

Appendix Test Data

Report No.:	1816C50010612502	Test Sample No.:	1-2-2
Start Test Date:	2025-5-27	Finish Test Date:	2025-5-29
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	26°C	Relative Humidity:	52%
Pressure:	101kPa		

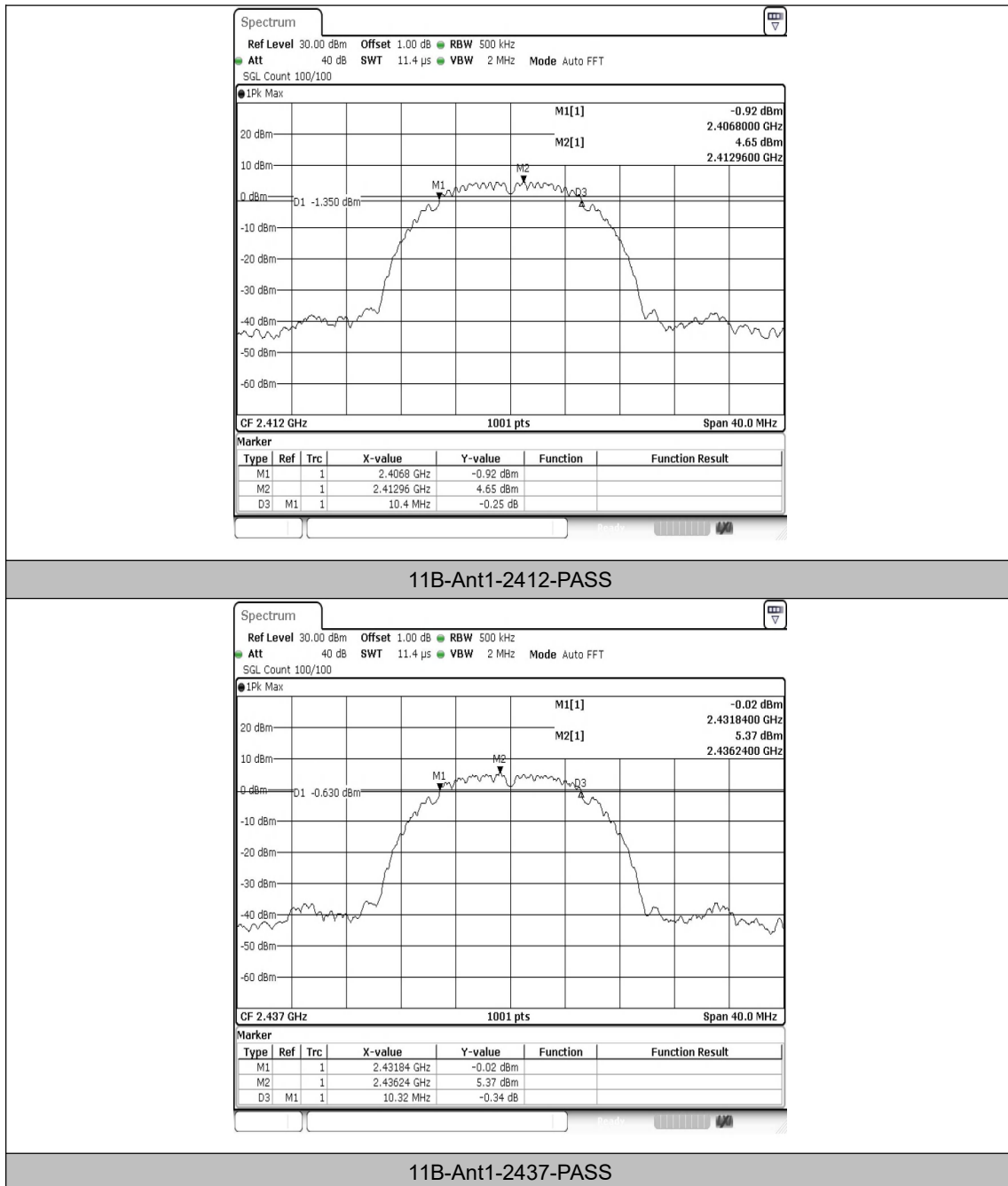
Appendix A: 6dB Bandwidth

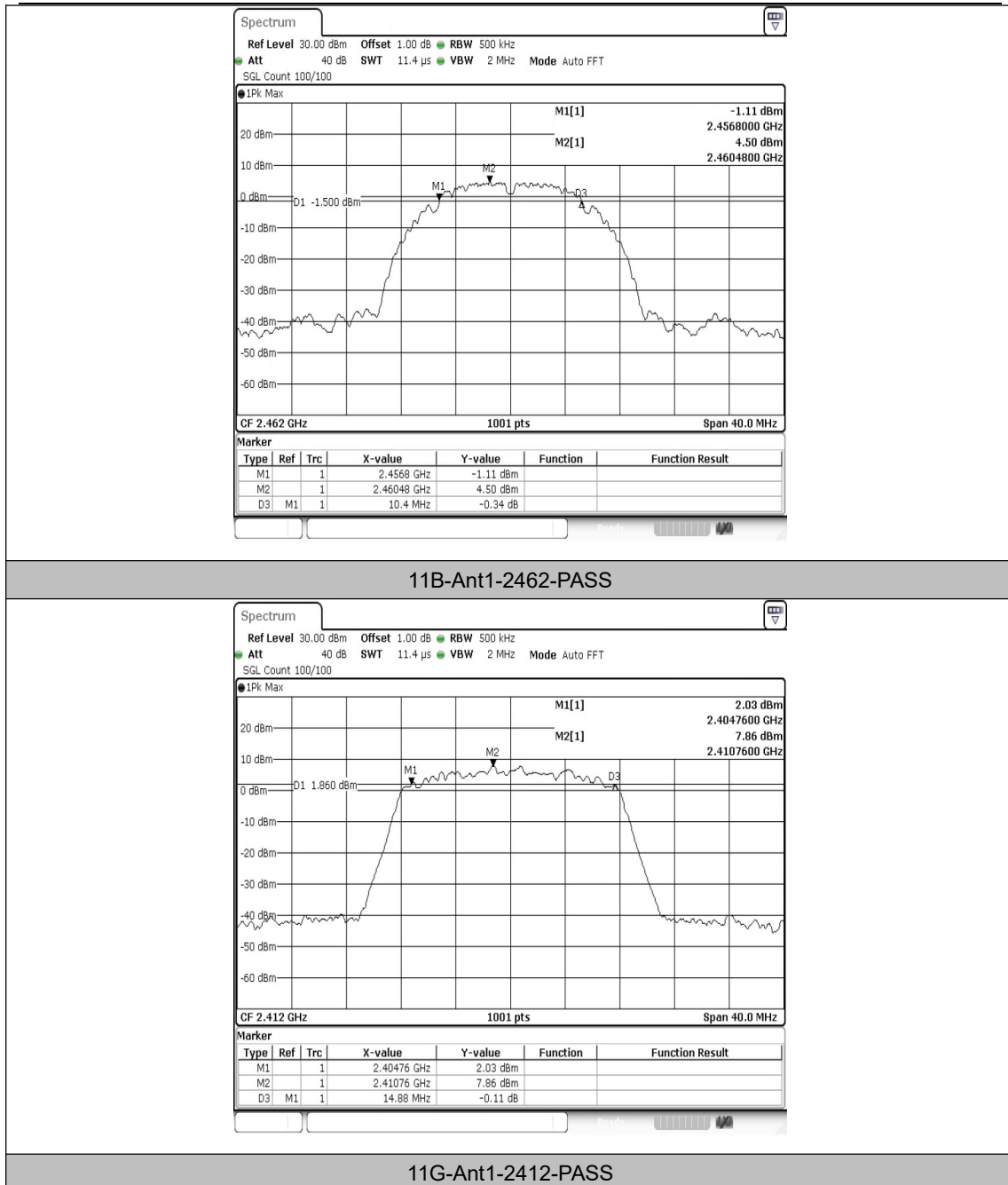
Test Result

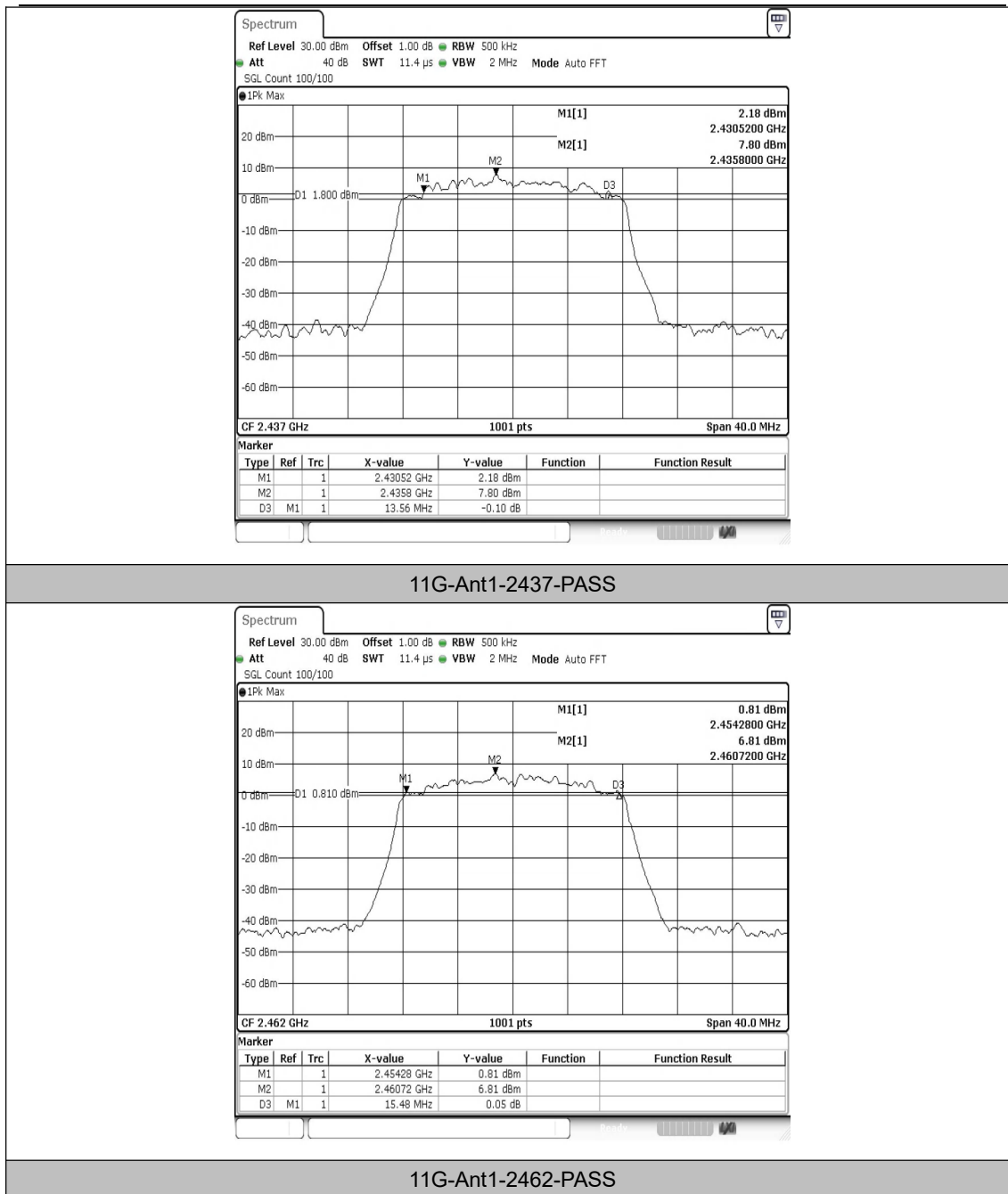
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.40	2406.80	2417.20	0.5	PASS
11B	Ant1	2437	10.32	2431.84	2442.16	0.5	PASS
11B	Ant1	2462	10.40	2456.80	2467.20	0.5	PASS
11G	Ant1	2412	14.88	2404.76	2419.64	0.5	PASS
11G	Ant1	2437	13.56	2430.52	2444.08	0.5	PASS
11G	Ant1	2462	15.48	2454.28	2469.76	0.5	PASS
11N20SISO	Ant1	2412	15.72	2404.04	2419.76	0.5	PASS
11N20SISO	Ant1	2437	16.56	2428.60	2445.16	0.5	PASS
11N20SISO	Ant1	2462	15.36	2454.32	2469.68	0.5	PASS
11N40SISO	Ant1	2422	35.68	2404.24	2439.92	0.5	PASS
11N40SISO	Ant1	2437	34.24	2420.60	2454.84	0.5	PASS
11N40SISO	Ant1	2452	34.08	2434.40	2468.48	0.5	PASS

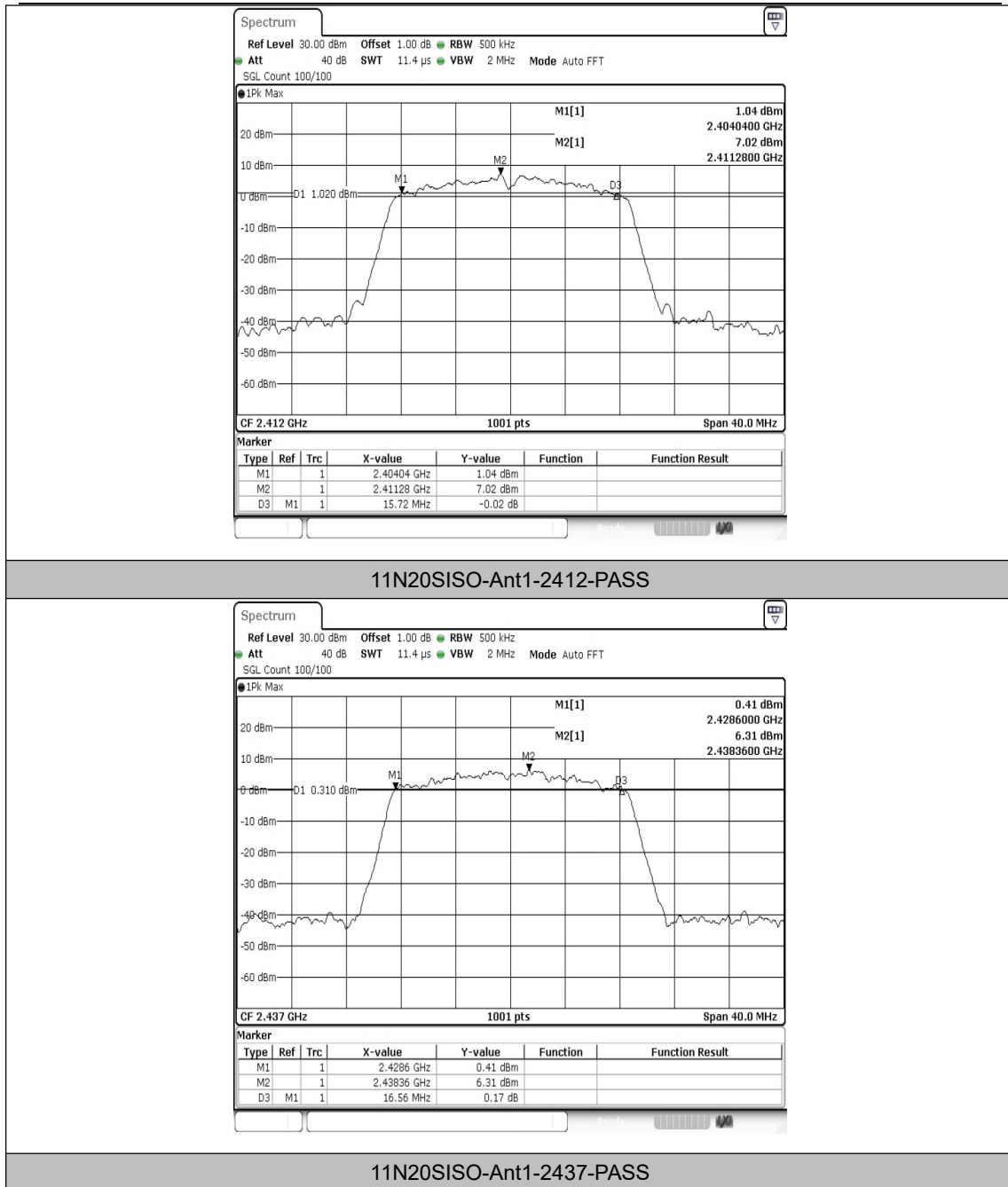


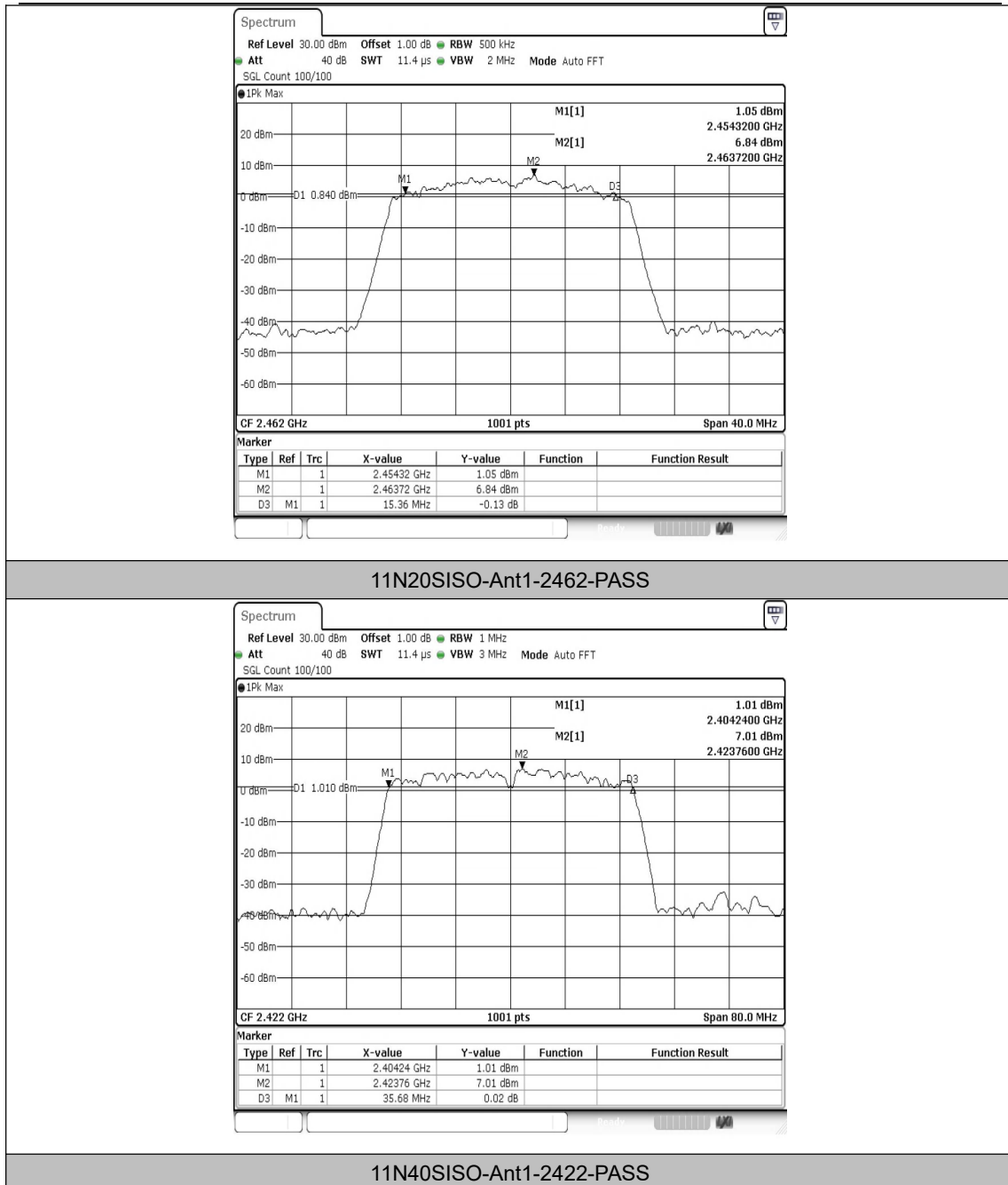
Test Graphs







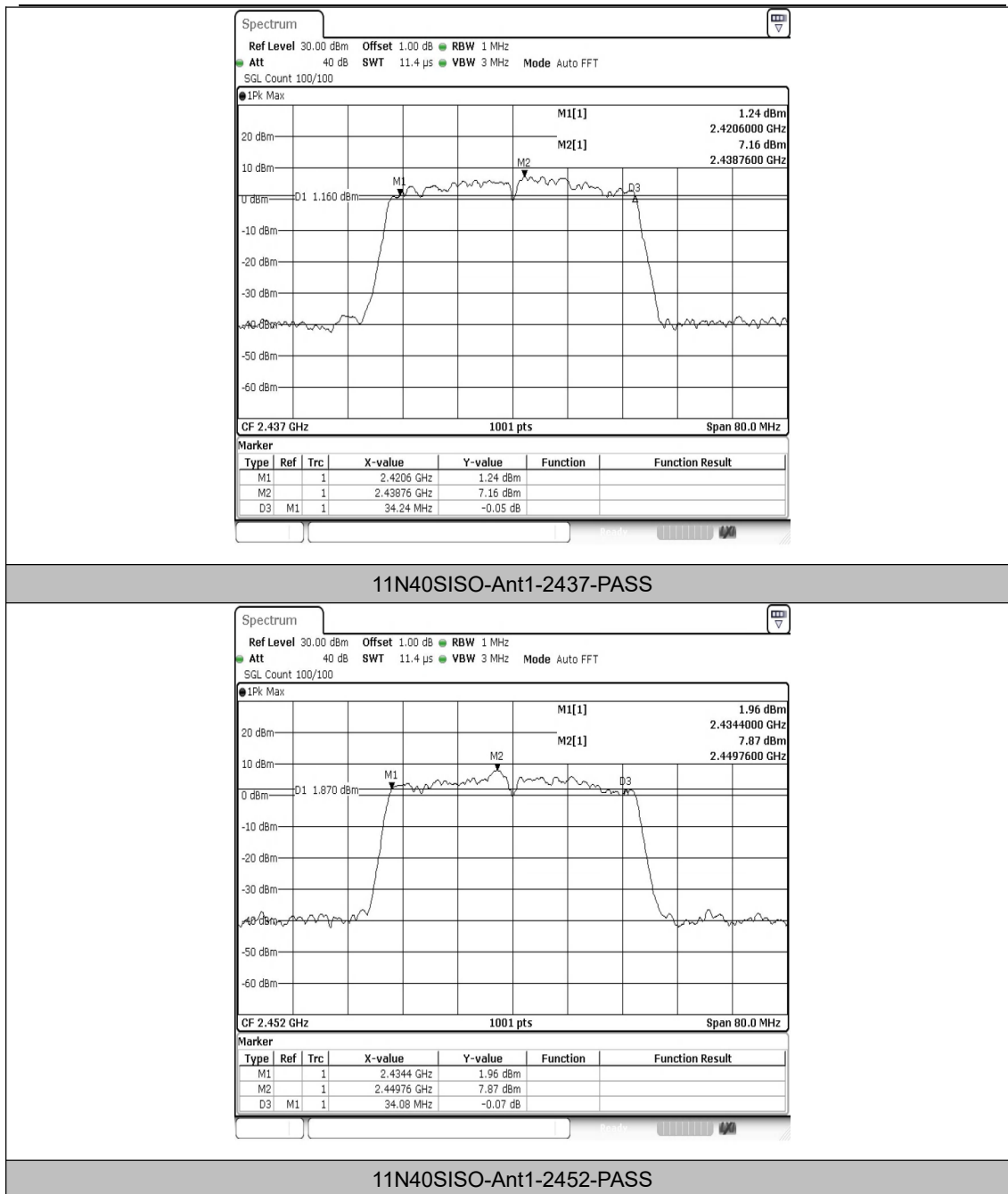




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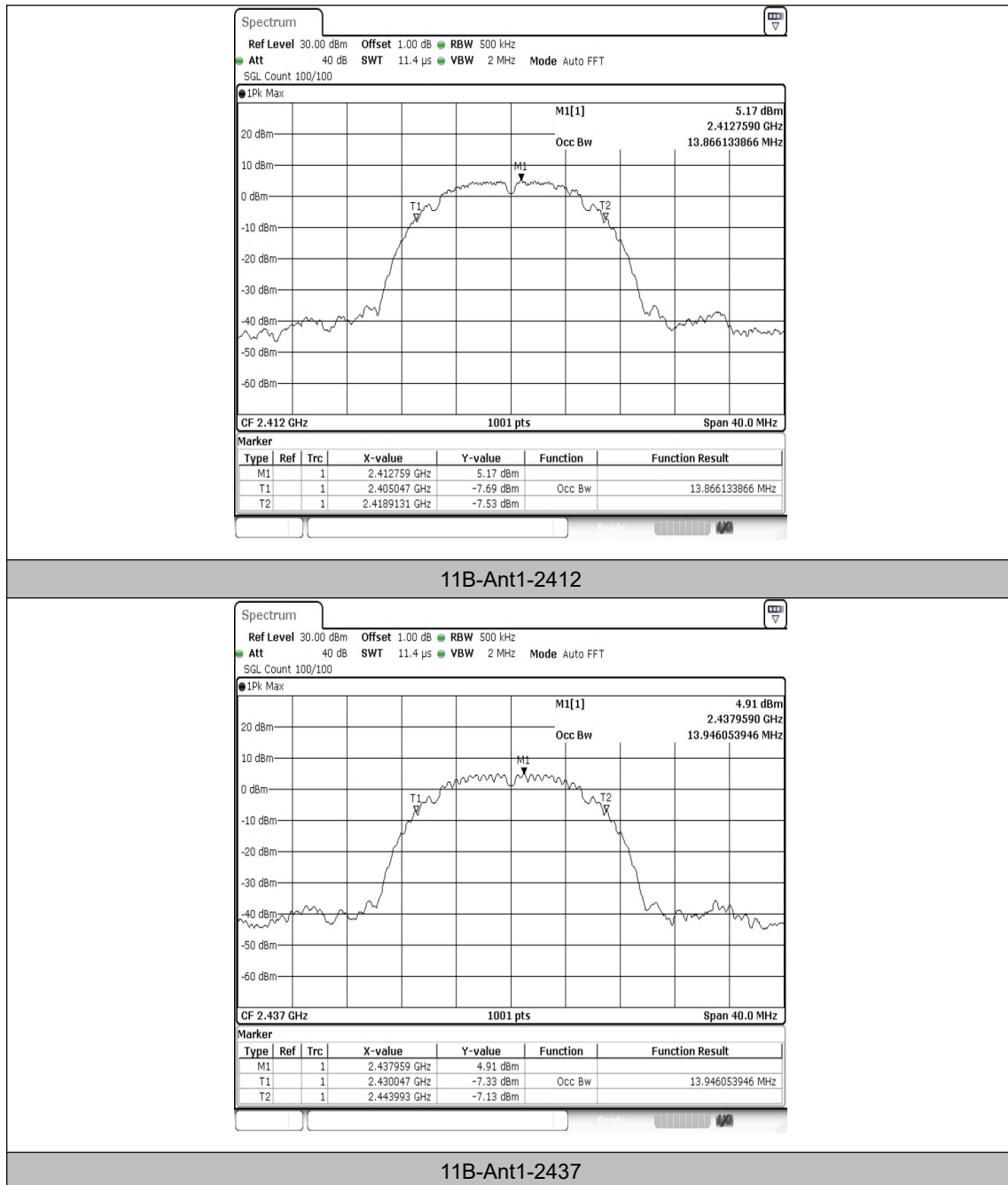
Appendix B: 99% Occupied Bandwidth

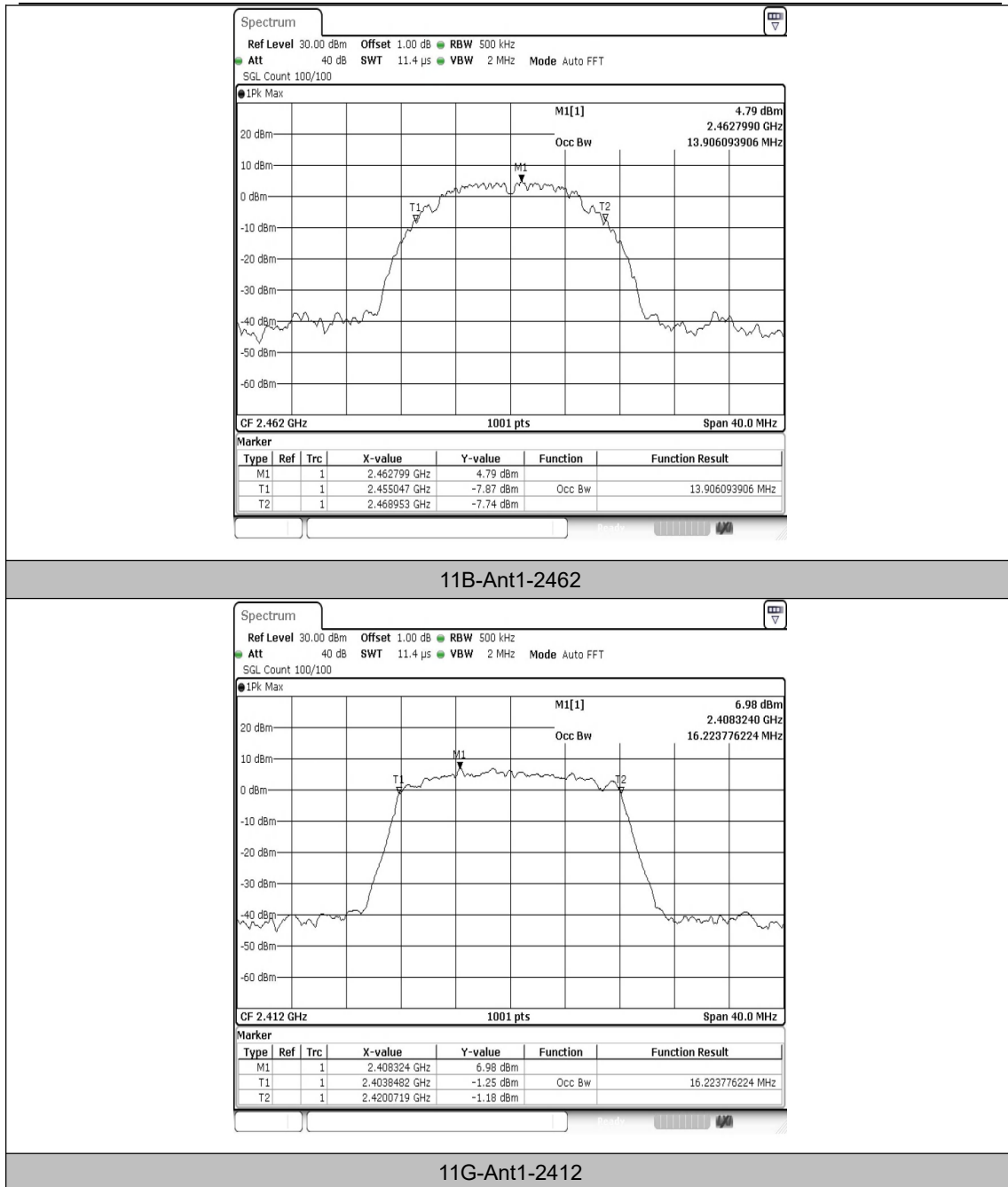
Test Result

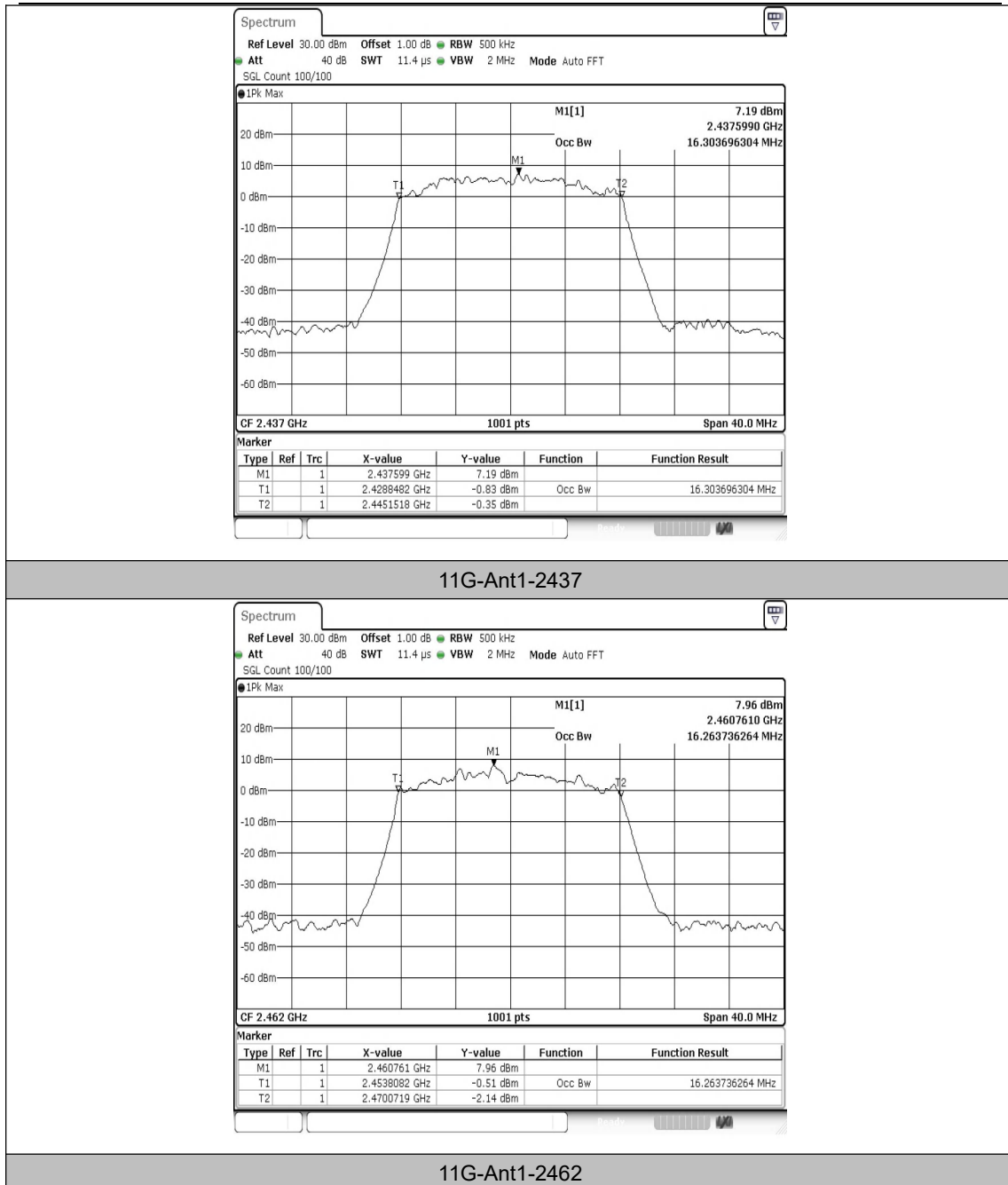
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.866	2405.0470	2418.9131	---	---
11B	Ant1	2437	13.946	2430.0470	2443.9930	---	---
11B	Ant1	2462	13.906	2455.0470	2468.9530	---	---
11G	Ant1	2412	16.224	2403.8482	2420.0719	---	---
11G	Ant1	2437	16.304	2428.8482	2445.1518	---	---
11G	Ant1	2462	16.264	2453.8082	2470.0719	---	---
11N20SISO	Ant1	2412	17.303	2403.3287	2420.6314	---	---
11N20SISO	Ant1	2437	17.343	2428.2887	2445.6314	---	---
11N20SISO	Ant1	2462	17.303	2453.3287	2470.6314	---	---
11N40SISO	Ant1	2422	35.964	2404.0180	2439.9820	---	---
11N40SISO	Ant1	2437	35.724	2419.0979	2454.8222	---	---
11N40SISO	Ant1	2452	35.724	2434.0979	2469.8222	---	---

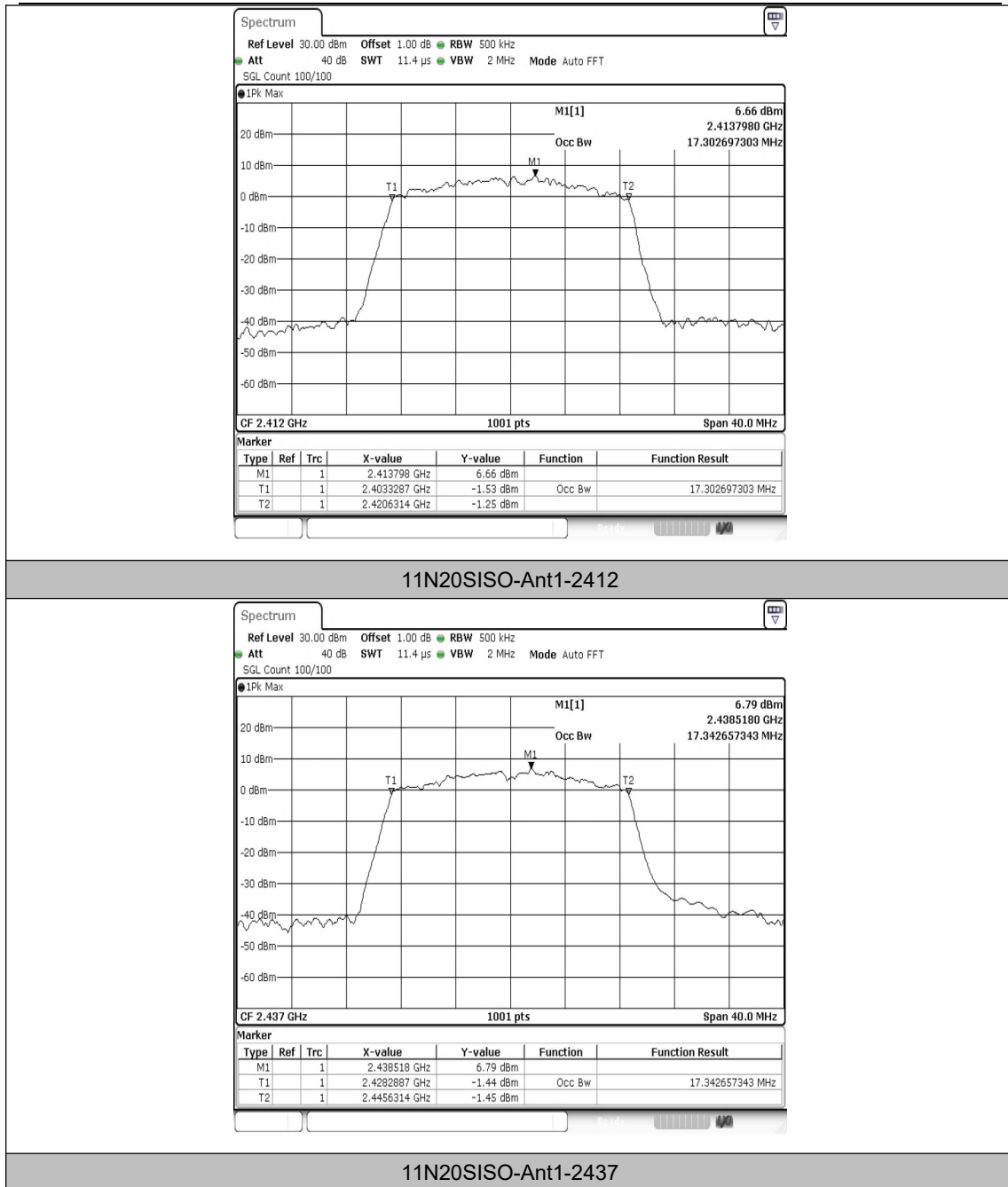


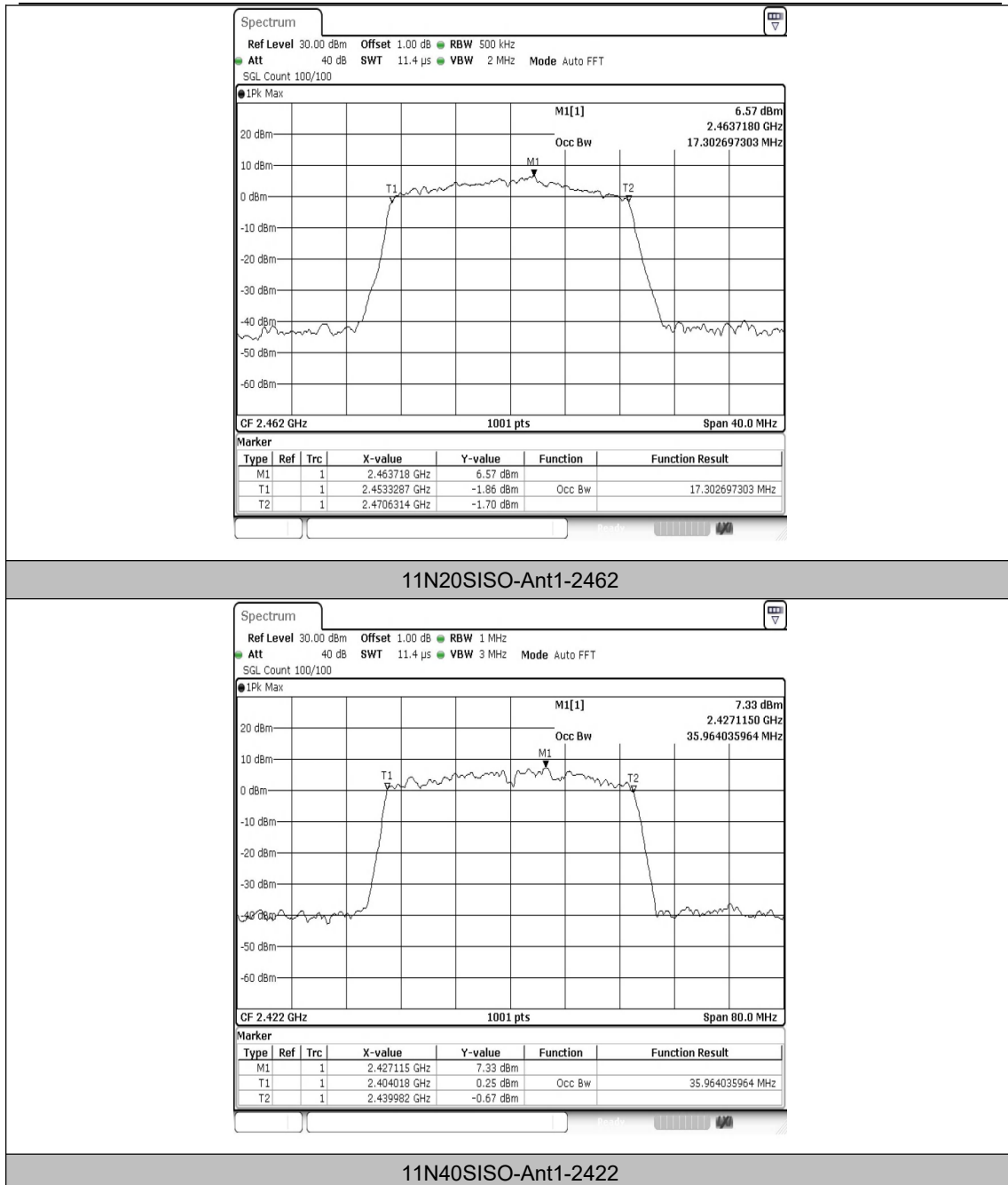
Test Graphs

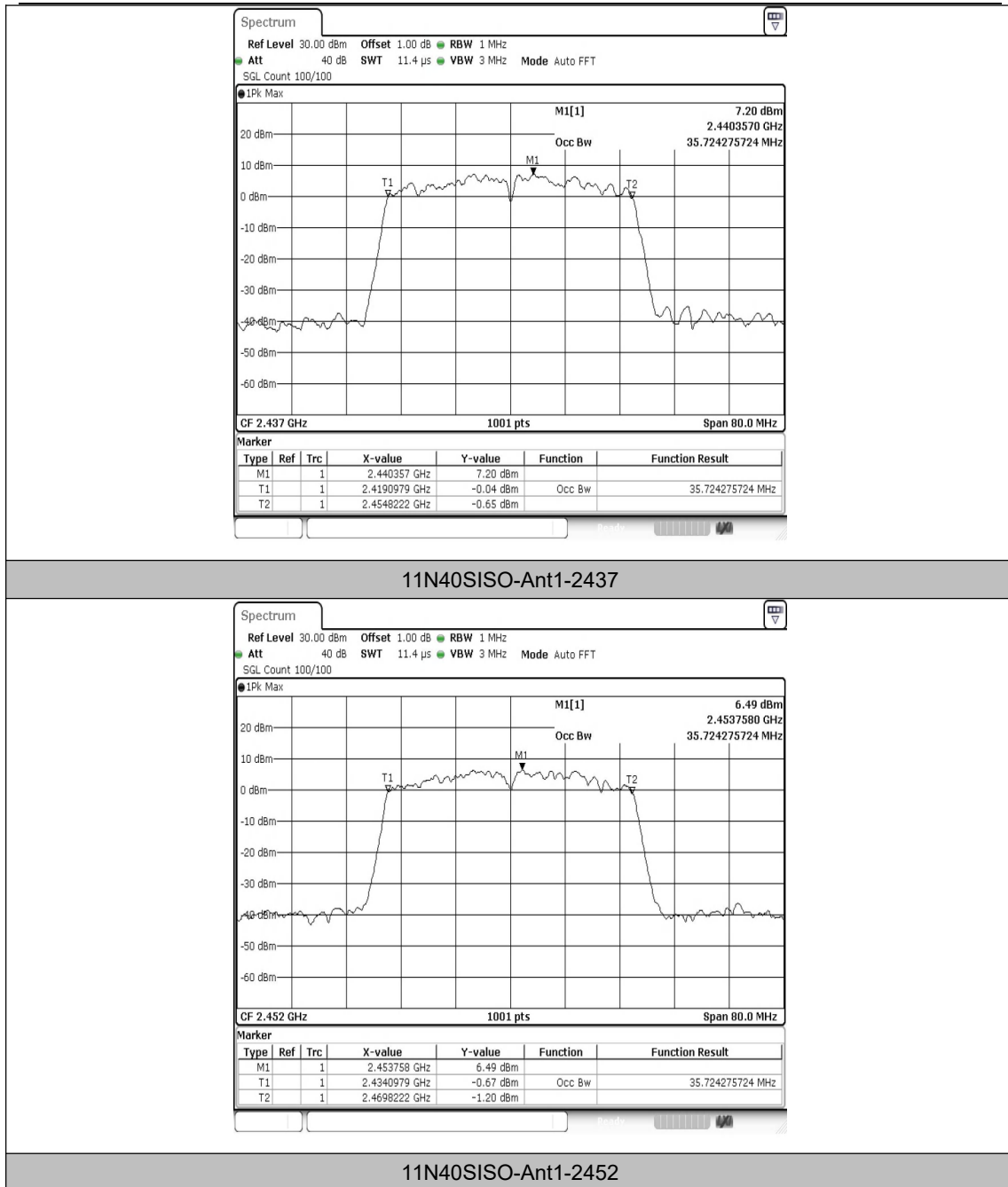












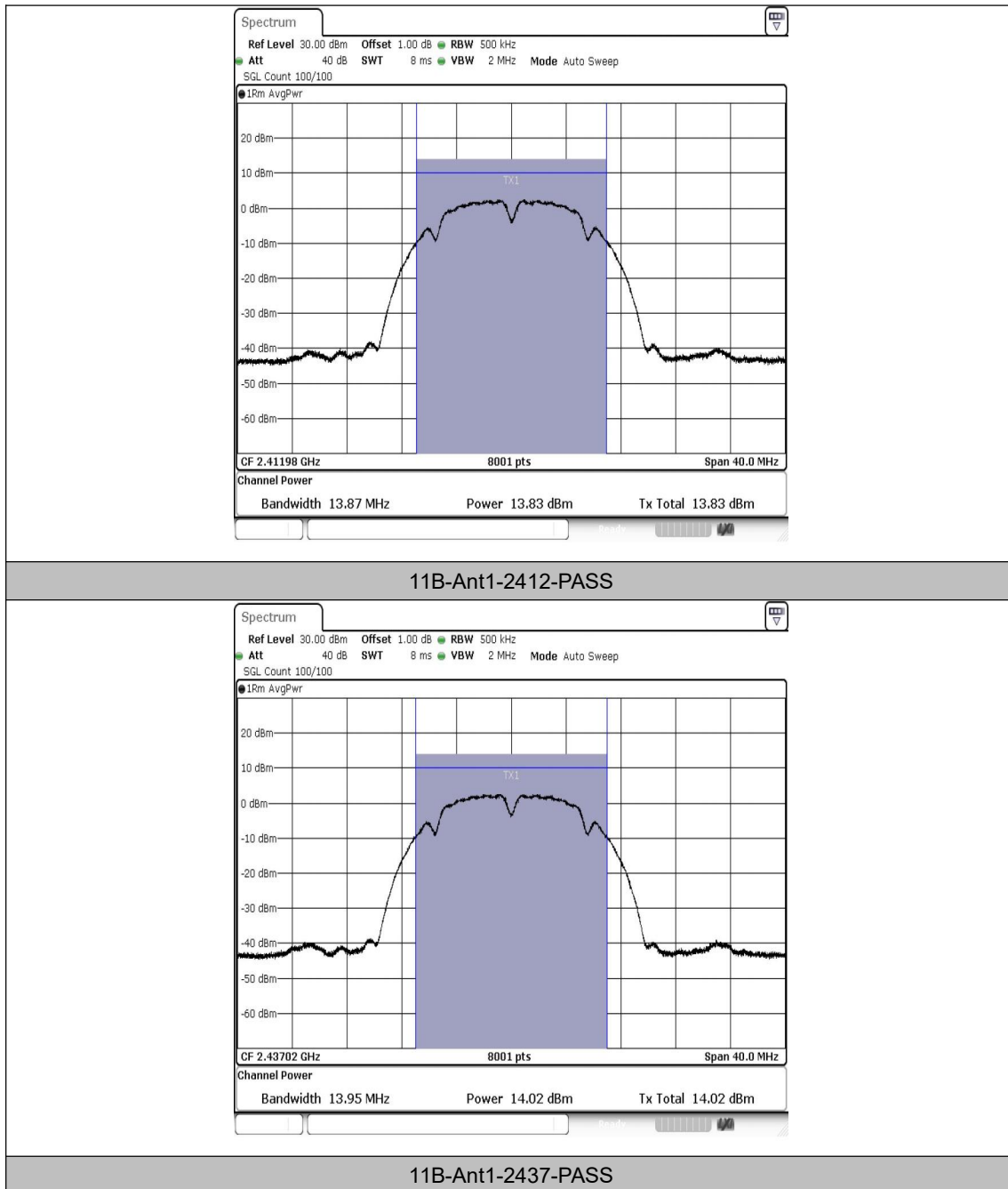
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	13.83	100.00	0.00	13.83	≤30.00	PASS
11B	Ant1	2437	NA	14.02	100.00	0.00	14.02	≤30.00	PASS
11B	Ant1	2462	NA	13.31	100.00	0.00	13.31	≤30.00	PASS
11G	Ant1	2412	NA	13.58	100.00	0.00	13.58	≤30.00	PASS
11G	Ant1	2437	NA	13.45	100.00	0.00	13.45	≤30.00	PASS
11G	Ant1	2462	NA	13.00	100.00	0.00	13.00	≤30.00	PASS
11N20SISO	Ant1	2412	NA	13.26	100.00	0.00	13.26	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.30	100.00	0.00	13.30	≤30.00	PASS
11N20SISO	Ant1	2462	NA	12.82	100.00	0.00	12.82	≤30.00	PASS
11N40SISO	Ant1	2422	NA	13.42	100.00	0.00	13.42	≤30.00	PASS
11N40SISO	Ant1	2437	NA	13.34	100.00	0.00	13.34	≤30.00	PASS
11N40SISO	Ant1	2452	NA	12.97	100.00	0.00	12.97	≤30.00	PASS

Note: 1. The cable loss are compensated in the graph

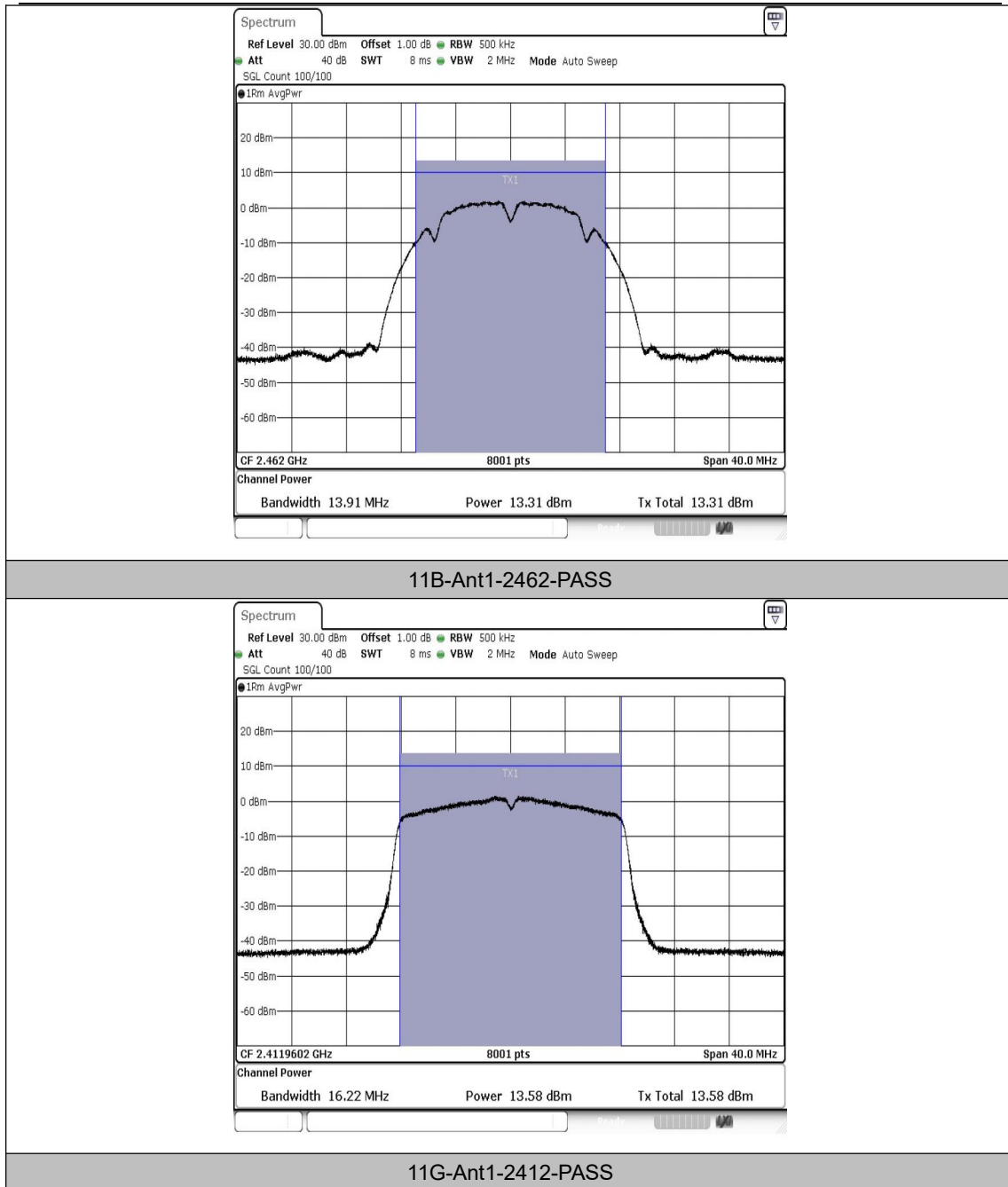
Test Graphs Average



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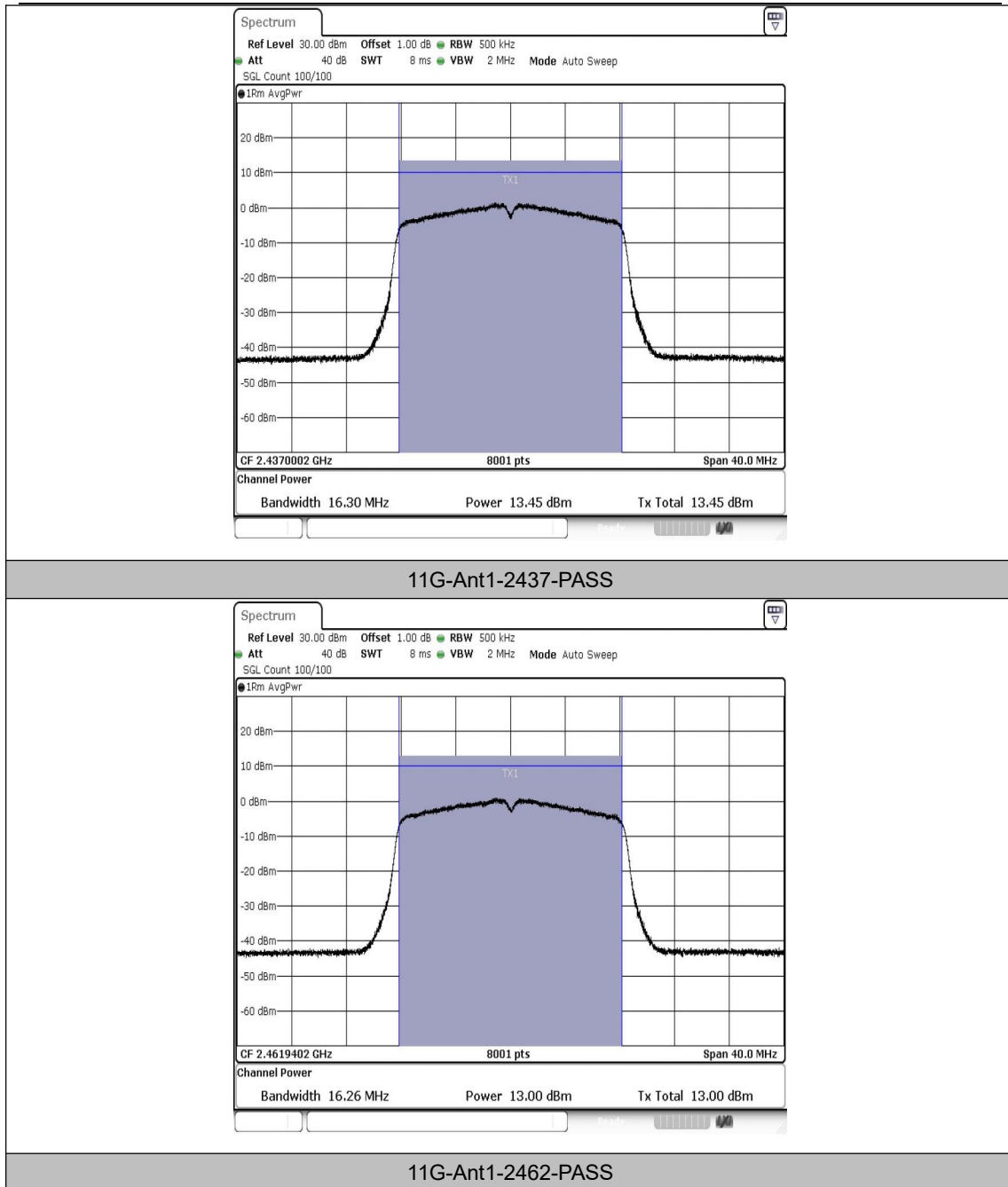
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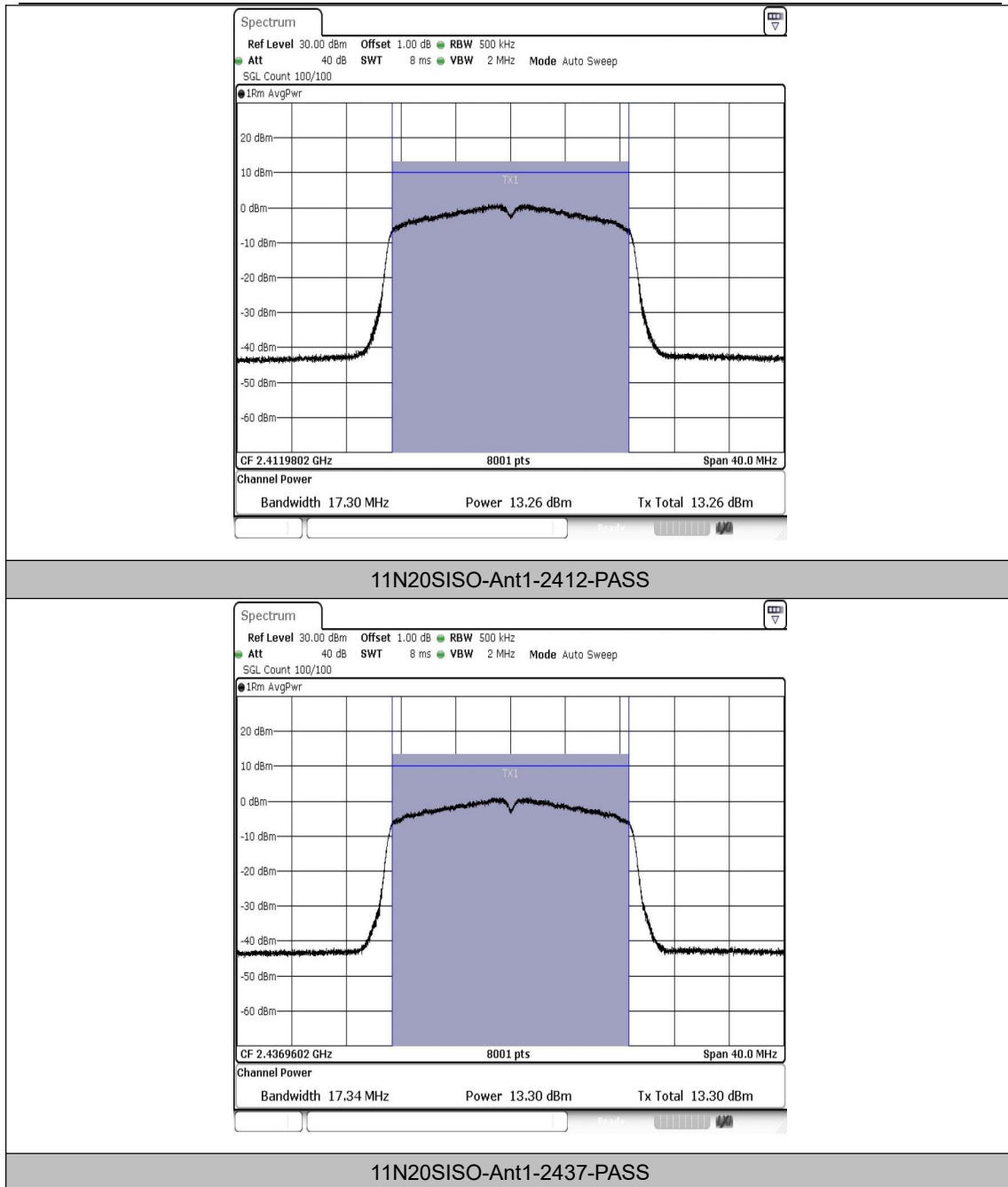
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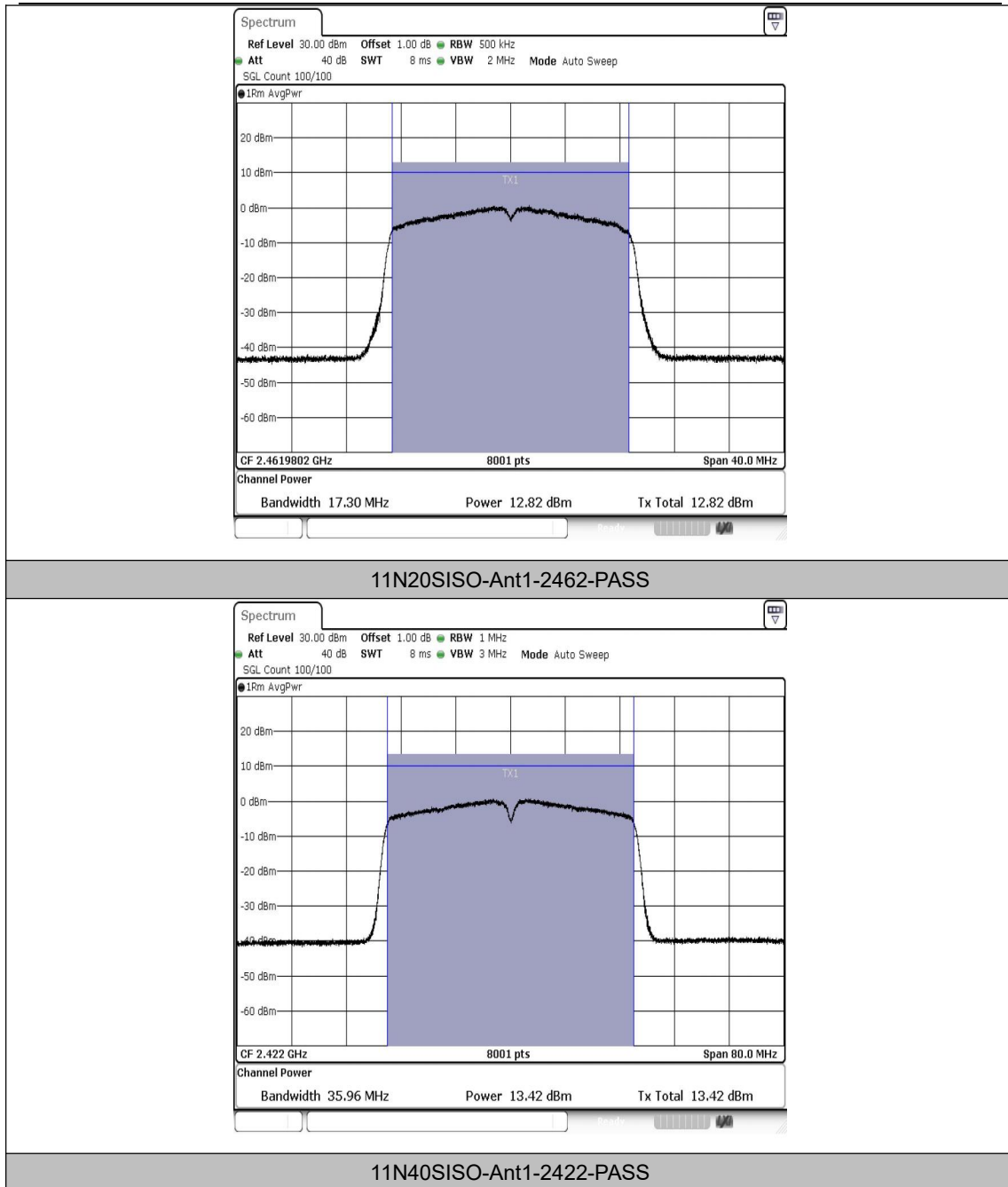
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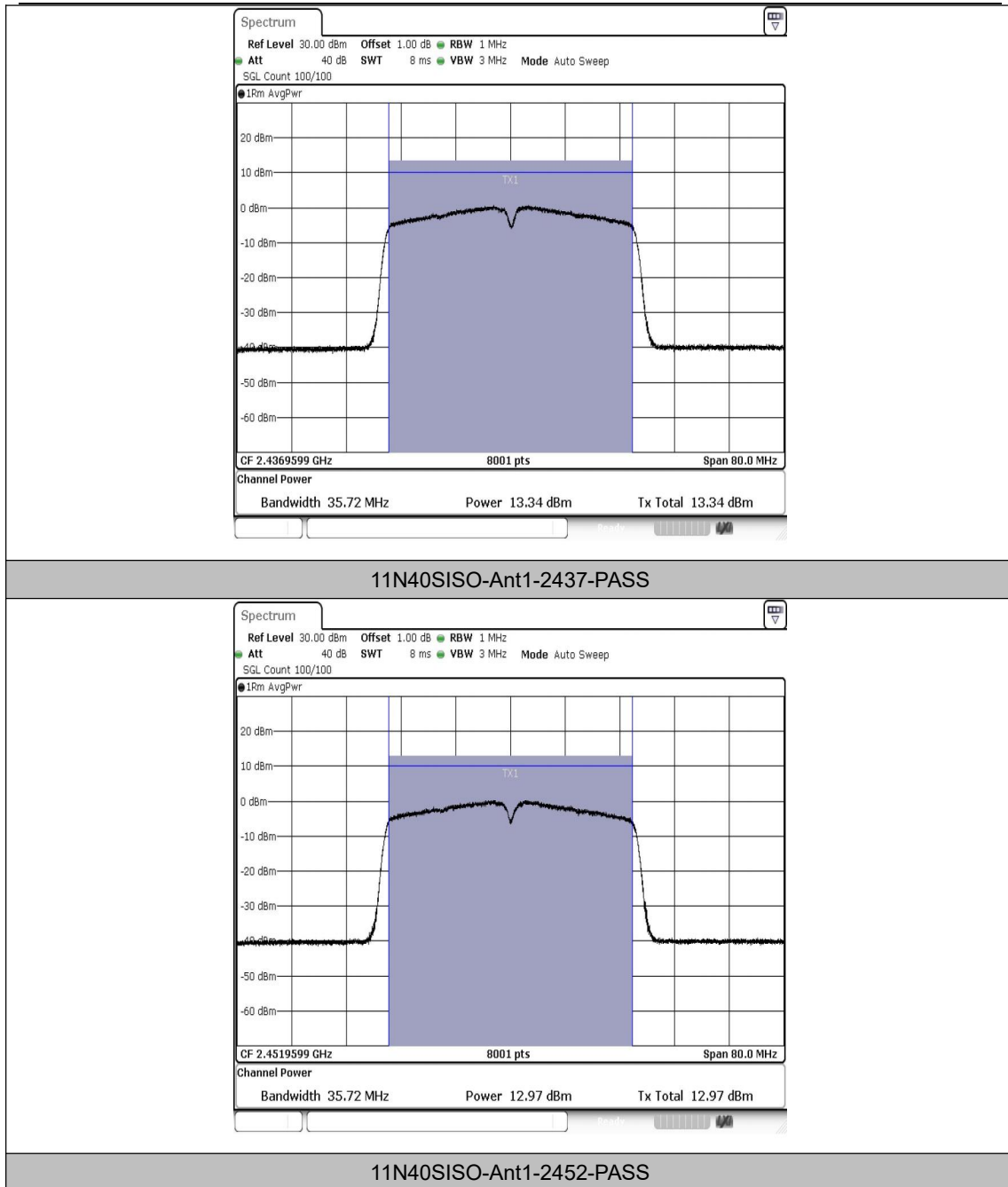


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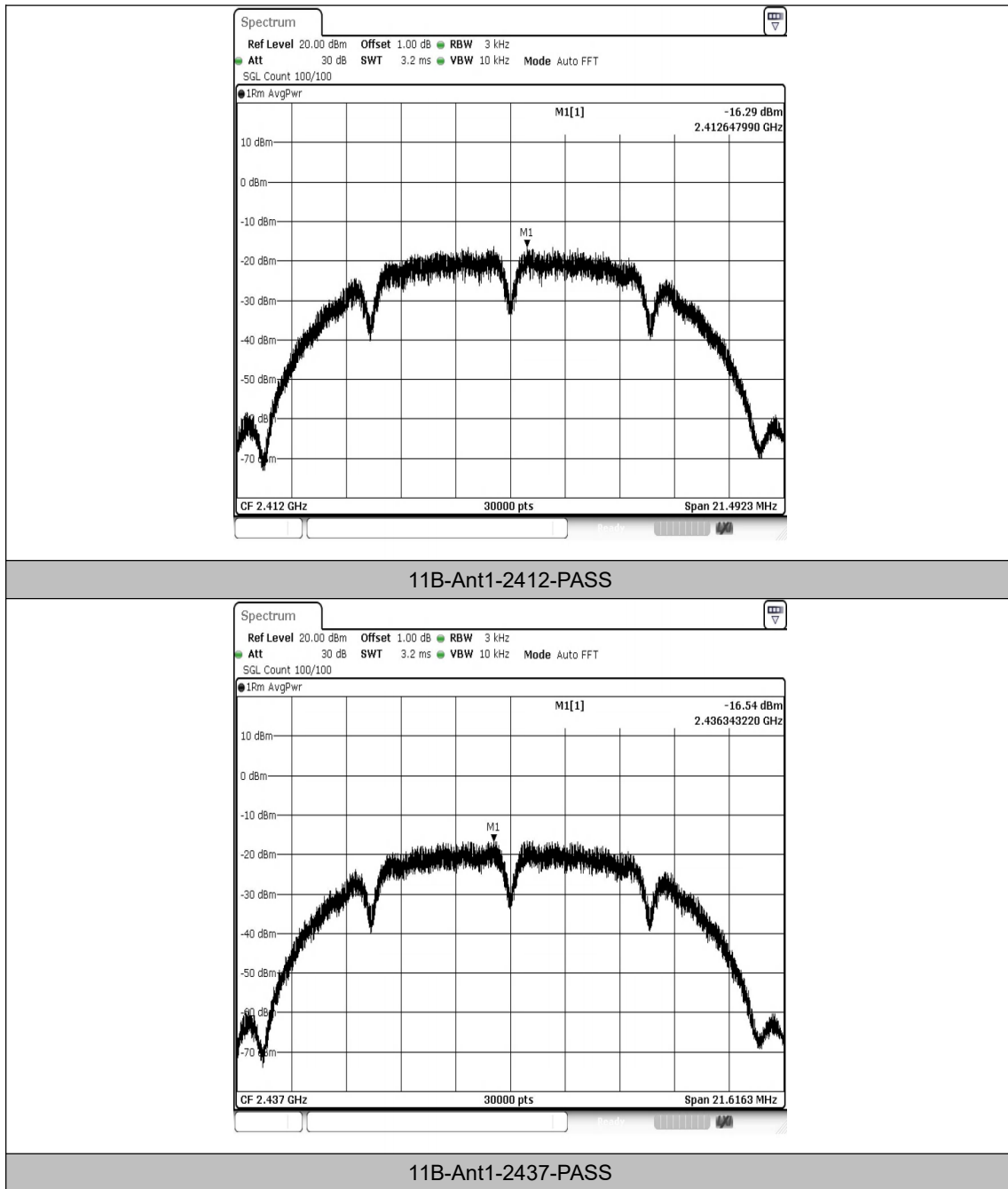
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.29	0.00	-16.29	≤8.00	PASS
11B	Ant1	2437	-16.54	0.00	-16.54	≤8.00	PASS
11B	Ant1	2462	-14.68	0.00	-14.68	≤8.00	PASS
11G	Ant1	2412	-14.23	0.00	-14.23	≤8.00	PASS
11G	Ant1	2437	-14.5	0.00	-14.50	≤8.00	PASS
11G	Ant1	2462	-15.4	0.00	-15.40	≤8.00	PASS
11N20SI SO	Ant1	2412	-13.07	0.00	-13.07	≤8.00	PASS
11N20SI SO	Ant1	2437	-12.73	0.00	-12.73	≤8.00	PASS
11N20SI SO	Ant1	2462	-13.58	0.00	-13.58	≤8.00	PASS
11N40SI SO	Ant1	2422	-16.59	0.00	-16.59	≤8.00	PASS
11N40SI SO	Ant1	2437	-16.47	0.00	-16.47	≤8.00	PASS
11N40SI SO	Ant1	2452	-16.94	0.00	-16.94	≤8.00	PASS

Note: 1. The cable loss are compensated in the graph.

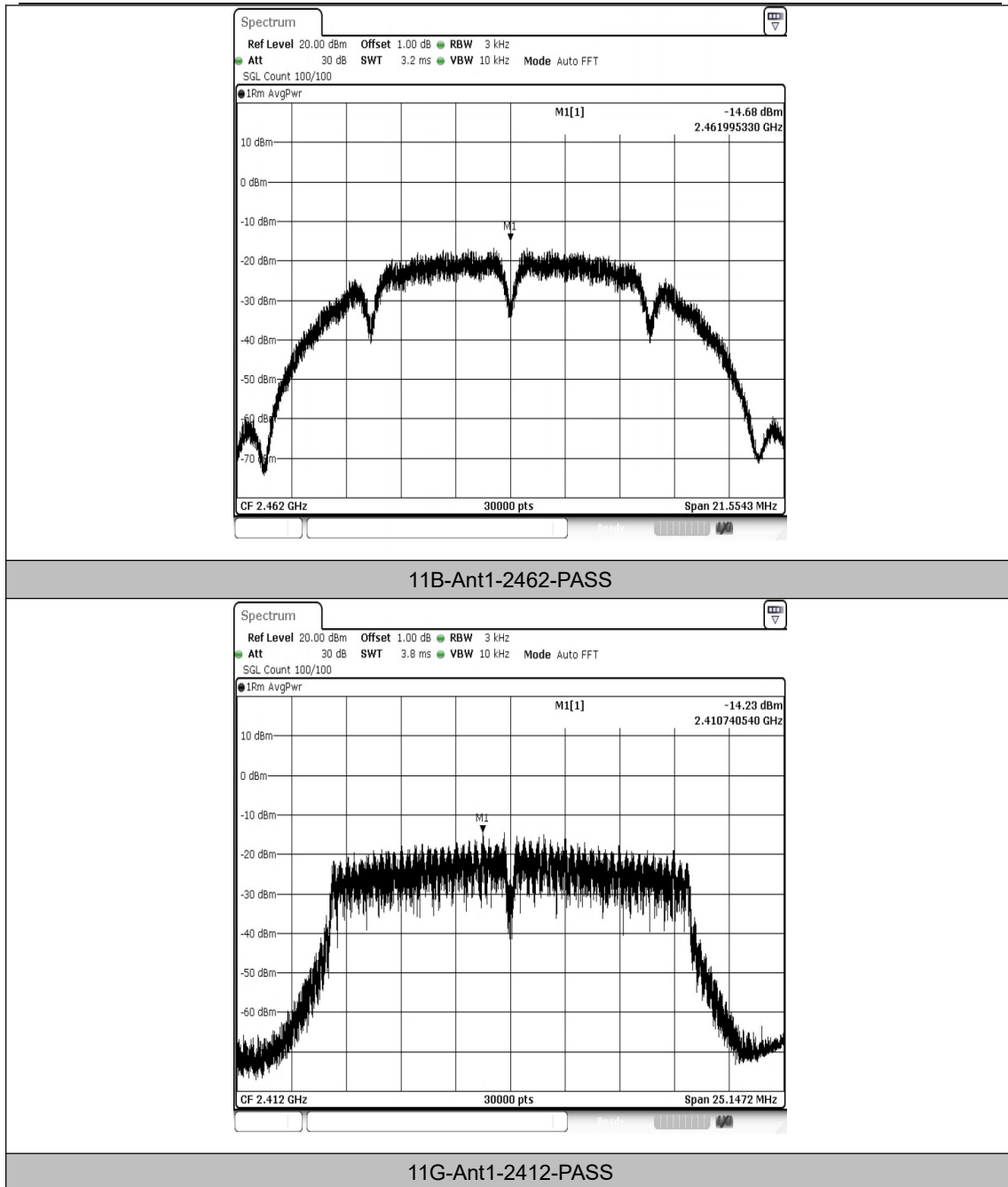
Test Graphs

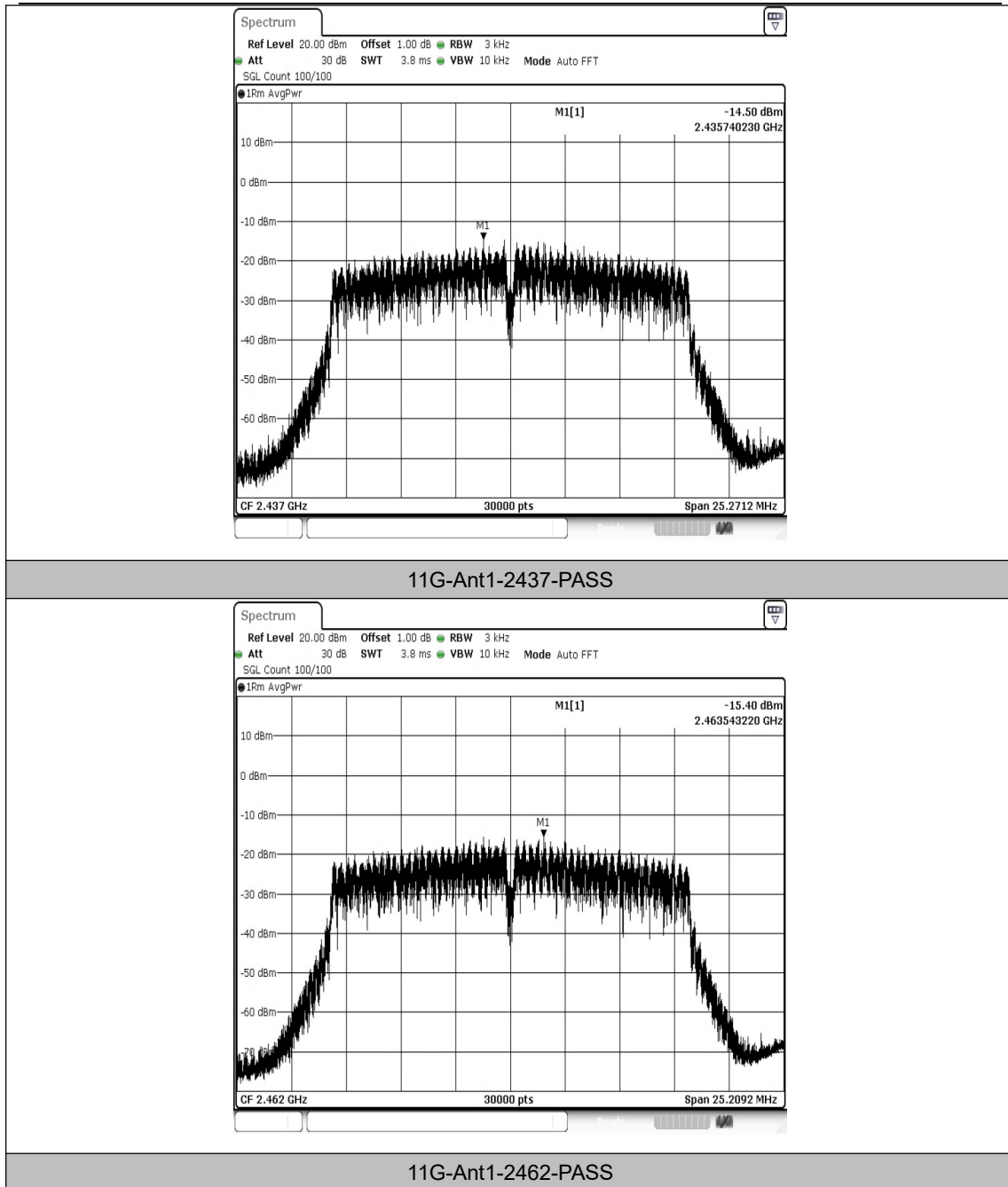


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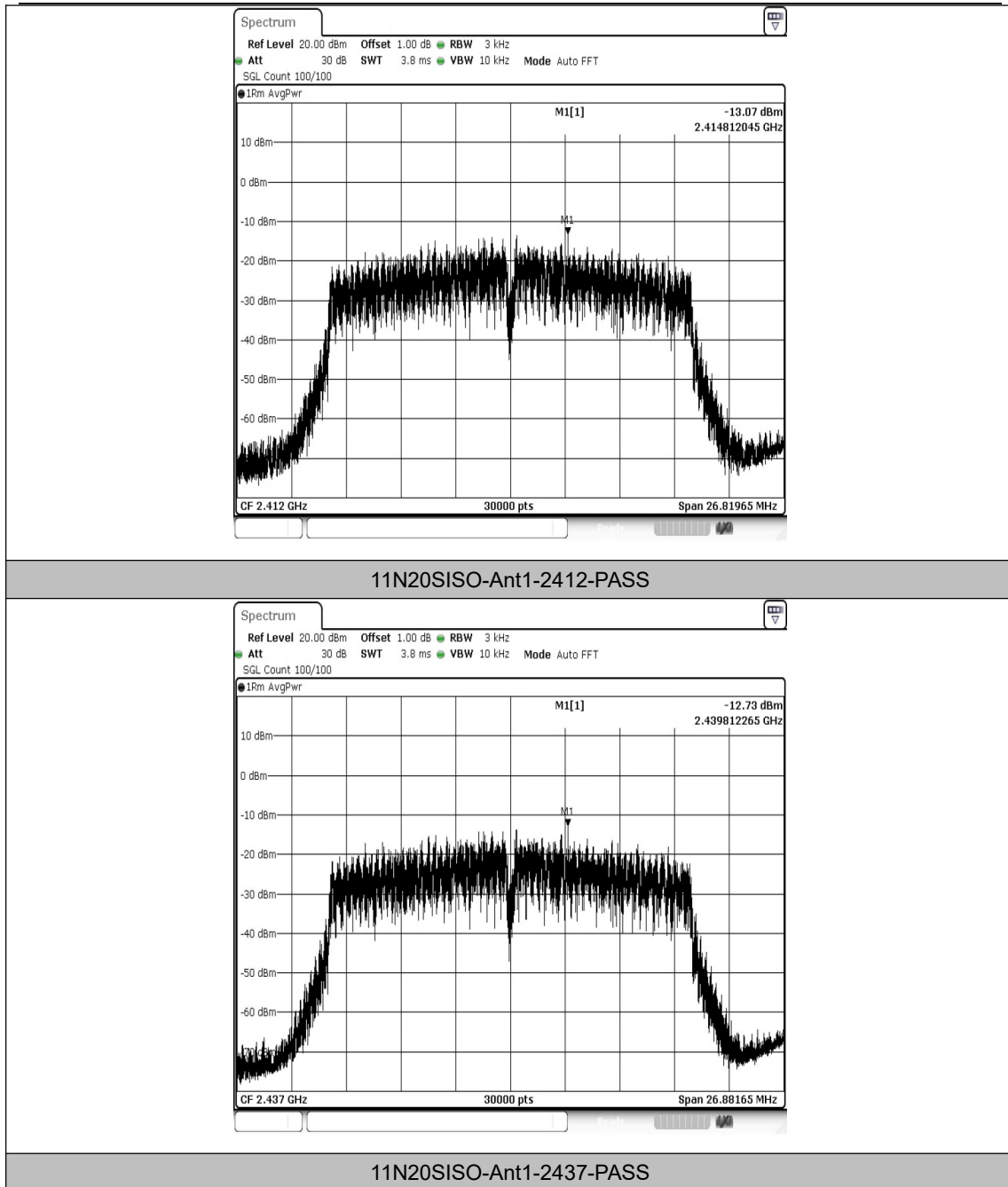




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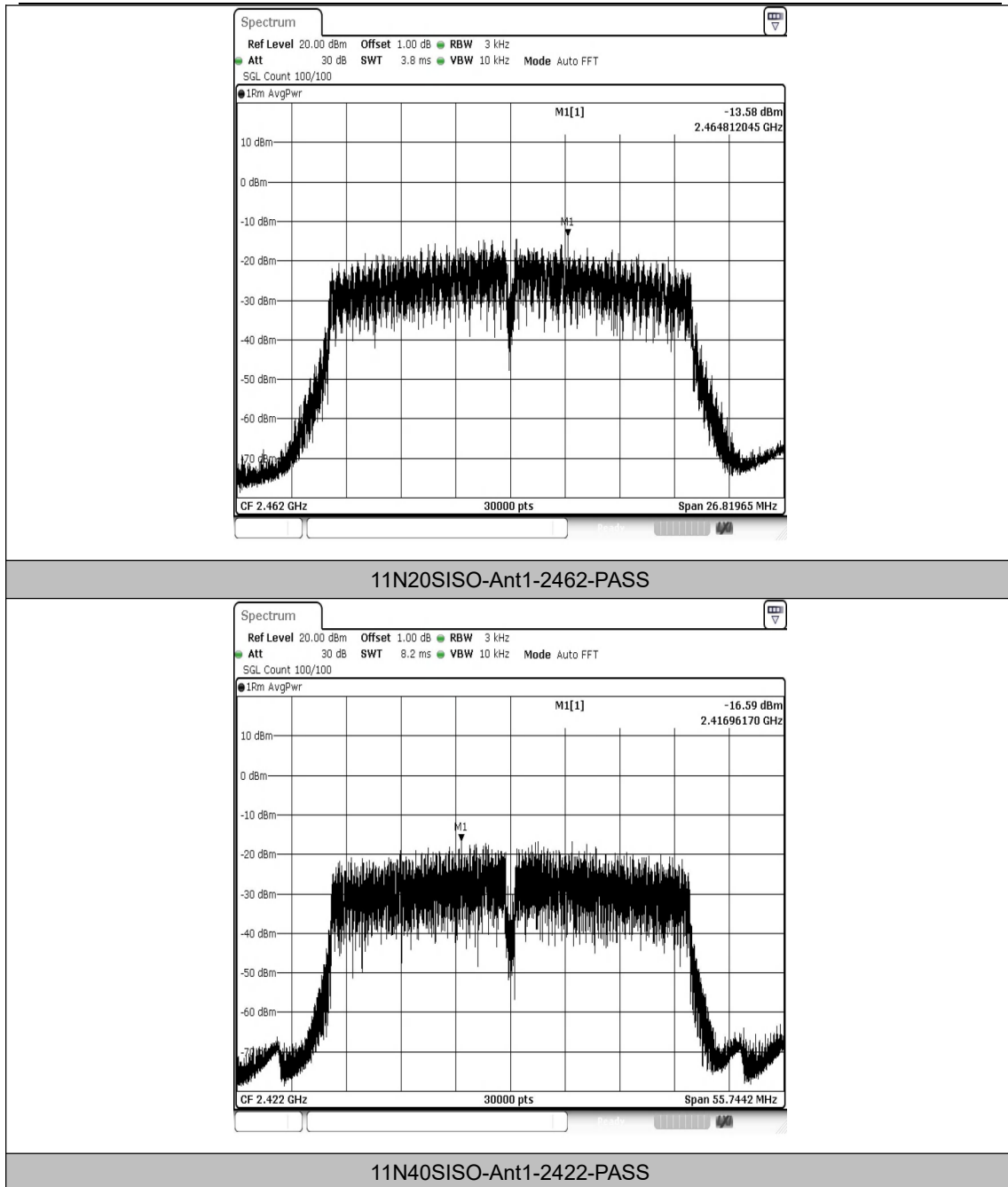
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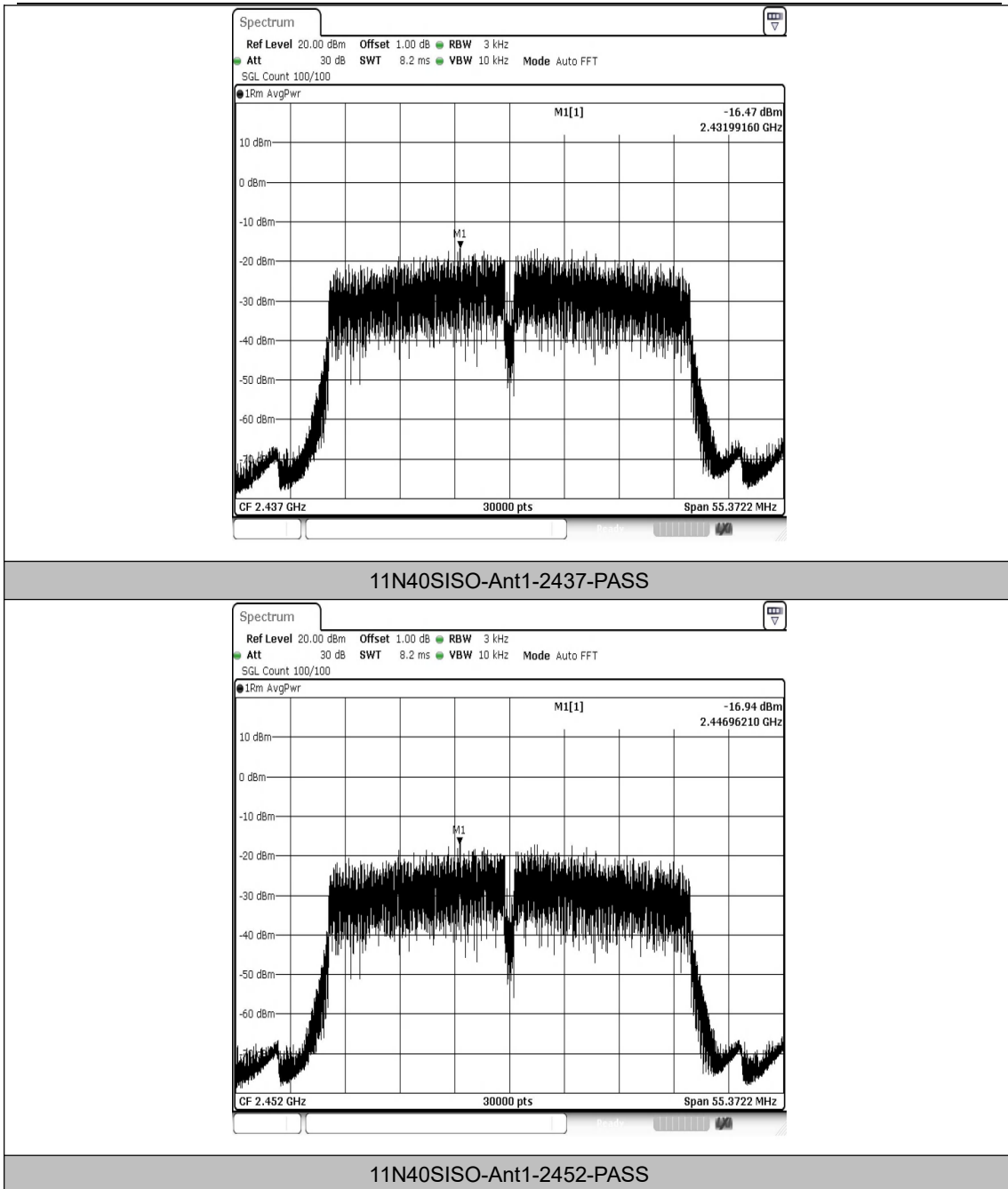
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.46	-43.34	≤-26.54	PASS
11B	Ant1	High	2462	2.28	-56.25	≤-27.72	PASS
11G	Ant1	Low	2412	3.87	-47.41	≤-26.13	PASS
11G	Ant1	High	2462	1.49	-55.29	≤-28.51	PASS
11N20SISO	Ant1	Low	2412	2.64	-47.96	≤-27.36	PASS
11N20SISO	Ant1	High	2462	3.19	-54.88	≤-26.81	PASS
11N40SISO	Ant1	Low	2422	1.11	-48.78	≤-28.89	PASS
11N40SISO	Ant1	High	2452	1.08	-48.58	≤-28.92	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs

