

Appendix Test Data

Report No.:	1814C40120612502	Test Sample No.:	1-2-2
Start Test Date:	2024.11.7	Finish Test Date:	2024.11.18
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	50%
Pressure:	101kPa		

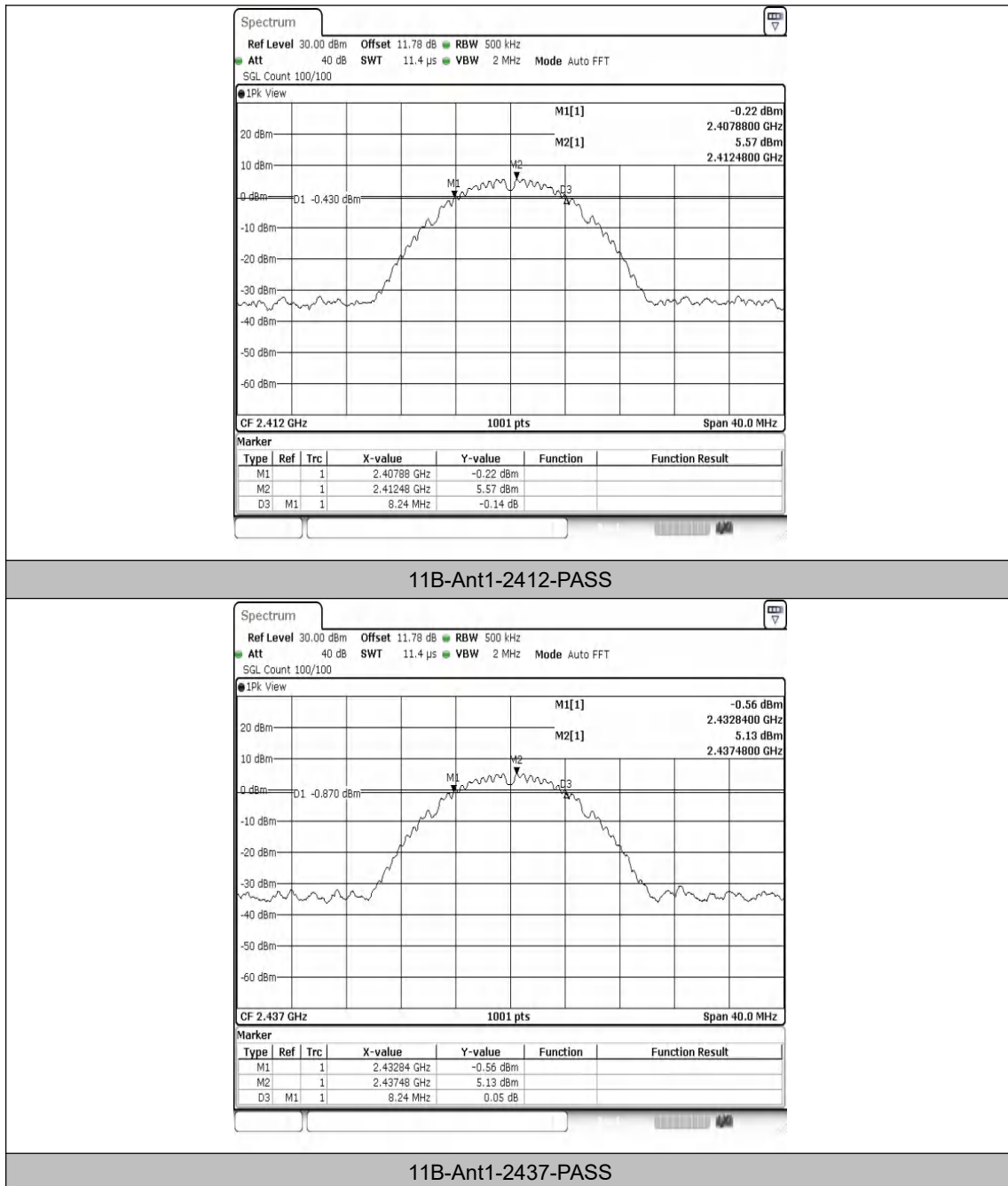
Appendix A: 6dB Bandwidth

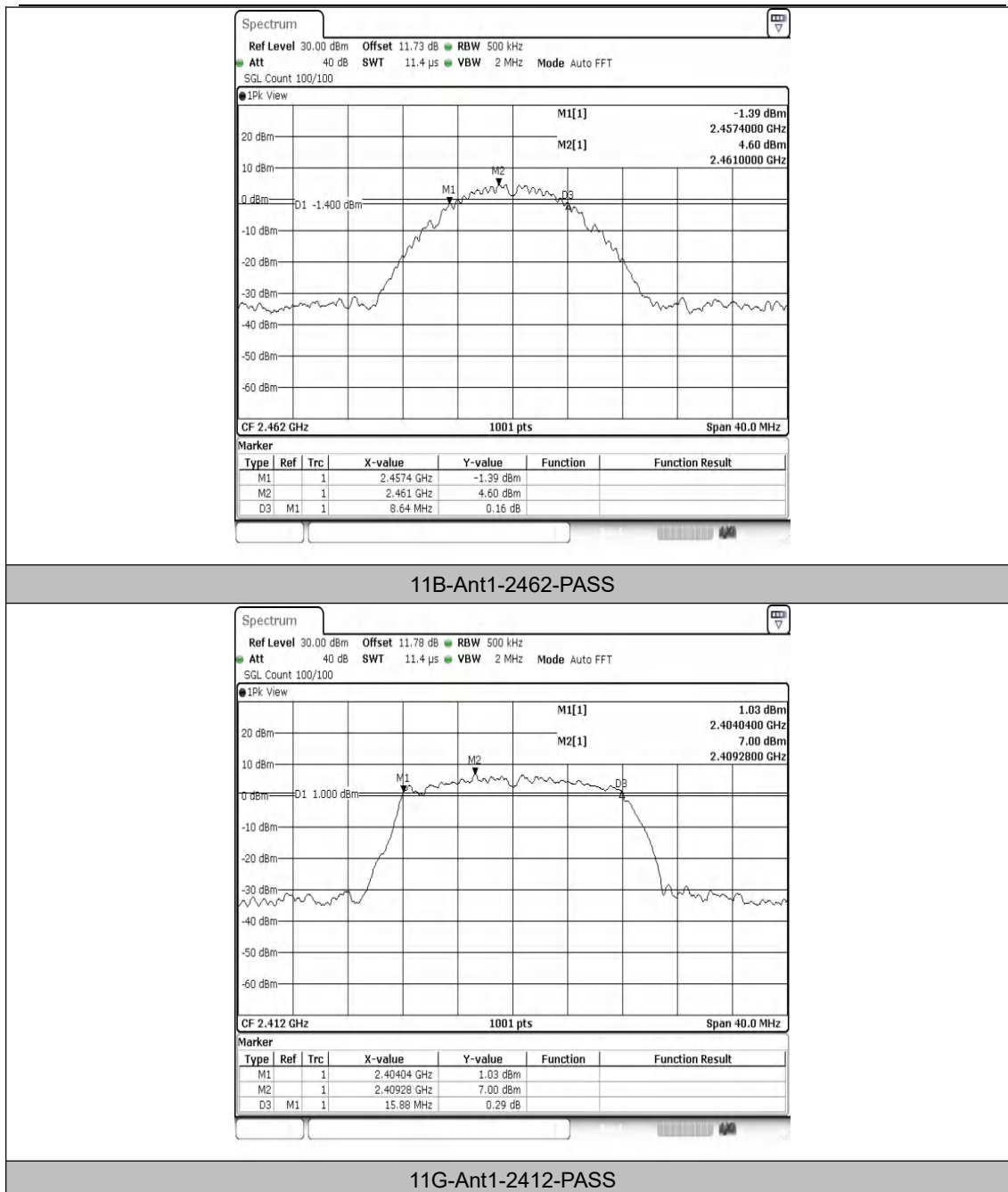
Test Result

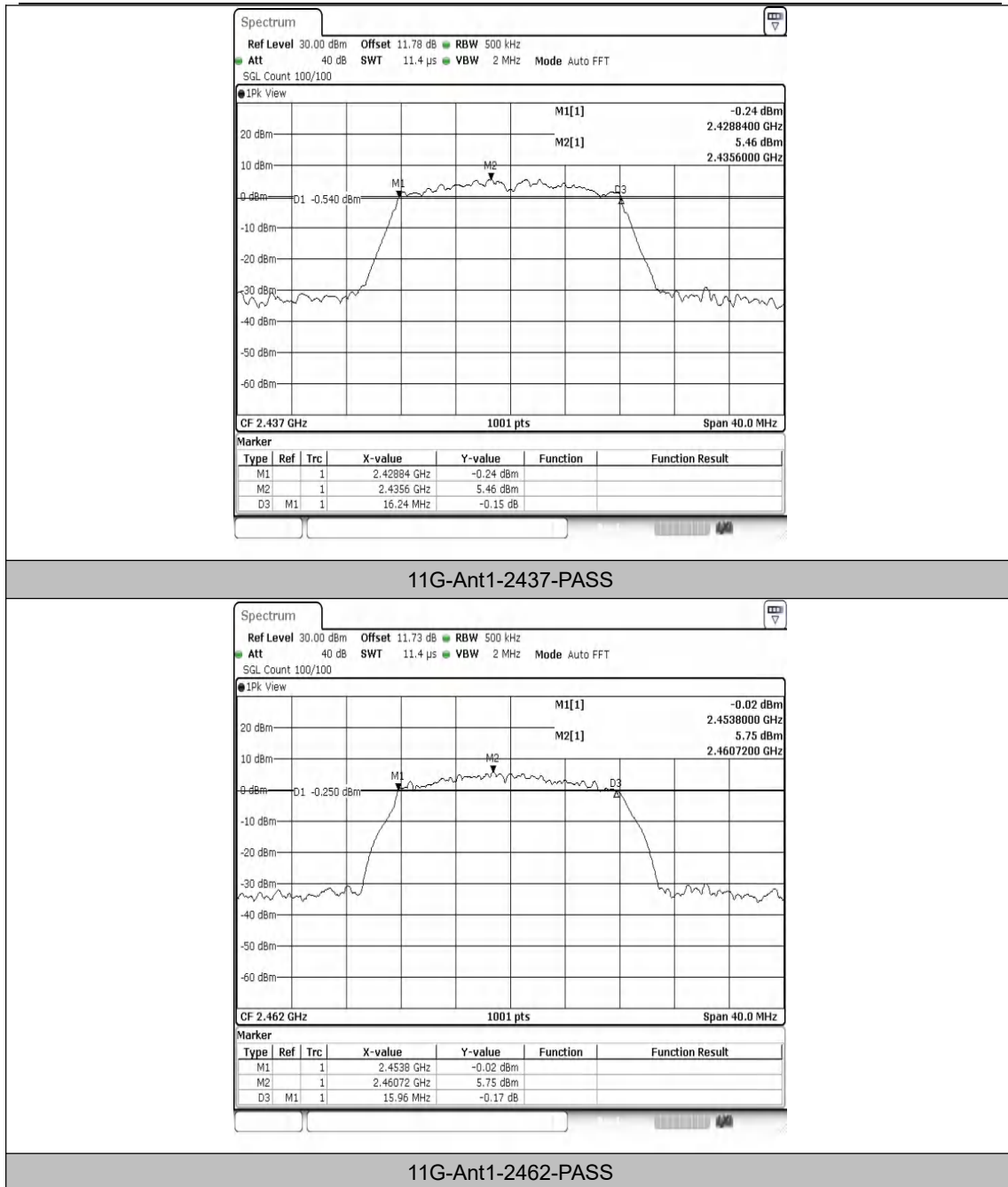
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.24	2407.88	2416.12	0.5	PASS
11B	Ant1	2437	8.24	2432.84	2441.08	0.5	PASS
11B	Ant1	2462	8.64	2457.40	2466.04	0.5	PASS
11G	Ant1	2412	15.88	2404.04	2419.92	0.5	PASS
11G	Ant1	2437	16.24	2428.84	2445.08	0.5	PASS
11G	Ant1	2462	15.96	2453.80	2469.76	0.5	PASS
11N20SISO	Ant1	2412	16.84	2403.72	2420.56	0.5	PASS
11N20SISO	Ant1	2437	17.40	2428.28	2445.68	0.5	PASS
11N20SISO	Ant1	2462	17.12	2453.36	2470.48	0.5	PASS

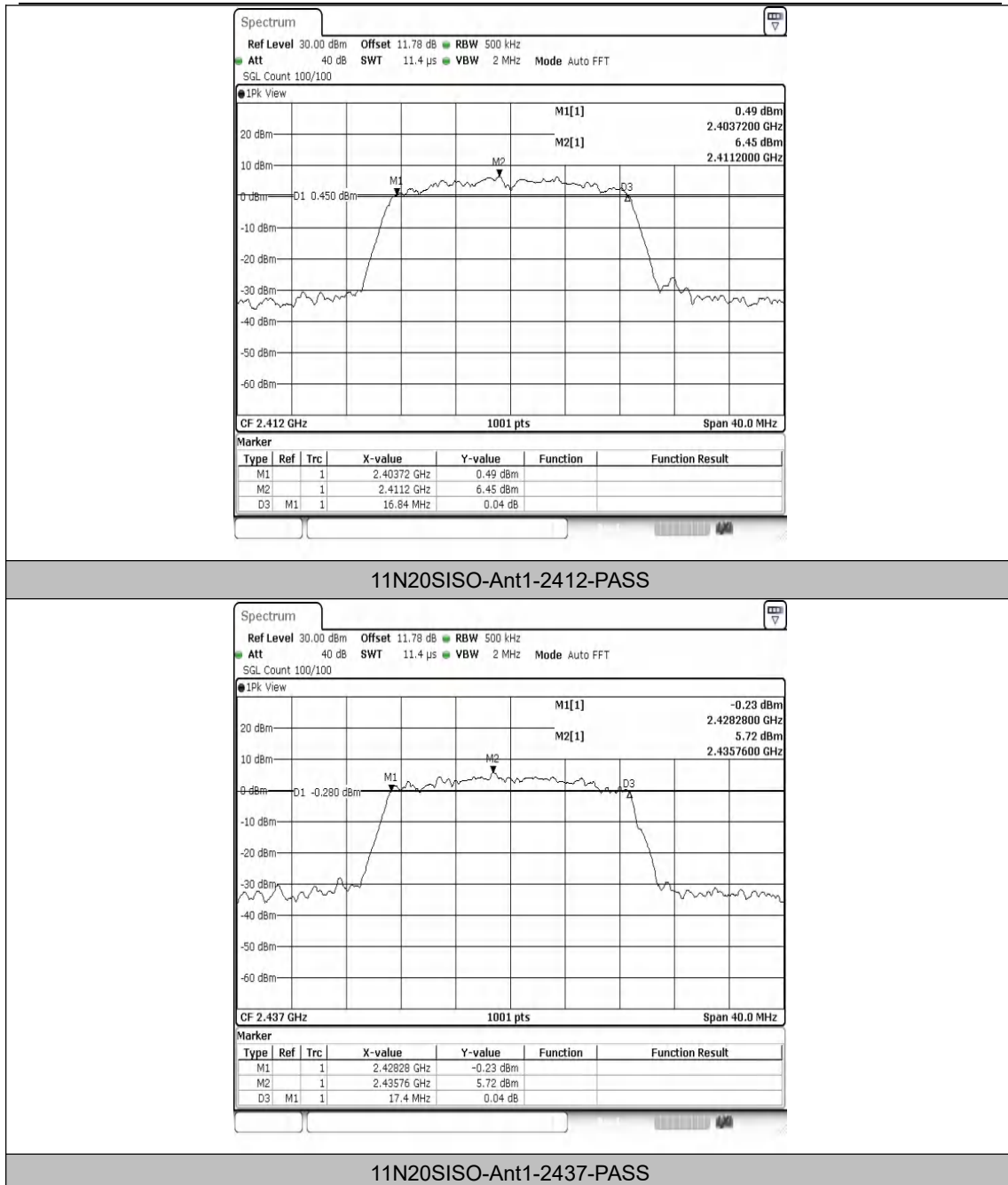


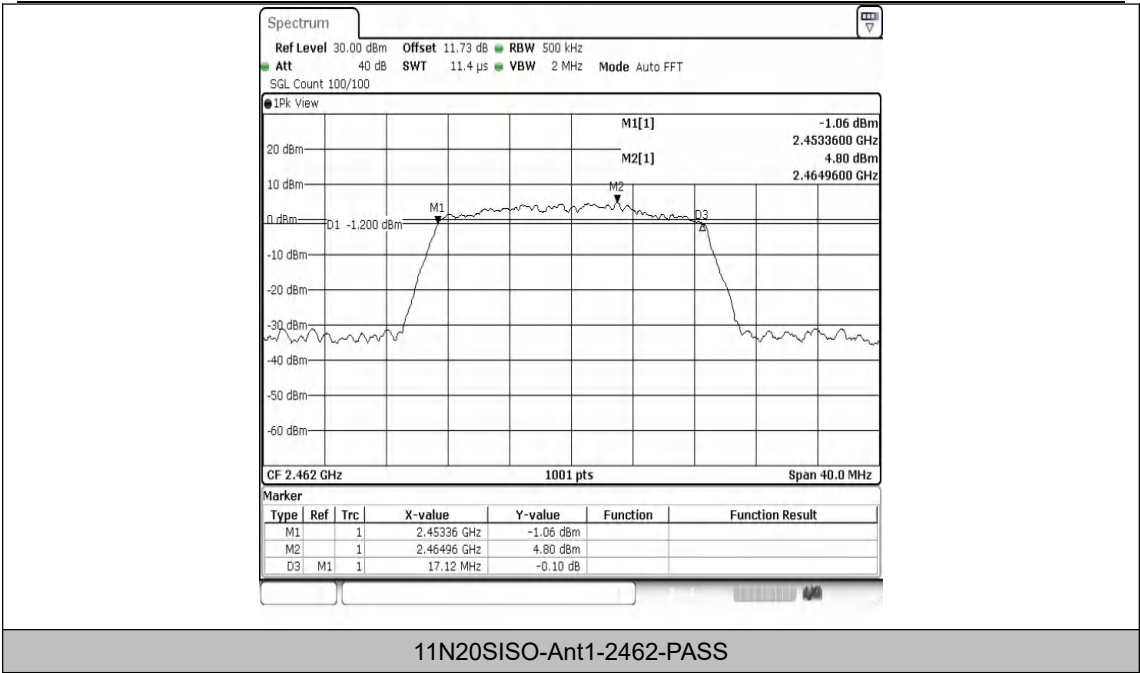
Test Graphs











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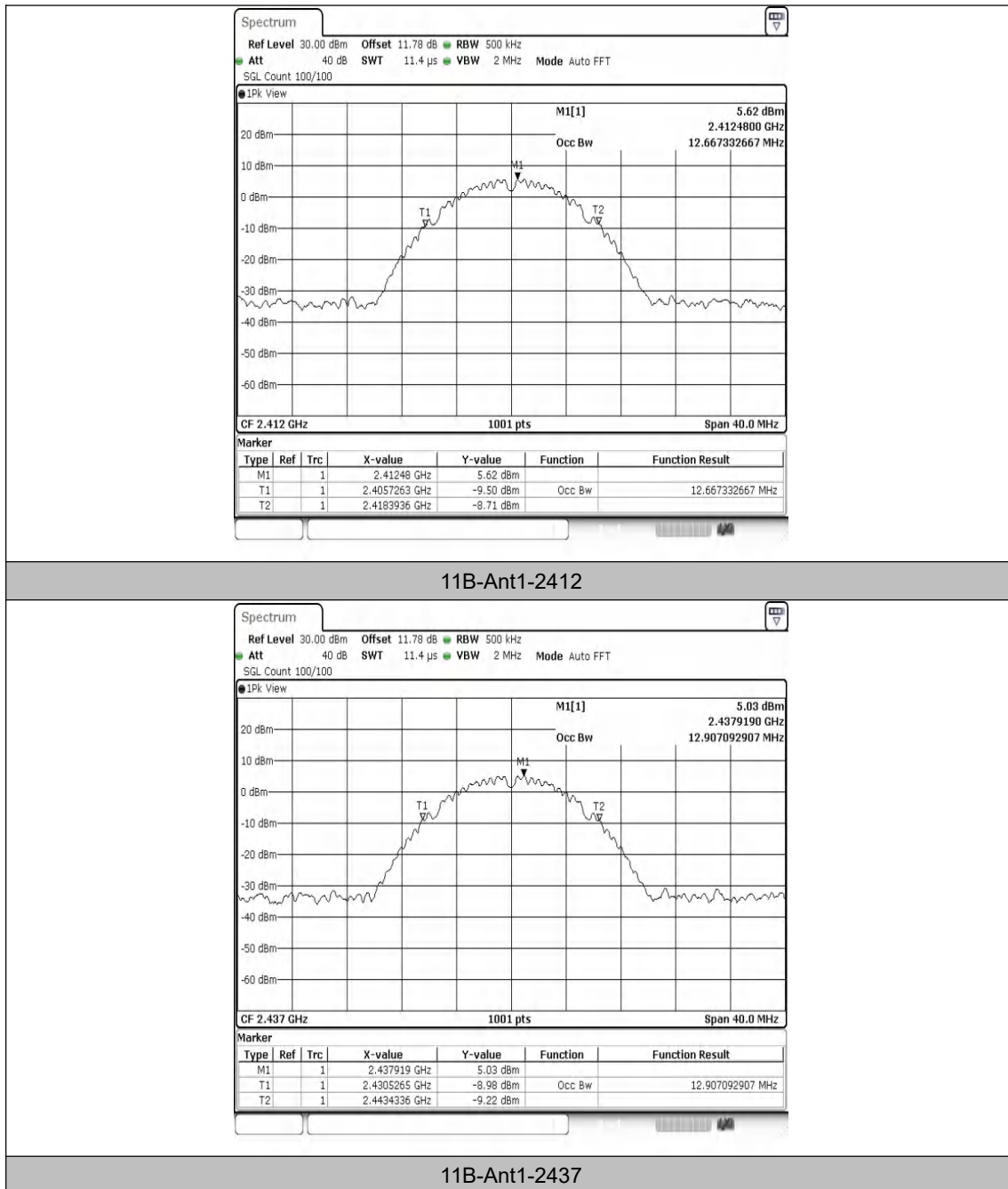
Appendix B: 99% Occupied Bandwidth

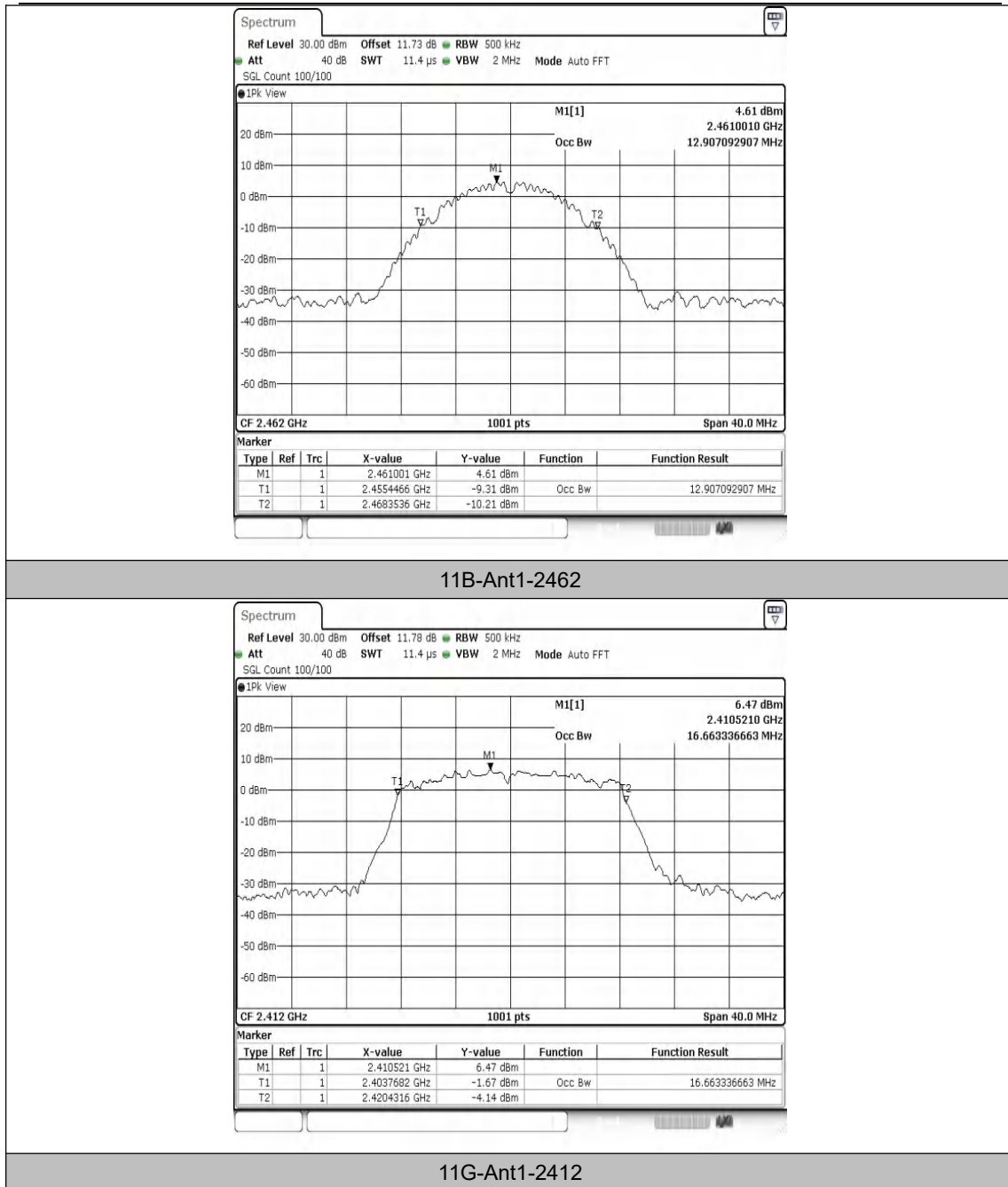
Test Result

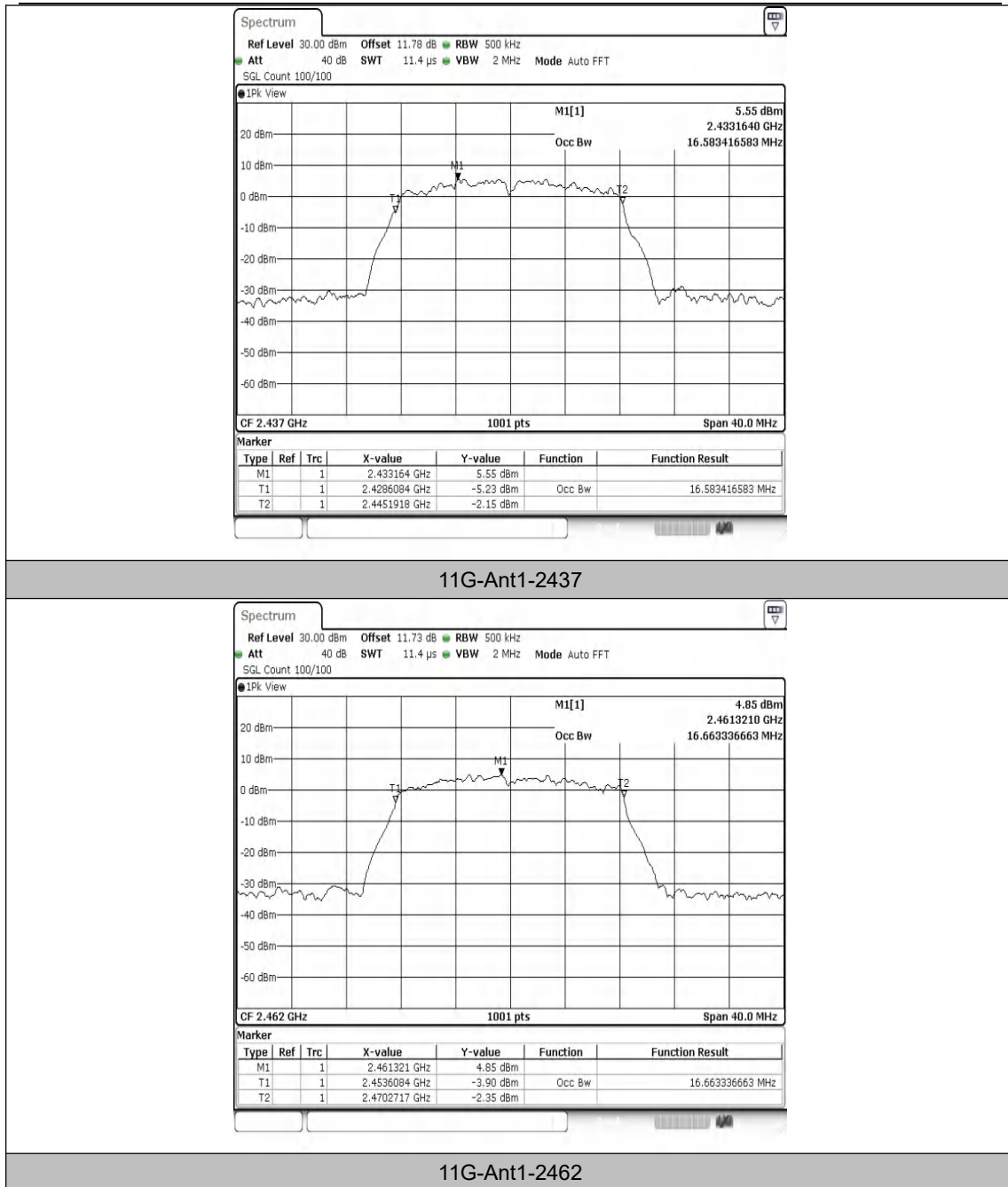
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.667	2405.7263	2418.3936	---	---
11B	Ant1	2437	12.907	2430.5265	2443.4336	---	---
11B	Ant1	2462	12.907	2455.4466	2468.3536	---	---
11G	Ant1	2412	16.663	2403.7682	2420.4316	---	---
11G	Ant1	2437	16.583	2428.6084	2445.1918	---	---
11G	Ant1	2462	16.663	2453.6084	2470.2717	---	---
11N20SISO	Ant1	2412	17.782	2403.1289	2420.9111	---	---
11N20SISO	Ant1	2437	17.782	2428.0889	2445.8711	---	---
11N20SISO	Ant1	2462	17.542	2453.1688	2470.7113	---	---

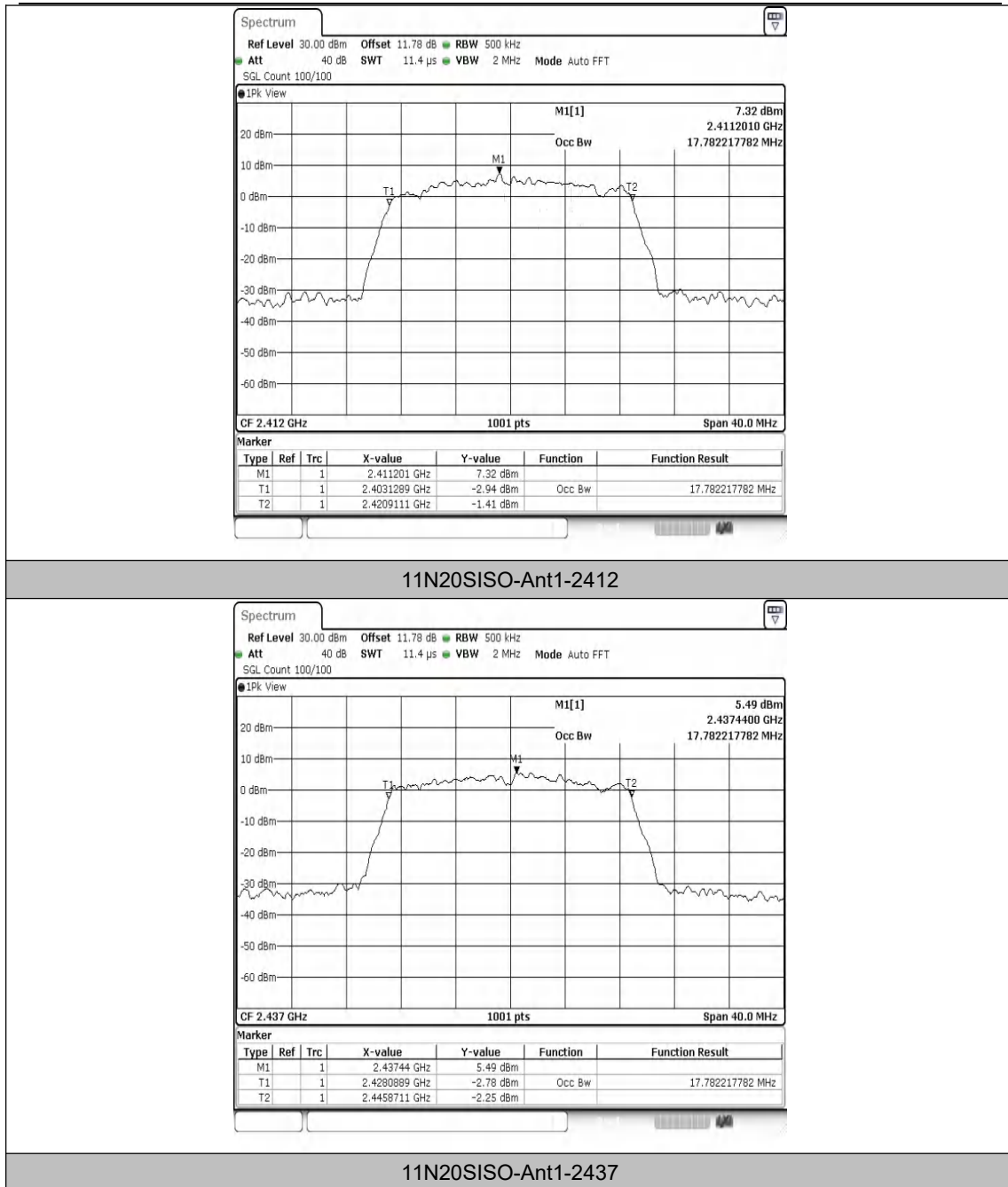


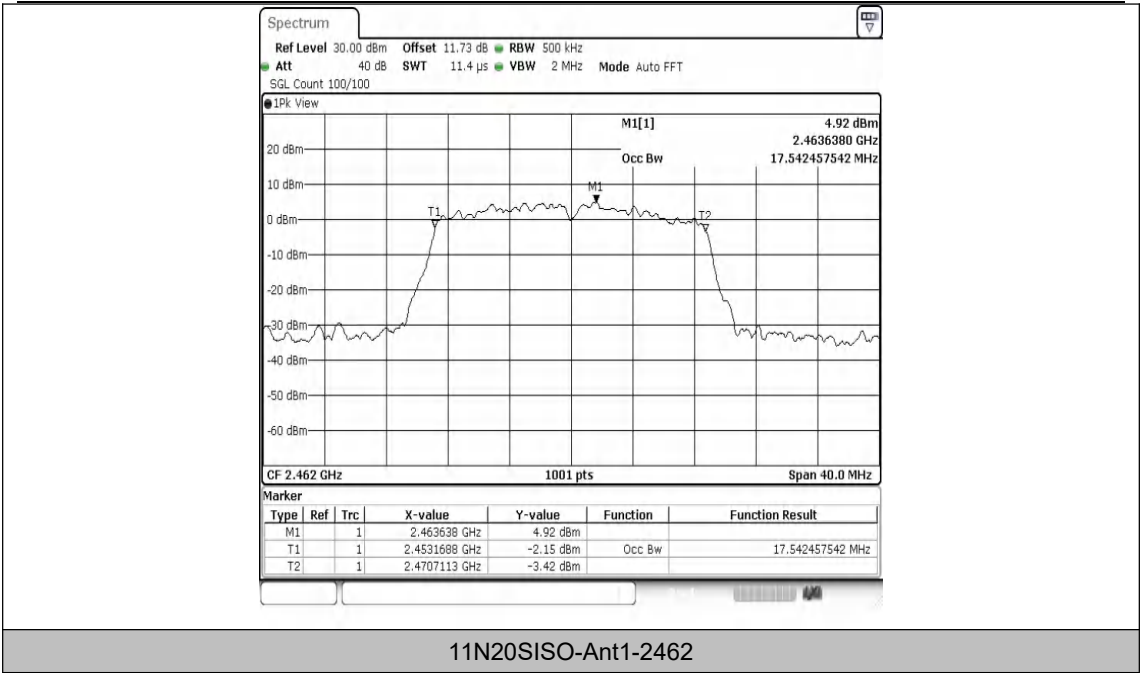
Test Graphs











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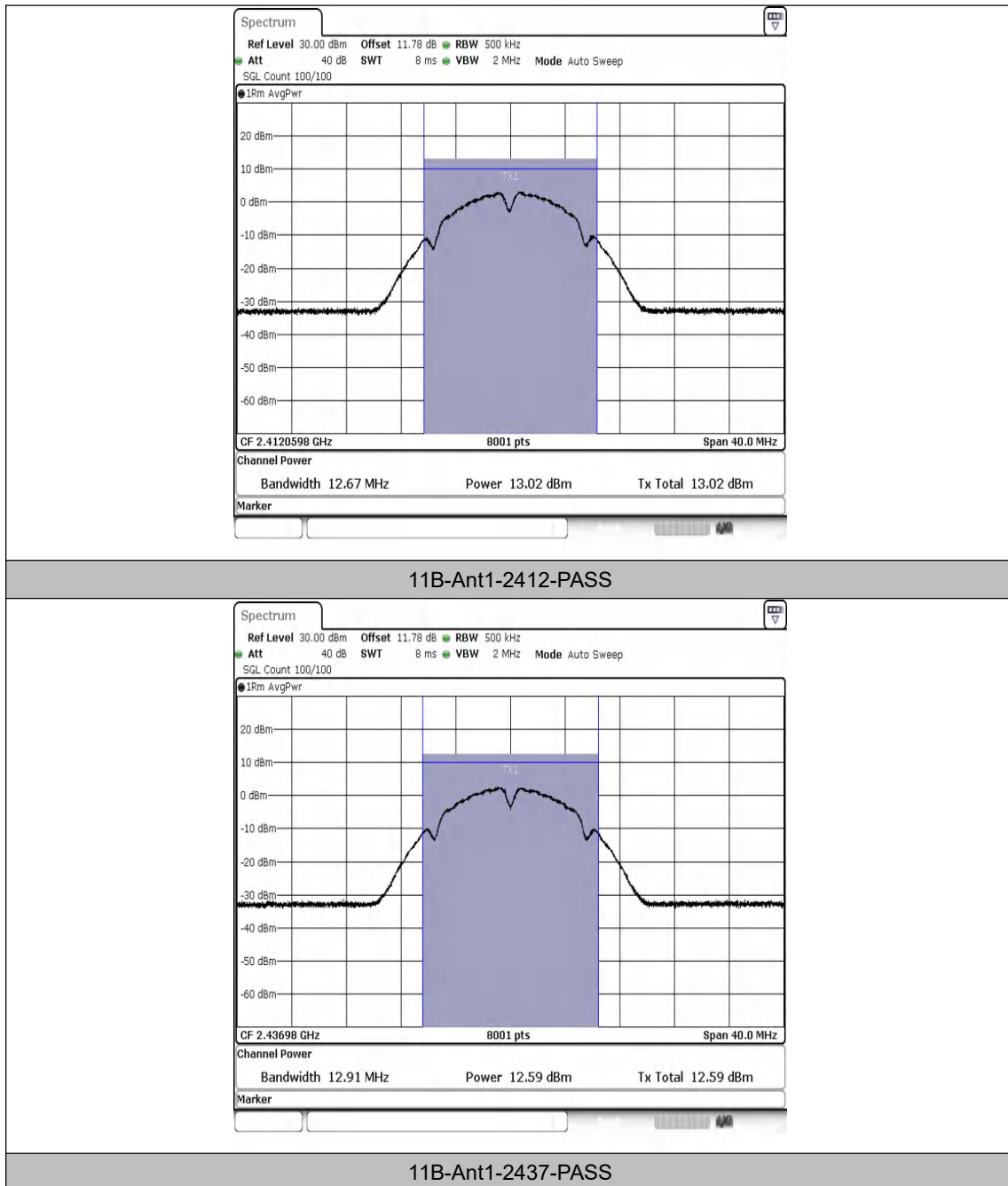
Appendix C: Maximum conducted output power

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	13.02	87.04	0.60	13.62	≤30.00	PASS
11B	Ant1	2437	NA	12.59	86.11	0.65	13.24	≤30.00	PASS
11B	Ant1	2462	NA	12.01	87.04	0.60	12.61	≤30.00	PASS
11G	Ant1	2412	NA	12.59	86.11	0.65	13.24	≤30.00	PASS
11G	Ant1	2437	NA	11.52	86.24	0.64	12.16	≤30.00	PASS
11G	Ant1	2462	NA	11.08	86.11	0.65	11.73	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.26	85.32	0.69	12.59	≤30.00	PASS
11N20SISO	Ant1	2437	NA	11.14	86.11	0.65	11.79	≤30.00	PASS
11N20SISO	Ant1	2462	NA	10.72	87.04	0.60	11.32	≤30.00	PASS



Test Graphs Average

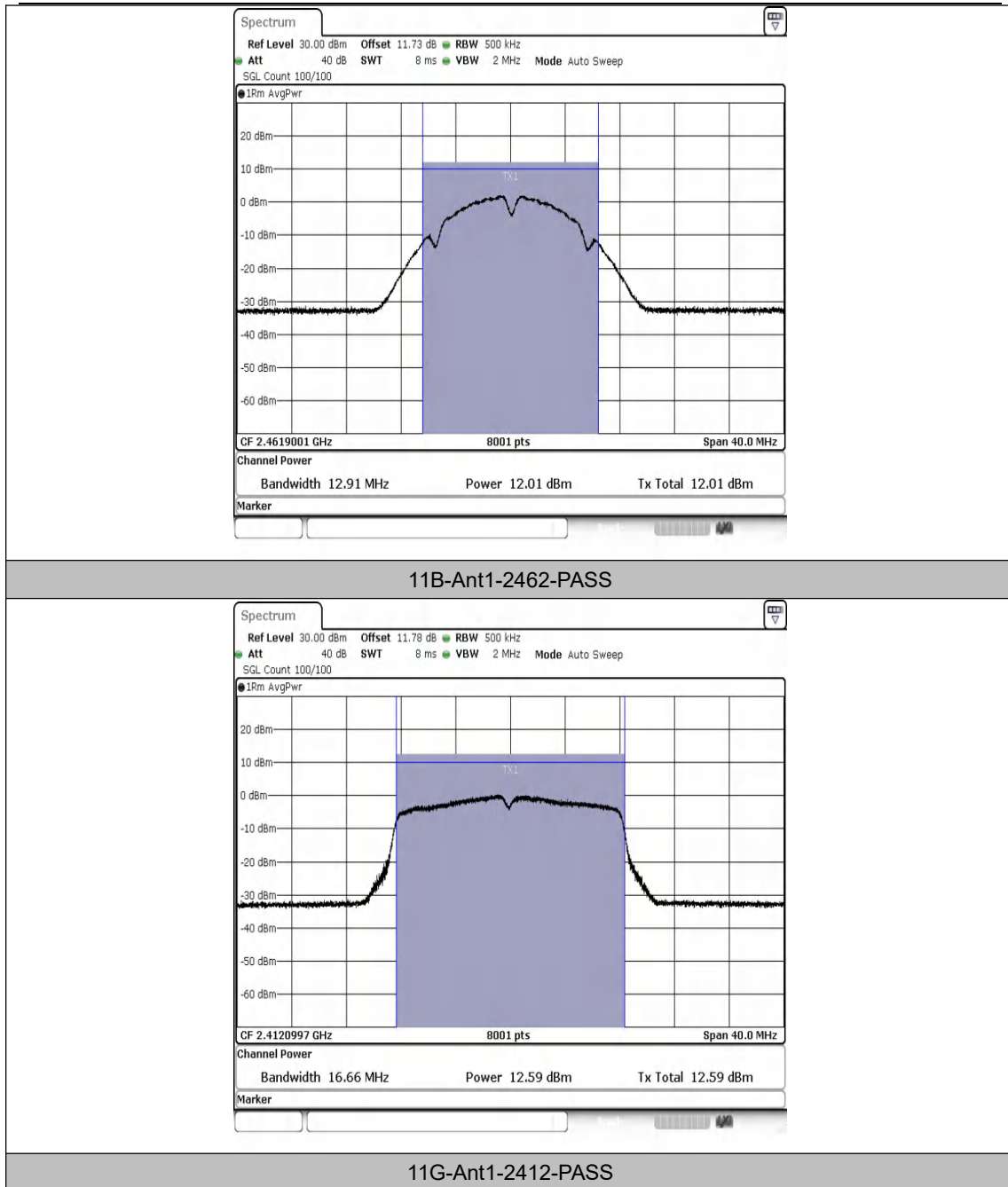


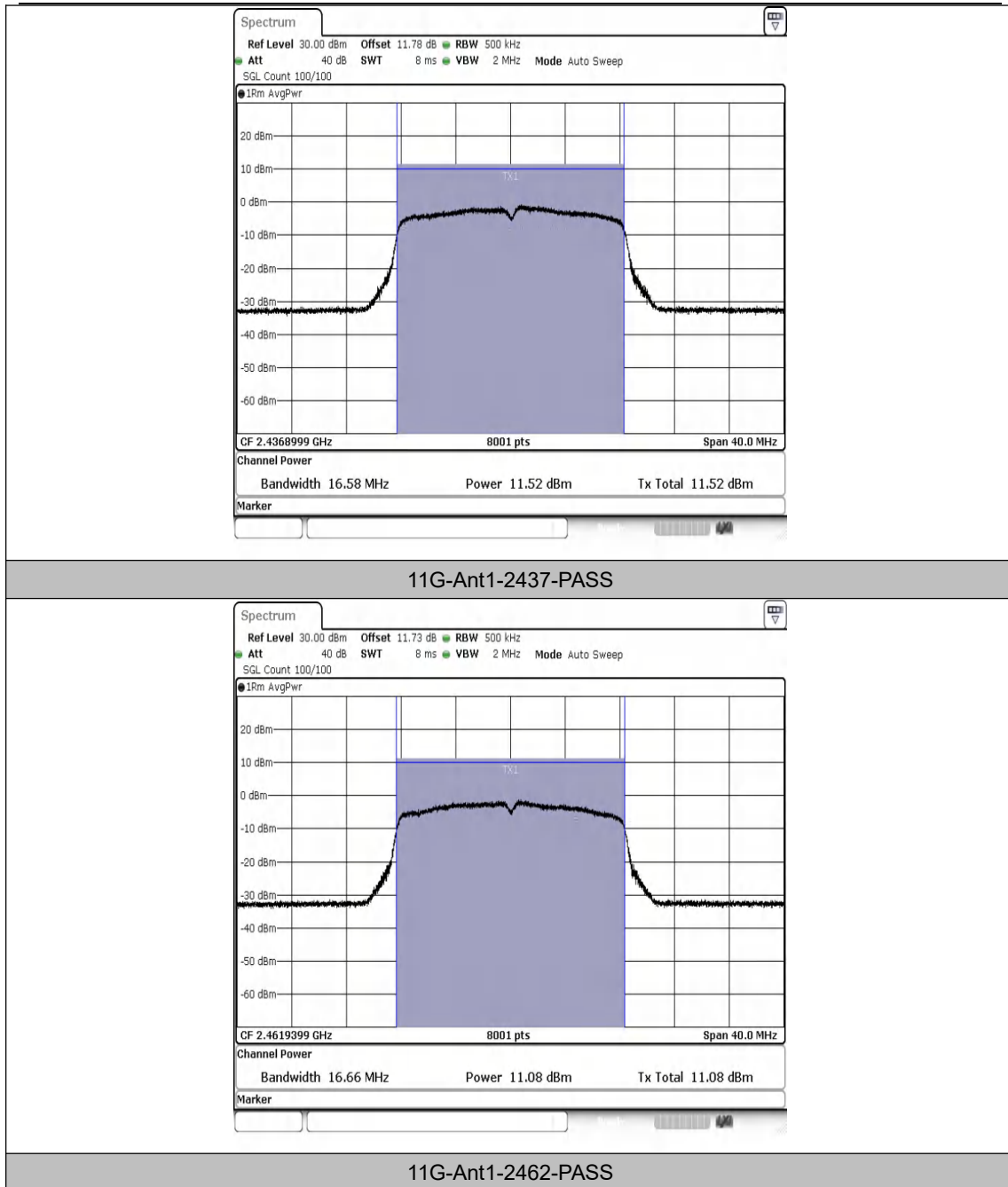
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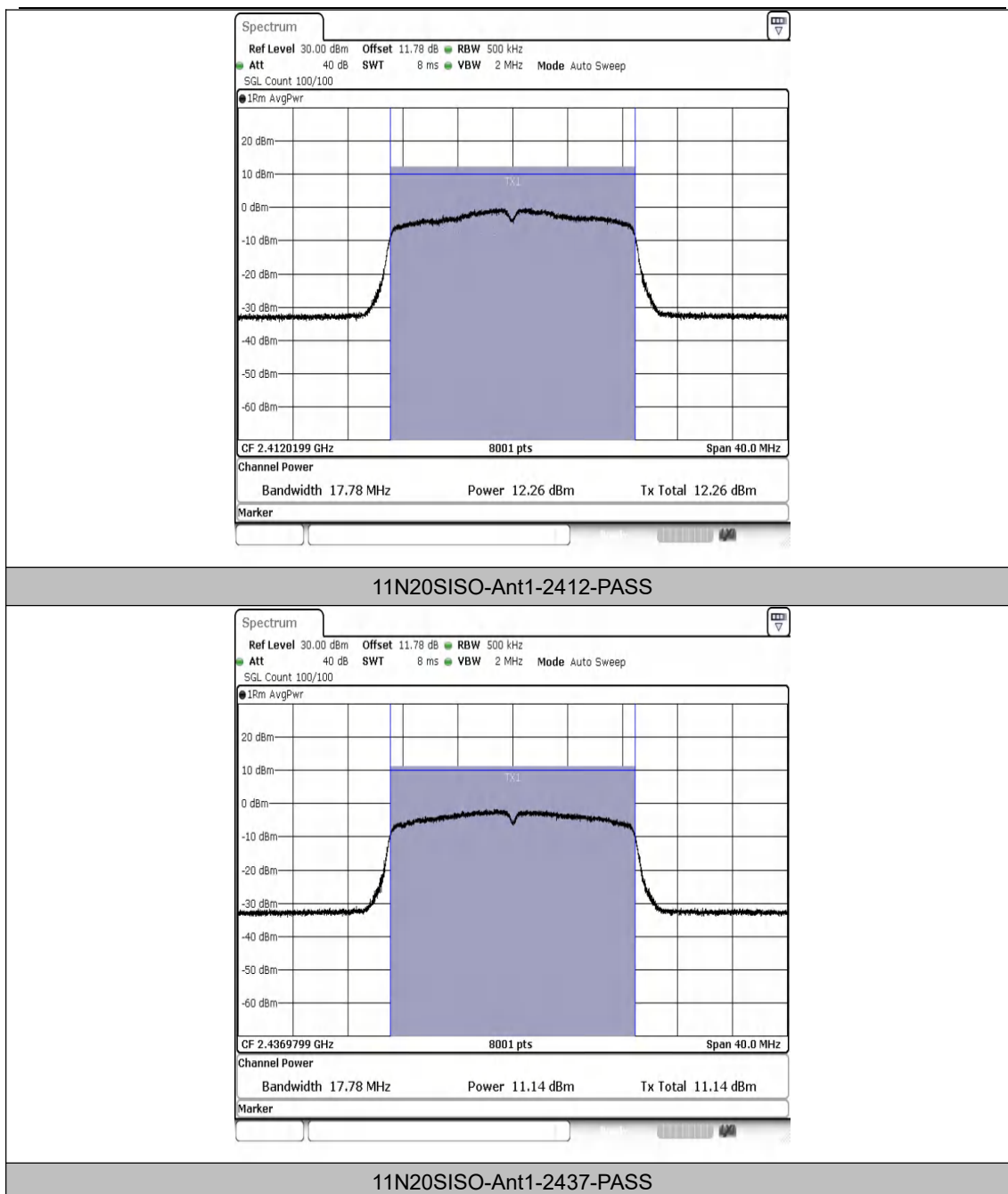
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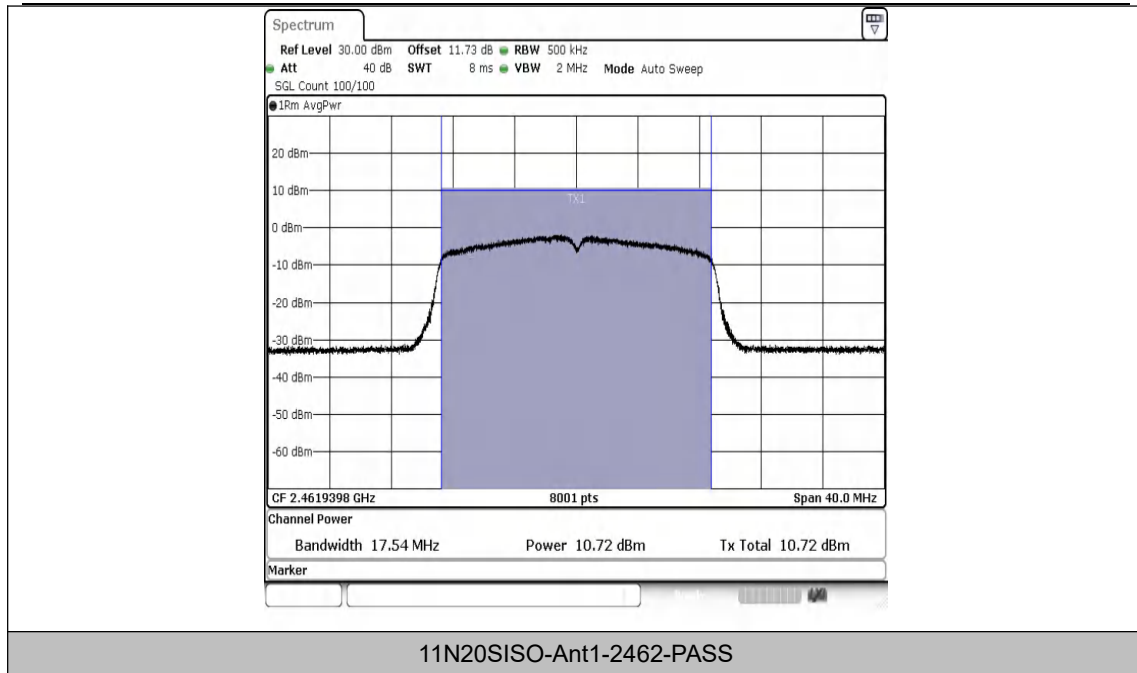


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Appendix D: Maximum power spectral density

Test Result

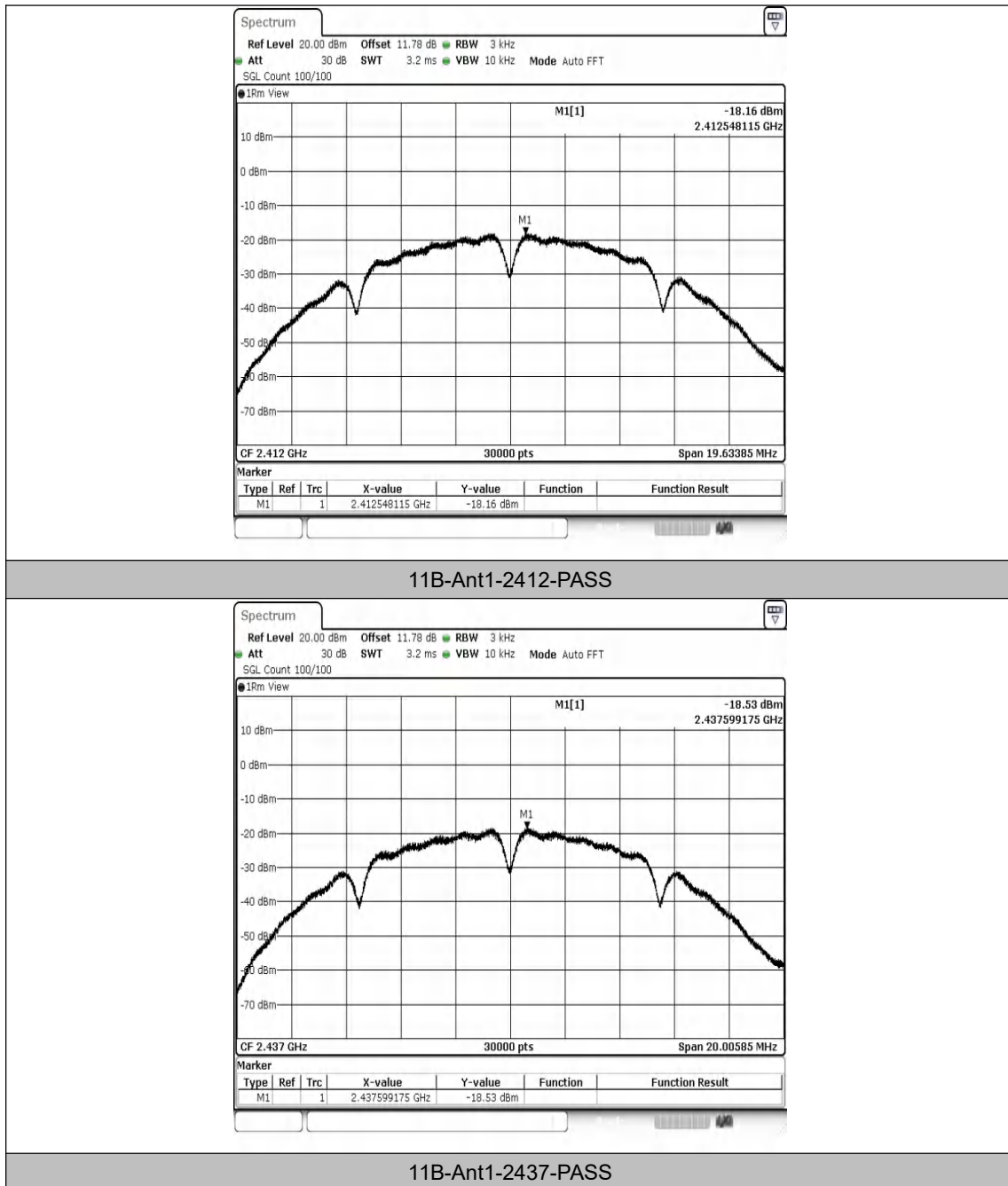
Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.16	0.60	-17.56	≤8.00	PASS
11B	Ant1	2437	-18.53	0.65	-17.88	≤8.00	PASS
11B	Ant1	2462	-18.62	0.60	-18.02	≤8.00	PASS
11G	Ant1	2412	-20.17	0.65	-19.52	≤8.00	PASS
11G	Ant1	2437	-21.19	0.64	-20.55	≤8.00	PASS
11G	Ant1	2462	-21.38	0.65	-20.73	≤8.00	PASS
11N20ISO	Ant1	2412	-20.18	0.69	-19.49	≤8.00	PASS
11N20ISO	Ant1	2437	-21.67	0.65	-21.02	≤8.00	PASS
11N20ISO	Ant1	2462	-22.08	0.60	-21.48	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.



Test Graphs

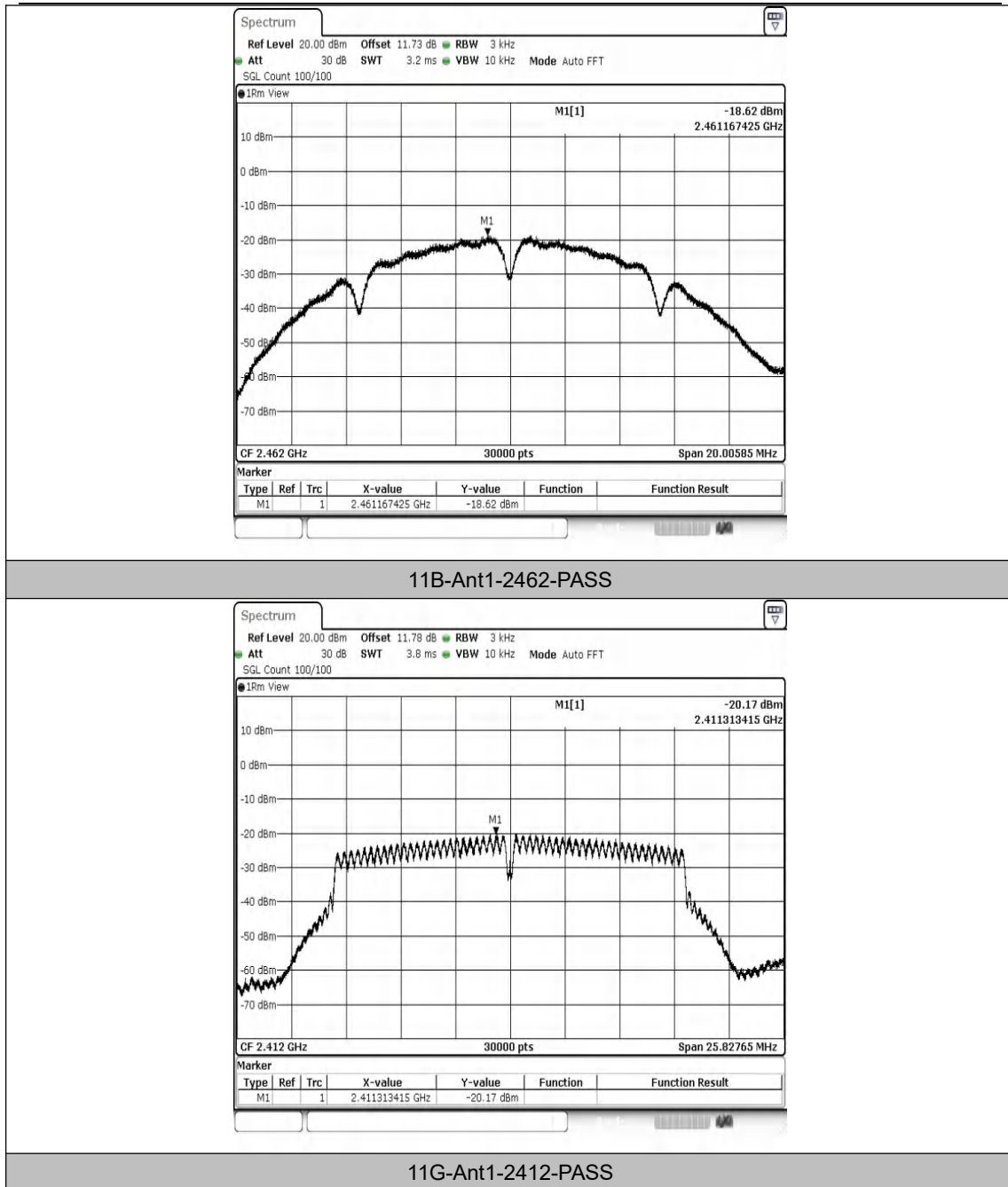


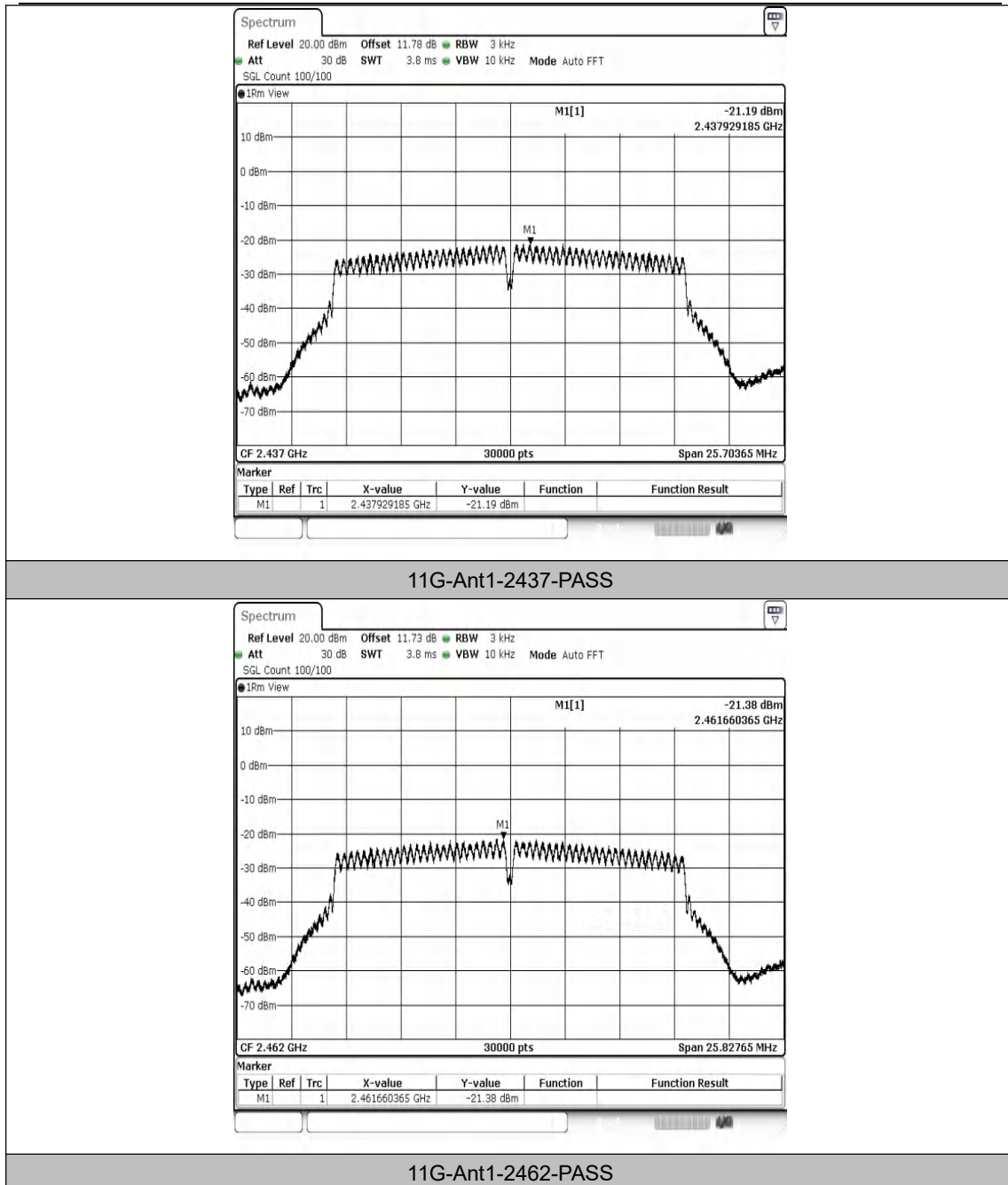
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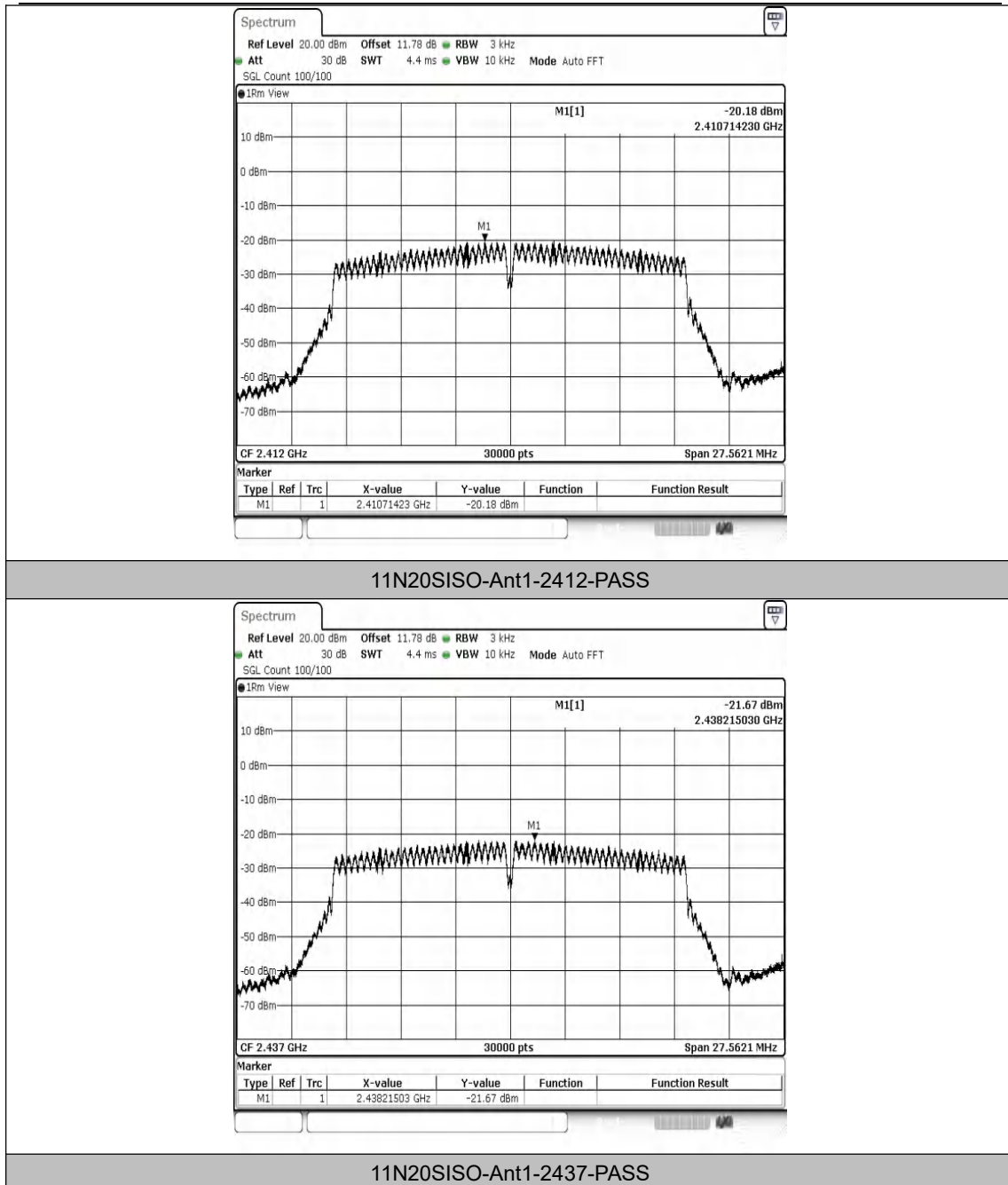
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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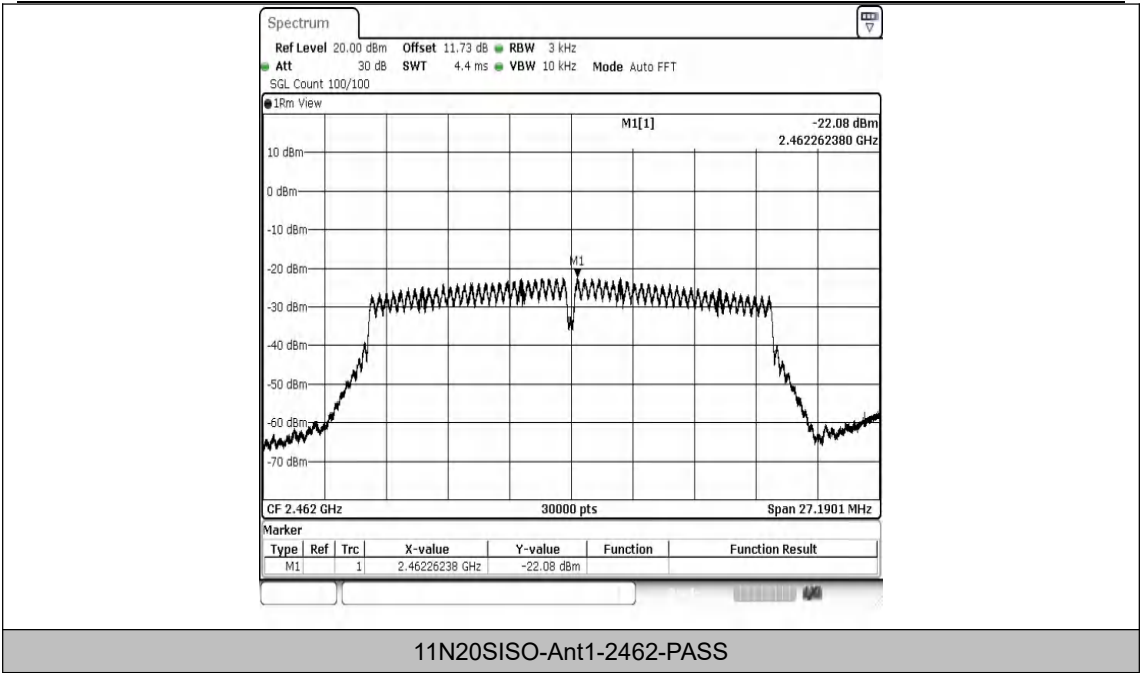
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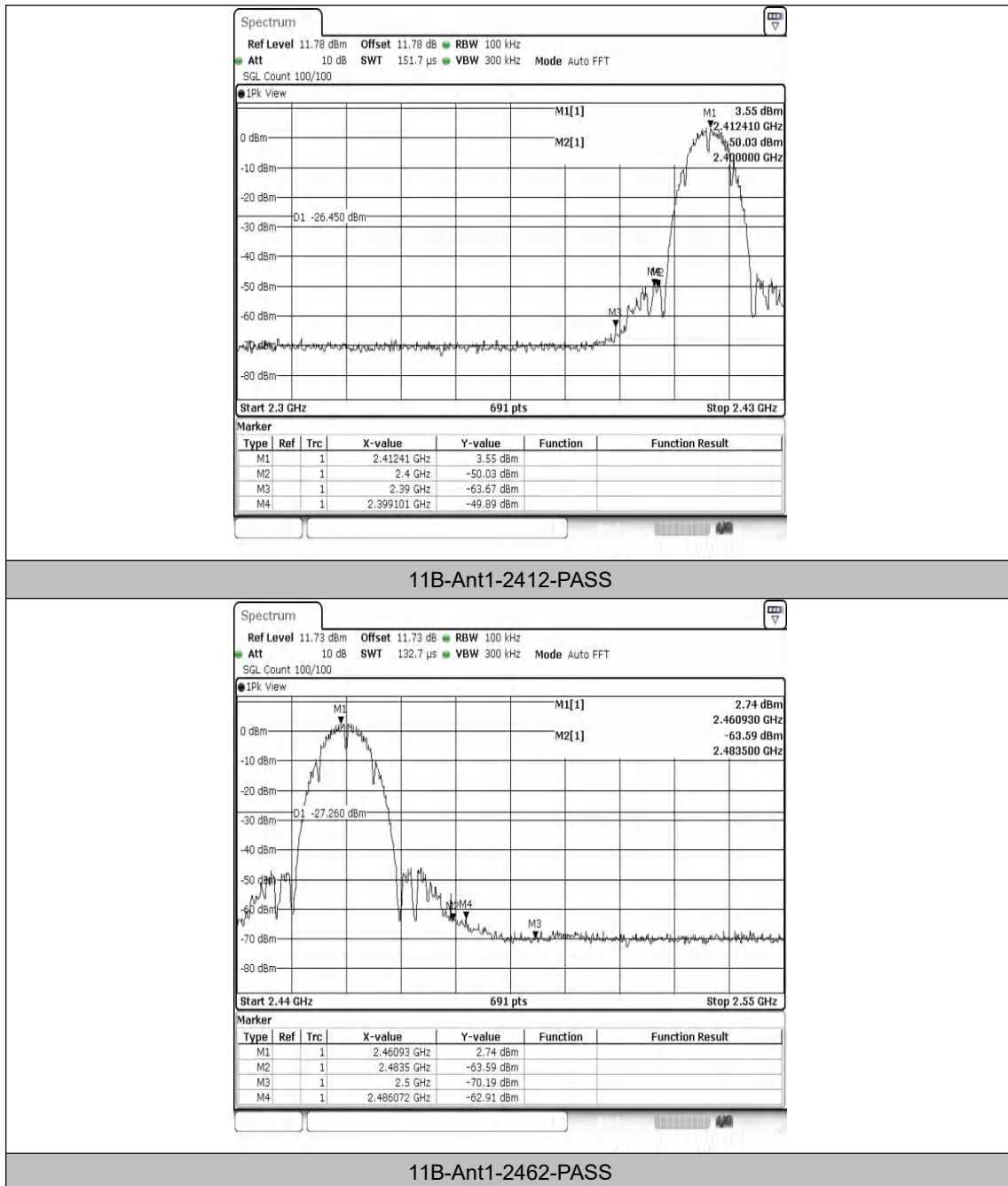
Appendix E: Conducted Band edge

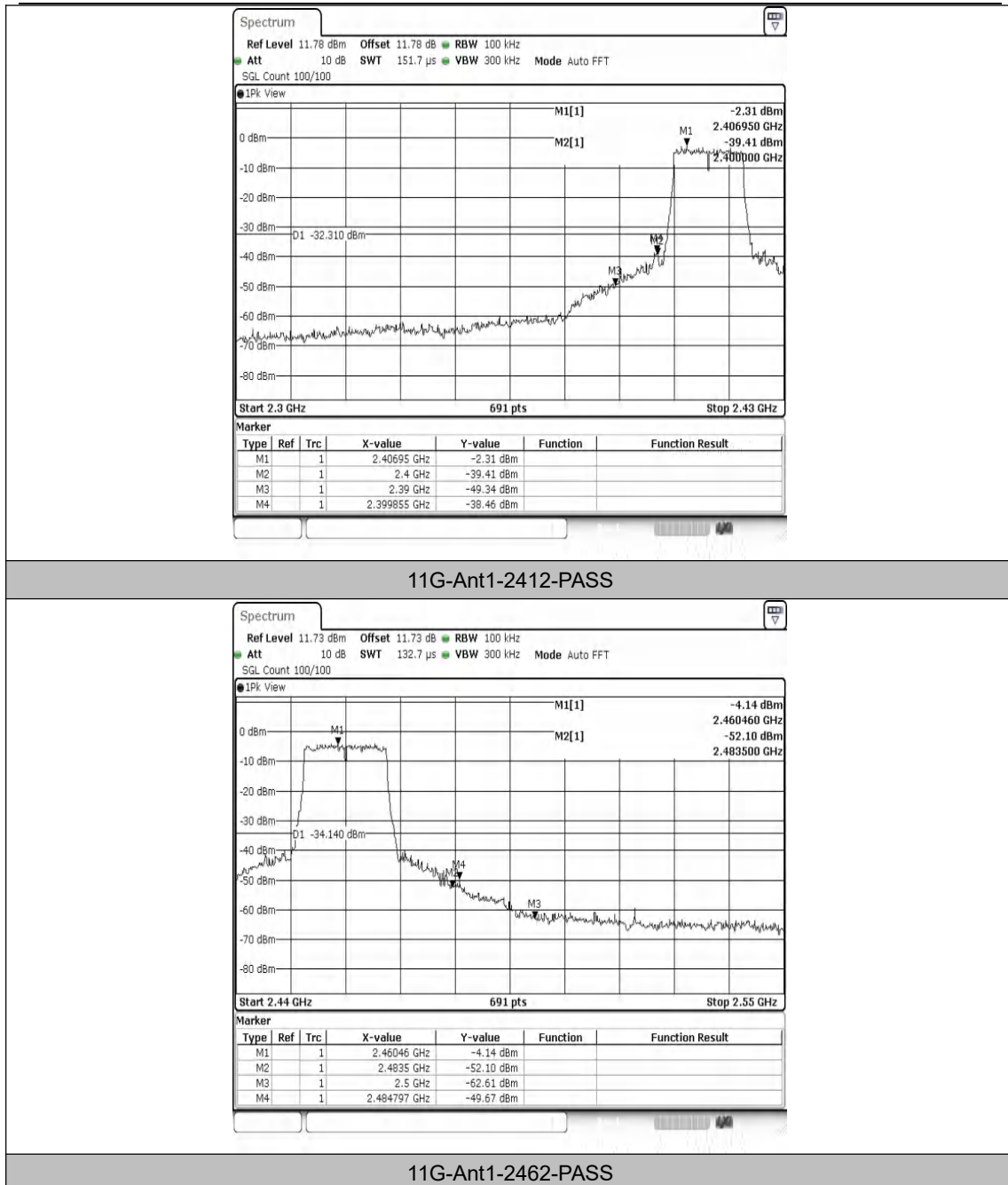
Test Result

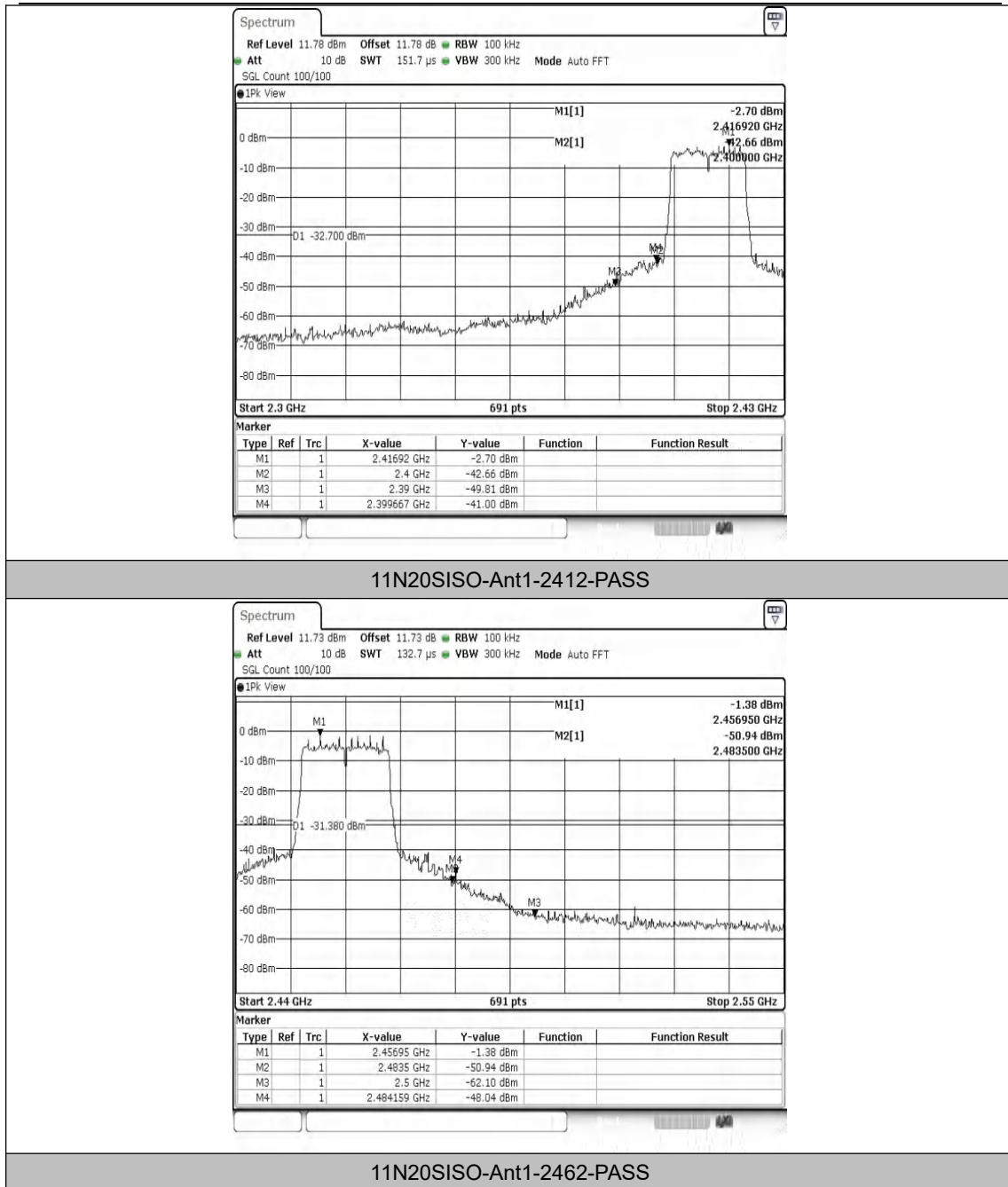
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.55	-49.89	≤-26.45	PASS
11B	Ant1	High	2462	2.74	-62.91	≤-27.26	PASS
11G	Ant1	Low	2412	-2.31	-38.46	≤-28.13	PASS
11G	Ant1	High	2462	-4.14	-49.67	≤-30.99	PASS
11N20SISO	Ant1	Low	2412	-2.70	-41	≤-29.76	PASS
11N20SISO	Ant1	High	2462	-1.38	-48.04	≤-30.71	PASS



Test Graphs







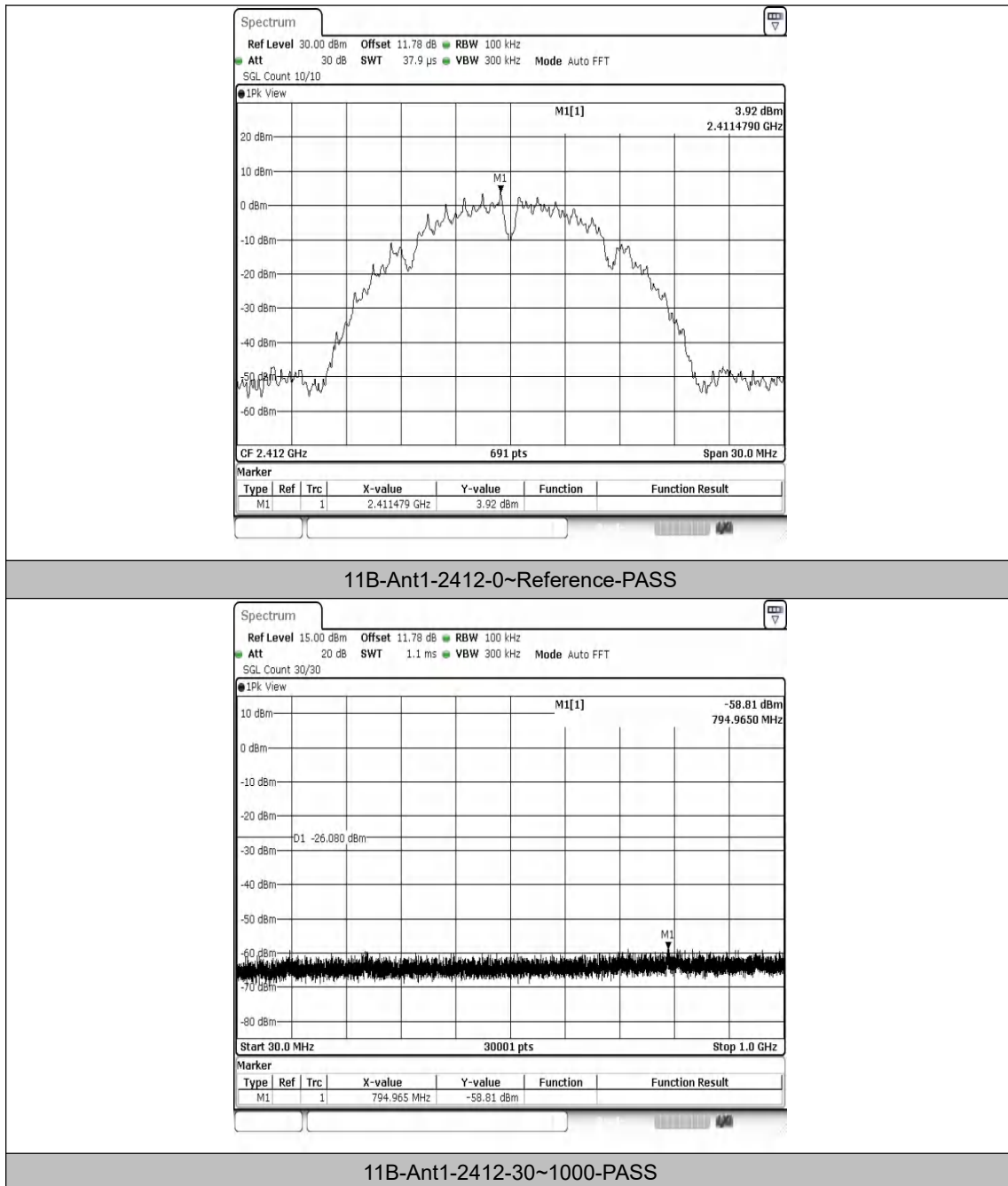
Appendix F: Conducted Spurious Emission

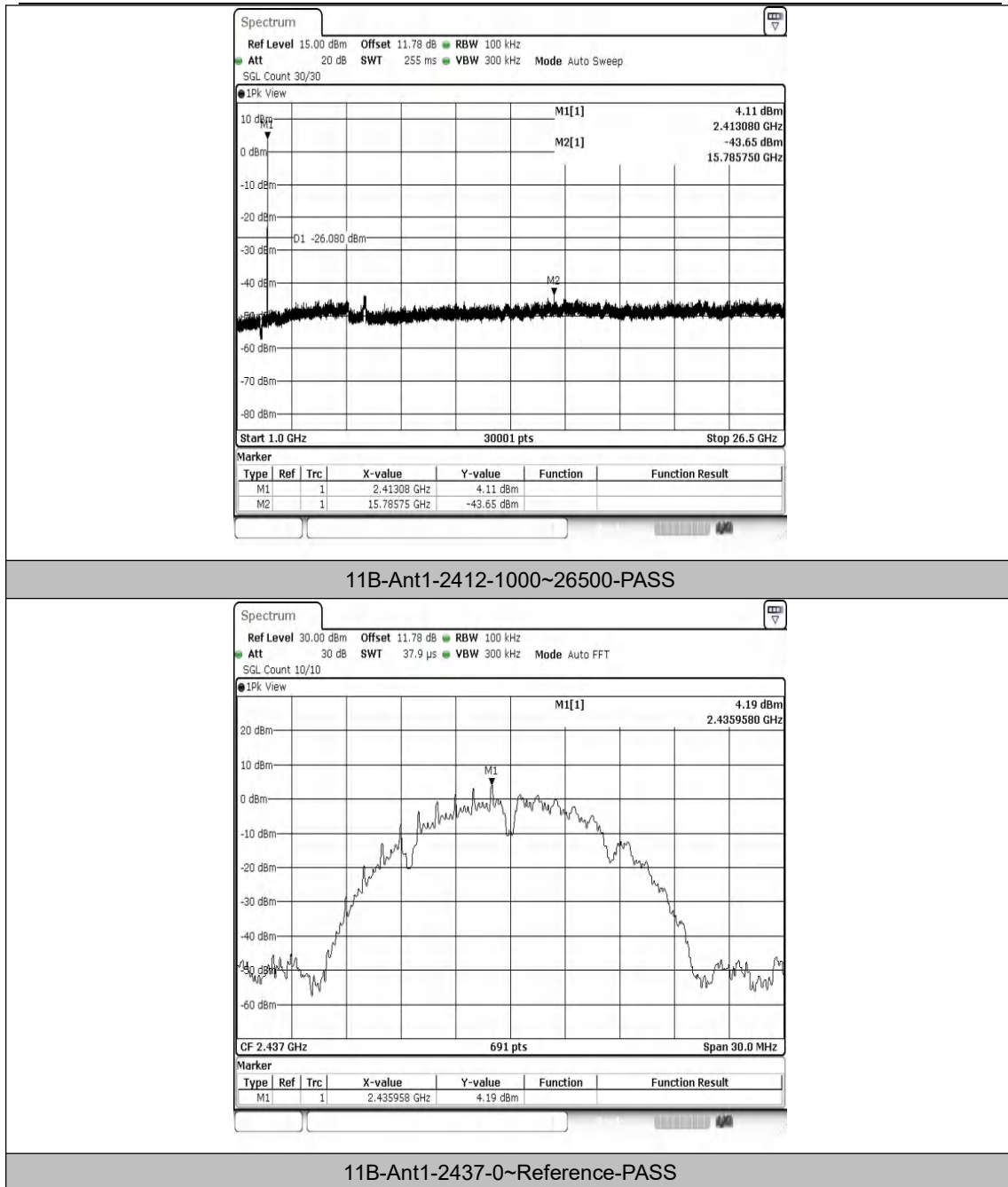
Test Result

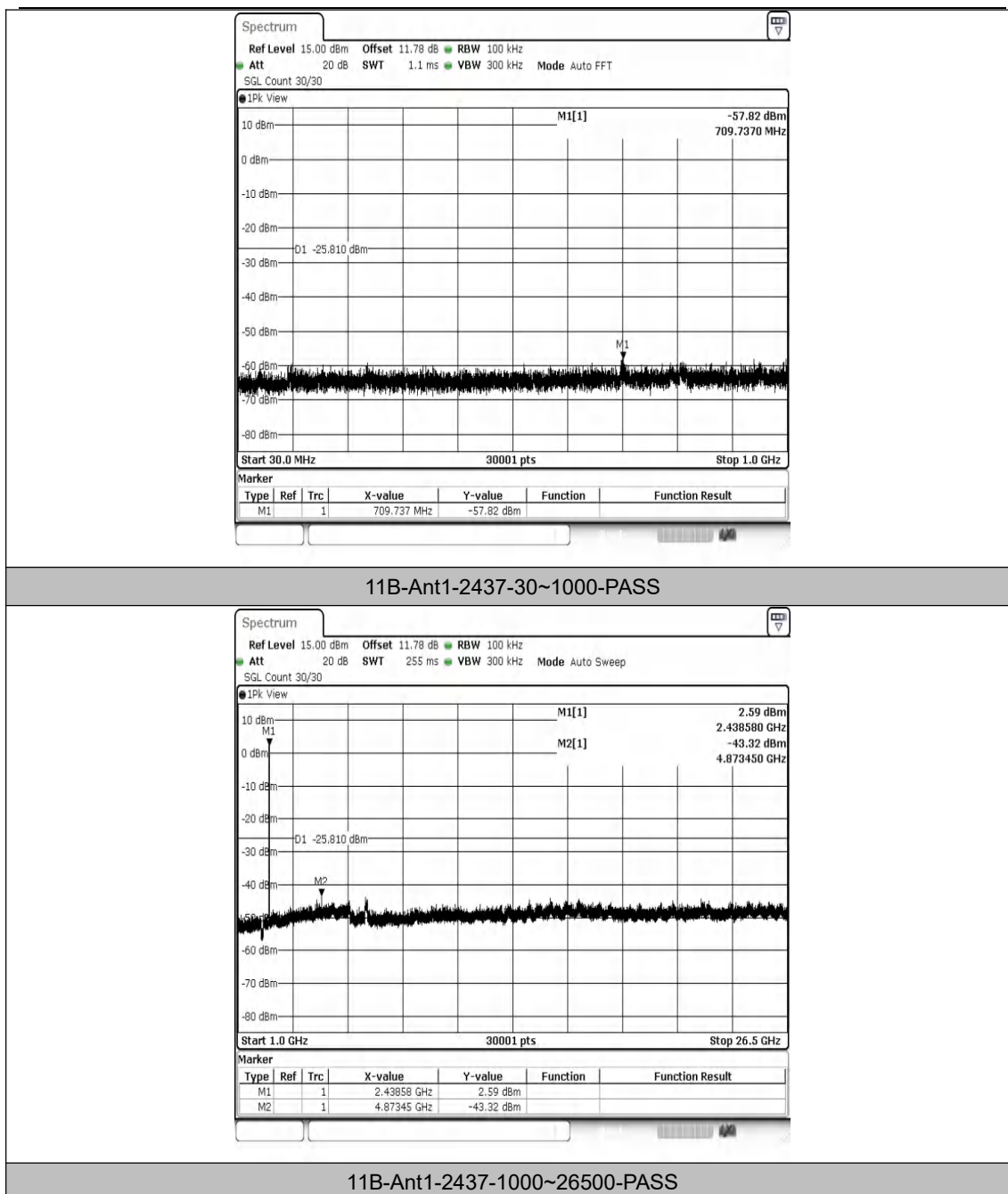
Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.92	3.92	---	PASS
11B	Ant1	2412	30~1000	3.92	-58.81	≤-26.08	PASS
11B	Ant1	2412	1000~26500	3.92	-43.65	≤-26.08	PASS
11B	Ant1	2437	0~Reference	4.19	4.19	---	PASS
11B	Ant1	2437	30~1000	4.19	-57.82	≤-25.81	PASS
11B	Ant1	2437	1000~26500	4.19	-43.32	≤-25.81	PASS
11B	Ant1	2462	0~Reference	2.98	2.98	---	PASS
11B	Ant1	2462	30~1000	2.98	-57.99	≤-27.02	PASS
11B	Ant1	2462	1000~26500	2.98	-44.04	≤-27.02	PASS
11G	Ant1	2412	0~Reference	0.21	0.21	---	PASS
11G	Ant1	2412	30~1000	0.21	-58.3	≤-29.79	PASS
11G	Ant1	2412	1000~26500	0.21	-43.81	≤-29.79	PASS
11G	Ant1	2437	0~Reference	-2.03	-2.03	---	PASS
11G	Ant1	2437	30~1000	-2.03	-57.56	≤-32.03	PASS
11G	Ant1	2437	1000~26500	-2.03	-43.14	≤-32.03	PASS
11G	Ant1	2462	0~Reference	-1.90	-1.90	---	PASS
11G	Ant1	2462	30~1000	-1.90	-58.4	≤-31.9	PASS
11G	Ant1	2462	1000~26500	-1.90	-43.49	≤-31.9	PASS
11N20SISO	Ant1	2412	0~Reference	-0.95	-0.95	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.95	-58.01	≤-30.95	PASS
11N20SISO	Ant1	2412	1000~26500	-0.95	-43.98	≤-30.95	PASS
11N20SISO	Ant1	2437	0~Reference	-0.91	-0.91	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.91	-58.14	≤-30.91	PASS
11N20SISO	Ant1	2437	1000~26500	-0.91	-44.49	≤-30.91	PASS
11N20SISO	Ant1	2462	0~Reference	-2.44	-2.44	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.44	-58.55	≤-32.44	PASS
11N20SISO	Ant1	2462	1000~26500	-2.44	-44.15	≤-32.44	PASS

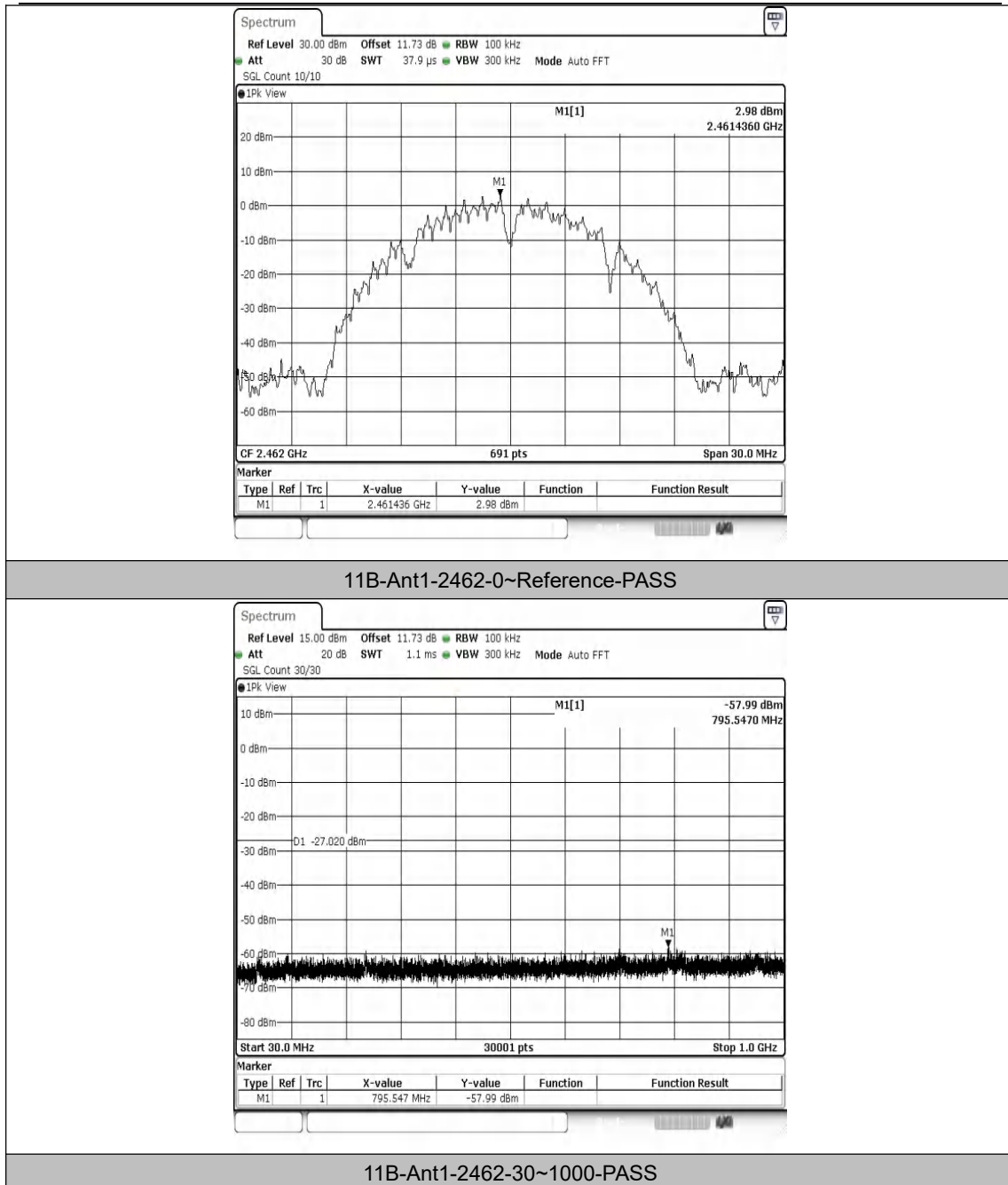


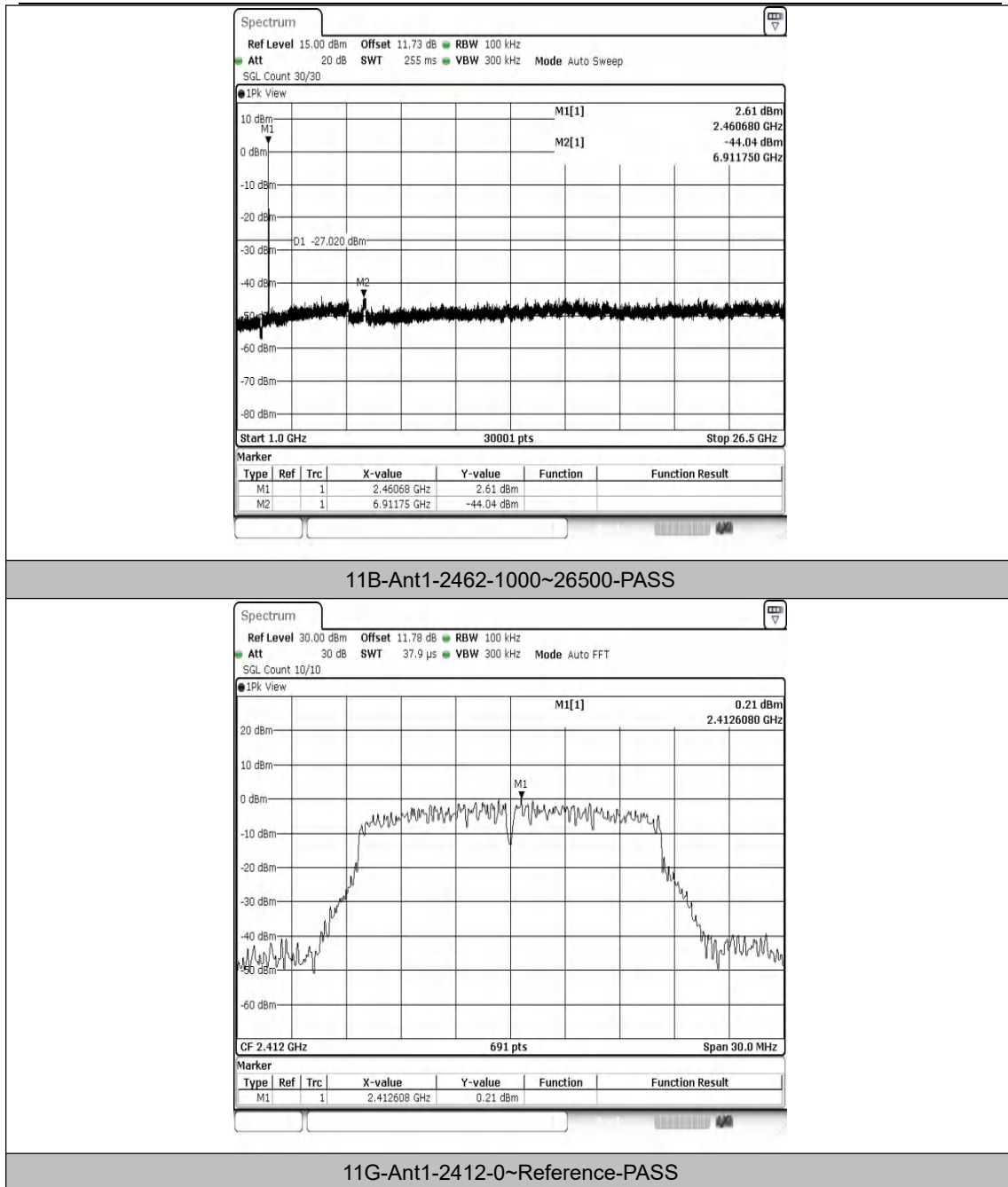
Test Graphs

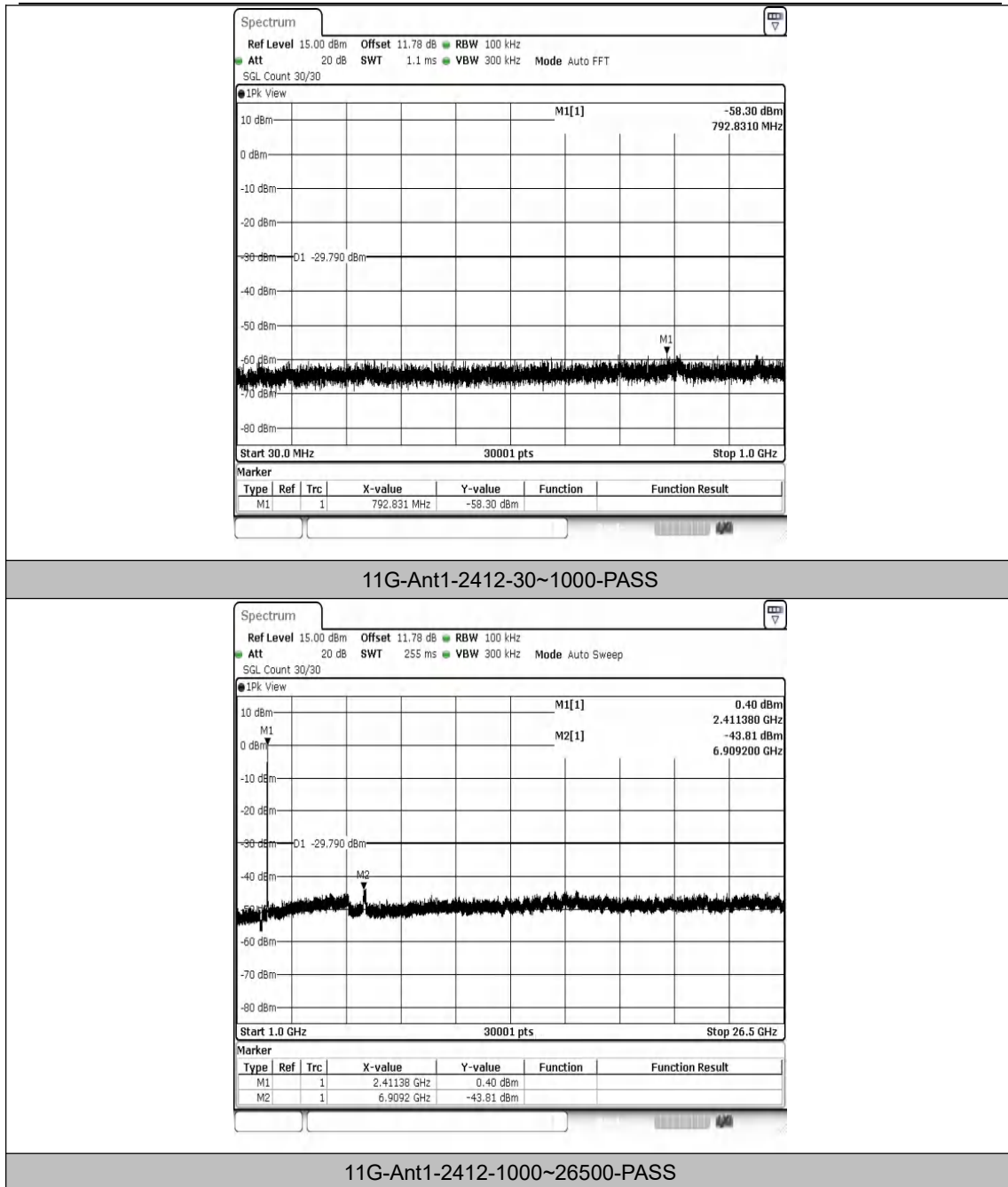


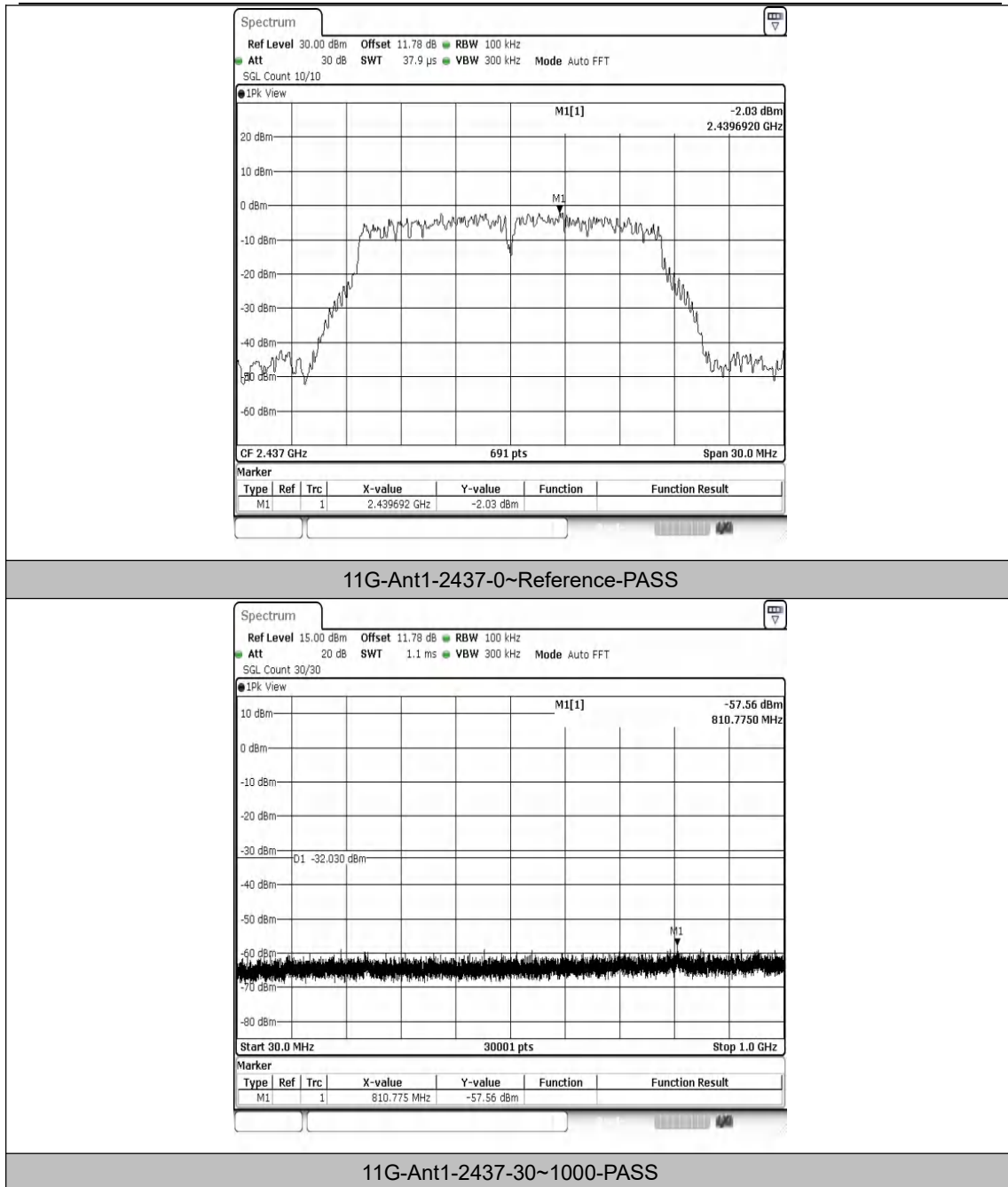


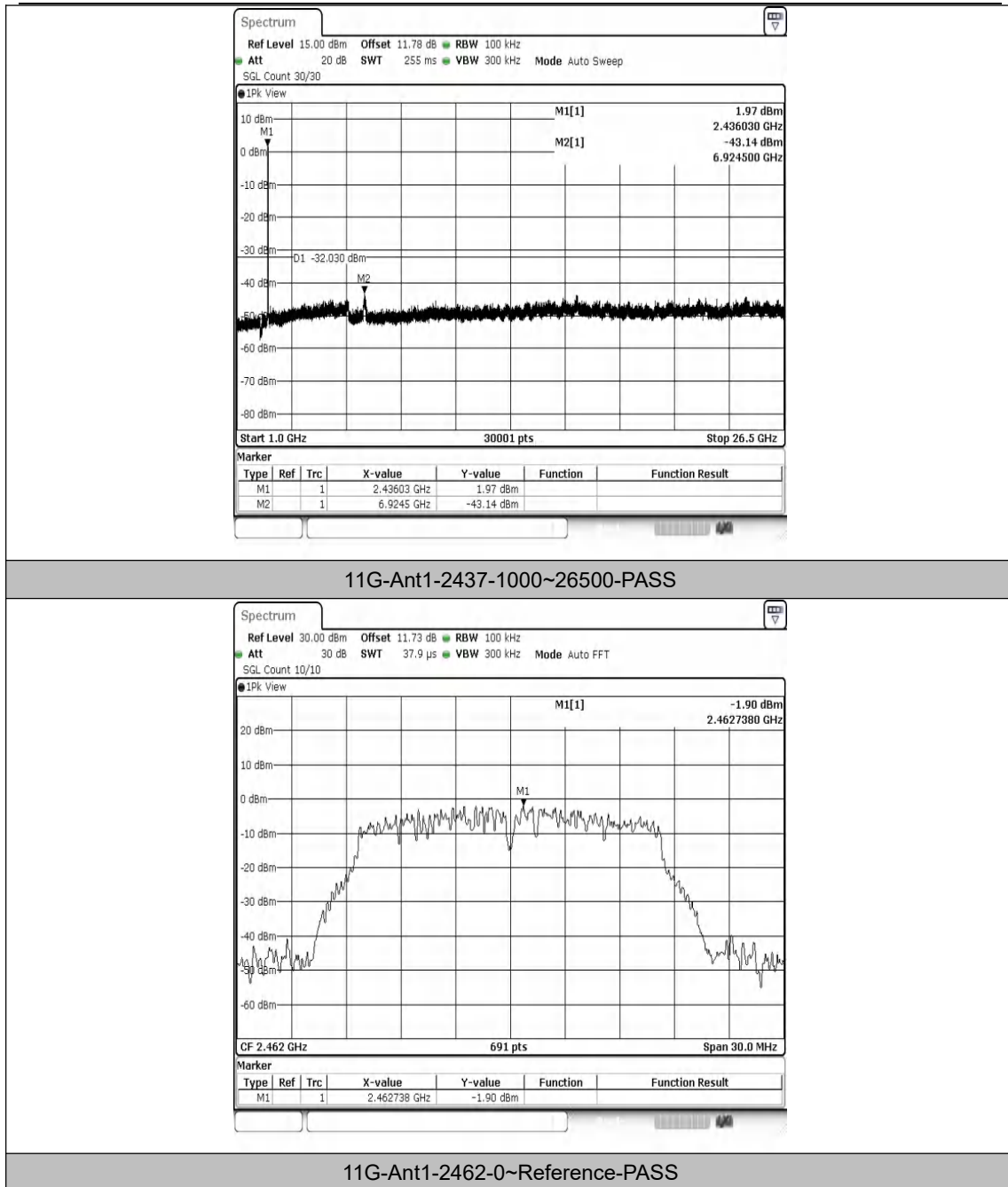


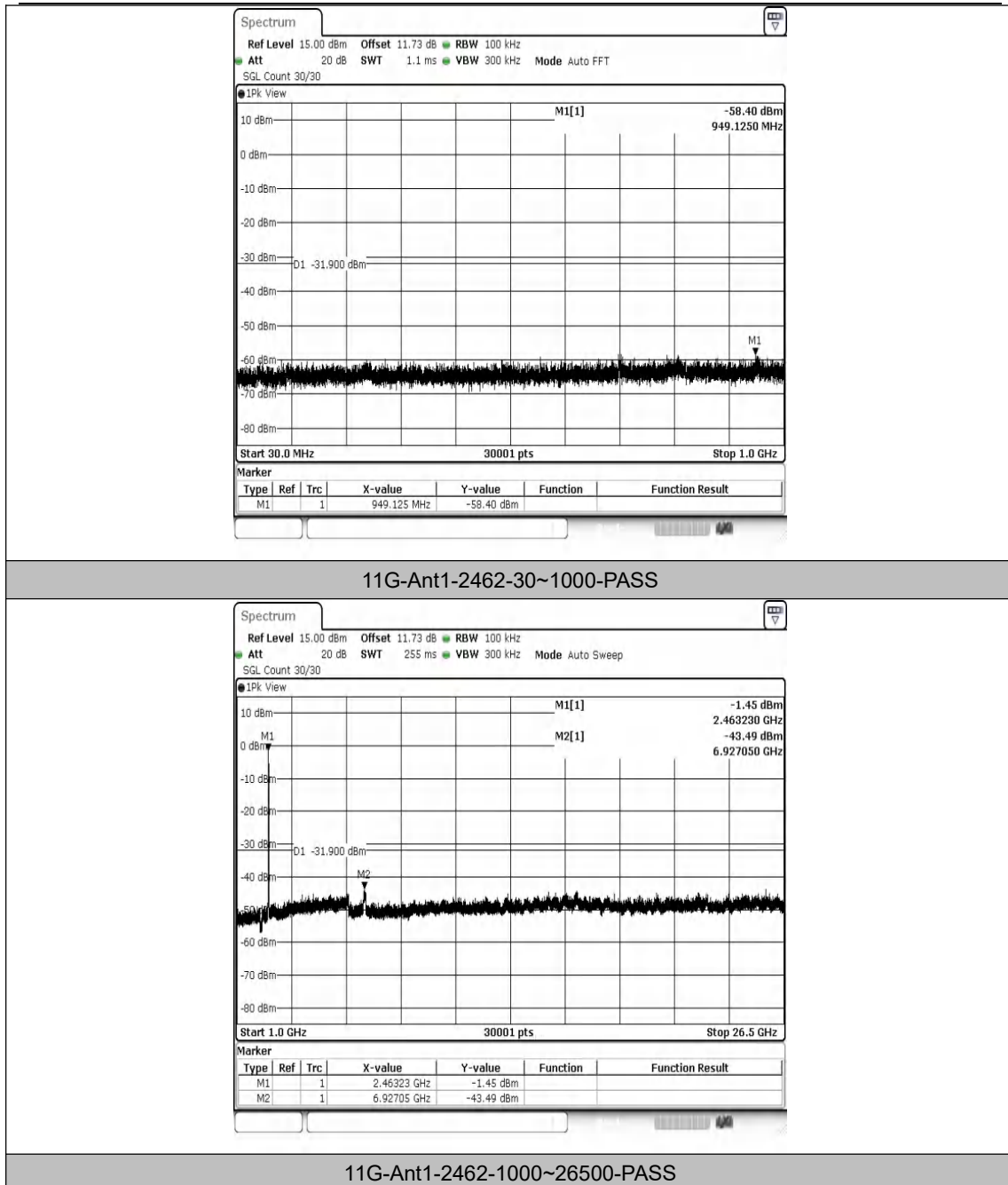


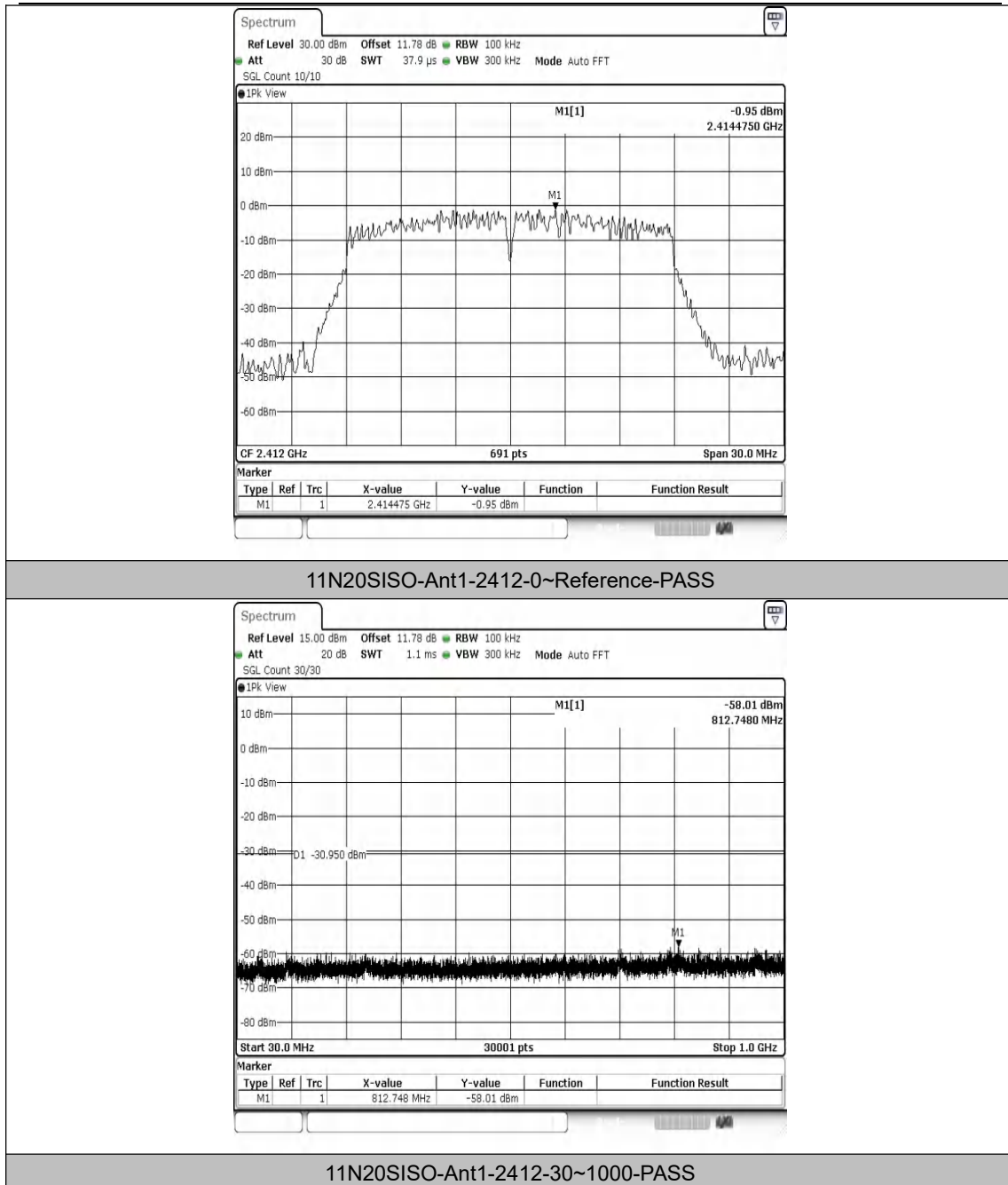


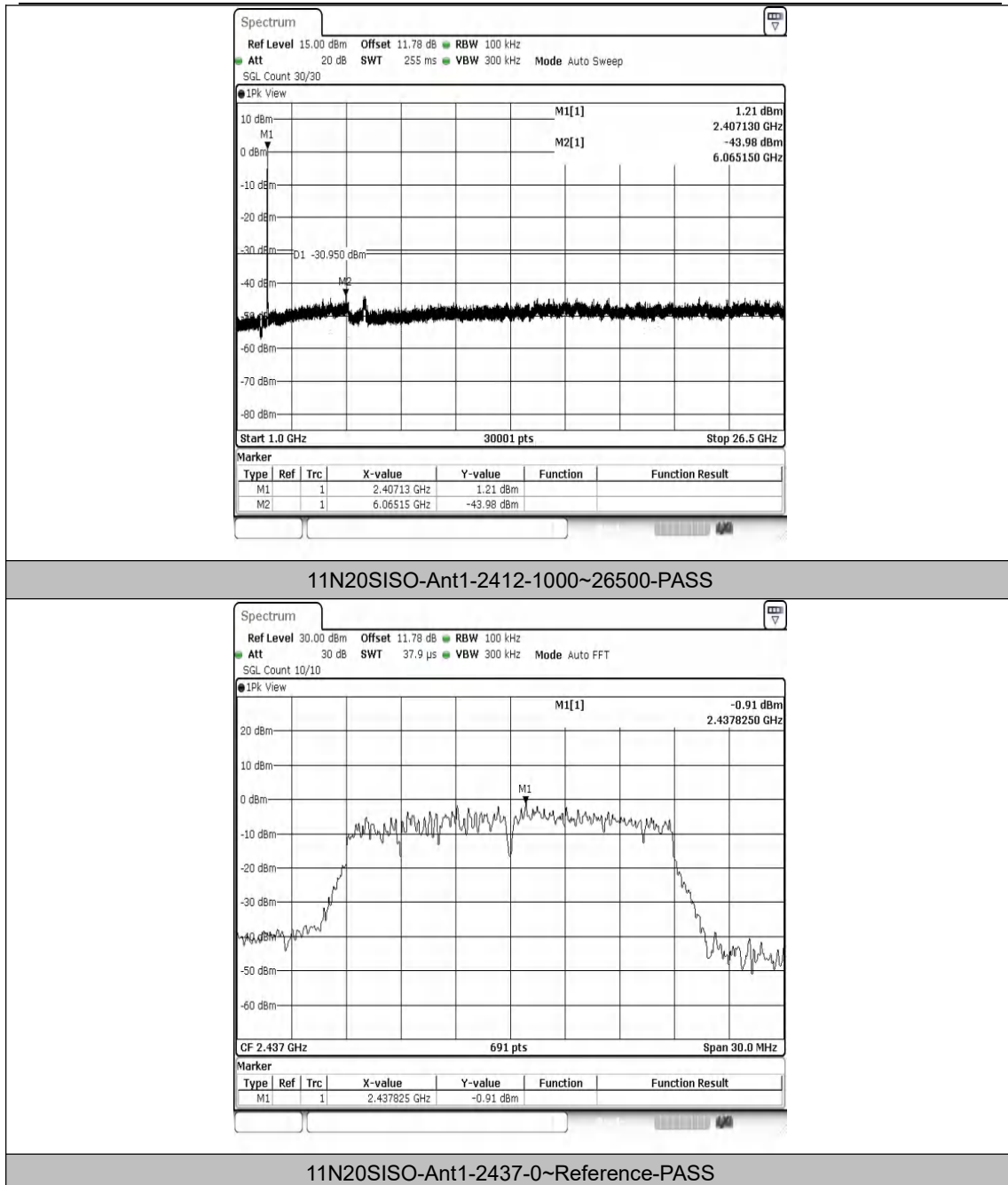


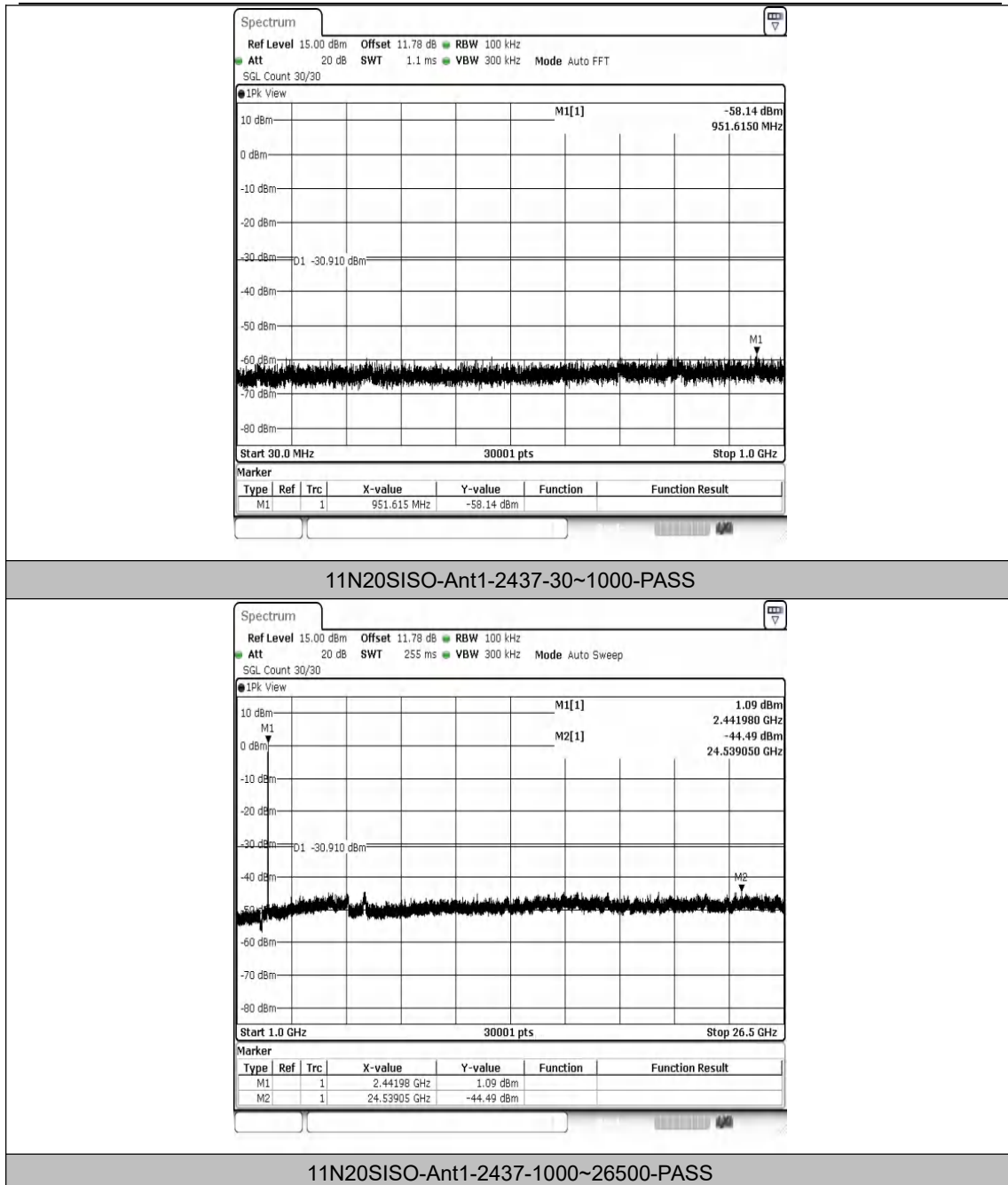


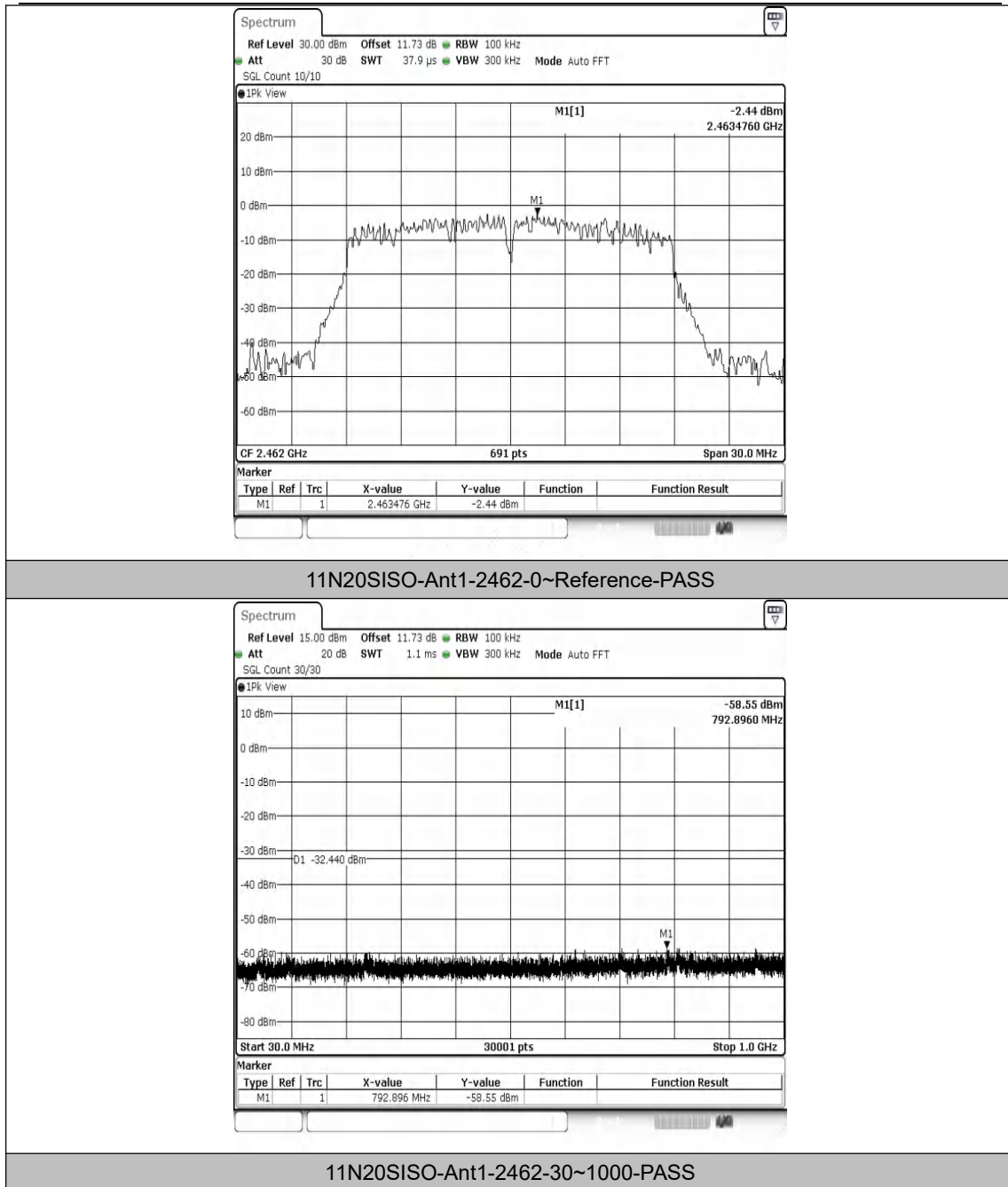


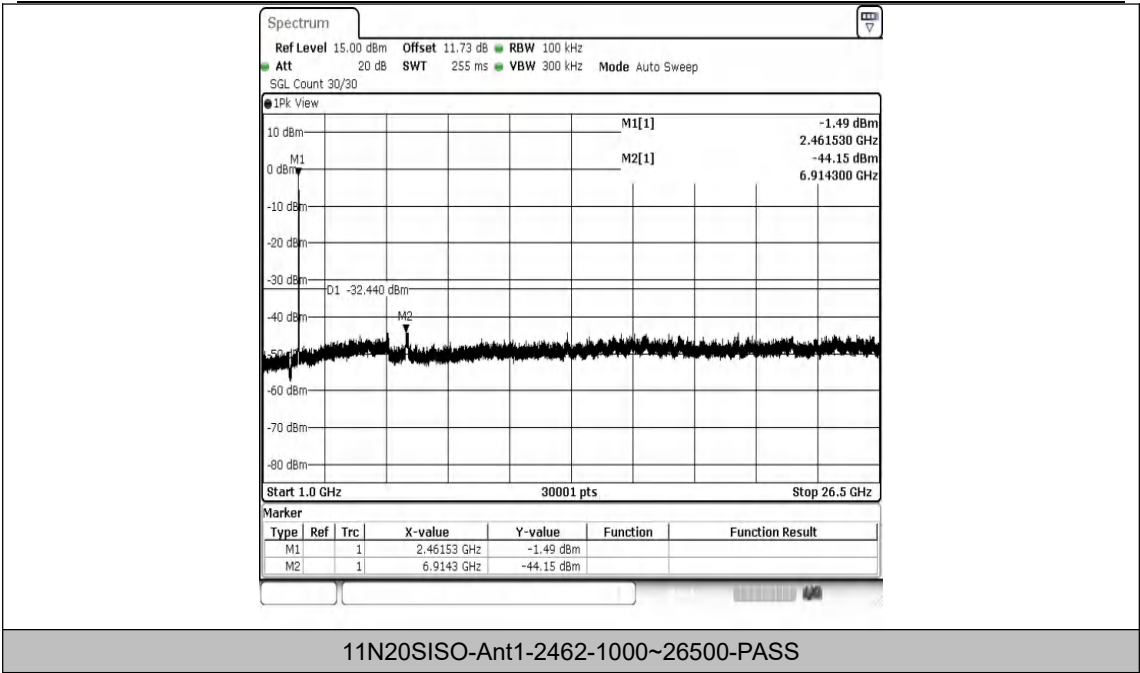












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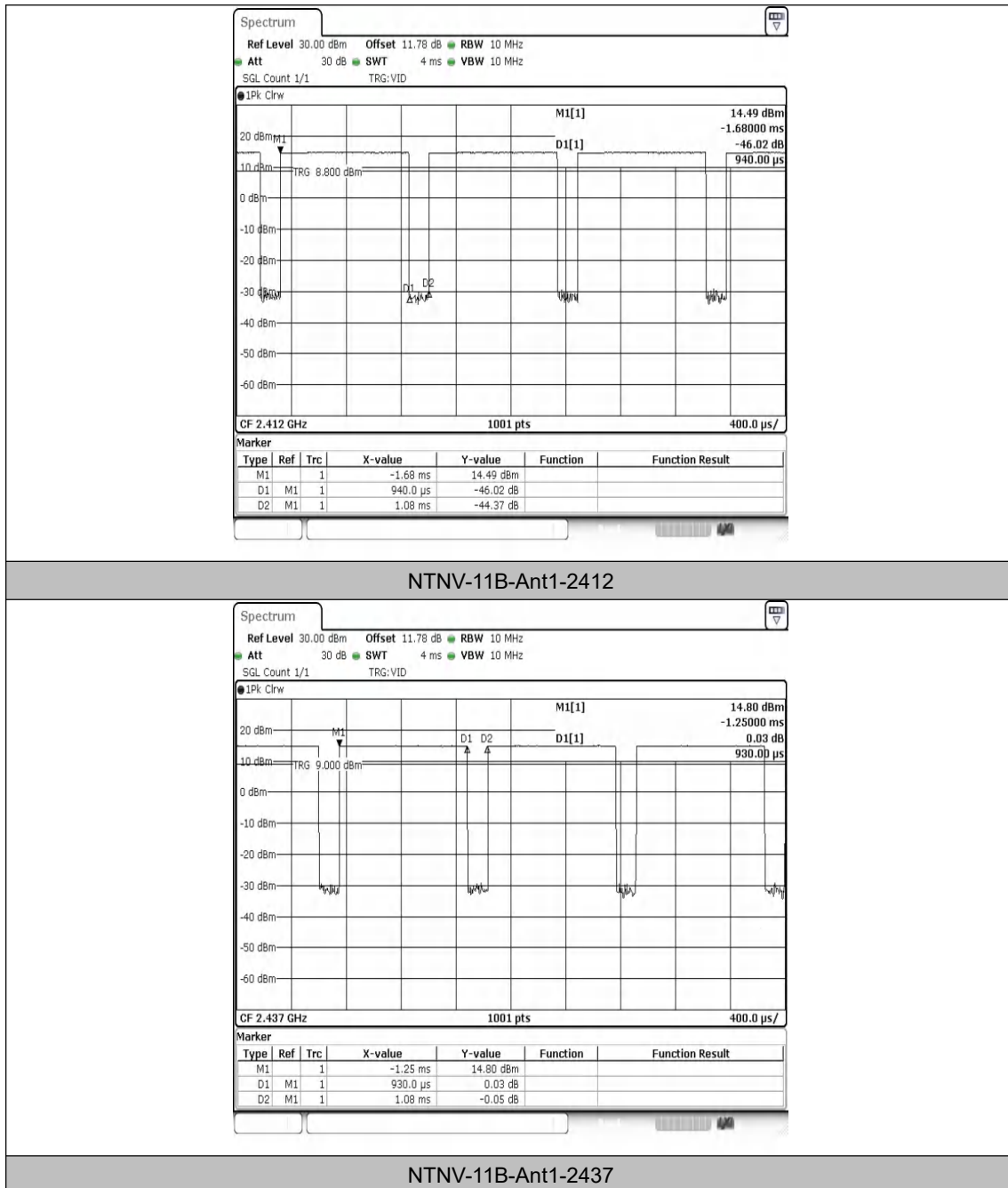
Appendix G: Duty Cycle

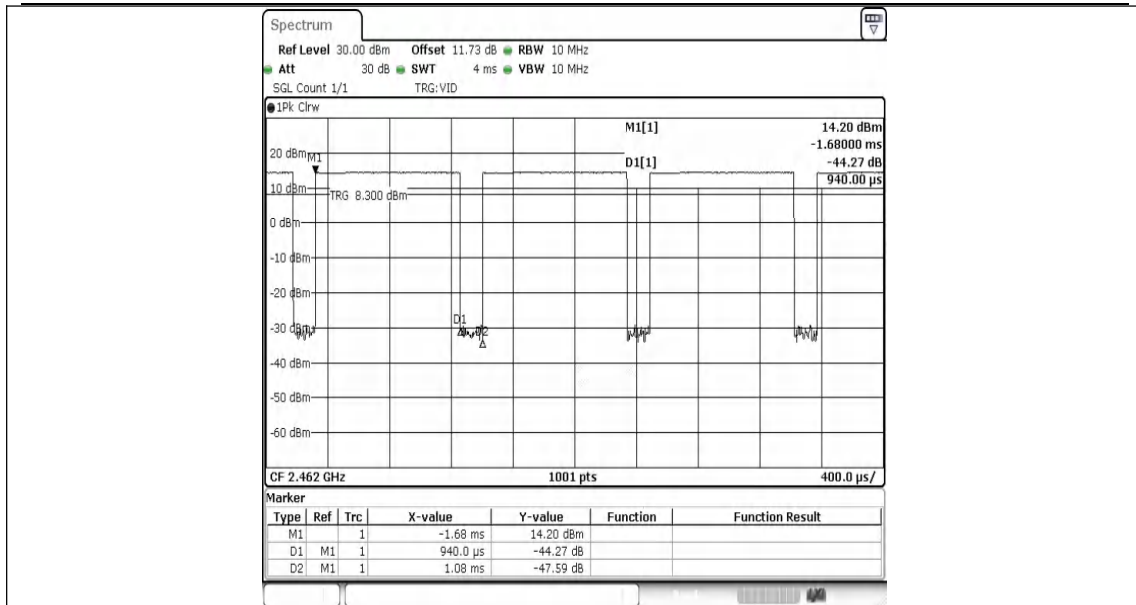
Test Result

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	0.93	1.08	86.11	0.65
11B	Ant1	2462	0.94	1.08	87.04	0.60
11G	Ant1	2412	0.93	1.08	86.11	0.65
11G	Ant1	2437	0.94	1.09	86.24	0.64
11G	Ant1	2462	0.93	1.08	86.11	0.65
11N20SISO	Ant1	2412	0.93	1.09	85.32	0.69
11N20SISO	Ant1	2437	0.93	1.08	86.11	0.65
11N20SISO	Ant1	2462	0.94	1.08	87.04	0.60

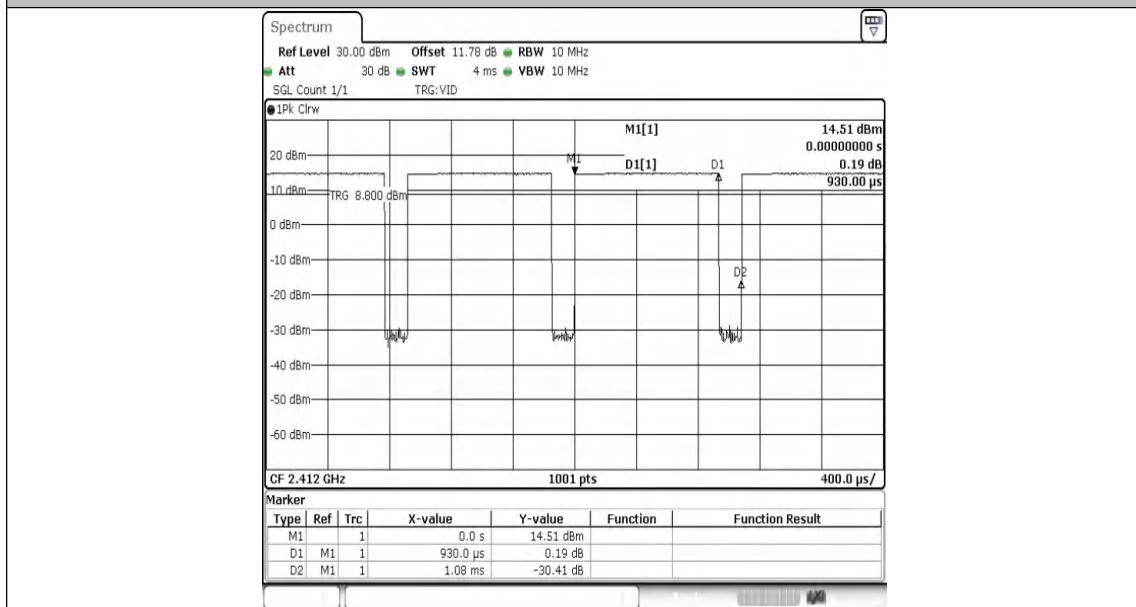


Test Graphs



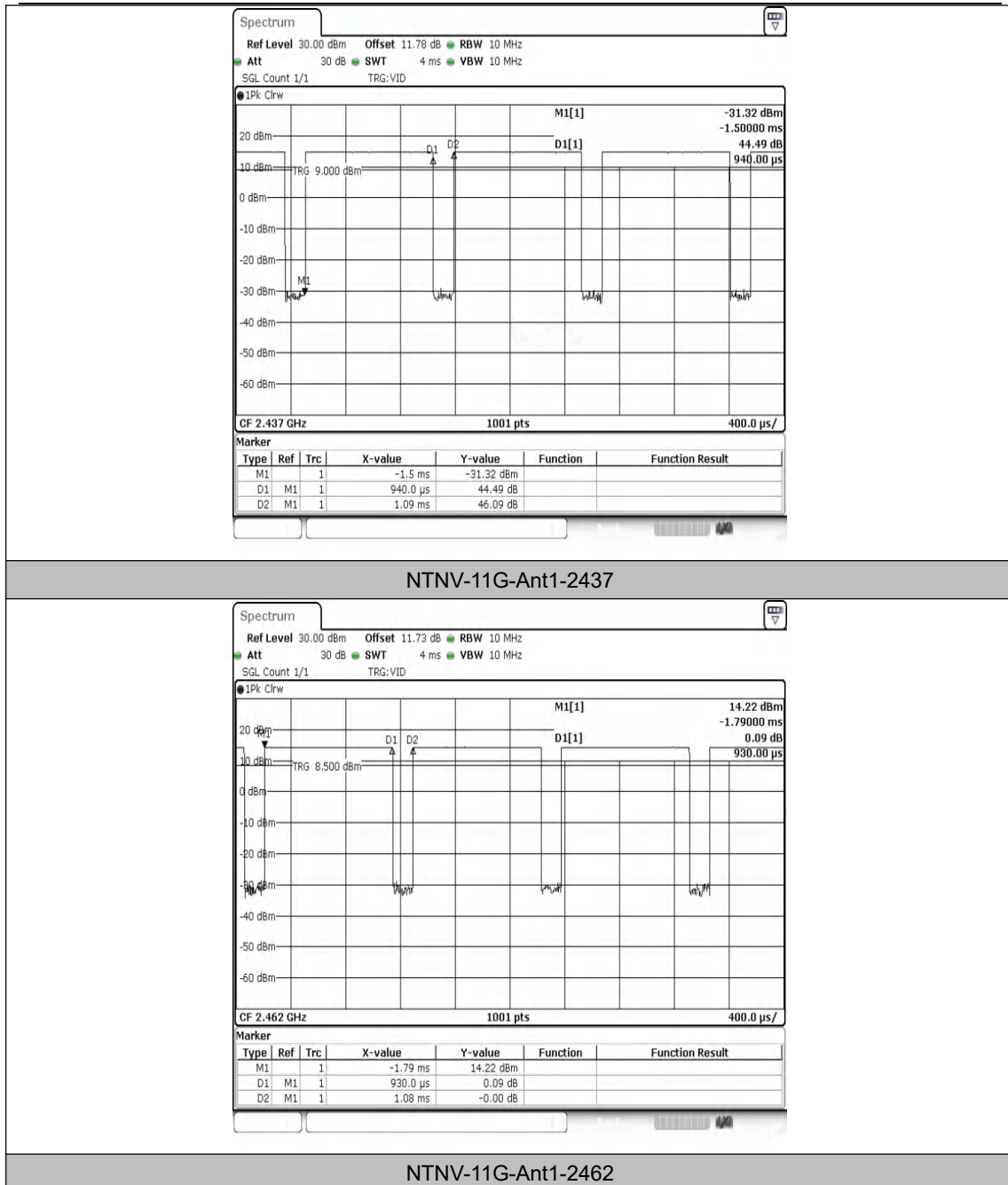


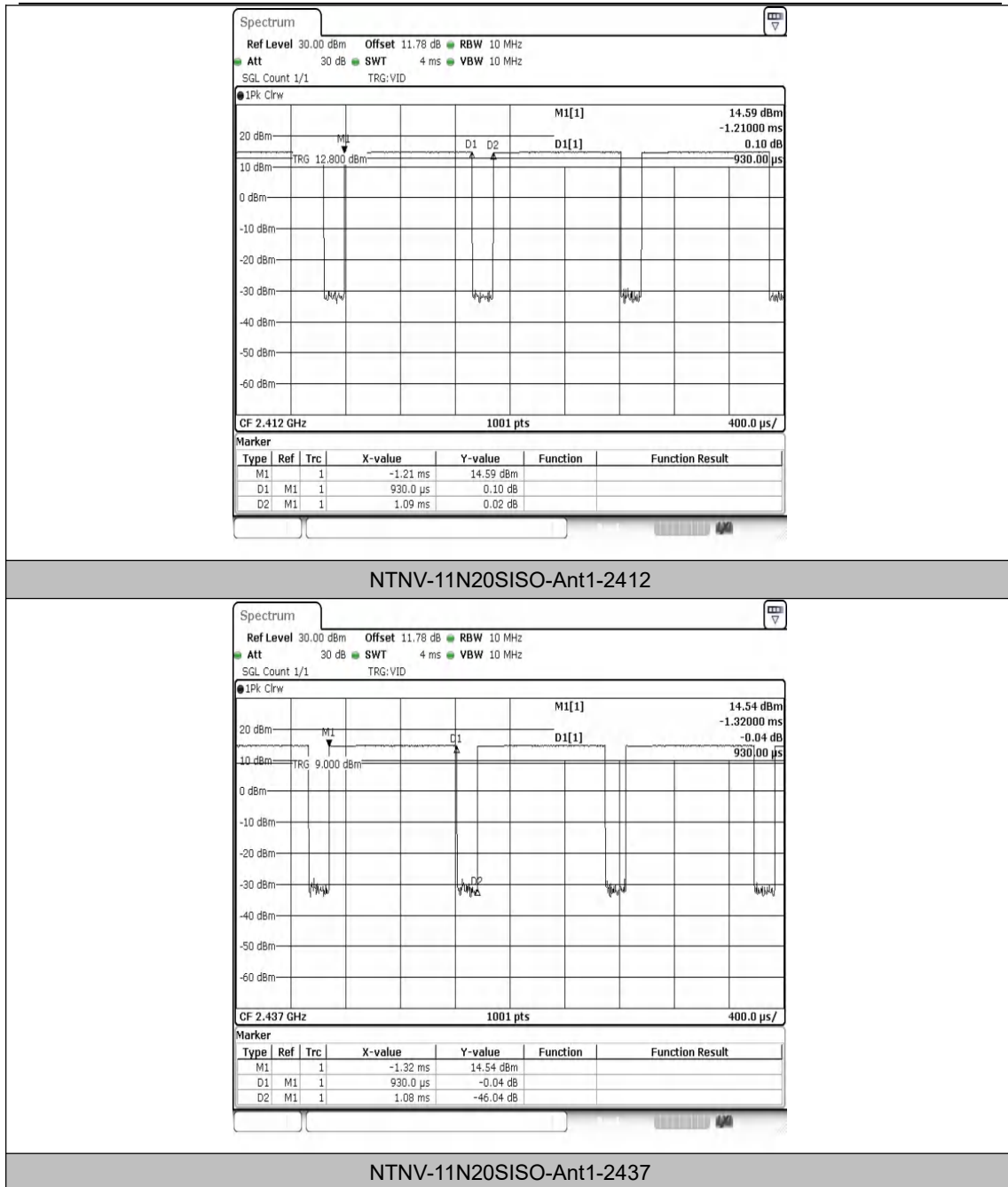
NTNV-11B-Ant1-2462

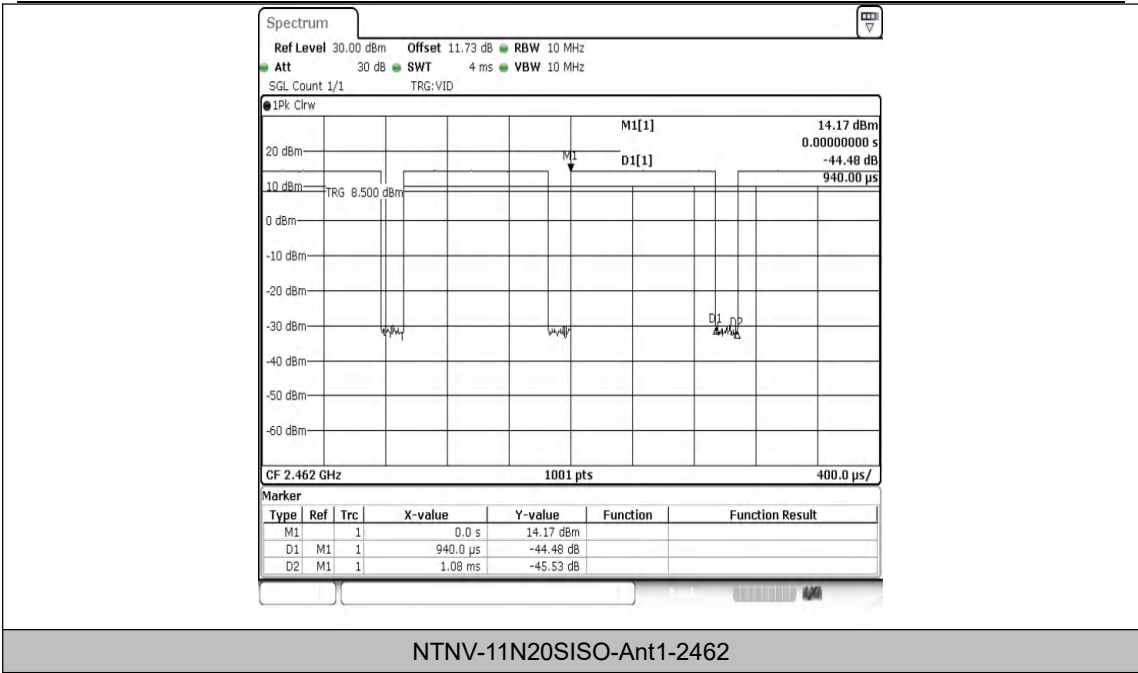


NTNV-11G-Ant1-2412









---End---

