

Appendix Test Data

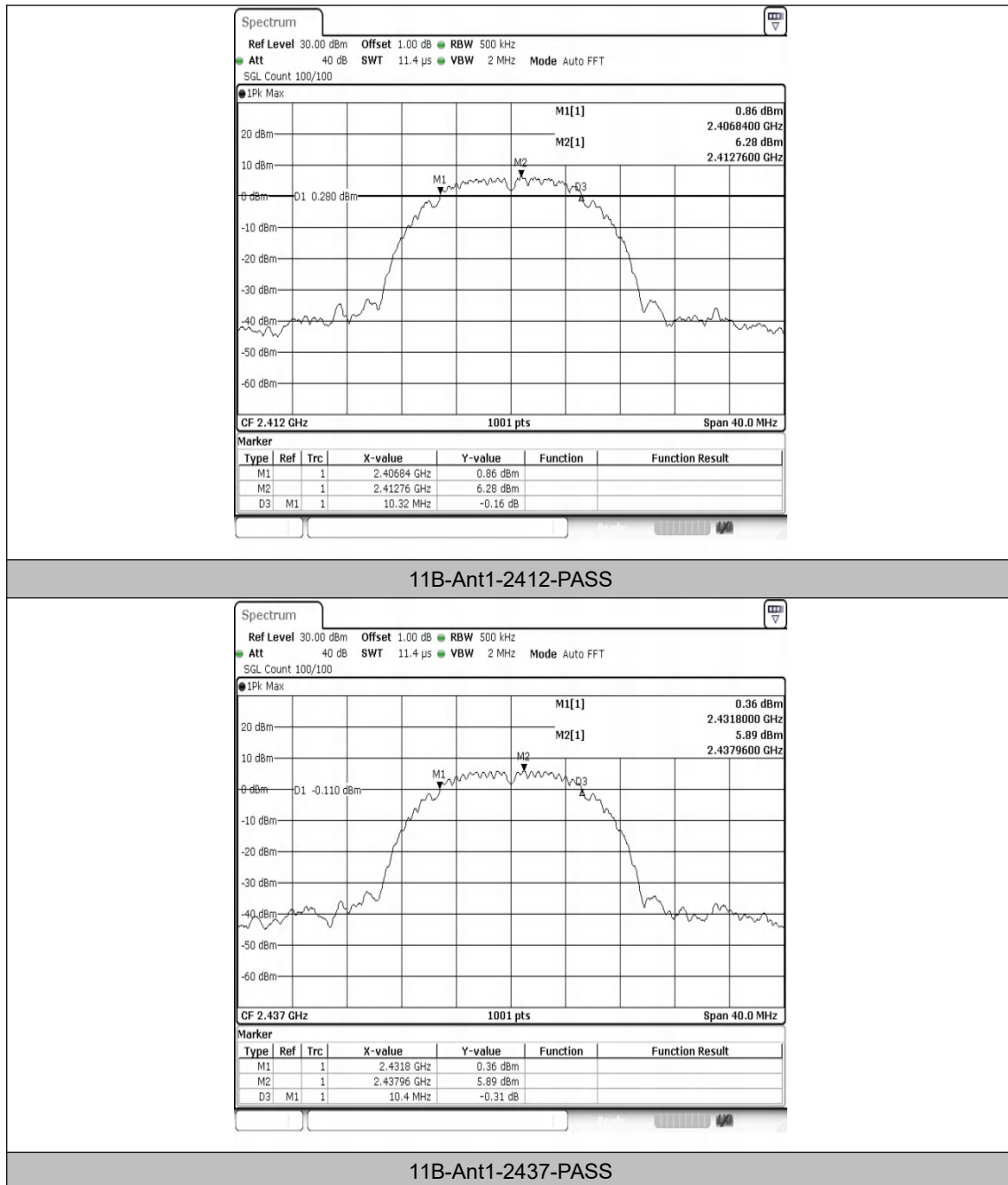
Report No.:	1812C50357612501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-22	Finish Test Date:	2025-7-31
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.1℃	Relative Humidity:	58%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.32	2406.84	2417.16	0.5	PASS
11B	Ant1	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant1	2462	10.40	2456.80	2467.20	0.5	PASS
11G	Ant1	2412	14.88	2404.88	2419.76	0.5	PASS
11G	Ant1	2437	14.76	2429.80	2444.56	0.5	PASS
11G	Ant1	2462	14.40	2445.68	2470.20	0.5	PASS
11N20SISO	Ant1	2412	15.16	2404.48	2419.64	0.5	PASS
11N20SISO	Ant1	2437	15.40	2429.04	2444.44	0.5	PASS
11N20SISO	Ant1	2462	15.56	2454.24	2469.80	0.5	PASS

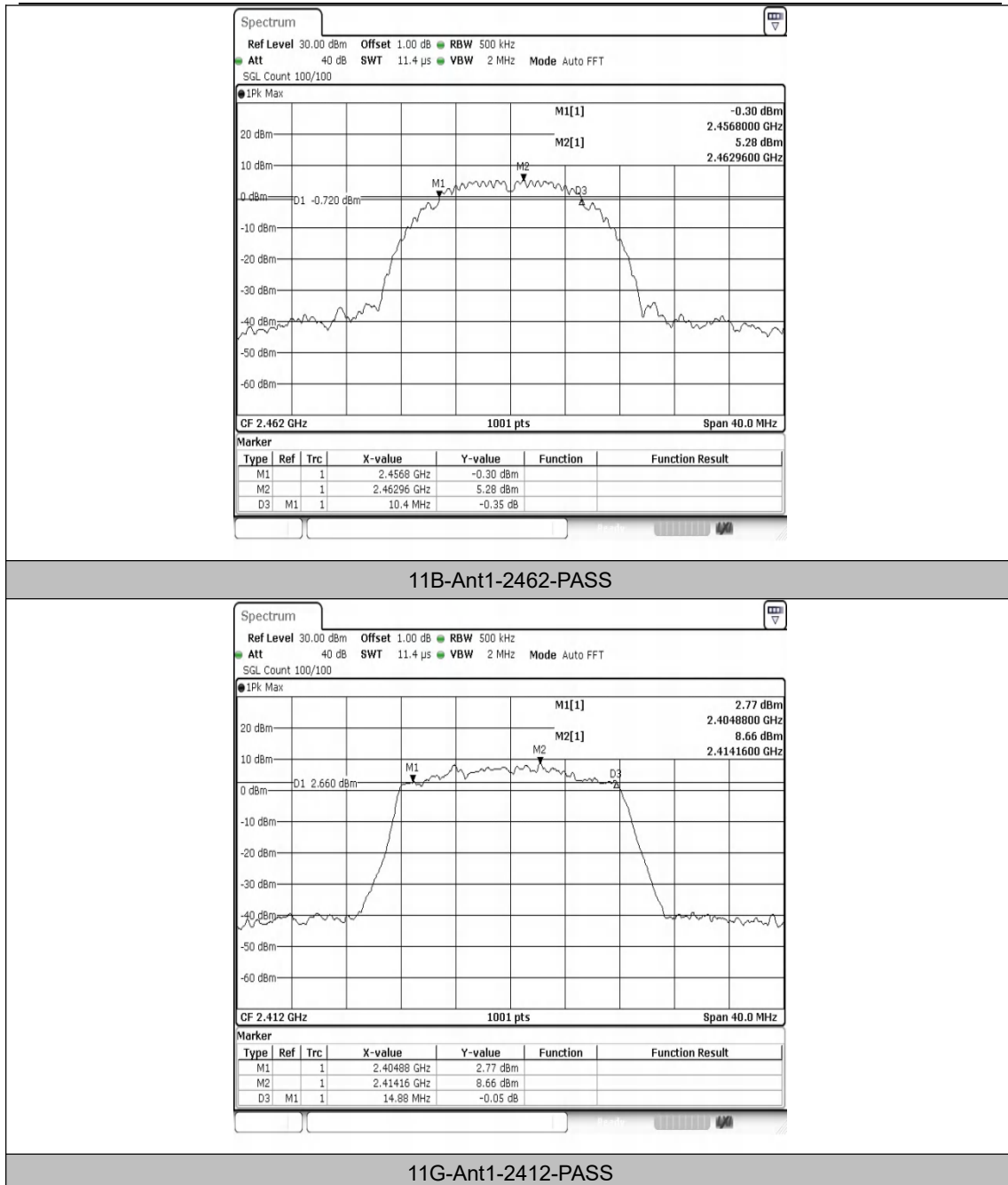
Test Graphs

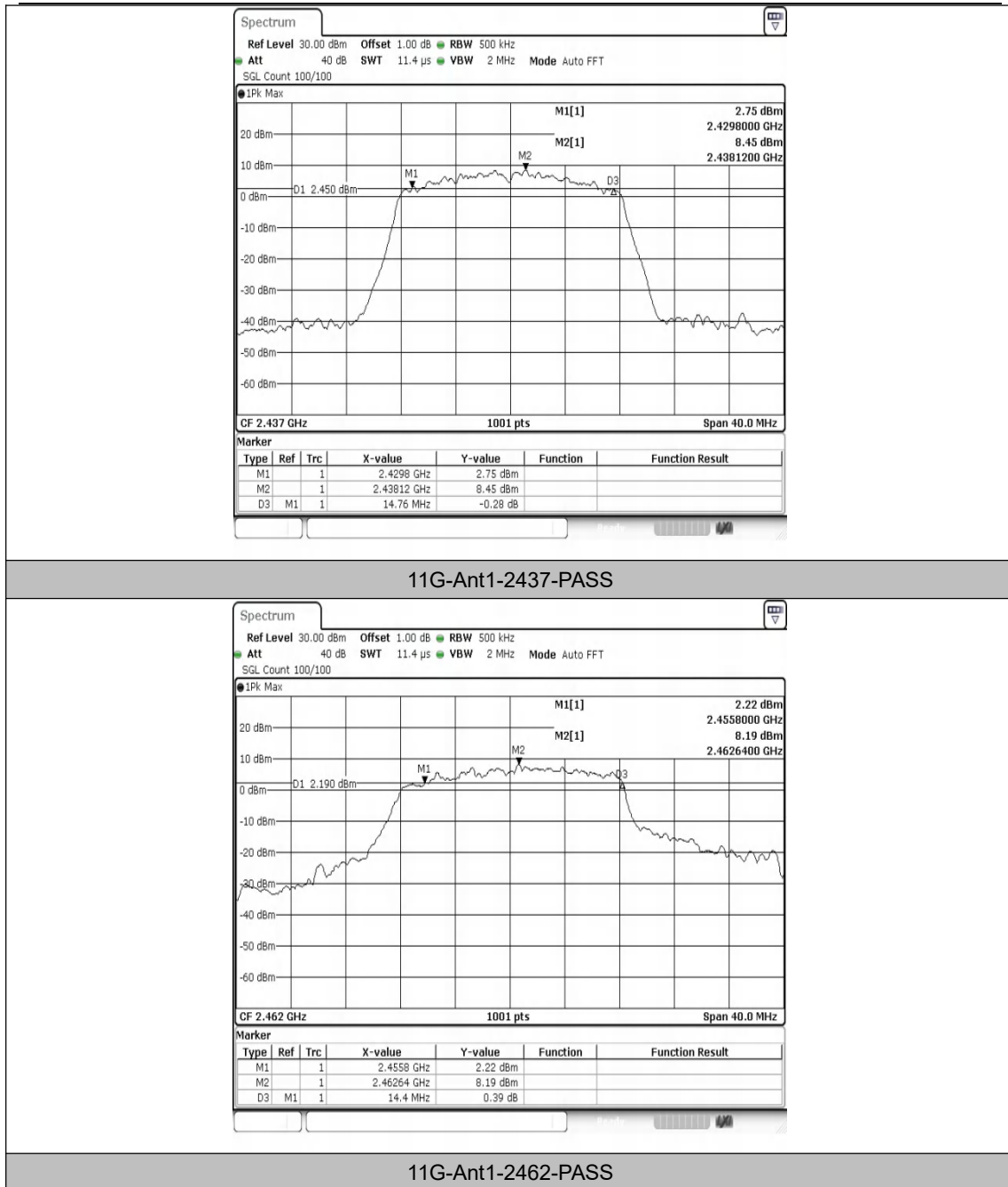


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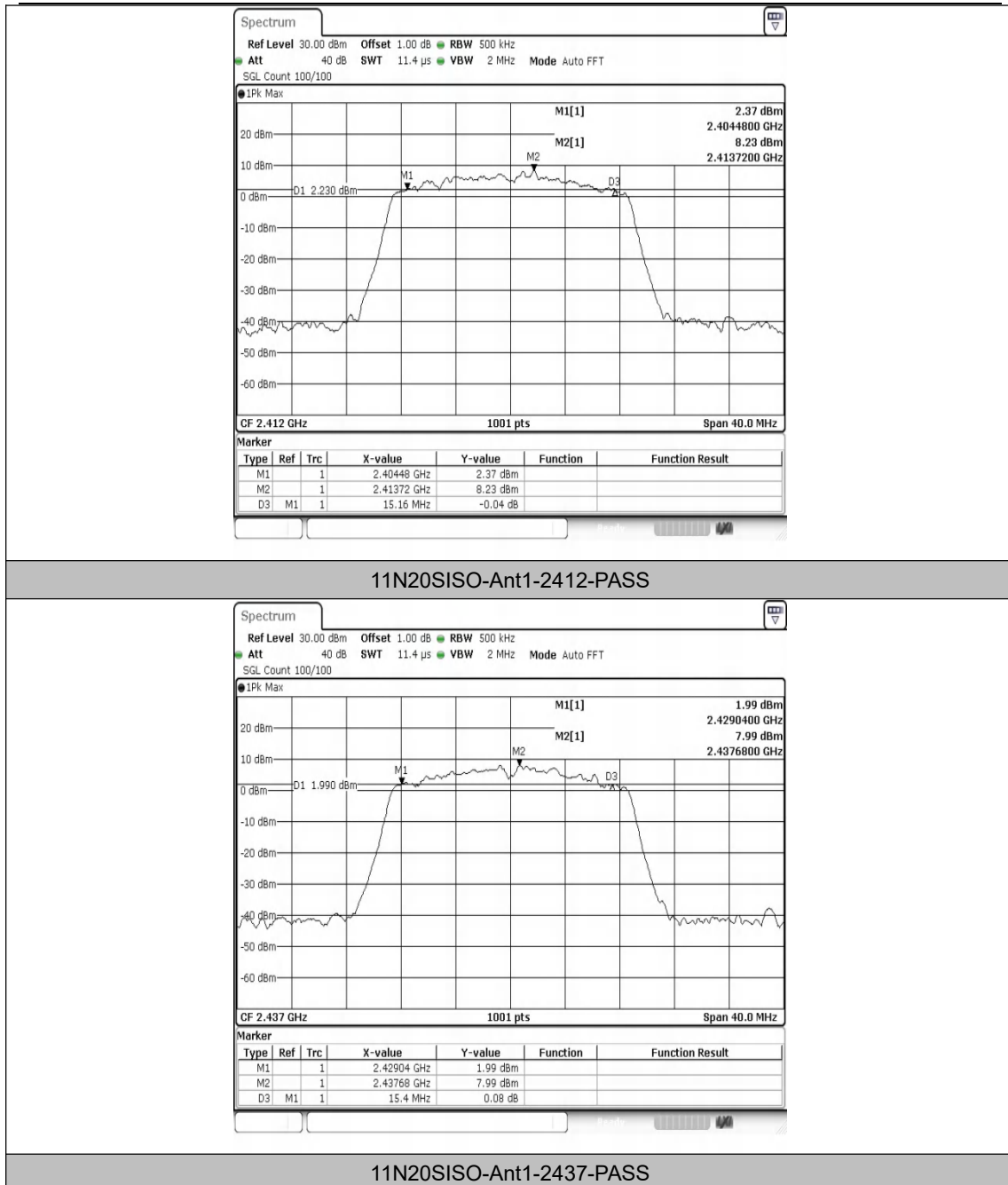


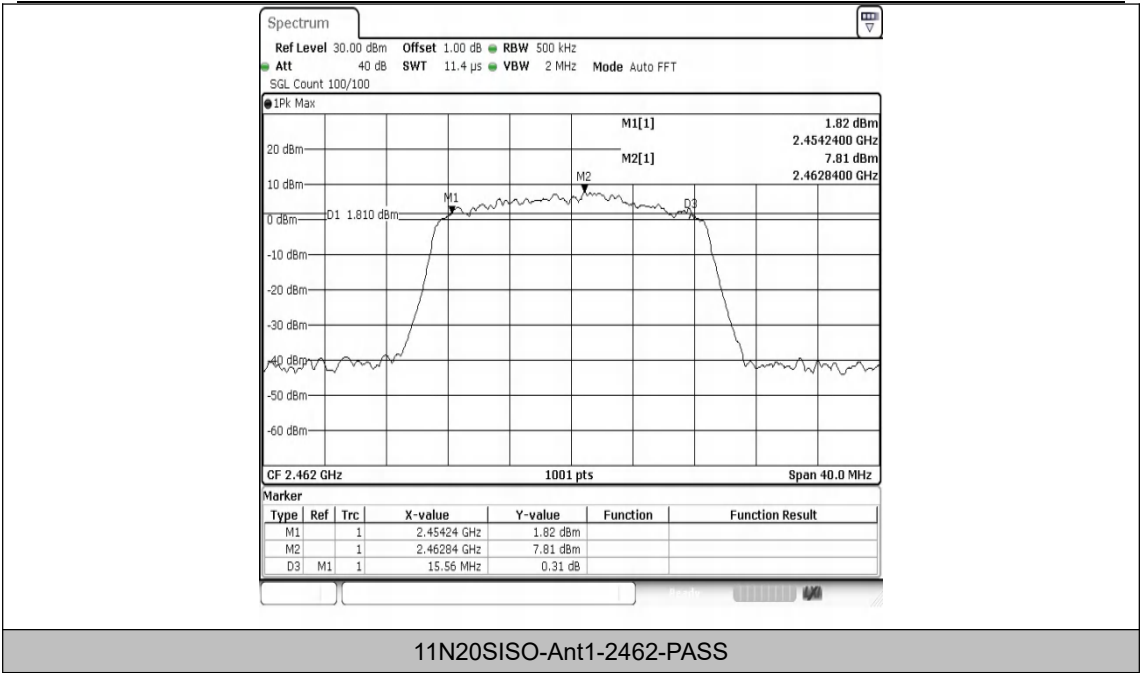


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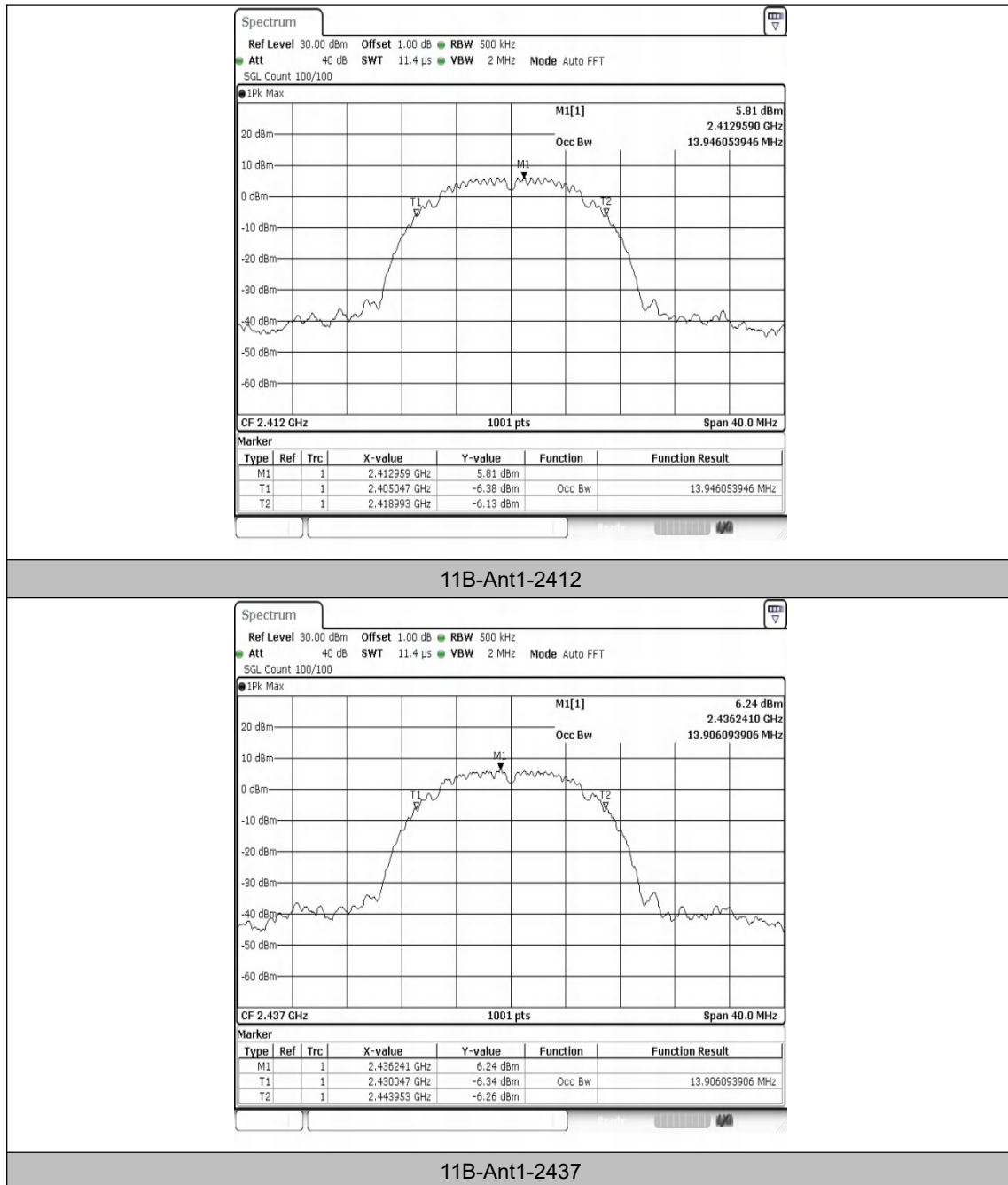
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.946	2405.0470	2418.9930	---	---
11B	Ant1	2437	13.906	2430.0470	2443.9530	---	---
11B	Ant1	2462	13.906	2455.0470	2468.9530	---	---
11G	Ant1	2412	16.224	2403.8881	2420.1119	---	---
11G	Ant1	2437	16.224	2428.9281	2445.1518	---	---
11G	Ant1	2462	17.143	2453.7283	2470.8711	---	---
11N20SISO	Ant1	2412	17.343	2403.2887	2420.6314	---	---
11N20SISO	Ant1	2437	17.343	2428.2887	2445.6314	---	---
11N20SISO	Ant1	2462	17.383	2453.2887	2470.6713	---	---

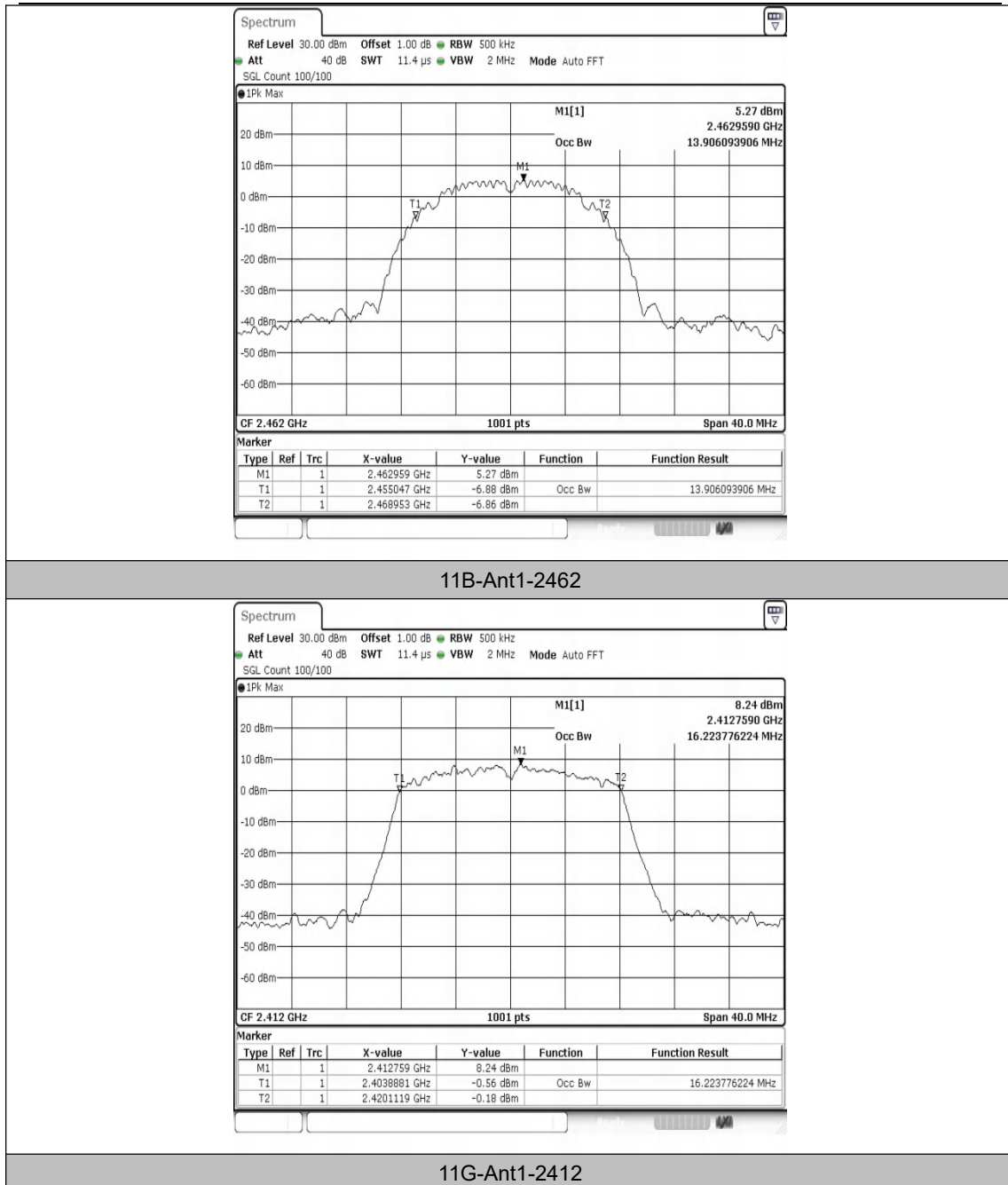
Test Graphs



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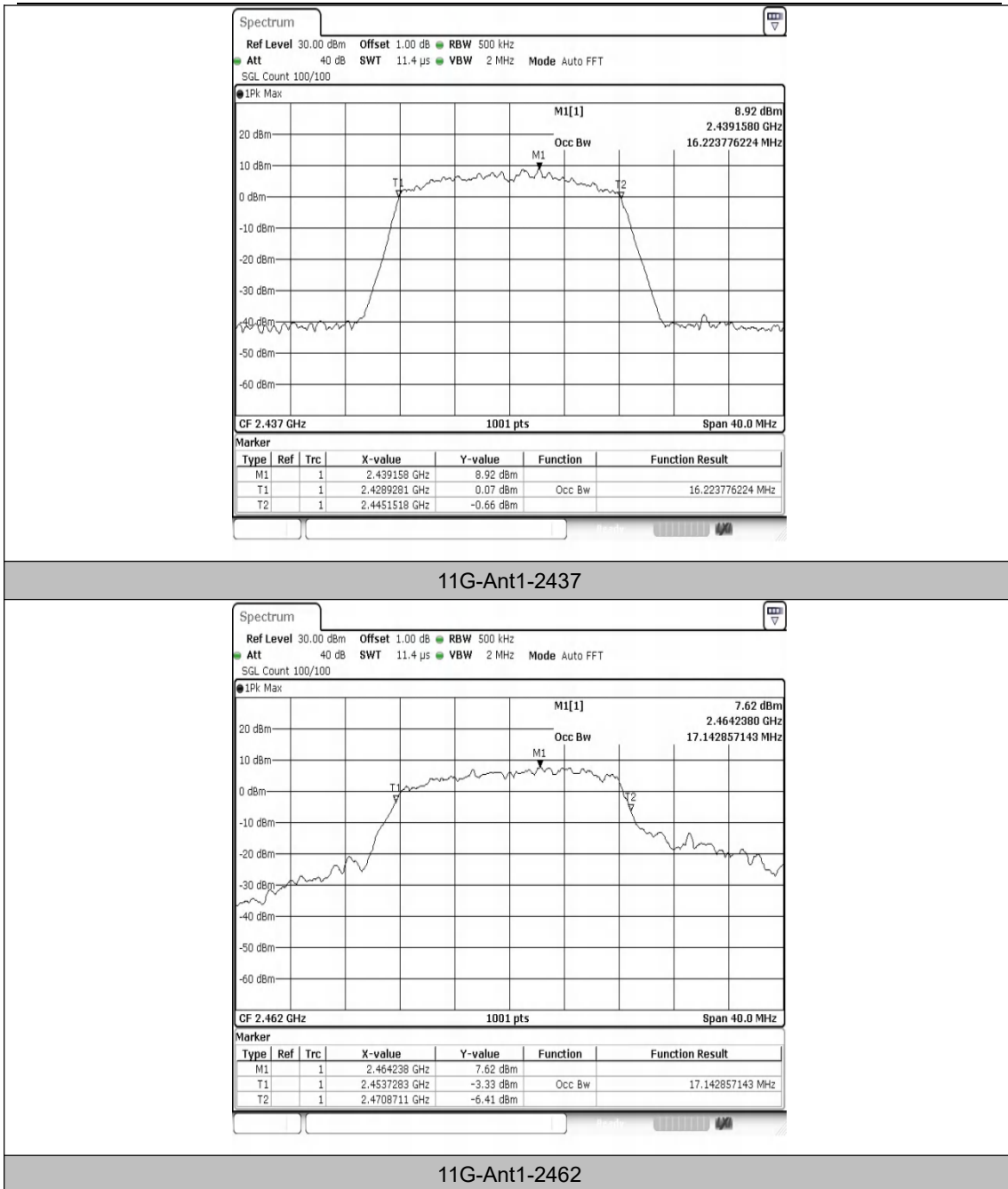
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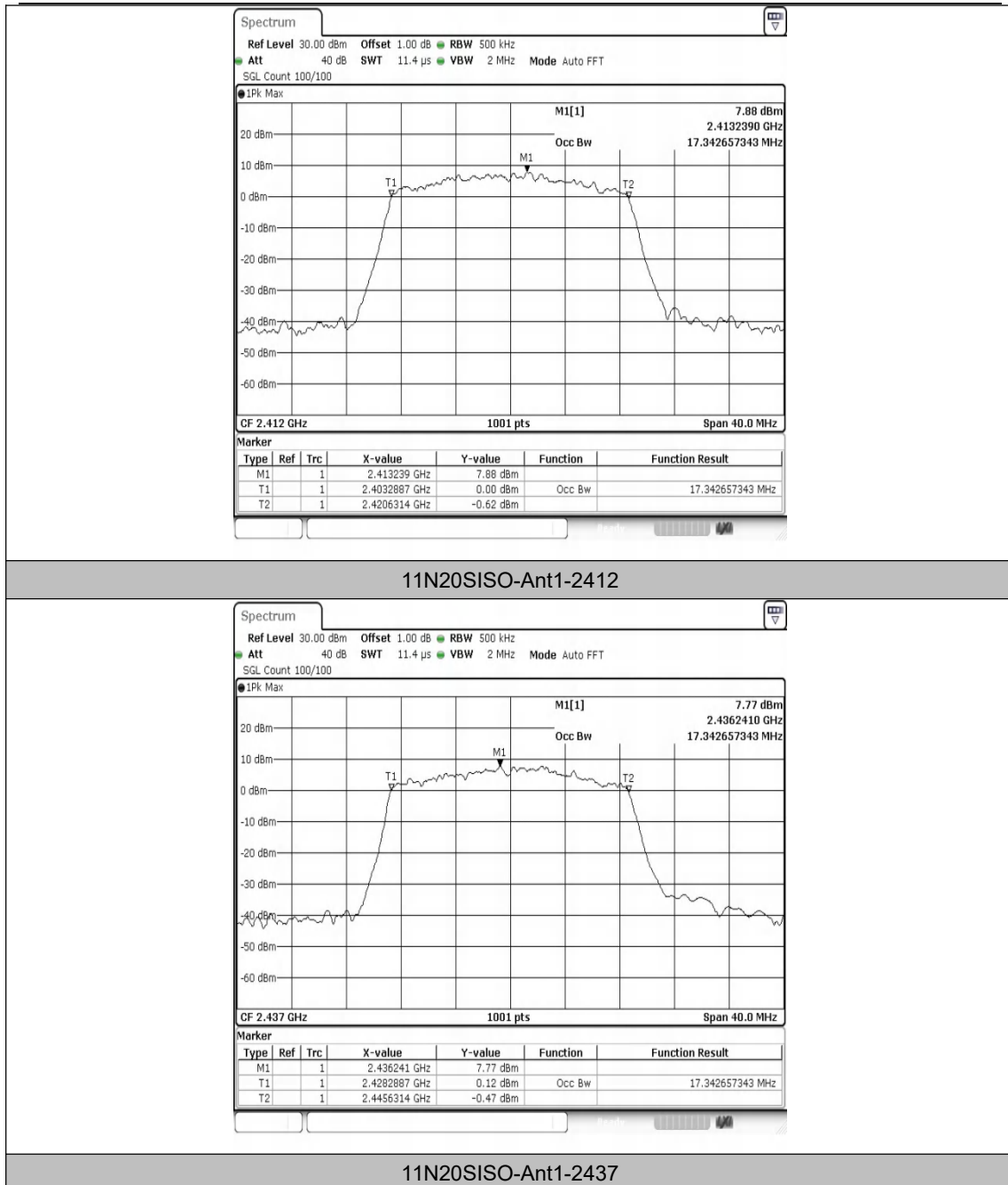
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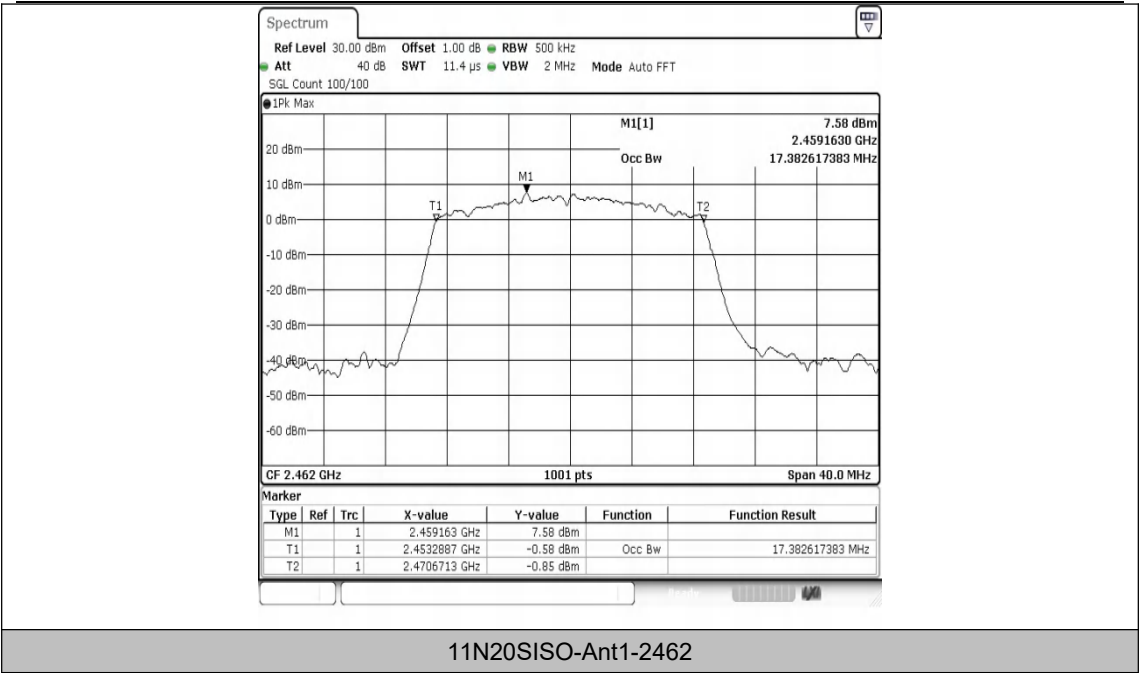
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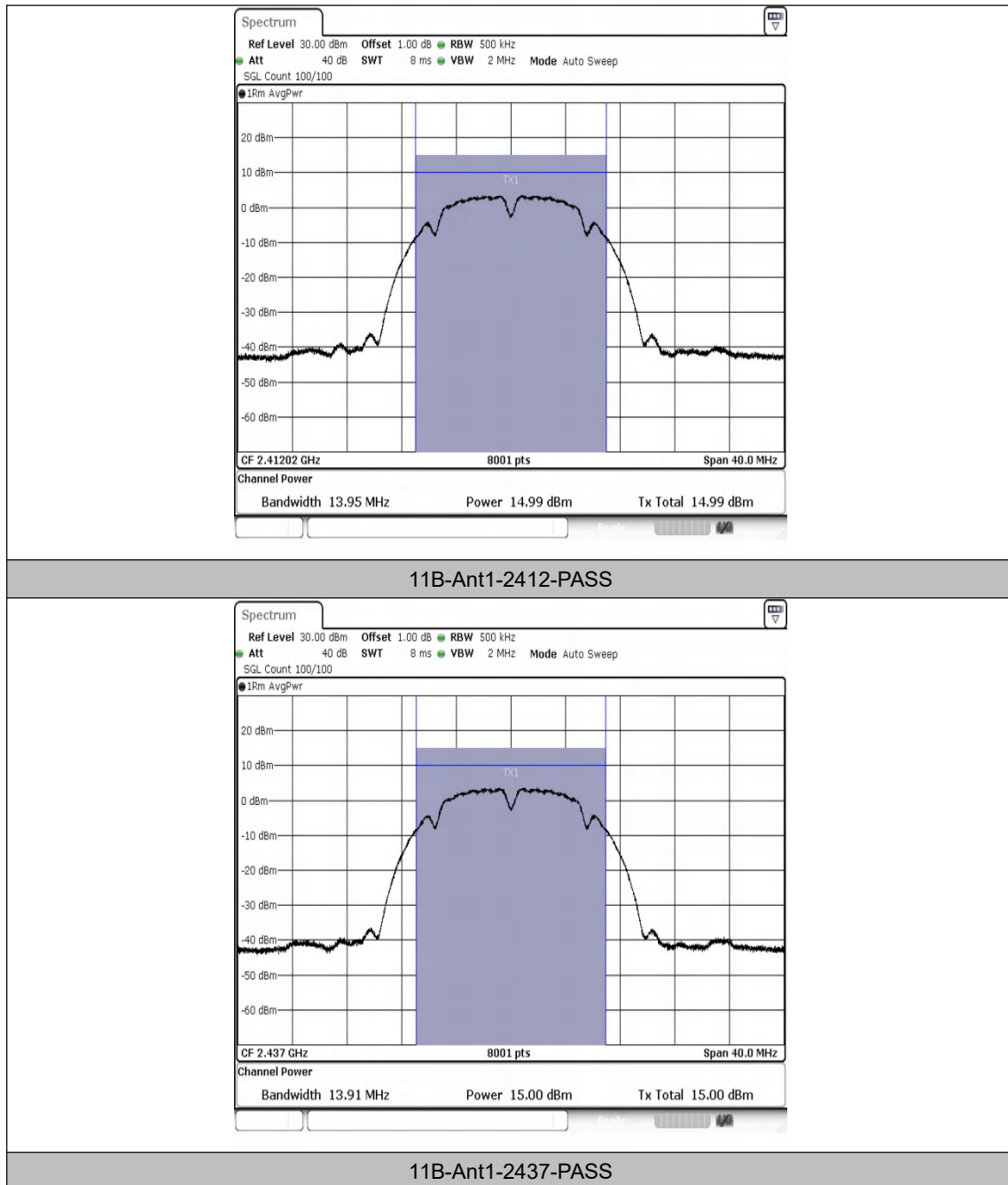
Appendix C: Maximum conducted output power

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	14.99	100.00	0.00	14.99	≤30.00	PASS
11B	Ant1	2437	NA	15.00	100.00	0.00	15.00	≤30.00	PASS
11B	Ant1	2462	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11G	Ant1	2412	NA	14.59	100.00	0.00	14.59	≤30.00	PASS
11G	Ant1	2437	NA	14.76	100.00	0.00	14.76	≤30.00	PASS
11G	Ant1	2462	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.60	100.00	0.00	14.60	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.20	100.00	0.00	14.20	≤30.00	PASS

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

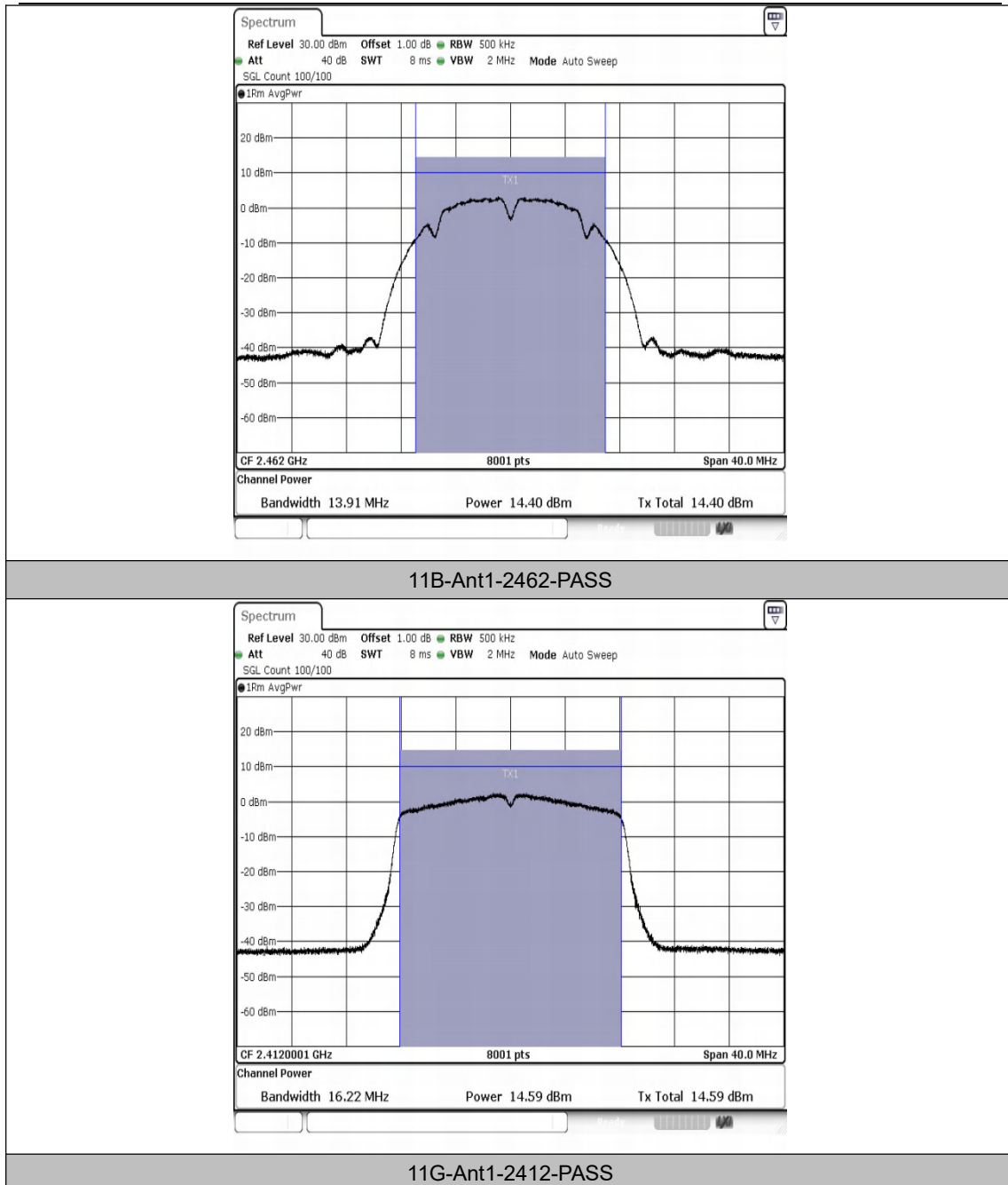
Test Graphs Average



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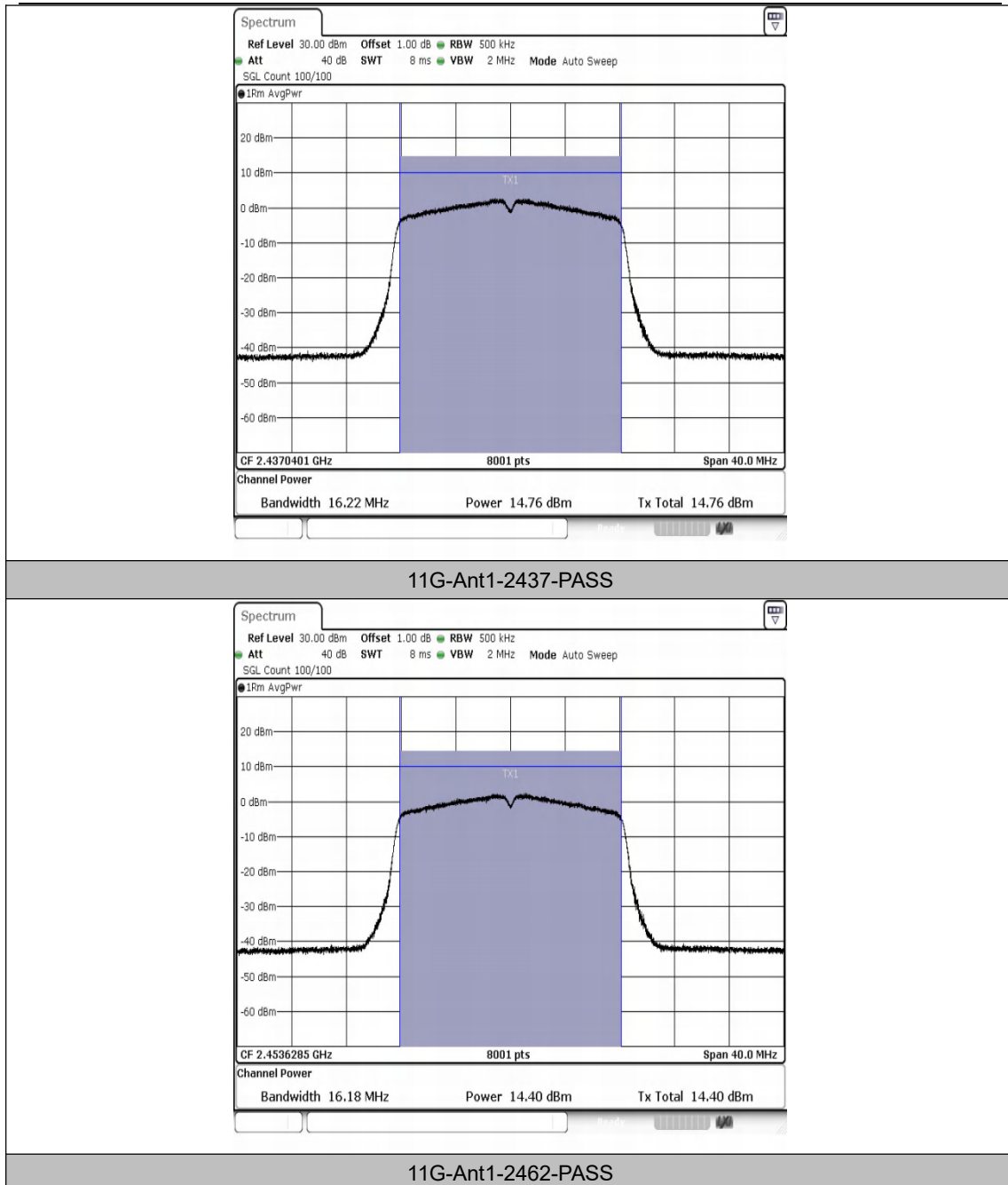
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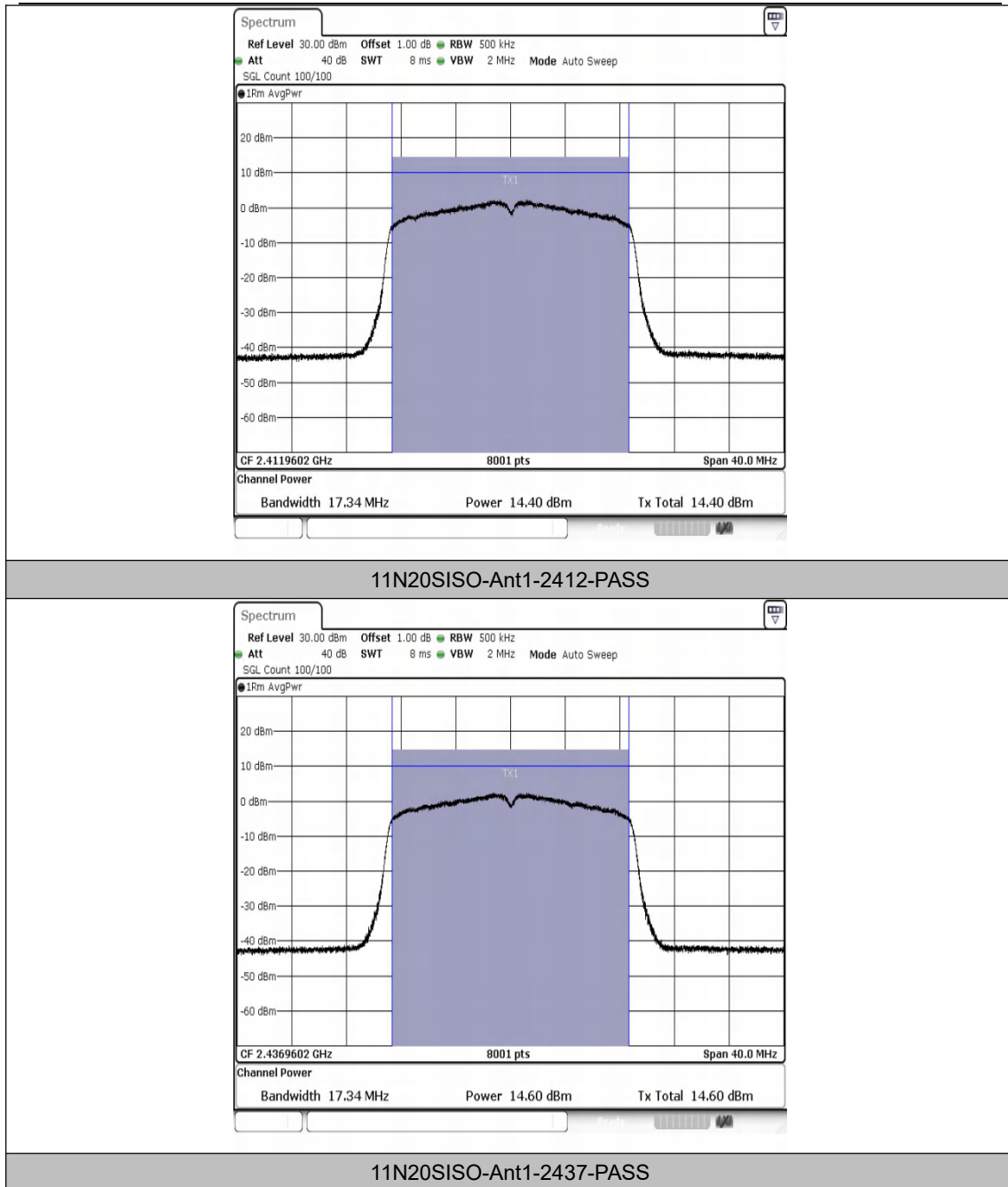


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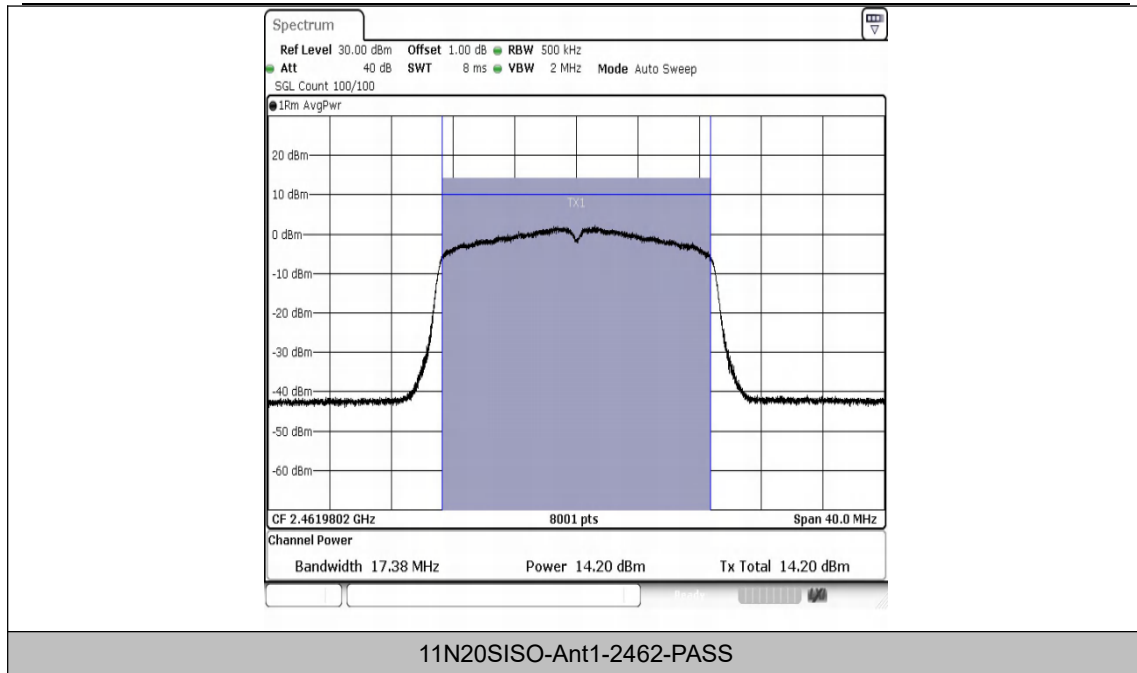




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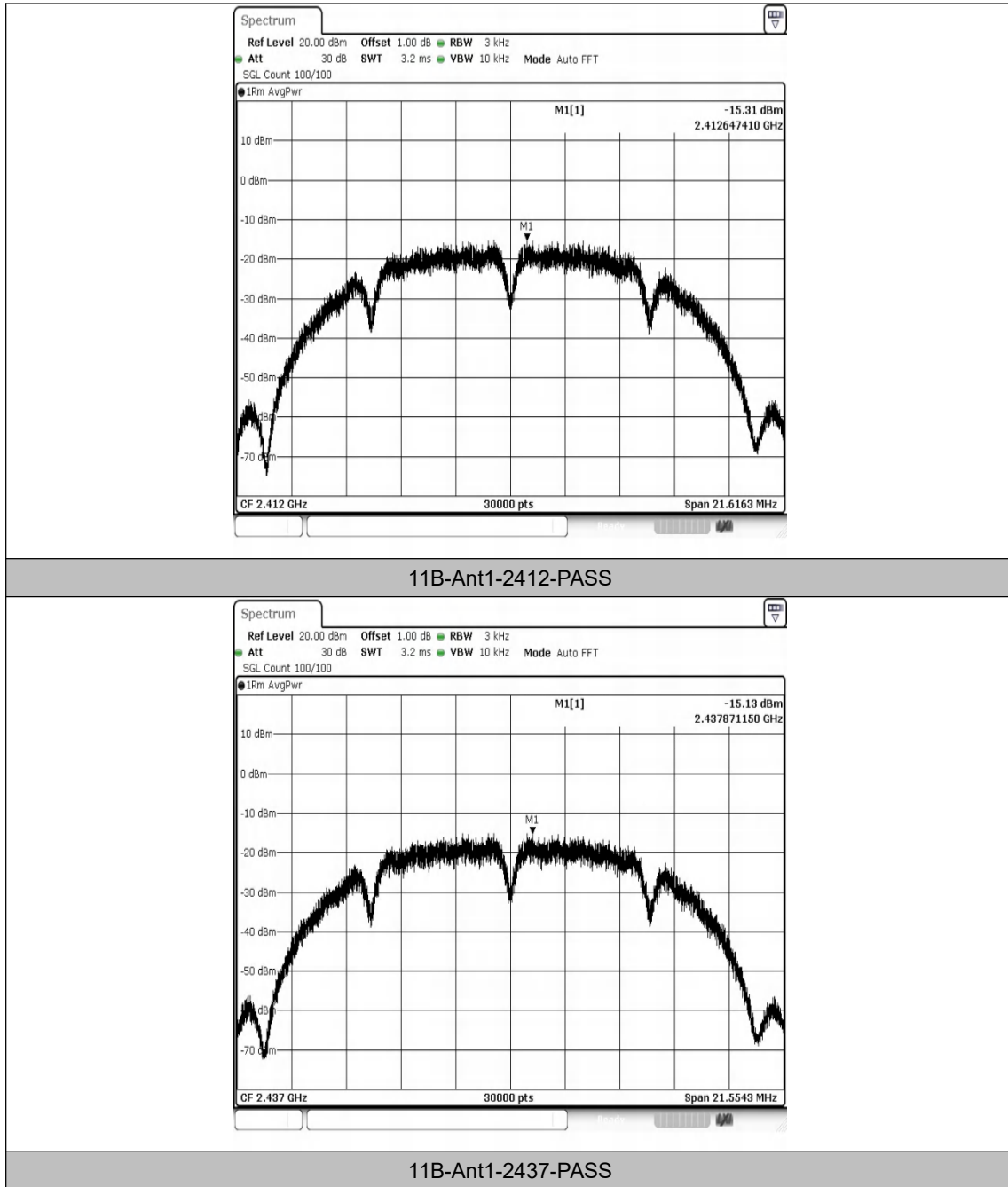
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.31	0.00	-15.31	≤8.00	PASS
11B	Ant1	2437	-15.13	0.00	-15.13	≤8.00	PASS
11B	Ant1	2462	-15.65	0.00	-15.65	≤8.00	PASS
11G	Ant1	2412	-13.56	0.00	-13.56	≤8.00	PASS
11G	Ant1	2437	-14	0.00	-14.00	≤8.00	PASS
11G	Ant1	2462	-18	0.00	-18.00	≤8.00	PASS
11N20SISO	Ant1	2412	-12.41	0.00	-12.41	≤8.00	PASS
11N20SISO	Ant1	2437	-12.36	0.00	-12.36	≤8.00	PASS
11N20SISO	Ant1	2462	-12.59	0.00	-12.59	≤8.00	PASS

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

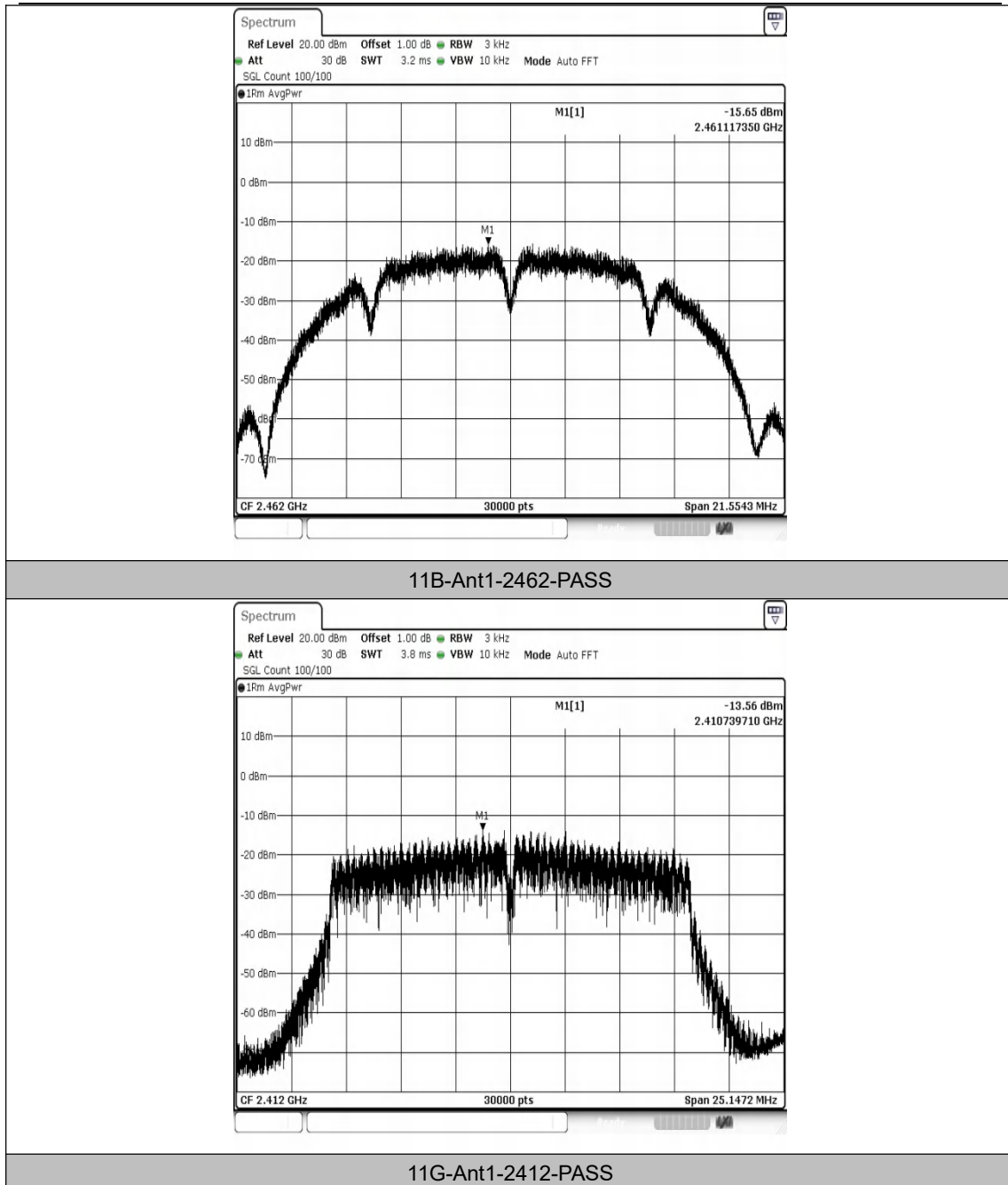
Test Graphs



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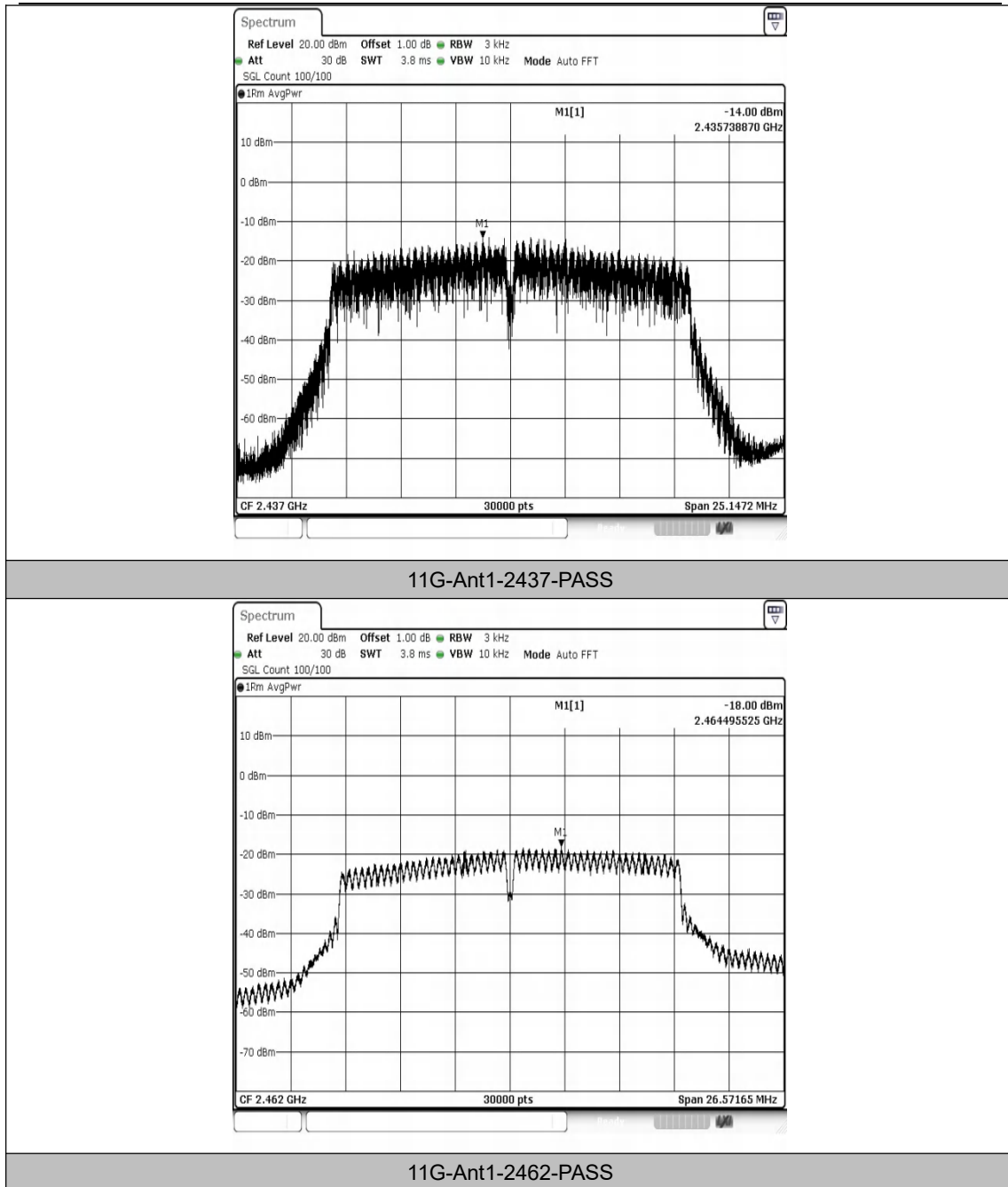
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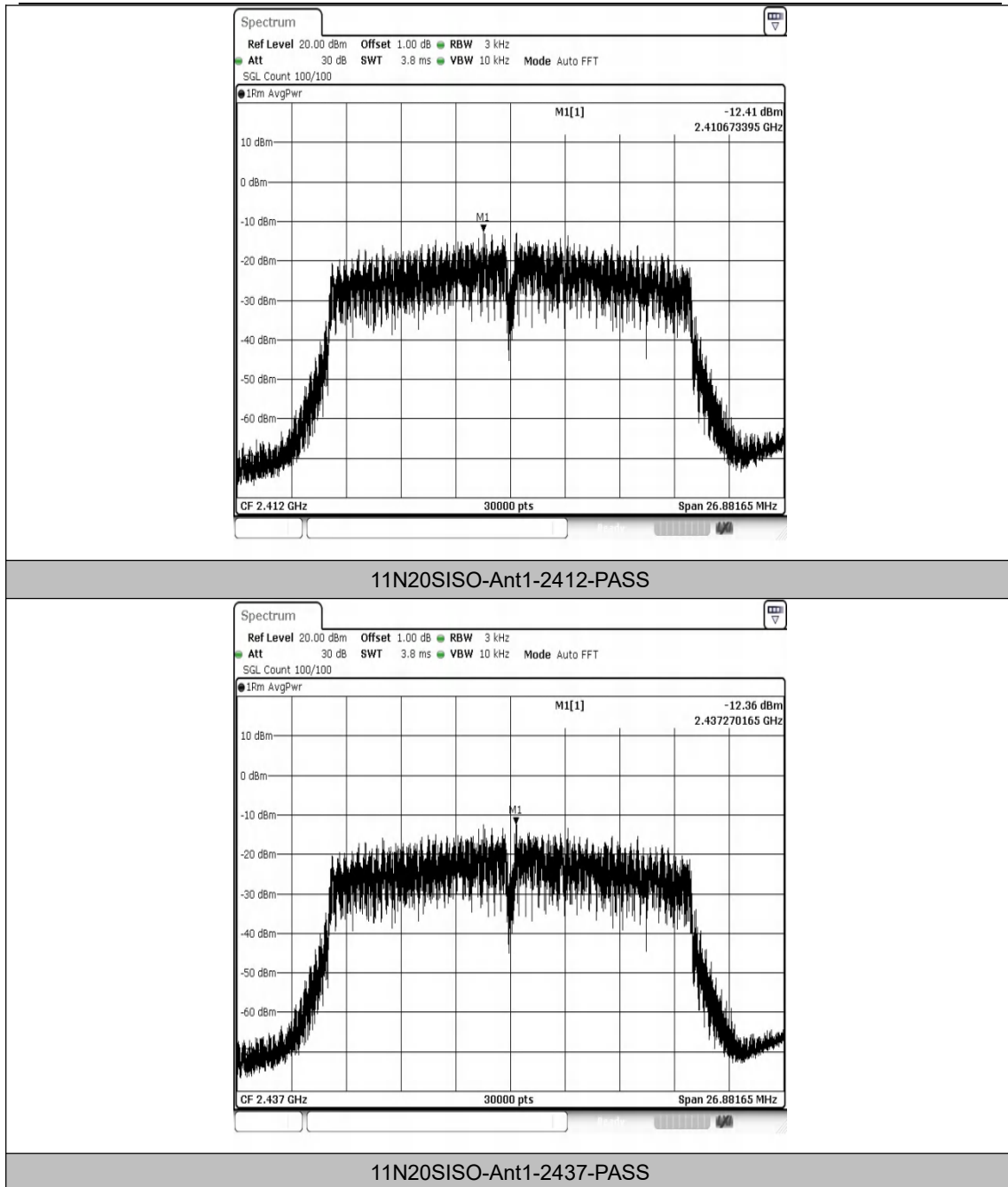


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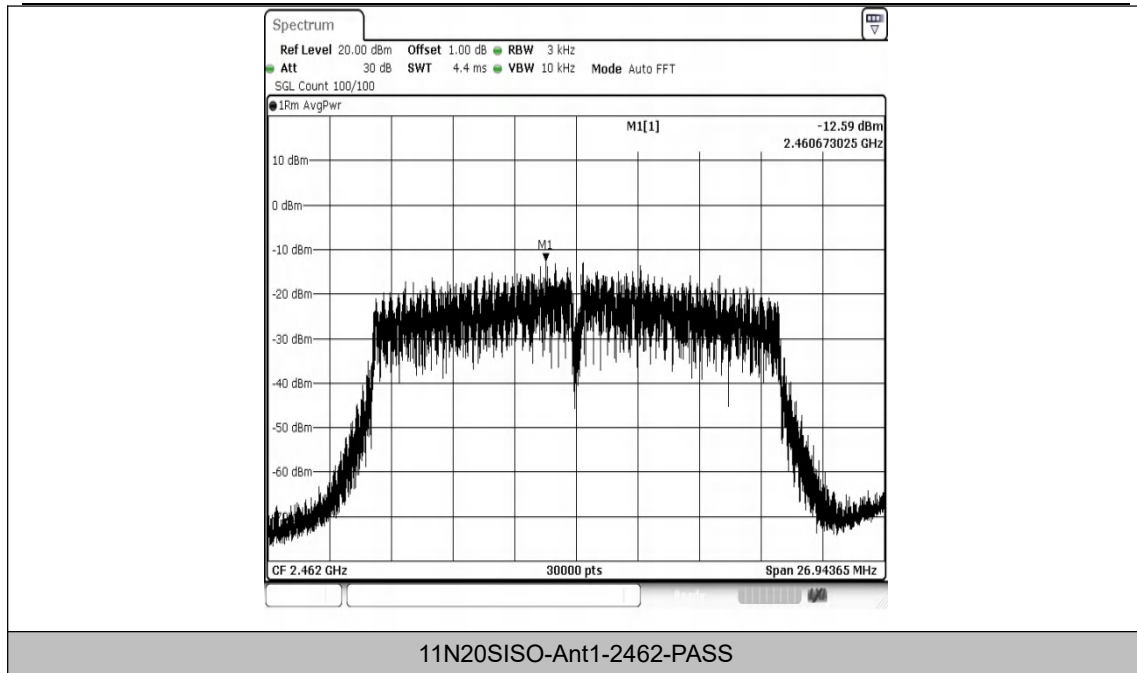




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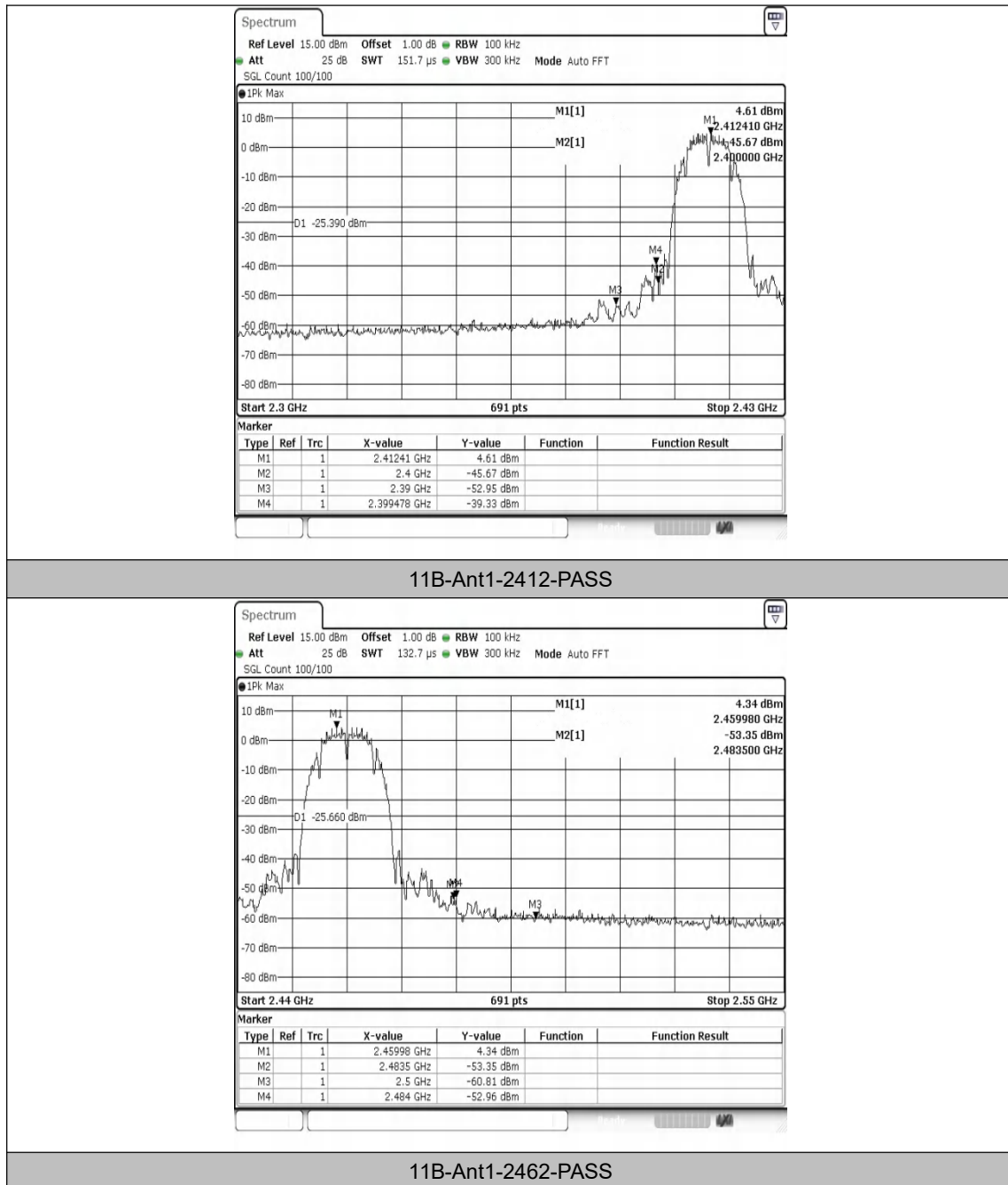
Appendix E: Conducted Band edge

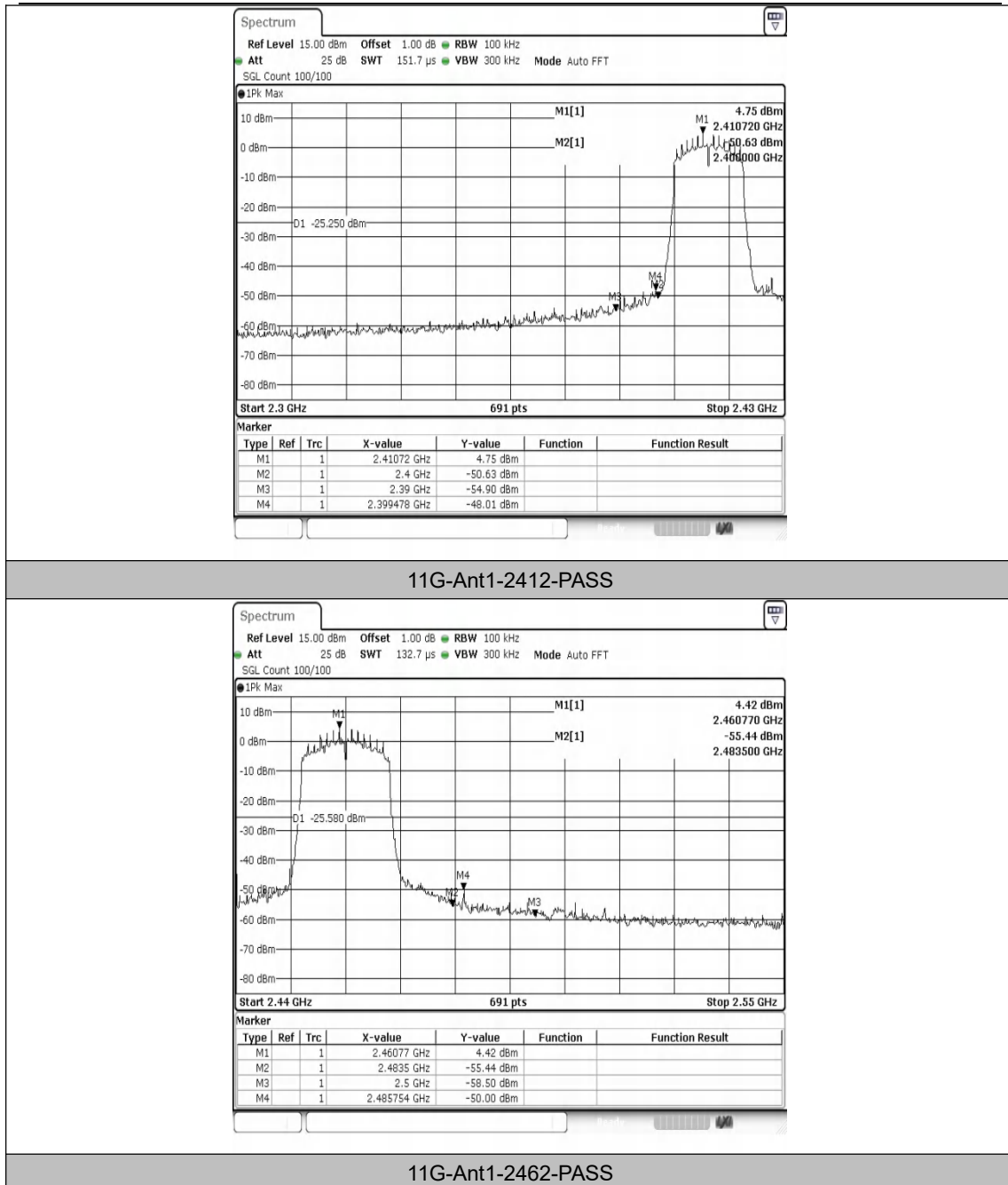
Test Result

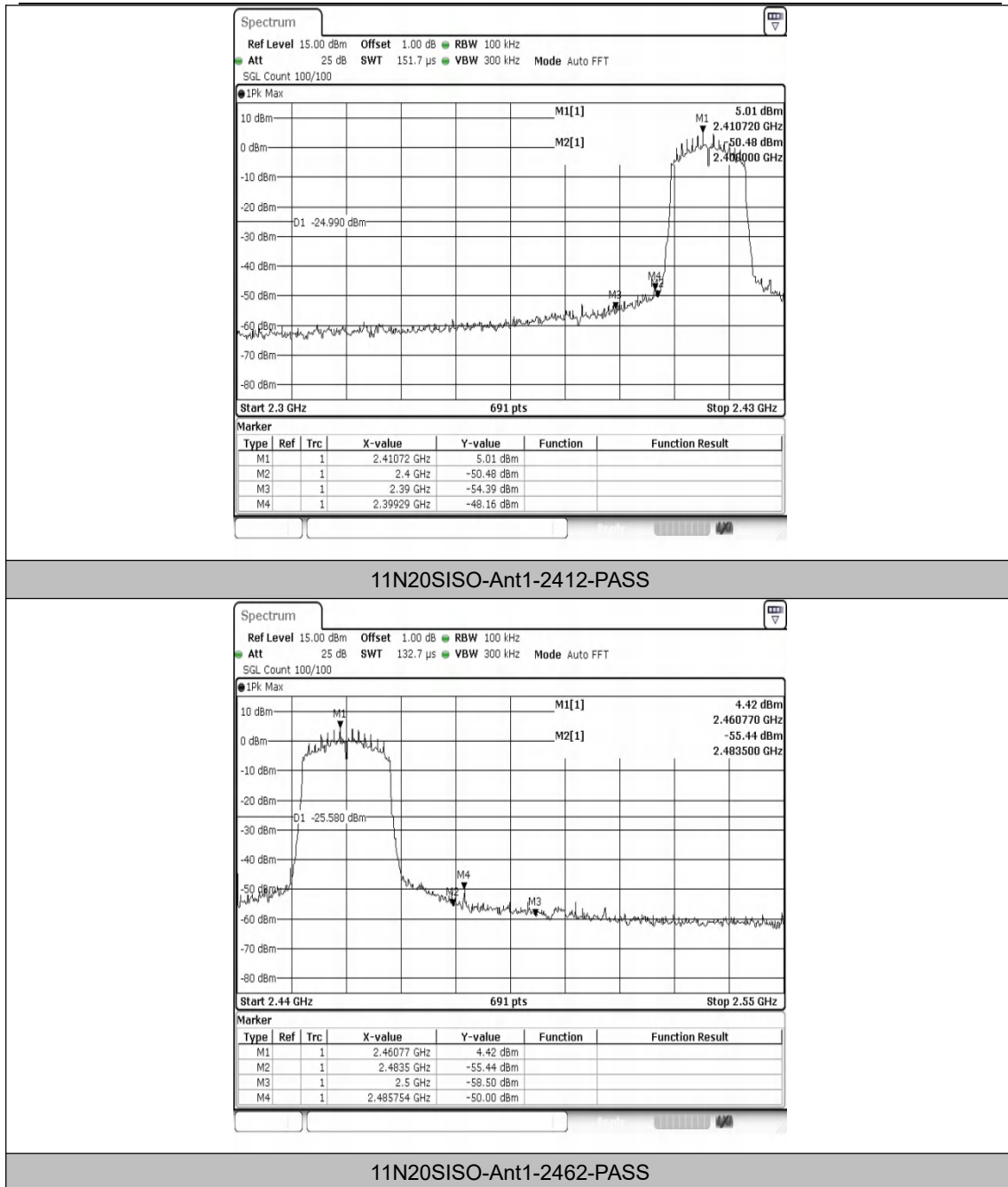
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.61	-39.33	≤-25.39	PASS
11B	Ant1	High	2462	4.34	-52.96	≤-25.66	PASS
11G	Ant1	Low	2412	4.75	-48.01	≤-25.25	PASS
11G	Ant1	High	2462	1.42	-34.87	≤-25.09	PASS
11N20SISO	Ant1	Low	2412	5.01	-48.16	≤-24.99	PASS
11N20SISO	Ant1	High	2462	4.42	-50	≤-25.58	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







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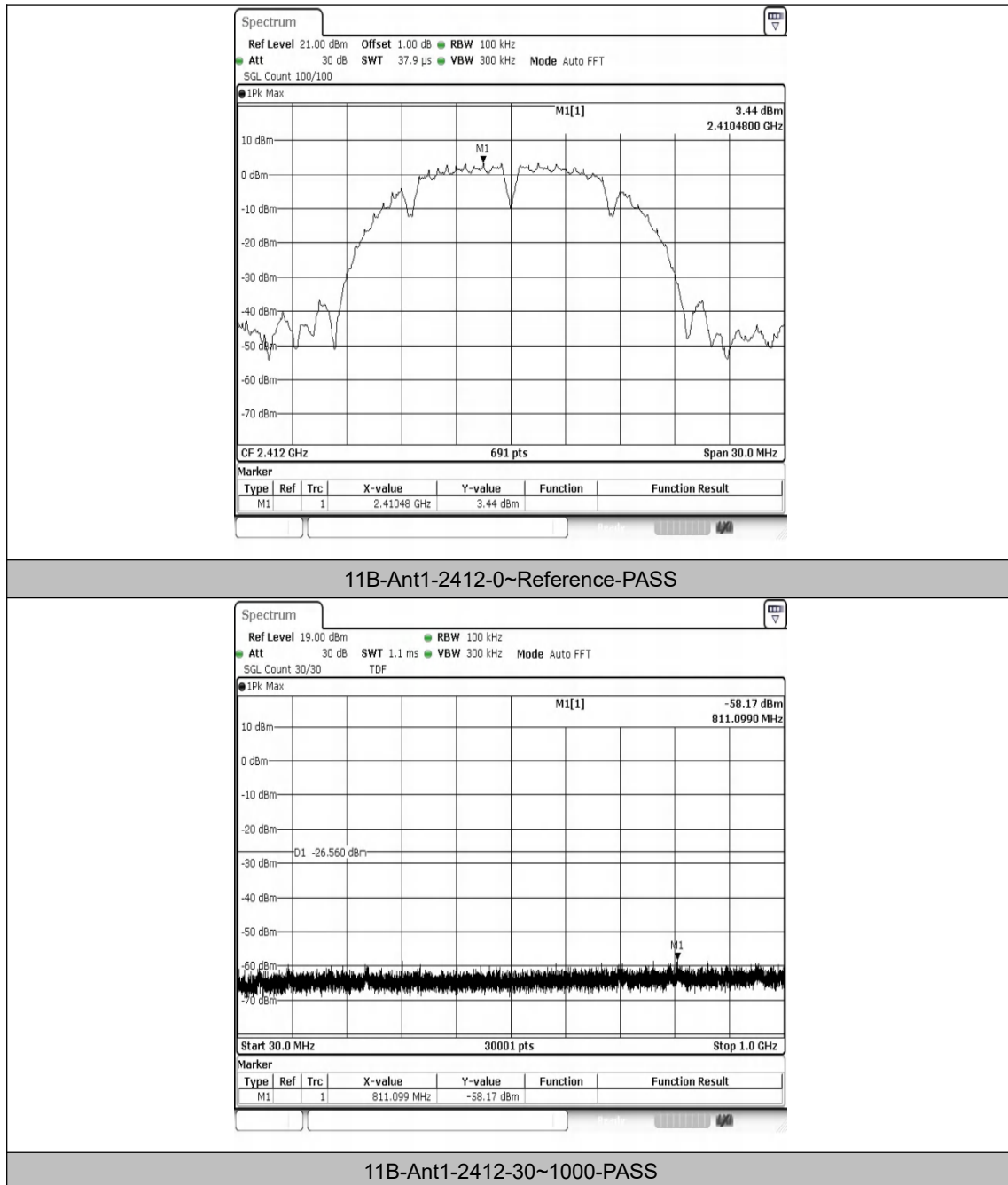
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.44	3.44	---	PASS
11B	Ant1	2412	30~1000	3.44	-58.17	≤-26.56	PASS
11B	Ant1	2412	1000~26500	3.44	-44.04	≤-26.56	PASS
11B	Ant1	2437	0~Reference	4.92	4.92	---	PASS
11B	Ant1	2437	30~1000	4.92	-53.43	≤-25.08	PASS
11B	Ant1	2437	1000~26500	4.92	-43.46	≤-25.08	PASS
11B	Ant1	2462	0~Reference	4.25	4.25	---	PASS
11B	Ant1	2462	30~1000	4.25	-57.6	≤-25.75	PASS
11B	Ant1	2462	1000~26500	4.25	-44.49	≤-25.75	PASS
11G	Ant1	2412	0~Reference	4.88	4.88	---	PASS
11G	Ant1	2412	30~1000	4.88	-57.94	≤-25.12	PASS
11G	Ant1	2412	1000~26500	4.88	-43.75	≤-25.12	PASS
11G	Ant1	2437	0~Reference	4.77	4.77	---	PASS
11G	Ant1	2437	30~1000	4.77	-53.93	≤-25.23	PASS
11G	Ant1	2437	1000~26500	4.77	-43.85	≤-25.23	PASS
11G	Ant1	2462	0~Reference	1.17	1.17	---	PASS
11G	Ant1	2462	30~1000	1.17	-57.6	≤-25.15	PASS
11G	Ant1	2462	1000~26500	1.17	-44.24	≤-25.15	PASS
11N20SISO	Ant1	2412	0~Reference	4.68	4.68	---	PASS
11N20SISO	Ant1	2412	30~1000	4.68	-58.54	≤-25.32	PASS
11N20SISO	Ant1	2412	1000~26500	4.68	-43.02	≤-25.32	PASS
11N20SISO	Ant1	2437	0~Reference	5.18	5.18	---	PASS
11N20SISO	Ant1	2437	30~1000	5.18	-57.4	≤-24.82	PASS
11N20SISO	Ant1	2437	1000~26500	5.18	-43.56	≤-24.82	PASS
11N20SISO	Ant1	2462	0~Reference	4.23	4.23	---	PASS
11N20SISO	Ant1	2462	30~1000	4.23	-57.84	≤-25.77	PASS
11N20SISO	Ant1	2462	1000~26500	4.23	-43.66	≤-25.77	PASS

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

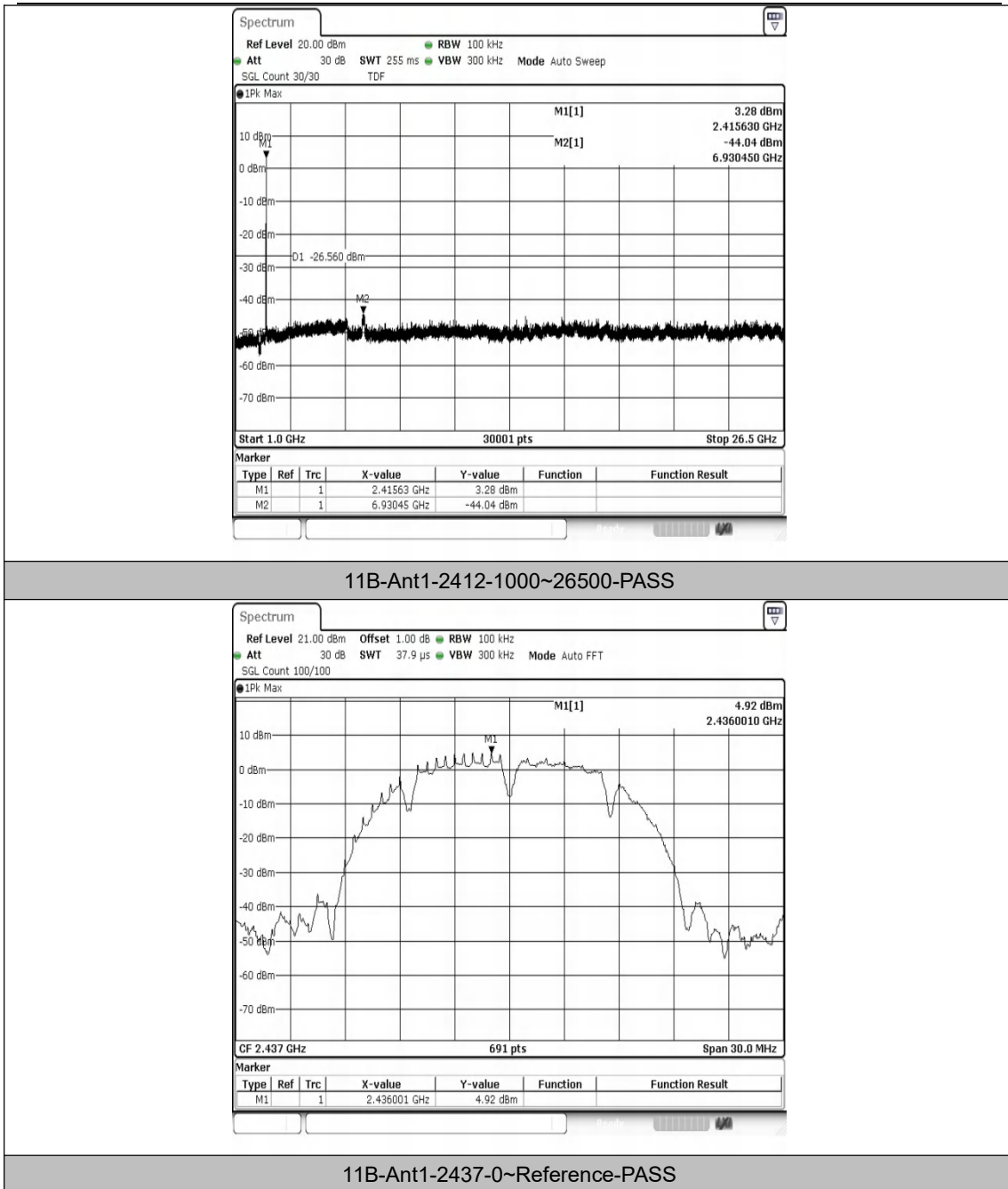
Test Graphs



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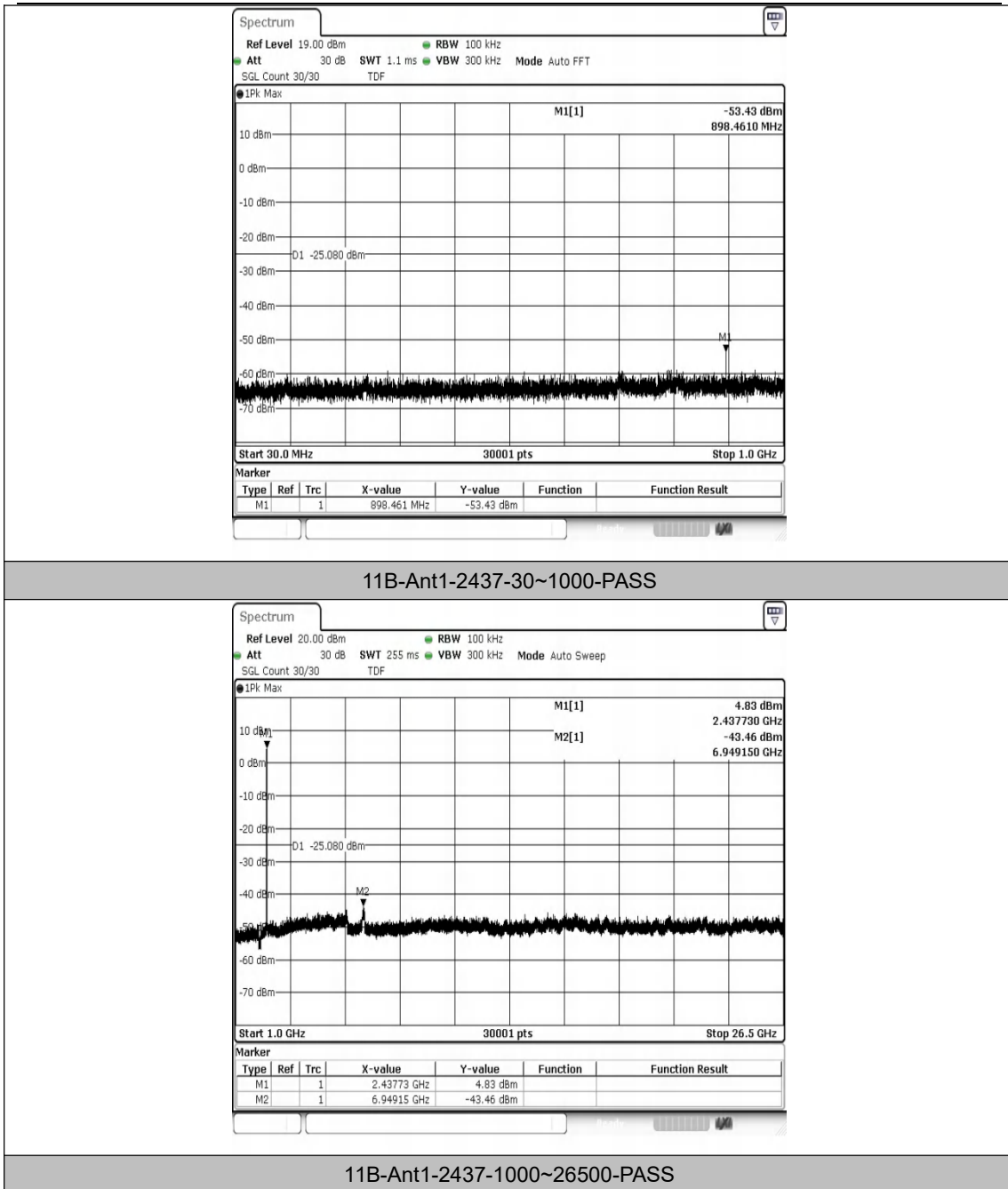
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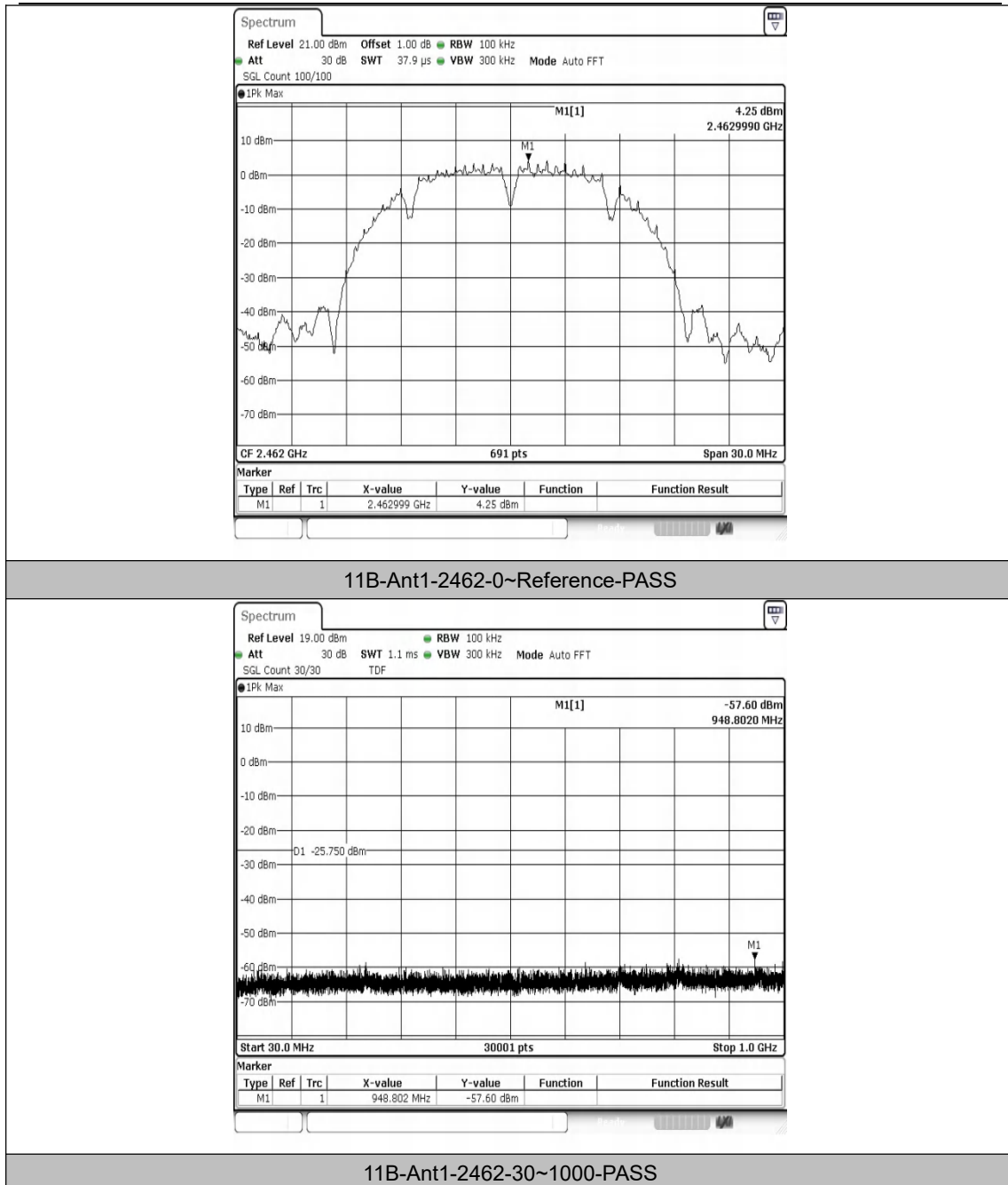
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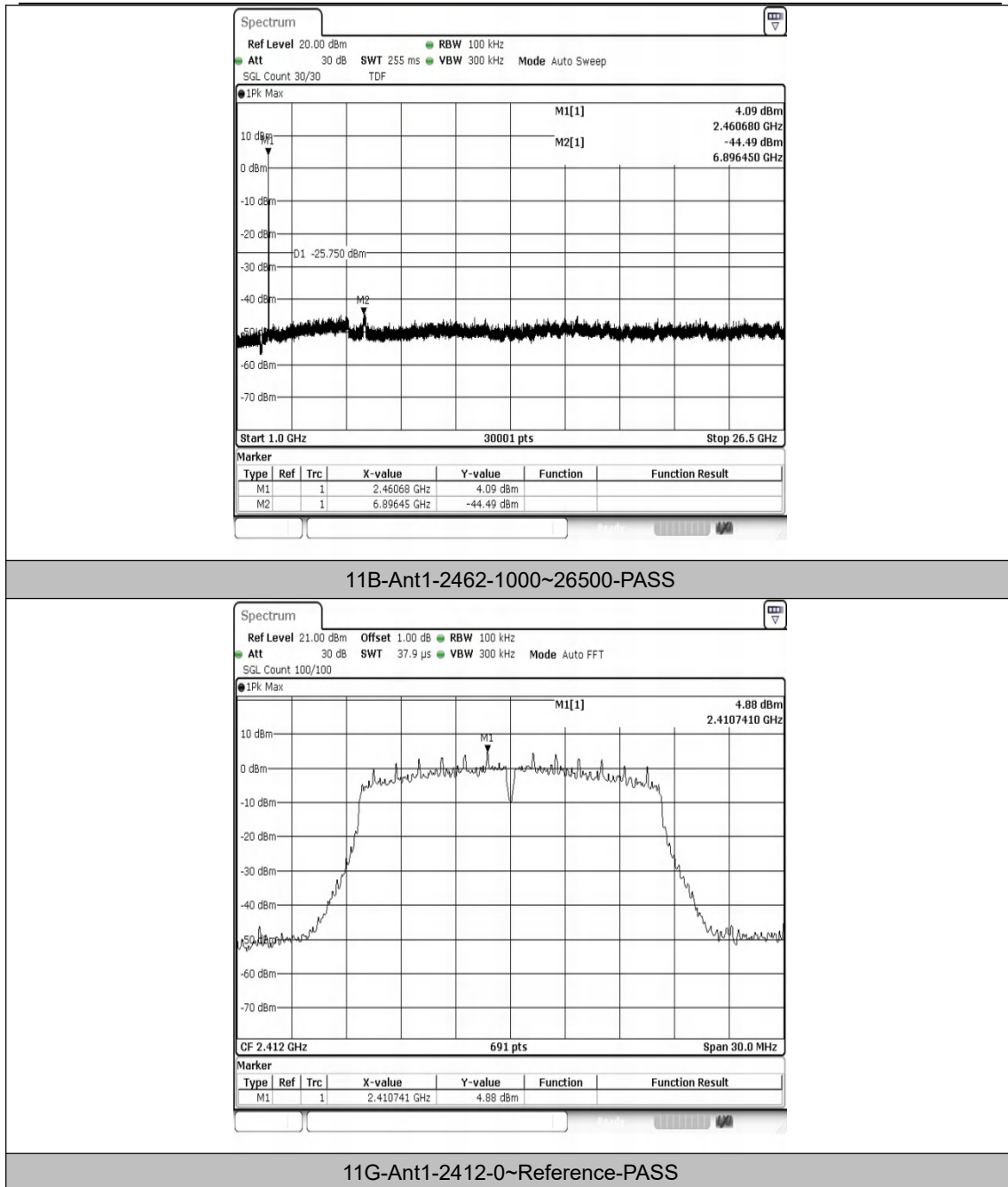
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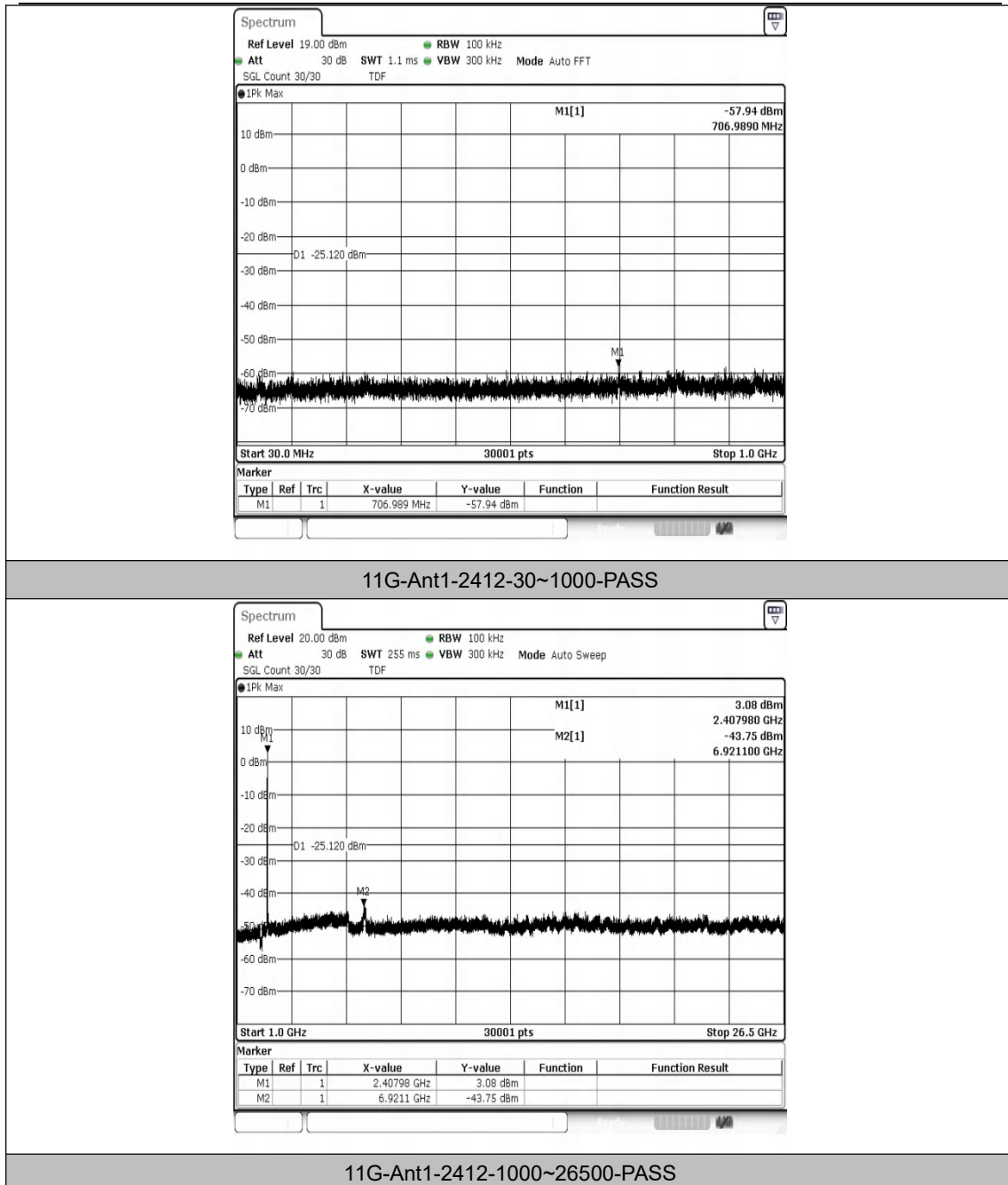
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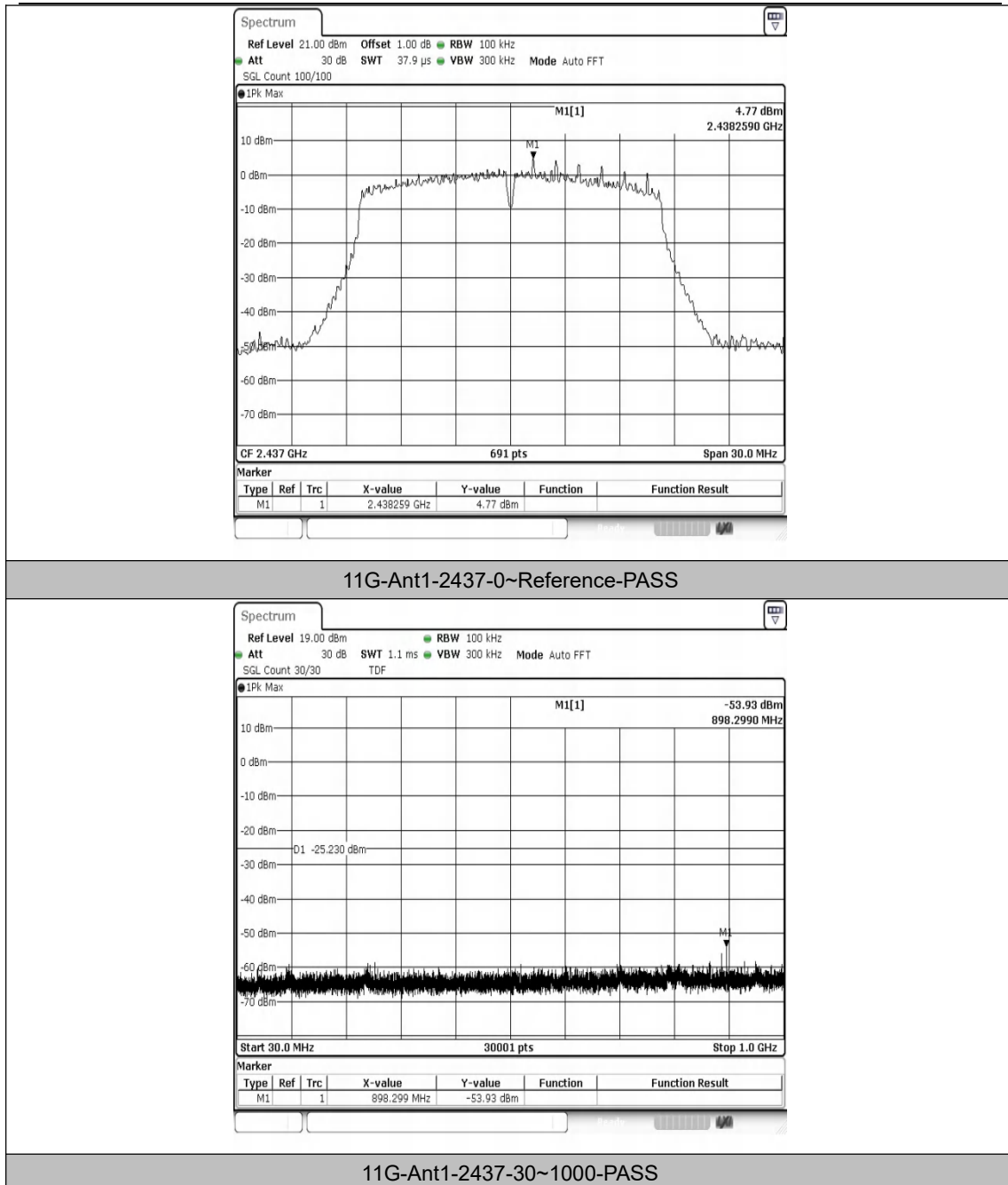
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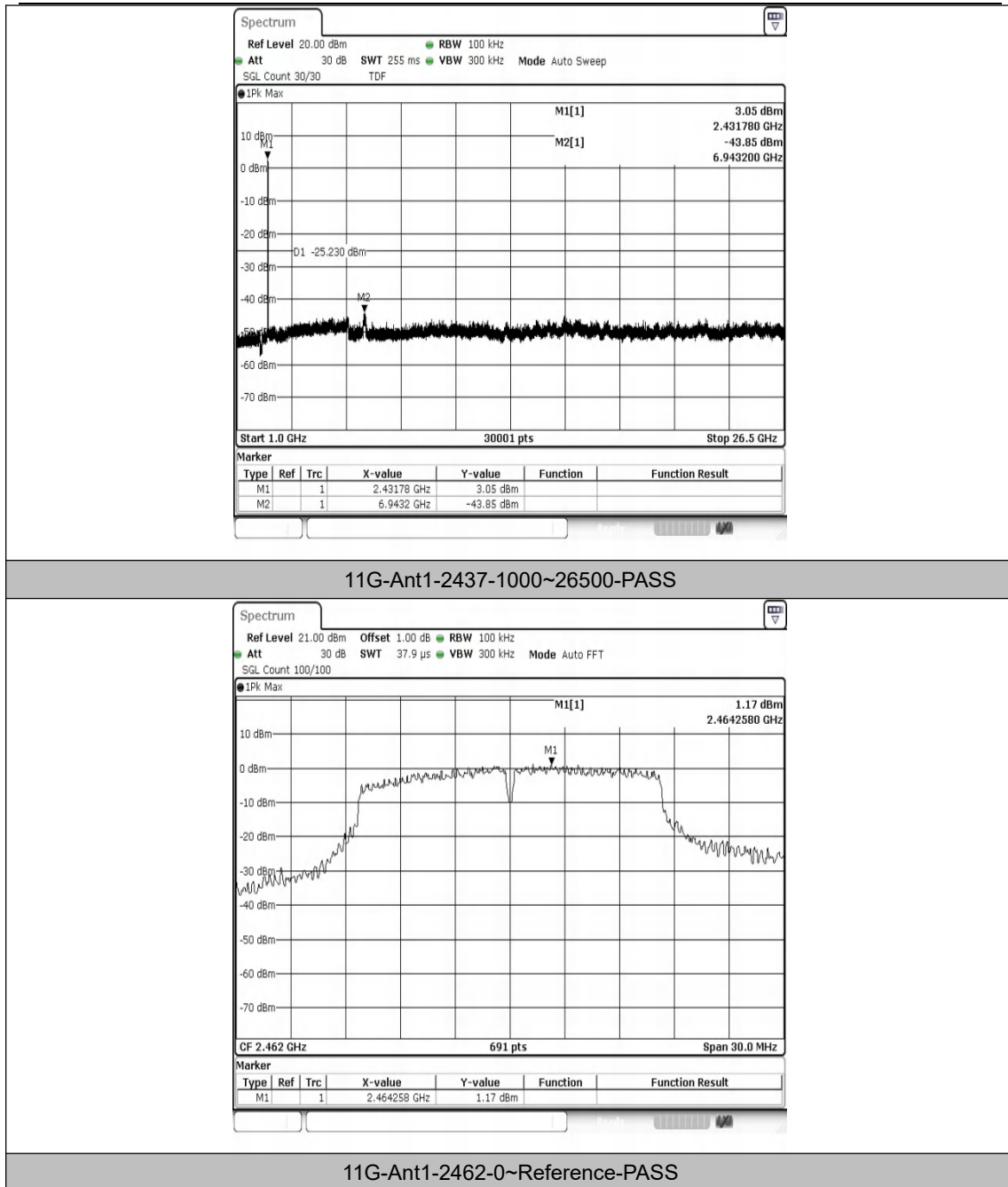
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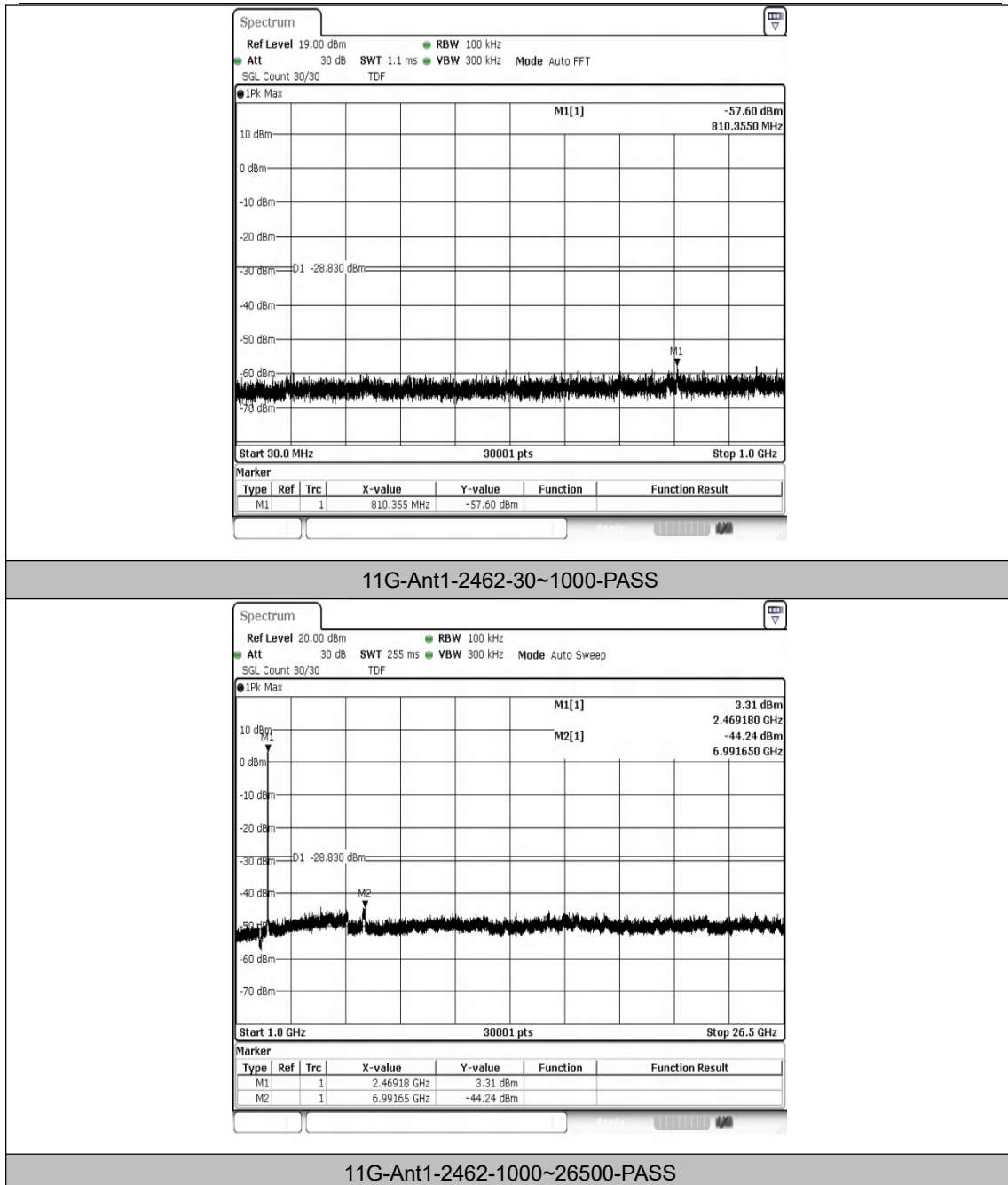
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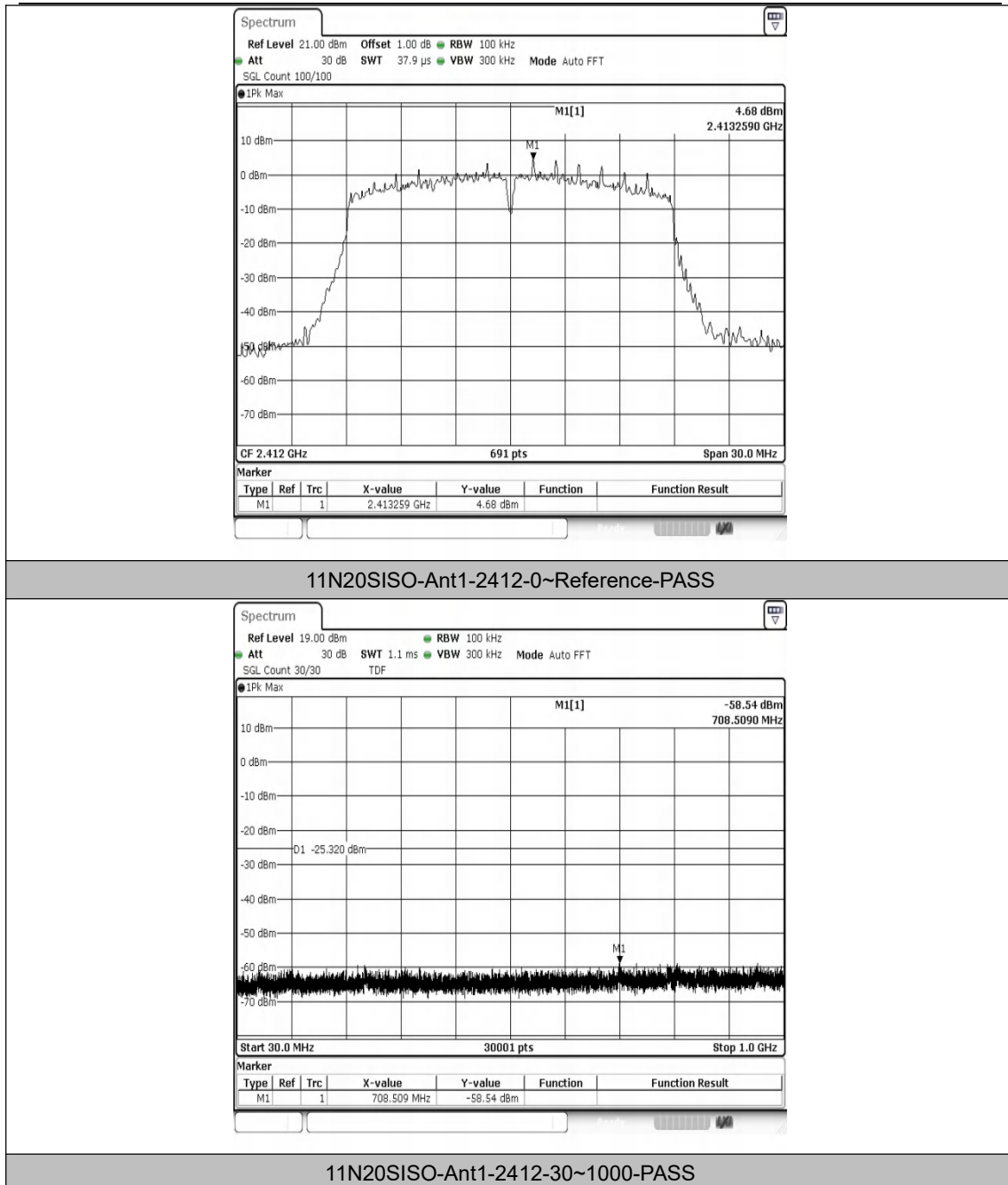
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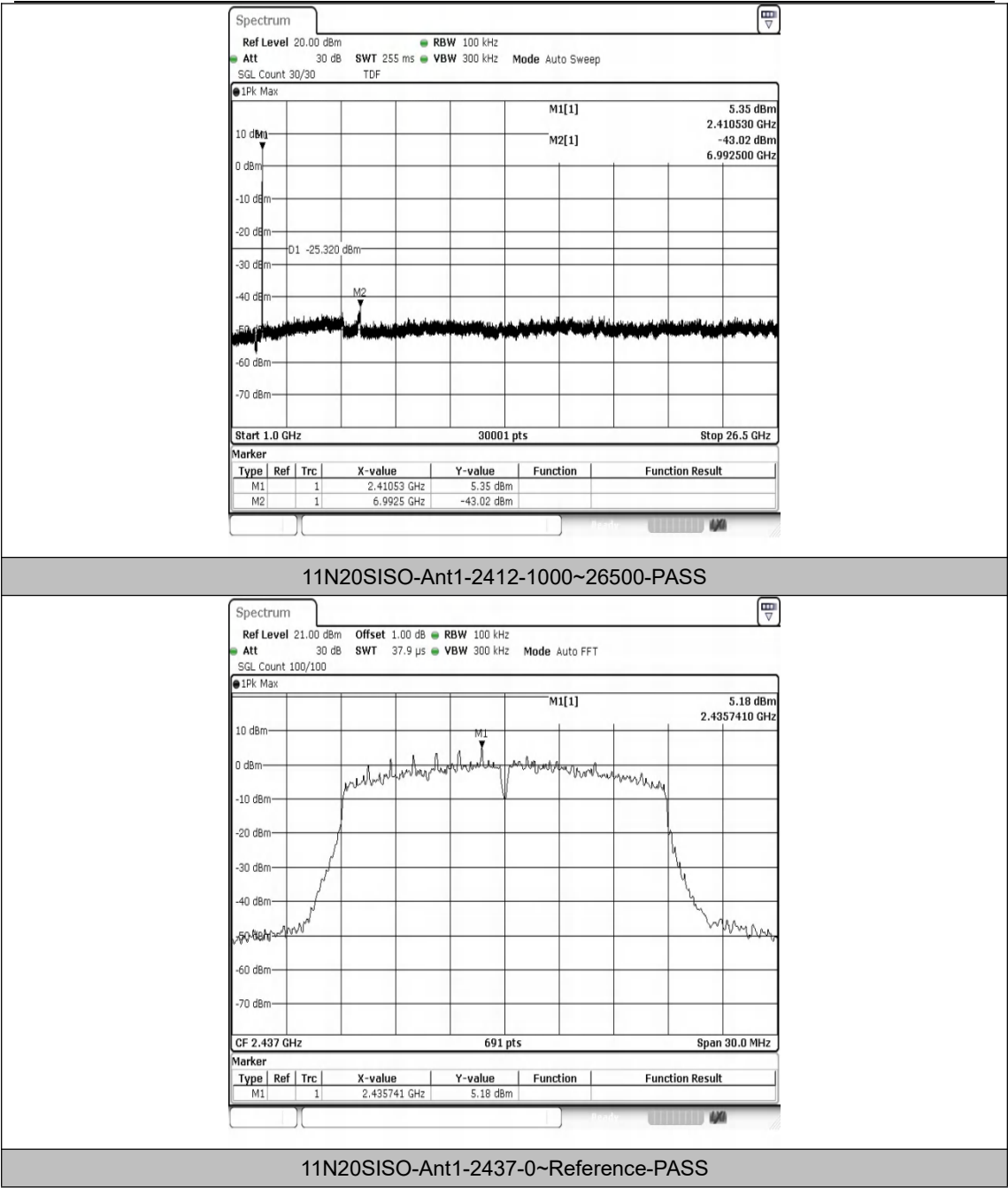
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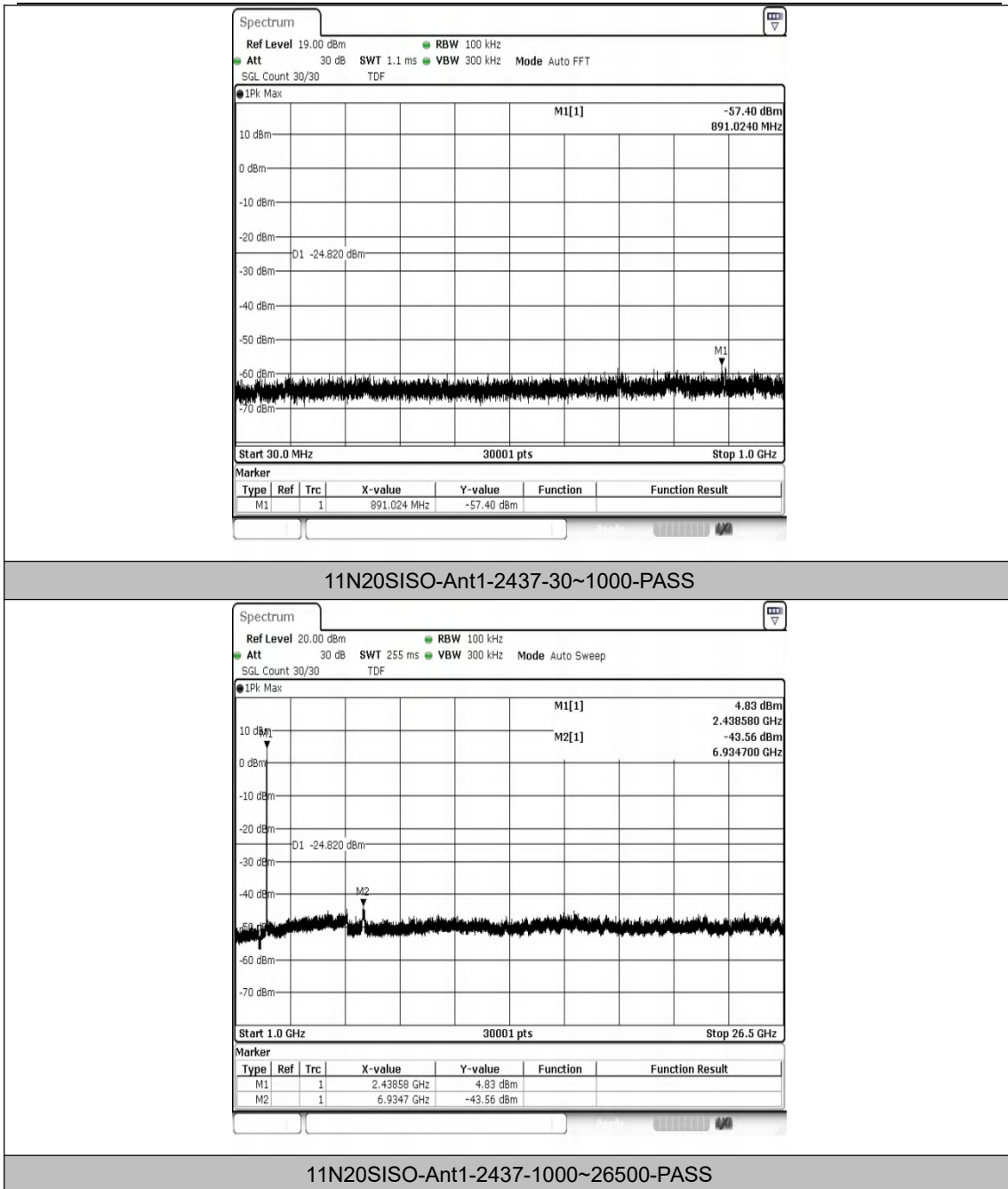


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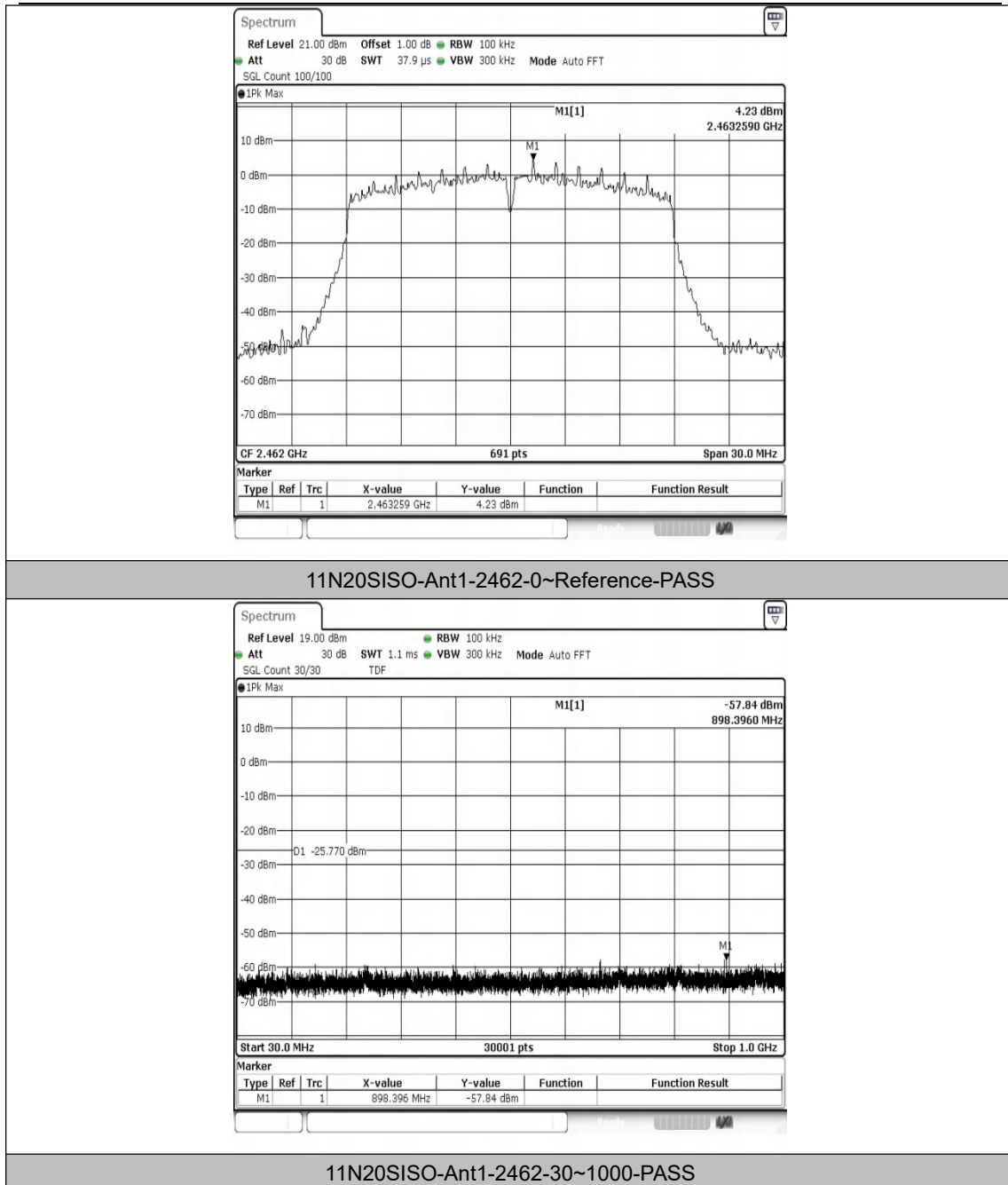




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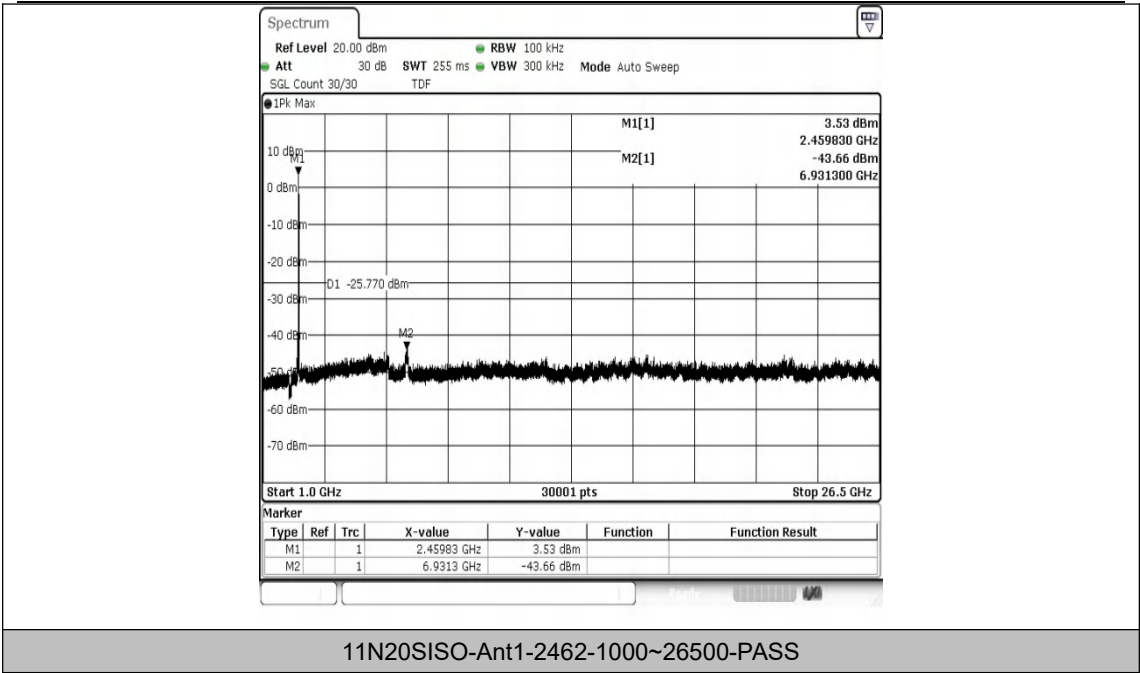
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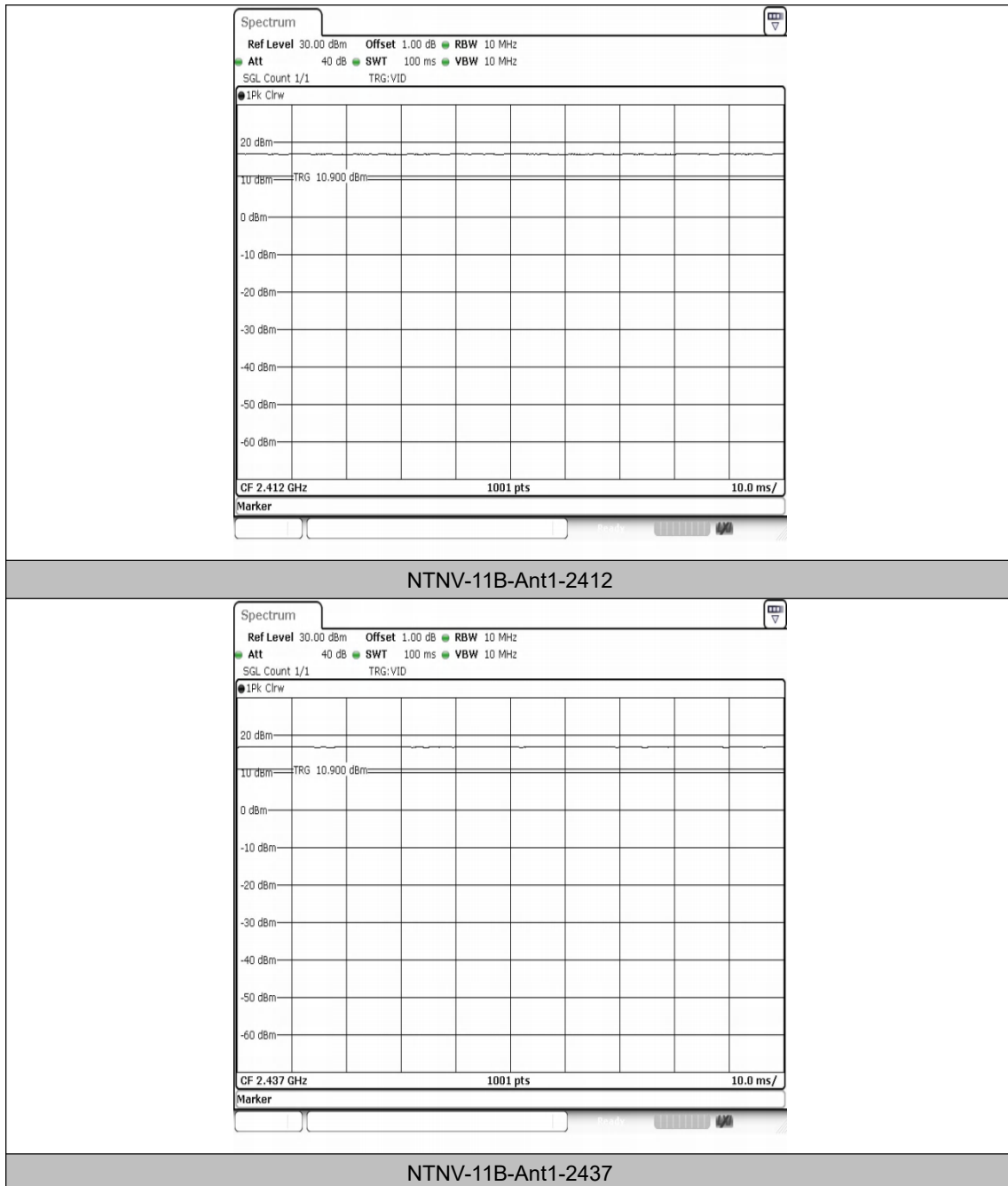
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2462	100.00	100.00	100.00	0.00

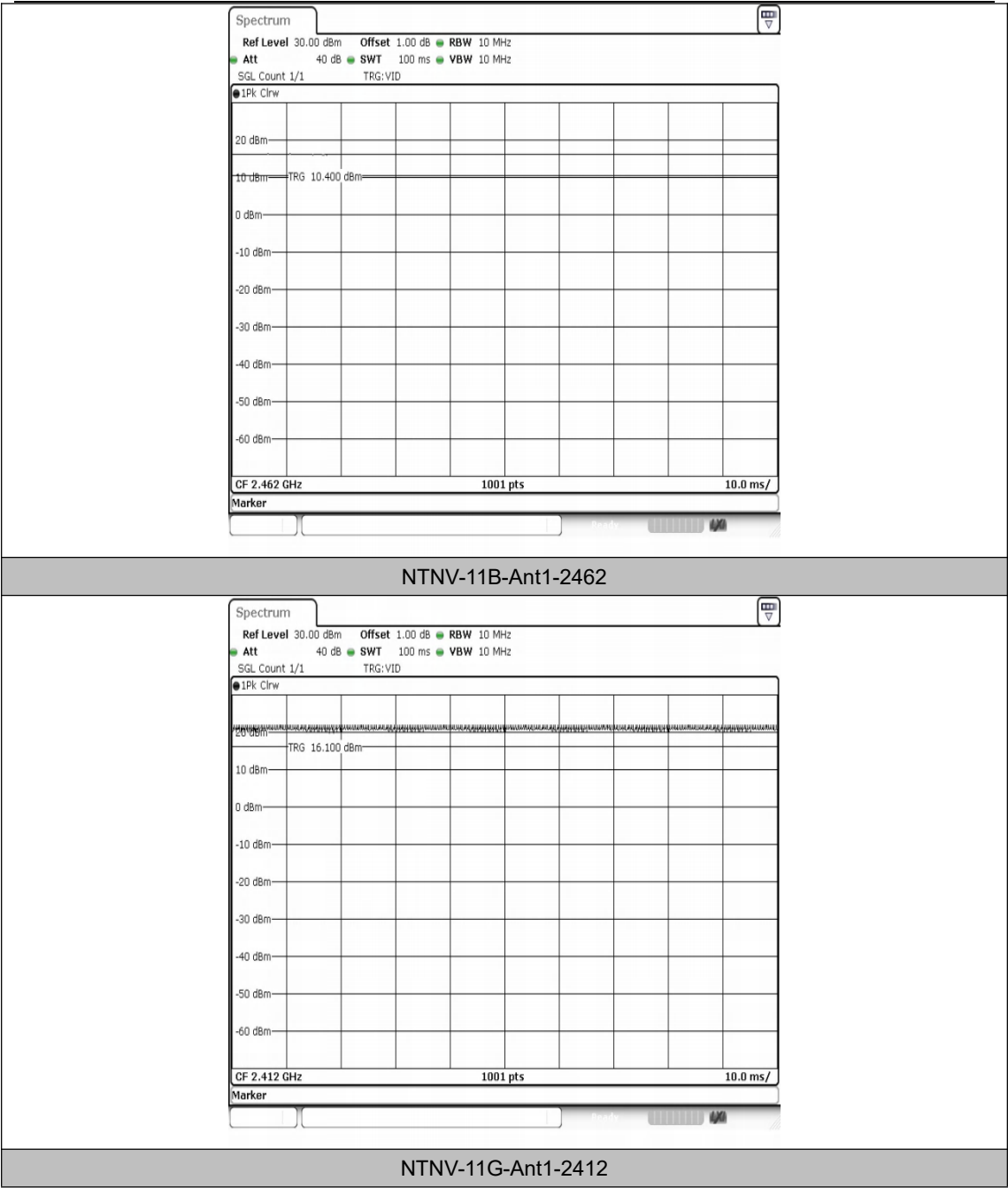
Test Graphs

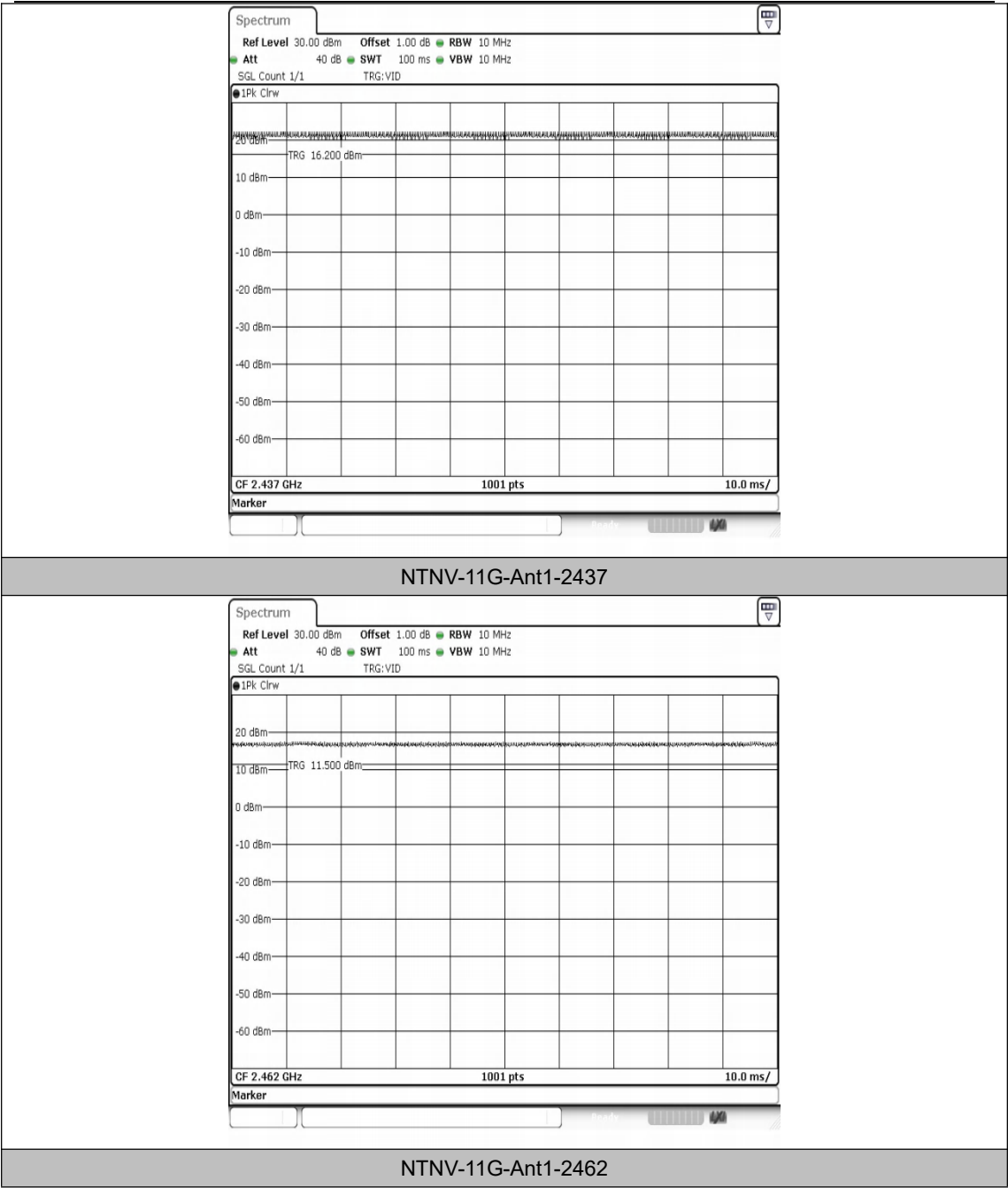


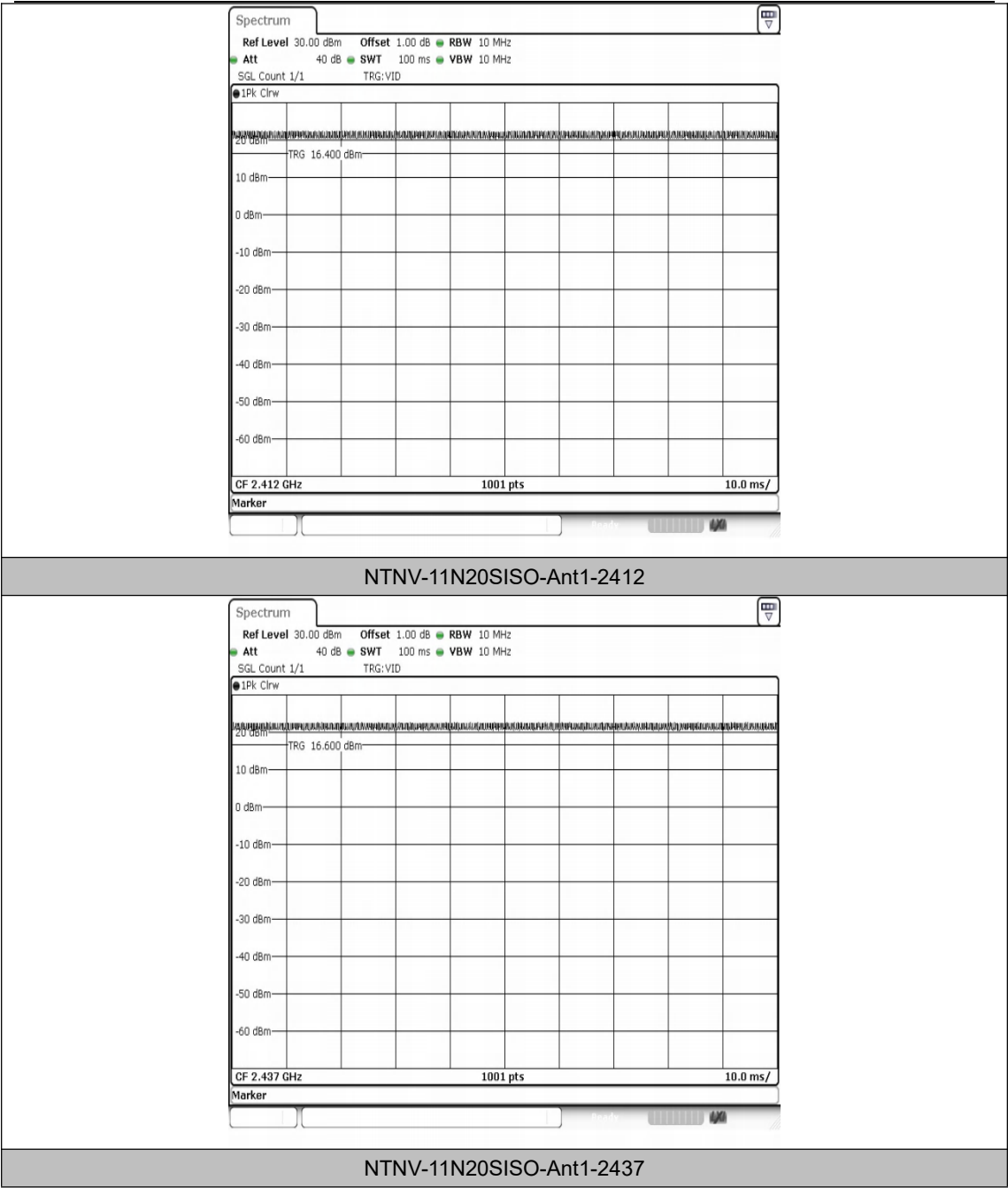
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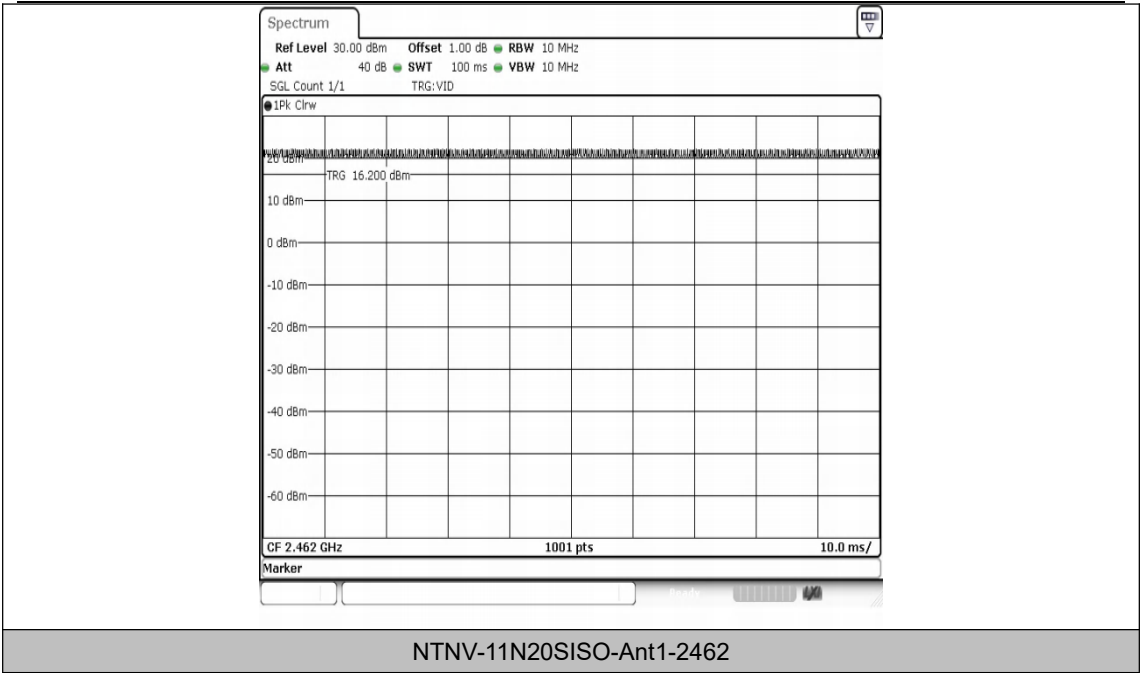
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