

Appendix Test Data

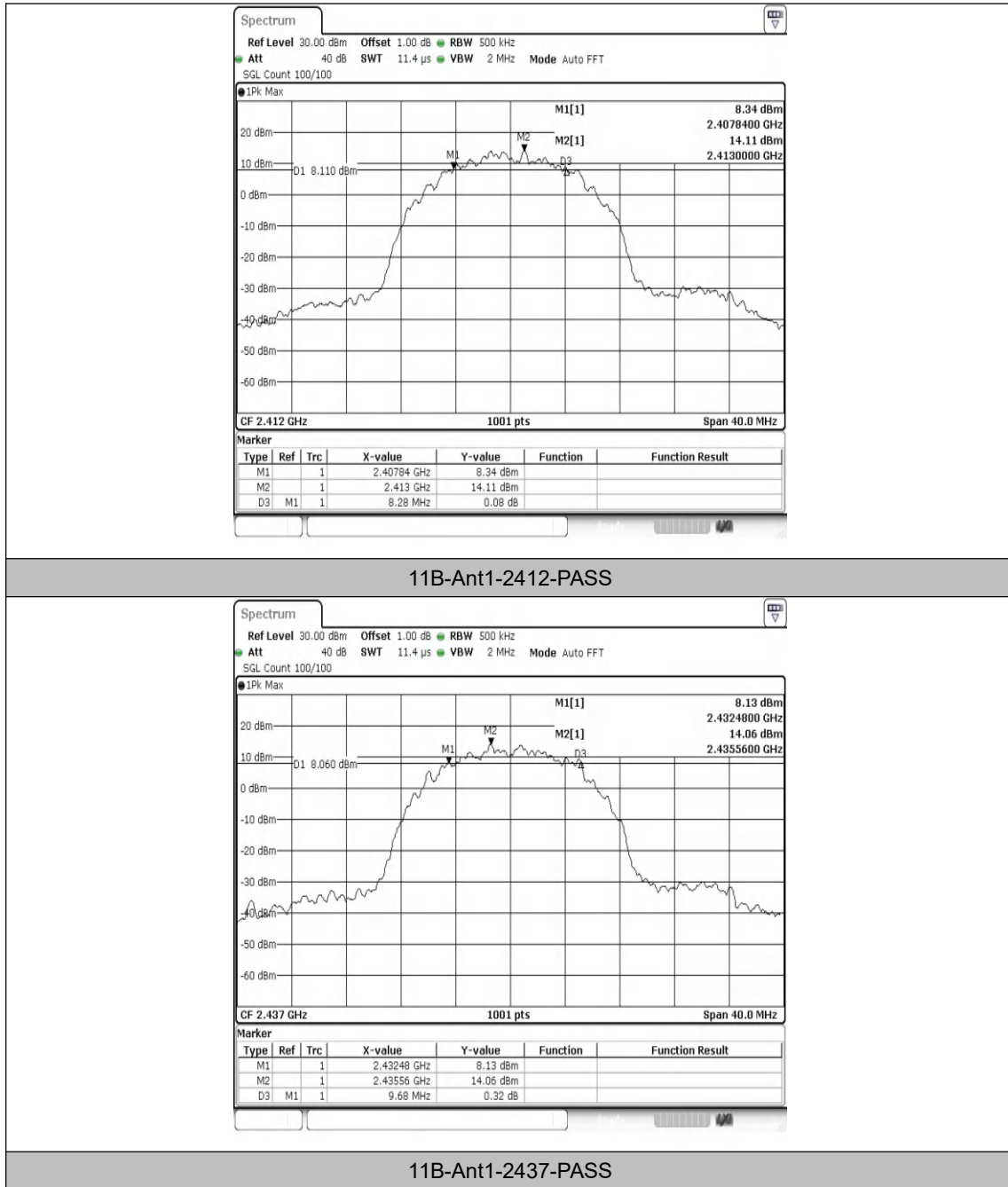
Report No.:	1813C50213512502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-19	Finish Test Date:	2025-7-21
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.1°C	Relative Humidity:	66%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.28	2407.84	2416.12	0.5	PASS
11B	Ant1	2437	9.68	2432.48	2442.16	0.5	PASS
11B	Ant1	2462	8.68	2457.36	2466.04	0.5	PASS
11G	Ant1	2412	16.40	2403.84	2420.24	0.5	PASS
11G	Ant1	2437	16.48	2428.76	2445.24	0.5	PASS
11G	Ant1	2462	16.44	2453.80	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.44	2403.24	2420.68	0.5	PASS
11N20SISO	Ant1	2437	17.48	2428.28	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.36	2453.28	2470.64	0.5	PASS
11N40SISO	Ant1	2422	34.64	2404.16	2438.80	0.5	PASS
11N40SISO	Ant1	2437	35.68	2419.24	2454.92	0.5	PASS
11N40SISO	Ant1	2452	35.84	2434.00	2469.84	0.5	PASS

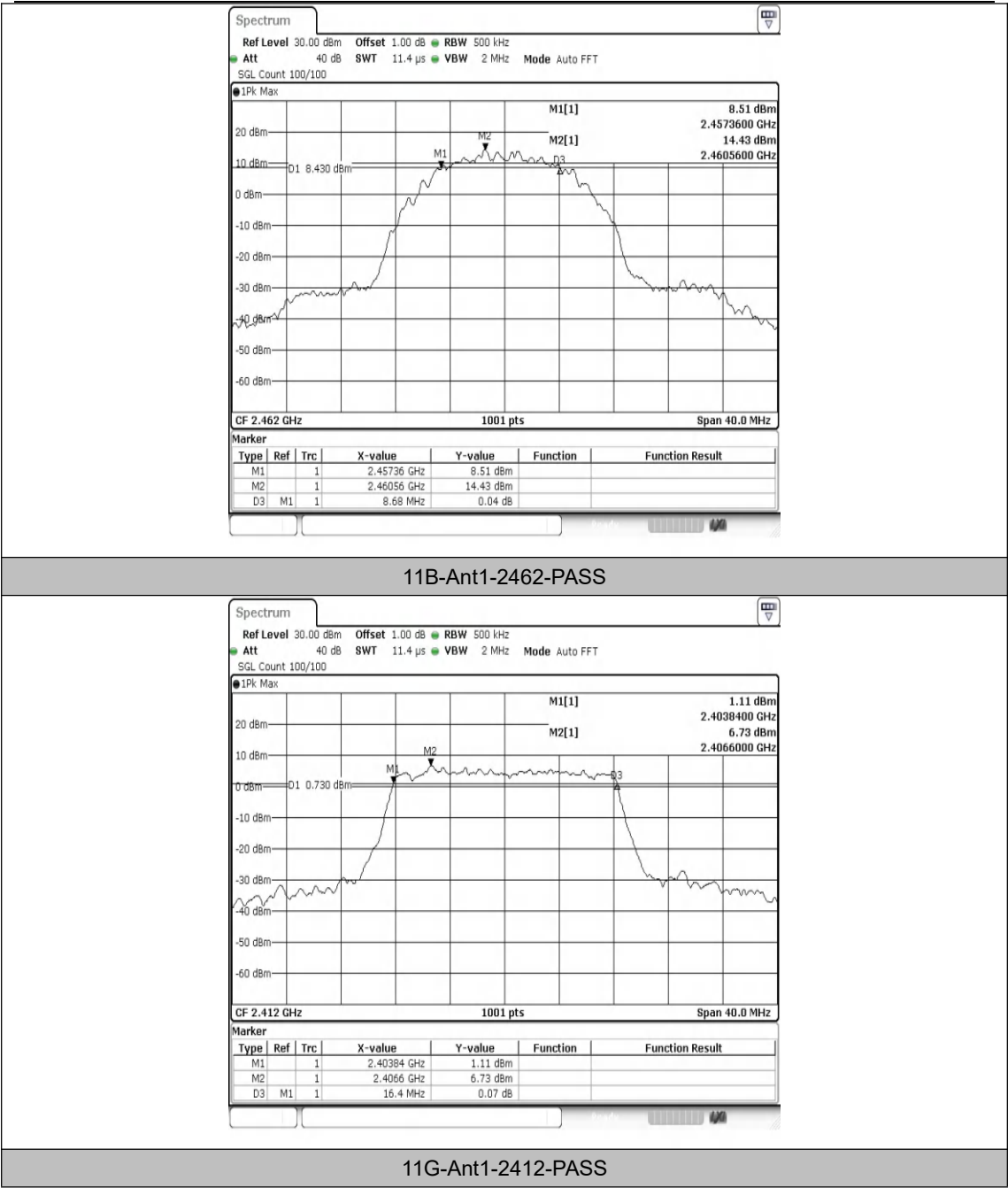
Test Graphs

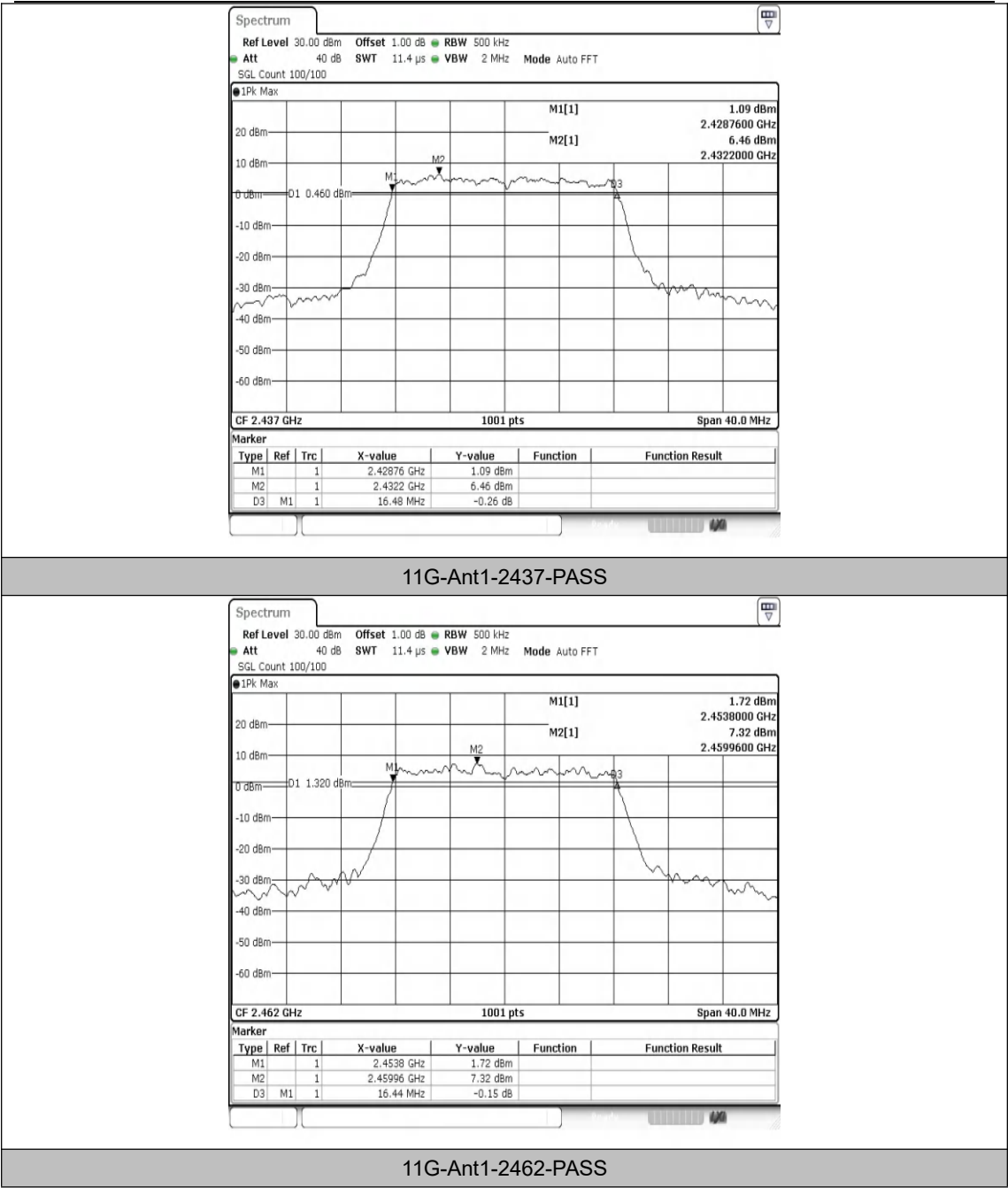


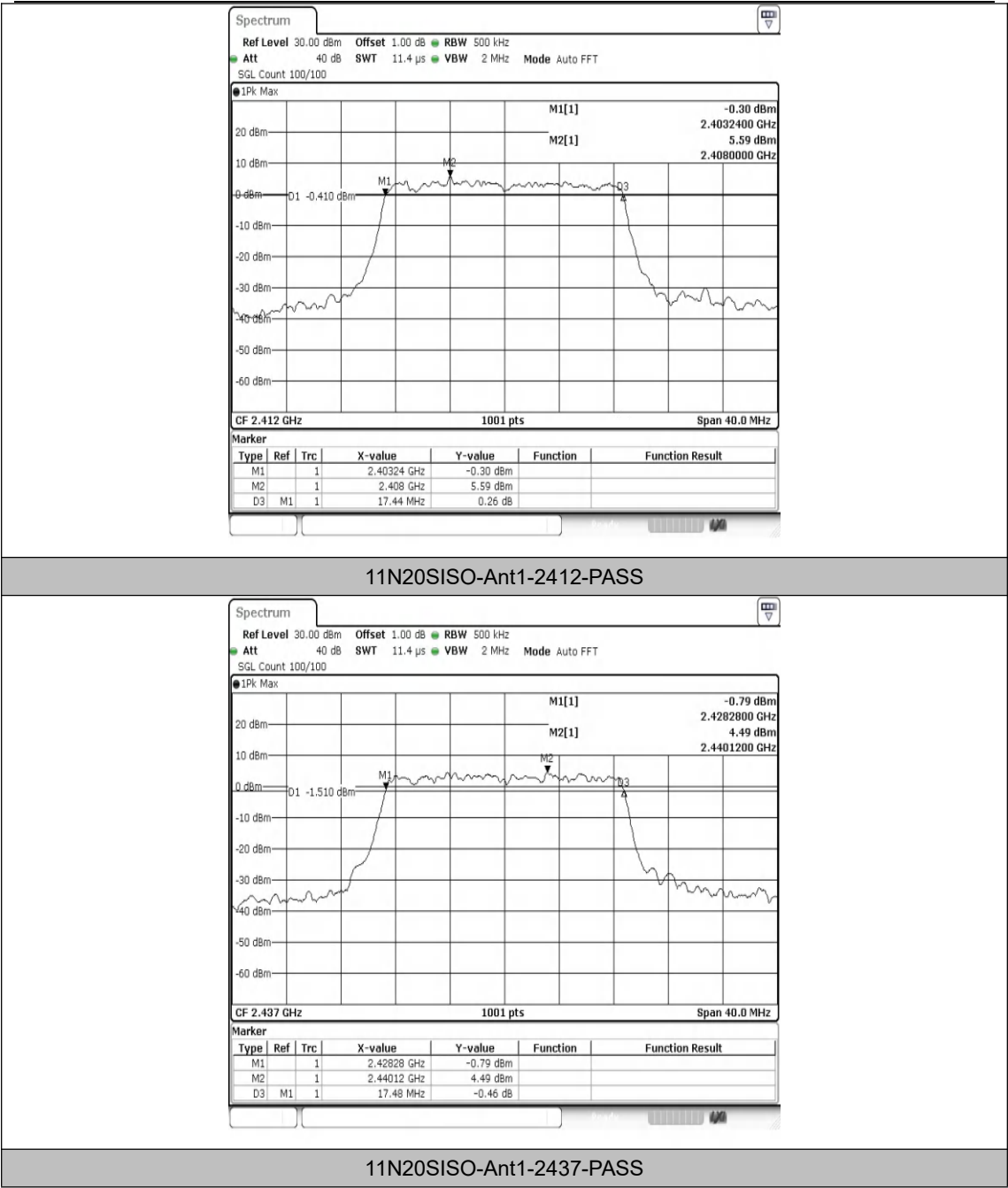
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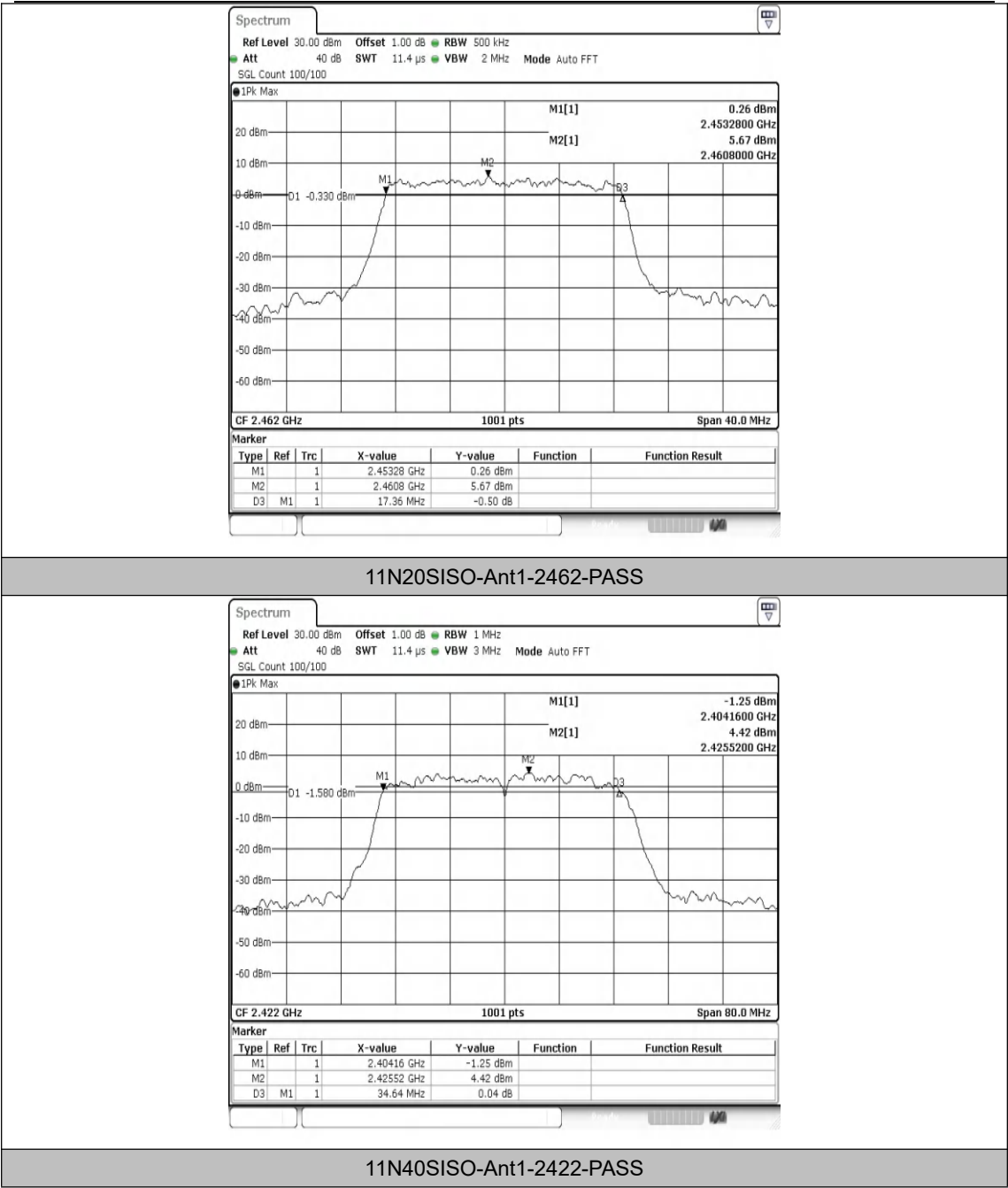
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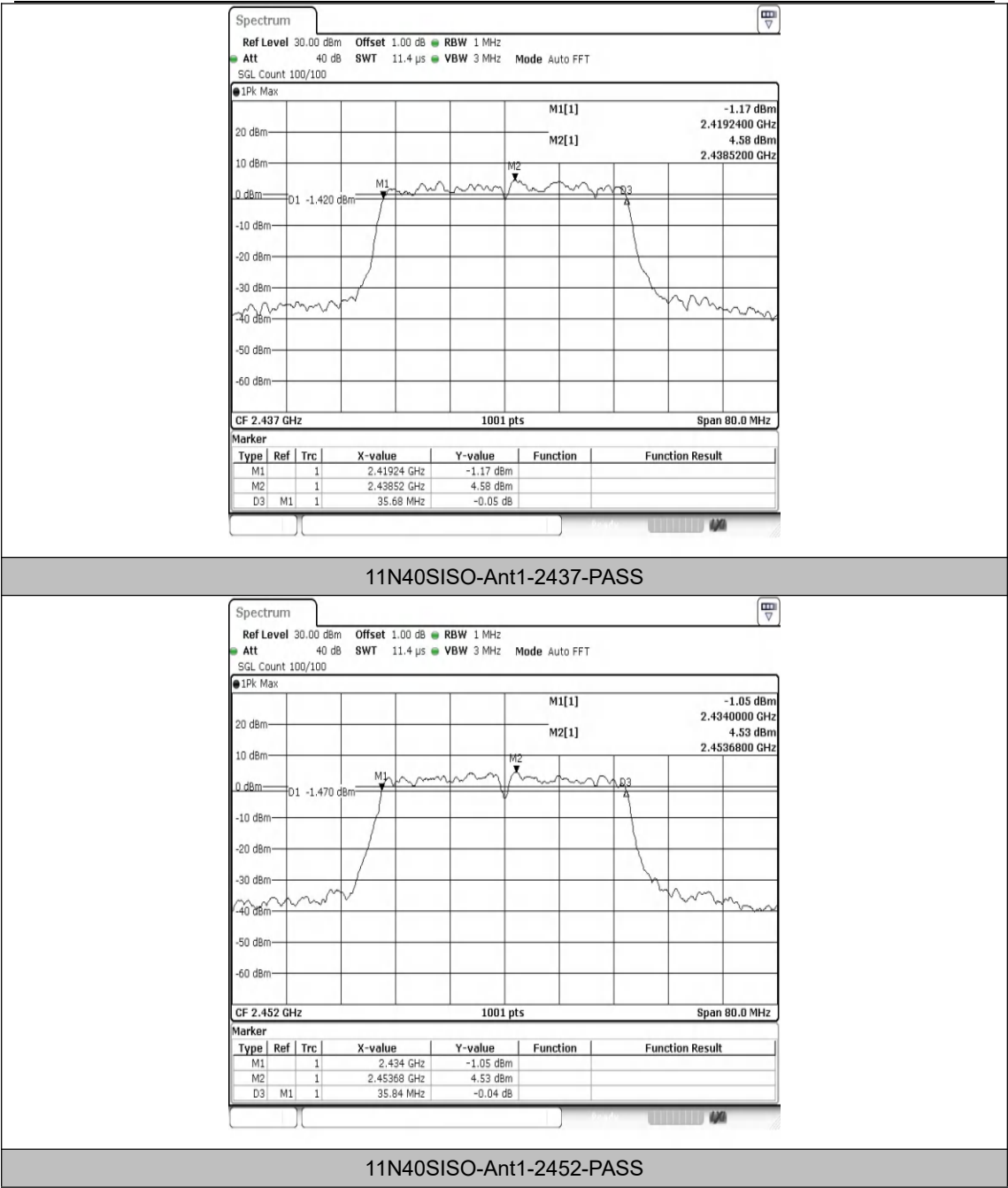
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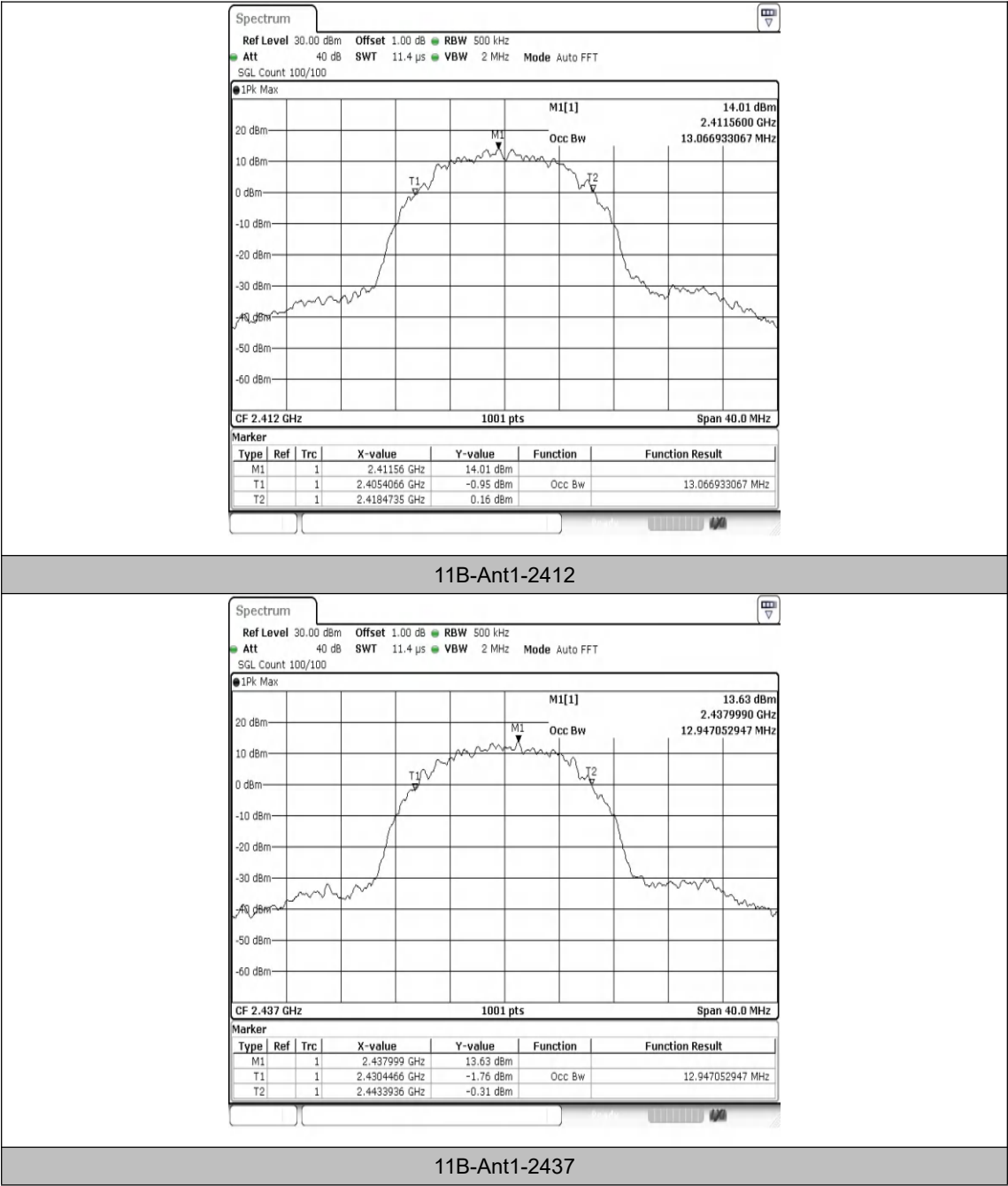


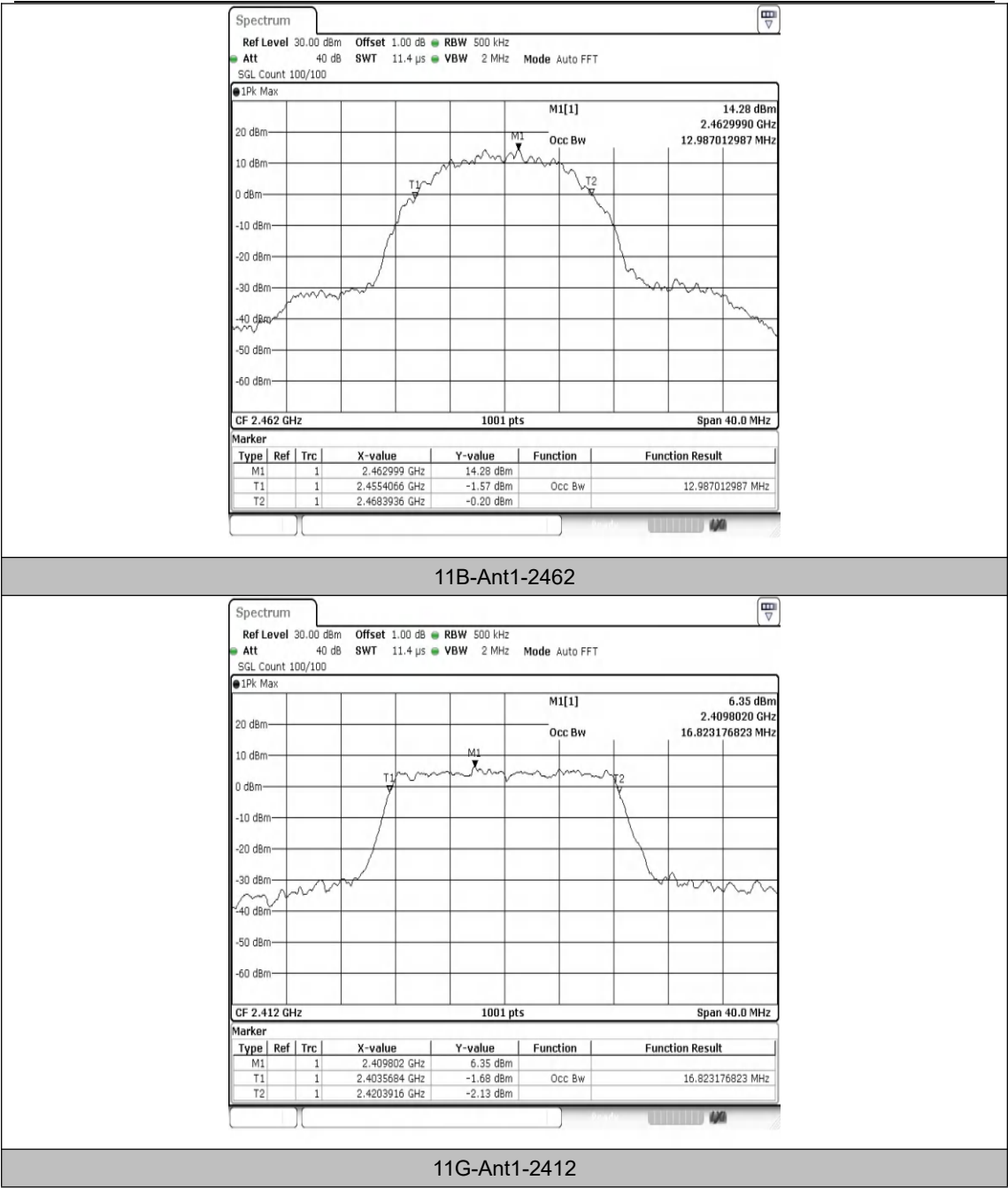
Appendix B: 99% Occupied Bandwidth

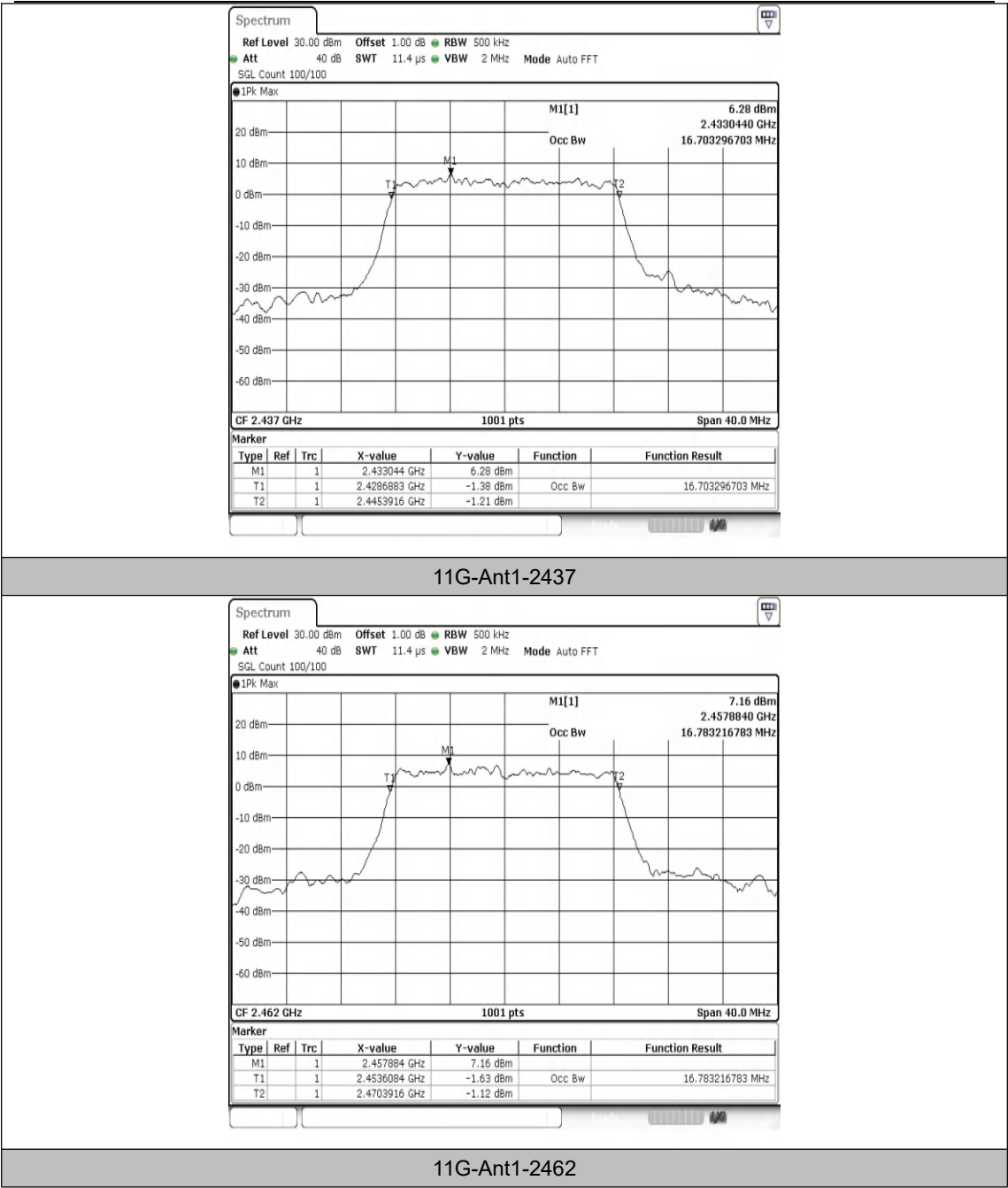
Test Result

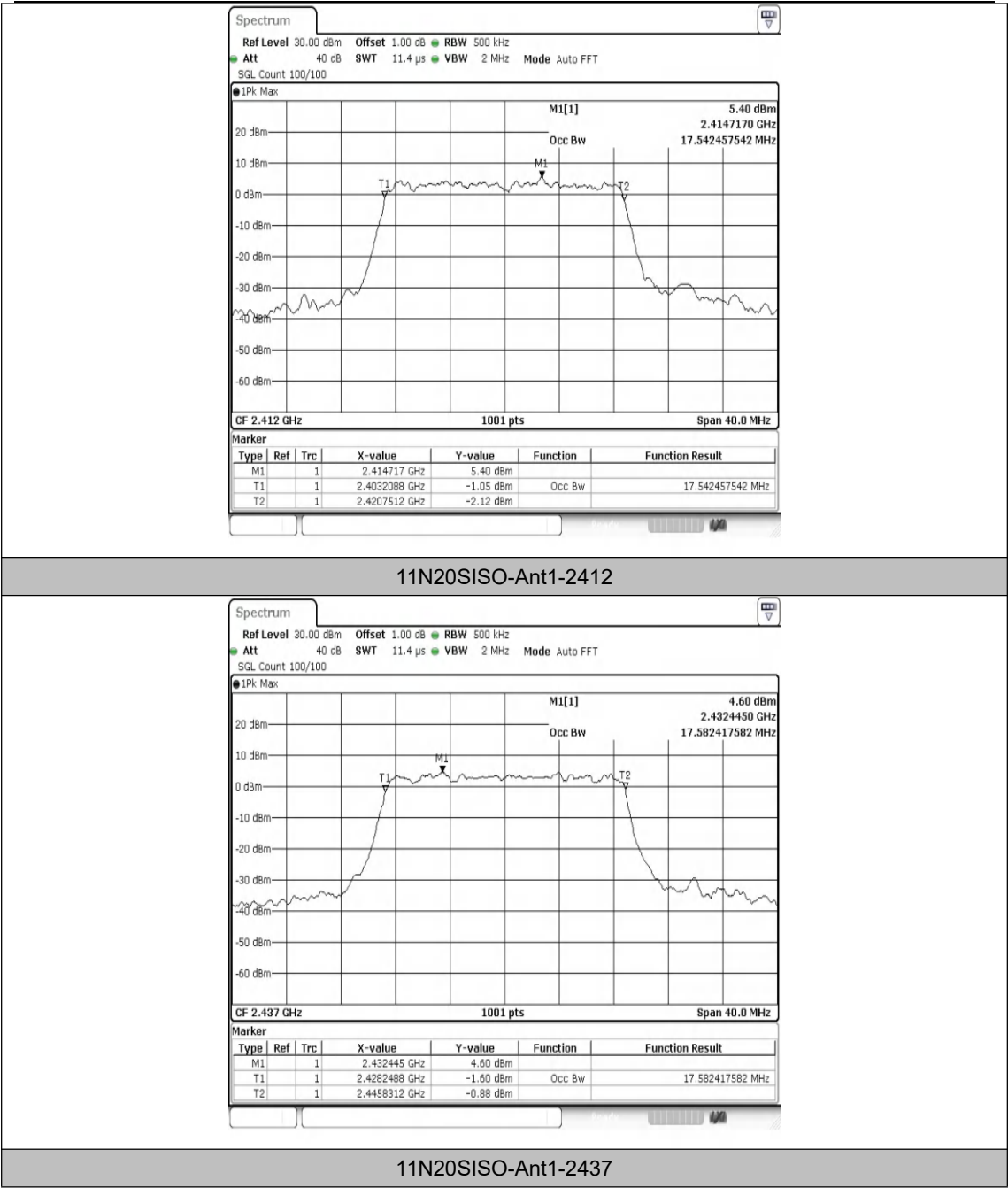
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.067	2405.4066	2418.4735	---	---
11B	Ant1	2437	12.947	2430.4466	2443.3936	---	---
11B	Ant1	2462	12.987	2455.4066	2468.3936	---	---
11G	Ant1	2412	16.823	2403.5684	2420.3916	---	---
11G	Ant1	2437	16.703	2428.6883	2445.3916	---	---
11G	Ant1	2462	16.783	2453.6084	2470.3916	---	---
11N20SISO	Ant1	2412	17.542	2403.2088	2420.7512	---	---
11N20SISO	Ant1	2437	17.582	2428.2488	2445.8312	---	---
11N20SISO	Ant1	2462	17.463	2453.2488	2470.7113	---	---
11N40SISO	Ant1	2422	35.884	2403.9381	2439.8222	---	---
11N40SISO	Ant1	2437	35.964	2418.9381	2454.9021	---	---
11N40SISO	Ant1	2452	35.884	2433.8581	2469.7423	---	---

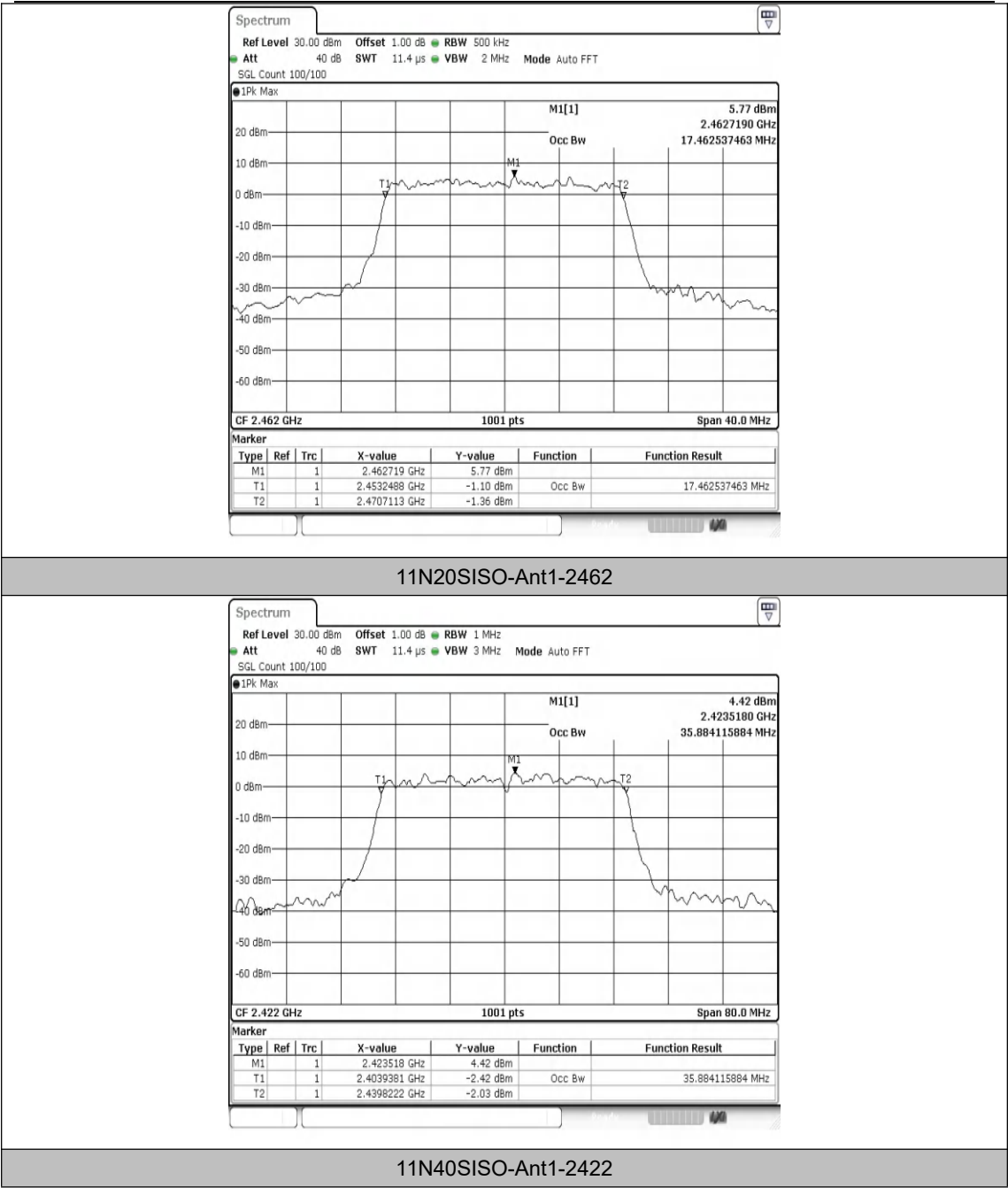
Test Graphs

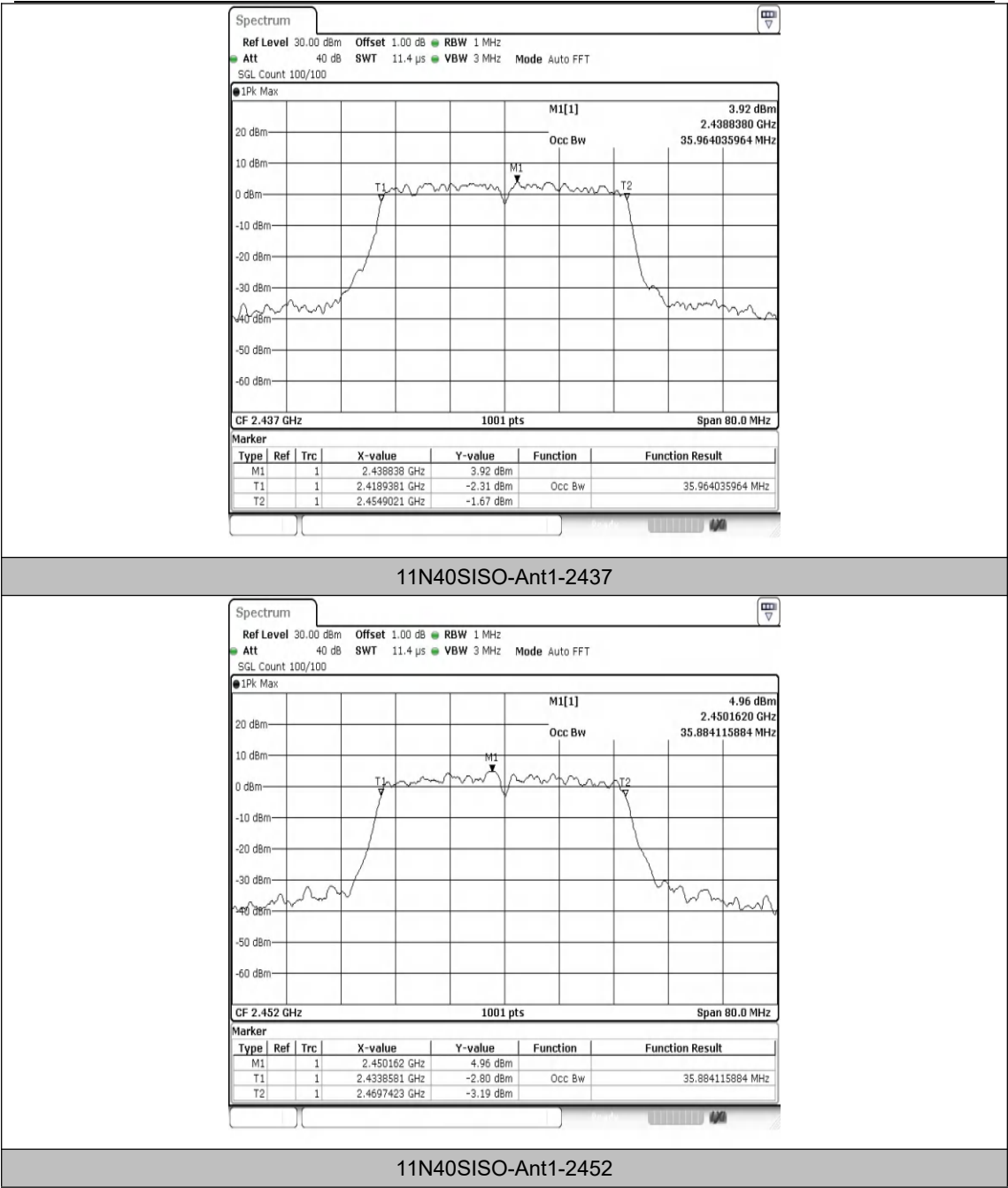












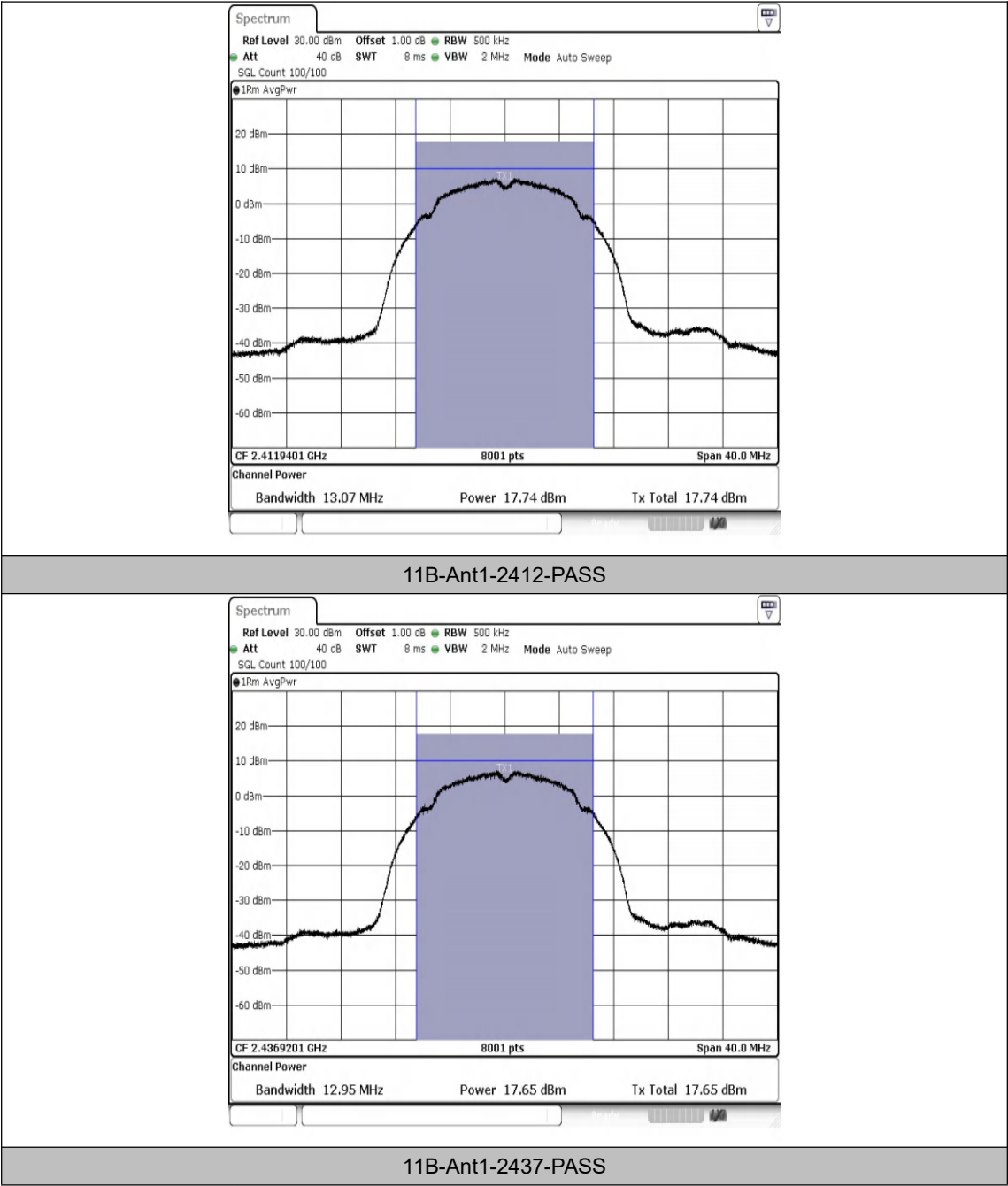
Appendix C: Maximum conducted output power

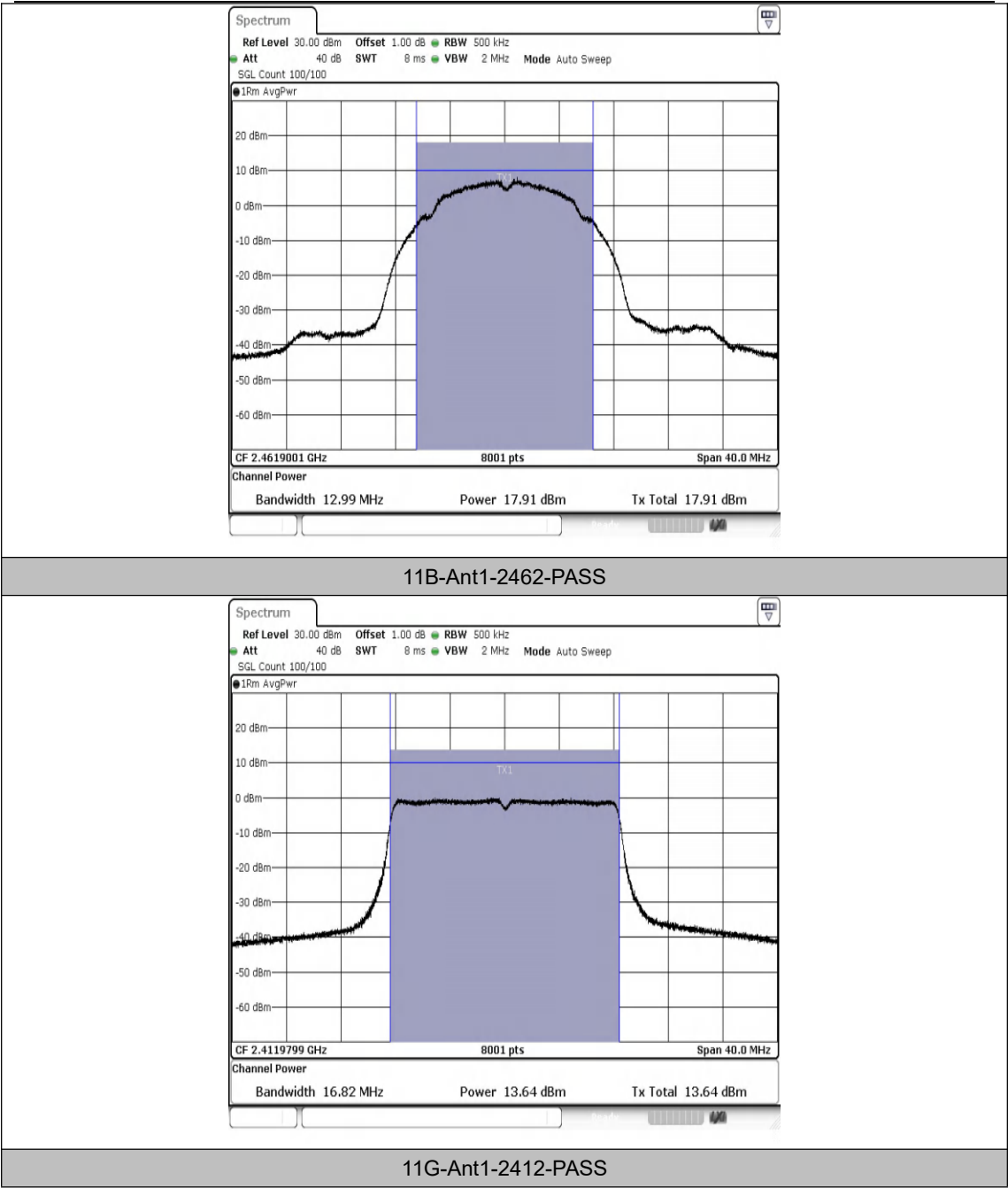
Test Result Average

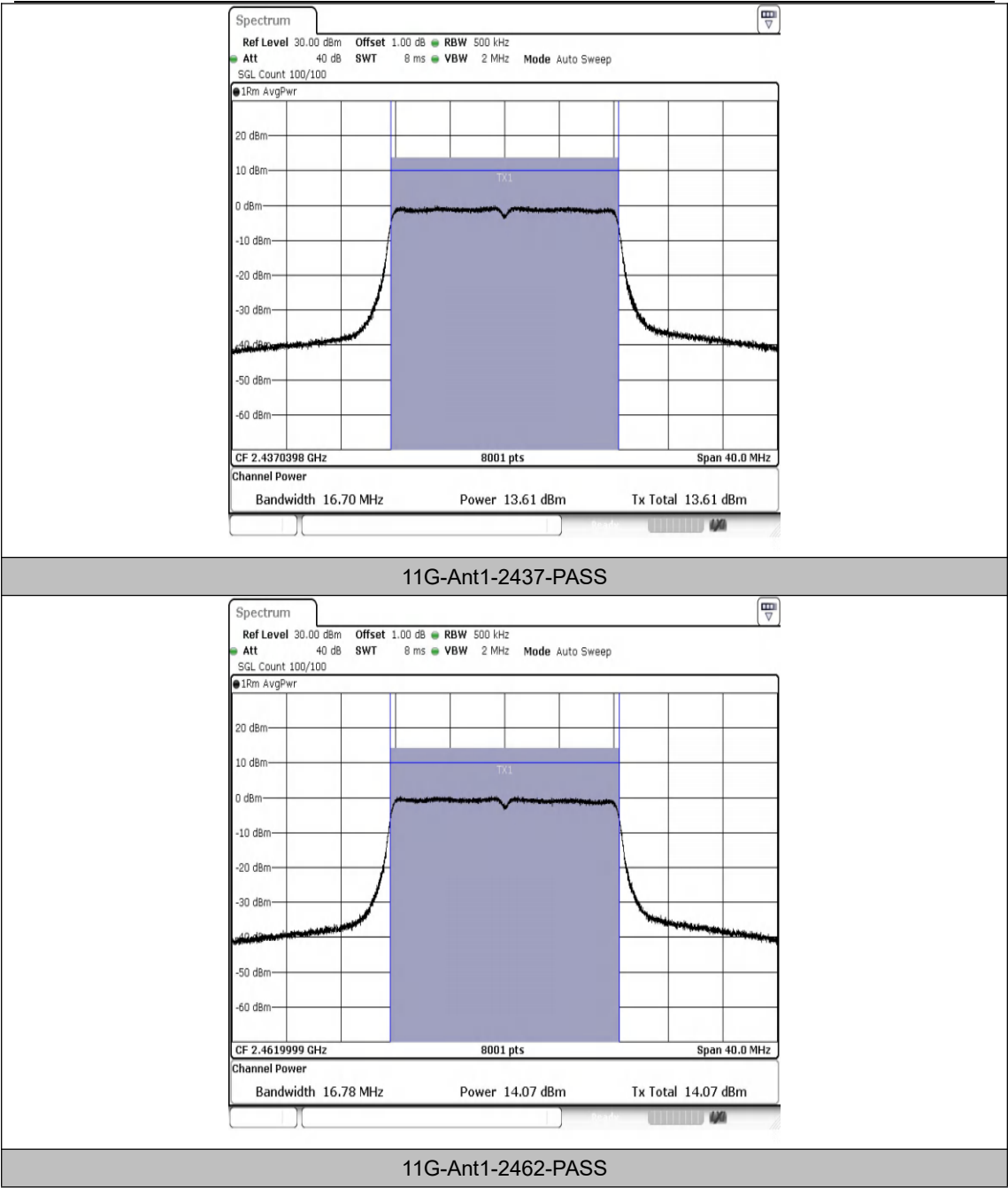
Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	17.74	100.00	0.00	17.74	≤30.00	PASS
11B	Ant1	2437	NA	17.65	100.00	0.00	17.65	≤30.00	PASS
11B	Ant1	2462	NA	17.91	100.00	0.00	17.91	≤30.00	PASS
11G	Ant1	2412	NA	13.64	100.00	0.00	13.64	≤30.00	PASS
11G	Ant1	2437	NA	13.61	100.00	0.00	13.61	≤30.00	PASS
11G	Ant1	2462	NA	14.07	100.00	0.00	14.07	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.63	100.00	0.00	12.63	≤30.00	PASS
11N20SISO	Ant1	2437	NA	12.71	100.00	0.00	12.71	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.06	100.00	0.00	13.06	≤30.00	PASS
11N40SISO	Ant1	2422	NA	11.16	100.00	0.00	11.16	≤30.00	PASS
11N40SISO	Ant1	2437	NA	11.12	100.00	0.00	11.12	≤30.00	PASS
11N40SISO	Ant1	2452	NA	11.33	100.00	0.00	11.33	≤30.00	PASS

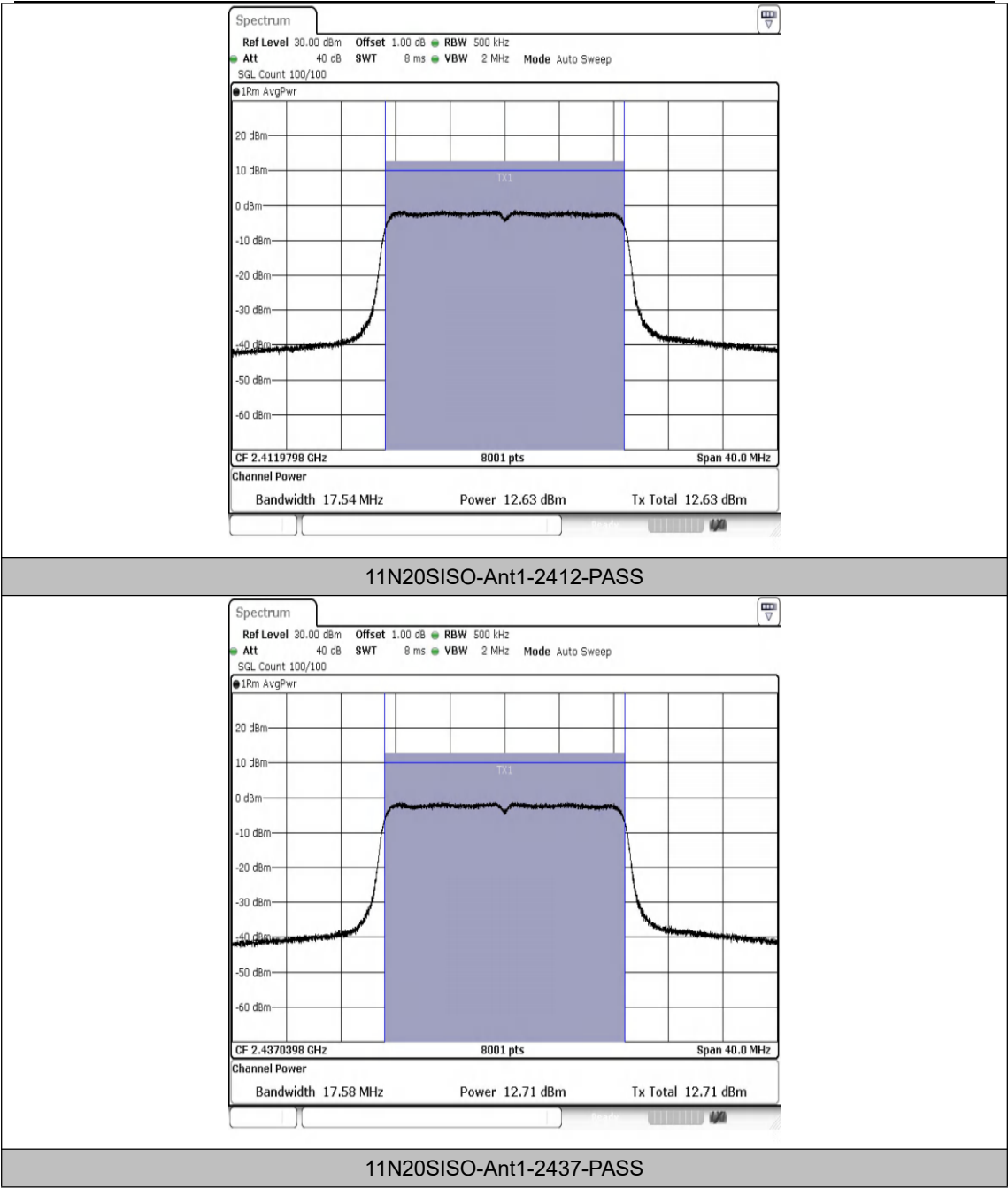
Note: 1. The cable loss are compensated in the graph

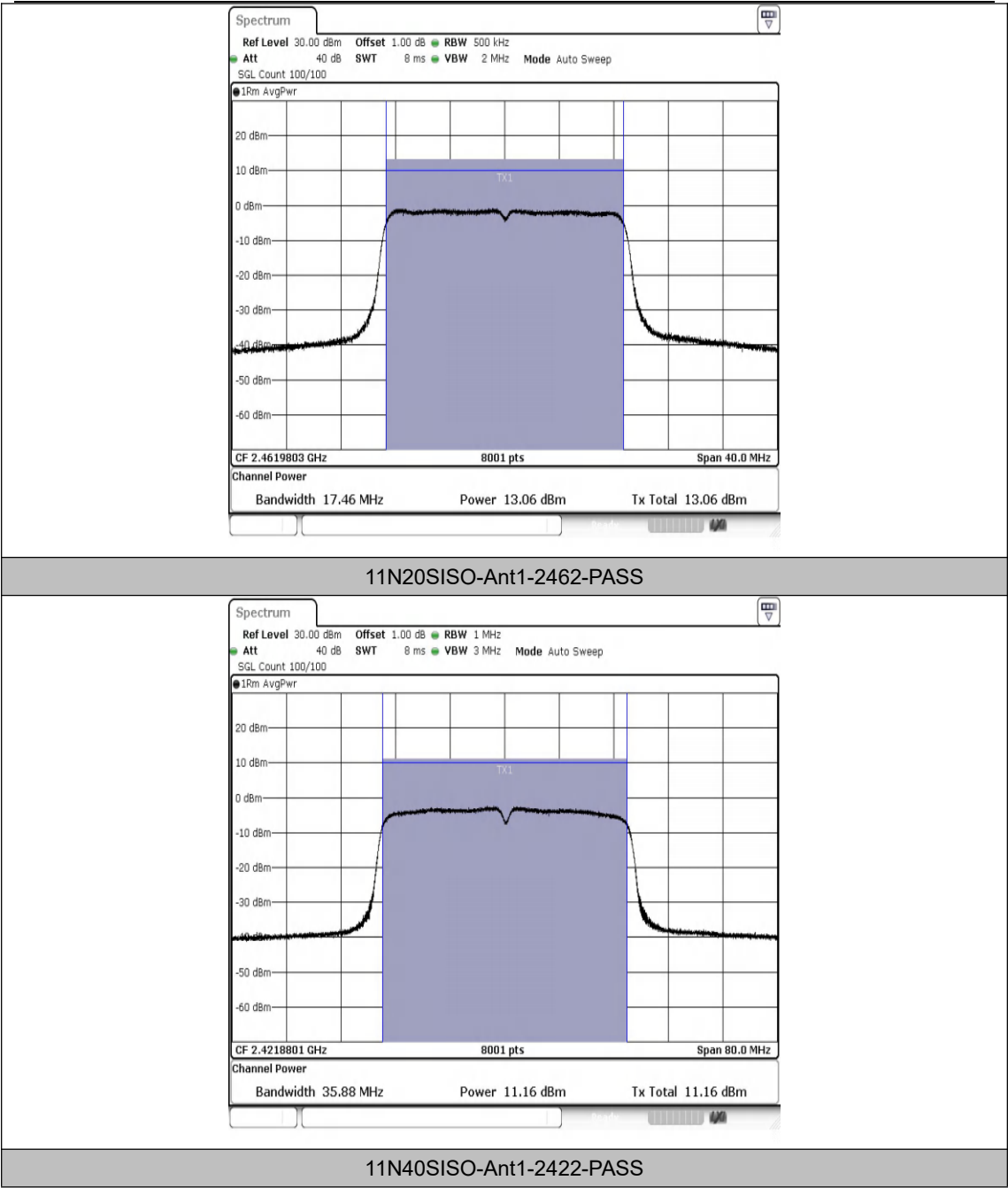
Test Graphs Average

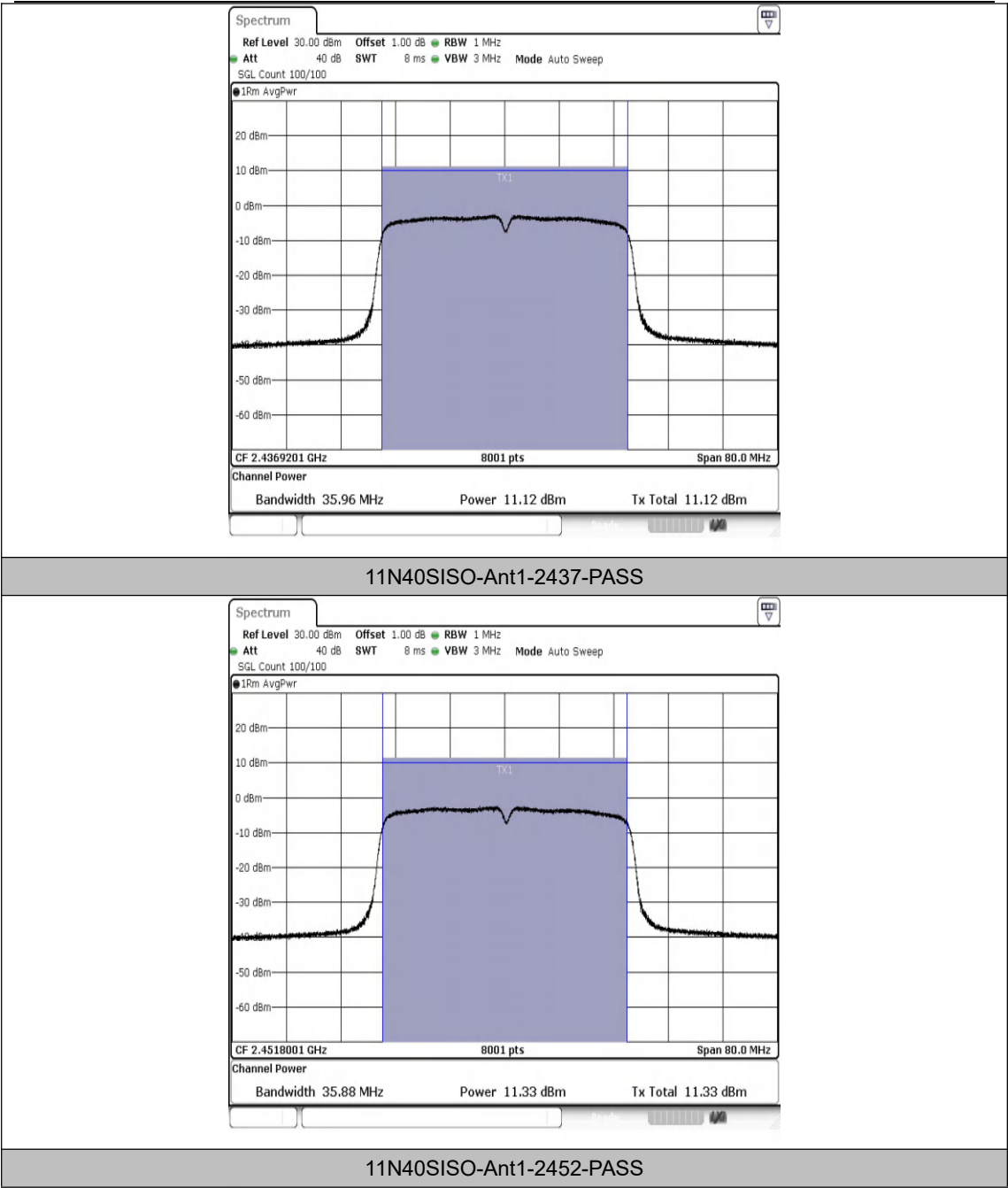












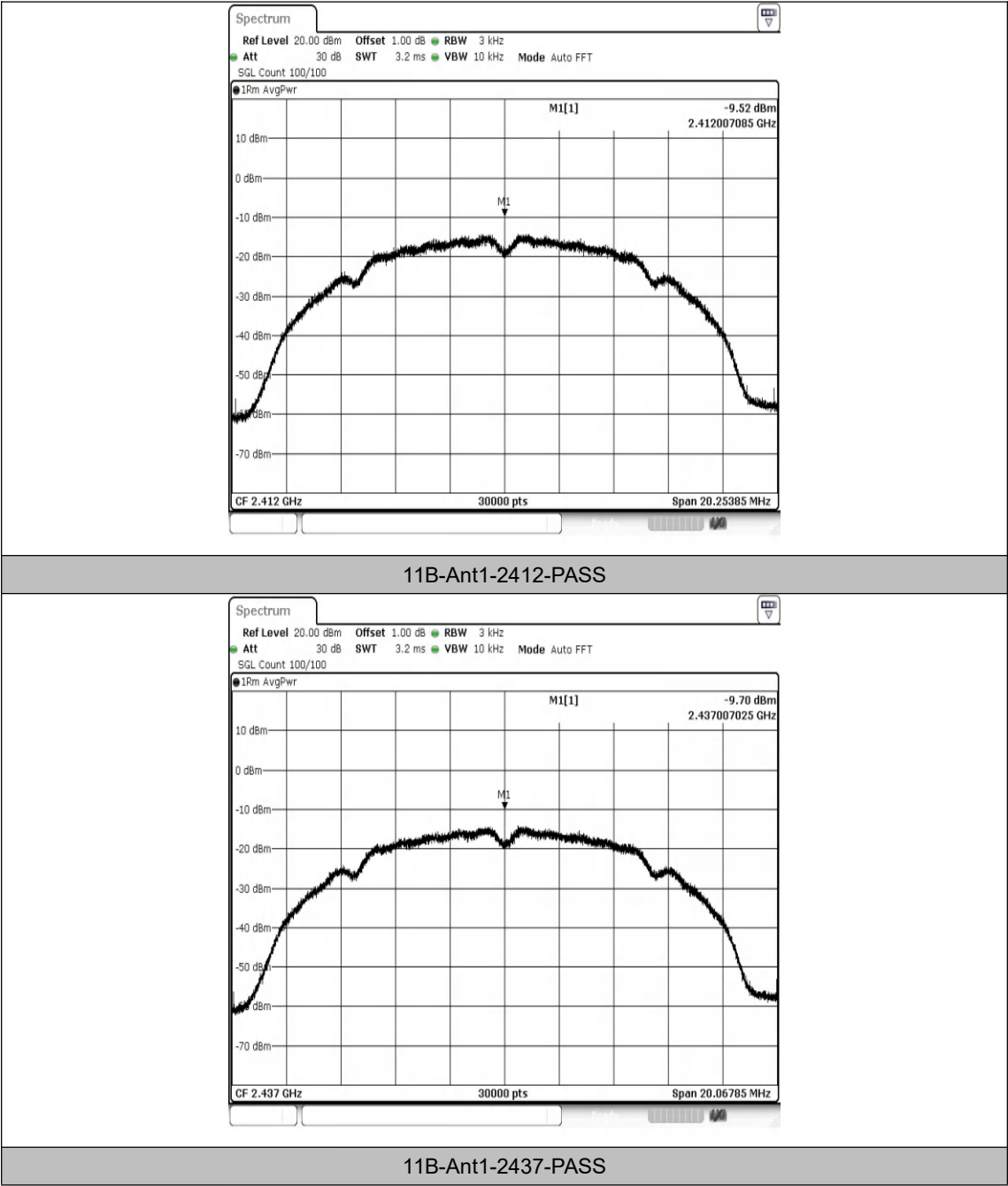
Appendix D: Maximum power spectral density

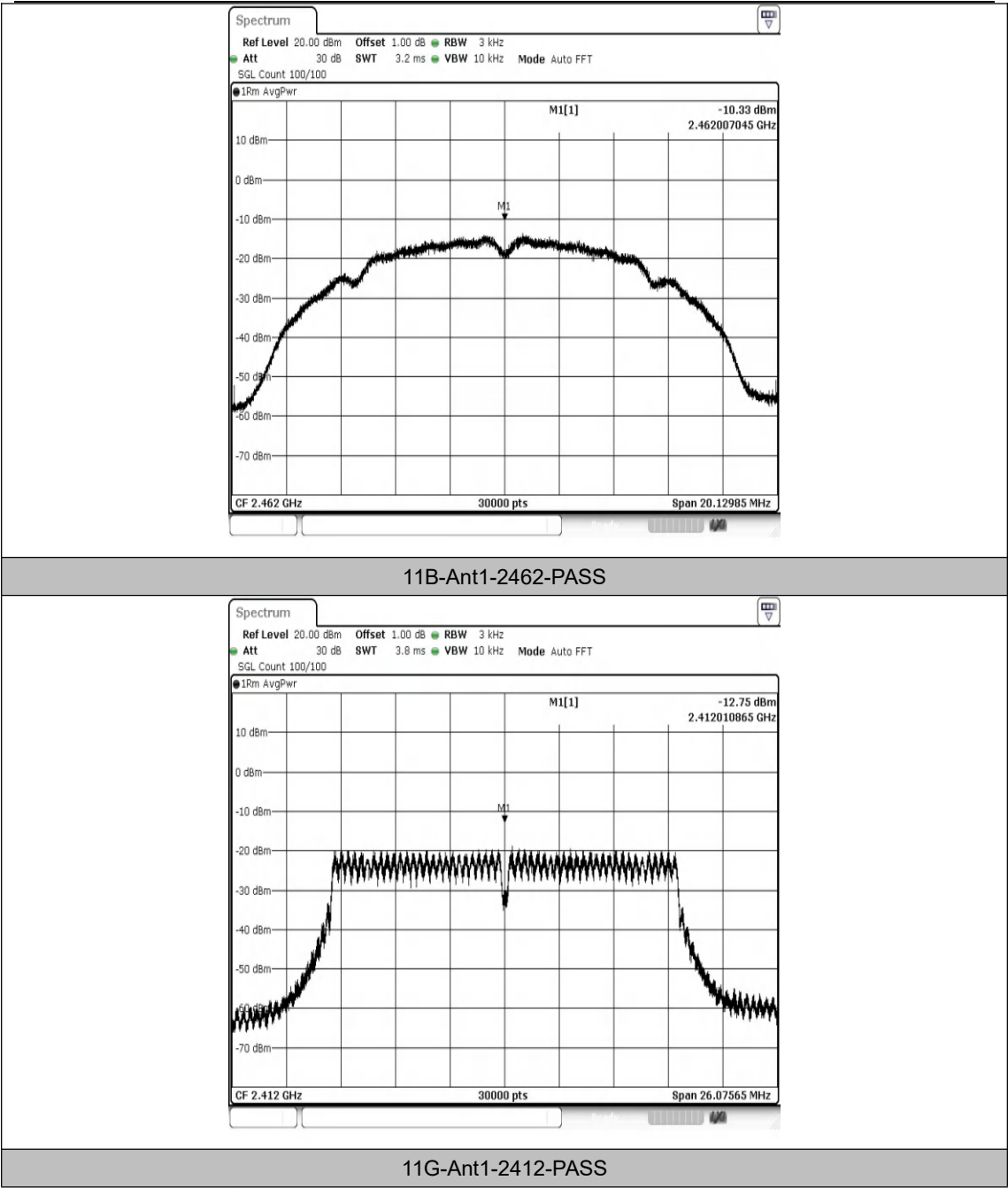
Test Result

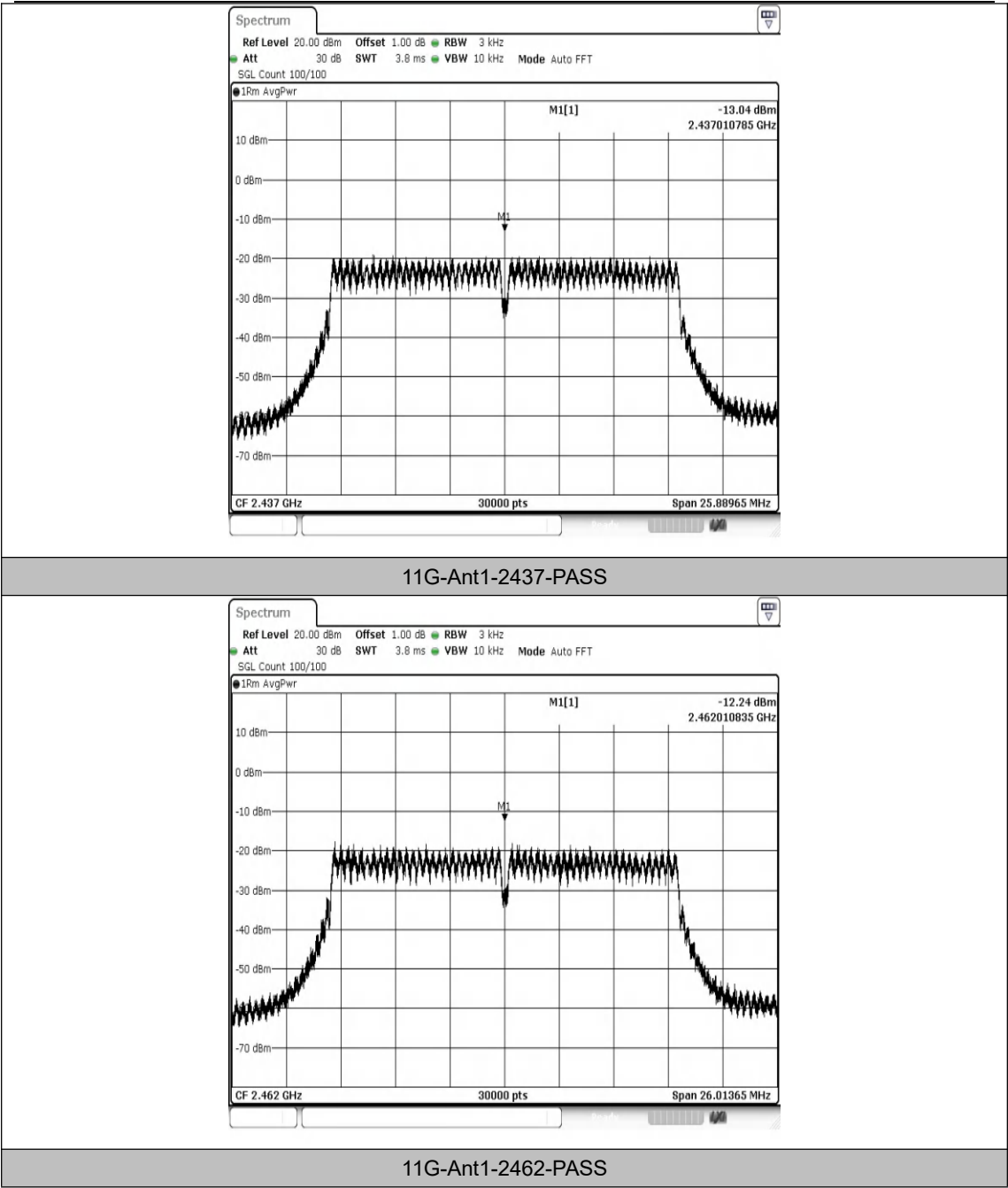
Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-9.52	0.00	-9.52	≤8.00	PASS
11B	Ant1	2437	-9.7	0.00	-9.70	≤8.00	PASS
11B	Ant1	2462	-10.33	0.00	-10.33	≤8.00	PASS
11G	Ant1	2412	-12.75	0.00	-12.75	≤8.00	PASS
11G	Ant1	2437	-13.04	0.00	-13.04	≤8.00	PASS
11G	Ant1	2462	-12.24	0.00	-12.24	≤8.00	PASS
11N20SISO	Ant1	2412	-12.71	0.00	-12.71	≤8.00	PASS
11N20SISO	Ant1	2437	-13.22	0.00	-13.22	≤8.00	PASS
11N20SISO	Ant1	2462	-13	0.00	-13.00	≤8.00	PASS
11N40SISO	Ant1	2422	-14.73	0.00	-14.73	≤8.00	PASS
11N40SISO	Ant1	2437	-15.11	0.00	-15.11	≤8.00	PASS
11N40SISO	Ant1	2452	-15.5	0.00	-15.50	≤8.00	PASS

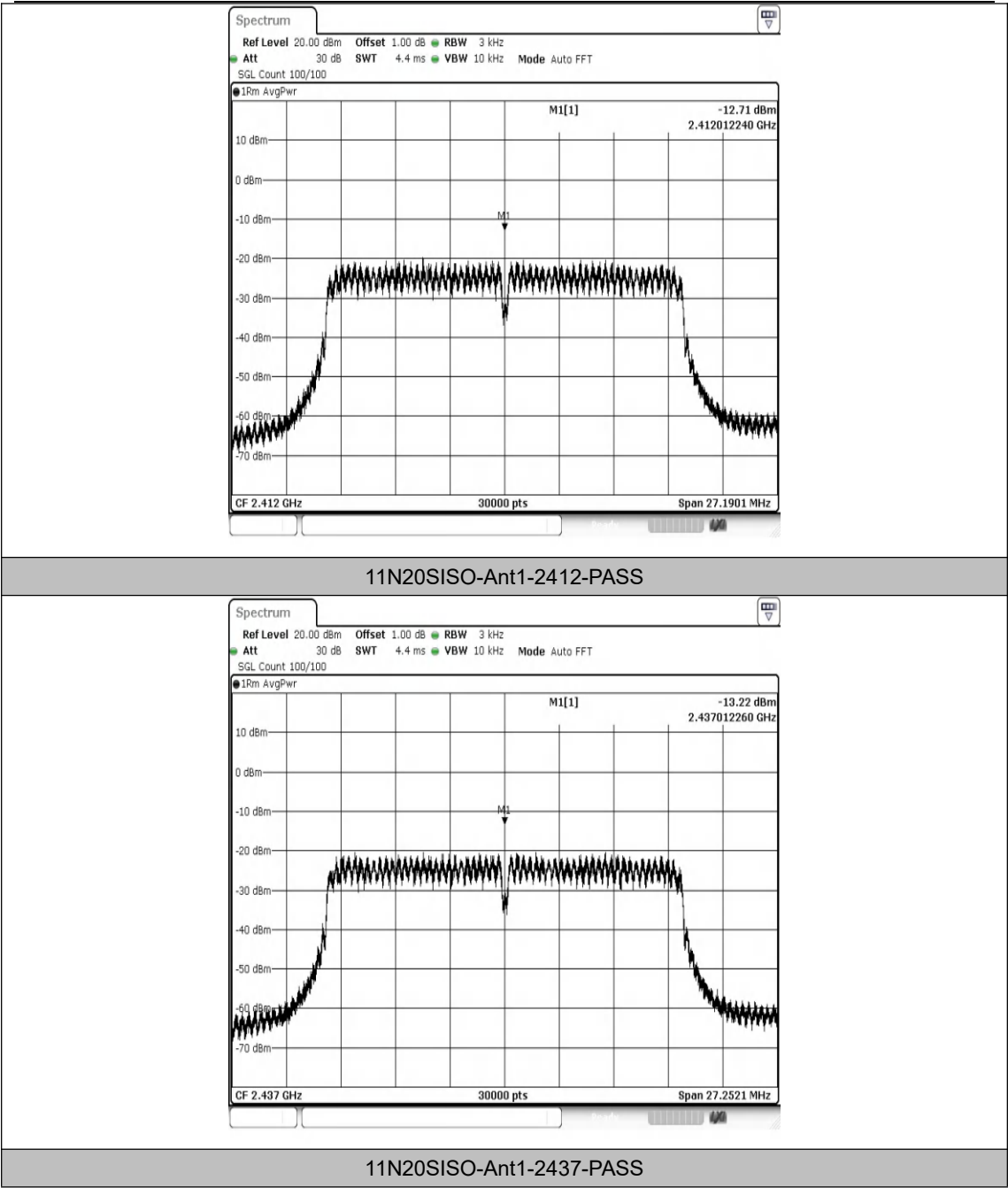
Note: 1. The cable loss are compensated in the graph.

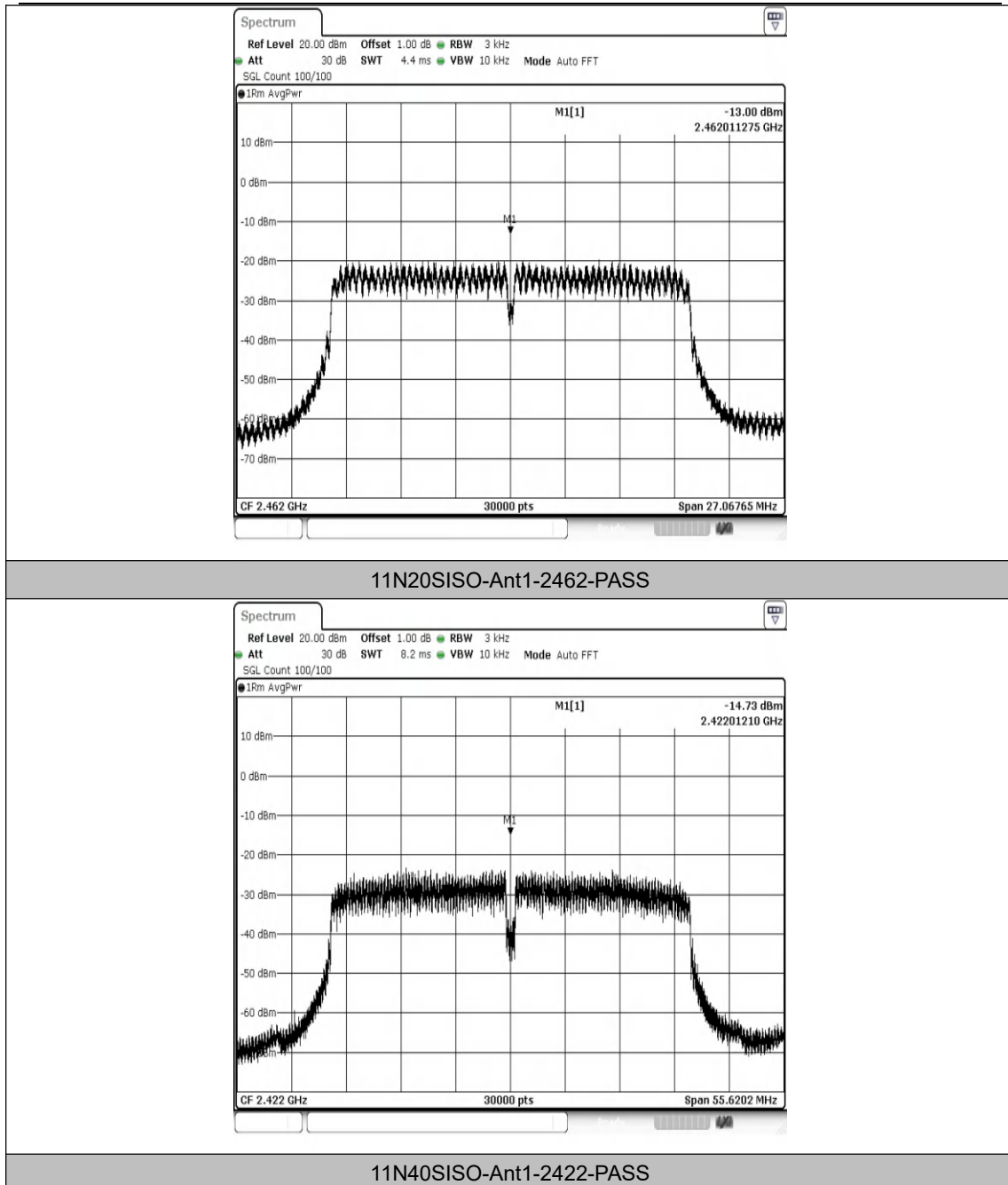
Test Graphs

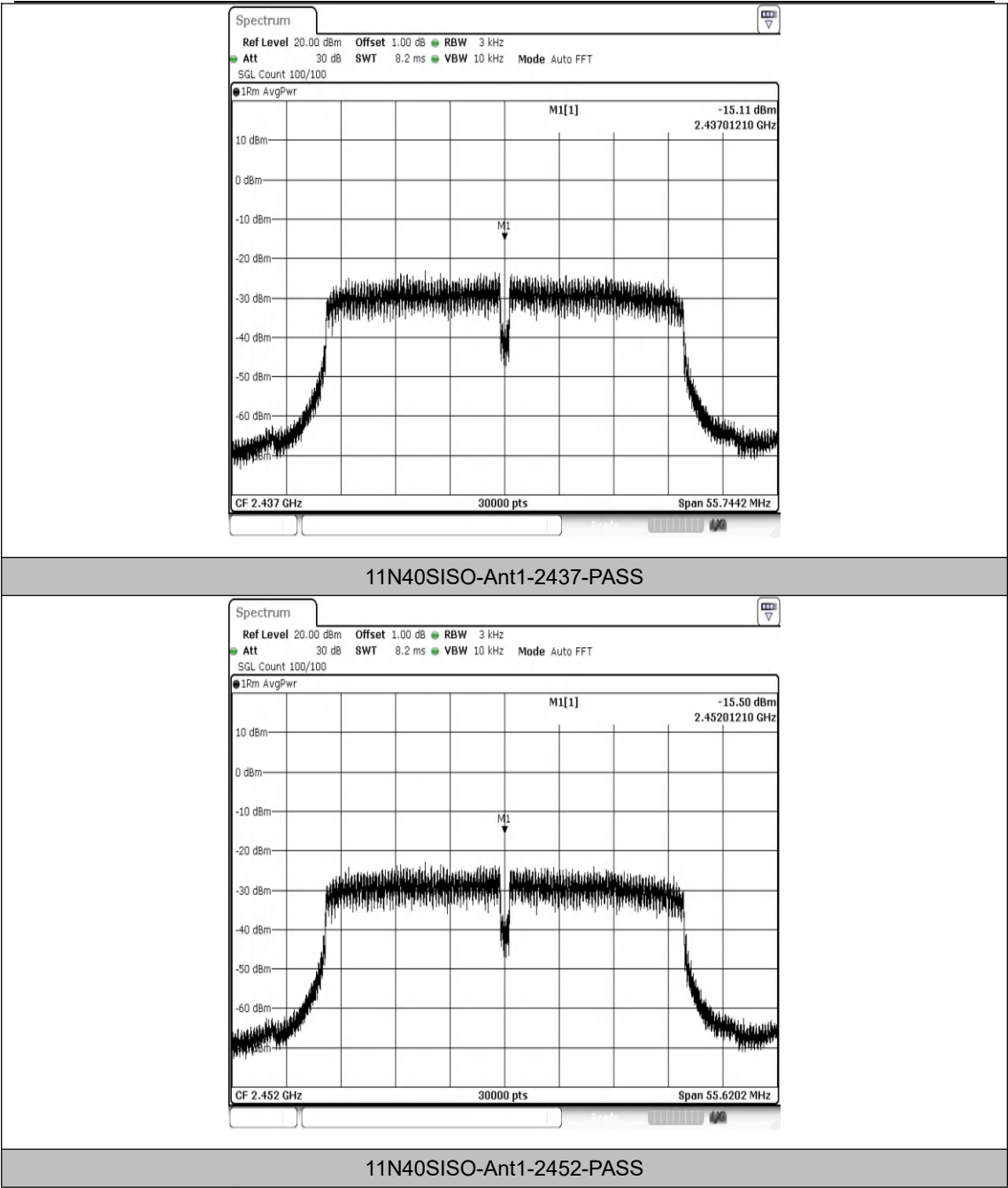












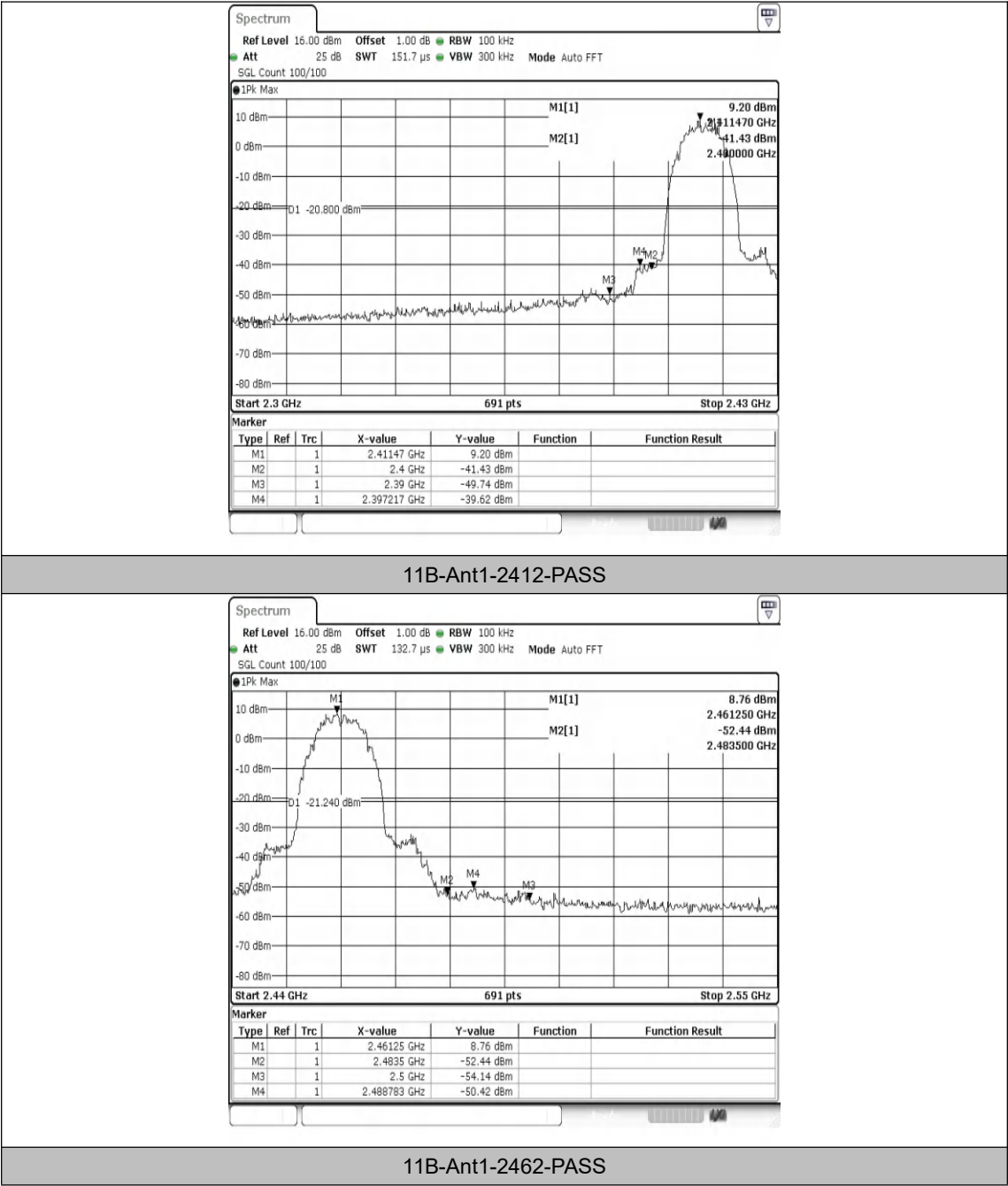
Appendix E: Conducted Band edge

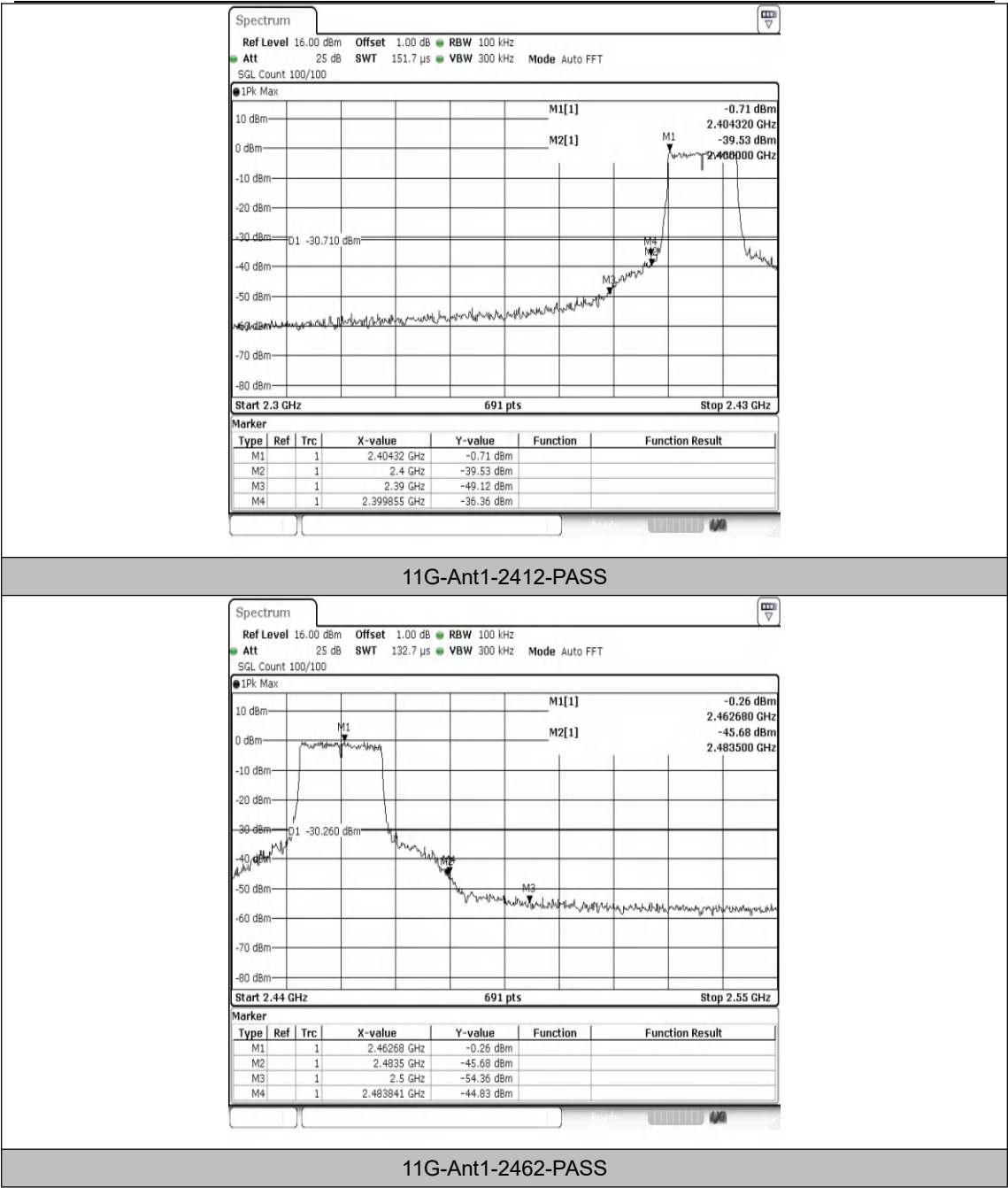
Test Result

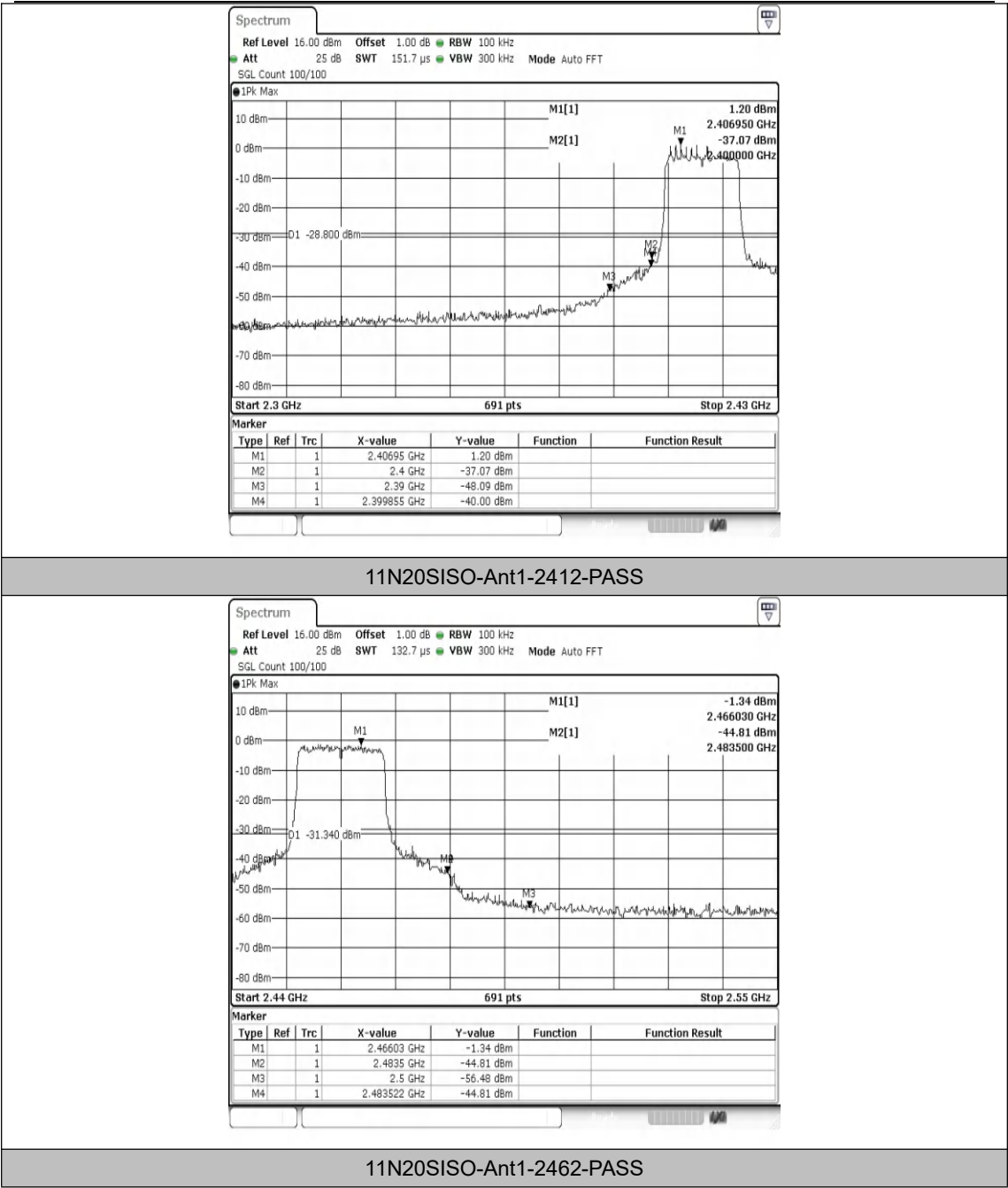
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.20	-39.62	≤-20.8	PASS
11B	Ant1	High	2462	8.76	-50.42	≤-21.24	PASS
11G	Ant1	Low	2412	-0.71	-36.36	≤-30.71	PASS
11G	Ant1	High	2462	-0.26	-44.83	≤-30.26	PASS
11N20SISO	Ant1	Low	2412	1.20	-40	≤-28.8	PASS
11N20SISO	Ant1	High	2462	-1.34	-44.81	≤-31.34	PASS
11N40SISO	Ant1	Low	2422	-2.73	-41.8	≤-32.73	PASS
11N40SISO	Ant1	High	2452	-4.29	-45.33	≤-34.29	PASS

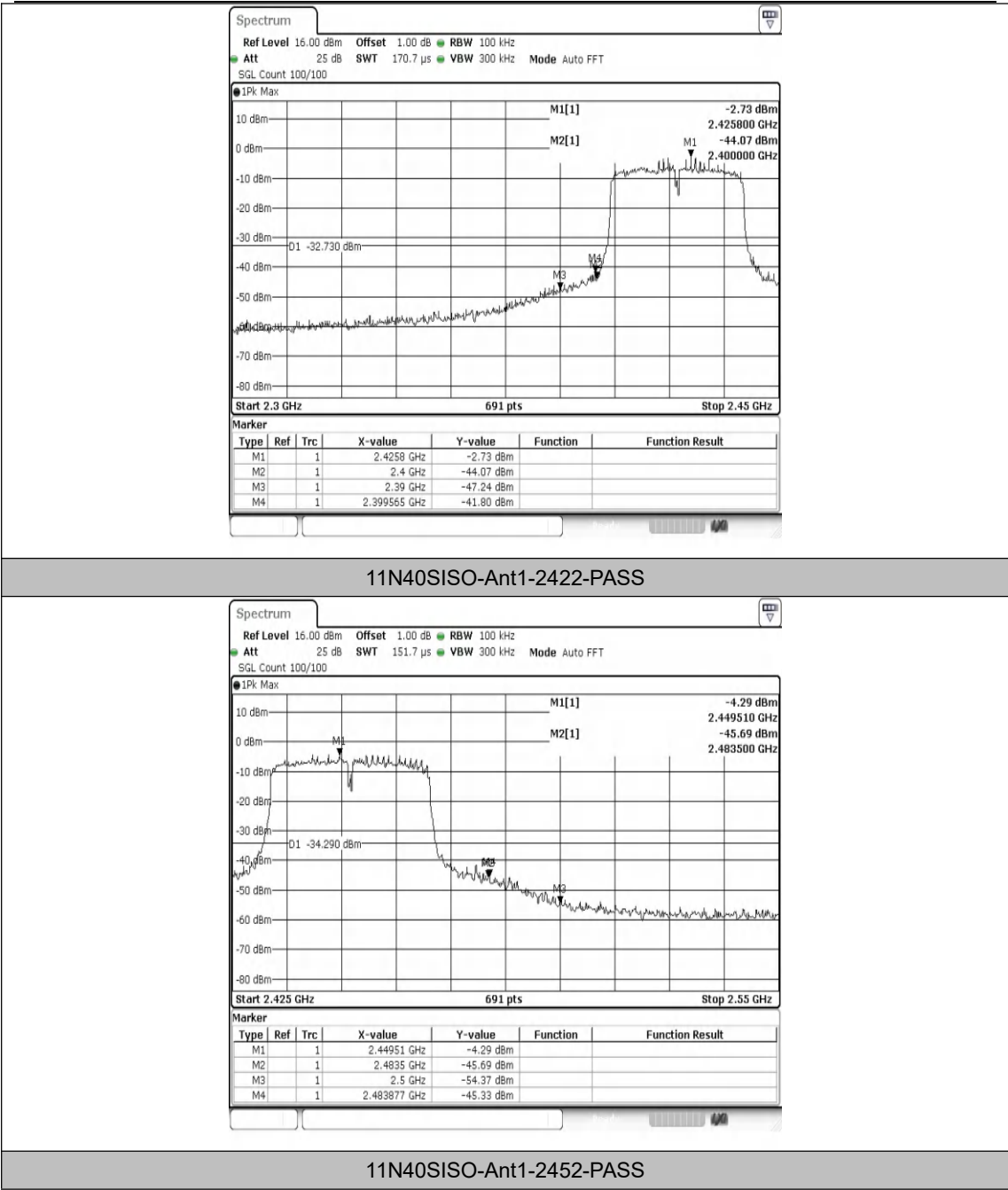
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

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	8.96	8.96	---	PASS
11B	Ant1	2412	30~1000	8.96	-68.58	≤-21.04	PASS
11B	Ant1	2412	1000~26500	8.96	-42.18	≤-21.04	PASS
11B	Ant1	2437	0~Reference	8.95	8.95	---	PASS
11B	Ant1	2437	30~1000	8.95	-67.62	≤-21.05	PASS
11B	Ant1	2437	1000~26500	8.95	-43.19	≤-21.05	PASS
11B	Ant1	2462	0~Reference	9.52	9.52	---	PASS
11B	Ant1	2462	30~1000	9.52	-61.45	≤-20.48	PASS
11B	Ant1	2462	1000~26500	9.52	-42.34	≤-20.48	PASS
11G	Ant1	2412	0~Reference	-0.66	-0.66	---	PASS
11G	Ant1	2412	30~1000	-0.66	-69.09	≤-30.66	PASS
11G	Ant1	2412	1000~26500	-0.66	-53	≤-30.66	PASS
11G	Ant1	2437	0~Reference	-0.63	-0.63	---	PASS
11G	Ant1	2437	30~1000	-0.63	-68.71	≤-30.63	PASS
11G	Ant1	2437	1000~26500	-0.63	-52.18	≤-30.63	PASS
11G	Ant1	2462	0~Reference	2.56	2.56	---	PASS
11G	Ant1	2462	30~1000	2.56	-69	≤-27.44	PASS
11G	Ant1	2462	1000~26500	2.56	-50.85	≤-27.44	PASS
11N20SISO	Ant1	2412	0~Reference	-2.04	-2.04	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.04	-68.73	≤-32.04	PASS
11N20SISO	Ant1	2412	1000~26500	-2.04	-52.94	≤-32.04	PASS
11N20SISO	Ant1	2437	0~Reference	-1.83	-1.83	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.83	-68.4	≤-31.83	PASS
11N20SISO	Ant1	2437	1000~26500	-1.83	-52.1	≤-31.83	PASS
11N20SISO	Ant1	2462	0~Reference	-1.44	-1.44	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.44	-68.94	≤-31.44	PASS
11N20SISO	Ant1	2462	1000~26500	-1.44	-52.5	≤-31.44	PASS
11N40SISO	Ant1	2422	0~Reference	-6.07	-6.07	---	PASS
11N40SISO	Ant1	2422	30~1000	-6.07	-64.7	≤-36.07	PASS
11N40SISO	Ant1	2422	1000~26500	-6.07	-53.99	≤-36.07	PASS
11N40SISO	Ant1	2437	0~Reference	-3.64	-3.64	---	PASS
11N40SISO	Ant1	2437	30~1000	-3.64	-63.65	≤-33.64	PASS
11N40SISO	Ant1	2437	1000~26500	-3.64	-52	≤-33.64	PASS
11N40SISO	Ant1	2452	0~Reference	-2.44	-2.44	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.44	-63.36	≤-32.44	PASS
11N40SISO	Ant1	2452	1000~26500	-2.44	-52.72	≤-32.44	PASS

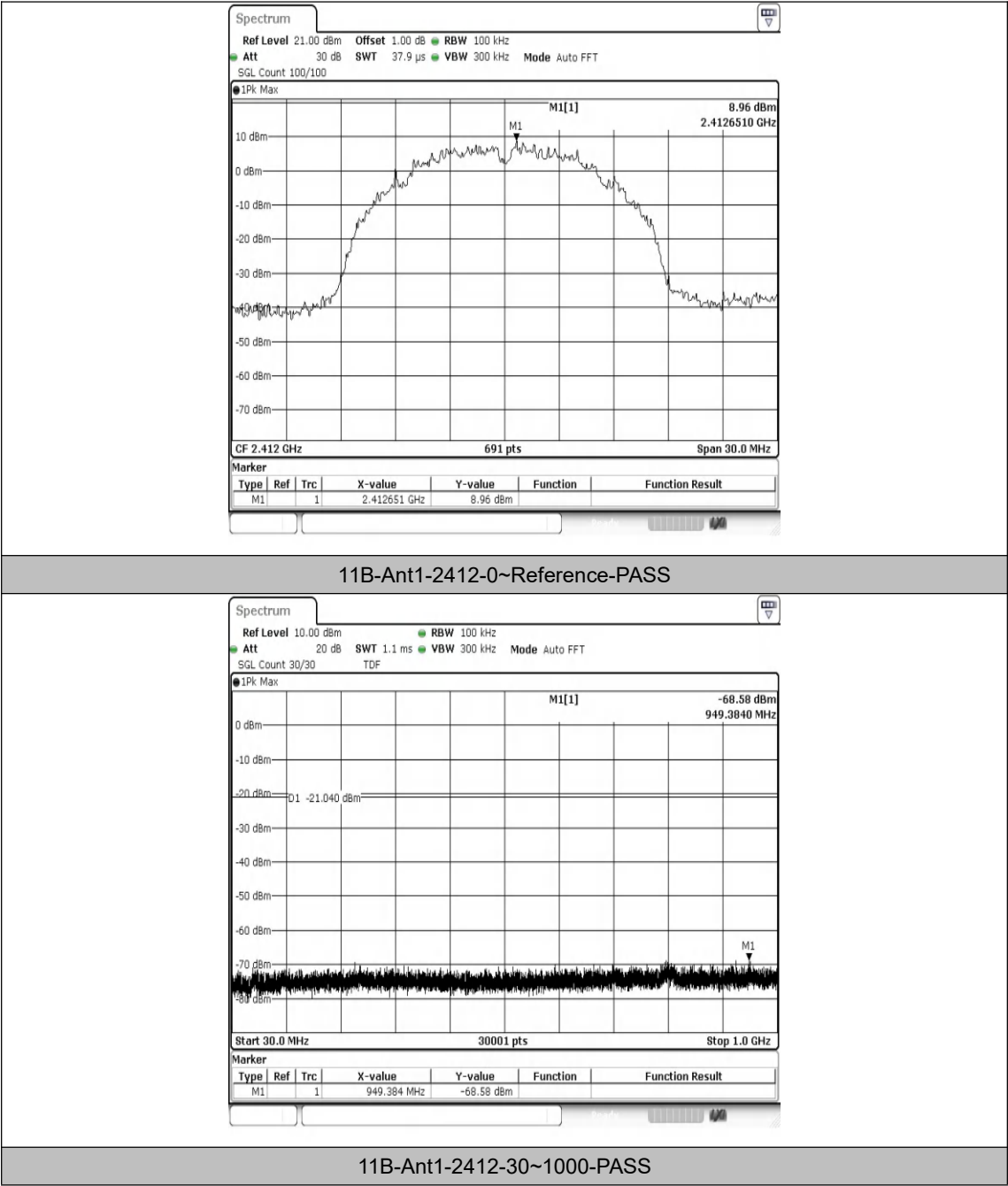
Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

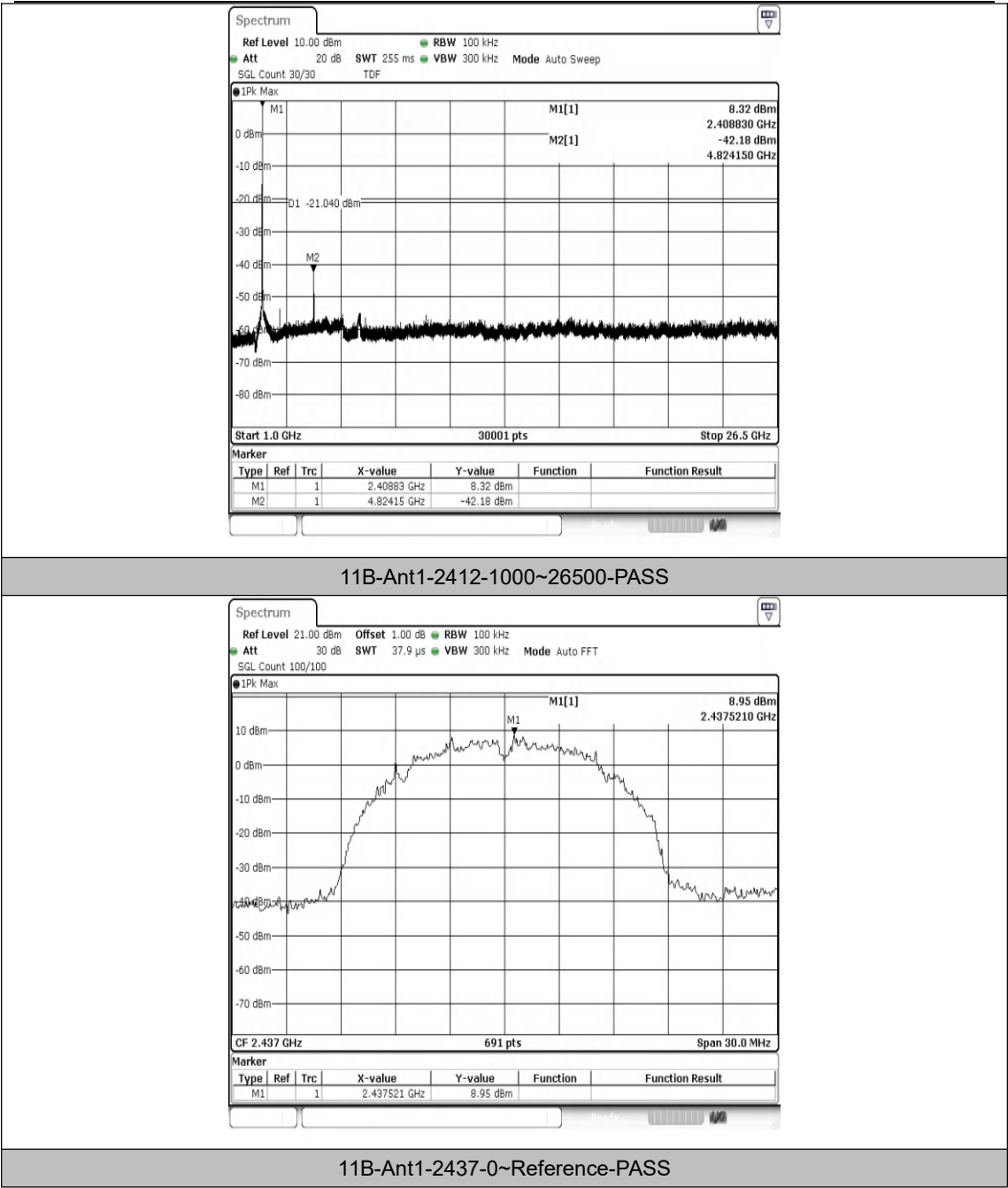
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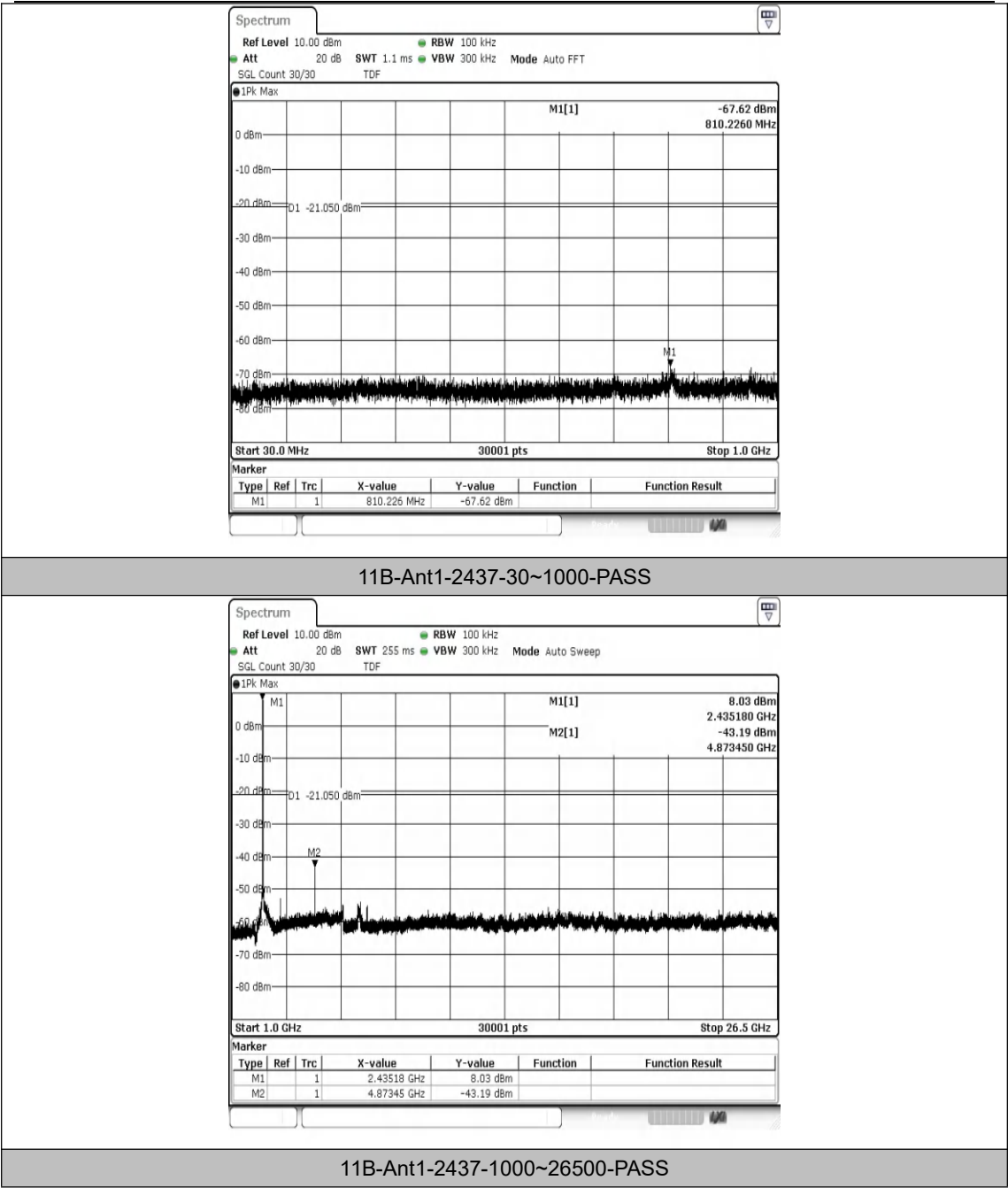
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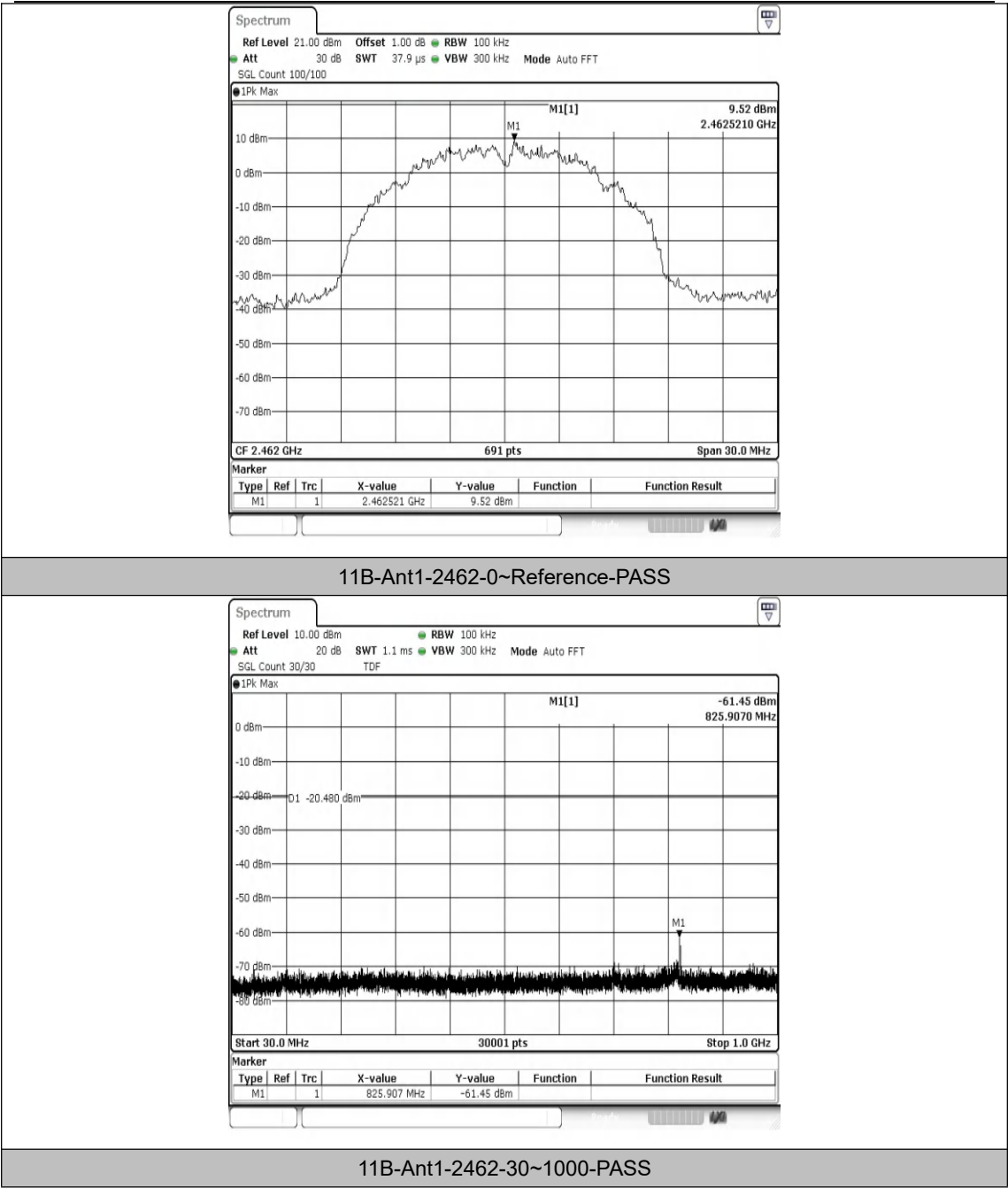
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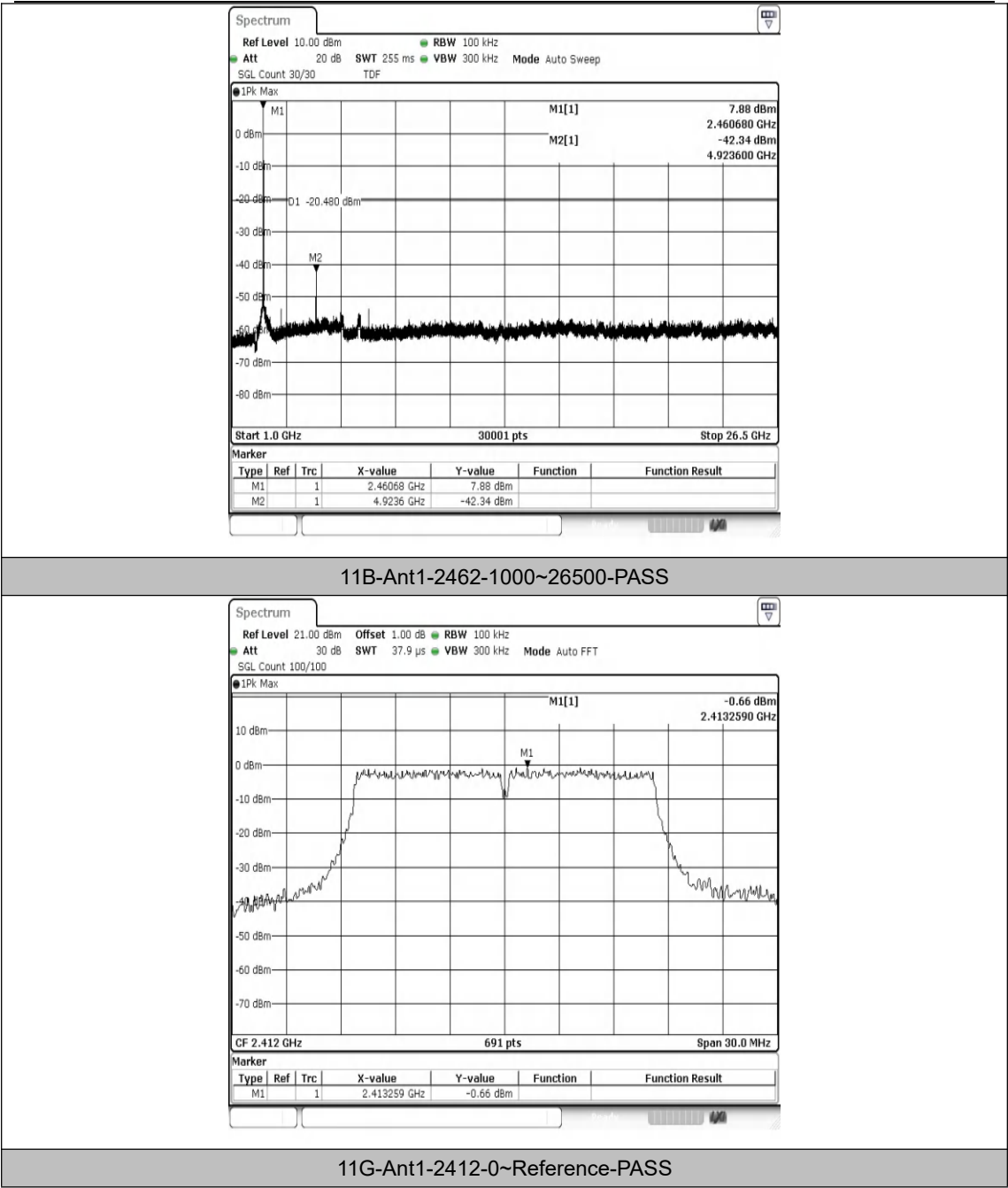
Test Graphs

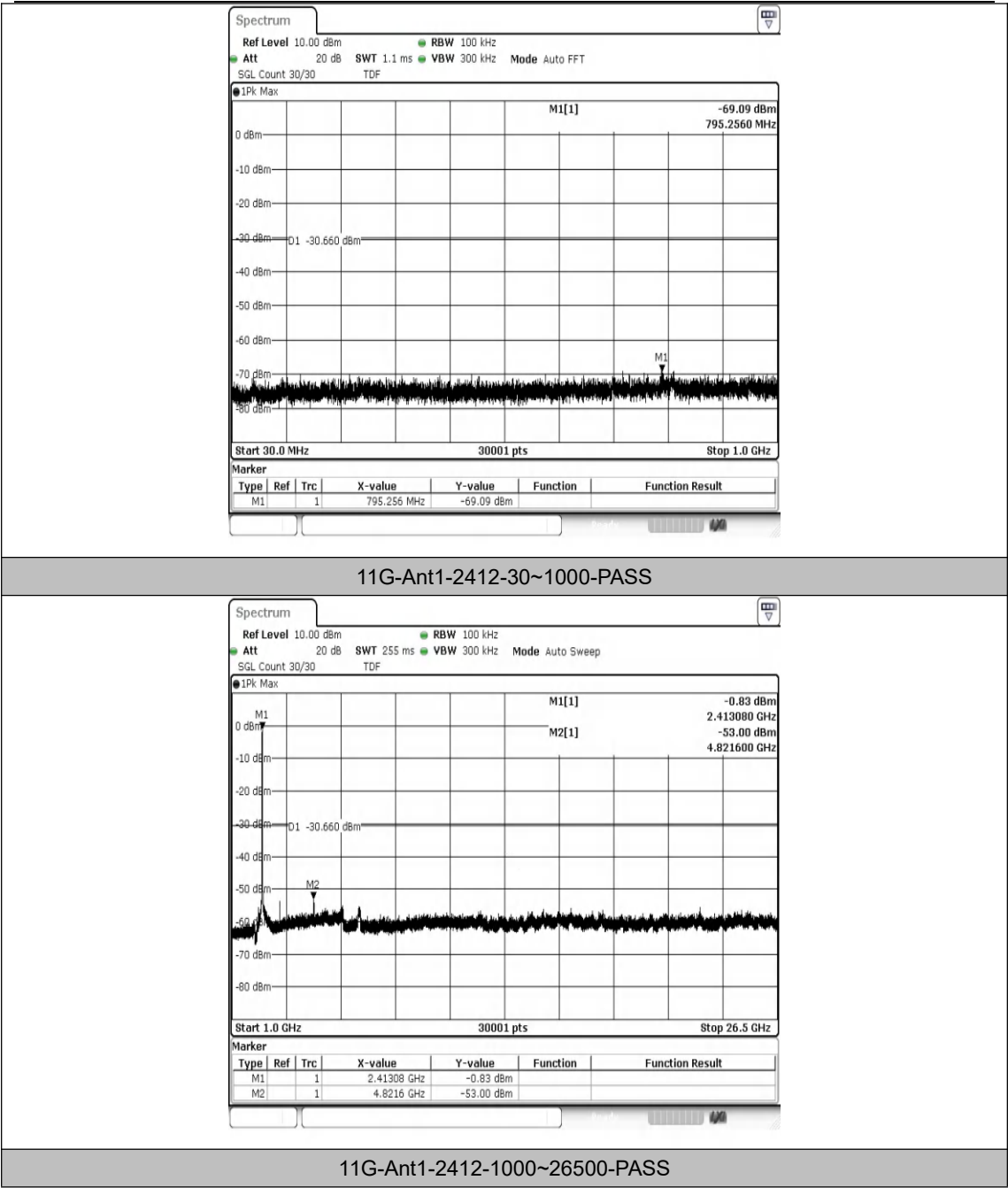


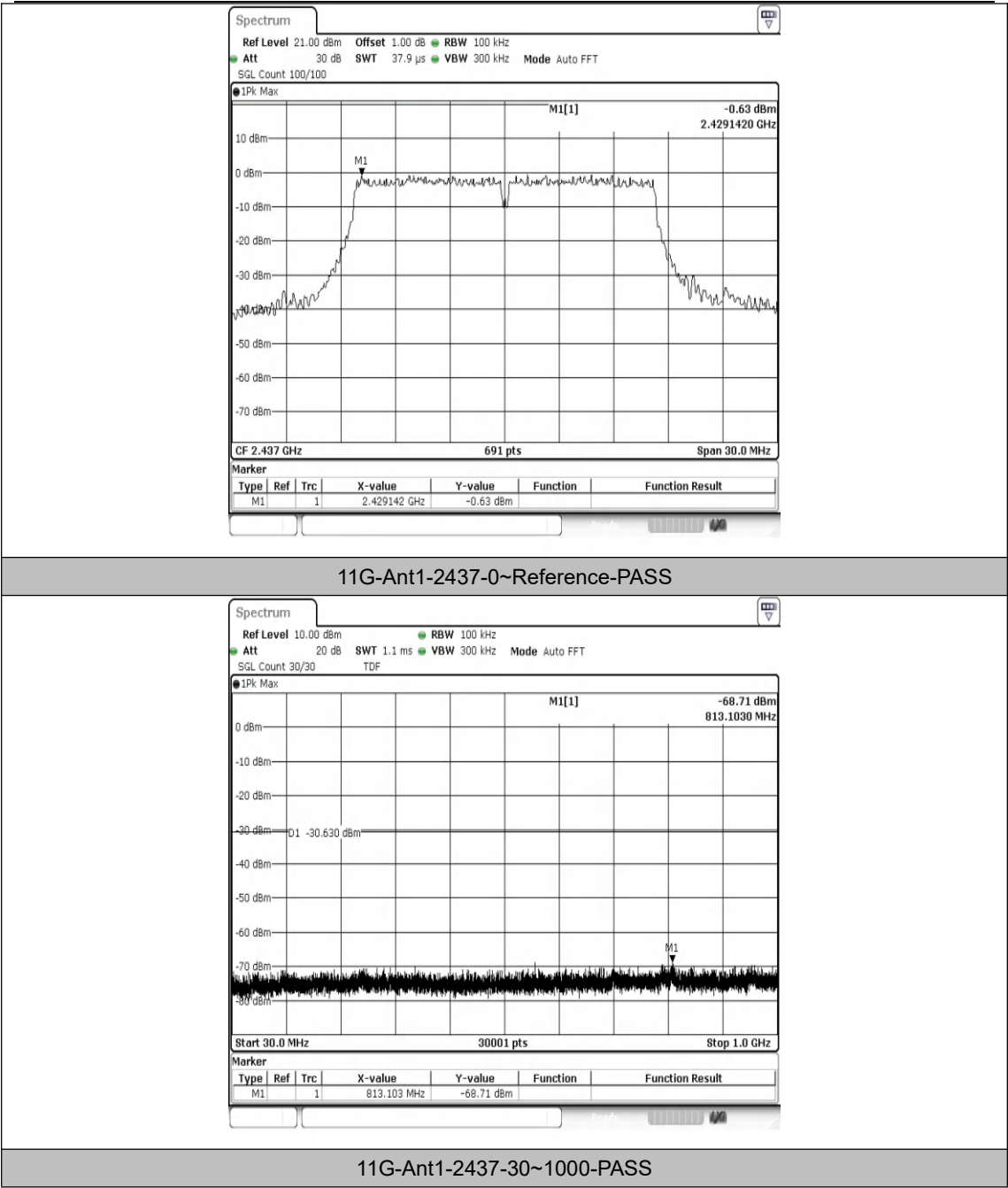


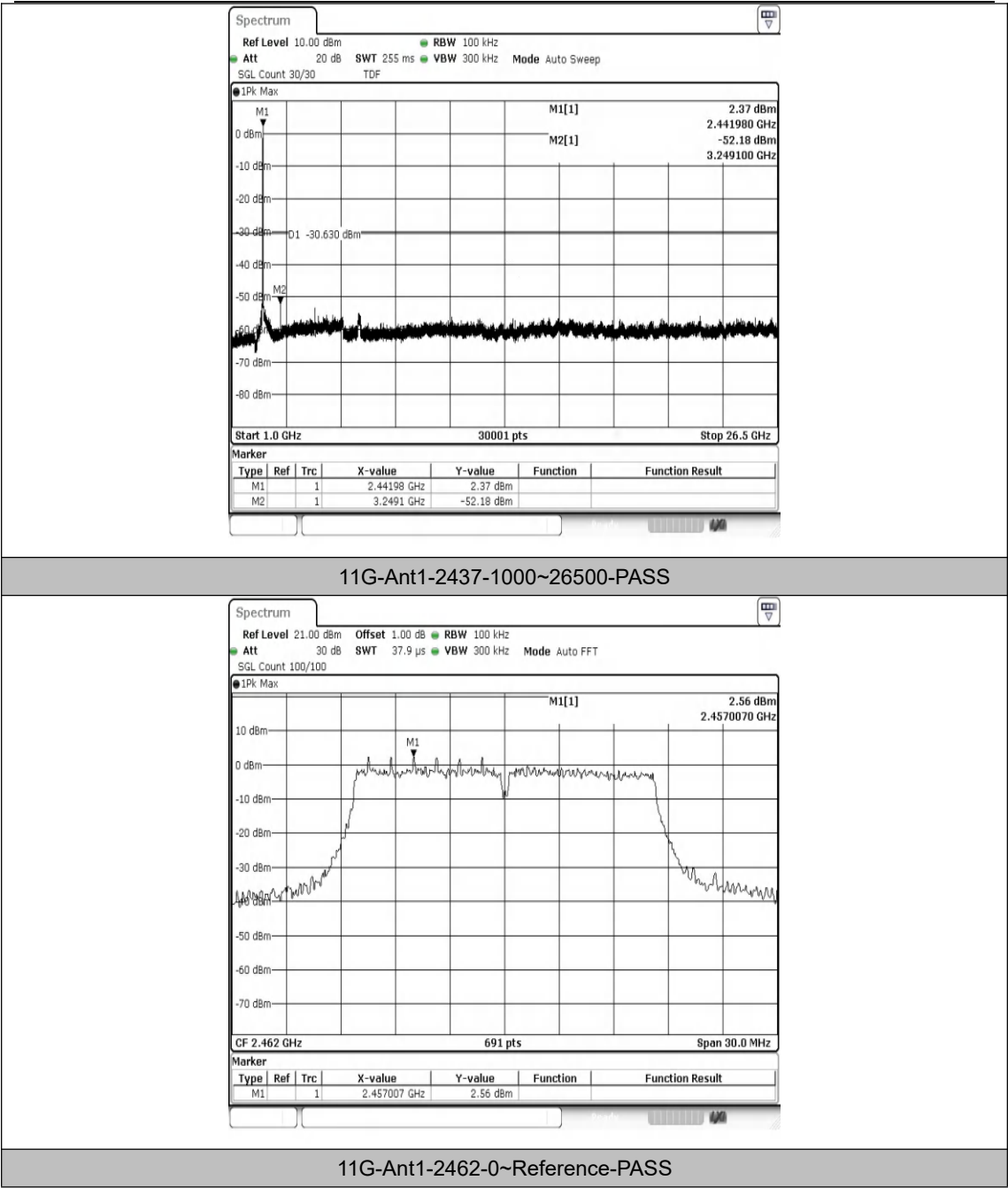


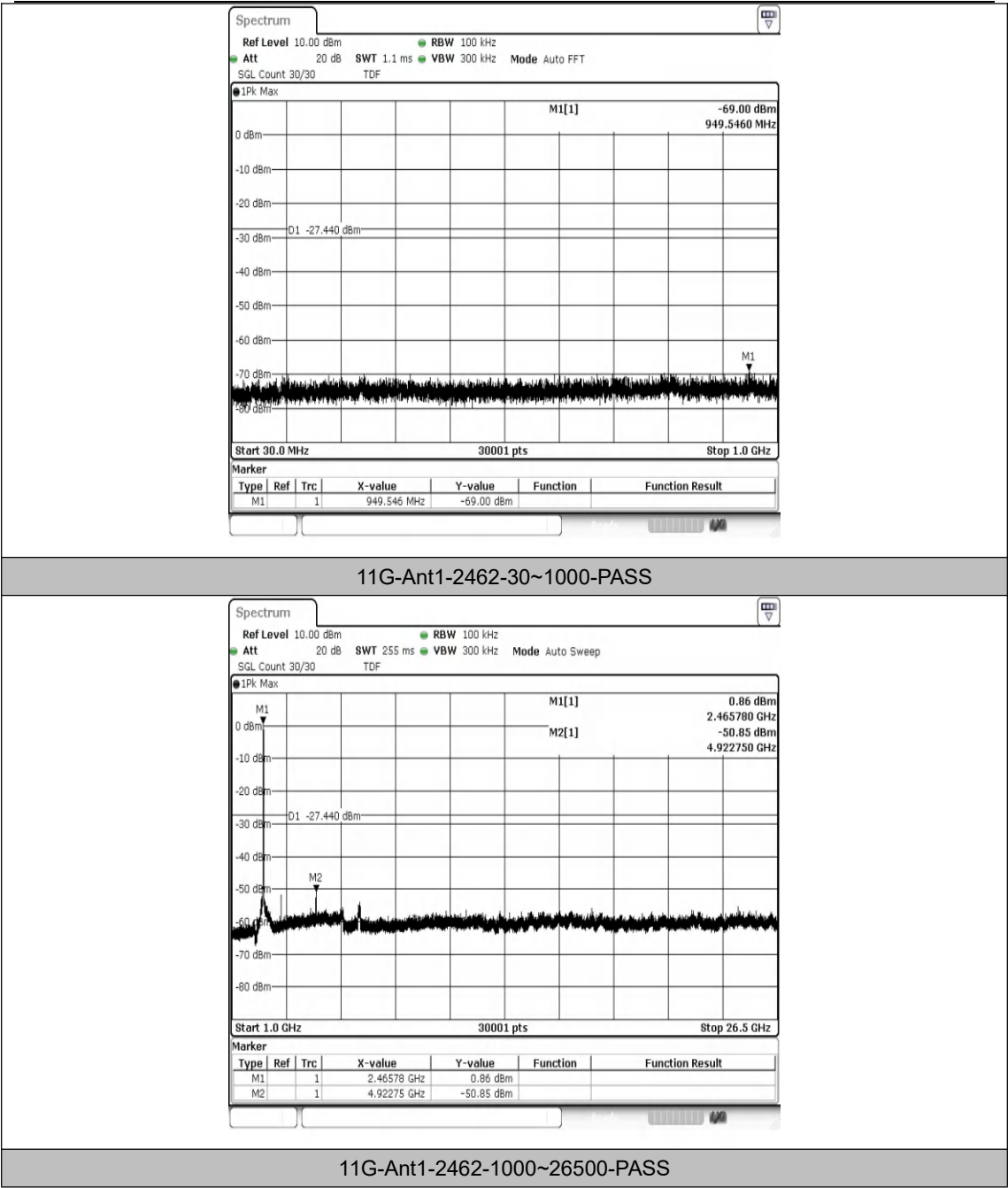


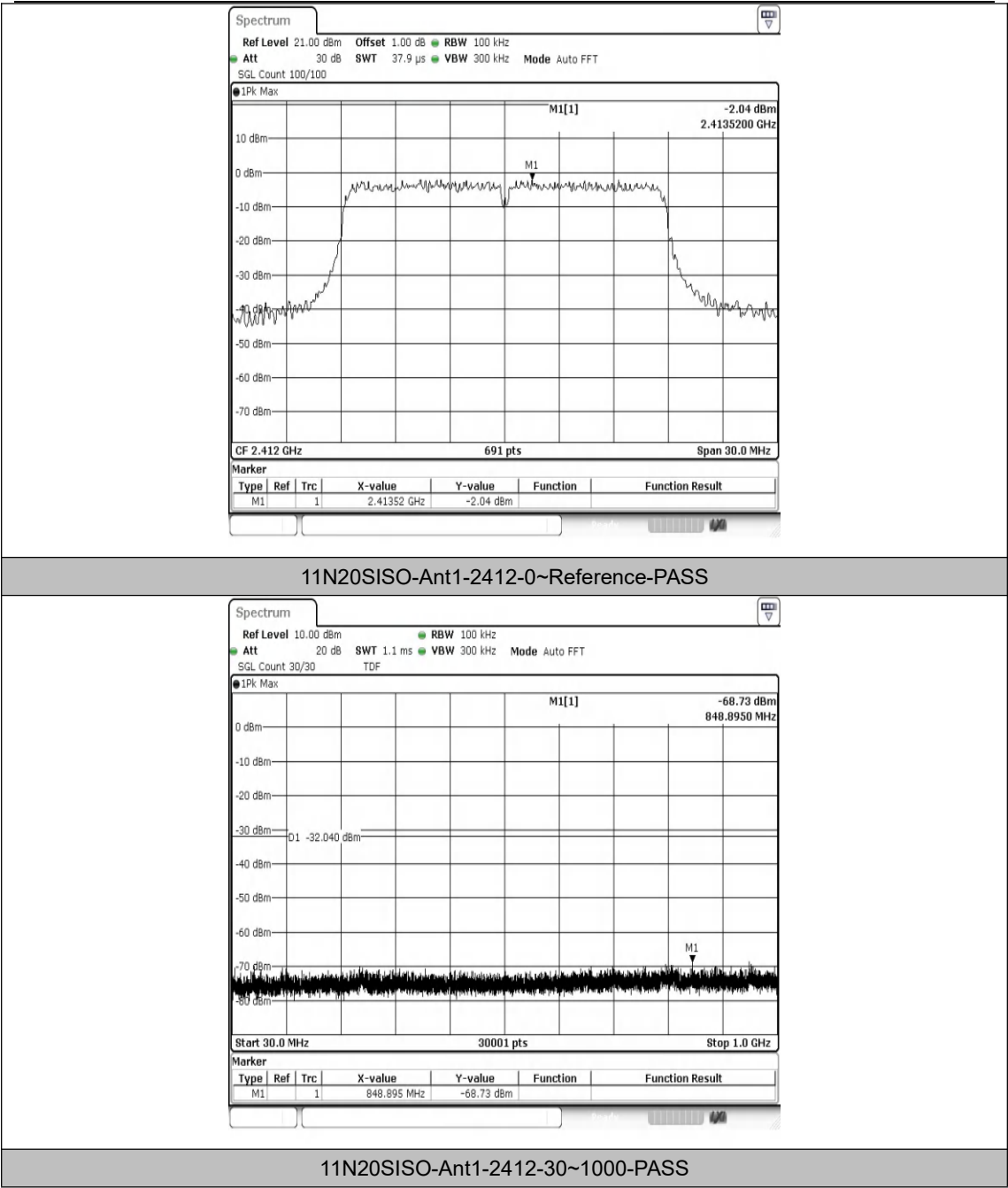


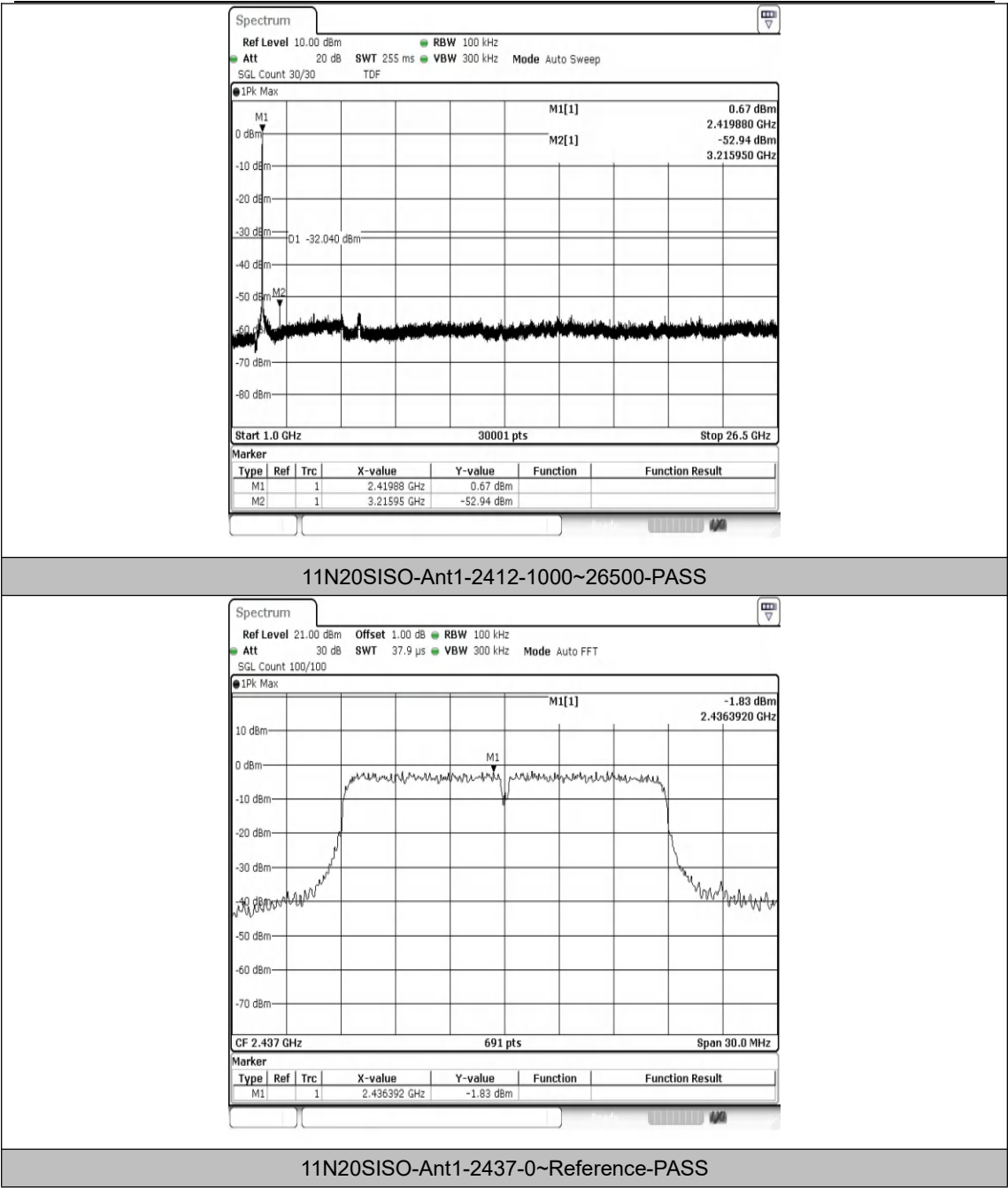


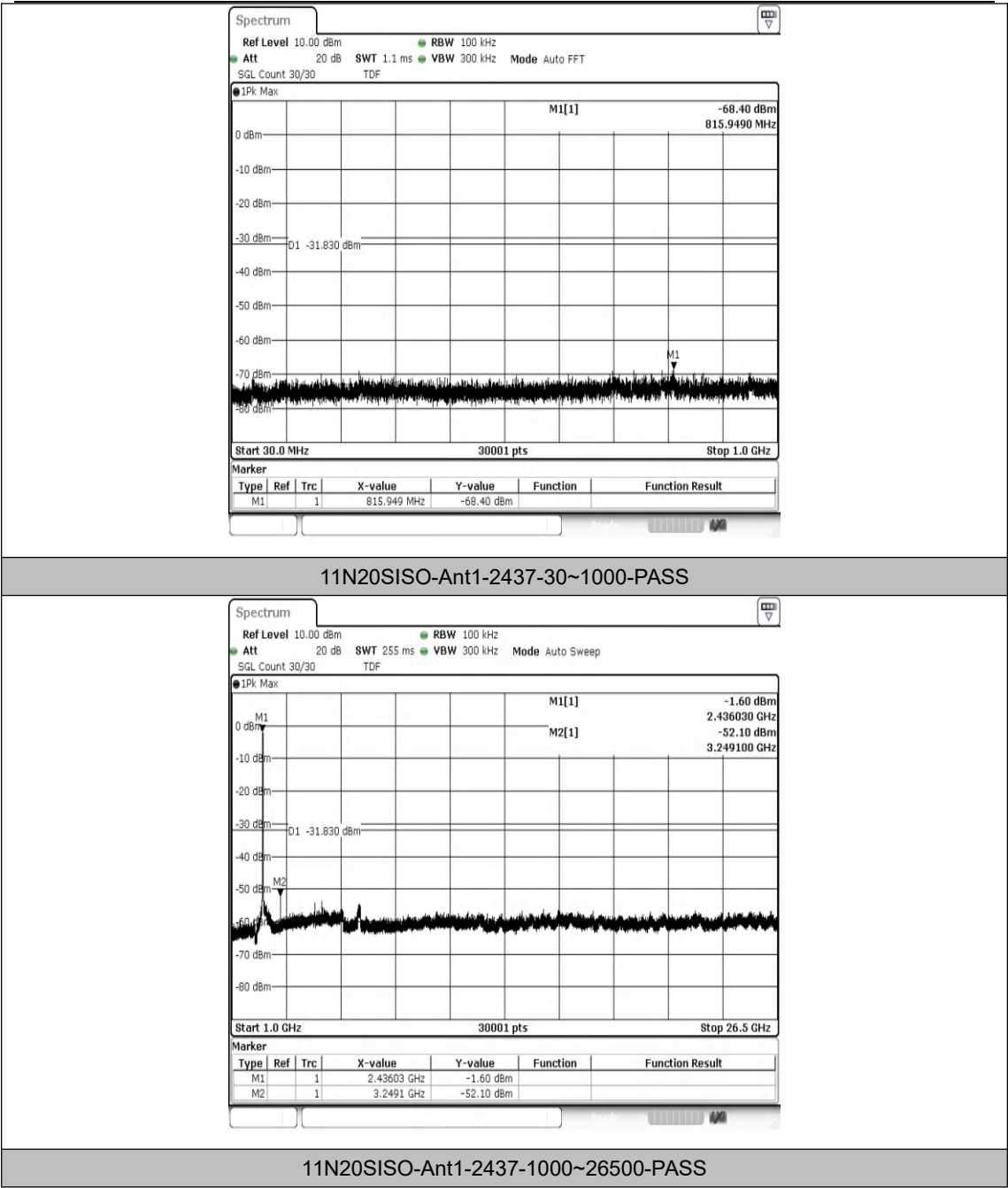








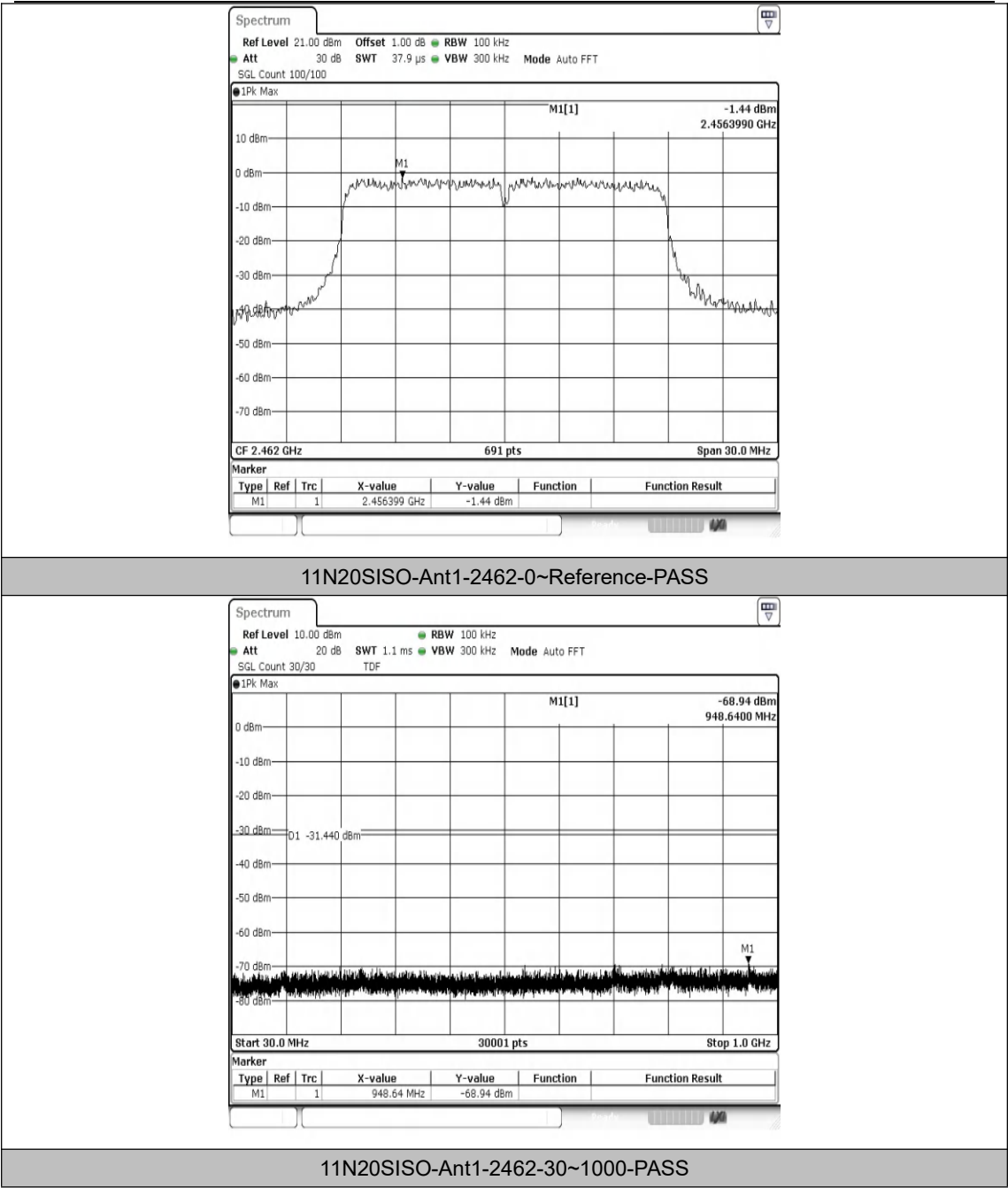


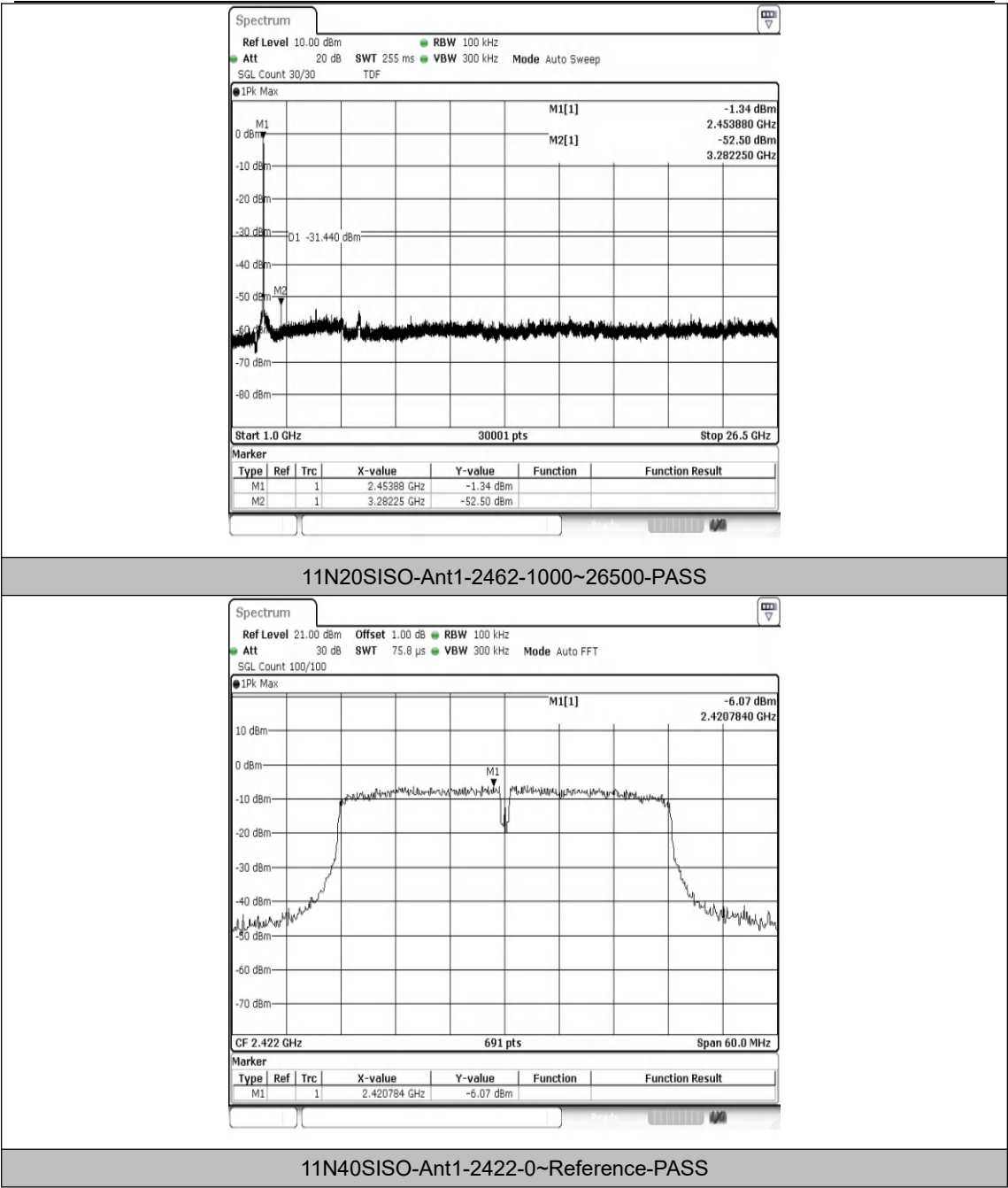


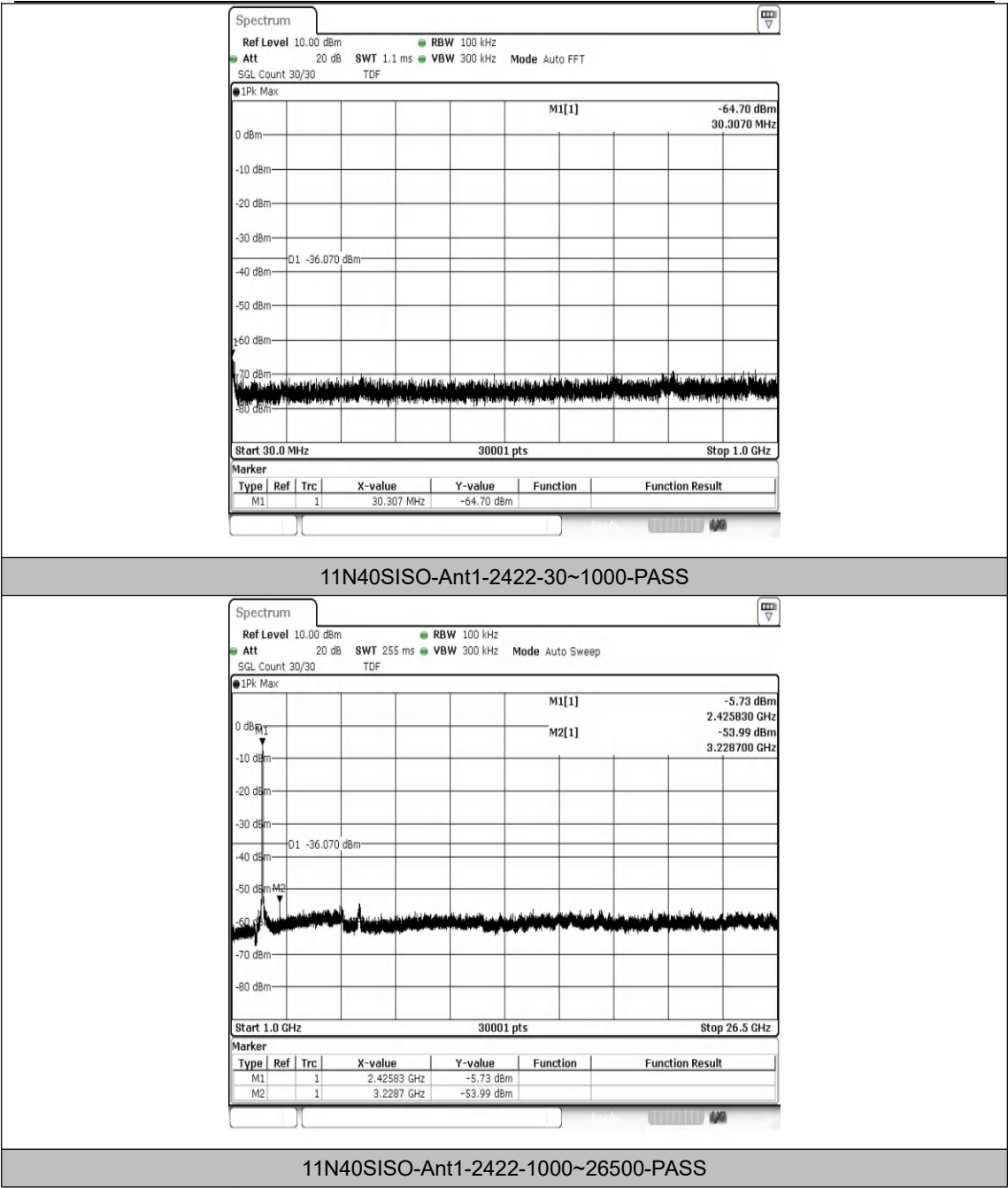
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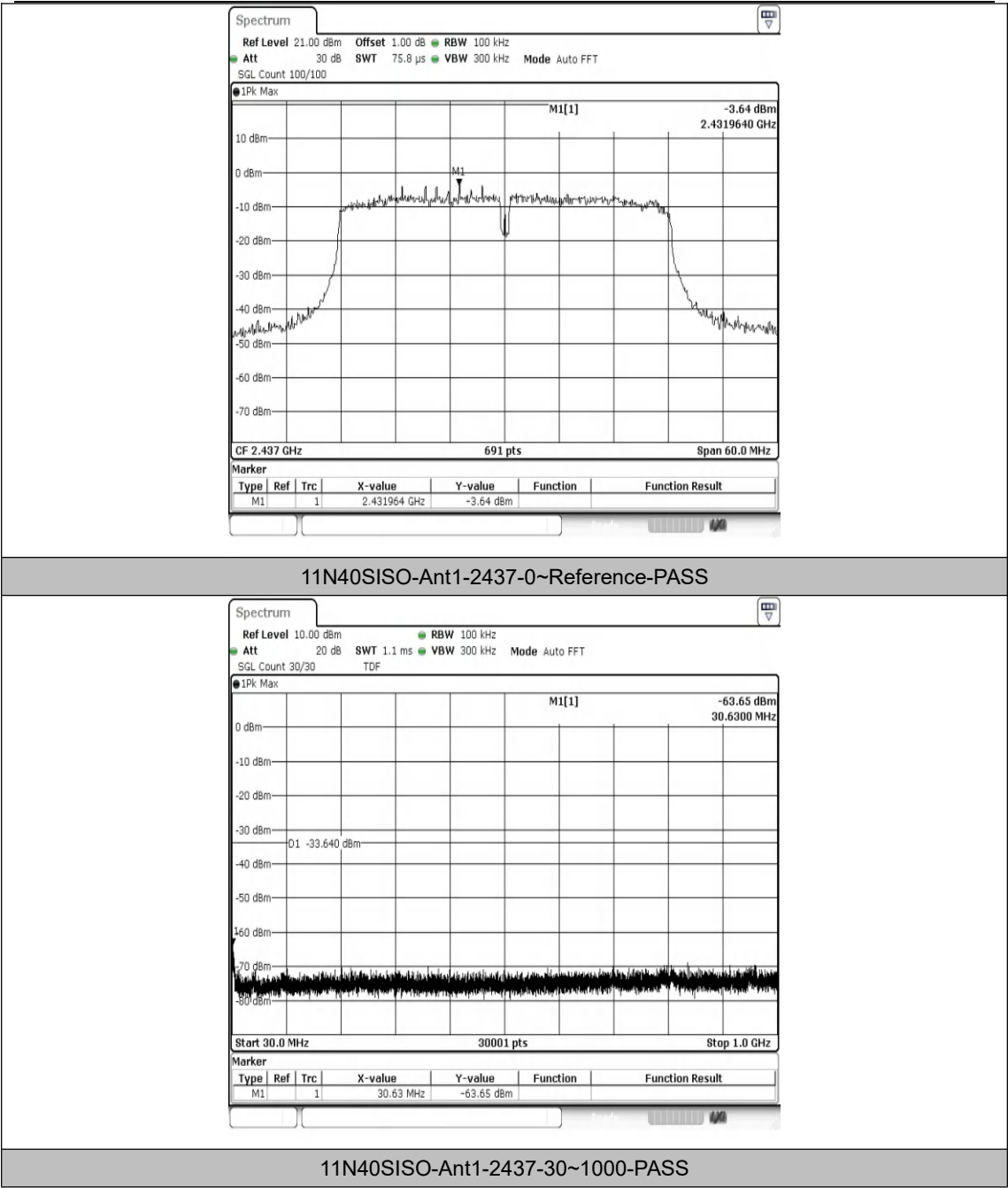
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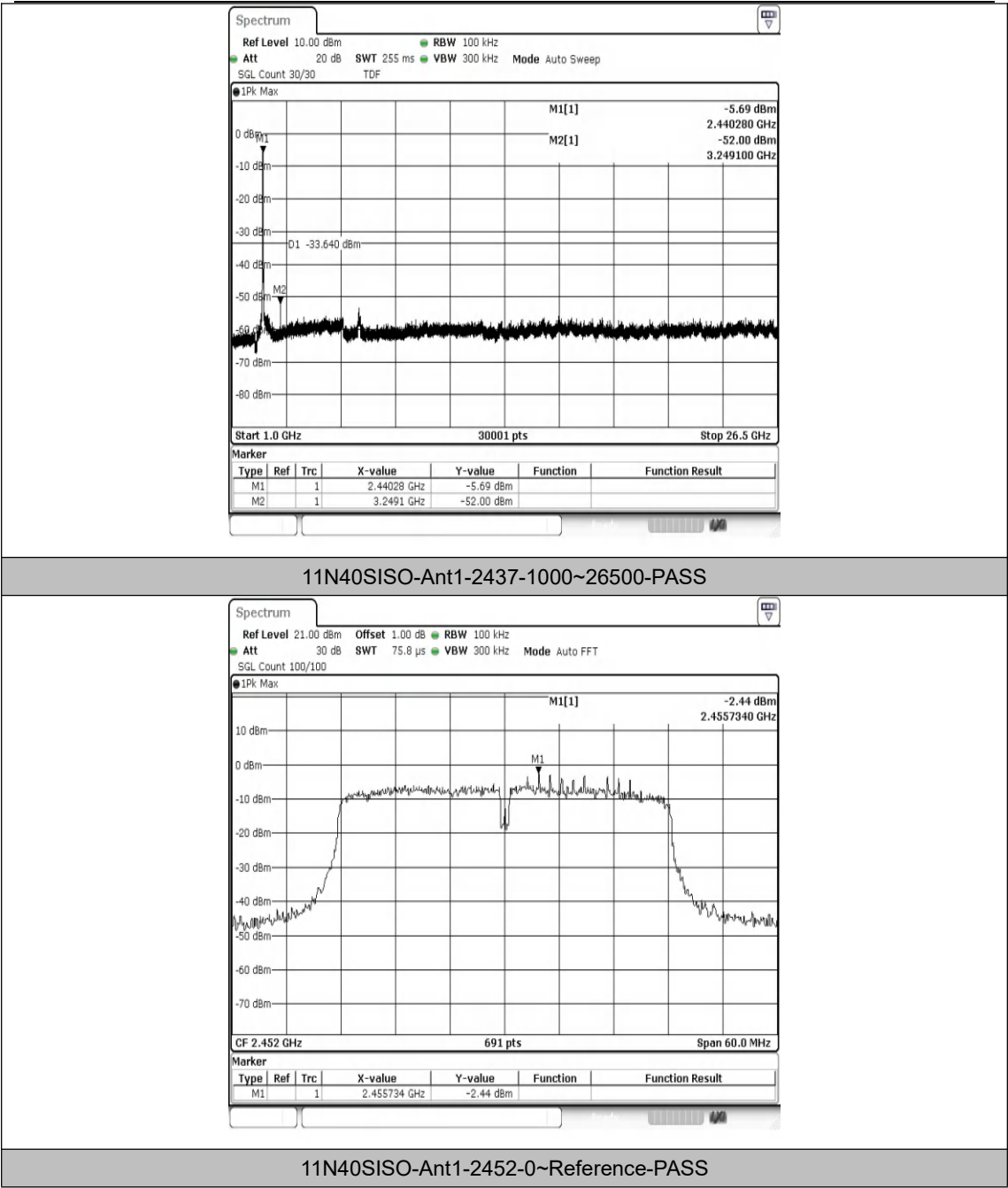
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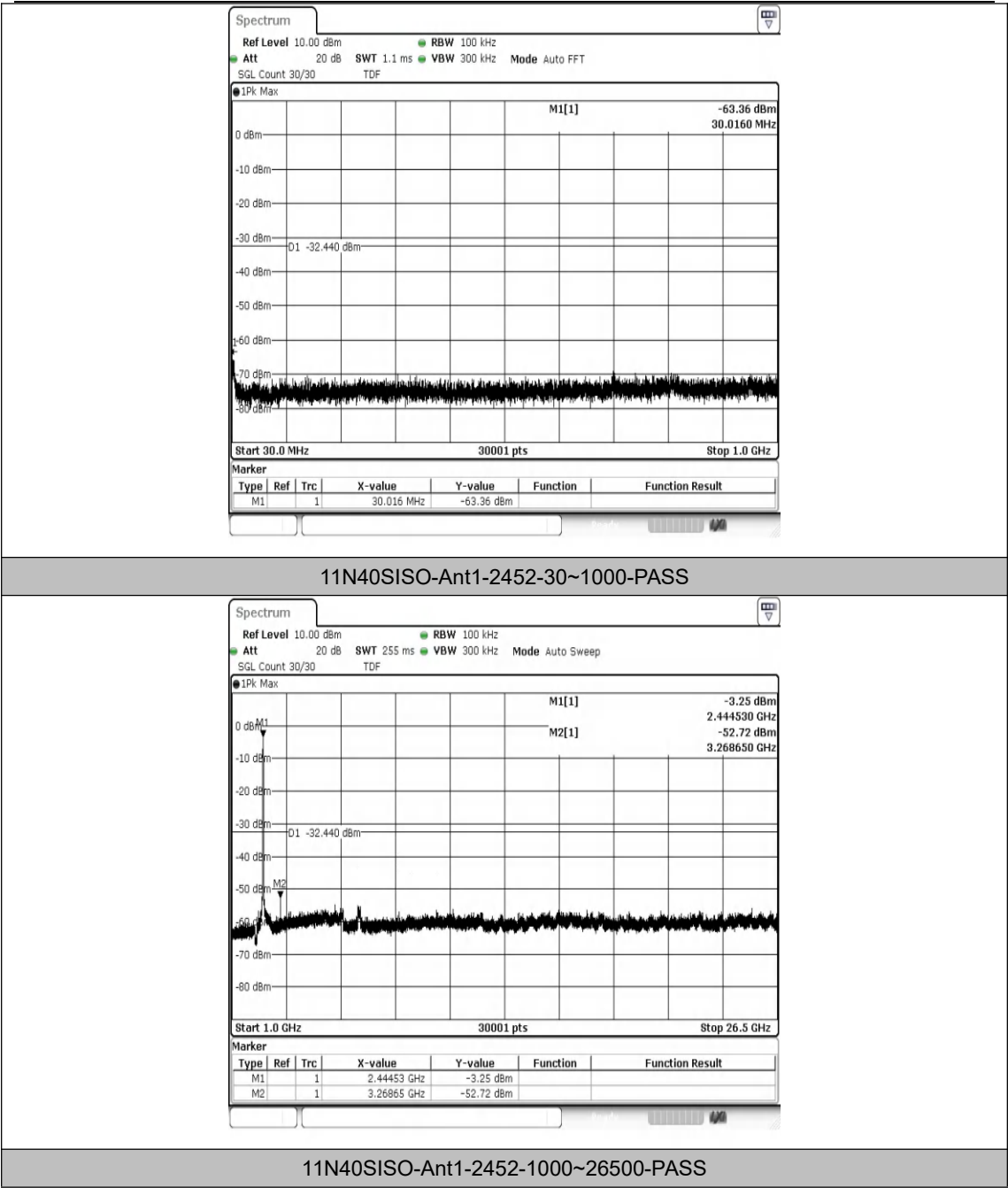










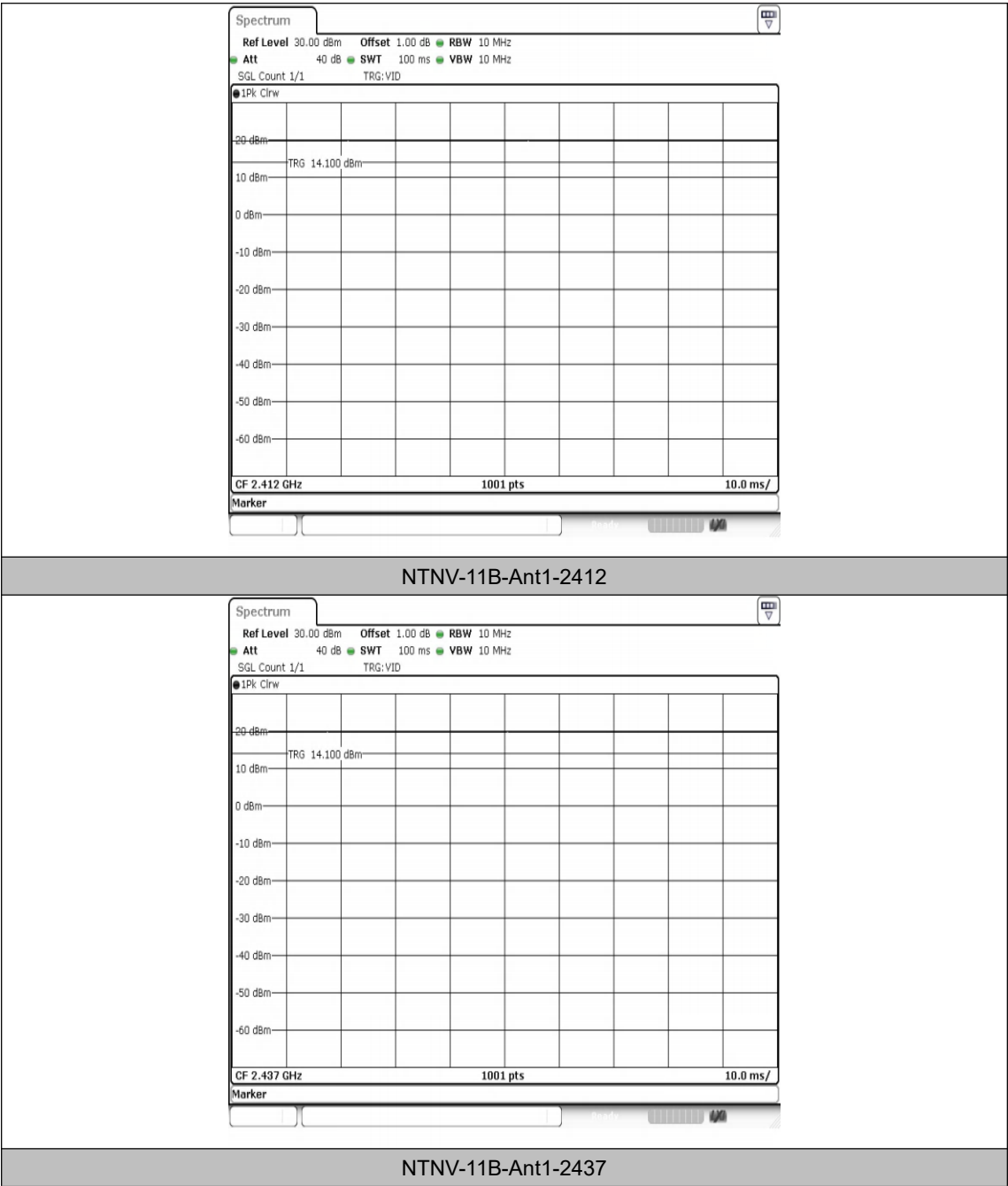


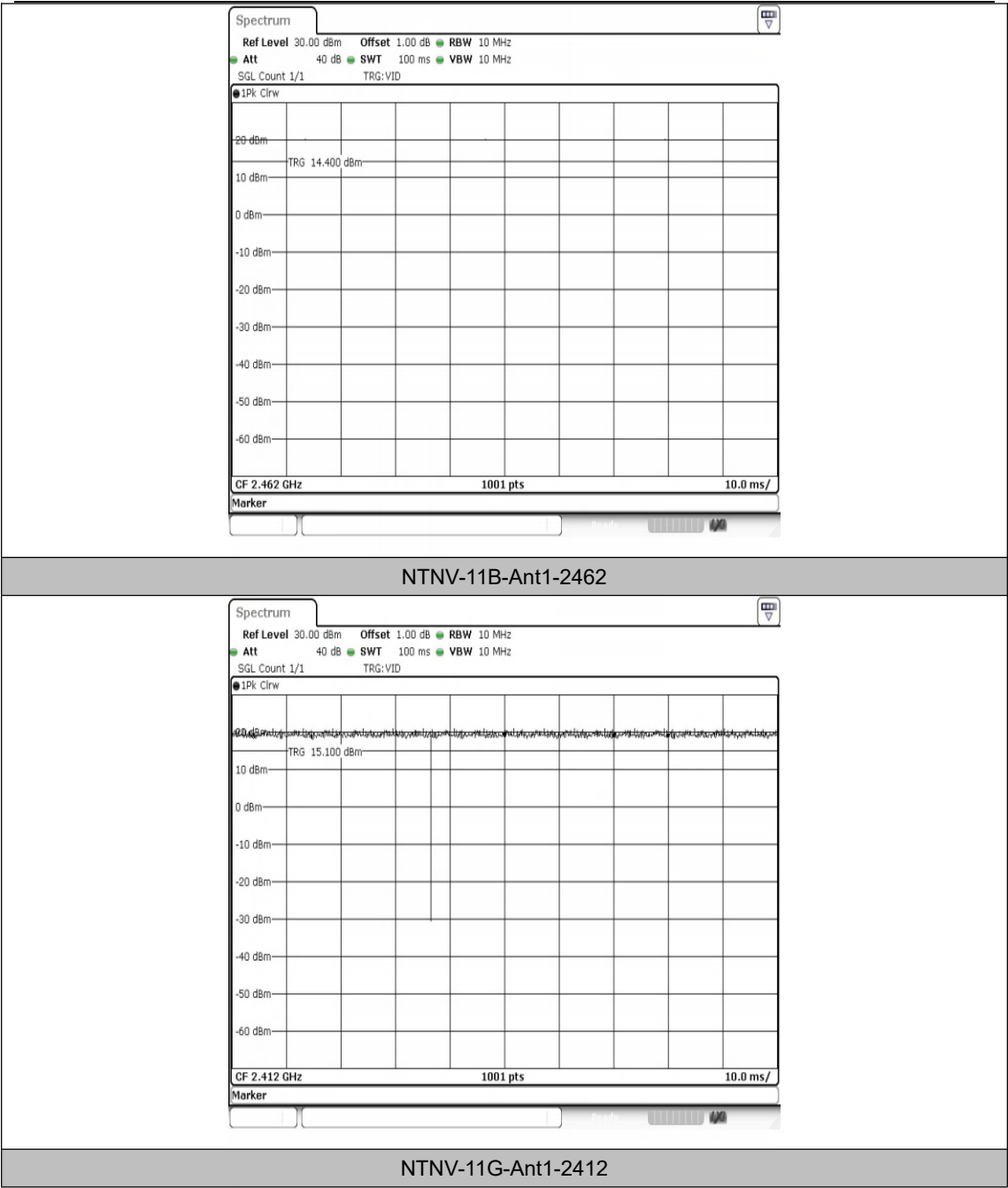
Appendix G: Duty Cycle

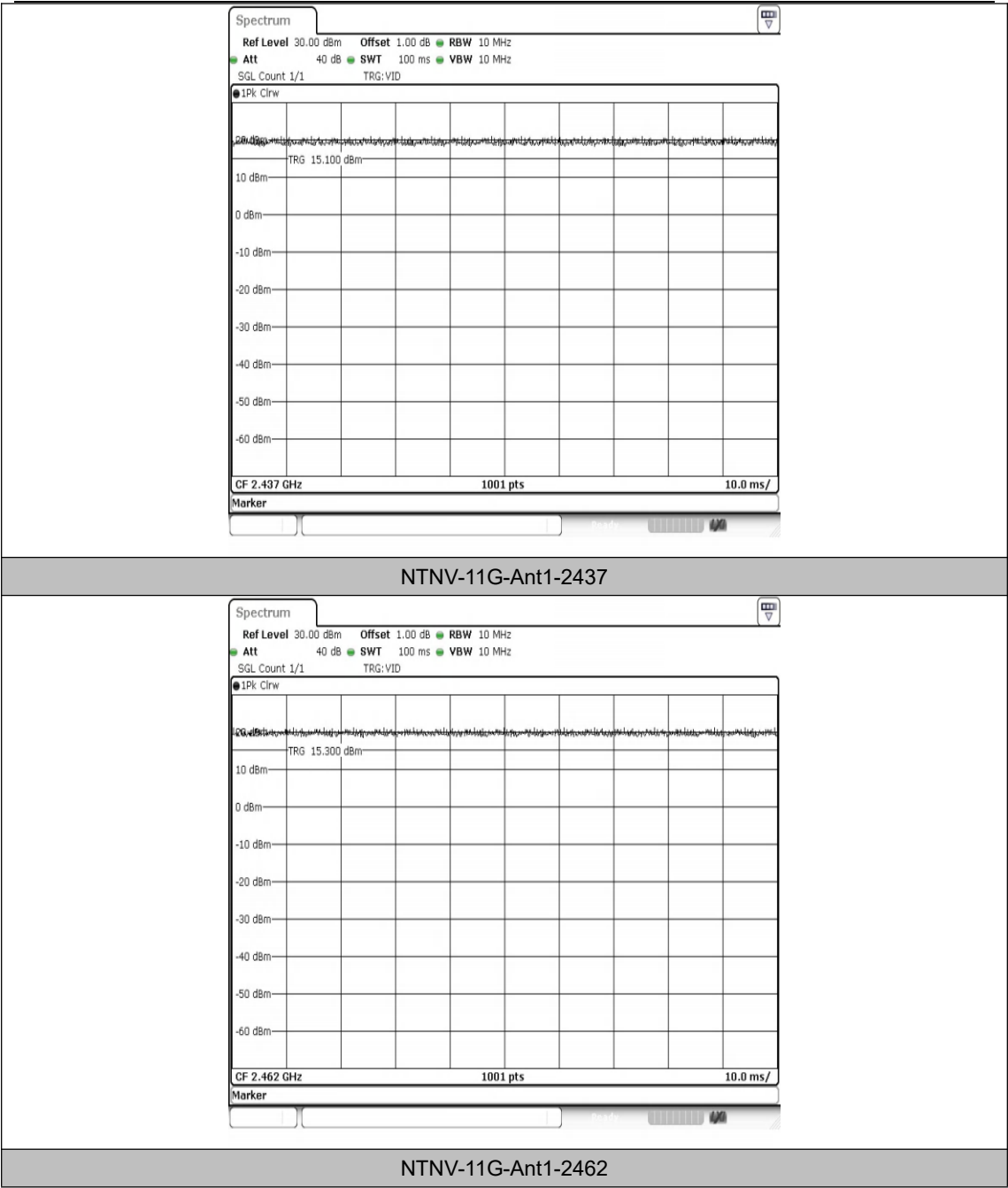
Test Result

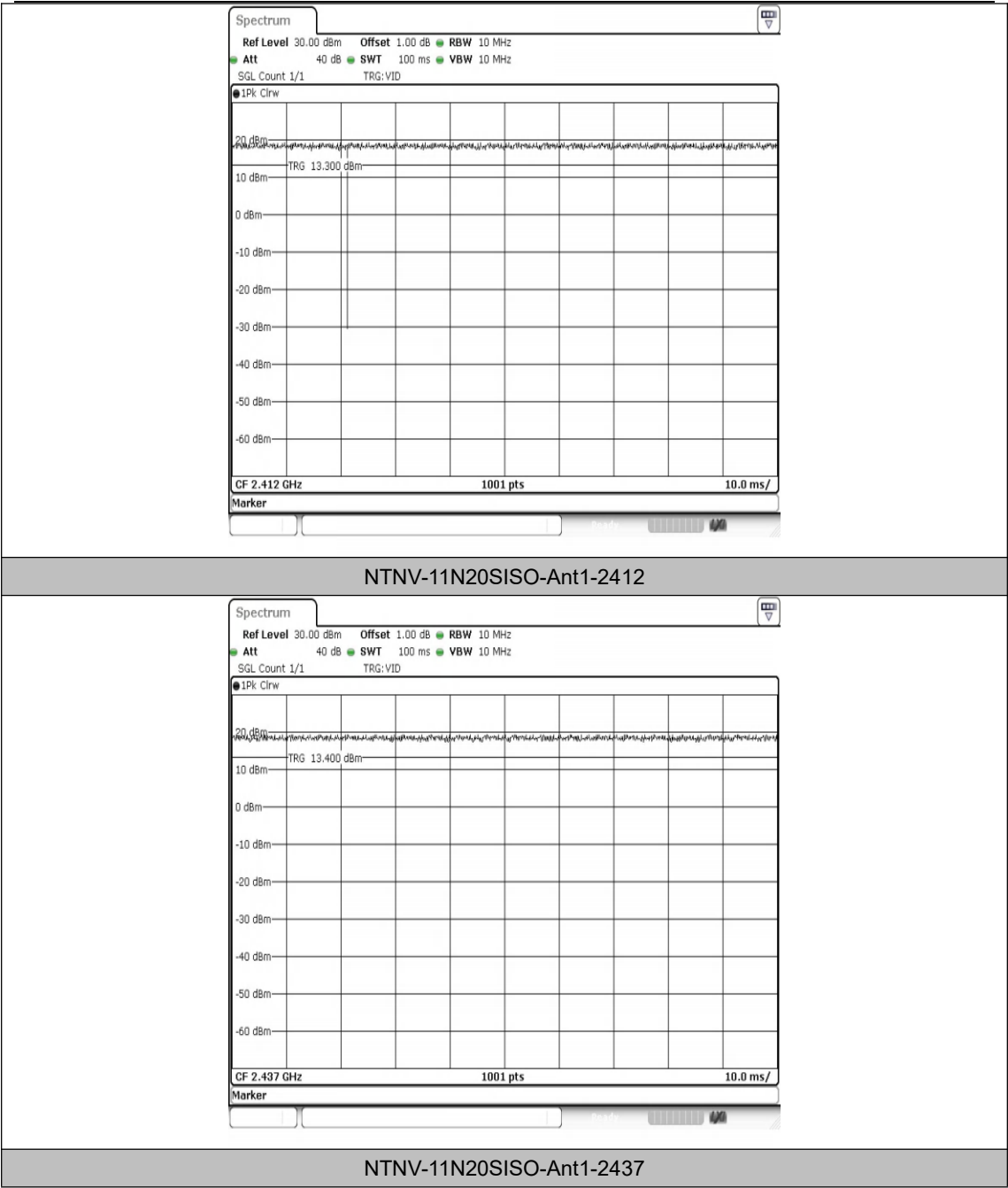
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00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

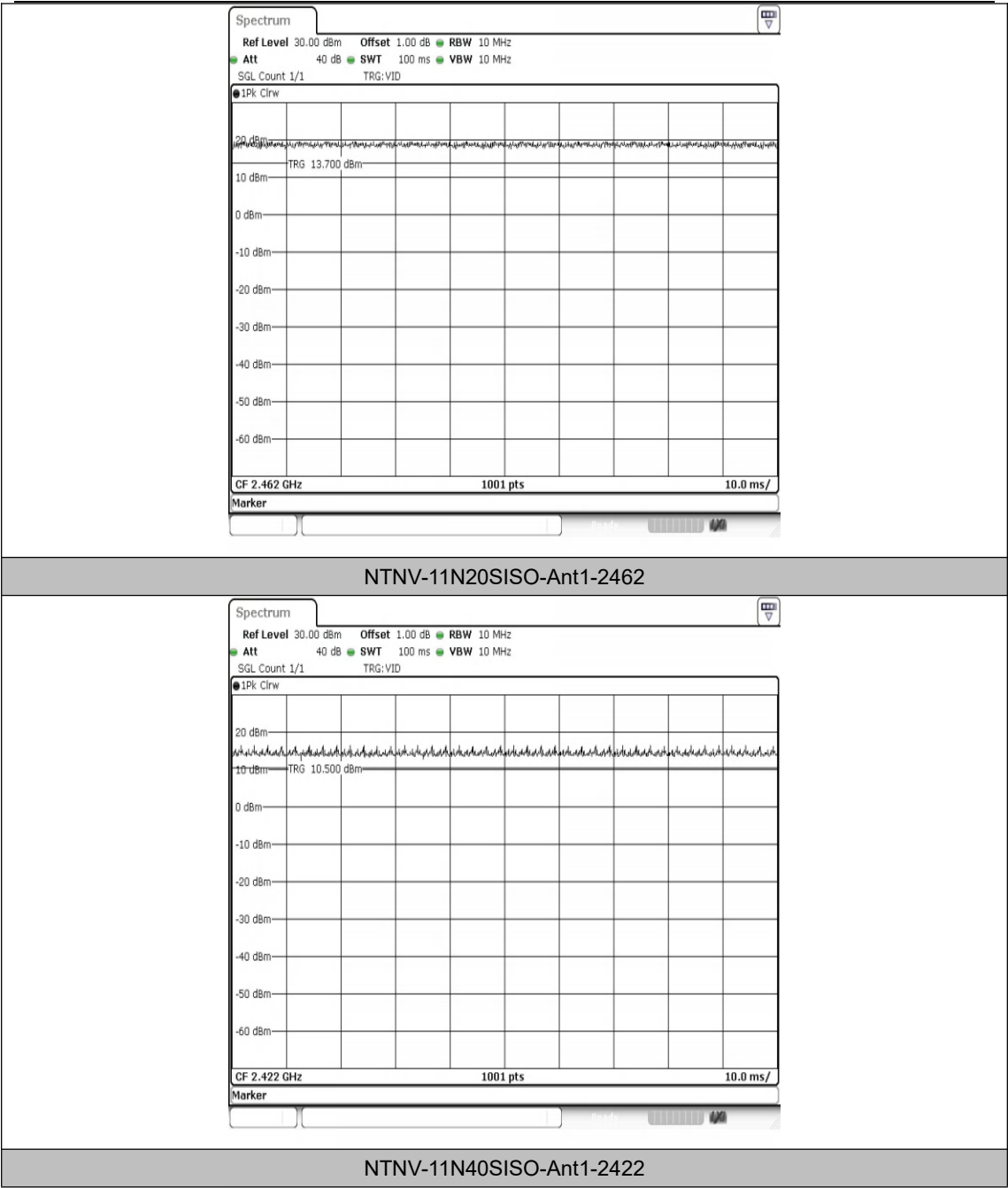
Test Graphs

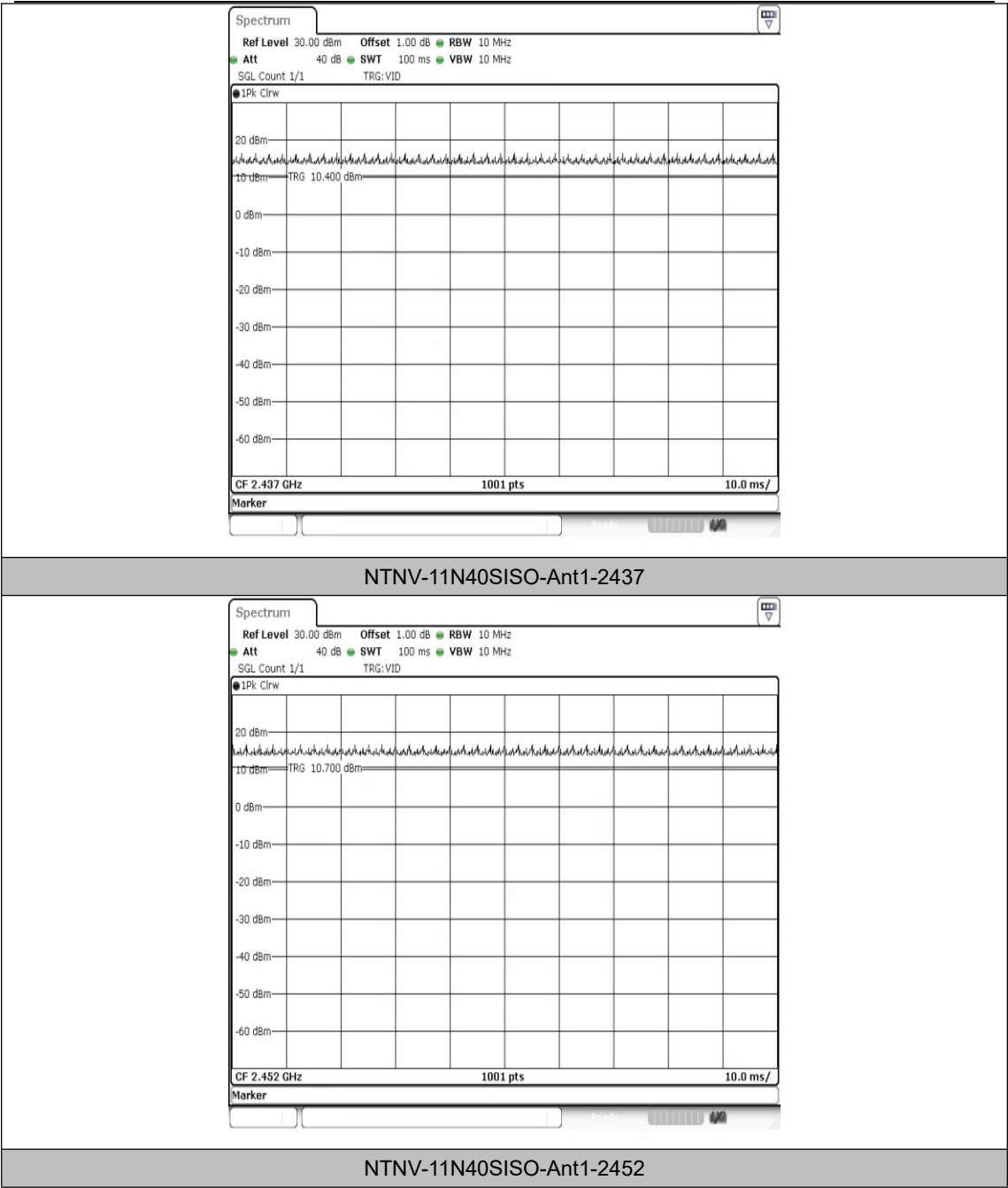












---End---