

Appendix A: DTS Bandwidth

Test Result

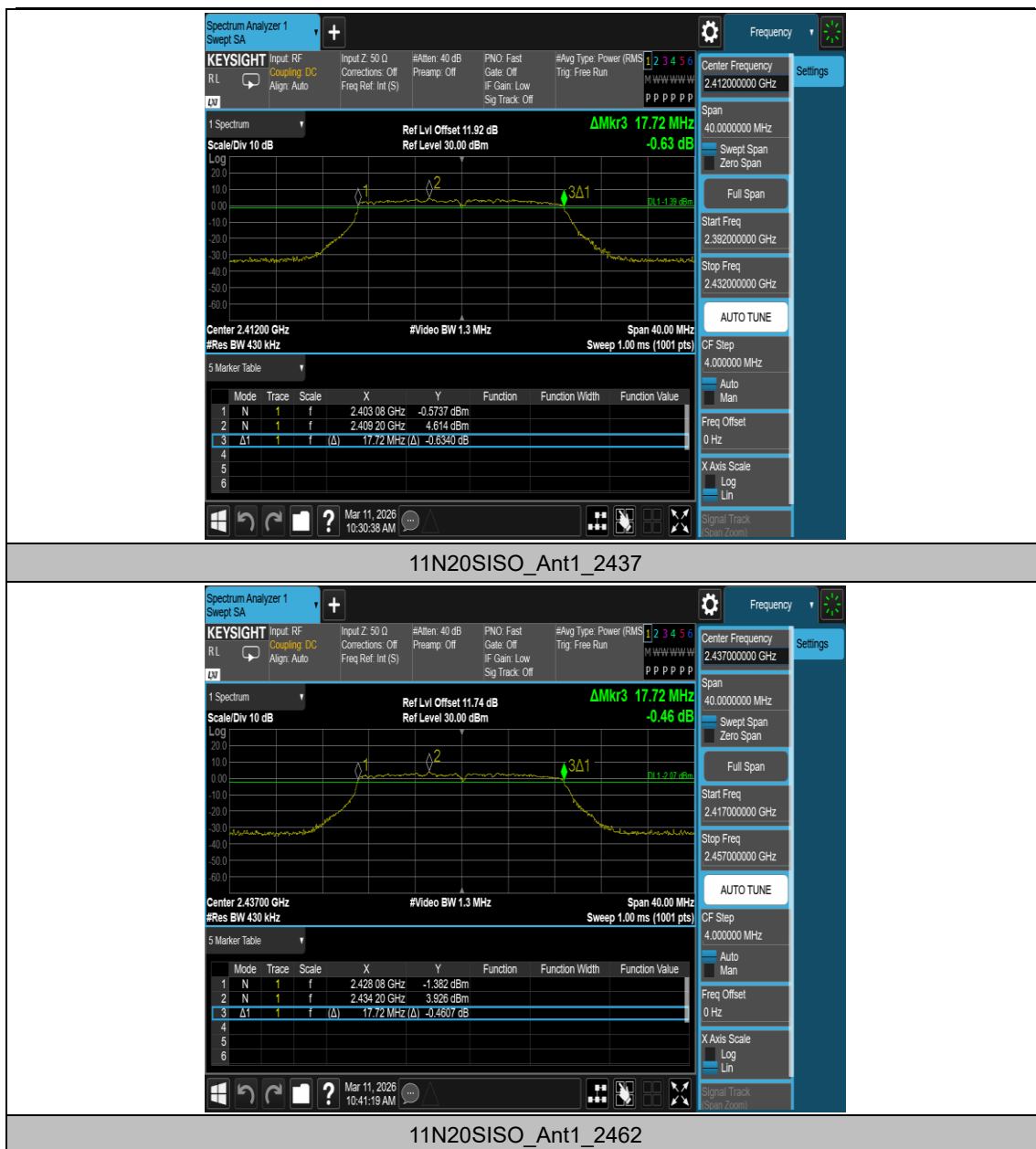
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	0.5	PASS
		2437	10.160	2431.920	2442.080	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.680	2404.200	2419.880	0.5	PASS
		2437	15.880	2429.040	2444.920	0.5	PASS
		2462	15.840	2454.080	2469.920	0.5	PASS
11N20SI SO	Ant1	2412	17.720	2403.080	2420.800	0.5	PASS
		2437	17.720	2428.080	2445.800	0.5	PASS
		2462	17.720	2453.080	2470.800	0.5	PASS
11N40SI SO	Ant1	2422	34.080	2405.040	2439.120	0.5	PASS
		2437	33.920	2420.200	2454.120	0.5	PASS
		2452	34.080	2435.040	2469.120	0.5	PASS

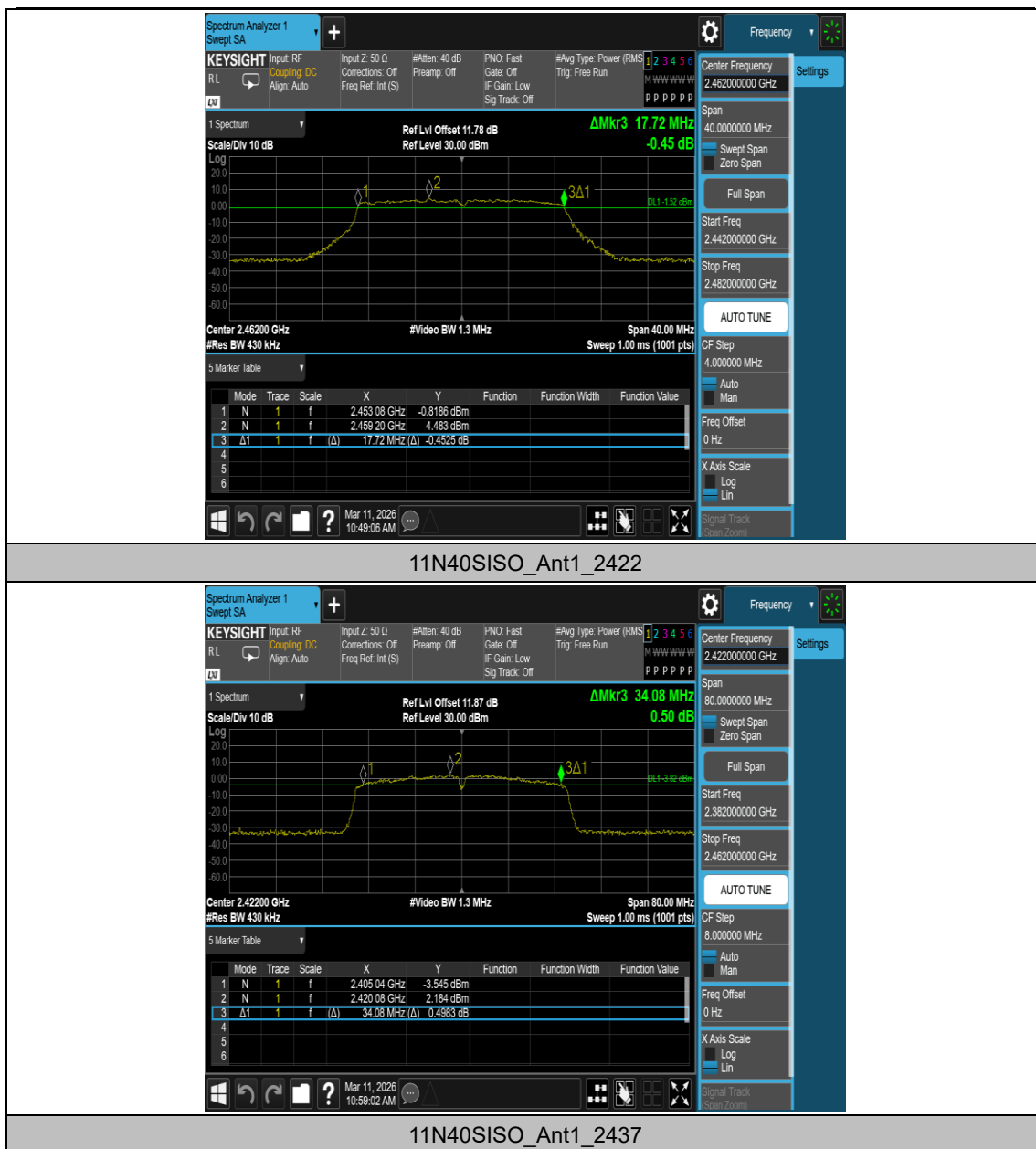
Test Graphs

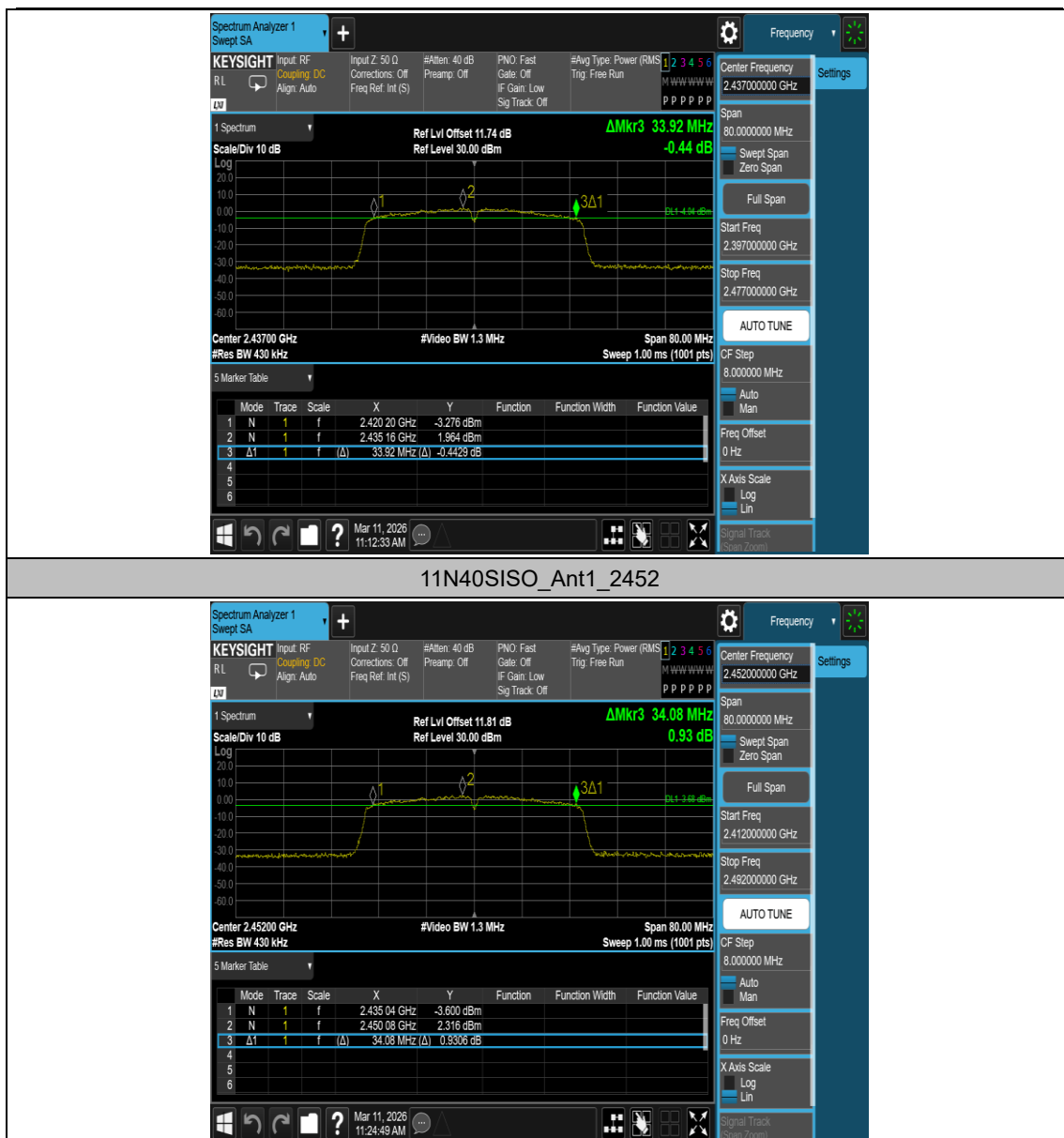












Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.200	2404.8919	2419.0919	---	---
		2437	14.242	2429.8646	2444.1066	---	---
		2462	14.241	2454.8916	2469.1326	---	---
11G	Ant1	2412	16.578	2403.7320	2420.3100	---	---
		2437	16.556	2428.7433	2445.2993	---	---
		2462	16.571	2453.7444	2470.3154	---	---
11N20SIS O	Ant1	2412	17.949	2403.0544	2421.0034	---	---
		2437	17.942	2428.0599	2446.0019	---	---
		2462	17.955	2453.0757	2471.0307	---	---
11N40SIS O	Ant1	2422	35.496	2404.2178	2439.7138	---	---
		2437	35.518	2419.1945	2454.7125	---	---
		2452	35.537	2434.2107	2469.7477	---	---

Test Graphs













Appendix C: Maximum conducted output power

Test Result Average

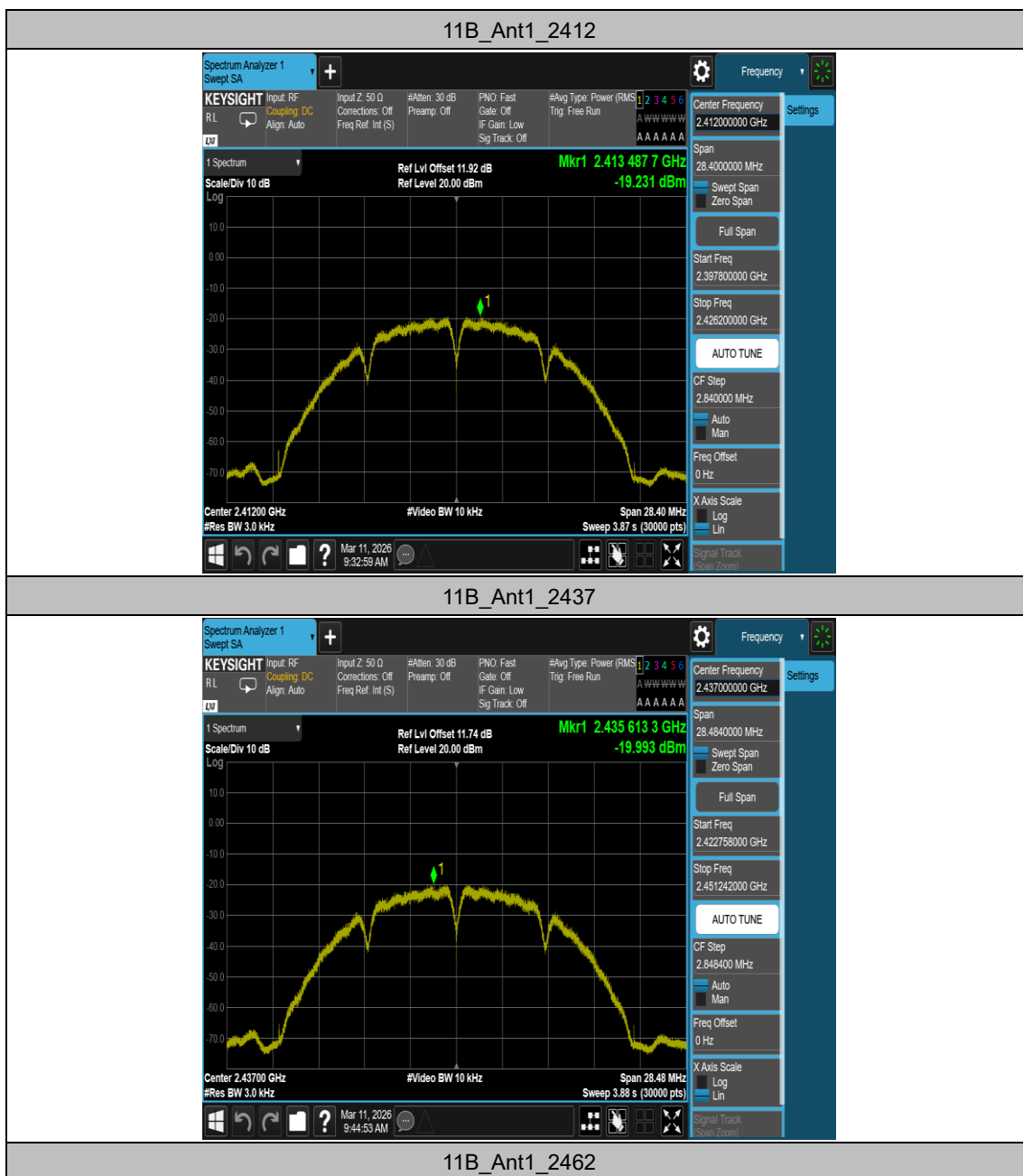
Test Mode	Antenna	Frequency [MHz]	Conducted Power	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	11.97	100	0.00	11.97	≤30.00	2.09	14.06	≤36.00	PASS
		2437	11.03	100	0.00	11.03	≤30.00	2.09	13.12	≤36.00	PASS
		2462	11.52	100	0.00	11.52	≤30.00	2.09	13.61	≤36.00	PASS
11G	Ant1	2412	11.45	80.24	0.96	12.41	≤30.00	2.09	14.50	≤36.00	PASS
		2437	10.51	80.24	0.96	11.47	≤30.00	2.09	13.56	≤36.00	PASS
		2462	10.97	79.84	0.98	11.95	≤30.00	2.09	14.04	≤36.00	PASS
11N20SI SO	Ant1	2412	6.80	30.14	5.21	12.01	≤30.00	2.09	14.10	≤36.00	PASS
		2437	6.28	30.14	5.21	11.49	≤30.00	2.09	13.58	≤36.00	PASS
		2462	6.45	30.14	5.21	11.66	≤30.00	2.09	13.75	≤36.00	PASS
11N40SI SO	Ant1	2422	9.93	65.03	1.87	11.80	≤30.00	2.09	13.89	≤36.00	PASS
		2437	9.00	65.03	1.87	10.87	≤30.00	2.09	12.96	≤36.00	PASS
		2452	9.41	65.03	1.87	11.28	≤30.00	2.09	13.37	≤36.00	PASS

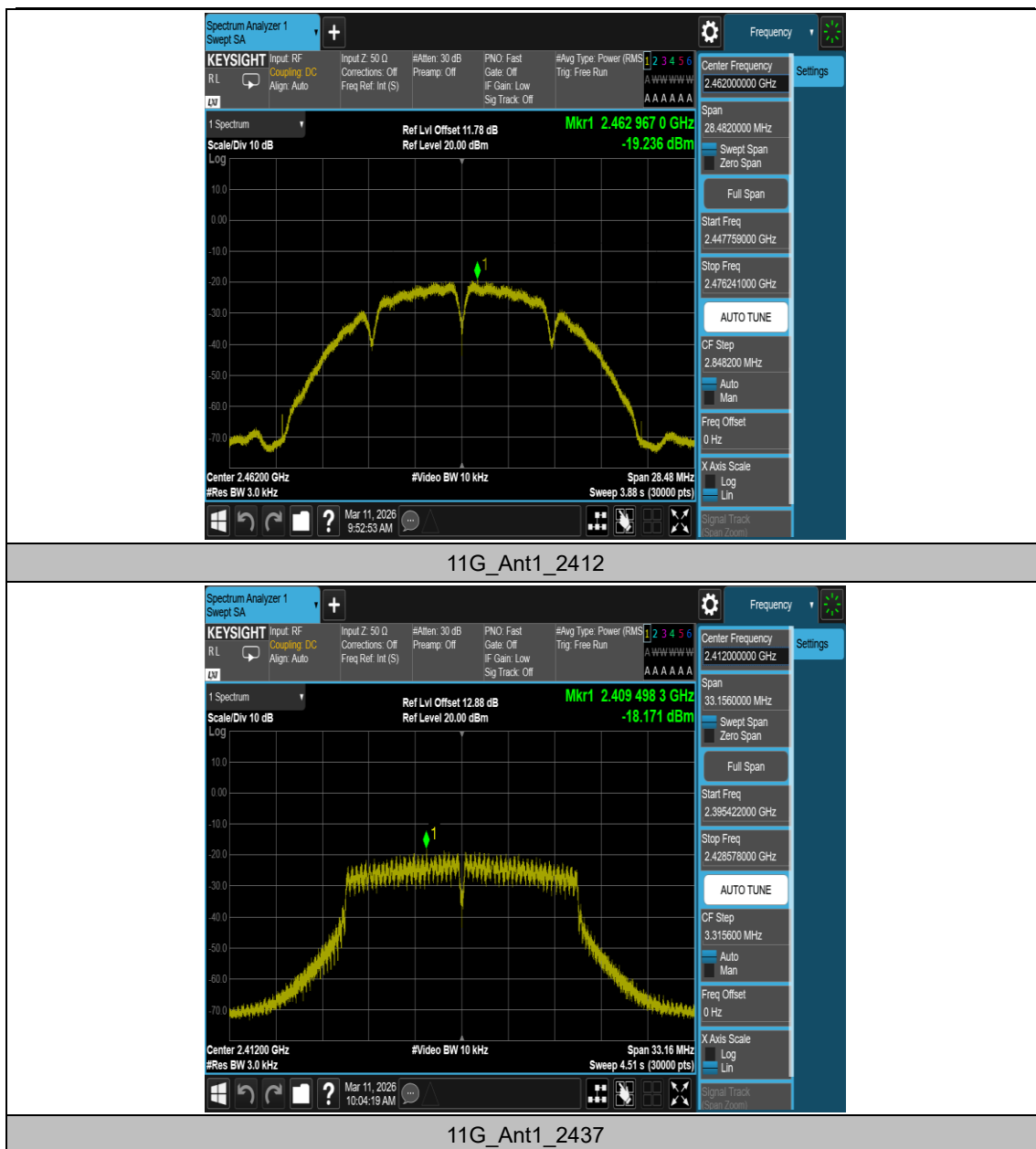
Appendix D: Maximum power spectral density

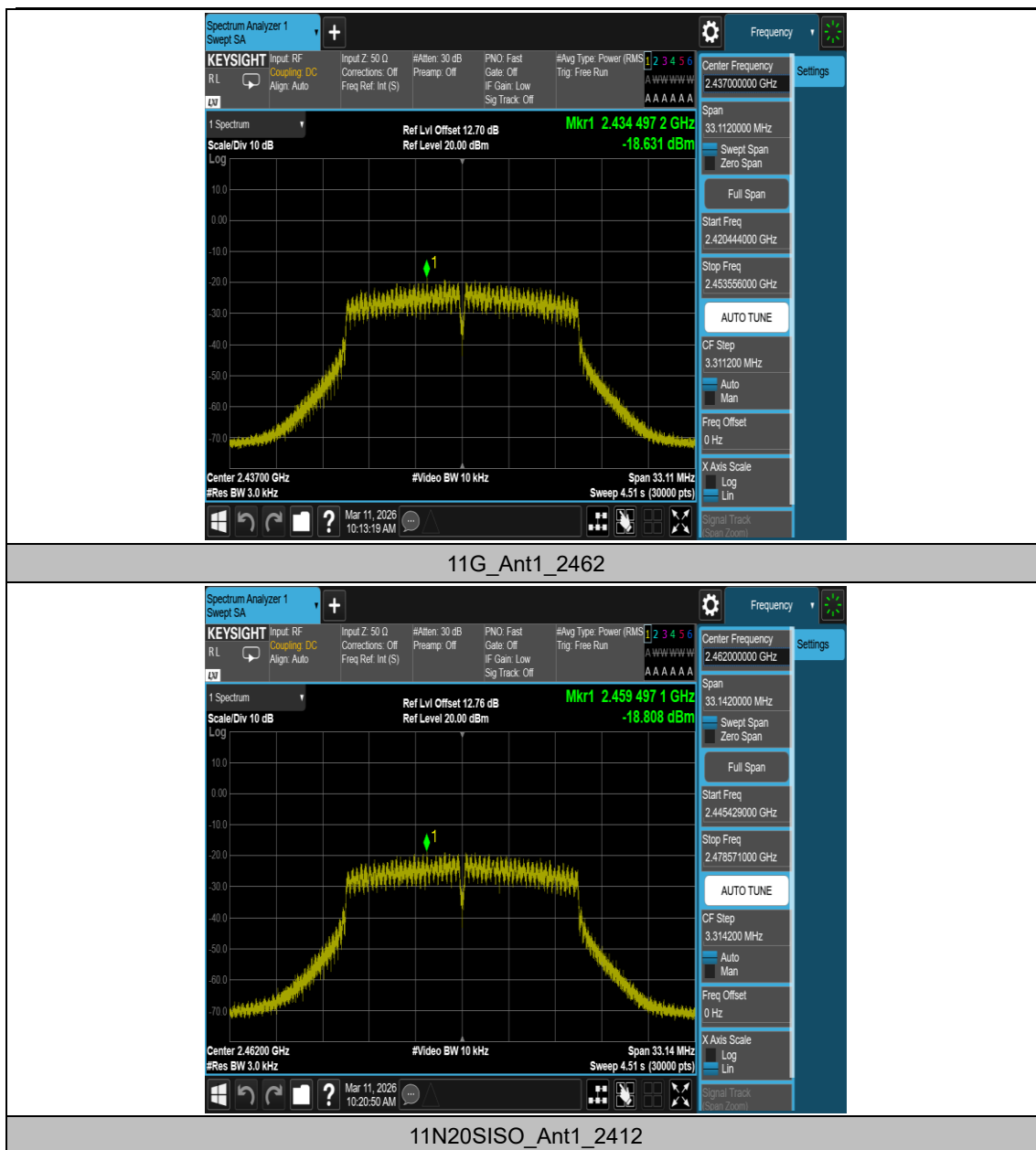
Test Result

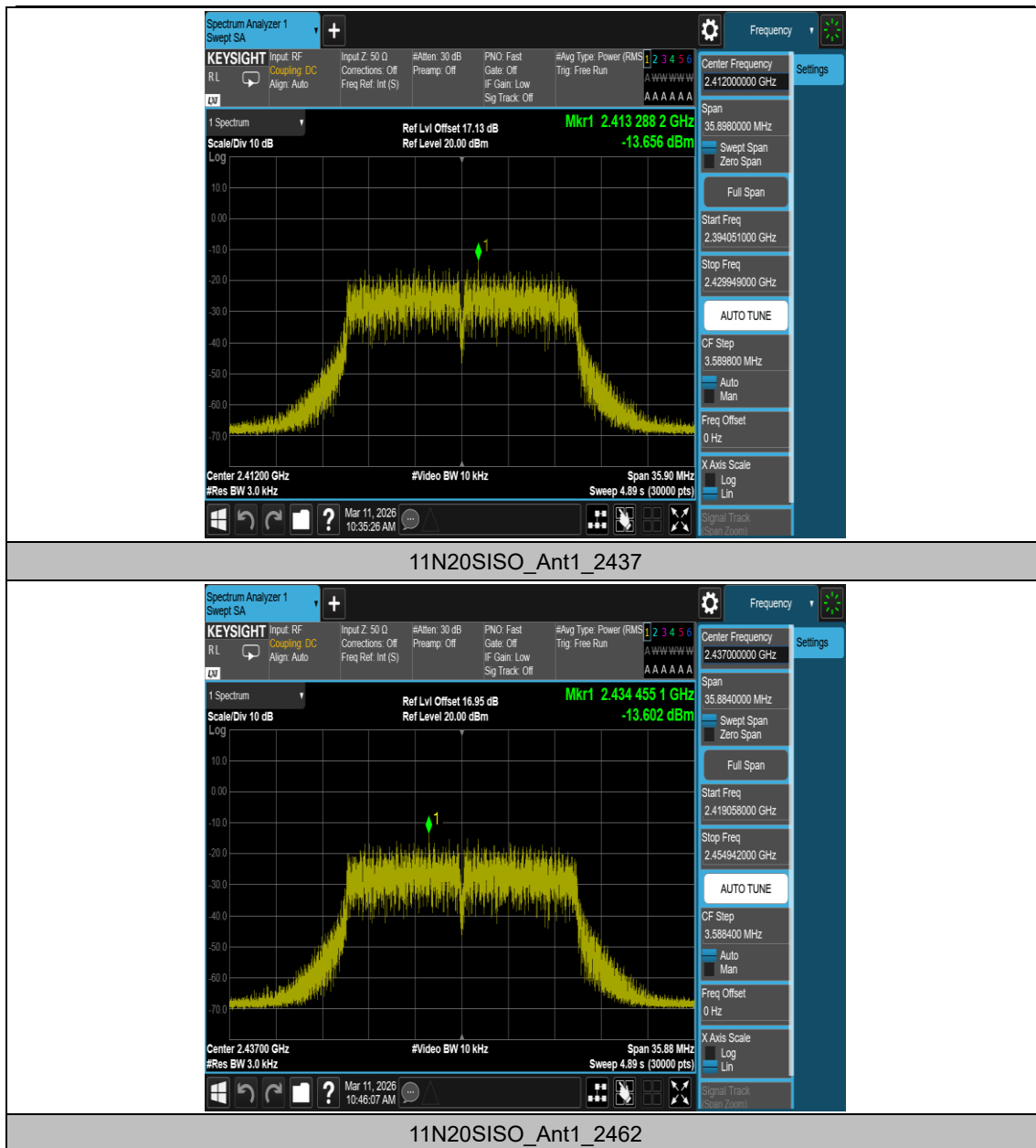
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.23	≤8.00	PASS
		2437	-19.99	≤8.00	PASS
		2462	-19.24	≤8.00	PASS
11G	Ant1	2412	-18.17	≤8.00	PASS
		2437	-18.63	≤8.00	PASS
		2462	-18.81	≤8.00	PASS
11N20SISO	Ant1	2412	-13.66	≤8.00	PASS
		2437	-13.60	≤8.00	PASS
		2462	-14.20	≤8.00	PASS
11N40SISO	Ant1	2422	-20.43	≤8.00	PASS
		2437	-21.33	≤8.00	PASS
		2452	-31.70	≤8.00	PASS

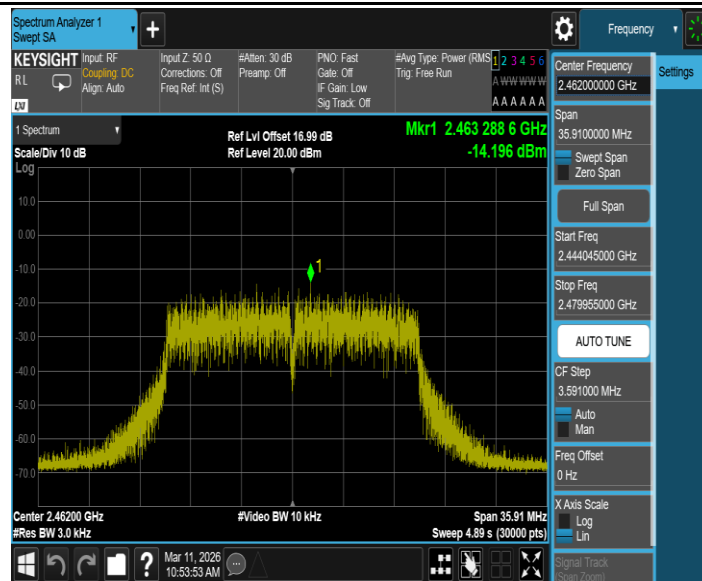
Test Graphs



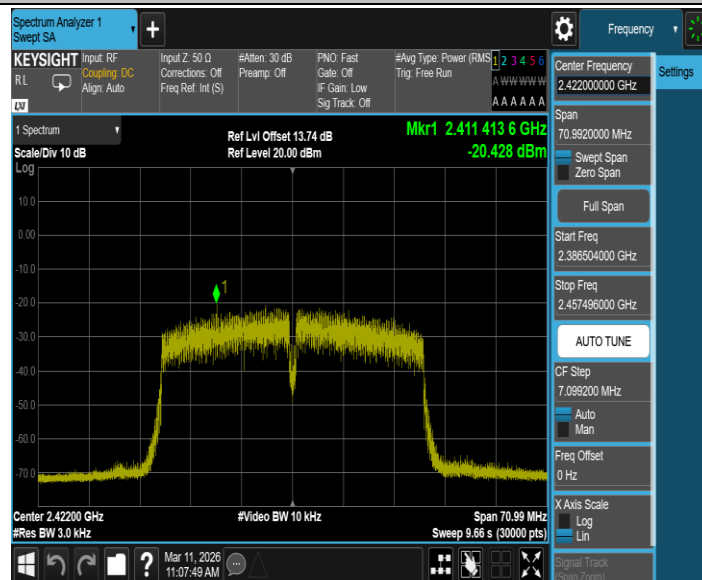




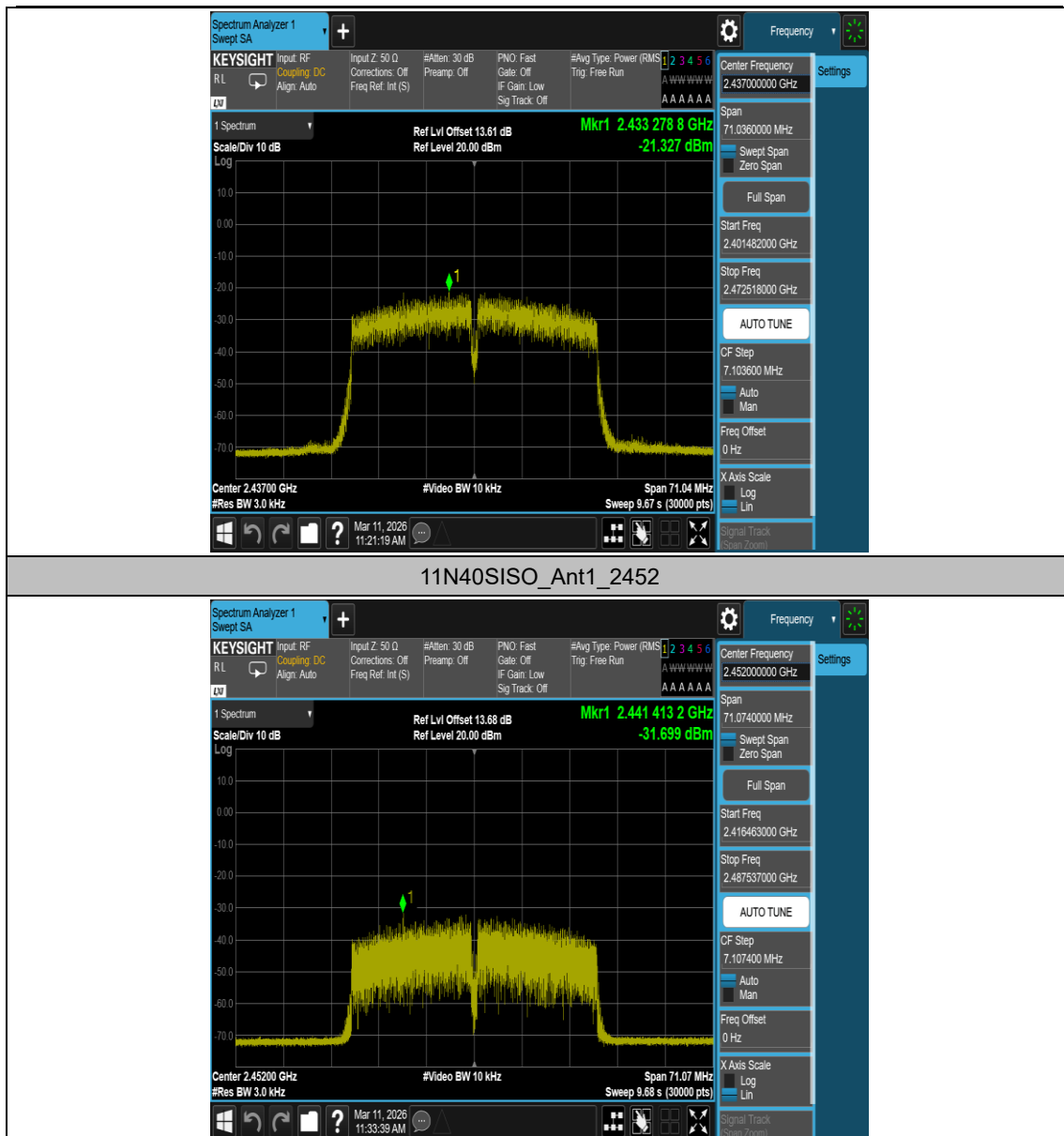




11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

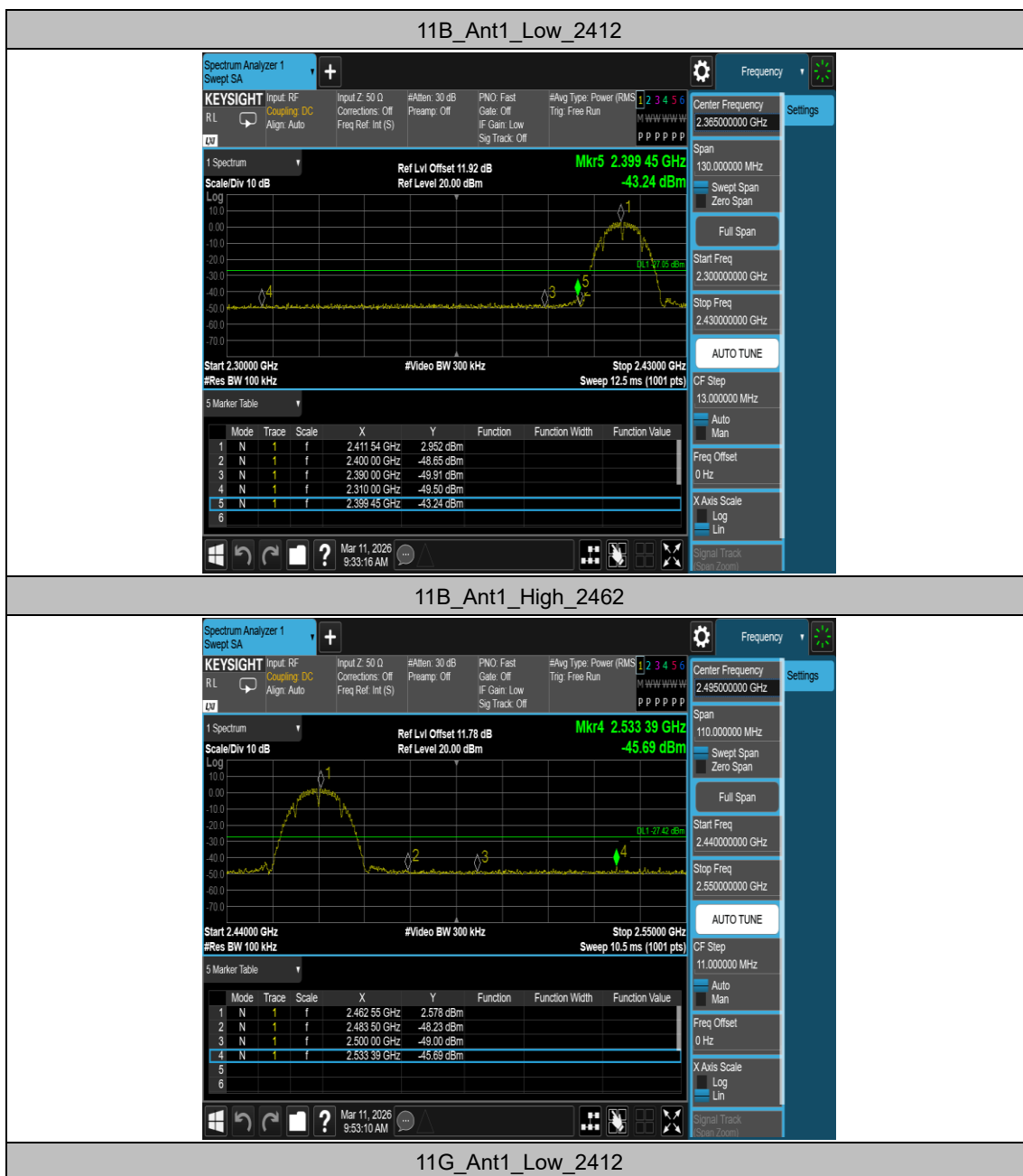


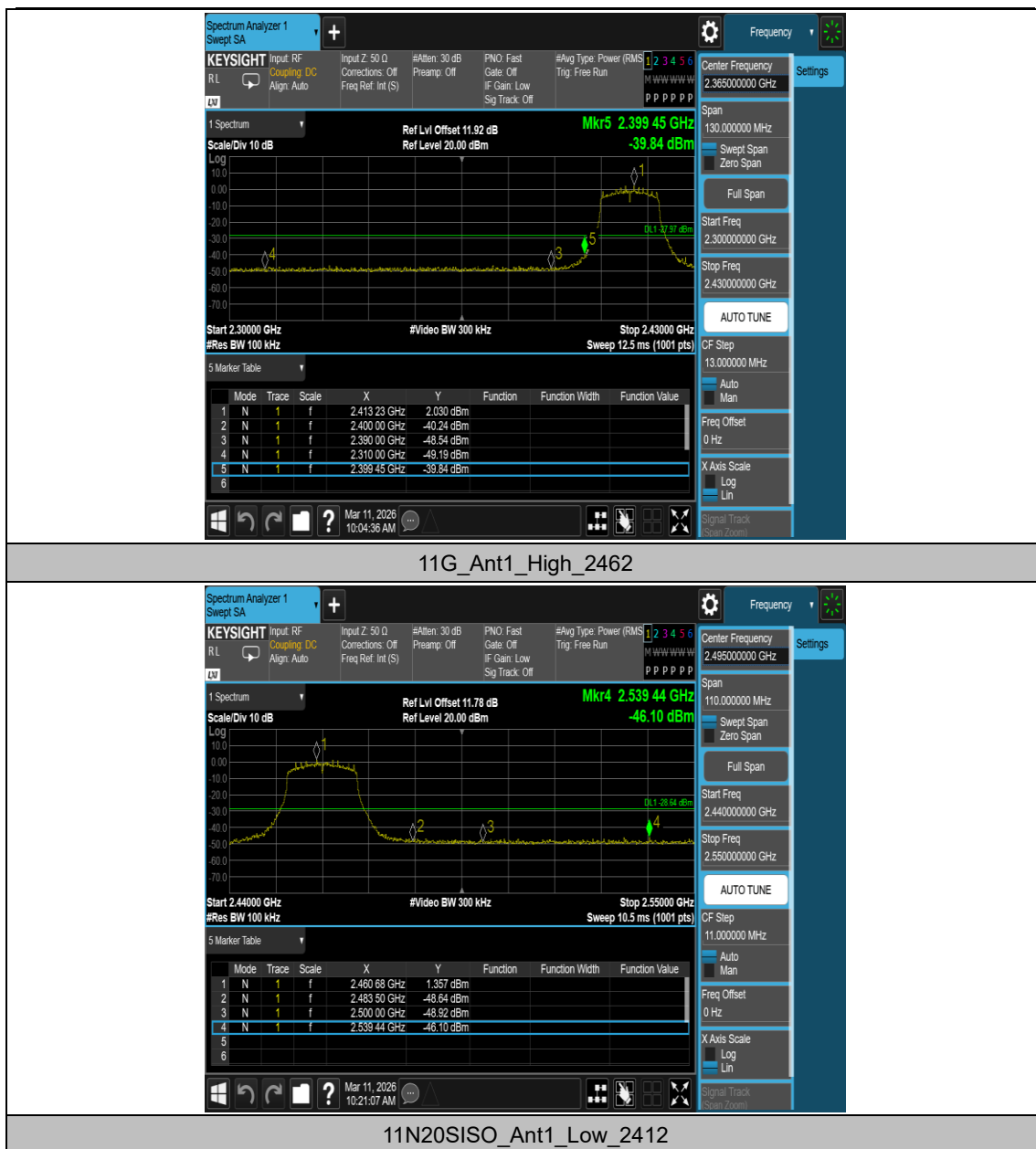
Appendix E: Band edge measurements

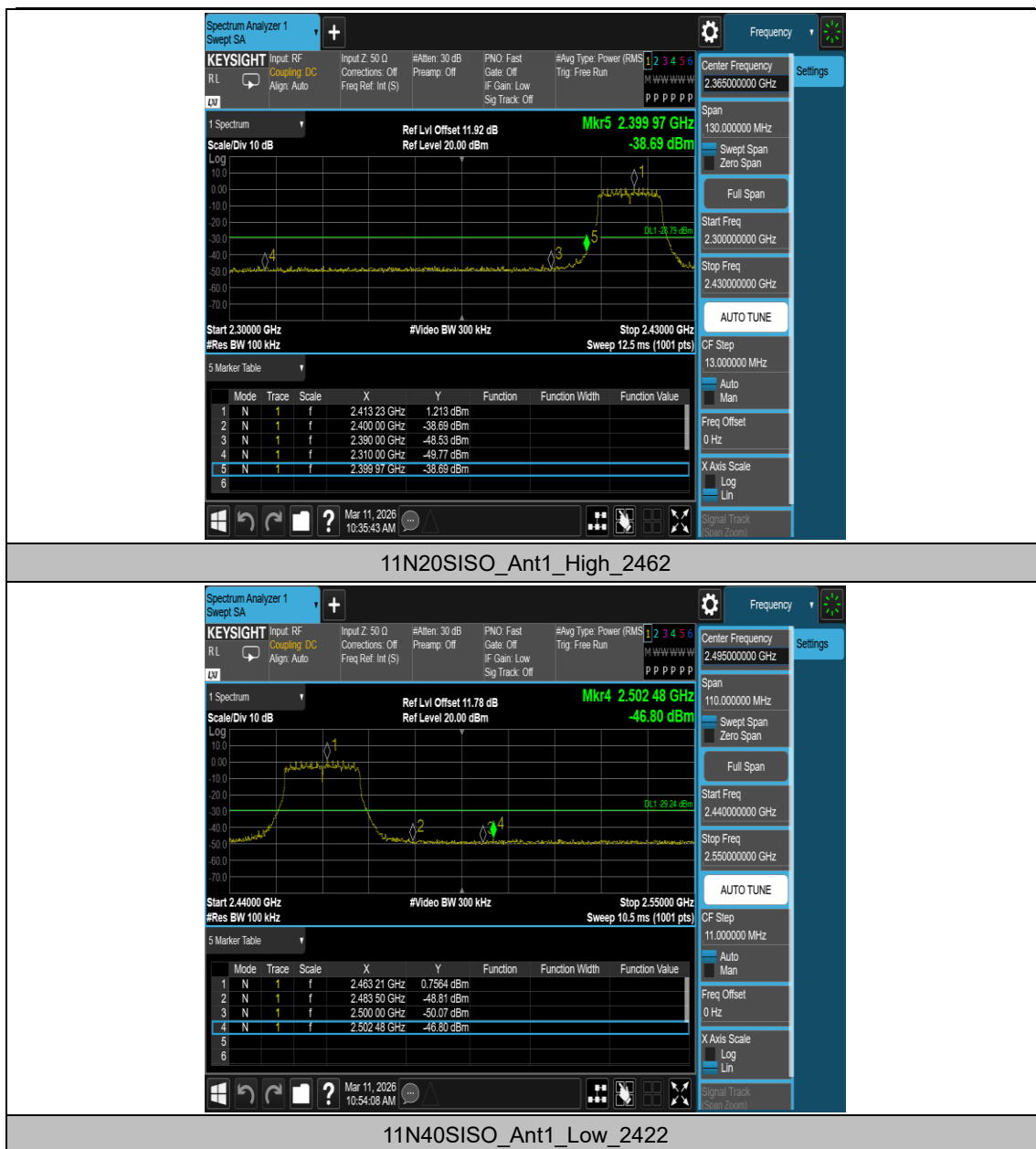
Test Result

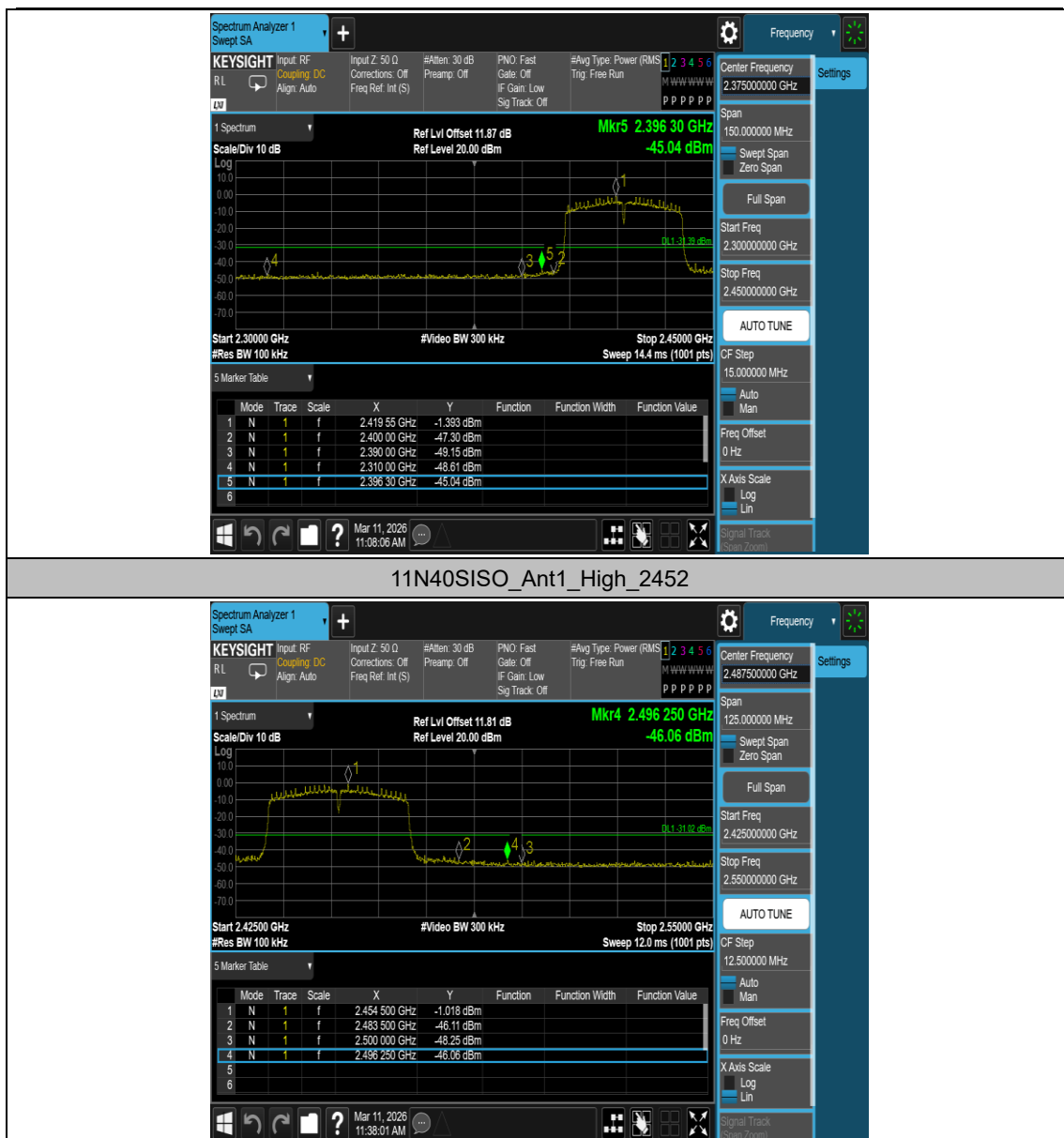
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.95	-43.25	≤-27.05	PASS
		High	2462	2.58	-45.69	≤-27.42	PASS
11G	Ant1	Low	2412	2.03	-39.84	≤-27.97	PASS
		High	2462	1.36	-46.1	≤-28.64	PASS
11N20SIS O	Ant1	Low	2412	1.21	-38.69	≤-28.79	PASS
		High	2462	0.76	-46.8	≤-29.24	PASS
11N40SIS O	Ant1	Low	2422	-1.39	-45.04	≤-31.39	PASS
		High	2452	-1.02	-46.06	≤-31.02	PASS

Test Graphs









Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-44.01	≤-26.81	PASS
			1000~26500	3.19	-50.64	≤-26.81	PASS
		2437	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-51.26	≤-27.75	PASS
			1000~26500	2.25	-49.8	≤-27.75	PASS
		2462	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-58.74	≤-27.43	PASS
			1000~26500	2.57	-50.03	≤-27.43	PASS
11G	Ant1	2412	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-58.11	≤-27.75	PASS
			1000~26500	2.25	-48.36	≤-27.75	PASS
		2437	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-58.53	≤-28.3	PASS
			1000~26500	1.70	-48.52	≤-28.3	PASS
		2462	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-58.41	≤-27.72	PASS
			1000~26500	2.28	-49.67	≤-27.72	PASS
11N20SI SO	Ant1	2412	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-58.57	≤-28.73	PASS
			1000~26500	1.27	-48.28	≤-28.73	PASS
		2437	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-58.94	≤-29.71	PASS
			1000~26500	0.29	-49.13	≤-29.71	PASS
		2462	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-58.52	≤-28.83	PASS
			1000~26500	1.17	-49.76	≤-28.83	PASS
11N40SI SO	Ant1	2422	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-57.84	≤-30.98	PASS
			1000~26500	-0.98	-48.14	≤-30.98	PASS
		2437	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-57.6	≤-31.47	PASS
			1000~26500	-1.47	-49.09	≤-31.47	PASS
		2452	Reference	-0.87	-0.87	---	PASS
			30~1000	-0.87	-58.82	≤-30.87	PASS
			1000~26500	-0.87	-49.56	≤-30.87	PASS