

Appendix Test Data

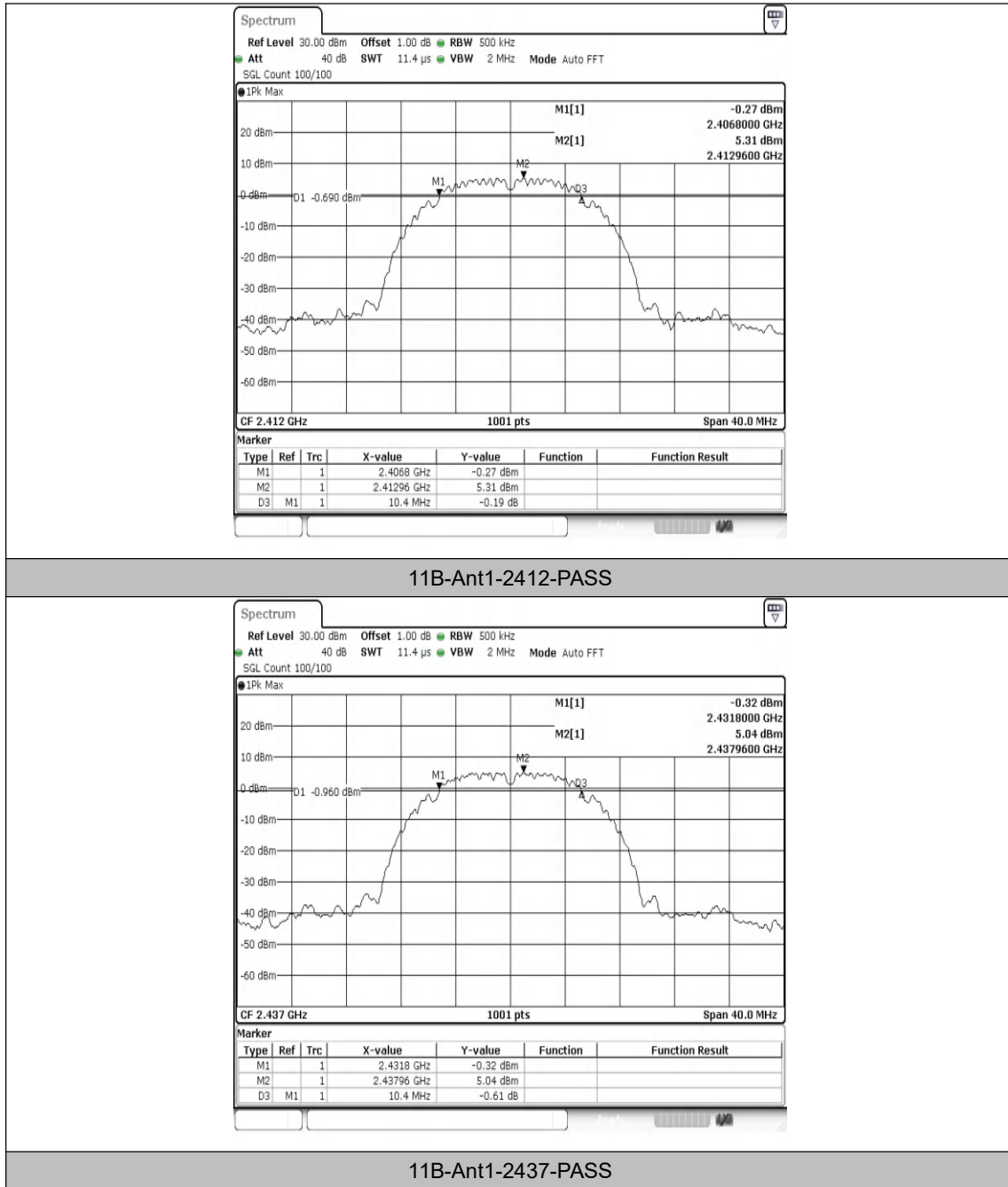
Report No.:	1812C50320412503	Test Sample No.:	1-2-2
Start Test Date:	2025-6-27	Finish Test Date:	2025-9-11
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.0°C	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.40	2406.80	2417.20	0.5	PASS
11B	Ant1	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant1	2462	10.44	2456.76	2467.20	0.5	PASS
11G	Ant1	2412	14.92	2404.84	2419.76	0.5	PASS
11G	Ant1	2437	14.72	2429.40	2444.12	0.5	PASS
11G	Ant1	2462	13.84	2455.56	2469.40	0.5	PASS
11N20SISO	Ant1	2412	16.64	2403.60	2420.24	0.5	PASS
11N20SISO	Ant1	2437	15.60	2429.24	2444.84	0.5	PASS
11N20SISO	Ant1	2462	15.48	2454.40	2469.88	0.5	PASS
11N40SISO	Ant1	2422	35.12	2404.16	2439.28	0.5	PASS
11N40SISO	Ant1	2437	35.68	2419.08	2454.76	0.5	PASS
11N40SISO	Ant1	2452	33.28	2434.24	2467.52	0.5	PASS

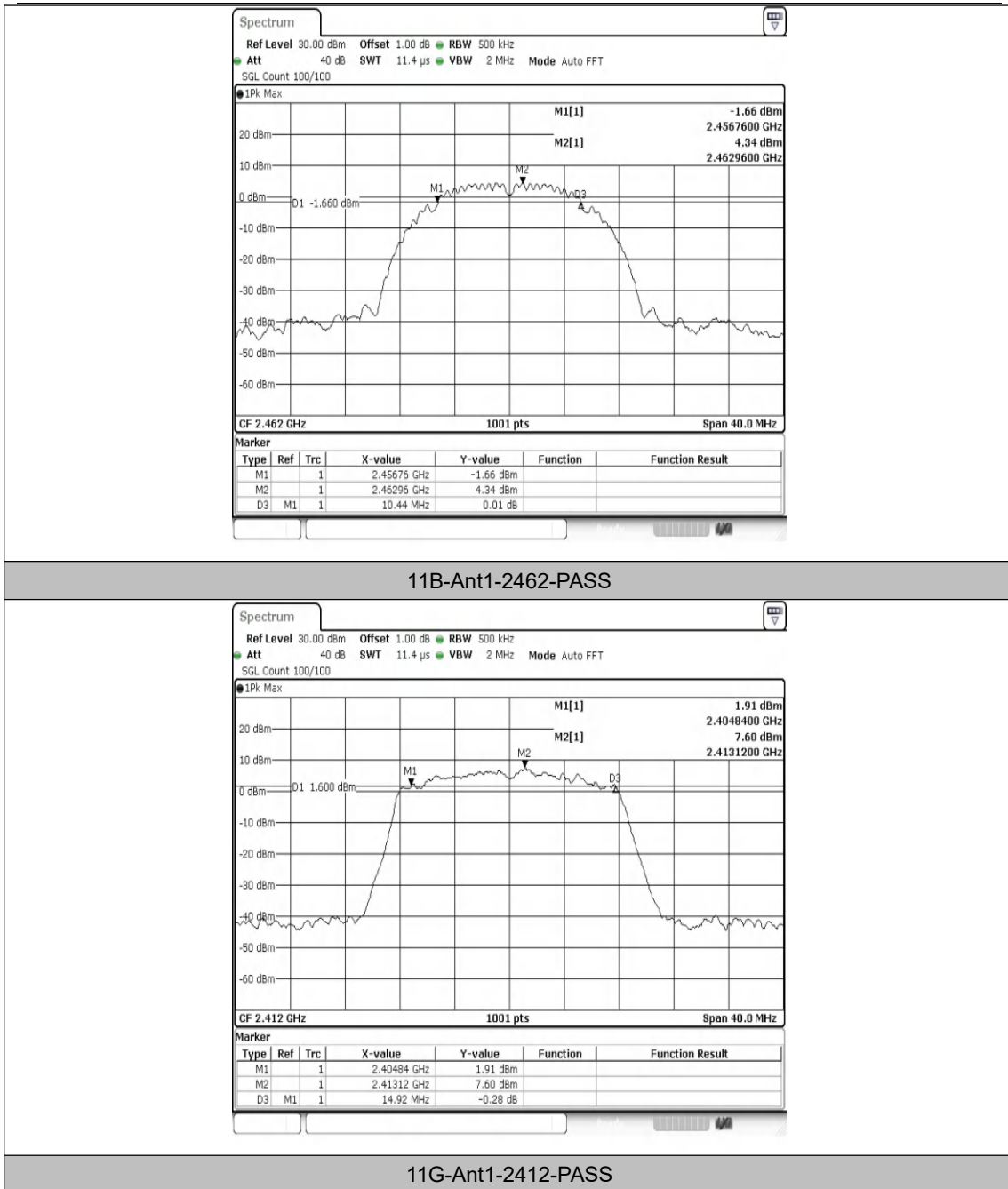
Test Graphs

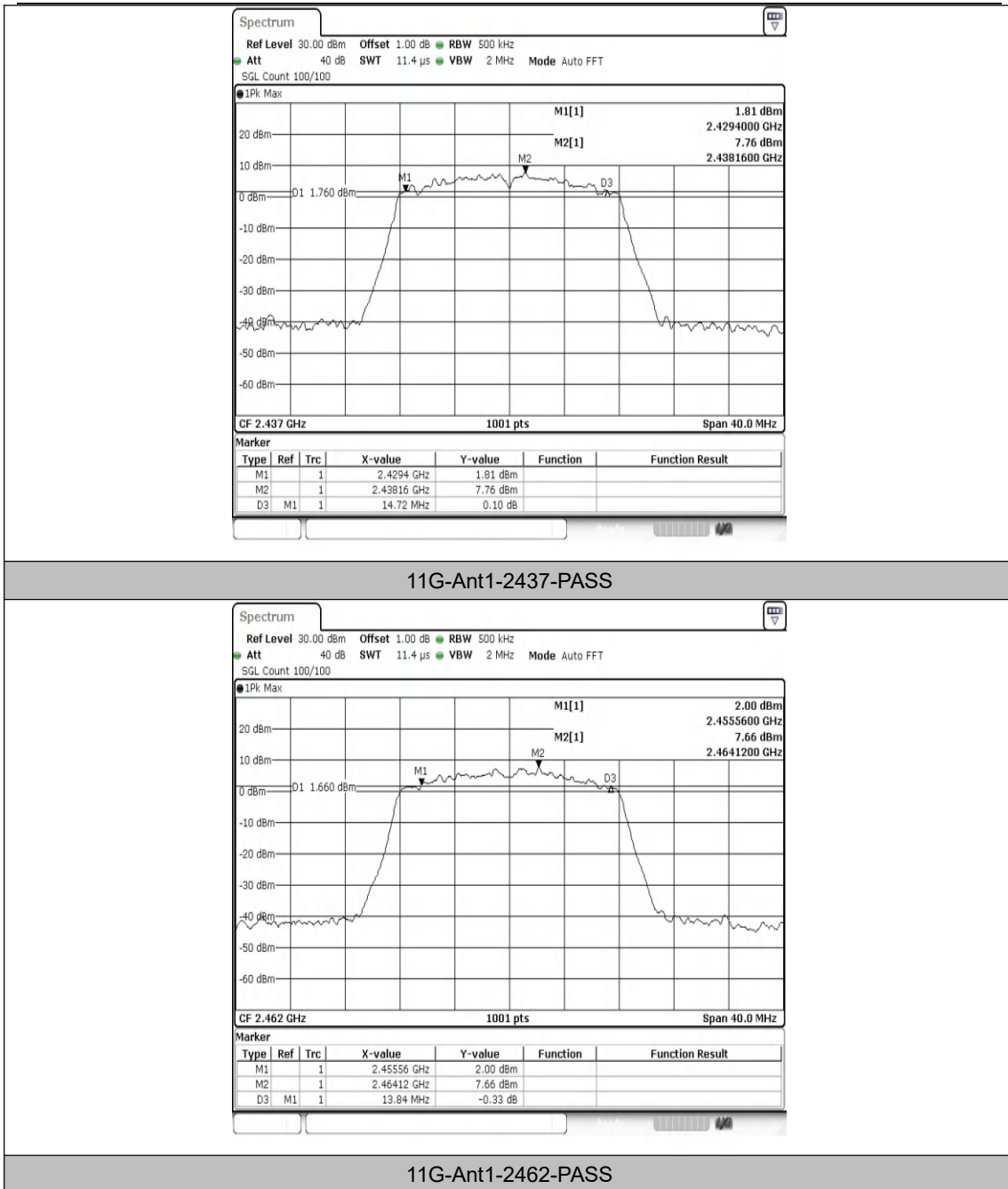


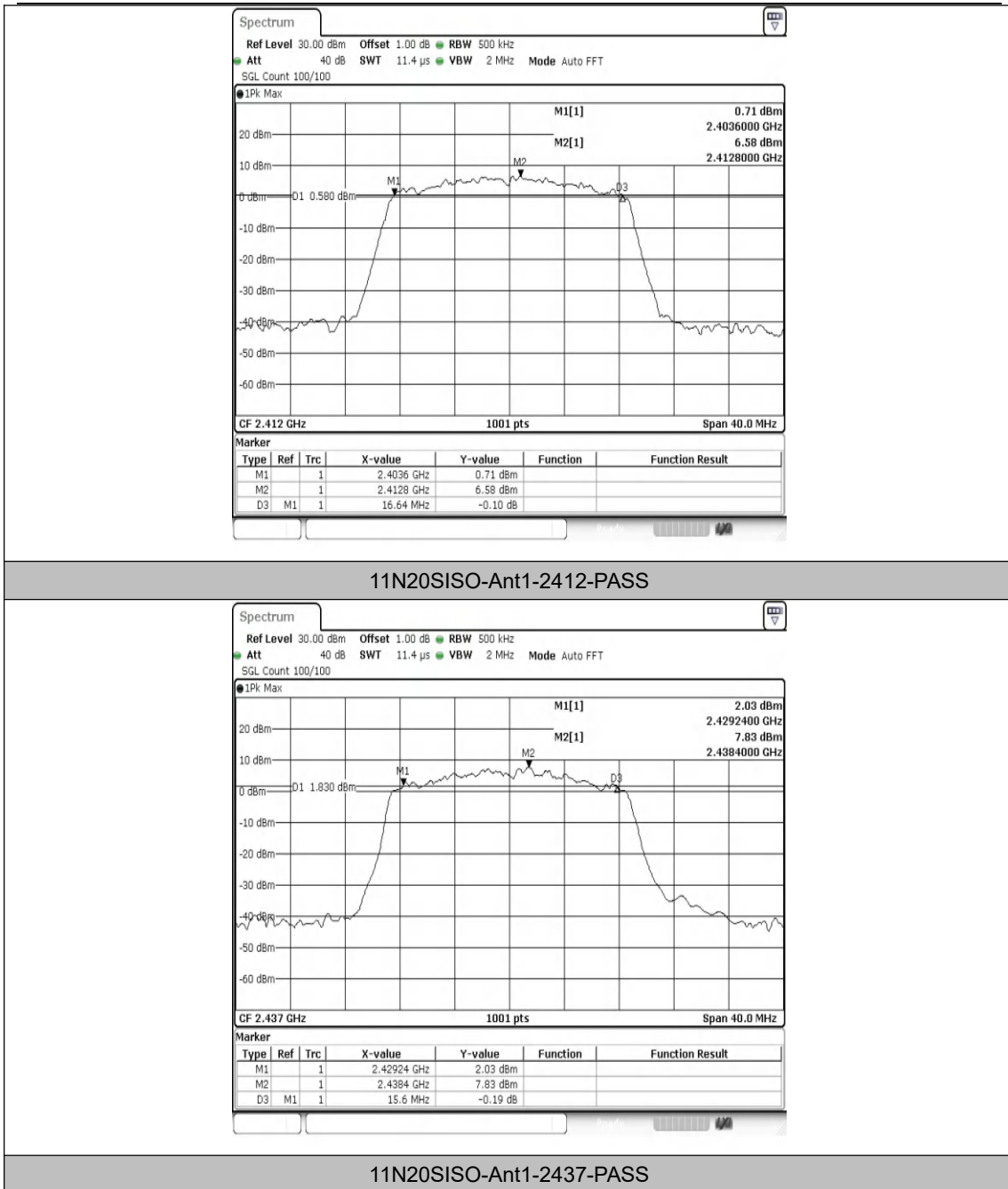
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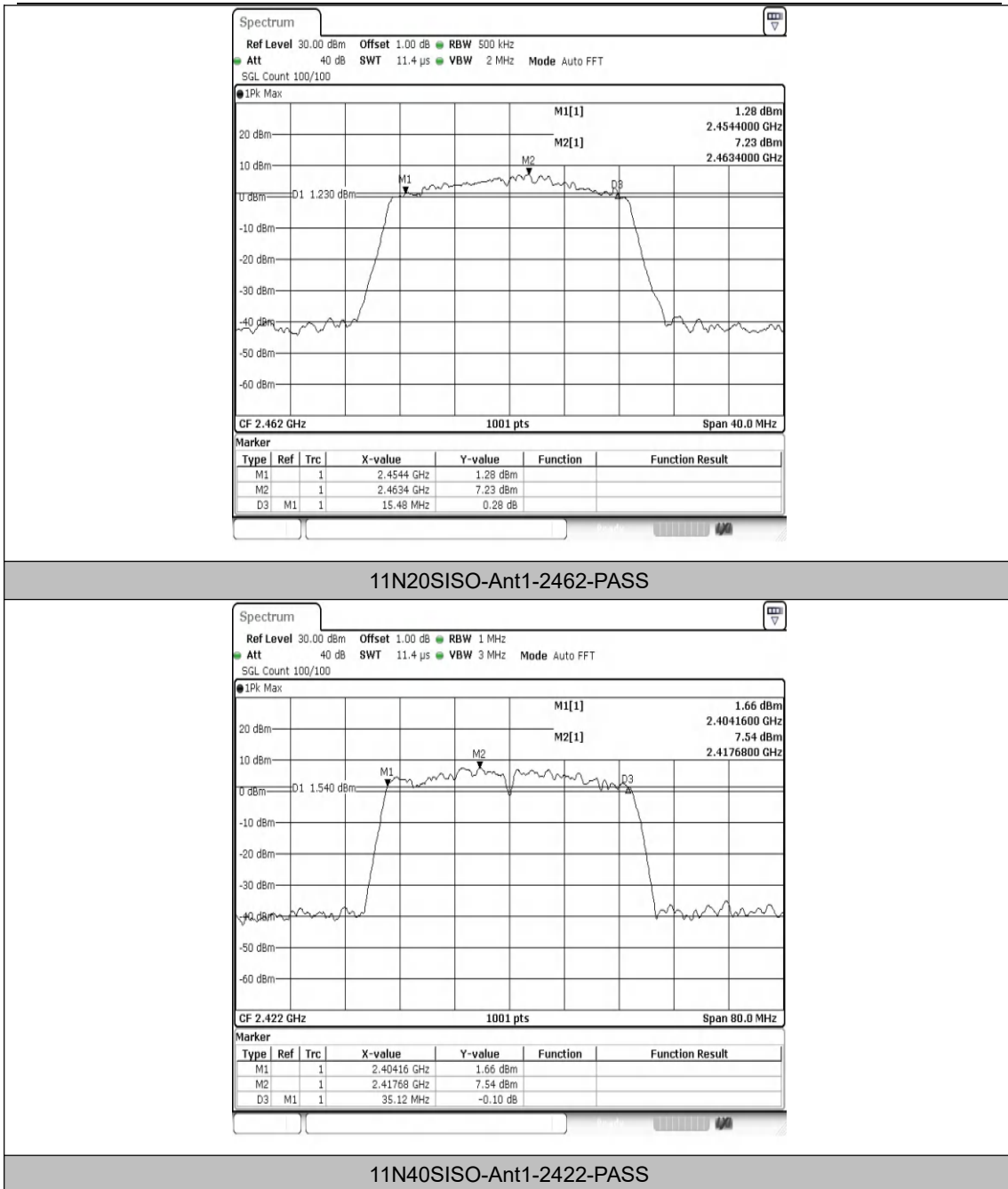


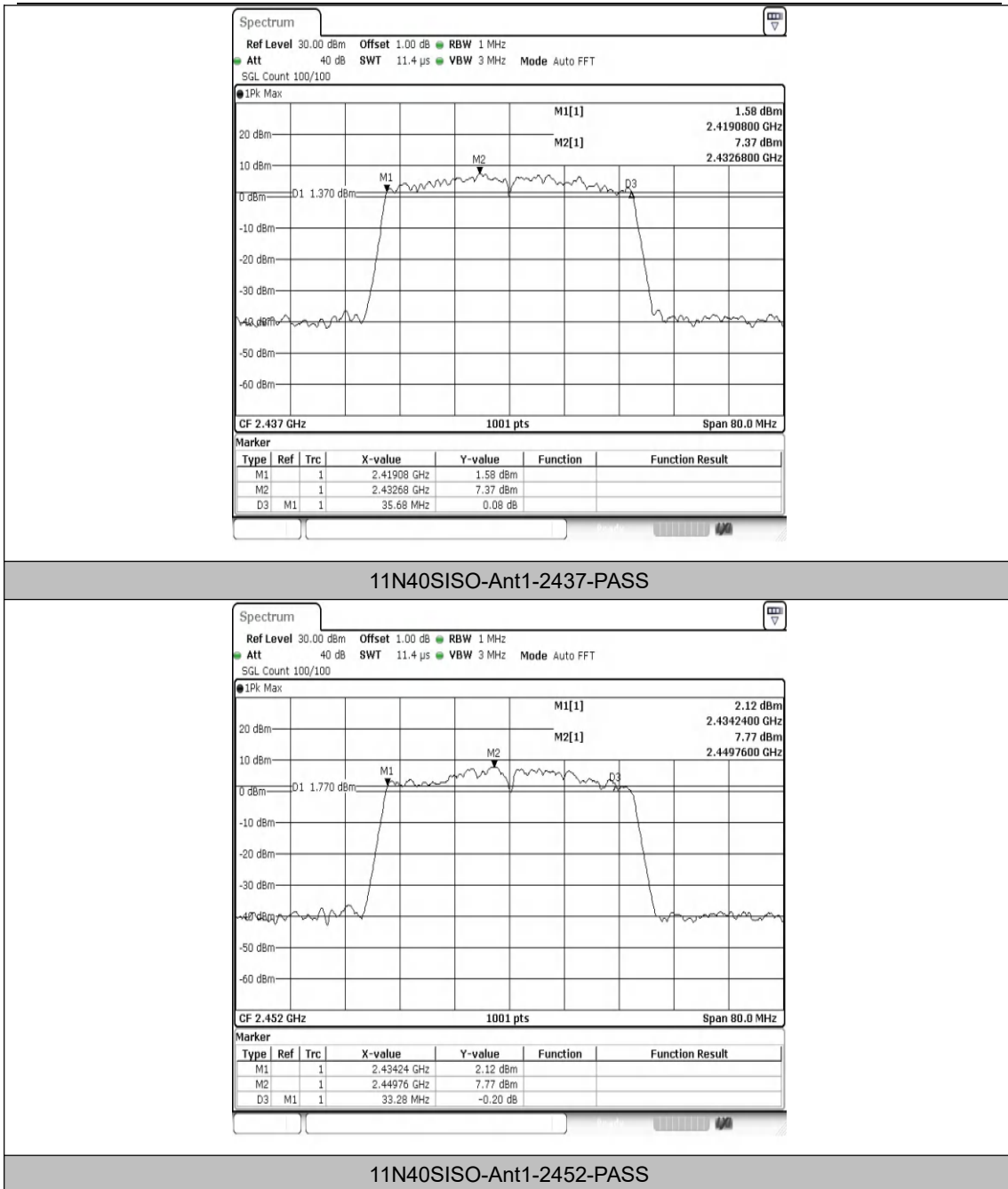


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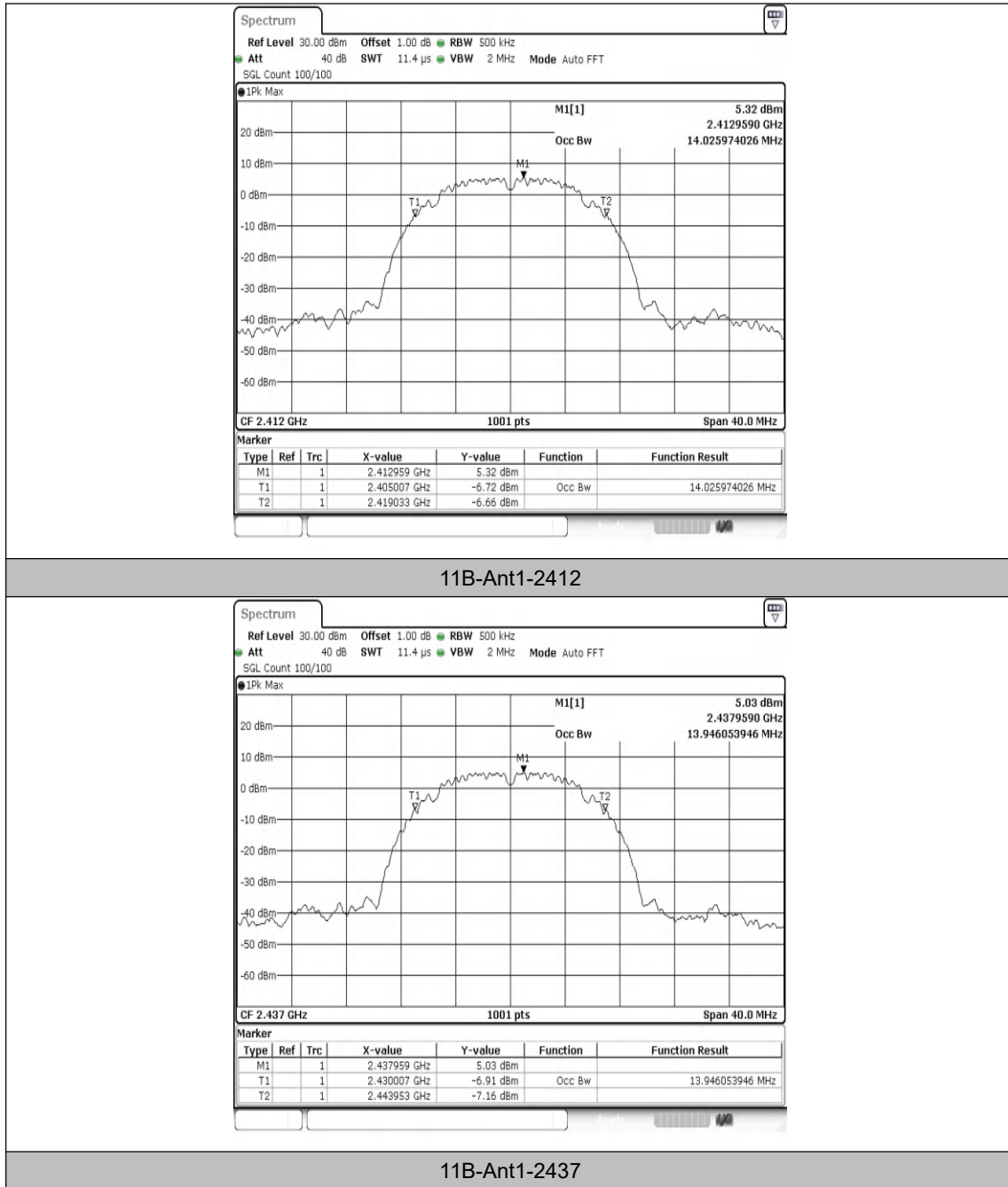


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.026	2405.0070	2419.0330	---	---
11B	Ant1	2437	13.946	2430.0070	2443.9530	---	---
11B	Ant1	2462	13.906	2455.0070	2468.9131	---	---
11G	Ant1	2412	16.184	2403.8482	2420.0320	---	---
11G	Ant1	2437	16.224	2428.9281	2445.1518	---	---
11G	Ant1	2462	16.184	2453.9281	2470.1119	---	---
11N20SISO	Ant1	2412	17.343	2403.2887	2420.6314	---	---
11N20SISO	Ant1	2437	17.343	2428.3287	2445.6713	---	---
11N20SISO	Ant1	2462	17.463	2453.2488	2470.7113	---	---
11N40SISO	Ant1	2422	35.724	2404.0979	2439.8222	---	---
11N40SISO	Ant1	2437	35.724	2419.0979	2454.8222	---	---
11N40SISO	Ant1	2452	35.964	2433.9381	2469.9021	---	---

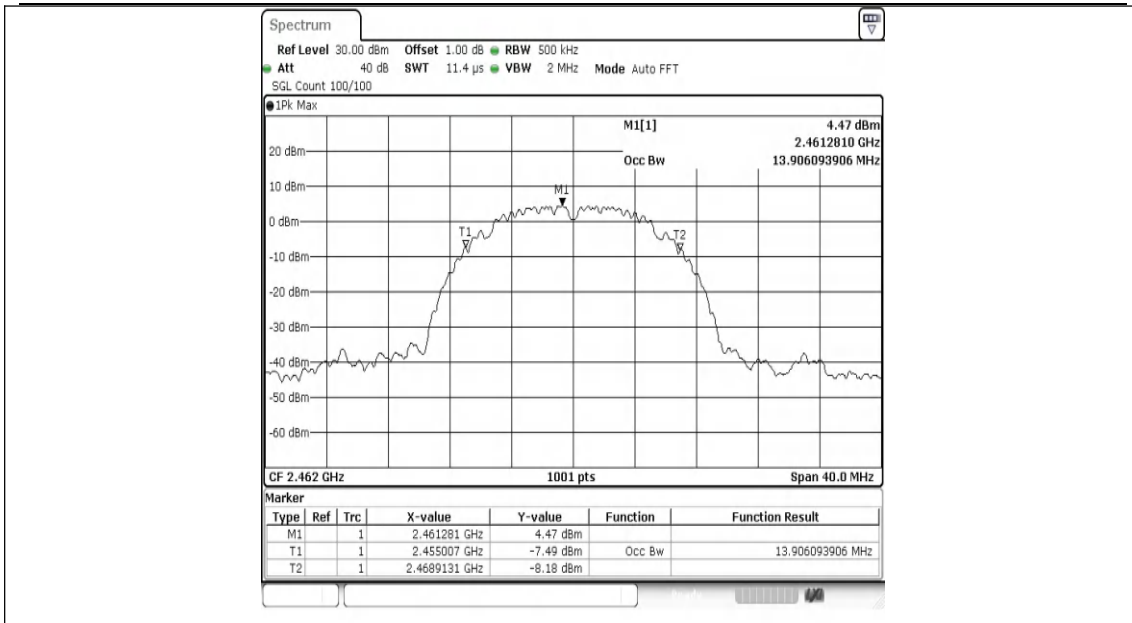
Test Graphs



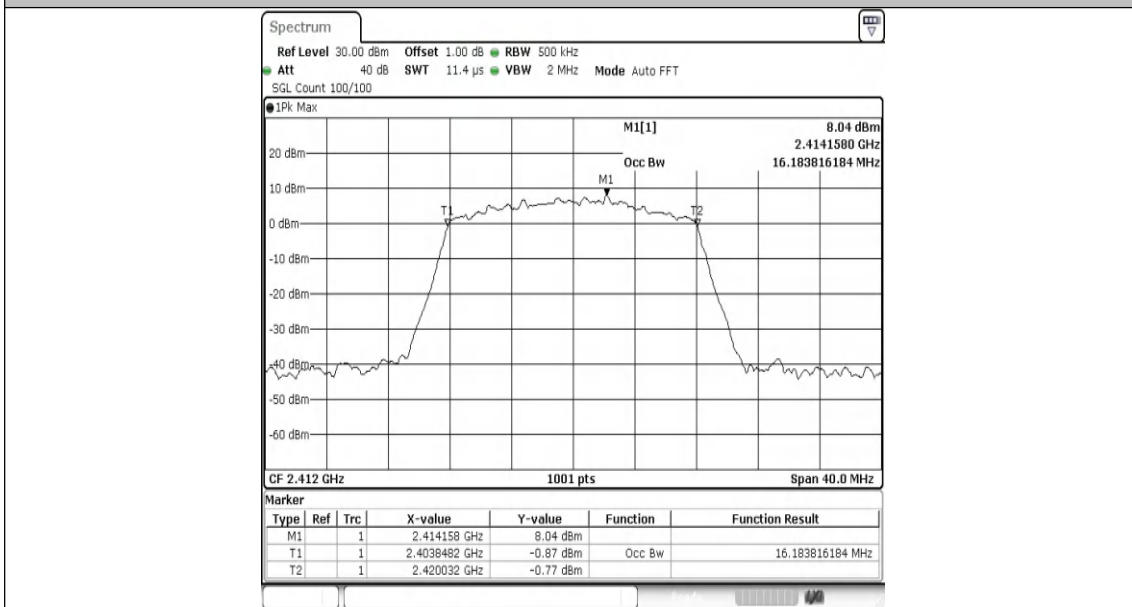
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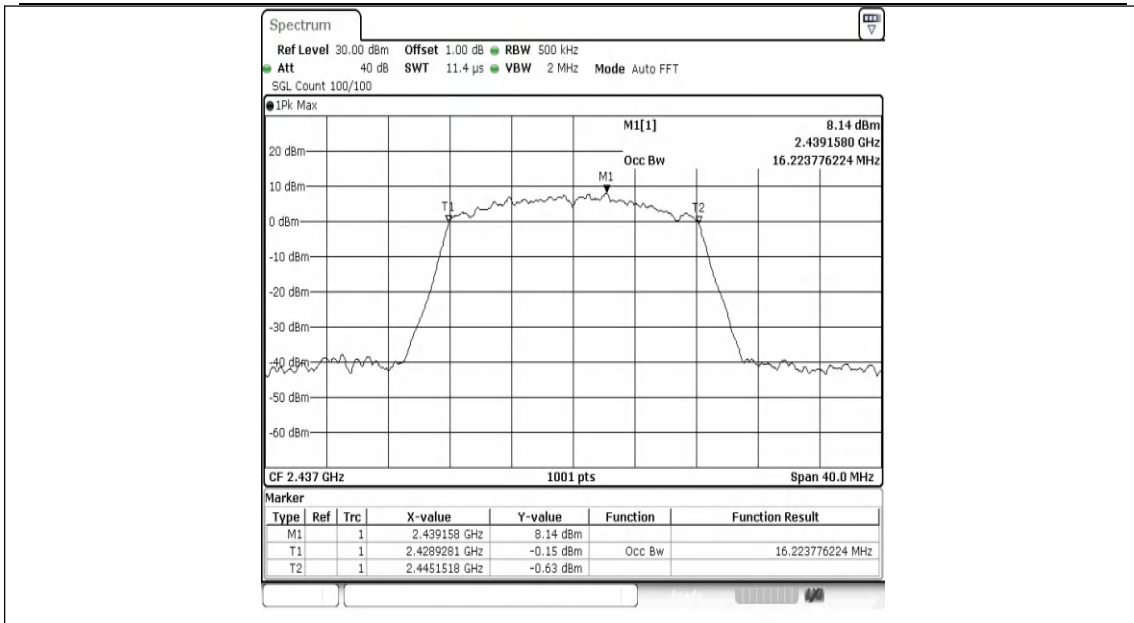
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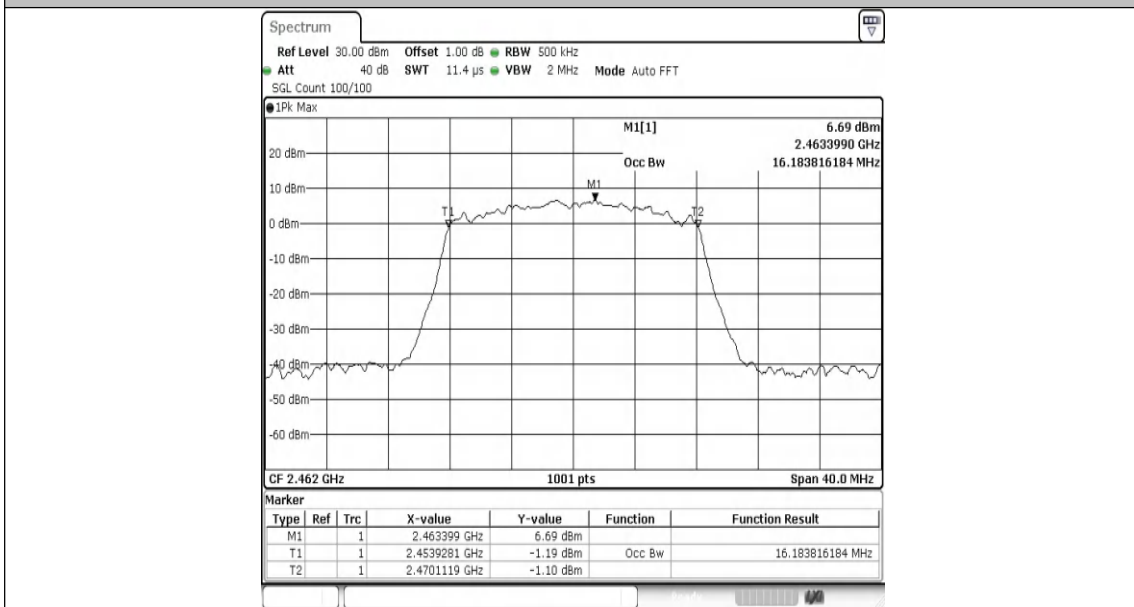
11B-Ant1-2462



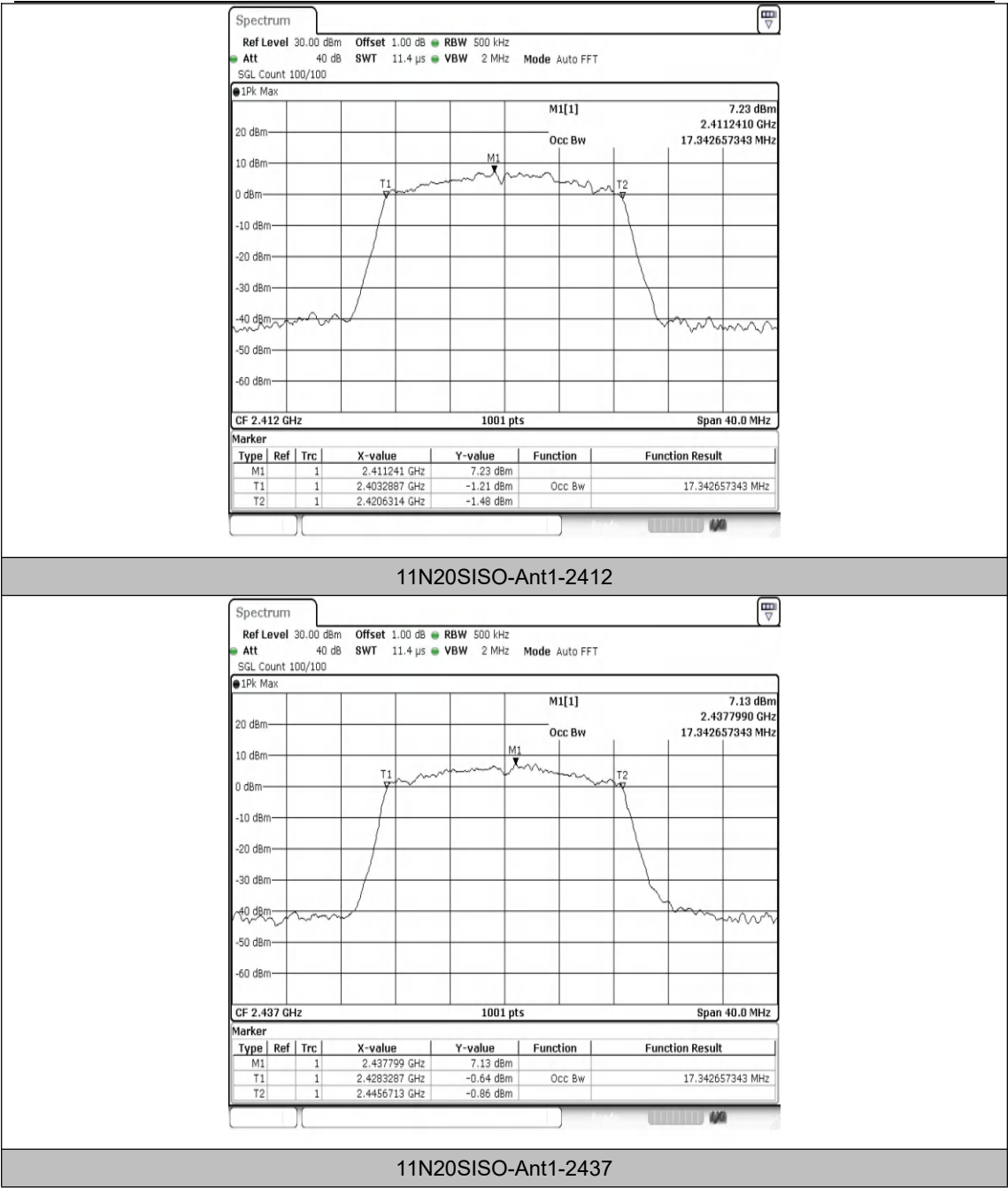
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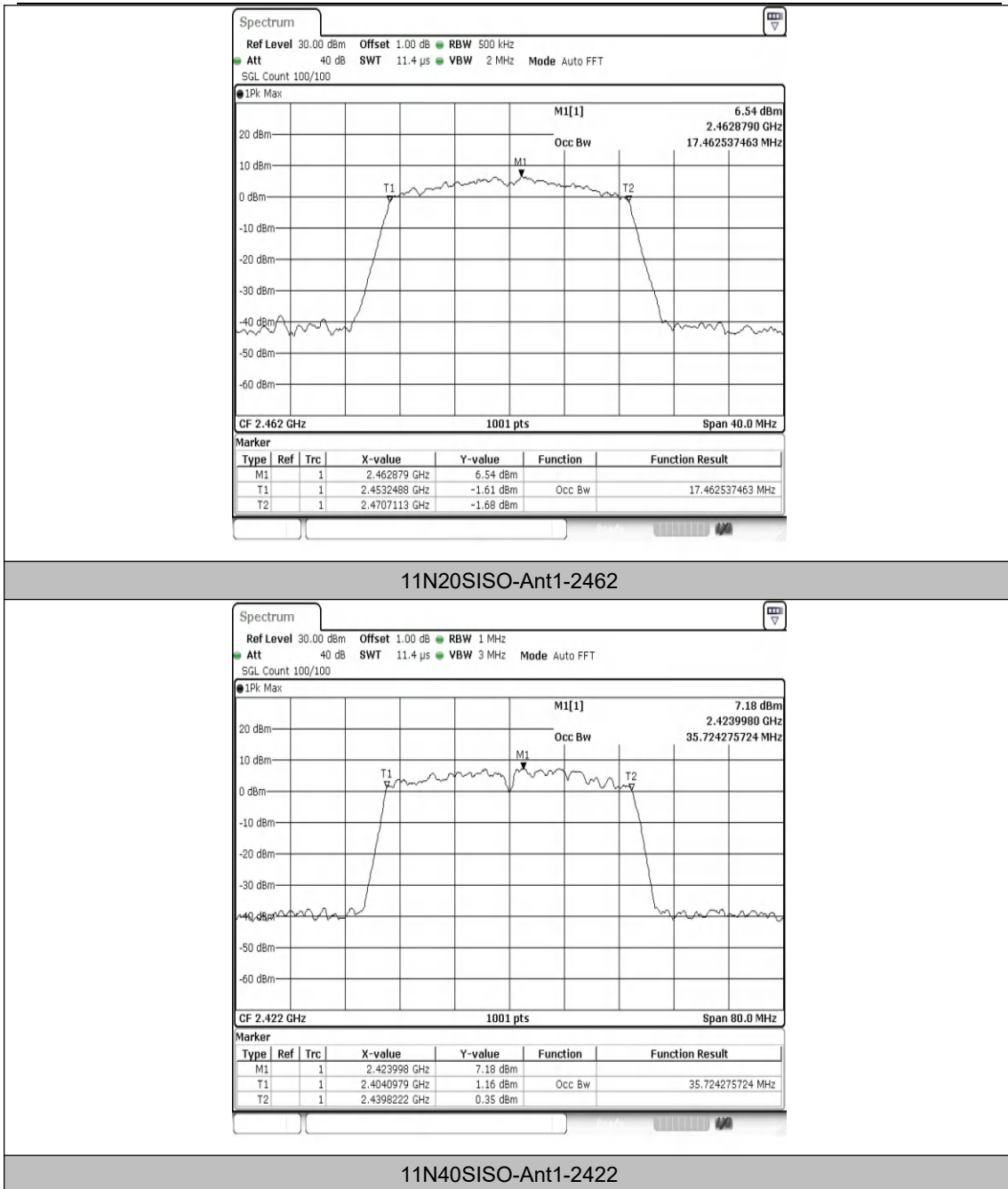


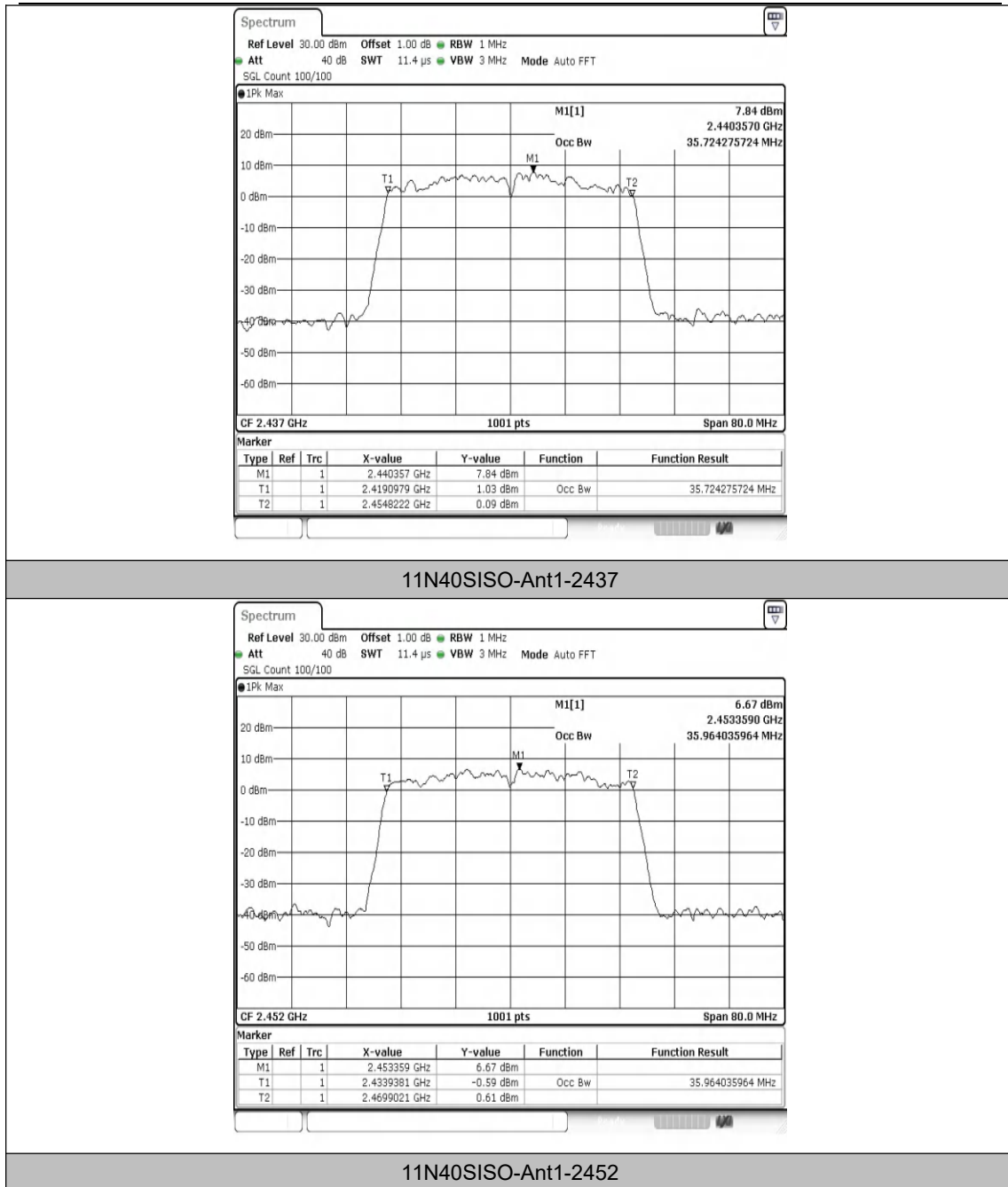
11G-Ant1-2437



11G-Ant1-2462







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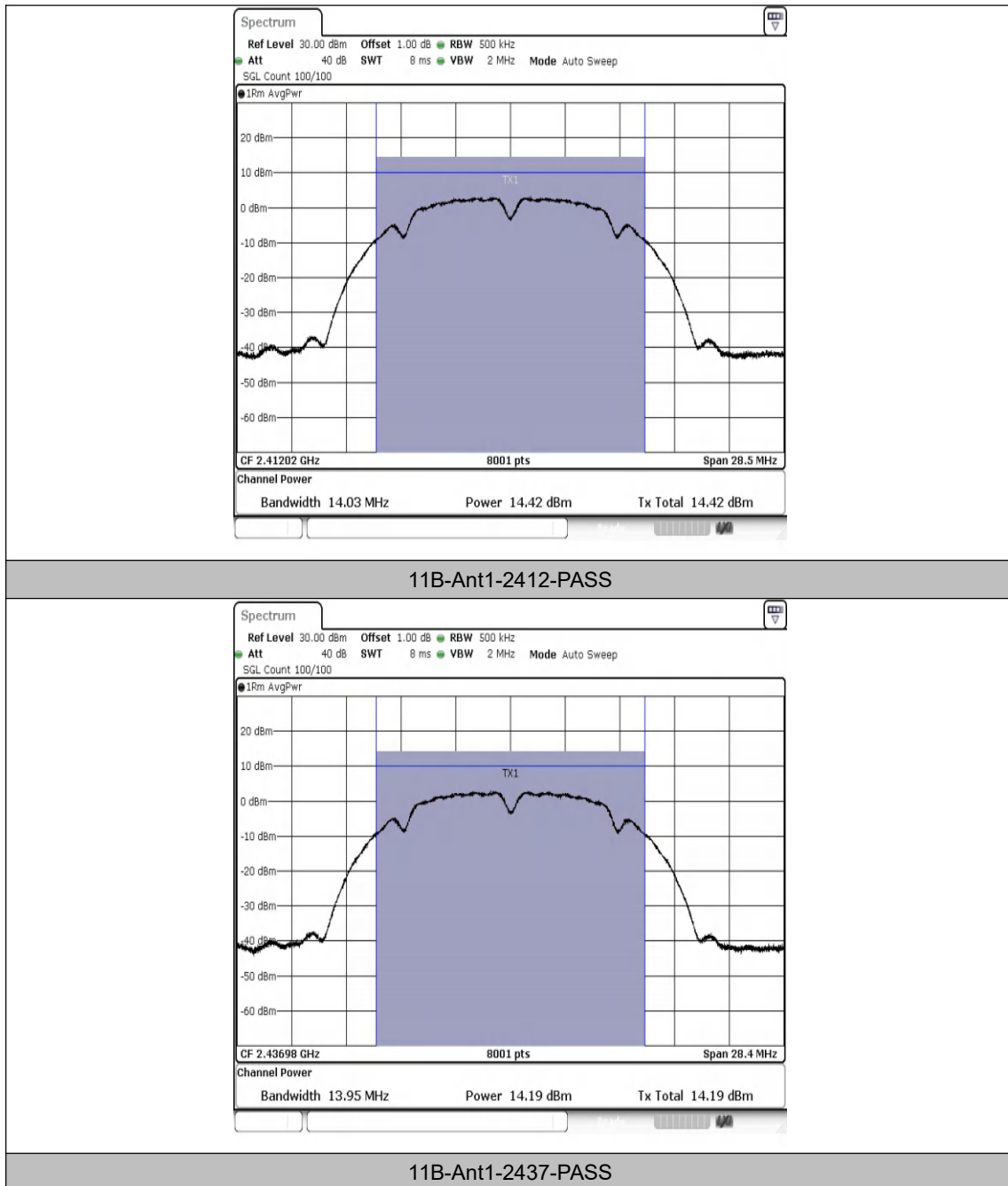
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.42	≤30.00	PASS
11B	Ant1	2437	14.19	≤30.00	PASS
11B	Ant1	2462	13.49	≤30.00	PASS
11G	Ant1	2412	13.88	≤30.00	PASS
11G	Ant1	2437	14.01	≤30.00	PASS
11G	Ant1	2462	13.50	≤30.00	PASS
11N20SISO	Ant1	2412	13.81	≤30.00	PASS
11N20SISO	Ant1	2437	13.90	≤30.00	PASS
11N20SISO	Ant1	2462	13.42	≤30.00	PASS
11N40SISO	Ant1	2422	13.71	≤30.00	PASS
11N40SISO	Ant1	2437	13.87	≤30.00	PASS
11N40SISO	Ant1	2452	13.46	≤30.00	PASS

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

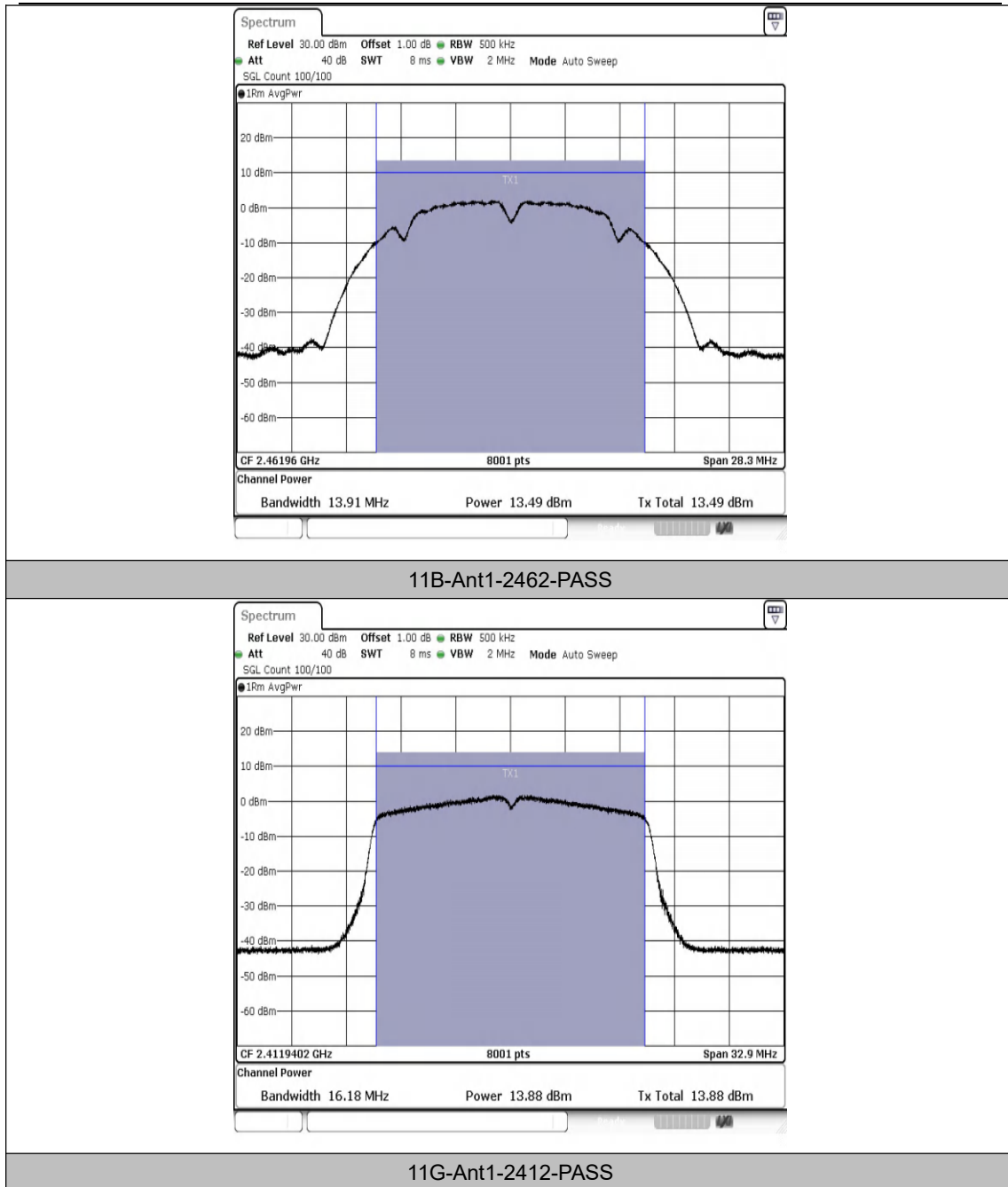
Test Graphs Average



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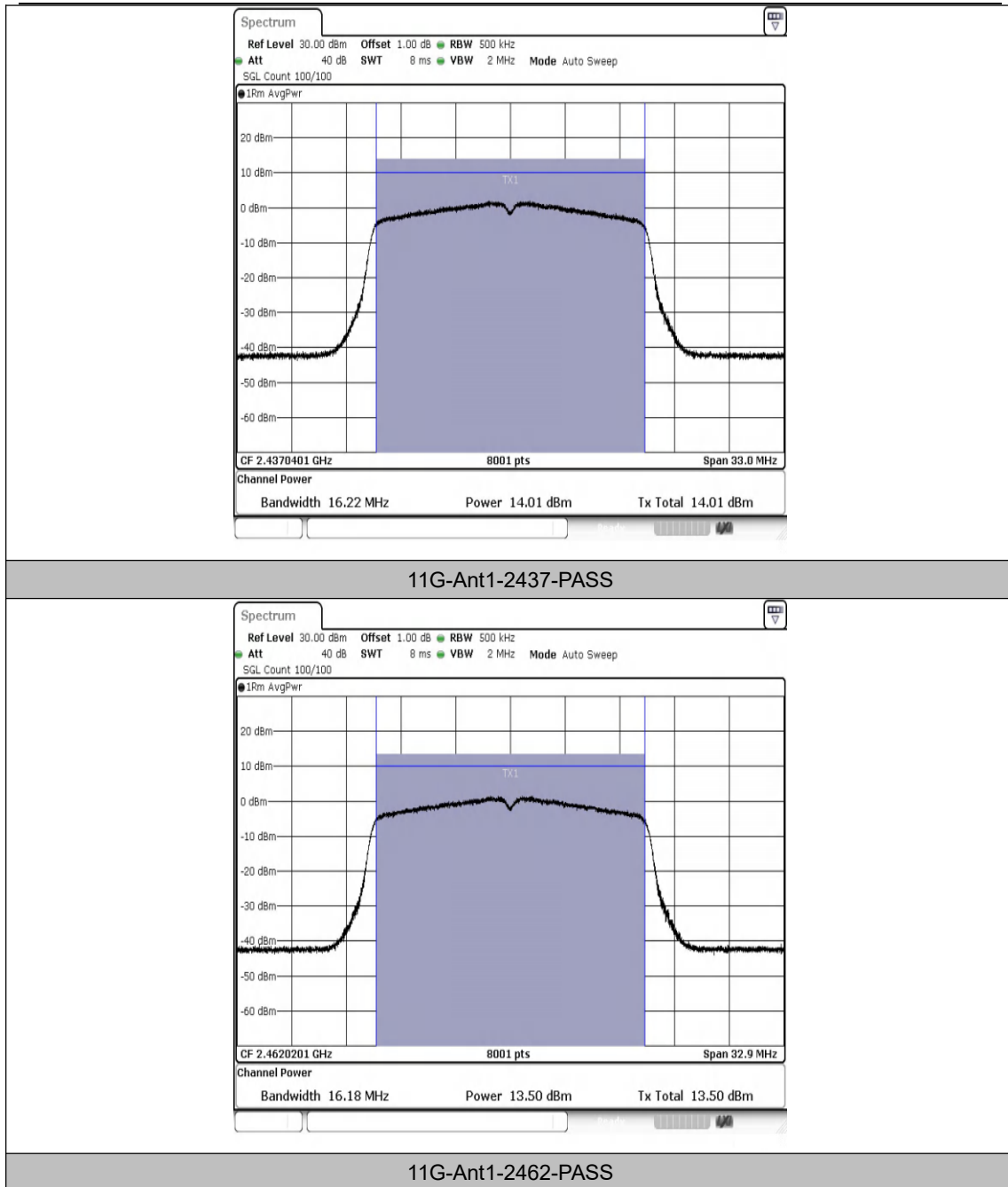
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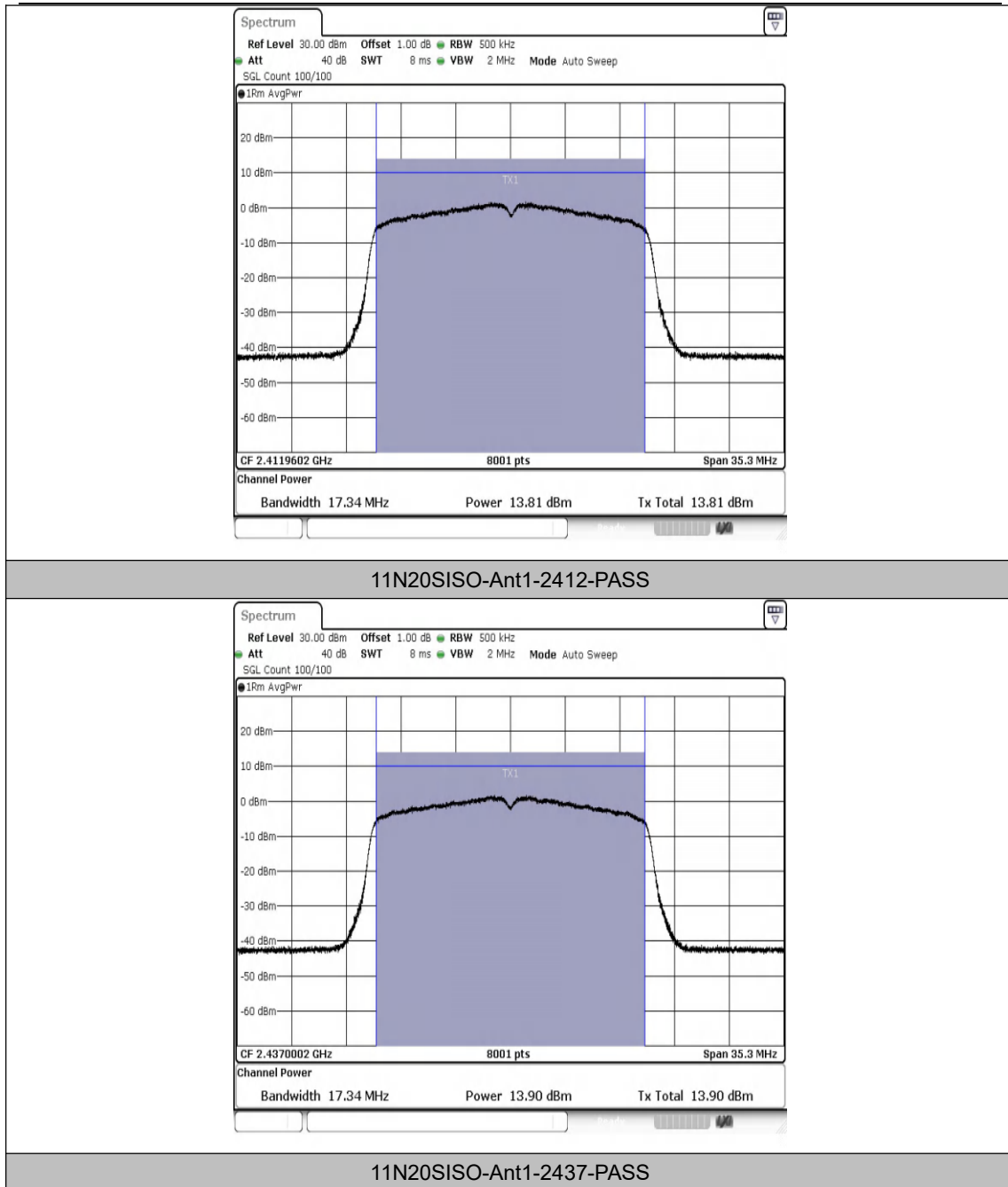


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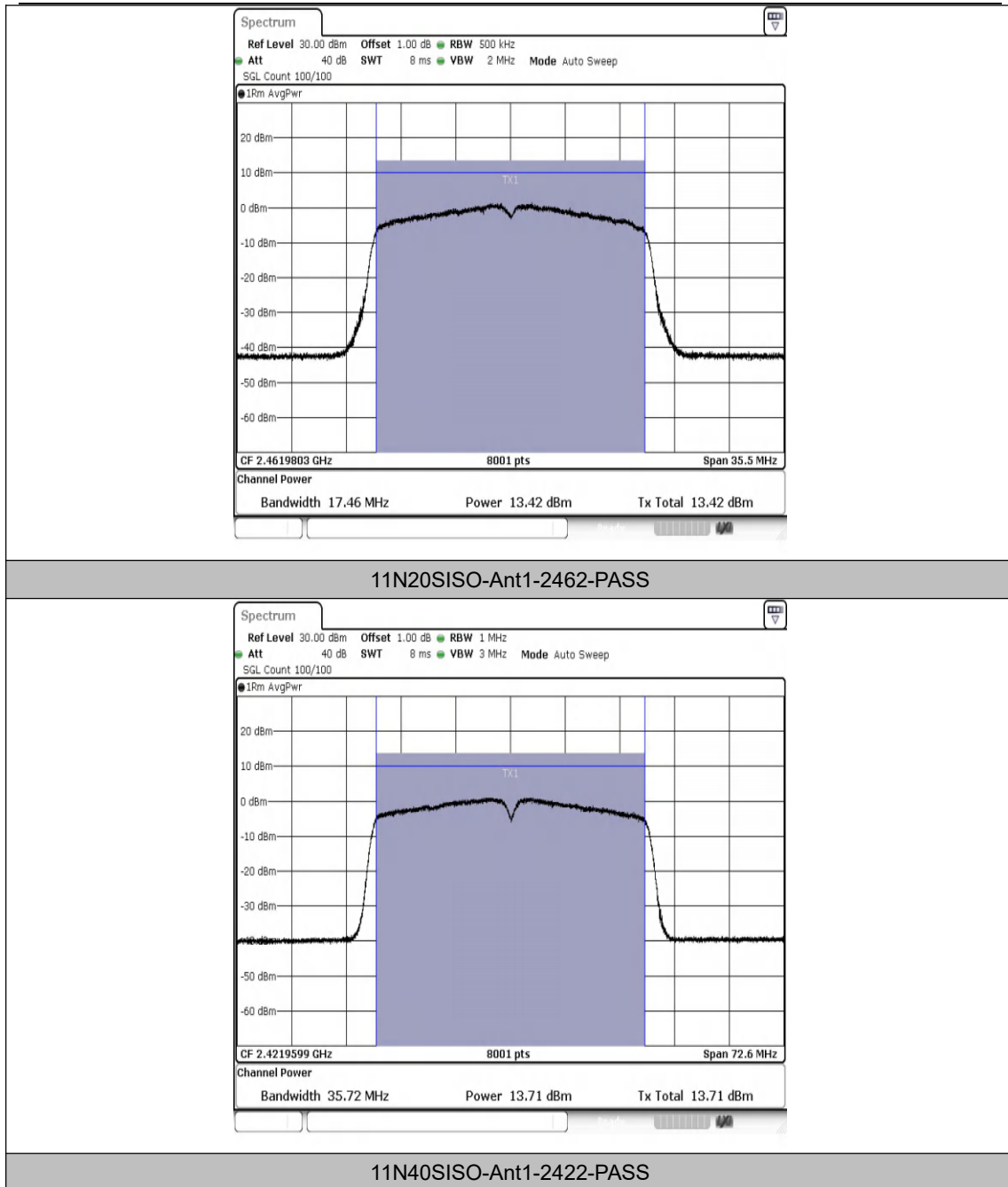




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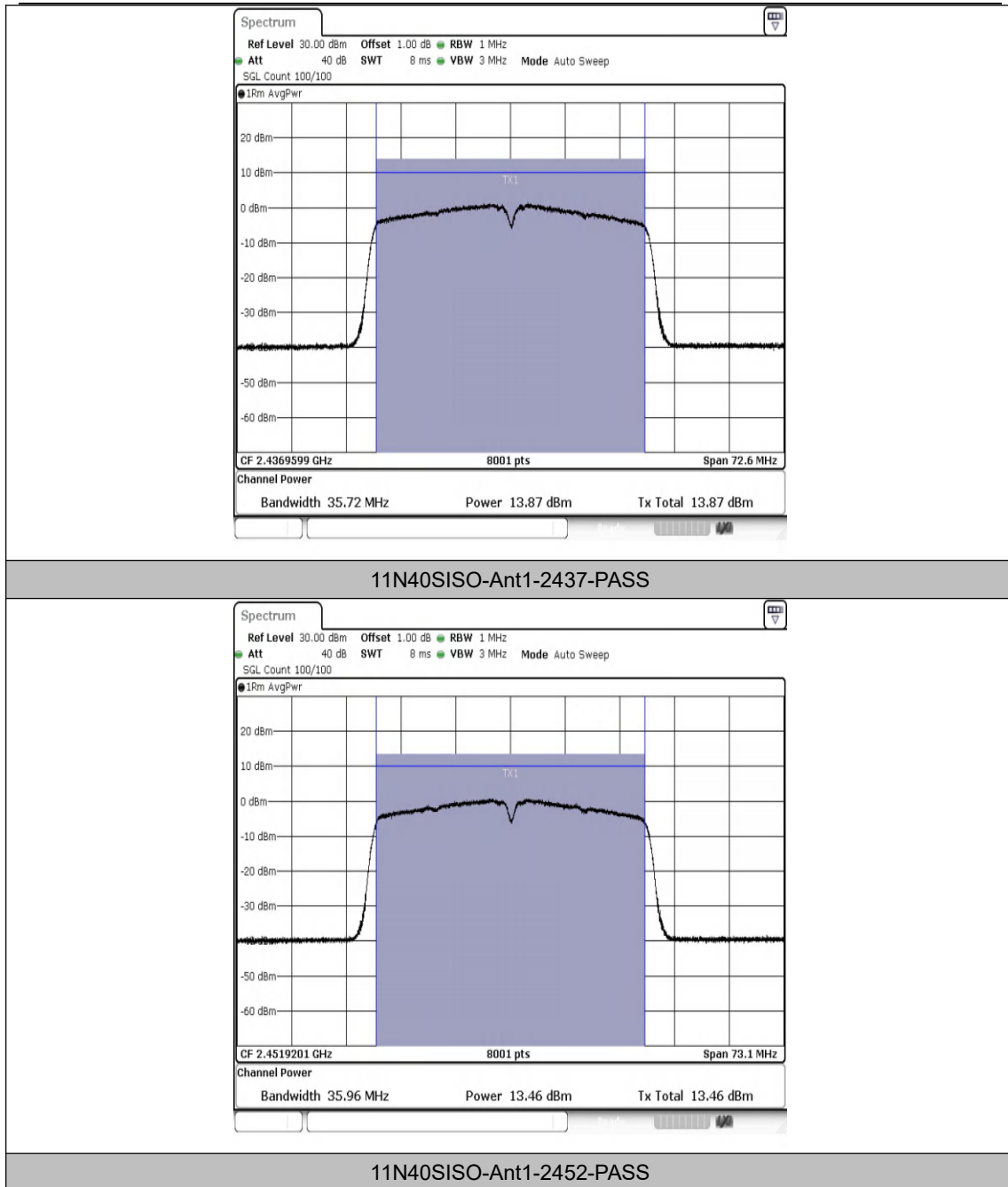
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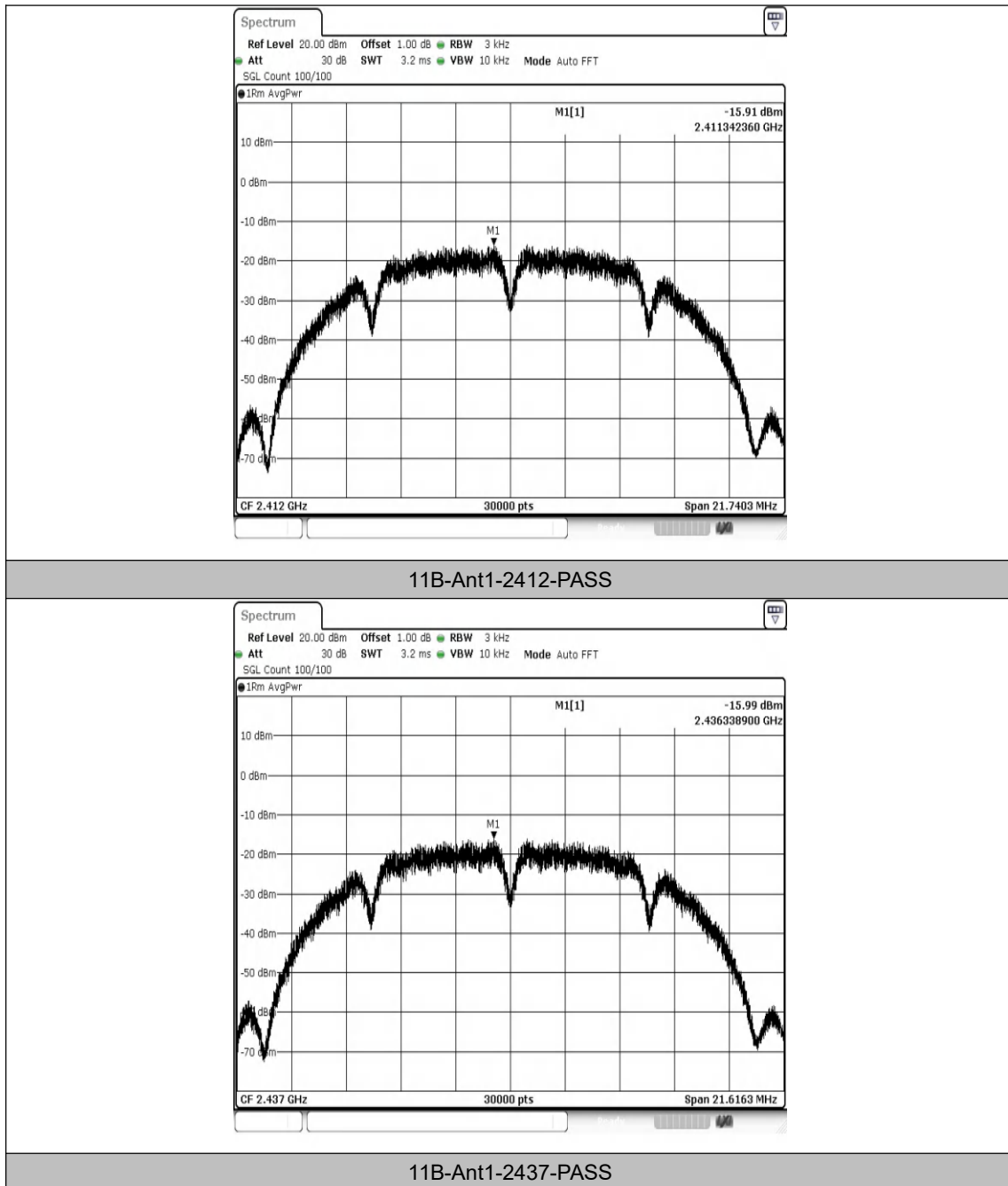
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.91	≤8.00	PASS
11B	Ant1	2437	-15.99	≤8.00	PASS
11B	Ant1	2462	-16.69	≤8.00	PASS
11G	Ant1	2412	-14.69	≤8.00	PASS
11G	Ant1	2437	-14.60	≤8.00	PASS
11G	Ant1	2462	-15.14	≤8.00	PASS
11N20SISO	Ant1	2412	-13.01	≤8.00	PASS
11N20SISO	Ant1	2437	-13.00	≤8.00	PASS
11N20SISO	Ant1	2462	-13.39	≤8.00	PASS
11N40SISO	Ant1	2422	-15.88	≤8.00	PASS
11N40SISO	Ant1	2437	-15.65	≤8.00	PASS
11N40SISO	Ant1	2452	-16.21	≤8.00	PASS

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

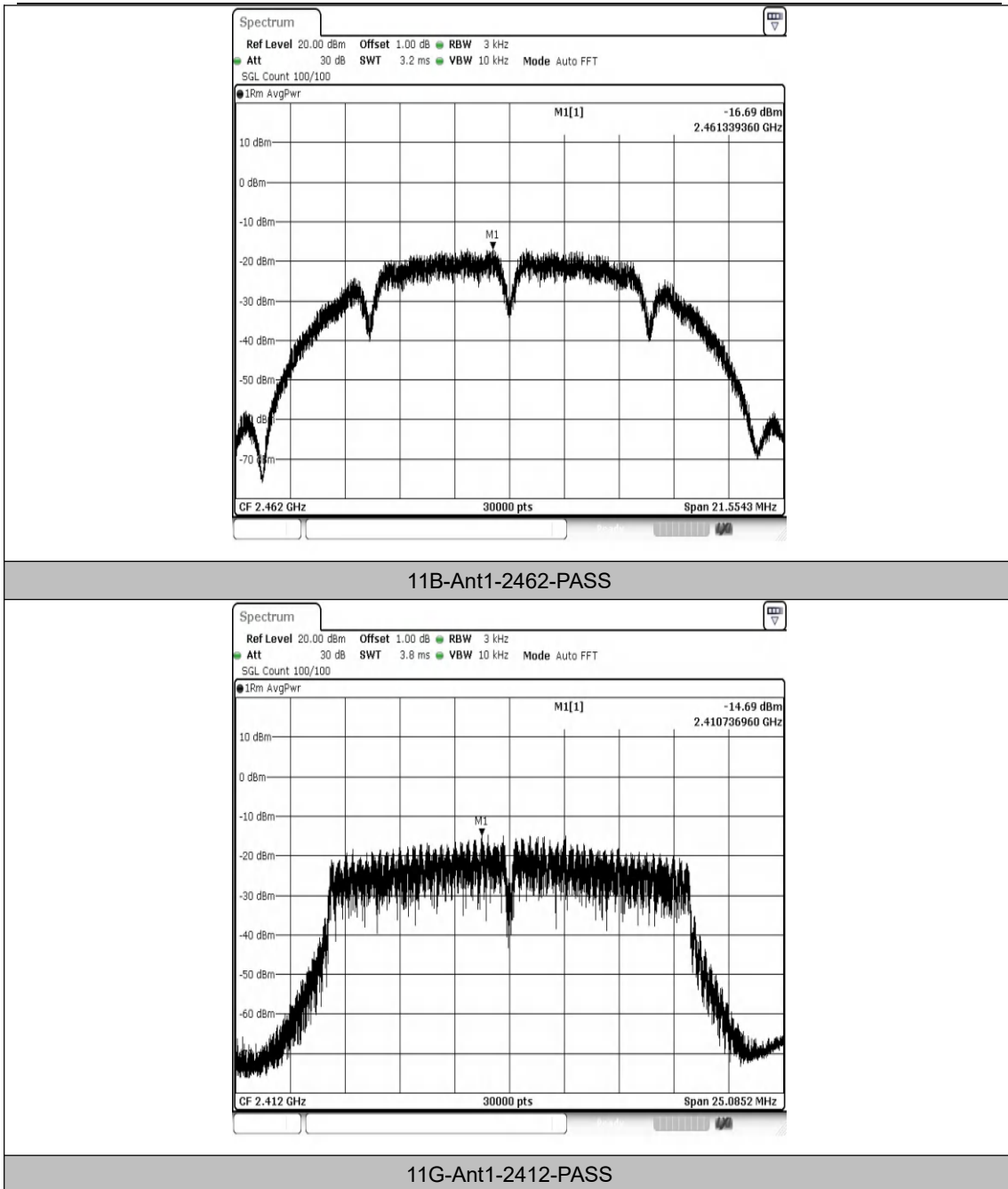
Test Graphs



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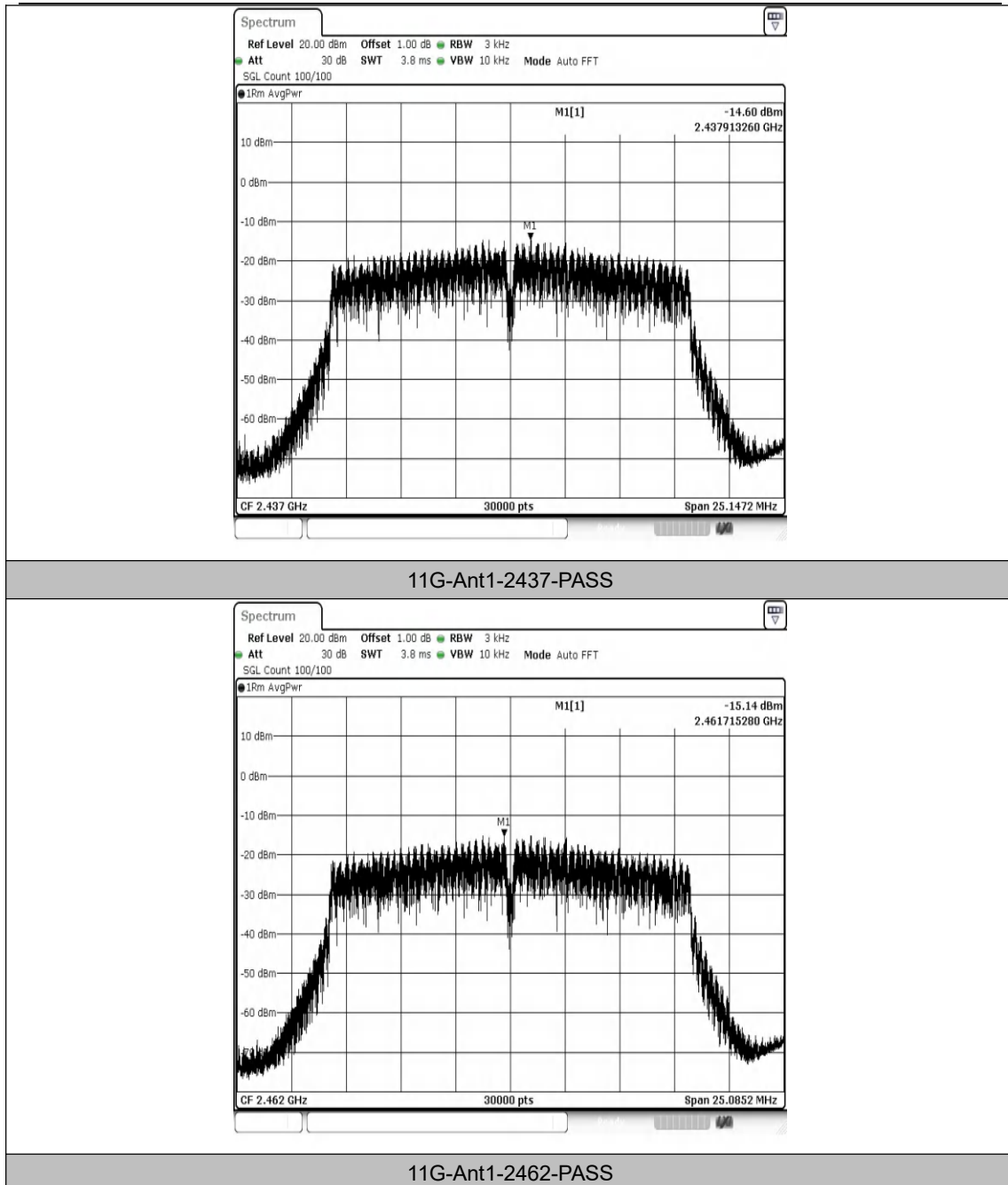
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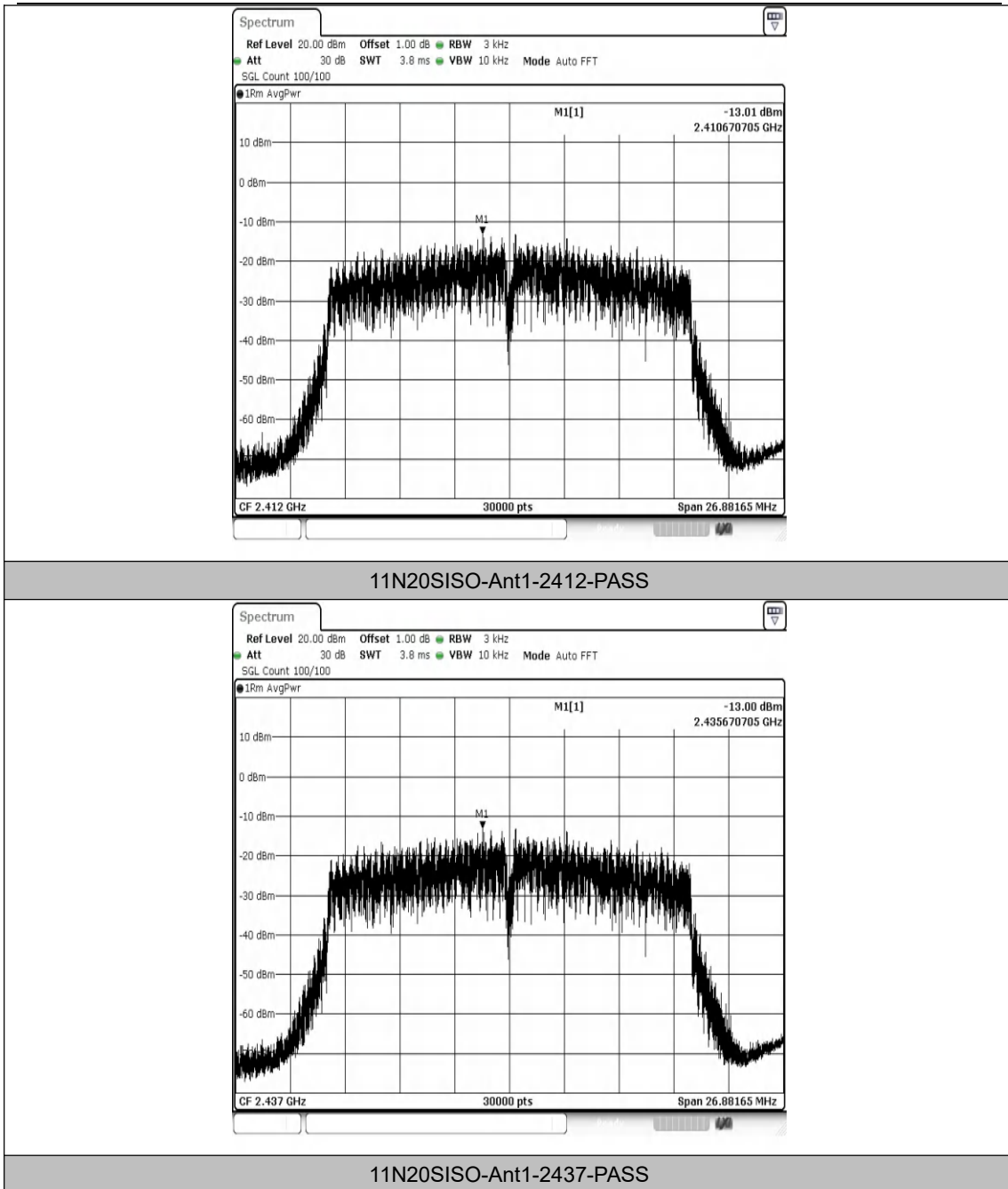
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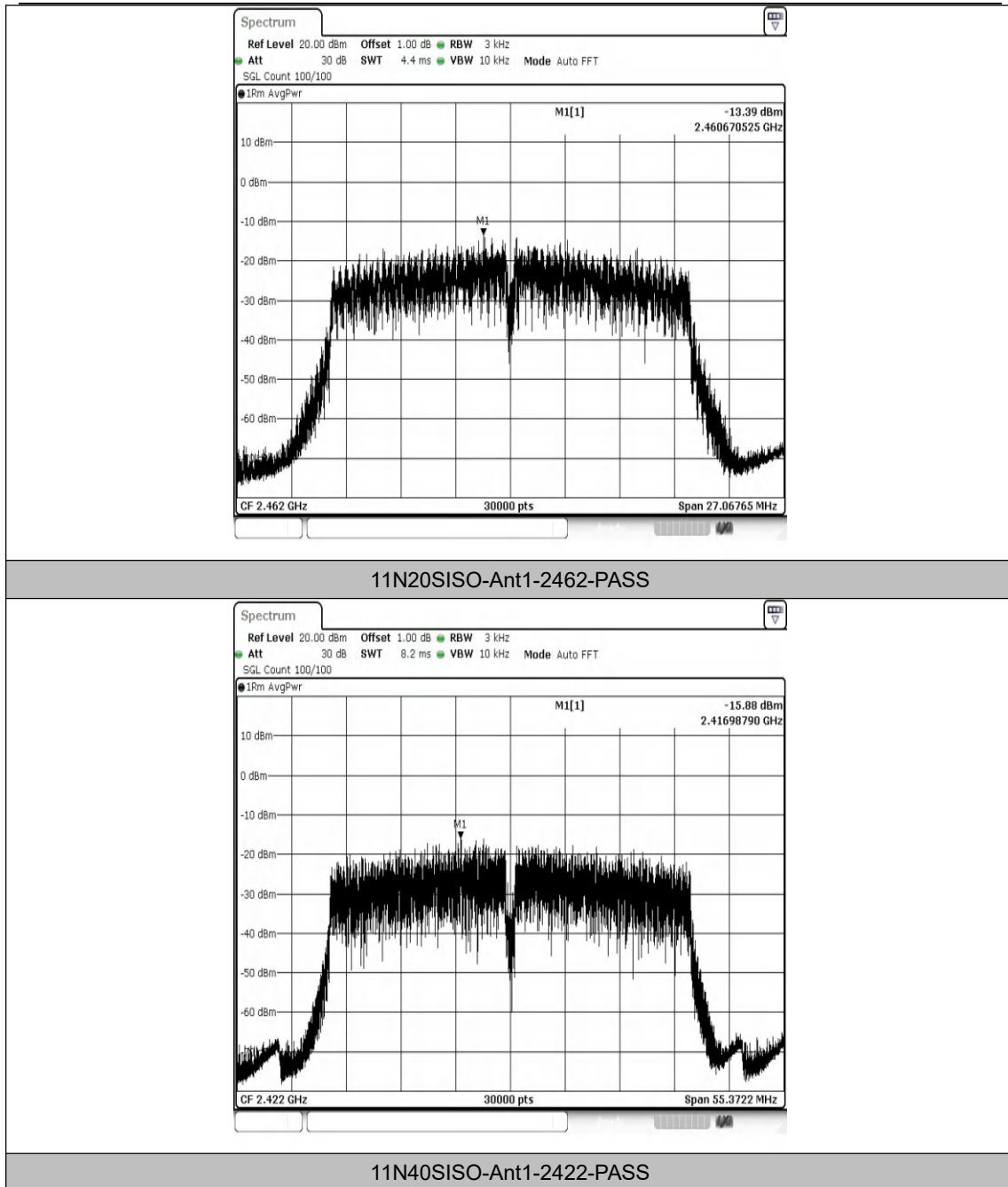
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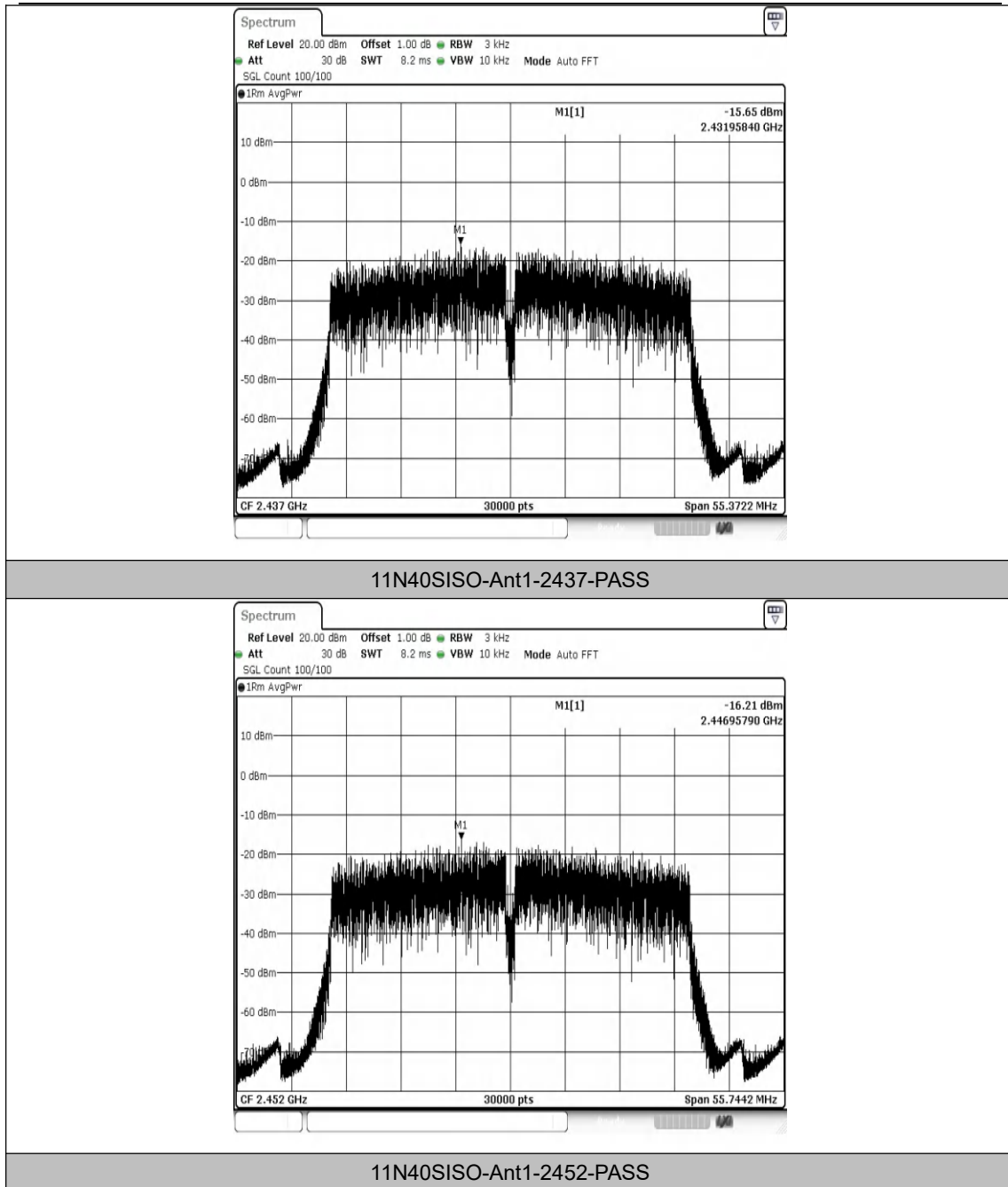
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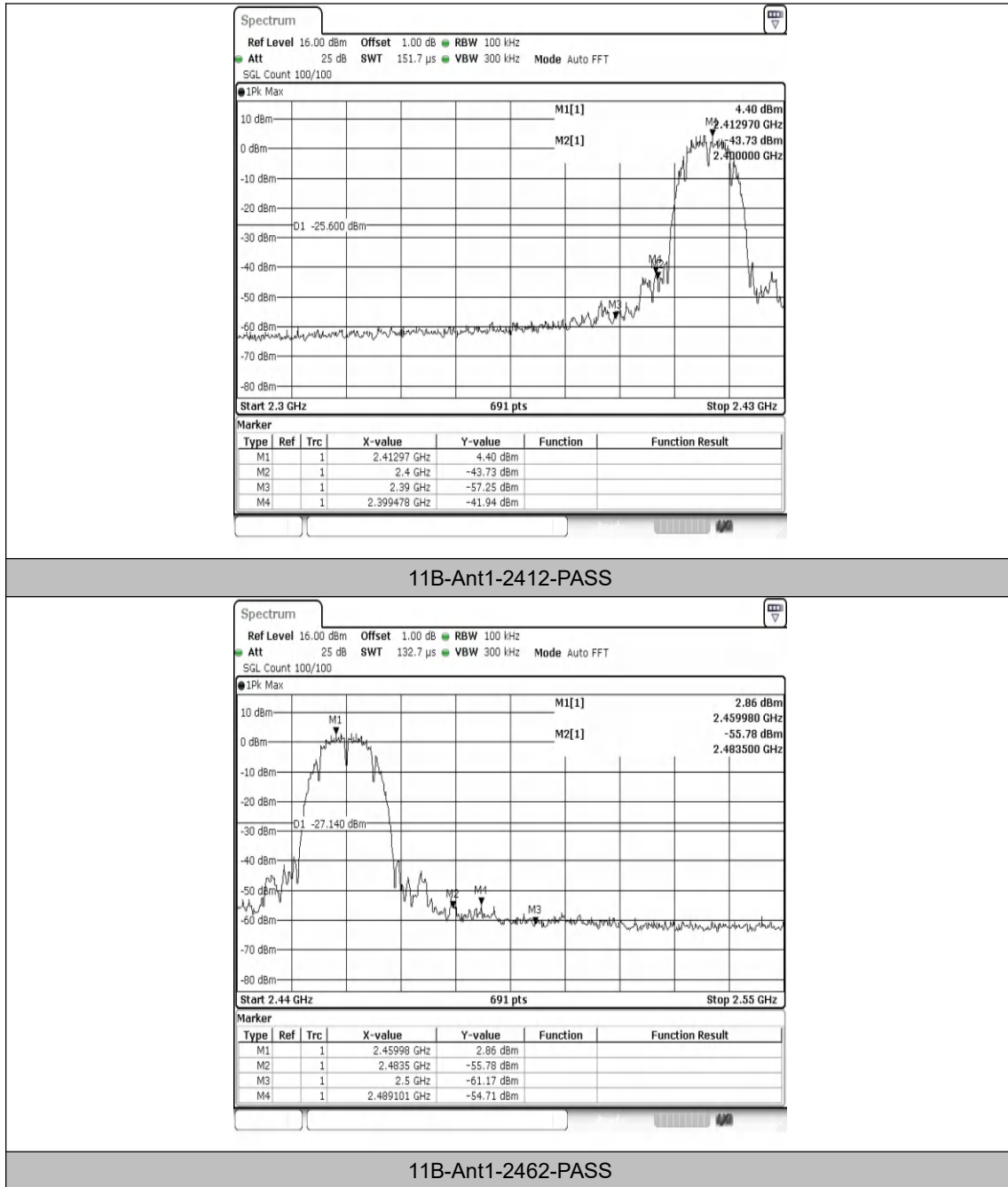
Appendix E: Conducted Band edge

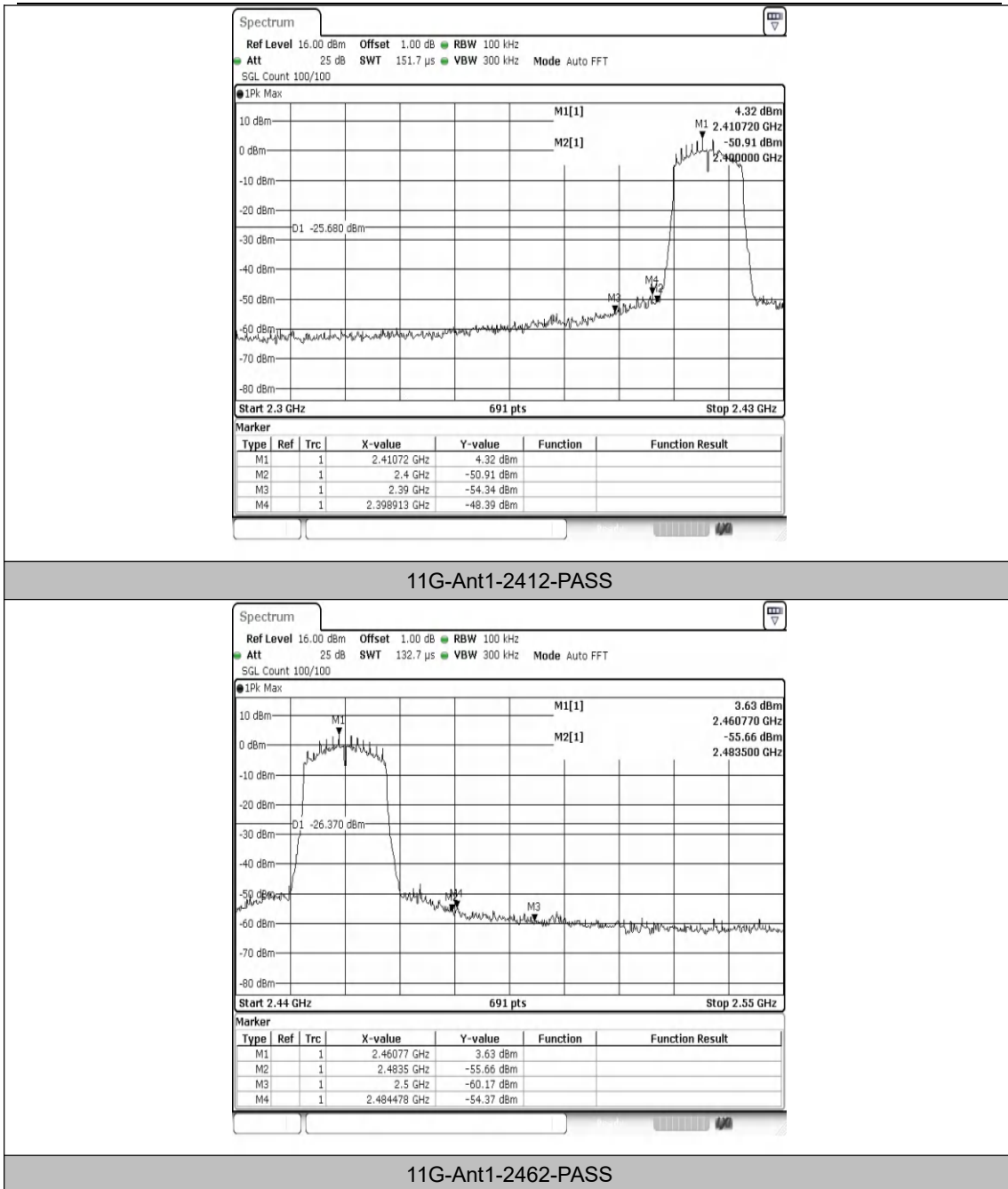
Test Result

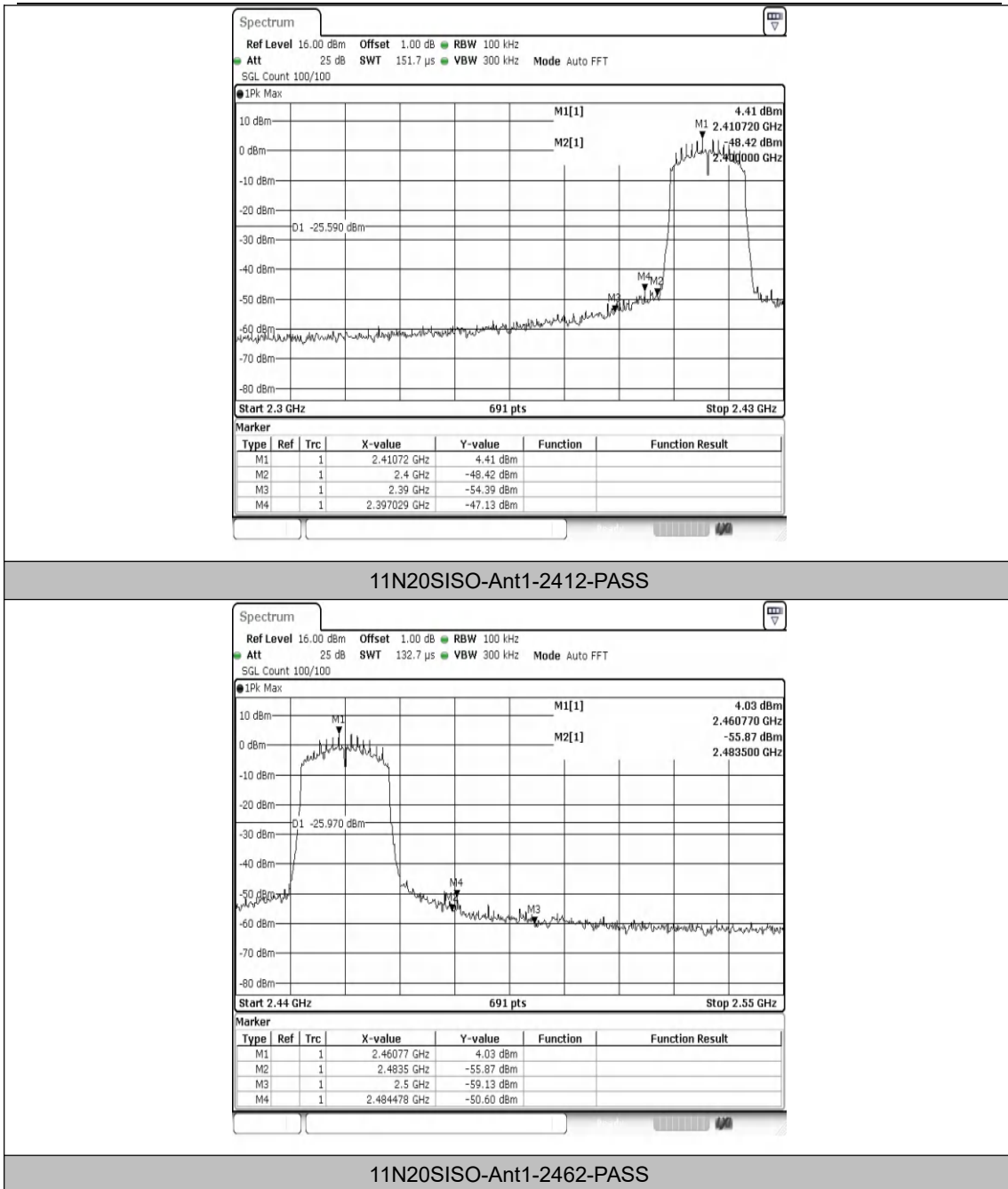
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.40	-41.94	≤-25.6	PASS
11B	Ant1	High	2462	2.86	-54.71	≤-27.14	PASS
11G	Ant1	Low	2412	4.32	-48.39	≤-25.68	PASS
11G	Ant1	High	2462	3.63	-54.37	≤-26.37	PASS
11N20SISO	Ant1	Low	2412	4.41	-47.13	≤-25.59	PASS
11N20SISO	Ant1	High	2462	4.03	-50.6	≤-25.97	PASS
11N40SISO	Ant1	Low	2422	1.33	-47.16	≤-28.67	PASS
11N40SISO	Ant1	High	2452	1.03	-47.87	≤-28.97	PASS

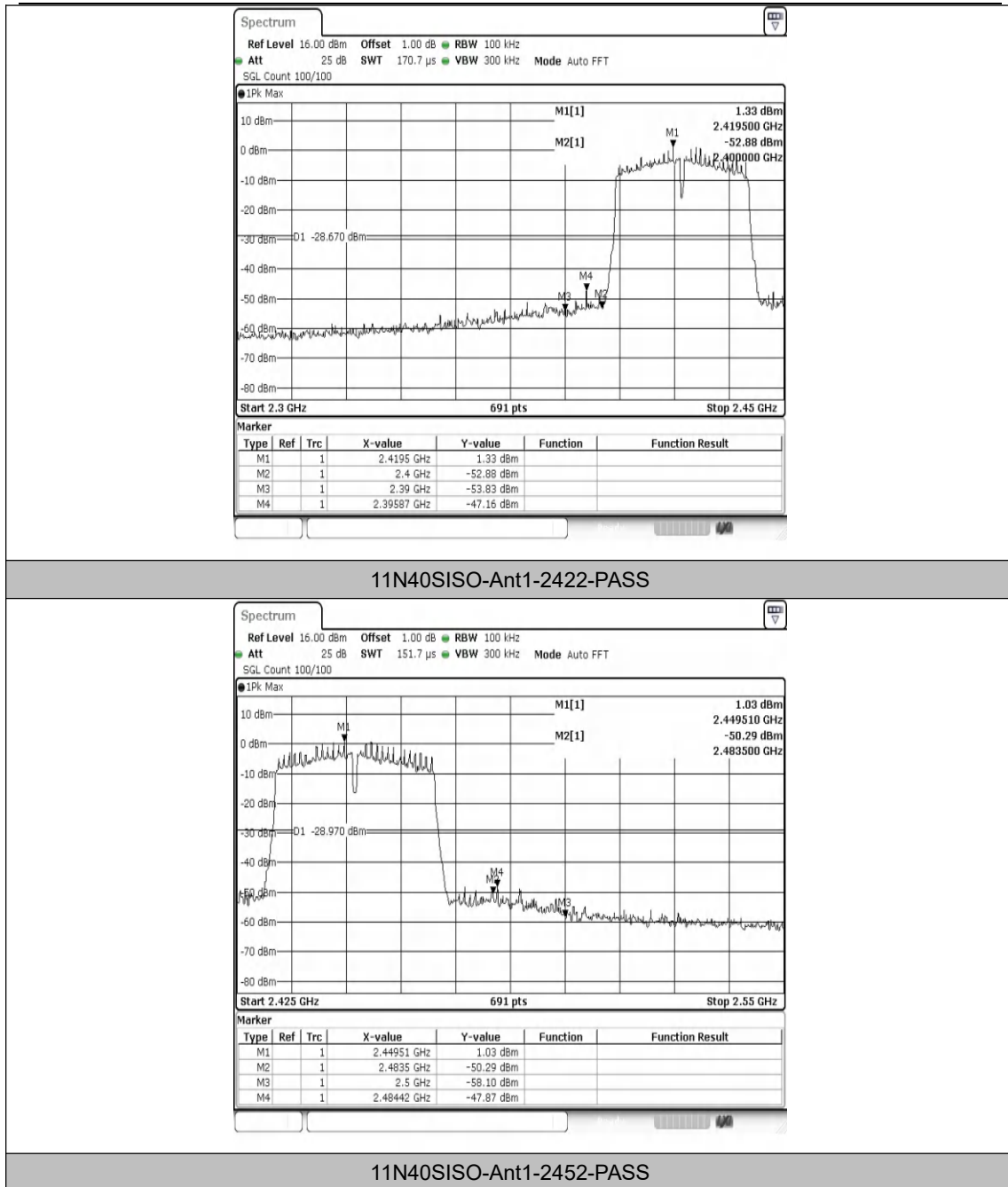
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs









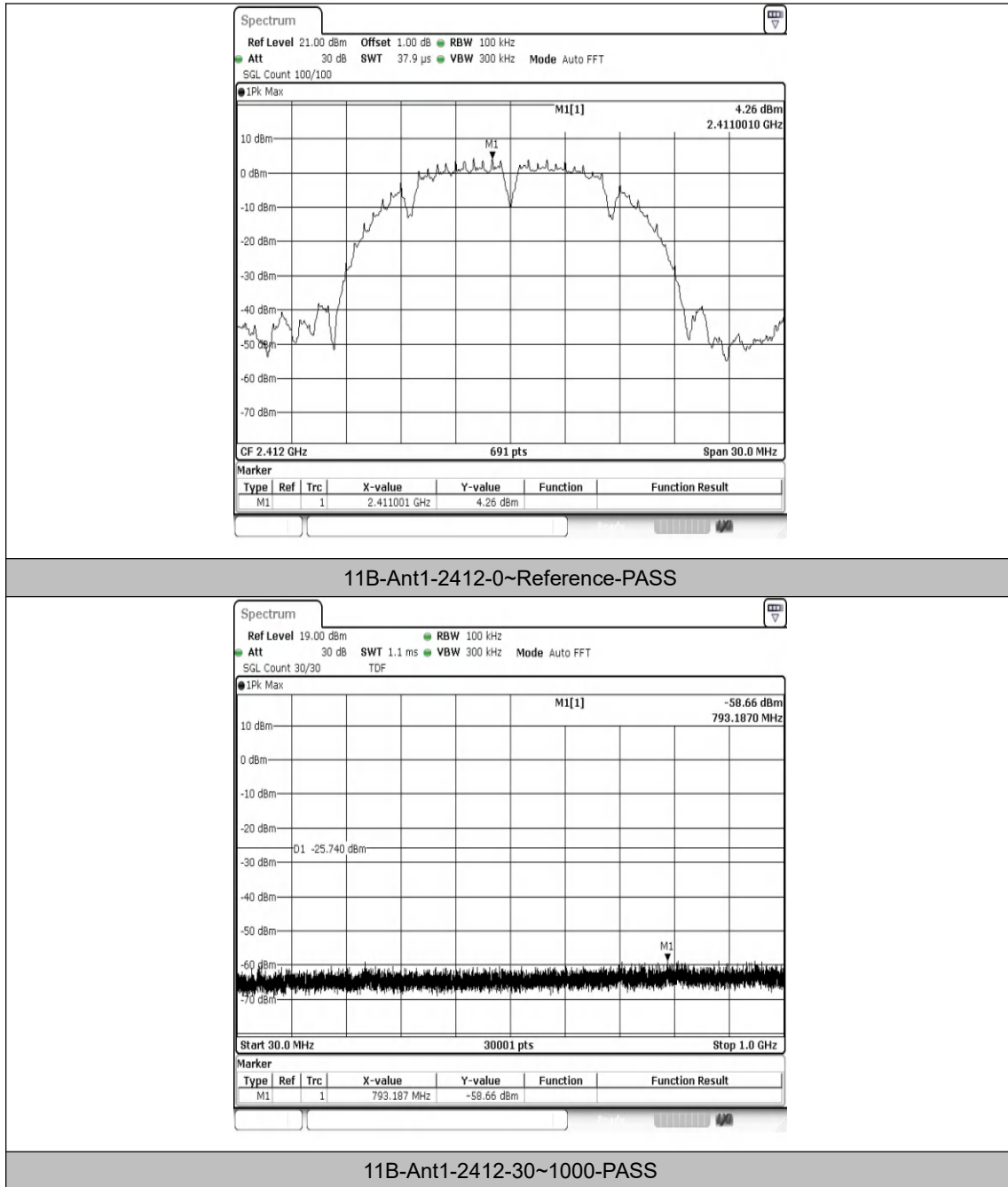
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.26	4.26	---	PASS
11B	Ant1	2412	30~1000	4.26	-58.66	≤-25.74	PASS
11B	Ant1	2412	1000~26500	4.26	-44.53	≤-25.74	PASS
11B	Ant1	2437	0~Reference	4.20	4.20	---	PASS
11B	Ant1	2437	30~1000	4.20	-58.41	≤-25.8	PASS
11B	Ant1	2437	1000~26500	4.20	-43.5	≤-25.8	PASS
11B	Ant1	2462	0~Reference	3.31	3.31	---	PASS
11B	Ant1	2462	30~1000	3.31	-58.68	≤-26.69	PASS
11B	Ant1	2462	1000~26500	3.31	-44.26	≤-26.69	PASS
11G	Ant1	2412	0~Reference	4.31	4.31	---	PASS
11G	Ant1	2412	30~1000	4.31	-57.27	≤-25.69	PASS
11G	Ant1	2412	1000~26500	4.31	-43.74	≤-25.69	PASS
11G	Ant1	2437	0~Reference	4.41	4.41	---	PASS
11G	Ant1	2437	30~1000	4.41	-58.35	≤-25.59	PASS
11G	Ant1	2437	1000~26500	4.41	-44.31	≤-25.59	PASS
11G	Ant1	2462	0~Reference	3.68	3.68	---	PASS
11G	Ant1	2462	30~1000	3.68	-57.56	≤-26.32	PASS
11G	Ant1	2462	1000~26500	3.68	-43.65	≤-26.32	PASS
11N20SISO	Ant1	2412	0~Reference	4.35	4.35	---	PASS
11N20SISO	Ant1	2412	30~1000	4.35	-58.34	≤-25.65	PASS
11N20SISO	Ant1	2412	1000~26500	4.35	-44.13	≤-25.65	PASS
11N20SISO	Ant1	2437	0~Reference	4.43	4.43	---	PASS
11N20SISO	Ant1	2437	30~1000	4.43	-58.47	≤-25.57	PASS
11N20SISO	Ant1	2437	1000~26500	4.43	-43.15	≤-25.57	PASS
11N20SISO	Ant1	2462	0~Reference	3.58	3.58	---	PASS
11N20SISO	Ant1	2462	30~1000	3.58	-58.13	≤-26.42	PASS
11N20SISO	Ant1	2462	1000~26500	3.58	-44.44	≤-26.42	PASS
11N40SISO	Ant1	2422	0~Reference	1.22	1.22	---	PASS
11N40SISO	Ant1	2422	30~1000	1.22	-58.96	≤-28.78	PASS
11N40SISO	Ant1	2422	1000~26500	1.22	-43.63	≤-28.78	PASS
11N40SISO	Ant1	2437	0~Reference	1.49	1.49	---	PASS
11N40SISO	Ant1	2437	30~1000	1.49	-57.68	≤-28.51	PASS
11N40SISO	Ant1	2437	1000~26500	1.49	-44.44	≤-28.51	PASS
11N40SISO	Ant1	2452	0~Reference	1.09	1.09	---	PASS
11N40SISO	Ant1	2452	30~1000	1.09	-57.19	≤-28.91	PASS
11N40SISO	Ant1	2452	1000~26500	1.09	-44.04	≤-28.91	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.

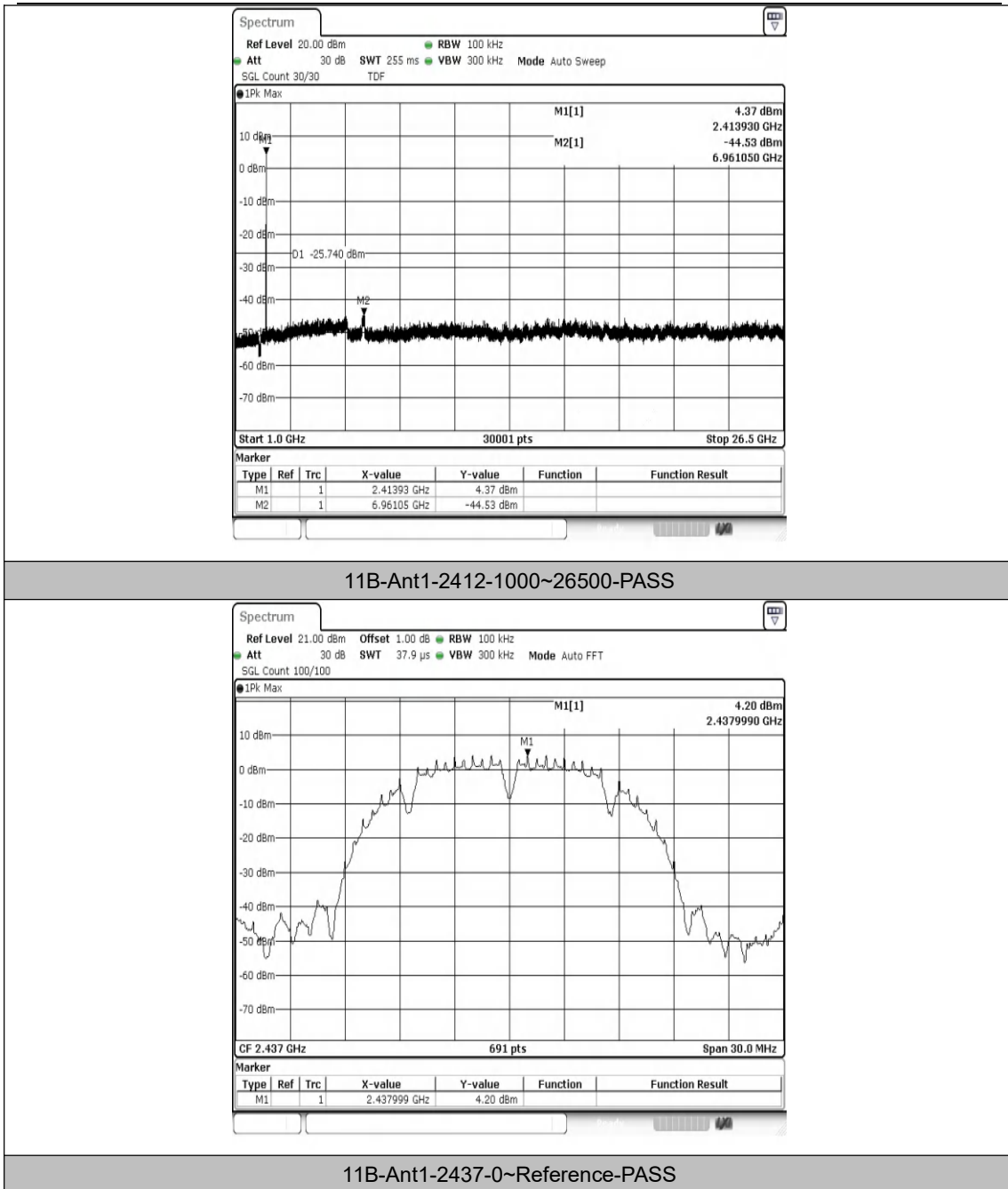
Test Graphs



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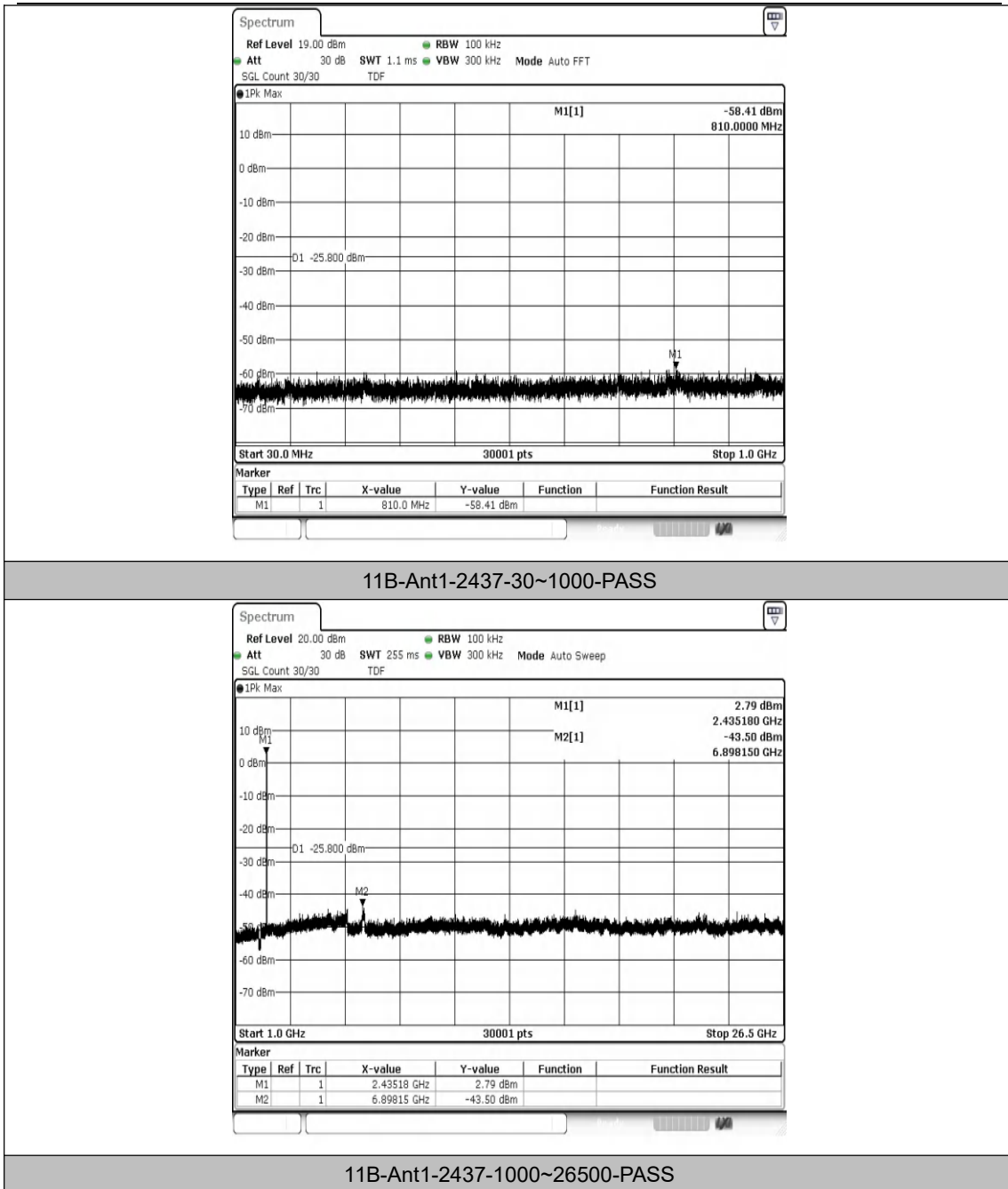
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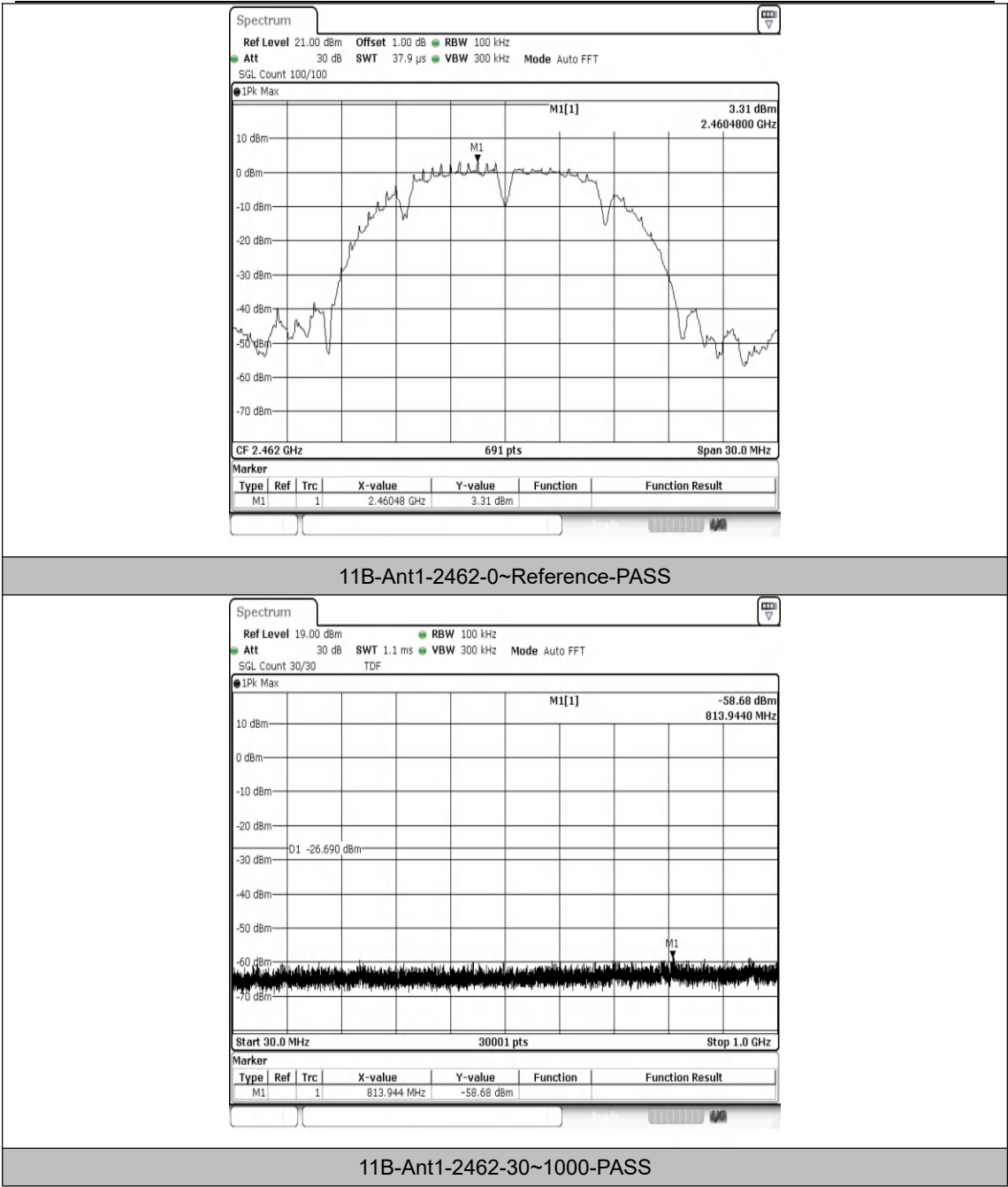
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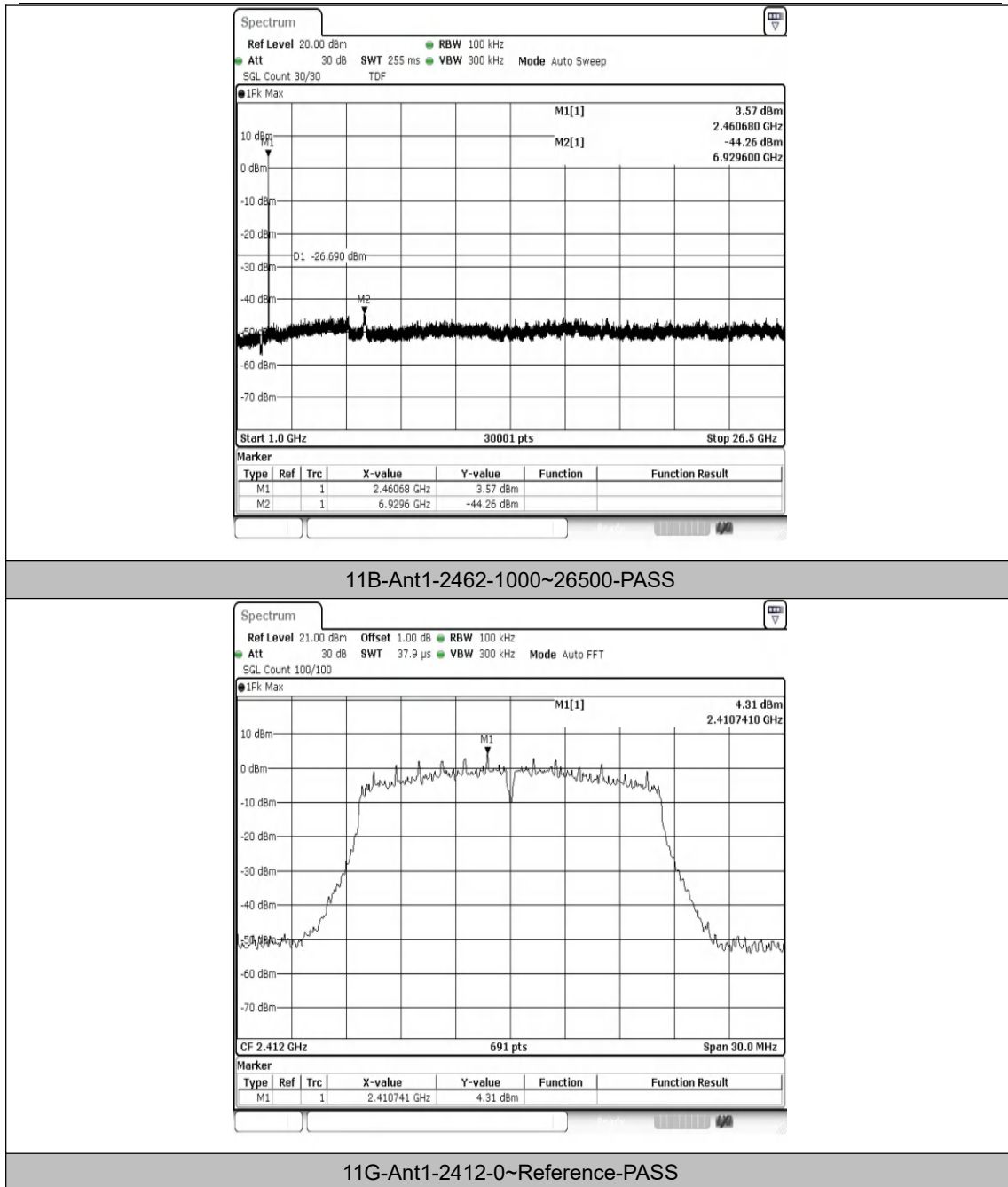


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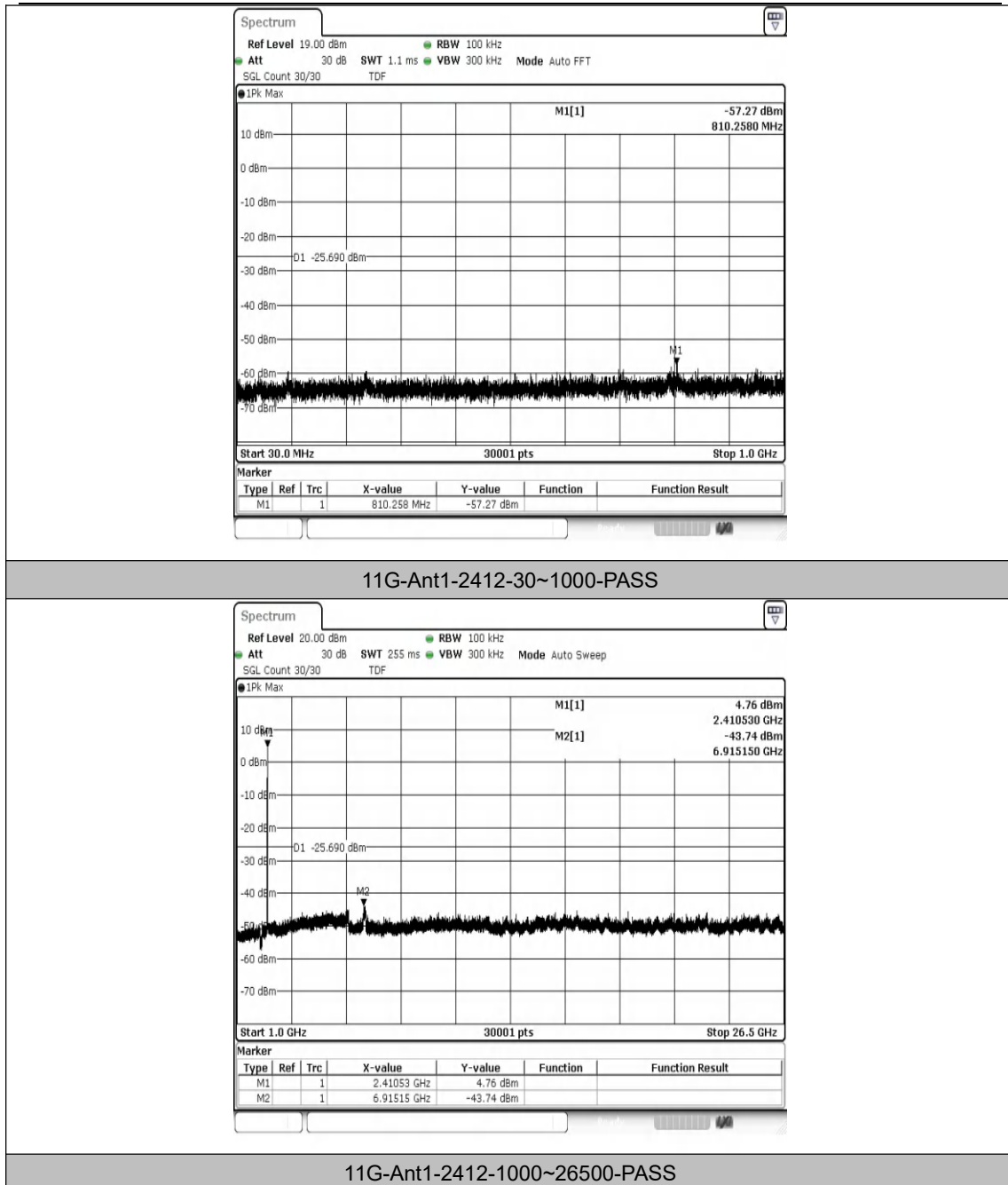




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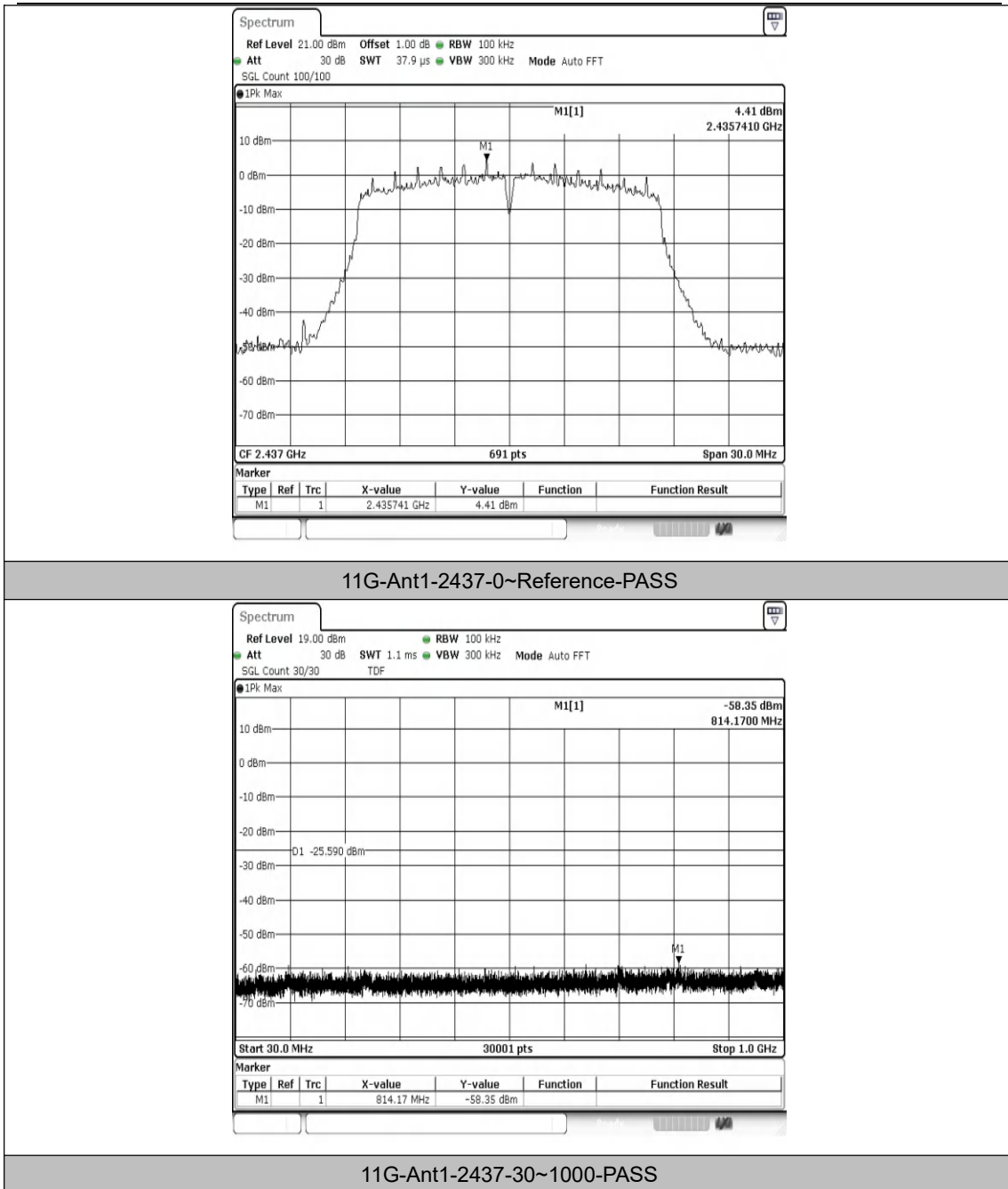
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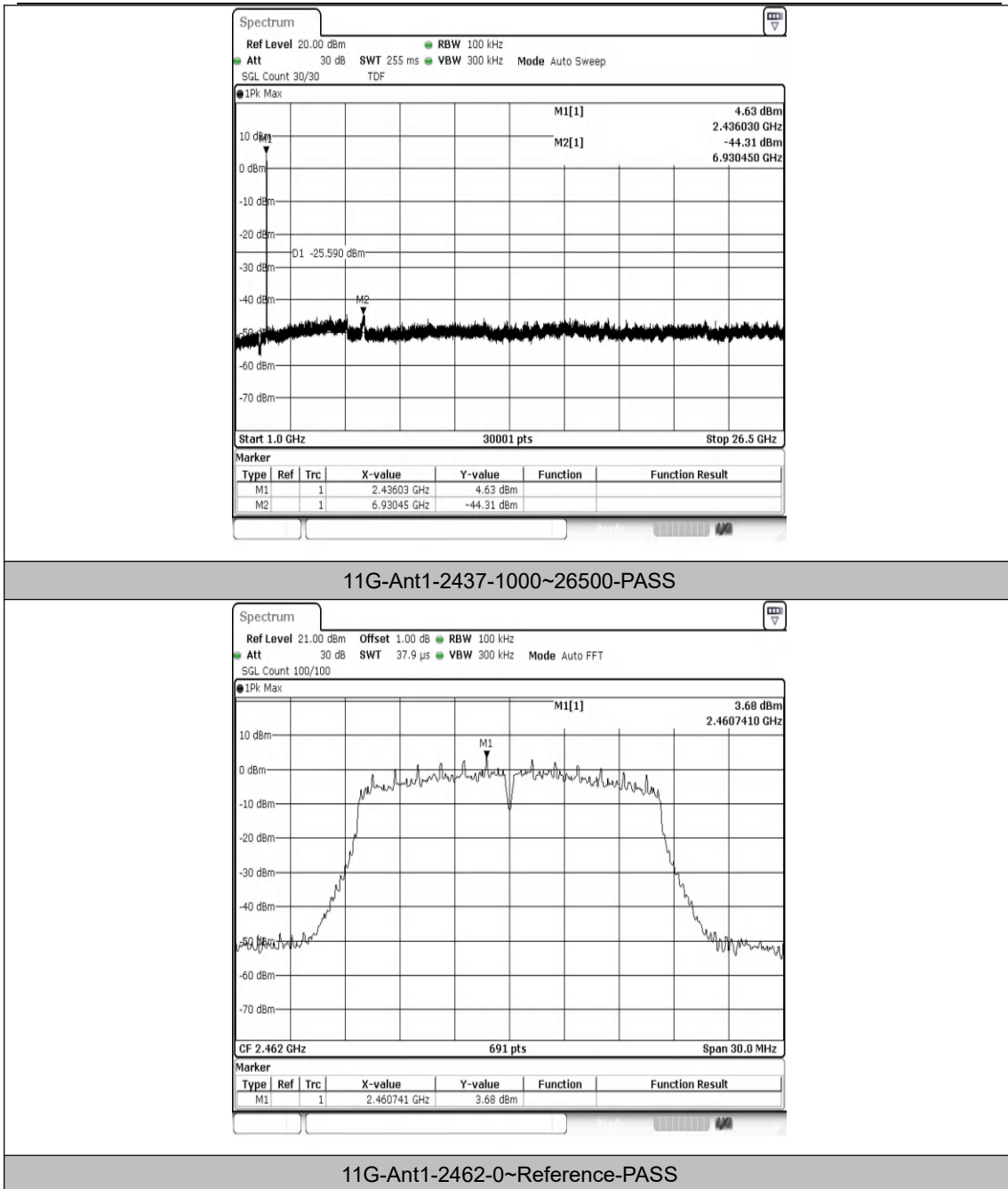
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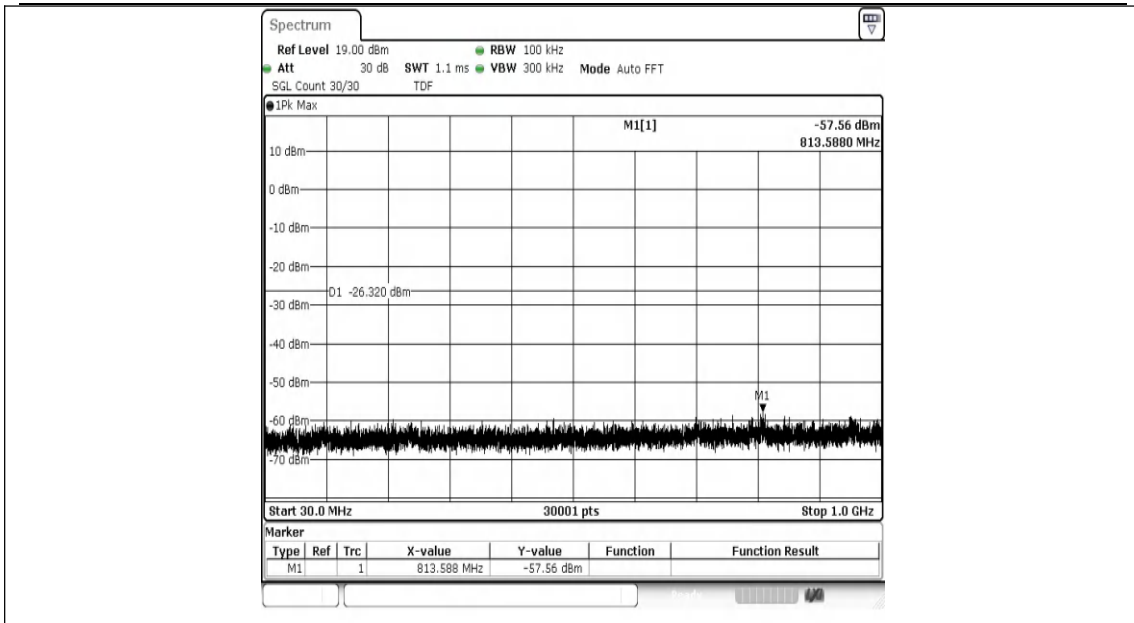
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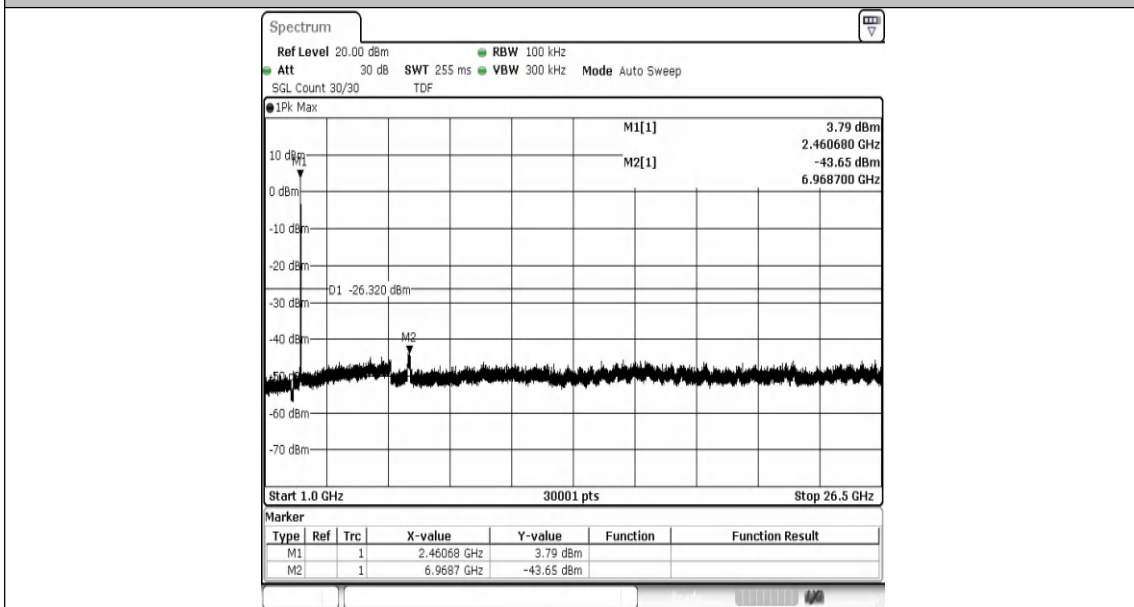
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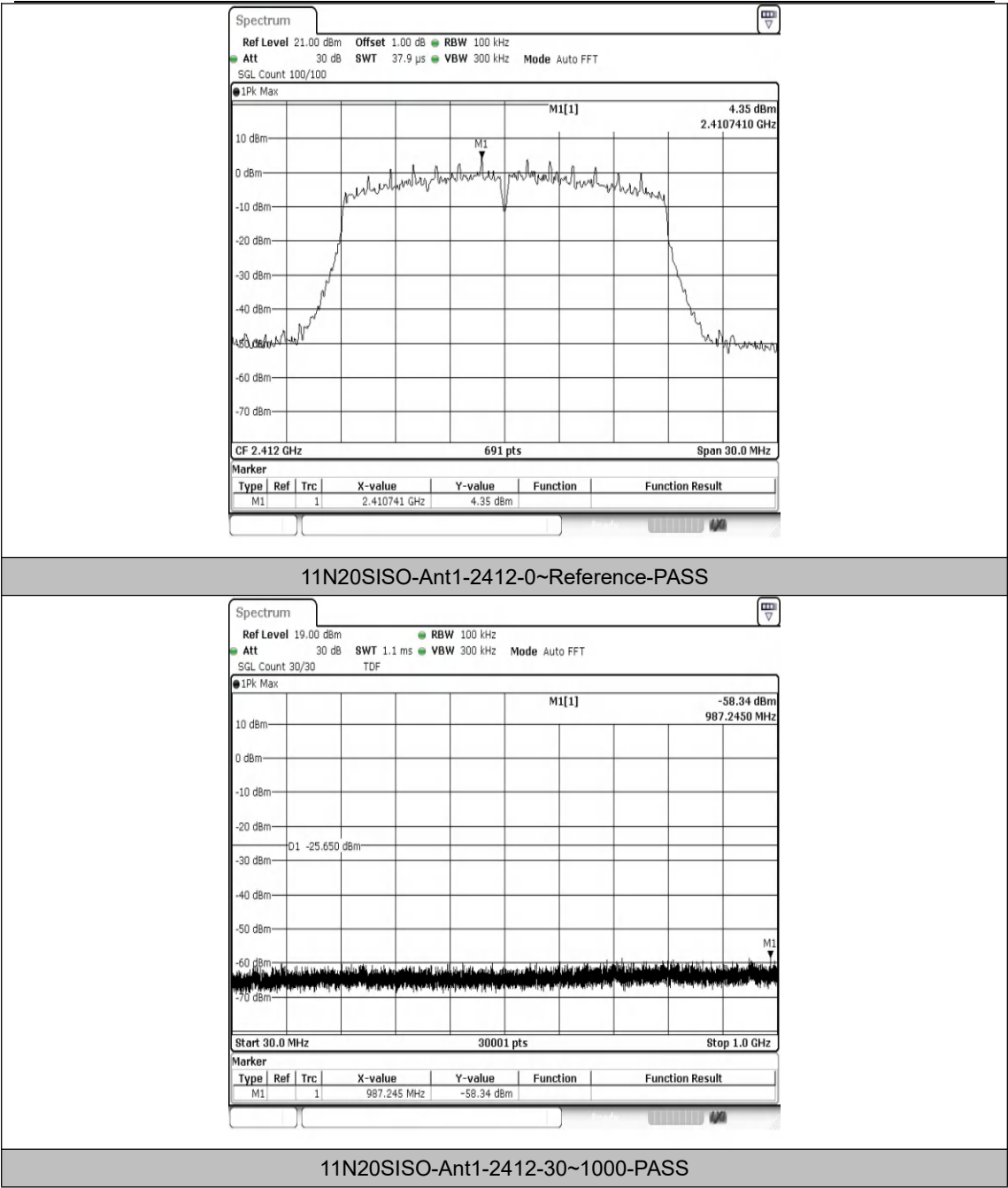
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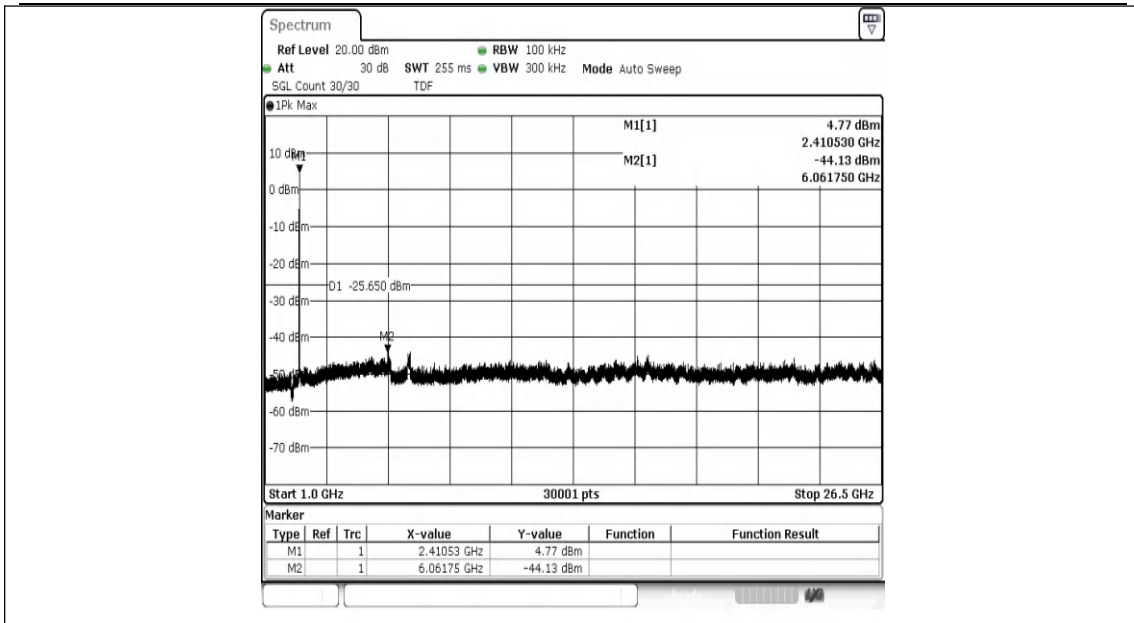


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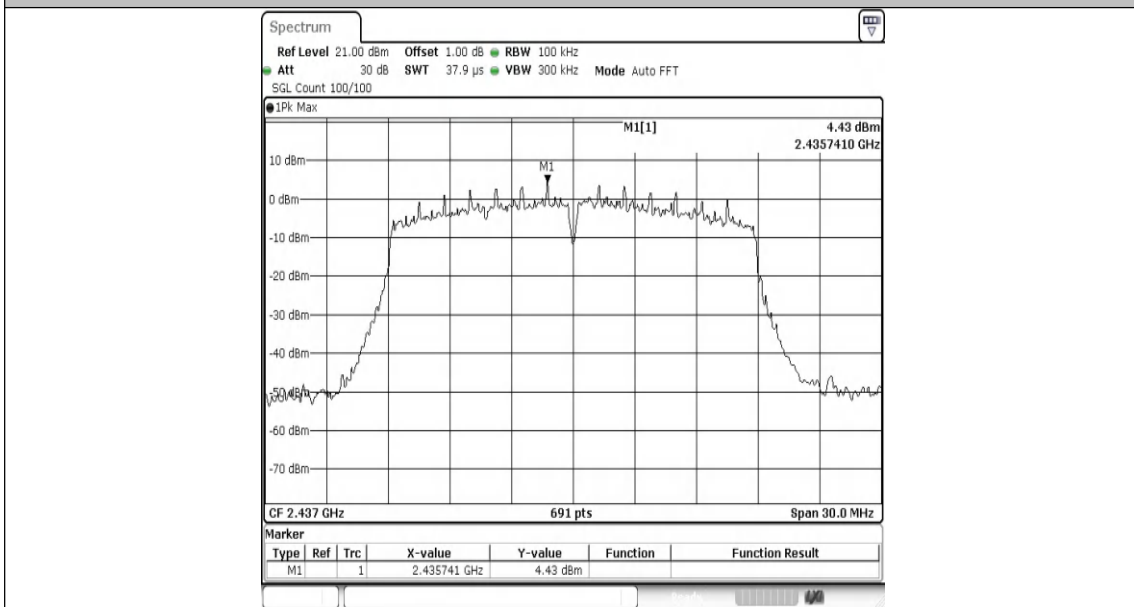


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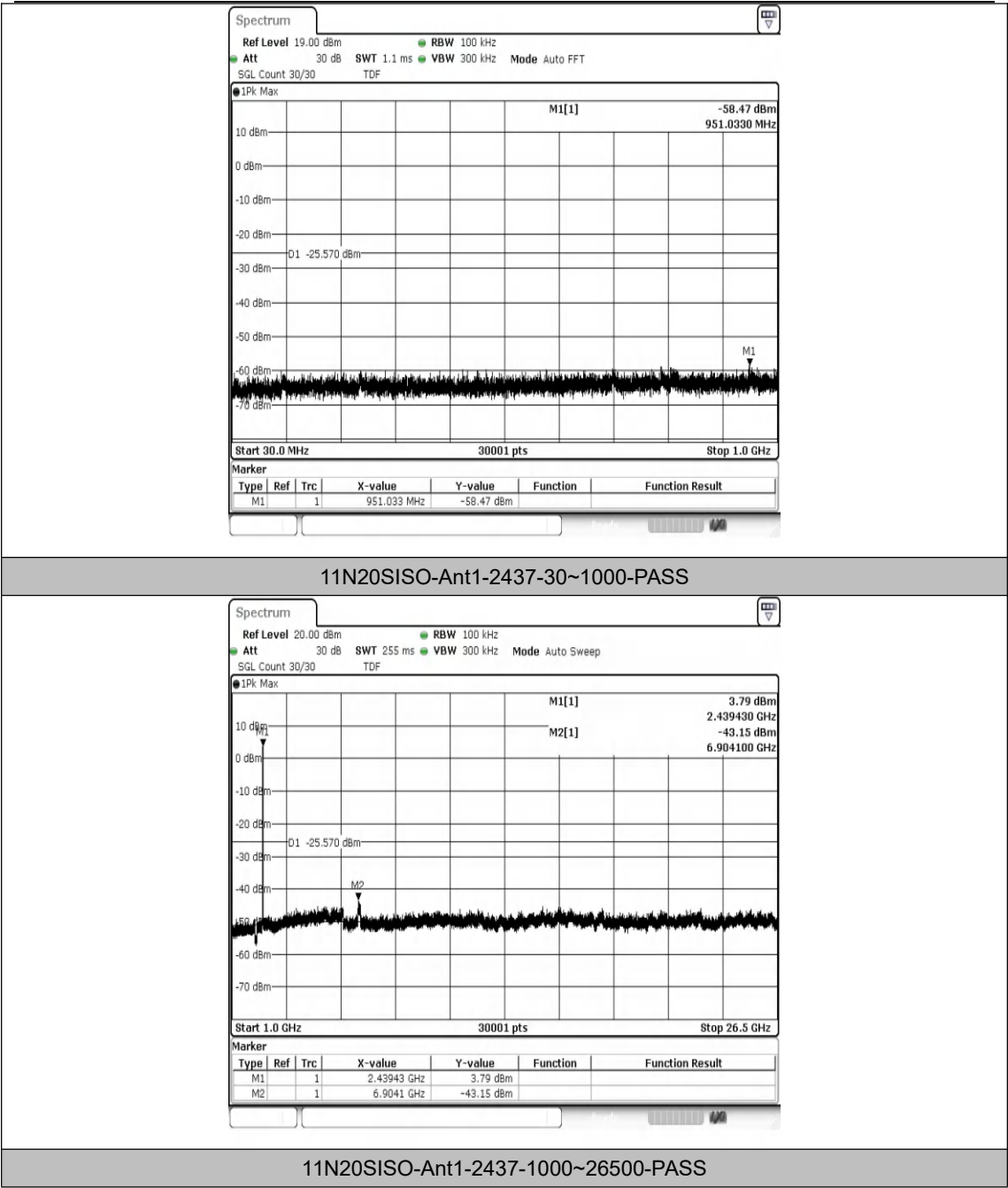


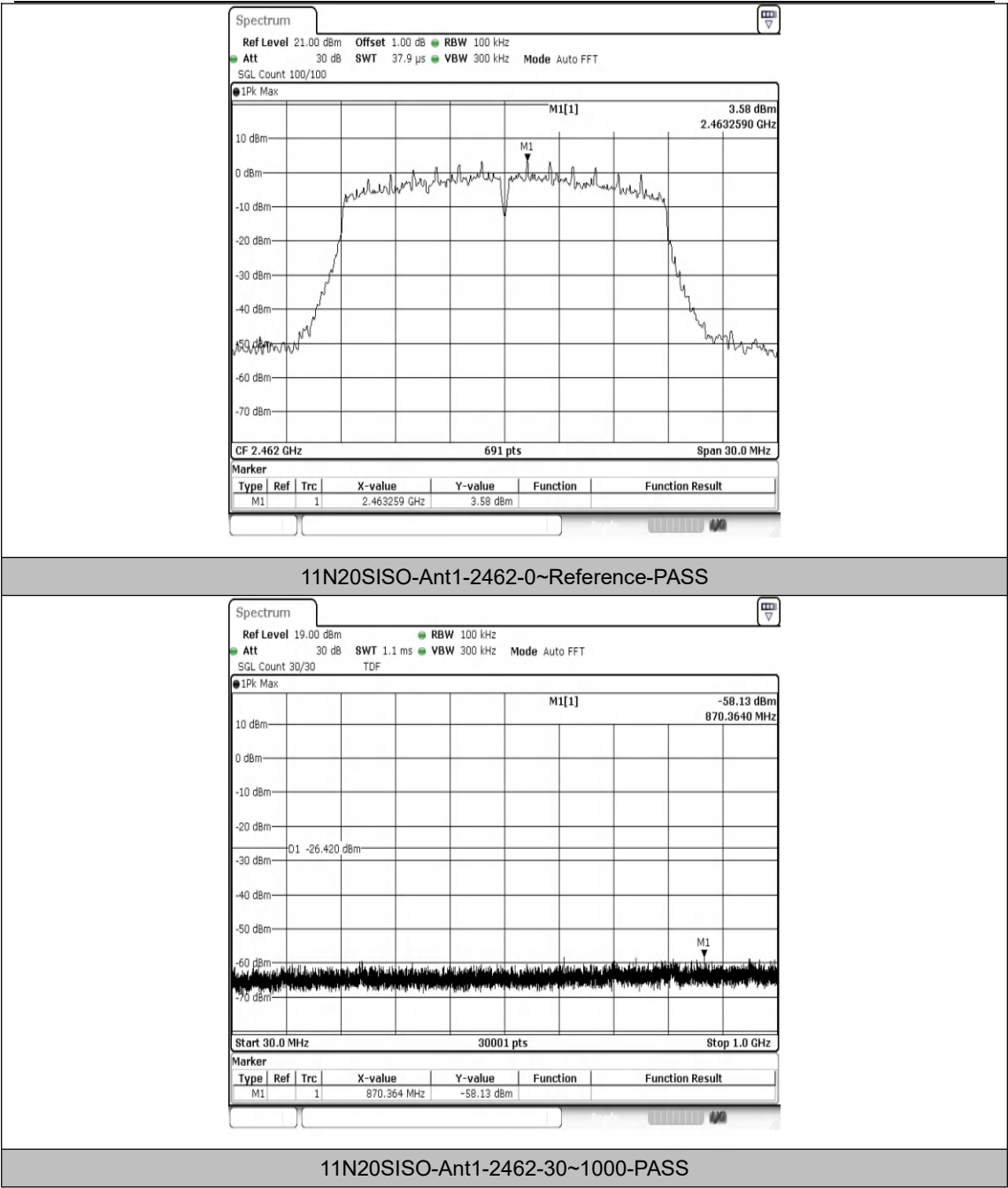


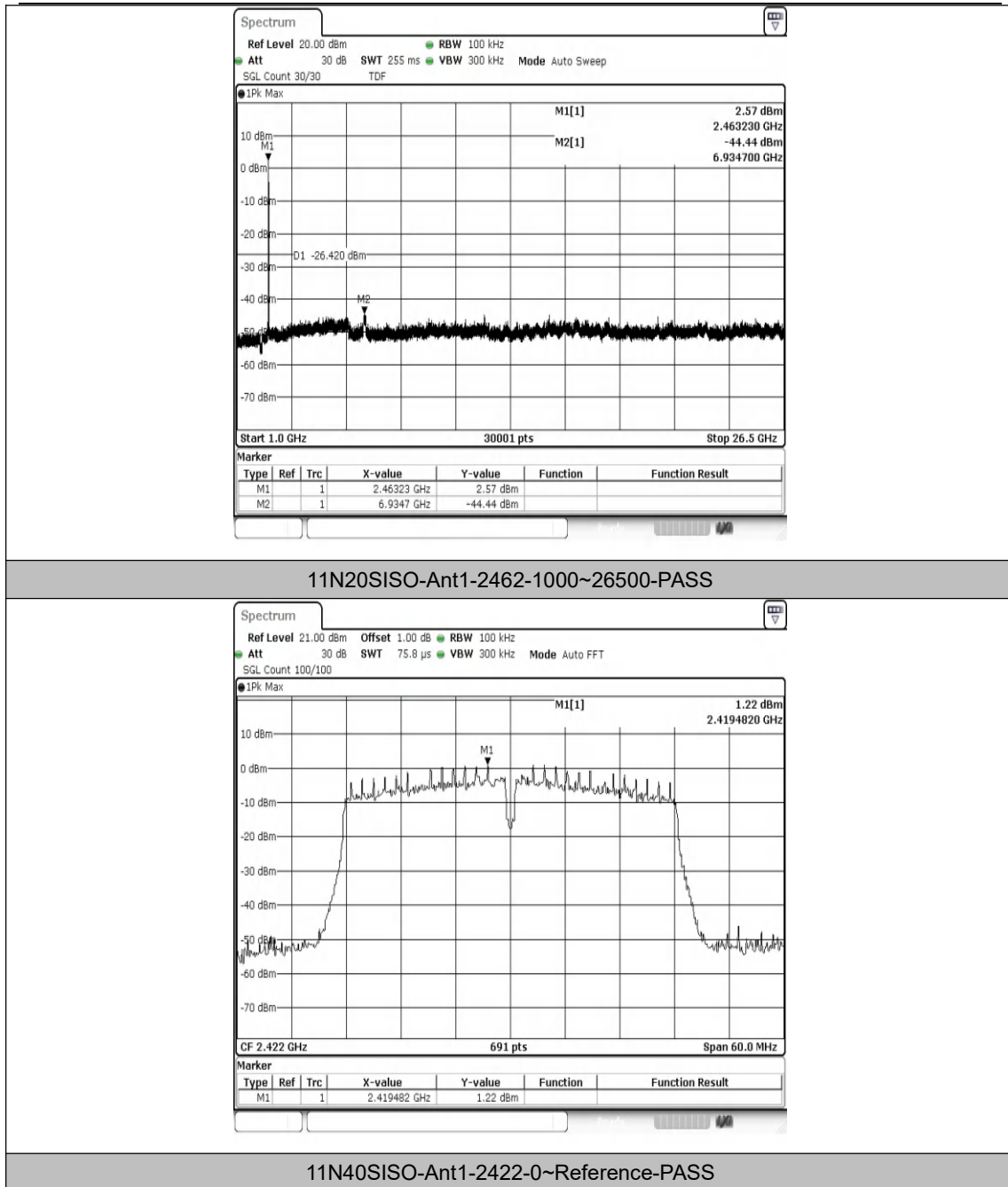
11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant1-2437-0~Reference-PASS



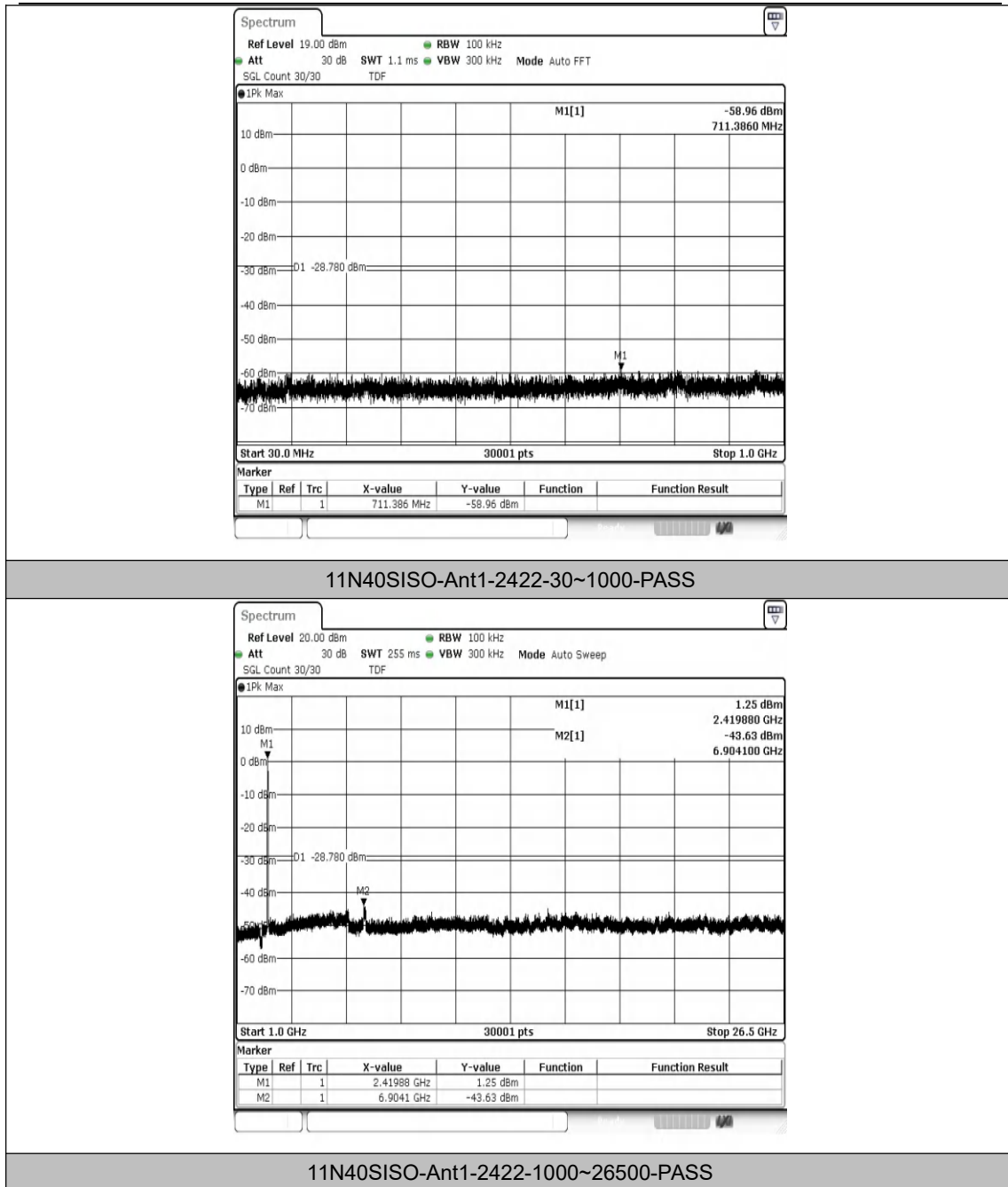




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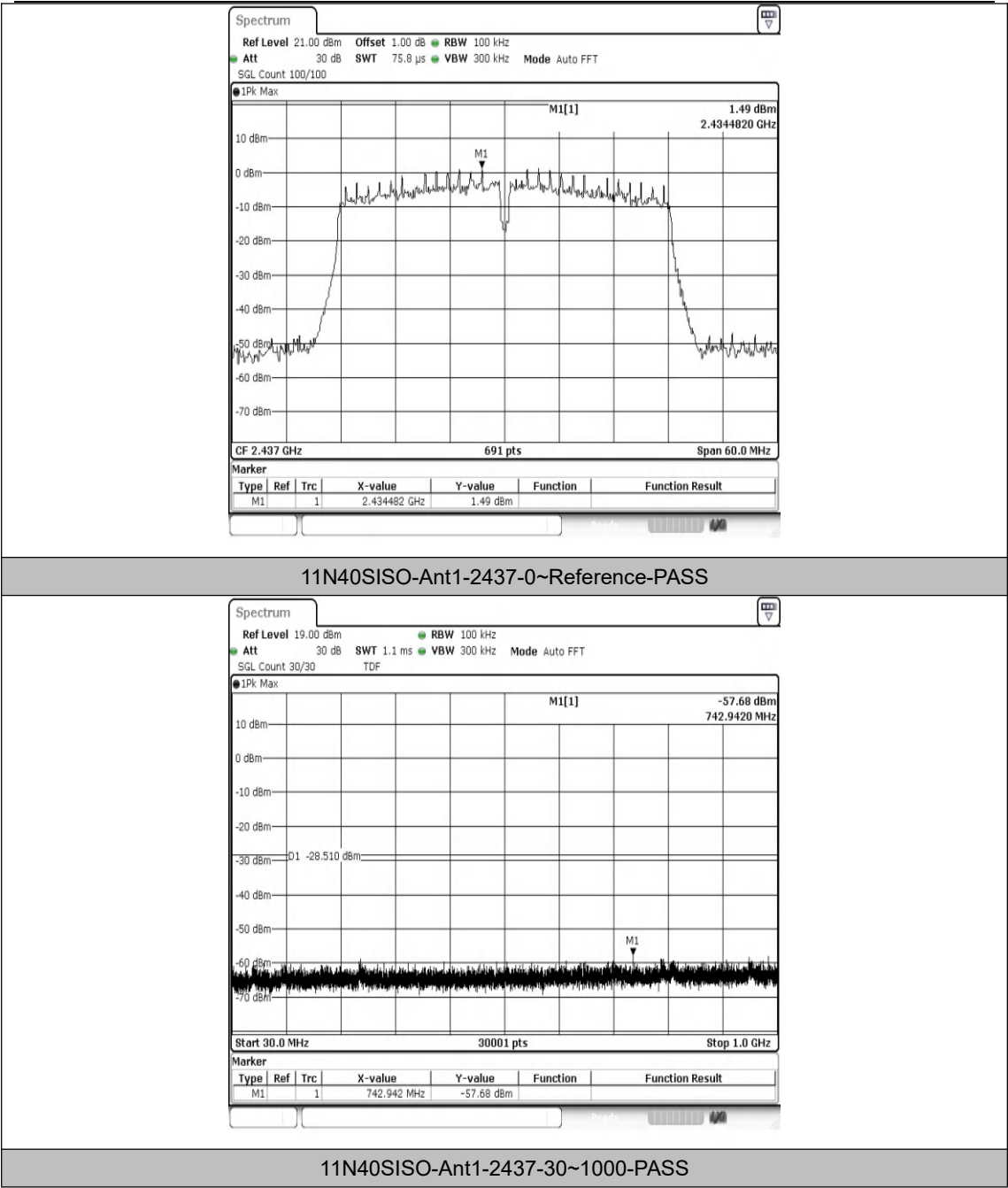
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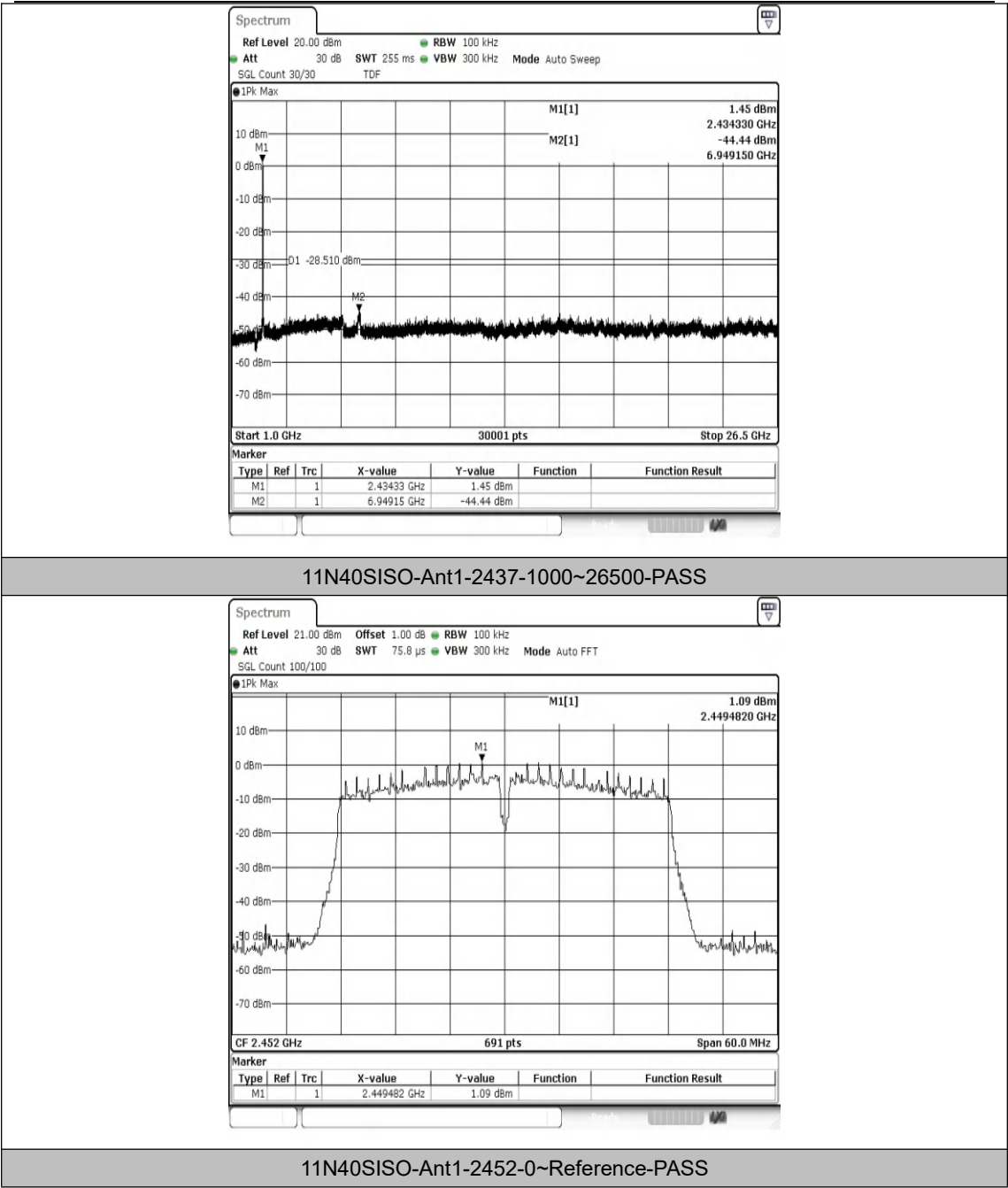


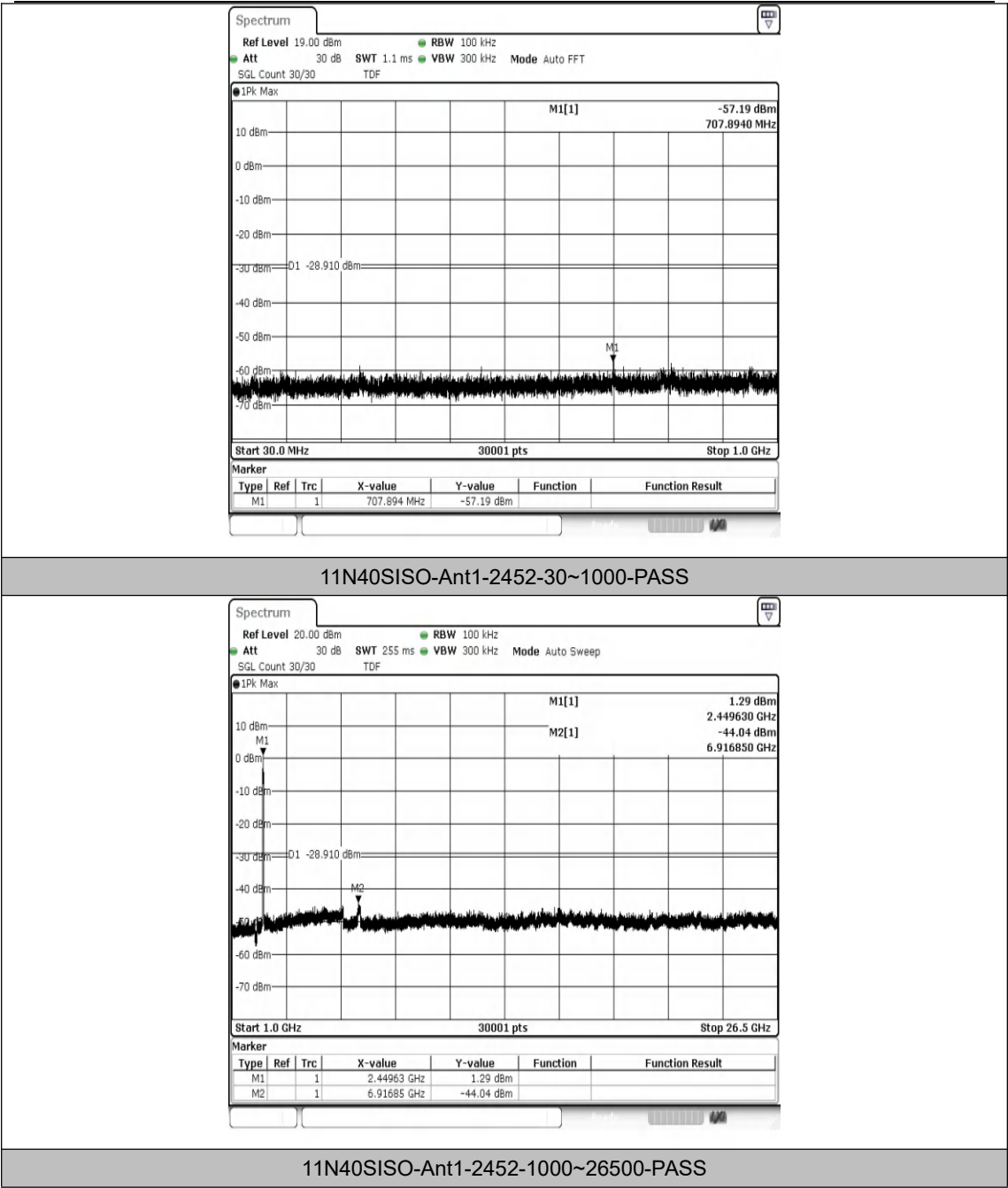
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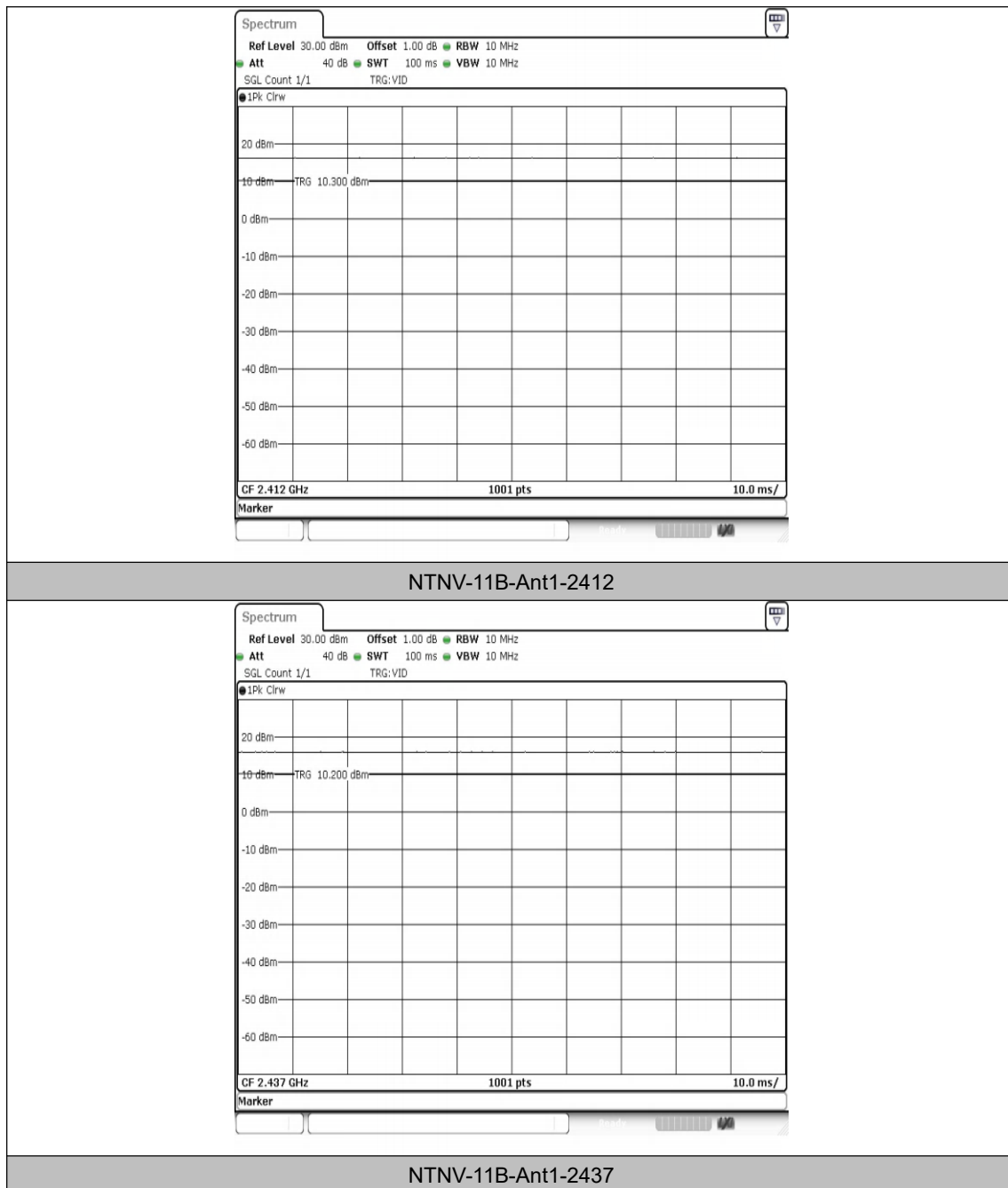


Appendix G: Duty Cycle

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
11N40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2452	100.00	100.00	100.00	0.00

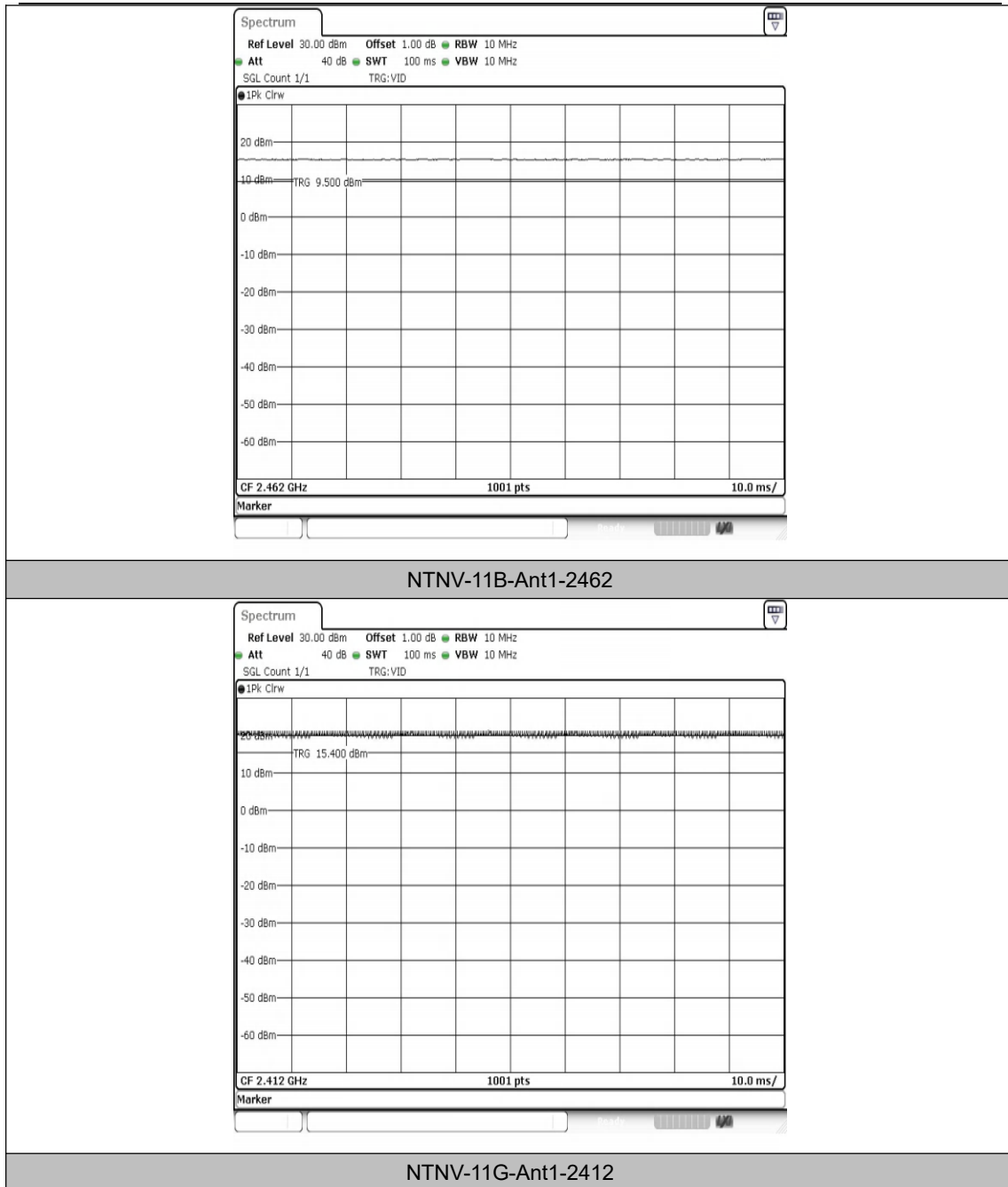
Test Graphs



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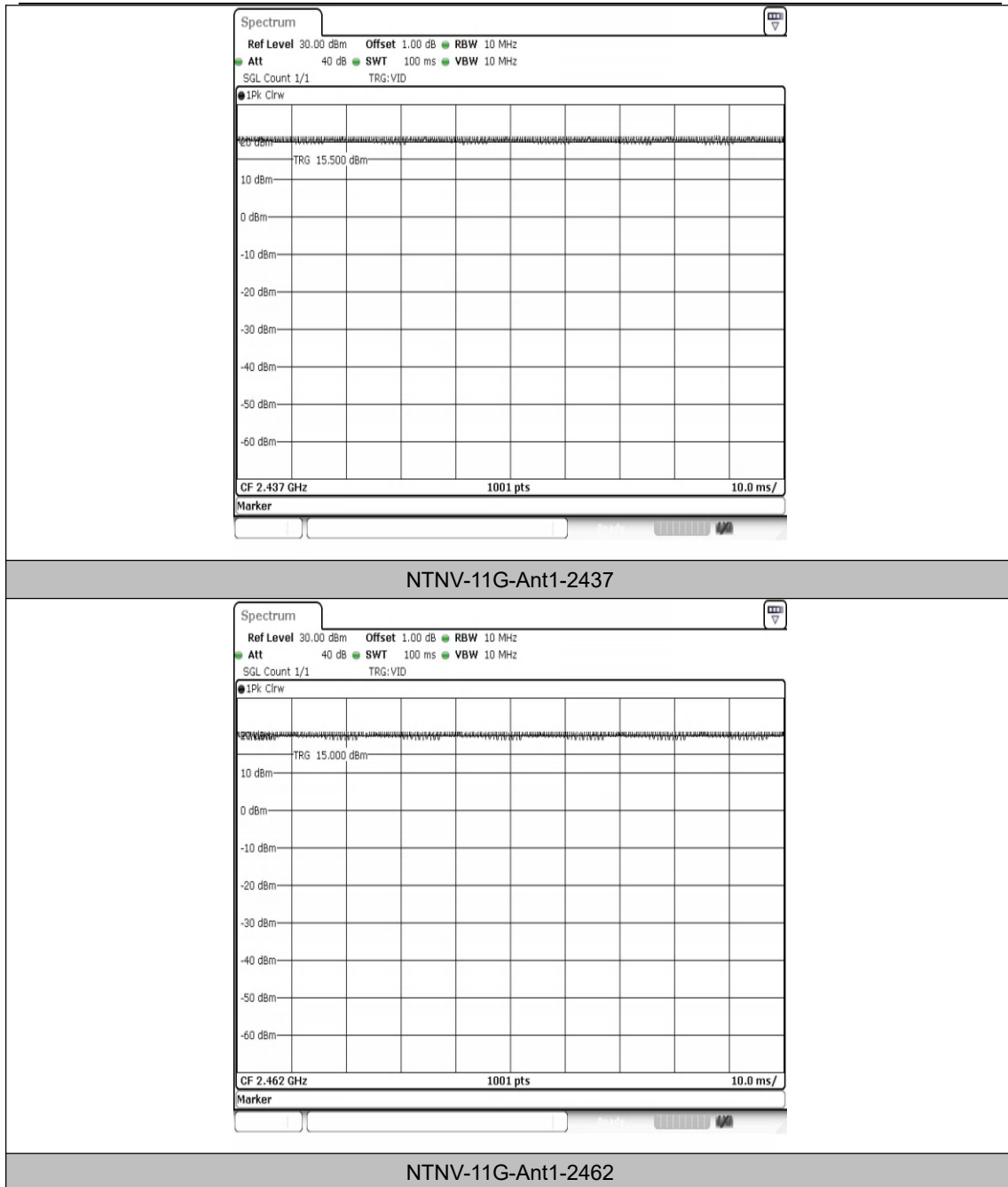
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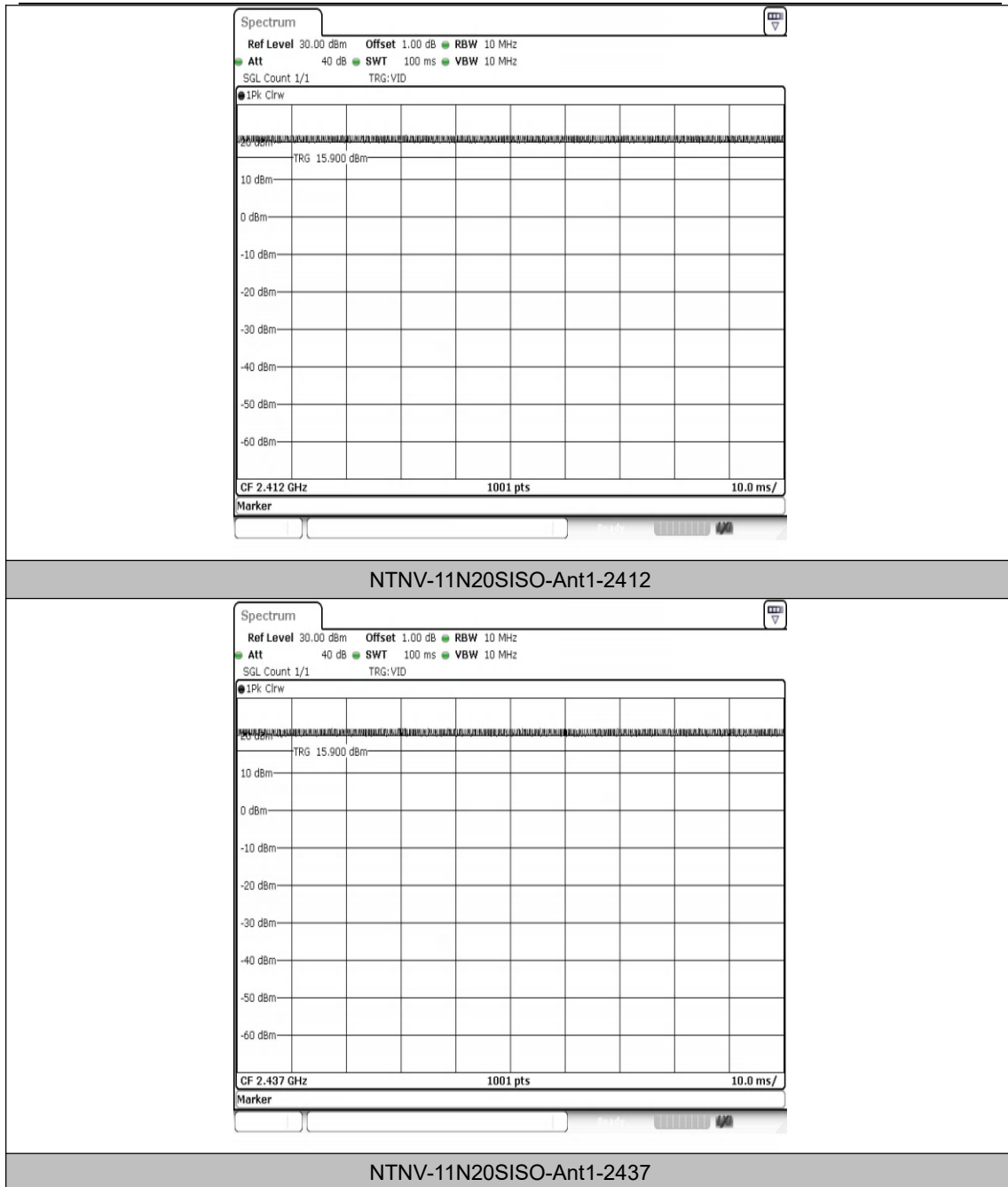
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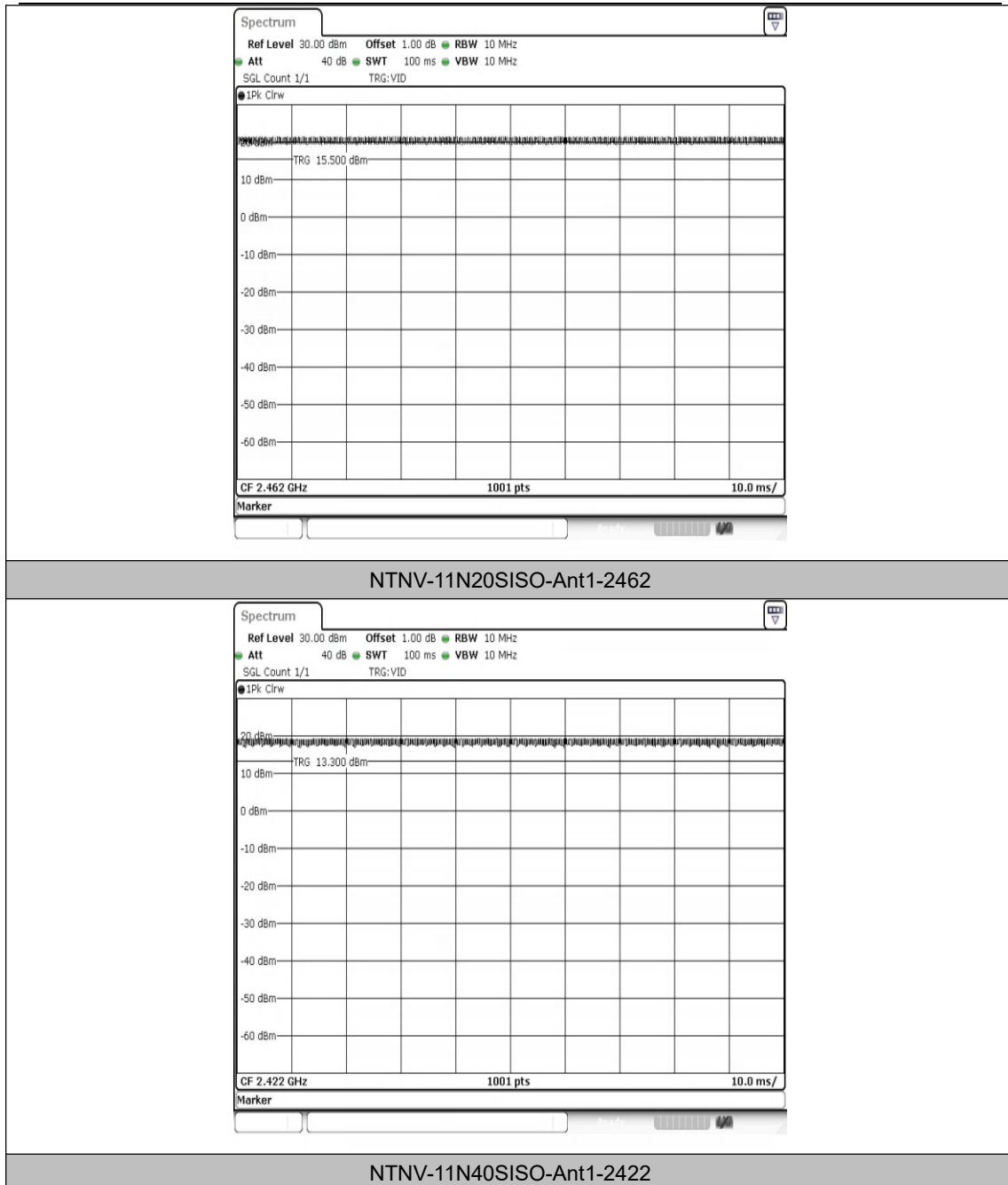
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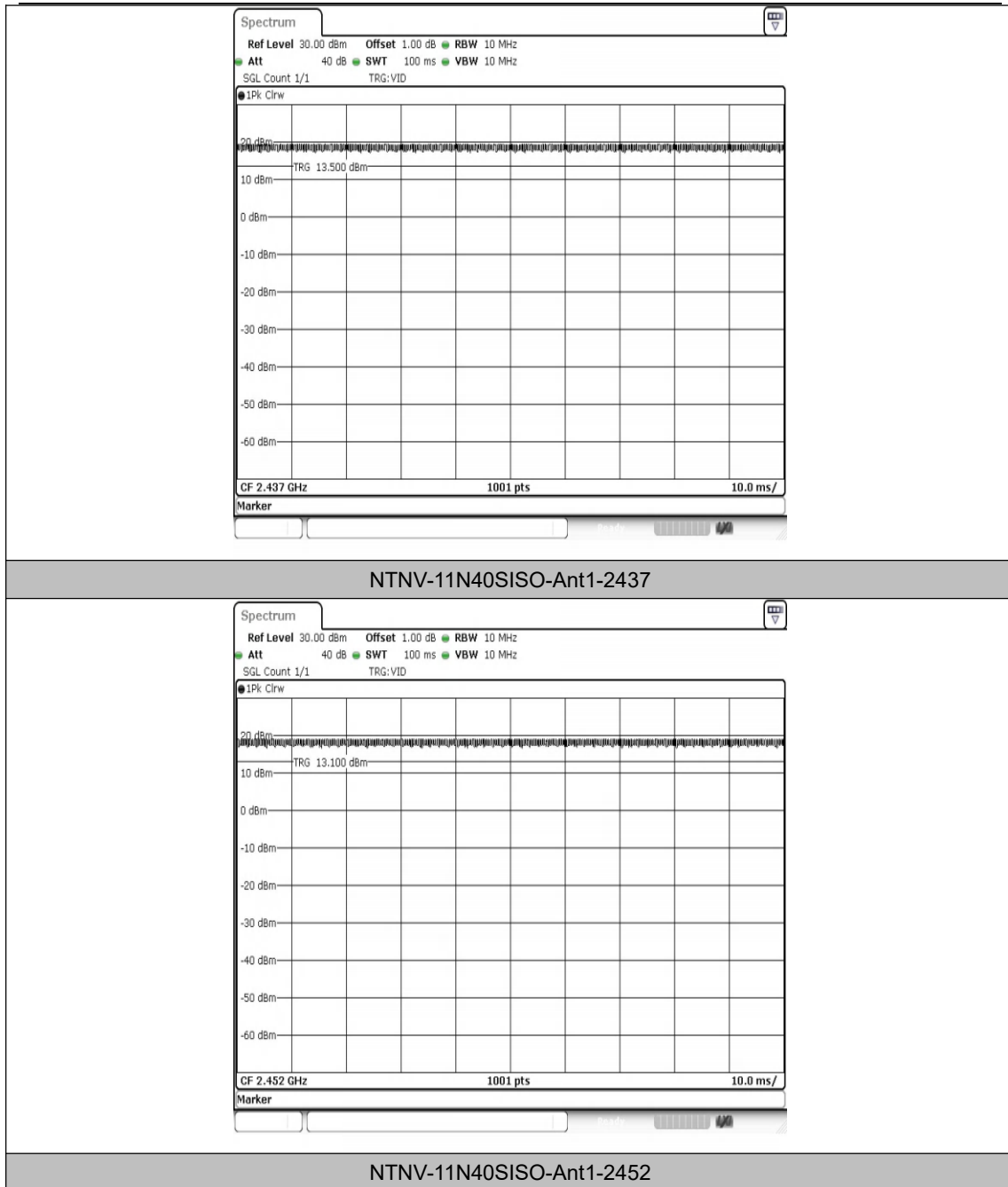
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---End---