



Appendix for Test report



Appendix A: DTS (6 dB) Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	---	PASS
		2437	8.200	2432.920	2441.120	---	PASS
		2462	8.640	2457.440	2466.080	---	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	---	PASS
		2417	16.440	2408.800	2425.240	---	PASS
		2437	16.440	2428.800	2445.240	---	PASS
		2457	16.440	2448.800	2465.240	---	PASS
		2462	16.480	2453.760	2470.240	---	PASS
11N20SISO	Ant1	2412	17.680	2403.200	2420.880	---	PASS
		2417	17.400	2408.440	2425.840	---	PASS
		2437	17.680	2428.160	2445.840	---	PASS
		2457	17.400	2448.440	2465.840	---	PASS
		2462	17.640	2453.200	2470.840	---	PASS
11N40SISO	Ant1	2422	17.760	2413.120	2430.880	---	PASS
		2427	17.760	2418.120	2435.880	---	PASS
		2437	17.760	2428.120	2445.880	---	PASS
		2447	17.360	2438.520	2455.880	---	PASS
		2452	17.680	2443.200	2460.880	---	PASS



Test Graphs

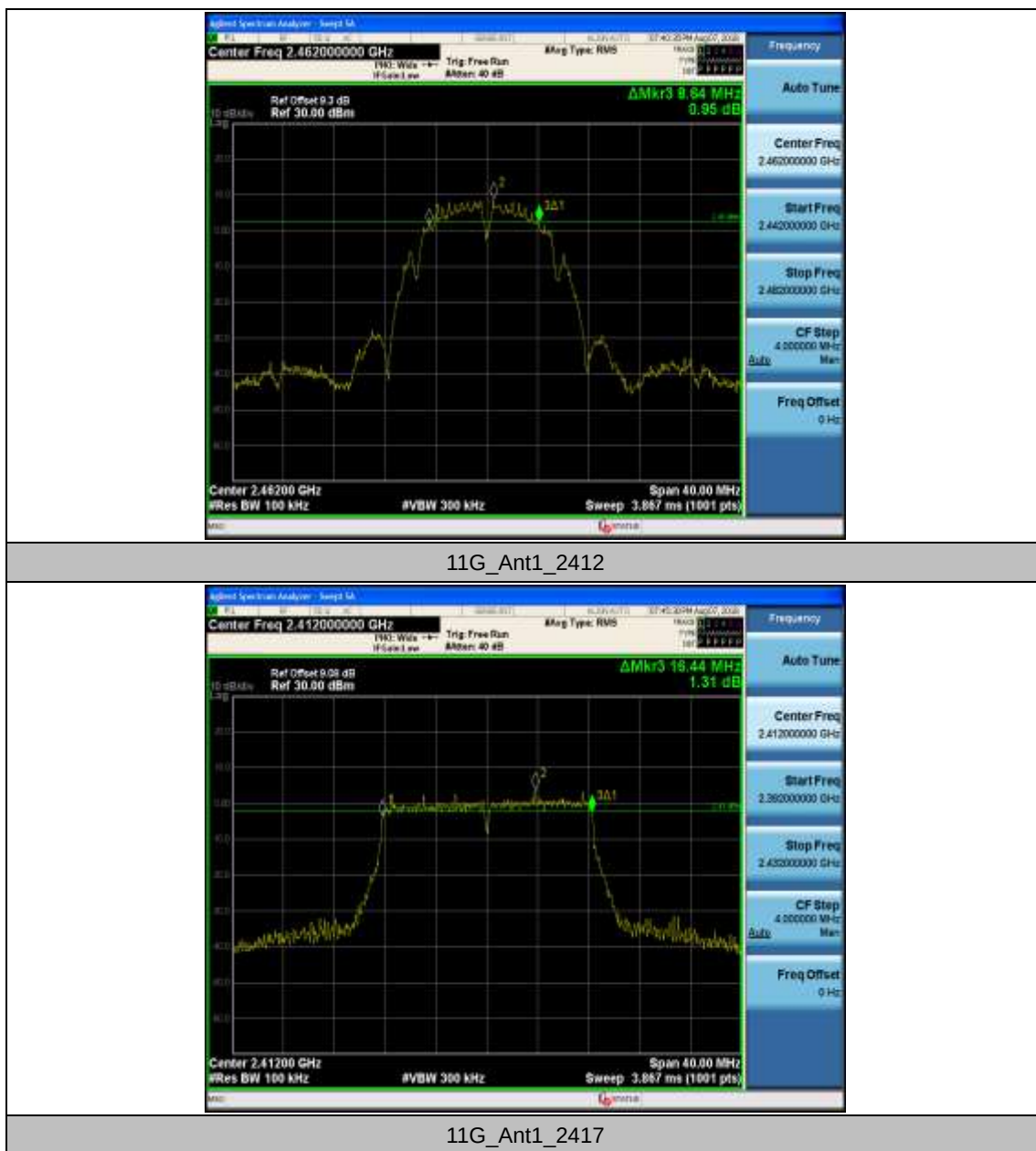
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

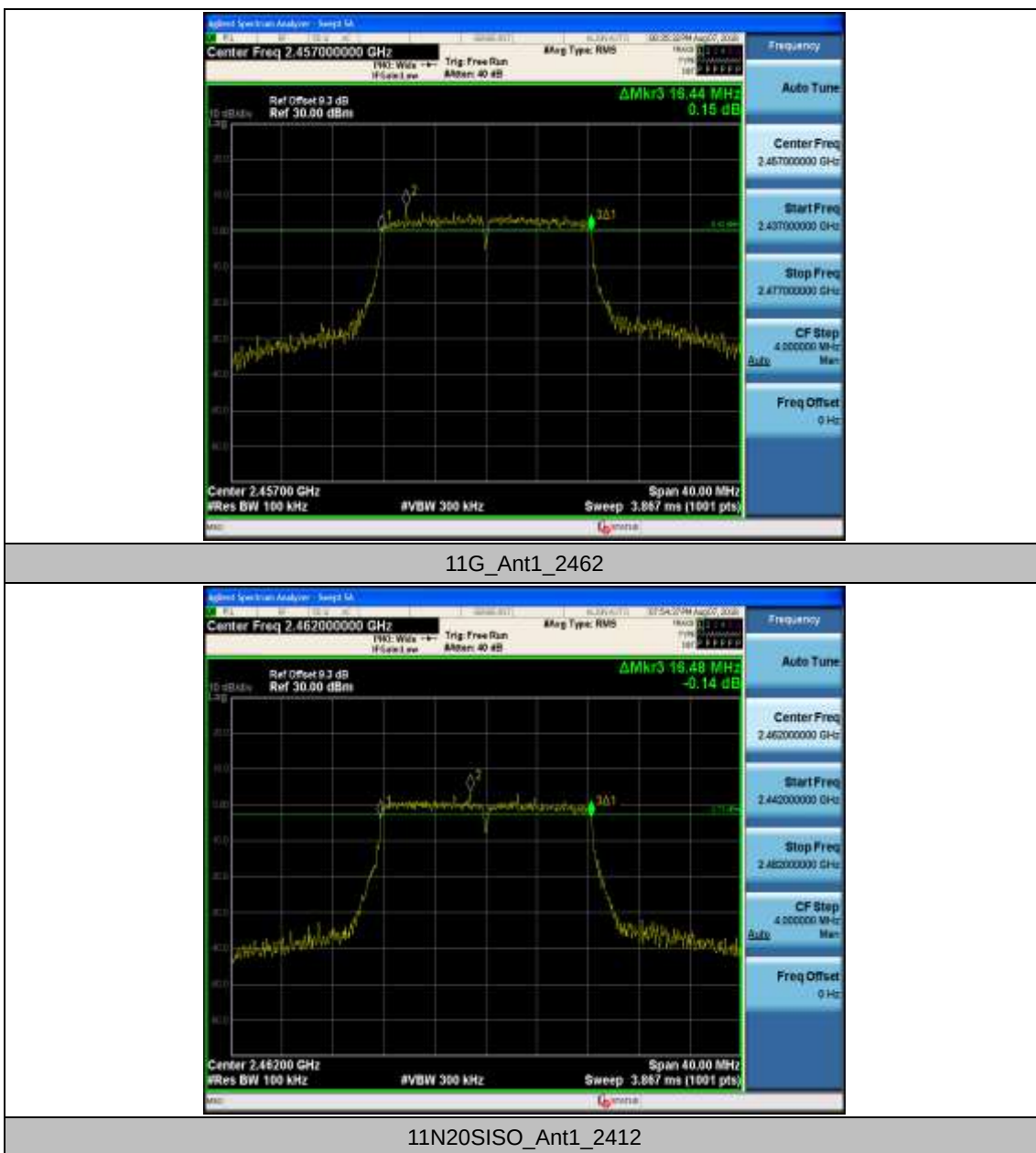


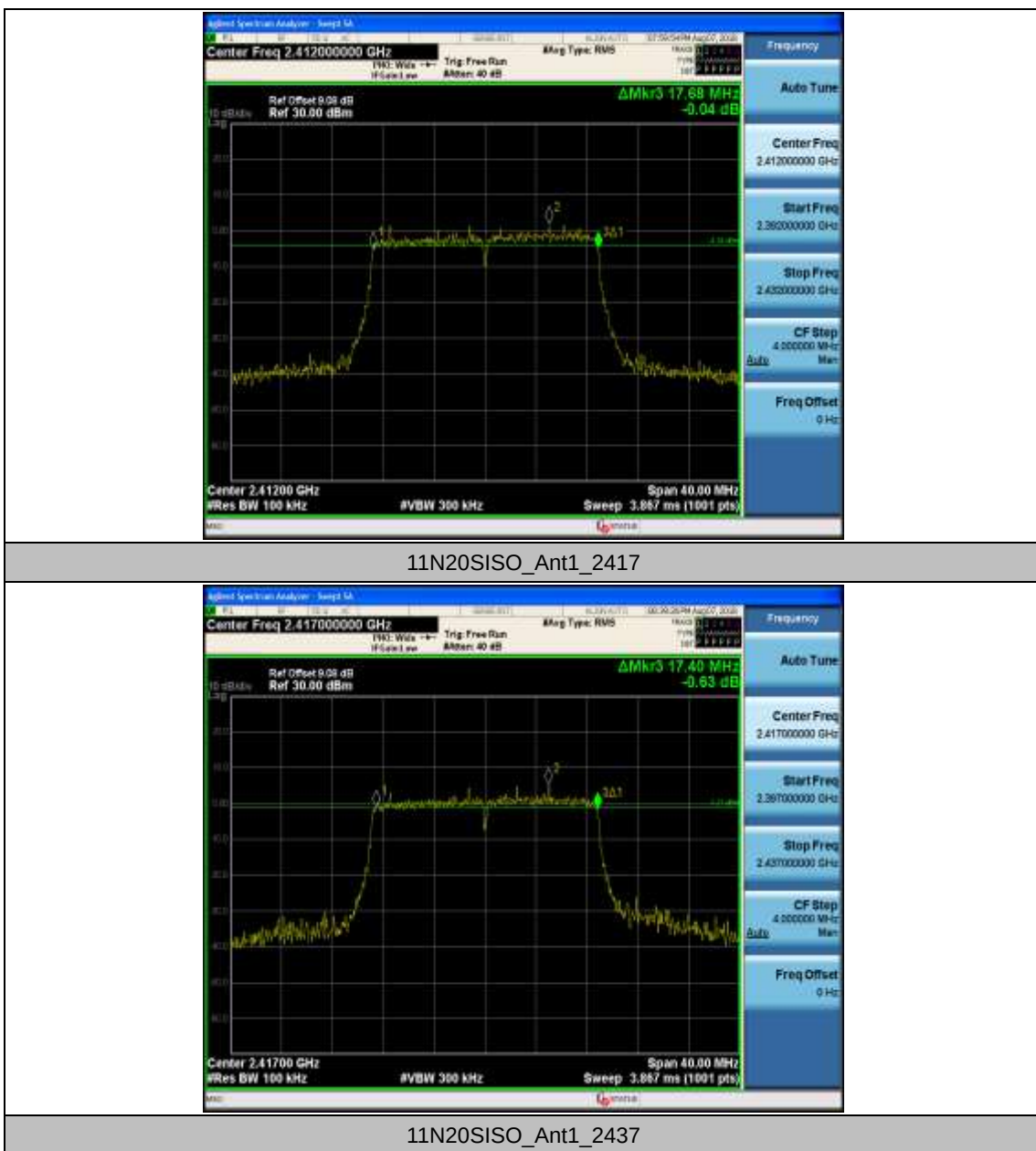


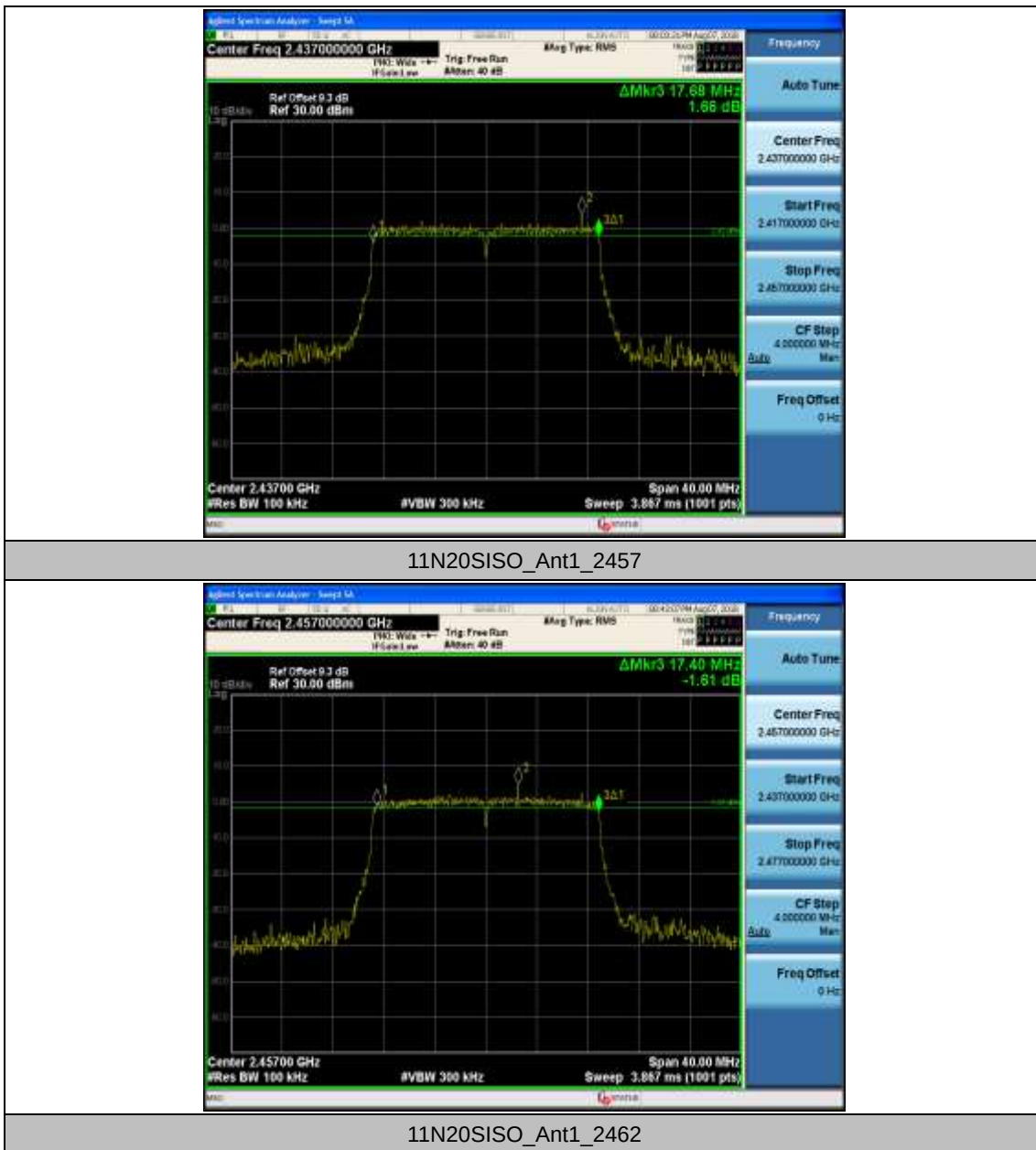
11G_Ant1_2437



11G_Ant1_2457







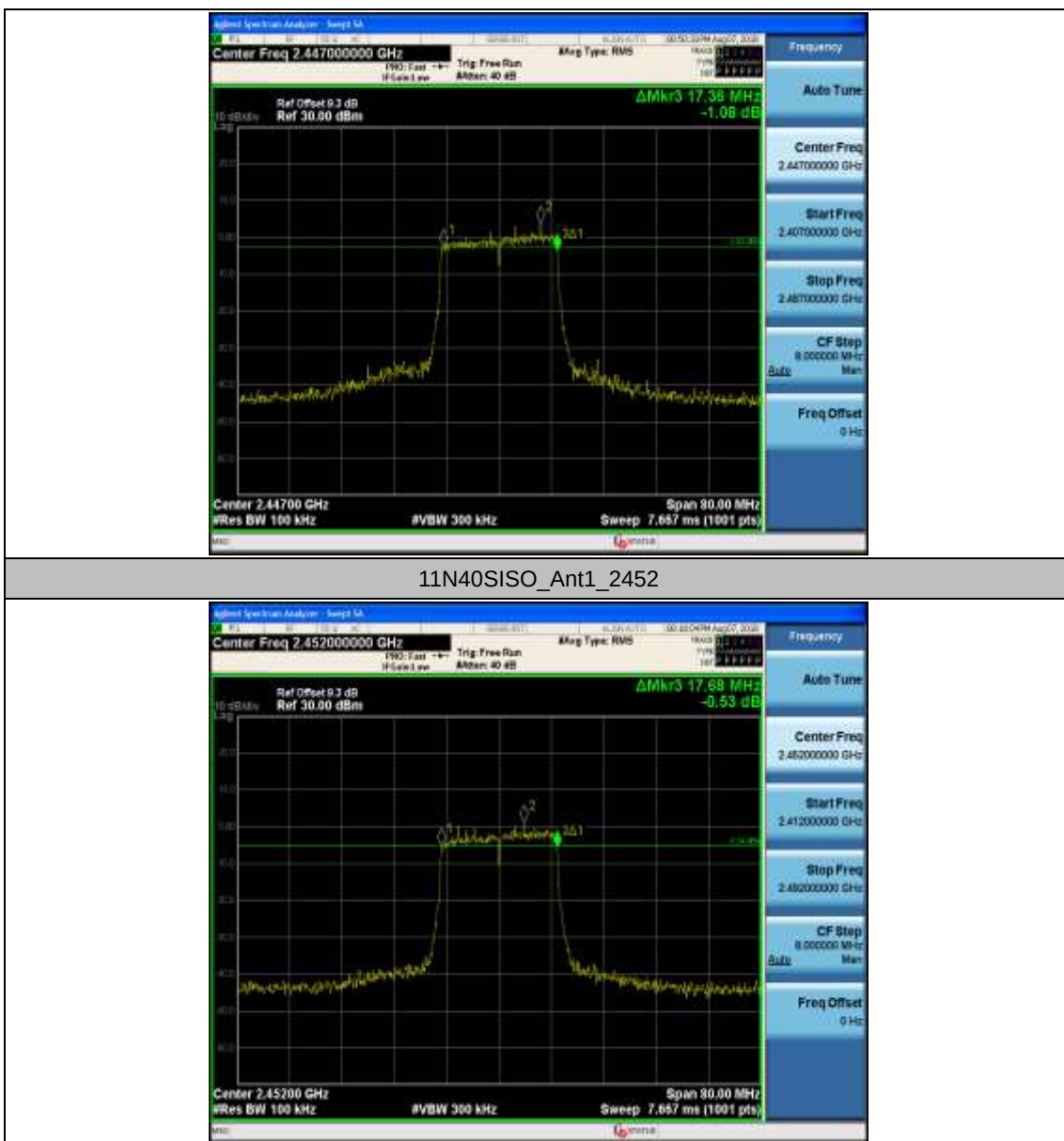




11N40SISO_Ant1_2437



11N40SISO_Ant1_2447





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.971	2406.738	2417.709	---	PASS
		2437	11.011	2431.581	2442.592	---	PASS
		2462	11.036	2456.451	2467.487	---	PASS
11G	Ant1	2412	16.718	2403.737	2420.455	---	PASS
		2417	16.767	2408.667	2425.434	---	PASS
		2437	16.957	2428.579	2445.536	---	PASS
		2457	16.684	2448.736	2465.420	---	PASS
		2462	16.797	2453.618	2470.415	---	PASS
11N20SISO	Ant1	2412	17.754	2403.206	2420.960	---	PASS
		2417	17.706	2408.218	2425.924	---	PASS
		2437	17.803	2428.142	2445.945	---	PASS
		2457	17.663	2448.205	2465.868	---	PASS
		2462	17.721	2453.167	2470.888	---	PASS
11N40SISO	Ant1	2422	18.009	2413.112	2431.121	---	PASS
		2427	17.962	2418.063	2436.025	---	PASS
		2437	18.039	2428.078	2446.117	---	PASS
		2447	17.996	2438.197	2456.193	---	PASS
		2452	18.012	2443.115	2461.127	---	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



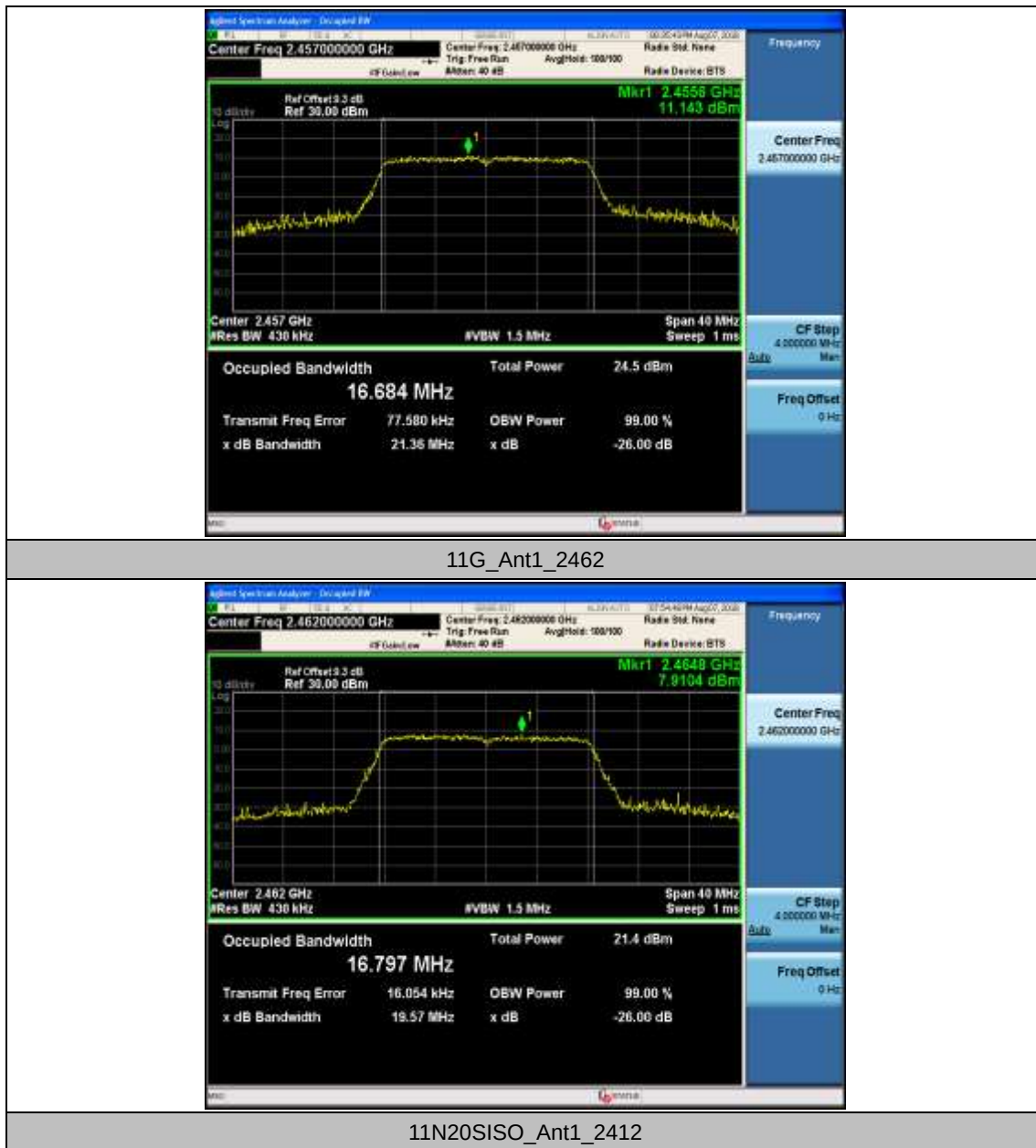
11G_Ant1_2417

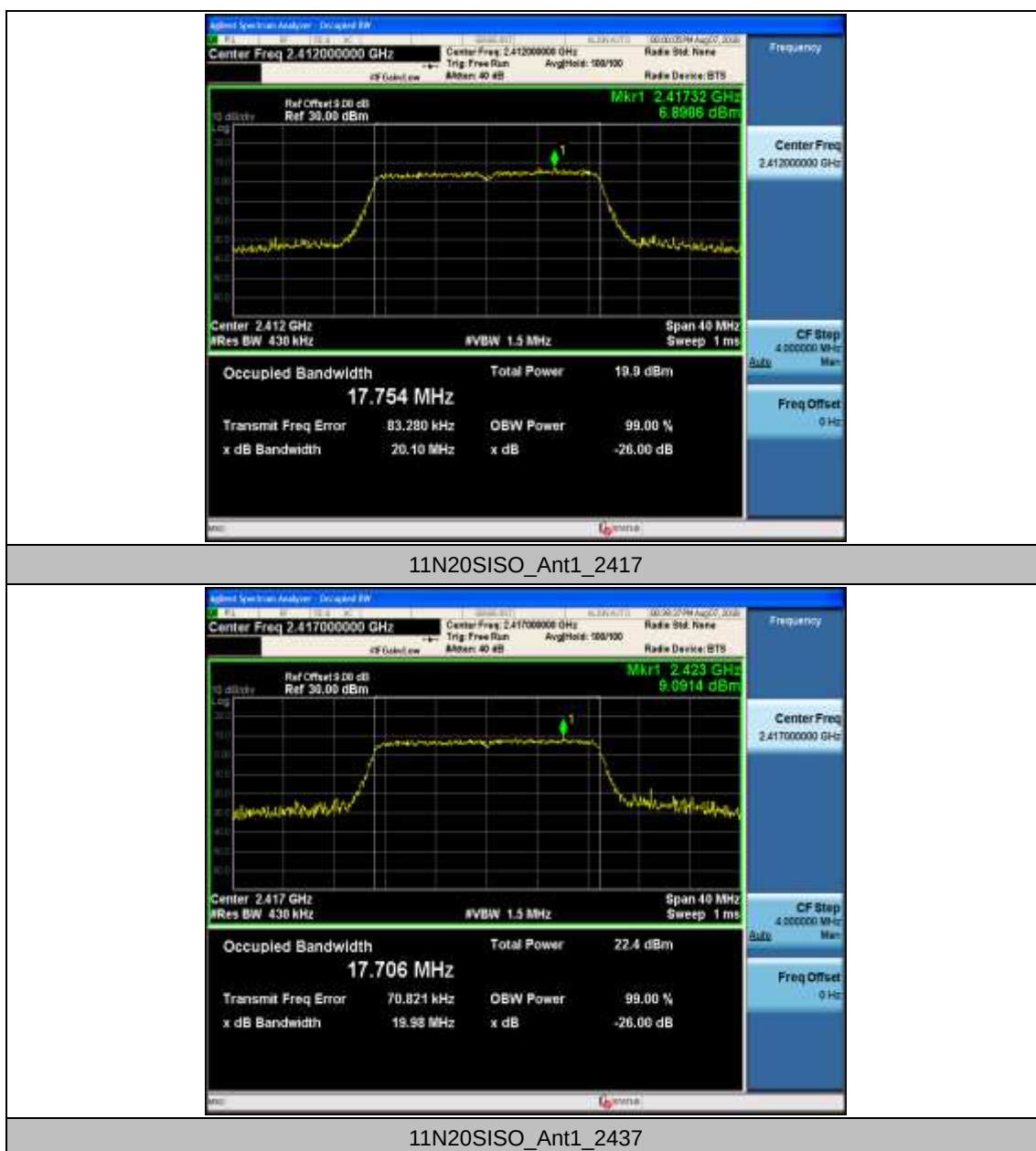


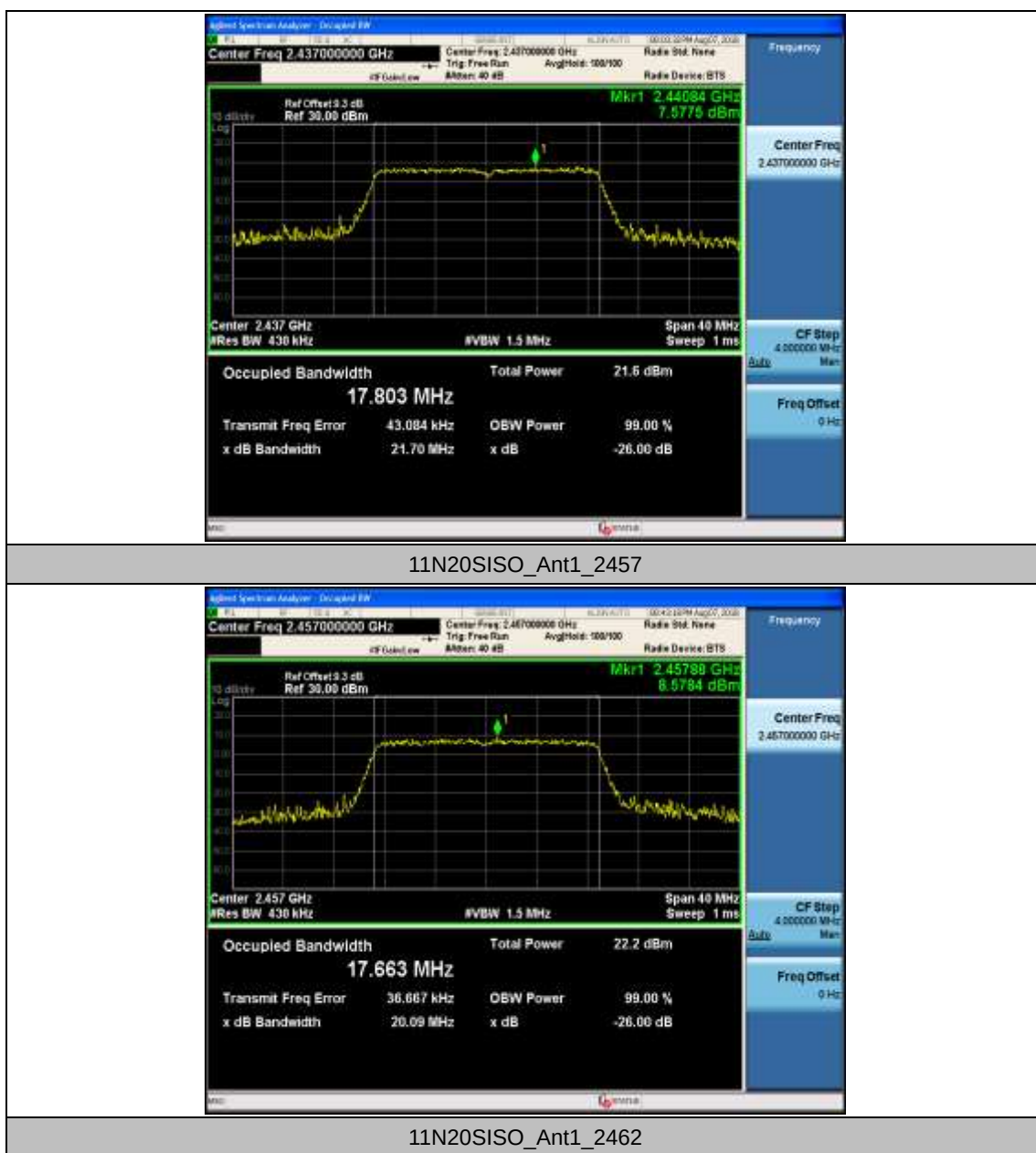
11G_Ant1_2437

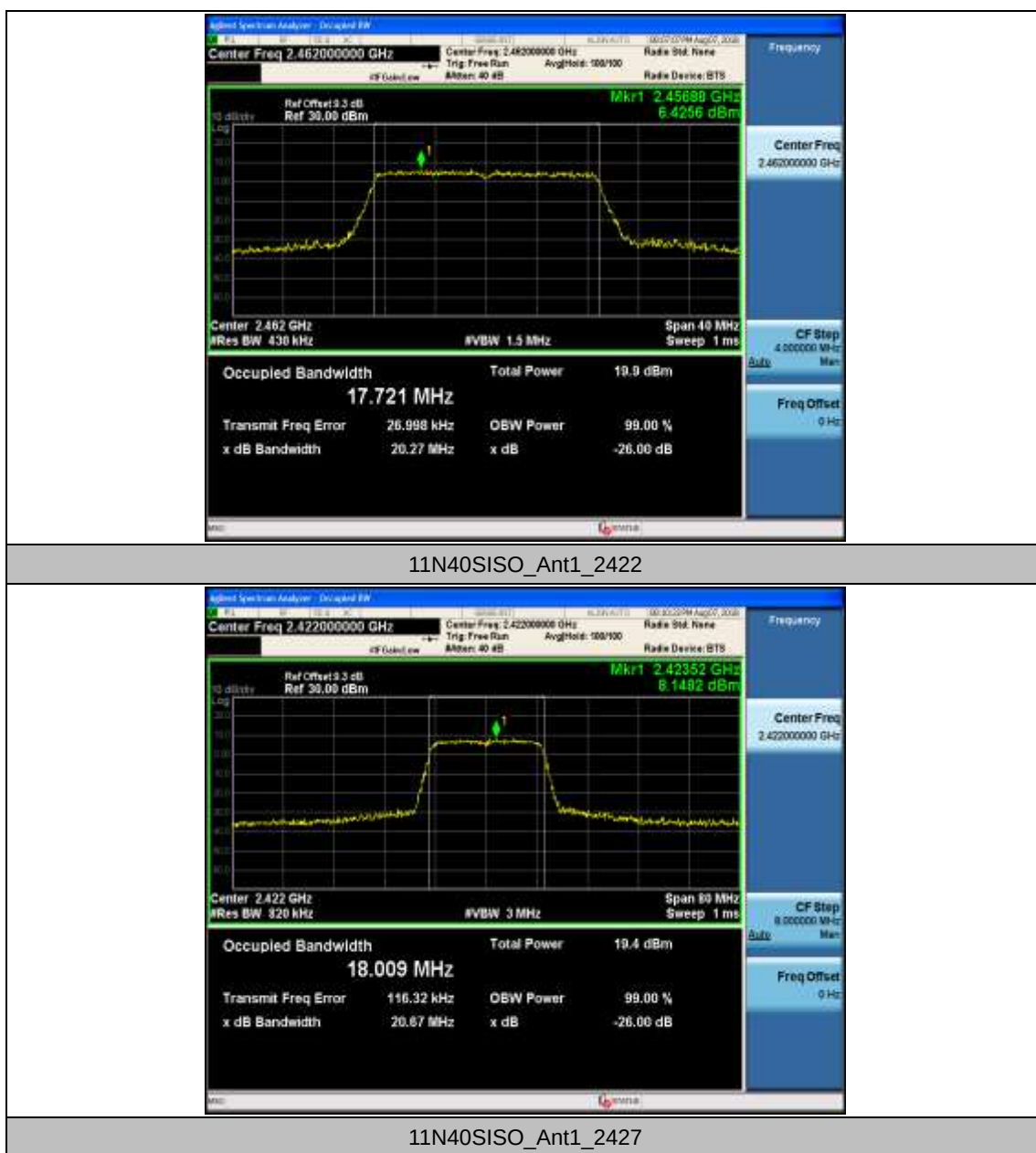


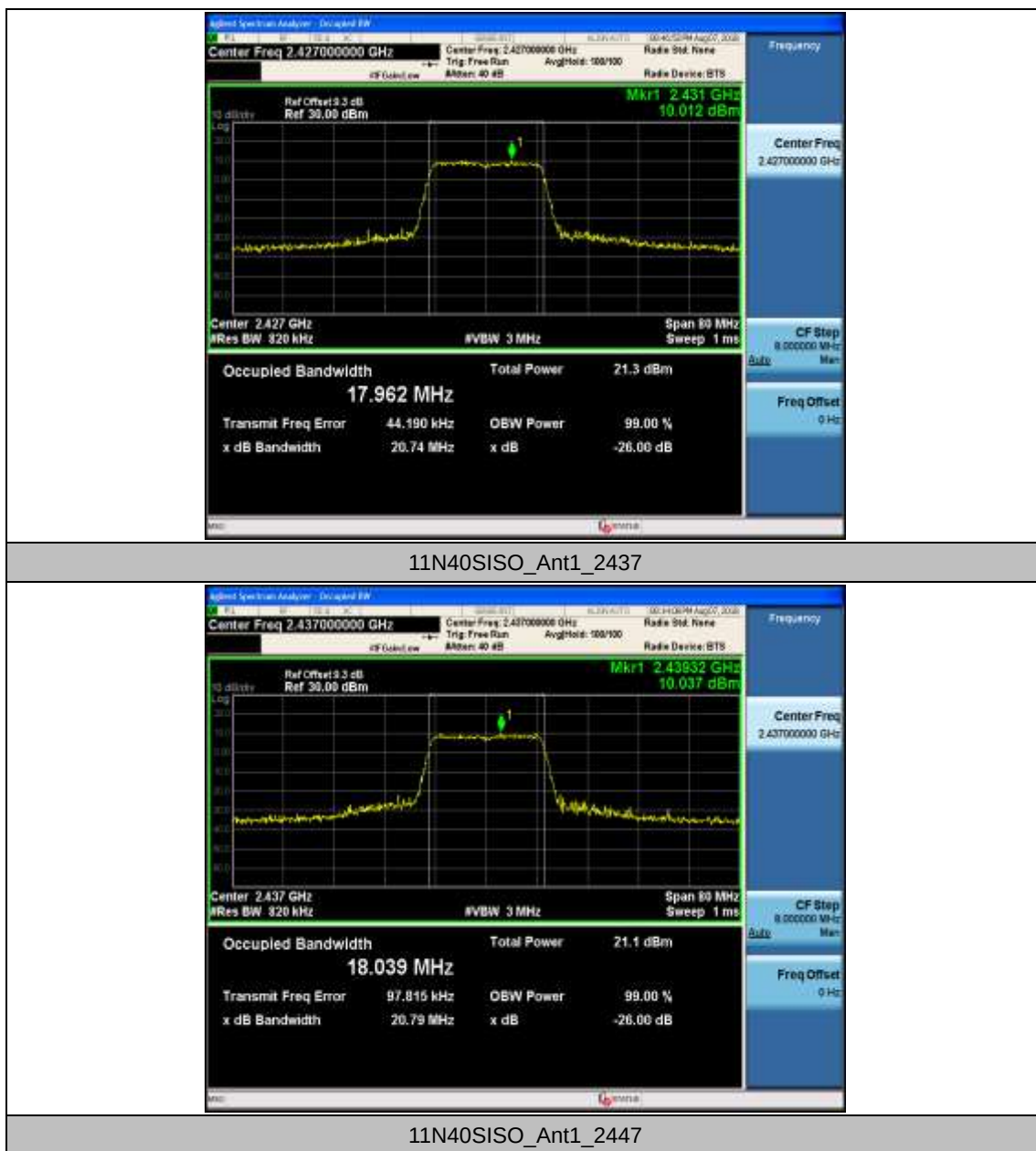
11G_Ant1_2457

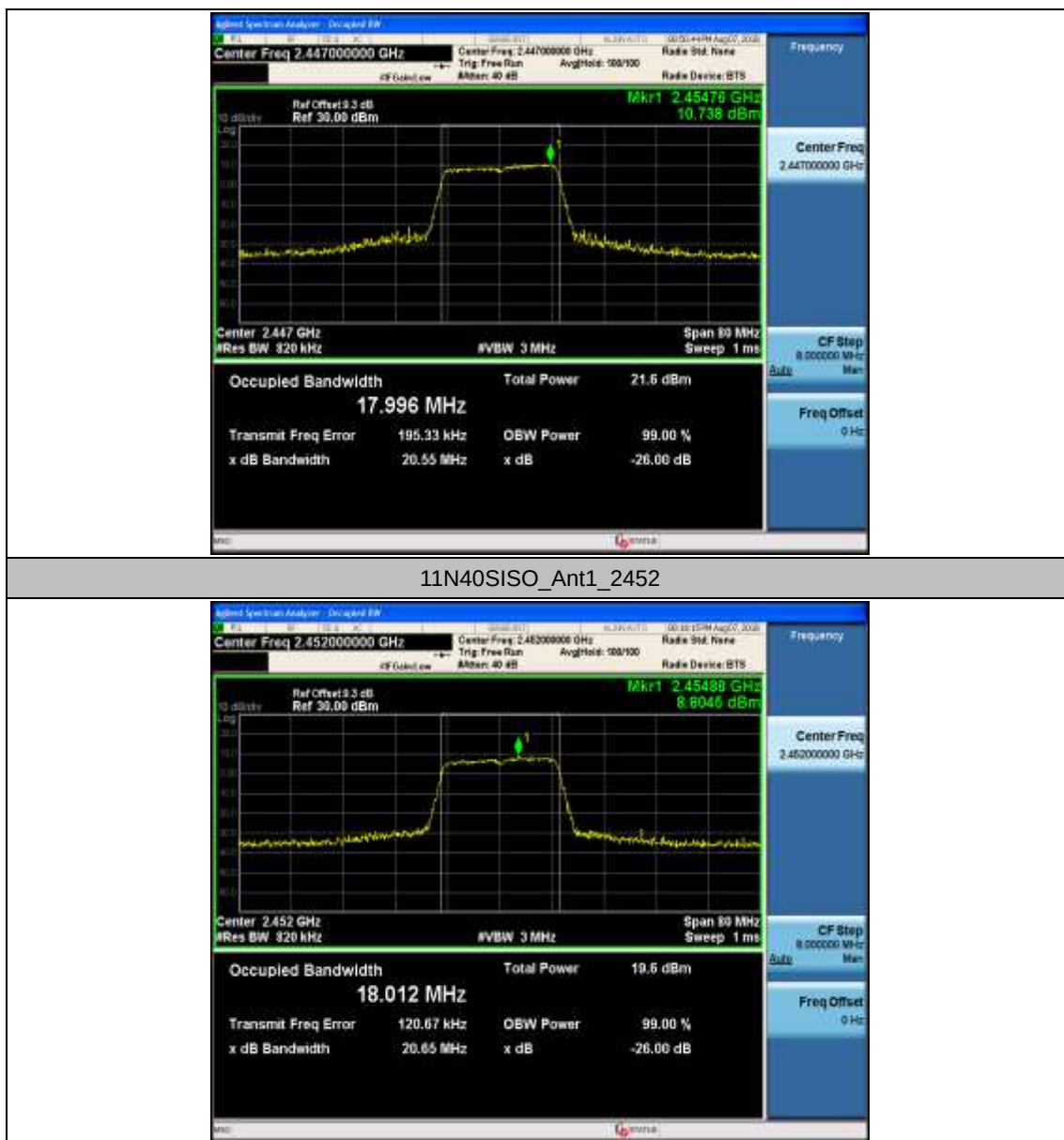














Appendix C: Maximum Peak conducted output power

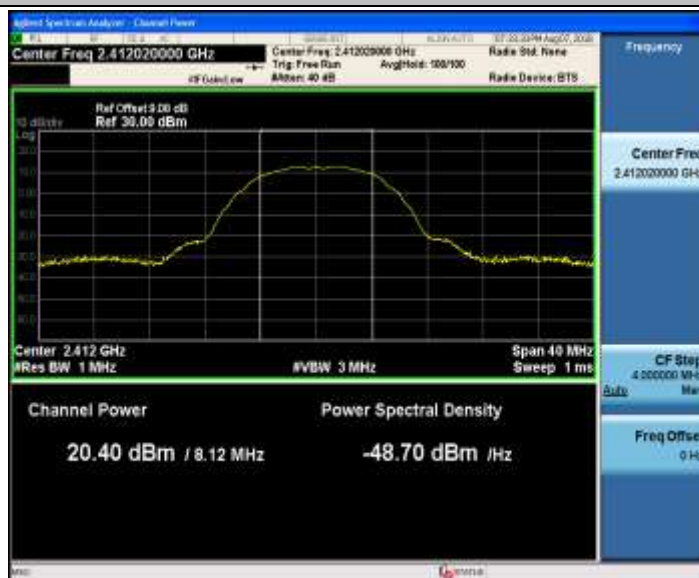
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	20.40	30	PASS
		2437	19.88	30	PASS
		2462	20.37	30	PASS
11G	Ant1	2412	22.25	30	PASS
		2417	24.90	30	PASS
		2437	24.76	30	PASS
		2457	25.41	30	PASS
		2462	22.40	30	PASS
11N20SISO	Ant1	2412	20.80	30	PASS
		2417	23.42	30	PASS
		2437	22.56	30	PASS
		2457	23.10	30	PASS
		2462	20.93	30	PASS
11N40SISO	Ant1	2422	19.75	30	PASS
		2427	21.53	30	PASS
		2437	21.43	30	PASS
		2447	21.91	30	PASS
		2452	19.83	30	PASS

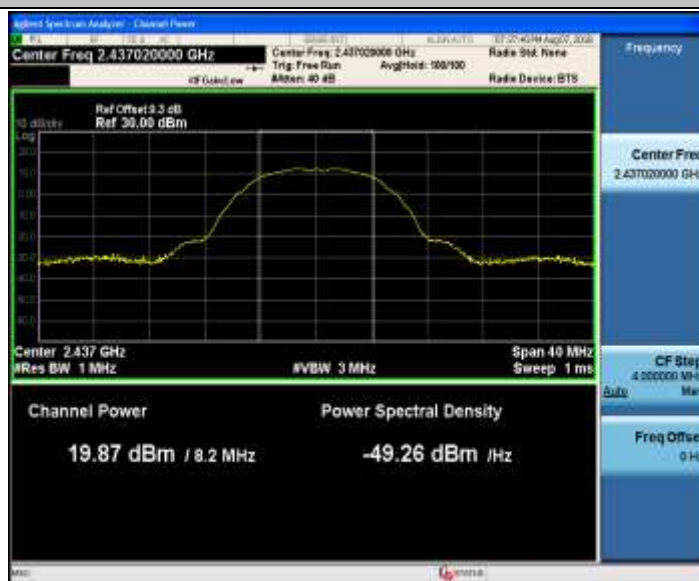


Test Graphs

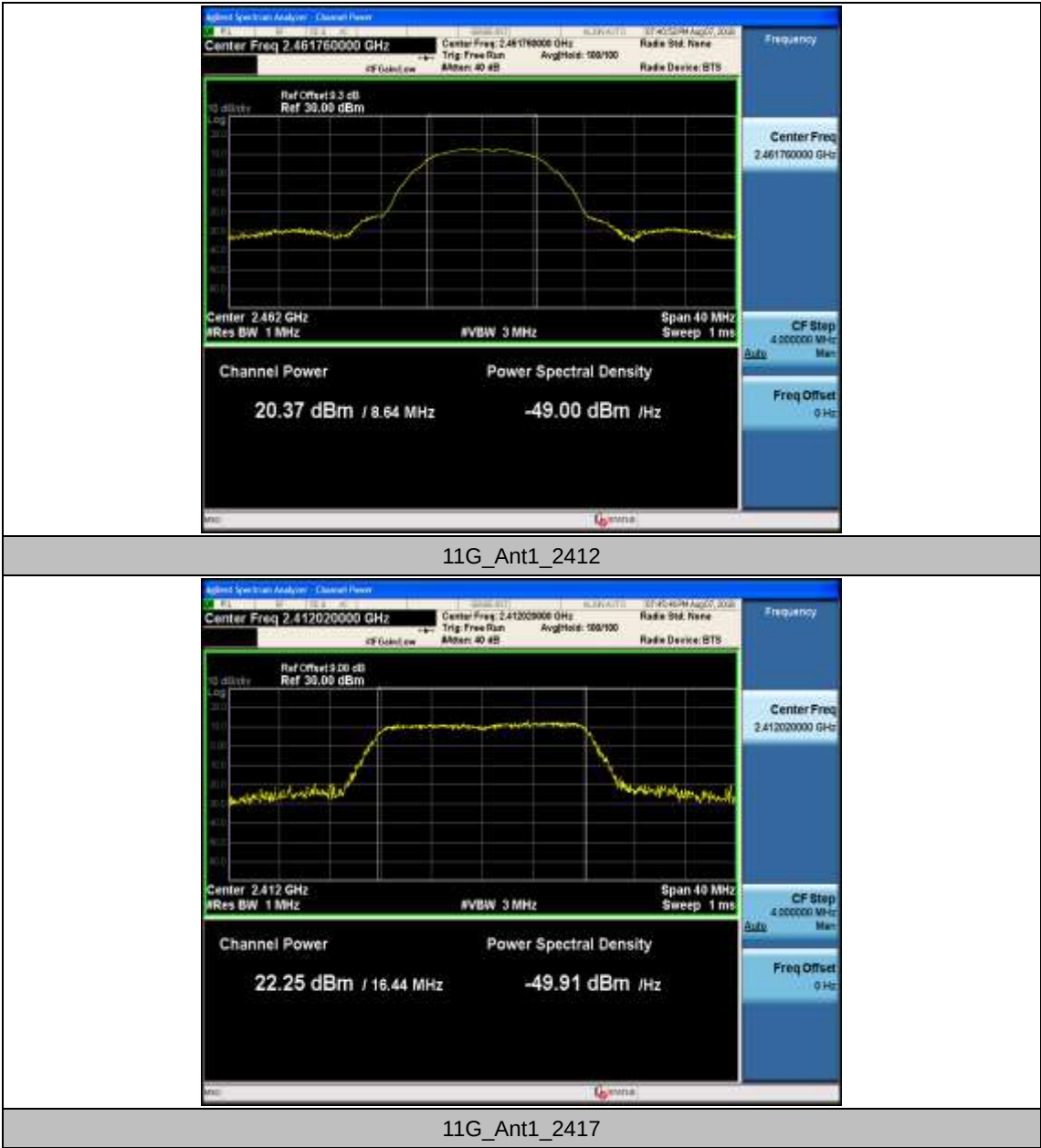
11B_Ant1_2412

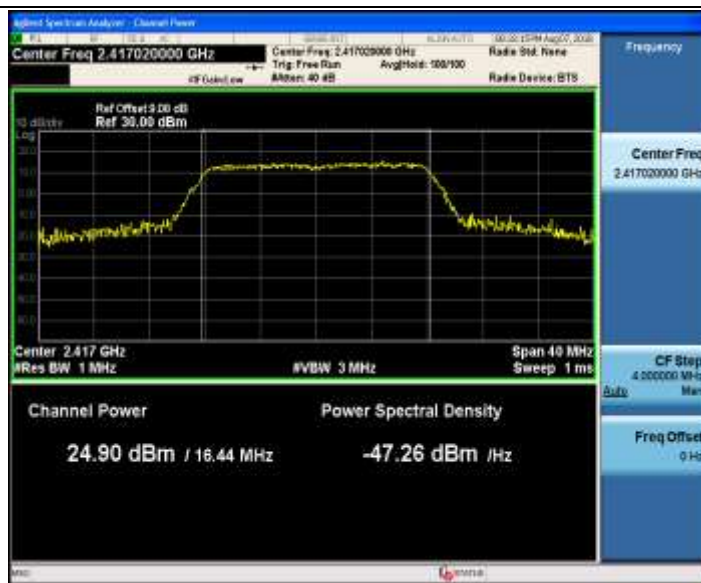


11B_Ant1_2437

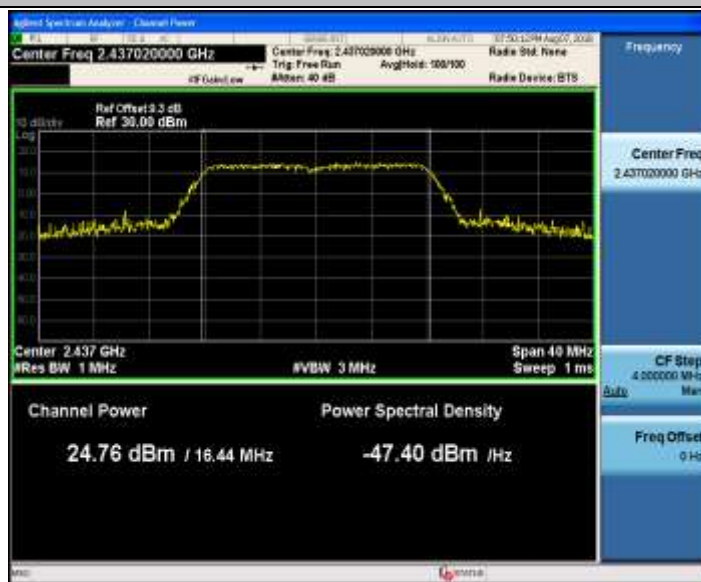


11B_Ant1_2462

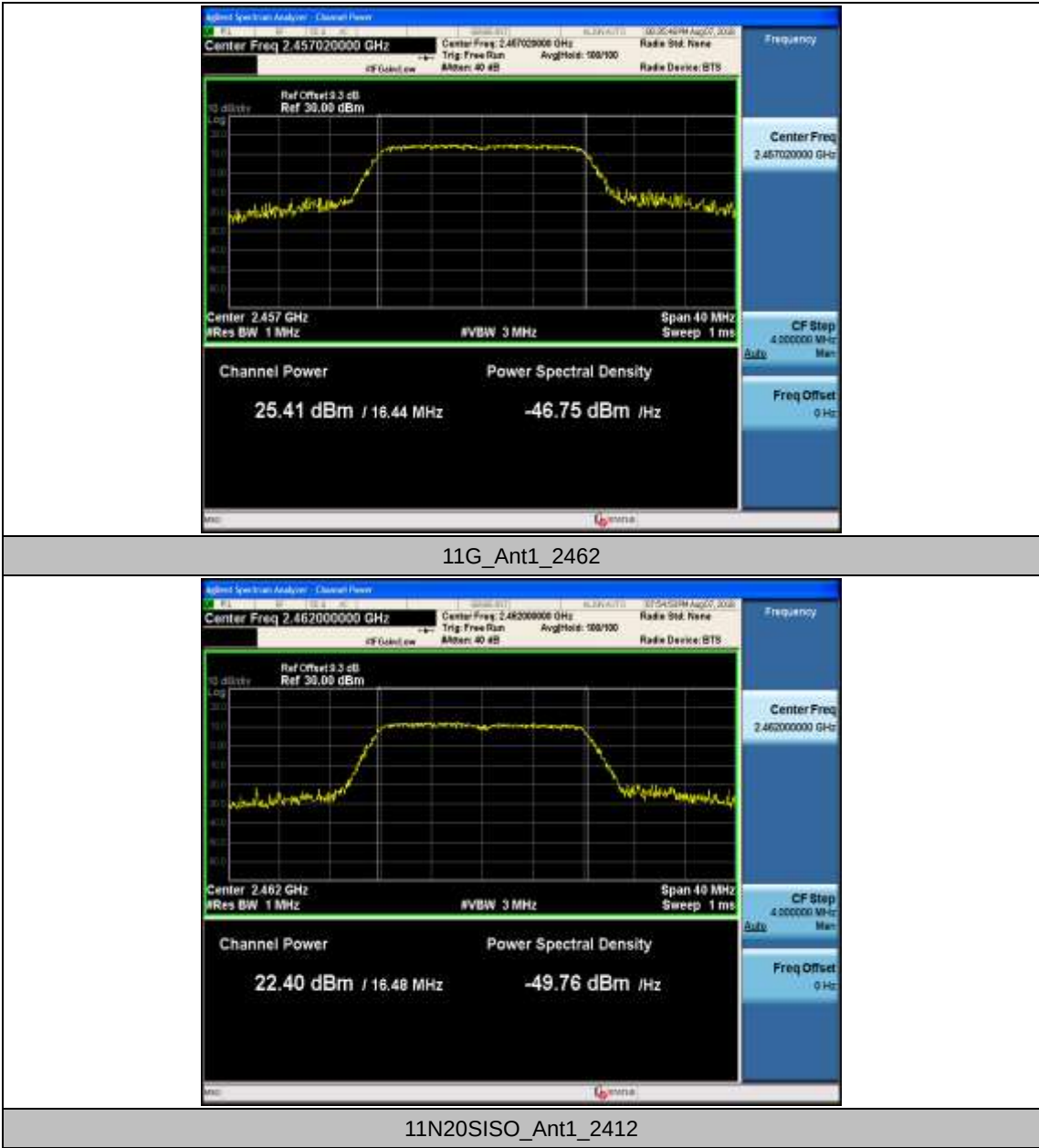


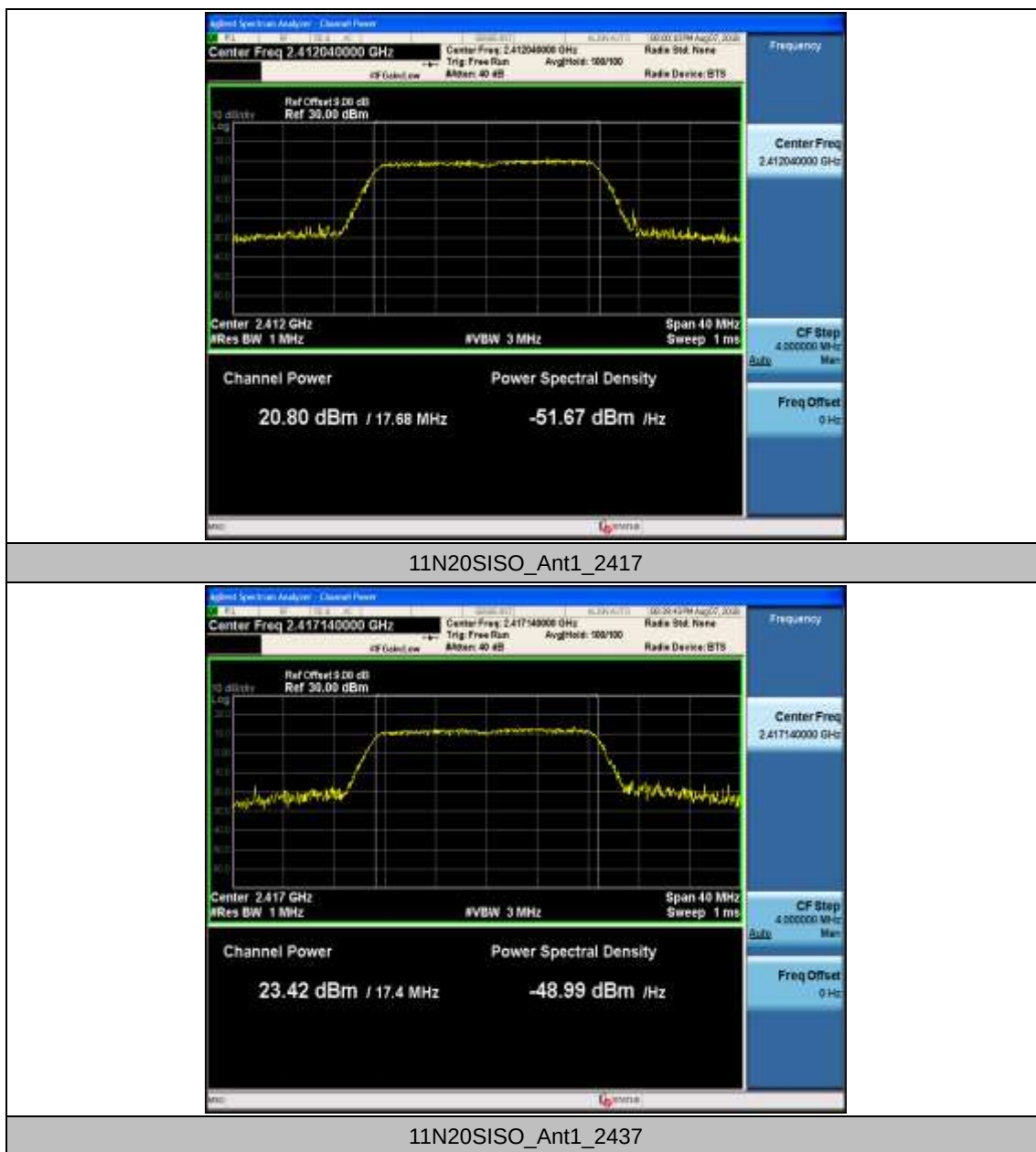


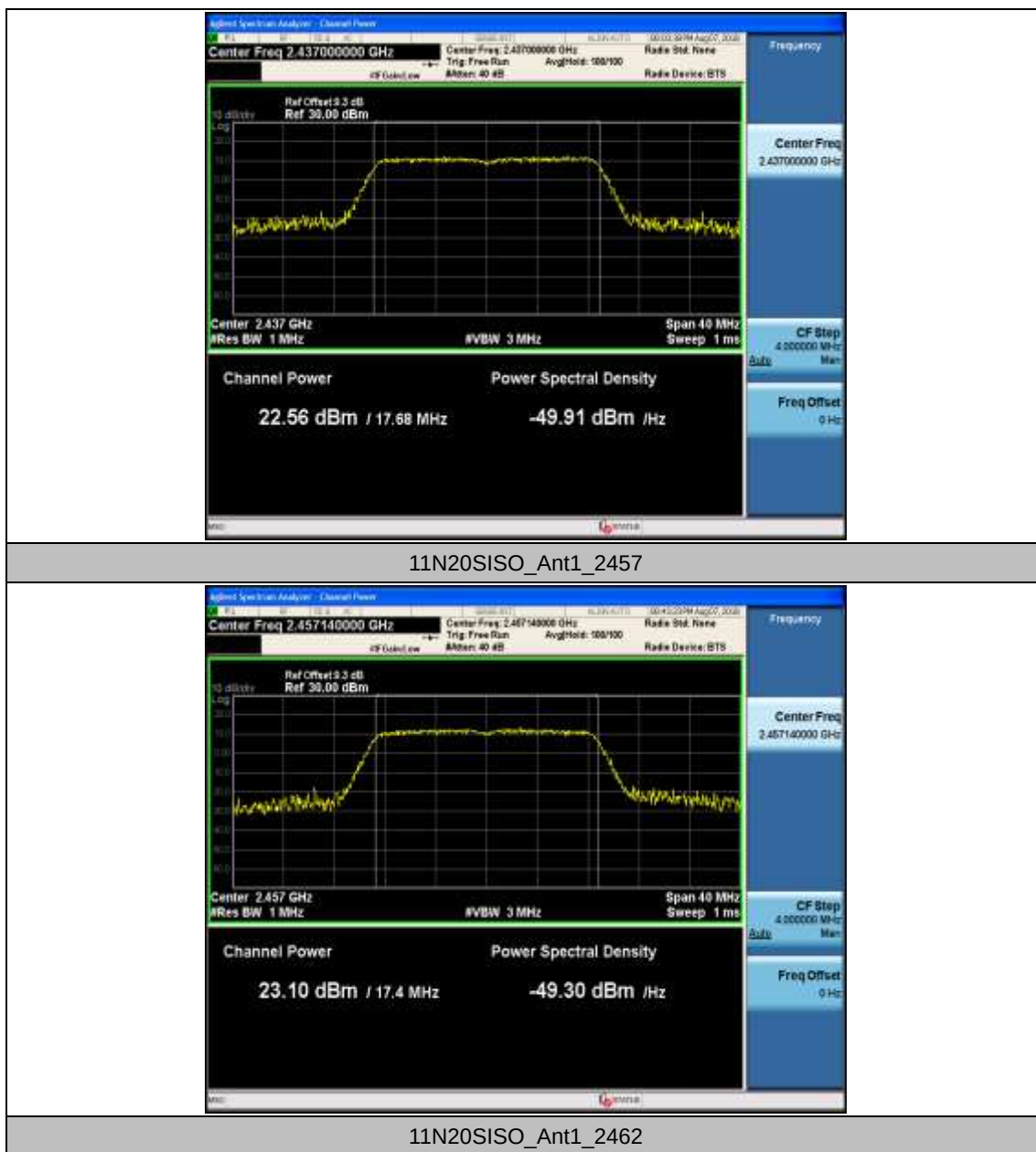
11G_Ant1_2437

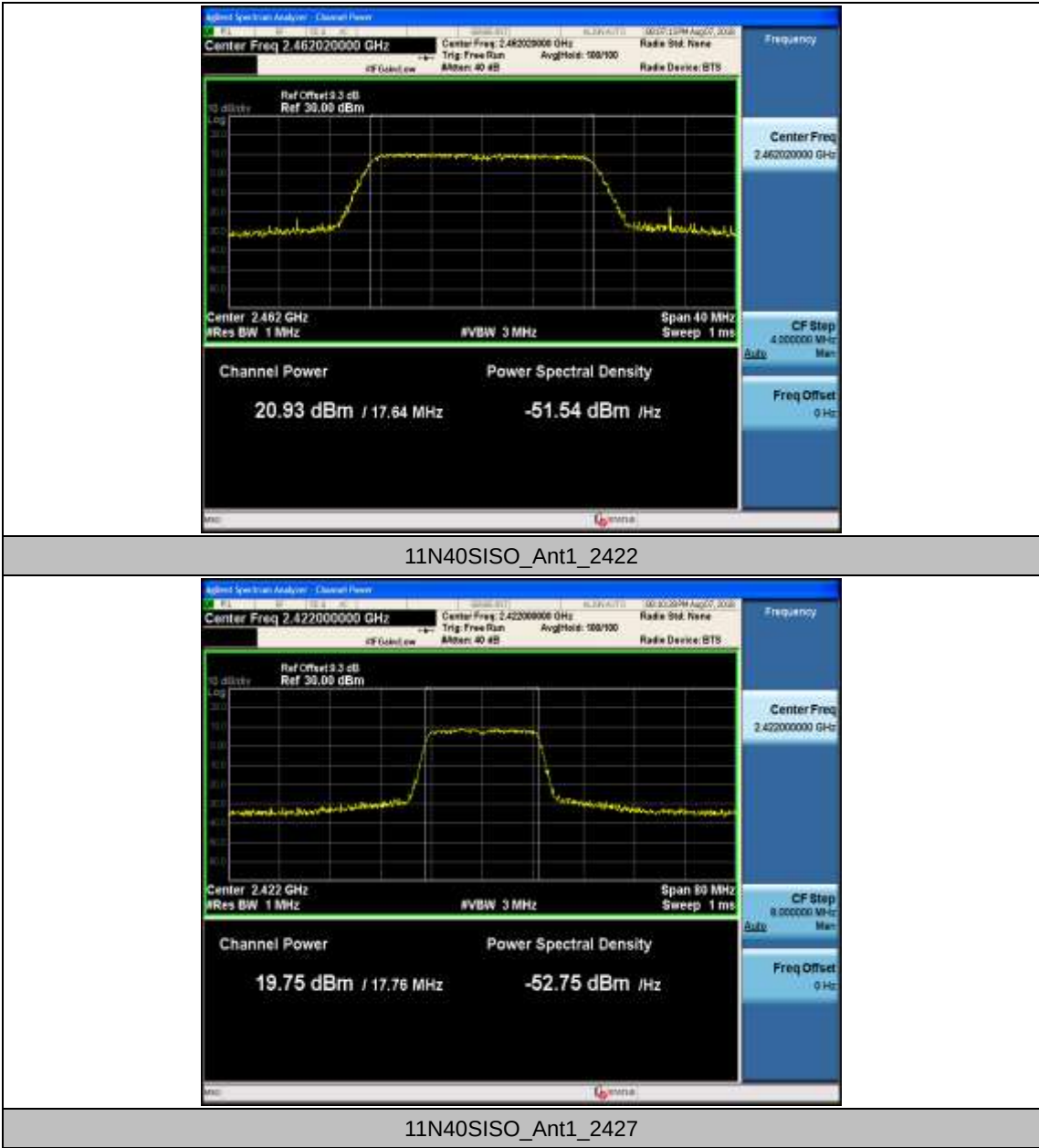


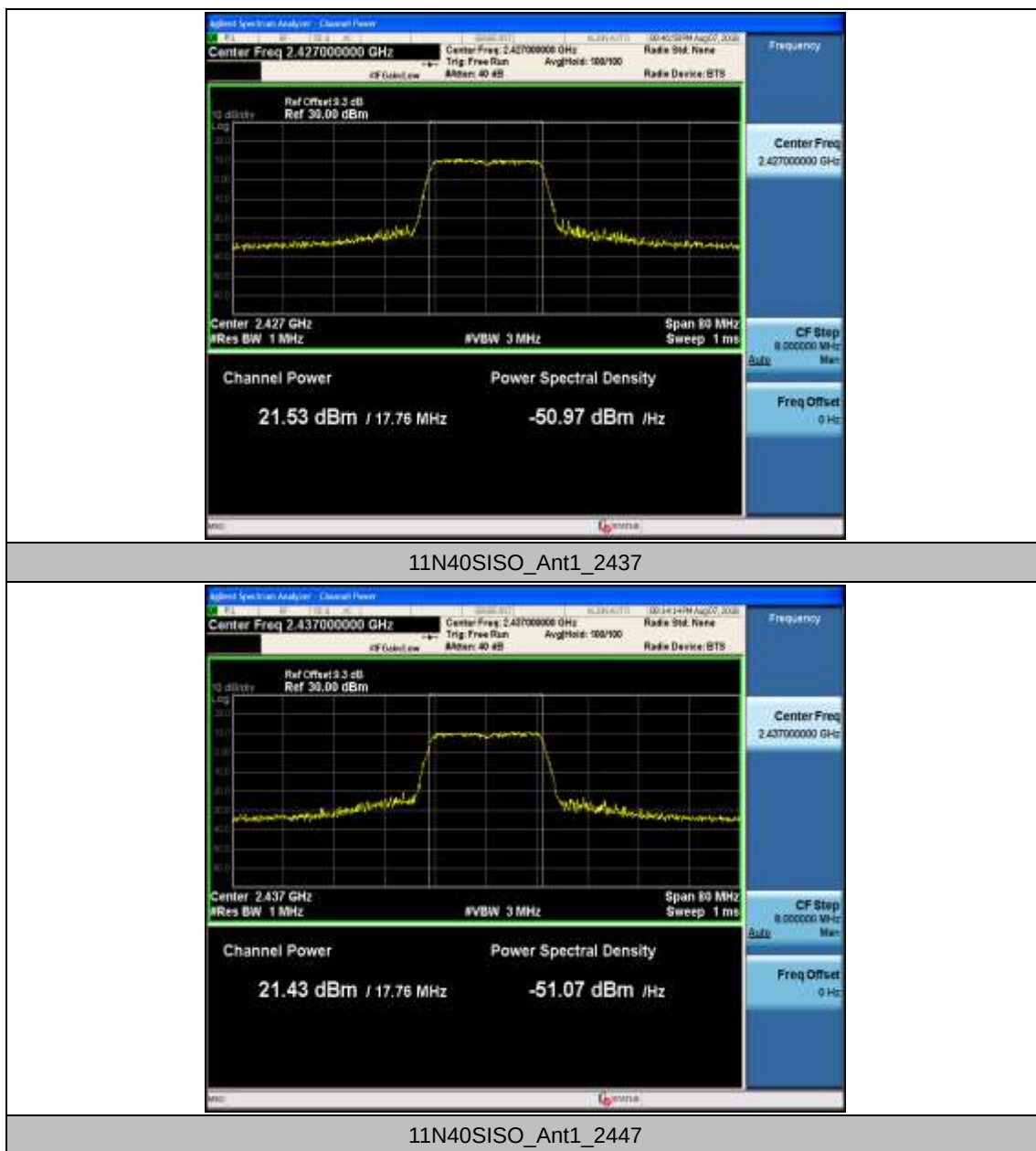
11G_Ant1_2457

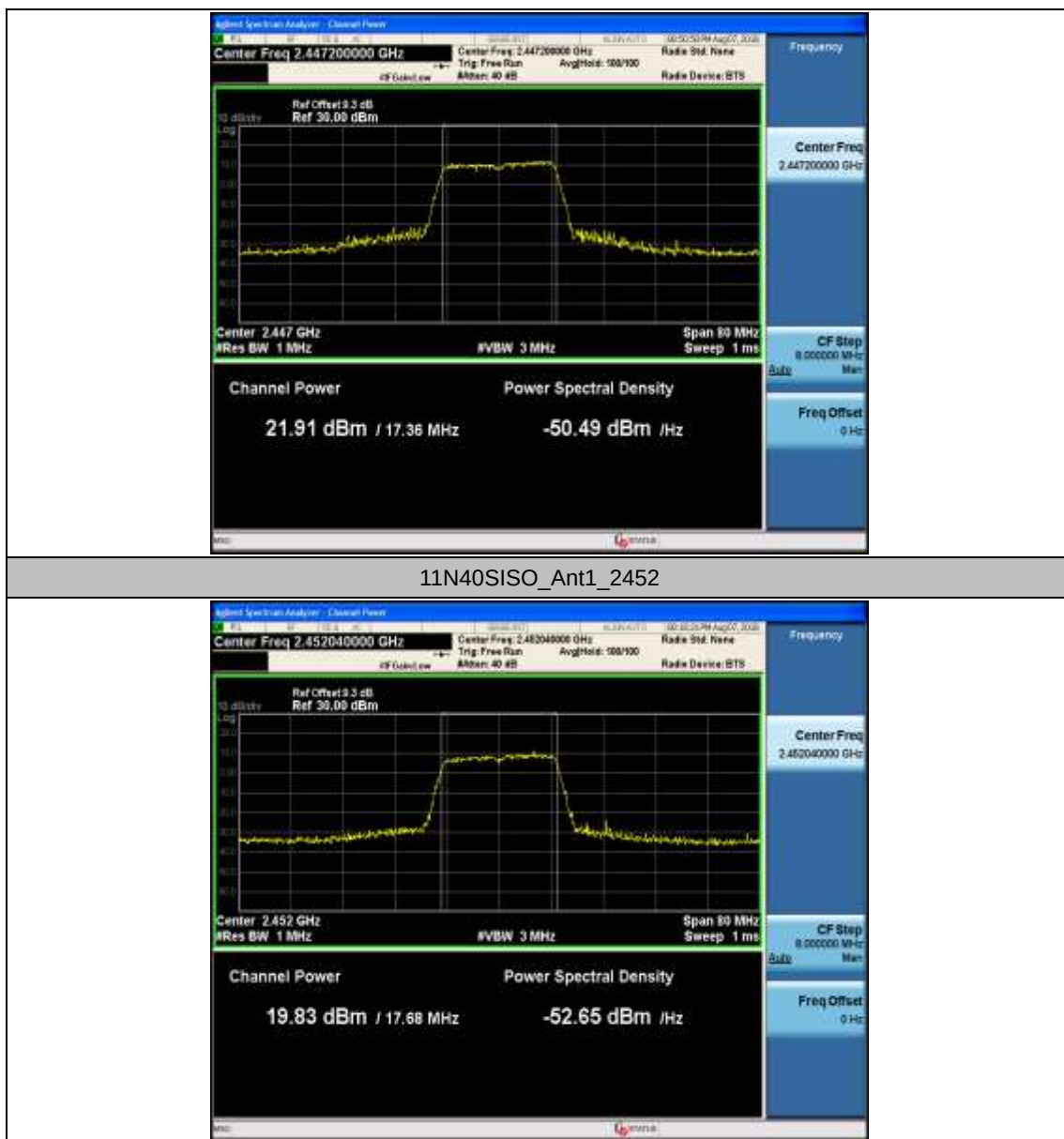














Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
11B	Ant1	2412	-0.26	8	PASS
		2437	1.73	8	PASS
		2462	-0.57	8	PASS
11G	Ant1	2412	-4.49	8	PASS
		2417	-0.67	8	PASS
		2437	-2.1	8	PASS
		2457	-3.2	8	PASS
		2462	-5.66	8	PASS
11N20SISO	Ant1	2412	-8.5	8	PASS
		2417	-4.29	8	PASS
		2437	-5.11	8	PASS
		2457	-3.37	8	PASS
		2462	-6.16	8	PASS
11N40SISO	Ant1	2422	-9.04	8	PASS
		2427	-4.72	8	PASS
		2437	-5.67	8	PASS
		2447	-4.51	8	PASS
		2452	-4.33	8	PASS



Test Graphs

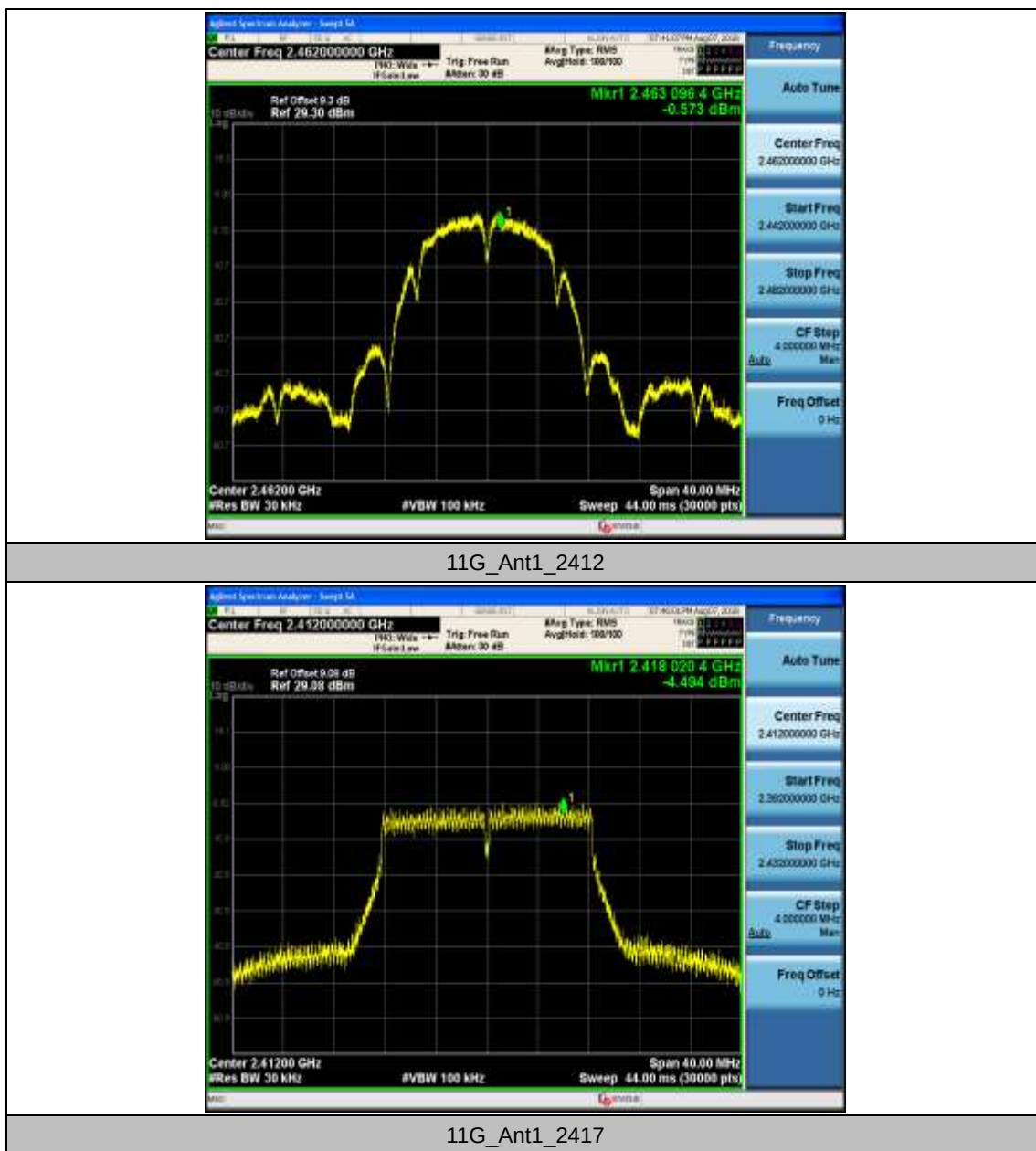
11B_Ant1_2412

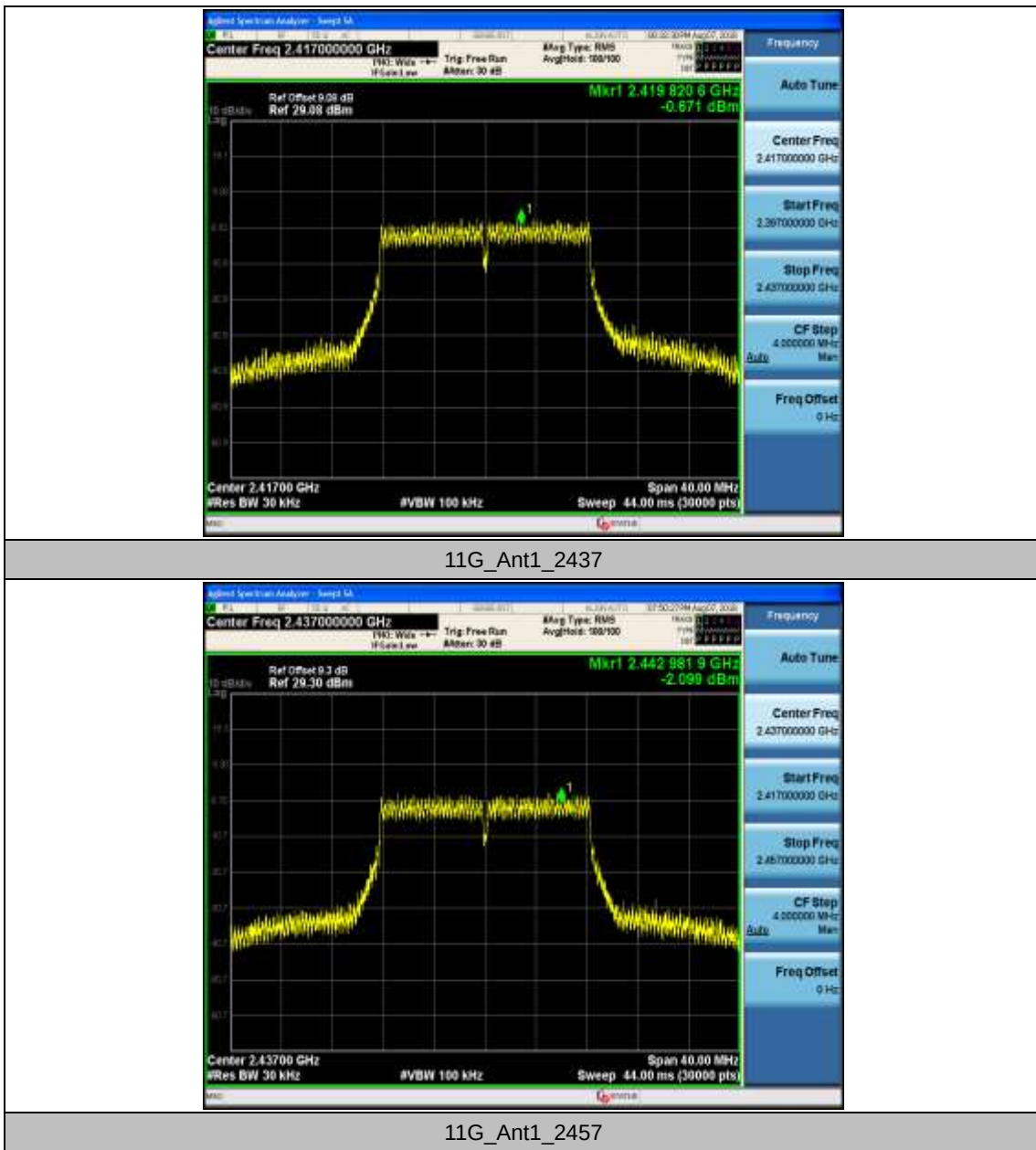


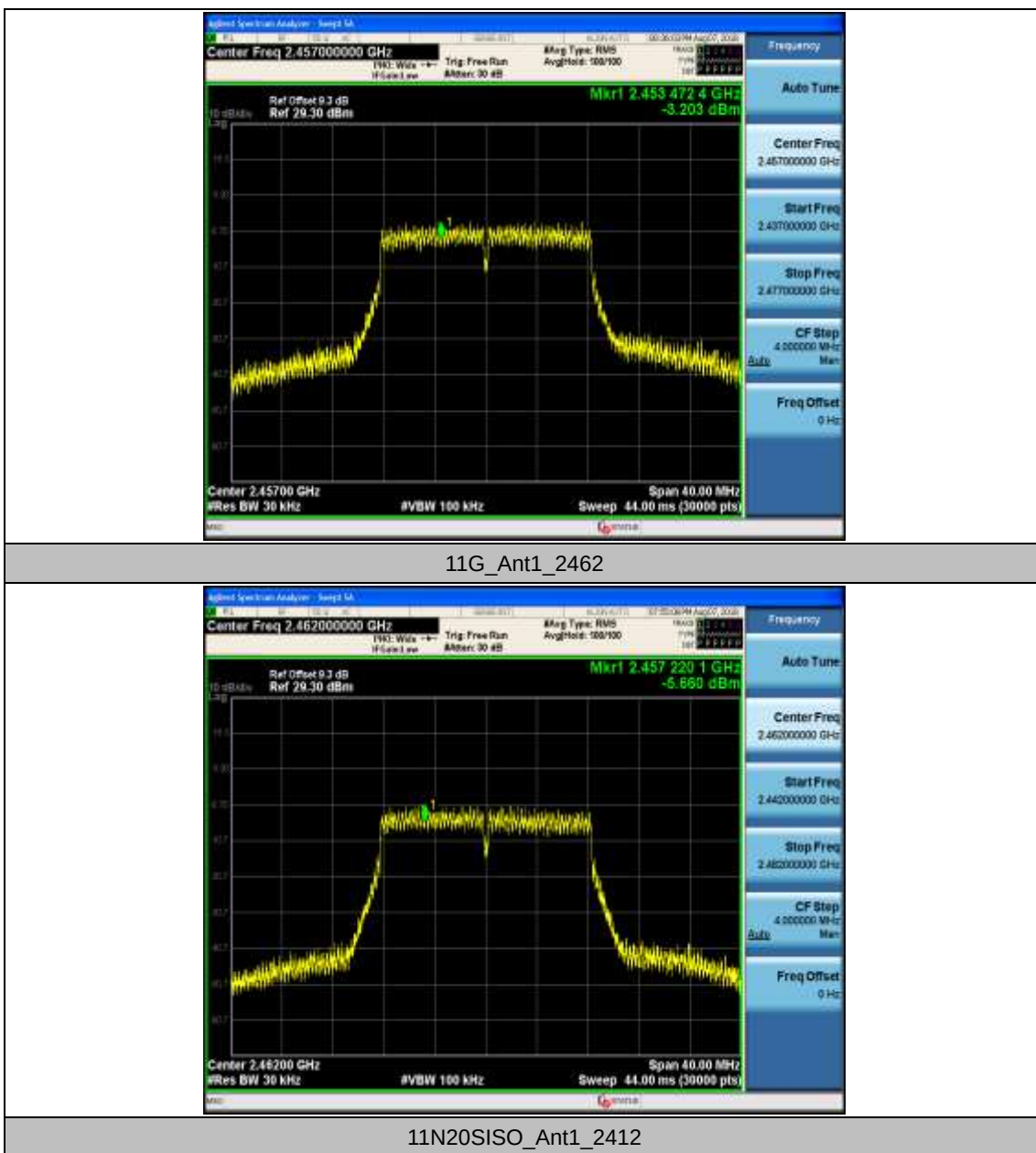
11B_Ant1_2437



11B_Ant1_2462

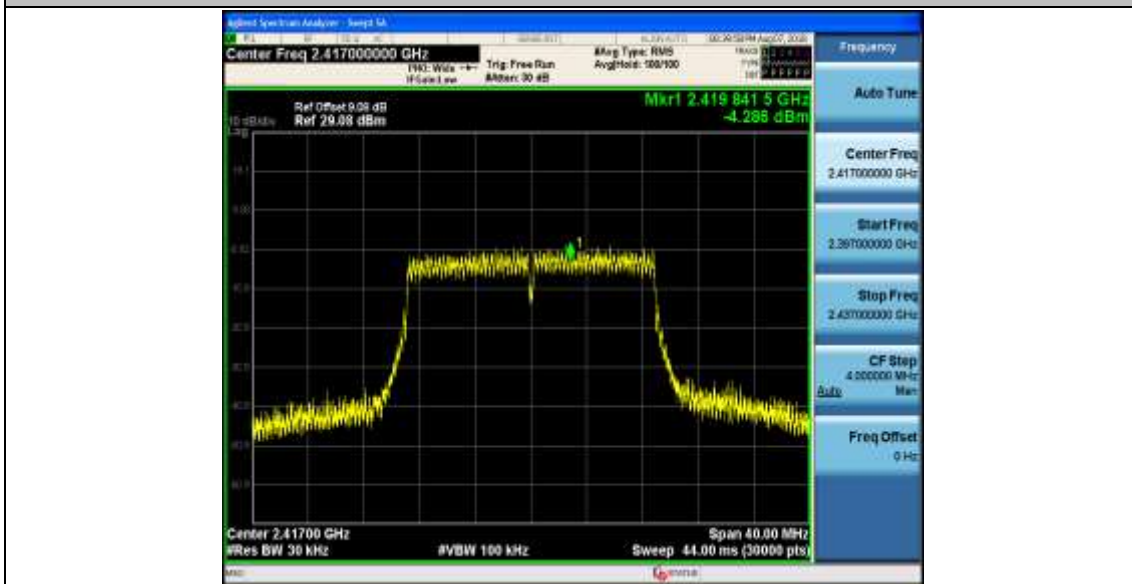




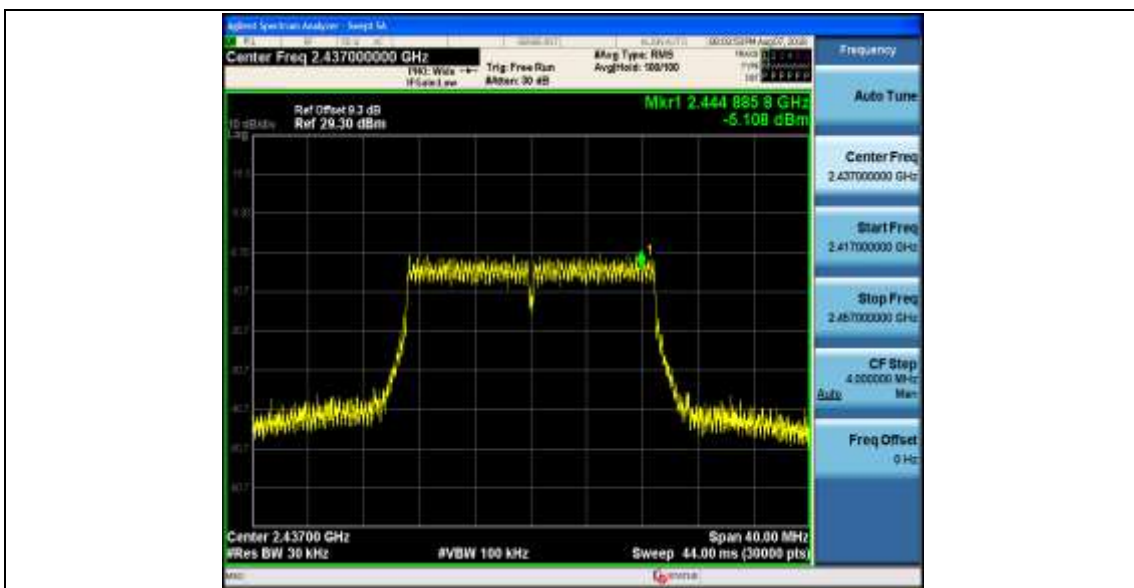




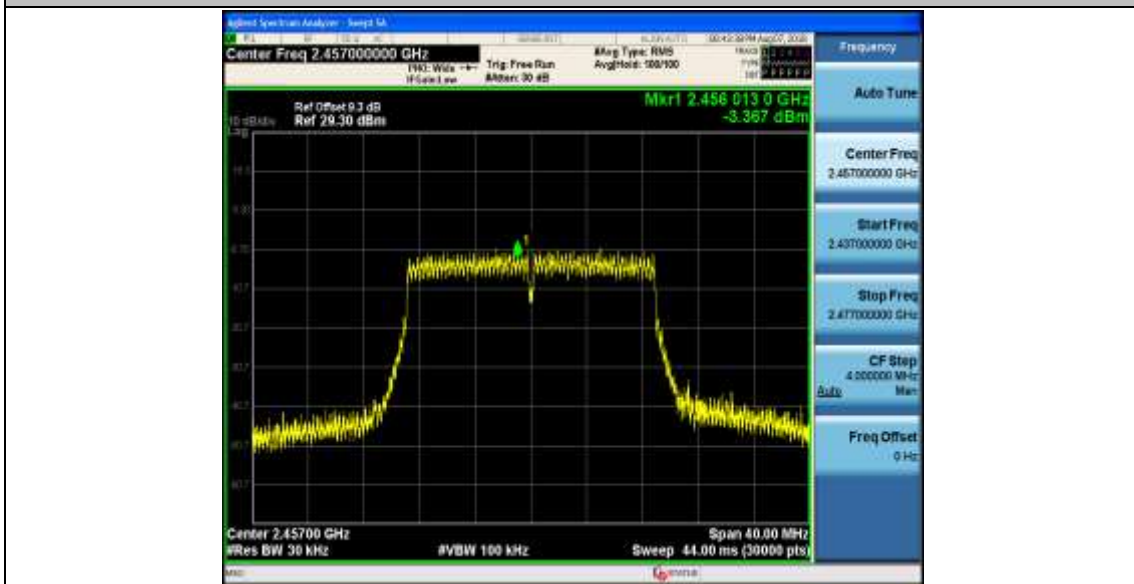
11N20SISO_Ant1_2417



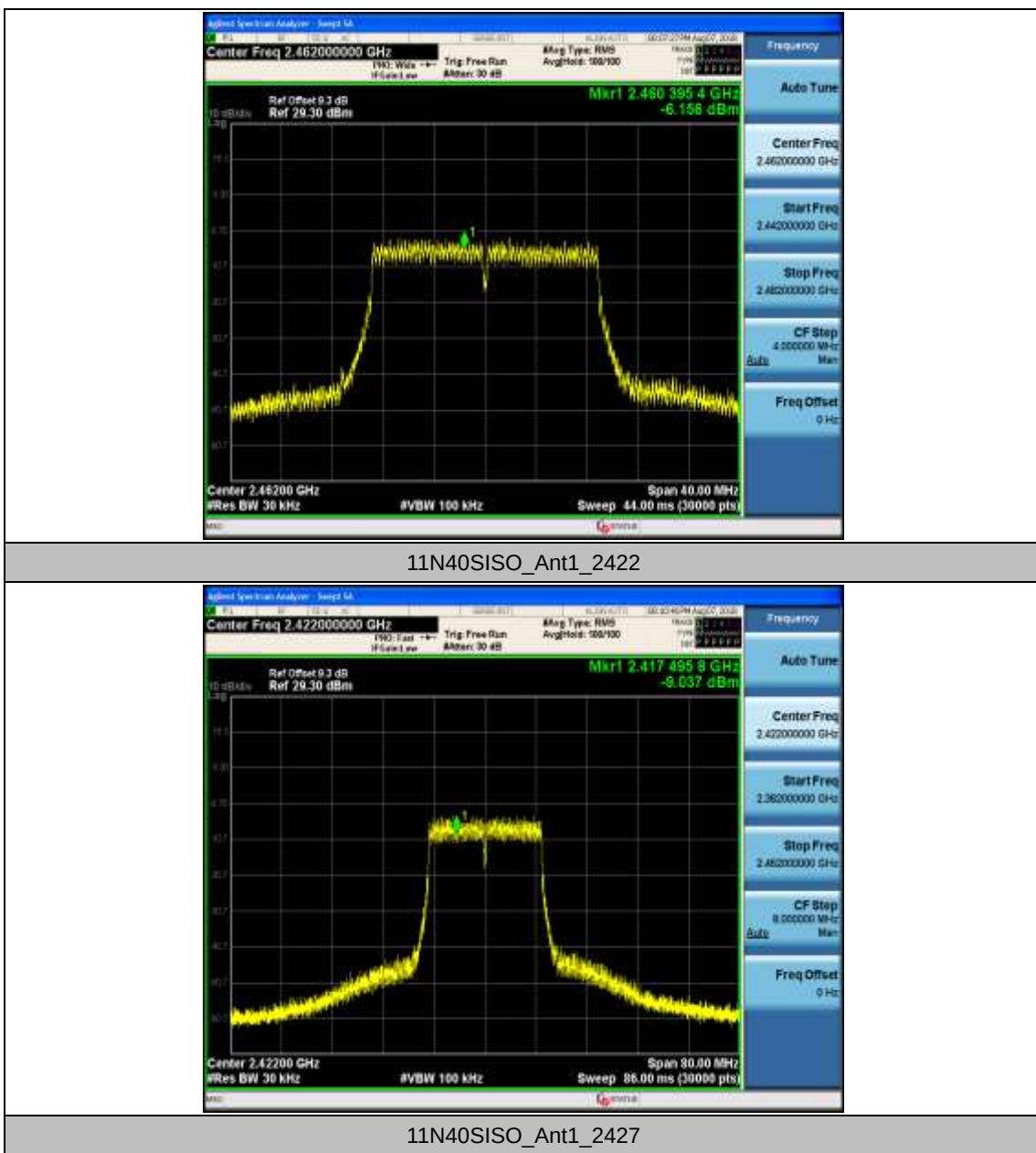
11N20SISO_Ant1_2437

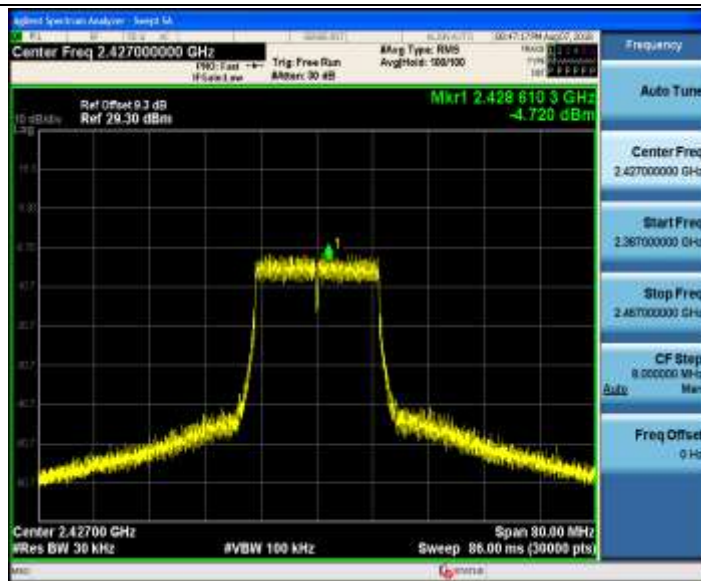


11N20SISO_Ant1_2457

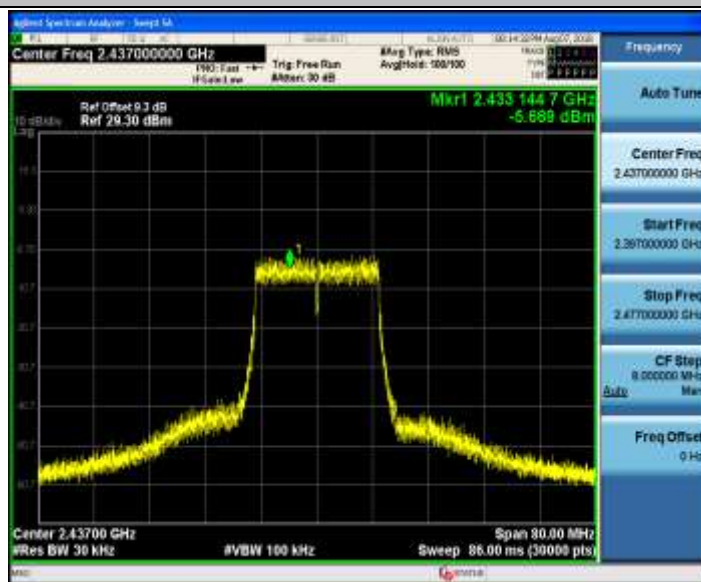


11N20SISO_Ant1_2462

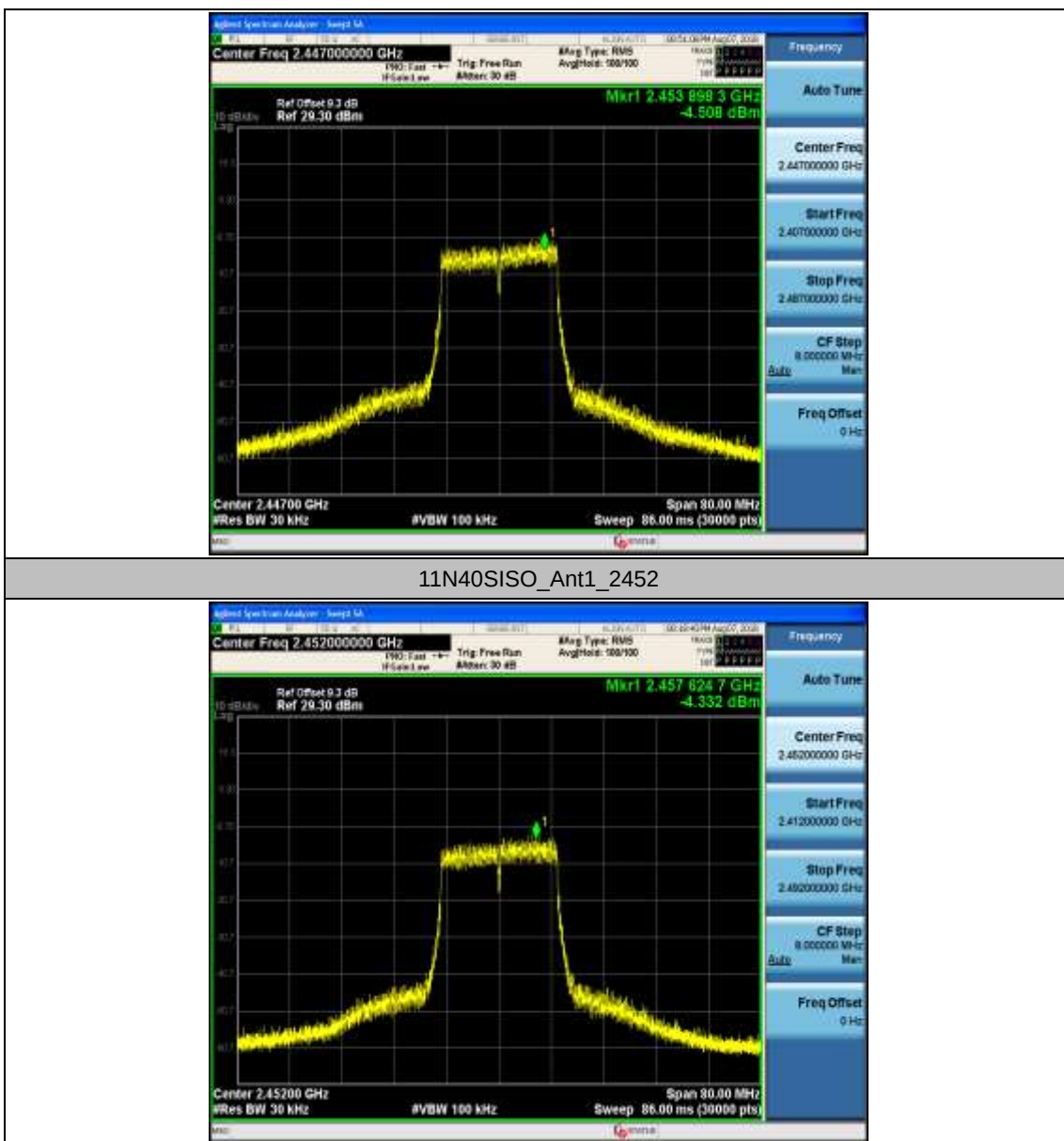




11N40SISO_Ant1_2437



11N40SISO_Ant1_2447





Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.46	-39.22	-10.54	PASS
		High	2462	9.23	-45.42	-10.77	PASS
11G	Ant1	Low	2412	3.97	-32.55	-16.03	PASS
			2417	6.85	-29.66	-13.15	PASS
		High	2457	7.36	-42.65	-12.64	PASS
			2462	4.15	-43.48	-15.85	PASS
11N20SISO	Ant1	Low	2412	2.71	-35.41	-17.29	PASS
			2417	4.83	-34.81	-15.17	PASS
		High	2457	4.26	-45.73	-15.74	PASS
			2462	2.60	-44.71	-17.4	PASS
11N40SISO	Ant1	Low	2422	1.27	-44.01	-18.73	PASS
			2427	3.08	-45.26	-16.92	PASS
		High	2447	3.92	-50.9	-16.08	PASS
			2452	1.93	-51.4	-18.07	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



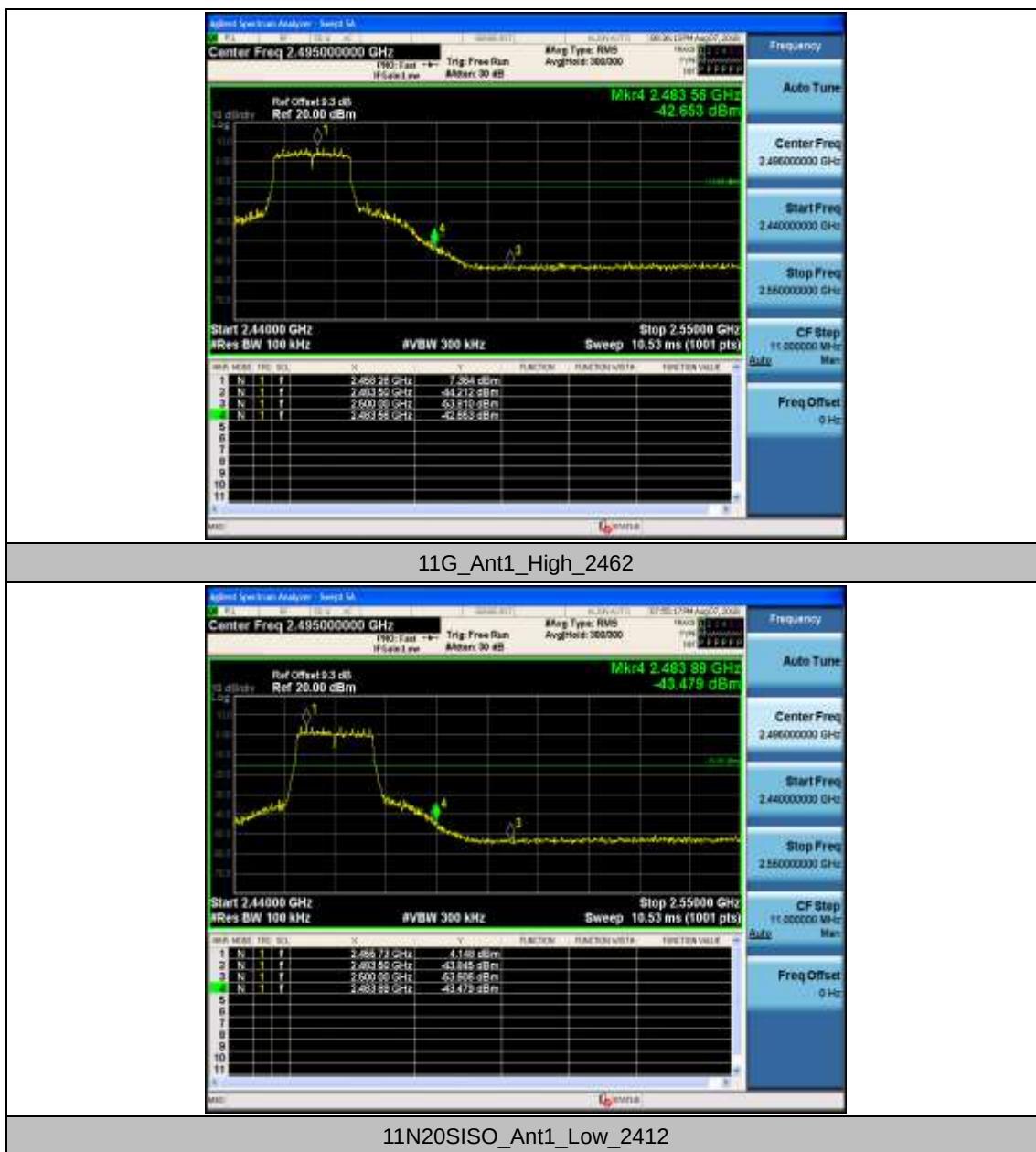
11G_Ant1_Low_2412

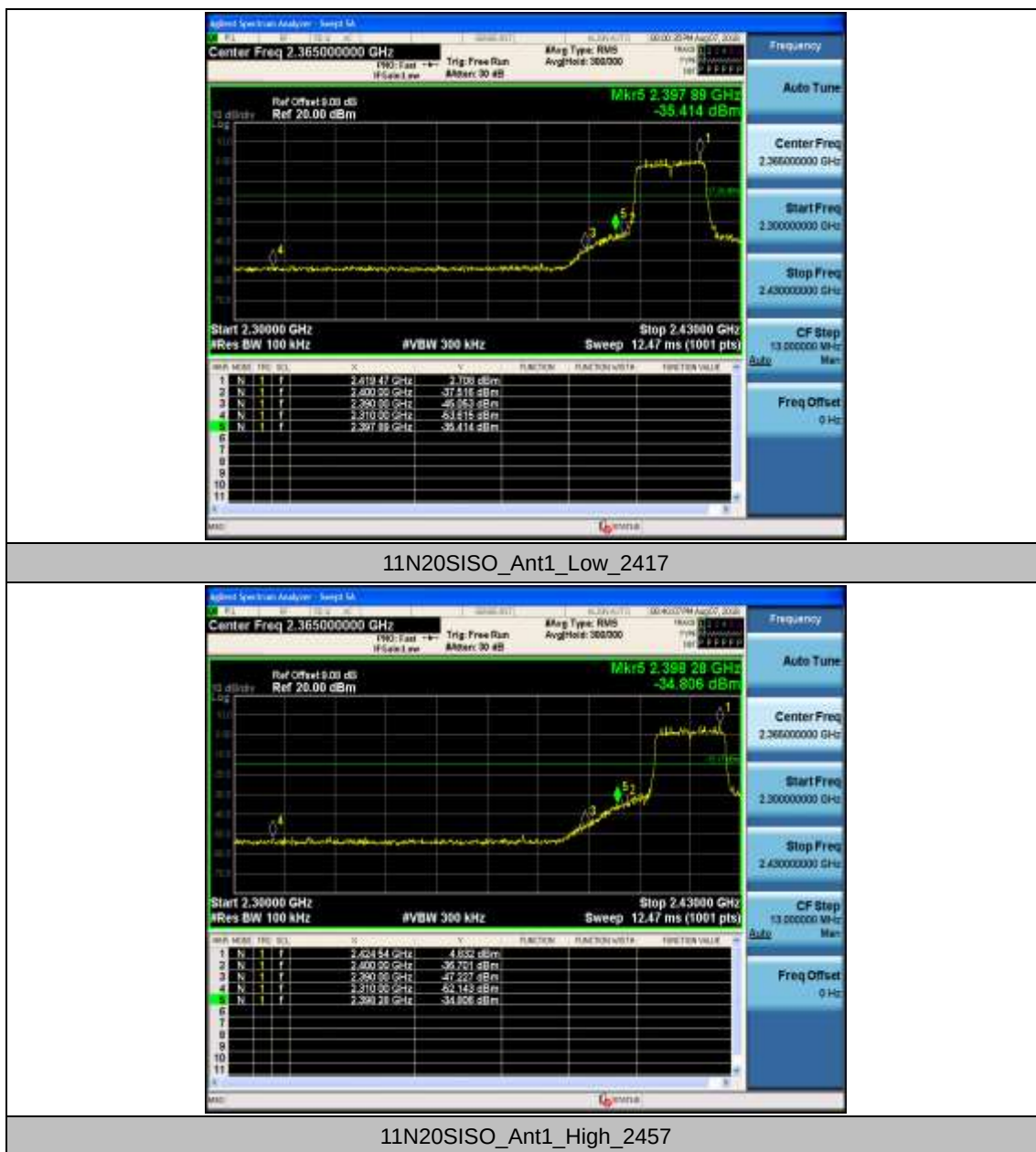


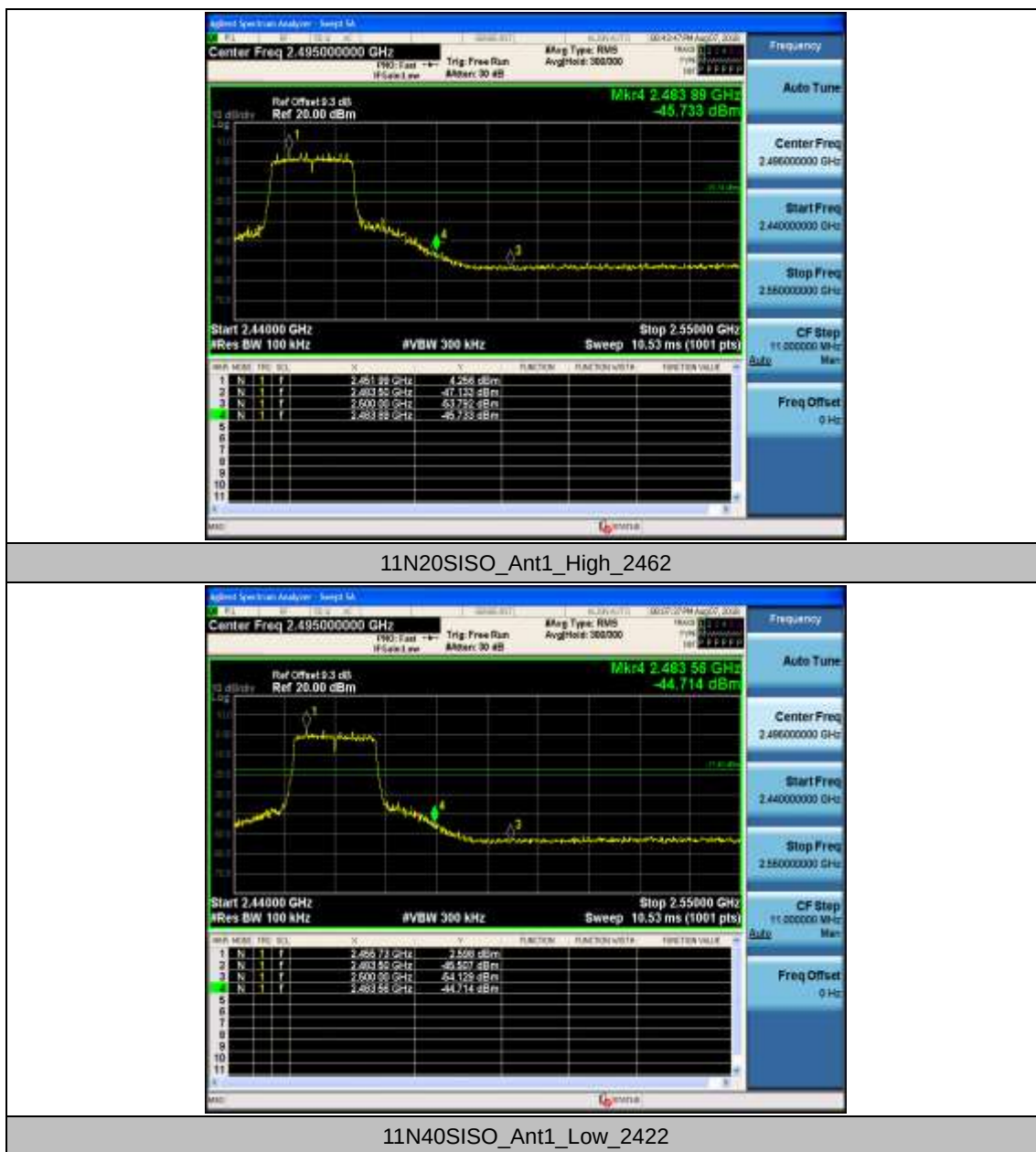
11G_Ant1_Low_2417

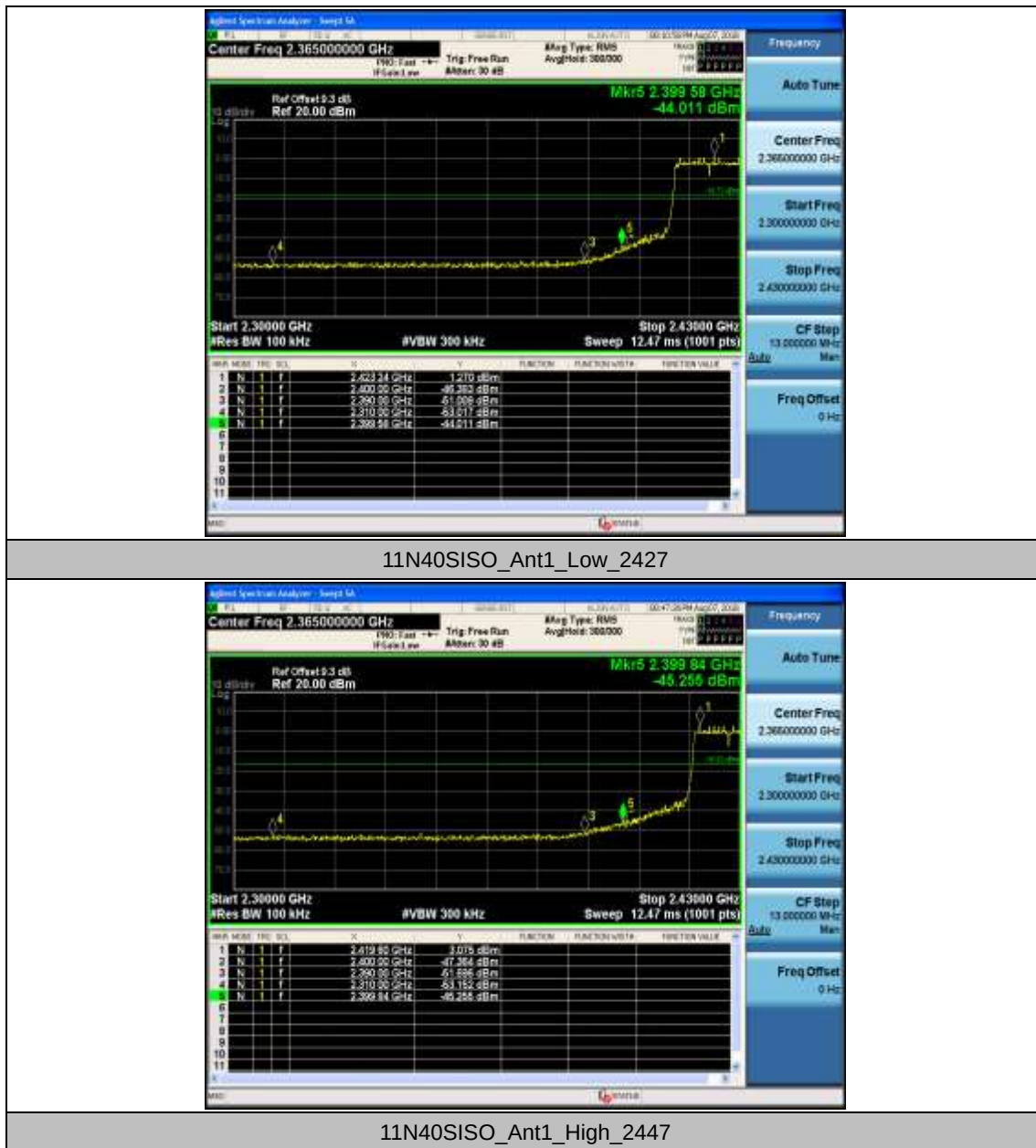


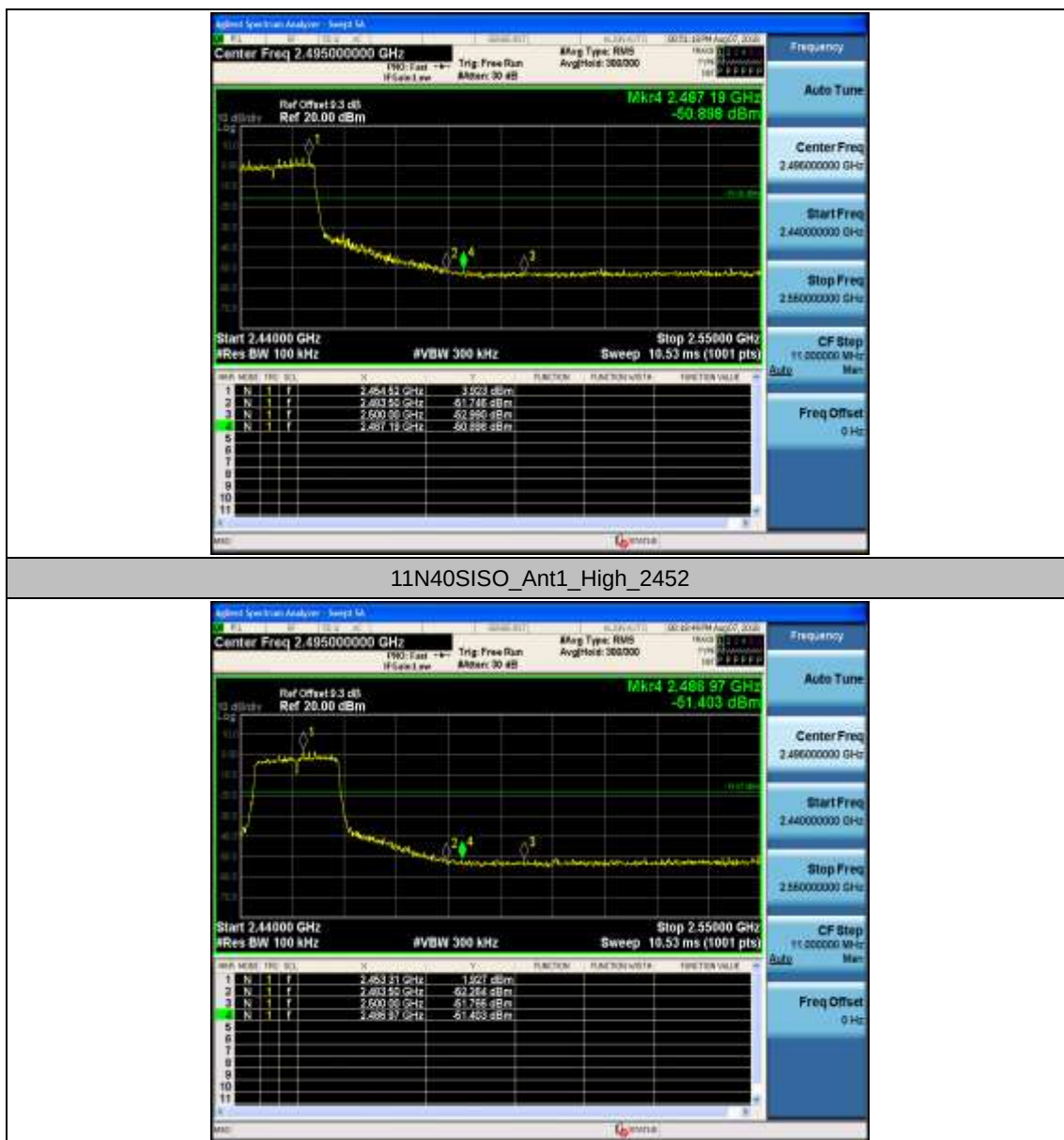
11G_Ant1_High_2457













Appendix F: Unwanted Emissions into Non-Restricted Frequency Bands

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	9.08	9.08	---	PASS
			0.009~30	9.08	-73.41	-20.92	PASS
			30~1000	9.08	-62.68	-10.92	PASS
			1000~26500	9.08	-44.89	-10.92	PASS
		2437	Reference	8.82	8.82	---	PASS
			0.009~30	8.82	-73.3	-21.18	PASS
			30~1000	8.82	-63.04	-11.18	PASS
			1000~26500	8.82	-45.54	-11.18	PASS
		2462	Reference	9.15	9.15	---	PASS
			0.009~30	9.15	-74.67	-20.85	PASS
			30~1000	9.15	-62.61	-10.85	PASS
			1000~26500	9.15	-44.39	-10.85	PASS
11G	Ant1	2412	Reference	3.71	3.71	---	PASS
			0.009~30	3.71	-73.42	-26.29	PASS
			30~1000	3.71	-63.05	-16.29	PASS
			1000~26500	3.71	-45.31	-16.29	PASS
		2417	Reference	6.31	6.31	---	PASS
			0.009~30	6.31	-75.02	-23.69	PASS
			30~1000	6.31	-63.23	-13.69	PASS
			1000~26500	6.31	-41.6	-13.69	PASS
		2437	Reference	5.84	5.84	---	PASS
			0.009~30	5.84	-74.88	-24.16	PASS
			30~1000	5.84	-63.18	-14.16	PASS
			1000~26500	5.84	-46.45	-14.16	PASS
		2457	Reference	7.41	7.41	---	PASS
			0.009~30	7.41	-73.87	-22.59	PASS
			30~1000	7.41	-63.19	-12.59	PASS
			1000~26500	7.41	-46.72	-12.59	PASS
		2462	Reference	4.02	4.02	---	PASS
			0.009~30	4.02	-75.13	-25.98	PASS



			30~1000	4.02	-63.46	-15.98	PASS
			1000~26500	4.02	-42.95	-15.98	PASS
11N20SI SO	Ant1	2412	Reference	2.59	2.59	---	PASS
			0.009~30	2.59	-74.99	-27.41	PASS
			30~1000	2.59	-63.57	-17.41	PASS
			1000~26500	2.59	-43.52	-17.41	PASS
		2417	Reference	4.84	4.84	---	PASS
			0.009~30	4.84	-75.4	-25.16	PASS
			30~1000	4.84	-63.79	-15.16	PASS
			1000~26500	4.84	-43.38	-15.16	PASS
		2437	Reference	3.97	3.97	---	PASS
			0.009~30	3.97	-75.35	-26.03	PASS
			30~1000	3.97	-63.3	-16.03	PASS
			1000~26500	3.97	-44.53	-16.03	PASS
		2457	Reference	3.79	3.79	---	PASS
			0.009~30	3.79	-74.92	-26.21	PASS
			30~1000	3.79	-63.19	-16.21	PASS
			1000~26500	3.79	-44.35	-16.21	PASS
		2462	Reference	1.69	1.69	---	PASS
			0.009~30	1.69	-75.16	-28.31	PASS
			30~1000	1.69	-62.98	-18.31	PASS
			1000~26500	1.69	-45.41	-18.31	PASS
11N40SI SO	Ant1	2422	Reference	1.53	1.53	---	PASS
			0.009~30	1.53	-74.52	-28.47	PASS
			30~1000	1.53	-63.75	-18.47	PASS
			1000~26500	1.53	-45.5	-18.47	PASS
		2427	Reference	2.62	2.62	---	PASS
			0.009~30	2.62	-74.83	-27.38	PASS
			30~1000	2.62	-63.12	-17.38	PASS
			1000~26500	2.62	-44.74	-17.38	PASS
		2437	Reference	2.48	2.48	---	PASS
			0.009~30	2.48	-75.18	-27.52	PASS
			30~1000	2.48	-62.78	-17.52	PASS
			1000~26500	2.48	-46.14	-17.52	PASS
		2447	Reference	2.89	2.89	---	PASS
			0.009~30	2.89	-75.4	-27.11	PASS
			30~1000	2.89	-63.69	-17.11	PASS
			1000~26500	2.89	-44.2	-17.11	PASS



		2452	Reference	1.81	1.81	---	PASS
			0.009~30	1.81	-75.01	-28.19	PASS
			30~1000	1.81	-62.31	-18.19	PASS
			1000~26500	1.81	-47.29	-18.19	PASS



Test Graphs

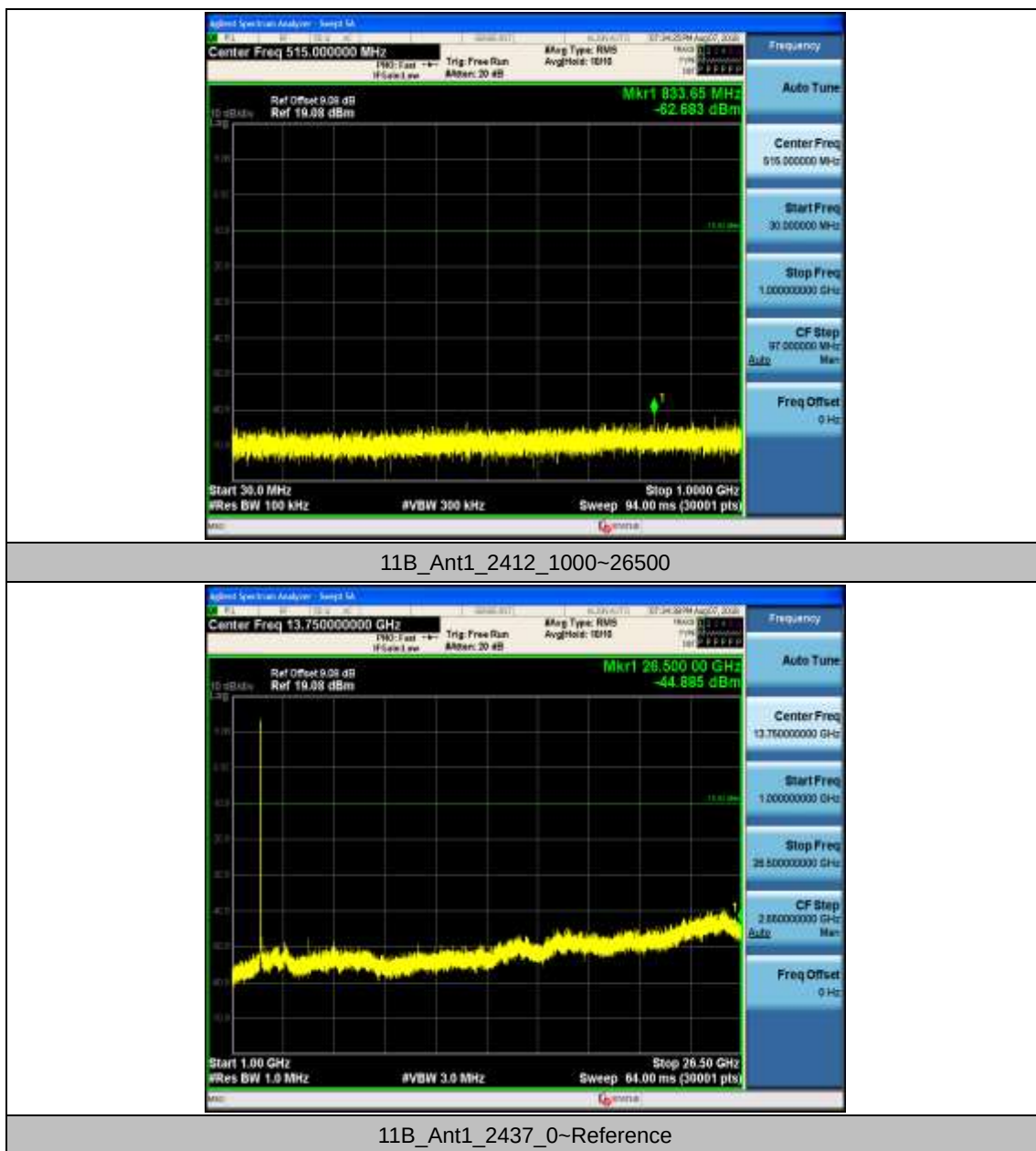
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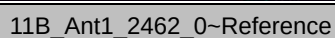
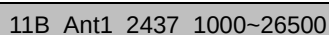
11B_Ant1_2412_0.009~30



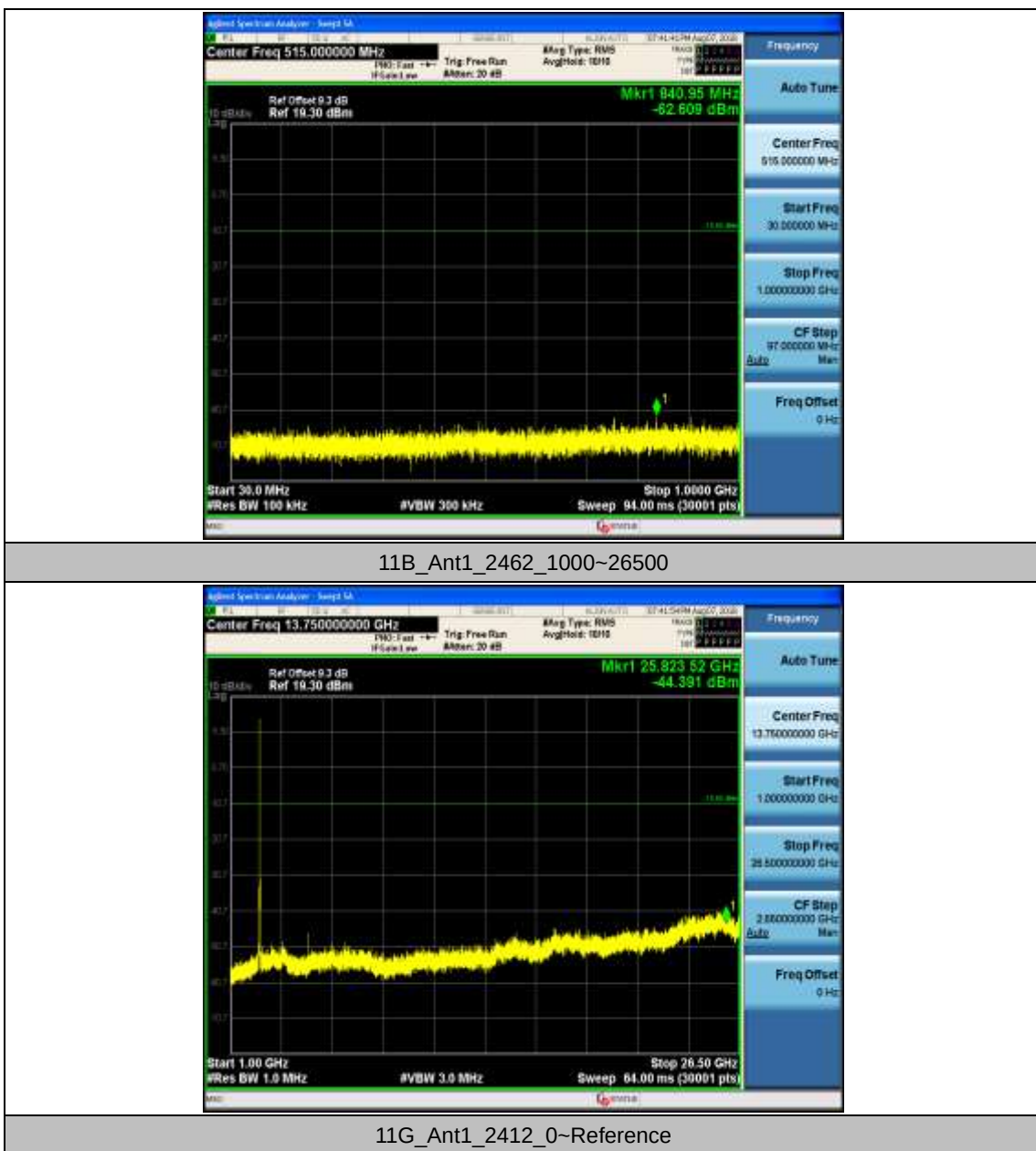
11B_Ant1_2412_30~1000

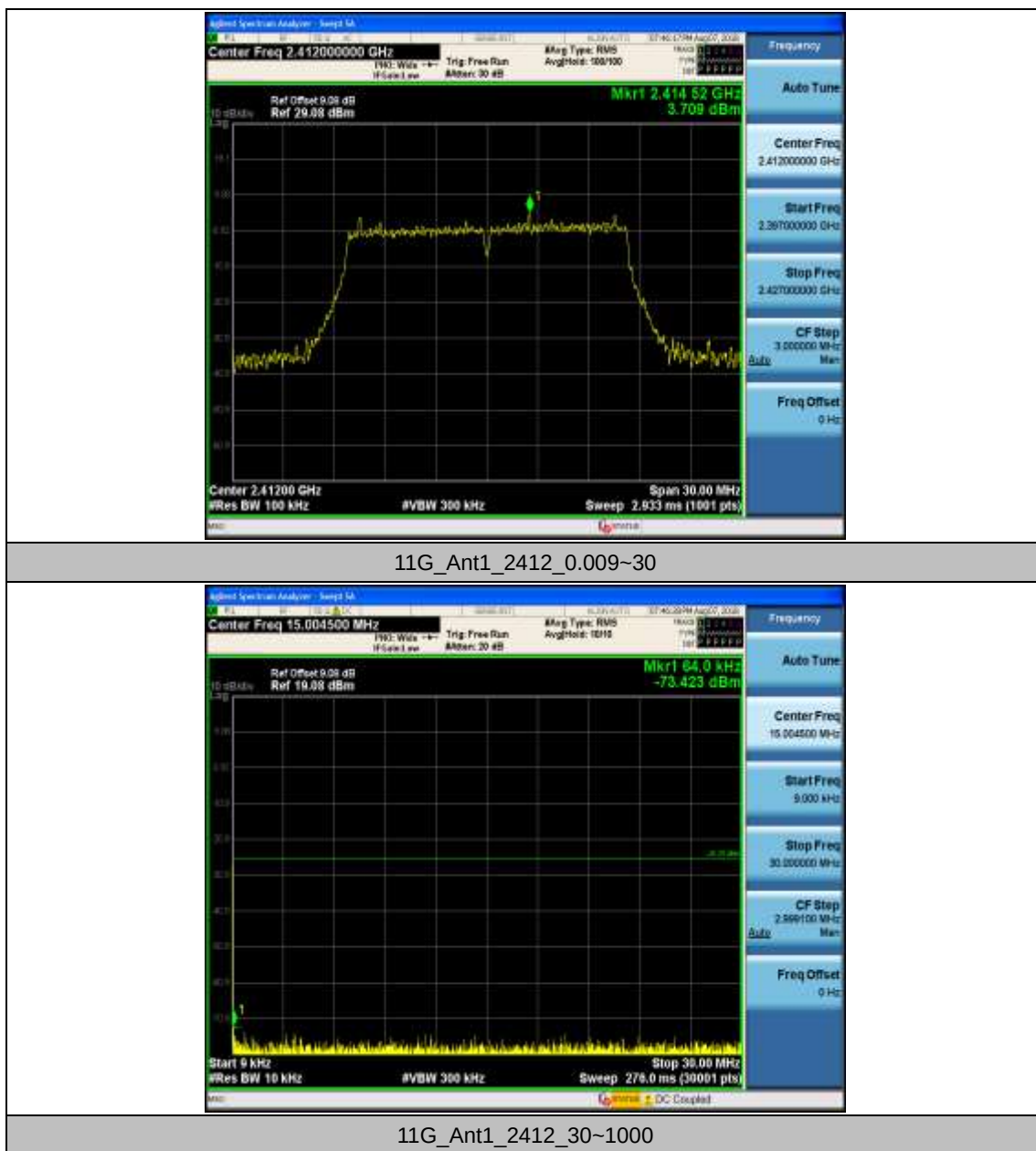


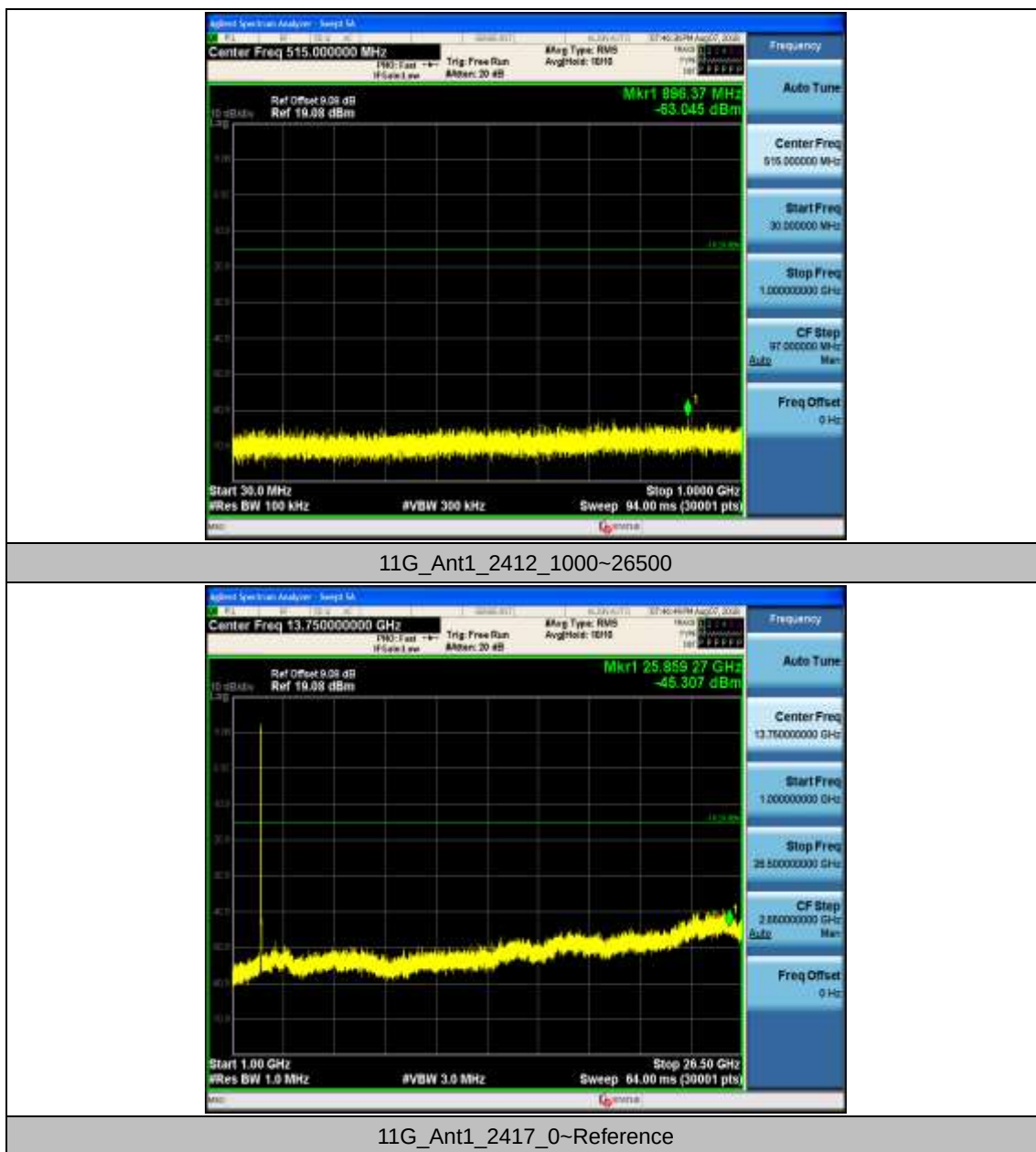


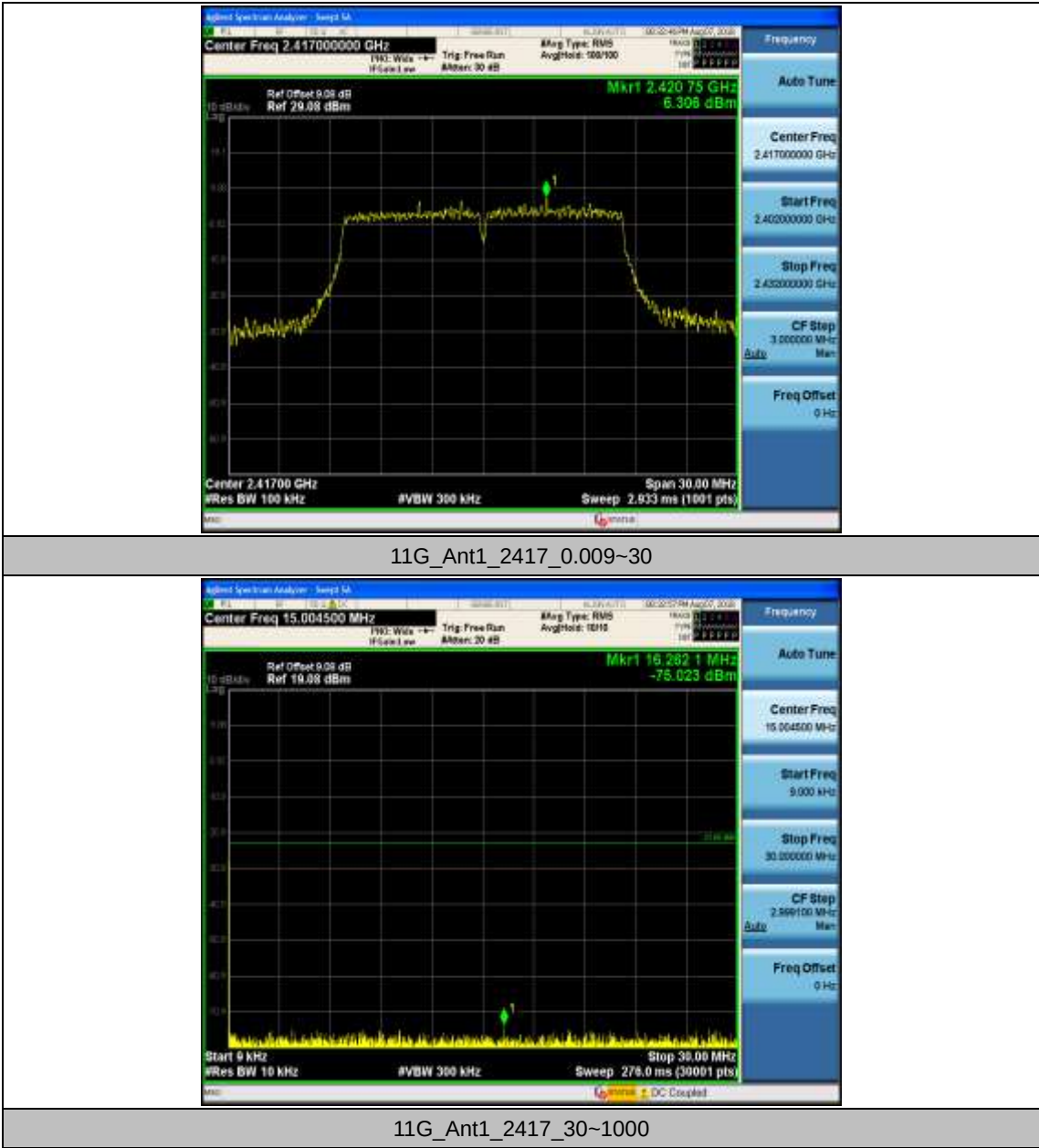


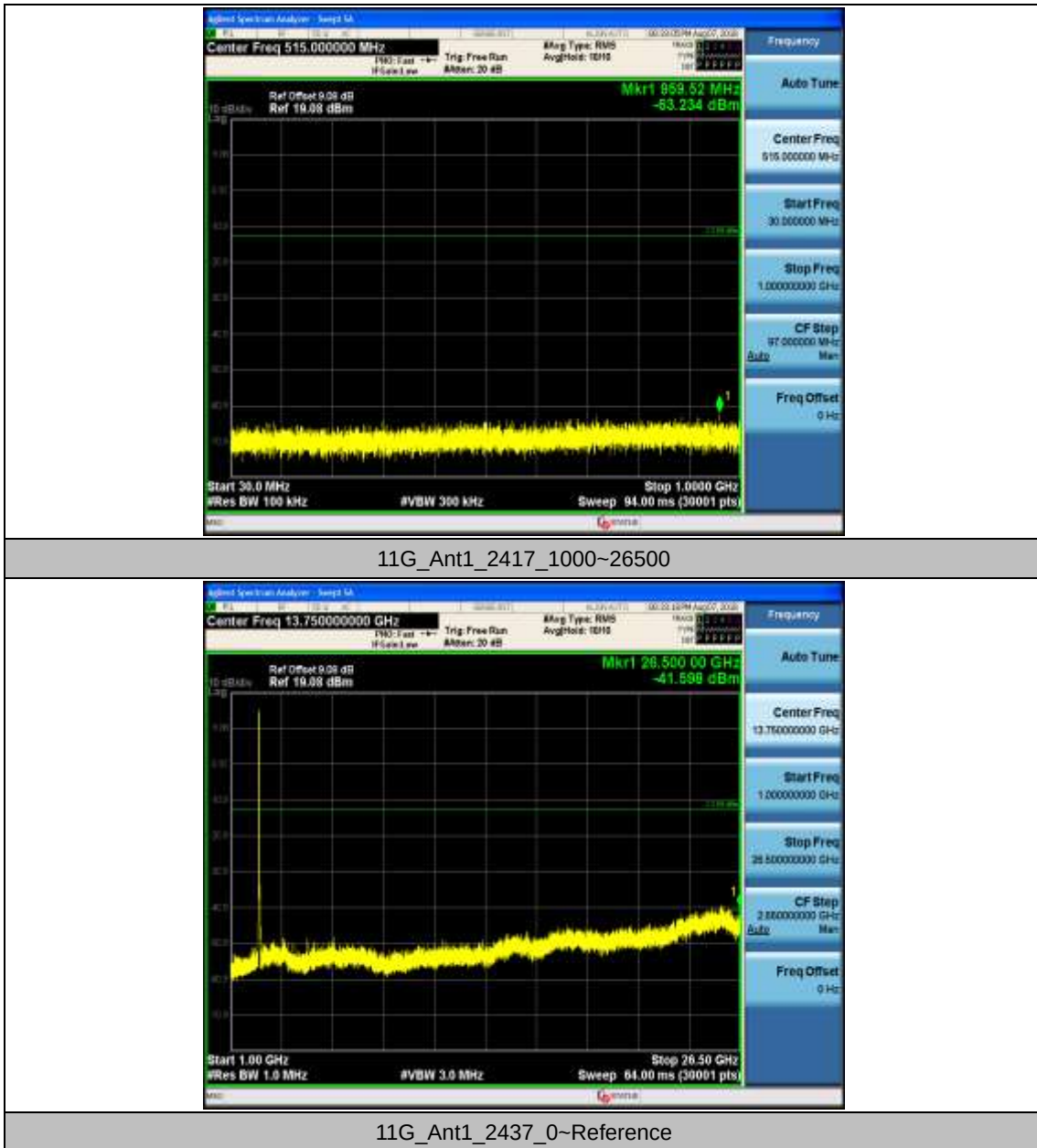




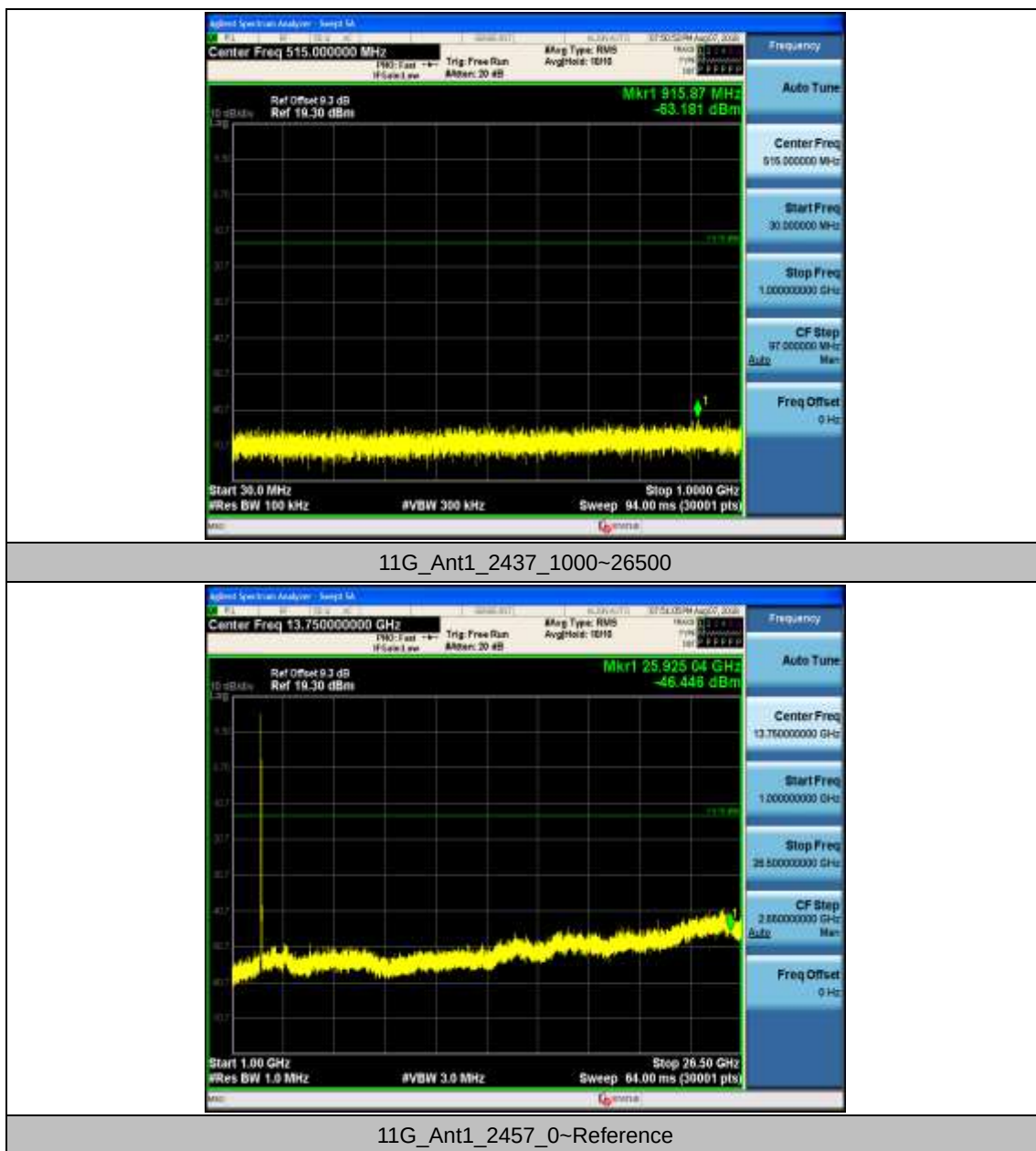


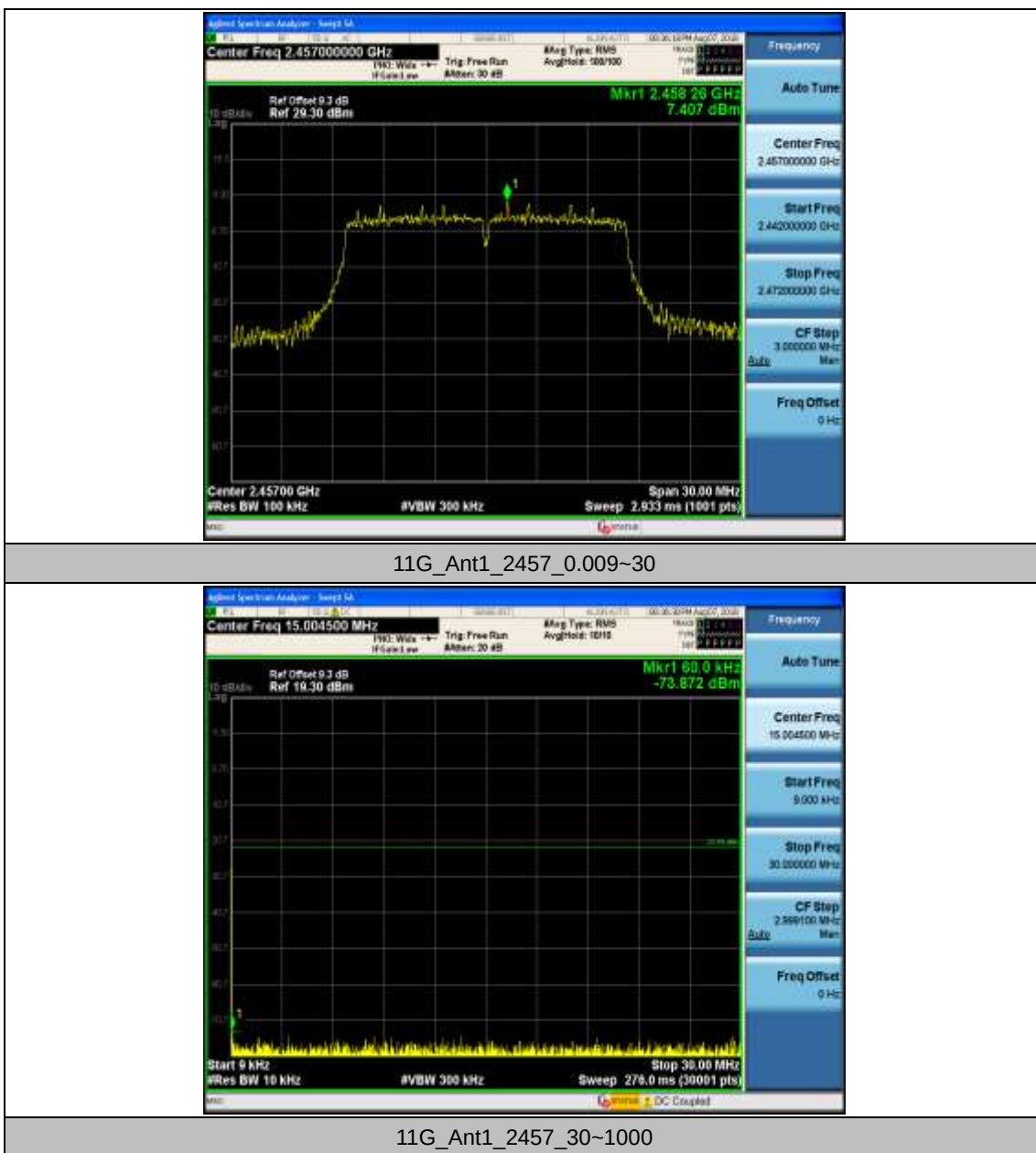


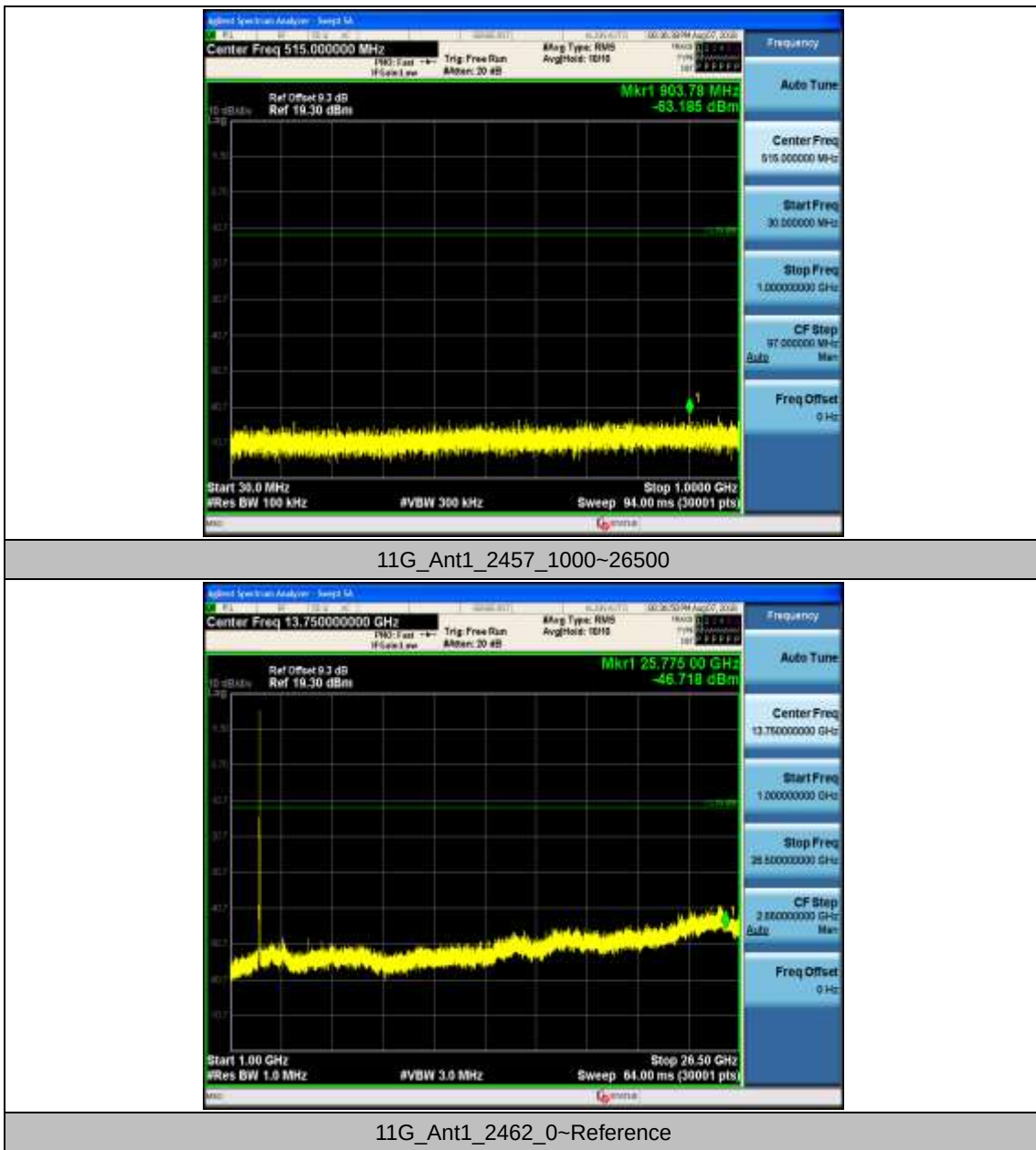


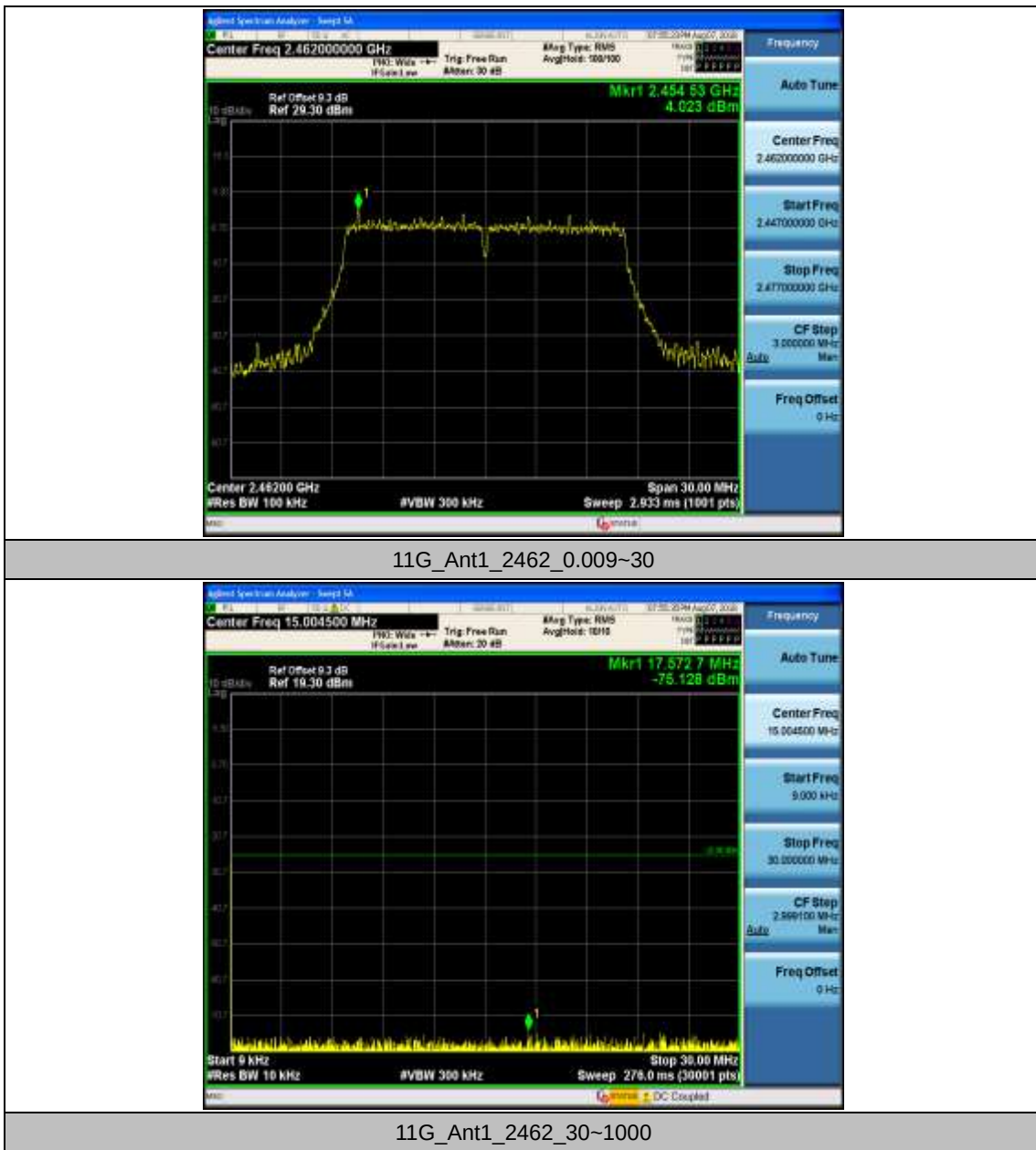


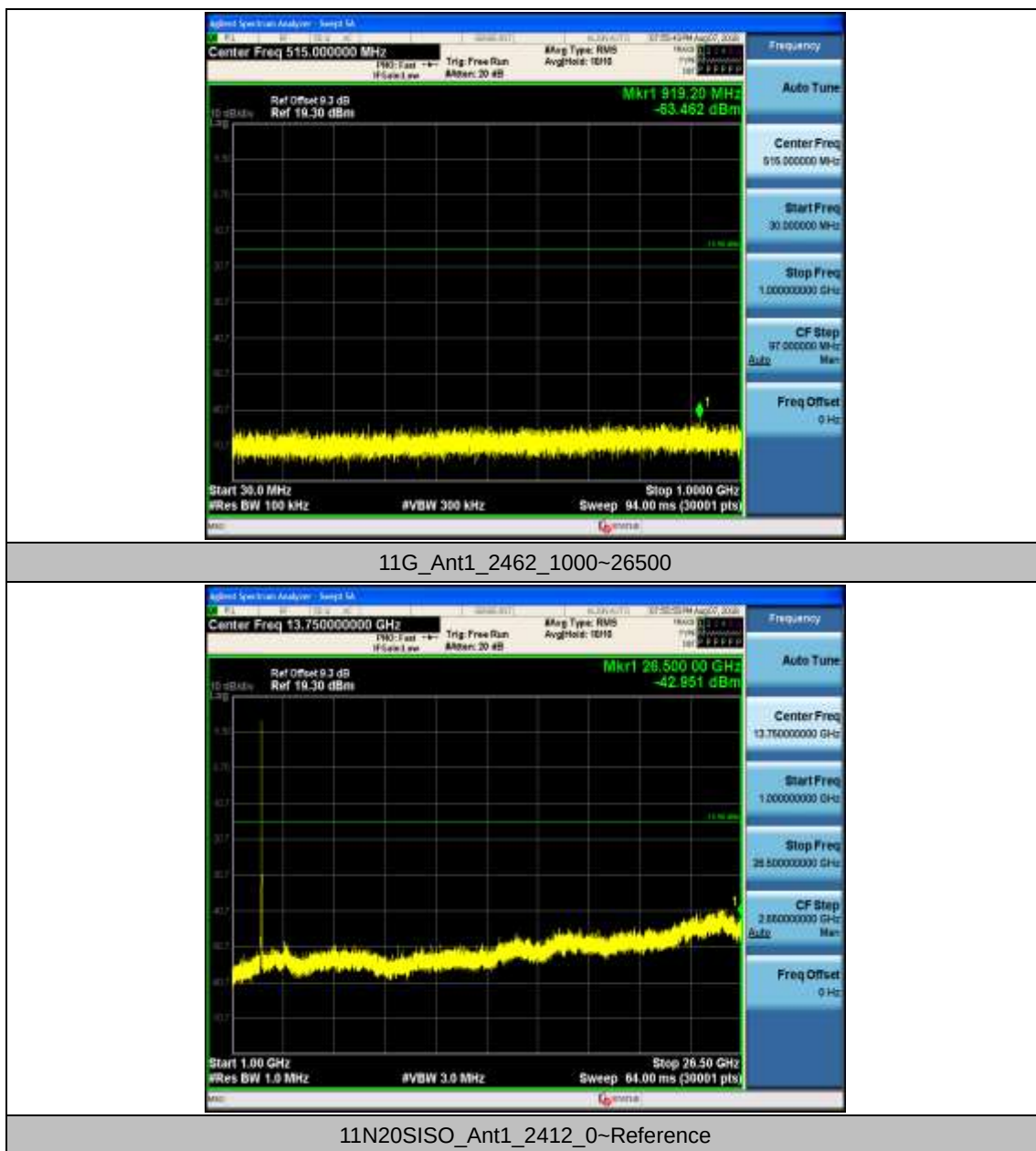


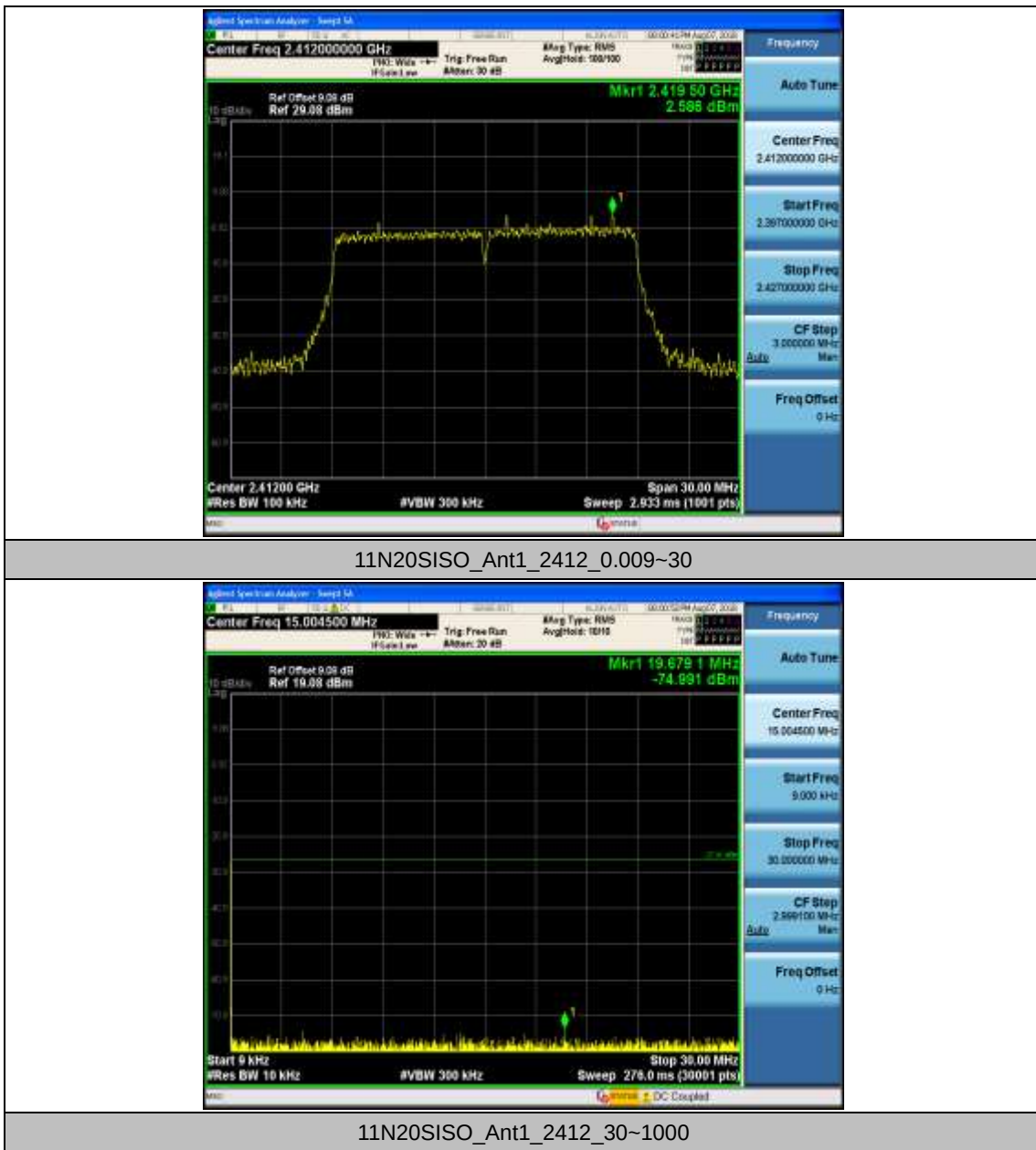


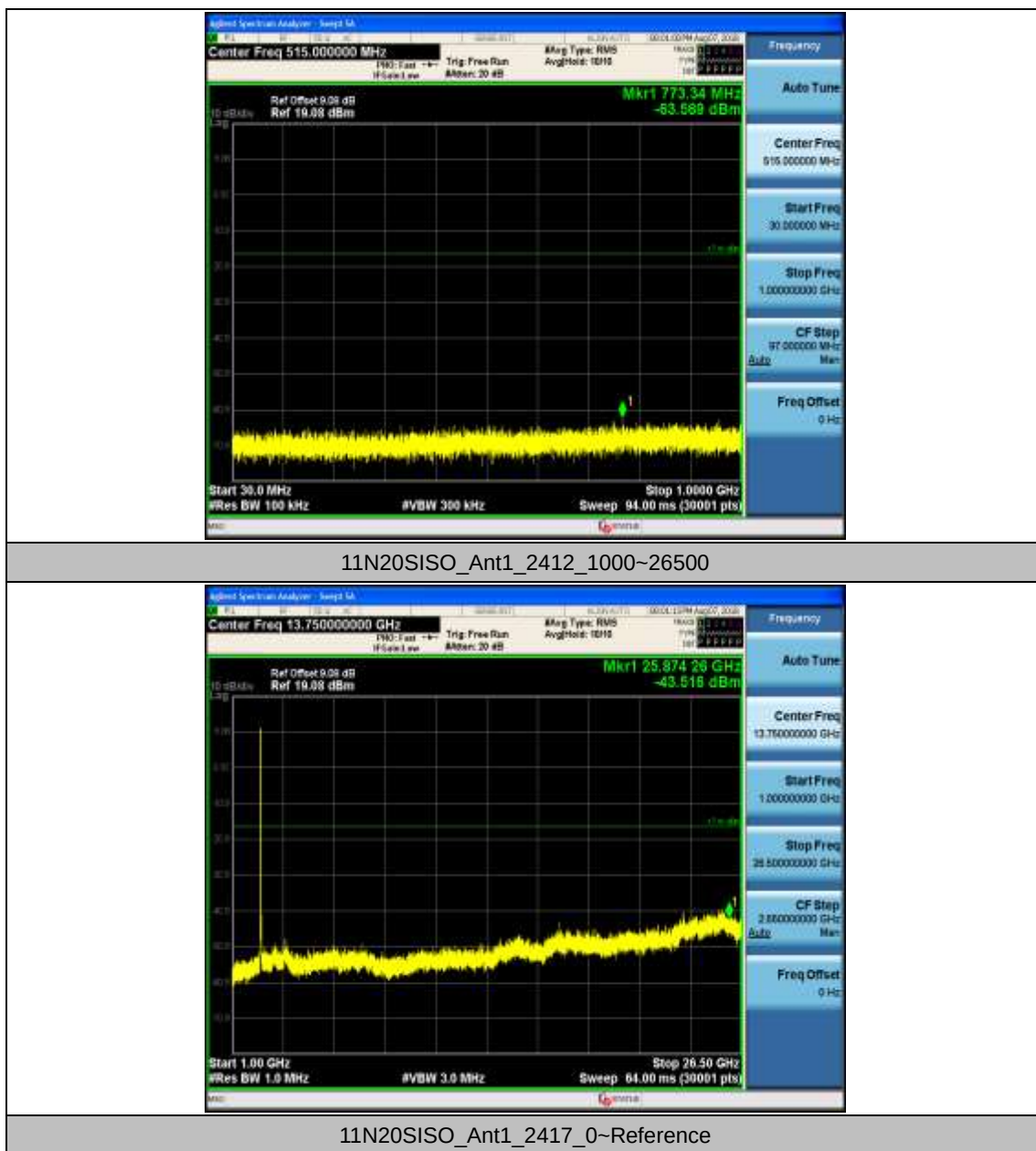


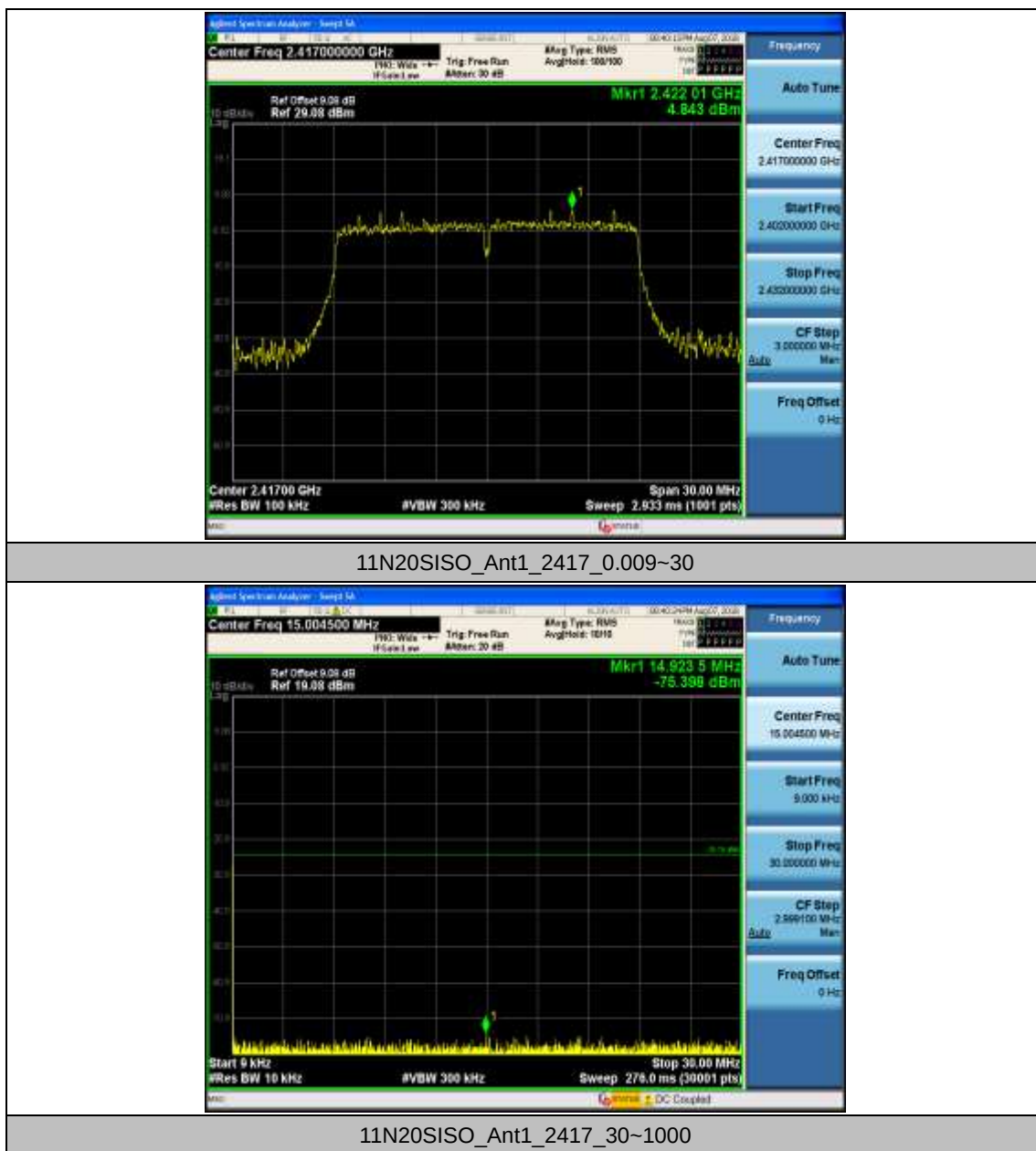


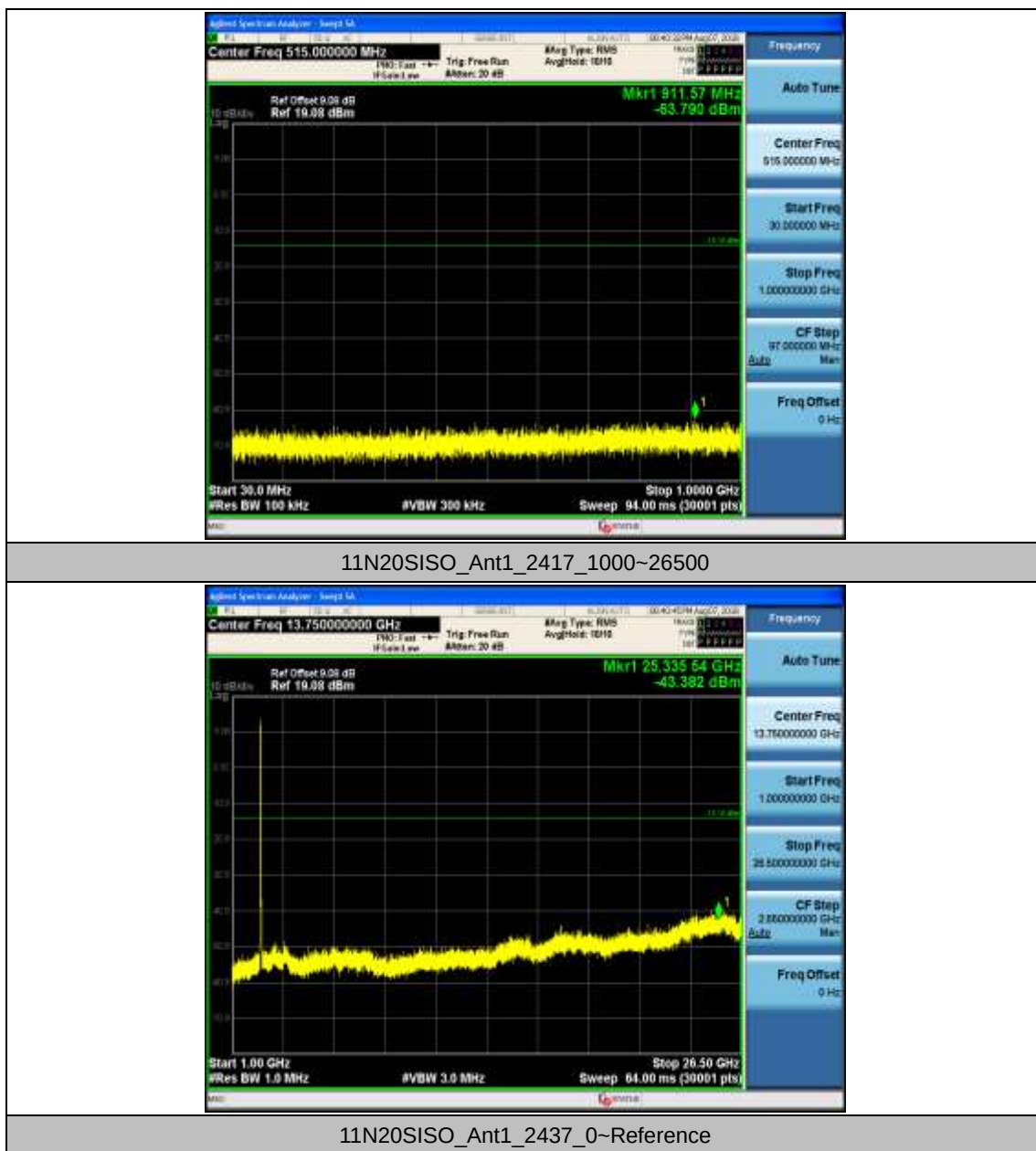


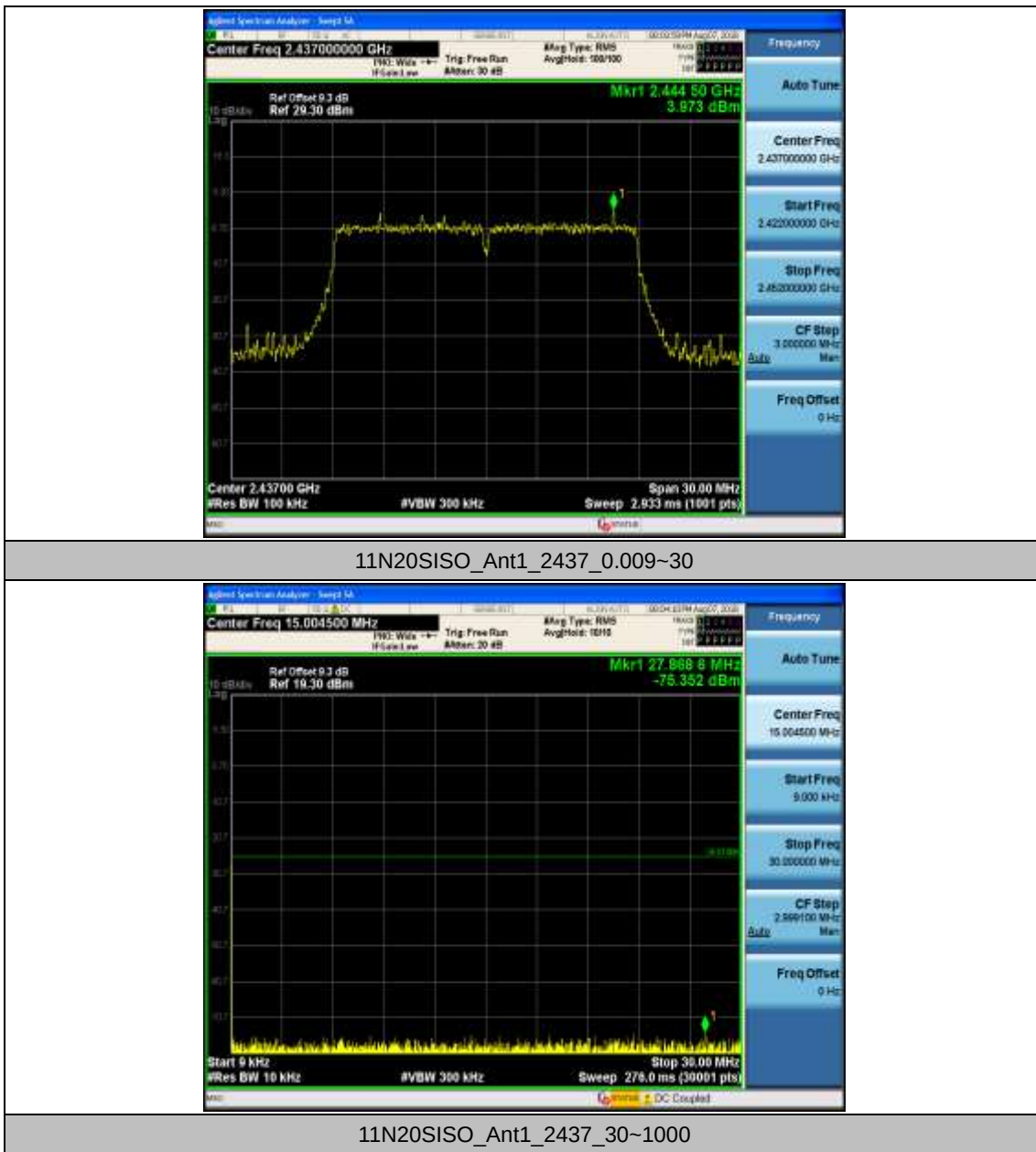


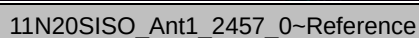
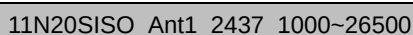


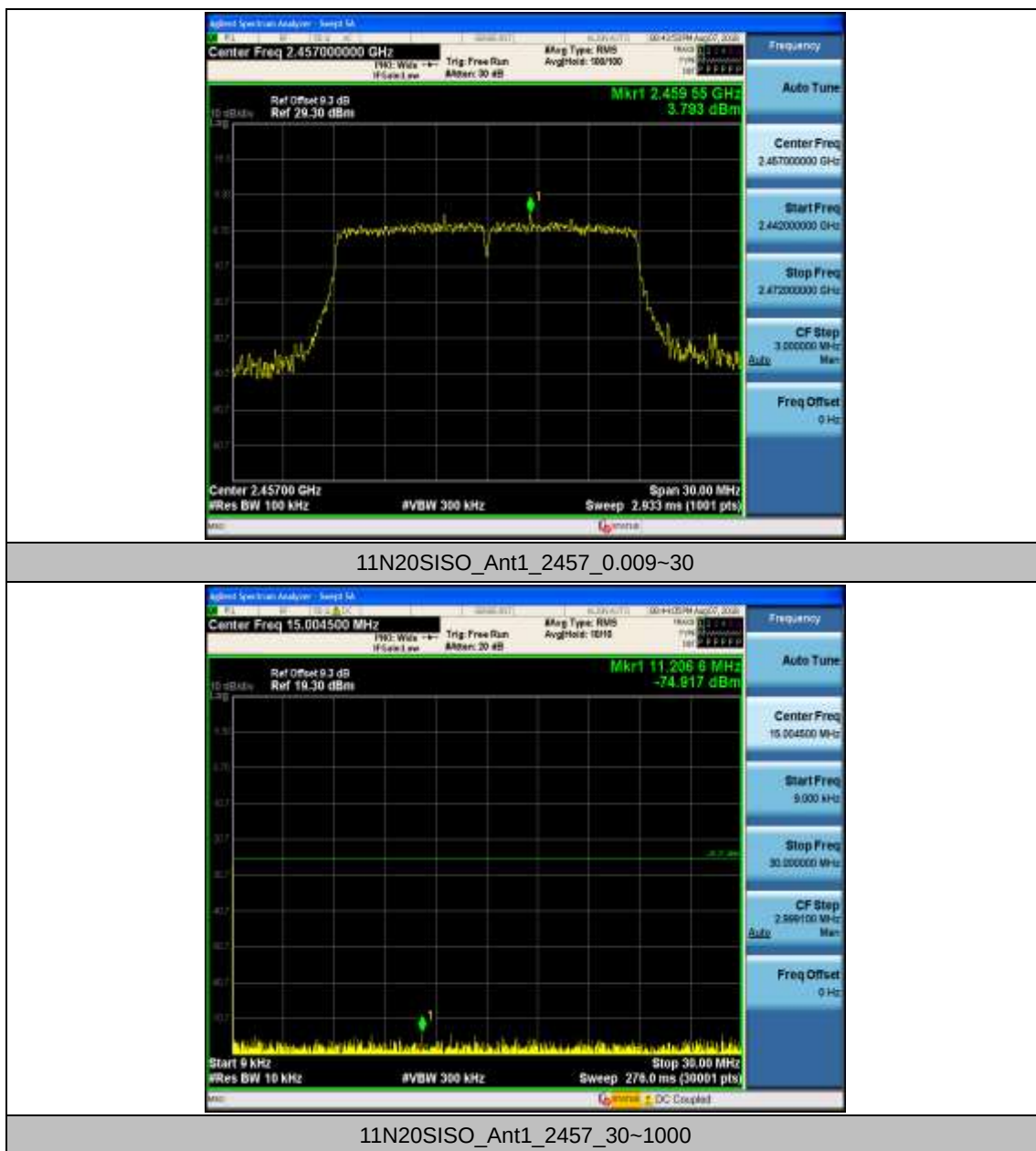


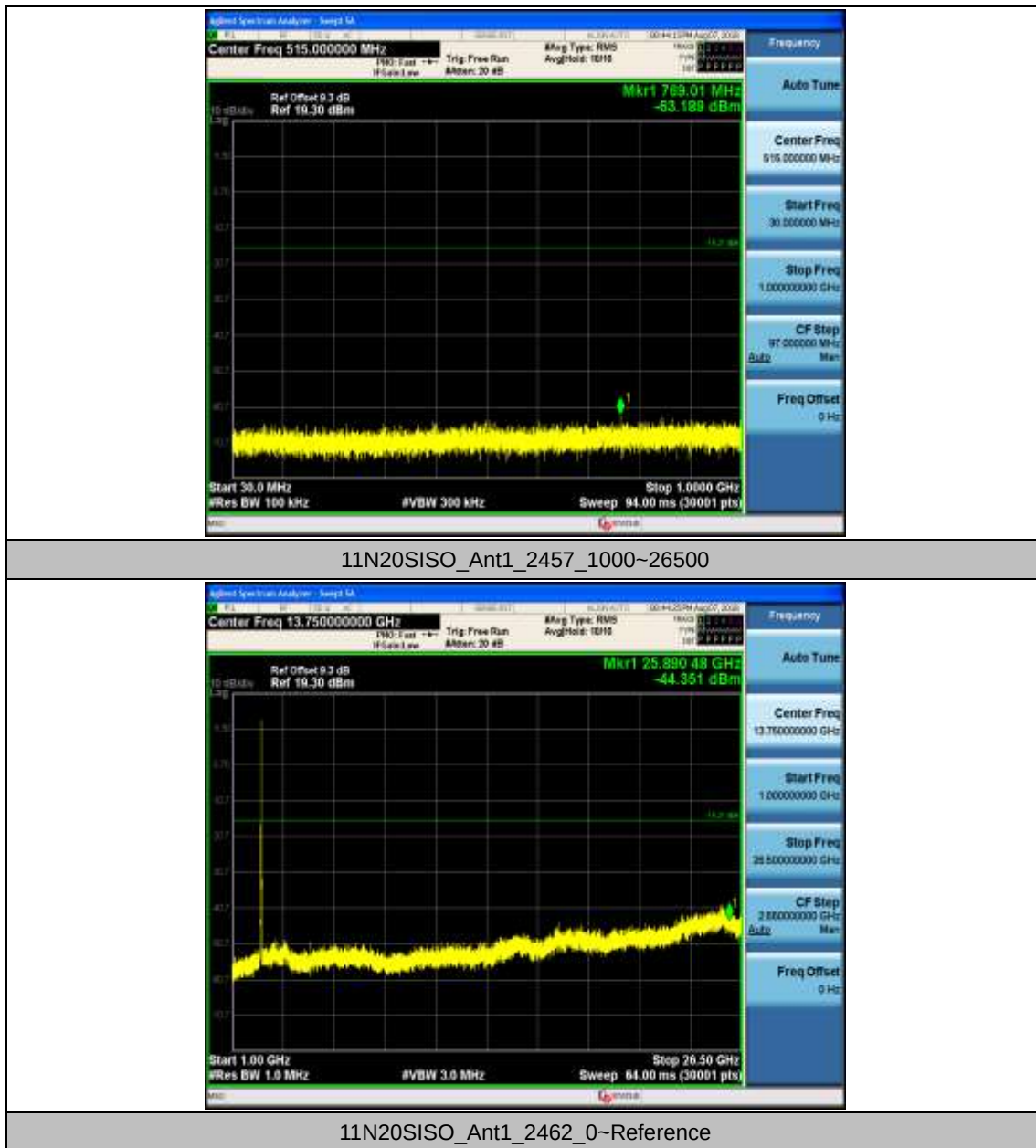


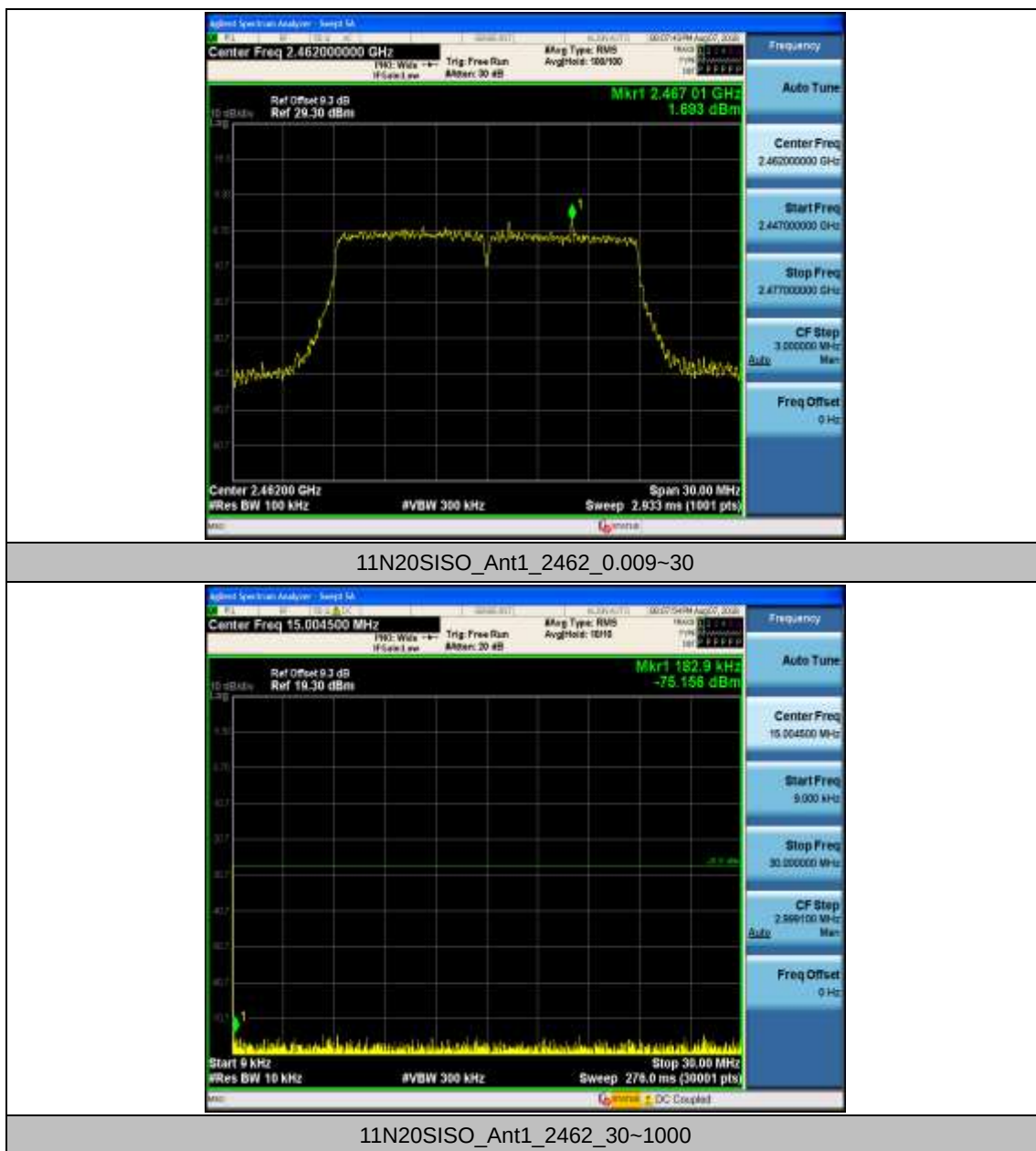


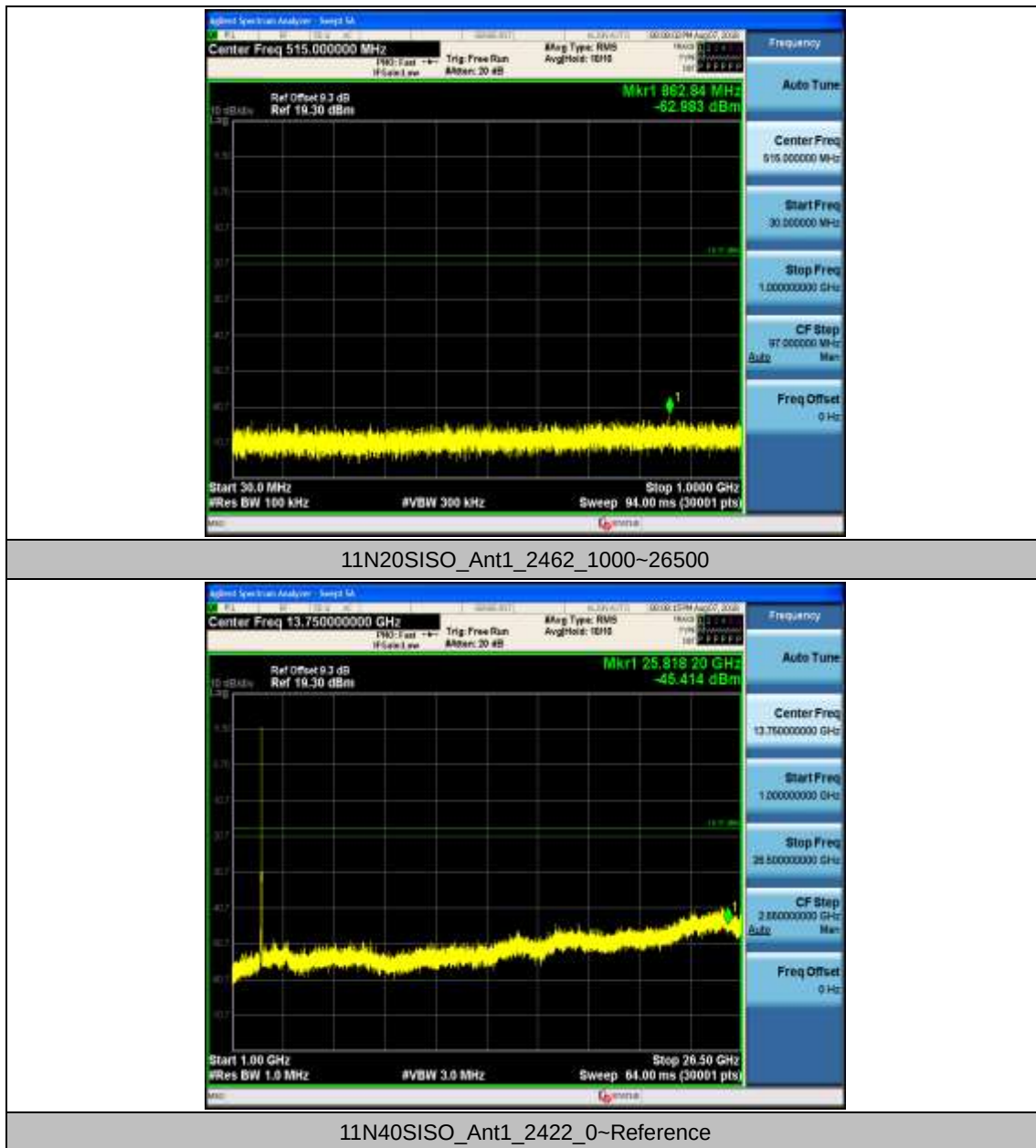


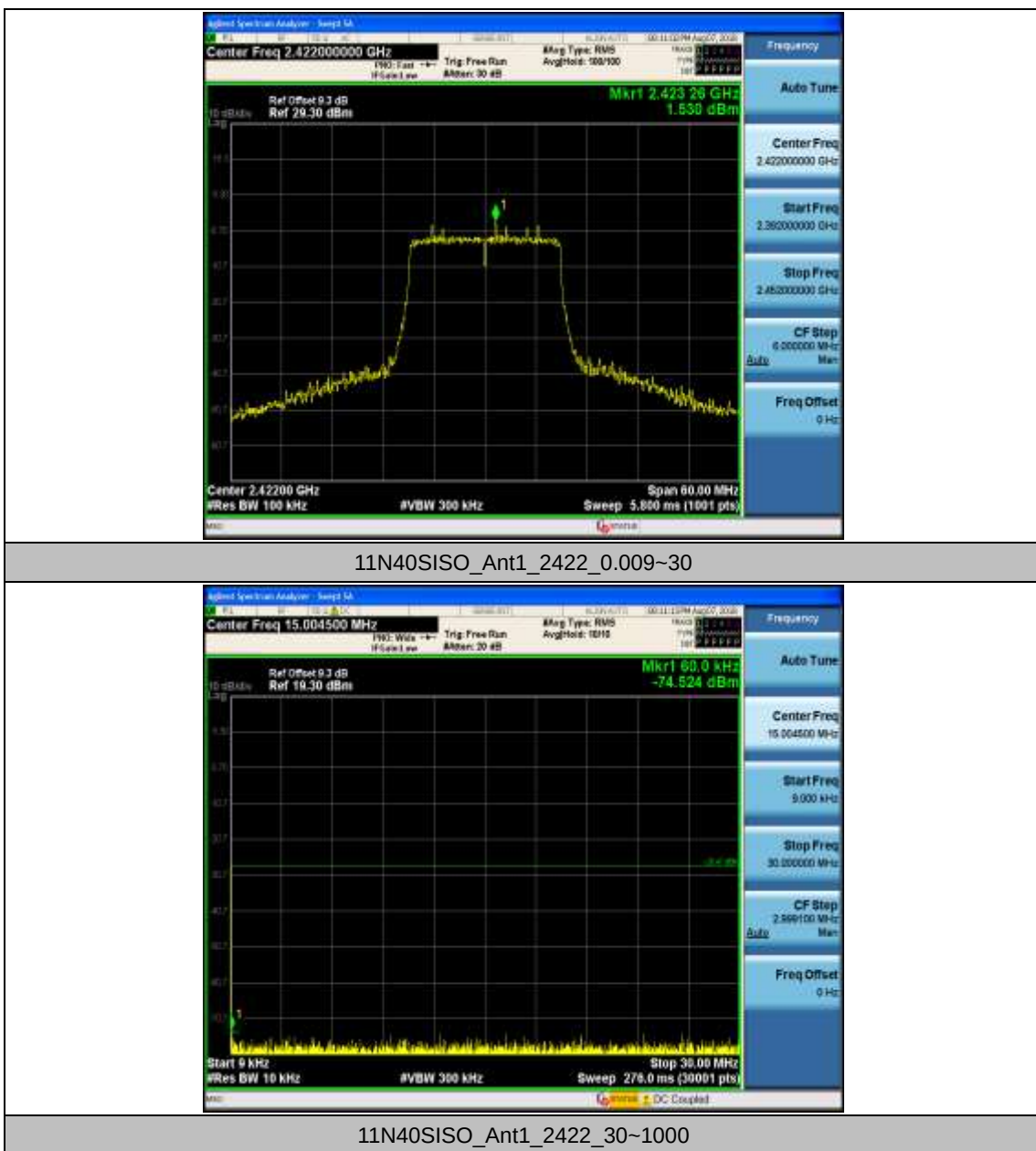


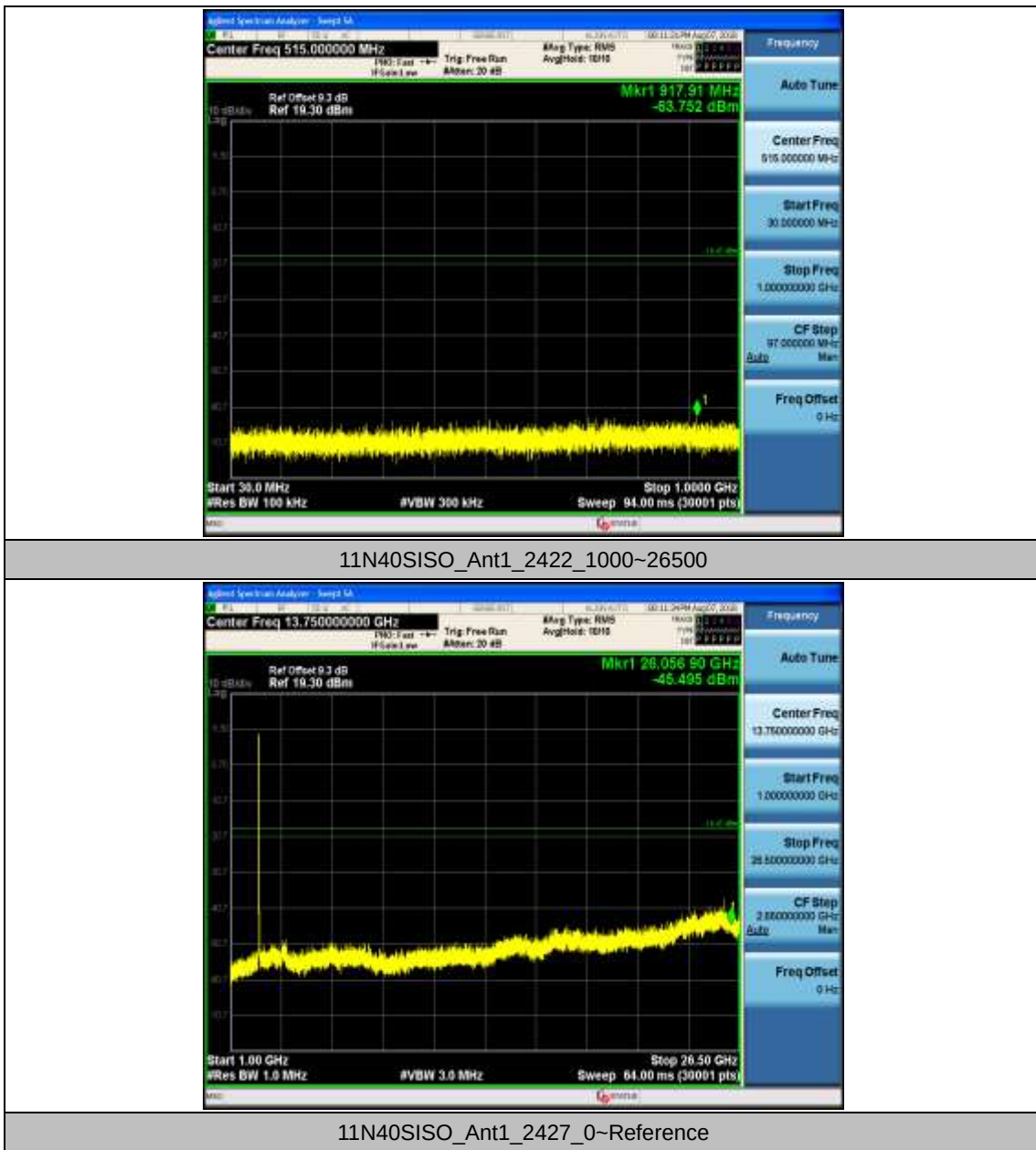


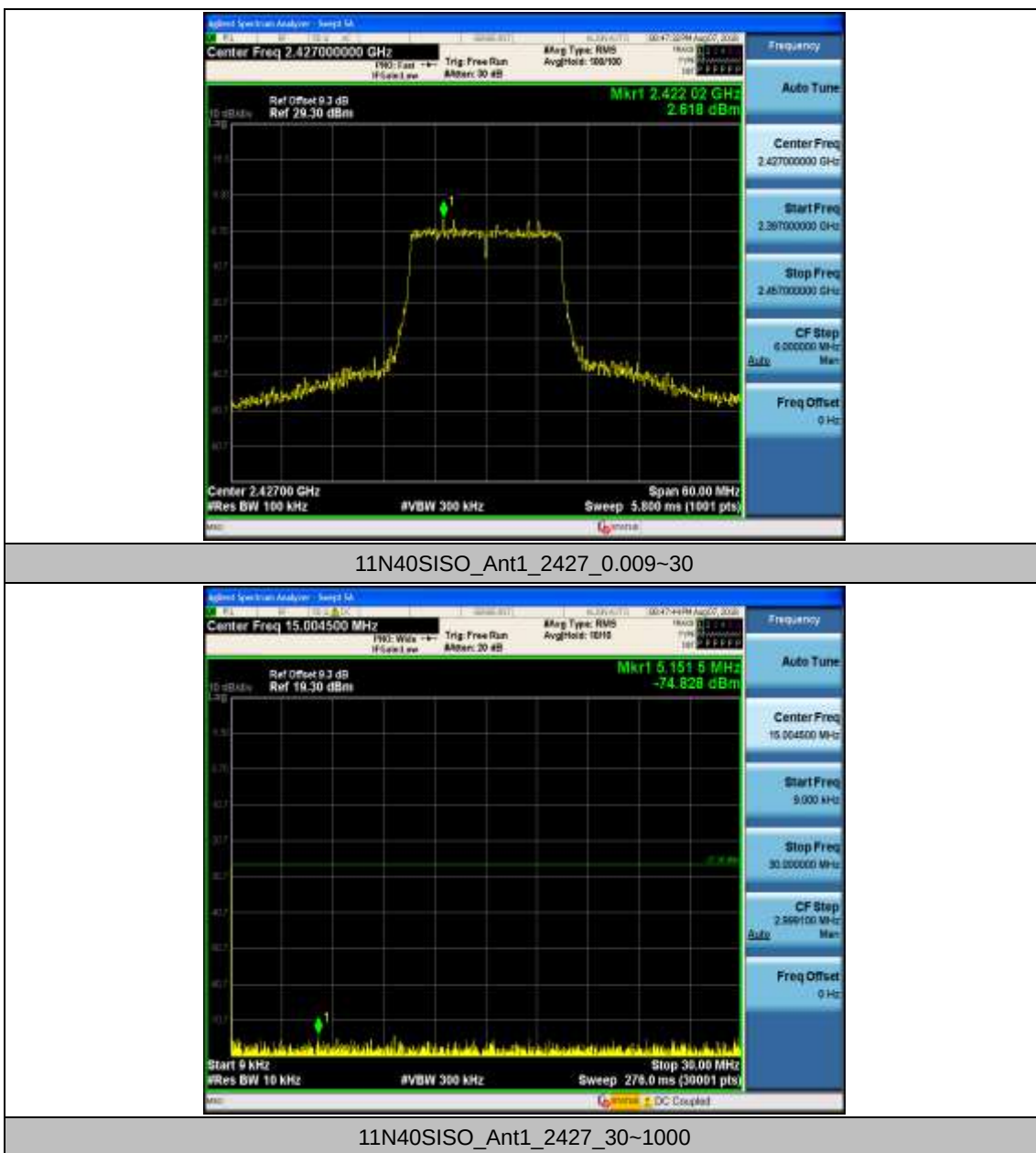


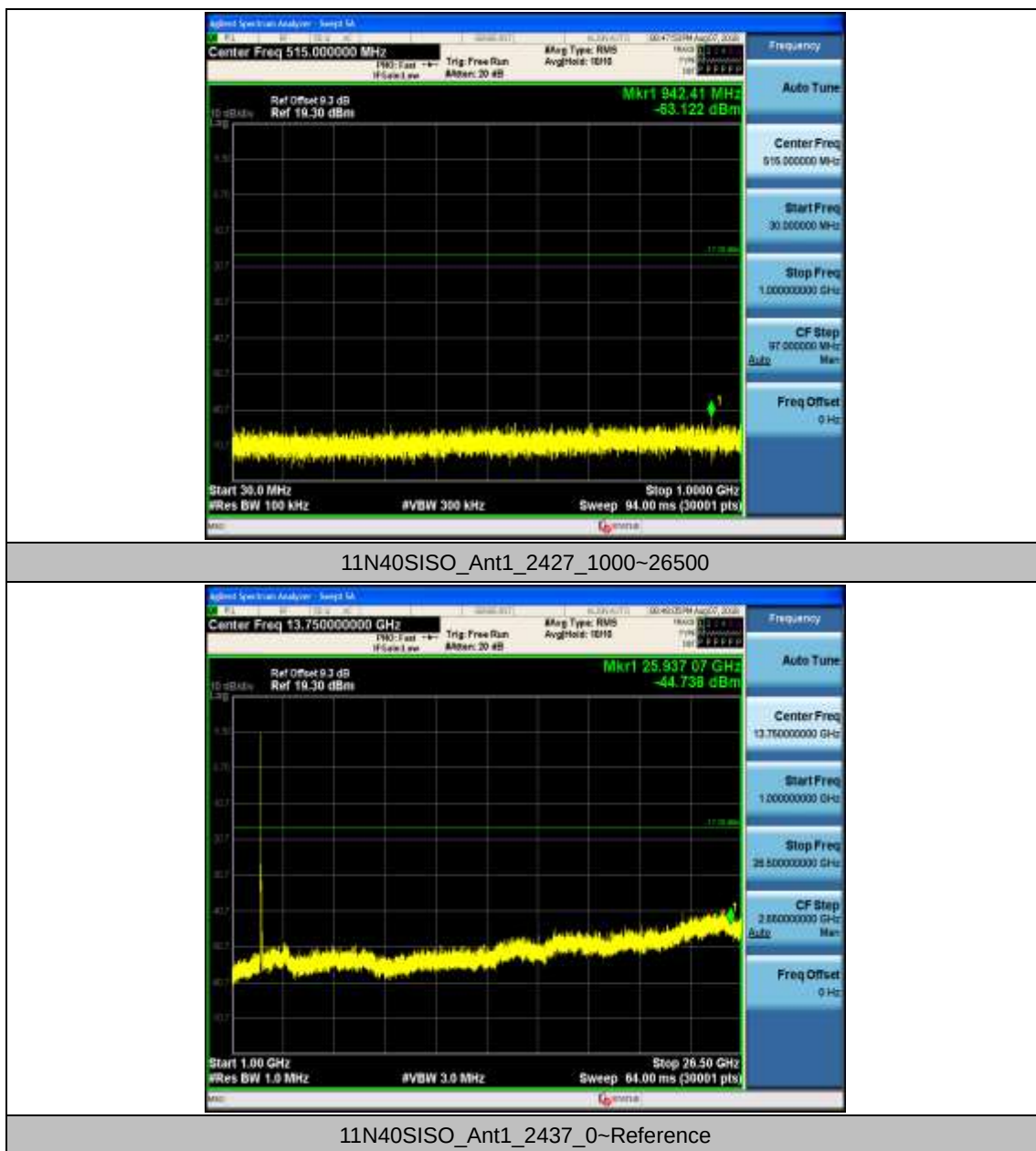


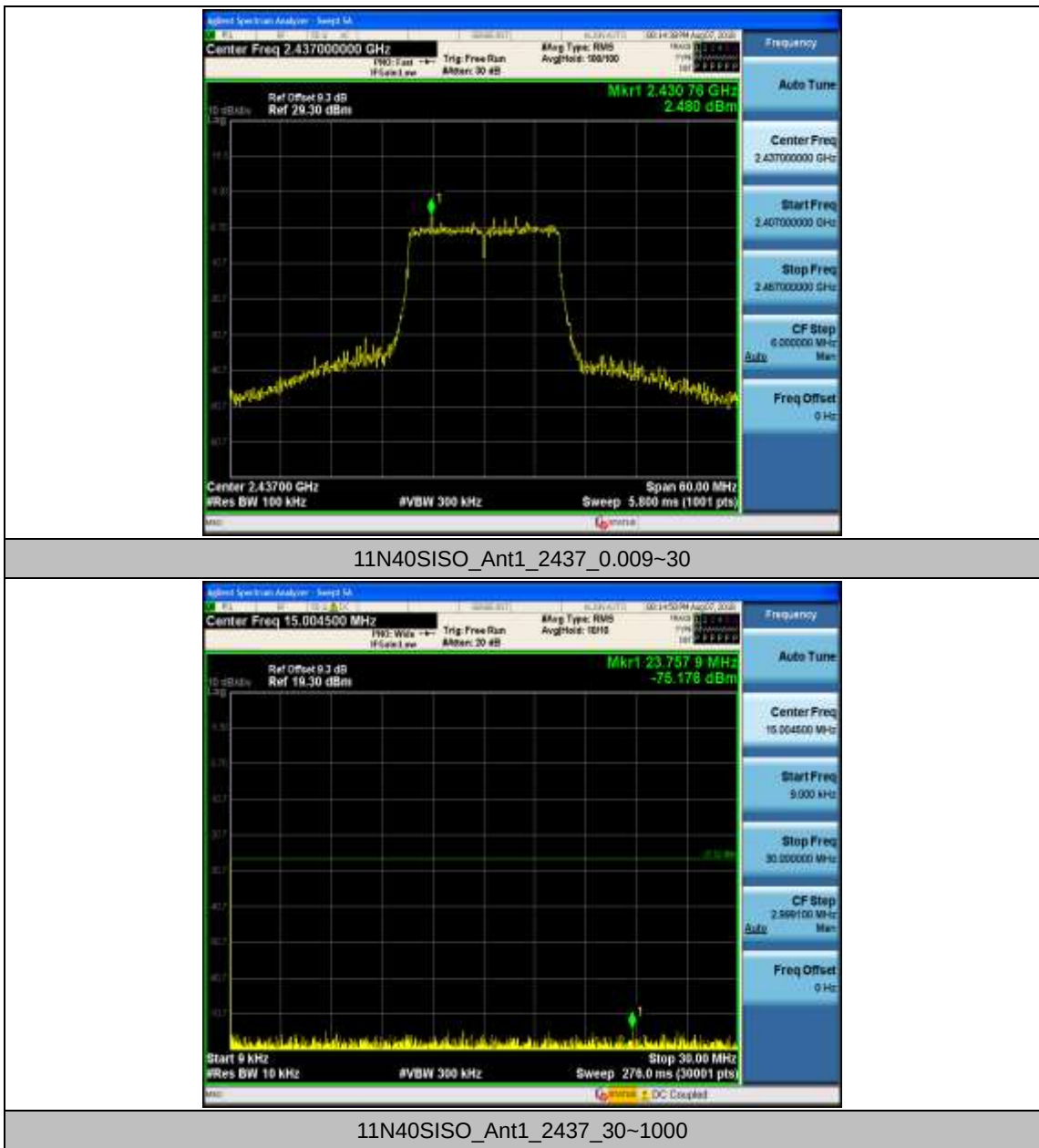


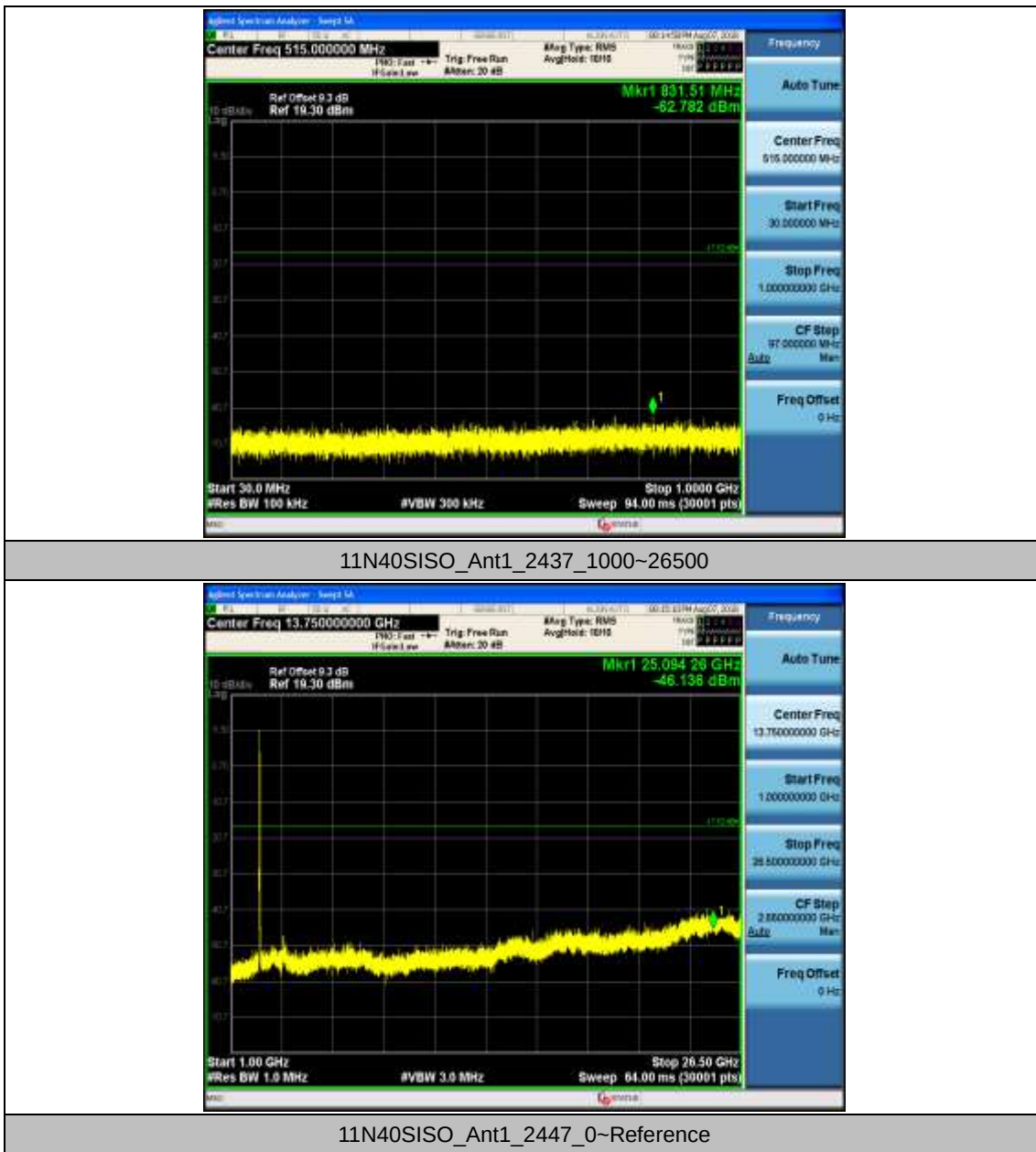


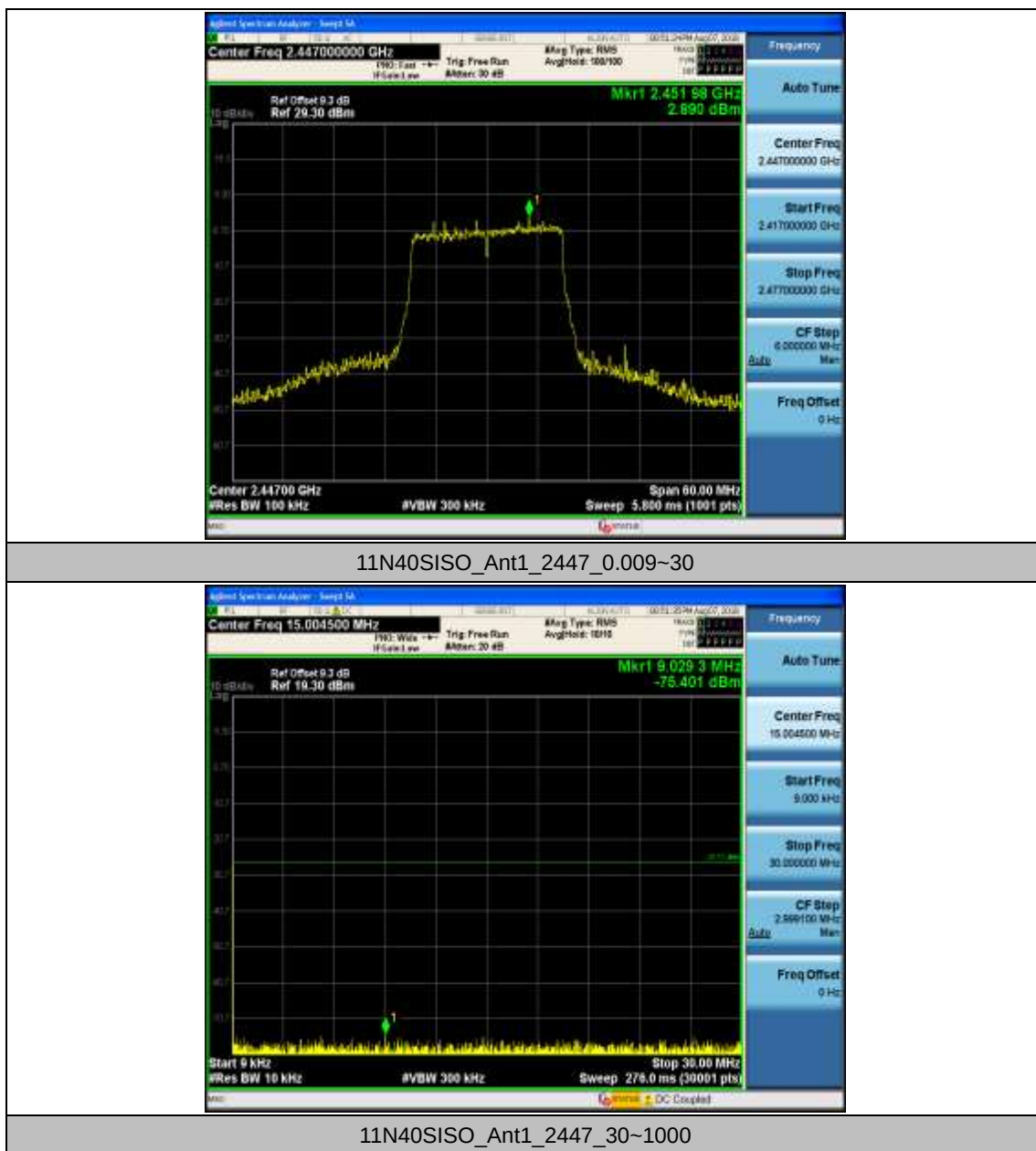


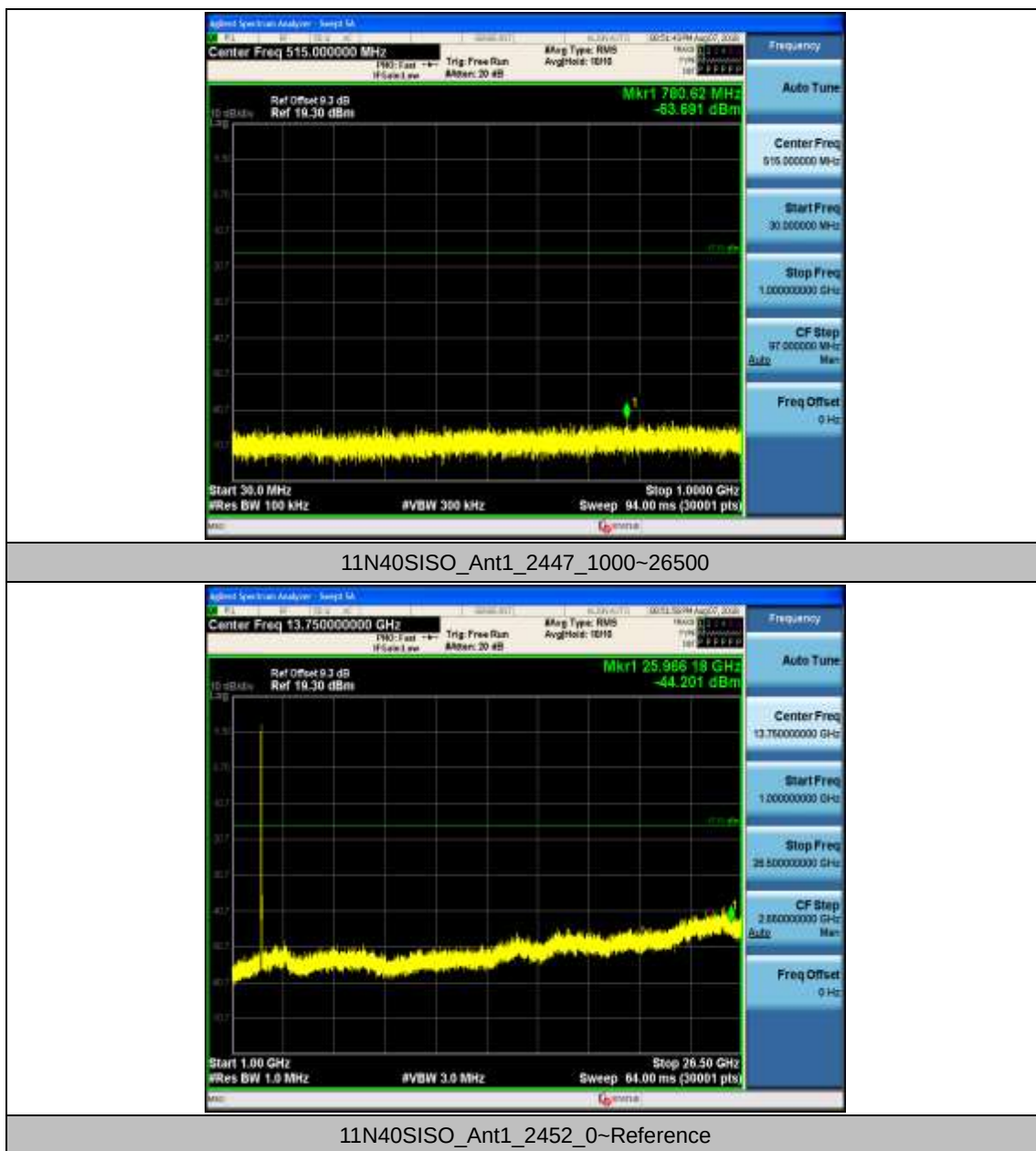


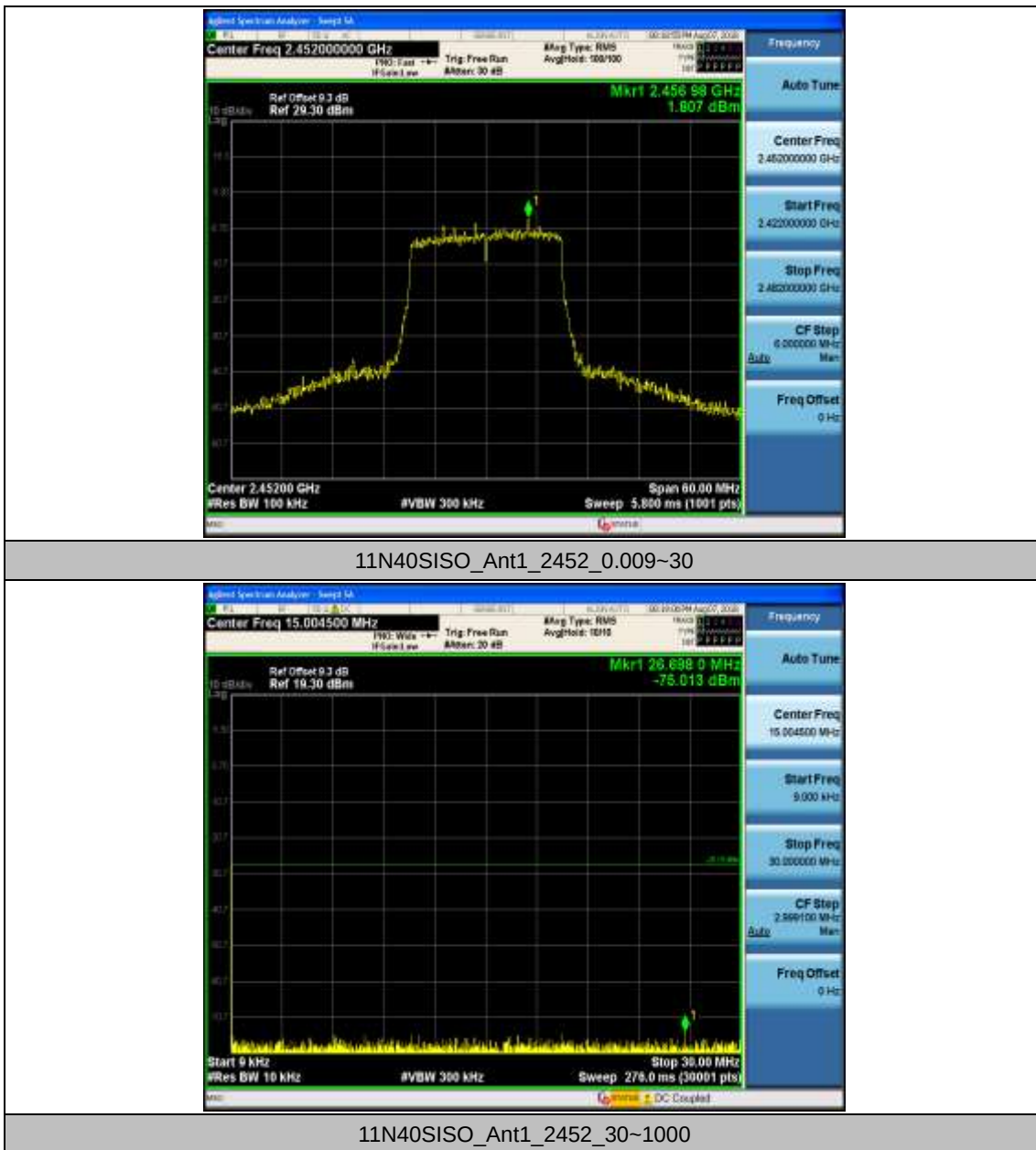


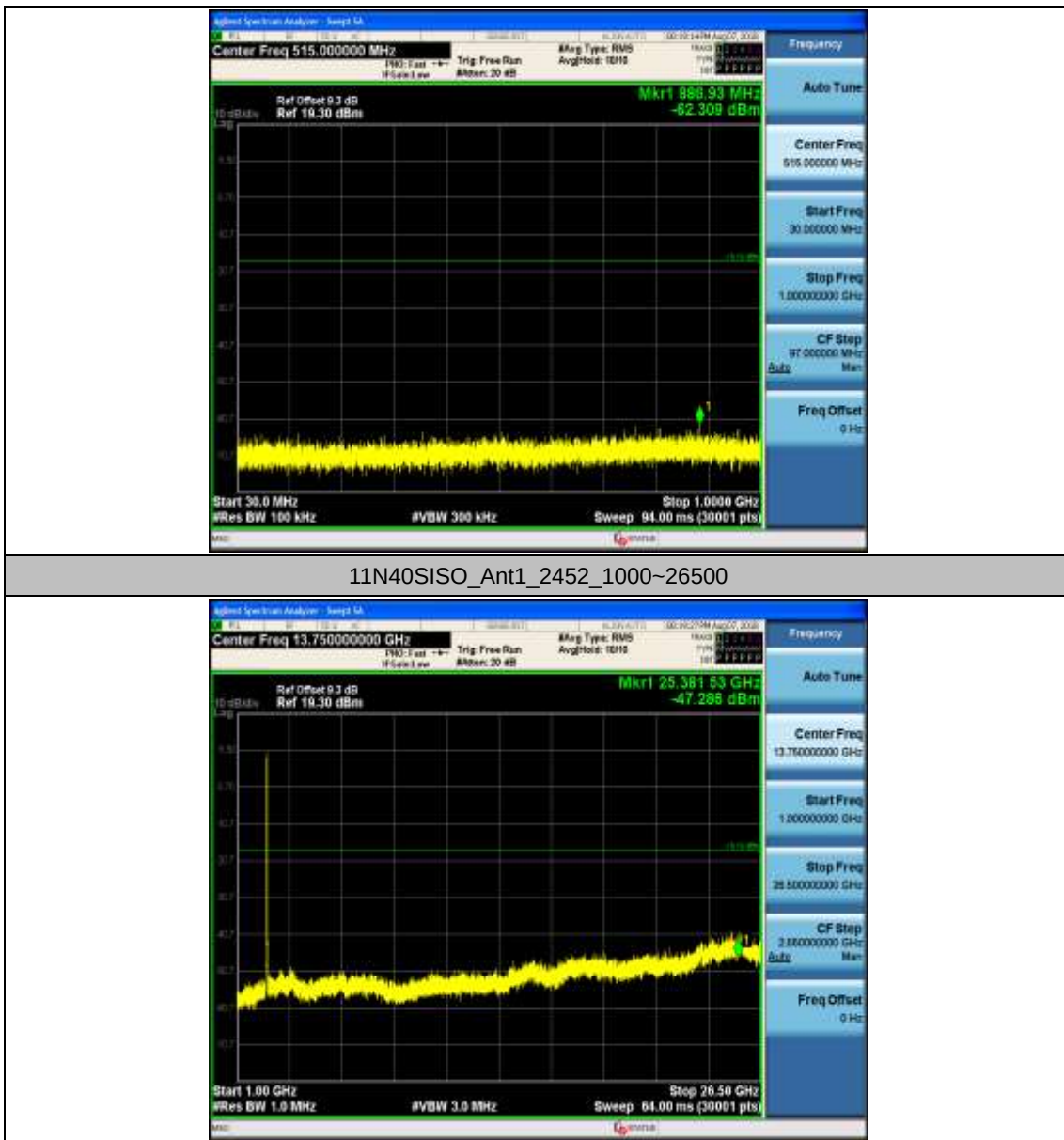














Appendix G: Duty Cycle

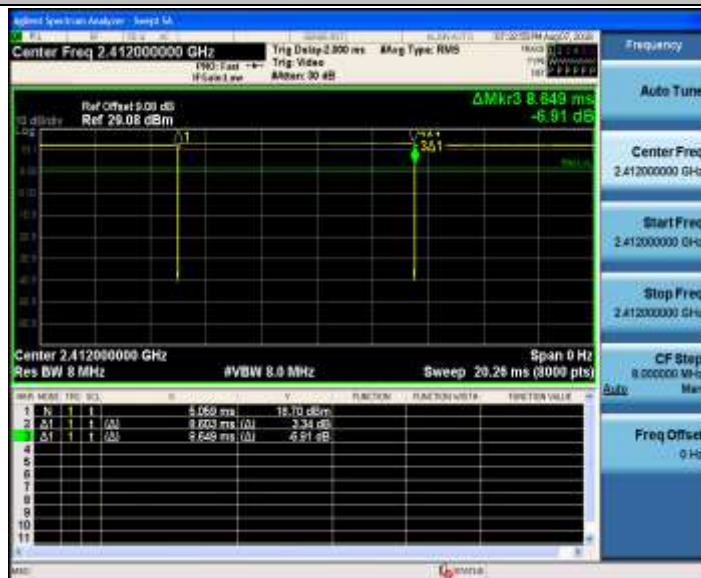
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.60	8.65	99.47
		2437	8.60	8.65	99.47
		2462	8.60	8.65	99.44
11G	Ant1	2412	2.06	2.11	97.66
		2417	2.06	2.11	97.72
		2437	2.06	2.11	97.66
		2457	2.06	2.11	97.72
		2462	2.06	2.11	97.66
11N20SISO	Ant1	2412	2.59	2.64	98.18
		2417	2.59	2.64	98.13
		2437	2.59	2.64	98.13
		2457	2.59	2.64	98.13
		2462	2.59	2.64	98.18
11N40SISO	Ant1	2422	2.59	2.64	98.18
		2427	2.59	2.64	98.18
		2437	2.59	2.64	98.13
		2447	2.59	2.64	98.13
		2452	2.59	2.64	98.13

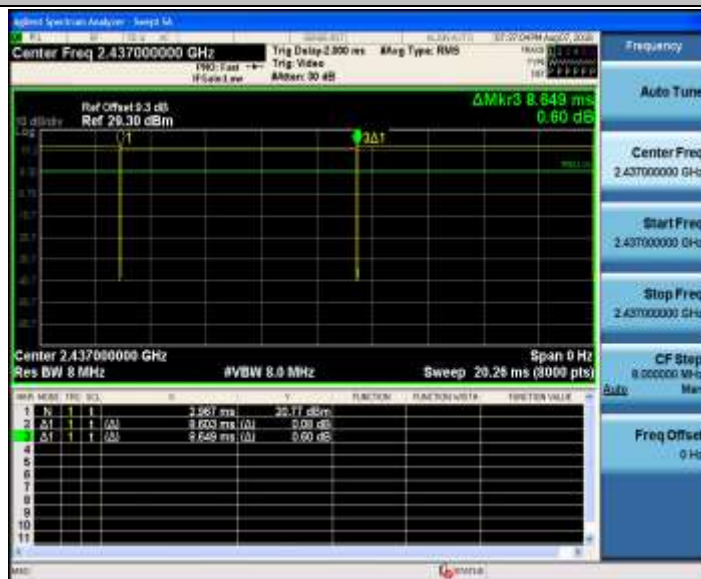


Test Graphs

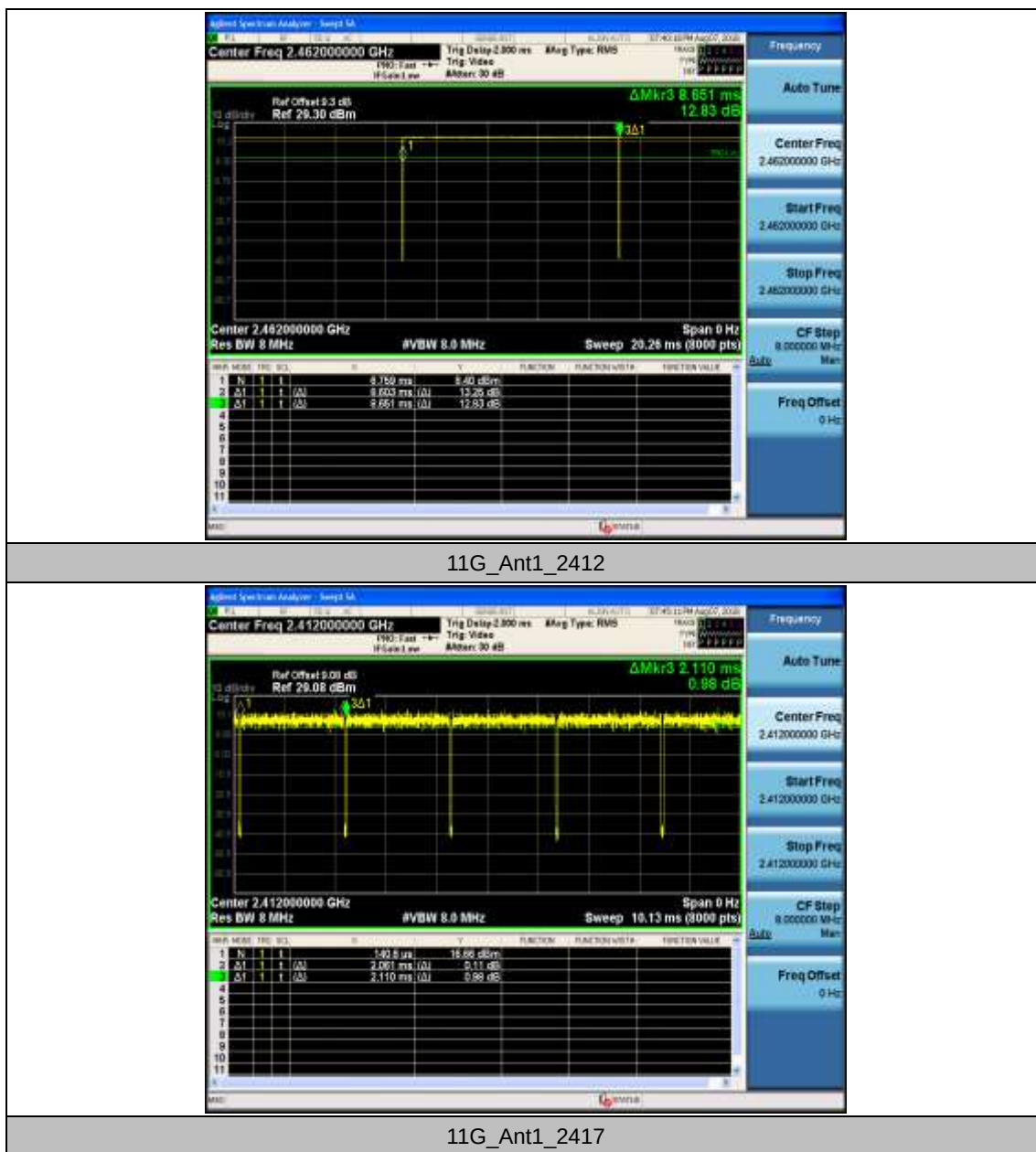
11B_Ant1_2412

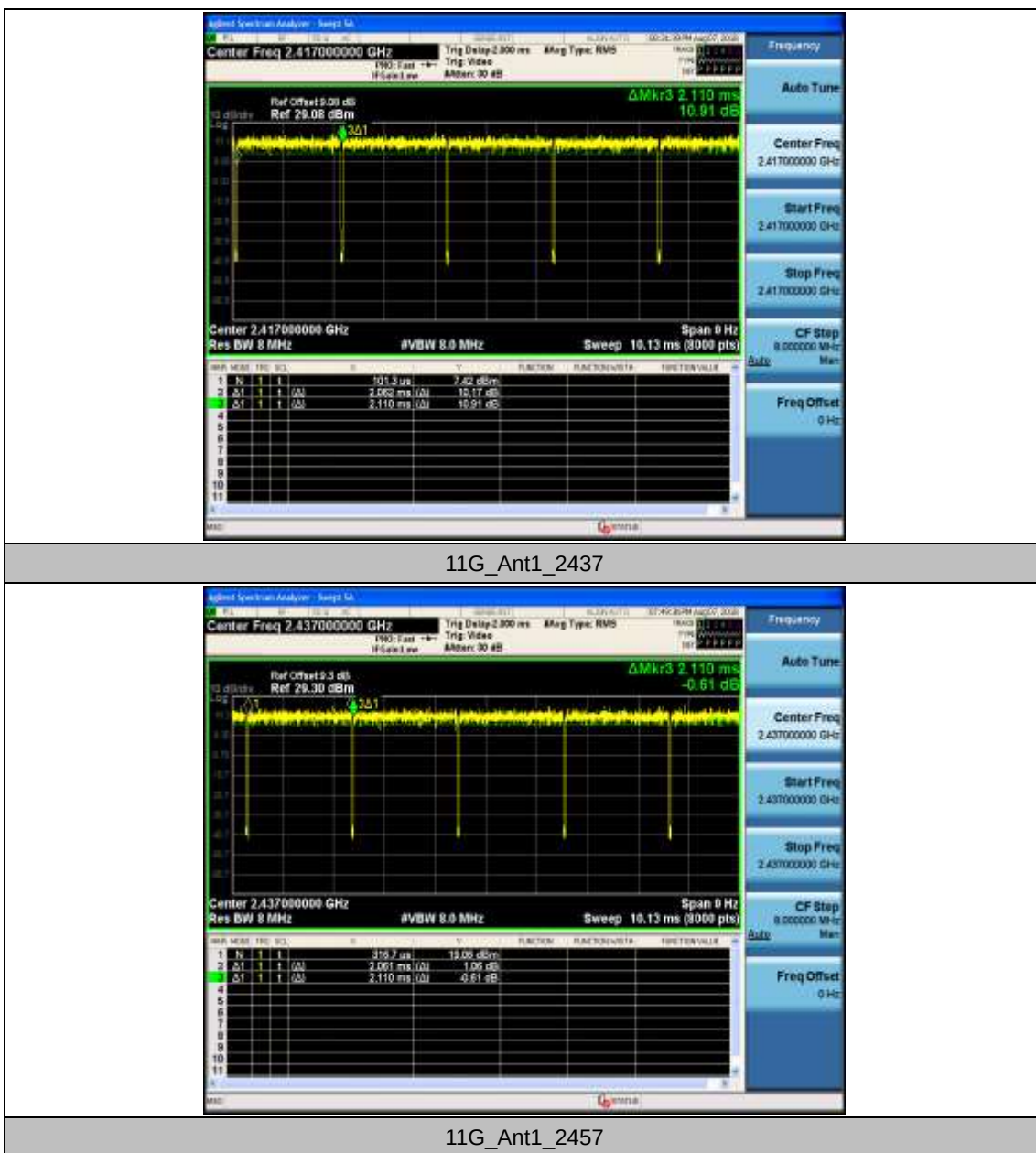


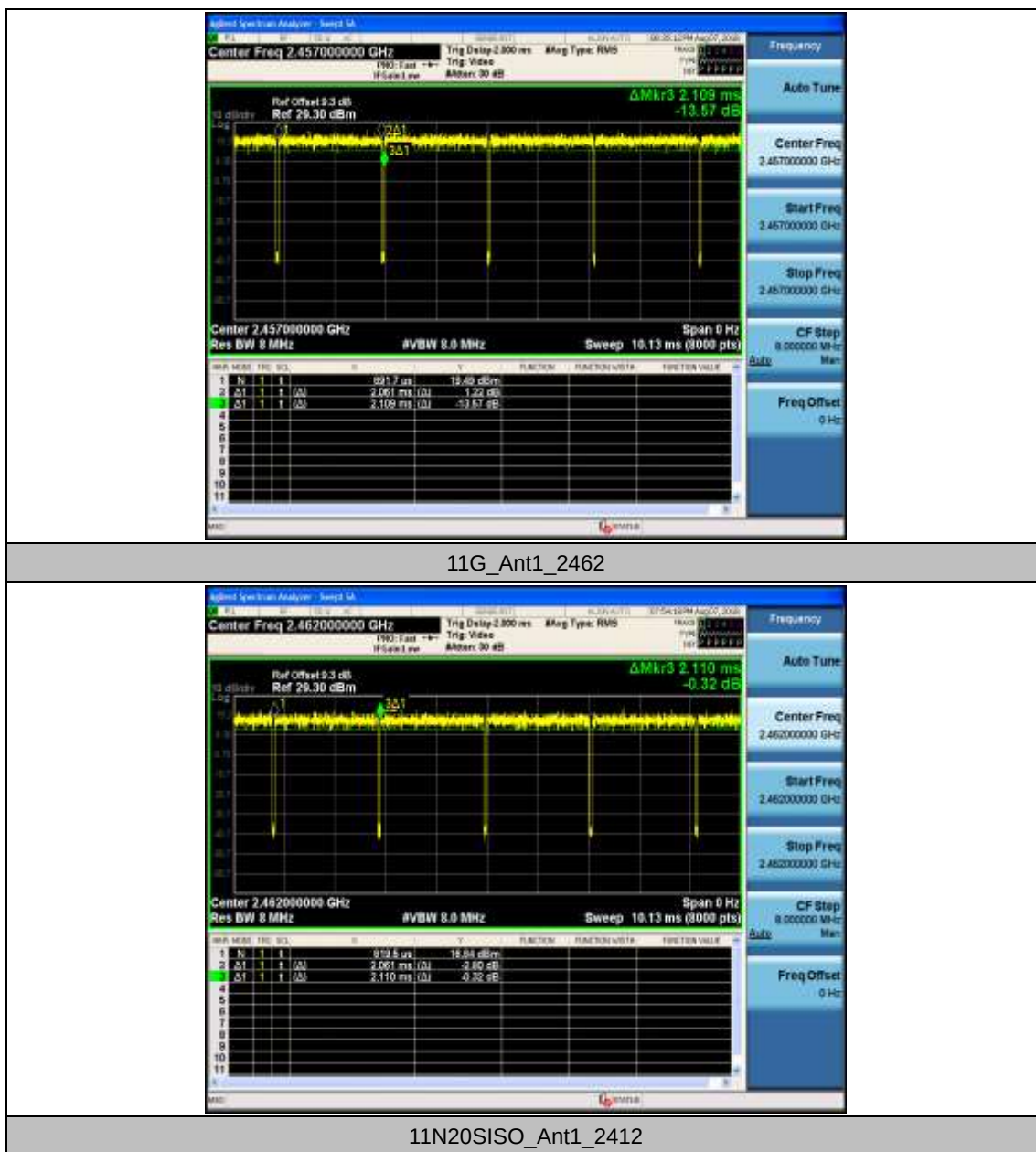
11B_Ant1_2437

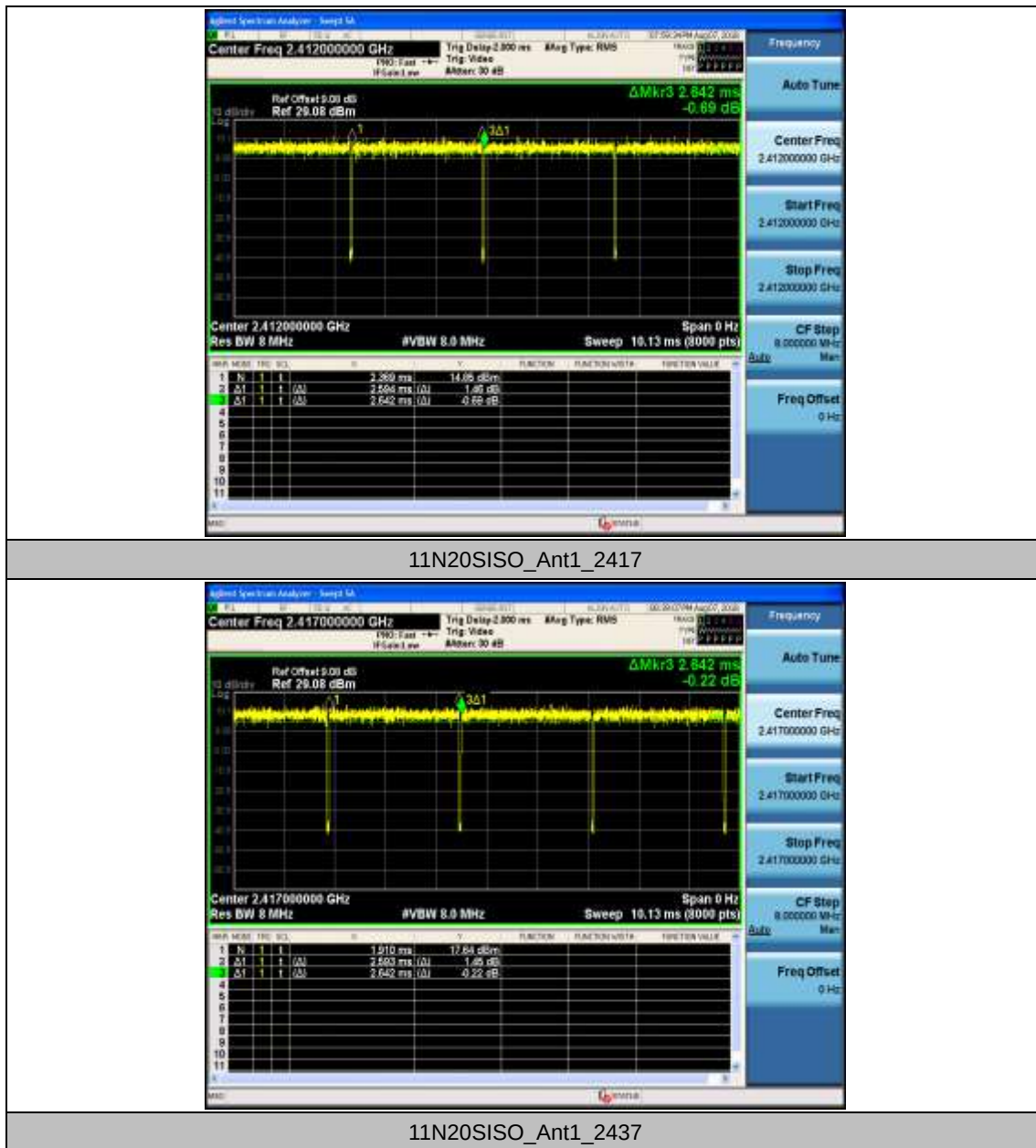


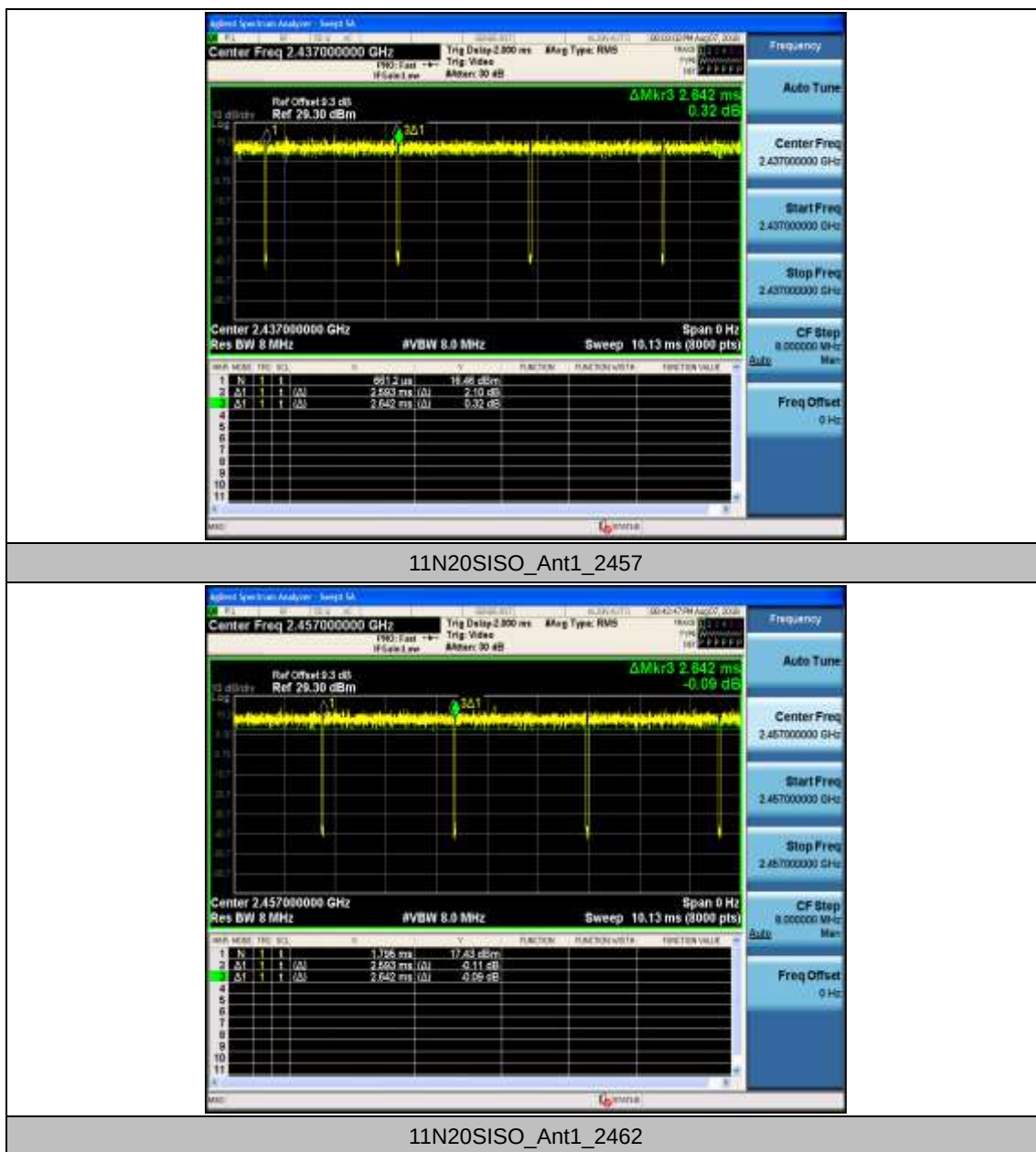
11B_Ant1_2462

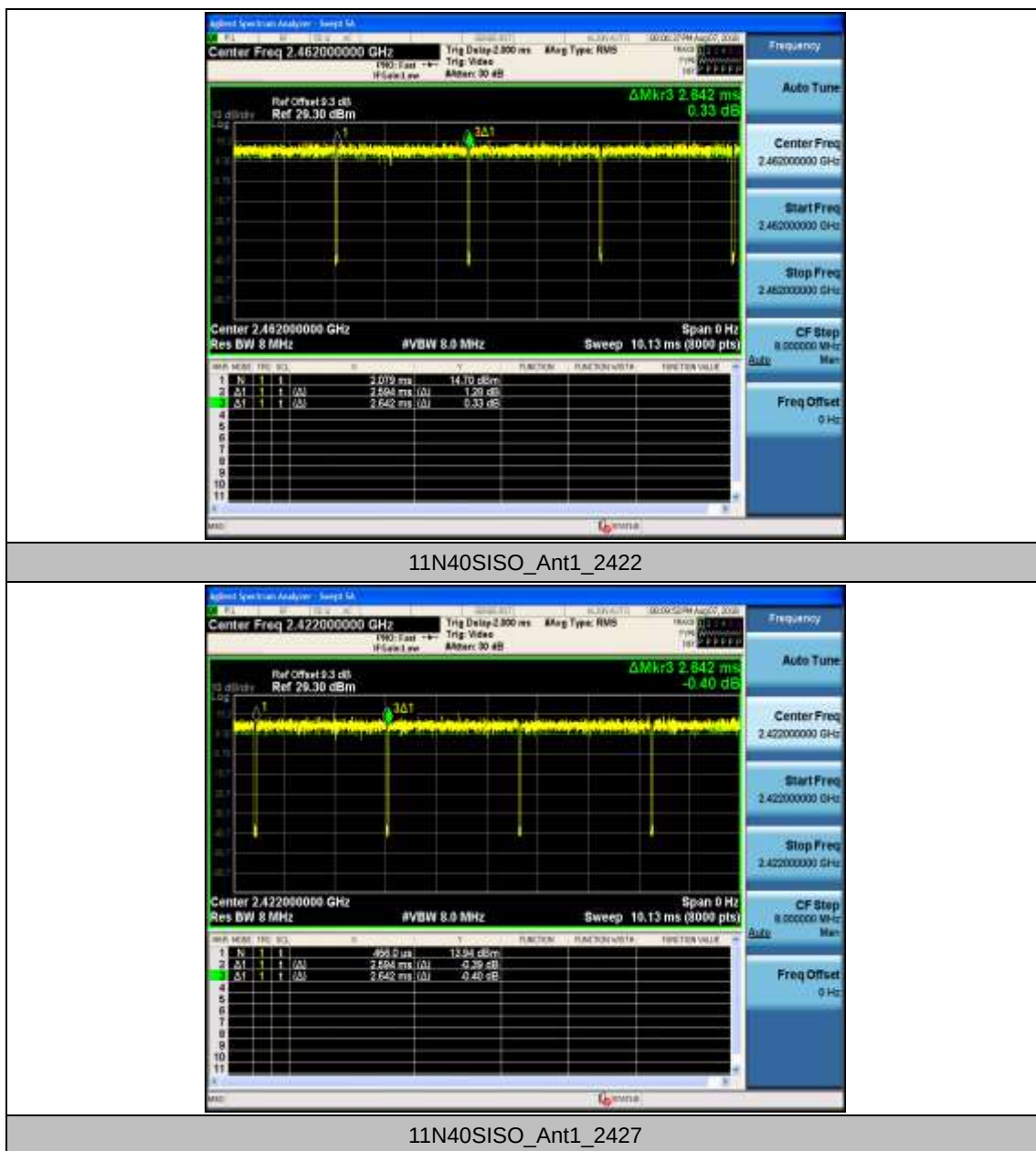






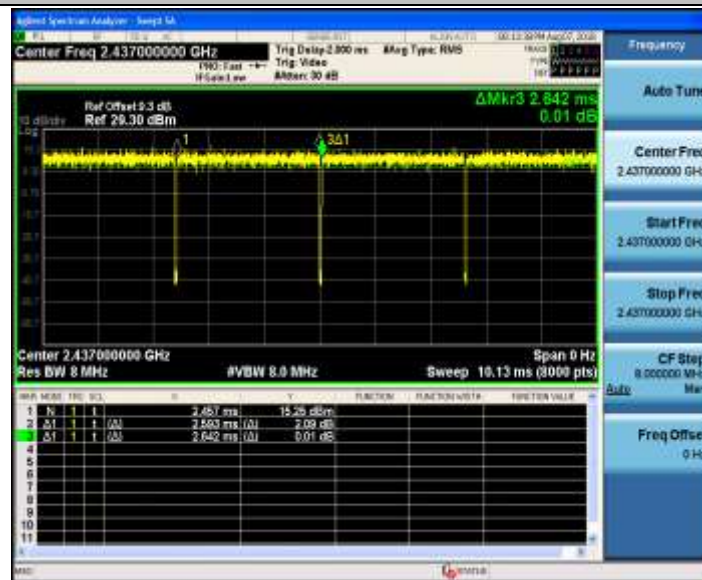








11N40SISO_Ant1_2437



11N40SISO_Ant1_2447

