

Appendix Test Data

Report No.:	1812C40135012502	Test Sample No.:	1-2-2
Start Test Date:	2024.11.12	Finish Test Date:	2024.11.21
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.9°C	Relative Humidity:	49%
Pressure:	101kPa		

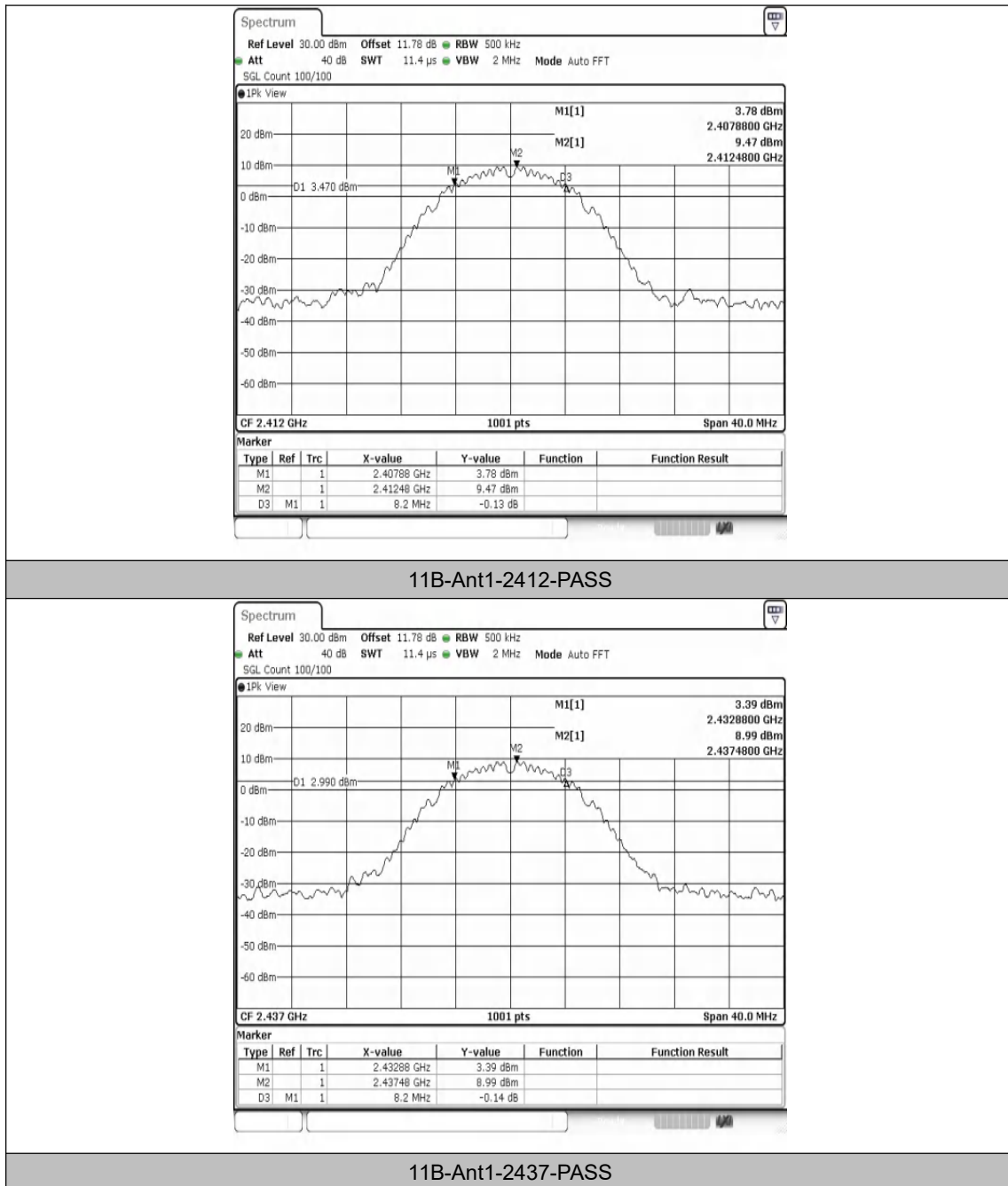
Appendix A: 6dB Bandwidth

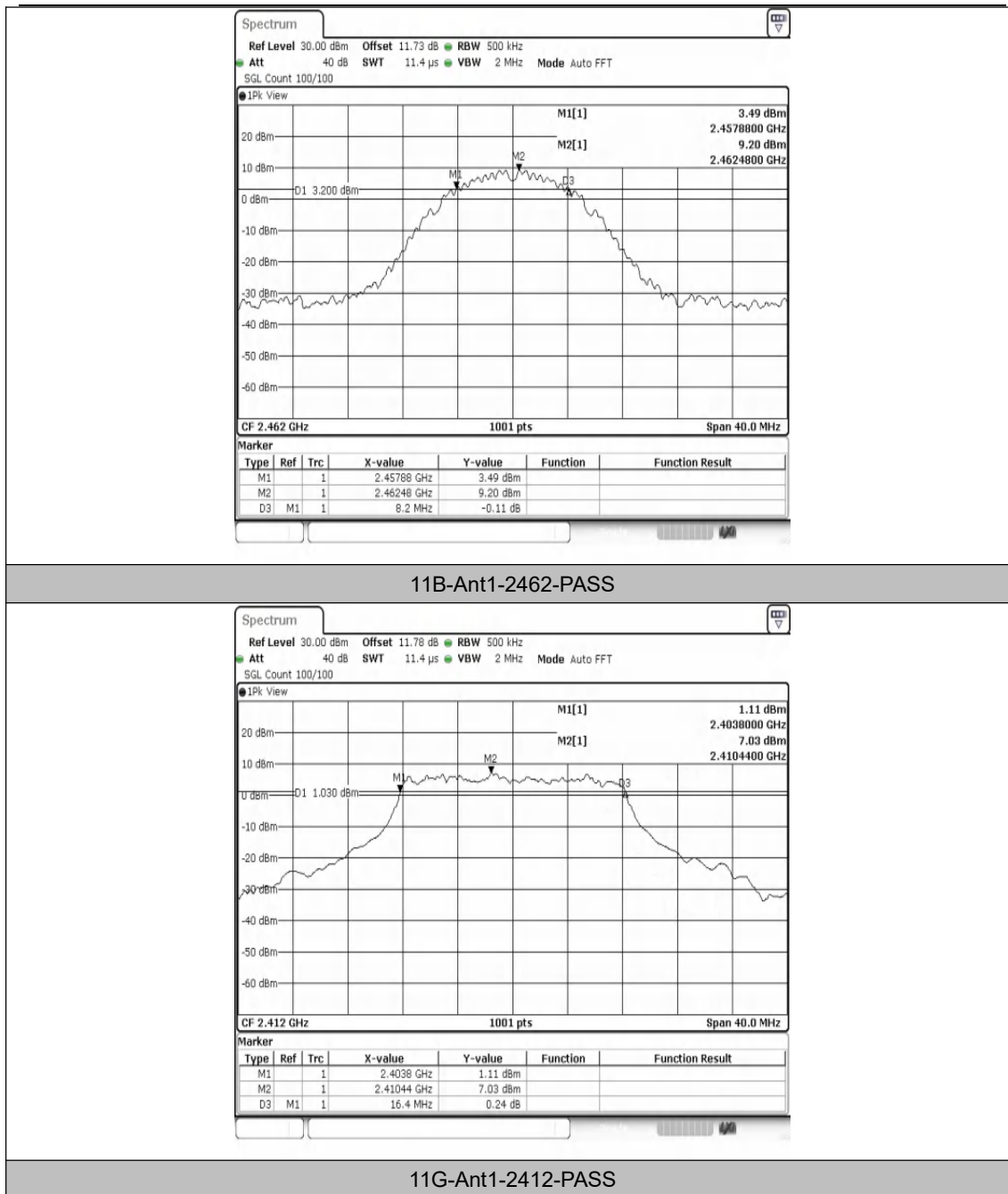
Test Result

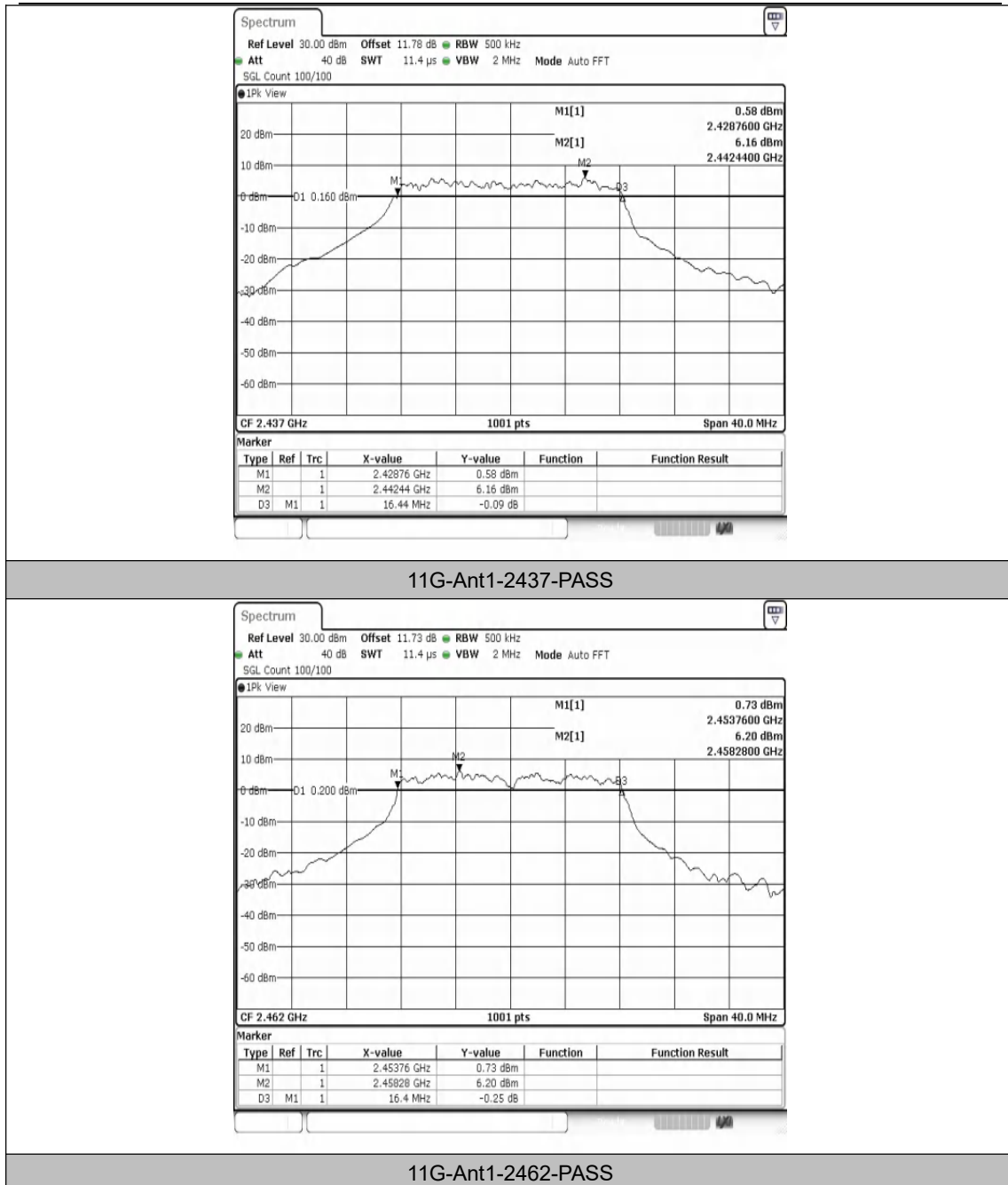
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.20	2407.88	2416.08	0.5	PASS
11B	Ant1	2437	8.20	2432.88	2441.08	0.5	PASS
11B	Ant1	2462	8.20	2457.88	2466.08	0.5	PASS
11G	Ant1	2412	16.40	2403.80	2420.20	0.5	PASS
11G	Ant1	2437	16.44	2428.76	2445.20	0.5	PASS
11G	Ant1	2462	16.40	2453.76	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.68	2403.12	2420.80	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.12	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.80	2453.12	2470.92	0.5	PASS
11N40SISO	Ant1	2422	36.32	2403.76	2440.08	0.5	PASS
11N40SISO	Ant1	2437	36.96	2418.20	2455.16	0.5	PASS
11N40SISO	Ant1	2452	36.40	2433.76	2470.16	0.5	PASS
11AX20SISO	Ant1	2412	19.00	2402.48	2421.48	0.5	PASS
11AX20SISO	Ant1	2437	19.08	2427.36	2446.44	0.5	PASS
11AX20SISO	Ant1	2462	18.96	2452.48	2471.44	0.5	PASS
11AX40SISO	Ant1	2422	38.00	2402.88	2440.88	0.5	PASS
11AX40SISO	Ant1	2437	38.00	2417.88	2455.88	0.5	PASS
11AX40SISO	Ant1	2452	38.16	2432.88	2471.04	0.5	PASS

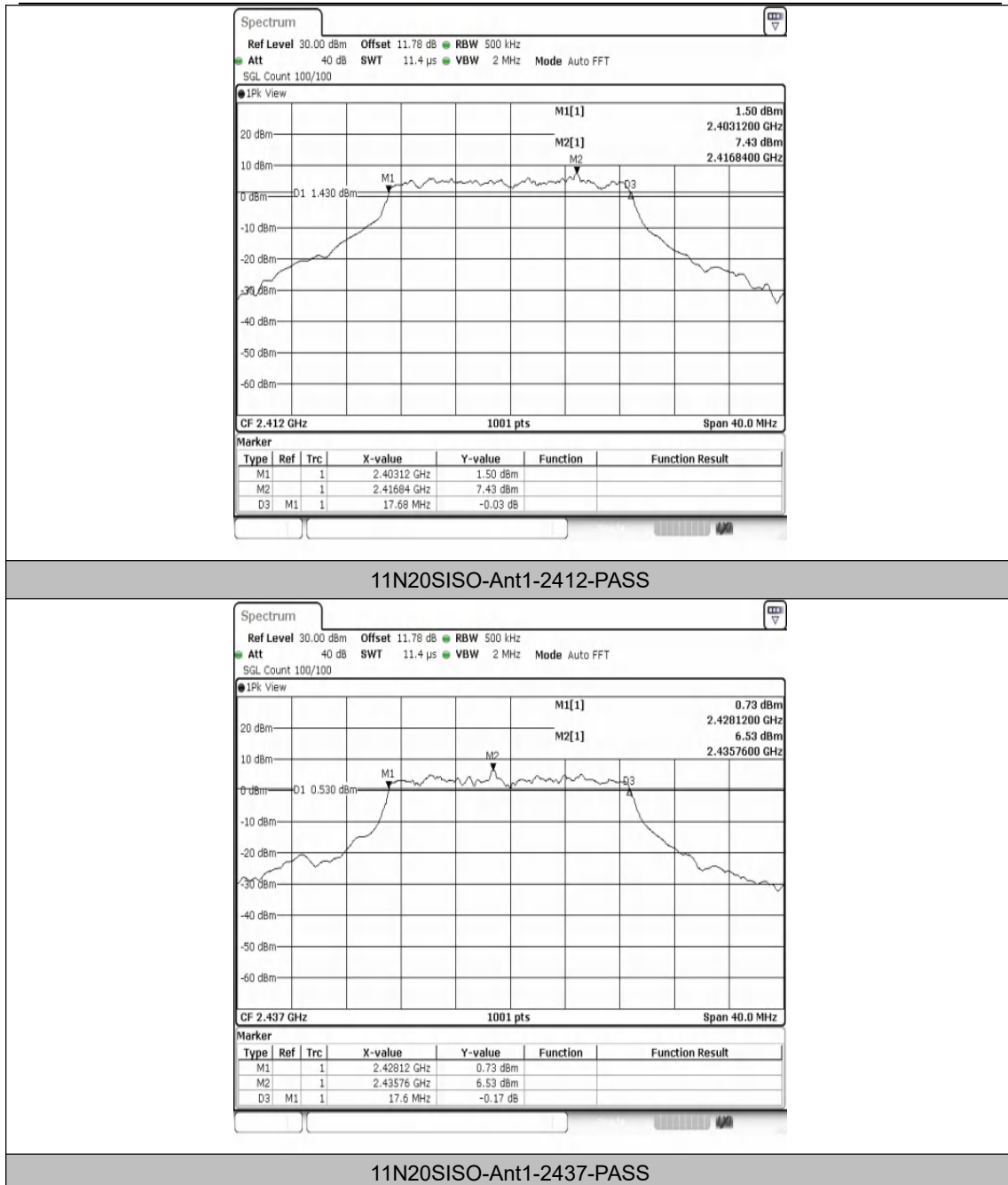


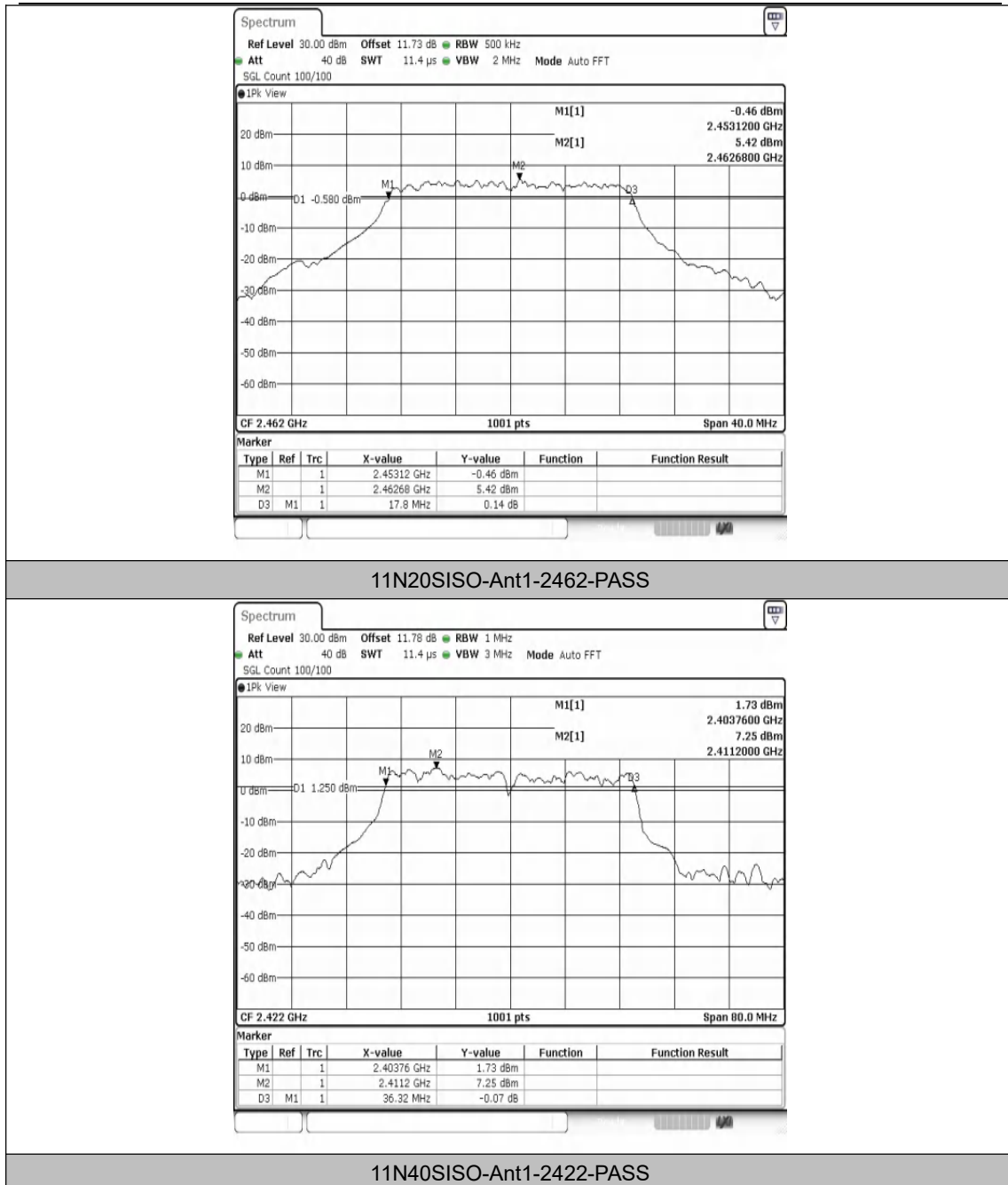
Test Graphs

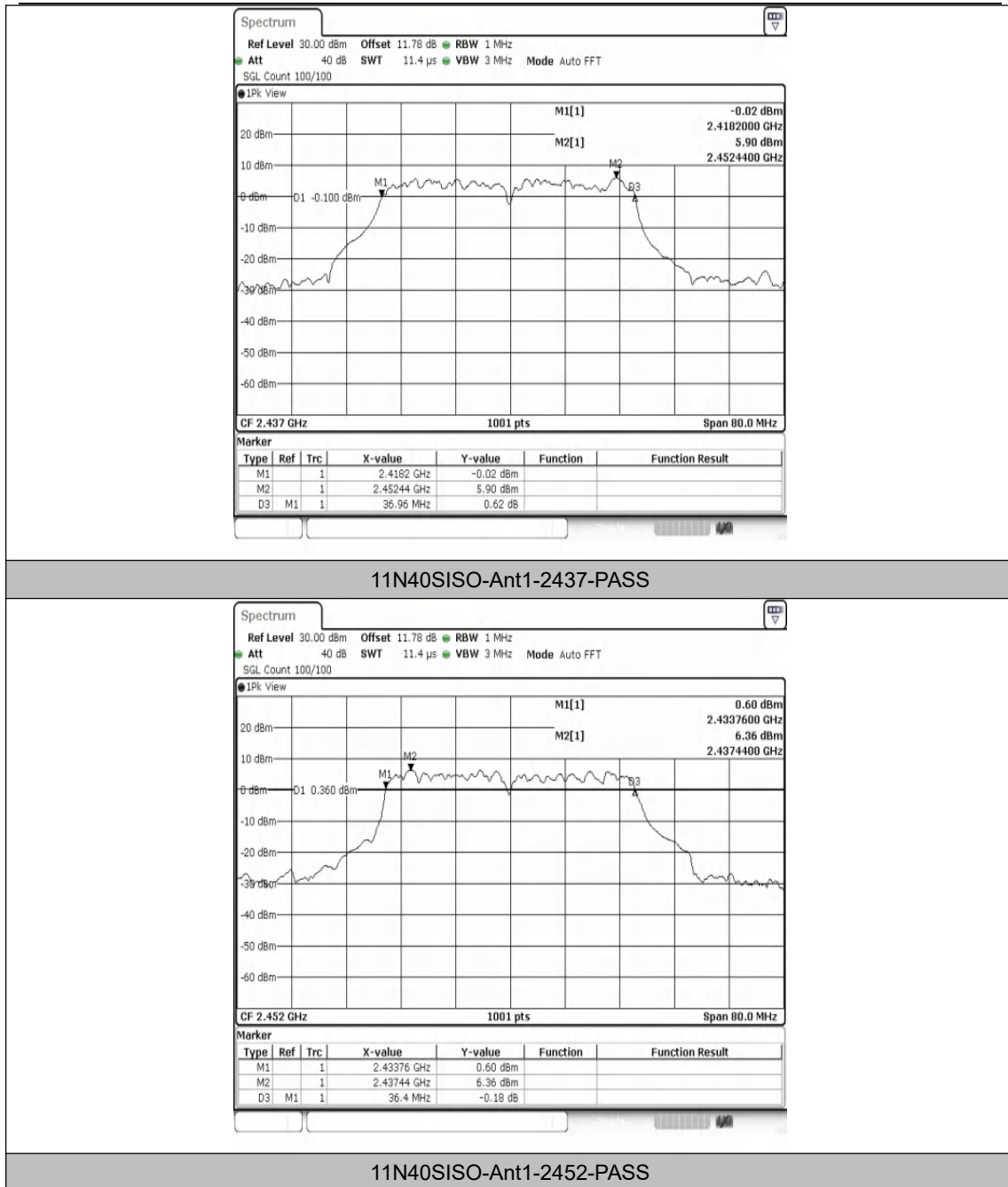


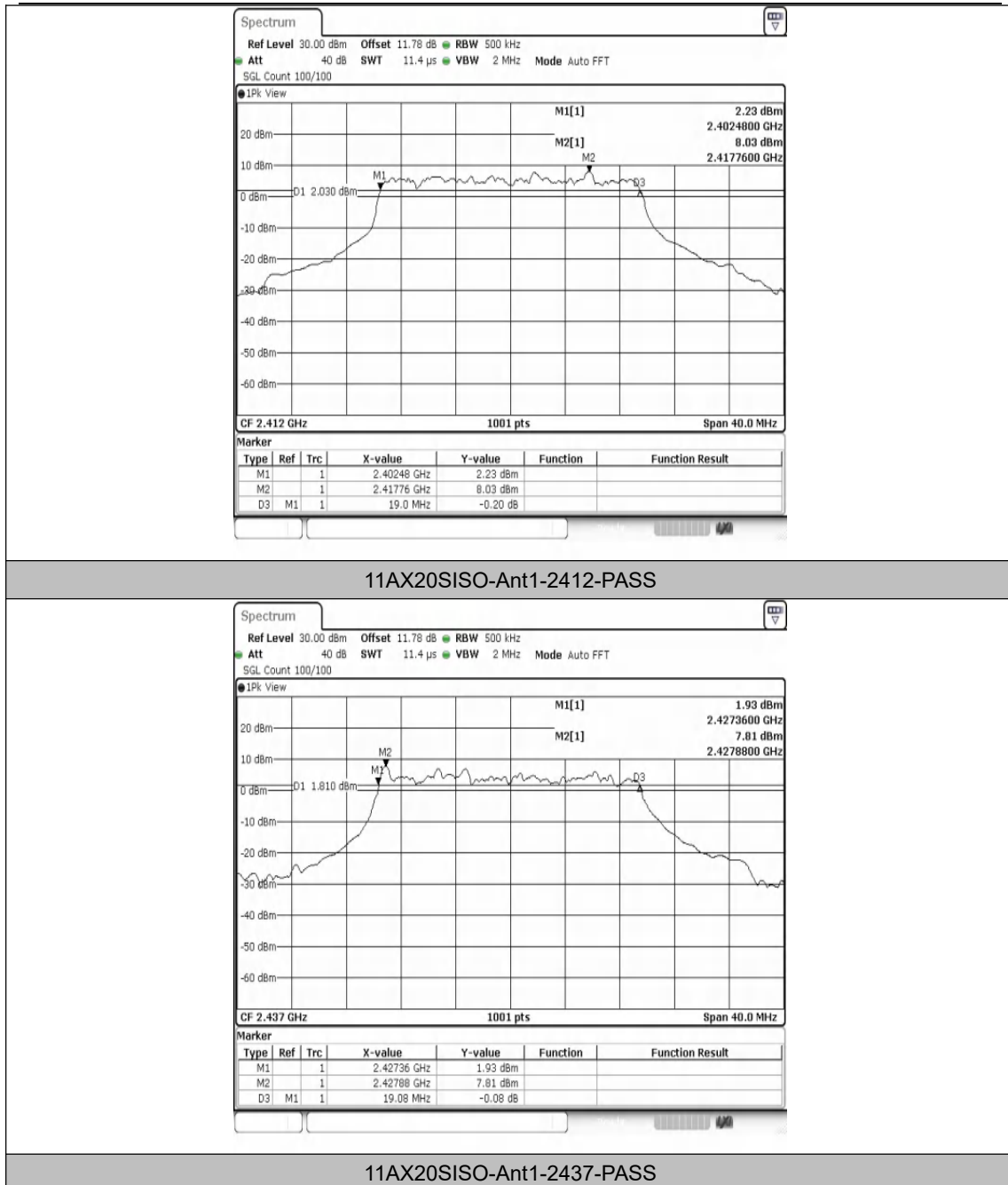


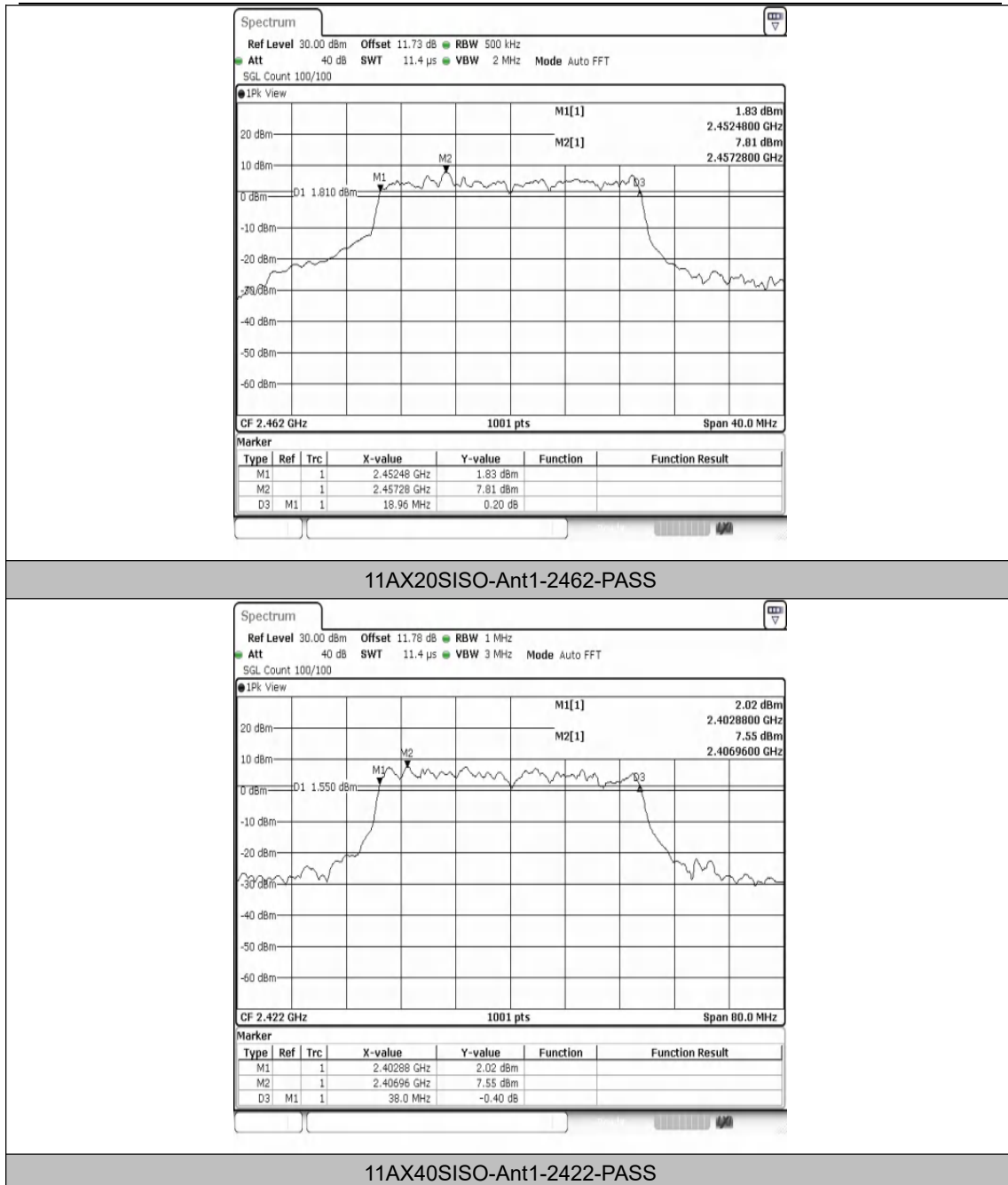


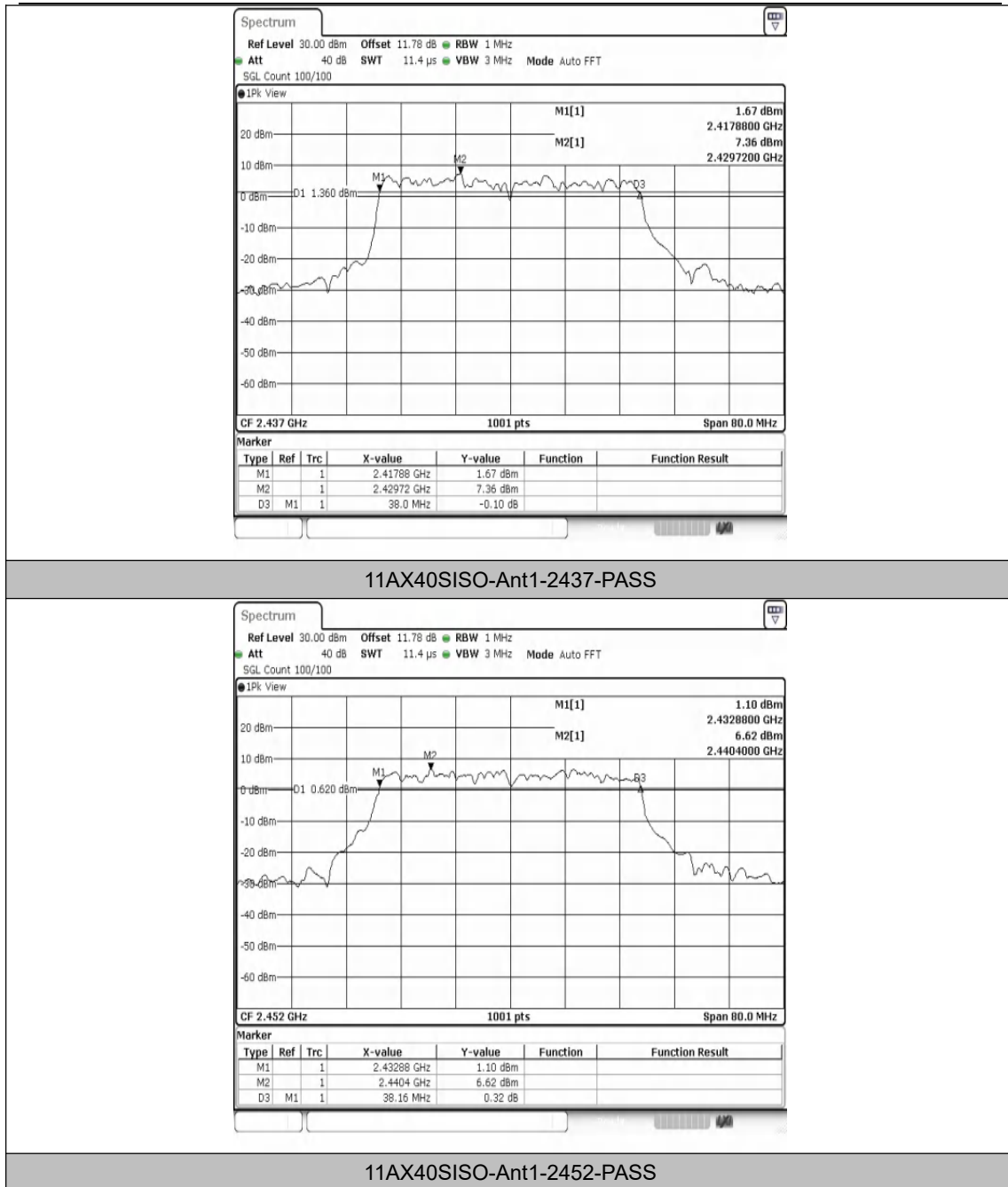












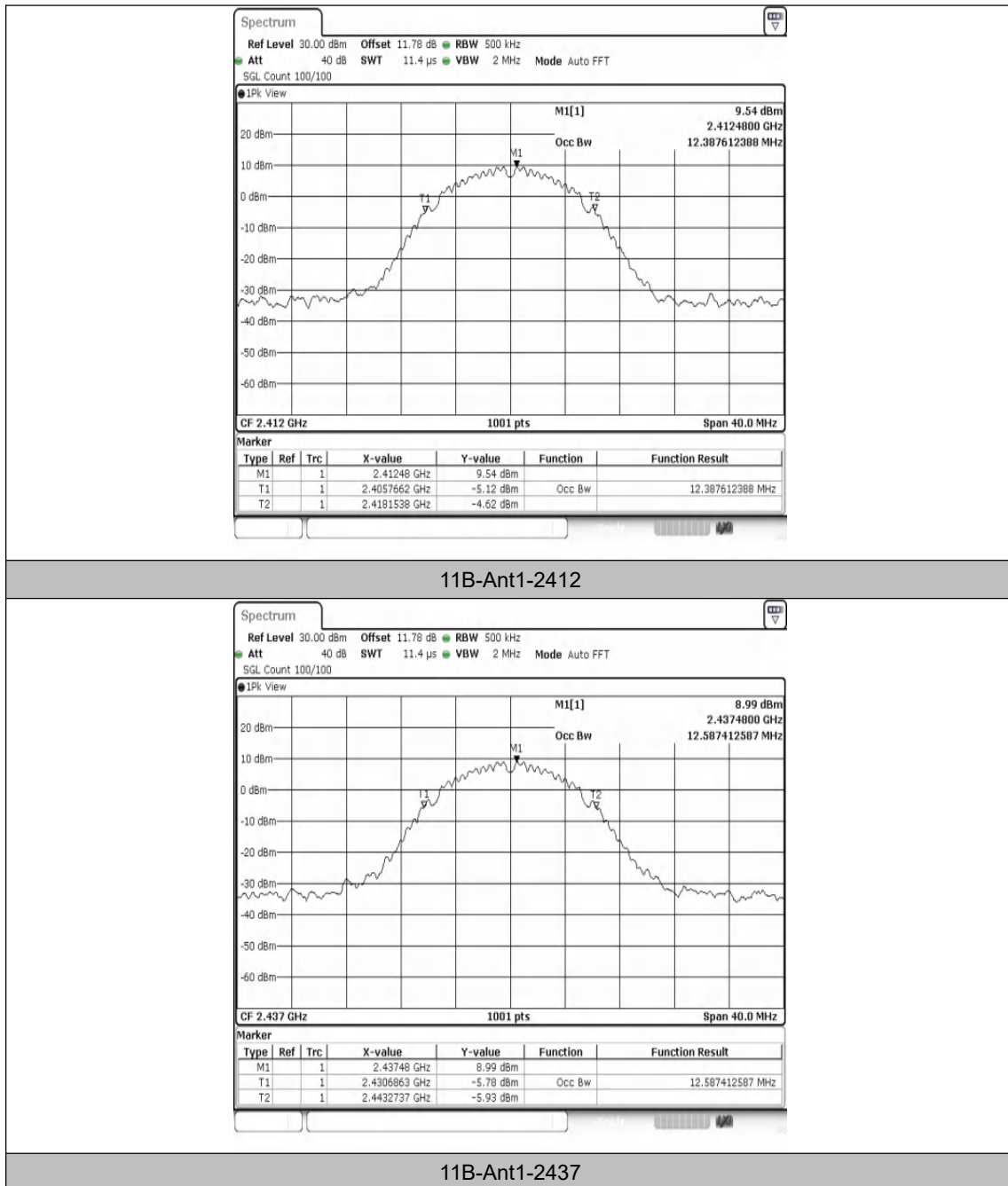
Appendix B: 99% Occupied Bandwidth

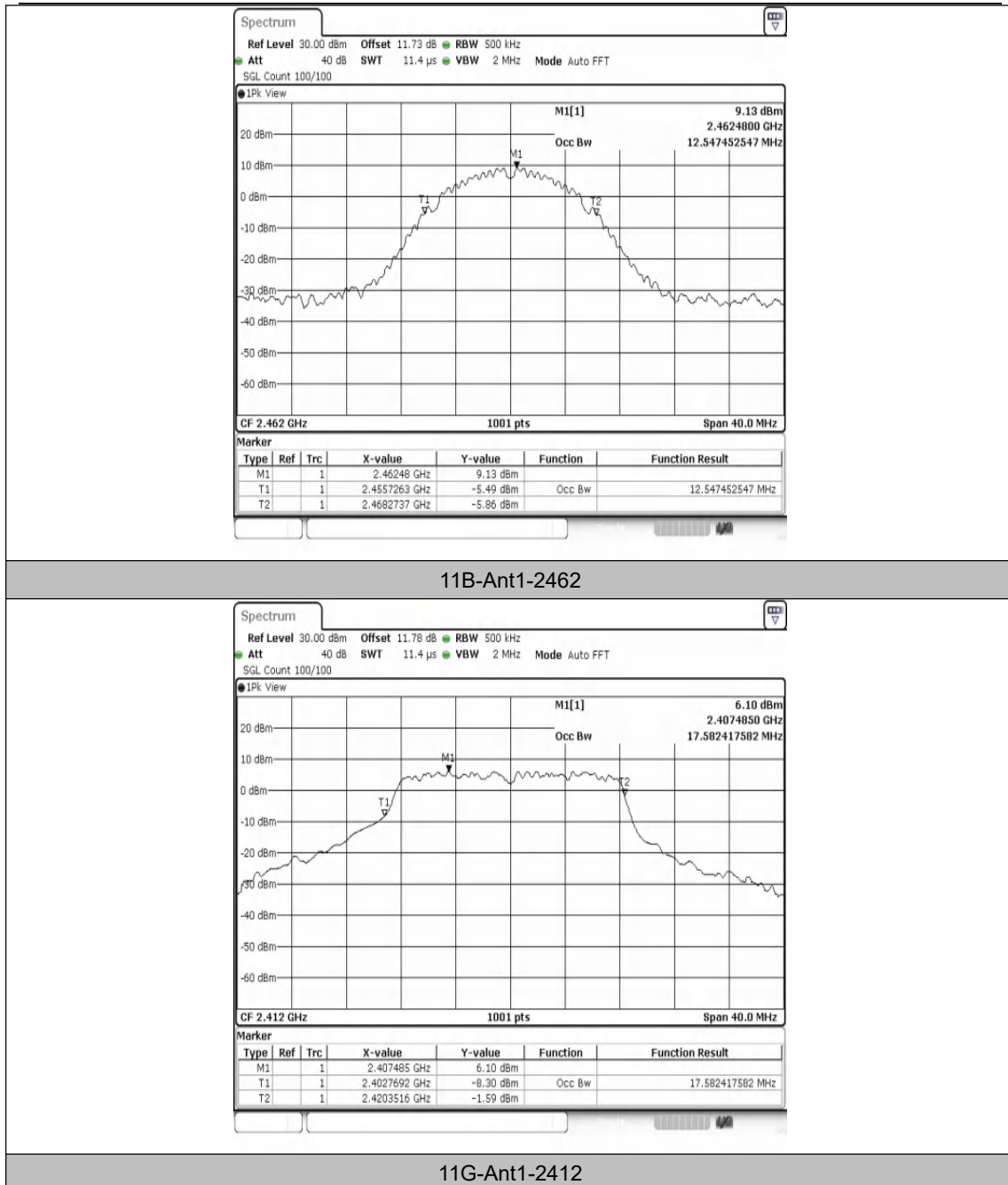
Test Result

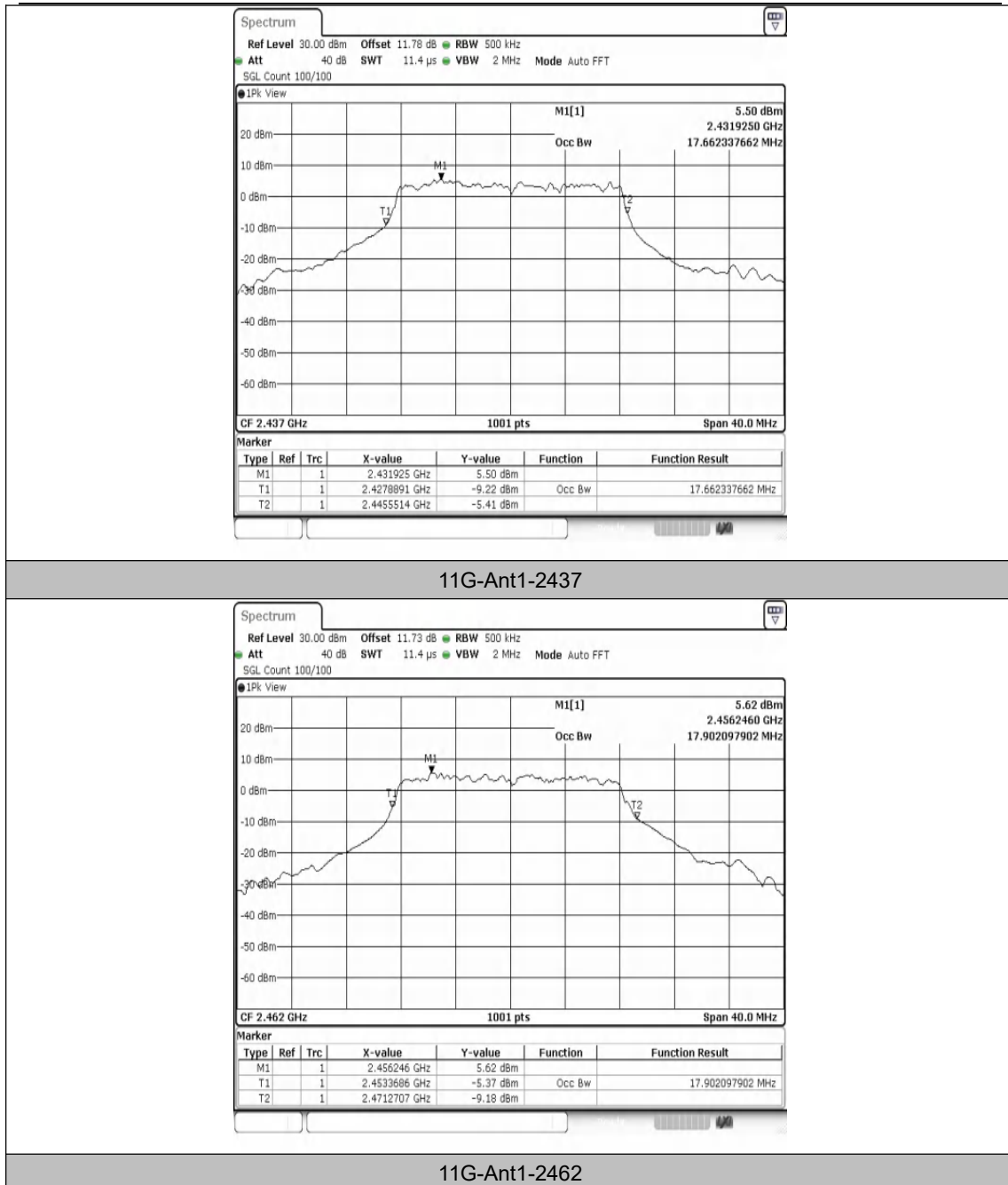
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.388	2405.7662	2418.1538	---	---
11B	Ant1	2437	12.587	2430.6863	2443.2737	---	---
11B	Ant1	2462	12.547	2455.7263	2468.2737	---	---
11G	Ant1	2412	17.582	2402.7692	2420.3516	---	---
11G	Ant1	2437	17.662	2427.8891	2445.5514	---	---
11G	Ant1	2462	17.902	2453.3686	2471.2707	---	---
11N20SISO	Ant1	2412	18.661	2402.8092	2421.4705	---	---
11N20SISO	Ant1	2437	18.621	2427.6893	2446.3107	---	---
11N20SISO	Ant1	2462	18.581	2452.8092	2471.3906	---	---
11N40SISO	Ant1	2422	37.163	2403.5385	2440.7013	---	---
11N40SISO	Ant1	2437	37.083	2418.2188	2455.3017	---	---
11N40SISO	Ant1	2452	37.163	2433.0589	2470.2218	---	---
11AX20SISO	Ant1	2412	19.341	2402.2098	2421.5504	---	---
11AX20SISO	Ant1	2437	19.58	2427.3696	2446.9500	---	---
11AX20SISO	Ant1	2462	19.62	2452.1698	2471.7902	---	---
11AX40SISO	Ant1	2422	38.282	2402.8192	2441.1009	---	---
11AX40SISO	Ant1	2437	38.681	2417.8192	2456.5005	---	---
11AX40SISO	Ant1	2452	38.042	2432.9790	2471.0210	---	---

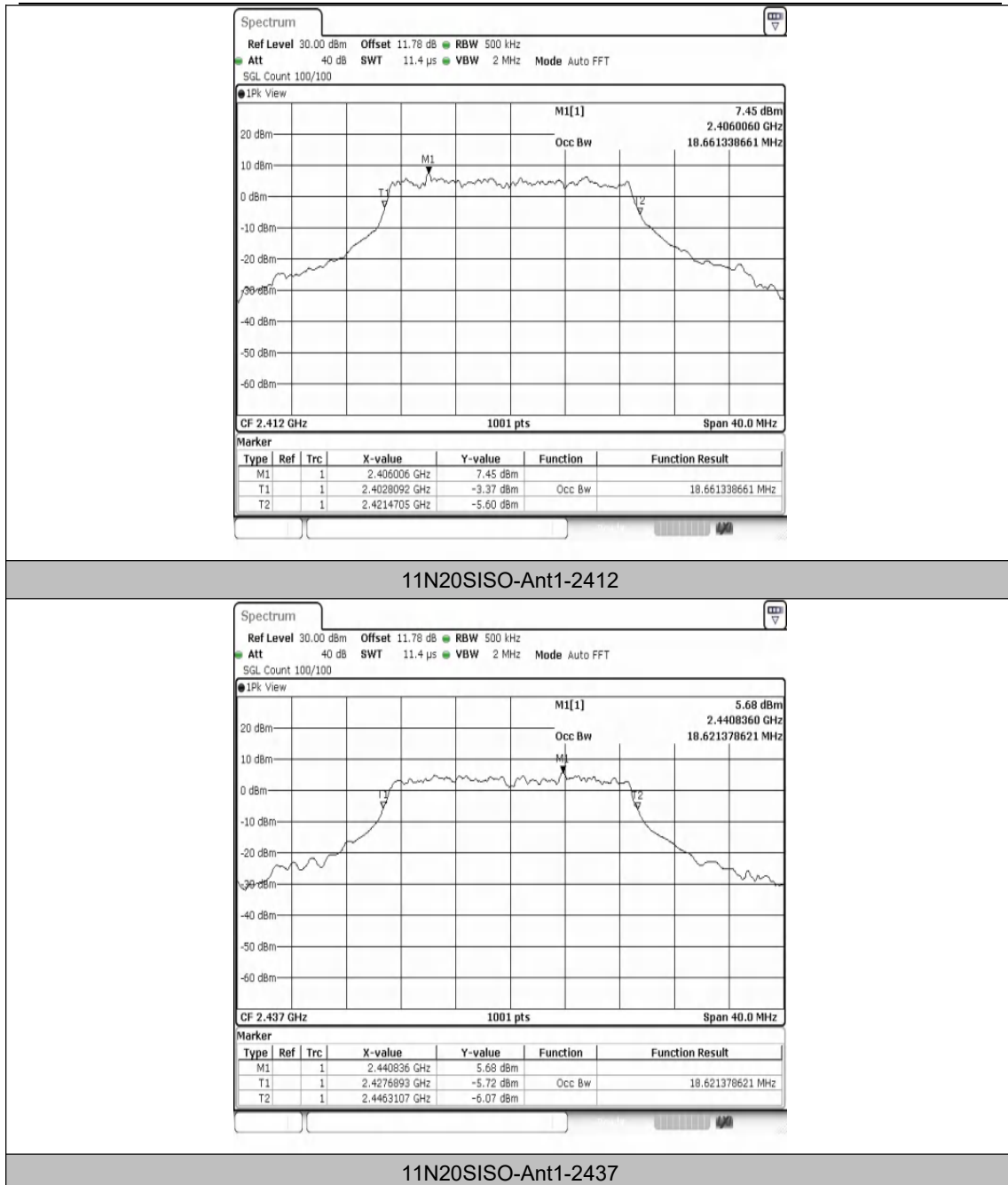


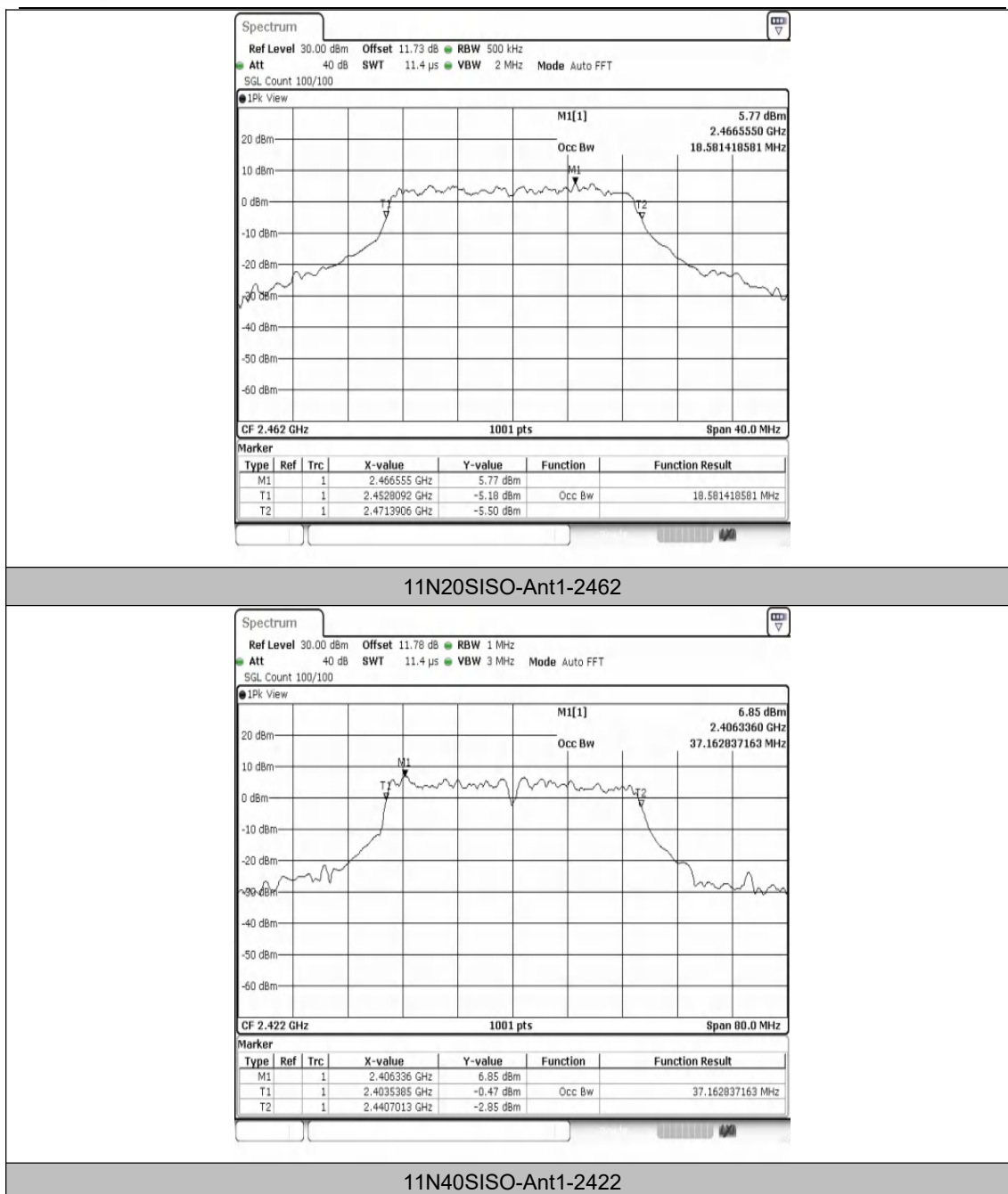
Test Graphs

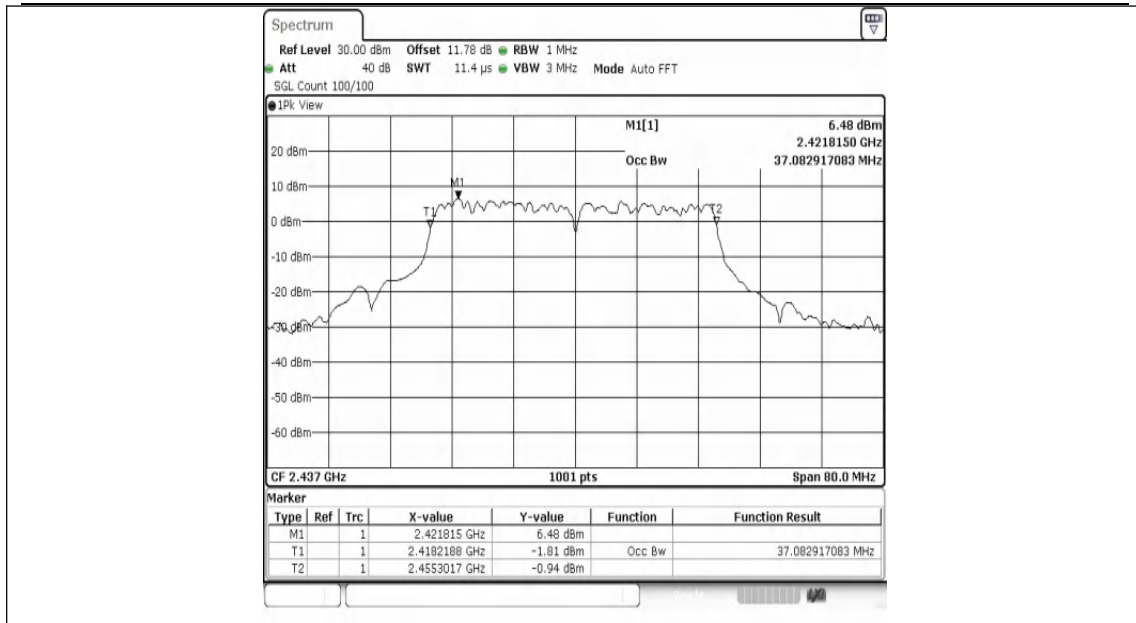




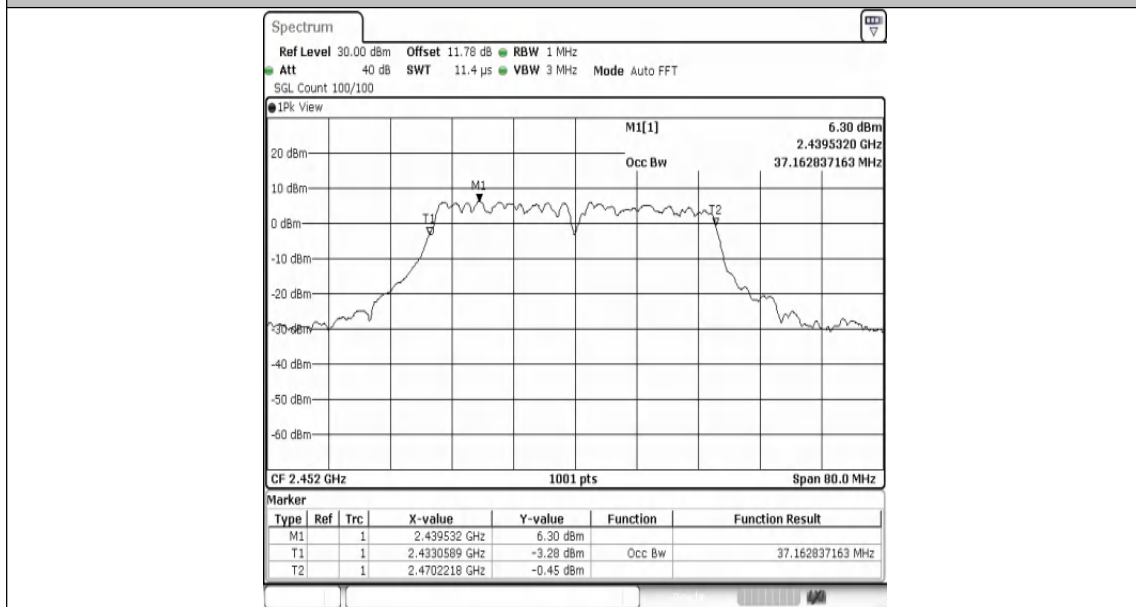






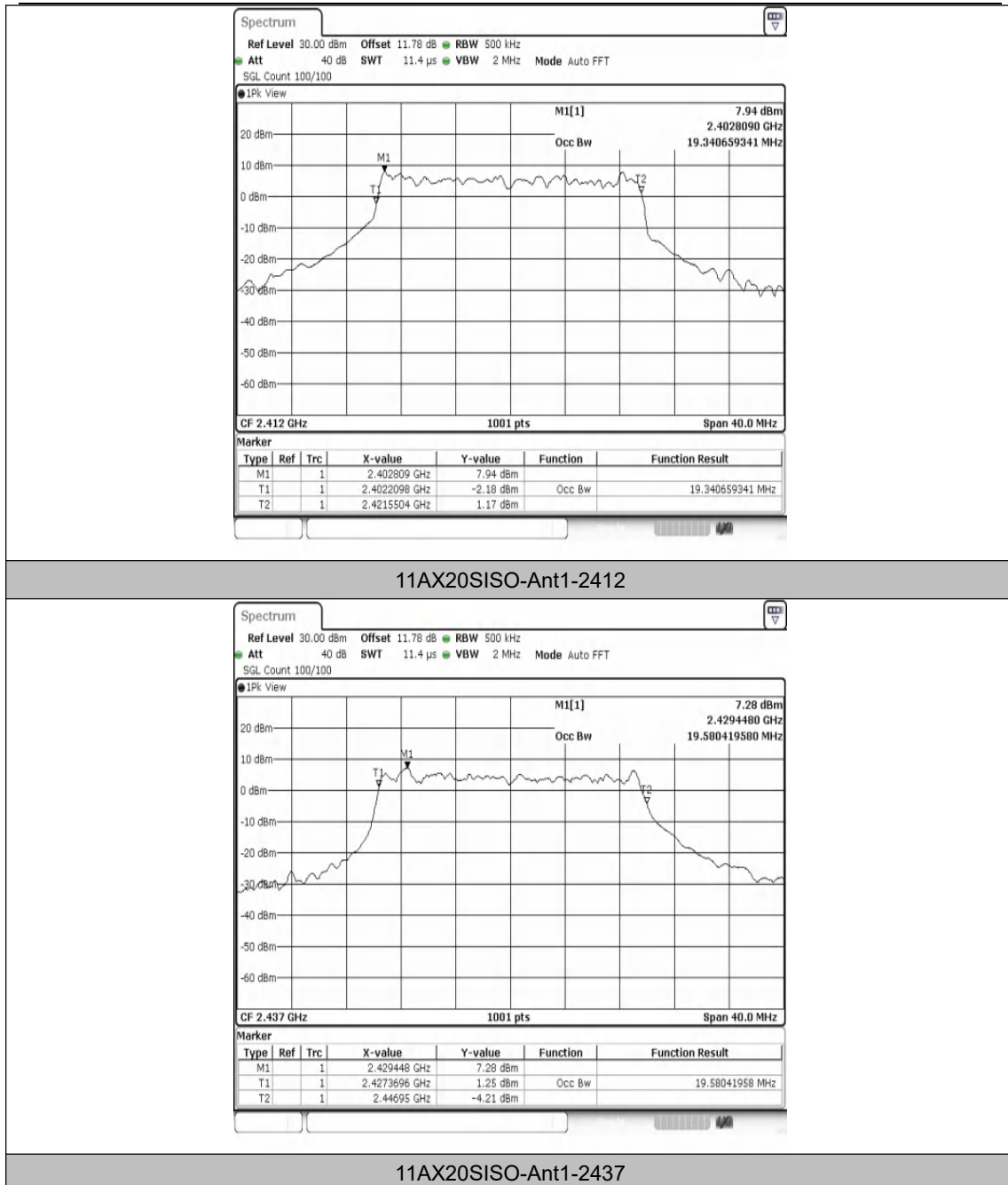


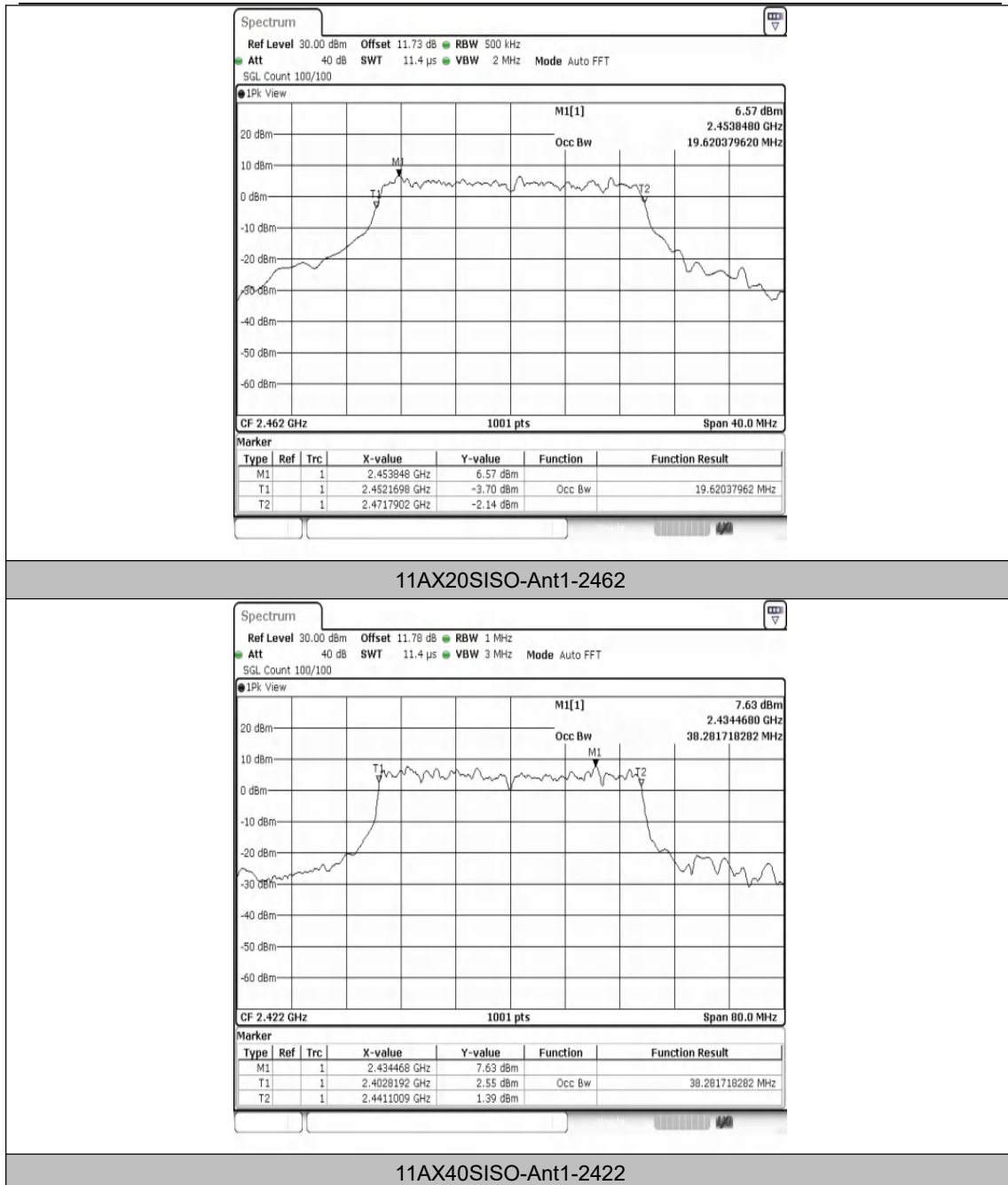
11N40SISO-Ant1-2437

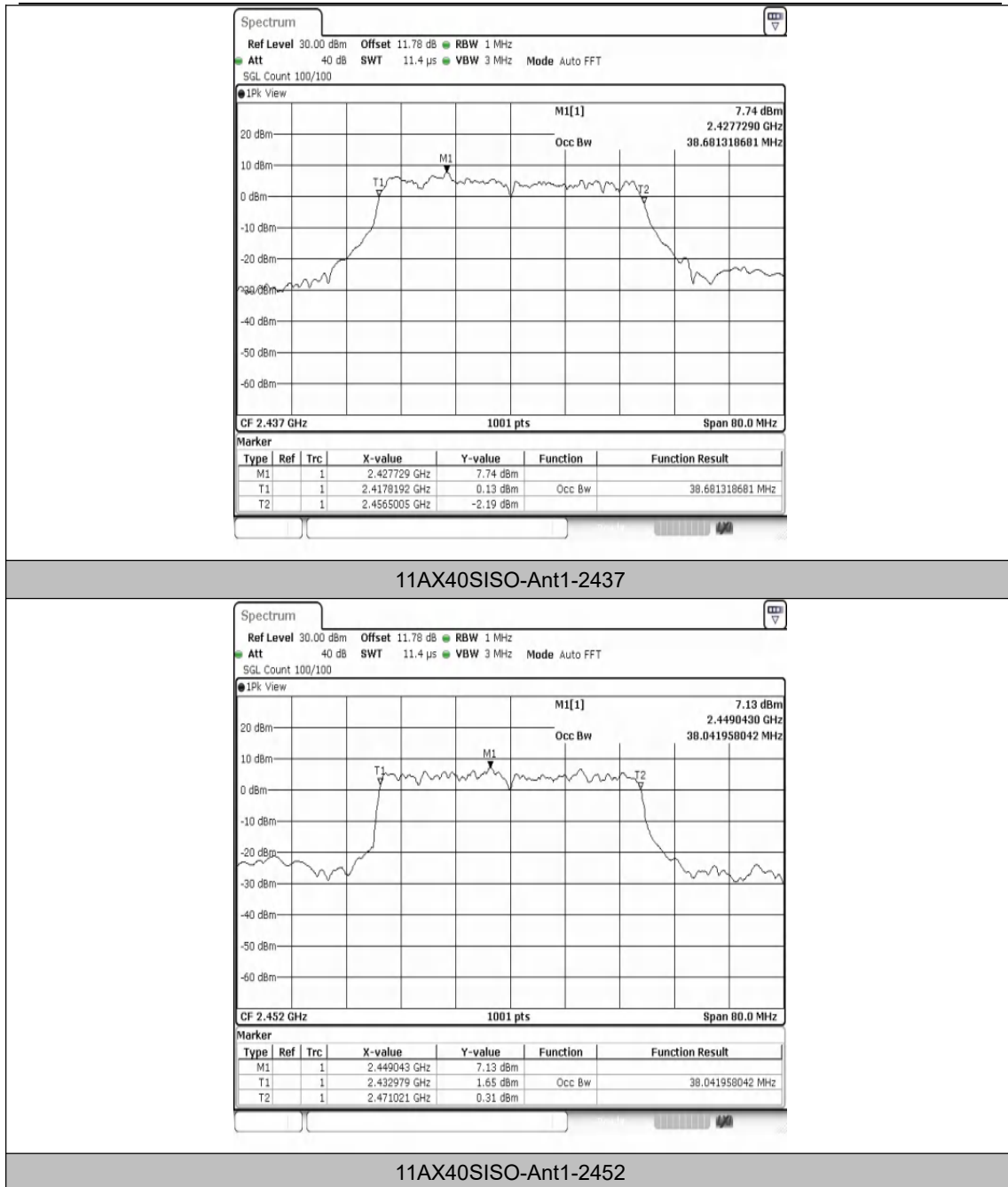


11N40SISO-Ant1-2452









Appendix C: Maximum conducted output power

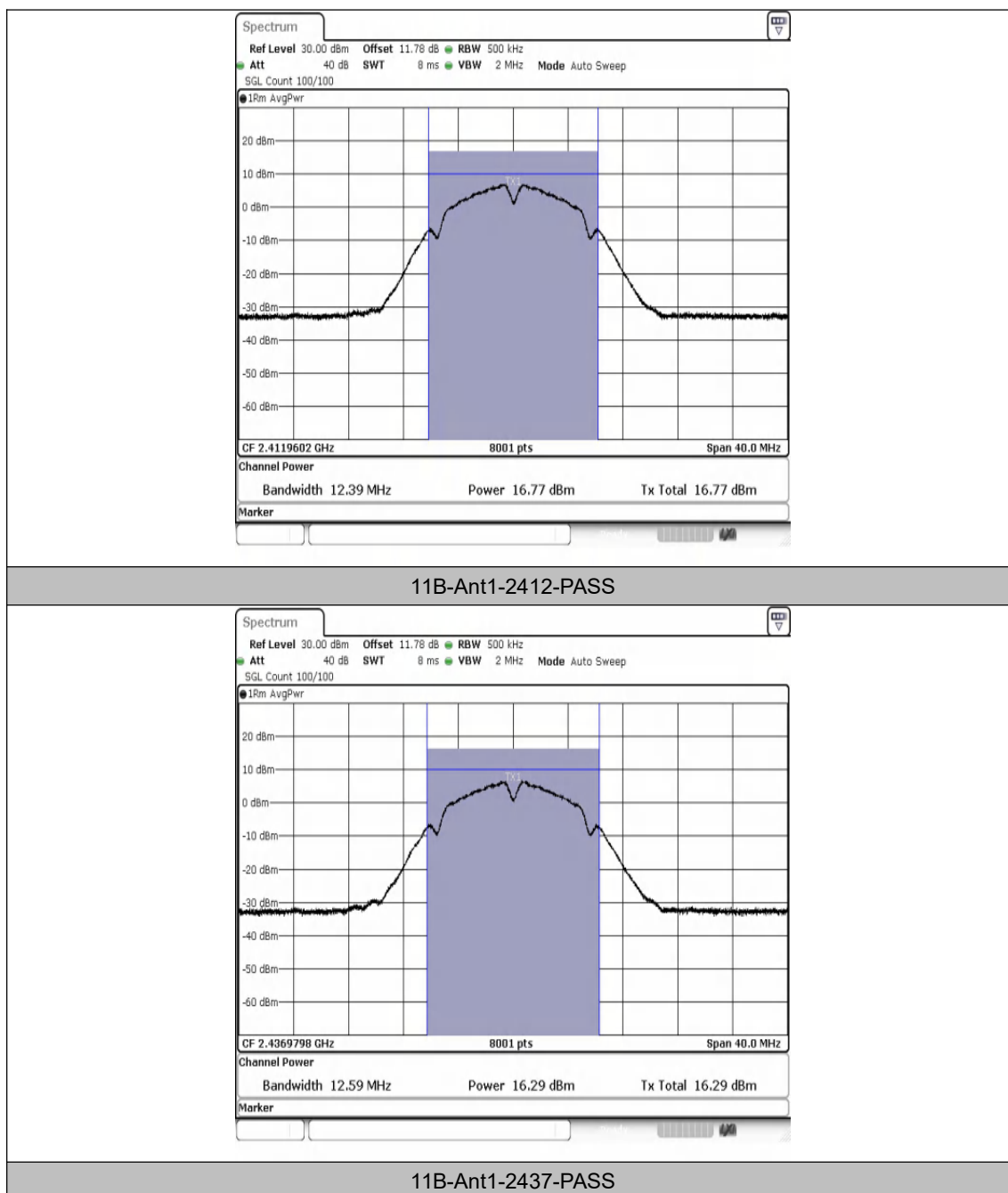
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.77	99.19	0.04	16.81	≤30.00	PASS
11B	Ant1	2437	16.29	98.71	0.06	16.35	≤30.00	PASS
11B	Ant1	2462	16.42	99.35	0.03	16.45	≤30.00	PASS
11G	Ant1	2412	14.00	92.27	0.35	14.35	≤30.00	PASS
11G	Ant1	2437	12.89	95.75	0.19	13.08	≤30.00	PASS
11G	Ant1	2462	12.91	94.44	0.25	13.16	≤30.00	PASS
11N20SISO	Ant1	2412	14.02	90.43	0.44	14.46	≤30.00	PASS
11N20SISO	Ant1	2437	12.97	95.45	0.20	13.17	≤30.00	PASS
11N20SISO	Ant1	2462	13.21	85.14	0.70	13.91	≤30.00	PASS
11N40SISO	Ant1	2422	13.28	88.68	0.52	13.80	≤30.00	PASS
11N40SISO	Ant1	2437	12.72	86.11	0.65	13.37	≤30.00	PASS
11N40SISO	Ant1	2452	12.86	85.45	0.68	13.54	≤30.00	PASS
11AX20SISO	Ant1	2412	13.84	90.68	0.42	14.26	≤30.00	PASS
11AX20SISO	Ant1	2437	12.83	90.12	0.45	13.28	≤30.00	PASS
11AX20SISO	Ant1	2462	13.16	89.02	0.51	13.67	≤30.00	PASS
11AX40SISO	Ant1	2422	13.18	86.05	0.65	13.83	≤30.00	PASS
11AX40SISO	Ant1	2437	12.55	81.52	0.89	13.44	≤30.00	PASS
11AX40SISO	Ant1	2452	12.74	80.65	0.93	13.67	≤30.00	PASS

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



Test Graphs Average



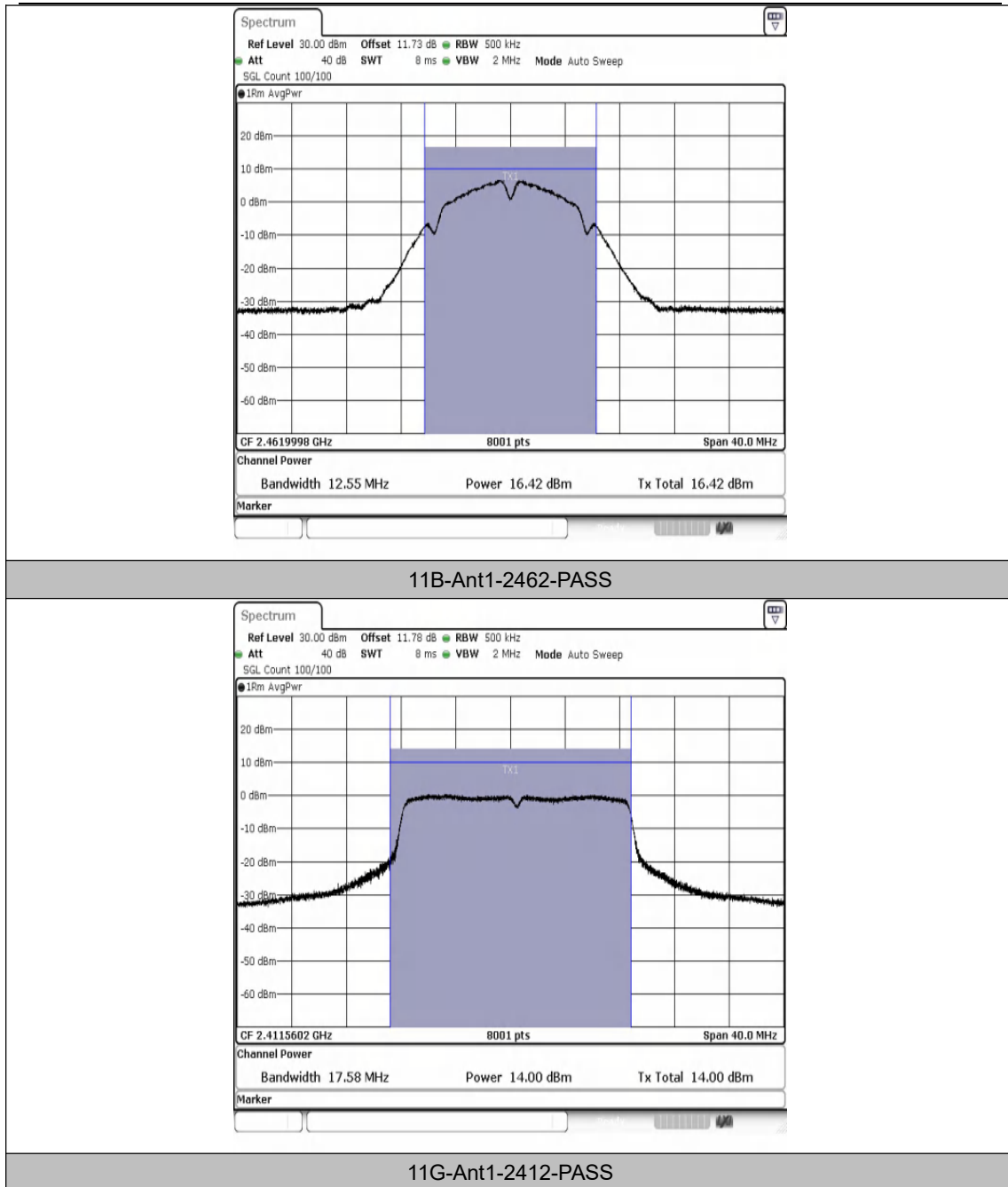
Shenzhen Anbotek Compliance Laboratory Limited

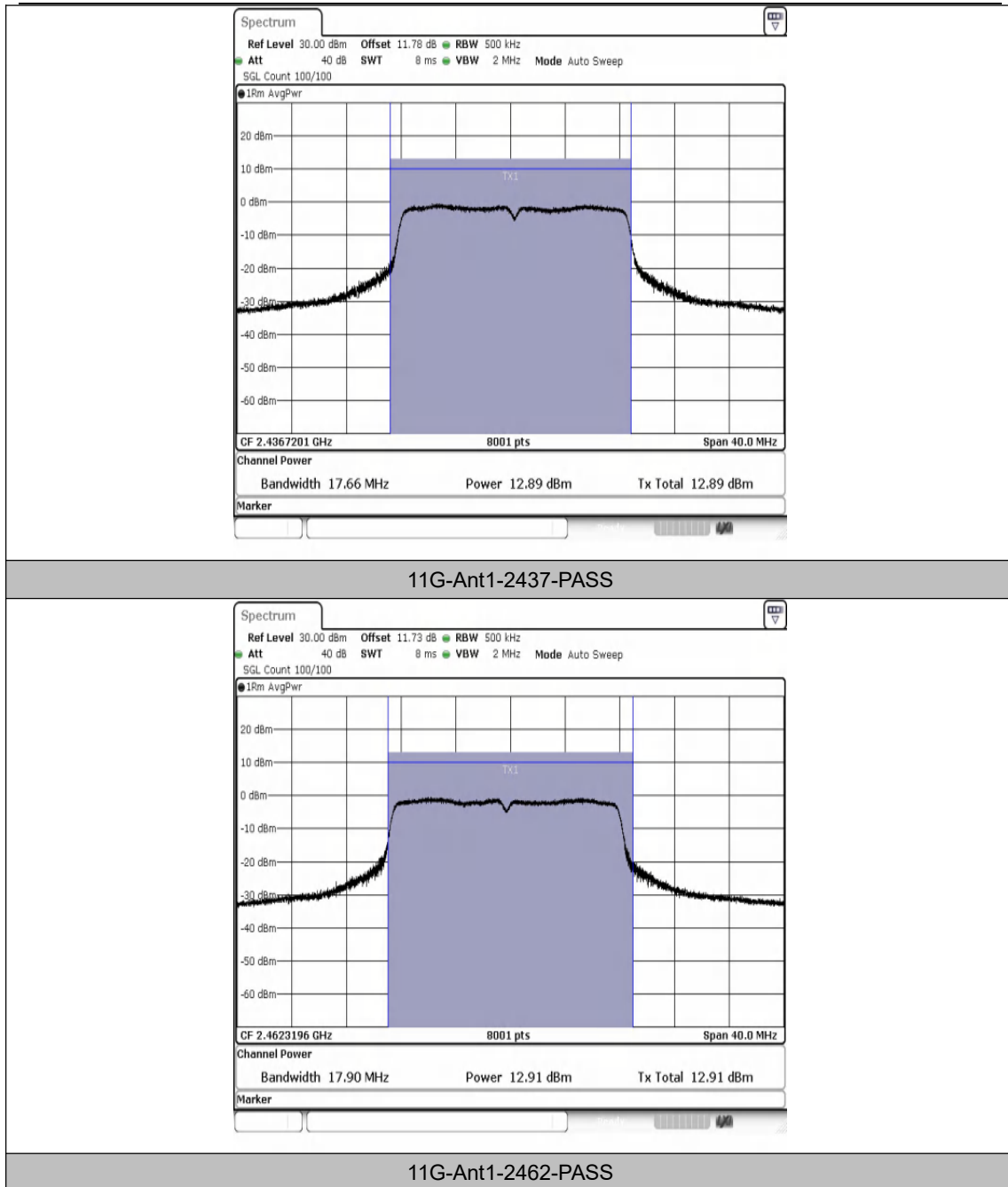
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

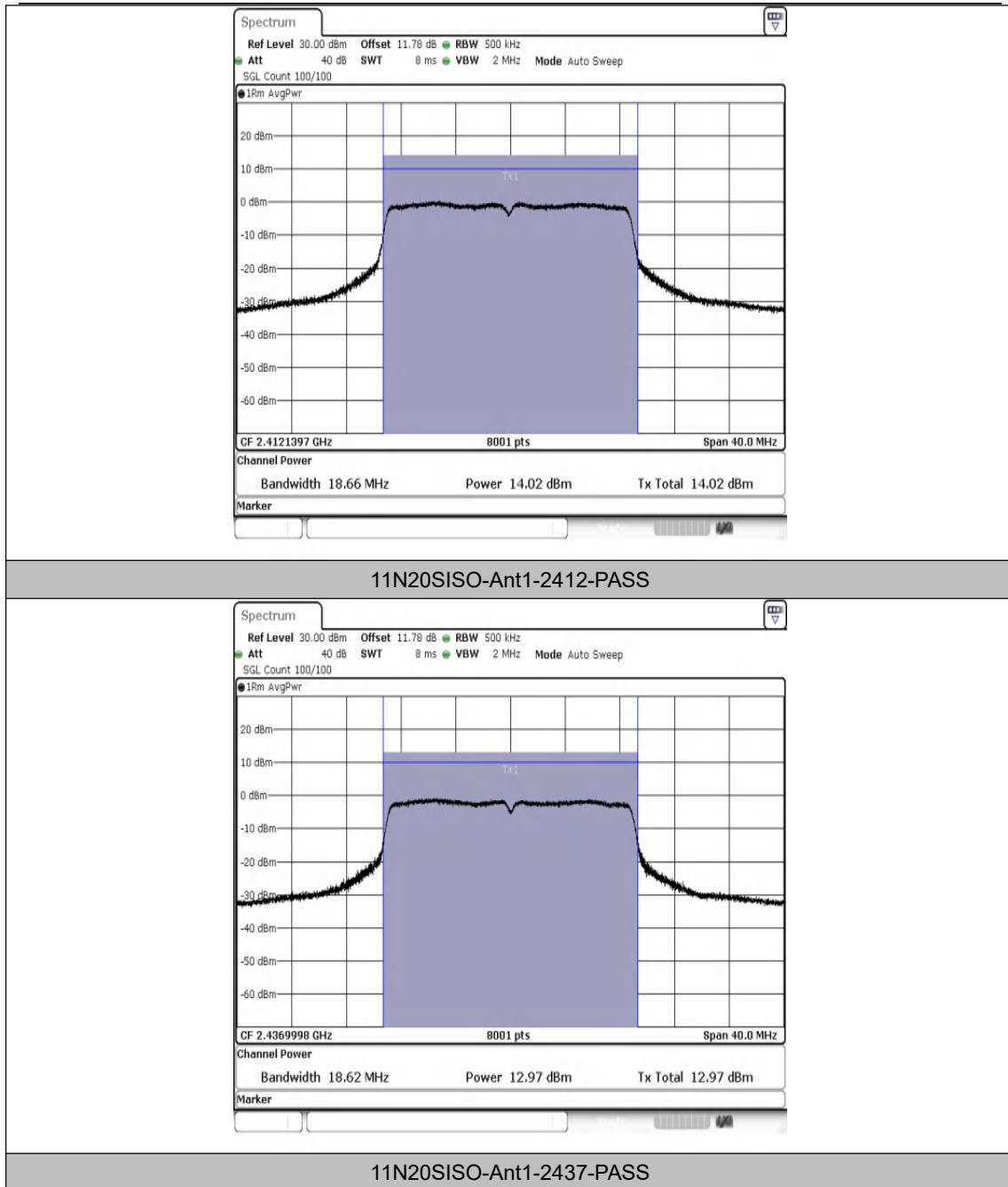


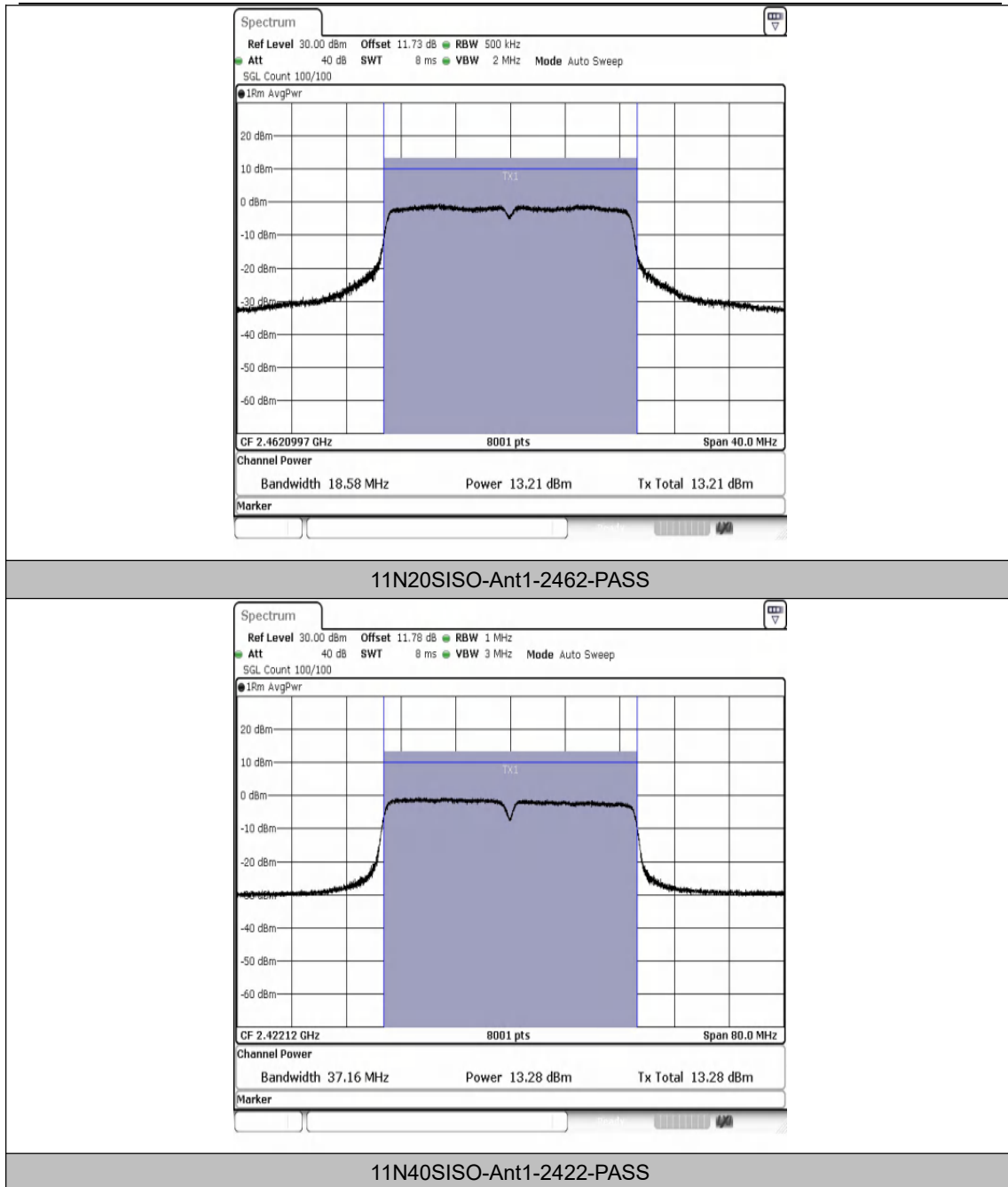
Hotline
400-003-0500
www.anbotek.com











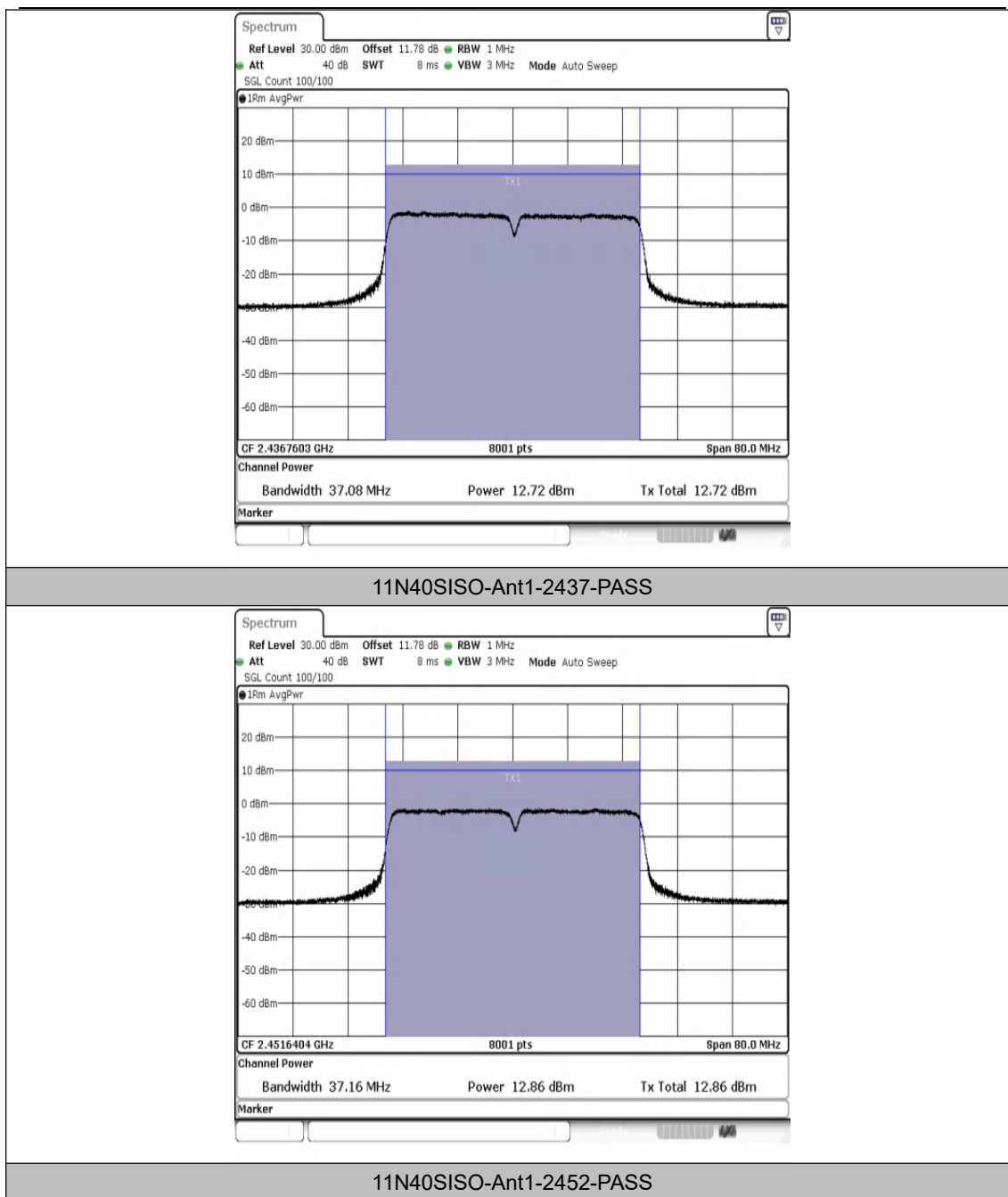
Shenzhen Anbotech Compliance Laboratory Limited

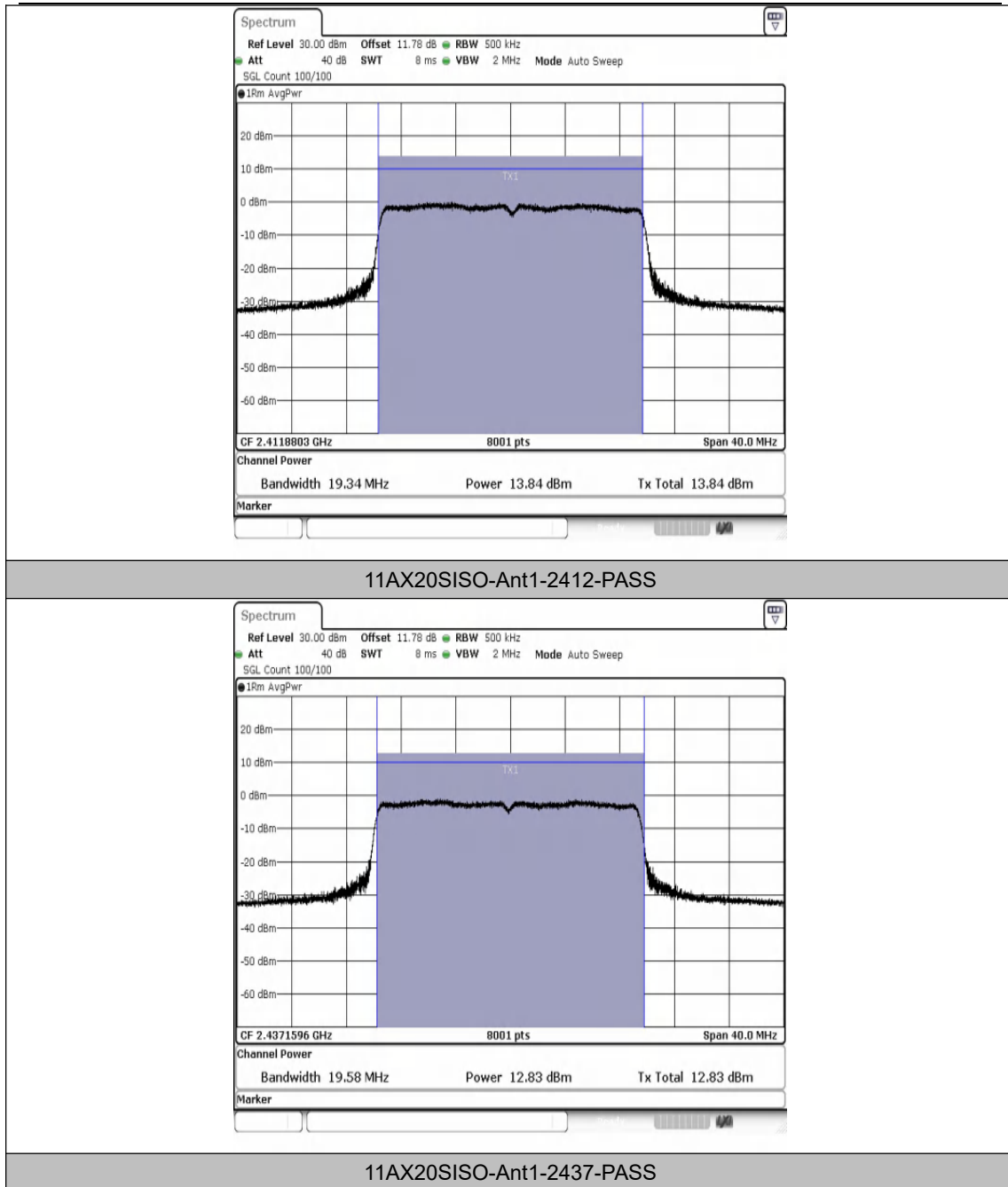
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com

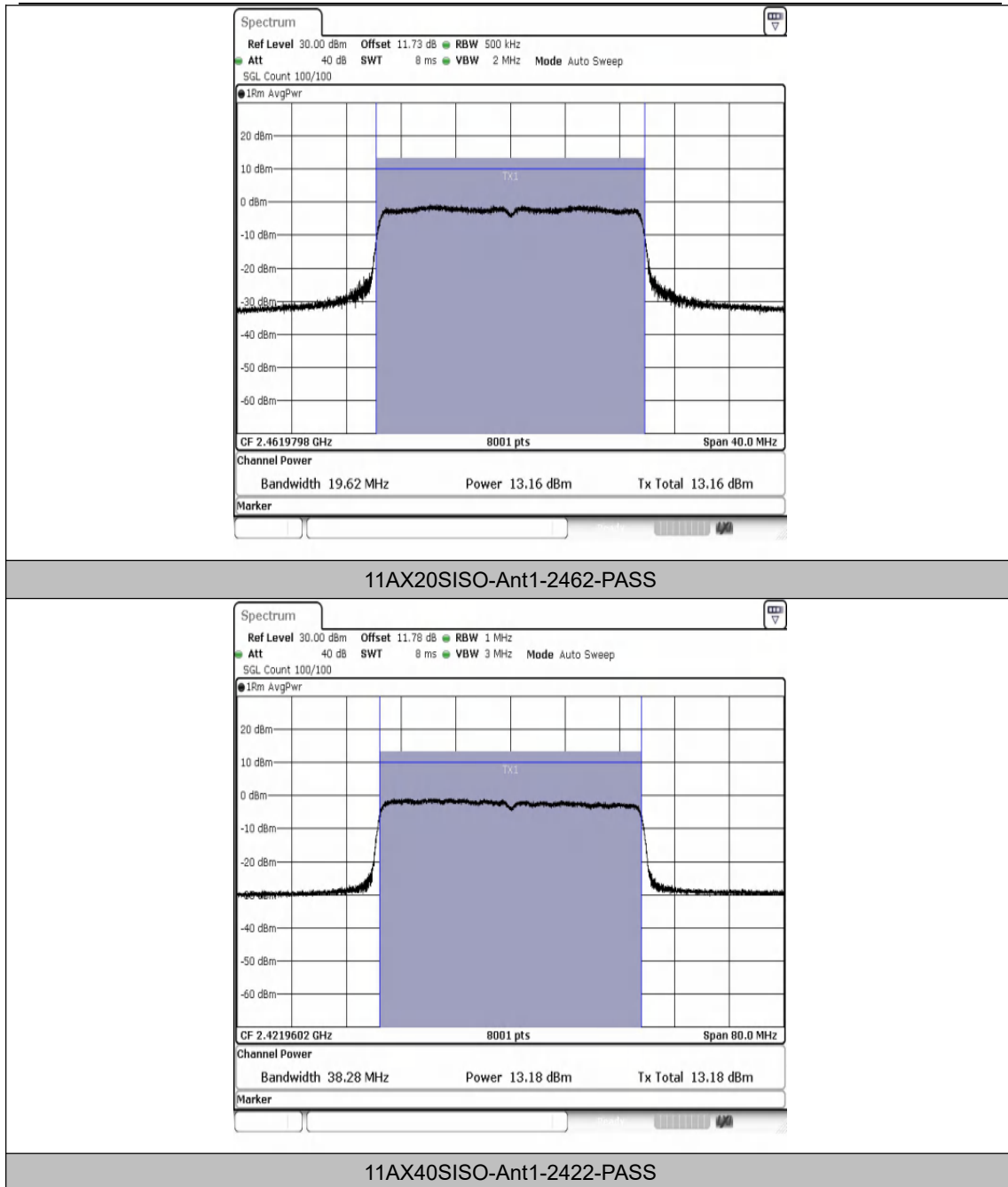


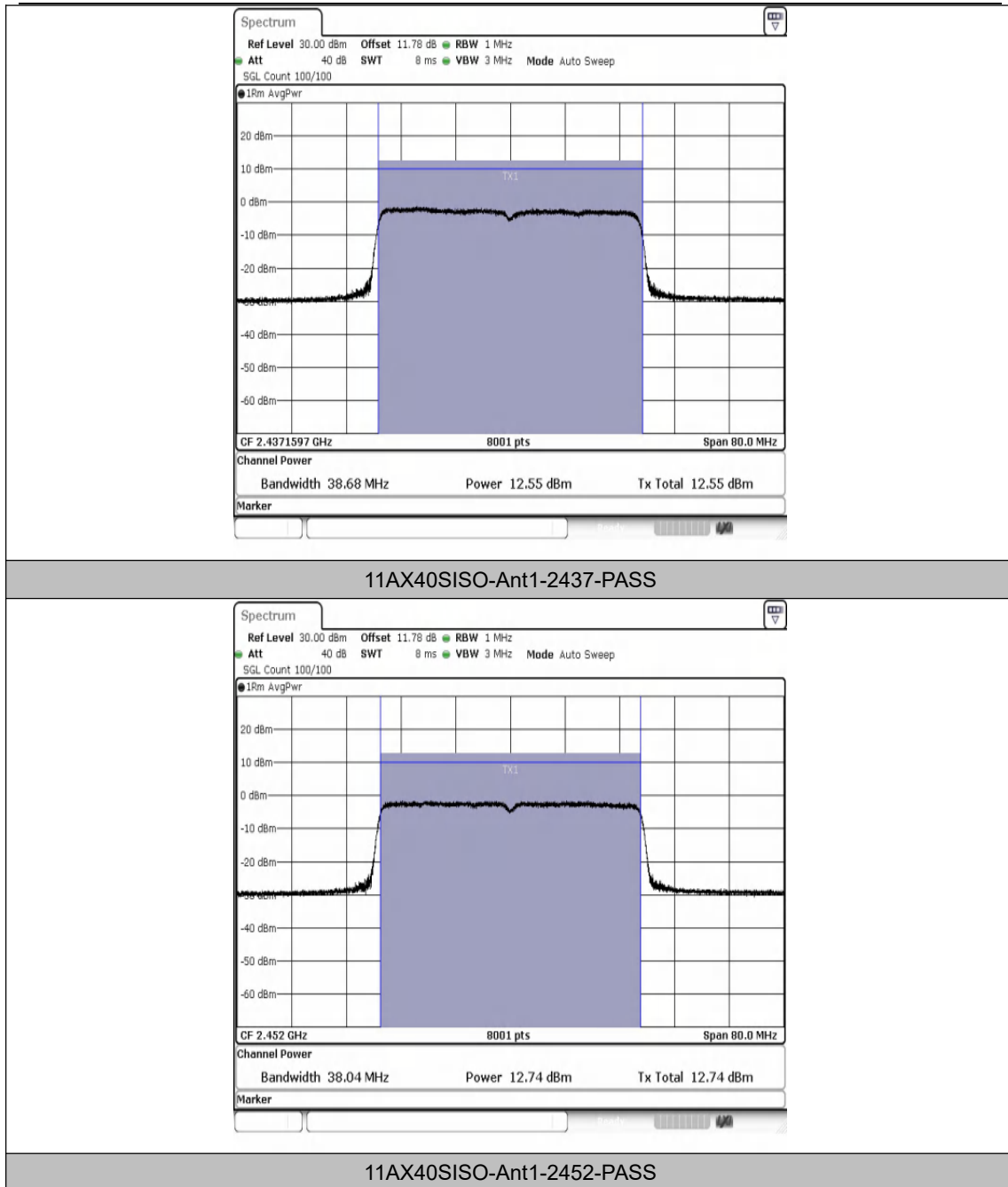
Hotline
400-003-0500
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Appendix D: Maximum power spectral density

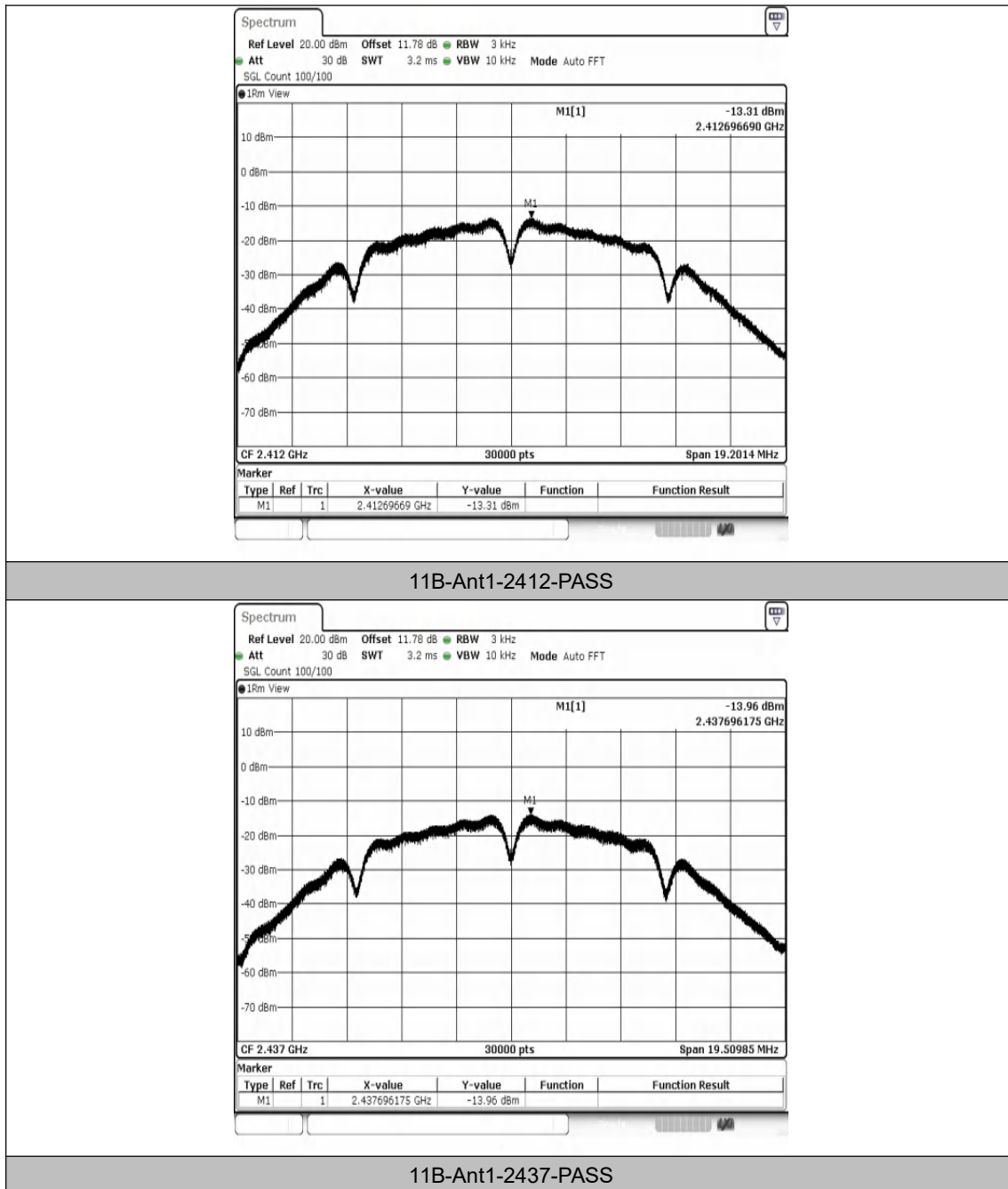
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-13.31	0.04	-13.27	≤8.00	PASS
11B	Ant1	2437	-13.96	0.06	-13.90	≤8.00	PASS
11B	Ant1	2462	-13.71	0.03	-13.68	≤8.00	PASS
11G	Ant1	2412	-18.96	0.35	-18.61	≤8.00	PASS
11G	Ant1	2437	-20.46	0.19	-20.27	≤8.00	PASS
11G	Ant1	2462	-20.06	0.25	-19.81	≤8.00	PASS
11N20SISO	Ant1	2412	-18.6	0.44	-18.16	≤8.00	PASS
11N20SISO	Ant1	2437	-19.48	0.20	-19.28	≤8.00	PASS
11N20SISO	Ant1	2462	-19.37	0.70	-18.67	≤8.00	PASS
11N40SISO	Ant1	2422	-21.68	0.52	-21.16	≤8.00	PASS
11N40SISO	Ant1	2437	-22.4	0.65	-21.75	≤8.00	PASS
11N40SISO	Ant1	2452	-22.12	0.68	-21.44	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.18	0.42	-18.76	≤8.00	PASS
11AX20SISO	Ant1	2437	-20.56	0.45	-20.11	≤8.00	PASS
11AX20SISO	Ant1	2462	-19.94	0.51	-19.43	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.76	0.65	-21.11	≤8.00	PASS
11AX40SISO	Ant1	2437	-21.93	0.89	-21.04	≤8.00	PASS
11AX40SISO	Ant1	2452	-21.7	0.93	-20.77	≤8.00	PASS

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



Test Graphs

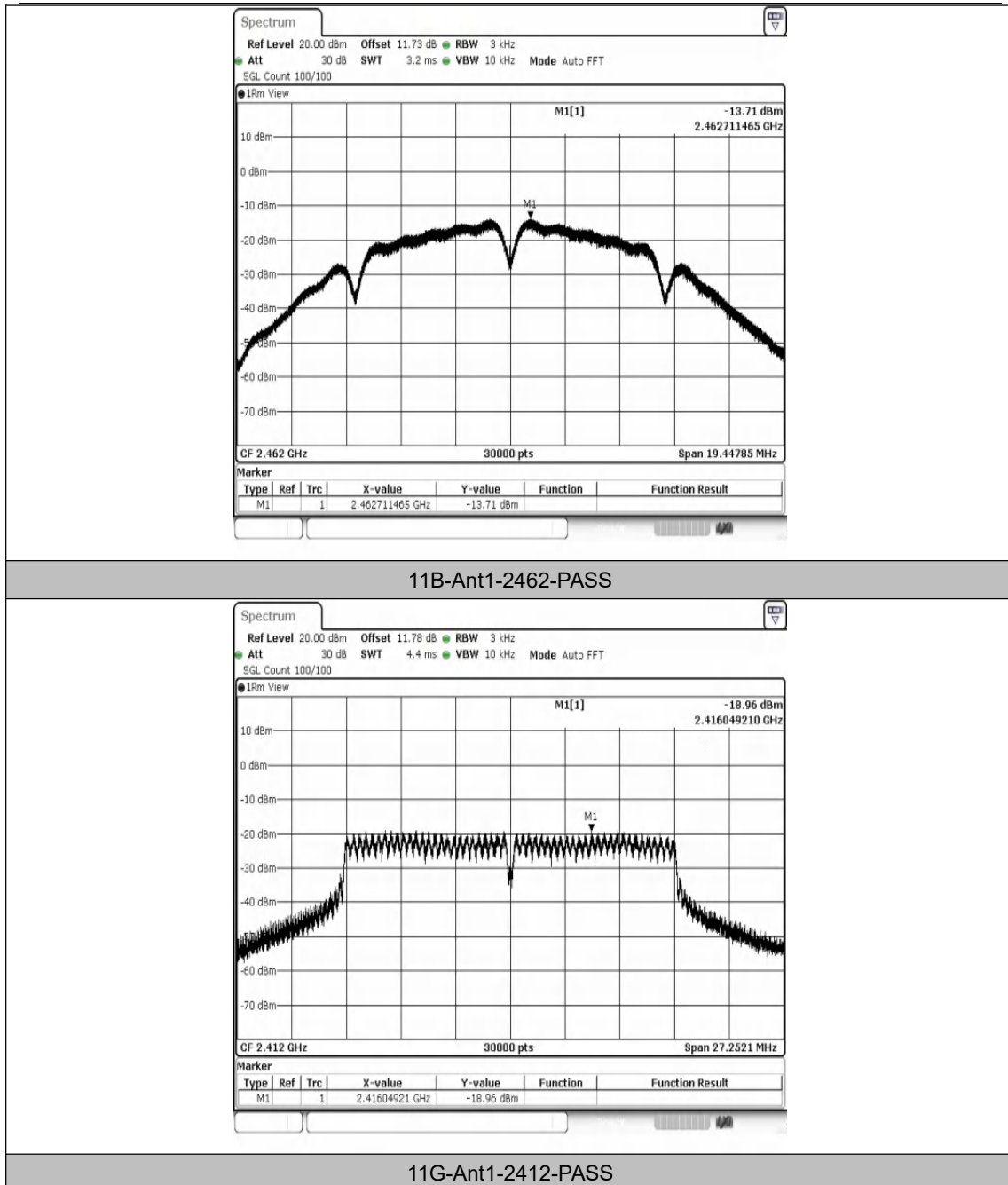


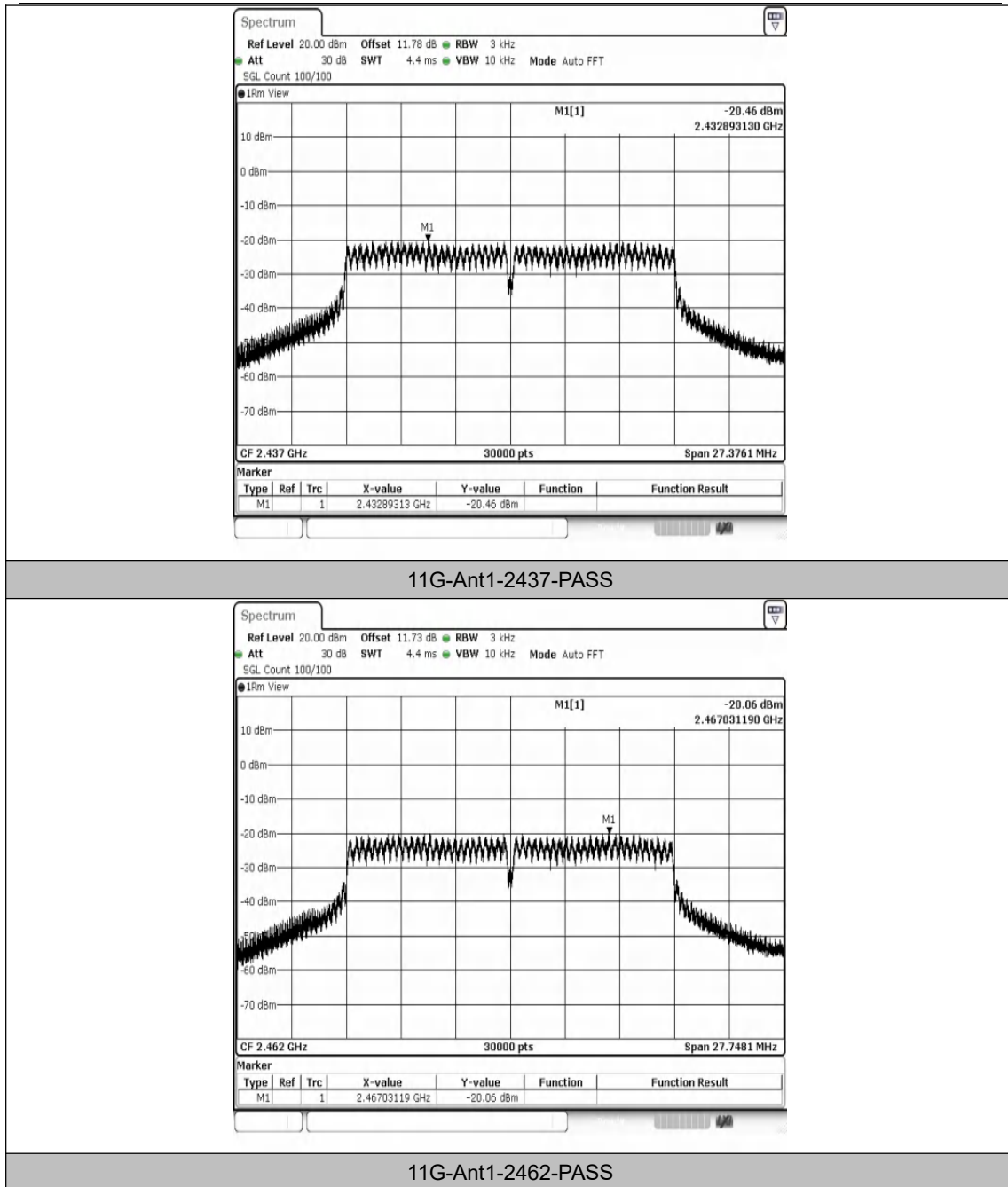
Shenzhen Anbotek Compliance Laboratory Limited

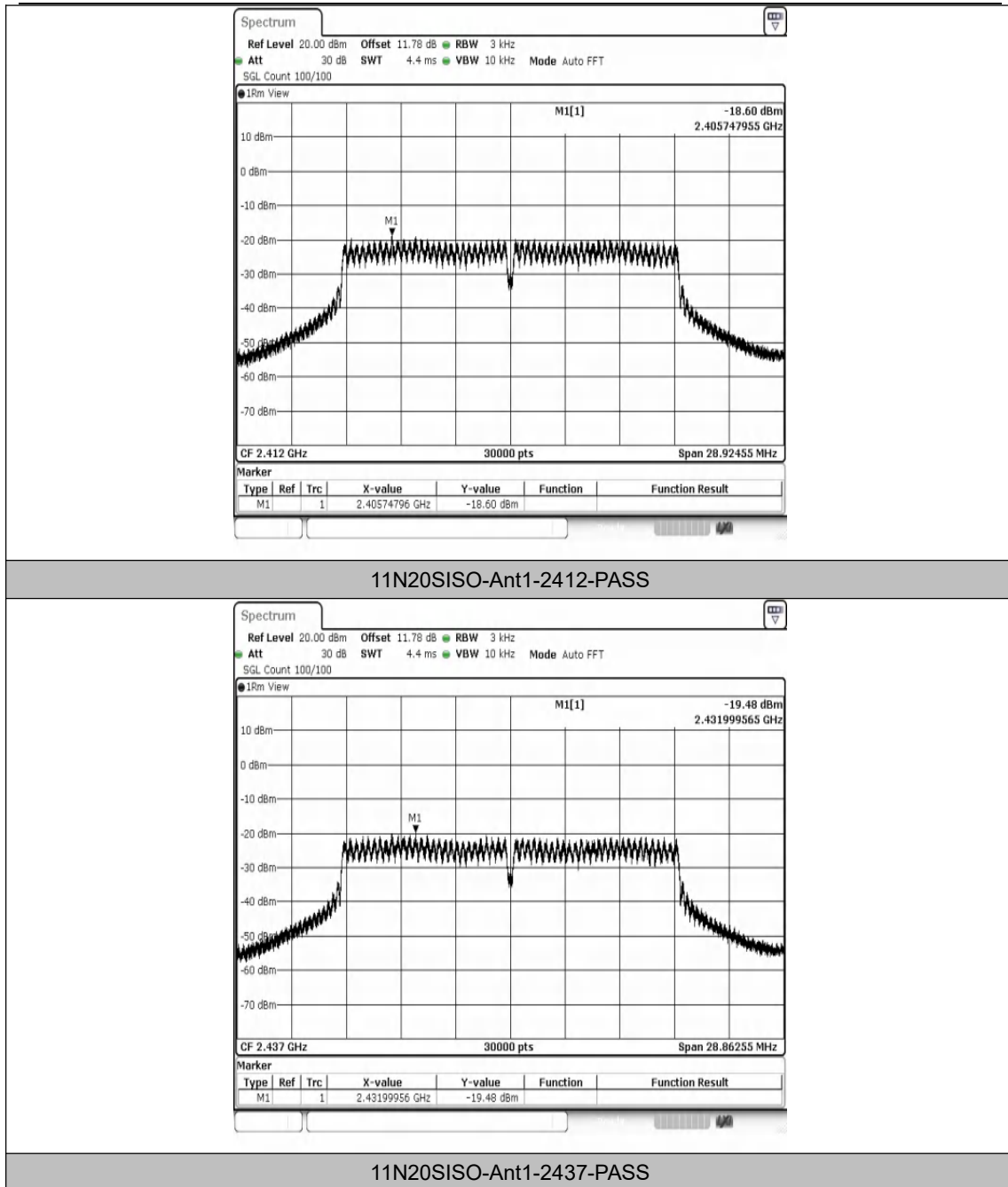
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

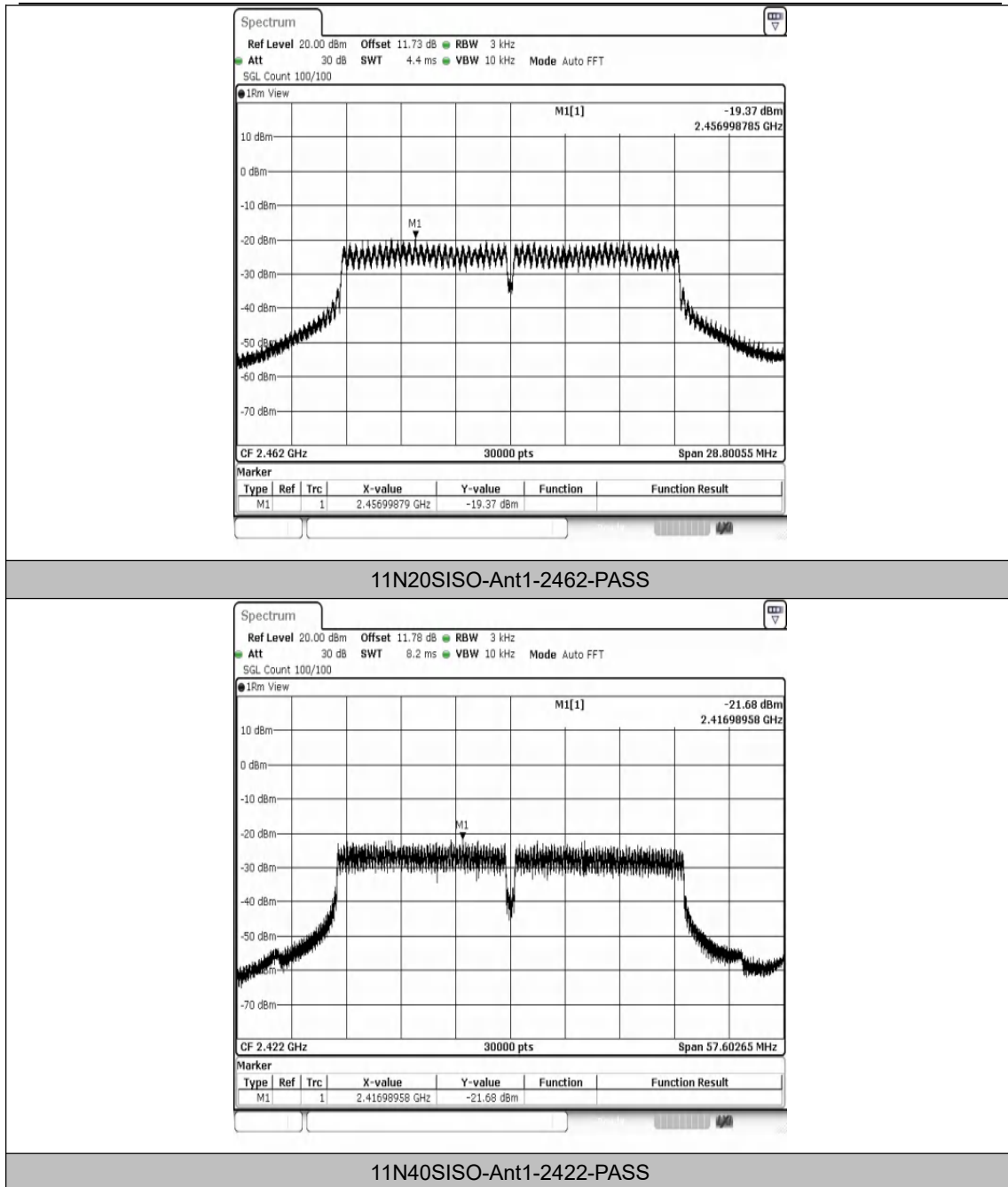
Hotline
400-003-0500
www.anbotek.com

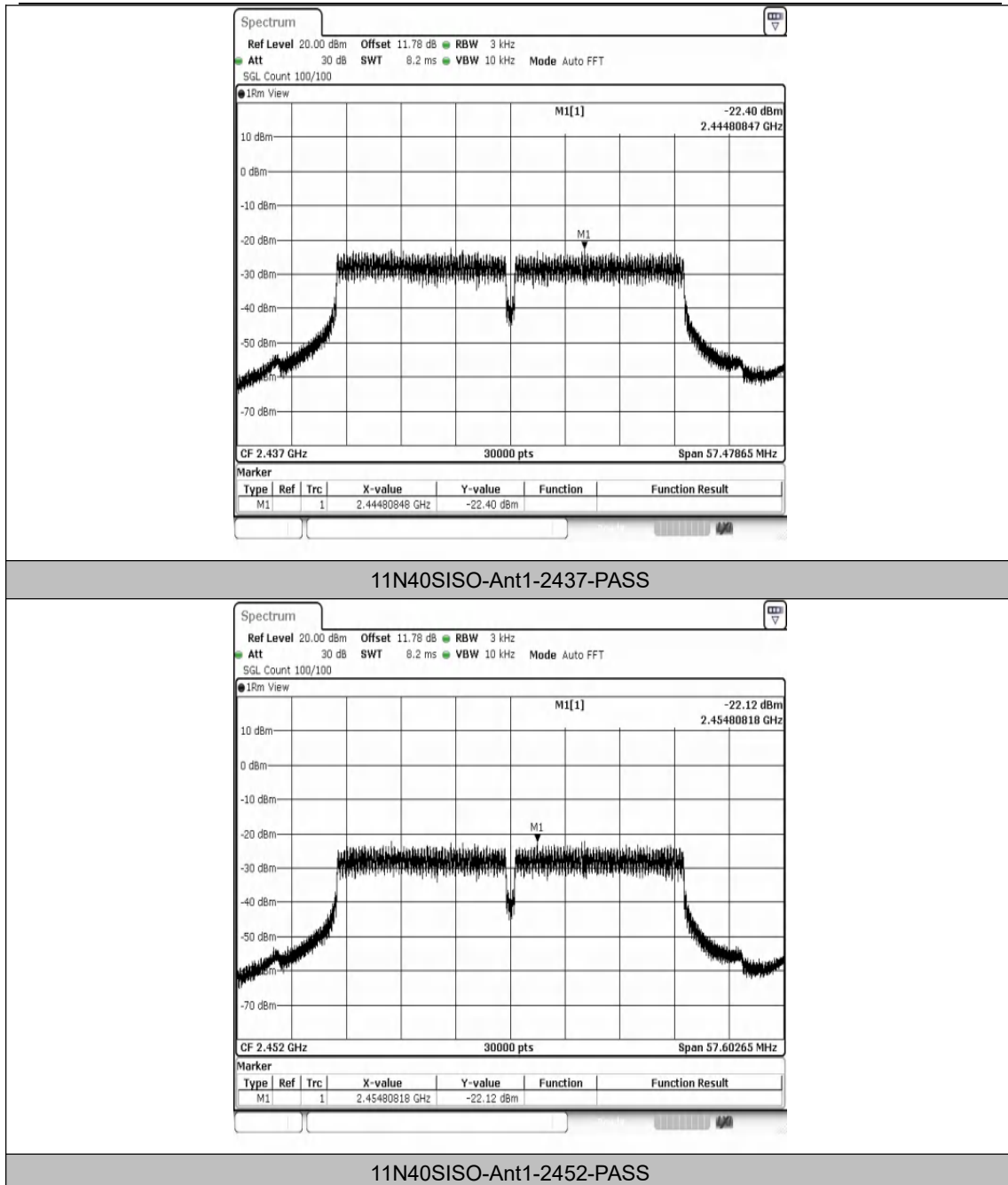


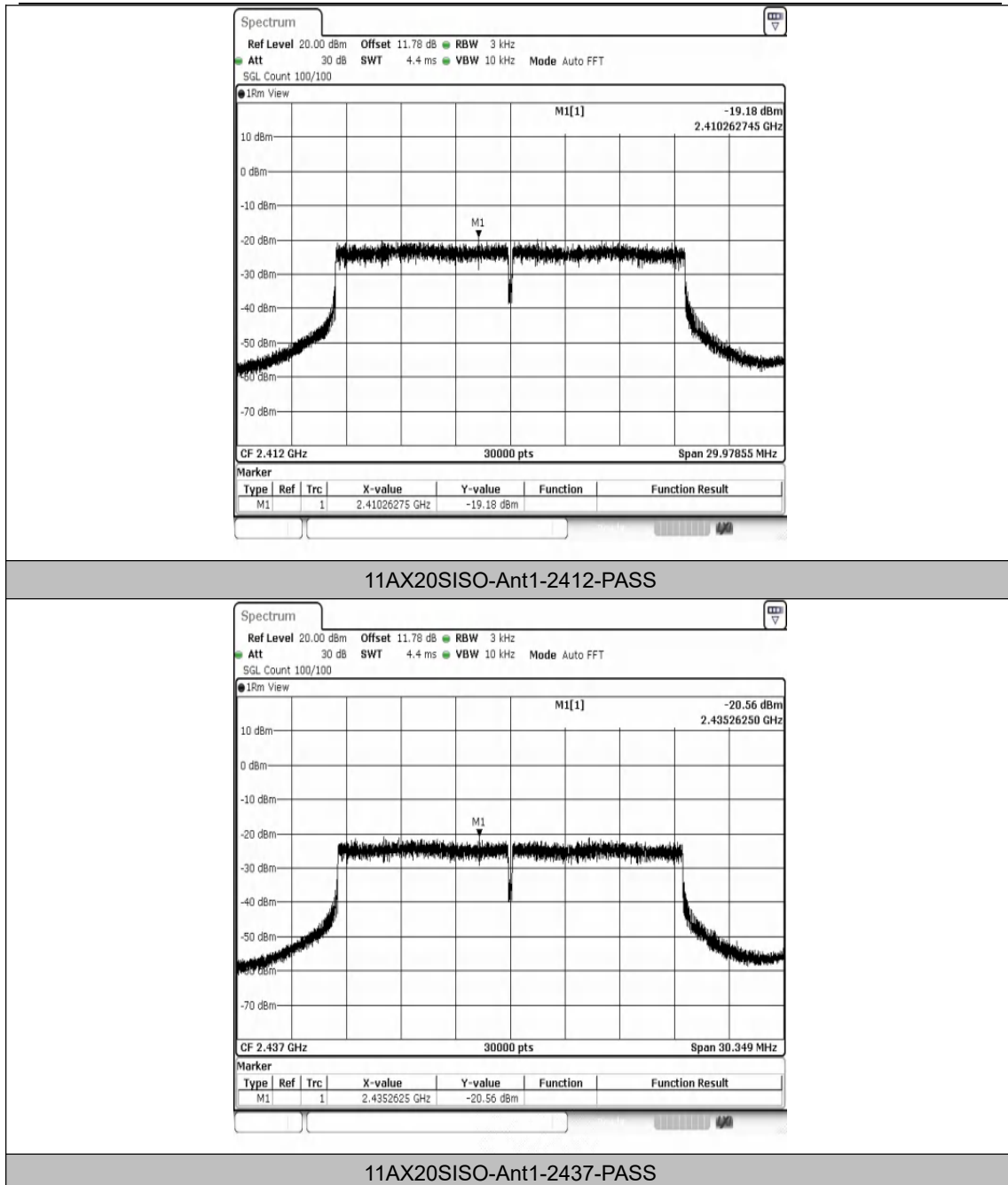


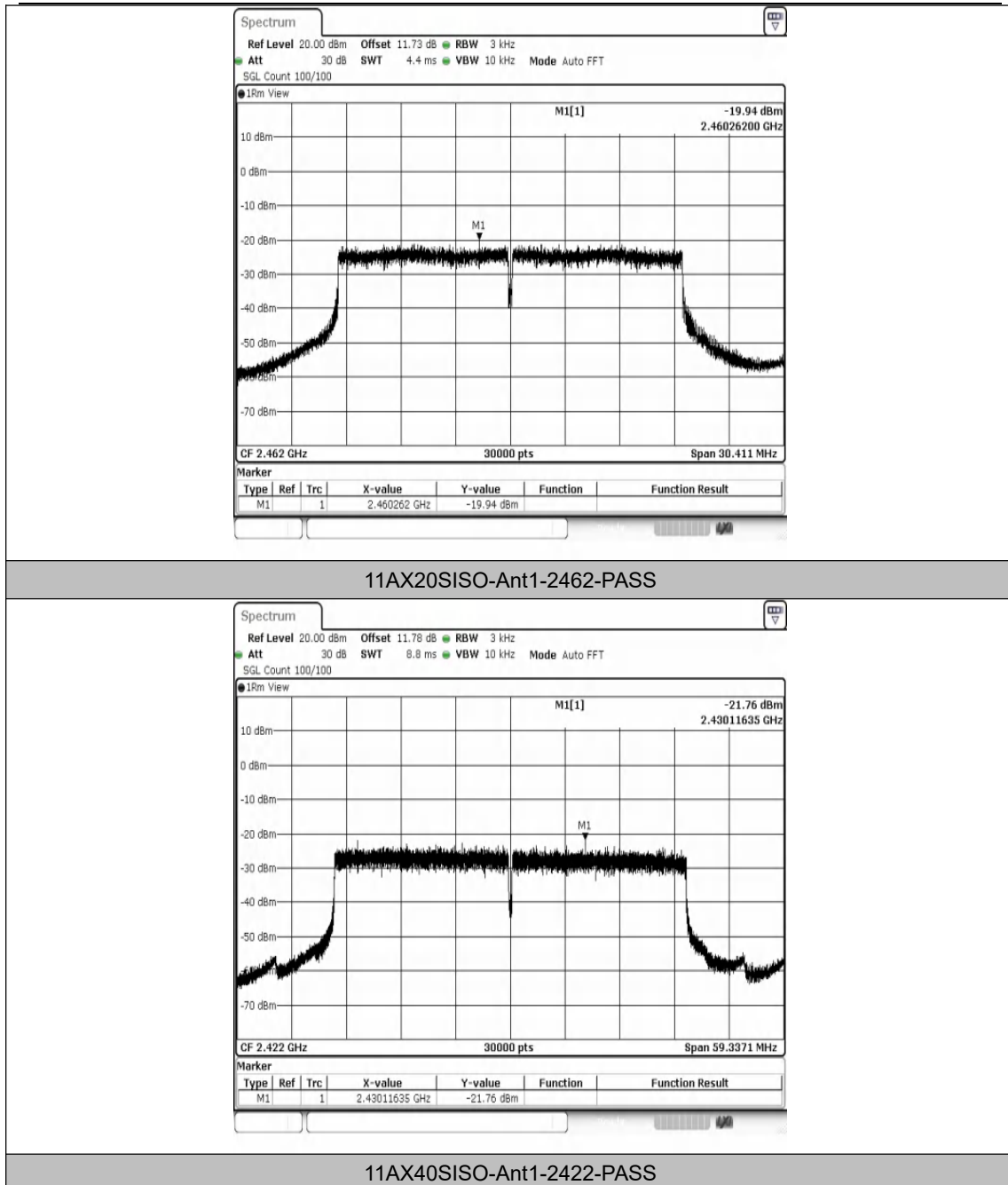


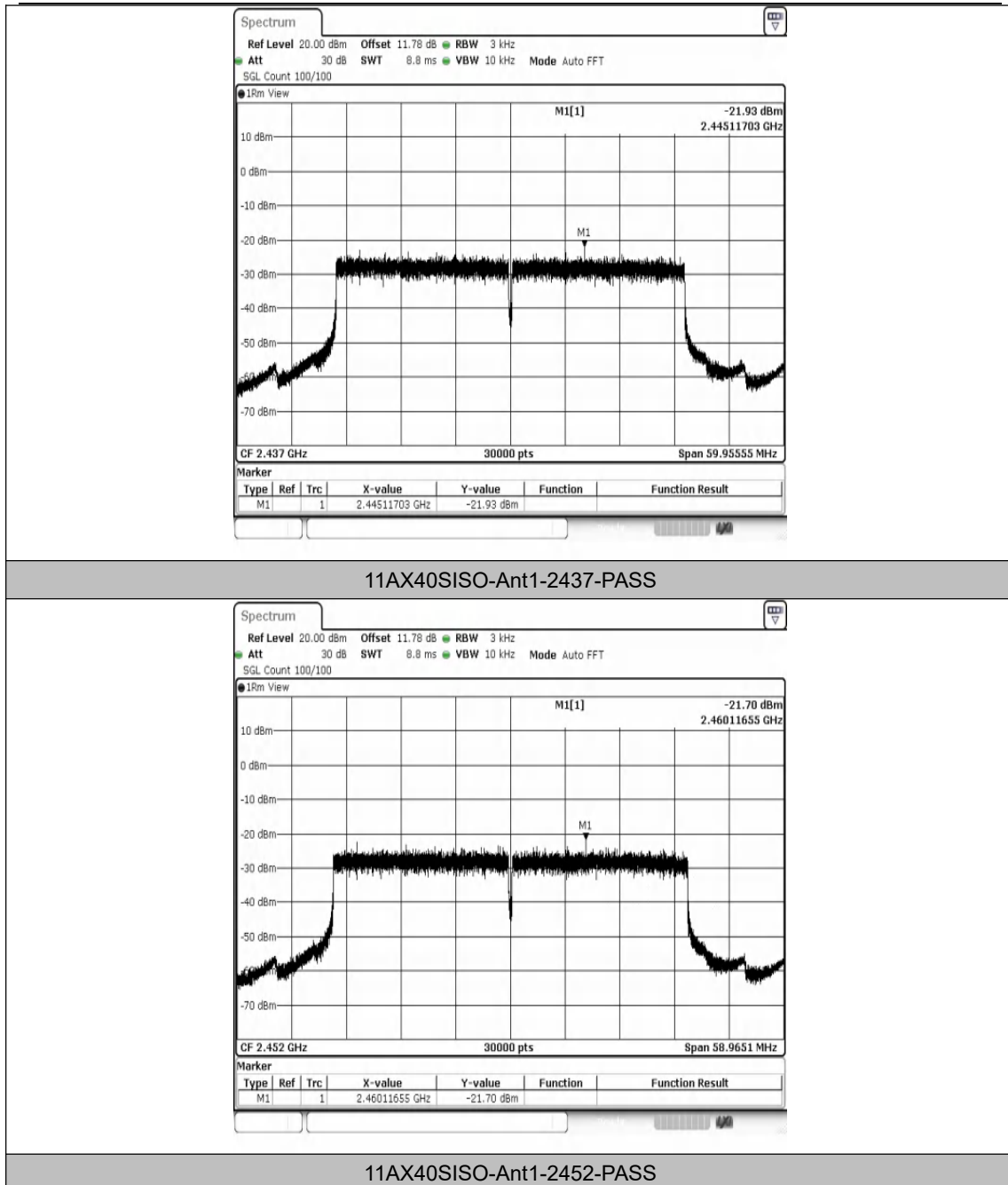












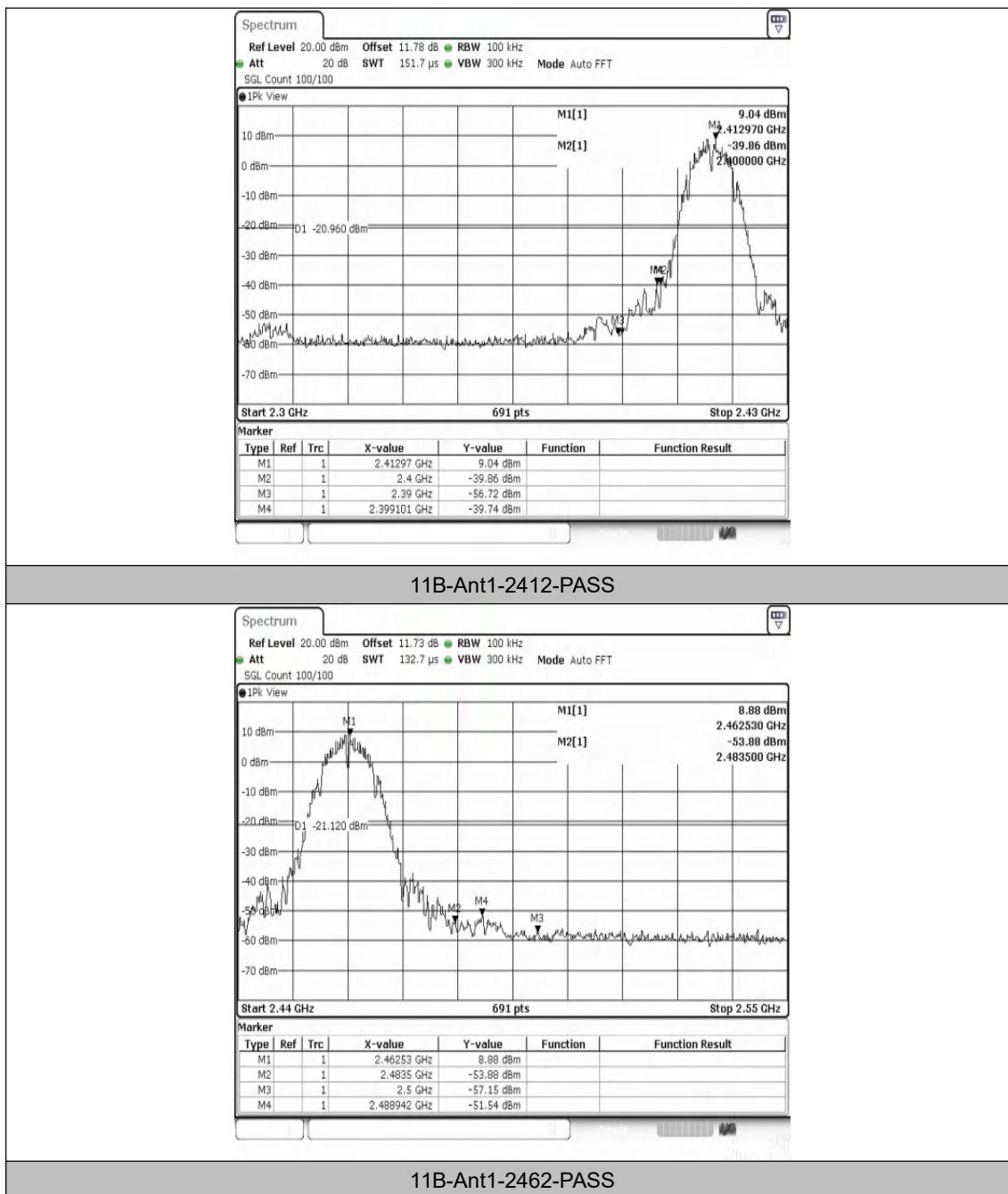
Appendix E: Conducted Band edge

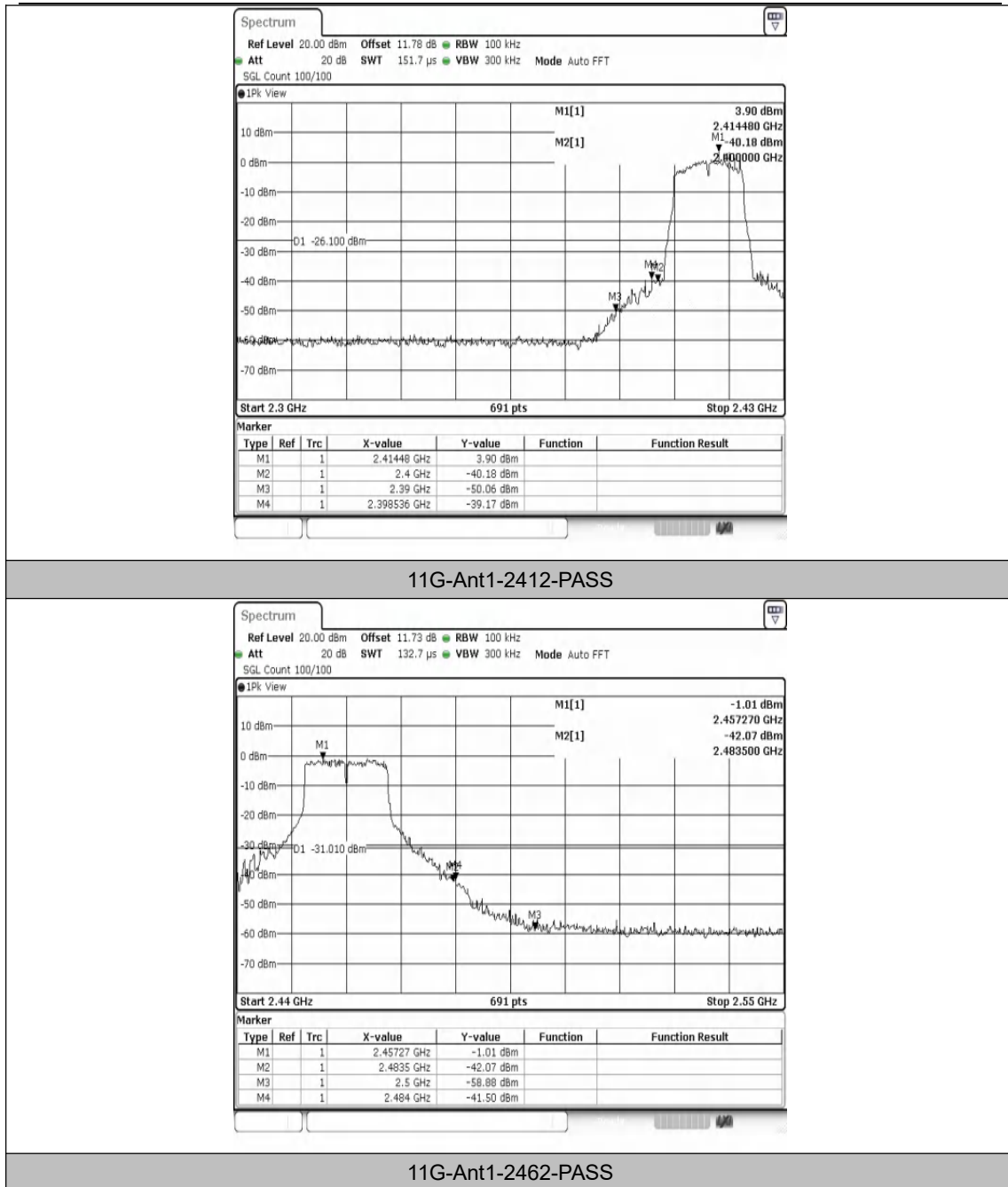
Test Result

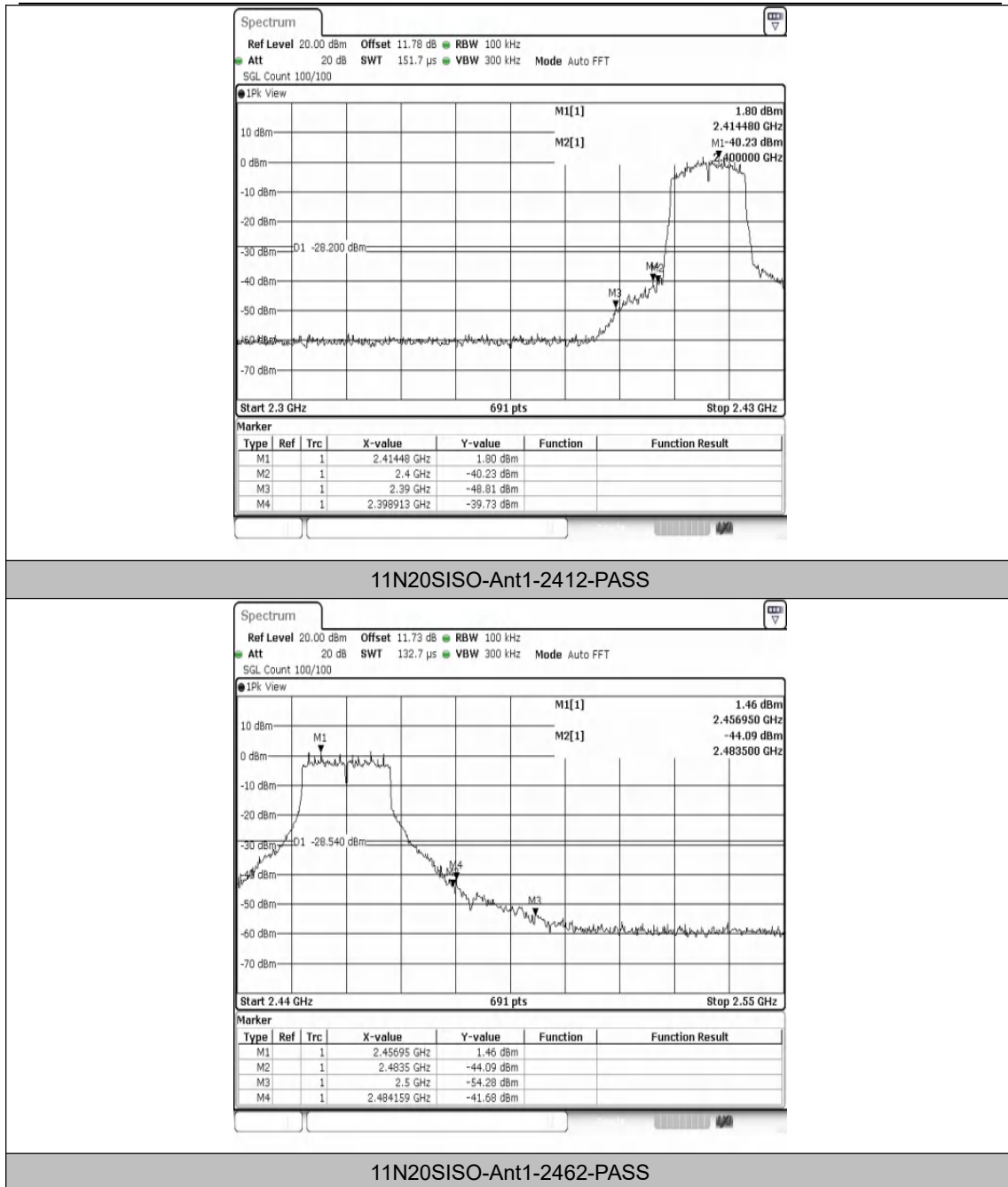
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.04	-39.74	≤-20.96	PASS
11B	Ant1	High	2462	8.88	-51.54	≤-21.12	PASS
11G	Ant1	Low	2412	3.90	-39.17	≤-26.1	PASS
11G	Ant1	High	2462	-1.01	-41.5	≤-31.01	PASS
11N20SISO	Ant1	Low	2412	1.80	-39.73	≤-28.2	PASS
11N20SISO	Ant1	High	2462	1.46	-41.68	≤-28.54	PASS
11N40SISO	Ant1	Low	2422	-0.96	-40.17	≤-30.96	PASS
11N40SISO	Ant1	High	2452	-2.65	-38.71	≤-32.65	PASS
11AX20SISO	Ant1	Low	2412	0.39	-39.6	≤-29.61	PASS
11AX20SISO	Ant1	High	2462	1.17	-41.07	≤-28.83	PASS
11AX40SISO	Ant1	Low	2422	-1.53	-43.83	≤-31.53	PASS
11AX40SISO	Ant1	High	2452	-1.23	-37.1	≤-31.23	PASS

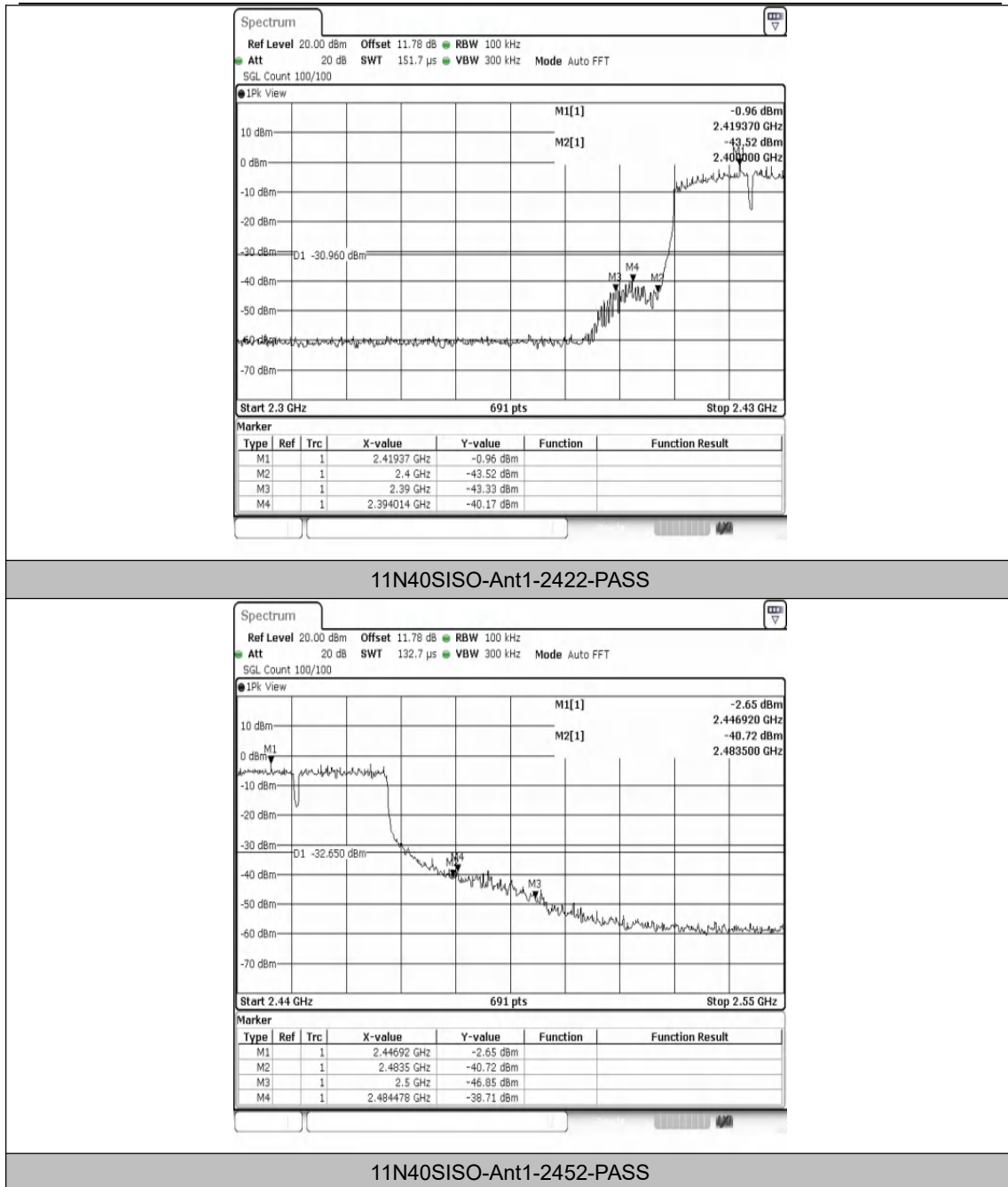


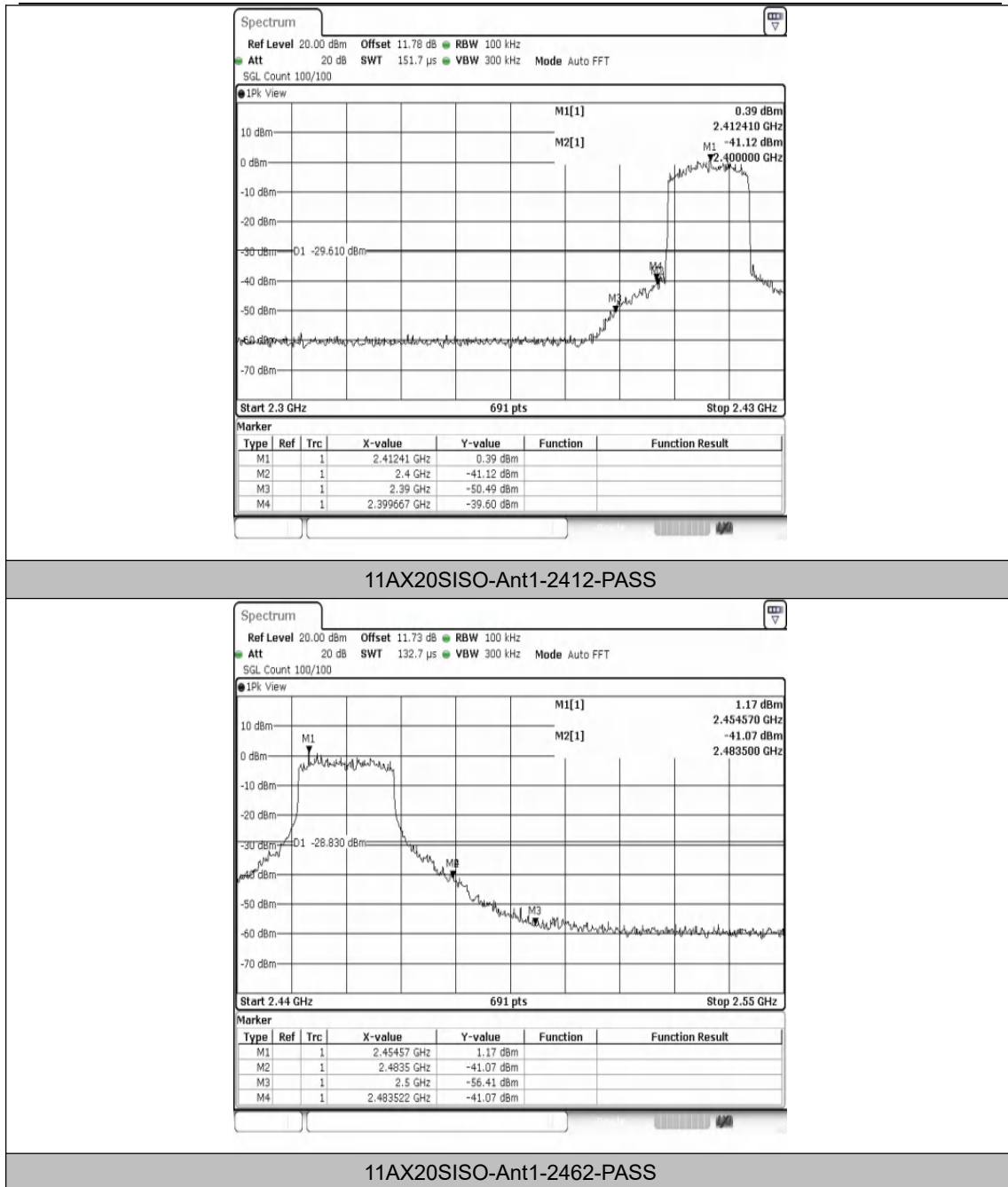
Test Graphs

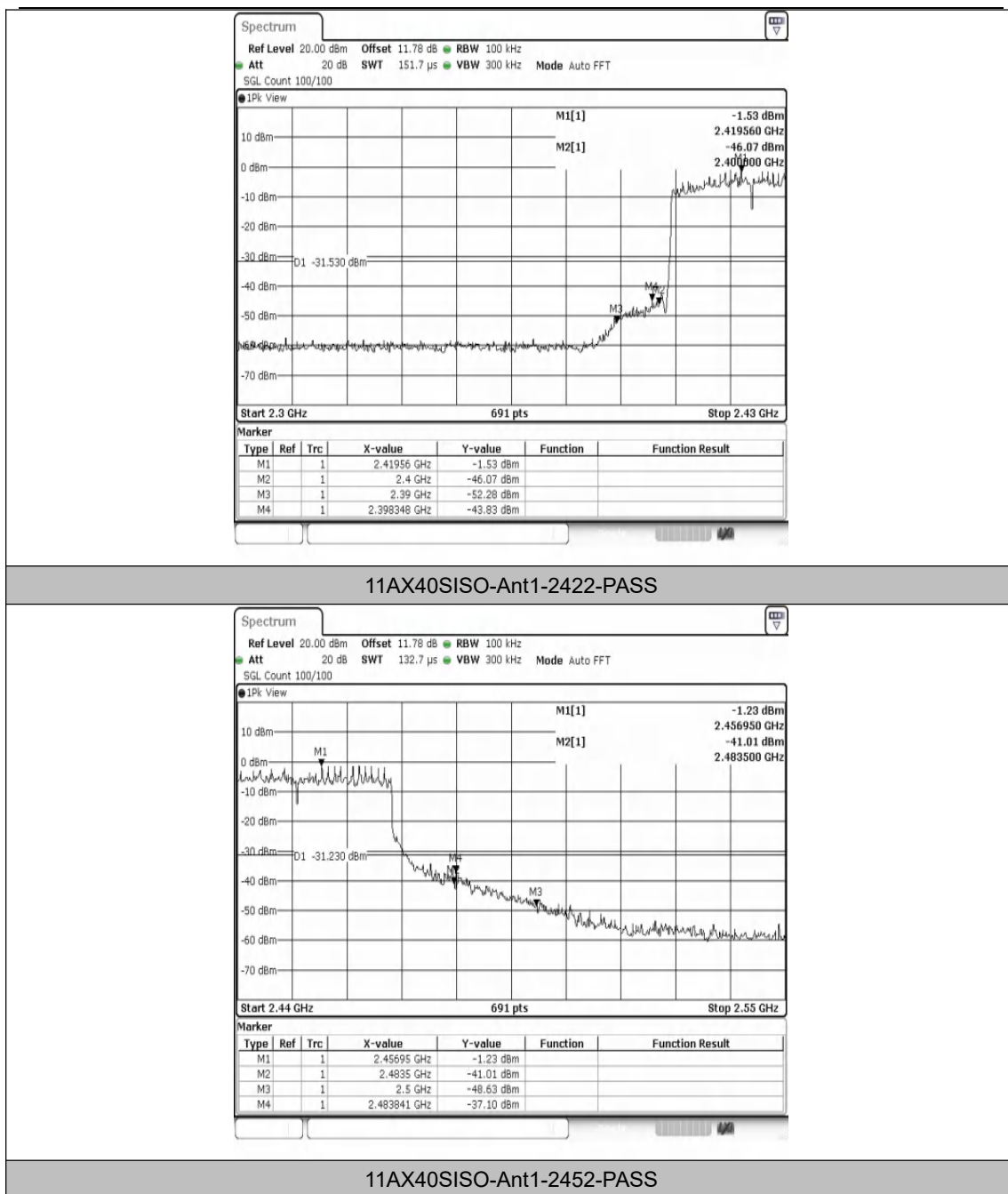












Appendix F: Conducted Spurious Emission

Test Result

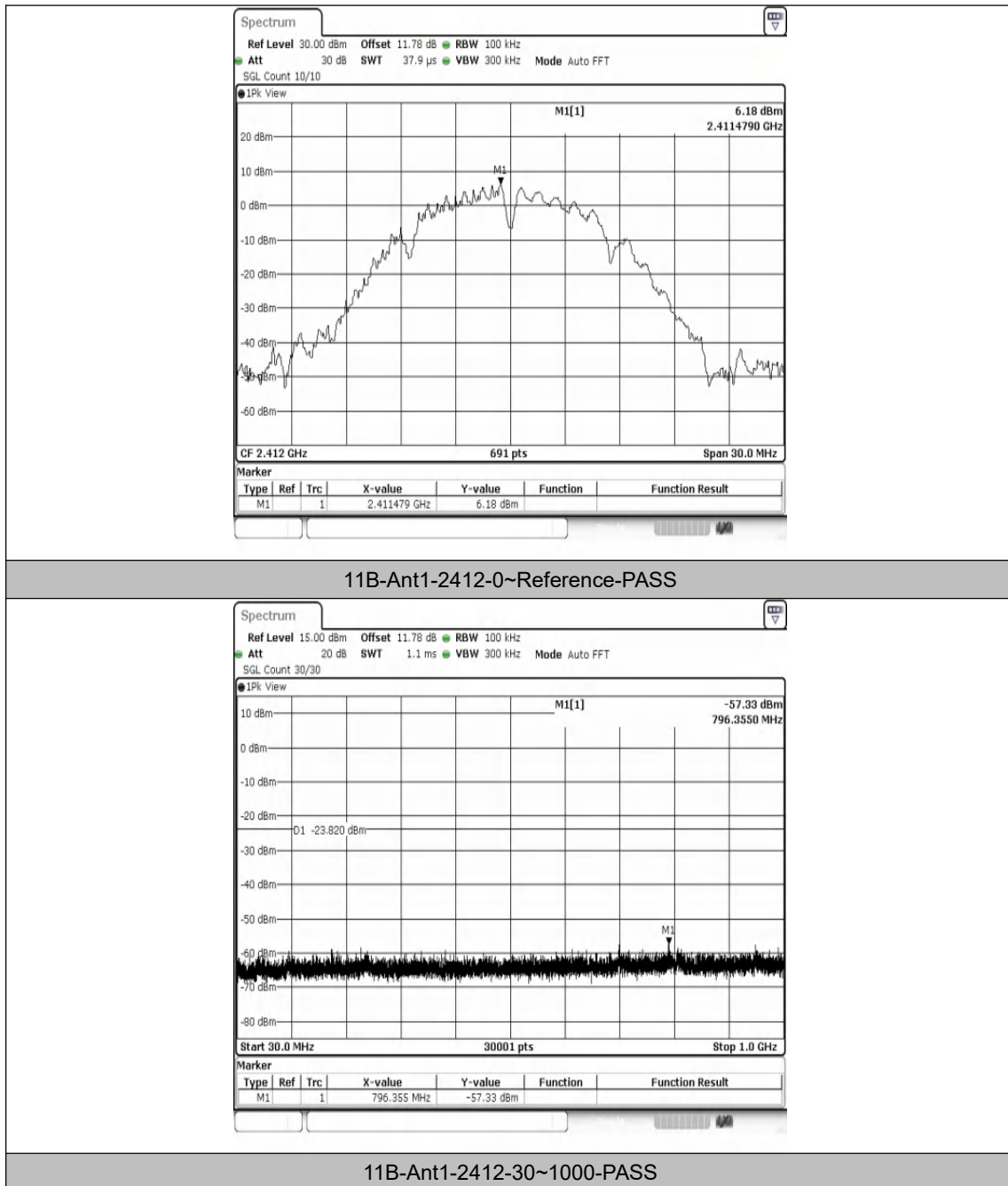
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.18	6.18	---	PASS
11B	Ant1	2412	30~1000	6.18	-57.33	≤-23.82	PASS
11B	Ant1	2412	1000~26500	6.18	-43.93	≤-23.82	PASS
11B	Ant1	2437	0~Reference	5.42	5.42	---	PASS
11B	Ant1	2437	30~1000	5.42	-58.31	≤-24.58	PASS
11B	Ant1	2437	1000~26500	5.42	-43.74	≤-24.58	PASS
11B	Ant1	2462	0~Reference	5.87	5.87	---	PASS
11B	Ant1	2462	30~1000	5.87	-57.94	≤-24.13	PASS
11B	Ant1	2462	1000~26500	5.87	-44.12	≤-24.13	PASS
11G	Ant1	2412	0~Reference	-0.85	-0.85	---	PASS
11G	Ant1	2412	30~1000	-0.85	-57.97	≤-30.85	PASS
11G	Ant1	2412	1000~26500	-0.85	-43.2	≤-30.85	PASS
11G	Ant1	2437	0~Reference	-1.18	-1.18	---	PASS
11G	Ant1	2437	30~1000	-1.18	-58.01	≤-31.18	PASS
11G	Ant1	2437	1000~26500	-1.18	-43.53	≤-31.18	PASS
11G	Ant1	2462	0~Reference	-1.14	-1.14	---	PASS
11G	Ant1	2462	30~1000	-1.14	-58.3	≤-31.14	PASS
11G	Ant1	2462	1000~26500	-1.14	-44.27	≤-31.14	PASS
11N20SISO	Ant1	2412	0~Reference	-1.02	-1.02	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.02	-57.91	≤-31.02	PASS
11N20SISO	Ant1	2412	1000~26500	-1.02	-44.01	≤-31.02	PASS
11N20SISO	Ant1	2437	0~Reference	-1.83	-1.83	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.83	-57.71	≤-31.83	PASS
11N20SISO	Ant1	2437	1000~26500	-1.83	-43.77	≤-31.83	PASS
11N20SISO	Ant1	2462	0~Reference	-1.74	-1.74	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.74	-57.58	≤-31.74	PASS
11N20SISO	Ant1	2462	1000~26500	-1.74	-44.41	≤-31.74	PASS
11N40SISO	Ant1	2422	0~Reference	-3.35	-3.35	---	PASS
11N40SISO	Ant1	2422	30~1000	-3.35	-57.91	≤-33.35	PASS
11N40SISO	Ant1	2422	1000~26500	-3.35	-43.36	≤-33.35	PASS
11N40SISO	Ant1	2437	0~Reference	-4.74	-4.74	---	PASS
11N40SISO	Ant1	2437	30~1000	-4.74	-57.68	≤-34.74	PASS
11N40SISO	Ant1	2437	1000~26500	-4.74	-44.08	≤-34.74	PASS
11N40SISO	Ant1	2452	0~Reference	-4.80	-4.80	---	PASS
11N40SISO	Ant1	2452	30~1000	-4.80	-57.12	≤-34.8	PASS
11N40SISO	Ant1	2452	1000~26500	-4.80	-44.21	≤-34.8	PASS
11AX20SISO	Ant1	2412	0~Reference	-1.29	-1.29	---	PASS

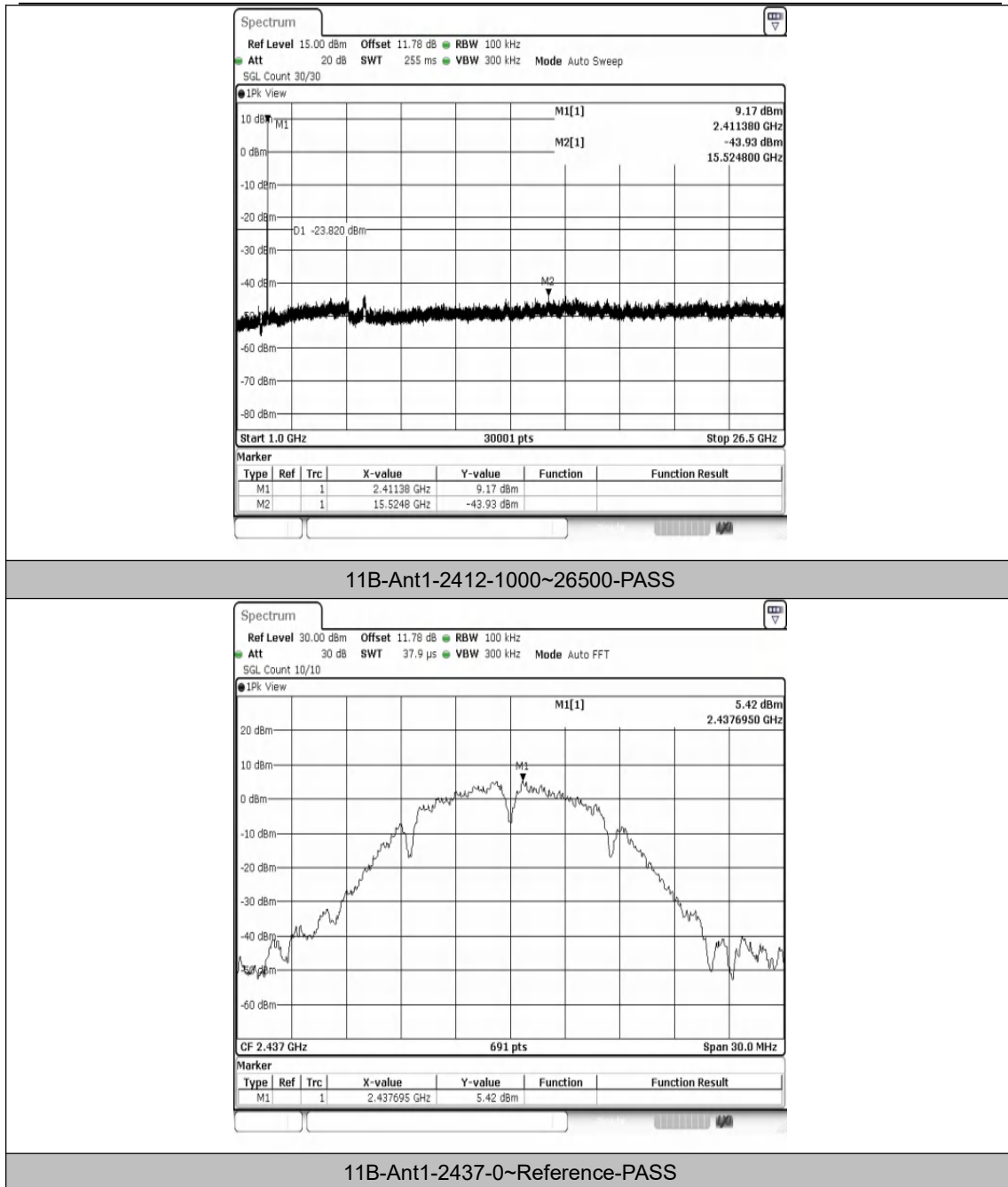


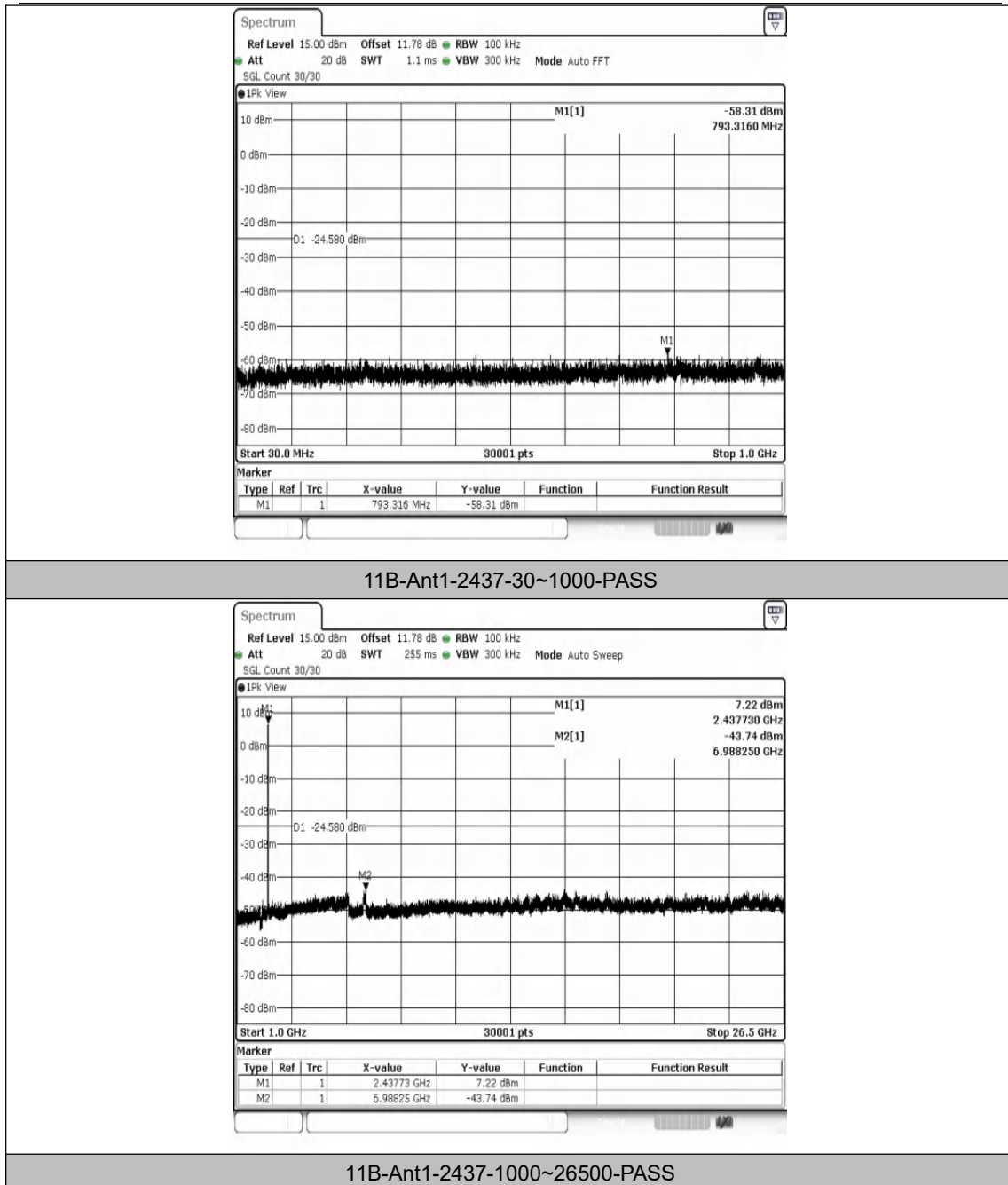
11AX20SISO	Ant1	2412	30~1000	-1.29	-57.91	≤ 31.29	PASS
11AX20SISO	Ant1	2412	1000~26500	-1.29	-43.78	≤ 31.29	PASS
11AX20SISO	Ant1	2437	0~Reference	-2.17	-2.17	---	PASS
11AX20SISO	Ant1	2437	30~1000	-2.17	-56.92	≤ 32.17	PASS
11AX20SISO	Ant1	2437	1000~26500	-2.17	-43.47	≤ 32.17	PASS
11AX20SISO	Ant1	2462	0~Reference	-2.27	-2.27	---	PASS
11AX20SISO	Ant1	2462	30~1000	-2.27	-57.74	≤ 32.27	PASS
11AX20SISO	Ant1	2462	1000~26500	-2.27	-43.69	≤ 32.27	PASS
11AX40SISO	Ant1	2422	0~Reference	-4.56	-4.56	---	PASS
11AX40SISO	Ant1	2422	30~1000	-4.56	-57.48	≤ 34.56	PASS
11AX40SISO	Ant1	2422	1000~26500	-4.56	-43.84	≤ 34.56	PASS
11AX40SISO	Ant1	2437	0~Reference	-3.93	-3.93	---	PASS
11AX40SISO	Ant1	2437	30~1000	-3.93	-57.36	≤ 33.93	PASS
11AX40SISO	Ant1	2437	1000~26500	-3.93	-43.16	≤ 33.93	PASS
11AX40SISO	Ant1	2452	0~Reference	-1.18	-1.18	---	PASS
11AX40SISO	Ant1	2452	30~1000	-1.18	-58.08	≤ 31.18	PASS
11AX40SISO	Ant1	2452	1000~26500	-1.18	-44.22	≤ 31.18	PASS

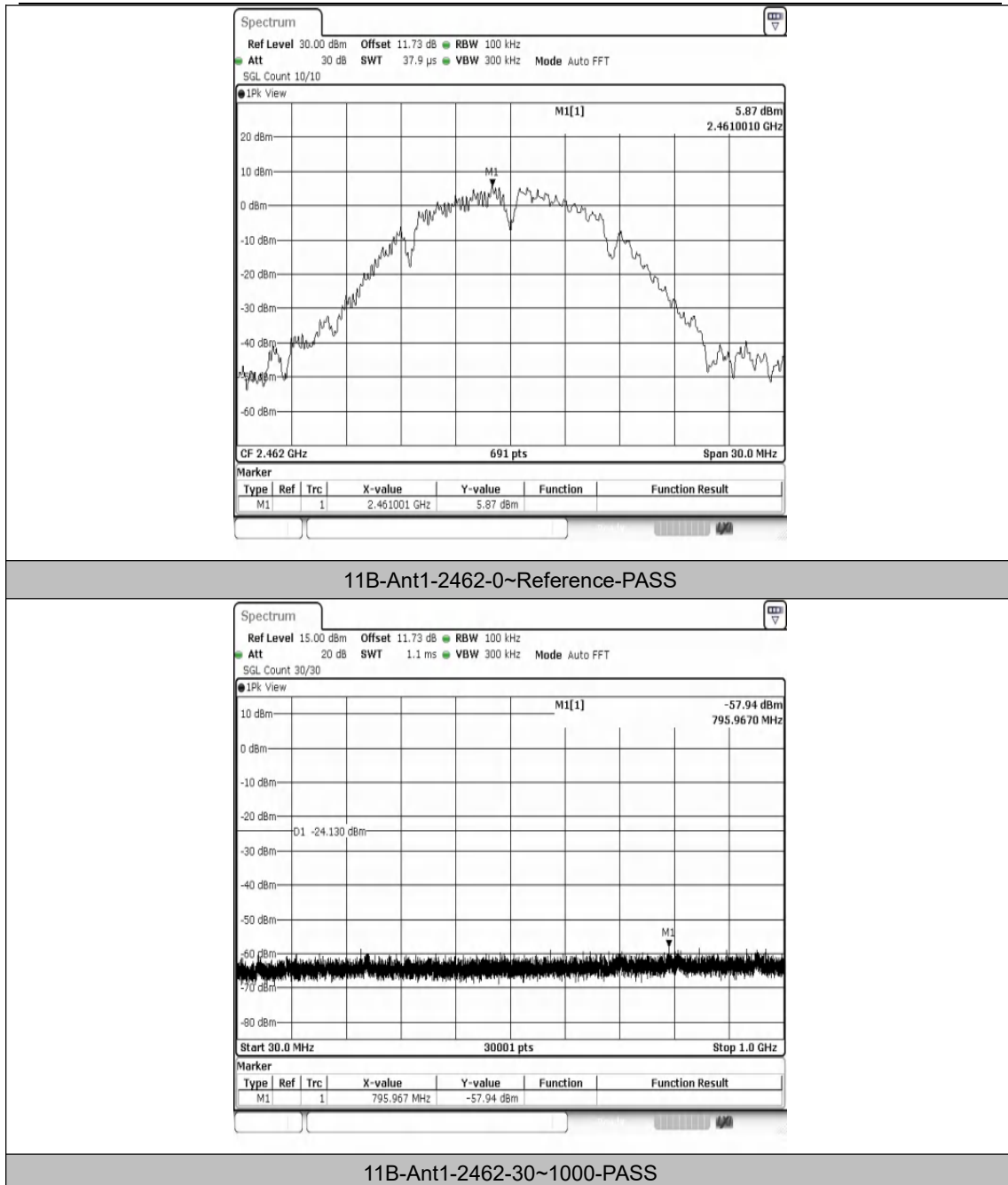


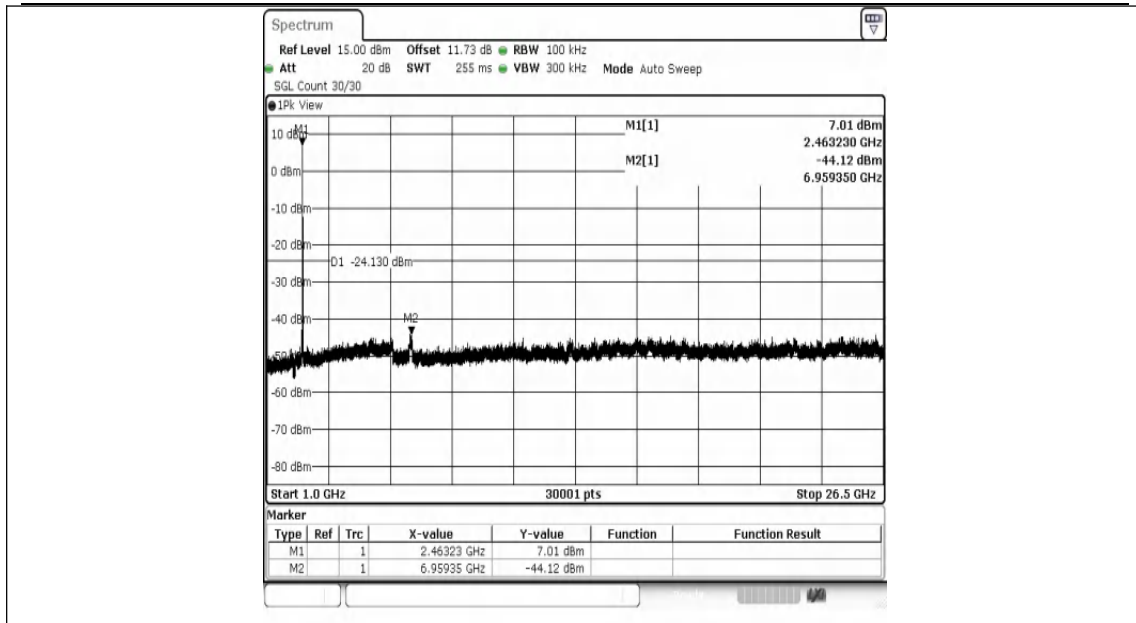
Test Graphs



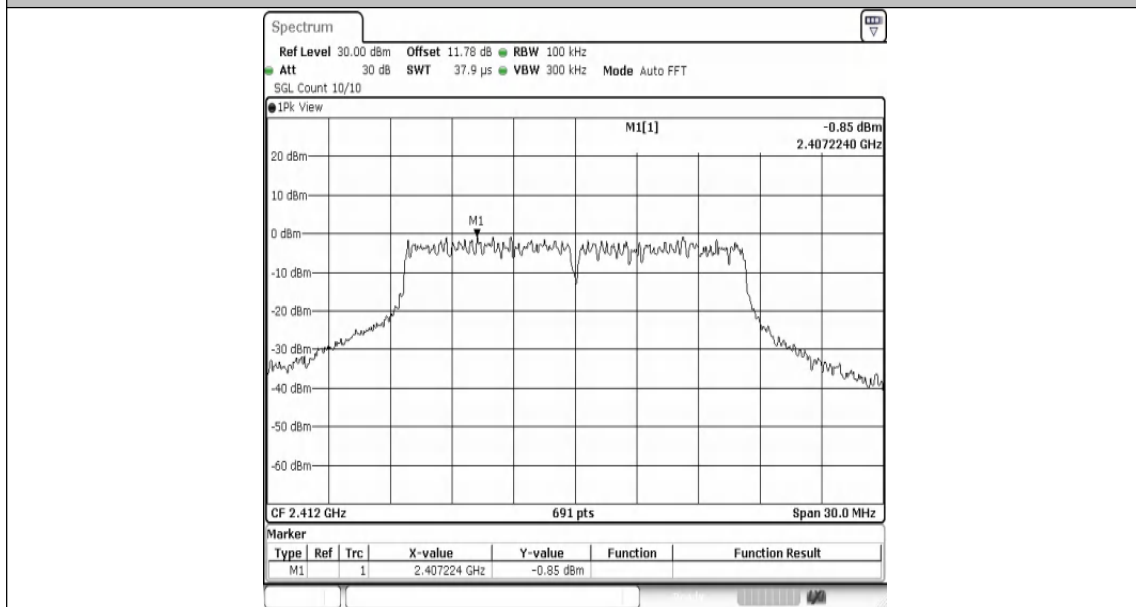






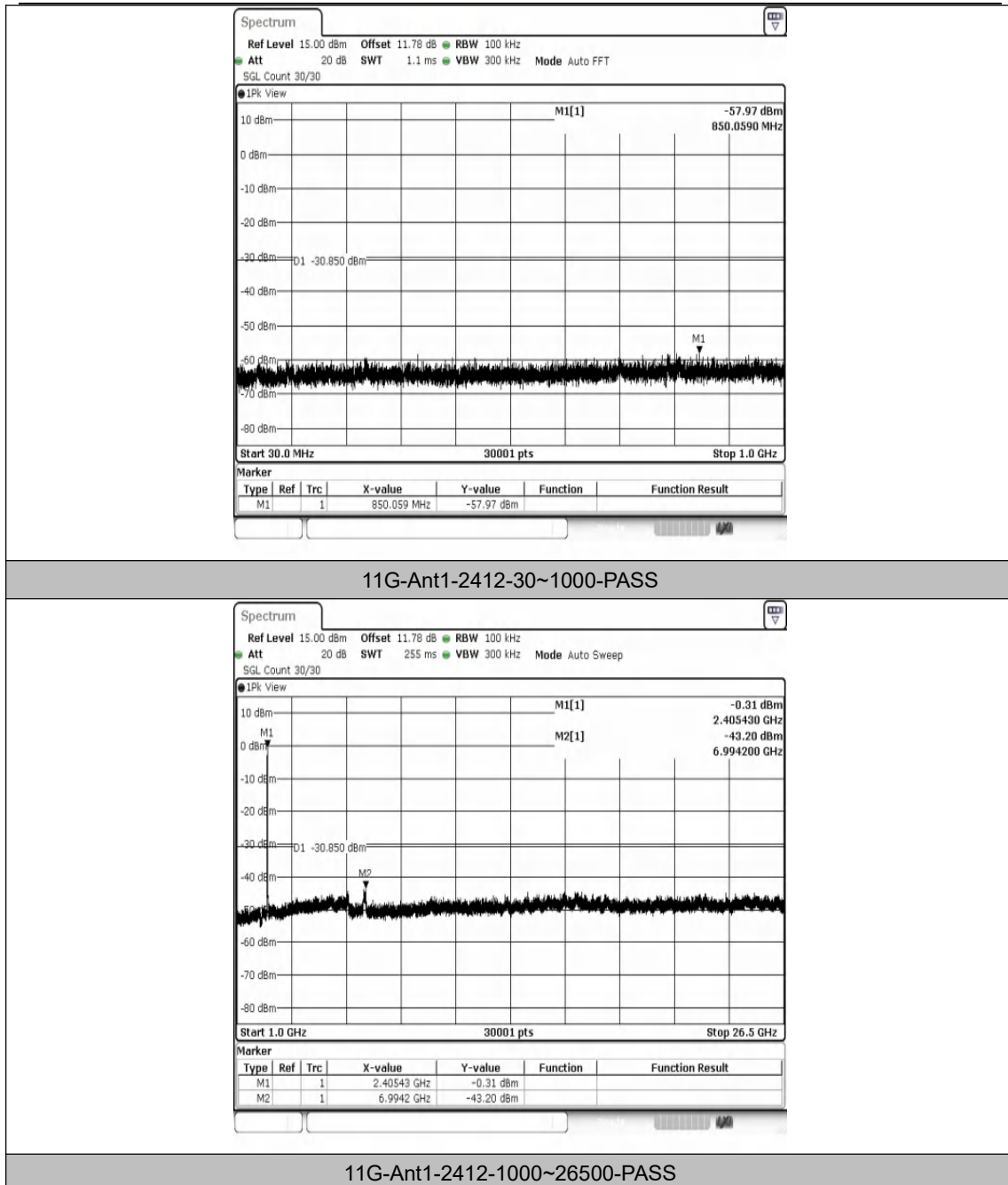


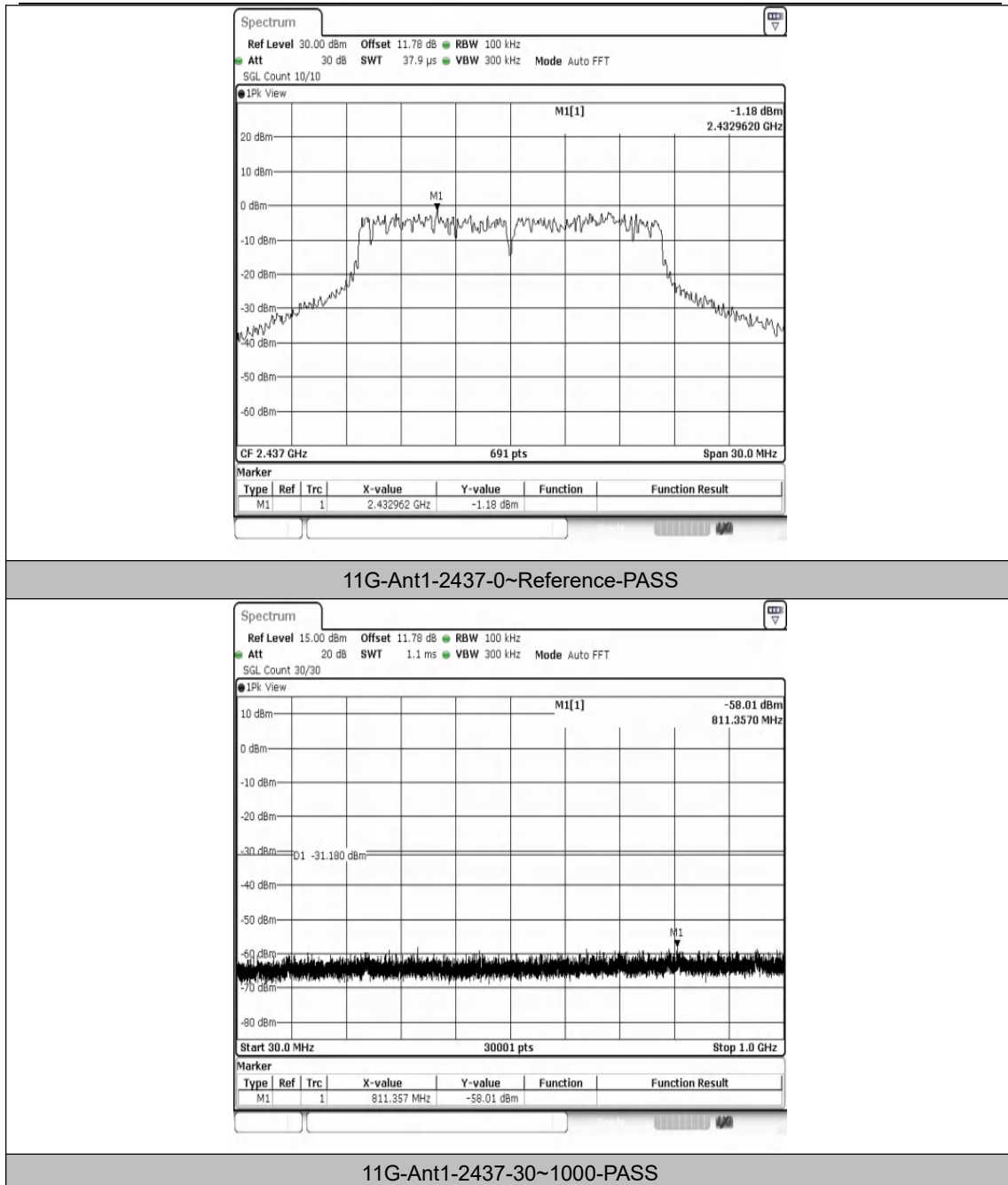
11B-Ant1-2462-1000~26500-PASS

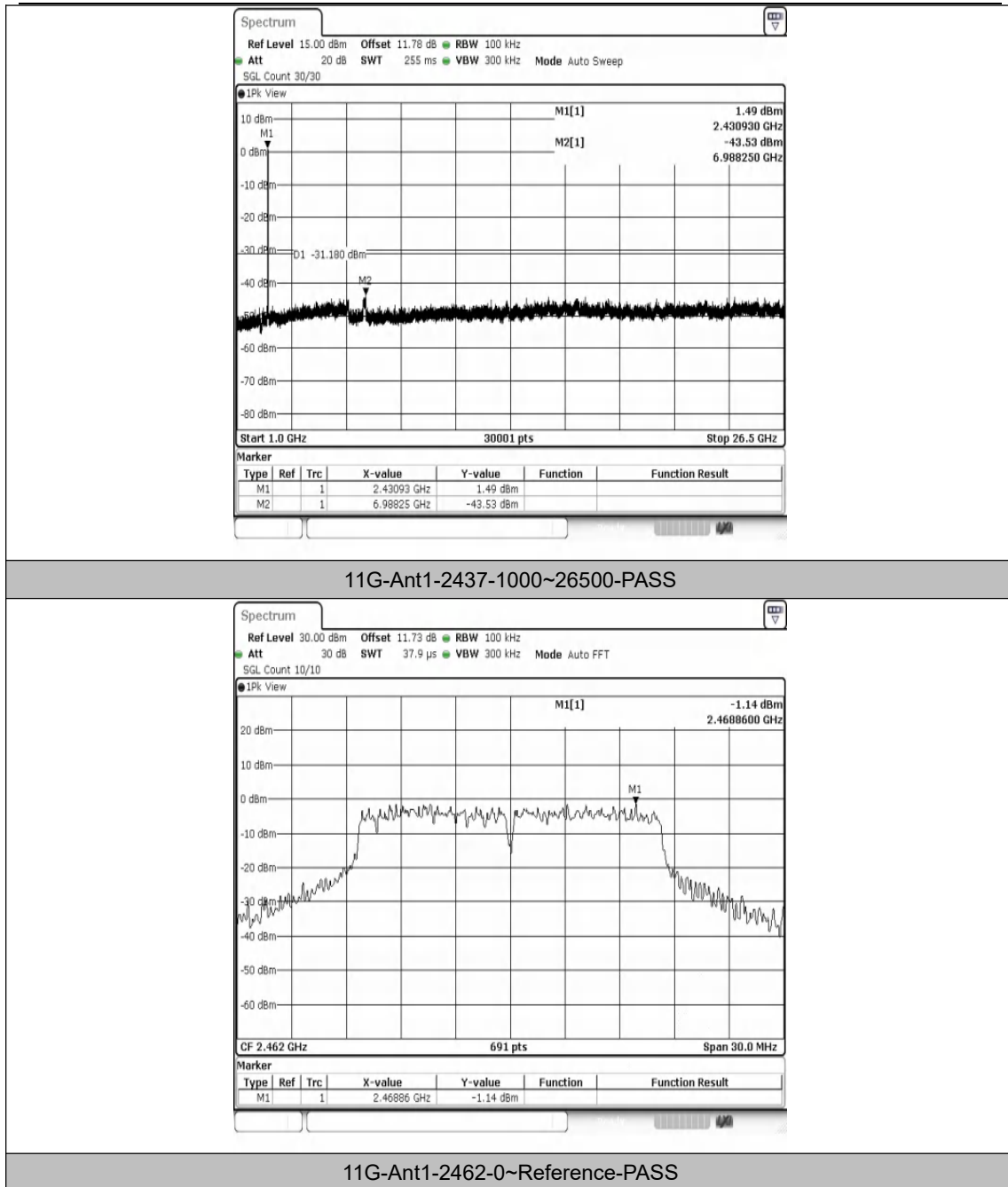


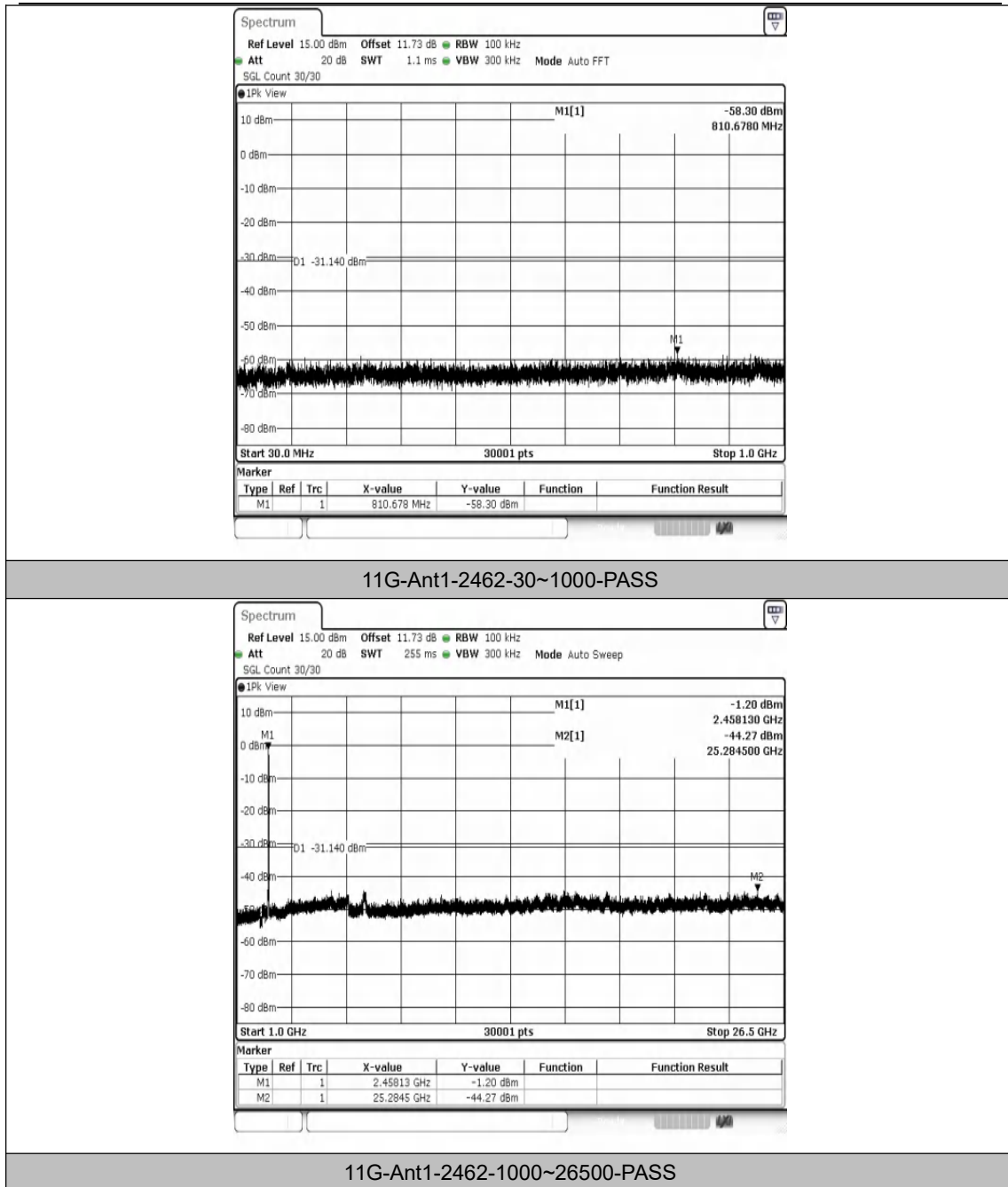
11G-Ant1-2412-0~Reference-PASS

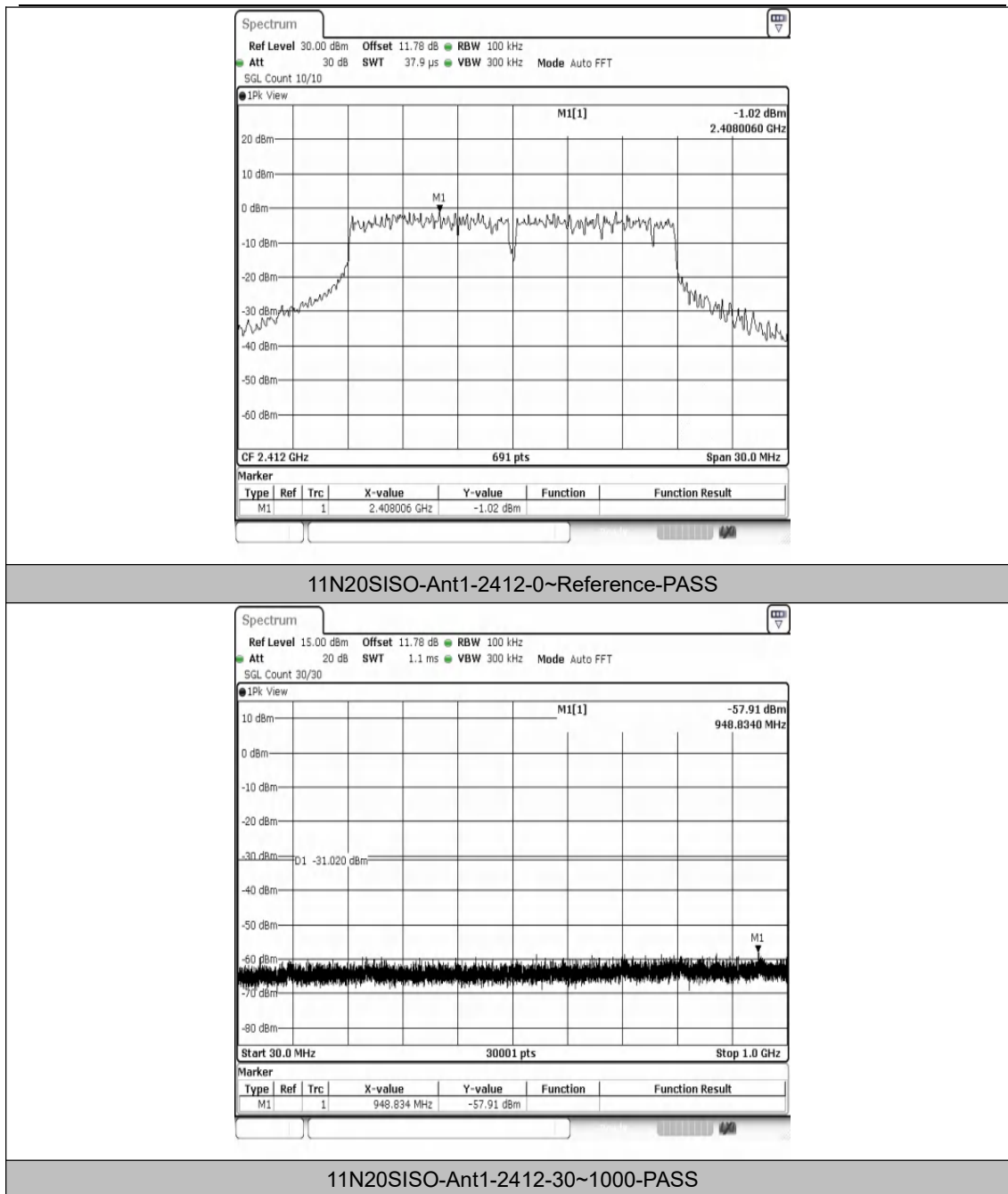


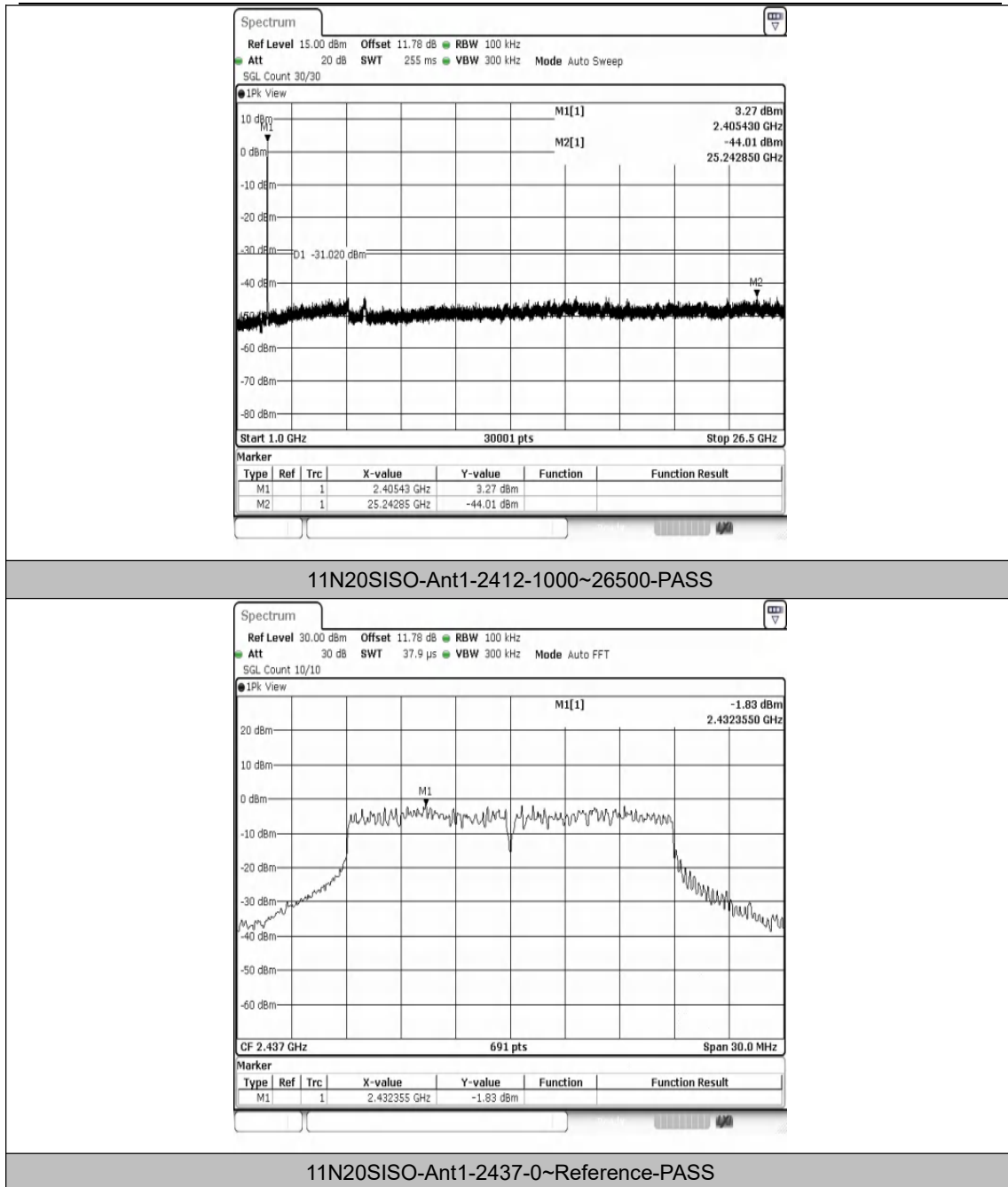


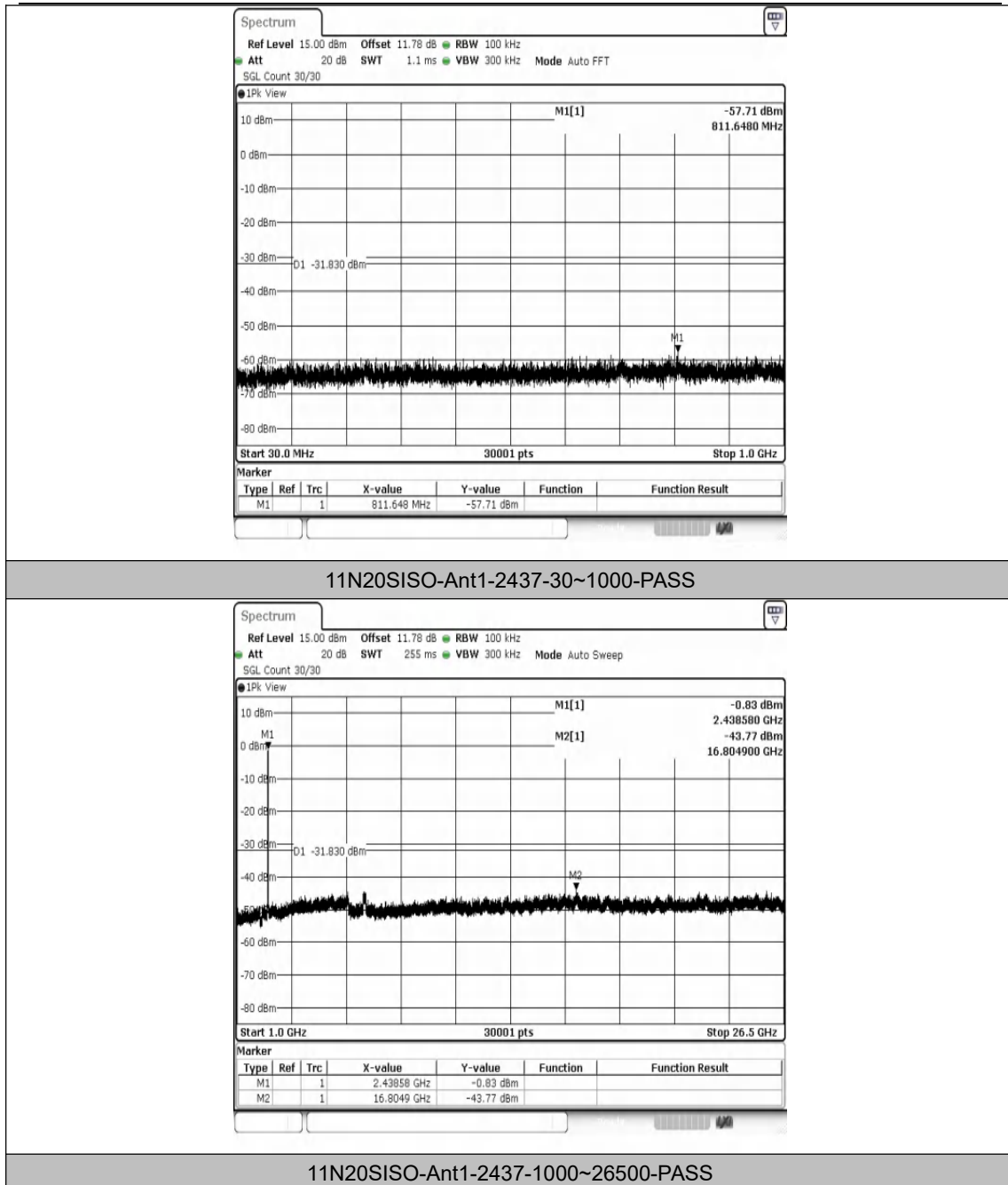


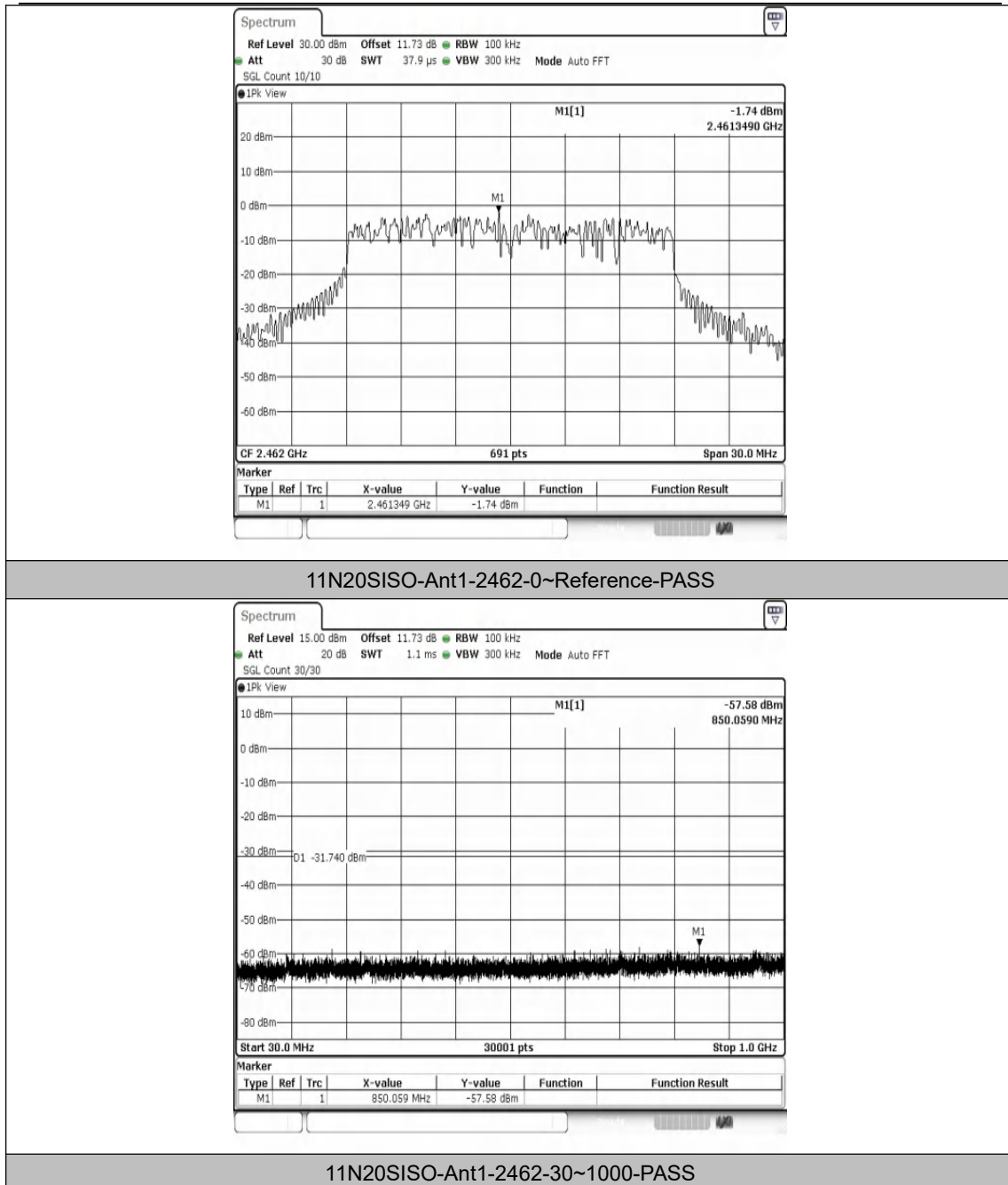


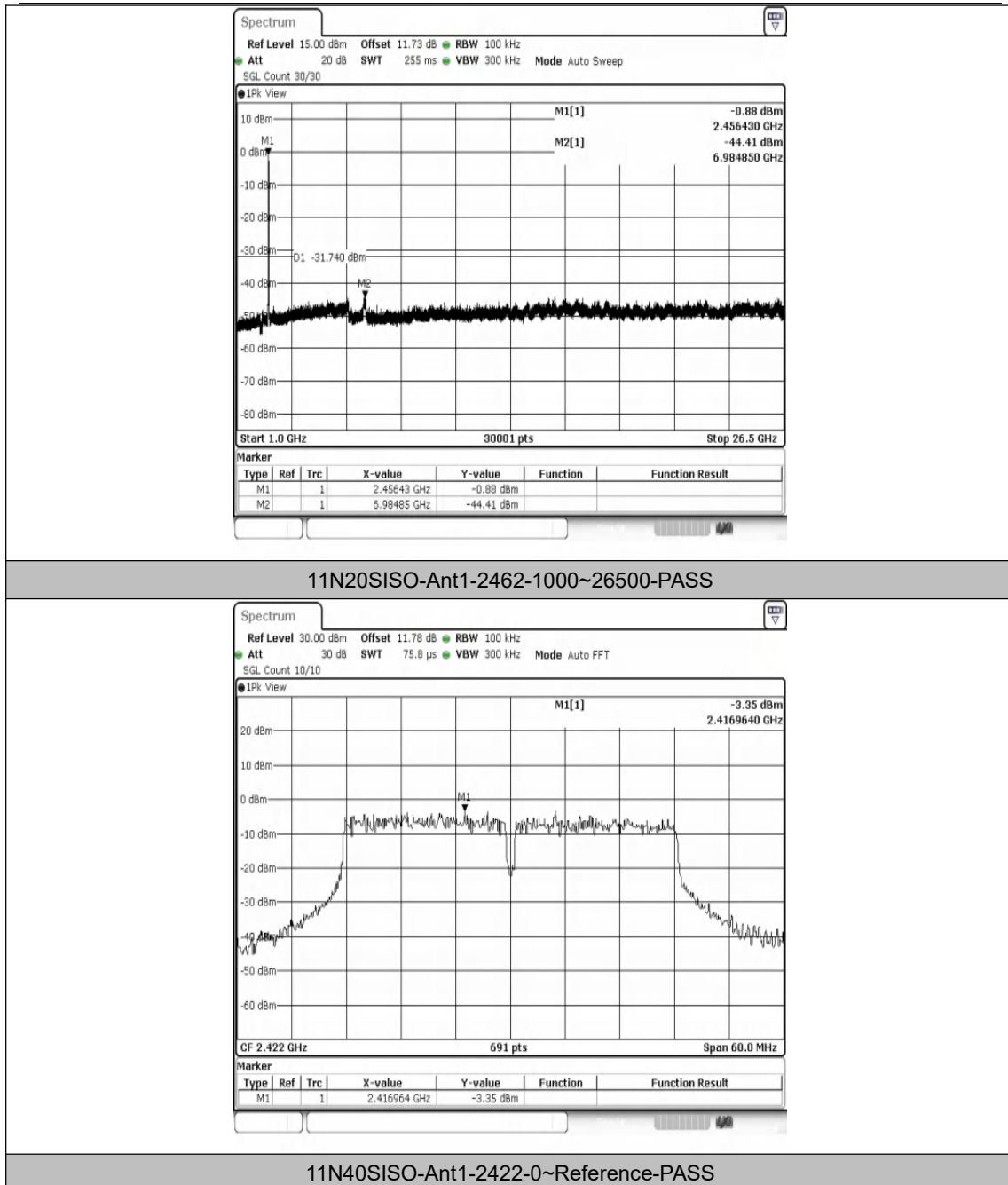


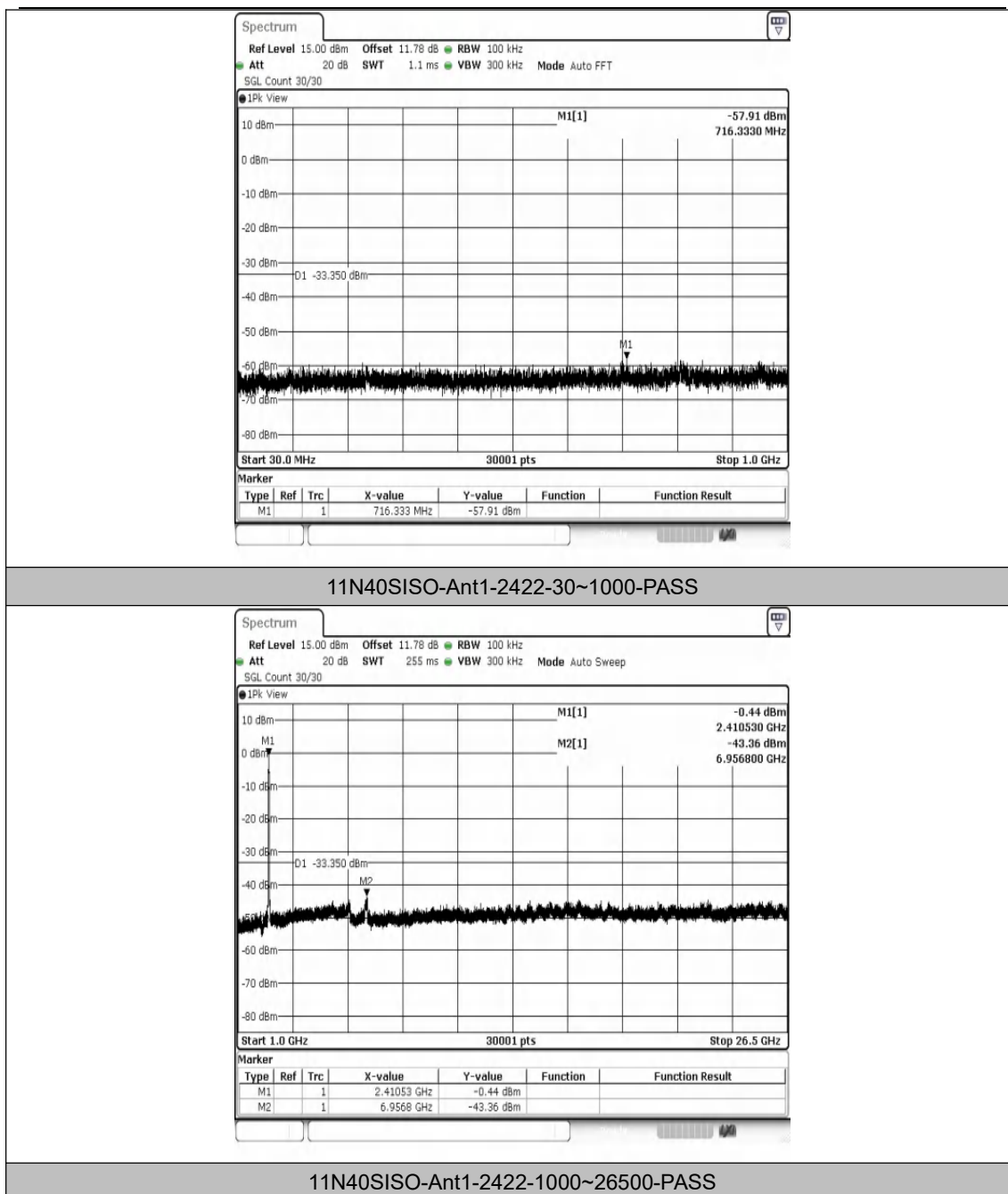


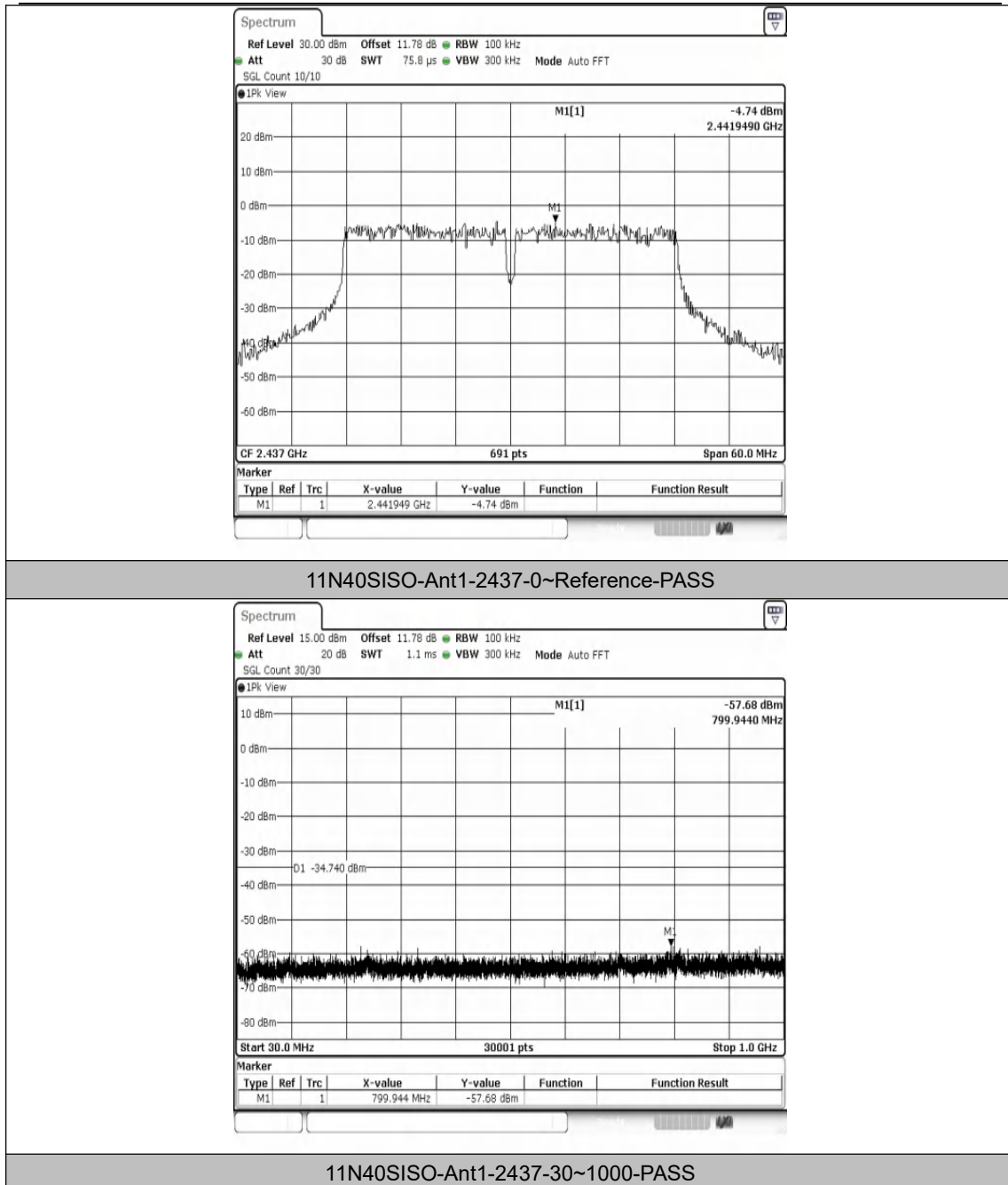


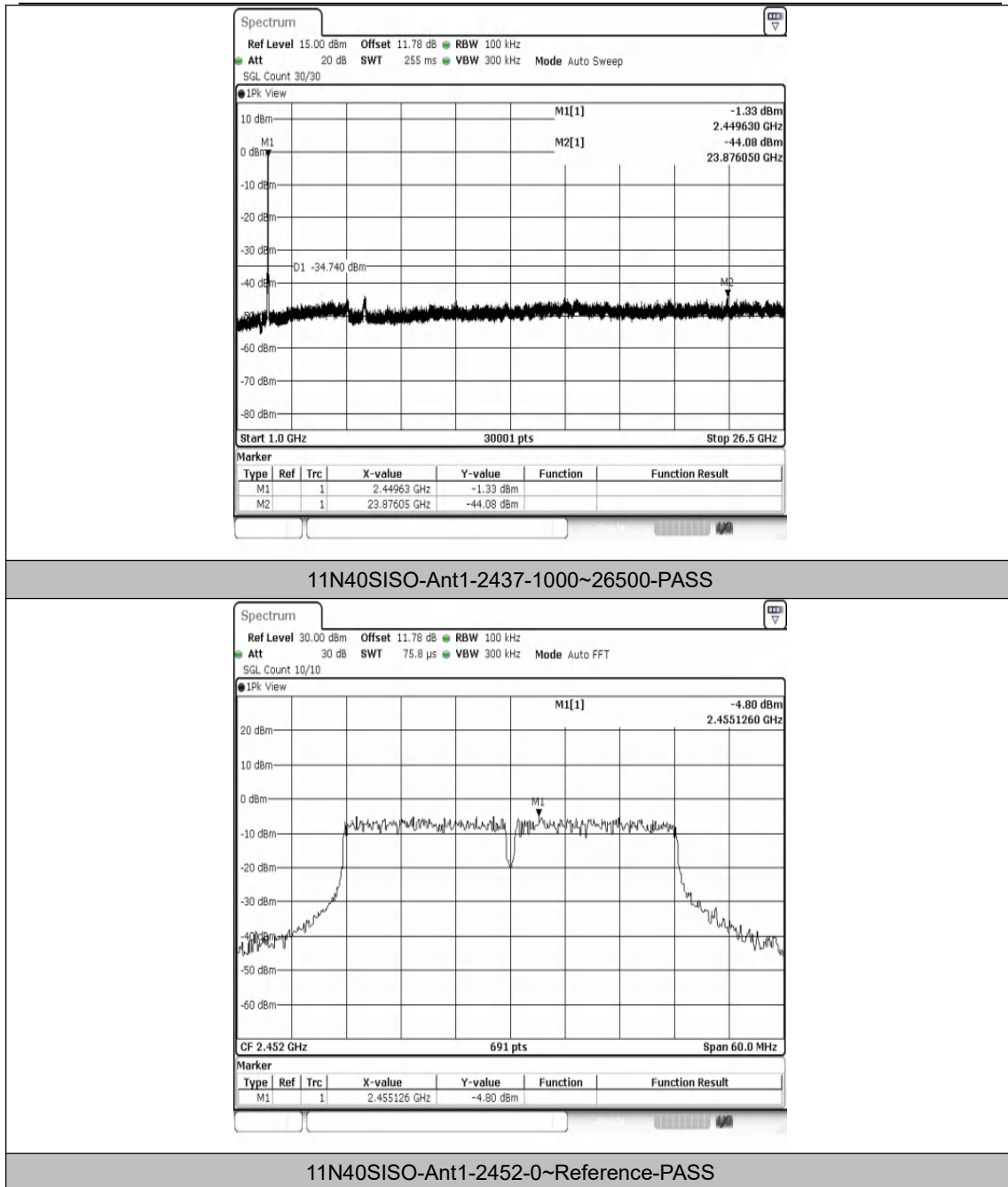


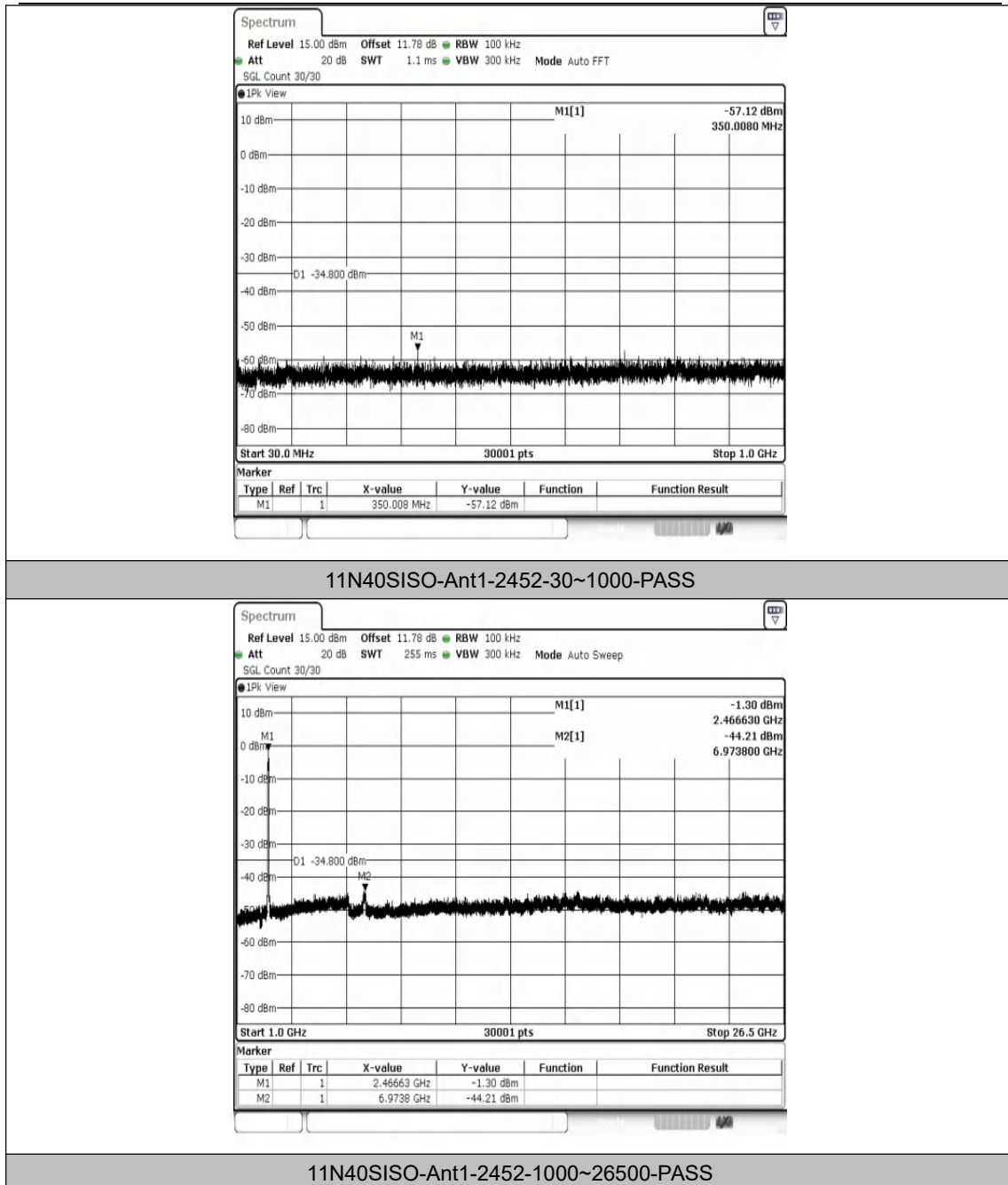


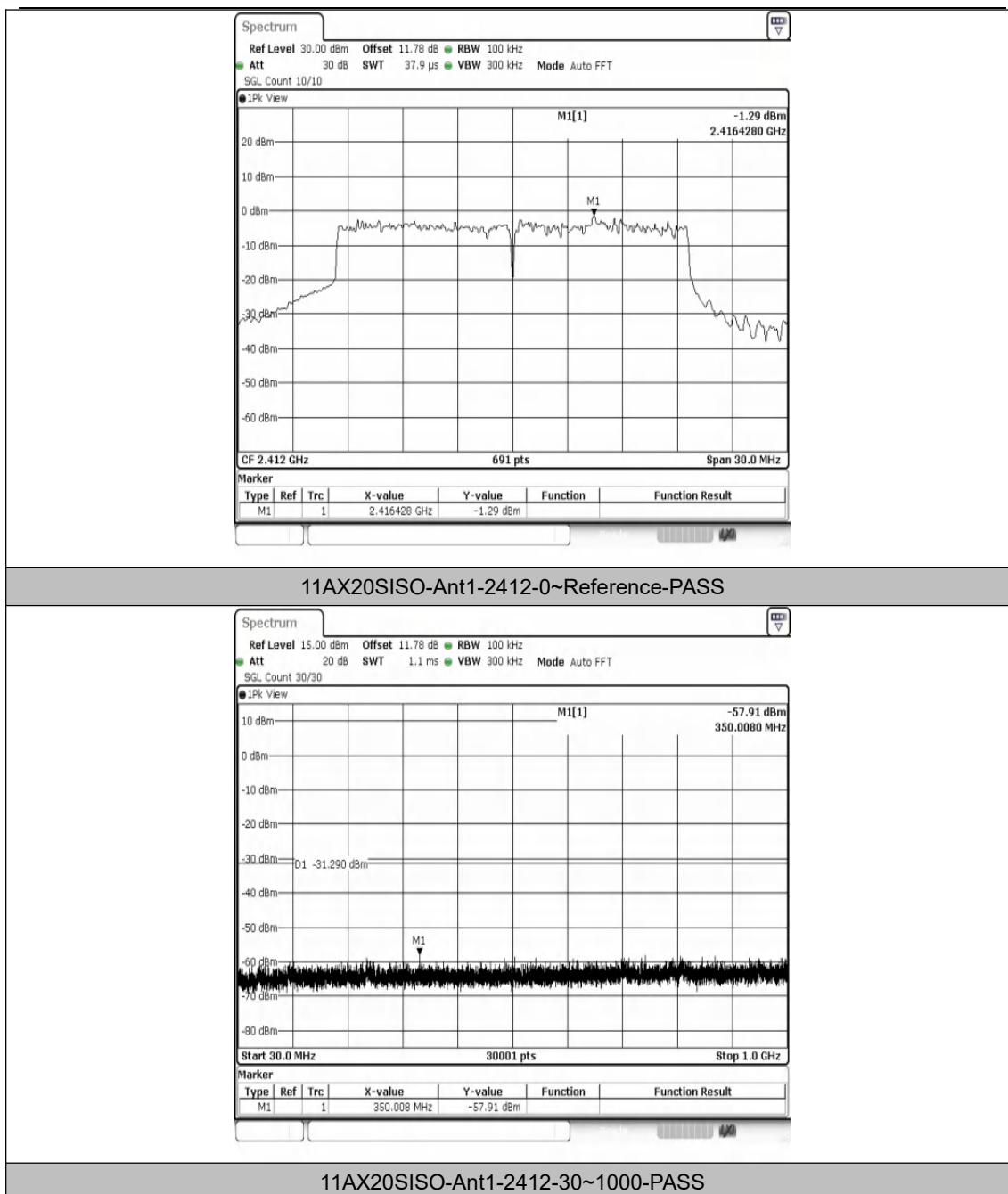


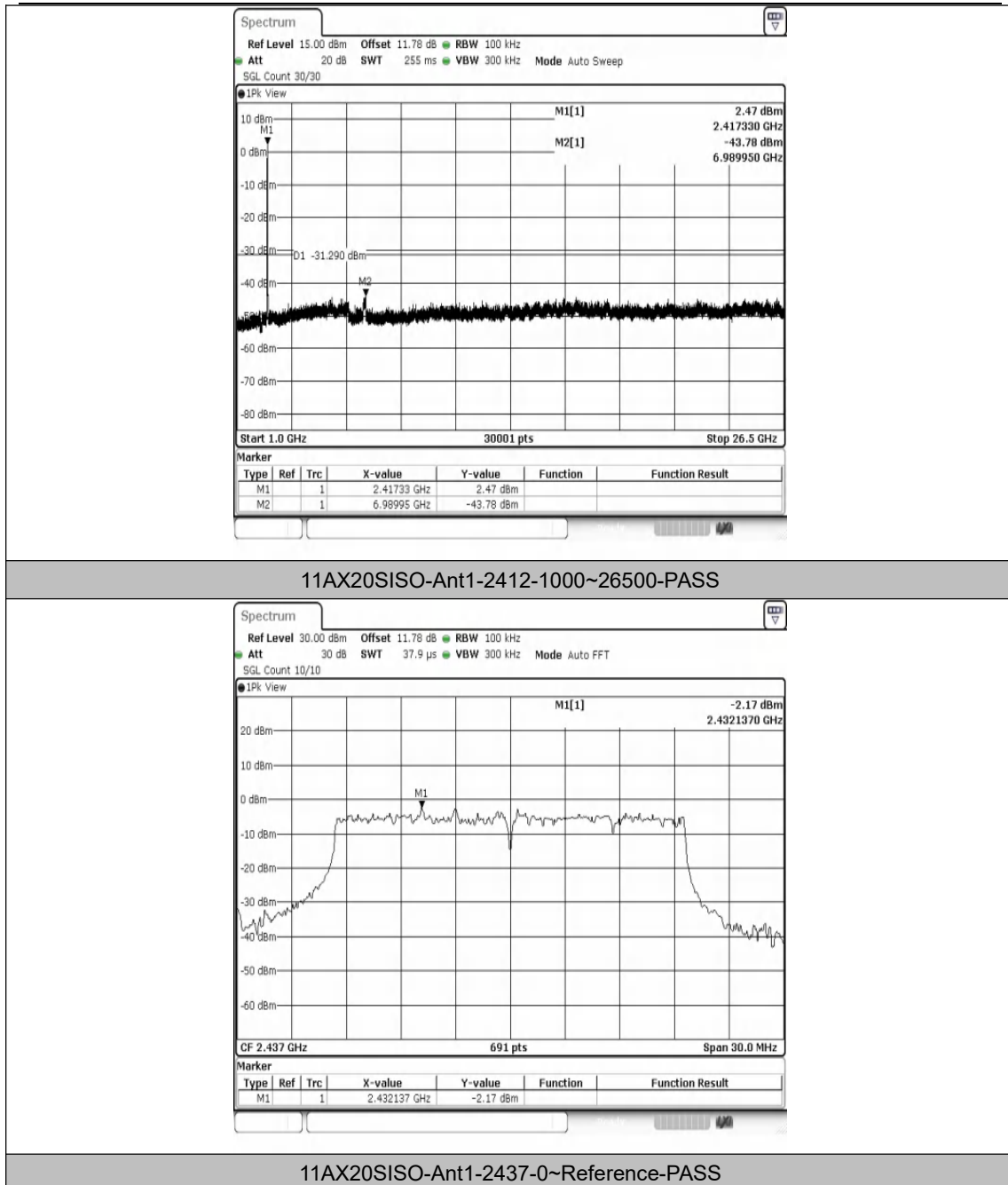


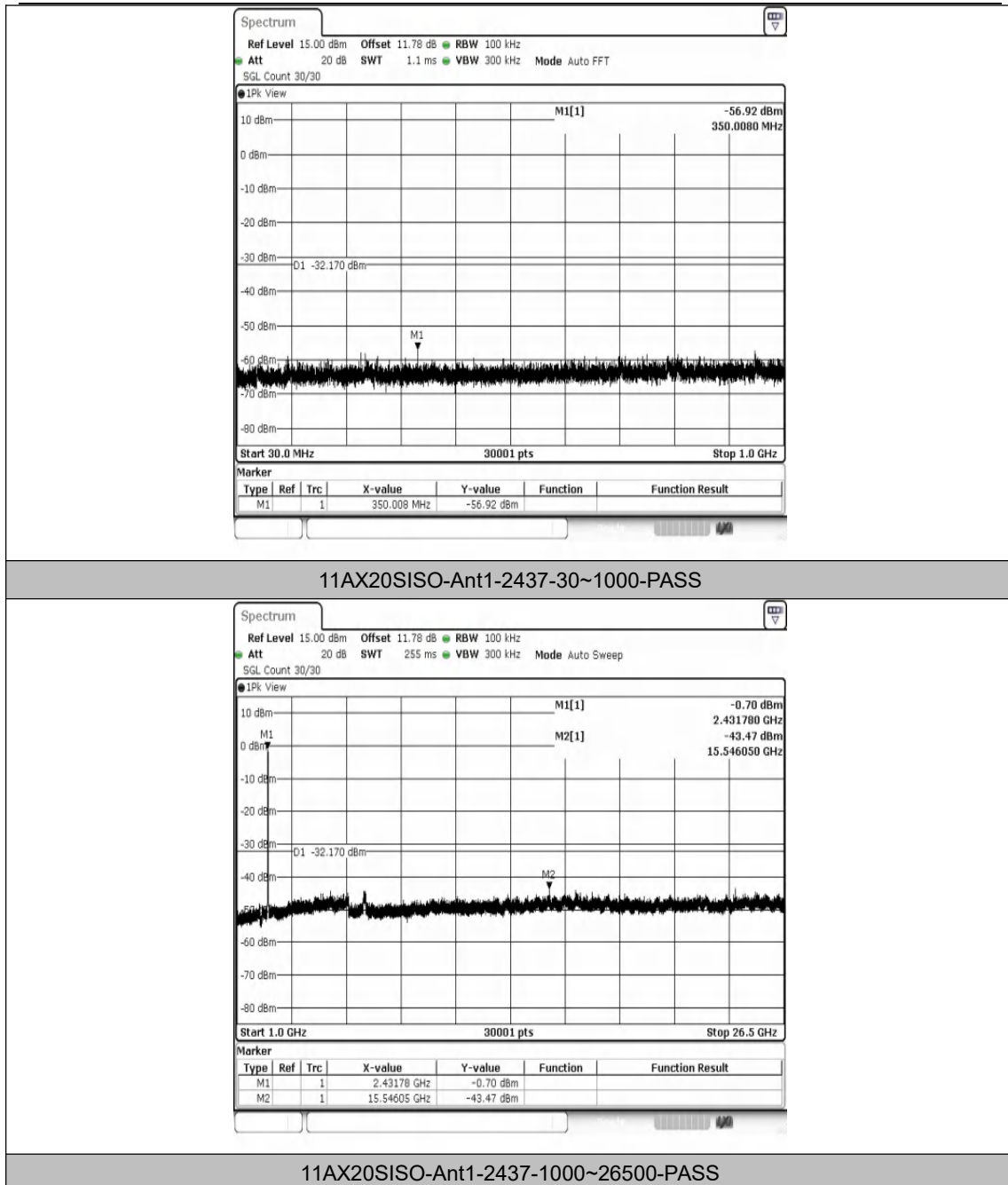


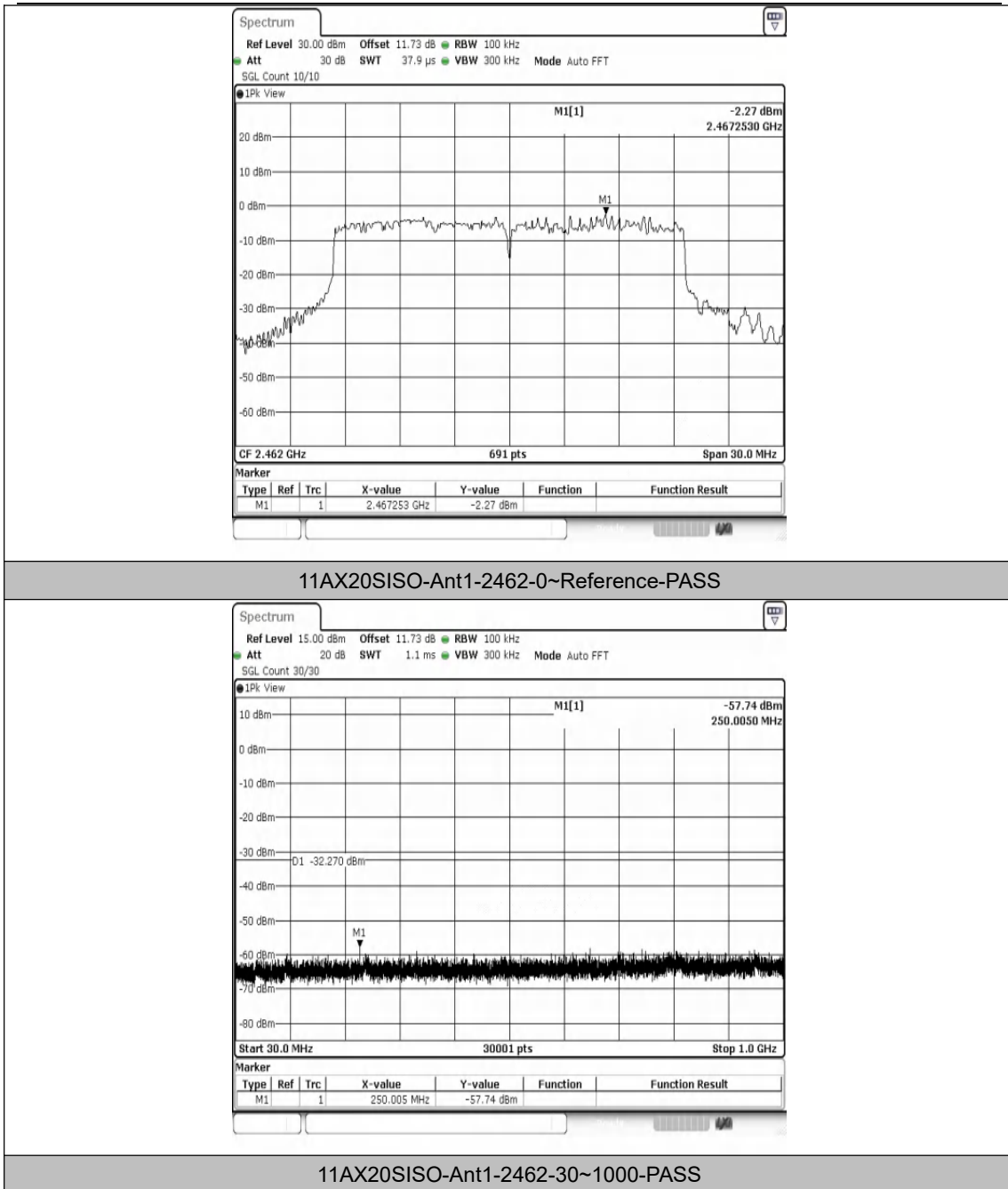


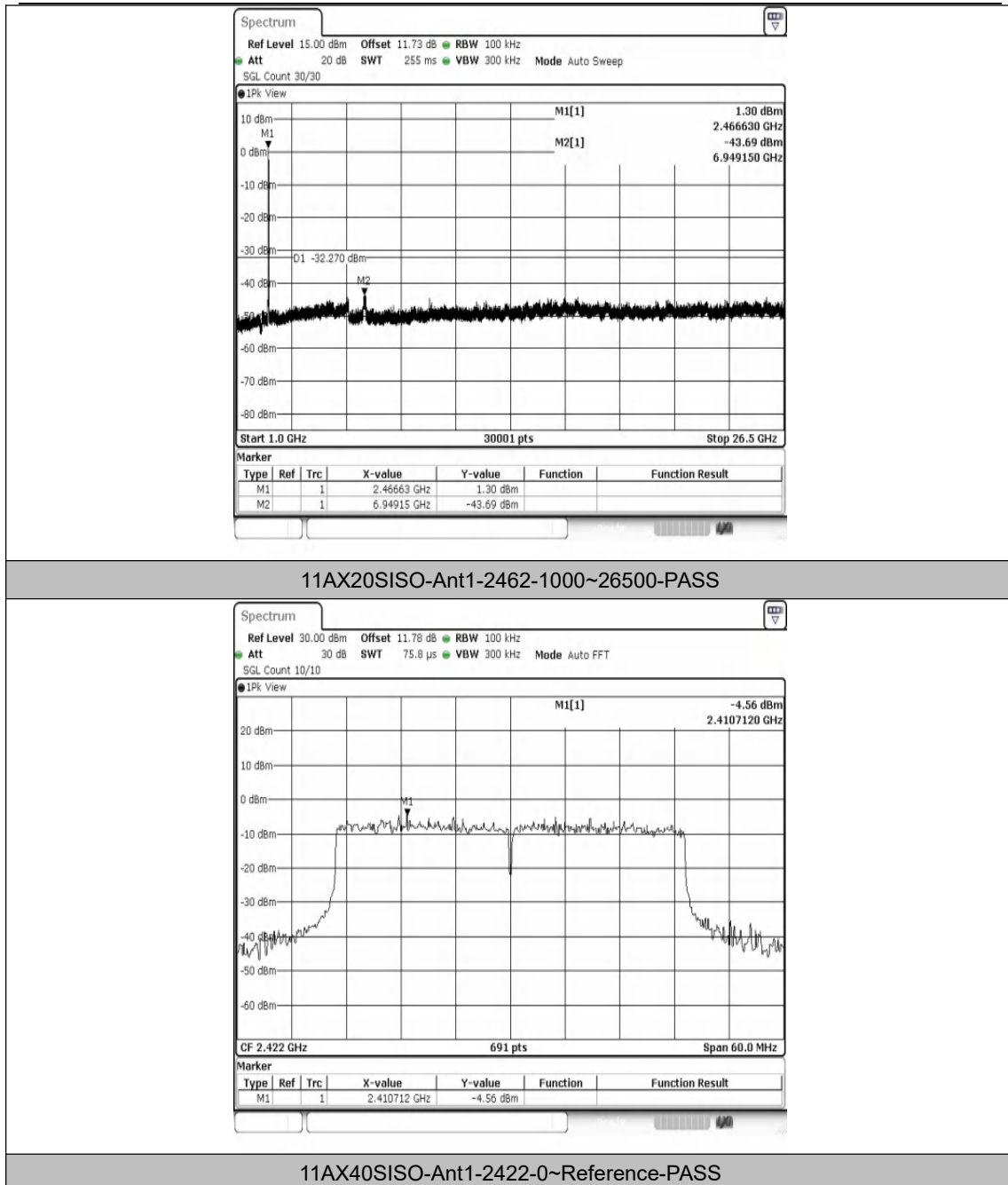


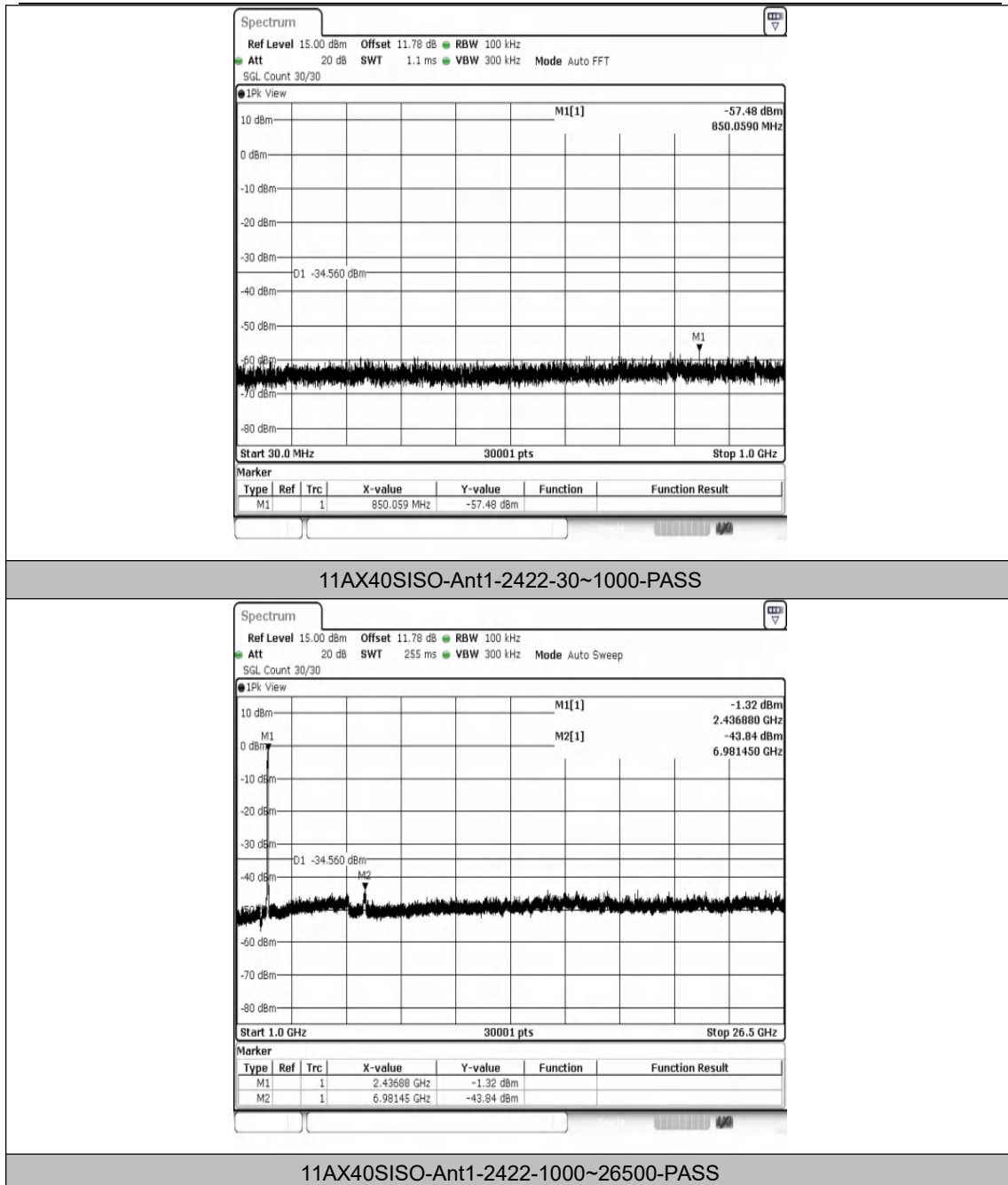


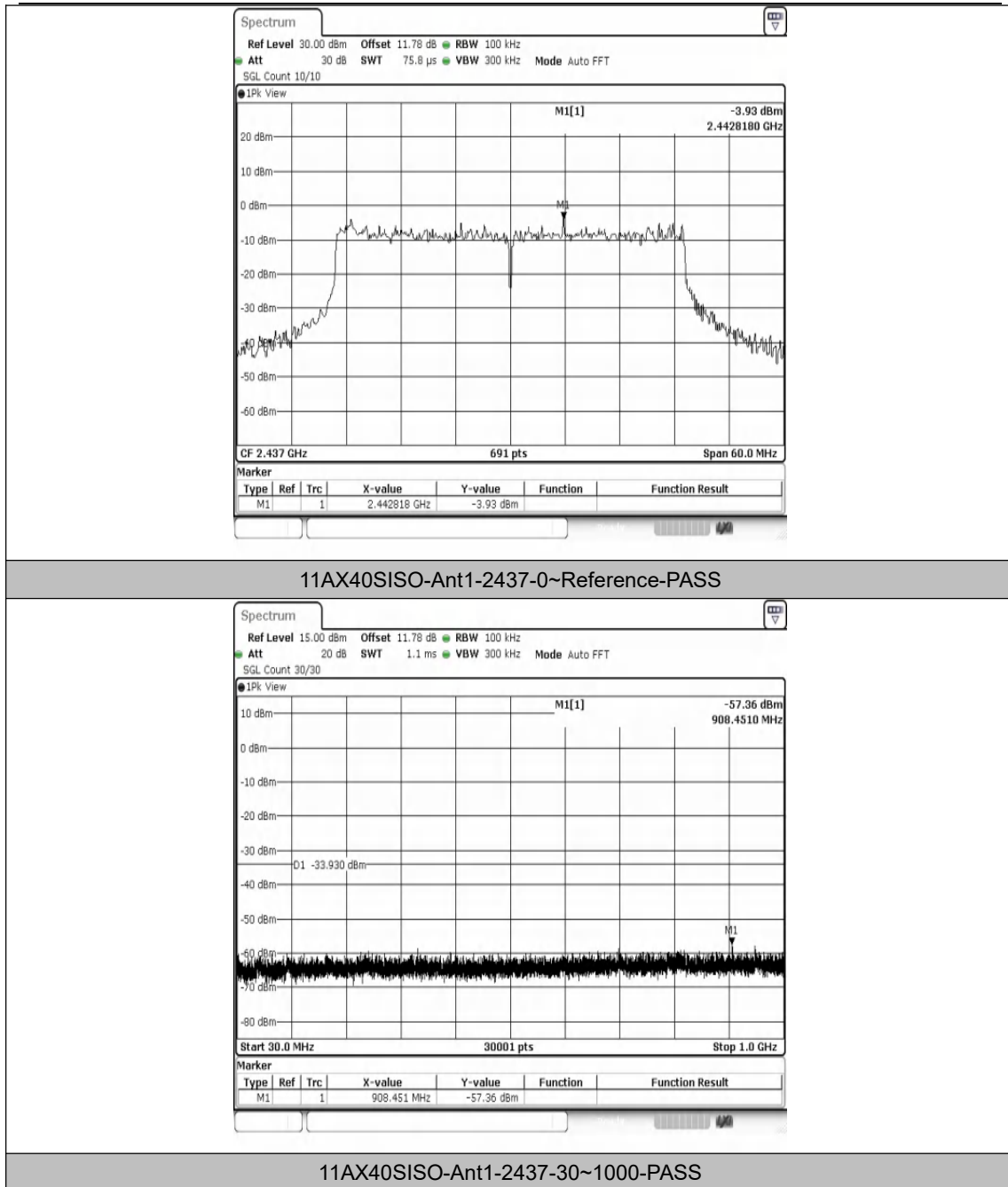


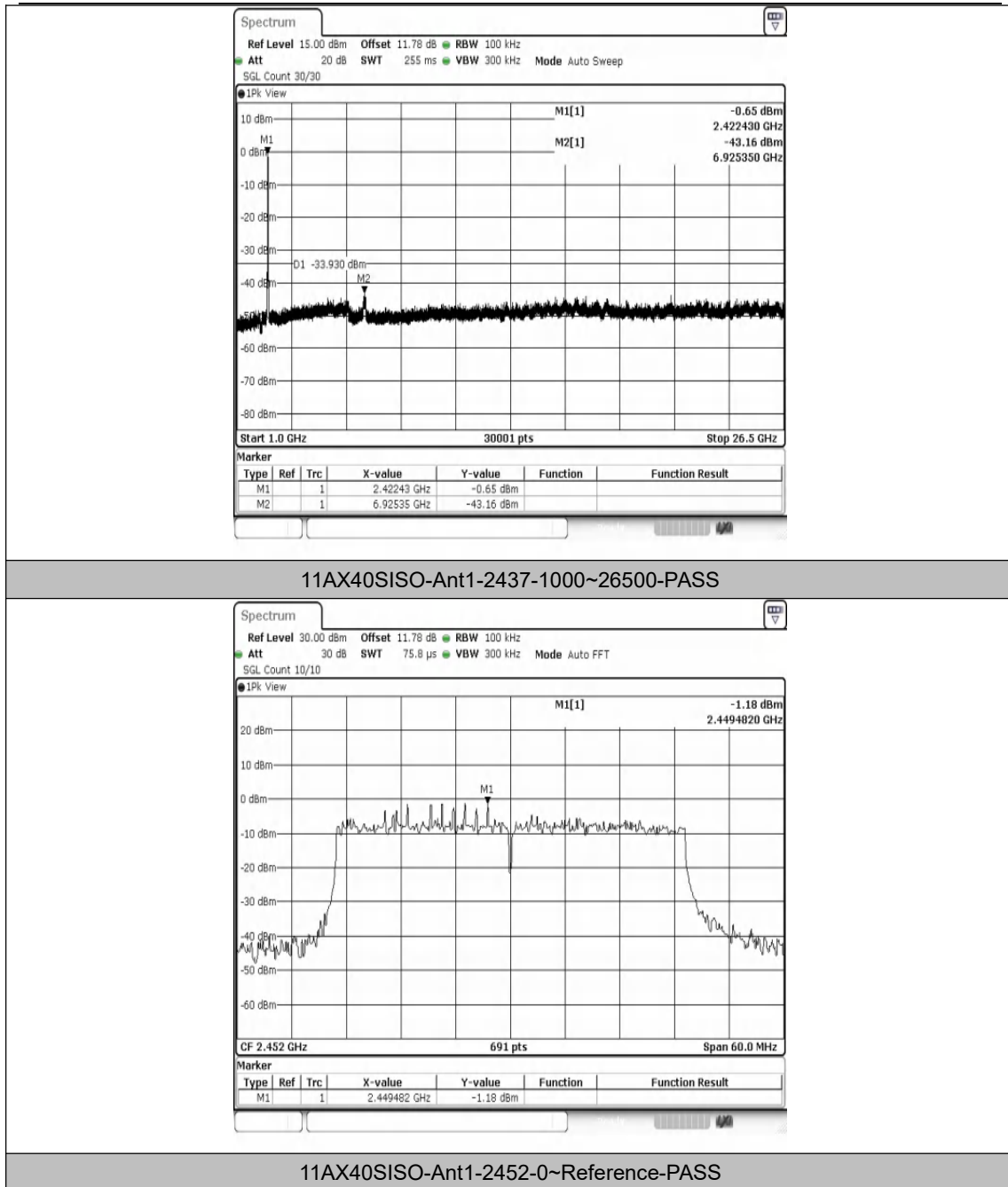


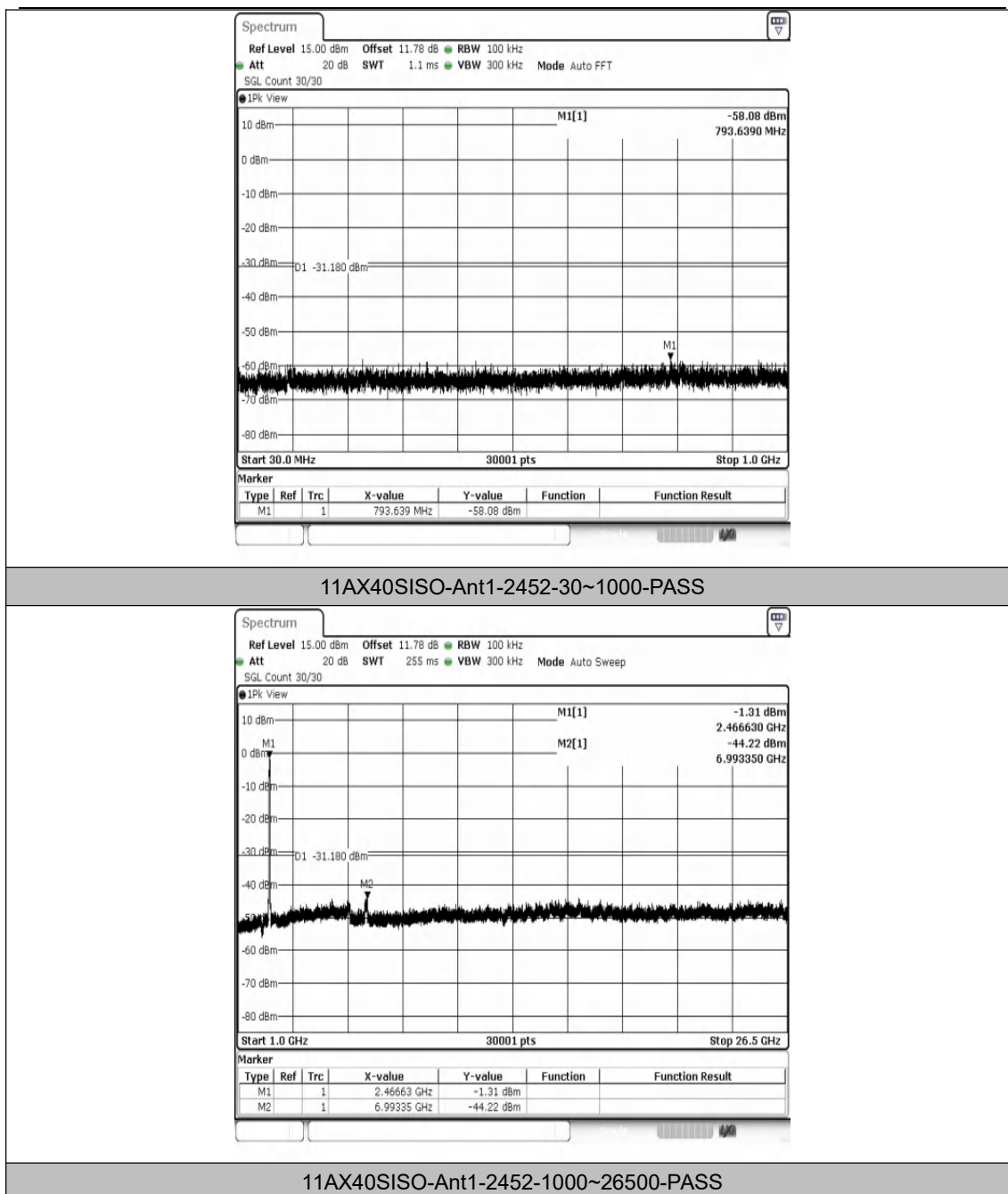












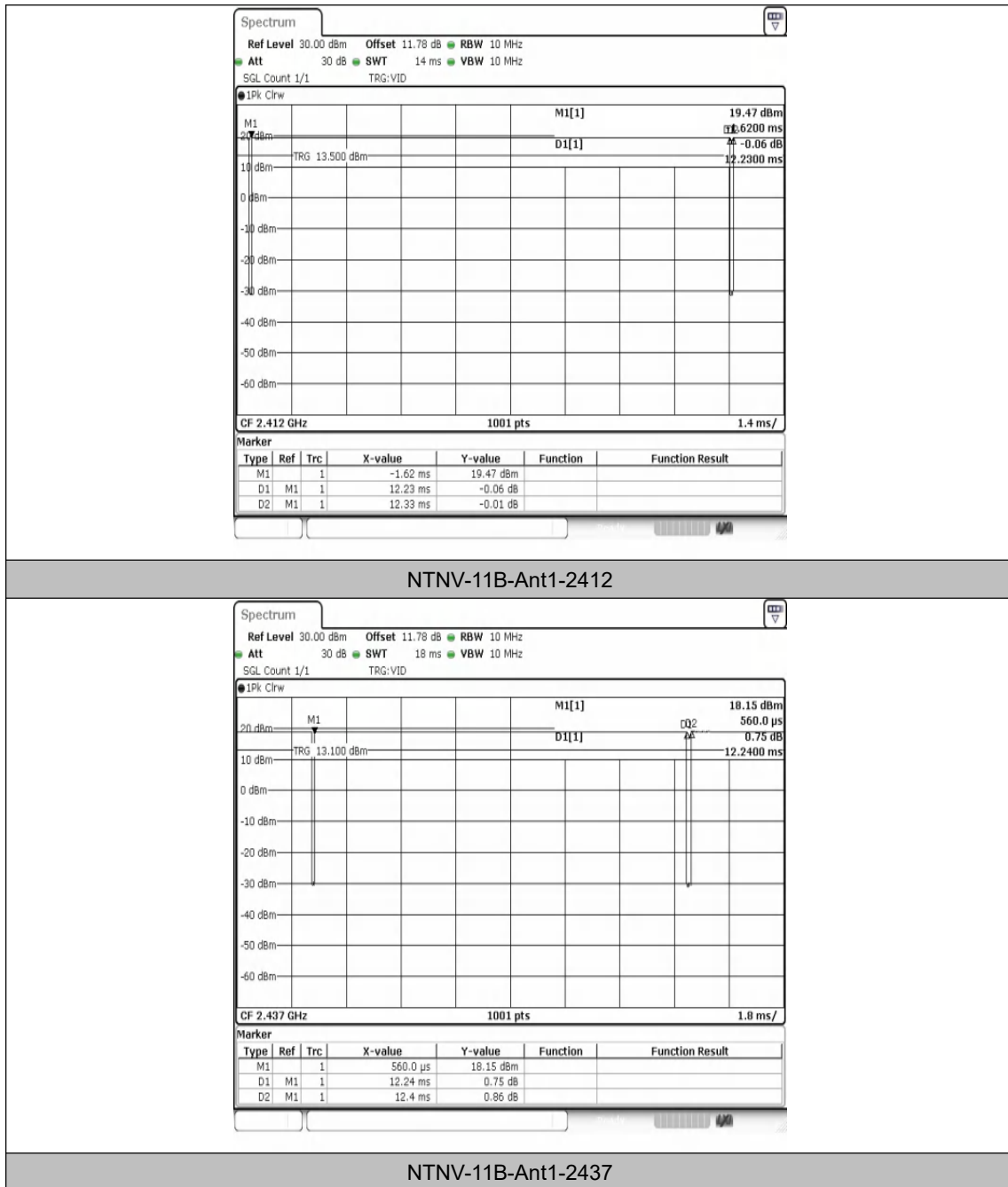
Appendix G: Duty Cycle

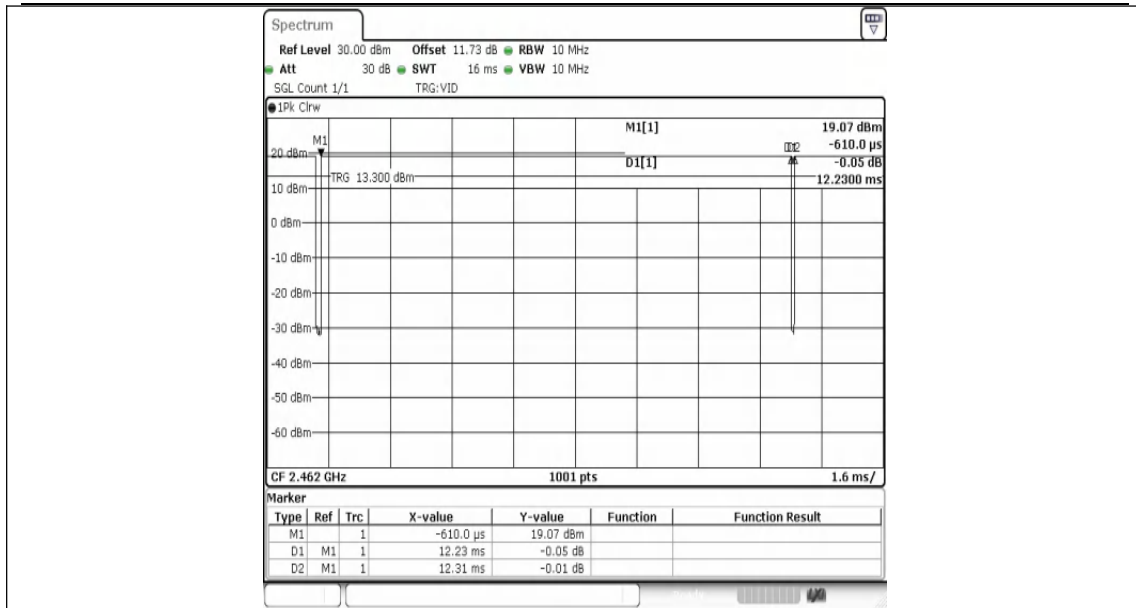
Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.23	12.33	99.19	0.04
11B	Ant1	2437	12.24	12.40	98.71	0.06
11B	Ant1	2462	12.23	12.31	99.35	0.03
11G	Ant1	2412	2.03	2.20	92.27	0.35
11G	Ant1	2437	2.03	2.12	95.75	0.19
11G	Ant1	2462	2.04	2.16	94.44	0.25
11N20SISO	Ant1	2412	1.89	2.09	90.43	0.44
11N20SISO	Ant1	2437	1.89	1.98	95.45	0.20
11N20SISO	Ant1	2462	1.89	2.22	85.14	0.70
11N40SISO	Ant1	2422	0.94	1.06	88.68	0.52
11N40SISO	Ant1	2437	0.93	1.08	86.11	0.65
11N40SISO	Ant1	2452	0.94	1.10	85.45	0.68
11AX20SISO	Ant1	2412	1.46	1.61	90.68	0.42
11AX20SISO	Ant1	2437	1.46	1.62	90.12	0.45
11AX20SISO	Ant1	2462	1.46	1.64	89.02	0.51
11AX40SISO	Ant1	2422	0.74	0.86	86.05	0.65
11AX40SISO	Ant1	2437	0.75	0.92	81.52	0.89
11AX40SISO	Ant1	2452	0.75	0.93	80.65	0.93

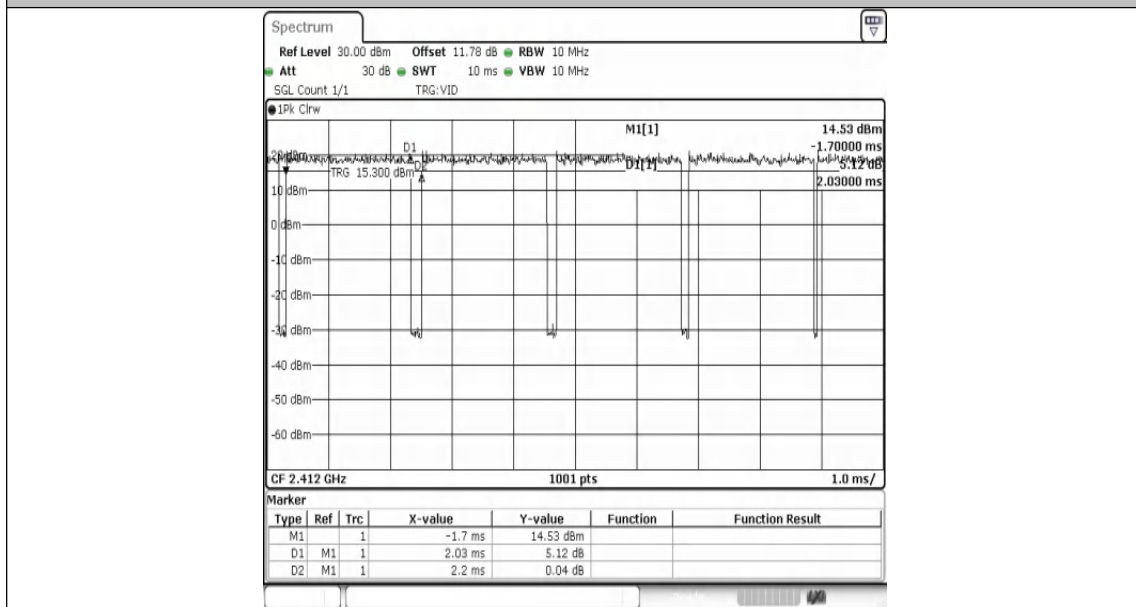


Test Graphs



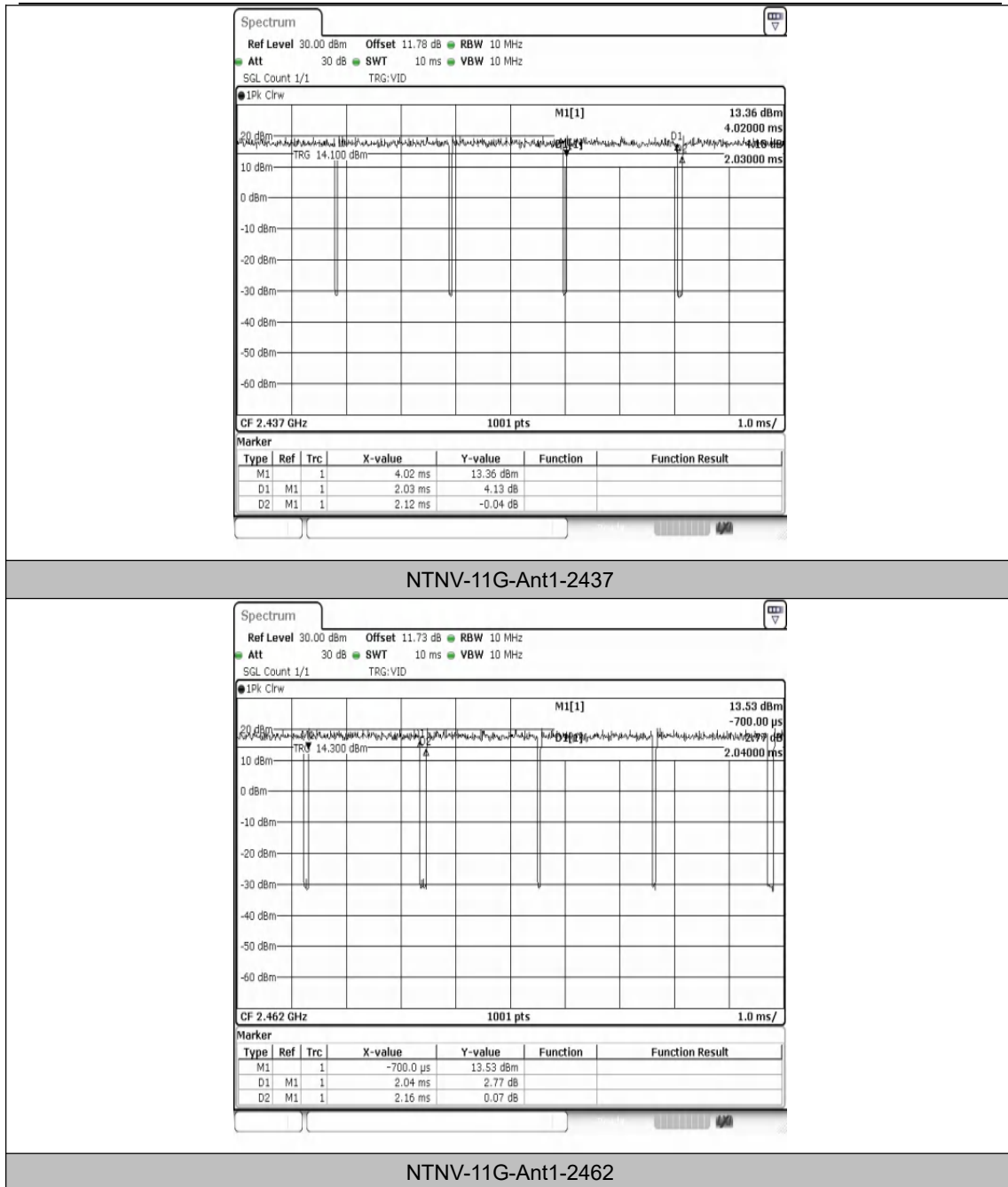


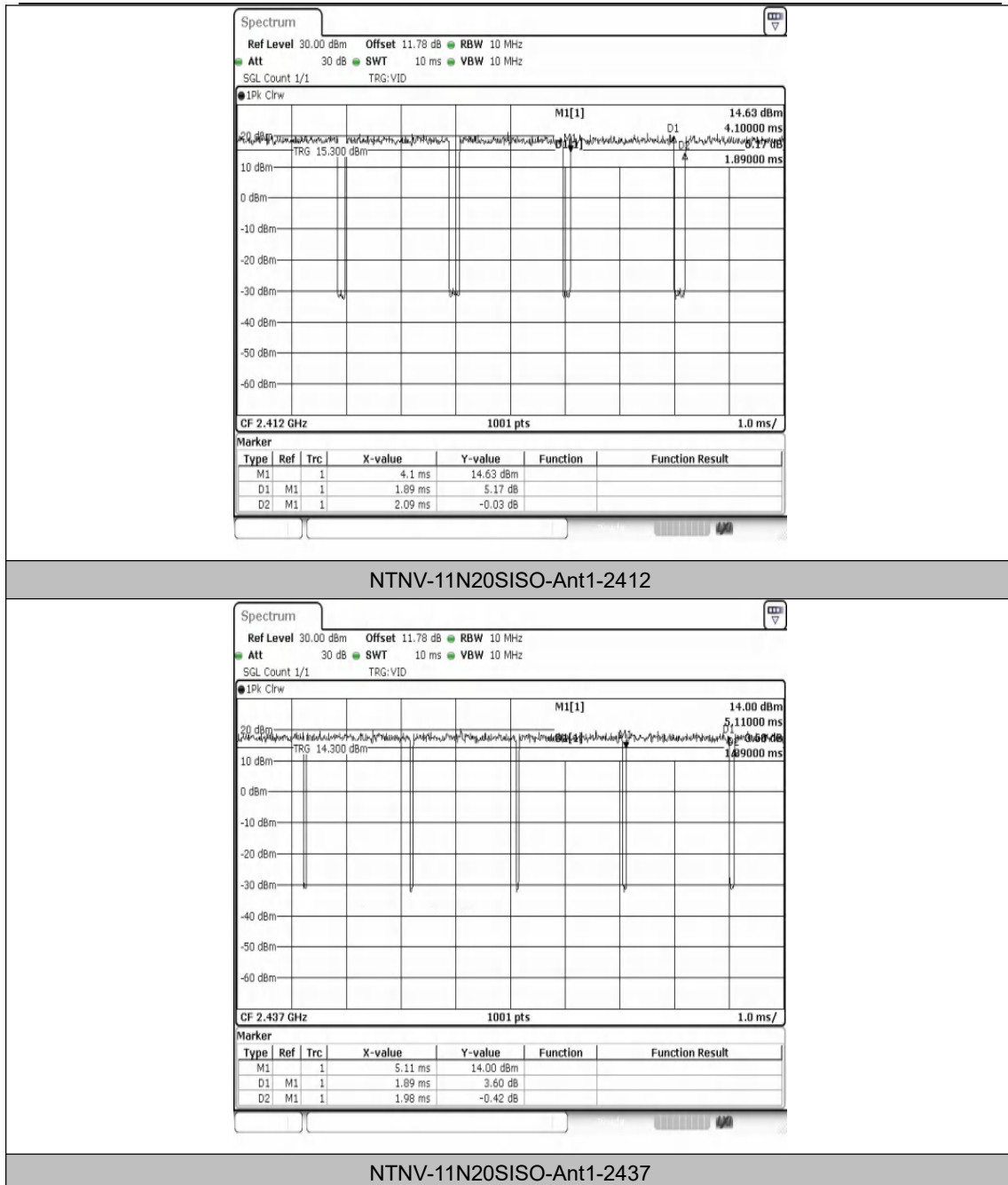
NTNV-11B-Ant1-2462

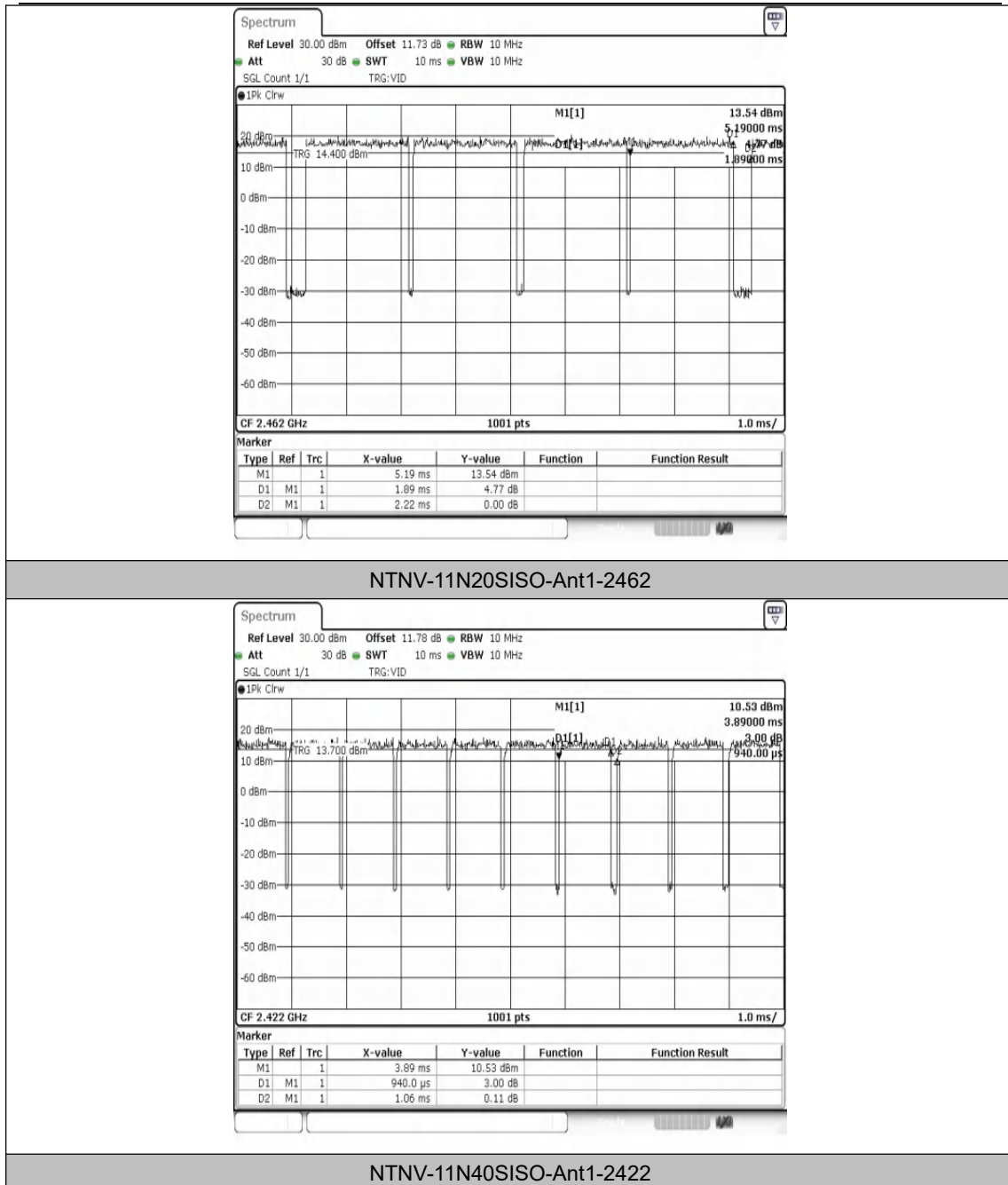


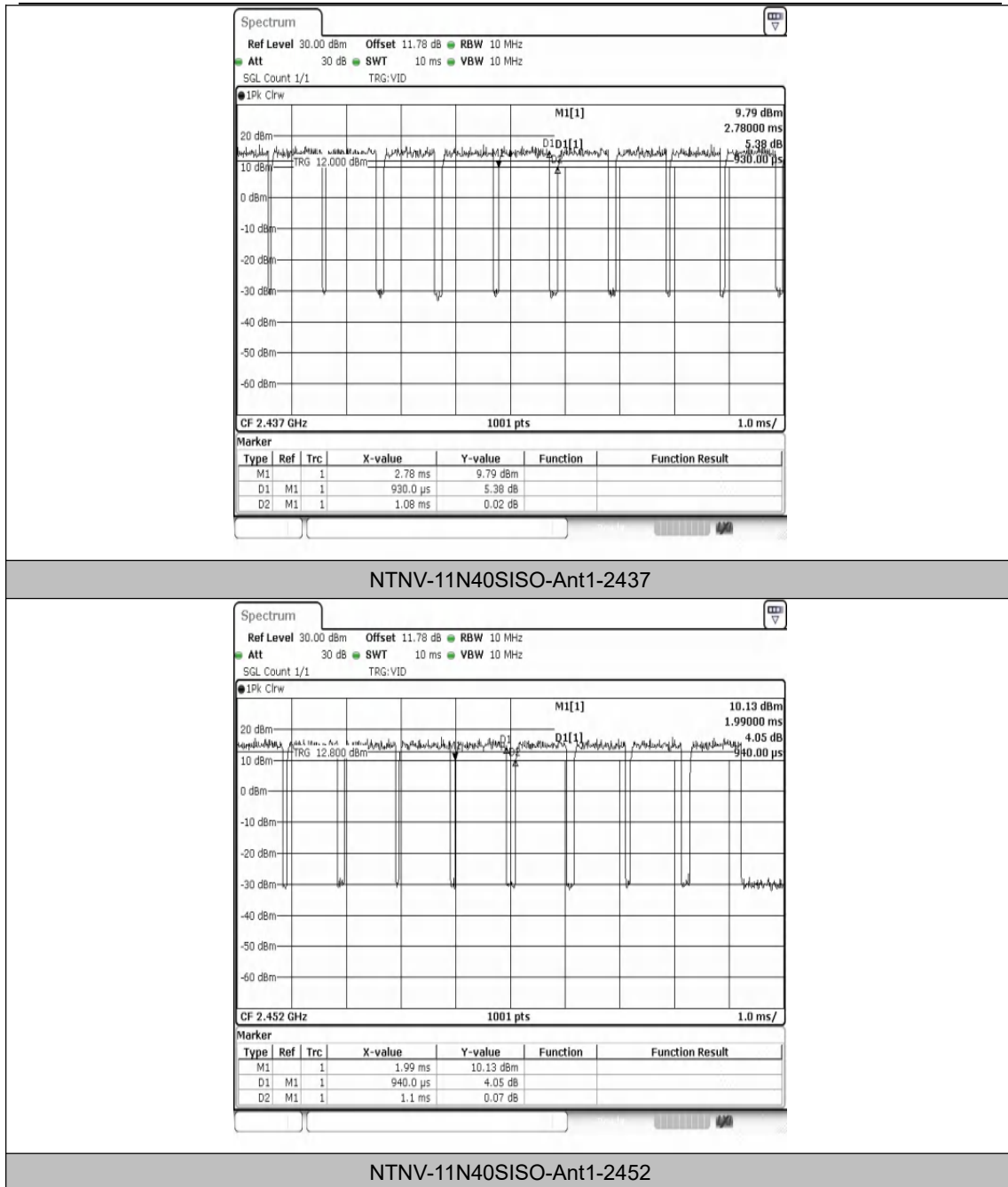
NTNV-11G-Ant1-2412

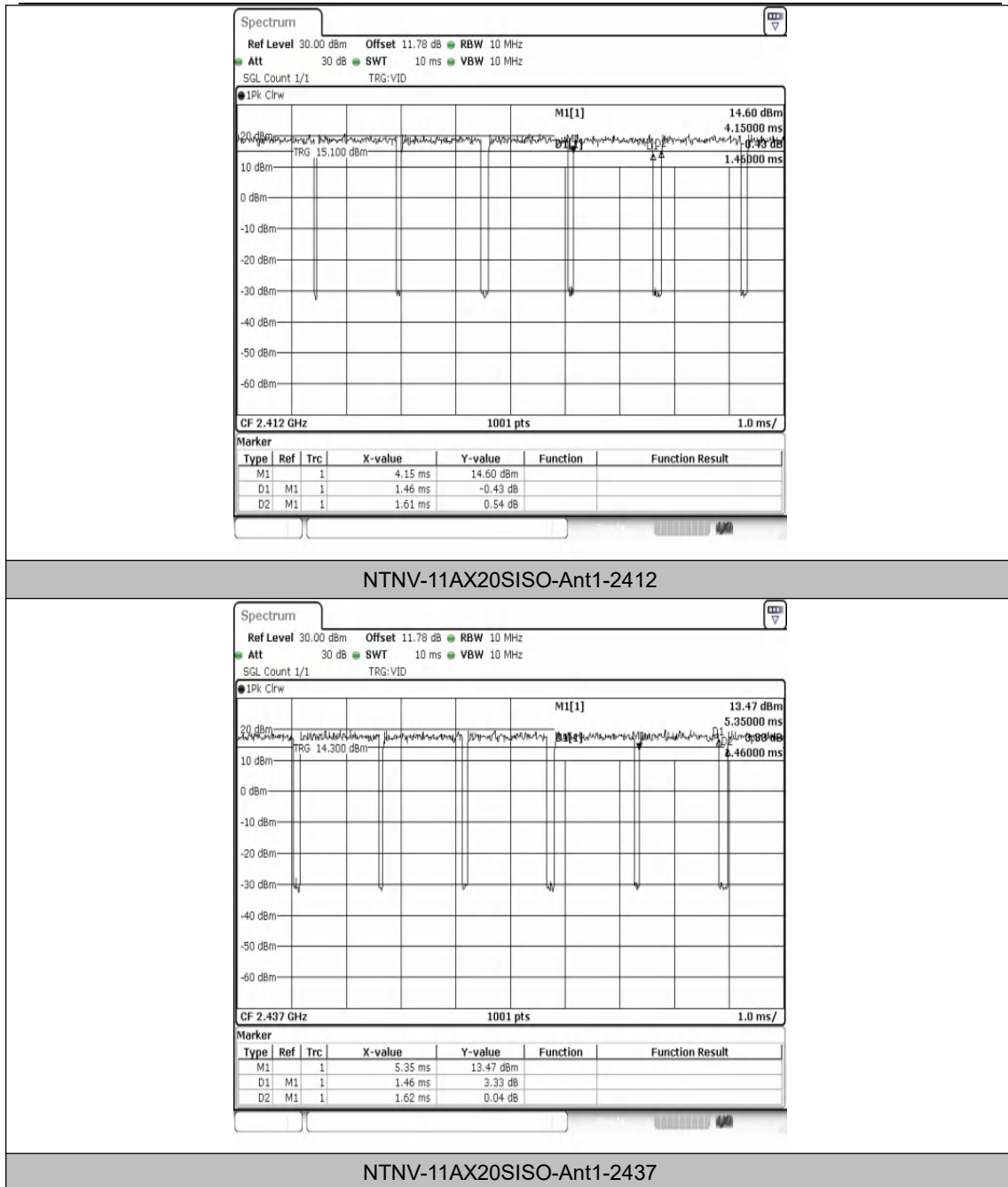


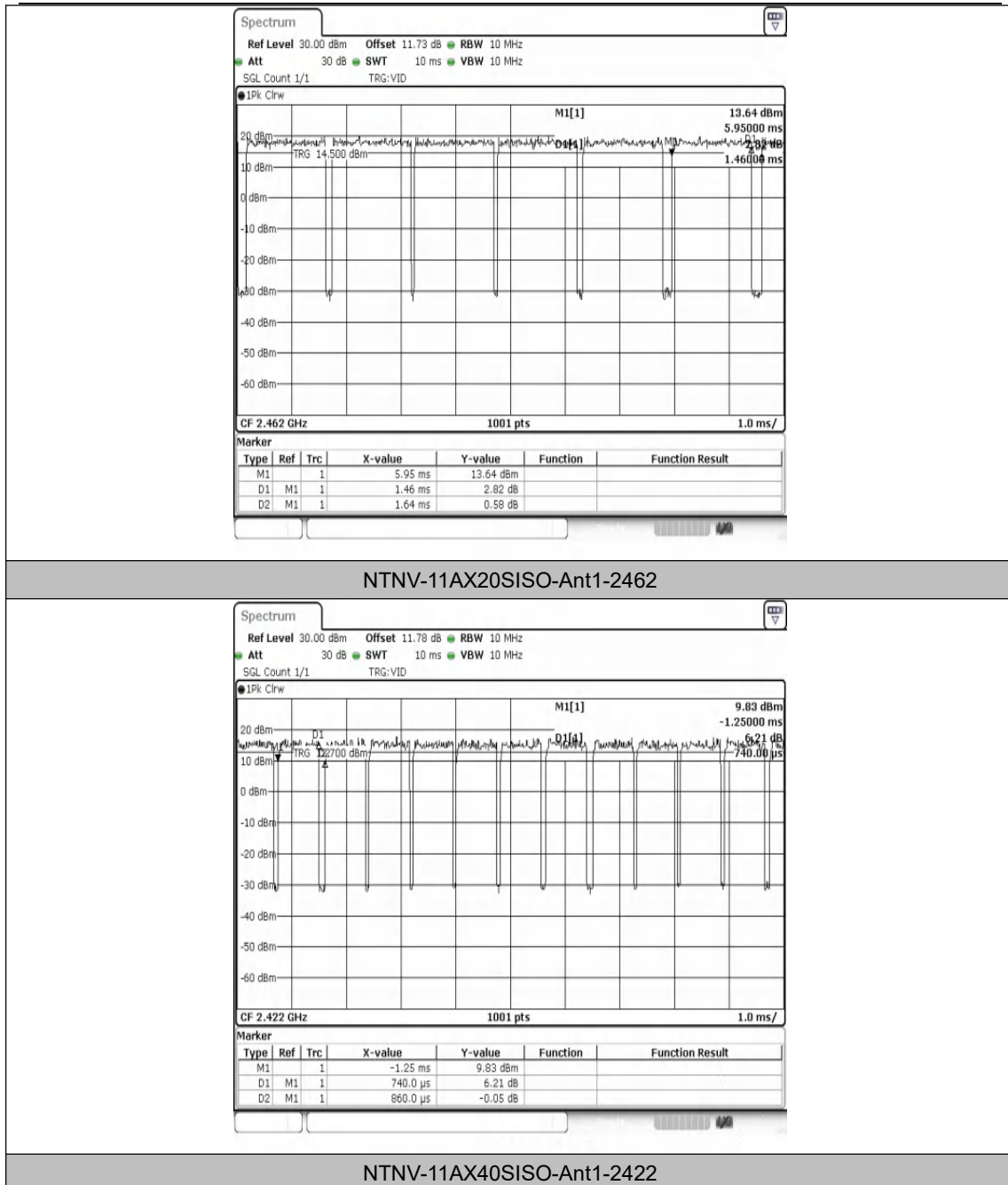


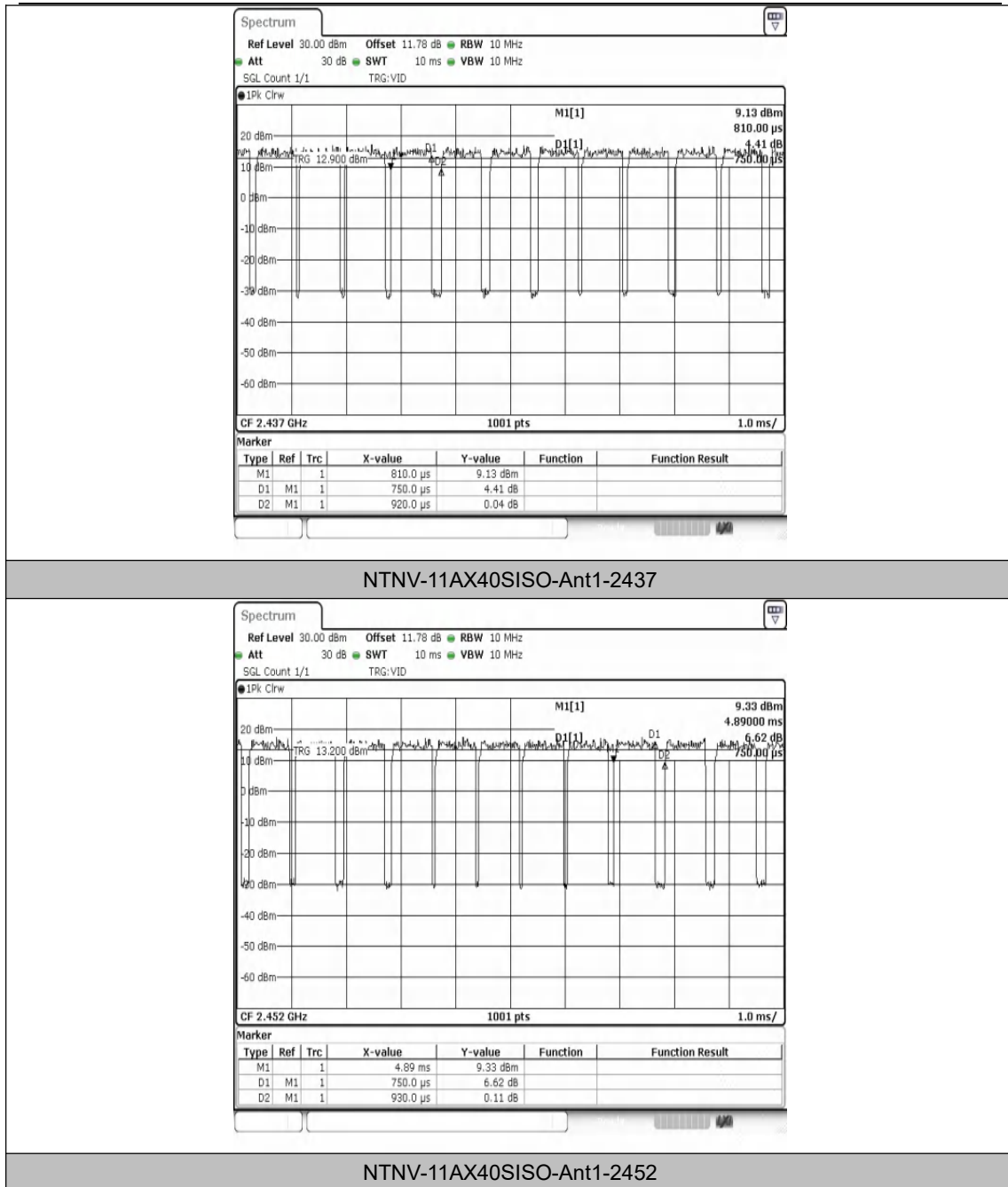












---End---

