

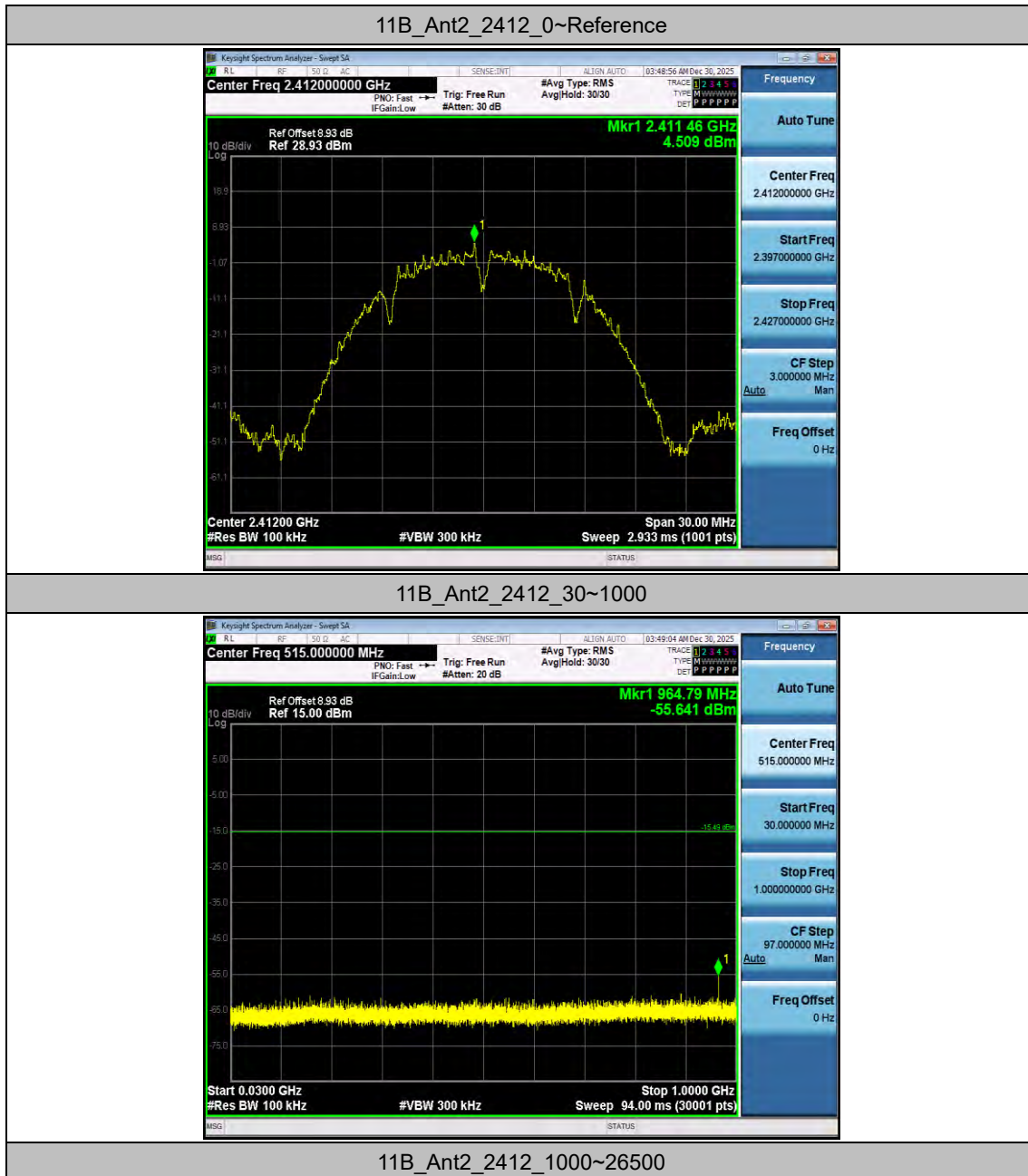
Appendix C.6:Conducted Spurious Emission

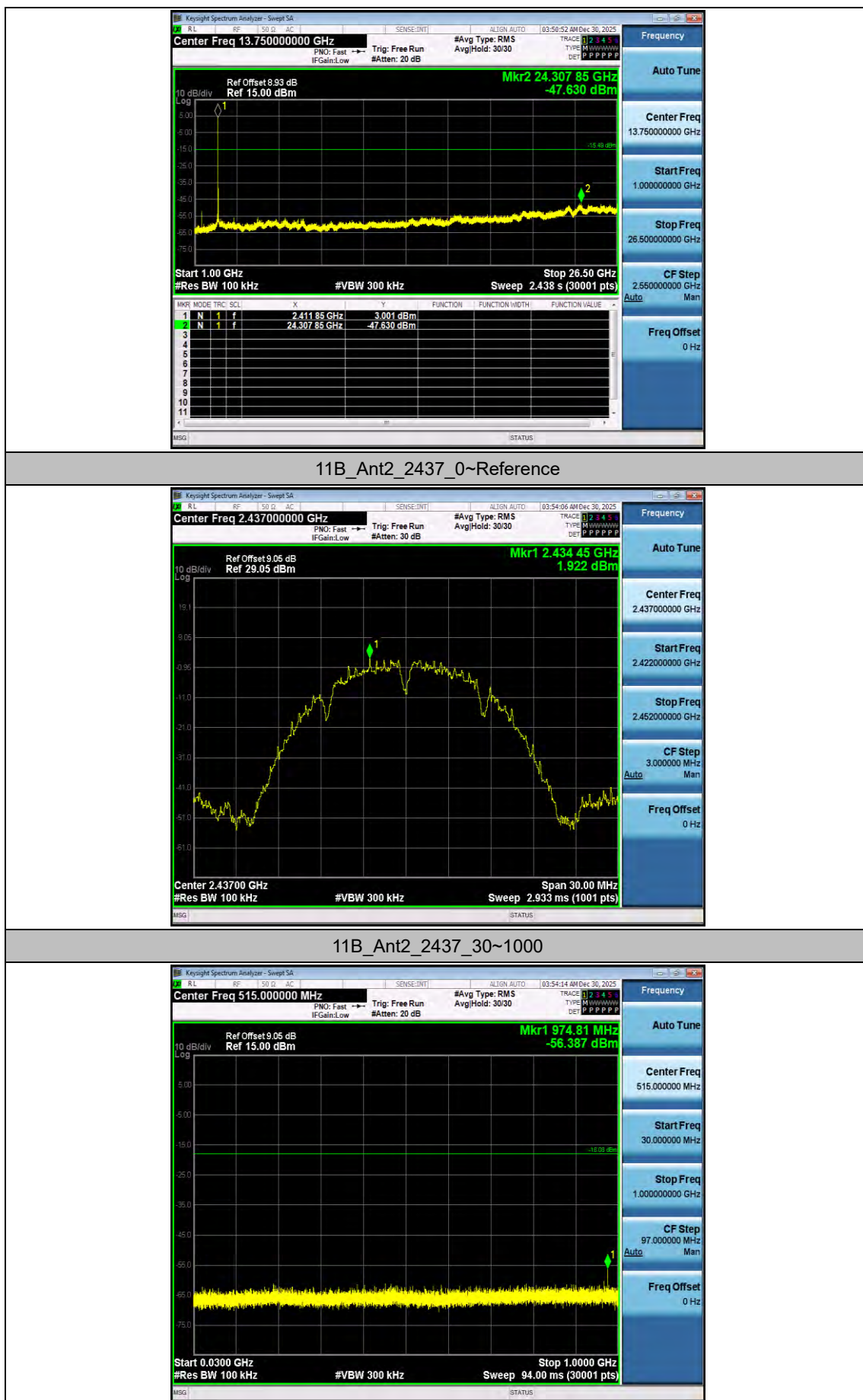
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	4.51	4.51	---	PASS
			30~1000	4.51	-55.64	≤-15.49	PASS
			1000~26500	4.51	-47.63	≤-15.49	PASS
		2437	Reference	1.92	1.92	---	PASS
			30~1000	1.92	-56.39	≤-18.08	PASS
			1000~26500	1.92	-47.07	≤-18.08	PASS
		2462	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-56.9	≤-17.67	PASS
			1000~26500	2.33	-47.52	≤-17.67	PASS
11G	Ant2	2412	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-60.65	≤-22.08	PASS
			1000~26500	-2.08	-47.7	≤-22.08	PASS
		2437	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-59.42	≤-19.7	PASS
			1000~26500	0.30	-48.17	≤-19.7	PASS
		2462	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-60.84	≤-20.53	PASS
			1000~26500	-0.53	-48.01	≤-20.53	PASS
11N20SISO	Ant2	2412	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-60.62	≤-20.59	PASS
			1000~26500	-0.59	-46.42	≤-20.59	PASS
		2437	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-59.57	≤-19.97	PASS
			1000~26500	0.03	-47.85	≤-19.97	PASS
		2462	Reference	0.20	0.20	---	PASS
			30~1000	0.20	-59.93	≤-19.8	PASS
			1000~26500	0.20	-47.6	≤-19.8	PASS
11N40SISO	Ant2	2422	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-60.91	≤-22.94	PASS
			1000~26500	-2.94	-47.16	≤-22.94	PASS
		2437	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-60.32	≤-23.16	PASS
			1000~26500	-3.16	-47.66	≤-23.16	PASS
		2452	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-60.02	≤-22.48	PASS
			1000~26500	-2.48	-47.03	≤-22.48	PASS

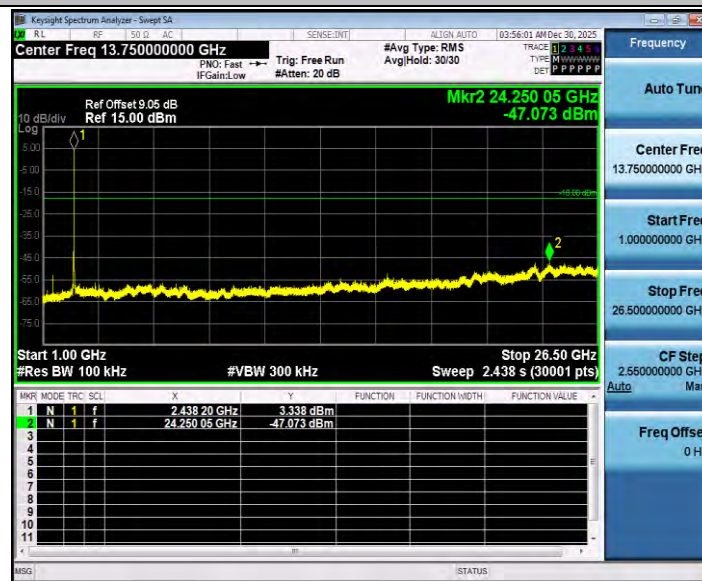
11AX20SISO	Ant2	2412	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-60.28	≤ -21.14	PASS
			1000~26500	-1.14	-48.08	≤ -21.14	PASS
		2437	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-60.54	≤ -20.36	PASS
			1000~26500	-0.36	-47.89	≤ -20.36	PASS
		2462	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-60.33	≤ -21.16	PASS
			1000~26500	-1.16	-47.86	≤ -21.16	PASS
11AX40SISO	Ant2	2422	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-59.96	≤ -25.45	PASS
			1000~26500	-5.45	-47.73	≤ -25.45	PASS
		2437	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-60.89	≤ -24.28	PASS
			1000~26500	-4.28	-47.3	≤ -24.28	PASS
		2452	Reference	-4.31	-4.31	---	PASS
			30~1000	-4.31	-59.62	≤ -24.31	PASS
			1000~26500	-4.31	-48.1	≤ -24.31	PASS

Test Graphs





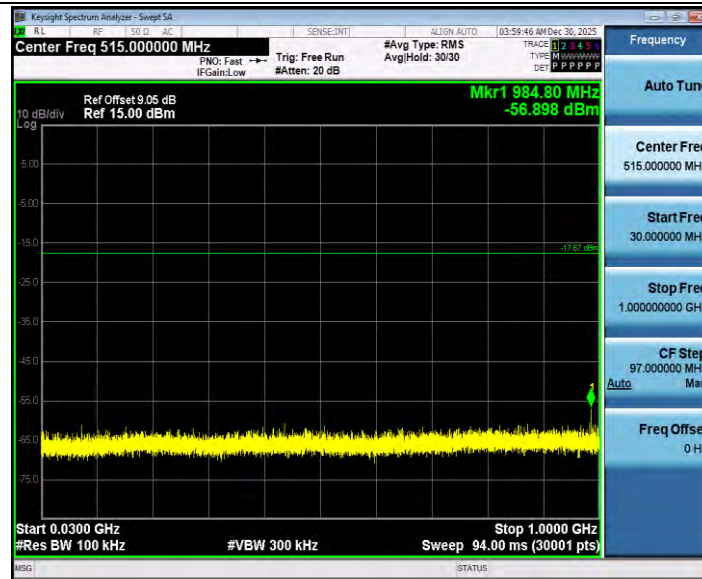
11B_Ant2_2437_1000~26500



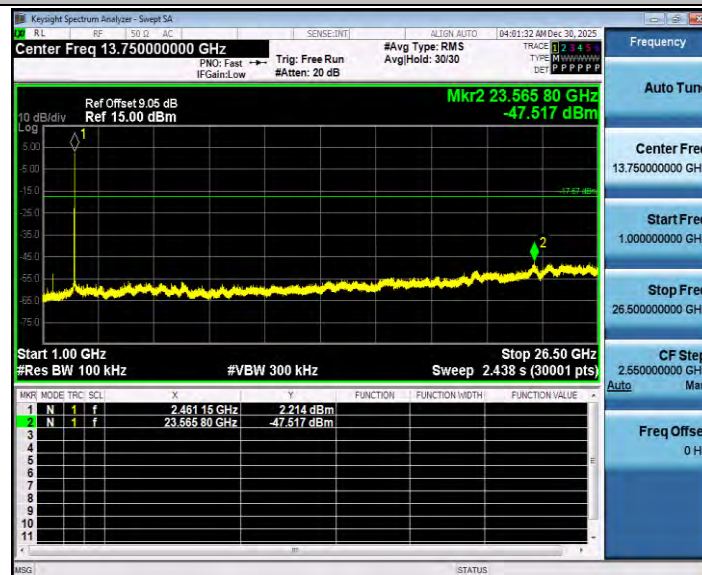
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000

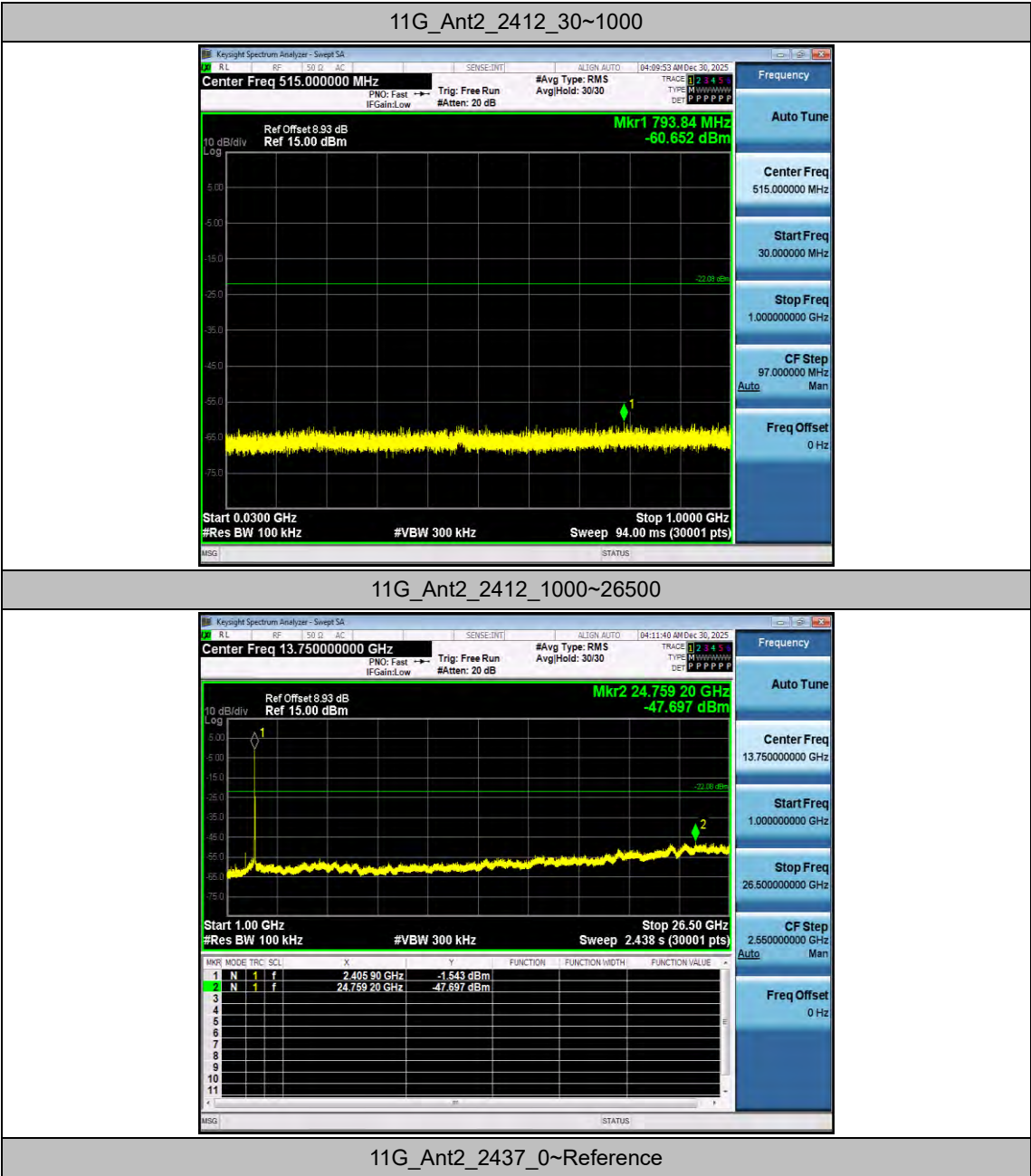


11B_Ant2_2462_1000~26500



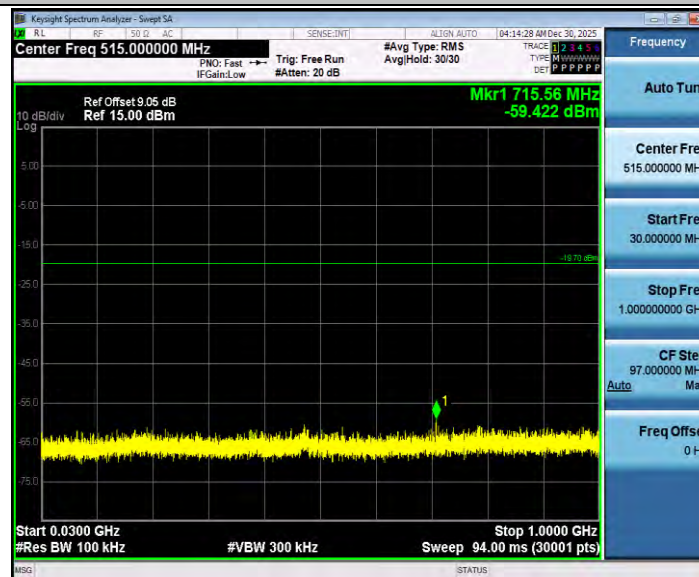
11G_Ant2_2412_0~Reference



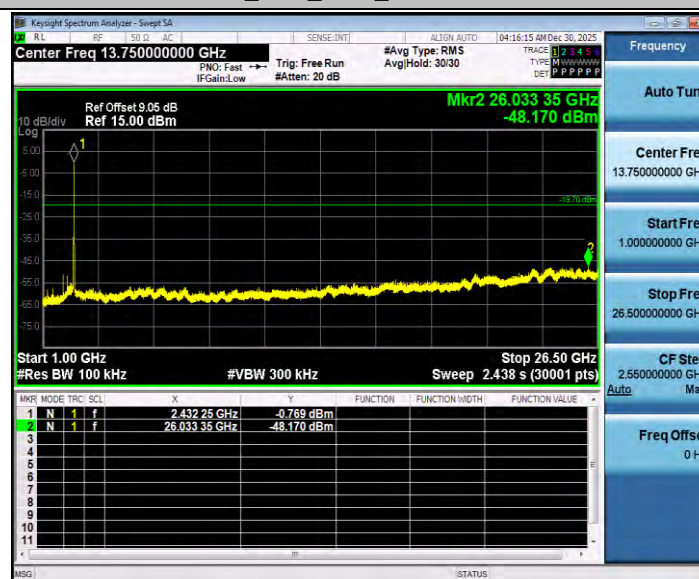




11G_Ant2_2437_30~1000



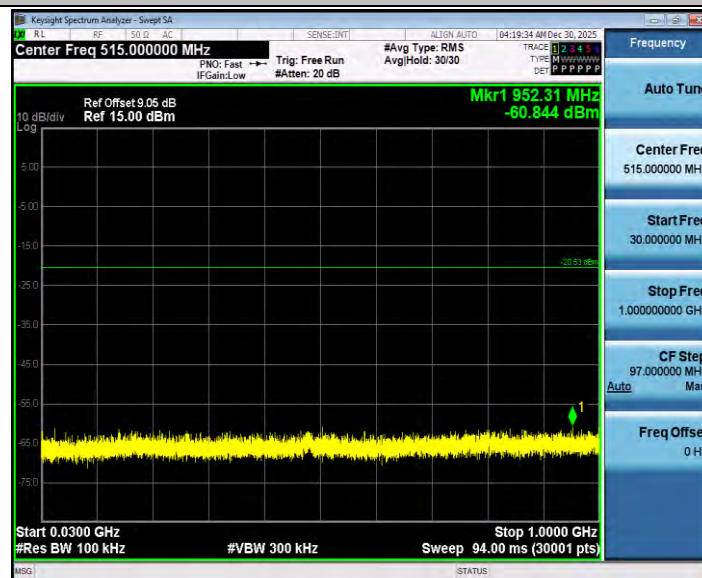
11G_Ant2_2437_1000~26500



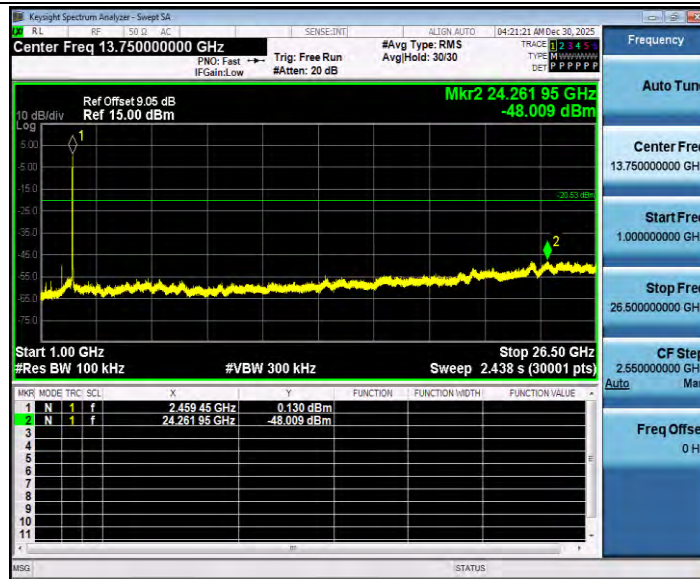
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



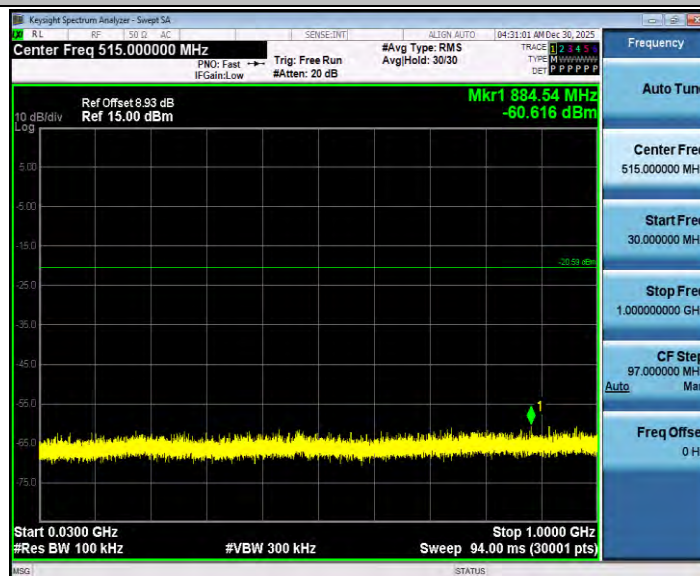
11G_Ant2_2462_1000~26500

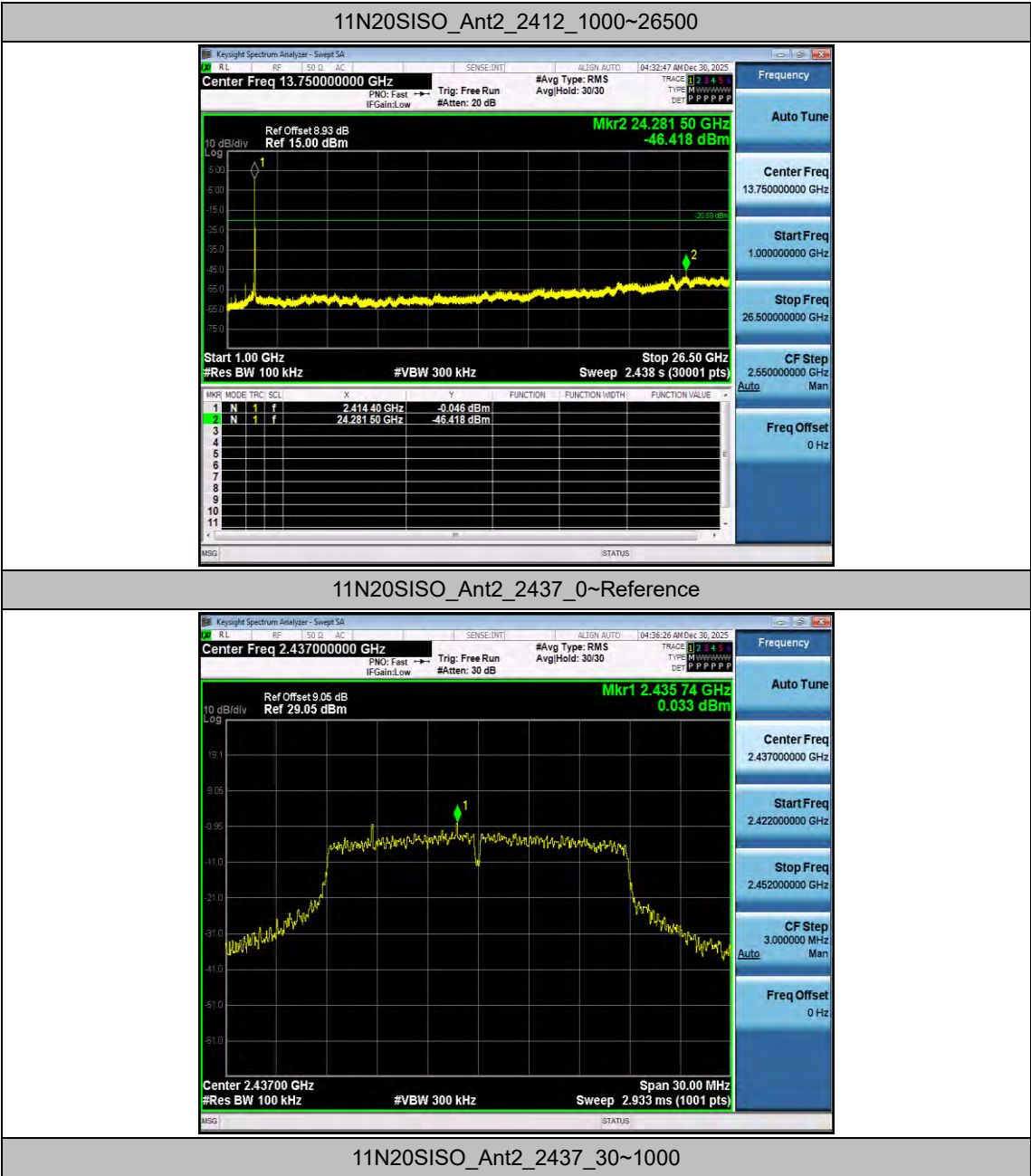


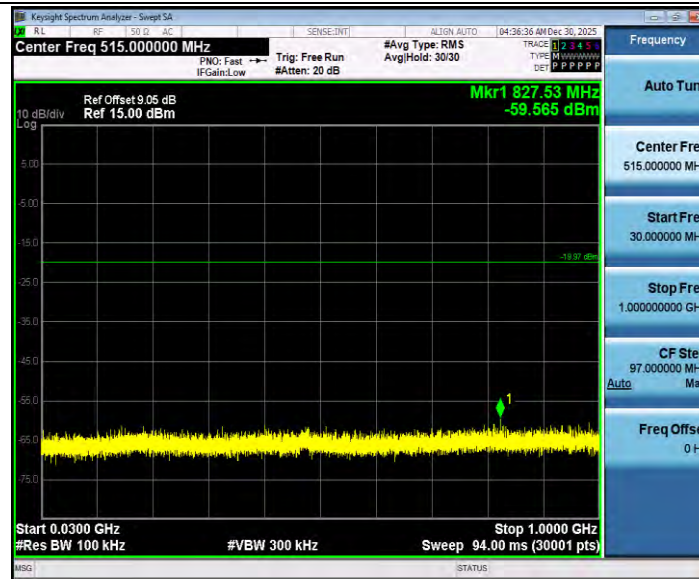
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000





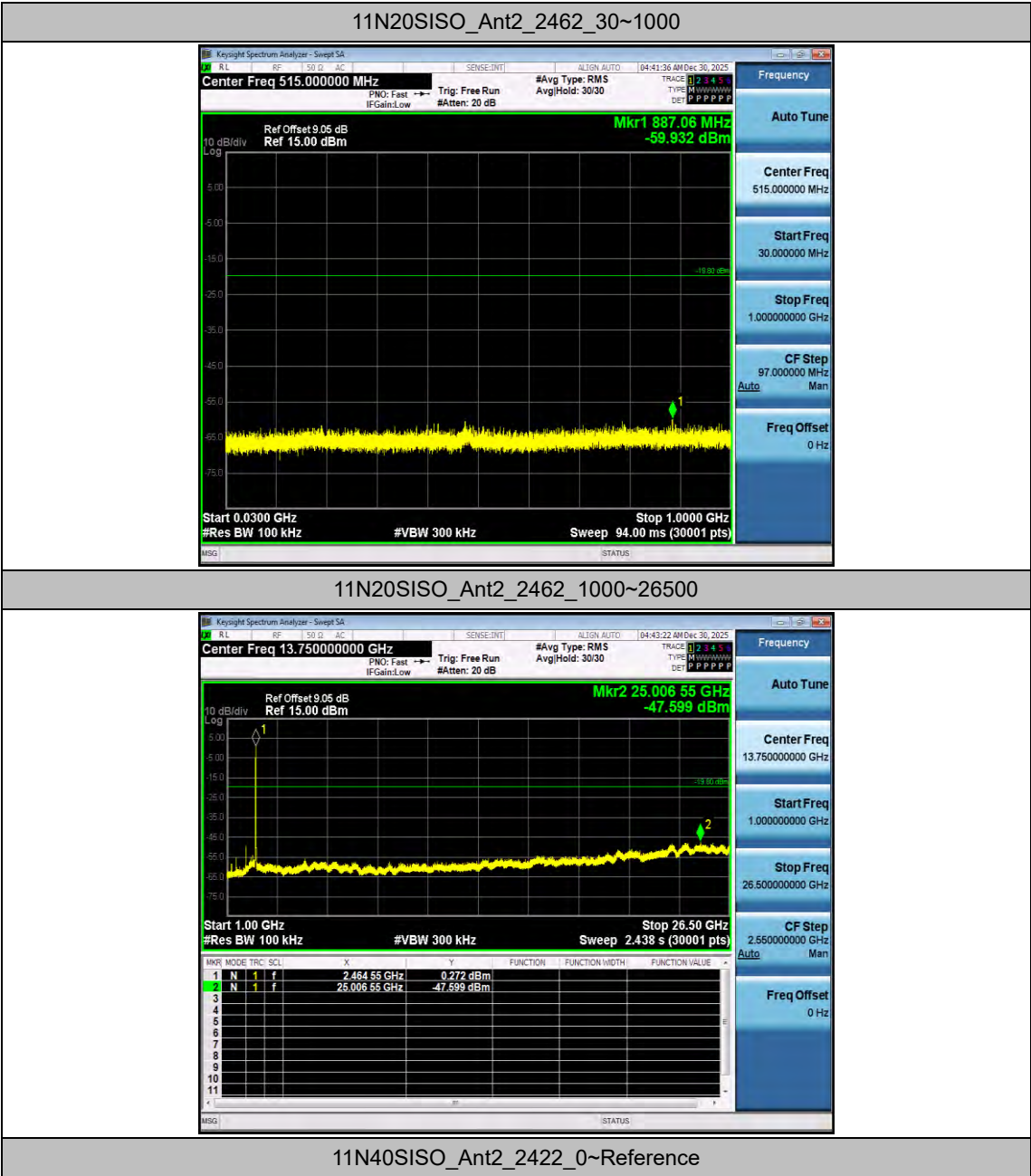


11N20SISO_Ant2_2437_1000~26500



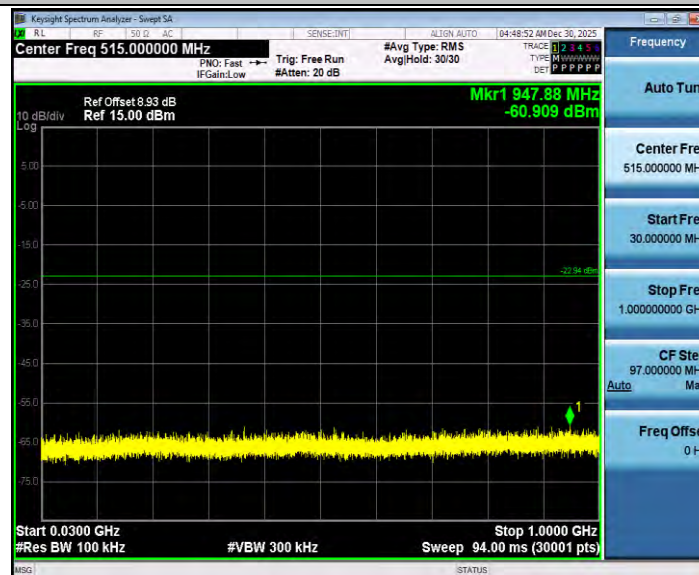
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



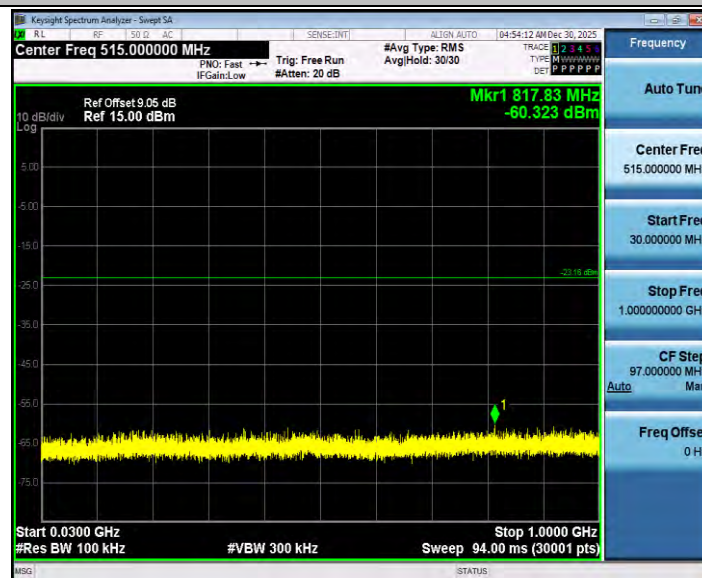
11N40SISO_Ant2_2422_1000~26500



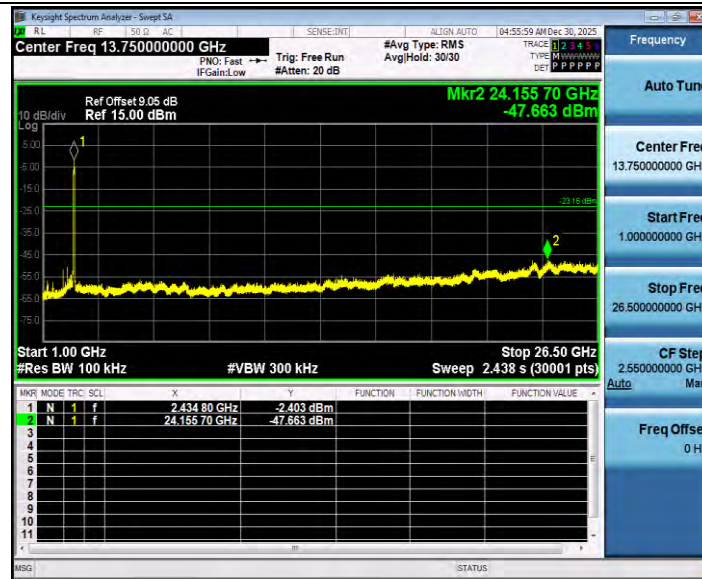
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



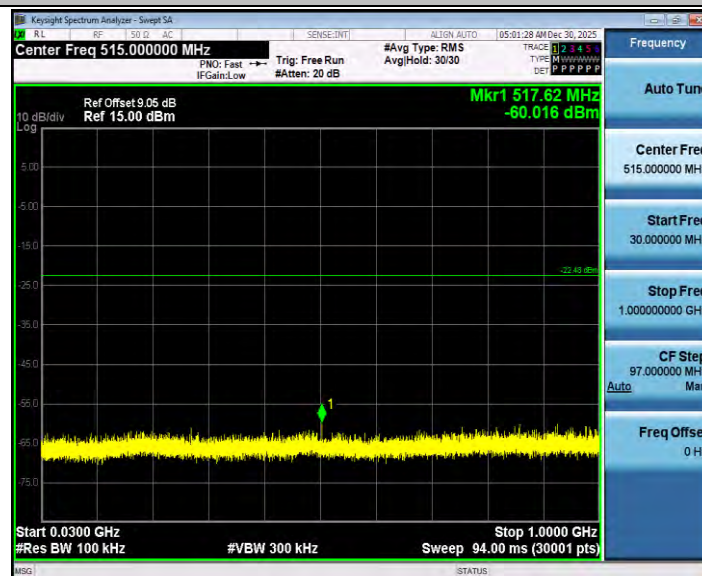
11N40SISO_Ant2_2437_1000~26500



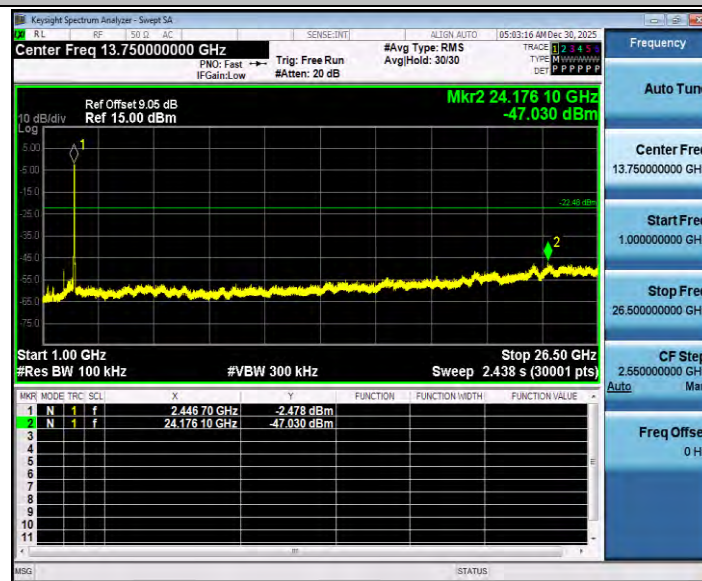
11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



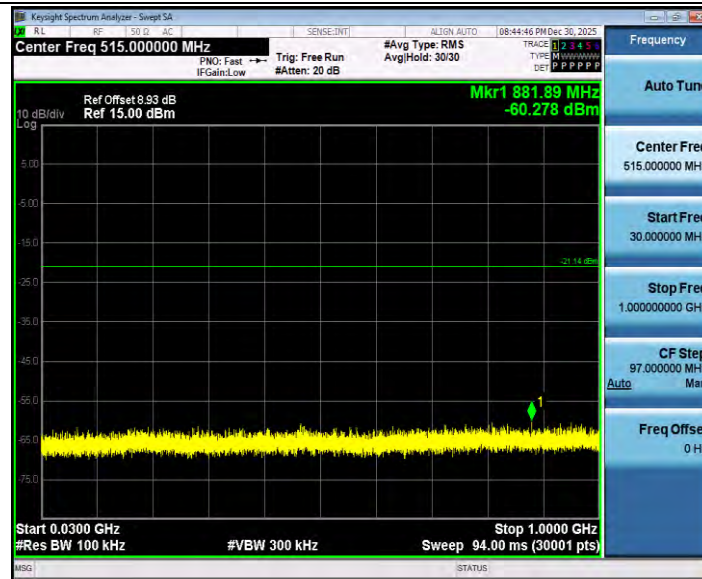
11N40SISO_Ant2_2452_1000~26500



11AX20SISO_Ant2_2412_0~Reference



11AX20SISO_Ant2_2412_30~1000

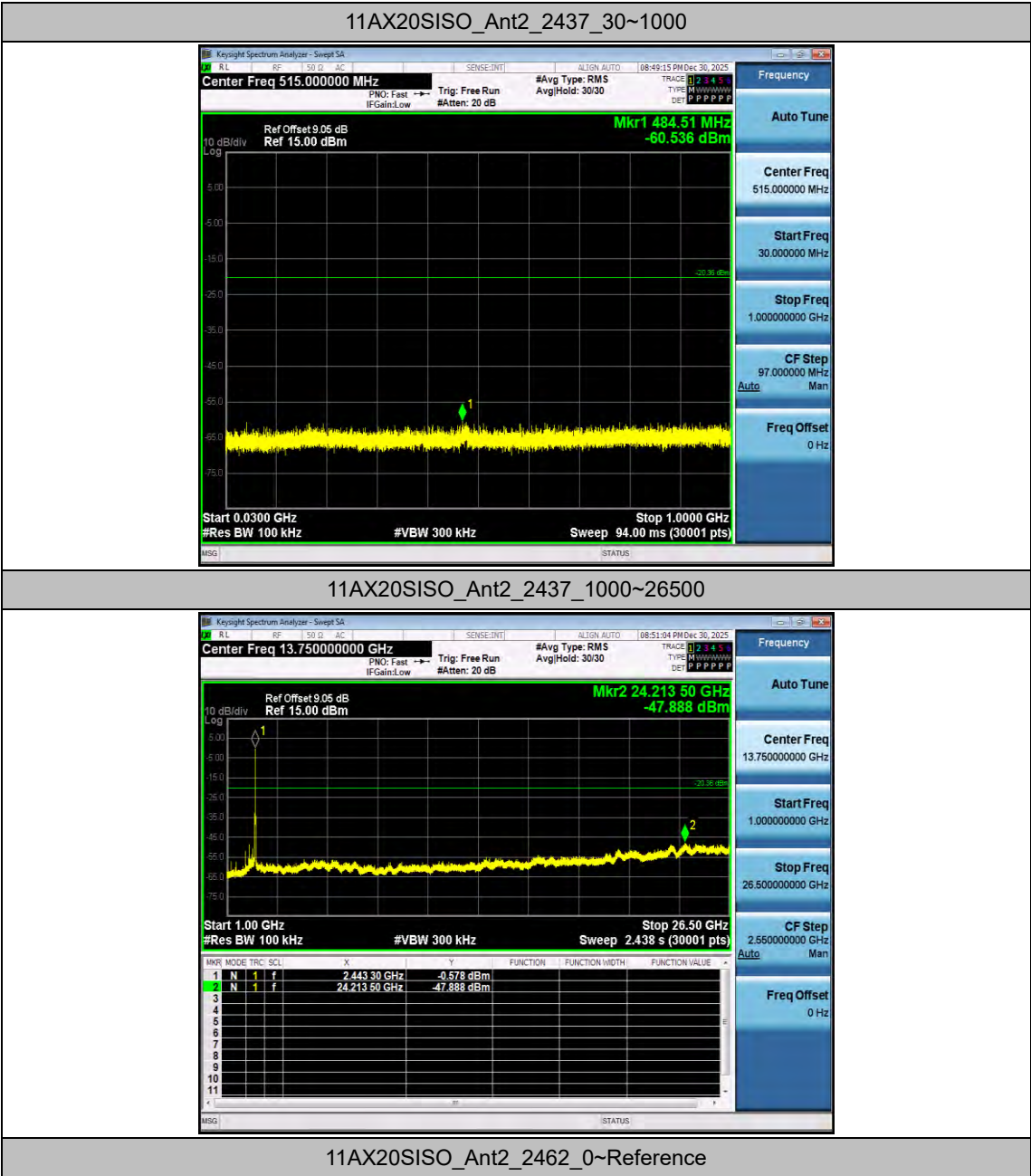


11AX20SISO_Ant2_2412_1000~26500



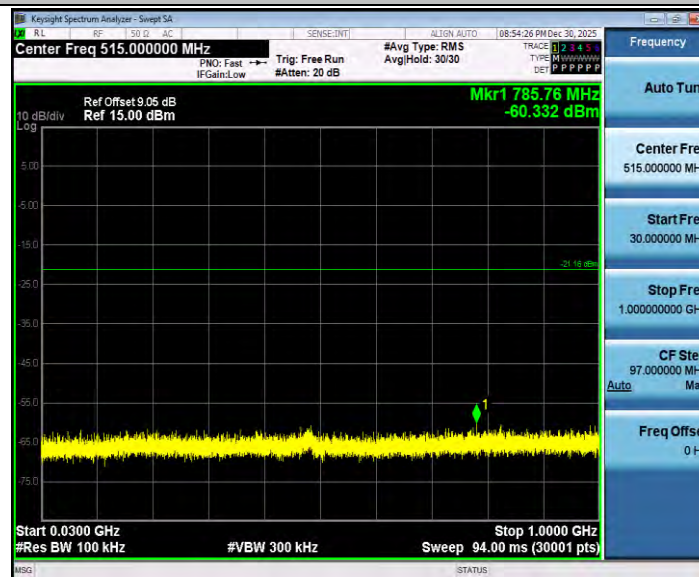
11AX20SISO_Ant2_2437_0~Reference







11AX20SISO_Ant2_2462_30~1000



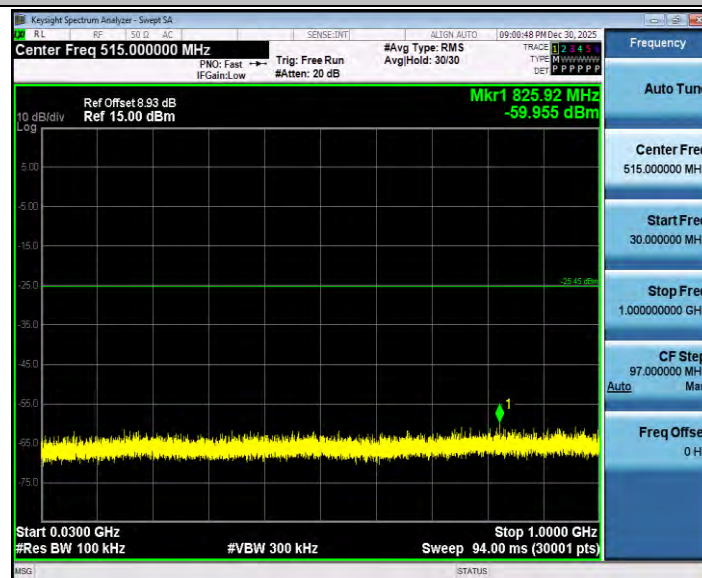
11AX20SISO_Ant2_2462_1000~26500



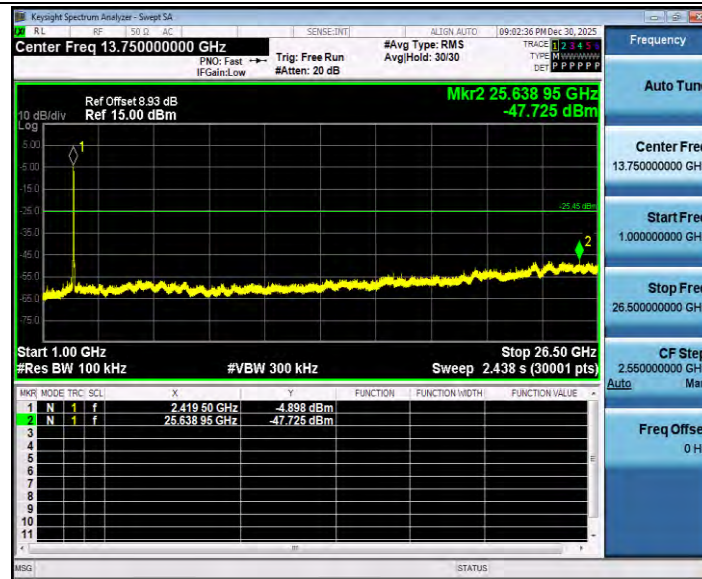
11AX40SISO_Ant2_2422_0~Reference



11AX40SISO_Ant2_2422_30~1000



11AX40SISO_Ant2_2422_1000~26500



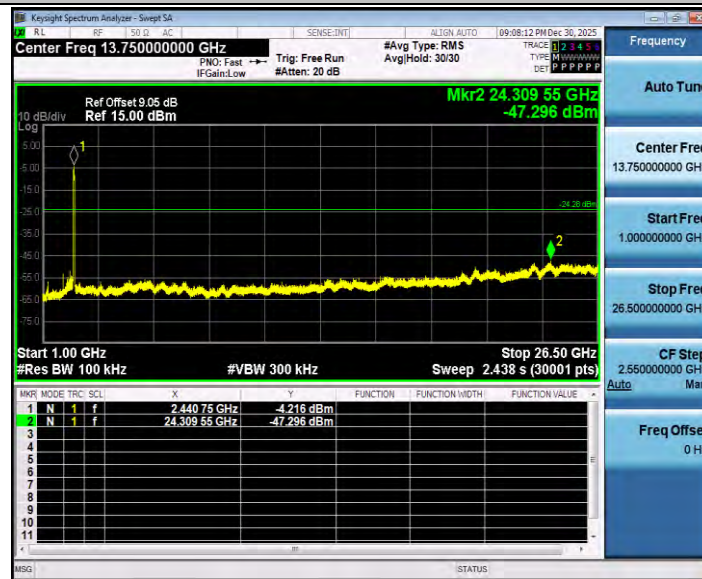
11AX40SISO_Ant2_2437_0~Reference



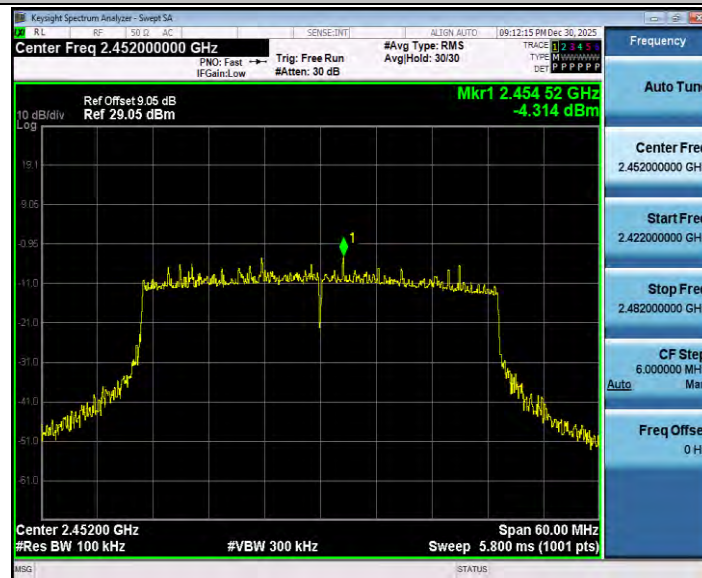
11AX40SISO_Ant2_2437_30~1000



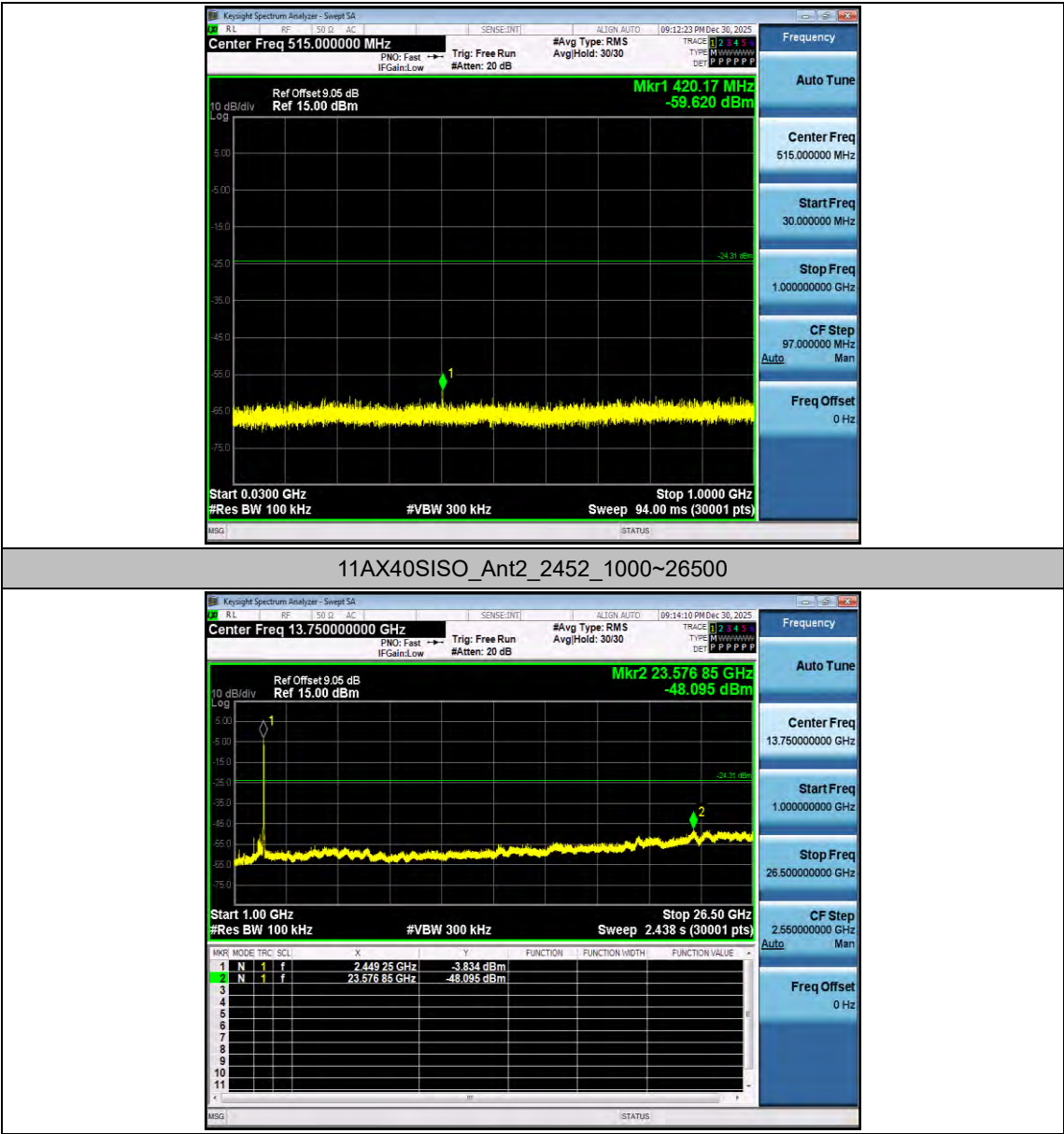
11AX40SISO_Ant2_2437_1000~26500



11AX40SISO_Ant2_2452_0~Reference



11AX40SISO_Ant2_2452_30~1000

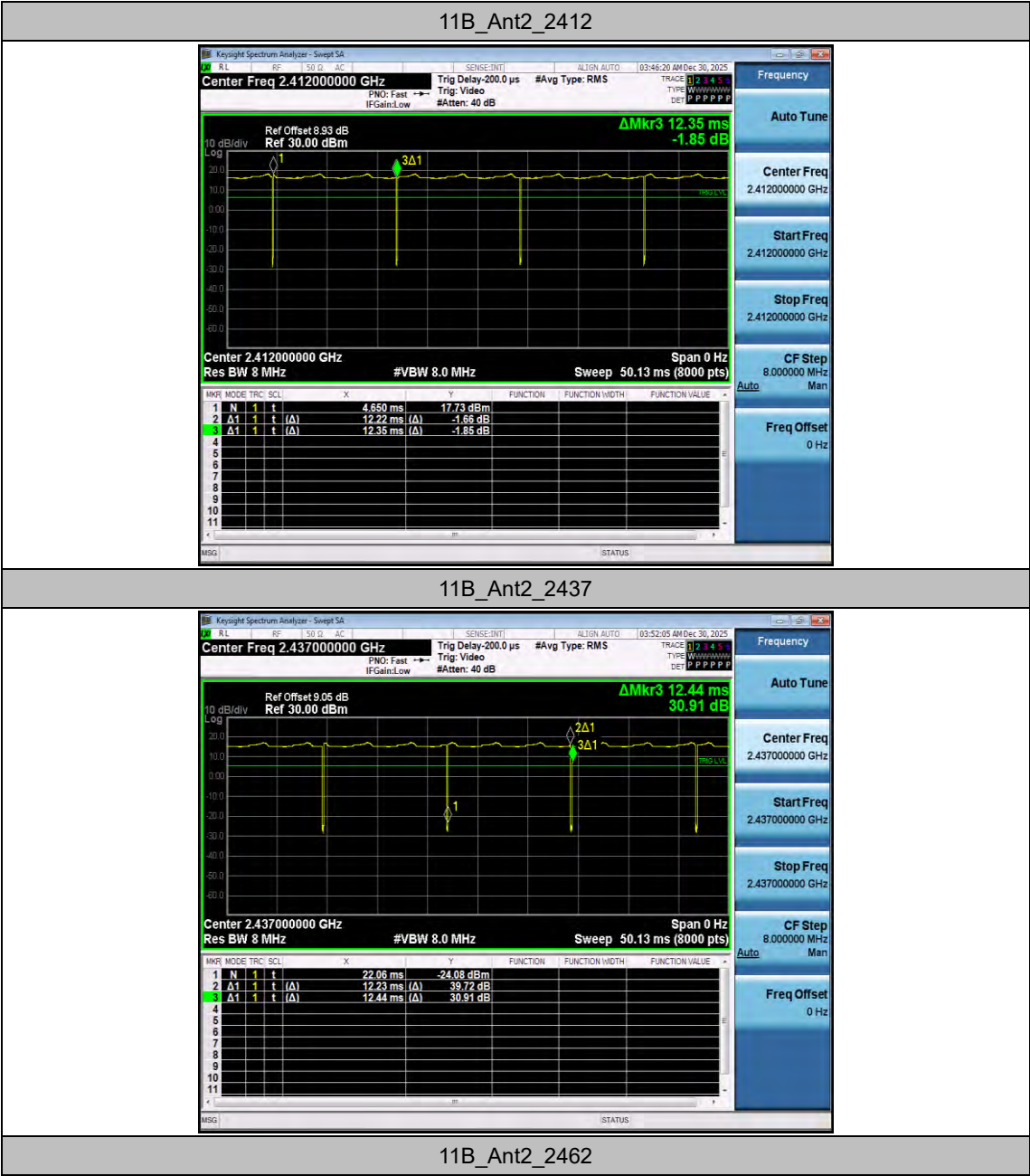


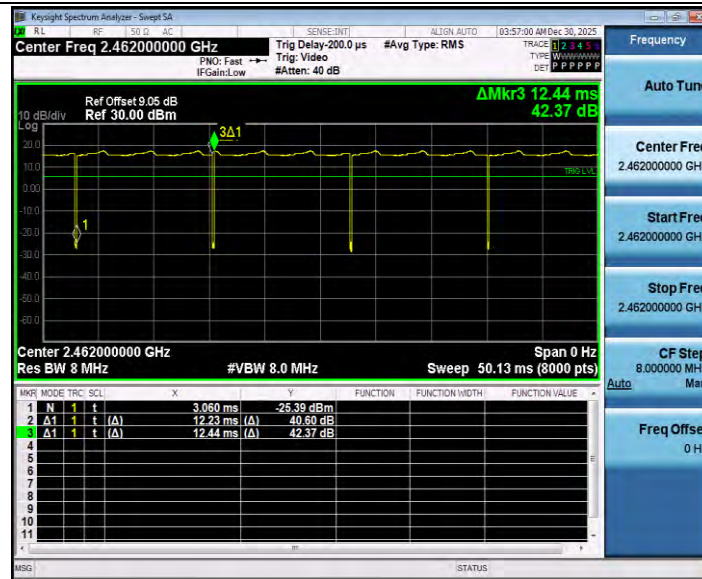
Appendix C.7: Duty Cycle

Test Result

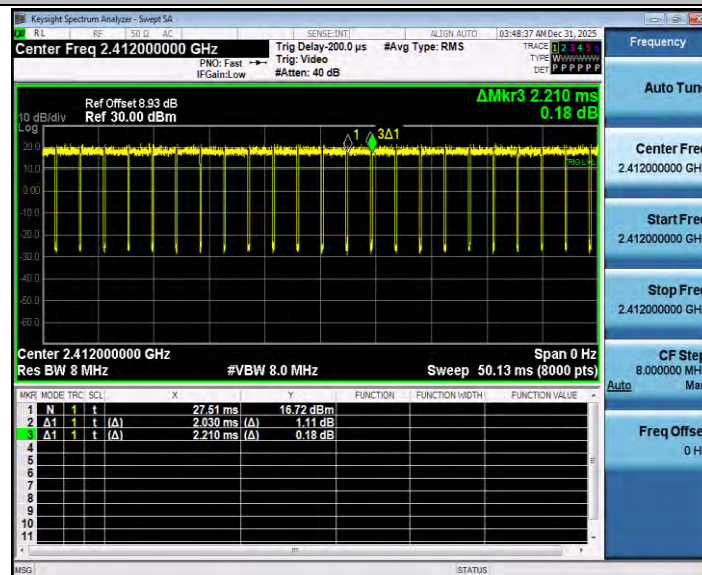
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/TFact or [KHz]
11B	Ant2	2412	12.22	12.35	98.95	0.05	0.08
		2437	12.23	12.44	98.31	0.07	0.08
		2462	12.23	12.44	98.31	0.07	0.08
11G	Ant2	2412	2.03	2.21	91.86	0.37	0.49
		2437	2.03	2.27	89.43	0.49	0.49
		2462	2.03	2.27	89.43	0.49	0.49
11N20SISO	Ant2	2412	1.89	2.42	78.10	1.07	0.53
		2437	1.90	2.13	89.20	0.50	0.53
		2462	1.88	2.12	88.68	0.52	0.53
11N40SISO	Ant2	2422	0.93	1.16	80.17	0.96	1.08
		2437	0.93	1.16	80.17	0.96	1.08
		2452	0.92	1.15	80.00	0.97	1.09
11AX20SISO	Ant2	2412	1.47	1.64	89.63	0.48	0.68
		2437	1.46	1.62	90.12	0.45	0.68
		2462	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant2	2422	0.76	0.99	76.77	1.15	1.32
		2437	0.76	1.32	57.58	2.40	1.32
		2452	0.76	1.00	76.00	1.19	1.32

Test Graphs

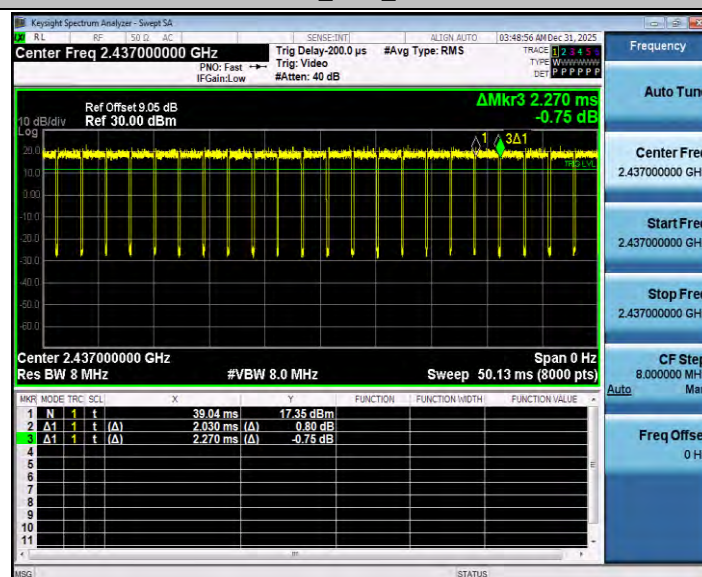




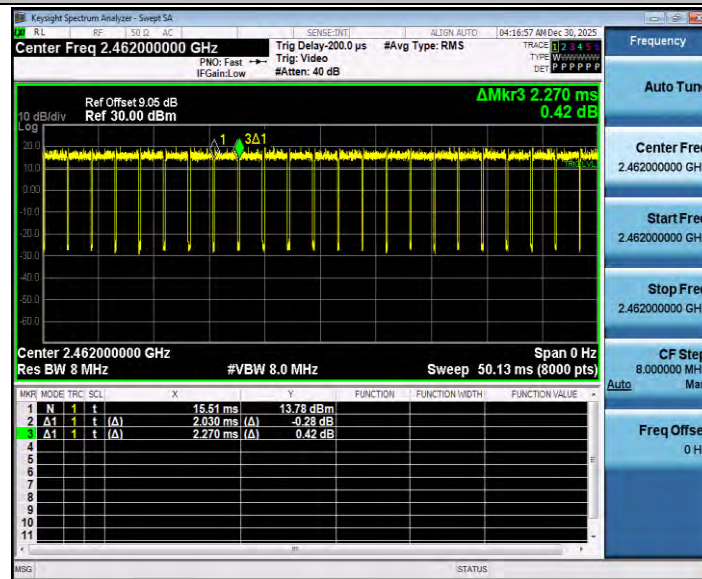
11G_Ant2_2412



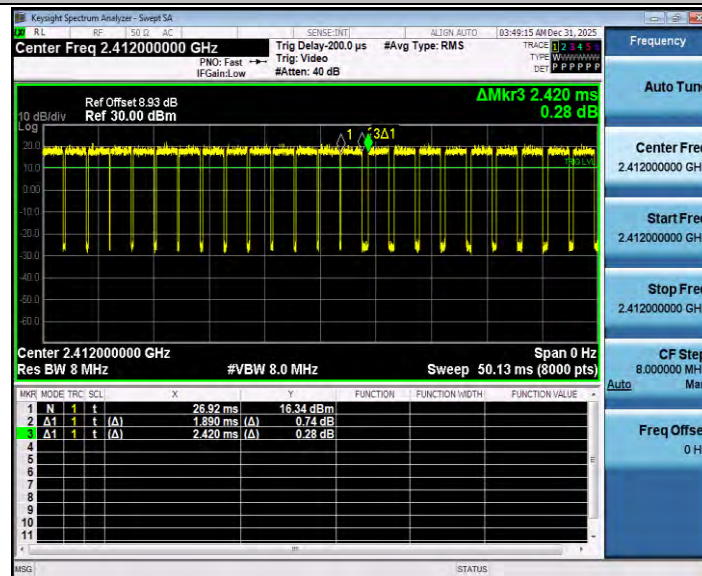
11G_Ant2_2437



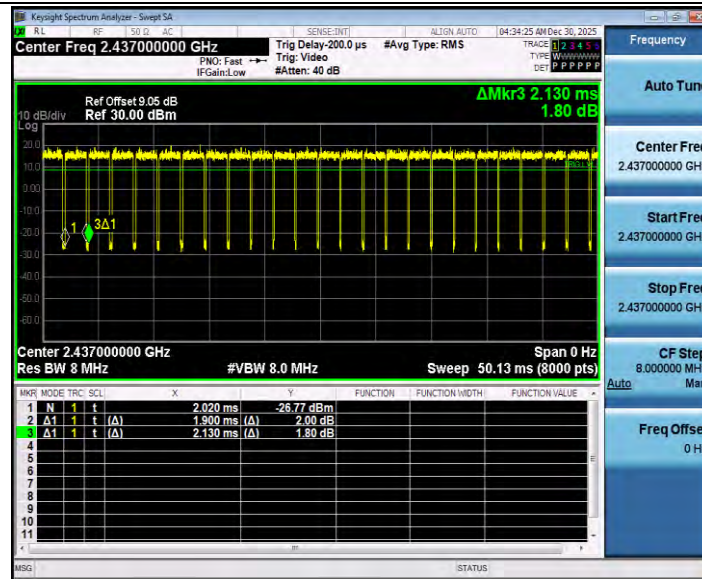
11G_Ant2_2462



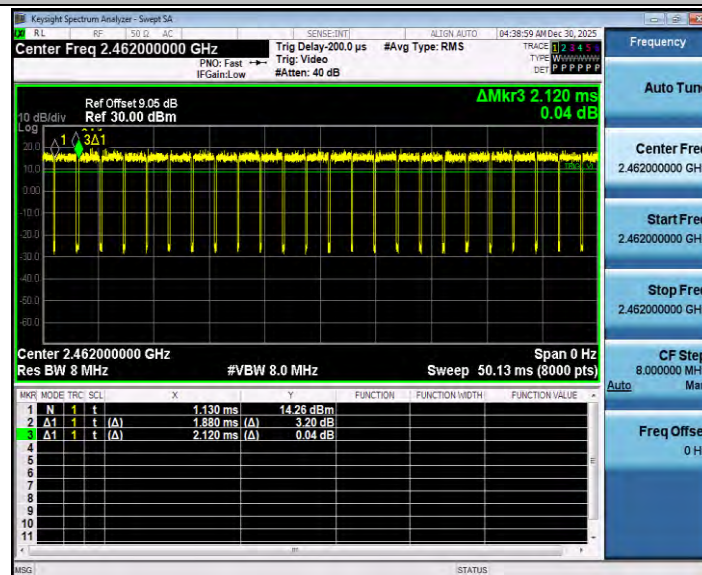
11N20SISO_Ant2_2412



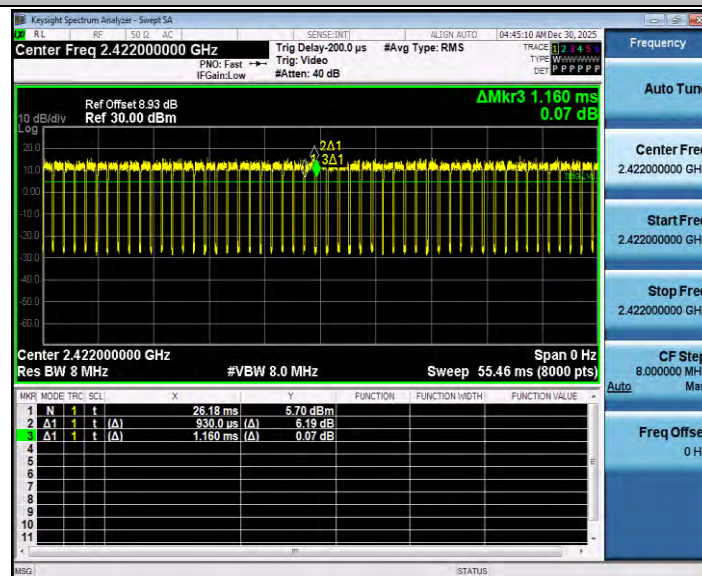
11N20SISO_Ant2_2437

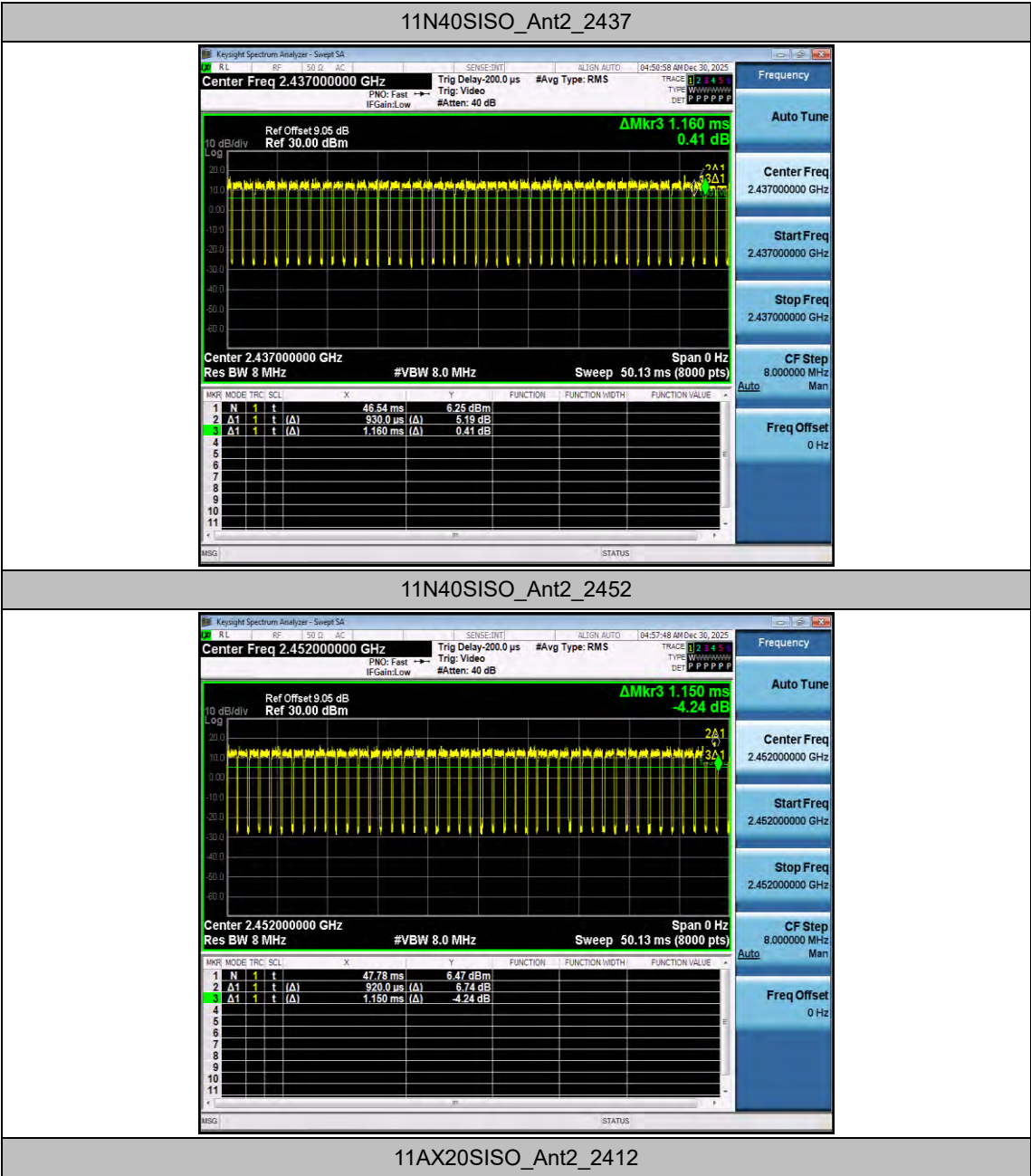


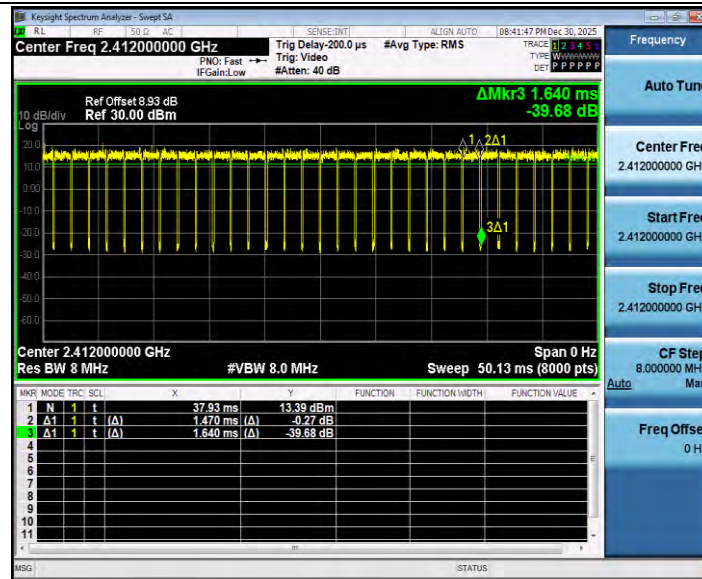
11N20SISO_Ant2_2462



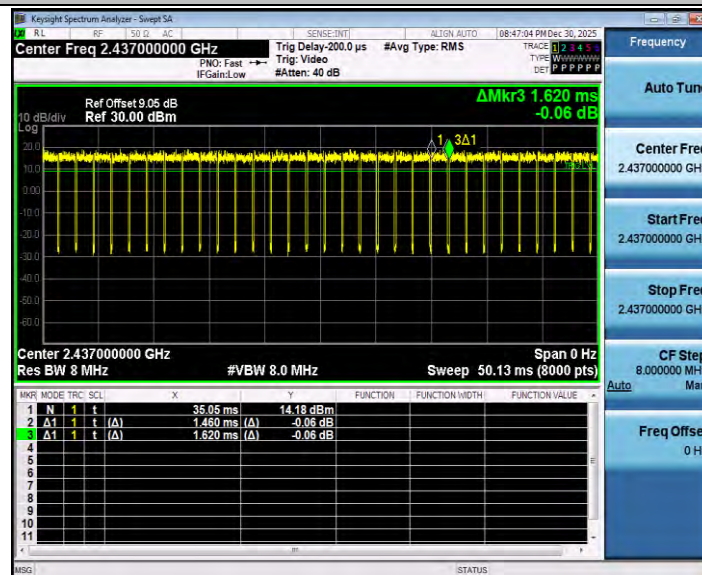
11N40SISO_Ant2_2422



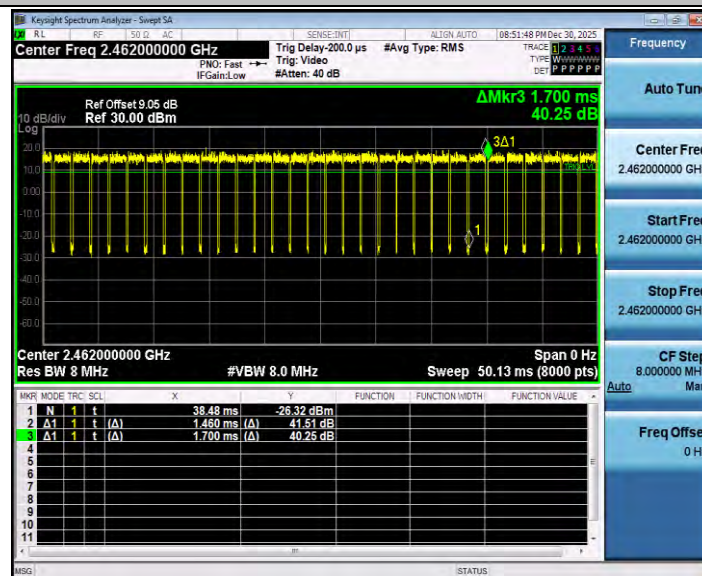




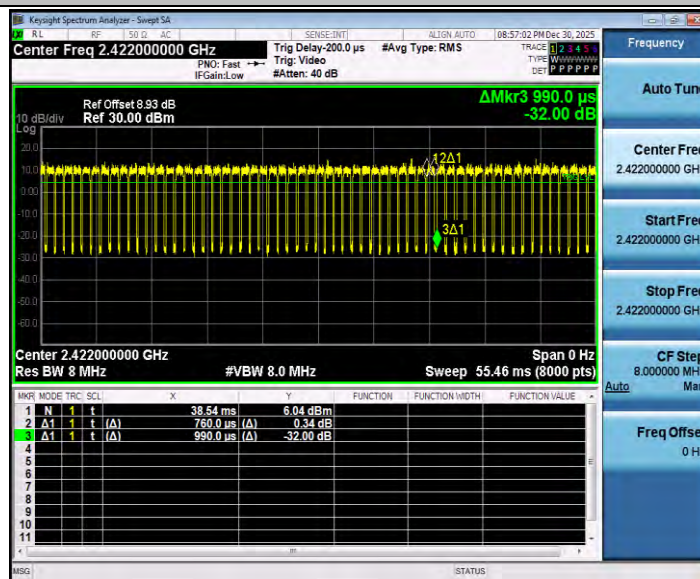
11AX20SISO_Ant2_2437



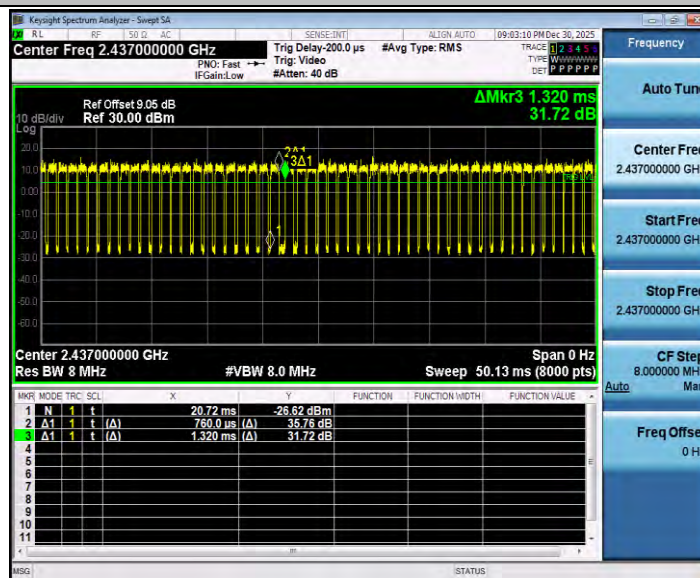
11AX20SISO_Ant2_2462



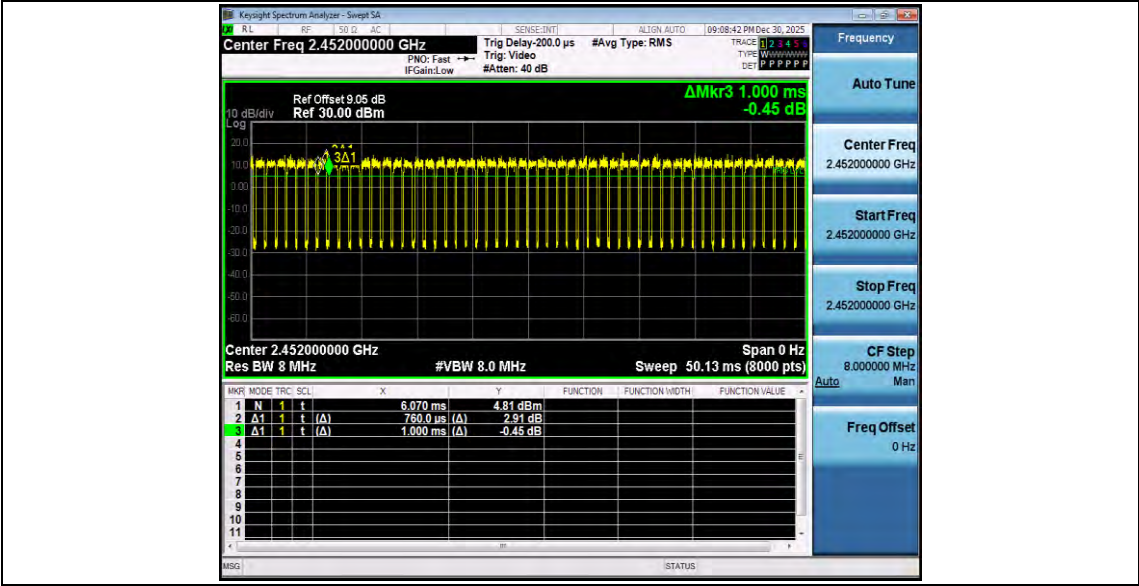
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452



Appendix C.8:Emissions in Restricted Bands

Test Result

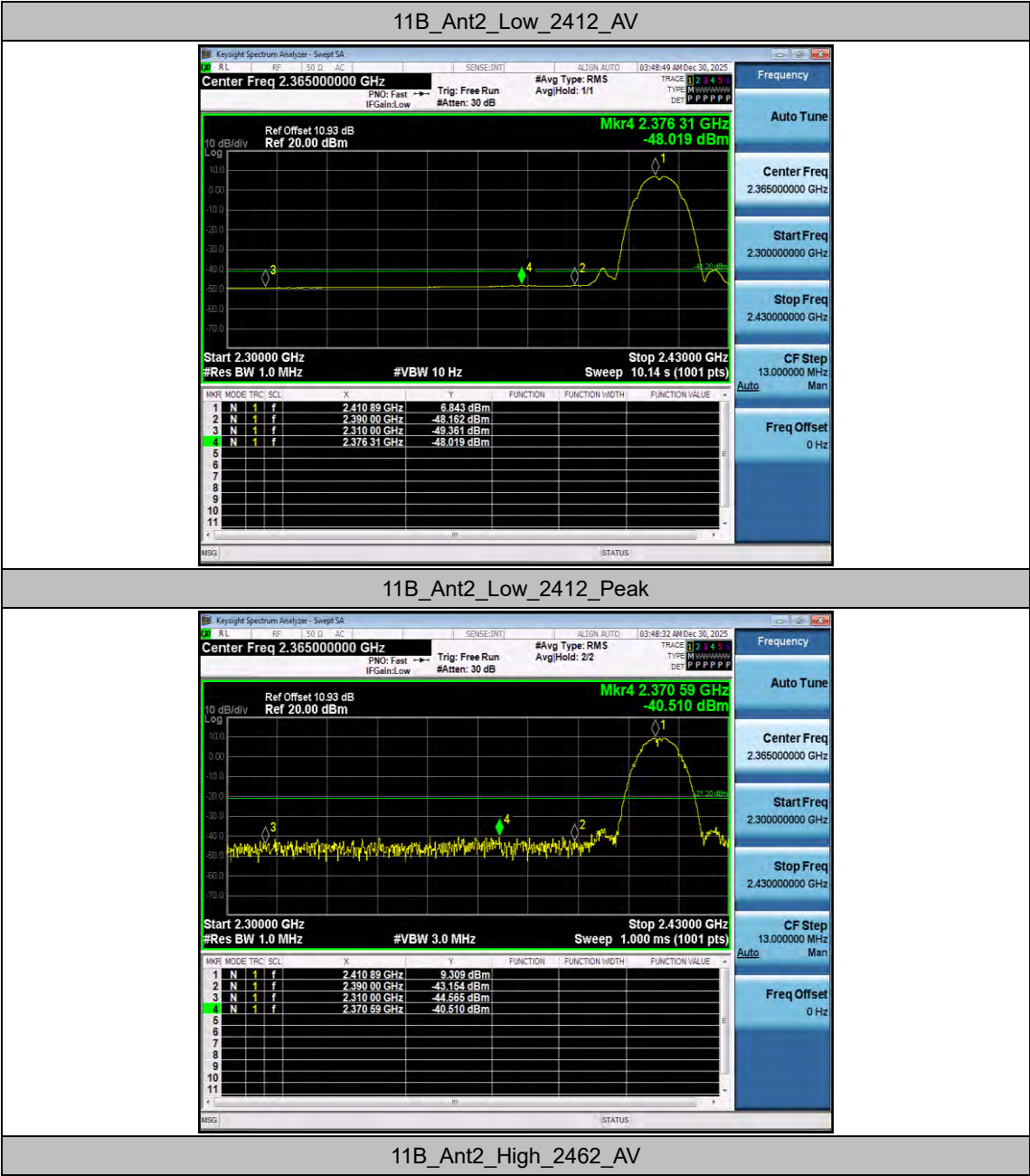
Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant2	Low	2412	AV	2310.000	-49.36	≤-41.20	45.84	≤54	PASS
				AV	2376.310	-48.02	≤-41.20	47.18	≤54	PASS
				AV	2390.000	-48.16	≤-41.20	47.04	≤54	PASS
				Peak	2310.000	-44.57	≤-21.20	50.63	≤74	PASS
				Peak	2370.590	-40.51	≤-21.20	54.69	≤74	PASS
				Peak	2390.000	-43.15	≤-21.20	52.05	≤74	PASS
		High	2462	AV	2483.500	-48.28	≤-41.20	46.92	≤54	PASS
				AV	2487.740	-48.1	≤-41.20	47.10	≤54	PASS
				AV	2500.000	-48.28	≤-41.20	46.92	≤54	PASS
				Peak	2483.500	-45.82	≤-21.20	49.38	≤74	PASS
				Peak	2489.390	-39.73	≤-21.20	55.47	≤74	PASS
				Peak	2500.000	-42.38	≤-21.20	52.82	≤74	PASS
11G	Ant2	Low	2412	AV	2310.000	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2389.960	-44.07	≤-41.20	51.13	≤54	PASS
				AV	2390.000	-44.07	≤-41.20	51.13	≤54	PASS
				Peak	2310.000	-44.62	≤-21.20	50.58	≤74	PASS
				Peak	2389.960	-34.02	≤-21.20	61.18	≤74	PASS
				Peak	2390.000	-34.03	≤-21.20	61.17	≤74	PASS
		High	2462	AV	2483.500	-44.37	≤-41.20	50.83	≤54	PASS
				AV	2483.560	-44.35	≤-41.20	50.85	≤54	PASS
				AV	2500.000	-48.72	≤-41.20	46.48	≤54	PASS
				Peak	2483.500	-42.8	≤-21.20	52.40	≤74	PASS
				Peak	2484.770	-35.21	≤-21.20	59.99	≤74	PASS
				Peak	2500.000	-47.2	≤-21.20	48.00	≤74	PASS
11N20SI SO	Ant2	Low	2412	AV	2310.000	-49.07	≤-41.20	46.13	≤54	PASS
				AV	2389.830	-43.21	≤-41.20	51.99	≤54	PASS
				AV	2390.000	-43.26	≤-41.20	51.94	≤54	PASS
				Peak	2310.000	-46.54	≤-21.20	48.66	≤74	PASS
				Peak	2389.830	-33.9	≤-21.20	61.30	≤74	PASS
				Peak	2390.000	-36.98	≤-21.20	58.22	≤74	PASS
		High	2462	AV	2483.500	-44.03	≤-41.20	51.17	≤54	PASS
				AV	2483.560	-43.85	≤-41.20	51.35	≤54	PASS
				AV	2500.000	-48.2	≤-41.20	47.00	≤54	PASS
				Peak	2483.500	-41.25	≤-21.20	53.95	≤74	PASS
				Peak	2484.440	-35.49	≤-21.20	59.71	≤74	PASS
				Peak	2500.000	-46.58	≤-21.20	48.62	≤74	PASS

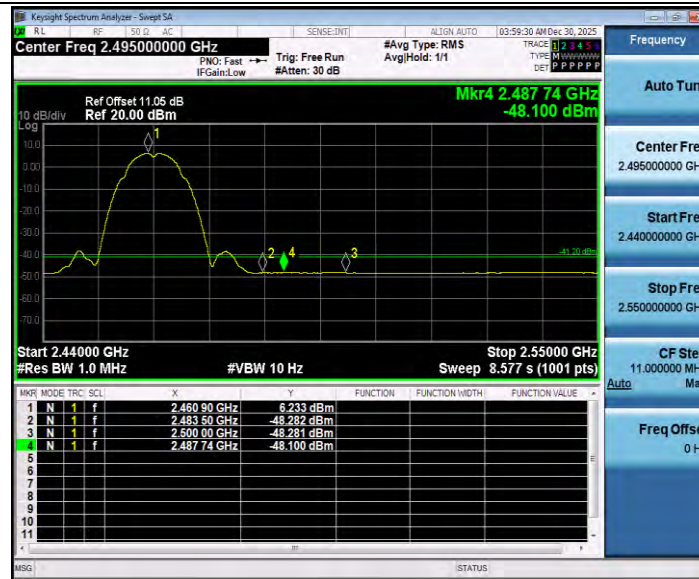
11N40SI SO	Ant2	Low	2422	AV	2310.000	-48.88	≤ -41.20	46.32	≤ 54	PASS
				AV	2389.850	-41.28	≤ -41.20	53.92	≤ 54	PASS
				AV	2390.000	-41.62	≤ -41.20	53.58	≤ 54	PASS
				Peak	2310.000	-43.13	≤ -21.20	52.07	≤ 74	PASS
				Peak	2388.200	-31.13	≤ -21.20	64.07	≤ 74	PASS
				Peak	2390.000	-36.87	≤ -21.20	58.33	≤ 74	PASS
		High	2452	AV	2483.500	-46.26	≤ -41.20	48.94	≤ 54	PASS
				AV	2484.250	-44.61	≤ -41.20	50.59	≤ 54	PASS
				AV	2500.000	-48.02	≤ -41.20	47.18	≤ 54	PASS
				Peak	2483.500	-43.04	≤ -21.20	52.16	≤ 74	PASS
				Peak	2484.000	-38.04	≤ -21.20	57.16	≤ 74	PASS
				Peak	2500.000	-45.55	≤ -21.20	49.65	≤ 74	PASS
11AX20S ISO	Ant2	Low	2412	AV	2310.000	-49.21	≤ -41.20	45.99	≤ 54	PASS
				AV	2389.570	-41.57	≤ -41.20	53.63	≤ 54	PASS
				AV	2390.000	-43.37	≤ -41.20	51.83	≤ 54	PASS
				Peak	2310.000	-48.26	≤ -21.20	46.94	≤ 74	PASS
				Peak	2387.750	-34.68	≤ -21.20	60.52	≤ 74	PASS
				Peak	2390.000	-39.78	≤ -21.20	55.42	≤ 74	PASS
		High	2462	AV	2483.500	-43.22	≤ -41.20	51.98	≤ 54	PASS
				AV	2483.560	-44.84	≤ -41.20	50.36	≤ 54	PASS
				AV	2500.000	-48.41	≤ -41.20	46.79	≤ 54	PASS
				Peak	2483.500	-38.48	≤ -21.20	56.72	≤ 74	PASS
				Peak	2485.650	-34.93	≤ -21.20	60.27	≤ 74	PASS
				Peak	2500.000	-44.74	≤ -21.20	50.46	≤ 74	PASS
11AX40S ISO	Ant2	Low	2422	AV	2310.000	-49.29	≤ -41.20	45.91	≤ 54	PASS
				AV	2389.400	-44.3	≤ -41.20	50.90	≤ 54	PASS
				AV	2390.000	-45.24	≤ -41.20	49.96	≤ 54	PASS
				Peak	2310.000	-47.92	≤ -21.20	47.28	≤ 74	PASS
				Peak	2388.950	-38.06	≤ -21.20	57.14	≤ 74	PASS
				Peak	2390.000	-41.57	≤ -21.20	53.63	≤ 74	PASS
		High	2452	AV	2483.500	-44.78	≤ -41.20	50.42	≤ 54	PASS
				AV	2483.625	-44.85	≤ -41.20	50.35	≤ 54	PASS
				AV	2500.000	-47.99	≤ -41.20	47.21	≤ 54	PASS
				Peak	2483.500	-43.47	≤ -21.20	51.73	≤ 74	PASS
				Peak	2487.000	-37.73	≤ -21.20	57.47	≤ 74	PASS
				Peak	2500.000	-44.42	≤ -21.20	50.78	≤ 74	PASS

Note:

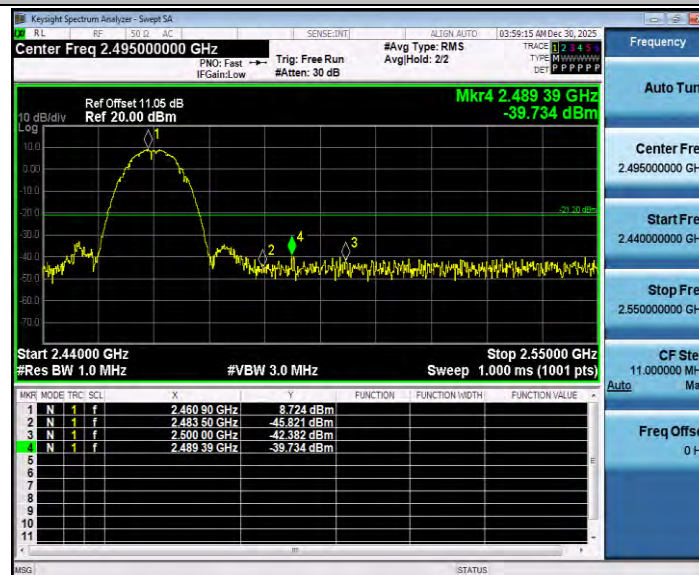
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





11B_Ant2_High_2462_Peak



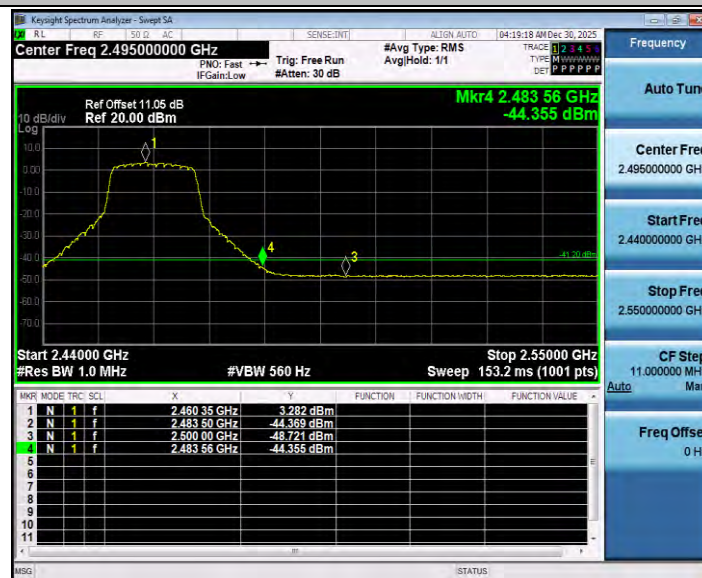
11G_Ant2_Low_2412_AV



11G_Ant2_Low_2412_Peak



11G_Ant2_High_2462_AV



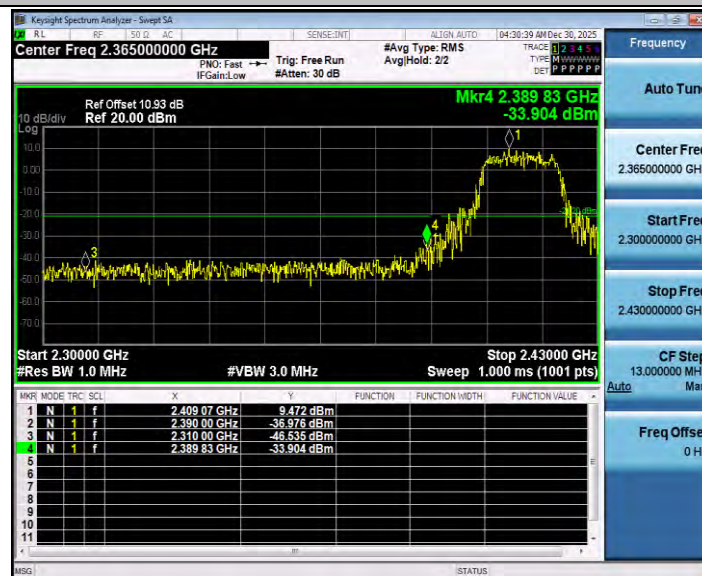
11G_Ant2_High_2462_Peak

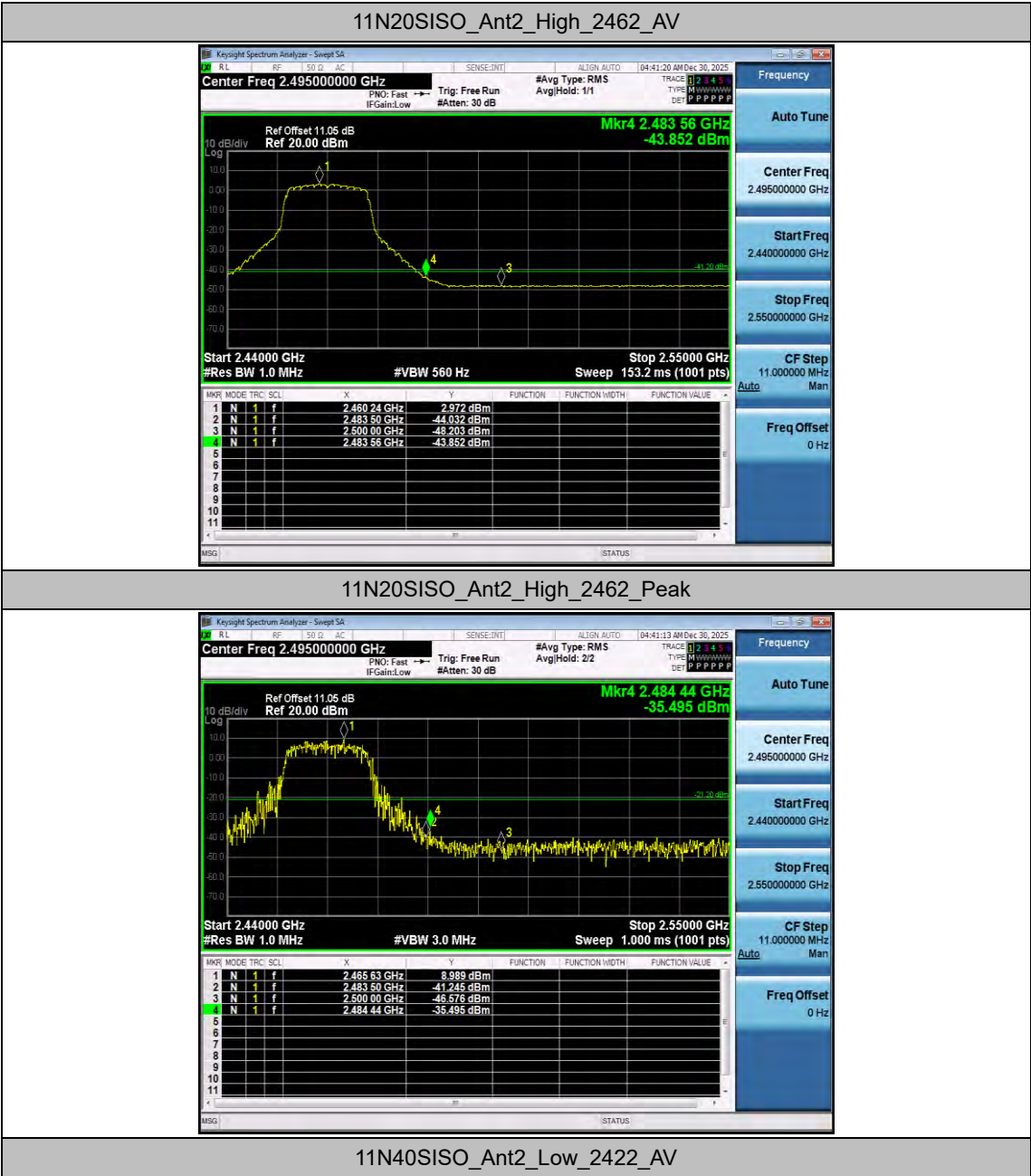


11N20SISO_Ant2_Low_2412_AV



11N20SISO_Ant2_Low_2412_Peak







11N40SISO_Ant2_Low_2422_Peak



11N40SISO_Ant2_High_2452_AV



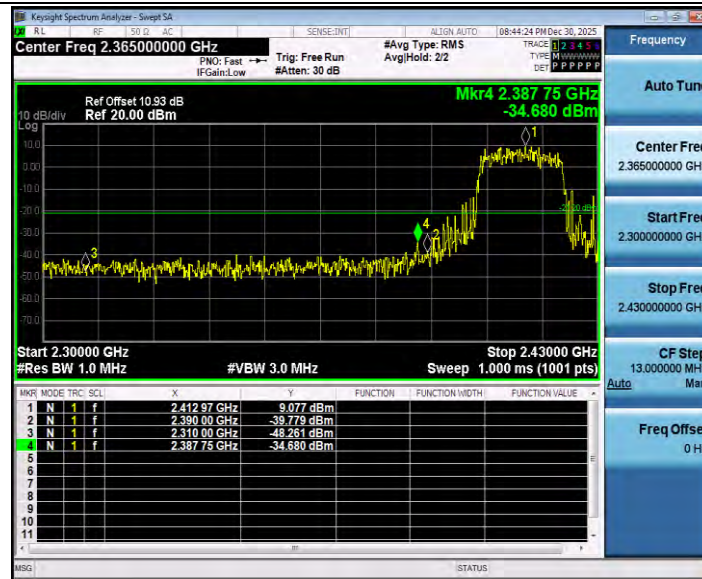
11N40SISO_Ant2_High_2452_Peak



11AX20SISO_Ant2_Low_2412_AV



11AX20SISO_Ant2_Low_2412_Peak



11AX20SISO_Ant2_High_2462_AV



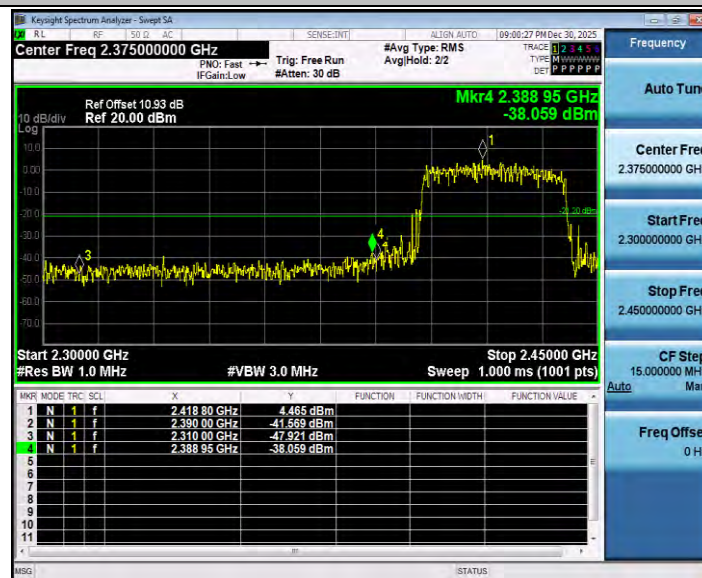
11AX20SISO_Ant2_High_2462_Peak



11AX40SISO_Ant2_Low_2422_AV



11AX40SISO_Ant2_Low_2422_Peak



11AX40SISO_Ant2_High_2452_AV

