

Appendix Test Data

Report No.:	1814C40138312502	Test Sample No.:	1-2-2
Start Test Date:	2024.11.19	Finish Test Date:	2024.11.25
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.6°C	Relative Humidity:	56.5%
Pressure:	101kPa		

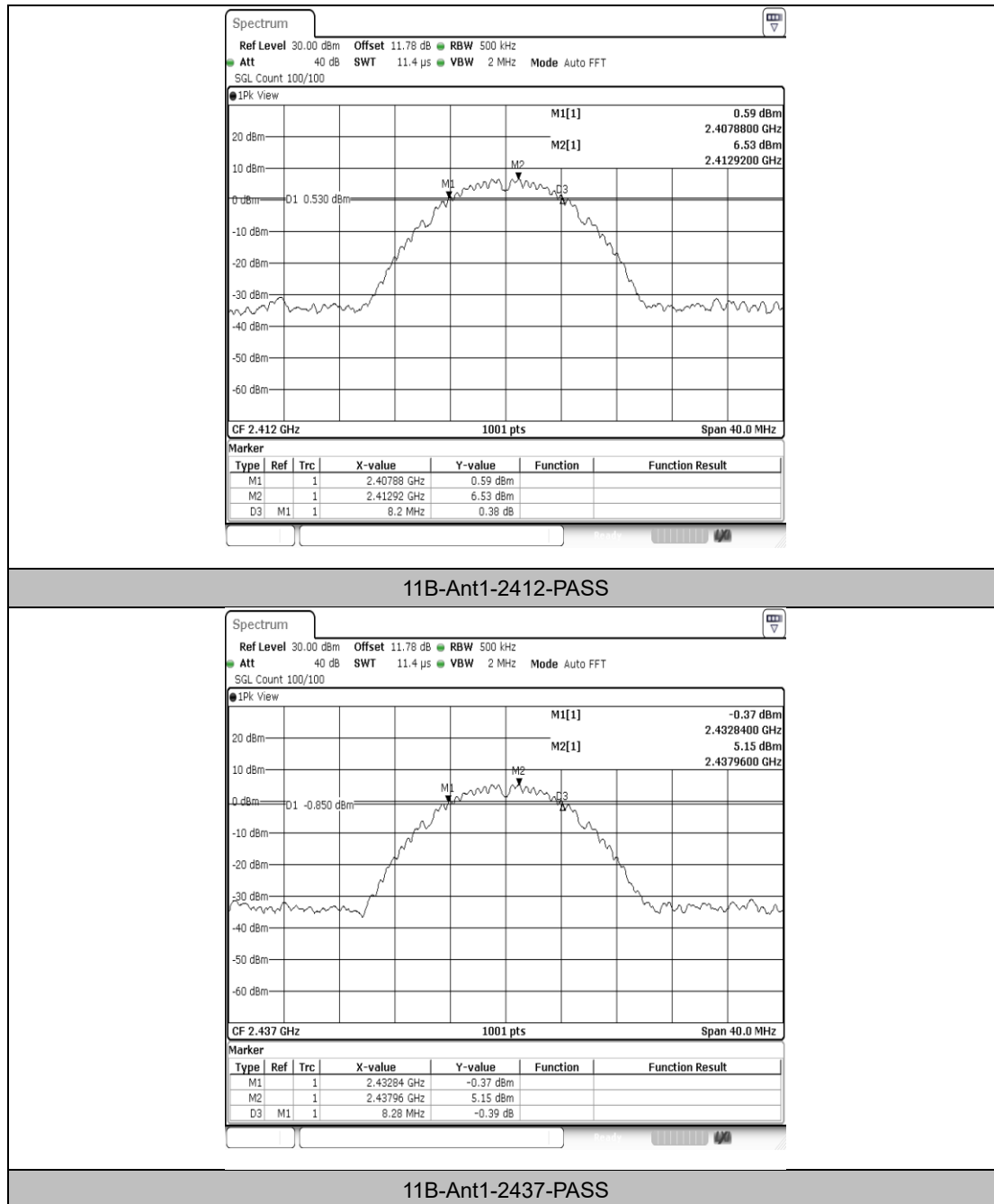
Appendix A: 6dB Bandwidth

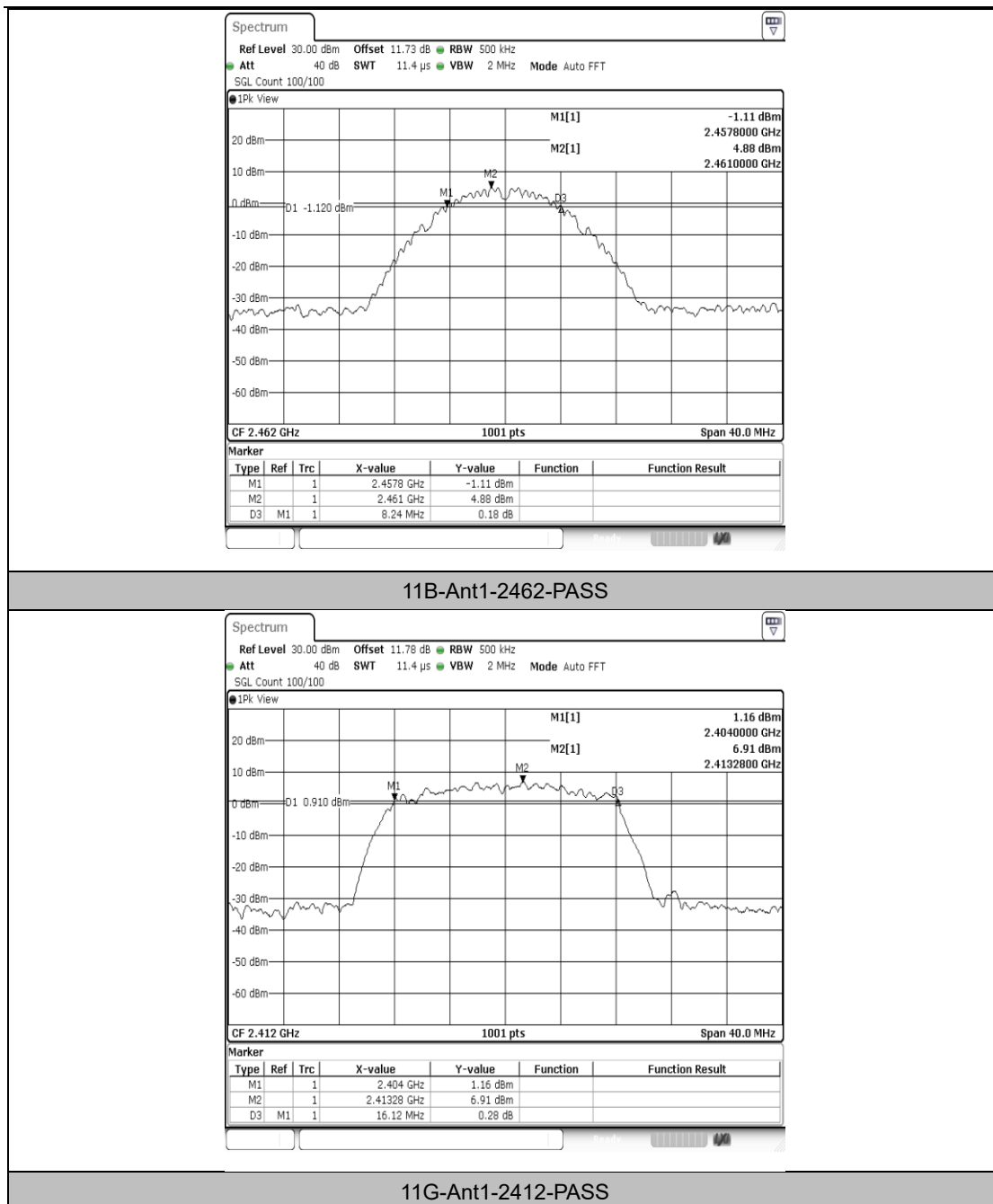
Test Result

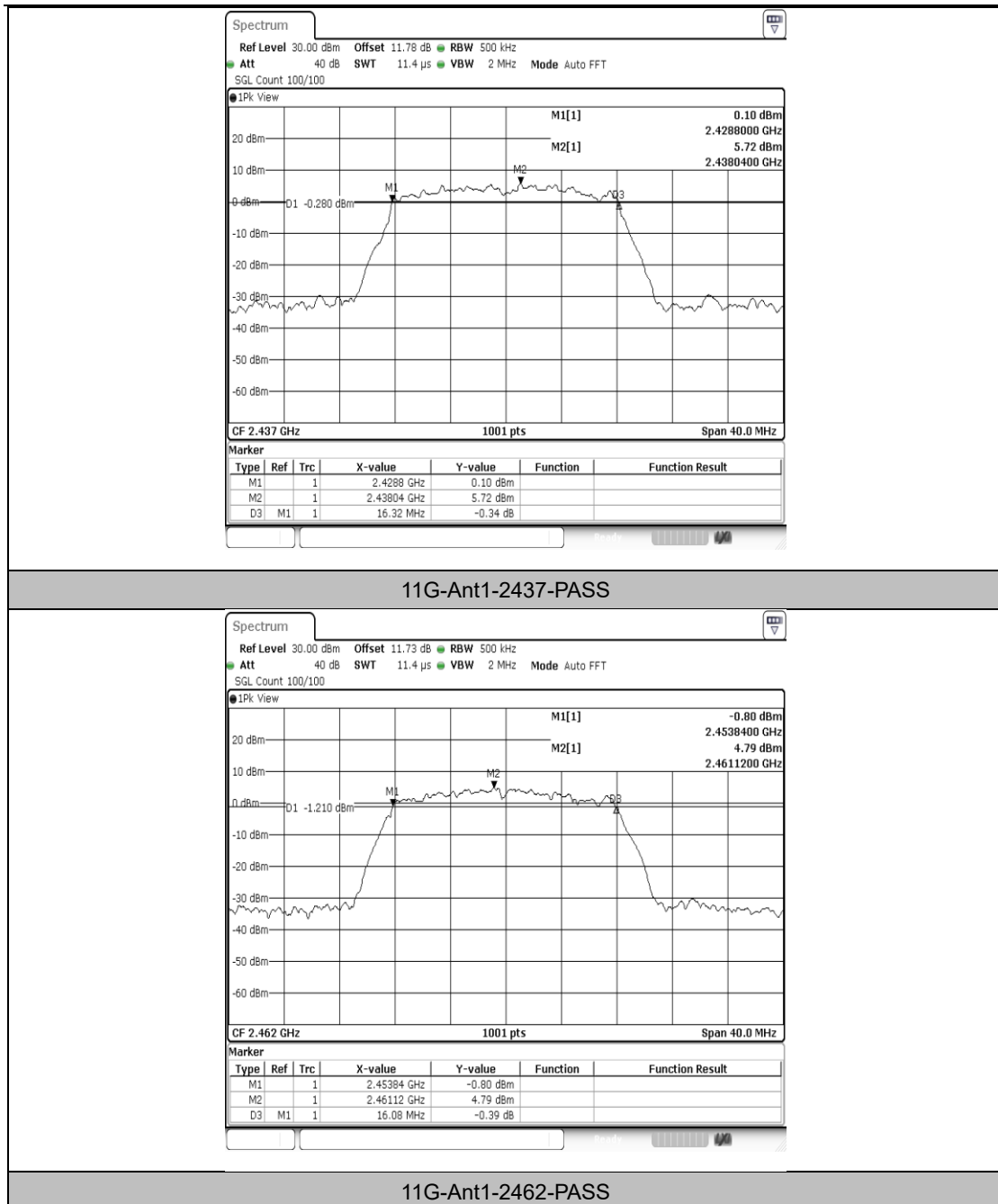
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.20	2407.88	2416.08	0.5	PASS
11B	Ant1	2437	8.28	2432.84	2441.12	0.5	PASS
11B	Ant1	2462	8.24	2457.80	2466.04	0.5	PASS
11G	Ant1	2412	16.12	2404.00	2420.12	0.5	PASS
11G	Ant1	2437	16.32	2428.80	2445.12	0.5	PASS
11G	Ant1	2462	16.08	2453.84	2469.92	0.5	PASS
11N20SISO	Ant1	2412	16.88	2403.72	2420.60	0.5	PASS
11N20SISO	Ant1	2437	17.20	2428.20	2445.40	0.5	PASS
11N20SISO	Ant1	2462	16.84	2453.56	2470.40	0.5	PASS

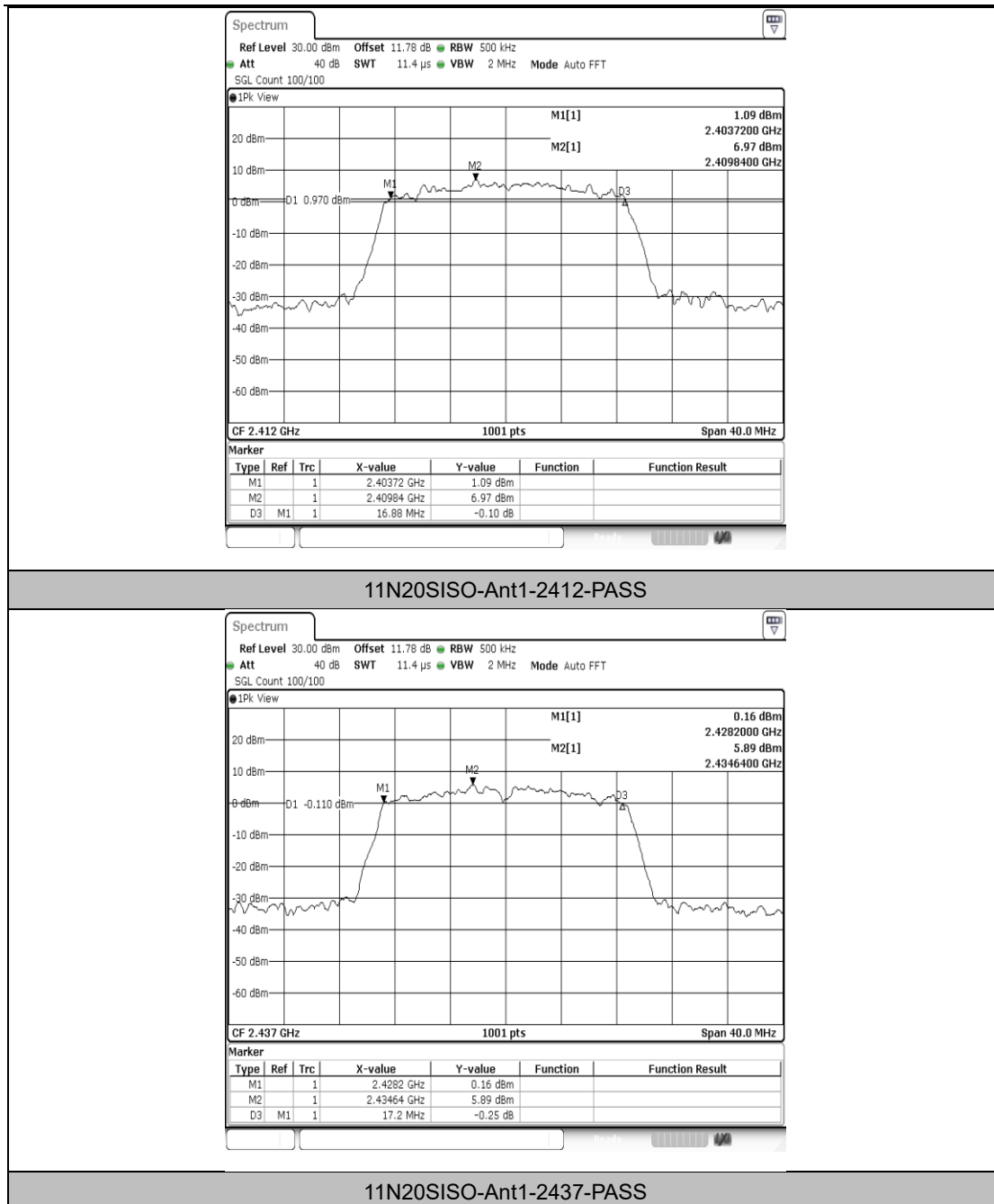


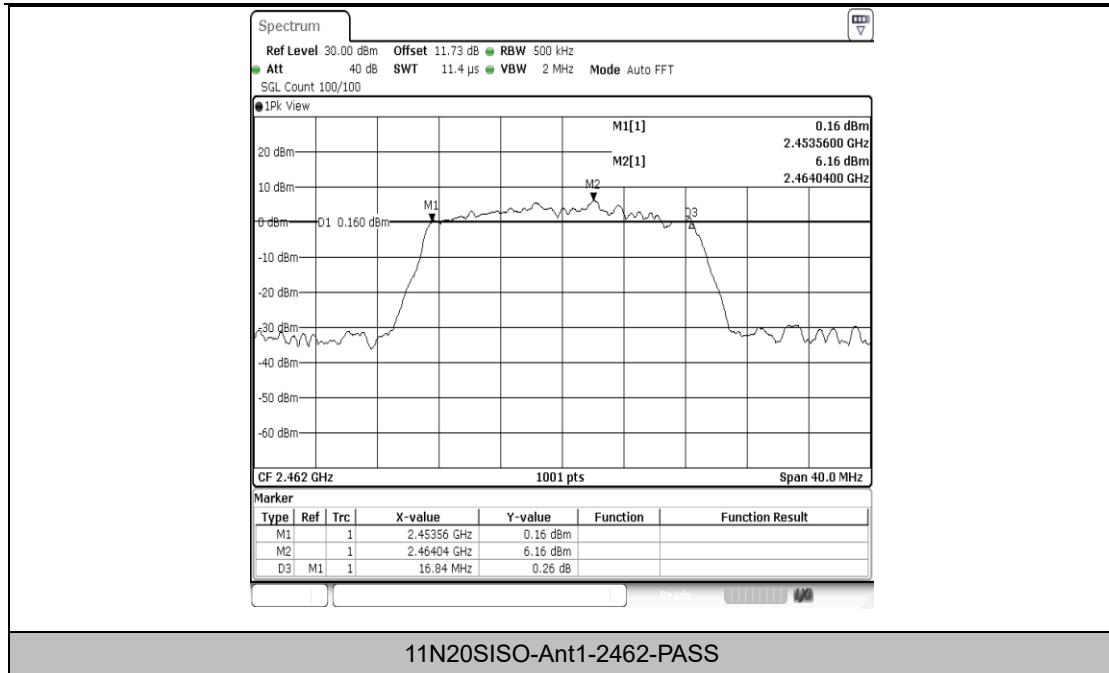
Test Graphs











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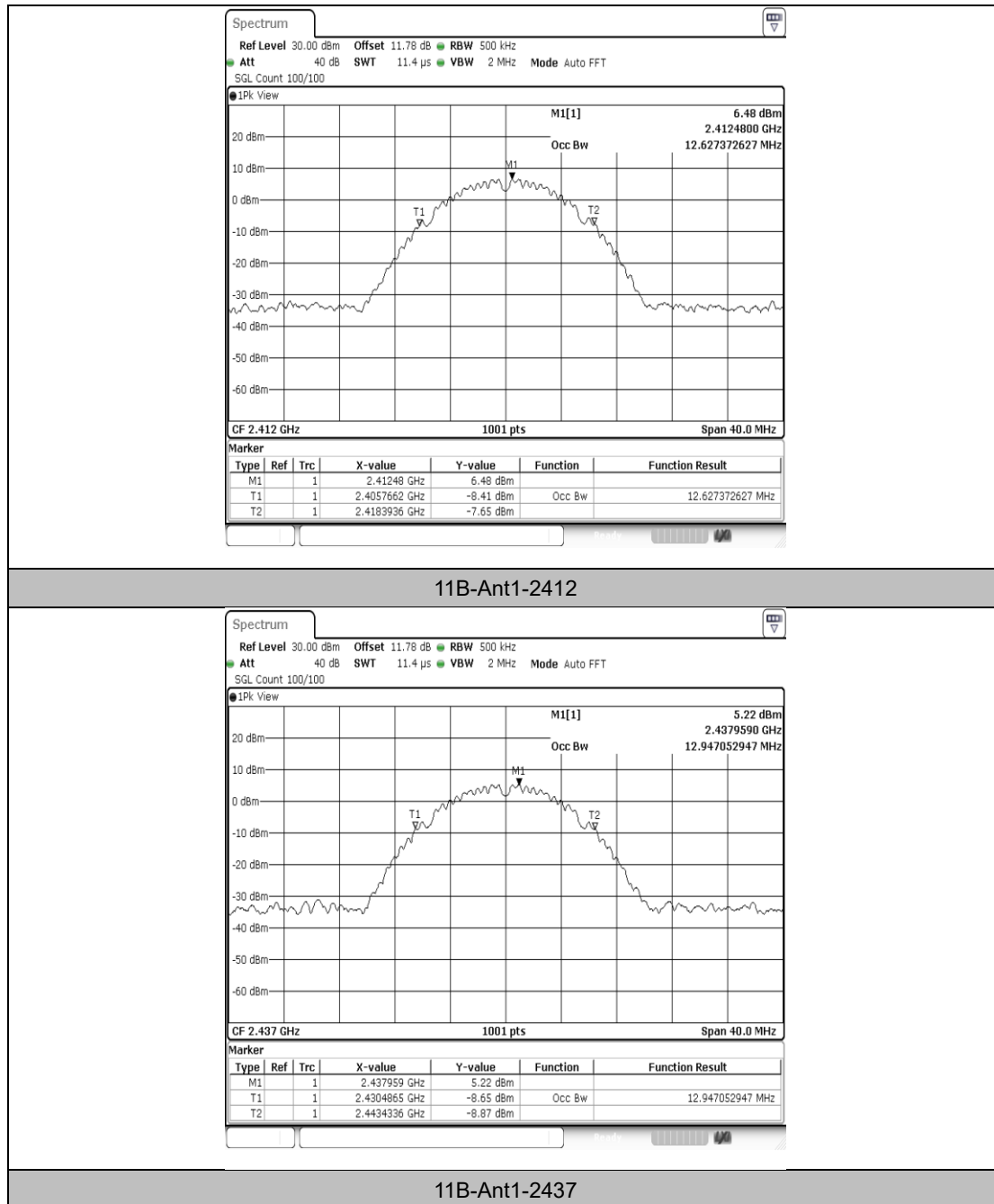
Appendix B: 99% Occupied Bandwidth

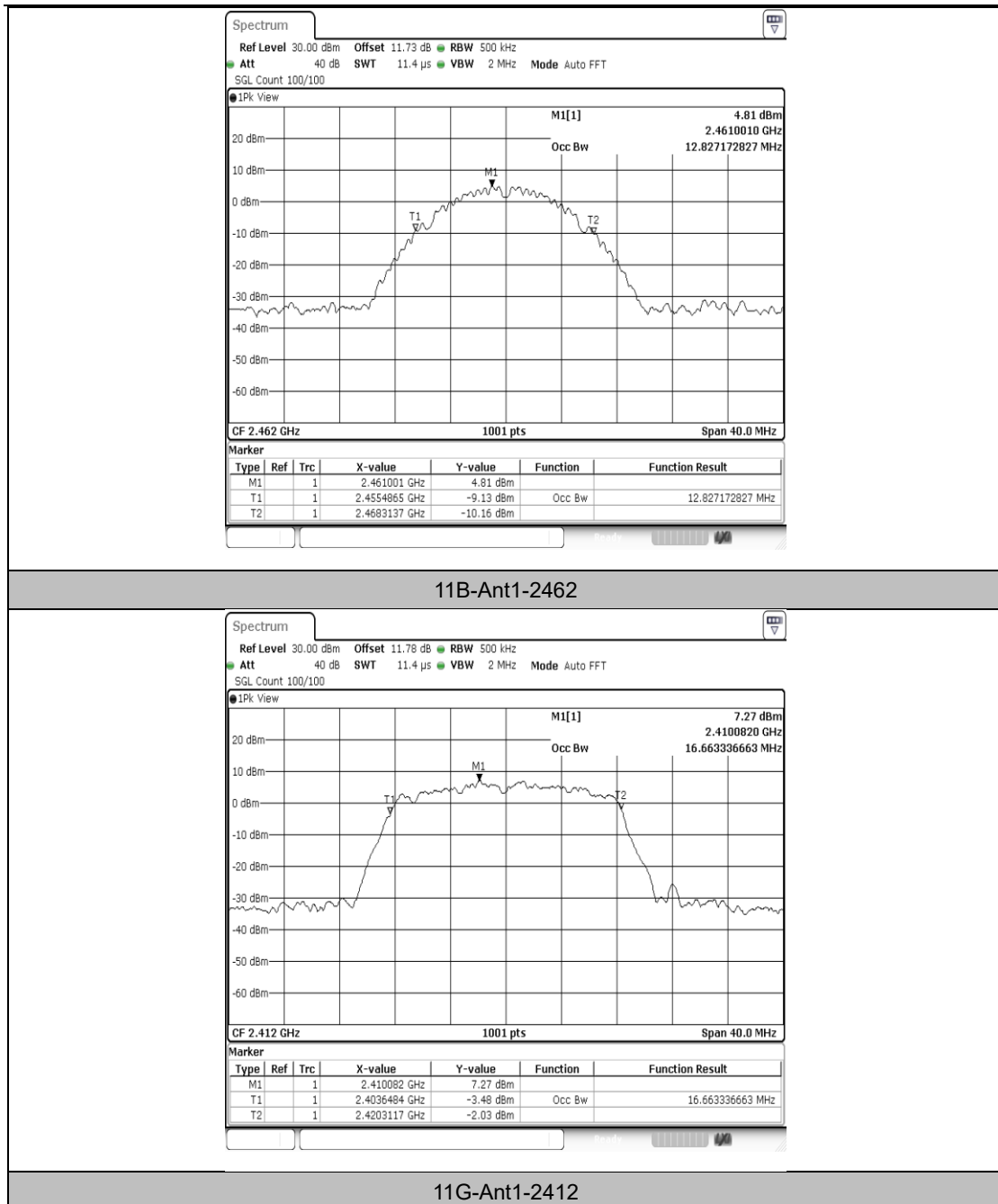
Test Result

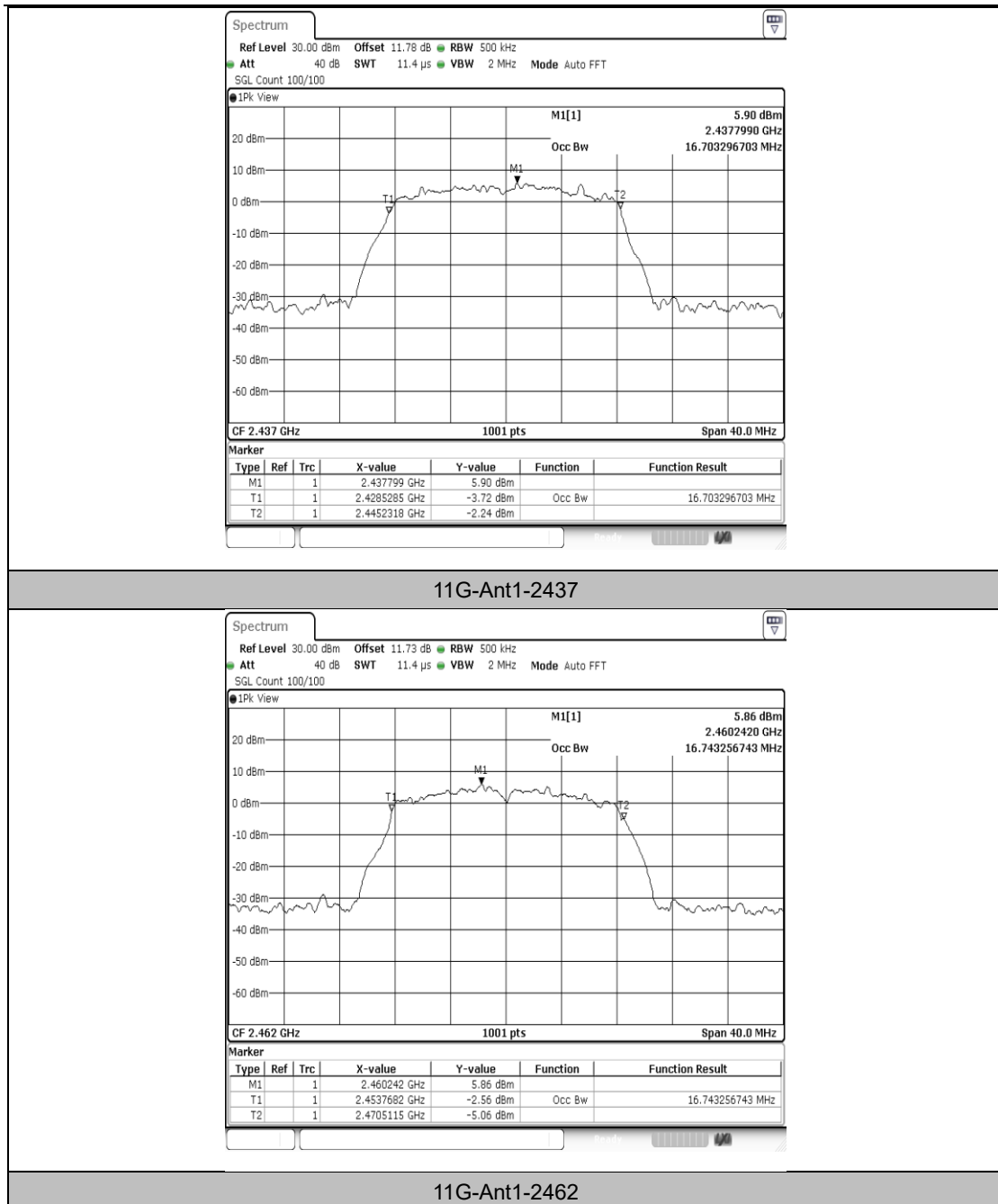
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.627	2405.7662	2418.3936	---	---
11B	Ant1	2437	12.947	2430.4865	2443.4336	---	---
11B	Ant1	2462	12.827	2455.4865	2468.3137	---	---
11G	Ant1	2412	16.663	2403.6484	2420.3117	---	---
11G	Ant1	2437	16.703	2428.5285	2445.2318	---	---
11G	Ant1	2462	16.743	2453.7682	2470.5115	---	---
11N20SISO	Ant1	2412	17.822	2403.1289	2420.9510	---	---
11N20SISO	Ant1	2437	17.582	2428.1289	2445.7113	---	---
11N20SISO	Ant1	2462	17.702	2453.0889	2470.7912	---	---

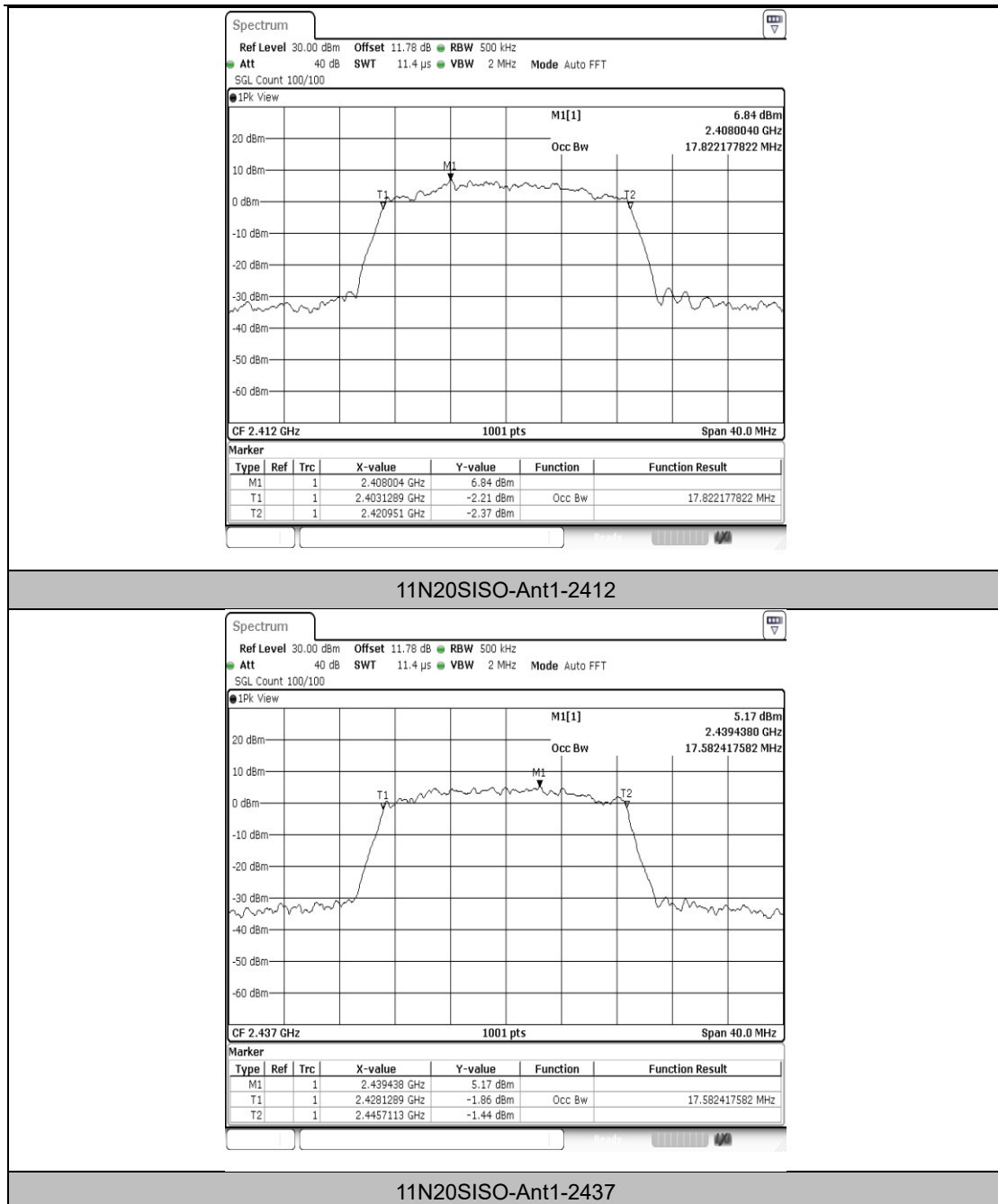


Test Graphs











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Appendix C: Maximum conducted output power

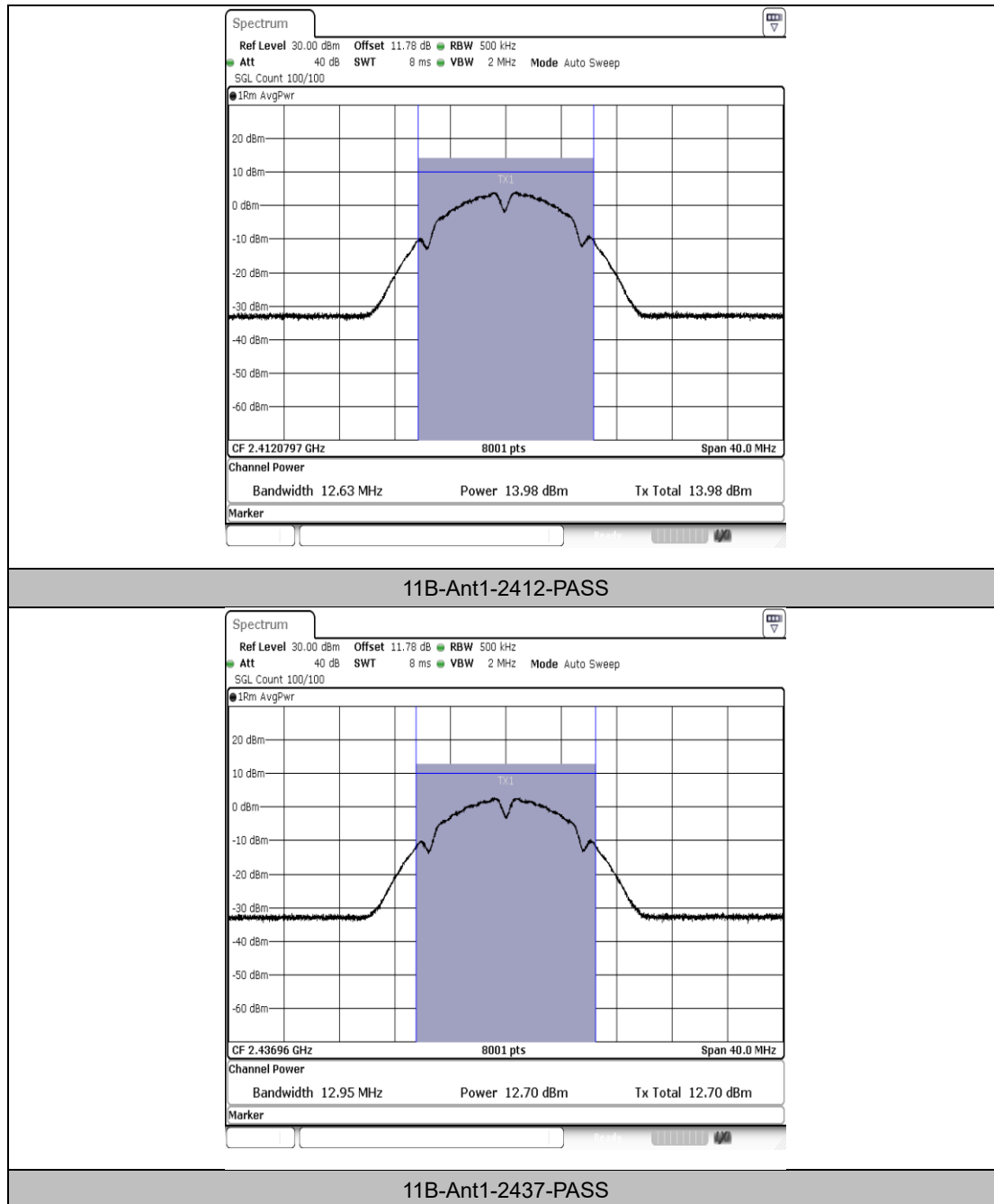
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	13.98	94.17	0.60	14.58	≤30.00	PASS
11B	Ant1	2437	NA	12.70	94.06	0.64	13.34	≤30.00	PASS
11B	Ant1	2462	NA	12.22	94.16	0.65	12.87	≤30.00	PASS
11G	Ant1	2412	NA	12.61	71.43	1.46	14.07	≤30.00	PASS
11G	Ant1	2437	NA	11.54	71.79	1.44	12.98	≤30.00	PASS
11G	Ant1	2462	NA	10.96	70.20	1.54	12.50	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.39	69.89	1.56	13.95	≤30.00	PASS
11N20SISO	Ant1	2437	NA	11.28	69.89	1.56	12.84	≤30.00	PASS
11N20SISO	Ant1	2462	NA	10.84	69.89	1.56	12.40	≤30.00	PASS

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



Test Graphs Average



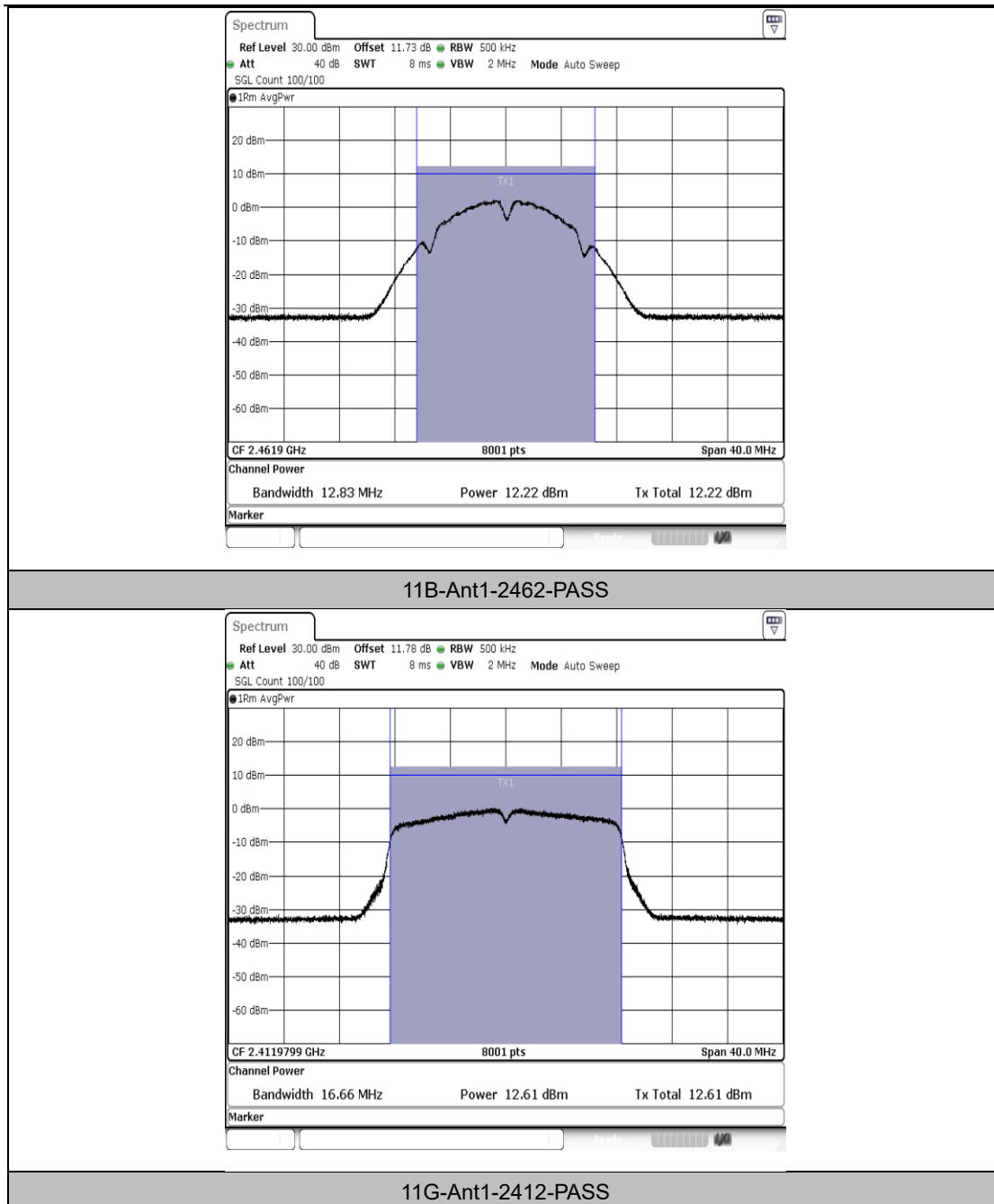
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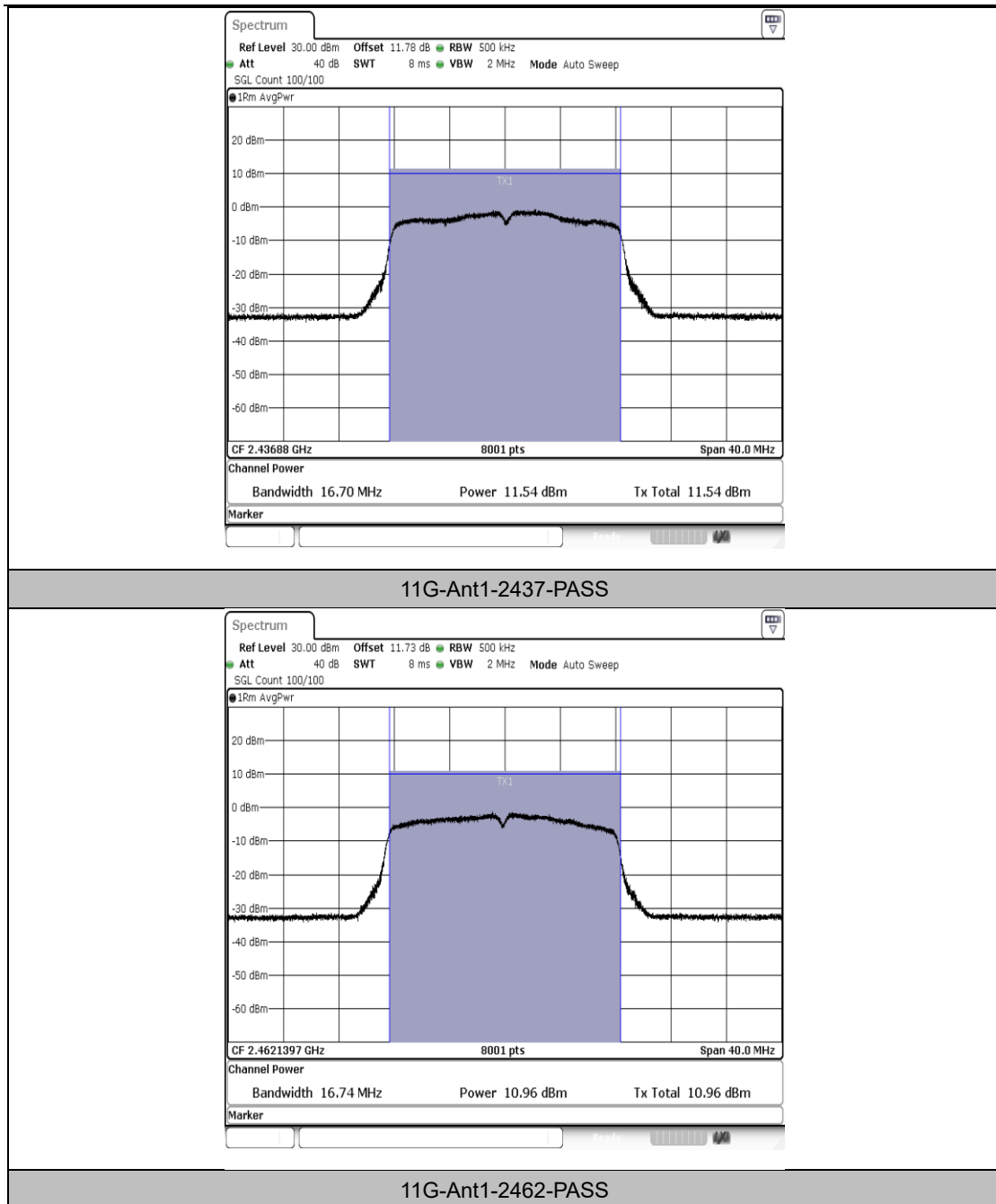
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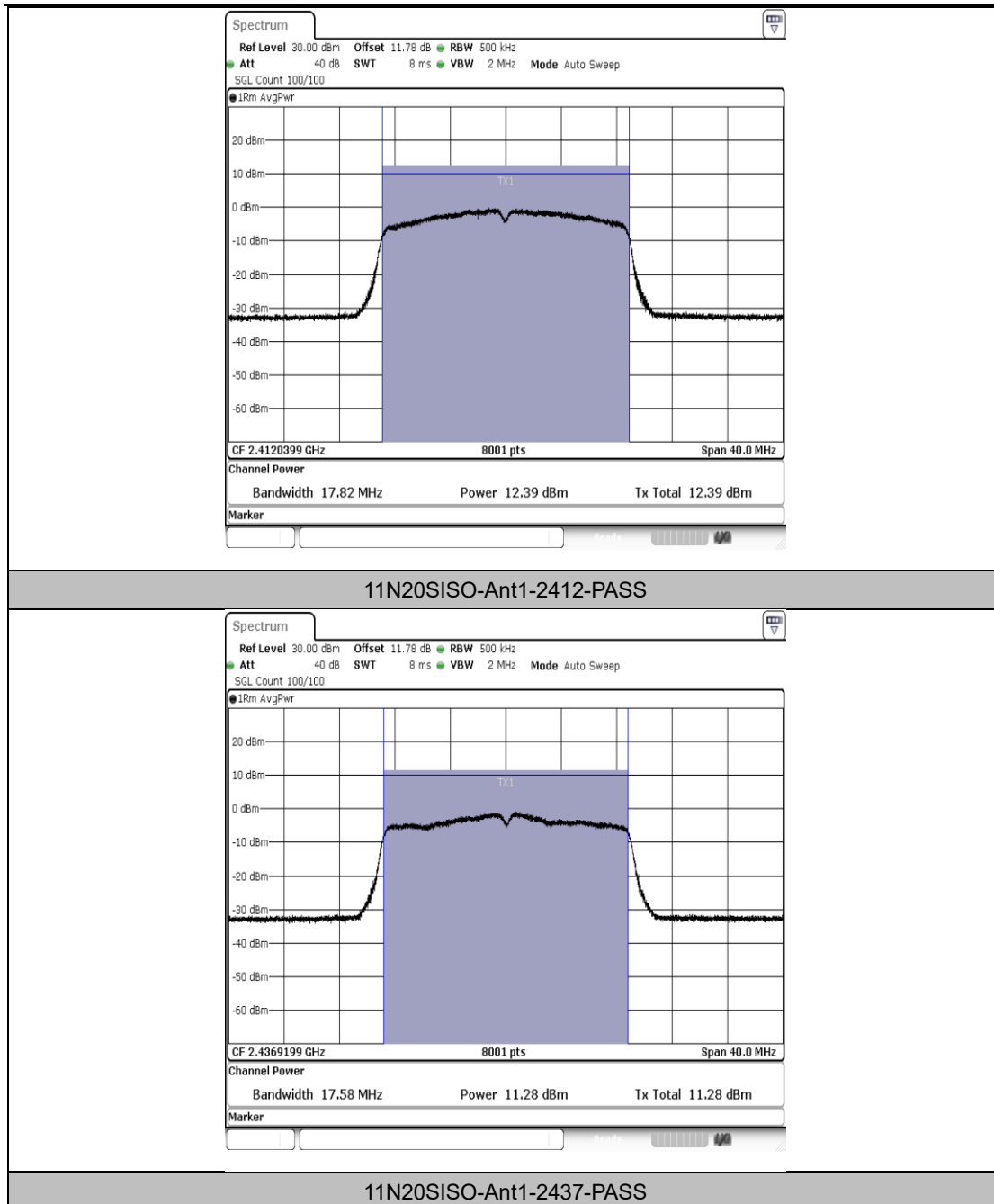
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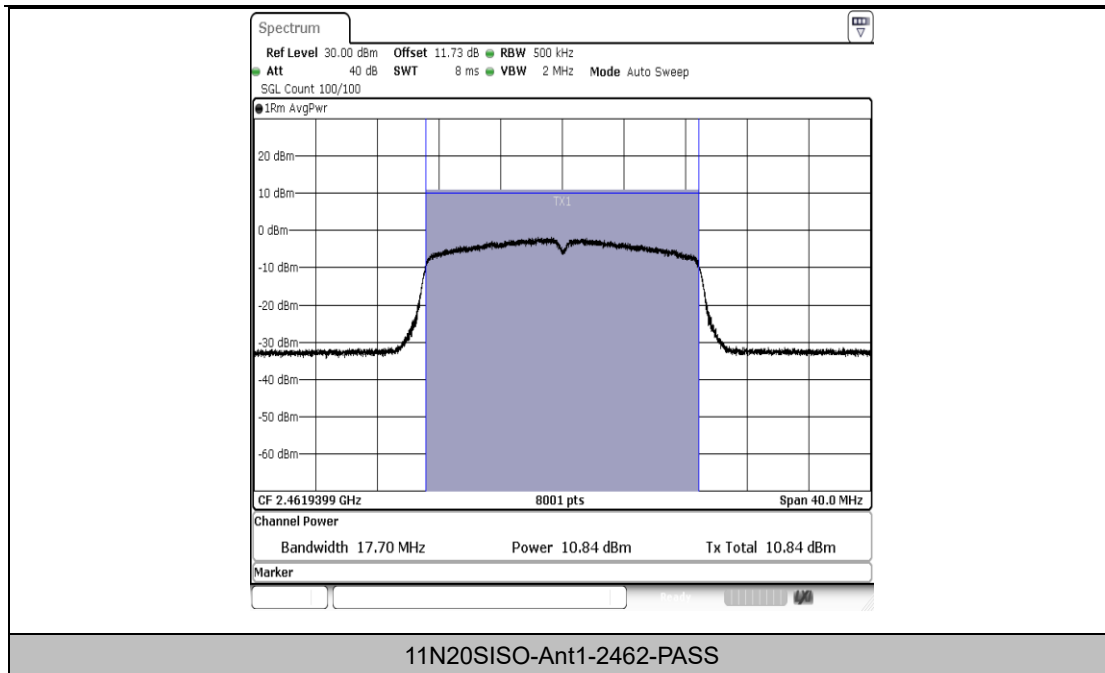


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Appendix D: Maximum power spectral density

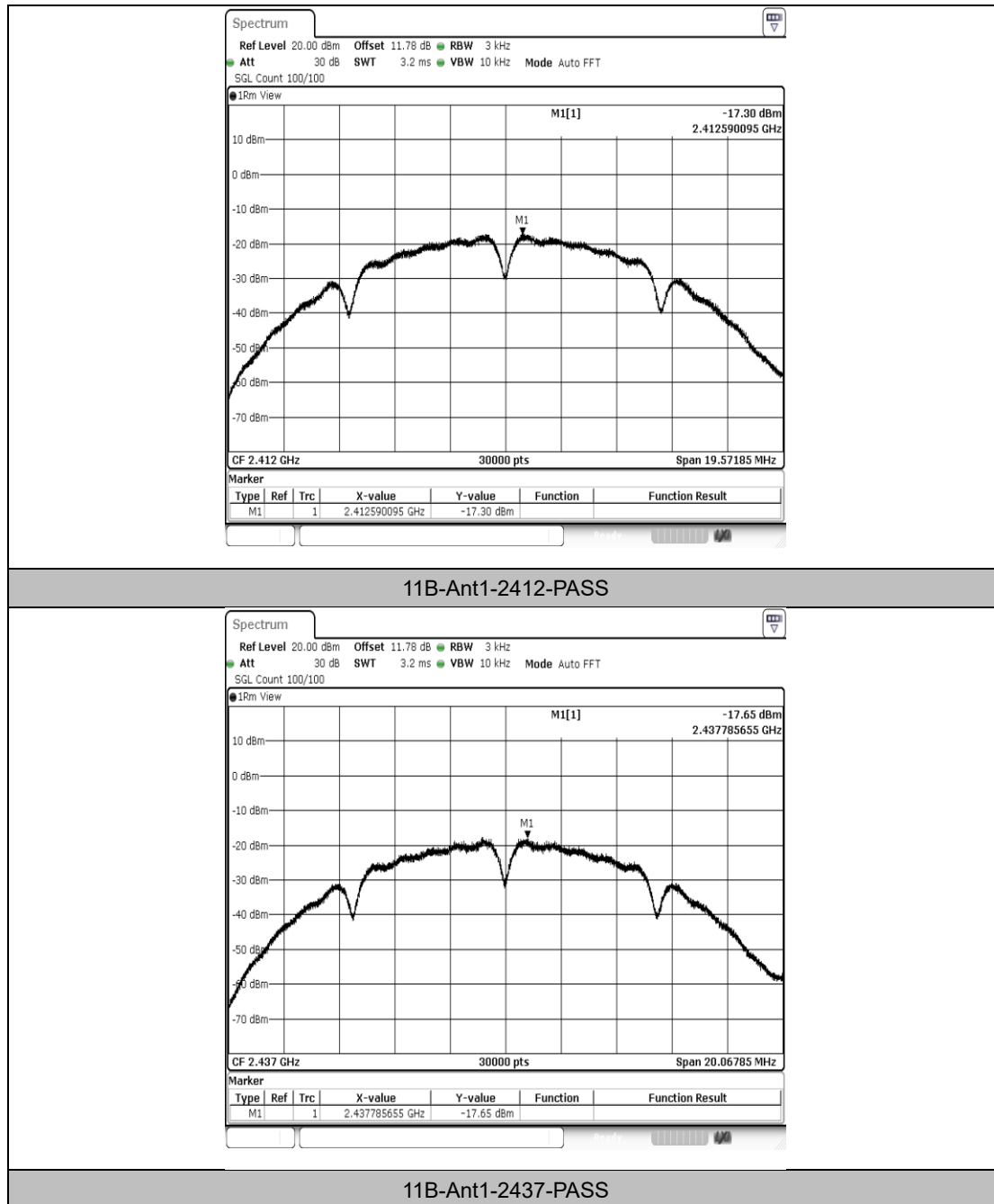
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-17.3	0.60	-17.04	≤8.00	PASS
11B	Ant1	2437	-17.65	0.64	-17.38	≤8.00	PASS
11B	Ant1	2462	-18.87	0.65	-18.61	≤8.00	PASS
11G	Ant1	2412	-19.98	1.46	-18.52	≤8.00	PASS
11G	Ant1	2437	-20.94	1.44	-19.50	≤8.00	PASS
11G	Ant1	2462	-21.52	1.54	-19.98	≤8.00	PASS
11N20SISO	Ant1	2412	-20.49	1.56	-18.93	≤8.00	PASS
11N20SISO	Ant1	2437	-21.27	1.56	-19.71	≤8.00	PASS
11N20SISO	Ant1	2462	-22.39	1.56	-20.83	≤8.00	PASS

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



Test Graphs

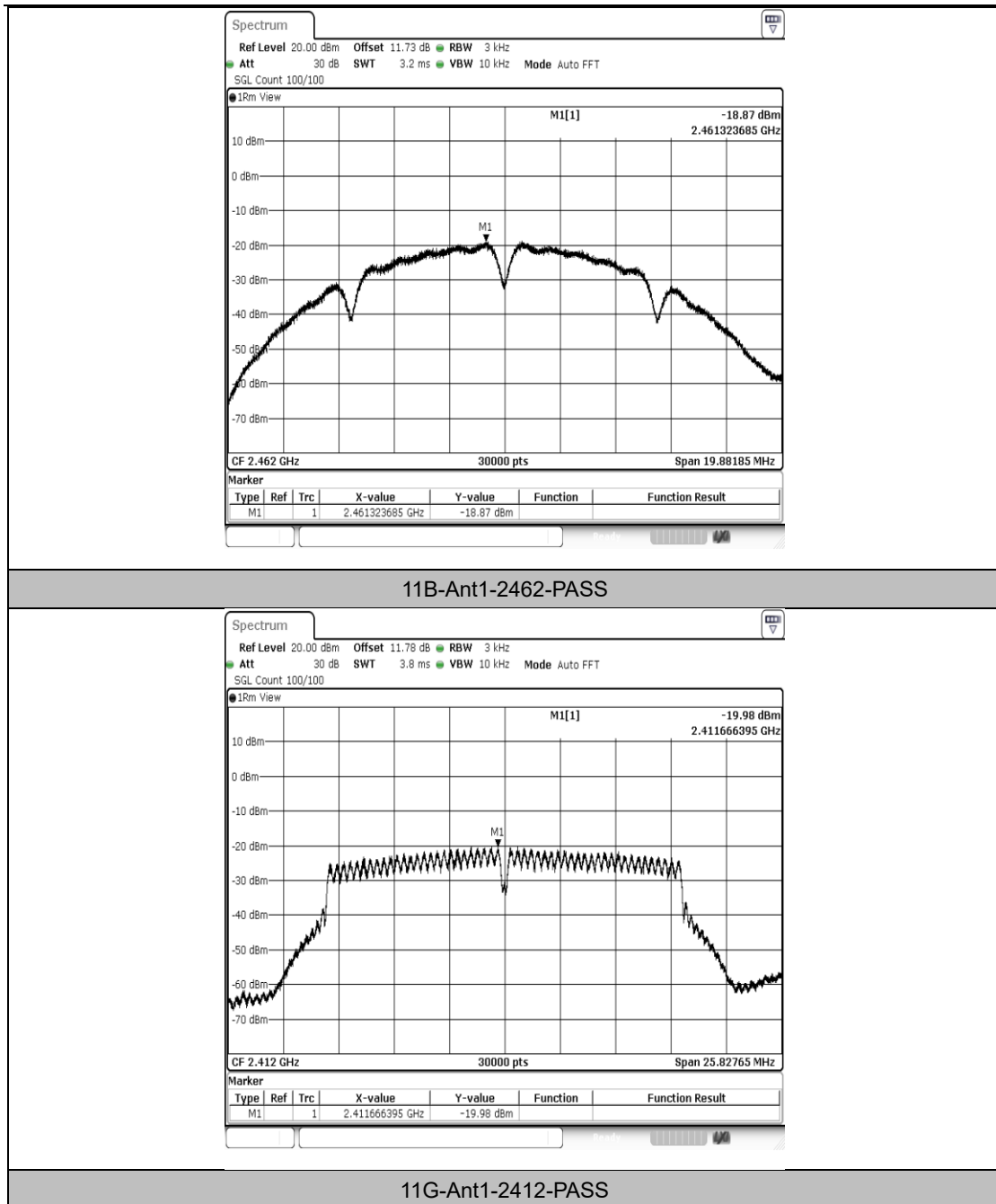


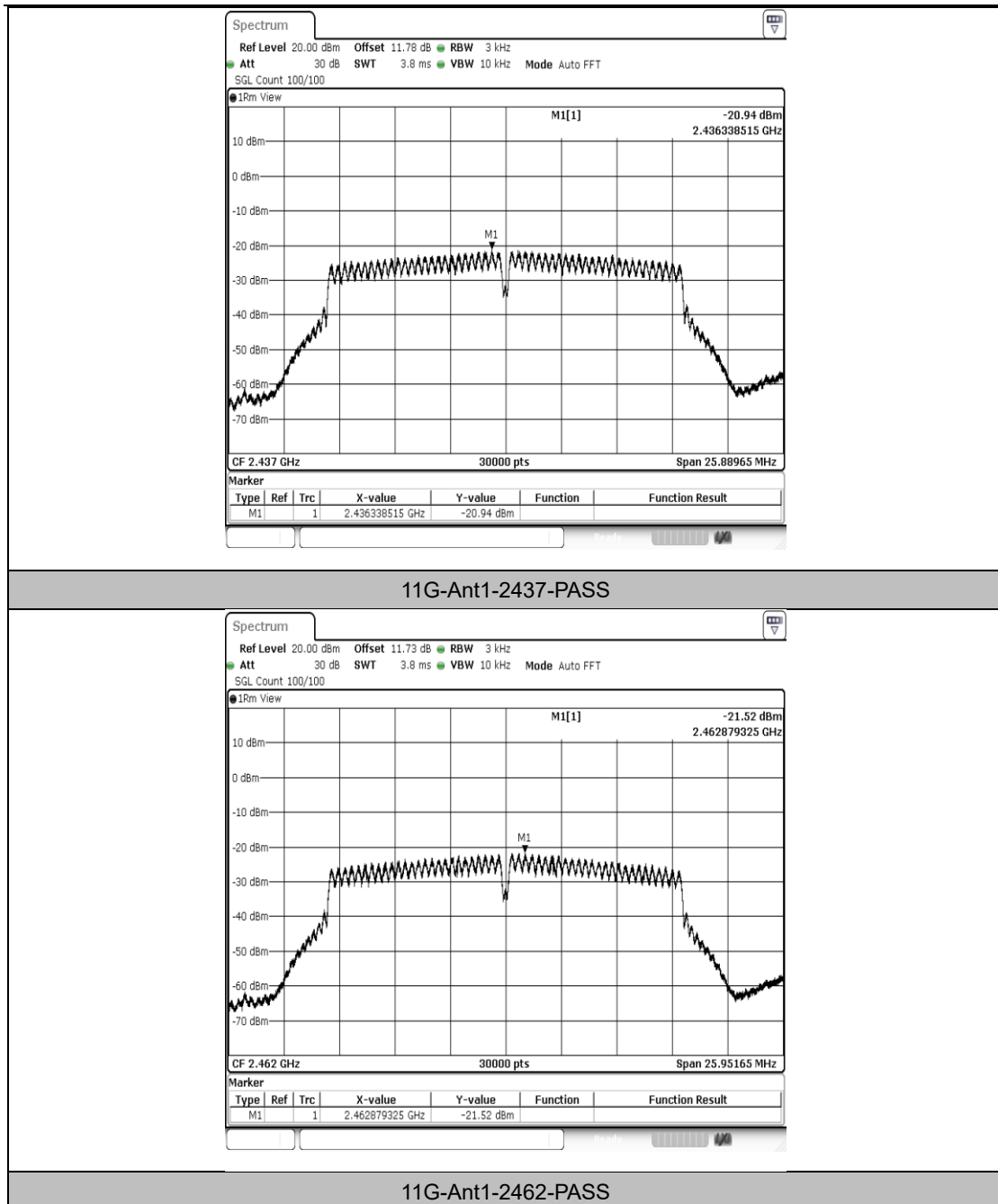
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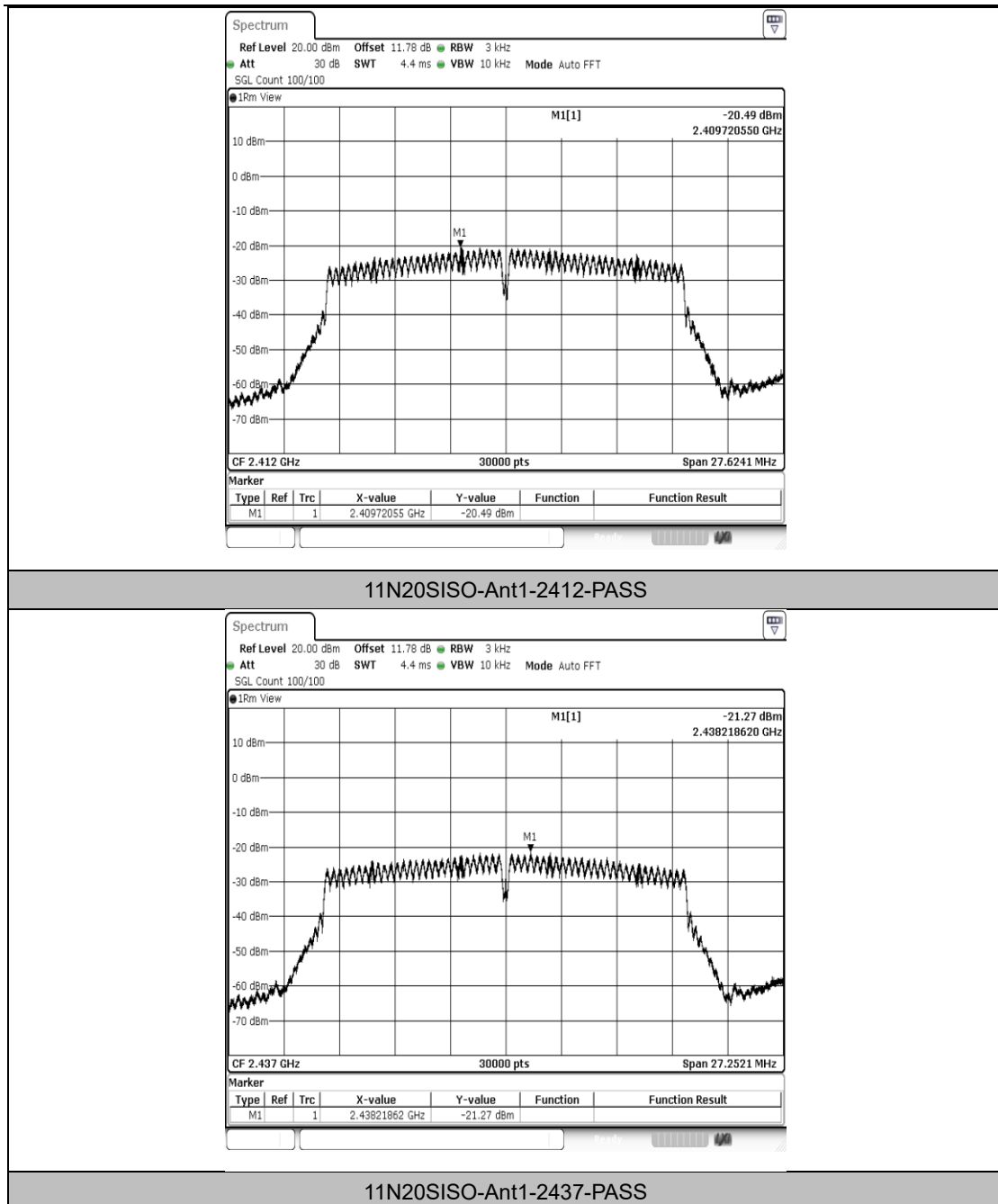
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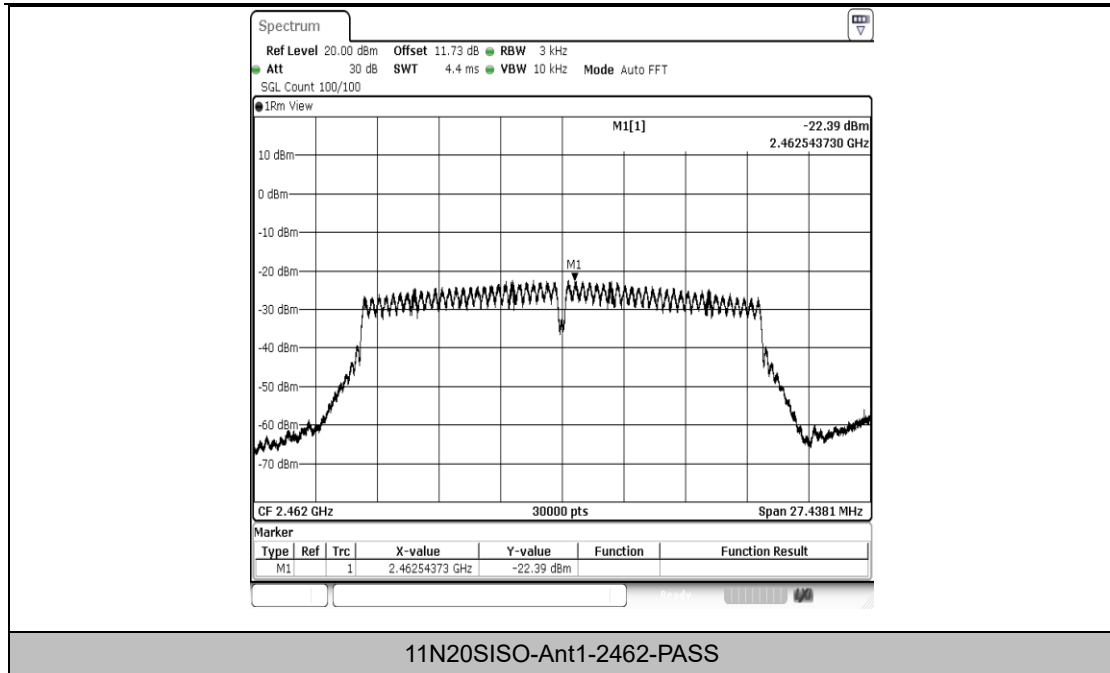
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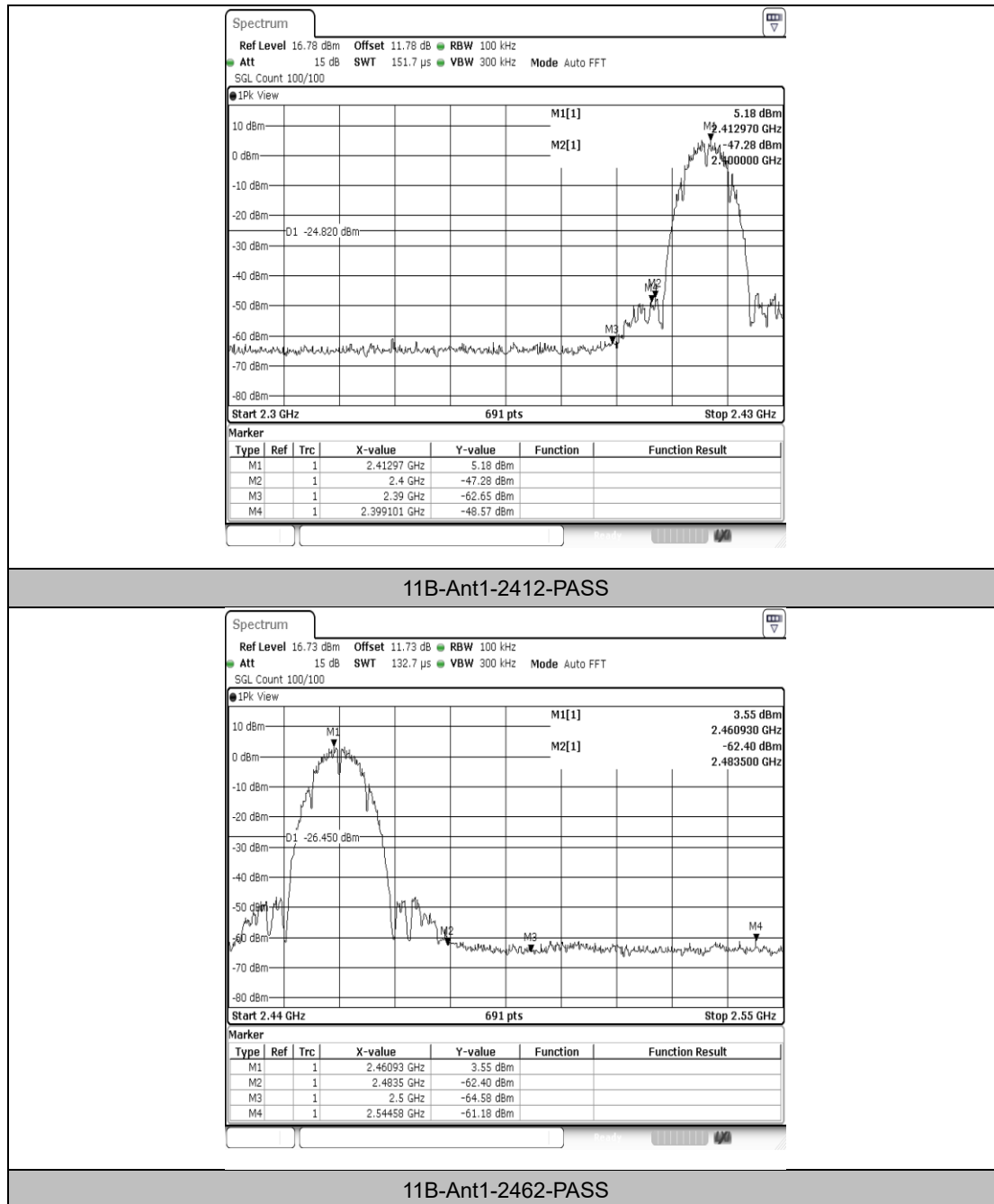
Appendix E: Conducted Band edge

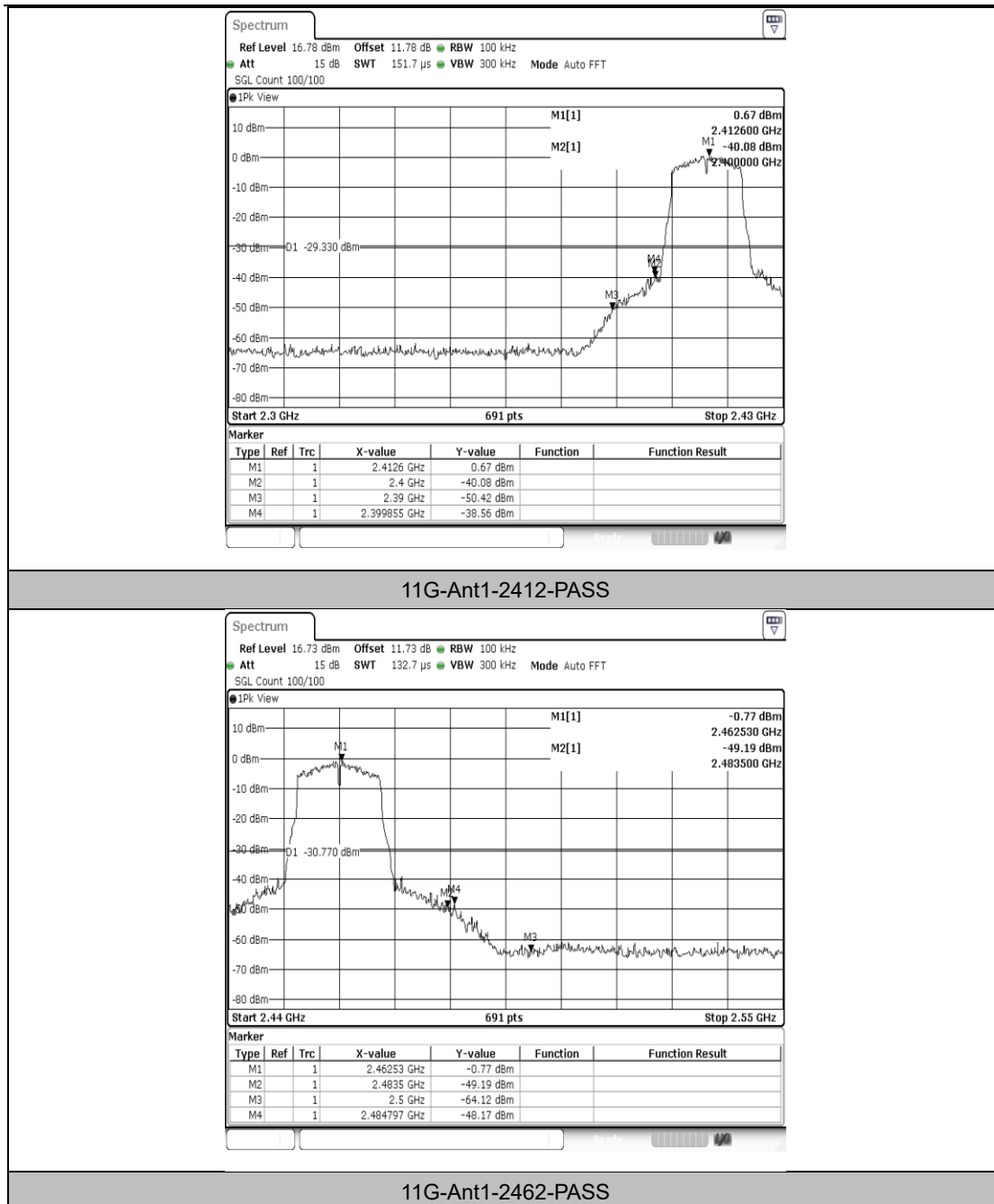
Test Result

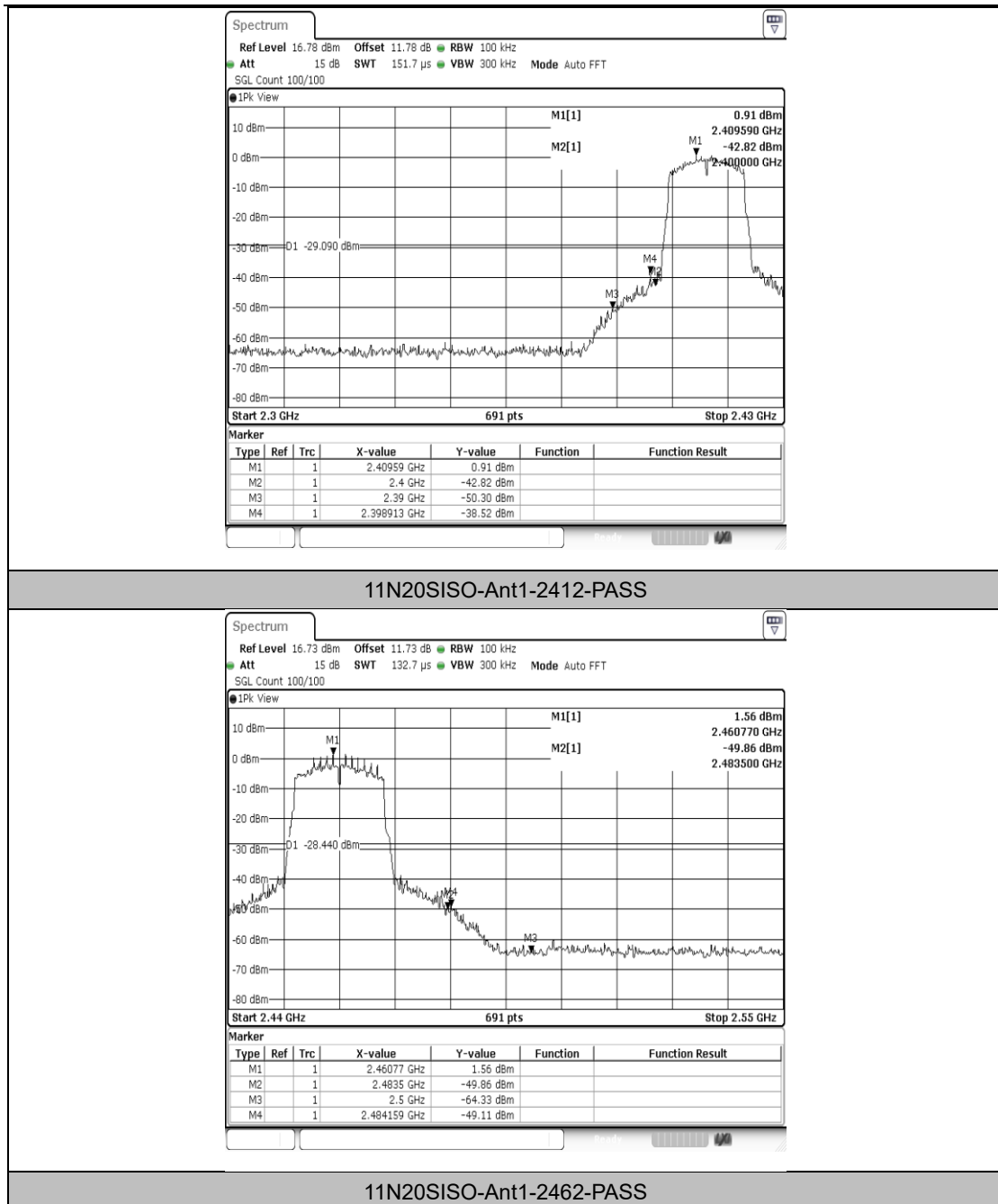
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.18	-48.57	≤-24.82	PASS
11B	Ant1	High	2462	3.55	-61.18	≤-26.45	PASS
11G	Ant1	Low	2412	0.67	-38.56	≤-29.33	PASS
11G	Ant1	High	2462	-0.77	-48.17	≤-30.77	PASS
11N20SISO	Ant1	Low	2412	0.91	-38.52	≤-29.09	PASS
11N20SISO	Ant1	High	2462	1.56	-49.11	≤-28.44	PASS



Test Graphs







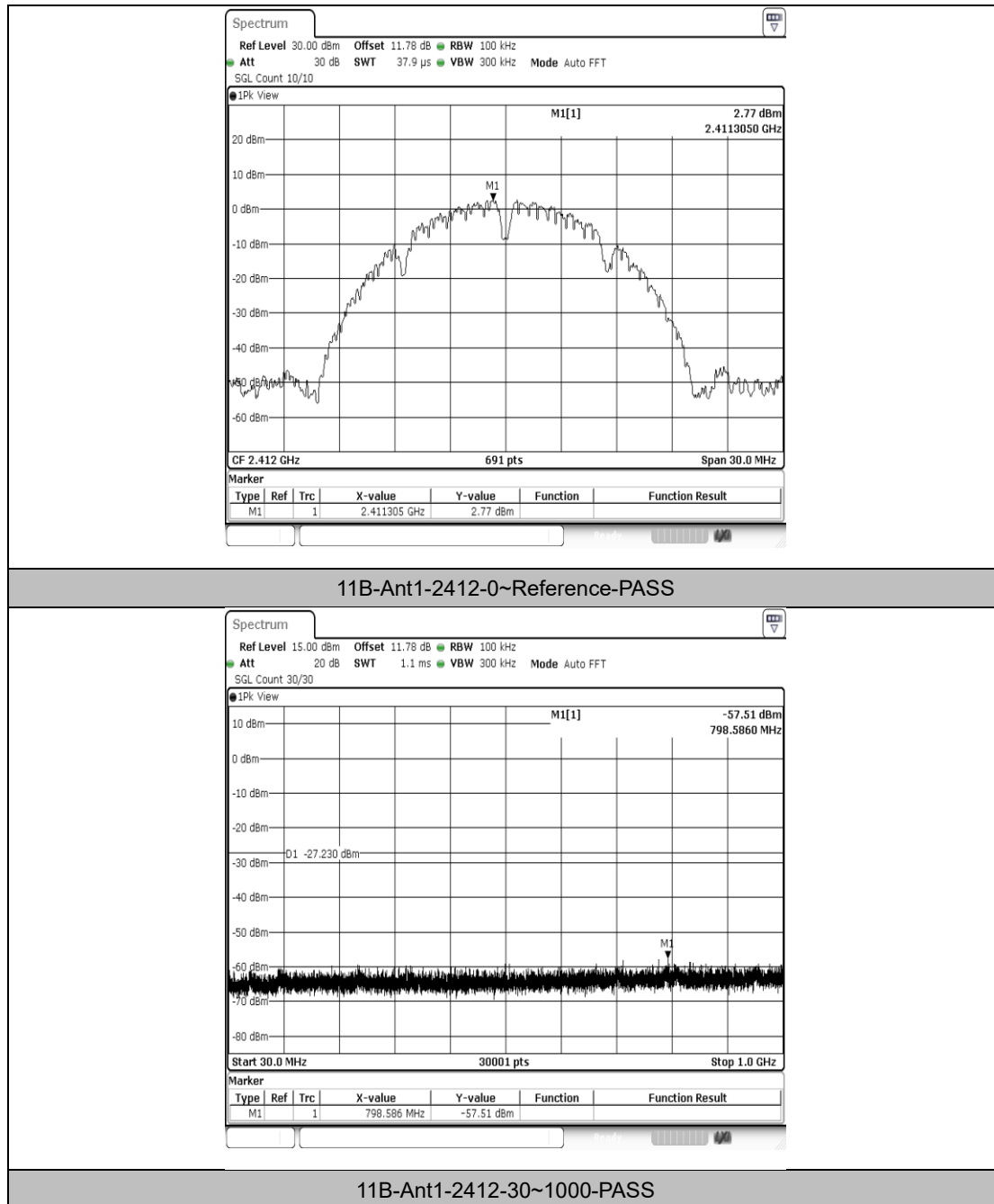
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.77	2.77	---	PASS
11B	Ant1	2412	30~1000	2.77	-57.51	≤-27.23	PASS
11B	Ant1	2412	1000~26500	2.77	-43.16	≤-27.23	PASS
11B	Ant1	2437	0~Reference	3.36	3.36	---	PASS
11B	Ant1	2437	30~1000	3.36	-57	≤-26.64	PASS
11B	Ant1	2437	1000~26500	3.36	-43.99	≤-26.64	PASS
11B	Ant1	2462	0~Reference	1.35	1.35	---	PASS
11B	Ant1	2462	30~1000	1.35	-57.97	≤-28.65	PASS
11B	Ant1	2462	1000~26500	1.35	-43.37	≤-28.65	PASS
11G	Ant1	2412	0~Reference	0.43	0.43	---	PASS
11G	Ant1	2412	30~1000	0.43	-57.73	≤-29.57	PASS
11G	Ant1	2412	1000~26500	0.43	-42.76	≤-29.57	PASS
11G	Ant1	2437	0~Reference	-0.79	-0.79	---	PASS
11G	Ant1	2437	30~1000	-0.79	-58.19	≤-30.79	PASS
11G	Ant1	2437	1000~26500	-0.79	-44.19	≤-30.79	PASS
11G	Ant1	2462	0~Reference	-2.21	-2.21	---	PASS
11G	Ant1	2462	30~1000	-2.21	-57.58	≤-32.21	PASS
11G	Ant1	2462	1000~26500	-2.21	-43.7	≤-32.21	PASS
11N20SISO	Ant1	2412	0~Reference	-0.81	-0.81	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.81	-58.77	≤-30.81	PASS
11N20SISO	Ant1	2412	1000~26500	-0.81	-43.59	≤-30.81	PASS
11N20SISO	Ant1	2437	0~Reference	-1.45	-1.45	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.45	-58.41	≤-31.45	PASS
11N20SISO	Ant1	2437	1000~26500	-1.45	-43.79	≤-31.45	PASS
11N20SISO	Ant1	2462	0~Reference	-2.03	-2.03	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.03	-53.09	≤-32.03	PASS
11N20SISO	Ant1	2462	1000~26500	-2.03	-43.84	≤-32.03	PASS



Test Graphs



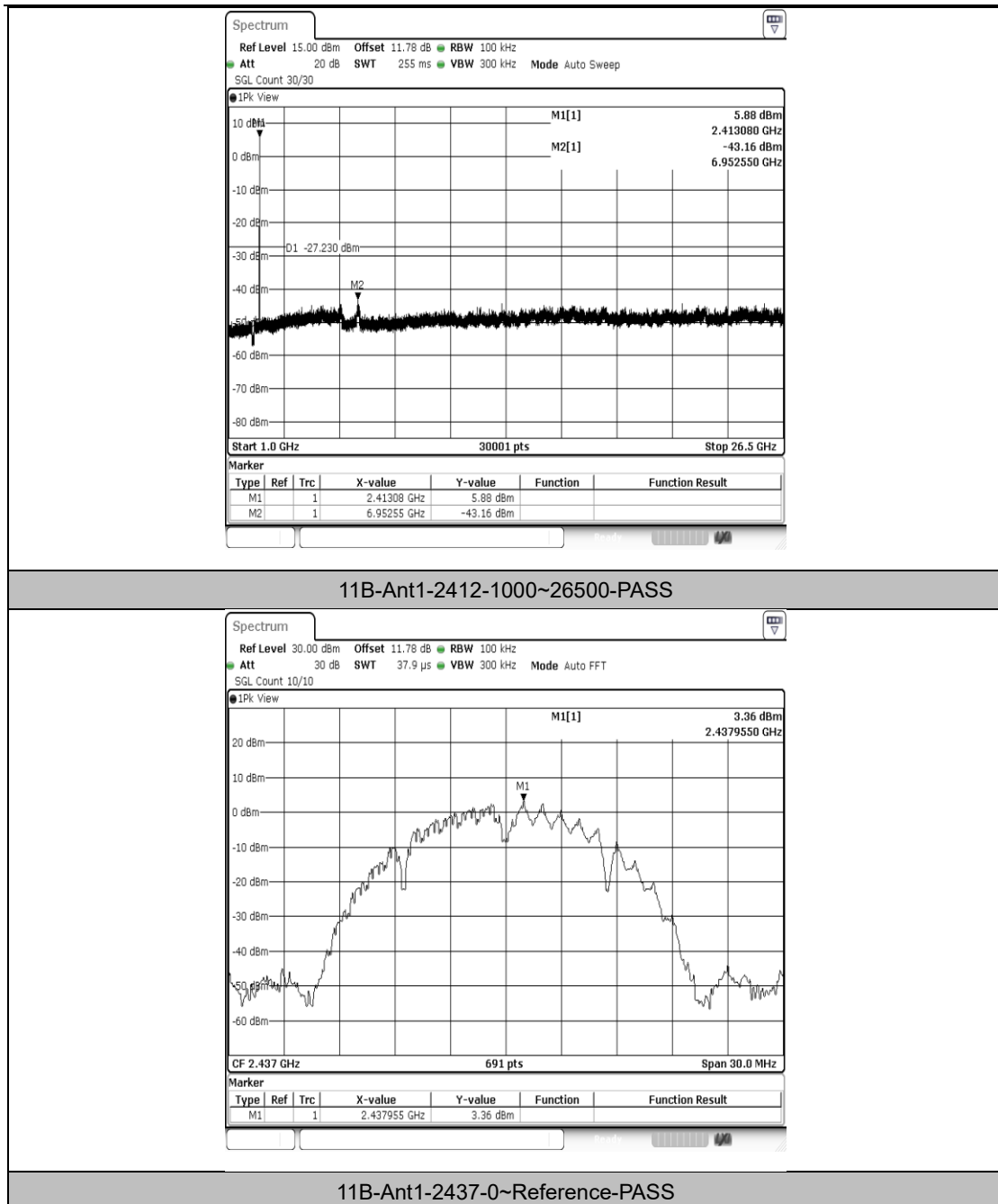
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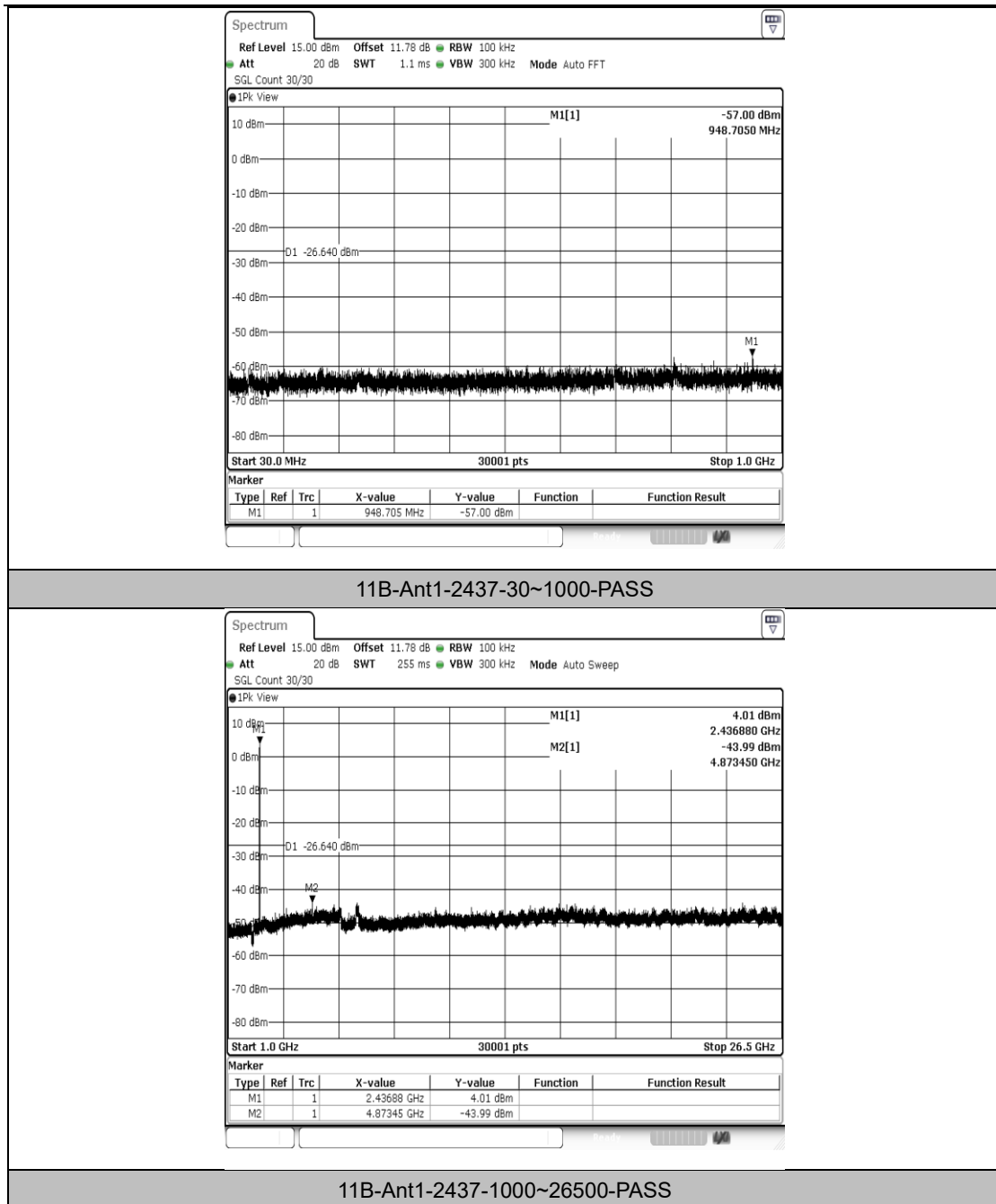
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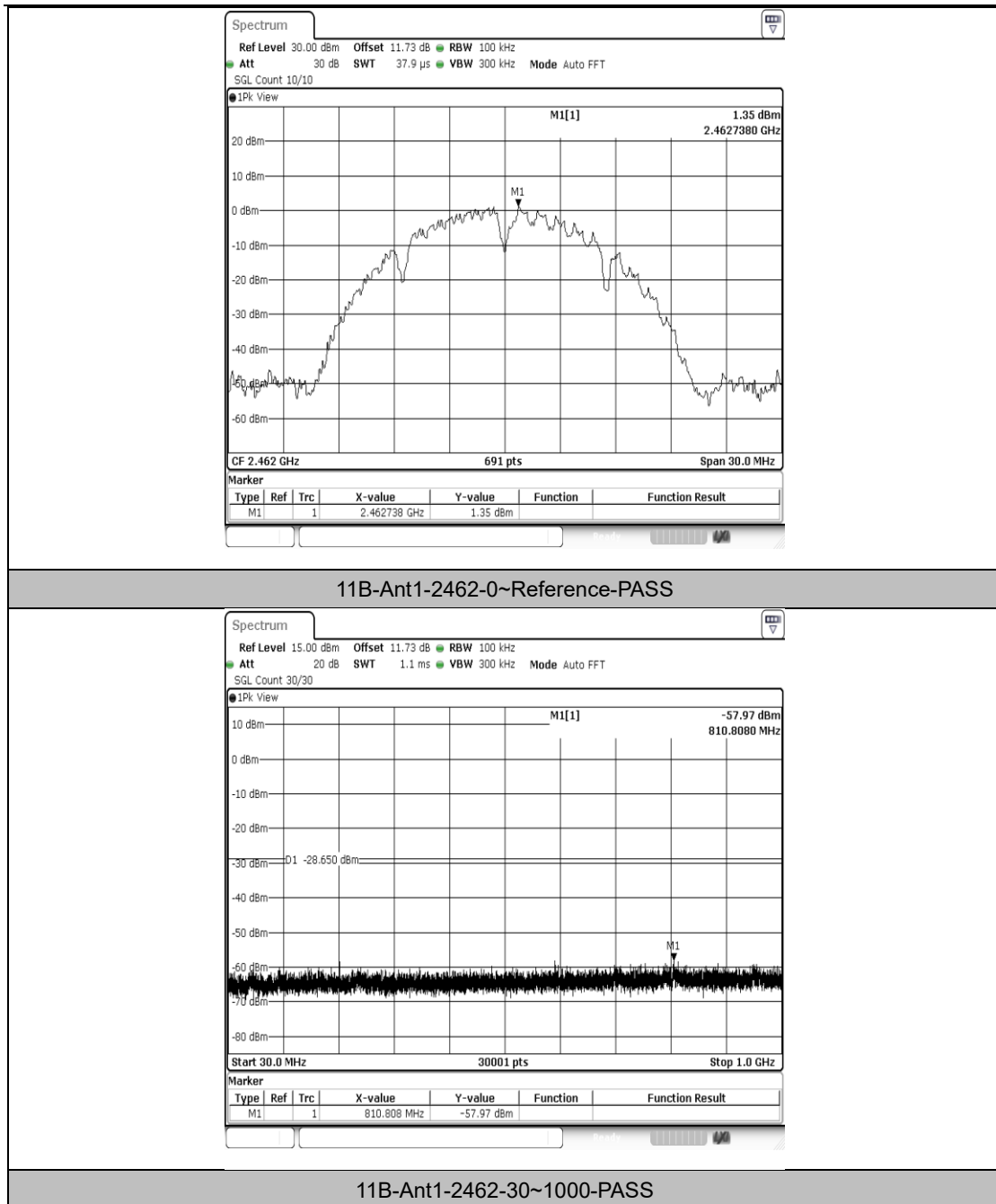


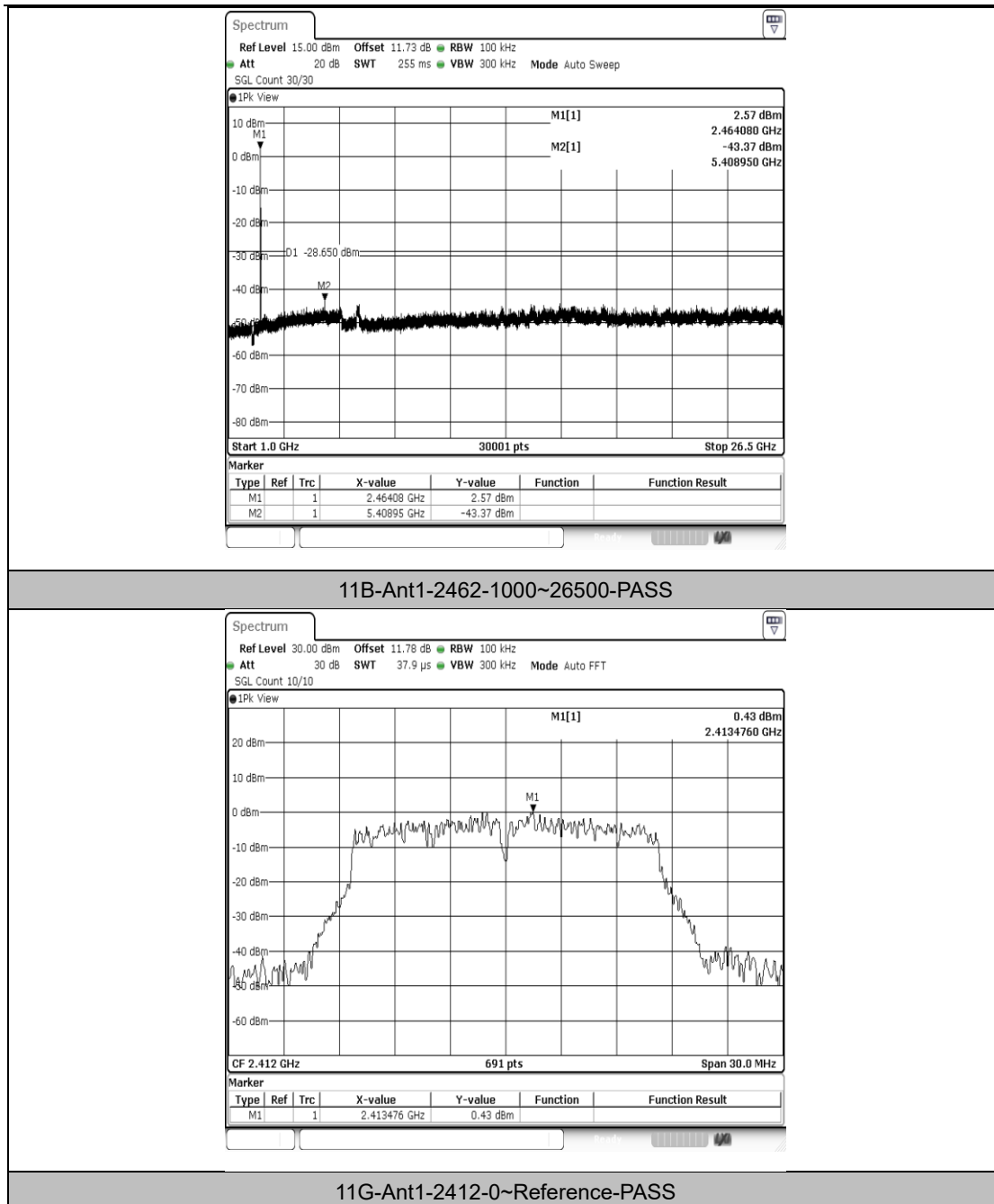
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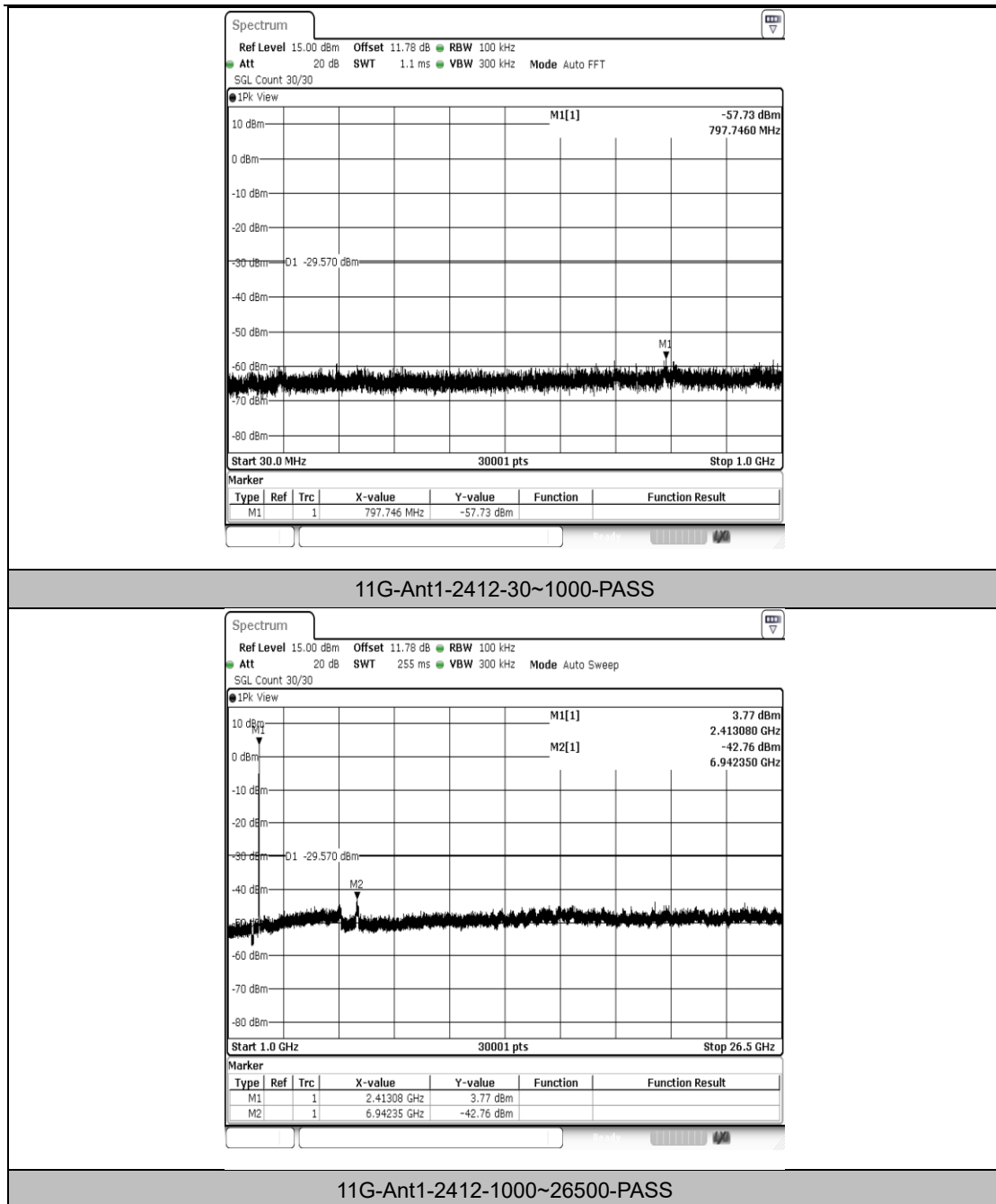


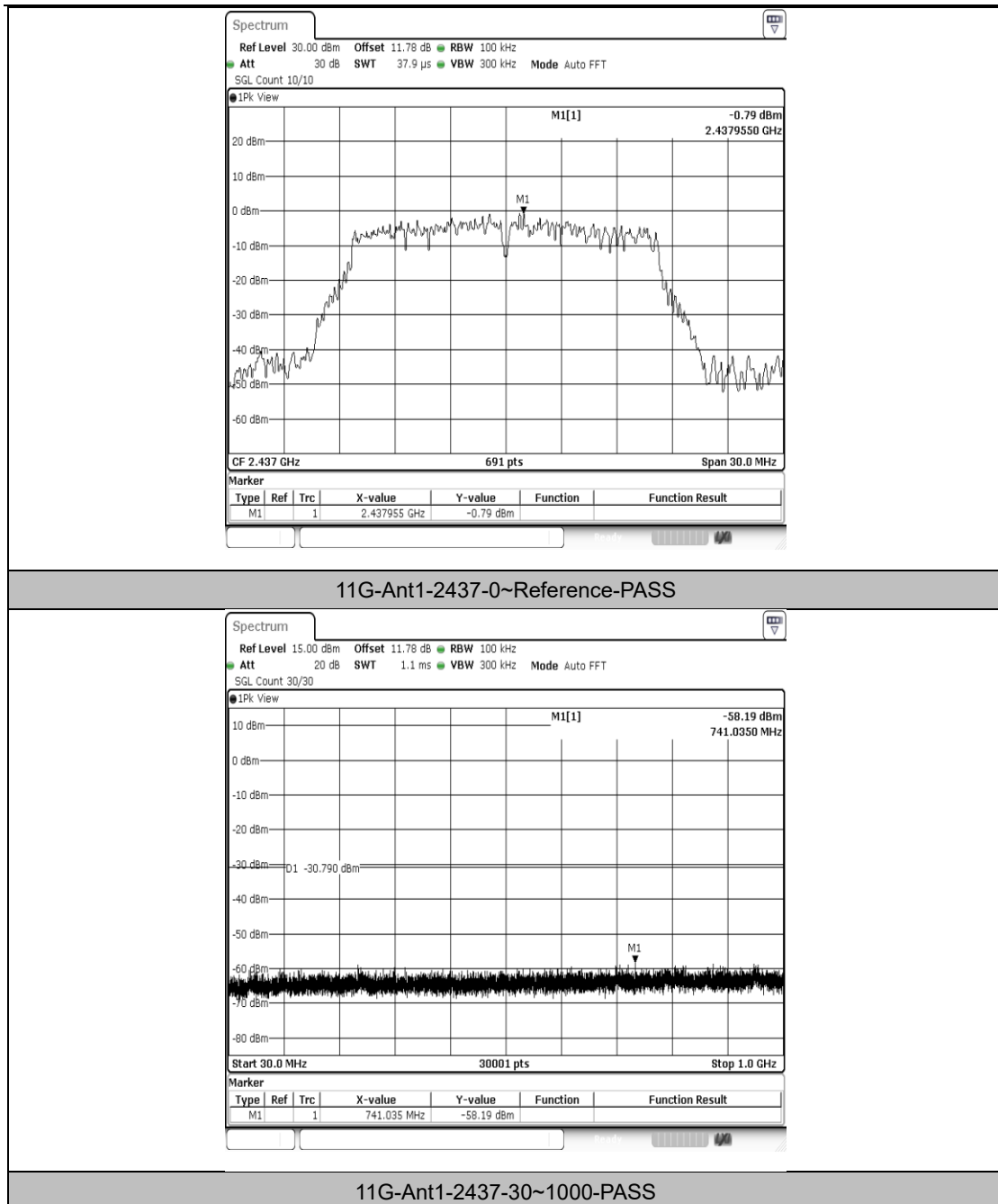


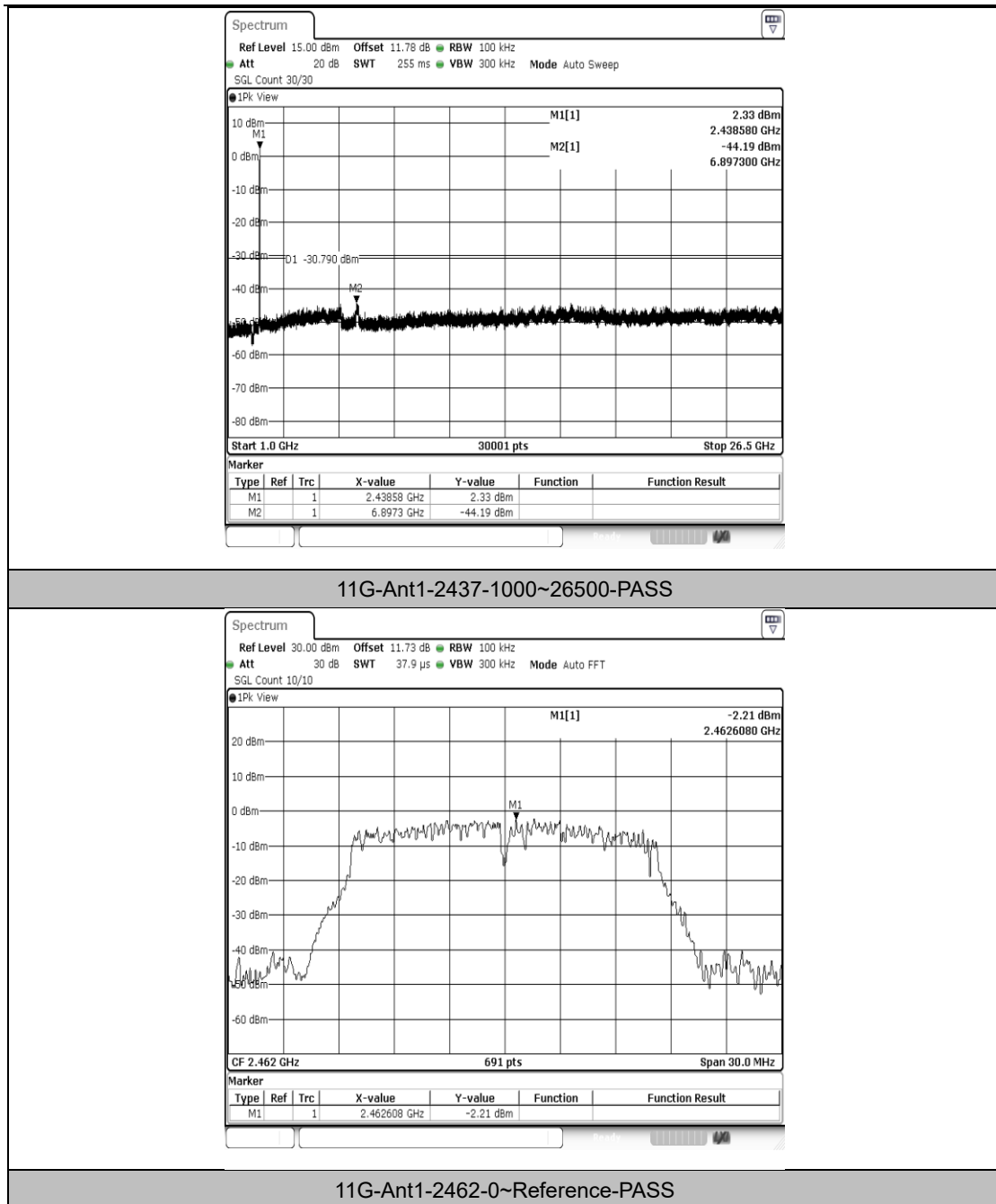


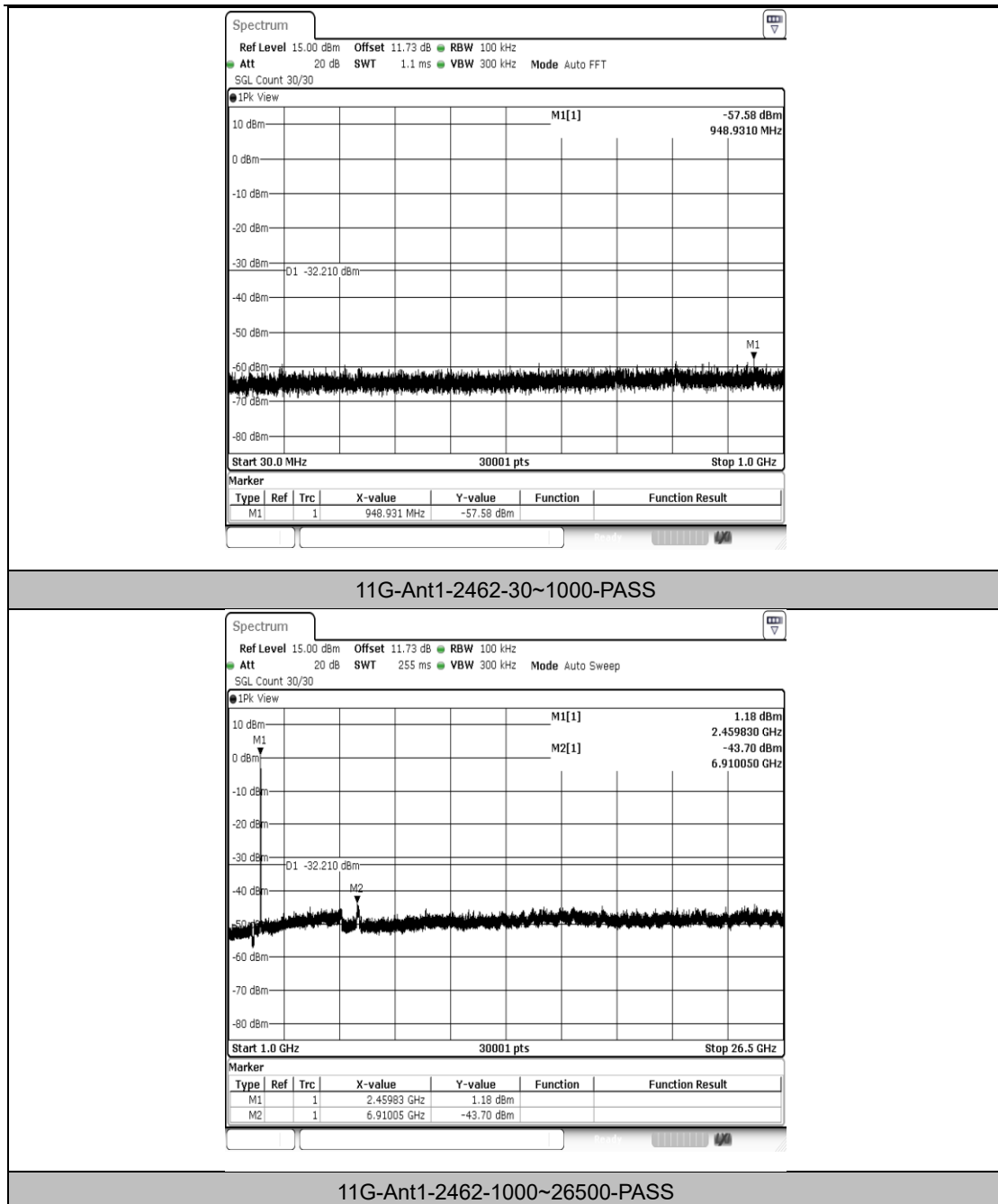


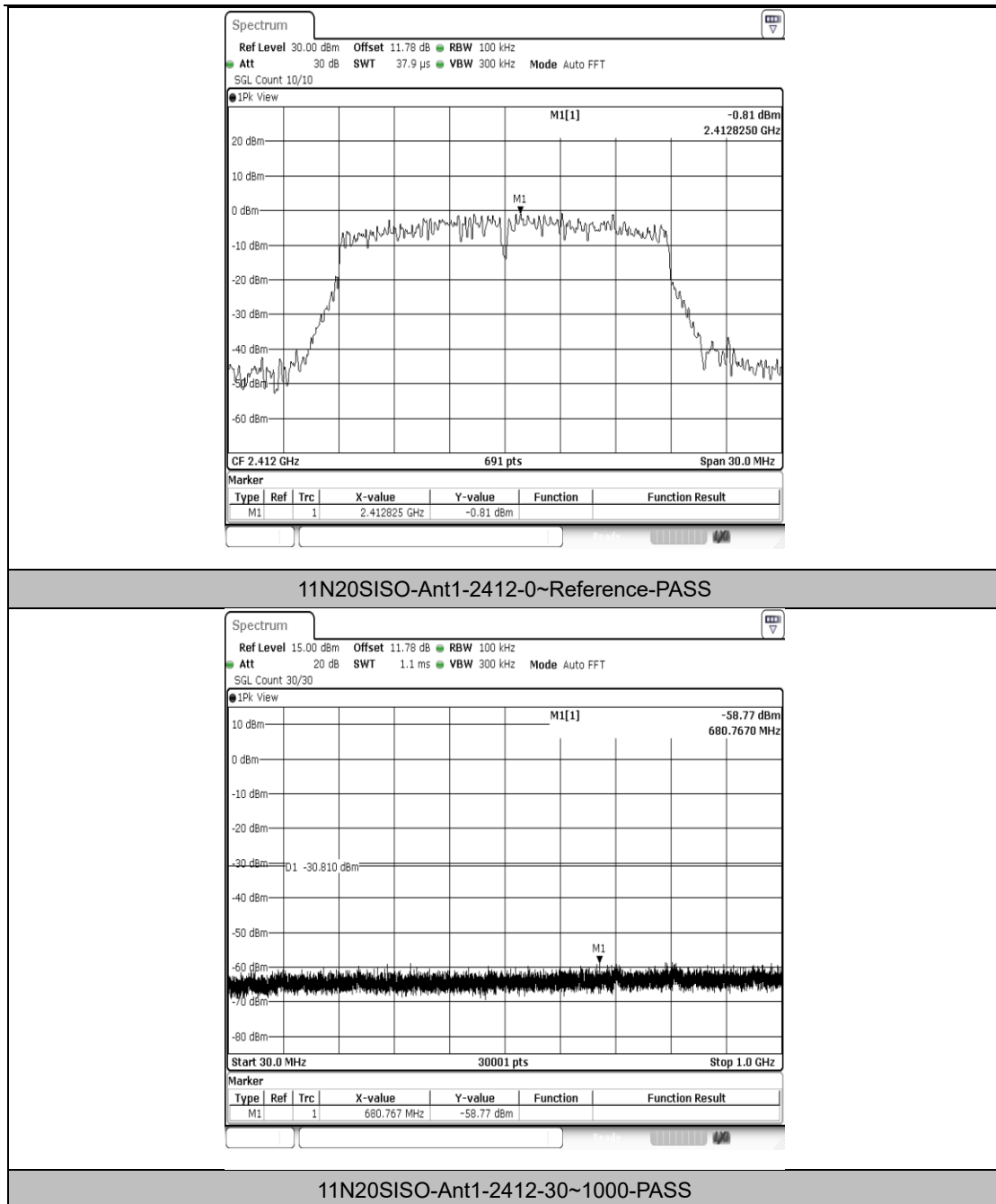


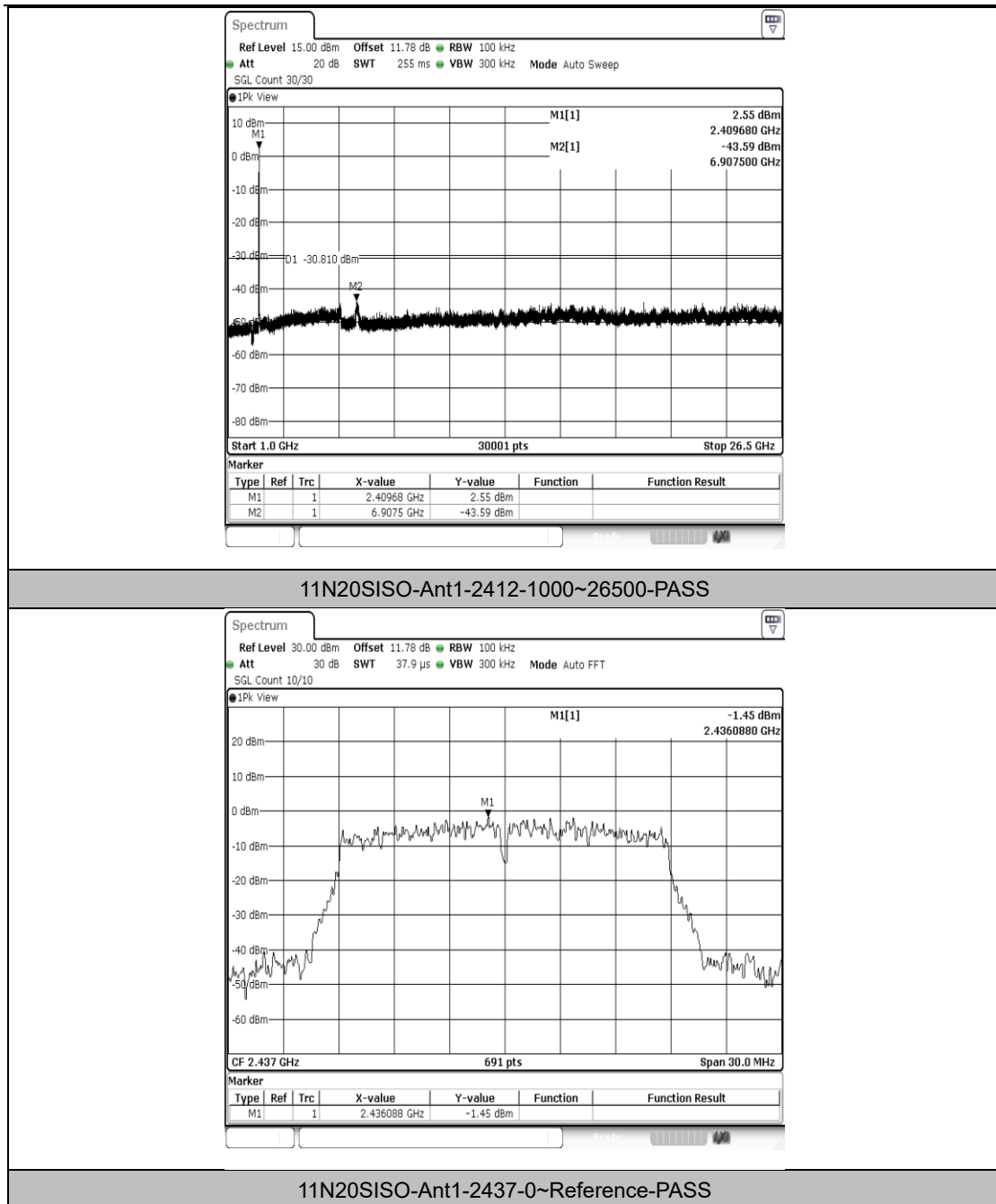


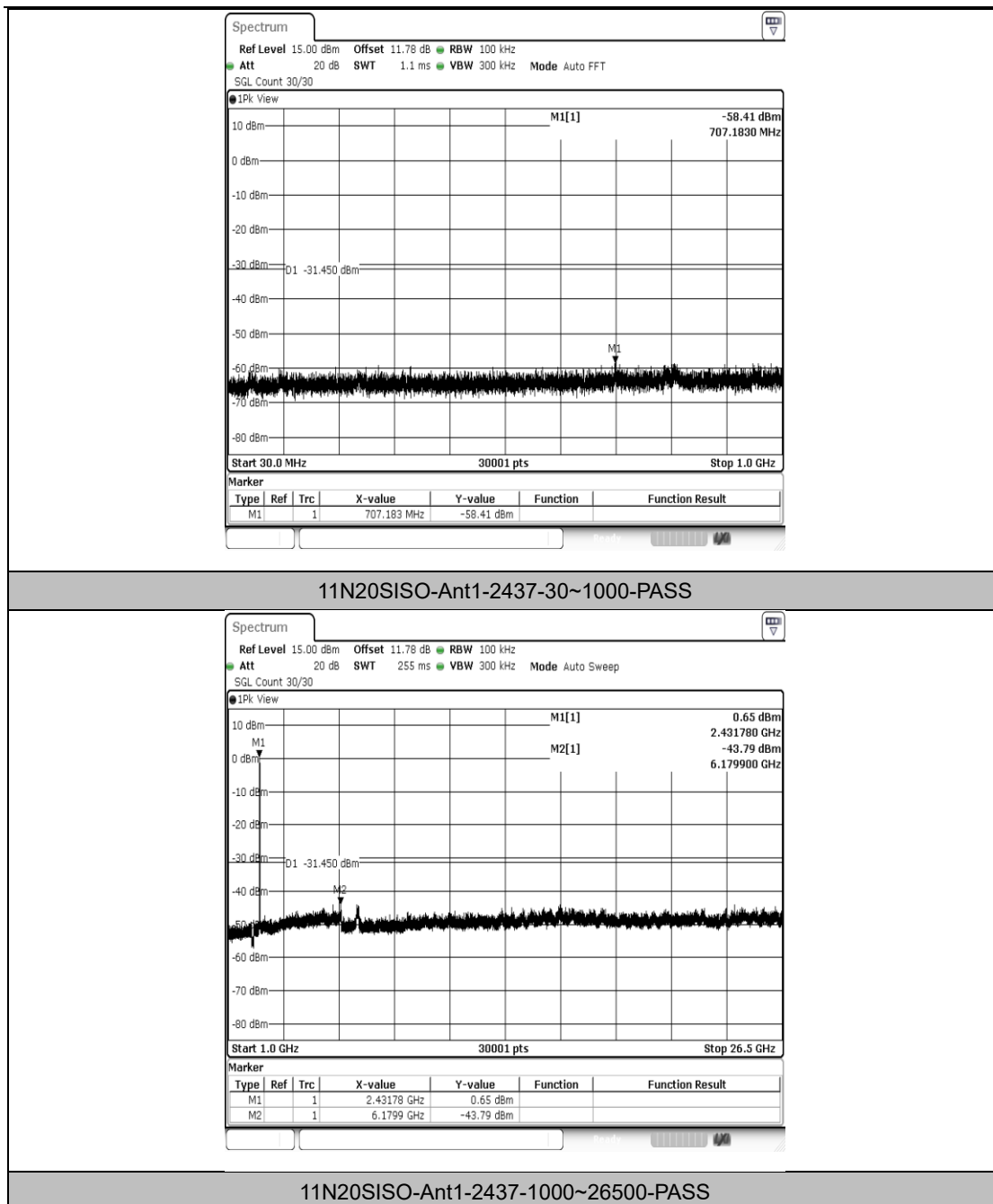


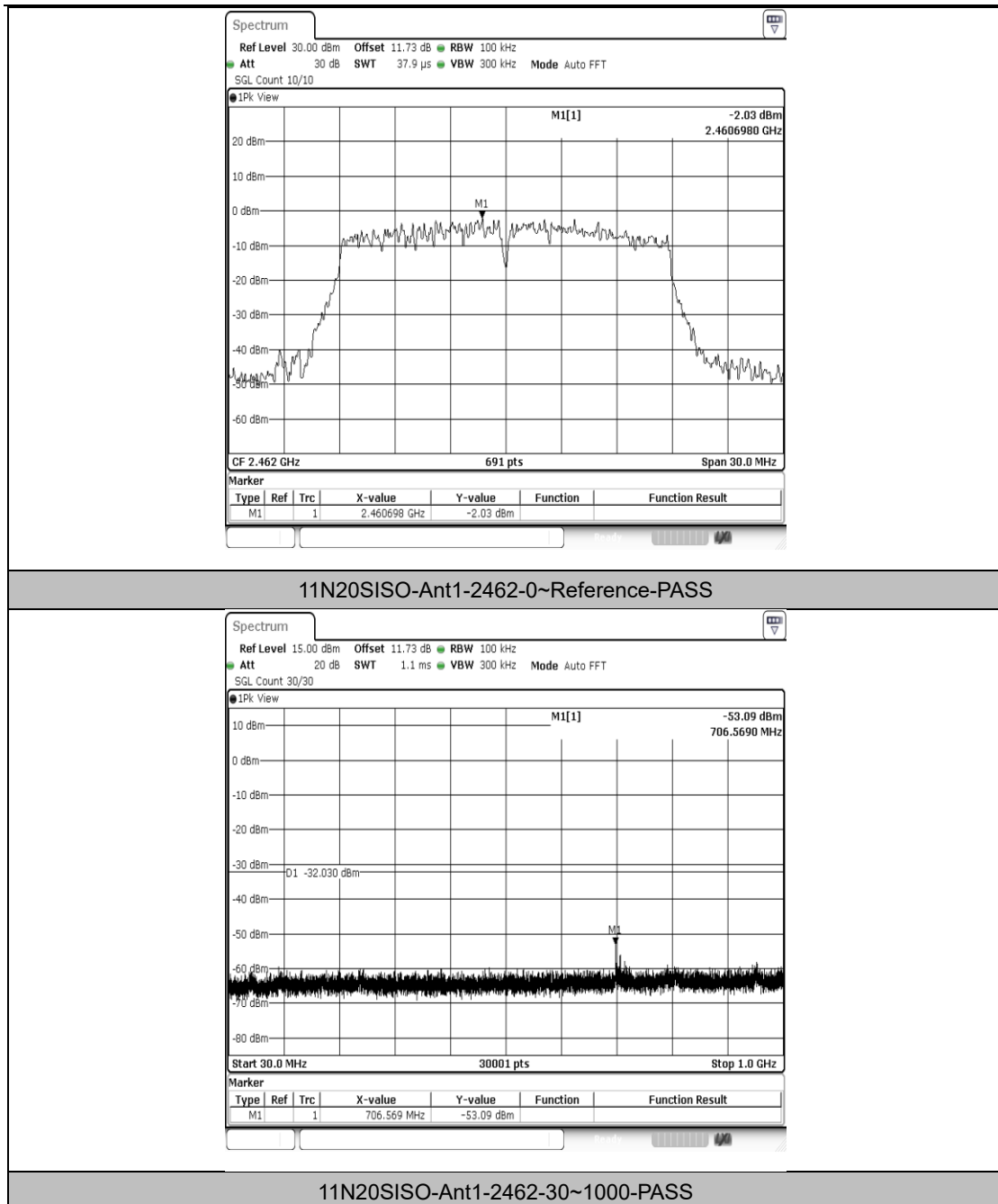


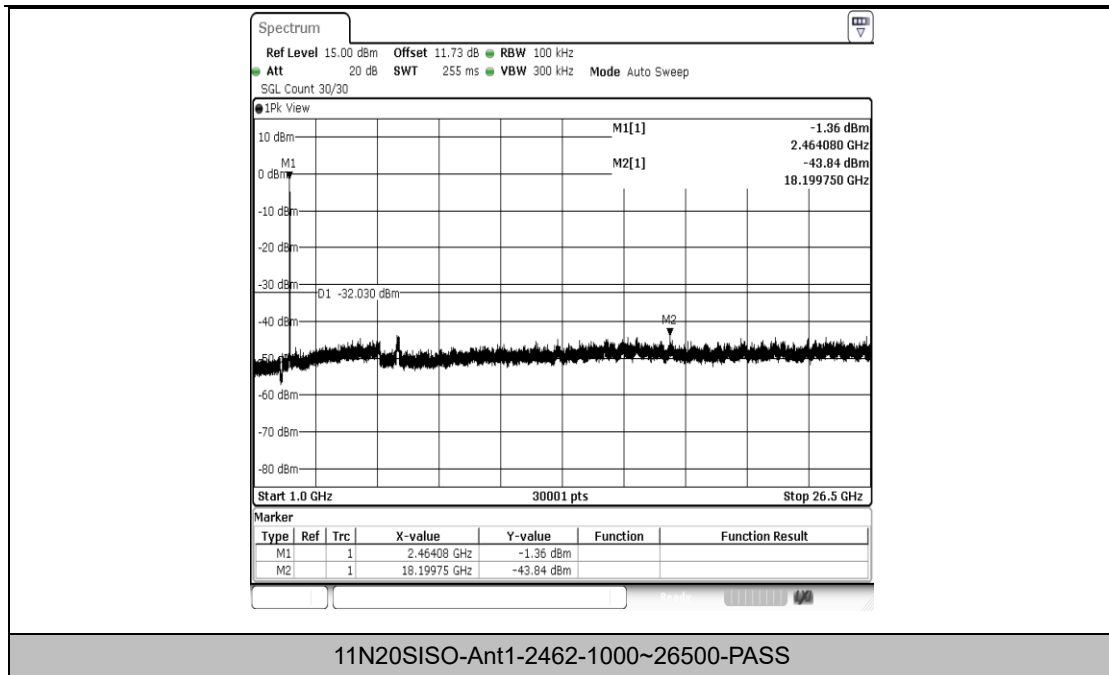












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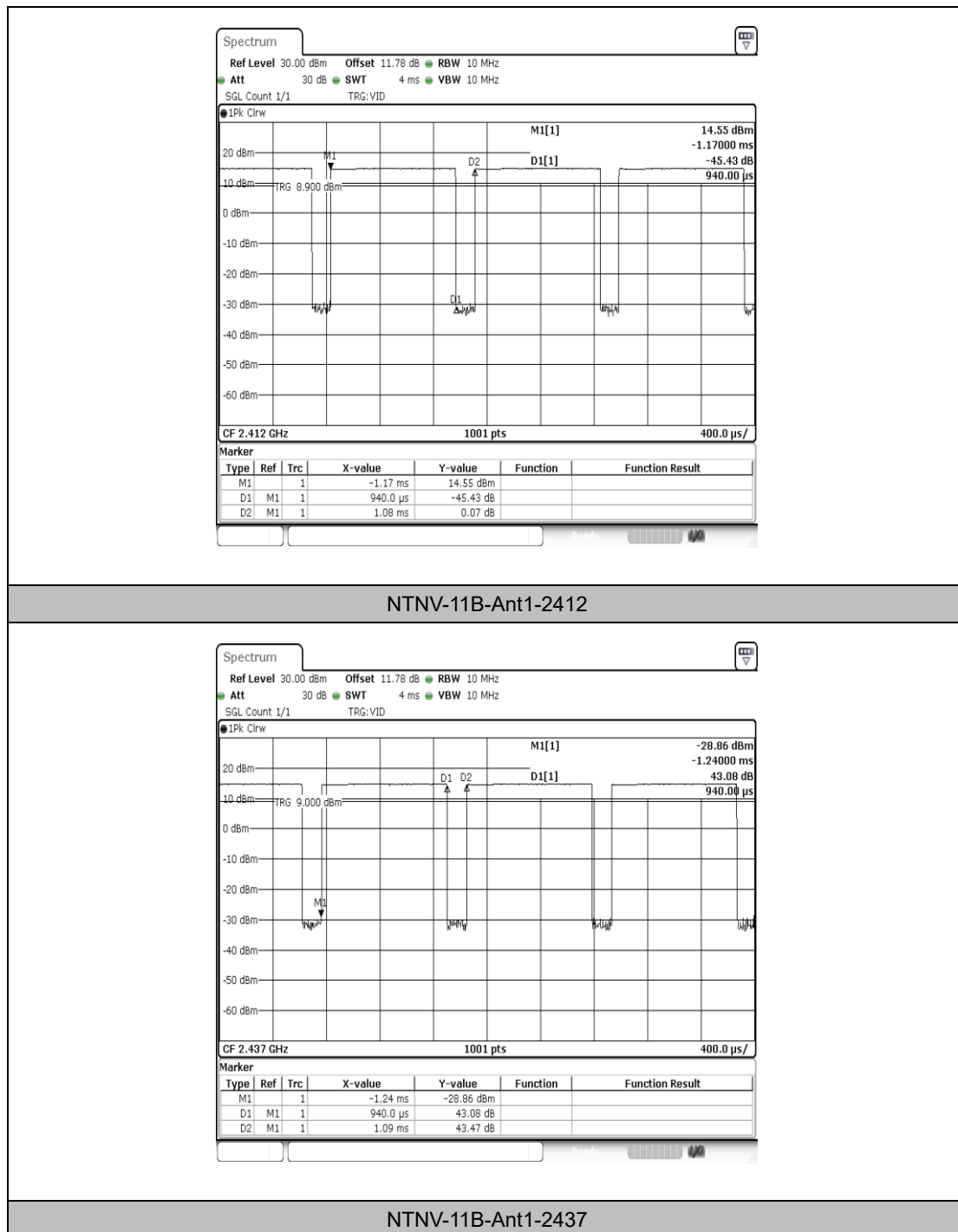
Appendix G: Duty Cycle

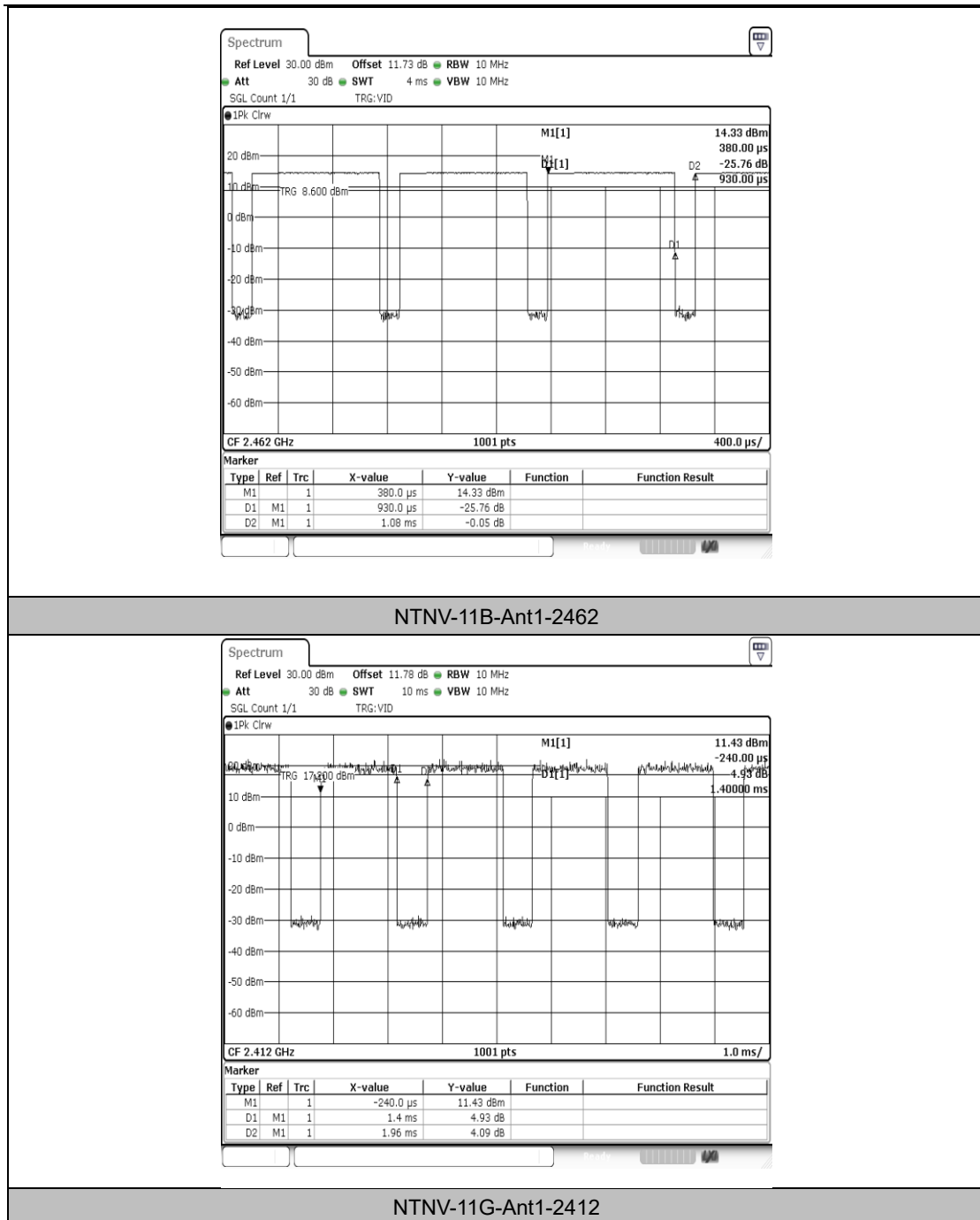
Test Result

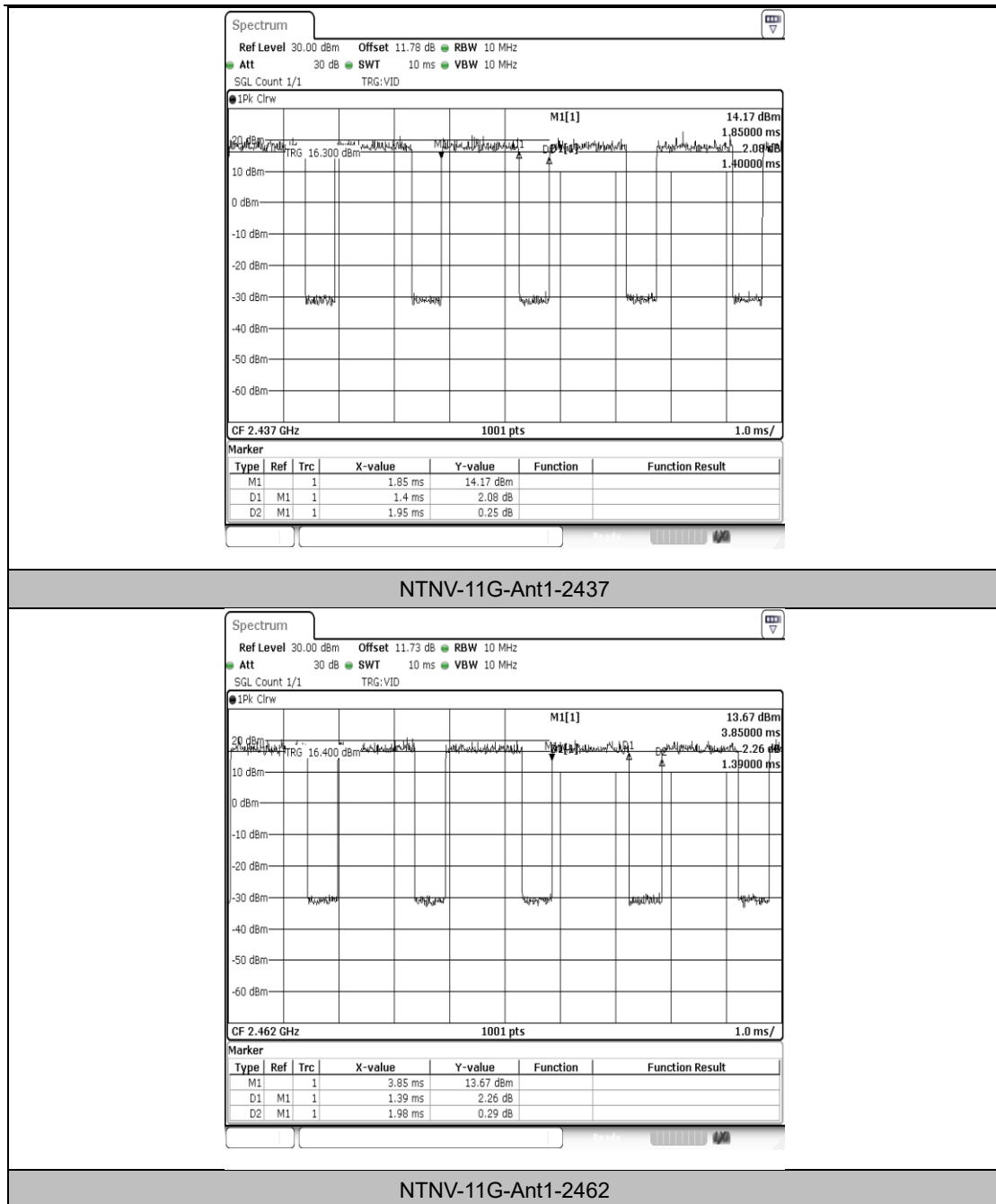
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.94	1.08	87.04	0.60
11B	Ant1	2437	0.94	1.09	86.24	0.64
11B	Ant1	2462	0.93	1.08	86.11	0.65
11G	Ant1	2412	1.40	1.96	71.43	1.46
11G	Ant1	2437	1.40	1.95	71.79	1.44
11G	Ant1	2462	1.39	1.98	70.20	1.54
11N20SISO	Ant1	2412	1.30	1.86	69.89	1.56
11N20SISO	Ant1	2437	1.30	1.86	69.89	1.56
11N20SISO	Ant1	2462	1.30	1.86	69.89	1.56

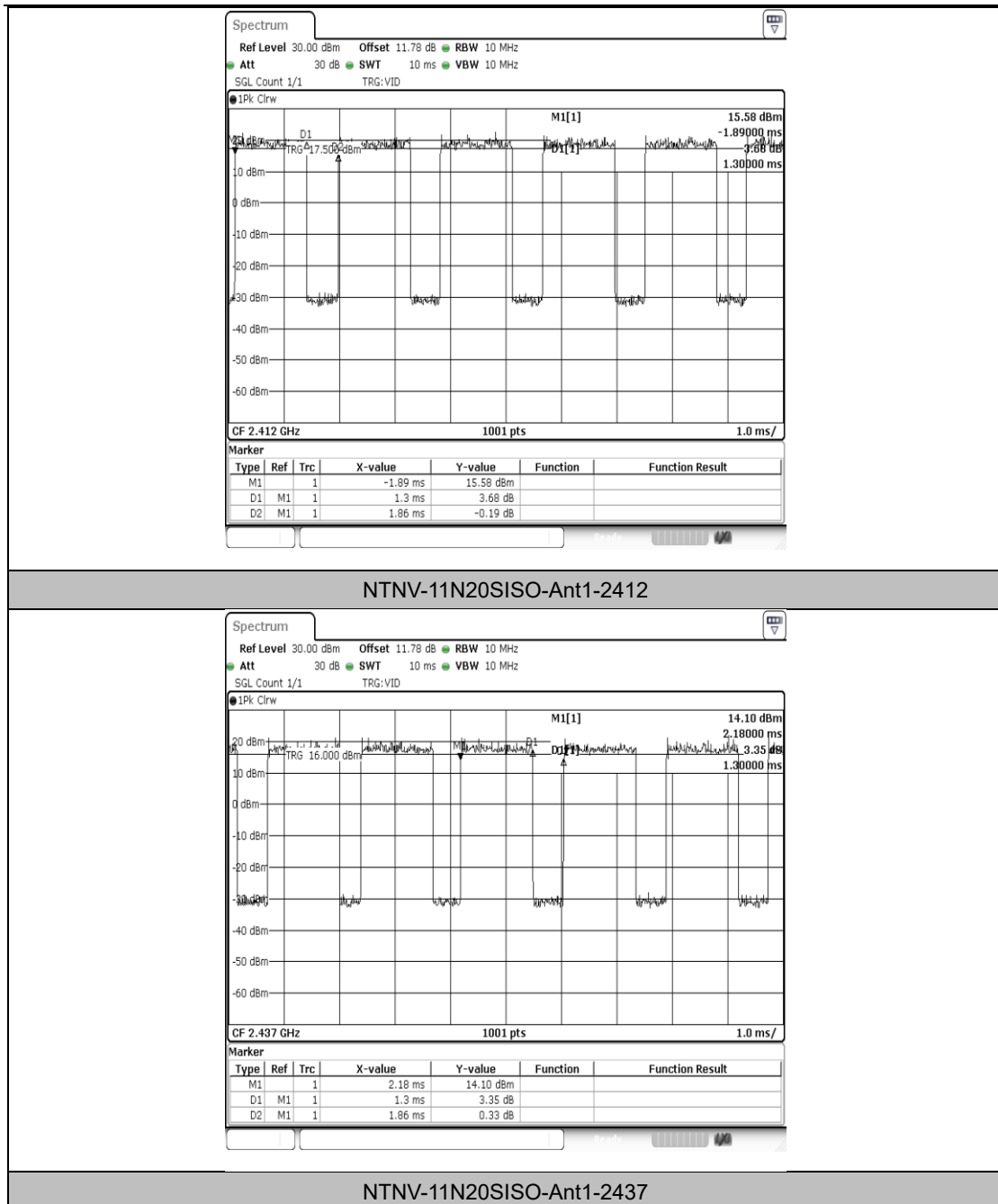


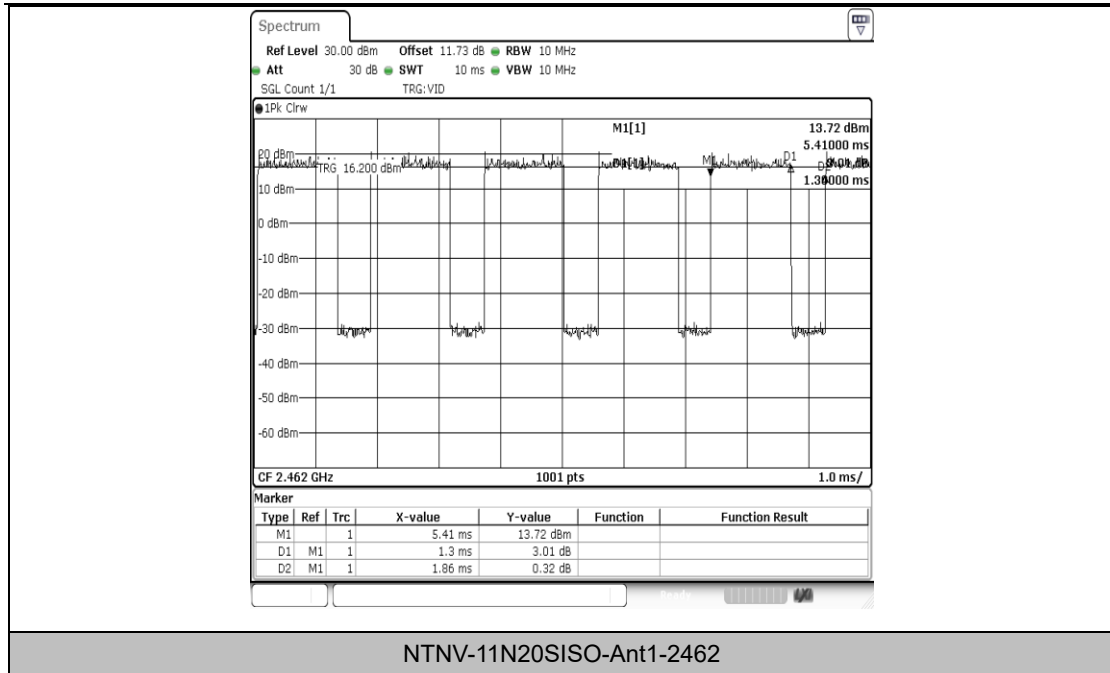
Test Graphs











---End---

