

Appendix Test Data

Report No.:	1812C50257612502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-7	Finish Test Date:	2025-7-9
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.9°C	Relative Humidity:	47%
Pressure:	101kPa		

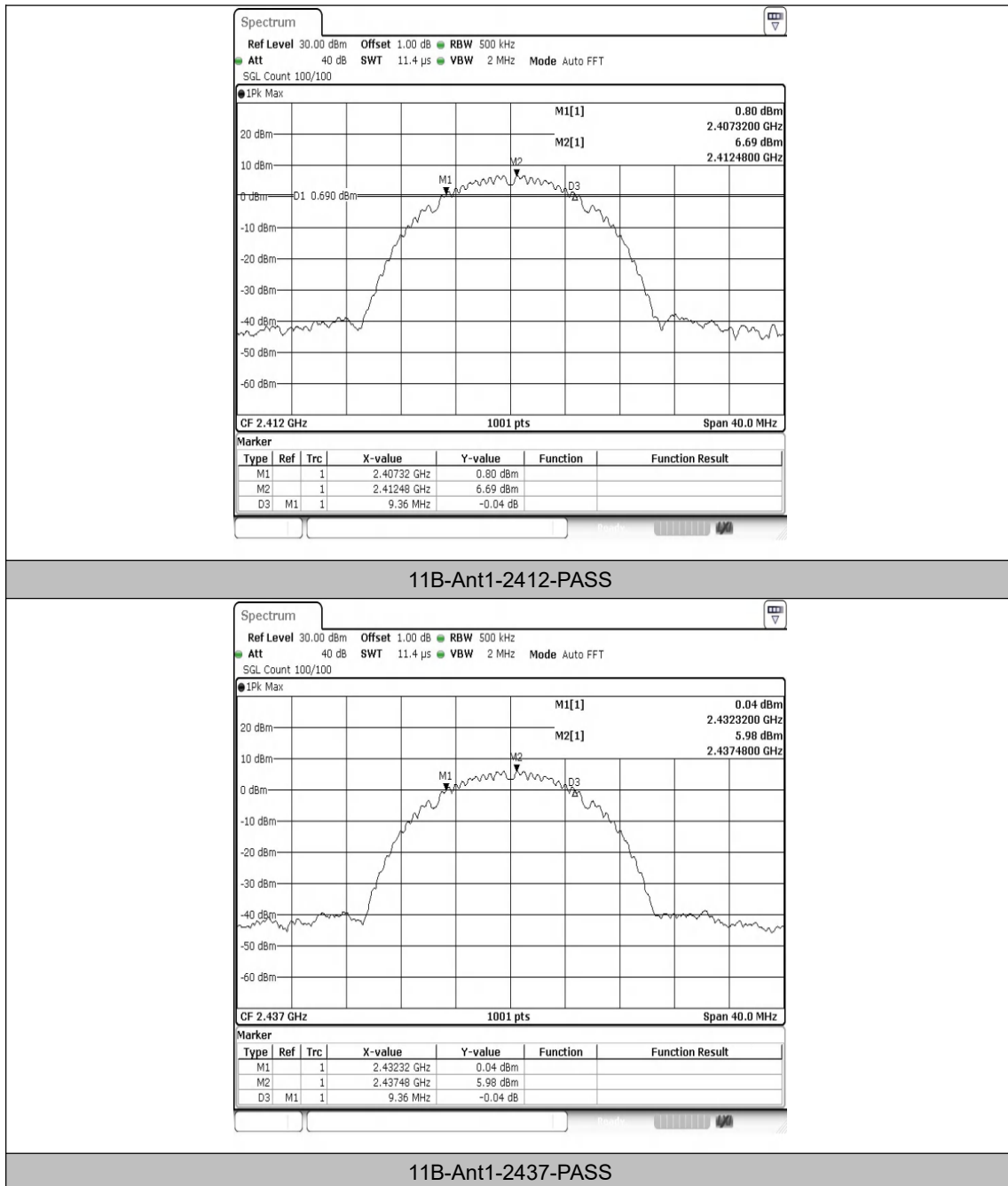
Appendix A: 6dB Bandwidth

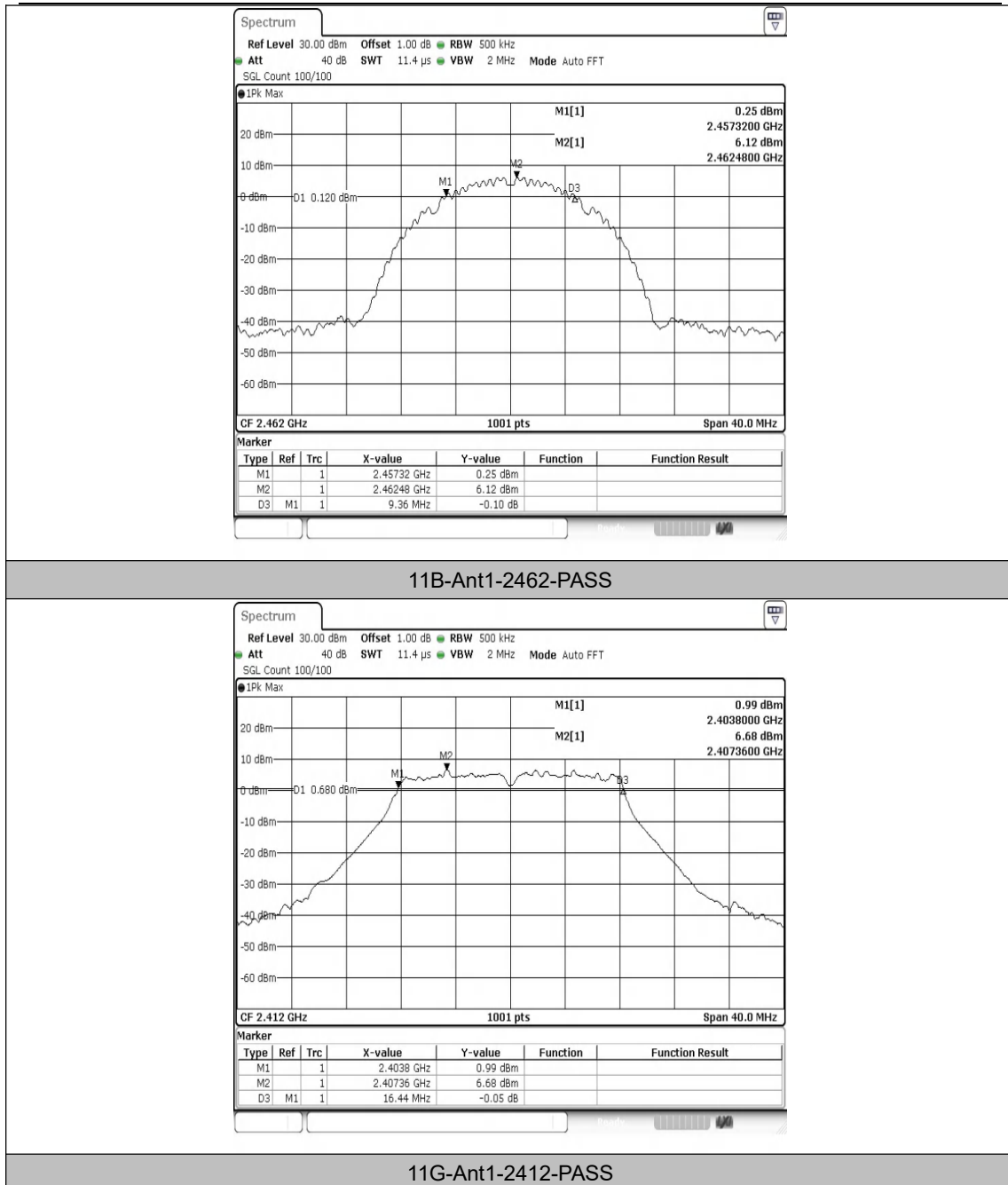
Test Result

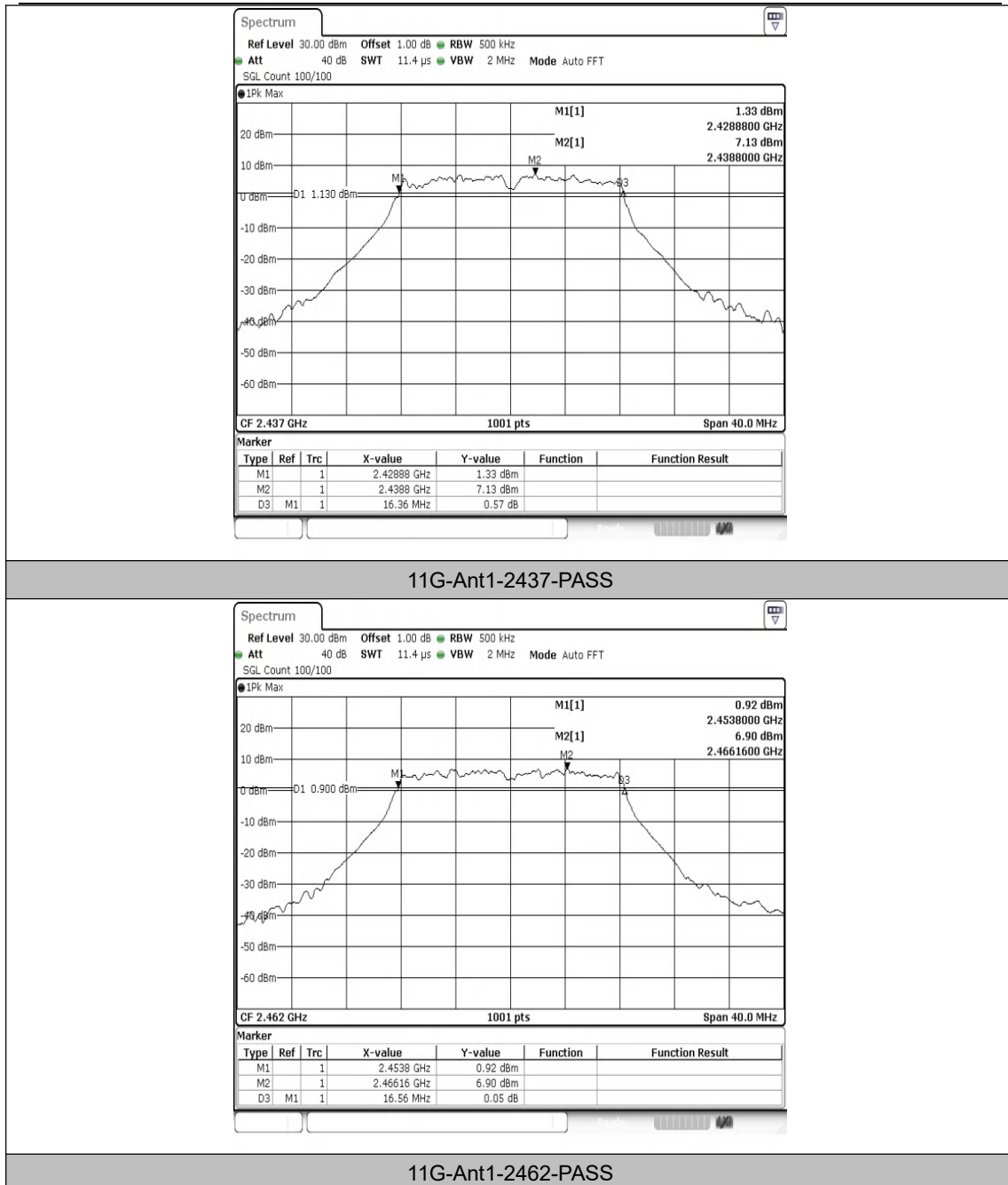
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.36	2407.32	2416.68	0.5	PASS
11B	Ant1	2437	9.36	2432.32	2437.48	0.5	PASS
11B	Ant1	2462	9.36	2457.32	2466.68	0.5	PASS
11G	Ant1	2412	16.44	2403.80	2420.24	0.5	PASS
11G	Ant1	2437	16.36	2428.88	2445.24	0.5	PASS
11G	Ant1	2462	16.56	2453.80	2470.36	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.12	2420.76	0.5	PASS
11N20SISO	Ant1	2437	17.56	2428.16	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.60	2453.24	2470.84	0.5	PASS



Test Graphs



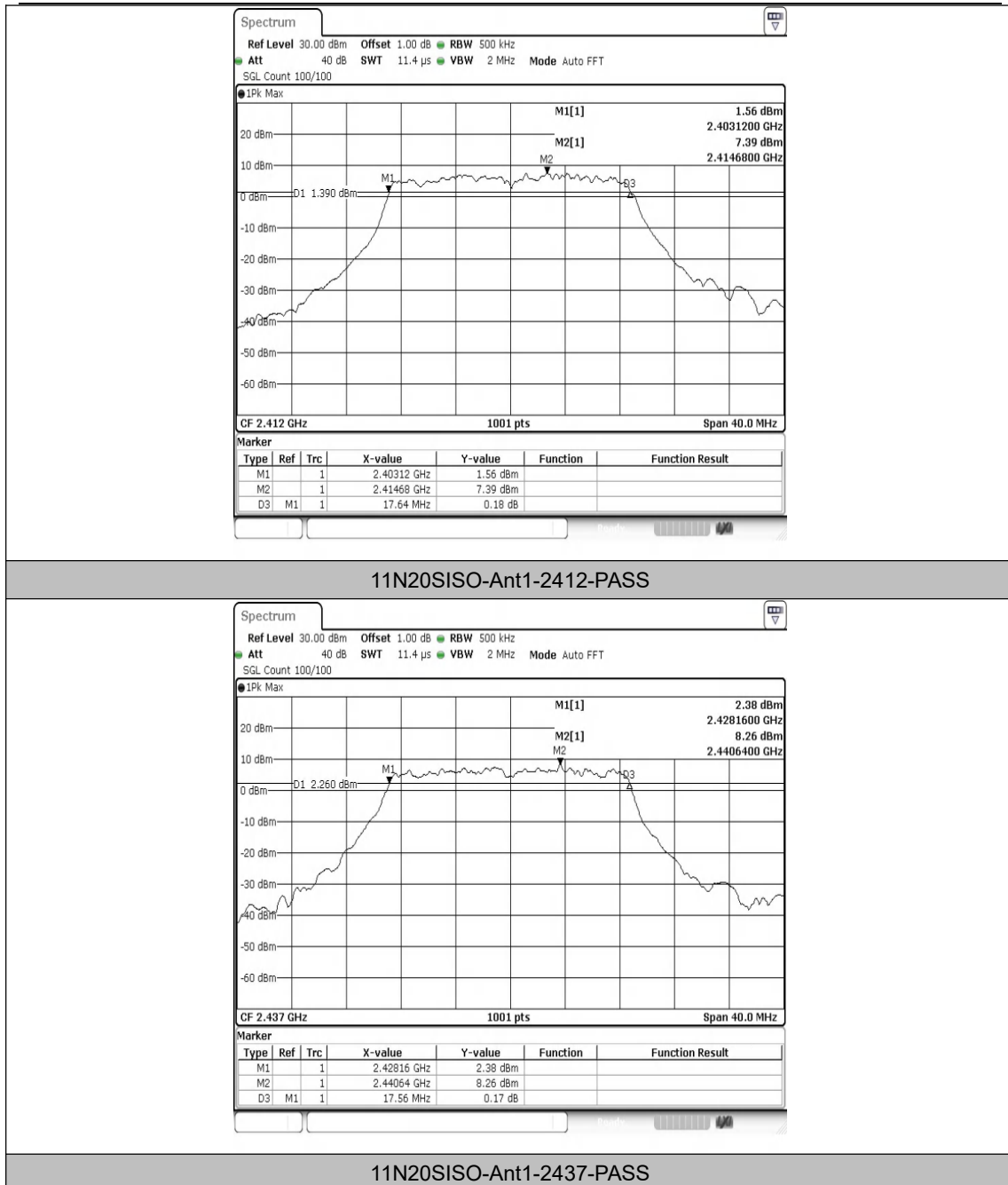


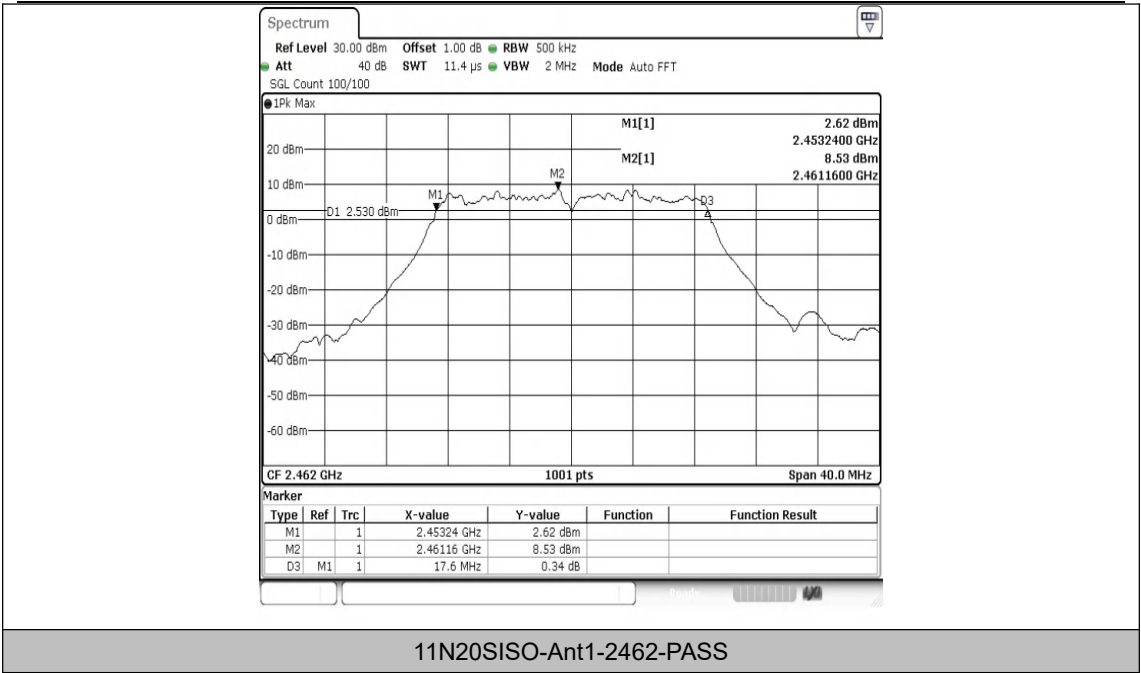


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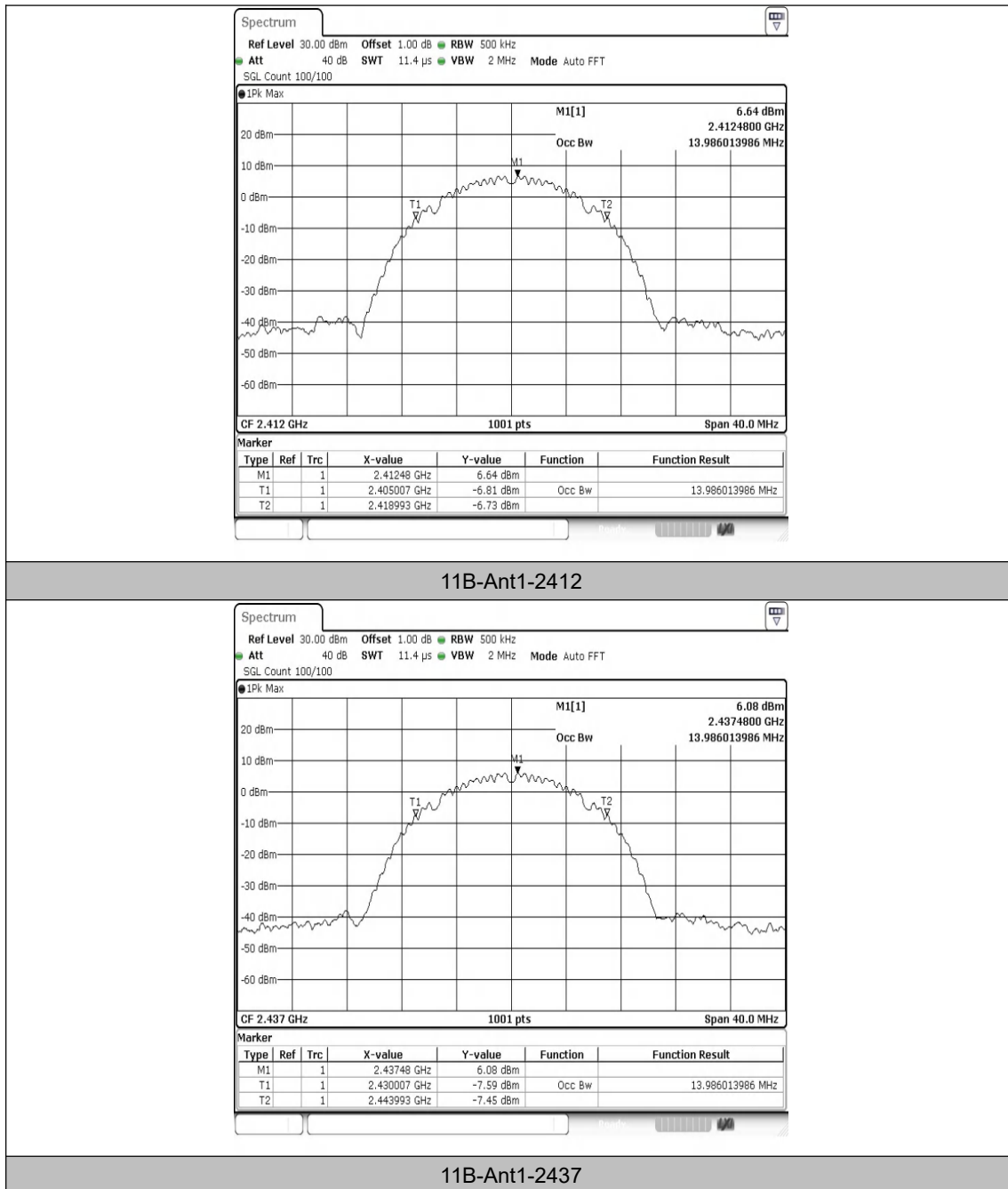
Appendix B: 99% Occupied Bandwidth

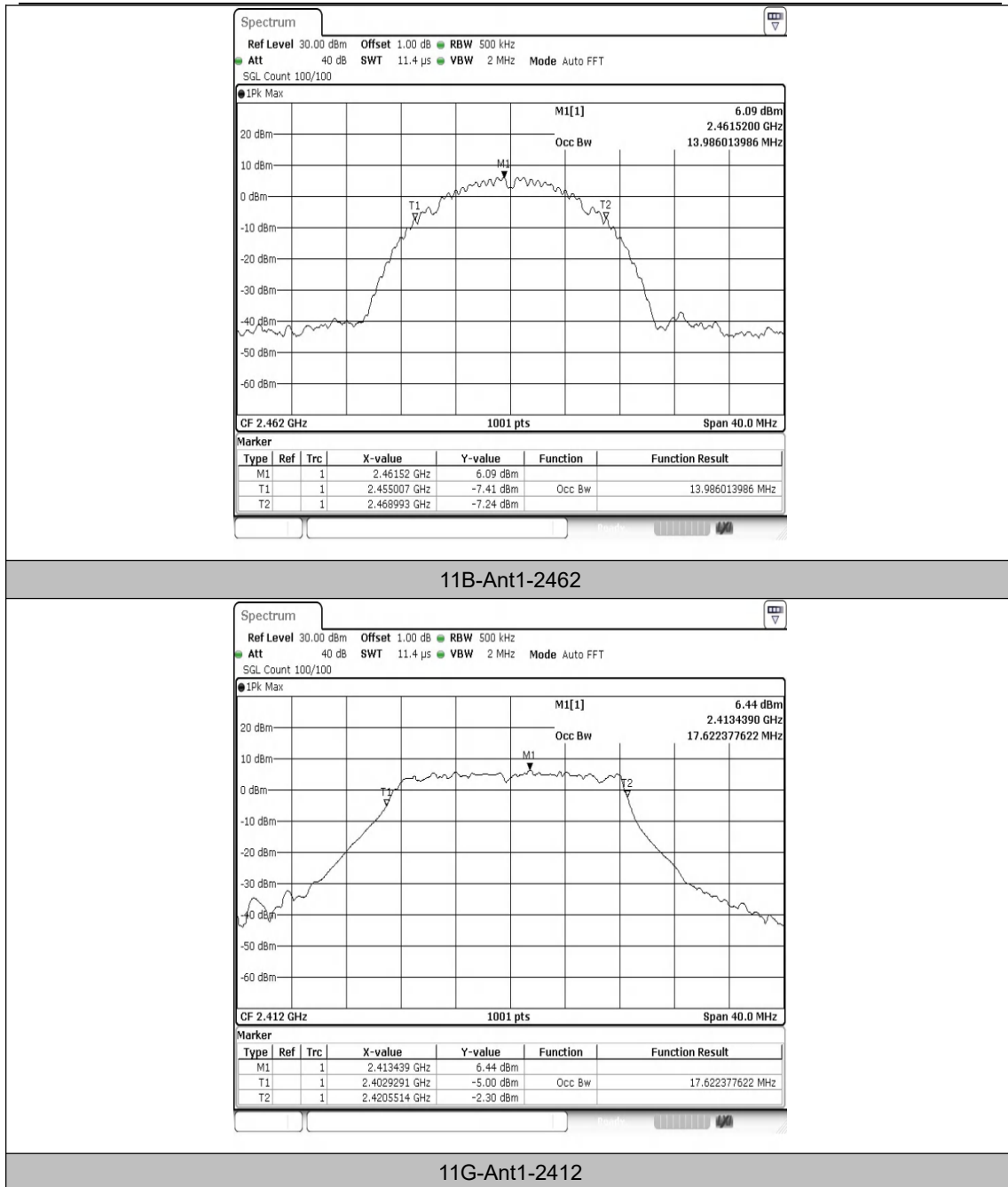
Test Result

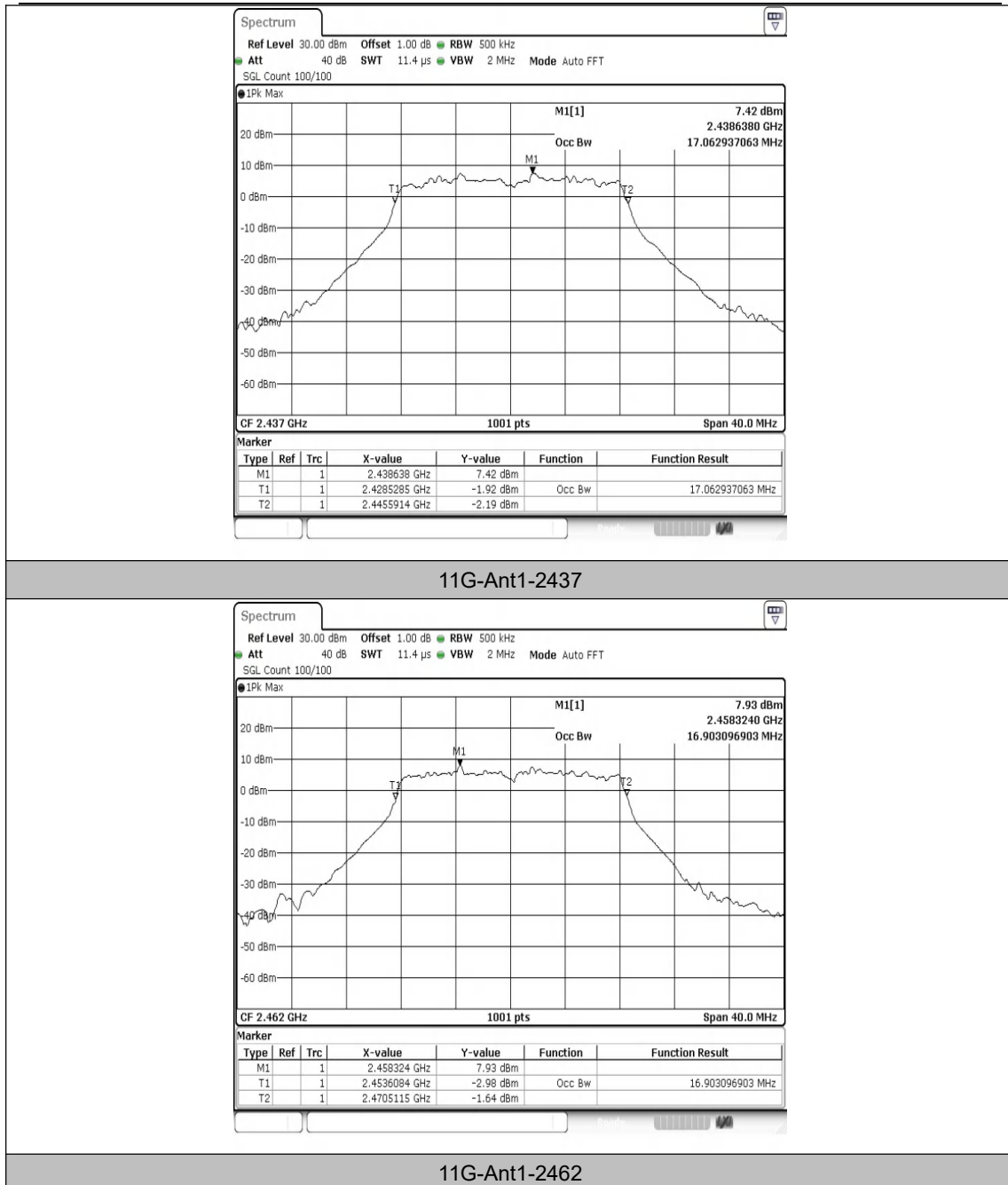
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.986	2405.0070	2418.9930	---	---
11B	Ant1	2437	13.986	2430.0070	2443.9930	---	---
11B	Ant1	2462	13.986	2455.0070	2468.9930	---	---
11G	Ant1	2412	17.622	2402.9291	2420.5514	---	---
11G	Ant1	2437	17.063	2428.5285	2445.5914	---	---
11G	Ant1	2462	16.903	2453.6084	2470.5115	---	---
11N20SISO	Ant1	2412	18.302	2402.9291	2421.2308	---	---
11N20SISO	Ant1	2437	18.222	2427.9291	2446.1508	---	---
11N20SISO	Ant1	2462	18.262	2452.7692	2471.0310	---	---

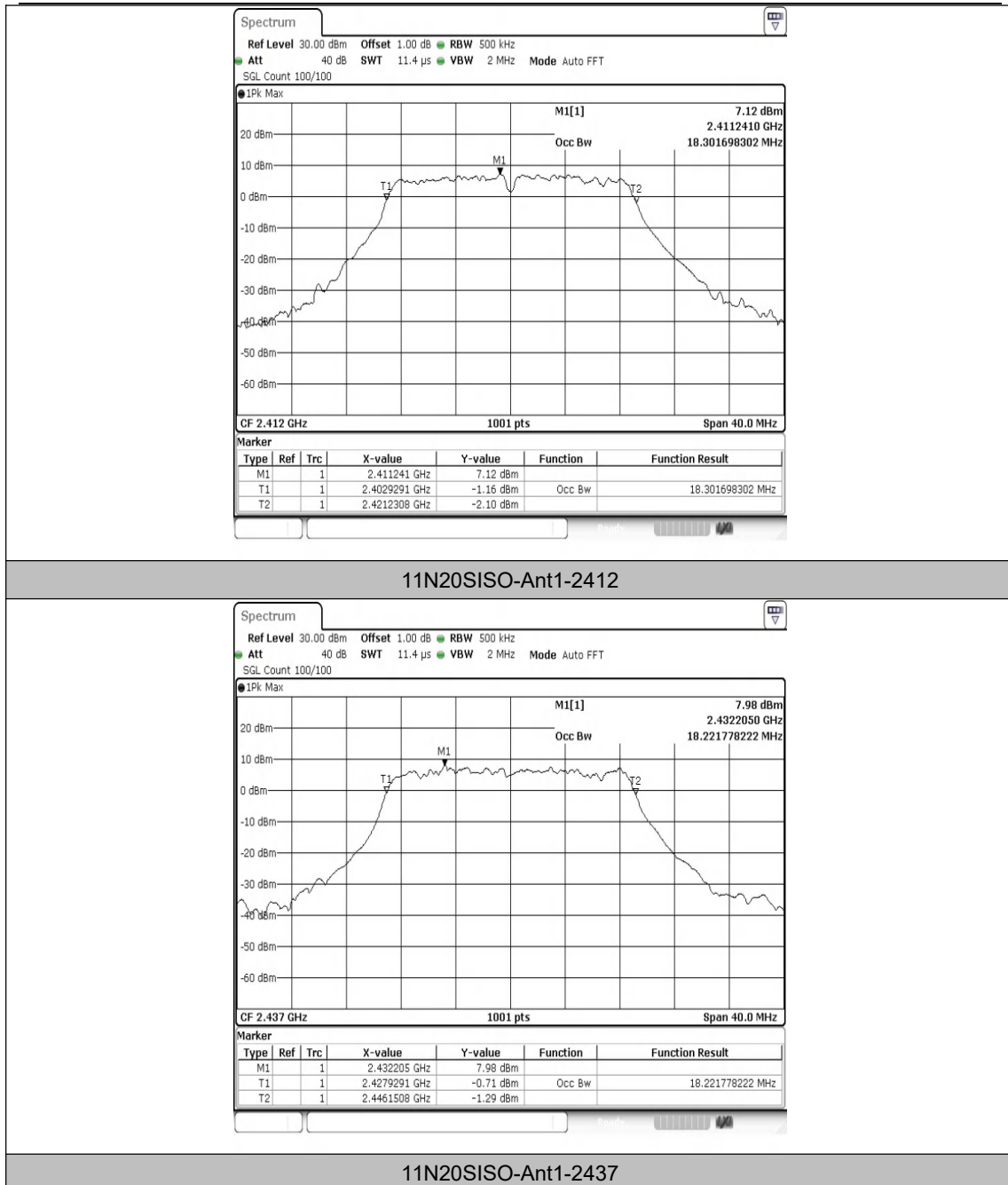


Test Graphs











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Appendix C: Maximum conducted output power

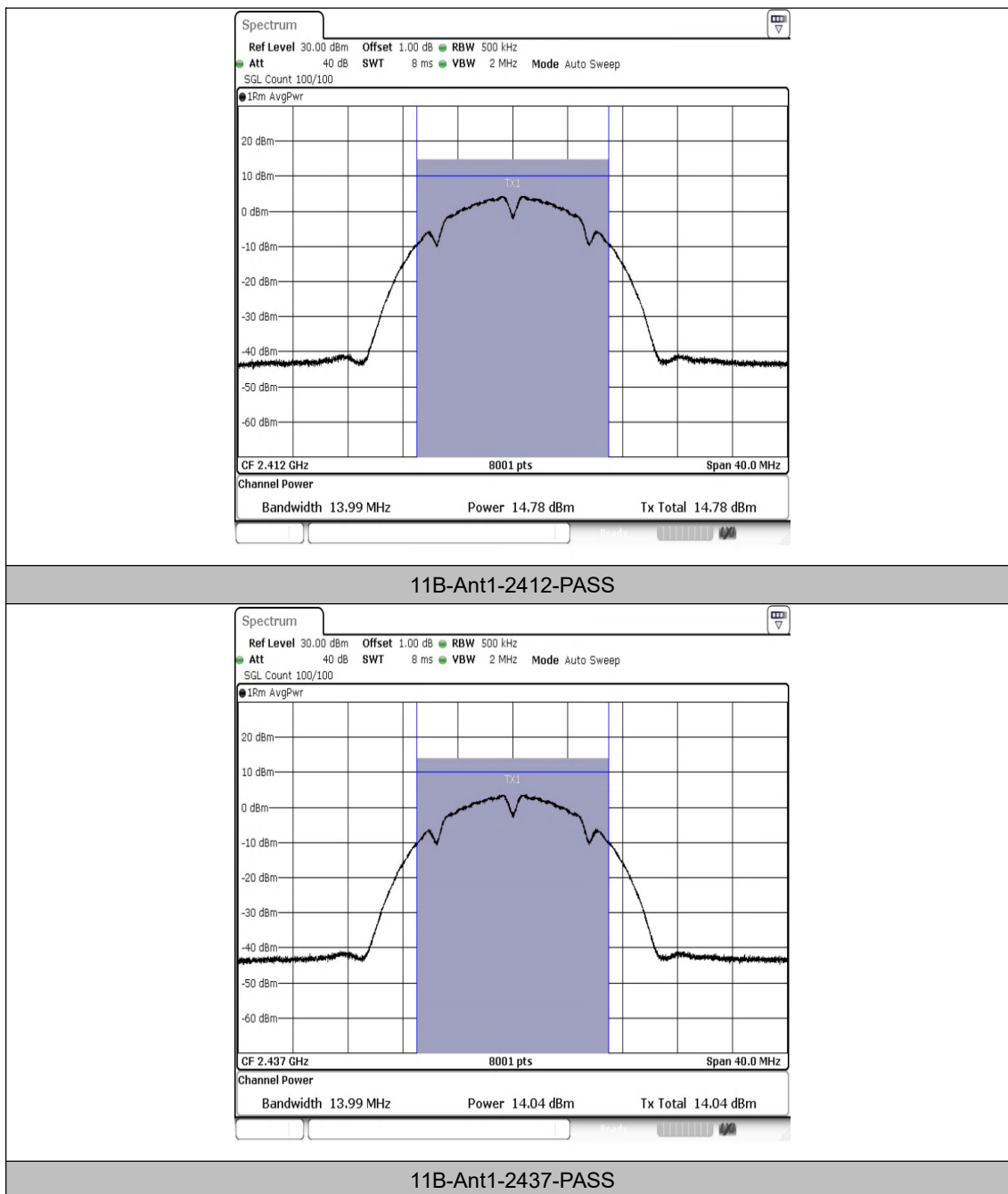
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	14.78	100.00	0.00	14.78	≤30.00	PASS
11B	Ant1	2437	NA	14.04	100.00	0.00	14.04	≤30.00	PASS
11B	Ant1	2462	NA	14.25	100.00	0.00	14.25	≤30.00	PASS
11G	Ant1	2412	NA	14.34	100.00	0.00	14.34	≤30.00	PASS
11G	Ant1	2437	NA	14.68	100.00	0.00	14.68	≤30.00	PASS
11G	Ant1	2462	NA	14.88	100.00	0.00	14.88	≤30.00	PASS
11N20SISO	Ant1	2412	NA	15.32	100.00	0.00	15.32	≤30.00	PASS
11N20SISO	Ant1	2437	NA	15.64	100.00	0.00	15.64	≤30.00	PASS
11N20SISO	Ant1	2462	NA	15.81	100.00	0.00	15.81	≤30.00	PASS

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



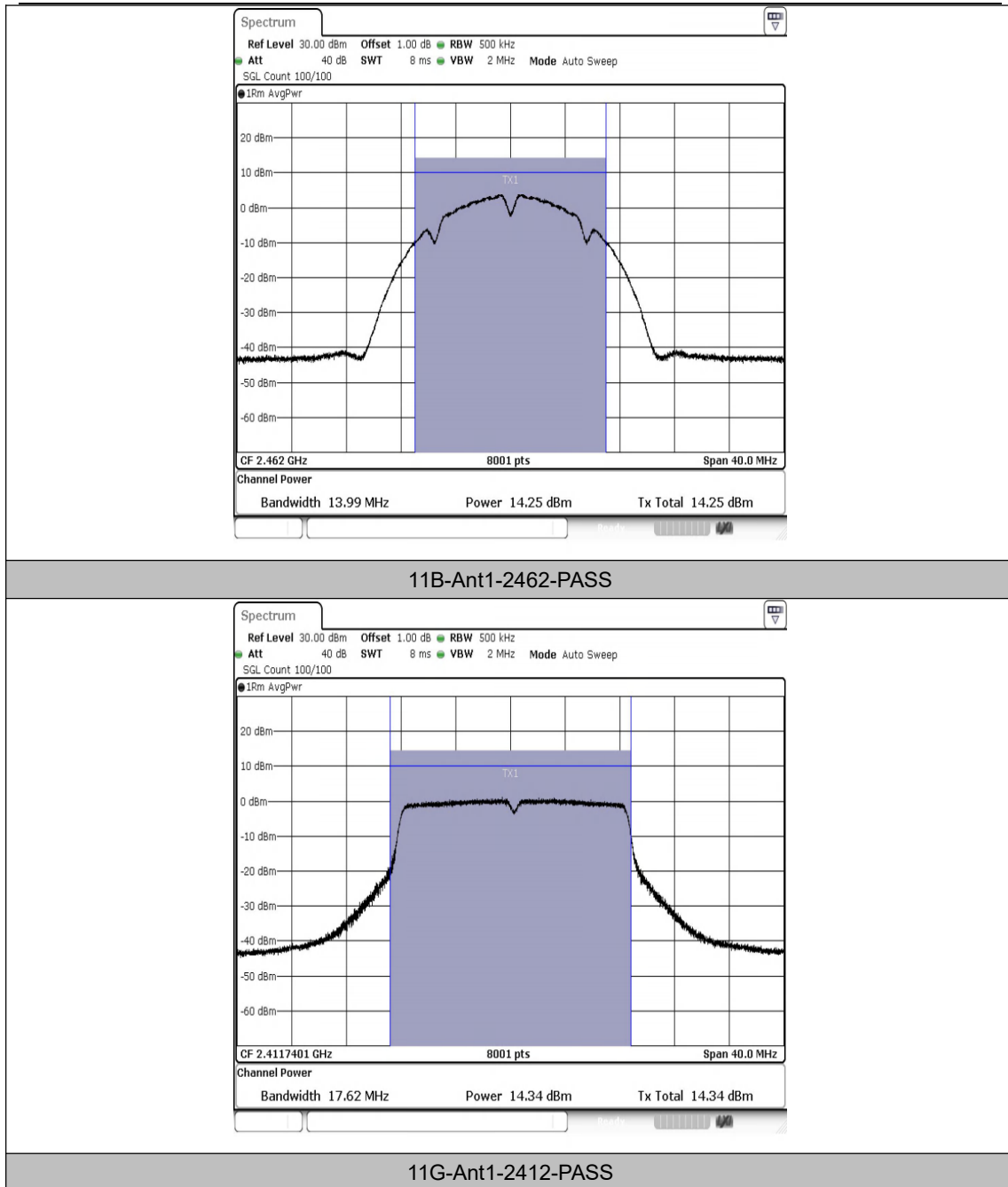
Test Graphs Average



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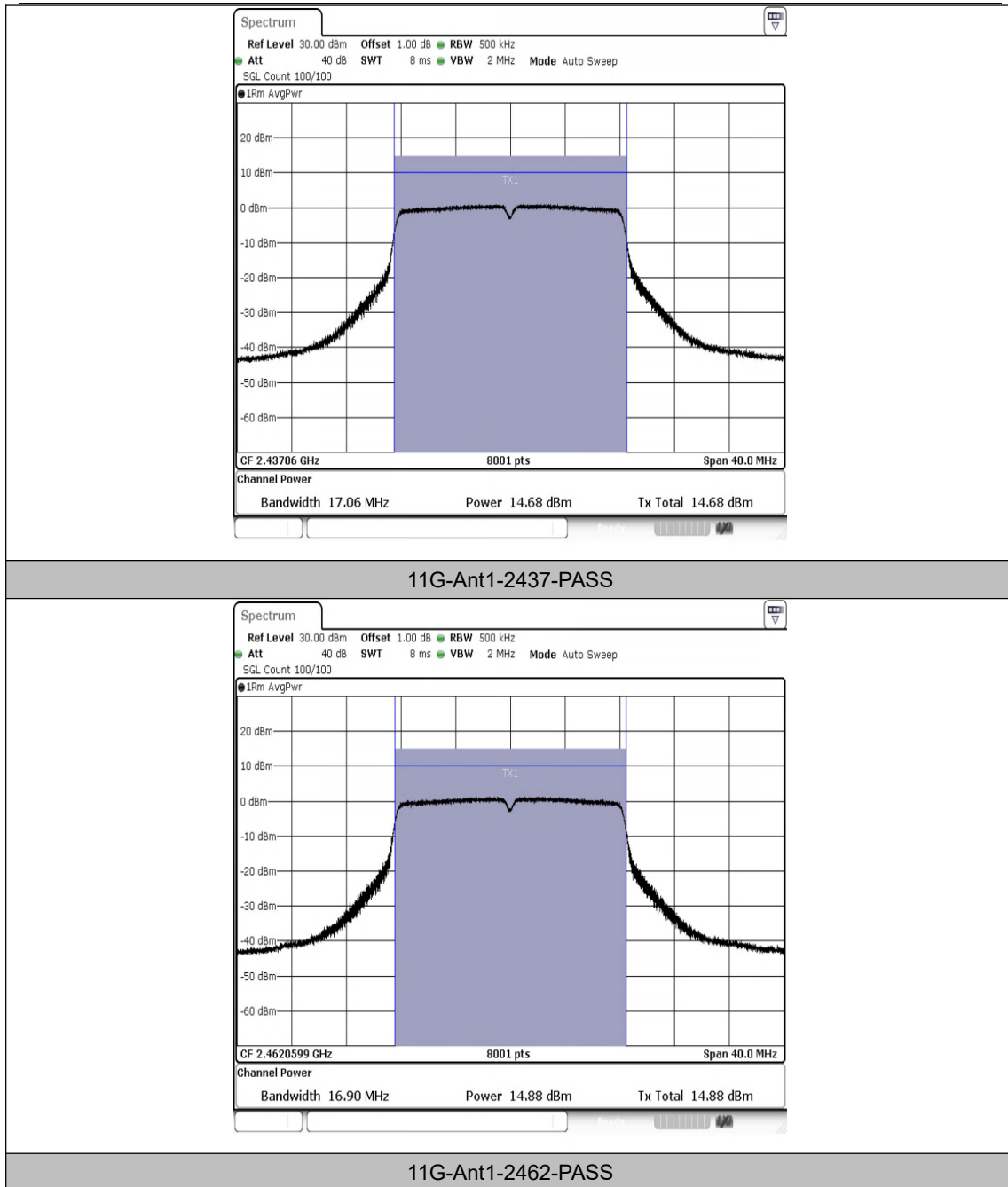
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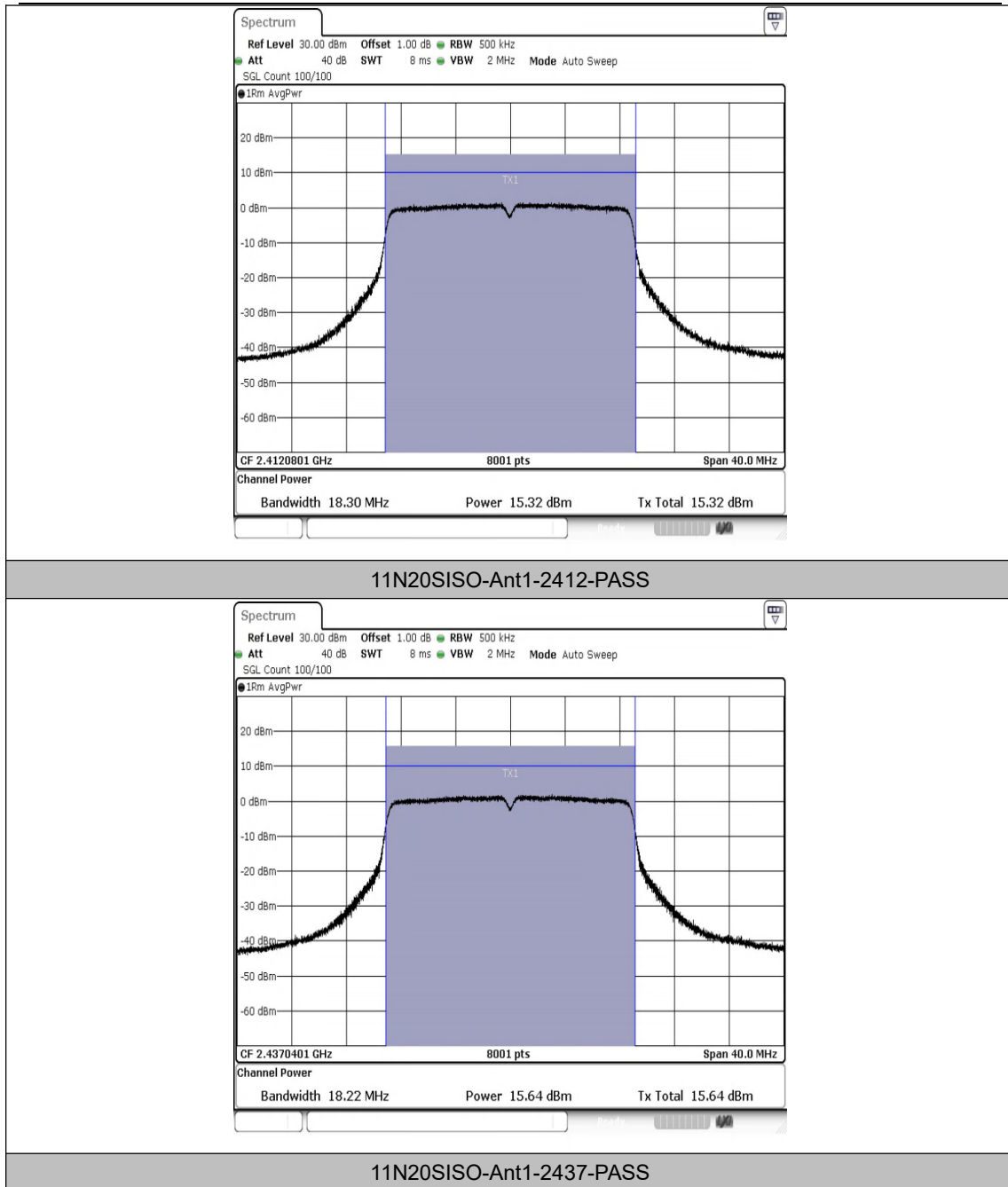


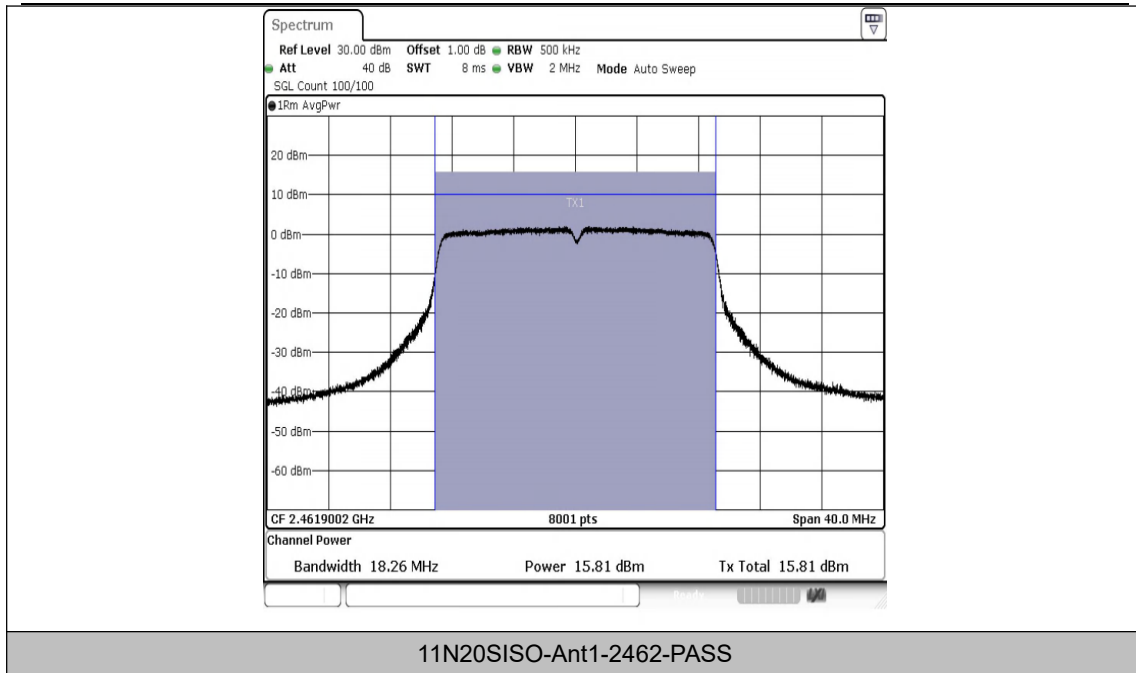
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Appendix D: Maximum power spectral density

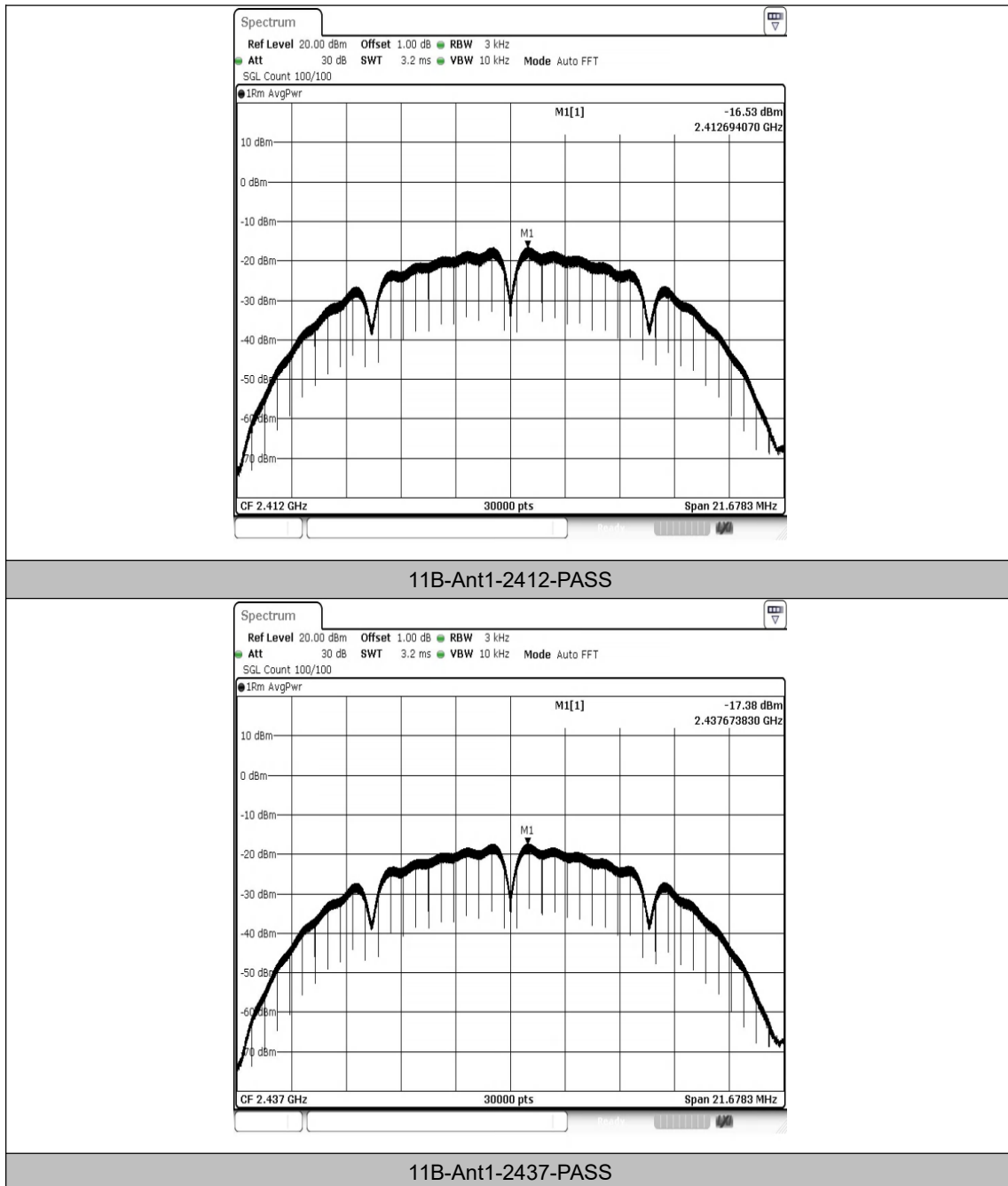
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-16.53	0.00	-16.53	≤8.00	PASS
11B	Ant1	2437	-17.38	0.00	-17.38	≤8.00	PASS
11B	Ant1	2462	-17.15	0.00	-17.15	≤8.00	PASS
11G	Ant1	2412	-17.88	0.00	-17.88	≤8.00	PASS
11G	Ant1	2437	-17.17	0.00	-17.17	≤8.00	PASS
11G	Ant1	2462	-16.94	0.00	-16.94	≤8.00	PASS
11N20SISO	Ant1	2412	-17.55	0.00	-17.55	≤8.00	PASS
11N20SISO	Ant1	2437	-16.86	0.00	-16.86	≤8.00	PASS
11N20SISO	Ant1	2462	-17.15	0.00	-17.15	≤8.00	PASS

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



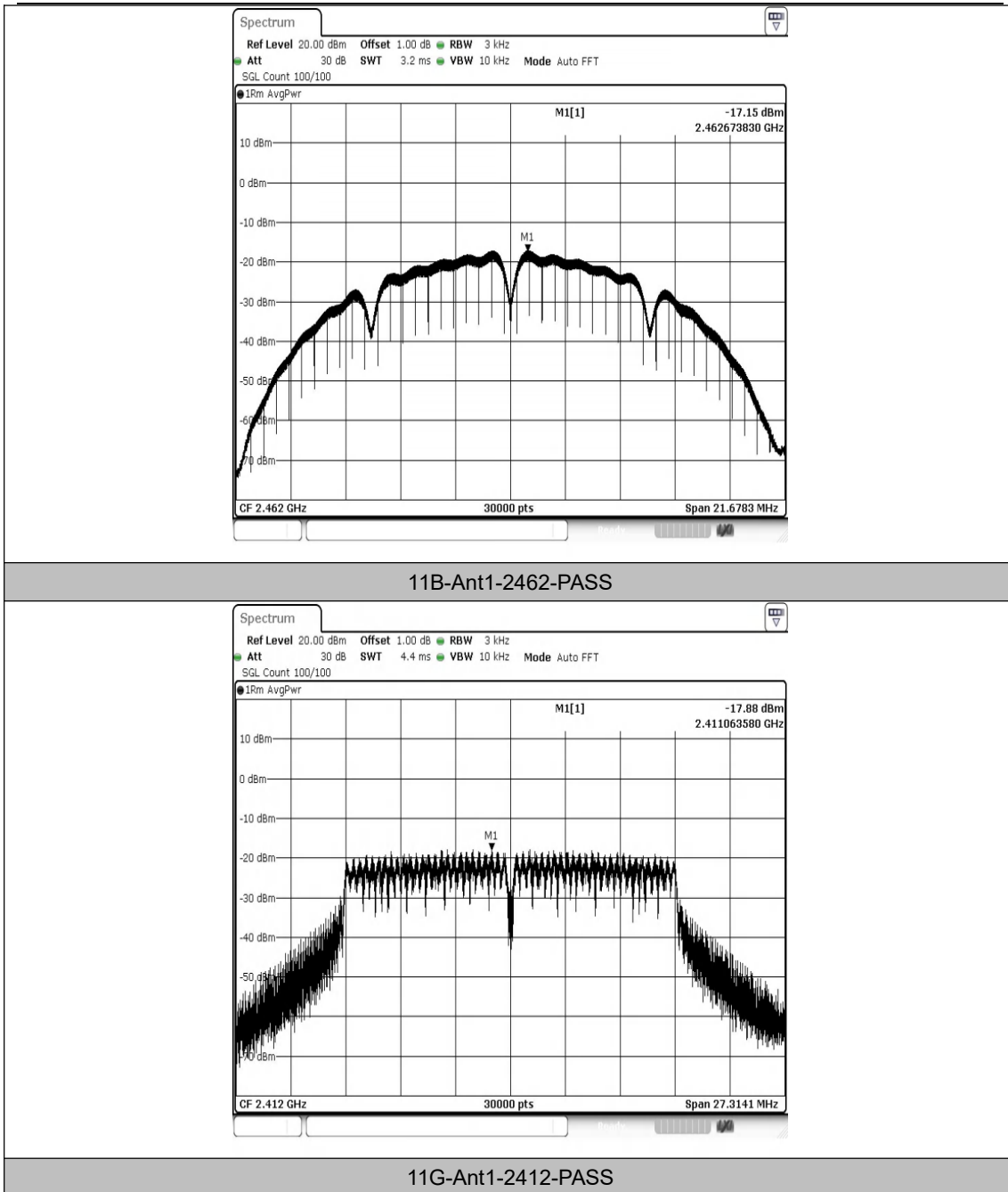
Test Graphs

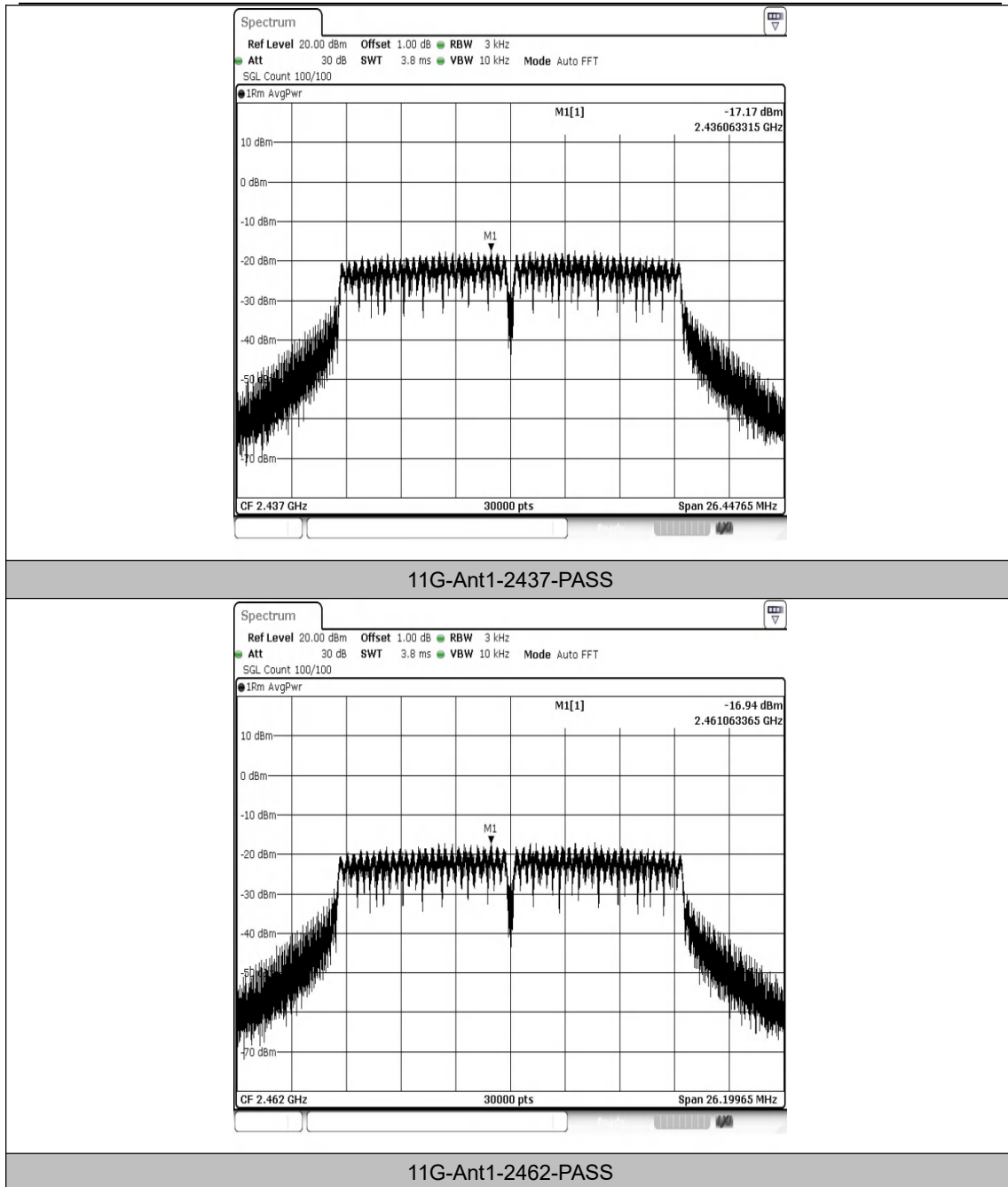


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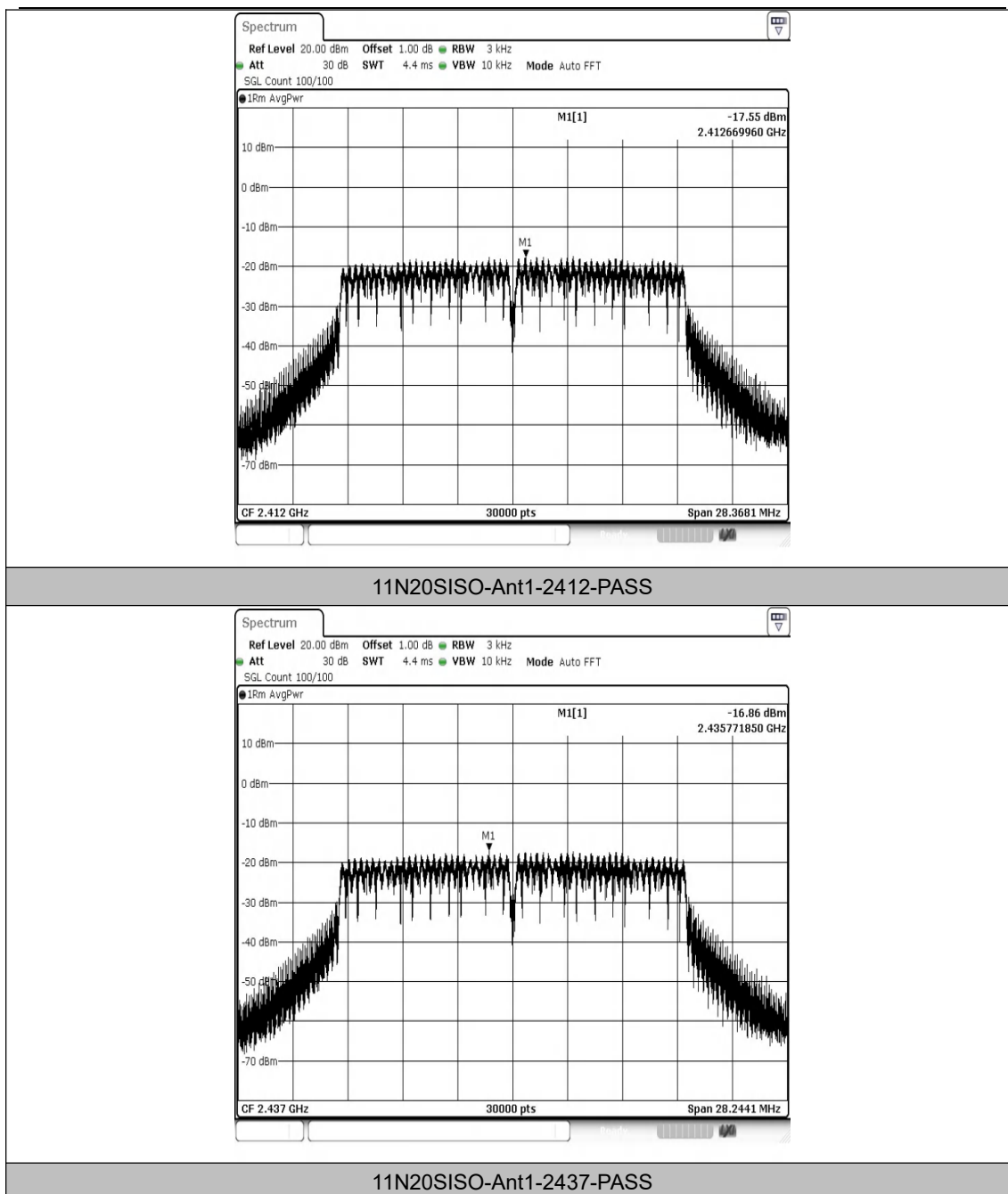


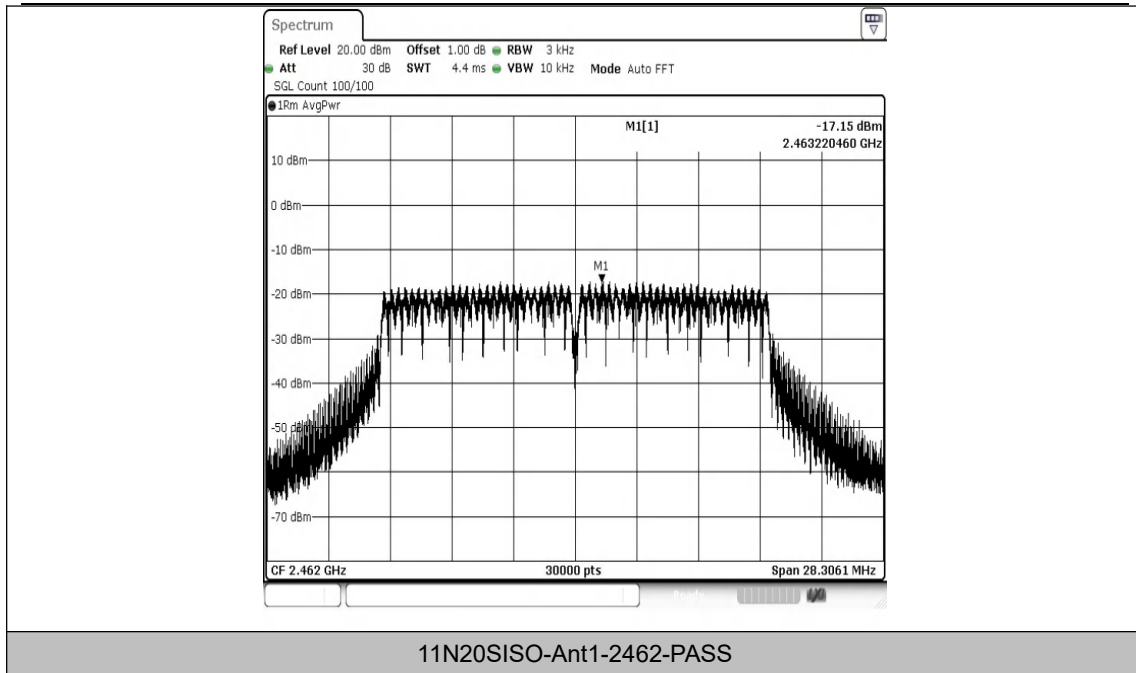


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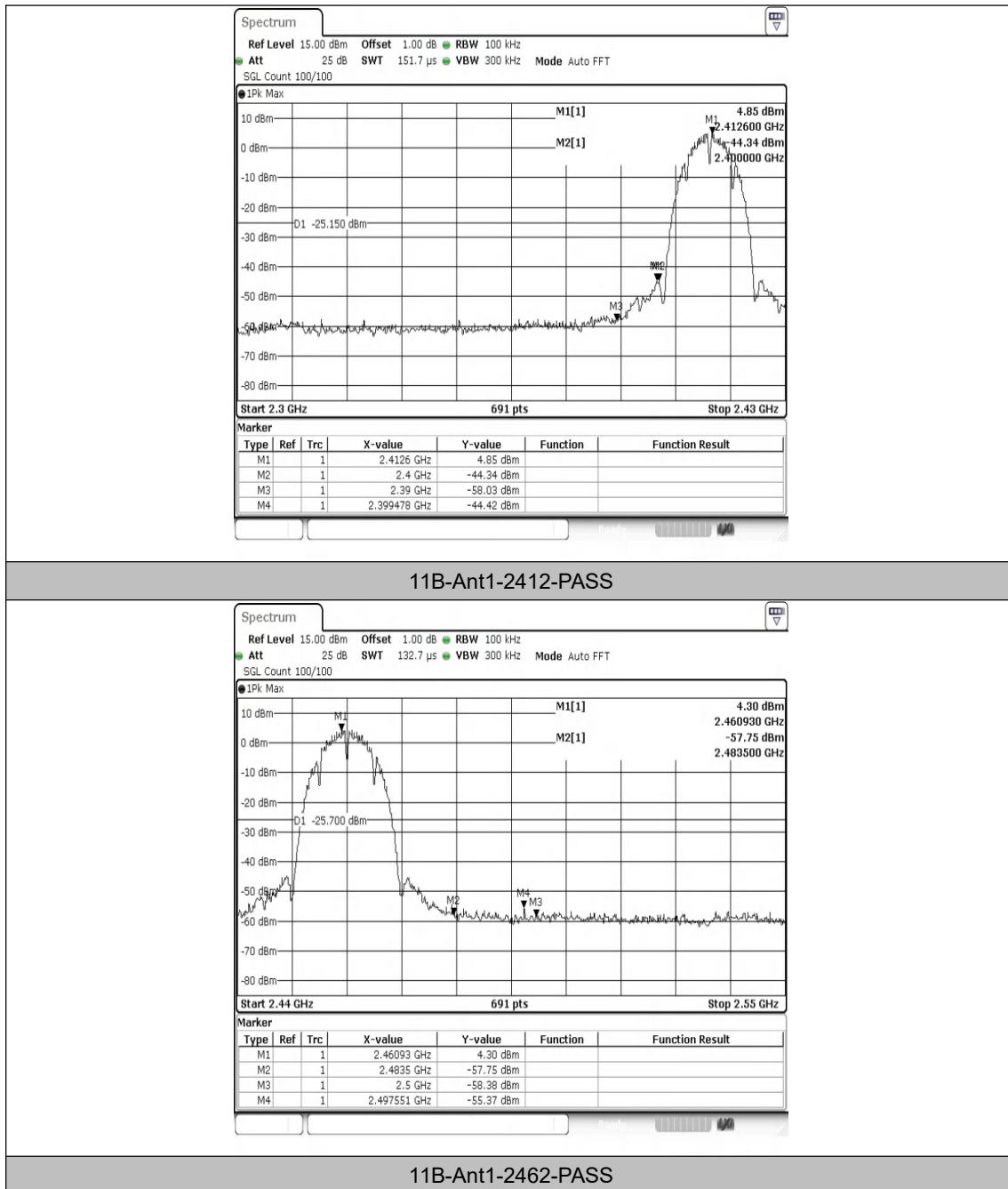
Appendix E: Conducted Band edge

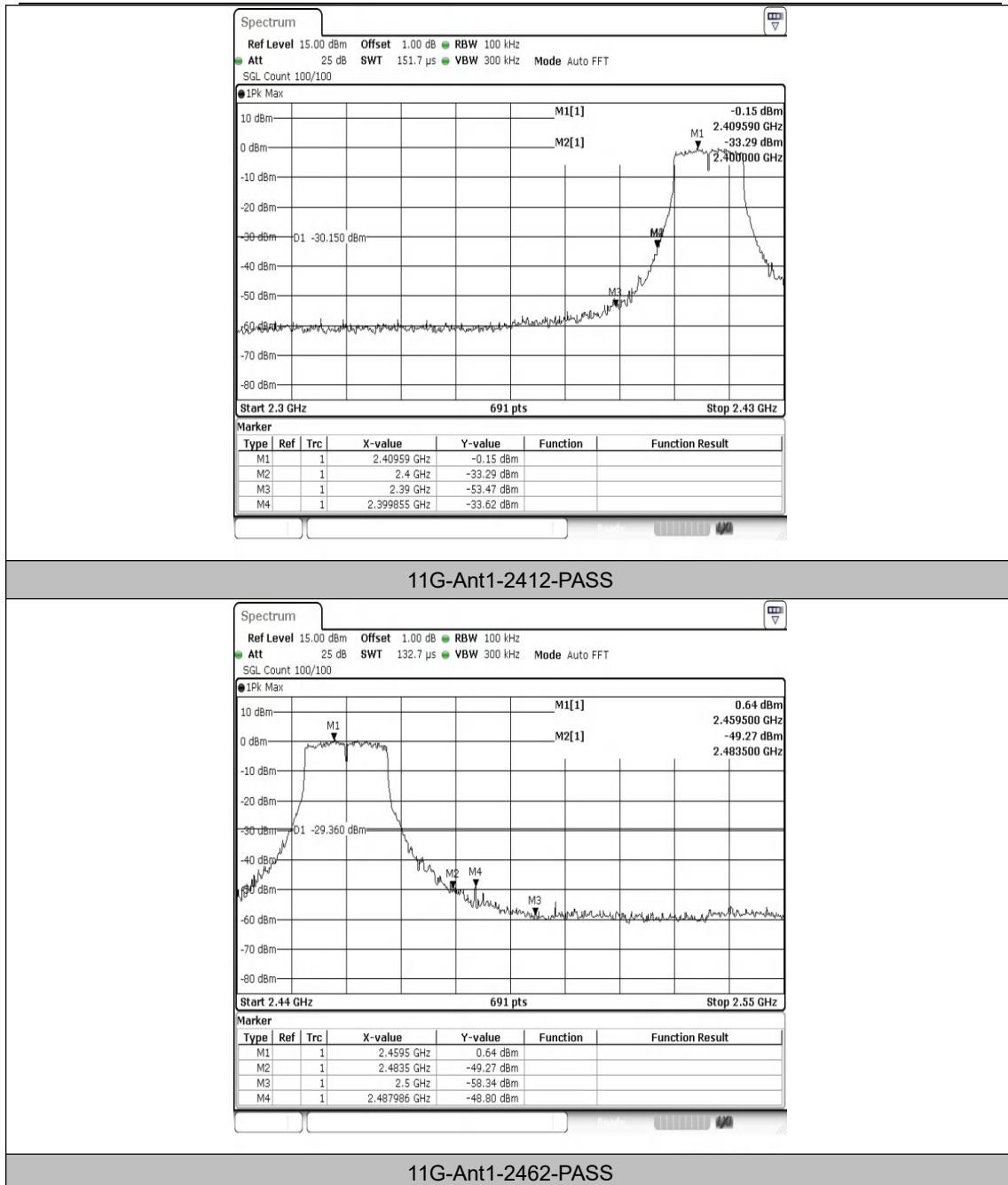
Test Result

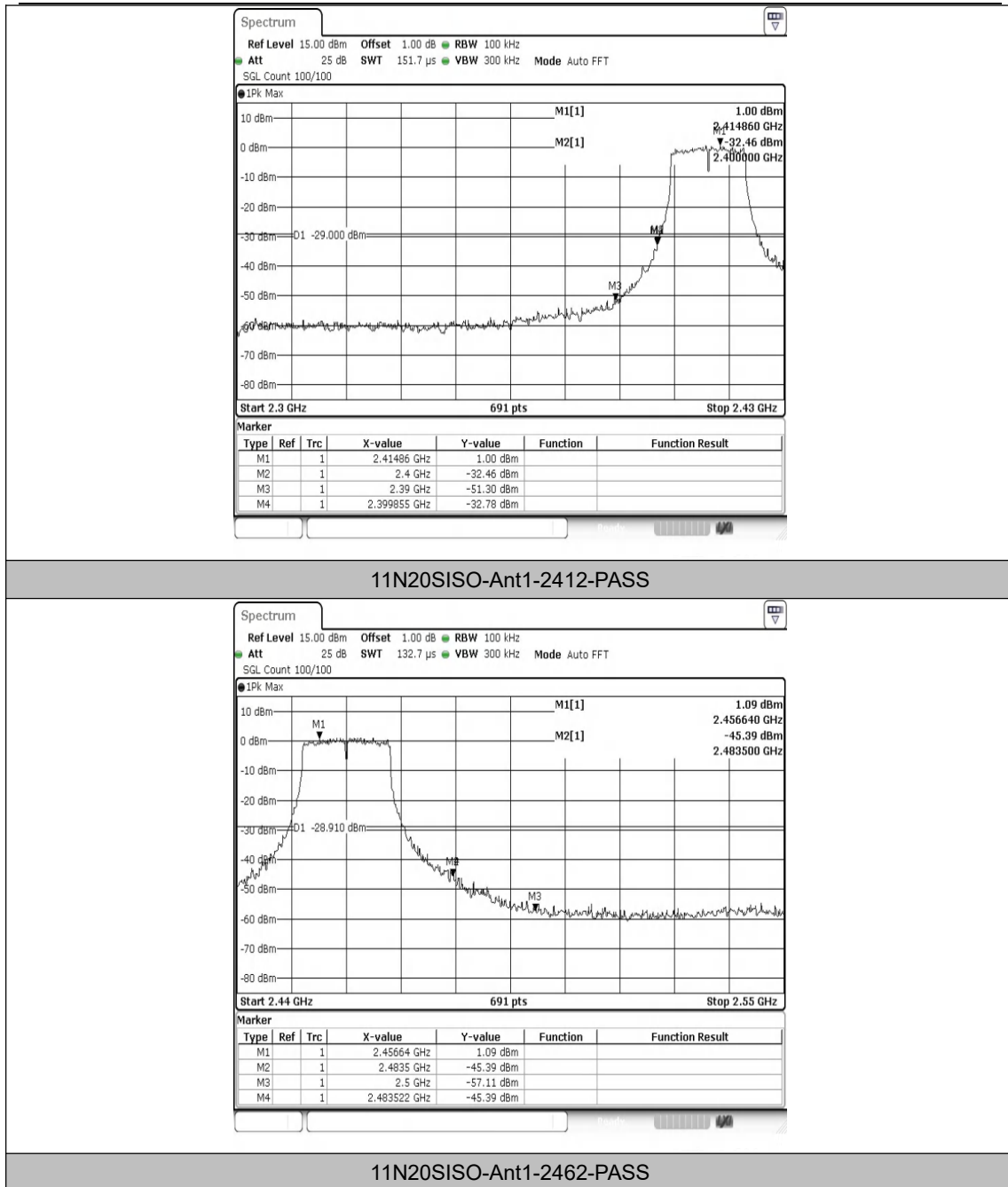
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.85	-44.42	≤-25.15	PASS
11B	Ant1	High	2462	4.30	-55.37	≤-25.7	PASS
11G	Ant1	Low	2412	-0.15	-33.62	≤-30.15	PASS
11G	Ant1	High	2462	0.64	-48.8	≤-29.36	PASS
11N20SISO	Ant1	Low	2412	1.00	-32.78	≤-29	PASS
11N20SISO	Ant1	High	2462	1.09	-45.39	≤-28.91	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

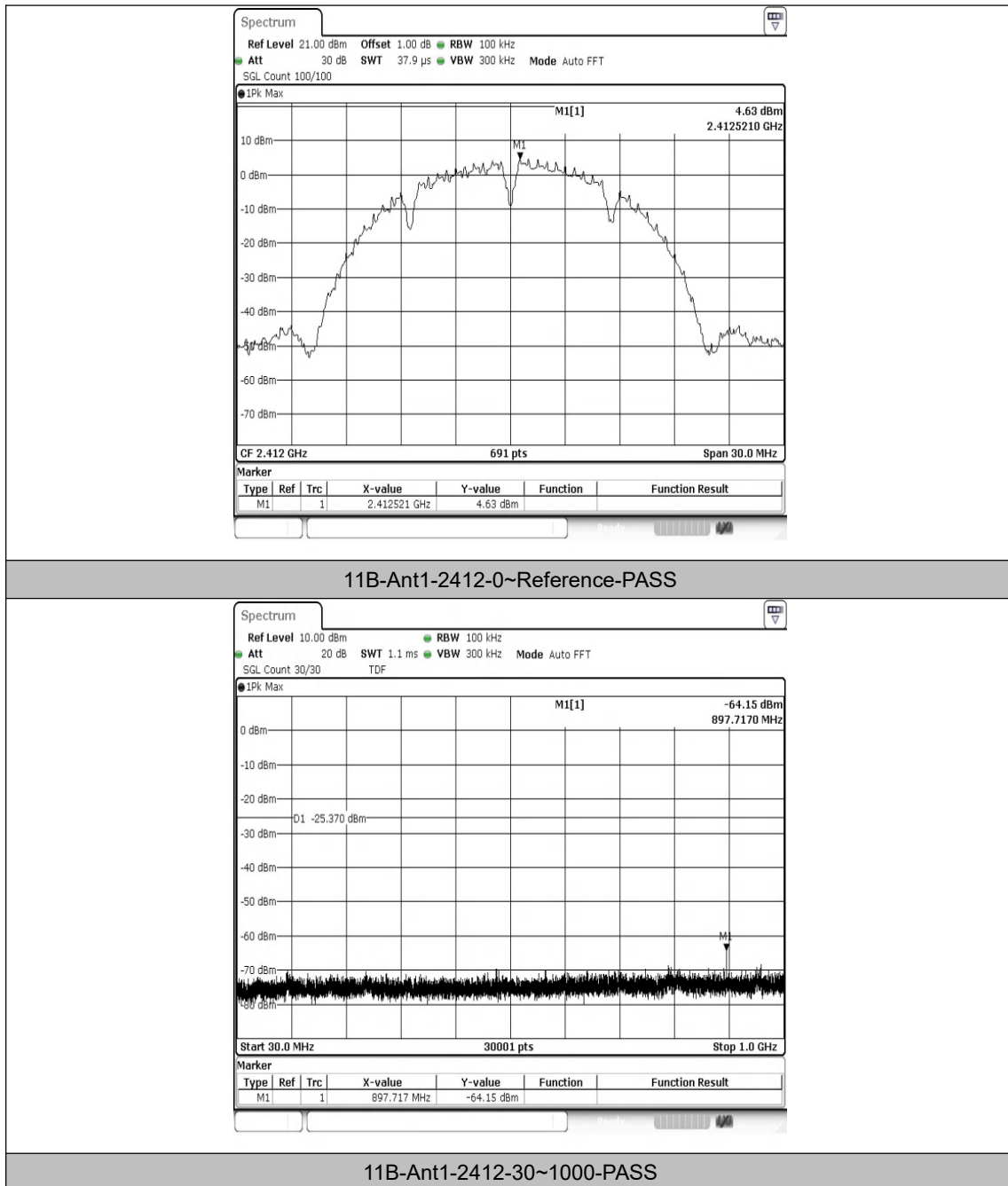
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.63	4.63	---	PASS
11B	Ant1	2412	30~1000	4.63	-64.15	≤-25.37	PASS
11B	Ant1	2412	1000~26500	4.63	-42.44	≤-25.37	PASS
11B	Ant1	2437	0~Reference	4.19	4.19	---	PASS
11B	Ant1	2437	30~1000	4.19	-68.37	≤-25.81	PASS
11B	Ant1	2437	1000~26500	4.19	-46.21	≤-25.81	PASS
11B	Ant1	2462	0~Reference	4.29	4.29	---	PASS
11B	Ant1	2462	30~1000	4.29	-68.36	≤-25.71	PASS
11B	Ant1	2462	1000~26500	4.29	-46.57	≤-25.71	PASS
11G	Ant1	2412	0~Reference	-0.08	-0.08	---	PASS
11G	Ant1	2412	30~1000	-0.08	-67.72	≤-30.08	PASS
11G	Ant1	2412	1000~26500	-0.08	-50.36	≤-30.08	PASS
11G	Ant1	2437	0~Reference	0.25	0.25	---	PASS
11G	Ant1	2437	30~1000	0.25	-67.28	≤-29.75	PASS
11G	Ant1	2437	1000~26500	0.25	-53.03	≤-29.75	PASS
11G	Ant1	2462	0~Reference	0.55	0.55	---	PASS
11G	Ant1	2462	30~1000	0.55	-66.96	≤-29.45	PASS
11G	Ant1	2462	1000~26500	0.55	-51.9	≤-29.45	PASS
11N20SISO	Ant1	2412	0~Reference	1.01	1.01	---	PASS
11N20SISO	Ant1	2412	30~1000	1.01	-68.36	≤-28.99	PASS
11N20SISO	Ant1	2412	1000~26500	1.01	-50.23	≤-28.99	PASS
11N20SISO	Ant1	2437	0~Reference	1.42	1.42	---	PASS
11N20SISO	Ant1	2437	30~1000	1.42	-66.66	≤-28.58	PASS
11N20SISO	Ant1	2437	1000~26500	1.42	-52.83	≤-28.58	PASS
11N20SISO	Ant1	2462	0~Reference	1.34	1.34	---	PASS
11N20SISO	Ant1	2462	30~1000	1.34	-68.57	≤-28.66	PASS
11N20SISO	Ant1	2462	1000~26500	1.34	-53.38	≤-28.66	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.



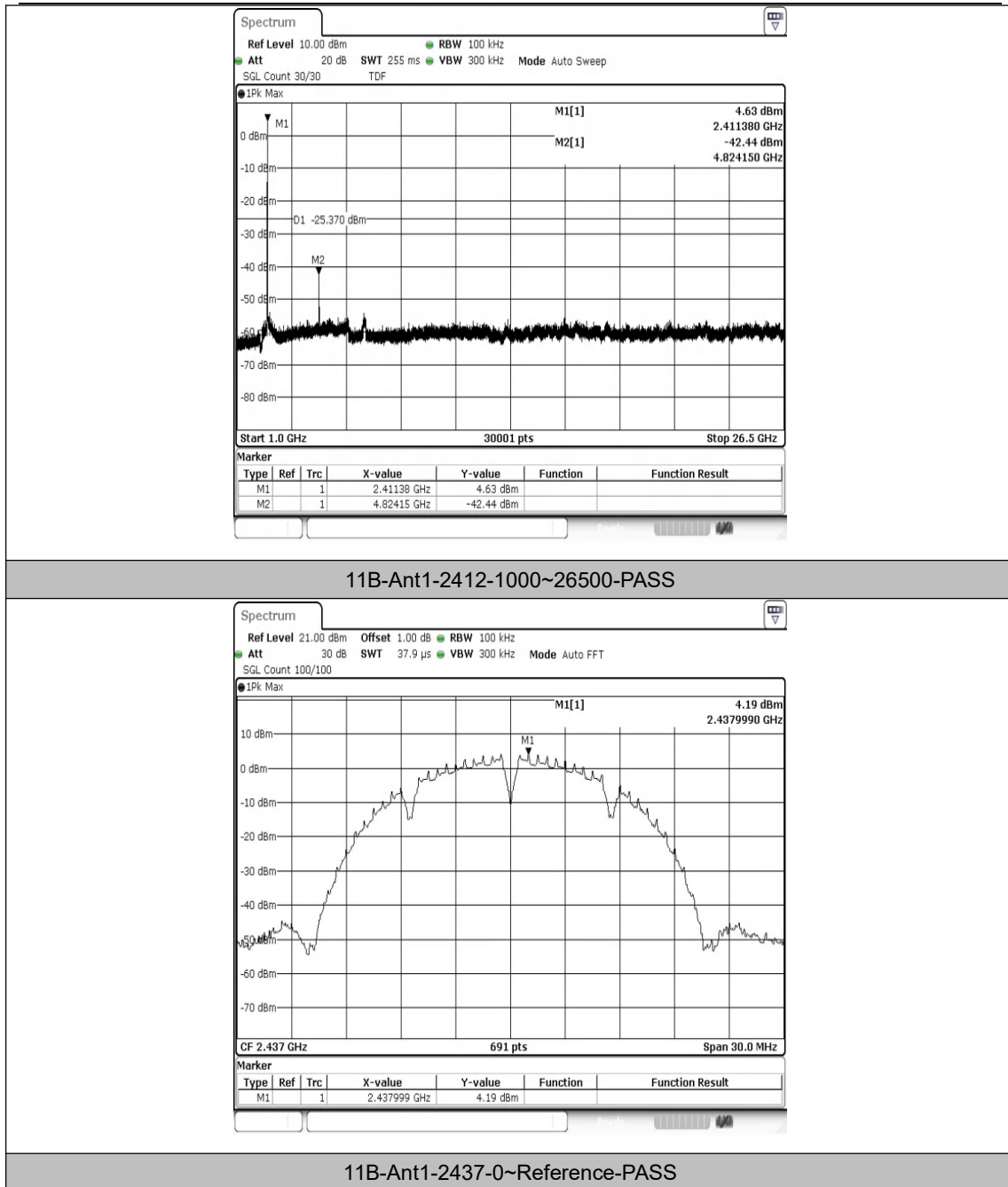
Test Graphs

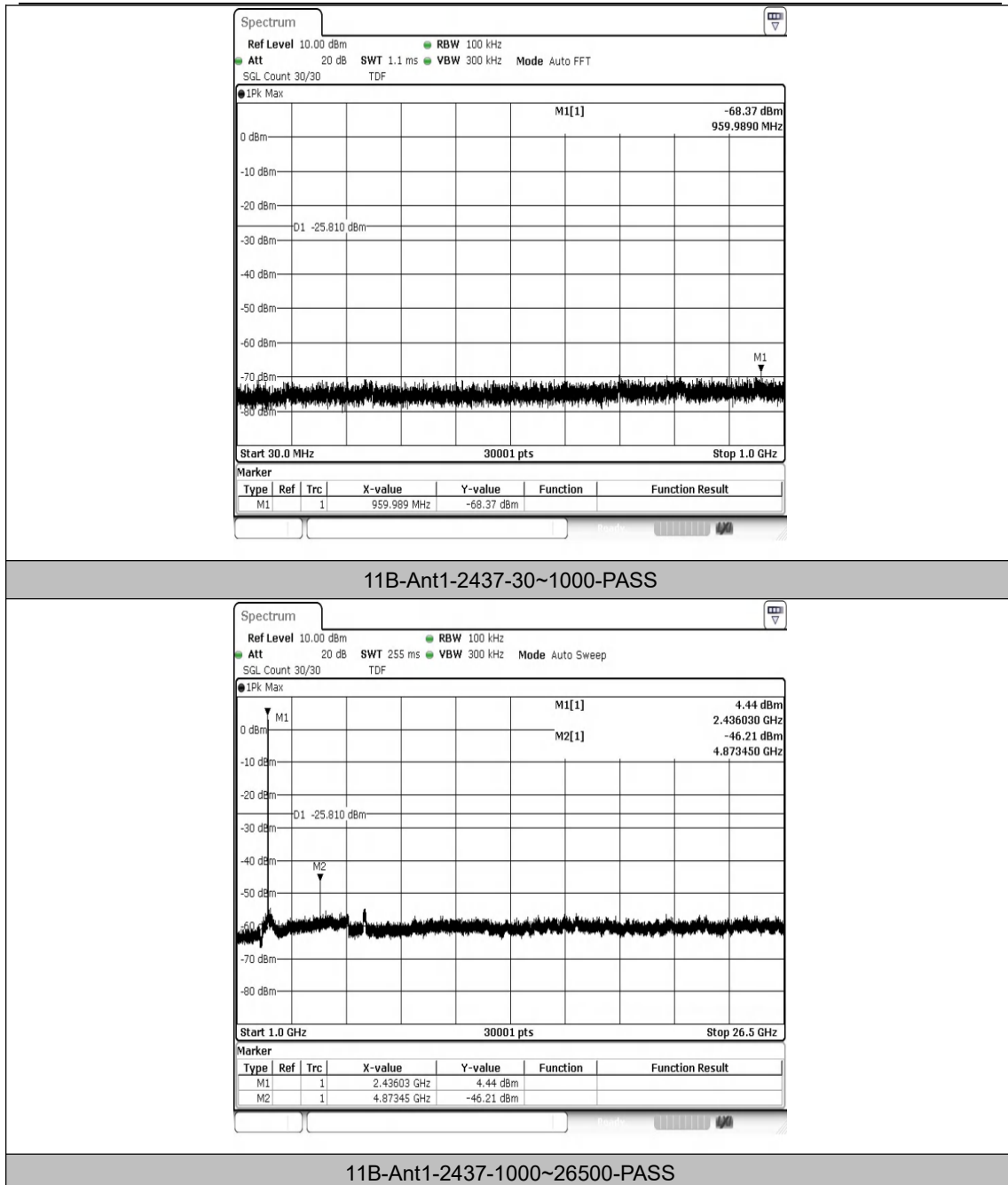


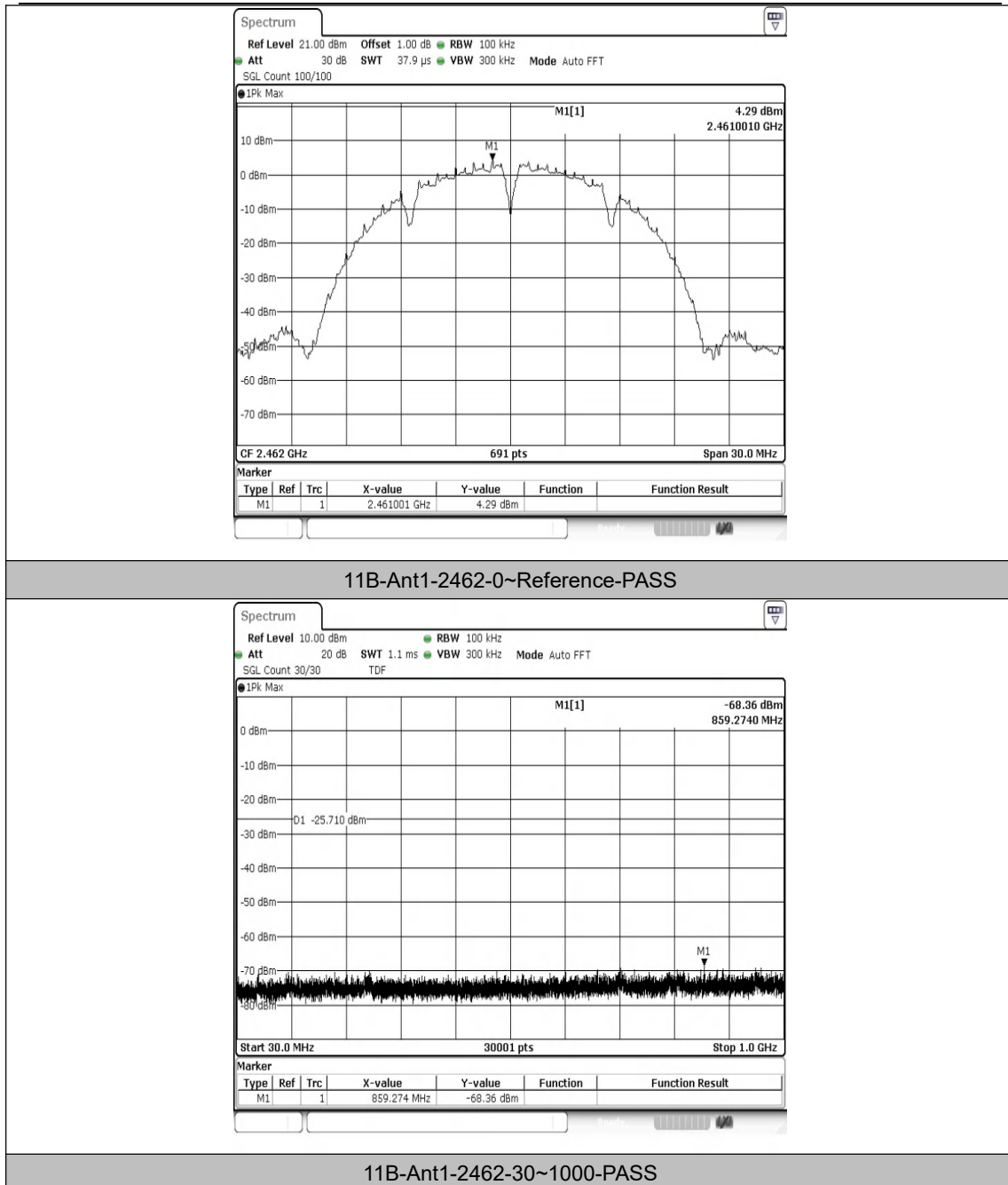
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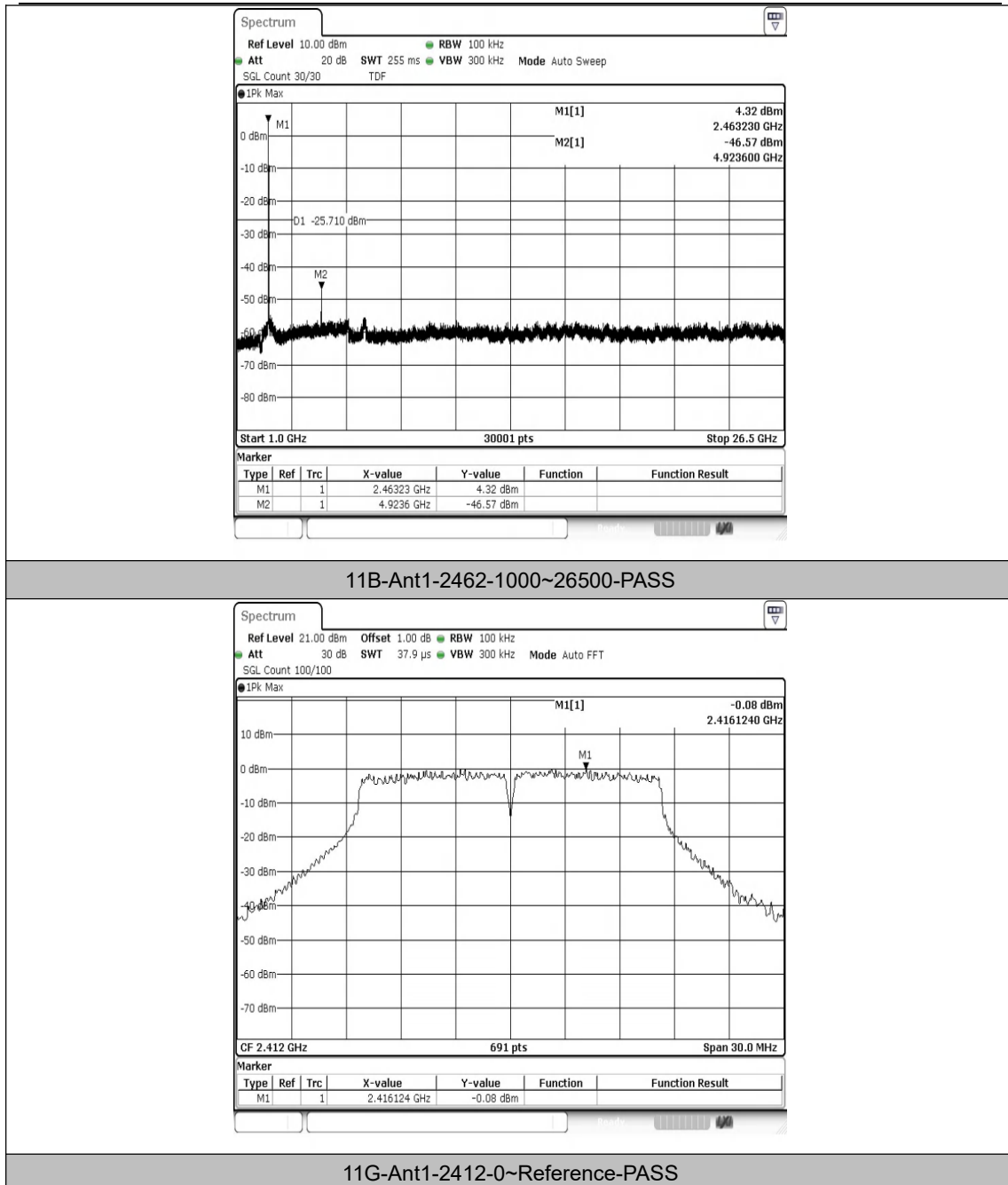




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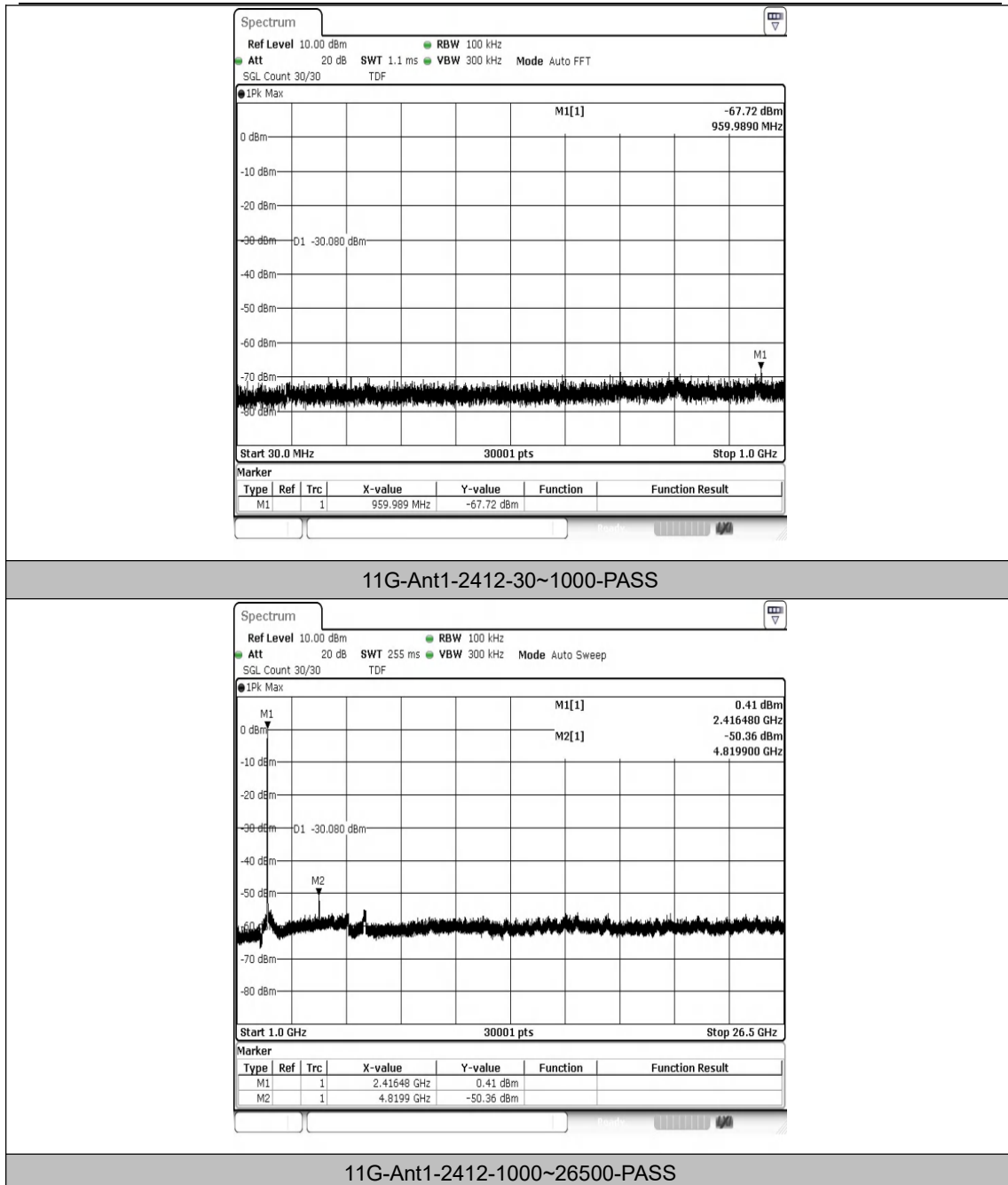
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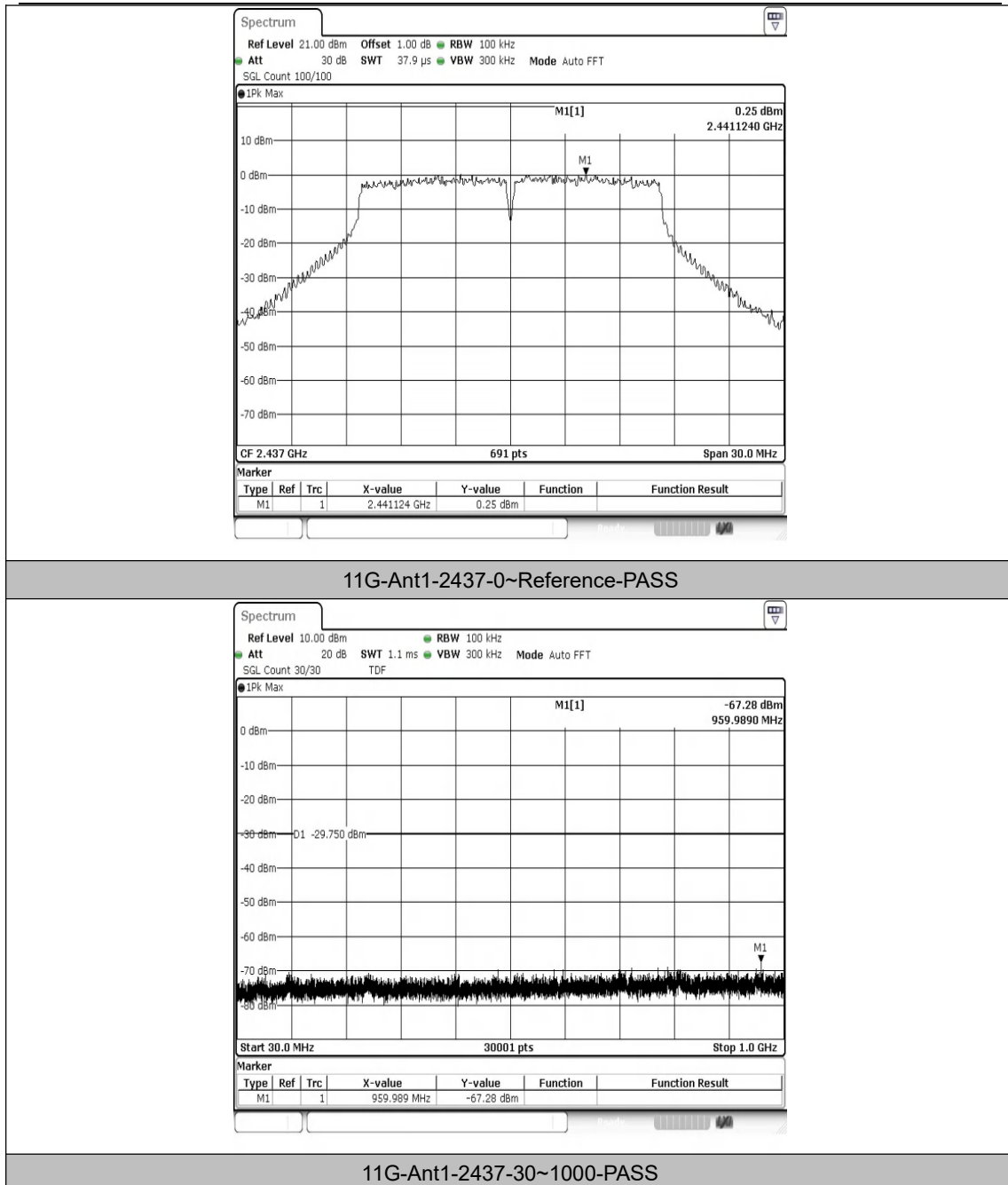


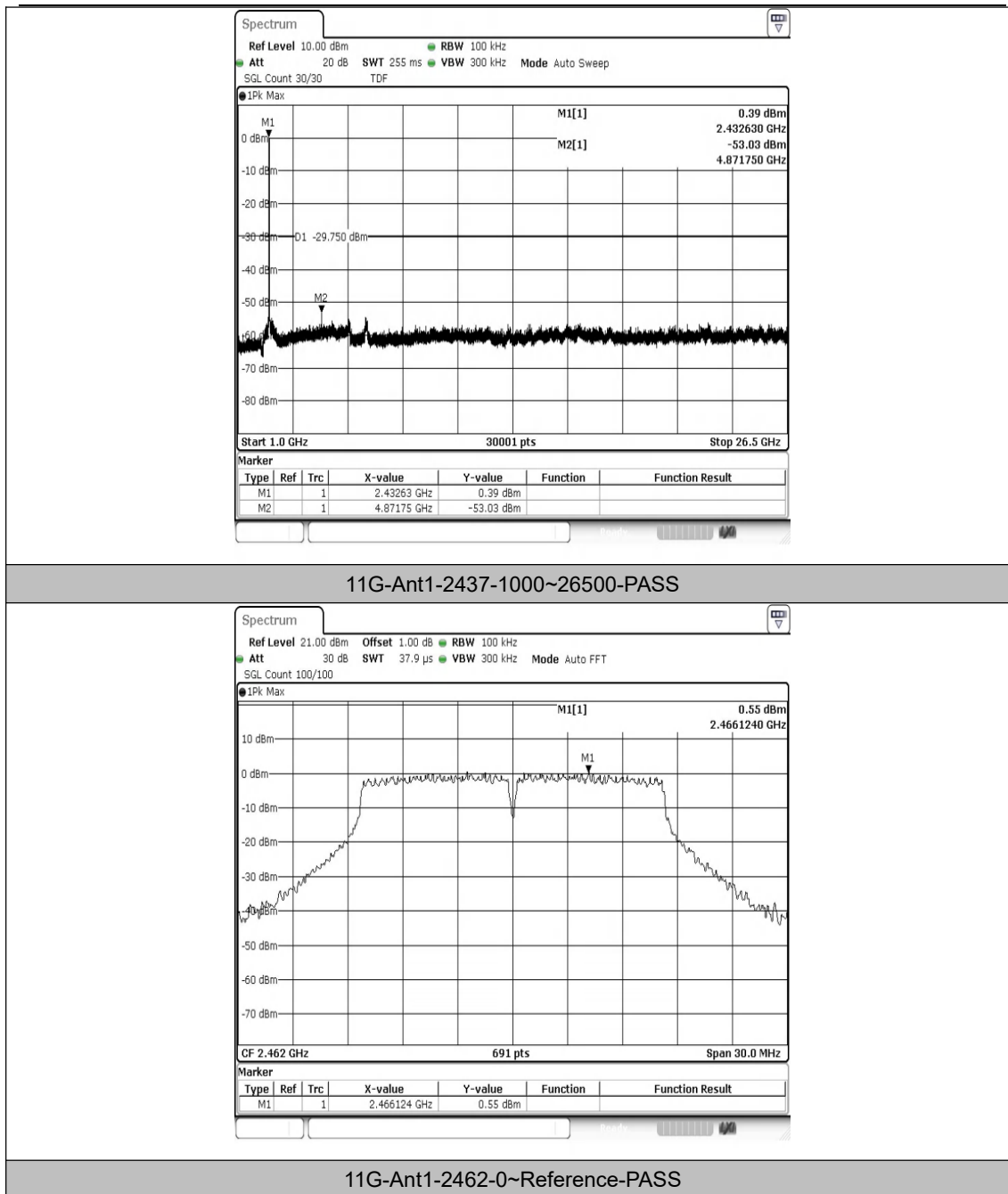
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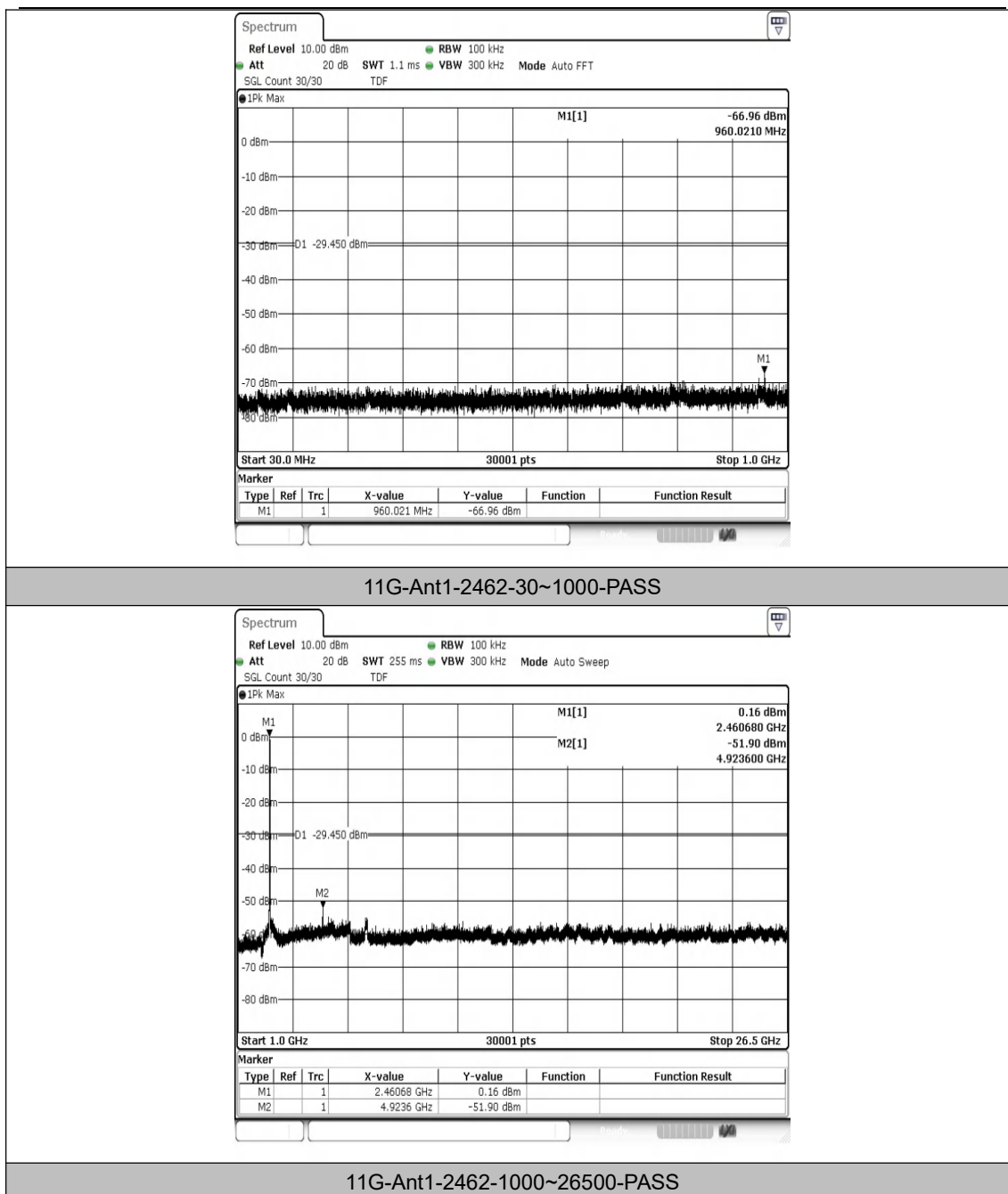


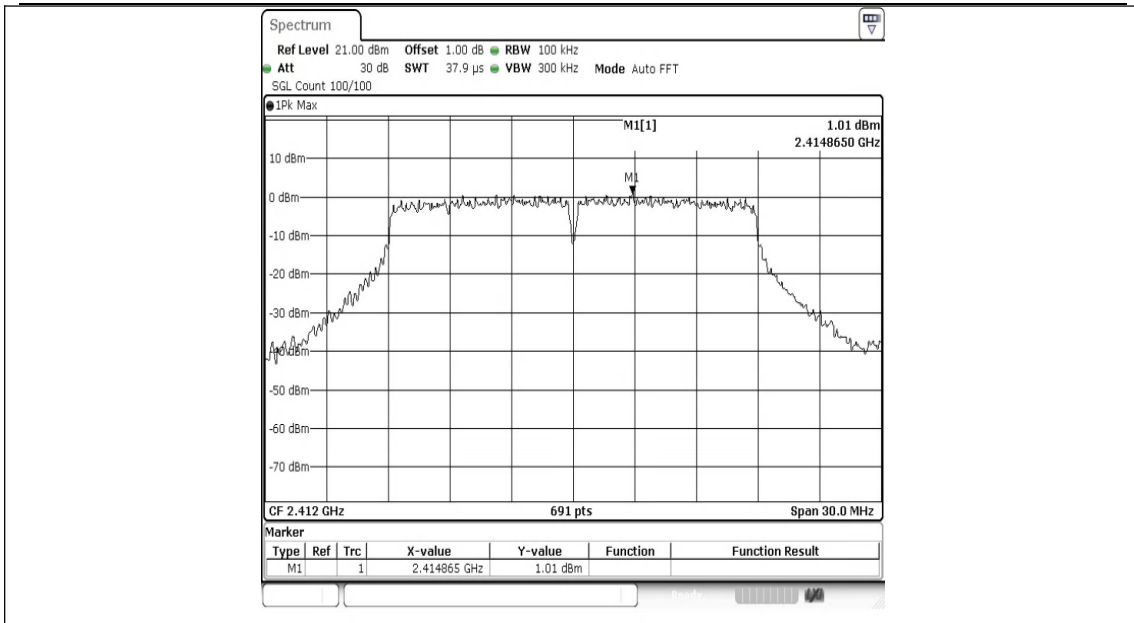


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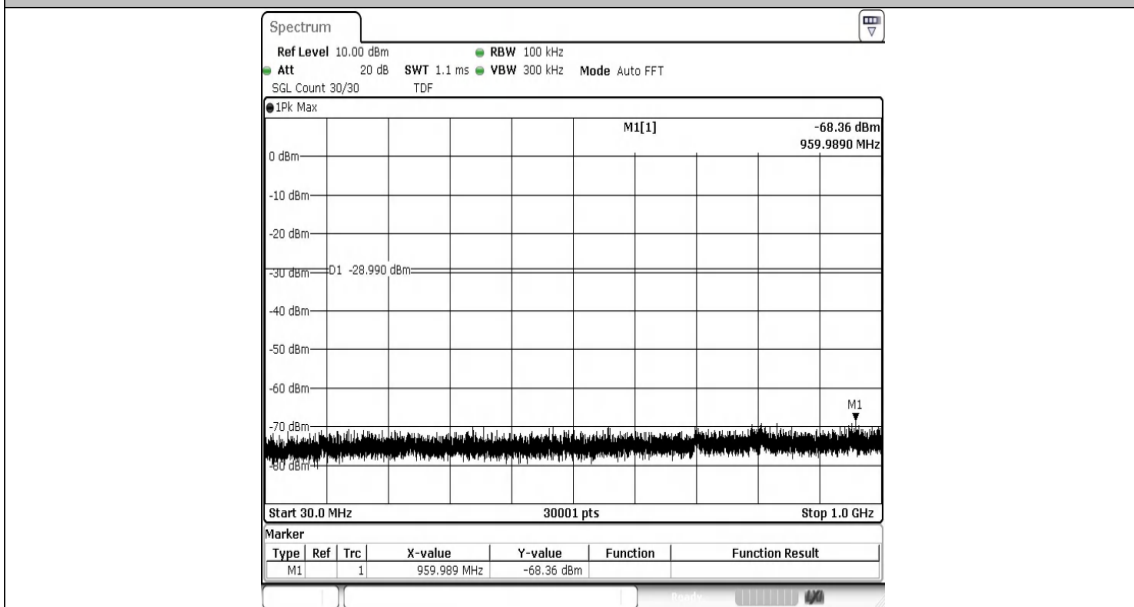
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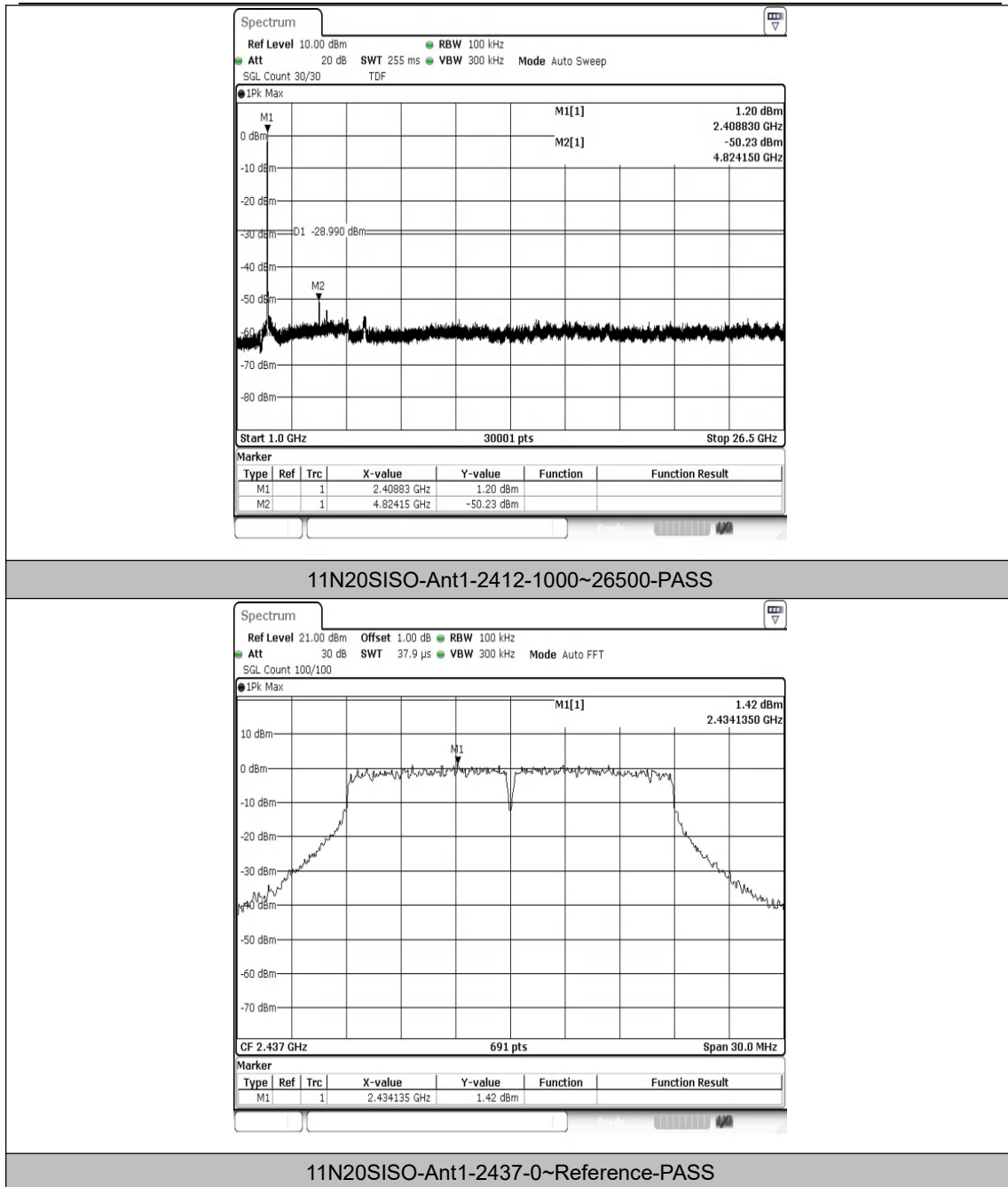




11N20SISO-Ant1-2412-0~Reference-PASS



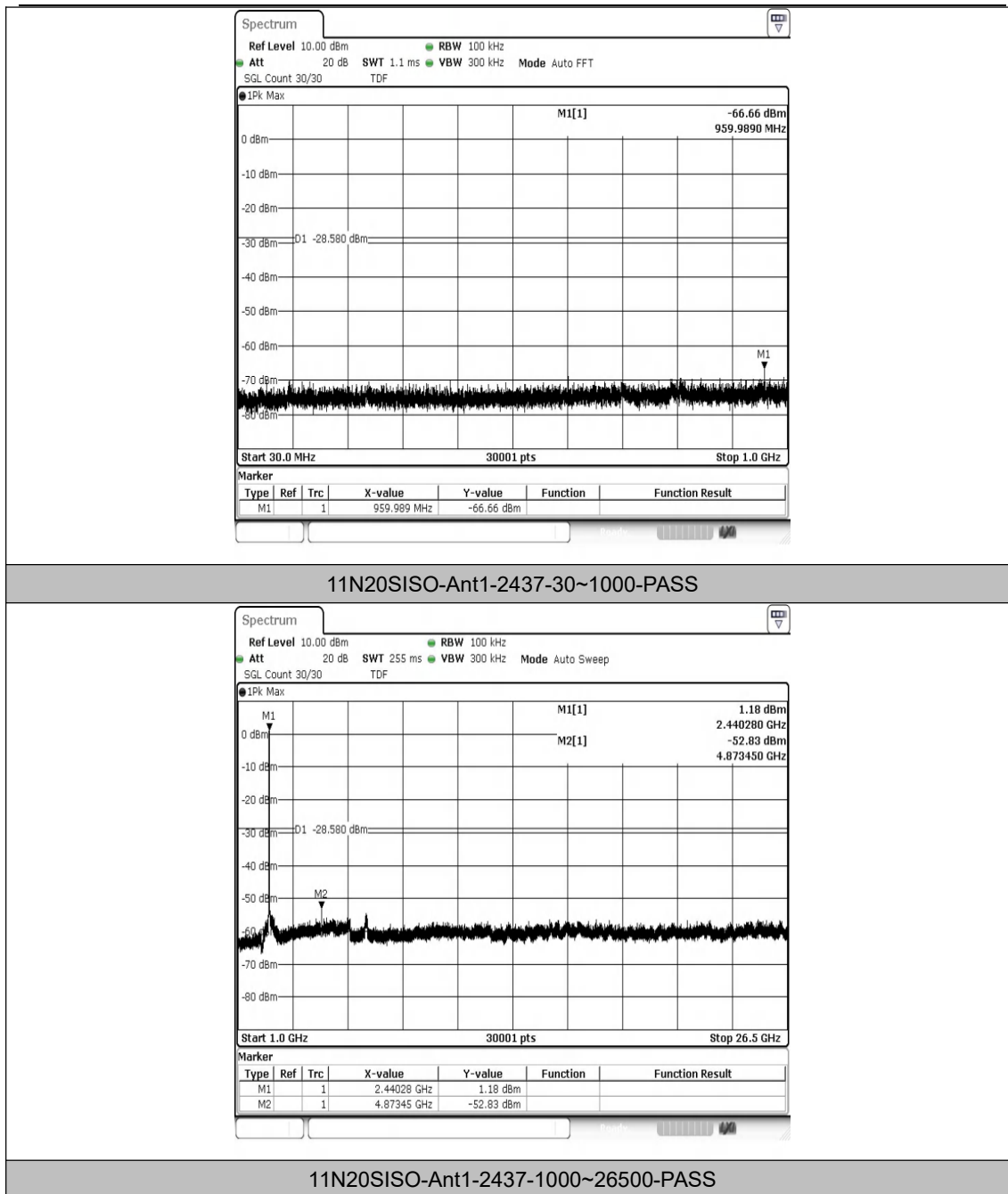
11N20SISO-Ant1-2412-30~1000-PASS



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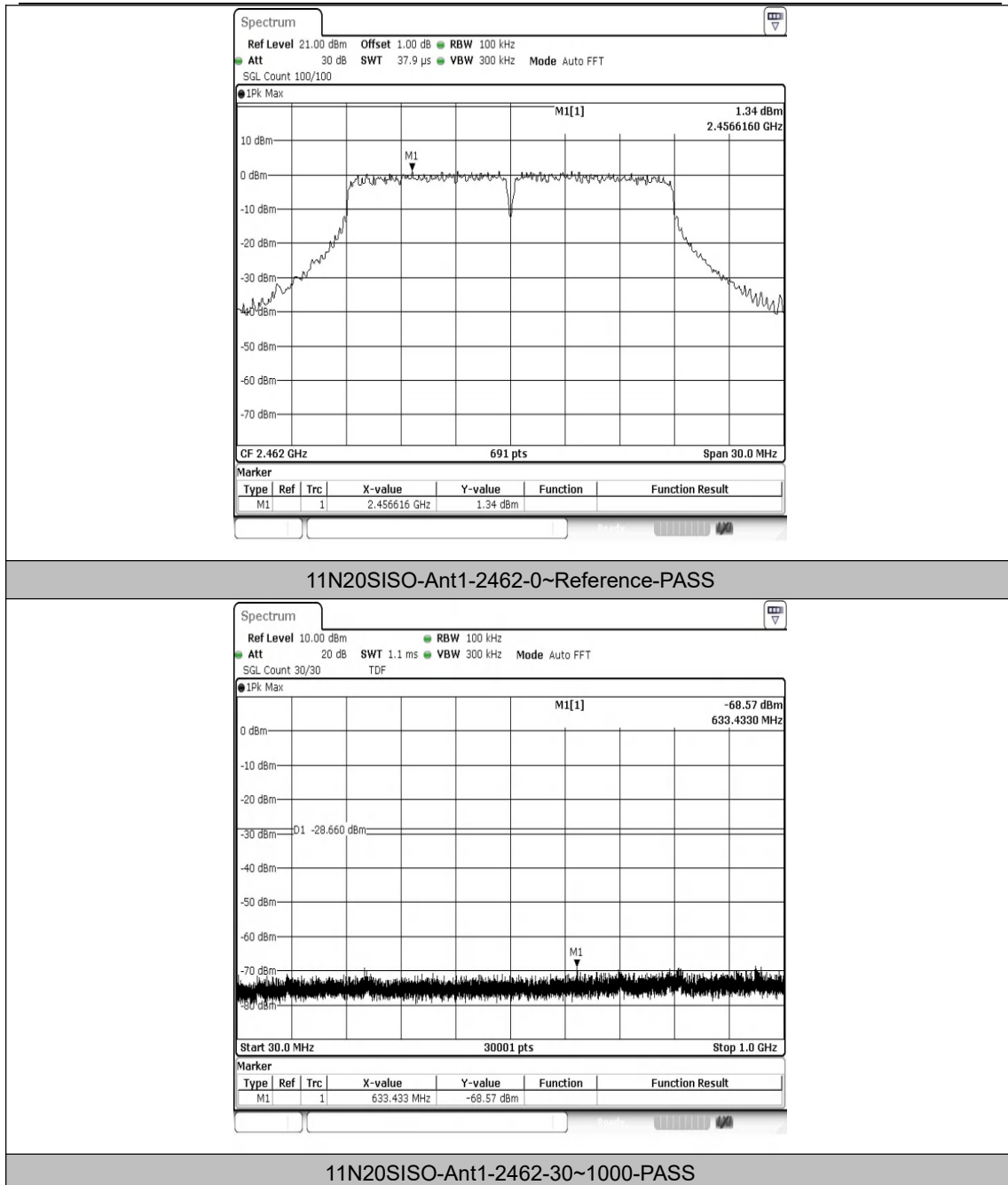
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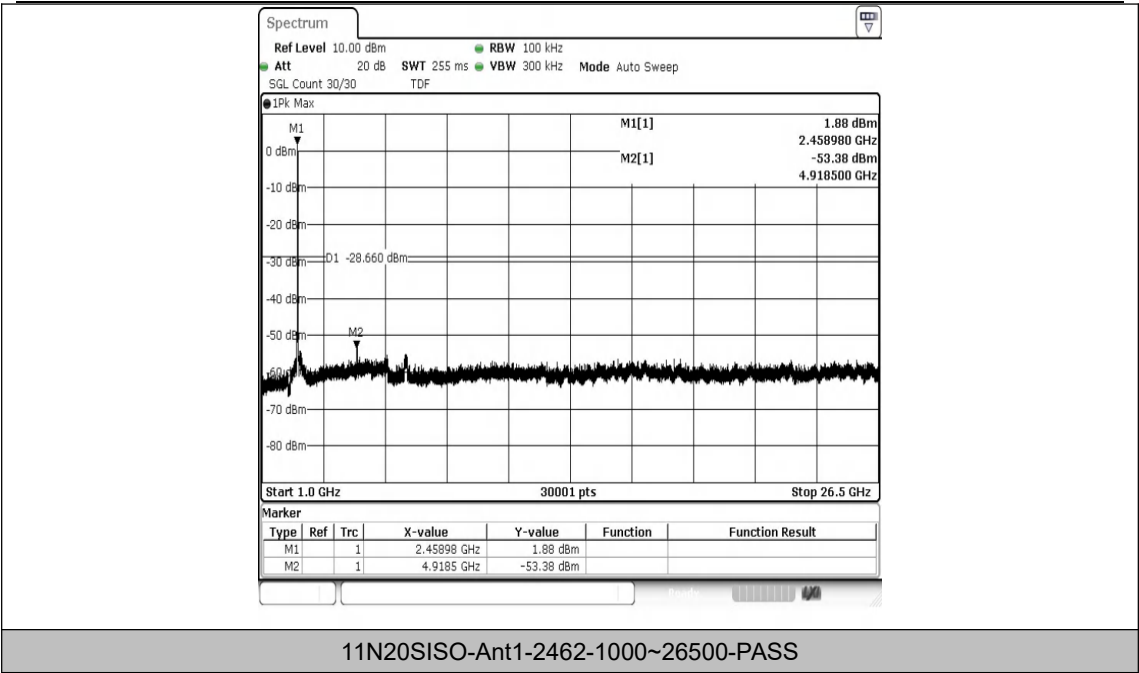
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Appendix G: Duty Cycle

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

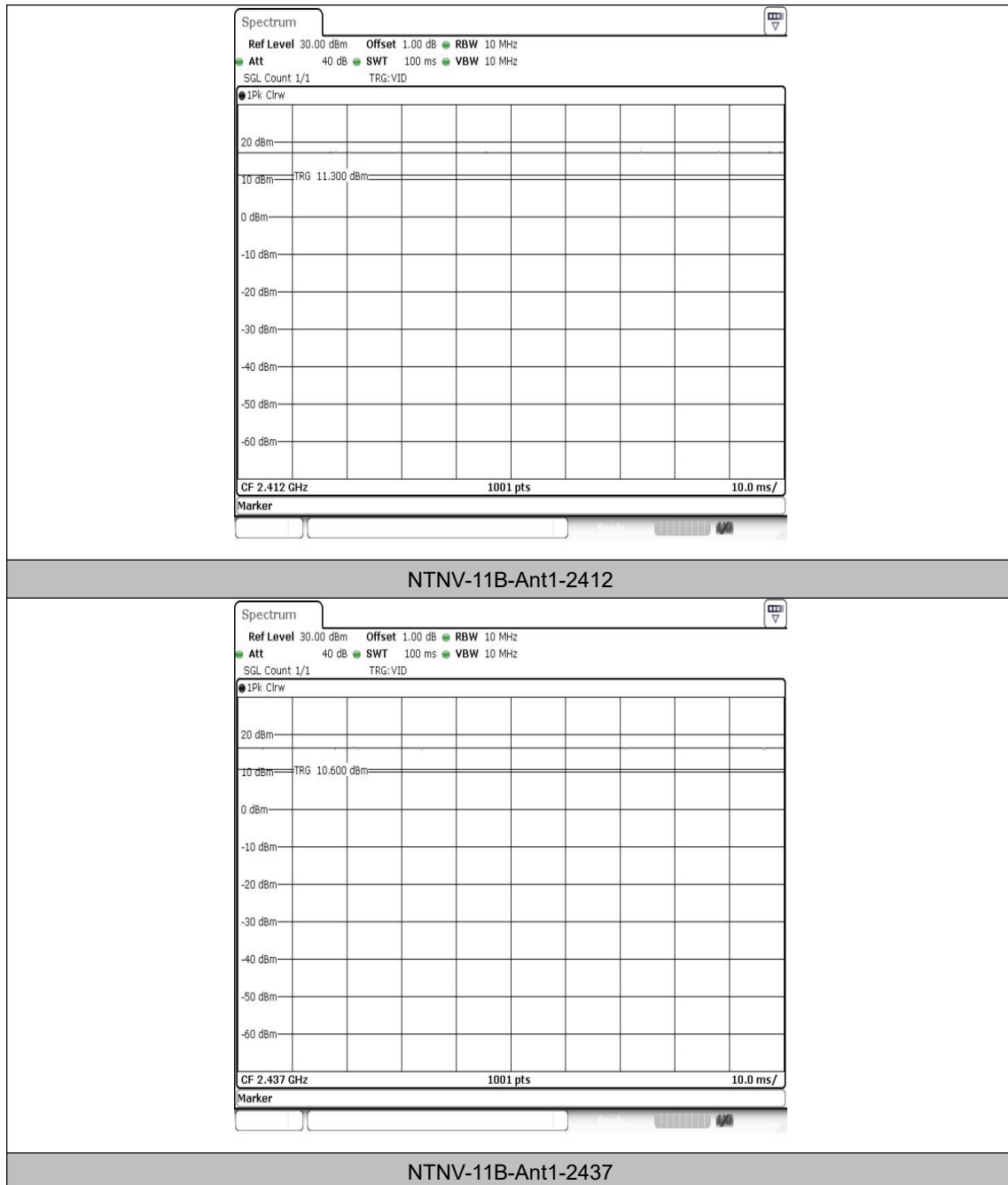
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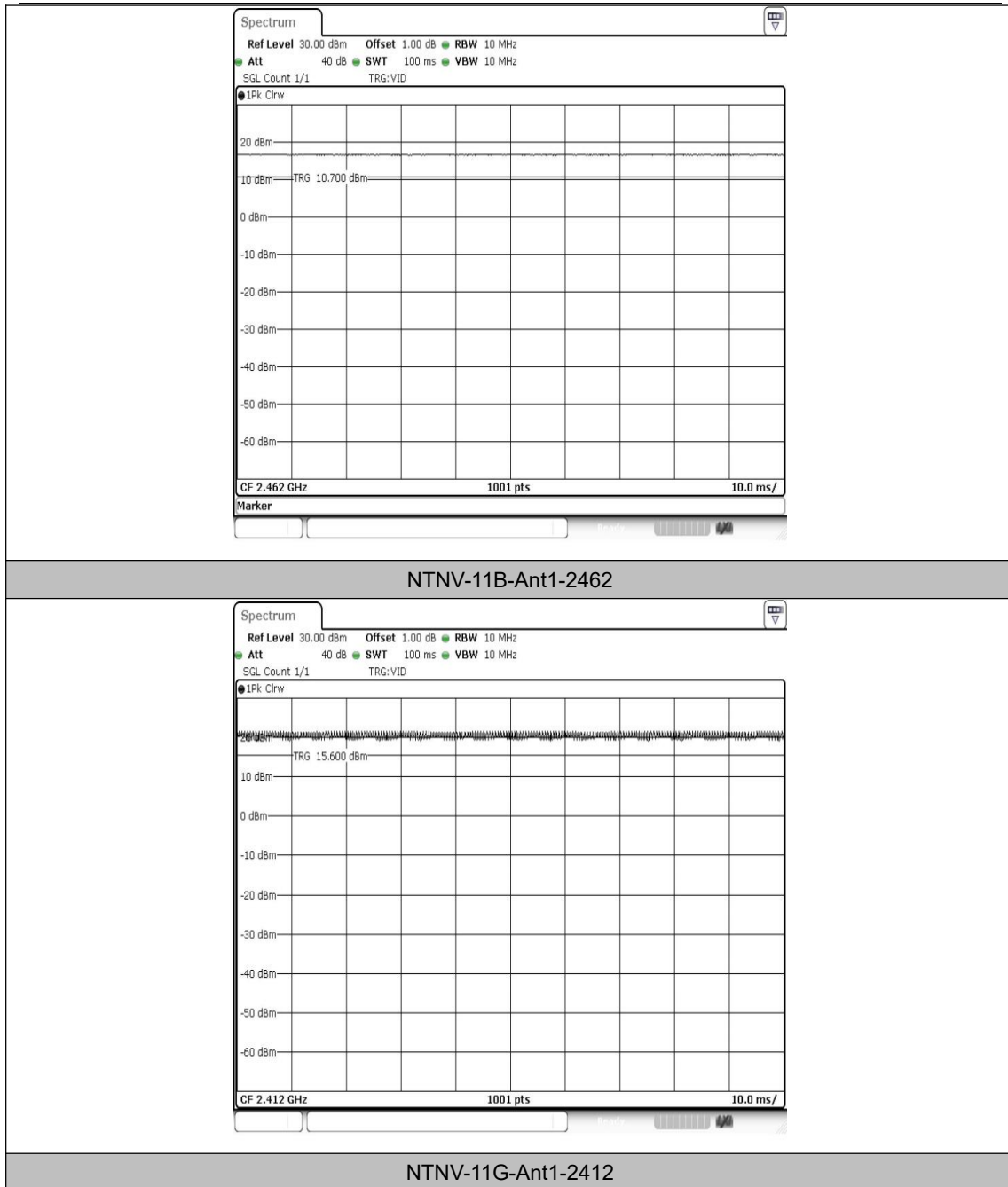
Test Graphs



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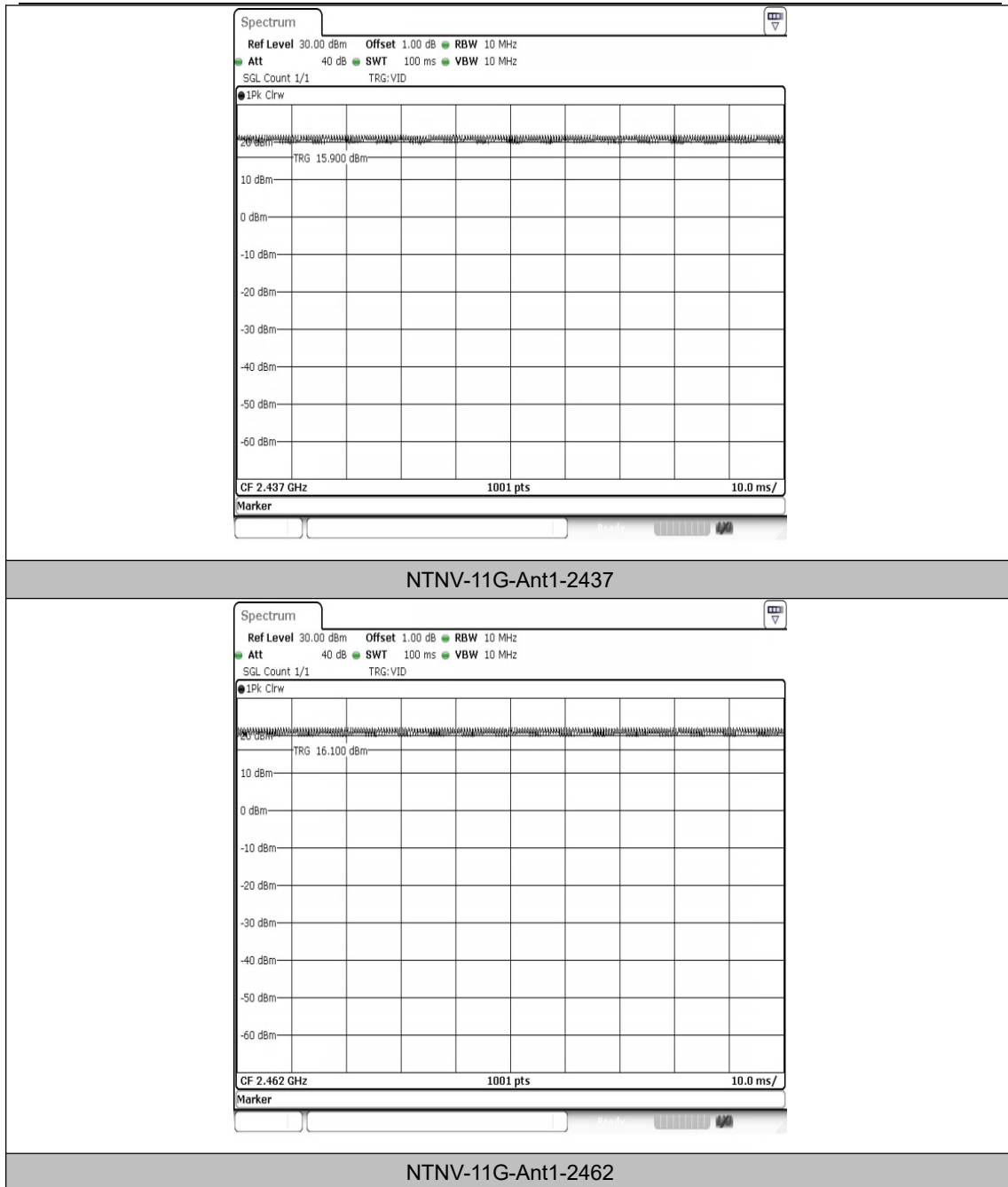
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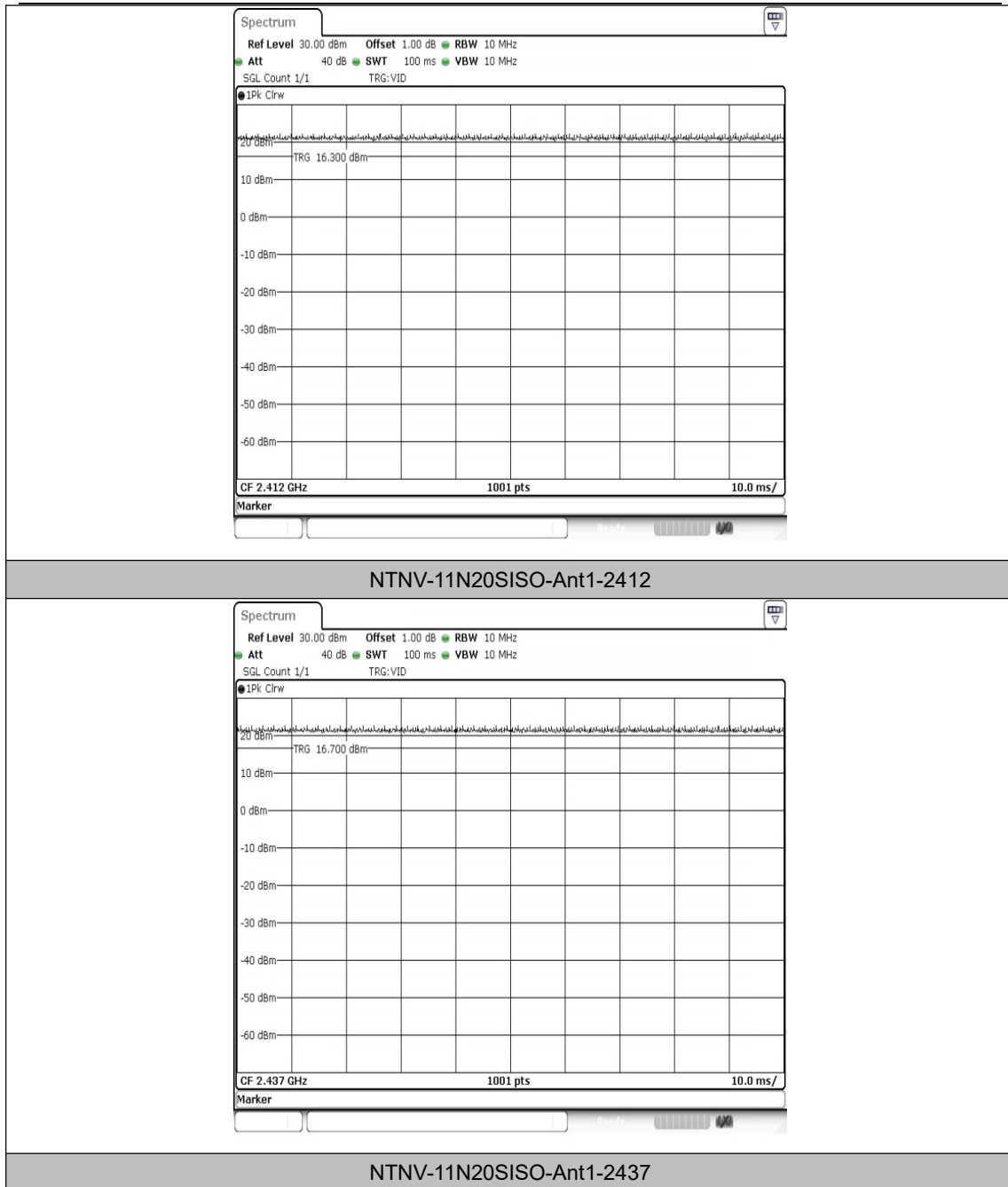
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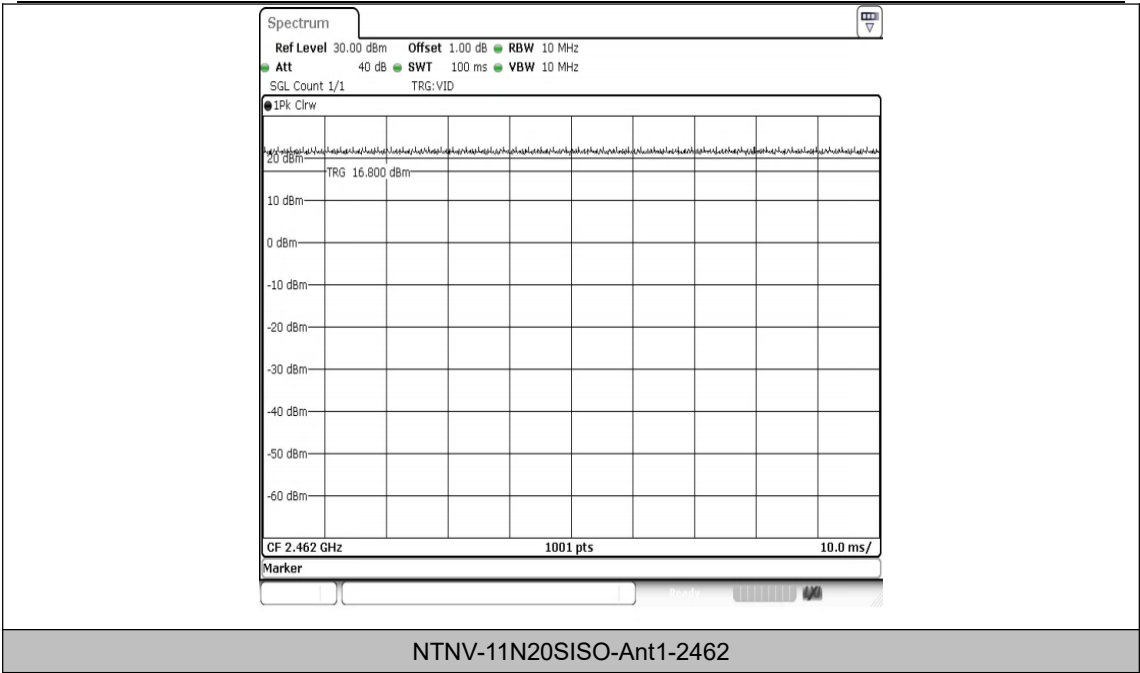


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