

Appendix Test Data

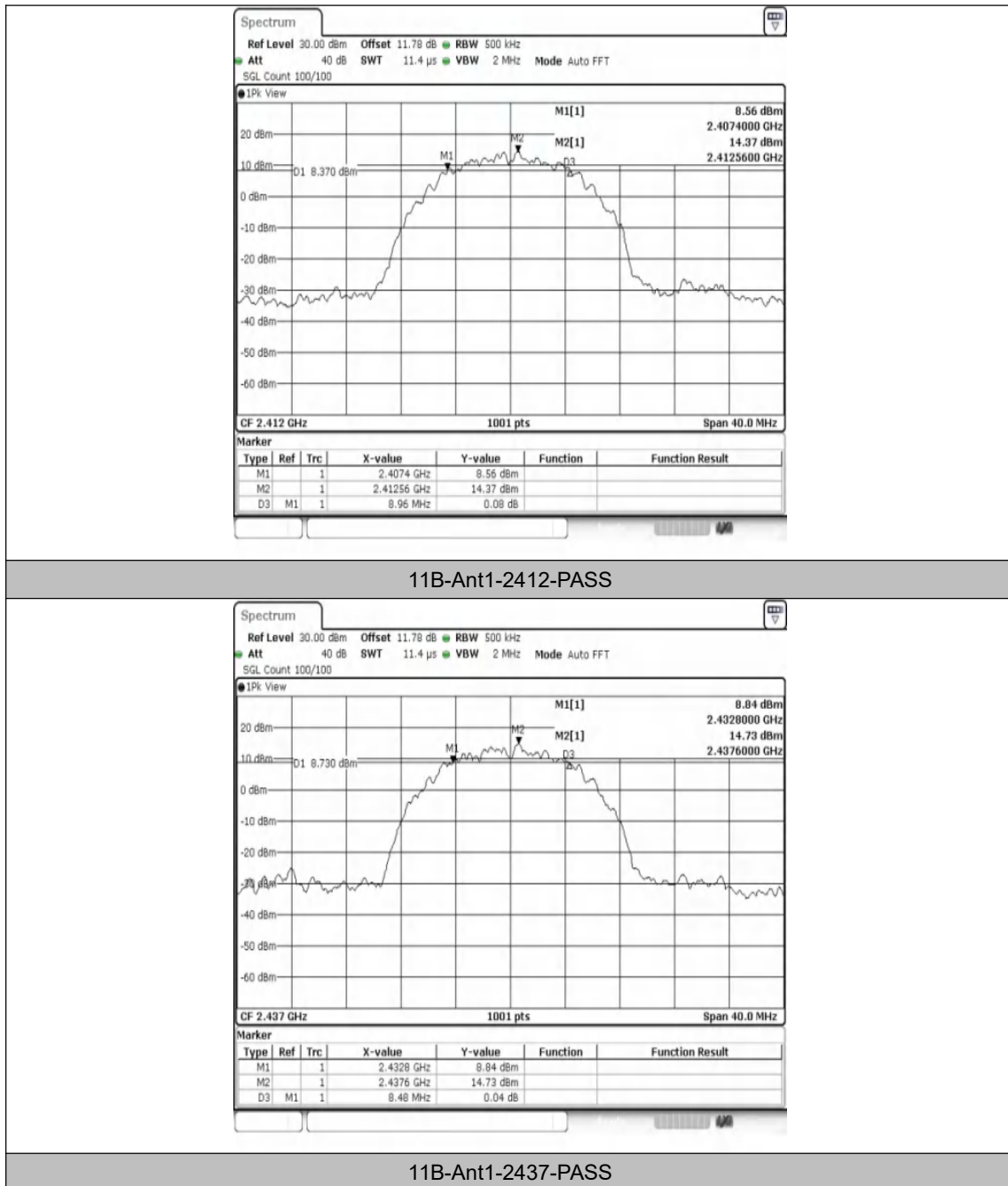
Report No.:	1811C50032512502	Test Sample No.:	1-2-2
Start Test Date:	2025-03-13	Finish Test Date:	2025-03-18
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	23.3°C	Relative Humidity:	41%
Pressure:	101kPa		

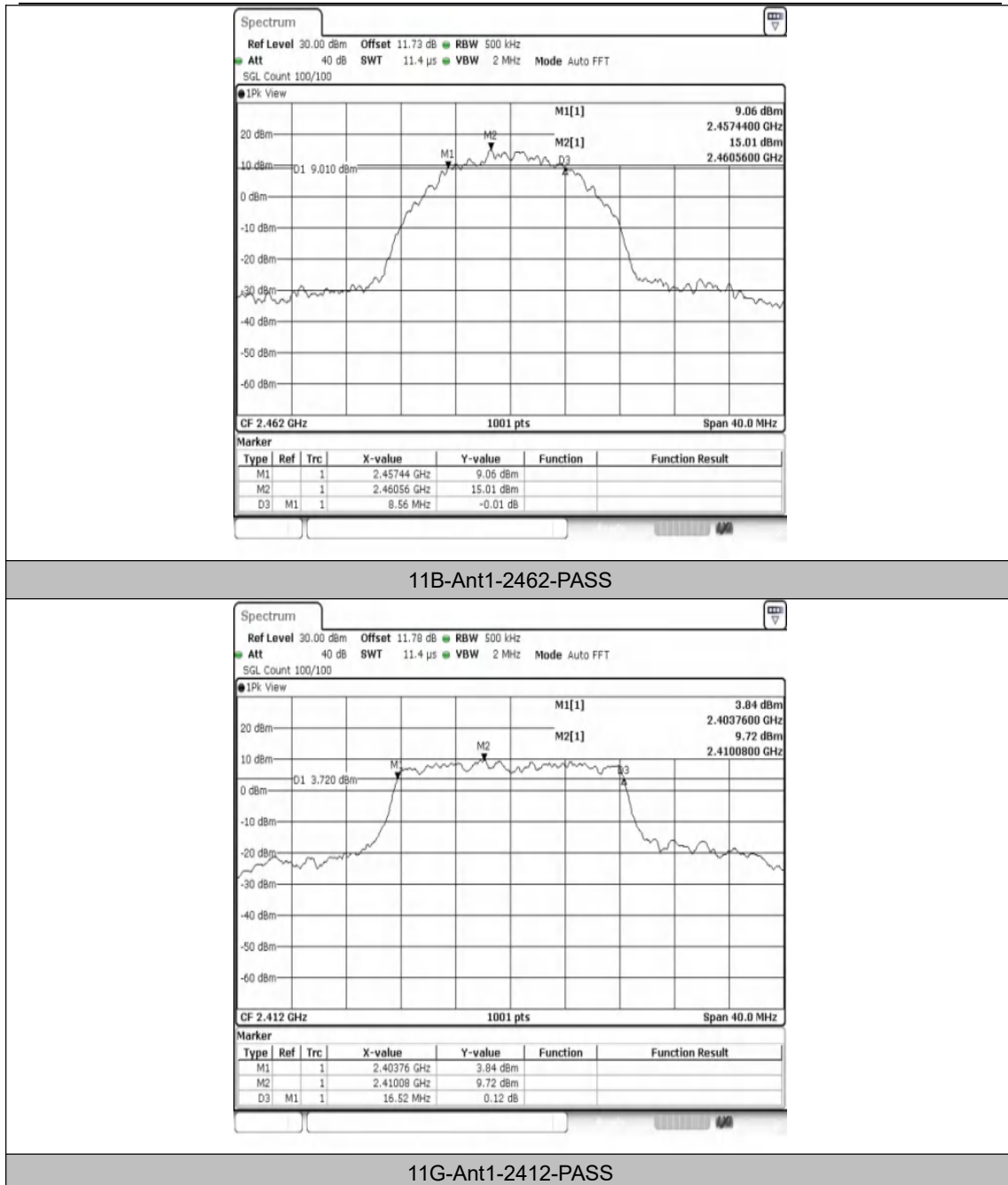
Appendix A: 6dB Bandwidth

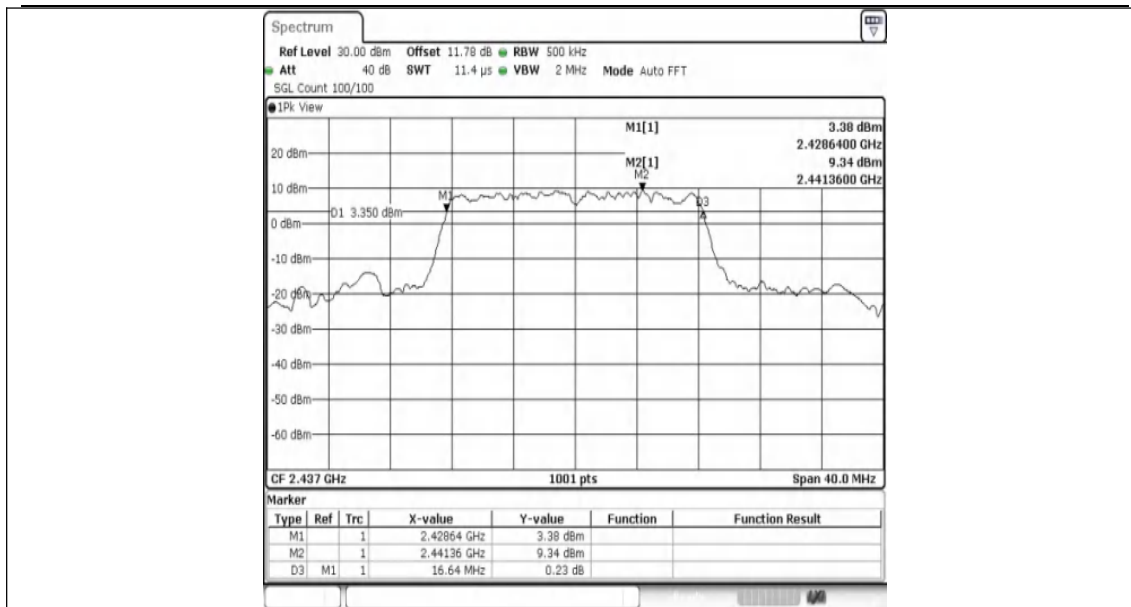
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.96	2407.40	2416.36	0.5	PASS
11B	Ant1	2437	8.48	2432.80	2441.28	0.5	PASS
11B	Ant1	2462	8.56	2457.44	2466.00	0.5	PASS
11G	Ant1	2412	16.52	2403.76	2420.28	0.5	PASS
11G	Ant1	2437	16.64	2428.64	2445.28	0.5	PASS
11G	Ant1	2462	16.56	2453.72	2470.28	0.5	PASS
11N20SISO	Ant1	2412	17.52	2403.16	2420.68	0.5	PASS
11N20SISO	Ant1	2437	17.52	2428.20	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.32	2453.32	2470.64	0.5	PASS
11N40SISO	Ant1	2422	35.76	2404.00	2439.76	0.5	PASS
11N40SISO	Ant1	2437	35.84	2419.08	2454.92	0.5	PASS
11N40SISO	Ant1	2452	36.16	2433.92	2470.08	0.5	PASS

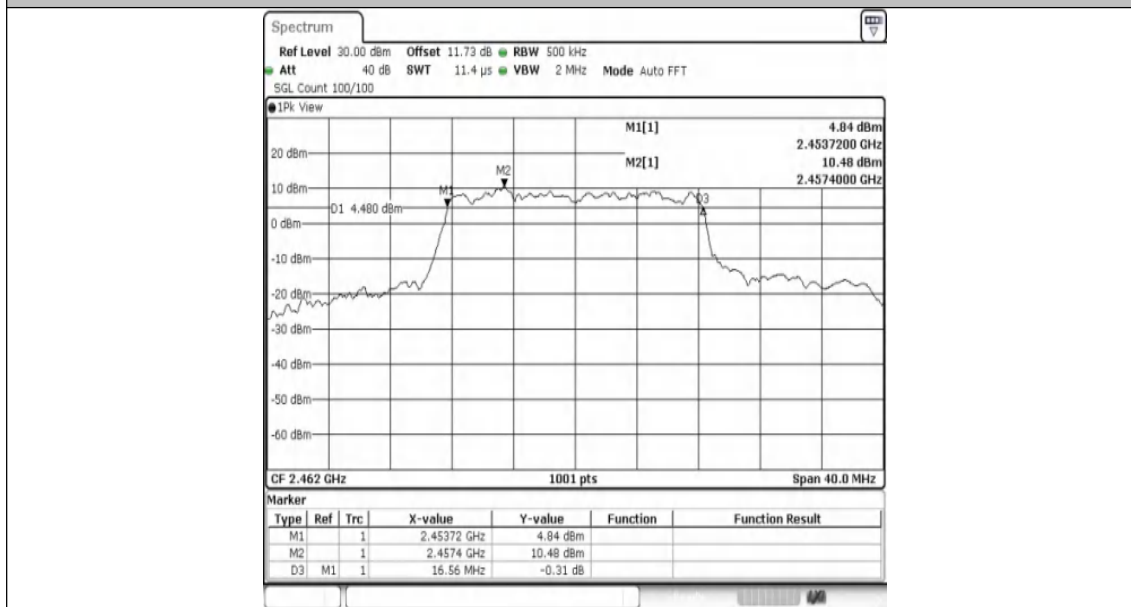
Test Graphs



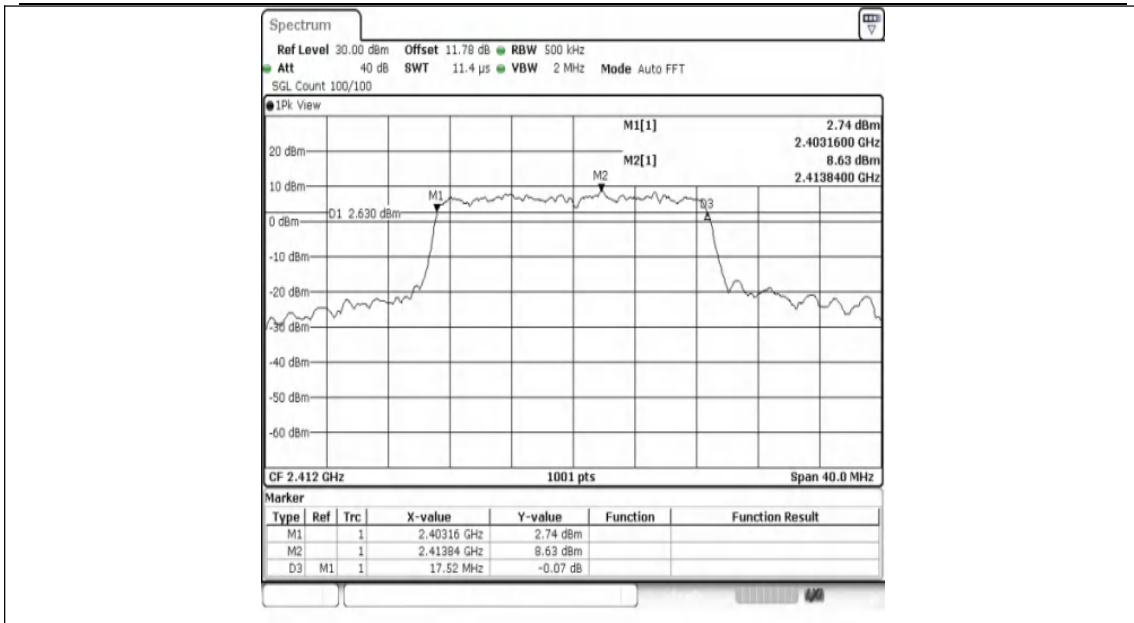




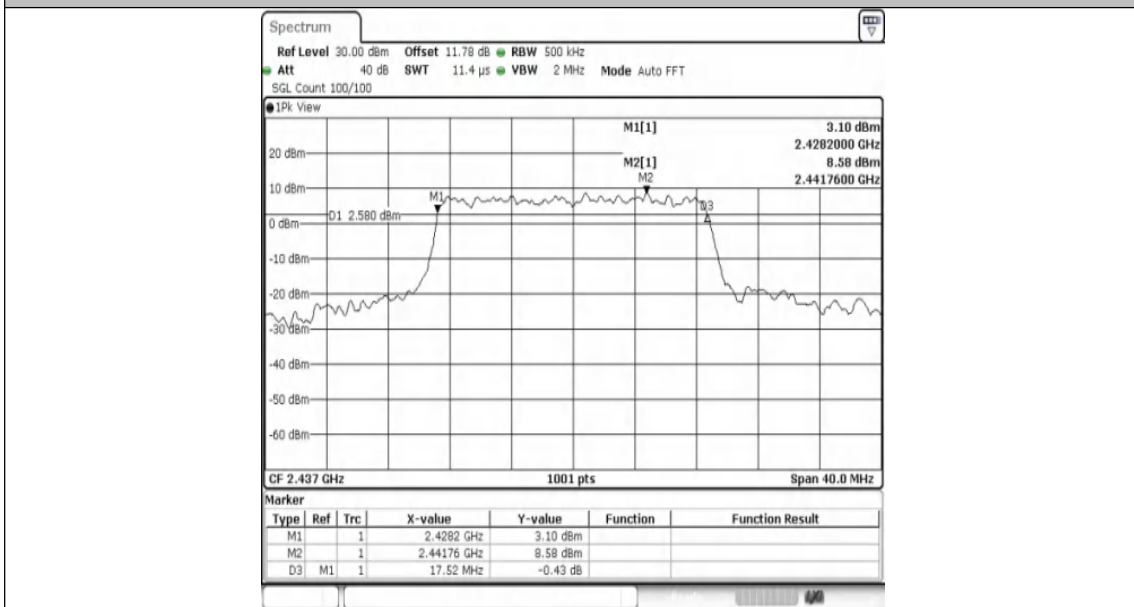
11G-Ant1-2437-PASS



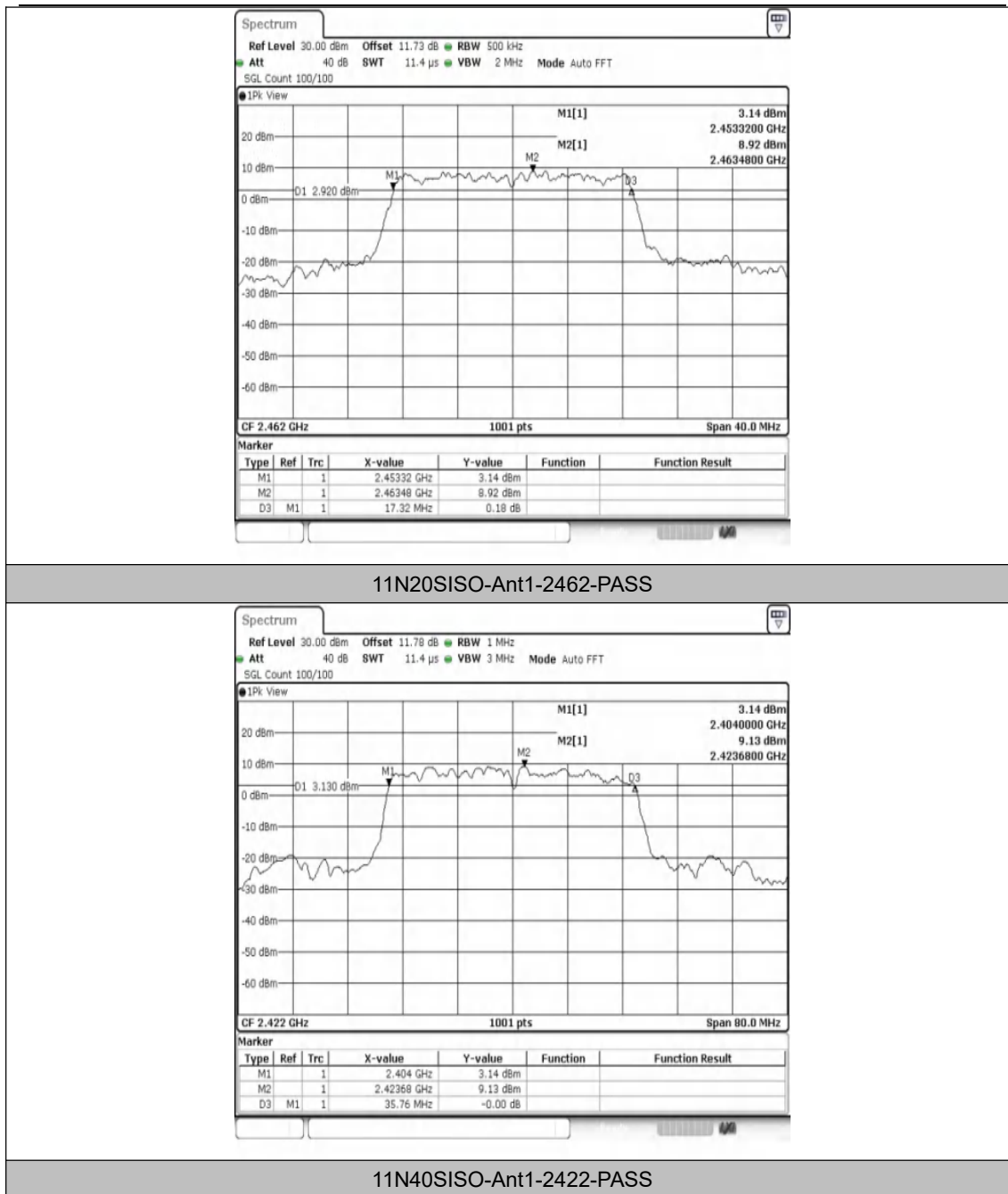
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



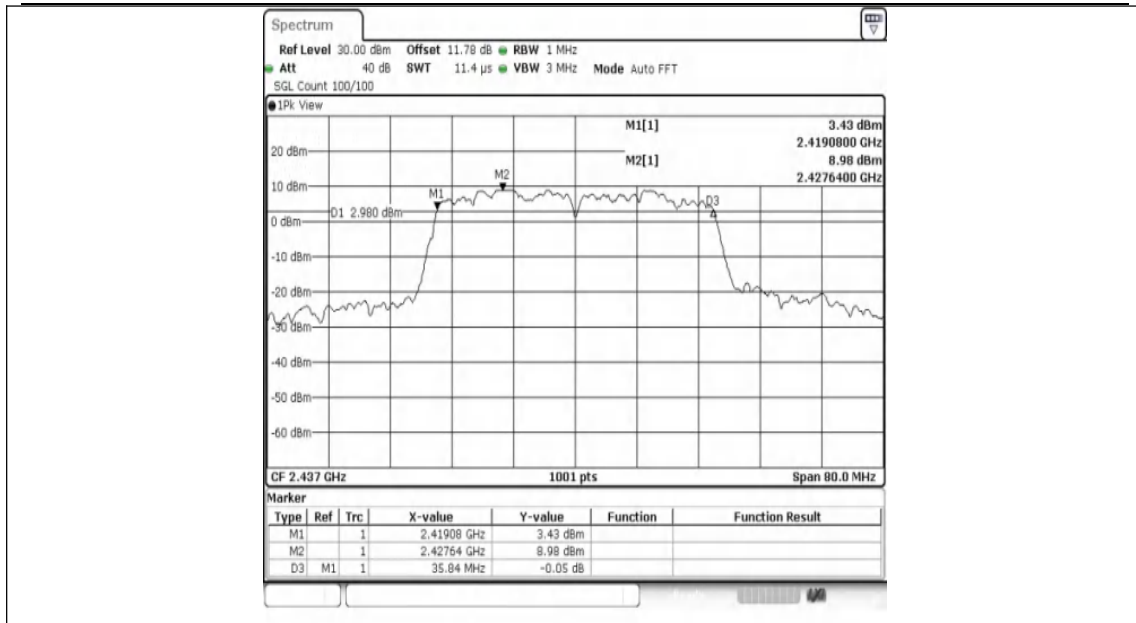
11N20SISO-Ant1-2437-PASS



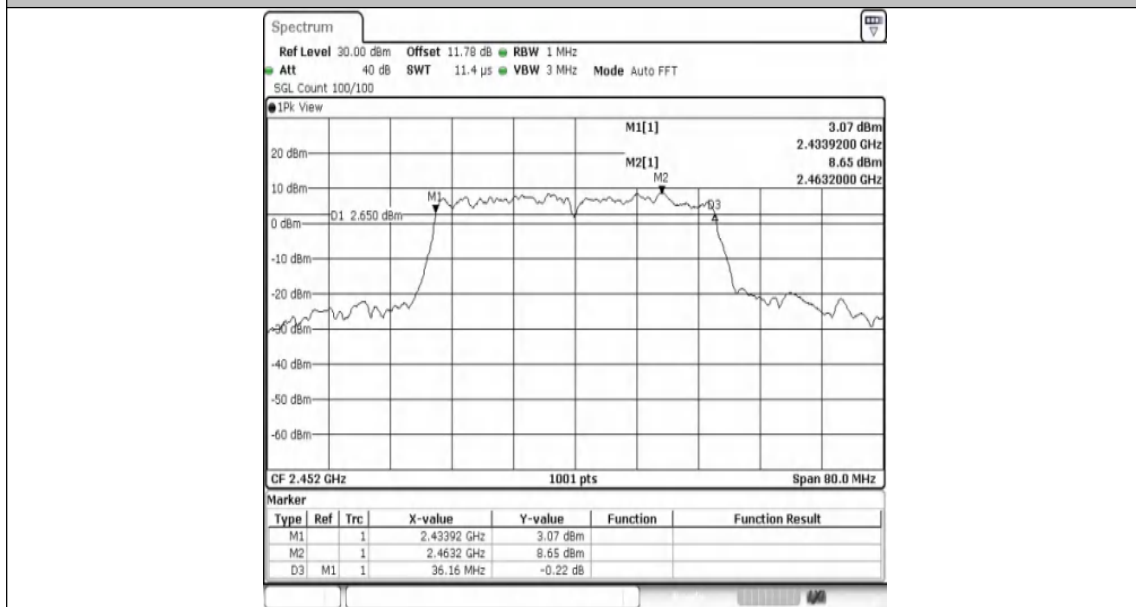
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11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

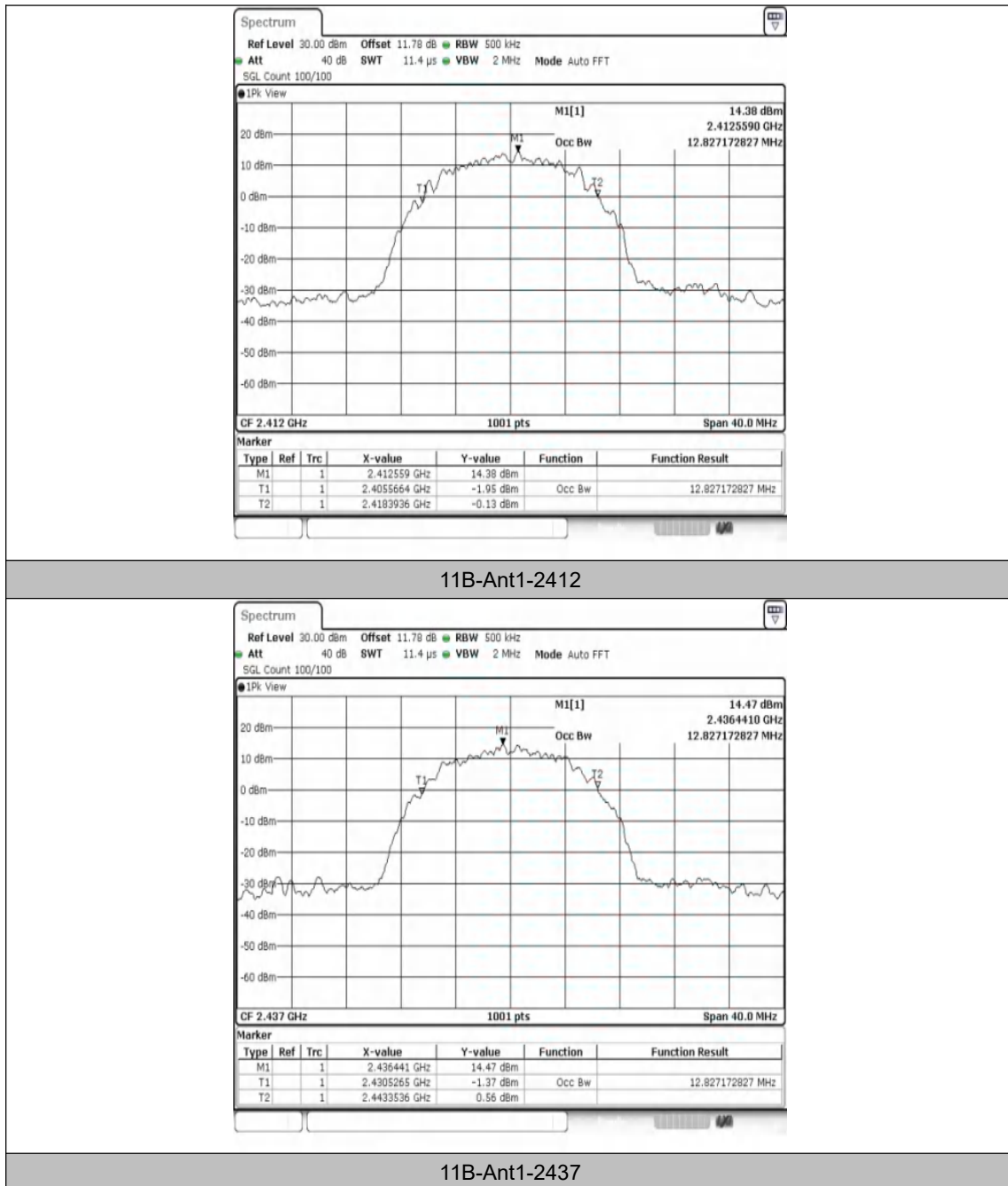
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.827	2405.5664	2418.3936	---	---
11B	Ant1	2437	12.827	2430.5265	2443.3536	---	---
11B	Ant1	2462	12.707	2455.6464	2468.3536	---	---
11G	Ant1	2412	16.823	2403.6484	2420.4715	---	---
11G	Ant1	2437	17.063	2428.4486	2445.5115	---	---
11G	Ant1	2462	17.023	2453.5285	2470.5514	---	---
11N20SISO	Ant1	2412	17.542	2403.2488	2420.7912	---	---
11N20SISO	Ant1	2437	17.742	2428.1688	2445.9111	---	---
11N20SISO	Ant1	2462	17.702	2453.1289	2470.8312	---	---
11N40SISO	Ant1	2422	36.044	2404.0180	2440.0619	---	---
11N40SISO	Ant1	2437	36.124	2419.0180	2455.1419	---	---
11N40SISO	Ant1	2452	36.364	2433.7782	2470.1419	---	---



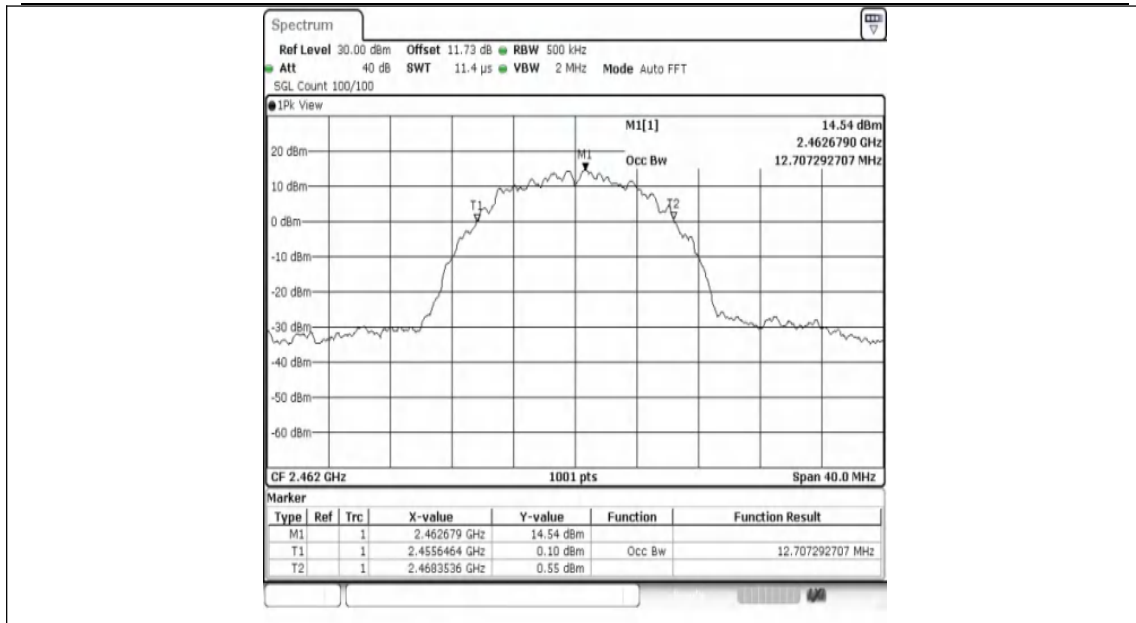
Test Graphs



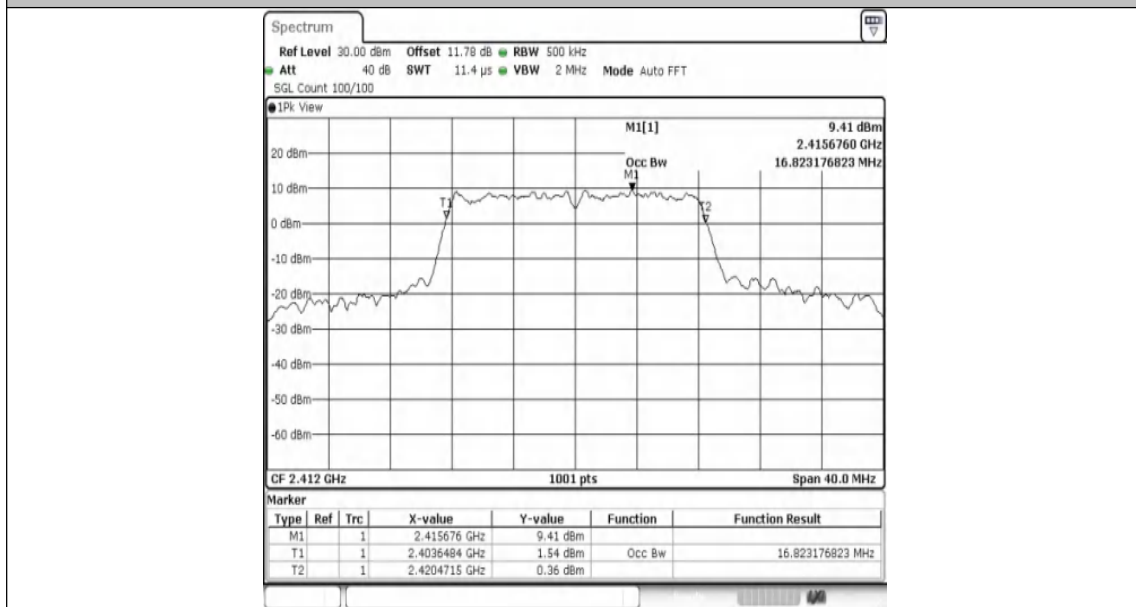
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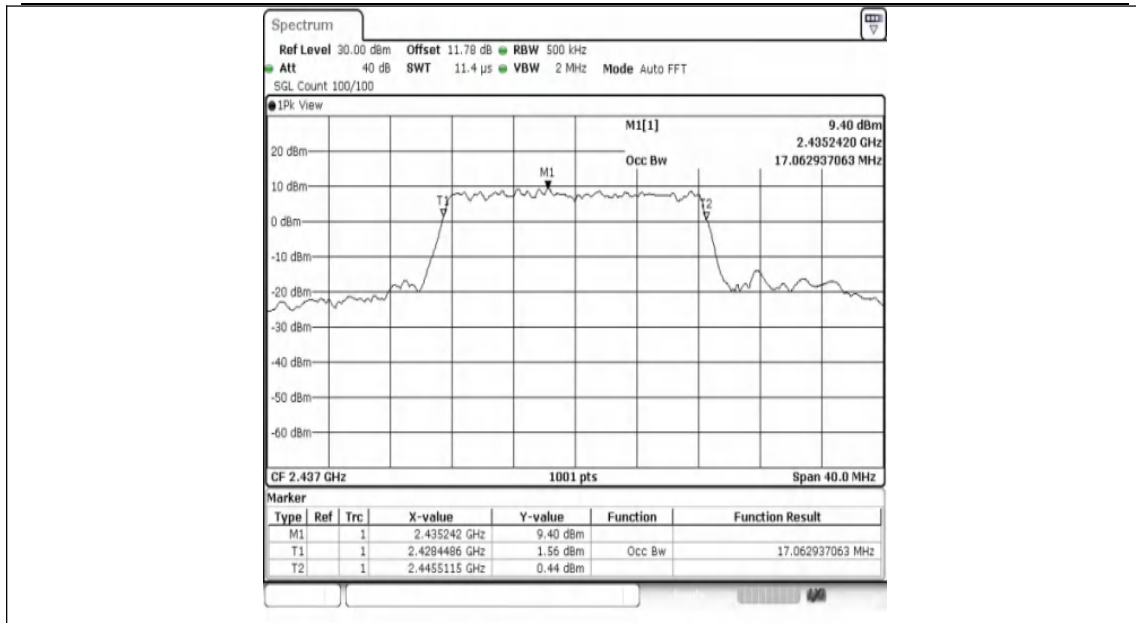
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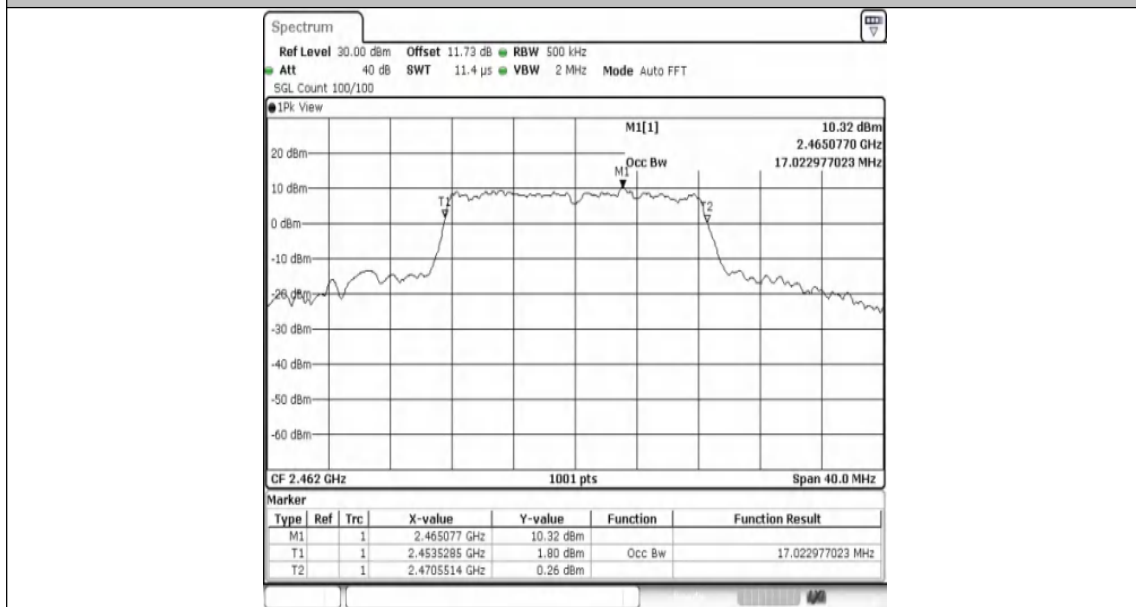
11B-Ant1-2462



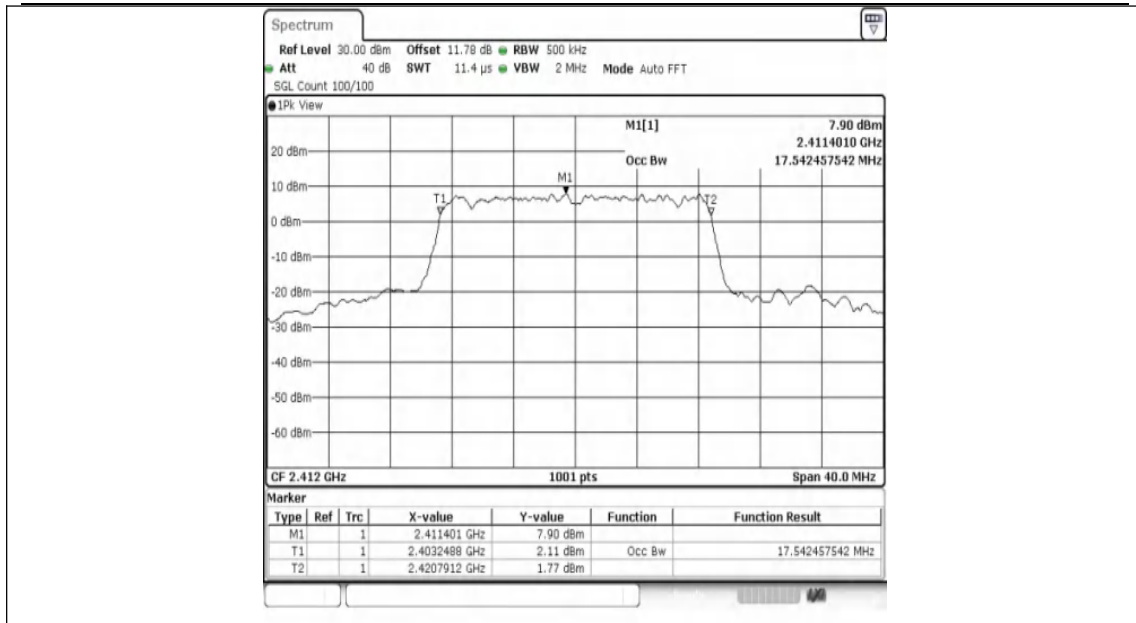
11G-Ant1-2412



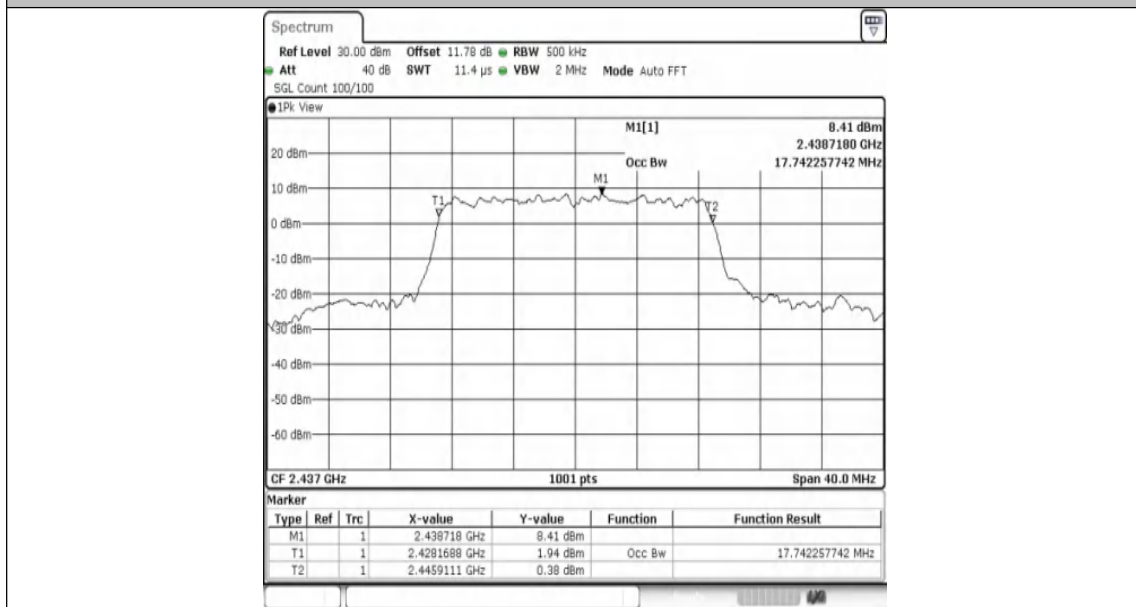
11G-Ant1-2437



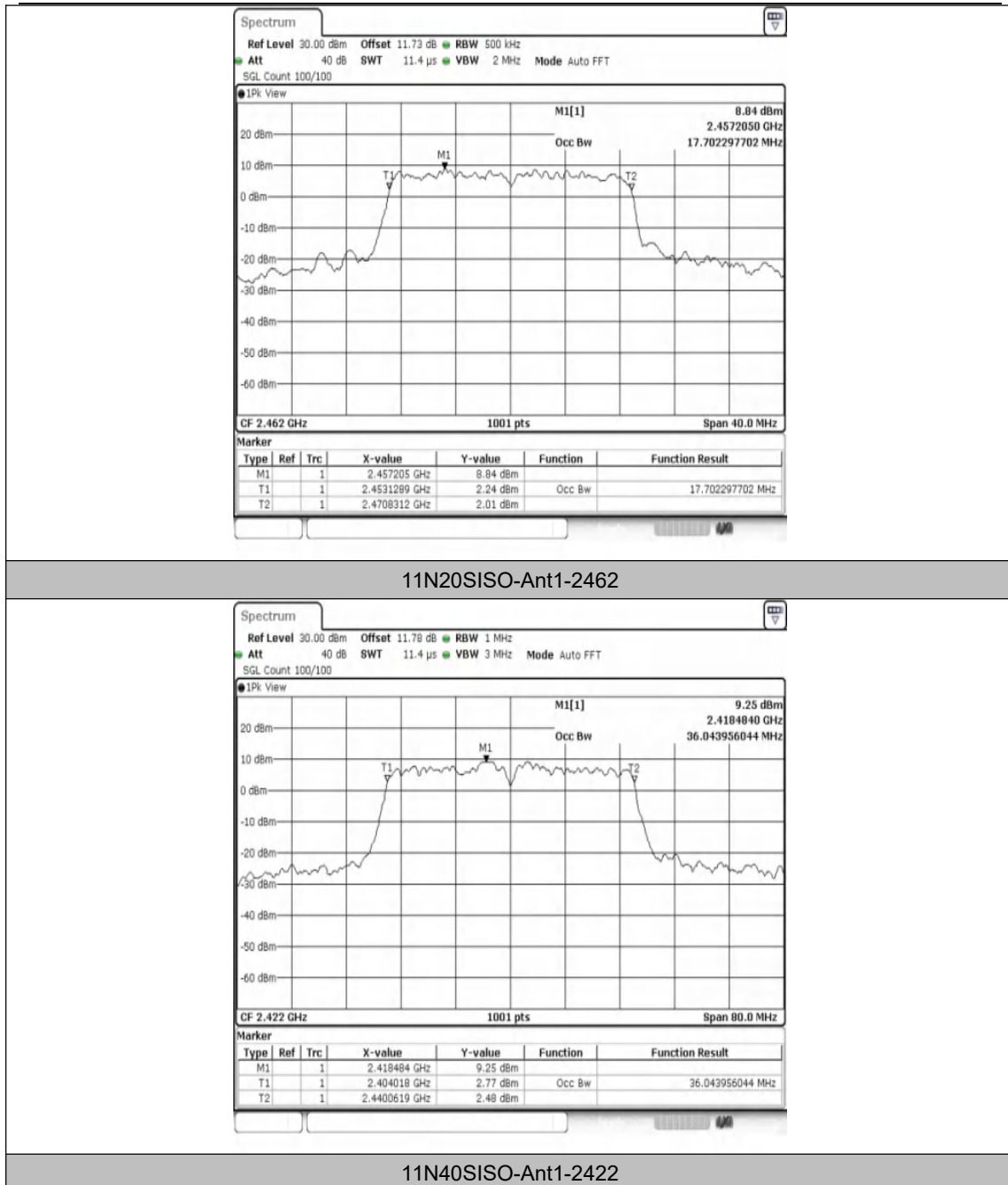
11G-Ant1-2462

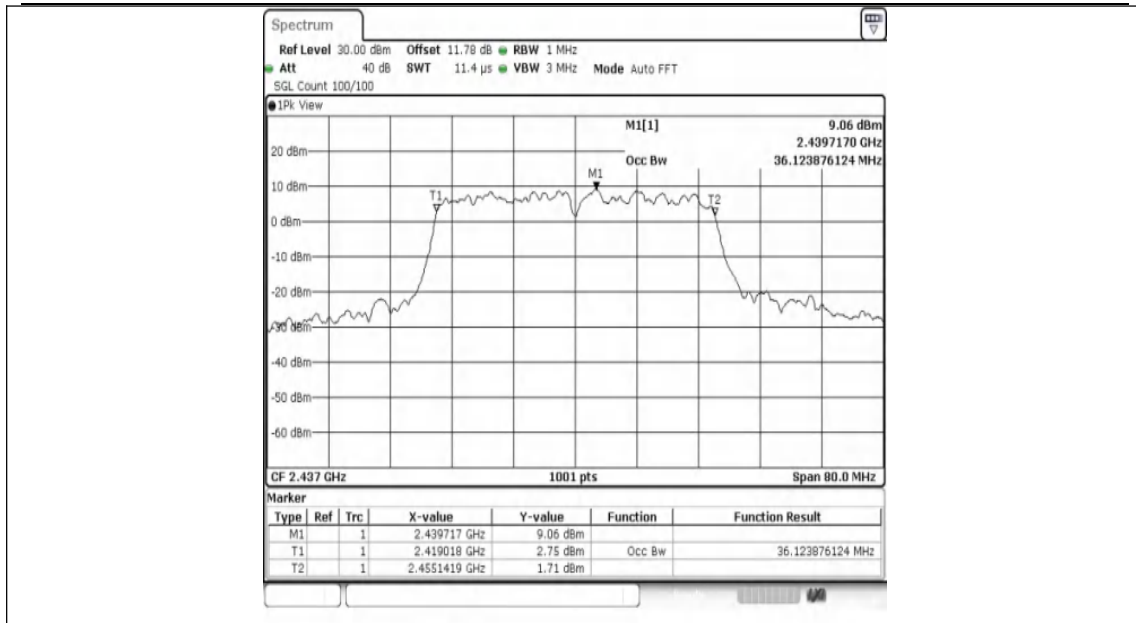


11N20SISO-Ant1-2412

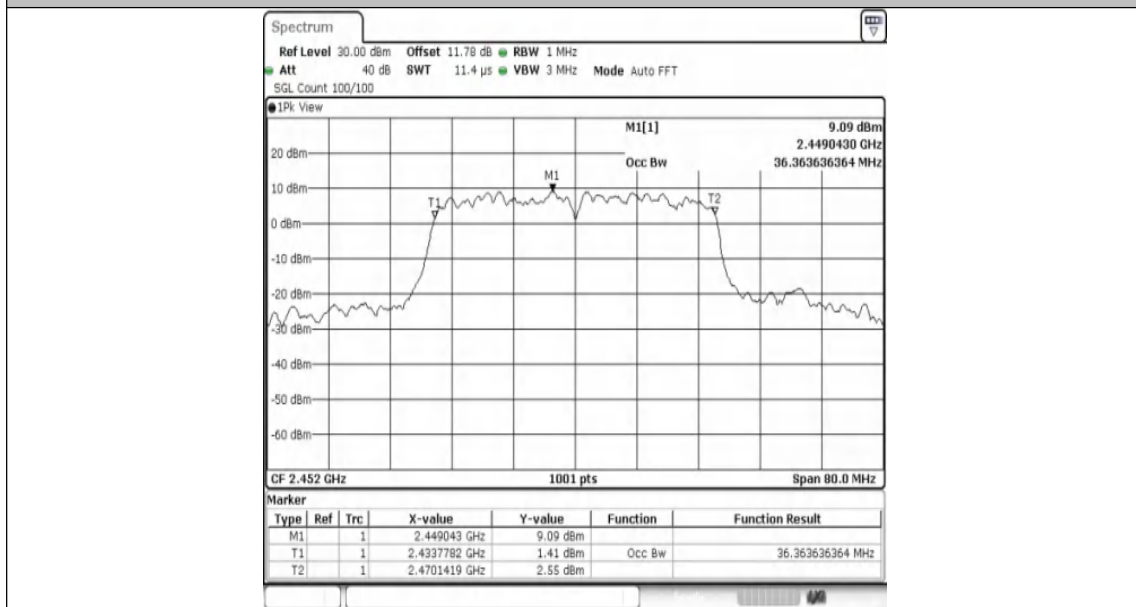


11N20SISO-Ant1-2437





11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

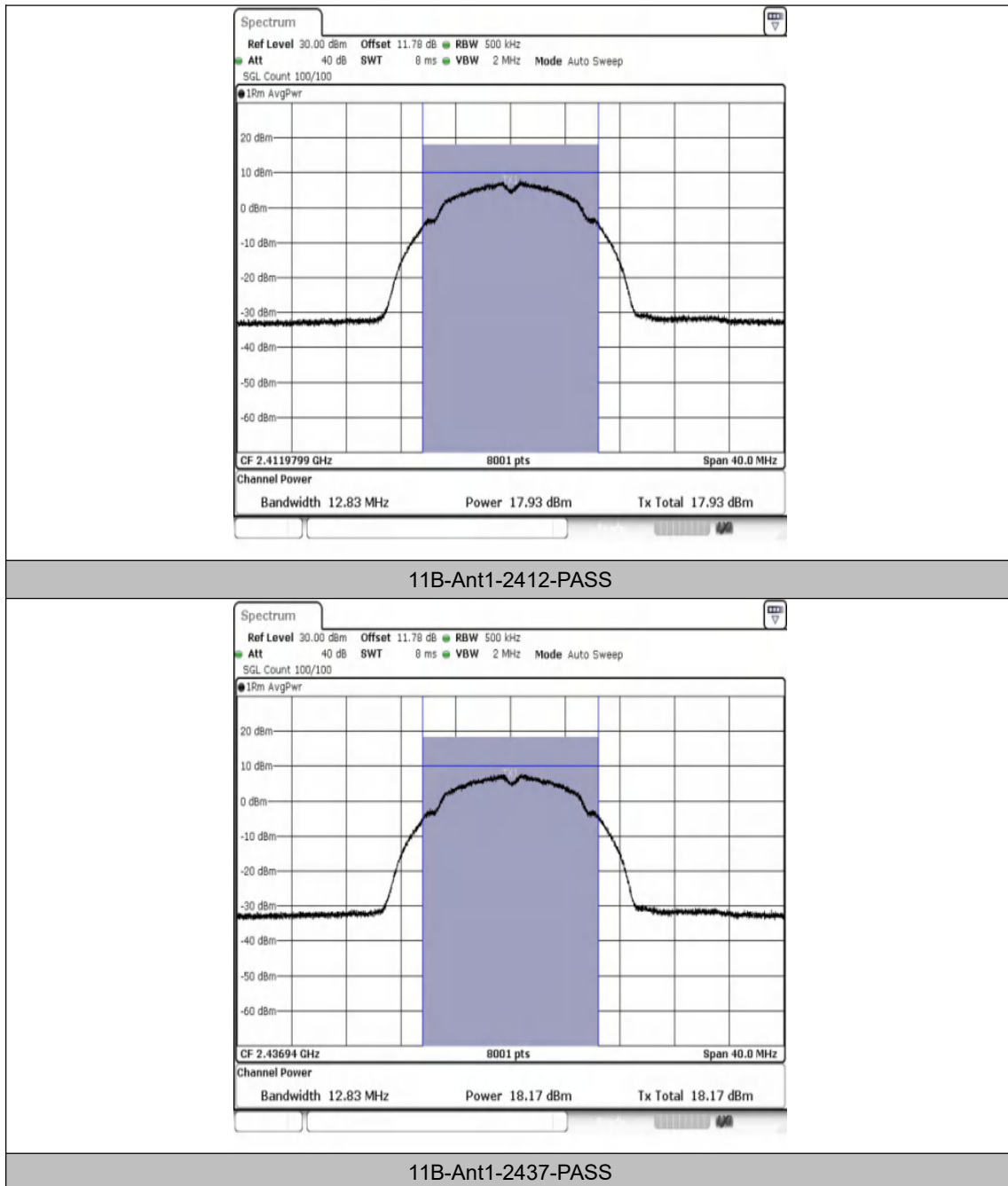
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.93	100.00	0.00	17.93	≤30.00	PASS
11B	Ant1	2437	18.17	100.00	0.00	18.17	≤30.00	PASS
11B	Ant1	2462	18.38	100.00	0.00	18.38	≤30.00	PASS
11G	Ant1	2412	17.14	100.00	0.00	17.14	≤30.00	PASS
11G	Ant1	2437	17.27	100.00	0.00	17.27	≤30.00	PASS
11G	Ant1	2462	17.67	100.00	0.00	17.67	≤30.00	PASS
11N20SISO	Ant1	2412	16.13	100.00	0.00	16.13	≤30.00	PASS
11N20SISO	Ant1	2437	16.40	100.00	0.00	16.40	≤30.00	PASS
11N20SISO	Ant1	2462	16.58	100.00	0.00	16.58	≤30.00	PASS
11N40SISO	Ant1	2422	15.75	100.00	0.00	15.75	≤30.00	PASS
11N40SISO	Ant1	2437	15.93	100.00	0.00	15.93	≤30.00	PASS
11N40SISO	Ant1	2452	15.91	100.00	0.00	15.91	≤30.00	PASS

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

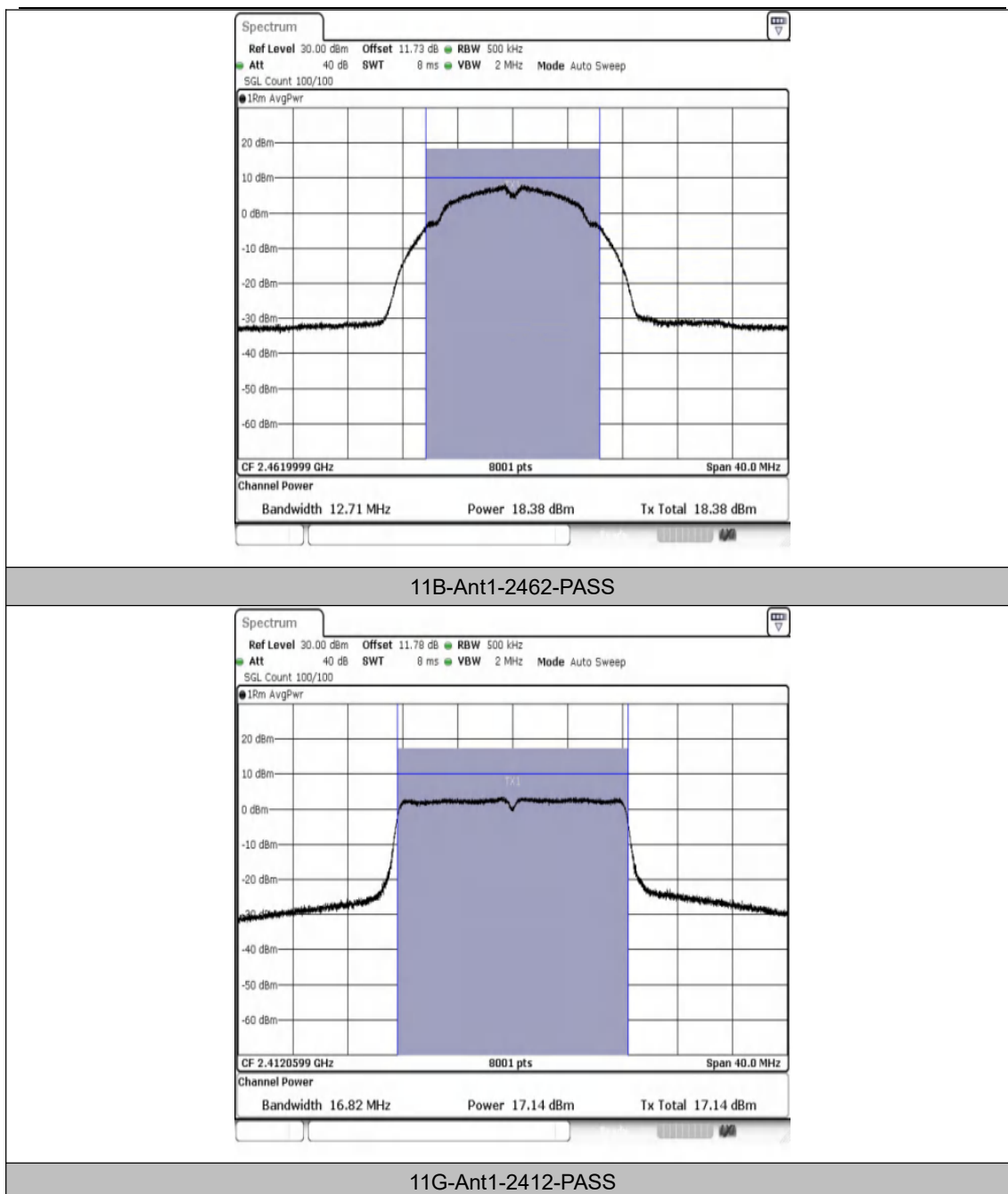
Test Graphs Average

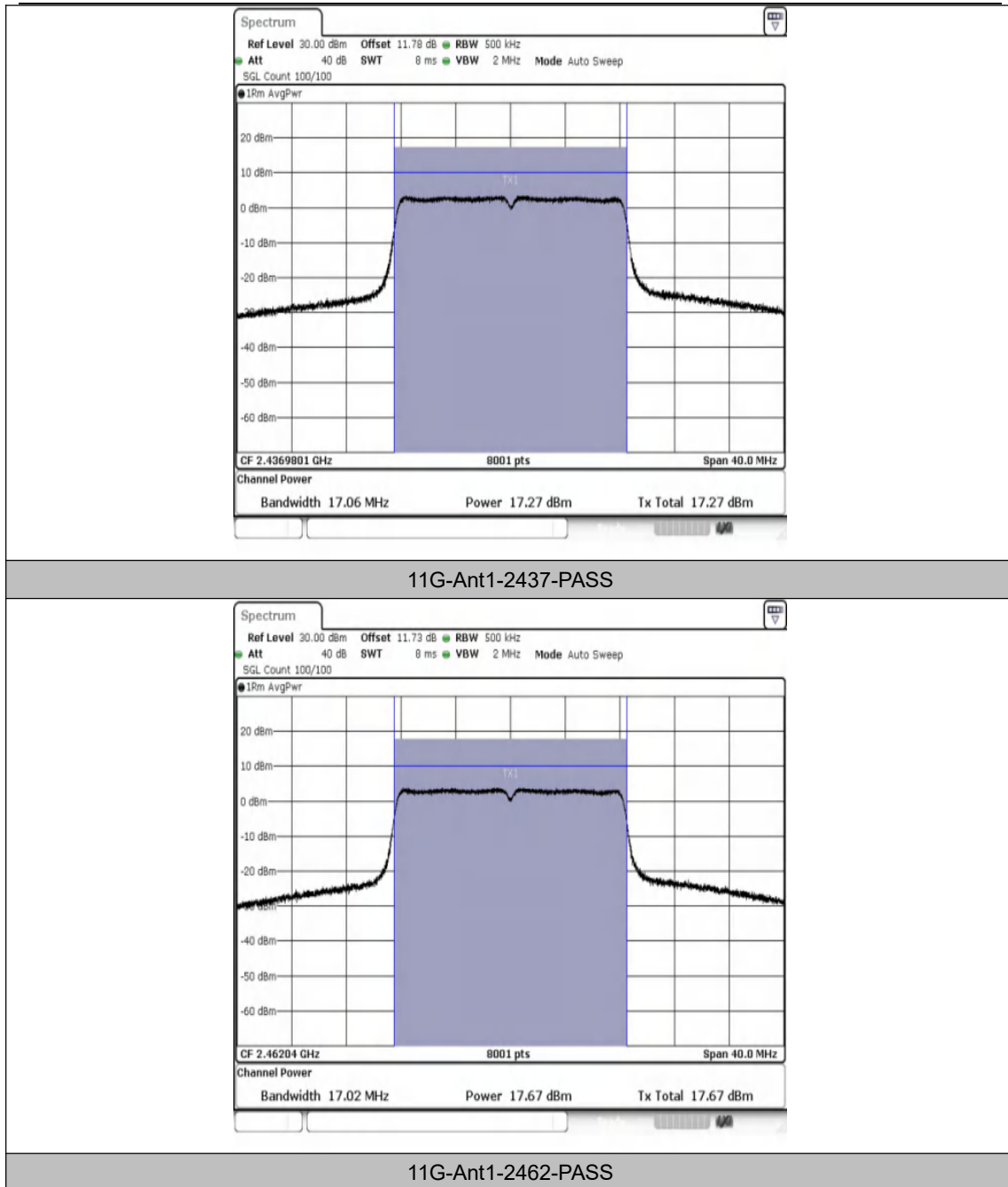


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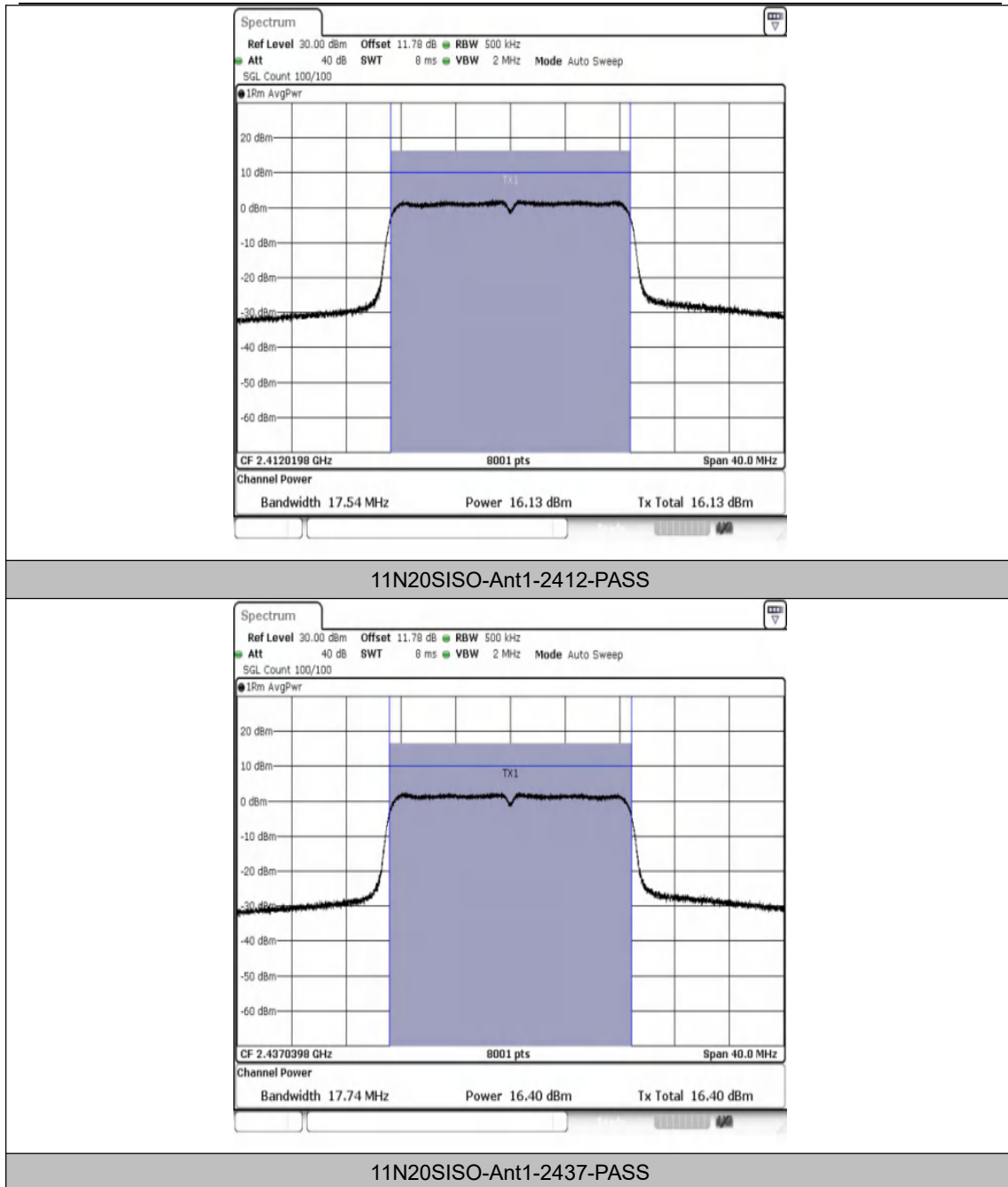




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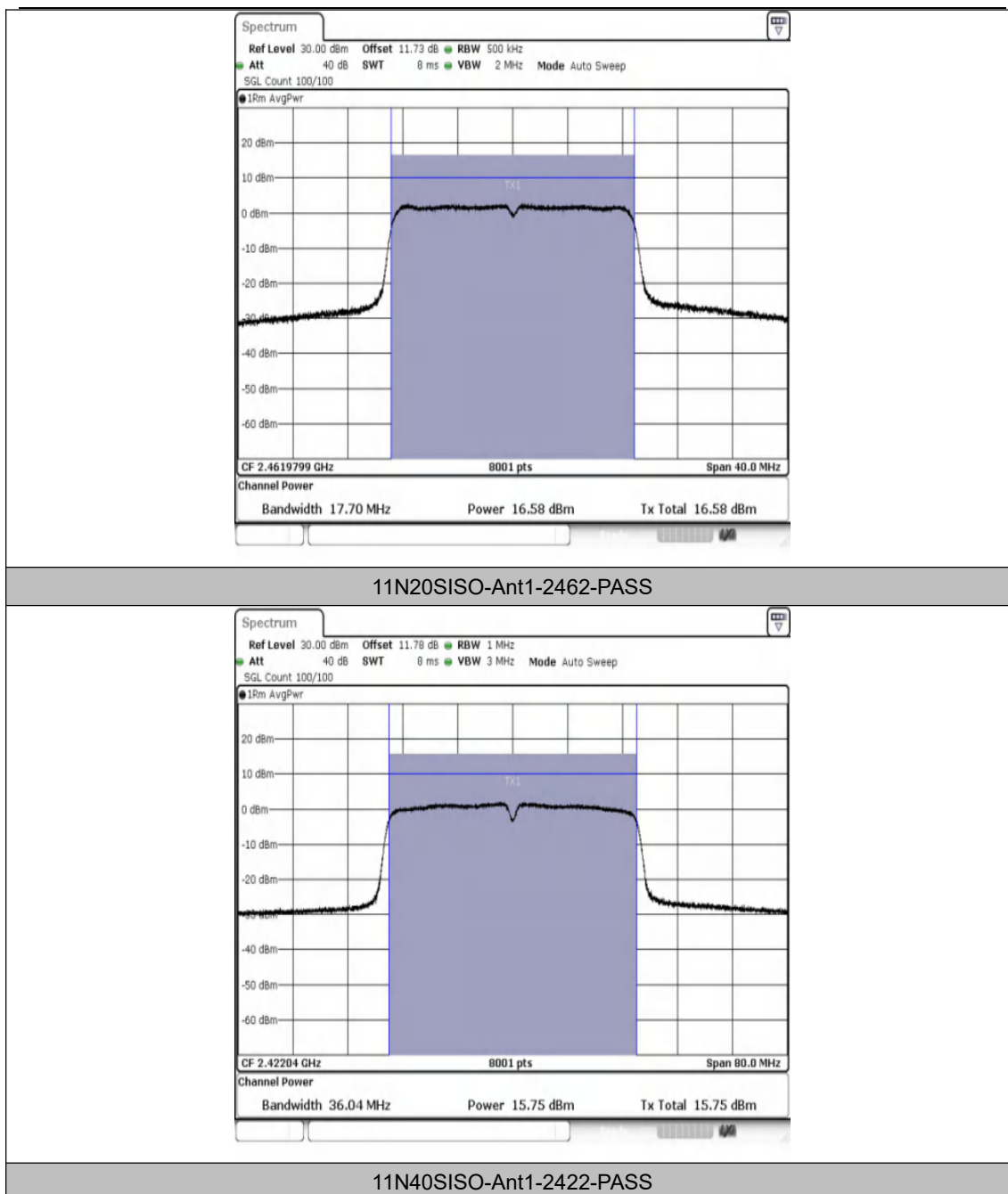
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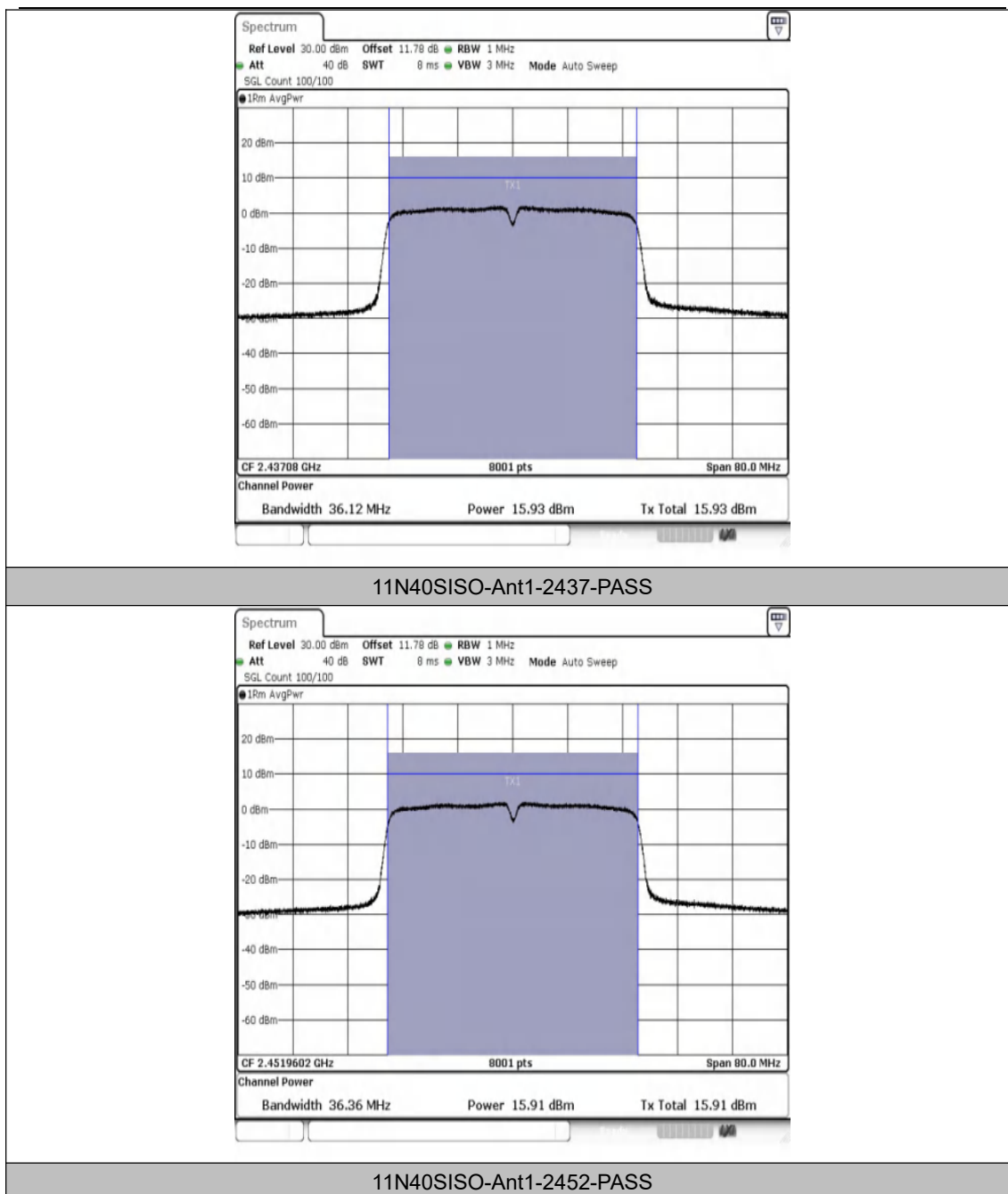
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Appendix D: Maximum power spectral density

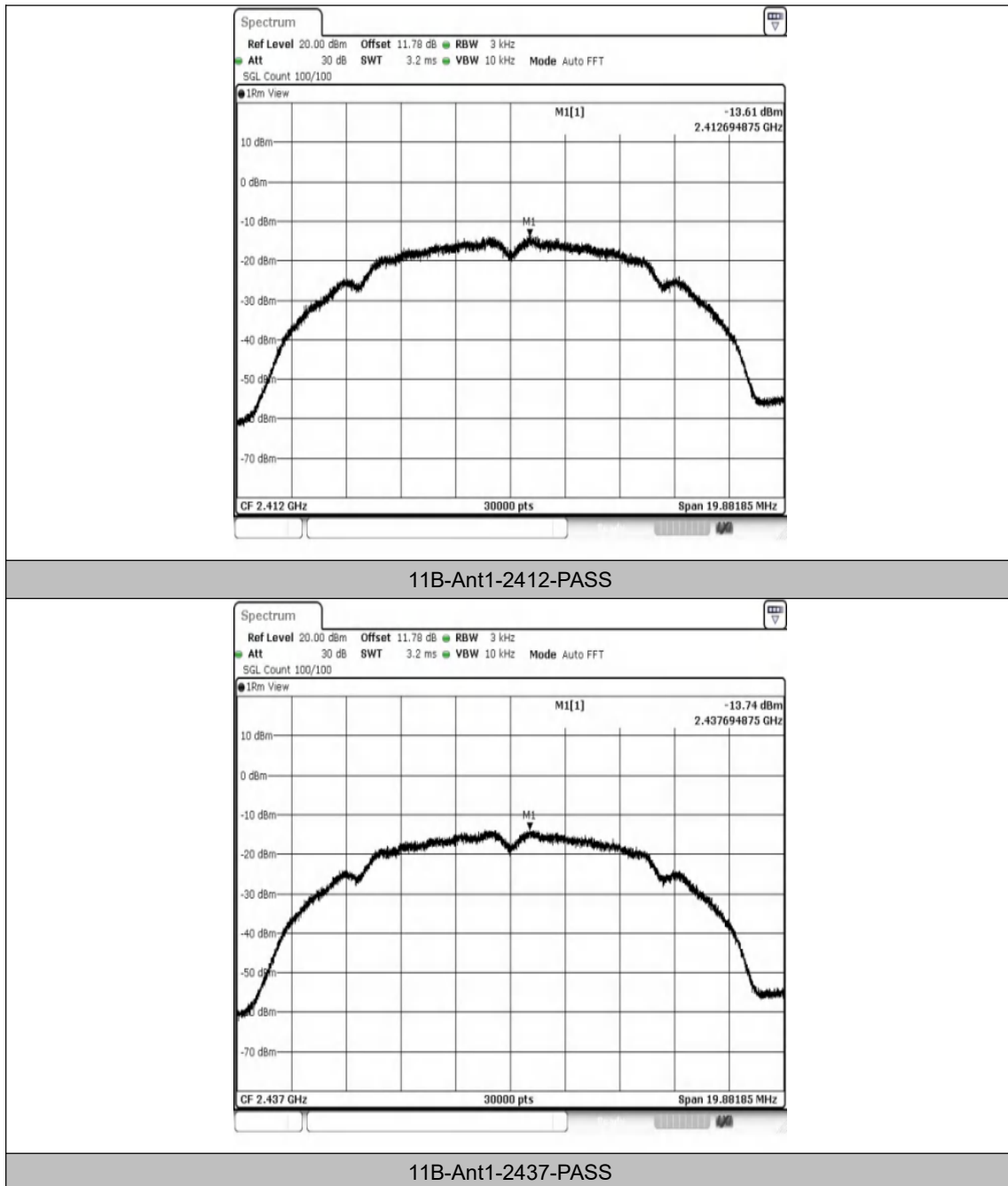
Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-13.61	0.00	-13.61	≤8.00	PASS
11B	Ant1	2437	-13.74	0.00	-13.74	≤8.00	PASS
11B	Ant1	2462	-13.02	0.00	-13.02	≤8.00	PASS
11G	Ant1	2412	-15.85	0.00	-15.85	≤8.00	PASS
11G	Ant1	2437	-15.38	0.00	-15.38	≤8.00	PASS
11G	Ant1	2462	-15.14	0.00	-15.14	≤8.00	PASS
11N20SISO	Ant1	2412	-16.69	0.00	-16.69	≤8.00	PASS
11N20SISO	Ant1	2437	-16.38	0.00	-16.38	≤8.00	PASS
11N20SISO	Ant1	2462	-15.99	0.00	-15.99	≤8.00	PASS
11N40SISO	Ant1	2422	-16.07	0.00	-16.07	≤8.00	PASS
11N40SISO	Ant1	2437	-15.78	0.00	-15.78	≤8.00	PASS
11N40SISO	Ant1	2452	-16.48	0.00	-16.48	≤8.00	PASS

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



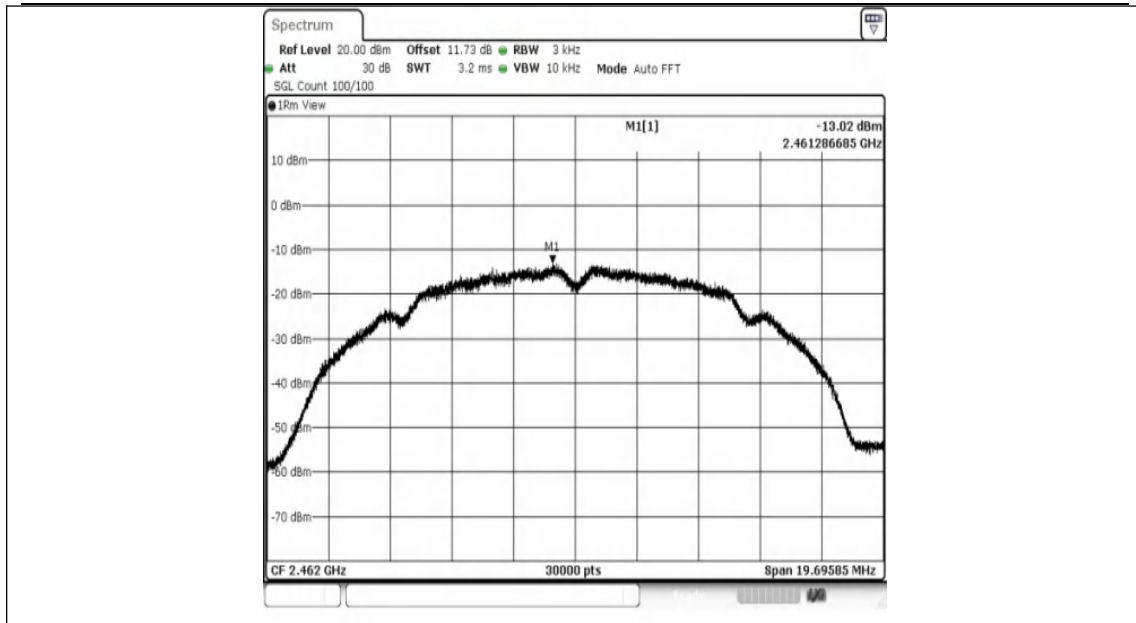
Test Graphs



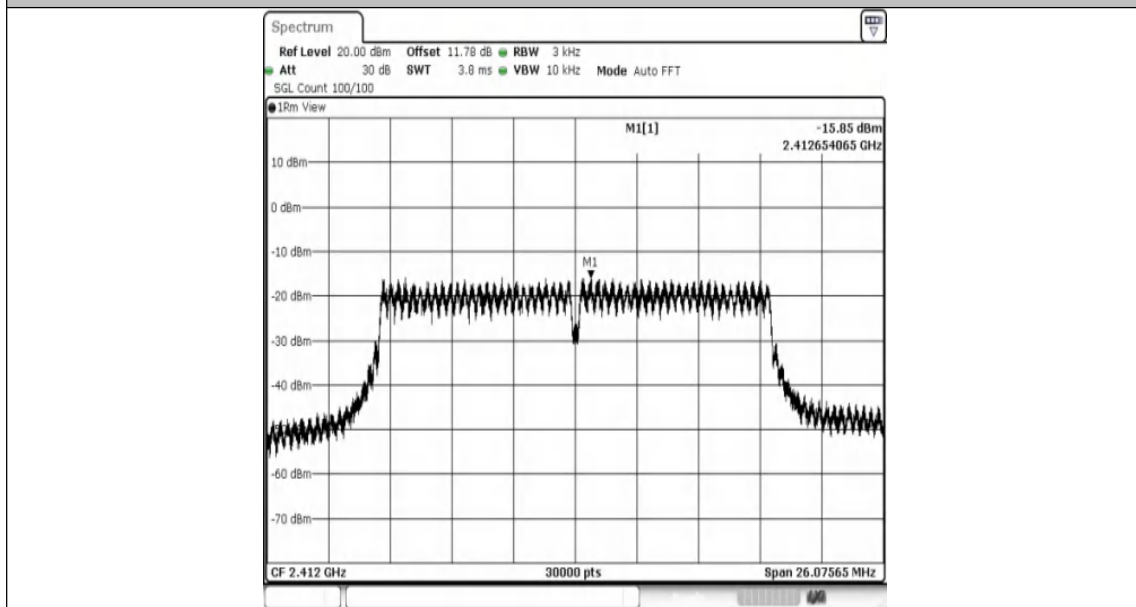
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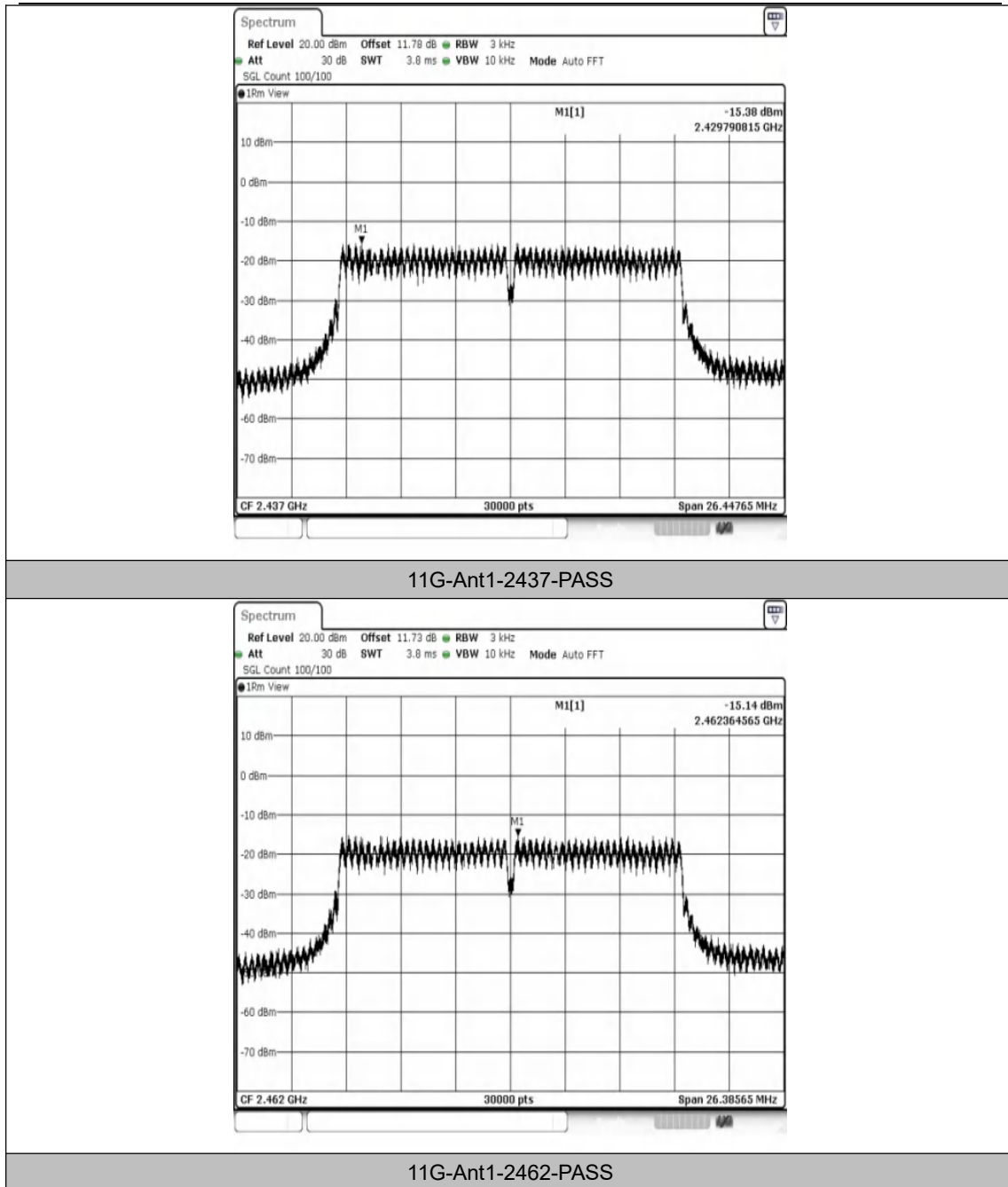
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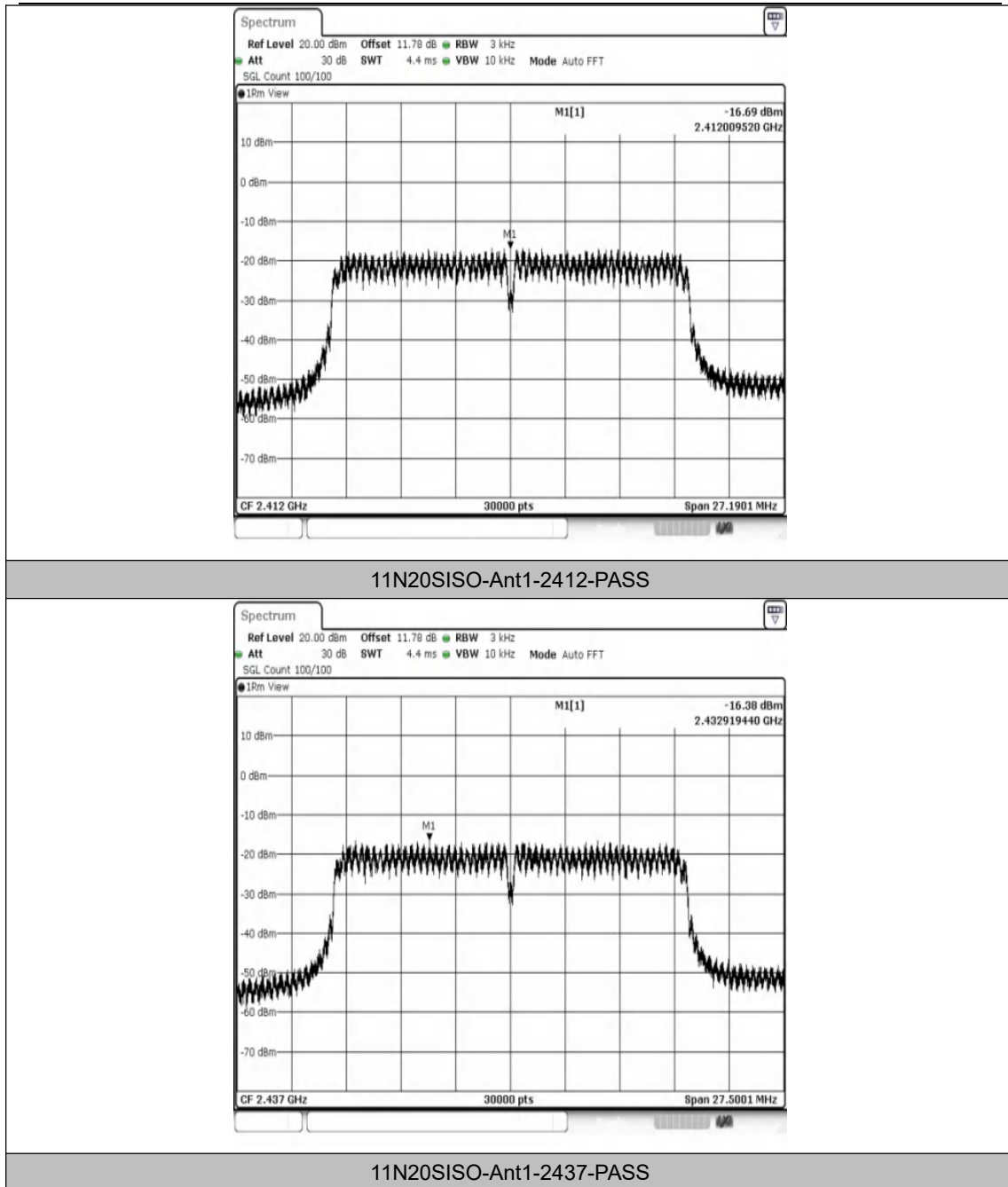


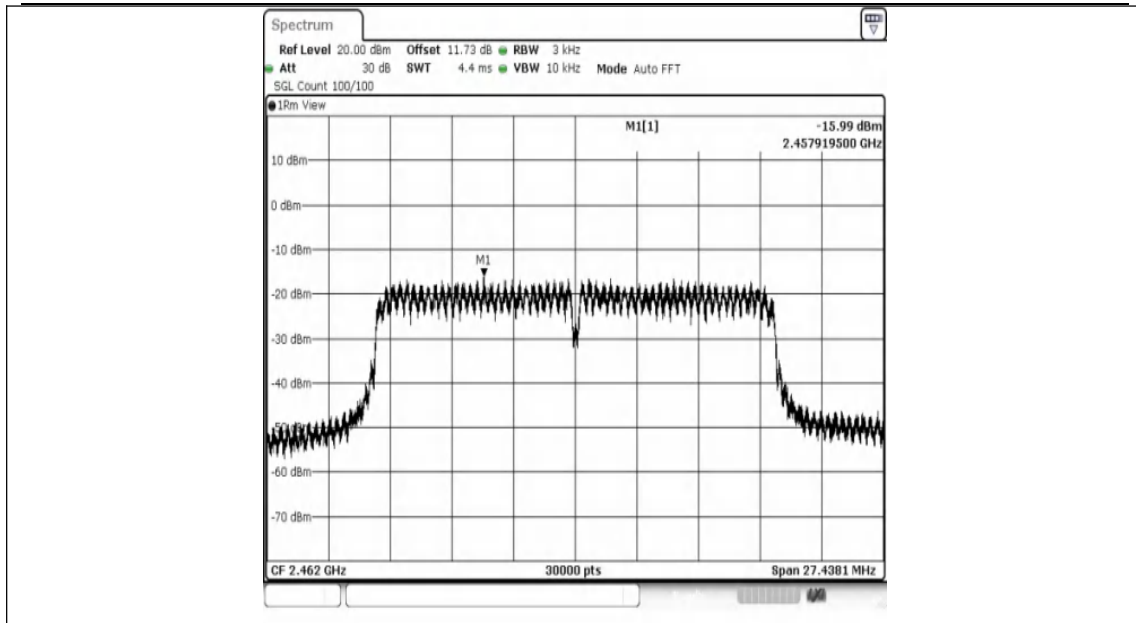
11B-Ant1-2462-PASS



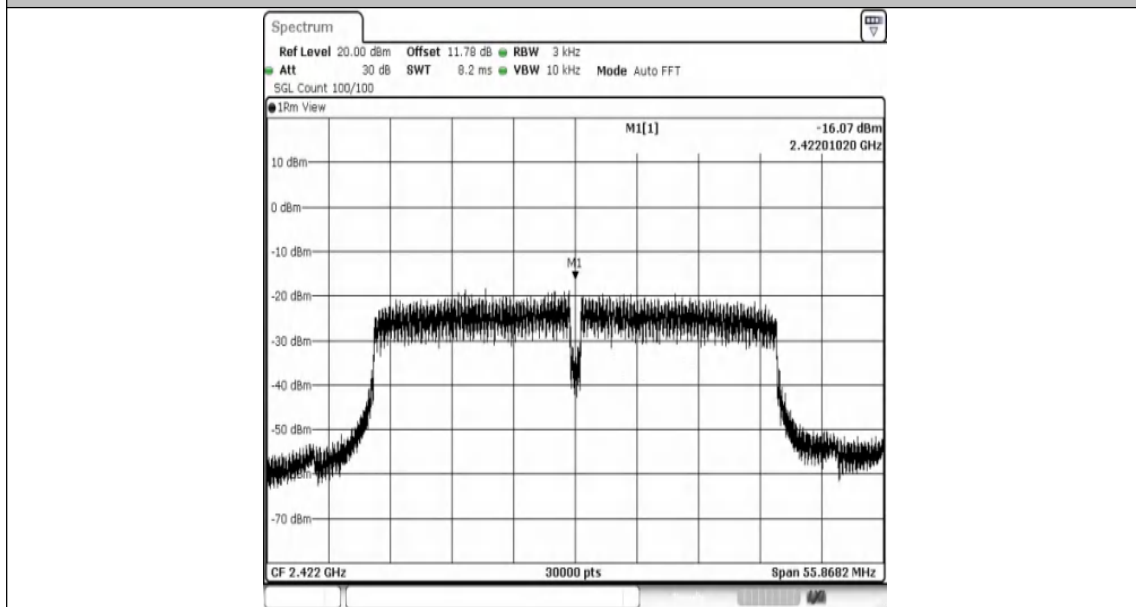
11G-Ant1-2412-PASS



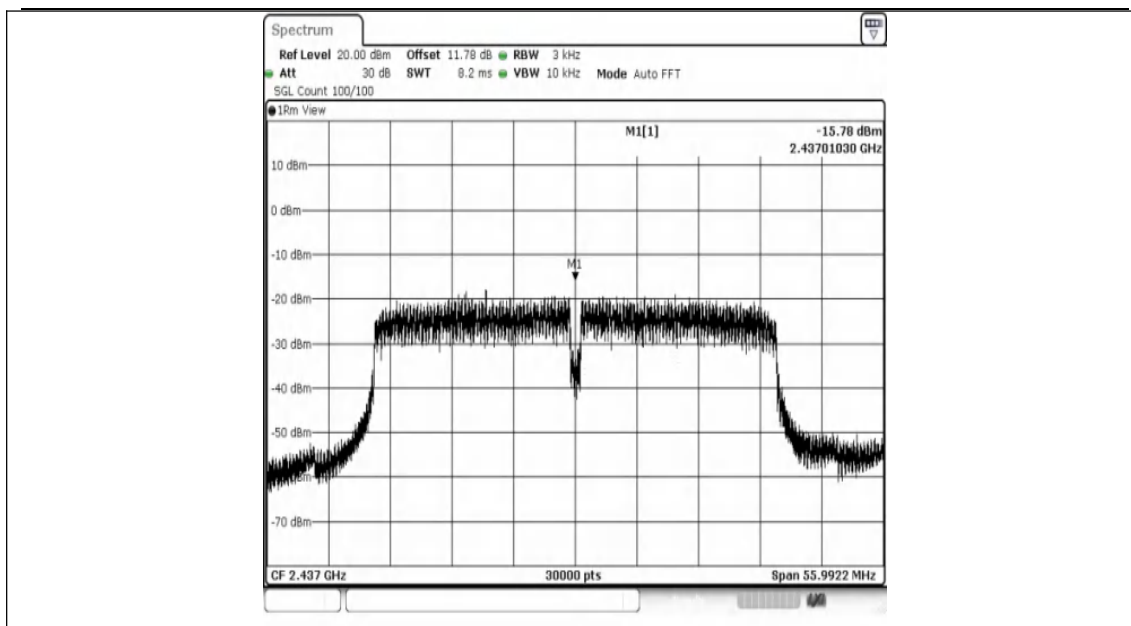




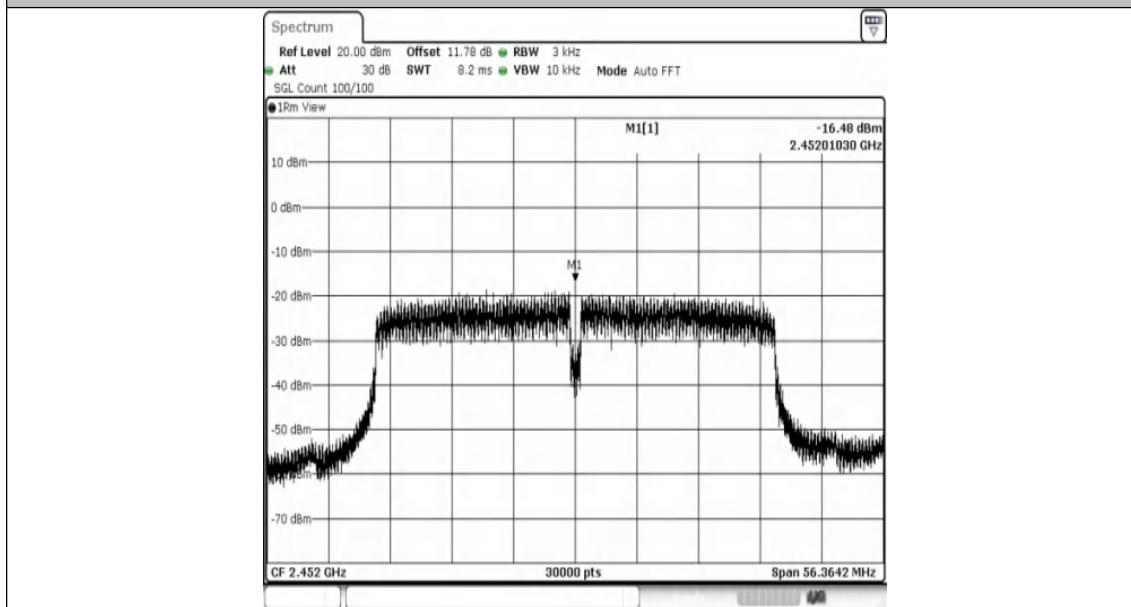
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

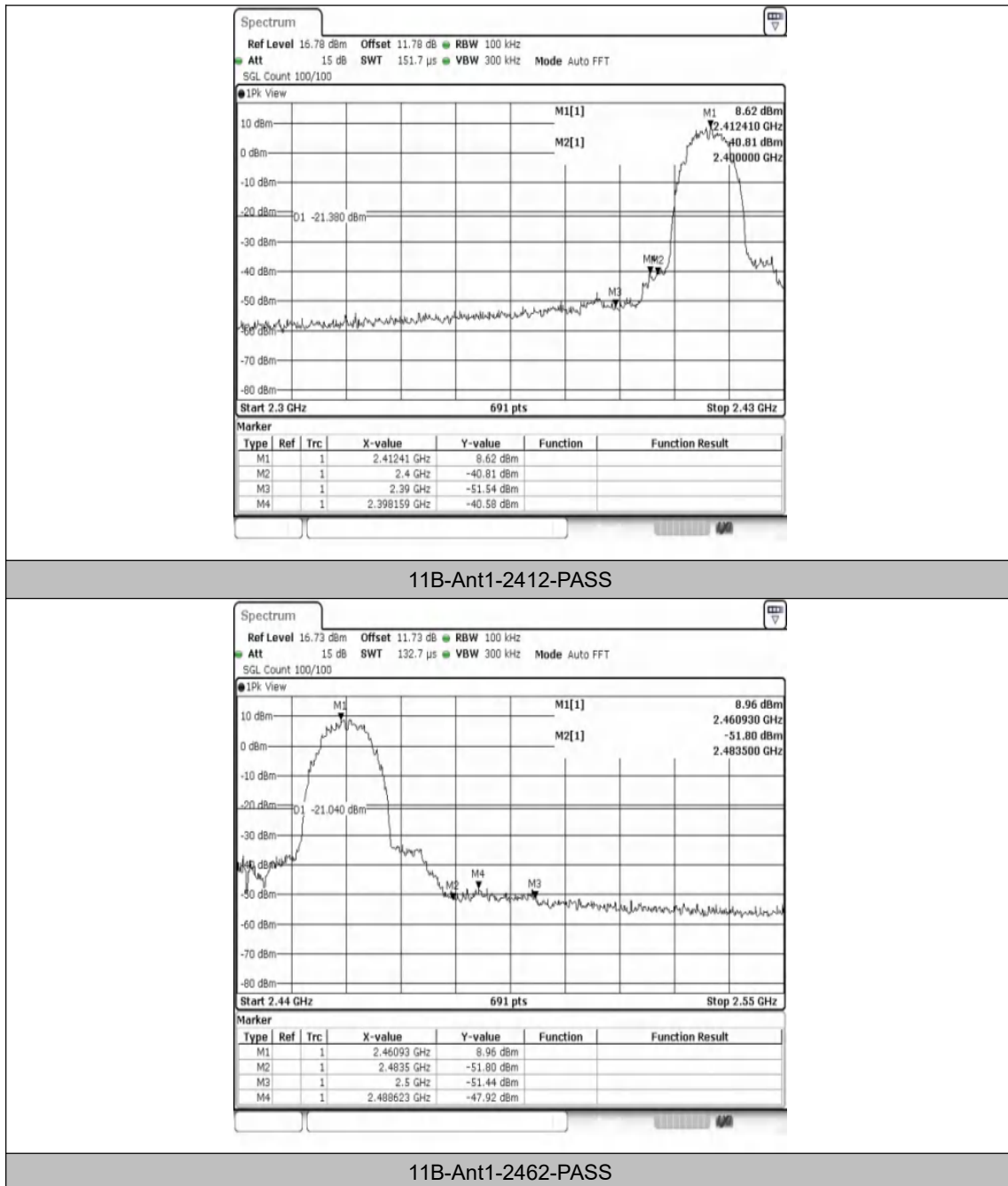
Appendix E: Conducted Band edge

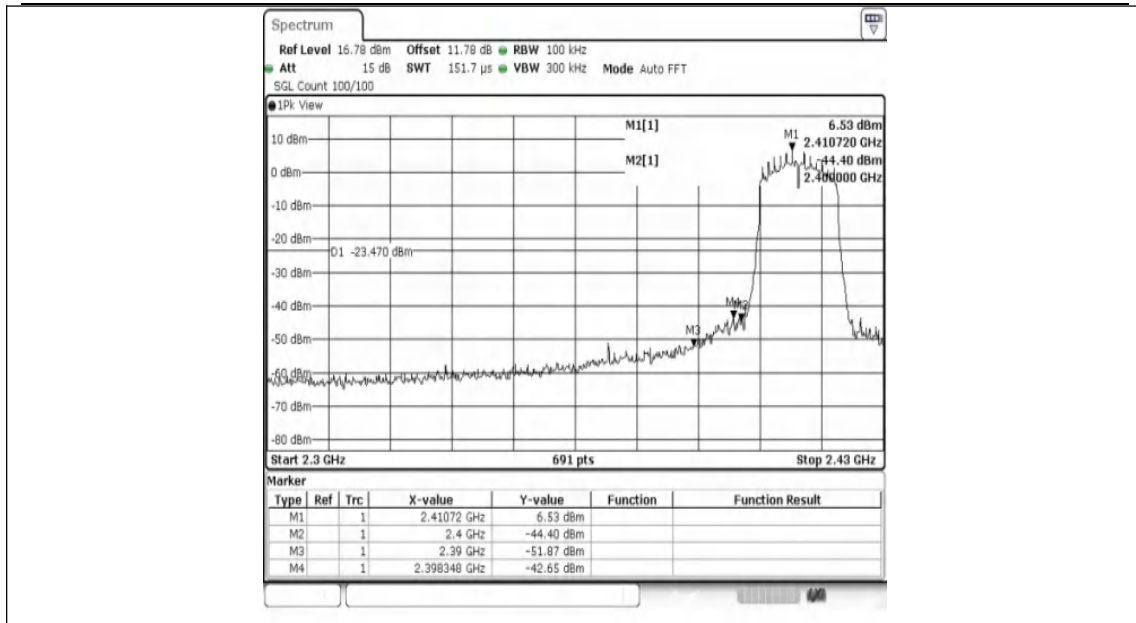
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.62	-40.58	≤-21.38	PASS
11B	Ant1	High	2462	8.96	-47.92	≤-21.04	PASS
11G	Ant1	Low	2412	6.53	-42.65	≤-23.47	PASS
11G	Ant1	High	2462	3.58	-32.23	≤-26.42	PASS
11N20SISO	Ant1	Low	2412	6.60	-40.32	≤-23.4	PASS
11N20SISO	Ant1	High	2462	1.72	-34.7	≤-28.28	PASS
11N40SISO	Ant1	Low	2422	3.02	-44.82	≤-26.98	PASS
11N40SISO	Ant1	High	2452	3.16	-43.13	≤-26.84	PASS

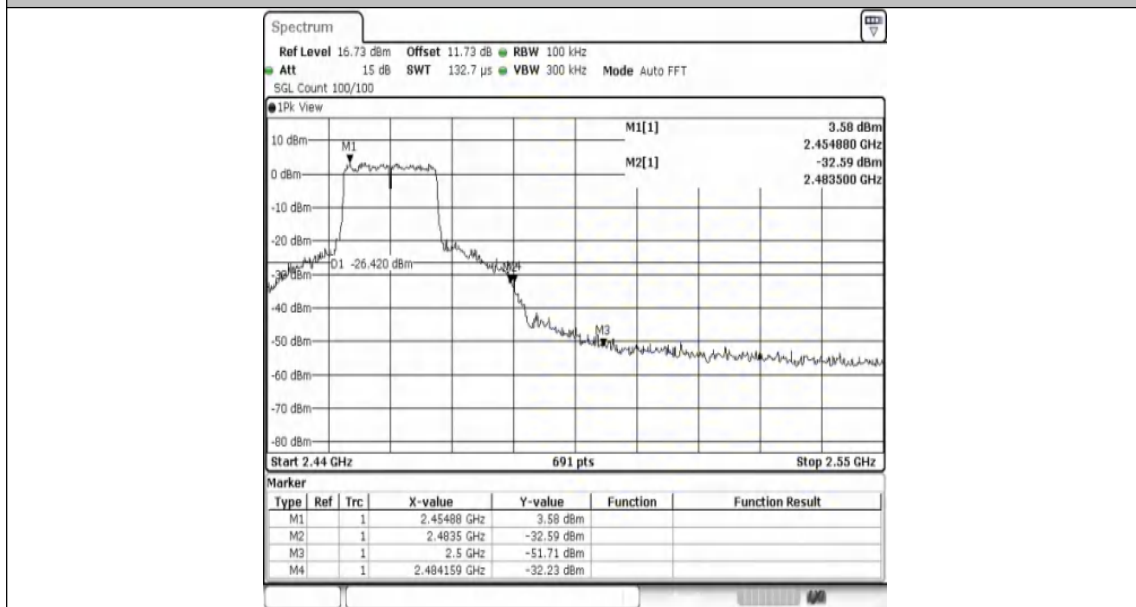


Test Graphs

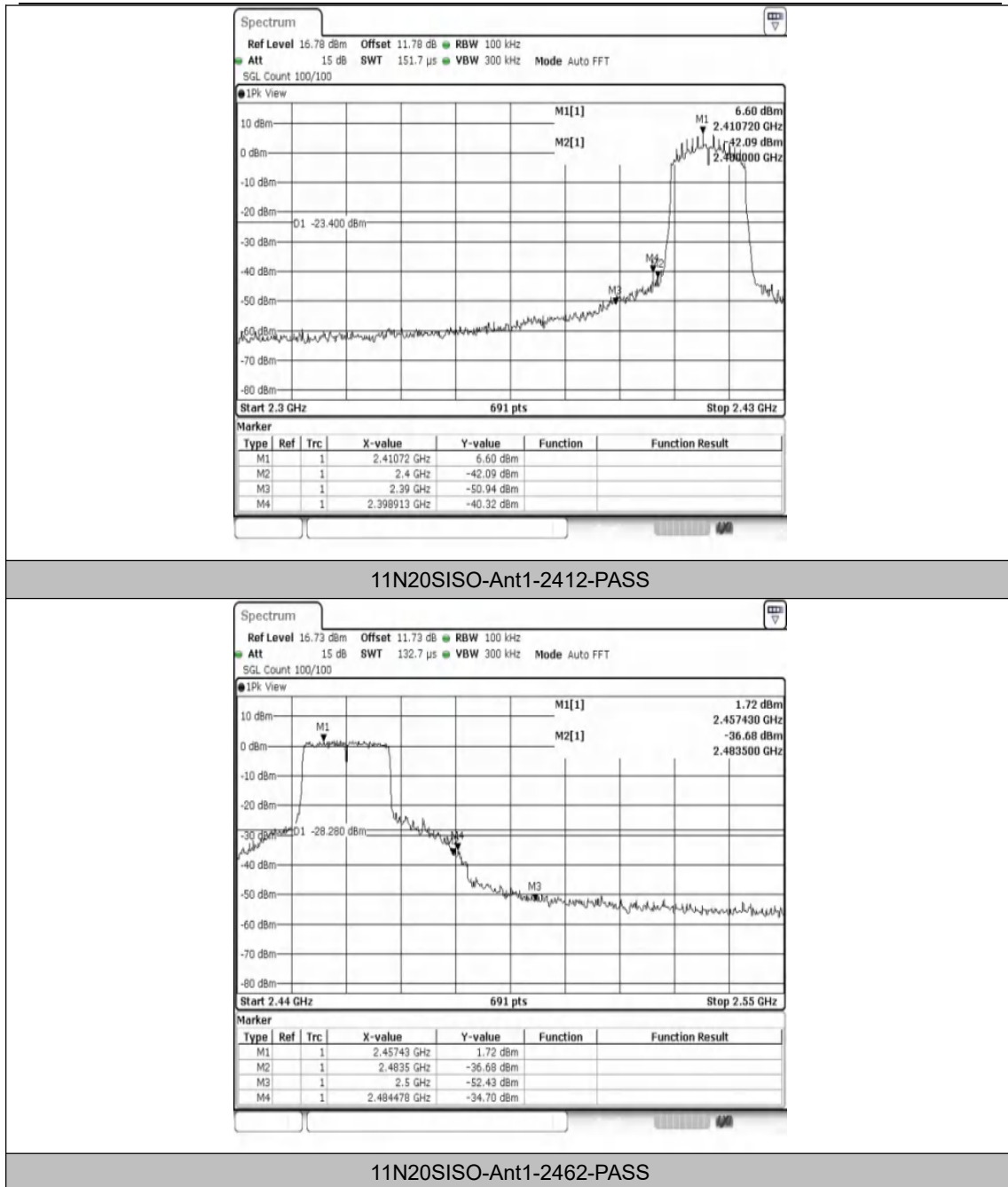


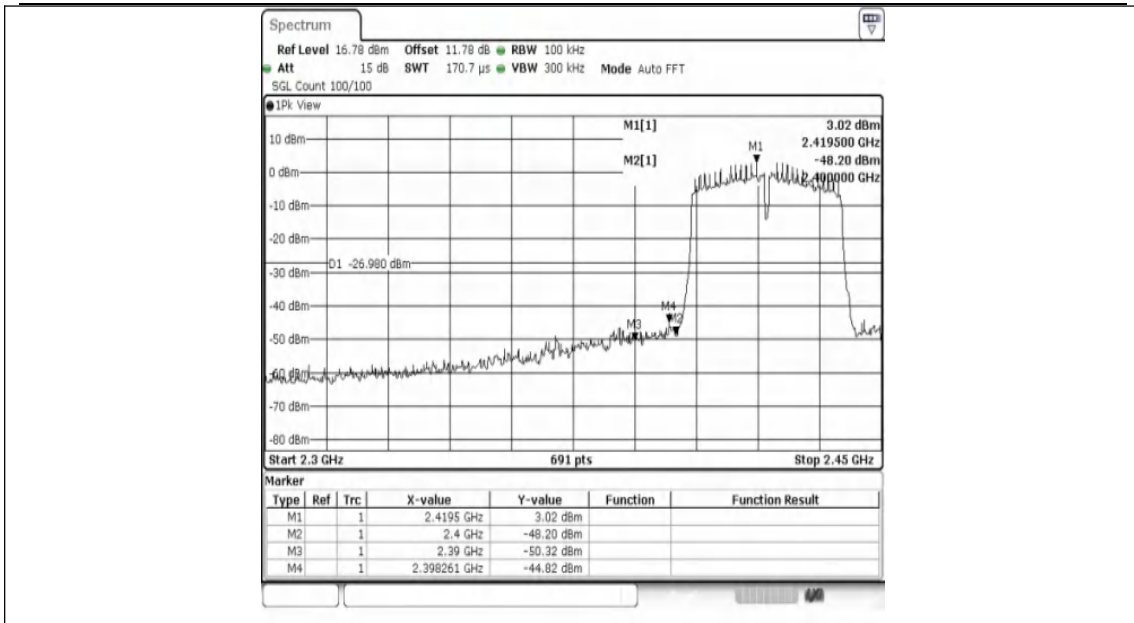


11G-Ant1-2412-PASS

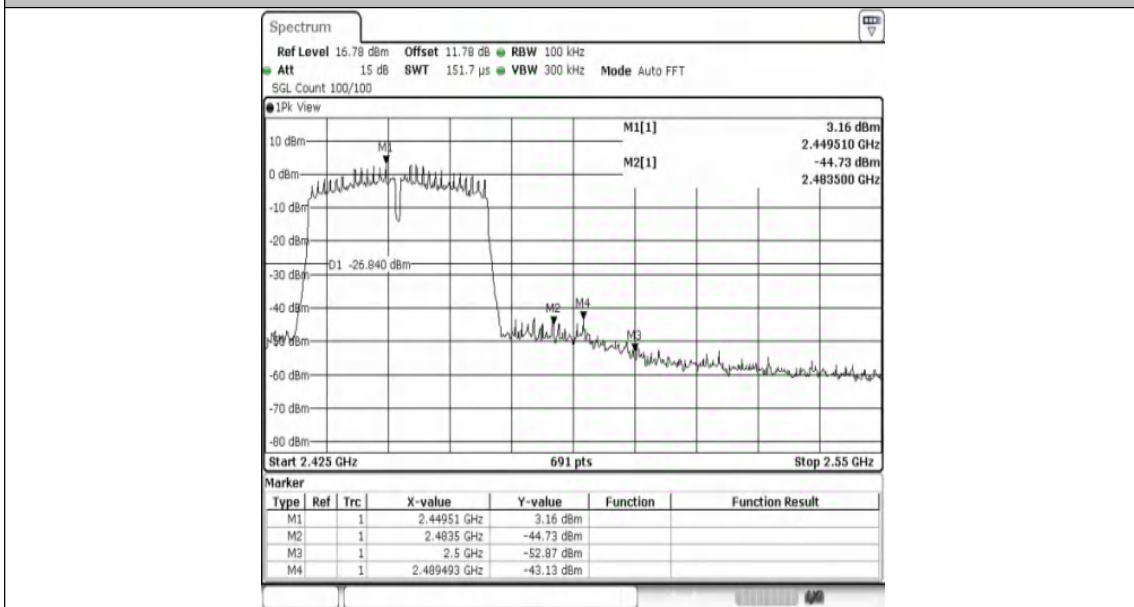


11G-Ant1-2462-PASS





11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

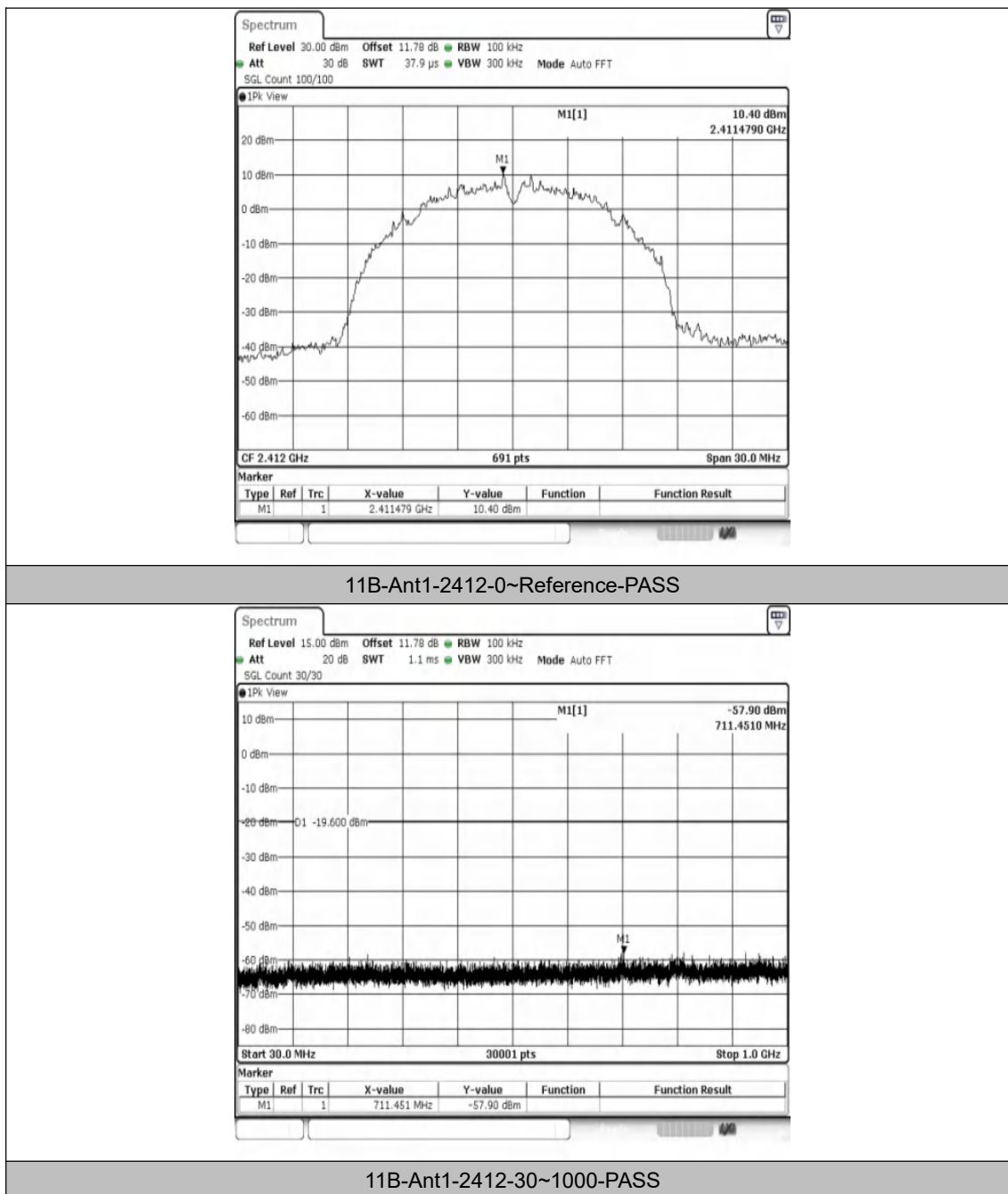
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	10.40	10.40	---	PASS
11B	Ant1	2412	30~1000	10.40	-57.9	≤-19.6	PASS
11B	Ant1	2412	1000~26500	10.40	-43.92	≤-19.6	PASS
11B	Ant1	2437	0~Reference	8.10	8.10	---	PASS
11B	Ant1	2437	30~1000	8.10	-56.98	≤-21.9	PASS
11B	Ant1	2437	1000~26500	8.10	-42.8	≤-21.9	PASS
11B	Ant1	2462	0~Reference	9.22	9.22	---	PASS
11B	Ant1	2462	30~1000	9.22	-57.86	≤-20.78	PASS
11B	Ant1	2462	1000~26500	9.22	-44.18	≤-20.78	PASS
11G	Ant1	2412	0~Reference	3.19	3.19	---	PASS
11G	Ant1	2412	30~1000	3.19	-57.76	≤-26.81	PASS
11G	Ant1	2412	1000~26500	3.19	-44.39	≤-26.81	PASS
11G	Ant1	2437	0~Reference	6.02	6.02	---	PASS
11G	Ant1	2437	30~1000	6.02	-57.51	≤-23.98	PASS
11G	Ant1	2437	1000~26500	6.02	-43.87	≤-23.98	PASS
11G	Ant1	2462	0~Reference	3.13	3.13	---	PASS
11G	Ant1	2462	30~1000	3.13	-58.02	≤-26.87	PASS
11G	Ant1	2462	1000~26500	3.13	-44.06	≤-26.87	PASS
11N20SISO	Ant1	2412	0~Reference	3.44	3.44	---	PASS
11N20SISO	Ant1	2412	30~1000	3.44	-58.5	≤-26.56	PASS
11N20SISO	Ant1	2412	1000~26500	3.44	-43.78	≤-26.56	PASS
11N20SISO	Ant1	2437	0~Reference	1.63	1.63	---	PASS
11N20SISO	Ant1	2437	30~1000	1.63	-56.88	≤-28.37	PASS
11N20SISO	Ant1	2437	1000~26500	1.63	-44.21	≤-28.37	PASS
11N20SISO	Ant1	2462	0~Reference	1.86	1.86	---	PASS
11N20SISO	Ant1	2462	30~1000	1.86	-58.2	≤-28.14	PASS
11N20SISO	Ant1	2462	1000~26500	1.86	-44.12	≤-28.14	PASS
11N40SISO	Ant1	2422	0~Reference	-0.76	-0.76	---	PASS
11N40SISO	Ant1	2422	30~1000	-0.76	-50.38	≤-30.76	PASS
11N40SISO	Ant1	2422	1000~26500	-0.76	-43.62	≤-30.76	PASS
11N40SISO	Ant1	2437	0~Reference	1.00	1.00	---	PASS
11N40SISO	Ant1	2437	30~1000	1.00	-49	≤-29	PASS
11N40SISO	Ant1	2437	1000~26500	1.00	-43.87	≤-29	PASS
11N40SISO	Ant1	2452	0~Reference	1.45	1.45	---	PASS
11N40SISO	Ant1	2452	30~1000	1.45	-51.85	≤-28.55	PASS
11N40SISO	Ant1	2452	1000~26500	1.45	-44.42	≤-28.55	PASS



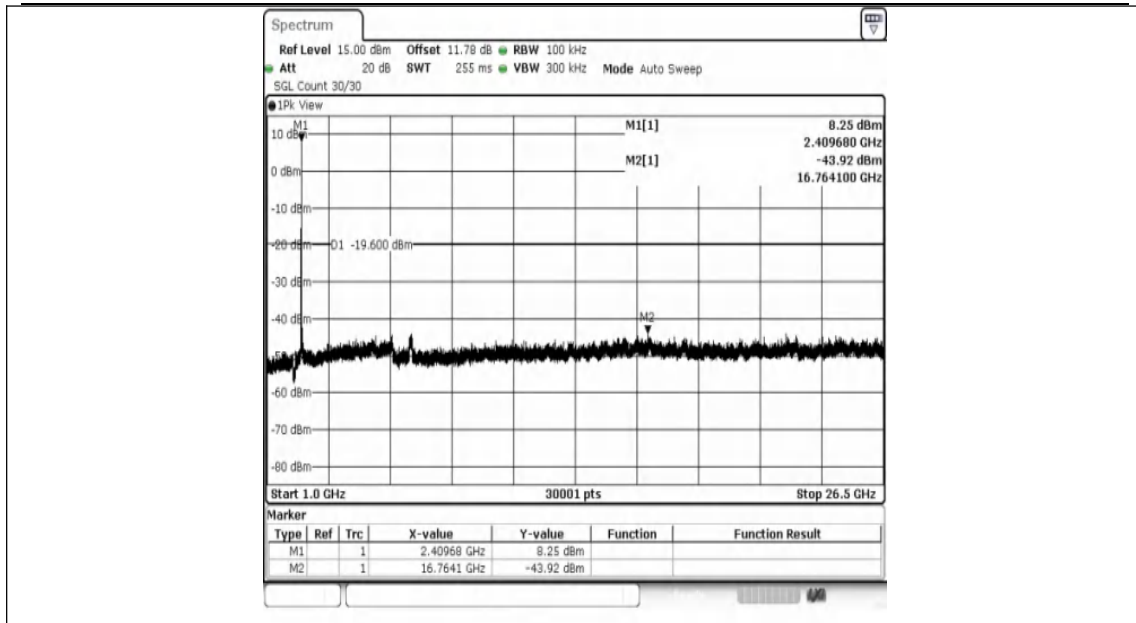
Test Graphs



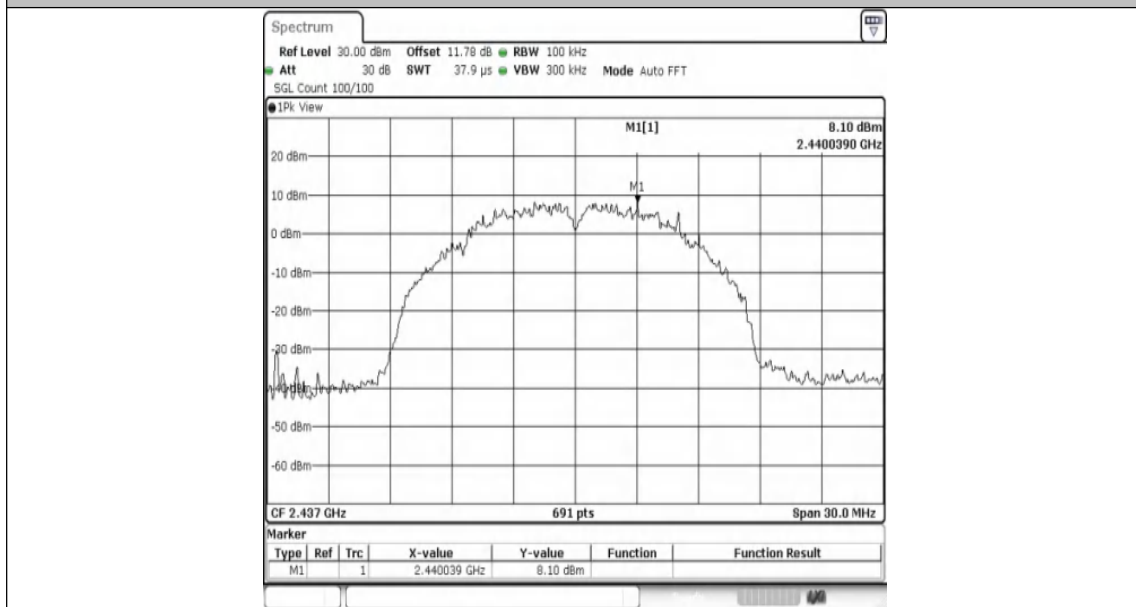
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Tel: (86) 0755-26066440 Email: service@anbotek.com

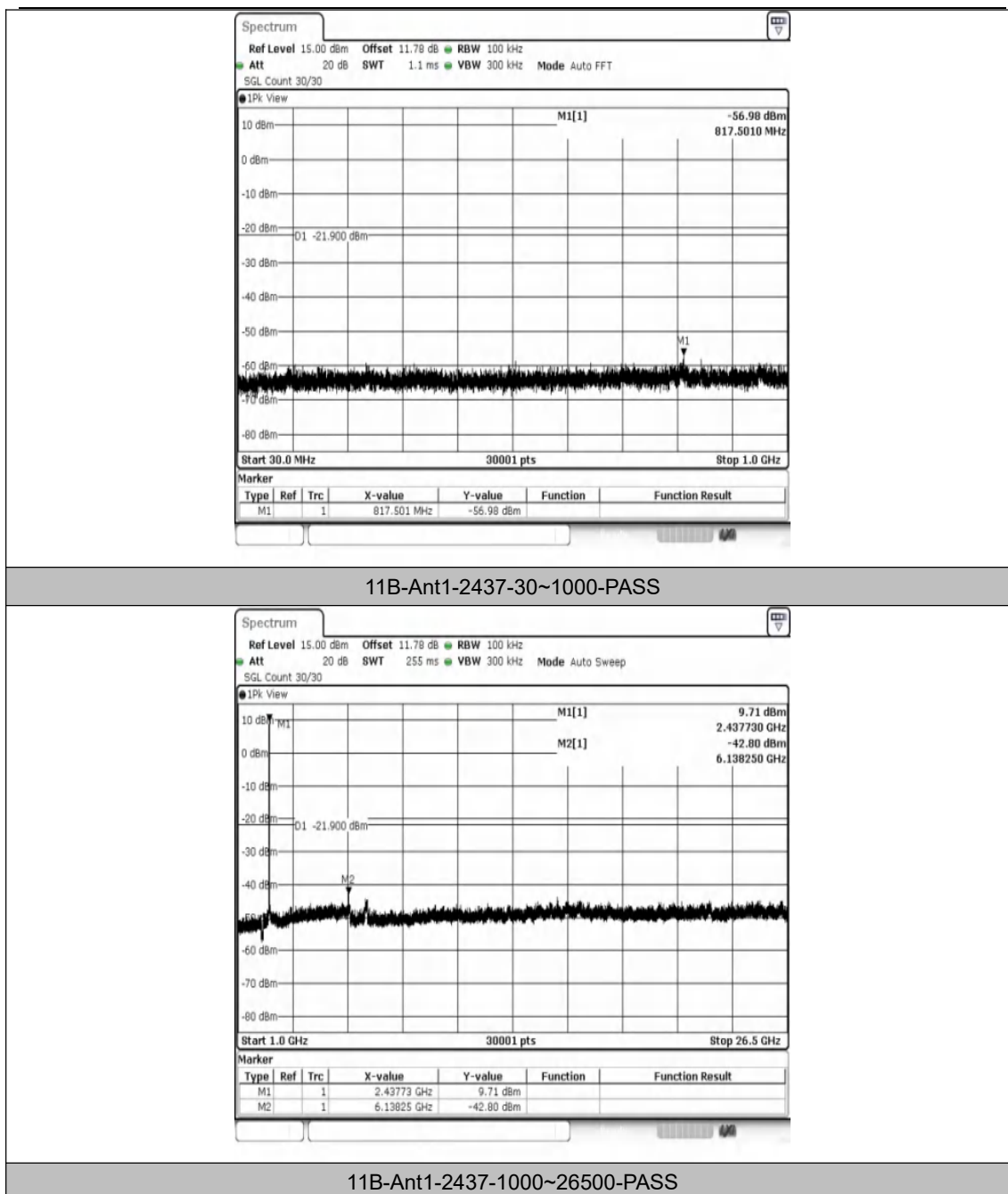
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11B-Ant1-2412-1000~26500-PASS



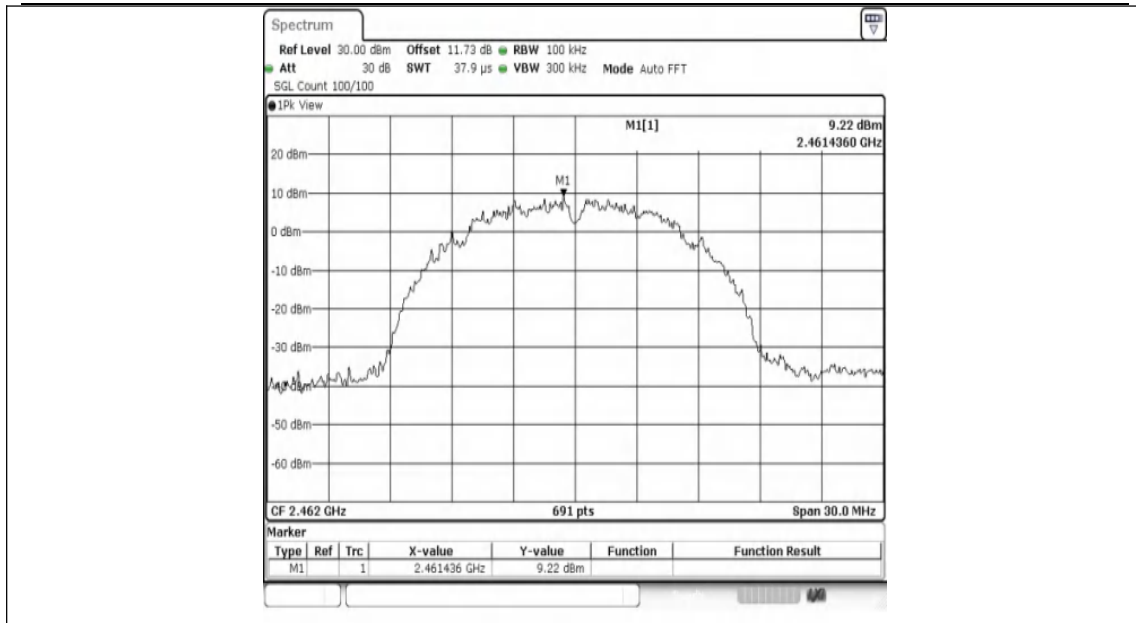
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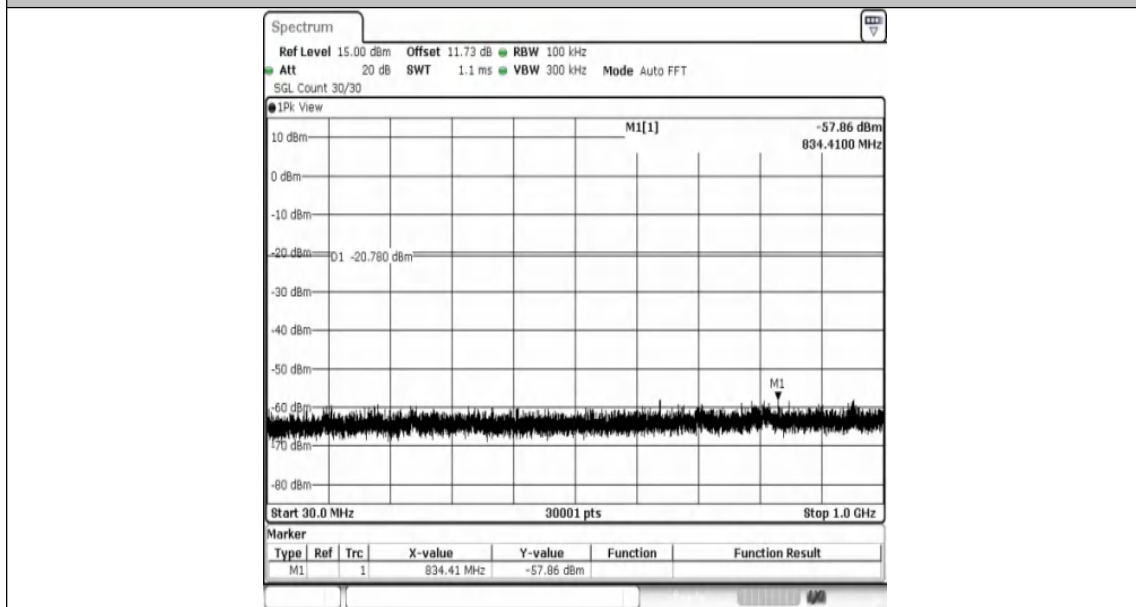
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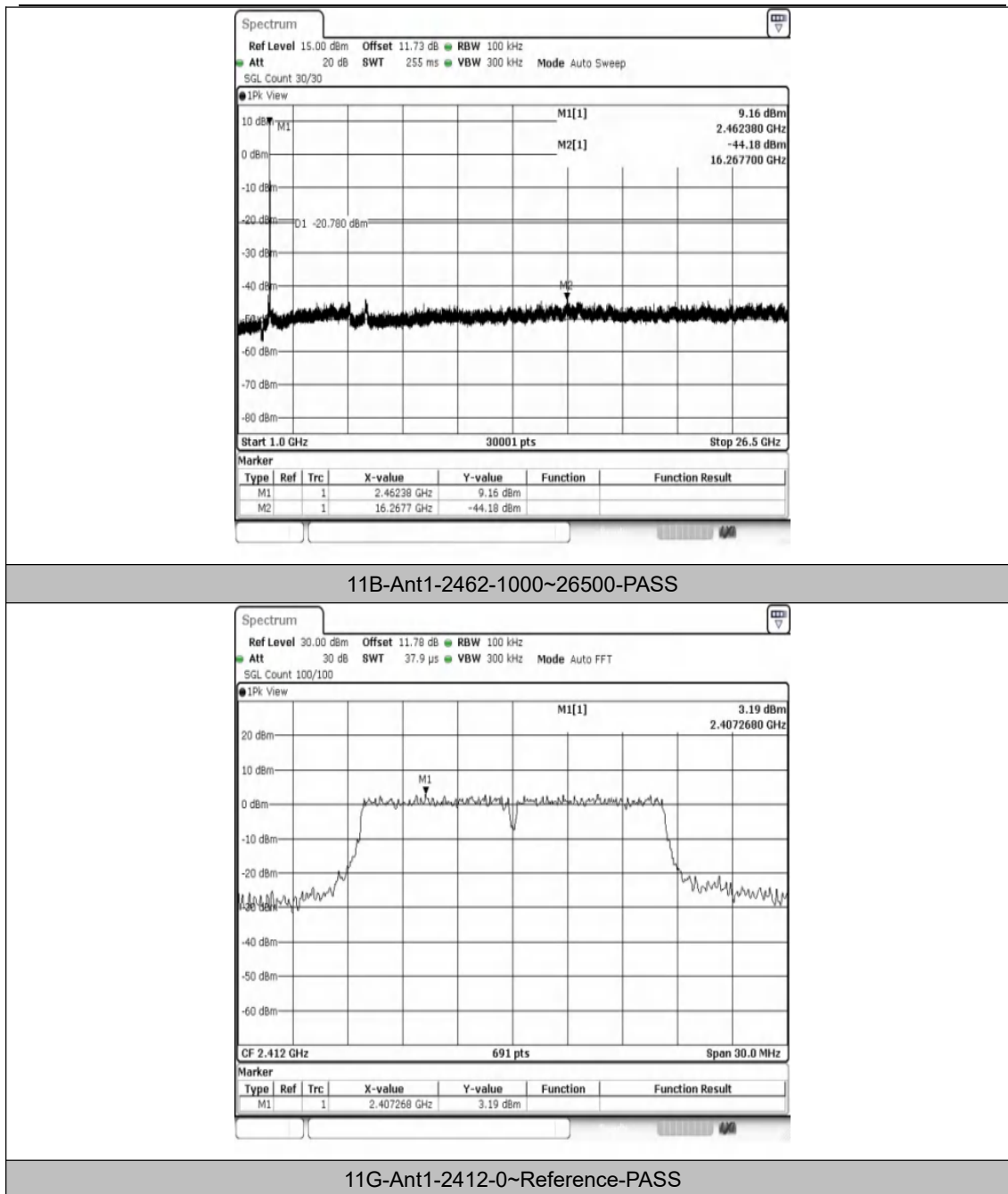
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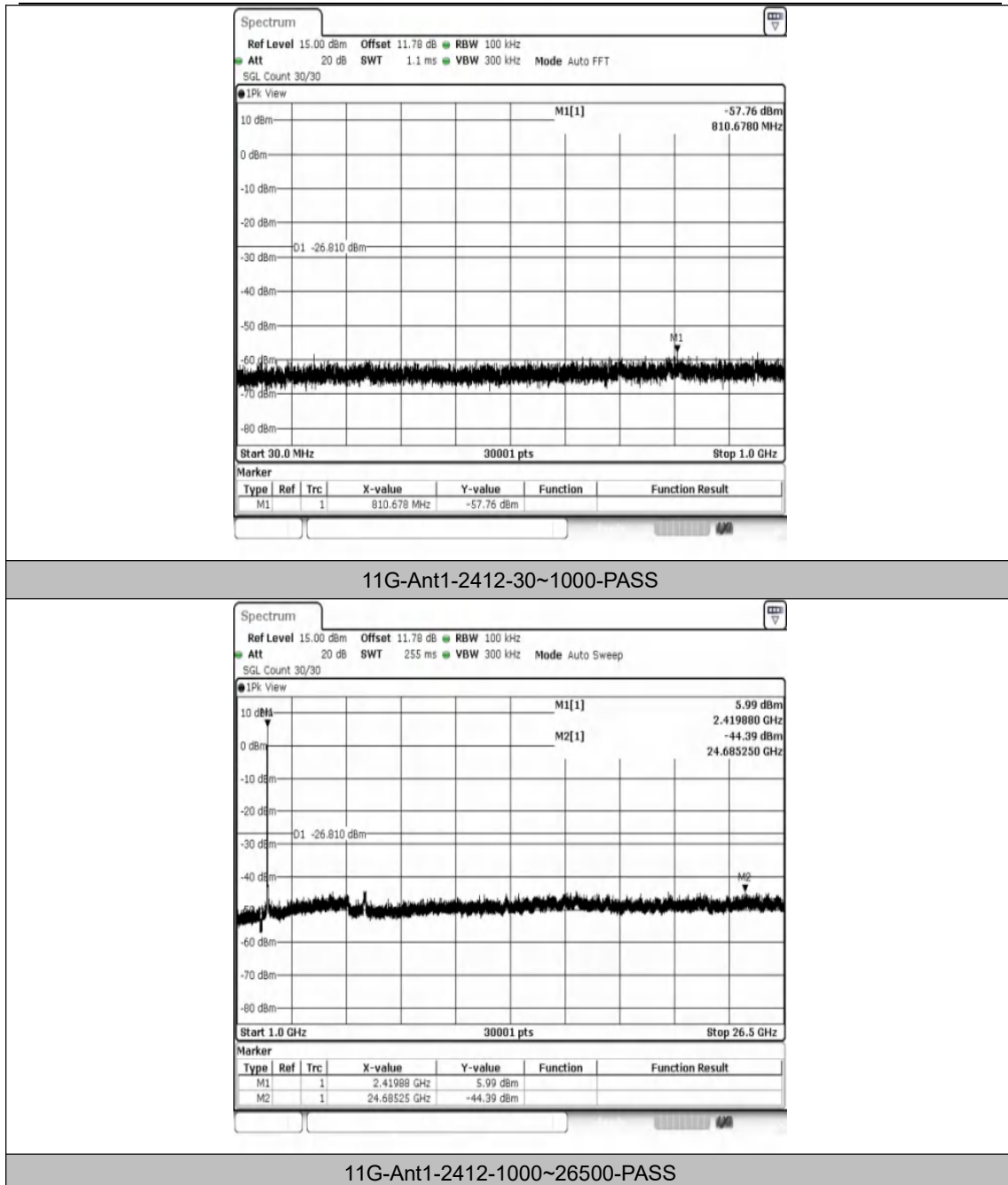


11B-Ant1-2462-0~Reference-PASS



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

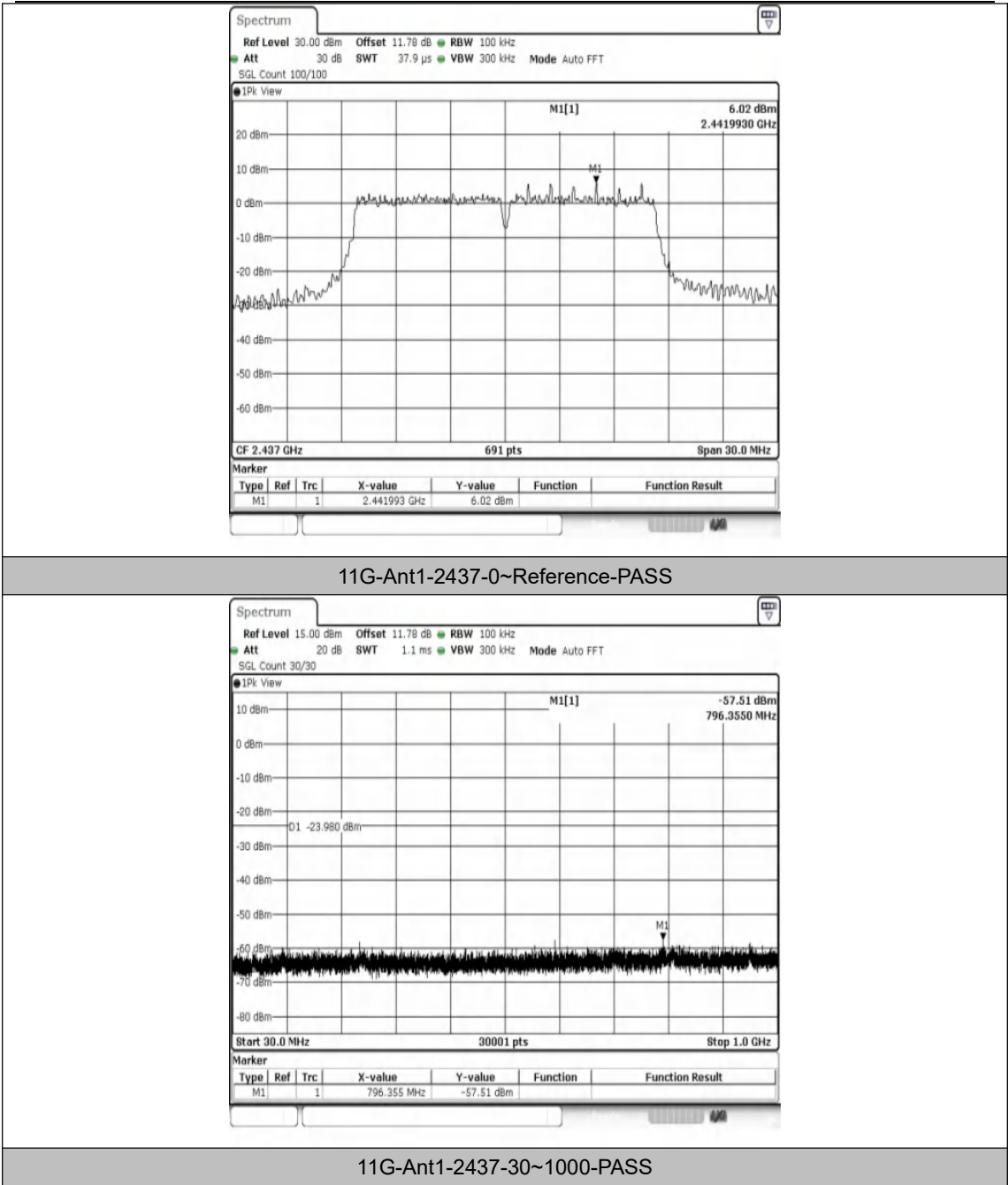


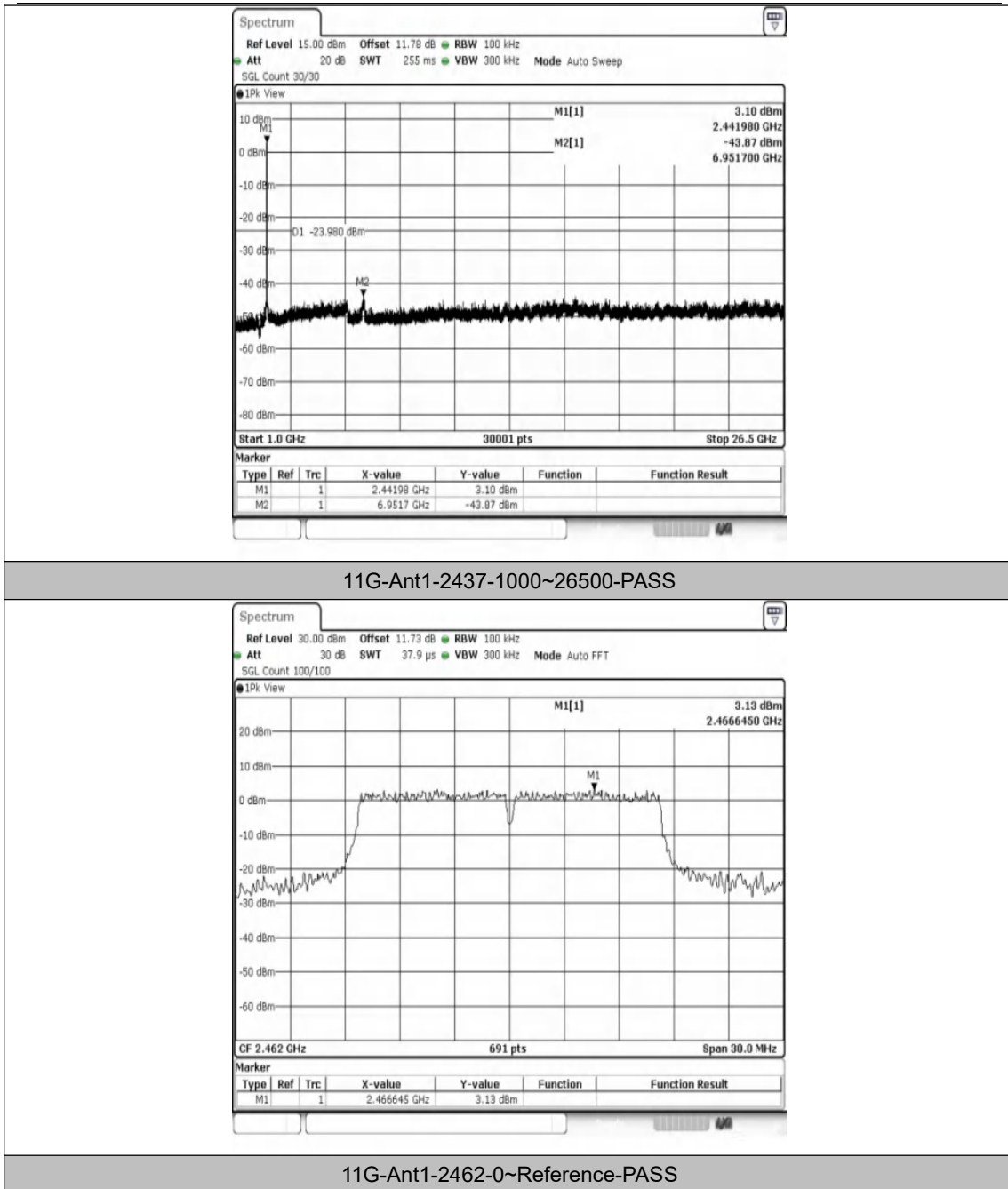


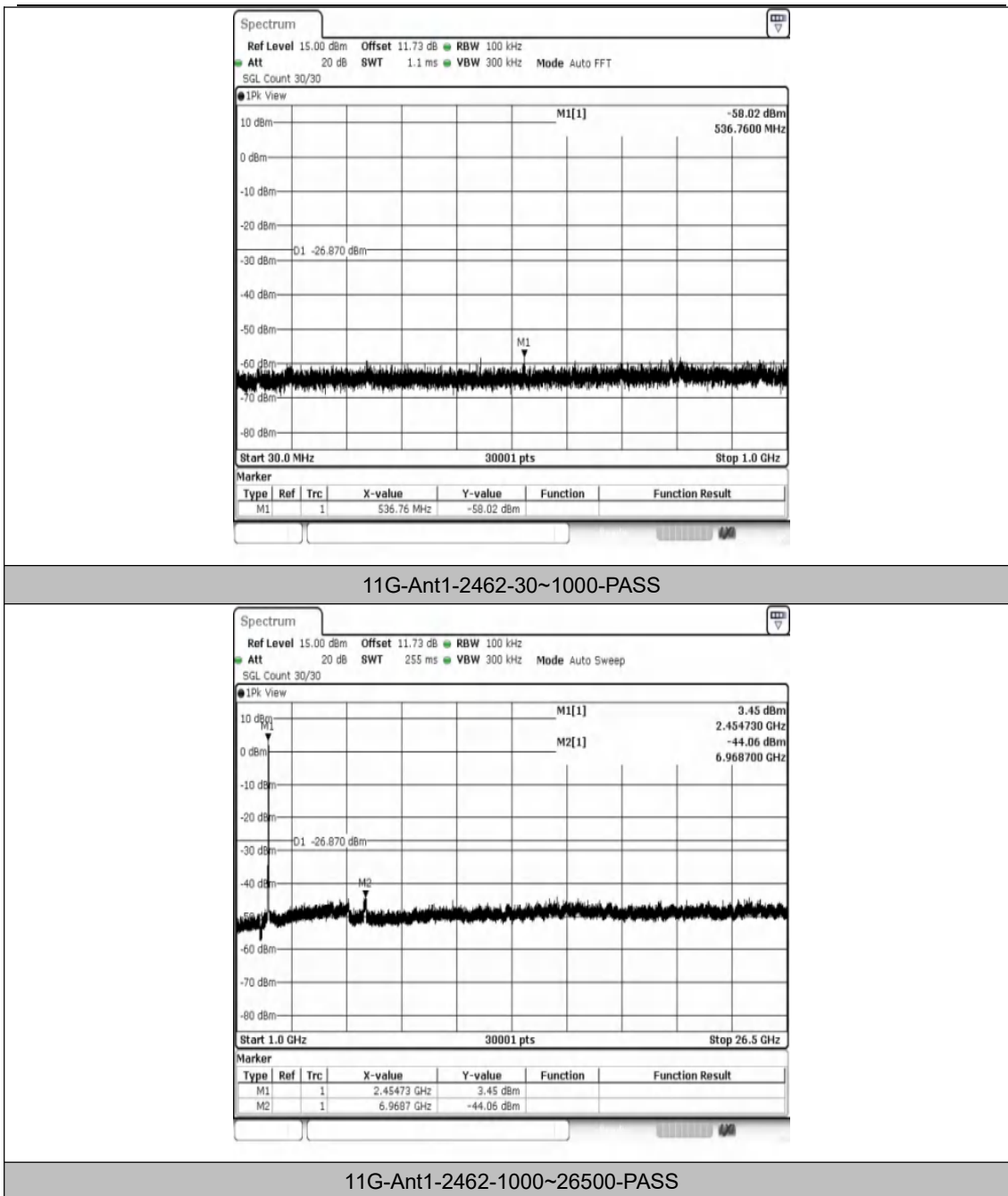
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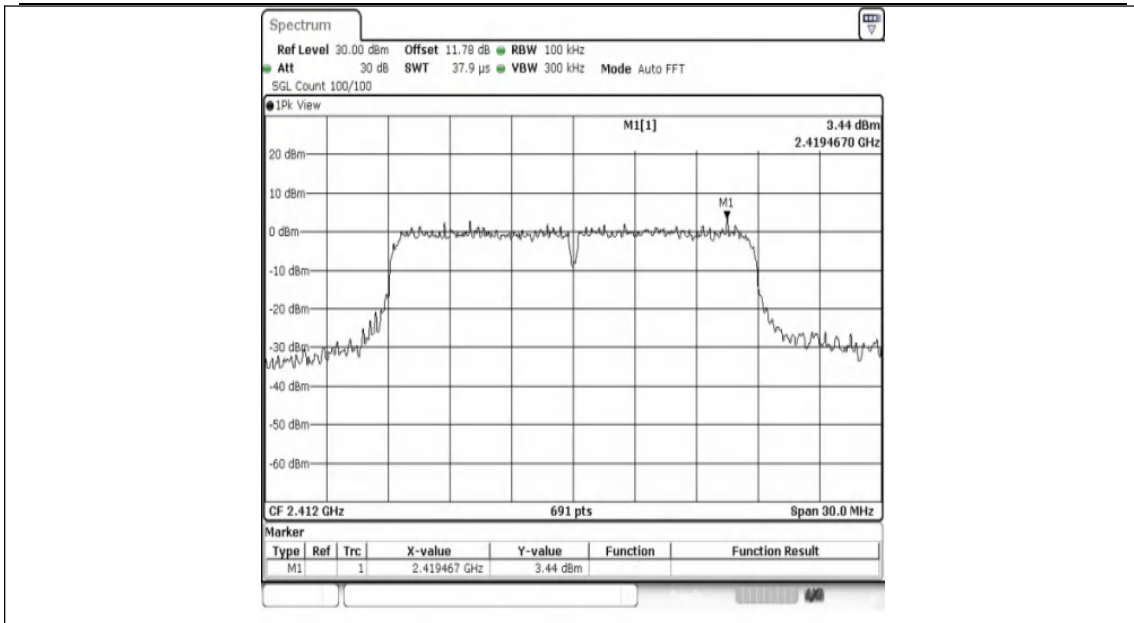
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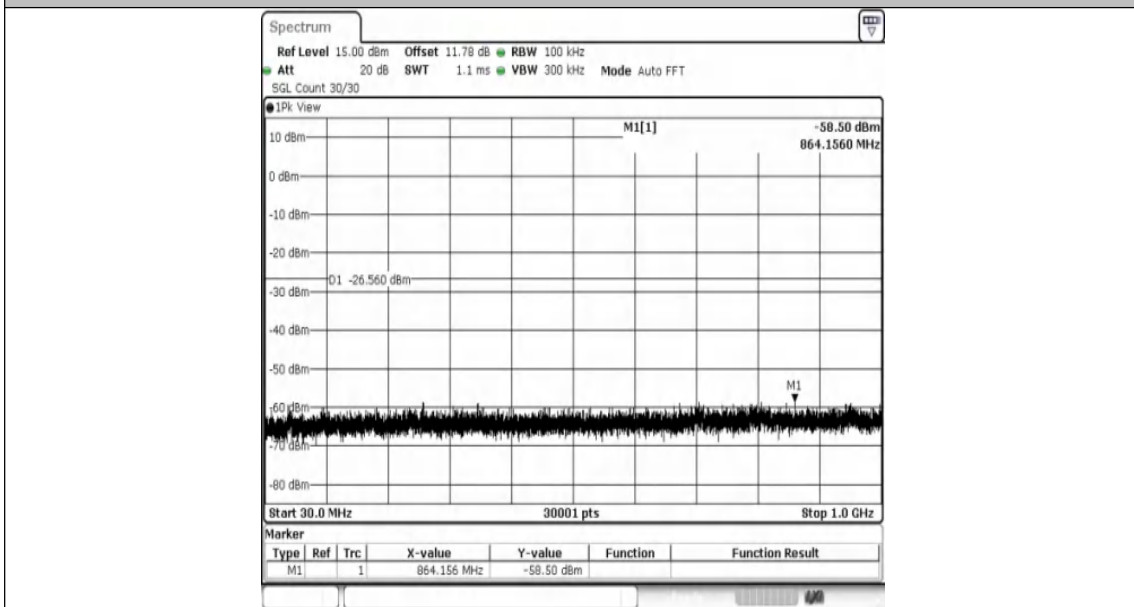




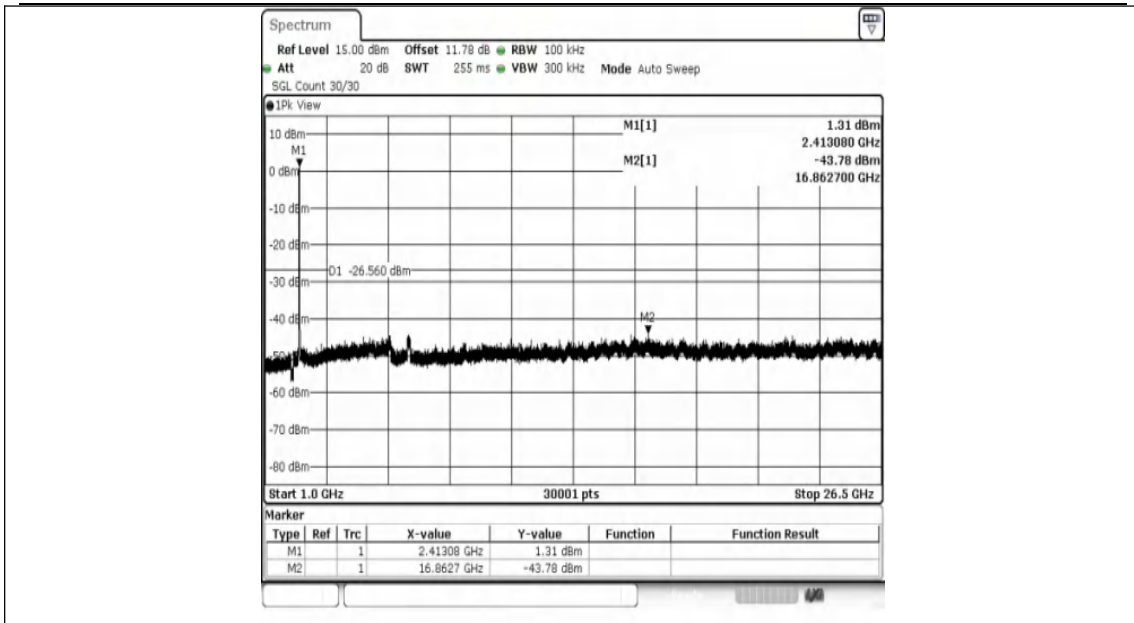




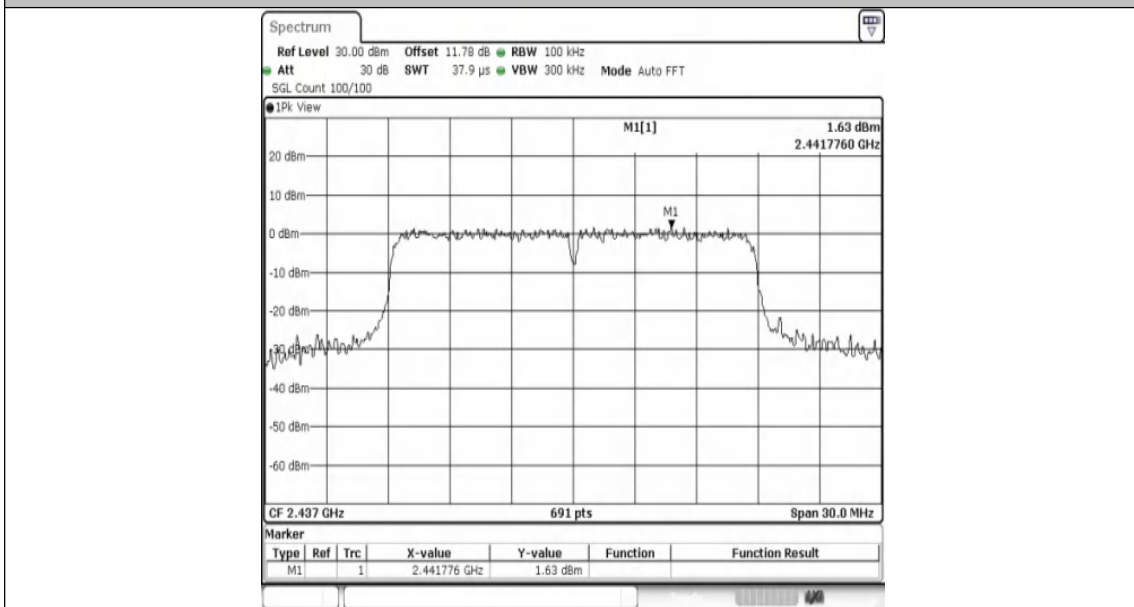
11N20SISO-Ant1-2412-0~Reference-PASS



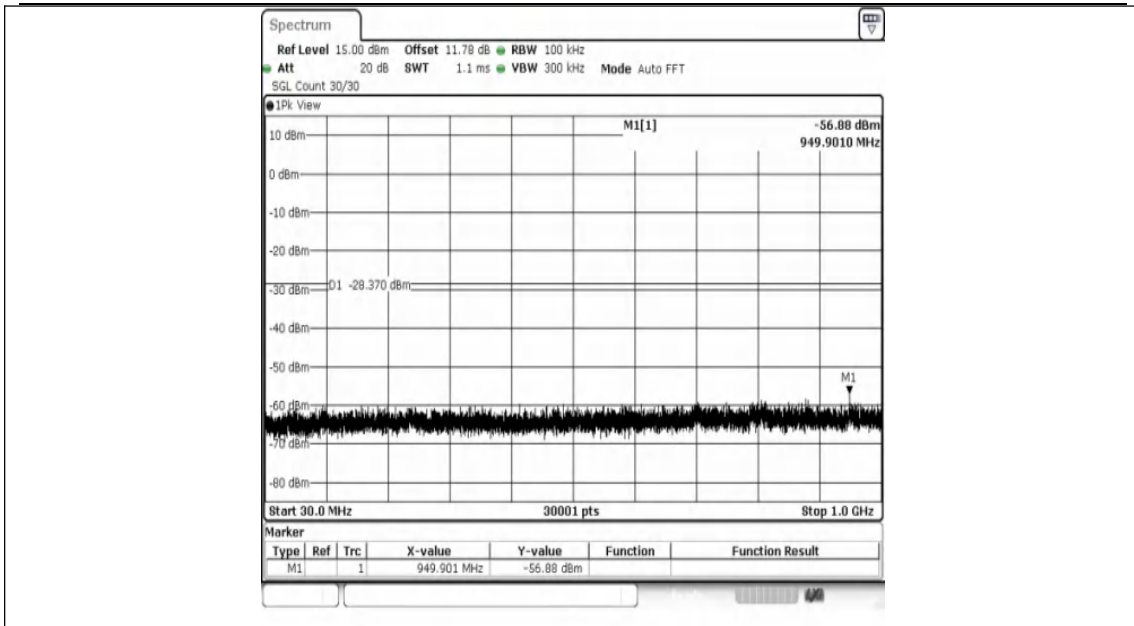
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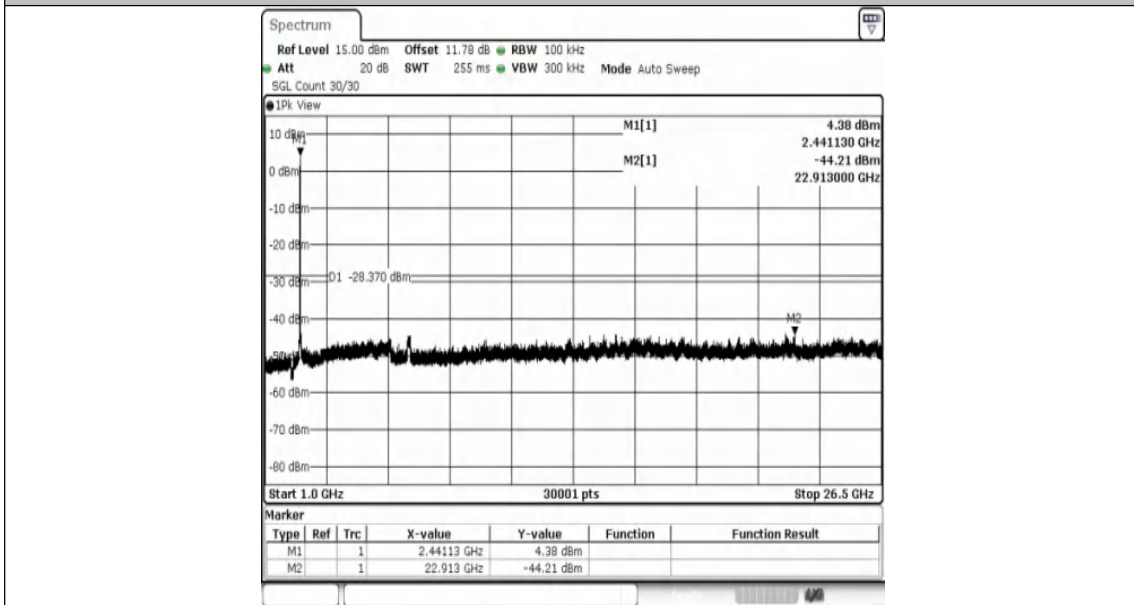
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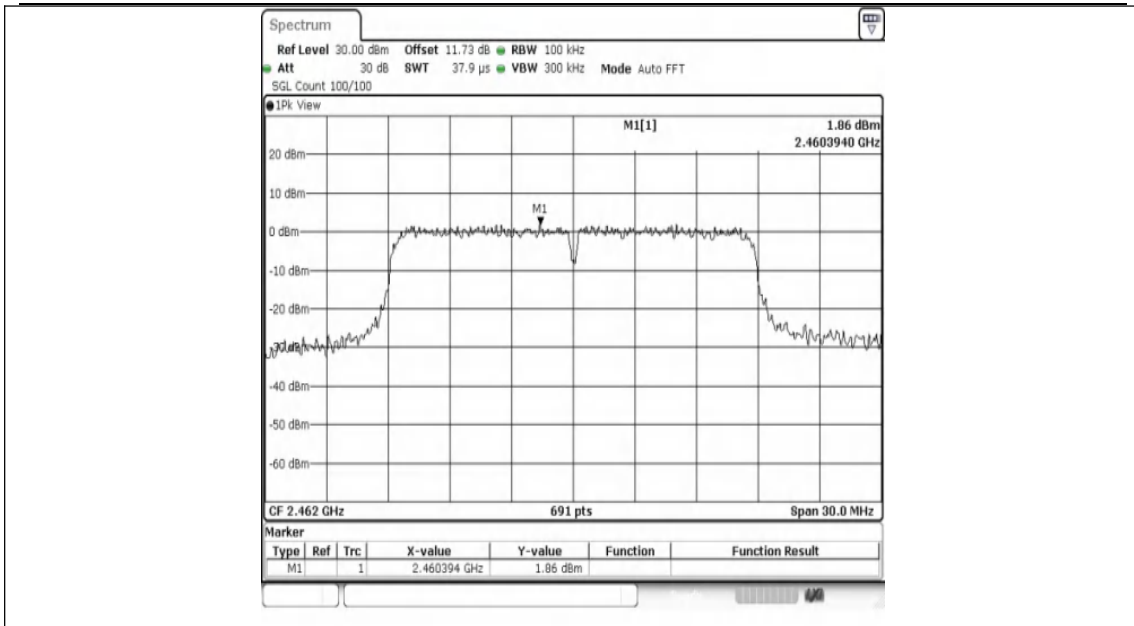
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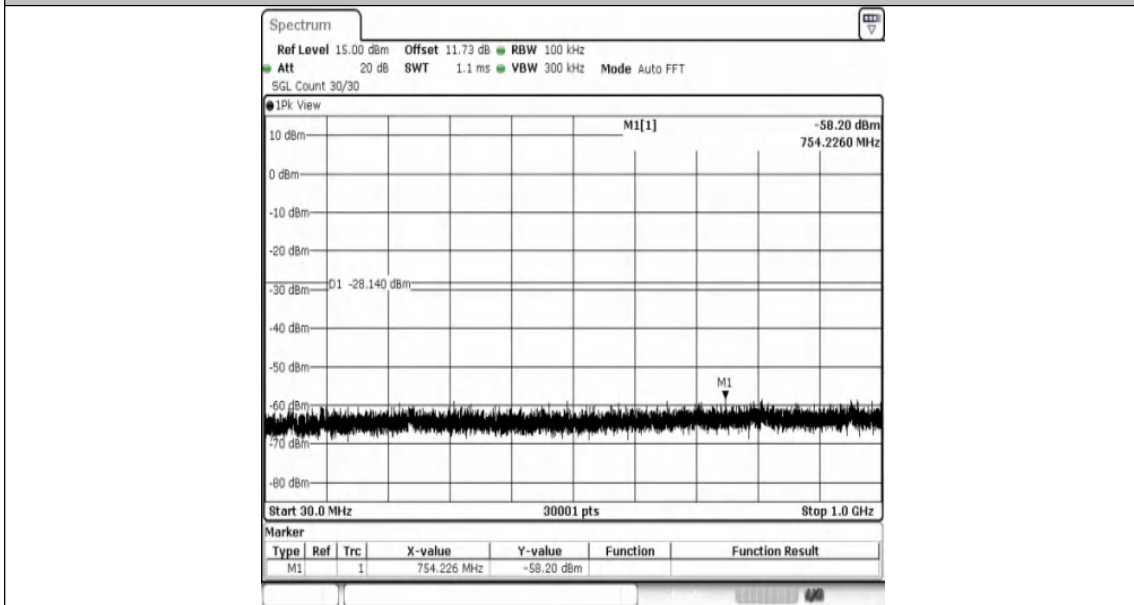
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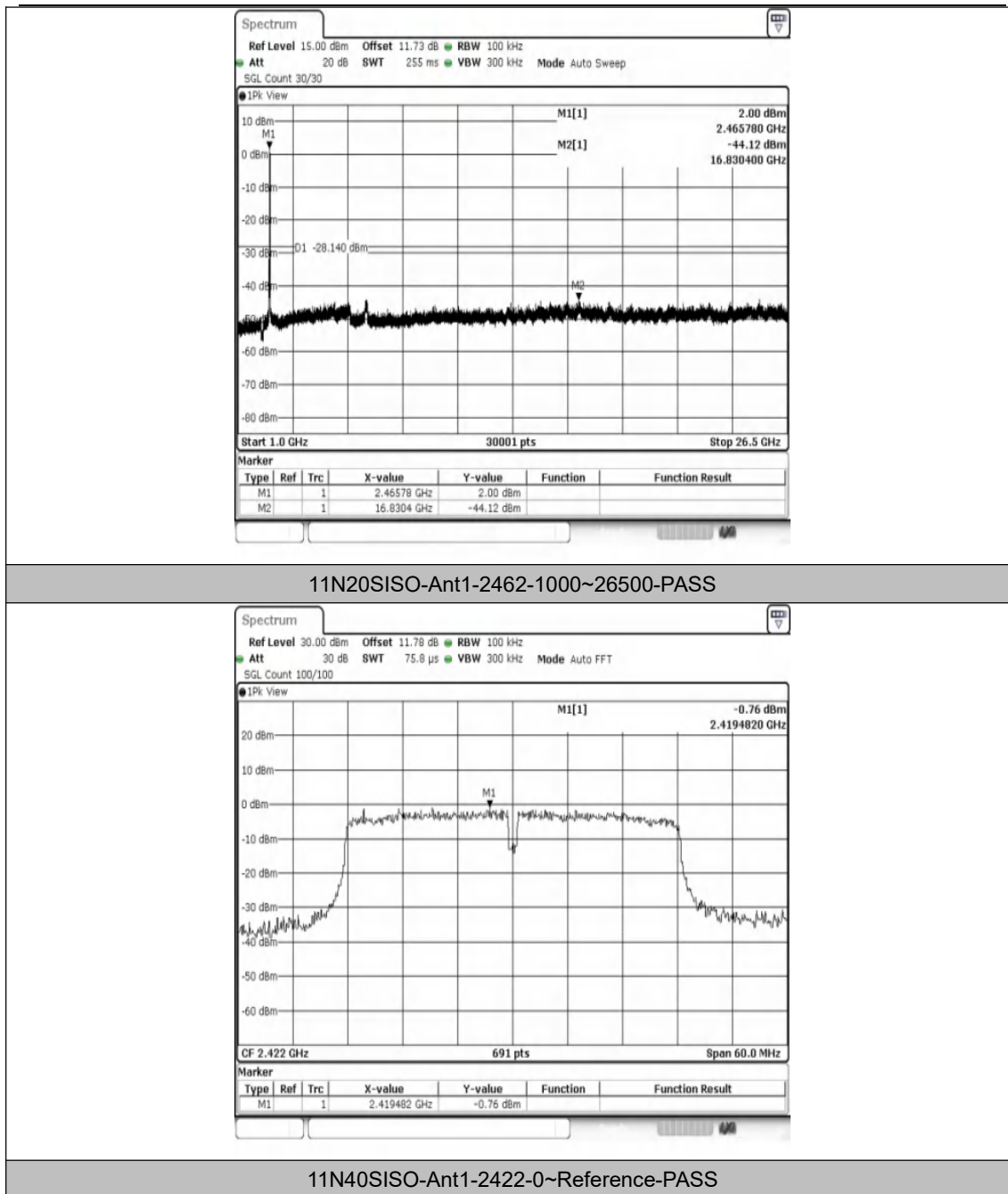
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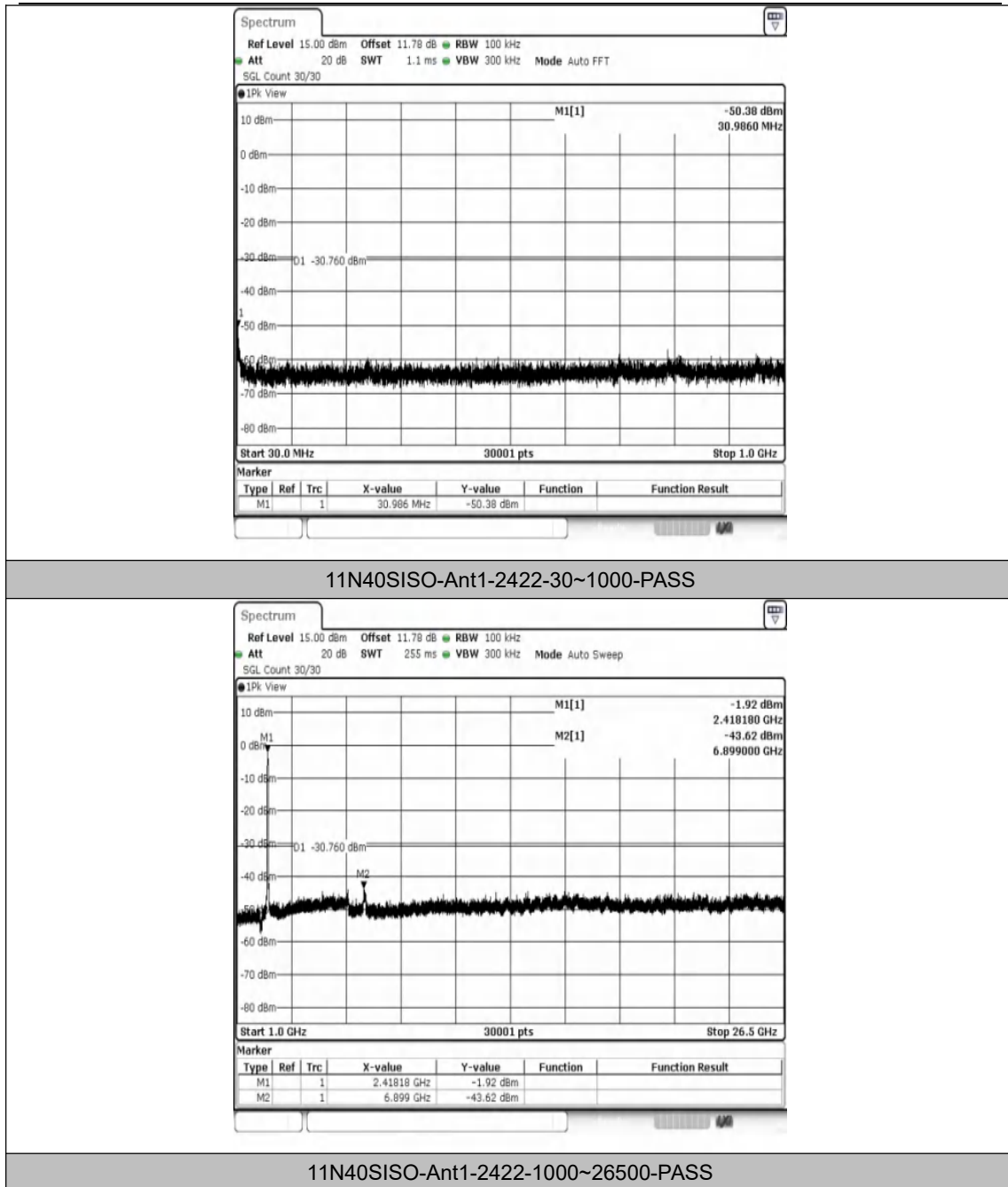


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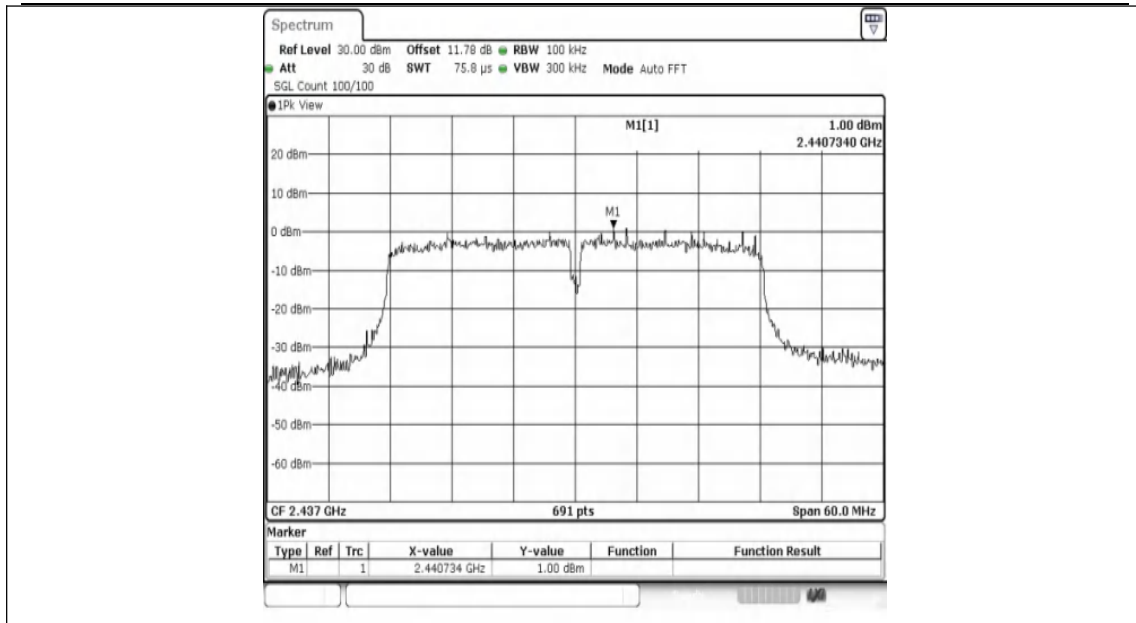




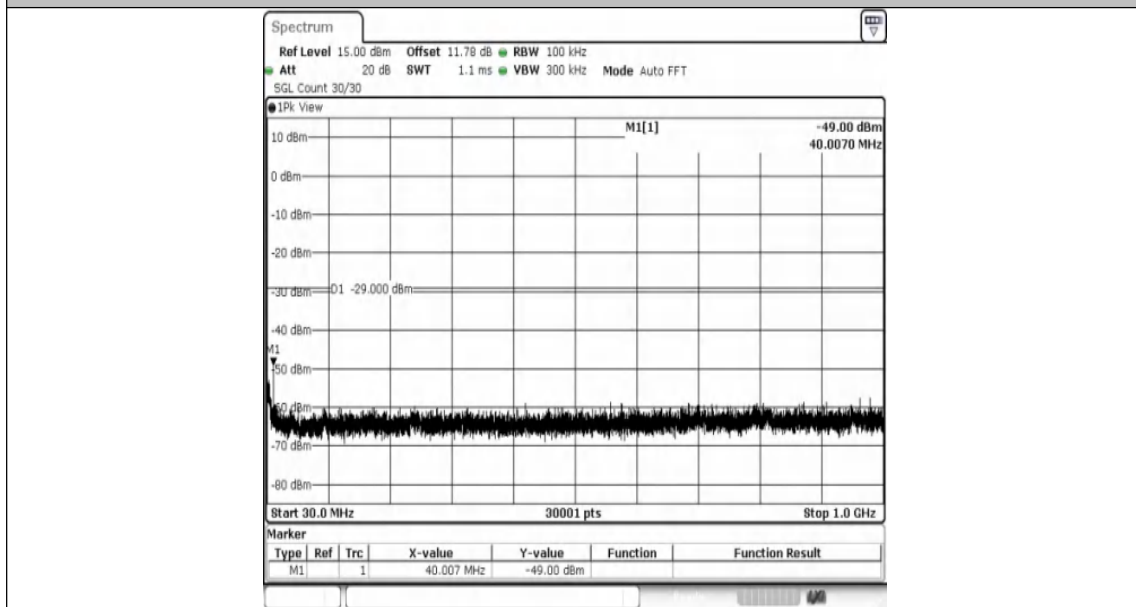
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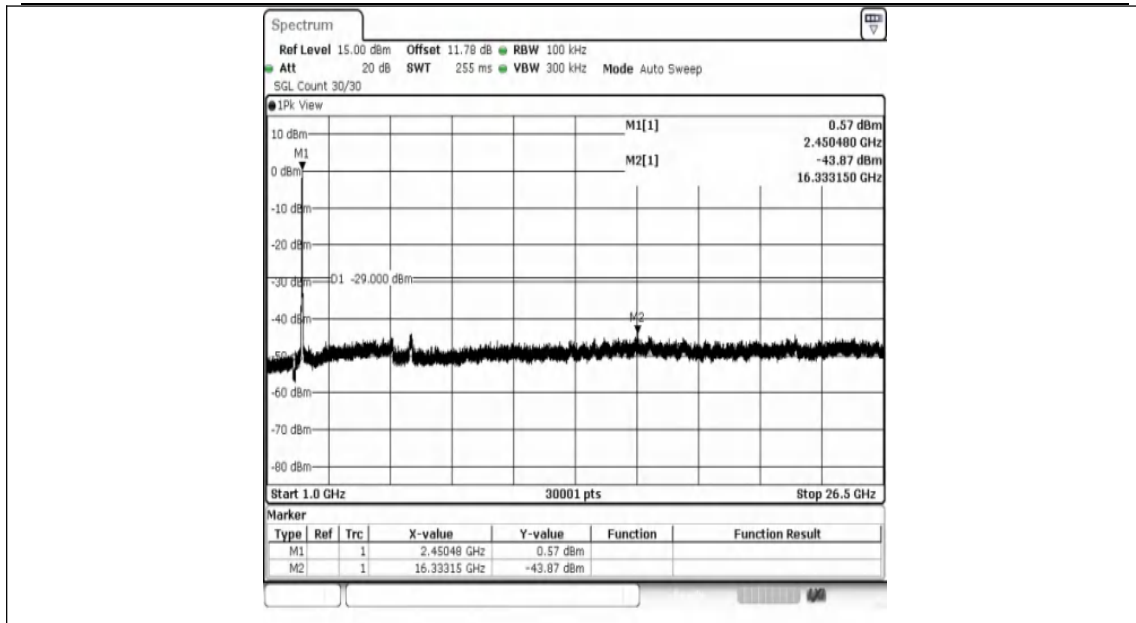
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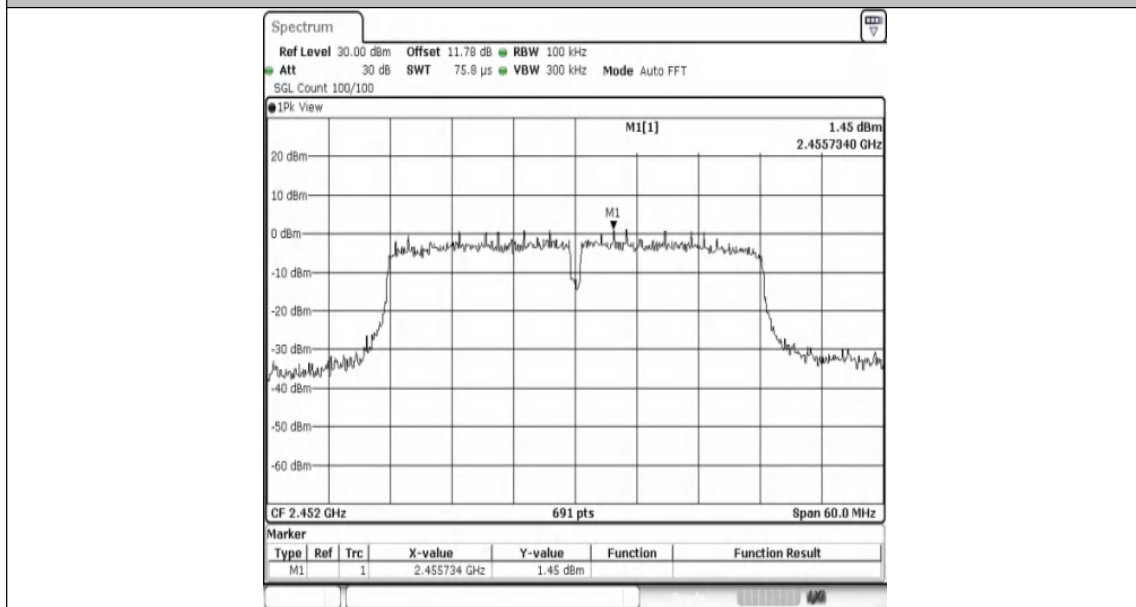
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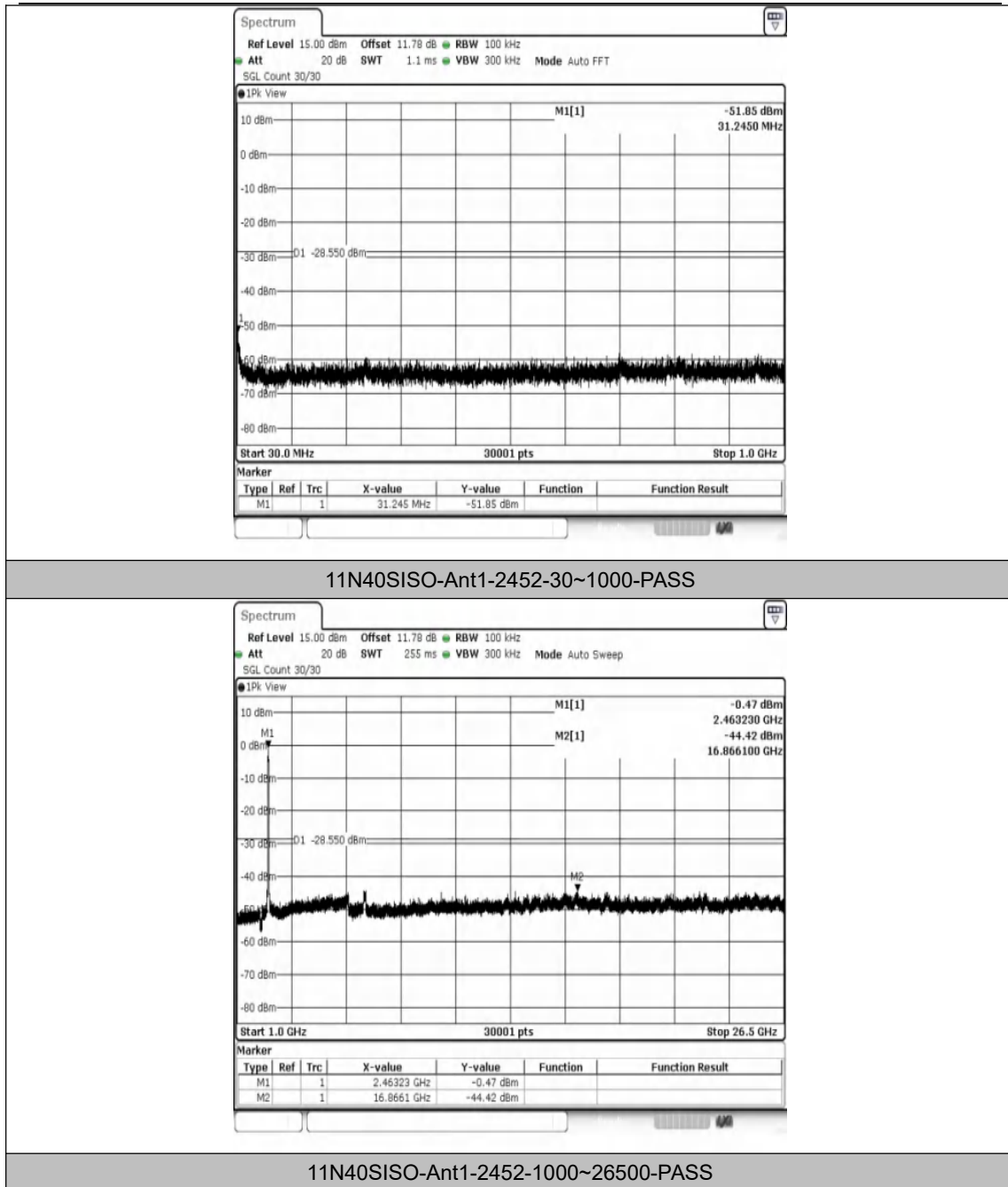
11N40SISO-Ant1-2437-30~1000-PASS



11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



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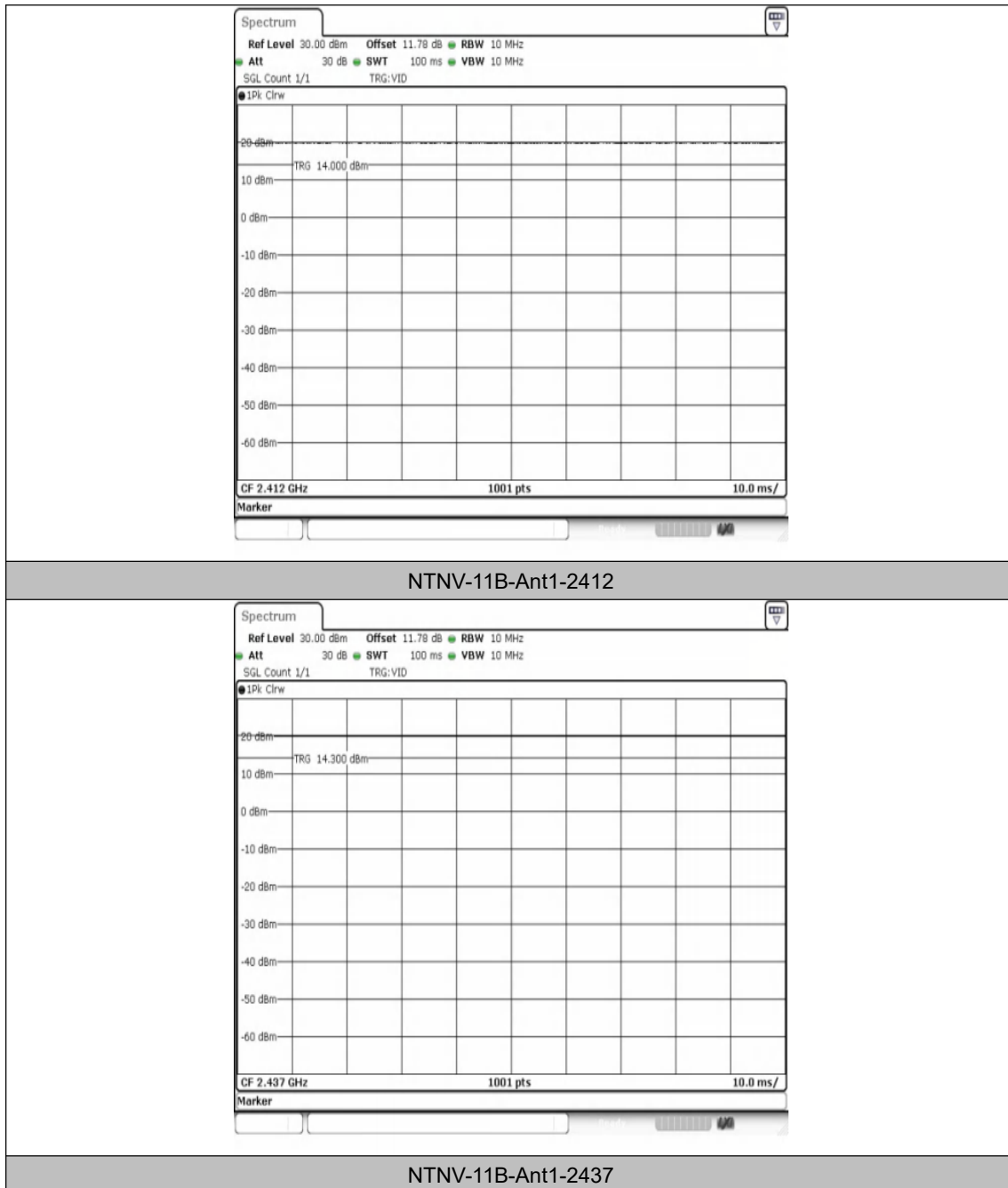
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	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

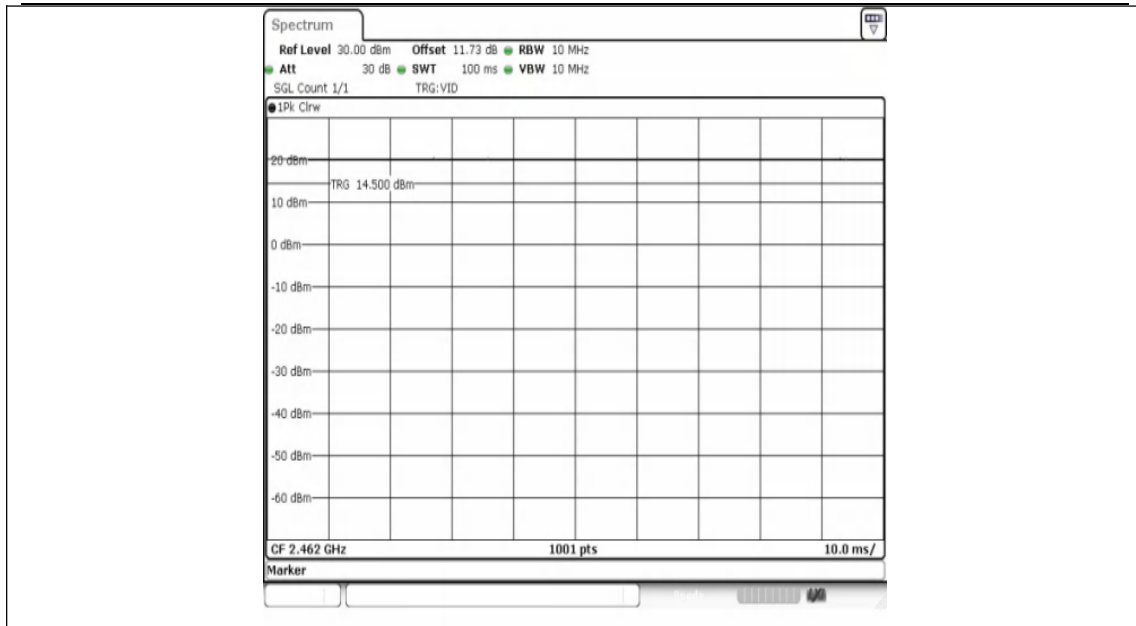
Test Graphs



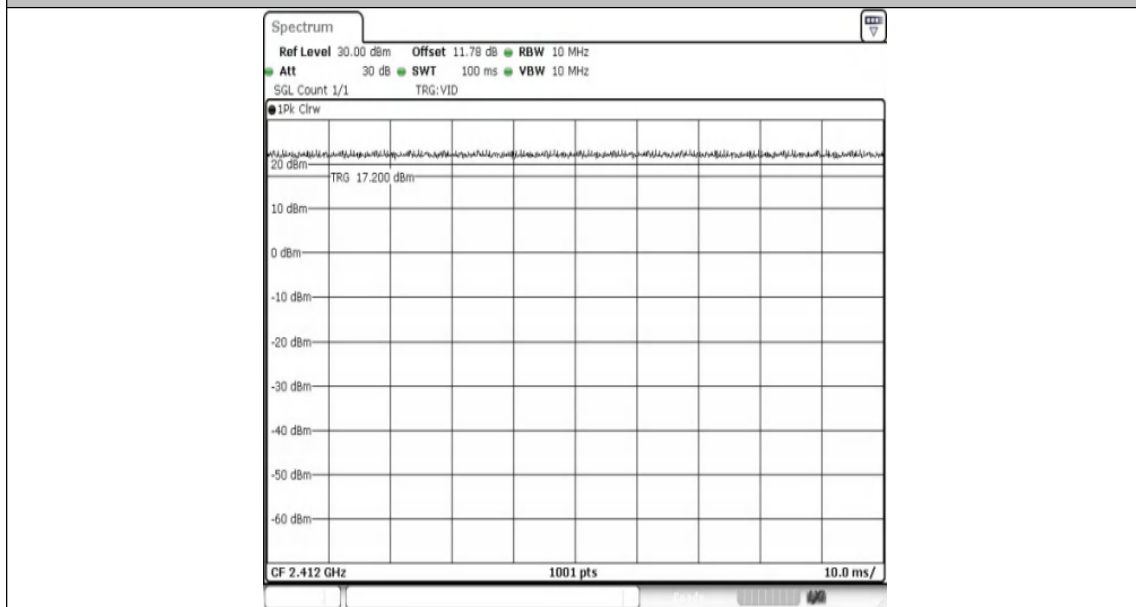
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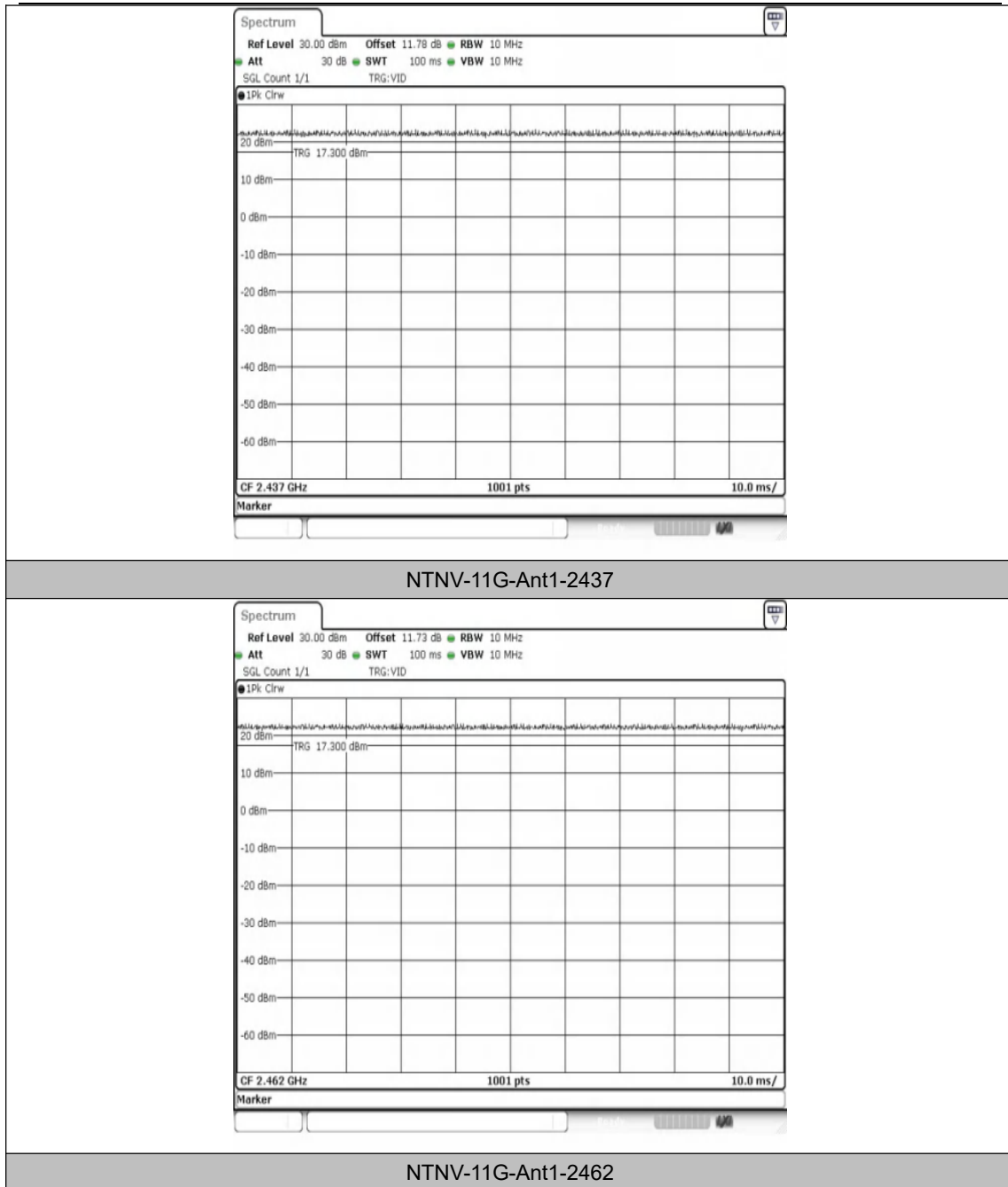
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NTNV-11B-Ant1-2462



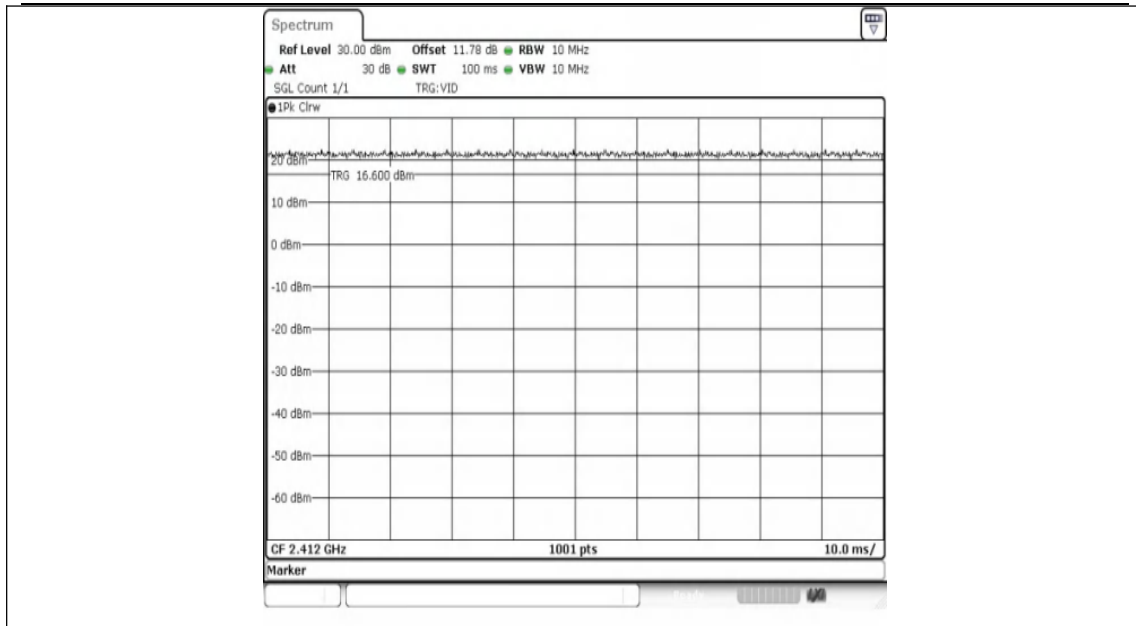
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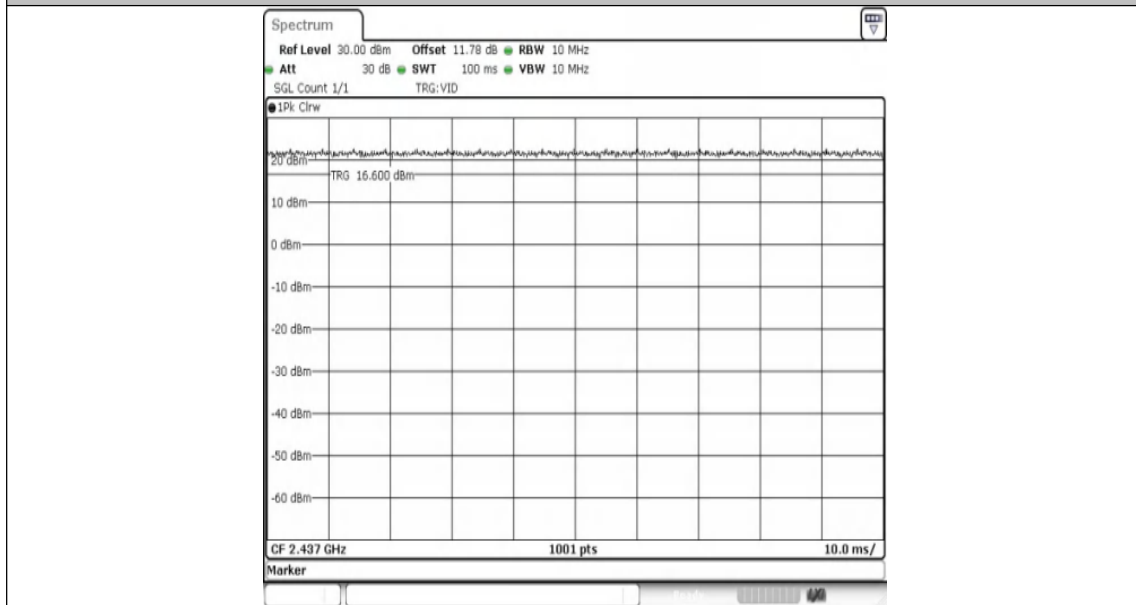
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NTNV-11N20SISO-Ant1-2412



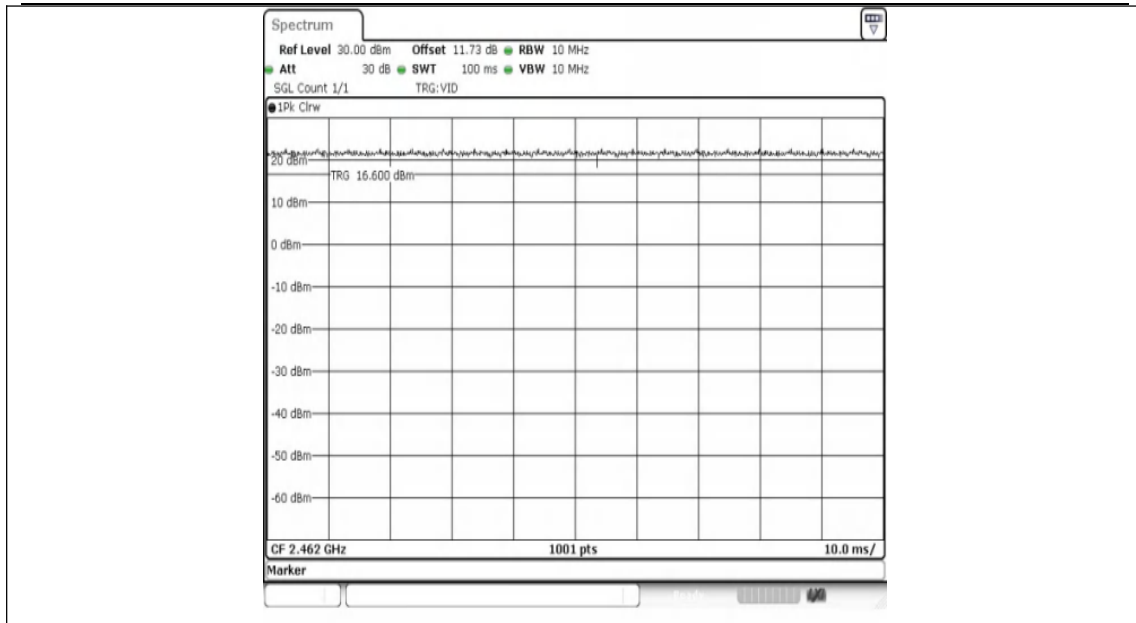
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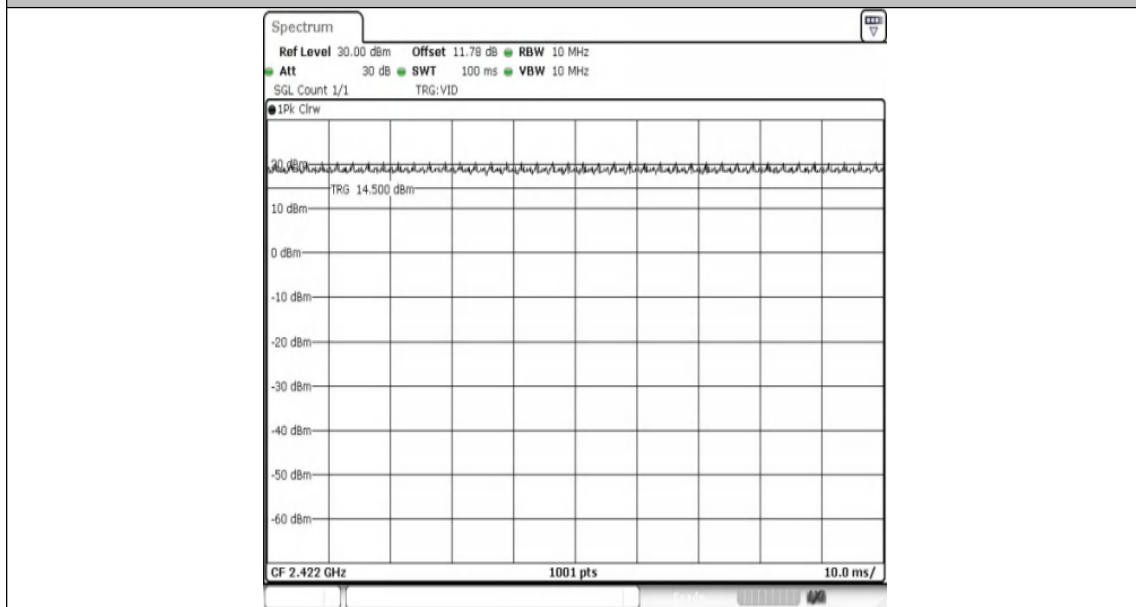
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NTNV-11N20SISO-Ant1-2462

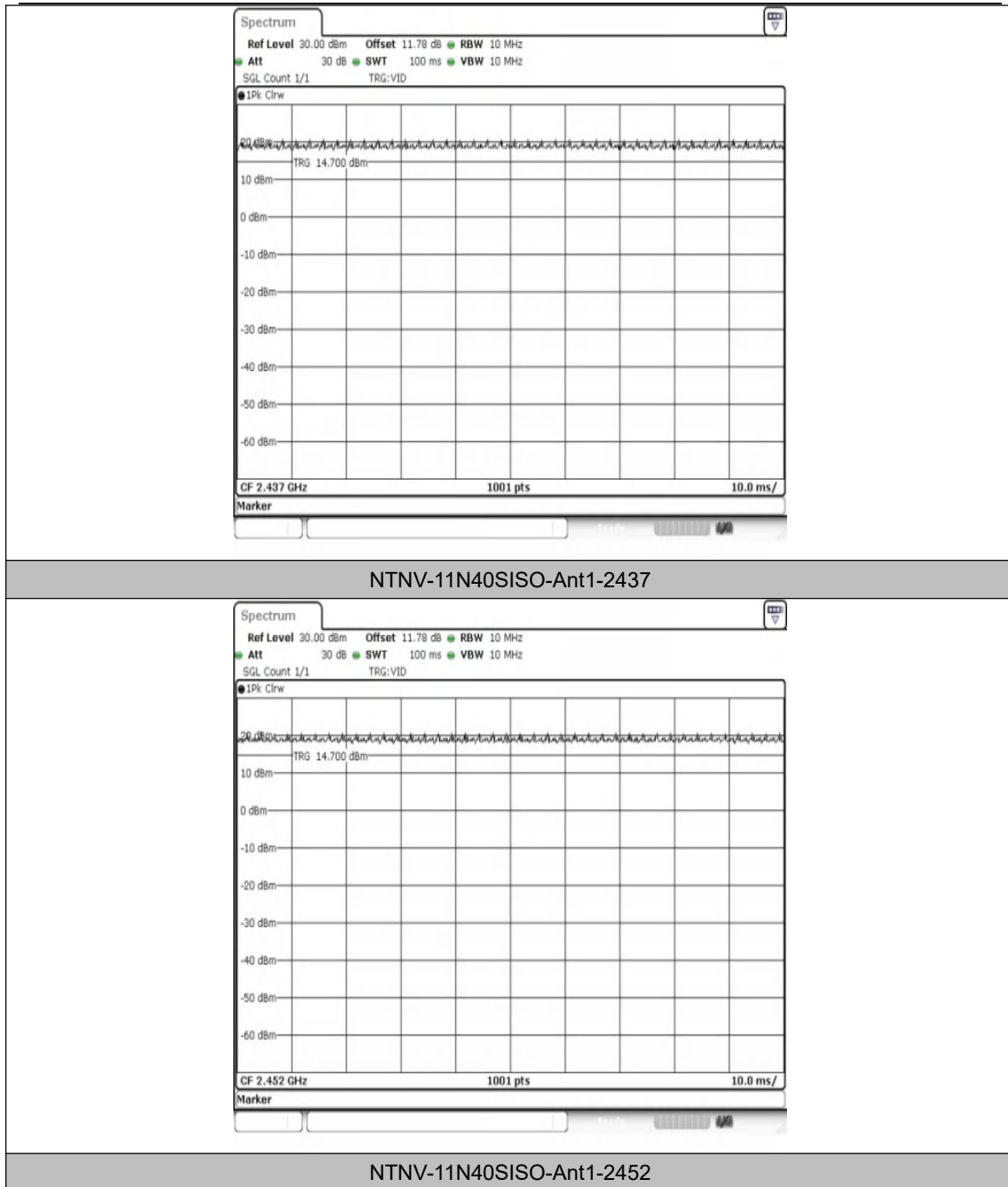


NTNV-11N40SISO-Ant1-2422

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---End---