

Appendix Test Data

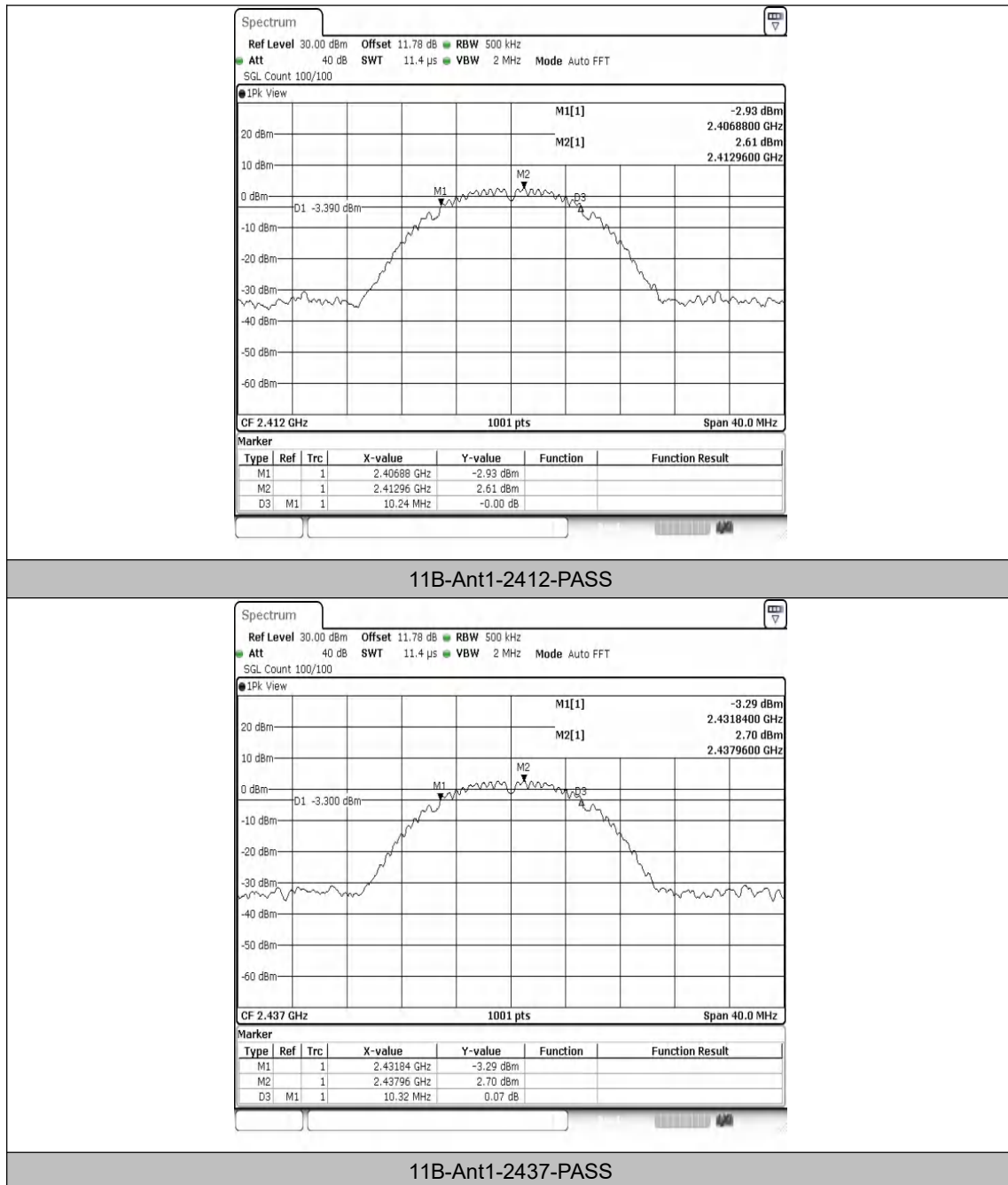
Report No.:	1814C40200012502	Test Sample No.:	1-2-2
Start Test Date:	2024.12.24	Finish Test Date:	2025.1.3
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.2°C	Relative Humidity:	54%
Pressure:	101kPa		

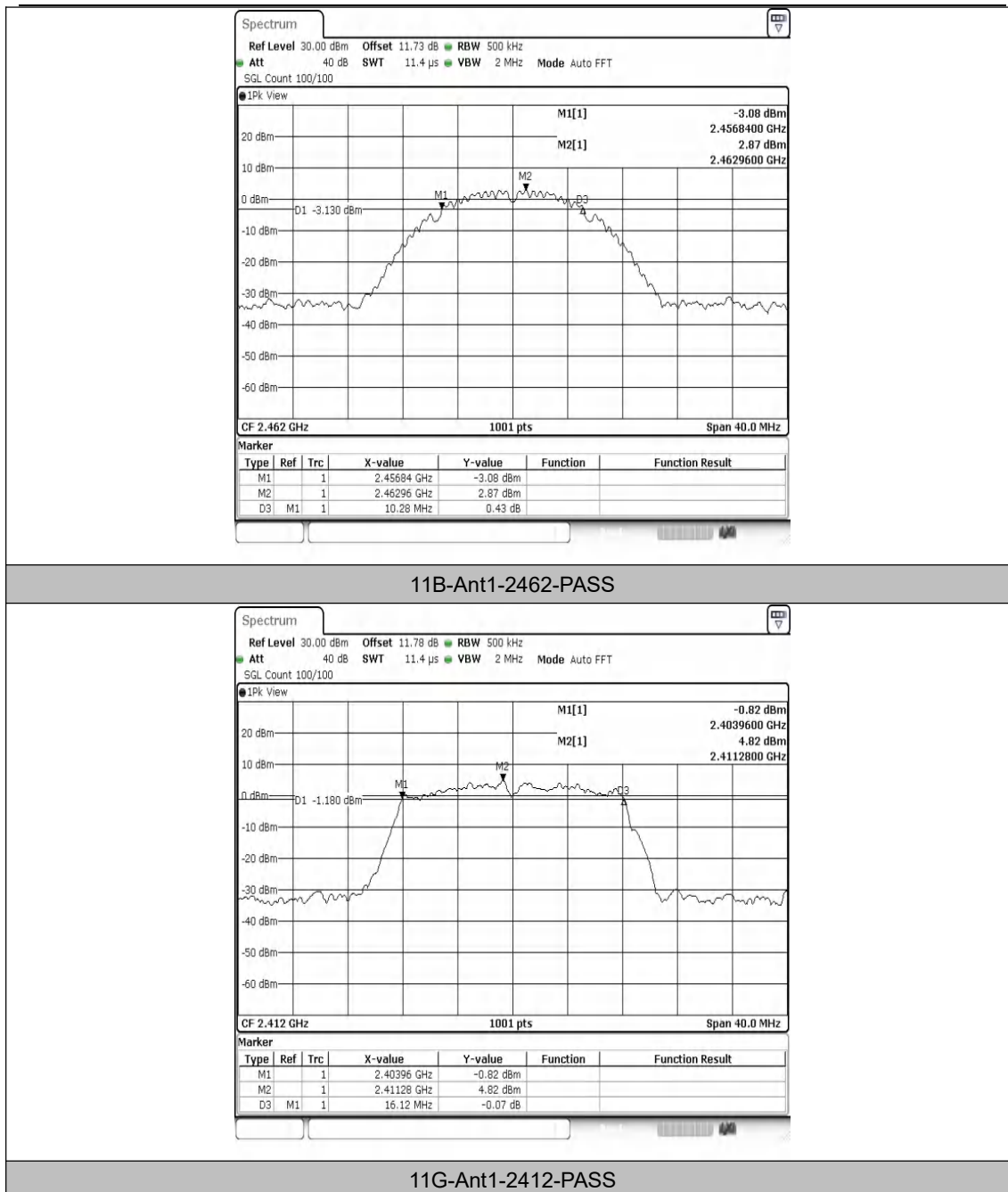
Appendix A: 6dB Bandwidth

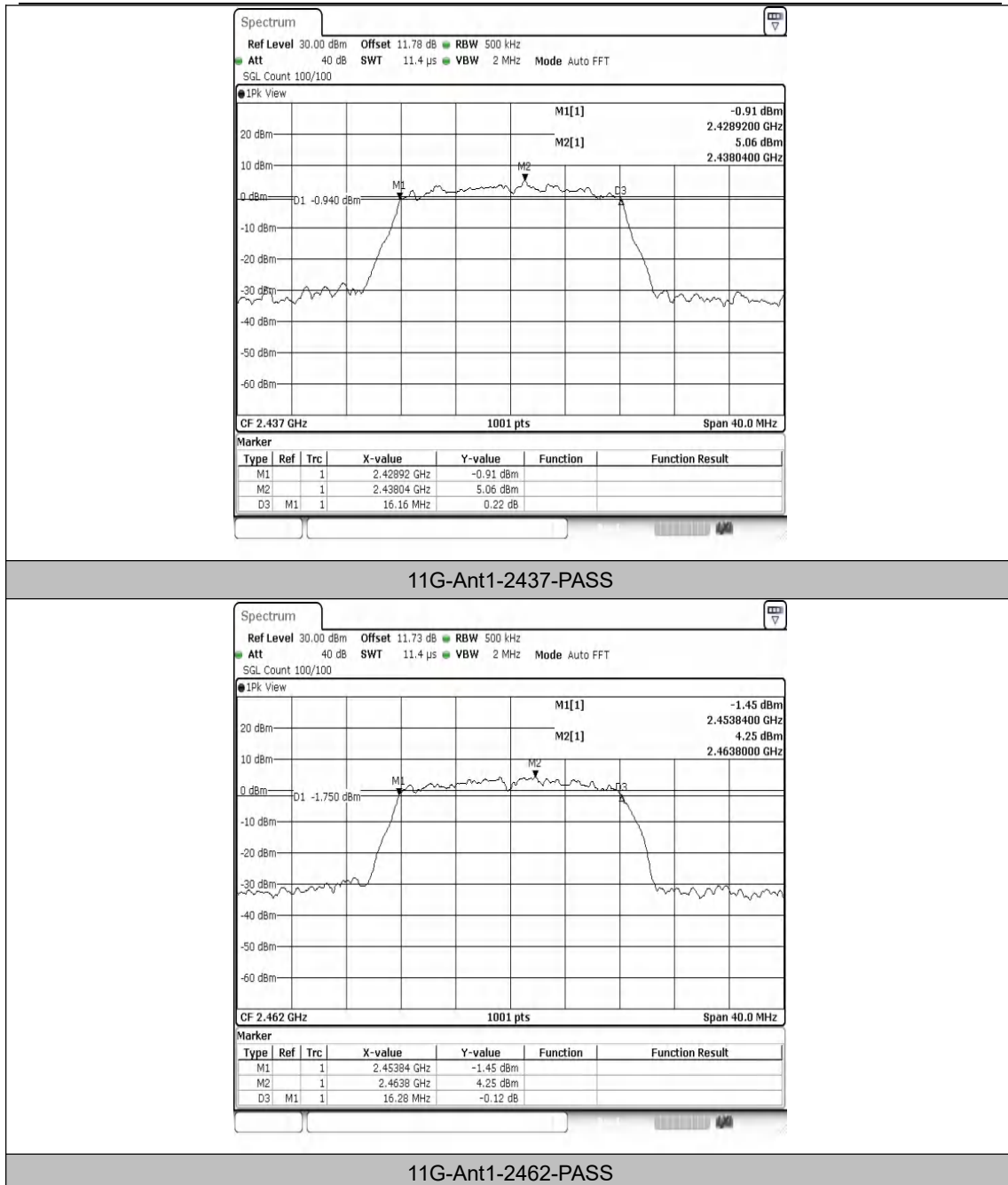
Test Result

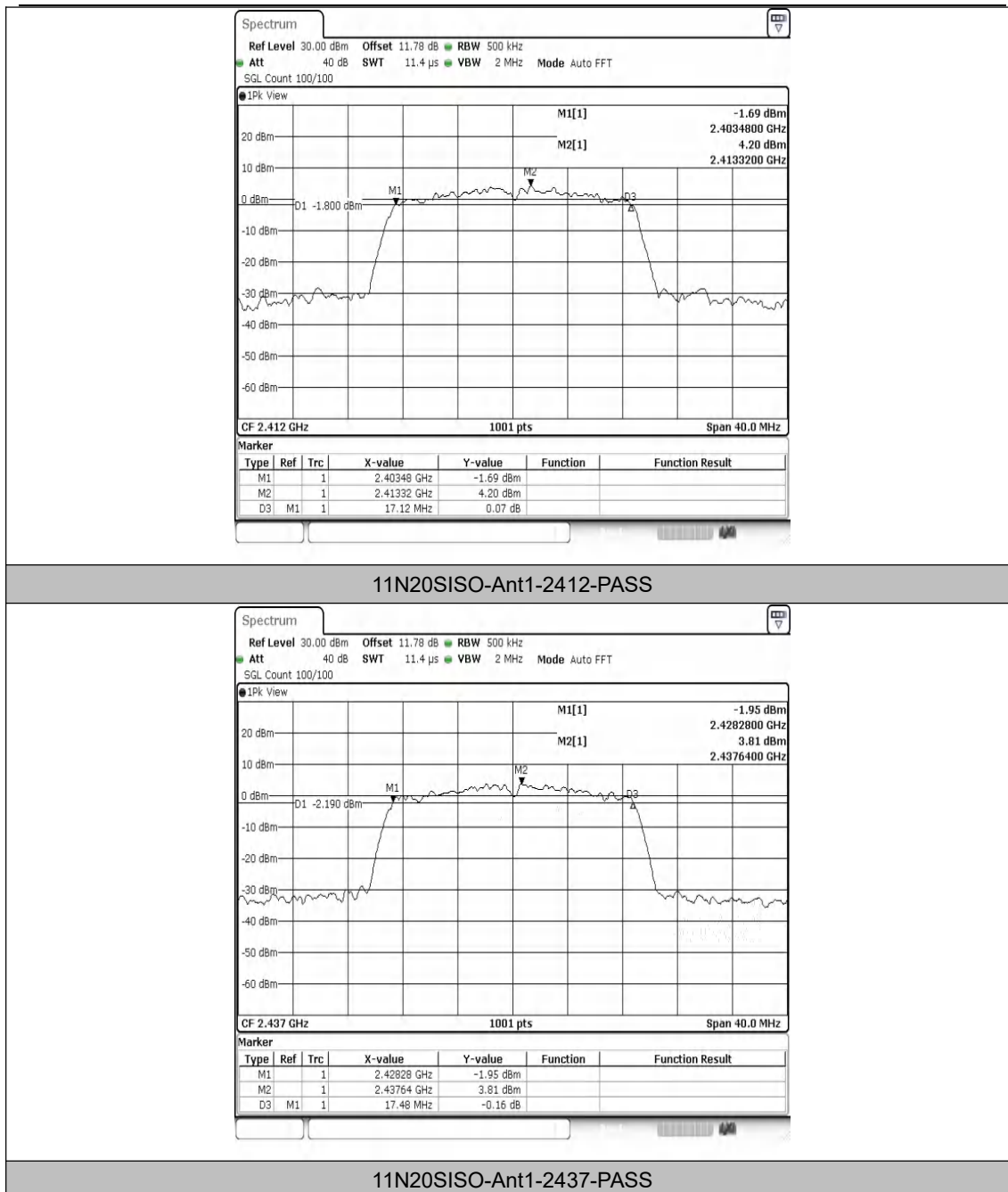
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.24	2406.88	2417.12	0.5	PASS
11B	Ant1	2437	10.32	2431.84	2442.16	0.5	PASS
11B	Ant1	2462	10.28	2456.84	2467.12	0.5	PASS
11G	Ant1	2412	16.12	2403.96	2420.08	0.5	PASS
11G	Ant1	2437	16.16	2428.92	2445.08	0.5	PASS
11G	Ant1	2462	16.28	2453.84	2470.12	0.5	PASS
11N20SISO	Ant1	2412	17.12	2403.48	2420.60	0.5	PASS
11N20SISO	Ant1	2437	17.48	2428.28	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.24	2453.40	2470.64	0.5	PASS

Test Graphs











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Appendix B: 99% Occupied Bandwidth

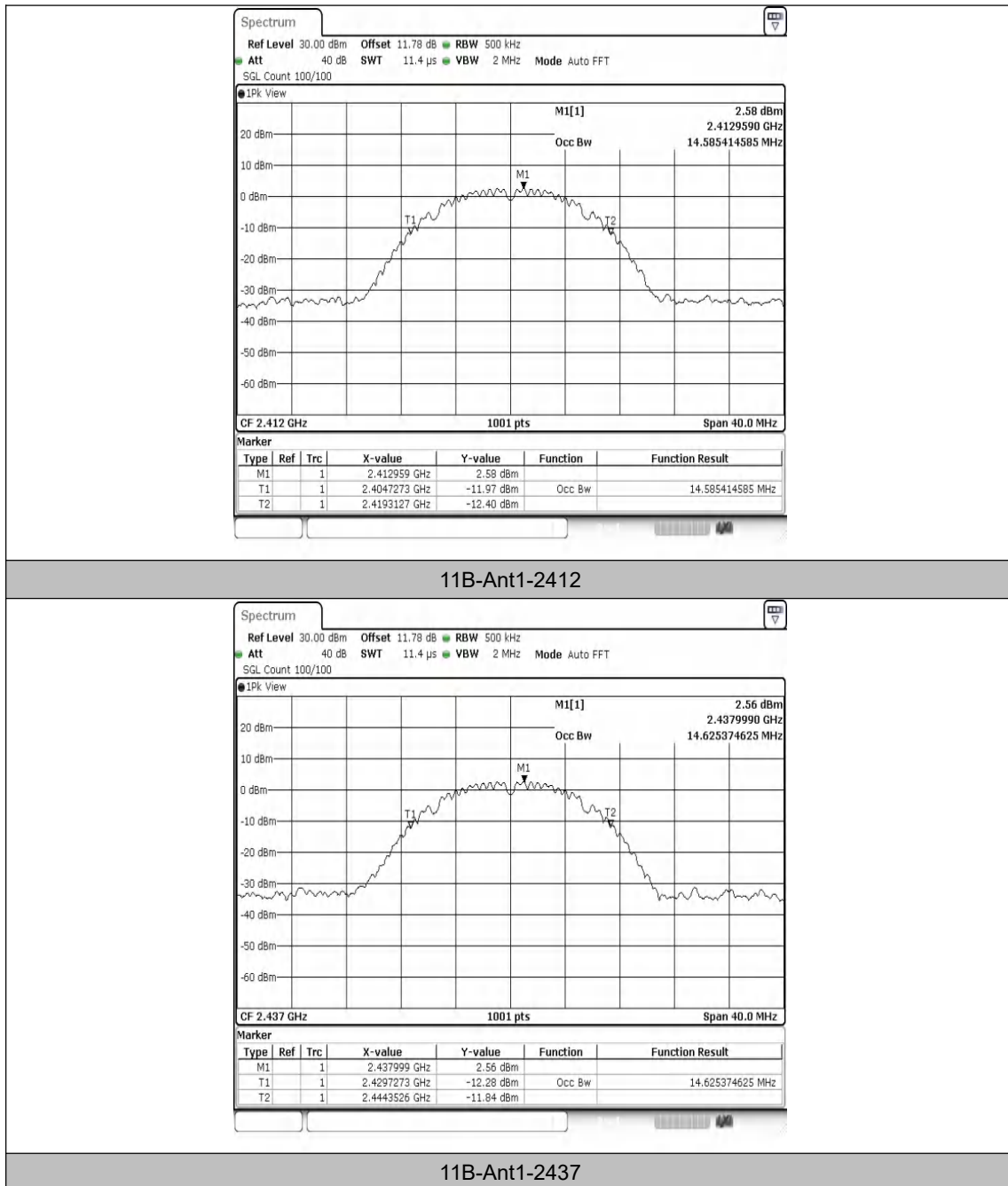
Test Result

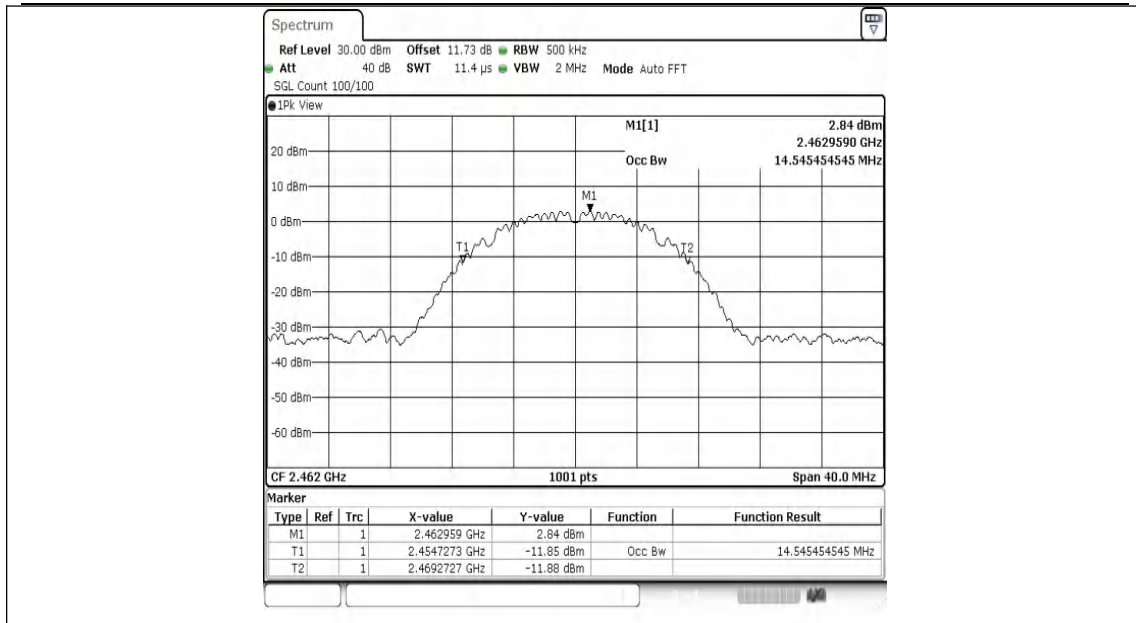
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.585	2404.7273	2419.3127	---	---
11B	Ant1	2437	14.625	2429.7273	2444.3526	---	---
11B	Ant1	2462	14.545	2454.7273	2469.2727	---	---
11G	Ant1	2412	16.703	2403.7283	2420.4316	---	---
11G	Ant1	2437	17.103	2428.4086	2445.5115	---	---
11G	Ant1	2462	16.663	2453.6084	2470.2717	---	---
11N20SISO	Ant1	2412	17.742	2403.1289	2420.8711	---	---
11N20SISO	Ant1	2437	17.782	2428.0490	2445.8312	---	---
11N20SISO	Ant1	2462	17.742	2453.1289	2470.8711	---	---

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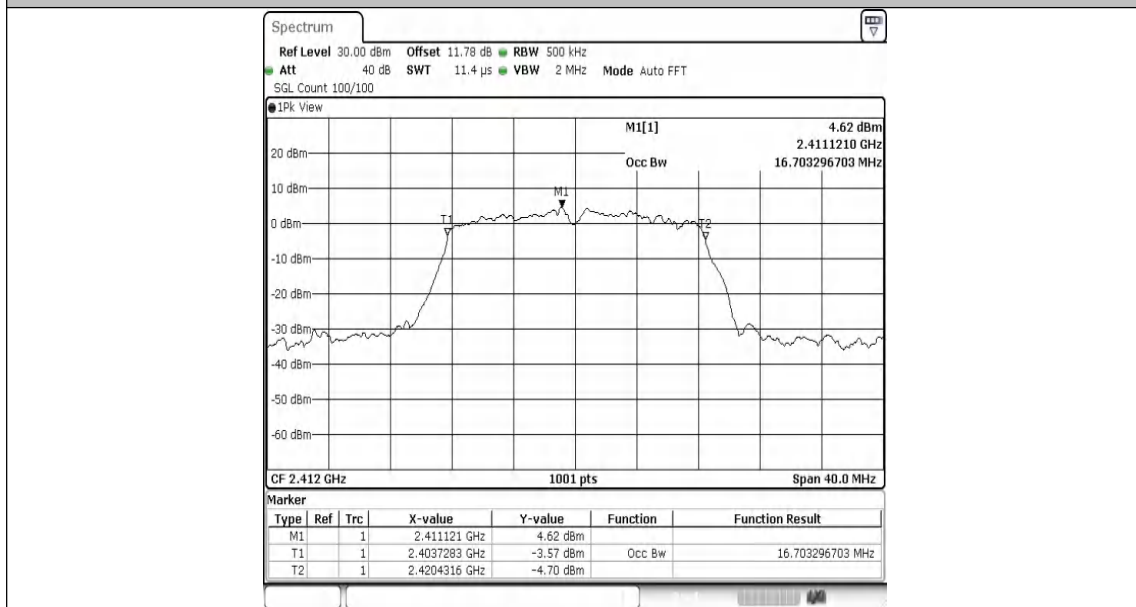


Test Graphs

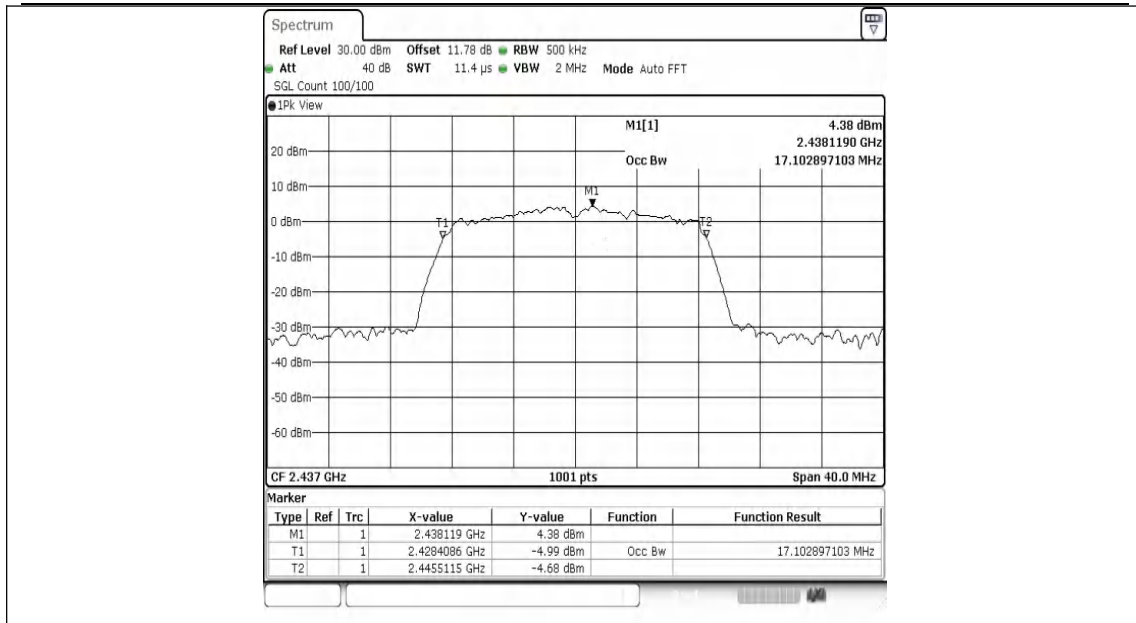




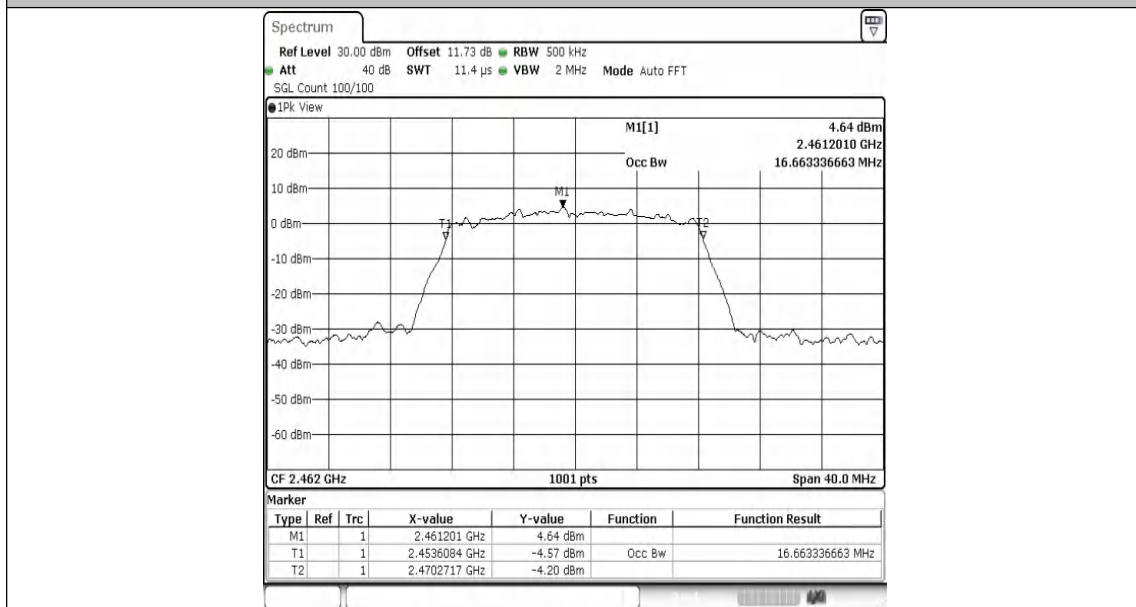
11B-Ant1-2462



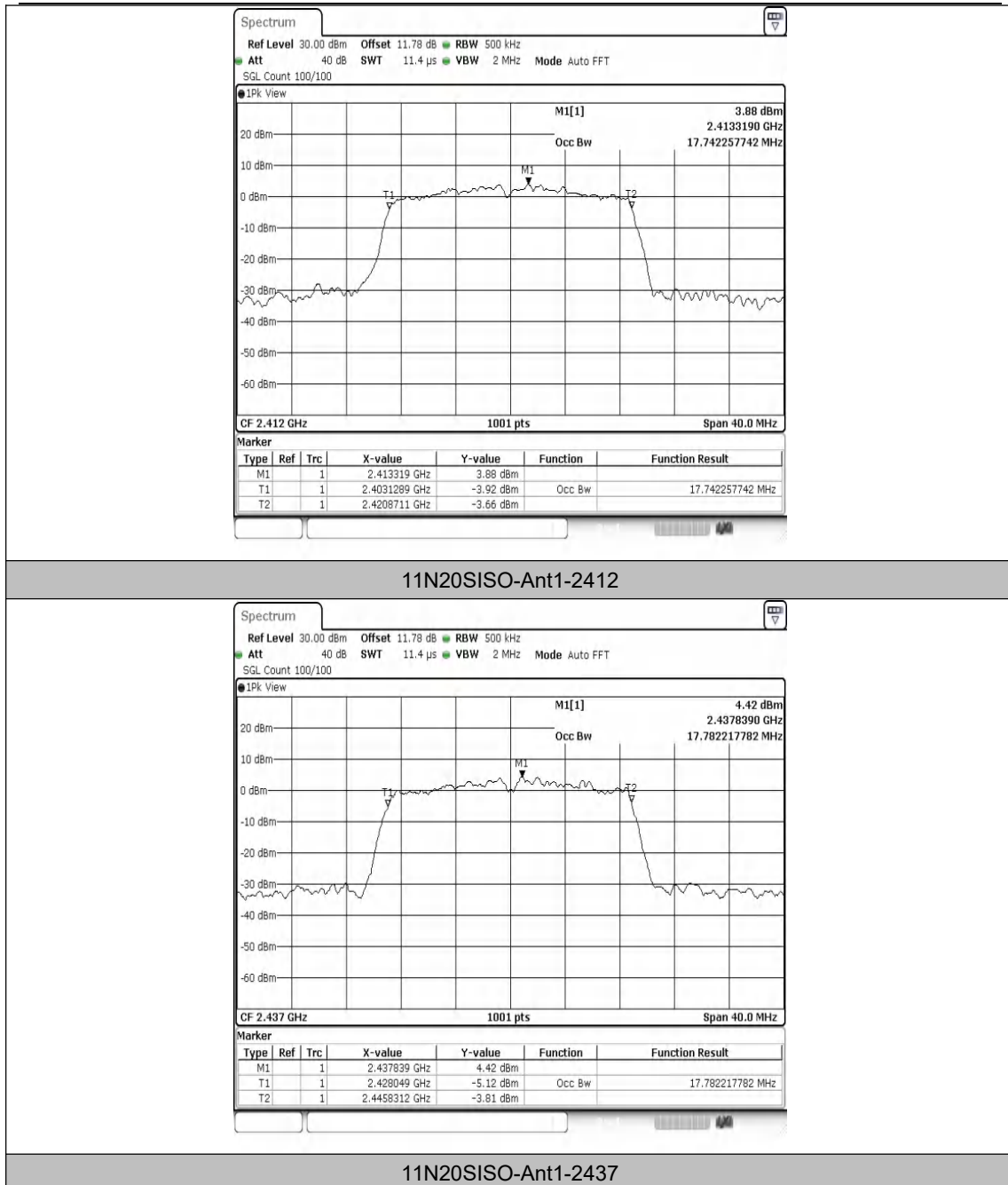
11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462





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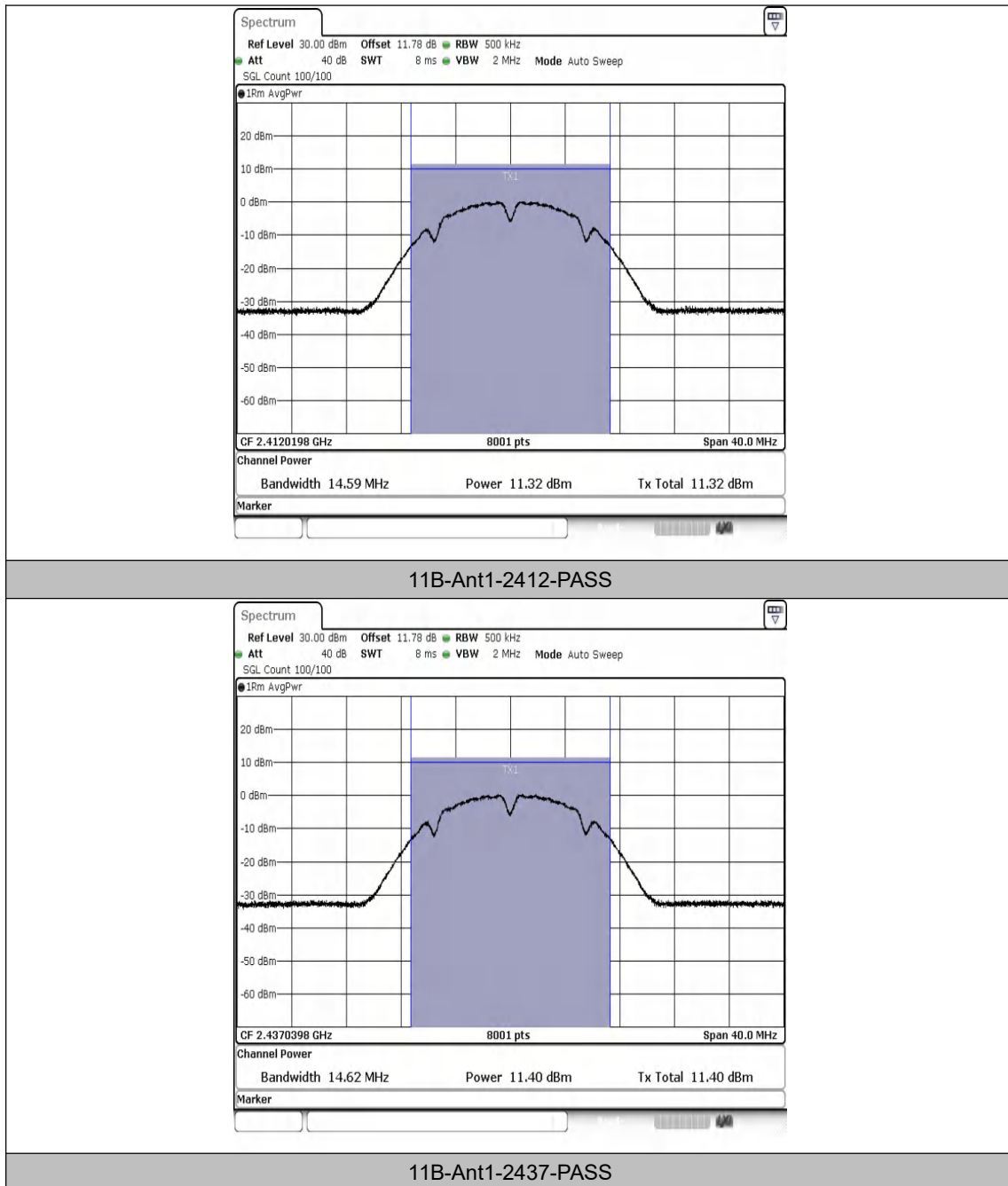
Appendix C: Maximum conducted output power

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	11.32	99.40	0.03	11.35	≤30.00	PASS
11B	Ant1	2437	NA	11.40	99.40	0.03	11.43	≤30.00	PASS
11B	Ant1	2462	NA	11.60	99.40	0.03	11.63	≤30.00	PASS
11G	Ant1	2412	NA	11.18	94.25	0.26	11.44	≤30.00	PASS
11G	Ant1	2437	NA	11.37	95.29	0.21	11.58	≤30.00	PASS
11G	Ant1	2462	NA	11.59	95.40	0.20	11.79	≤30.00	PASS
11N20SISO	Ant1	2412	NA	11.14	93.98	0.27	11.41	≤30.00	PASS
11N20SISO	Ant1	2437	NA	10.85	93.98	0.27	11.12	≤30.00	PASS
11N20SISO	Ant1	2462	NA	11.56	95.12	0.22	11.78	≤30.00	PASS

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

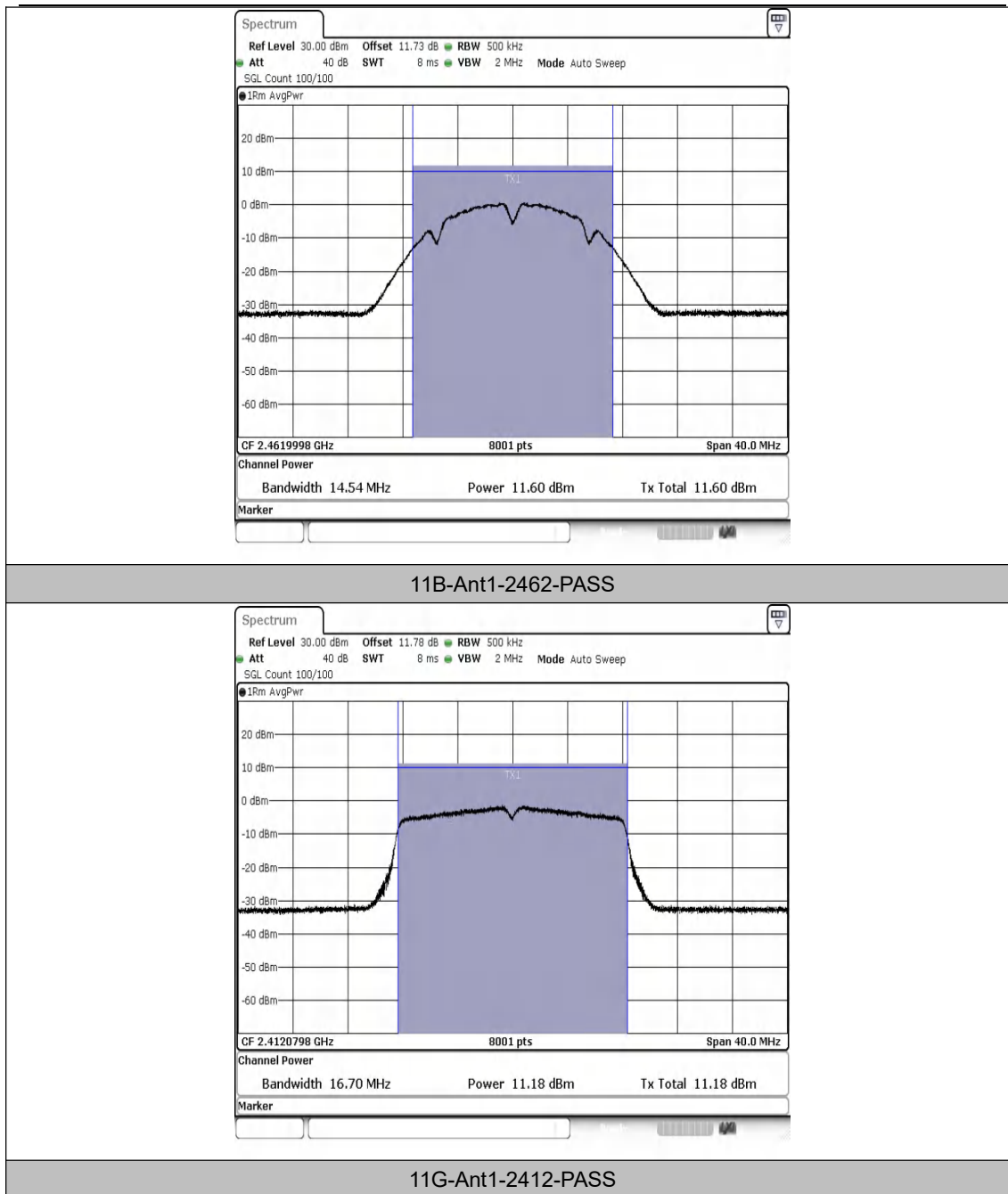
Test Graphs Average



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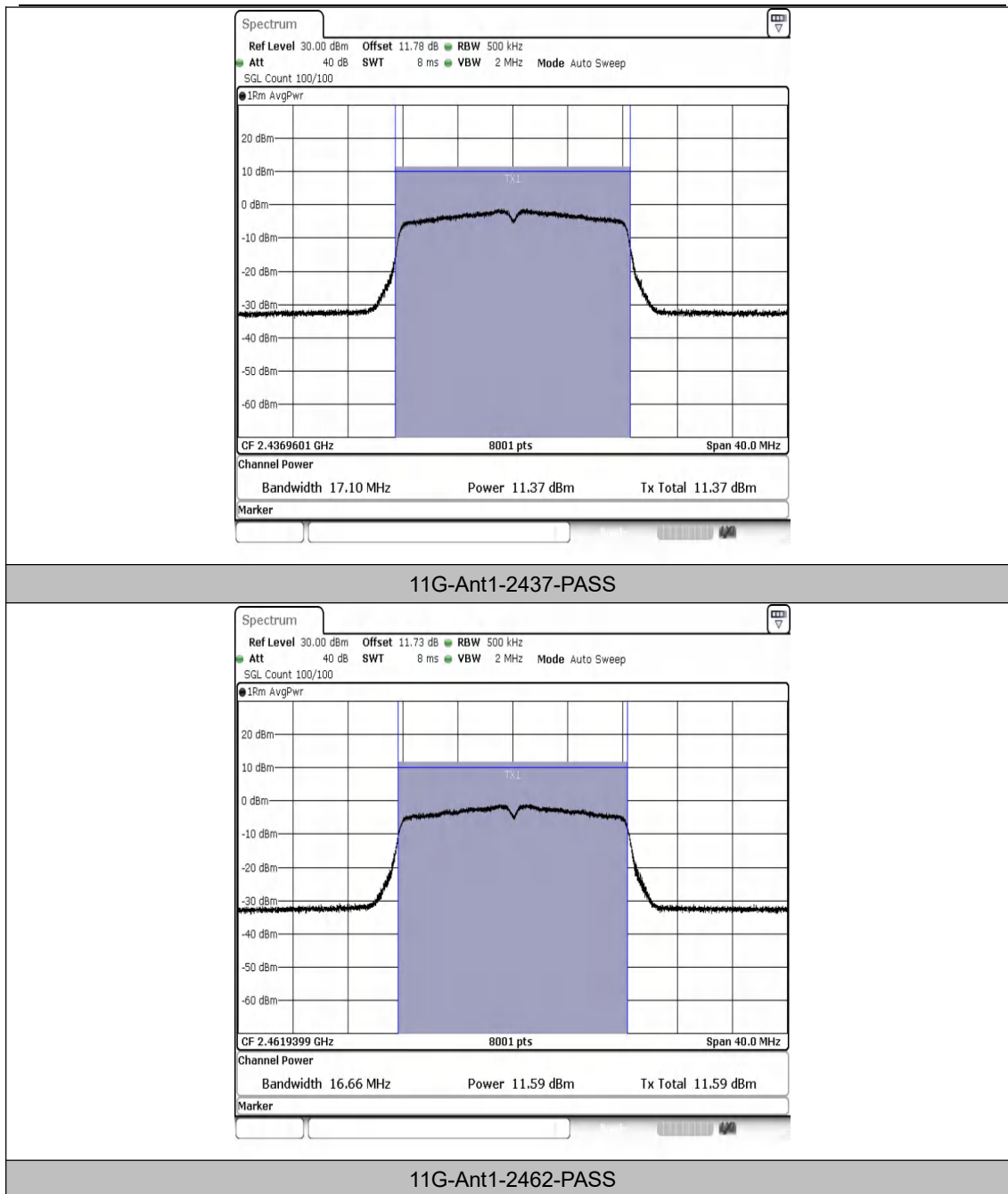
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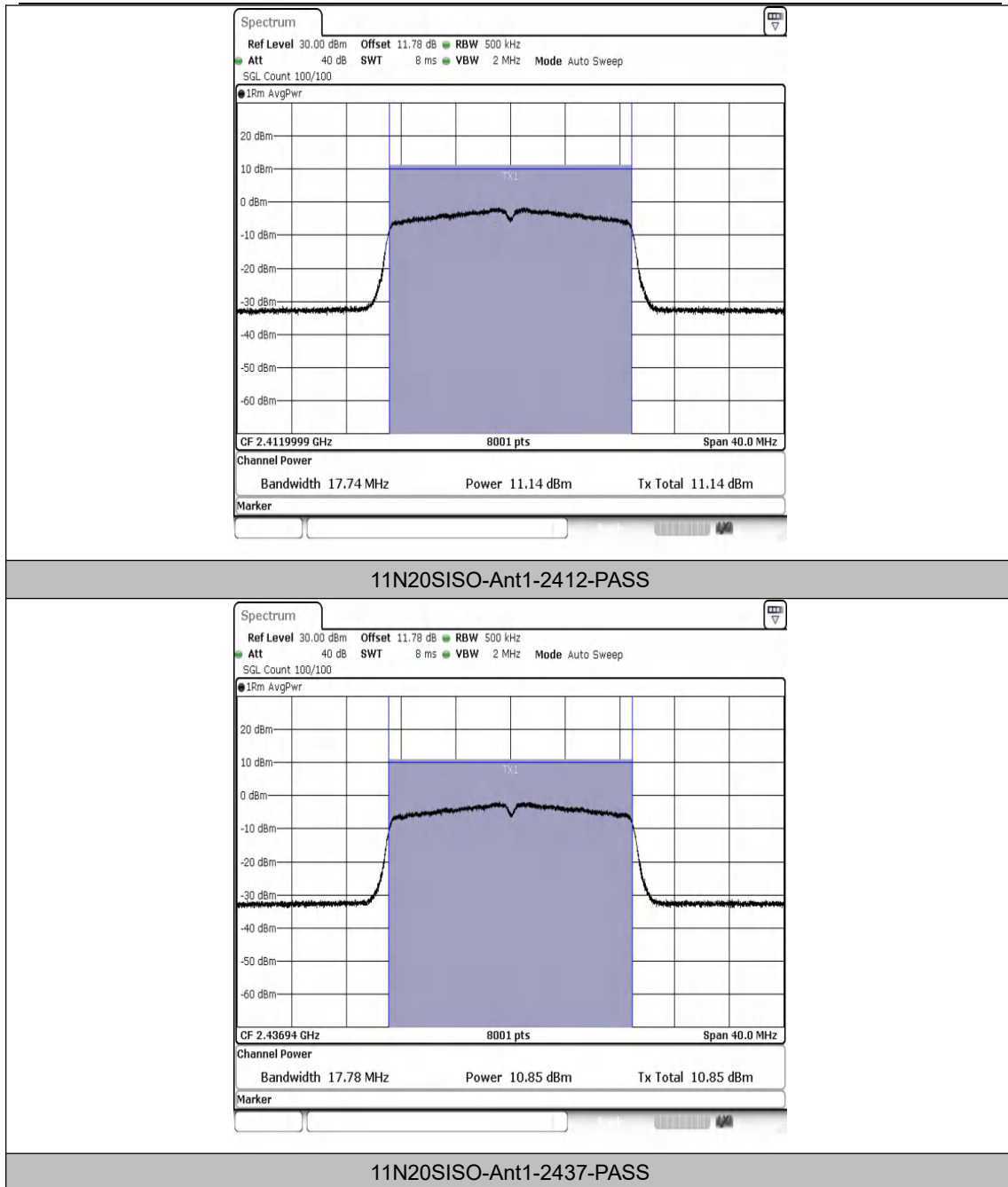


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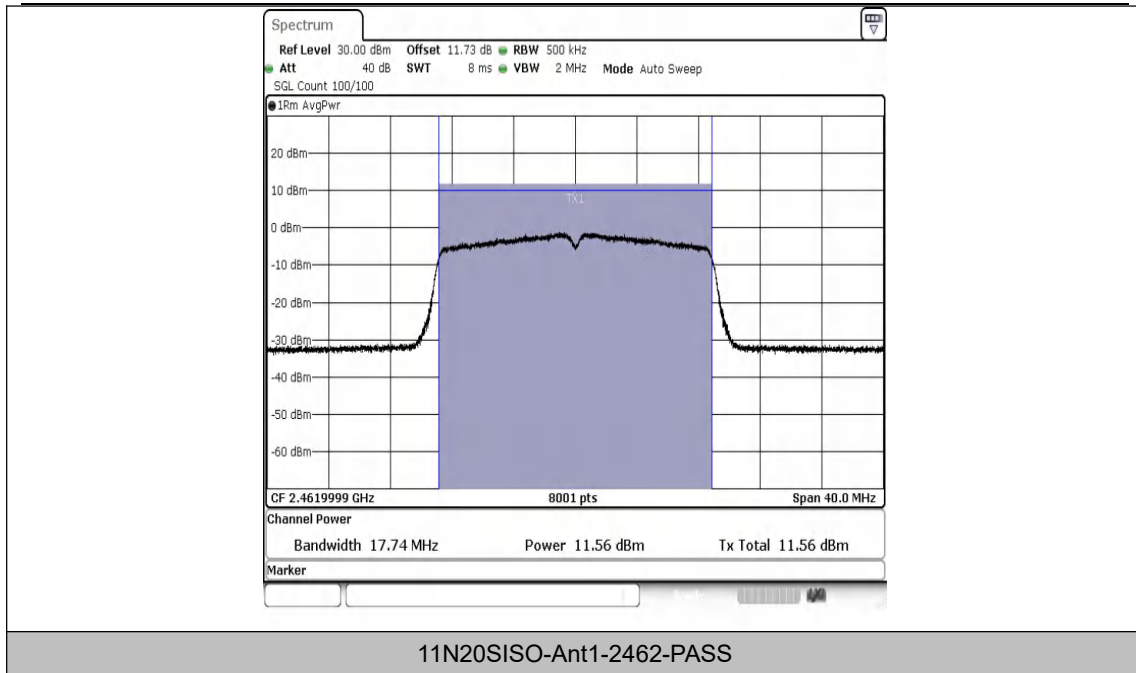




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Appendix D: Maximum power spectral density

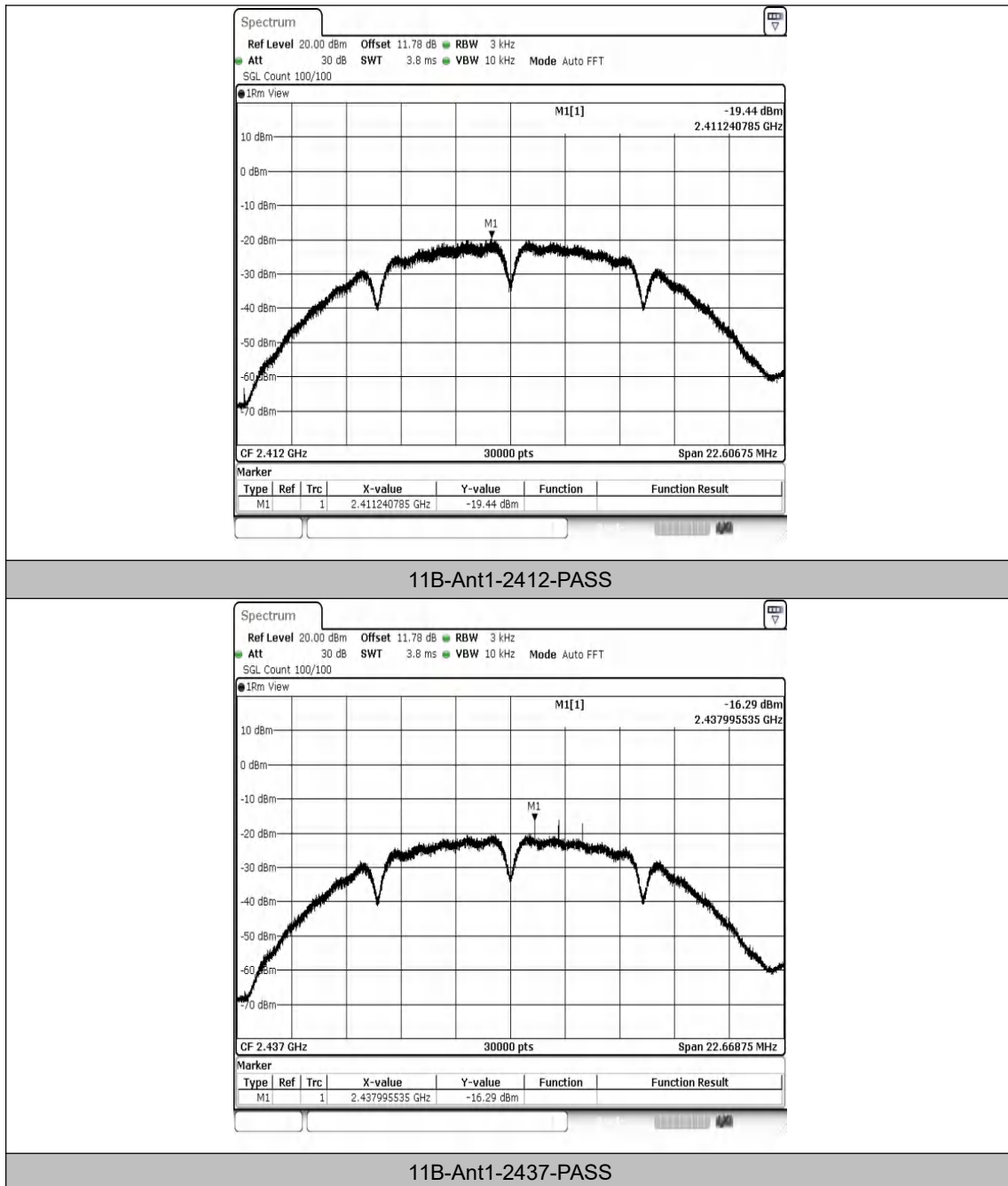
Test Result

Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.44	0.03	-19.41	≤8.00	PASS
11B	Ant1	2437	-16.29	0.03	-16.26	≤8.00	PASS
11B	Ant1	2462	-19.77	0.03	-19.74	≤8.00	PASS
11G	Ant1	2412	-21.45	0.26	-21.19	≤8.00	PASS
11G	Ant1	2437	-21.31	0.21	-21.10	≤8.00	PASS
11G	Ant1	2462	-21.07	0.20	-20.87	≤8.00	PASS
11N20SI SO	Ant1	2412	-21.4	0.27	-21.13	≤8.00	PASS
11N20SI SO	Ant1	2437	-21.93	0.27	-21.66	≤8.00	PASS
11N20SI SO	Ant1	2462	-20.77	0.22	-20.55	≤8.00	PASS

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



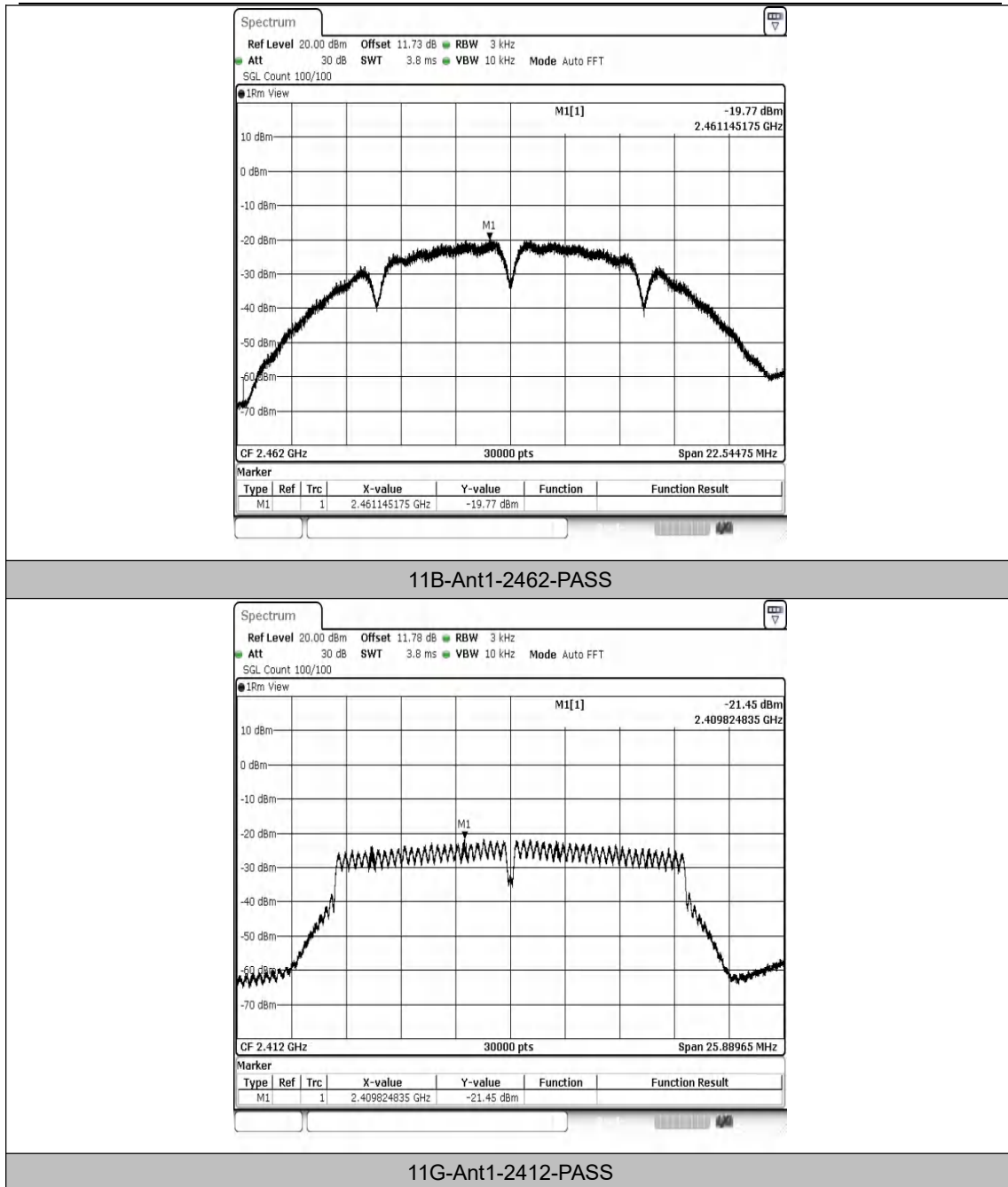
Test Graphs

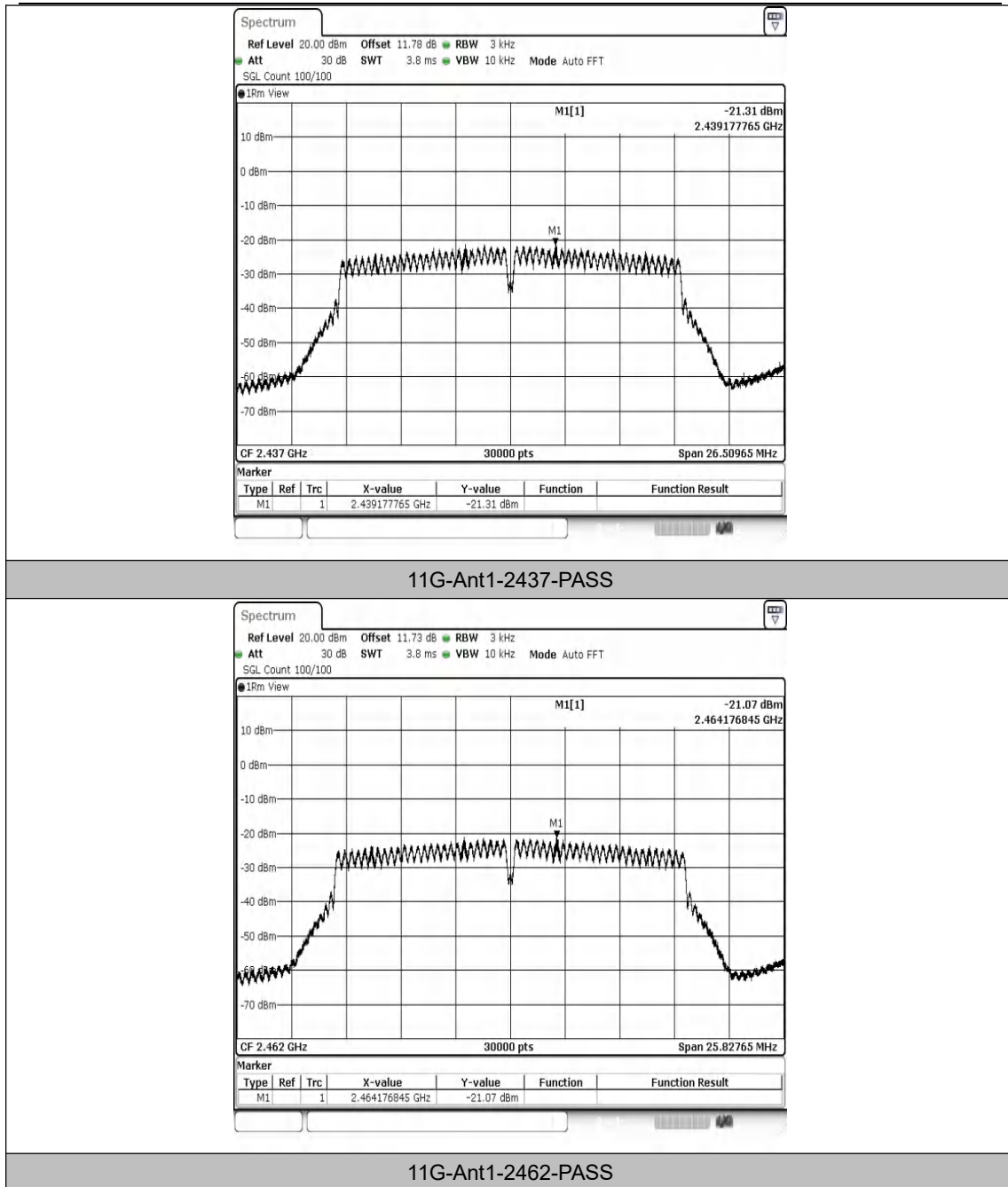


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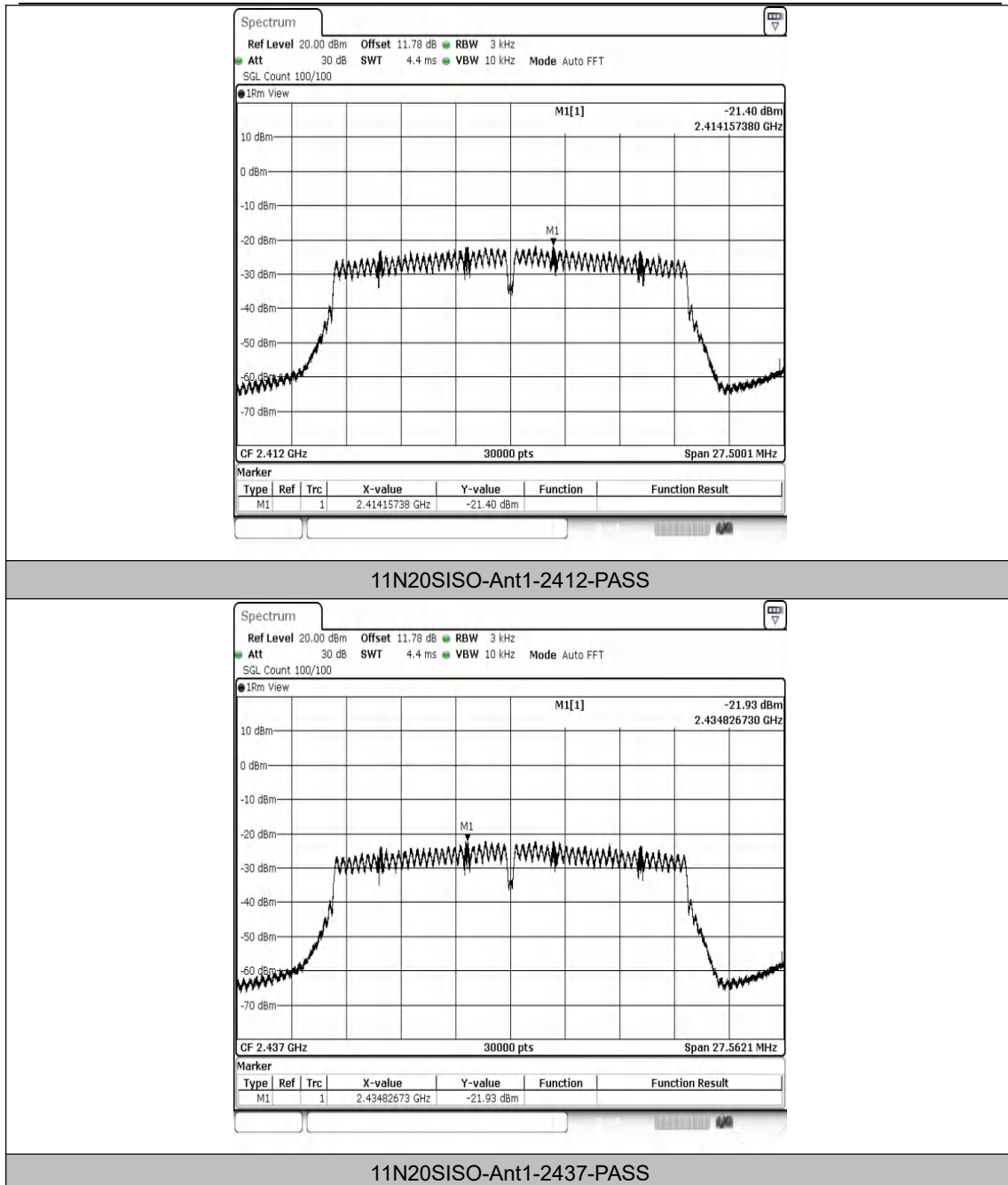


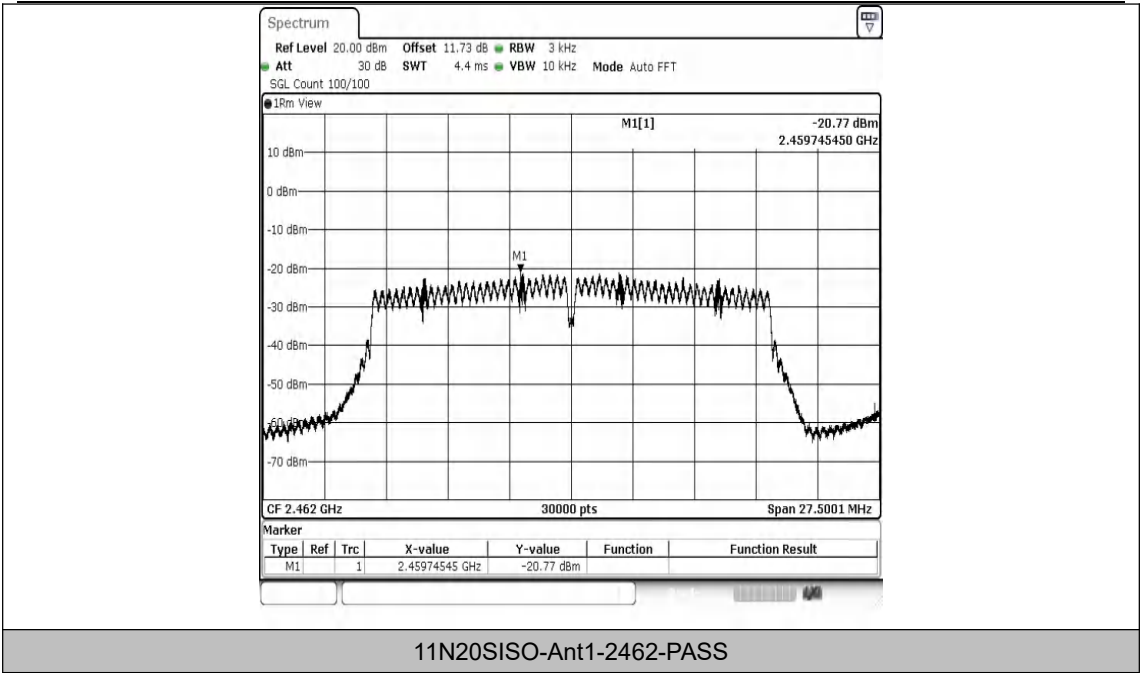


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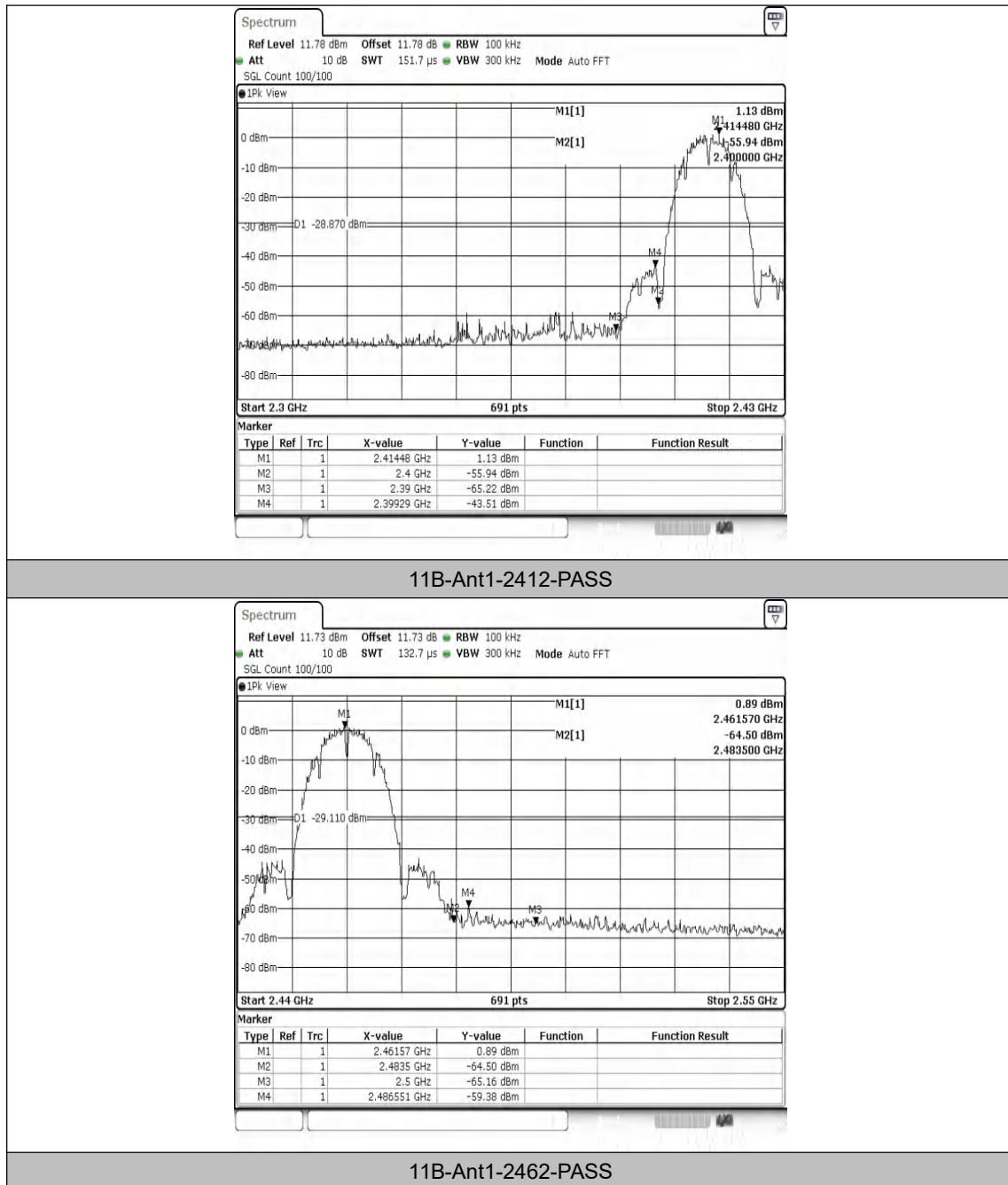
Appendix E: Conducted Band edge

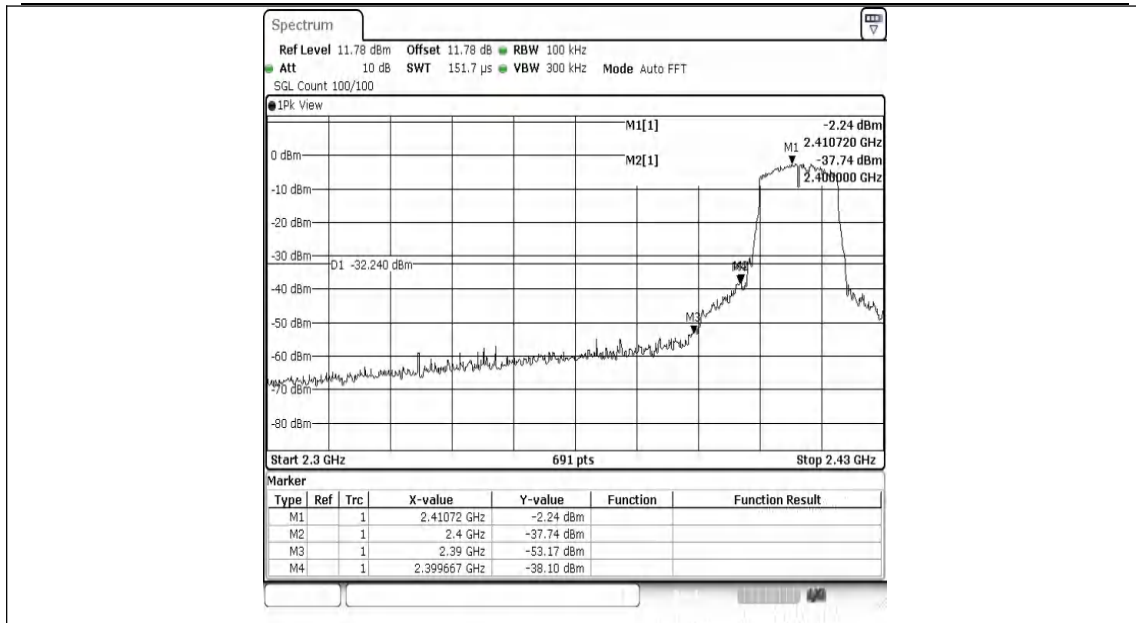
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.13	-43.51	≤-28.87	PASS
11B	Ant1	High	2462	0.89	-59.38	≤-29.11	PASS
11G	Ant1	Low	2412	-2.24	-38.1	≤-32.24	PASS
11G	Ant1	High	2462	-1.69	-47.88	≤-31.69	PASS
11N20SISO	Ant1	Low	2412	-1.16	-38.63	≤-31.16	PASS
11N20SISO	Ant1	High	2462	-0.71	-45.74	≤-30.71	PASS

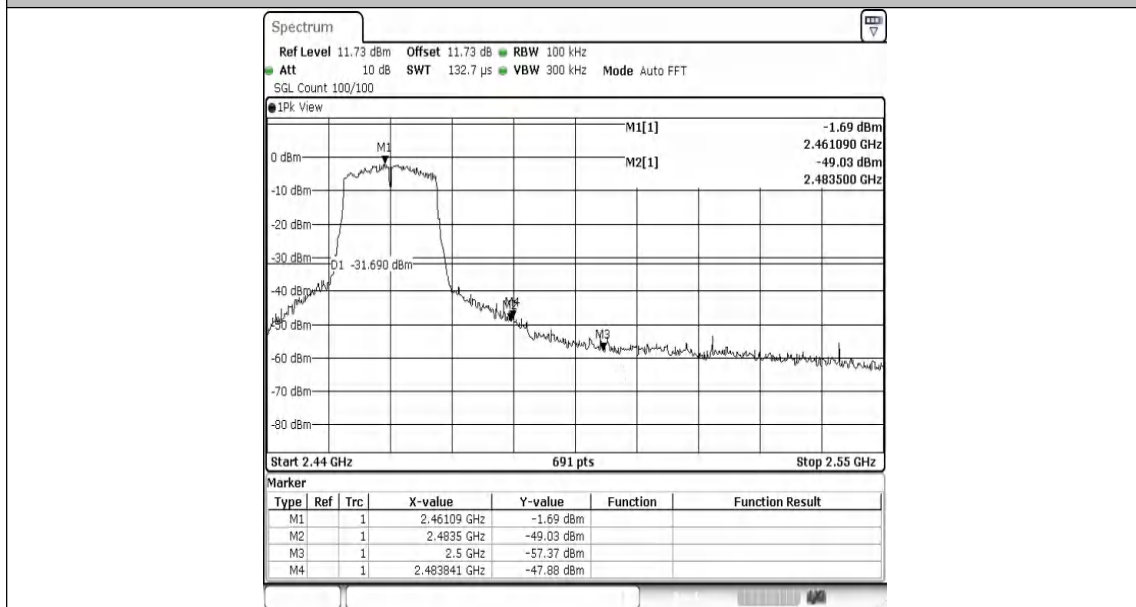


Test Graphs

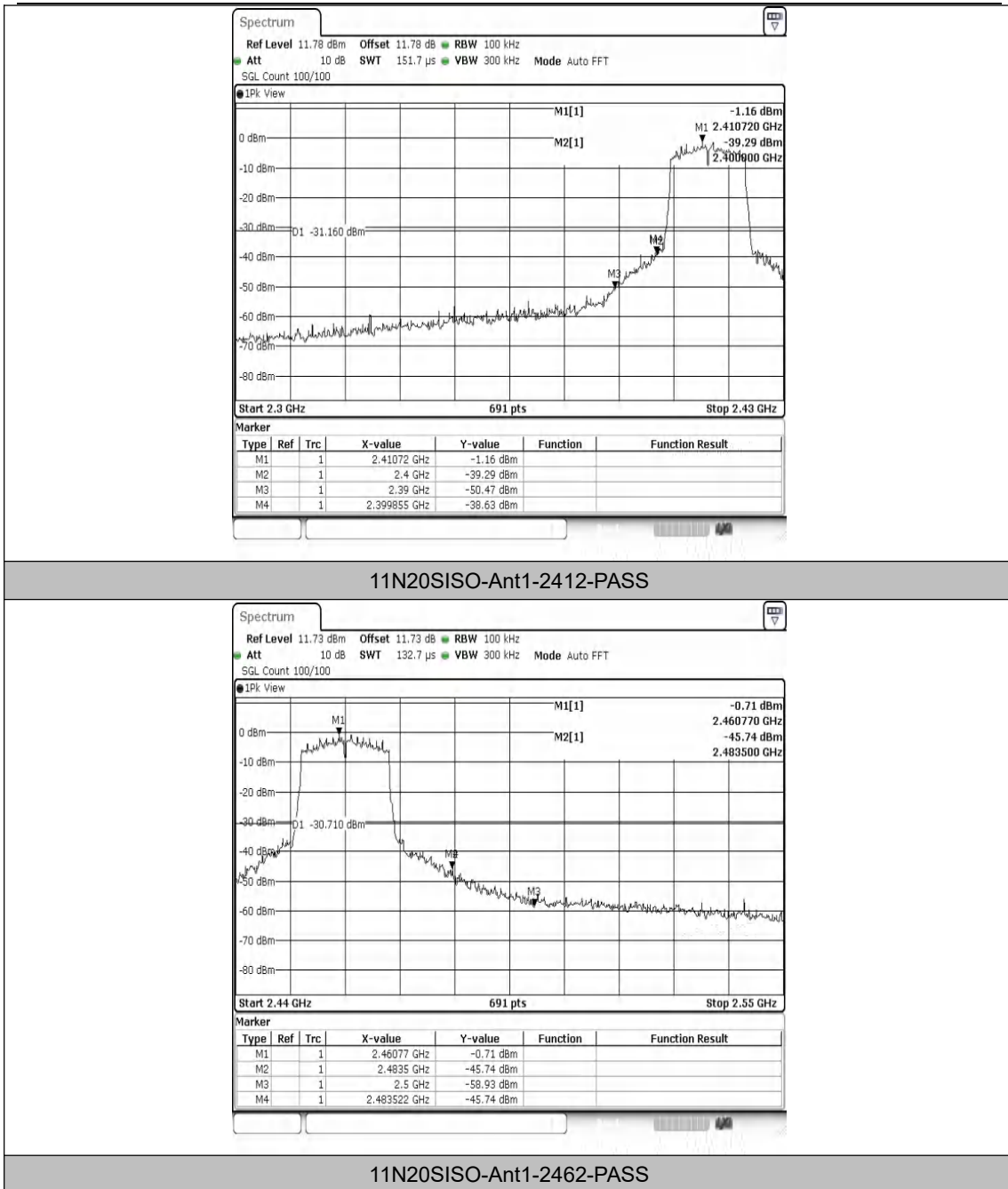




11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



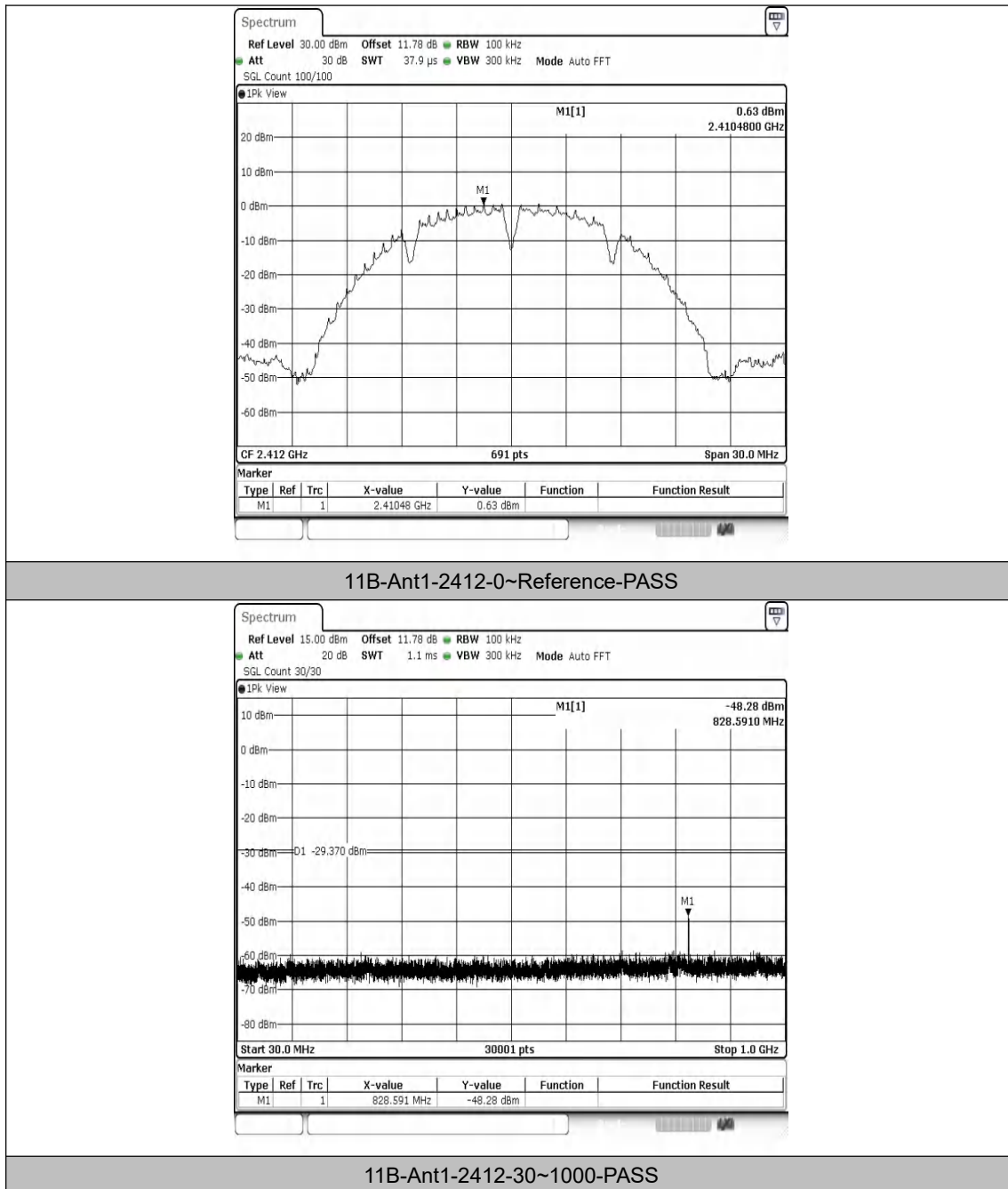
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	0.63	0.63	---	PASS
11B	Ant1	2412	30~1000	0.63	-48.28	≤-29.37	PASS
11B	Ant1	2412	1000~26500	0.63	-44.02	≤-29.37	PASS
11B	Ant1	2437	0~Reference	2.32	2.32	---	PASS
11B	Ant1	2437	30~1000	2.32	-57.98	≤-27.68	PASS
11B	Ant1	2437	1000~26500	2.32	-44.17	≤-27.68	PASS
11B	Ant1	2462	0~Reference	2.33	2.33	---	PASS
11B	Ant1	2462	30~1000	2.33	-57.3	≤-27.67	PASS
11B	Ant1	2462	1000~26500	2.33	-44.07	≤-27.67	PASS
11G	Ant1	2412	0~Reference	-1.31	-1.31	---	PASS
11G	Ant1	2412	30~1000	-1.31	-58.09	≤-31.31	PASS
11G	Ant1	2412	1000~26500	-1.31	-44.37	≤-31.31	PASS
11G	Ant1	2437	0~Reference	-2.08	-2.08	---	PASS
11G	Ant1	2437	30~1000	-2.08	-58.09	≤-32.08	PASS
11G	Ant1	2437	1000~26500	-2.08	-43.44	≤-32.08	PASS
11G	Ant1	2462	0~Reference	1.15	1.15	---	PASS
11G	Ant1	2462	30~1000	1.15	-57.9	≤-28.85	PASS
11G	Ant1	2462	1000~26500	1.15	-43.16	≤-28.85	PASS
11N20SISO	Ant1	2412	0~Reference	0.76	0.76	---	PASS
11N20SISO	Ant1	2412	30~1000	0.76	-57.53	≤-29.24	PASS
11N20SISO	Ant1	2412	1000~26500	0.76	-43.63	≤-29.24	PASS
11N20SISO	Ant1	2437	0~Reference	0.37	0.37	---	PASS
11N20SISO	Ant1	2437	30~1000	0.37	-57.81	≤-29.63	PASS
11N20SISO	Ant1	2437	1000~26500	0.37	-43.43	≤-29.63	PASS
11N20SISO	Ant1	2462	0~Reference	-0.51	-0.51	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.51	-57.94	≤-30.51	PASS
11N20SISO	Ant1	2462	1000~26500	-0.51	-44.05	≤-30.51	PASS



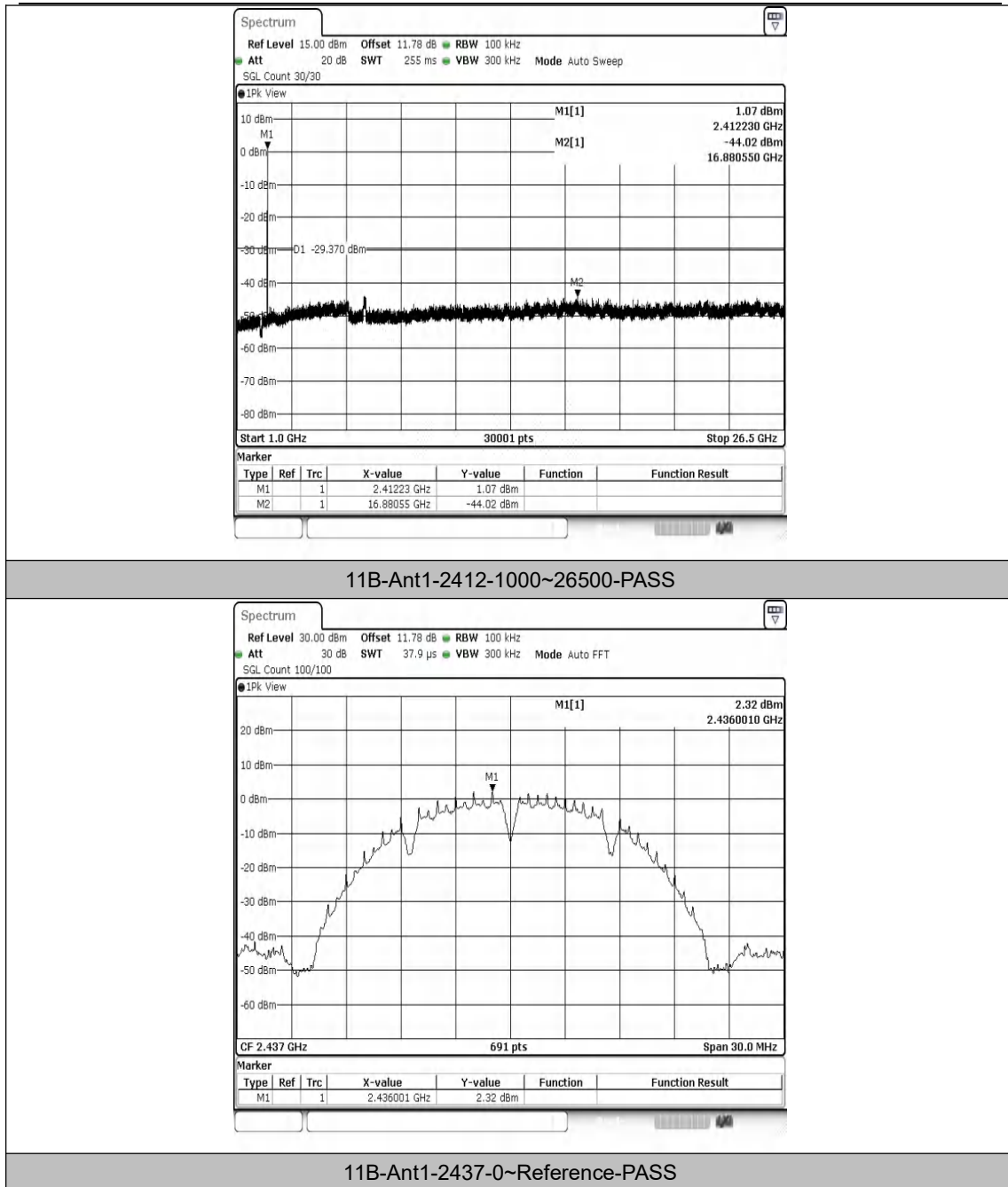
Test Graphs



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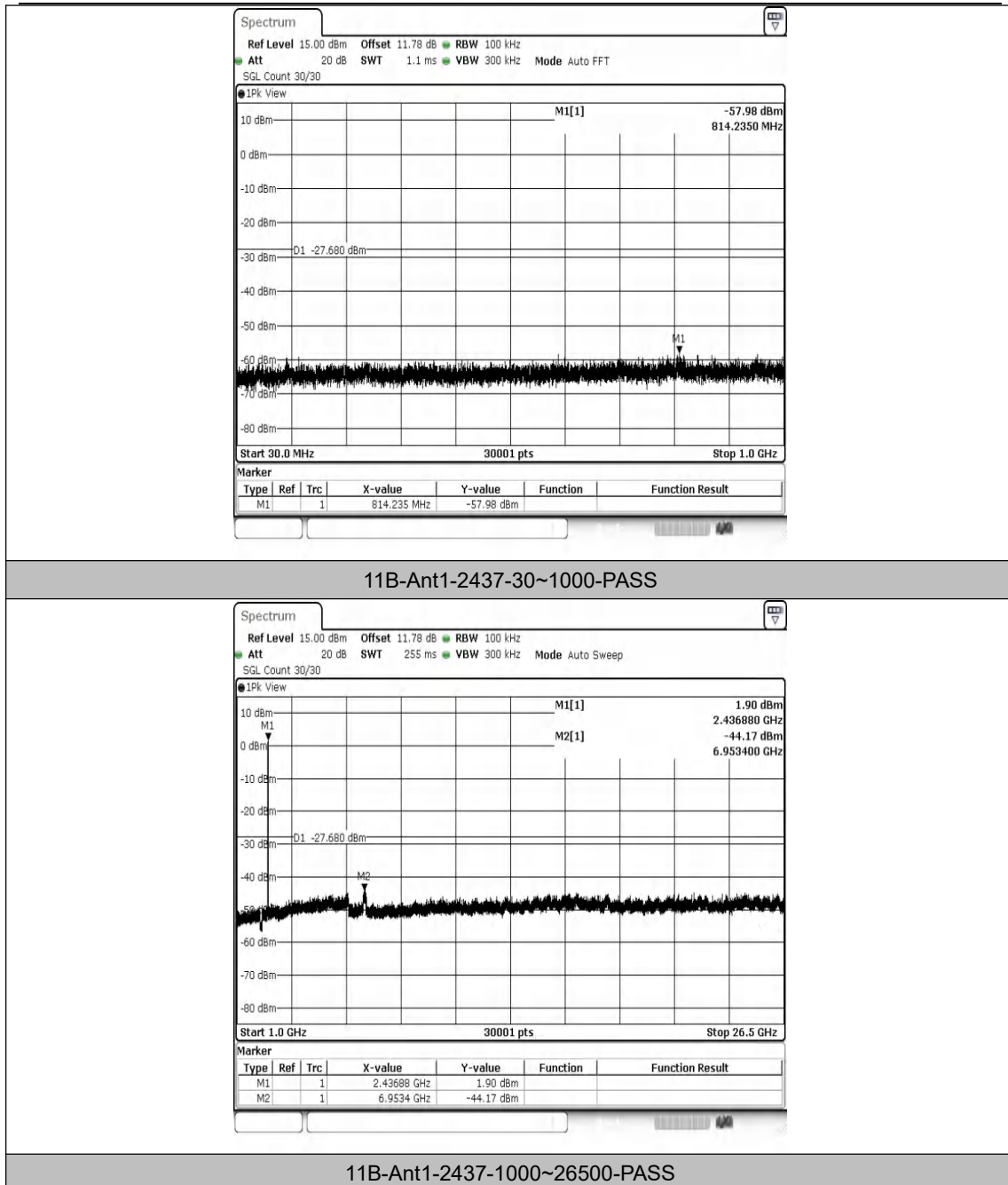
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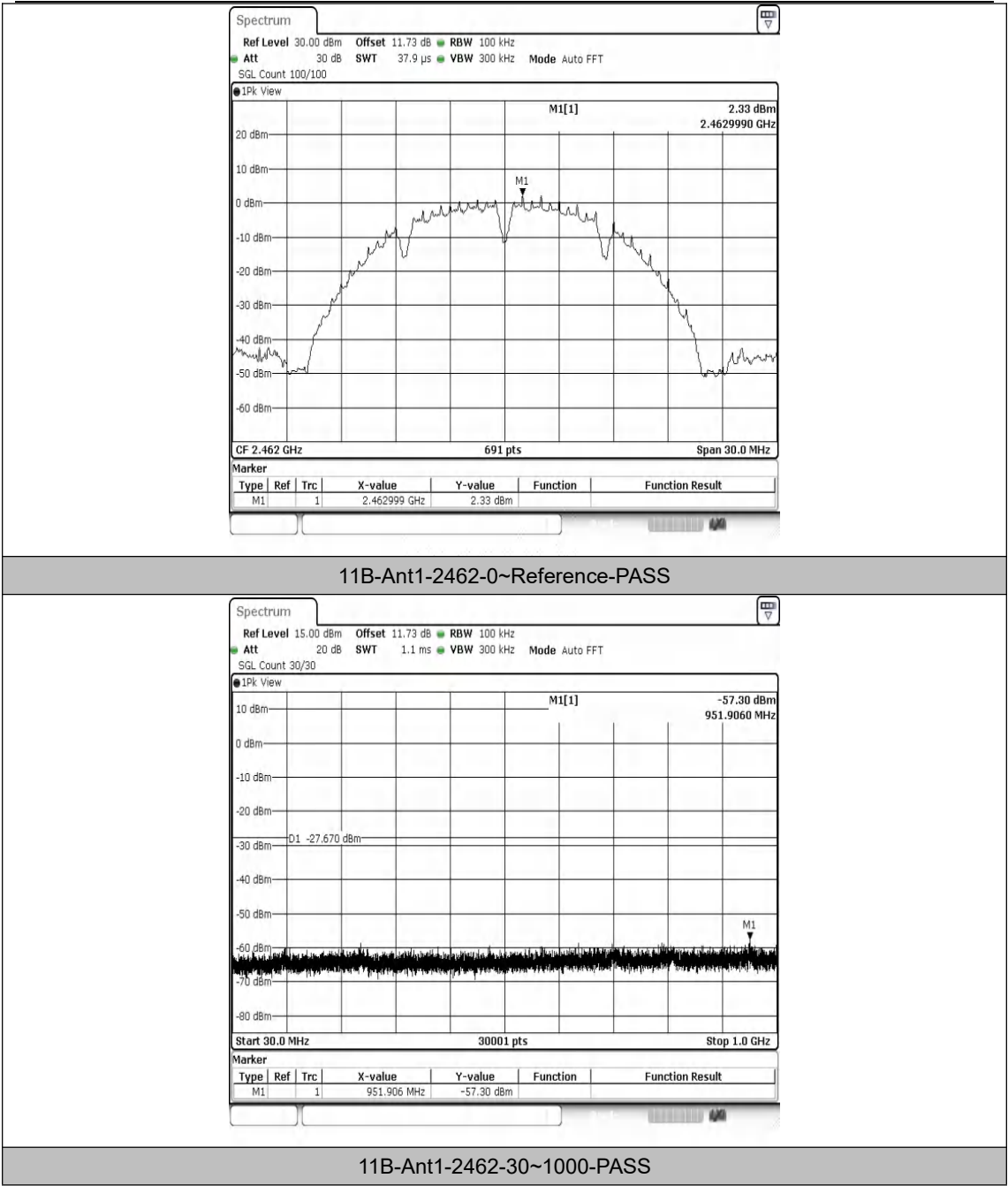
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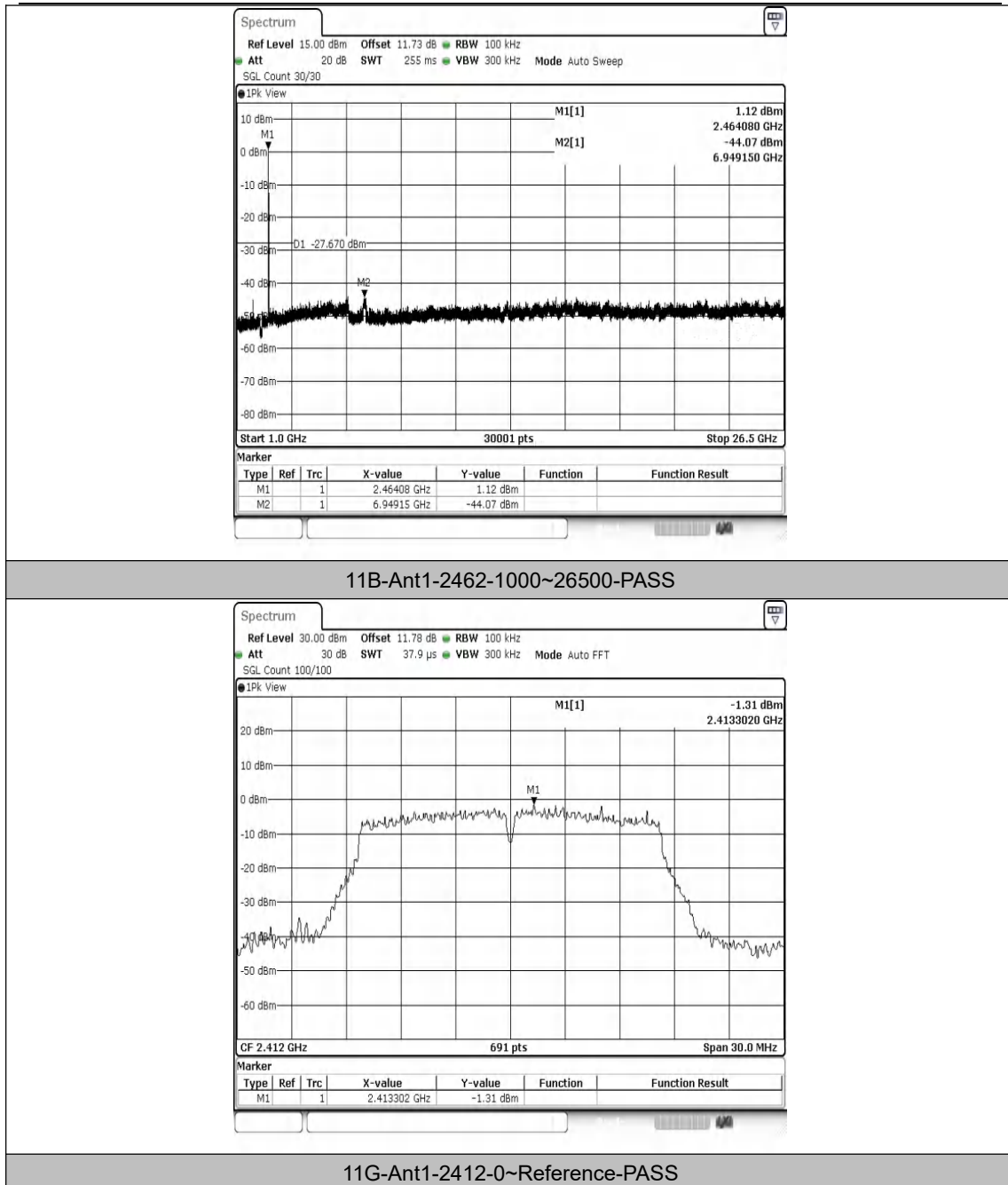


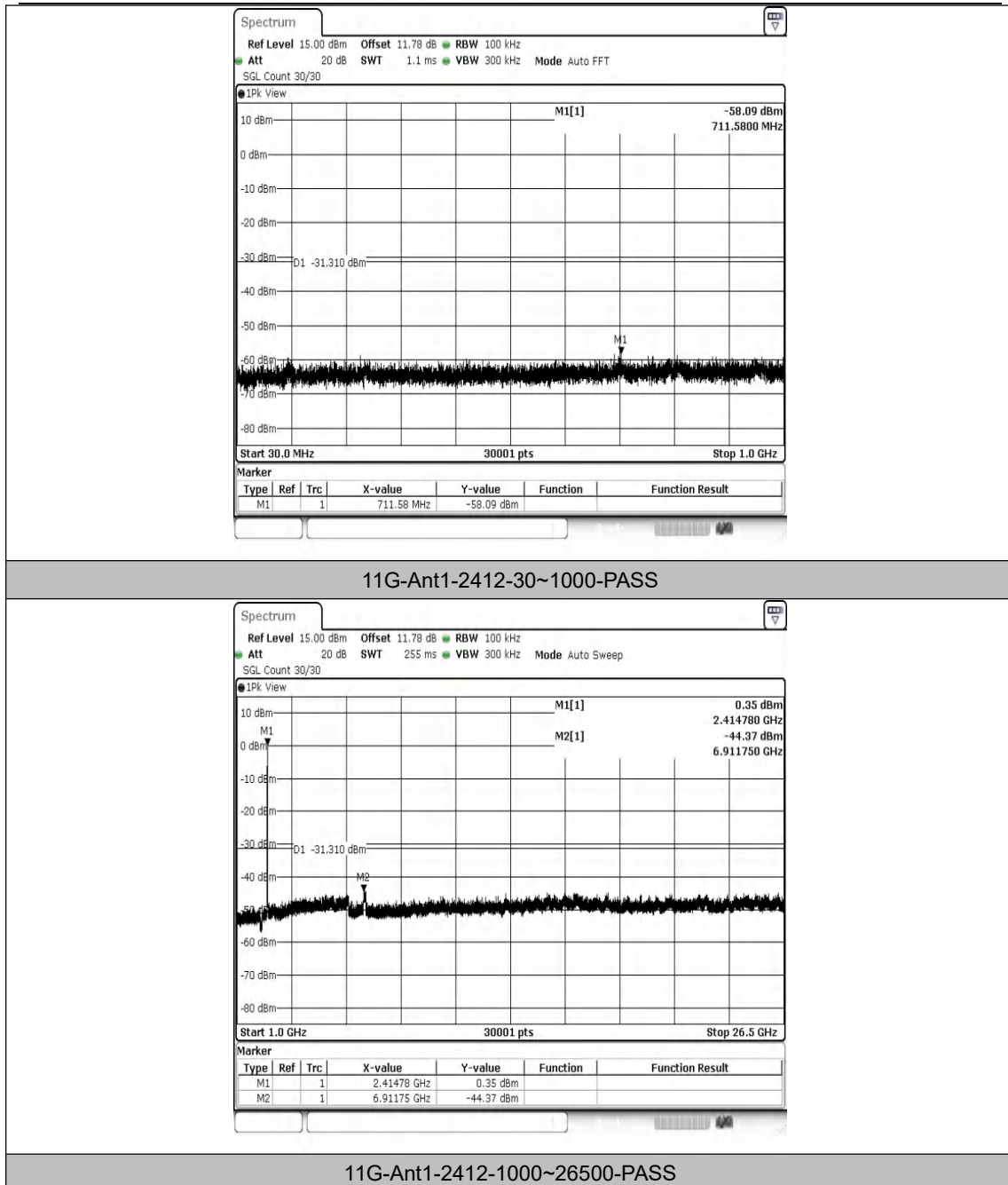
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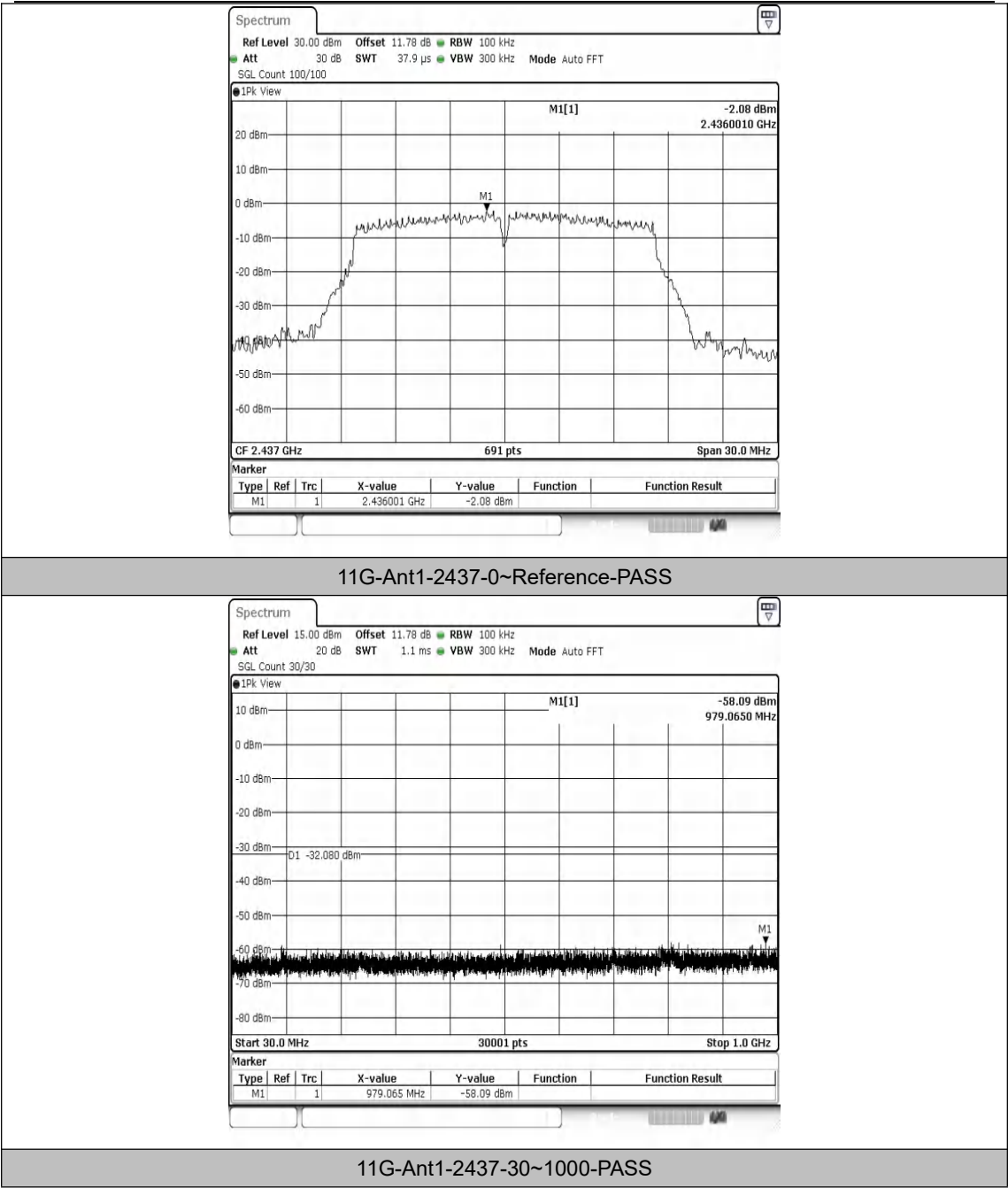


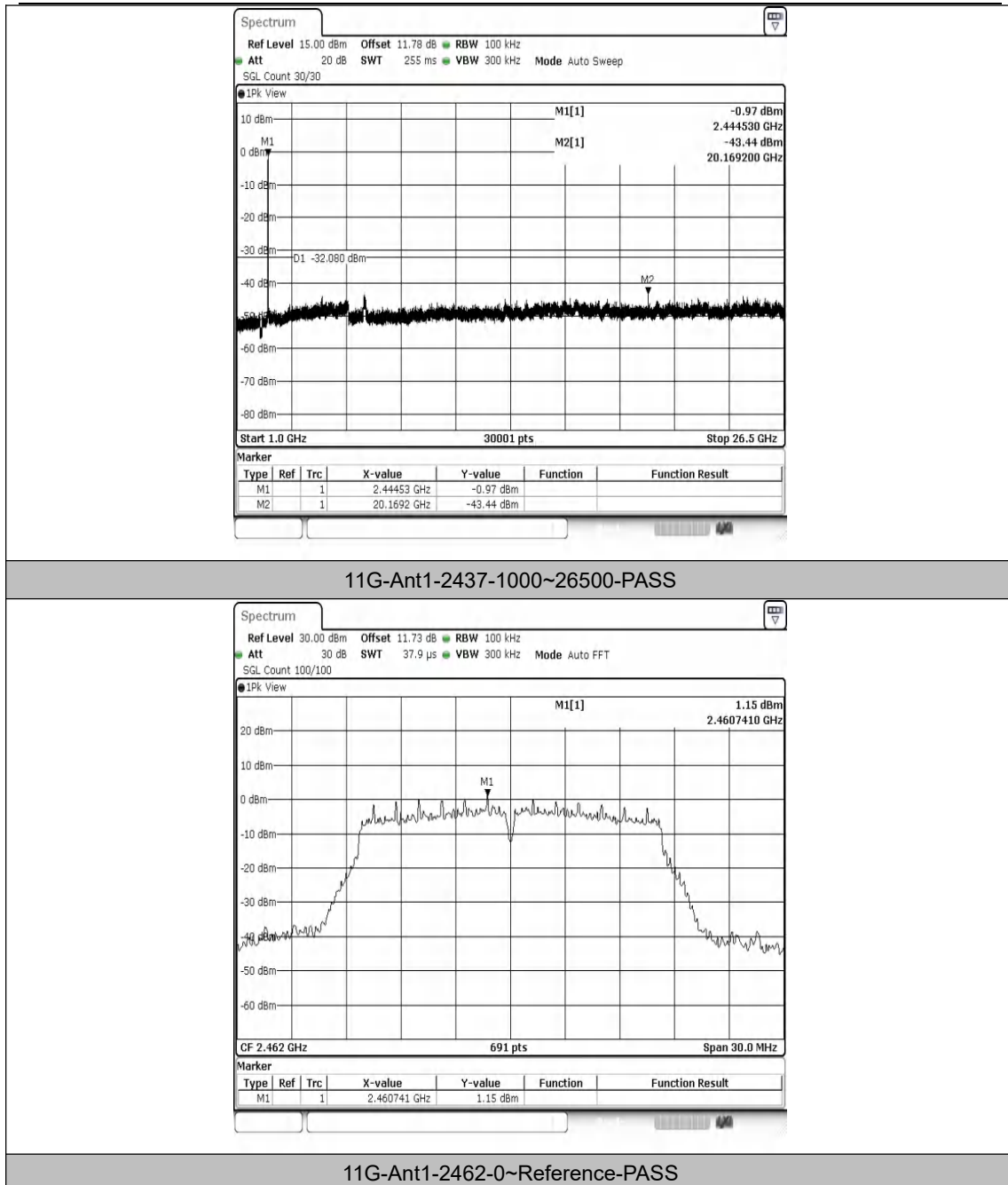


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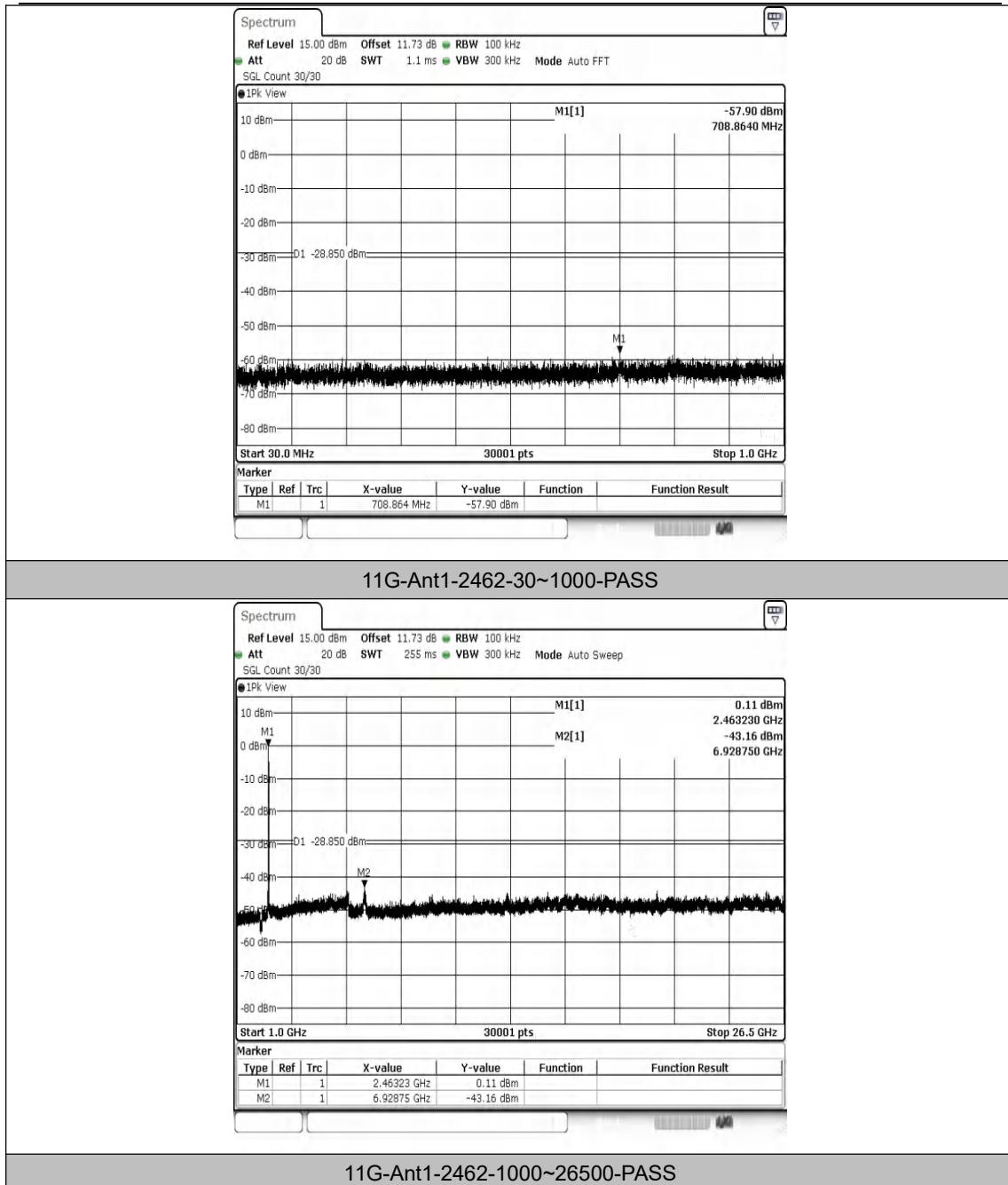




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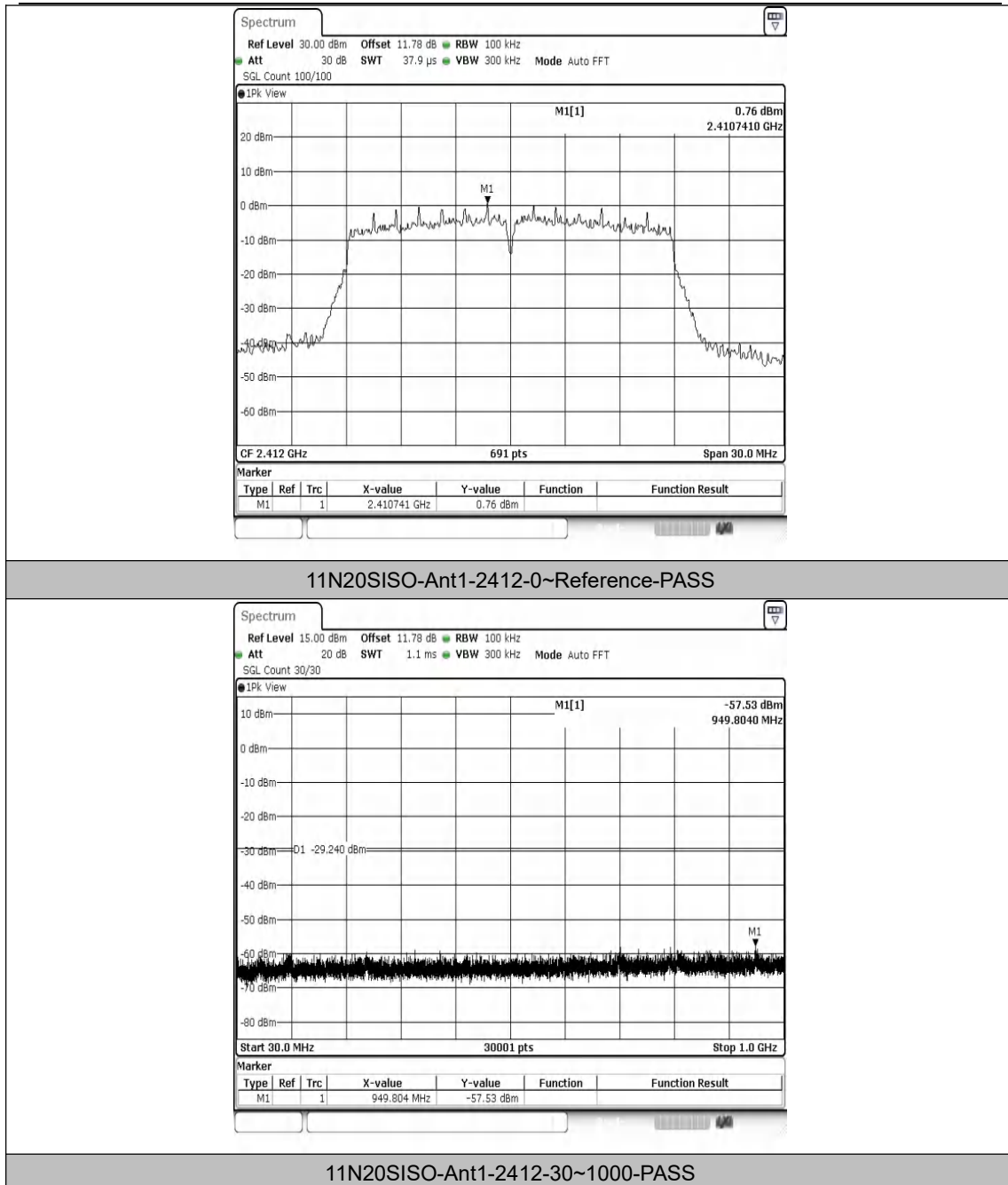
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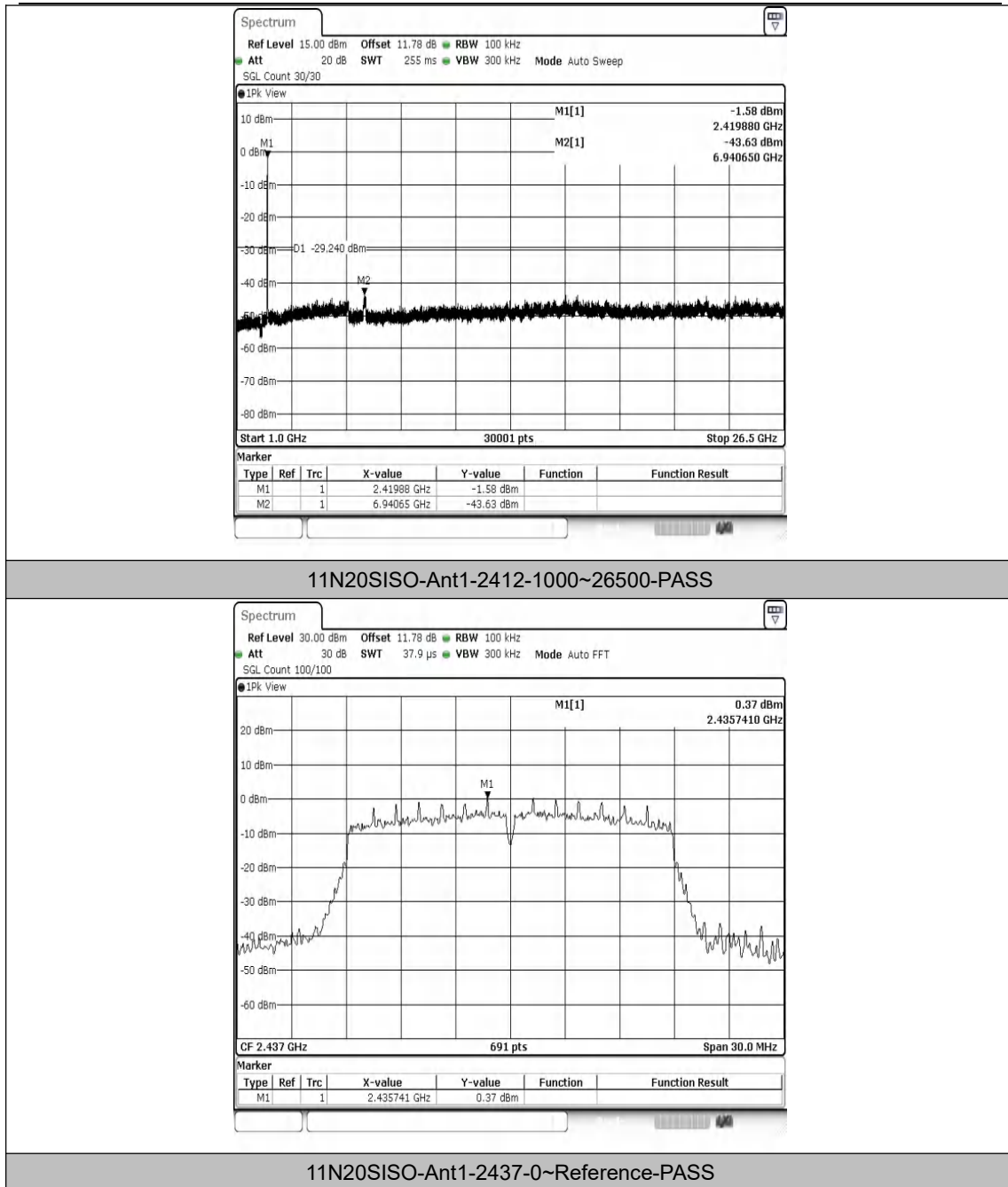


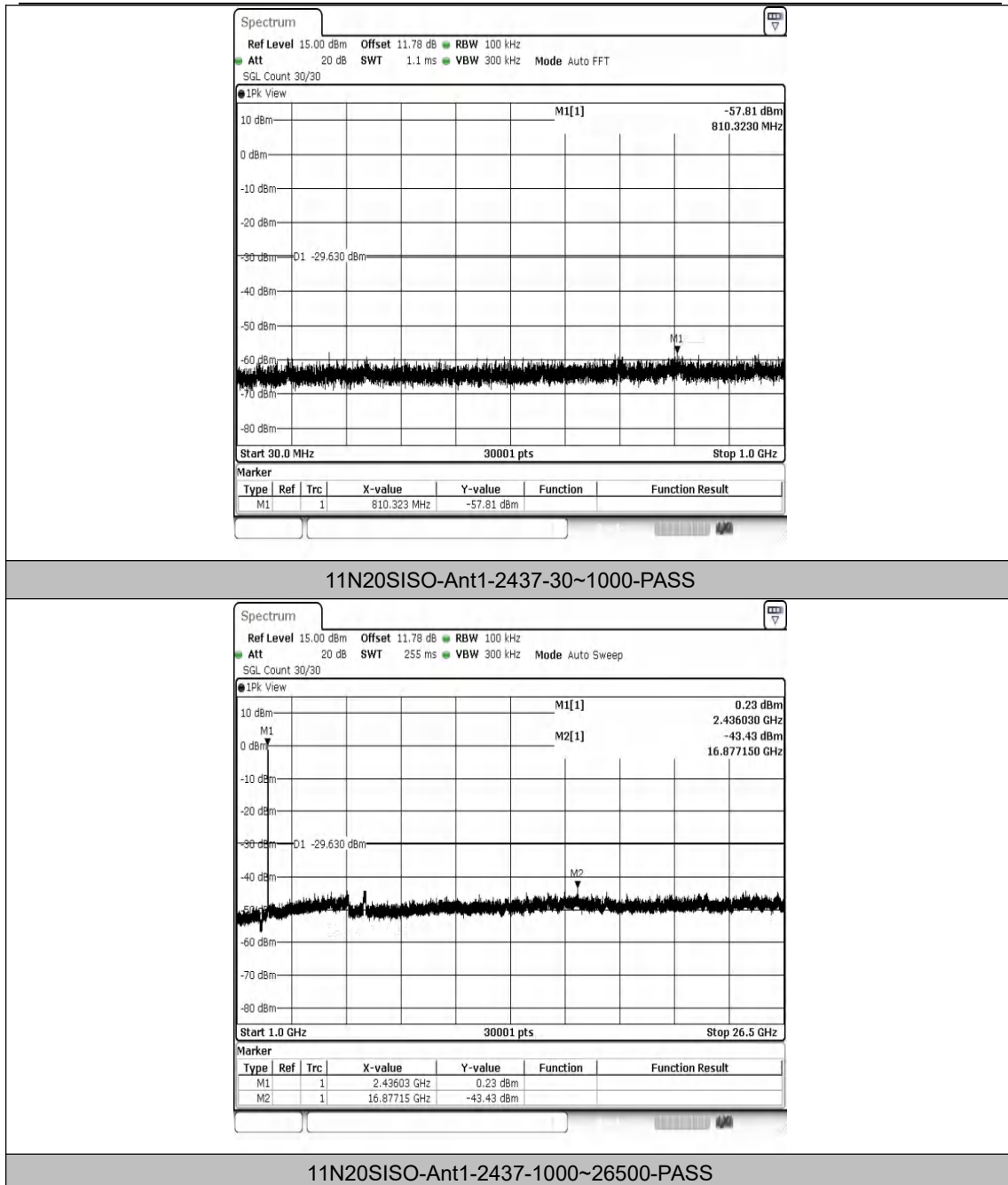
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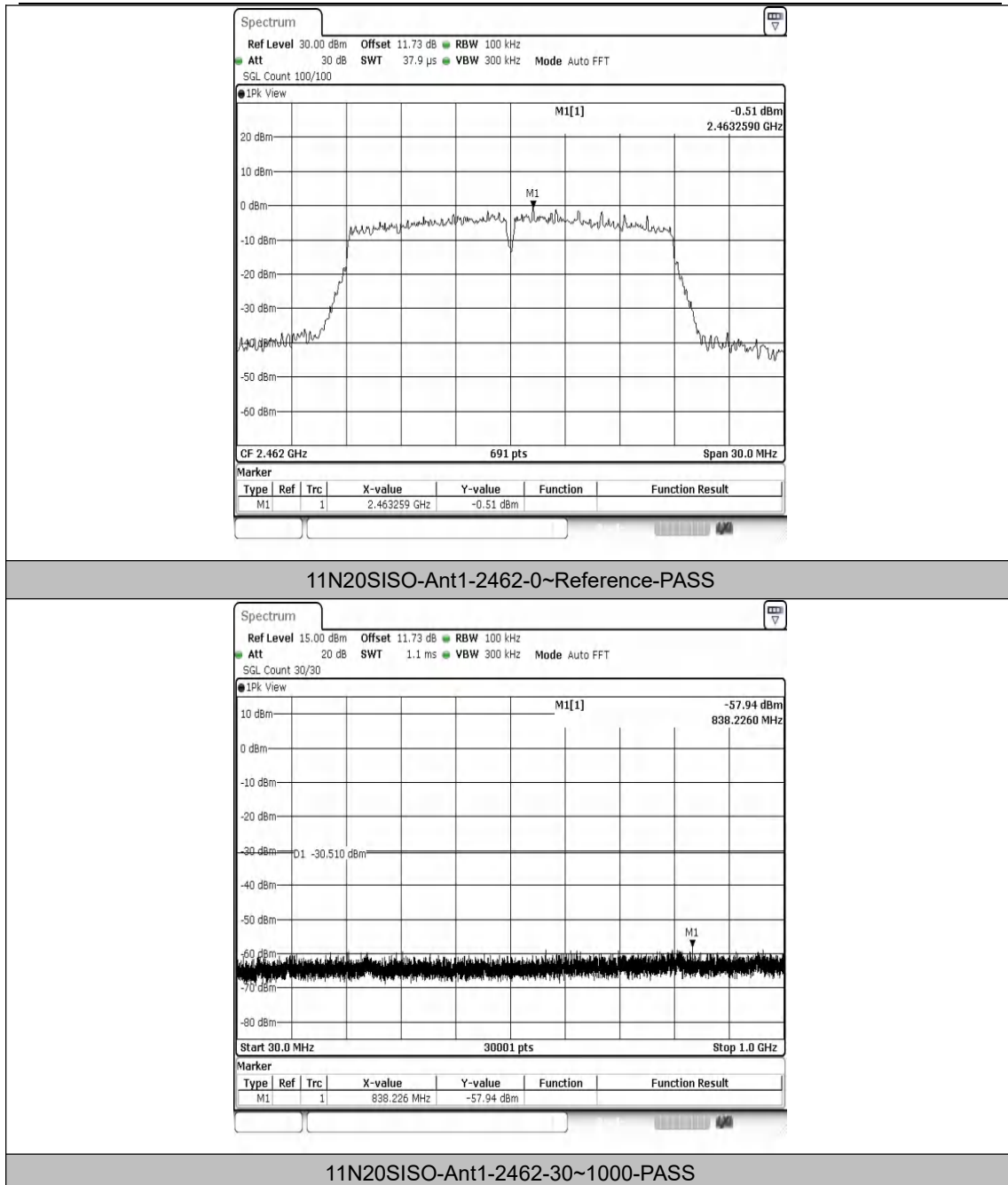


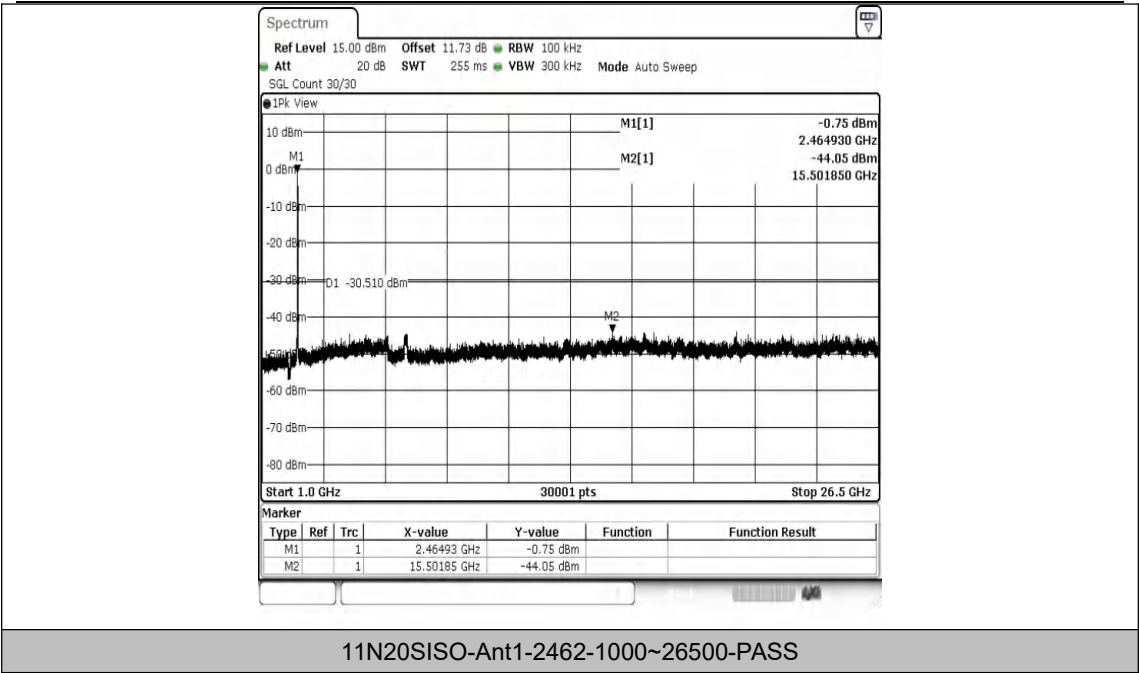


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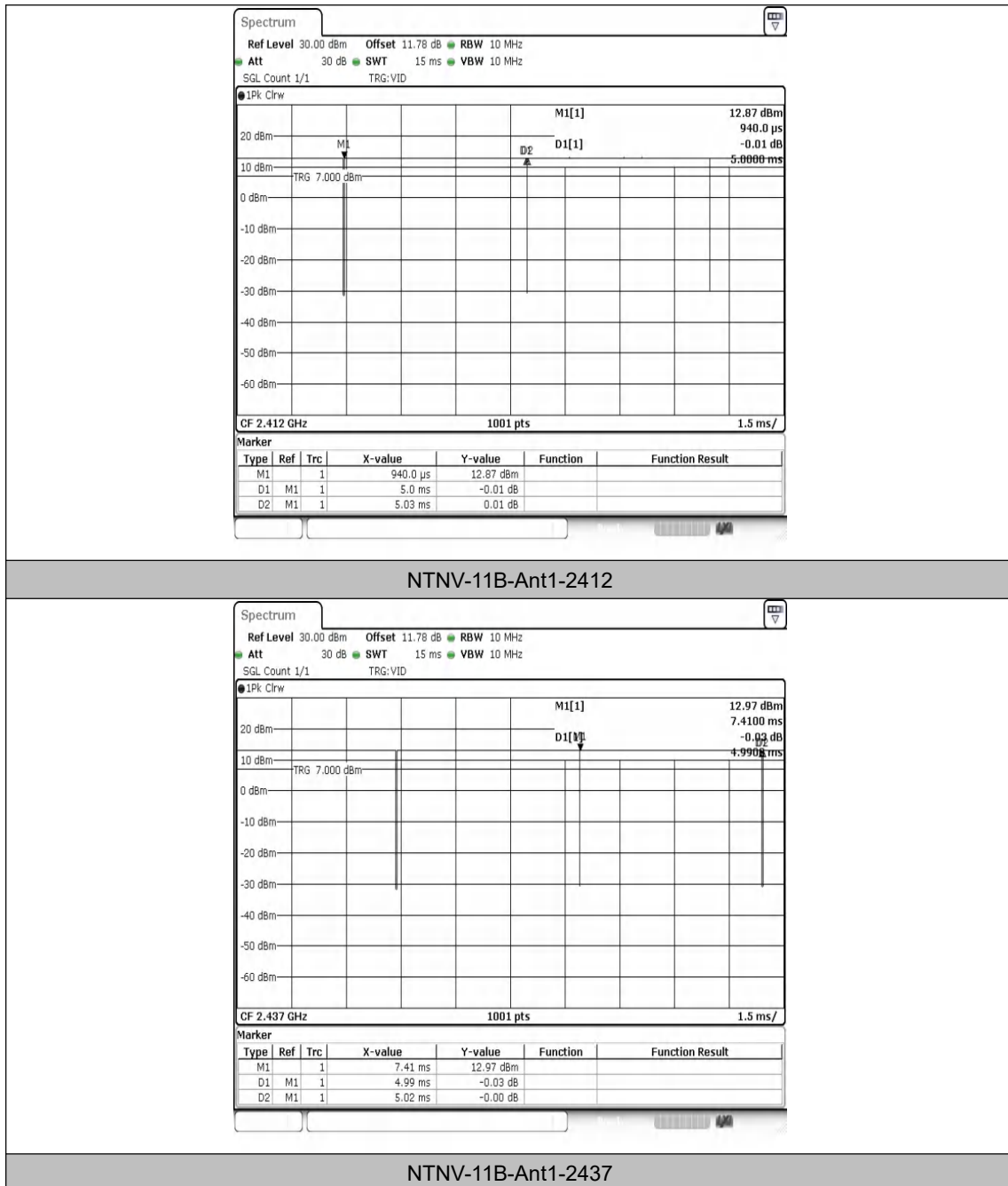
Appendix G: Duty Cycle

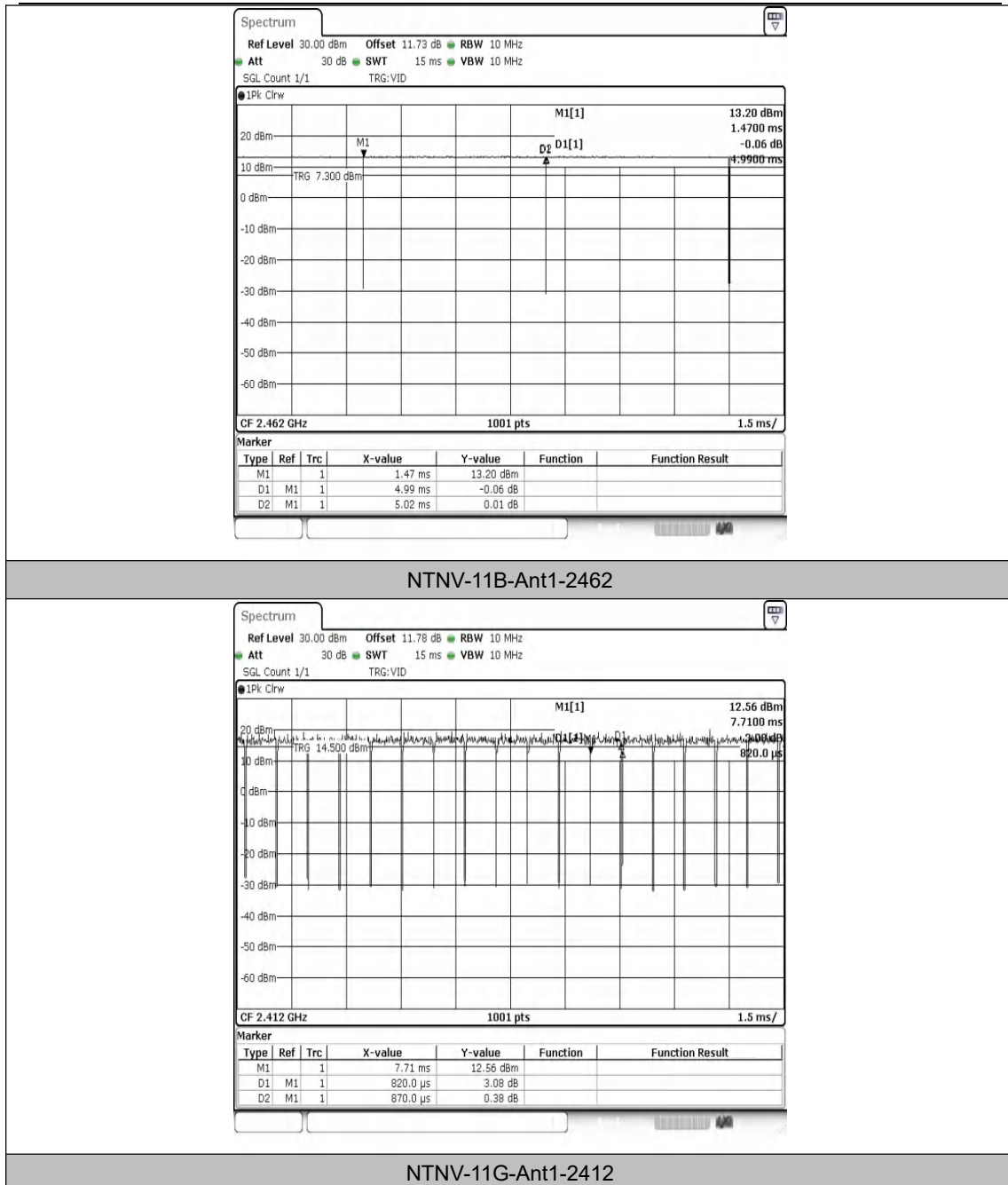
Test Result

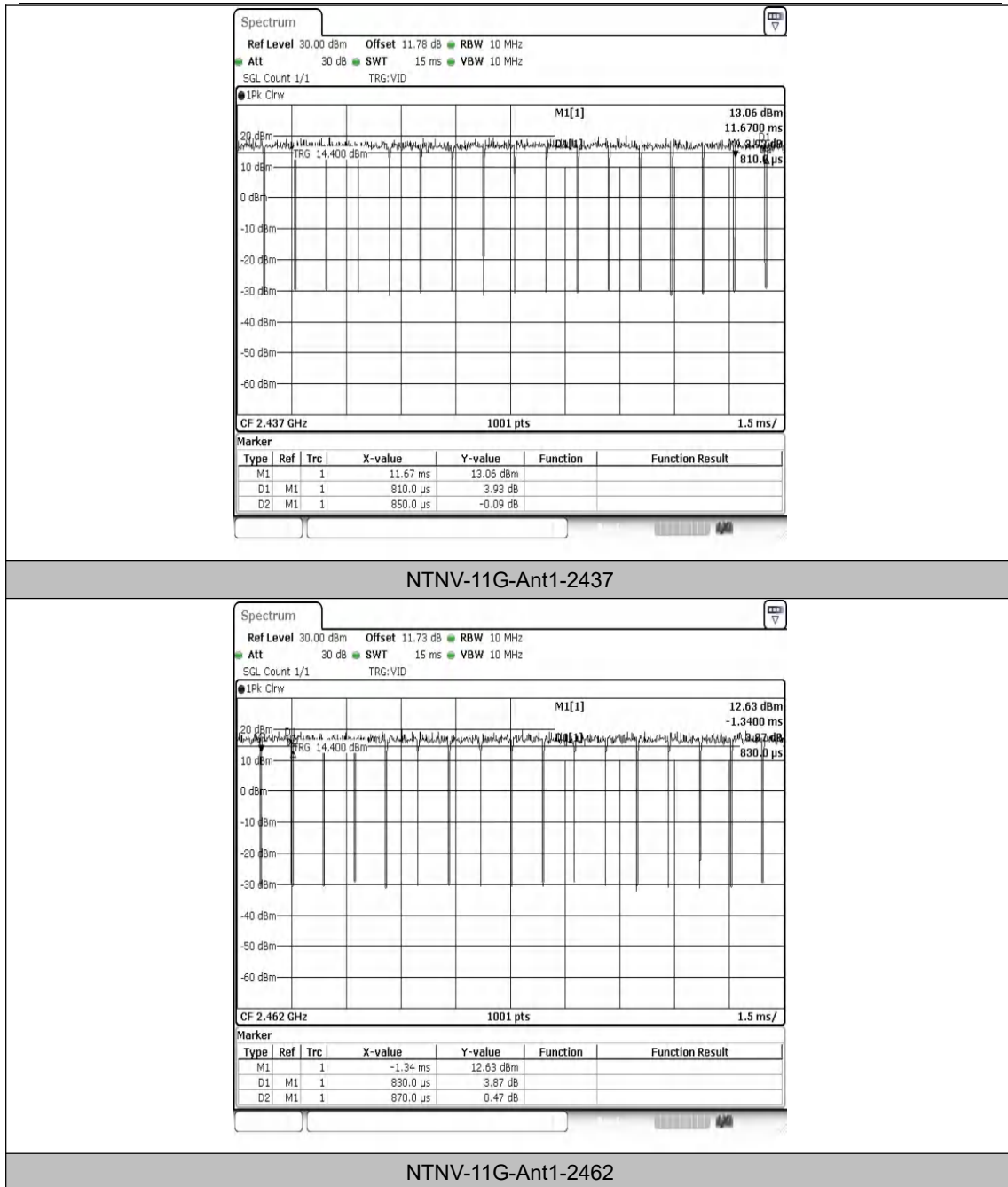
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	5.00	5.03	99.40	0.03
11B	Ant1	2437	4.99	5.02	99.40	0.03
11B	Ant1	2462	4.99	5.02	99.40	0.03
11G	Ant1	2412	0.82	0.87	94.25	0.26
11G	Ant1	2437	0.81	0.85	95.29	0.21
11G	Ant1	2462	0.83	0.87	95.40	0.20
11N20SISO	Ant1	2412	0.78	0.83	93.98	0.27
11N20SISO	Ant1	2437	0.78	0.83	93.98	0.27
11N20SISO	Ant1	2462	0.78	0.82	95.12	0.22



Test Graphs



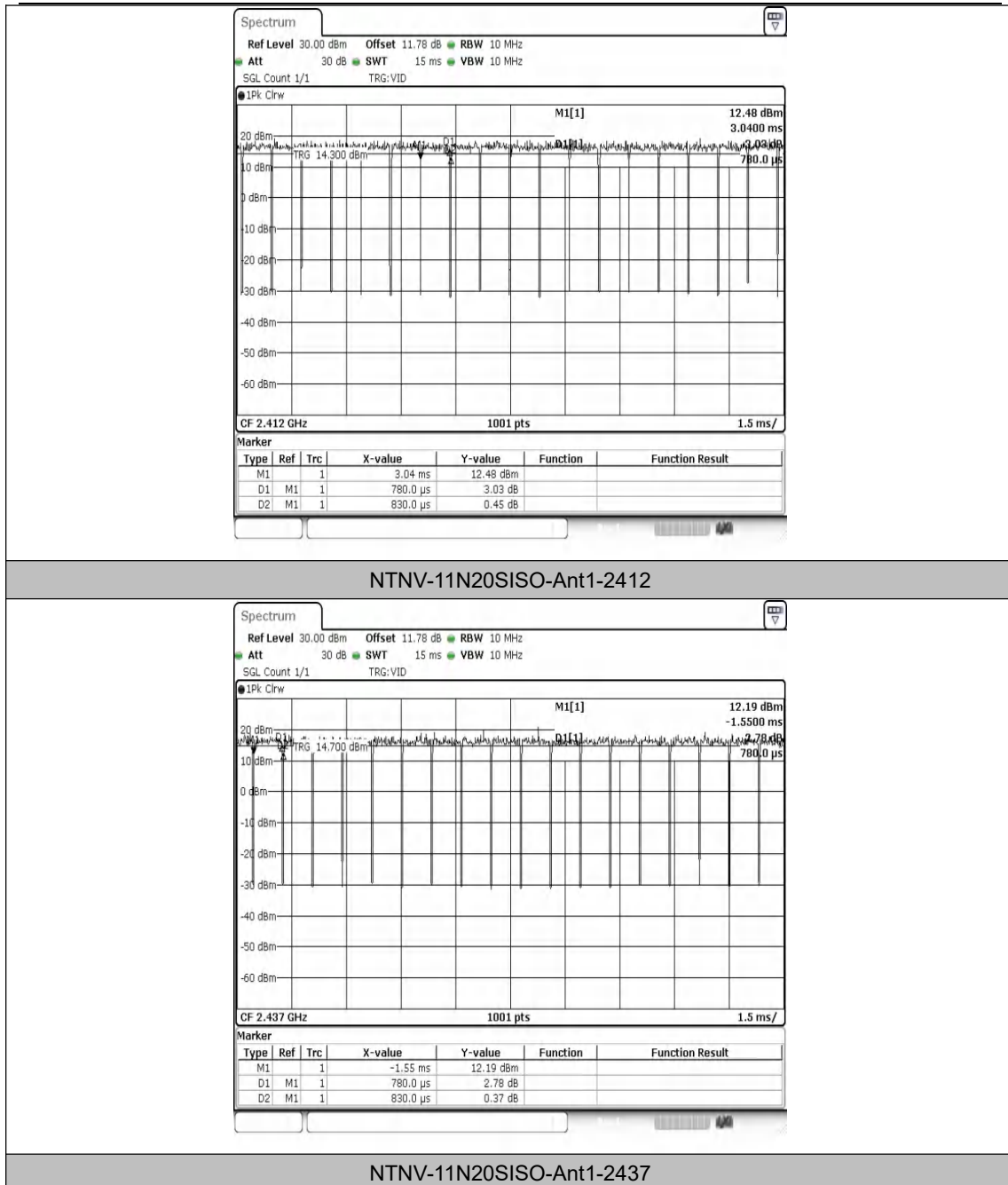




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Tel:(86)0755-26066440 Email:service@anbotek.com

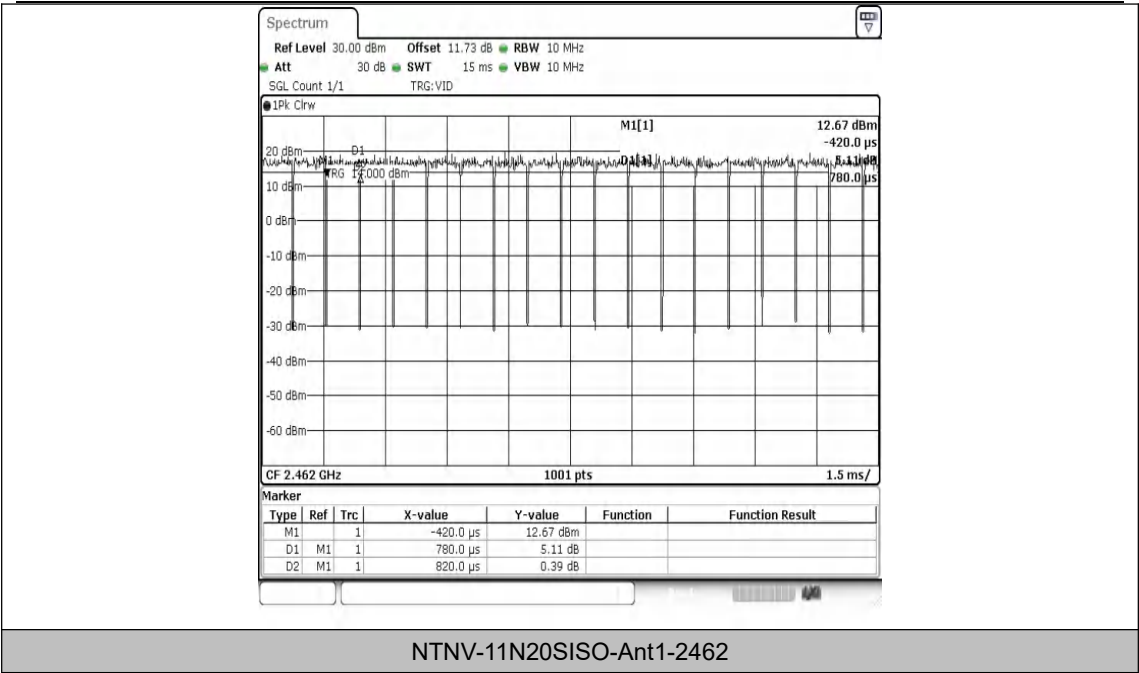
Hotline
400-003-0500
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