

Appendix Test Data

Report No:	182512C400442101	Test Sample NO:	1-2-2
Start Test Date:	2024.9.29	Finish Test Date:	2024.9.29
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.7°C	Relative Humidity:	55%
Pressure:	101 kPa		

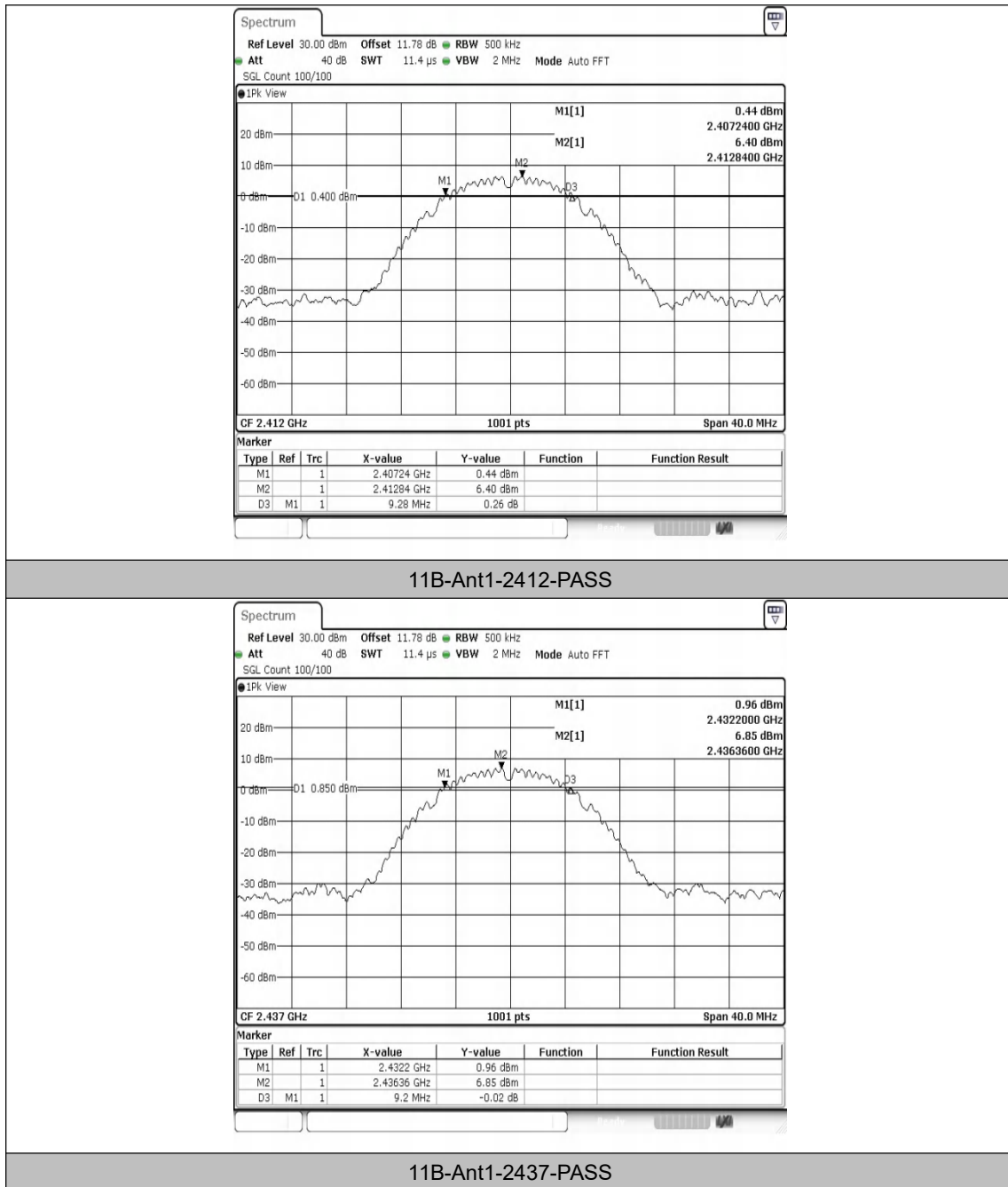
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.28	2407.24	2416.52	0.5	PASS
11B	Ant1	2437	9.20	2432.20	2441.40	0.5	PASS
11B	Ant1	2462	9.32	2457.24	2466.56	0.5	PASS
11G	Ant1	2412	16.52	2403.56	2420.08	0.5	PASS
11G	Ant1	2437	16.60	2428.56	2445.16	0.5	PASS
11G	Ant1	2462	16.48	2453.68	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.00	2420.64	0.5	PASS
11N20SISO	Ant1	2437	17.80	2427.92	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.72	2453.00	2470.72	0.5	PASS



Test Graphs



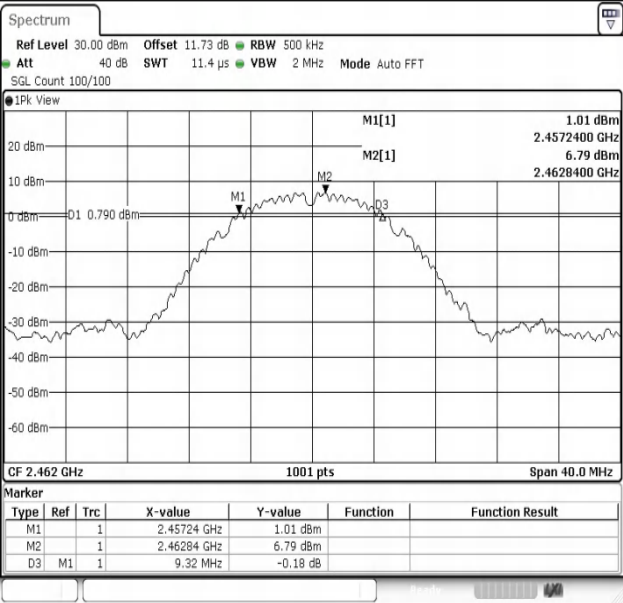
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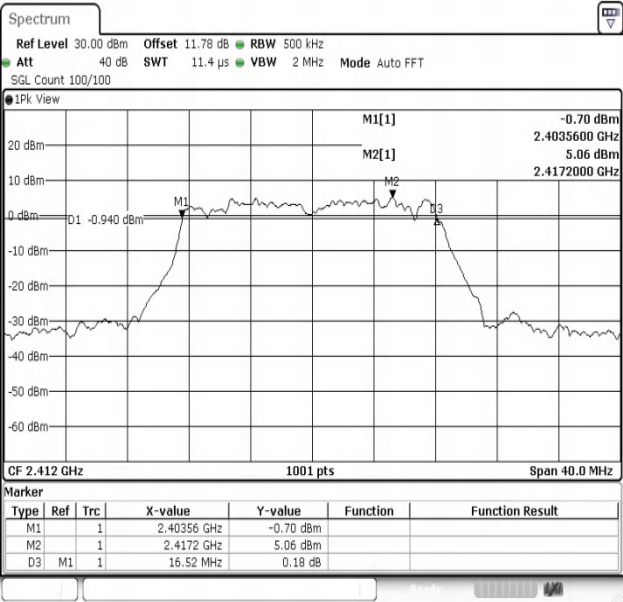


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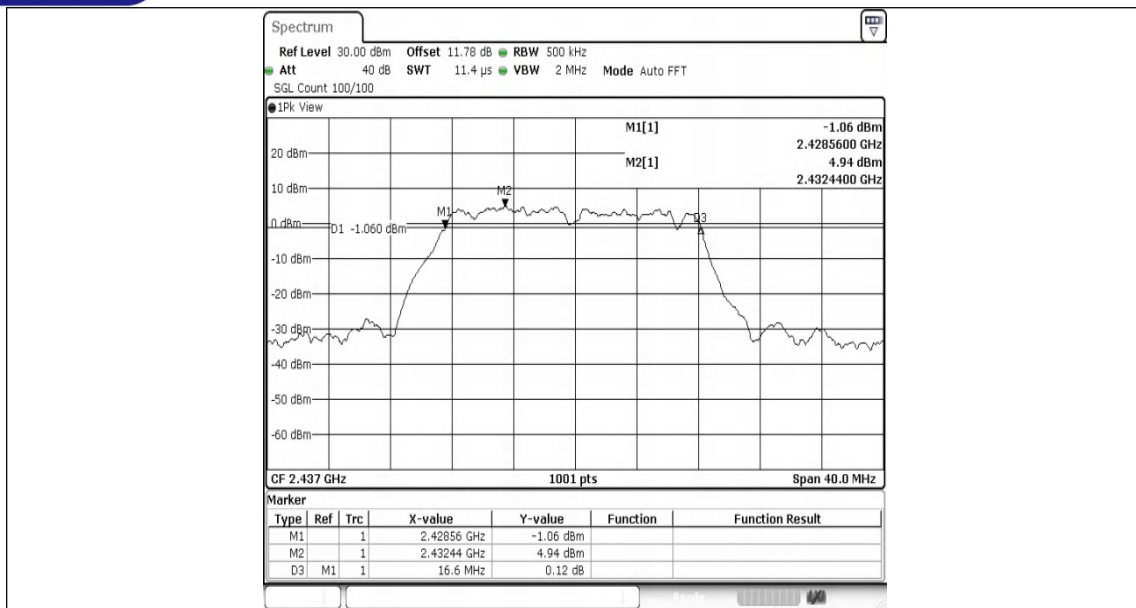


11B-Ant1-2462-PASS

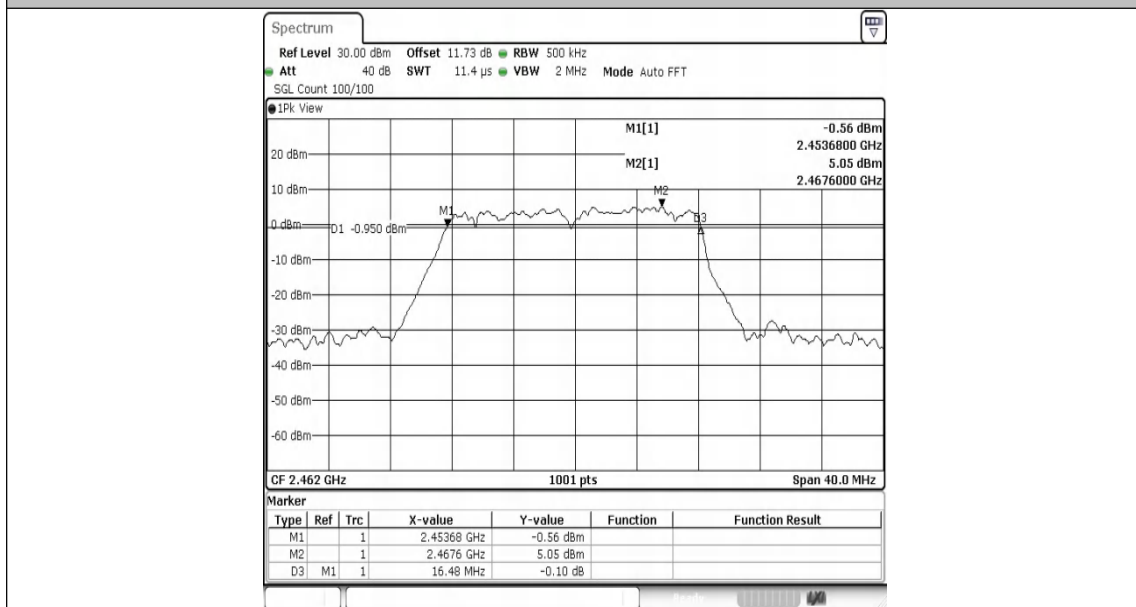


11G-Ant1-2412-PASS



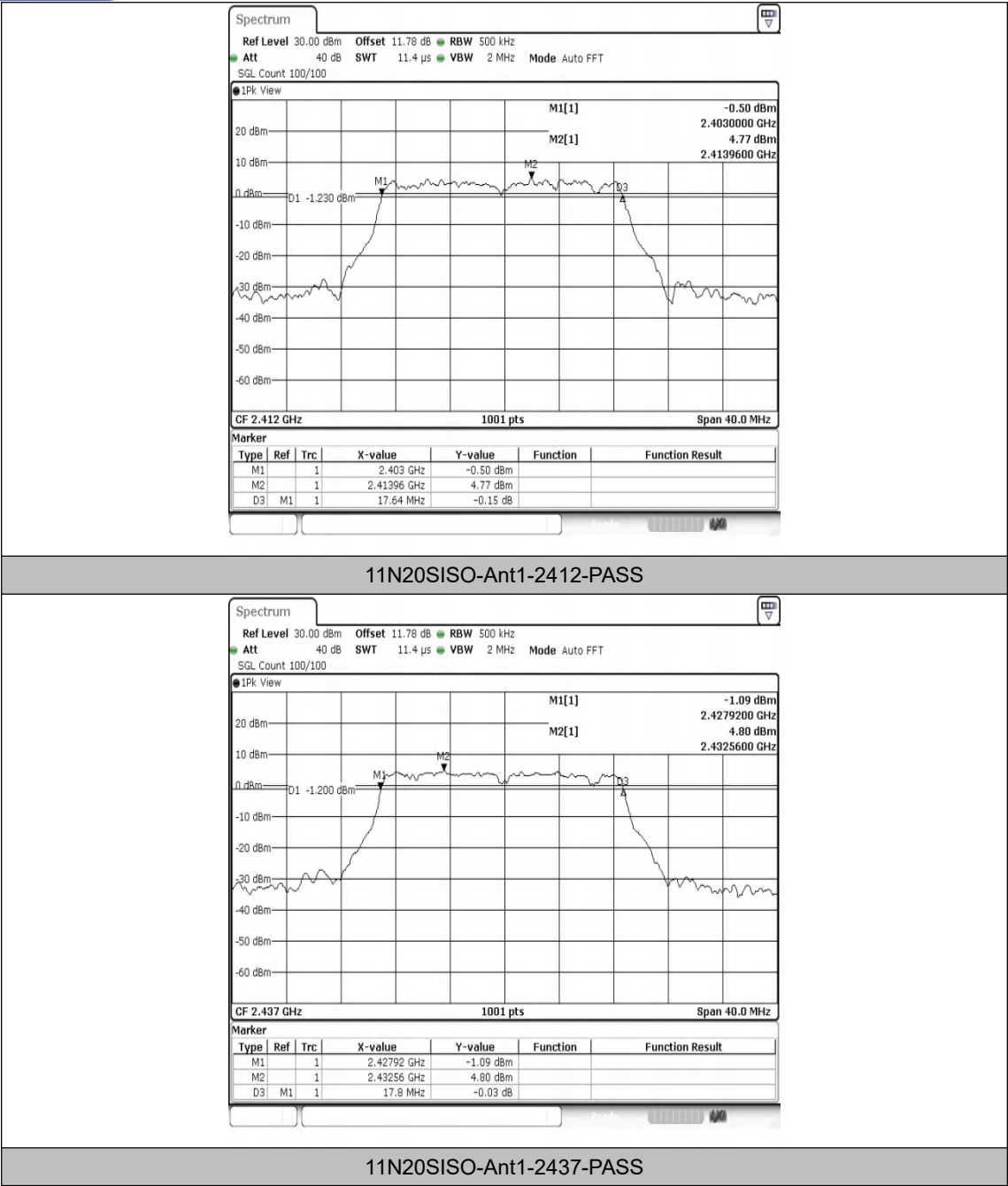


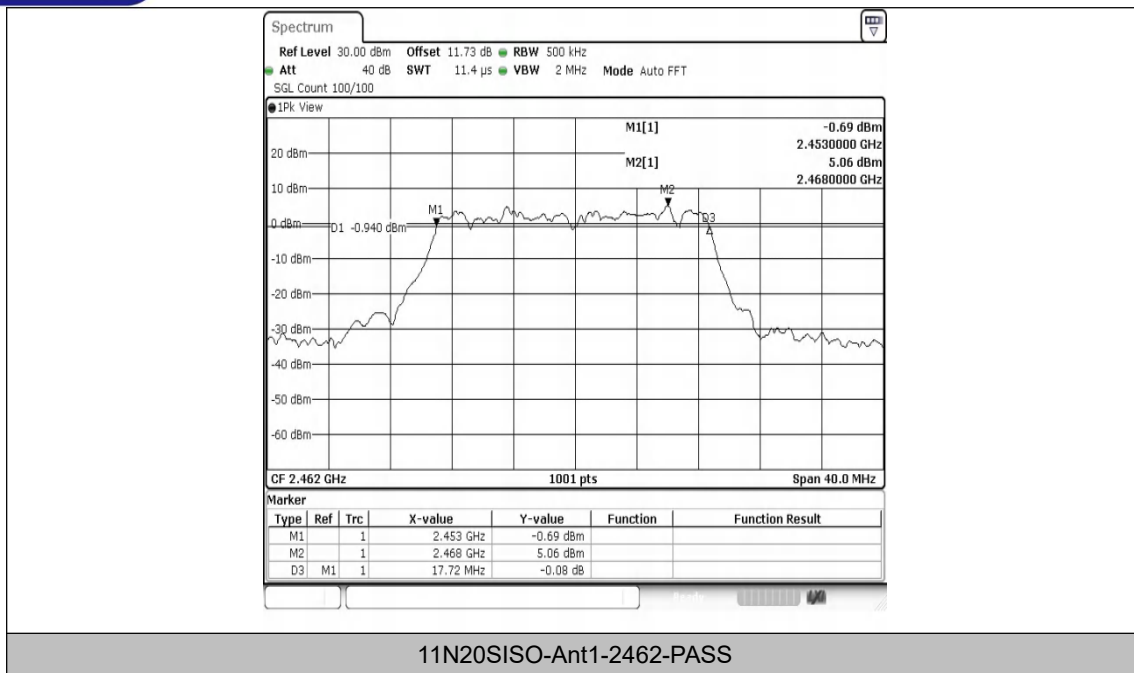
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.107	2405.3666	2418.4735	---	---
11B	Ant1	2437	13.107	2430.2468	2443.3536	---	---
11B	Ant1	2462	13.227	2455.3267	2468.5534	---	---
11G	Ant1	2412	16.943	2403.4086	2420.3516	---	---
11G	Ant1	2437	16.983	2428.2488	2445.2318	---	---
11G	Ant1	2462	16.943	2453.2887	2470.2318	---	---
11N20SISO	Ant1	2412	17.942	2402.8492	2420.7912	---	---
11N20SISO	Ant1	2437	18.102	2427.8891	2445.9910	---	---
11N20SISO	Ant1	2462	18.022	2452.9690	2470.9910	---	---

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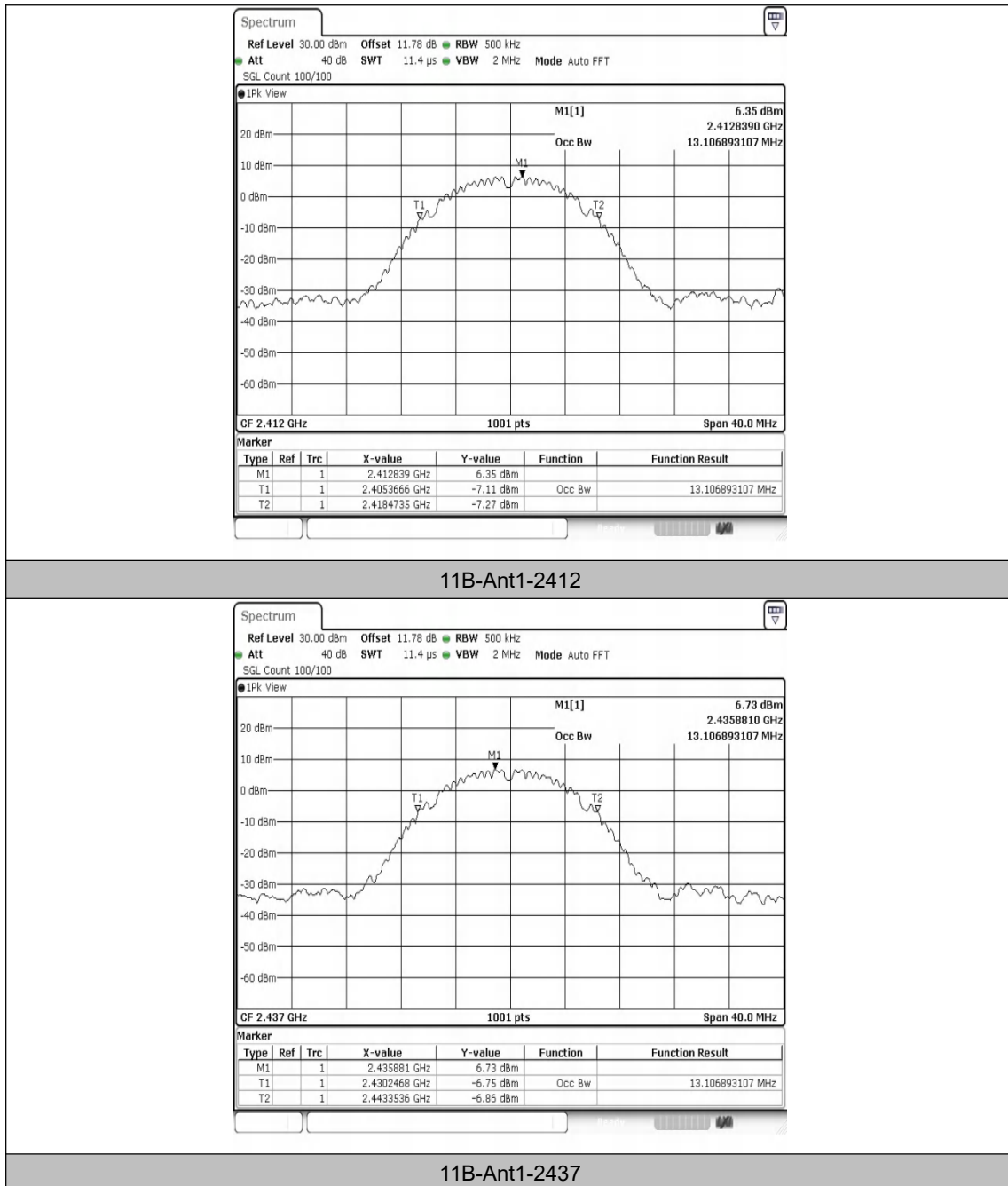
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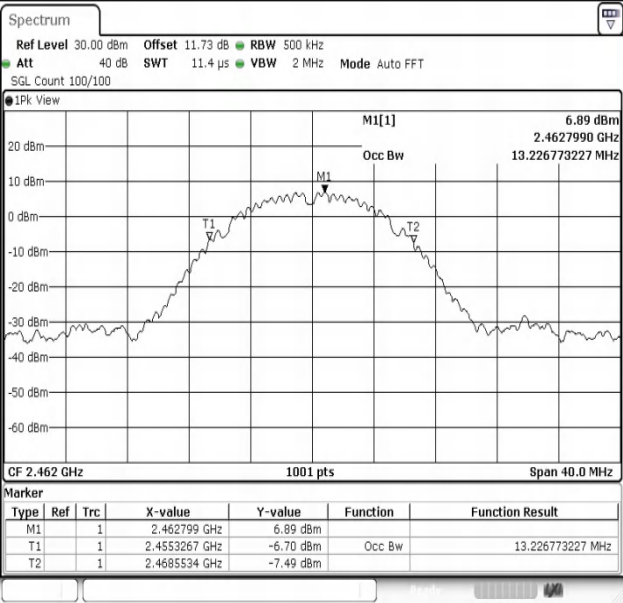


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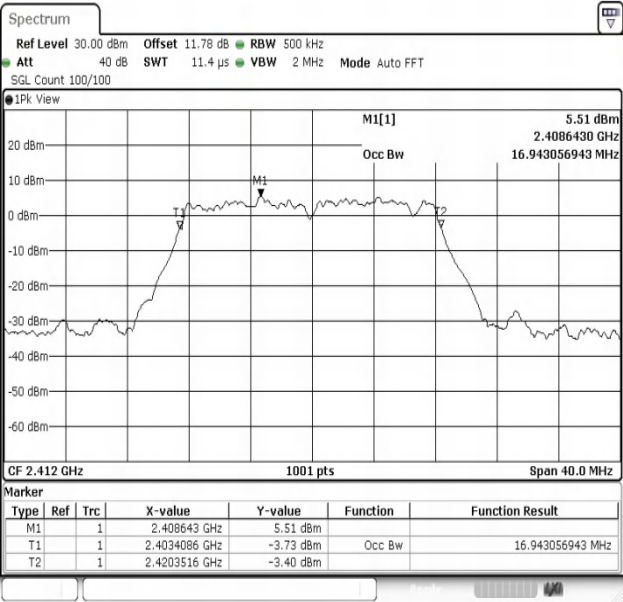


Test Graphs



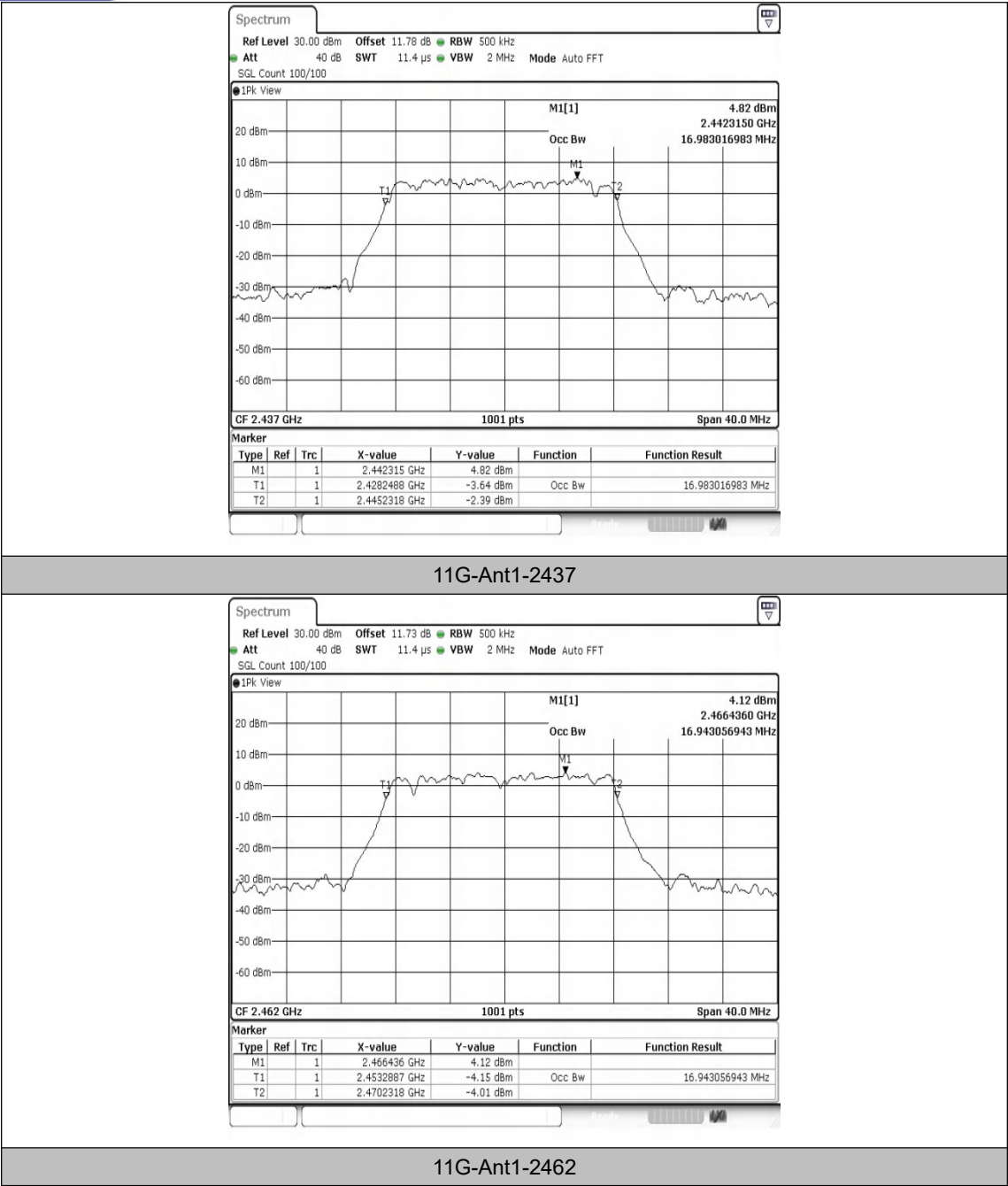


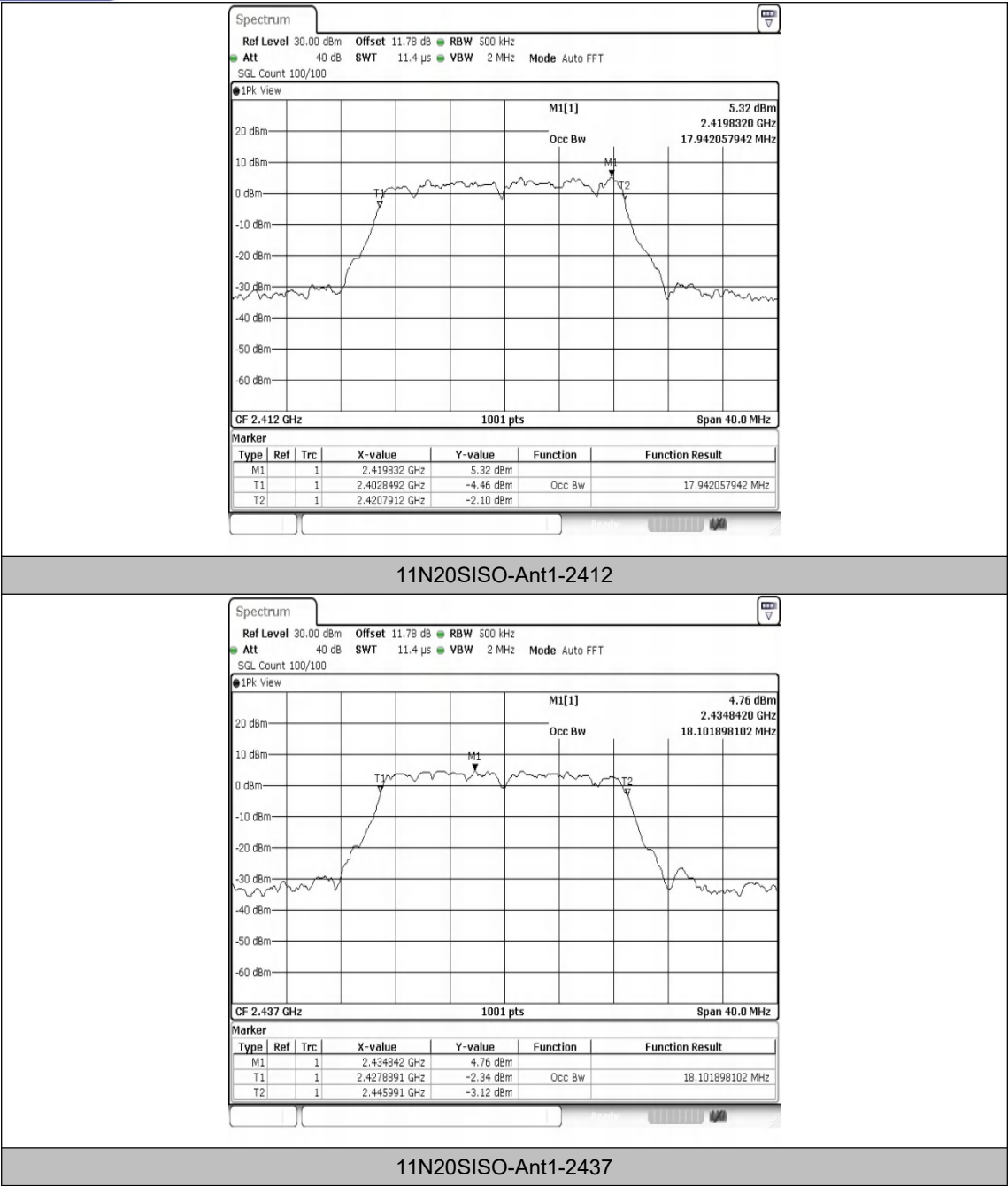
11B-Ant1-2462



11G-Ant1-2412









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Appendix C: Maximum conducted output power

Test Result Average

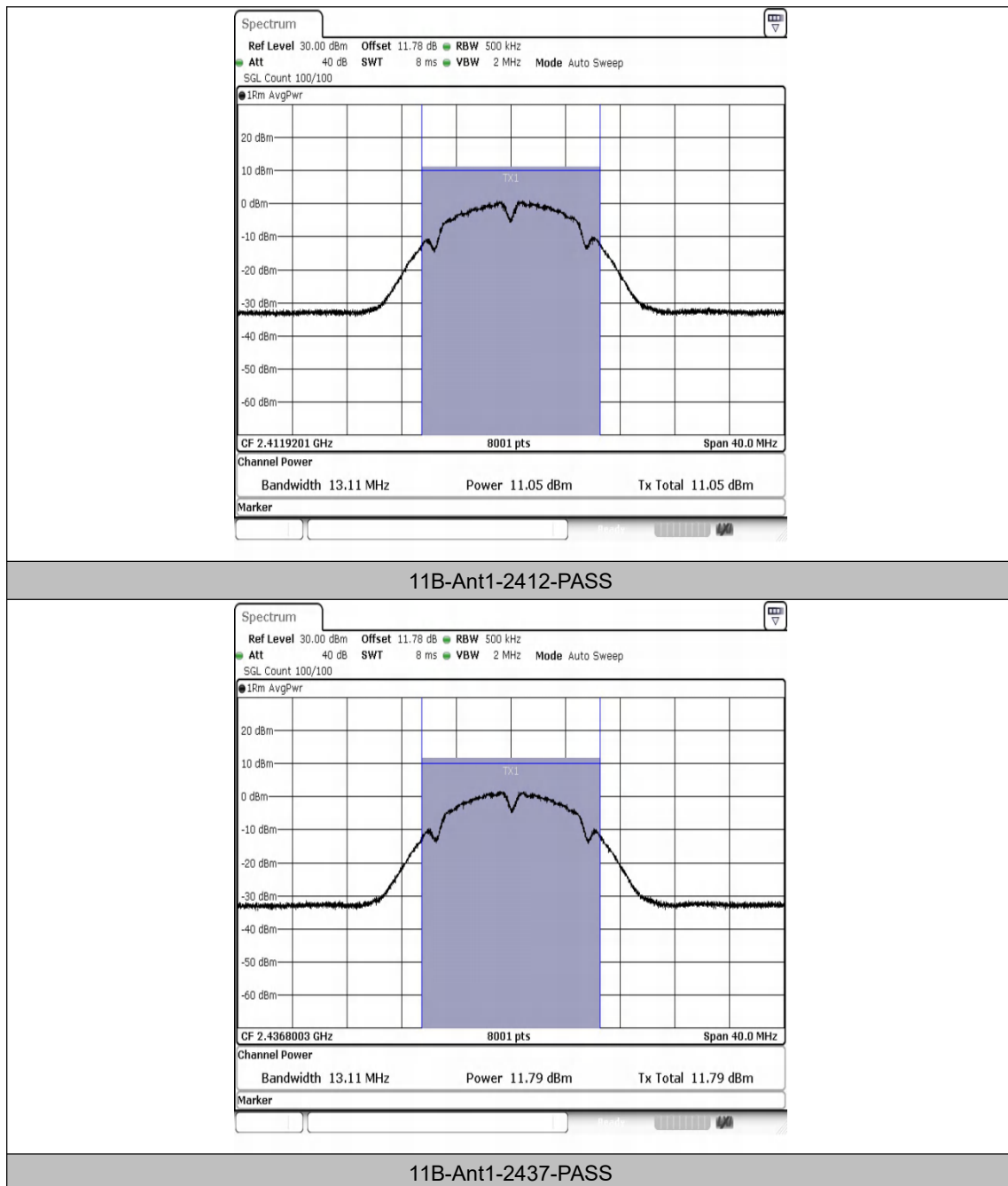
Test Mode	Antenna	Frequency[MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	11.05	50.15	3.00	14.05	≤30.00	PASS
11B	Ant1	2437	NA	11.79	49.85	3.02	14.81	≤30.00	PASS
11B	Ant1	2462	NA	11.40	50.15	3.00	14.40	≤30.00	PASS
11G	Ant1	2412	NA	9.79	49.51	3.05	12.84	≤30.00	PASS
11G	Ant1	2437	NA	9.86	49.63	3.04	12.90	≤30.00	PASS
11G	Ant1	2462	NA	9.63	42.08	3.76	13.39	≤30.00	PASS
11N20SISO	Ant1	2412	NA	10.11	50.40	2.98	13.09	≤30.00	PASS
11N20SISO	Ant1	2437	NA	10.48	50.40	2.98	13.46	≤30.00	PASS
11N20SISO	Ant1	2462	NA	9.81	50.53	2.96	12.77	≤30.00	PASS

Note:

1. The cable loss are compensated in the graph



Test Graphs Average

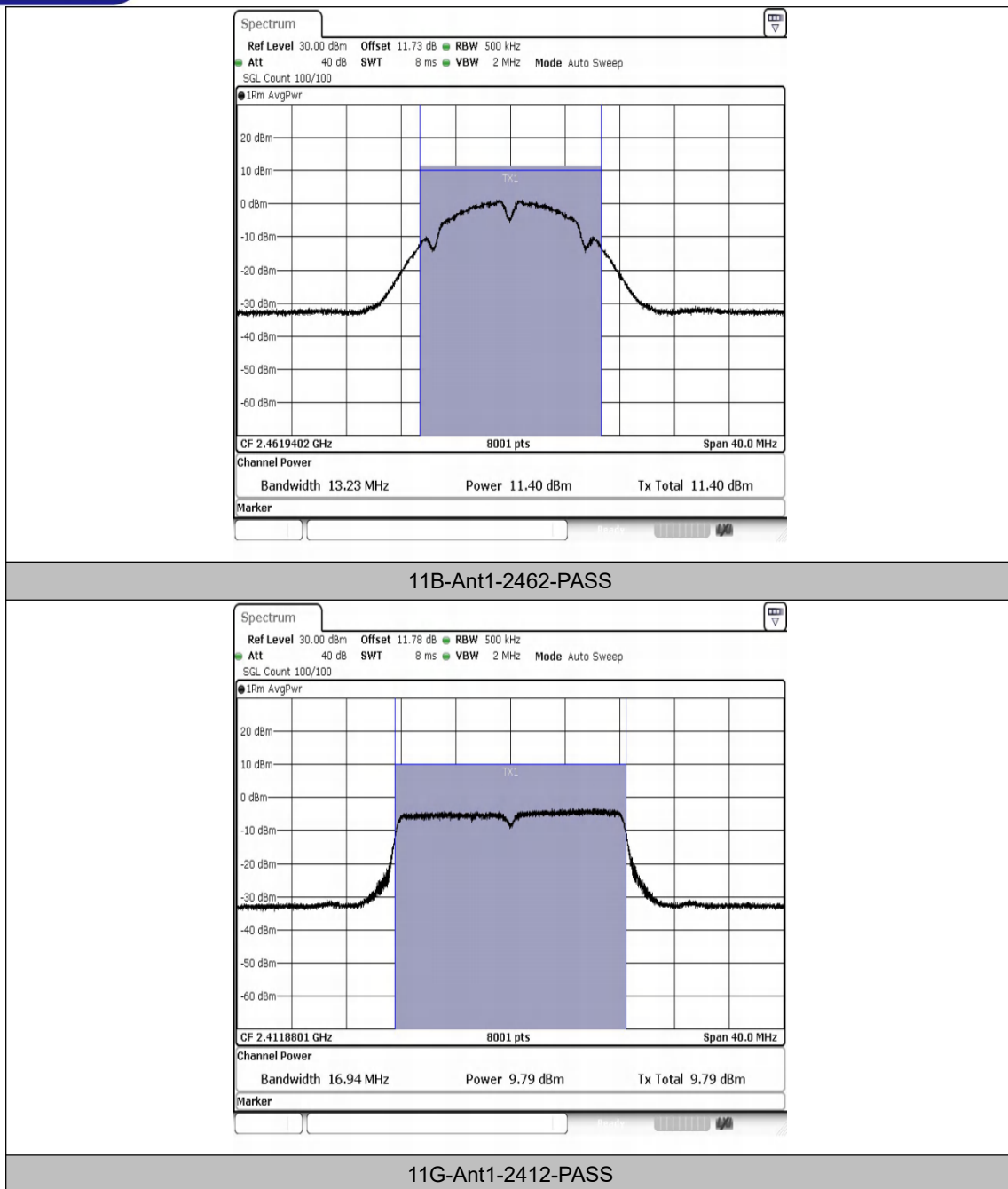


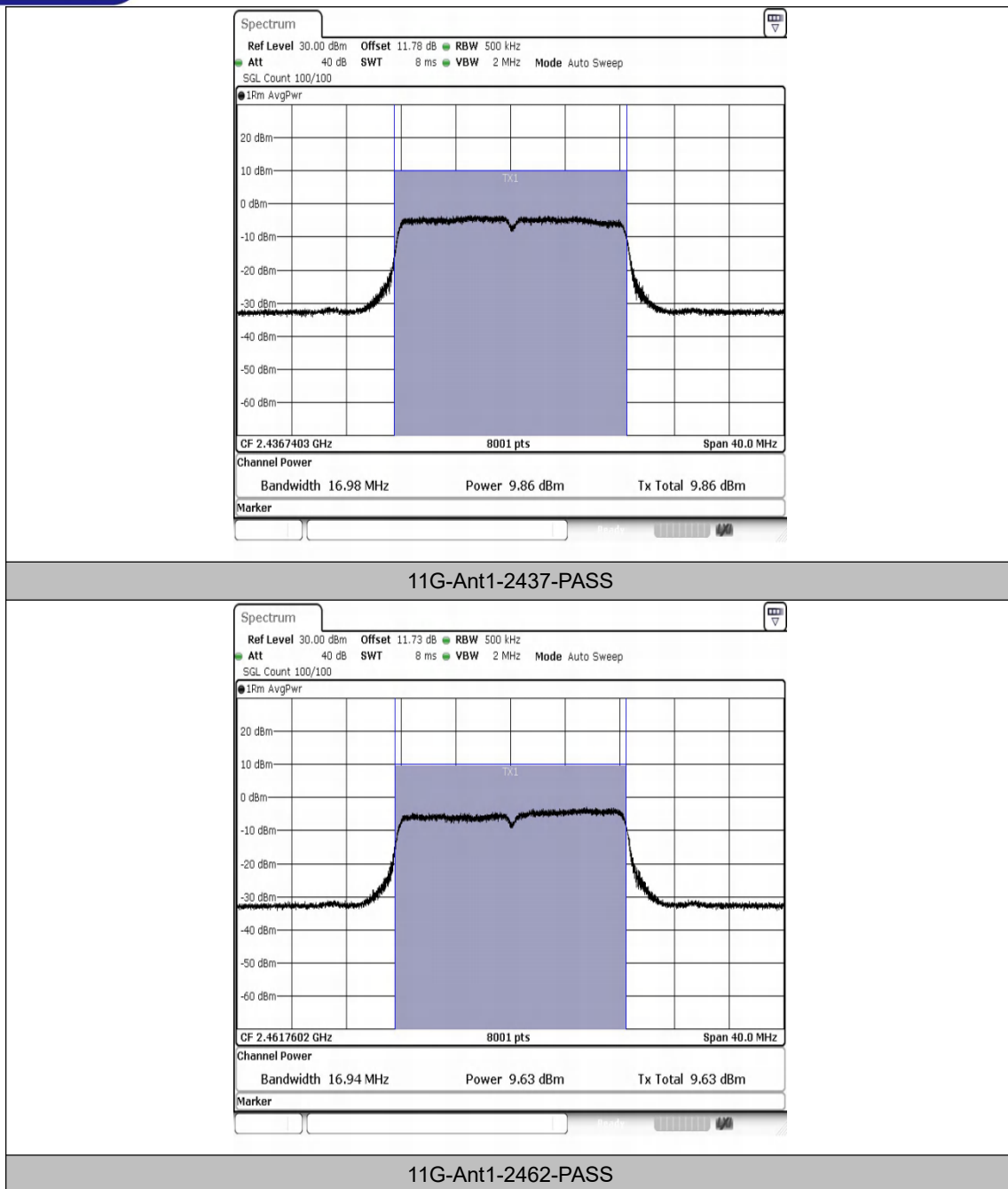
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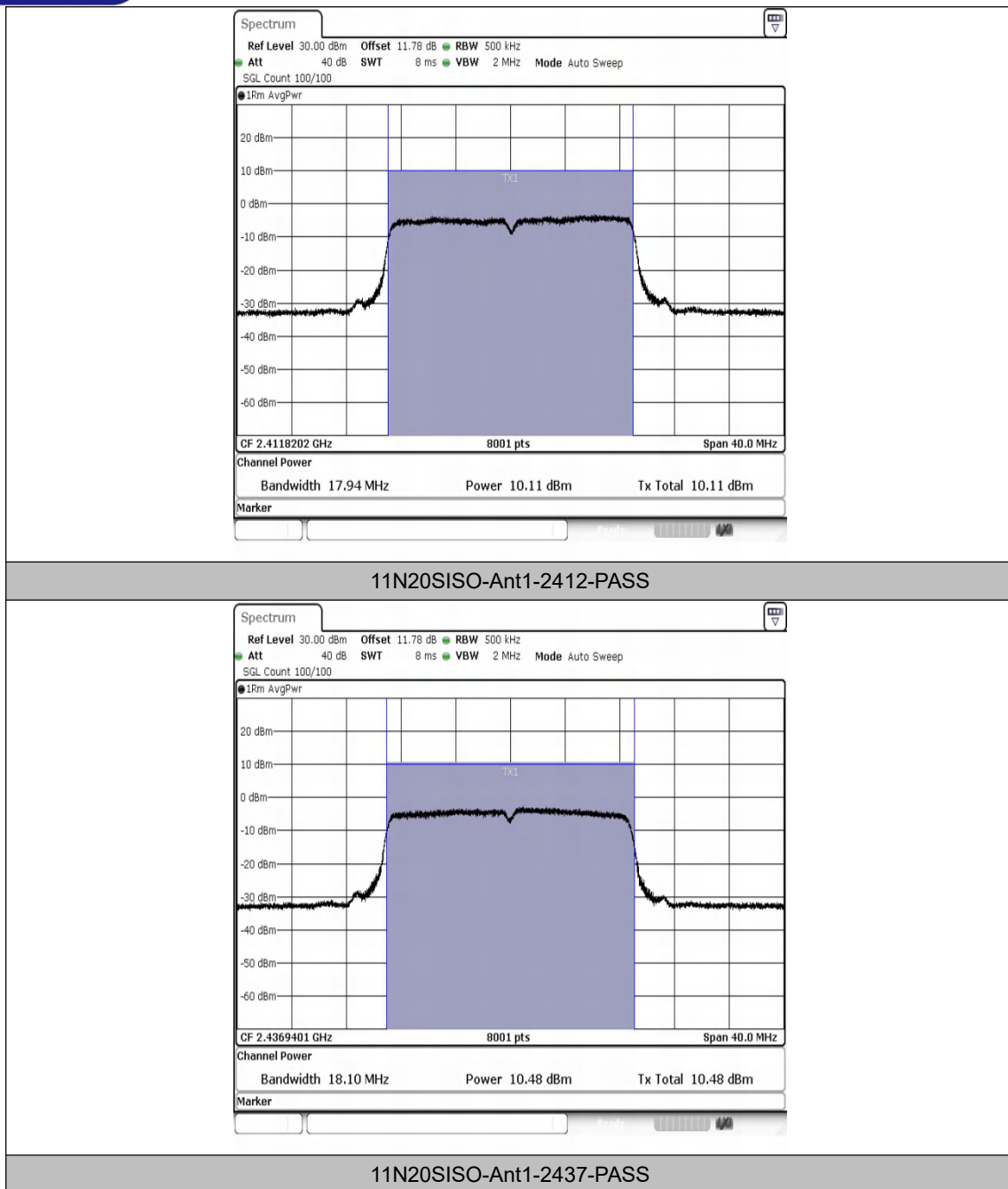


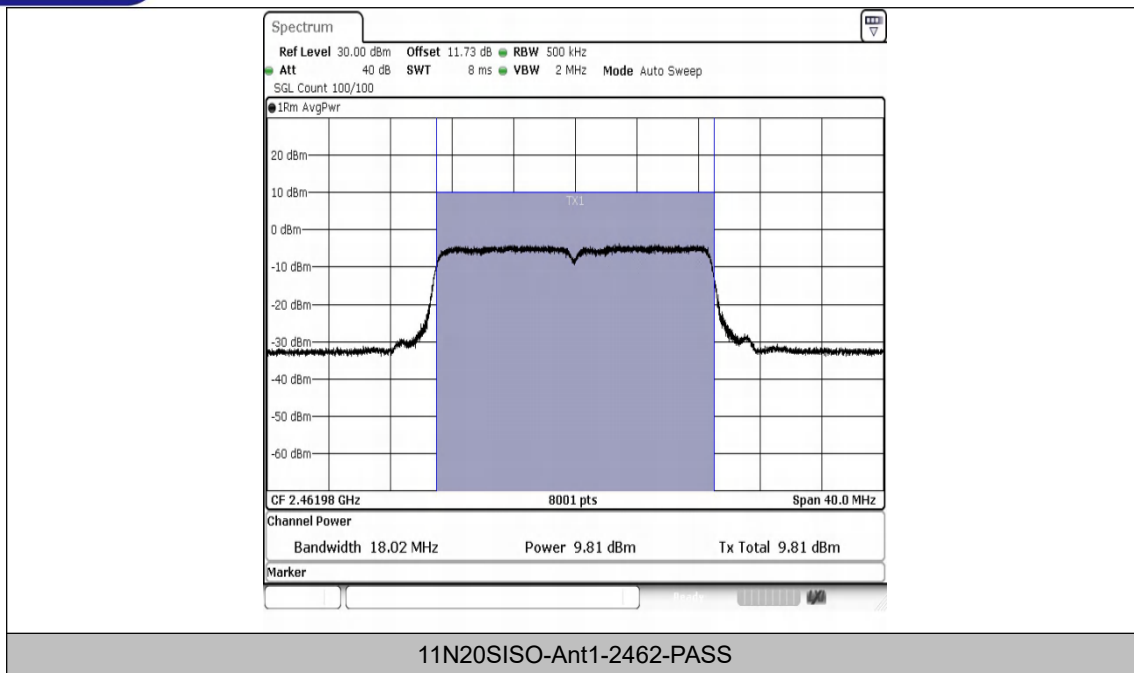
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Appendix D: Maximum power spectral density

Test Result

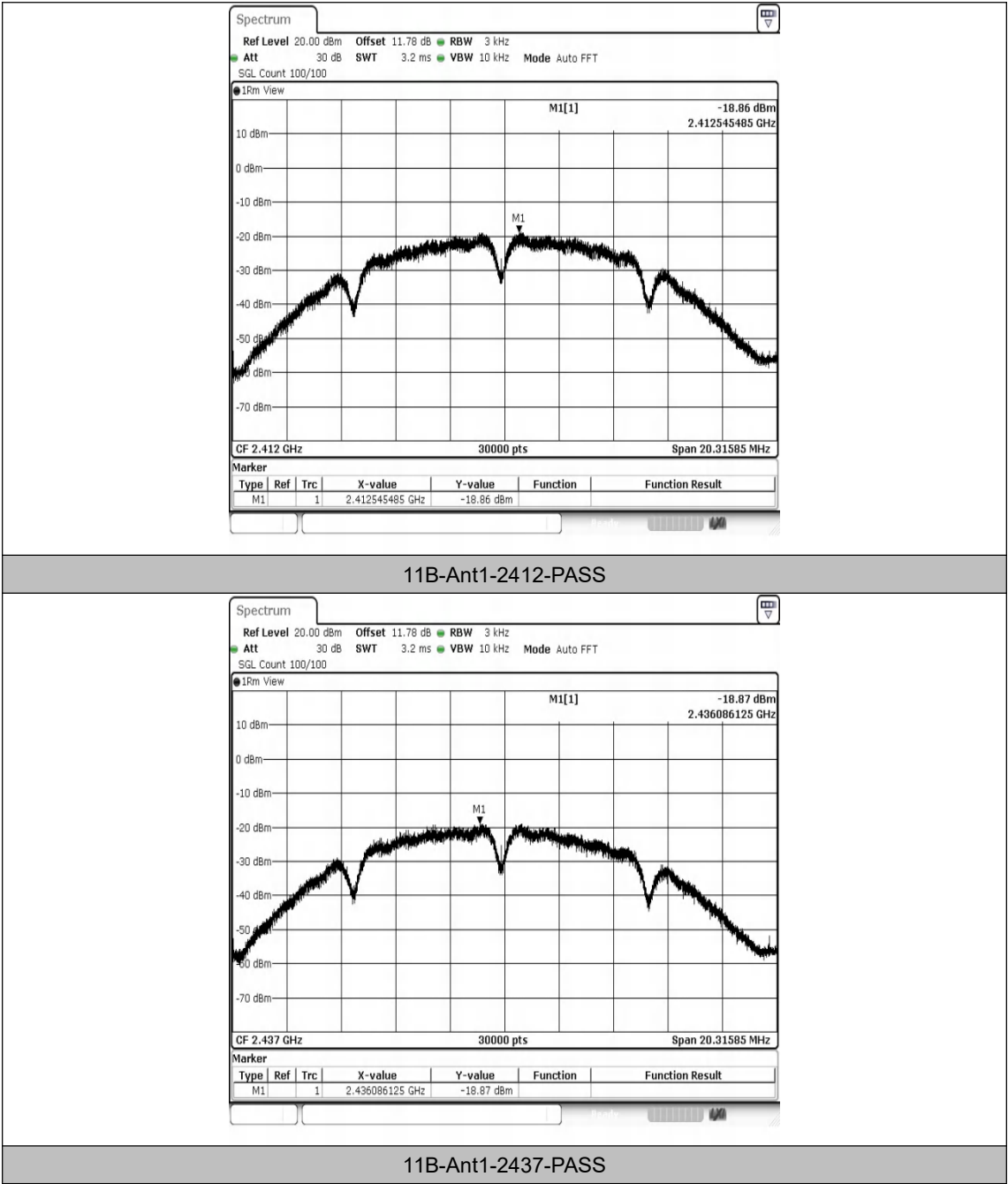
TestMode	Antenna	Frequency[MHz]	Reading Result[dB m/3kHz]	DC Factor [dB]	Result[dB m/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.86	3.00	-15.86	≤8.00	PASS
11B	Ant1	2437	-18.87	3.02	-15.85	≤8.00	PASS
11B	Ant1	2462	-18.26	3.00	-15.26	≤8.00	PASS
11G	Ant1	2412	-20.64	3.05	-17.59	≤8.00	PASS
11G	Ant1	2437	-21.08	3.04	-18.04	≤8.00	PASS
11G	Ant1	2462	-21.57	3.76	-17.81	≤8.00	PASS
11N20SISO	Ant1	2412	-19.68	2.98	-16.70	≤8.00	PASS
11N20SISO	Ant1	2437	-21.46	2.98	-18.48	≤8.00	PASS
11N20SISO	Ant1	2462	-20.51	2.96	-17.55	≤8.00	PASS

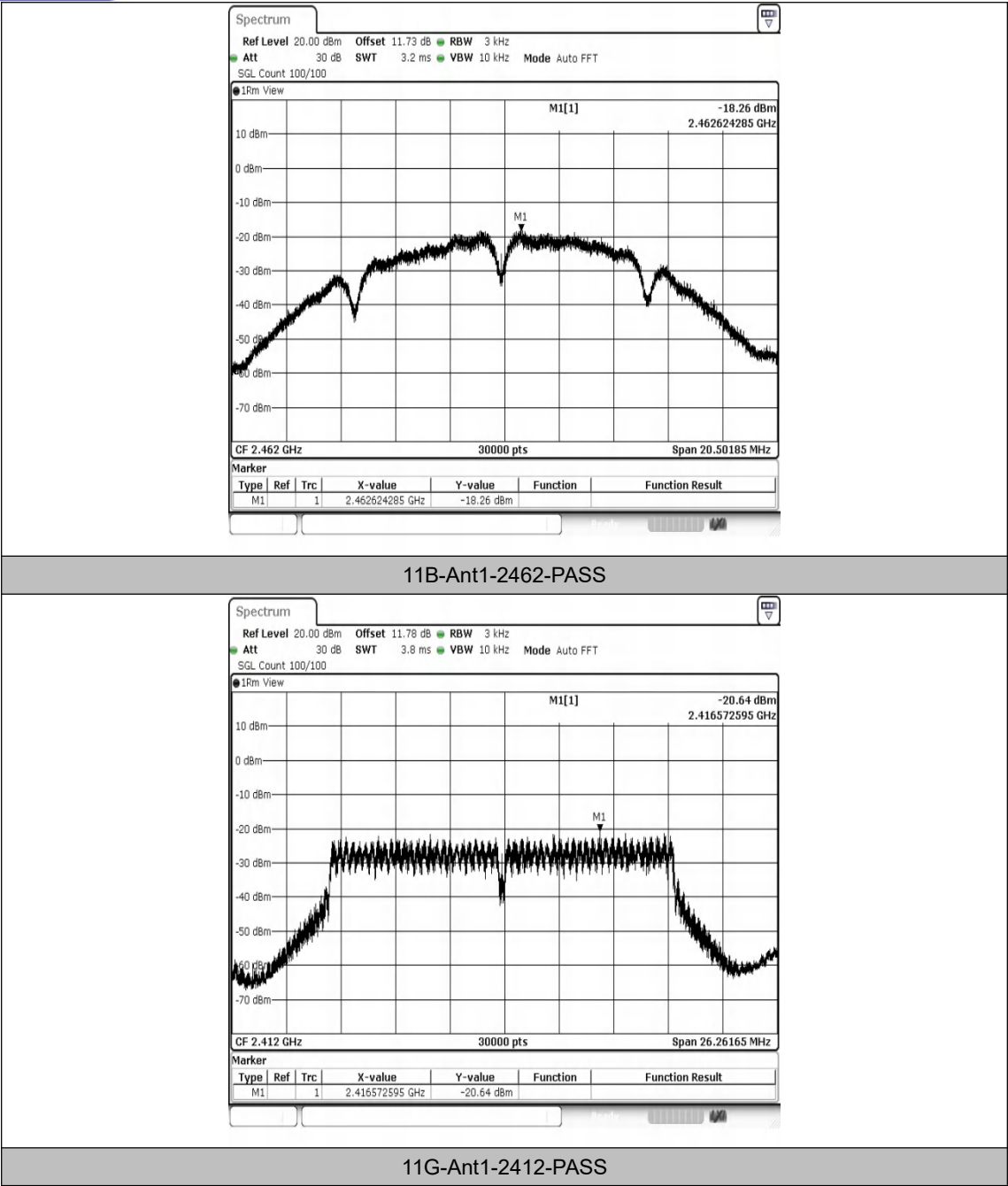
Note:

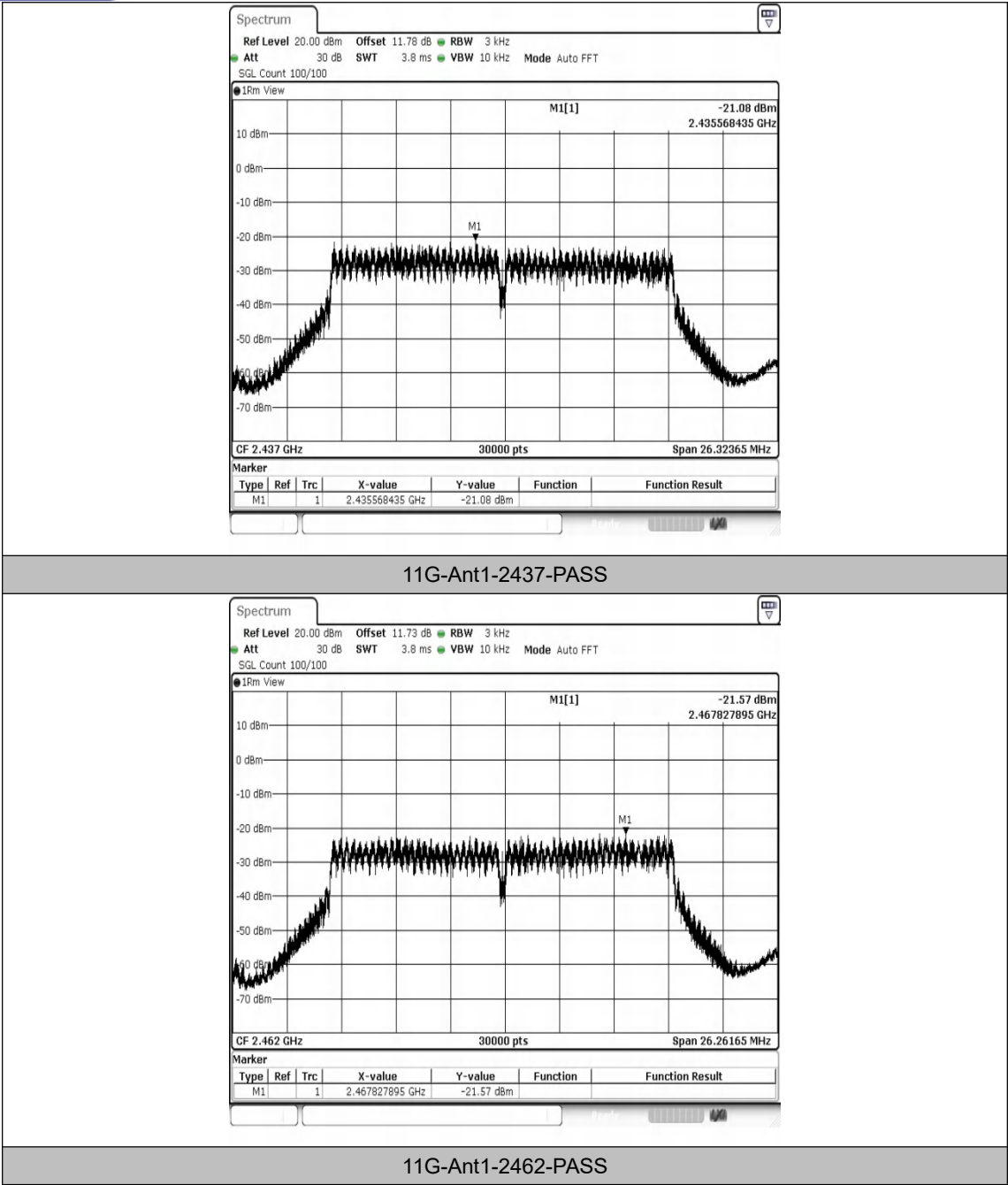
1. The cable loss are compensated in the graph.

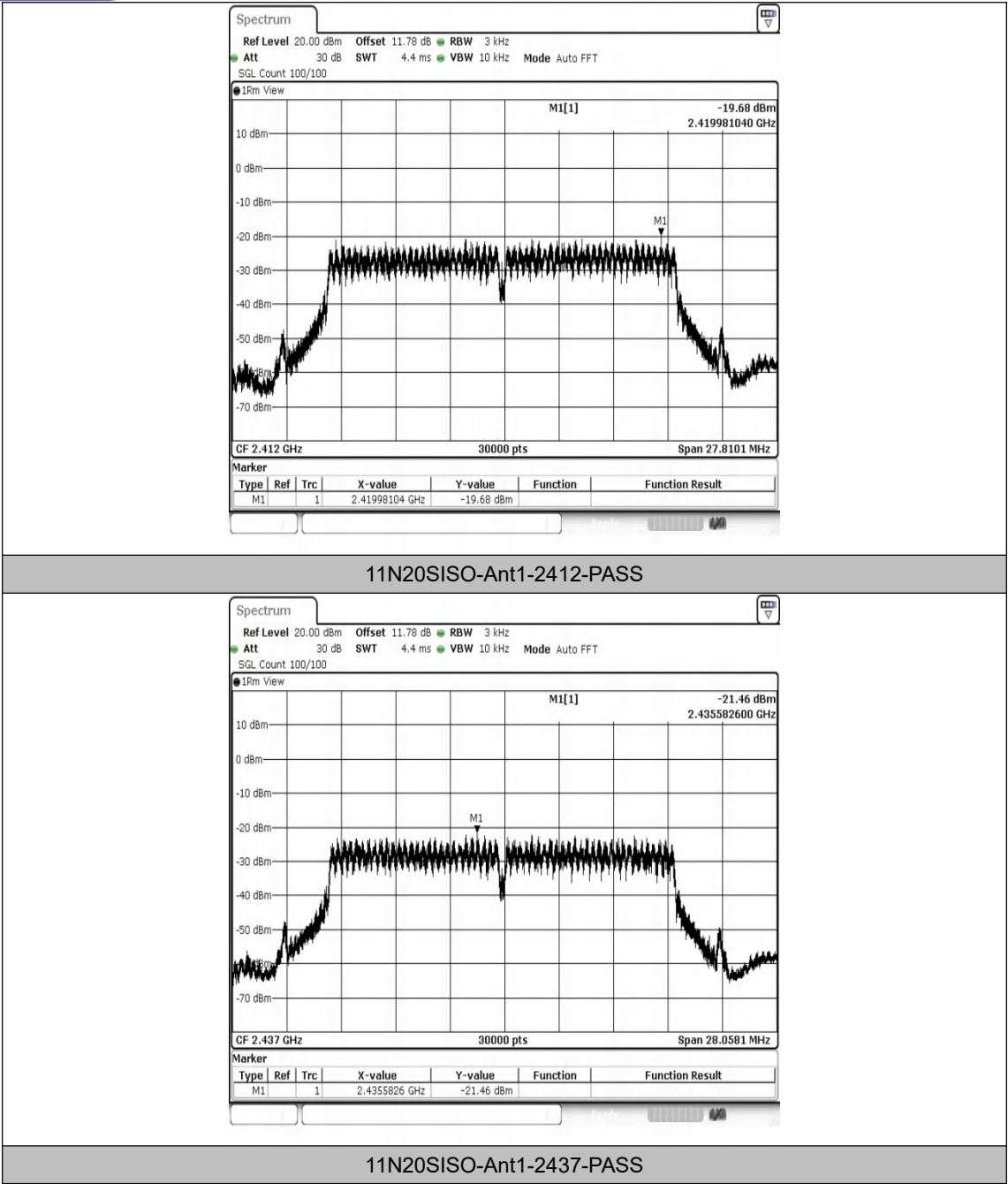


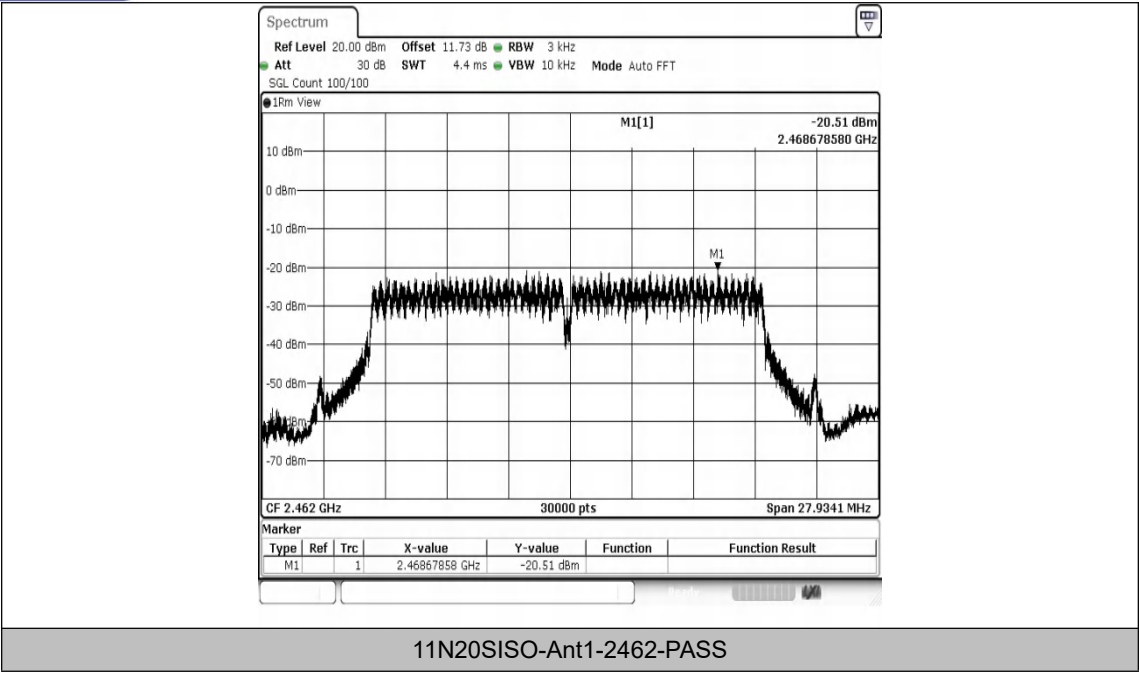
Test Graphs











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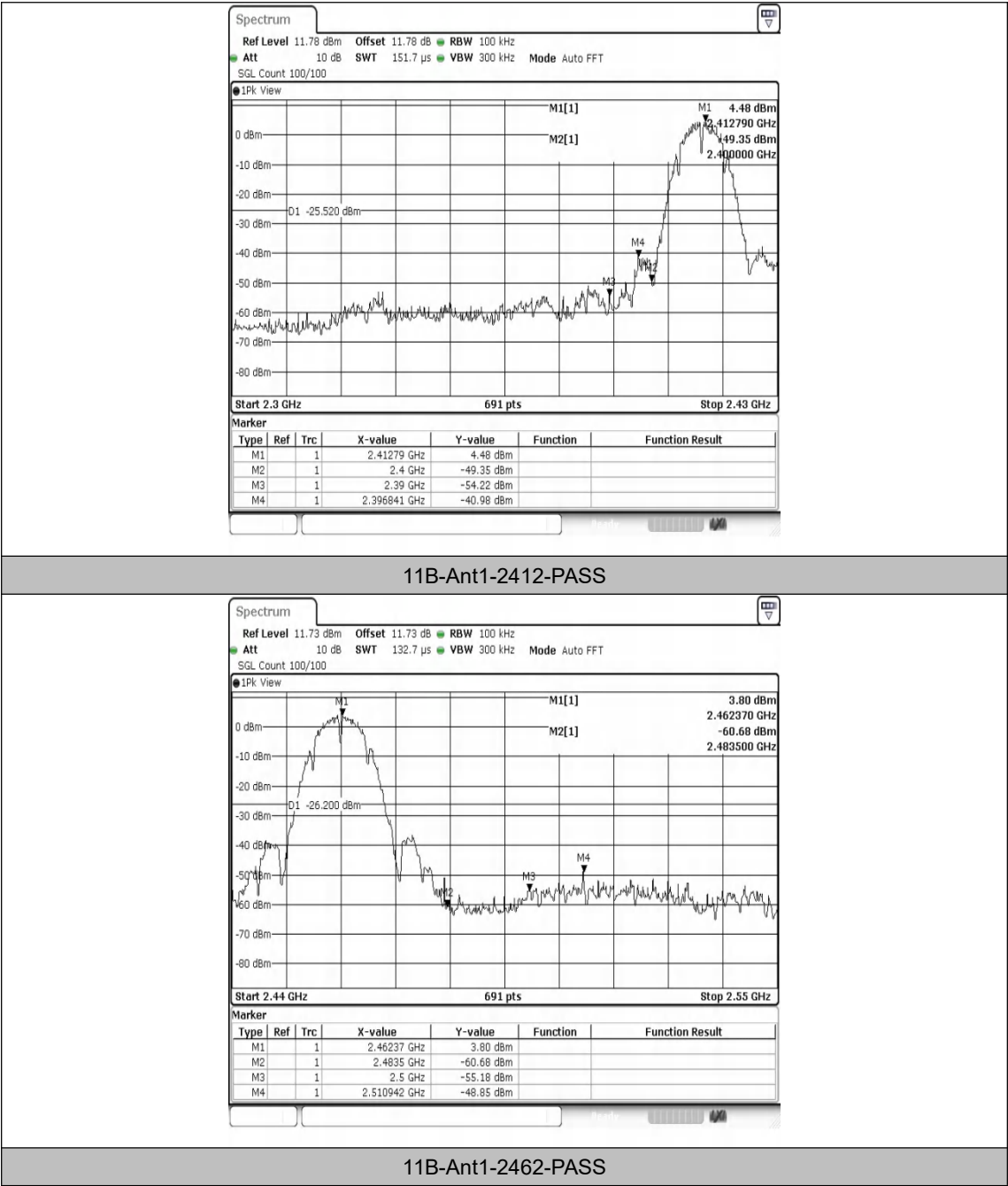
Appendix E: Band edge measurements

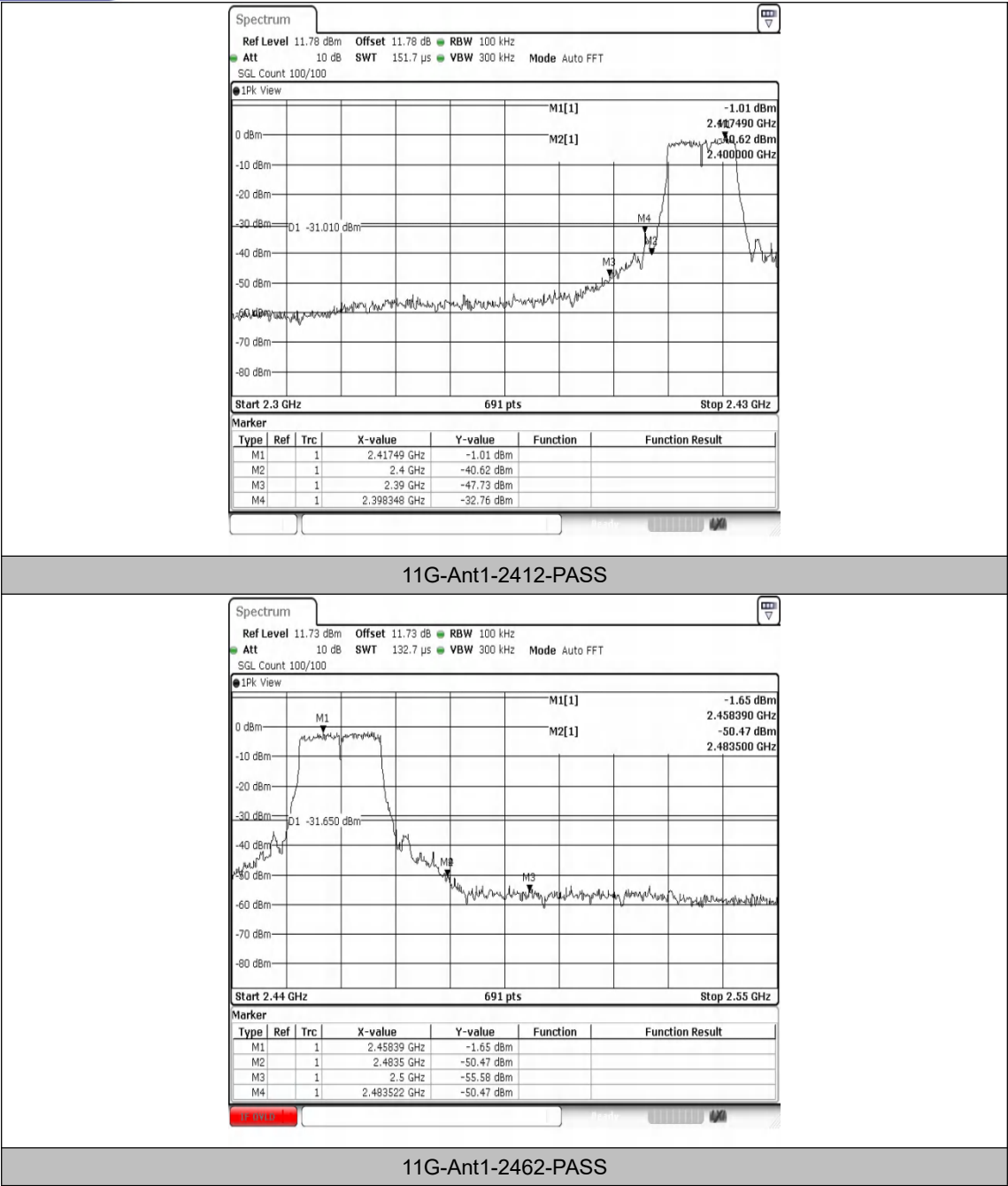
Test Result

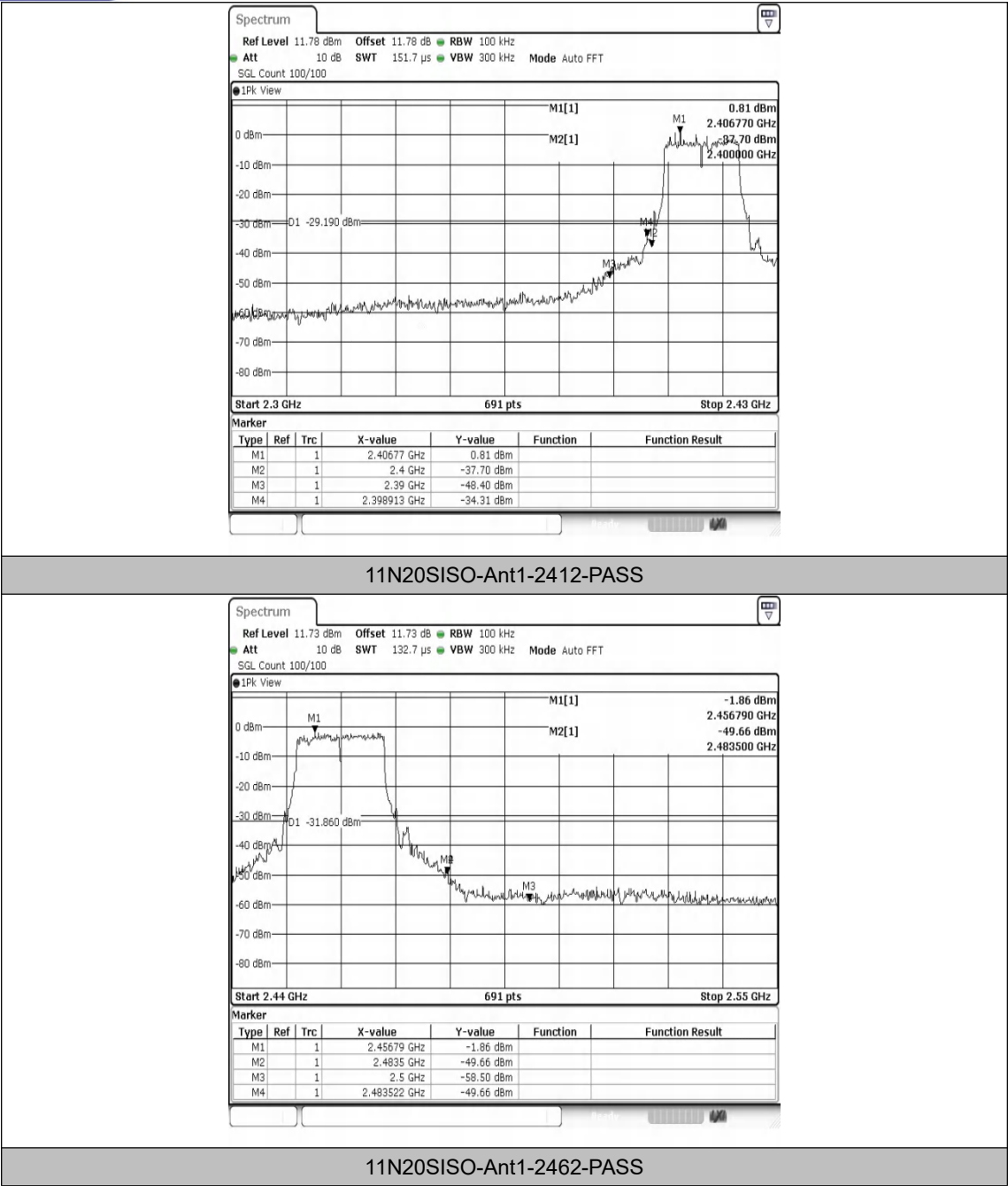
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.48	-40.98	≤-25.52	PASS
11B	Ant1	High	2462	3.80	-48.85	≤-26.2	PASS
11G	Ant1	Low	2412	-1.01	-32.76	≤-31.01	PASS
11G	Ant1	High	2462	-1.65	-50.47	≤-31.65	PASS
11N20SISO	Ant1	Low	2412	0.81	-34.31	≤-29.19	PASS
11N20SISO	Ant1	High	2462	-1.86	-49.66	≤-31.86	PASS



Test Graphs







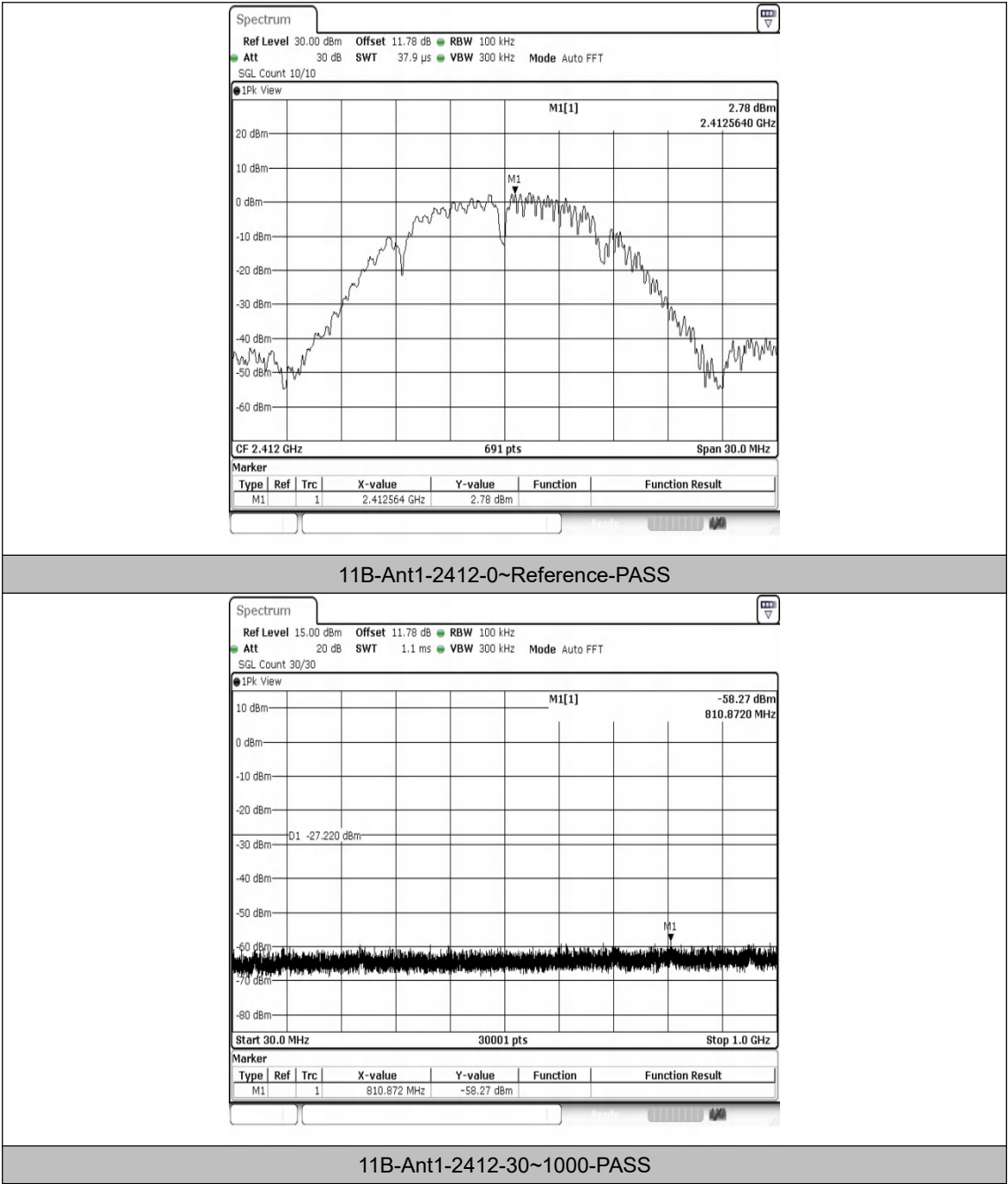
Appendix F: Conducted Spurious Emission

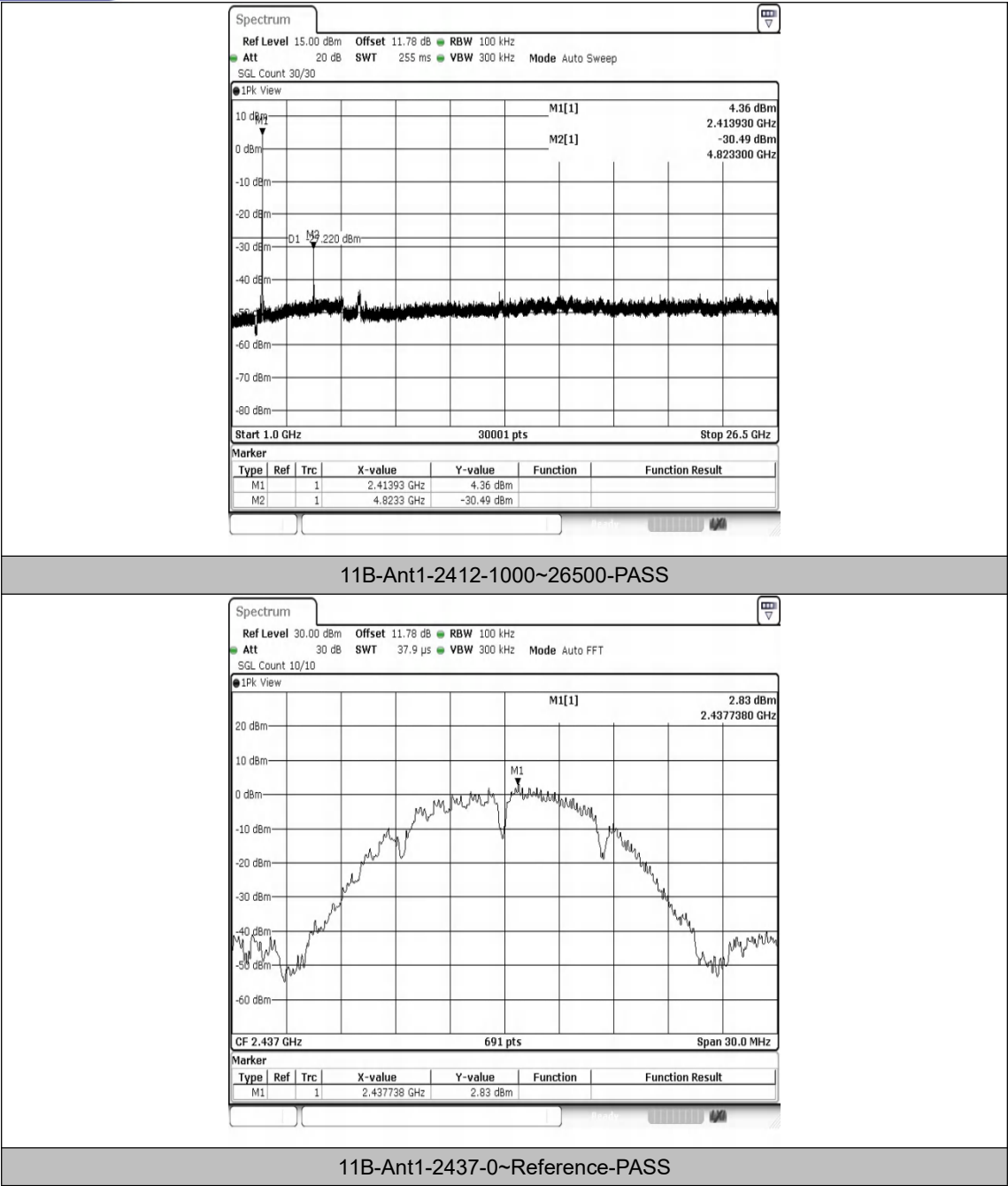
Test Result

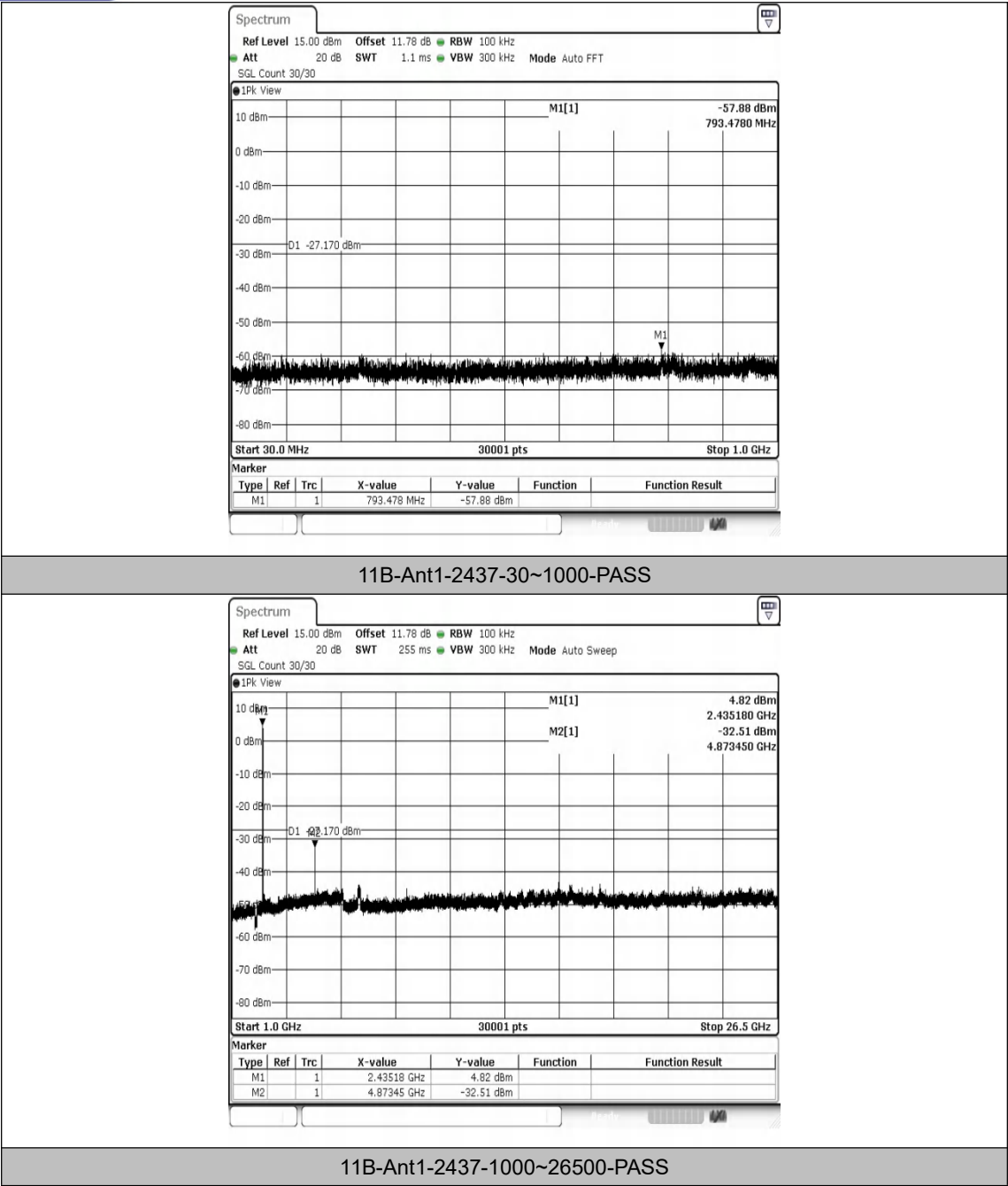
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.78	2.78	---	PASS
11B	Ant1	2412	30~1000	2.78	-58.27	≤-27.22	PASS
11B	Ant1	2412	1000~26500	2.78	-30.49	≤-27.22	PASS
11B	Ant1	2437	0~Reference	2.83	2.83	---	PASS
11B	Ant1	2437	30~1000	2.83	-57.88	≤-27.17	PASS
11B	Ant1	2437	1000~26500	2.83	-32.51	≤-27.17	PASS
11B	Ant1	2462	0~Reference	3.30	3.30	---	PASS
11B	Ant1	2462	30~1000	3.30	-56.14	≤-26.7	PASS
11B	Ant1	2462	1000~26500	3.30	-34.97	≤-26.7	PASS
11G	Ant1	2412	0~Reference	-2.05	-2.05	---	PASS
11G	Ant1	2412	30~1000	-2.05	-57.77	≤-32.05	PASS
11G	Ant1	2412	1000~26500	-2.05	-43.11	≤-32.05	PASS
11G	Ant1	2437	0~Reference	-1.79	-1.79	---	PASS
11G	Ant1	2437	30~1000	-1.79	-57.92	≤-31.79	PASS
11G	Ant1	2437	1000~26500	-1.79	-43.52	≤-31.79	PASS
11G	Ant1	2462	0~Reference	-2.40	-2.40	---	PASS
11G	Ant1	2462	30~1000	-2.40	-58.24	≤-32.4	PASS
11G	Ant1	2462	1000~26500	-2.40	-43.96	≤-32.4	PASS
11N20SISO	Ant1	2412	0~Reference	-2.17	-2.17	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.17	-45.78	≤-32.17	PASS
11N20SISO	Ant1	2412	1000~26500	-2.17	-41.35	≤-32.17	PASS
11N20SISO	Ant1	2437	0~Reference	-1.69	-1.69	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.69	-58.28	≤-31.69	PASS
11N20SISO	Ant1	2437	1000~26500	-1.69	-42.45	≤-31.69	PASS
11N20SISO	Ant1	2462	0~Reference	-1.81	-1.81	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.81	-58.44	≤-31.81	PASS
11N20SISO	Ant1	2462	1000~26500	-1.81	-44.64	≤-31.81	PASS

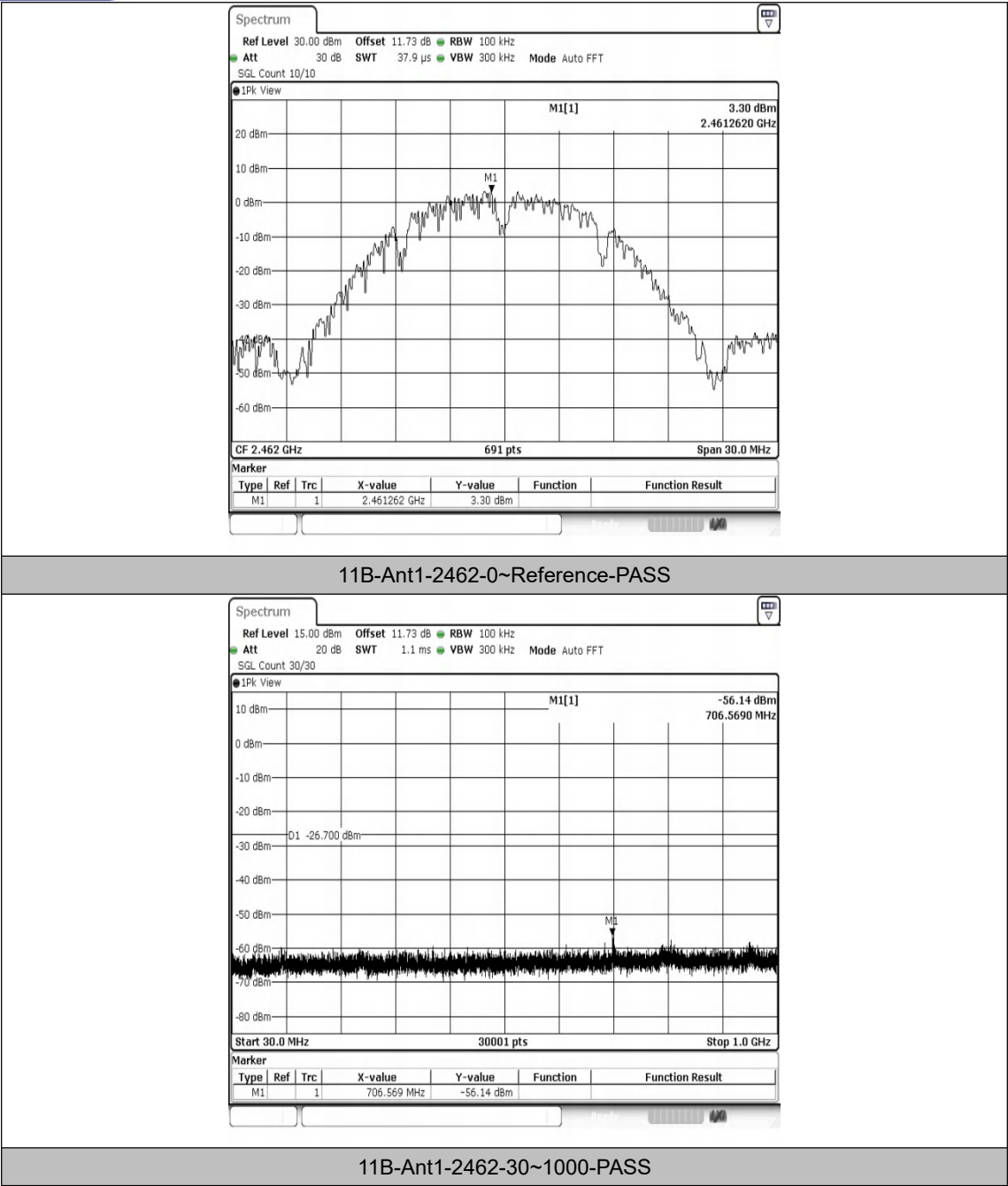


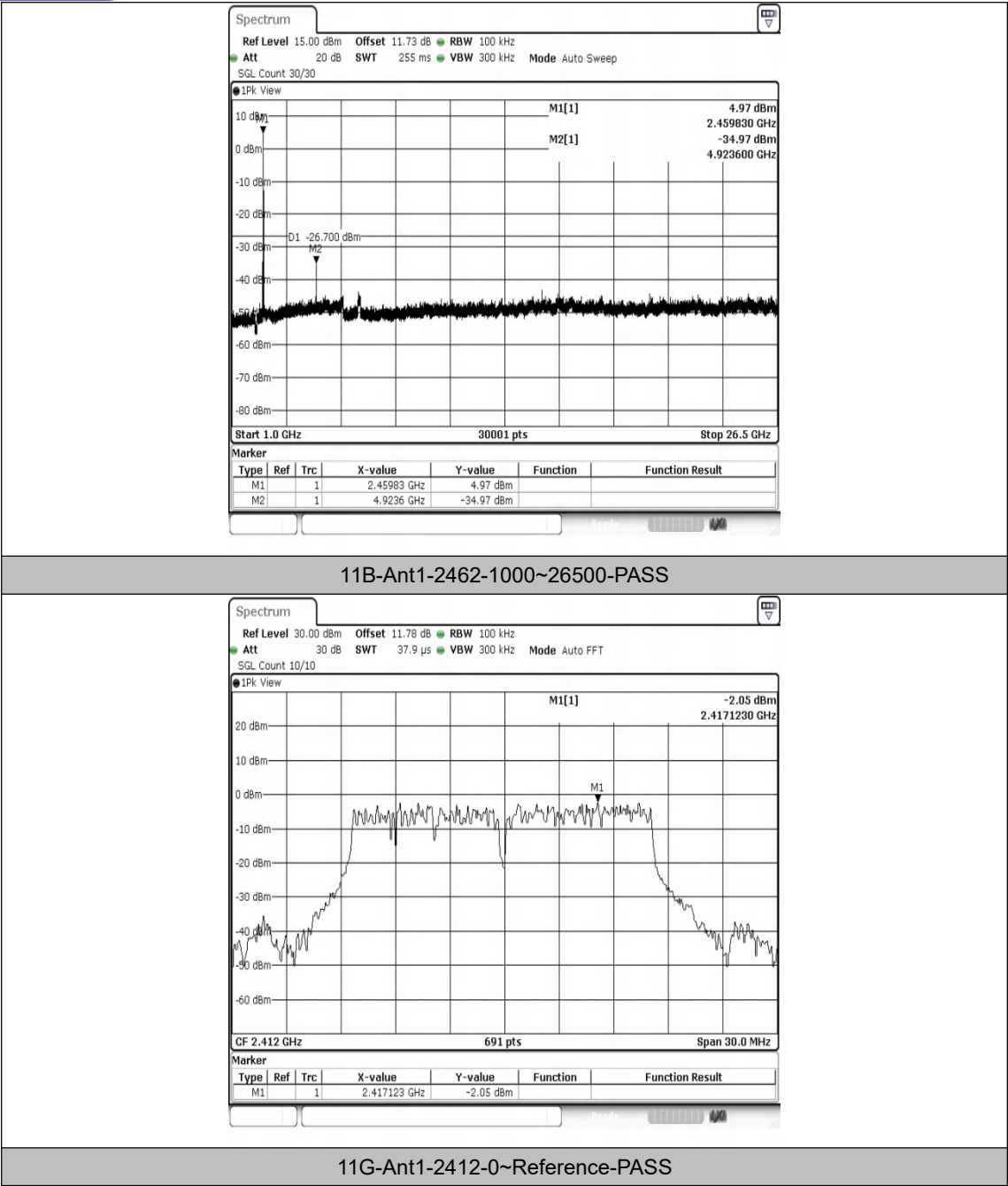
Test Graphs

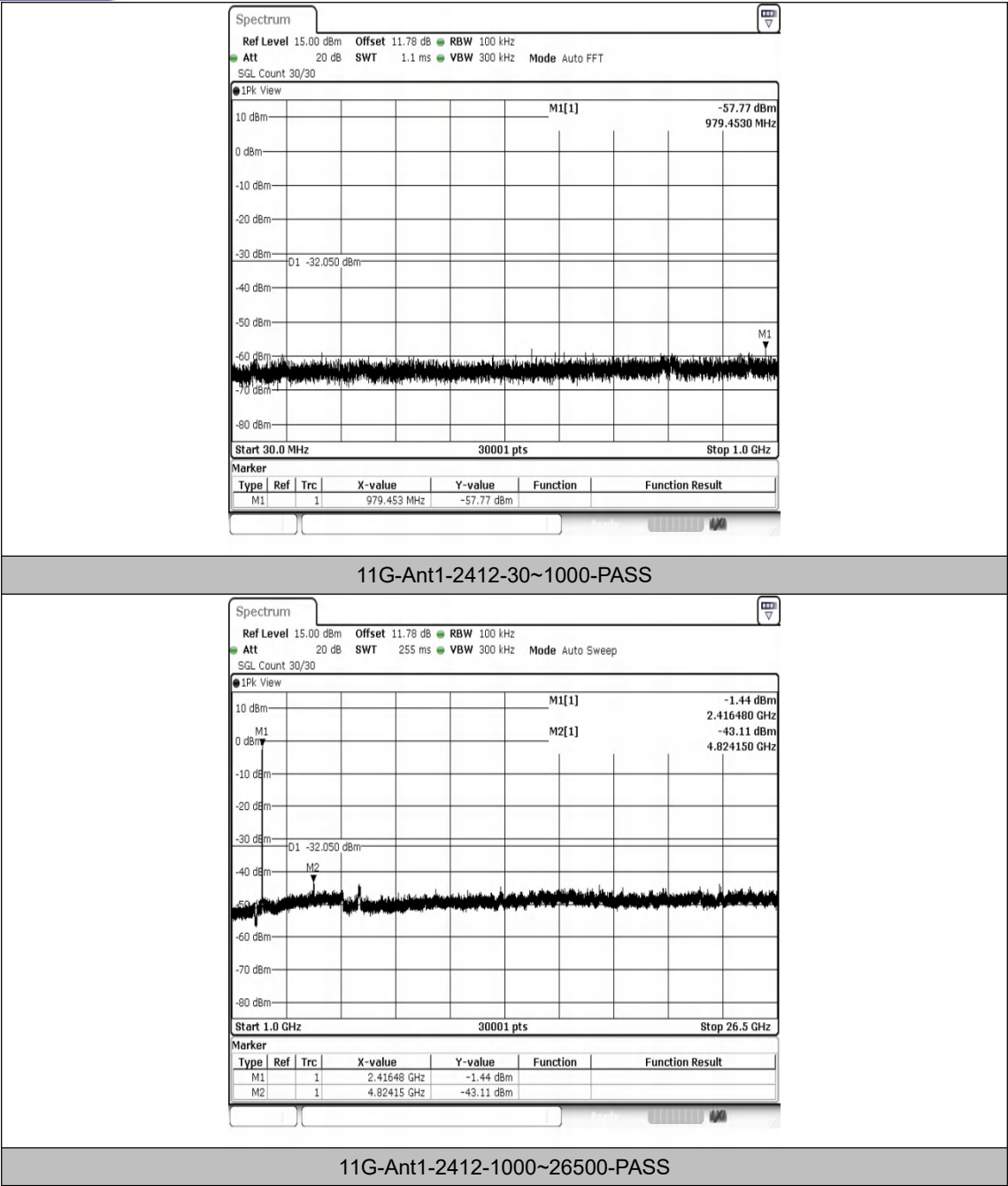


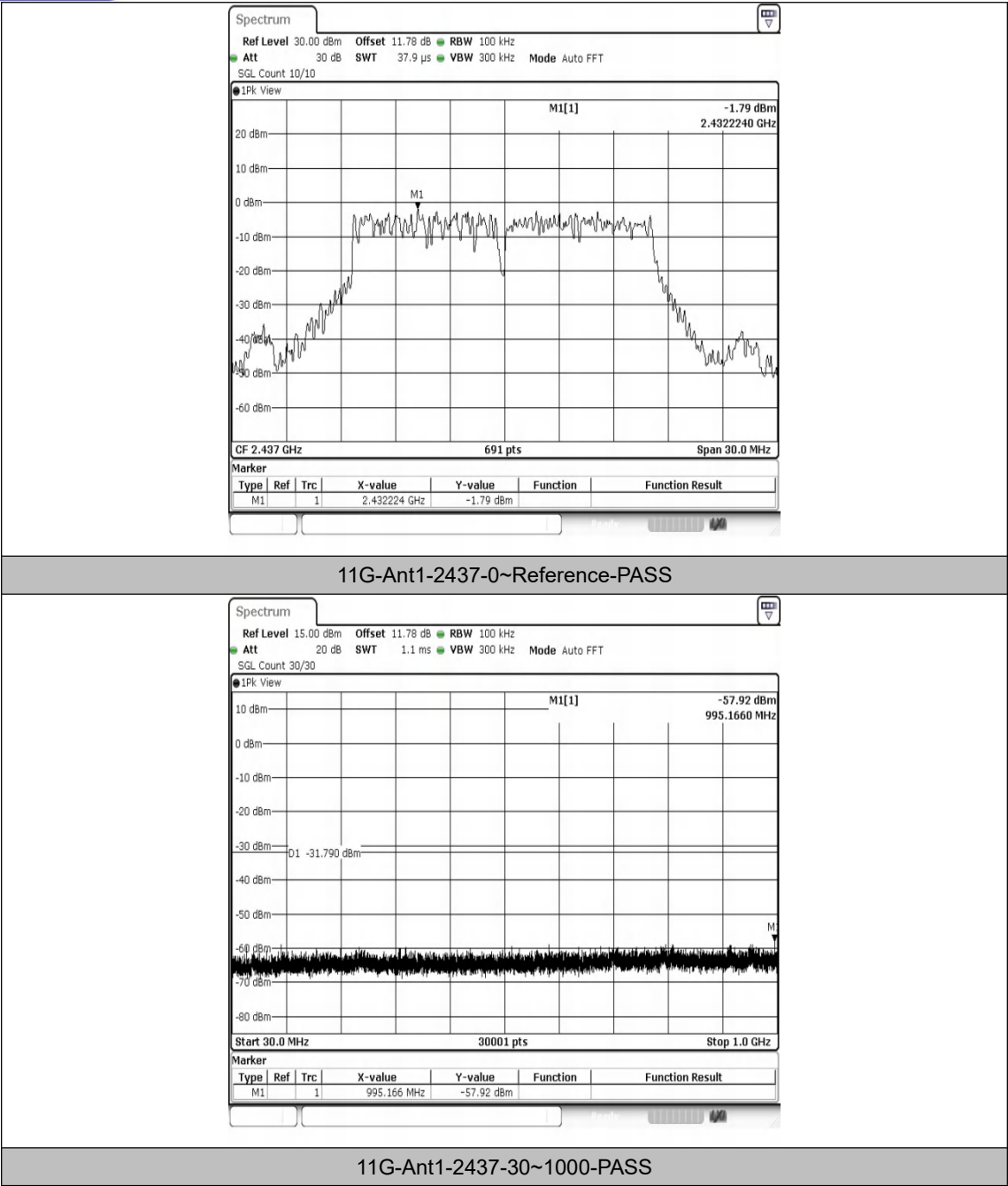


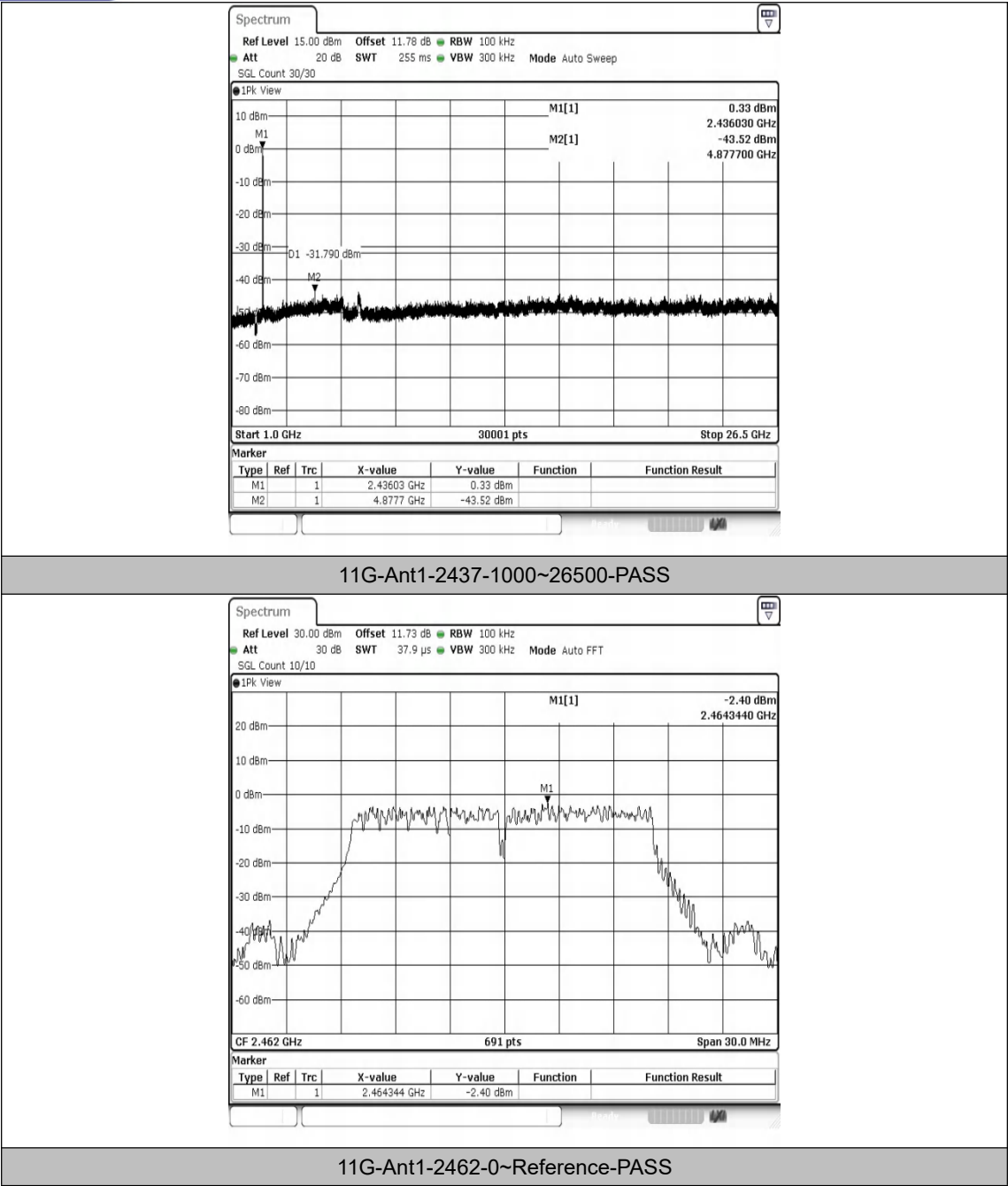


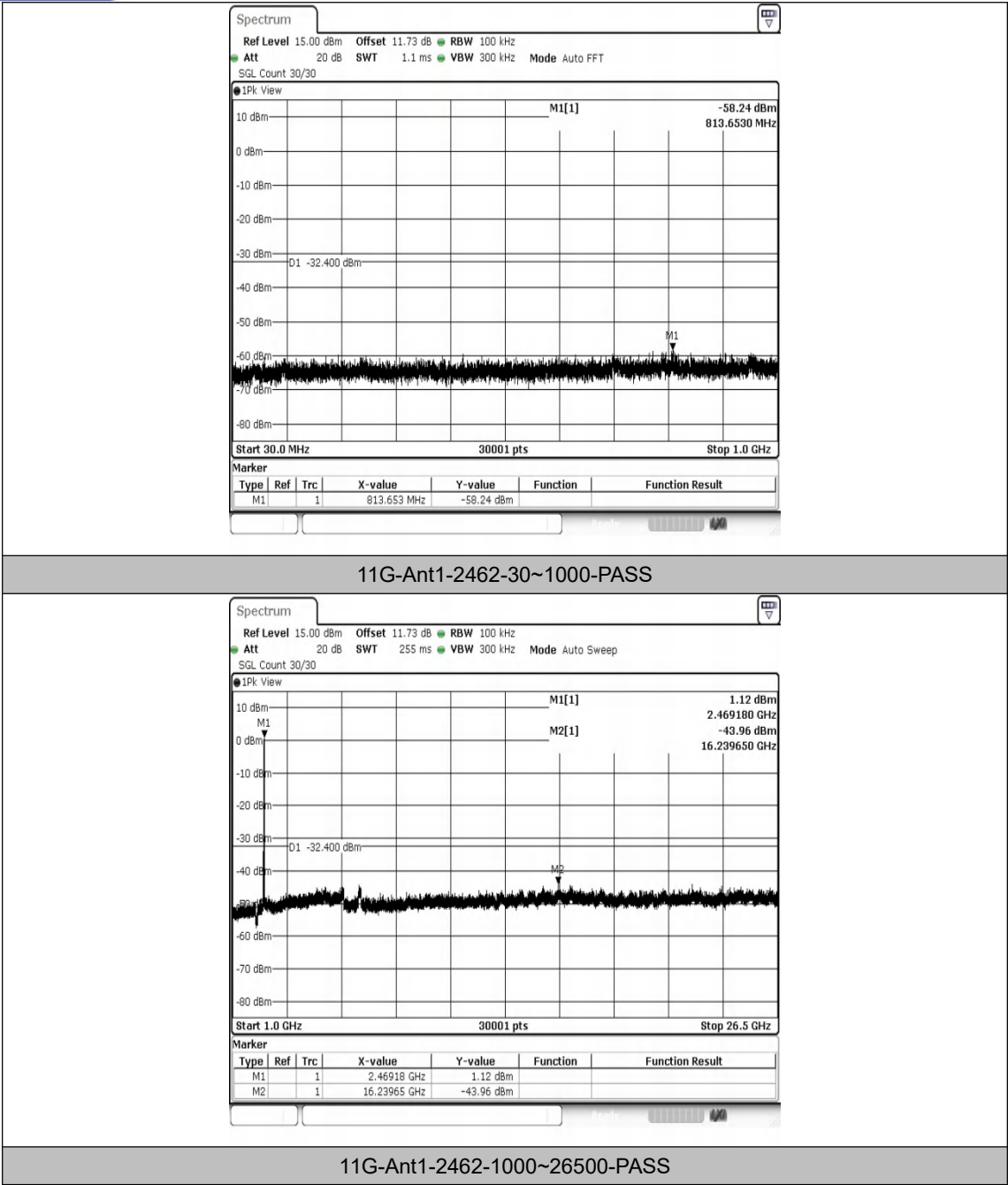


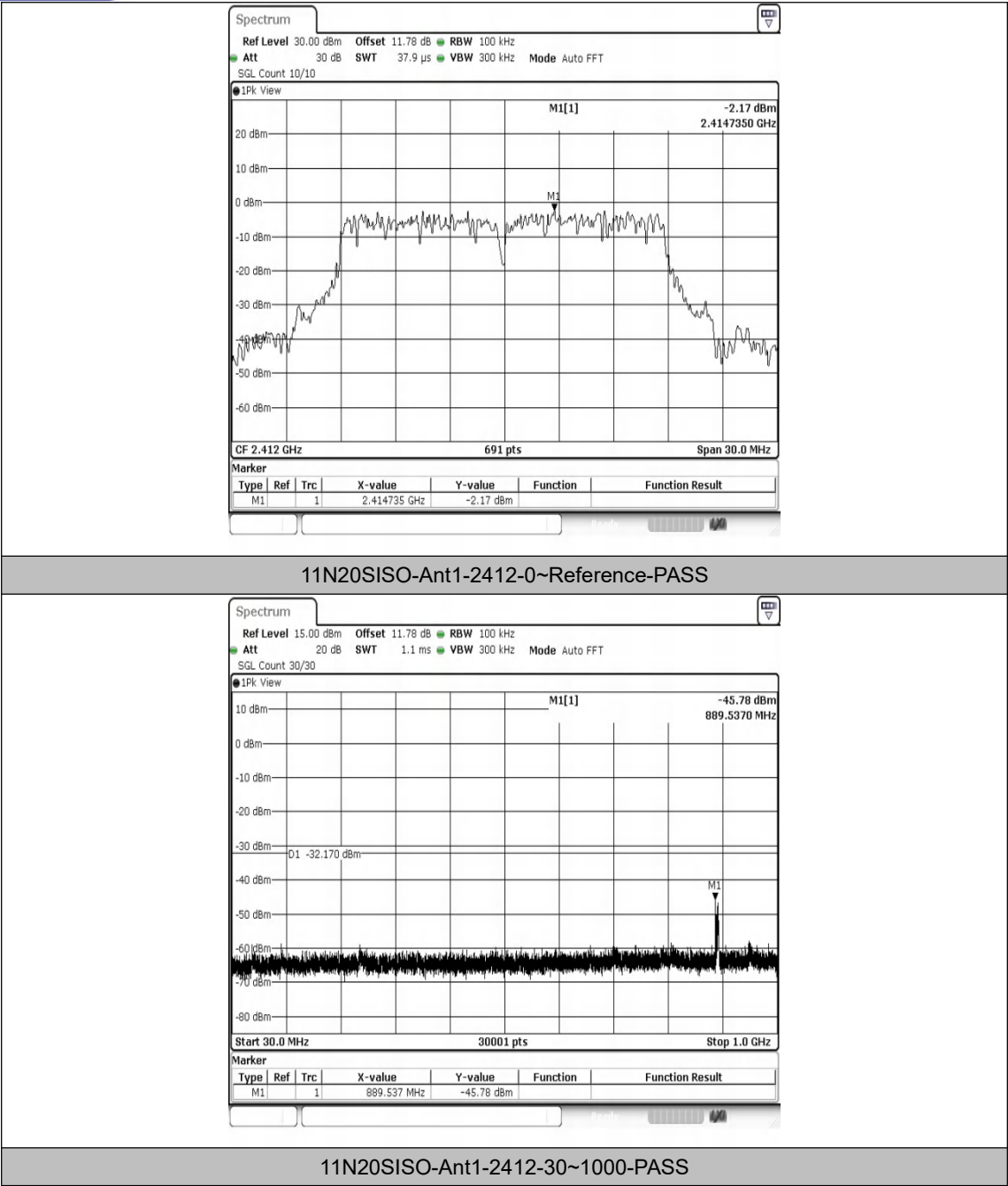


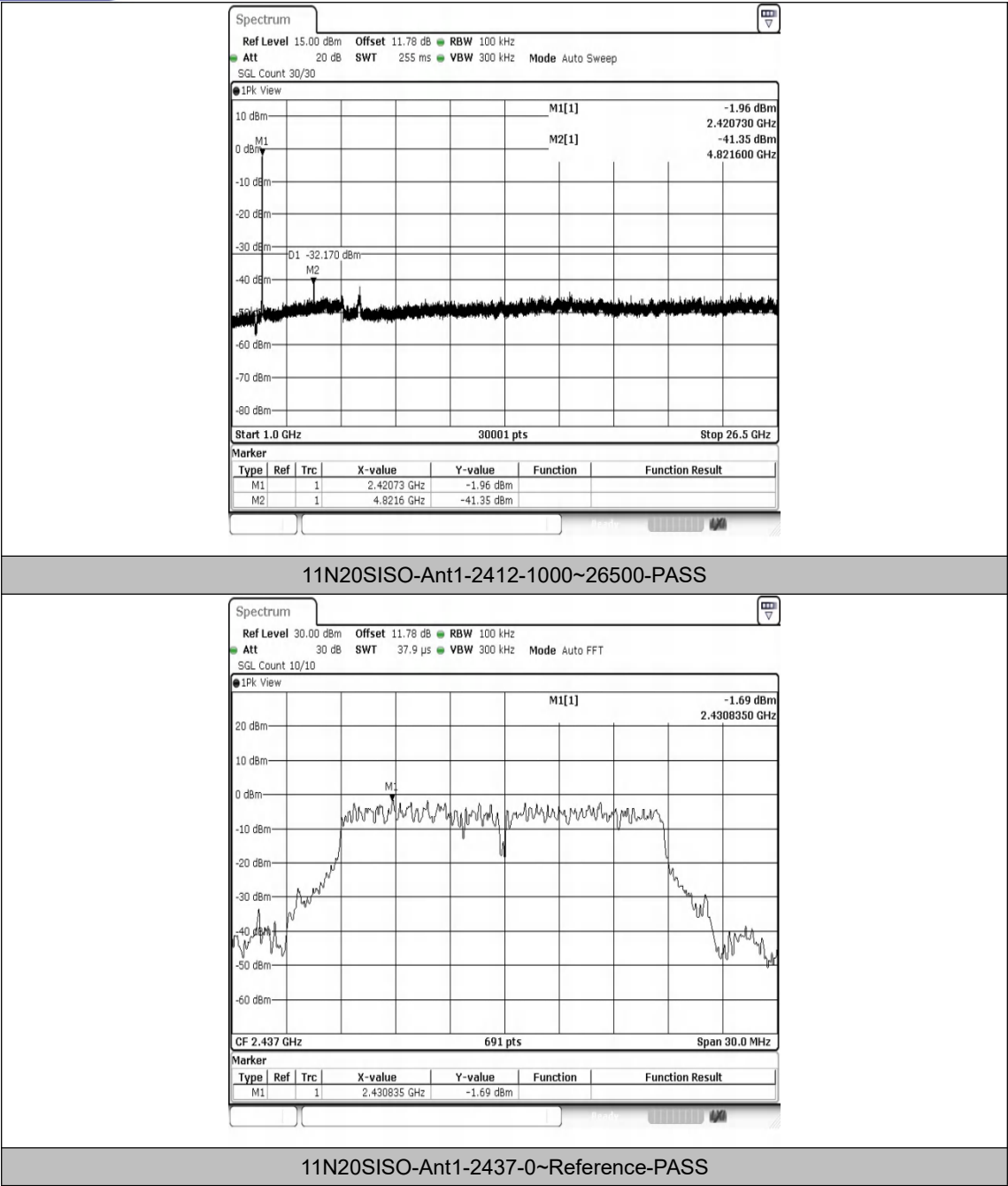


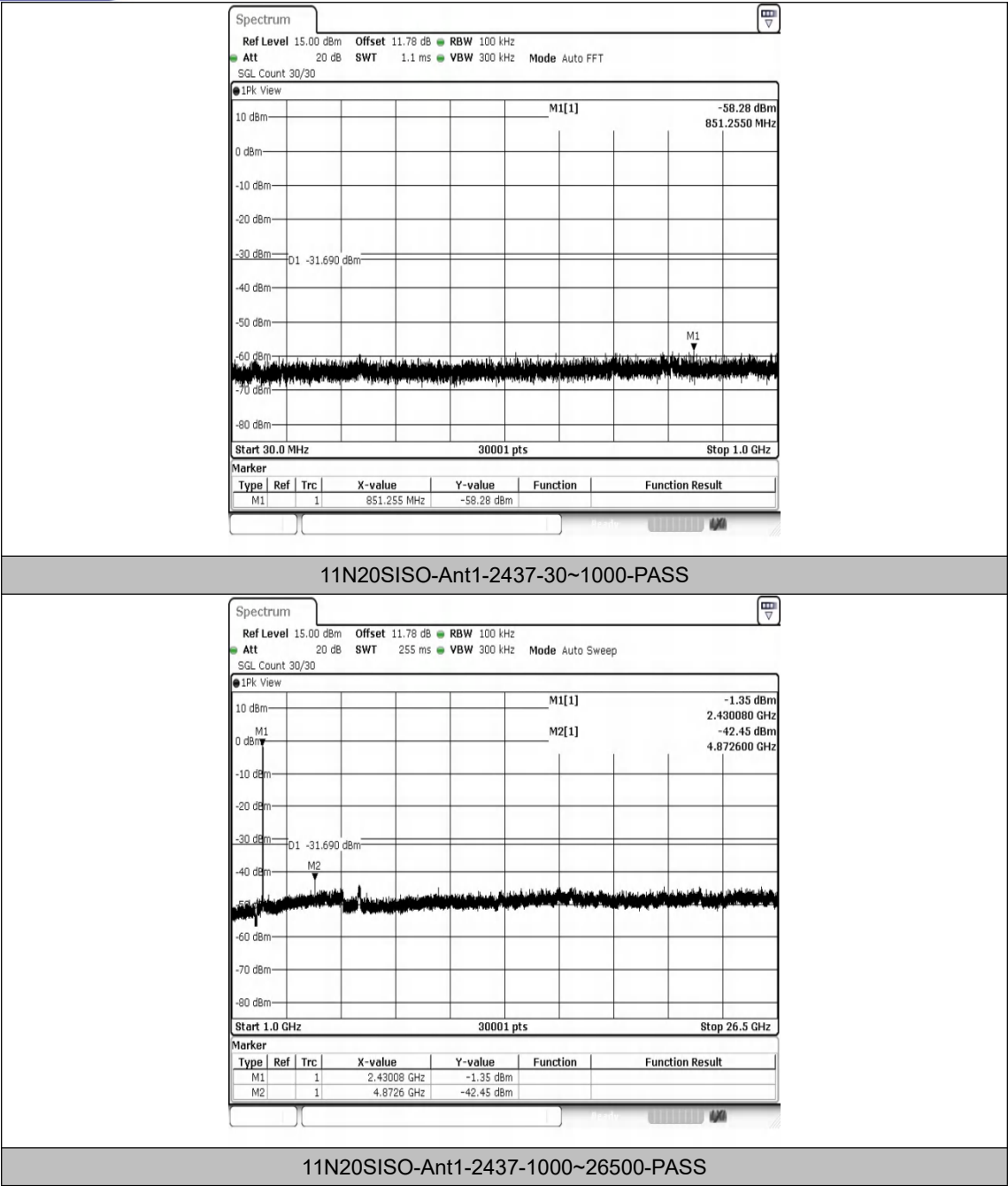


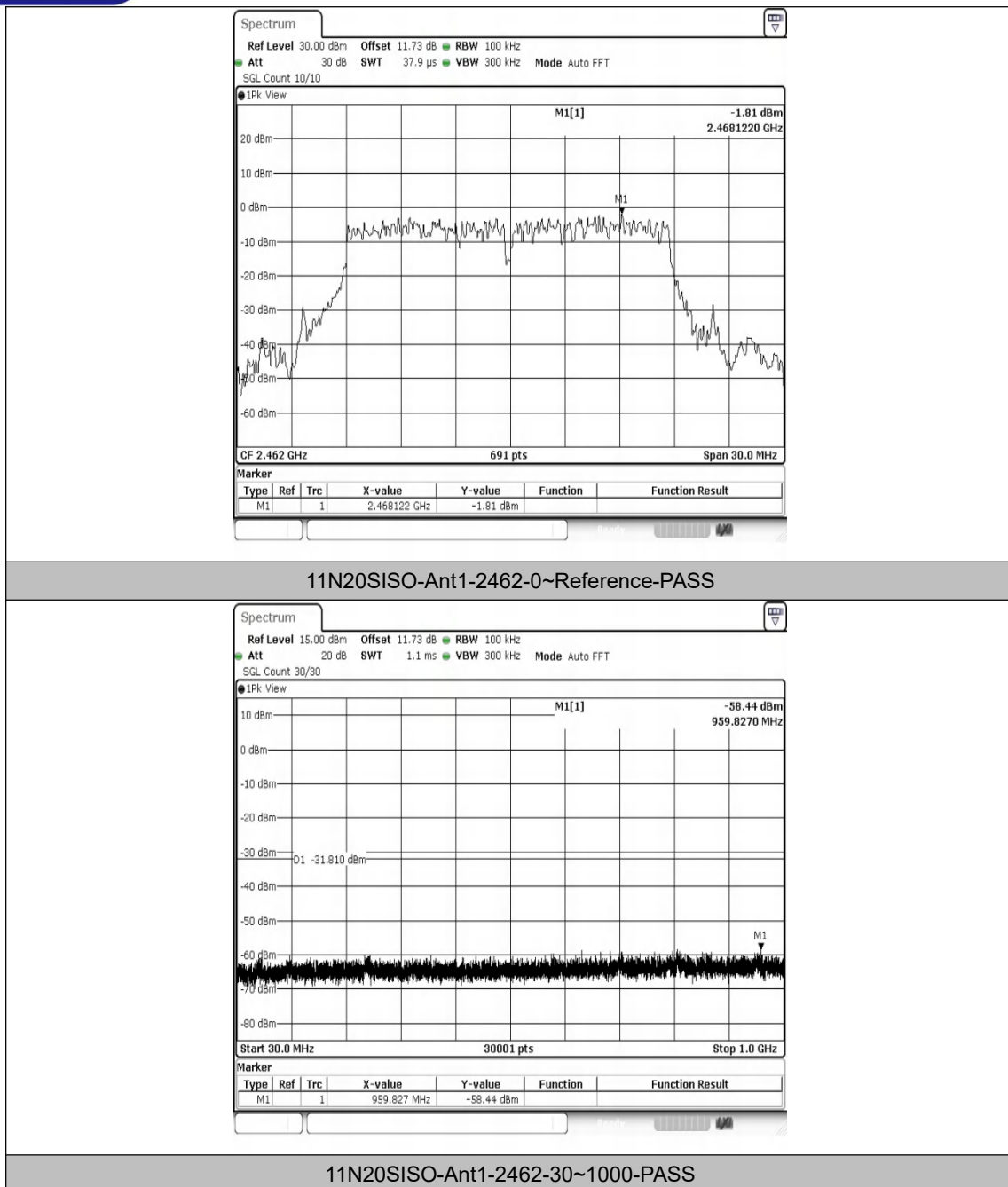










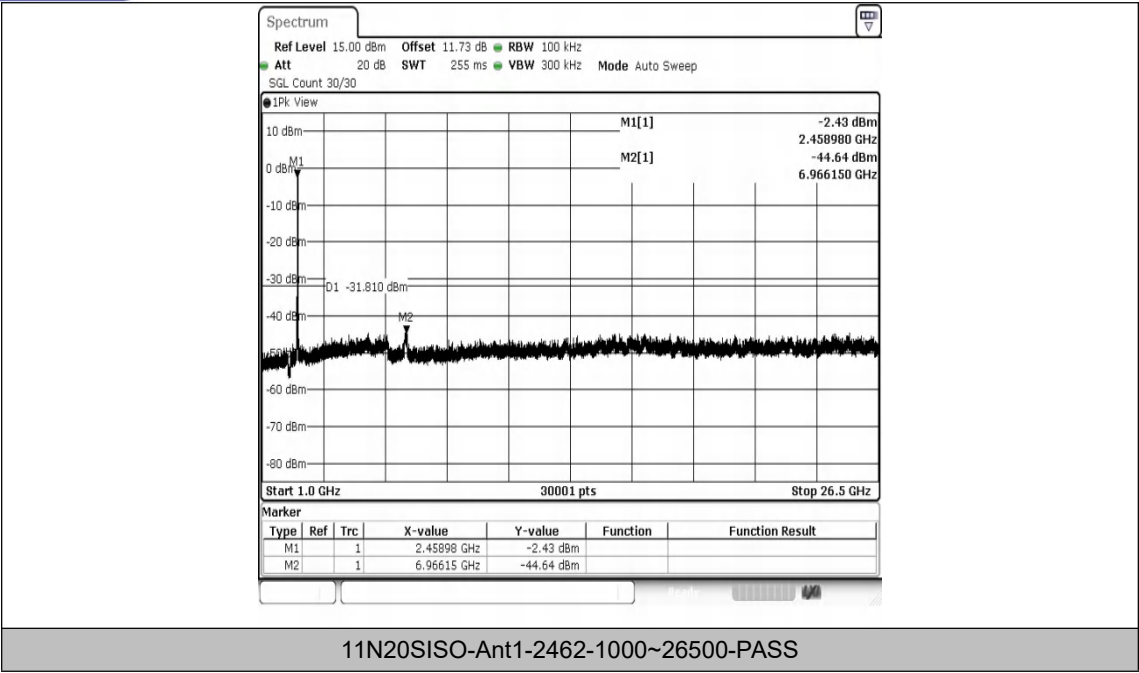


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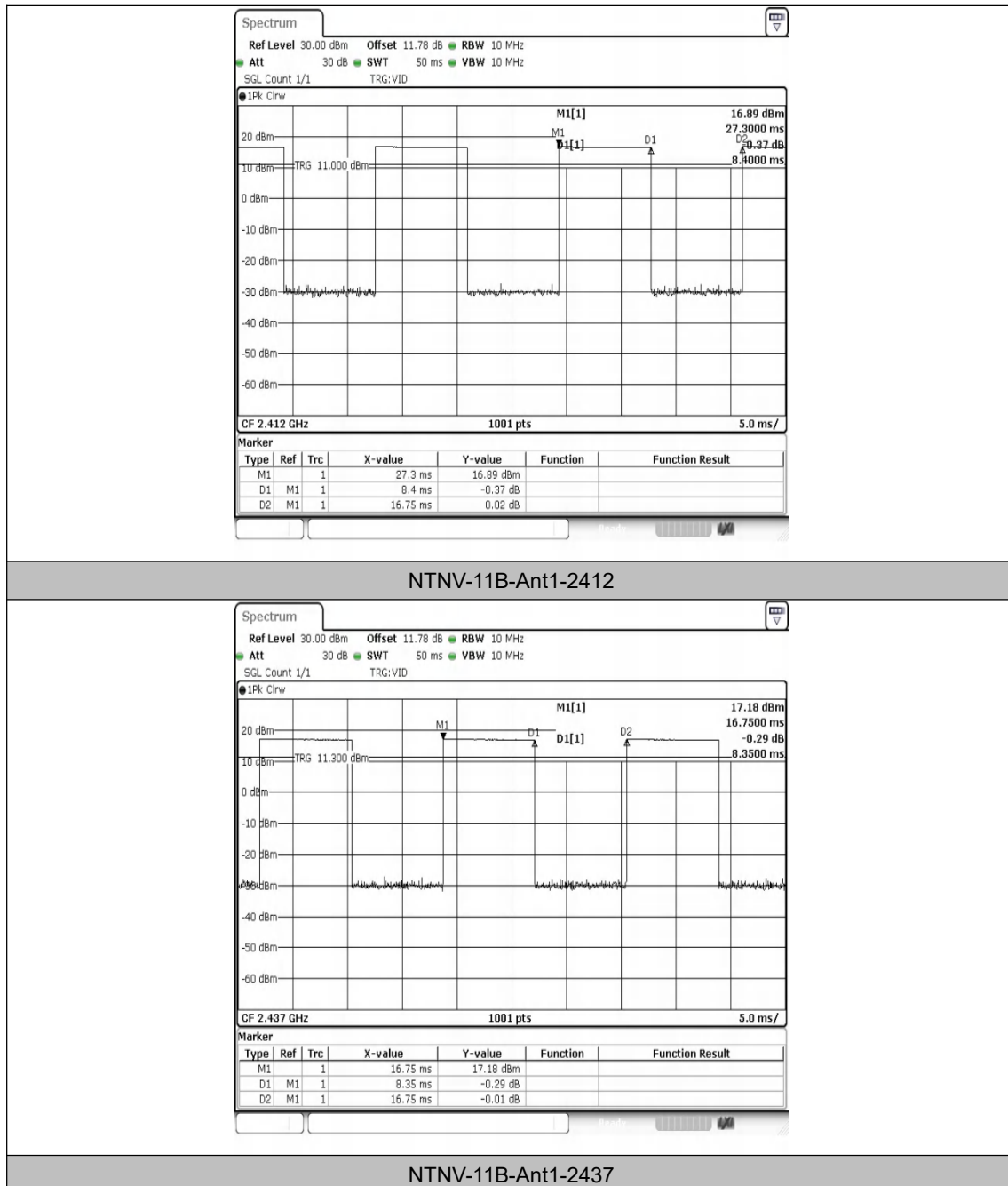
Appendix G: Duty Cycle

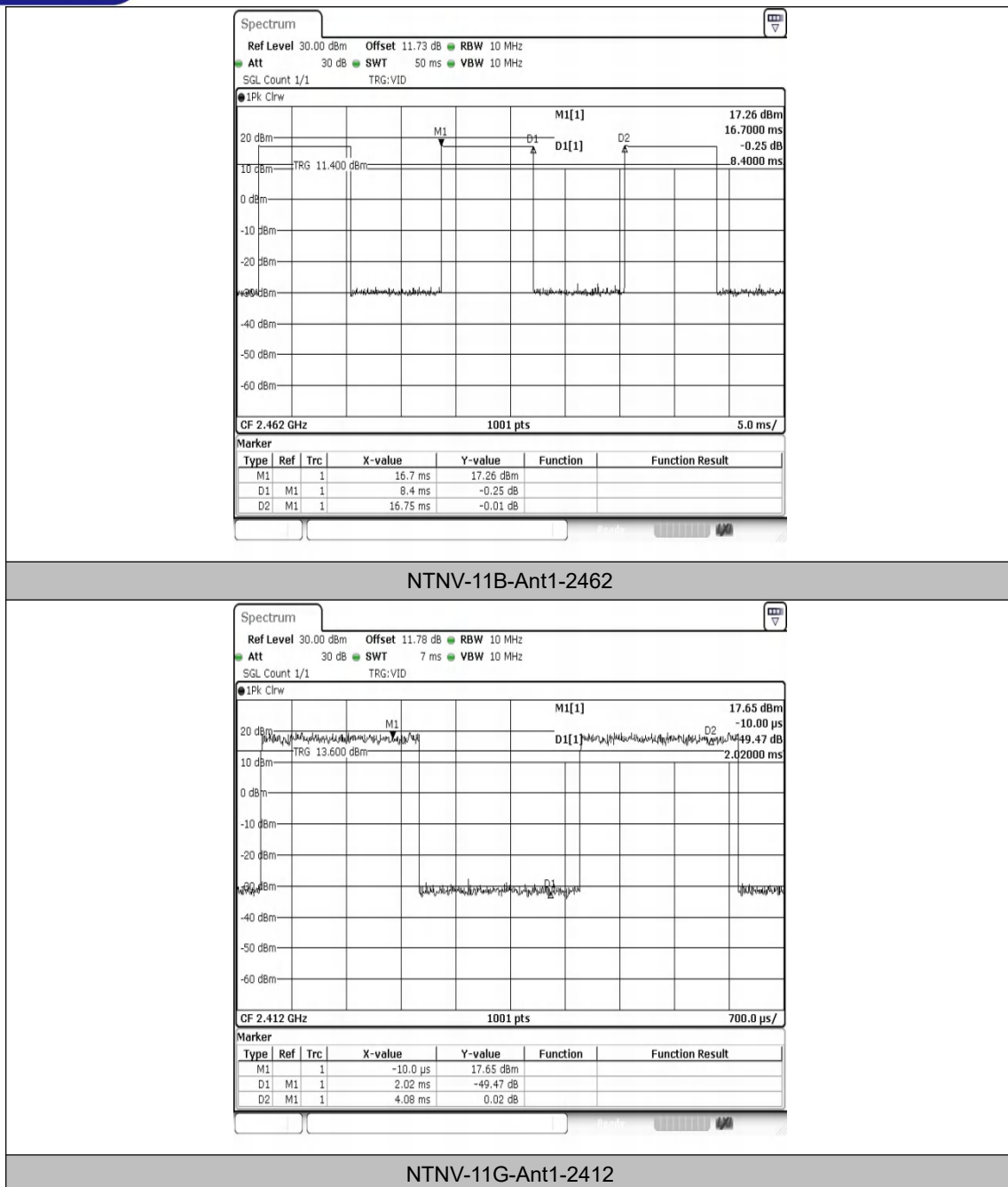
Test Result

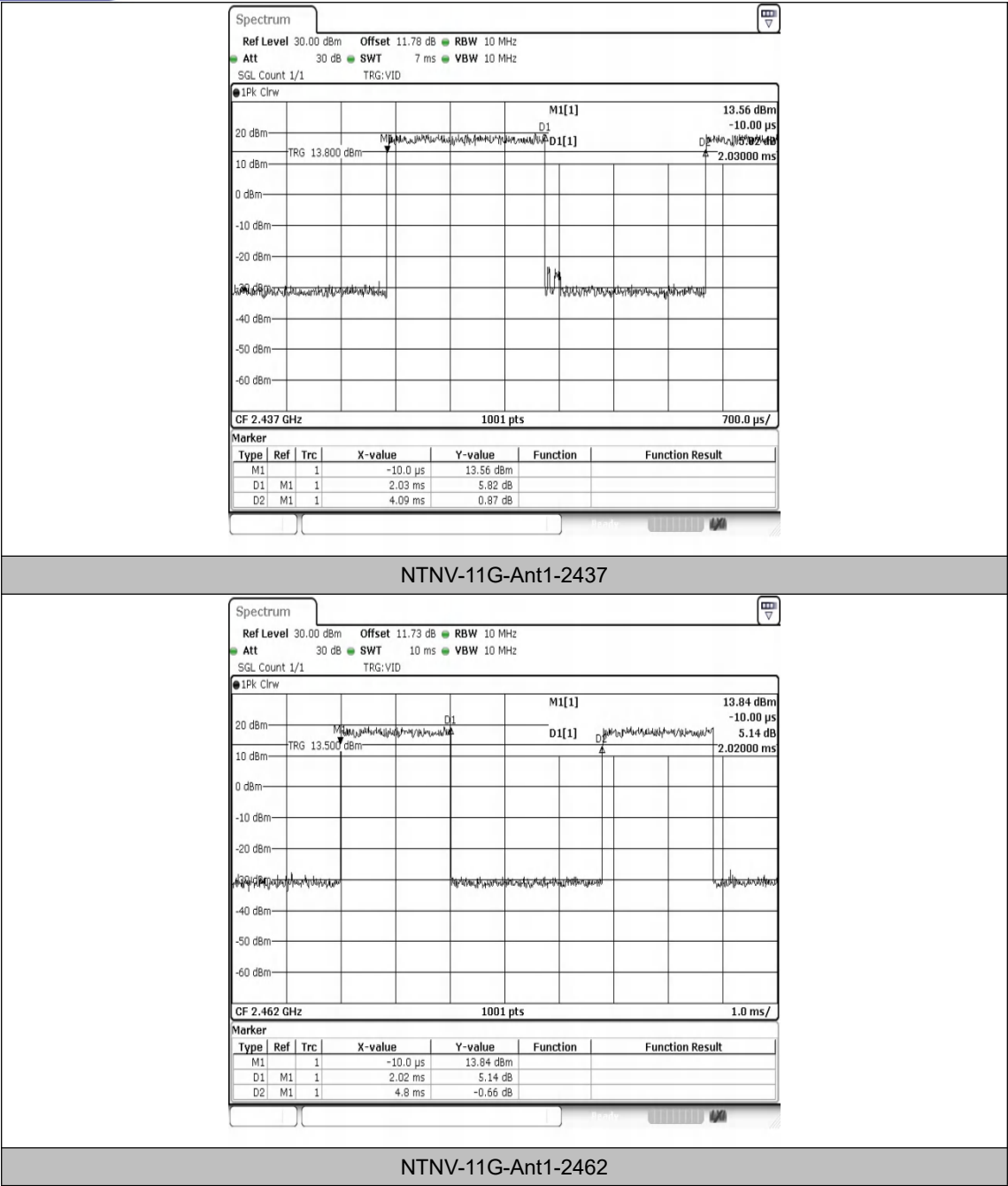
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.40	16.75	50.15	3.00
11B	Ant1	2437	8.35	16.75	49.85	3.02
11B	Ant1	2462	8.40	16.75	50.15	3.00
11G	Ant1	2412	2.02	4.08	49.51	3.05
11G	Ant1	2437	2.03	4.09	49.63	3.04
11G	Ant1	2462	2.02	4.80	42.08	3.76
11N20SISO	Ant1	2412	1.89	3.75	50.40	2.98
11N20SISO	Ant1	2437	1.89	3.75	50.40	2.98
11N20SISO	Ant1	2462	1.89	3.74	50.53	2.96

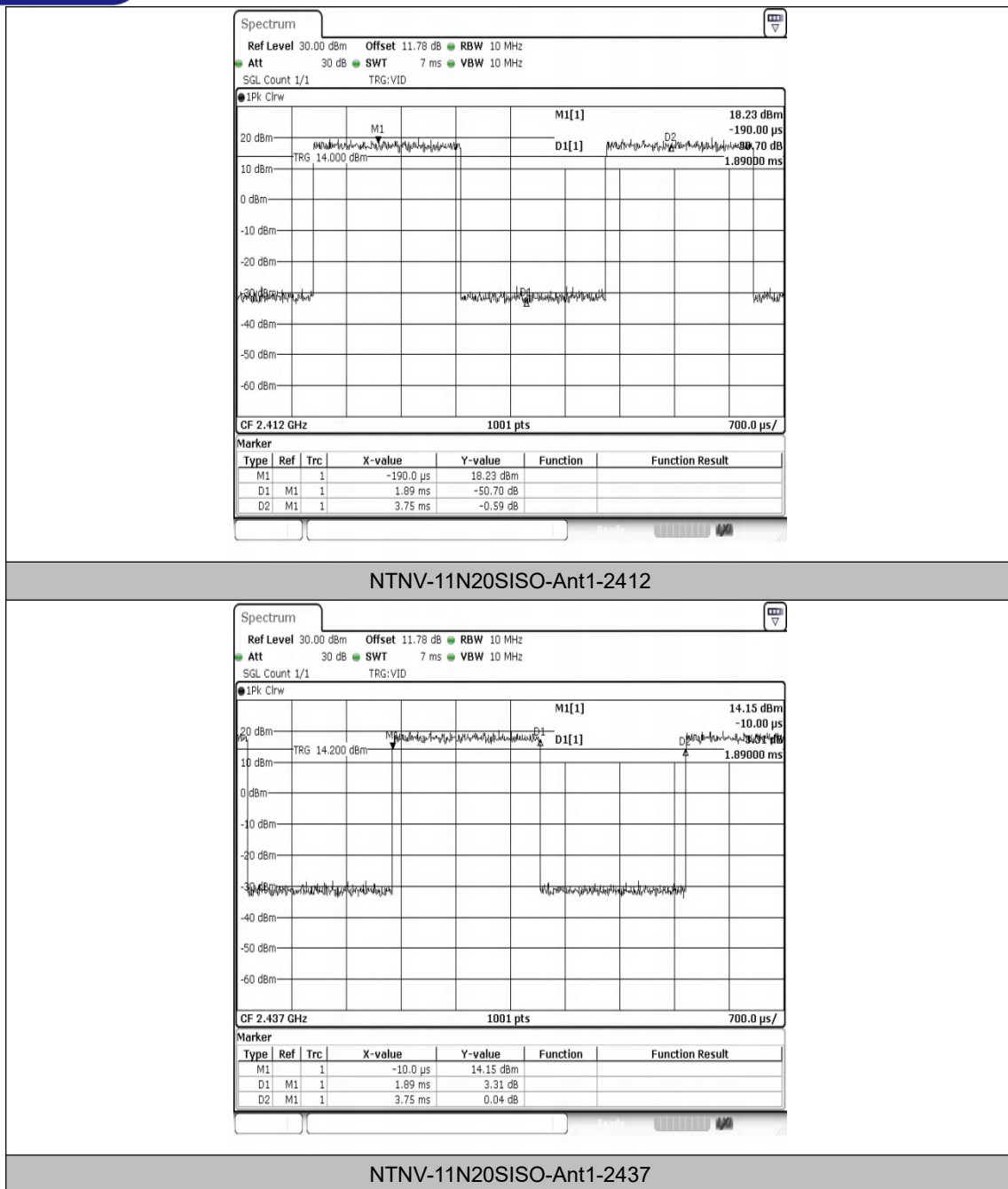


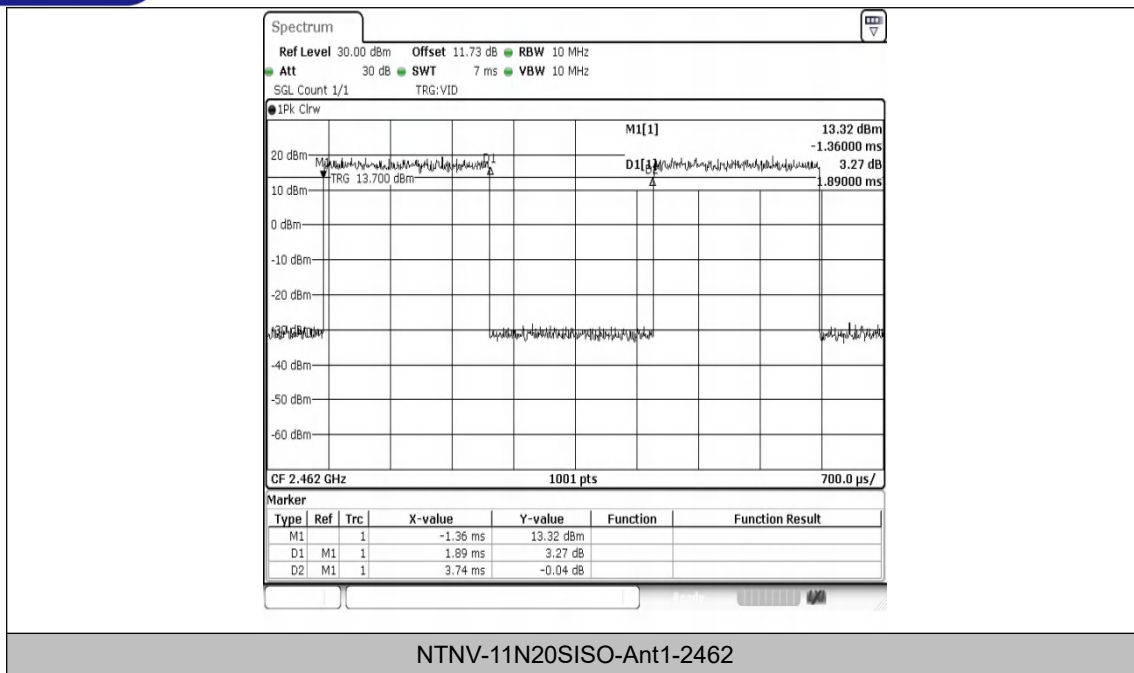
Test Graphs











---END---

