

Appendix Test Data

Report No.:	1812C50580212501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-4	Finish Test Date:	2025-11-6
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	51%
Pressure:	101kPa		

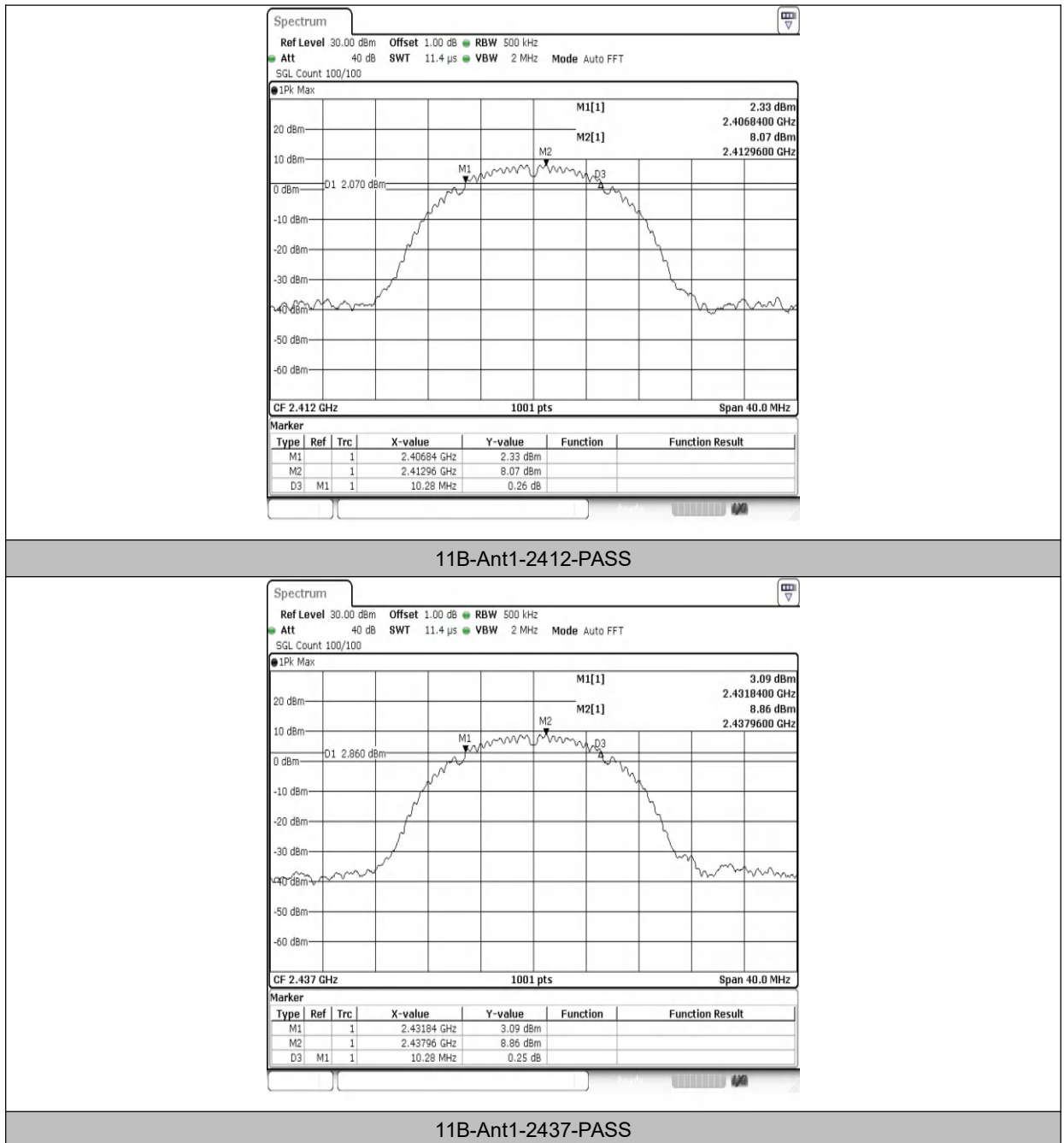


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.28	2406.84	2417.12	0.5	PASS
11B	Ant1	2437	10.28	2431.84	2442.12	0.5	PASS
11B	Ant1	2462	10.32	2456.84	2467.16	0.5	PASS
11G	Ant1	2412	16.52	2403.76	2420.28	0.5	PASS
11G	Ant1	2437	16.52	2428.76	2445.28	0.5	PASS
11G	Ant1	2462	16.44	2453.72	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.48	2403.28	2420.76	0.5	PASS
11N20SISO	Ant1	2437	17.76	2428.08	2445.84	0.5	PASS
11N20SISO	Ant1	2462	17.36	2453.36	2470.72	0.5	PASS

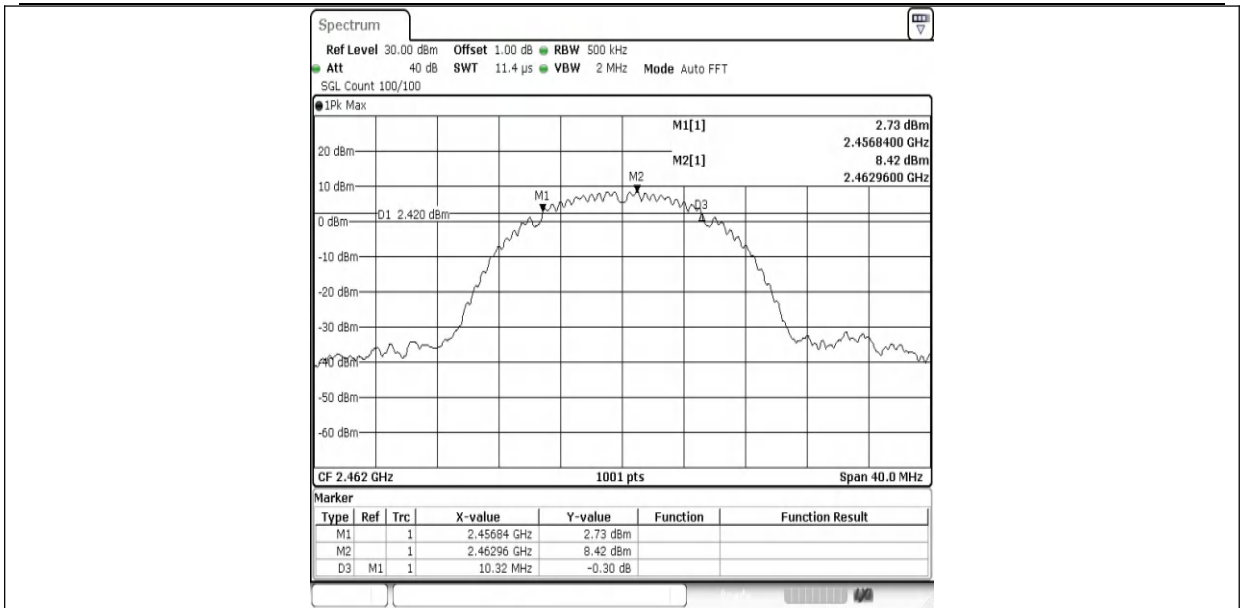
Test Graphs



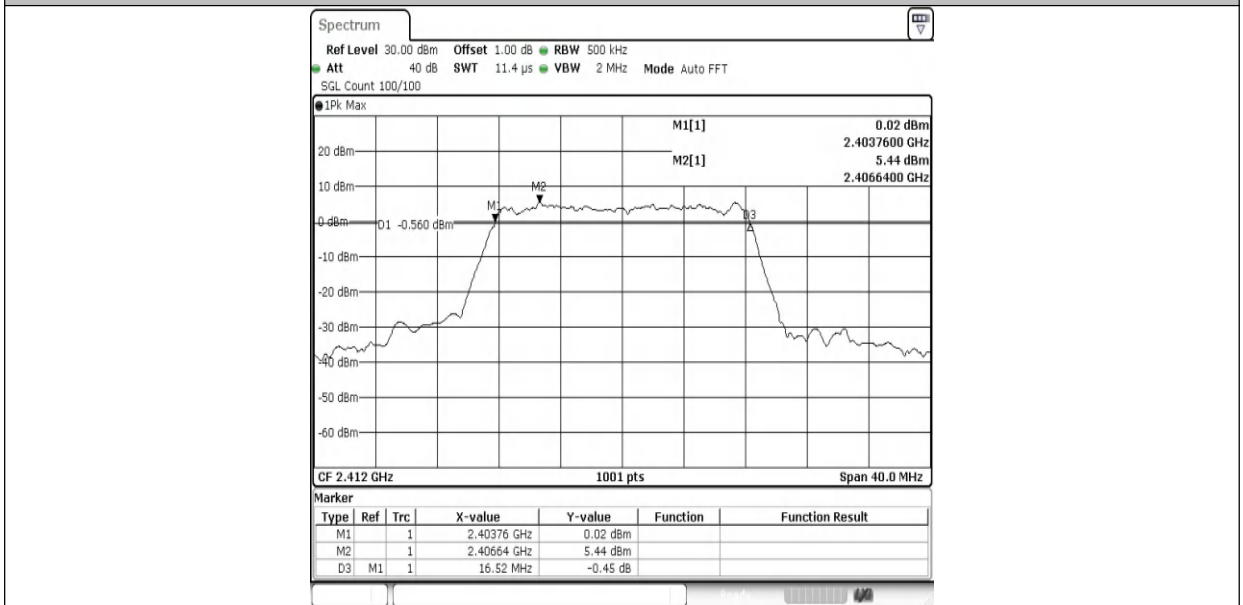
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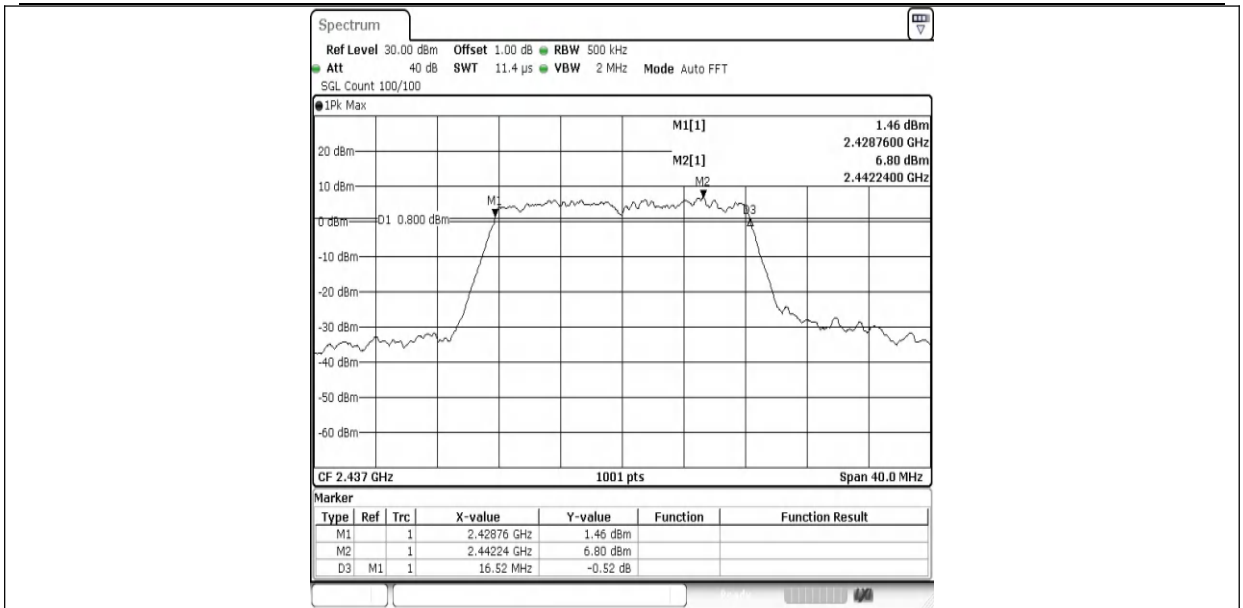
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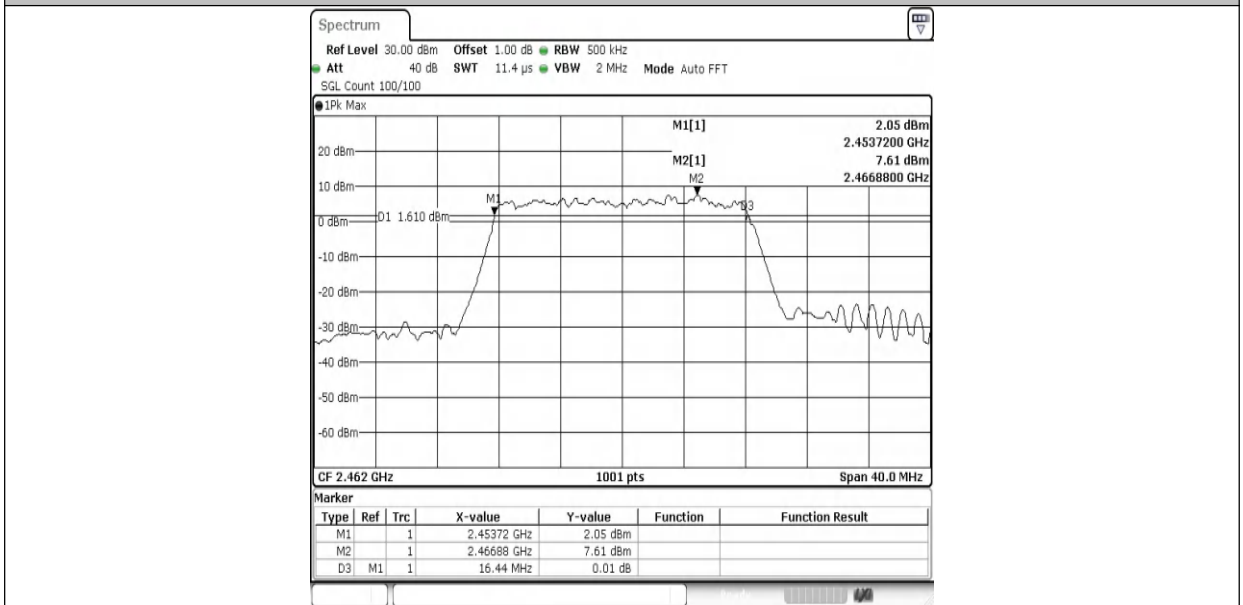
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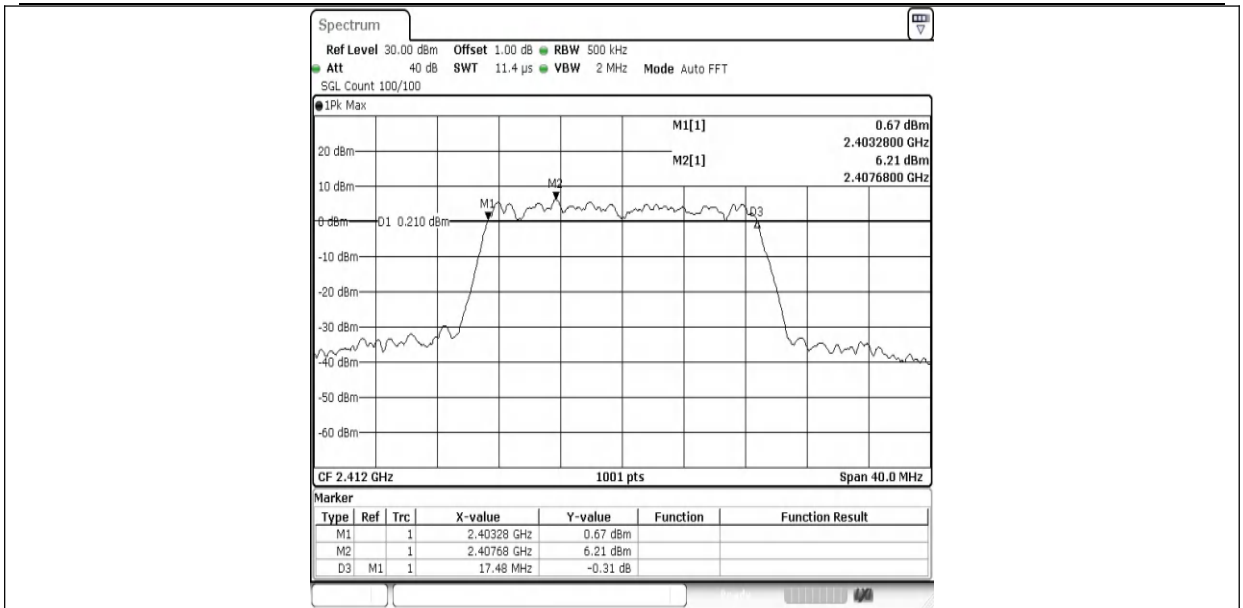
11G-Ant1-2412-PASS



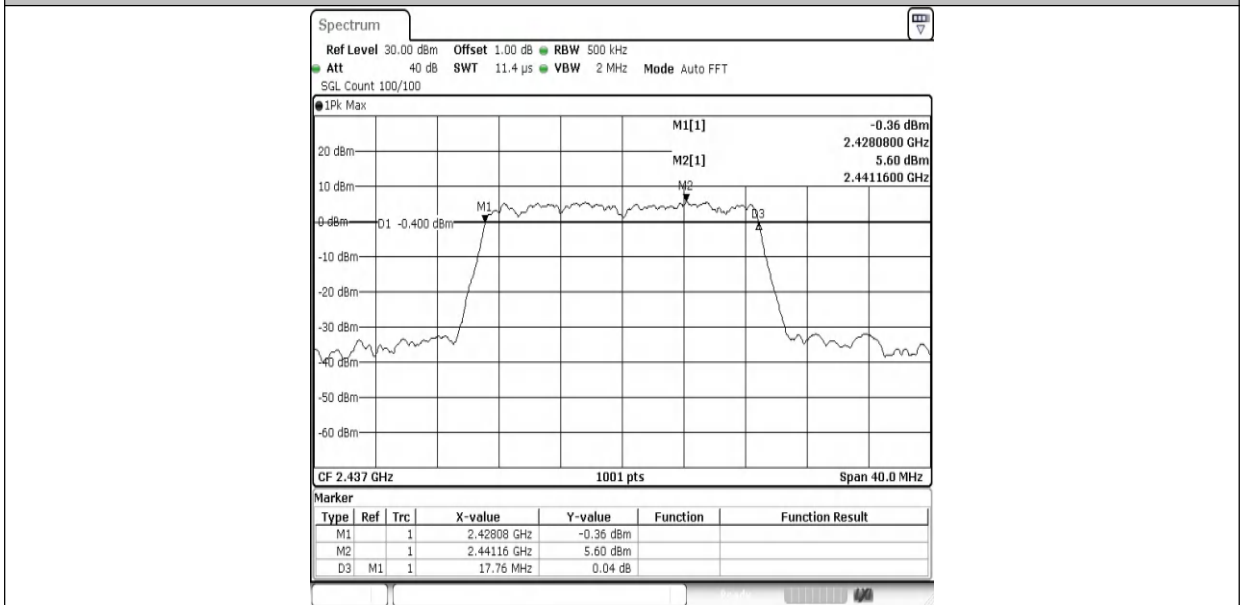
11G-Ant1-2437-PASS



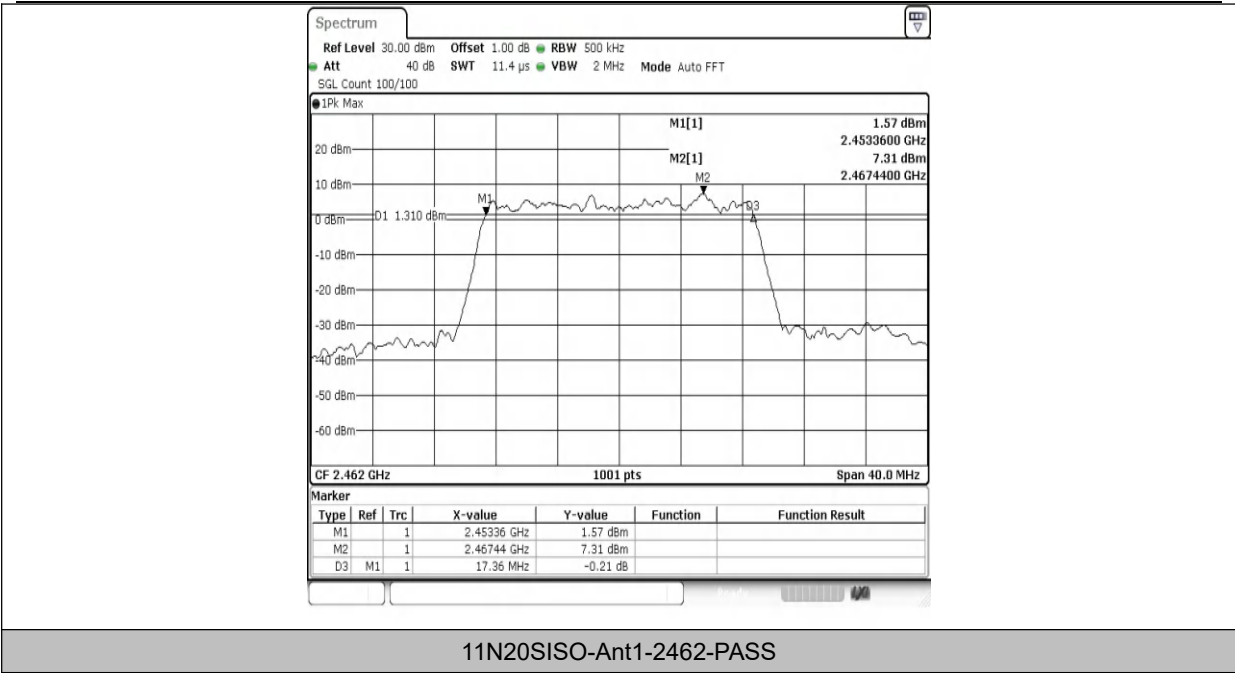
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



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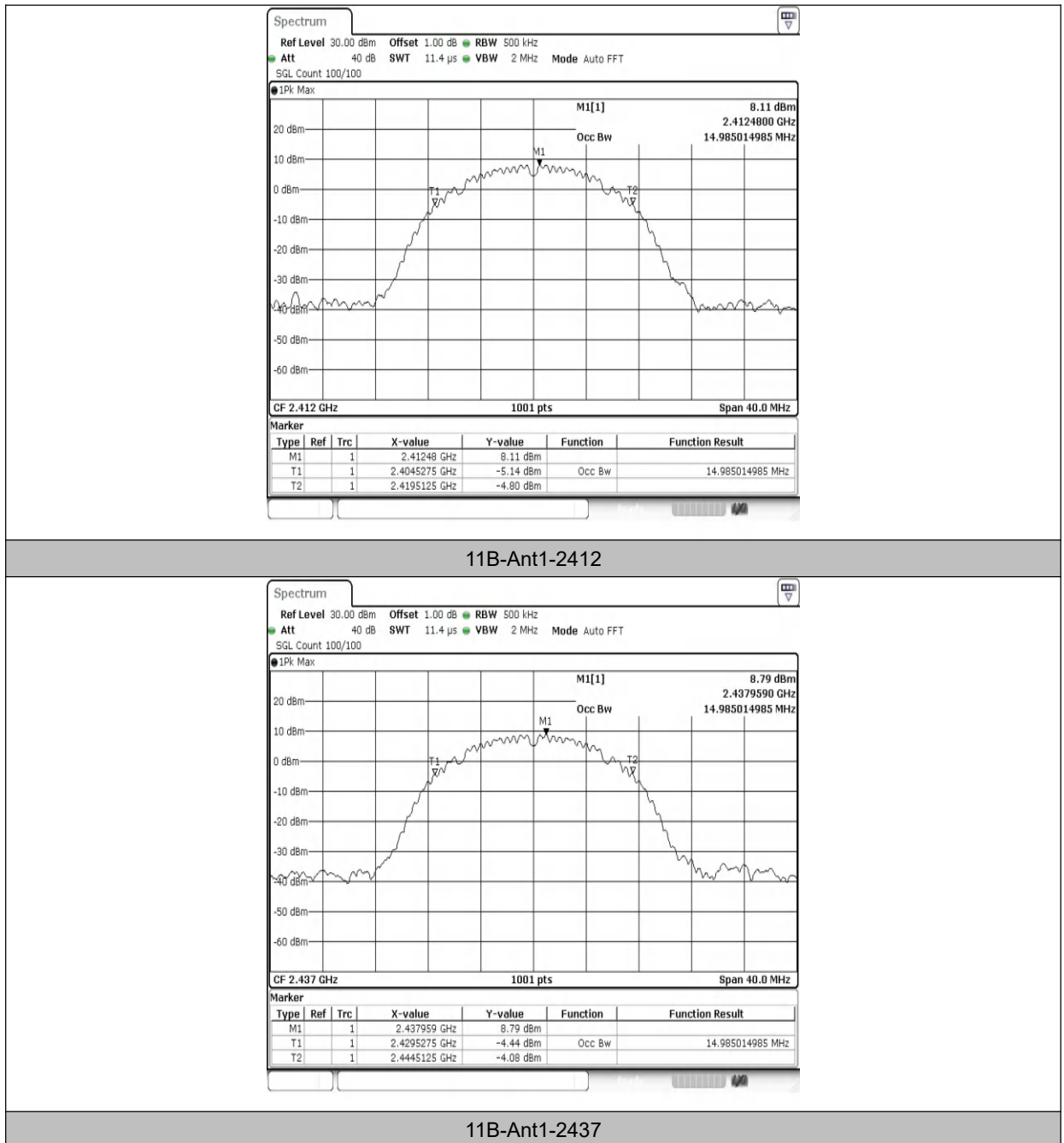
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.985	2404.5275	2419.5125	---	---
11B	Ant1	2437	14.985	2429.5275	2444.5125	---	---
11B	Ant1	2462	14.985	2454.5275	2469.5125	---	---
11G	Ant1	2412	16.903	2403.4086	2420.3117	---	---
11G	Ant1	2437	17.143	2428.3287	2445.4715	---	---
11G	Ant1	2462	16.863	2453.4885	2470.3516	---	---
11N20SISO	Ant1	2412	17.742	2403.0889	2420.8312	---	---
11N20SISO	Ant1	2437	17.782	2428.1688	2445.9510	---	---
11N20SISO	Ant1	2462	17.622	2453.1688	2470.7912	---	---

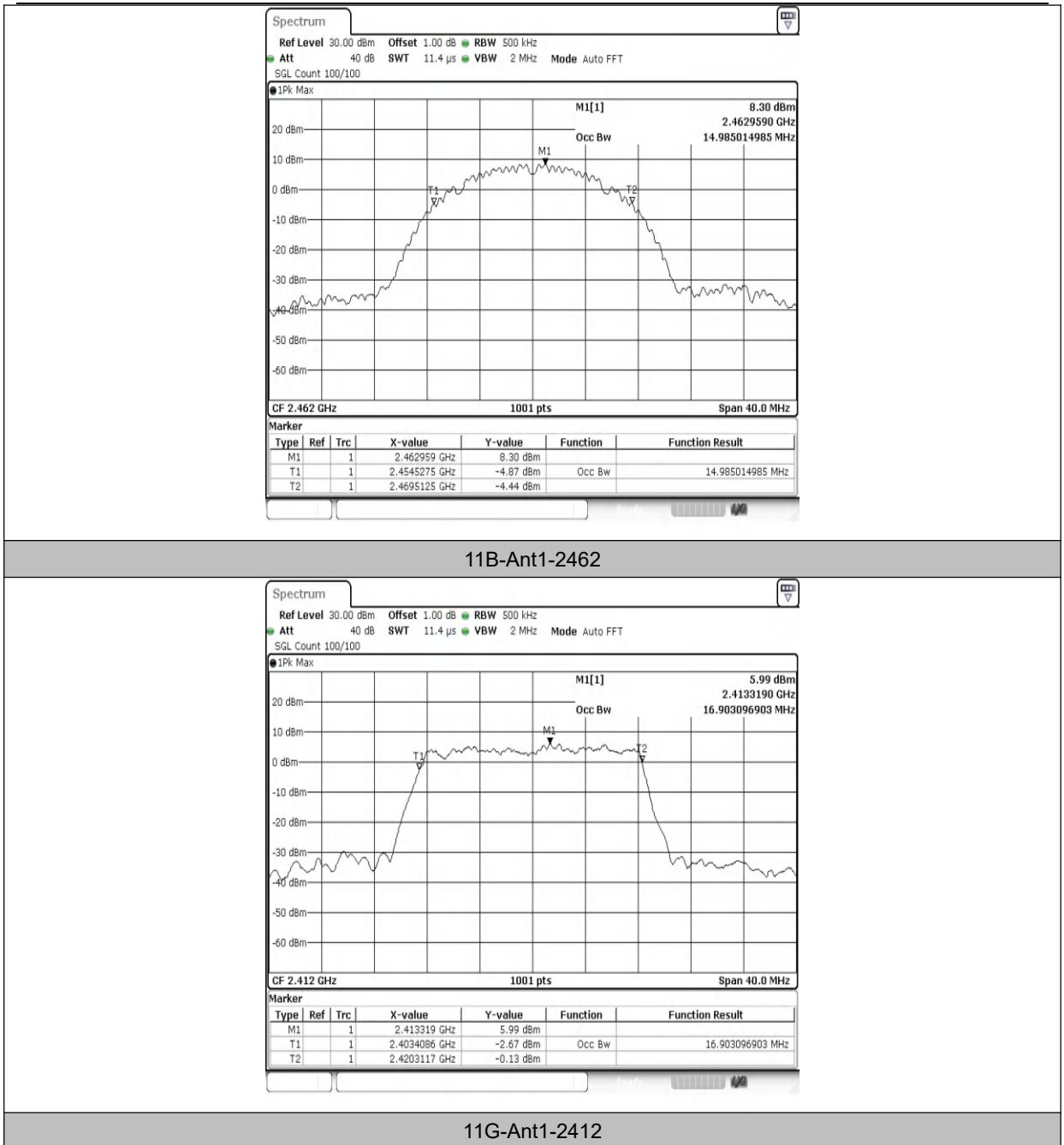
Test Graphs

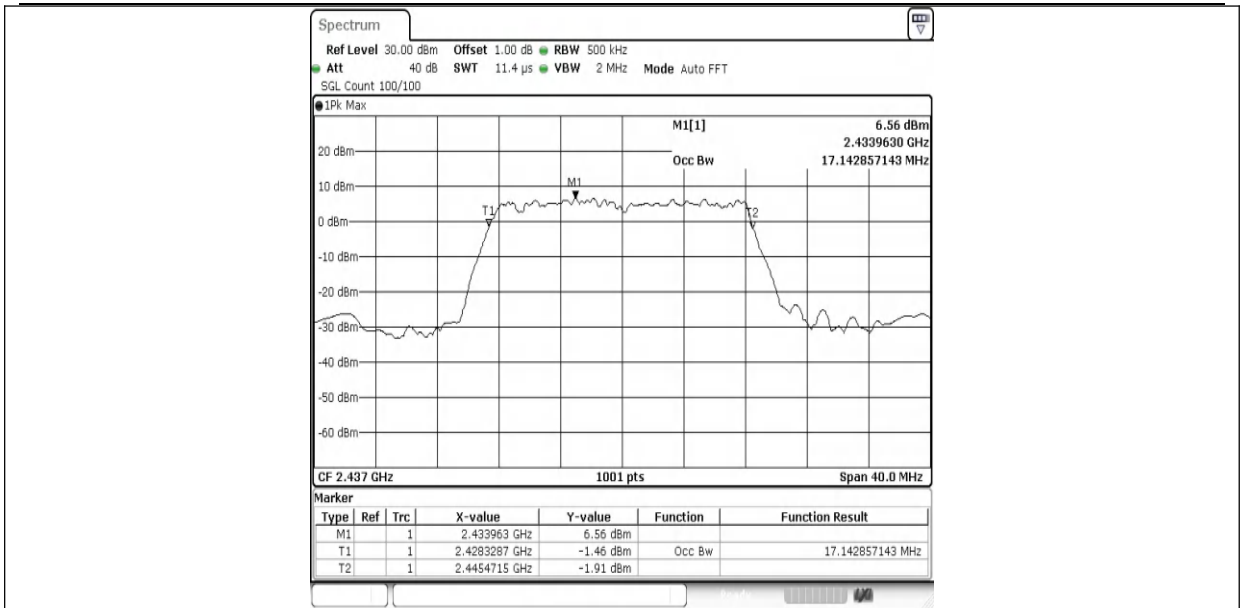


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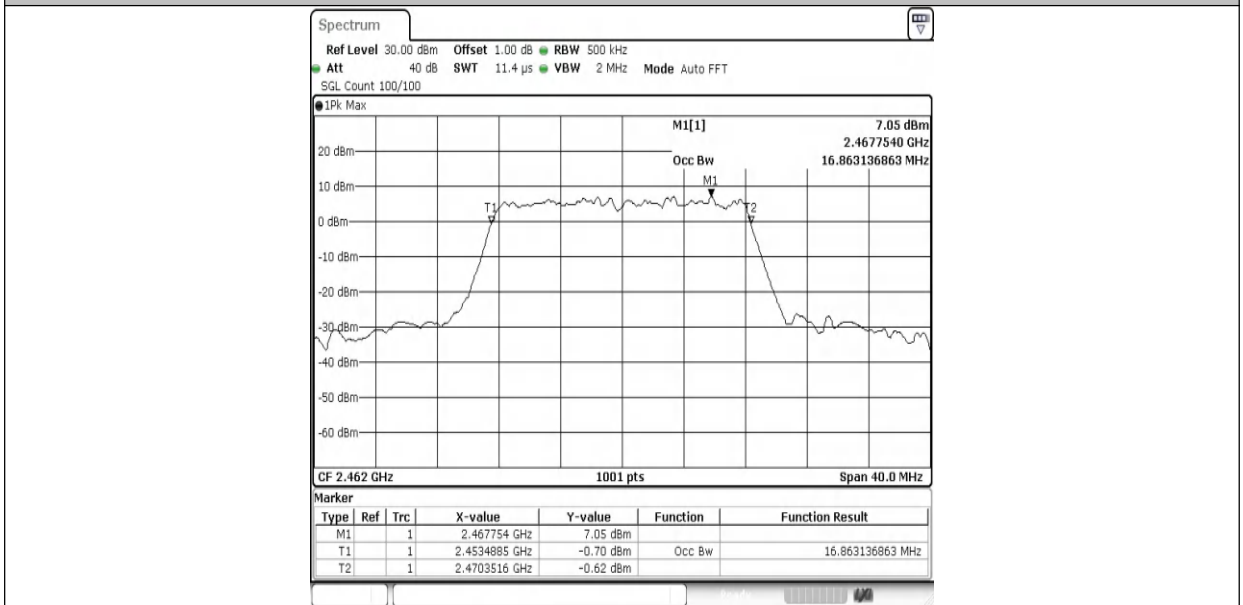
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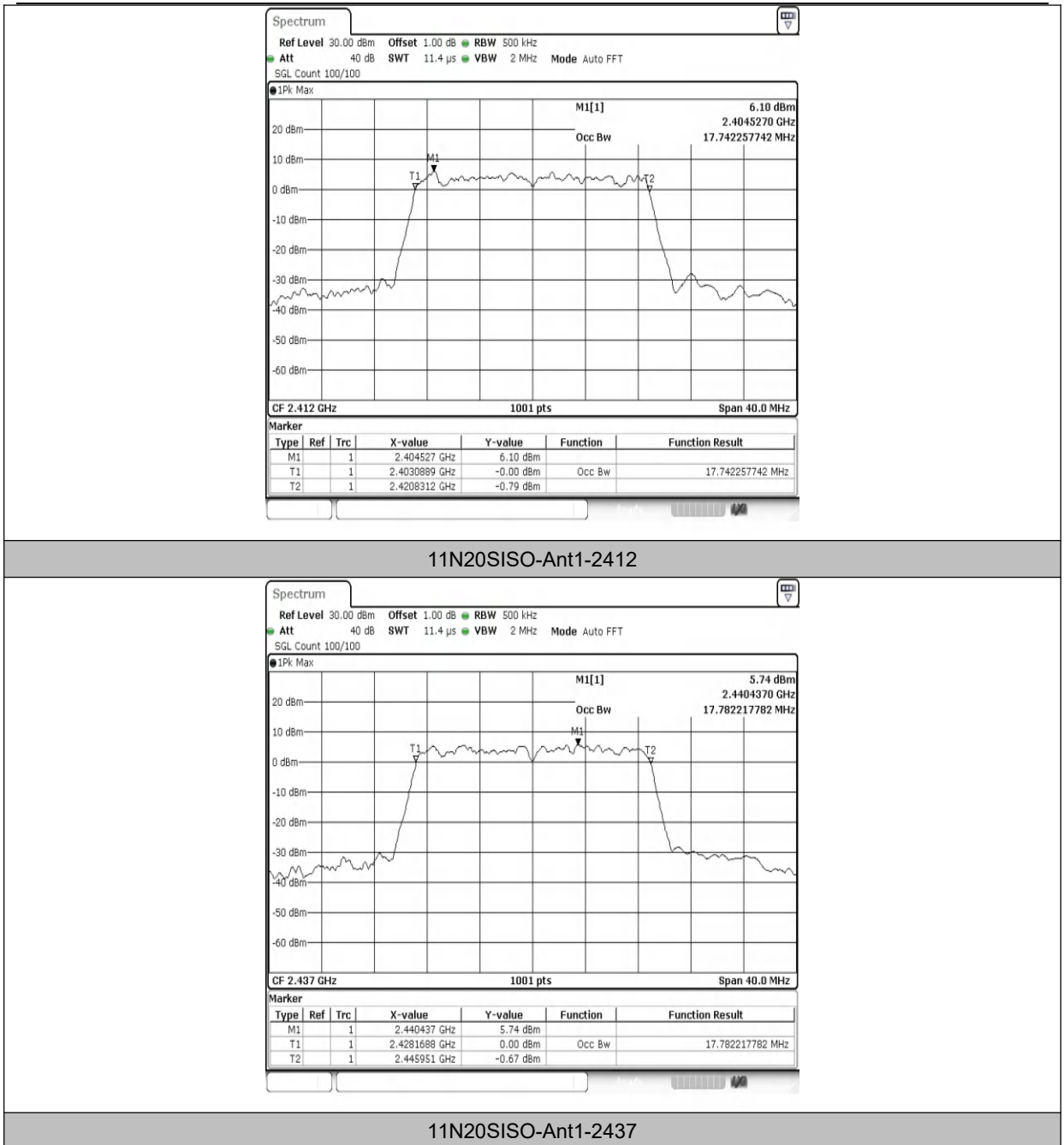




11G-Ant1-2437



11G-Ant1-2462





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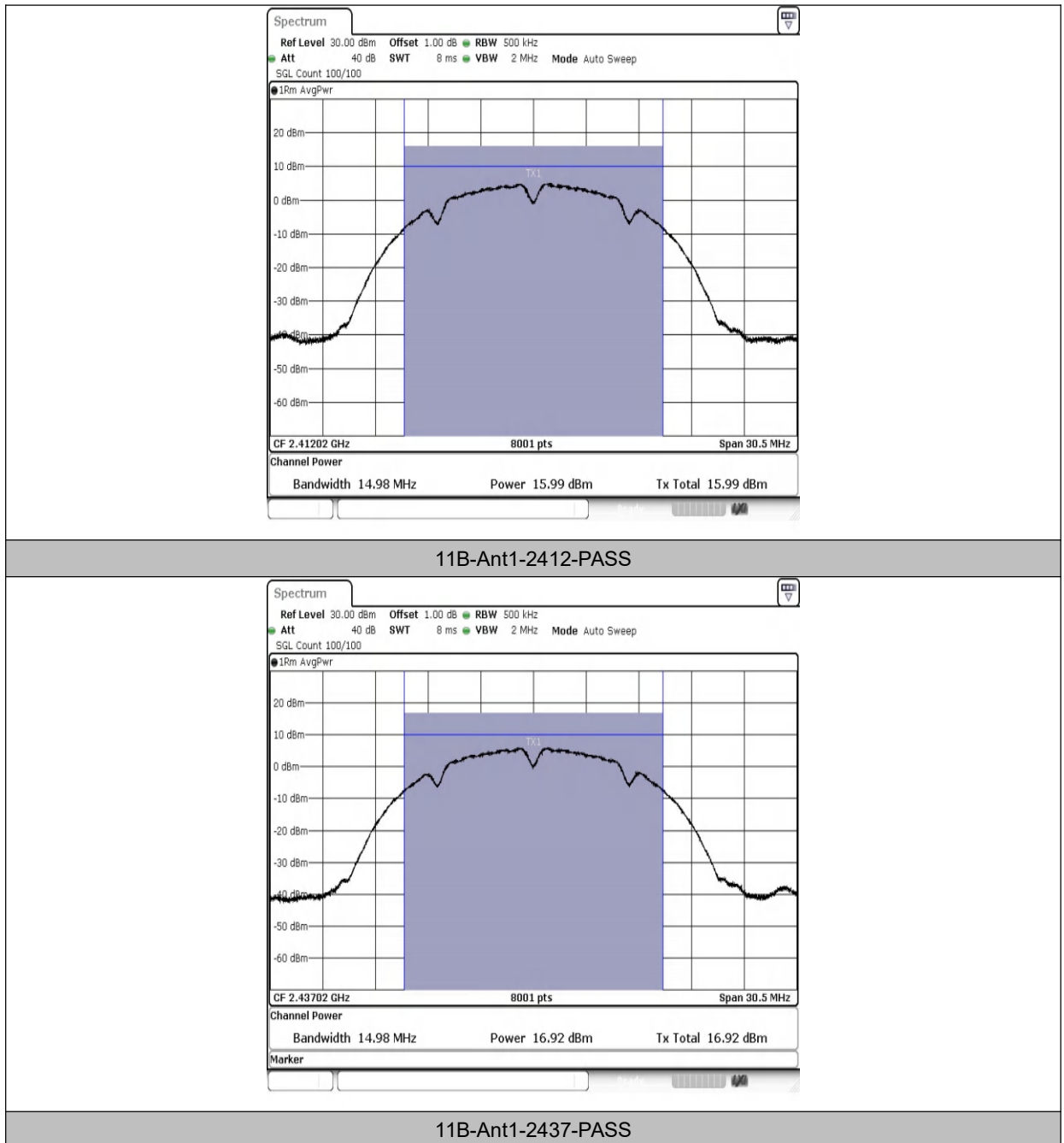
Appendix C: Maximum conducted output power

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	15.99	100.00	0.00	15.99	≤30.00	PASS
11B	Ant1	2437	NA	16.92	100.00	0.00	16.92	≤30.00	PASS
11B	Ant1	2462	NA	16.80	100.00	0.00	16.80	≤30.00	PASS
11G	Ant1	2412	NA	13.23	100.00	0.00	13.23	≤30.00	PASS
11G	Ant1	2437	NA	14.50	100.00	0.00	14.50	≤30.00	PASS
11G	Ant1	2462	NA	14.71	100.00	0.00	14.71	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.84	100.00	0.00	12.84	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.30	100.00	0.00	13.30	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.44	100.00	0.00	13.44	≤30.00	PASS

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

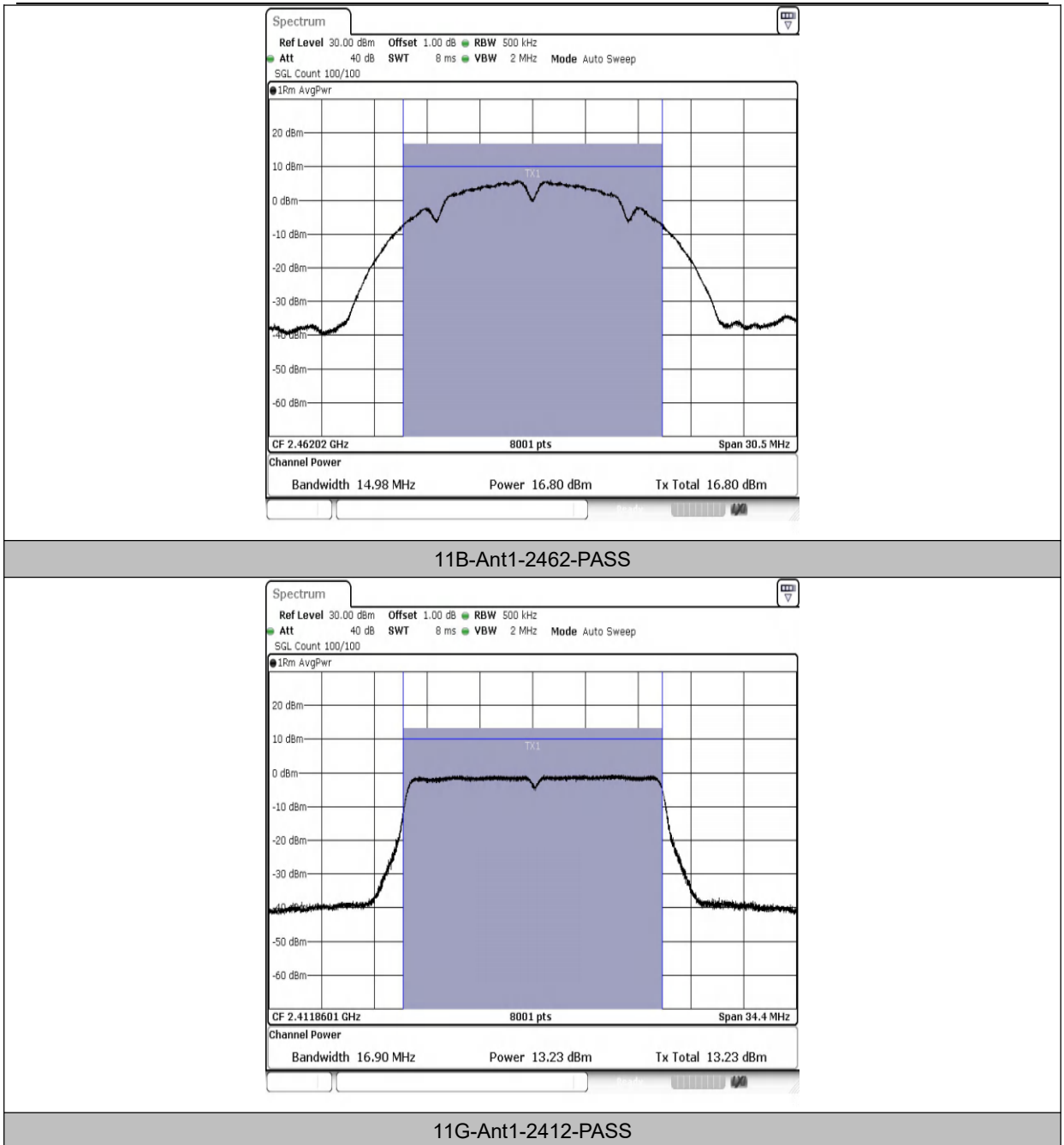
Test Graphs Average



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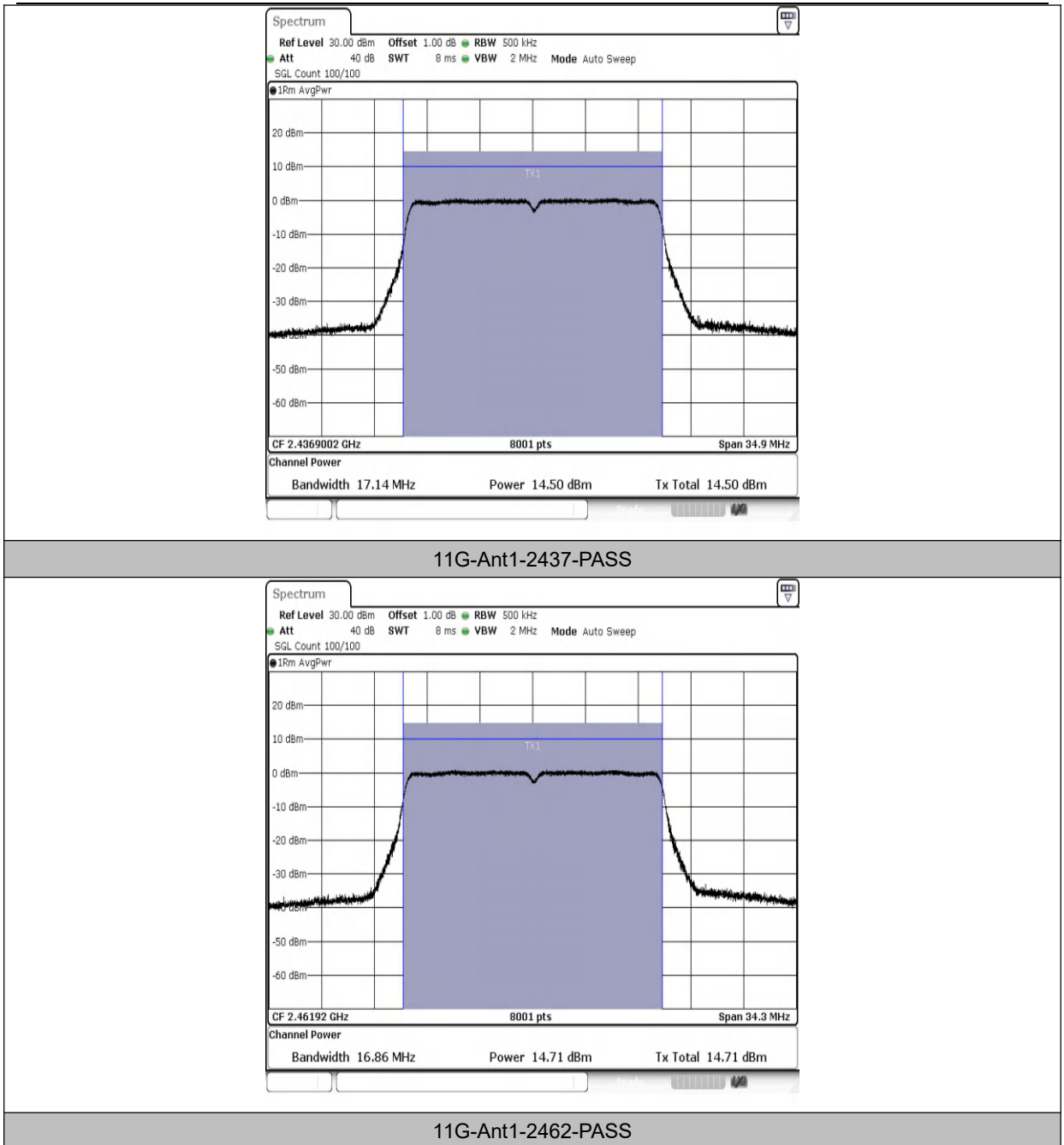
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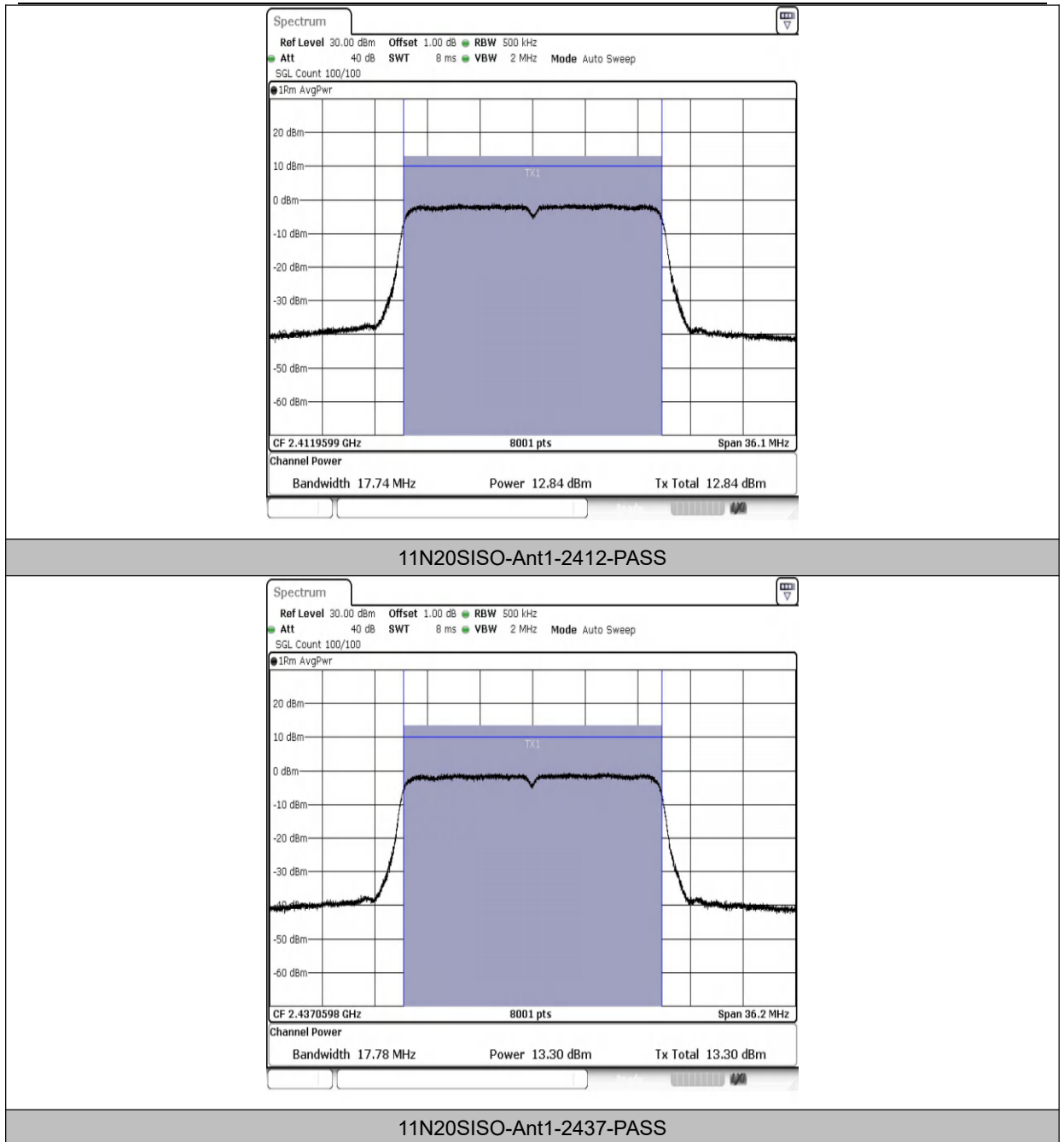
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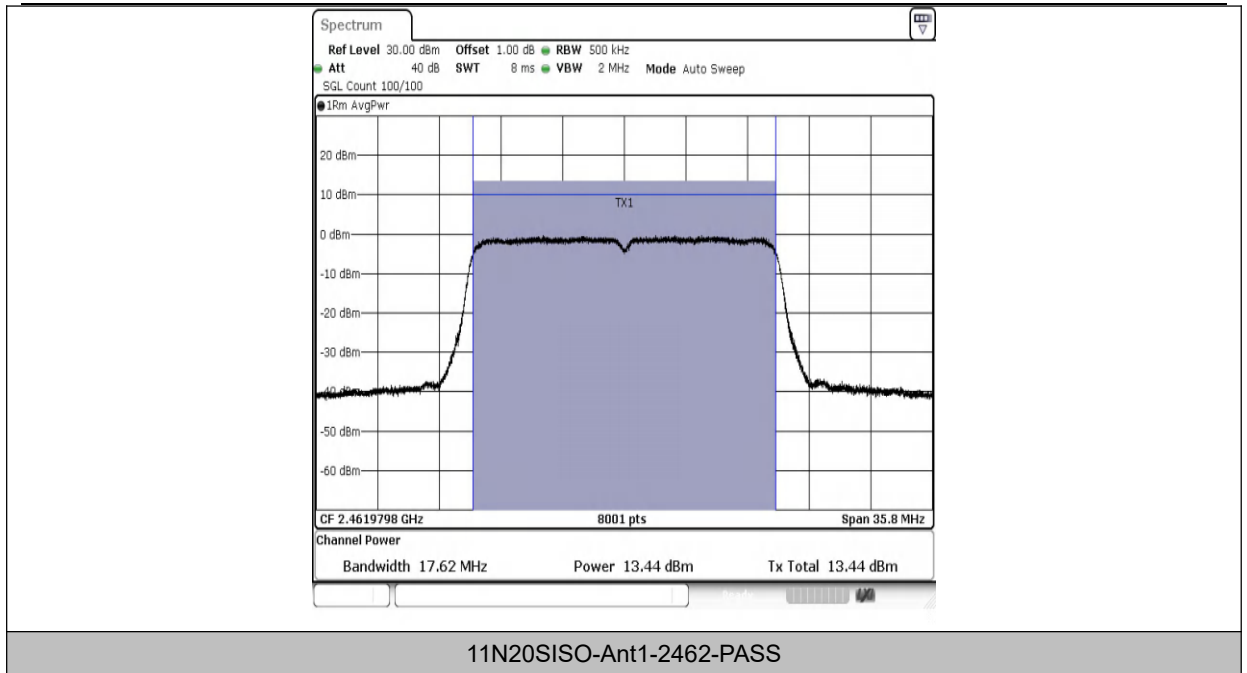
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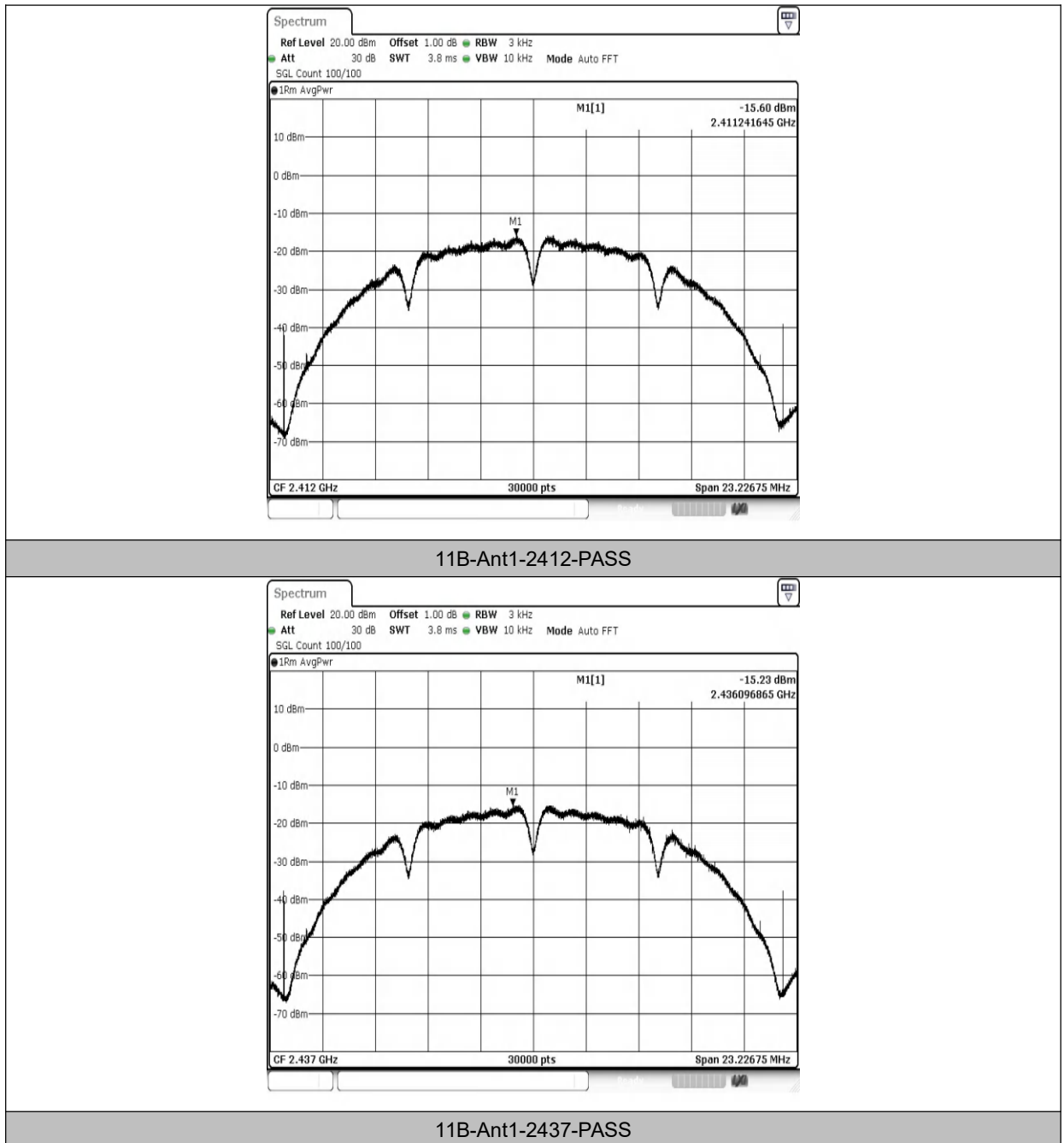
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.6	0.00	-15.60	≤8.00	PASS
11B	Ant1	2437	-15.23	0.00	-15.23	≤8.00	PASS
11B	Ant1	2462	-15.16	0.00	-15.16	≤8.00	PASS
11G	Ant1	2412	-20.49	0.00	-20.49	≤8.00	PASS
11G	Ant1	2437	-19.91	0.00	-19.91	≤8.00	PASS
11G	Ant1	2462	-19.37	0.00	-19.37	≤8.00	PASS
11N20SISO	Ant1	2412	-20.9	0.00	-20.90	≤8.00	PASS
11N20SISO	Ant1	2437	-20.58	0.00	-20.58	≤8.00	PASS
11N20SISO	Ant1	2462	-19.61	0.00	-19.61	≤8.00	PASS

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

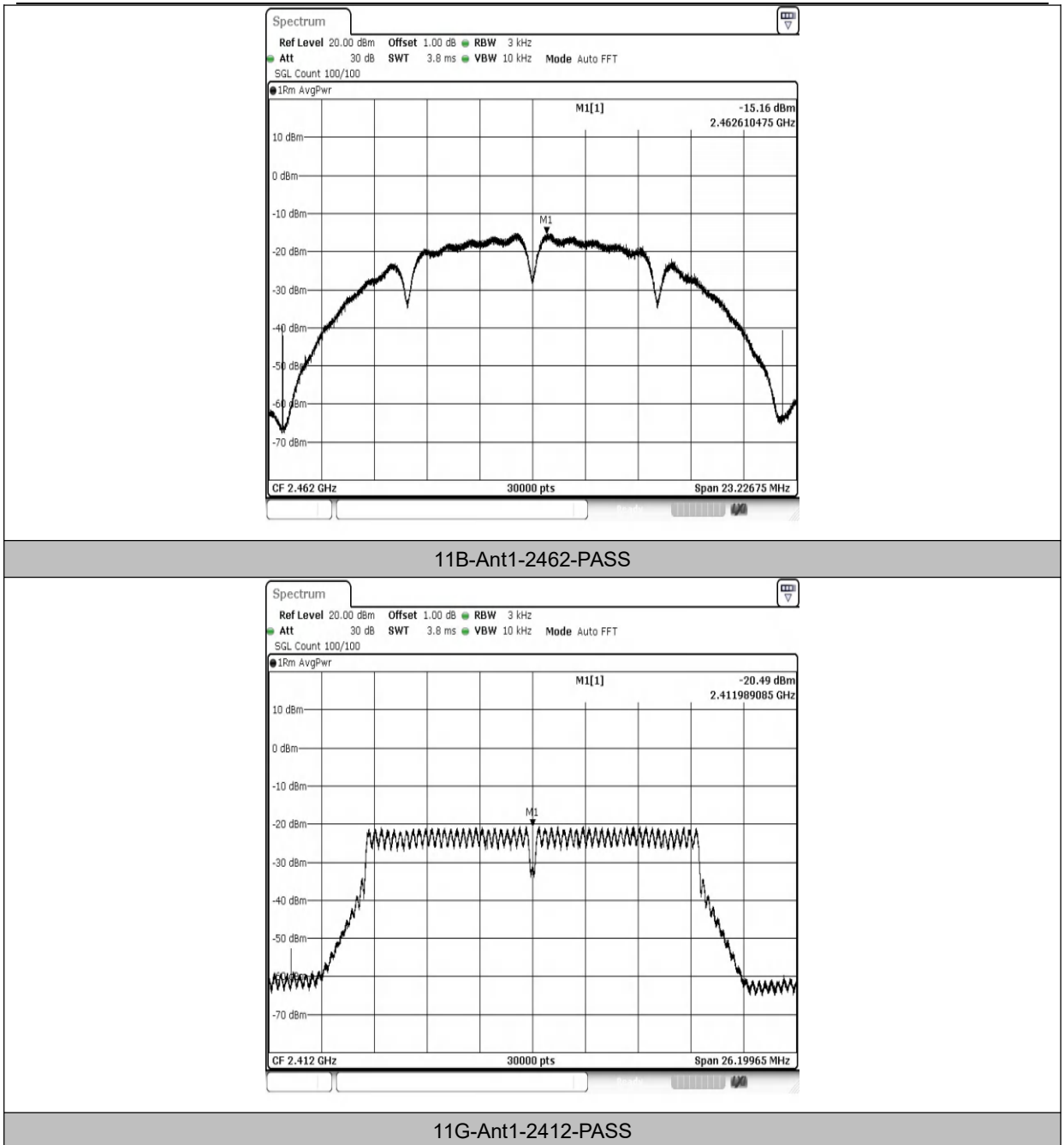
Test Graphs



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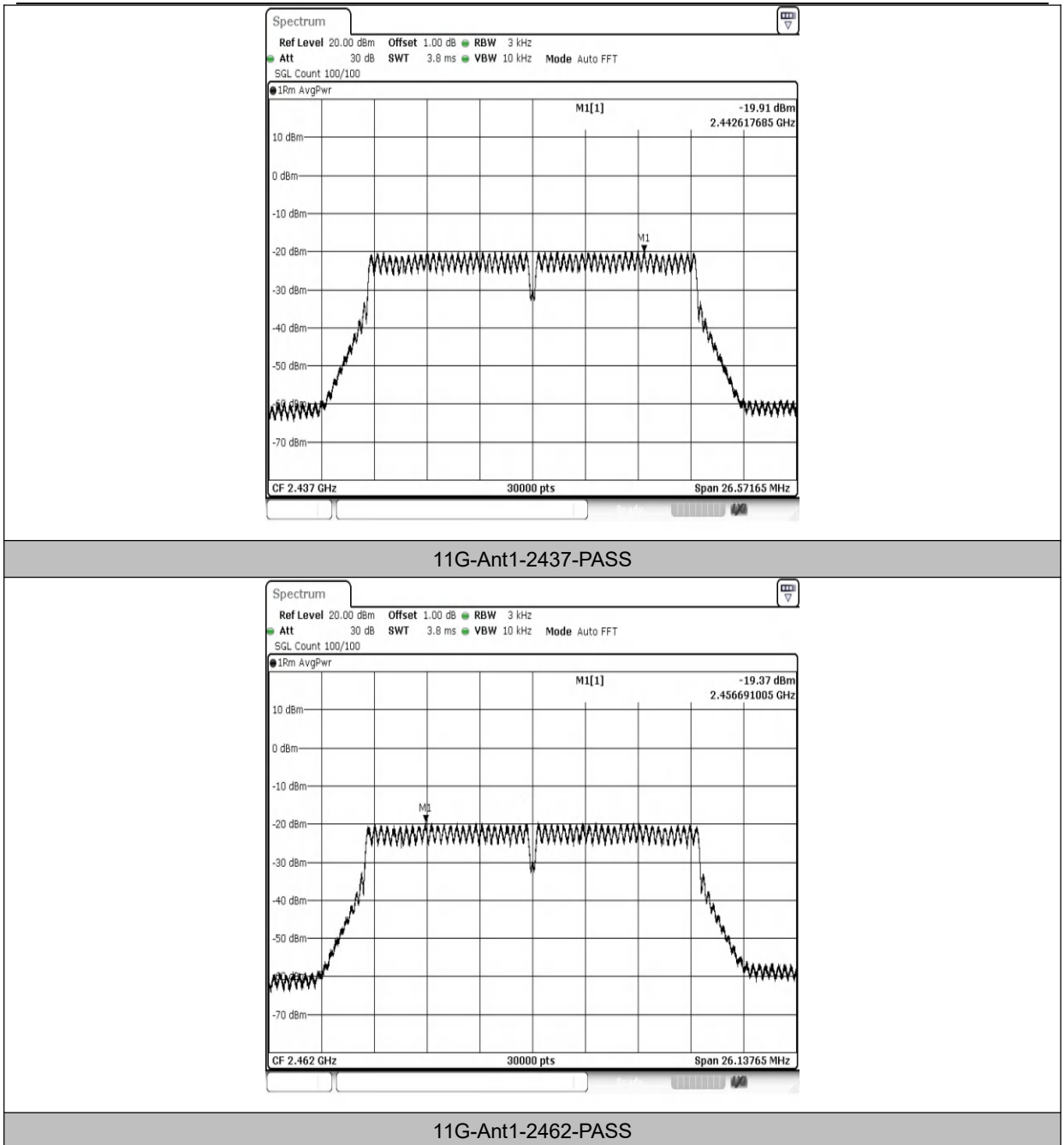
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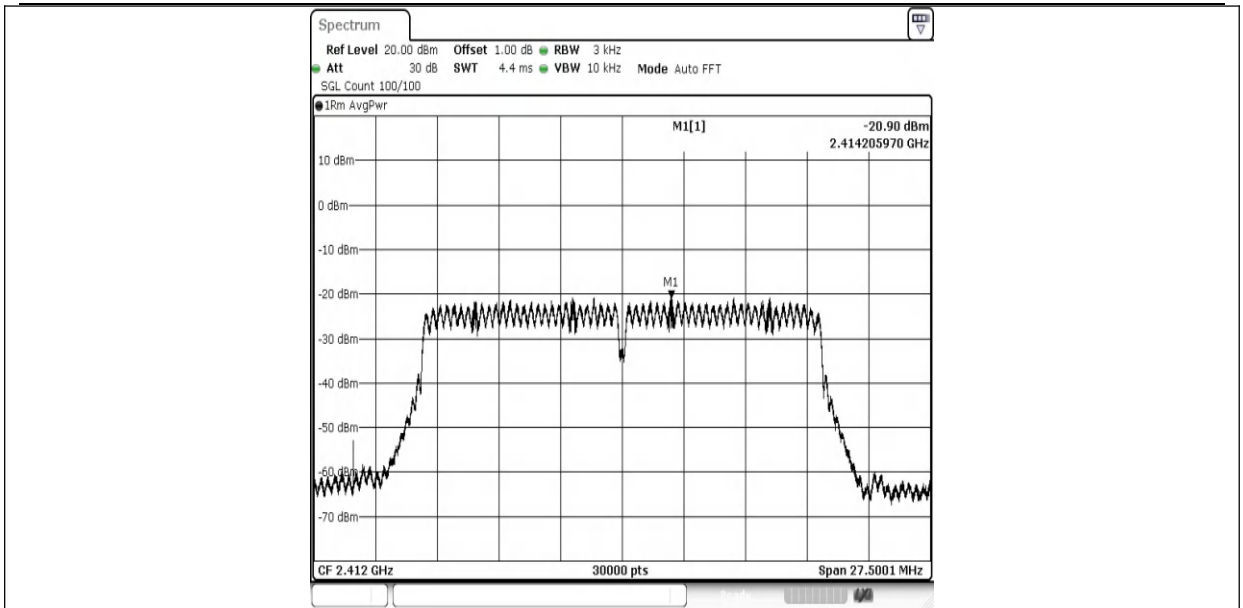
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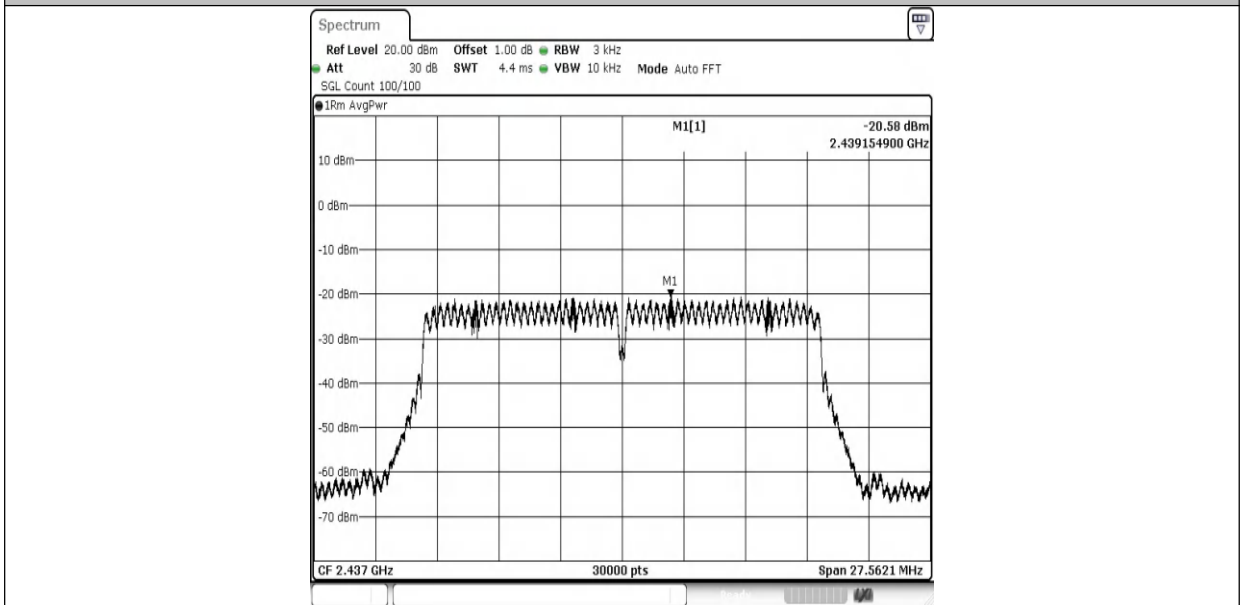
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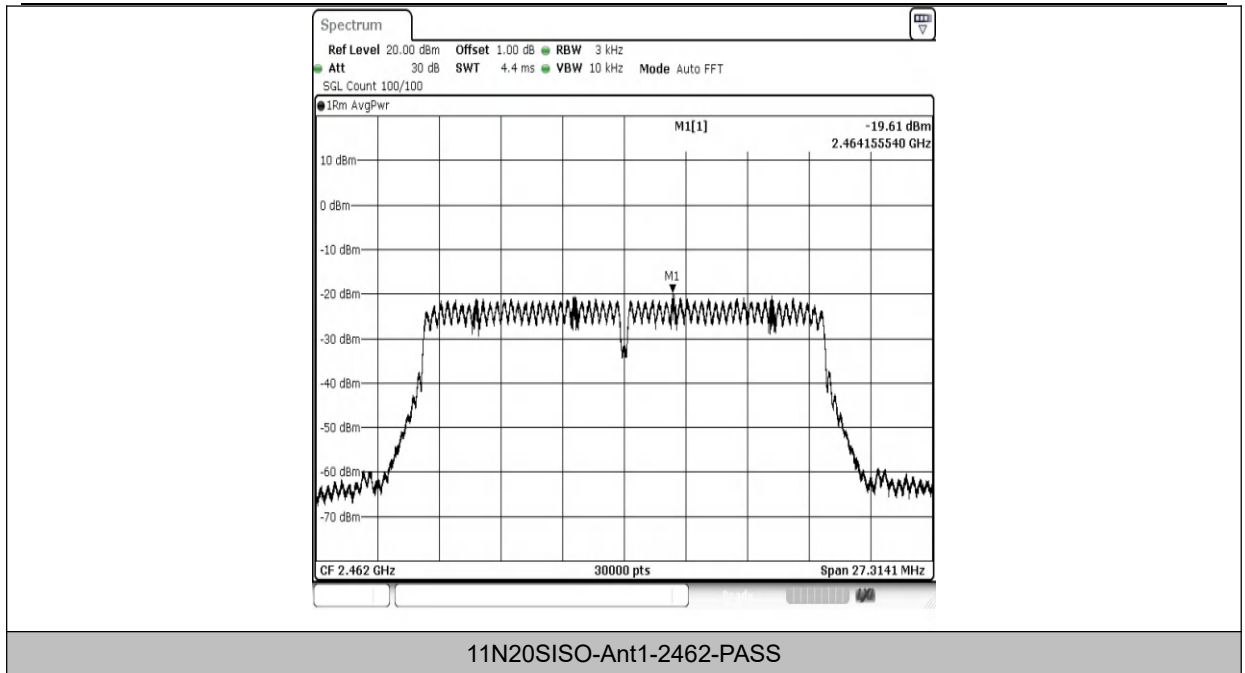
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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



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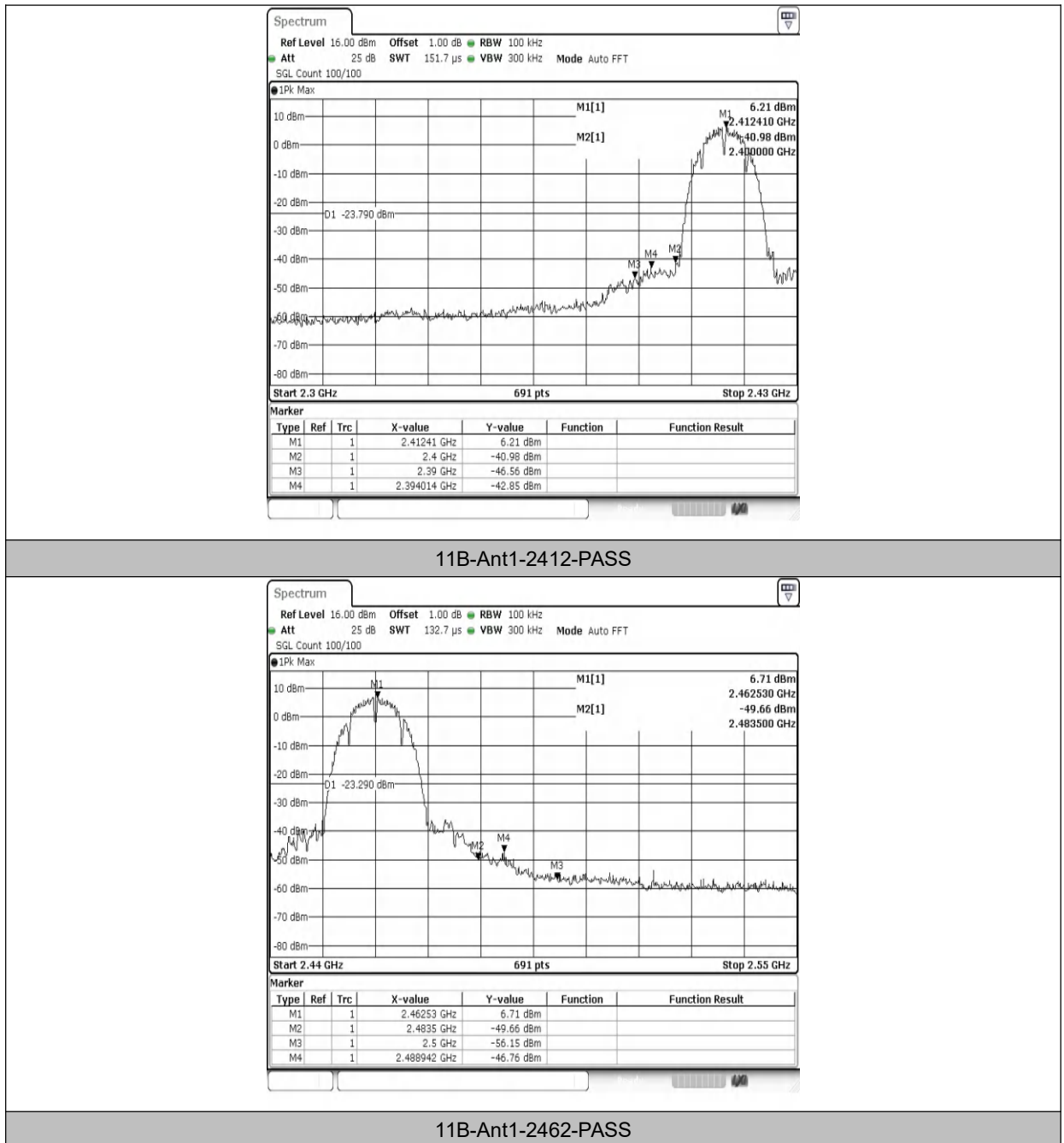
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.21	-42.85	≤-23.79	PASS
11B	Ant1	High	2462	6.71	-46.76	≤-23.29	PASS
11G	Ant1	Low	2412	2.19	-36.1	≤-27.81	PASS
11G	Ant1	High	2462	0.46	-43.7	≤-29.54	PASS
11N20SISO	Ant1	Low	2412	-0.52	-38.02	≤-30.52	PASS
11N20SISO	Ant1	High	2462	1.49	-45.76	≤-28.51	PASS

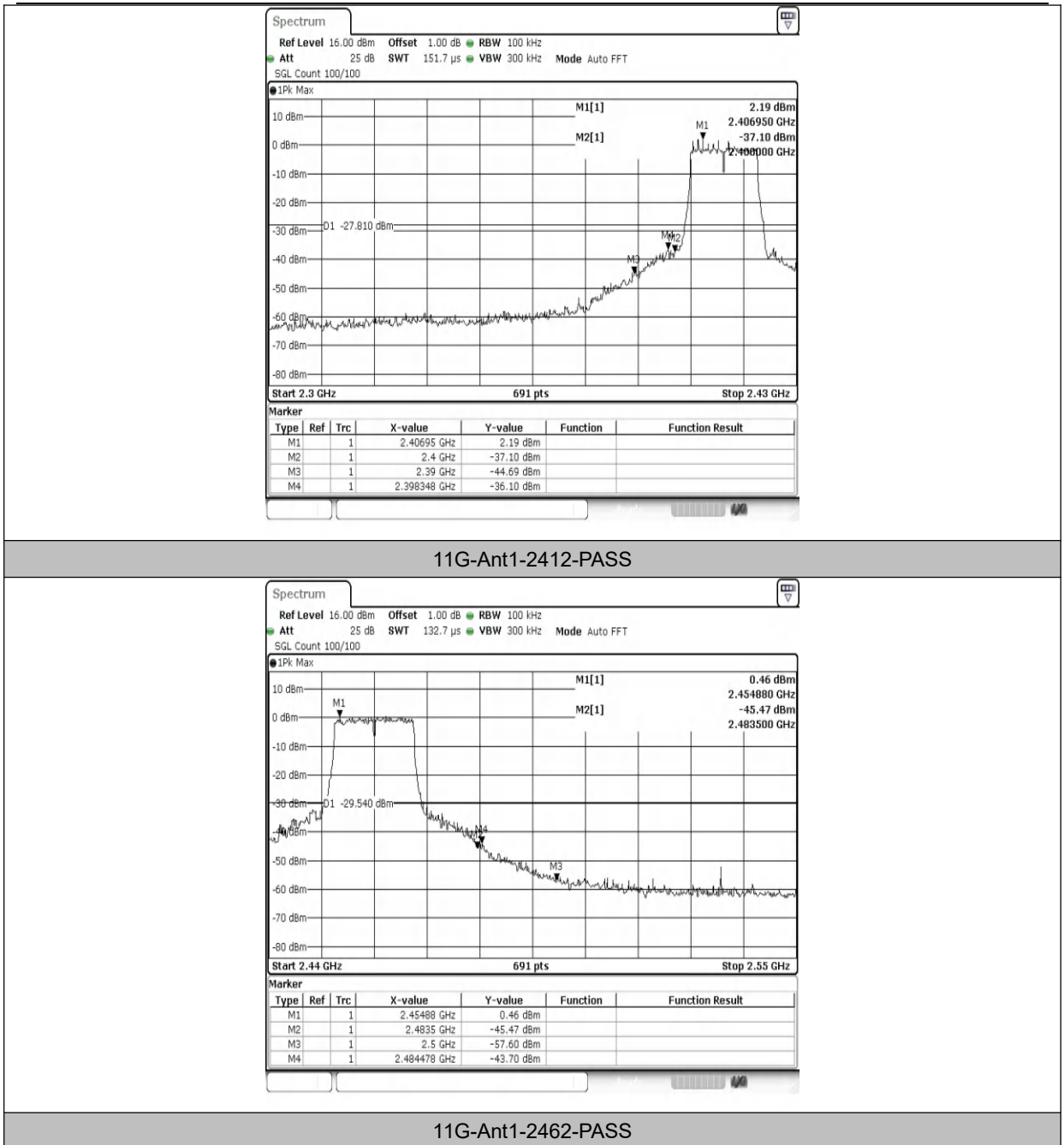
Test Graphs



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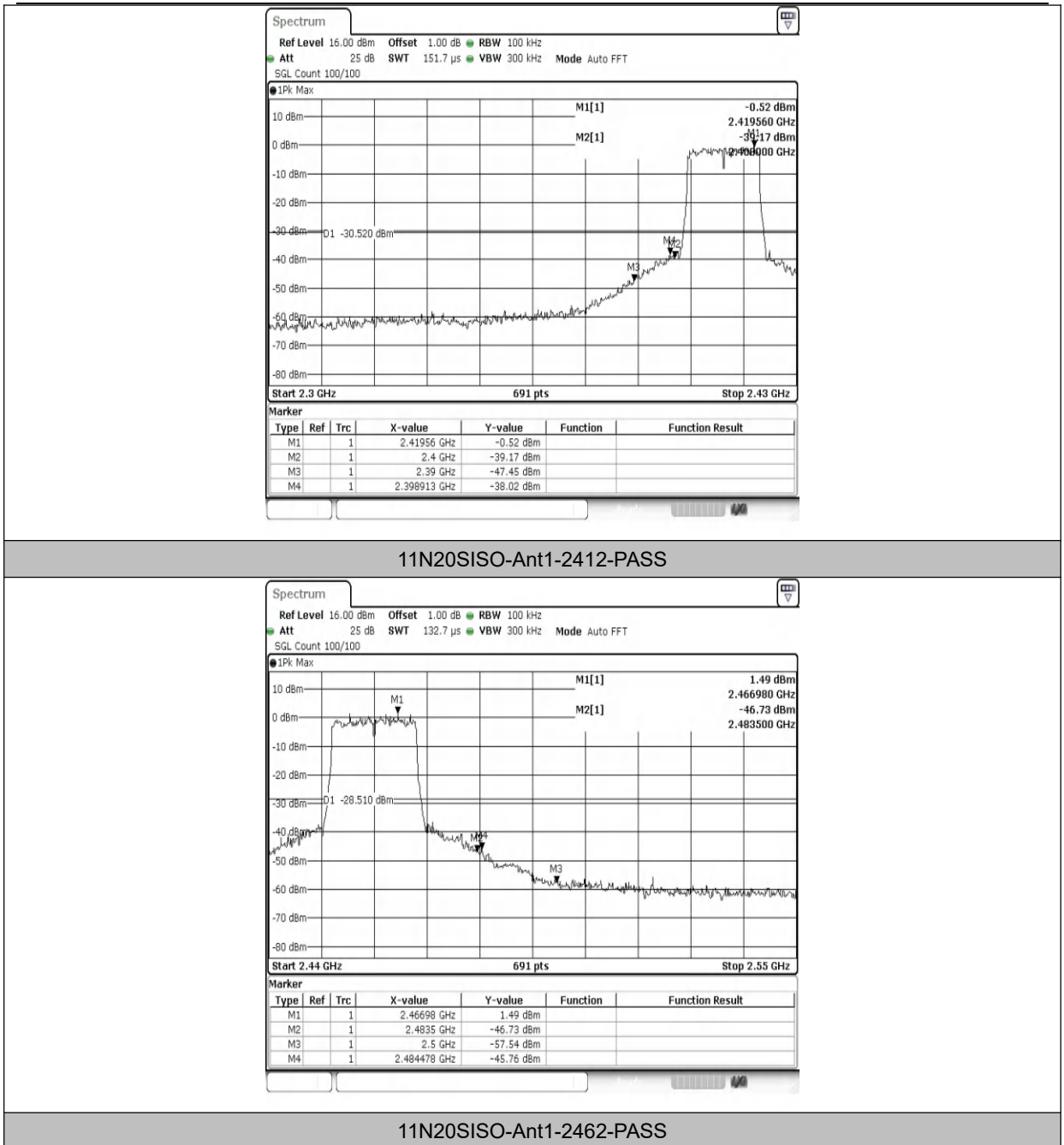
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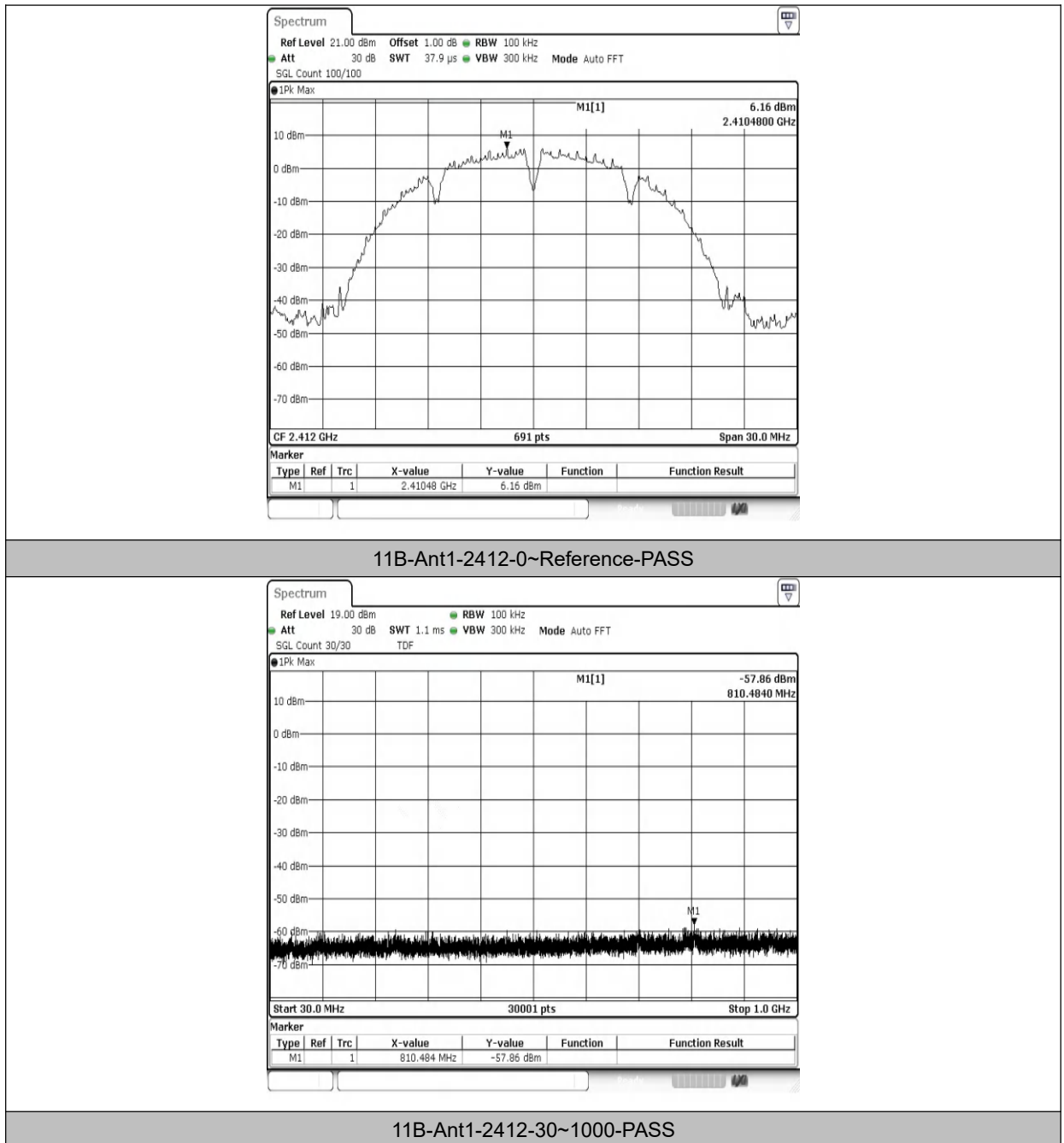
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.16	6.16	---	PASS
11B	Ant1	2412	30~1000	6.16	-57.86	≤-23.84	PASS
11B	Ant1	2412	1000~26500	6.16	-39.12	≤-23.84	PASS
11B	Ant1	2437	0~Reference	8.32	8.32	---	PASS
11B	Ant1	2437	30~1000	8.32	-58.32	≤-21.68	PASS
11B	Ant1	2437	1000~26500	8.32	-37.67	≤-21.68	PASS
11B	Ant1	2462	0~Reference	6.19	6.19	---	PASS
11B	Ant1	2462	30~1000	6.19	-57.66	≤-23.81	PASS
11B	Ant1	2462	1000~26500	6.19	-39.05	≤-23.81	PASS
11G	Ant1	2412	0~Reference	-0.73	-0.73	---	PASS
11G	Ant1	2412	30~1000	-0.73	-57.99	≤-30.73	PASS
11G	Ant1	2412	1000~26500	-0.73	-43.45	≤-30.73	PASS
11G	Ant1	2437	0~Reference	0.41	0.41	---	PASS
11G	Ant1	2437	30~1000	0.41	-57.54	≤-29.59	PASS
11G	Ant1	2437	1000~26500	0.41	-44.05	≤-29.59	PASS
11G	Ant1	2462	0~Reference	0.52	0.52	---	PASS
11G	Ant1	2462	30~1000	0.52	-58.02	≤-29.48	PASS
11G	Ant1	2462	1000~26500	0.52	-44.88	≤-29.48	PASS
11N20SISO	Ant1	2412	0~Reference	0.41	0.41	---	PASS
11N20SISO	Ant1	2412	30~1000	0.41	-58	≤-29.59	PASS
11N20SISO	Ant1	2412	1000~26500	0.41	-43.58	≤-29.59	PASS
11N20SISO	Ant1	2437	0~Reference	1.12	1.12	---	PASS
11N20SISO	Ant1	2437	30~1000	1.12	-58.1	≤-28.88	PASS
11N20SISO	Ant1	2437	1000~26500	1.12	-44.18	≤-28.88	PASS
11N20SISO	Ant1	2462	0~Reference	0.84	0.84	---	PASS
11N20SISO	Ant1	2462	30~1000	0.84	-58	≤-29.16	PASS
11N20SISO	Ant1	2462	1000~26500	0.84	-44.37	≤-29.16	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.

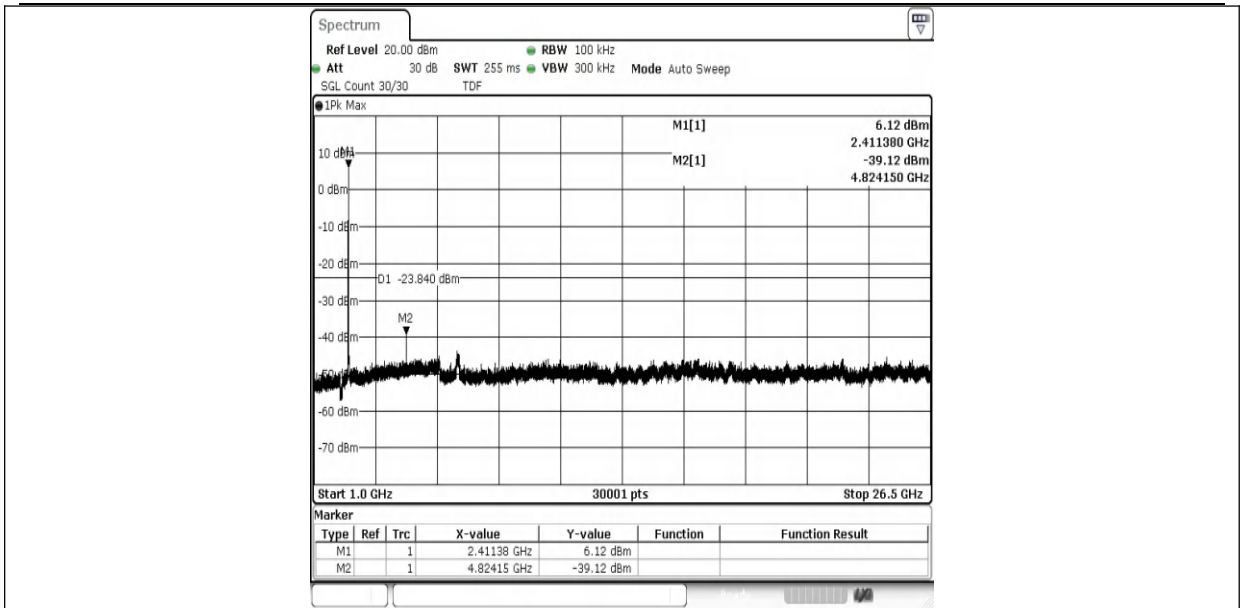
Test Graphs



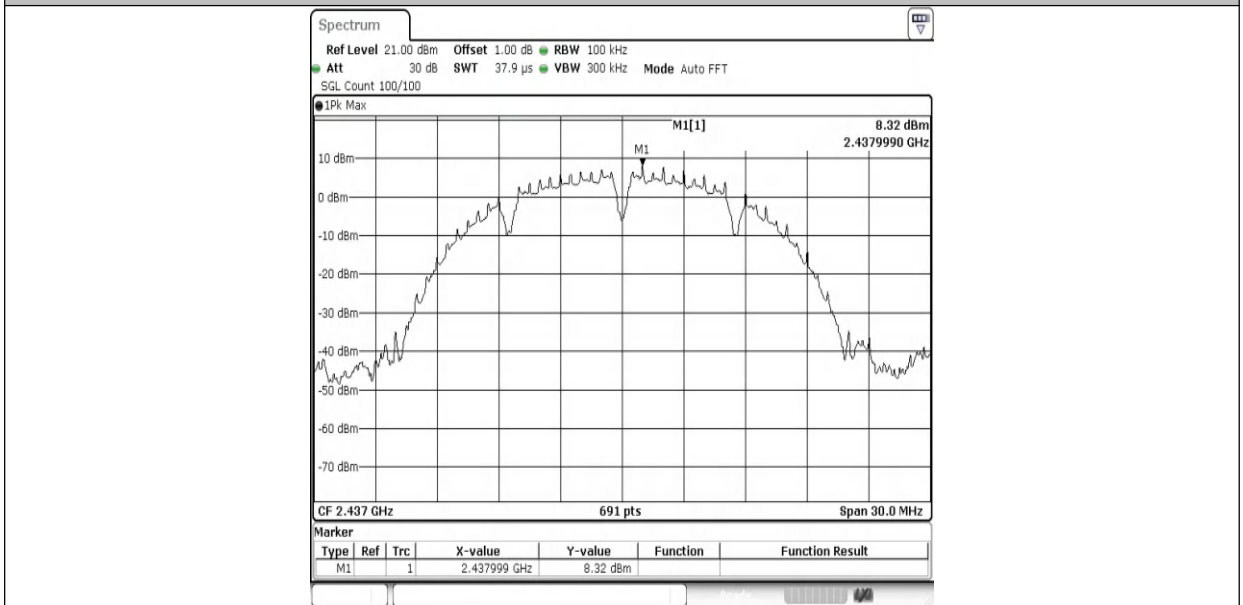
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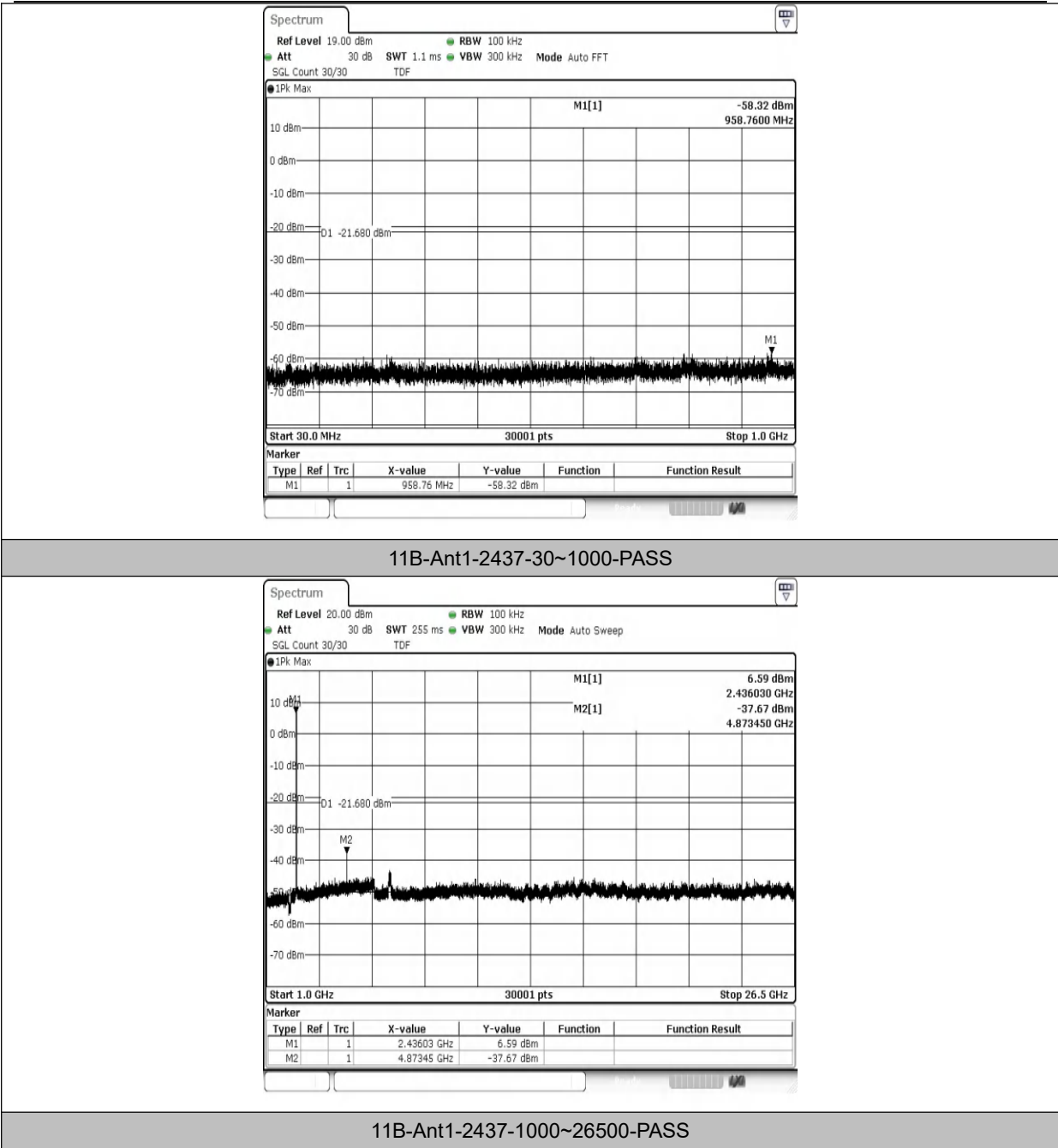
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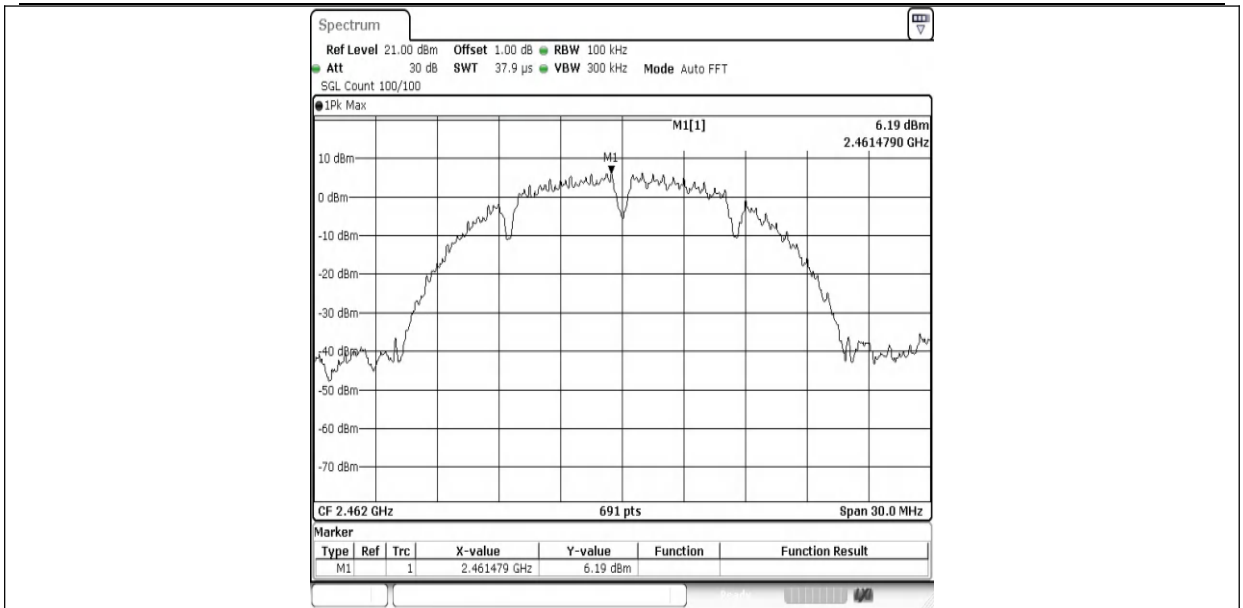


11B-Ant1-2412-1000~26500-PASS

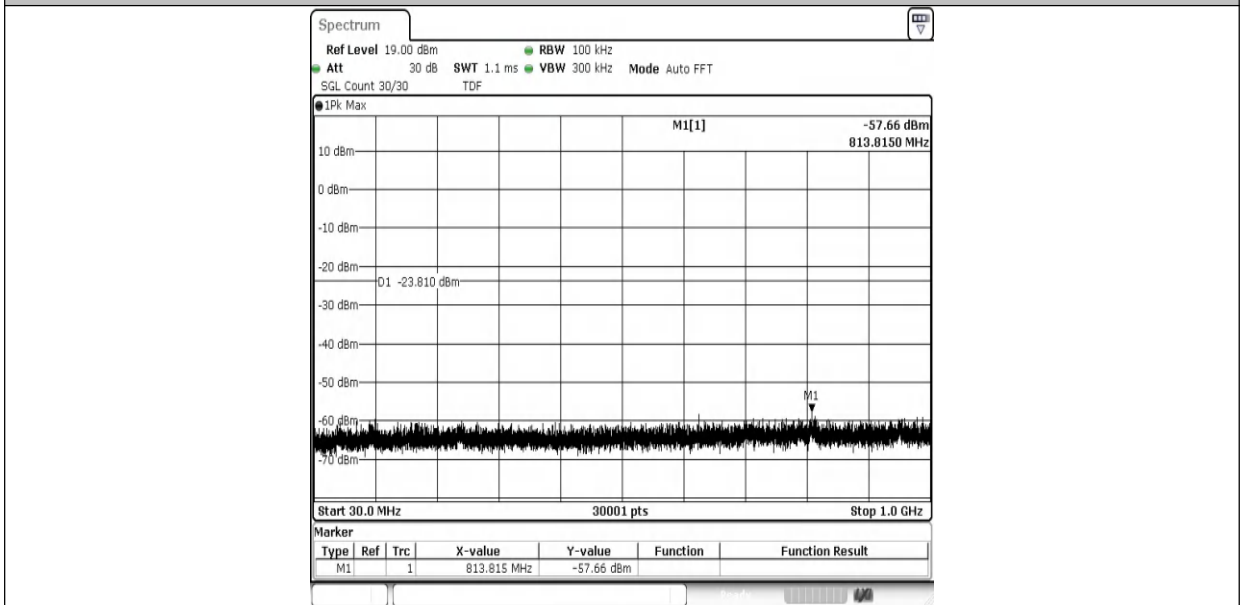


11B-Ant1-2437-0~Reference-PASS





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

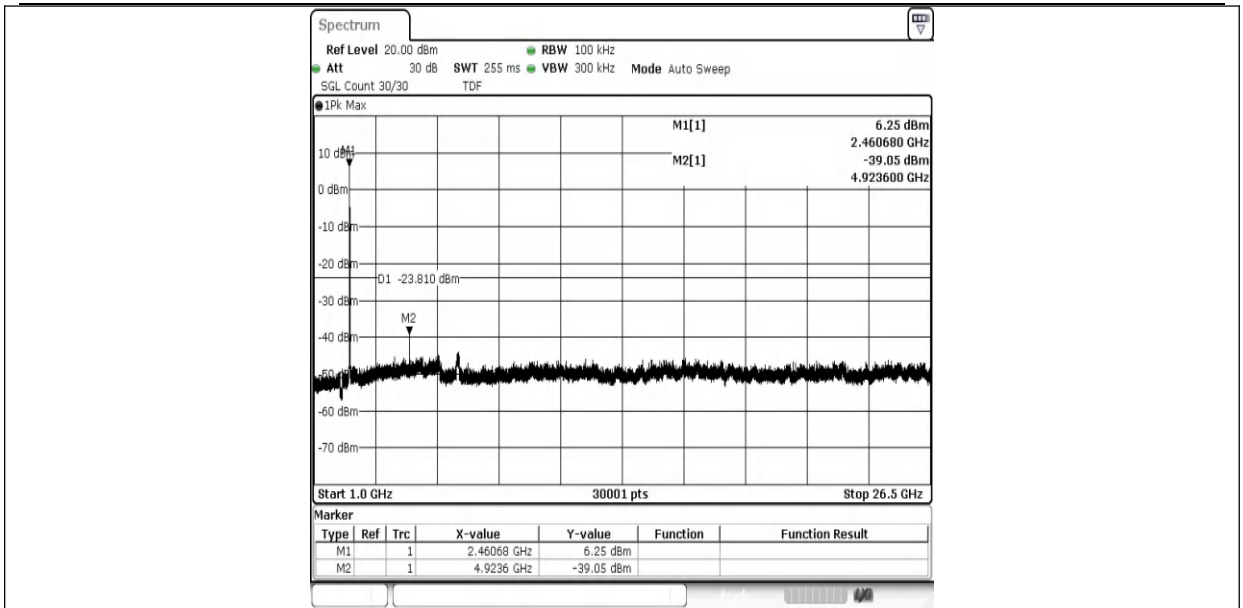


11B-Ant1-2462-30~1000-PASS

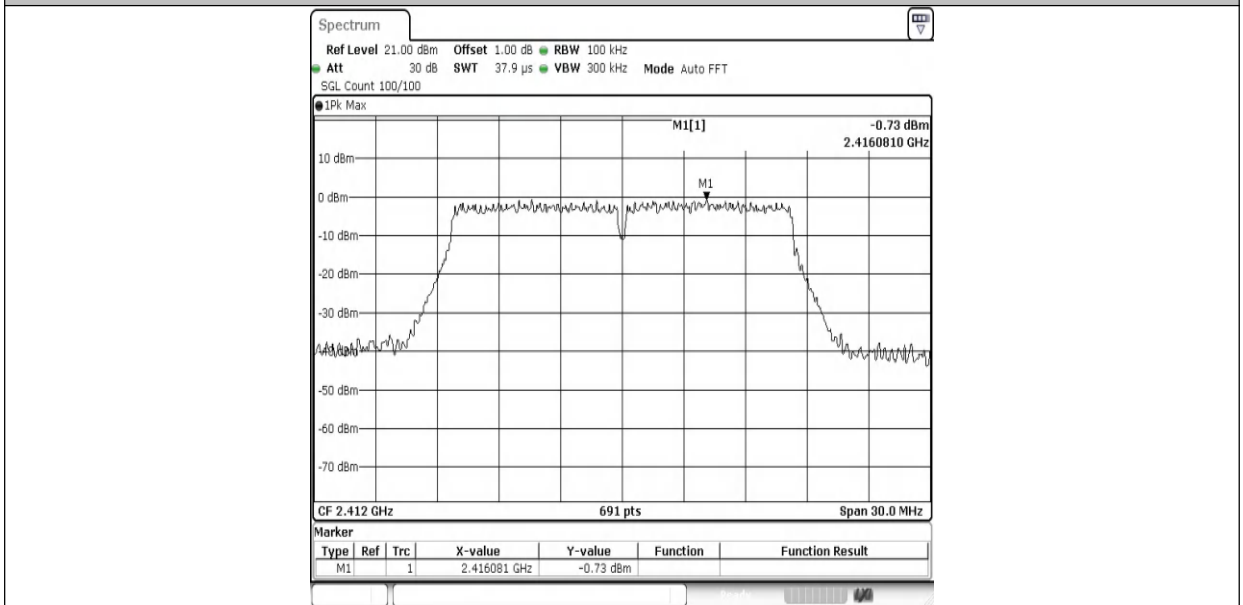
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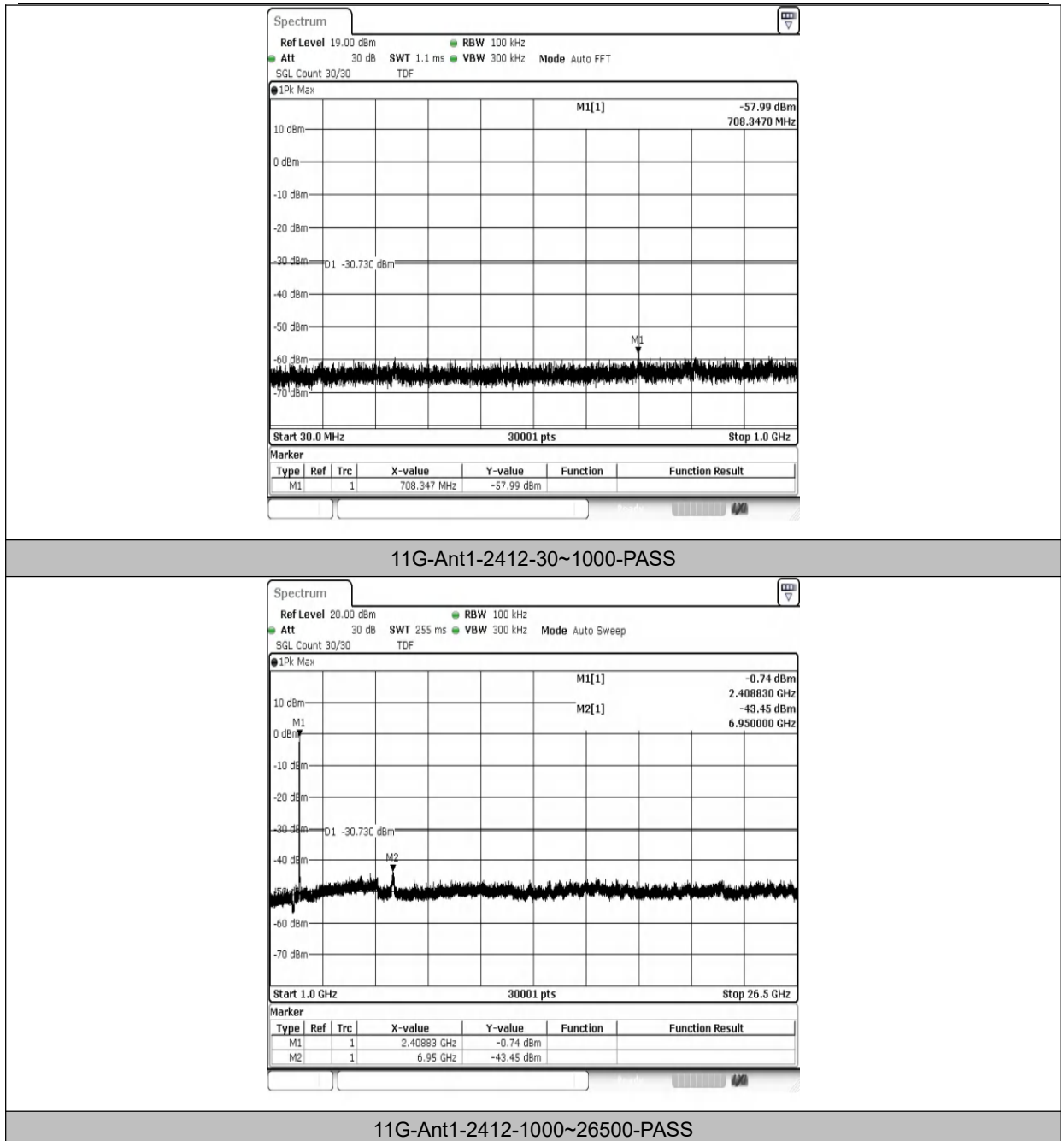
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11B-Ant1-2462-1000~26500-PASS



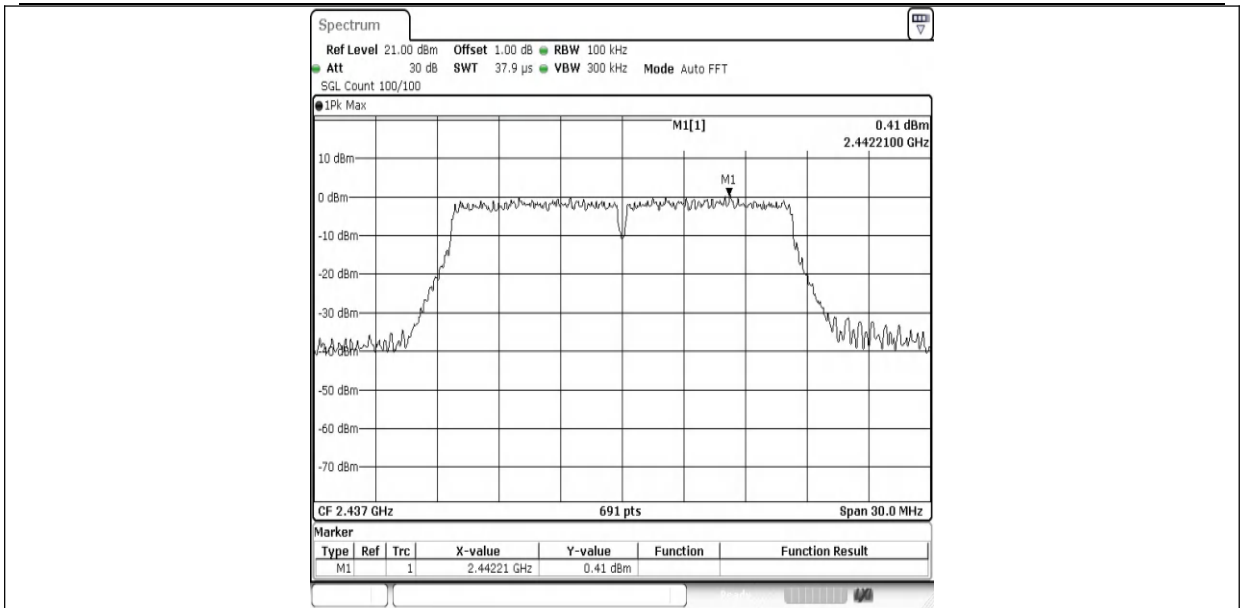
11G-Ant1-2412-0~Reference-PASS



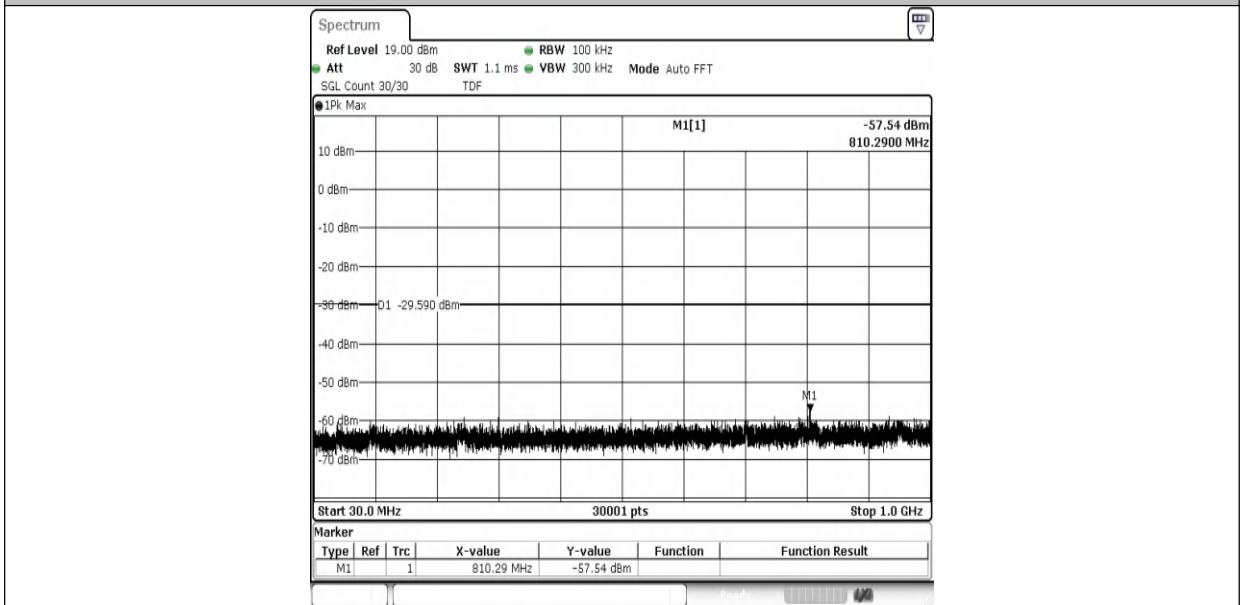
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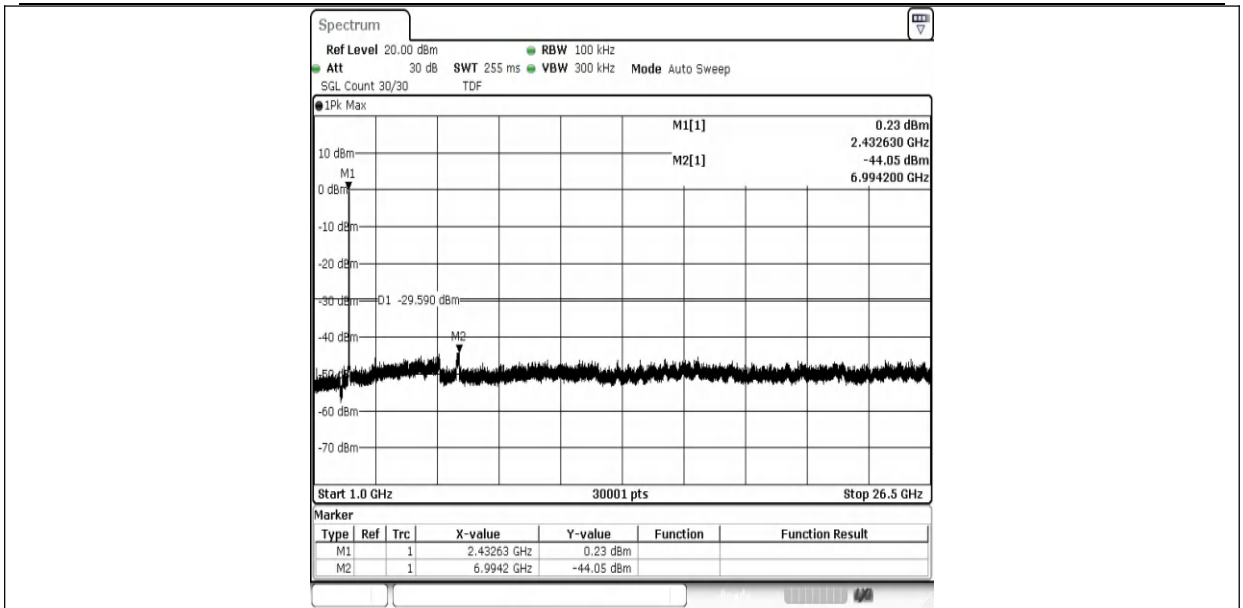
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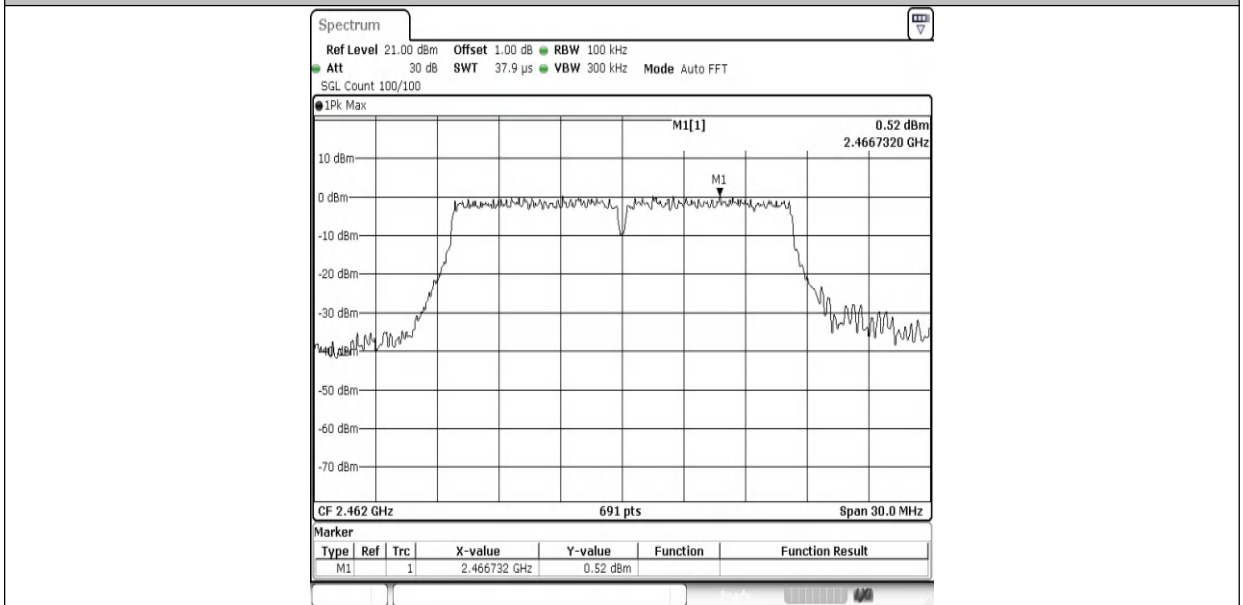
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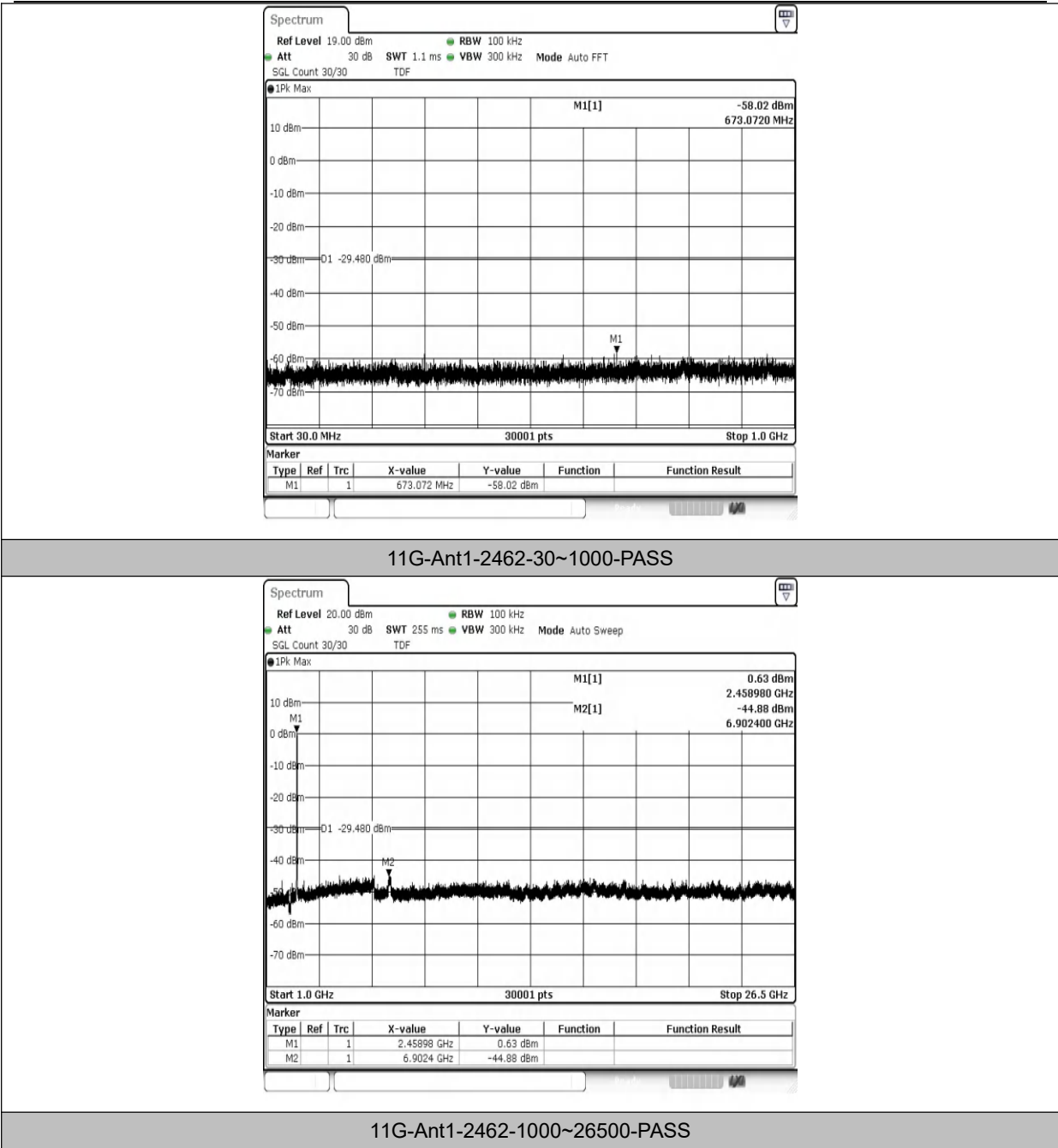
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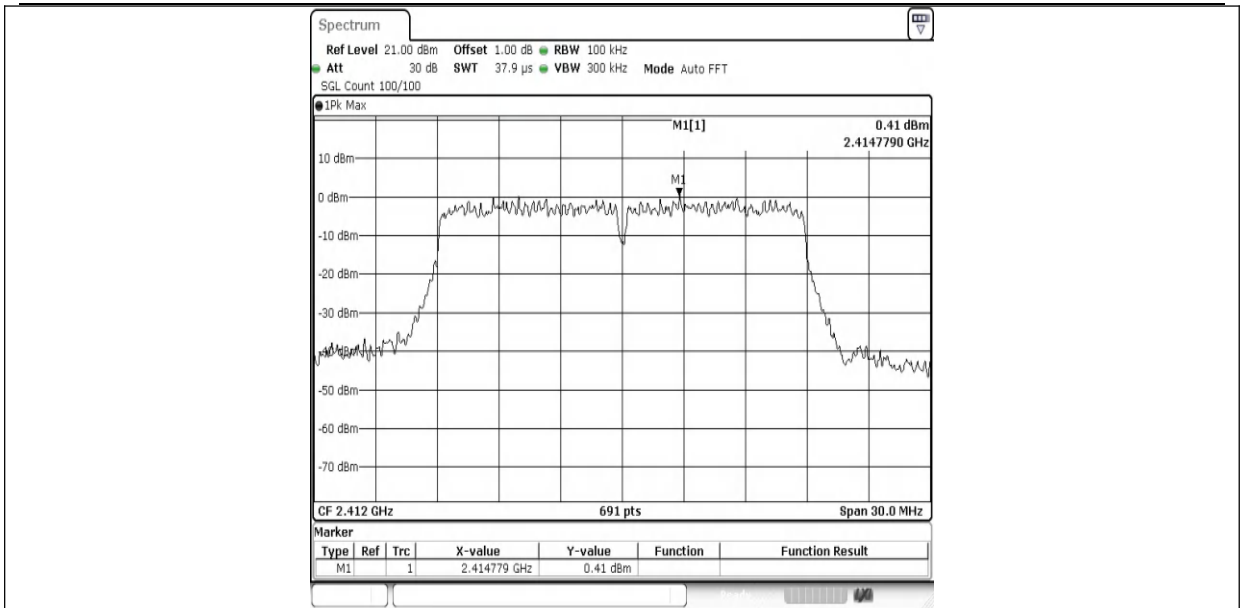


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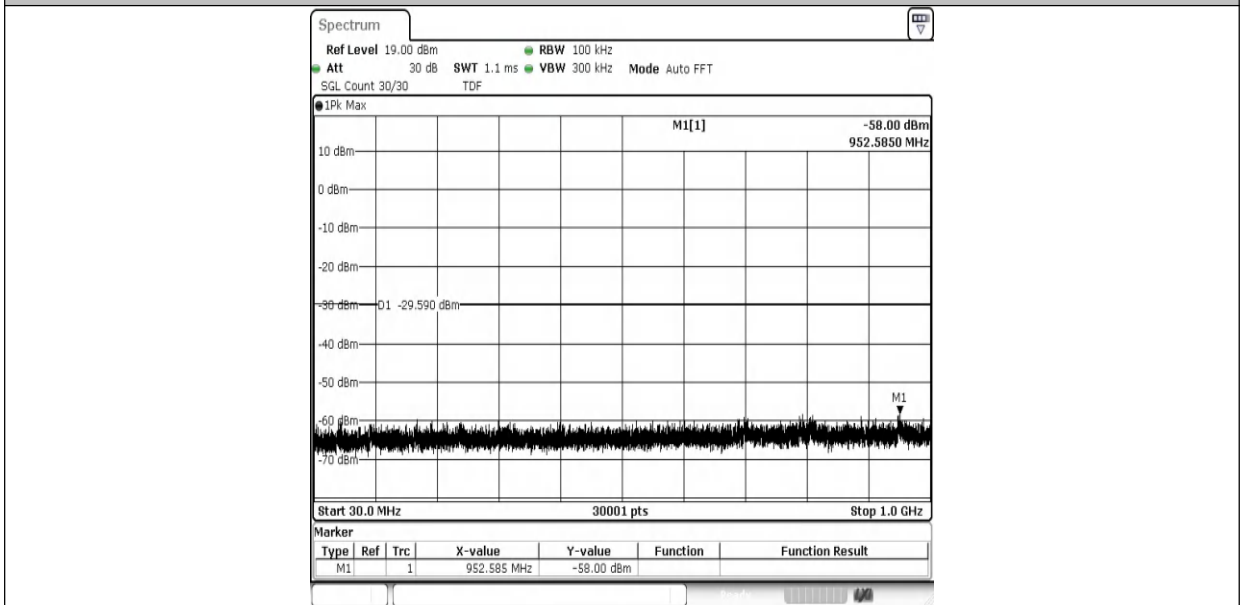


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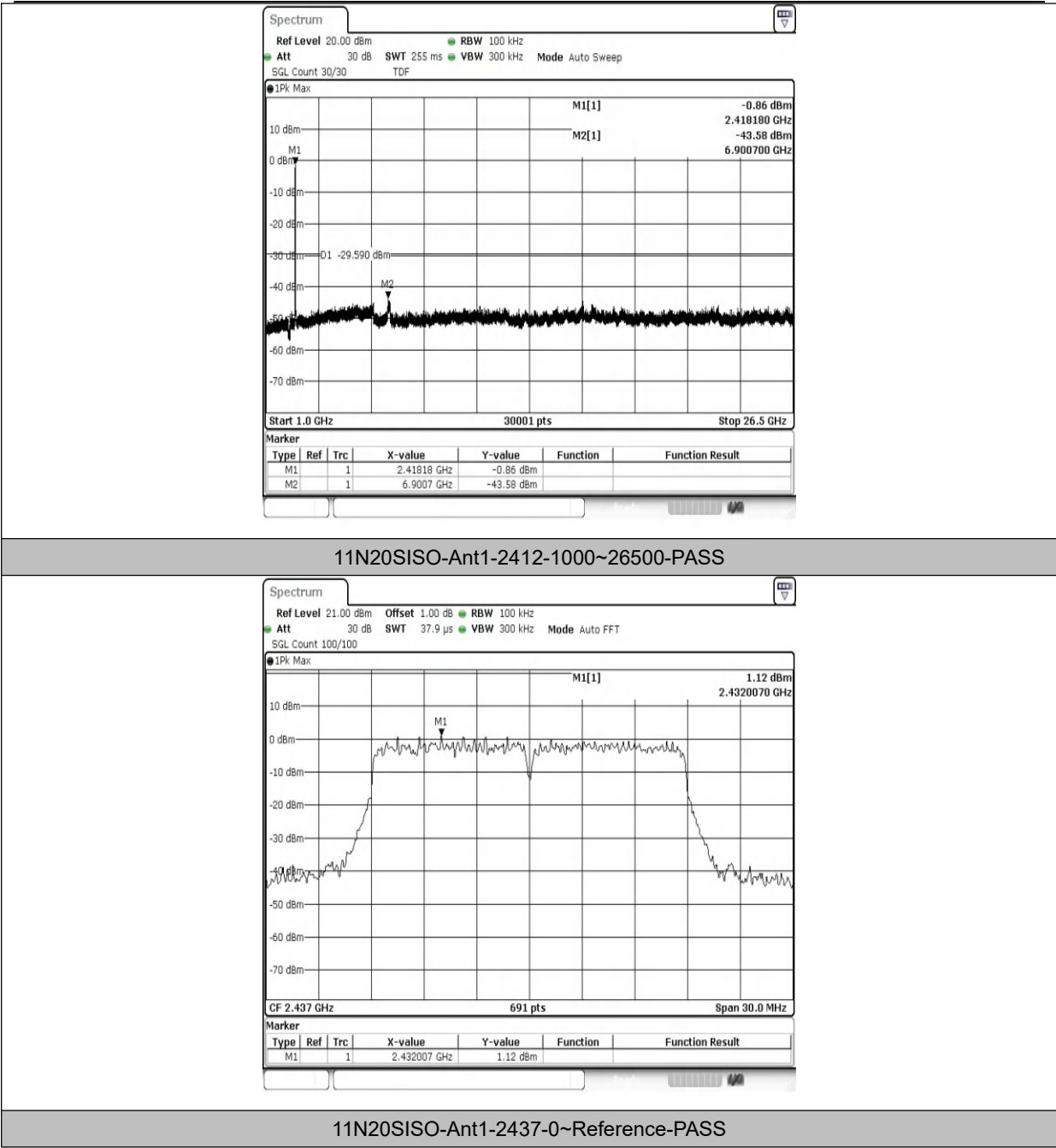


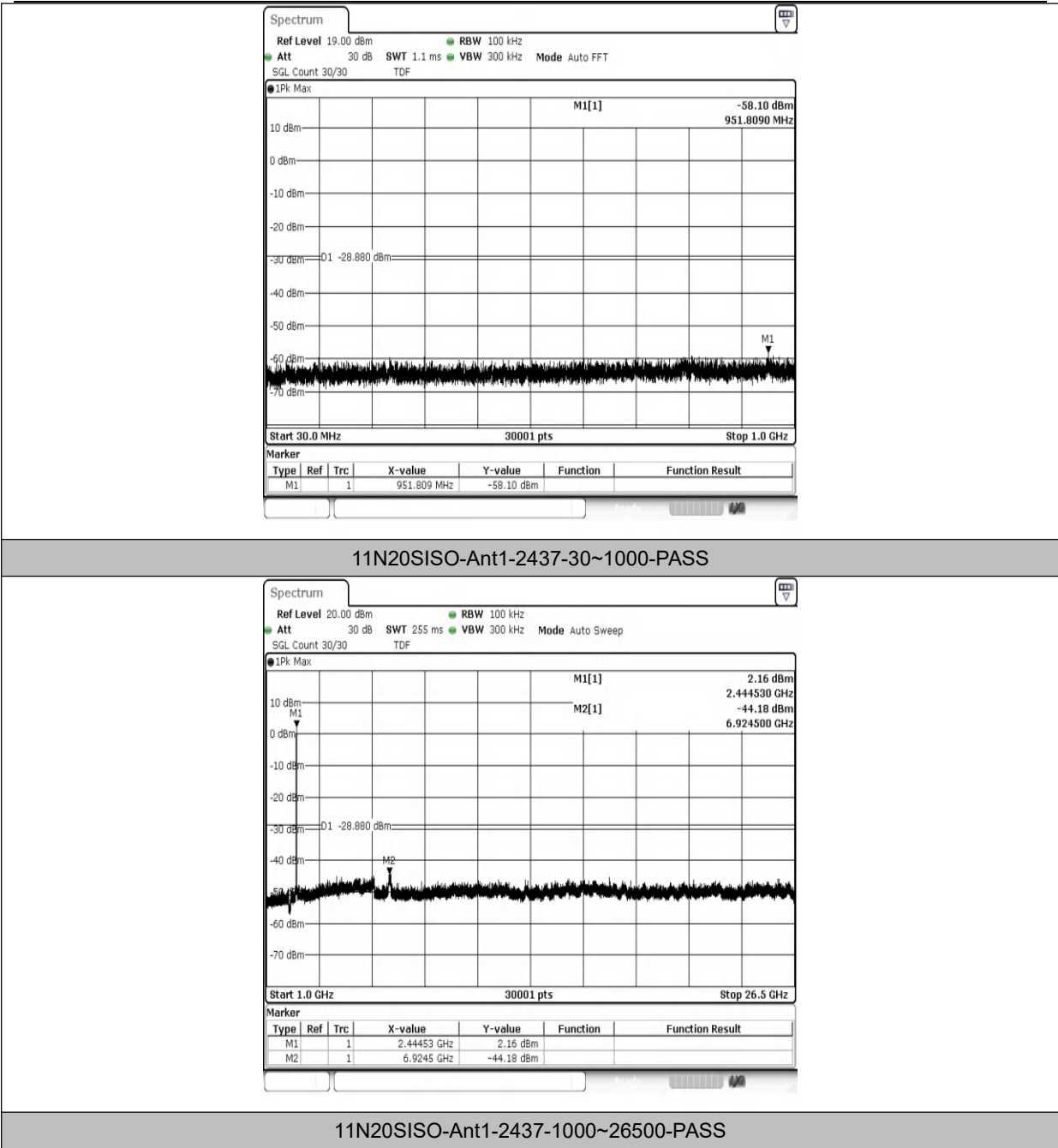


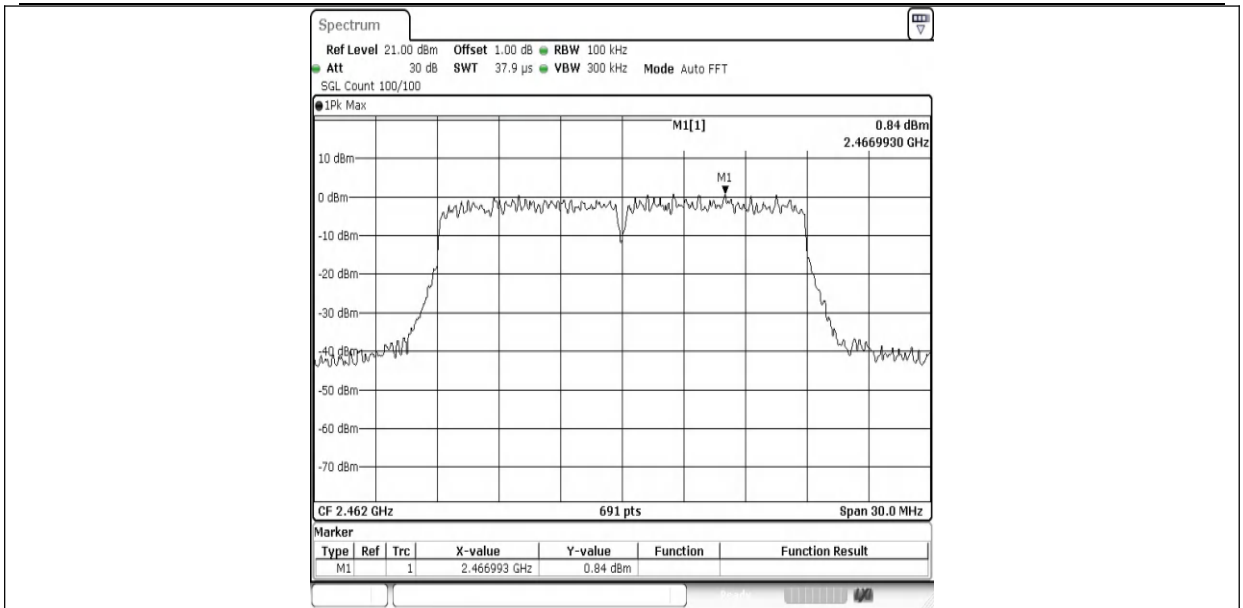
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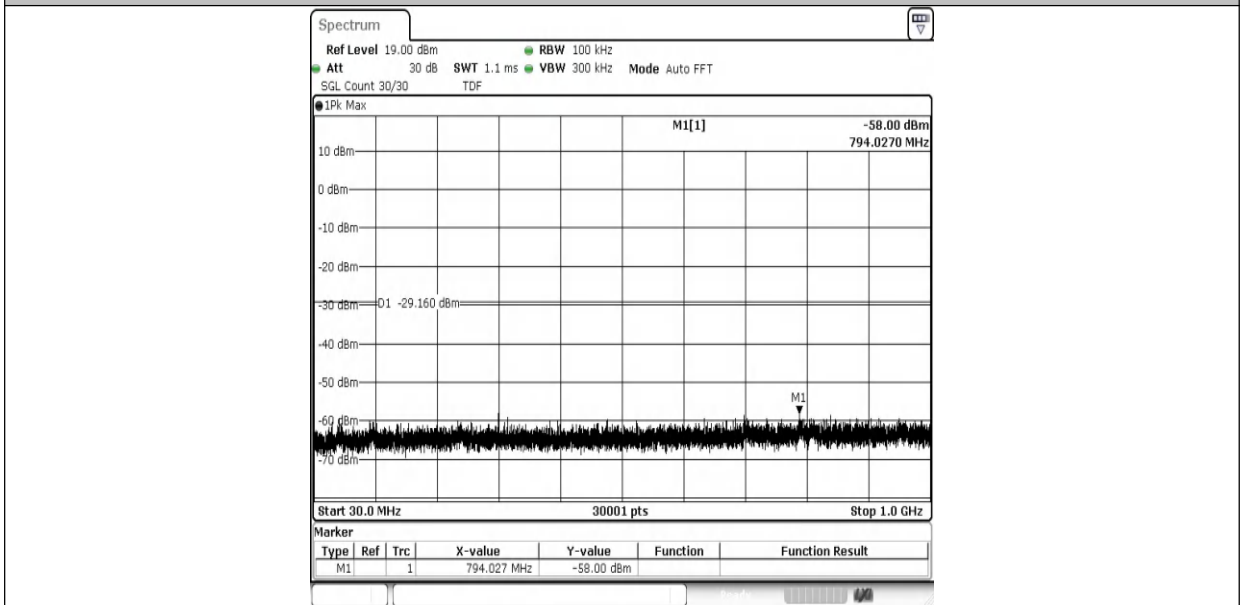
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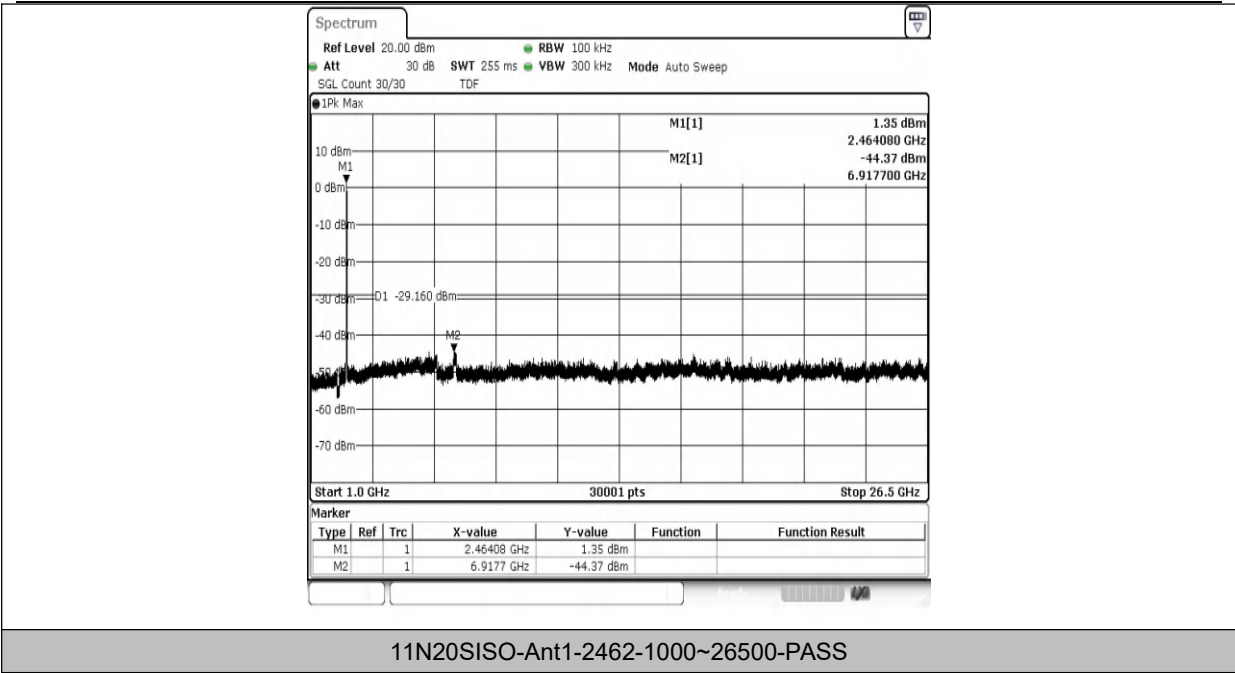




11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS



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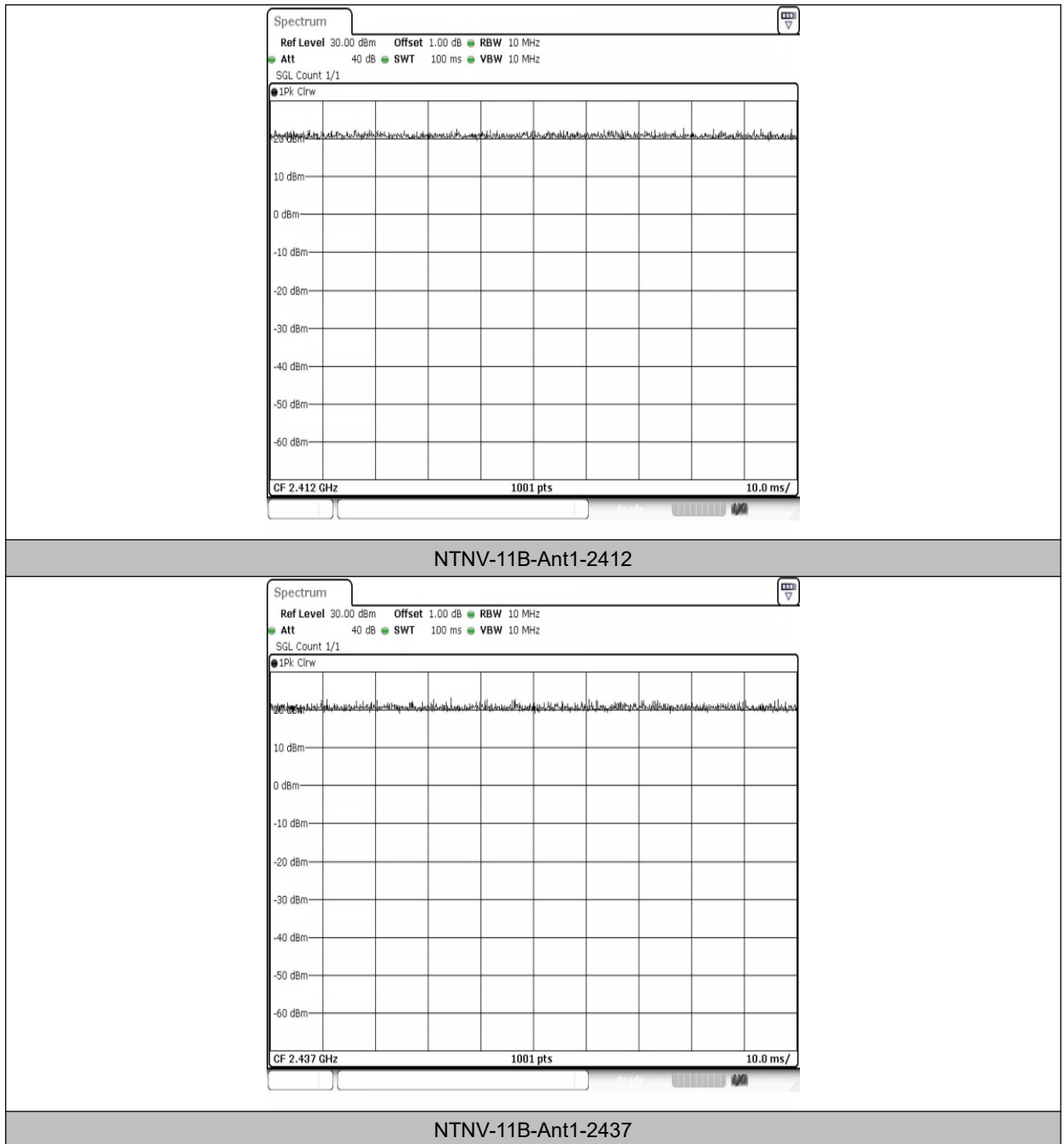
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Appendix G: Duty Cycle

Test Result

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

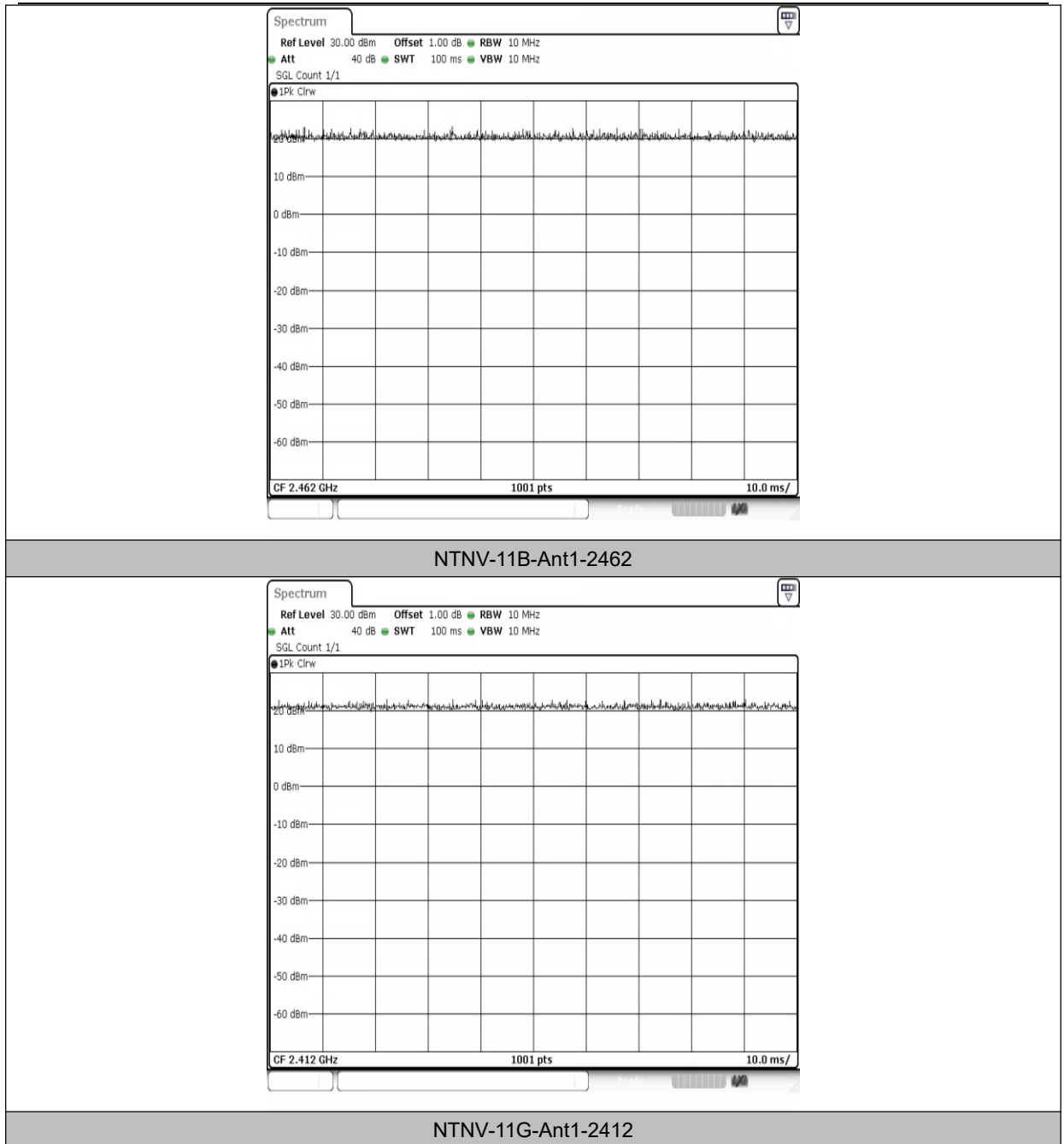
Test Graphs



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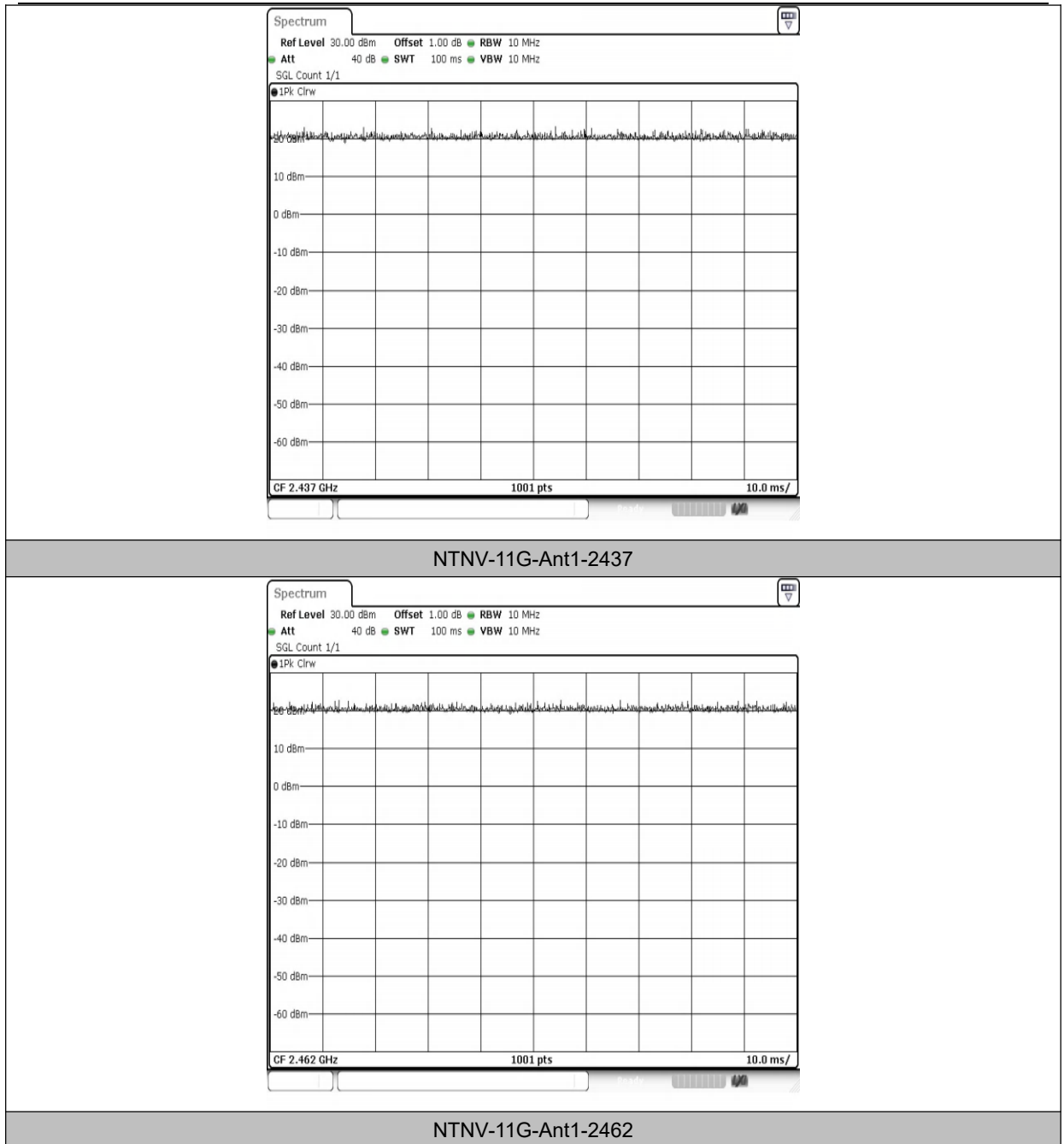
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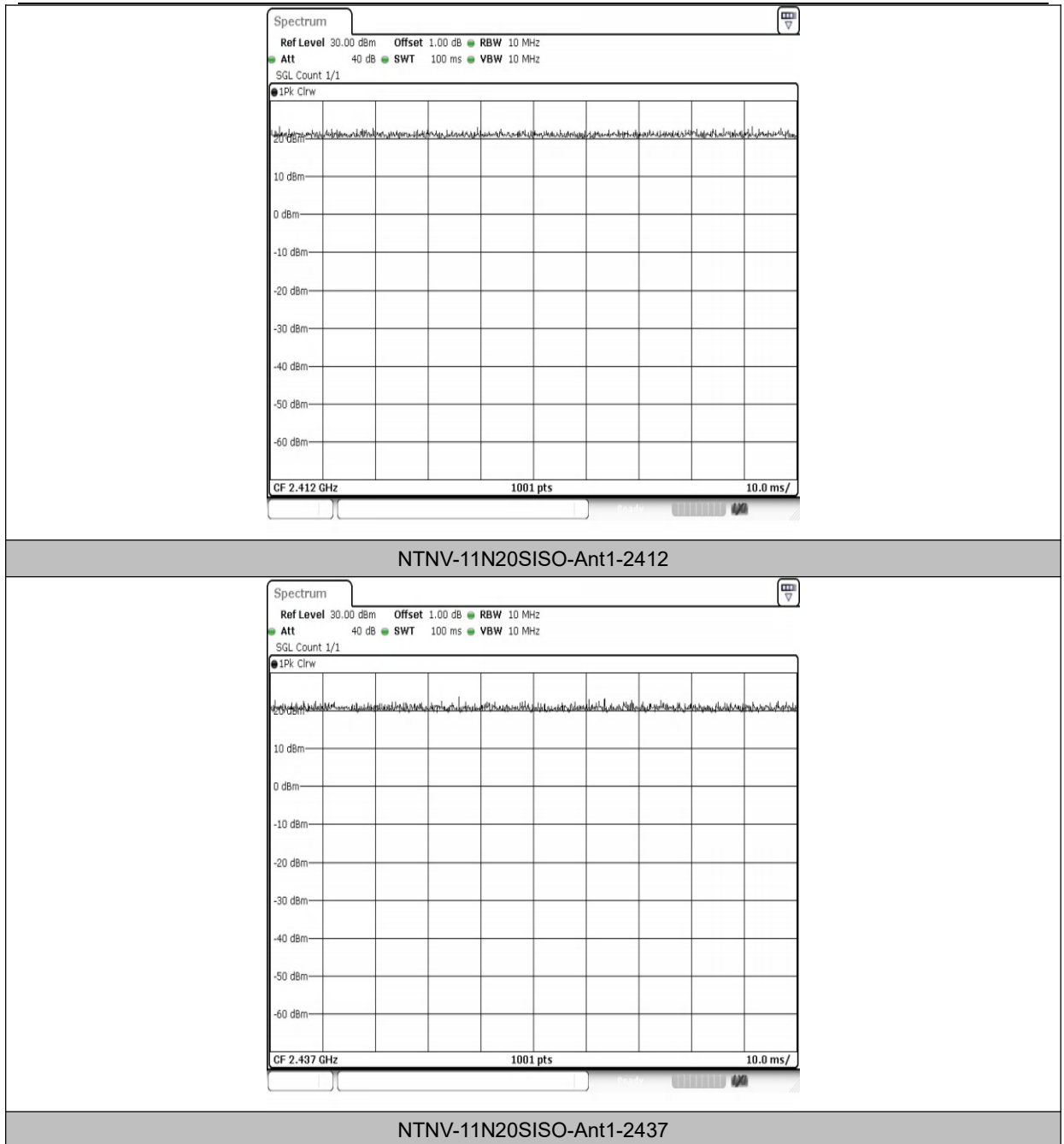
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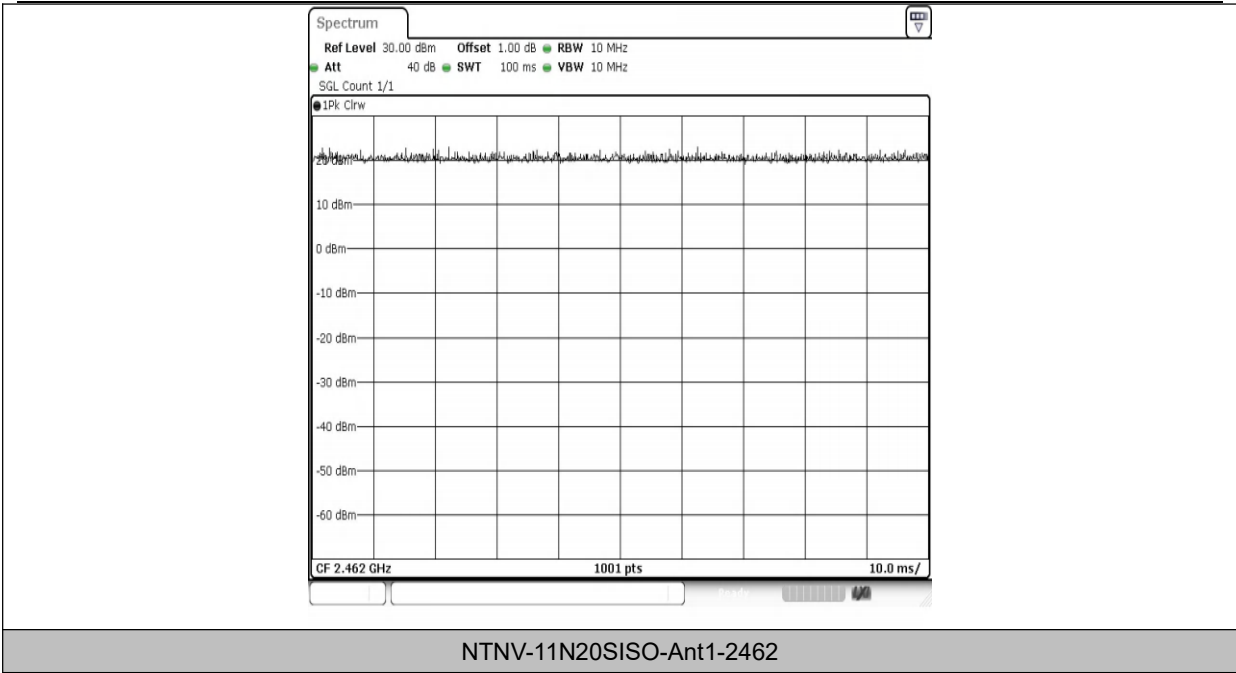
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---End---