

Appendix Test Data

Report No:	1821C40008112501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.24	Finish Test Date:	2024.9.24
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.5°C	Relative Humidity:	57%
Pressure:	101 kPa		

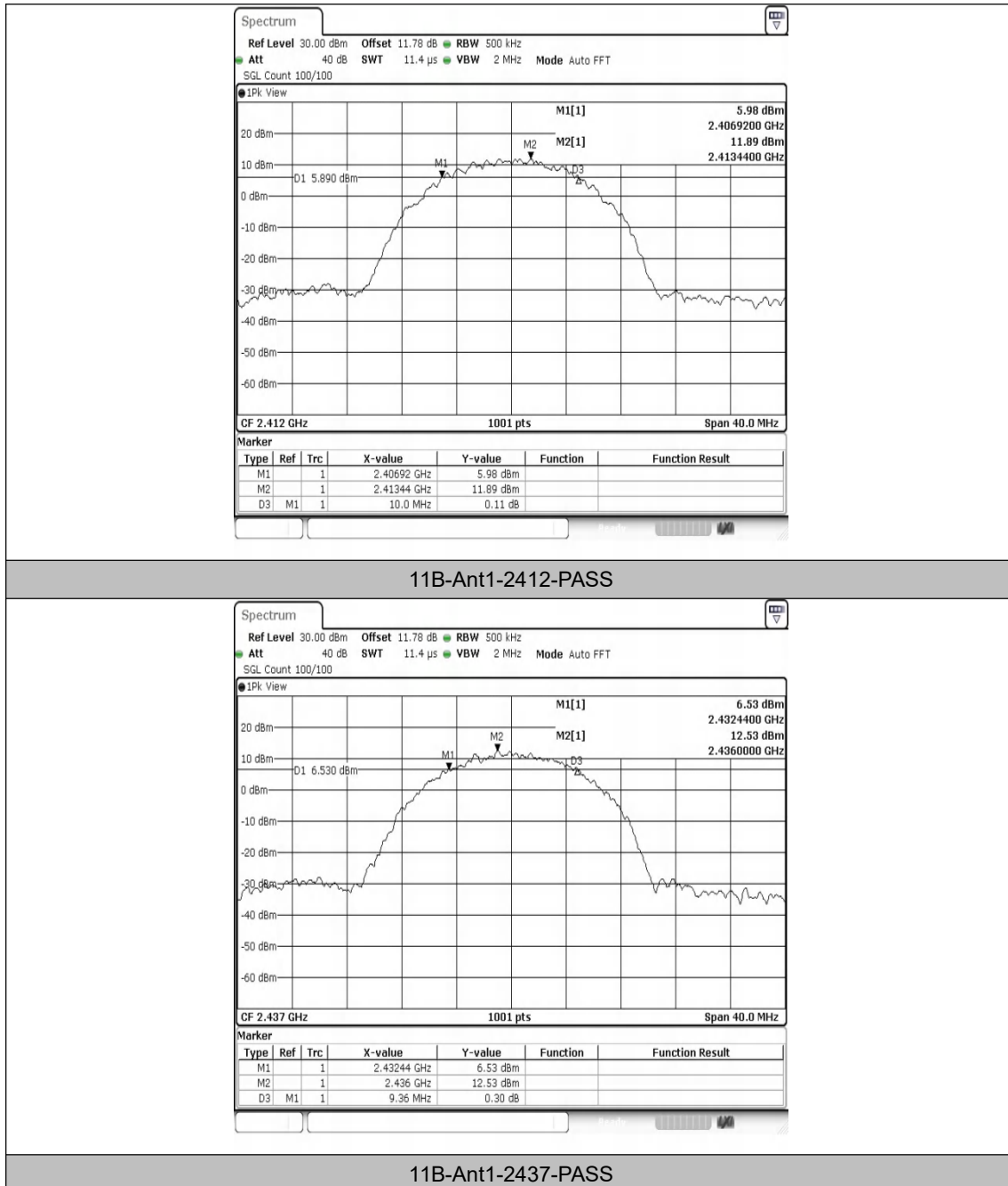
Appendix A: DTS Bandwidth

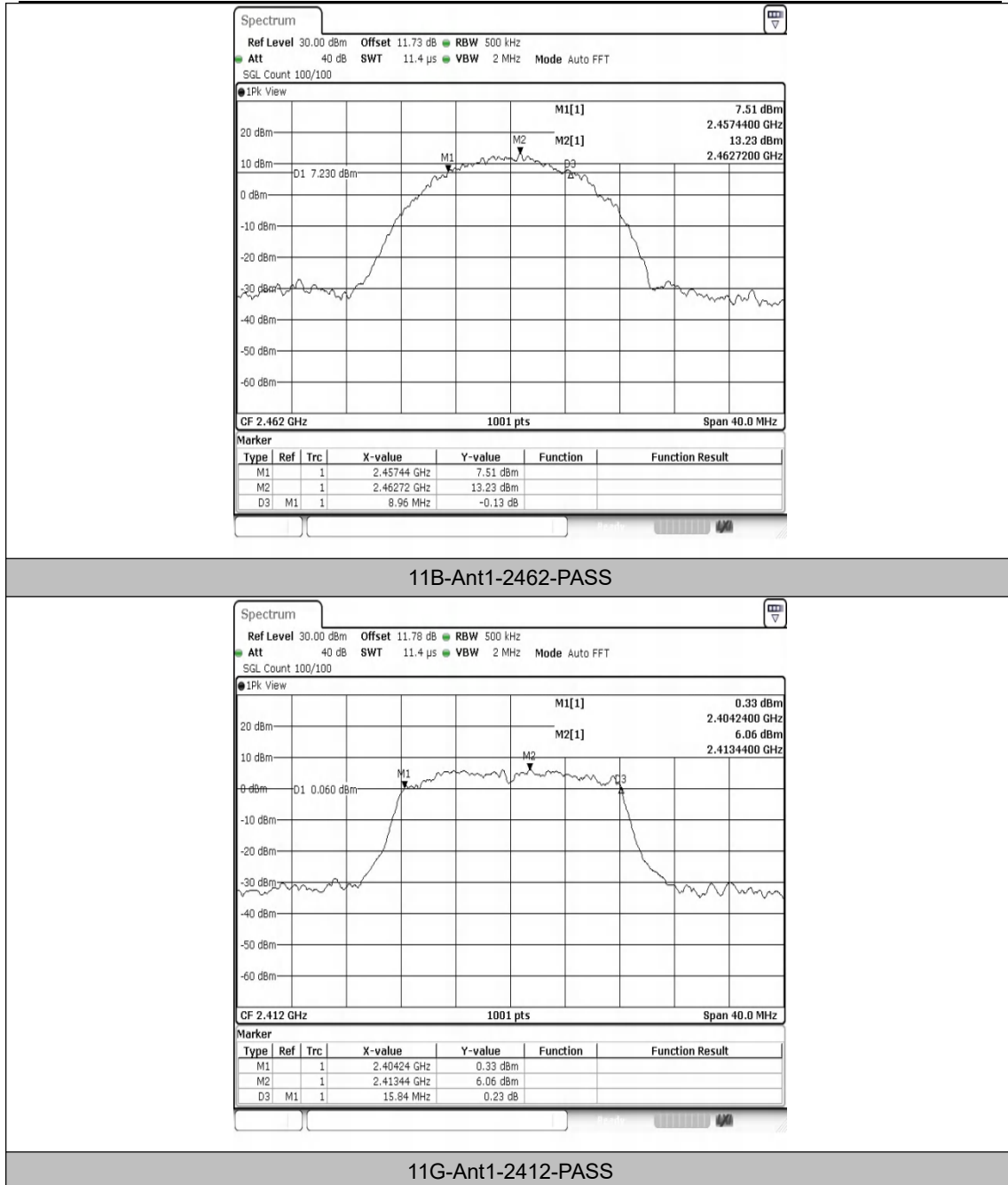
Test Result

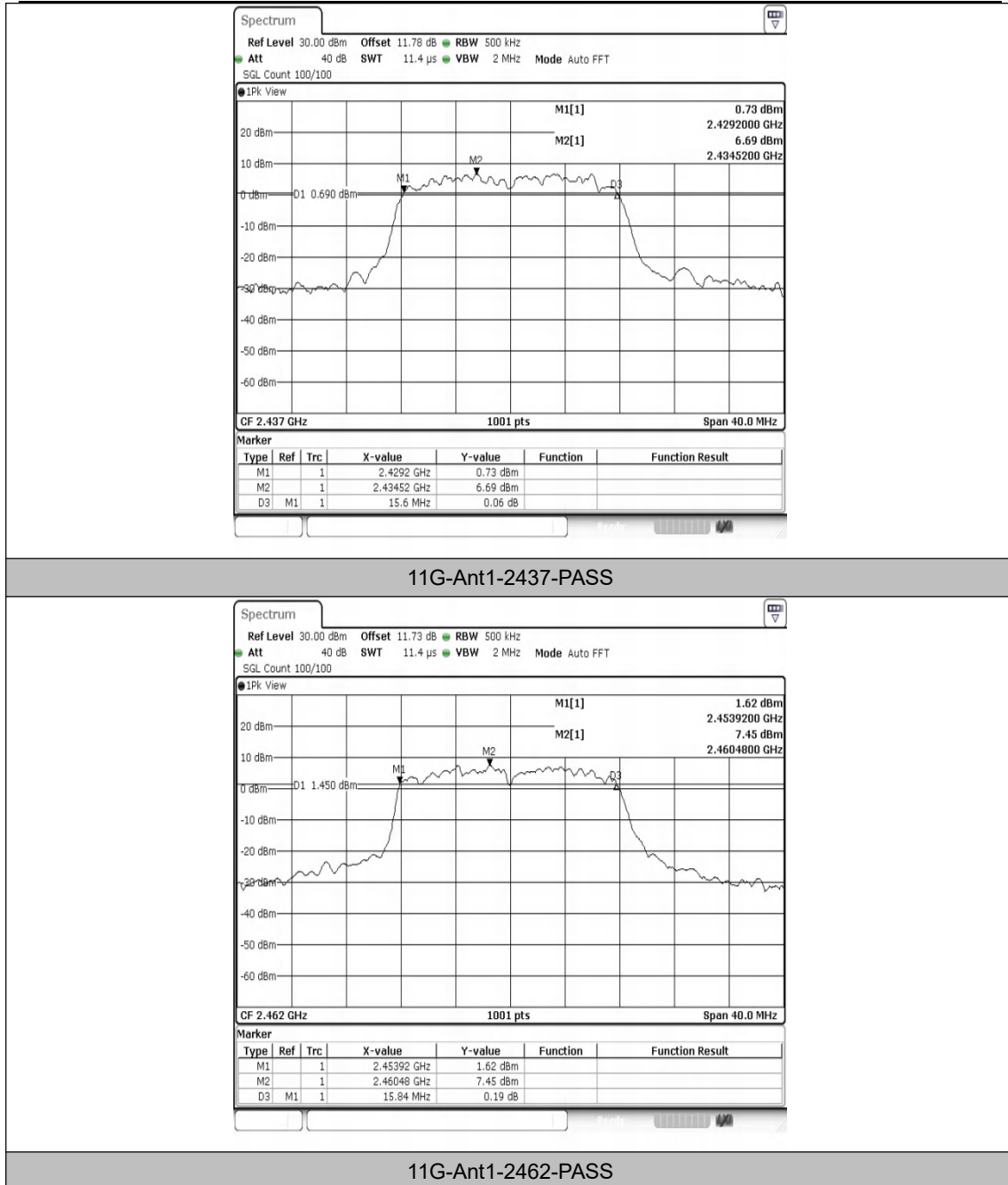
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.00	2406.92	2416.92	0.5	PASS
11B	Ant1	2437	9.36	2432.44	2441.80	0.5	PASS
11B	Ant1	2462	8.96	2457.44	2466.40	0.5	PASS
11G	Ant1	2412	15.84	2404.24	2420.08	0.5	PASS
11G	Ant1	2437	15.60	2429.20	2444.80	0.5	PASS
11G	Ant1	2462	15.84	2453.92	2469.76	0.5	PASS
11N20SISO	Ant1	2412	15.40	2404.24	2419.64	0.5	PASS
11N20SISO	Ant1	2437	16.24	2428.72	2444.96	0.5	PASS
11N20SISO	Ant1	2462	15.64	2454.08	2469.72	0.5	PASS
11N40SISO	Ant1	2422	33.68	2405.12	2438.80	0.5	PASS
11N40SISO	Ant1	2437	31.76	2421.64	2453.40	0.5	PASS
11N40SISO	Ant1	2452	33.84	2435.04	2468.88	0.5	PASS

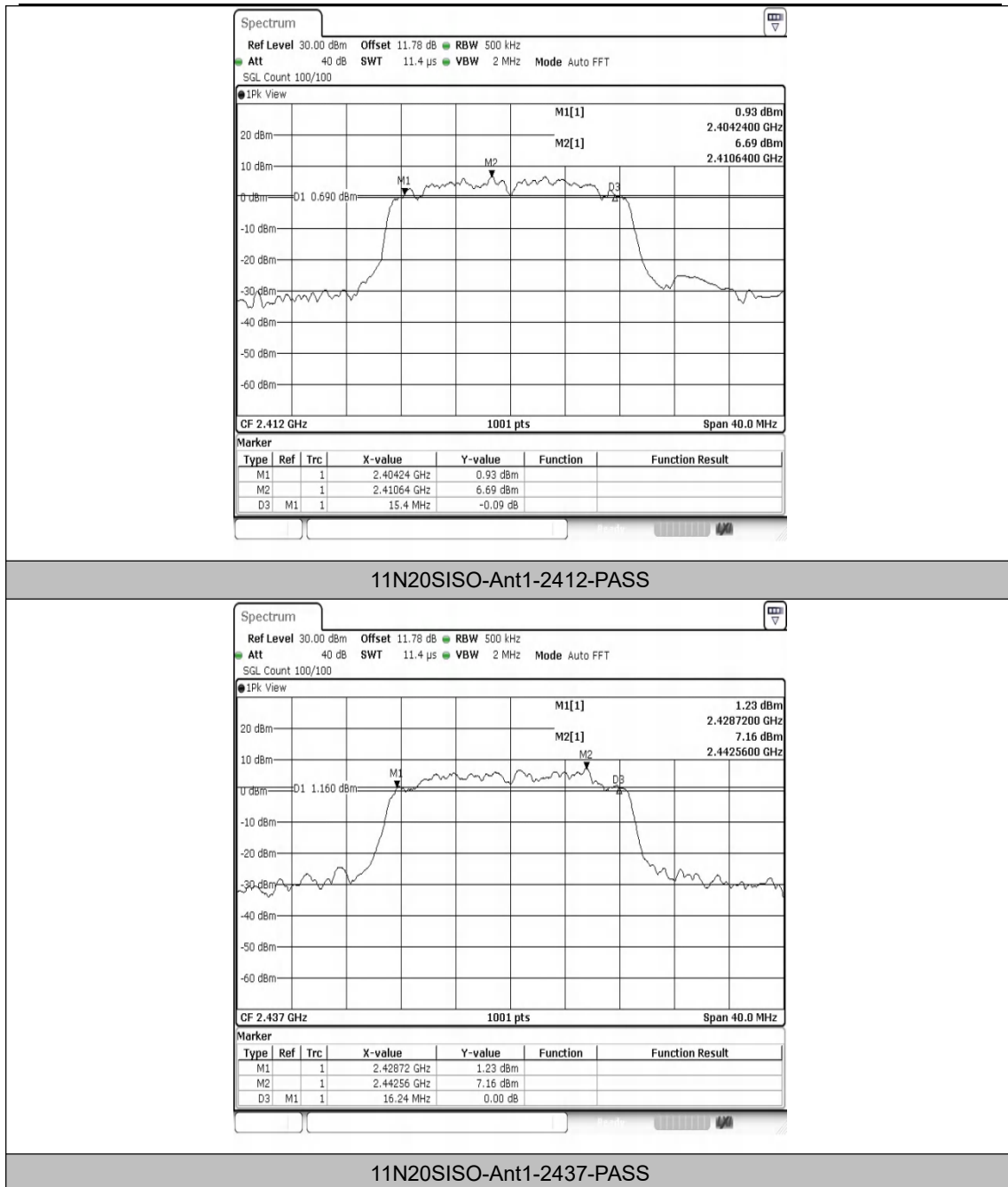


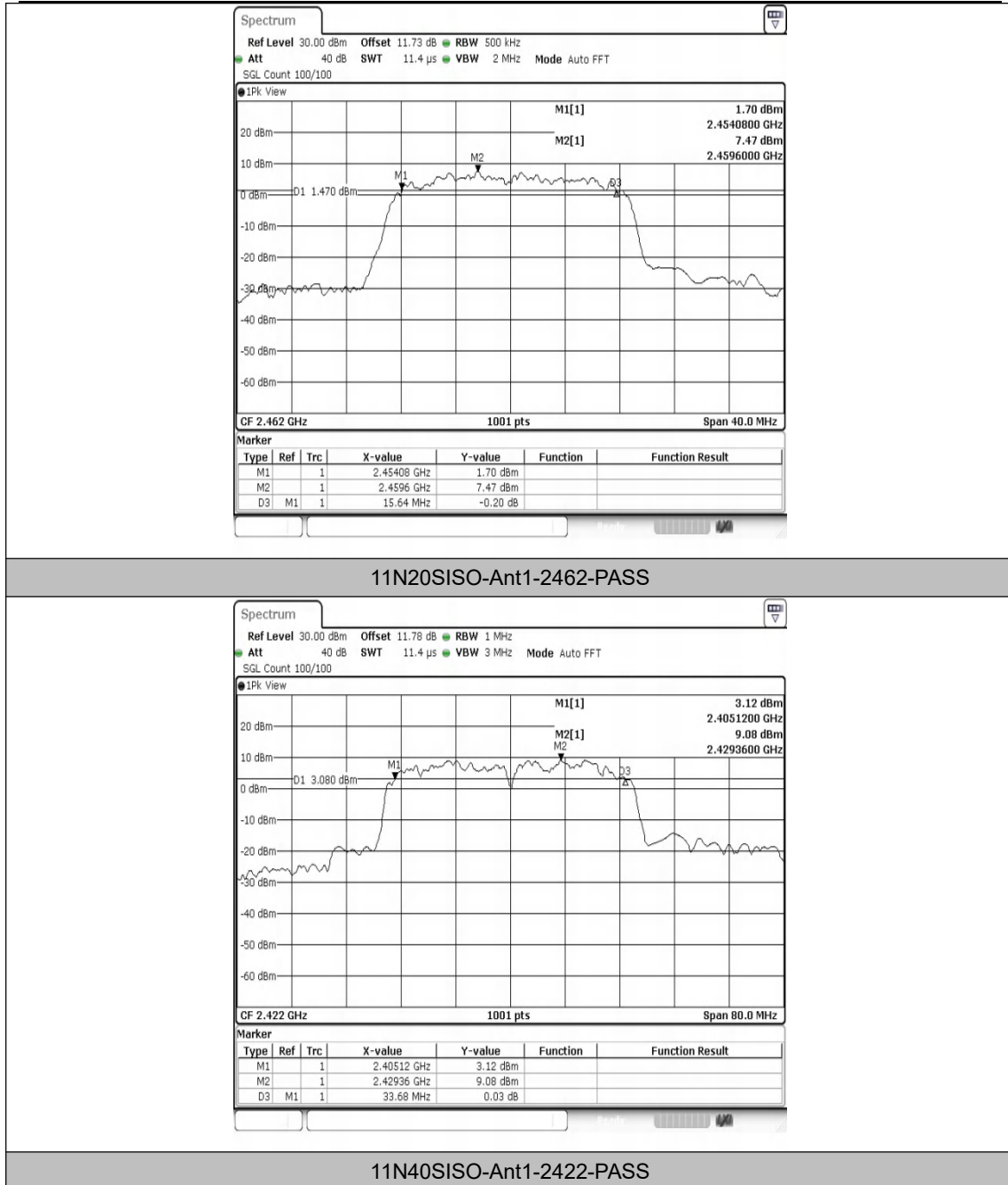
Test Graphs

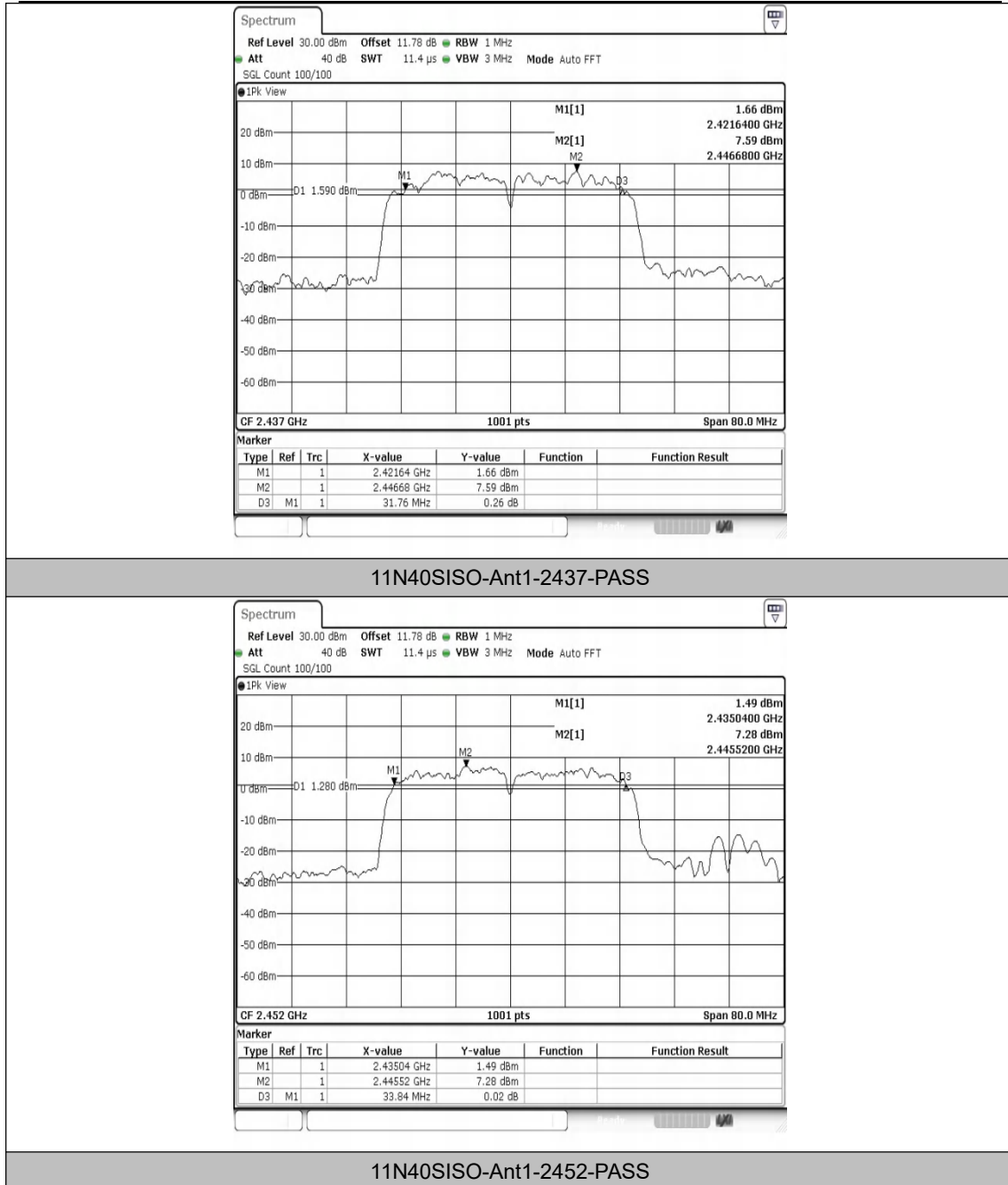












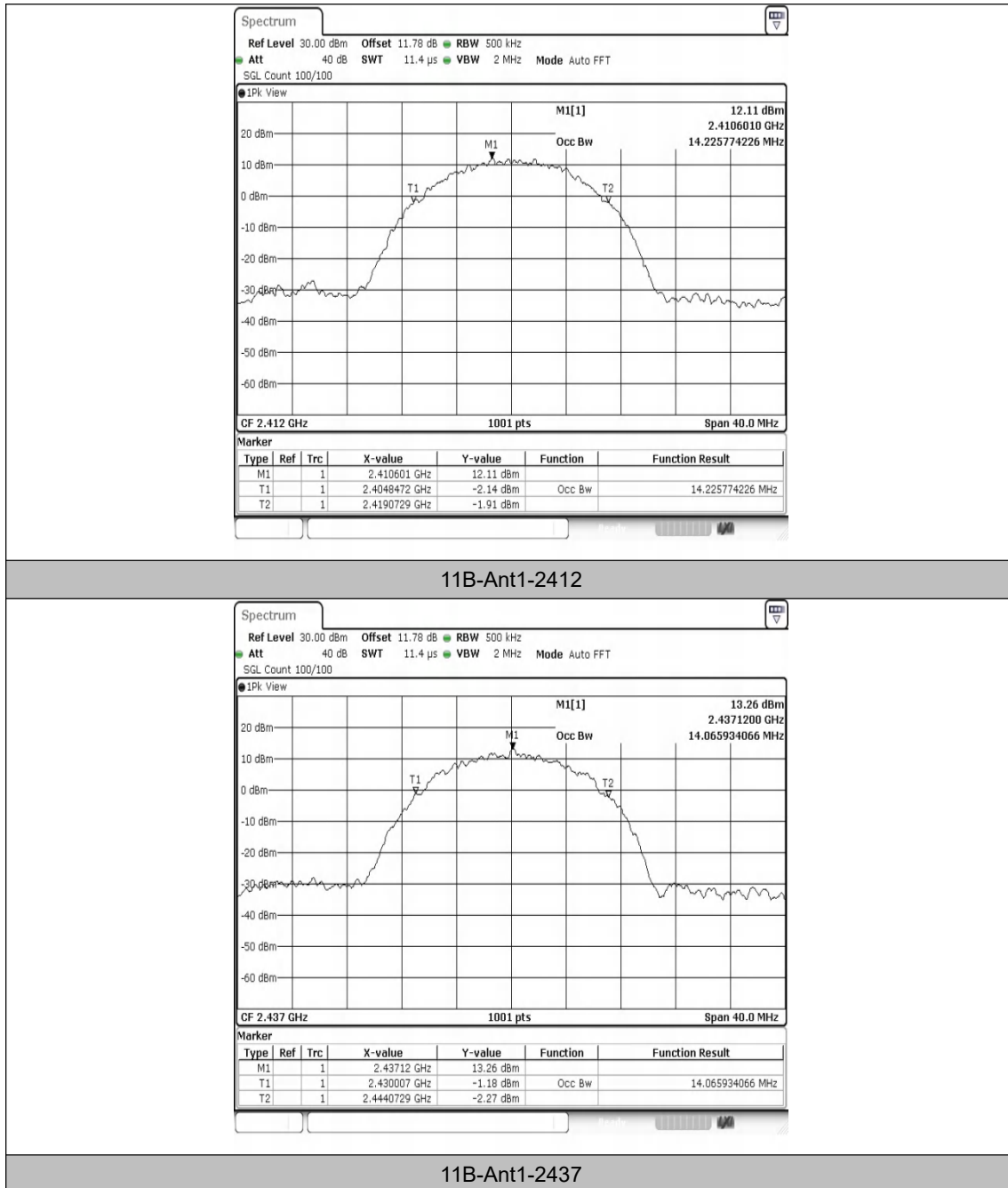
Appendix B: Occupied Channel Bandwidth

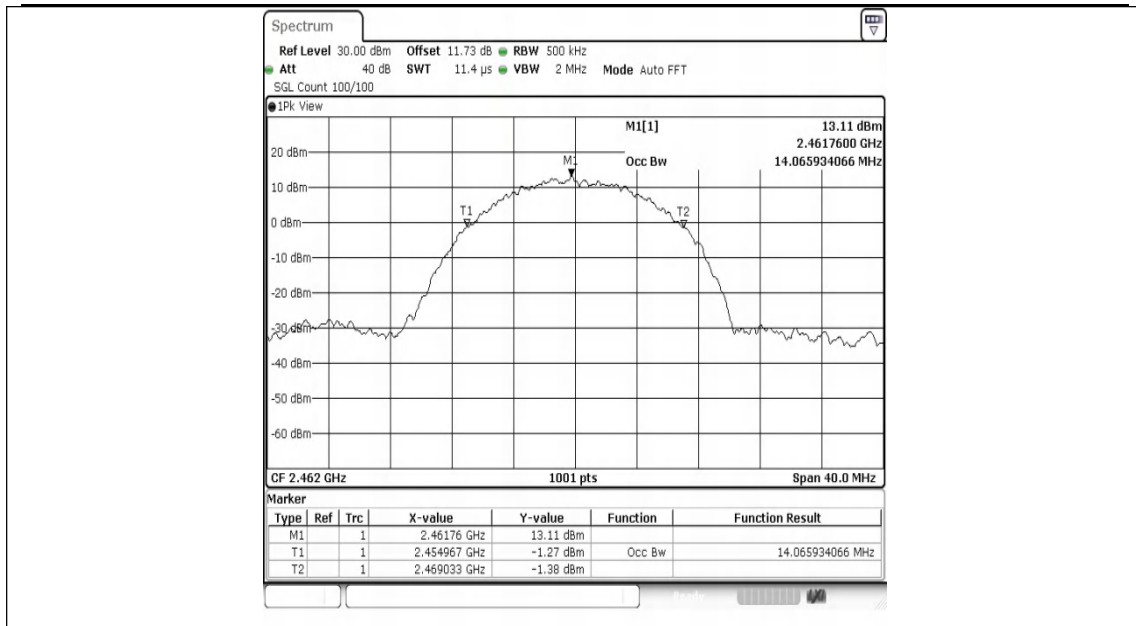
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.226	2404.8472	2419.0729	---	---
11B	Ant1	2437	14.066	2430.0070	2444.0729	---	---
11B	Ant1	2462	14.066	2454.9670	2469.0330	---	---
11G	Ant1	2412	16.384	2403.8082	2420.1918	---	---
11G	Ant1	2437	16.304	2428.8881	2445.1918	---	---
11G	Ant1	2462	16.464	2453.7682	2470.2318	---	---
11N20SISO	Ant1	2412	17.103	2403.4086	2420.5115	---	---
11N20SISO	Ant1	2437	17.303	2428.3287	2445.6314	---	---
11N20SISO	Ant1	2462	17.303	2453.2887	2470.5914	---	---
11N40SISO	Ant1	2422	35.804	2404.2577	2440.0619	---	---
11N40SISO	Ant1	2437	35.724	2419.0979	2454.8222	---	---
11N40SISO	Ant1	2452	35.644	2434.2577	2469.9021	---	---

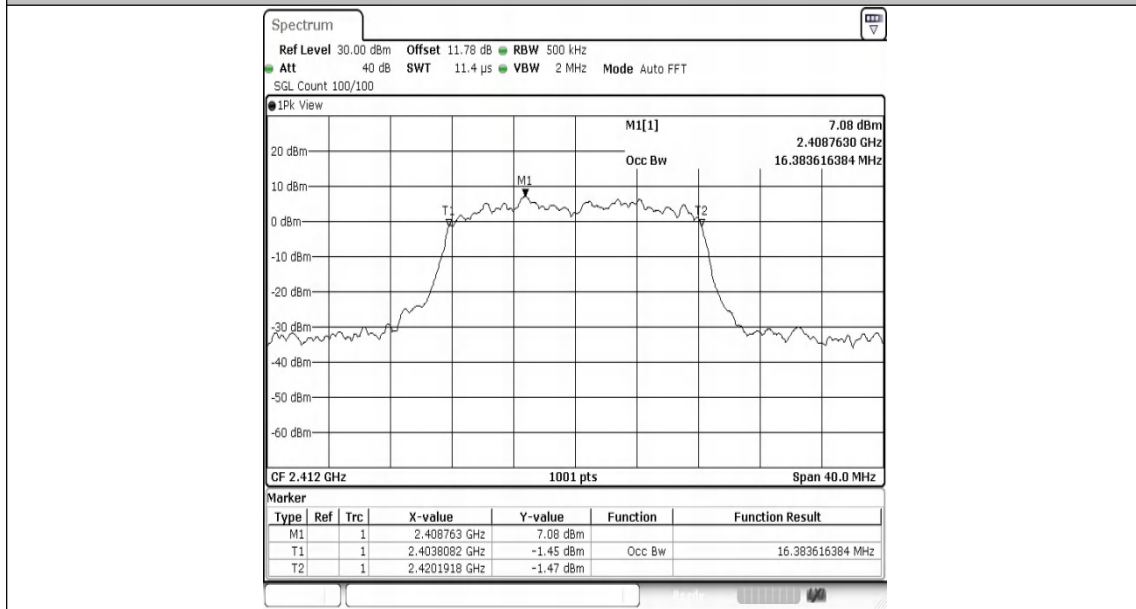


Test Graphs



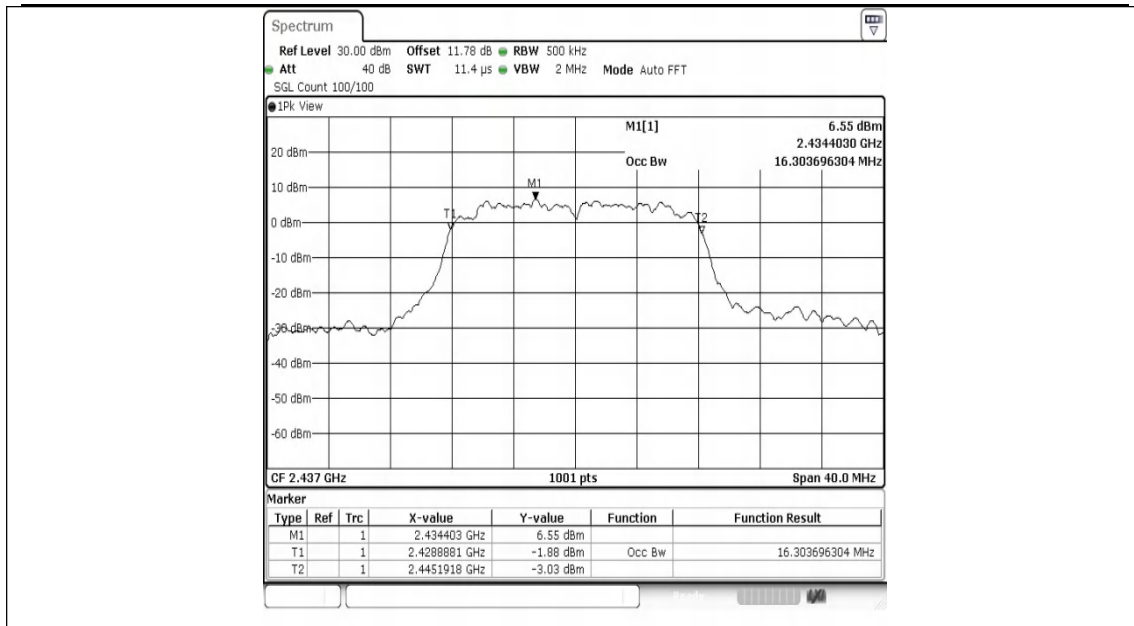


11B-Ant1-2462

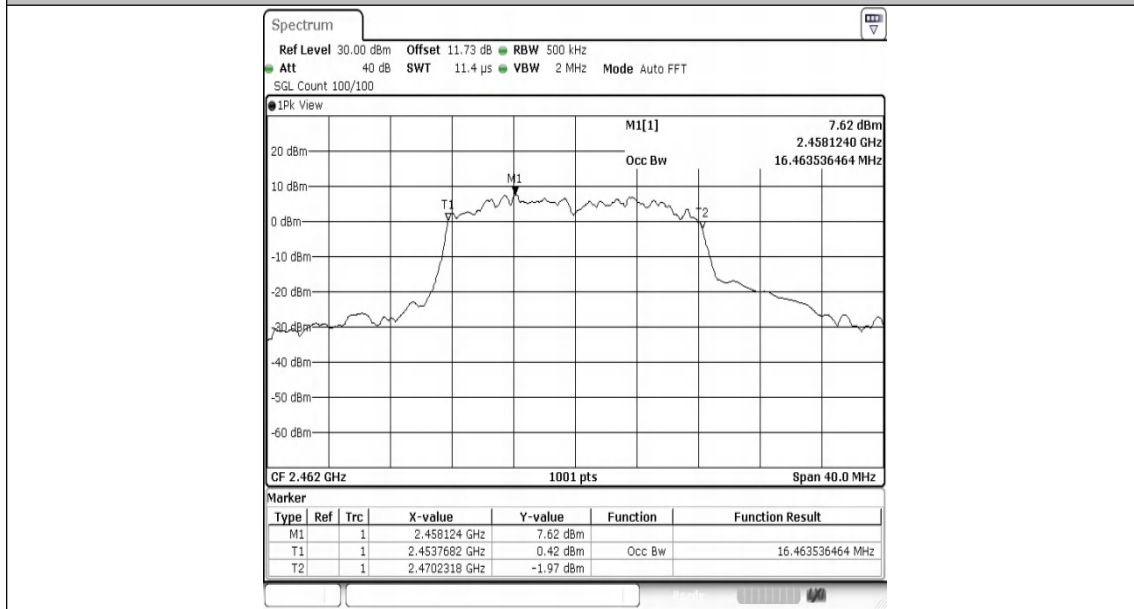


11G-Ant1-2412



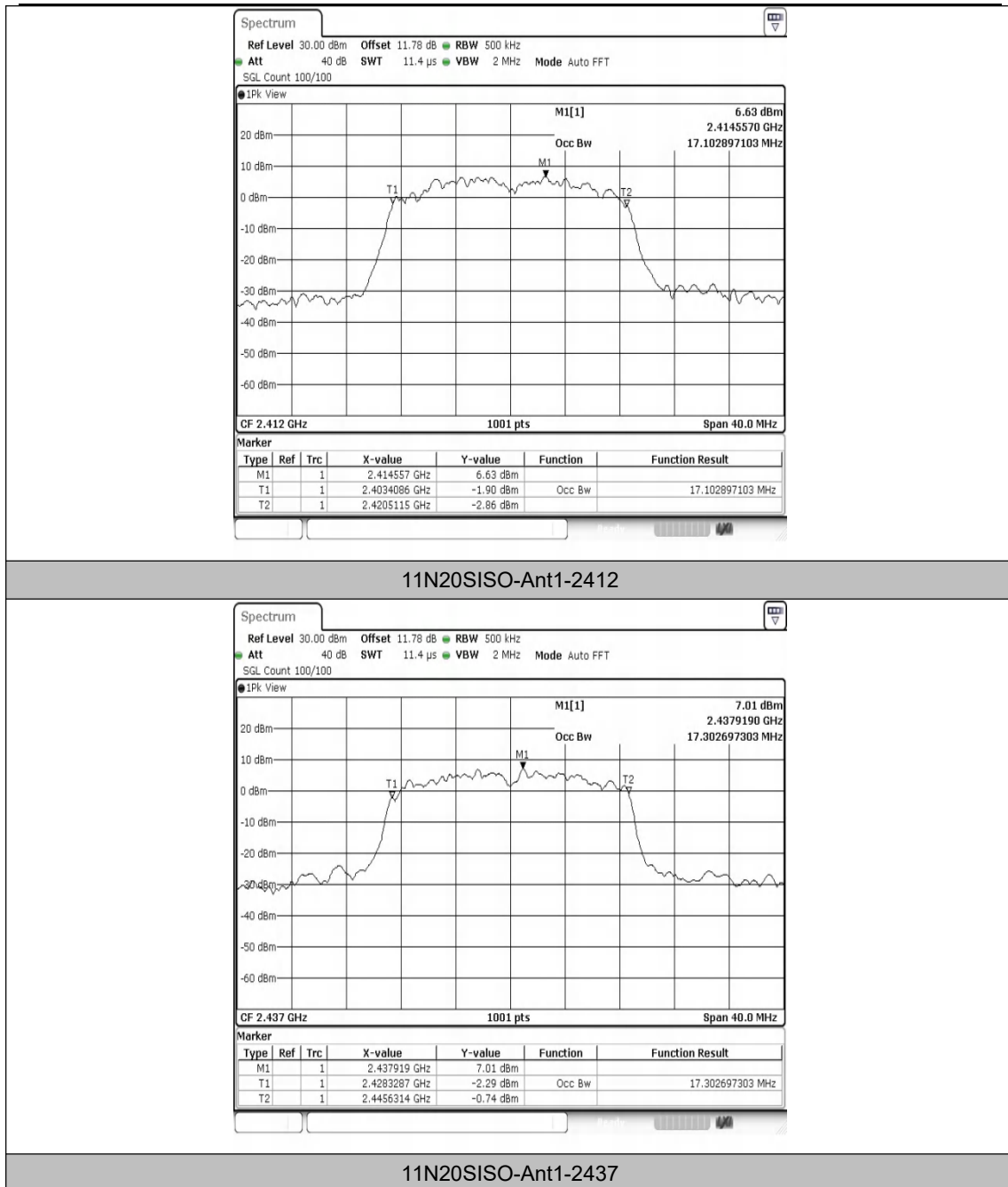


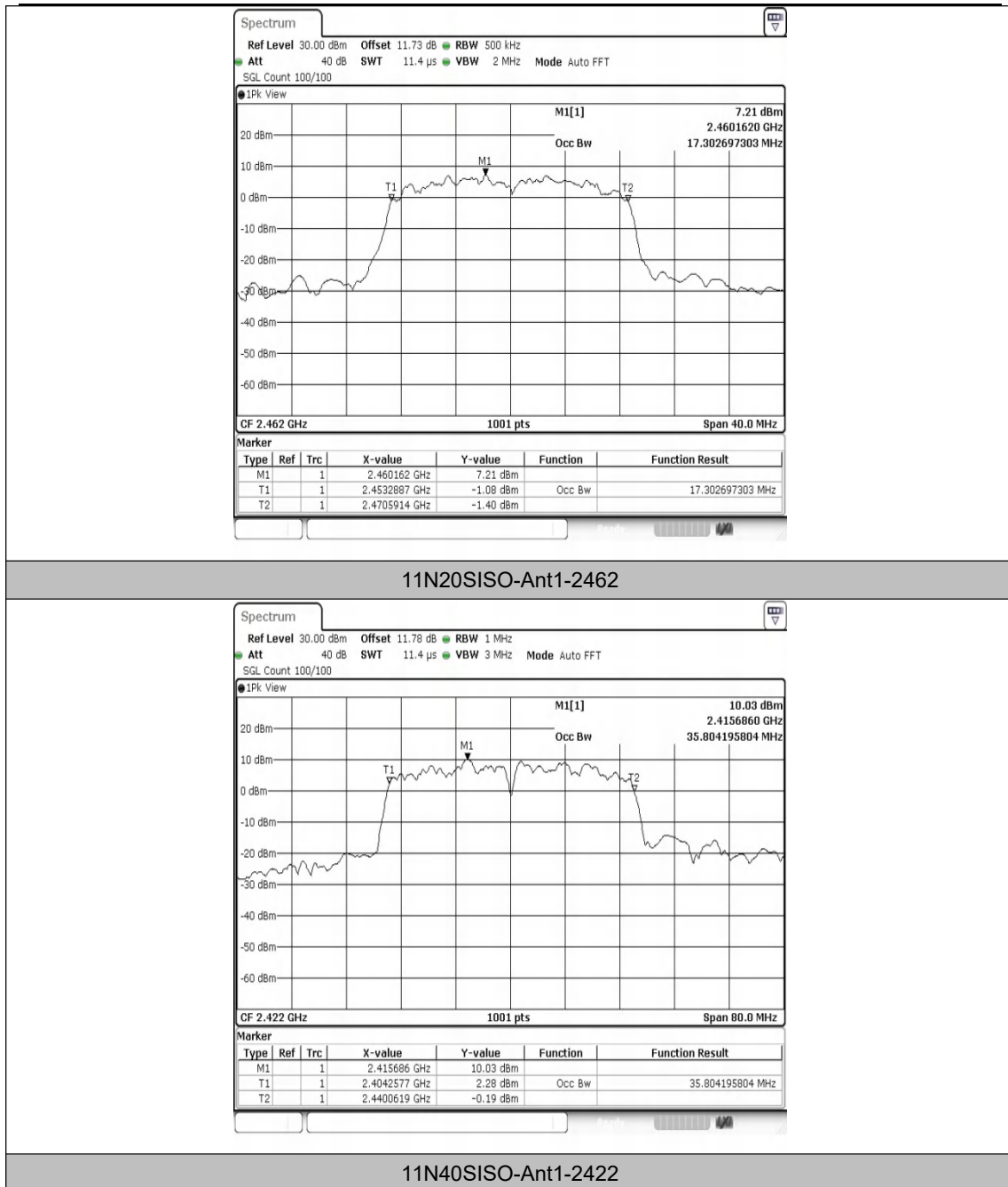
11G-Ant1-2437

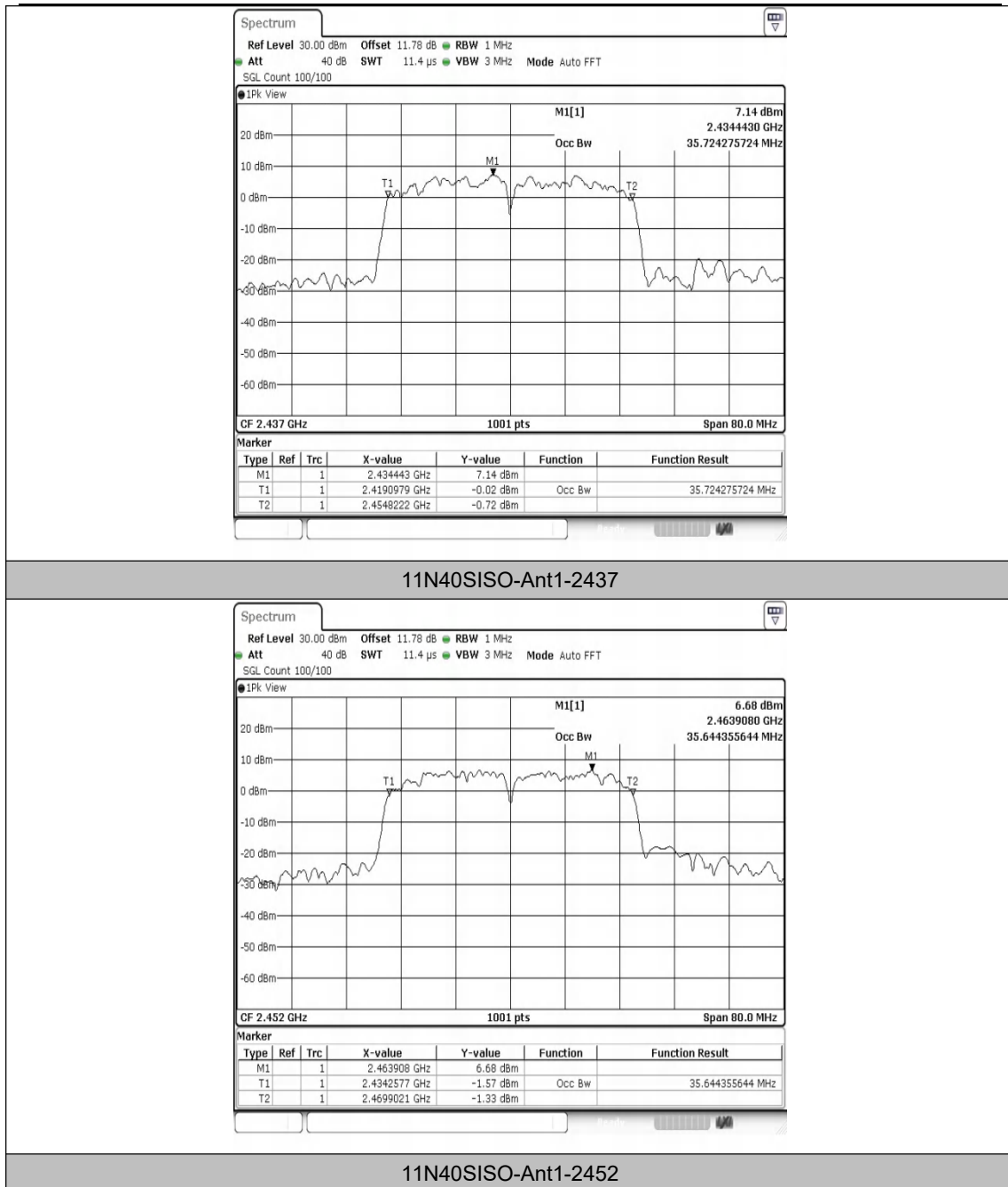


11G-Ant1-2462









Appendix C: Maximum conducted output power

Test Result Average

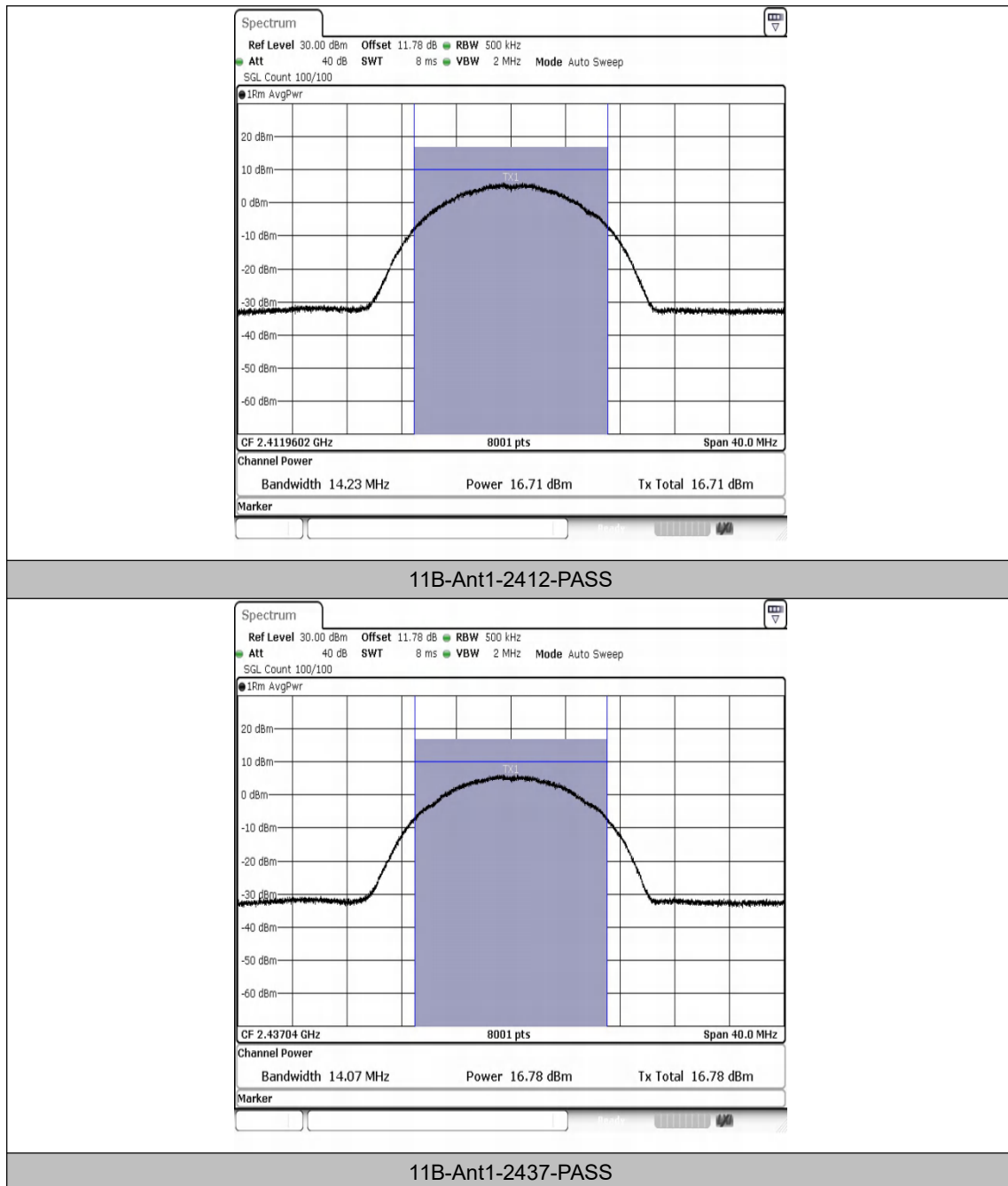
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.71	91.61	0.38	17.09	≤30.00	PASS
11B	Ant1	2437	16.78	94.93	0.23	17.01	≤30.00	PASS
11B	Ant1	2462	16.97	92.91	0.32	17.29	≤30.00	PASS
11G	Ant1	2412	11.86	58.54	2.33	14.19	≤30.00	PASS
11G	Ant1	2437	11.95	63.16	2.00	13.95	≤30.00	PASS
11G	Ant1	2462	12.26	60.98	2.15	14.41	≤30.00	PASS
11N20SISO	Ant1	2412	11.53	58.97	2.29	13.82	≤30.00	PASS
11N20SISO	Ant1	2437	11.81	58.97	2.29	14.10	≤30.00	PASS
11N20SISO	Ant1	2462	12.22	71.88	1.43	13.65	≤30.00	PASS
11N40SISO	Ant1	2422	10.99	46.43	3.33	14.32	≤30.00	PASS
11N40SISO	Ant1	2437	10.21	46.43	3.33	13.54	≤30.00	PASS
11N40SISO	Ant1	2452	11.39	44.44	3.52	14.91	≤30.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph



Test Graphs Average

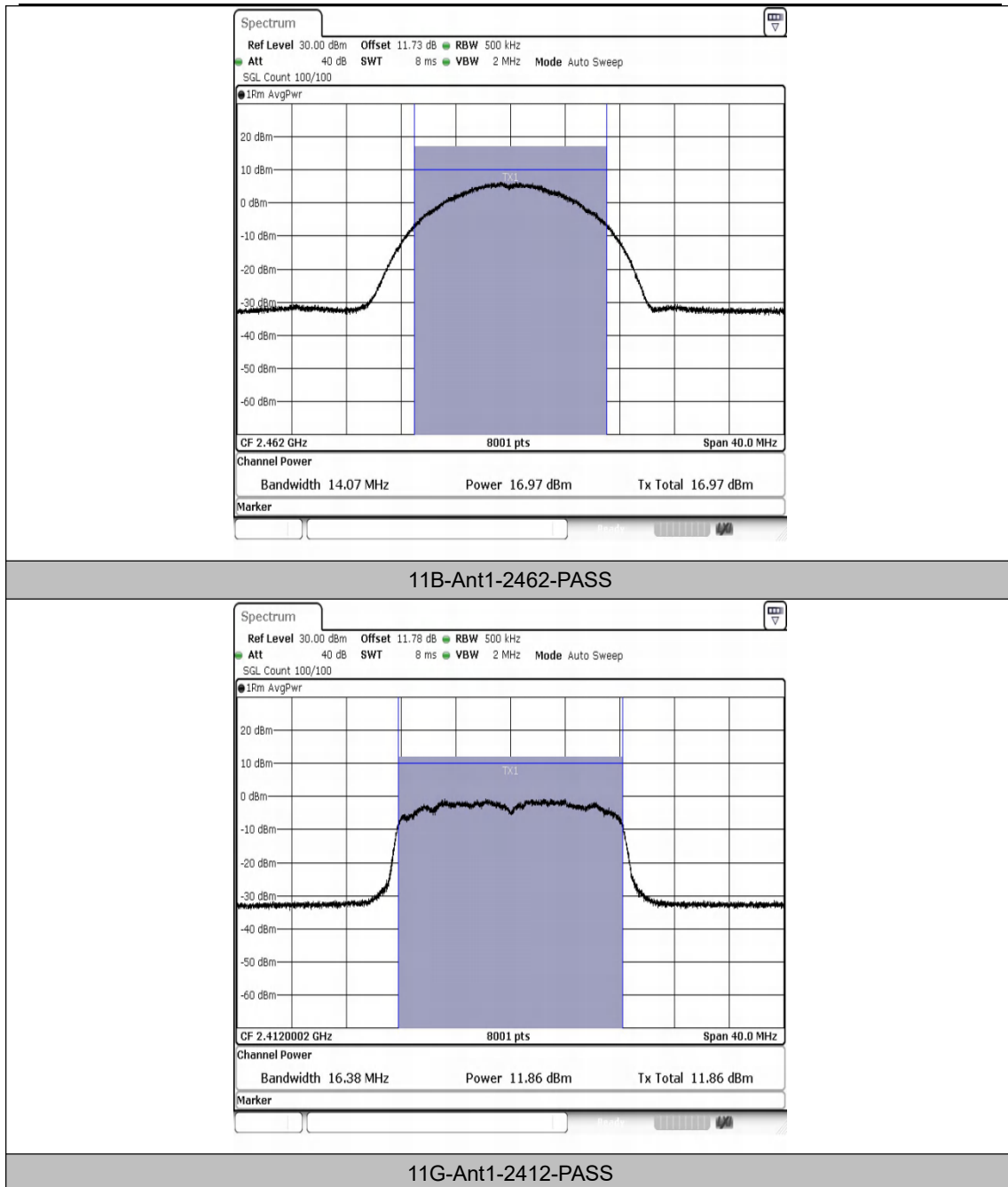


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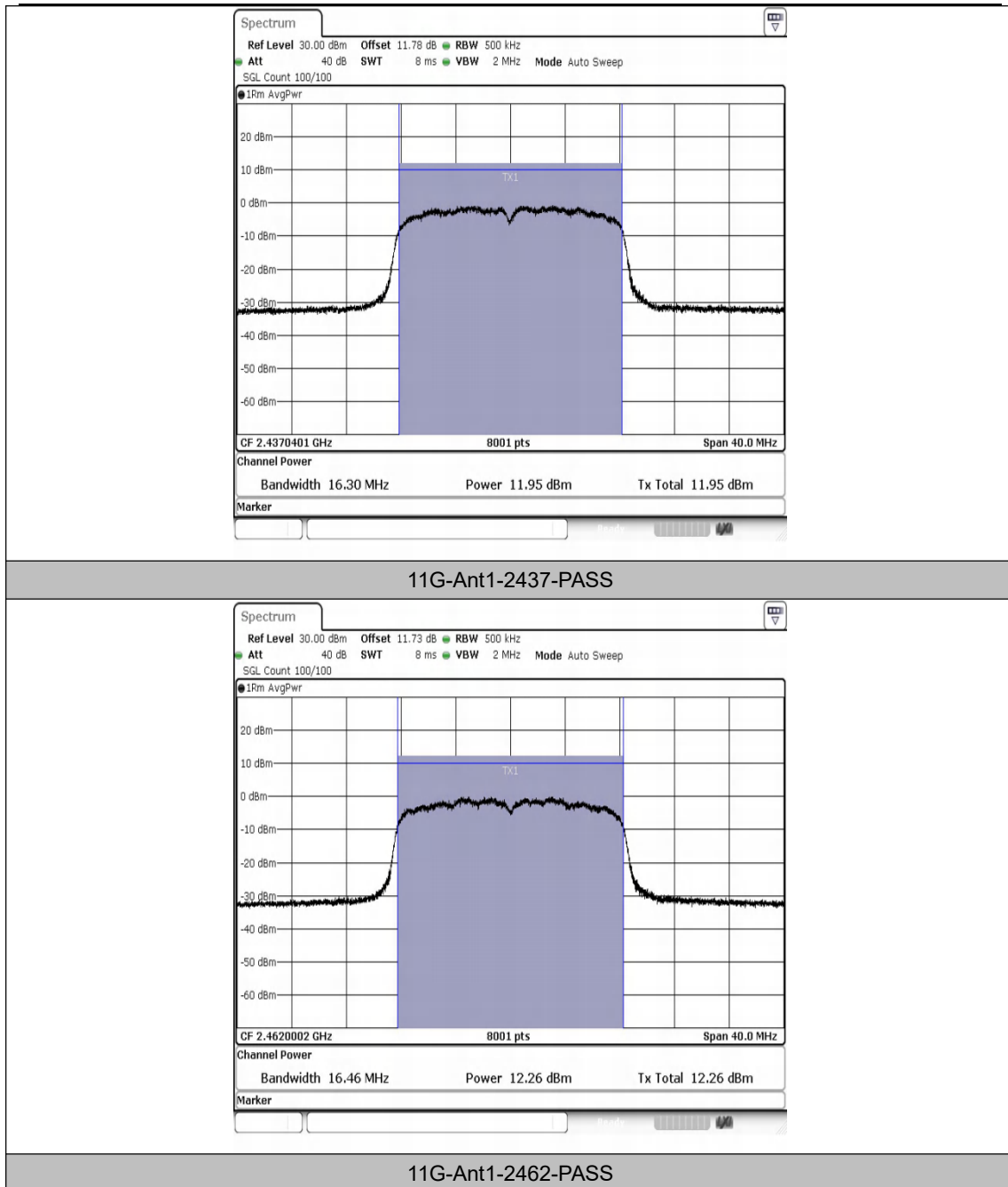


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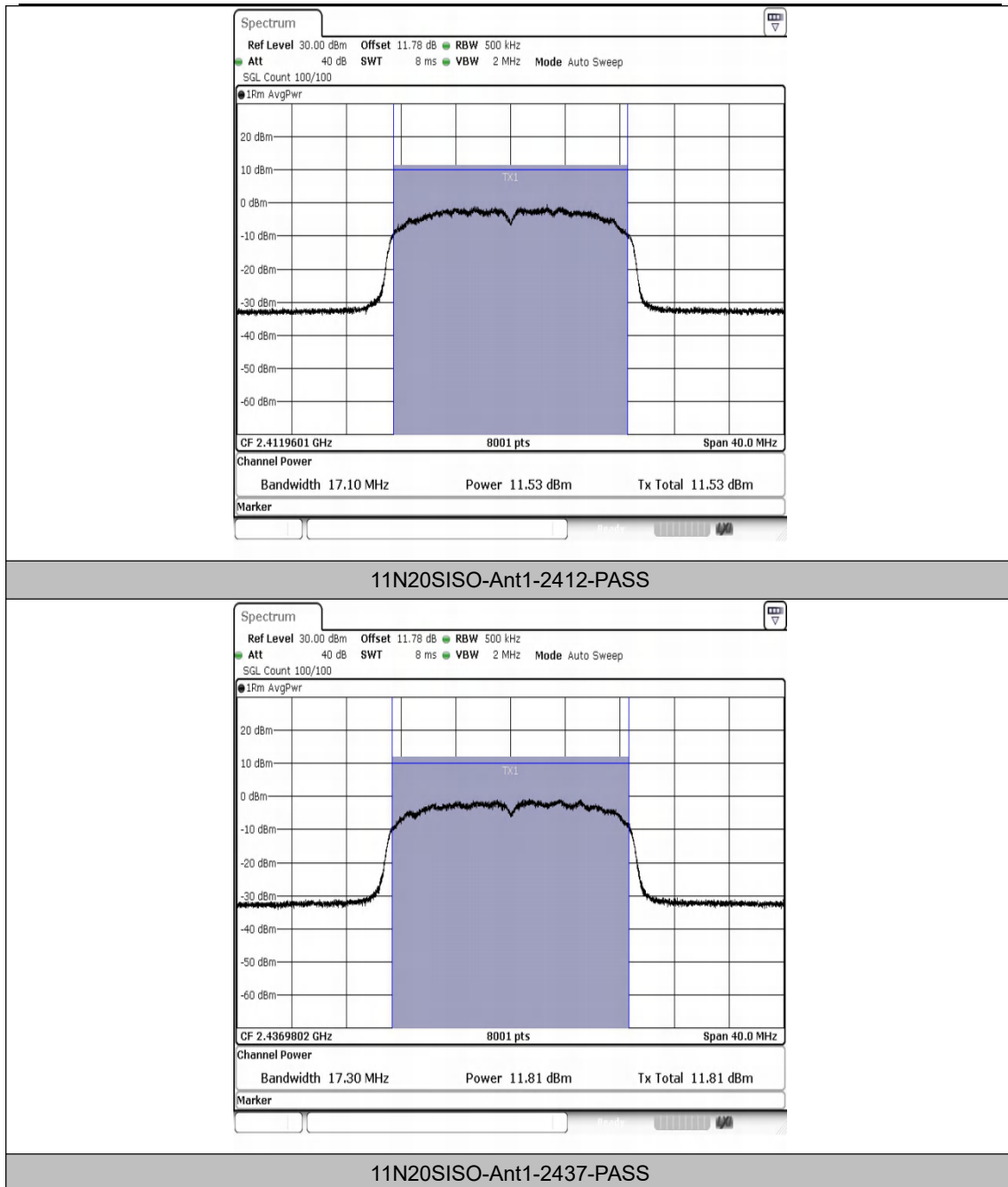


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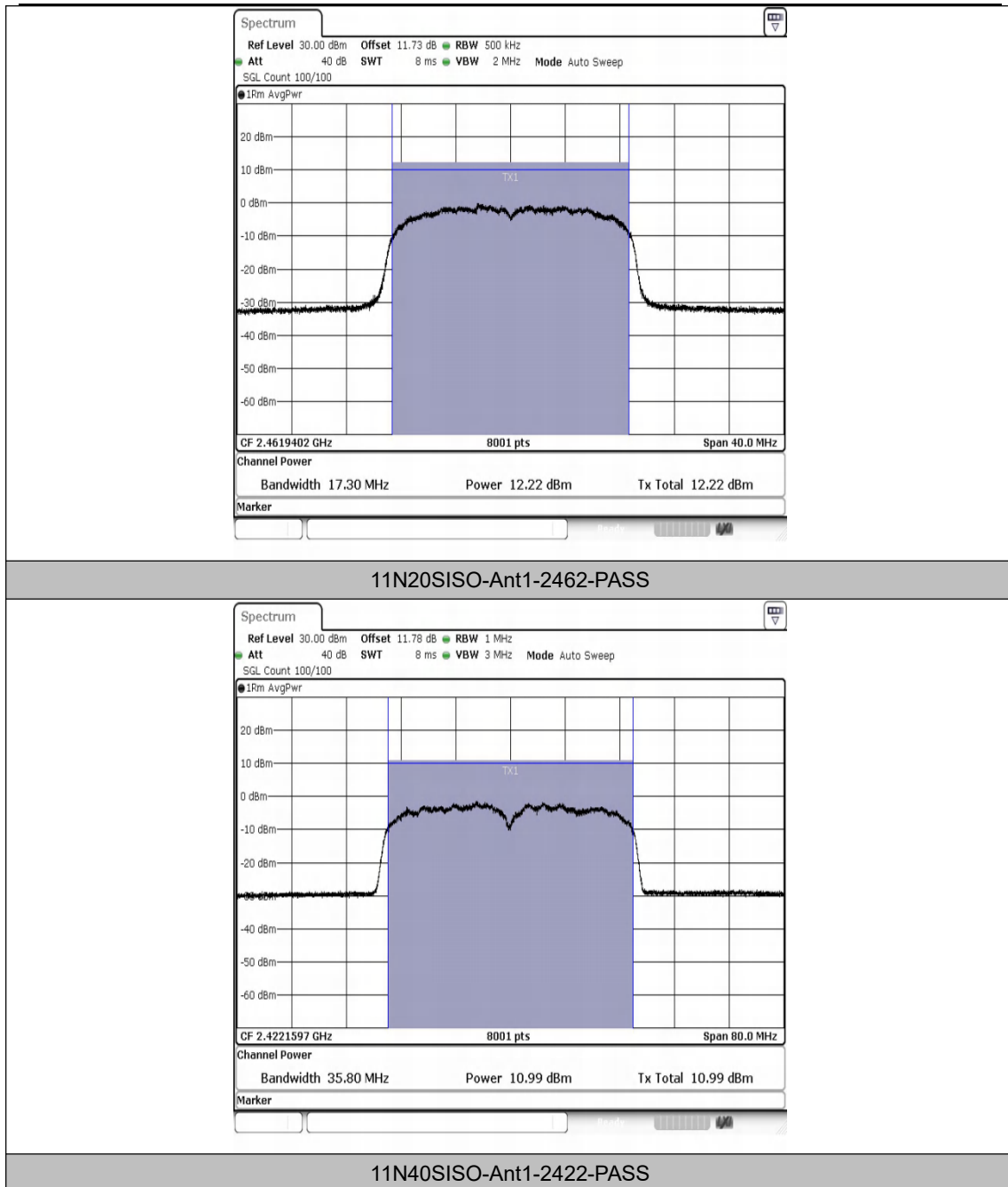


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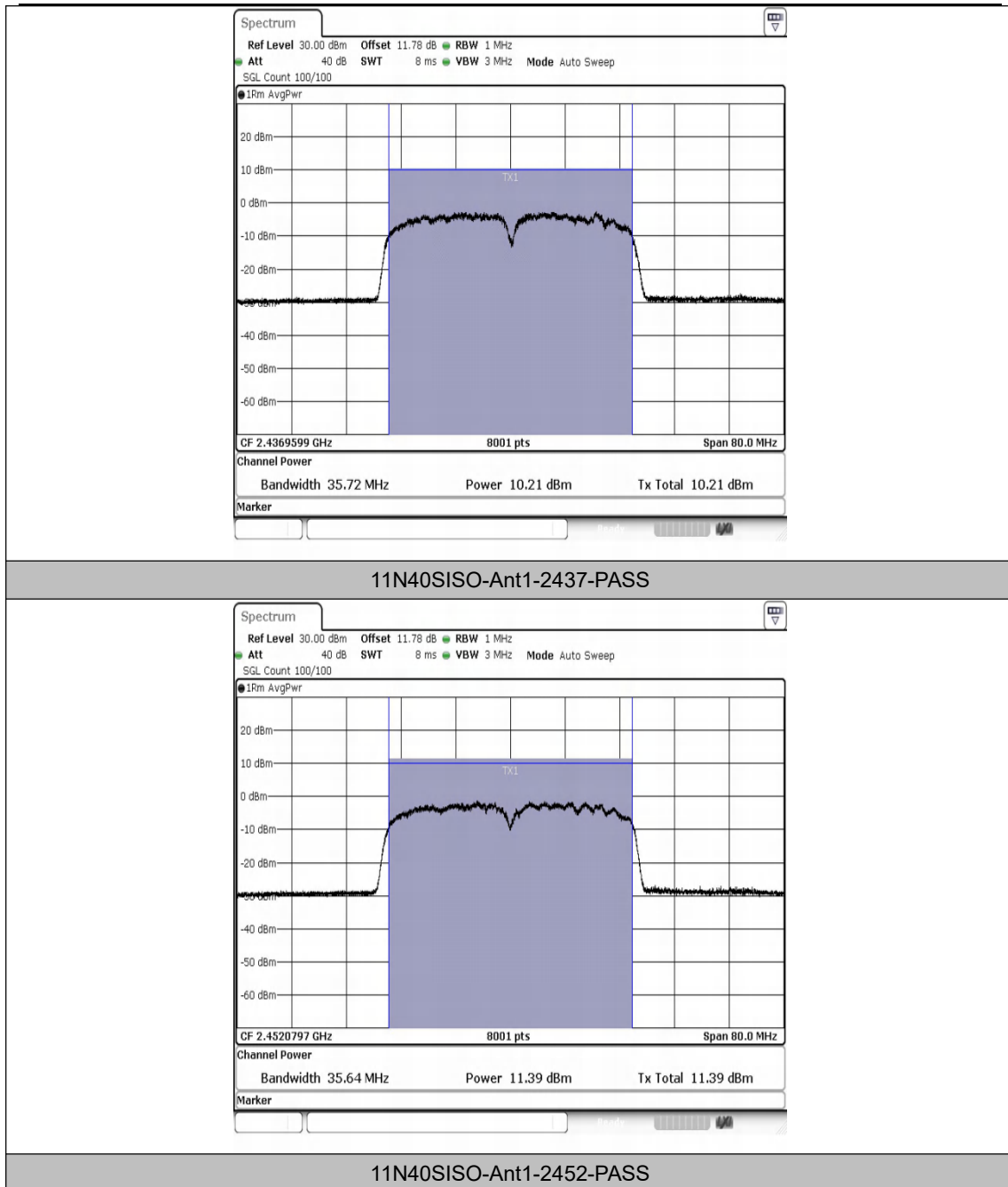


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Appendix D: Maximum power spectral density

Test Result

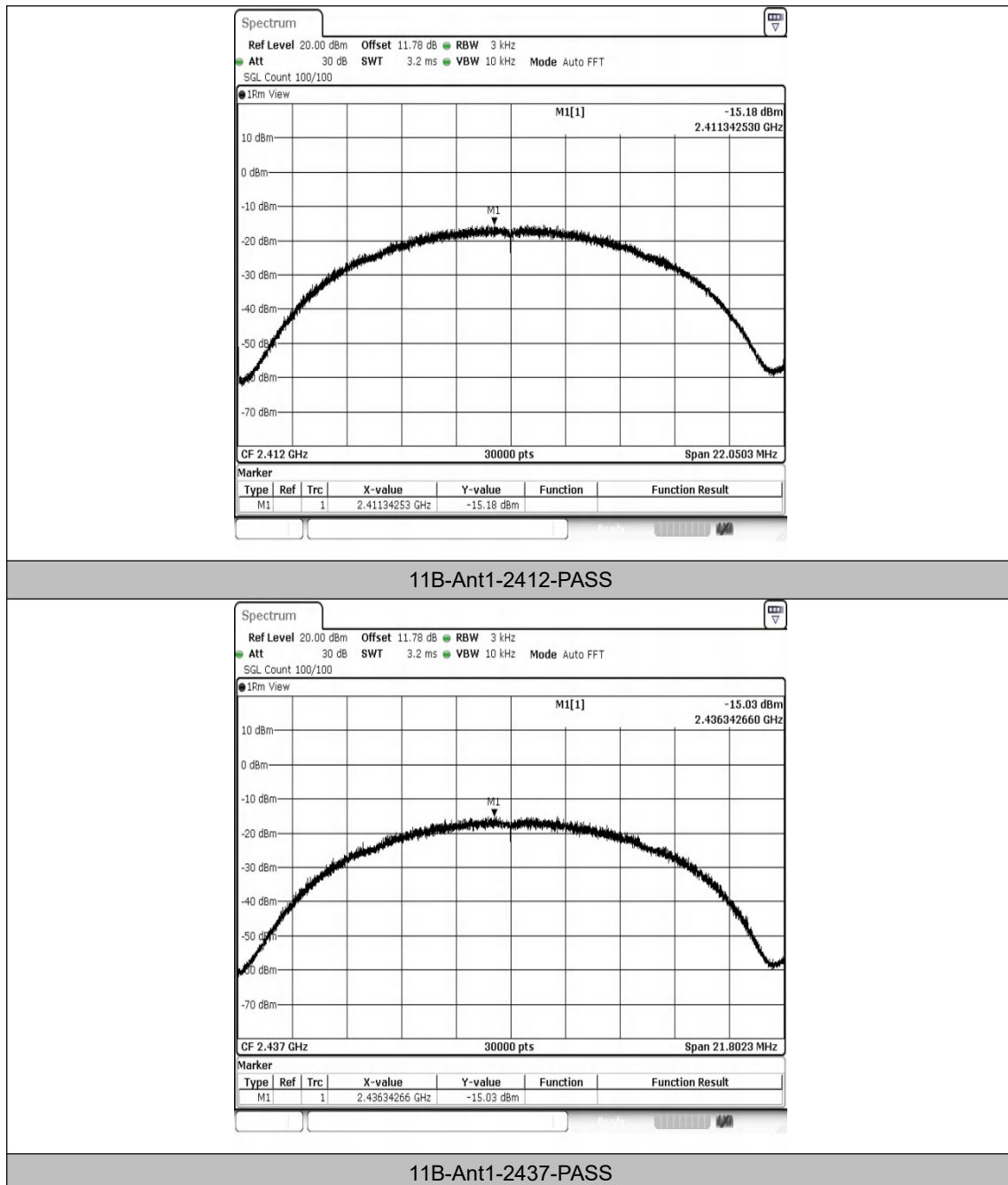
TestMode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.18	0.38	-14.80	≤8.00	PASS
11B	Ant1	2437	-15.03	0.23	-14.80	≤8.00	PASS
11B	Ant1	2462	-14.37	0.32	-14.05	≤8.00	PASS
11G	Ant1	2412	-14.77	2.33	-12.44	≤8.00	PASS
11G	Ant1	2437	-15.71	2.00	-13.71	≤8.00	PASS
11G	Ant1	2462	-14.89	2.15	-12.74	≤8.00	PASS
11N20SISO	Ant1	2412	-15.49	2.29	-13.20	≤8.00	PASS
11N20SISO	Ant1	2437	-14.90	2.29	-12.61	≤8.00	PASS
11N20SISO	Ant1	2462	-14.63	1.43	-13.20	≤8.00	PASS
11N40SISO	Ant1	2422	-18.32	3.33	-14.99	≤8.00	PASS
11N40SISO	Ant1	2437	-18.82	3.33	-15.49	≤8.00	PASS
11N40SISO	Ant1	2452	-17.75	3.52	-14.23	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.



Test Graphs

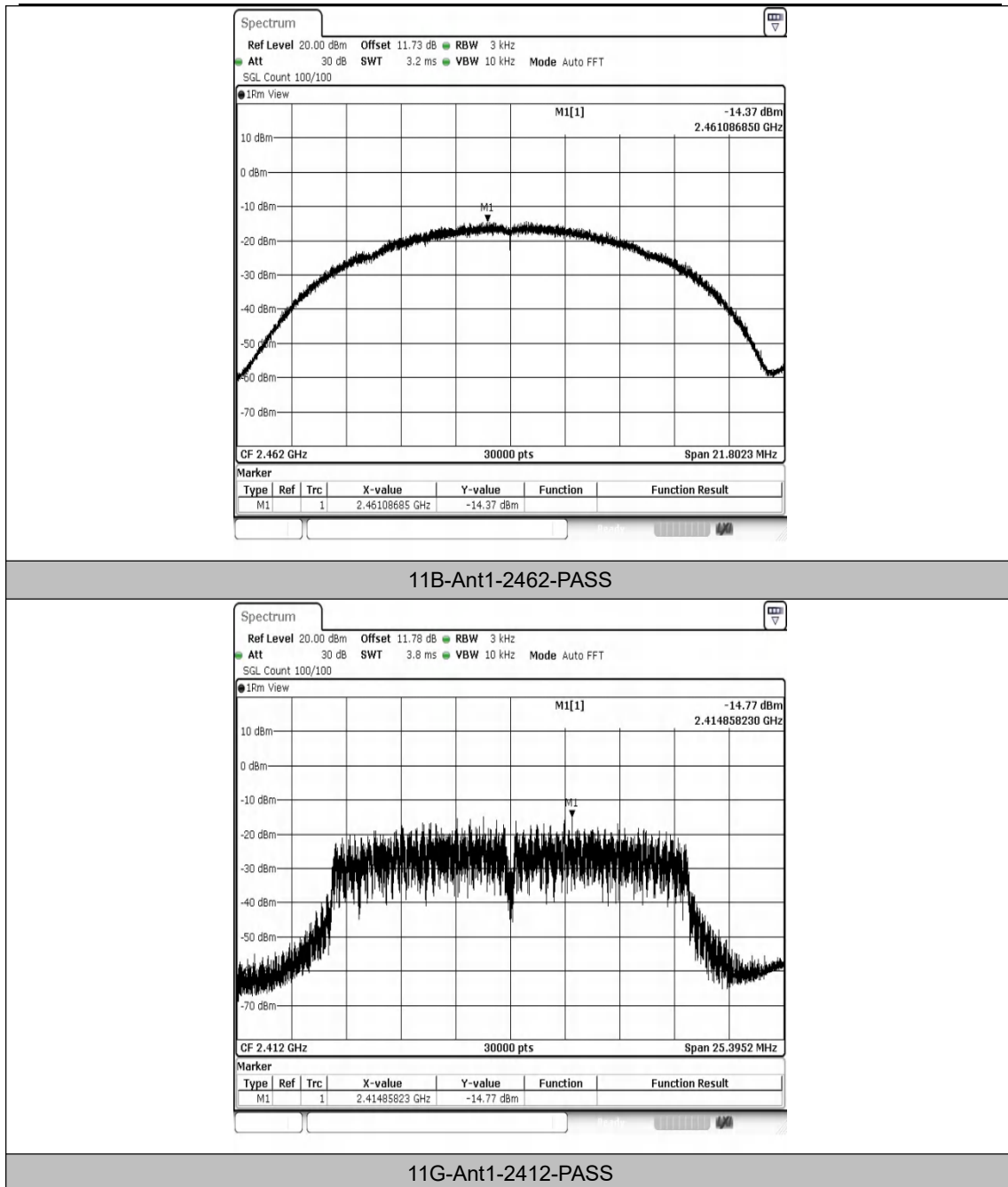


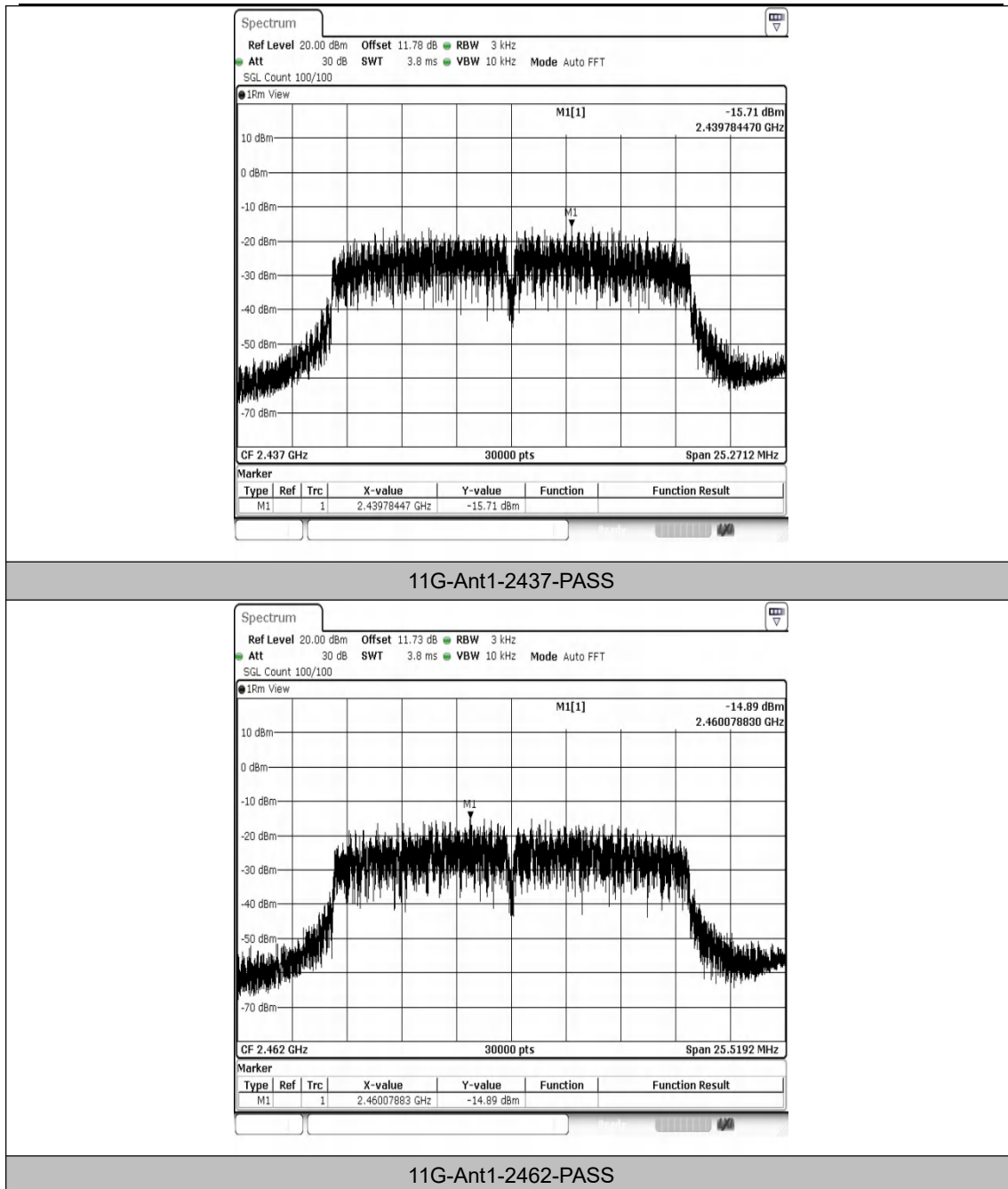
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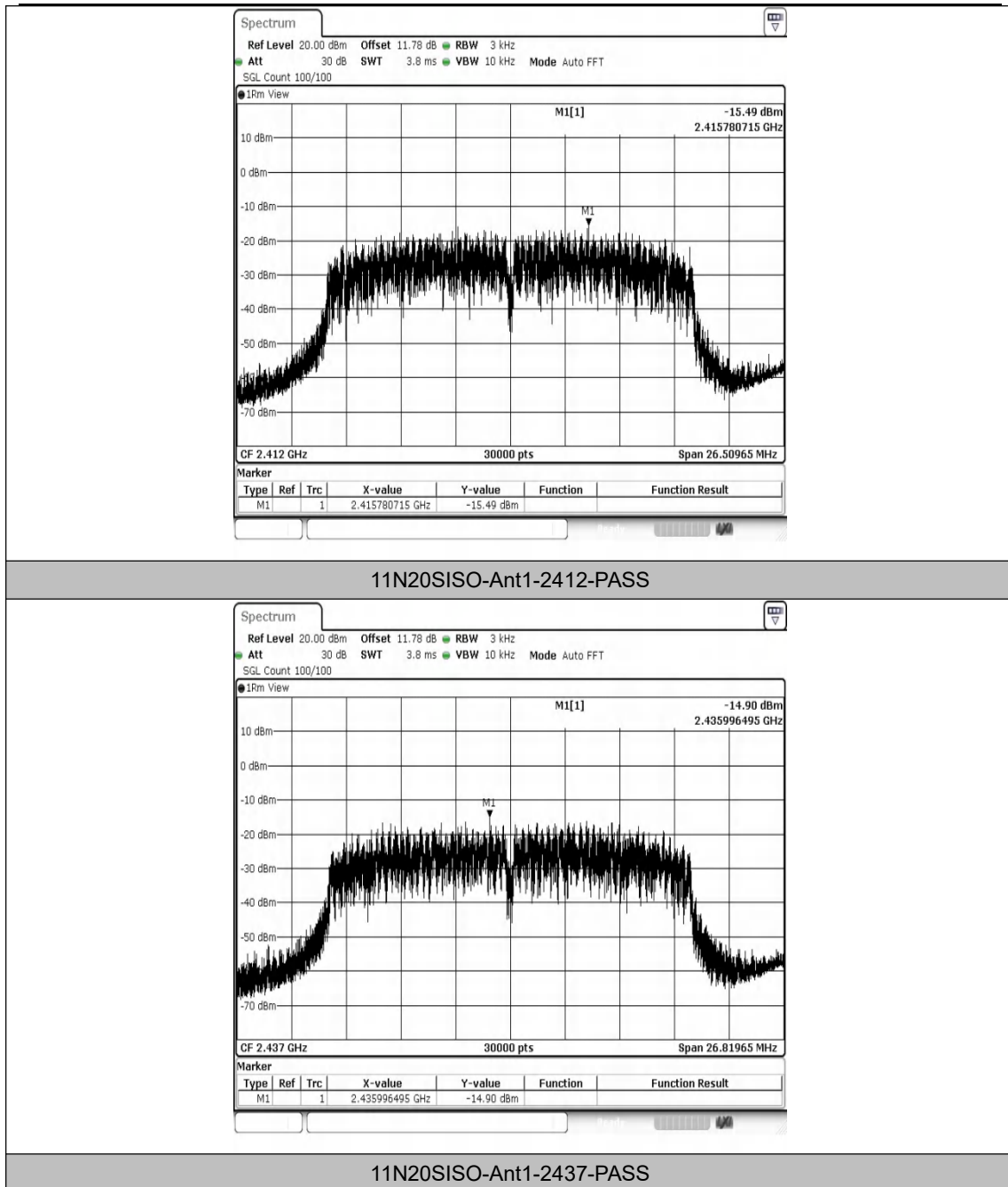
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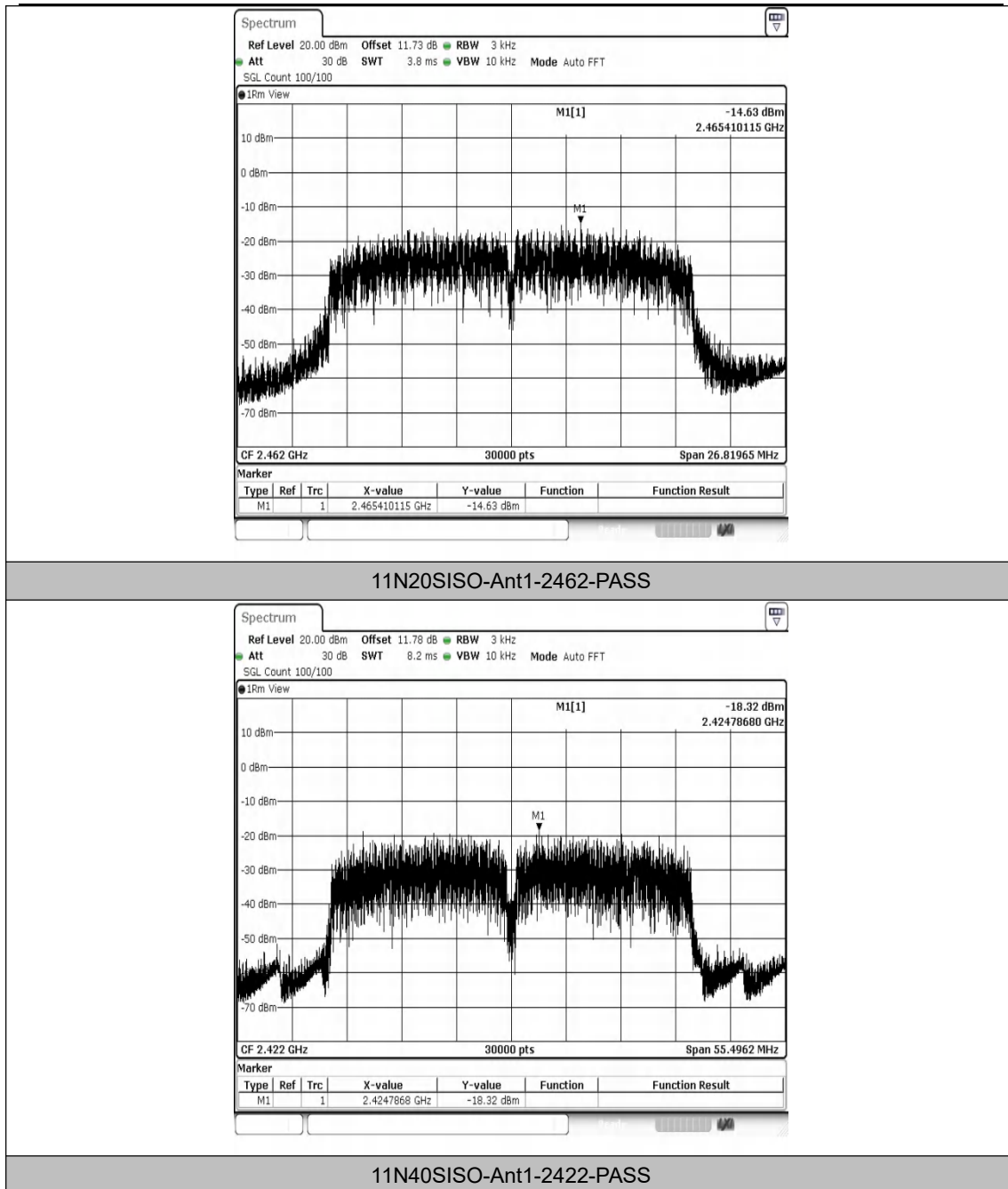
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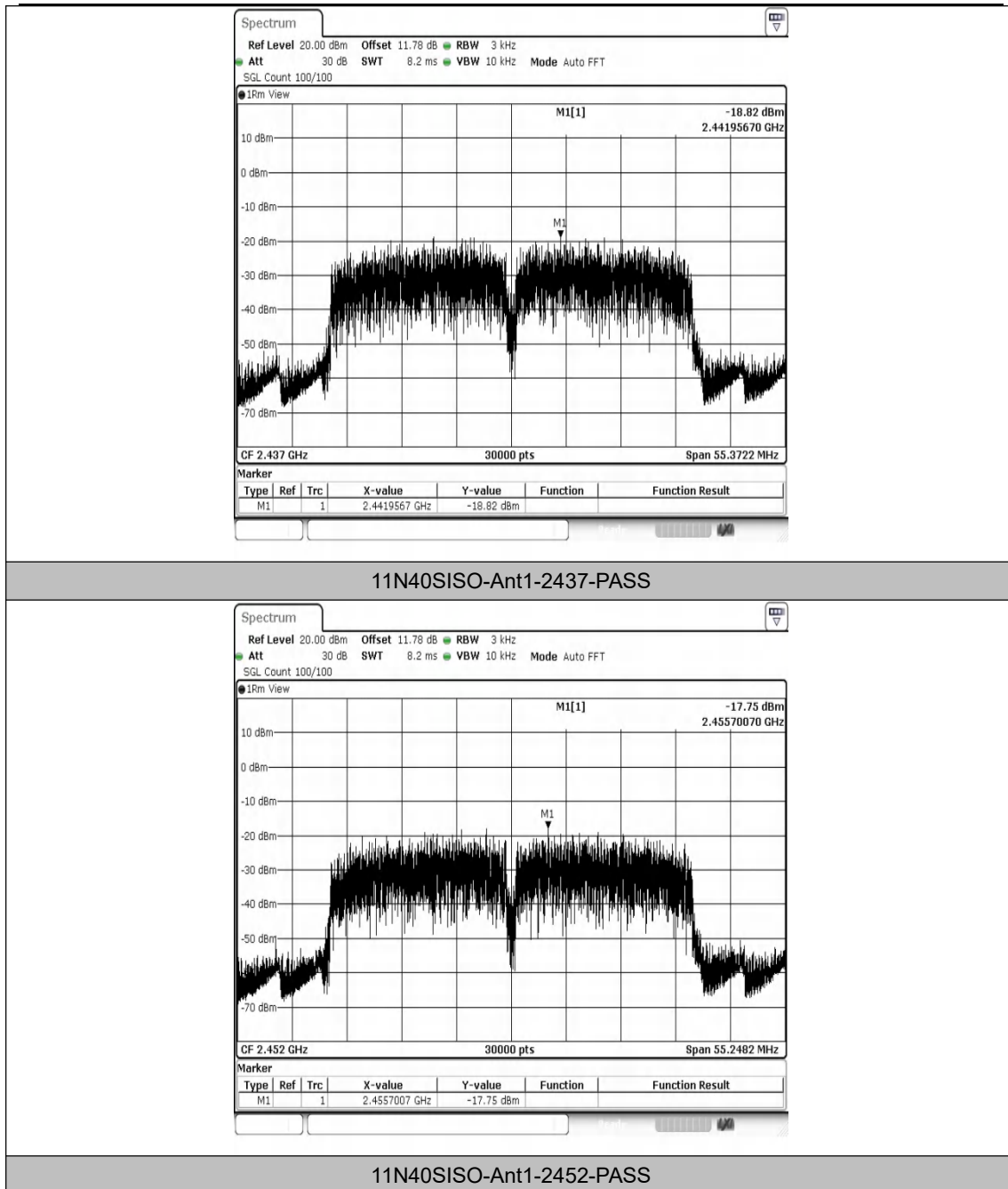












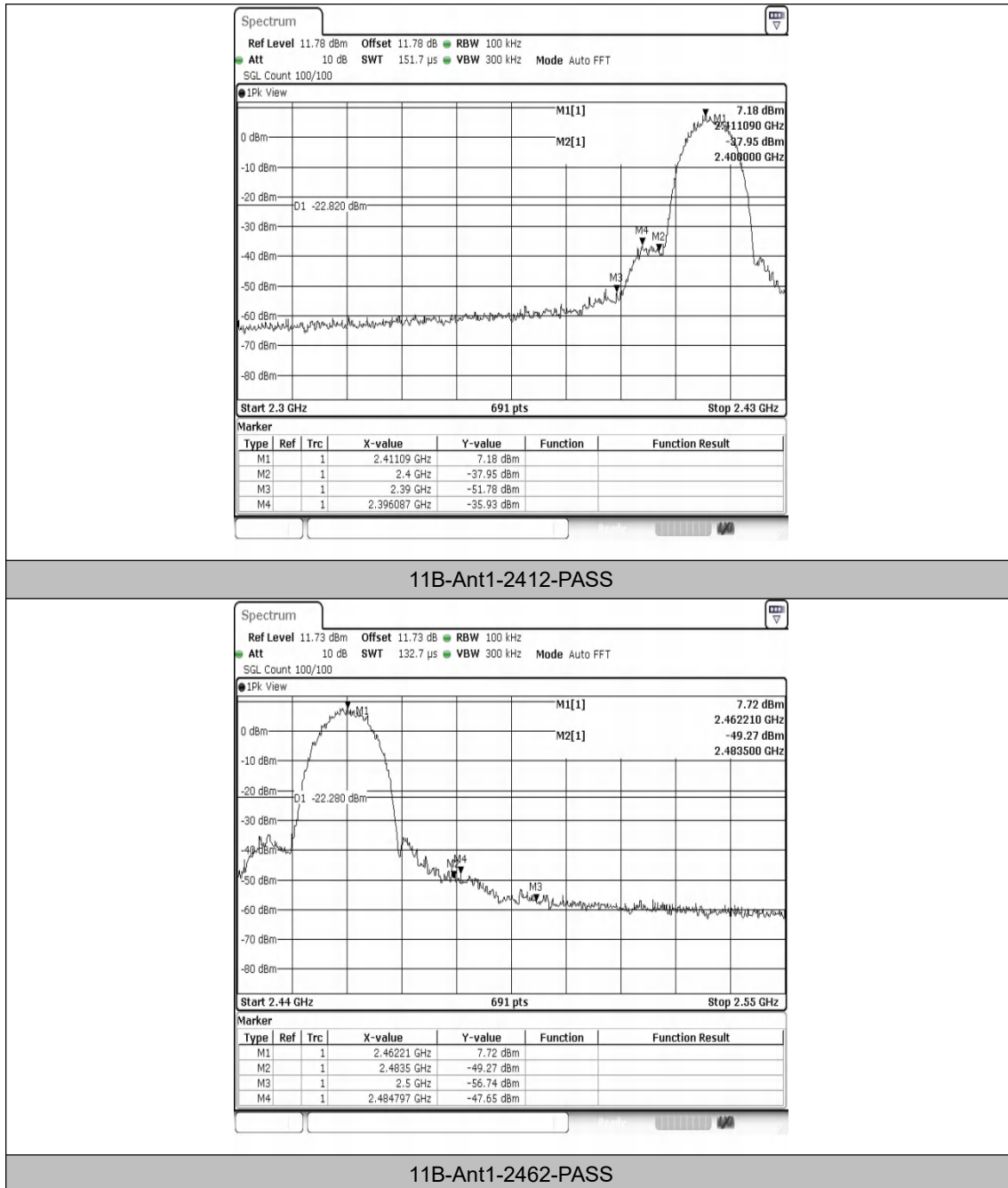
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.18	-35.93	≤-22.82	PASS
11B	Ant1	High	2462	7.72	-47.65	≤-22.28	PASS
11G	Ant1	Low	2412	2.53	-35.18	≤-27.47	PASS
11G	Ant1	High	2462	3.02	-40.85	≤-26.98	PASS
11N20SISO	Ant1	Low	2412	2.66	-38.01	≤-27.34	PASS
11N20SISO	Ant1	High	2462	1.49	-41.17	≤-28.51	PASS
11N40SISO	Ant1	Low	2422	-0.05	-33.91	≤-30.05	PASS
11N40SISO	Ant1	High	2452	0.01	-30.03	≤-29.99	PASS



Test Graphs

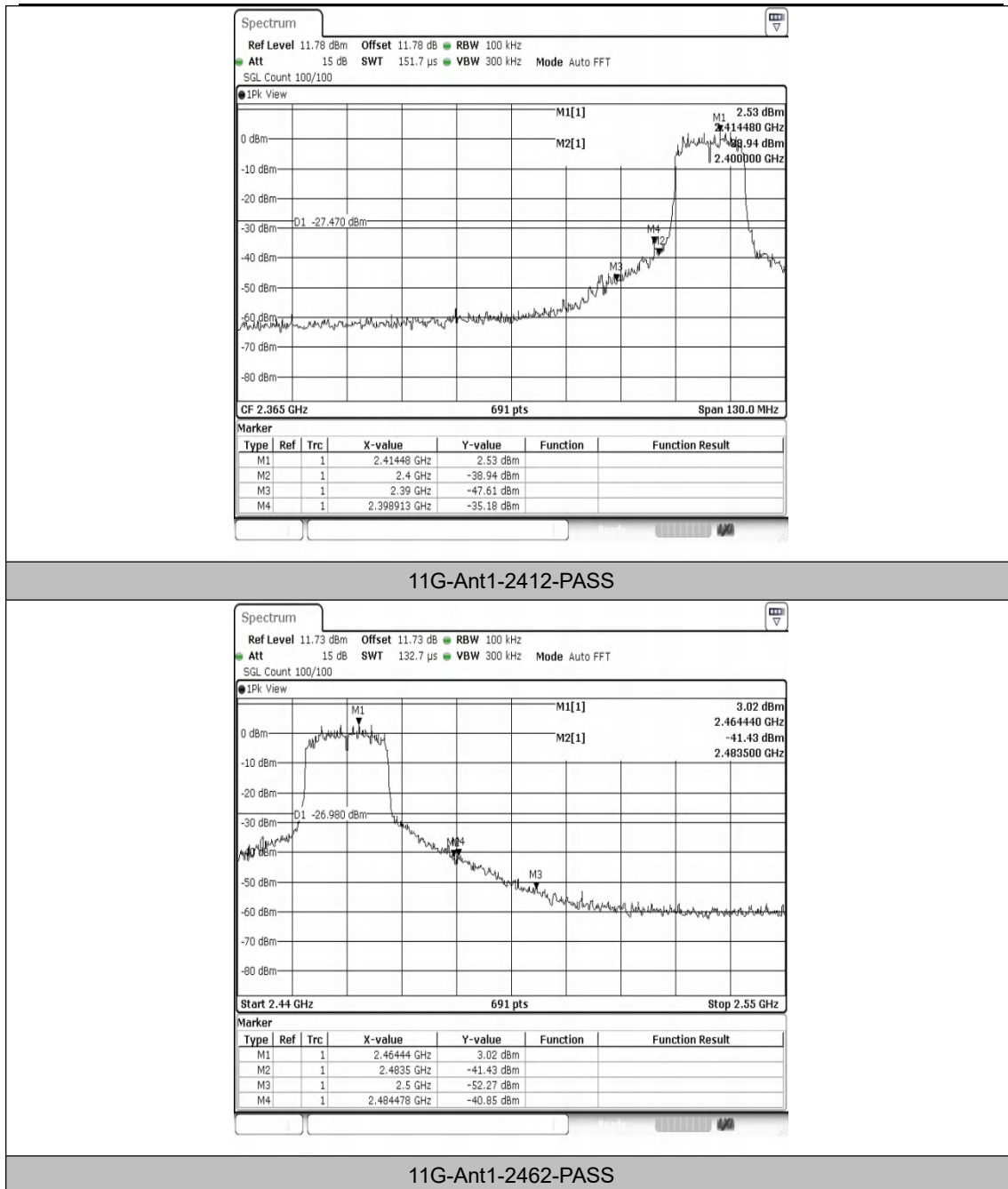


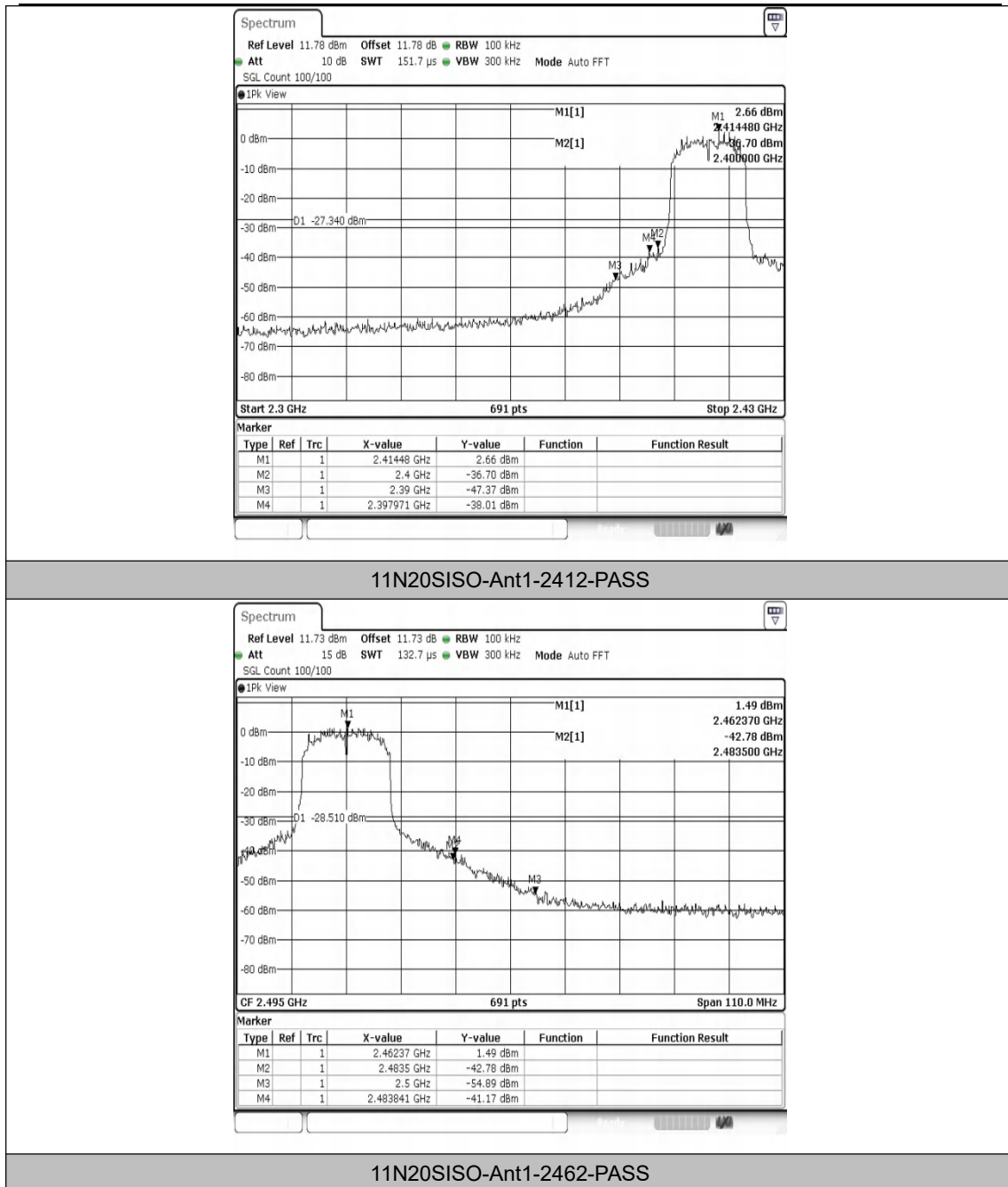
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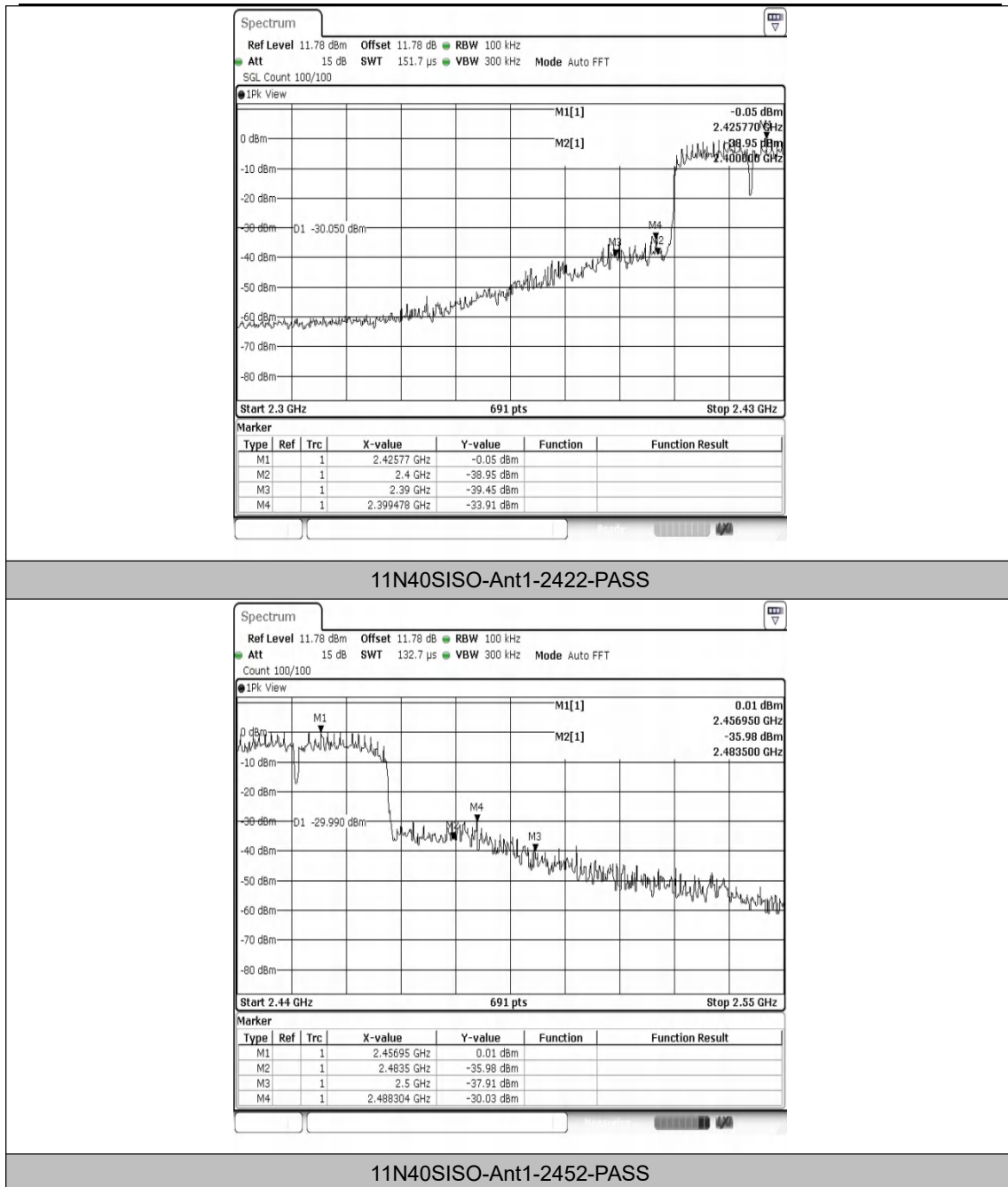
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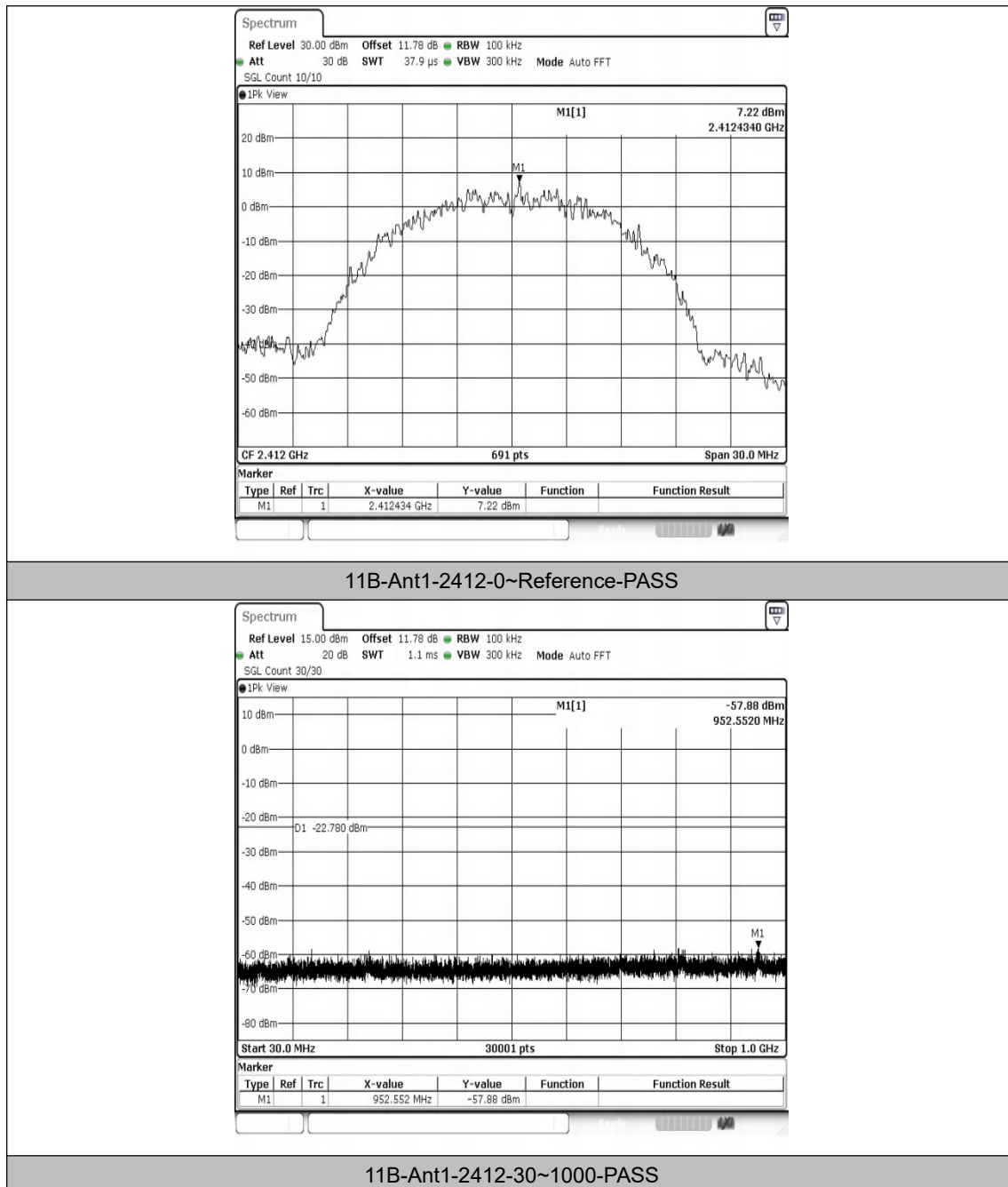
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	7.22	7.22	---	PASS
11B	Ant1	2412	30~1000	7.22	-57.88	≤-22.78	PASS
11B	Ant1	2412	1000~26500	7.22	-43.24	≤-22.78	PASS
11B	Ant1	2437	0~Reference	6.85	6.85	---	PASS
11B	Ant1	2437	30~1000	6.85	-55.91	≤-23.15	PASS
11B	Ant1	2437	1000~26500	6.85	-43.63	≤-23.15	PASS
11B	Ant1	2462	0~Reference	6.71	6.71	---	PASS
11B	Ant1	2462	30~1000	6.71	-57.2	≤-23.29	PASS
11B	Ant1	2462	1000~26500	6.71	-43.4	≤-23.29	PASS
11G	Ant1	2412	0~Reference	1.79	1.79	---	PASS
11G	Ant1	2412	30~1000	1.79	-57.15	≤-28.21	PASS
11G	Ant1	2412	1000~26500	1.79	-44.06	≤-28.21	PASS
11G	Ant1	2437	0~Reference	-0.09	-0.09	---	PASS
11G	Ant1	2437	30~1000	-0.09	-57.92	≤-30.09	PASS
11G	Ant1	2437	1000~26500	-0.09	-43.84	≤-30.09	PASS
11G	Ant1	2462	0~Reference	0.54	0.54	---	PASS
11G	Ant1	2462	30~1000	0.54	-58	≤-29.46	PASS
11G	Ant1	2462	1000~26500	0.54	-43.03	≤-29.46	PASS
11N20SISO	Ant1	2412	0~Reference	-0.29	-0.29	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.29	-57.87	≤-30.29	PASS
11N20SISO	Ant1	2412	1000~26500	-0.29	-43.82	≤-30.29	PASS
11N20SISO	Ant1	2437	0~Reference	2.85	2.85	---	PASS
11N20SISO	Ant1	2437	30~1000	2.85	-56.21	≤-27.15	PASS
11N20SISO	Ant1	2437	1000~26500	2.85	-43.44	≤-27.15	PASS
11N20SISO	Ant1	2462	0~Reference	0.39	0.39	---	PASS
11N20SISO	Ant1	2462	30~1000	0.39	-57.18	≤-29.61	PASS
11N20SISO	Ant1	2462	1000~26500	0.39	-44.24	≤-29.61	PASS
11N40SISO	Ant1	2422	0~Reference	-1.16	-1.16	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.16	-48.48	≤-31.16	PASS
11N40SISO	Ant1	2422	1000~26500	-1.16	-43.11	≤-31.16	PASS
11N40SISO	Ant1	2437	0~Reference	-2.52	-2.52	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.52	-54.98	≤-32.52	PASS
11N40SISO	Ant1	2437	1000~26500	-2.52	-44.19	≤-32.52	PASS
11N40SISO	Ant1	2452	0~Reference	-1.24	-1.24	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.24	-51.48	≤-31.24	PASS
11N40SISO	Ant1	2452	1000~26500	-1.24	-43.97	≤-31.24	PASS



Test Graphs

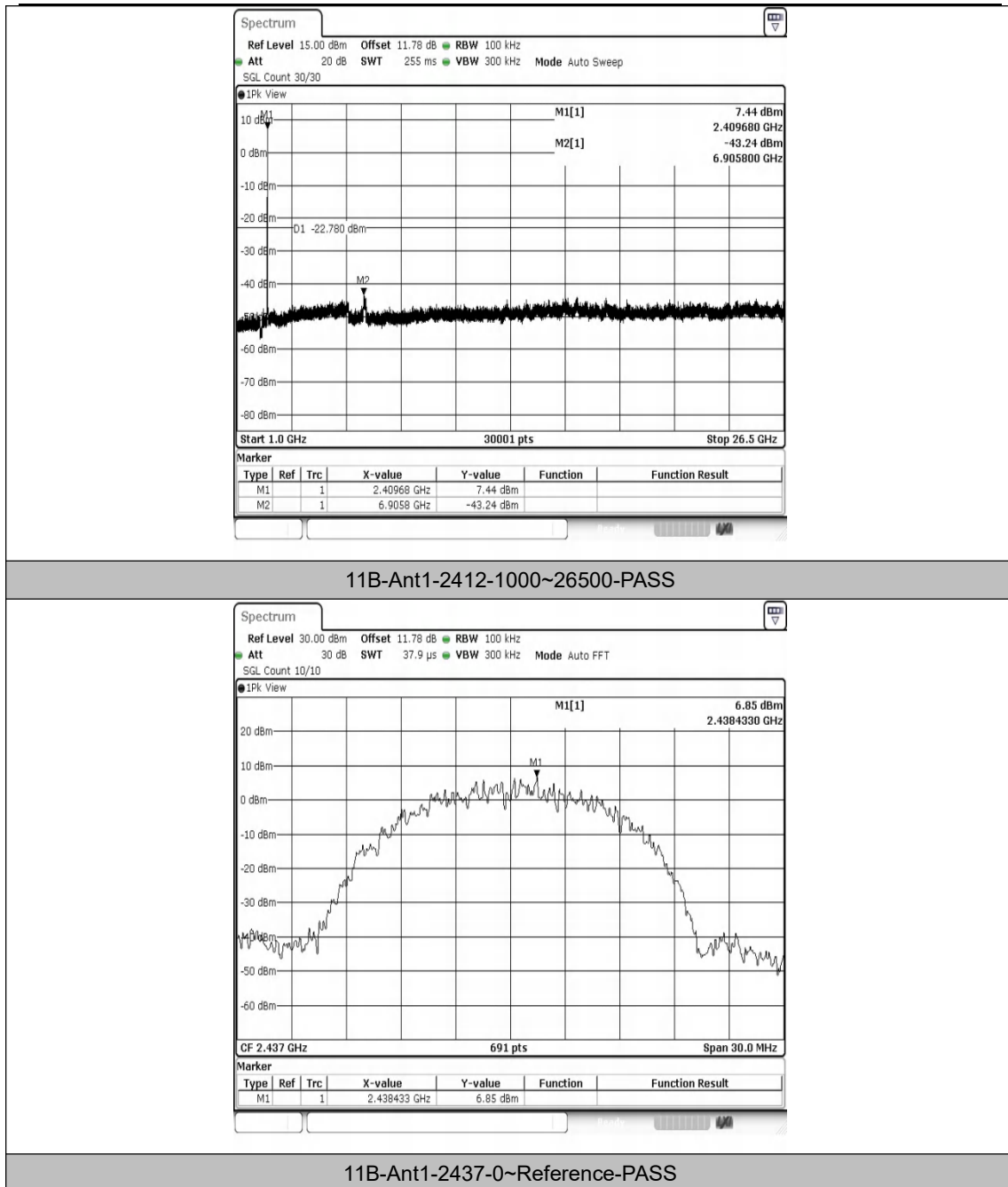


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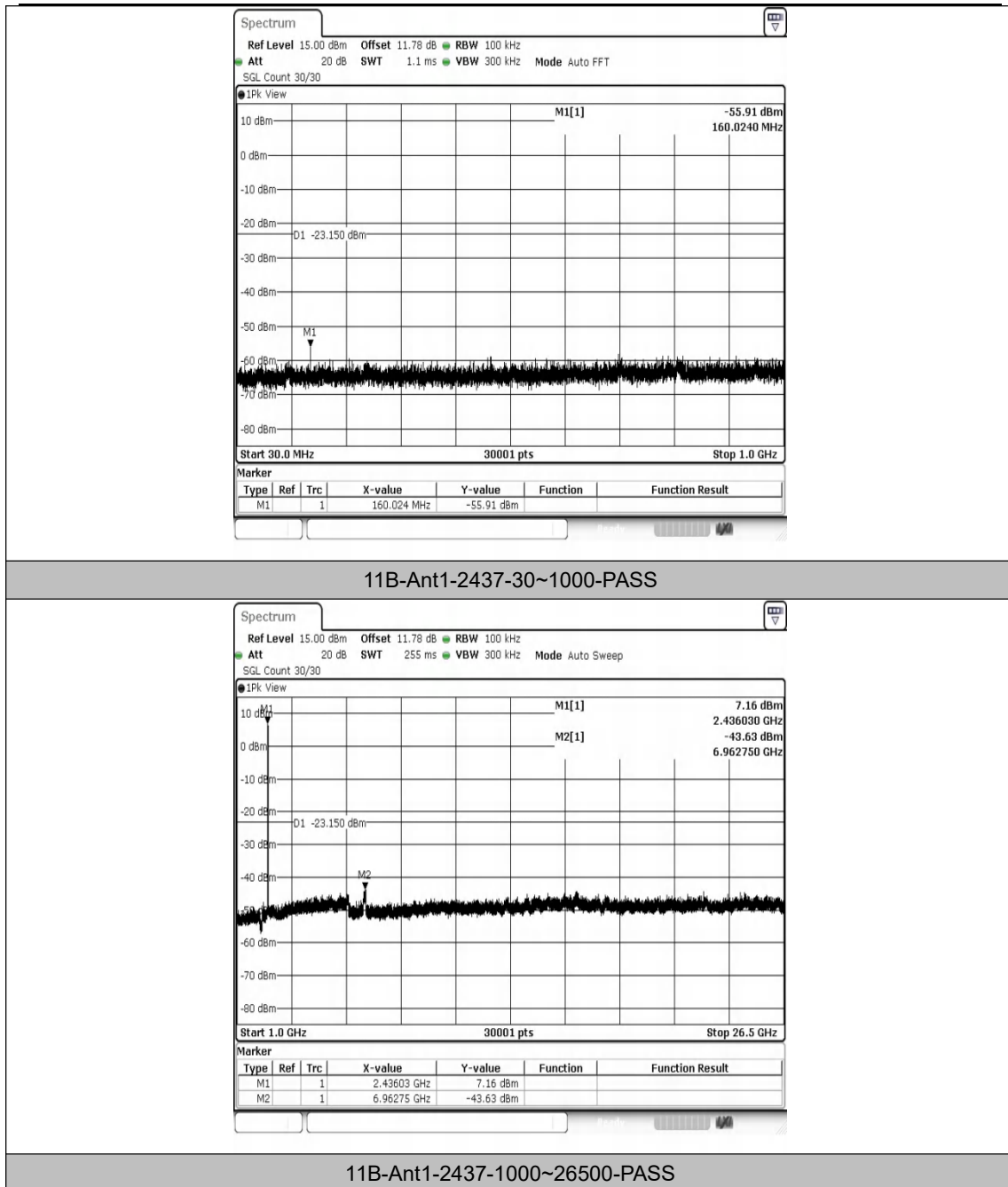


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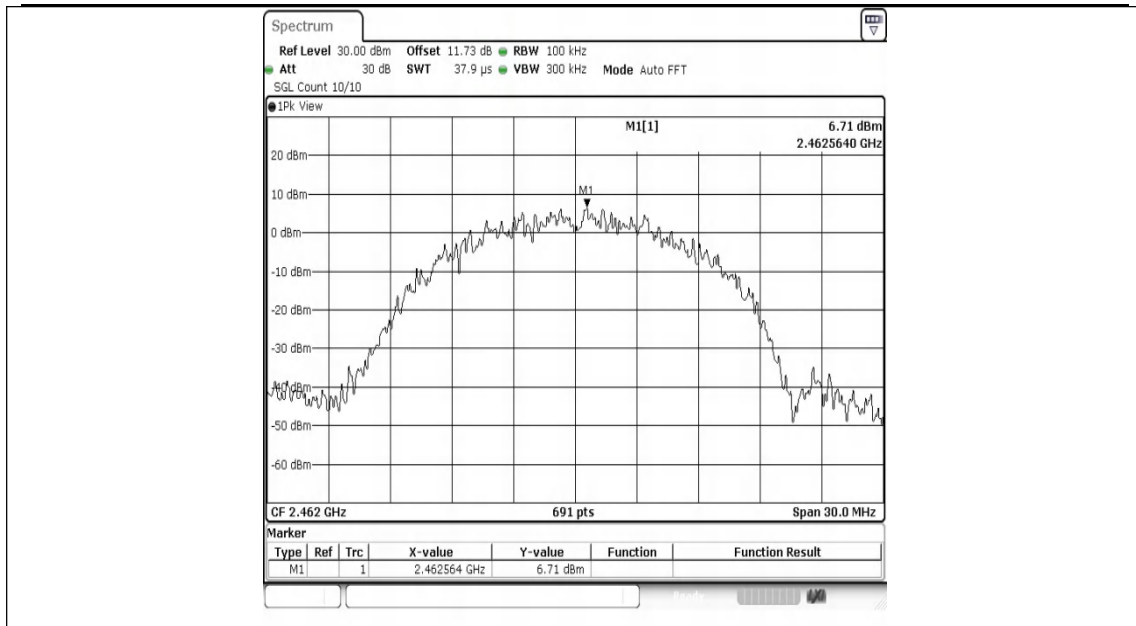


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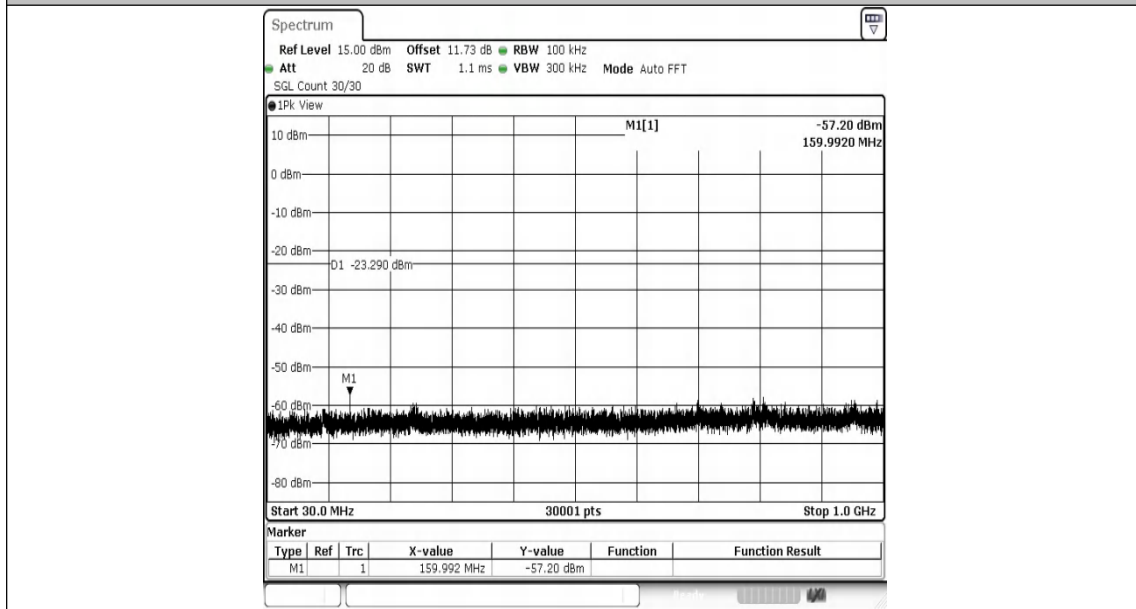
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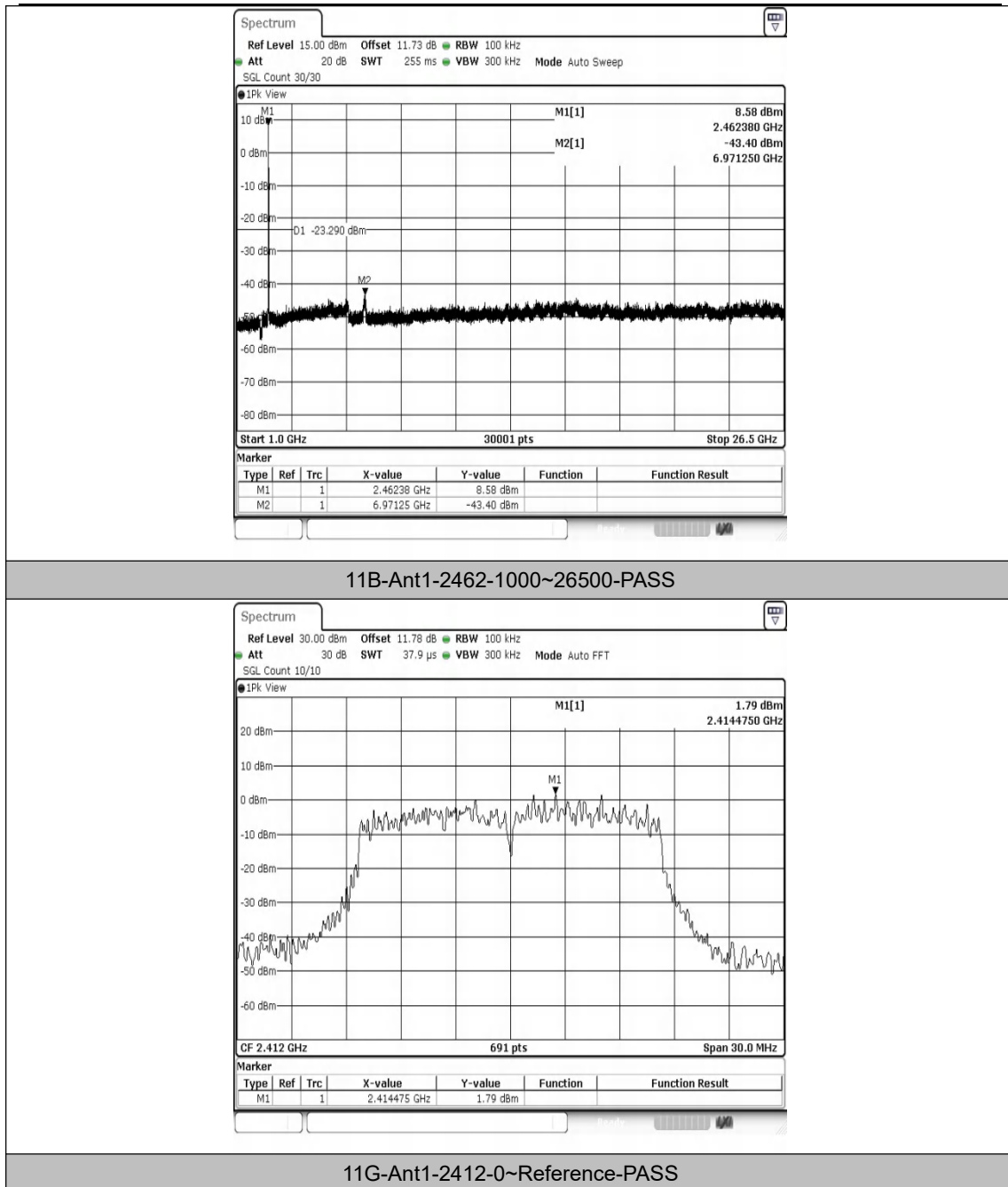


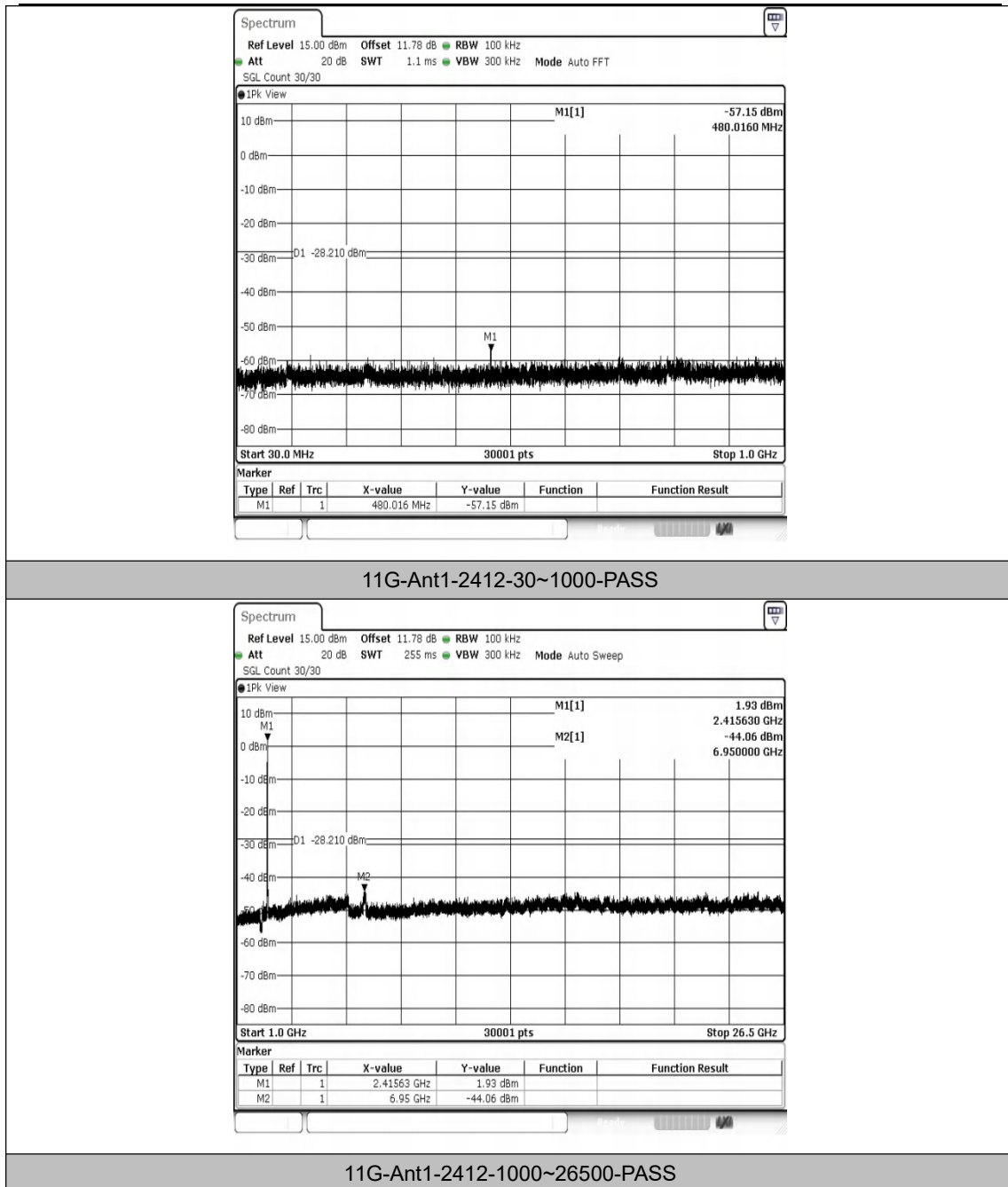
11B-Ant1-2462-0~Reference-PASS



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





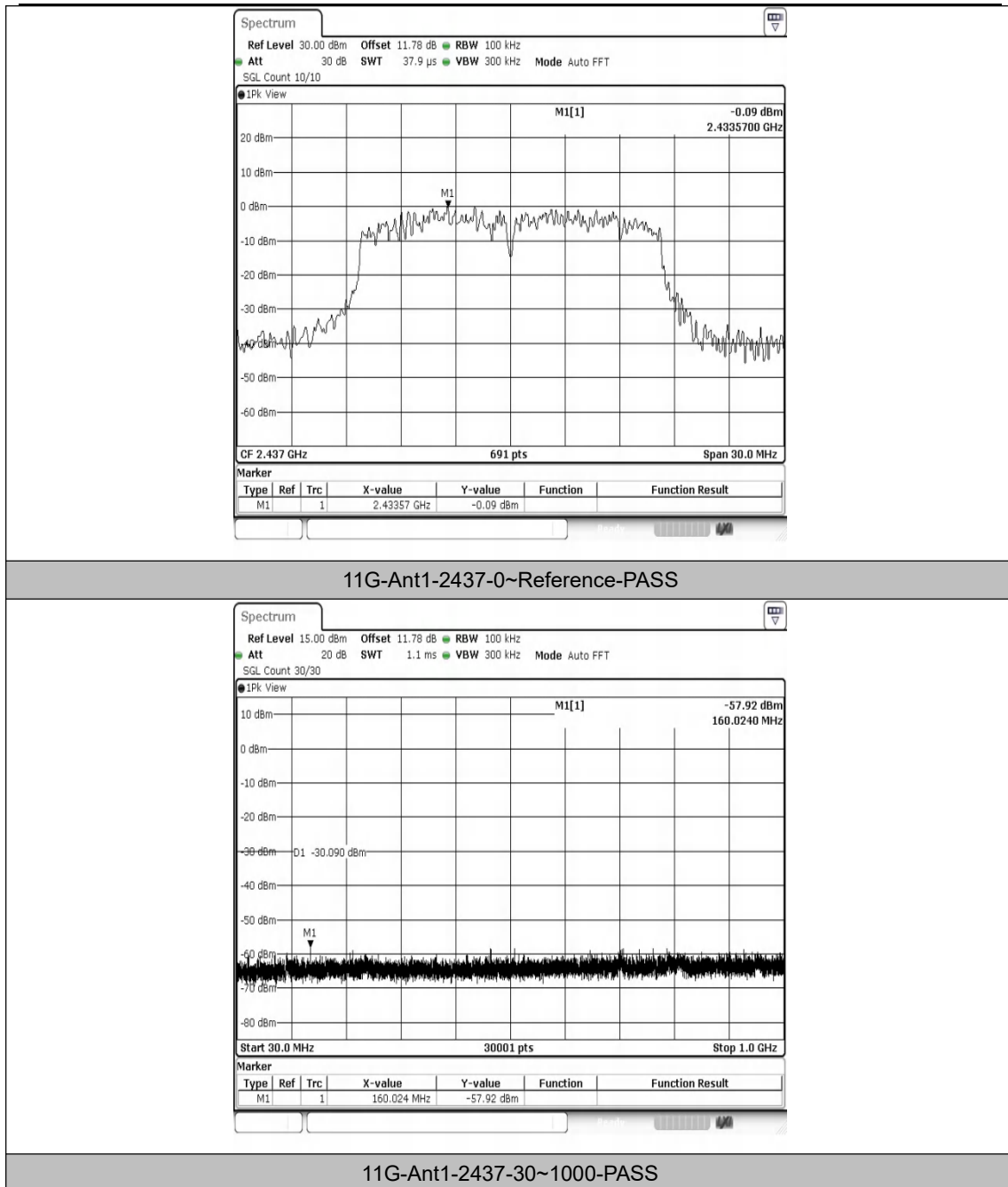


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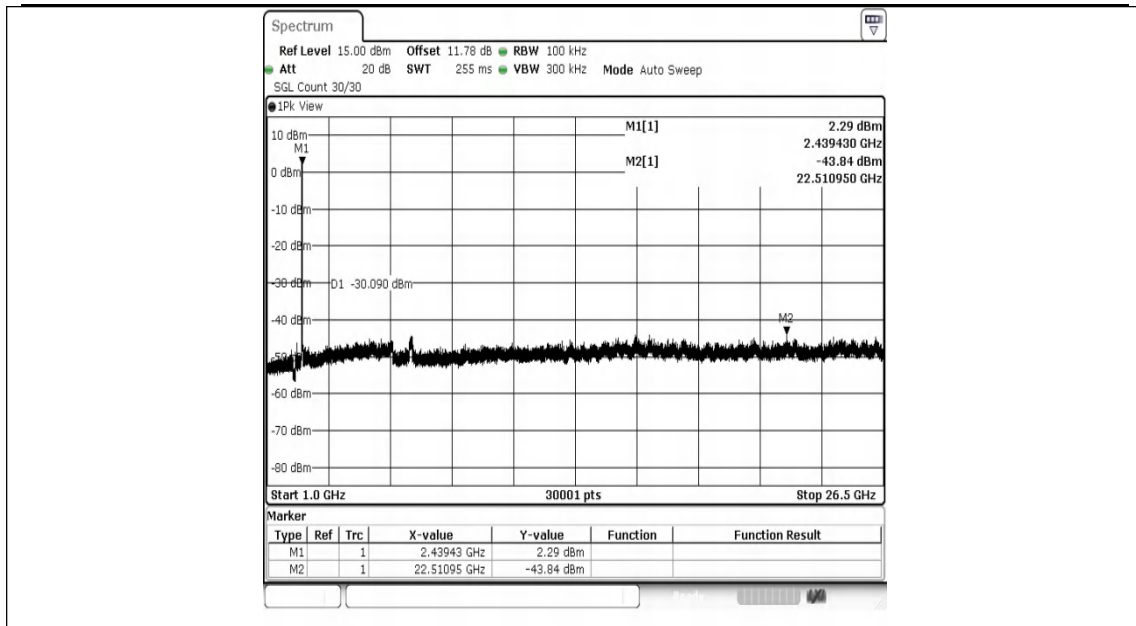


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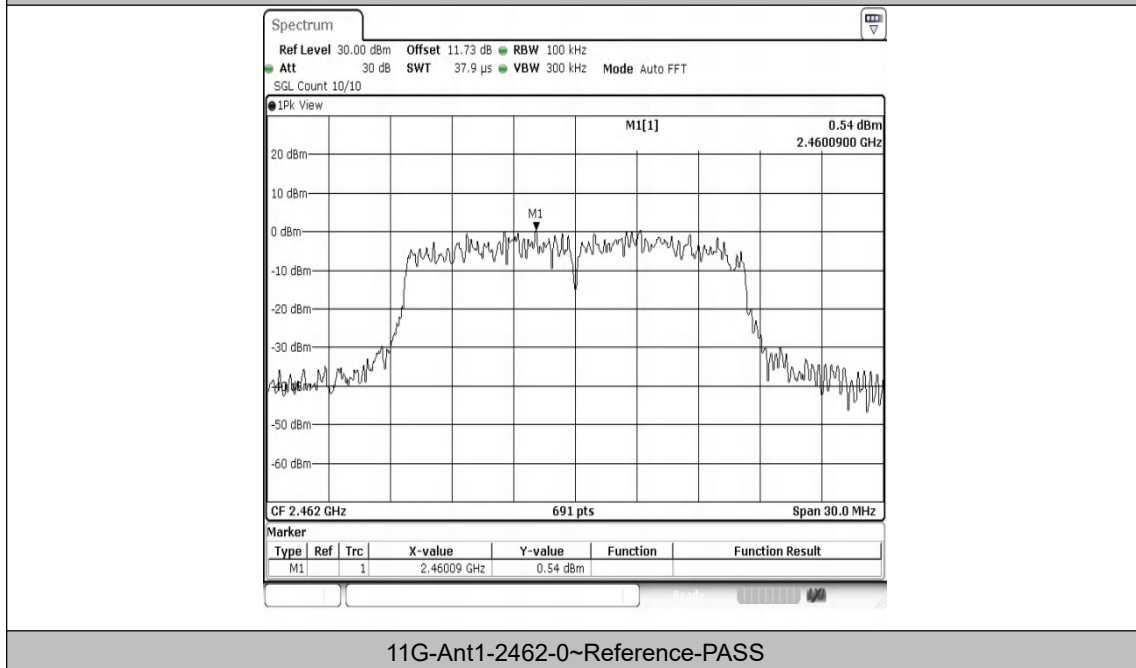
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com

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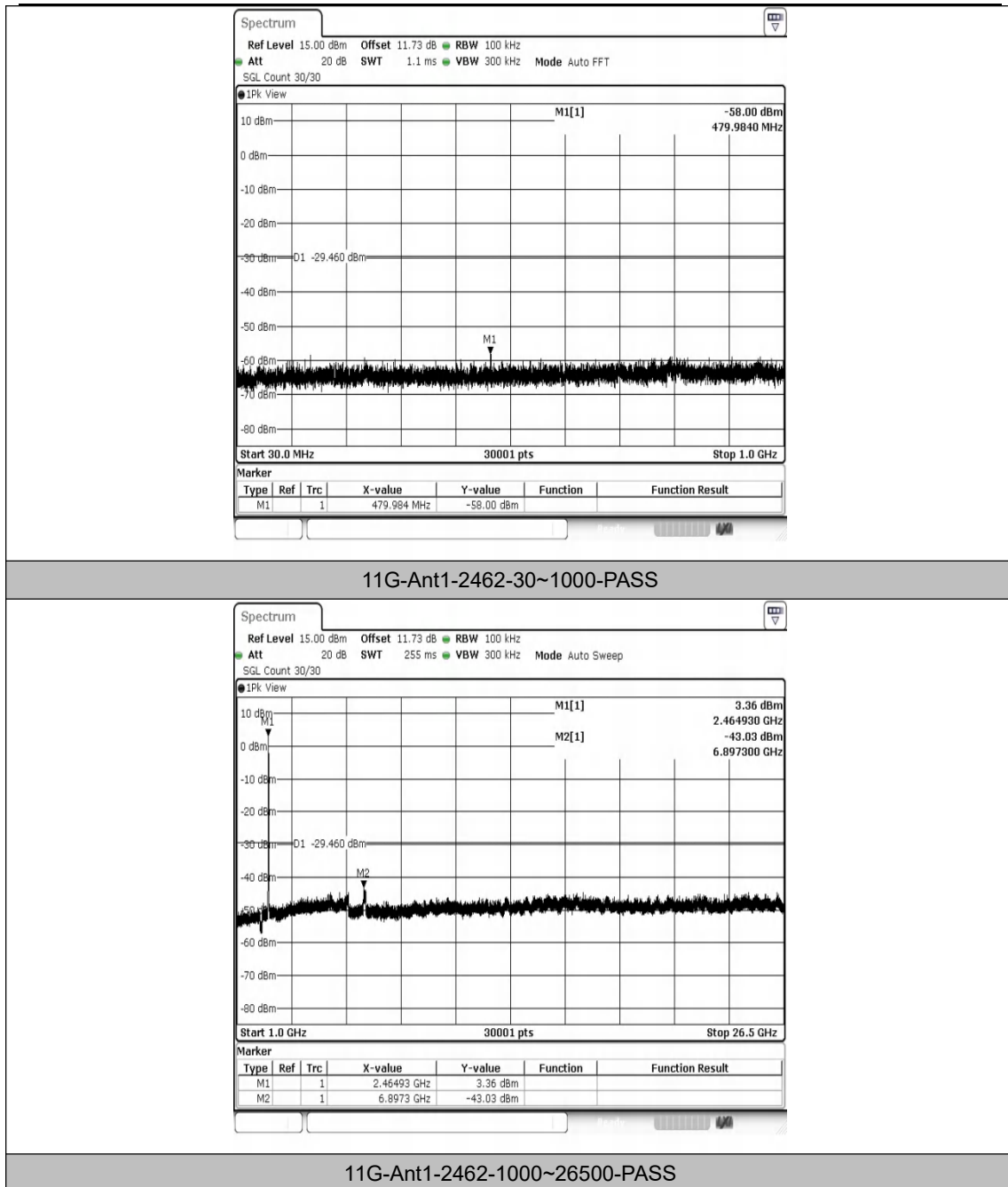


11G-Ant1-2437-1000~26500-PASS



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



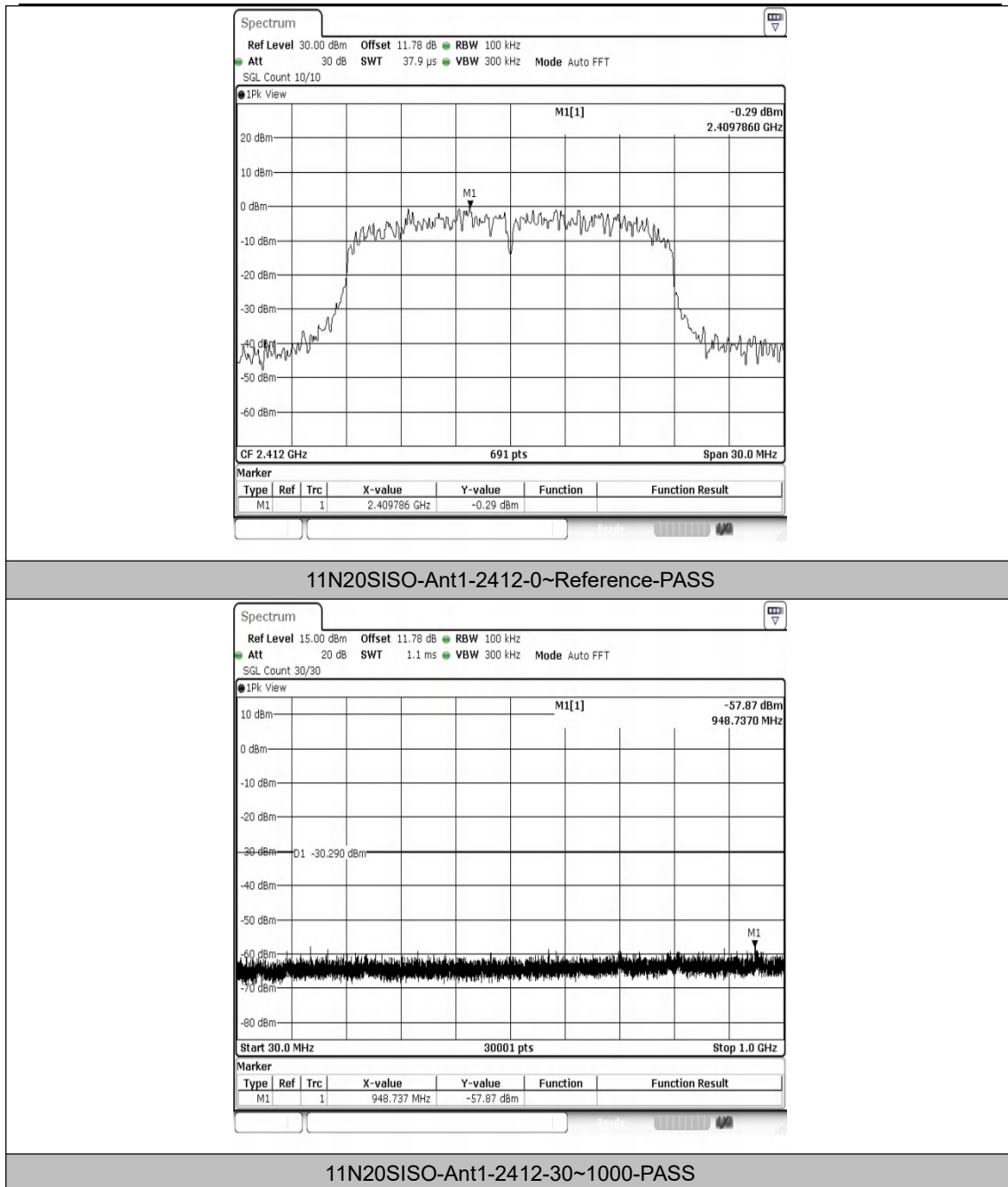


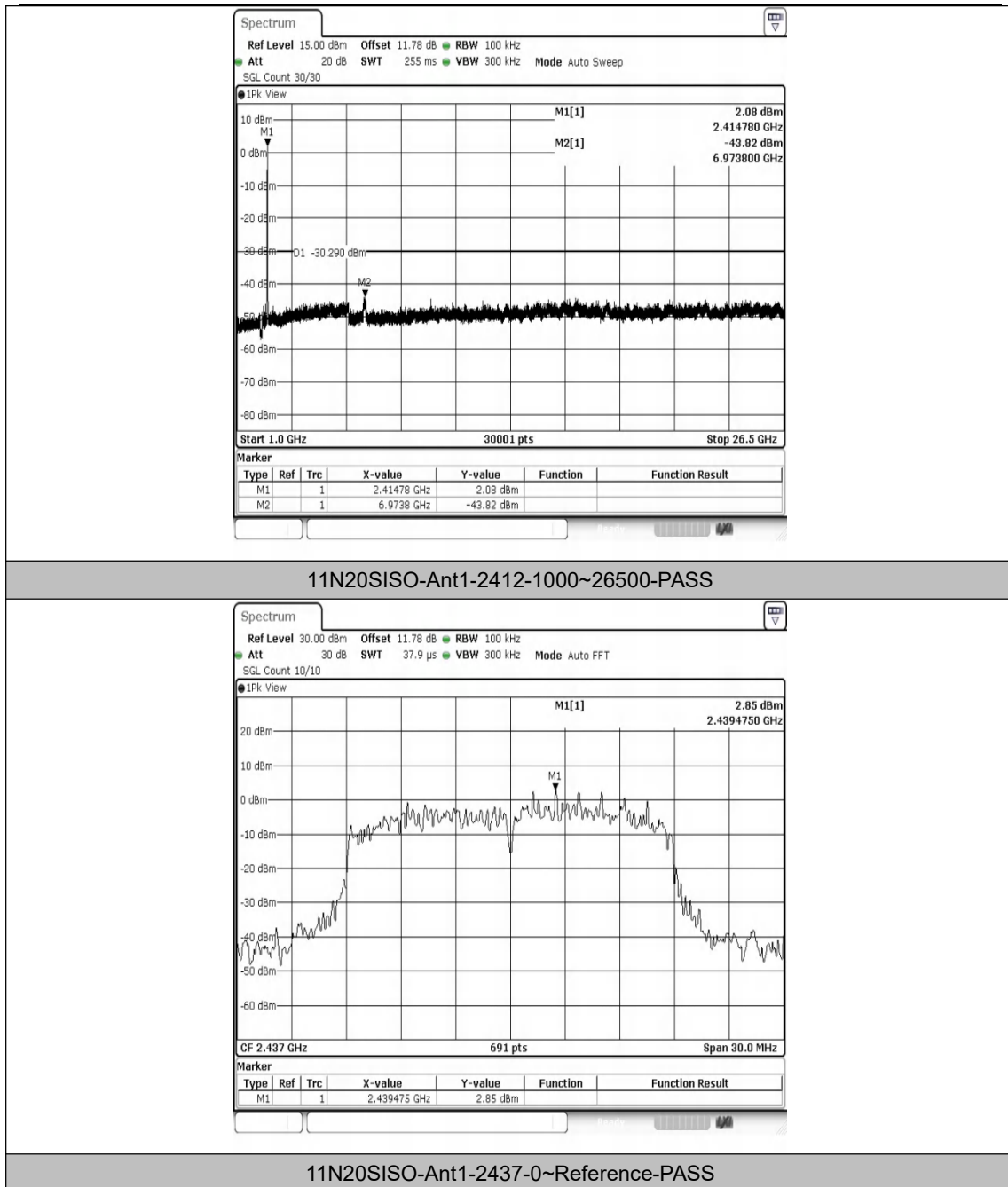
Shenzhen Anbotek Compliance Laboratory Limited

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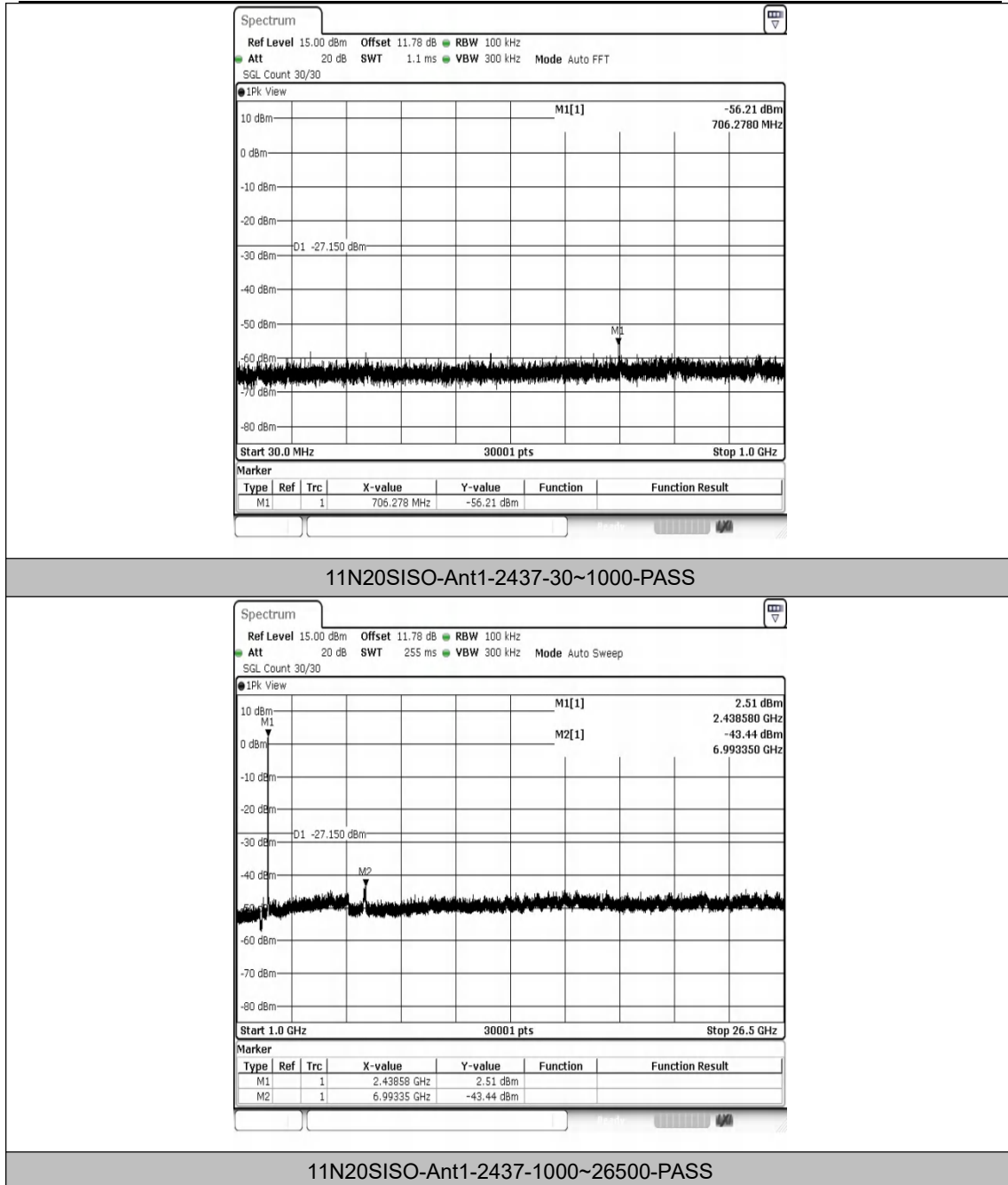


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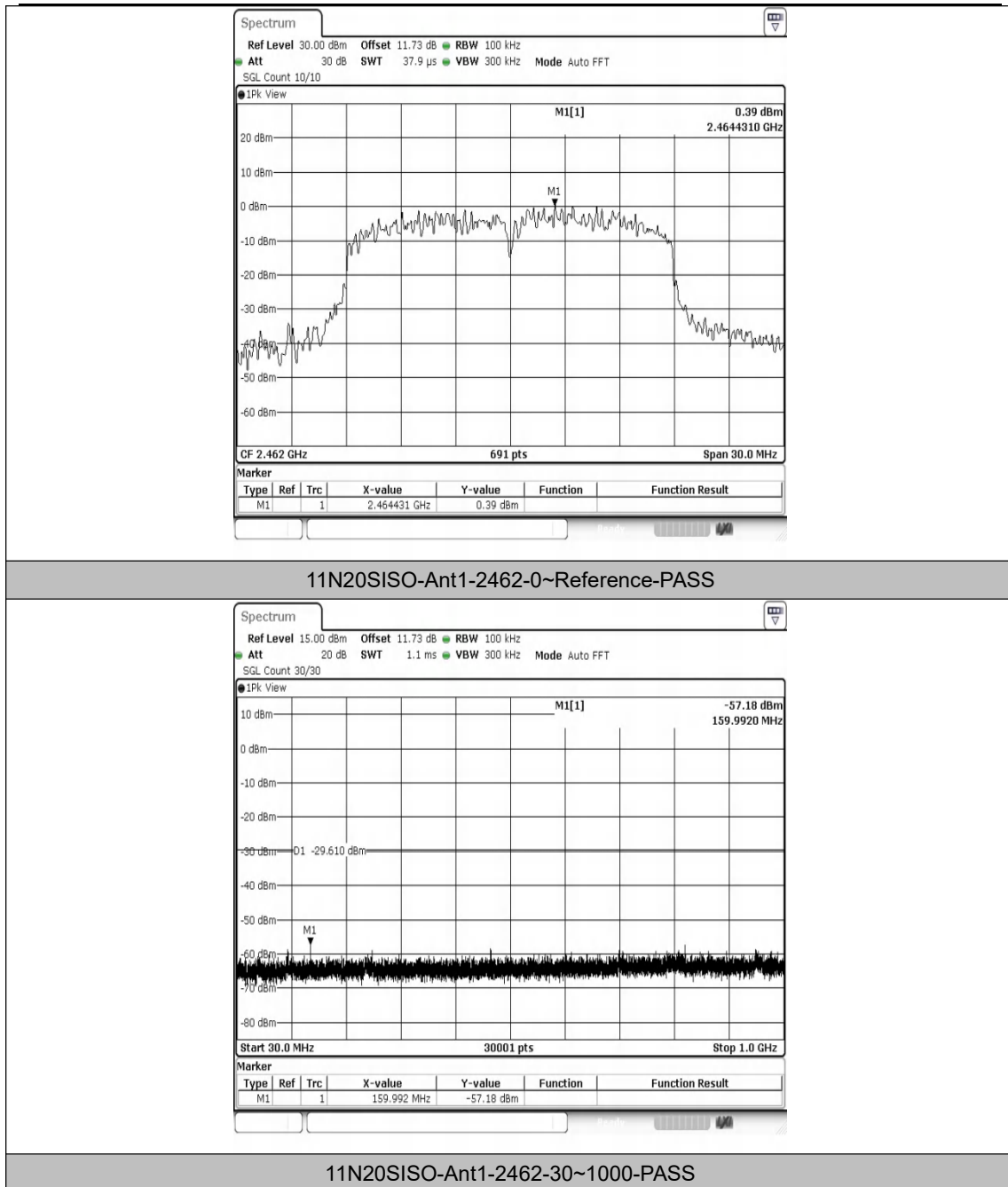


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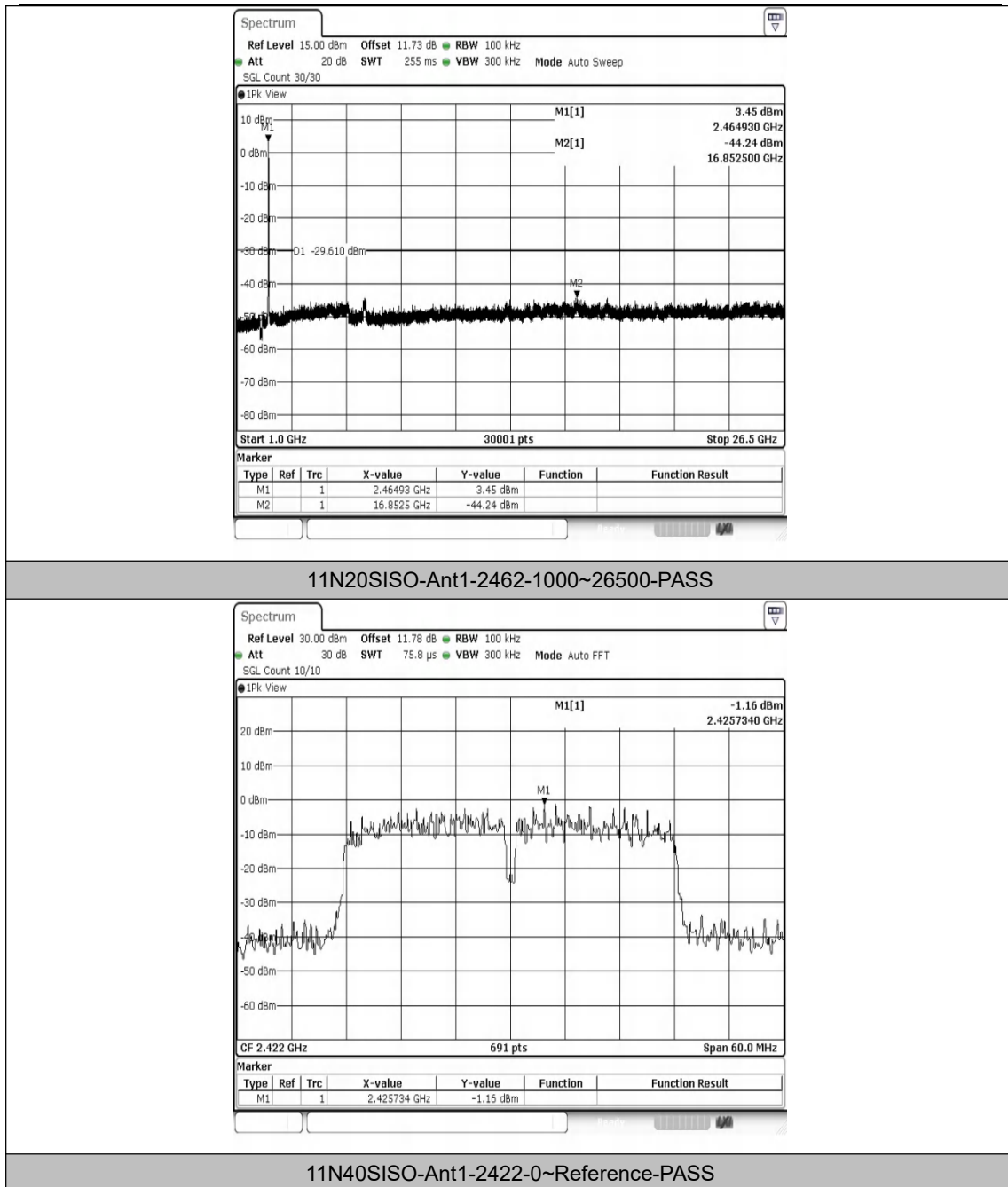


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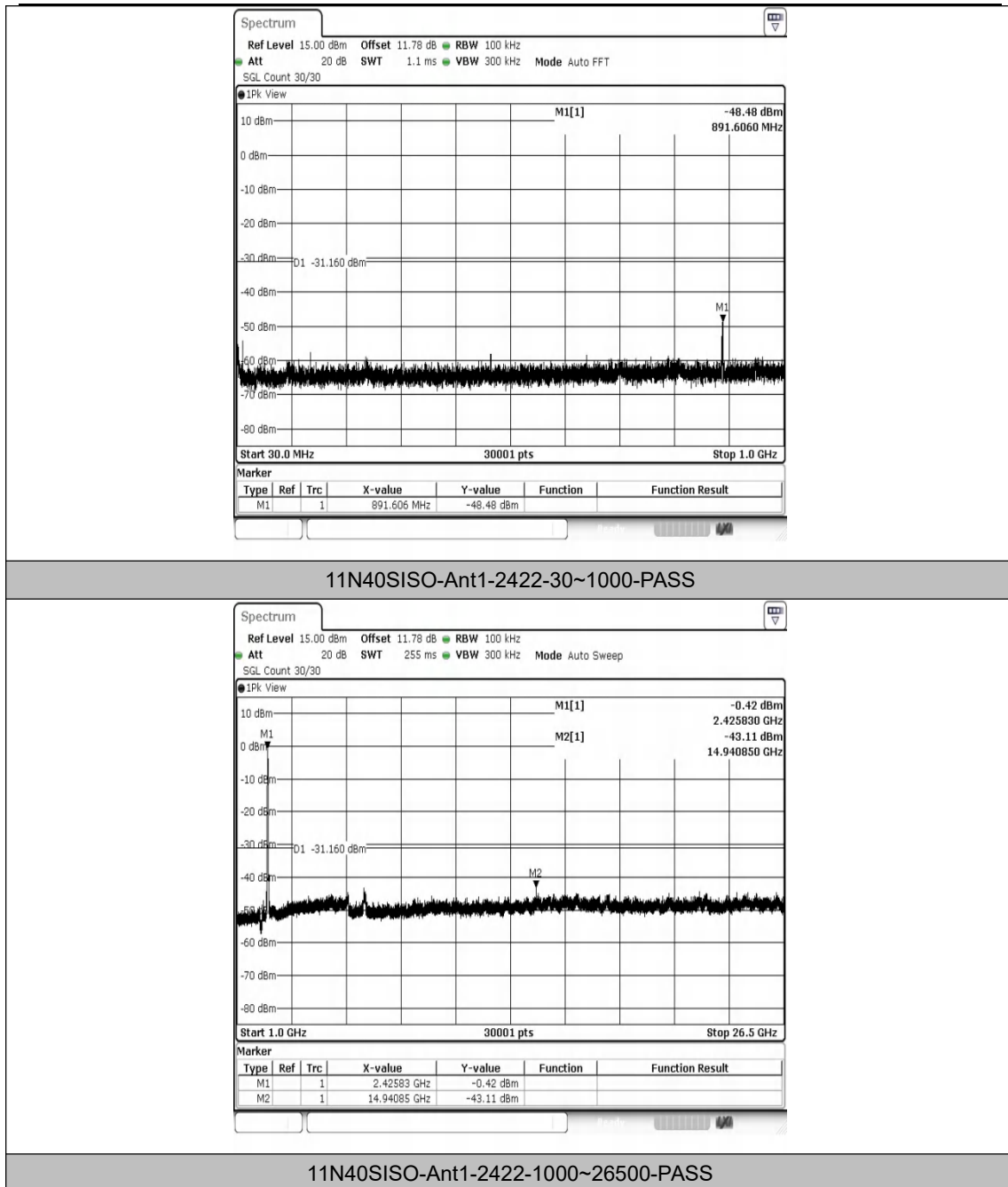


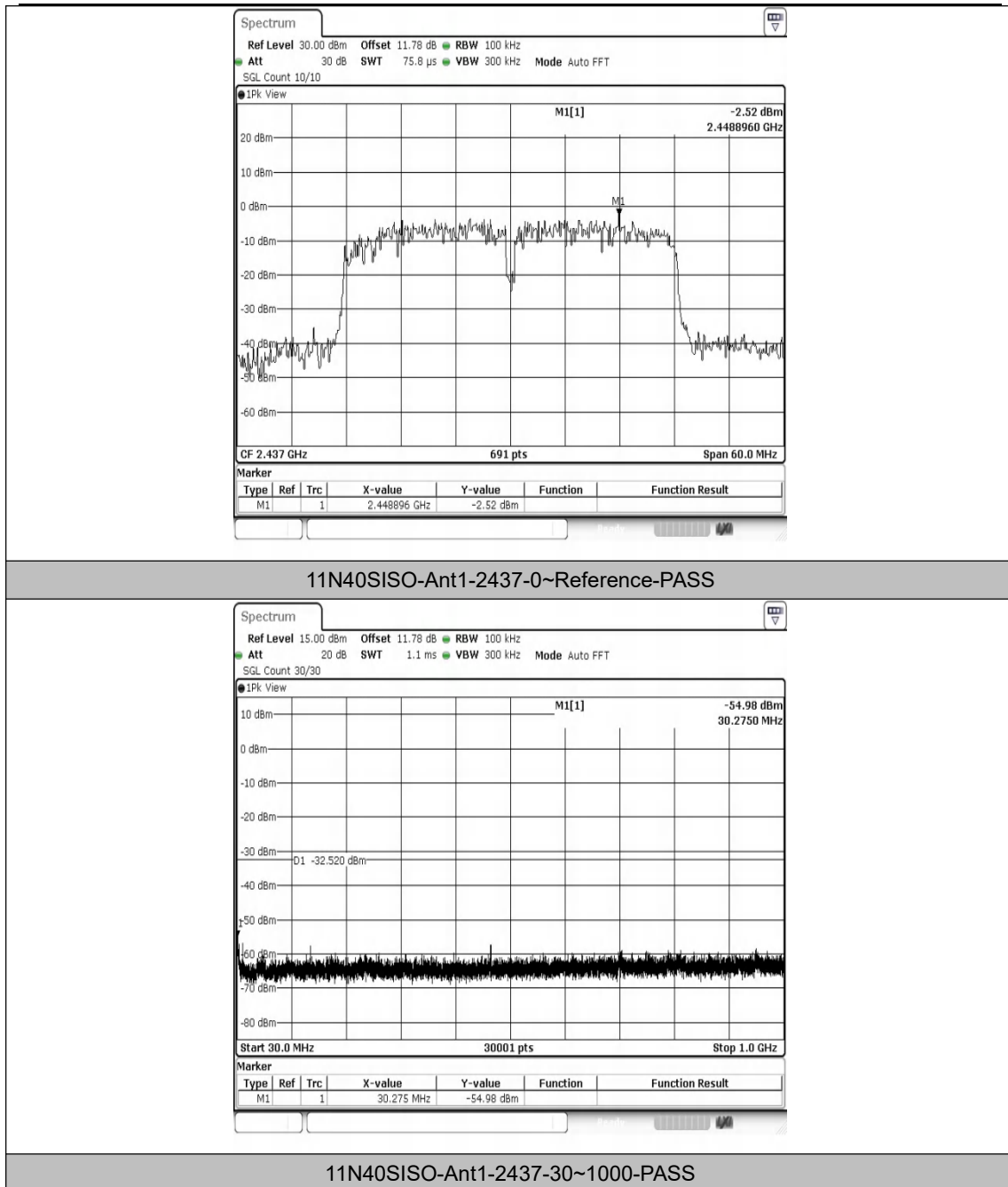
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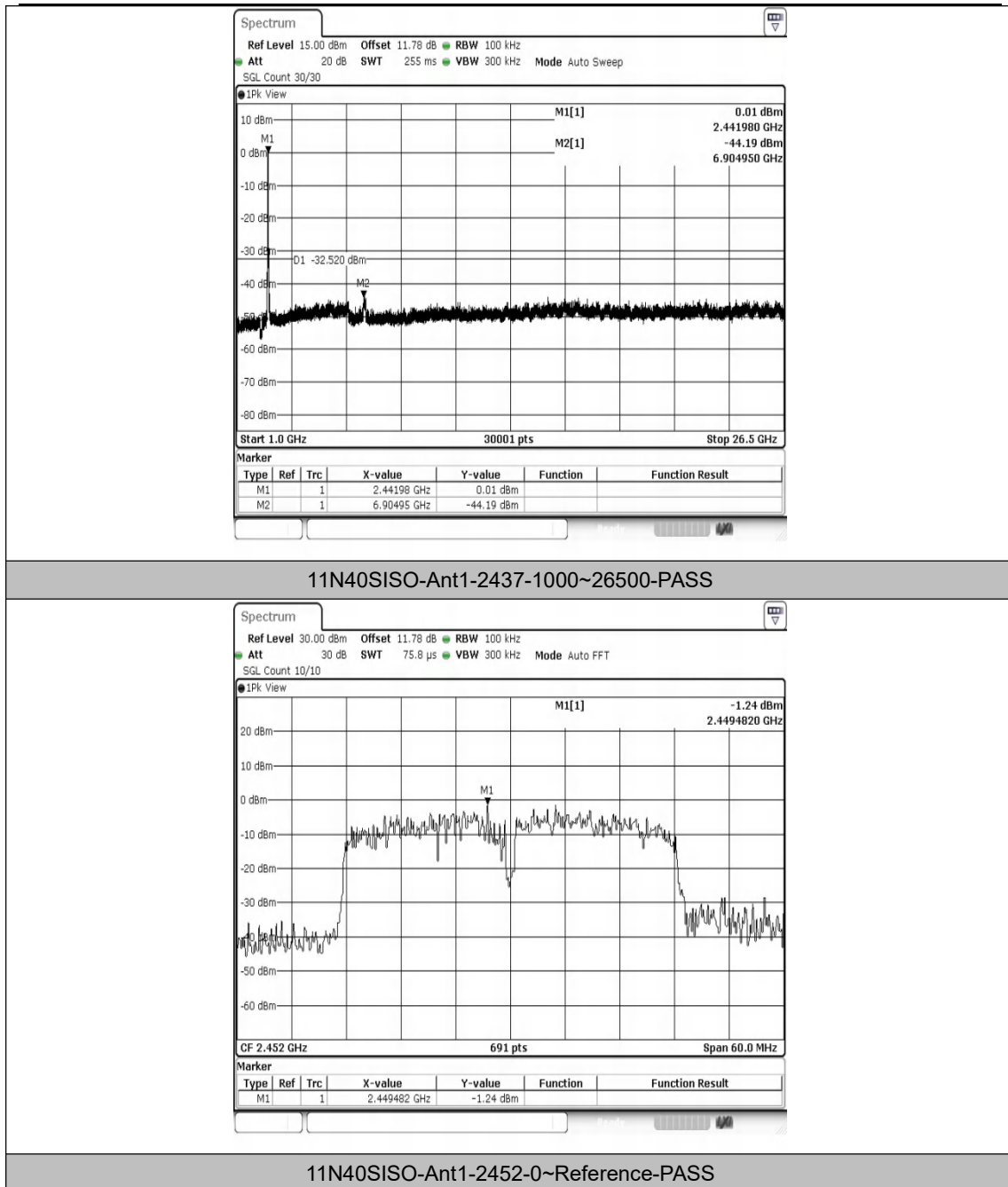


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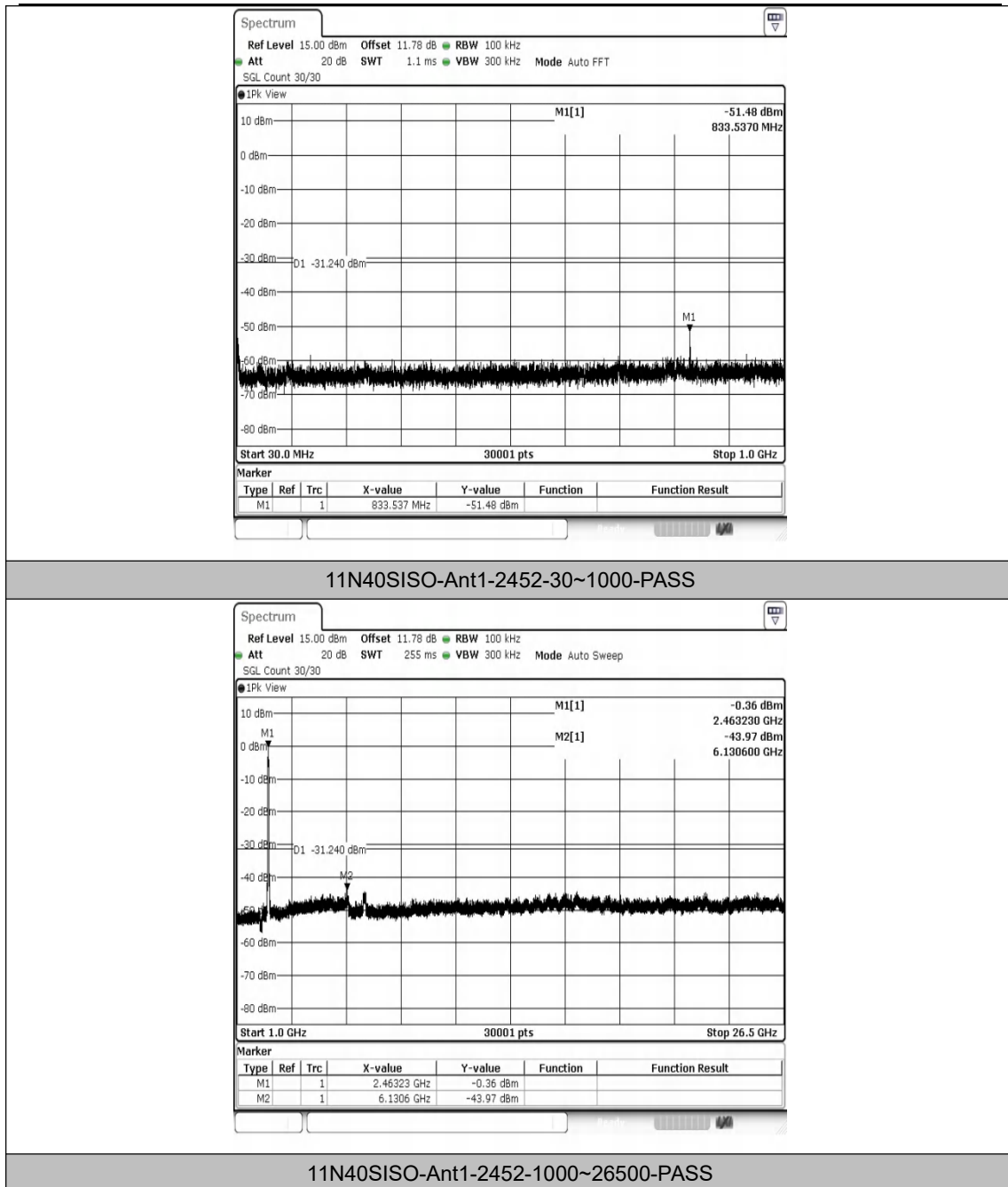


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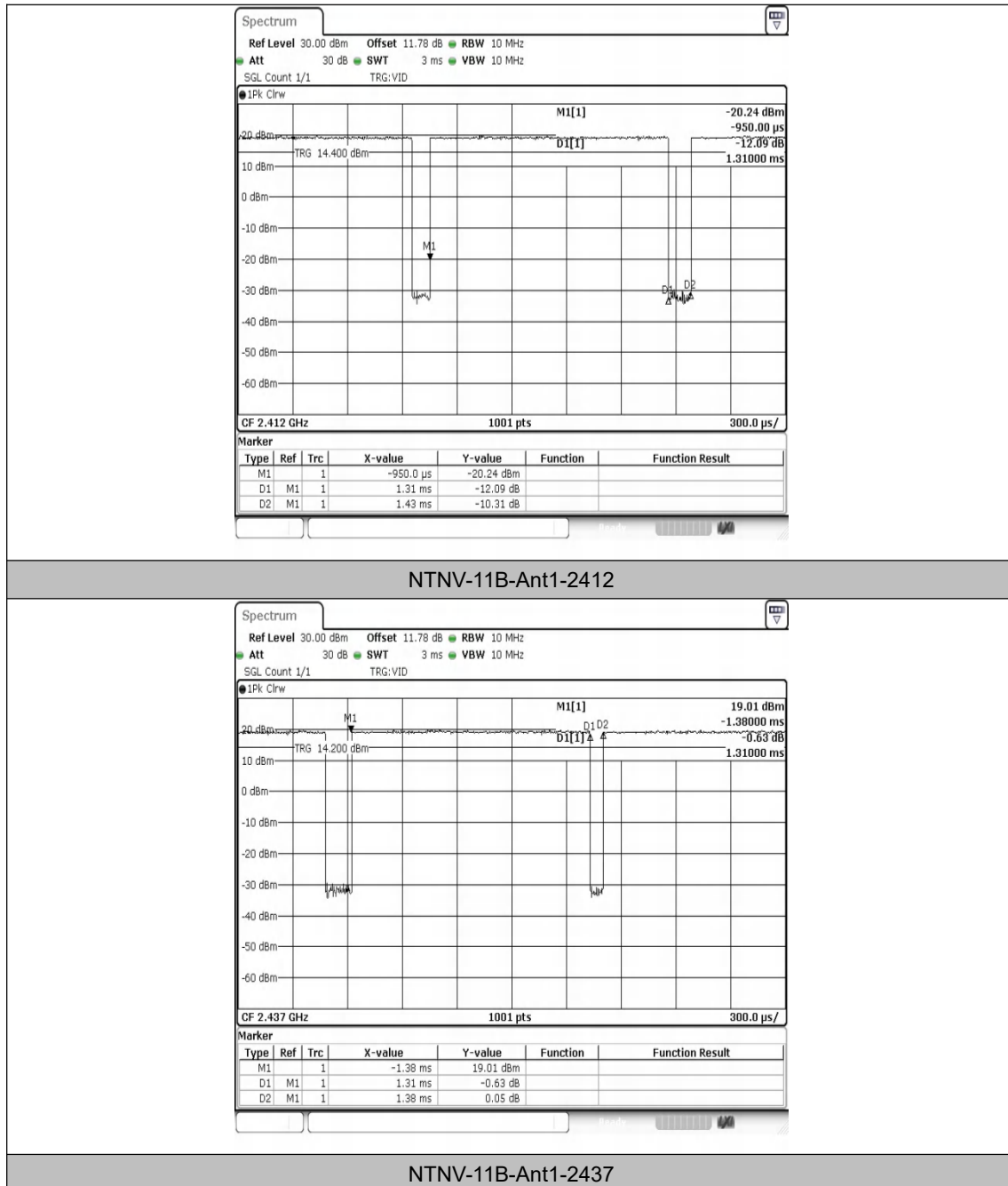
Appendix G: Duty Cycle

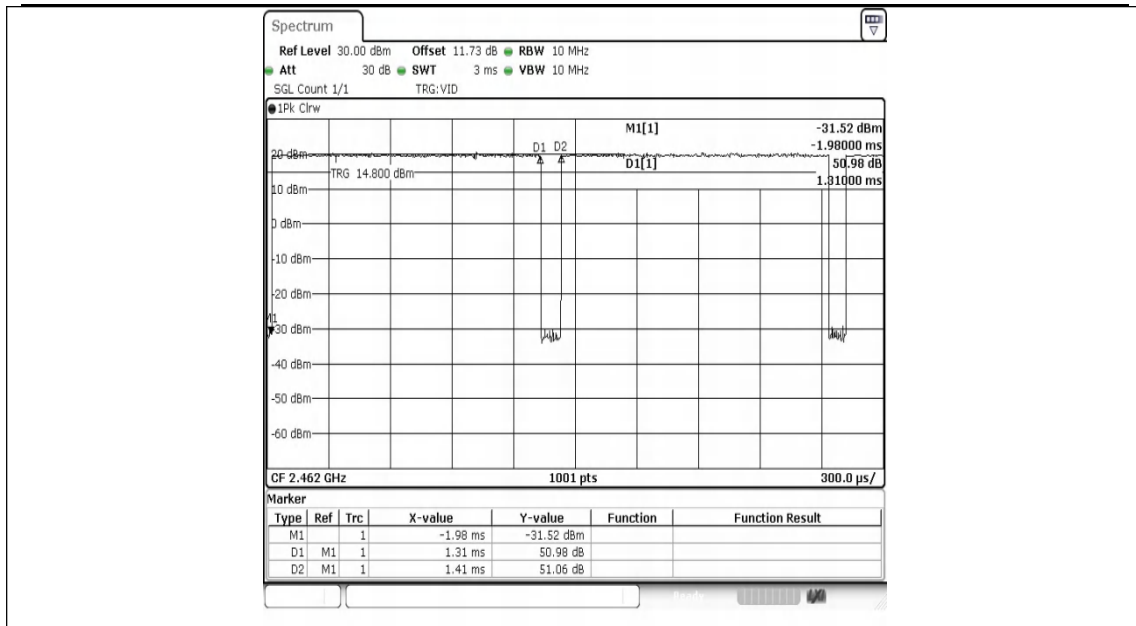
Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	1.31	1.43	91.61	0.38
11B	Ant1	2437	1.31	1.38	94.93	0.23
11B	Ant1	2462	1.31	1.41	92.91	0.32
11G	Ant1	2412	0.24	0.41	58.54	2.33
11G	Ant1	2437	0.24	0.38	63.16	2.00
11G	Ant1	2462	0.25	0.41	60.98	2.15
11N20SISO	Ant1	2412	0.23	0.39	58.97	2.29
11N20SISO	Ant1	2437	0.23	0.39	58.97	2.29
11N20SISO	Ant1	2462	0.23	0.32	71.88	1.43
11N40SISO	Ant1	2422	0.13	0.28	46.43	3.33
11N40SISO	Ant1	2437	0.13	0.28	46.43	3.33
11N40SISO	Ant1	2452	0.12	0.27	44.44	3.52

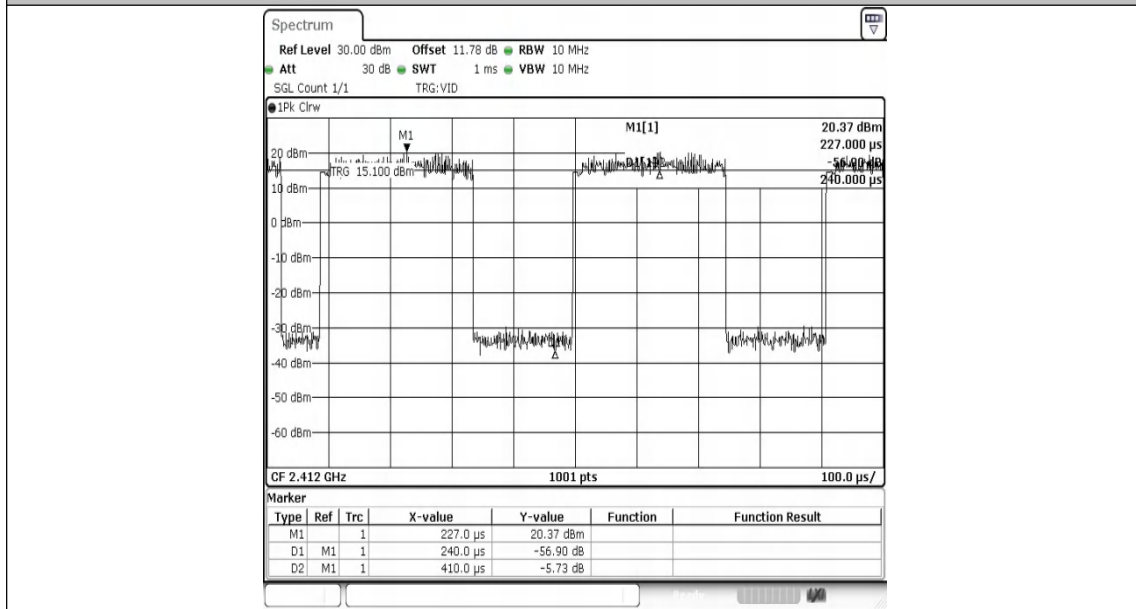


Test Graphs



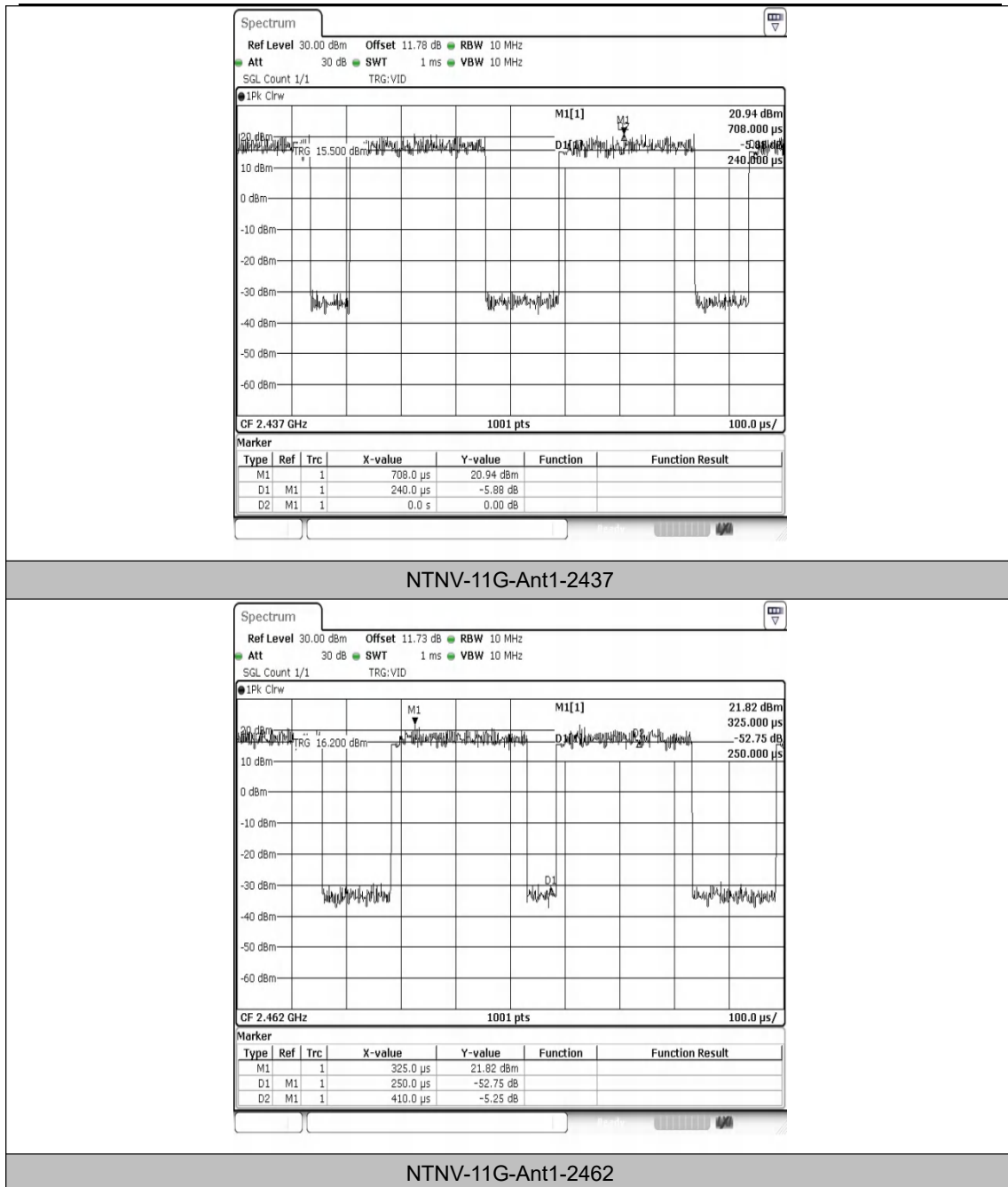


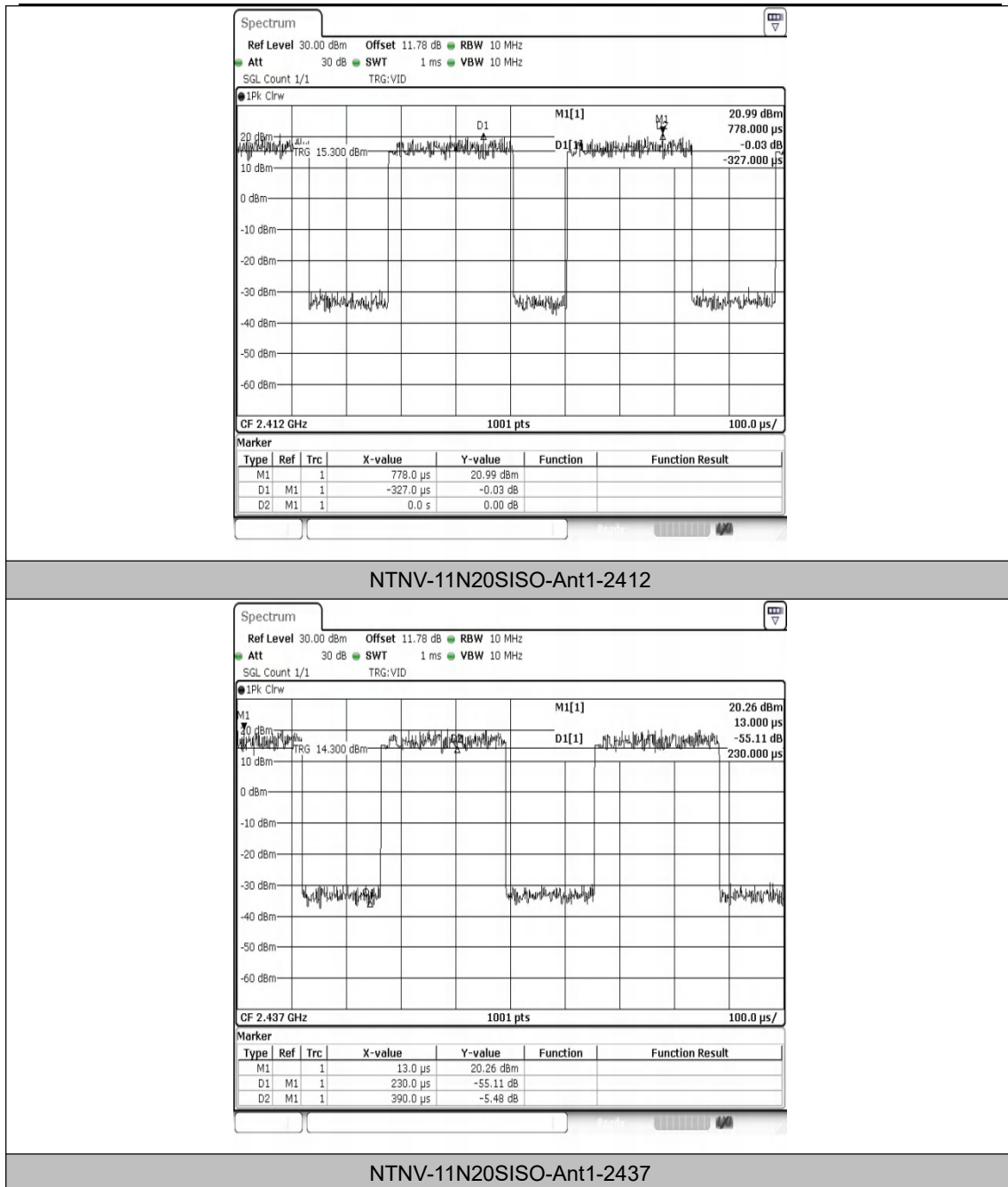
NTNV-11B-Ant1-2462

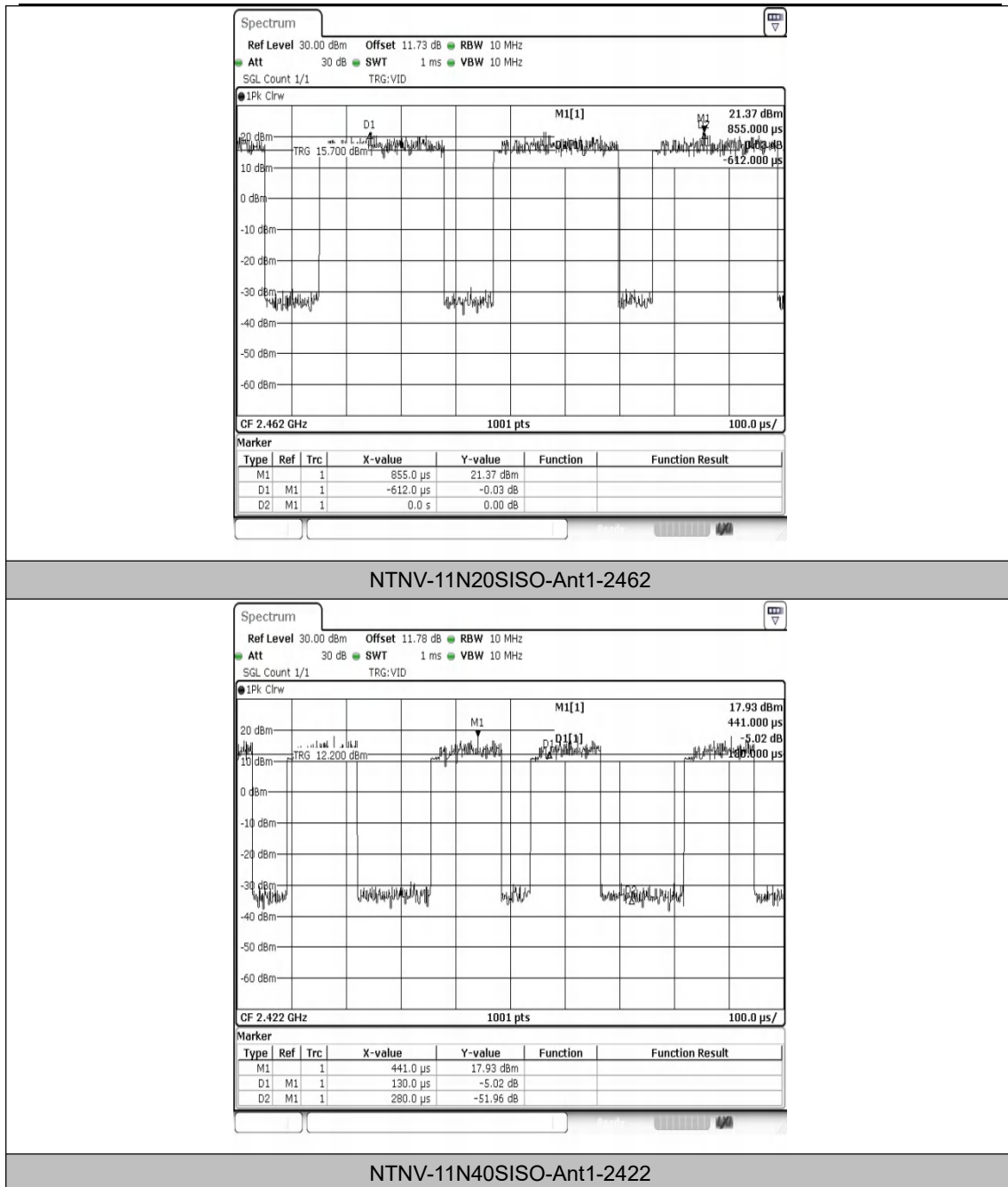


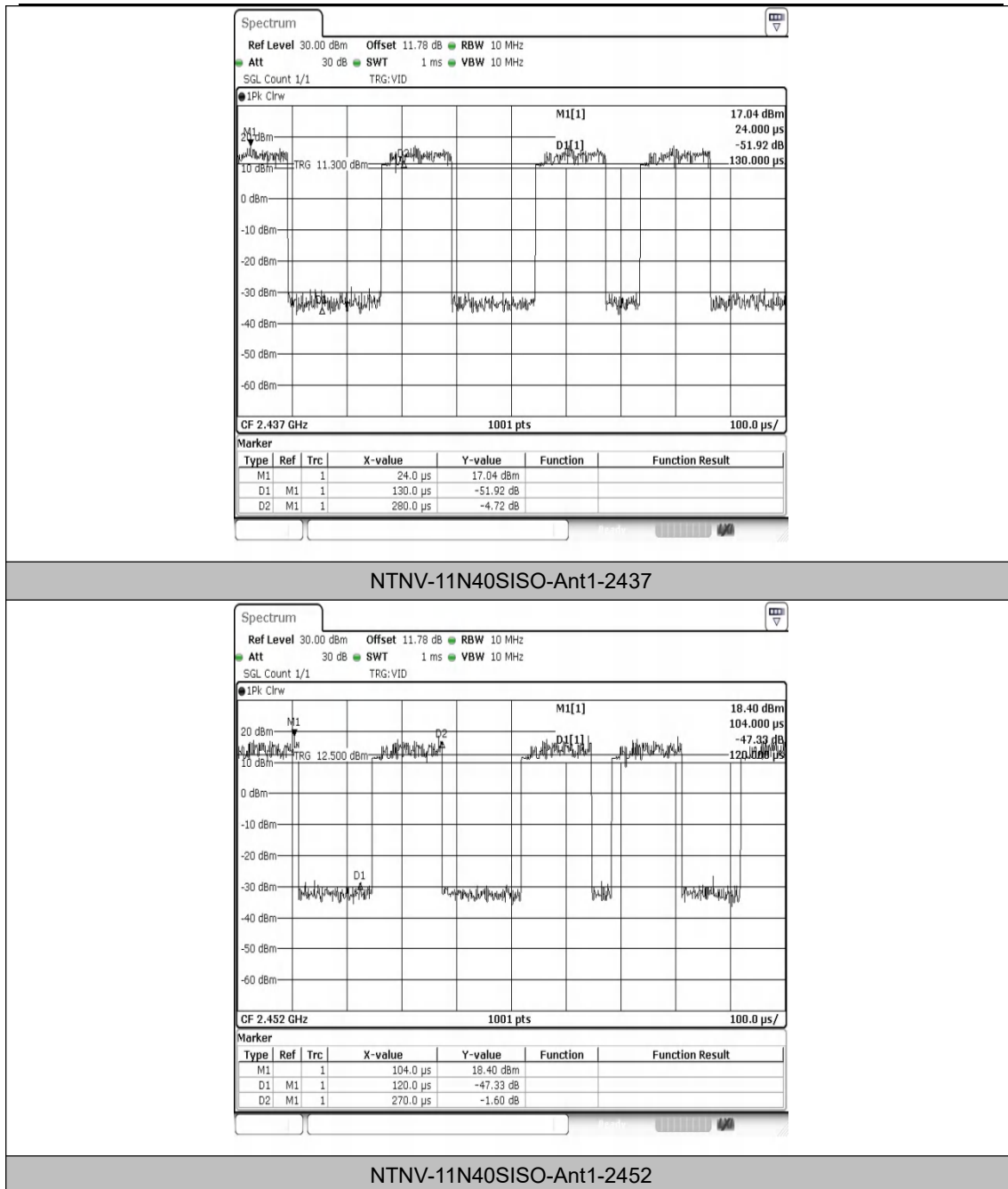
NTNV-11G-Ant1-2412











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