

Appendix Test Data

Report No.:	1812C50290512503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-6-18	Finish Test Date:	2025-6-25
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	26.4℃	Relative Humidity:	54%
Pressure:	101kPa		

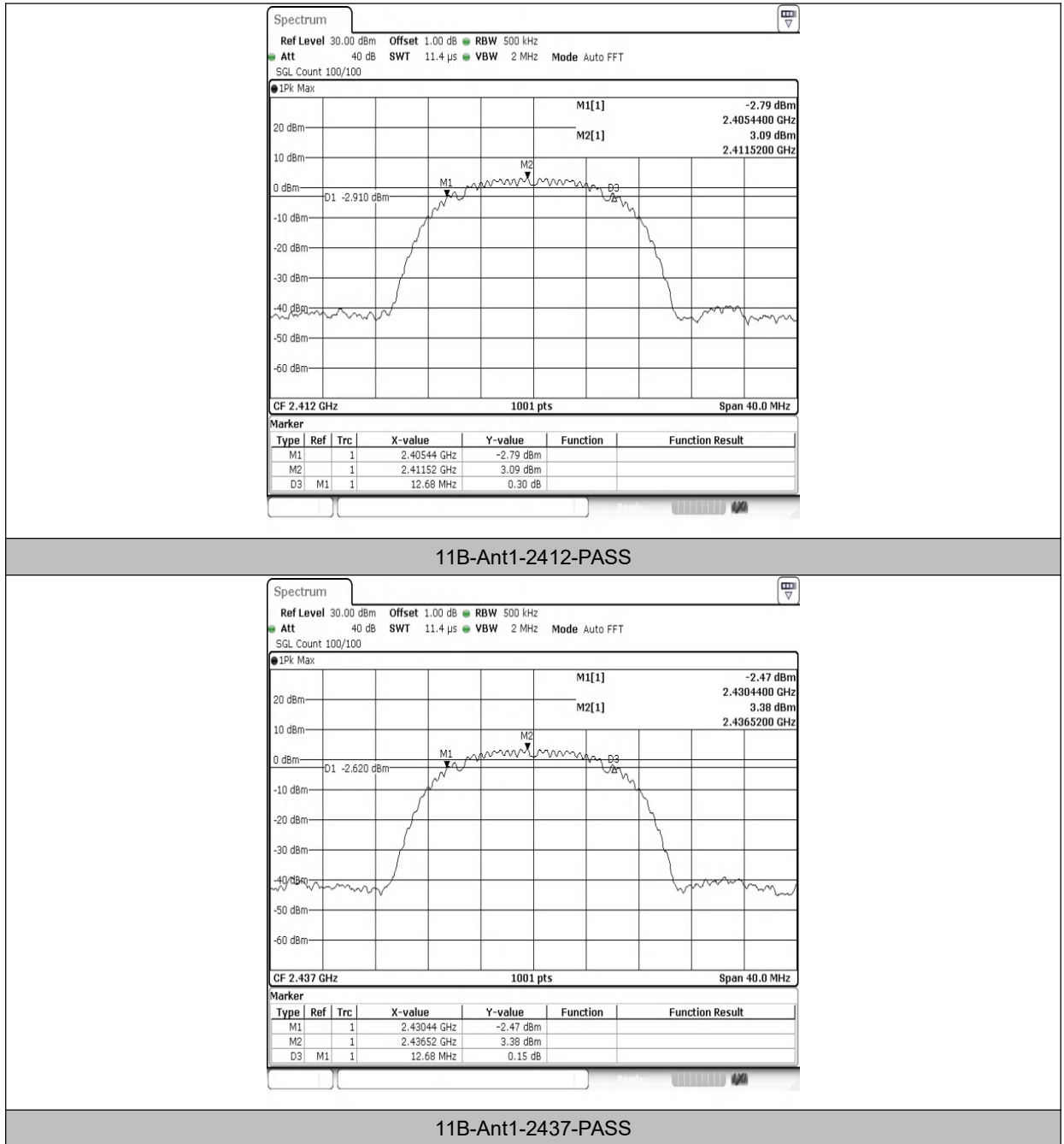


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.68	2405.44	2418.12	0.5	PASS
11B	Ant1	2437	12.68	2430.44	2443.12	0.5	PASS
11B	Ant1	2462	12.68	2455.44	2468.12	0.5	PASS
11G	Ant1	2412	16.56	2403.84	2420.40	0.5	PASS
11G	Ant1	2437	16.96	2428.40	2445.36	0.5	PASS
11G	Ant1	2462	16.52	2453.68	2470.20	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.48	2421.12	0.5	PASS
11N20SISO	Ant1	2437	16.36	2428.76	2445.12	0.5	PASS
11N20SISO	Ant1	2462	16.60	2453.72	2470.32	0.5	PASS

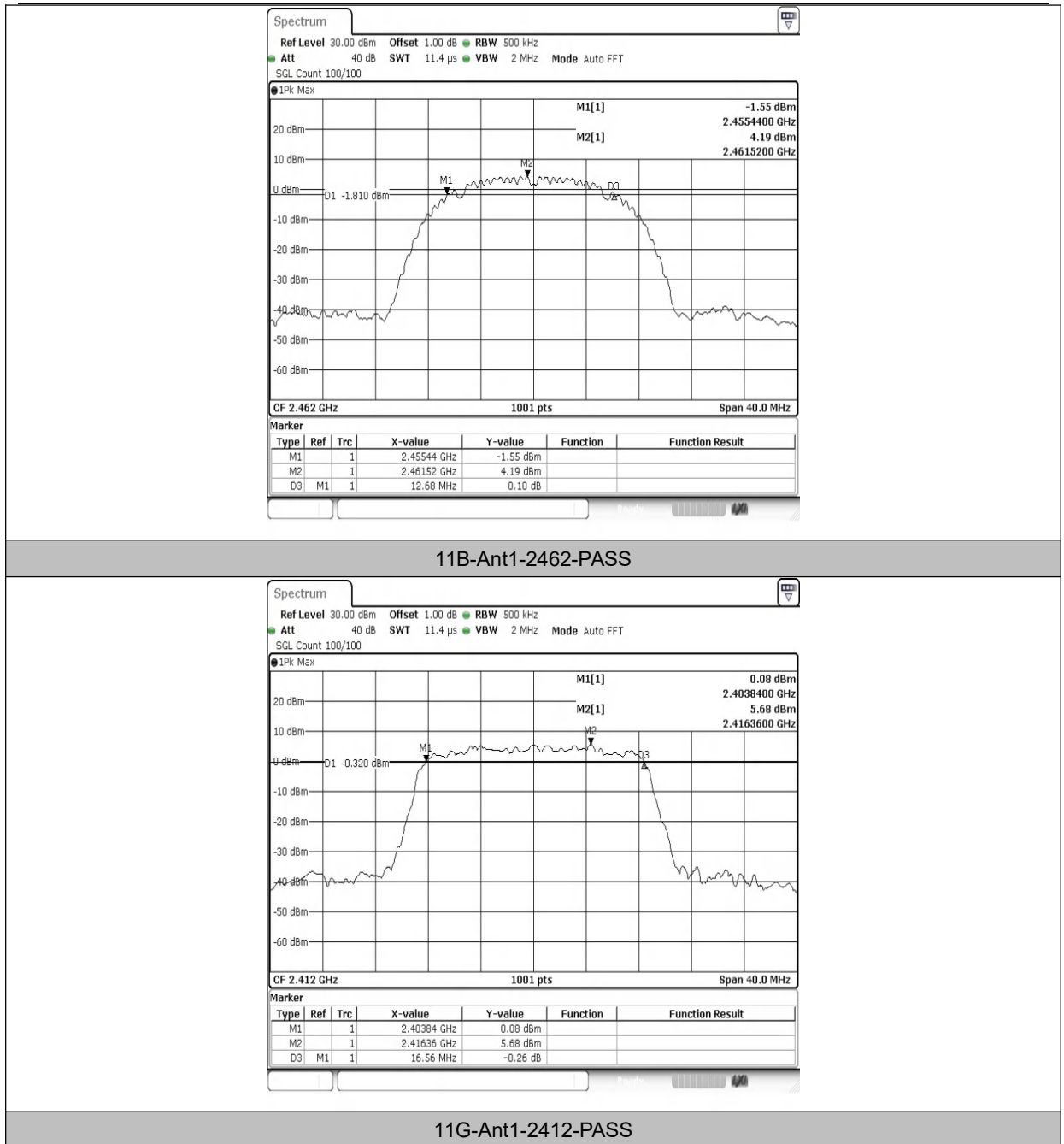
Test Graphs



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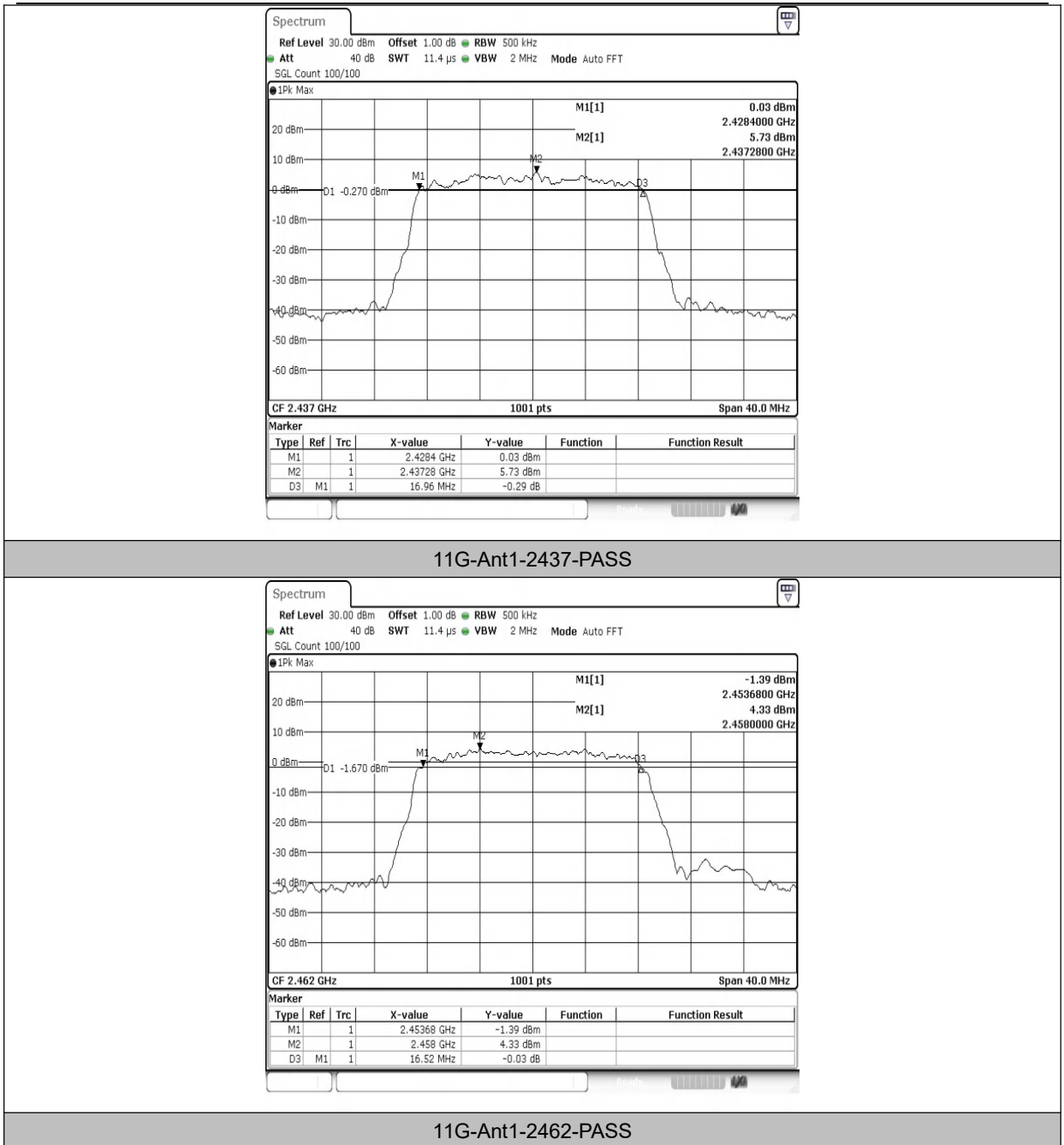
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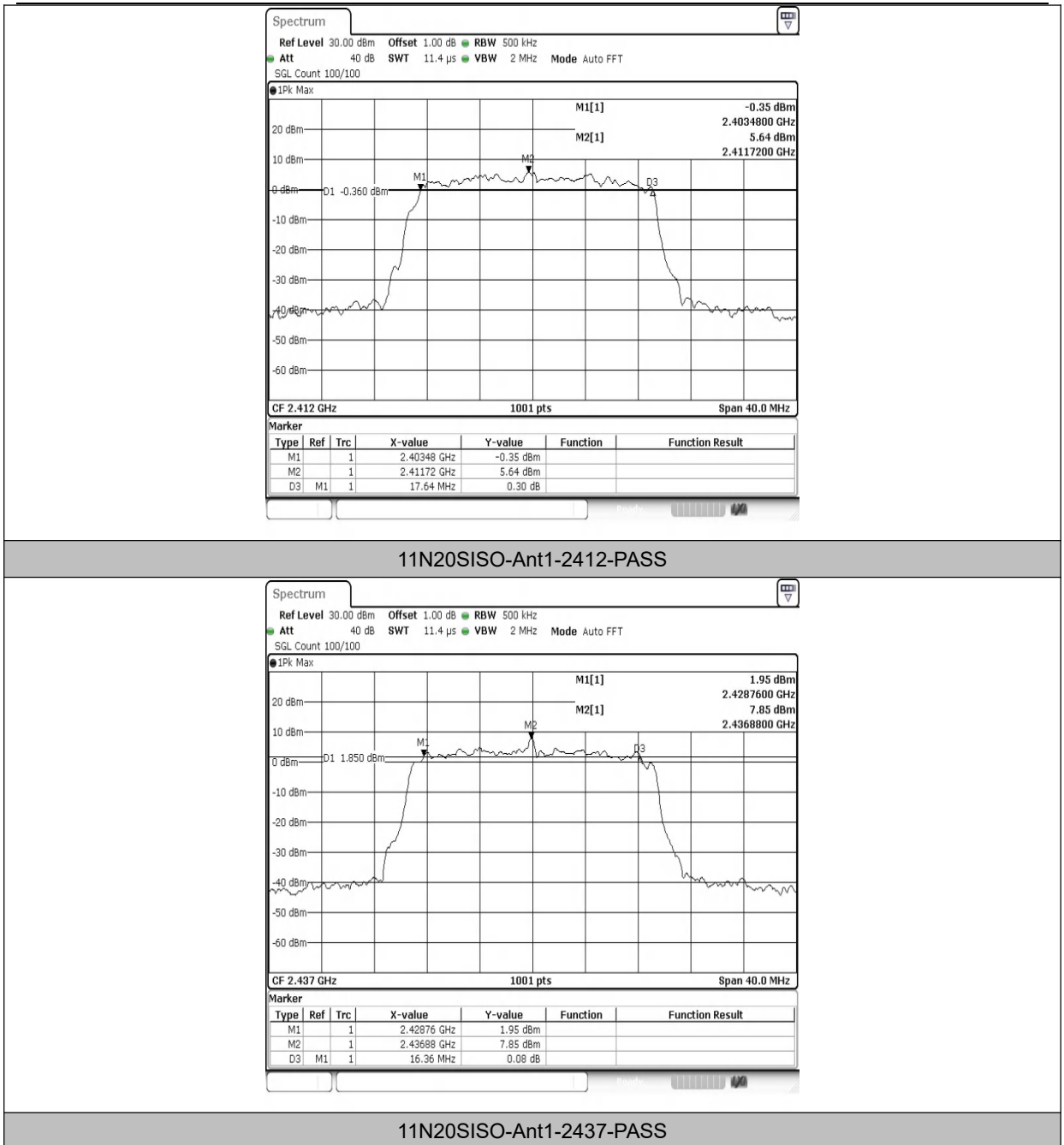
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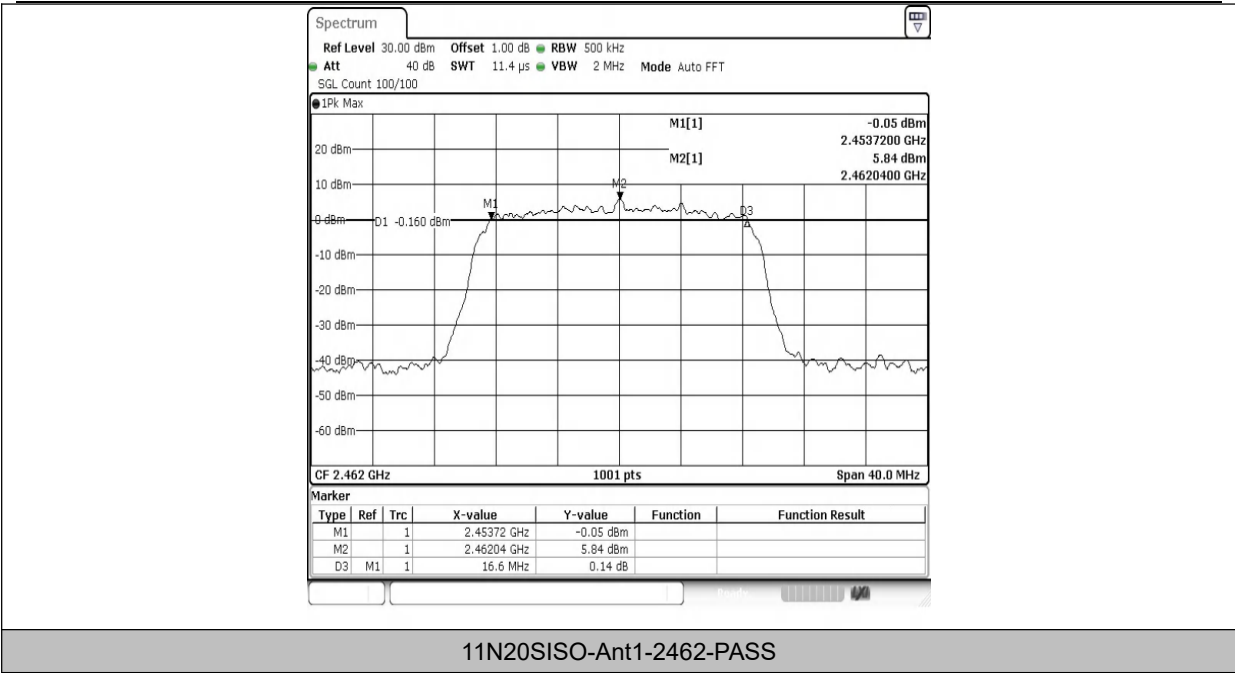
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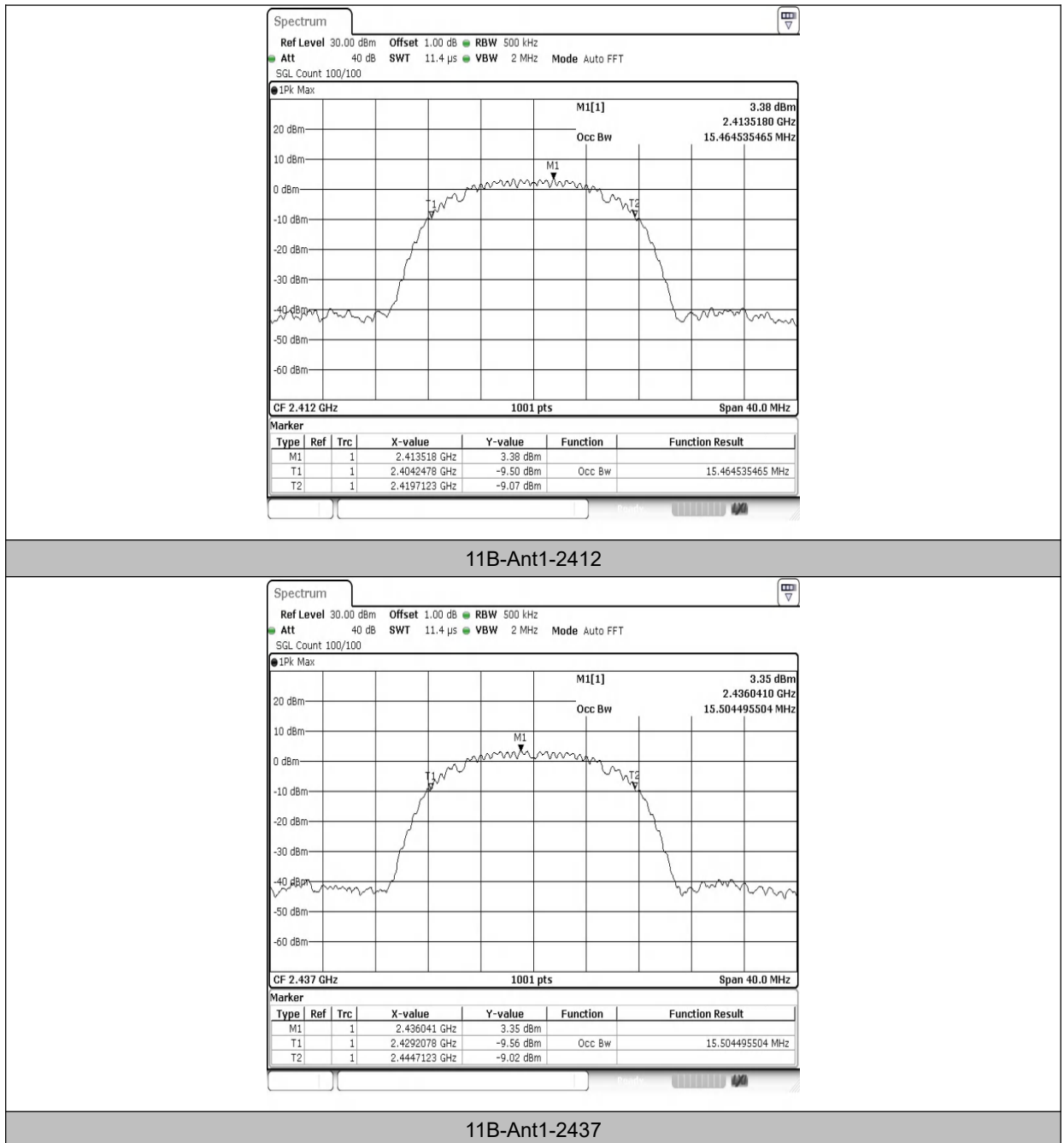
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.465	2404.2478	2419.7123	---	---
11B	Ant1	2437	15.504	2429.2078	2444.7123	---	---
11B	Ant1	2462	15.504	2454.2078	2469.7123	---	---
11G	Ant1	2412	17.303	2403.2088	2420.5115	---	---
11G	Ant1	2437	17.143	2428.4885	2445.6314	---	---
11G	Ant1	2462	16.983	2453.4885	2470.4715	---	---
11N20SISO	Ant1	2412	18.462	2402.8092	2421.2707	---	---
11N20SISO	Ant1	2437	18.262	2427.9690	2446.2308	---	---
11N20SISO	Ant1	2462	18.422	2452.7692	2471.1908	---	---

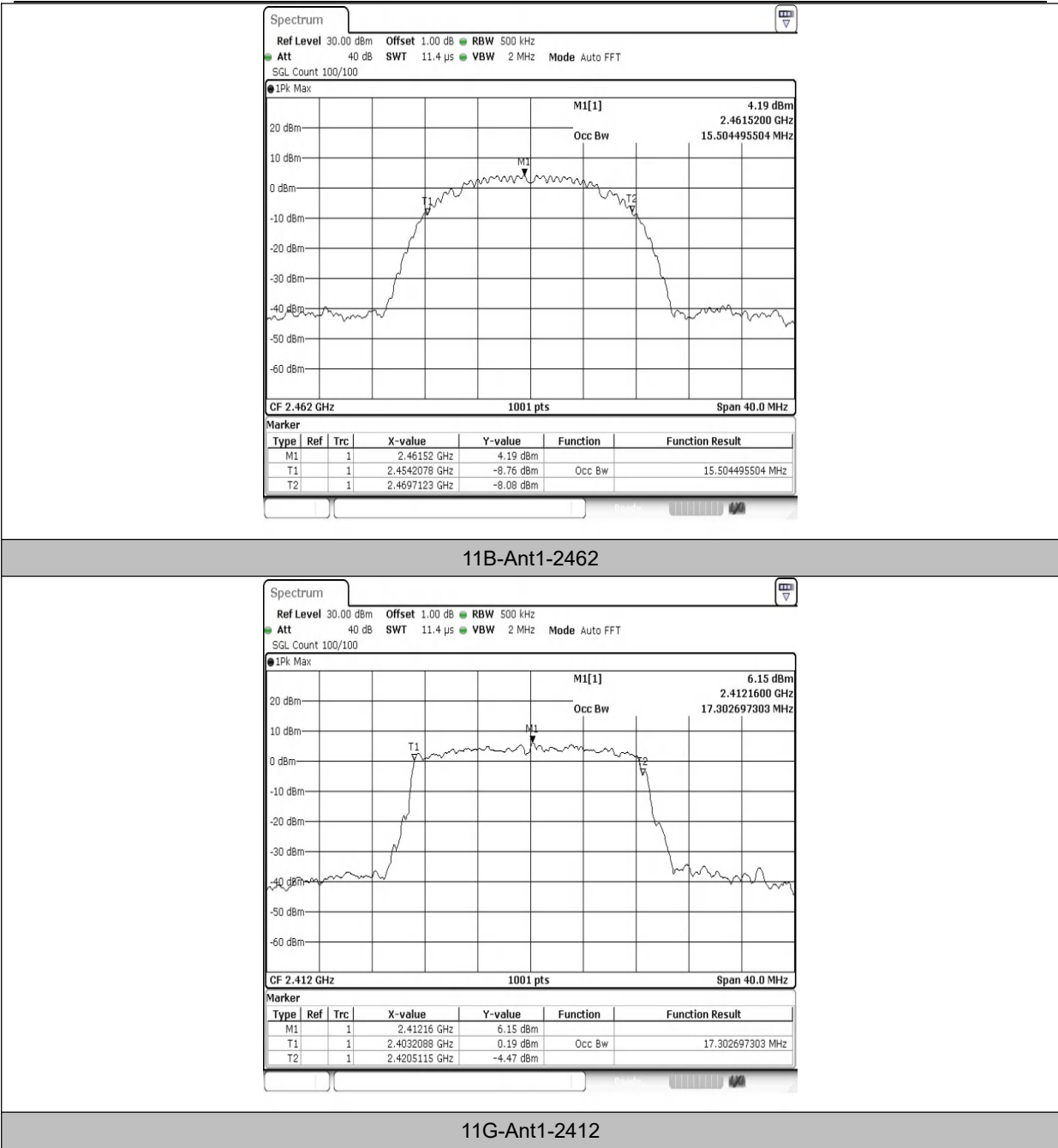
Test Graphs

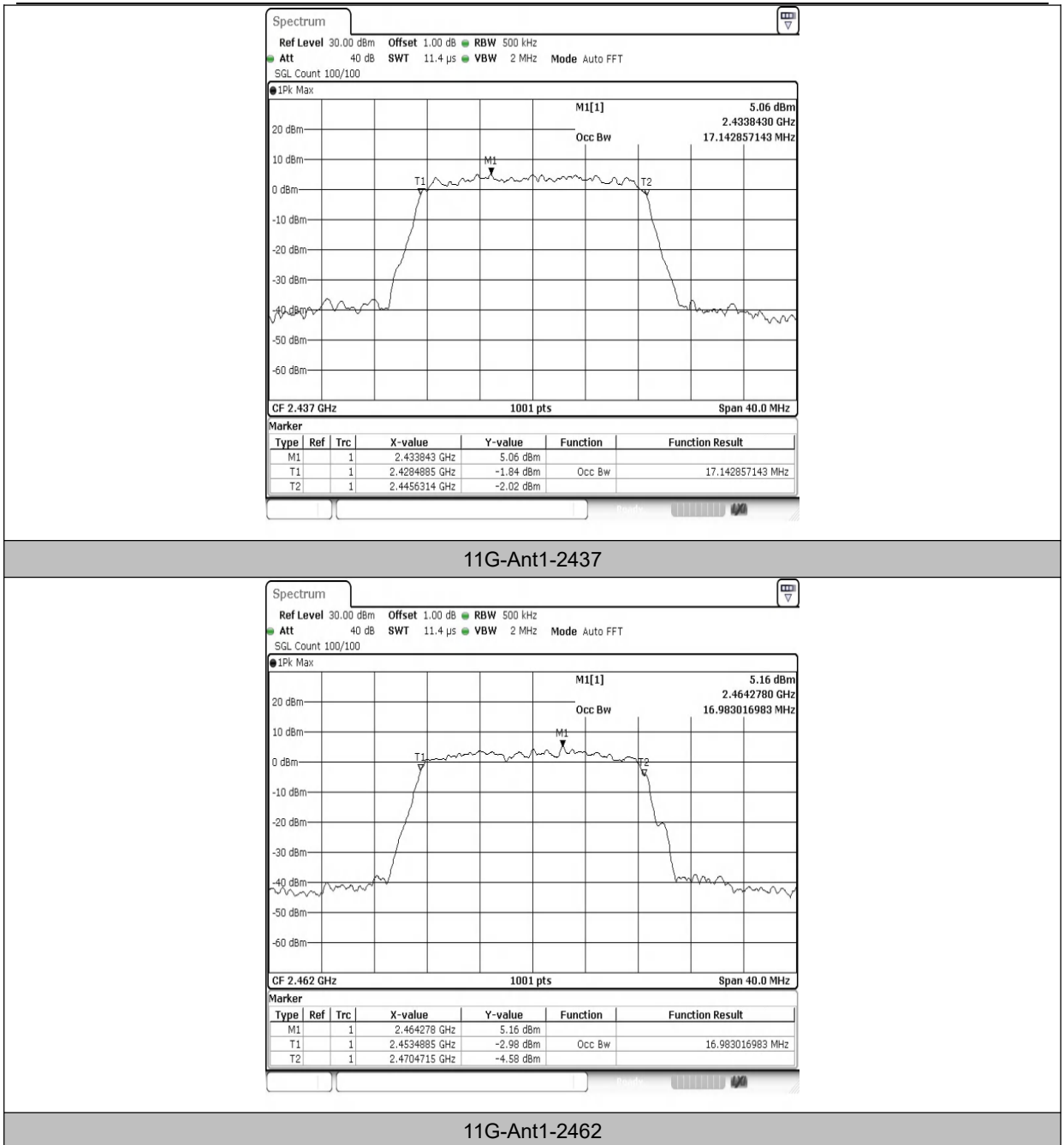


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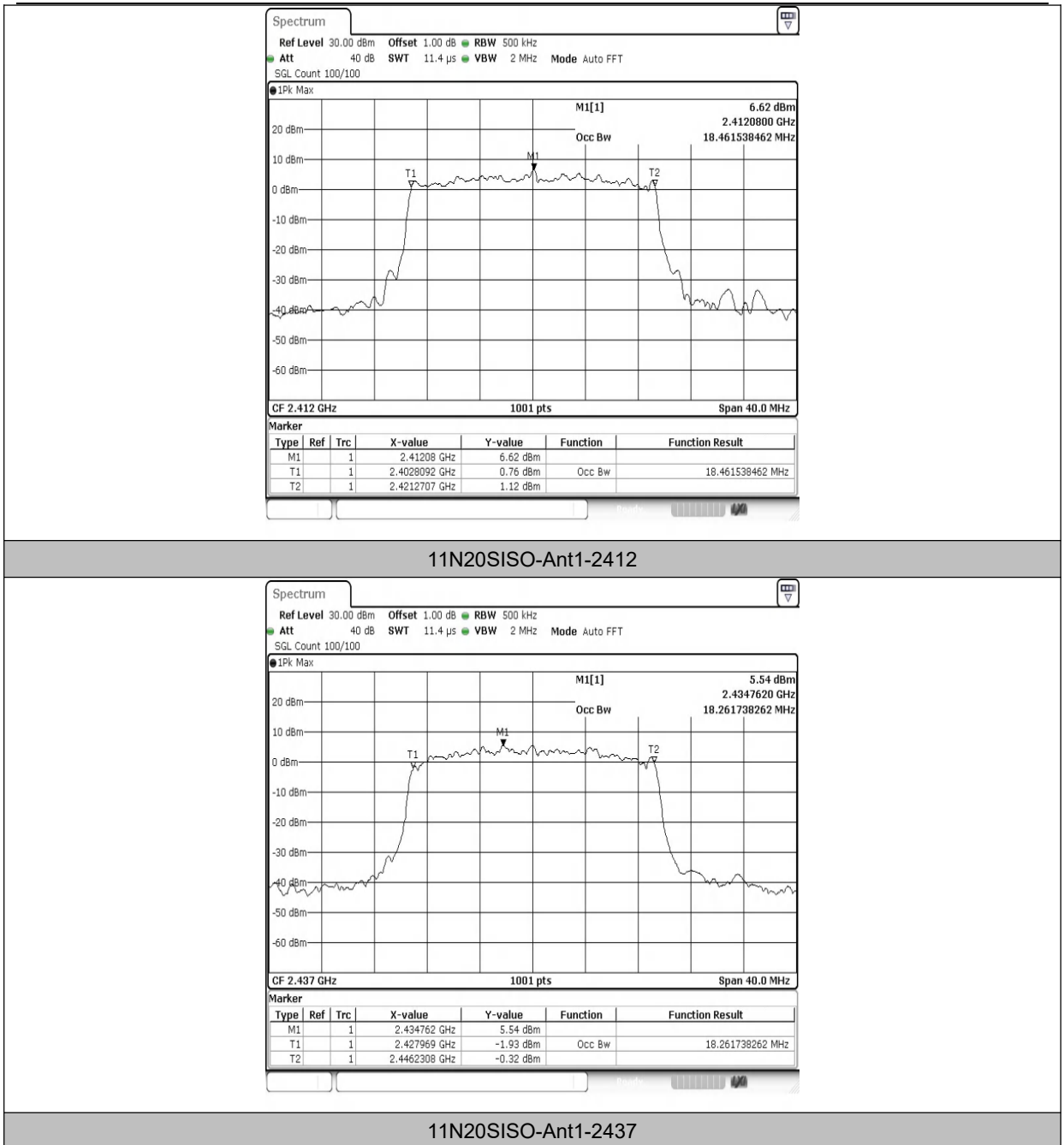




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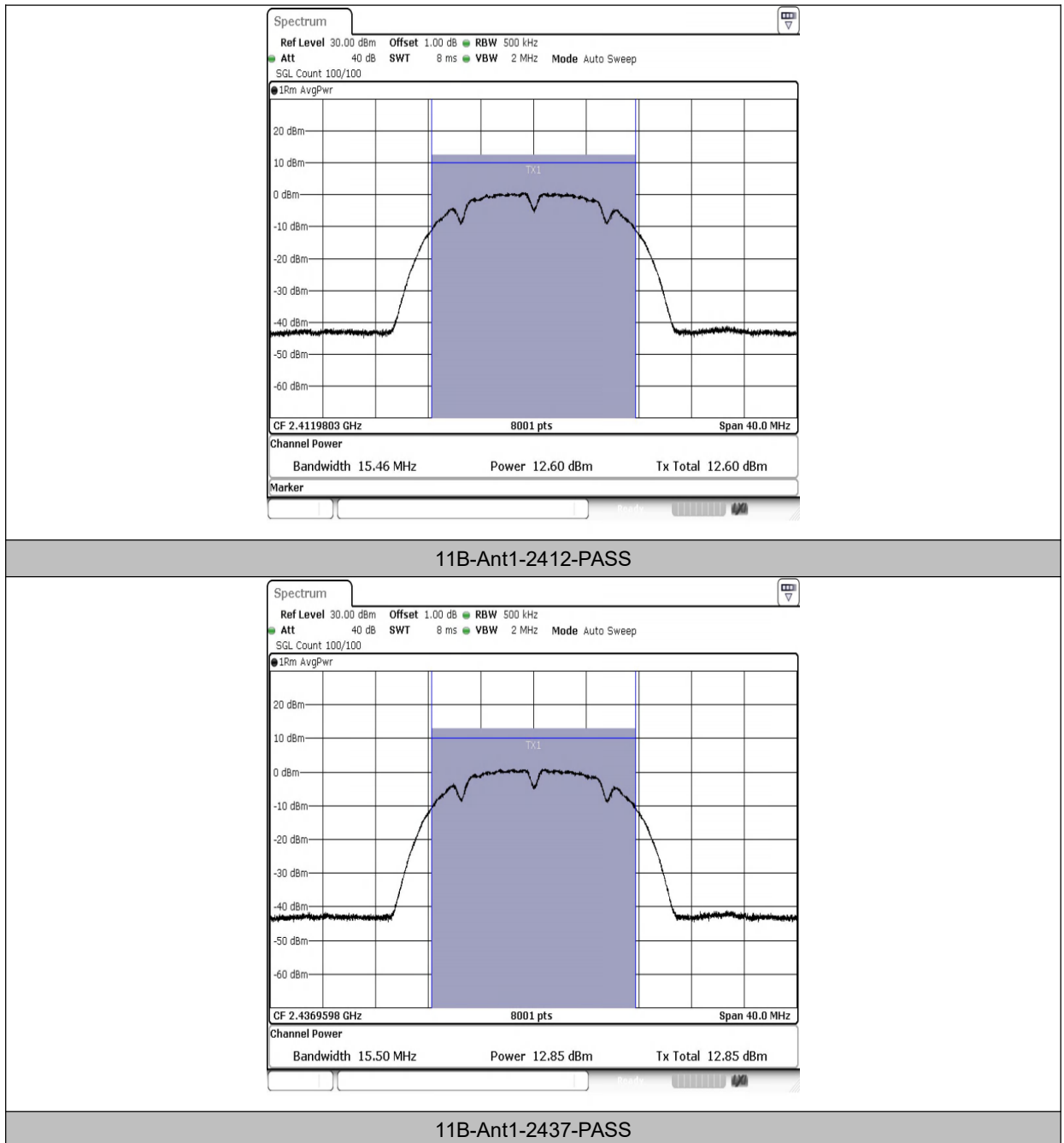
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Set Power	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	12.60	≤30.00	PASS
11B	Ant1	2437	NA	12.85	≤30.00	PASS
11B	Ant1	2462	NA	13.72	≤30.00	PASS
11G	Ant1	2412	NA	12.86	≤30.00	PASS
11G	Ant1	2437	NA	12.50	≤30.00	PASS
11G	Ant1	2462	NA	11.85	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.72	≤30.00	PASS
11N20SISO	Ant1	2437	NA	12.31	≤30.00	PASS
11N20SISO	Ant1	2462	NA	11.68	≤30.00	PASS

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

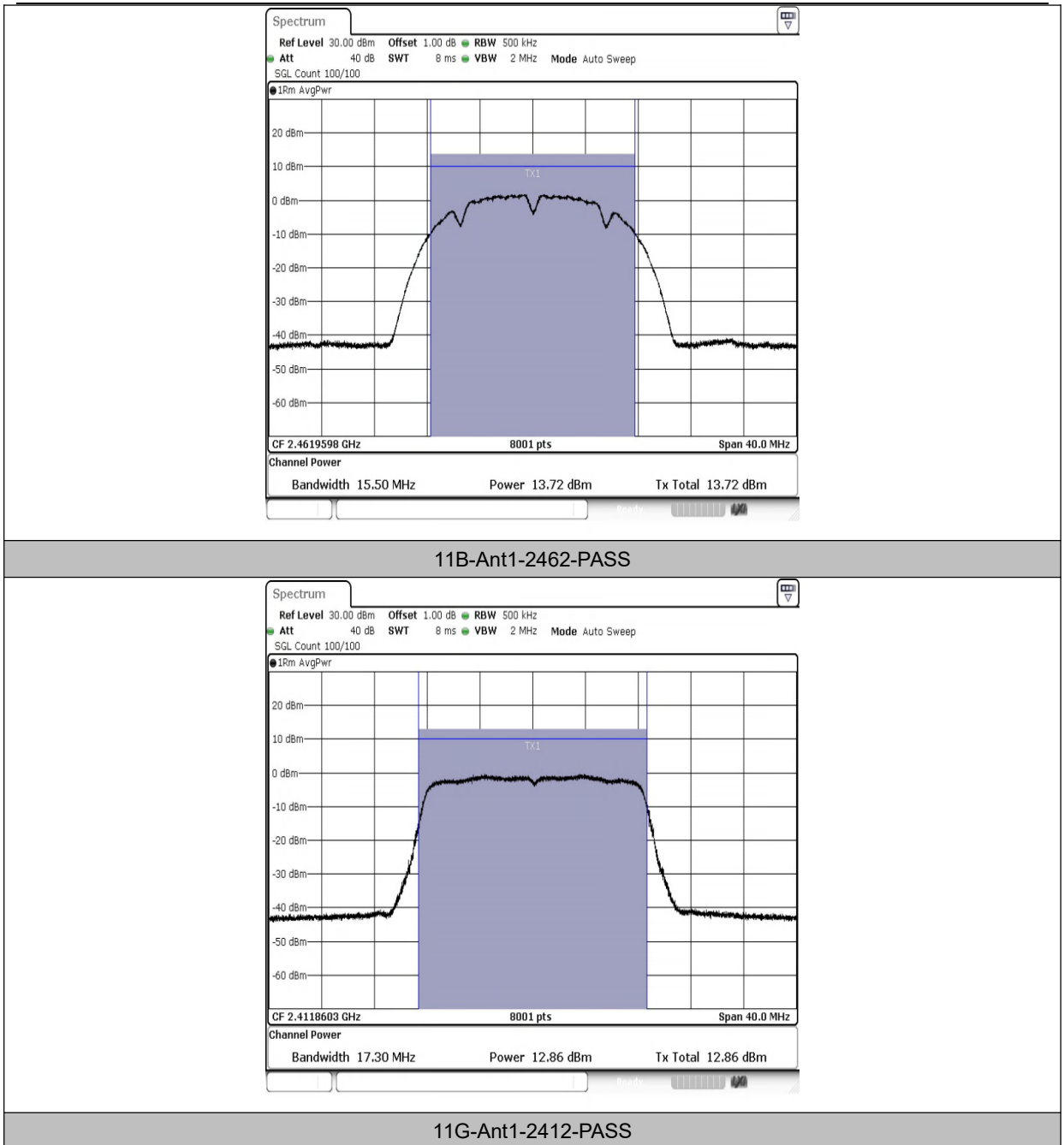
Test Graphs Average



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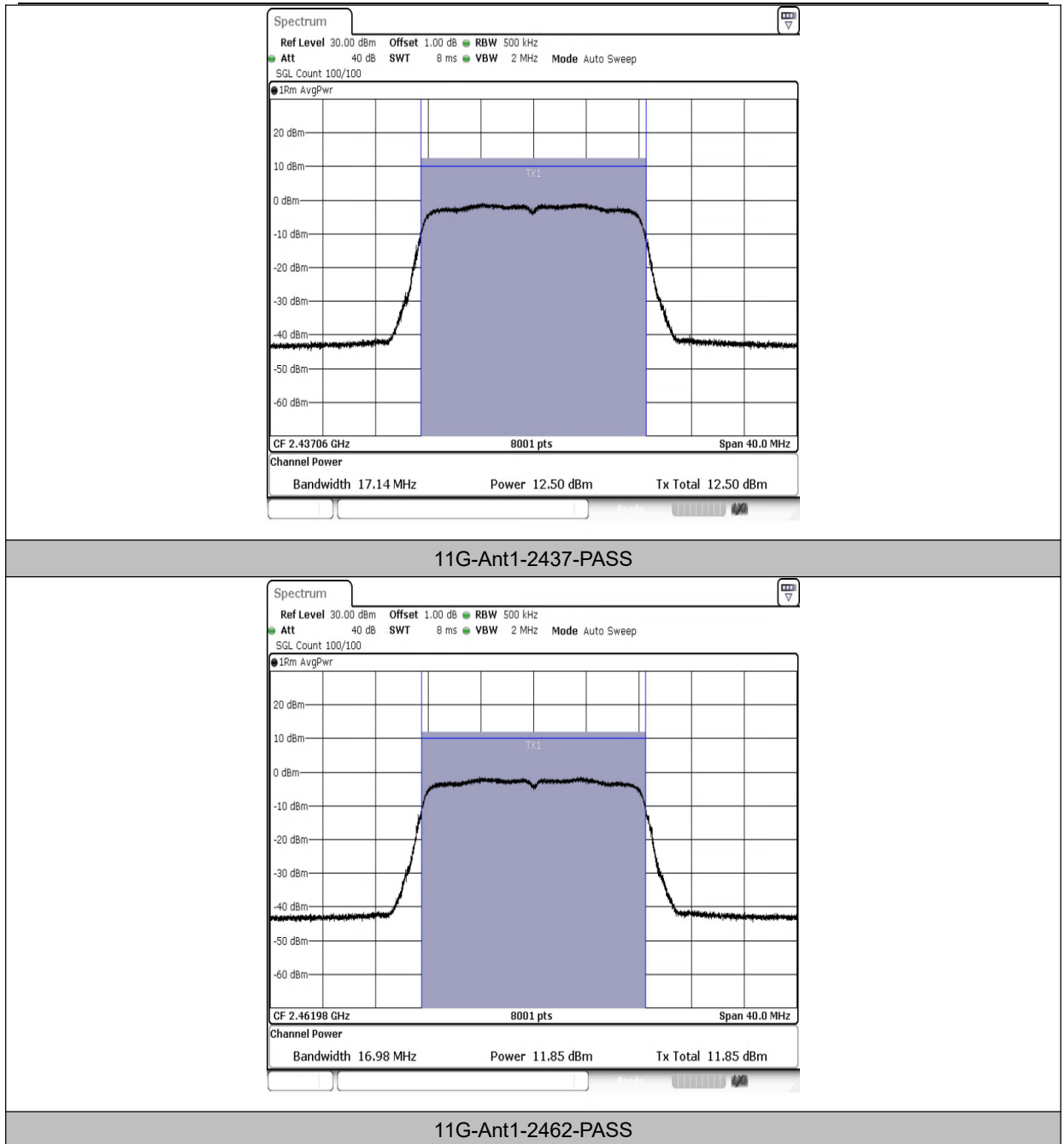
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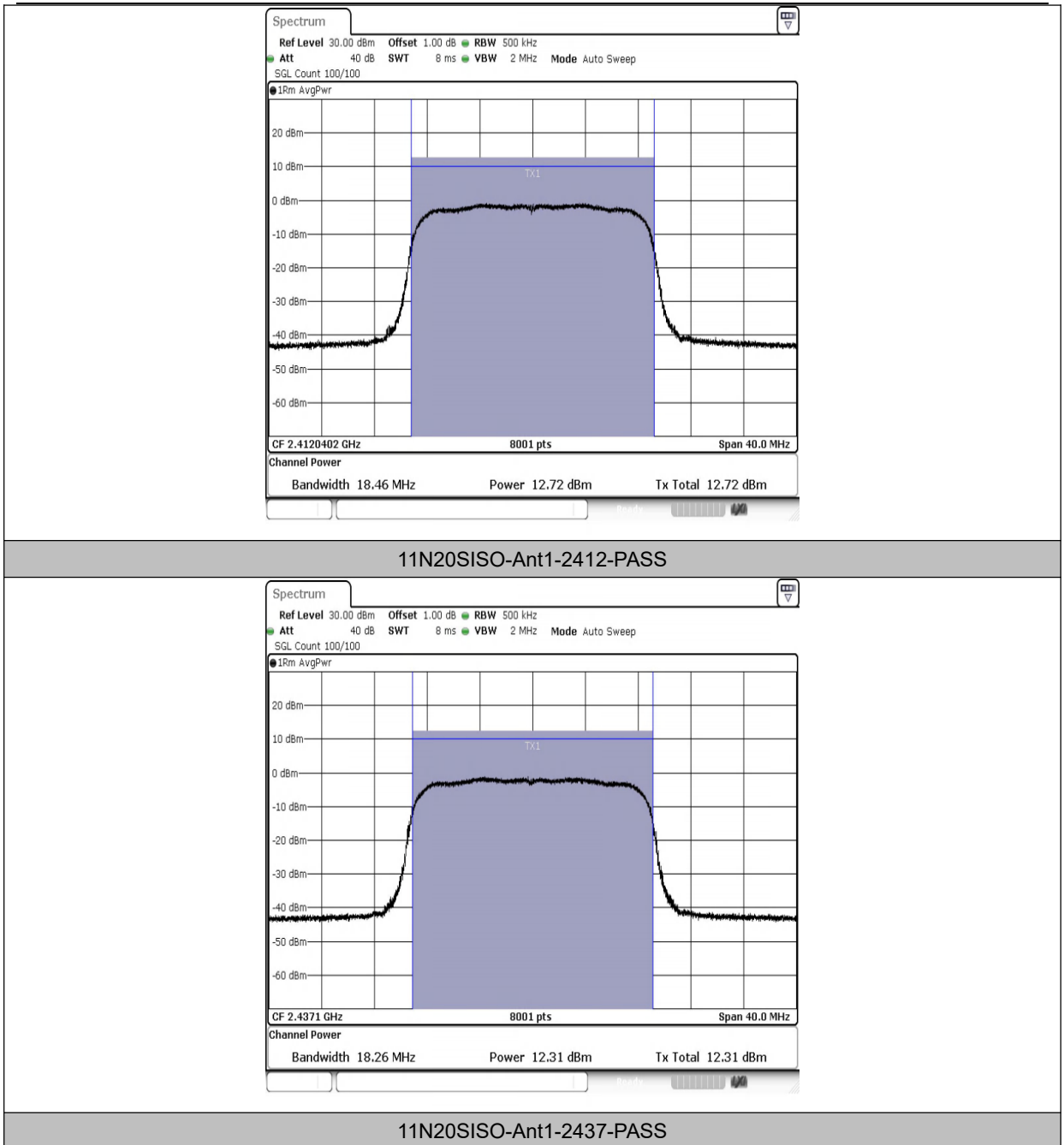
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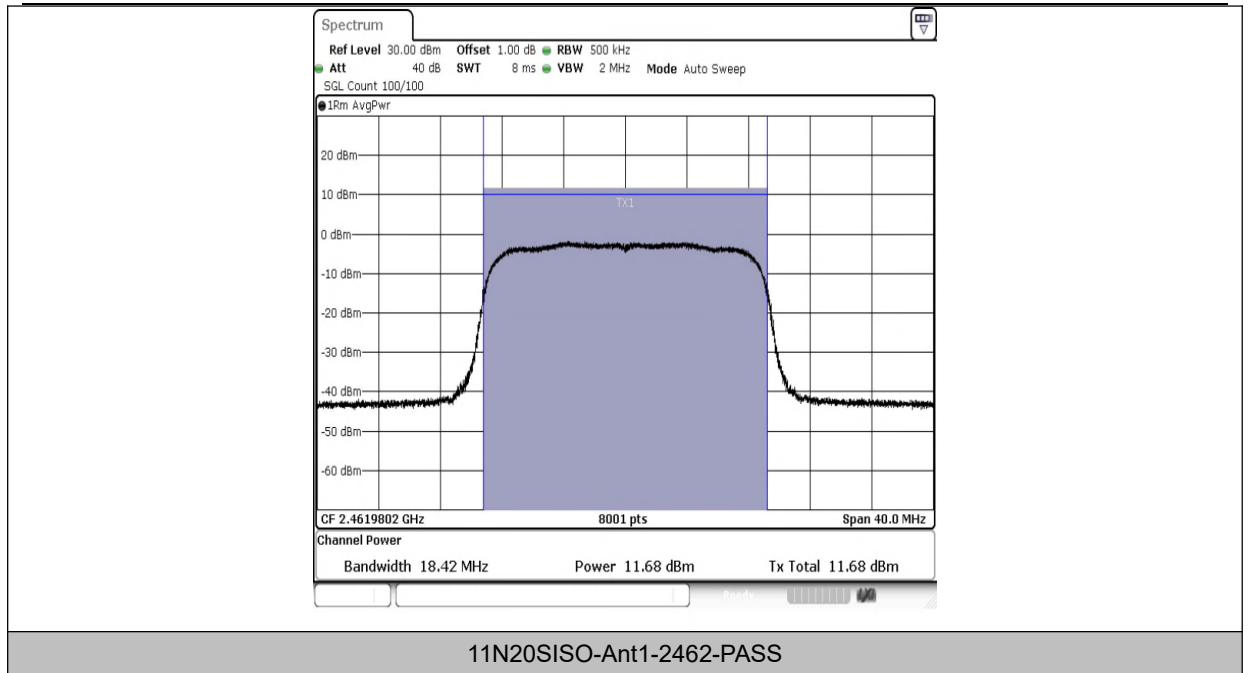
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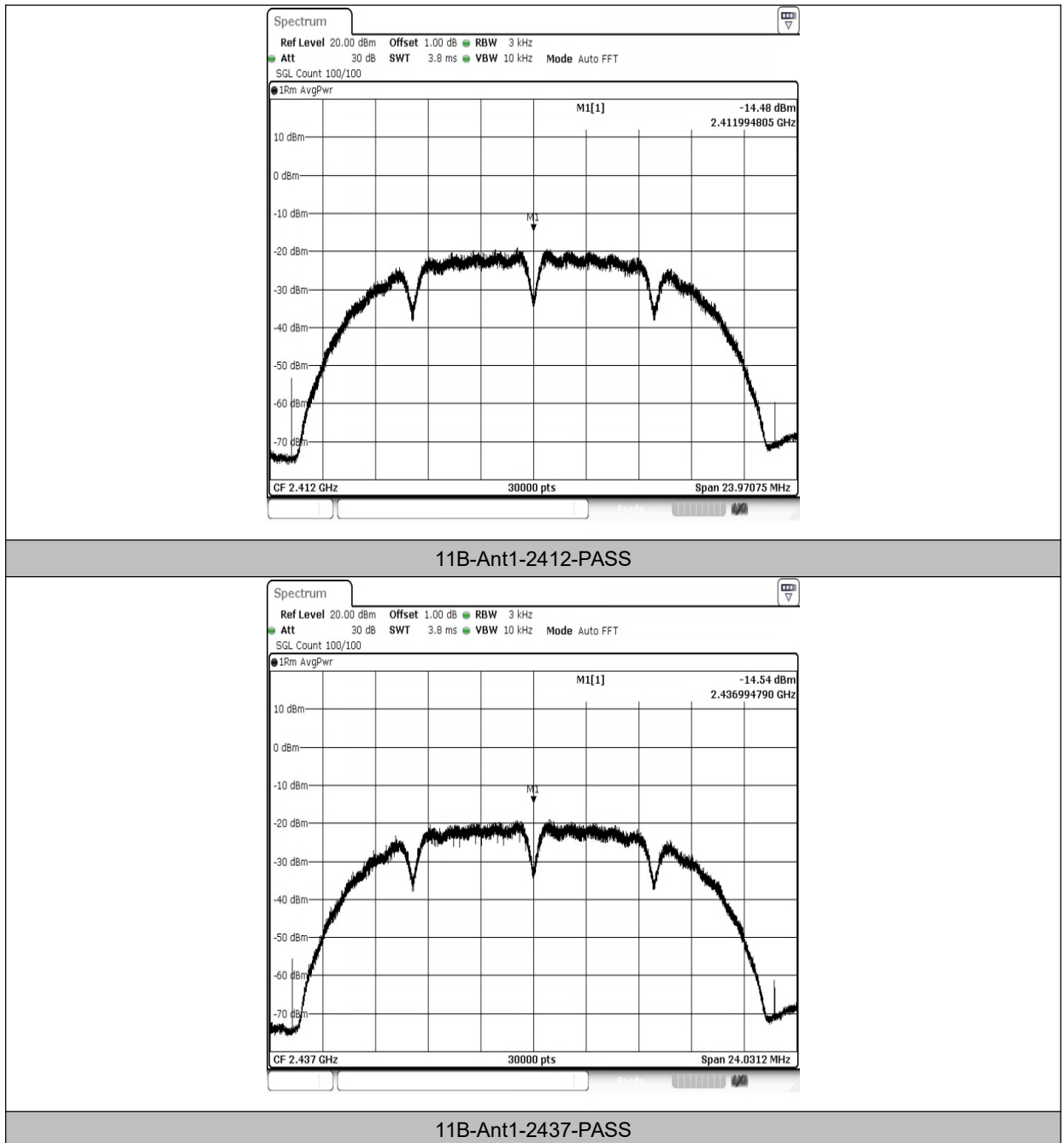
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.48	≤8.00	PASS
11B	Ant1	2437	-14.54	≤8.00	PASS
11B	Ant1	2462	-14.13	≤8.00	PASS
11G	Ant1	2412	-14.10	≤8.00	PASS
11G	Ant1	2437	-14.12	≤8.00	PASS
11G	Ant1	2462	-15.26	≤8.00	PASS
11N20SISO	Ant1	2412	-14.90	≤8.00	PASS
11N20SISO	Ant1	2437	-15.17	≤8.00	PASS
11N20SISO	Ant1	2462	-16.08	≤8.00	PASS

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

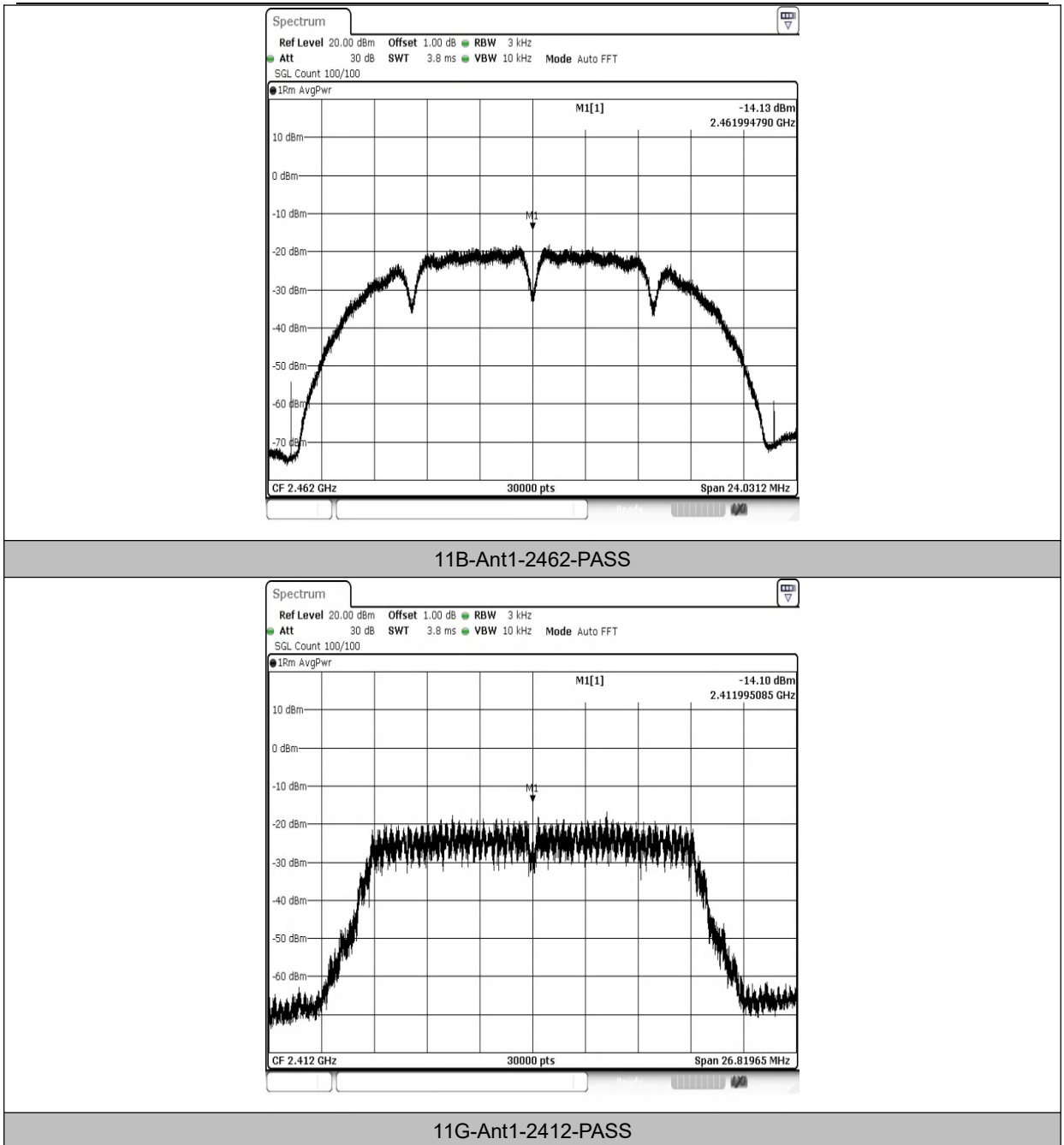
Test Graphs



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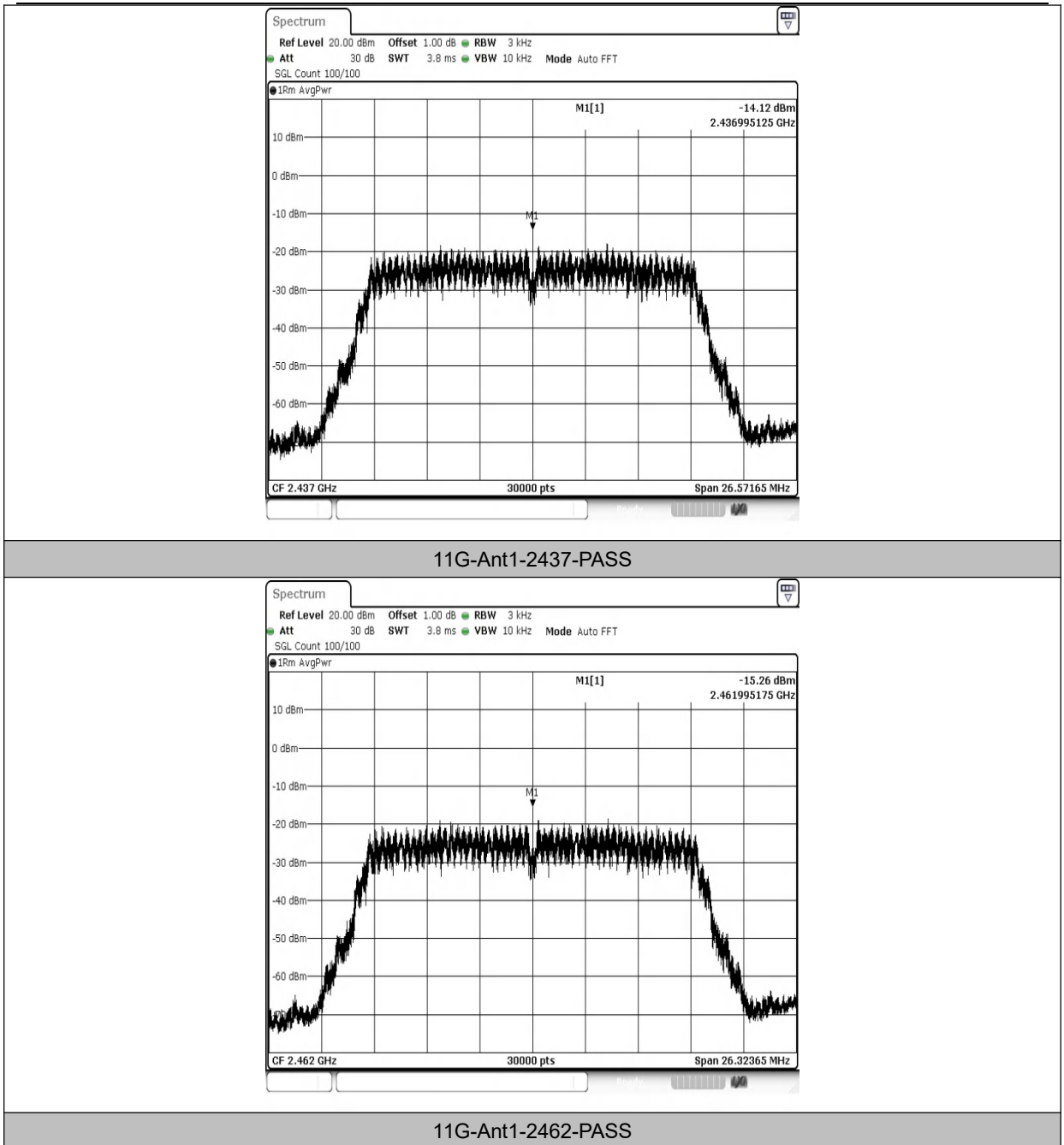
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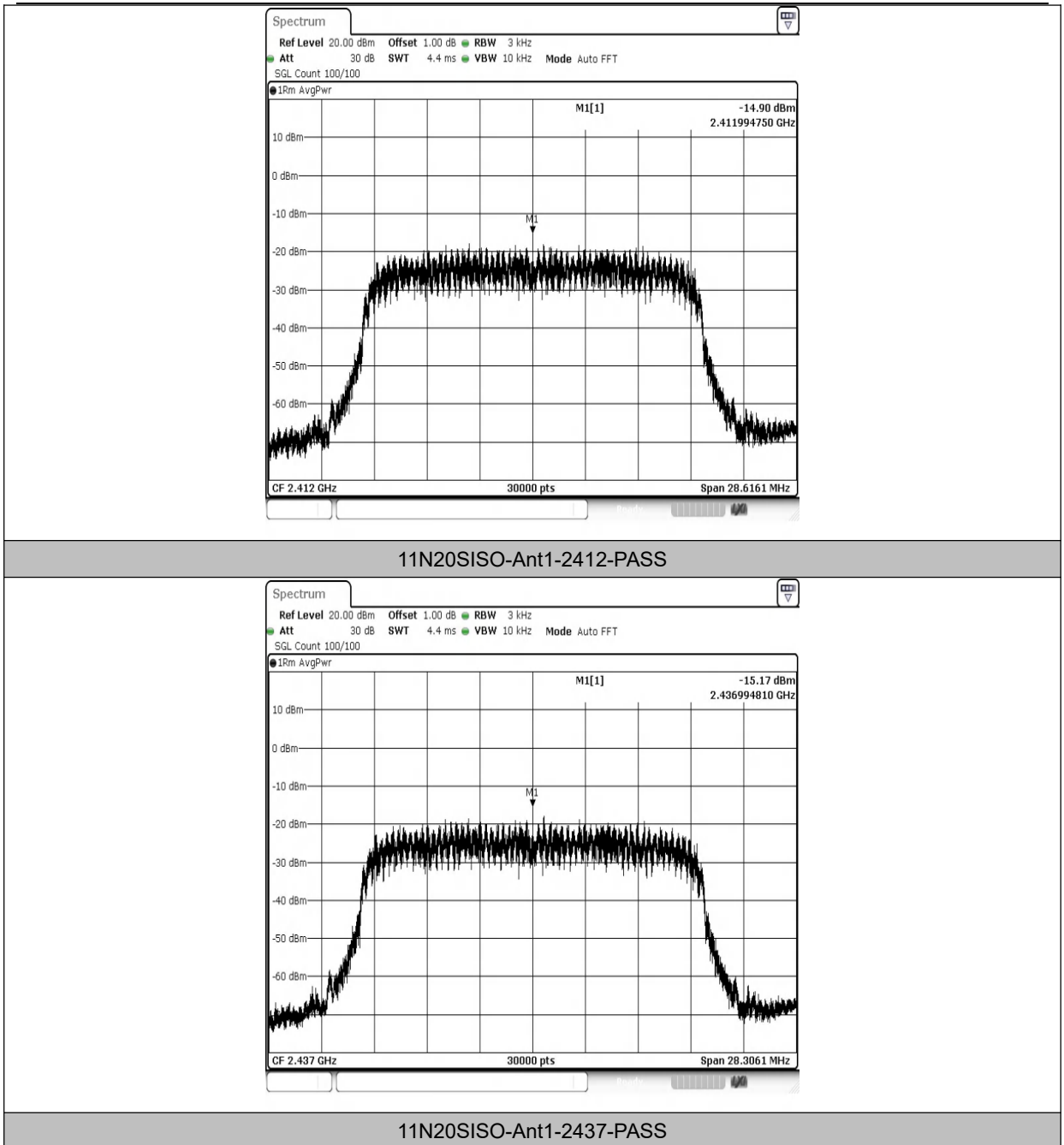
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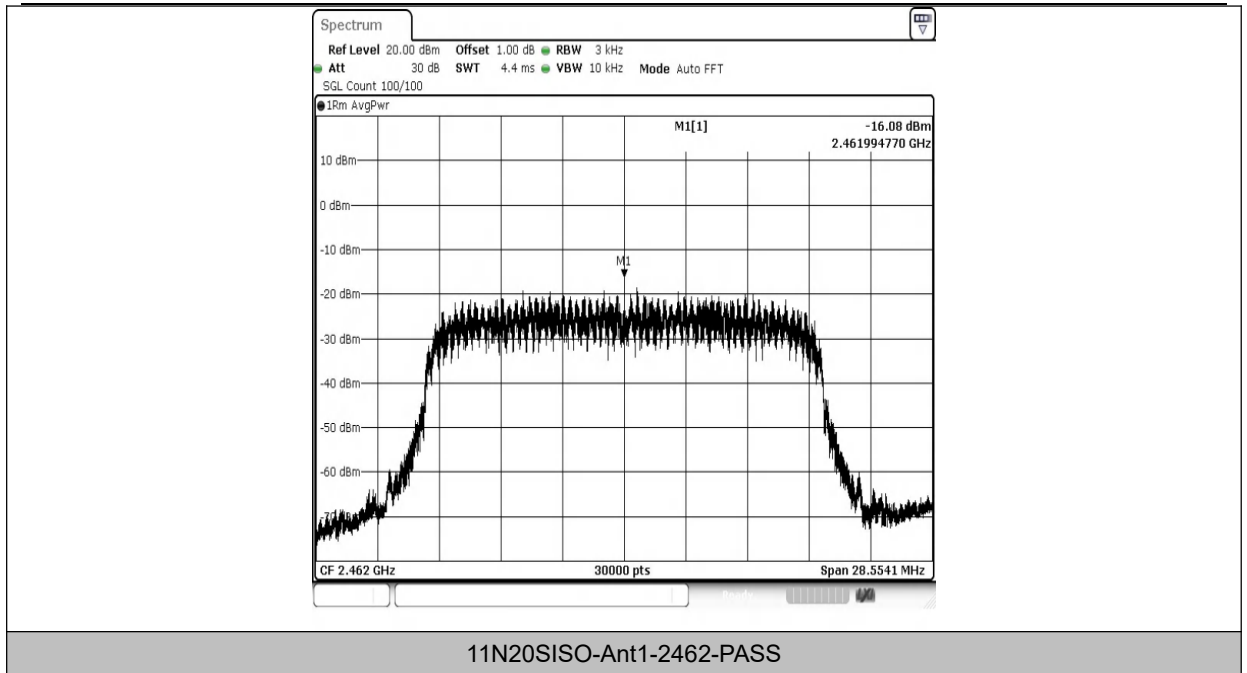
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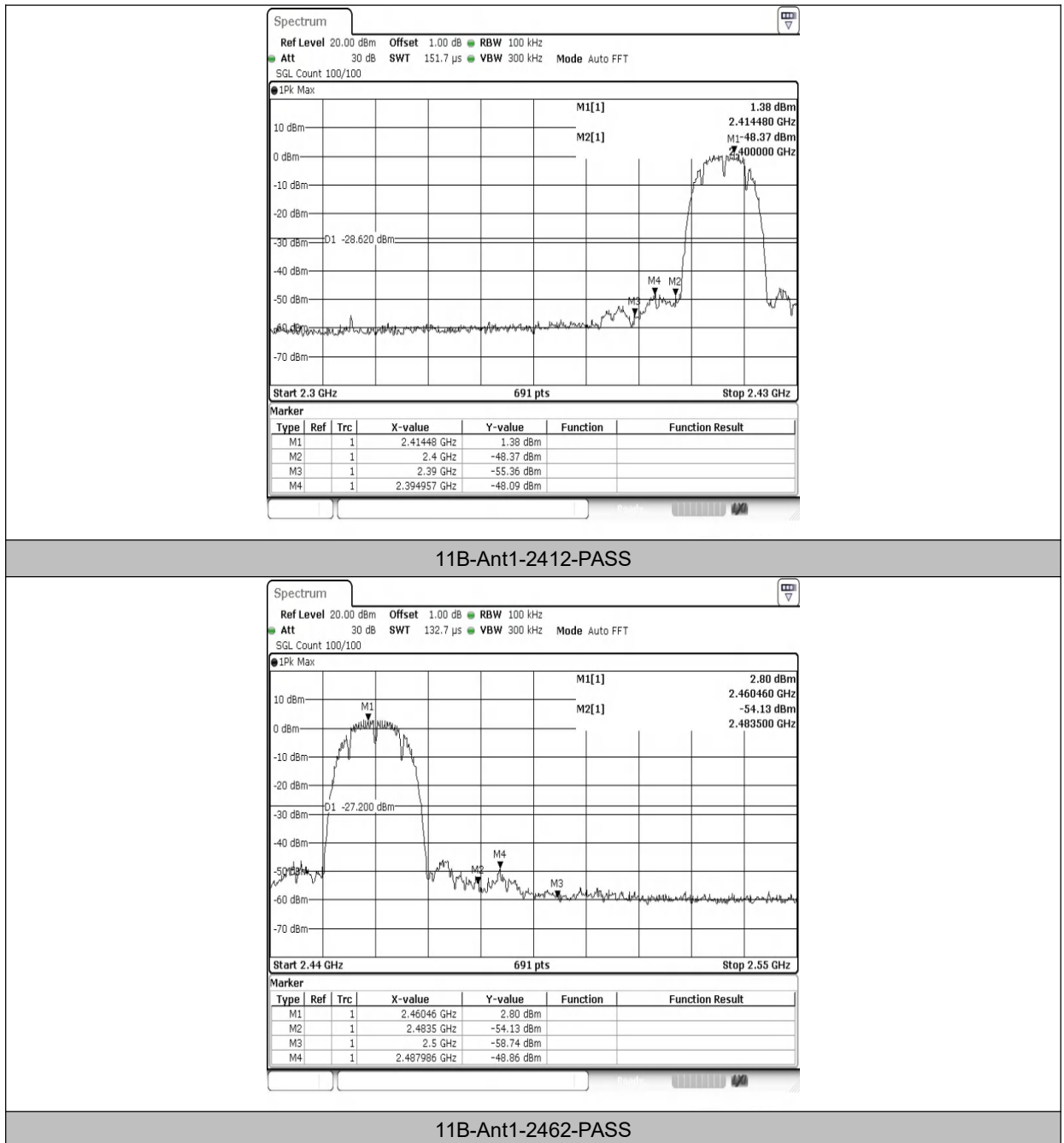
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.38	-48.09	≤ -28.62	PASS
11B	Ant1	High	2462	2.80	-48.86	≤ -27.2	PASS
11G	Ant1	Low	2412	-0.14	-44.2	≤ -30.14	PASS
11G	Ant1	High	2462	-2.13	-52.98	≤ -32.13	PASS
11N20SISO	Ant1	Low	2412	1.94	-45.98	≤ -28.06	PASS
11N20SISO	Ant1	High	2462	0.85	-53.37	≤ -29.15	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

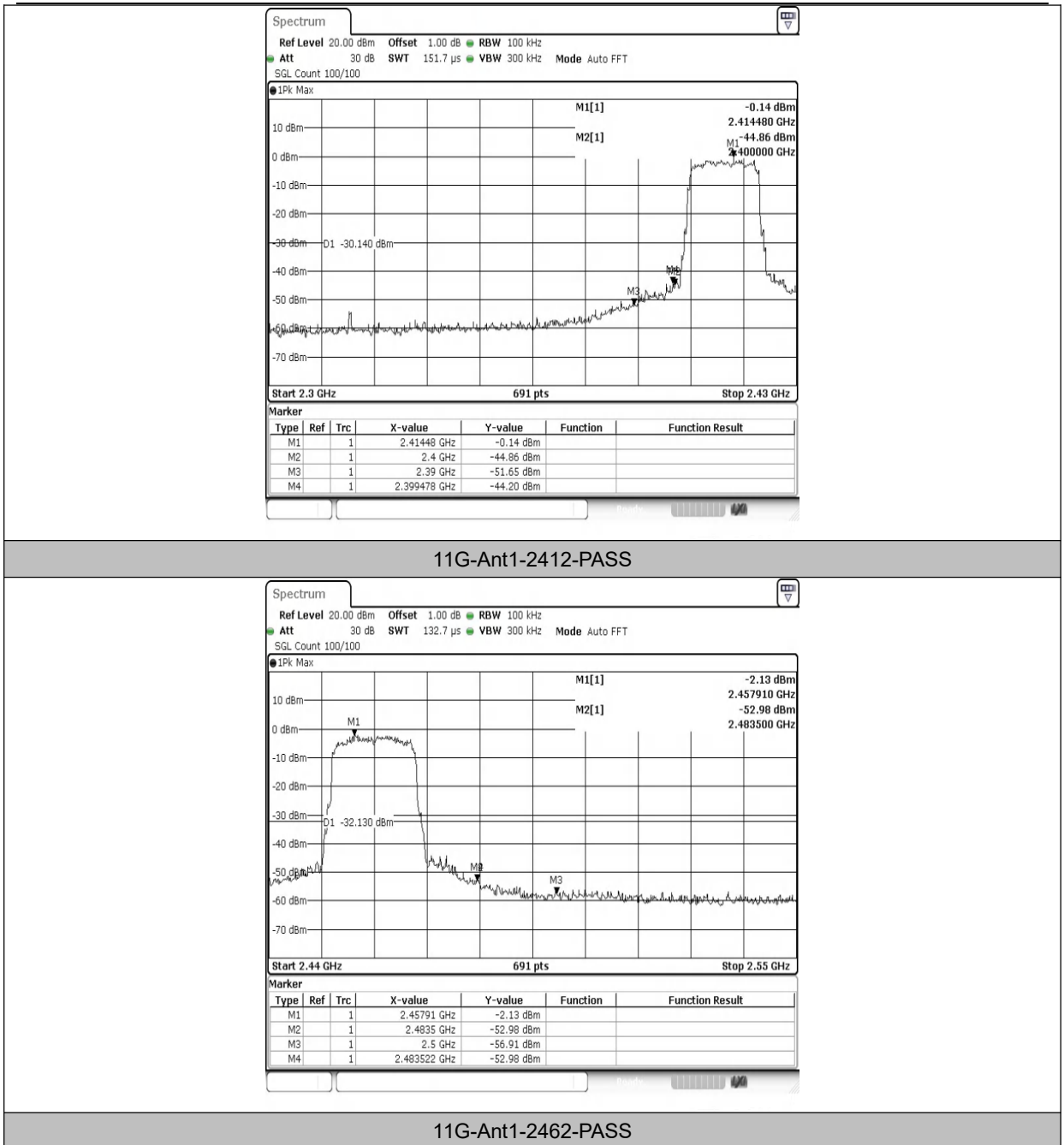
Test Graphs



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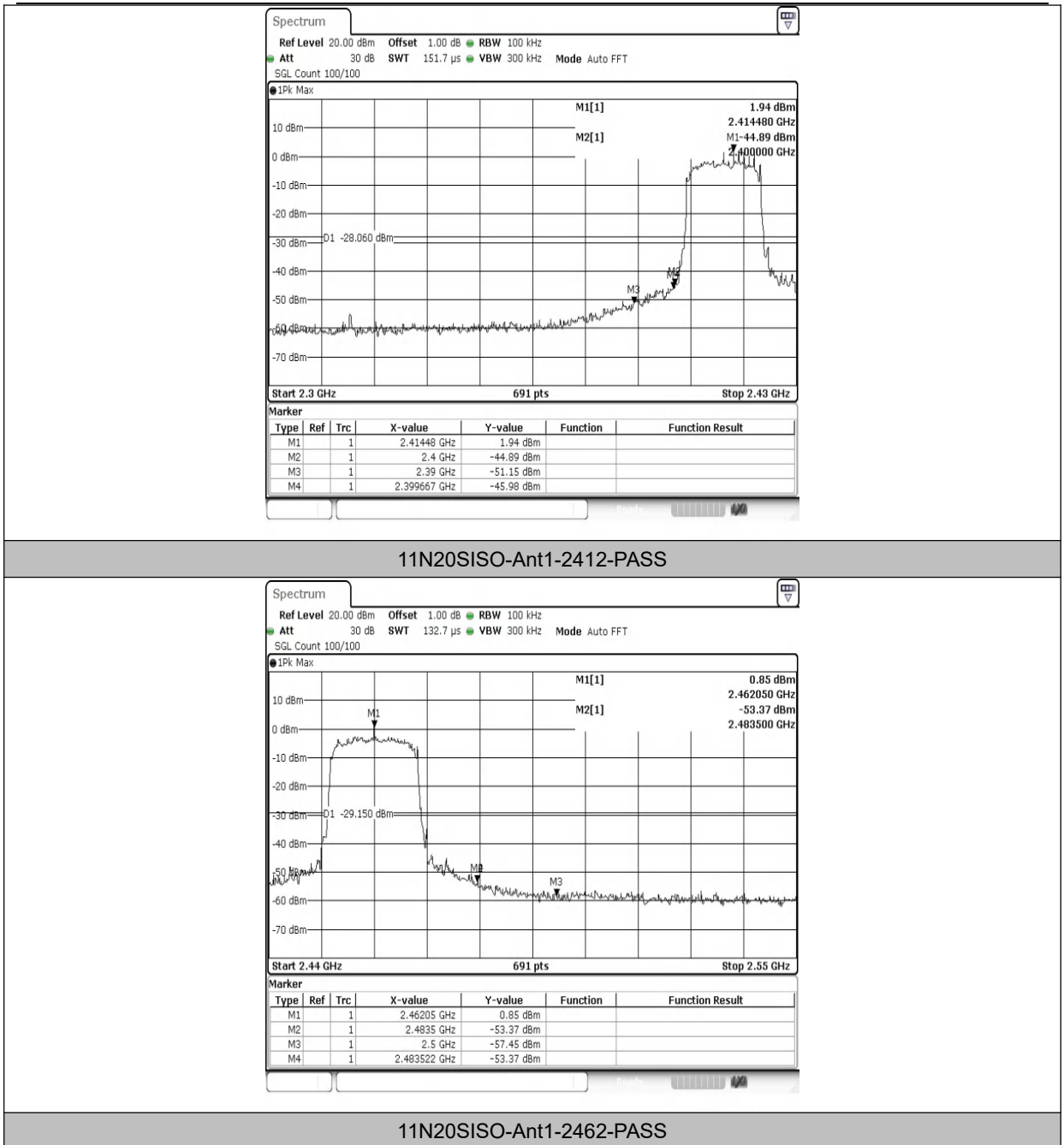
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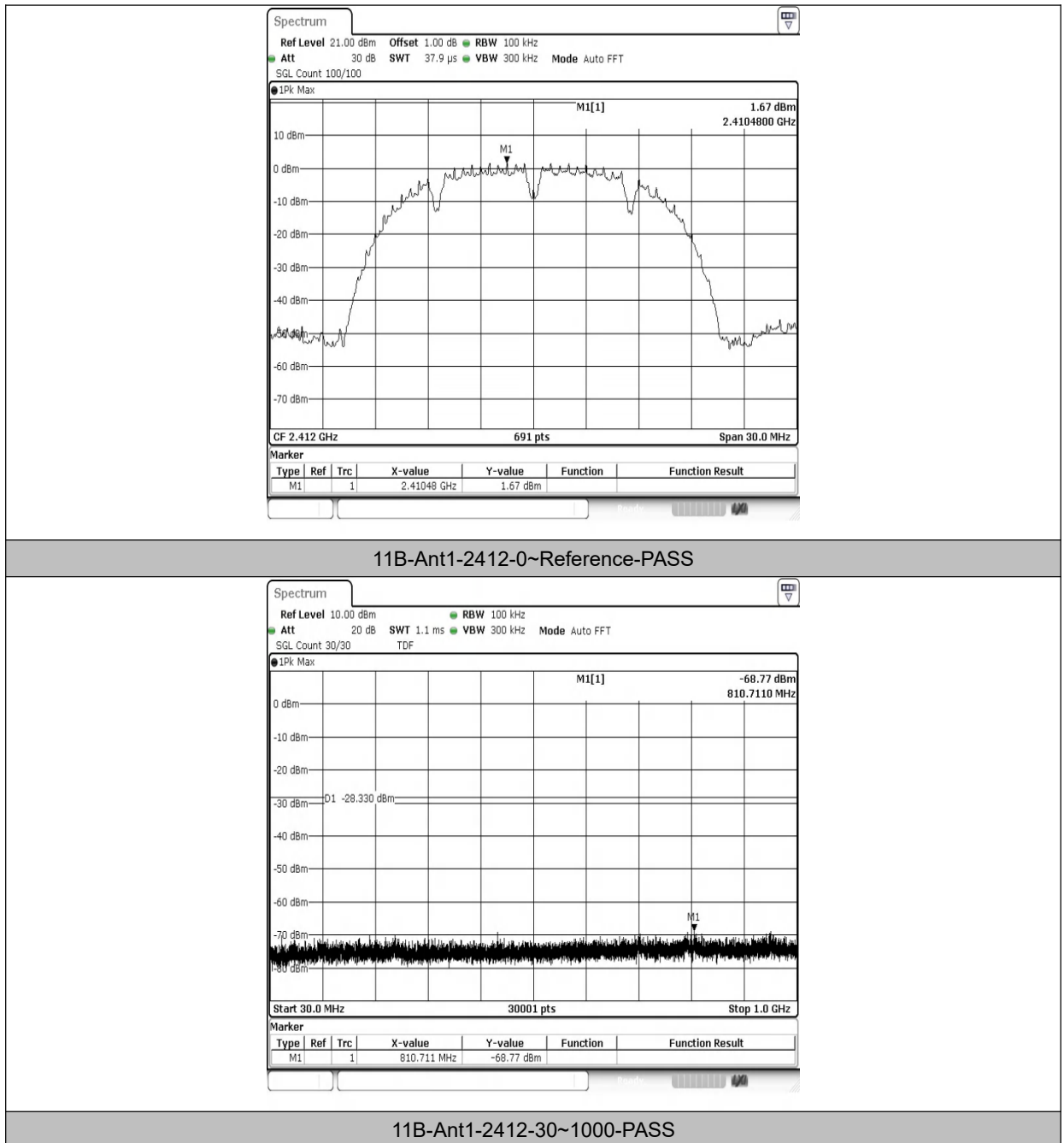
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.67	1.67	---	PASS
11B	Ant1	2412	30~1000	1.67	-68.77	≤-28.33	PASS
11B	Ant1	2412	1000~26500	1.67	-49.21	≤-28.33	PASS
11B	Ant1	2437	0~Reference	2.52	2.52	---	PASS
11B	Ant1	2437	30~1000	2.52	-68.12	≤-27.48	PASS
11B	Ant1	2437	1000~26500	2.52	-48.66	≤-27.48	PASS
11B	Ant1	2462	0~Reference	2.99	2.99	---	PASS
11B	Ant1	2462	30~1000	2.99	-68.46	≤-27.01	PASS
11B	Ant1	2462	1000~26500	2.99	-48.02	≤-27.01	PASS
11G	Ant1	2412	0~Reference	1.23	1.23	---	PASS
11G	Ant1	2412	30~1000	1.23	-68.65	≤-28.77	PASS
11G	Ant1	2412	1000~26500	1.23	-48.55	≤-28.77	PASS
11G	Ant1	2437	0~Reference	1.00	1.00	---	PASS
11G	Ant1	2437	30~1000	1.00	-69.25	≤-29	PASS
11G	Ant1	2437	1000~26500	1.00	-49.12	≤-29	PASS
11G	Ant1	2462	0~Reference	-0.73	-0.73	---	PASS
11G	Ant1	2462	30~1000	-0.73	-69.33	≤-30.73	PASS
11G	Ant1	2462	1000~26500	-0.73	-48.46	≤-30.73	PASS
11N20SISO	Ant1	2412	0~Reference	-0.43	-0.43	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.43	-68.58	≤-30.43	PASS
11N20SISO	Ant1	2412	1000~26500	-0.43	-49.69	≤-30.43	PASS
11N20SISO	Ant1	2437	0~Reference	1.46	1.46	---	PASS
11N20SISO	Ant1	2437	30~1000	1.46	-69.15	≤-28.54	PASS
11N20SISO	Ant1	2437	1000~26500	1.46	-49.25	≤-28.54	PASS
11N20SISO	Ant1	2462	0~Reference	-1.22	-1.22	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.22	-64.16	≤-31.22	PASS
11N20SISO	Ant1	2462	1000~26500	-1.22	-49.04	≤-31.22	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

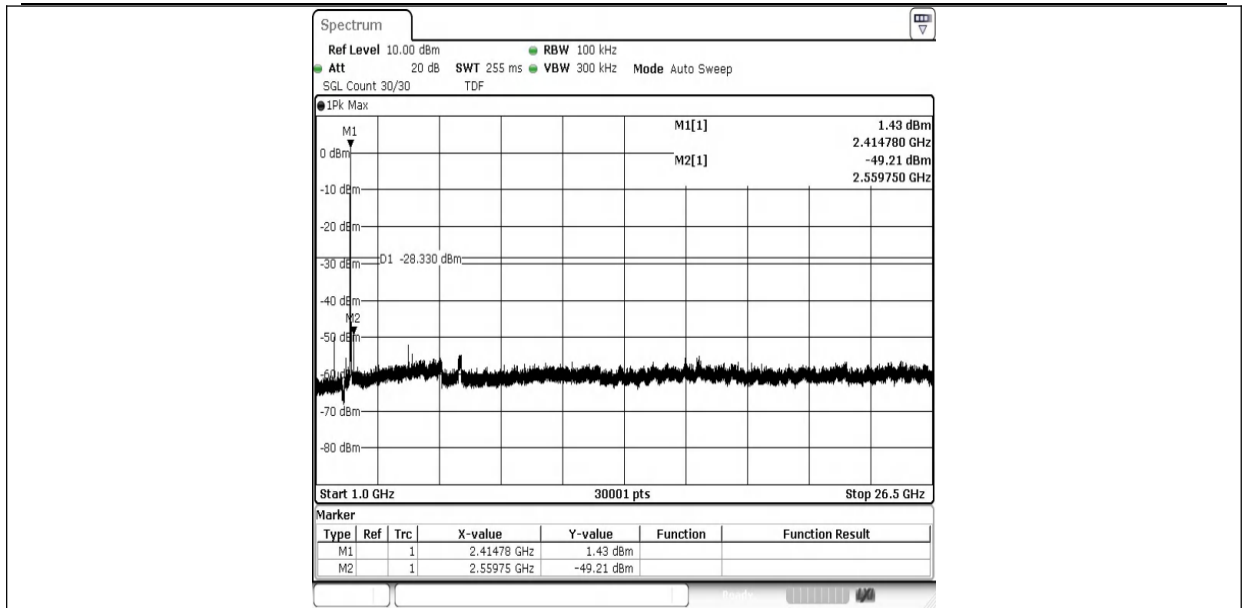
Test Graphs



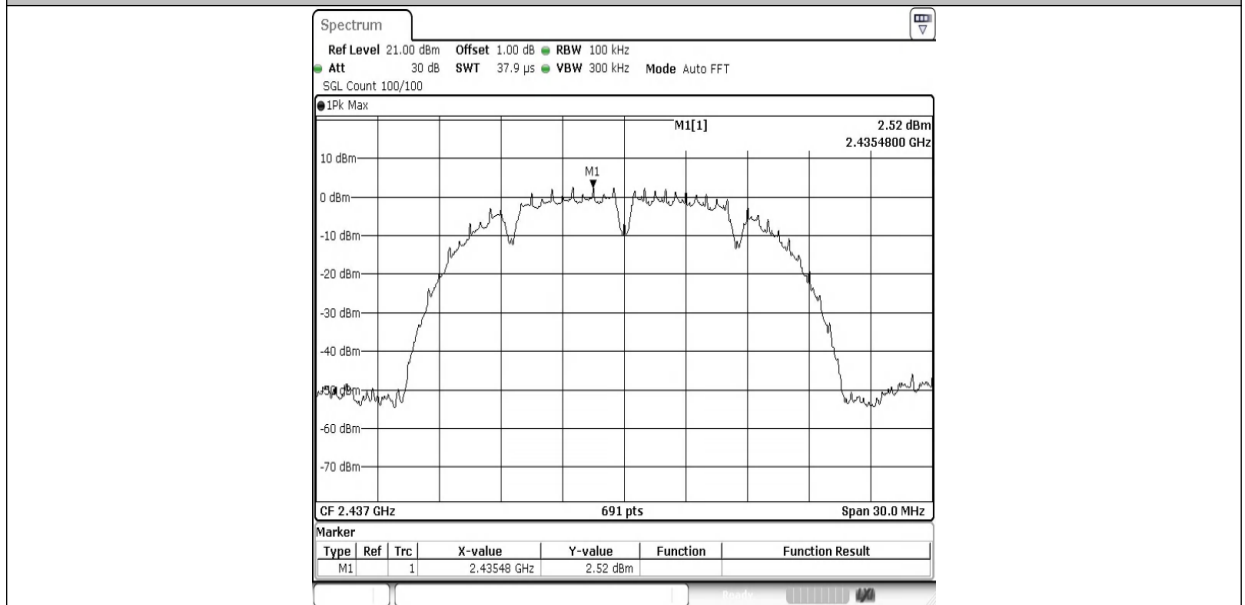
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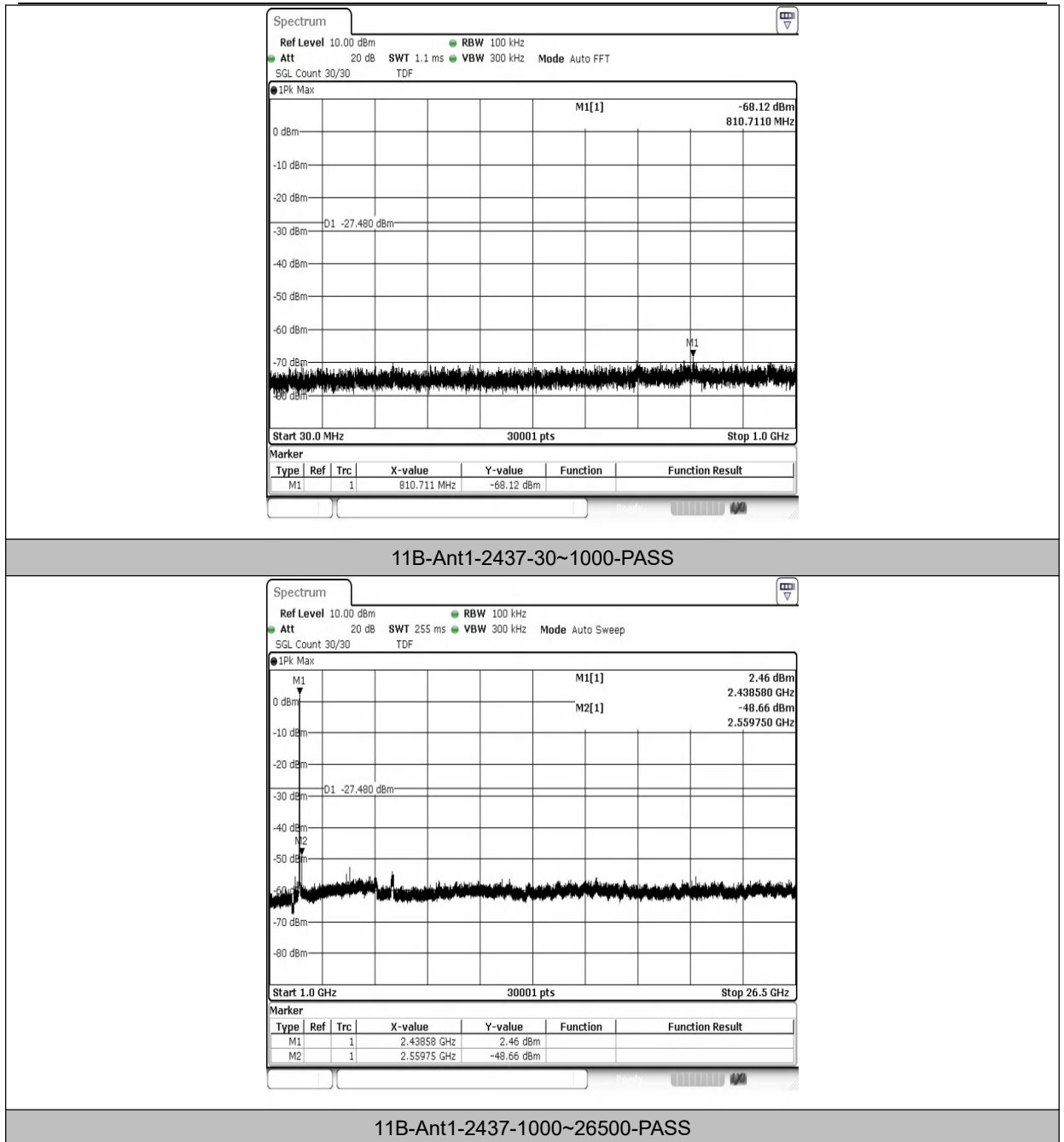
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11B-Ant1-2412-1000~26500-PASS



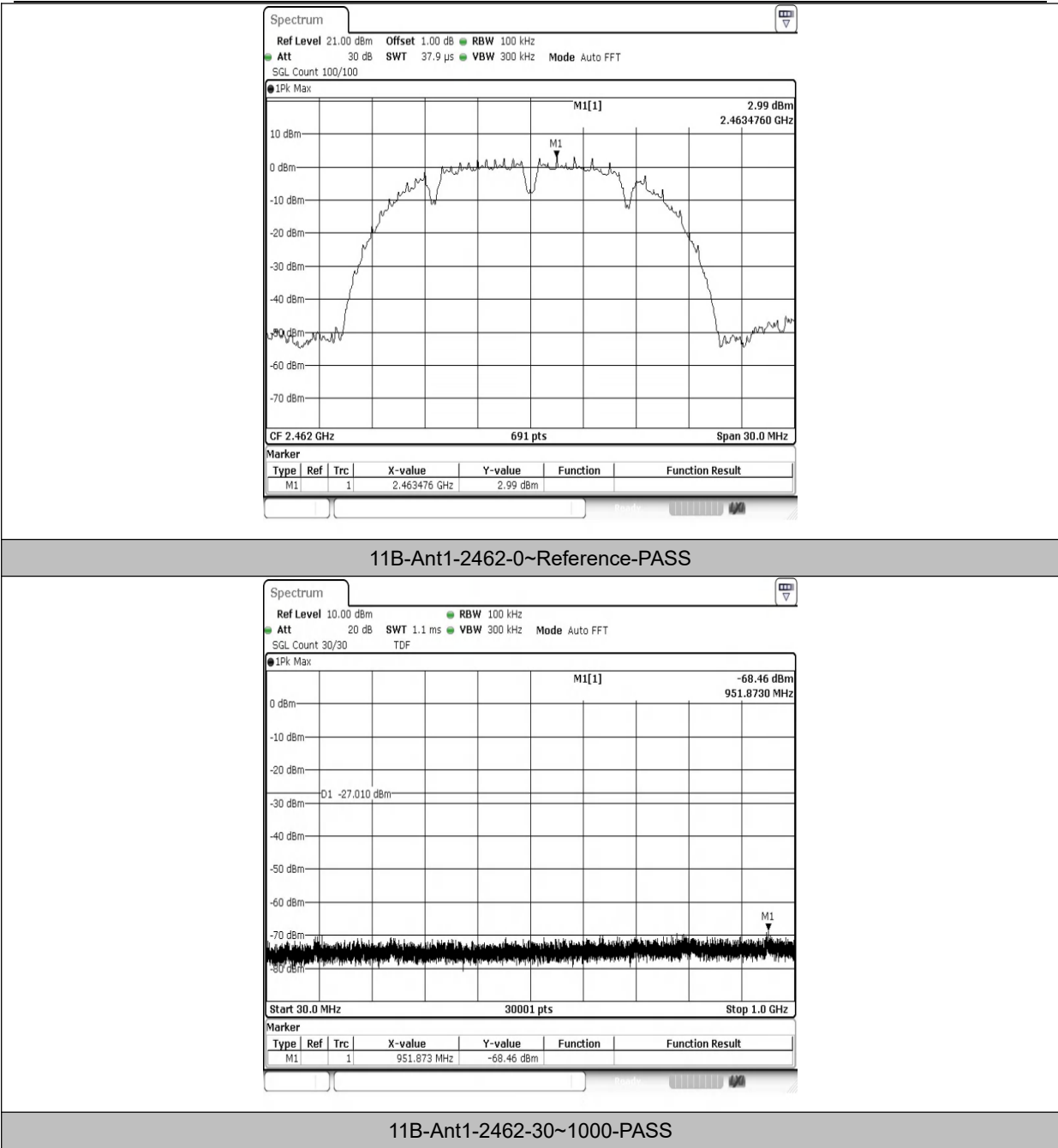
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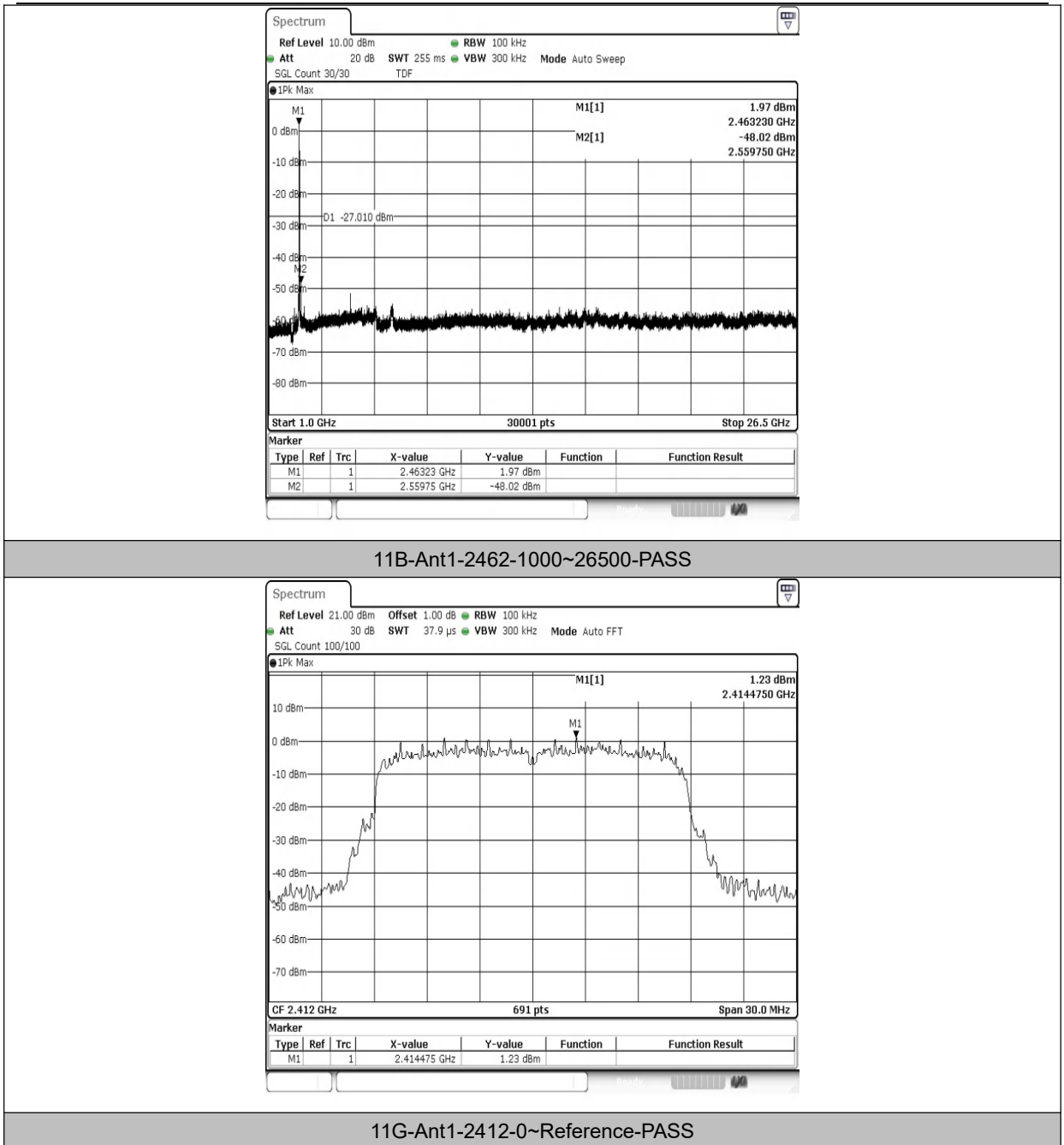


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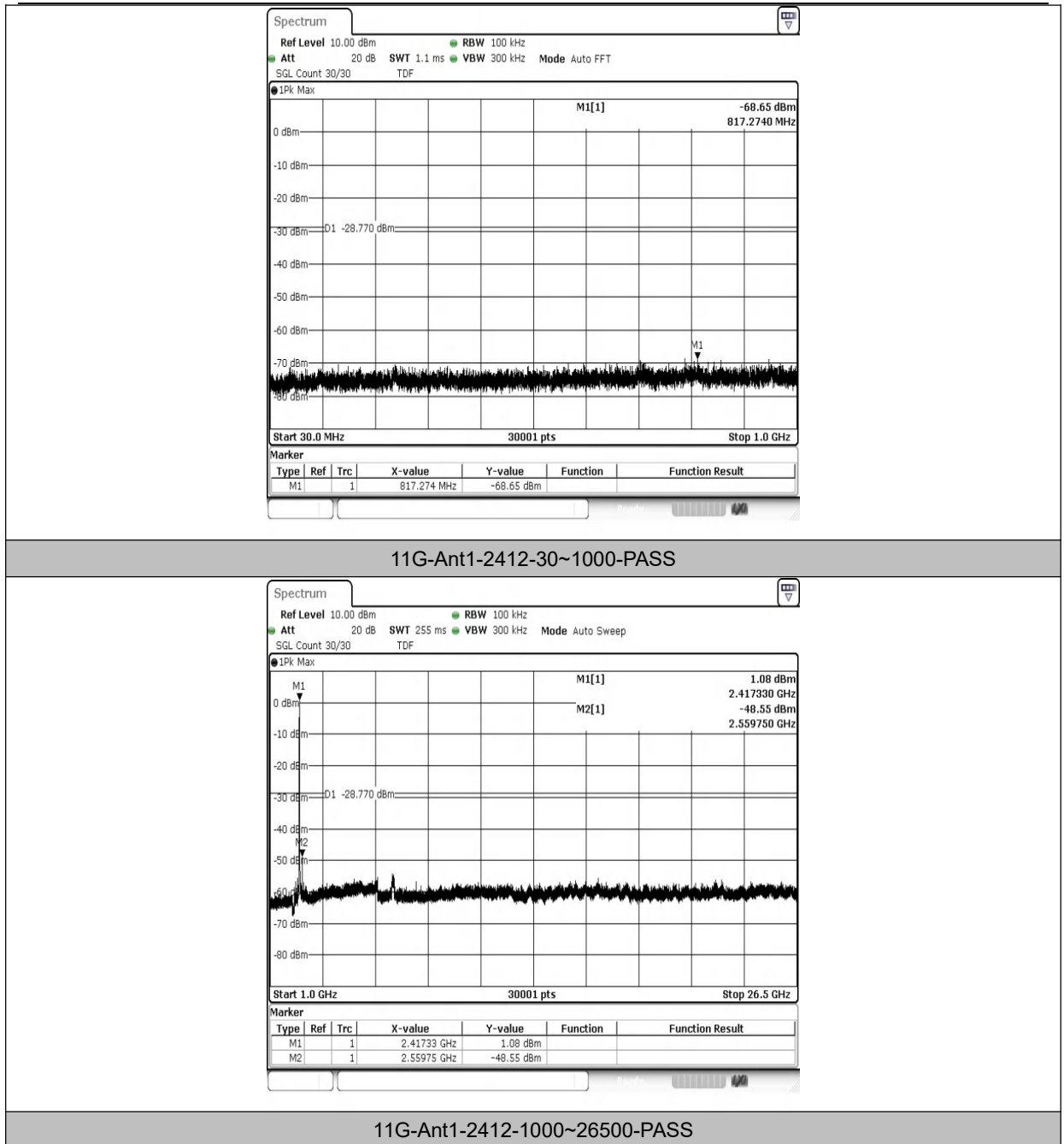




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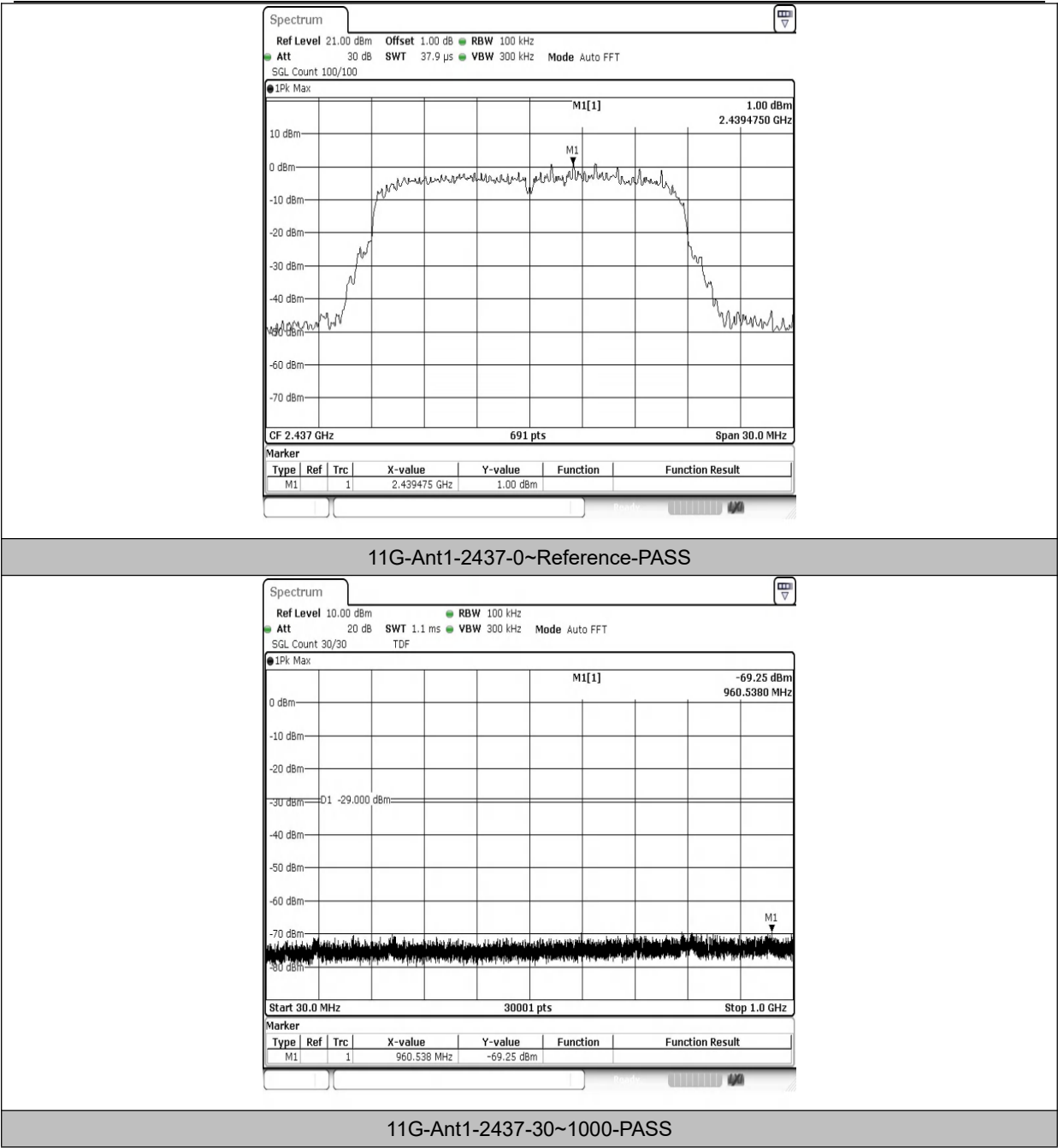
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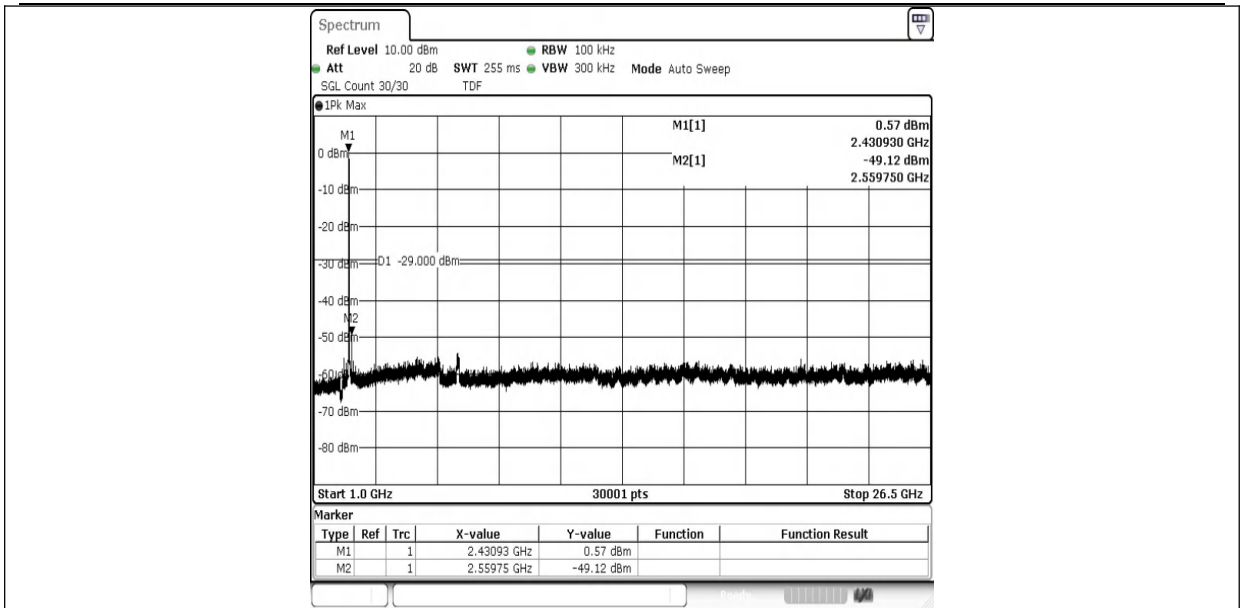


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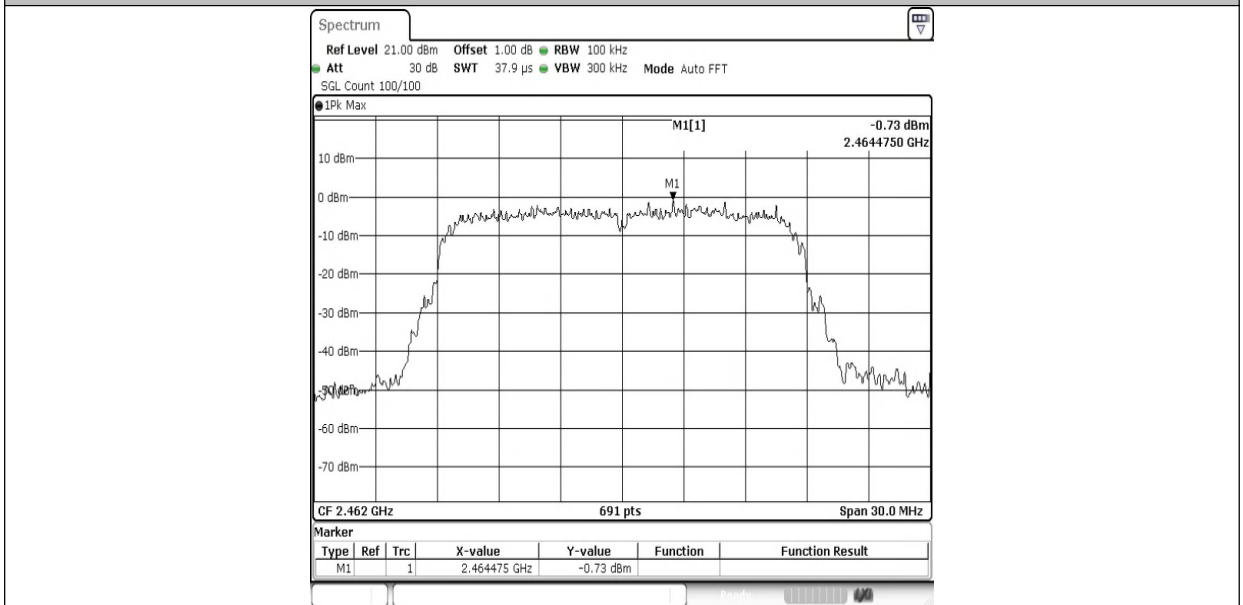
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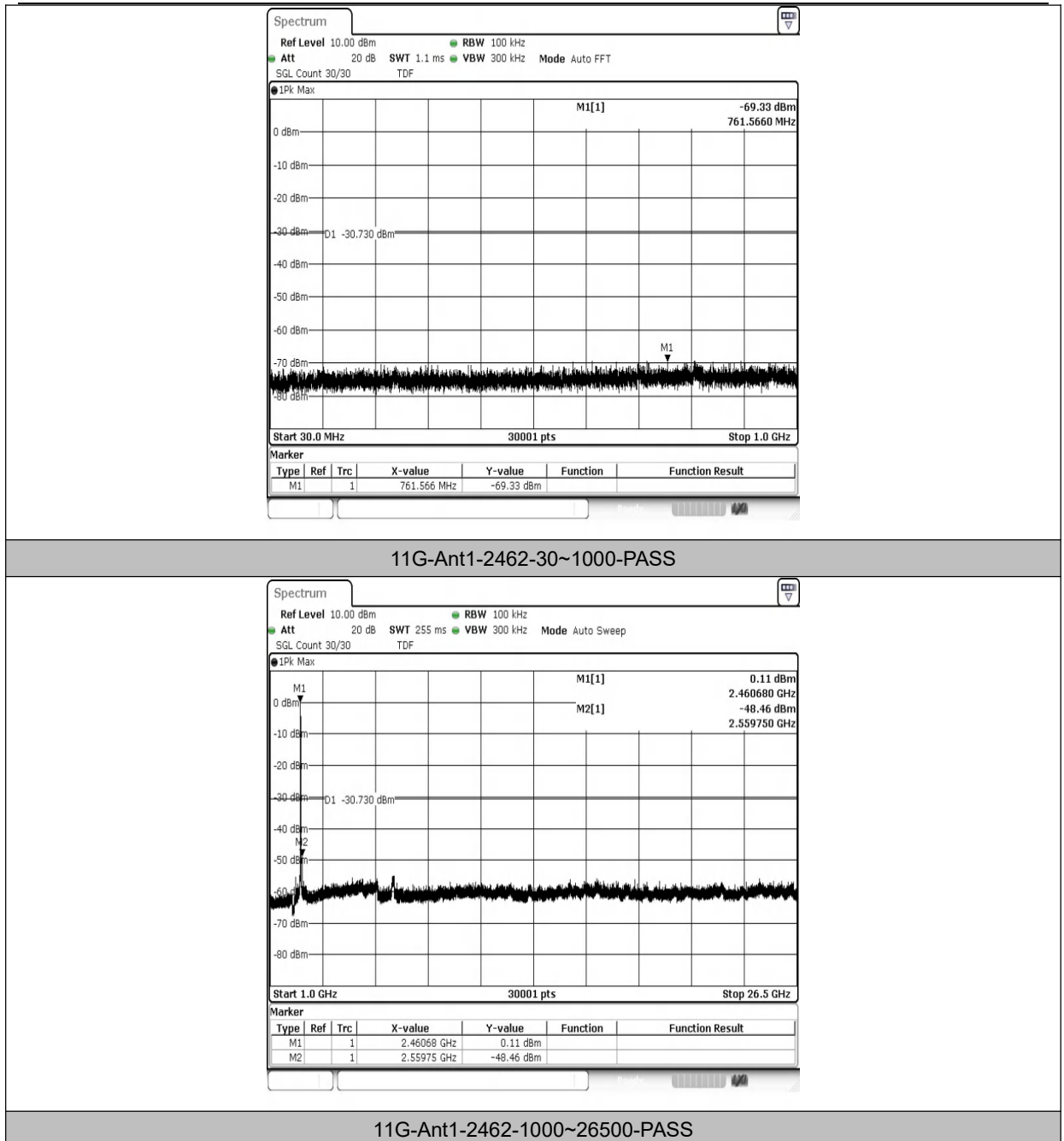




11G-Ant1-2437-1000~26500-PASS



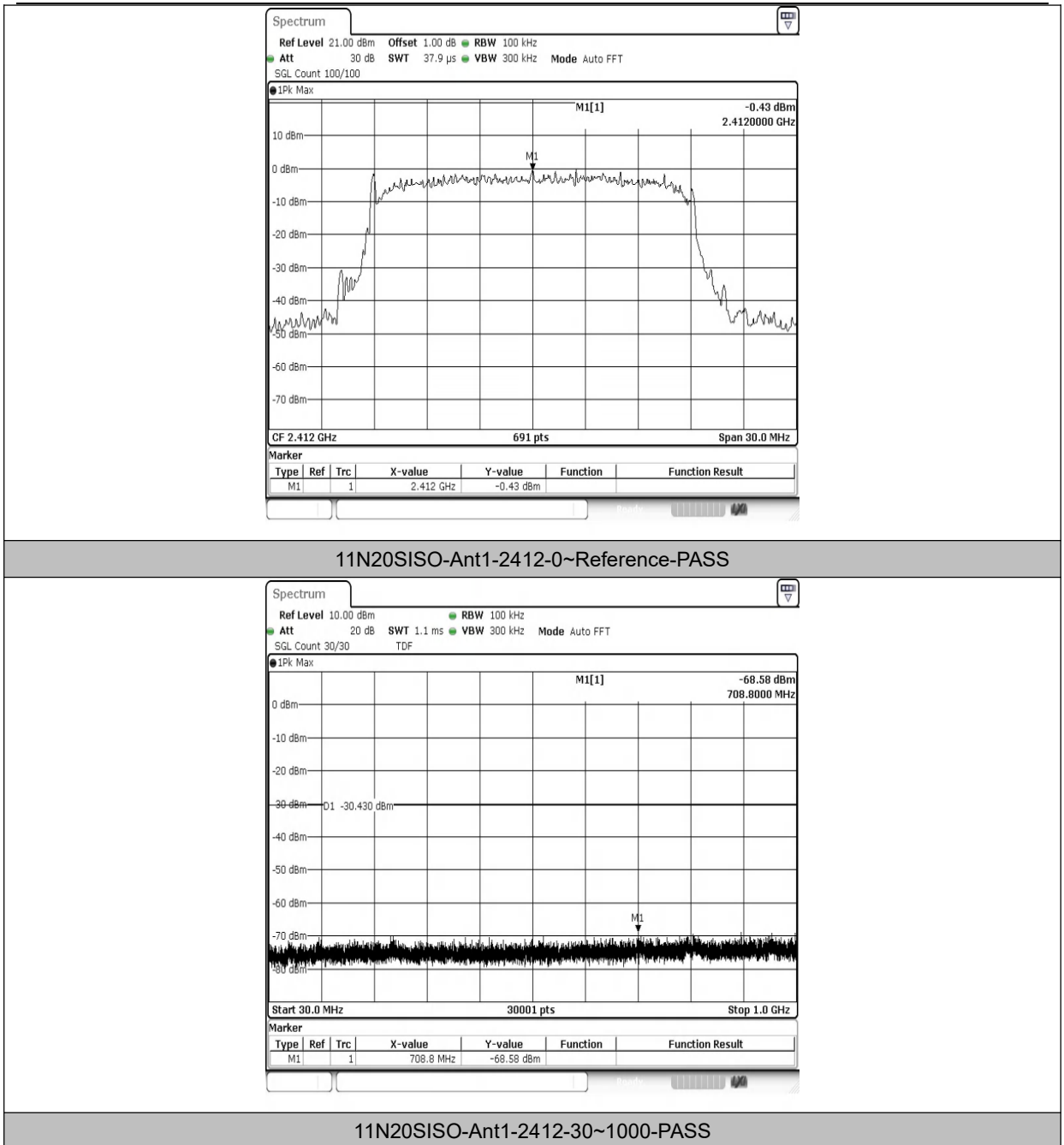
11G-Ant1-2462-0~Reference-PASS



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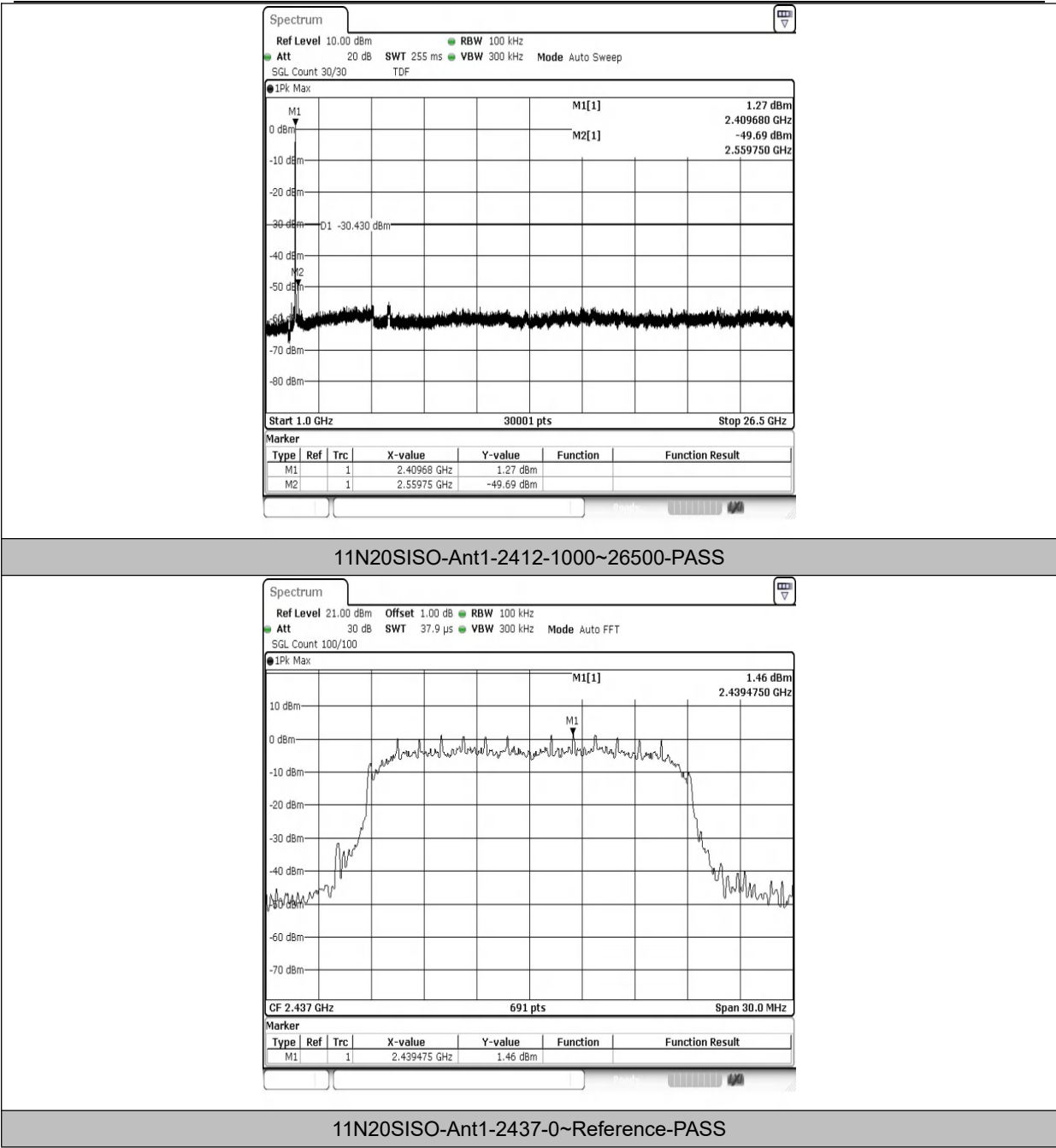
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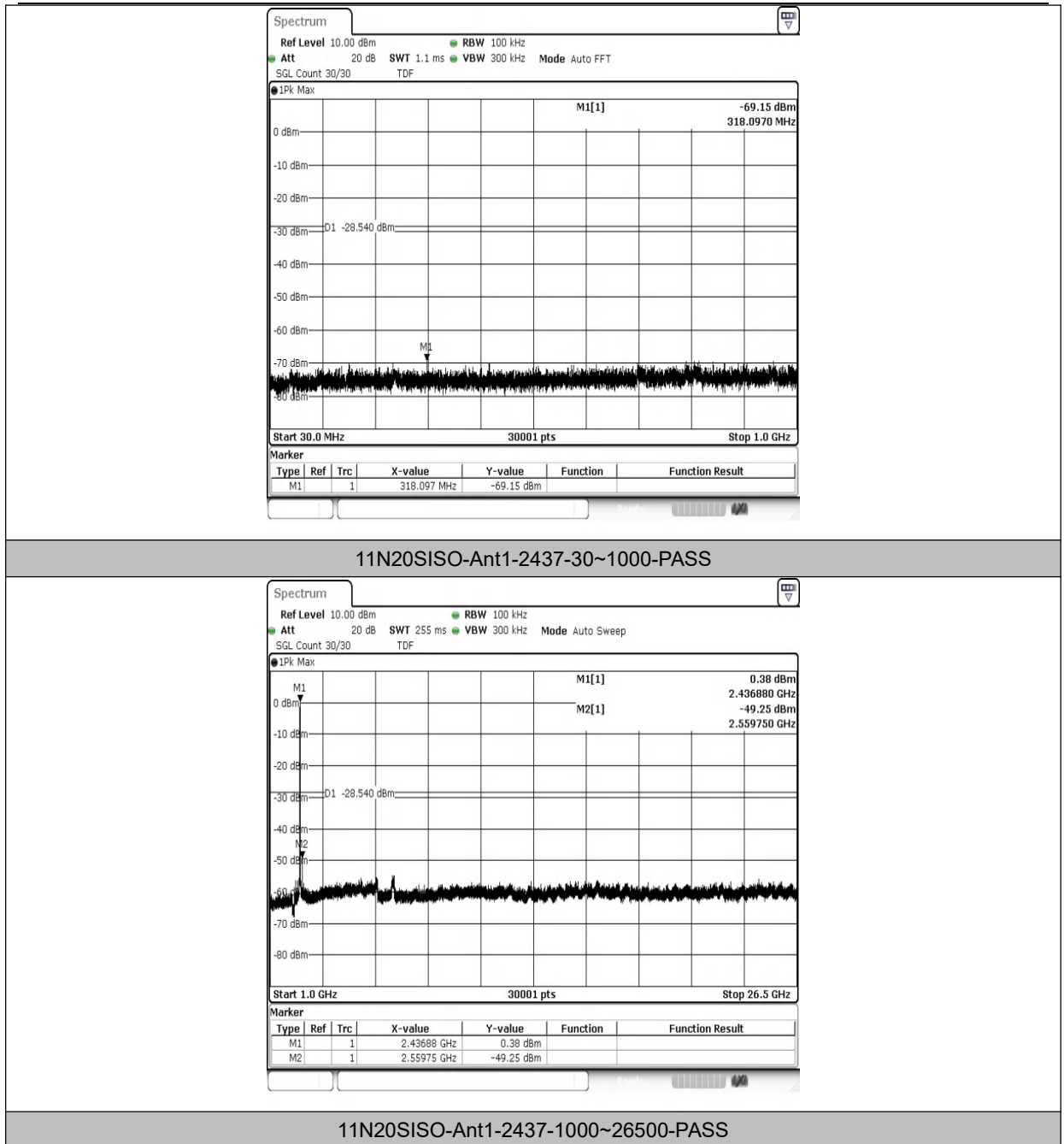


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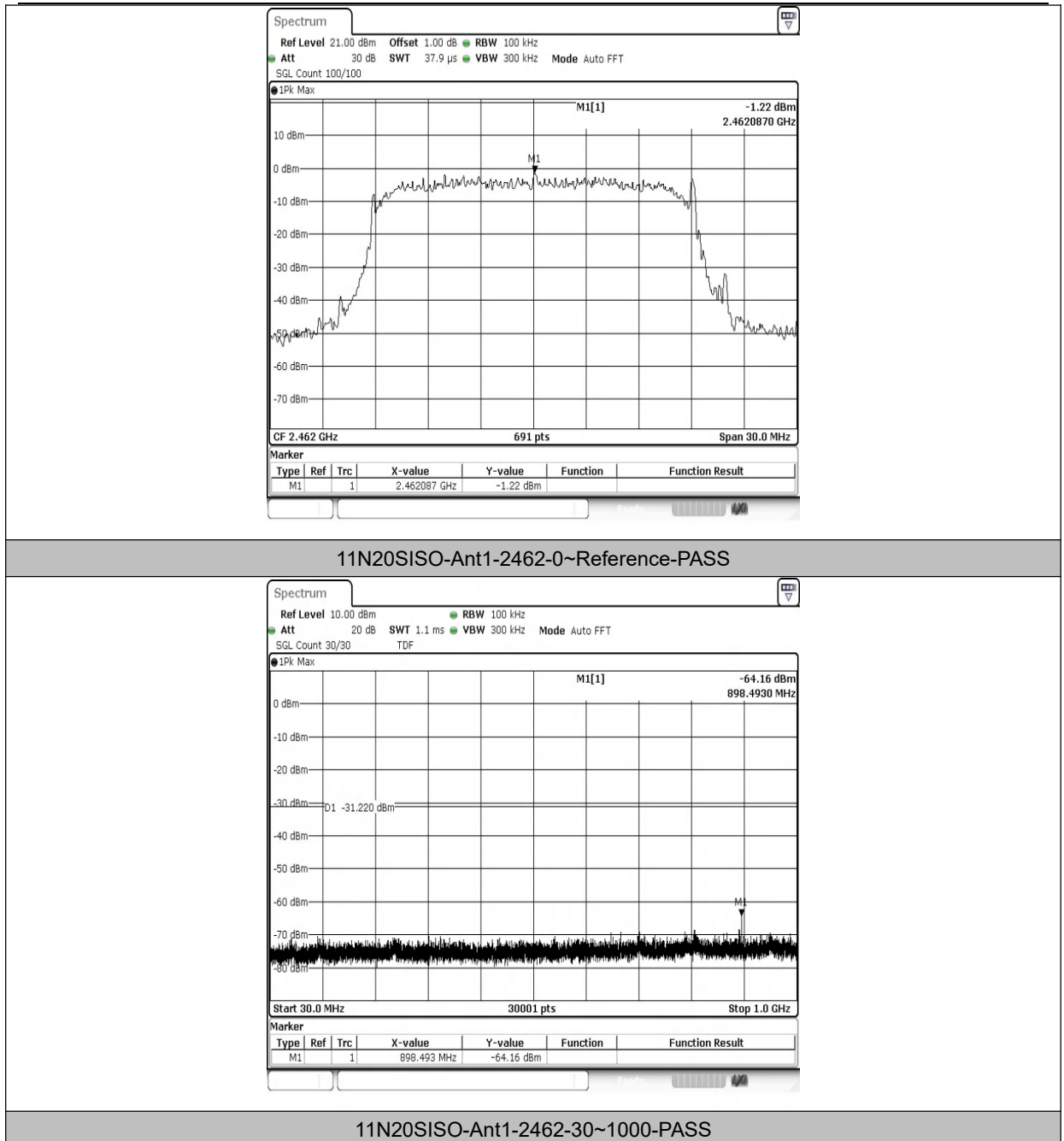




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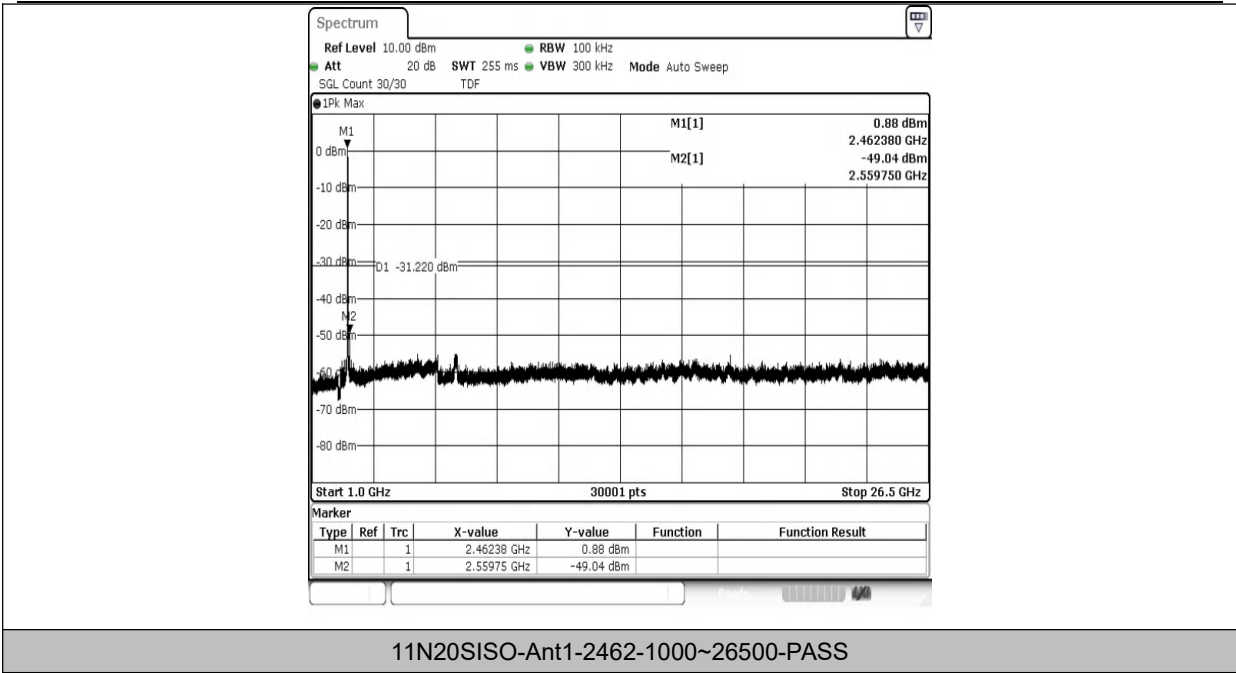
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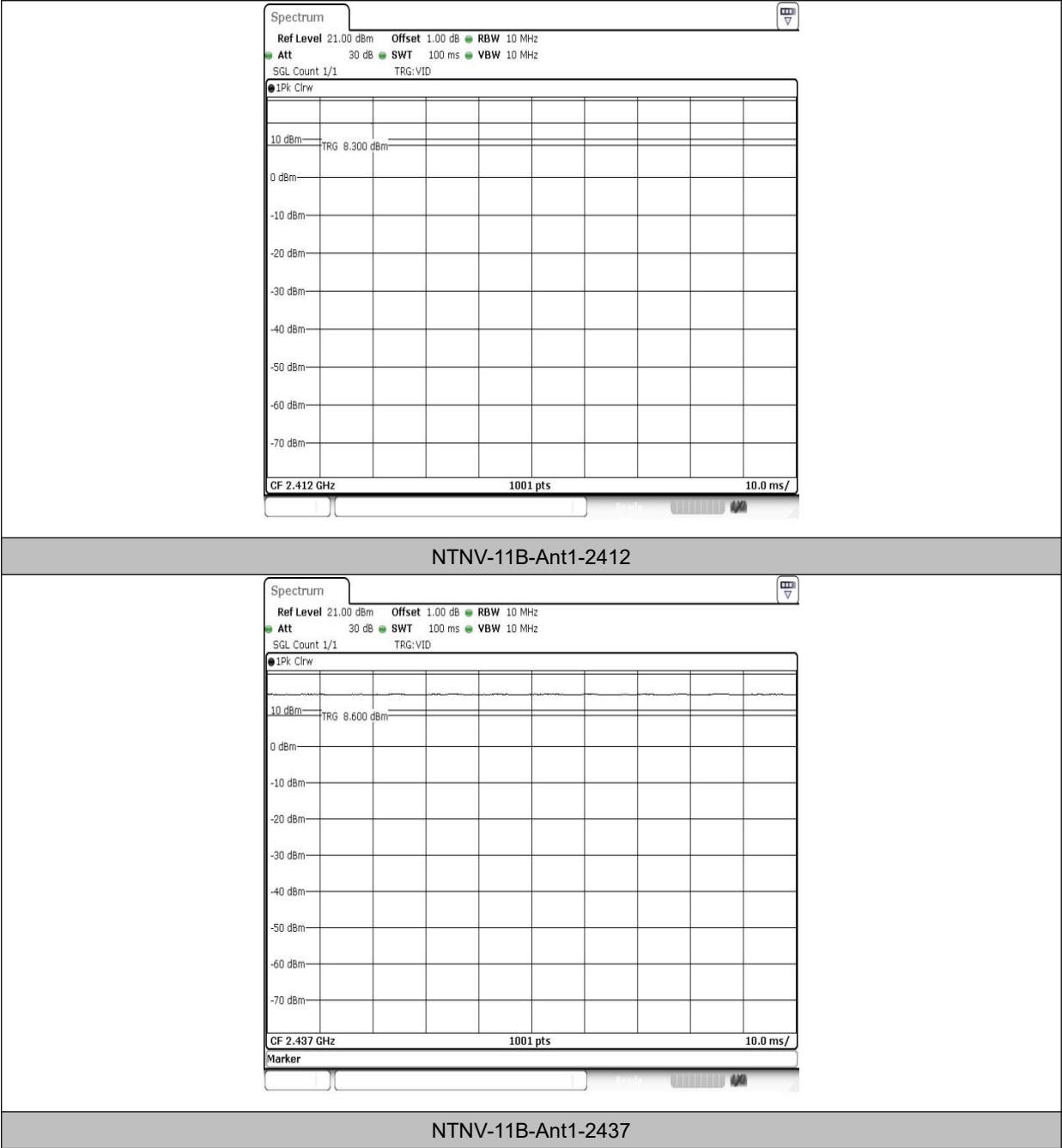
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
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

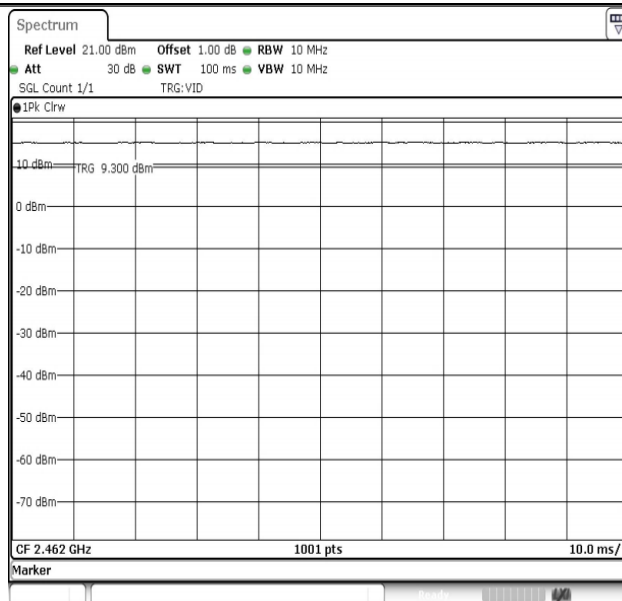
Test Graphs



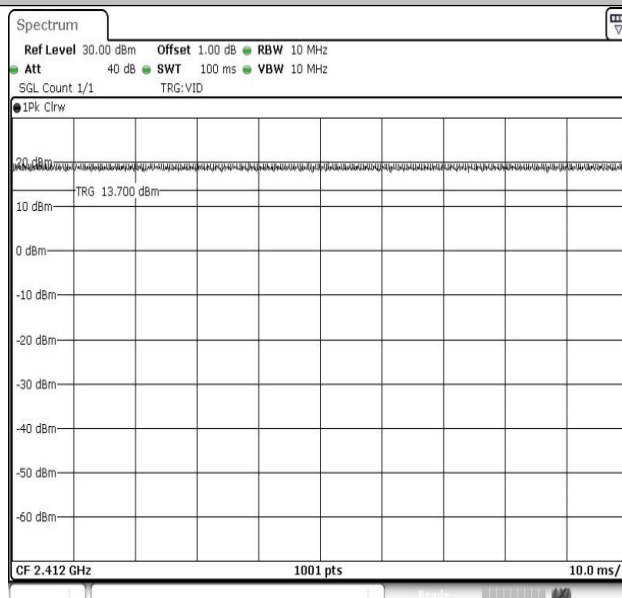
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NTNV-11B-Ant1-2462

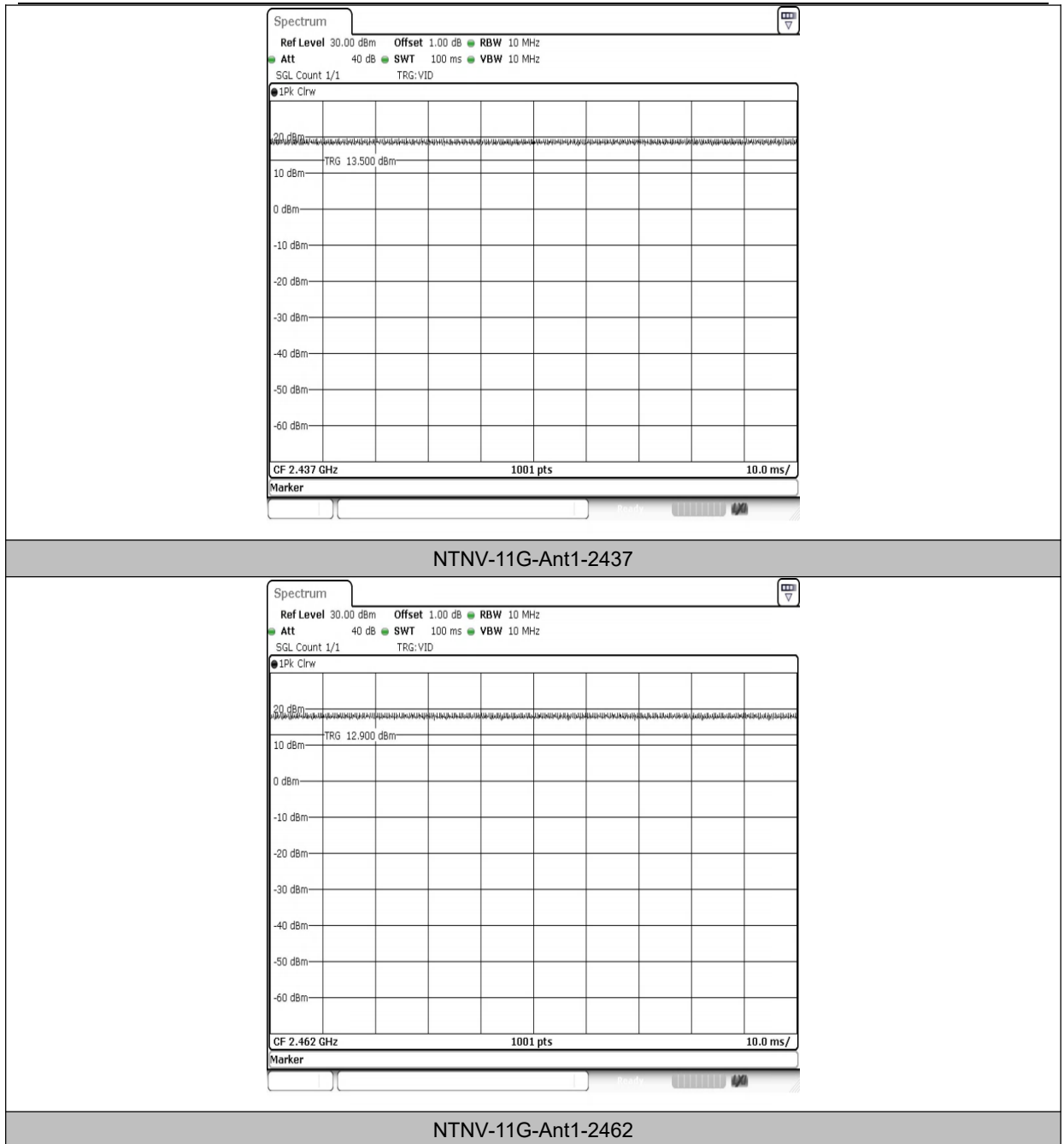


NTNV-11G-Ant1-2412

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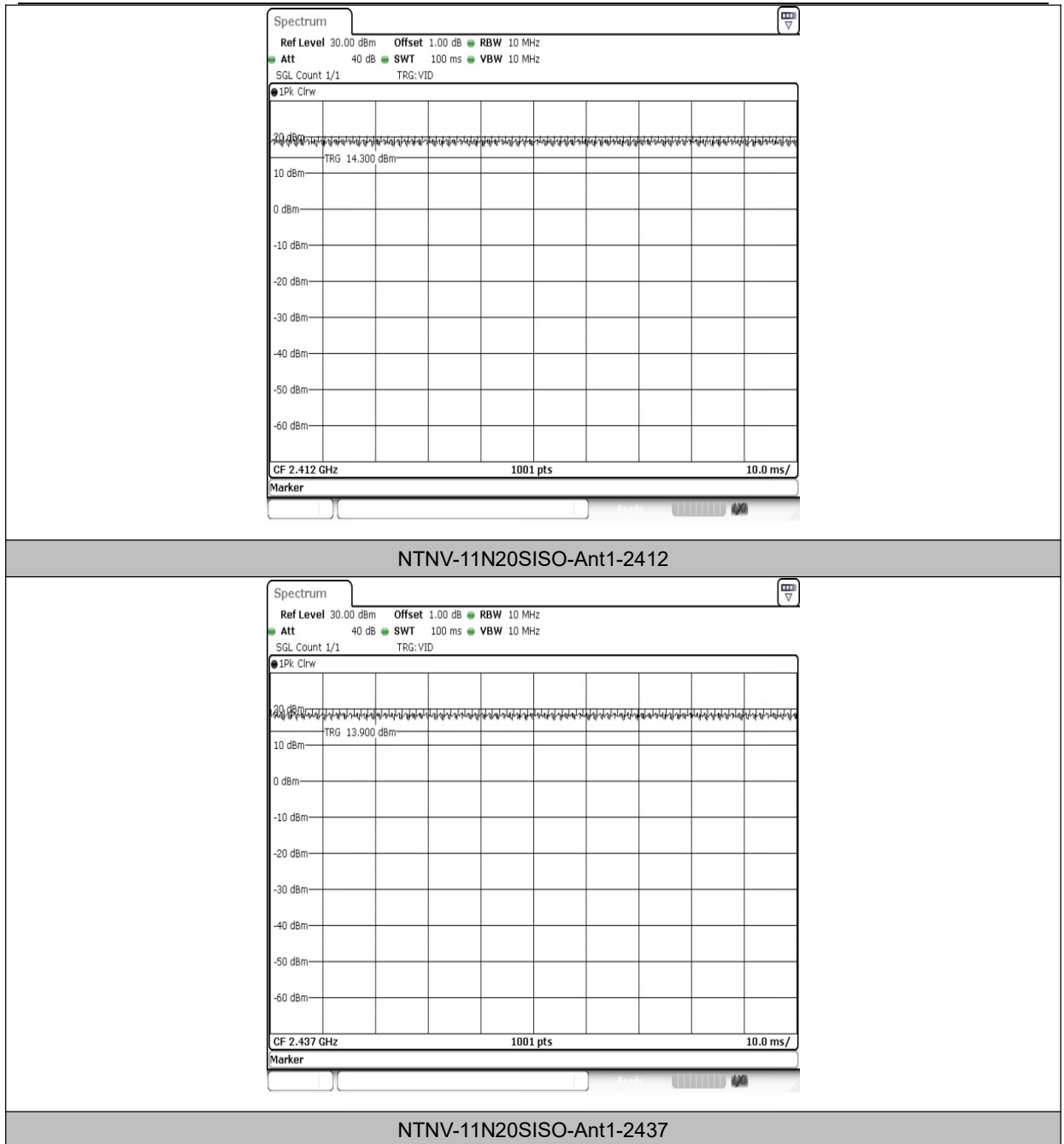
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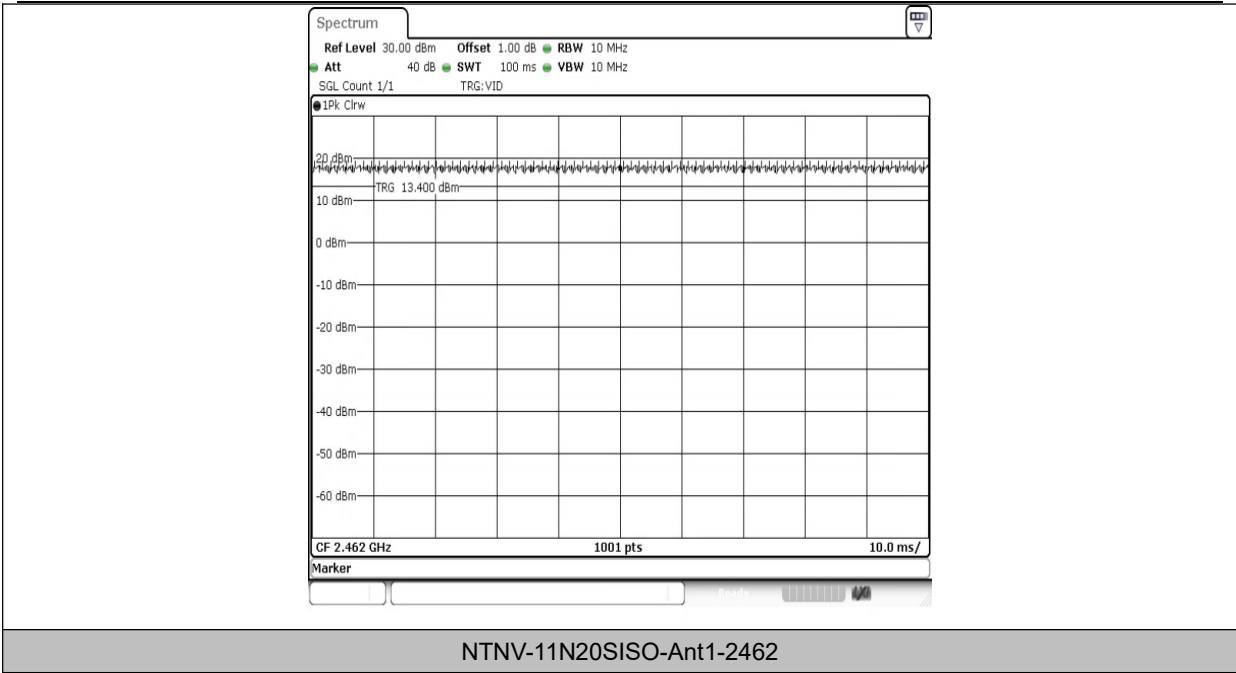
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---End---