

Appendix Test Data

Report No.:	1812C40194812501	Test Sample No.:	1-2-2
Start Test Date:	2025-03-31	Finish Test Date:	2025-04-03
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	21.3°C	Relative Humidity:	50%
Pressure:	101kPa		

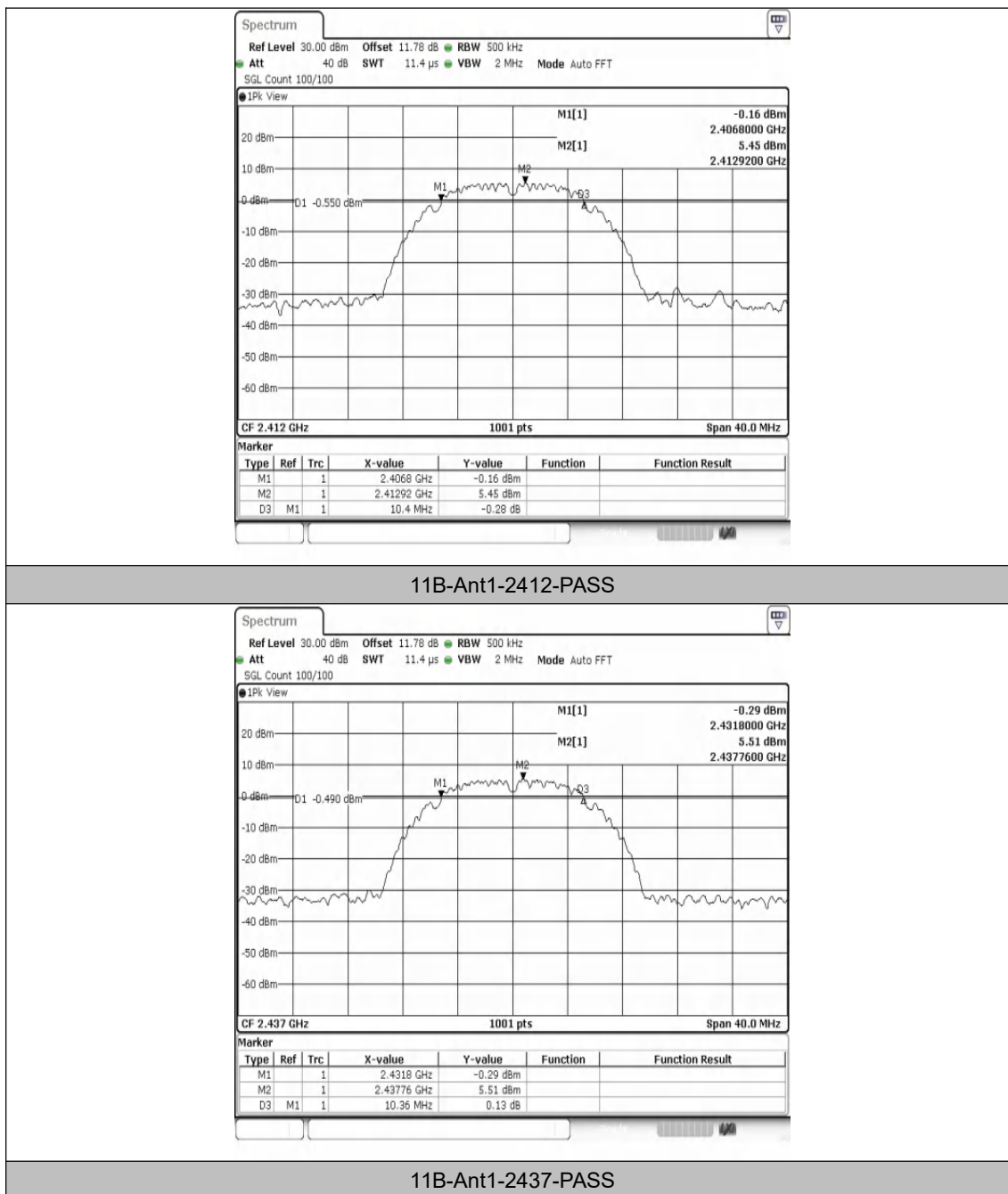
Appendix A: 6dB Bandwidth

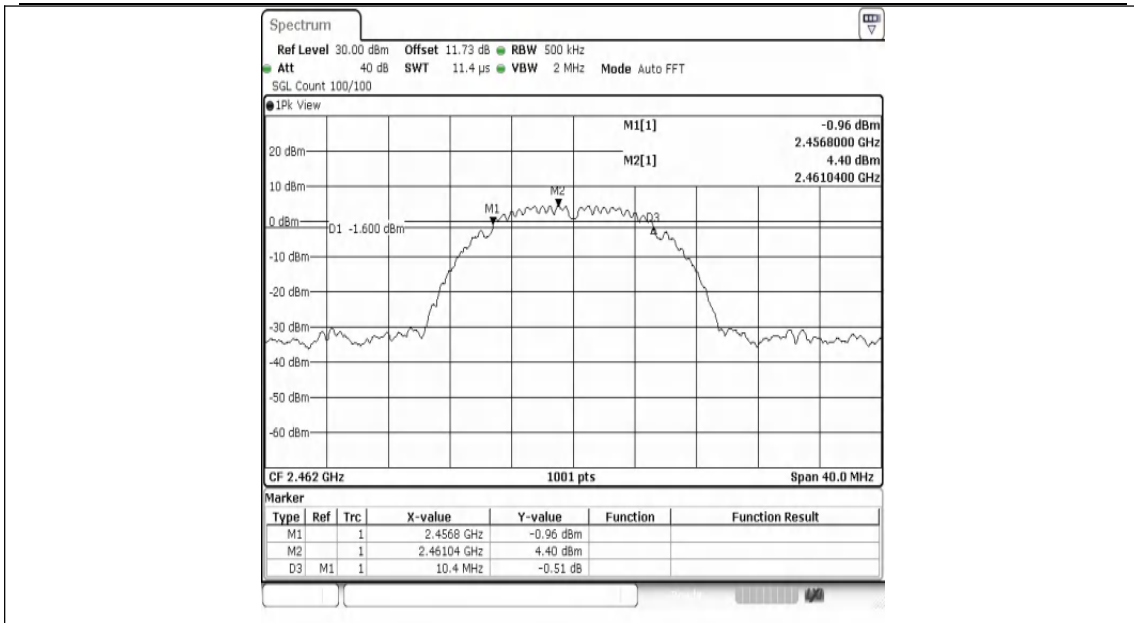
Test Result

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	10.36	2431.80	2442.16	0.5	PASS
11B	Ant1	2462	10.40	2456.80	2467.20	0.5	PASS
11G	Ant1	2412	15.68	2404.08	2419.76	0.5	PASS
11G	Ant1	2437	15.72	2429.04	2444.76	0.5	PASS
11G	Ant1	2462	14.04	2454.84	2468.88	0.5	PASS
11N20SISO	Ant1	2412	16.24	2403.56	2419.80	0.5	PASS
11N20SISO	Ant1	2437	16.48	2428.64	2445.12	0.5	PASS
11N20SISO	Ant1	2462	15.72	2454.20	2469.92	0.5	PASS
11N40SISO	Ant1	2422	34.96	2404.24	2439.20	0.5	PASS
11N40SISO	Ant1	2437	34.16	2420.28	2454.44	0.5	PASS
11N40SISO	Ant1	2452	34.32	2435.36	2469.68	0.5	PASS

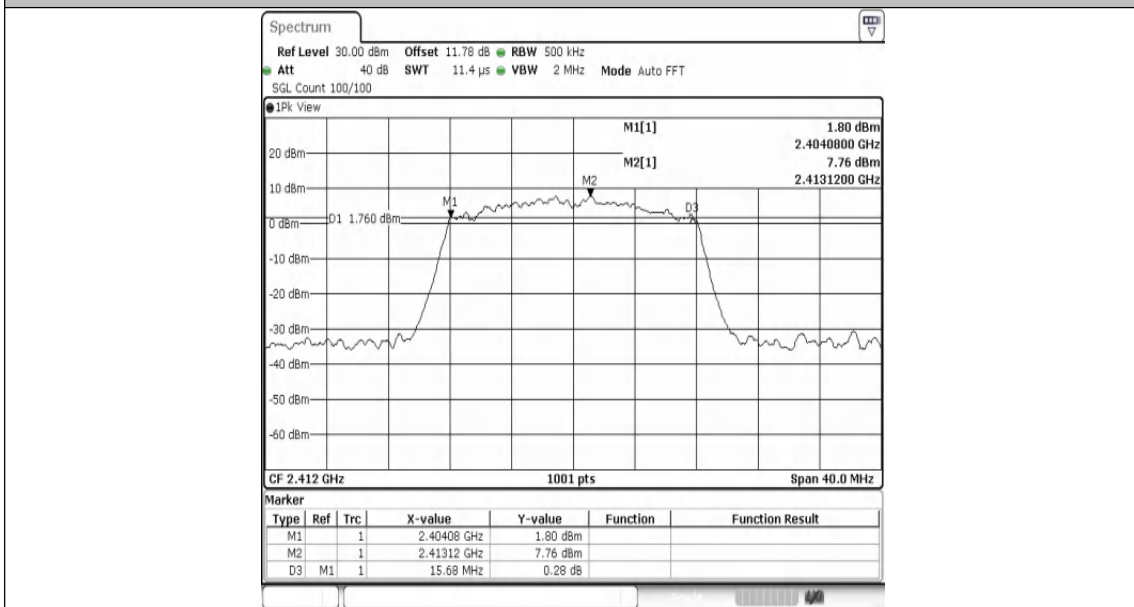


Test Graphs

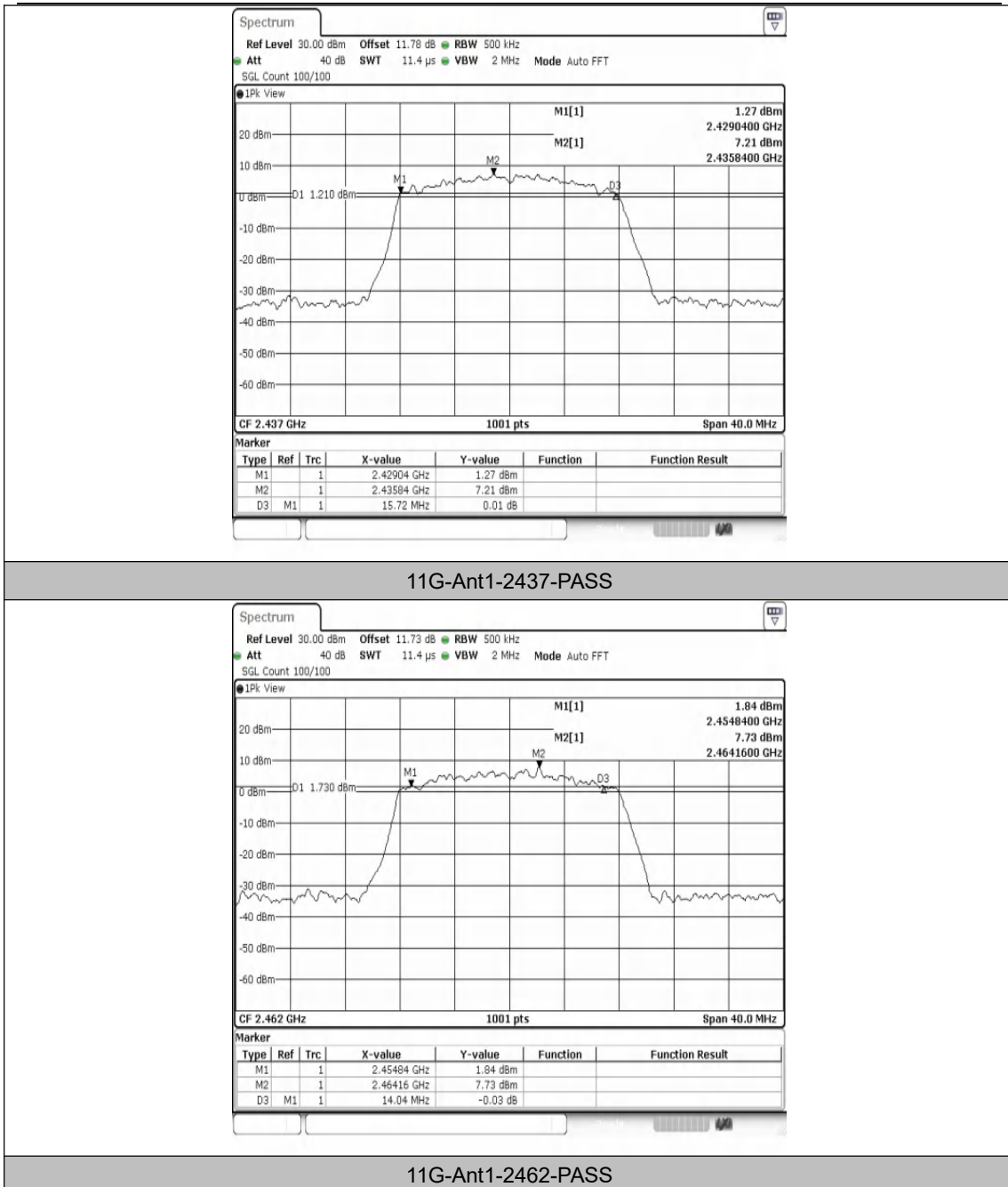


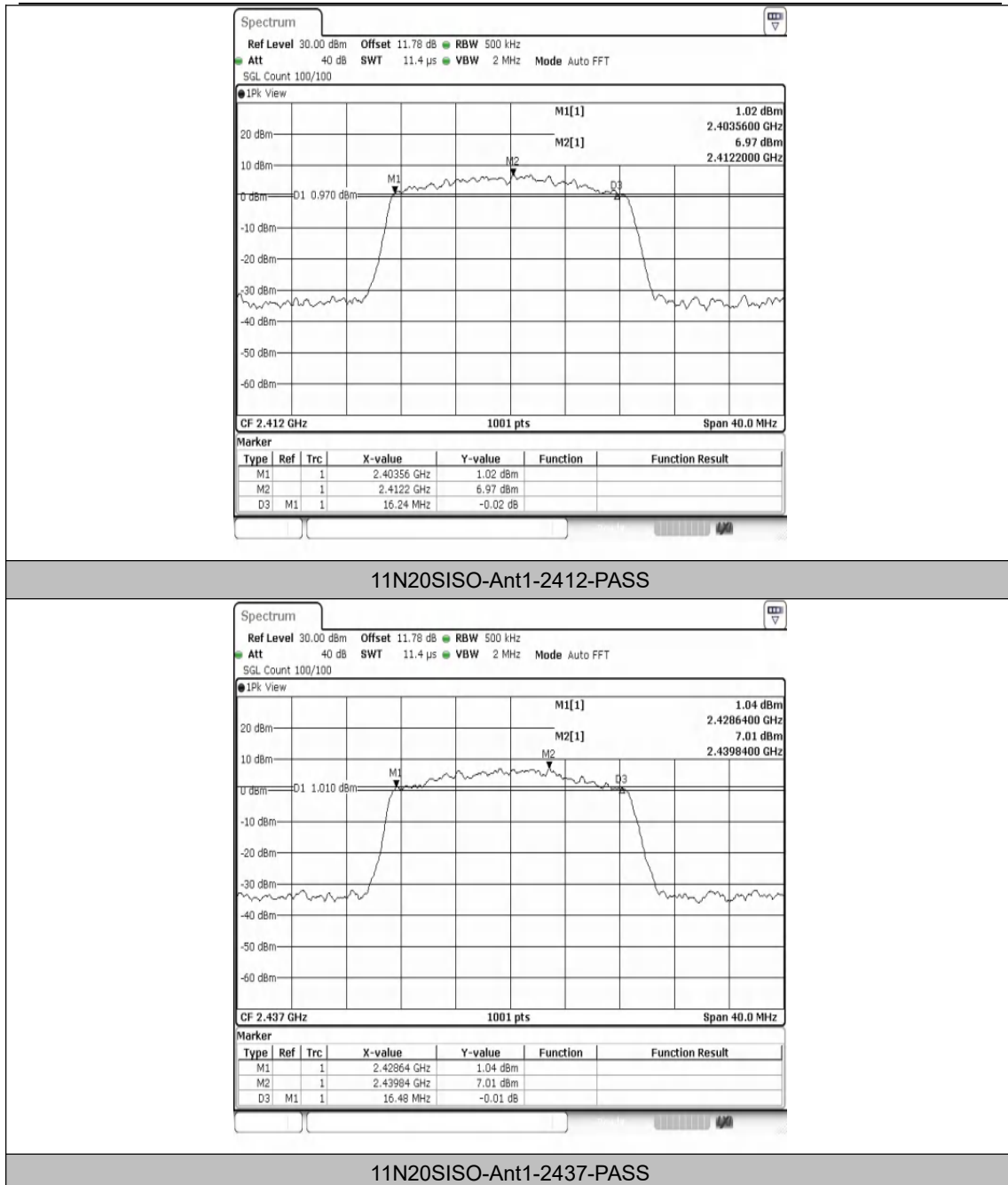


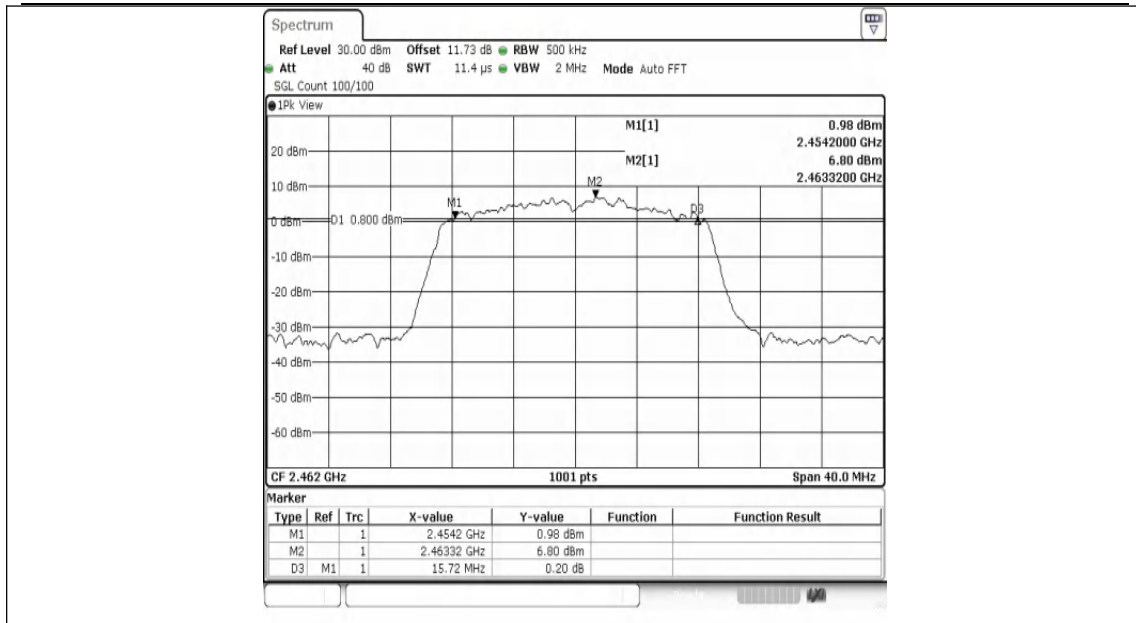
11B-Ant1-2462-PASS



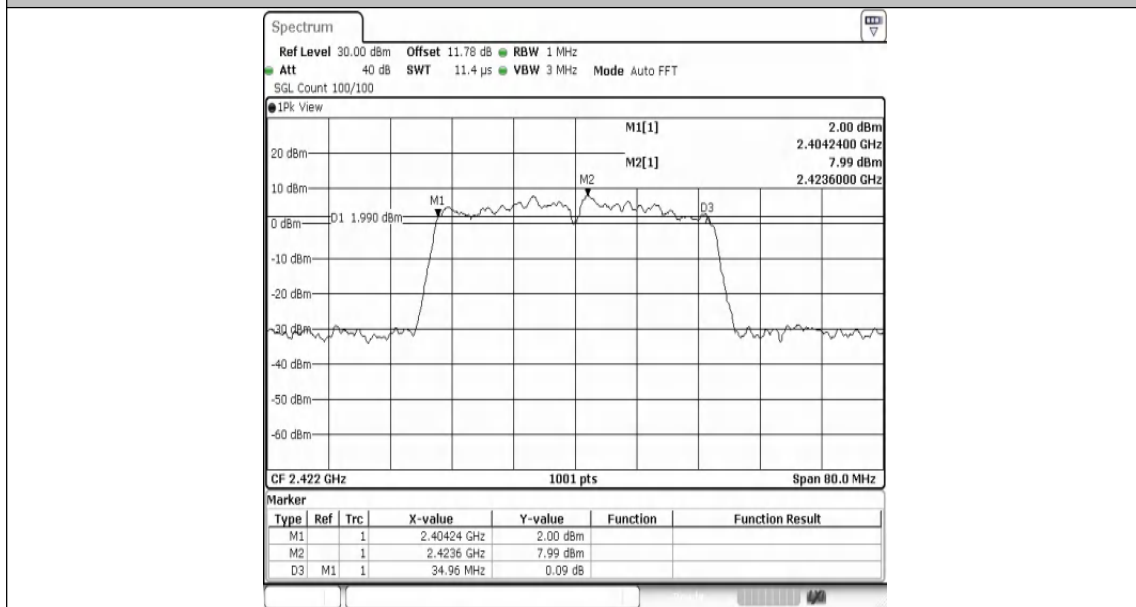
11G-Ant1-2412-PASS



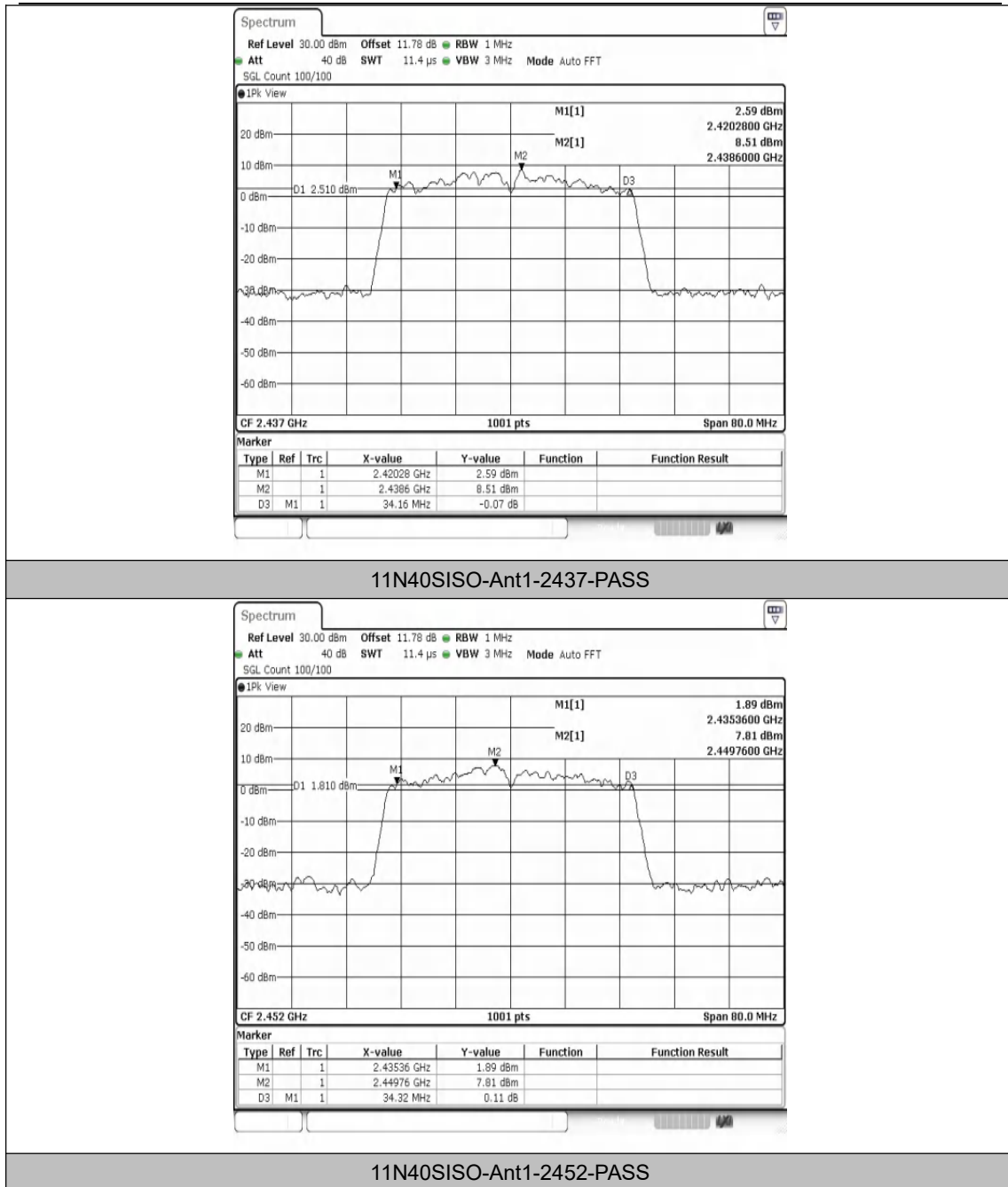




11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



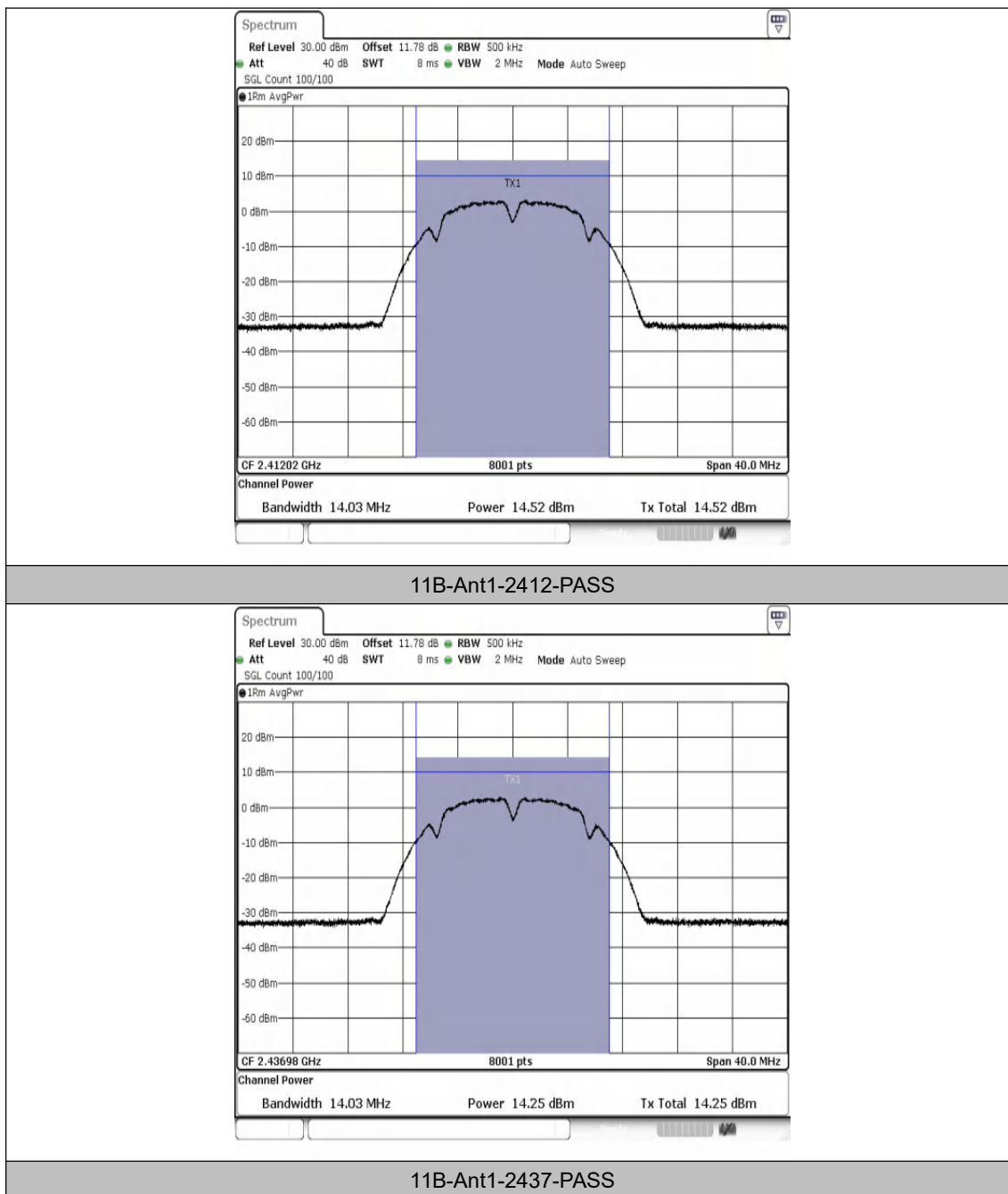
Appendix B: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.52	100.00	0.00	14.52	≤30.00	PASS
11B	Ant1	2437	14.25	100.00	0.00	14.25	≤30.00	PASS
11B	Ant1	2462	13.58	100.00	0.00	13.58	≤30.00	PASS
11G	Ant1	2412	14.14	100.00	0.00	14.14	≤30.00	PASS
11G	Ant1	2437	13.96	100.00	0.00	13.96	≤30.00	PASS
11G	Ant1	2462	13.58	100.00	0.00	13.58	≤30.00	PASS
11N20SISO	Ant1	2412	13.96	100.00	0.00	13.96	≤30.00	PASS
11N20SISO	Ant1	2437	13.82	100.00	0.00	13.82	≤30.00	PASS
11N20SISO	Ant1	2462	13.42	100.00	0.00	13.42	≤30.00	PASS
11N40SISO	Ant1	2422	13.71	100.00	0.00	13.71	≤30.00	PASS
11N40SISO	Ant1	2437	13.75	100.00	0.00	13.75	≤30.00	PASS
11N40SISO	Ant1	2452	13.42	100.00	0.00	13.42	≤30.00	PASS

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

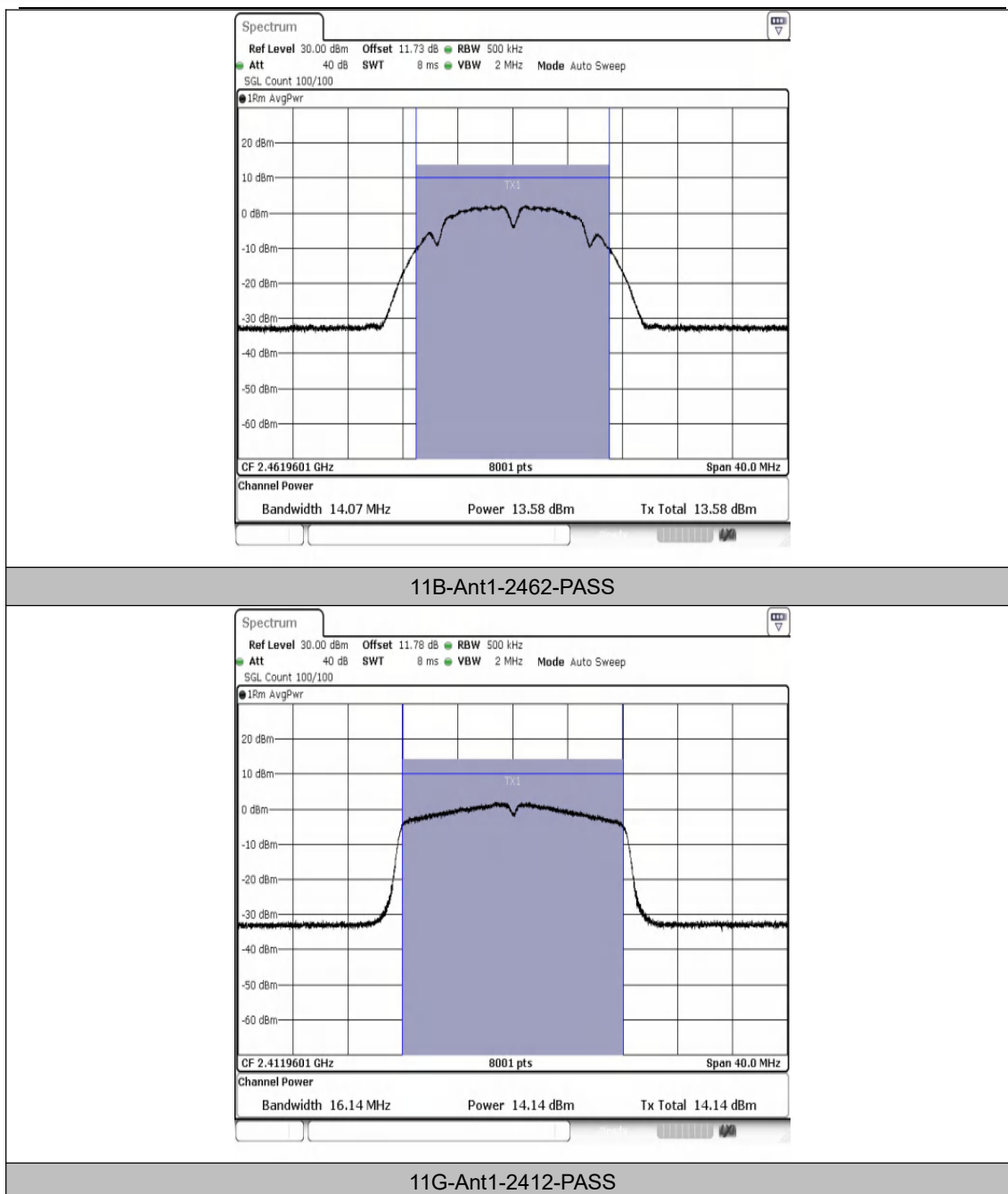
Test Graphs Average



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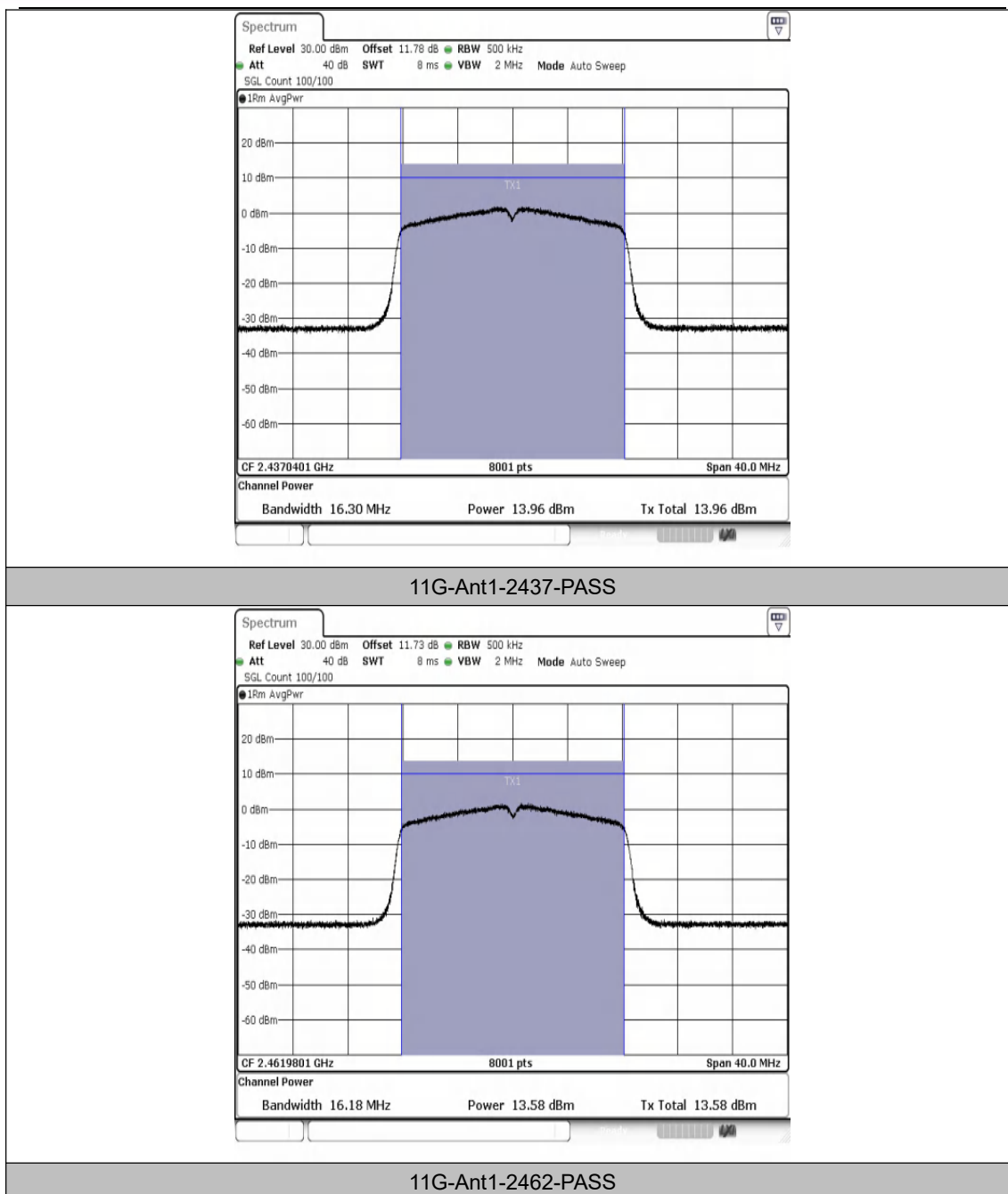
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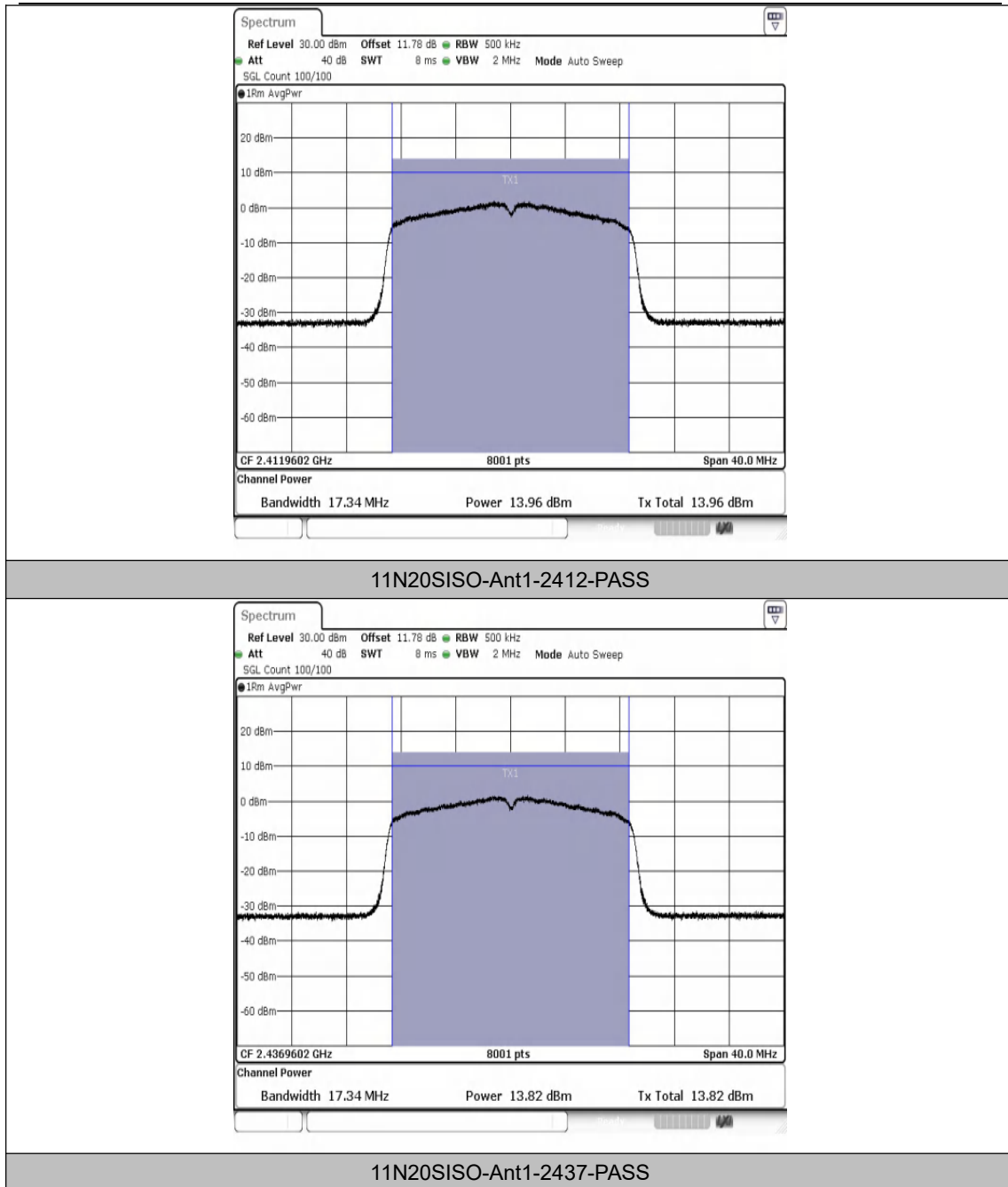


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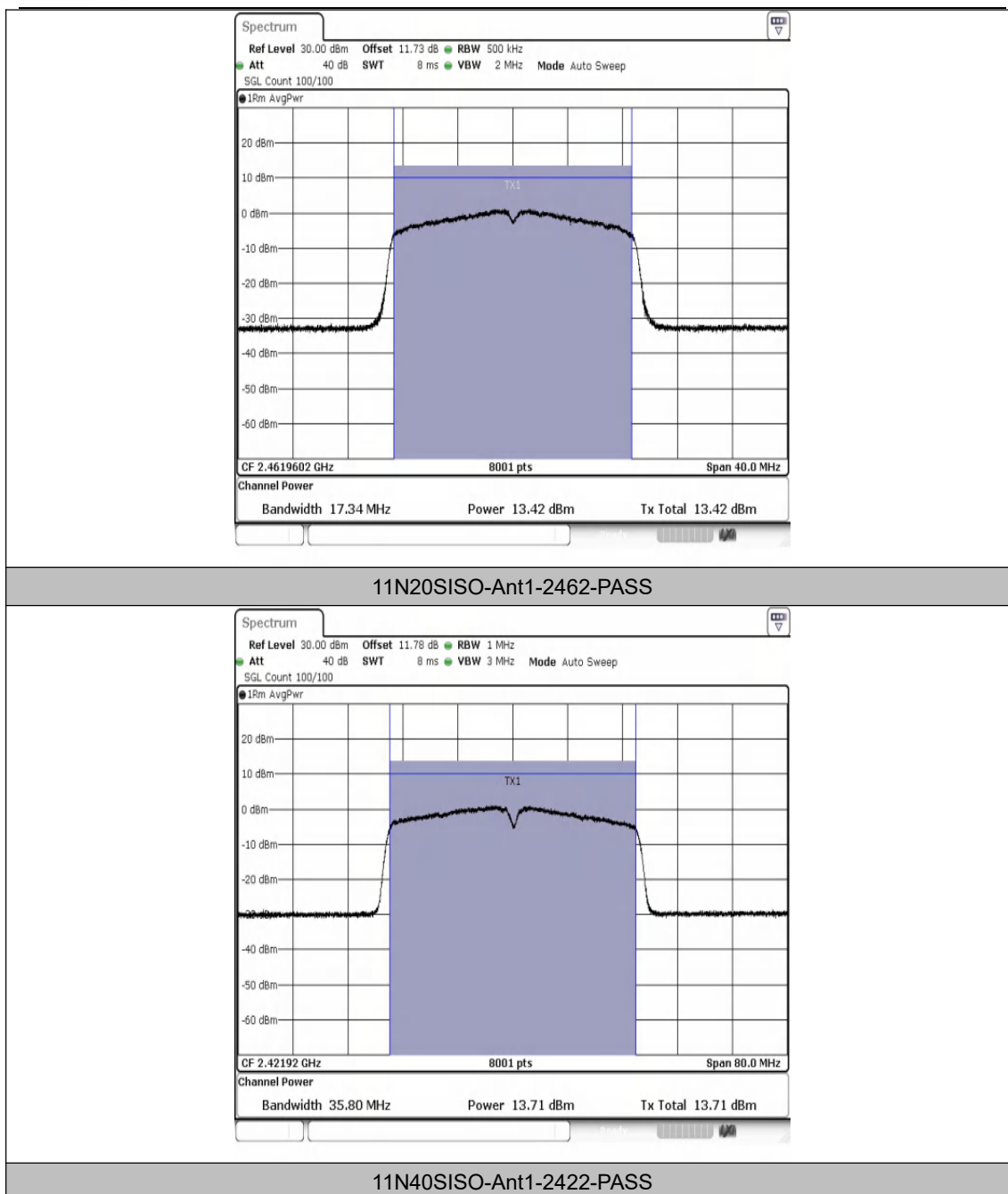




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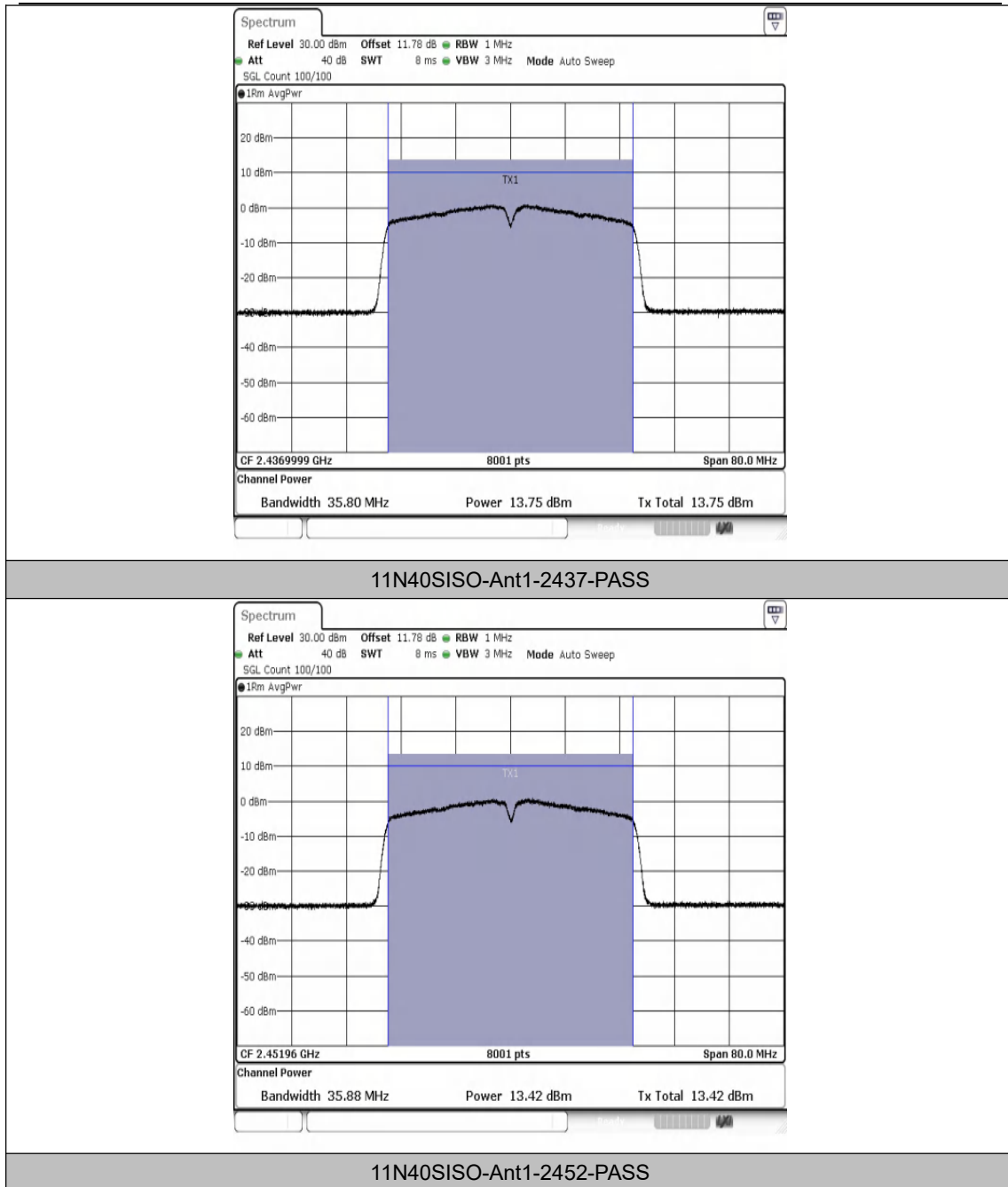
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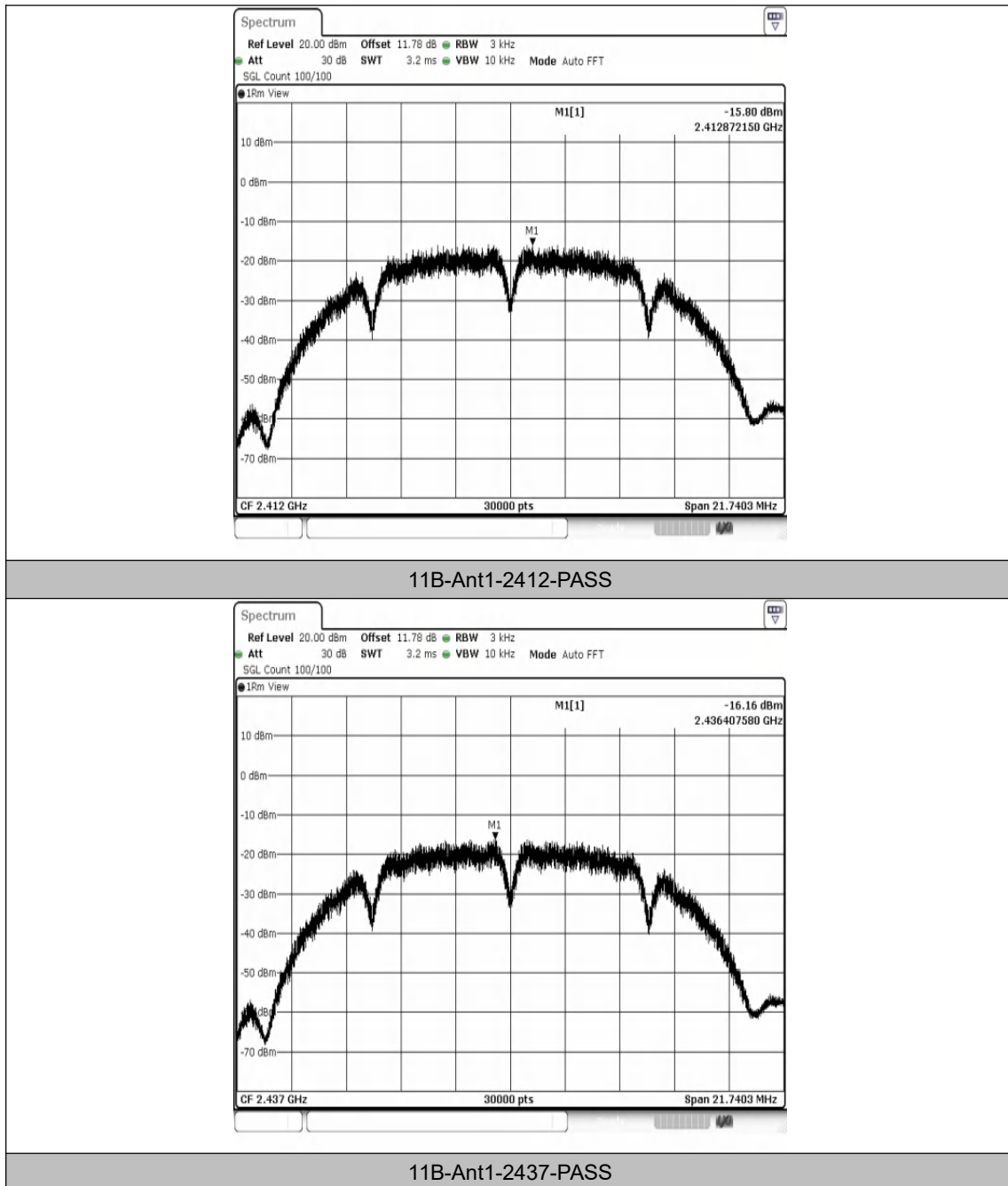
Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm /3kHz]	DC Factor [dB]	Result[dBm /3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.8	0.00	-15.80	≤8.00	PASS
11B	Ant1	2437	-16.16	0.00	-16.16	≤8.00	PASS
11B	Ant1	2462	-16.6	0.00	-16.60	≤8.00	PASS
11G	Ant1	2412	-14.57	0.00	-14.57	≤8.00	PASS
11G	Ant1	2437	-14.64	0.00	-14.64	≤8.00	PASS
11G	Ant1	2462	-14.72	0.00	-14.72	≤8.00	PASS
11N20SISO	Ant1	2412	-12.86	0.00	-12.86	≤8.00	PASS
11N20SISO	Ant1	2437	-13.04	0.00	-13.04	≤8.00	PASS
11N20SISO	Ant1	2462	-13.58	0.00	-13.58	≤8.00	PASS
11N40SISO	Ant1	2422	-15.87	0.00	-15.87	≤8.00	PASS
11N40SISO	Ant1	2437	-15.9	0.00	-15.90	≤8.00	PASS
11N40SISO	Ant1	2452	-16.32	0.00	-16.32	≤8.00	PASS

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

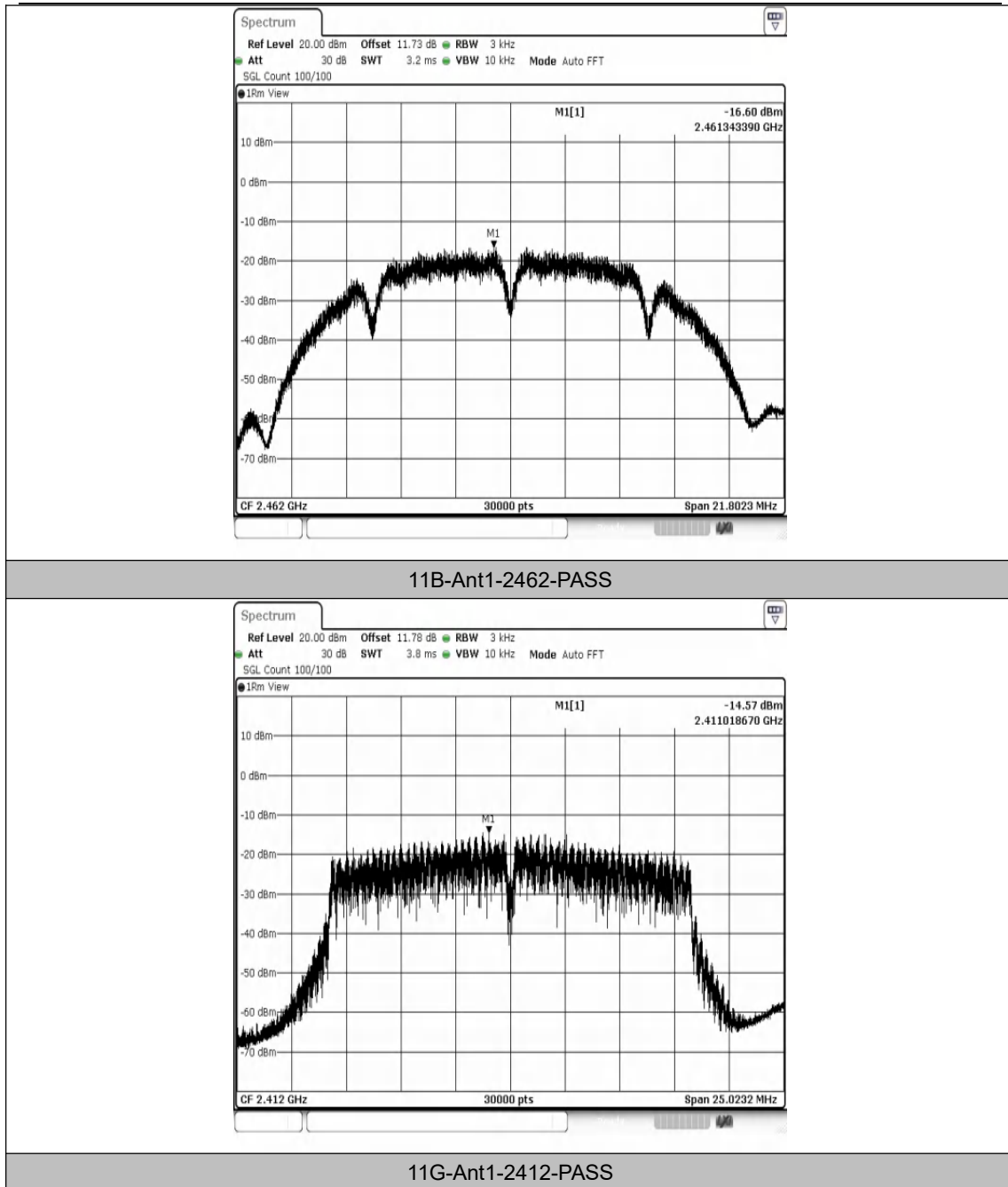
Test Graphs



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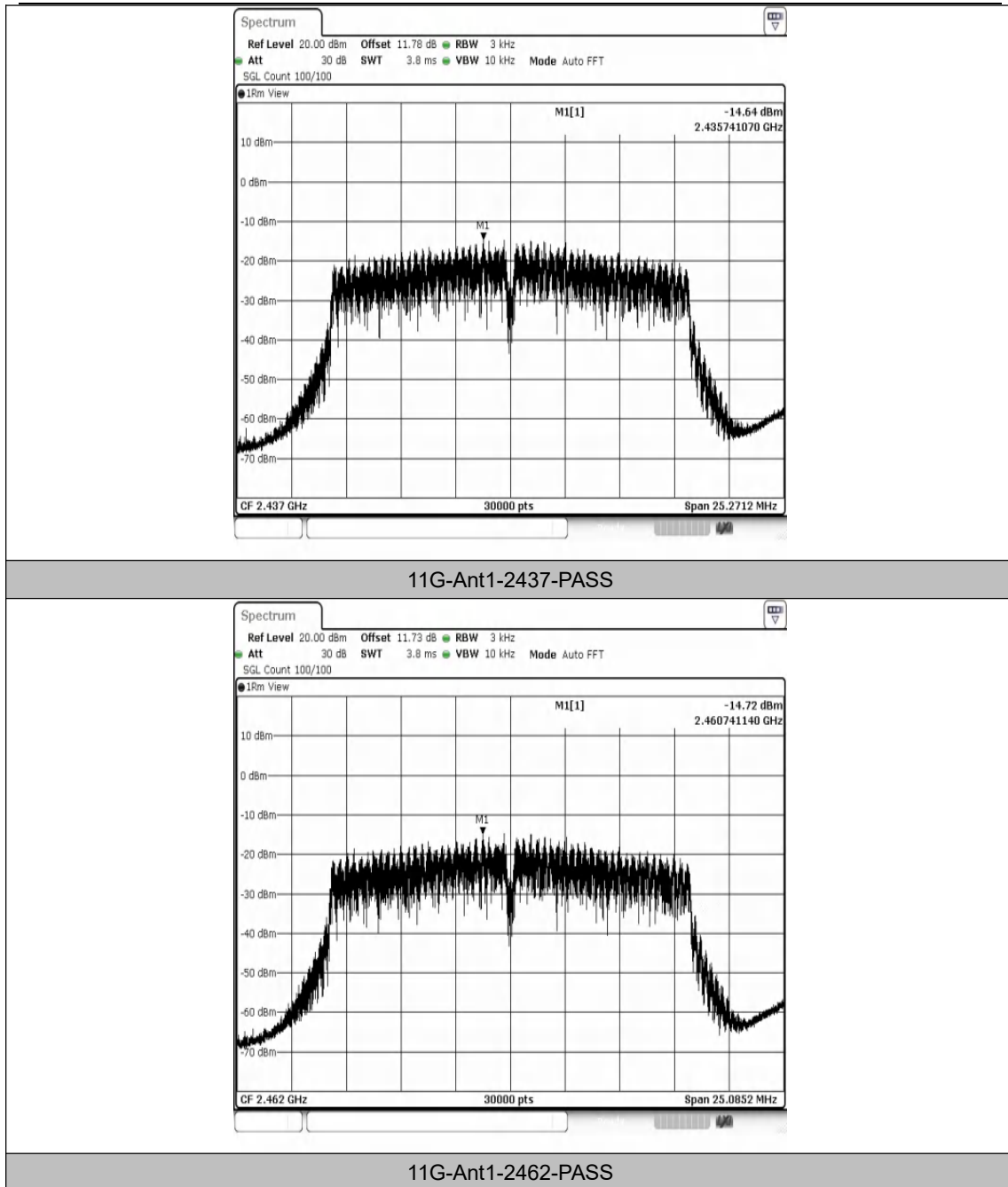
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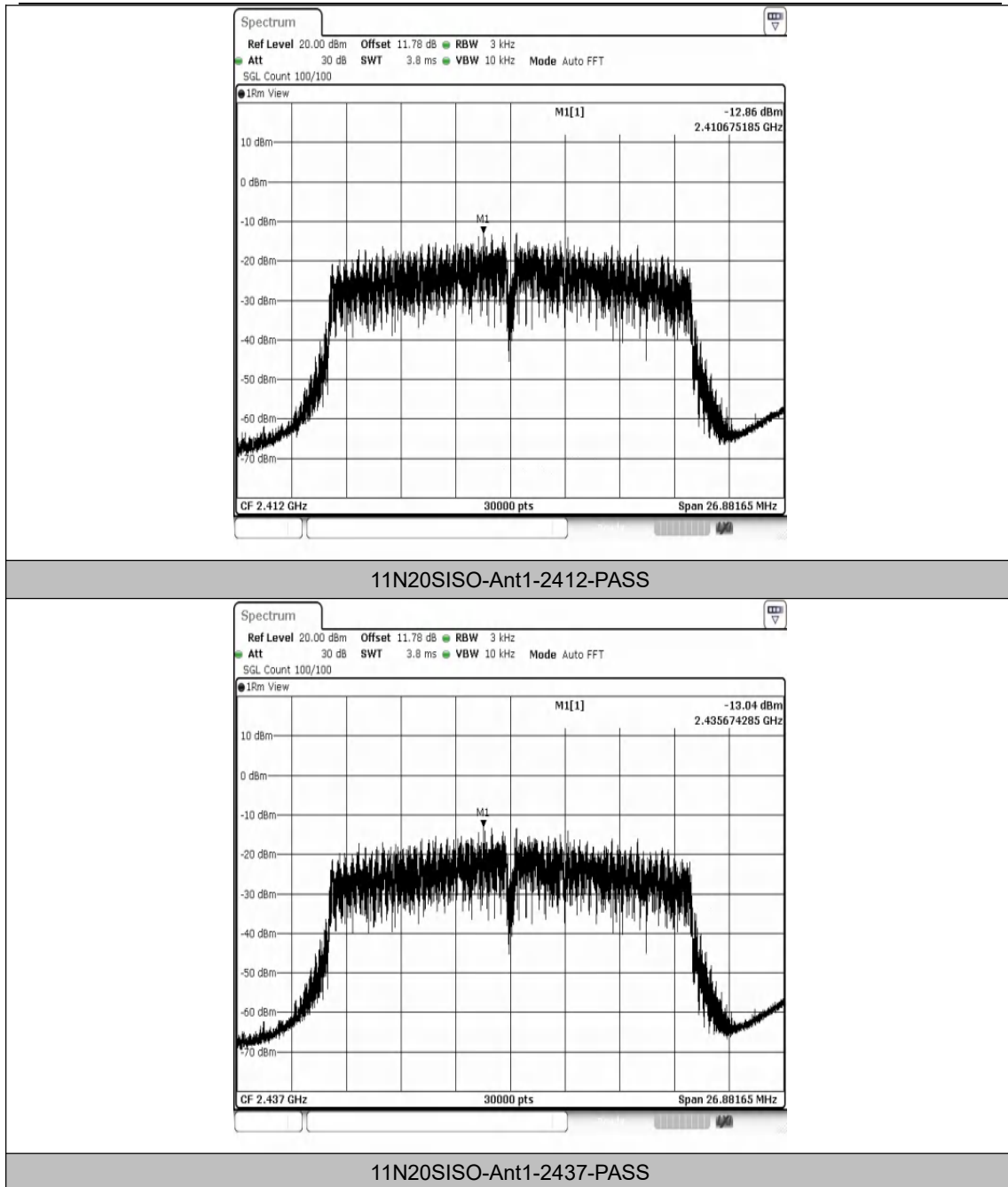


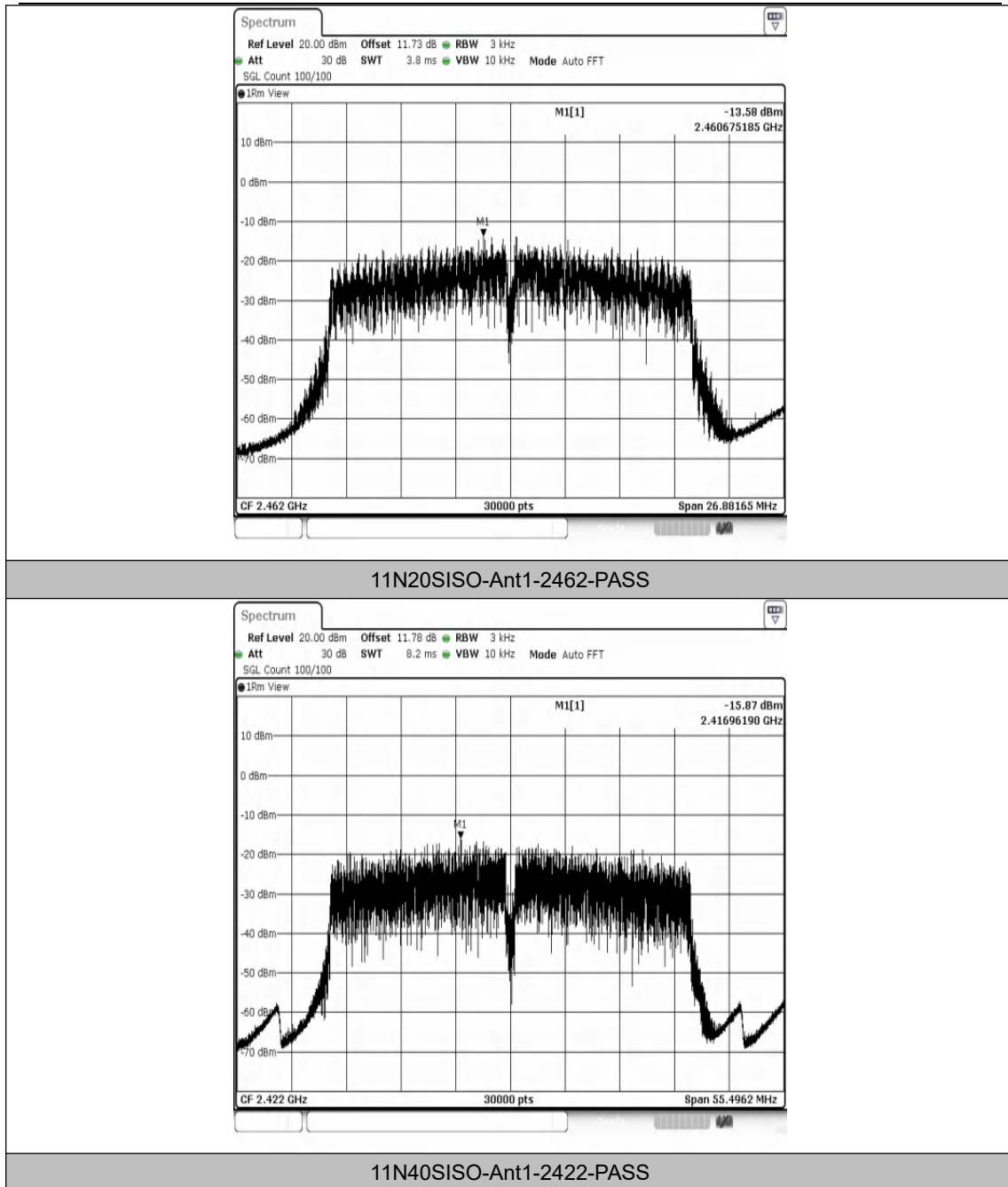
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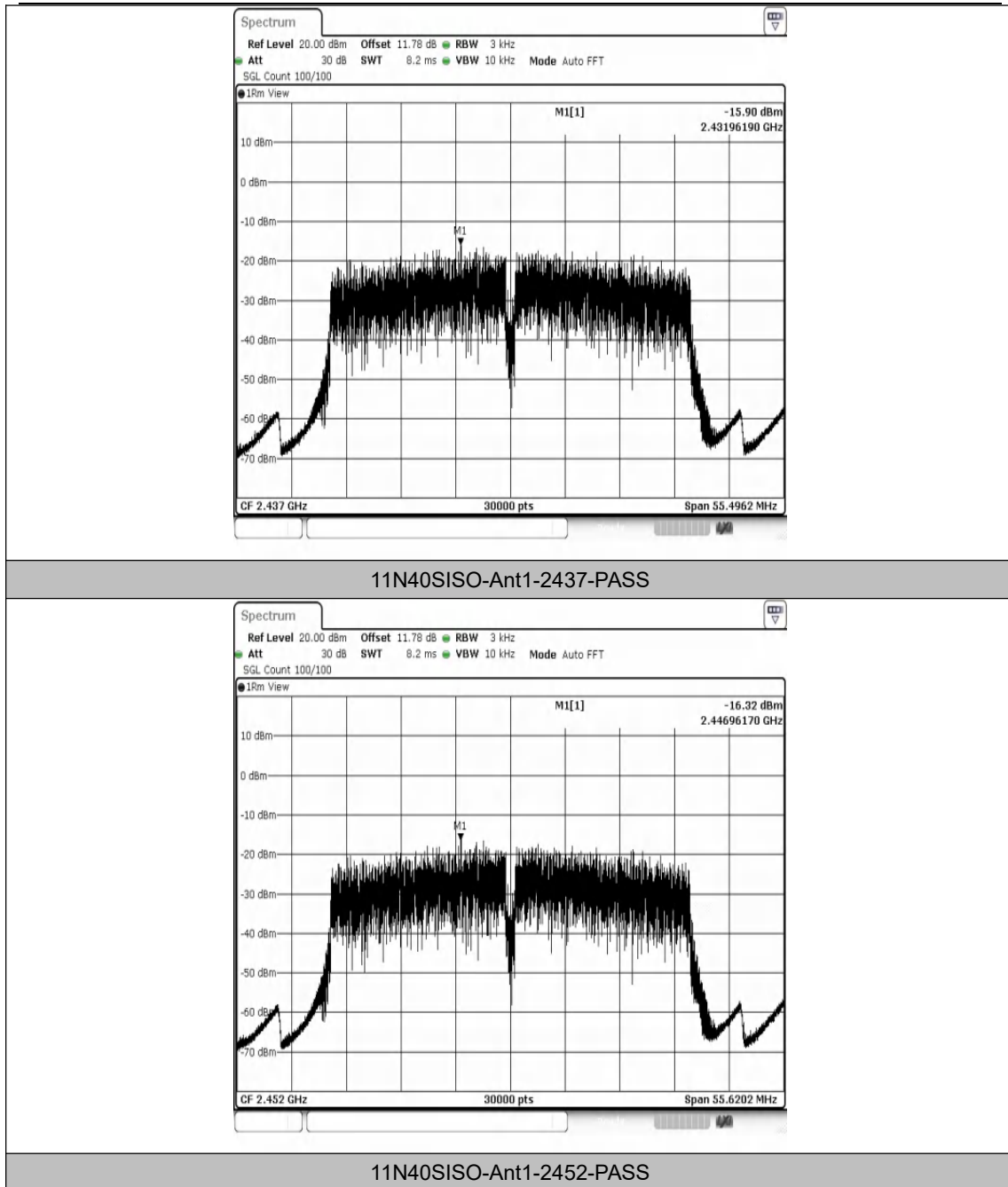




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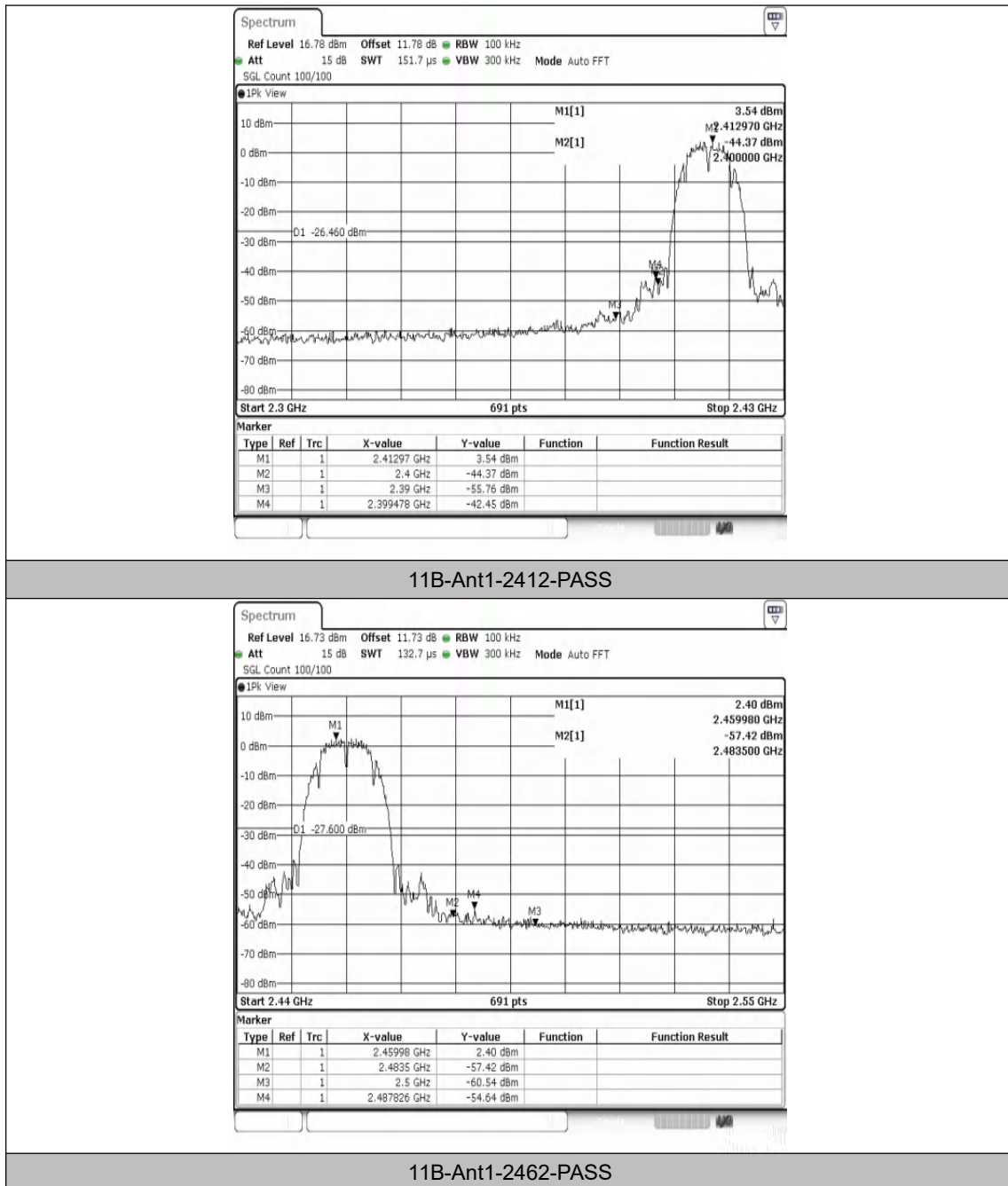
Appendix D: Conducted Band edge

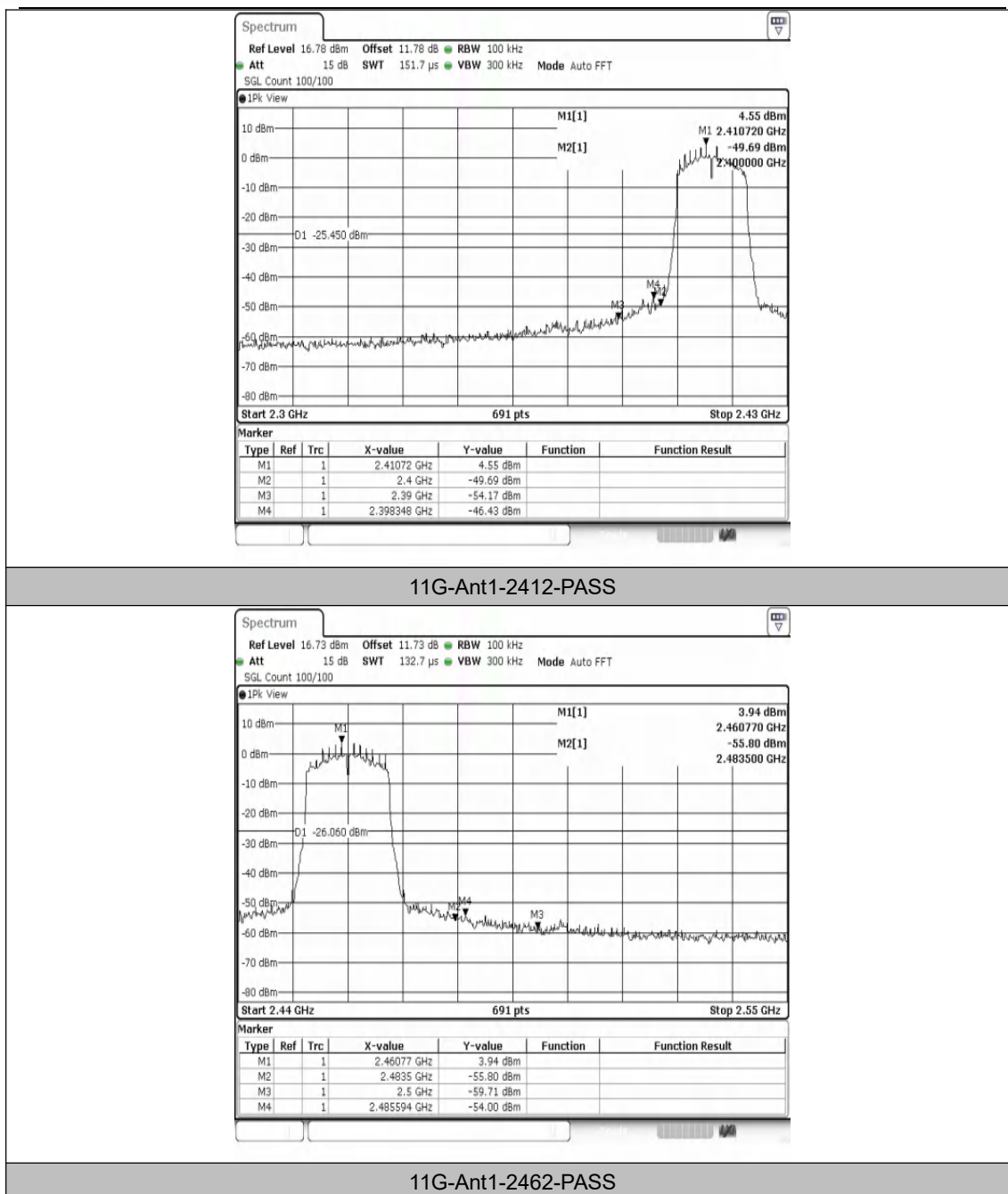
Test Result

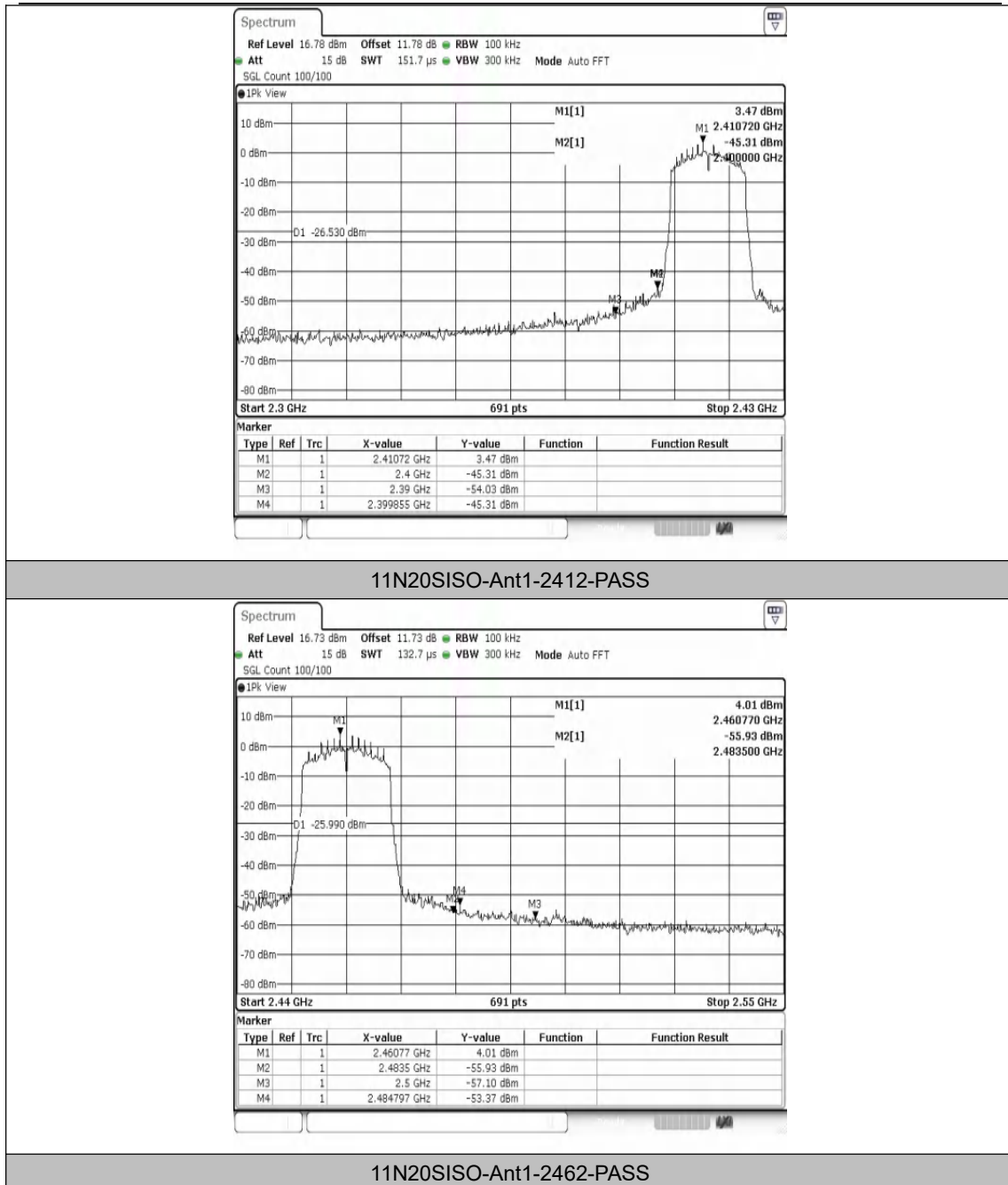
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.54	-42.45	≤-26.46	PASS
11B	Ant1	High	2462	2.40	-54.64	≤-27.6	PASS
11G	Ant1	Low	2412	4.55	-46.43	≤-25.45	PASS
11G	Ant1	High	2462	3.94	-54	≤-26.06	PASS
11N20SISO	Ant1	Low	2412	3.47	-45.31	≤-26.53	PASS
11N20SISO	Ant1	High	2462	4.01	-53.37	≤-25.99	PASS
11N40SISO	Ant1	Low	2422	1.39	-48.79	≤-28.61	PASS
11N40SISO	Ant1	High	2452	0.84	-48.48	≤-29.16	PASS

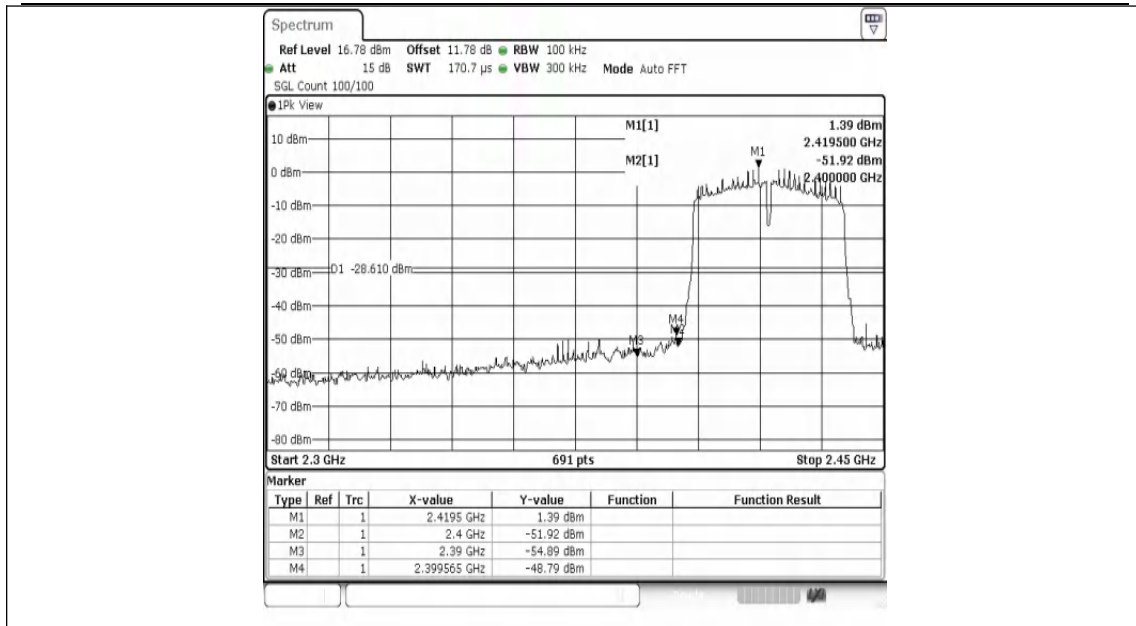


Test Graphs

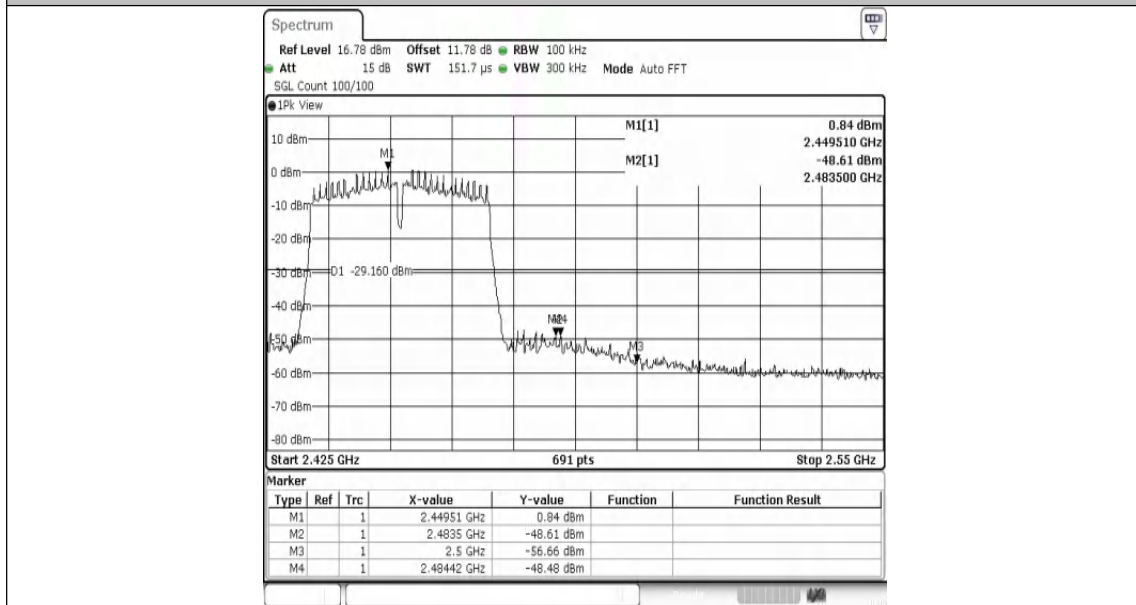








11N40SISO-Ant1-2422-PASS



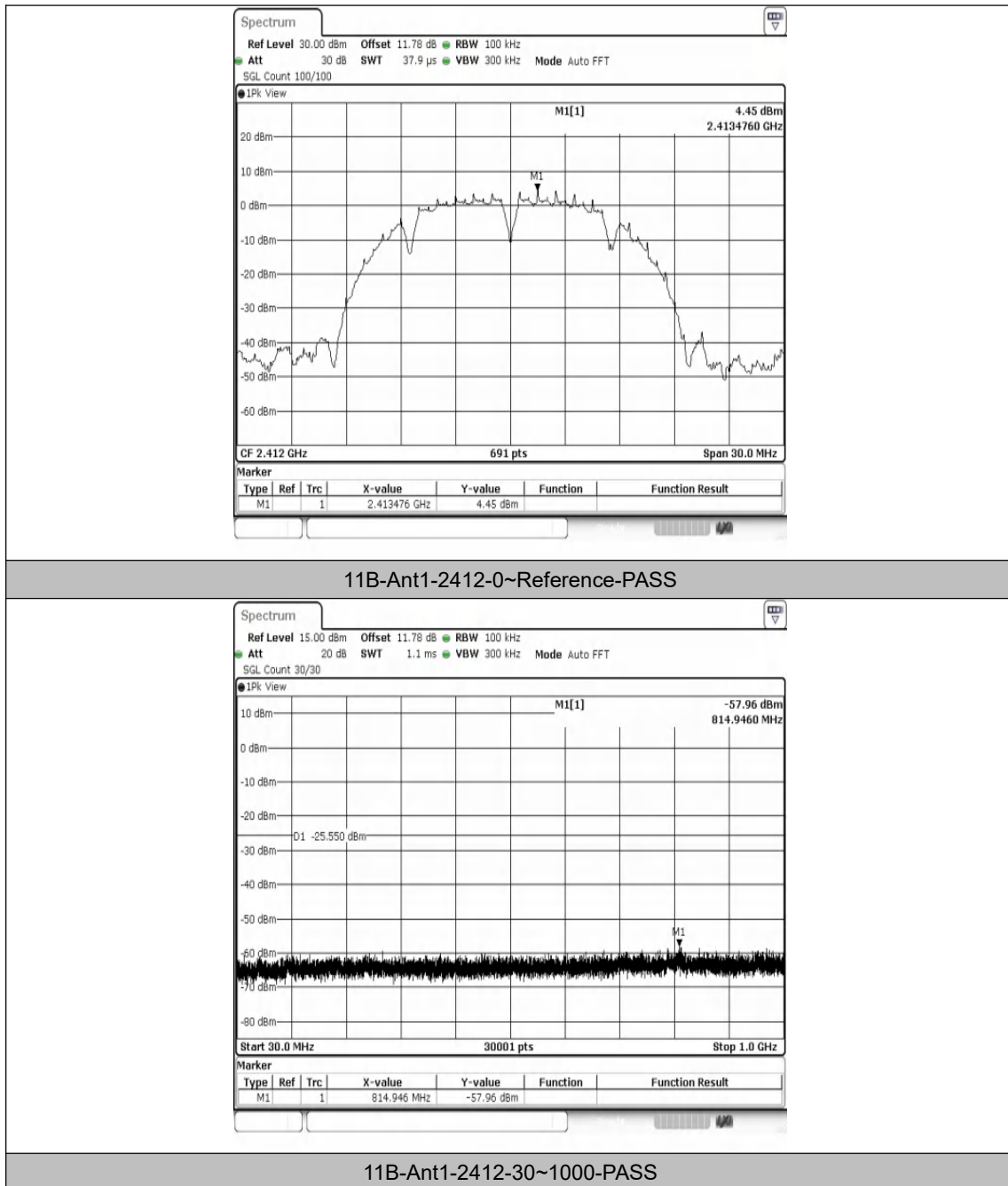
11N40SISO-Ant1-2452-PASS

Appendix E: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequenc y[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.45	4.45	---	PASS
11B	Ant1	2412	30~1000	4.45	-57.96	≤-25.55	PASS
11B	Ant1	2412	1000~26500	4.45	-43.77	≤-25.55	PASS
11B	Ant1	2437	0~Reference	4.05	4.05	---	PASS
11B	Ant1	2437	30~1000	4.05	-58.02	≤-25.95	PASS
11B	Ant1	2437	1000~26500	4.05	-43.14	≤-25.95	PASS
11B	Ant1	2462	0~Reference	3.52	3.52	---	PASS
11B	Ant1	2462	30~1000	3.52	-57.61	≤-26.48	PASS
11B	Ant1	2462	1000~26500	3.52	-44.24	≤-26.48	PASS
11G	Ant1	2412	0~Reference	4.54	4.54	---	PASS
11G	Ant1	2412	30~1000	4.54	-58.08	≤-25.46	PASS
11G	Ant1	2412	1000~26500	4.54	-43.95	≤-25.46	PASS
11G	Ant1	2437	0~Reference	4.33	4.33	---	PASS
11G	Ant1	2437	30~1000	4.33	-57.99	≤-25.67	PASS
11G	Ant1	2437	1000~26500	4.33	-43.35	≤-25.67	PASS
11G	Ant1	2462	0~Reference	3.23	3.23	---	PASS
11G	Ant1	2462	30~1000	3.23	-57.85	≤-26.77	PASS
11G	Ant1	2462	1000~26500	3.23	-44.22	≤-26.77	PASS
11N20SISO	Ant1	2412	0~Reference	4.51	4.51	---	PASS
11N20SISO	Ant1	2412	30~1000	4.51	-58.6	≤-25.49	PASS
11N20SISO	Ant1	2412	1000~26500	4.51	-44.07	≤-25.49	PASS
11N20SISO	Ant1	2437	0~Reference	4.08	4.08	---	PASS
11N20SISO	Ant1	2437	30~1000	4.08	-58.18	≤-25.92	PASS
11N20SISO	Ant1	2437	1000~26500	4.08	-44.08	≤-25.92	PASS
11N20SISO	Ant1	2462	0~Reference	3.88	3.88	---	PASS
11N20SISO	Ant1	2462	30~1000	3.88	-57.84	≤-26.12	PASS
11N20SISO	Ant1	2462	1000~26500	3.88	-44.21	≤-26.12	PASS
11N40SISO	Ant1	2422	0~Reference	1.28	1.28	---	PASS
11N40SISO	Ant1	2422	30~1000	1.28	-57.81	≤-28.72	PASS
11N40SISO	Ant1	2422	1000~26500	1.28	-43.7	≤-28.72	PASS
11N40SISO	Ant1	2437	0~Reference	1.05	1.05	---	PASS
11N40SISO	Ant1	2437	30~1000	1.05	-58.18	≤-28.95	PASS
11N40SISO	Ant1	2437	1000~26500	1.05	-43.2	≤-28.95	PASS
11N40SISO	Ant1	2452	0~Reference	0.93	0.93	---	PASS
11N40SISO	Ant1	2452	30~1000	0.93	-57.69	≤-29.07	PASS
11N40SISO	Ant1	2452	1000~26500	0.93	-44.01	≤-29.07	PASS

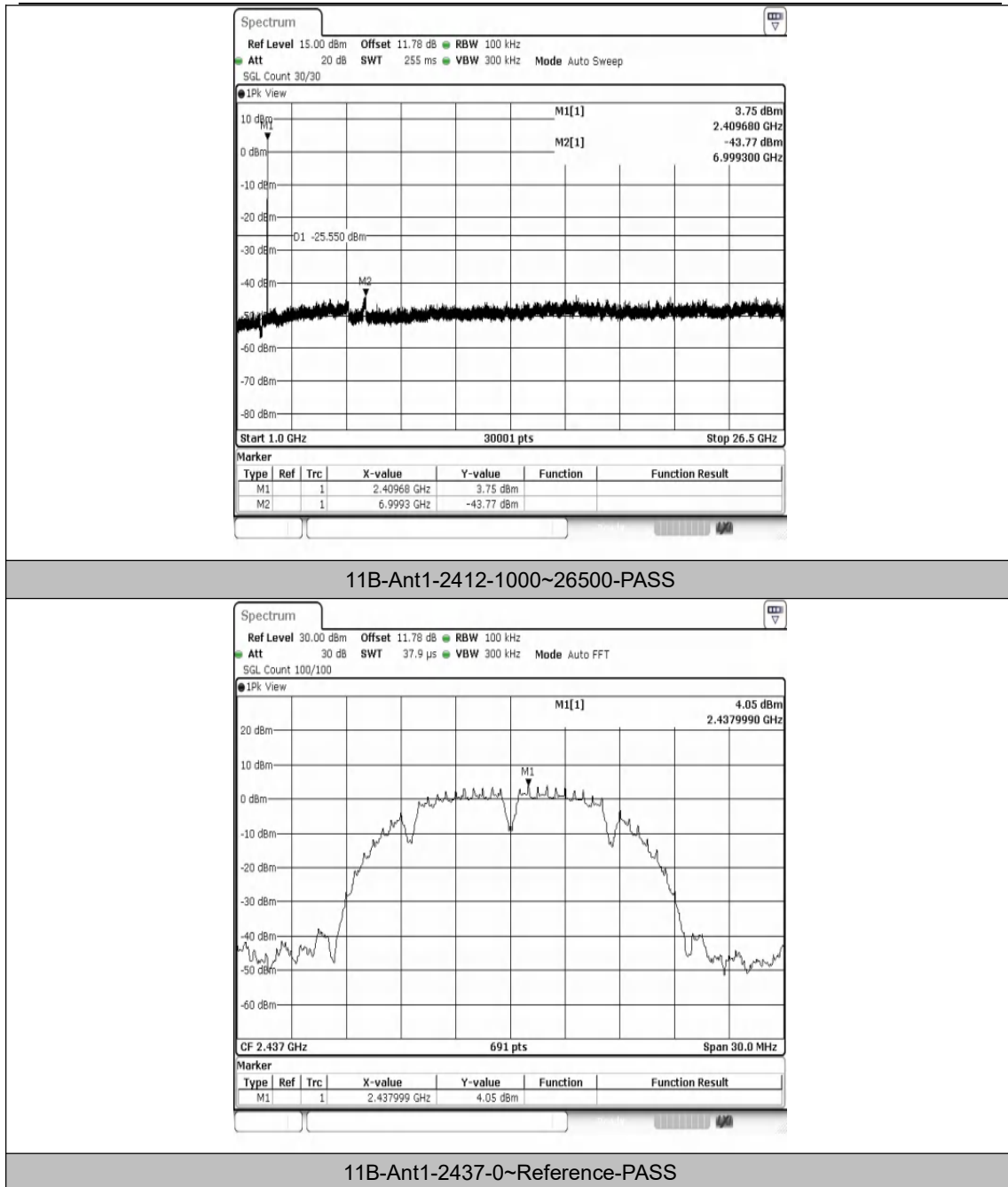
Test Graphs

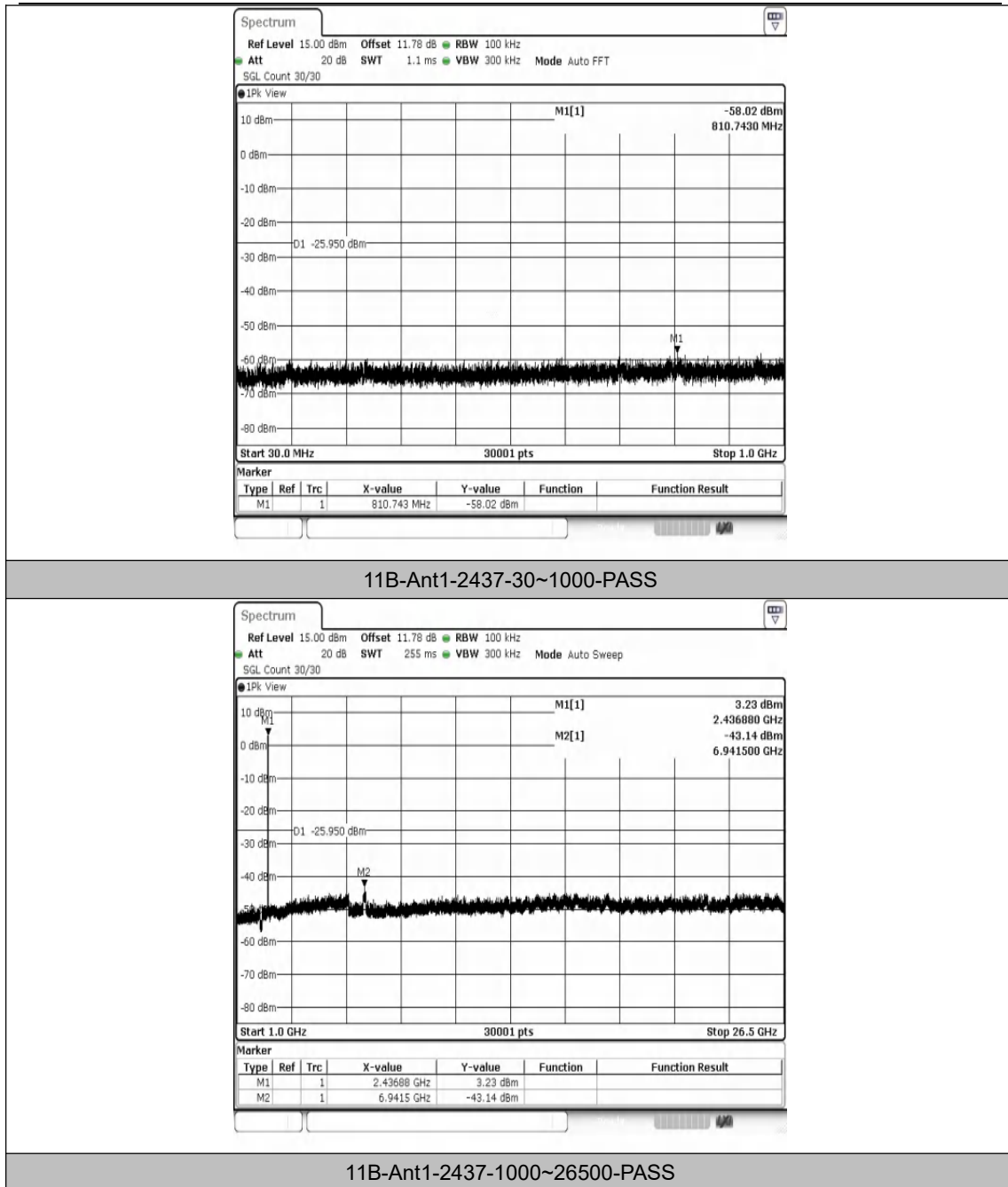


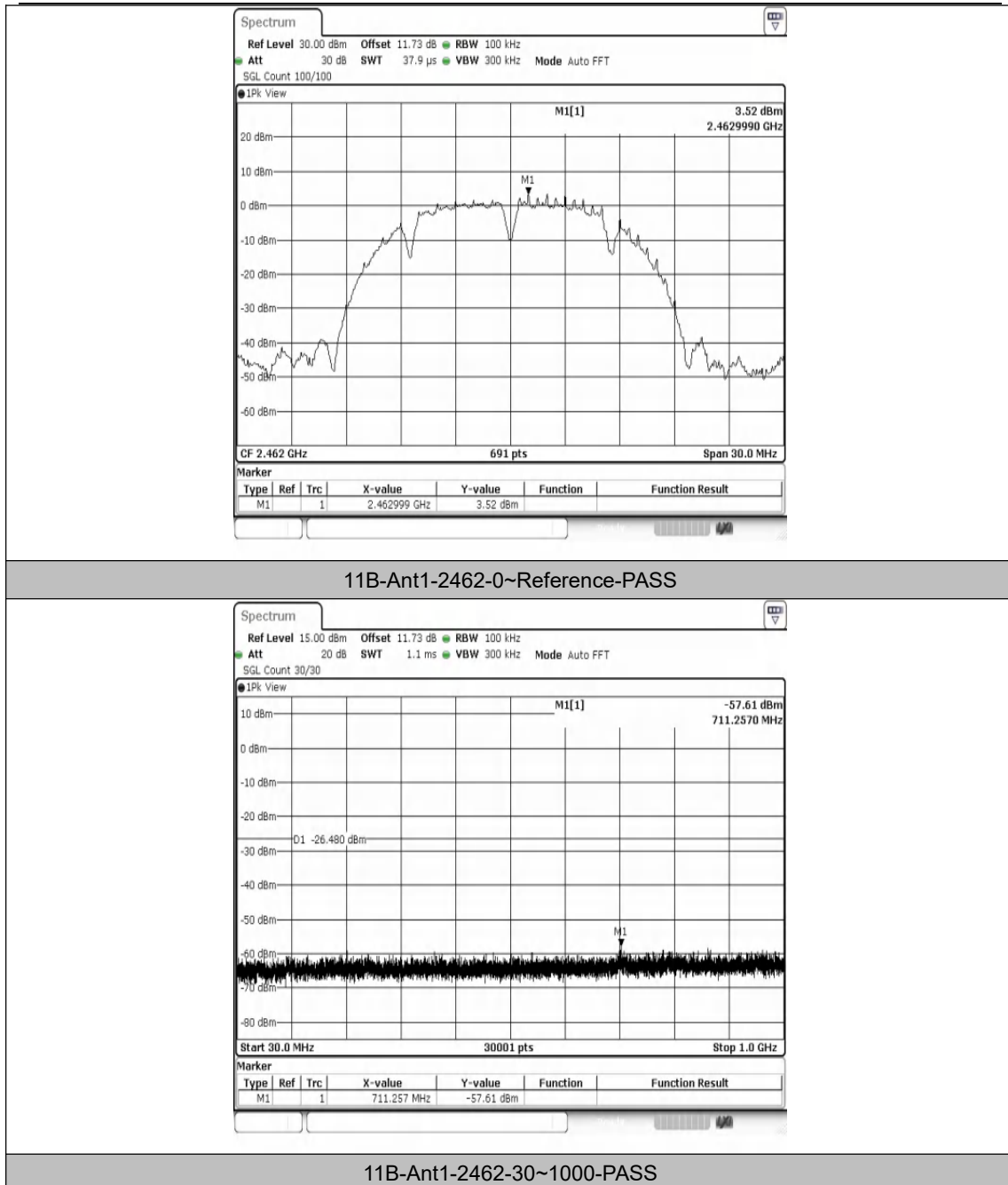
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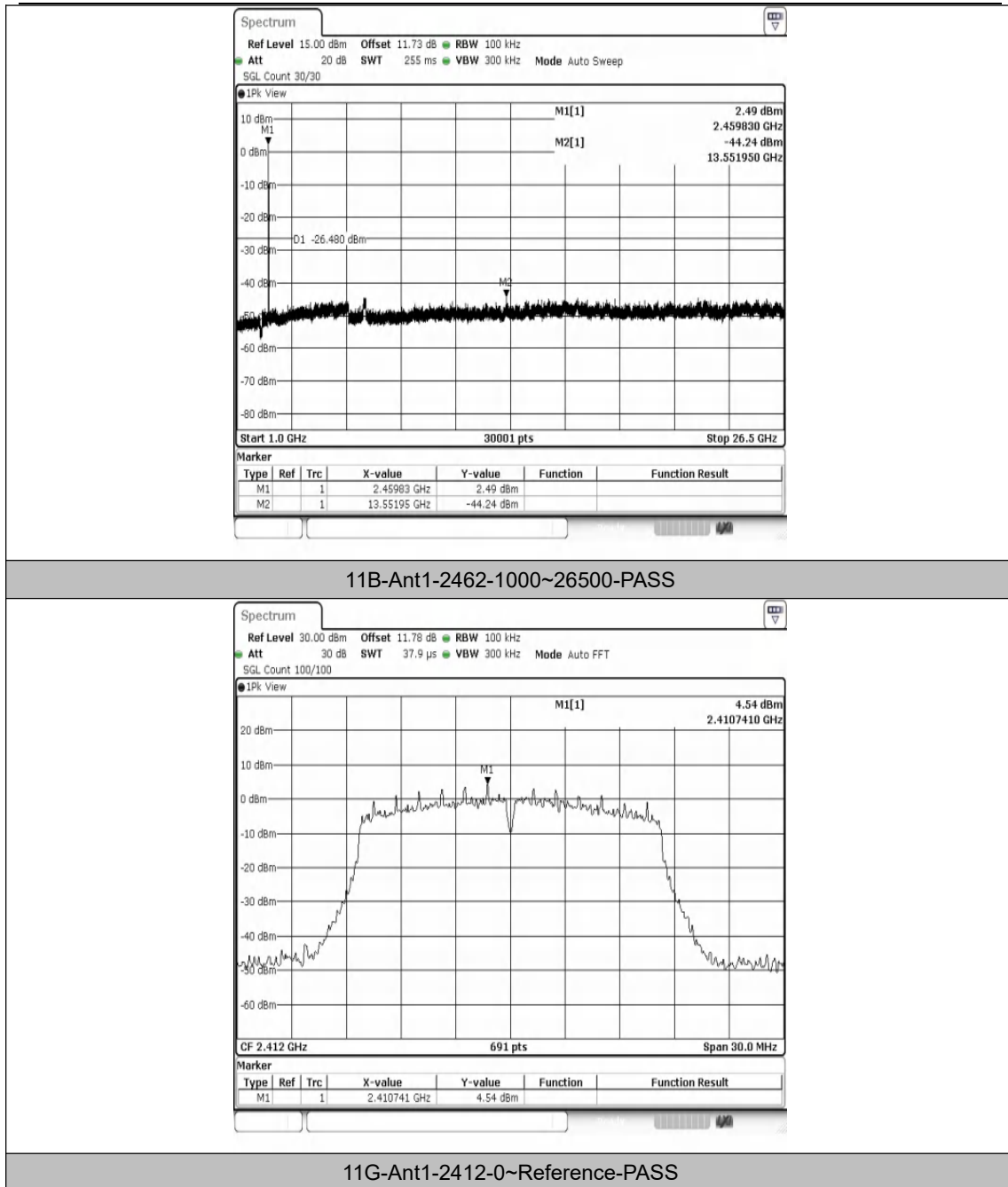
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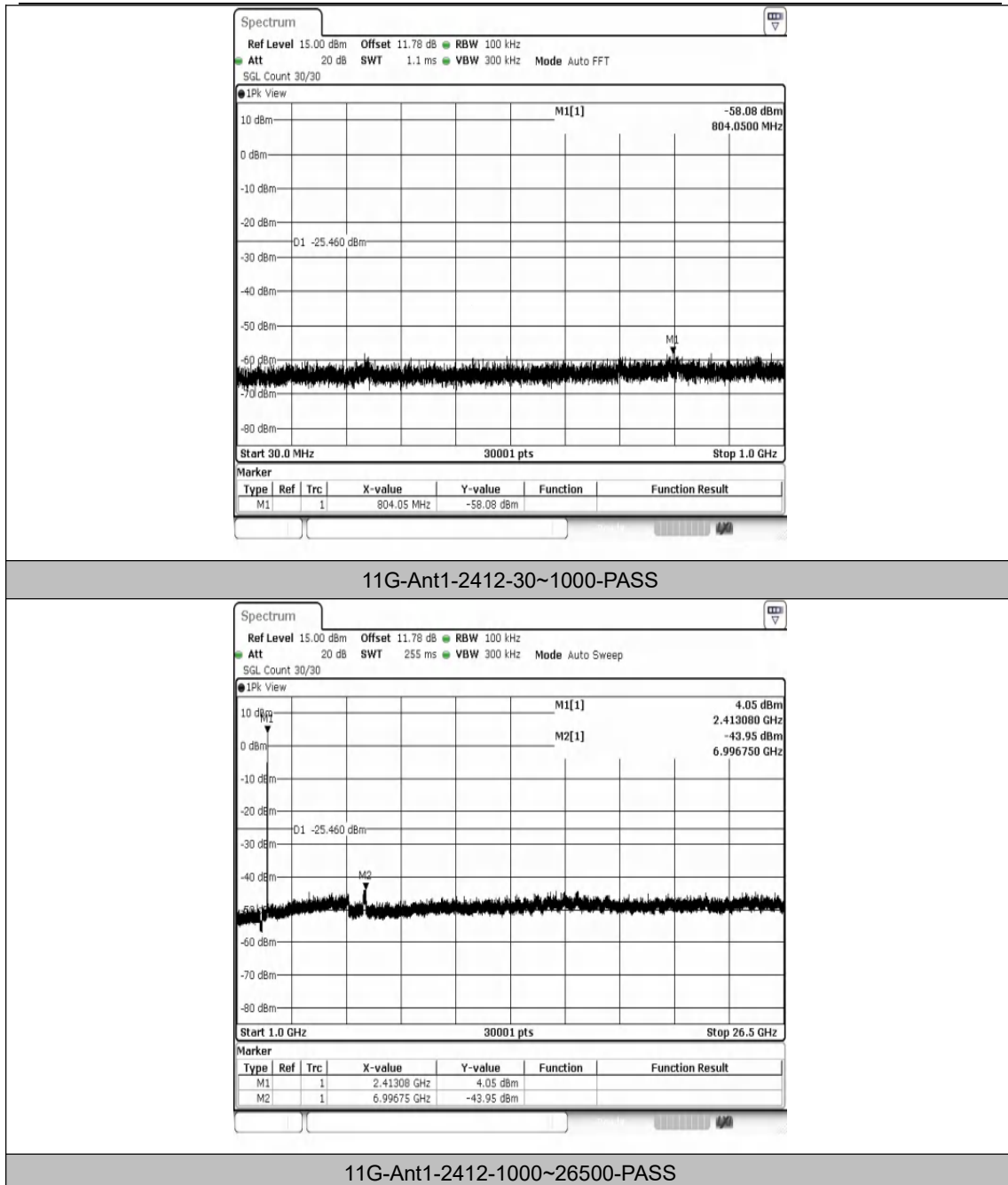
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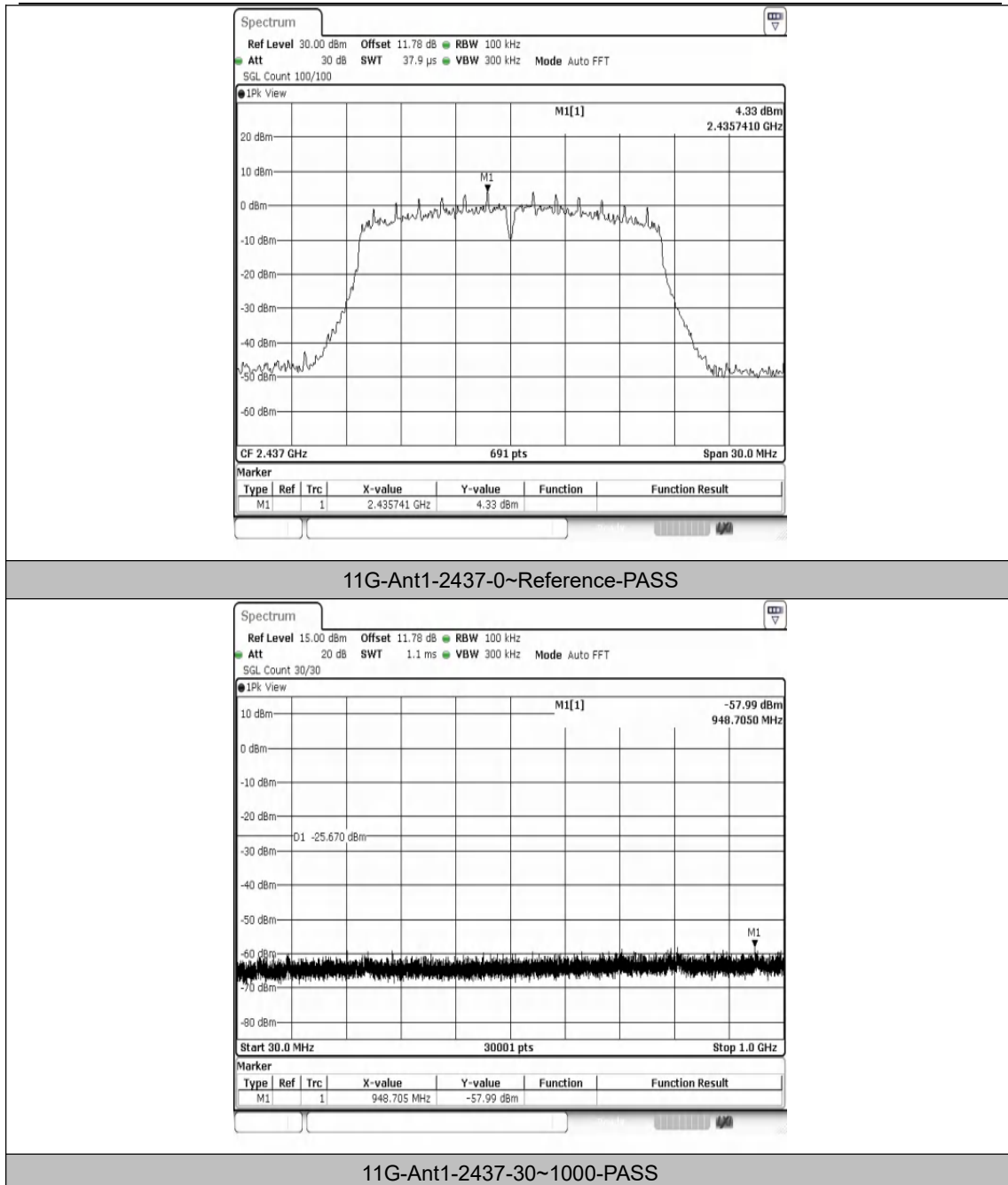


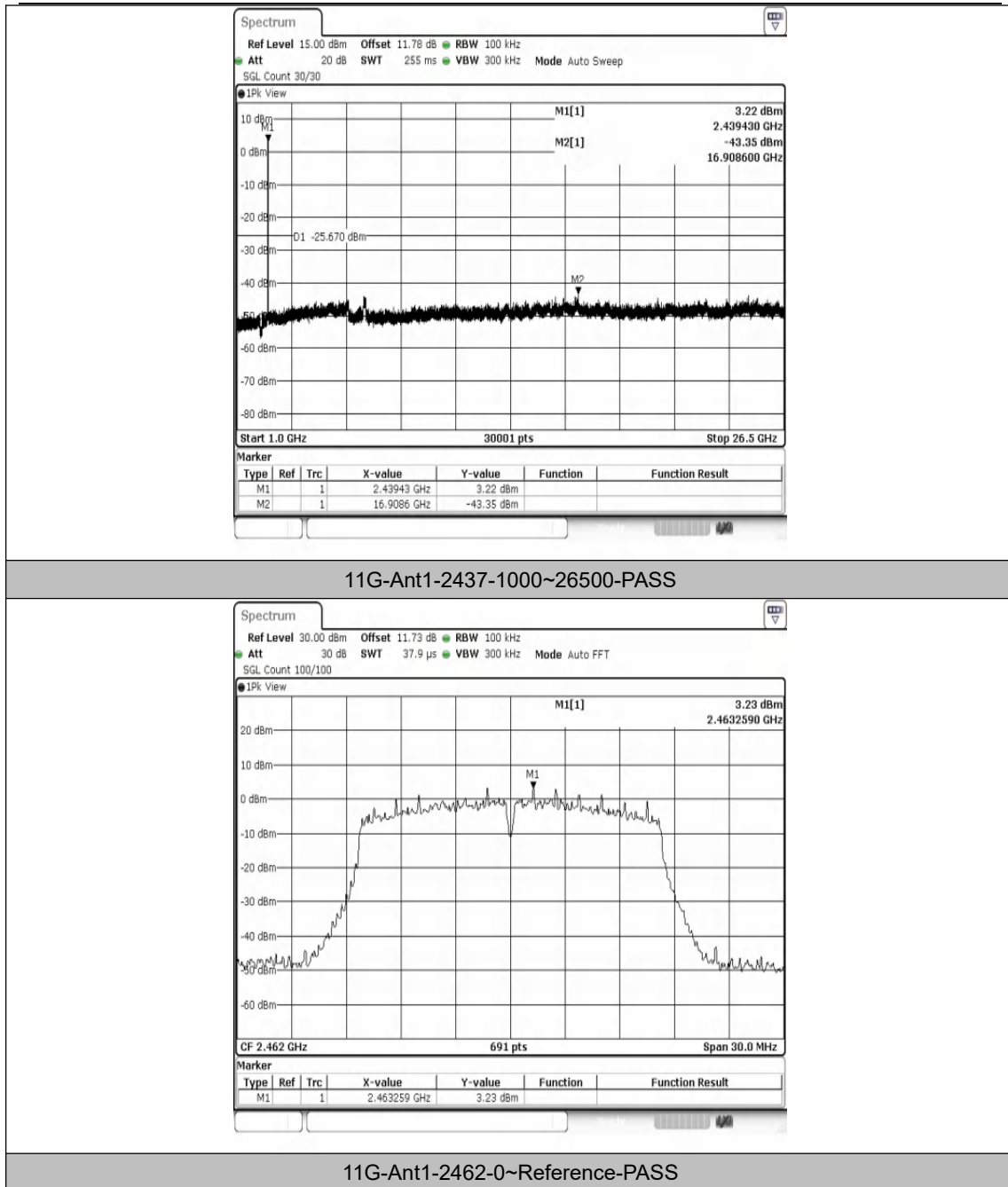


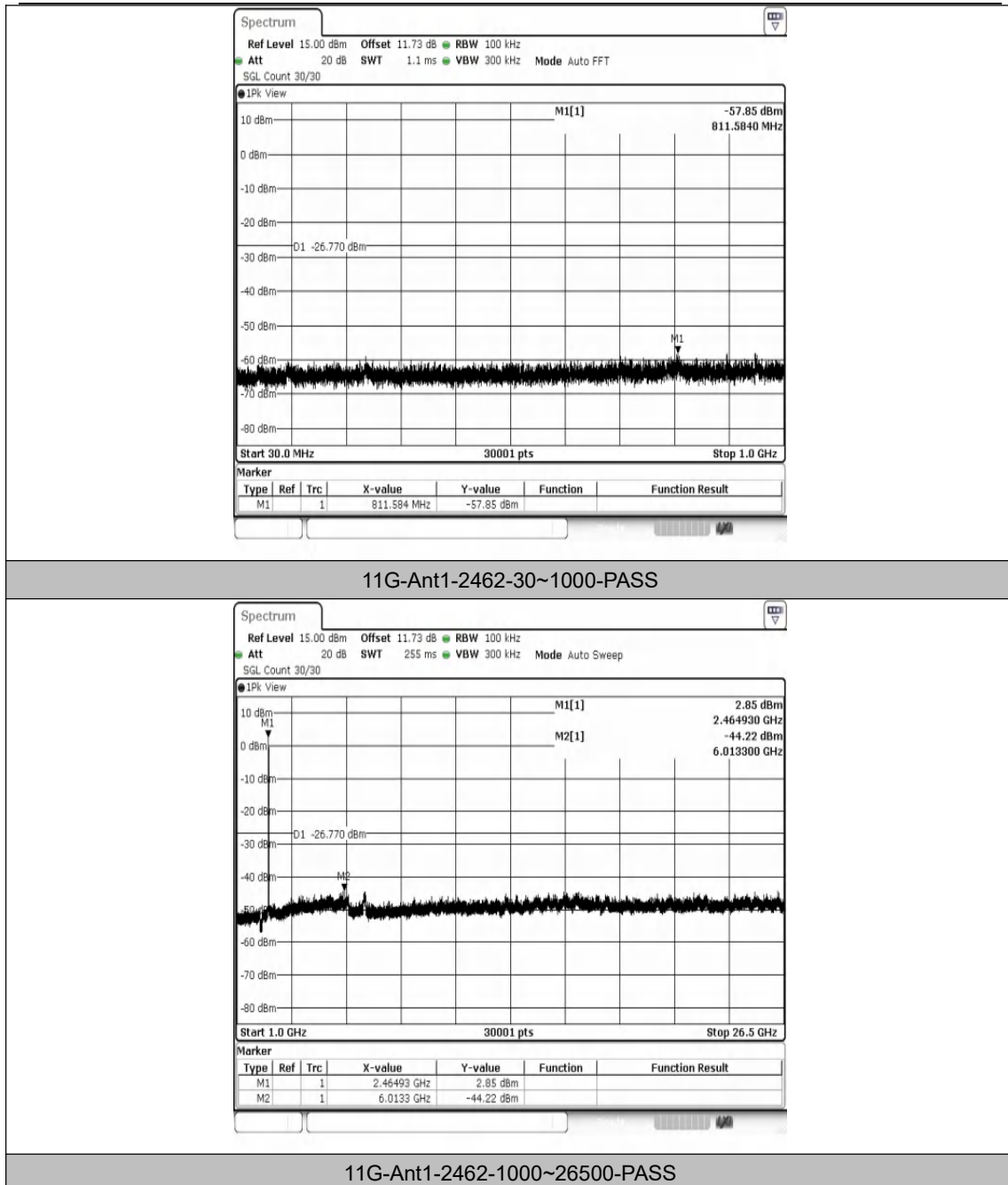


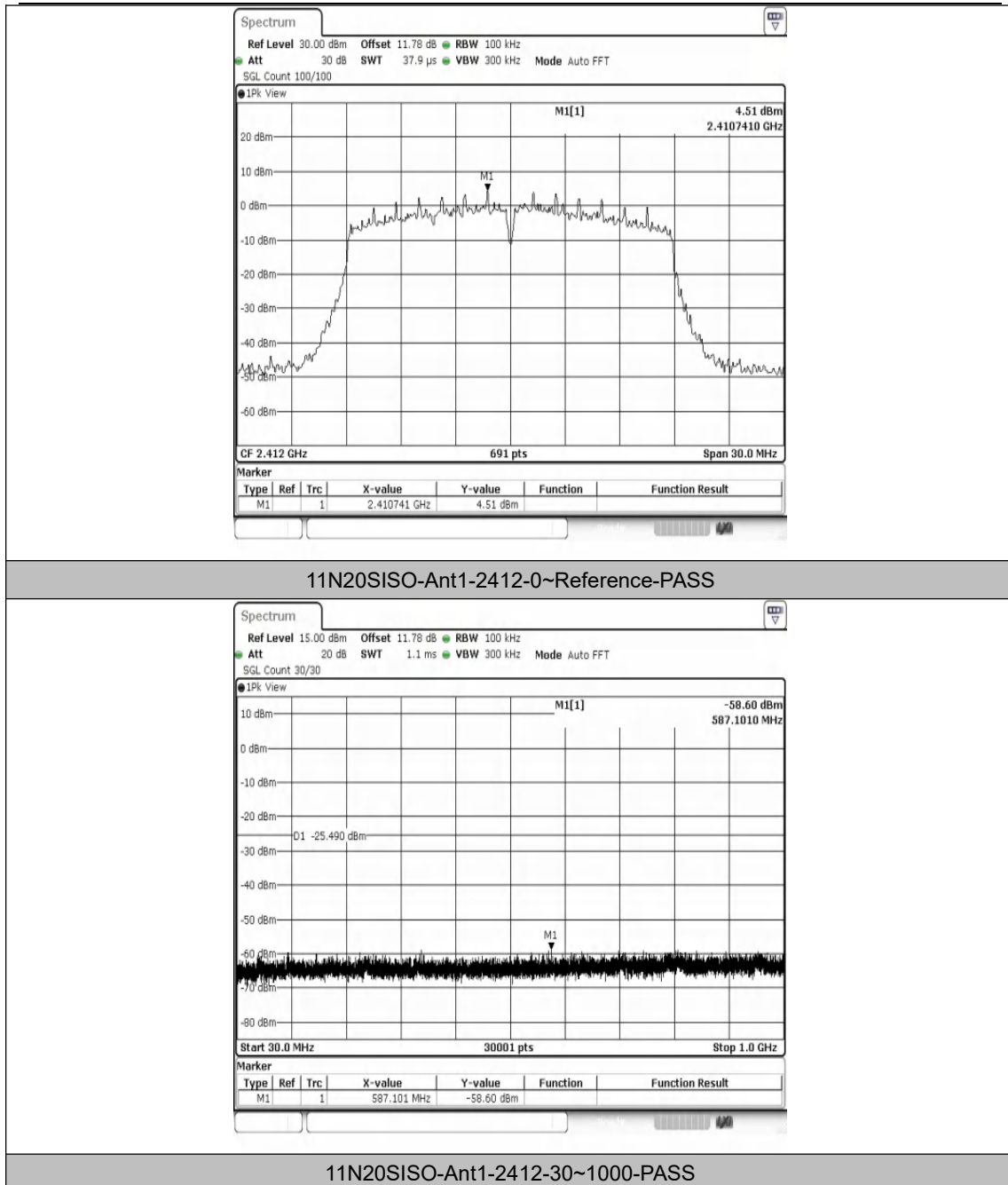


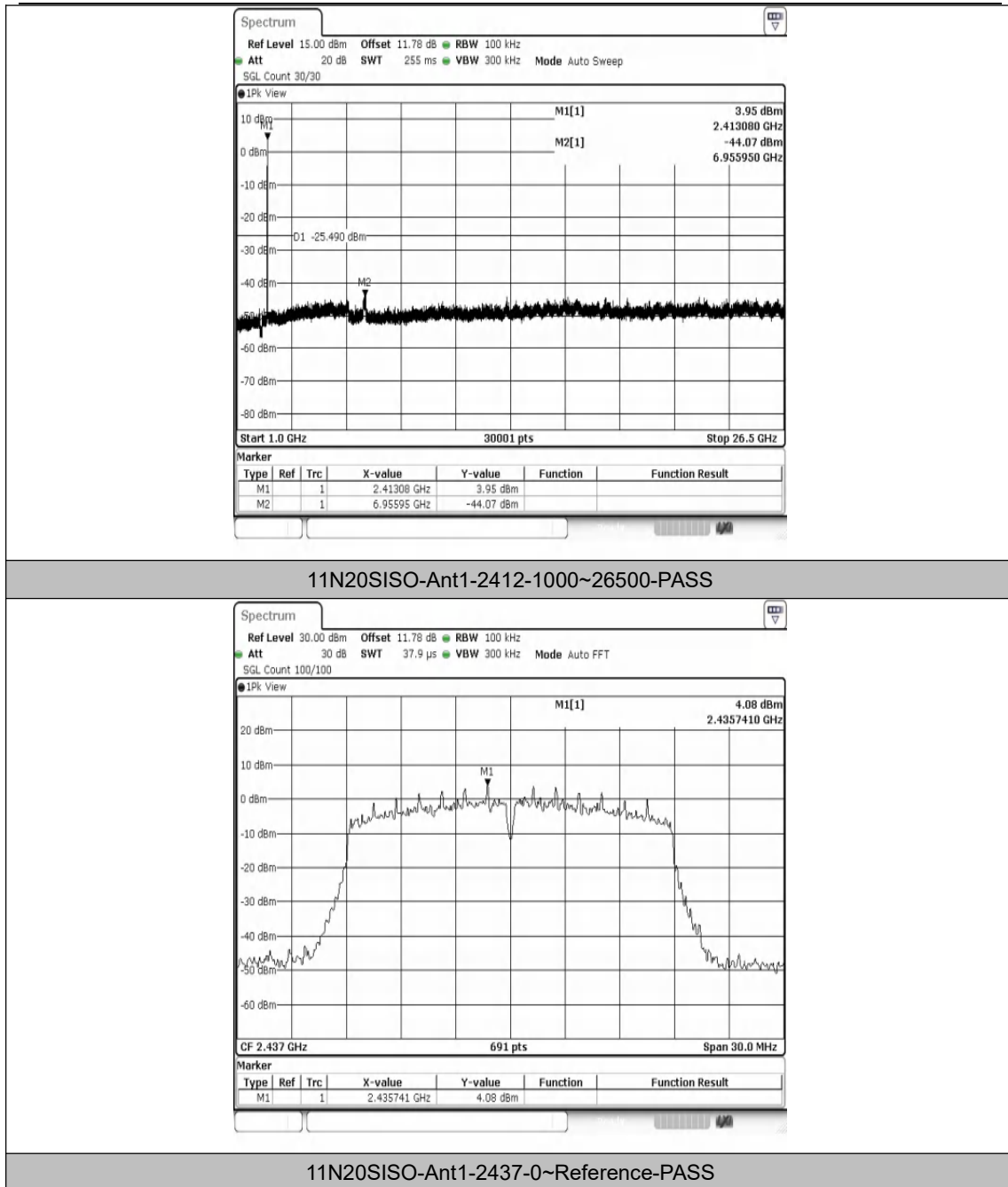


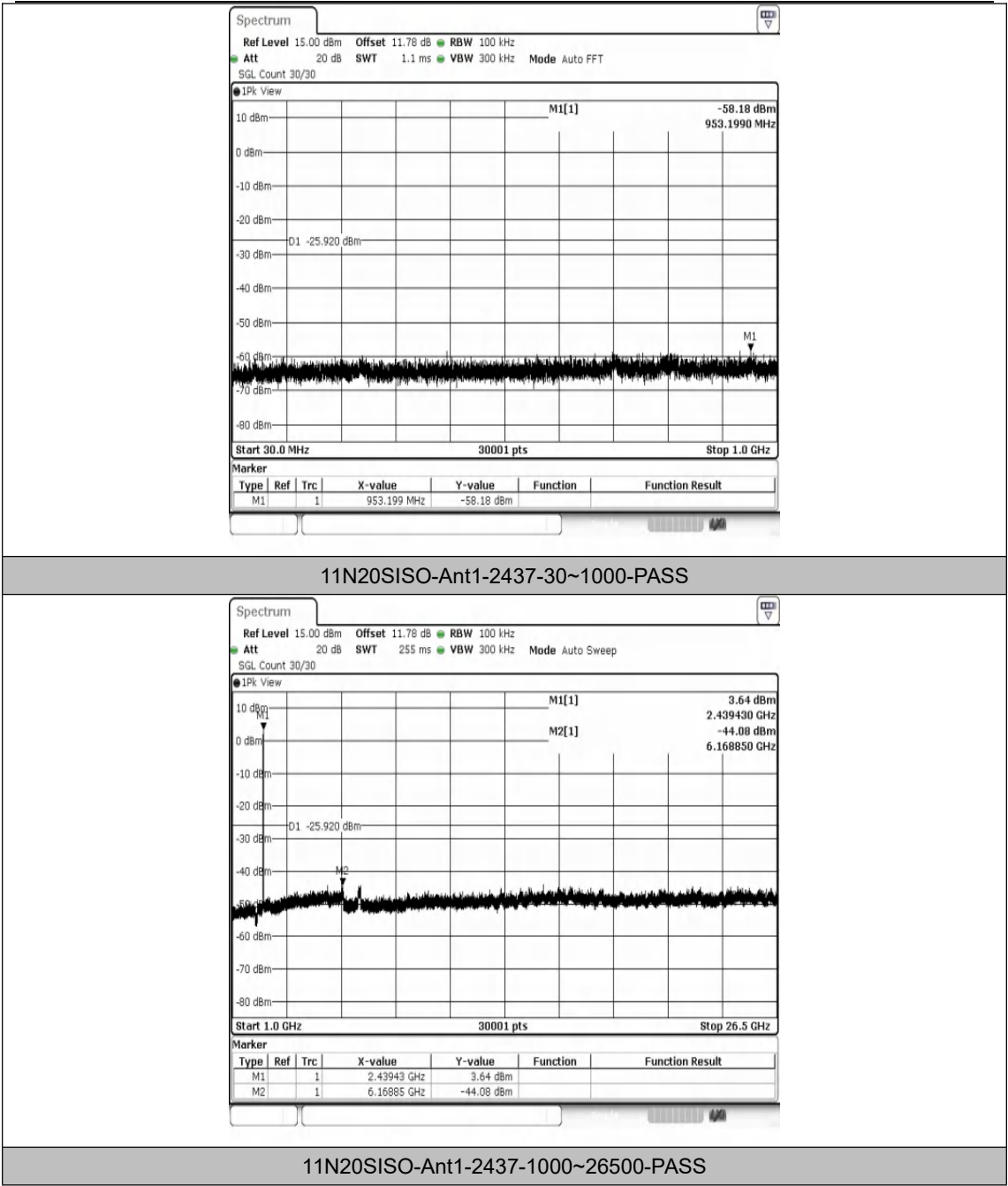


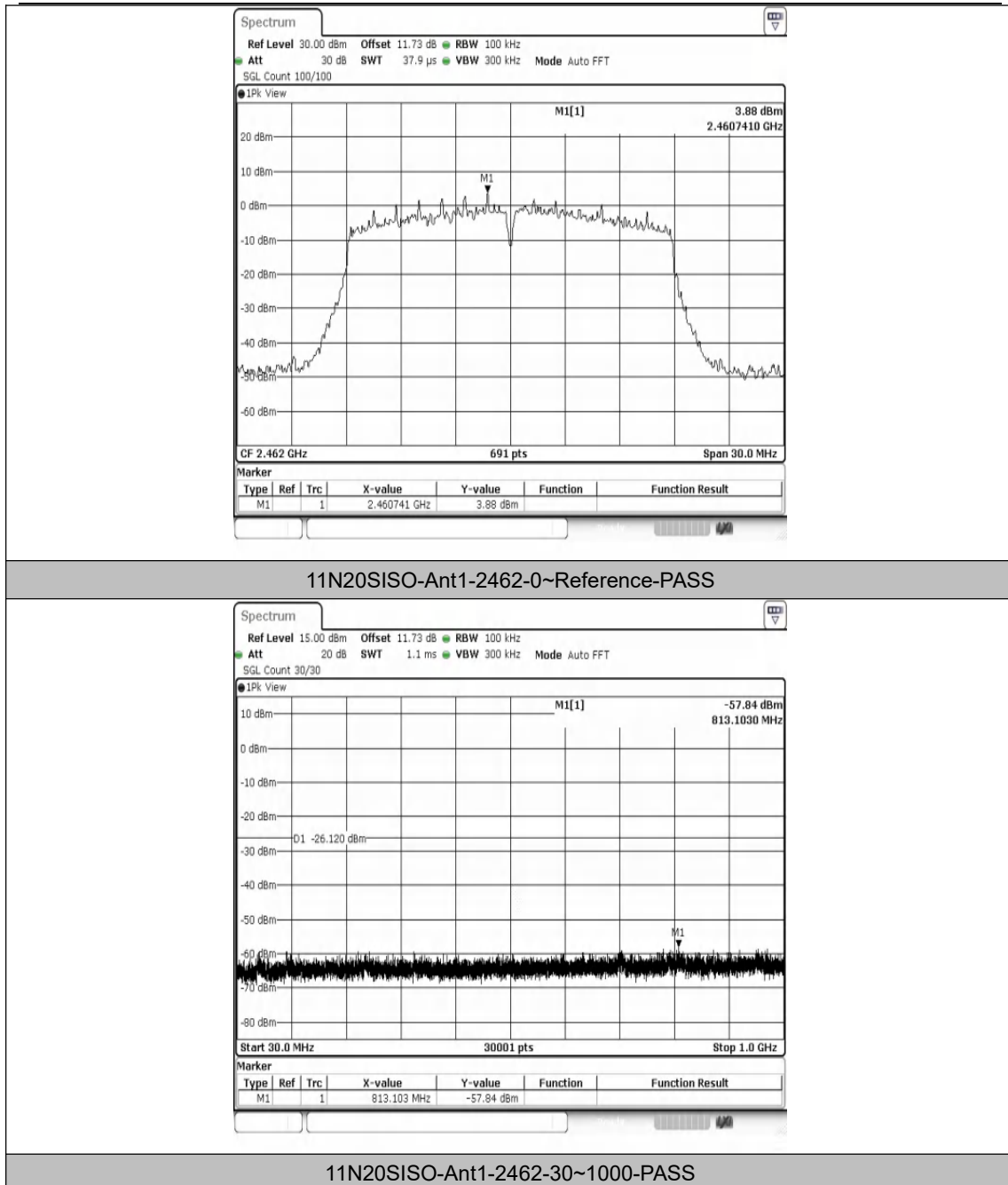








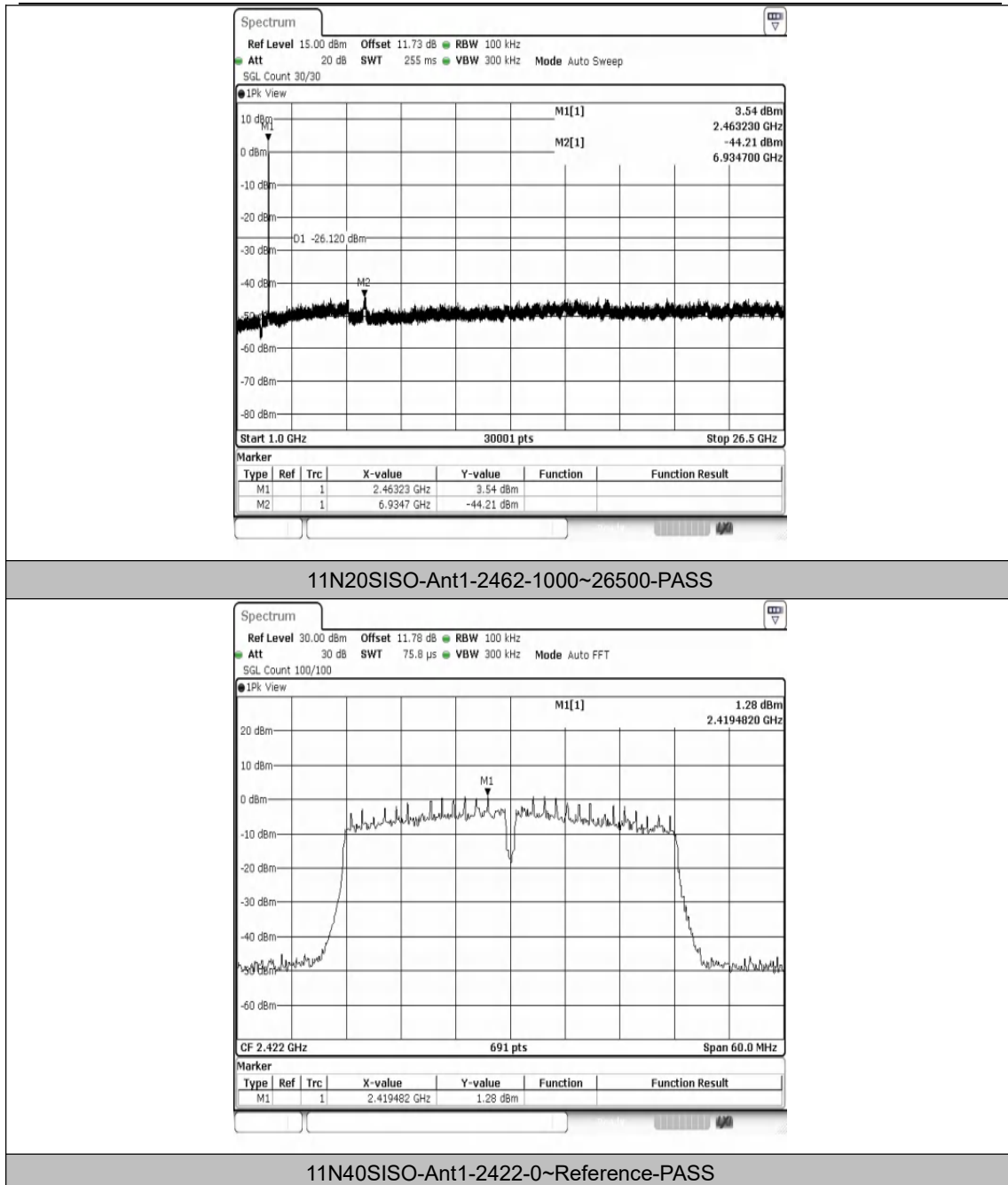




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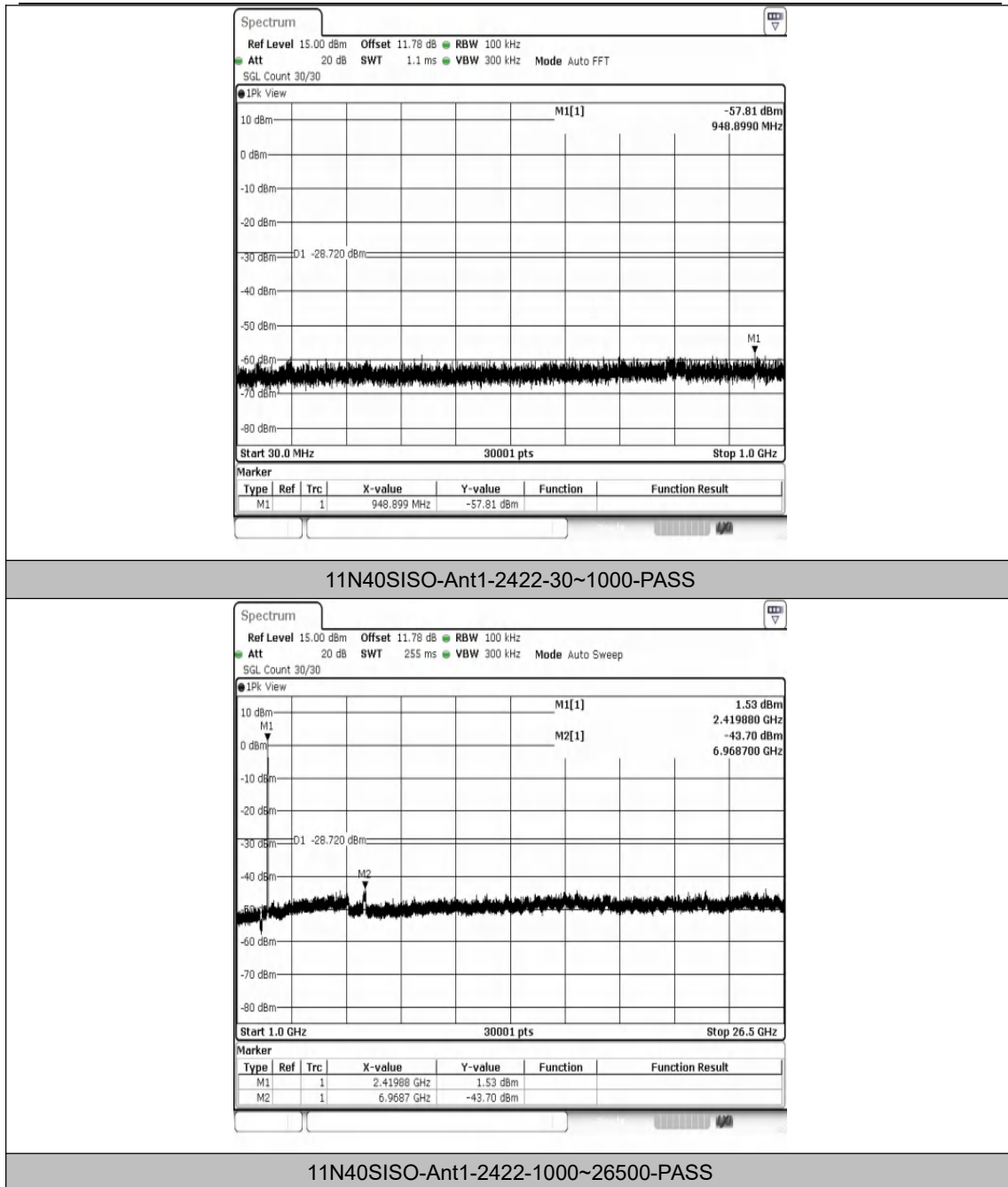
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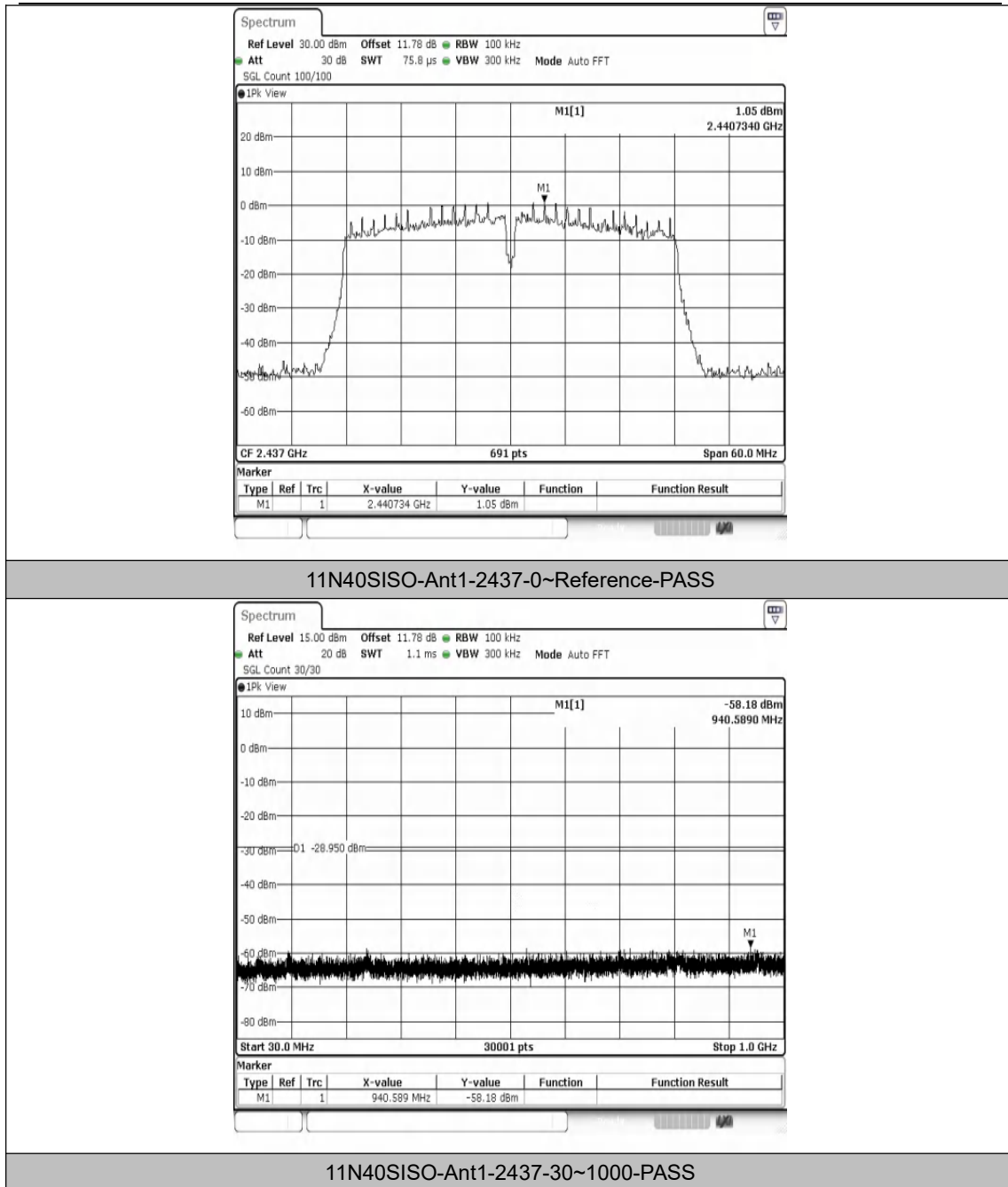
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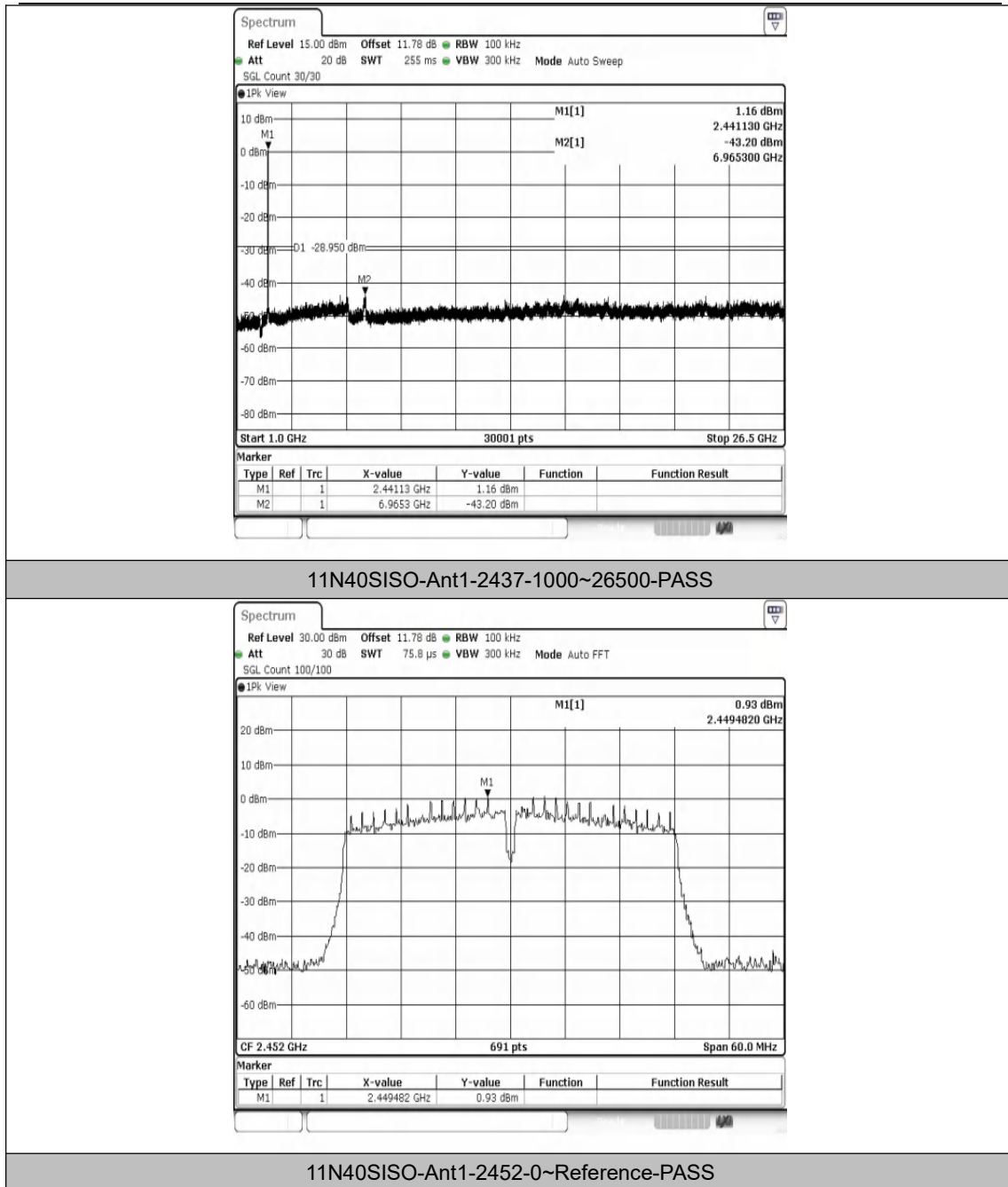


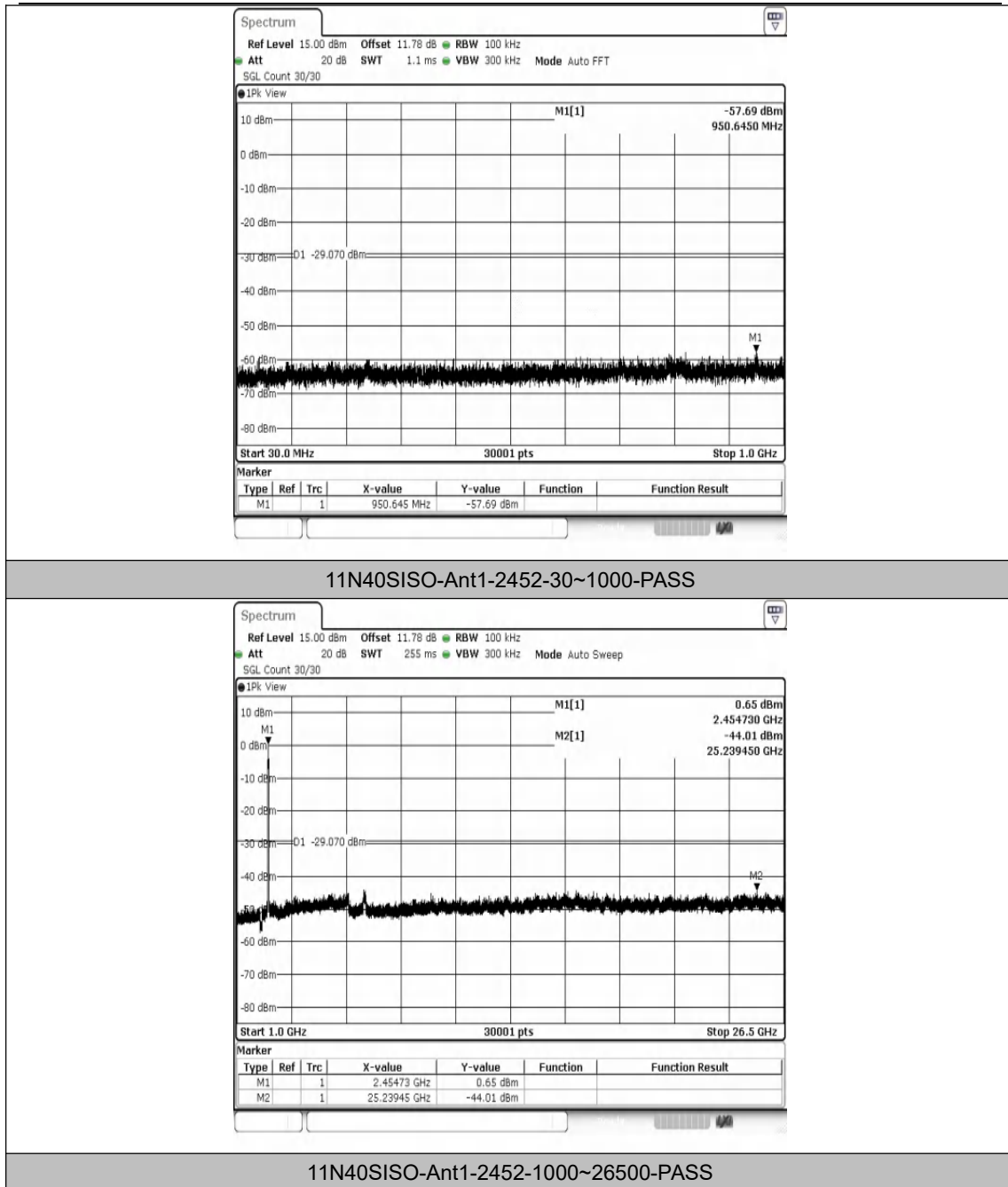
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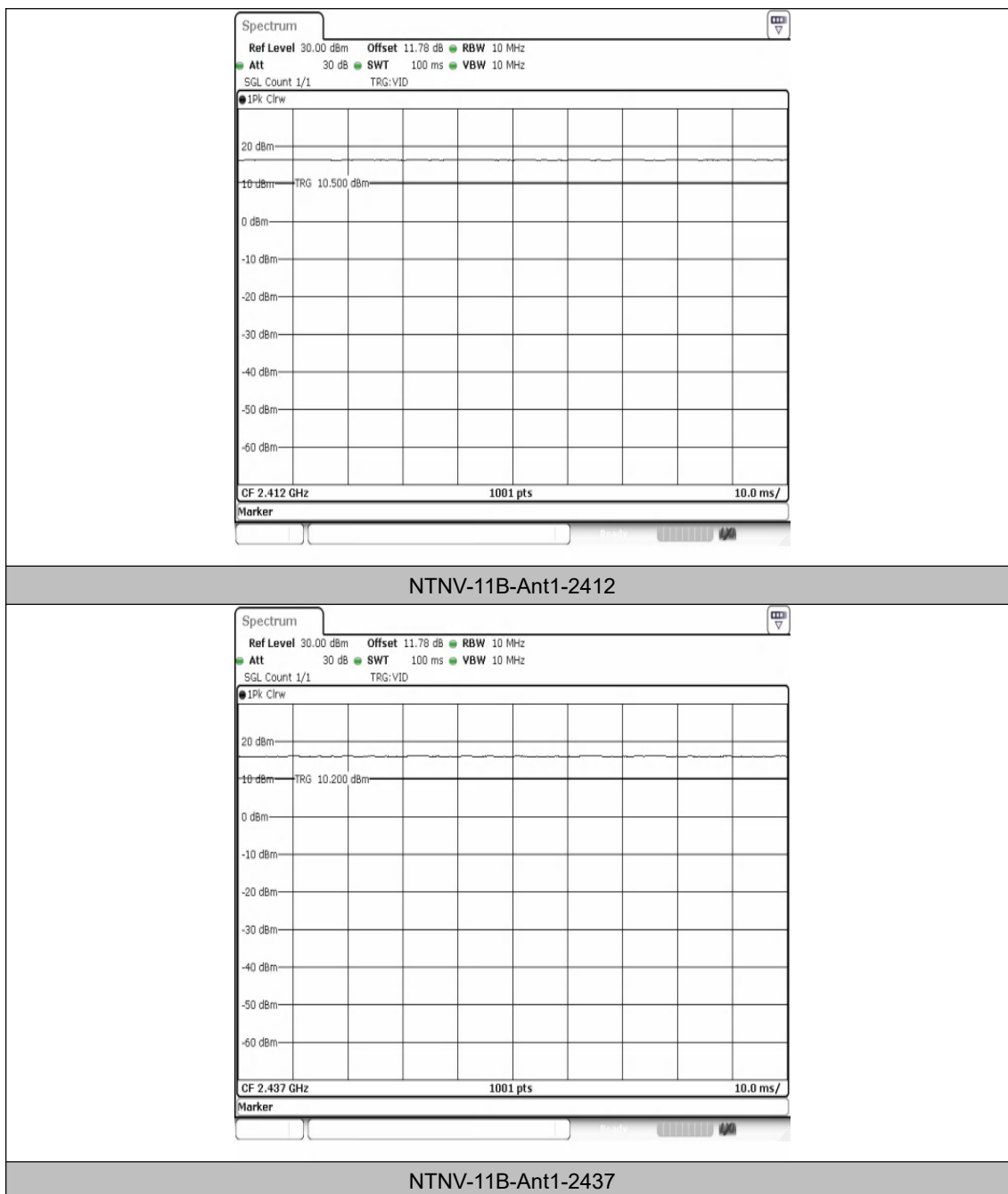
Appendix F: Duty Cycle

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



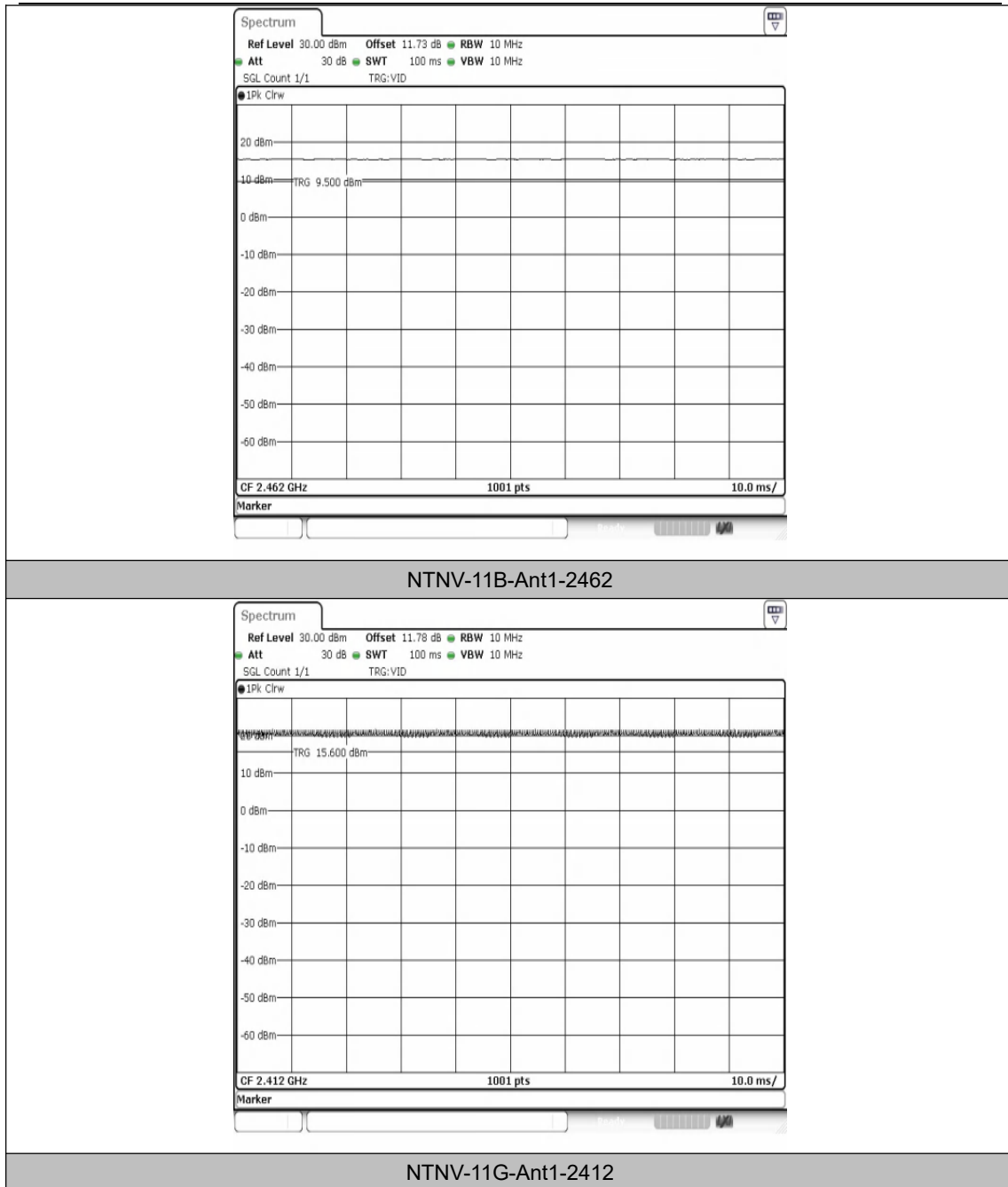
Test Graphs



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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

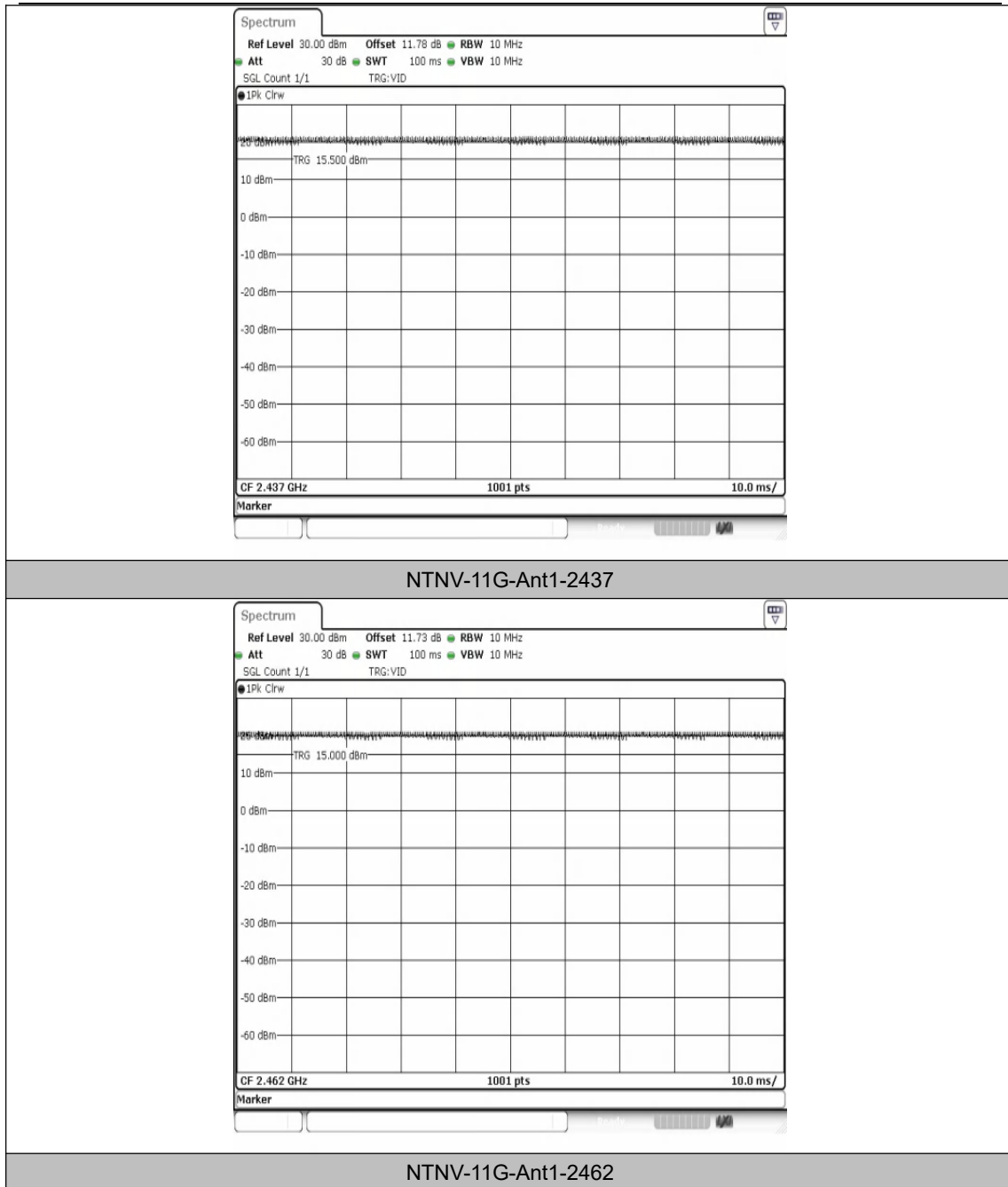
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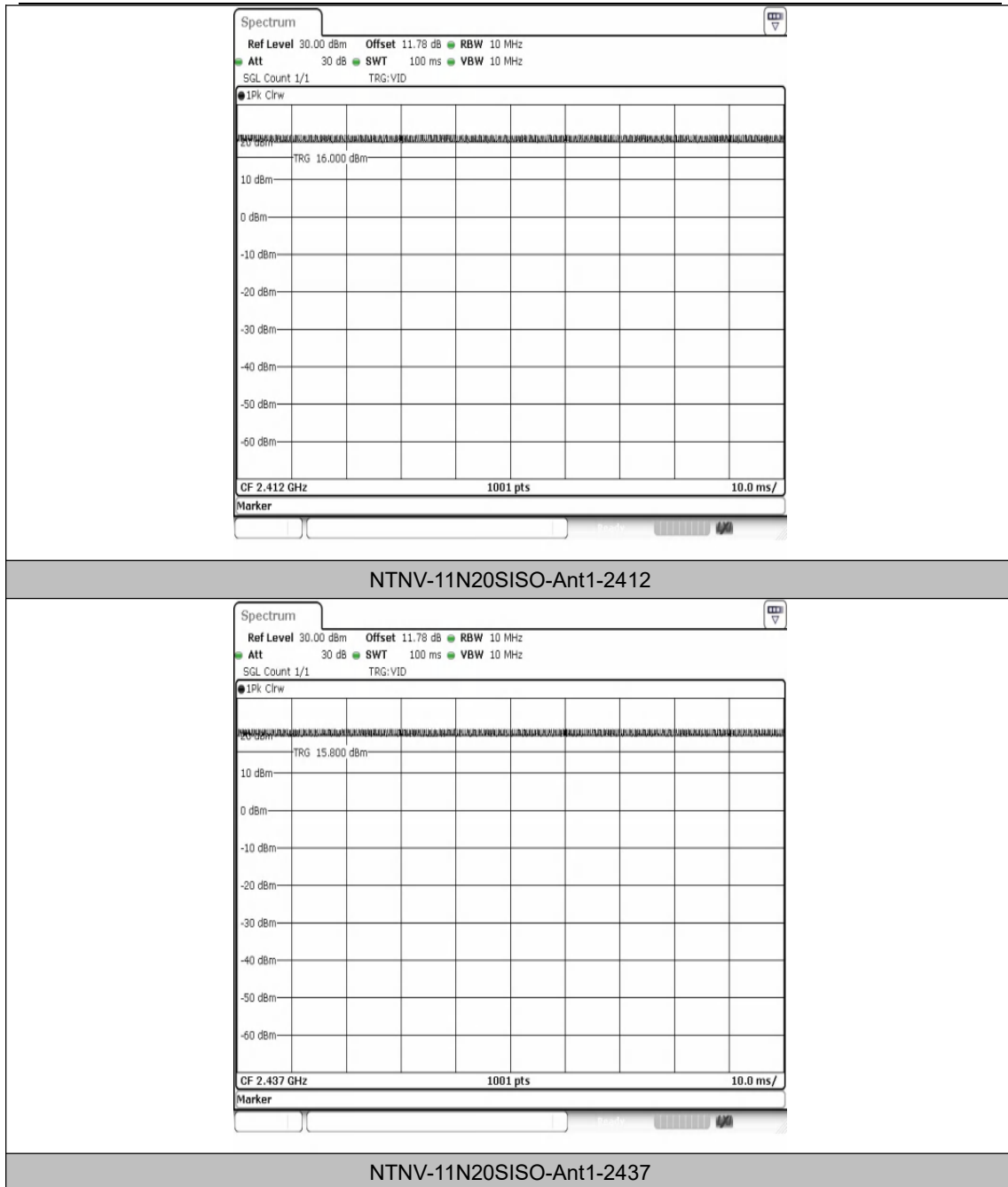
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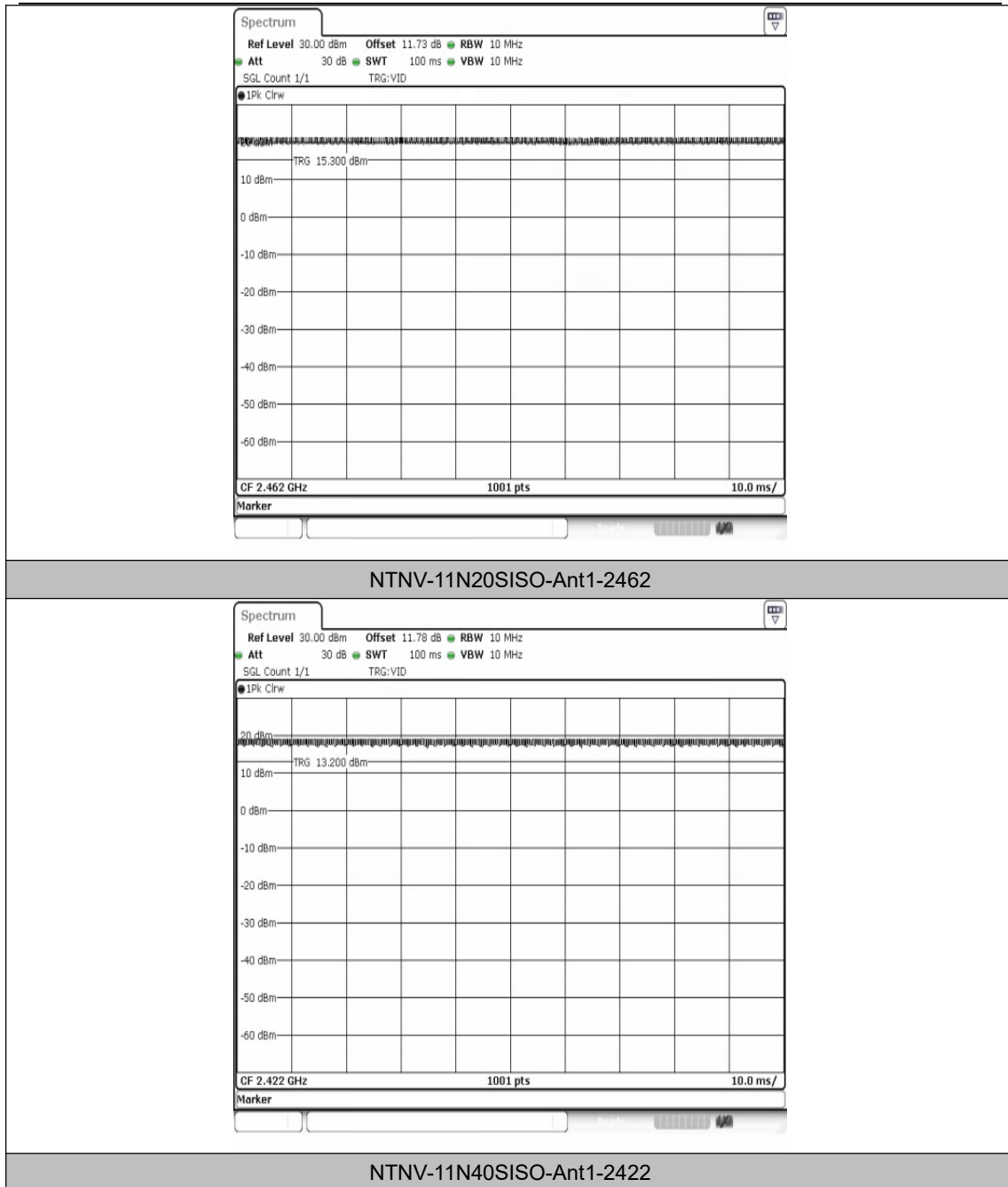
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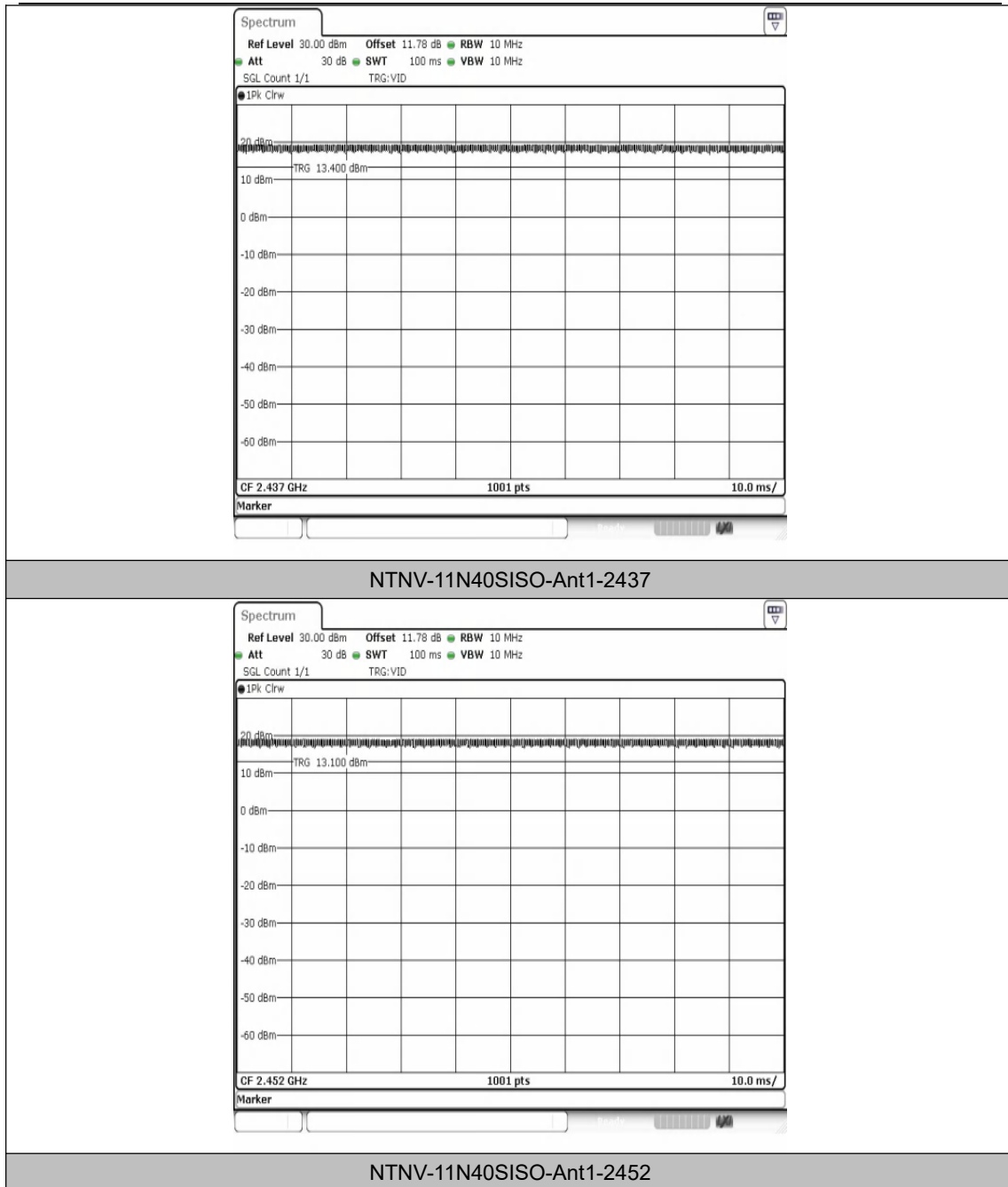
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