

Appendix Test Data

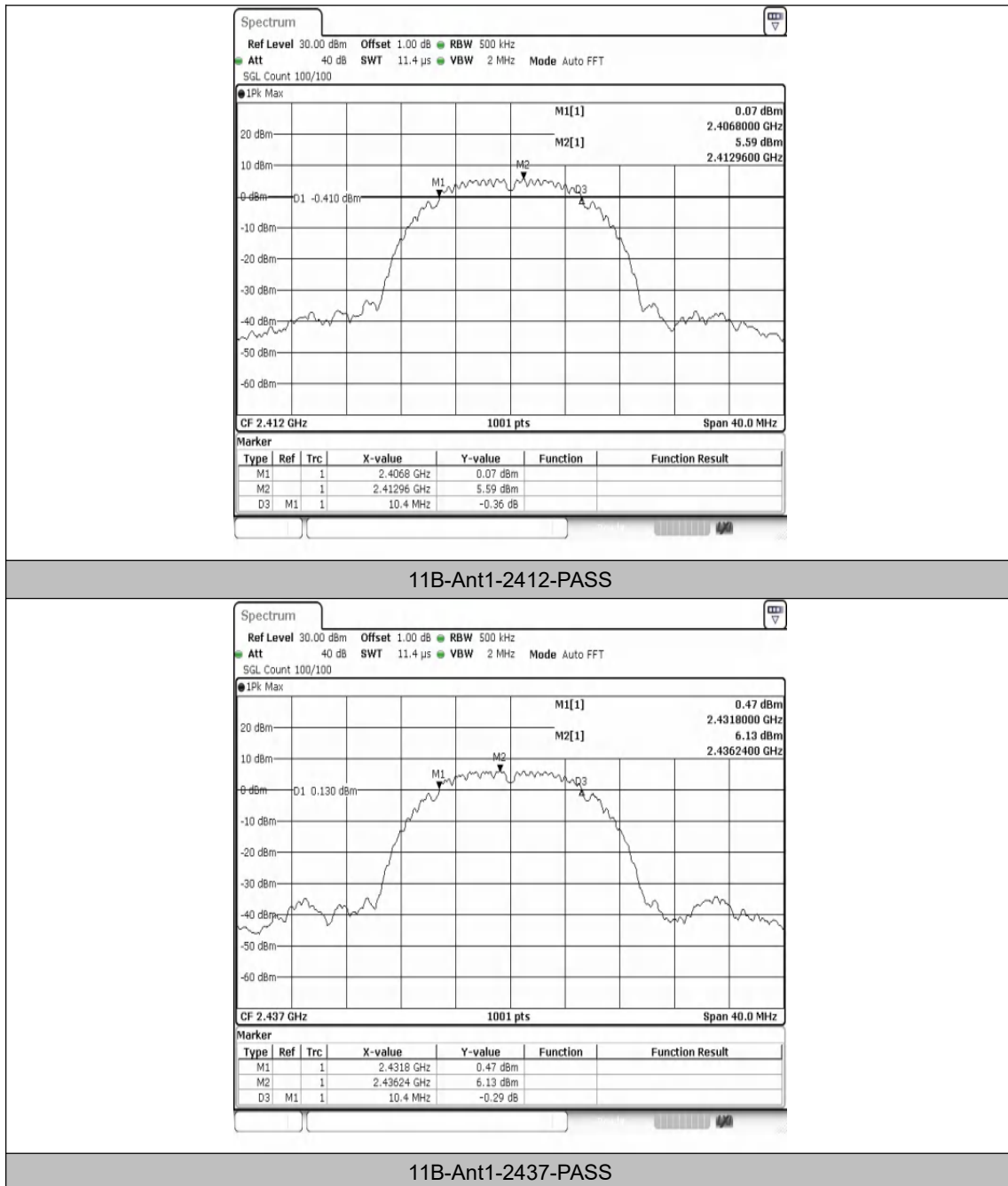
Report No.:	1812C50263412503	Test Sample No.:	1-2-2
Start Test Date:	2025-5-28	Finish Test Date:	2025-6-10
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	27.7°C	Relative Humidity:	53%
Pressure:	101kPa		

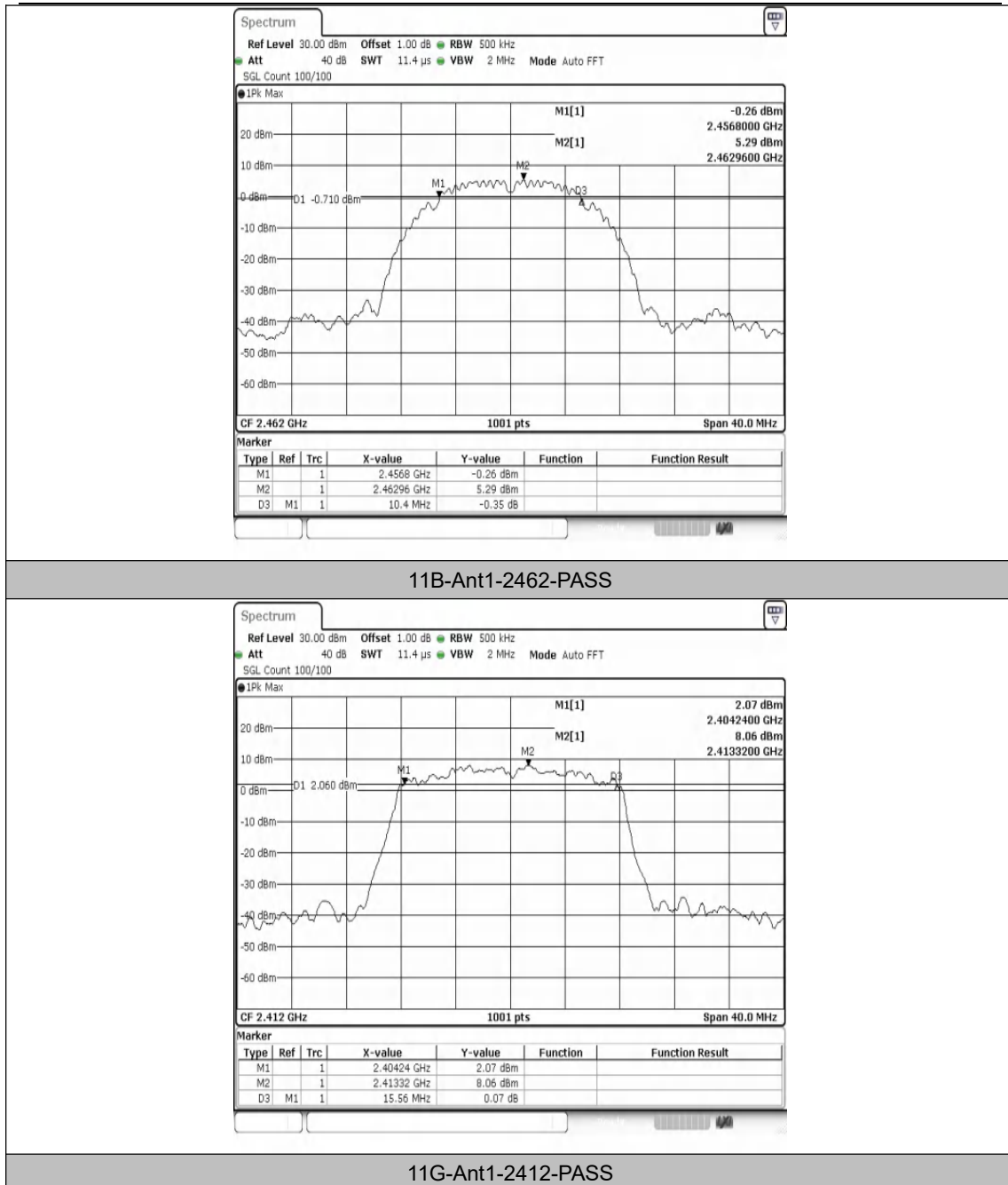
Appendix A: 6dB Bandwidth

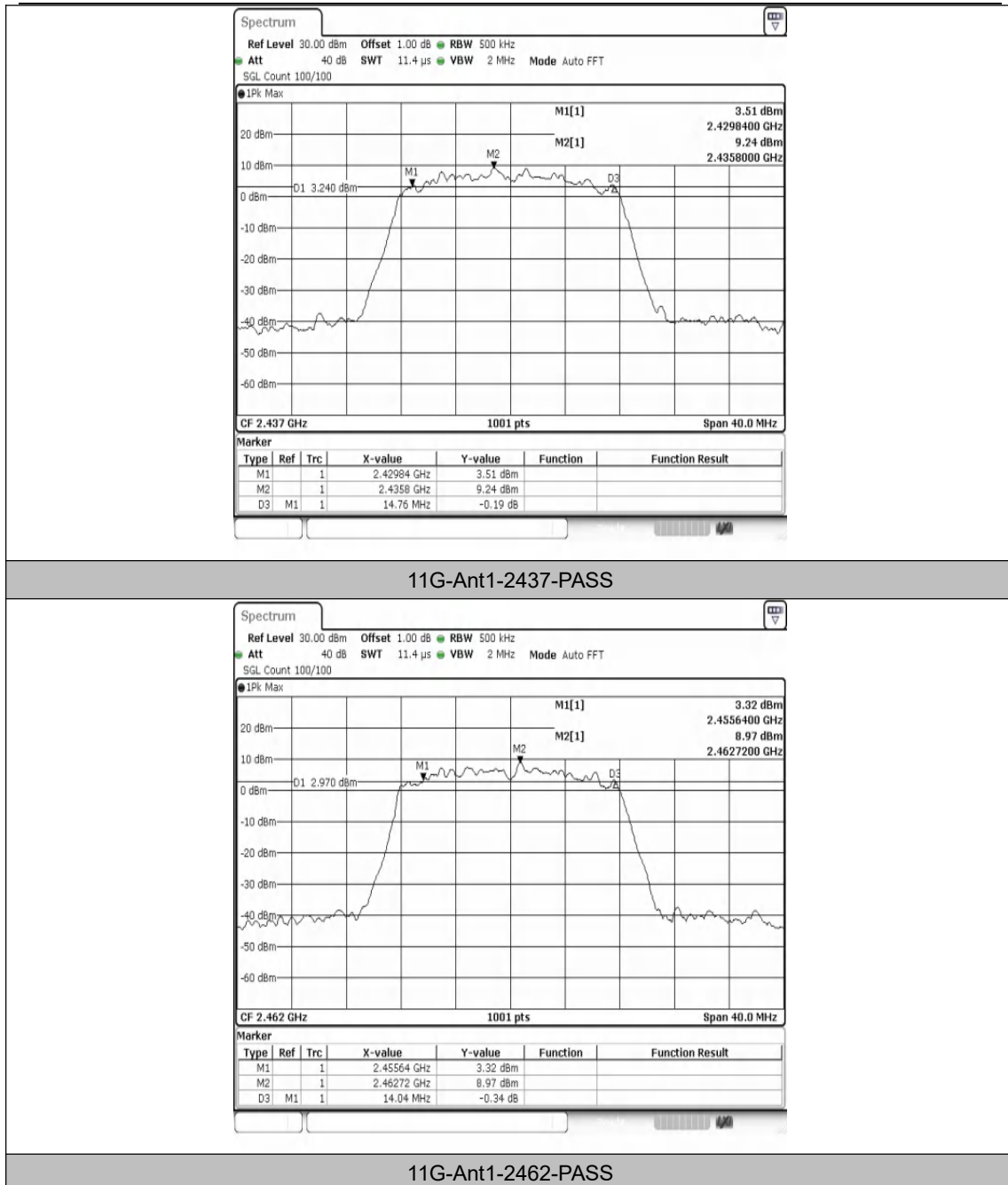
Test Result

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	10.40	2456.80	2467.20	0.5	PASS
11G	Ant1	2412	15.56	2404.24	2419.80	0.5	PASS
11G	Ant1	2437	14.76	2429.84	2444.60	0.5	PASS
11G	Ant1	2462	14.04	2455.64	2469.68	0.5	PASS
11N20SISO	Ant1	2412	16.20	2404.20	2420.40	0.5	PASS
11N20SISO	Ant1	2437	16.28	2428.80	2445.08	0.5	PASS
11N20SISO	Ant1	2462	16.20	2453.84	2470.04	0.5	PASS
11N40SISO	Ant1	2422	34.16	2405.68	2439.84	0.5	PASS
11N40SISO	Ant1	2437	32.88	2420.20	2453.08	0.5	PASS
11N40SISO	Ant1	2452	32.48	2434.96	2467.44	0.5	PASS

Test Graphs



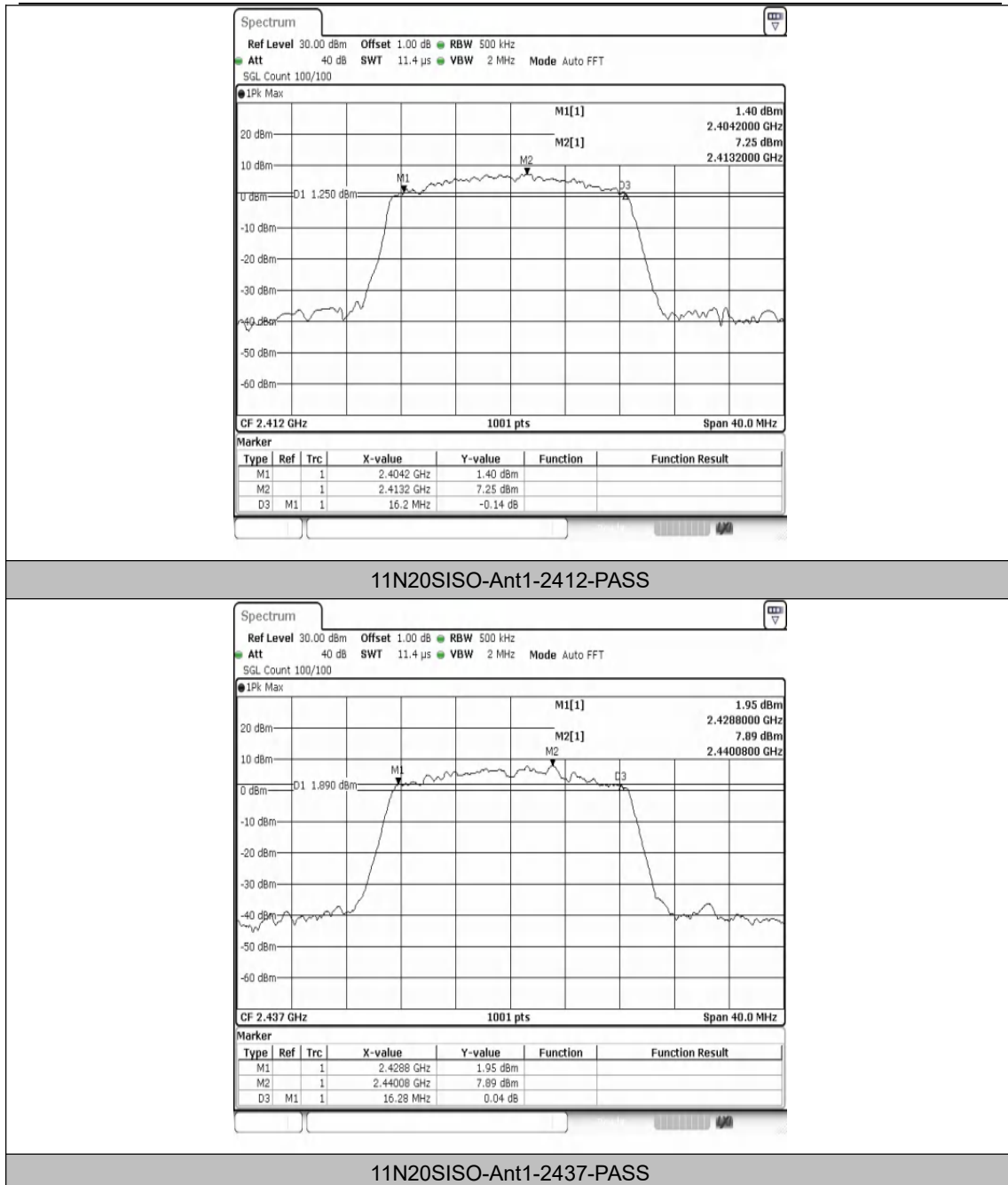


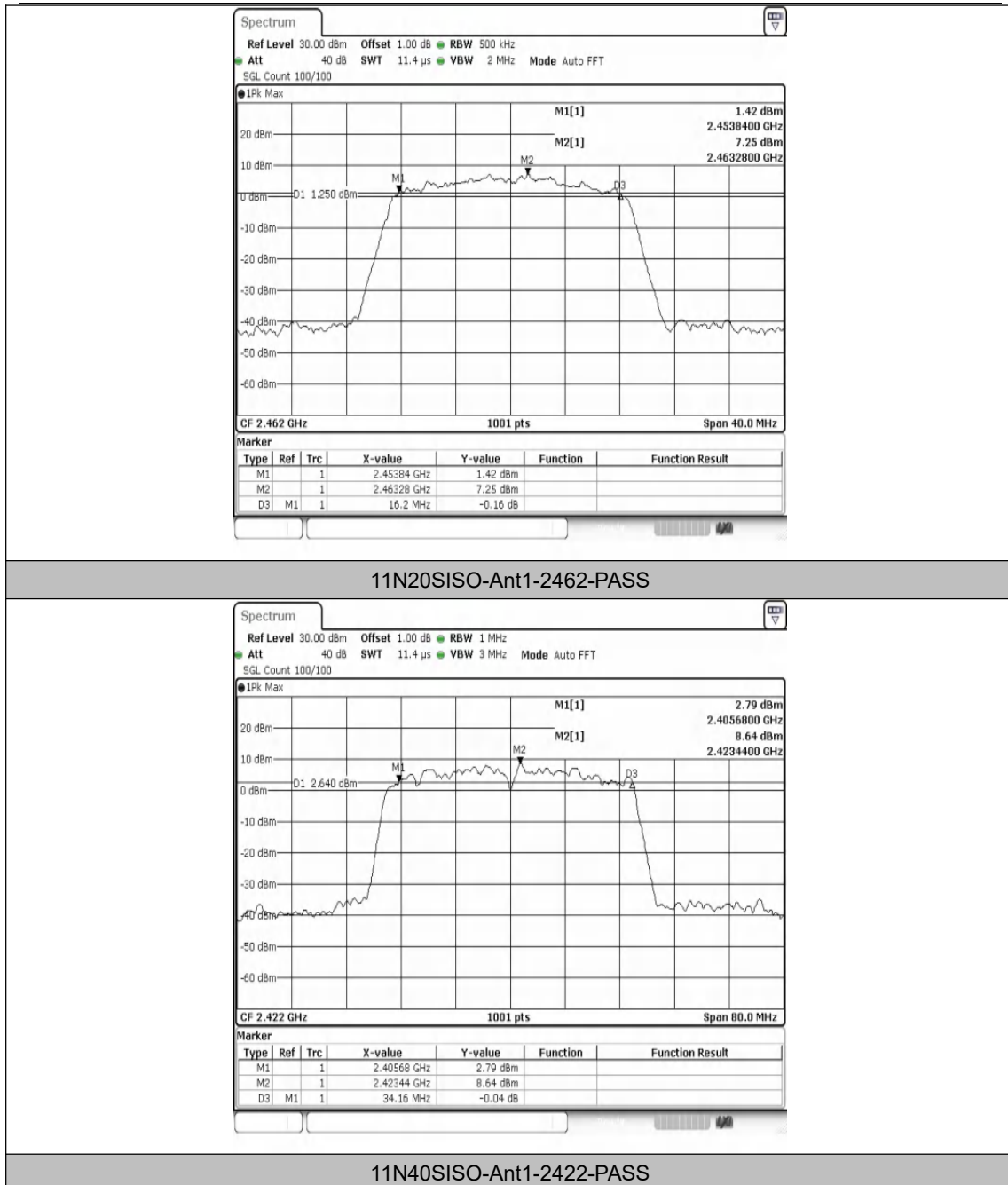


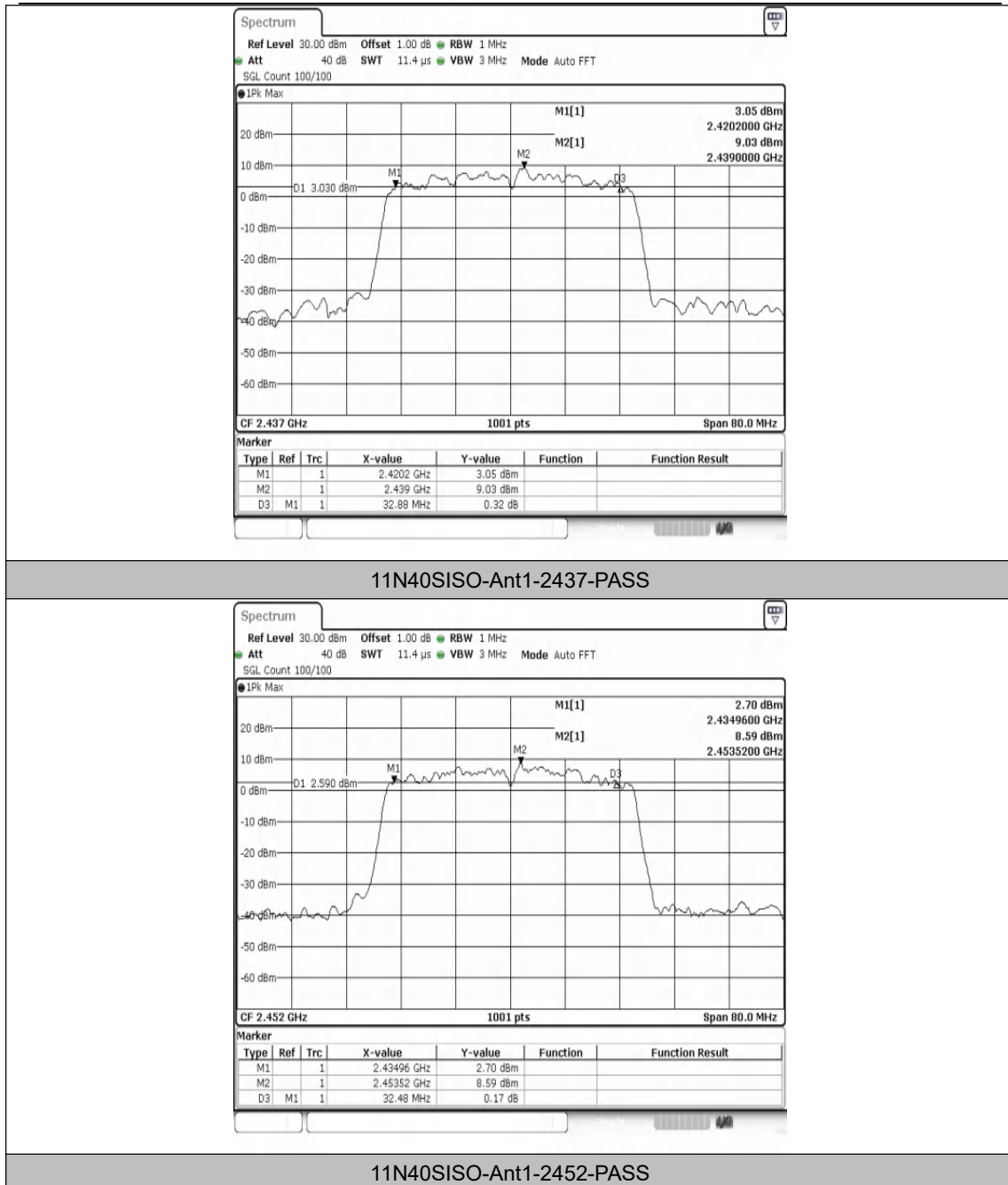
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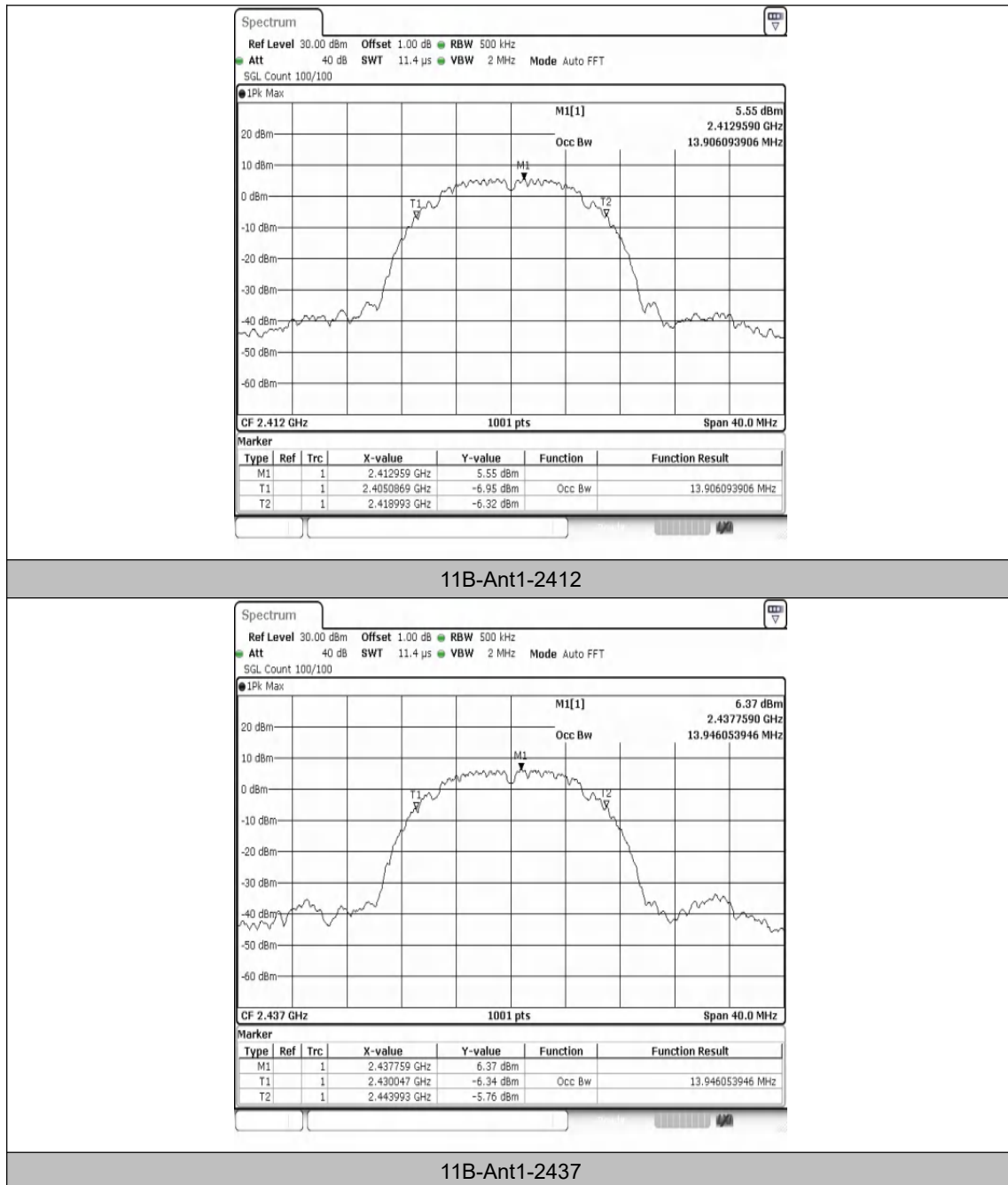
Appendix B: 99% Occupied Bandwidth

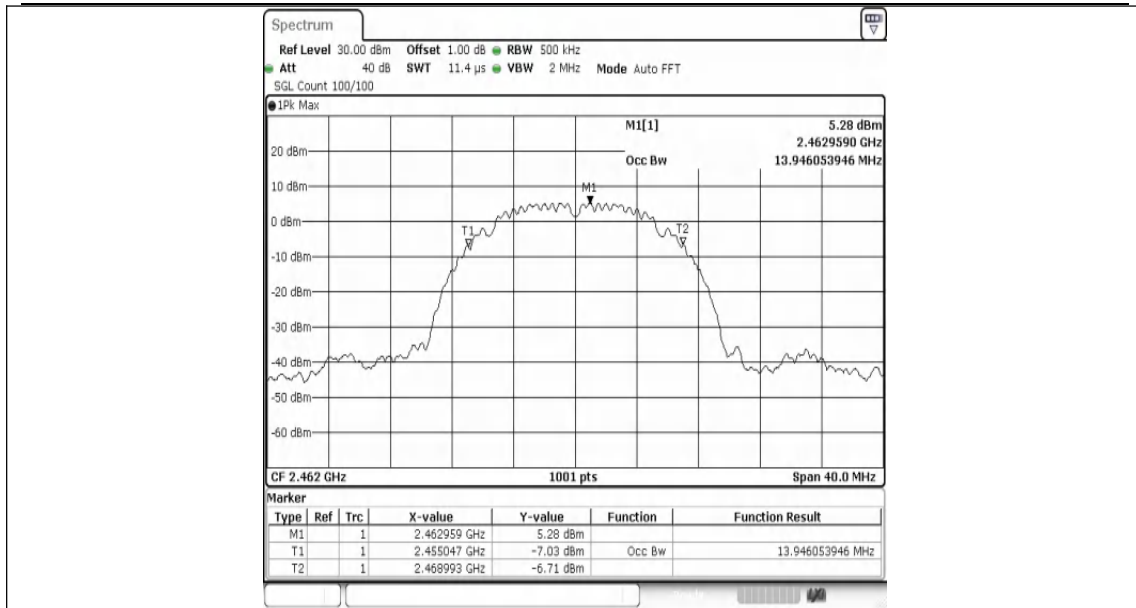
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.906	2405.0869	2418.9930	---	---
11B	Ant1	2437	13.946	2430.0470	2443.9930	---	---
11B	Ant1	2462	13.946	2455.0470	2468.9930	---	---
11G	Ant1	2412	16.144	2403.9680	2420.1119	---	---
11G	Ant1	2437	16.144	2428.9680	2445.1119	---	---
11G	Ant1	2462	16.184	2453.8482	2470.0320	---	---
11N20SISO	Ant1	2412	17.383	2403.3287	2420.7113	---	---
11N20SISO	Ant1	2437	17.303	2428.3287	2445.6314	---	---
11N20SISO	Ant1	2462	17.383	2453.2887	2470.6713	---	---
11N40SISO	Ant1	2422	35.964	2404.0979	2440.0619	---	---
11N40SISO	Ant1	2437	35.804	2419.0979	2454.9021	---	---
11N40SISO	Ant1	2452	35.884	2434.0180	2469.9021	---	---

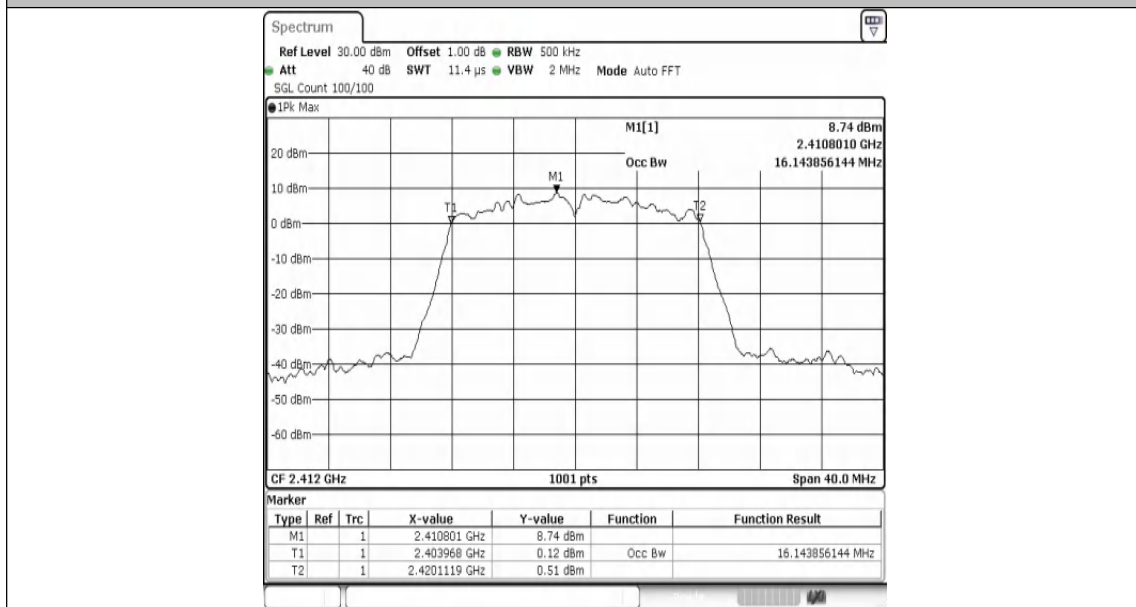


Test Graphs

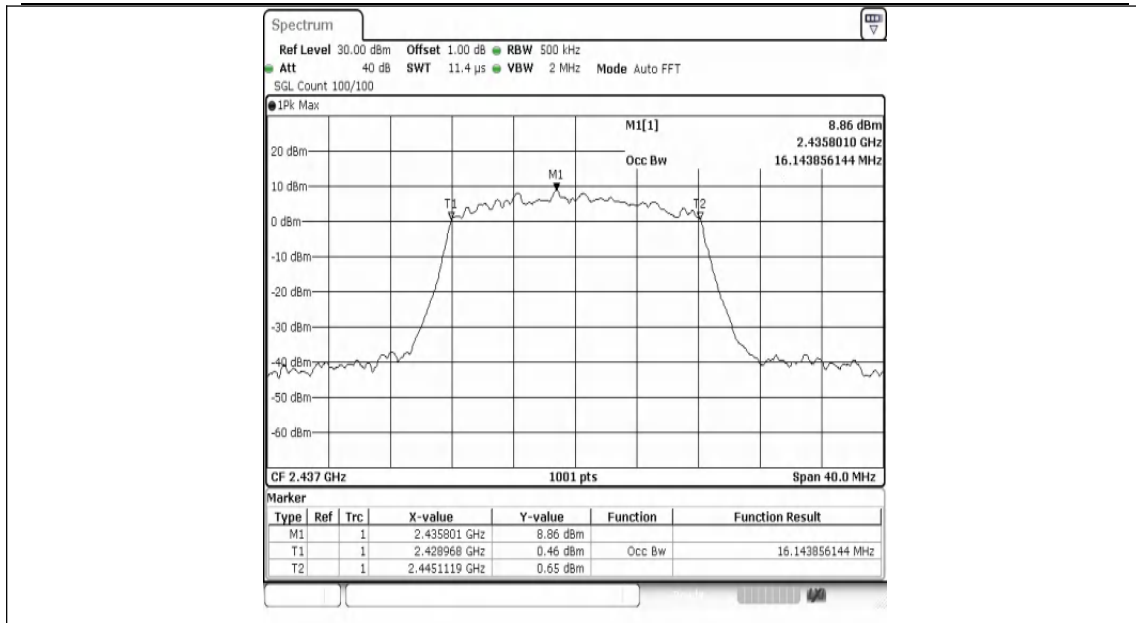




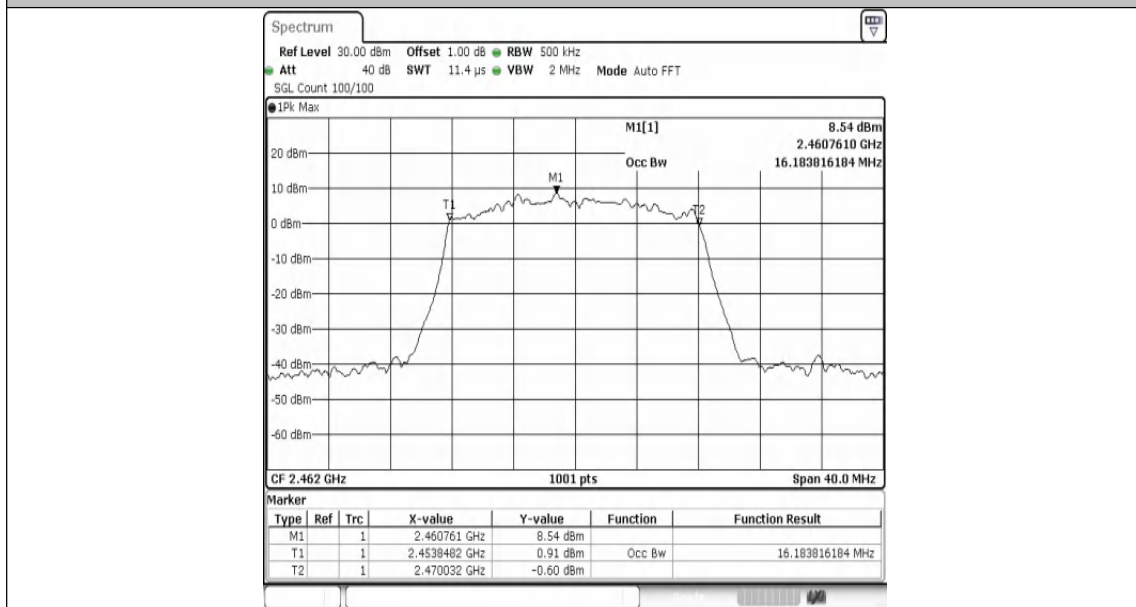
11B-Ant1-2462



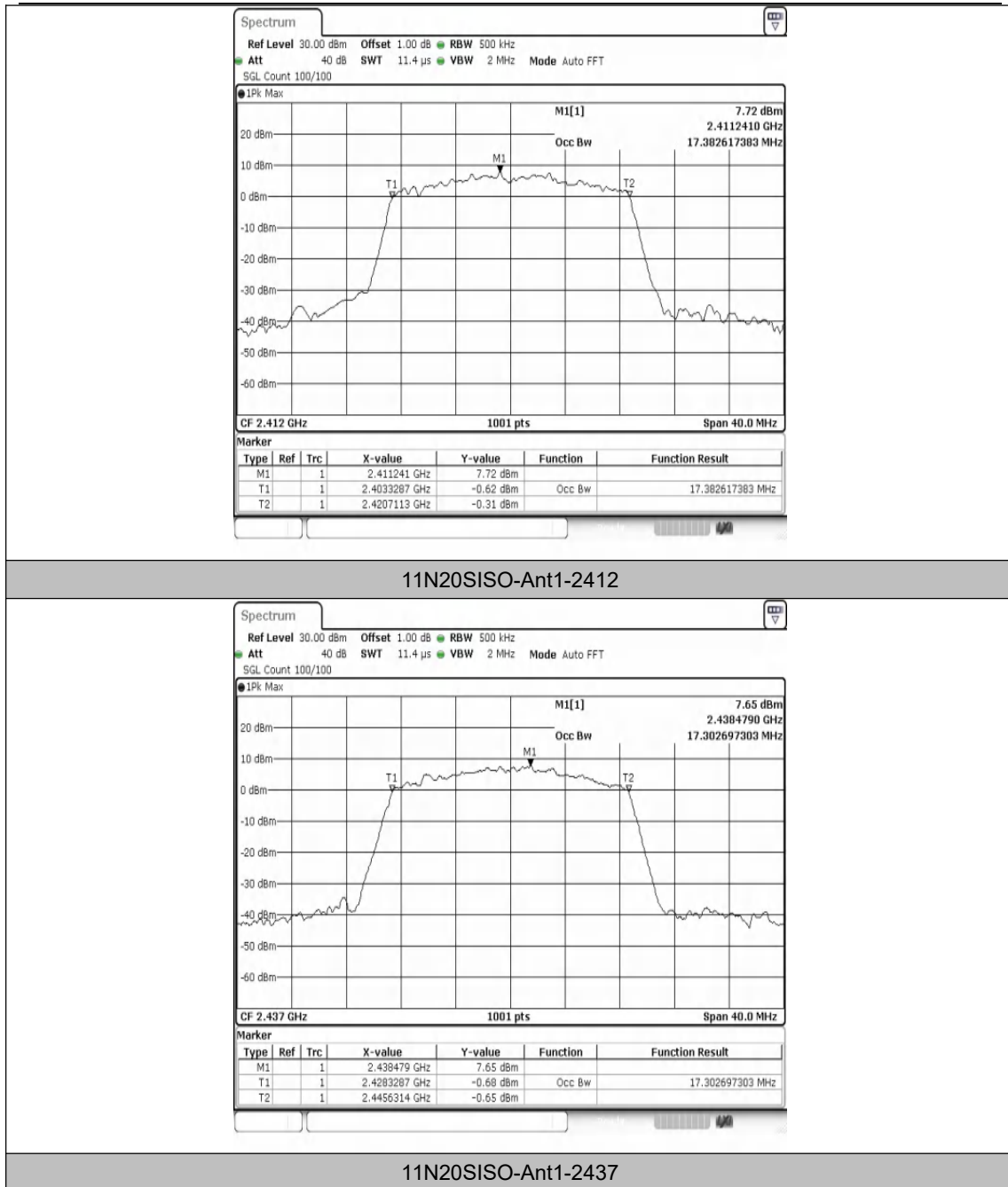
11G-Ant1-2412

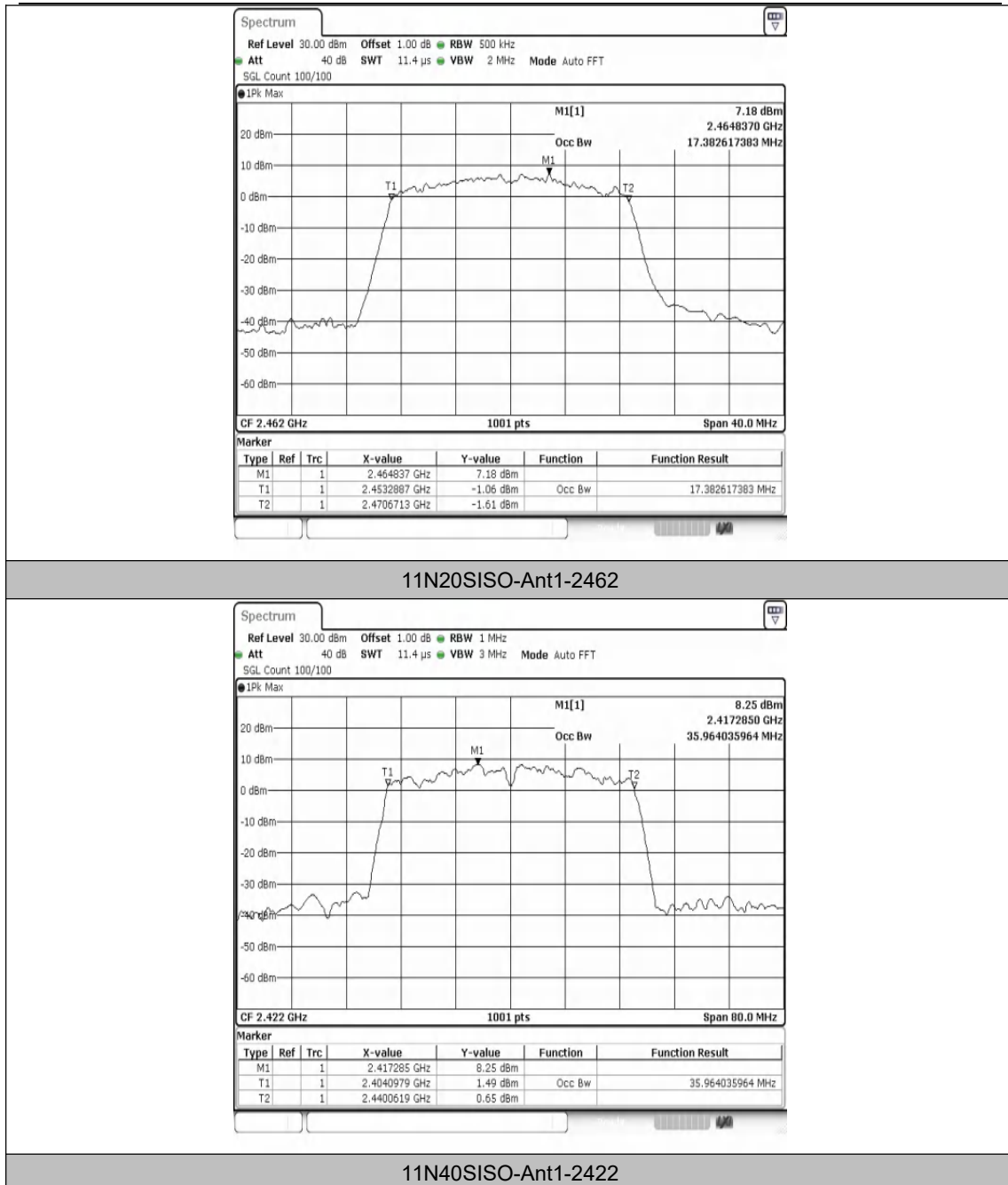


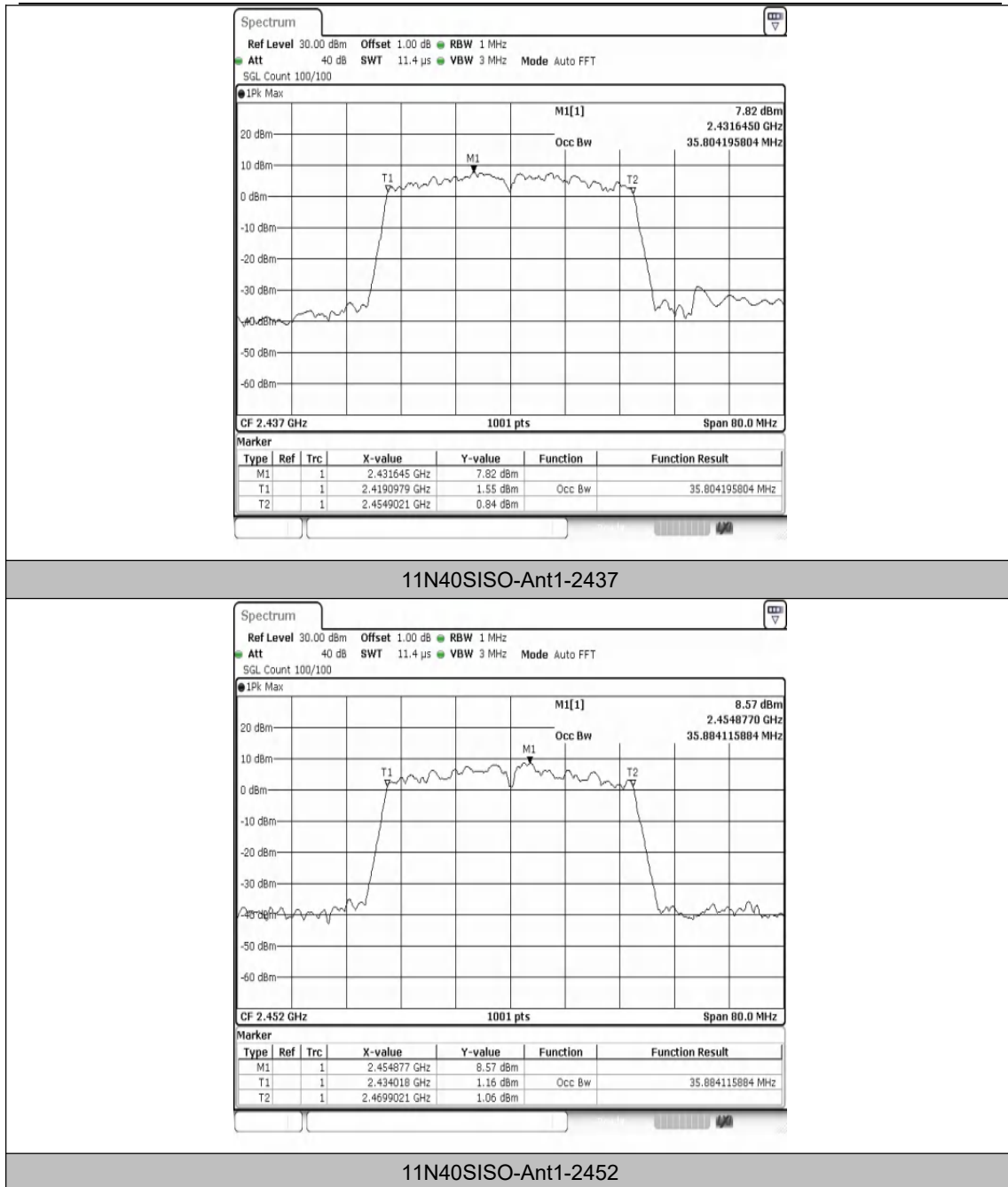
11G-Ant1-2437



11G-Ant1-2462







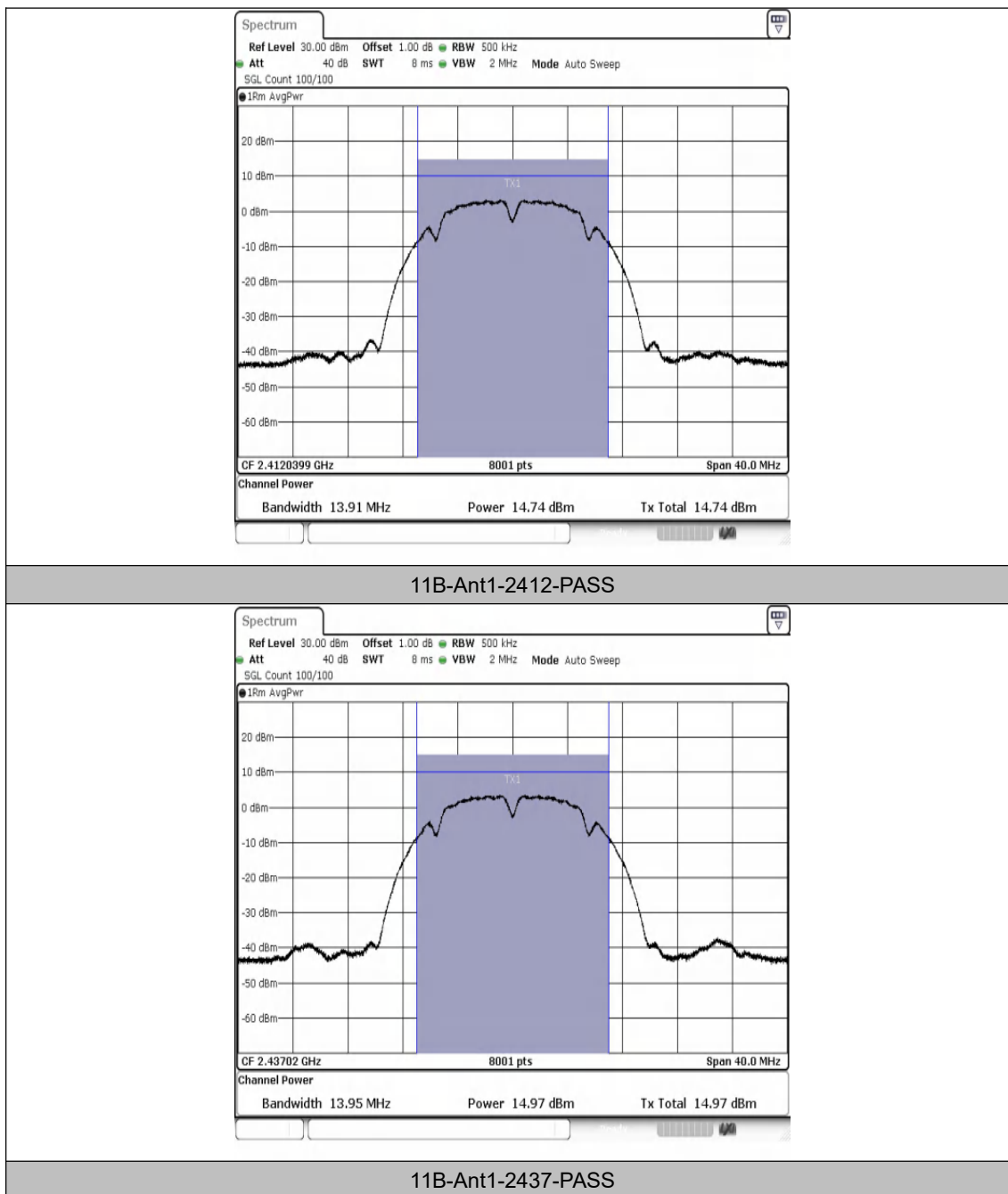
Appendix C: Maximum conducted output power

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	14.74	100.00	0.00	14.74	≤30.00	PASS
11B	Ant1	2437	NA	14.97	100.00	0.00	14.97	≤30.00	PASS
11B	Ant1	2462	NA	14.36	100.00	0.00	14.36	≤30.00	PASS
11G	Ant1	2412	NA	14.55	100.00	0.00	14.55	≤30.00	PASS
11G	Ant1	2437	NA	14.43	100.00	0.00	14.43	≤30.00	PASS
11G	Ant1	2462	NA	14.09	100.00	0.00	14.09	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.17	100.00	0.00	14.17	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.28	100.00	0.00	14.28	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.89	100.00	0.00	13.89	≤30.00	PASS
11N40SISO	Ant1	2422	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11N40SISO	Ant1	2437	NA	14.32	100.00	0.00	14.32	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.96	100.00	0.00	13.96	≤30.00	PASS

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

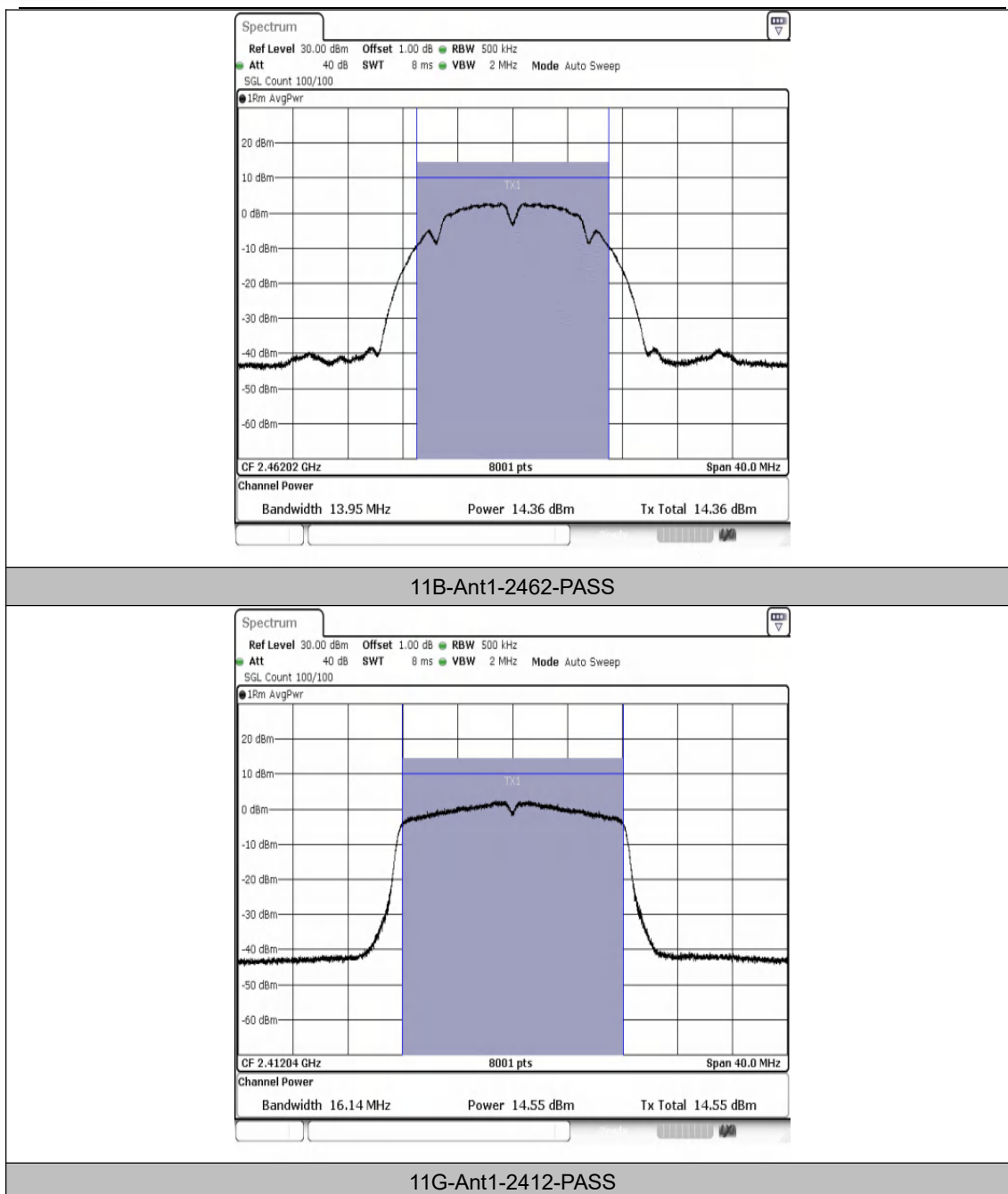
Test Graphs Average



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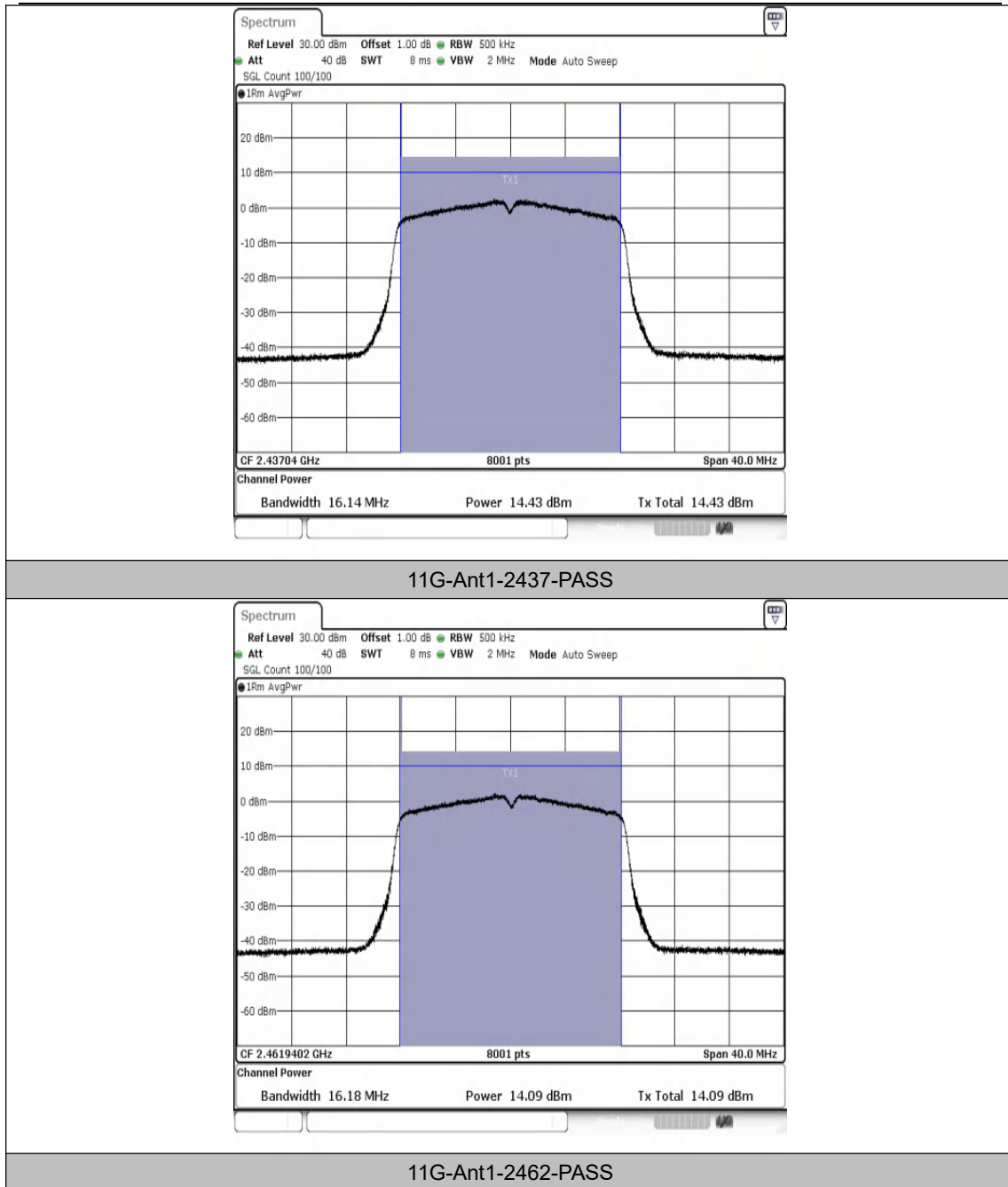
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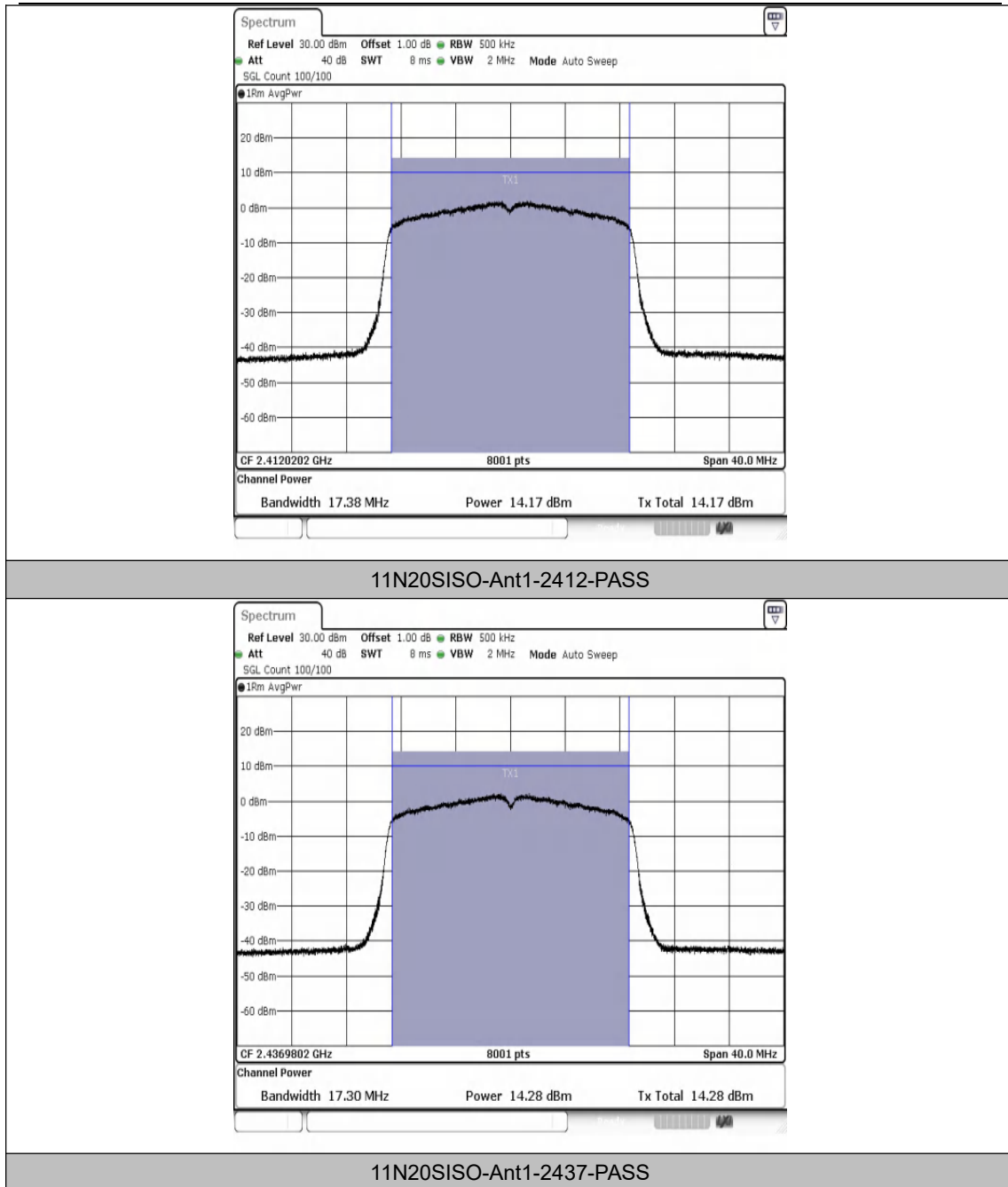
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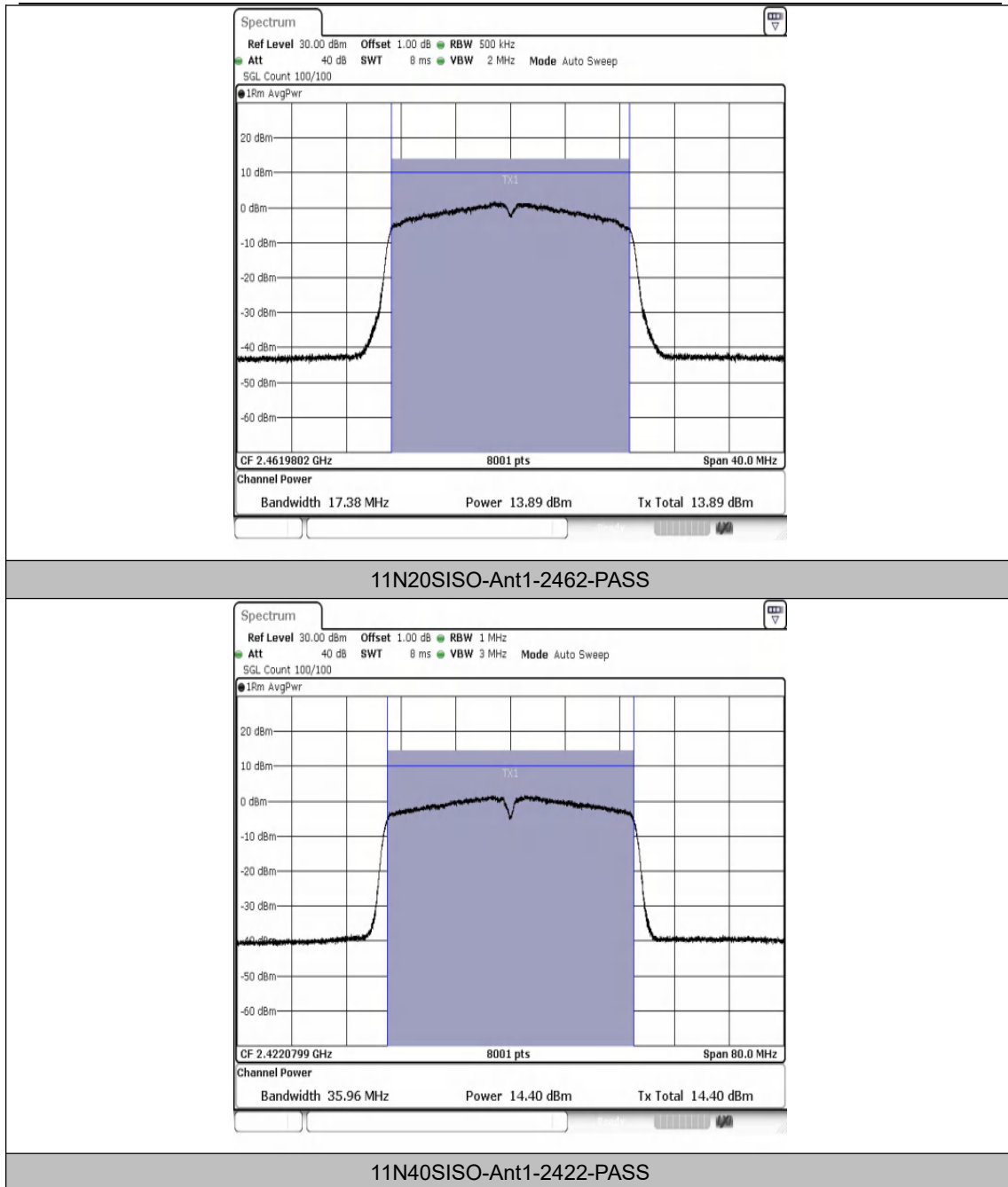
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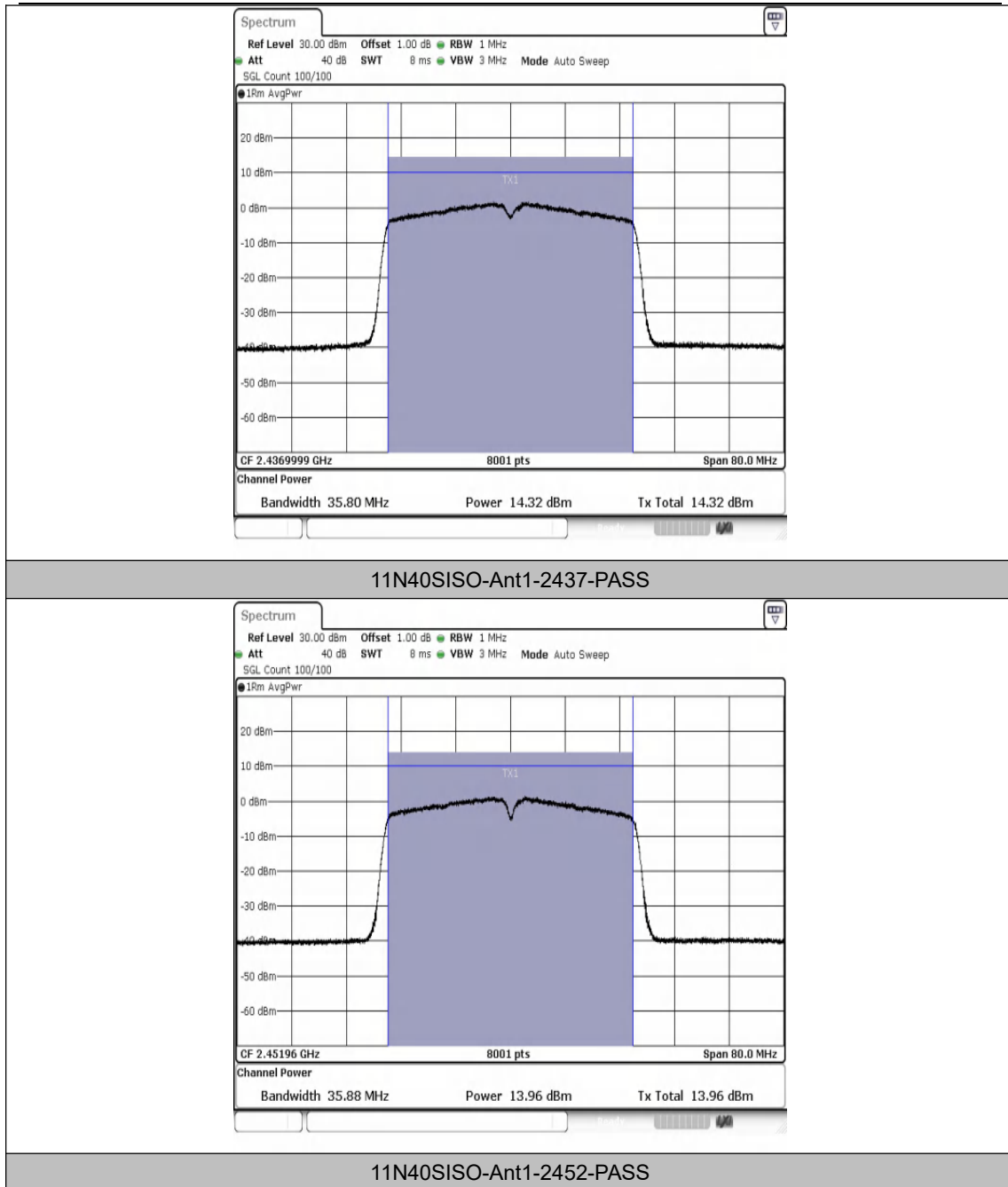
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Appendix D: Maximum power spectral density

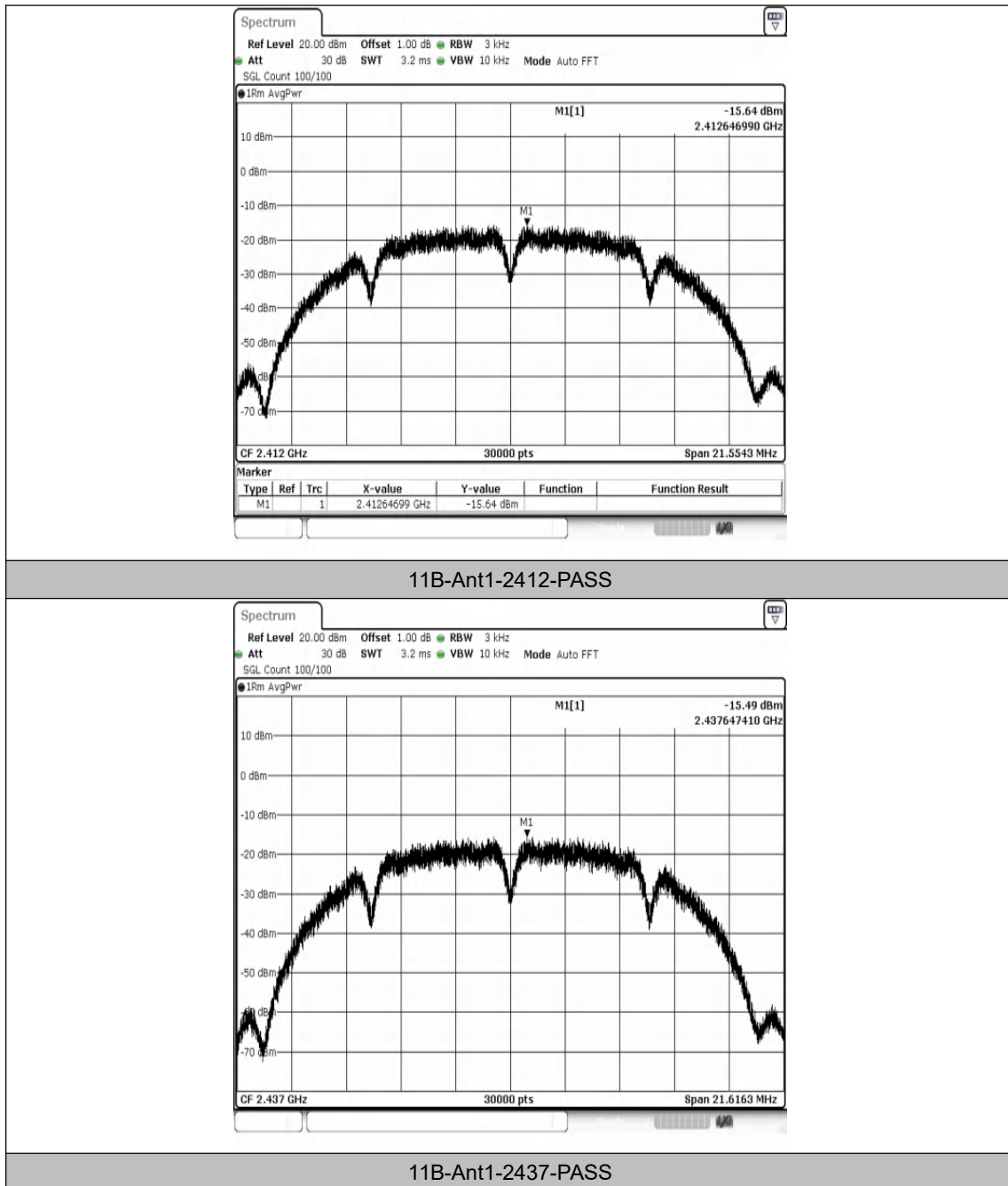
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.64	0.00	-15.64	≤8.00	PASS
11B	Ant1	2437	-15.49	0.00	-15.49	≤8.00	PASS
11B	Ant1	2462	-15.8	0.00	-15.80	≤8.00	PASS
11G	Ant1	2412	-13.69	0.00	-13.69	≤8.00	PASS
11G	Ant1	2437	-13.34	0.00	-13.34	≤8.00	PASS
11G	Ant1	2462	-14.18	0.00	-14.18	≤8.00	PASS
11N20SISO	Ant1	2412	-9.59	0.00	-9.59	≤8.00	PASS
11N20SISO	Ant1	2437	-12.29	0.00	-12.29	≤8.00	PASS
11N20SISO	Ant1	2462	-12.4	0.00	-12.40	≤8.00	PASS
11N40SISO	Ant1	2422	-15.49	0.00	-15.49	≤8.00	PASS
11N40SISO	Ant1	2437	-10.82	0.00	-10.82	≤8.00	PASS
11N40SISO	Ant1	2452	-15.9	0.00	-15.90	≤8.00	PASS

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



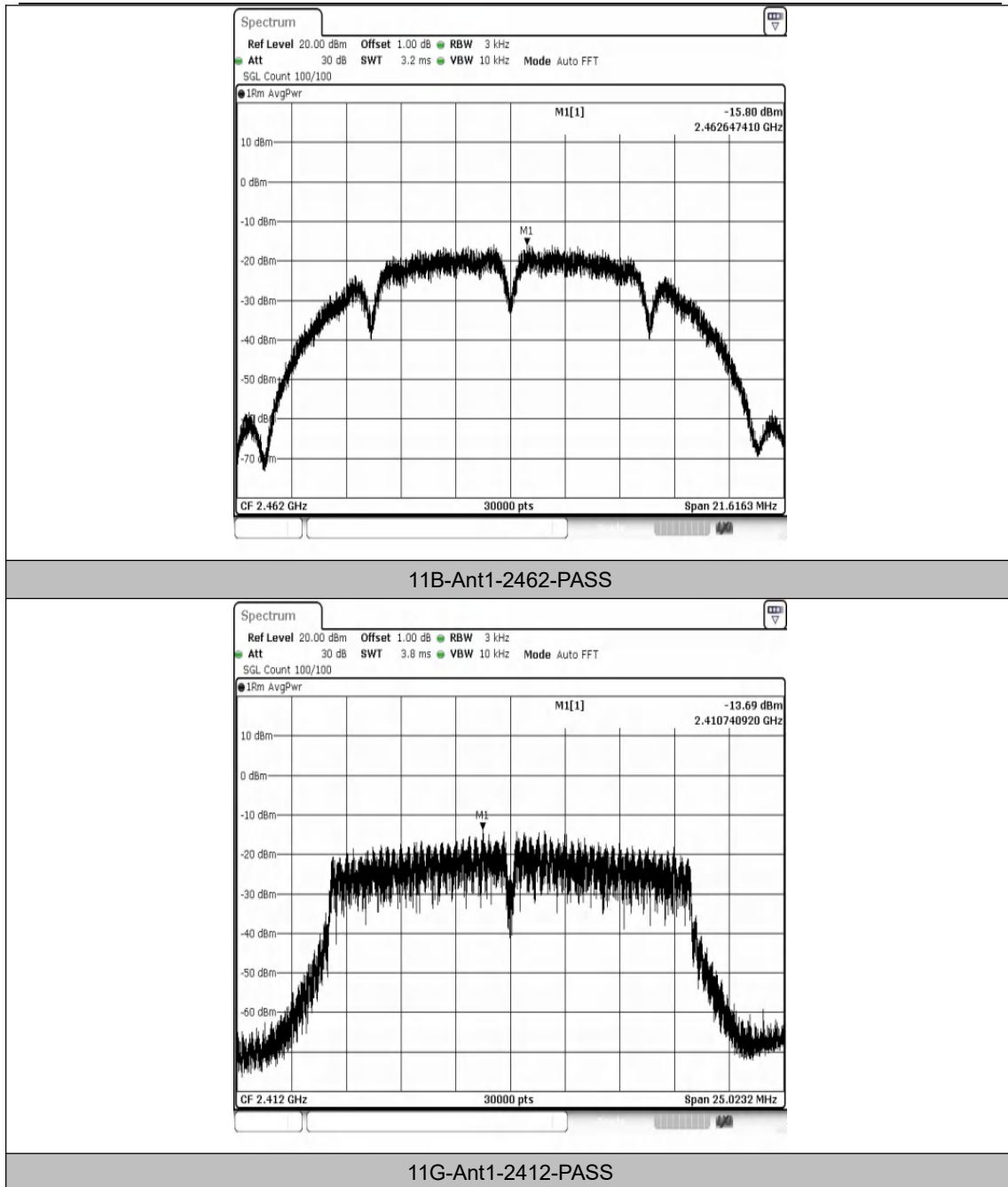
Test Graphs

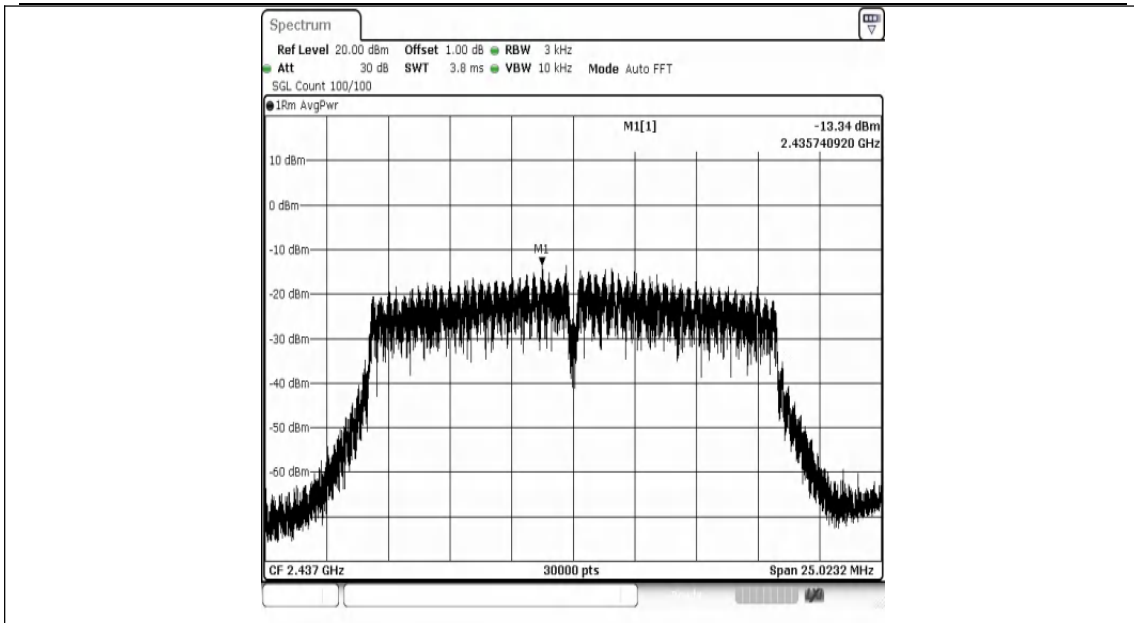


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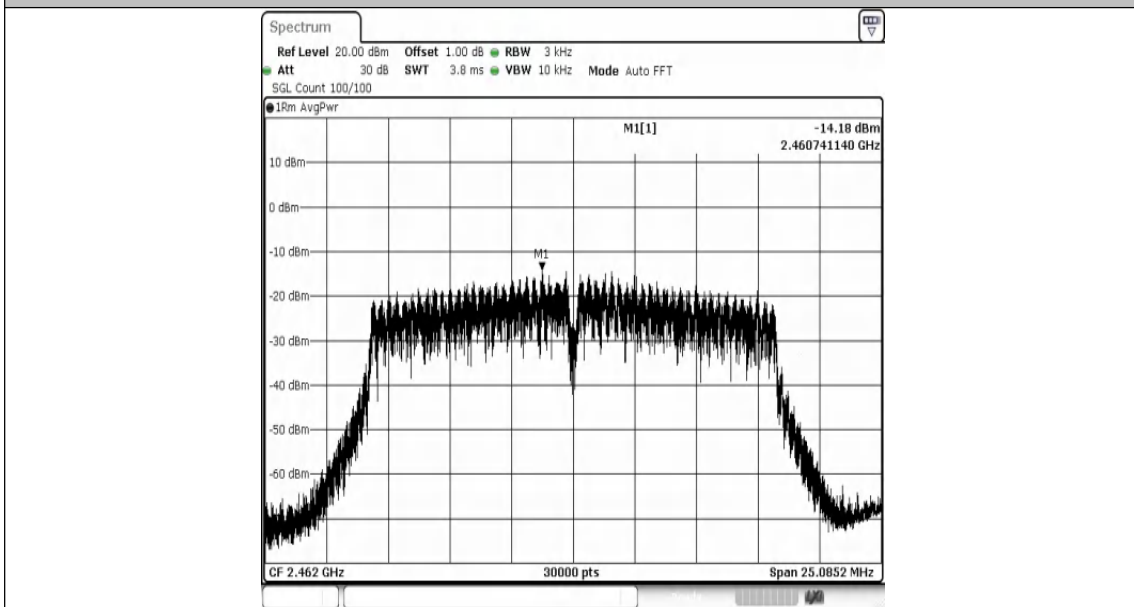
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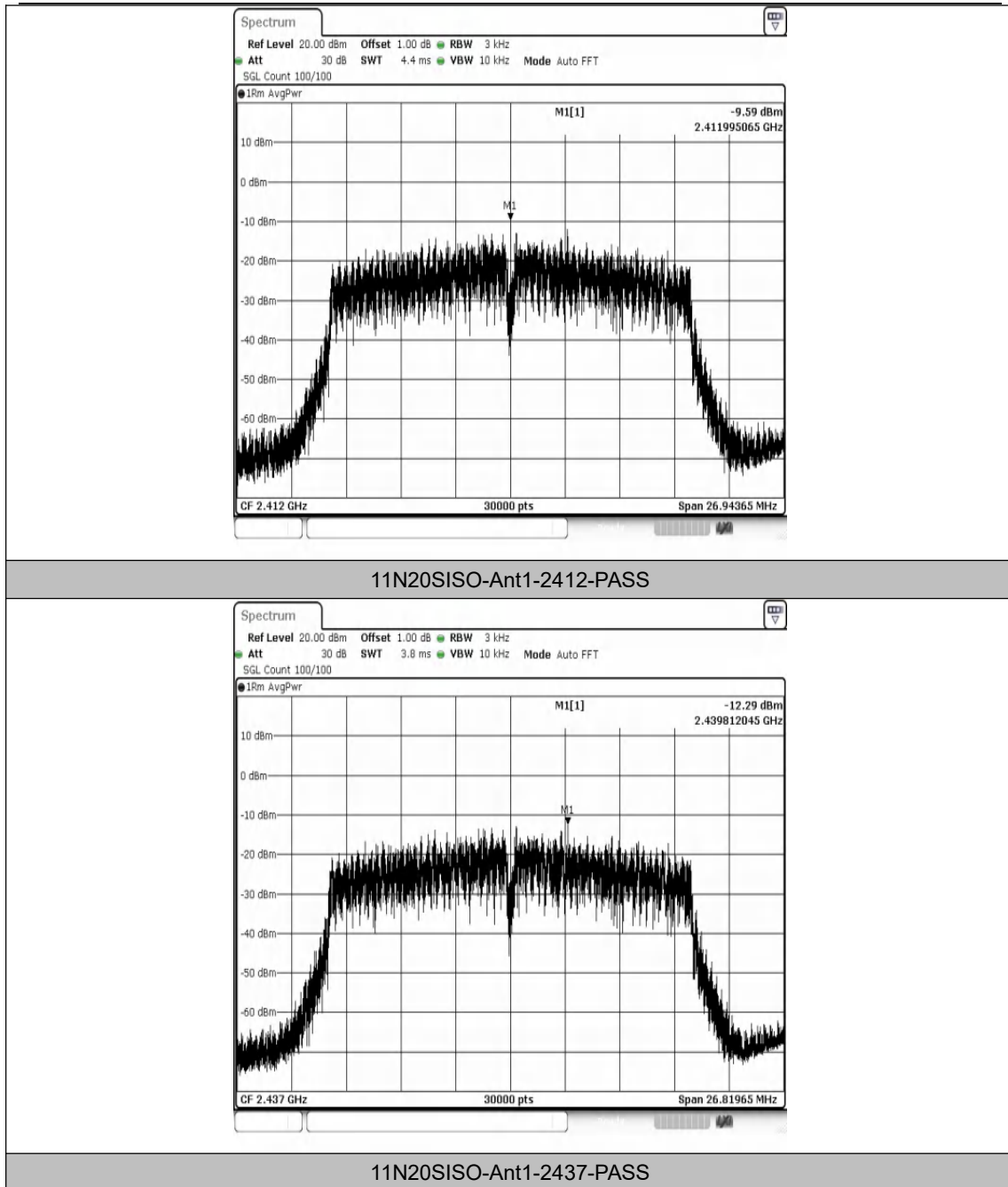


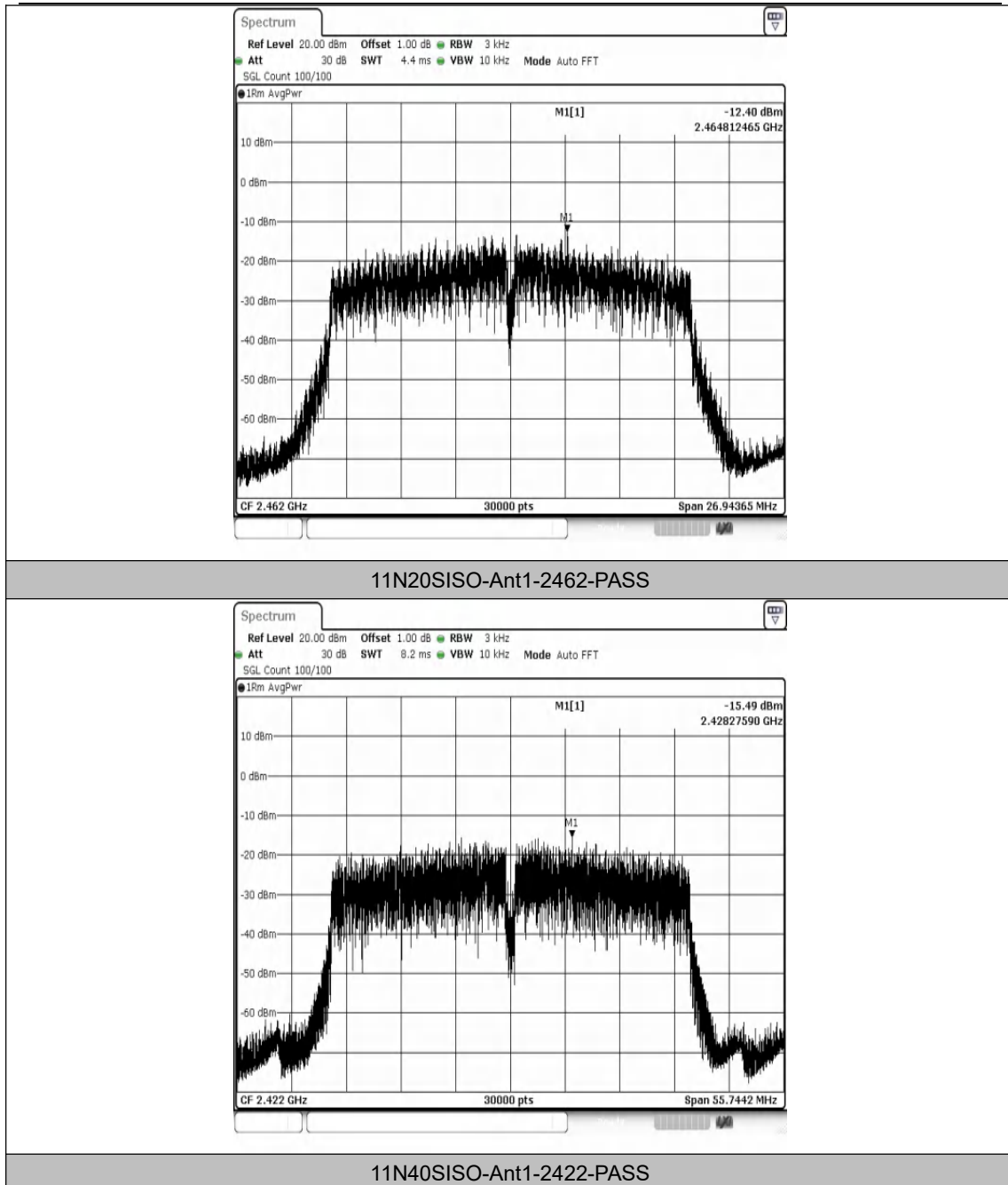


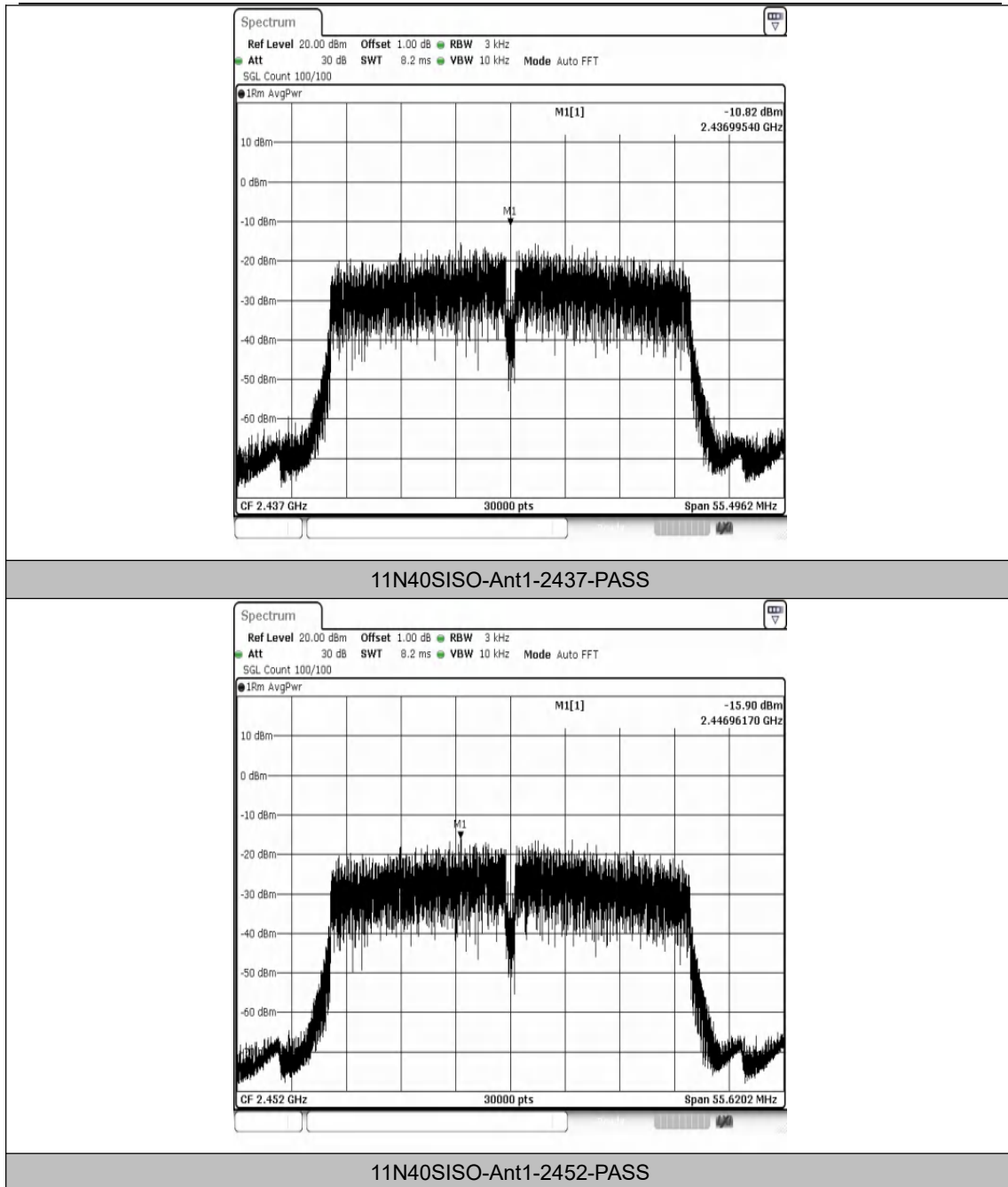
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







Appendix E: Conducted Band edge

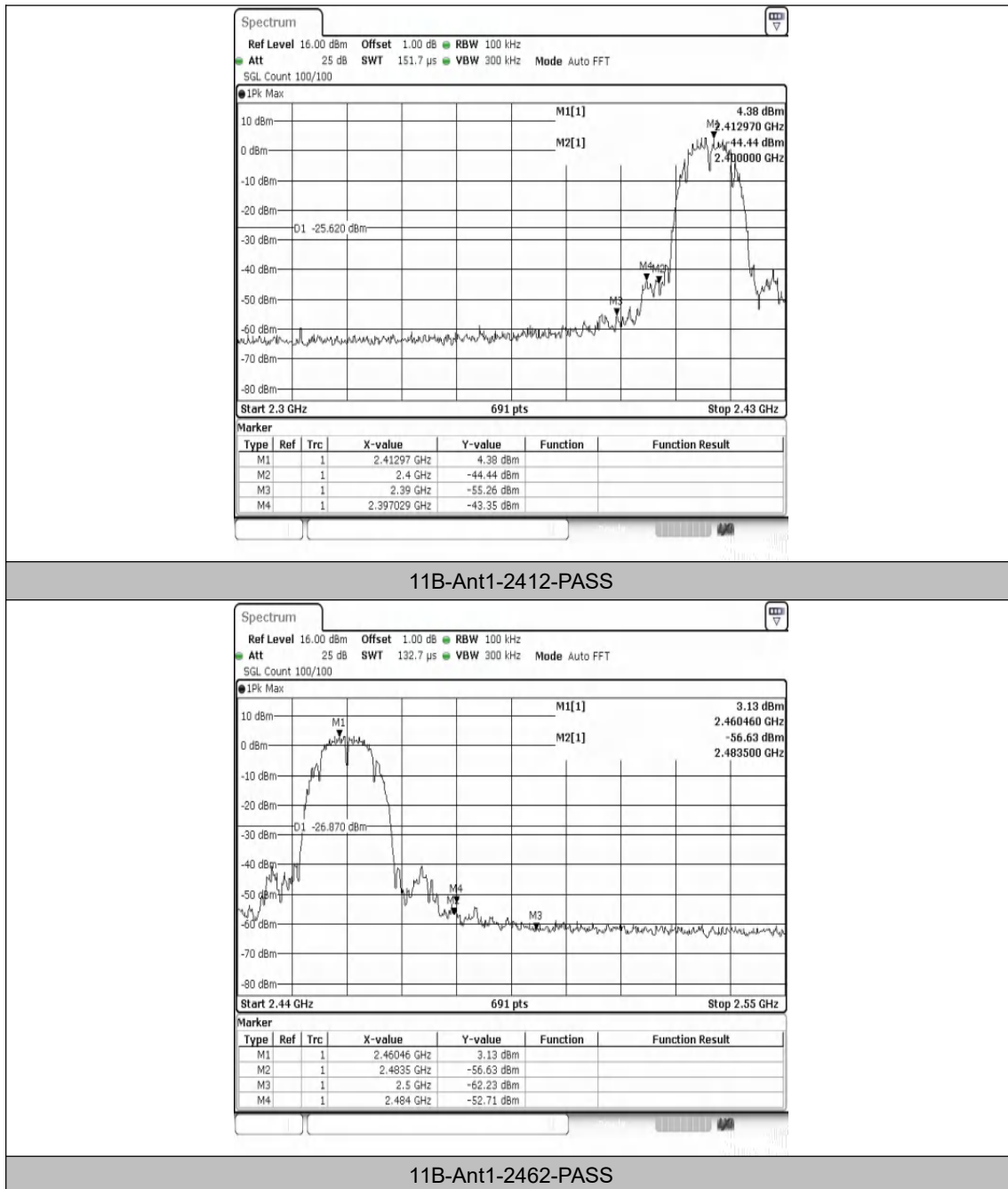
Test Result

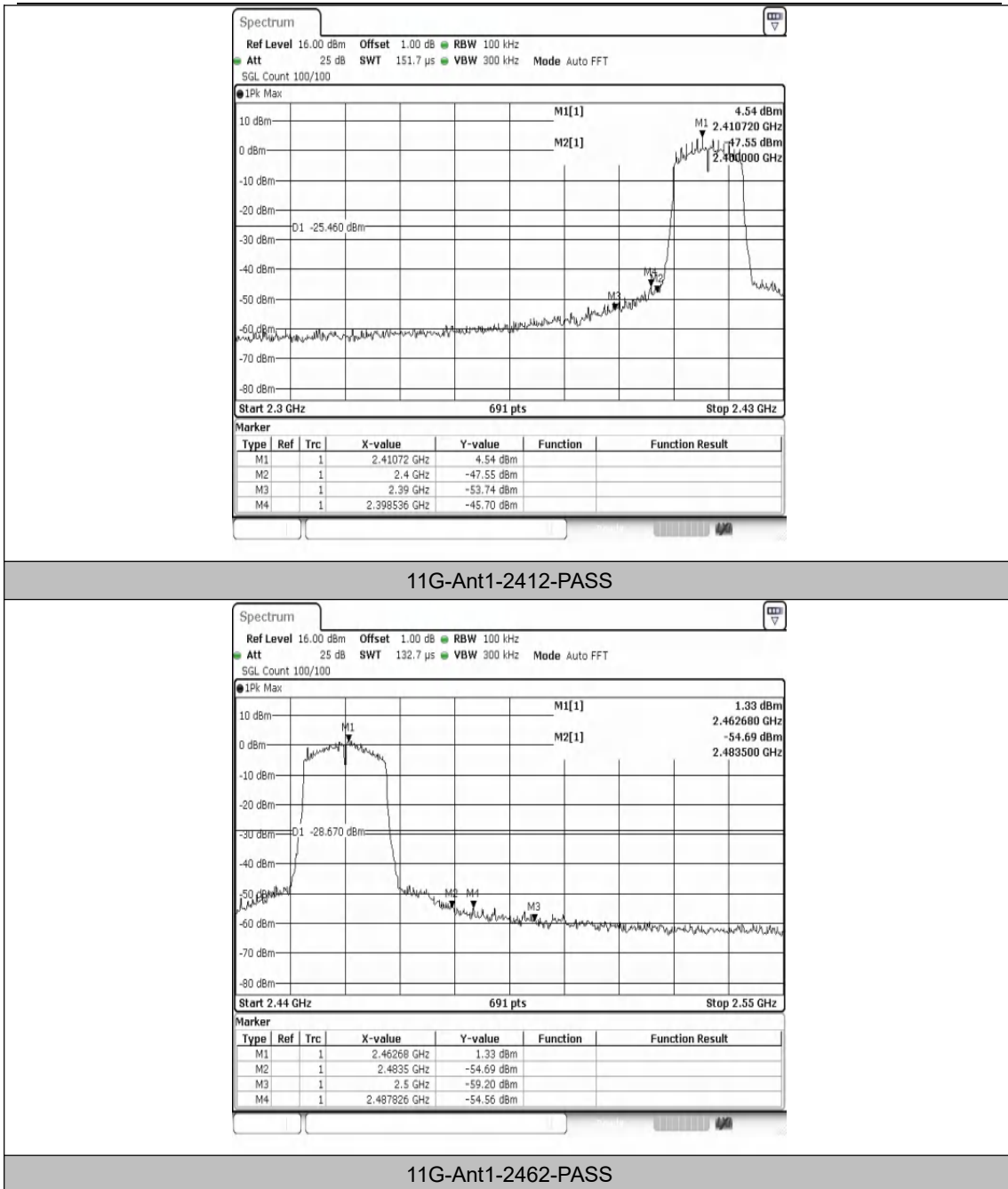
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.38	-43.35	≤-25.62	PASS
11B	Ant1	High	2462	3.13	-52.71	≤-26.87	PASS
11G	Ant1	Low	2412	4.54	-45.7	≤-25.46	PASS
11G	Ant1	High	2462	1.33	-54.56	≤-28.67	PASS
11N20SISO	Ant1	Low	2412	4.35	-43.17	≤-25.65	PASS
11N20SISO	Ant1	High	2462	3.91	-53.18	≤-26.09	PASS
11N40SISO	Ant1	Low	2422	2.22	-44.22	≤-27.78	PASS
11N40SISO	Ant1	High	2452	1.86	-46.72	≤-28.14	PASS

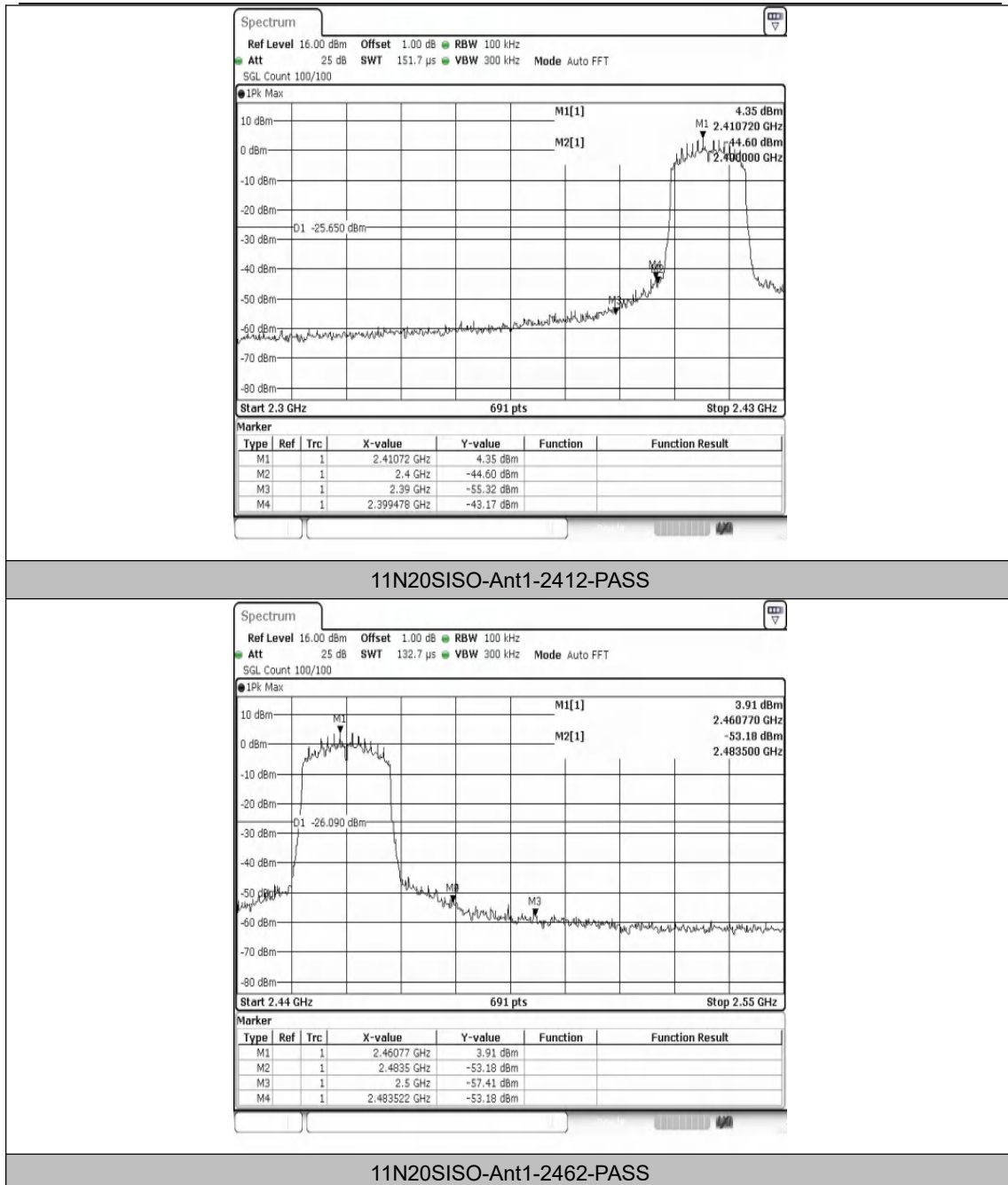
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

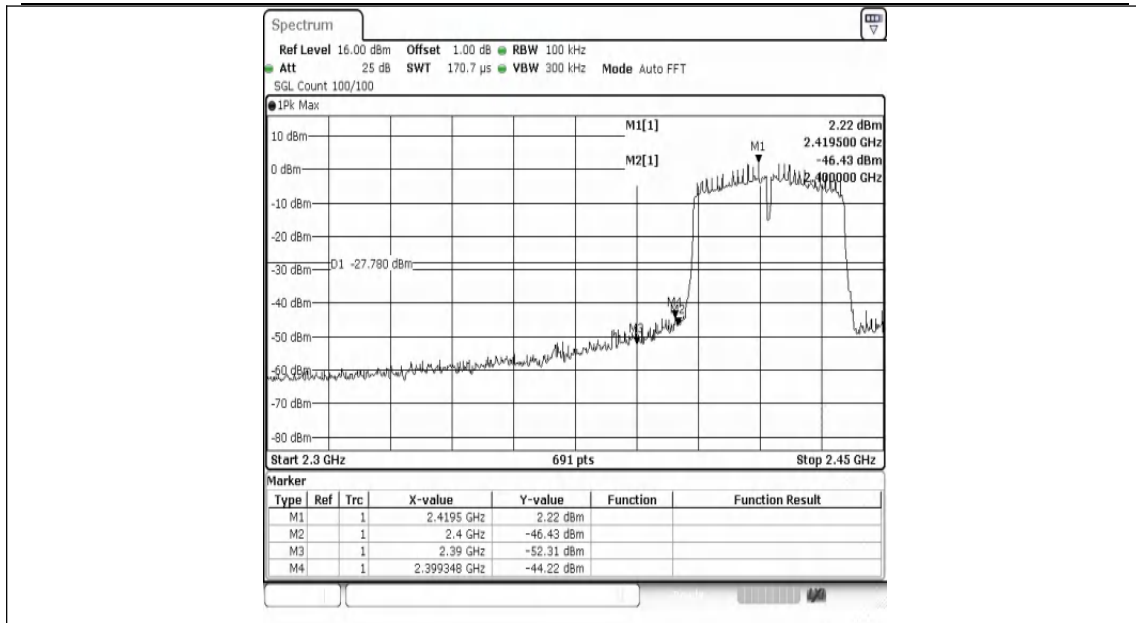


Test Graphs

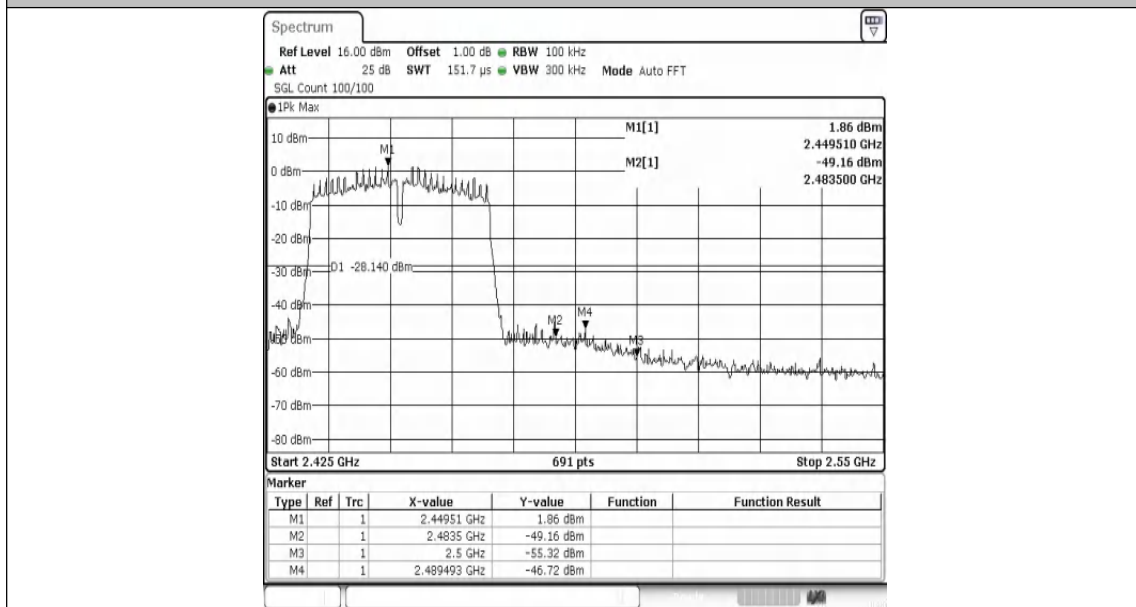








11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

Appendix F: Conducted Spurious Emission

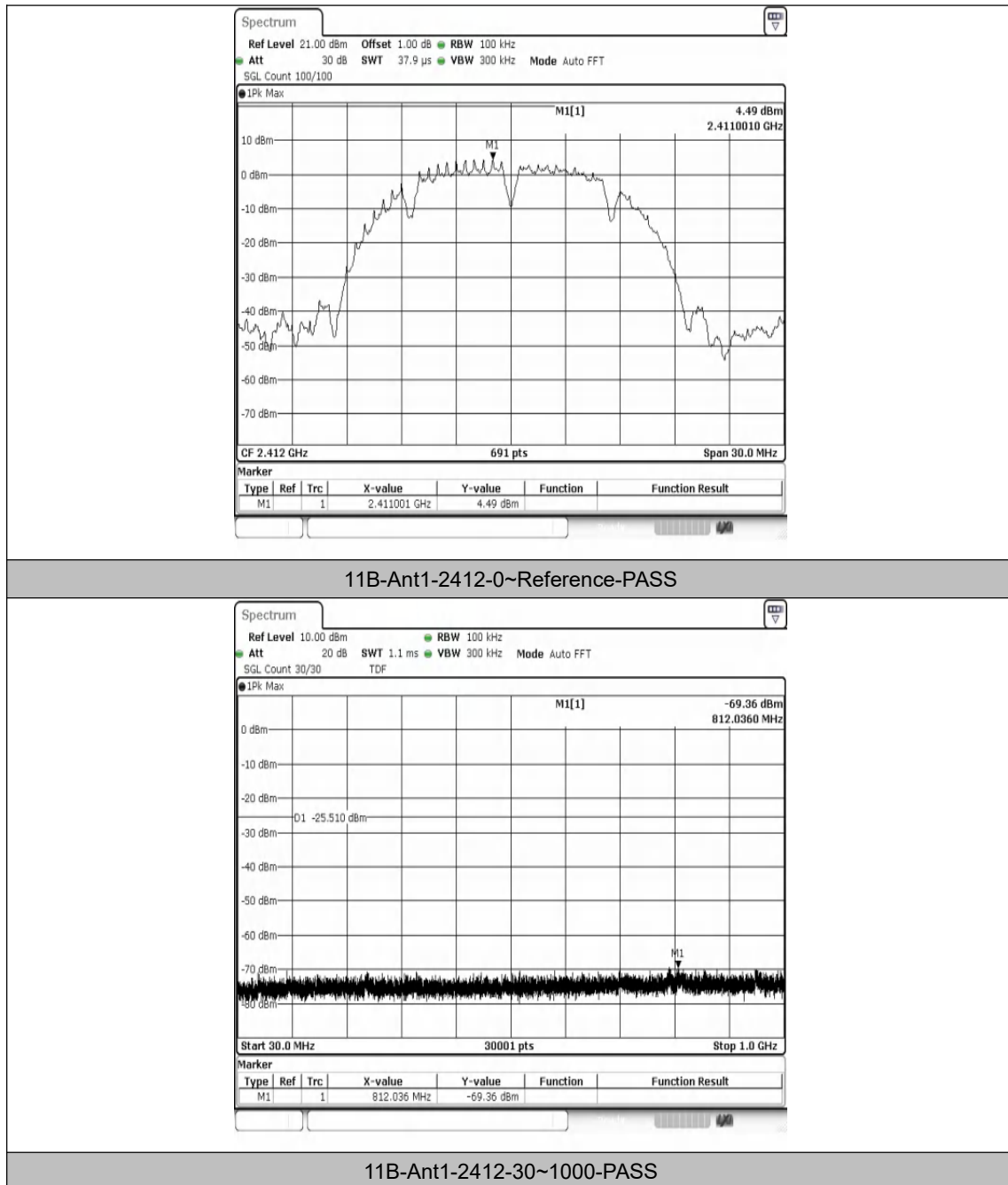
Test Result

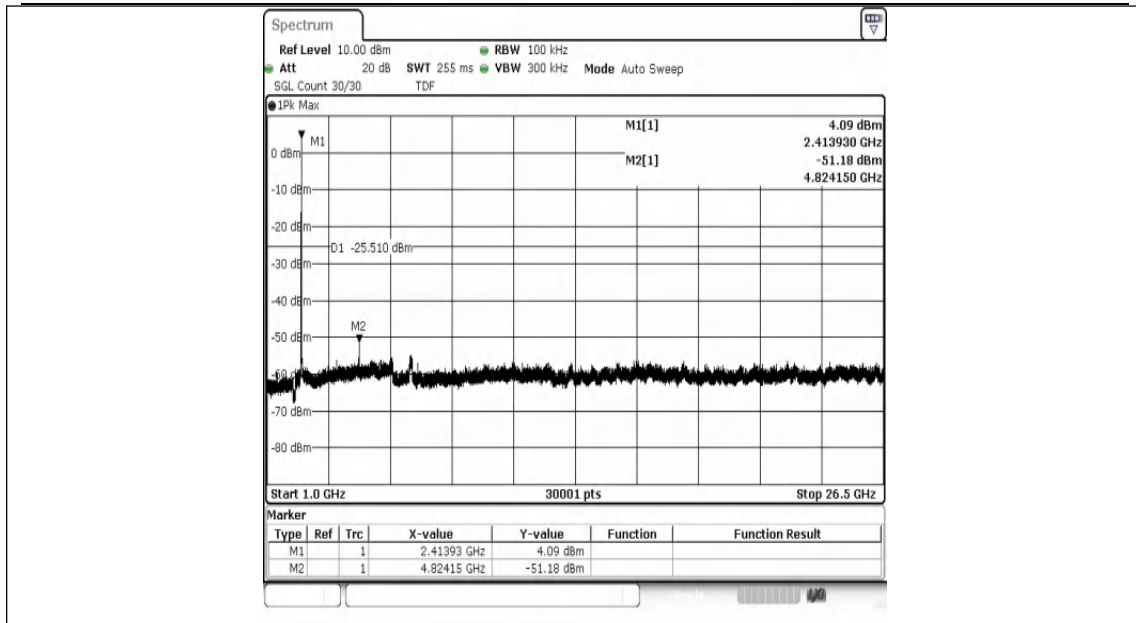
Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.49	4.49	---	PASS
11B	Ant1	2412	30~1000	4.49	-69.36	≤-25.51	PASS
11B	Ant1	2412	1000~26500	4.49	-51.18	≤-25.51	PASS
11B	Ant1	2437	0~Reference	4.78	4.78	---	PASS
11B	Ant1	2437	30~1000	4.78	-67.64	≤-25.22	PASS
11B	Ant1	2437	1000~26500	4.78	-48.95	≤-25.22	PASS
11B	Ant1	2462	0~Reference	3.87	3.87	---	PASS
11B	Ant1	2462	30~1000	3.87	-69.45	≤-26.13	PASS
11B	Ant1	2462	1000~26500	3.87	-53.07	≤-26.13	PASS
11G	Ant1	2412	0~Reference	4.60	4.60	---	PASS
11G	Ant1	2412	30~1000	4.60	-68.89	≤-25.4	PASS
11G	Ant1	2412	1000~26500	4.60	-54.51	≤-25.4	PASS
11G	Ant1	2437	0~Reference	3.74	3.74	---	PASS
11G	Ant1	2437	30~1000	3.74	-69.26	≤-26.26	PASS
11G	Ant1	2437	1000~26500	3.74	-54.42	≤-26.26	PASS
11G	Ant1	2462	0~Reference	3.59	3.59	---	PASS
11G	Ant1	2462	30~1000	3.59	-68.7	≤-26.41	PASS
11G	Ant1	2462	1000~26500	3.59	-54.95	≤-26.41	PASS
11N20SISO	Ant1	2412	0~Reference	4.25	4.25	---	PASS
11N20SISO	Ant1	2412	30~1000	4.25	-69.15	≤-25.75	PASS
11N20SISO	Ant1	2412	1000~26500	4.25	-53.6	≤-25.75	PASS
11N20SISO	Ant1	2437	0~Reference	4.10	4.10	---	PASS
11N20SISO	Ant1	2437	30~1000	4.10	-68.15	≤-25.9	PASS
11N20SISO	Ant1	2437	1000~26500	4.10	-55.11	≤-25.9	PASS
11N20SISO	Ant1	2462	0~Reference	3.76	3.76	---	PASS
11N20SISO	Ant1	2462	30~1000	3.76	-67.93	≤-26.24	PASS
11N20SISO	Ant1	2462	1000~26500	3.76	-55.01	≤-26.24	PASS
11N40SISO	Ant1	2422	0~Reference	2.04	2.04	---	PASS
11N40SISO	Ant1	2422	30~1000	2.04	-68.31	≤-27.96	PASS
11N40SISO	Ant1	2422	1000~26500	2.04	-54.33	≤-27.96	PASS
11N40SISO	Ant1	2437	0~Reference	2.19	2.19	---	PASS
11N40SISO	Ant1	2437	30~1000	2.19	-69.2	≤-27.81	PASS
11N40SISO	Ant1	2437	1000~26500	2.19	-54.81	≤-27.81	PASS
11N40SISO	Ant1	2452	0~Reference	1.98	1.98	---	PASS
11N40SISO	Ant1	2452	30~1000	1.98	-68.12	≤-28.02	PASS
11N40SISO	Ant1	2452	1000~26500	1.98	-54.92	≤-28.02	PASS

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

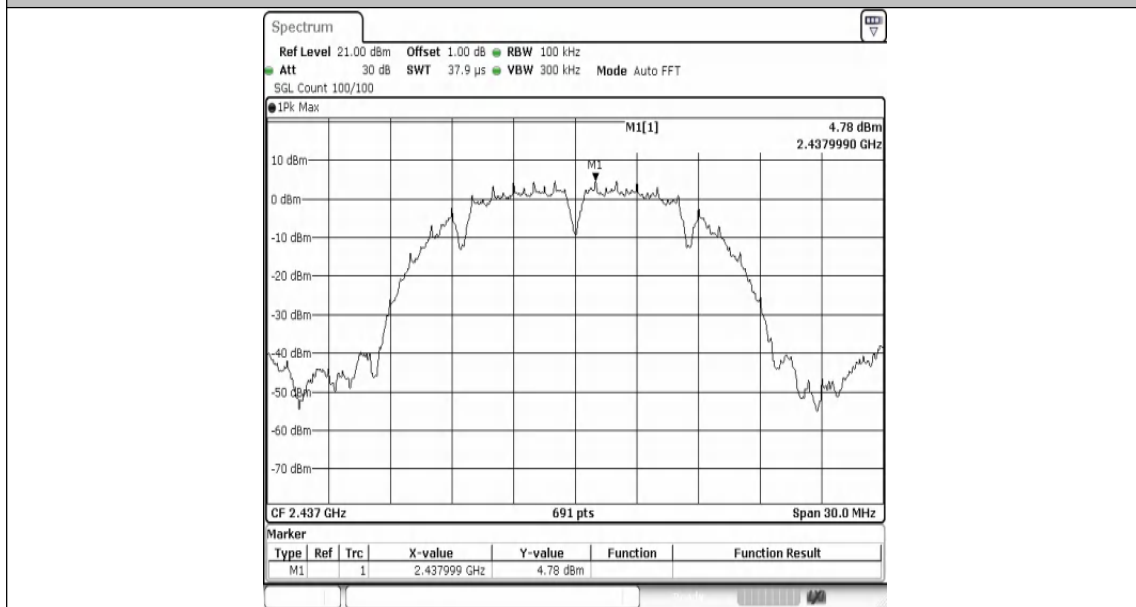
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Test Graphs

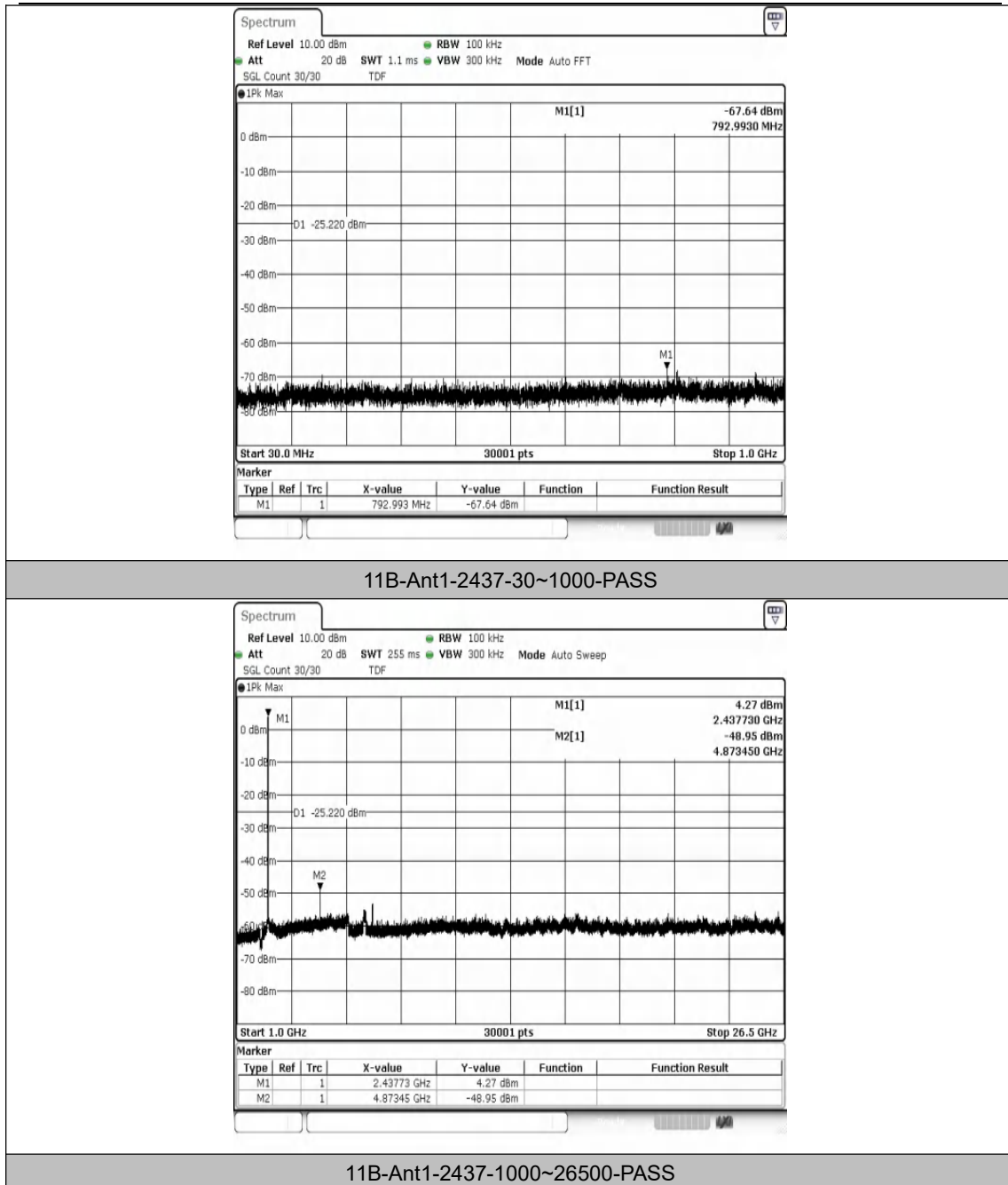


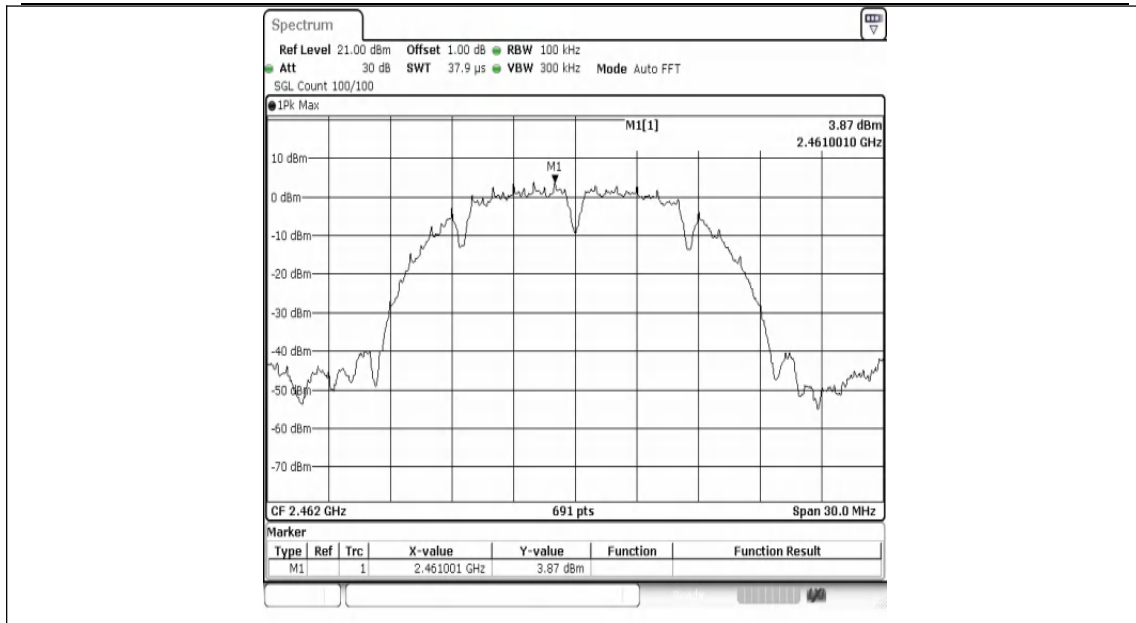


11B-Ant1-2412-1000~26500-PASS

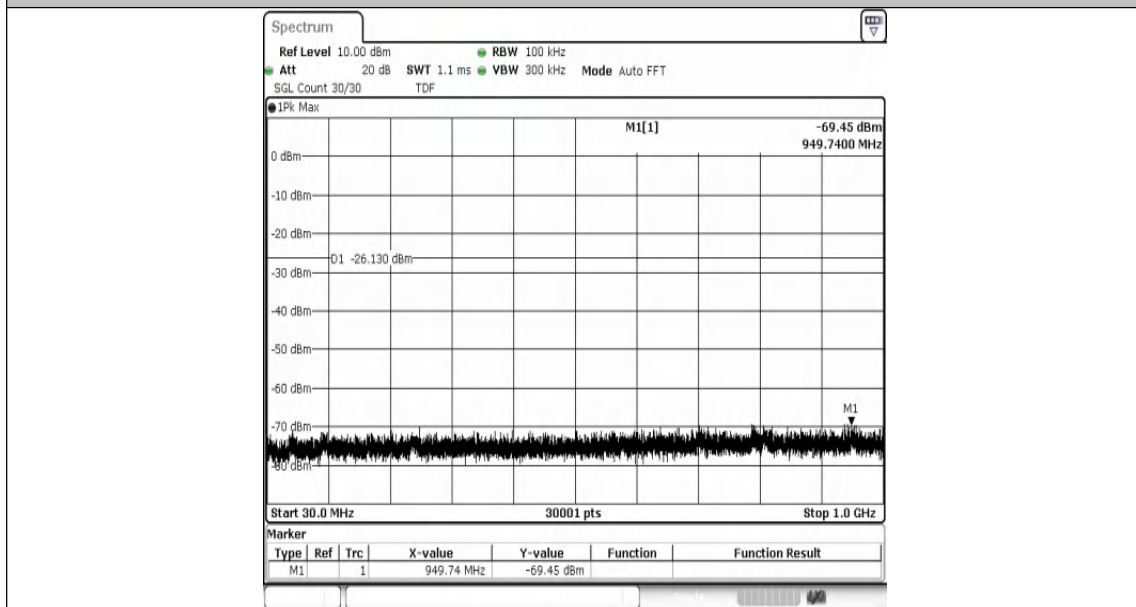


11B-Ant1-2437-0~Reference-PASS

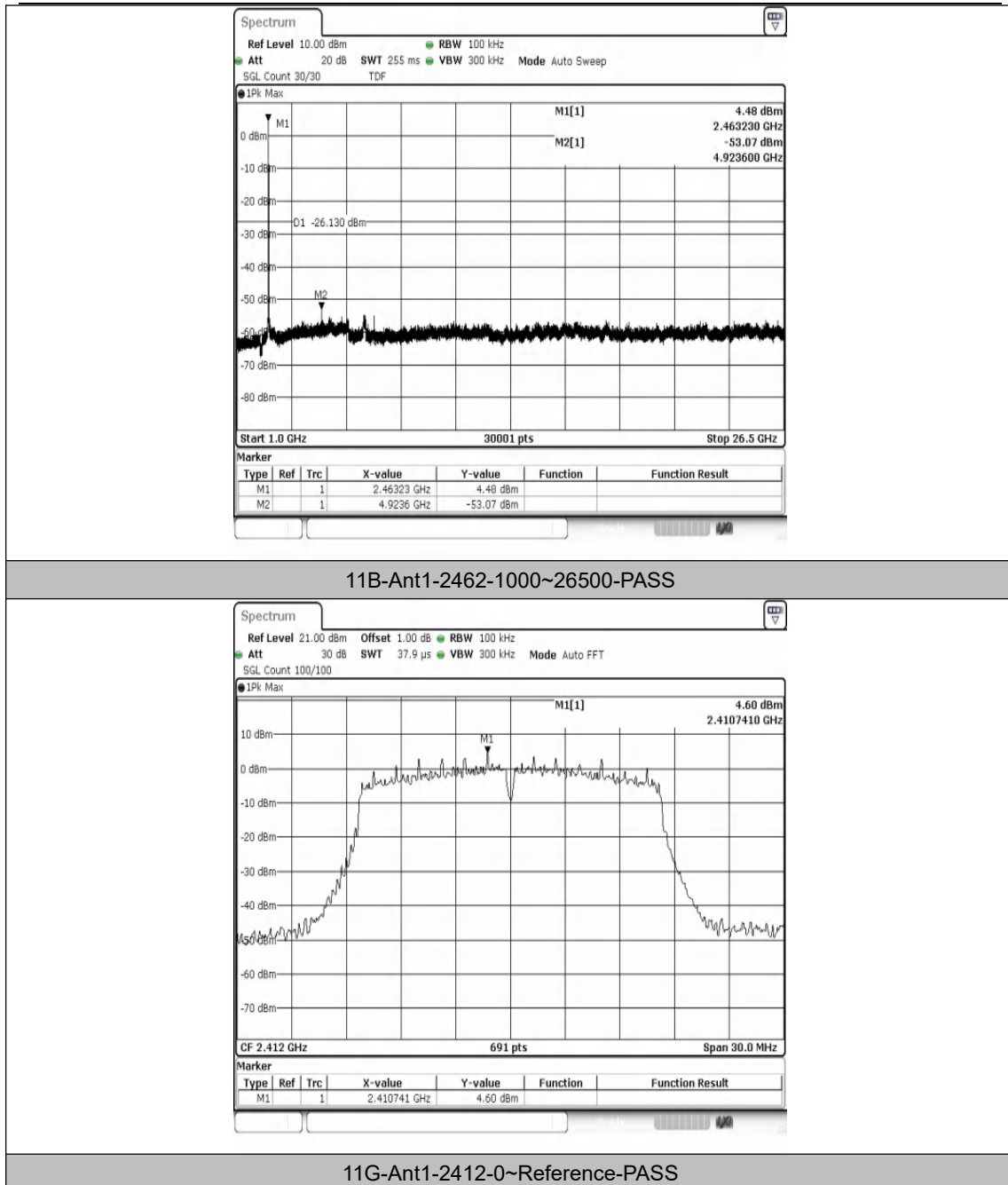


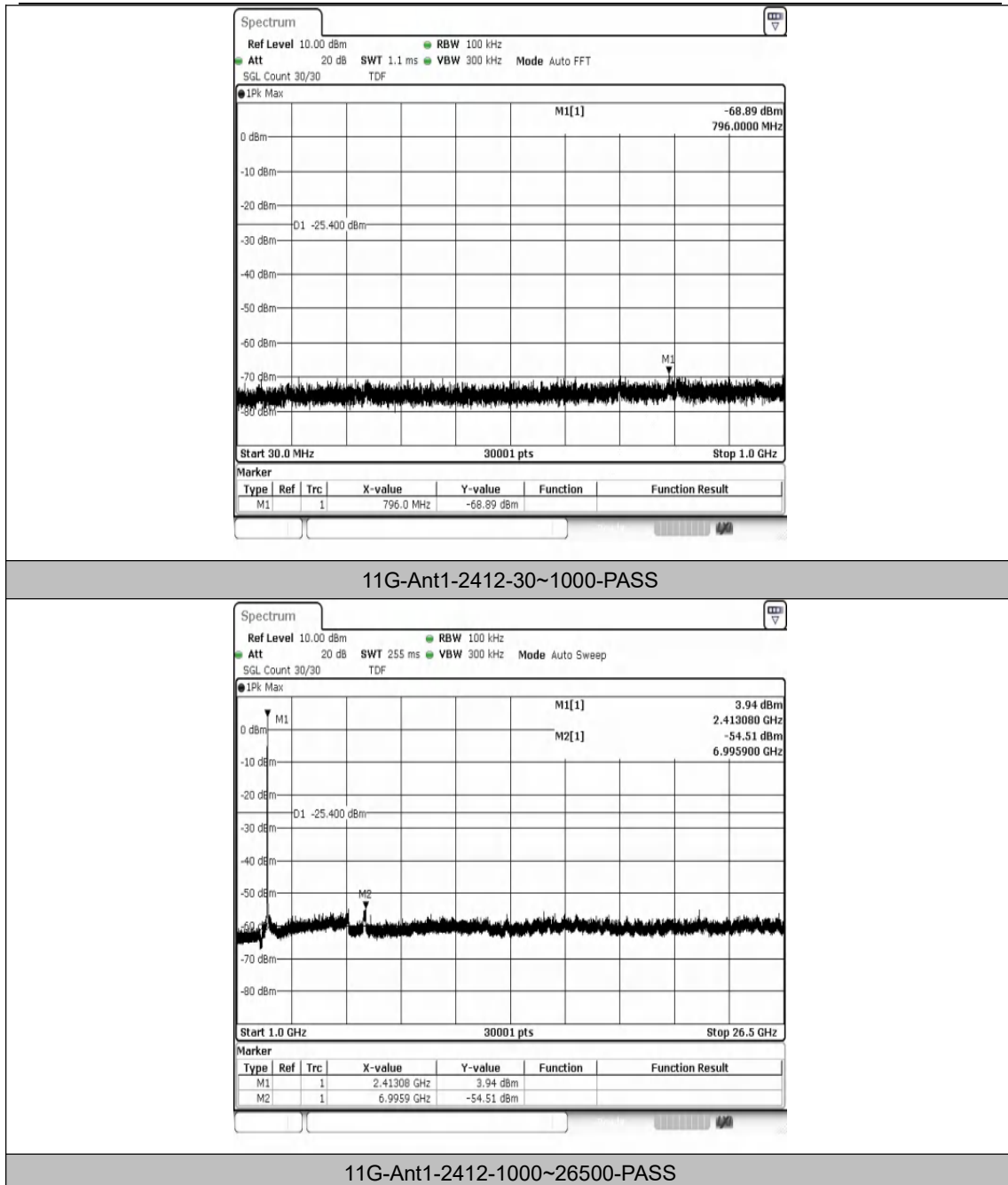


11B-Ant1-2462-0~Reference-PASS



11B-Ant1-2462-30~1000-PASS

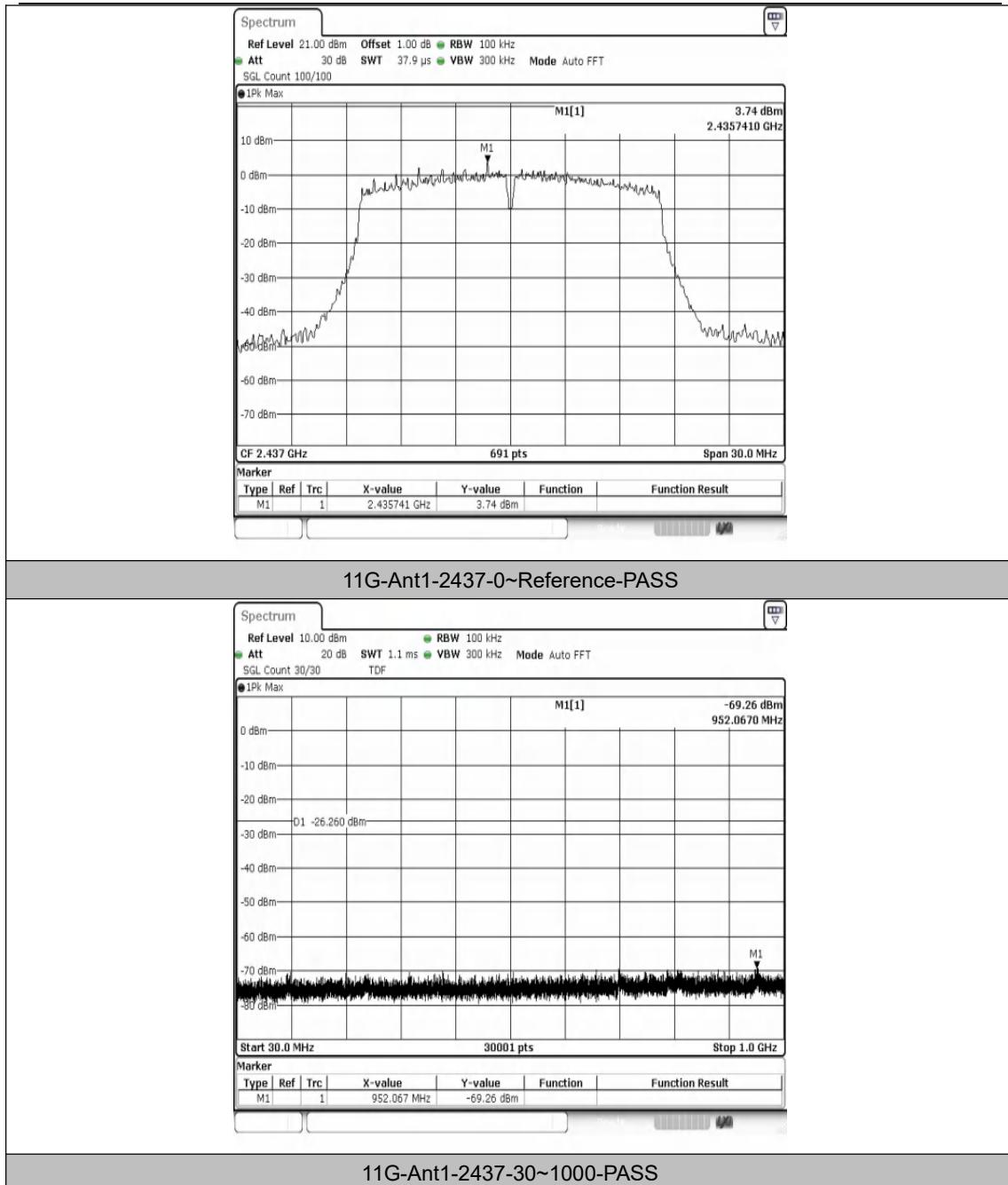




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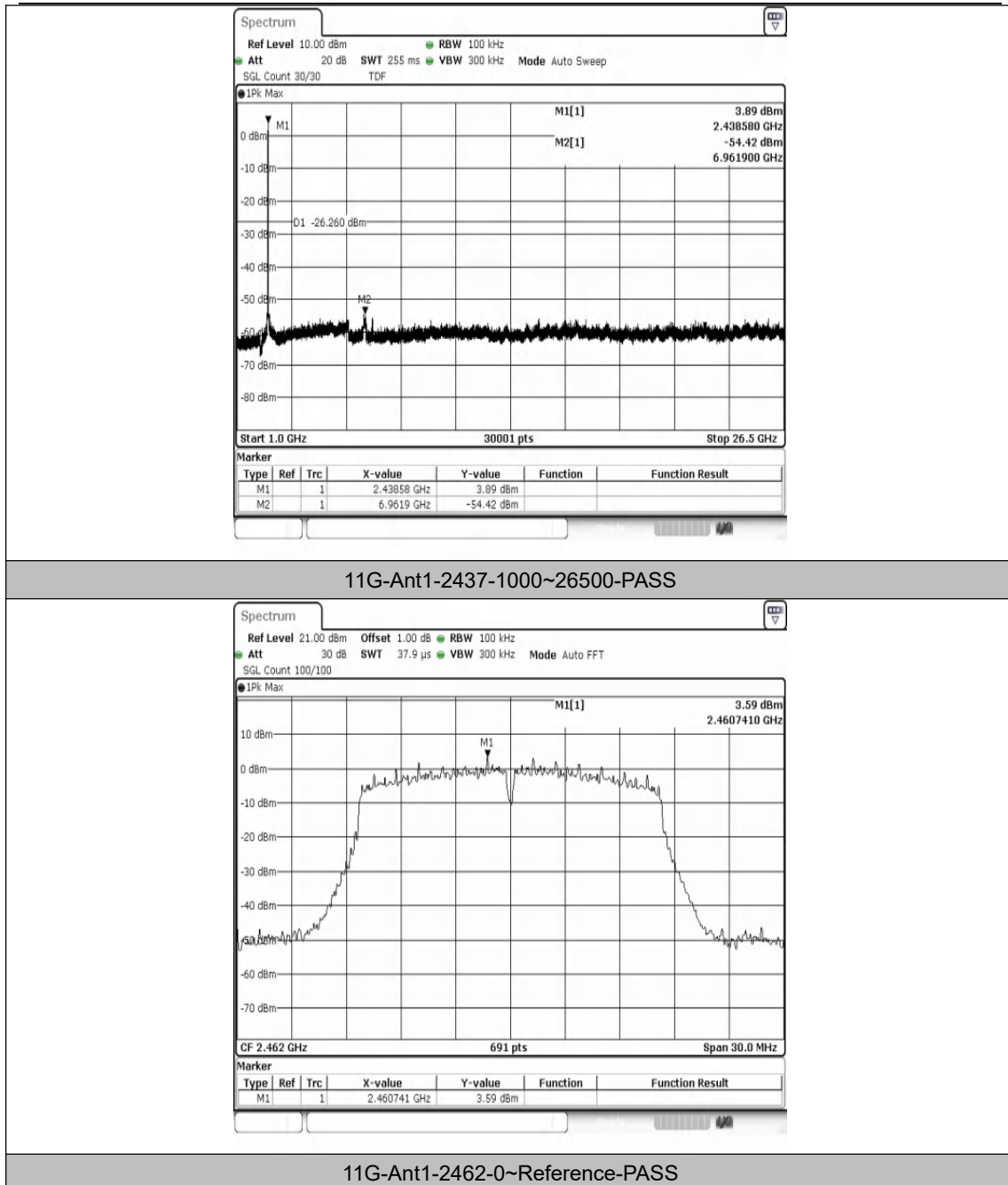
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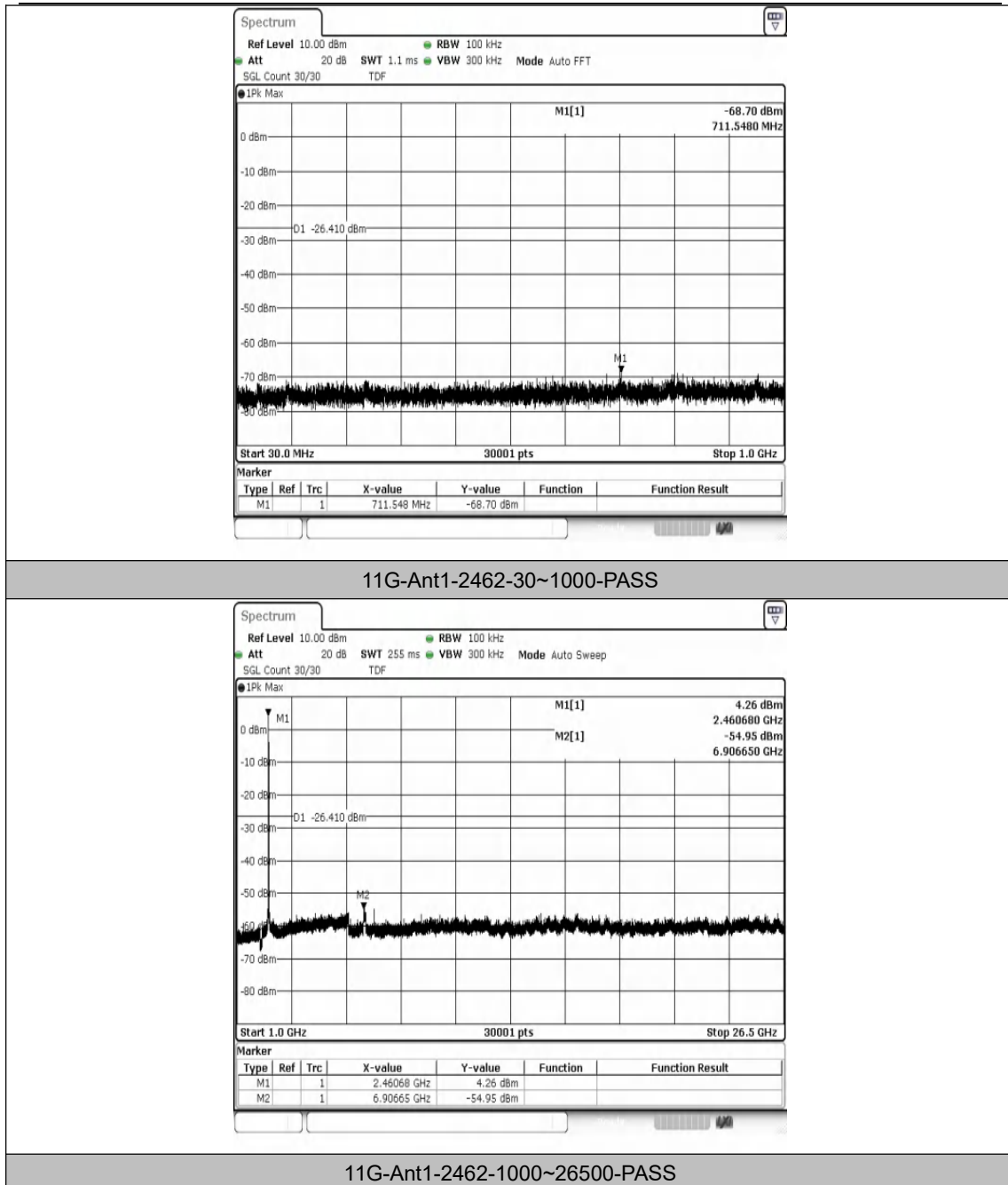


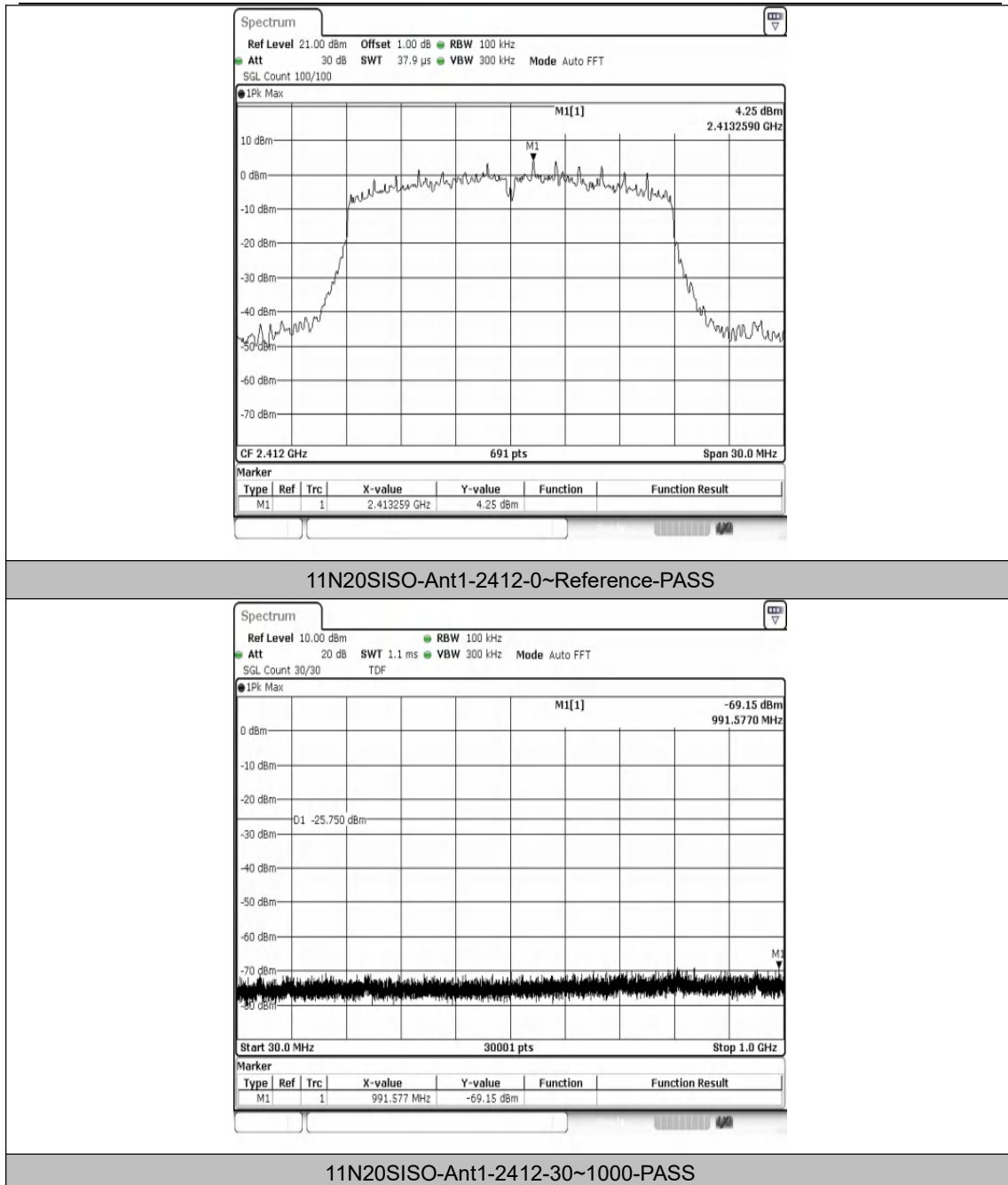
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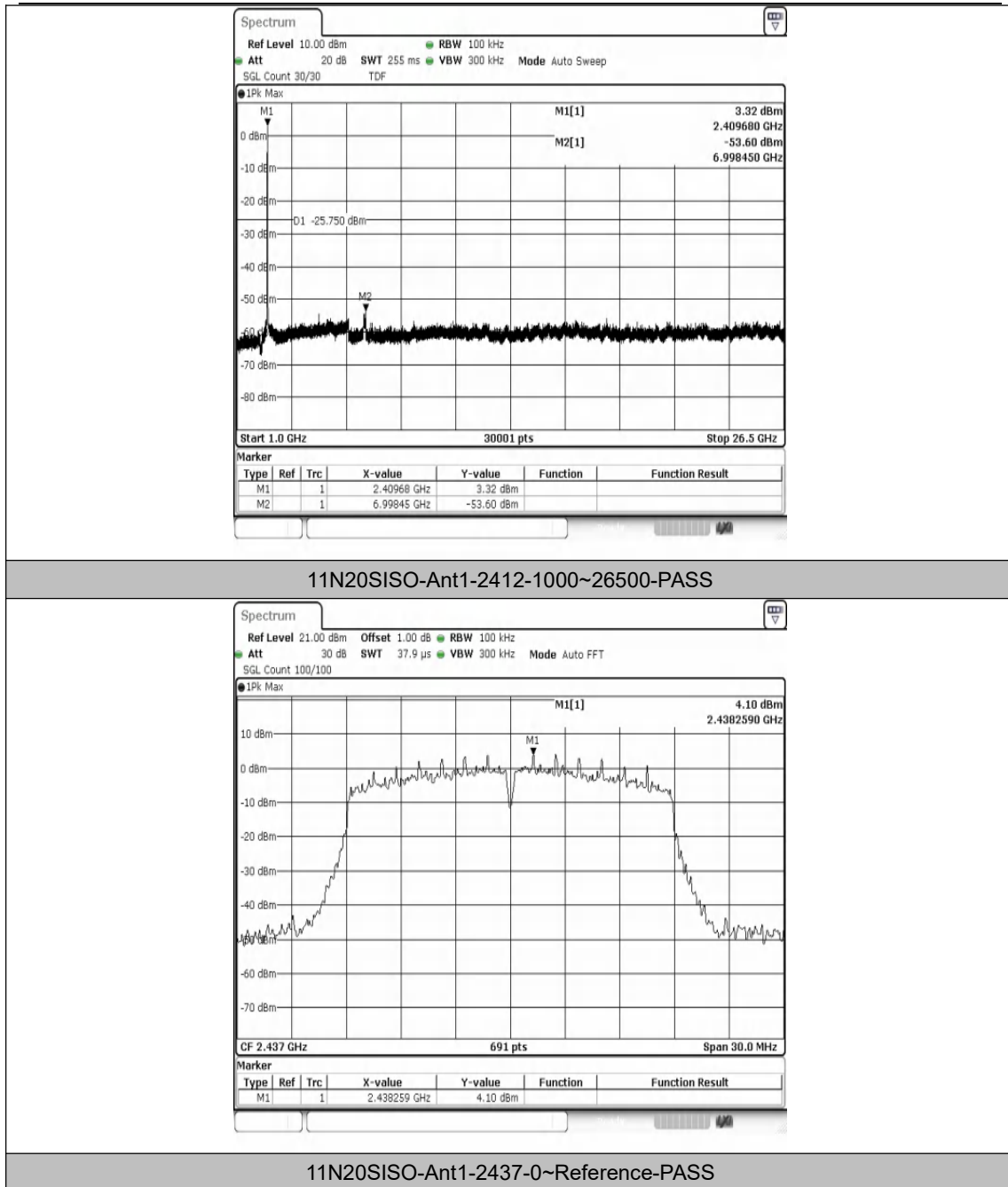
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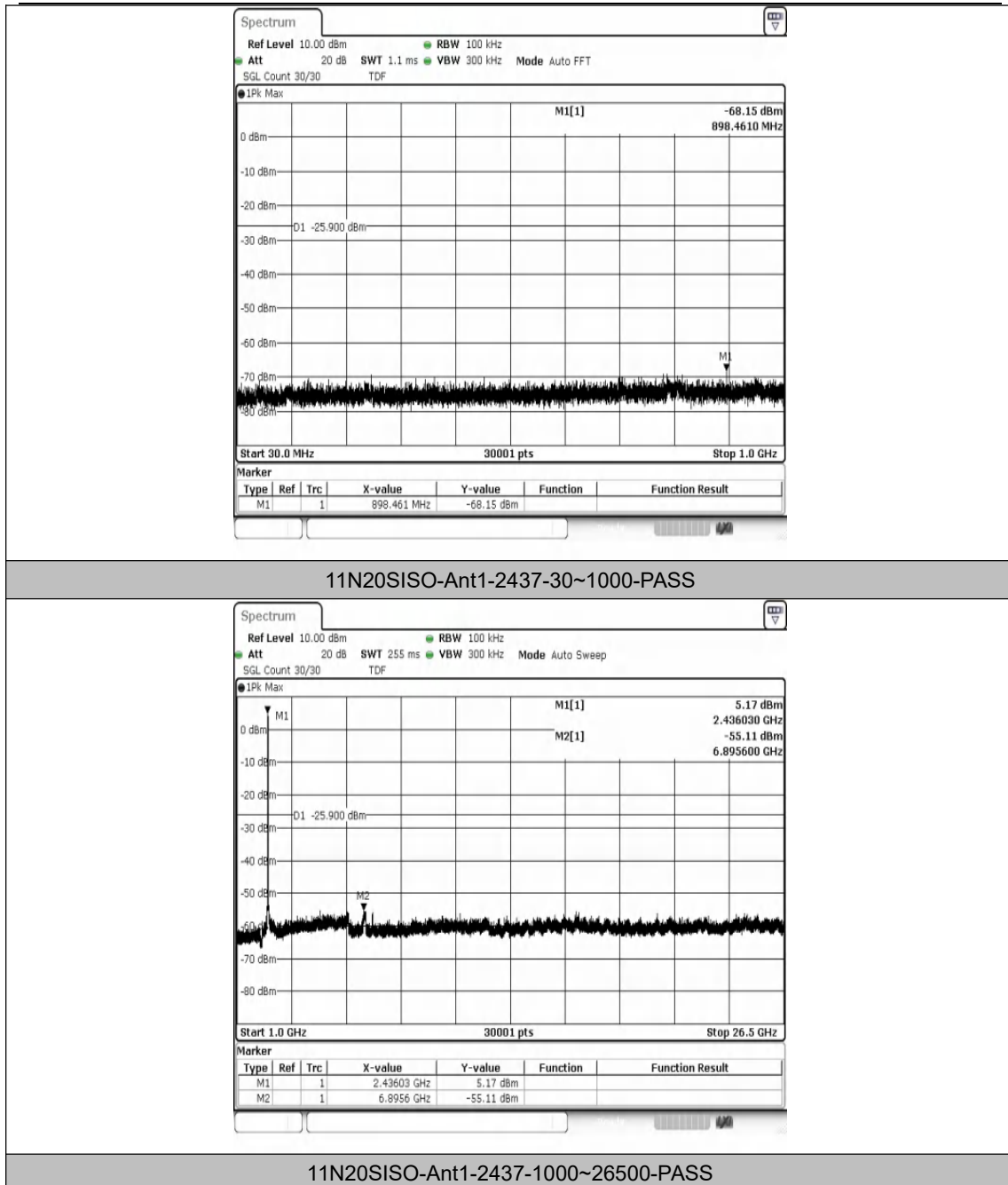
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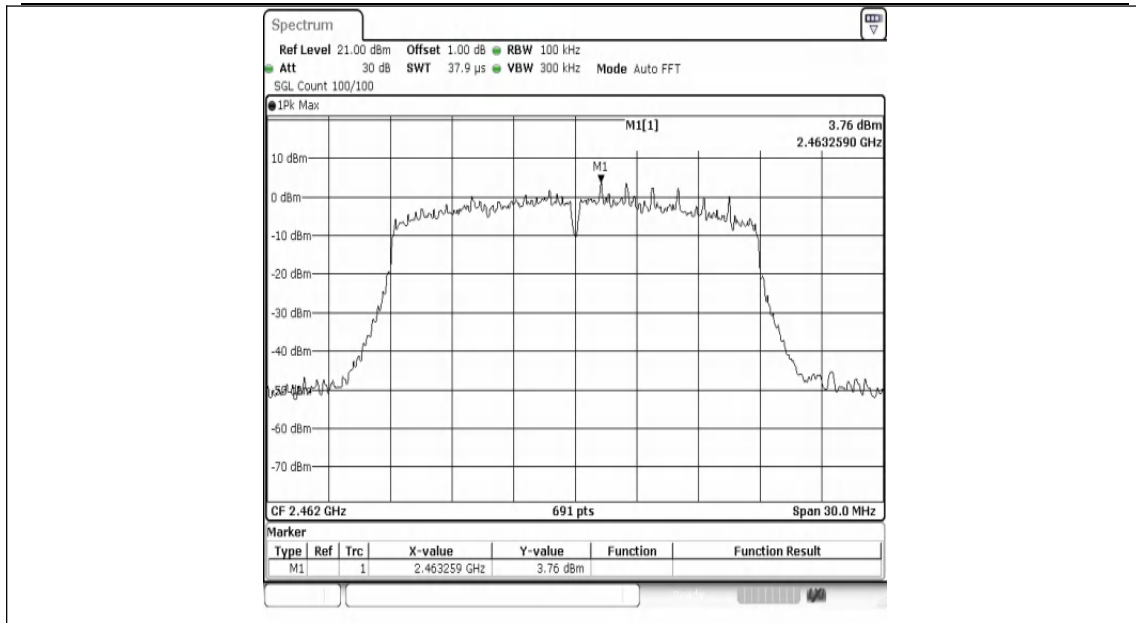




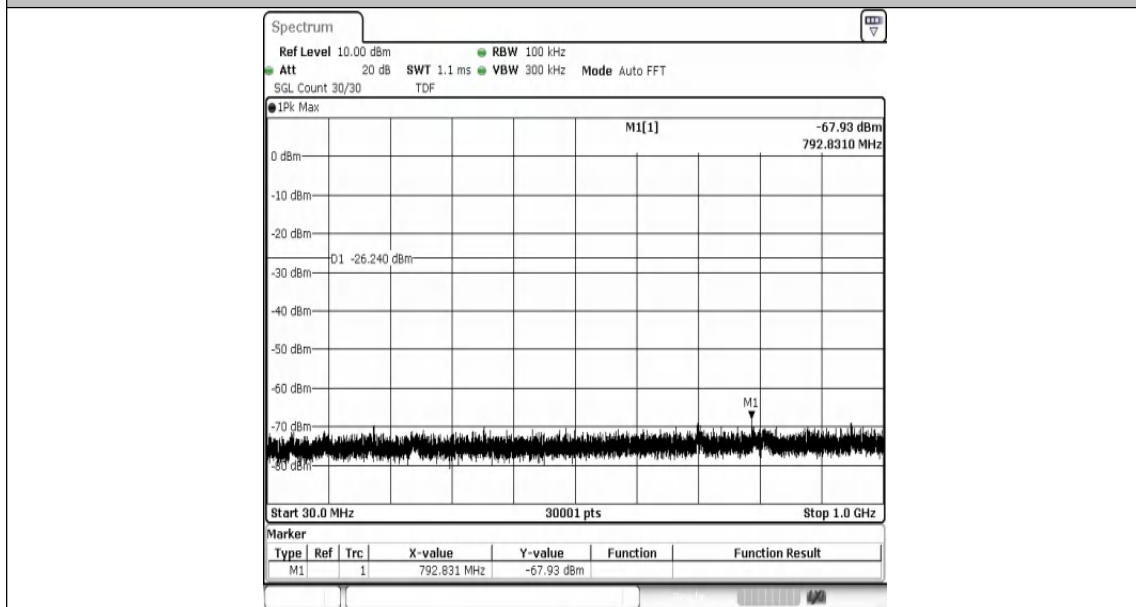
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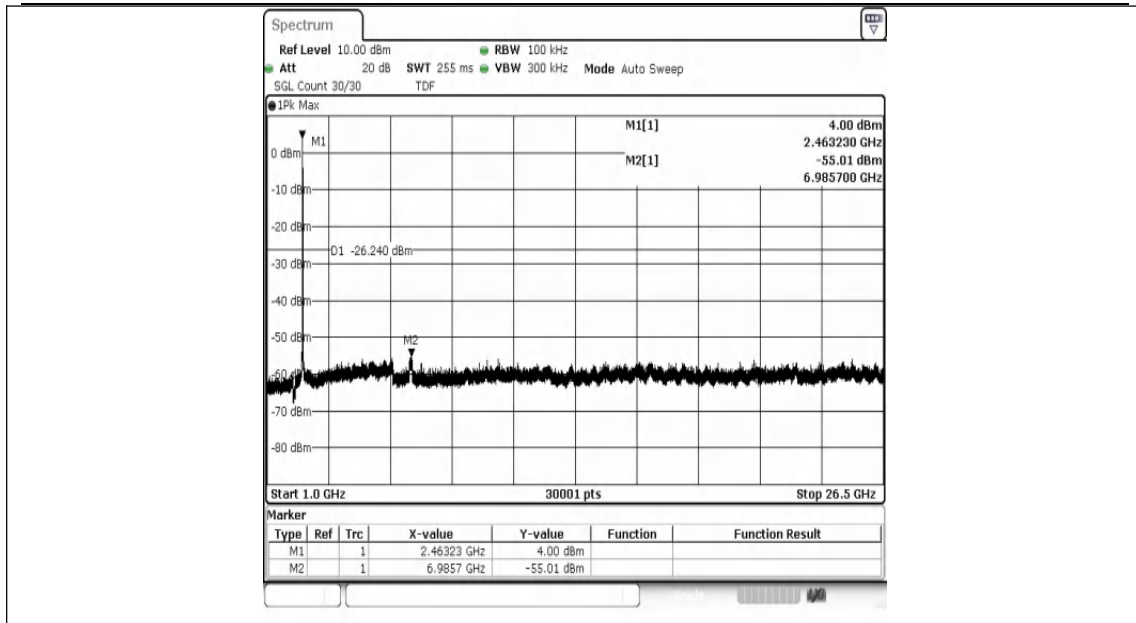
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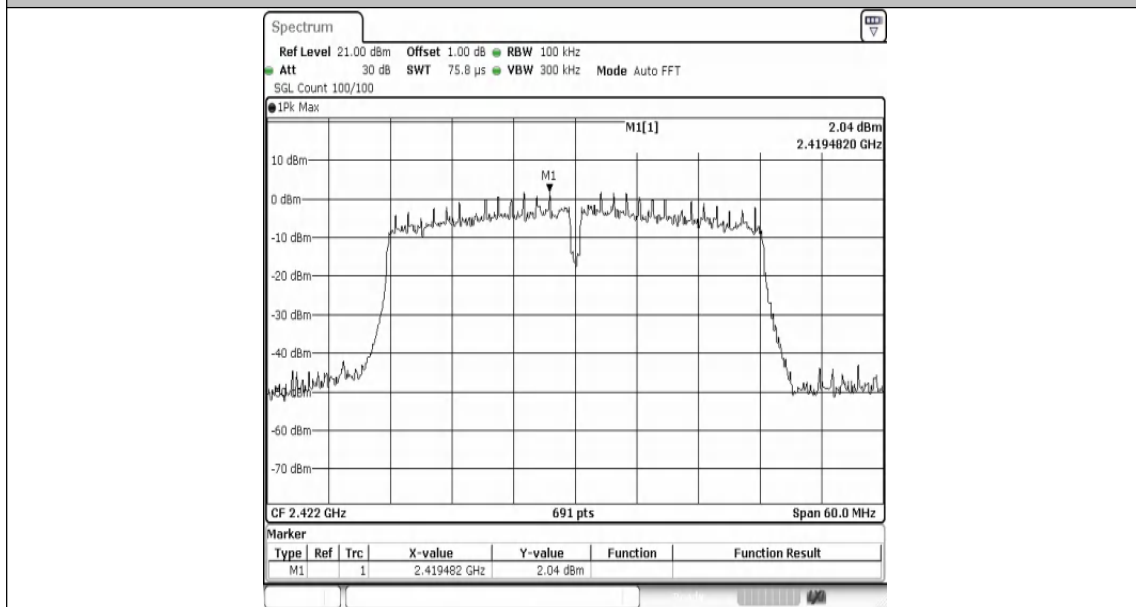
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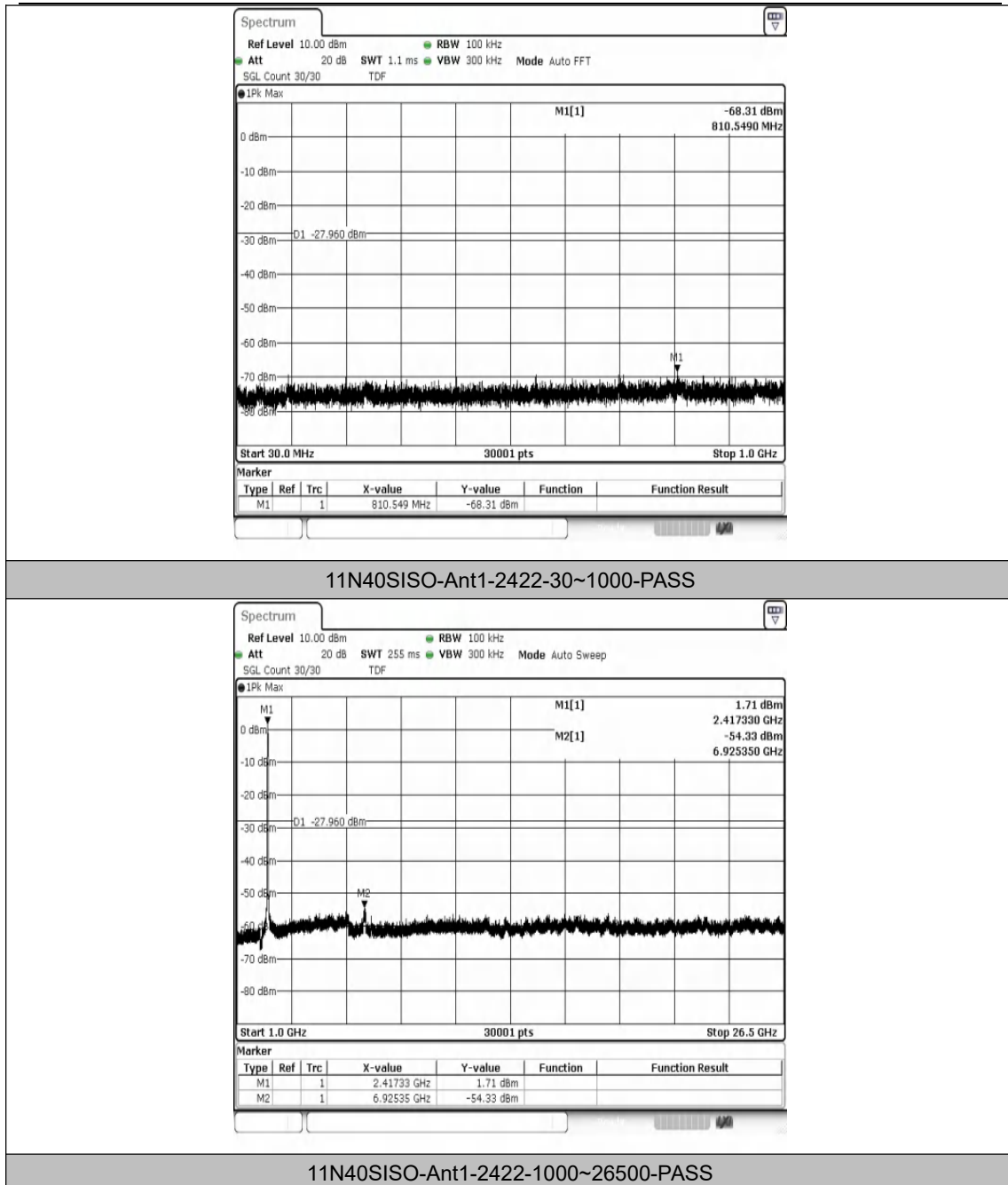
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11N20SISO-Ant1-2462-1000~26500-PASS



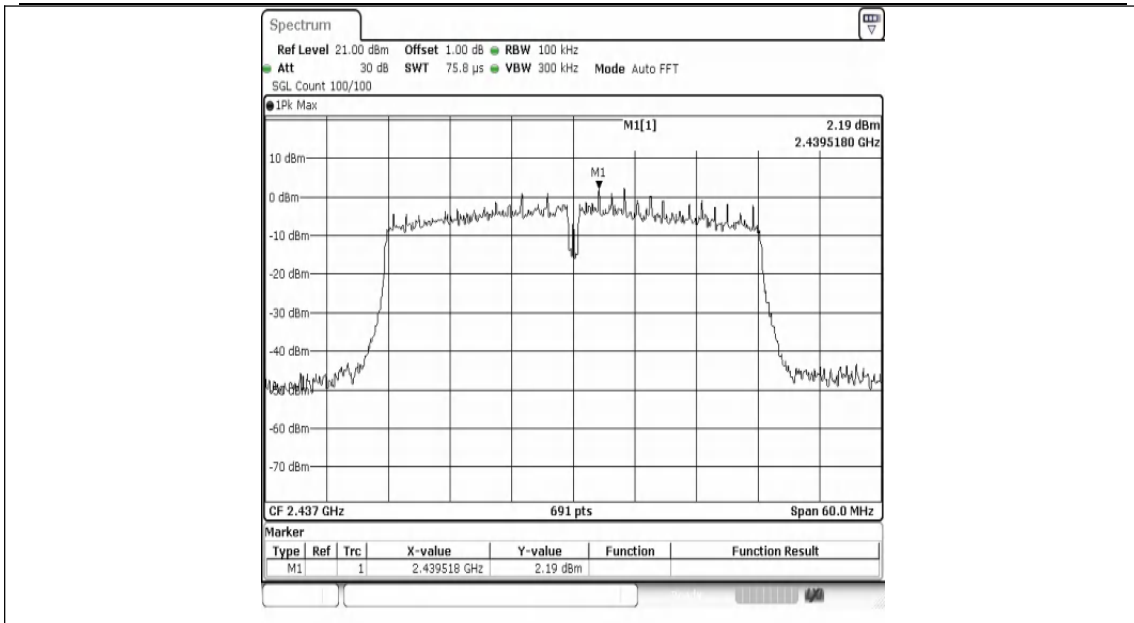
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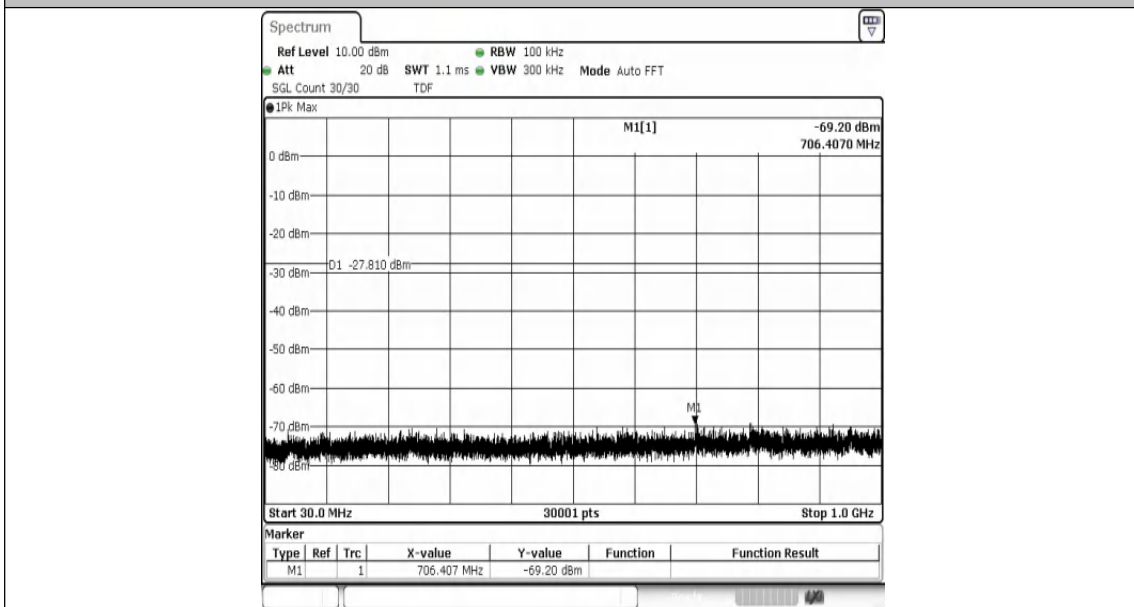
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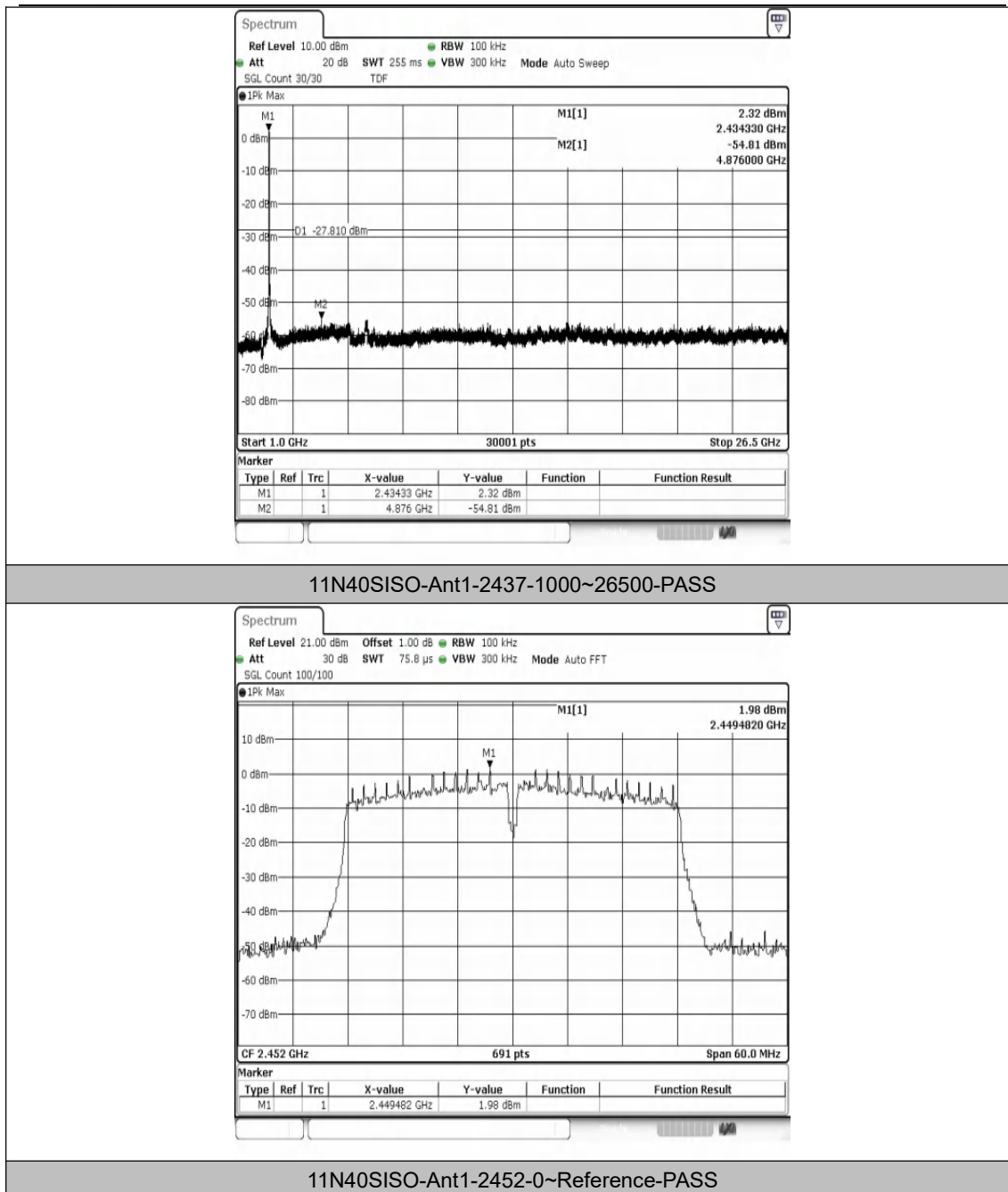
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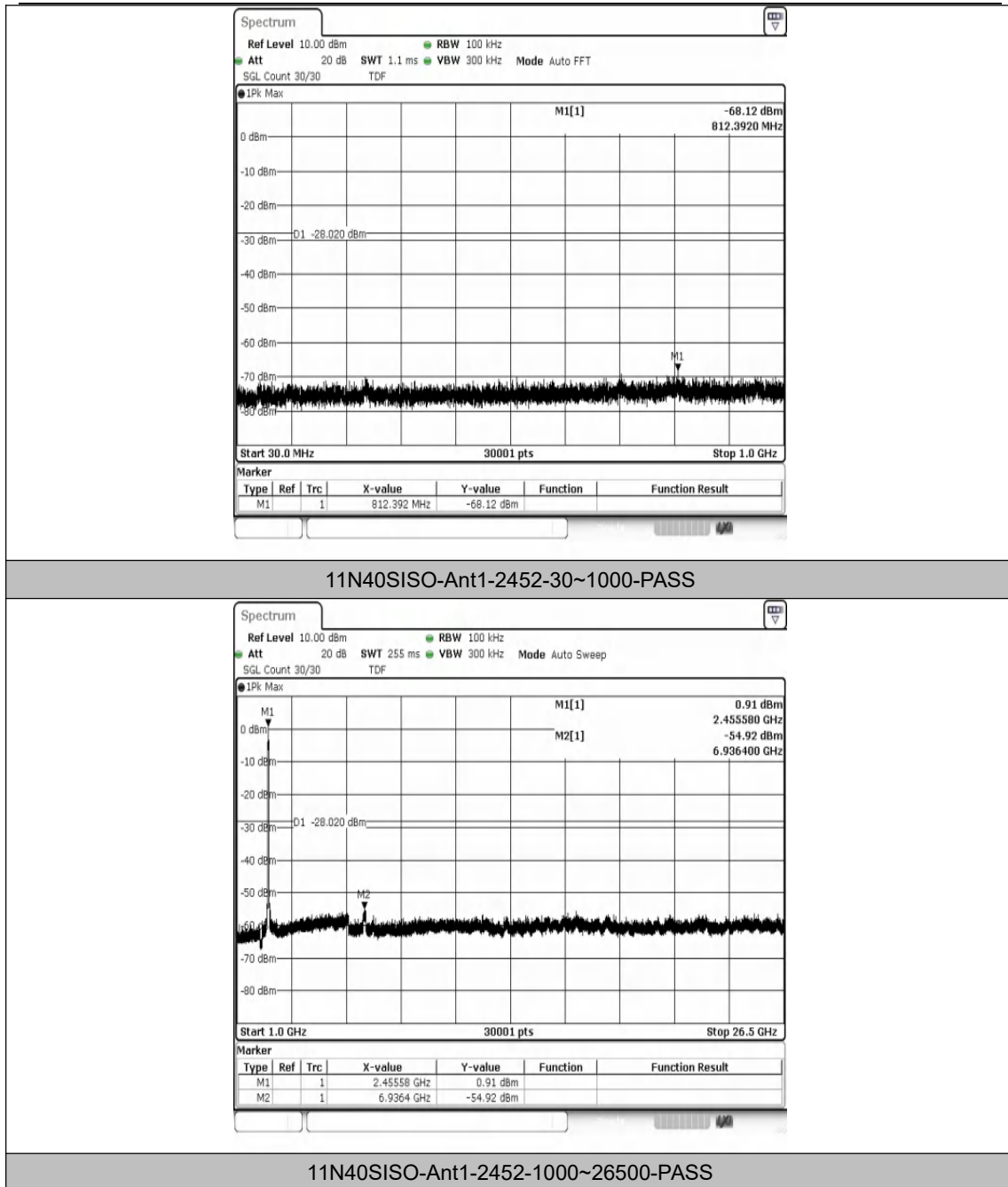


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11N40SISO-Ant1-2437-30~1000-PASS



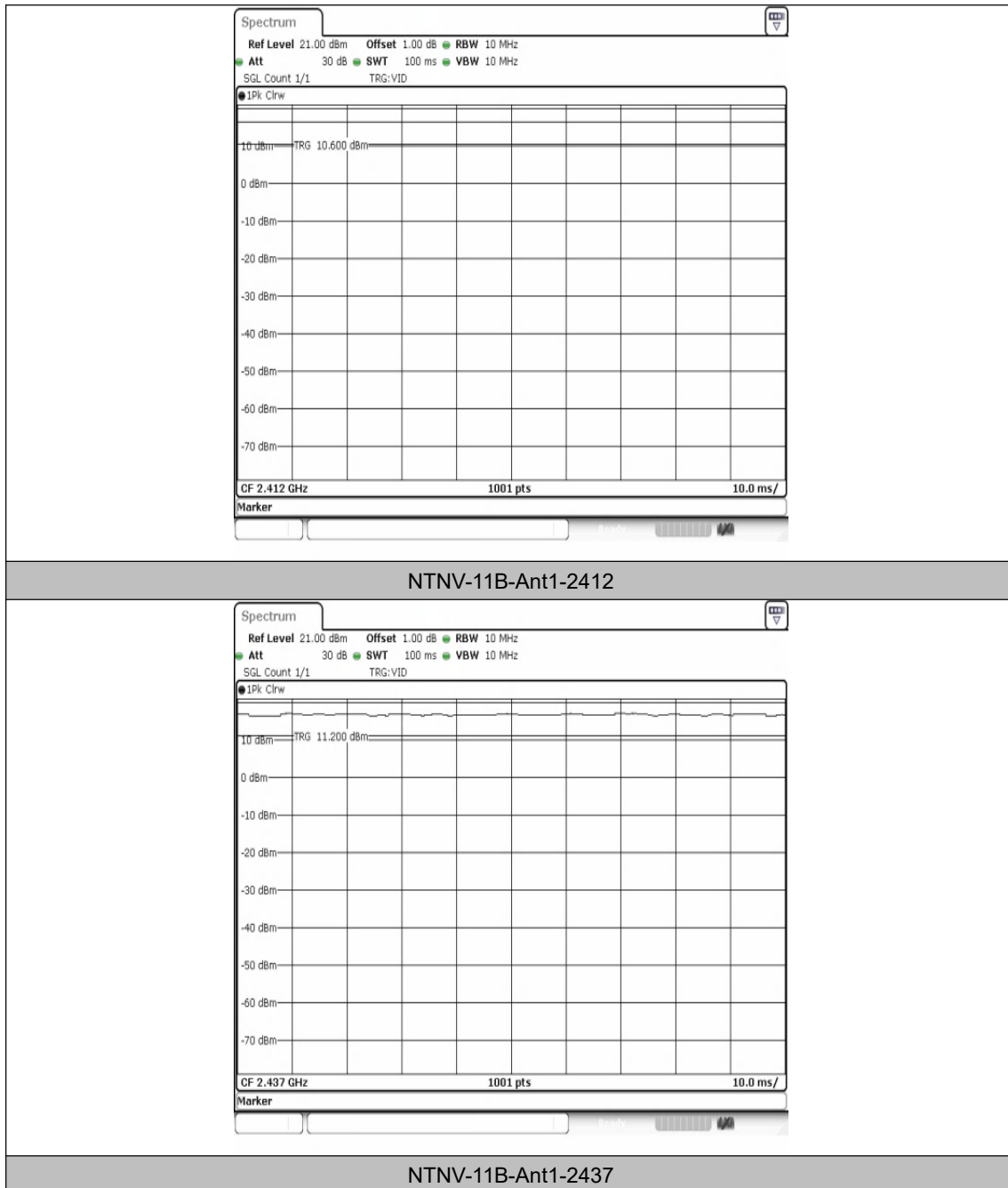


Appendix G: Duty Cycle

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

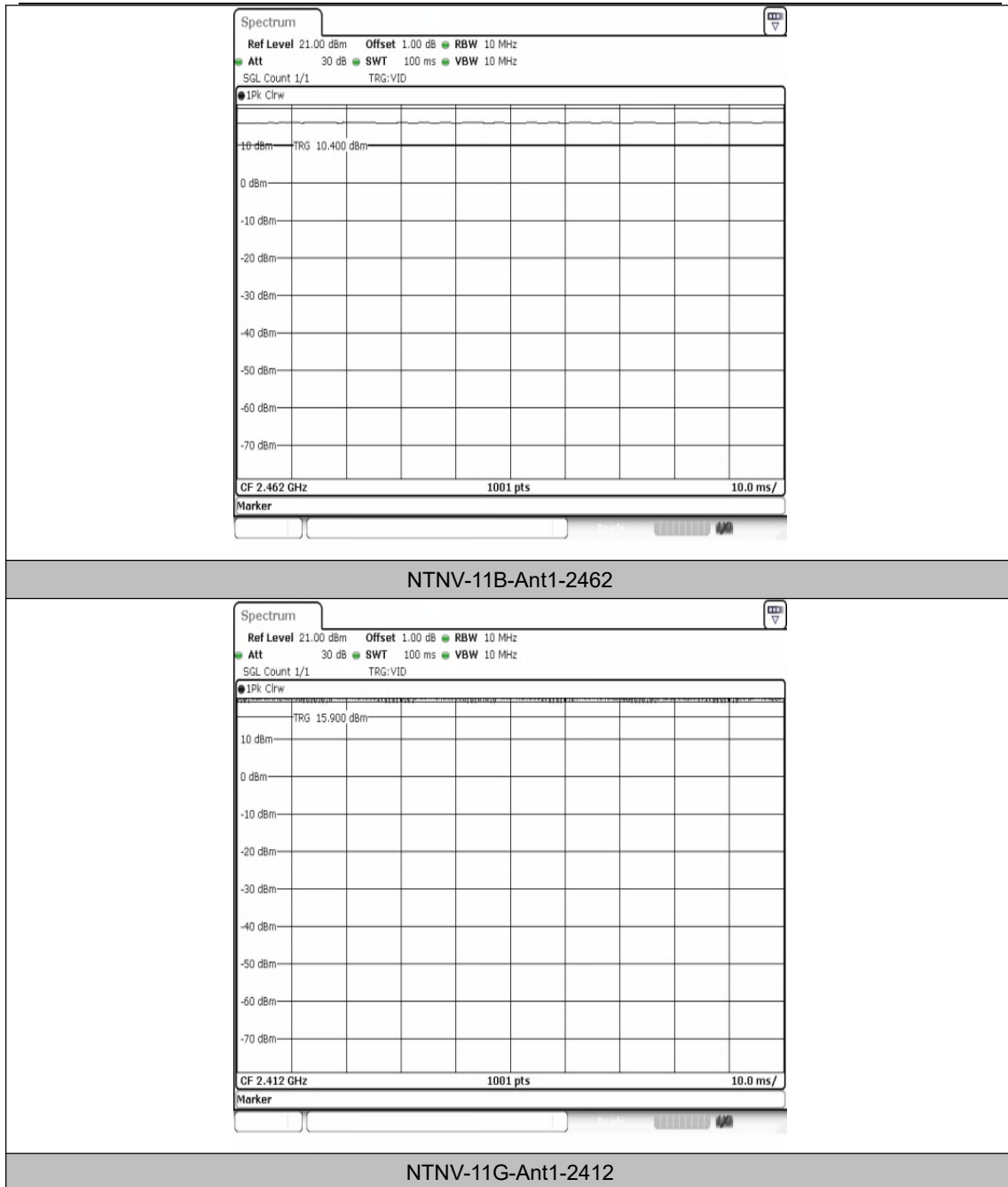
Test Graphs



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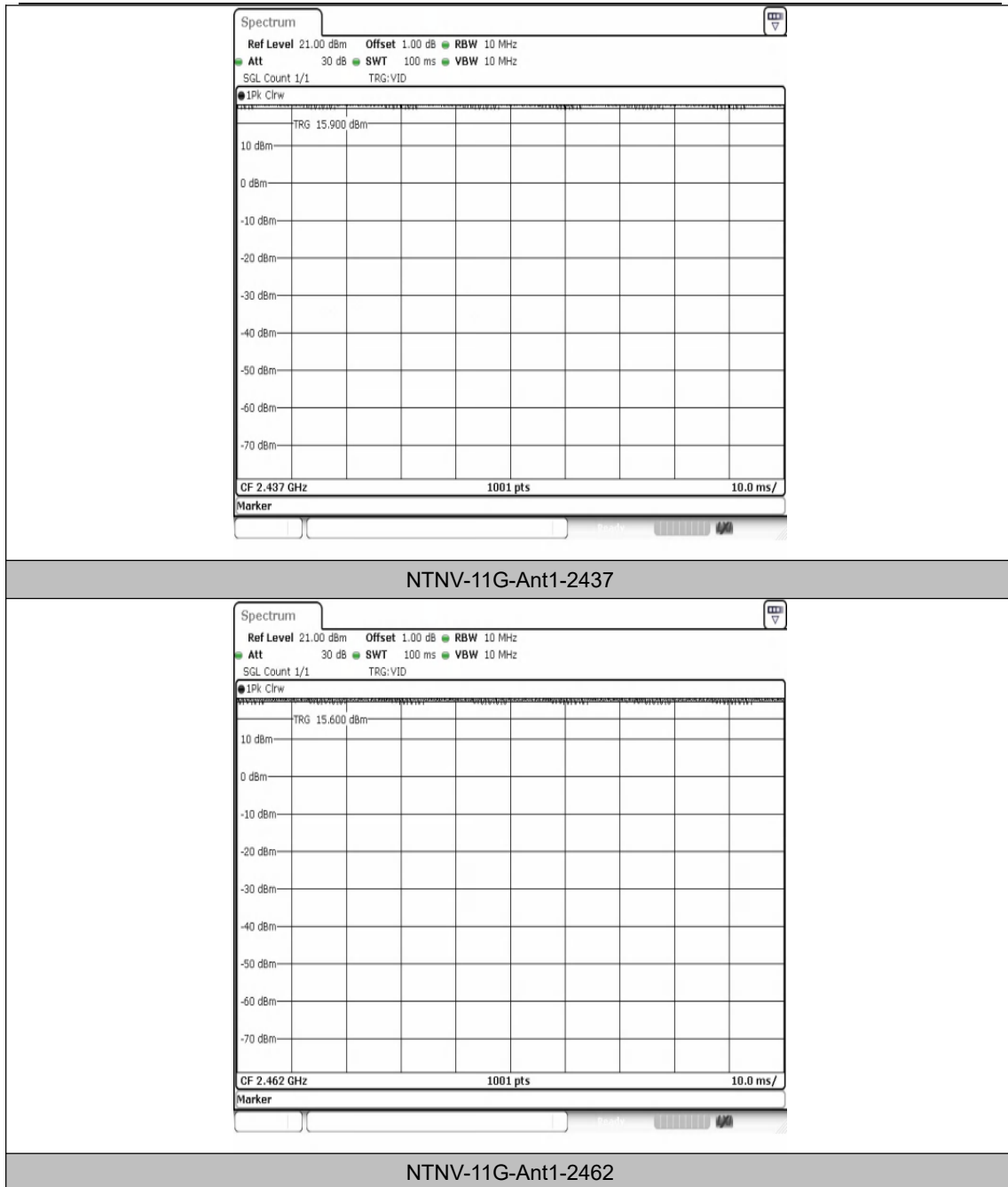
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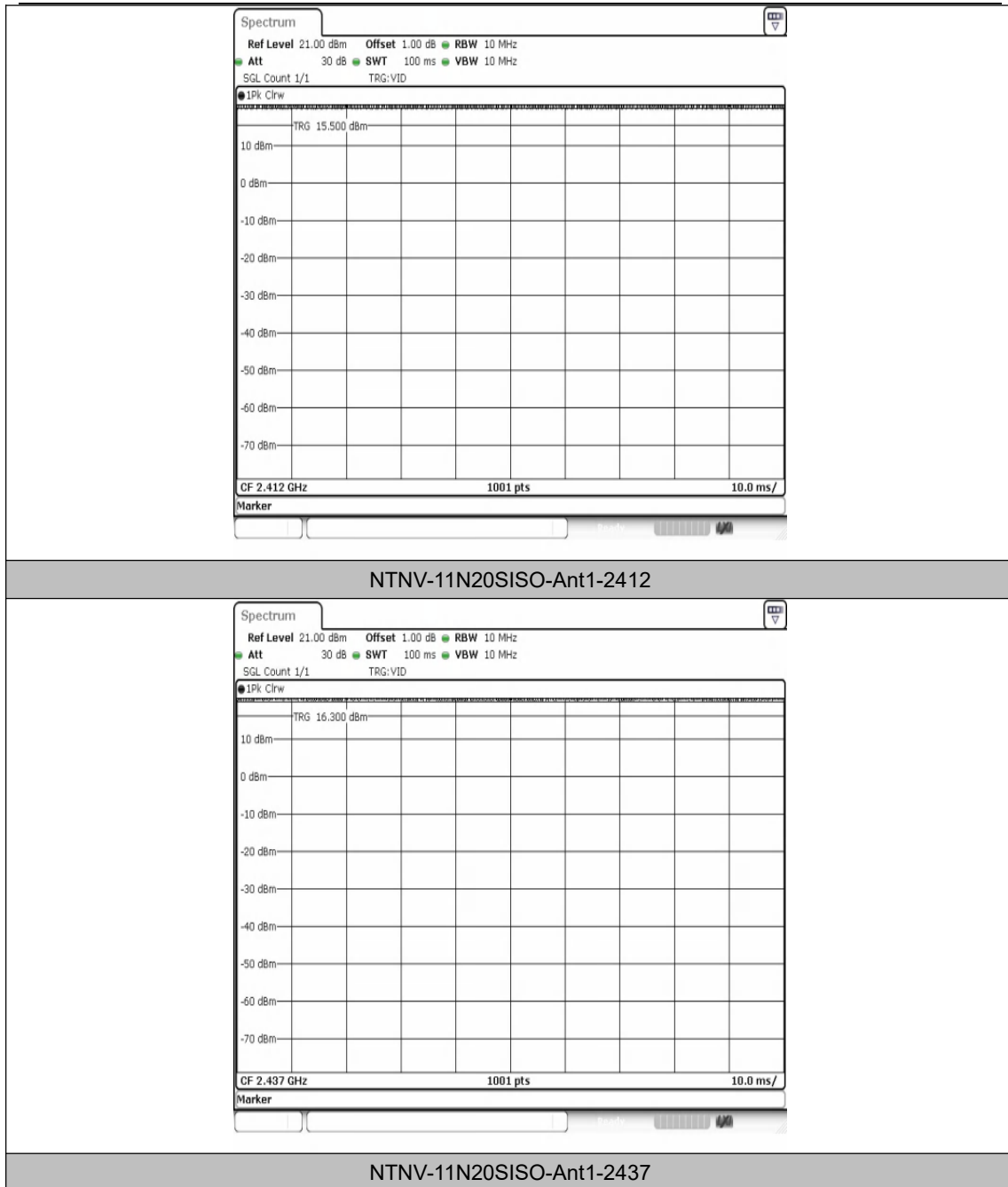
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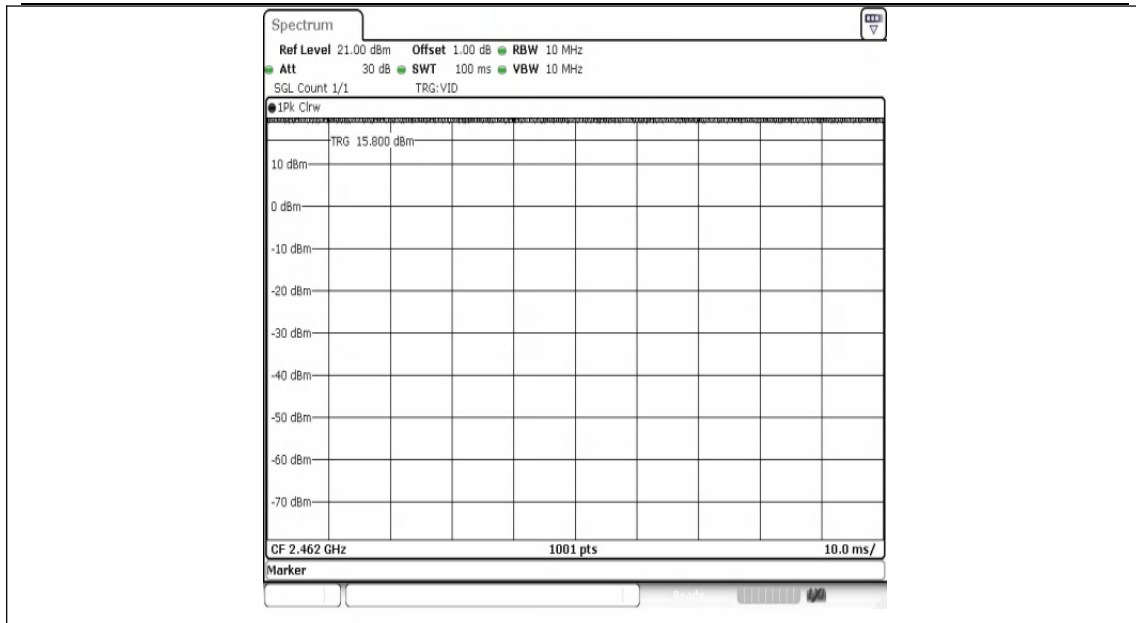
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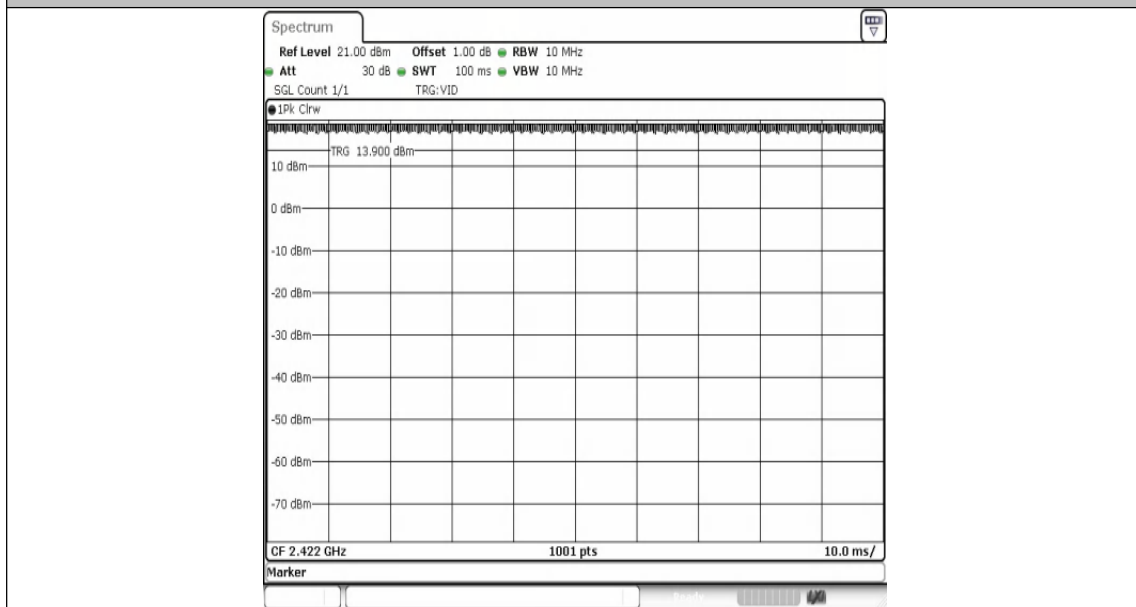
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NTNV-11N20SISO-Ant1-2462



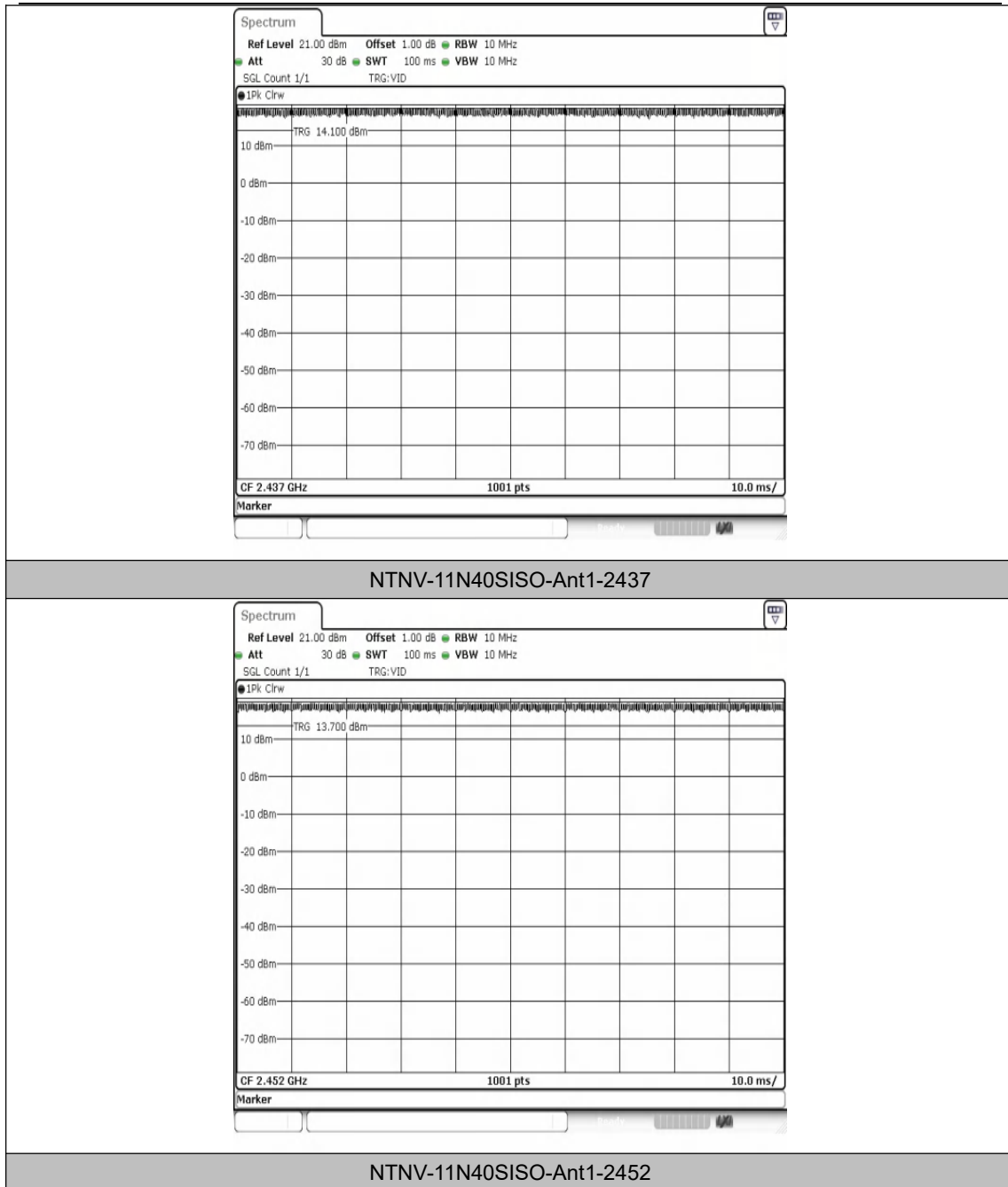
NTNV-11N40SISO-Ant1-2422

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