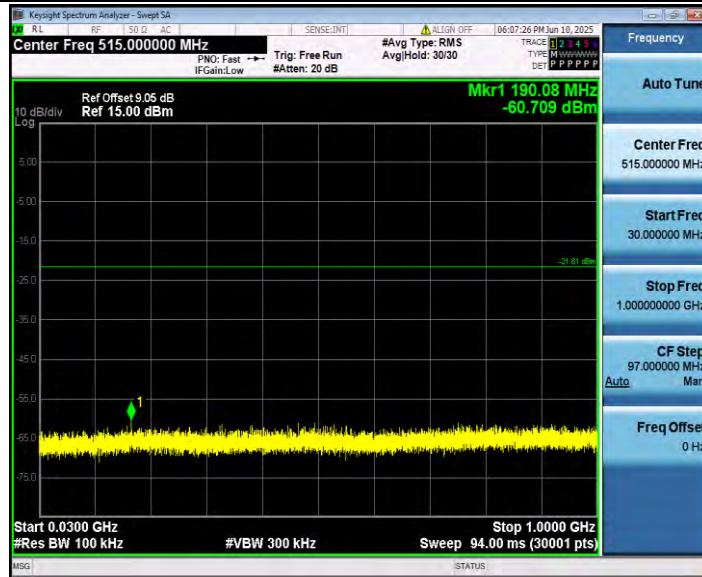




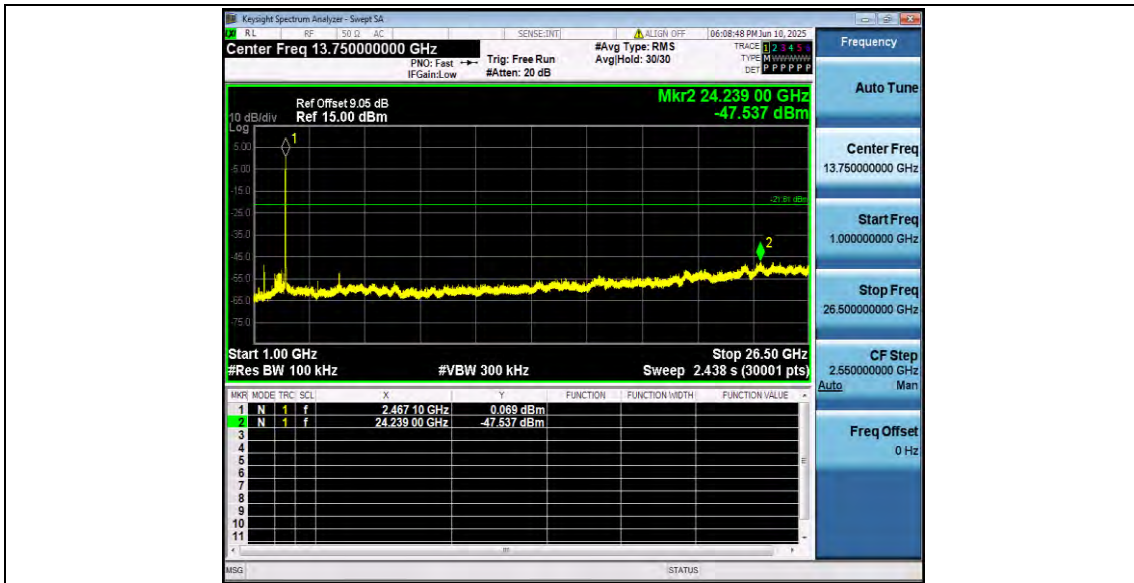
11G\_Ant1\_2462\_0~Reference



11G\_Ant1\_2462\_30~1000



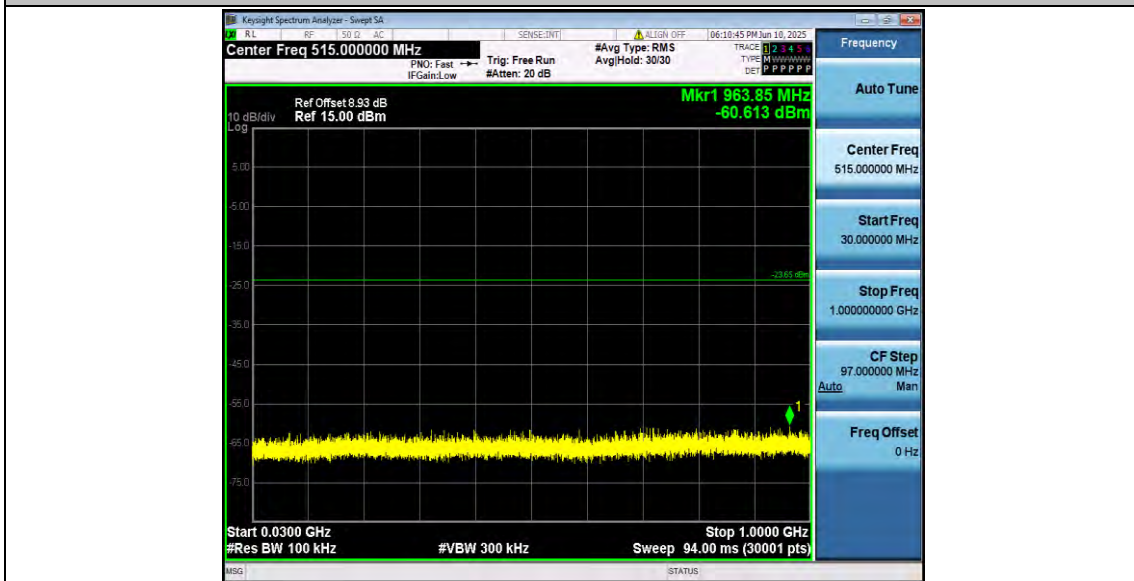
11G\_Ant1\_2462\_1000~26500



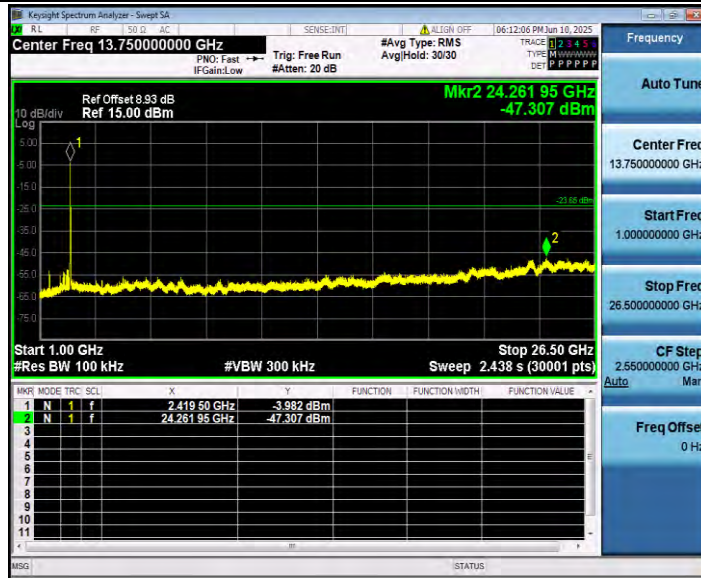
11N20SISO\_Ant1\_2412\_0~Reference



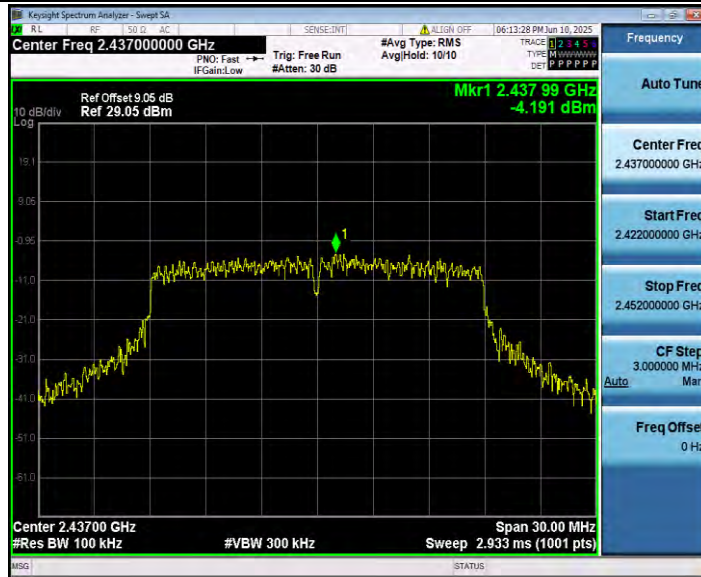
11N20SISO\_Ant1\_2412\_30~1000



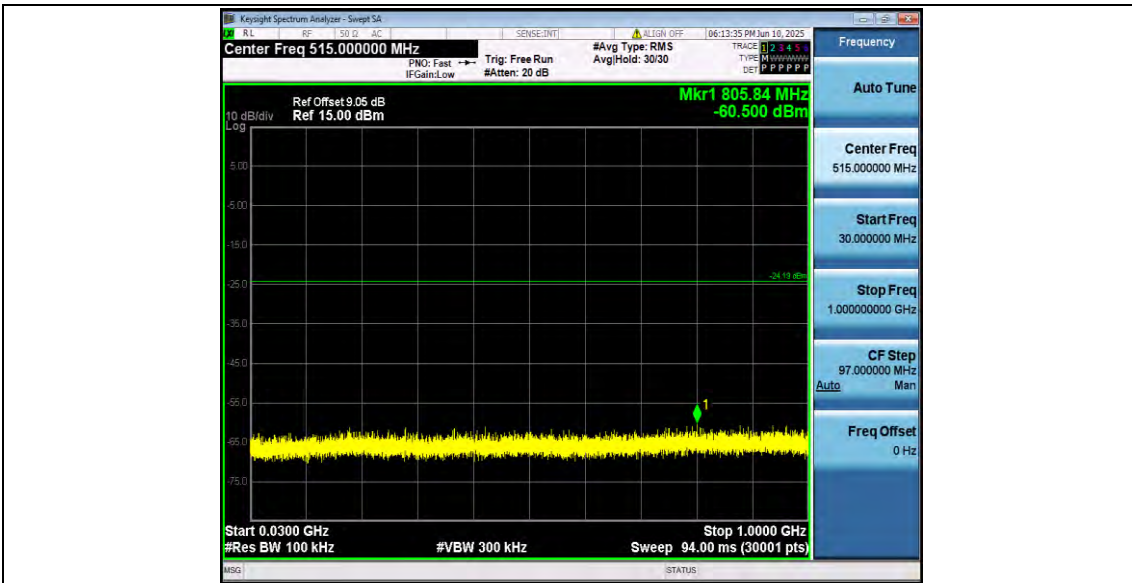
11N20SISO\_Ant1\_2412\_1000~26500



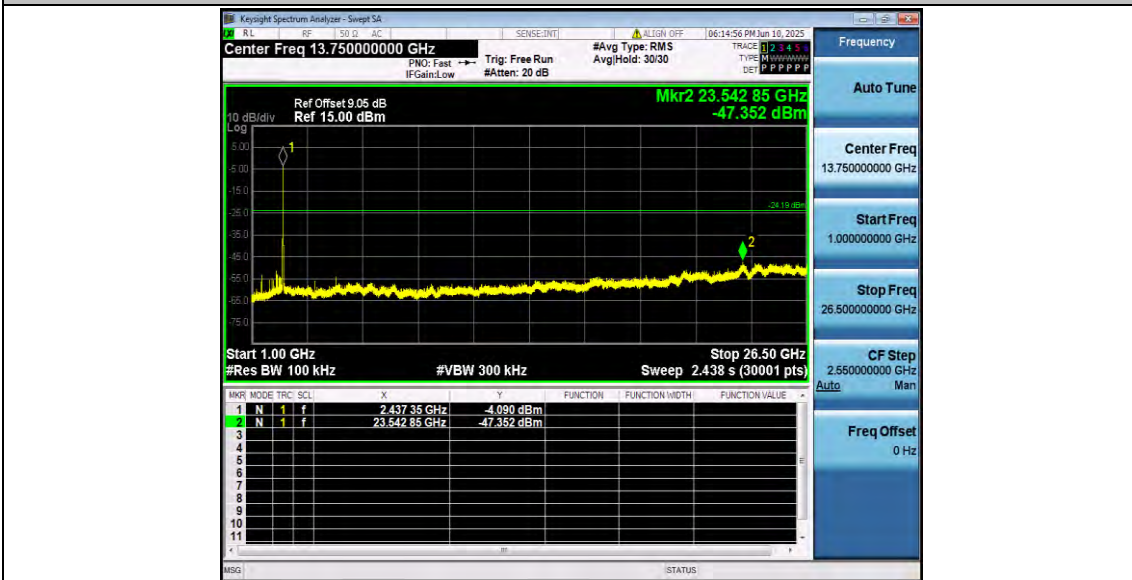
11N20SISO\_Ant1\_2437\_0~Reference



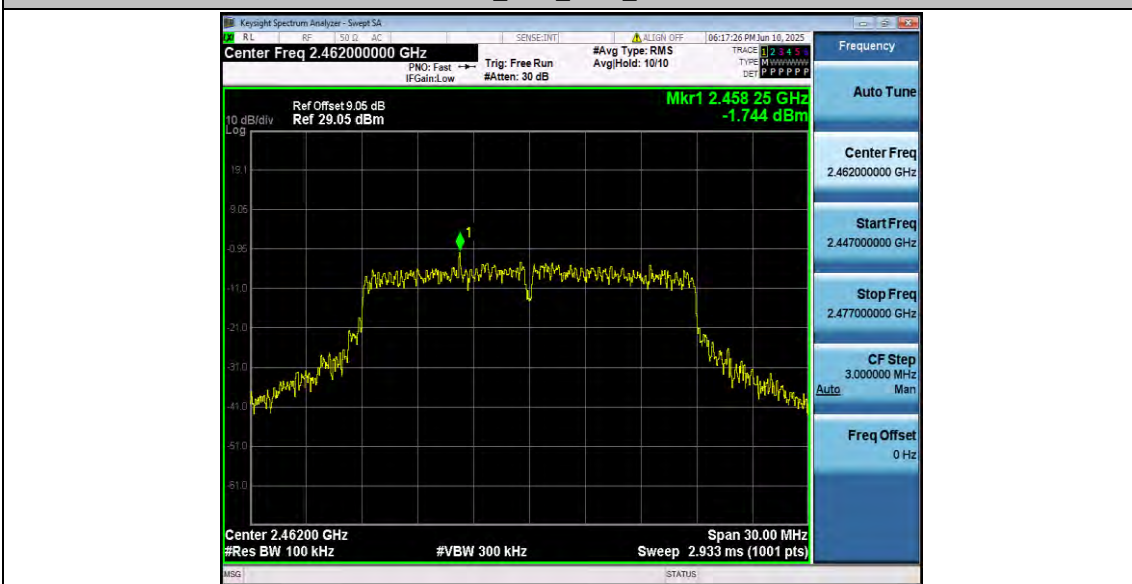
11N20SISO\_Ant1\_2437\_30~1000



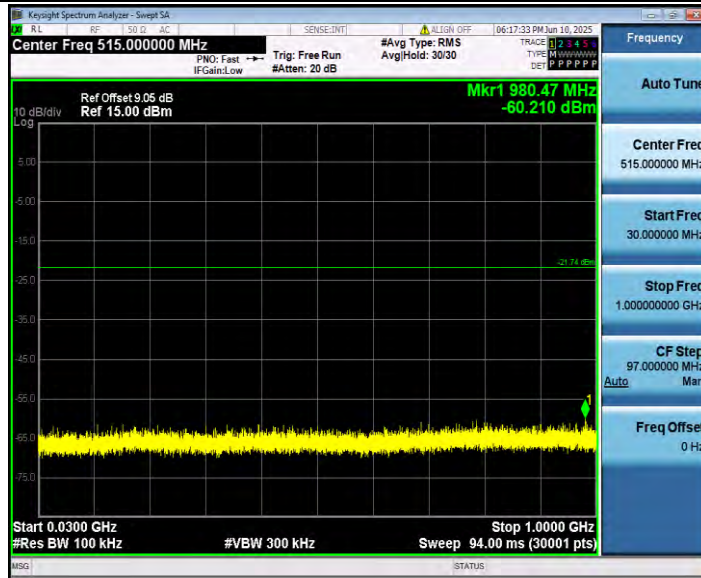
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



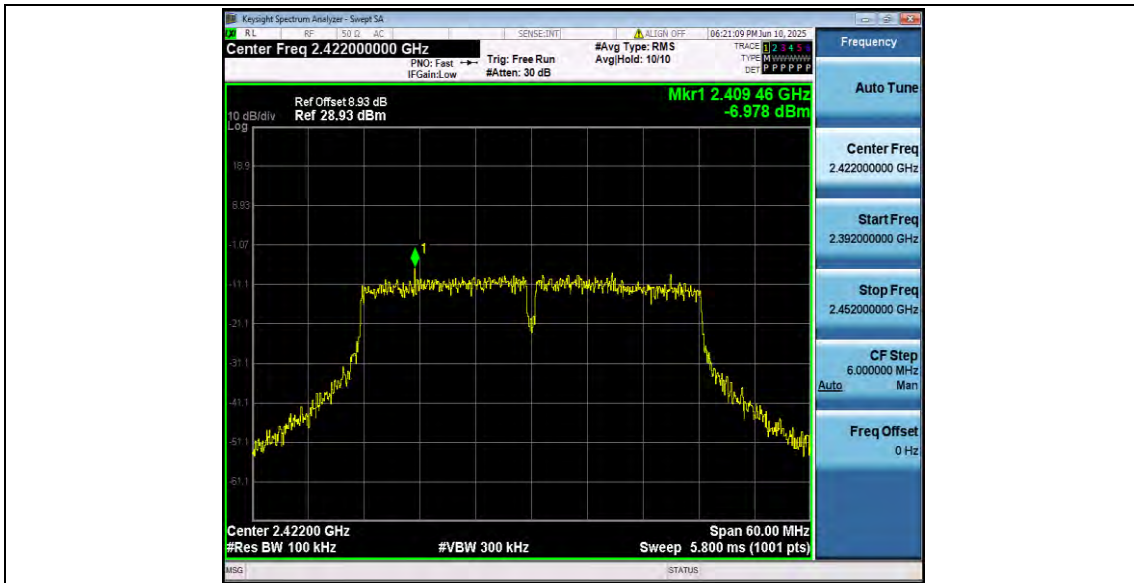
11N20SISO\_Ant1\_2462\_30~1000



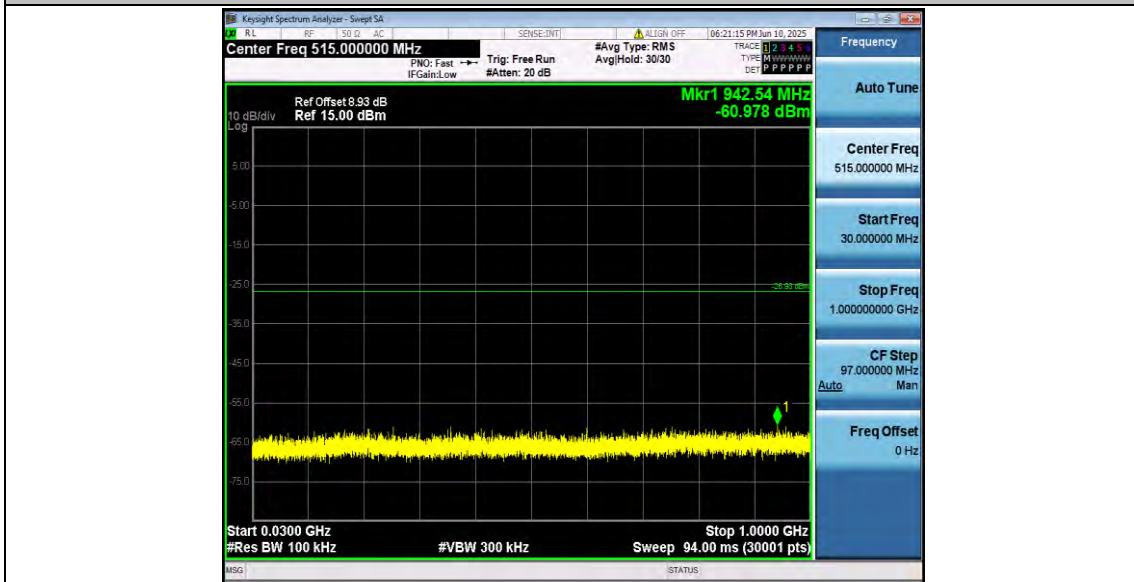
11N20SISO\_Ant1\_2462\_1000~26500



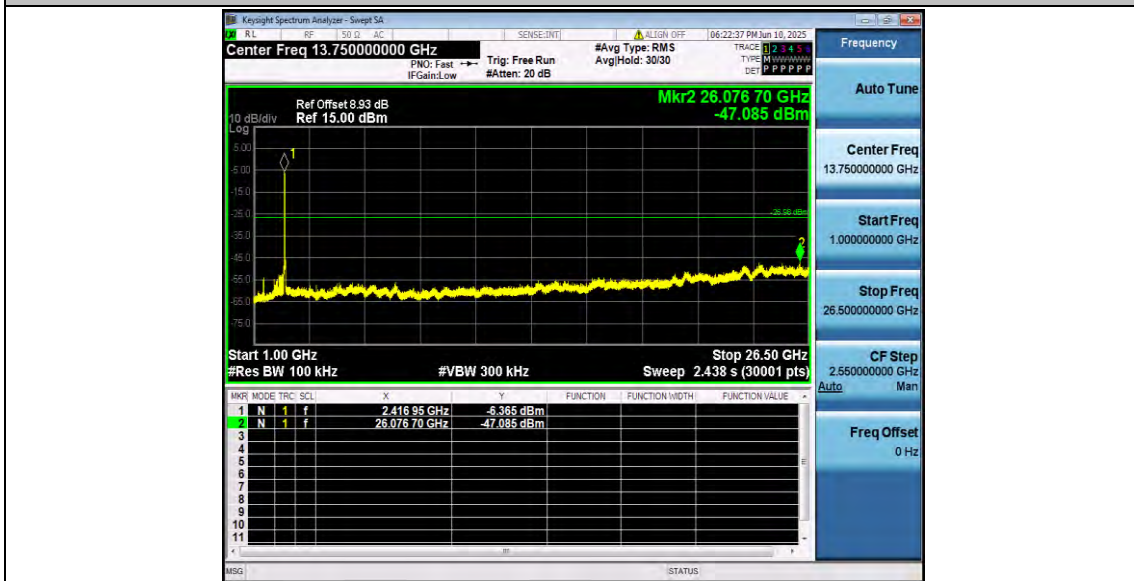
11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



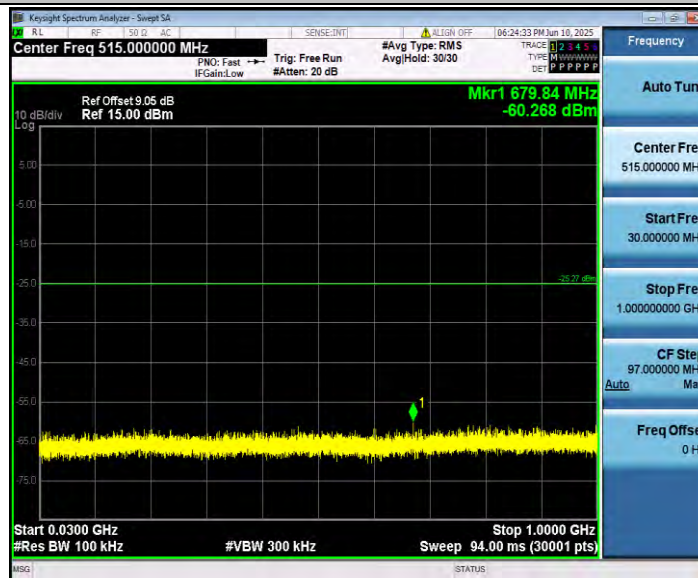
11N40SISO\_Ant1\_2422\_1000~26500



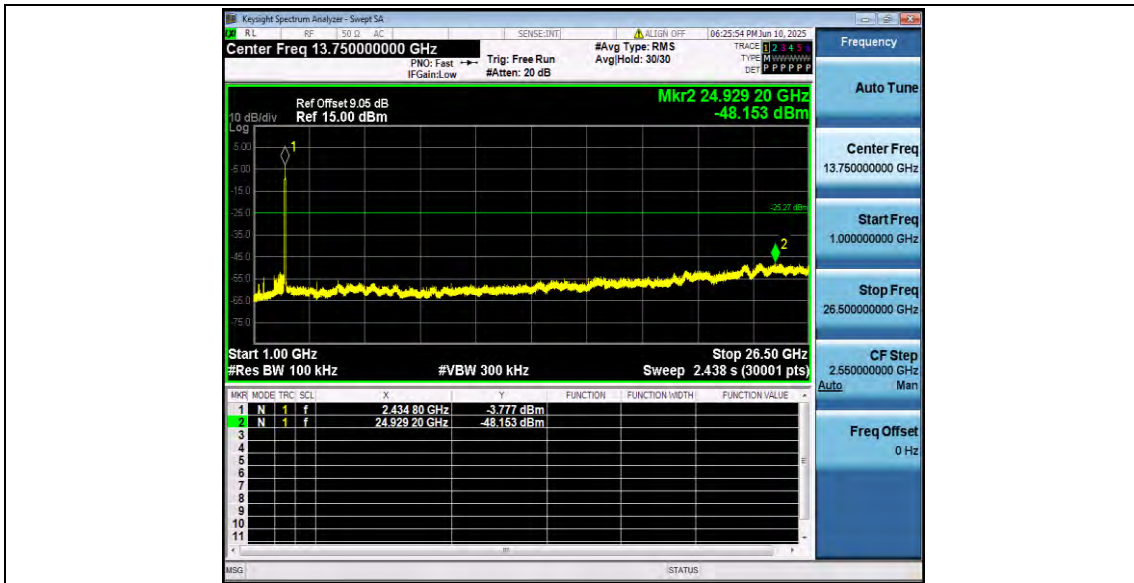
11N40SISO\_Ant1\_2437\_0~Reference



11N40SISO\_Ant1\_2437\_30~1000



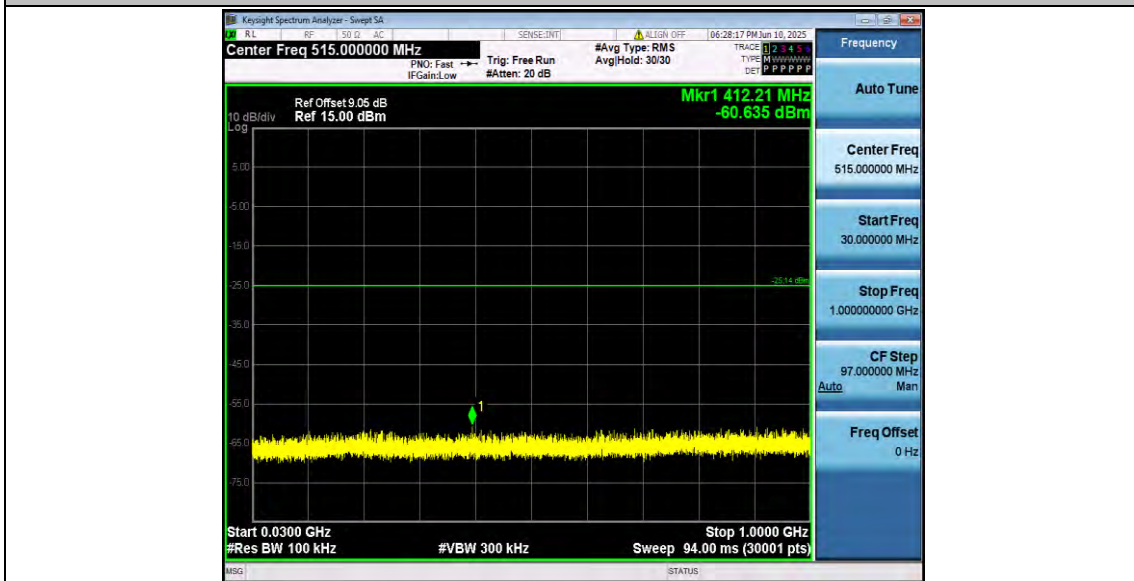
11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

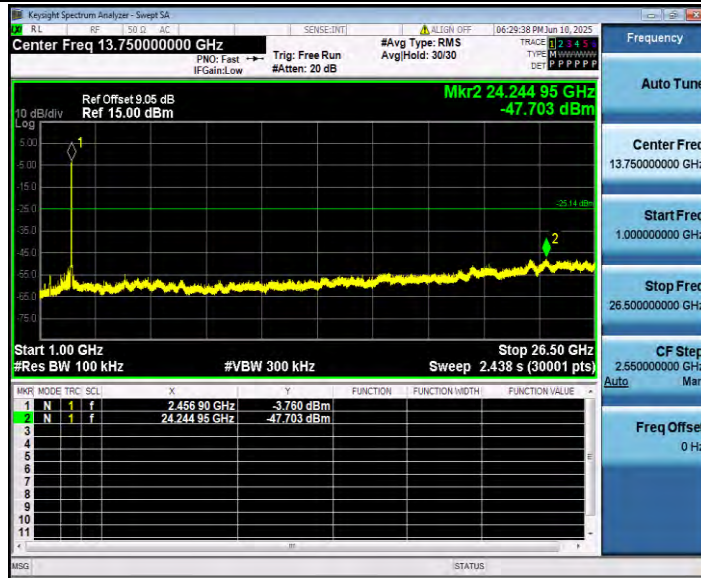


11N40SISO\_Ant1\_2452\_30~1000





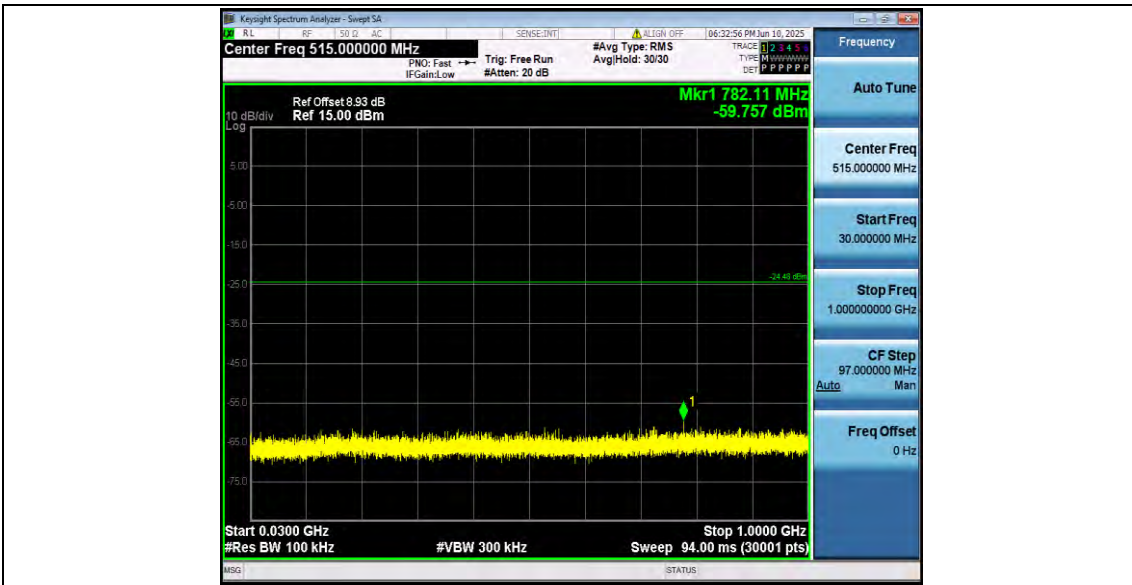
11N40SISO\_Ant1\_2452\_1000~26500



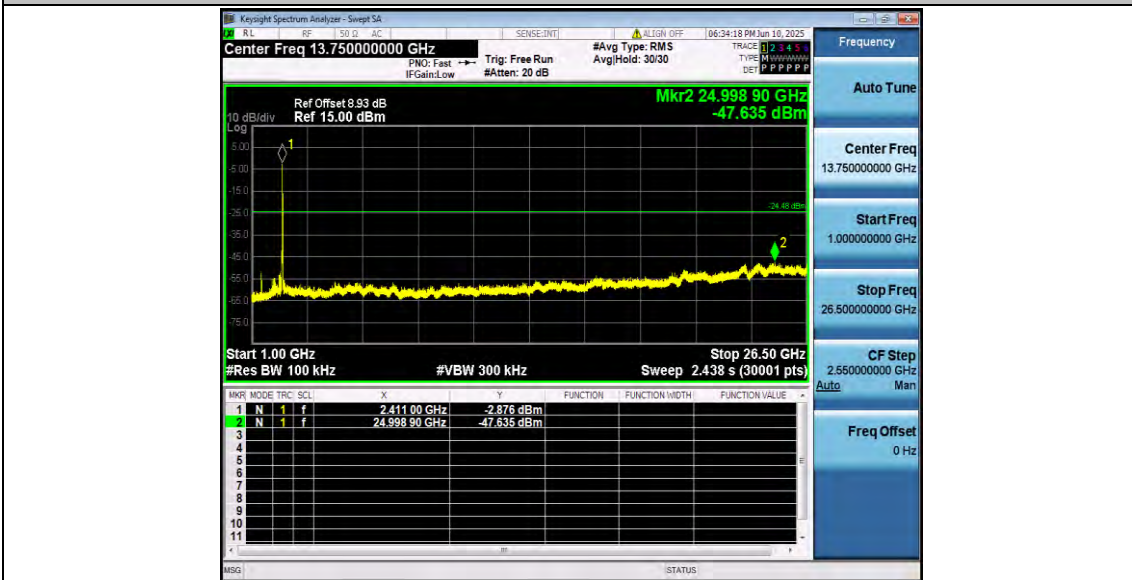
11AX20SISO\_Ant1\_2412\_0~Reference



11AX20SISO\_Ant1\_2412\_30~1000



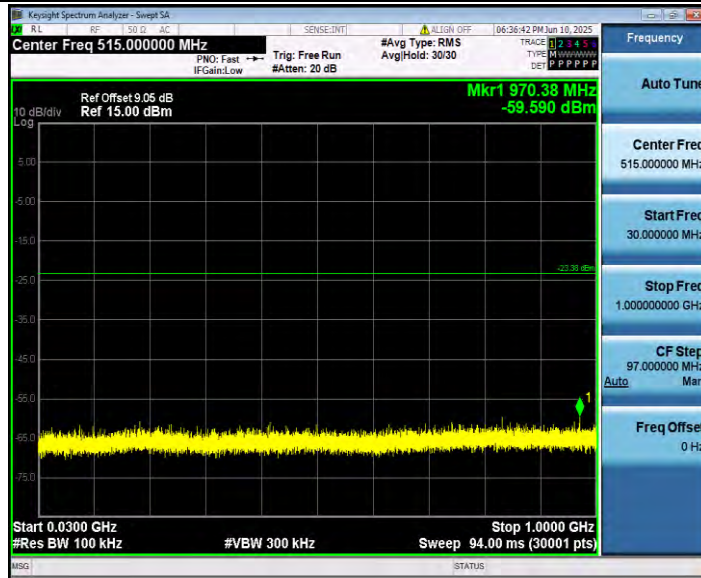
11AX20SISO\_Ant1\_2412\_1000~26500



11AX20SISO\_Ant1\_2437\_0~Reference



11AX20SISO\_Ant1\_2437\_30~1000



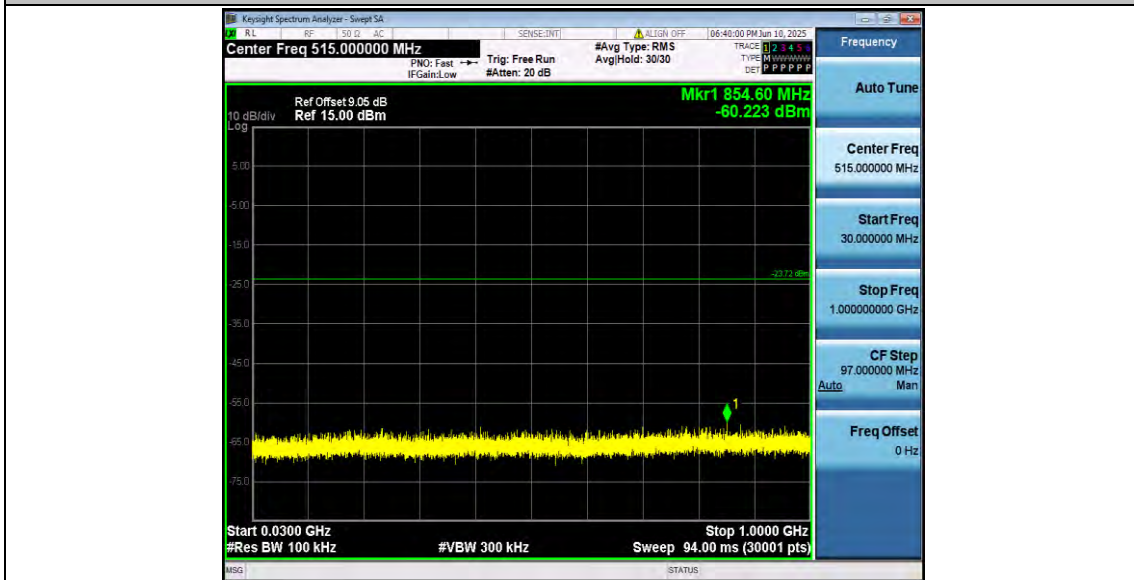
11AX20SISO\_Ant1\_2437\_1000~26500



11AX20SISO\_Ant1\_2462\_0~Reference



11AX20SISO\_Ant1\_2462\_30~1000



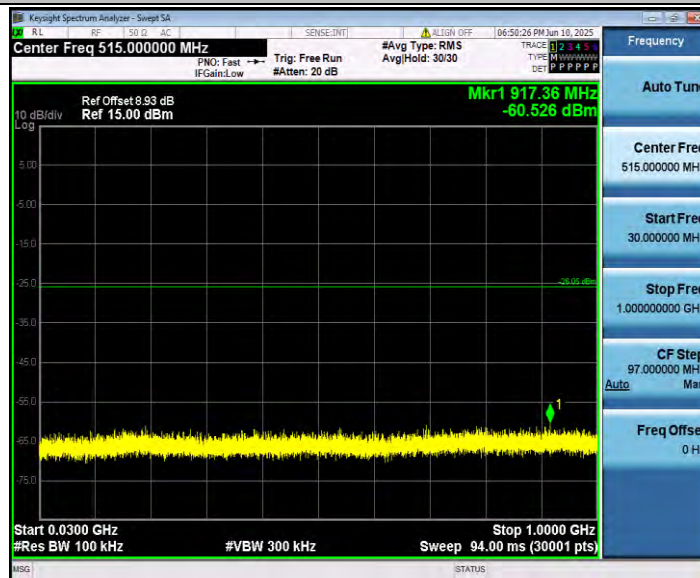
11AX20SISO\_Ant1\_2462\_1000~26500



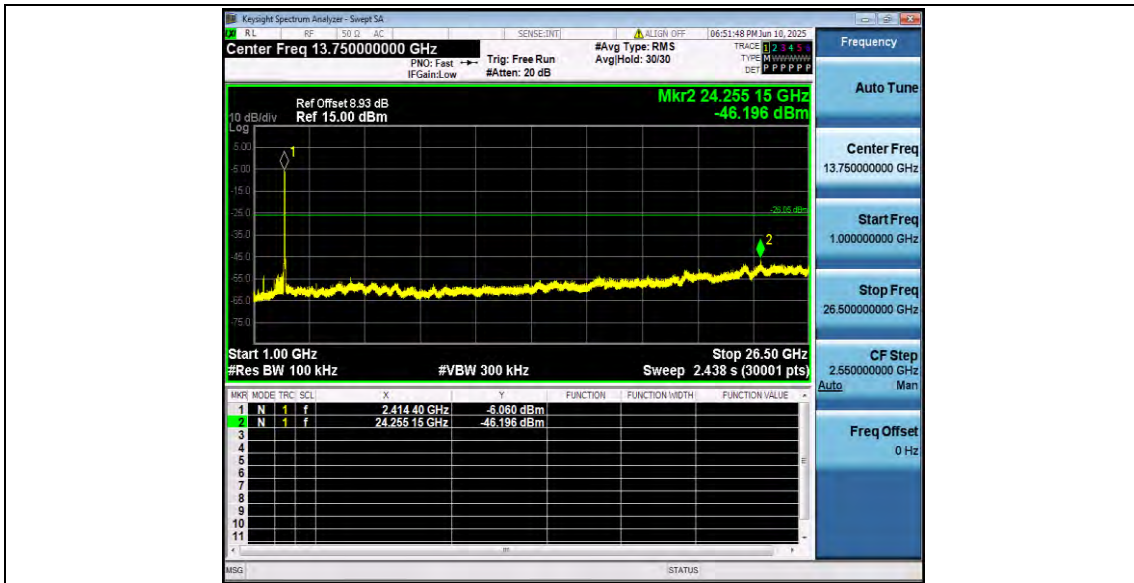
11AX40SISO\_Ant1\_2422\_0~Reference



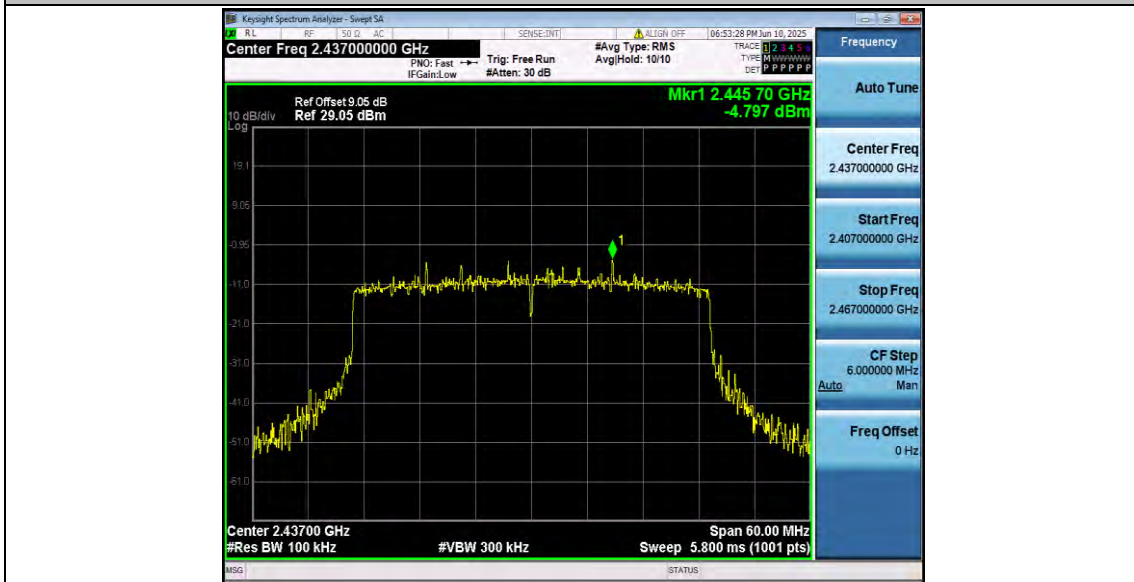
11AX40SISO\_Ant1\_2422\_30~1000



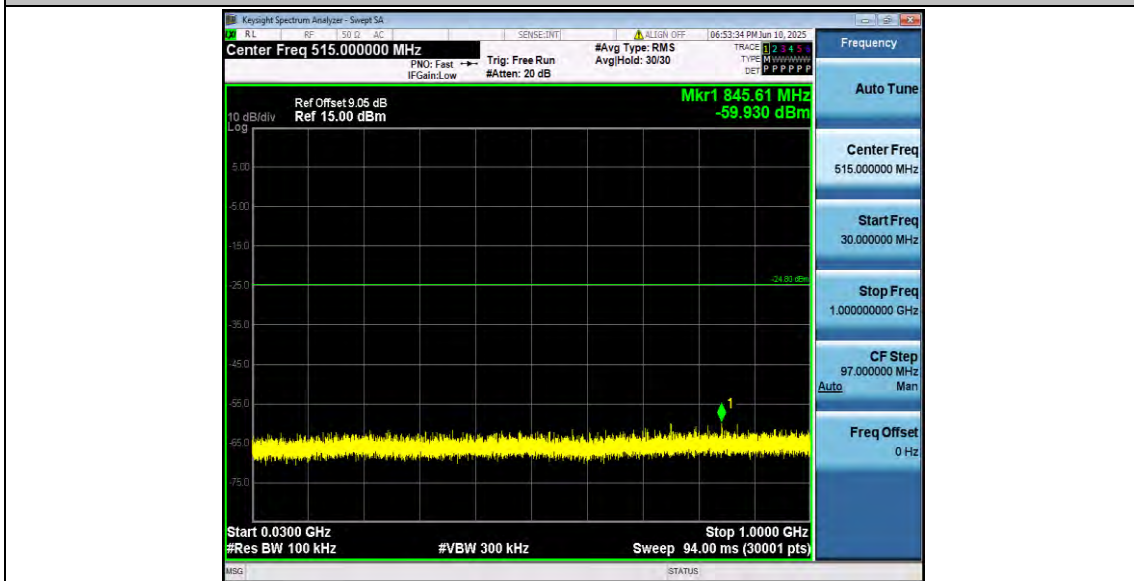
11AX40SISO\_Ant1\_2422\_1000~26500



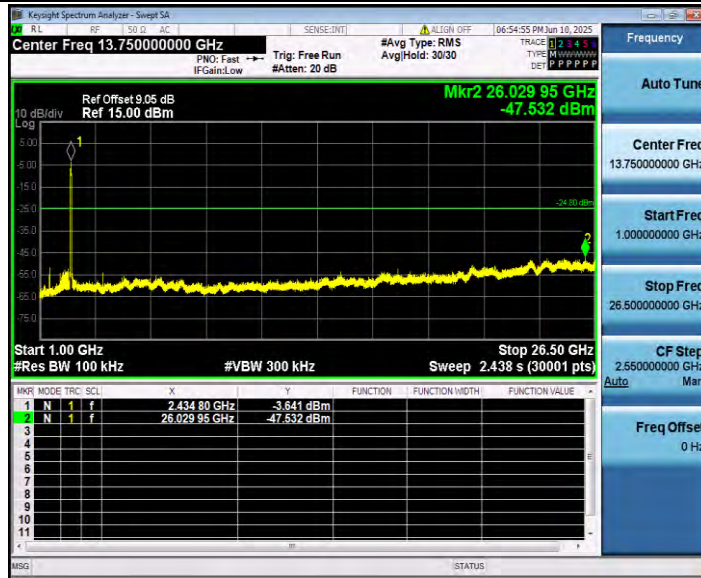
11AX40SISO\_Ant1\_2437\_0~Reference



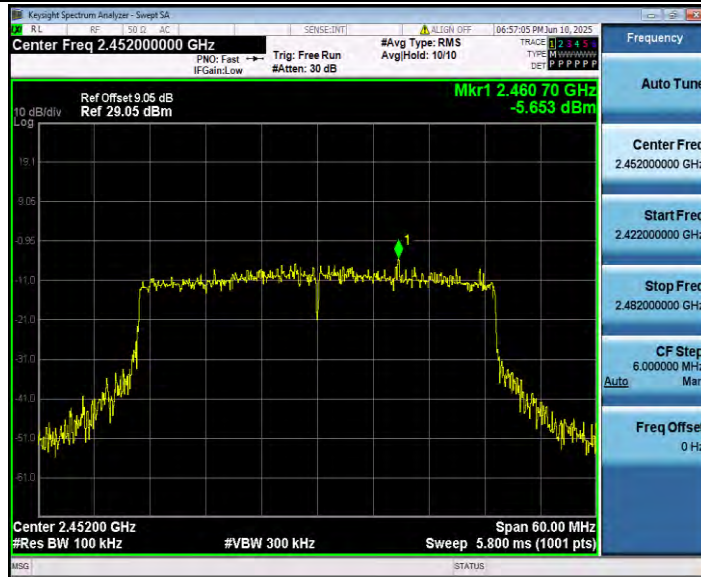
11AX40SISO\_Ant1\_2437\_30~1000



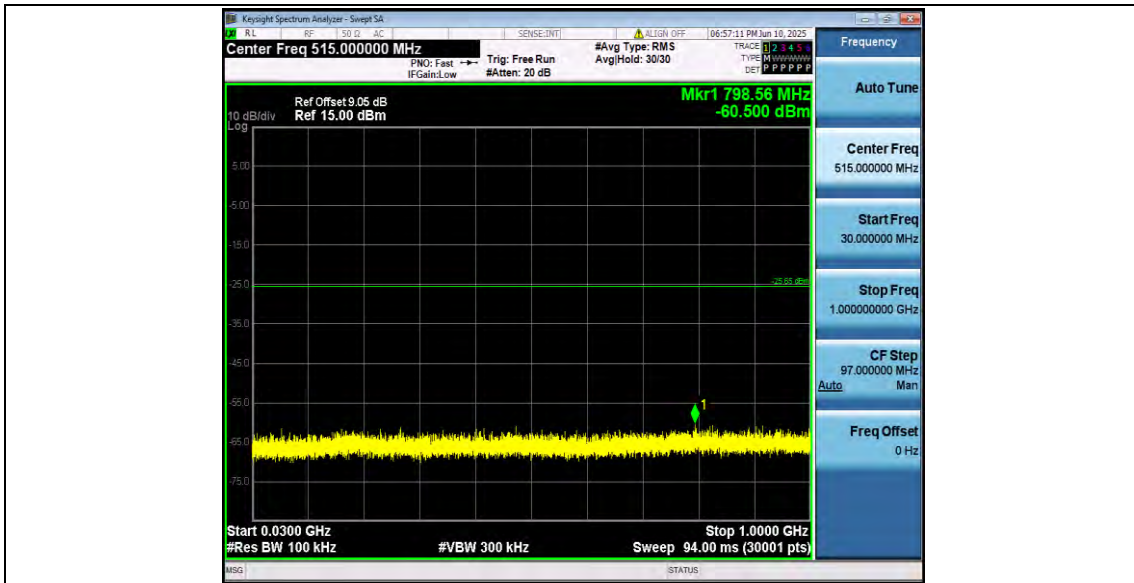
11AX40SISO\_Ant1\_2437\_1000~26500



11AX40SISO\_Ant1\_2452\_0~Reference



11AX40SISO\_Ant1\_2452\_30~1000



11AX40SISO\_Ant1\_2452\_1000~26500





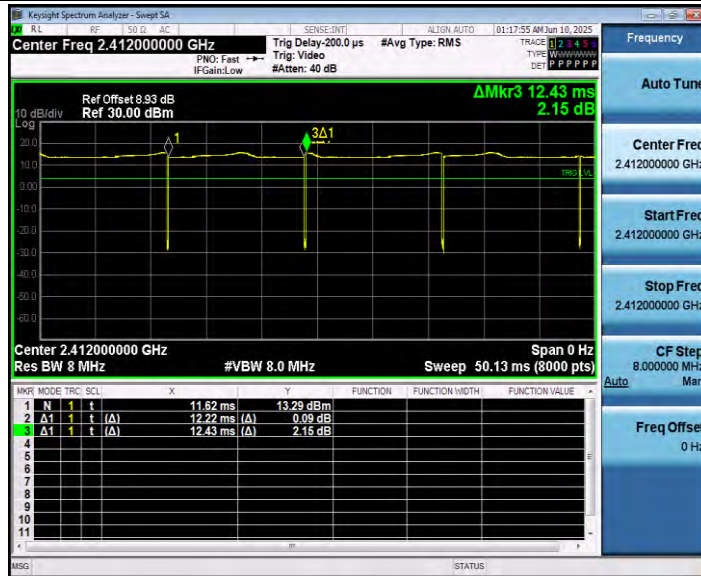
## Appendix C.7: Duty Cycle

### Test Result

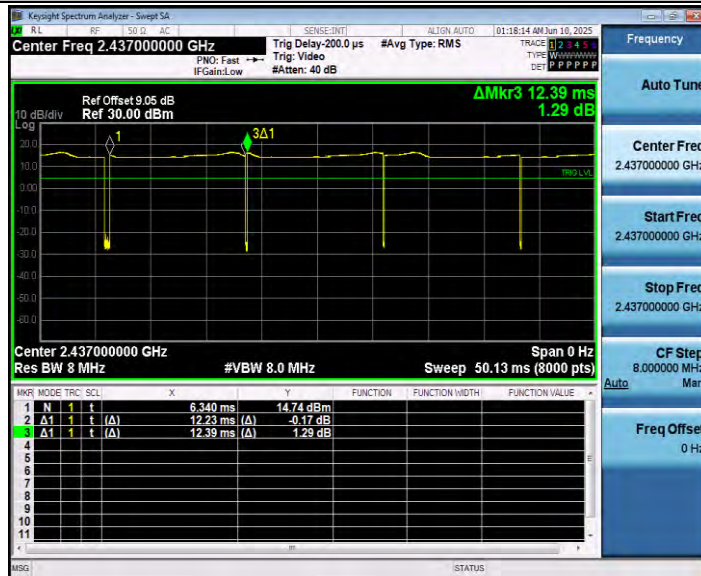
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	12.22	12.43	98.31	0.07	0.08
		2437	12.23	12.39	98.71	0.06	0.08
		2462	12.22	12.44	98.23	0.08	0.08
11G	Ant1	2412	2.03	2.27	89.43	0.49	0.49
		2437	2.03	2.47	82.19	0.85	0.49
		2462	1.46	1.70	85.88	0.66	0.68
11N20SISO	Ant1	2412	1.90	2.13	89.20	0.50	0.53
		2437	1.89	2.15	87.91	0.56	0.53
		2462	1.90	2.13	89.20	0.50	0.53
11N40SISO	Ant1	2422	0.94	1.17	80.34	0.95	1.06
		2437	0.93	1.16	80.17	0.96	1.08
		2452	0.93	1.19	78.15	1.07	1.08
11AX20SISO	Ant1	2412	1.46	2.01	72.64	1.39	0.68
		2437	1.46	1.70	85.88	0.66	0.68
		2462	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	2422	0.76	1.00	76.00	1.19	1.32
		2437	1.46	1.70	85.88	0.66	0.68
		2452	0.76	0.94	80.85	0.92	1.32

## Test Graphs

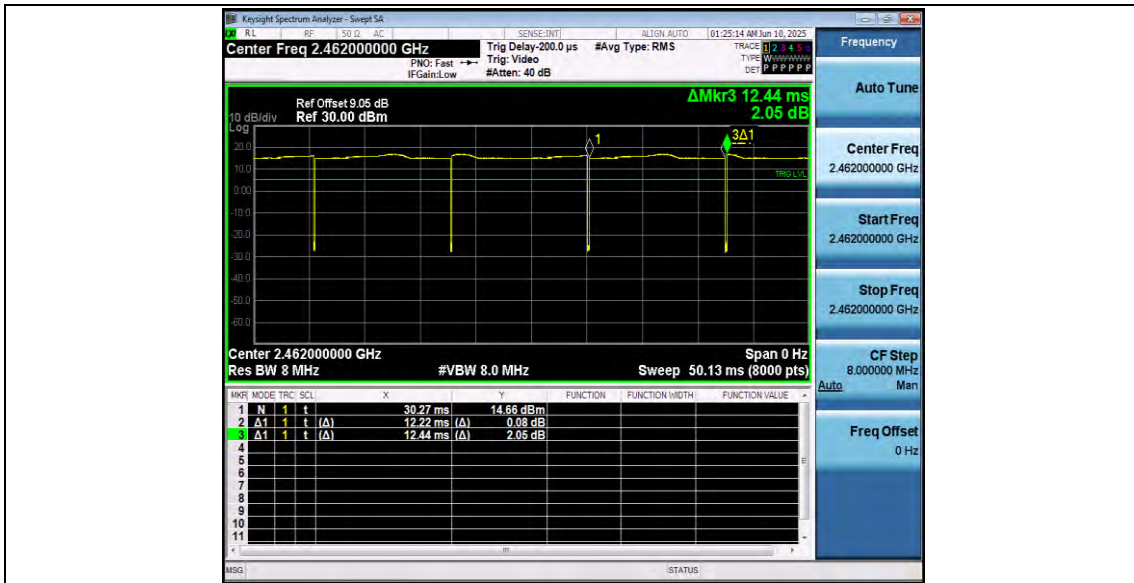
11B\_Ant1\_2412



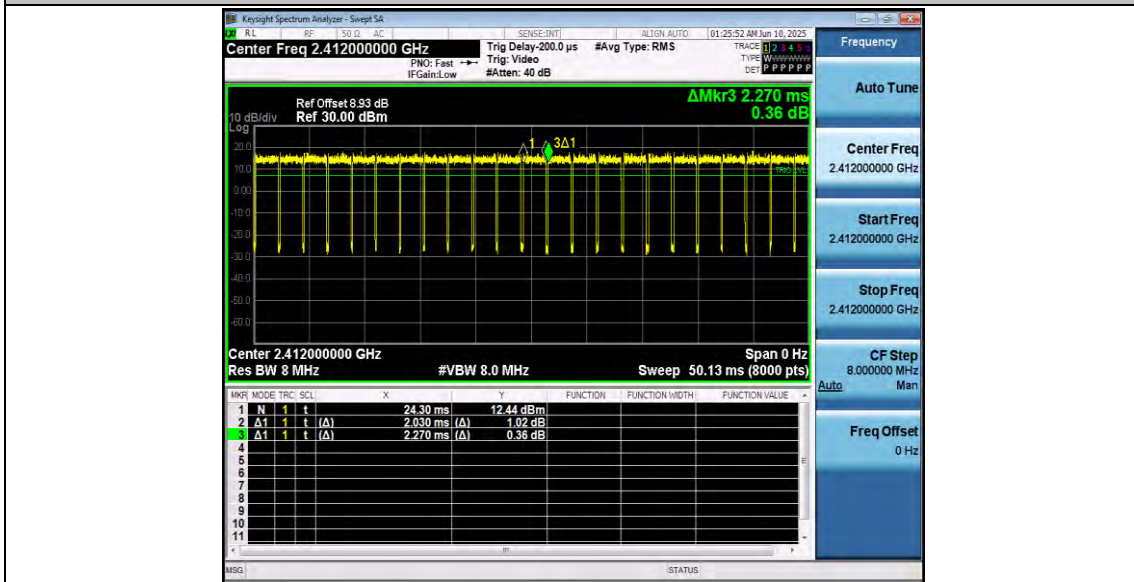
11B\_Ant1\_2437



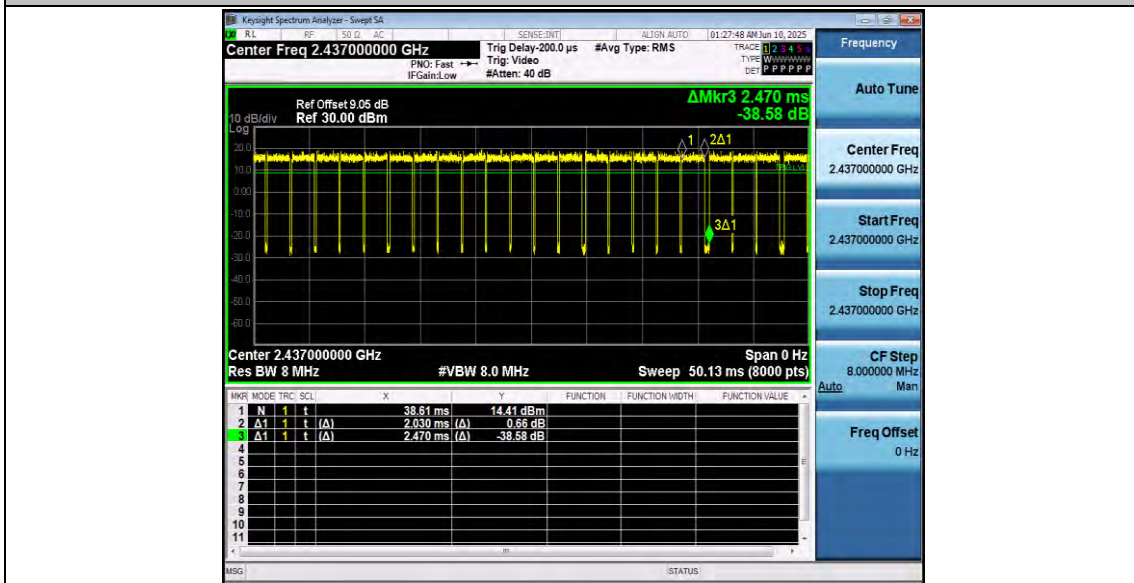
11B\_Ant1\_2462



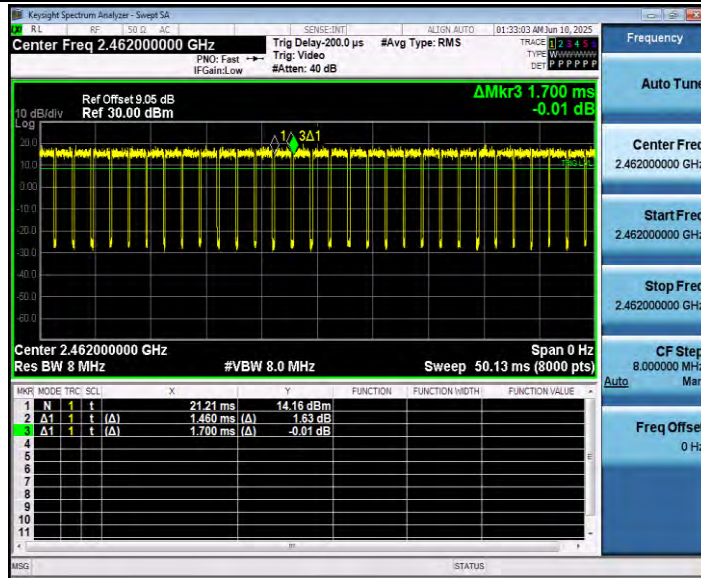
11G\_Ant1\_2412



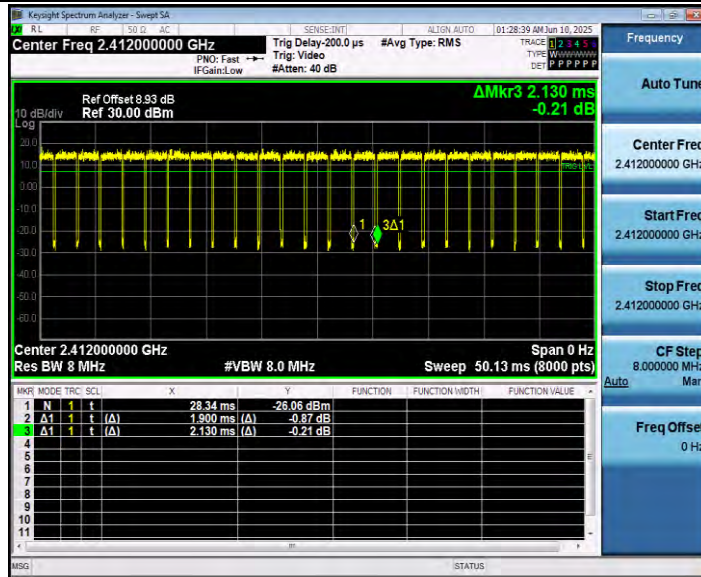
11G\_Ant1\_2437



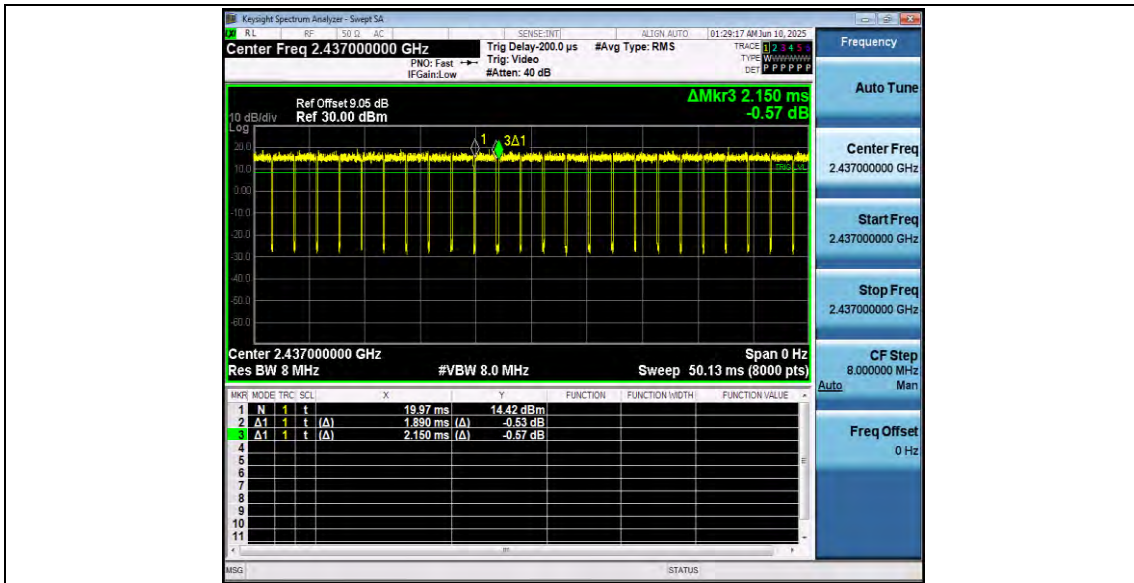
11G\_Ant1\_2462



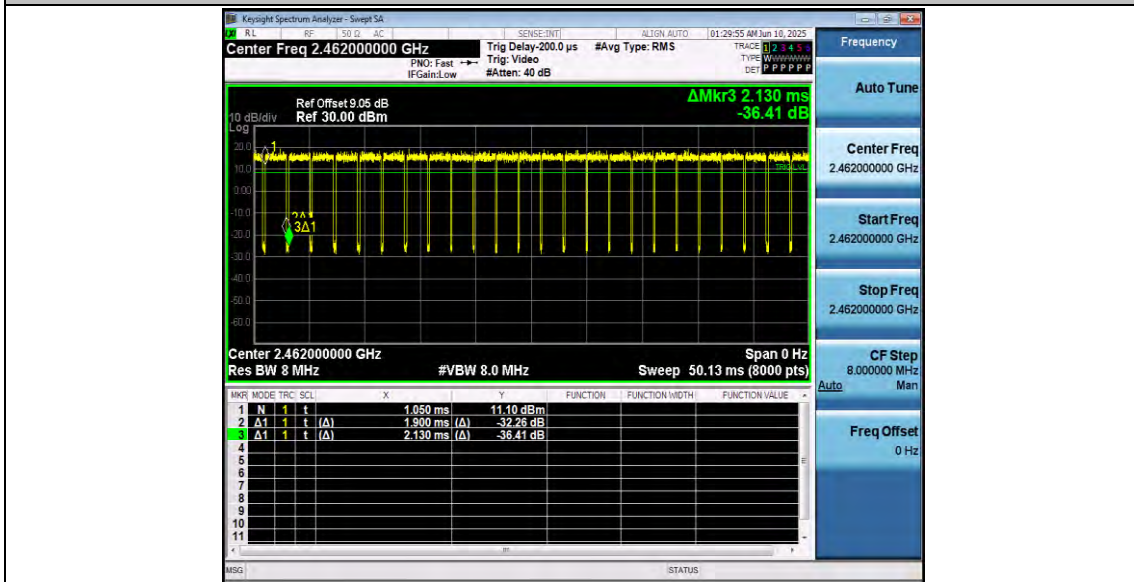
11N20SISO\_Ant1\_2412



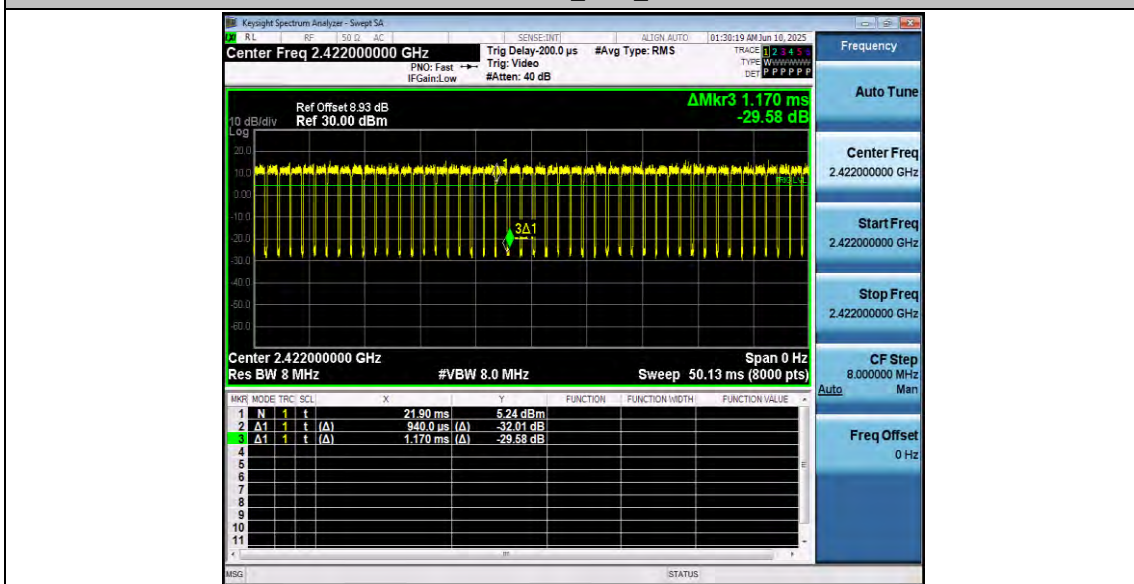
11N20SISO\_Ant1\_2437



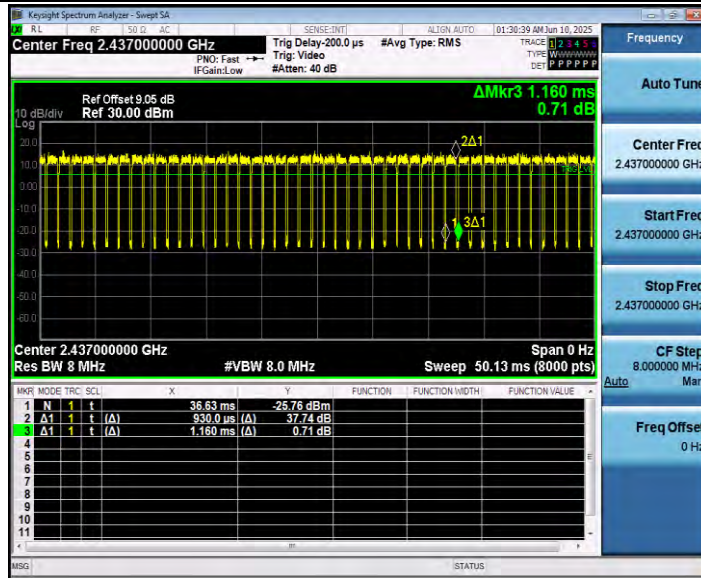
11N20SISO\_Ant1\_2462



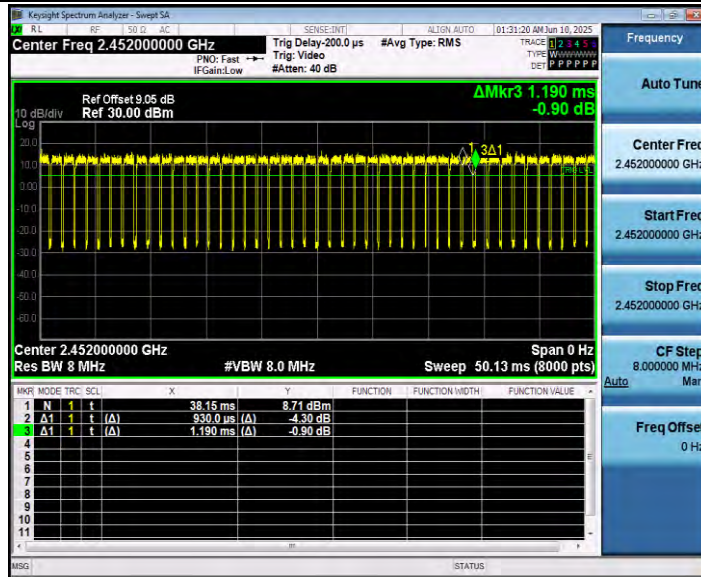
11N40SISO\_Ant1\_2422



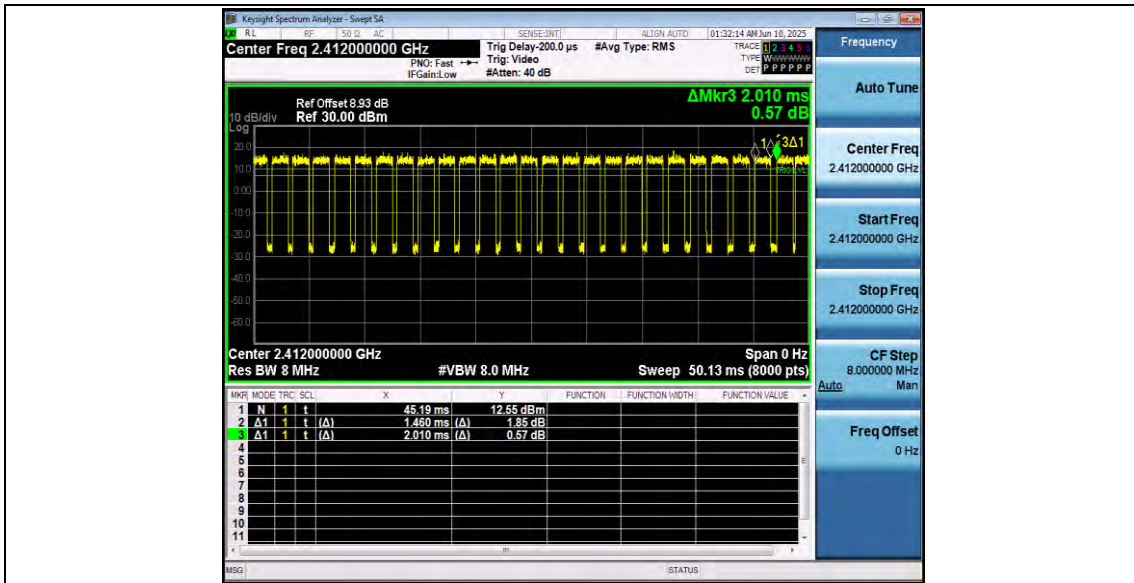
11N40SISO\_Ant1\_2437



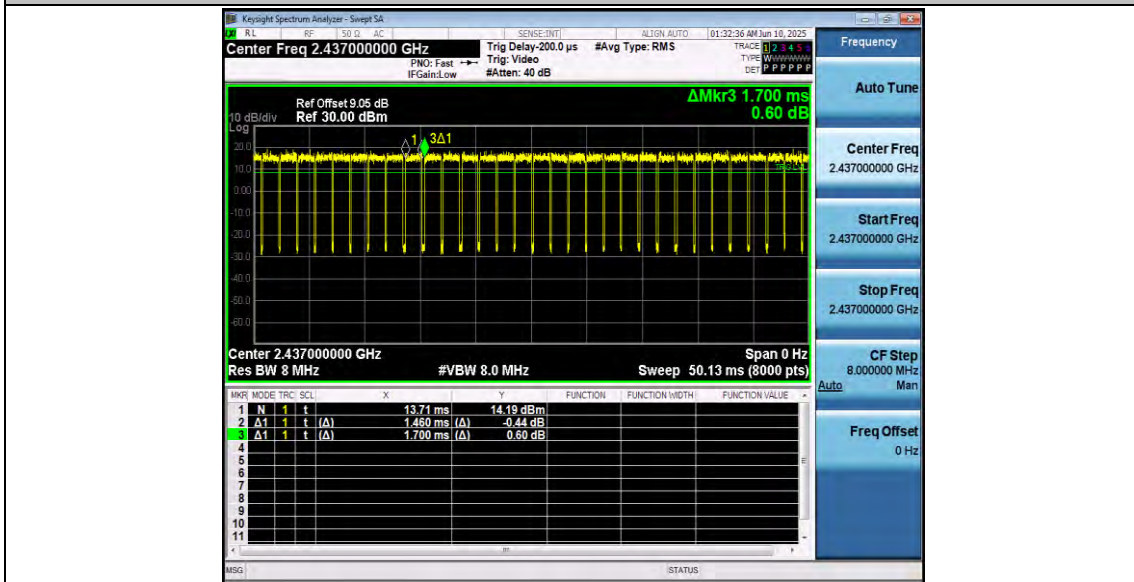
11N40SISO\_Ant1\_2452



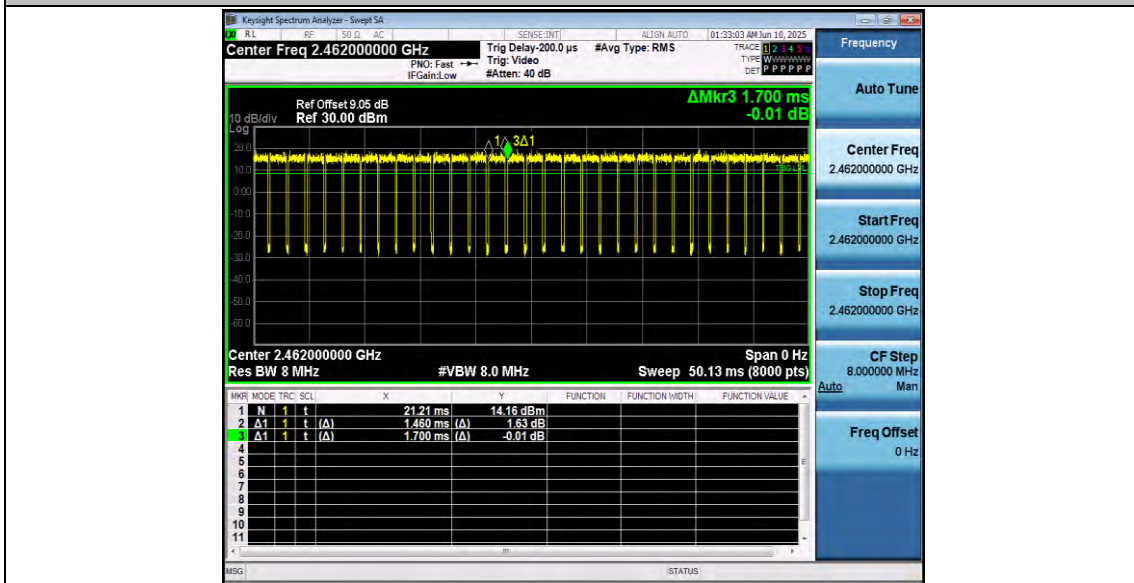
11AX20SISO\_Ant1\_2412



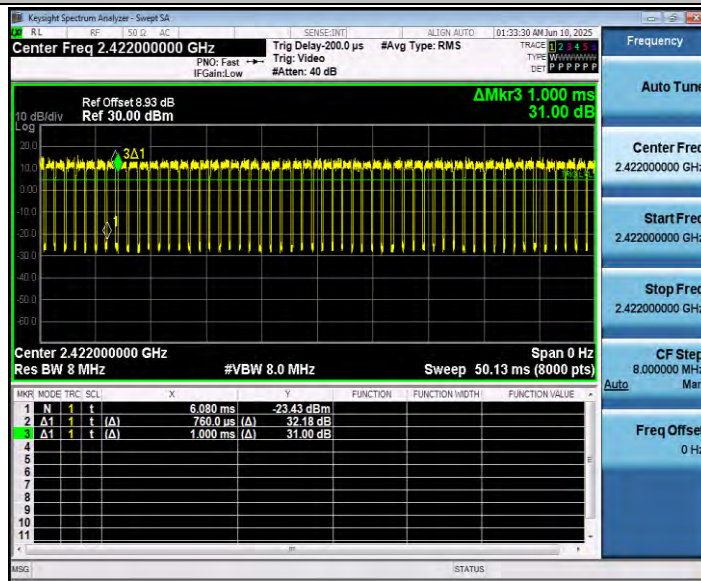
11AX20SISO\_Ant1\_2437



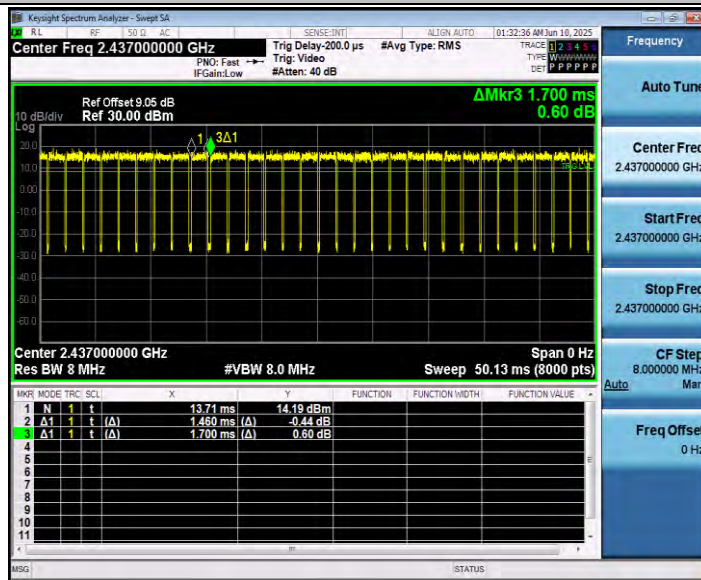
11AX20SISO\_Ant1\_2462



11AX40SISO\_Ant1\_2422

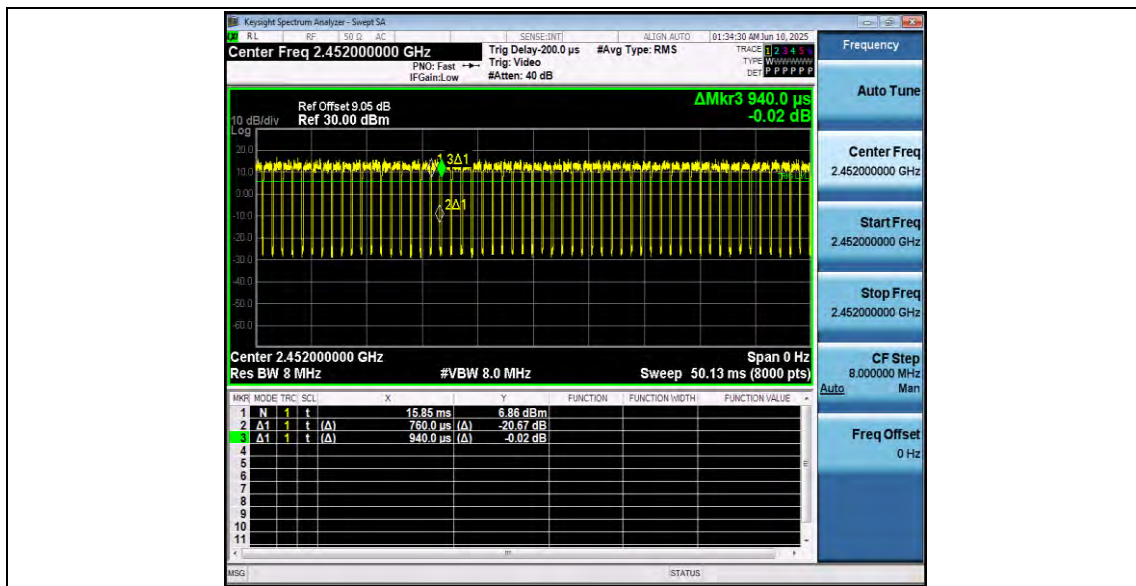


11AX40SISO\_Ant1\_2437



11AX40SISO\_Ant1\_2452





## Appendix C.8: Emissions in Restricted Bands

### Test Result

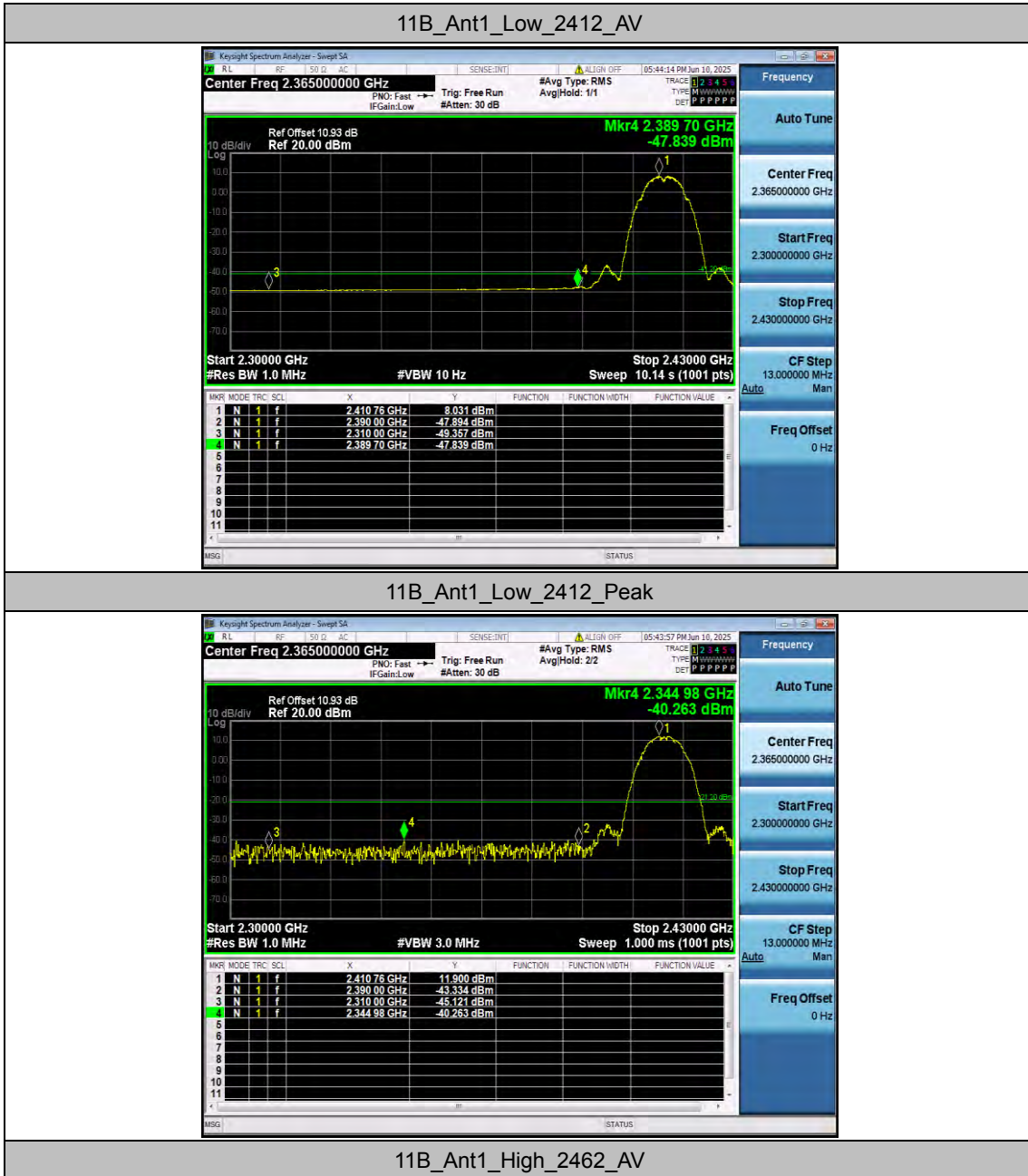
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.36	≤-41.20	45.84	≤54	PASS
				AV	2389.700	-47.84	≤-41.20	47.36	≤54	PASS
				AV	2390.000	-47.89	≤-41.20	47.31	≤54	PASS
				Peak	2310.000	-45.12	≤-21.20	50.08	≤74	PASS
				Peak	2344.980	-40.26	≤-21.20	54.94	≤74	PASS
				Peak	2390.000	-43.33	≤-21.20	51.87	≤74	PASS
		High	2462	AV	2483.500	-47.58	≤-41.20	47.62	≤54	PASS
				AV	2487.850	-46.32	≤-41.20	48.88	≤54	PASS
				AV	2500.000	-48.09	≤-41.20	47.11	≤54	PASS
				Peak	2483.500	-44.61	≤-21.20	50.59	≤74	PASS
				Peak	2496.430	-36.79	≤-21.20	58.41	≤74	PASS
				Peak	2500.000	-46.82	≤-21.20	48.38	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.24	≤-41.20	45.96	≤54	PASS
				AV	2389.960	-44.89	≤-41.20	50.31	≤54	PASS
				AV	2390.000	-44.89	≤-41.20	50.31	≤54	PASS
				Peak	2310.000	-49.68	≤-21.20	45.52	≤74	PASS
				Peak	2389.830	-34.55	≤-21.20	60.65	≤74	PASS
				Peak	2390.000	-39.86	≤-21.20	55.34	≤74	PASS
		High	2462	AV	2483.500	-43.46	≤-41.20	51.74	≤54	PASS
				AV	2483.560	-43.57	≤-41.20	51.63	≤54	PASS
				AV	2500.000	-48.33	≤-41.20	46.87	≤54	PASS
				Peak	2483.500	-38	≤-21.20	57.20	≤74	PASS
				Peak	2483.560	-35.4	≤-21.20	59.80	≤74	PASS
				Peak	2500.000	-44.77	≤-21.20	50.43	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.3	≤-41.20	45.90	≤54	PASS
				AV	2389.960	-45.97	≤-41.20	49.23	≤54	PASS
				AV	2390.000	-45.97	≤-41.20	49.23	≤54	PASS
				Peak	2310.000	-49.5	≤-21.20	45.70	≤74	PASS
				Peak	2389.570	-36.03	≤-21.20	59.17	≤74	PASS
				Peak	2390.000	-42.2	≤-21.20	53.00	≤74	PASS
		High	2462	AV	2483.500	-45.19	≤-41.20	50.01	≤54	PASS
				AV	2483.560	-45.23	≤-41.20	49.97	≤54	PASS
				AV	2500.000	-48.55	≤-41.20	46.65	≤54	PASS
				Peak	2483.500	-36.73	≤-21.20	58.47	≤74	PASS
				Peak	2483.890	-38.07	≤-21.20	57.13	≤74	PASS
				Peak	2500.000	-46.05	≤-21.20	49.15	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.38	≤-41.20	45.82	≤54	PASS

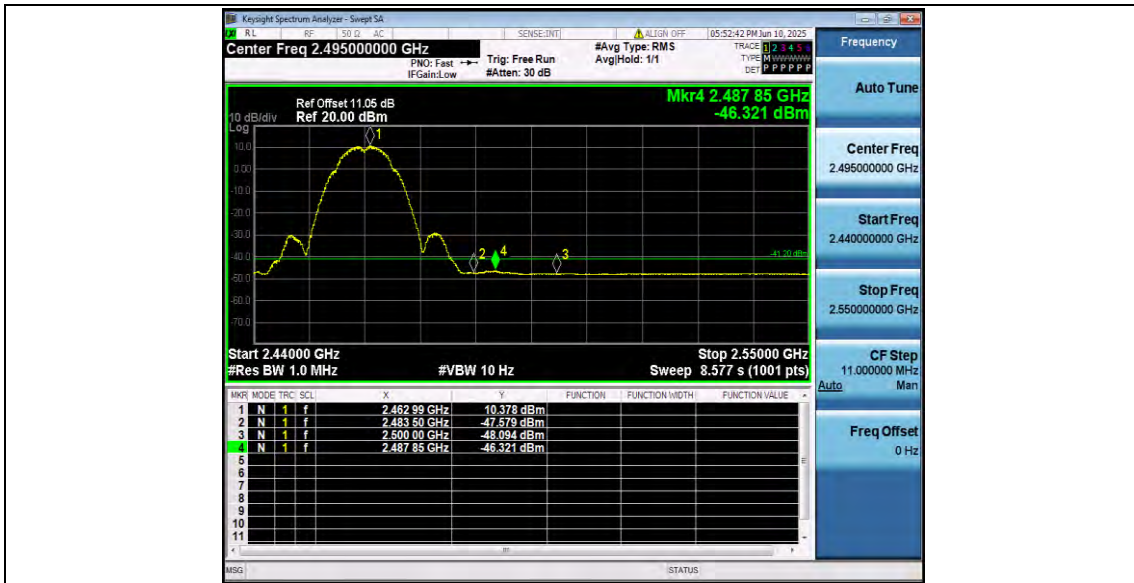
O				AV	2389.960	-47.38	$\leq -41.20$	47.82	$\leq 54$	PASS
				AV	2390.000	-47.38	$\leq -41.20$	47.82	$\leq 54$	PASS
				Peak	2310.000	-45.24	$\leq -21.20$	49.96	$\leq 74$	PASS
				Peak	2377.870	-40.25	$\leq -21.20$	54.95	$\leq 74$	PASS
				Peak	2390.000	-42.99	$\leq -21.20$	52.21	$\leq 74$	PASS
				Peak	2390.000	-42.99	$\leq -21.20$	52.21	$\leq 74$	PASS
		High	2452	AV	2483.500	-46.09	$\leq -41.20$	49.11	$\leq 54$	PASS
				AV	2483.560	-46.1	$\leq -41.20$	49.10	$\leq 54$	PASS
				AV	2500.000	-48.21	$\leq -41.20$	46.99	$\leq 54$	PASS
				Peak	2483.500	-41.07	$\leq -21.20$	54.13	$\leq 74$	PASS
				Peak	2483.890	-39.12	$\leq -21.20$	56.08	$\leq 74$	PASS
				Peak	2500.000	-47.37	$\leq -21.20$	47.83	$\leq 74$	PASS
11AX20SI SO	Ant1	Low	2412	AV	2310.000	-49.32	$\leq -41.20$	45.88	$\leq 54$	PASS
				AV	2389.960	-44.63	$\leq -41.20$	50.57	$\leq 54$	PASS
				AV	2390.000	-44.63	$\leq -41.20$	50.57	$\leq 54$	PASS
				Peak	2310.000	-42.42	$\leq -21.20$	52.78	$\leq 74$	PASS
				Peak	2358.500	-39.47	$\leq -21.20$	55.73	$\leq 74$	PASS
				Peak	2390.000	-44.42	$\leq -21.20$	50.78	$\leq 74$	PASS
		High	2462	AV	2483.500	-46.12	$\leq -41.20$	49.08	$\leq 54$	PASS
				AV	2483.560	-46.2	$\leq -41.20$	49.00	$\leq 54$	PASS
				AV	2500.000	-48.54	$\leq -41.20$	46.66	$\leq 54$	PASS
				Peak	2483.500	-45.27	$\leq -21.20$	49.93	$\leq 74$	PASS
				Peak	2485.650	-32.15	$\leq -21.20$	63.05	$\leq 74$	PASS
				Peak	2500.000	-46.45	$\leq -21.20$	48.75	$\leq 74$	PASS
11AX40SI SO	Ant1	Low	2422	AV	2310.000	-49.34	$\leq -41.20$	45.86	$\leq 54$	PASS
				AV	2389.960	-47.2	$\leq -41.20$	48.00	$\leq 54$	PASS
				AV	2390.000	-47.2	$\leq -41.20$	48.00	$\leq 54$	PASS
				Peak	2310.000	-44.96	$\leq -21.20$	50.24	$\leq 74$	PASS
				Peak	2389.050	-29.57	$\leq -21.20$	65.63	$\leq 74$	PASS
				Peak	2390.000	-42.16	$\leq -21.20$	53.04	$\leq 74$	PASS
		High	2452	AV	2483.500	-46.18	$\leq -41.20$	49.02	$\leq 54$	PASS
				AV	2483.560	-46.21	$\leq -41.20$	48.99	$\leq 54$	PASS
				AV	2500.000	-48.1	$\leq -41.20$	47.10	$\leq 54$	PASS
				Peak	2483.500	-44.53	$\leq -21.20$	50.67	$\leq 74$	PASS
				Peak	2489.500	-36.03	$\leq -21.20$	59.17	$\leq 74$	PASS
				Peak	2500.000	-45.12	$\leq -21.20$	50.08	$\leq 74$	PASS

## Note:

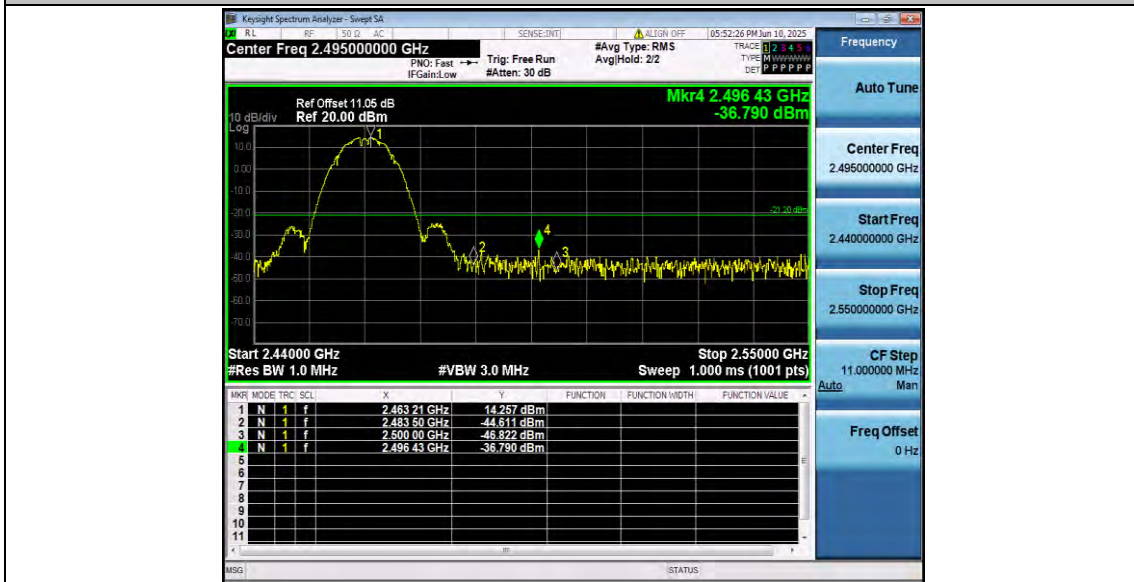
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs





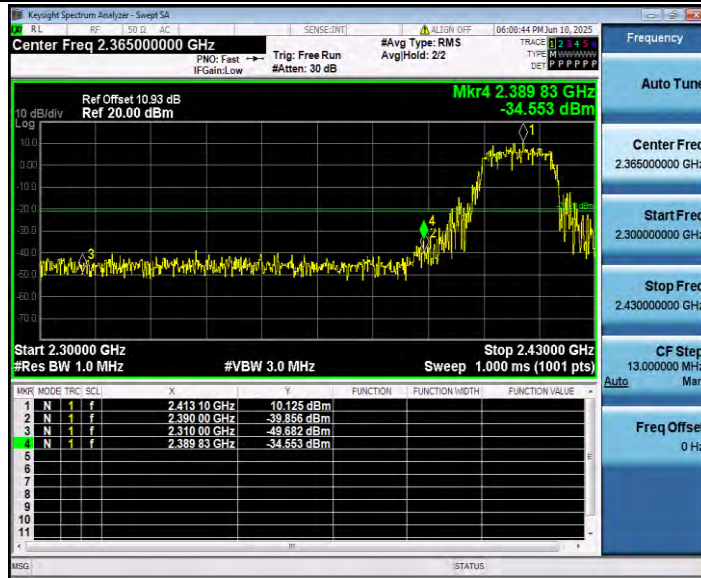
11B\_Ant1\_High\_2462\_Peak



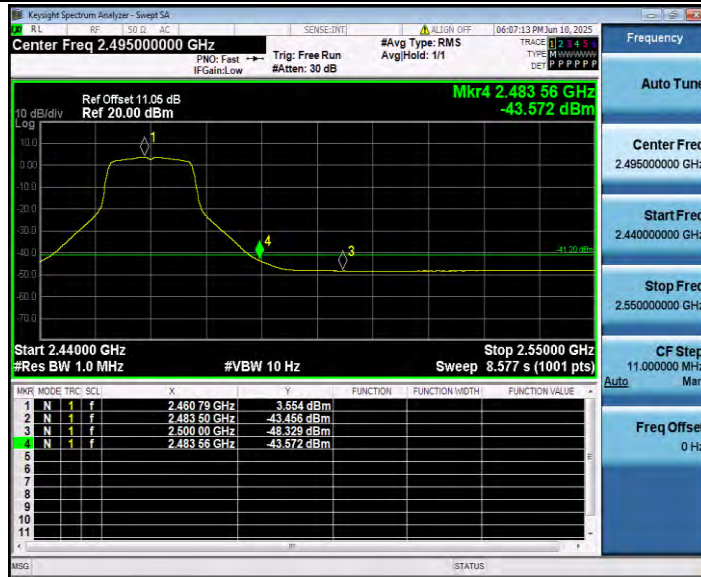
11G\_Ant1\_Low\_2412\_AV



11G\_Ant1\_Low\_2412\_Peak



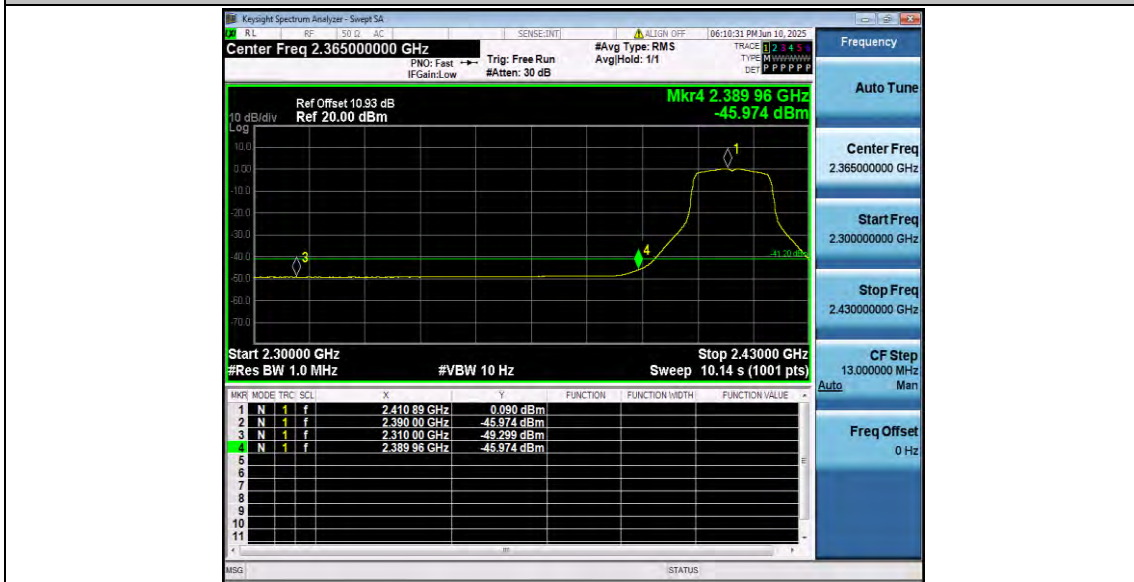
11G\_Ant1\_High\_2462\_AV



11G\_Ant1\_High\_2462\_Peak



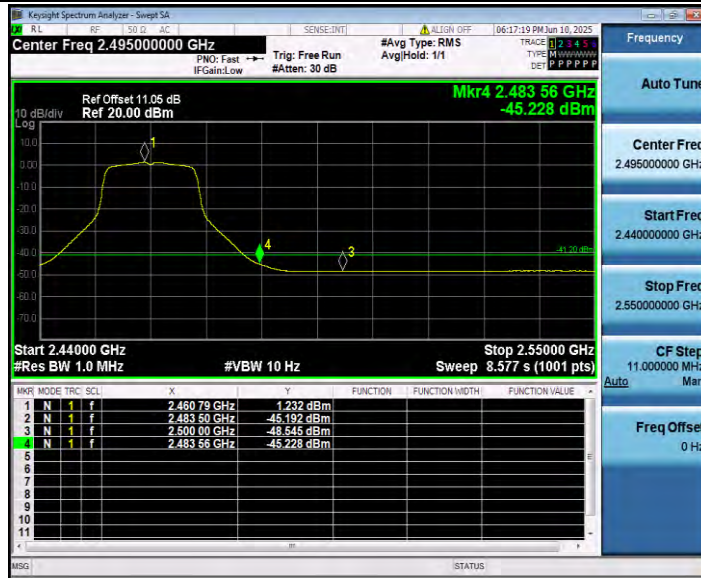
11N20SISO\_Ant1\_Low\_2412\_AV



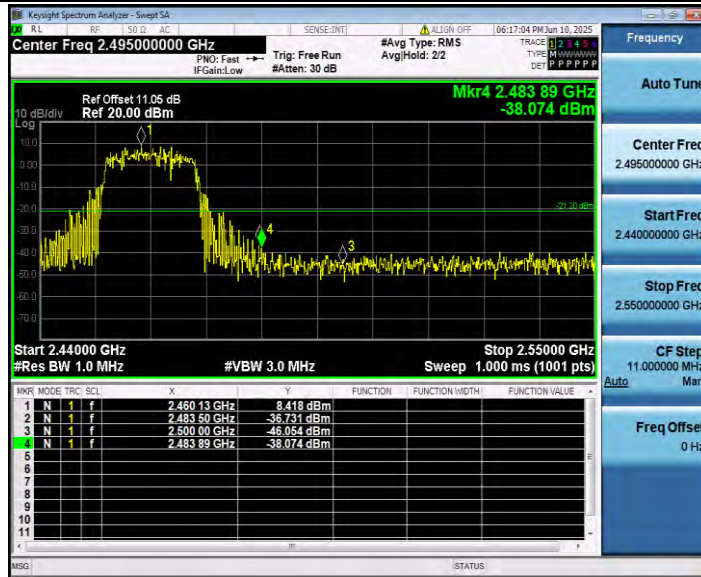
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



11N20SISO\_Ant1\_High\_2462\_Peak

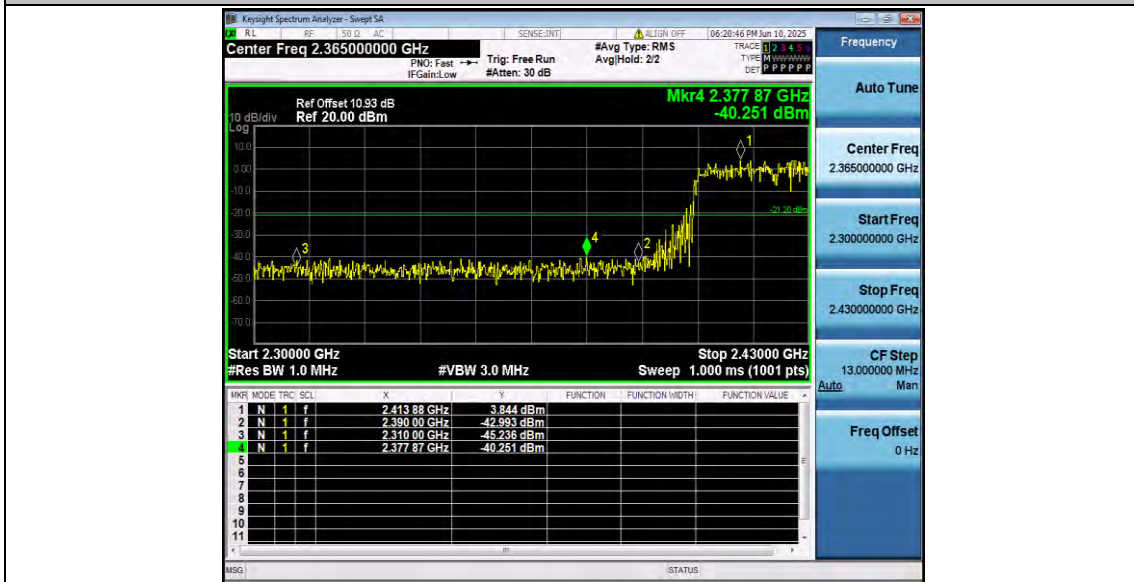


11N40SISO\_Ant1\_Low\_2422\_AV





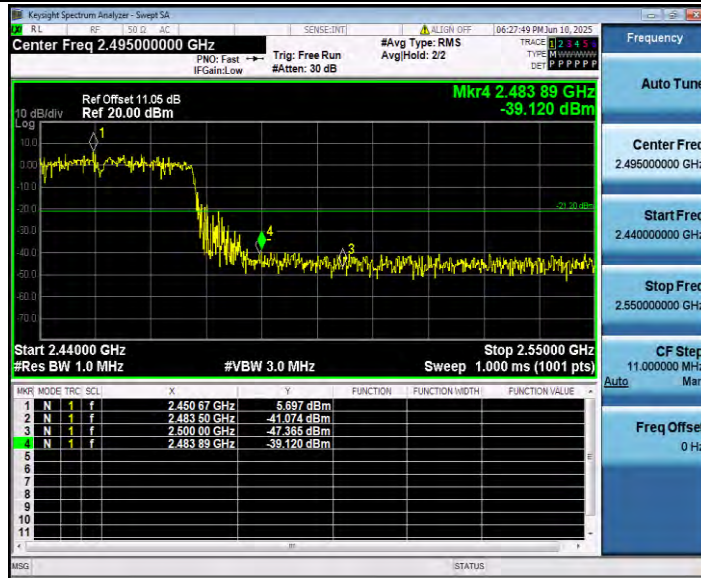
11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV



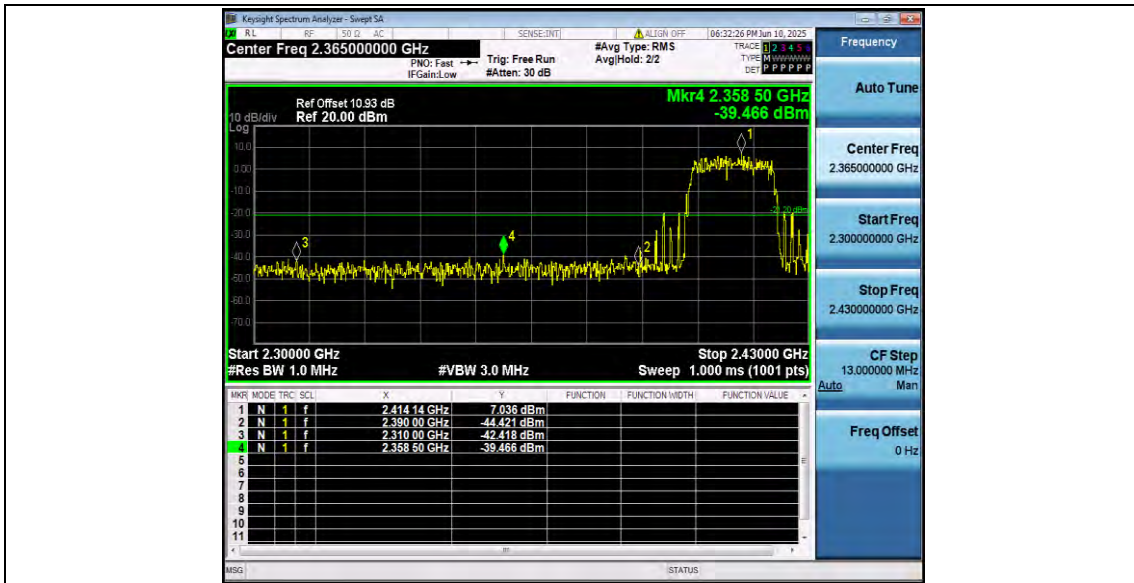
11N40SISO\_Ant1\_High\_2452\_Peak



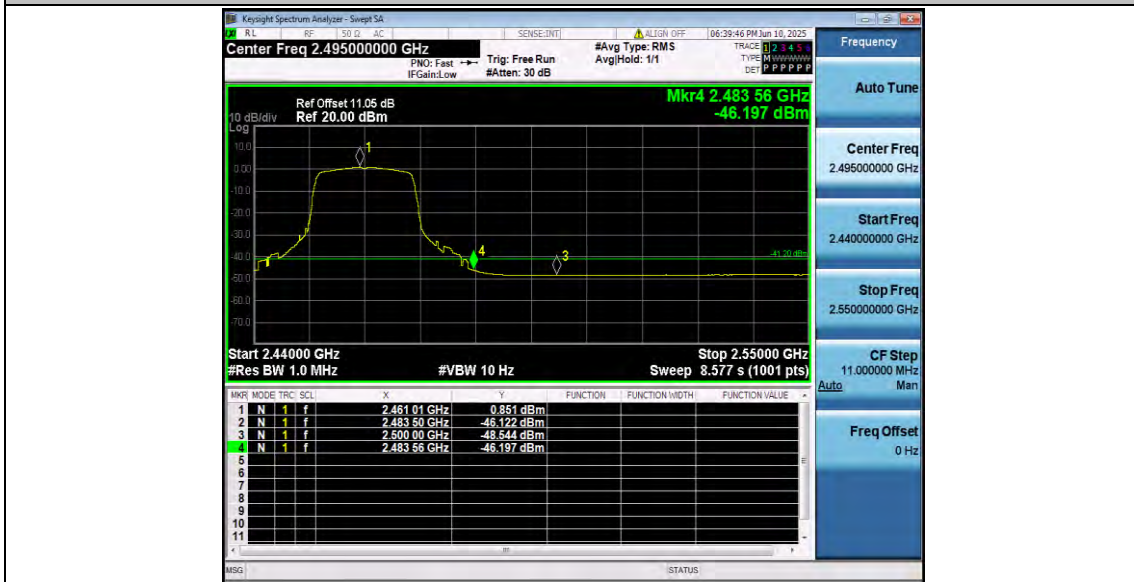
11AX20SISO\_Ant1\_Low\_2412\_AV



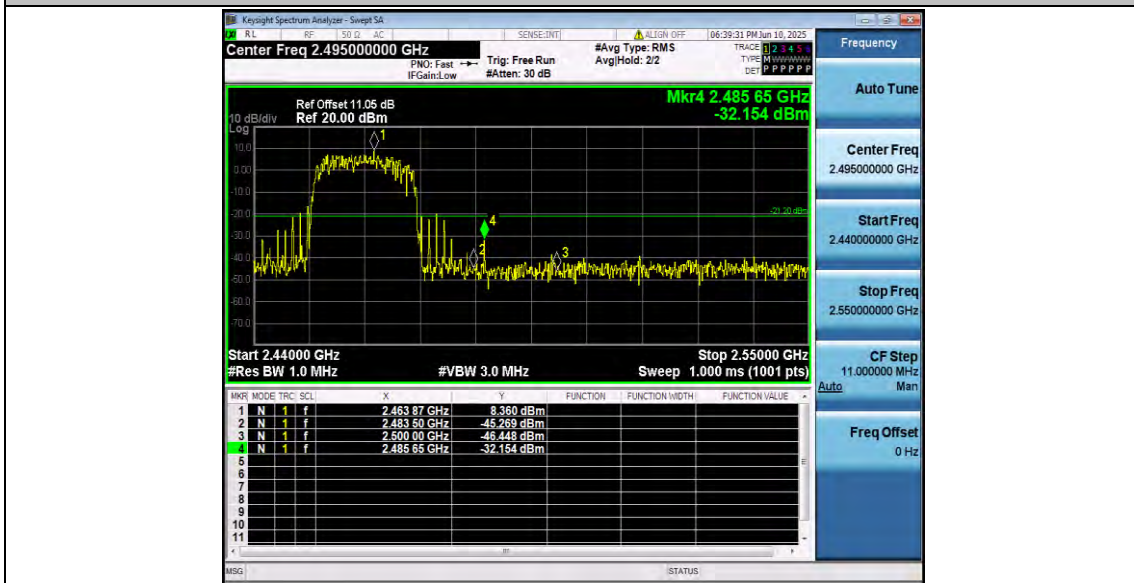
11AX20SISO\_Ant1\_Low\_2412\_Peak



11AX20SISO\_Ant1\_High\_2462\_AV



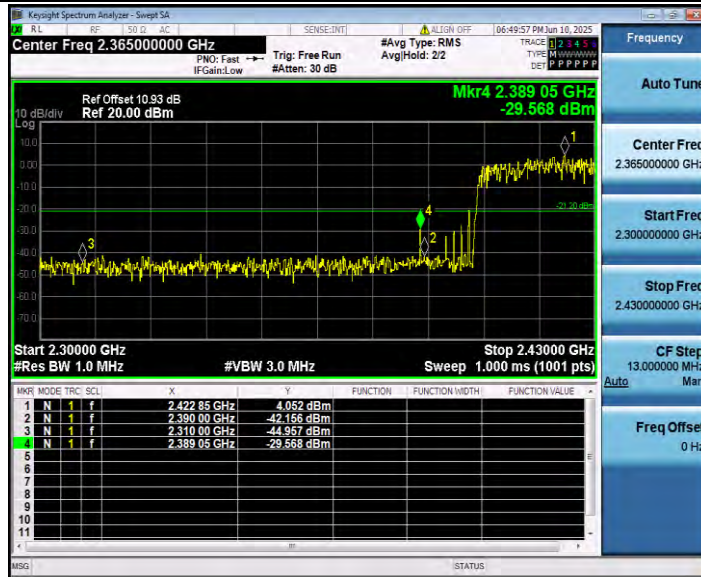
11AX20SISO\_Ant1\_High\_2462\_Peak



11AX40SISO\_Ant1\_Low\_2422\_AV



11AX40SISO\_Ant1\_Low\_2422\_Peak



11AX40SISO\_Ant1\_High\_2452\_AV



11AX40SISO\_Ant1\_High\_2452\_Peak

