

Appendix Test Data

Report No.:	1812C40148612501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.20	Finish Test Date:	2024.11.26
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.2°C	Relative Humidity:	52%
Pressure:	101kPa		

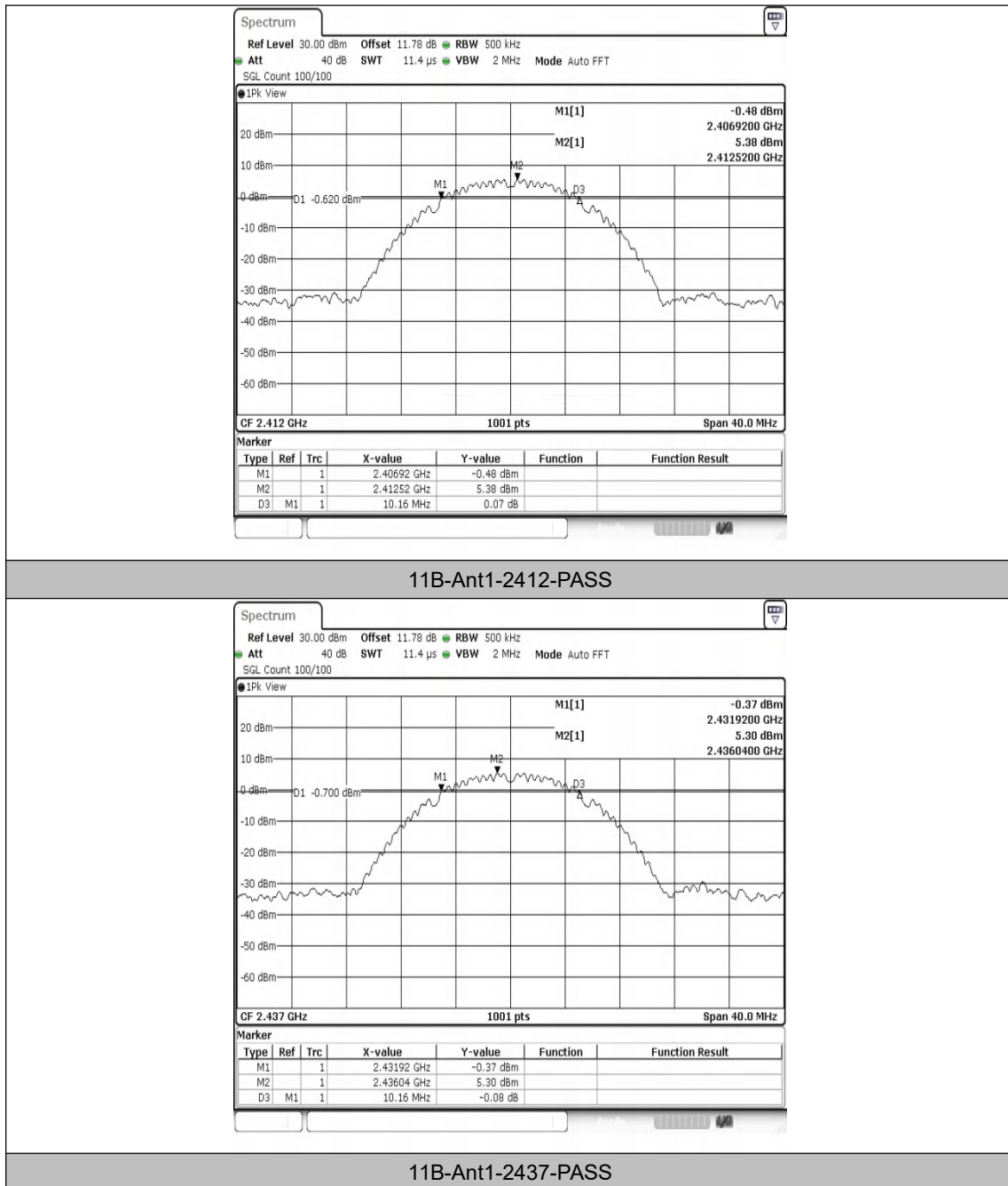
Appendix A: 6dB Bandwidth

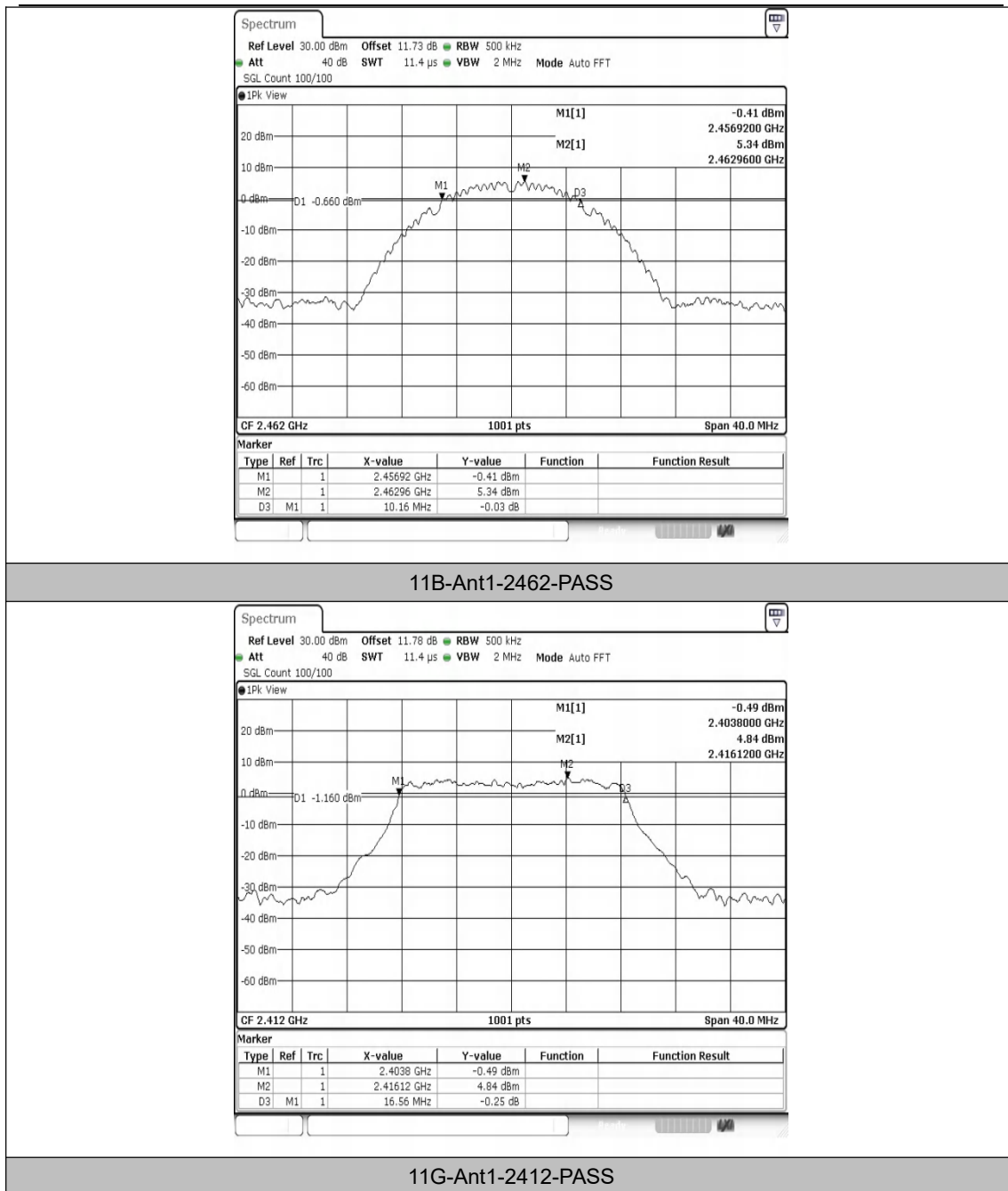
Test Result

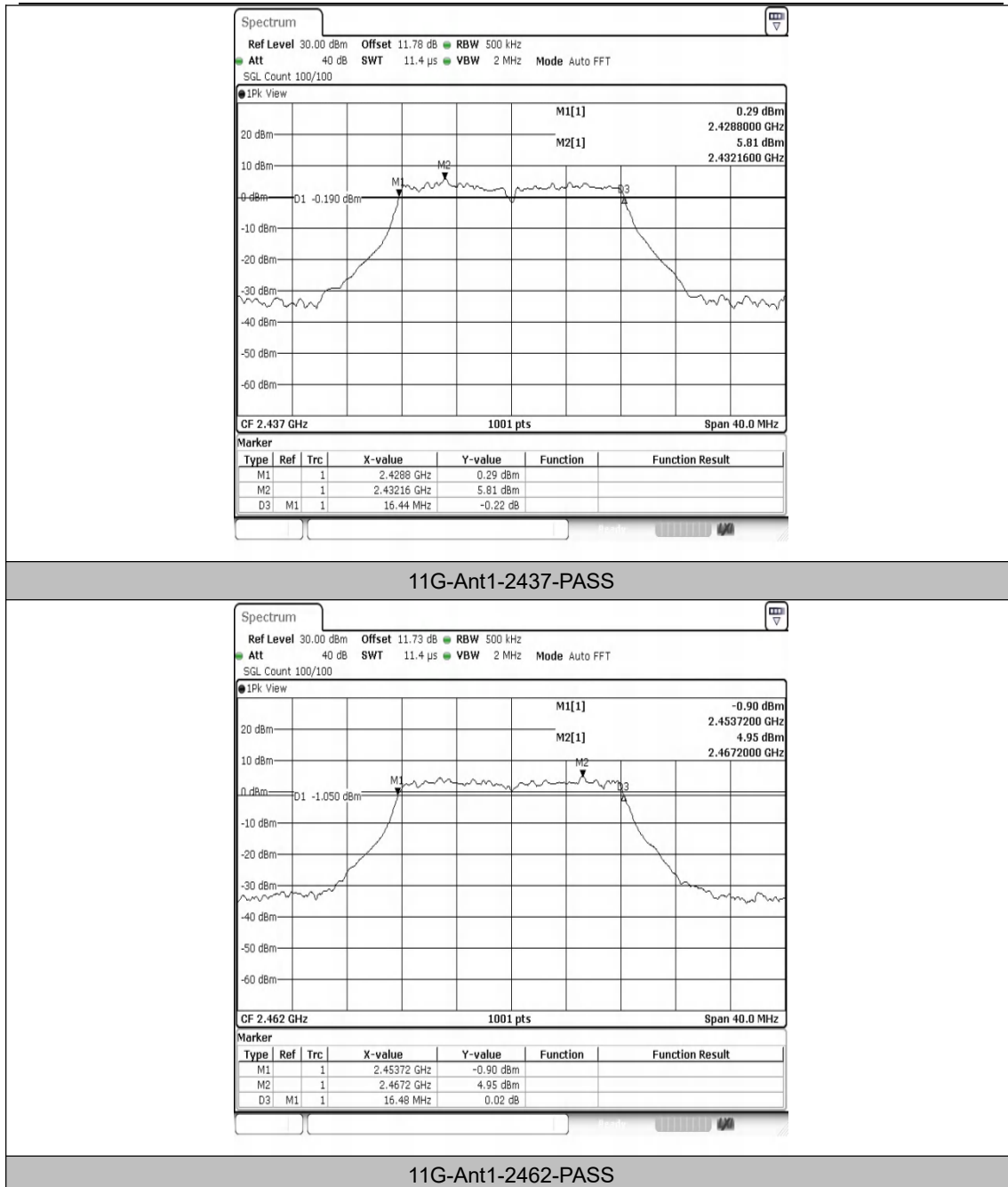
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.16	2406.92	2417.08	0.5	PASS
11B	Ant1	2437	10.16	2431.92	2442.08	0.5	PASS
11B	Ant1	2462	10.16	2456.92	2467.08	0.5	PASS
11G	Ant1	2412	16.56	2403.80	2420.36	0.5	PASS
11G	Ant1	2437	16.44	2428.80	2445.24	0.5	PASS
11G	Ant1	2462	16.48	2453.72	2470.20	0.5	PASS
11N20SISO	Ant1	2412	17.60	2403.24	2420.84	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.16	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.76	2453.20	2470.96	0.5	PASS

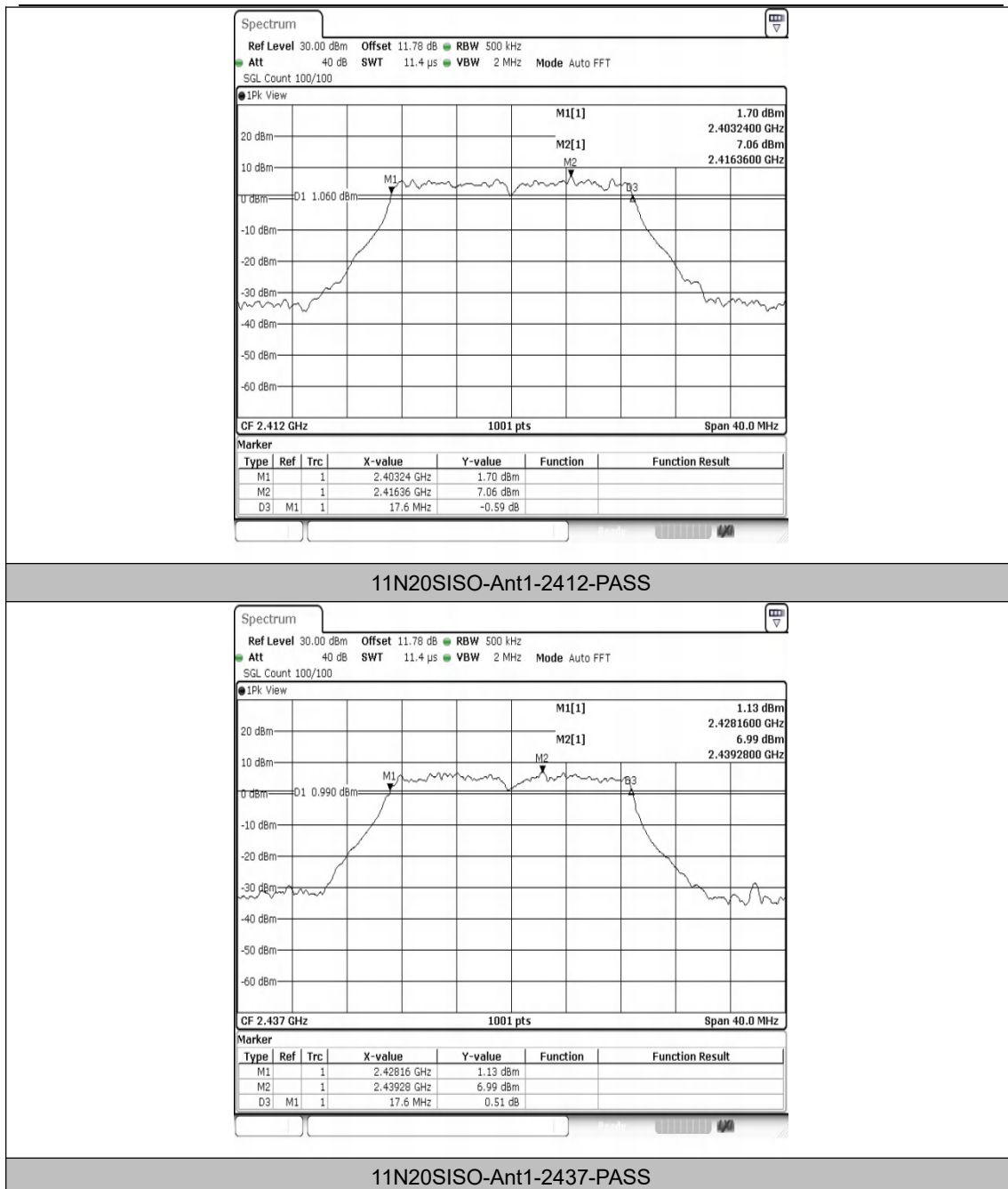


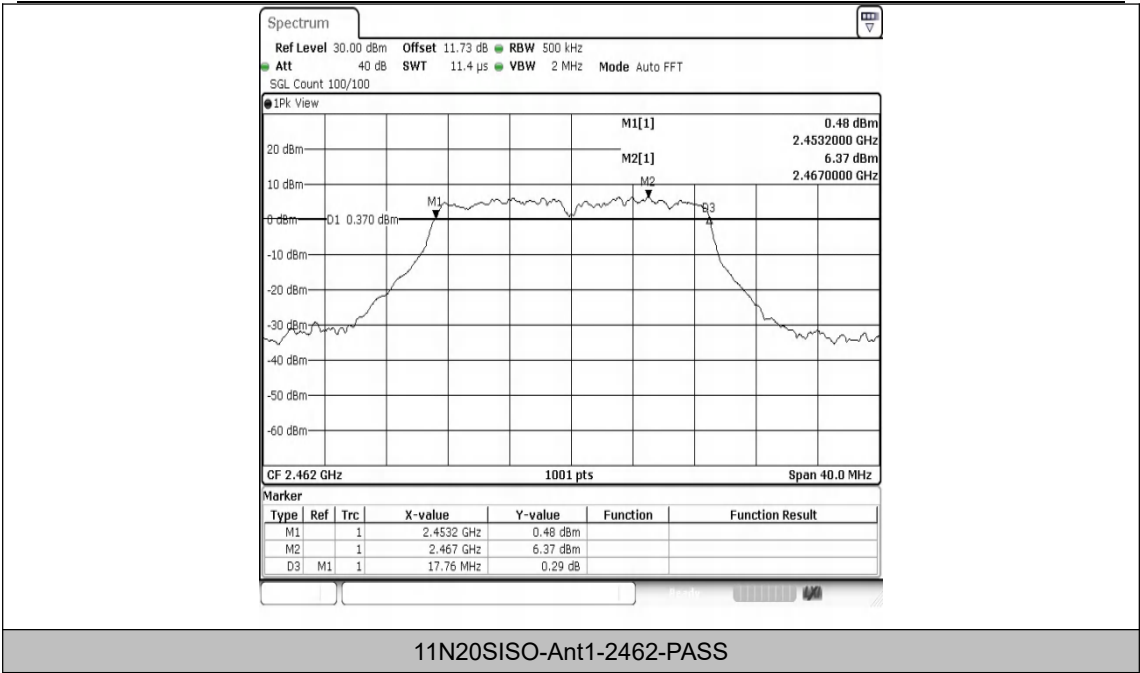
Test Graphs











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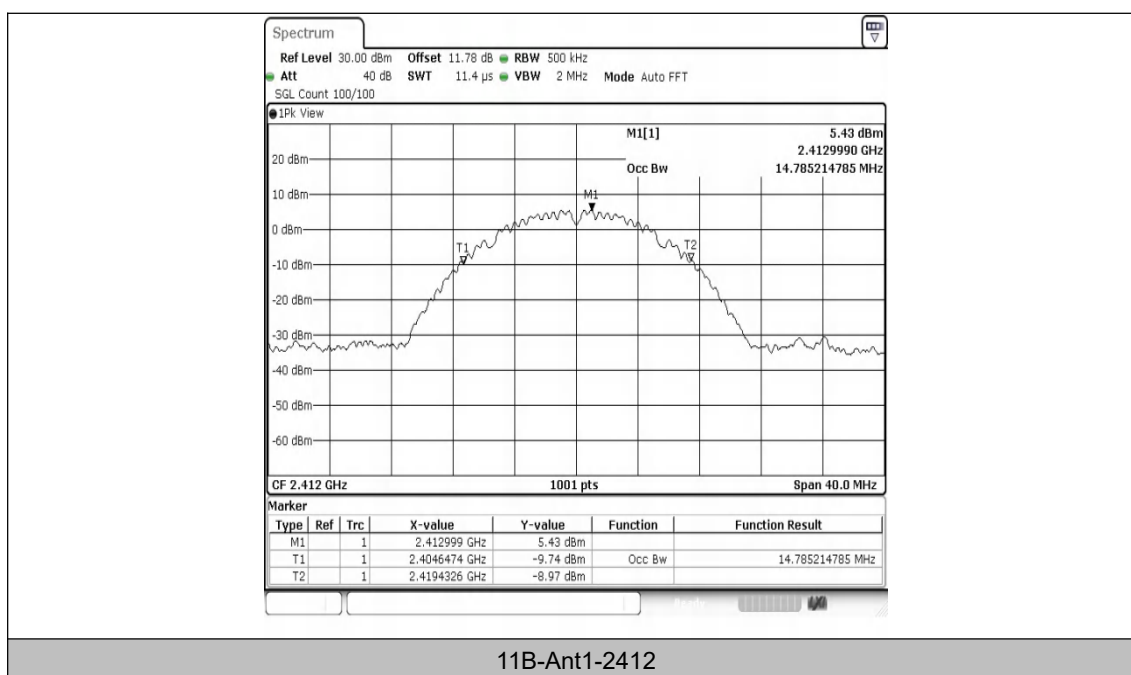


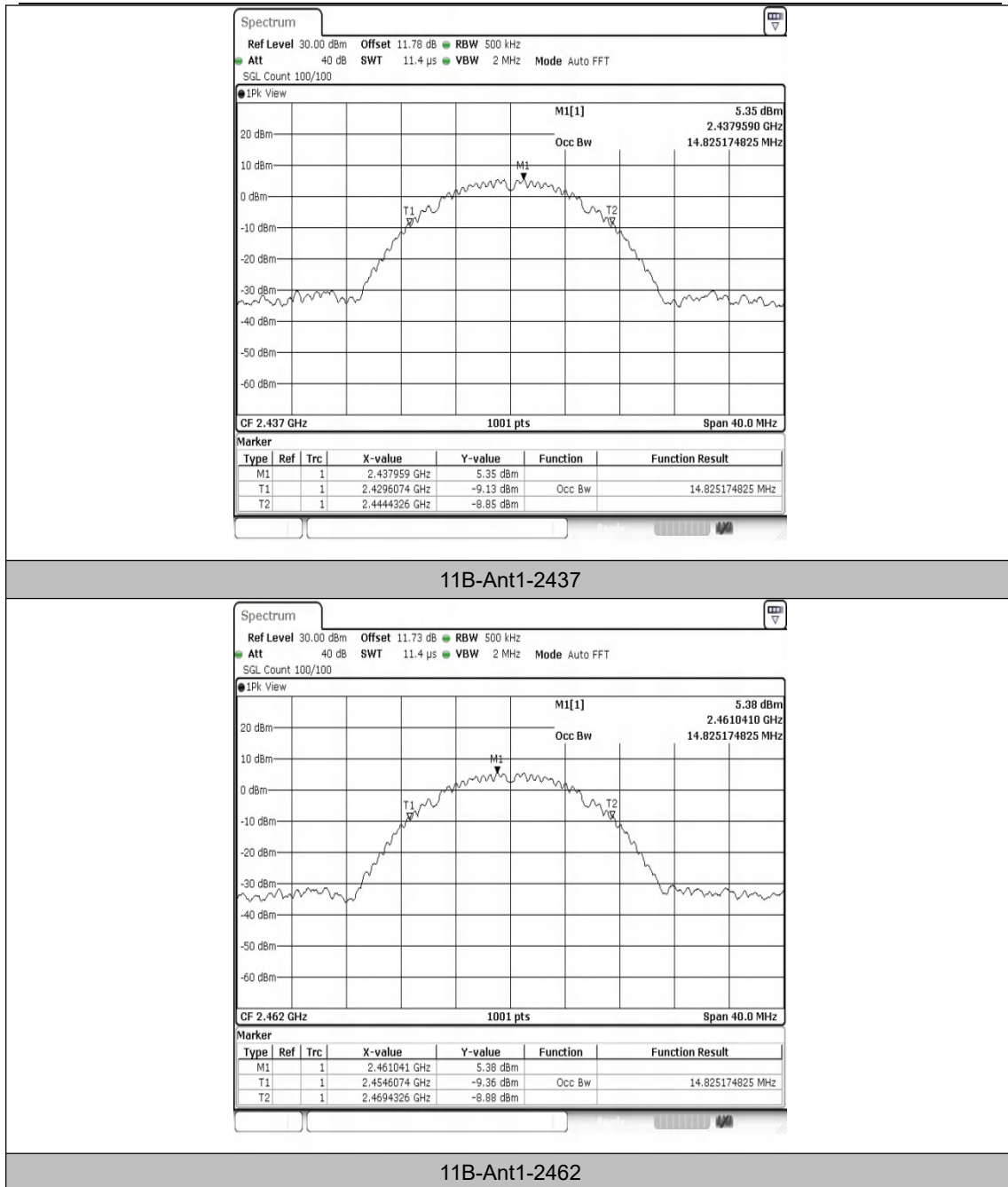
Appendix B: 99% Occupied Bandwidth

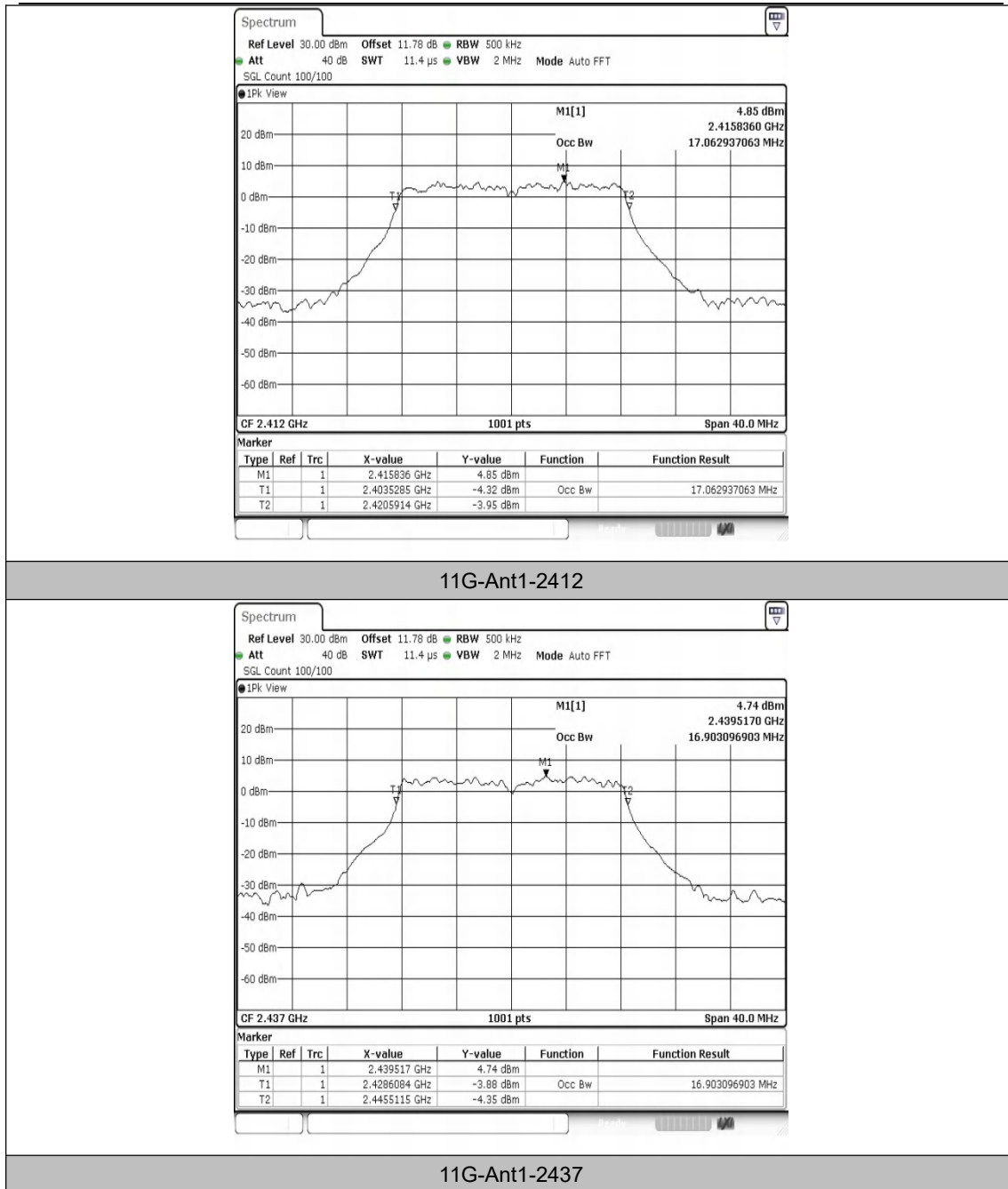
Test Result

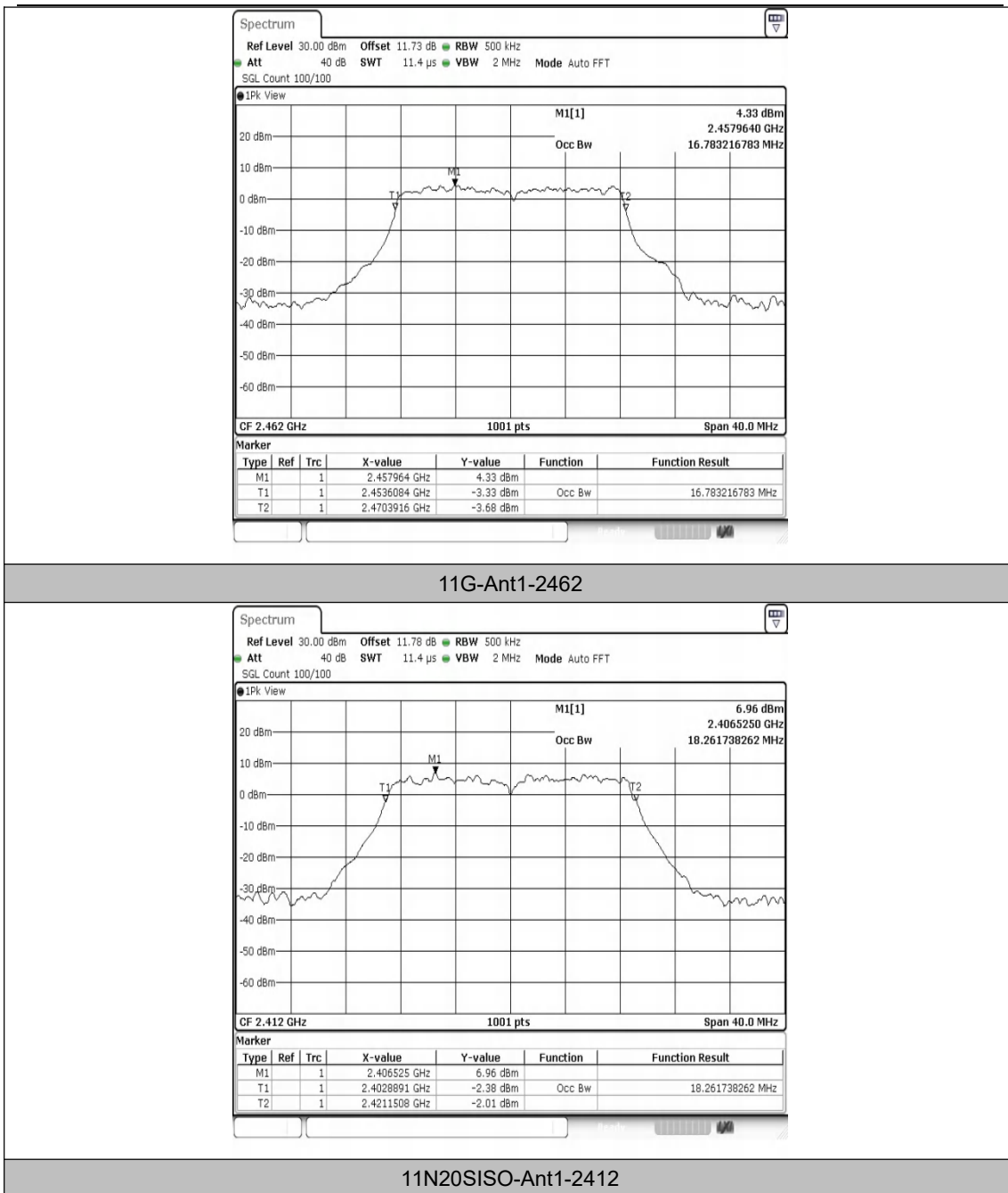
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.785	2404.6474	2419.4326	---	---
11B	Ant1	2437	14.825	2429.6074	2444.4326	---	---
11B	Ant1	2462	14.825	2454.6074	2469.4326	---	---
11G	Ant1	2412	17.063	2403.5285	2420.5914	---	---
11G	Ant1	2437	16.903	2428.6084	2445.5115	---	---
11G	Ant1	2462	16.783	2453.6084	2470.3916	---	---
11N20SISO	Ant1	2412	18.262	2402.8891	2421.1508	---	---
11N20SISO	Ant1	2437	18.062	2427.9690	2446.0310	---	---
11N20SISO	Ant1	2462	18.182	2452.9291	2471.1109	---	---

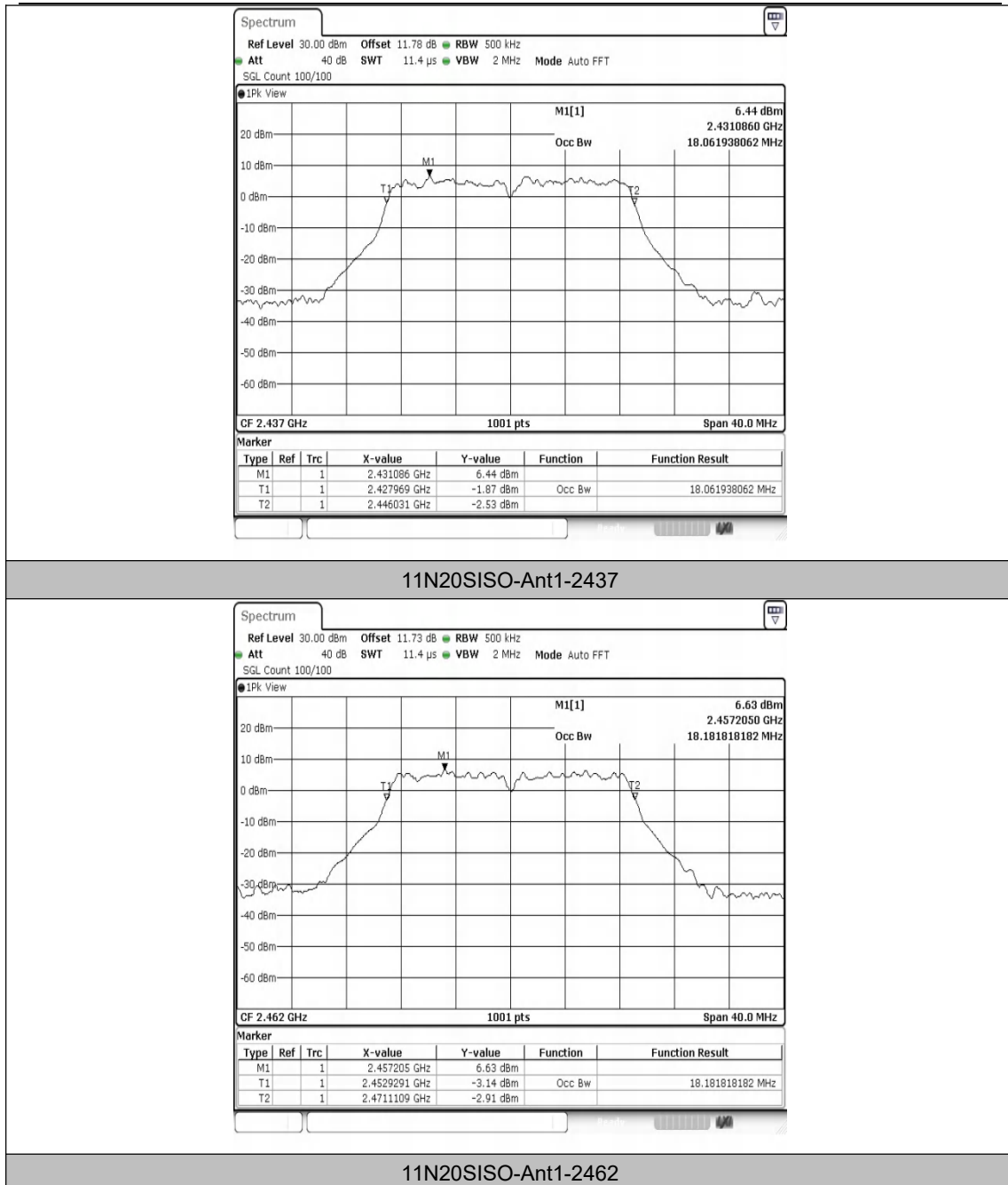
Test Graphs











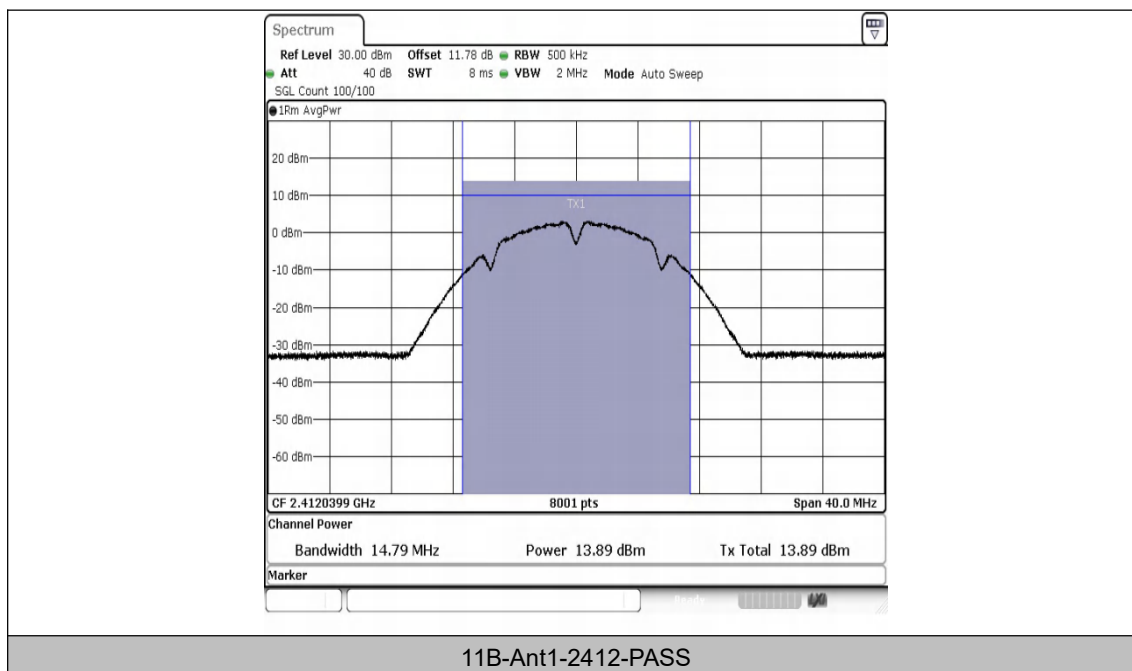
Appendix C: Maximum conducted output power

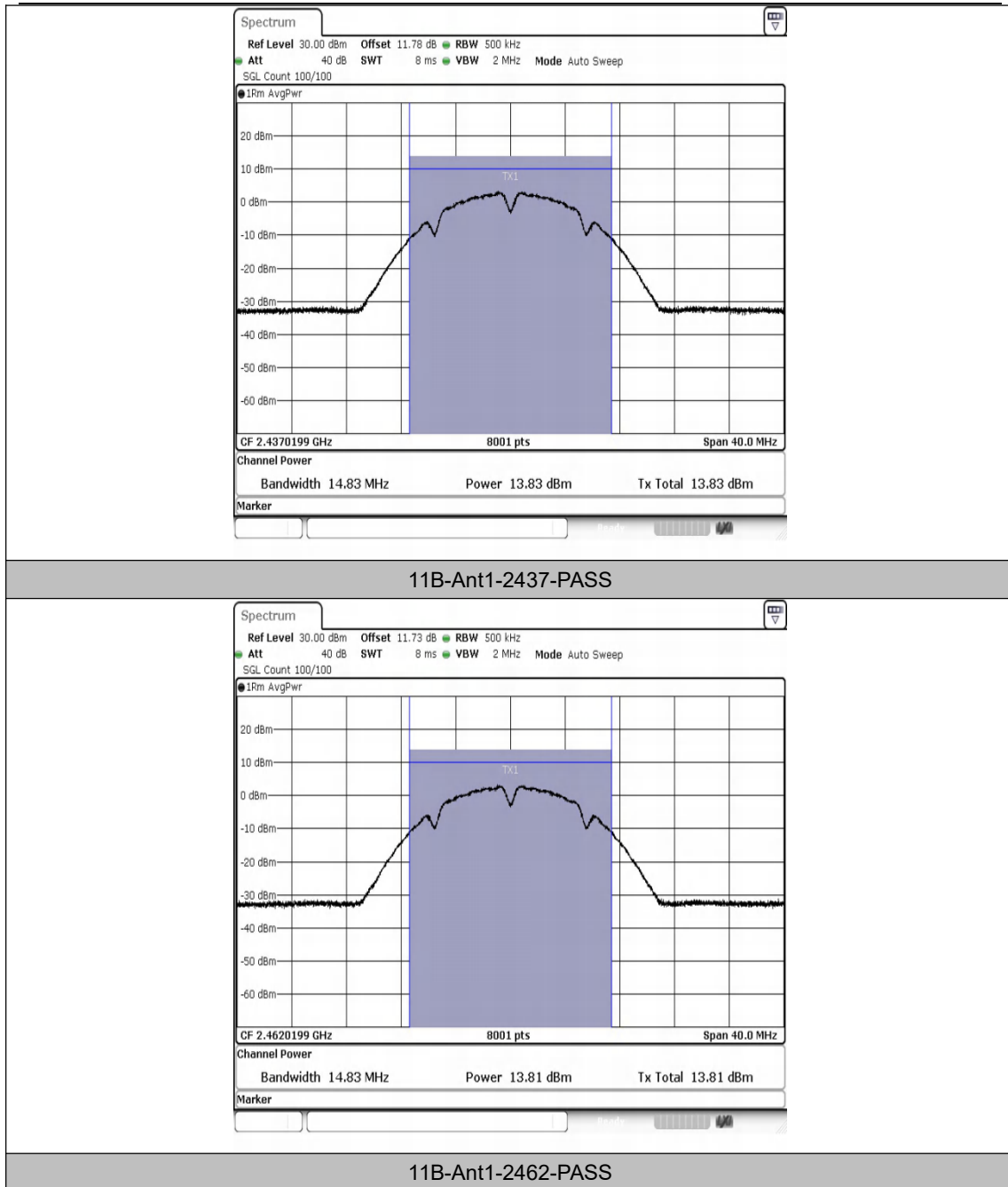
Test Result Average

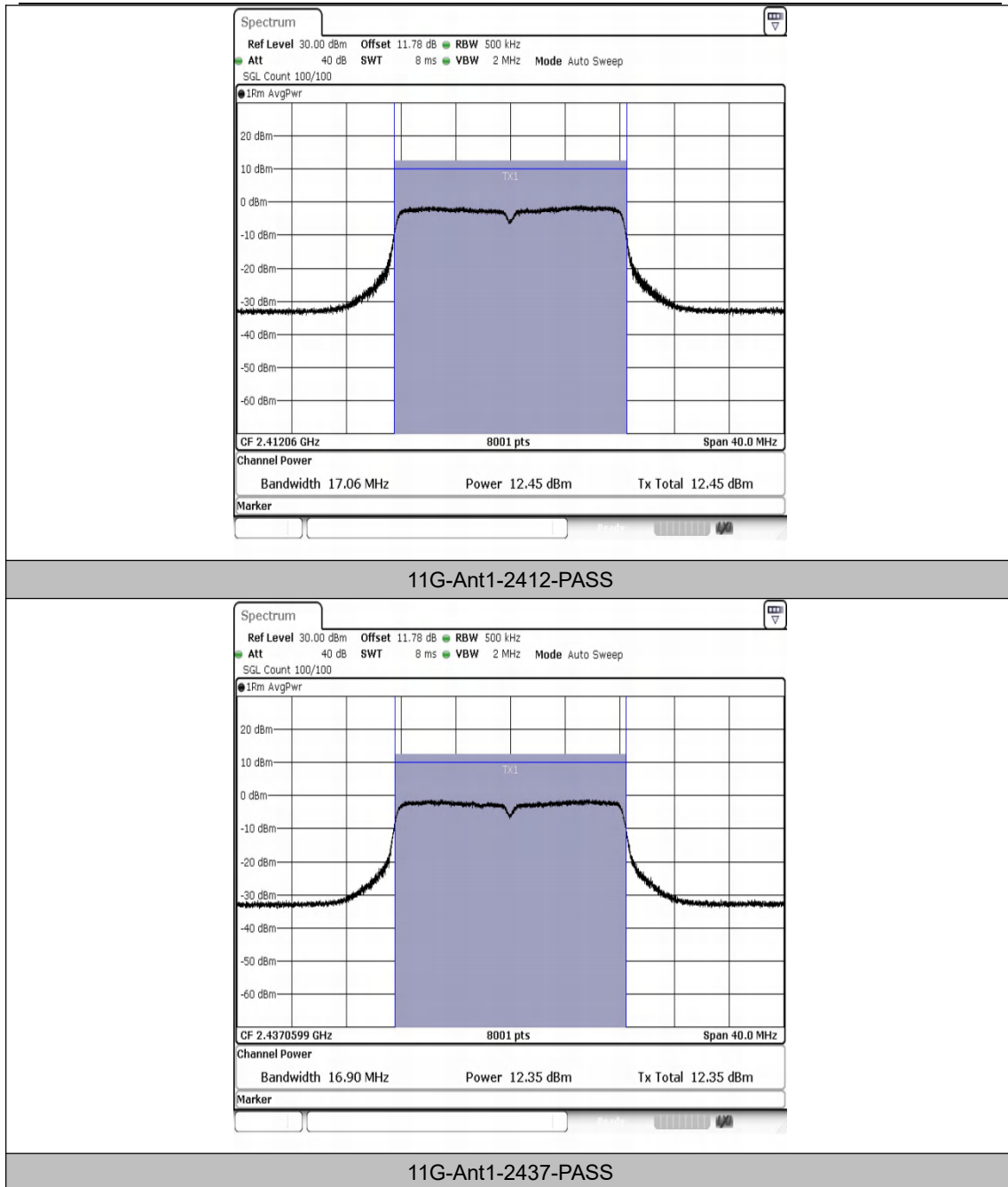
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.89	99.04	0.04	13.93	≤30.00	PASS
11B	Ant1	2437	13.83	98.97	0.04	13.87	≤30.00	PASS
11B	Ant1	2462	13.81	98.97	0.04	13.85	≤30.00	PASS
11G	Ant1	2412	12.45	94.06	0.27	12.72	≤30.00	PASS
11G	Ant1	2437	12.35	94.06	0.27	12.62	≤30.00	PASS
11G	Ant1	2462	11.59	94.06	0.27	11.86	≤30.00	PASS
11N20SISO	Ant1	2412	14.32	93.66	0.28	14.60	≤30.00	PASS
11N20SISO	Ant1	2437	14.23	93.66	0.28	14.51	≤30.00	PASS
11N20SISO	Ant1	2462	14.00	93.66	0.28	14.28	≤30.00	PASS

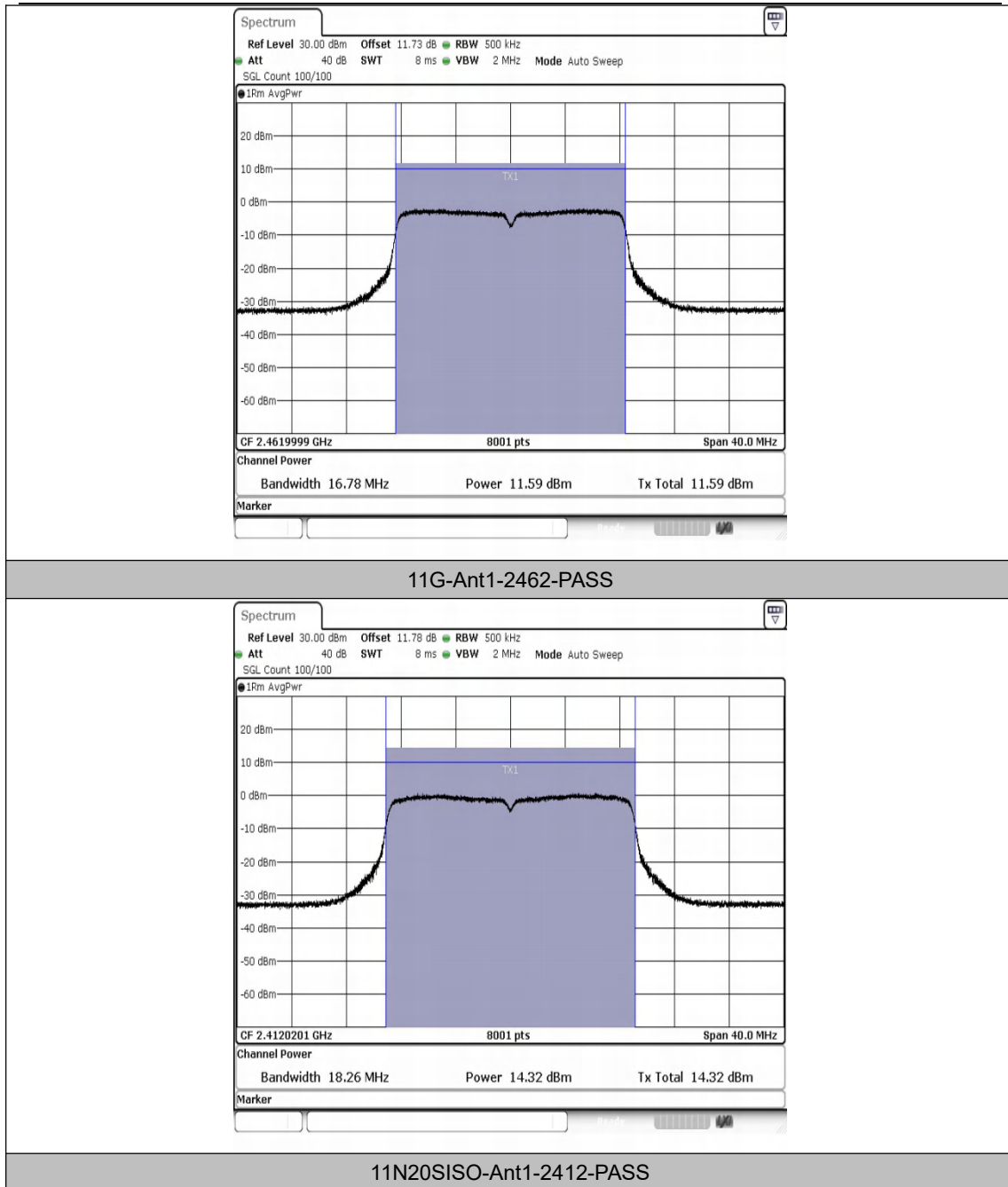
Note: 1. The cable loss are compensated in the graph

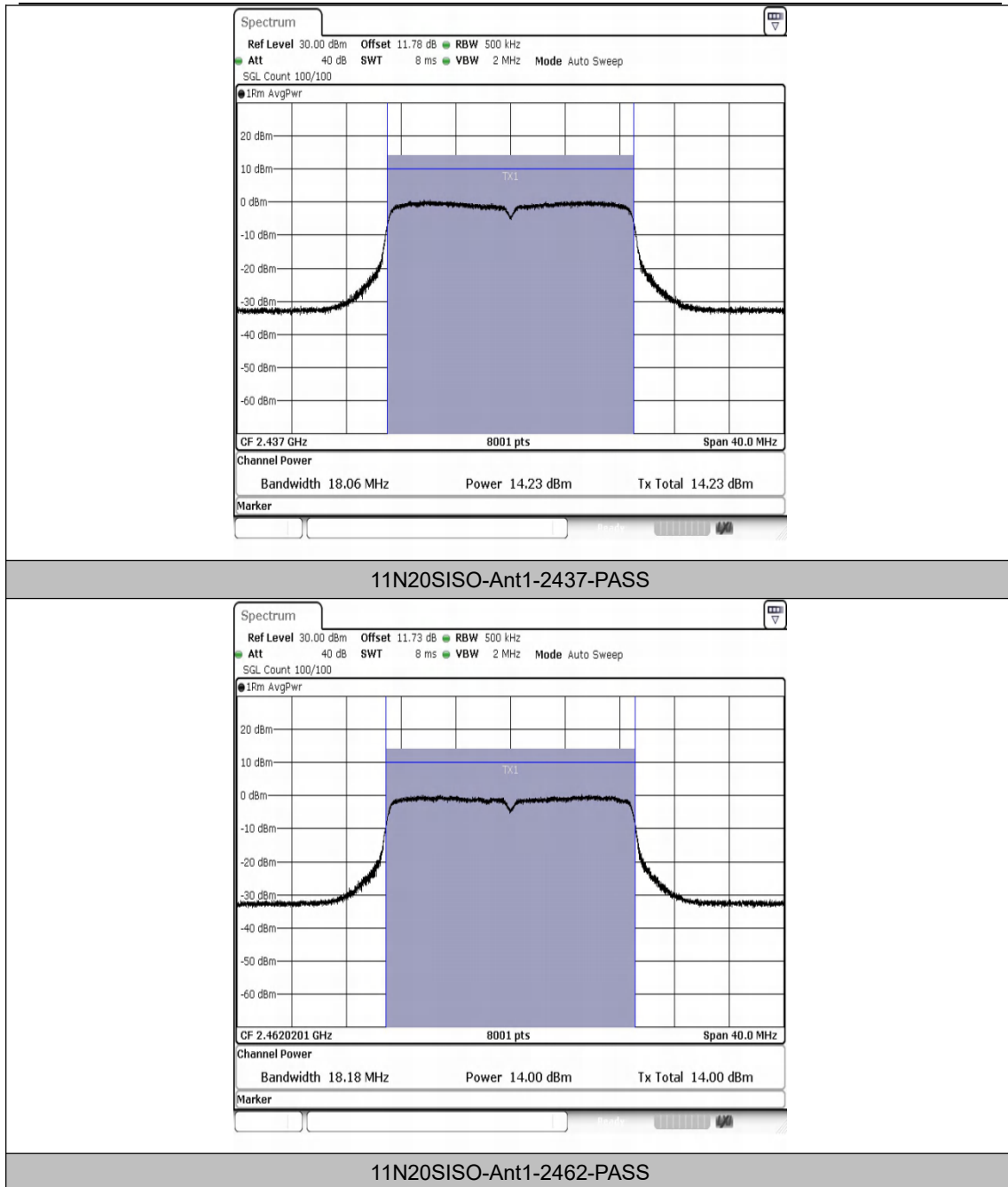
Test Graphs Average











Appendix D: Maximum power spectral density

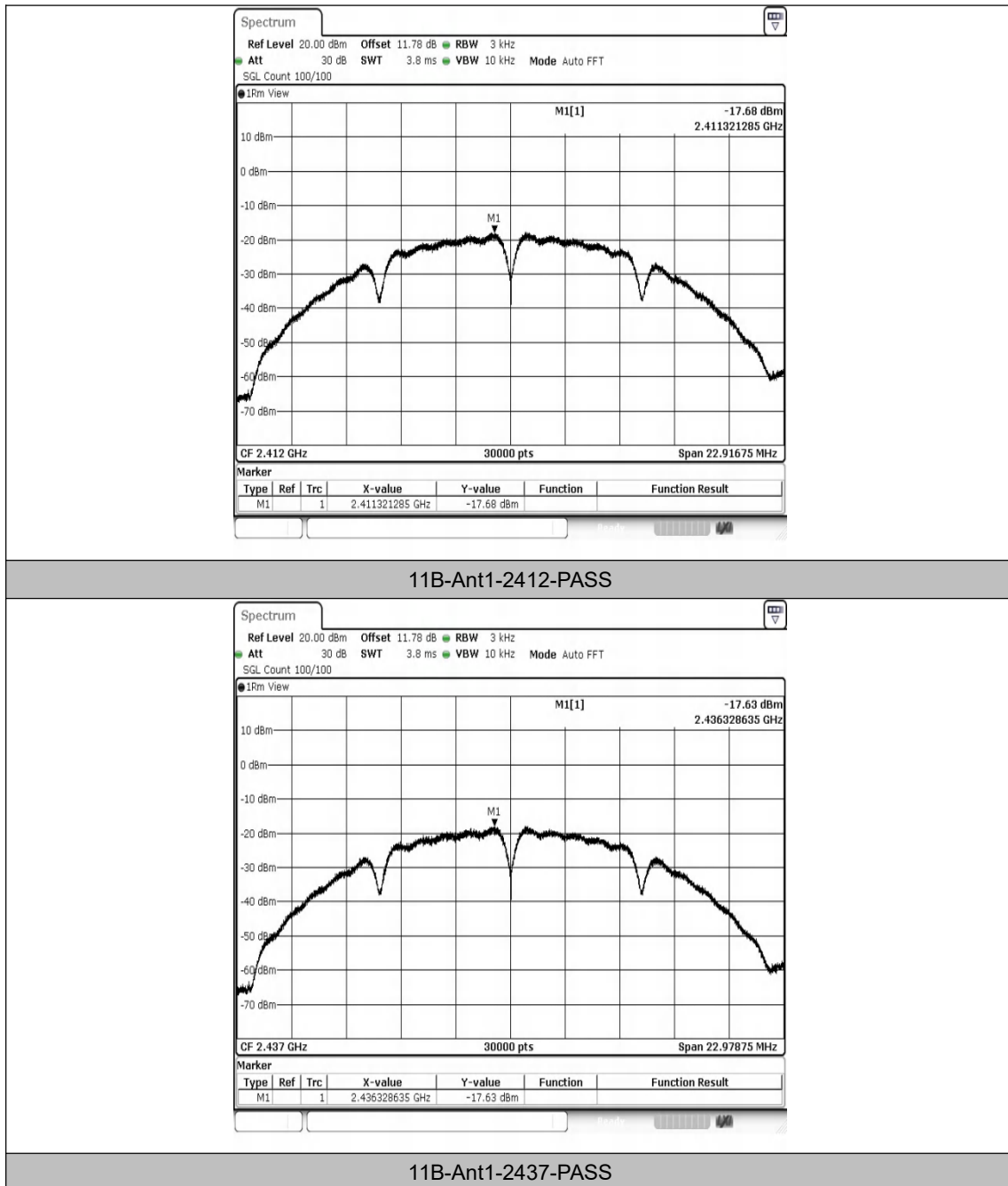
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-17.68	0.04	-17.64	≤8.00	PASS
11B	Ant1	2437	-17.63	0.04	-17.59	≤8.00	PASS
11B	Ant1	2462	-17.96	0.04	-17.92	≤8.00	PASS
11G	Ant1	2412	-21.33	0.27	-21.06	≤8.00	PASS
11G	Ant1	2437	-21.7	0.27	-21.43	≤8.00	PASS
11G	Ant1	2462	-22.58	0.27	-22.31	≤8.00	PASS
11N20SISO	Ant1	2412	-19.74	0.28	-19.46	≤8.00	PASS
11N20SISO	Ant1	2437	-19.92	0.28	-19.64	≤8.00	PASS
11N20SISO	Ant1	2462	-19.91	0.28	-19.63	≤8.00	PASS

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



Test Graphs

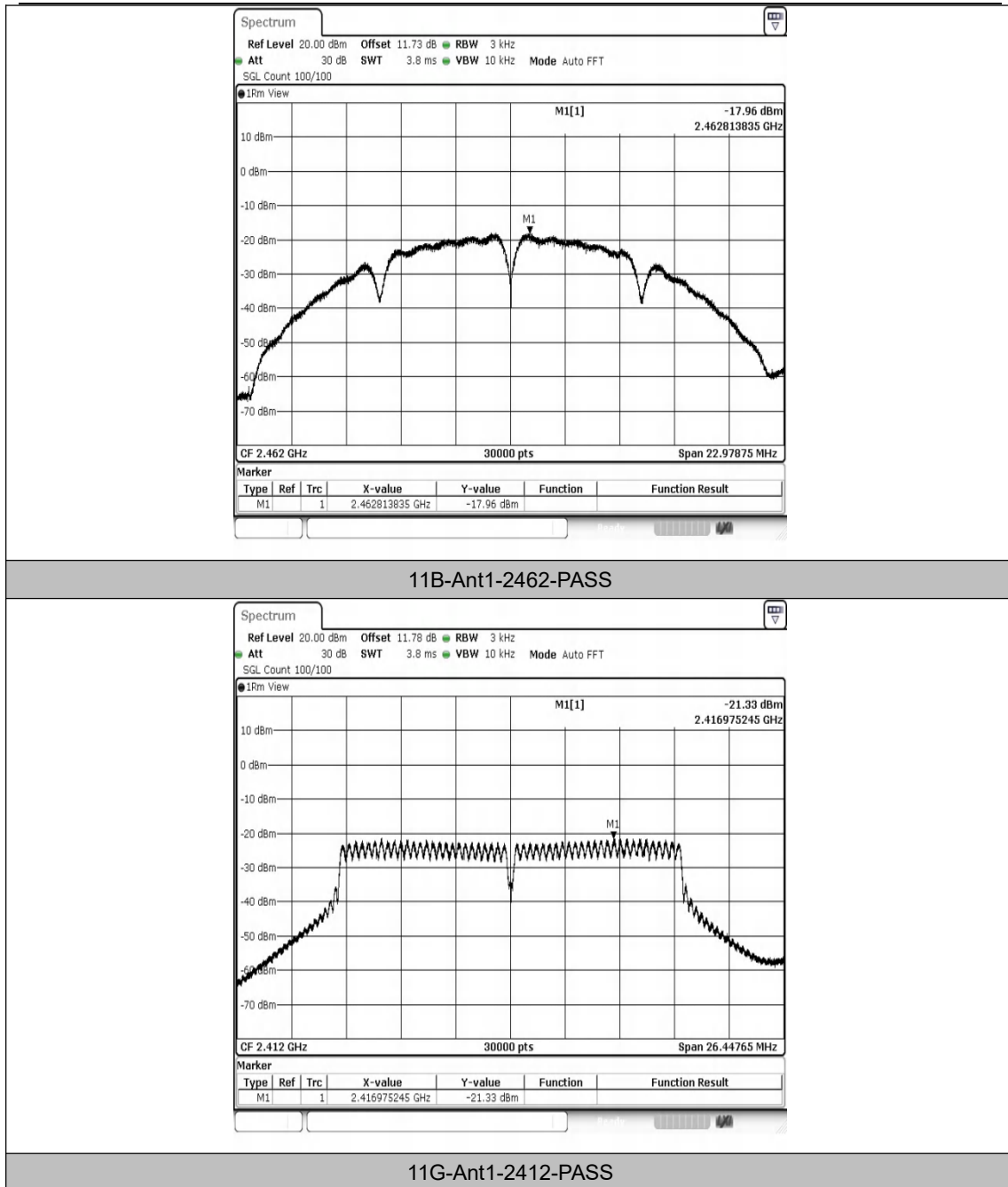


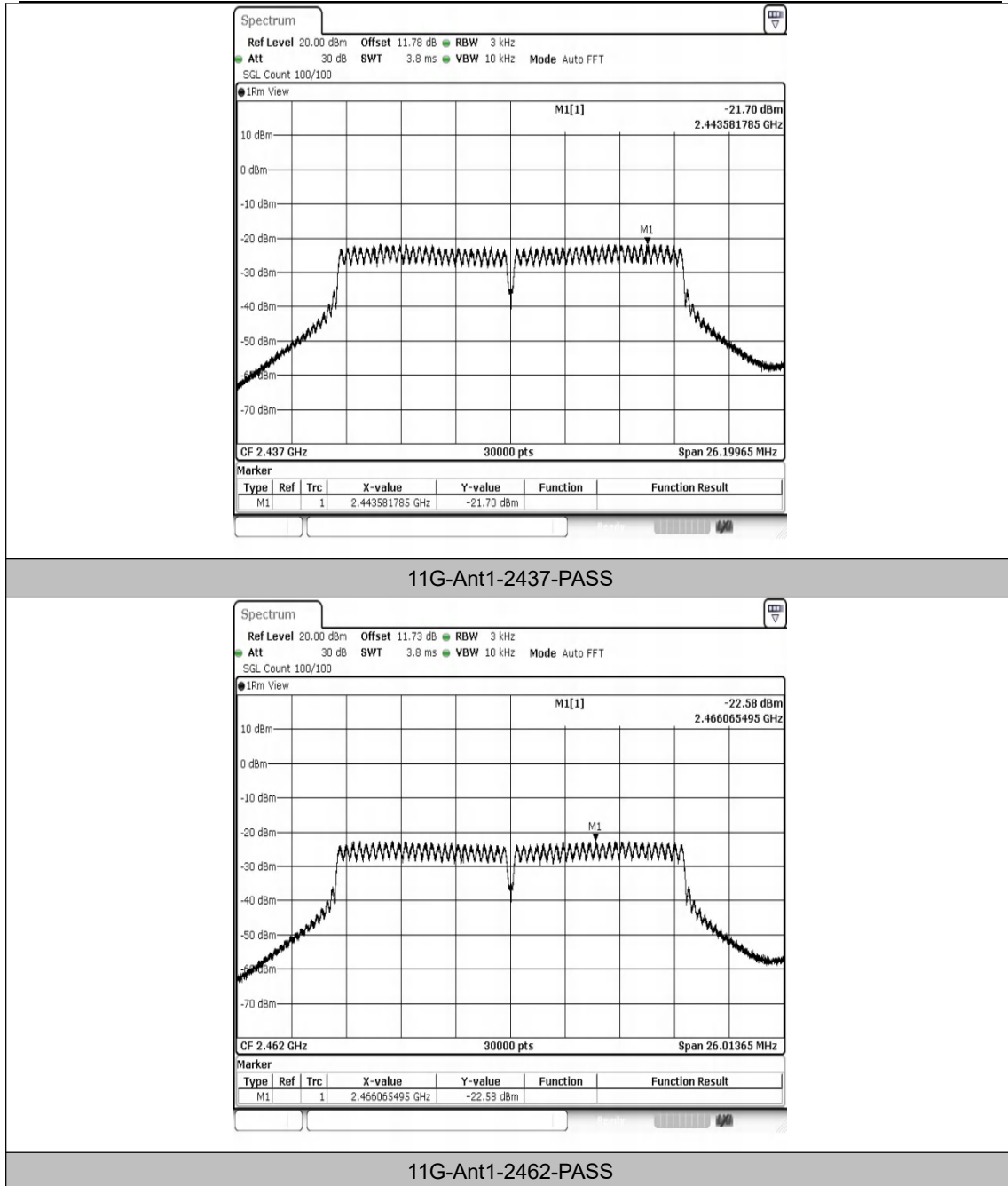
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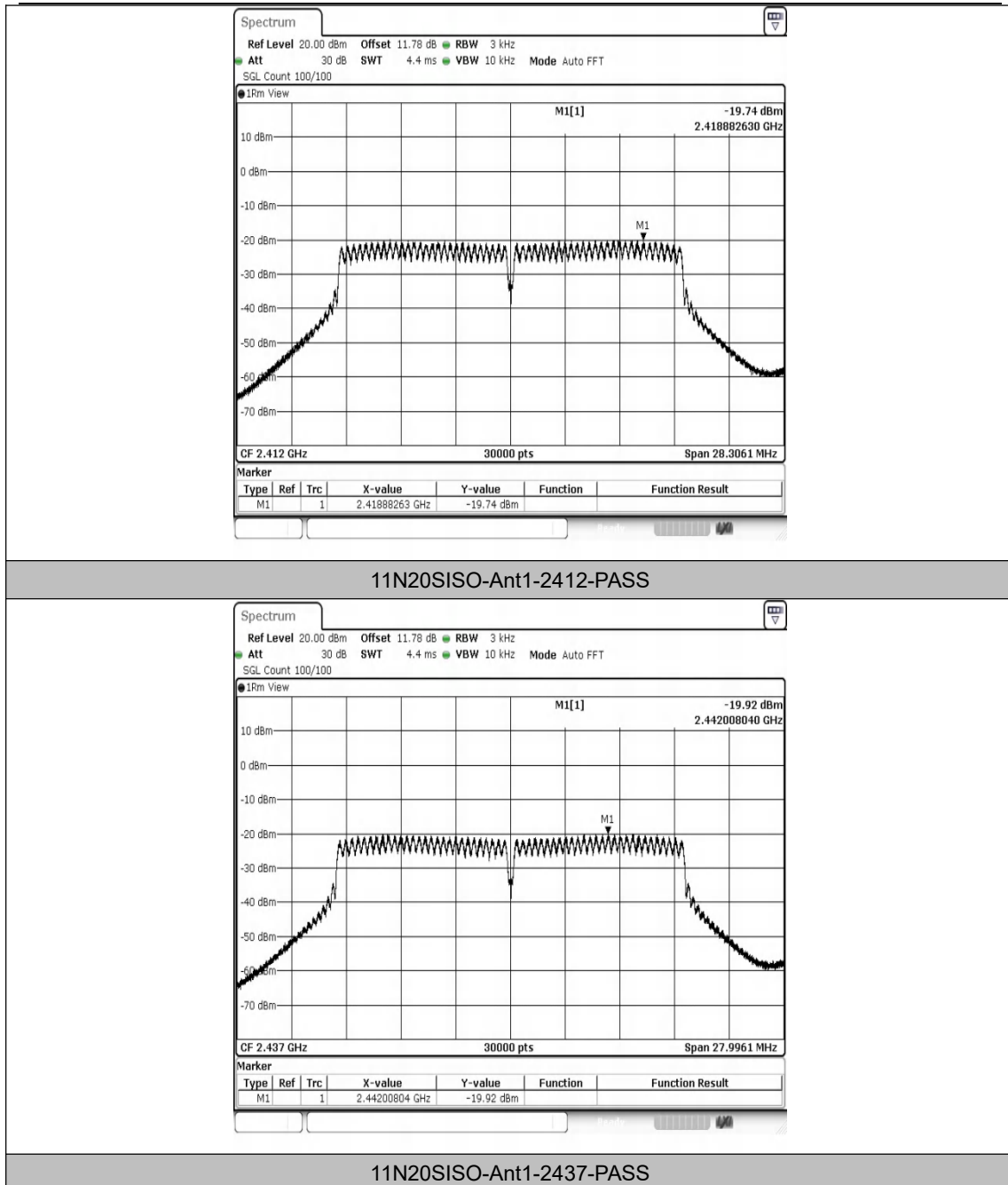
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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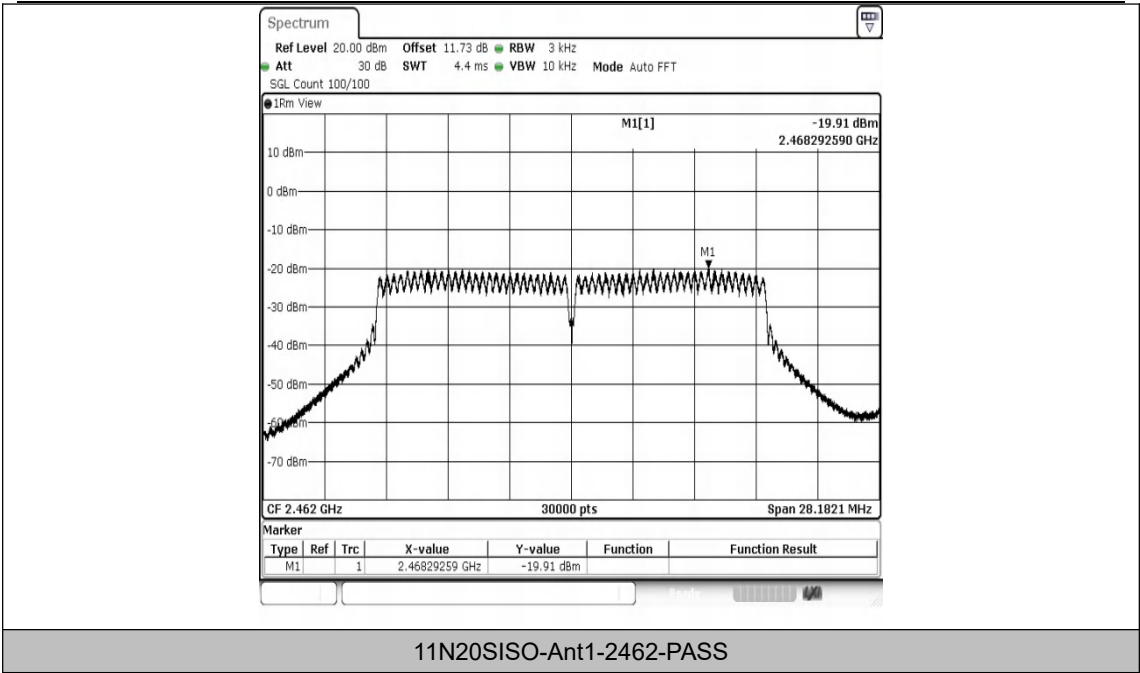
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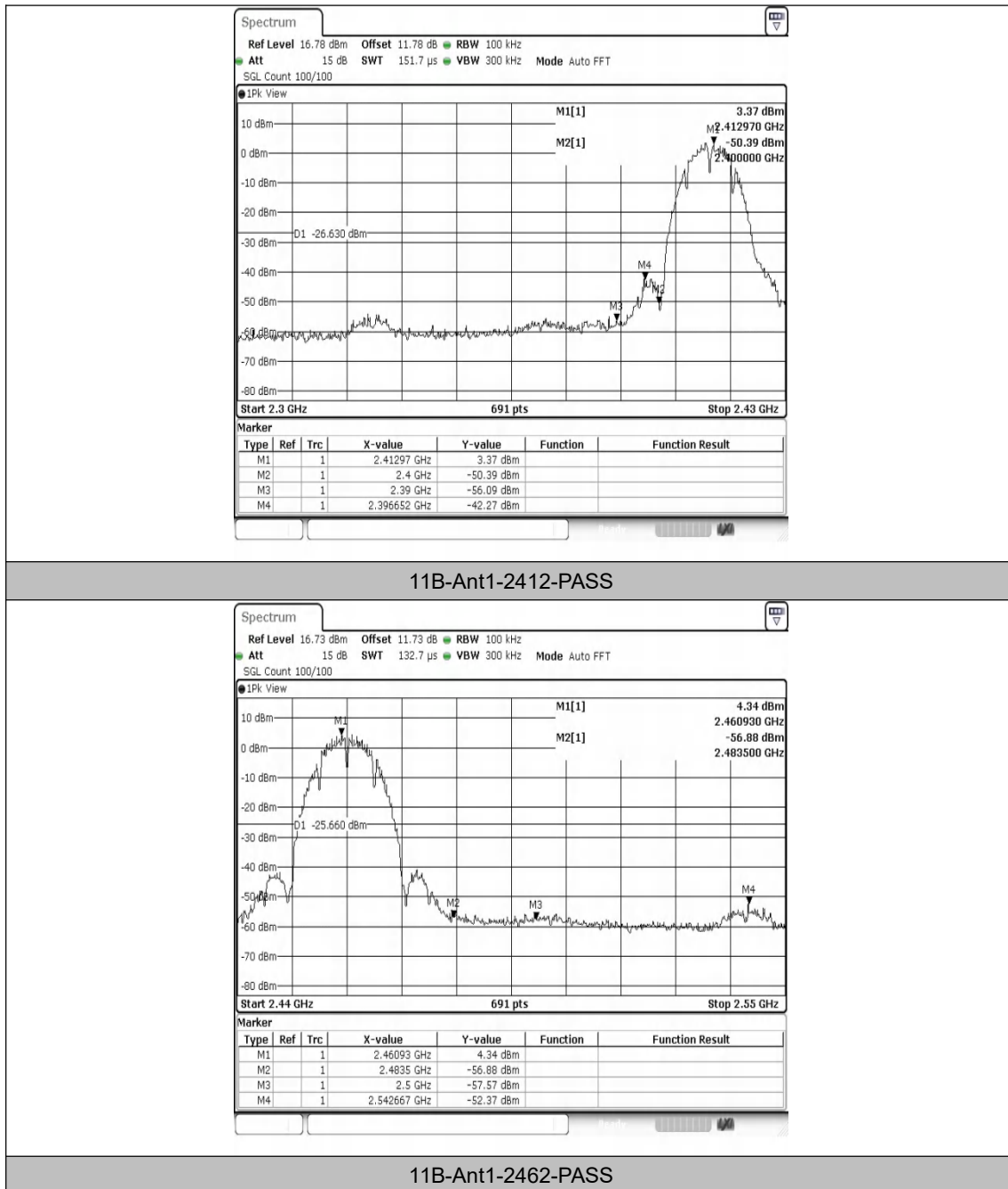
Appendix E: Conducted Band edge

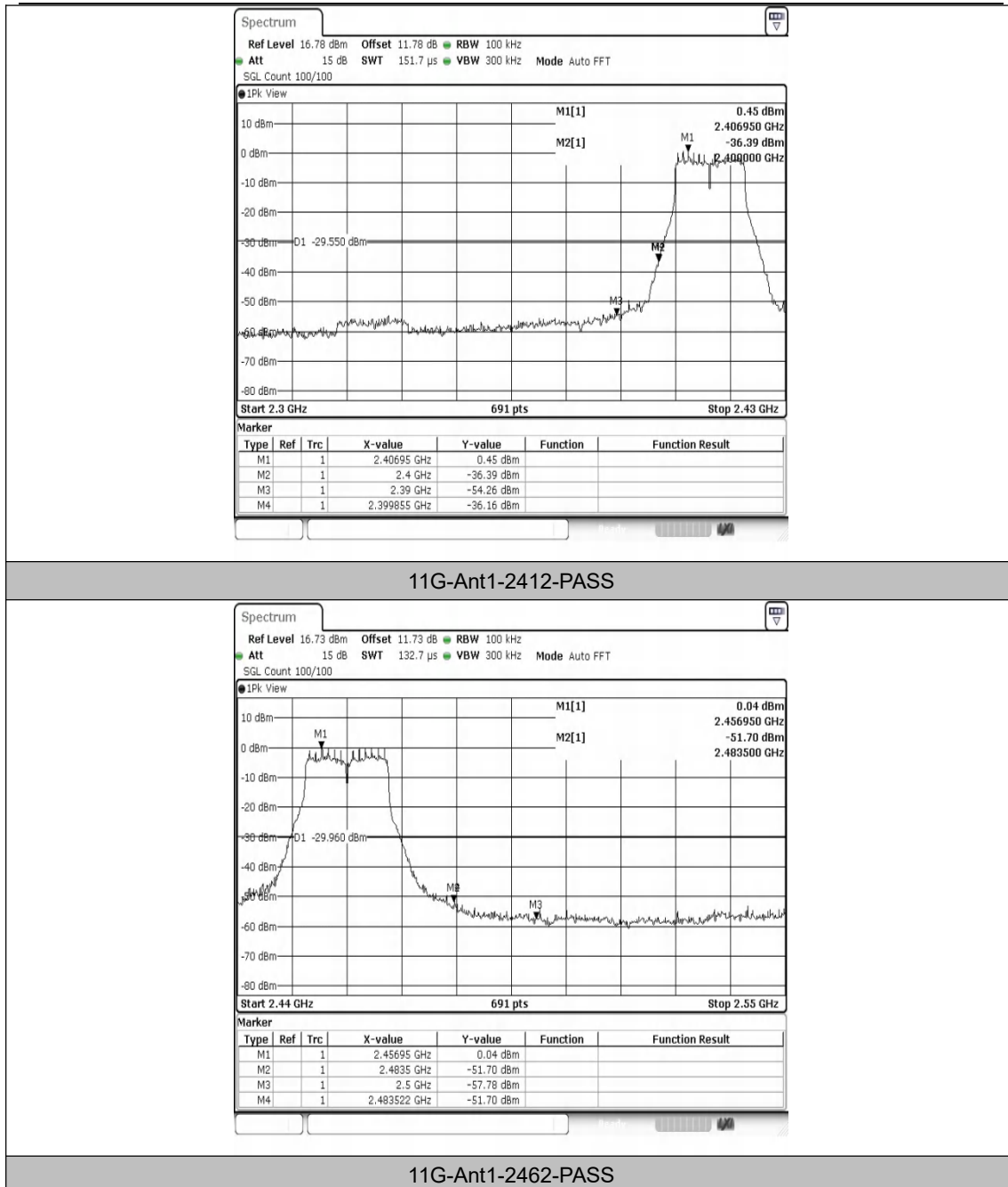
Test Result

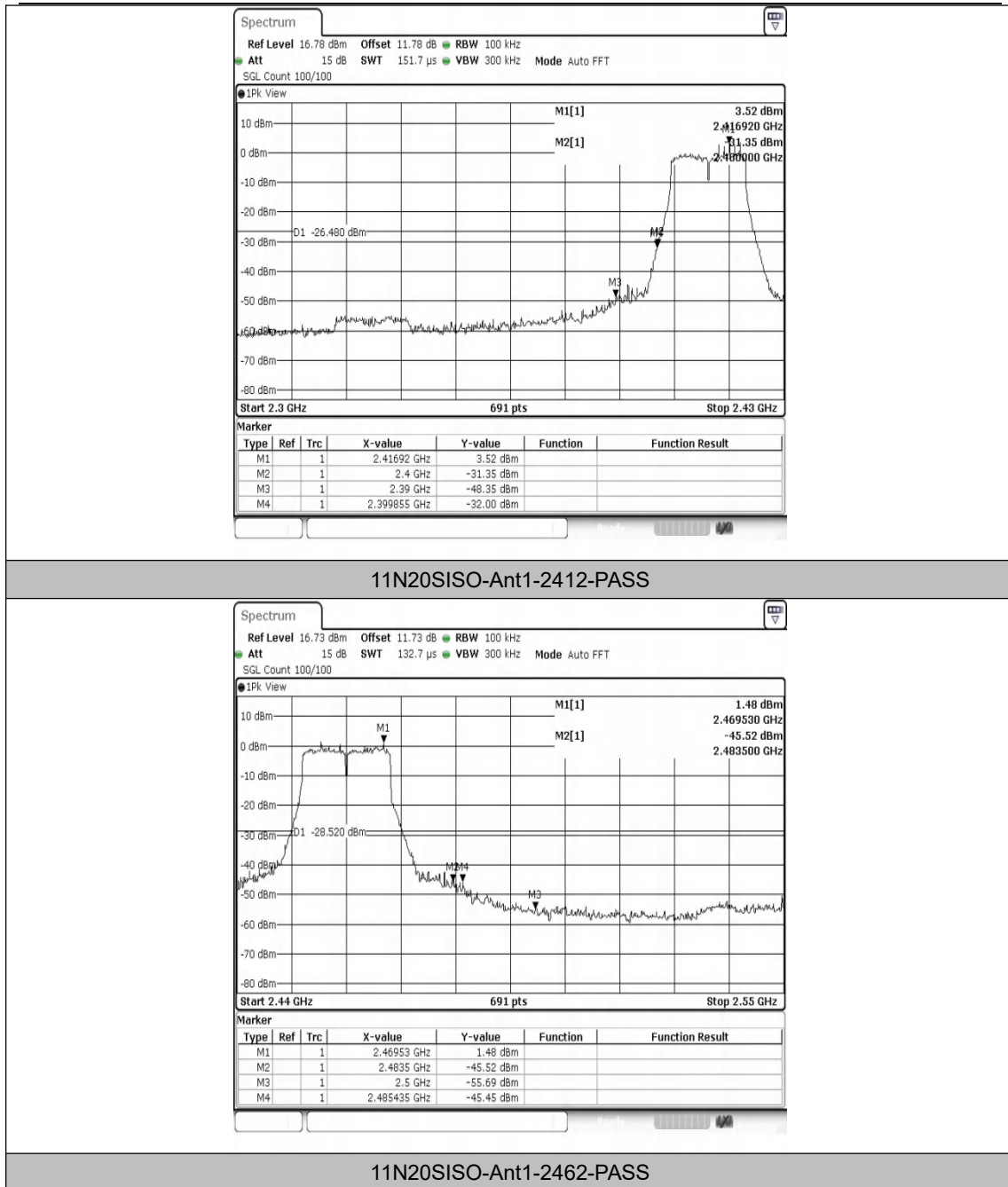
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.37	-42.27	≤-26.63	PASS
11B	Ant1	High	2462	4.34	-52.37	≤-25.66	PASS
11G	Ant1	Low	2412	0.45	-36.16	≤-29.55	PASS
11G	Ant1	High	2462	0.04	-51.7	≤-29.96	PASS
11N20SISO	Ant1	Low	2412	3.52	-32	≤-26.48	PASS
11N20SISO	Ant1	High	2462	1.48	-45.45	≤-28.52	PASS



Test Graphs







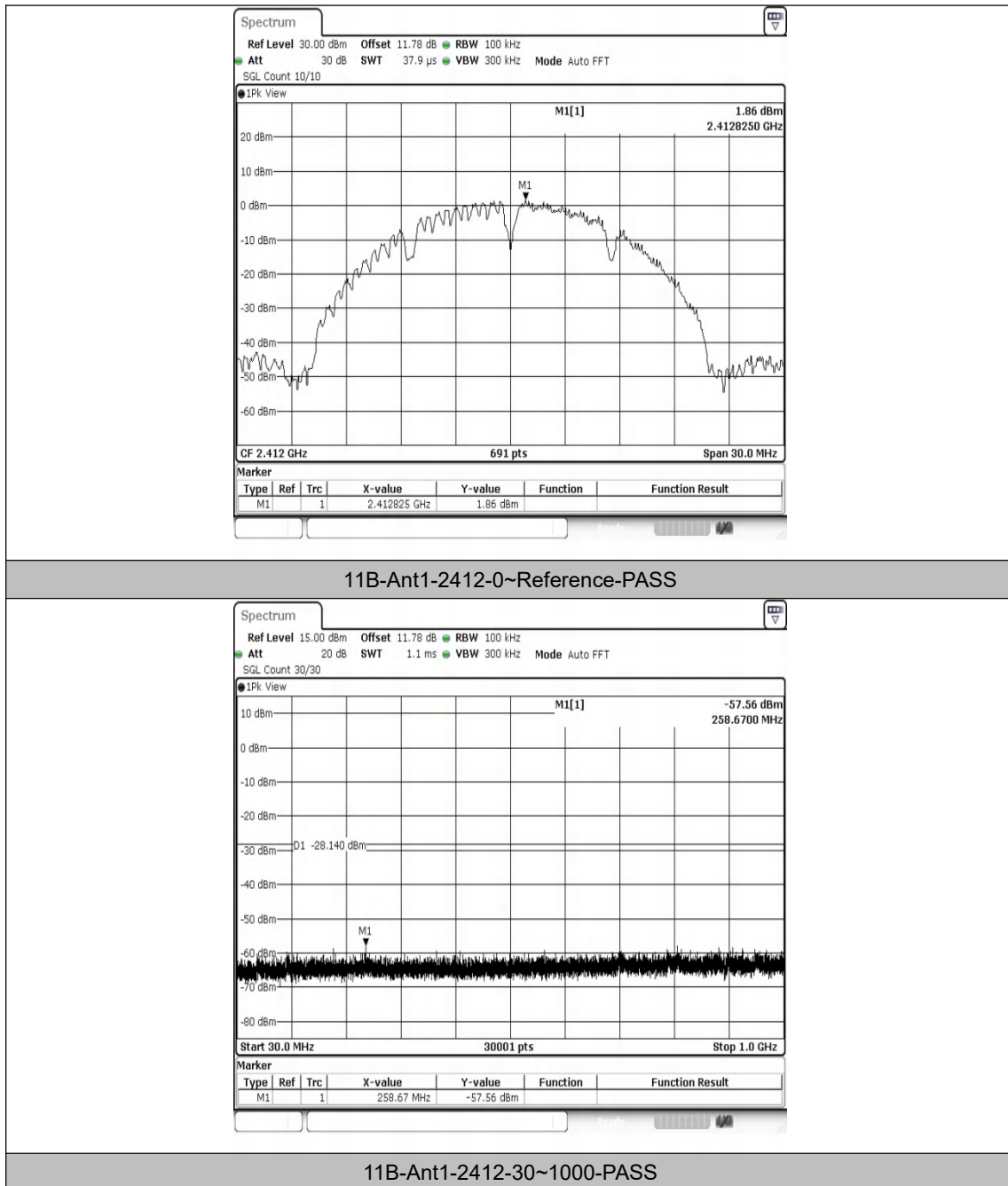
Appendix F: Conducted Spurious Emission

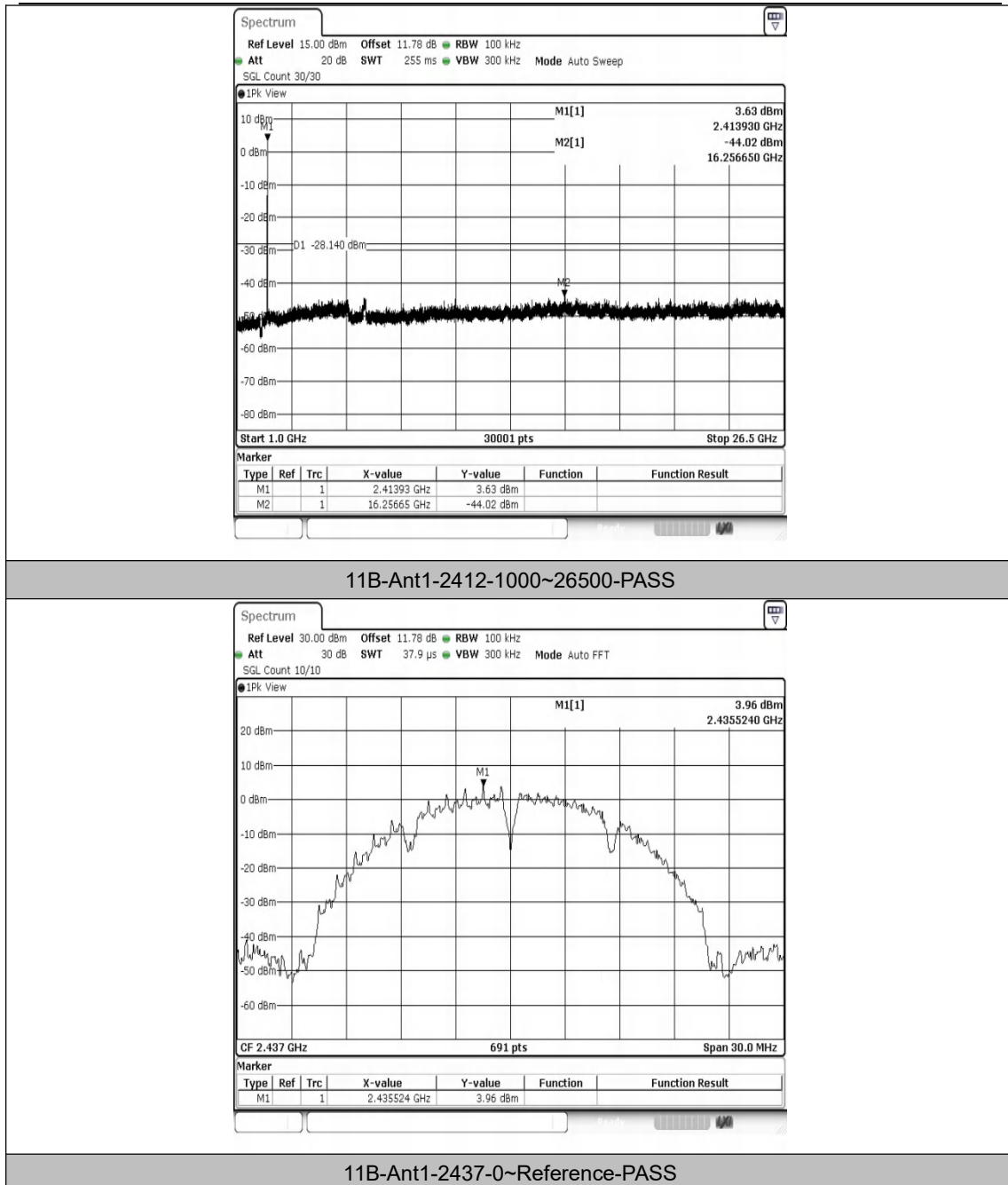
Test Result

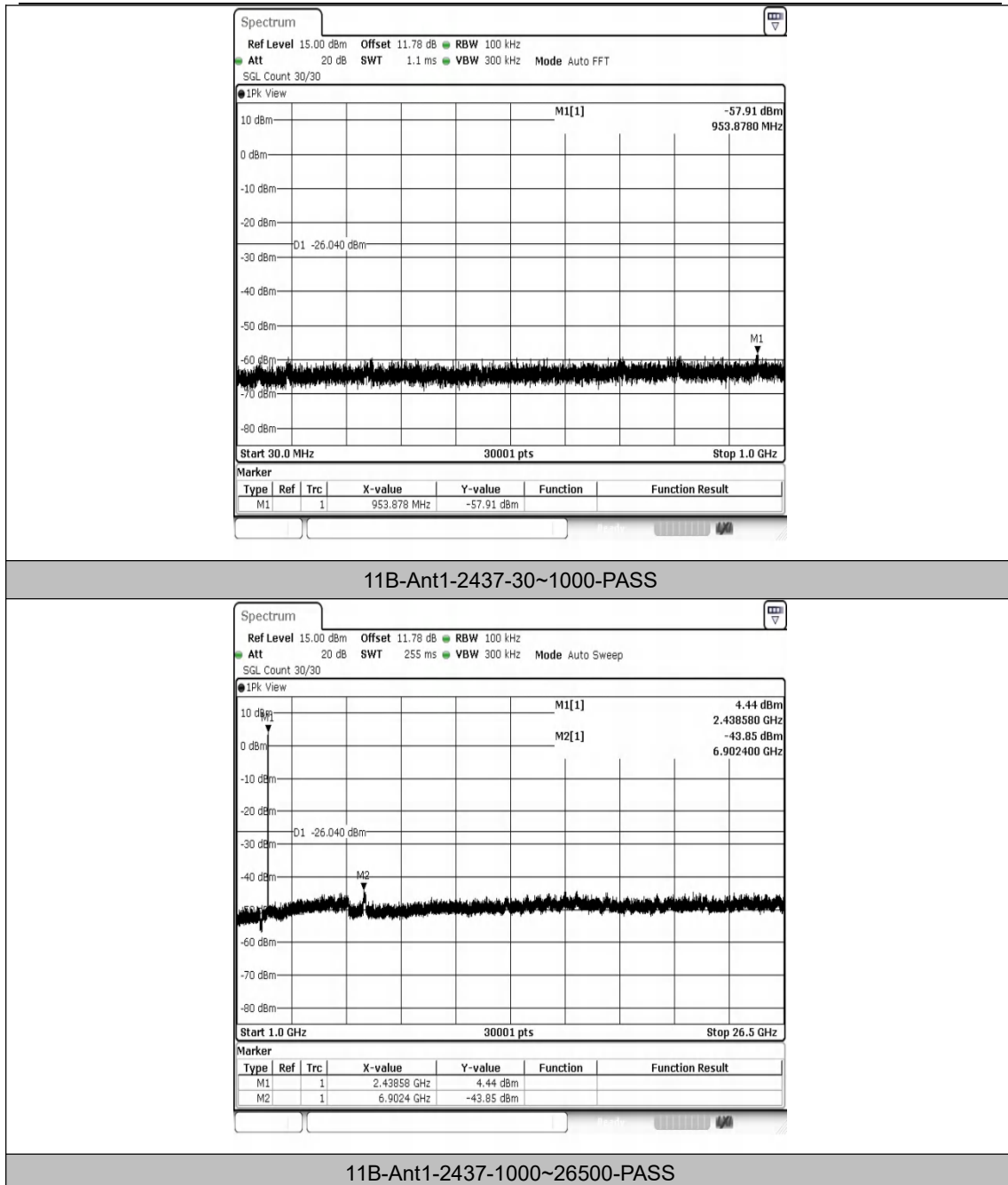
Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.86	1.86	---	PASS
11B	Ant1	2412	30~1000	1.86	-57.56	≤-28.14	PASS
11B	Ant1	2412	1000~26500	1.86	-44.02	≤-28.14	PASS
11B	Ant1	2437	0~Reference	3.96	3.96	---	PASS
11B	Ant1	2437	30~1000	3.96	-57.91	≤-26.04	PASS
11B	Ant1	2437	1000~26500	3.96	-43.85	≤-26.04	PASS
11B	Ant1	2462	0~Reference	4.16	4.16	---	PASS
11B	Ant1	2462	30~1000	4.16	-58.59	≤-25.84	PASS
11B	Ant1	2462	1000~26500	4.16	-44.32	≤-25.84	PASS
11G	Ant1	2412	0~Reference	0.93	0.93	---	PASS
11G	Ant1	2412	30~1000	0.93	-58.67	≤-29.07	PASS
11G	Ant1	2412	1000~26500	0.93	-43.93	≤-29.07	PASS
11G	Ant1	2437	0~Reference	-2.56	-2.56	---	PASS
11G	Ant1	2437	30~1000	-2.56	-57.68	≤-32.56	PASS
11G	Ant1	2437	1000~26500	-2.56	-44.02	≤-32.56	PASS
11G	Ant1	2462	0~Reference	-2.86	-2.86	---	PASS
11G	Ant1	2462	30~1000	-2.86	-57.38	≤-32.86	PASS
11G	Ant1	2462	1000~26500	-2.86	-43.62	≤-32.86	PASS
11N20SISO	Ant1	2412	0~Reference	-1.01	-1.01	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.01	-57.53	≤-31.01	PASS
11N20SISO	Ant1	2412	1000~26500	-1.01	-43.8	≤-31.01	PASS
11N20SISO	Ant1	2437	0~Reference	-0.75	-0.75	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.75	-58.1	≤-30.75	PASS
11N20SISO	Ant1	2437	1000~26500	-0.75	-44.03	≤-30.75	PASS
11N20SISO	Ant1	2462	0~Reference	-0.93	-0.93	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.93	-58.31	≤-30.93	PASS
11N20SISO	Ant1	2462	1000~26500	-0.93	-44.16	≤-30.93	PASS

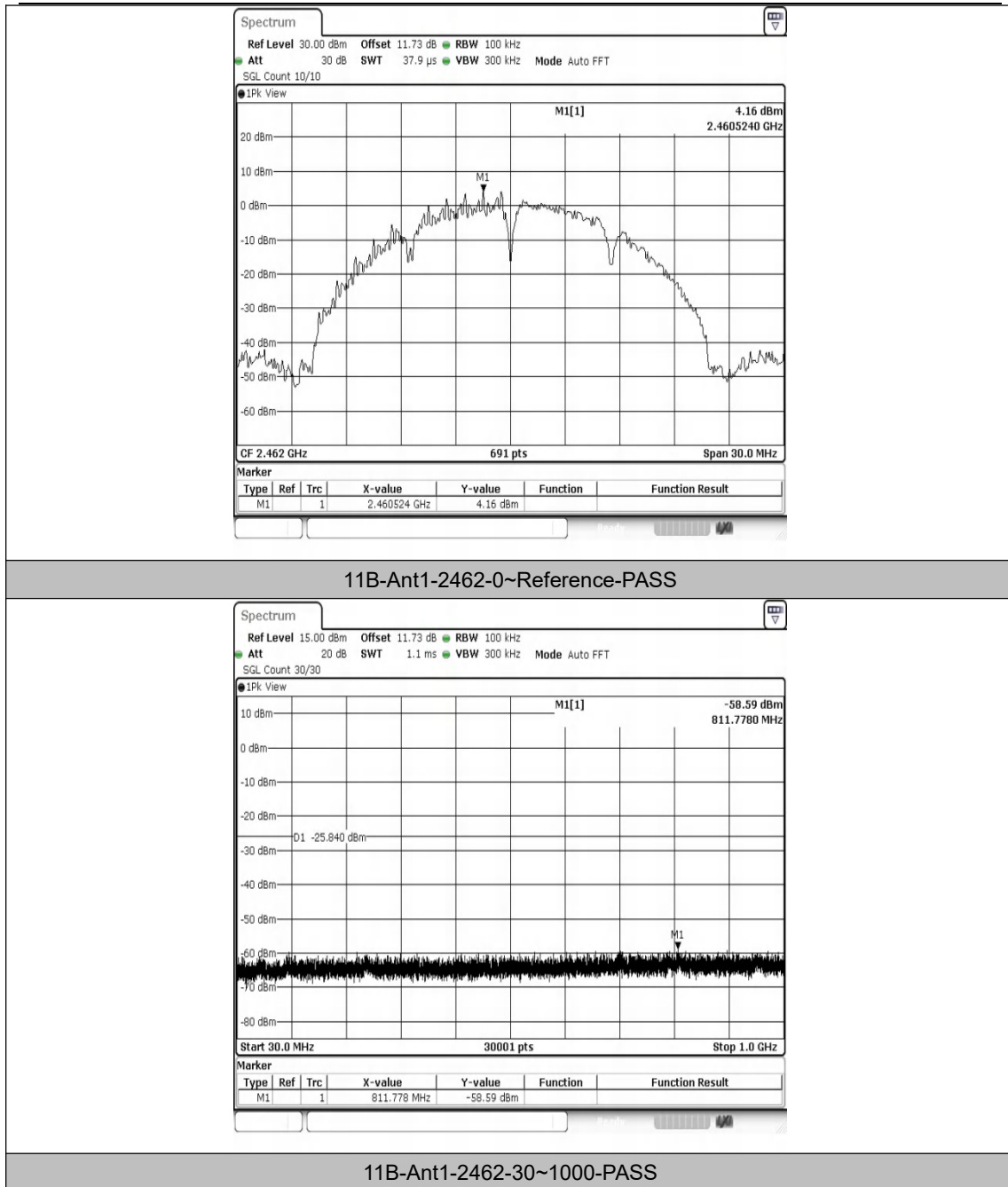


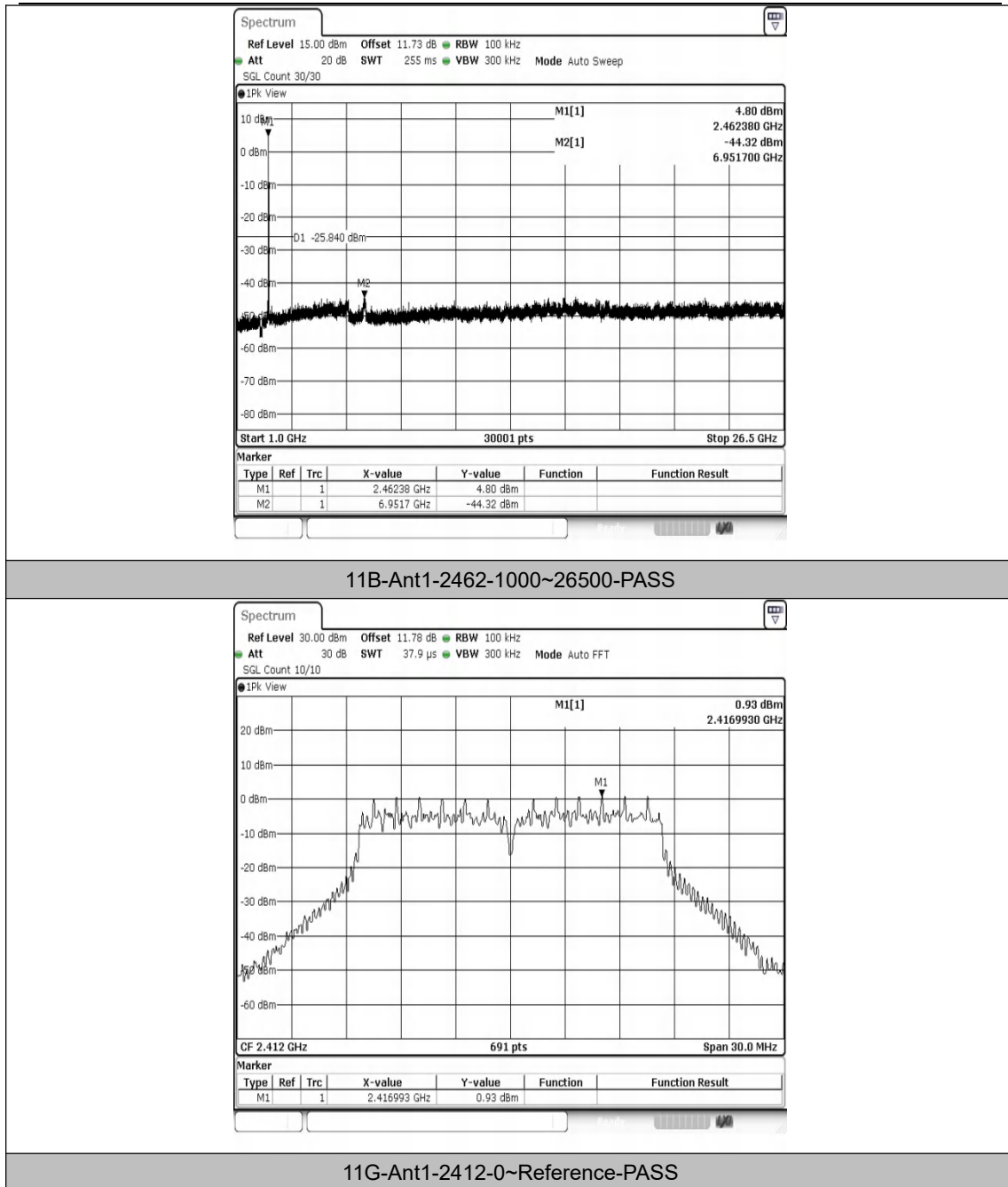
Test Graphs

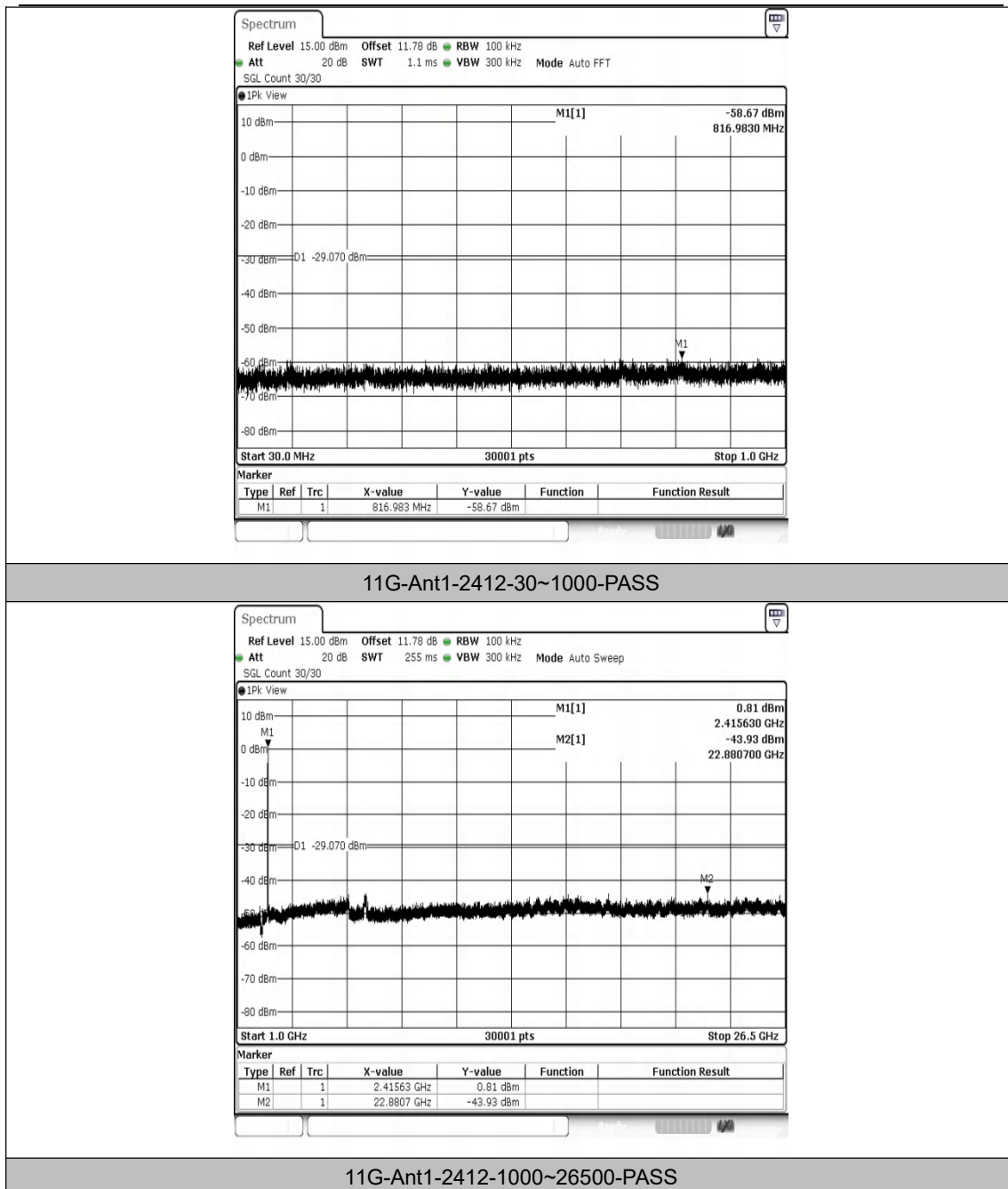


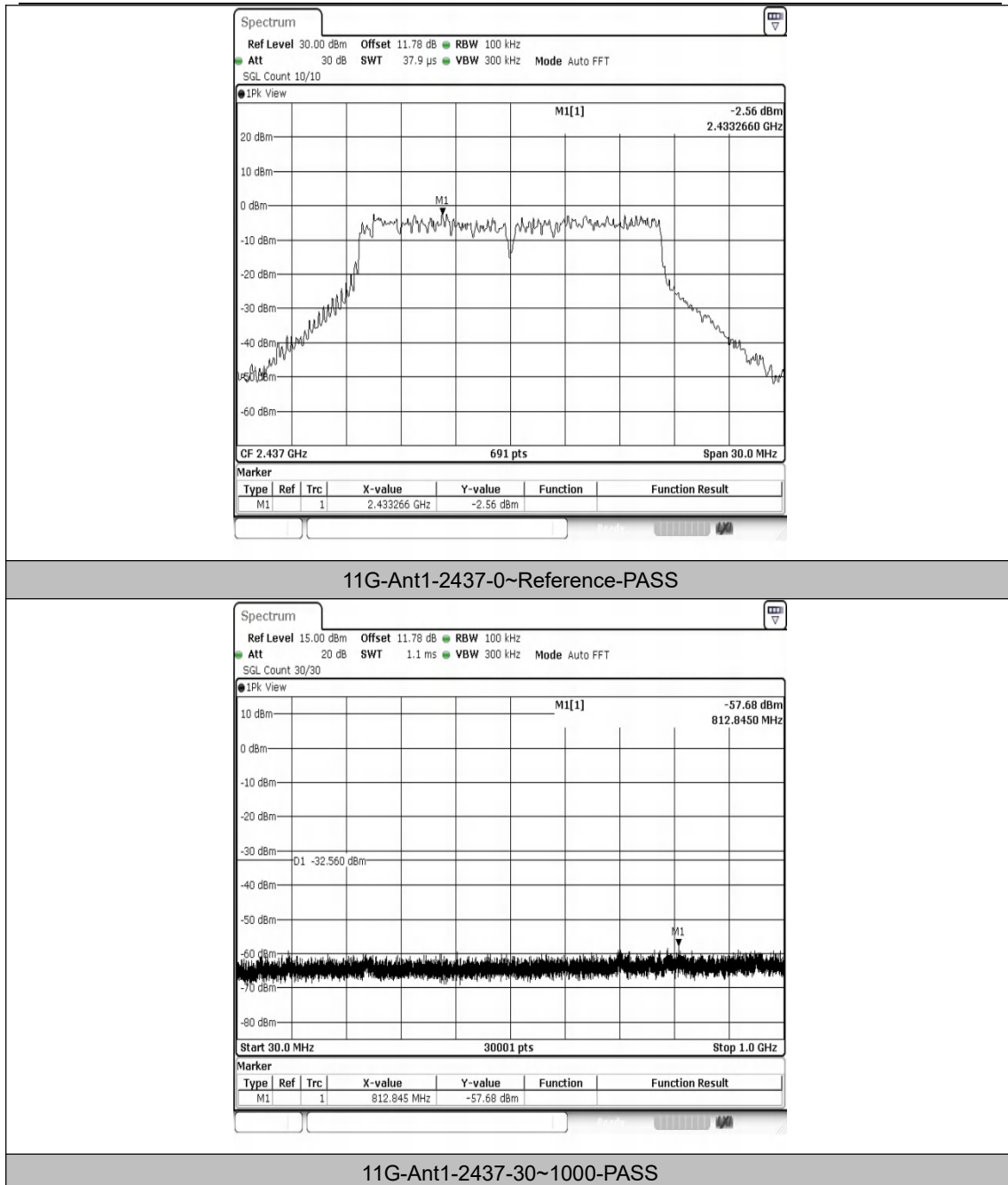


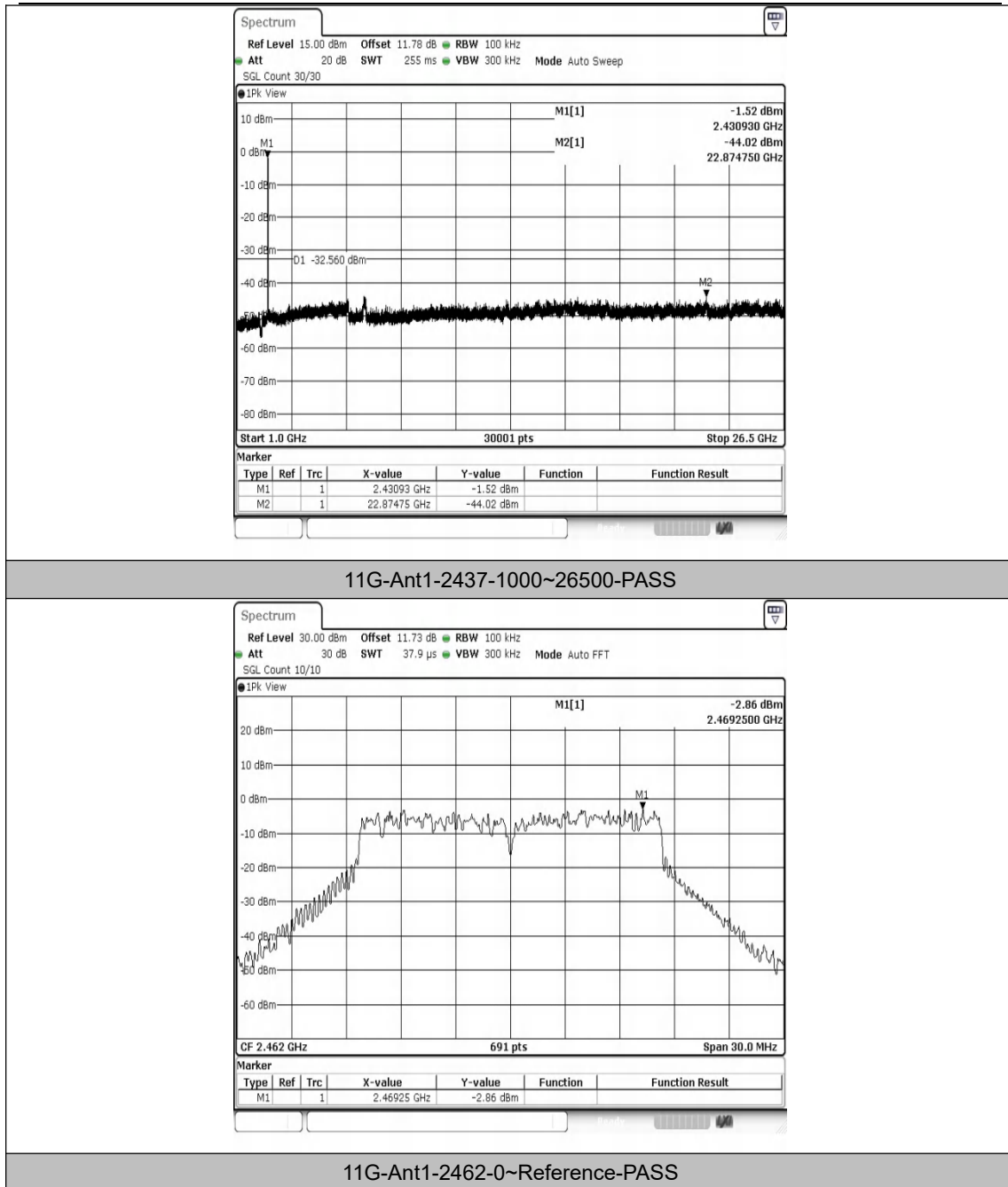


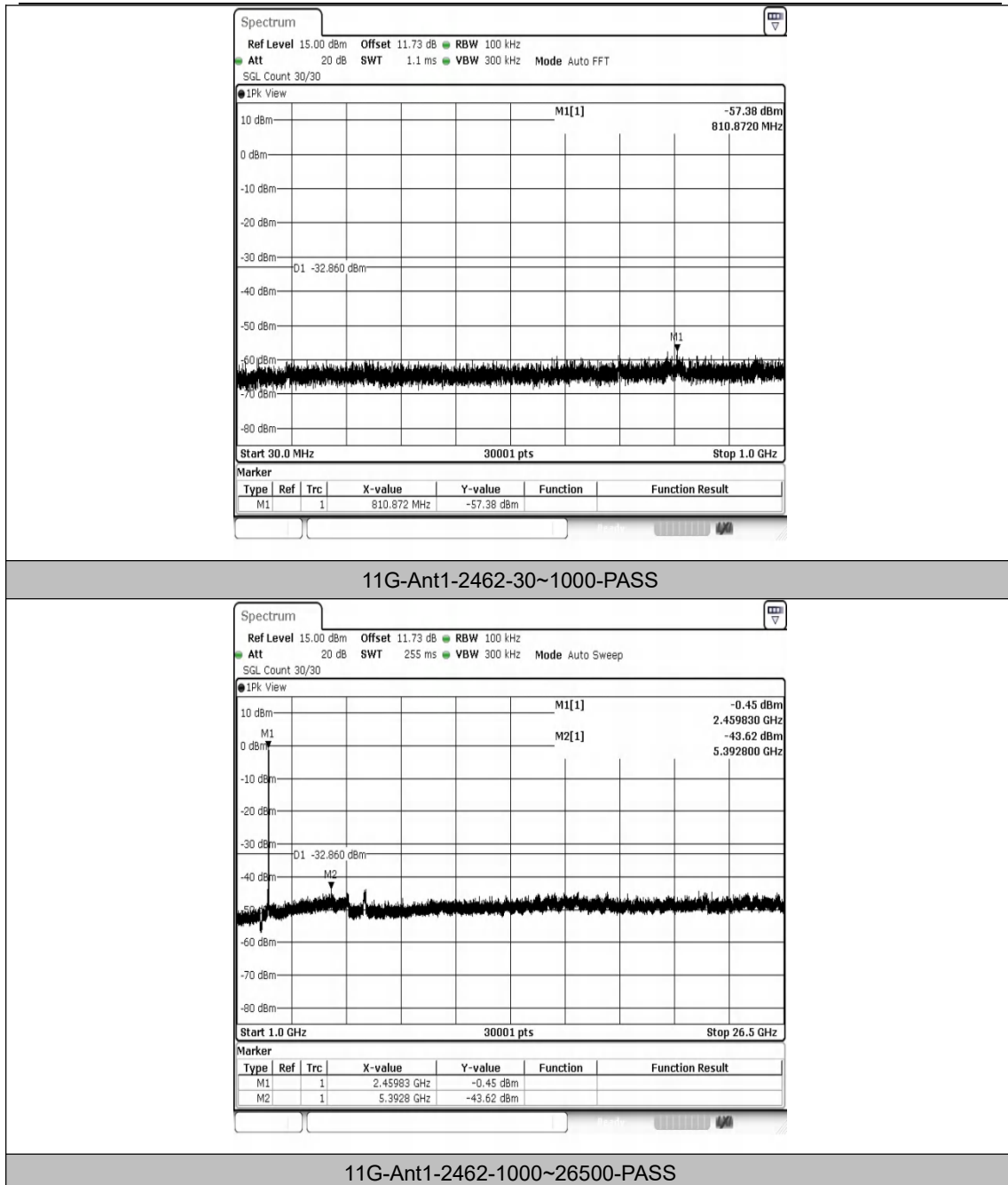


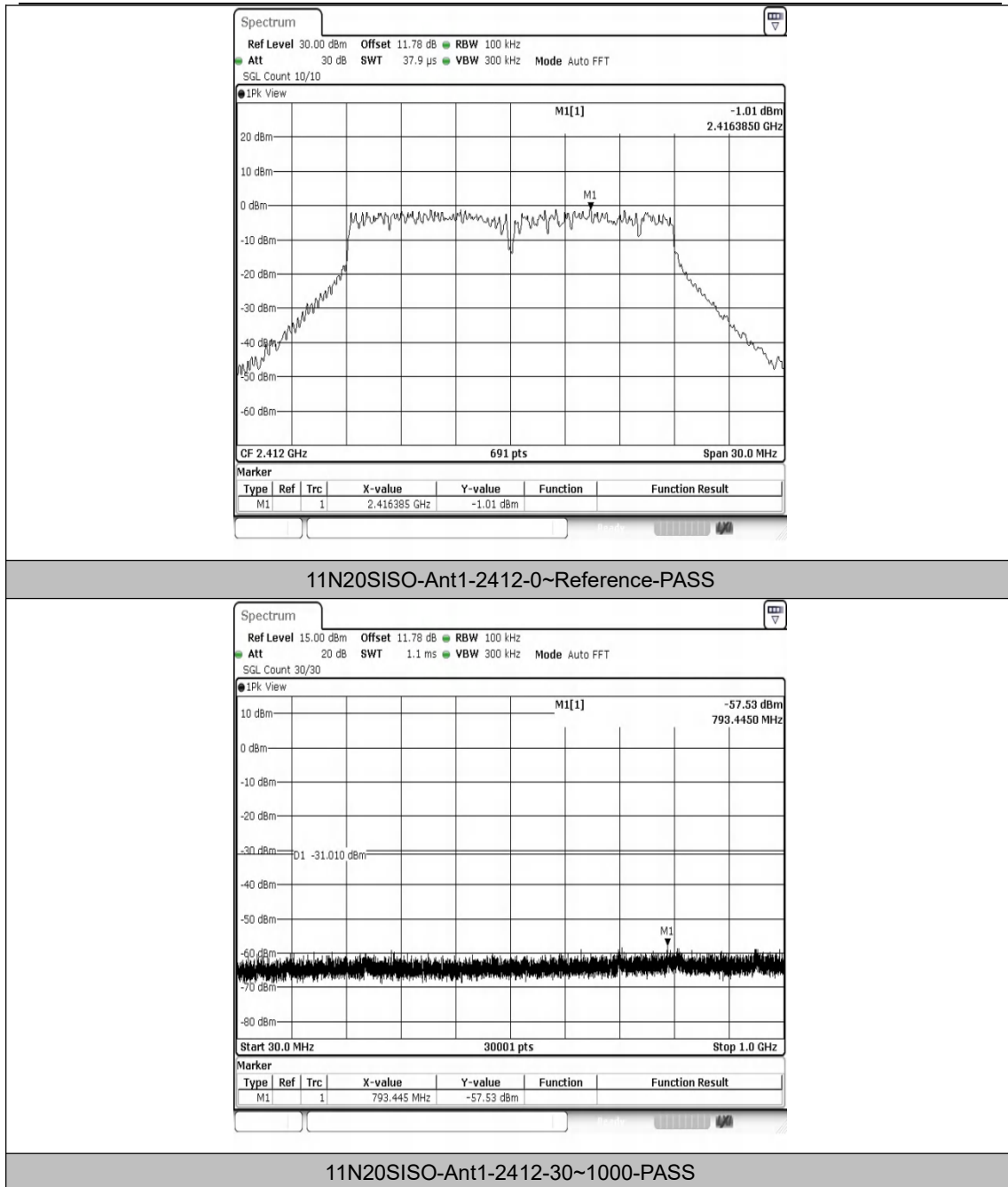


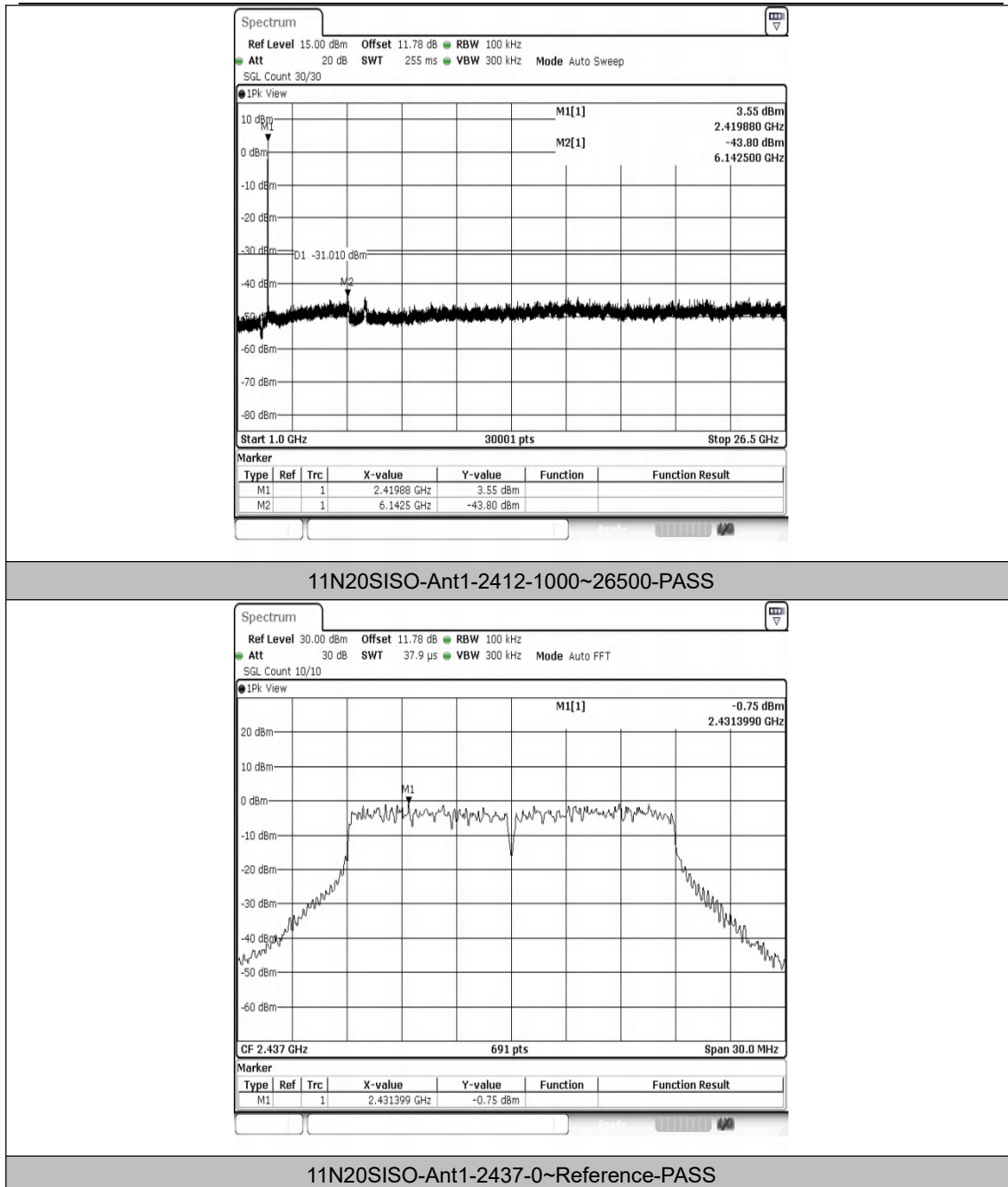


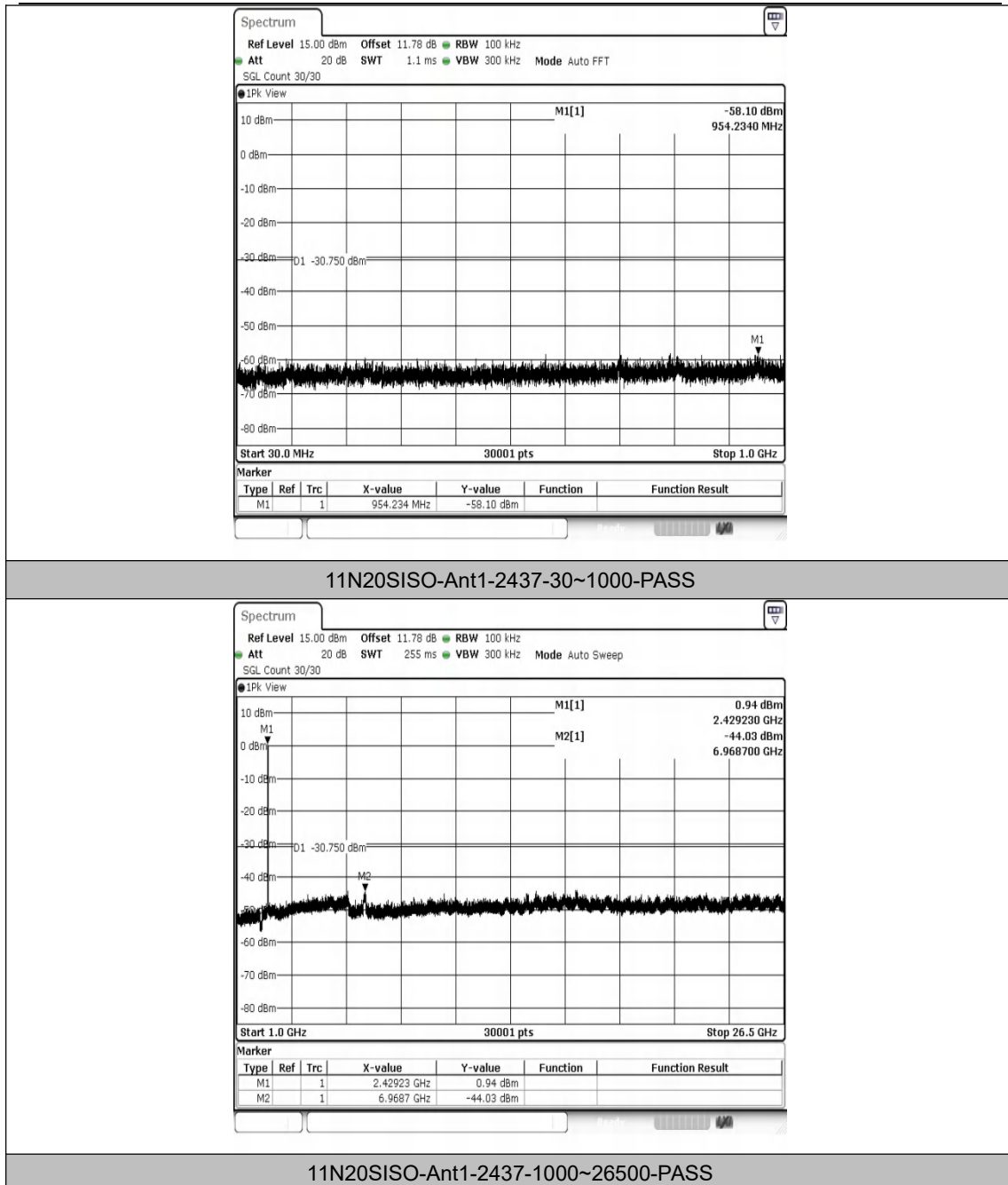


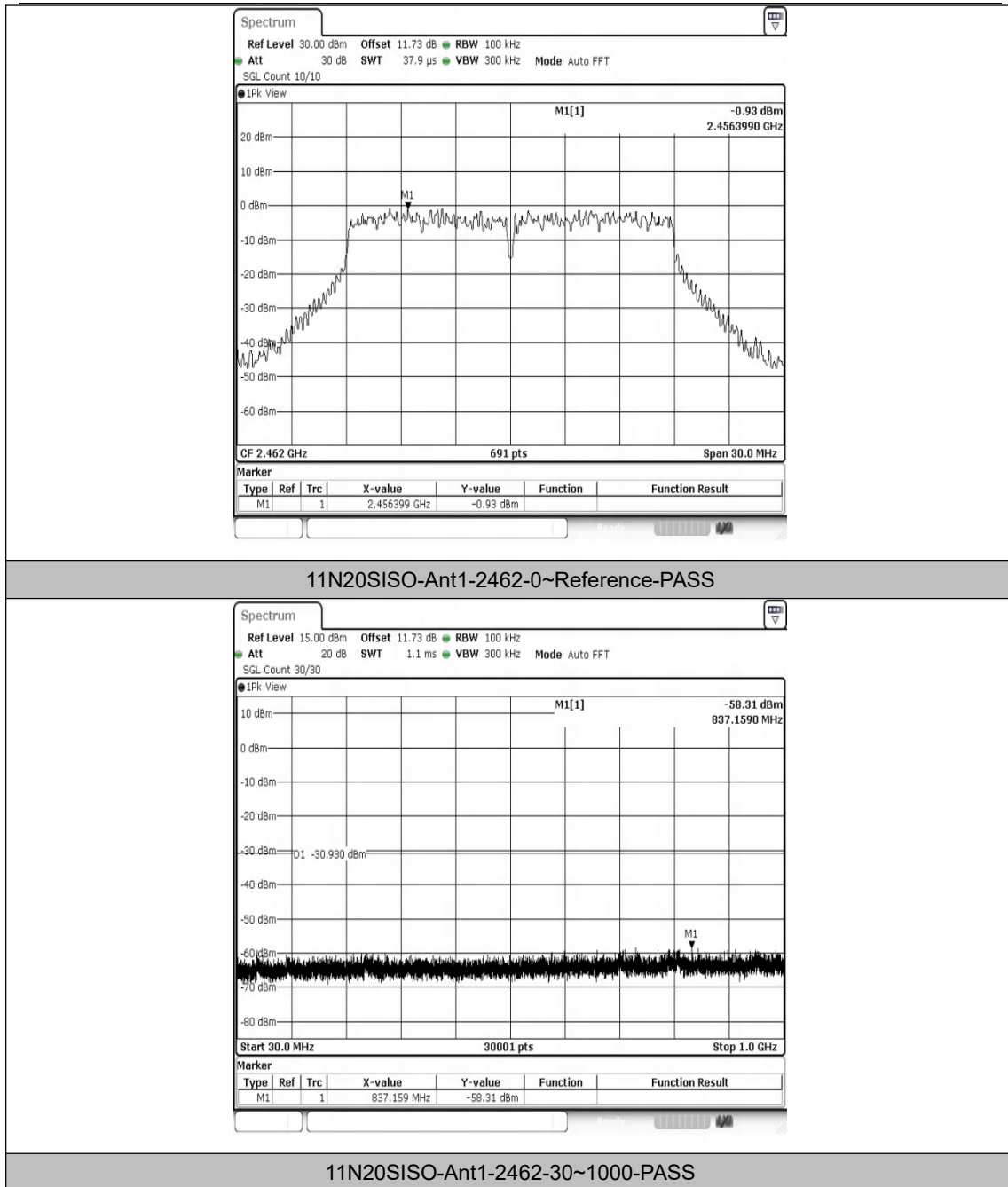


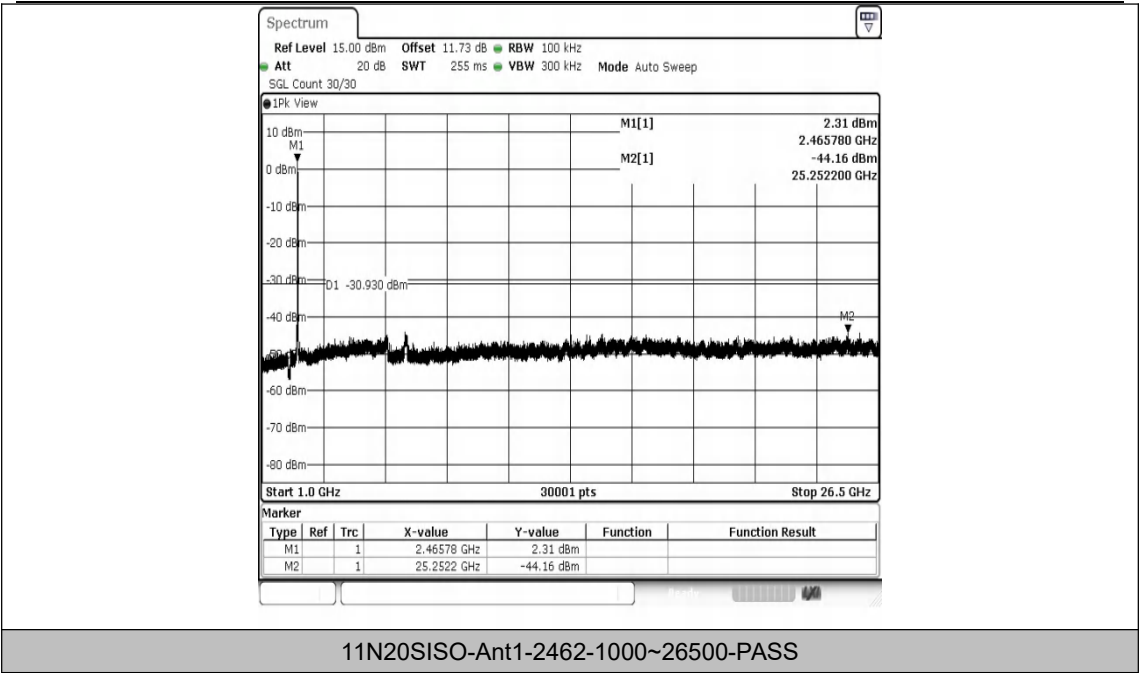












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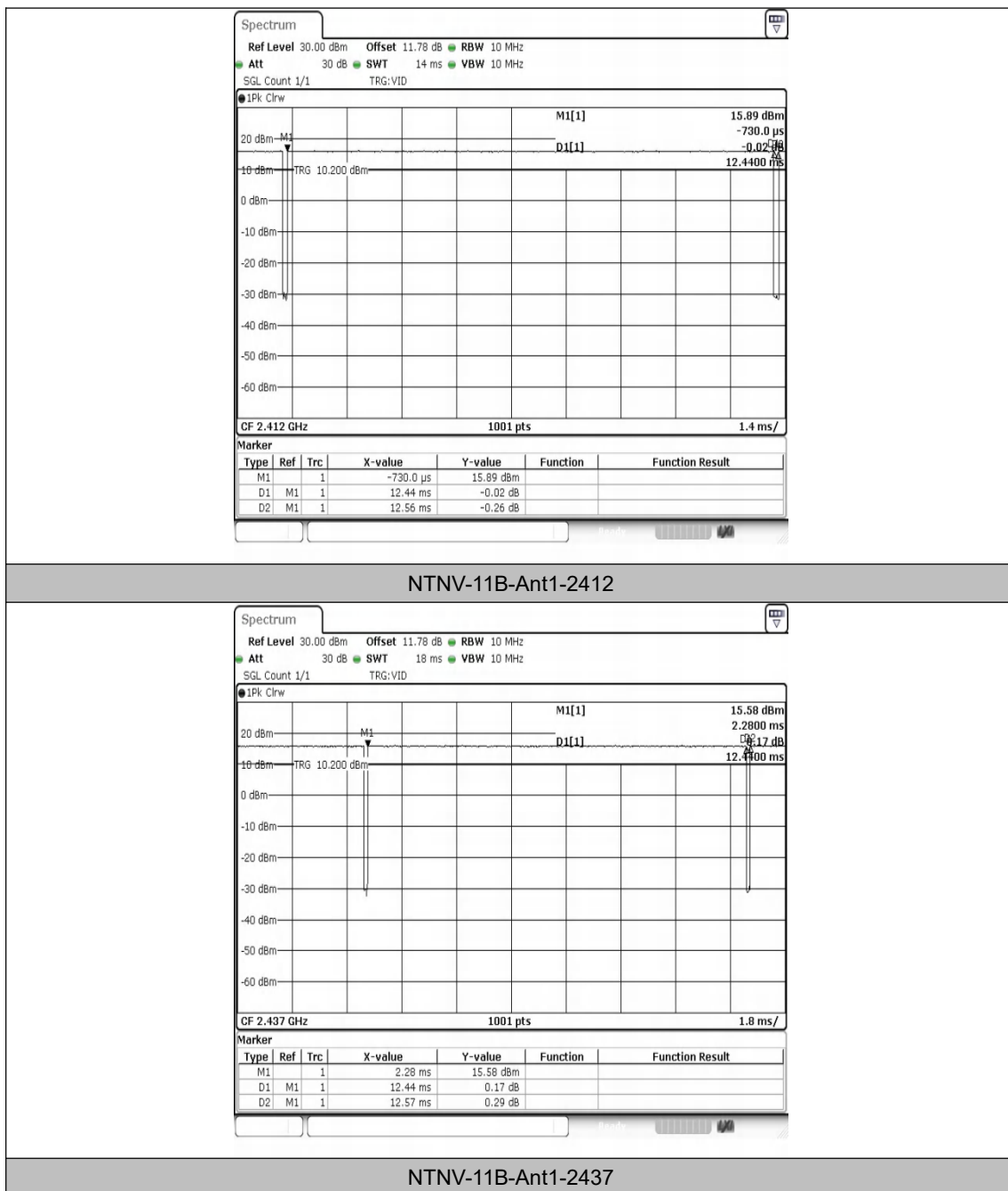
Appendix G: Duty Cycle

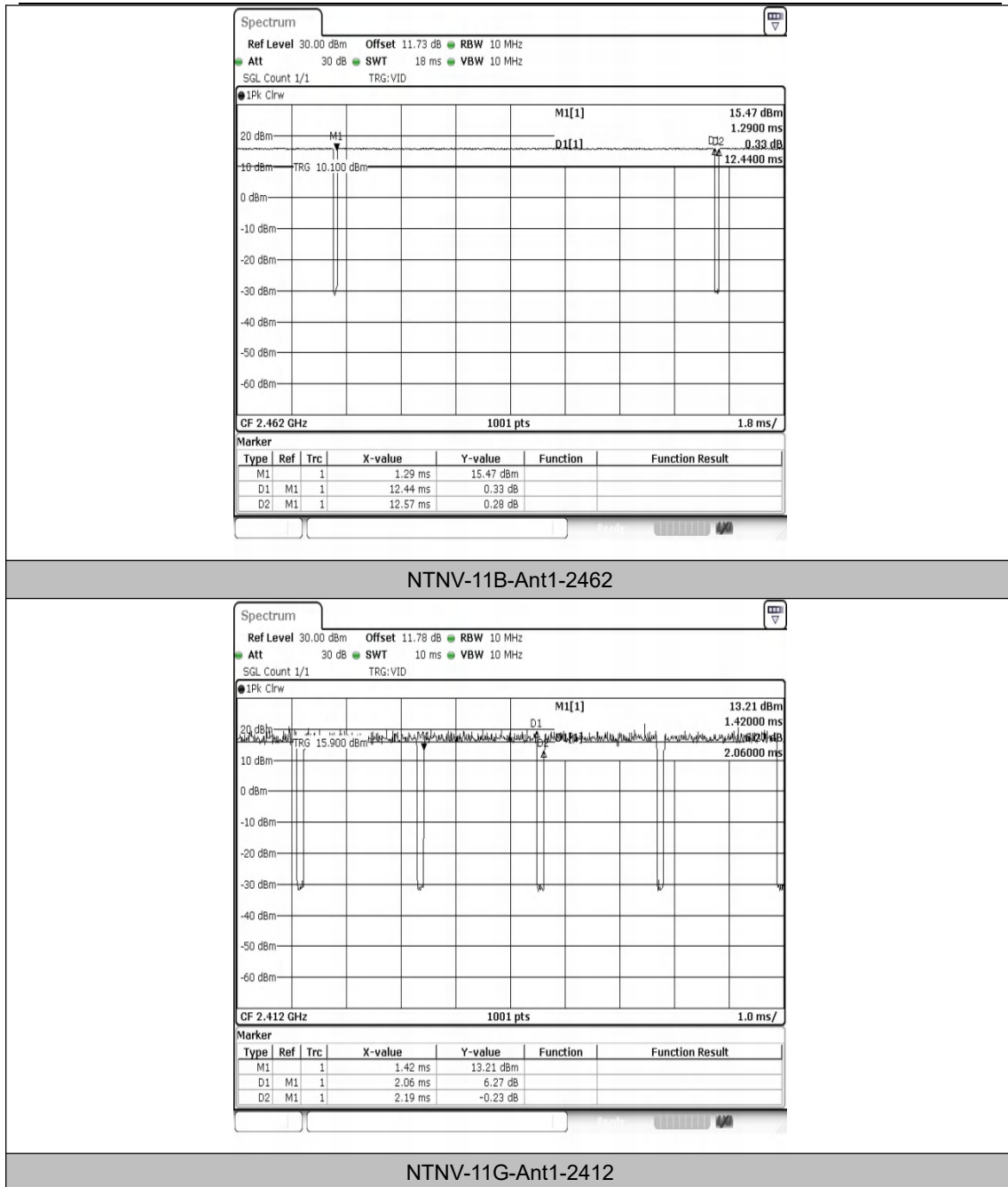
Test Result

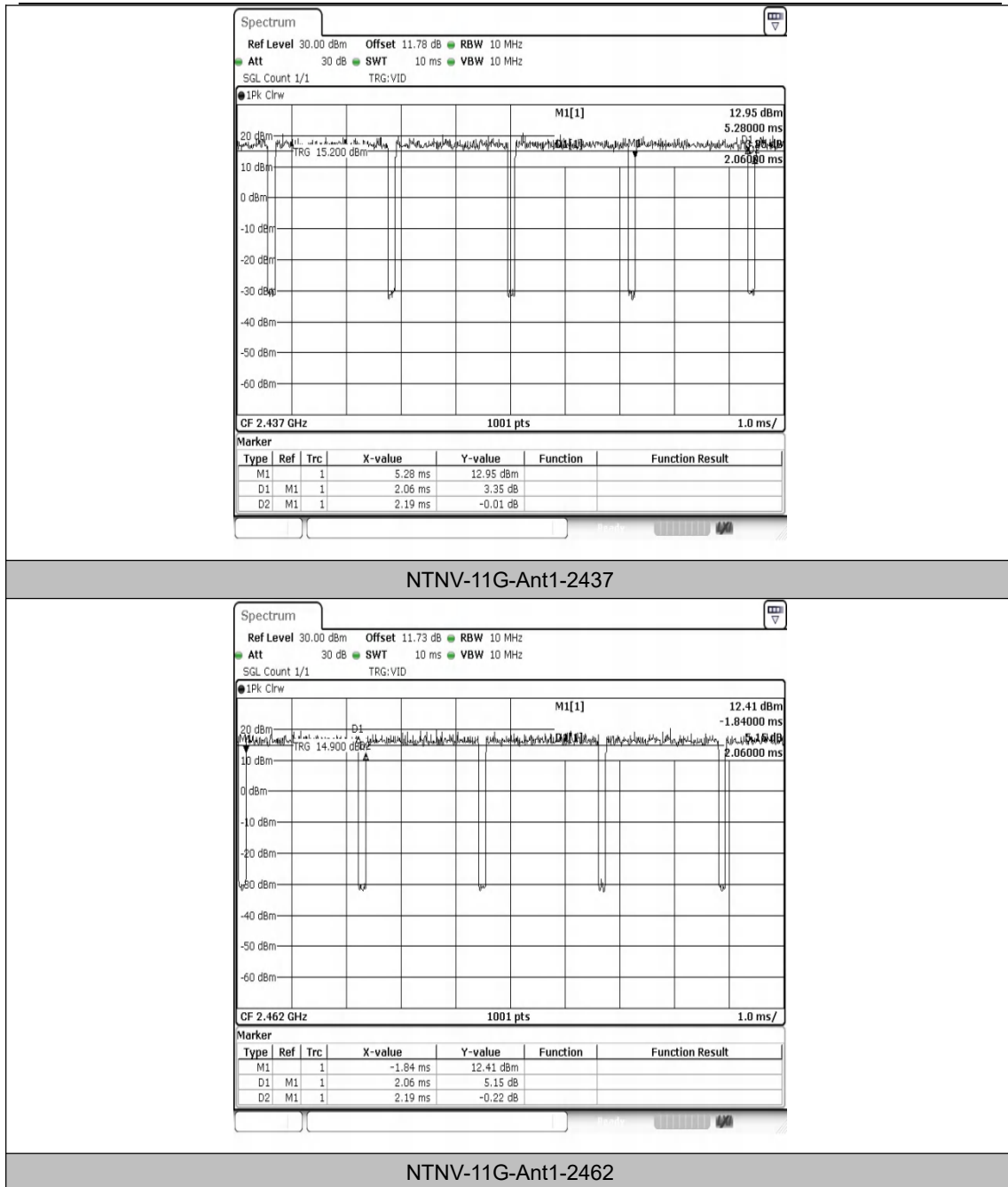
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.44	12.56	99.04	0.04
11B	Ant1	2437	12.44	12.57	98.97	0.04
11B	Ant1	2462	12.44	12.57	98.97	0.04
11G	Ant1	2412	2.06	2.19	94.06	0.27
11G	Ant1	2437	2.06	2.19	94.06	0.27
11G	Ant1	2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
11N20SISO	Ant1	2437	1.92	2.05	93.66	0.28
11N20SISO	Ant1	2462	1.92	2.05	93.66	0.28

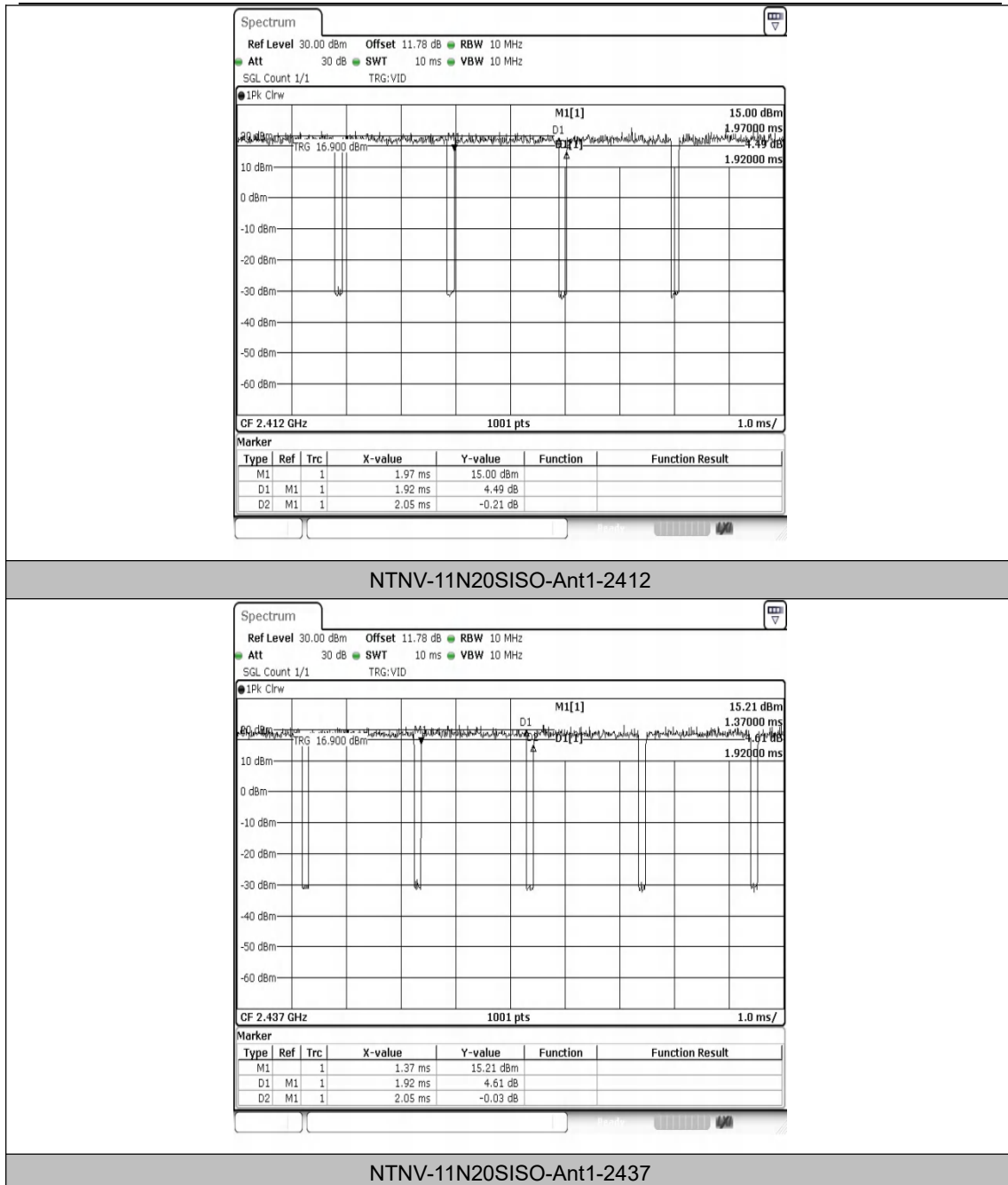


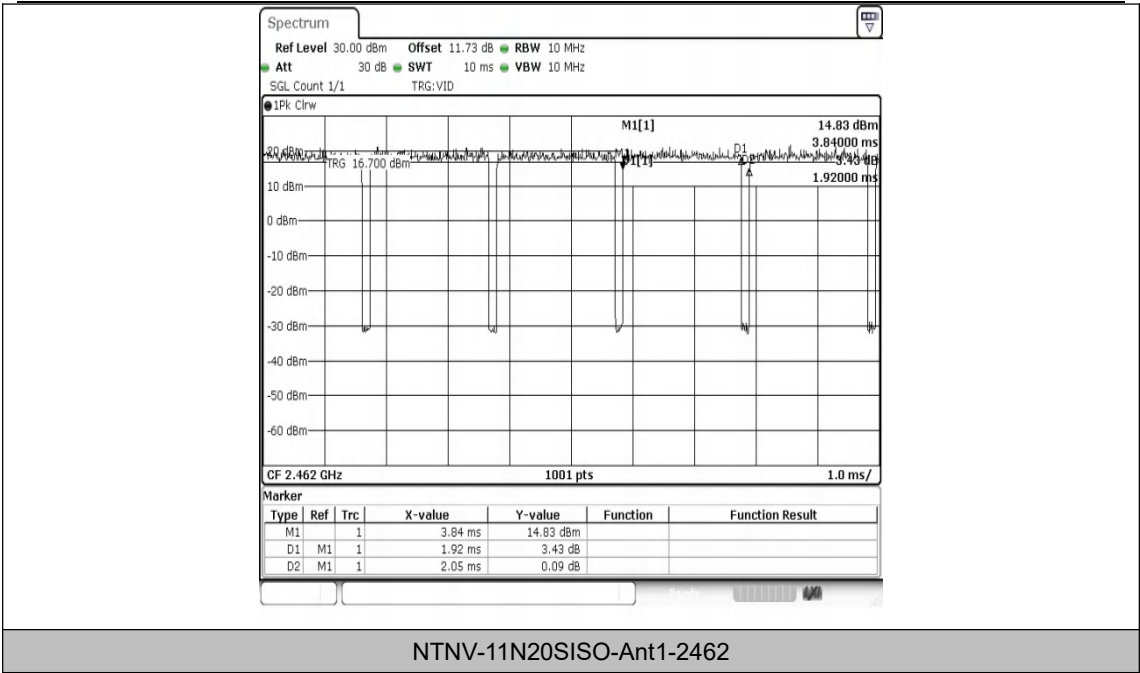
Test Graphs











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