

Appendix Test Data

Report No.:	1812C50581012502-01	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		

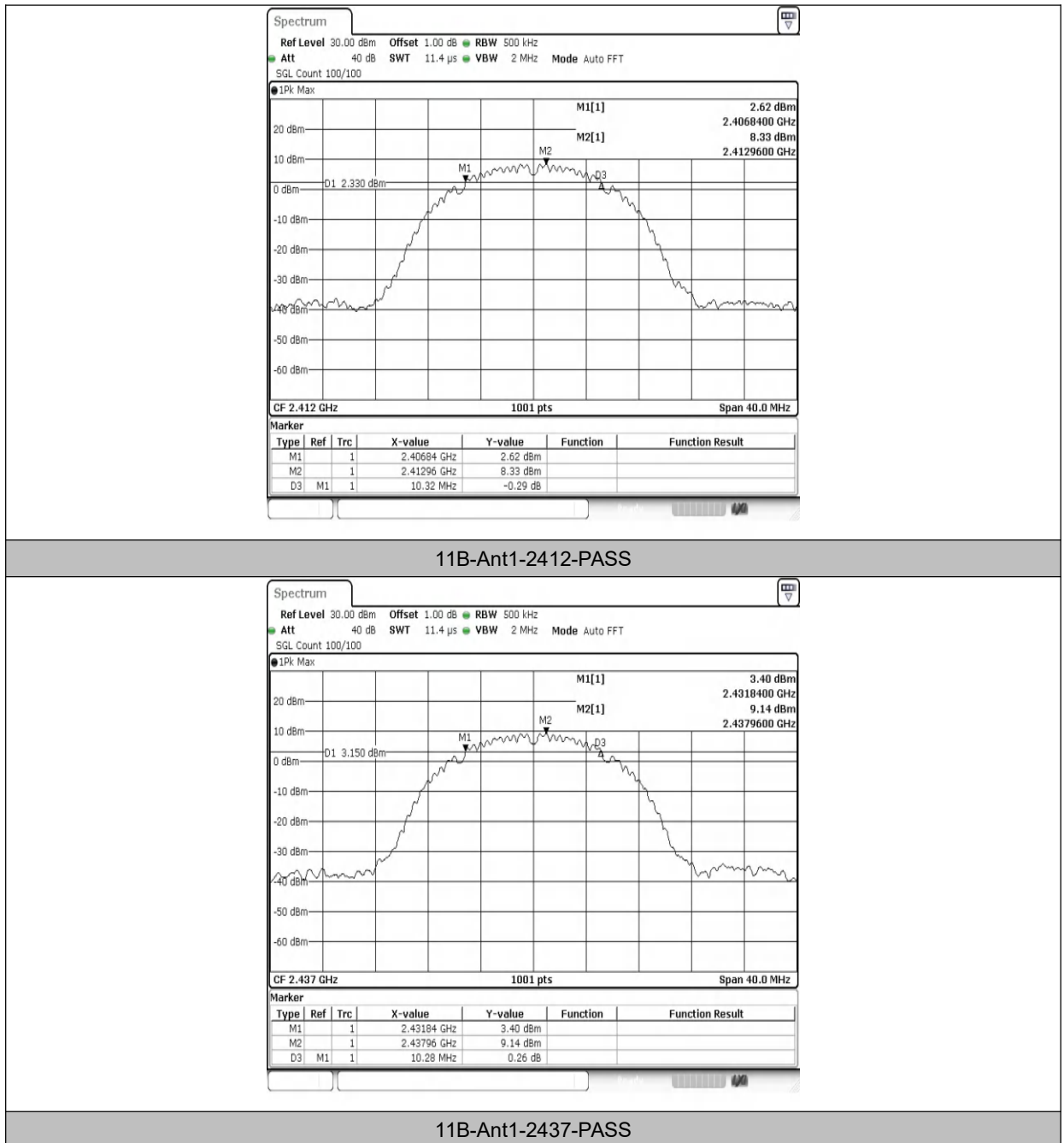


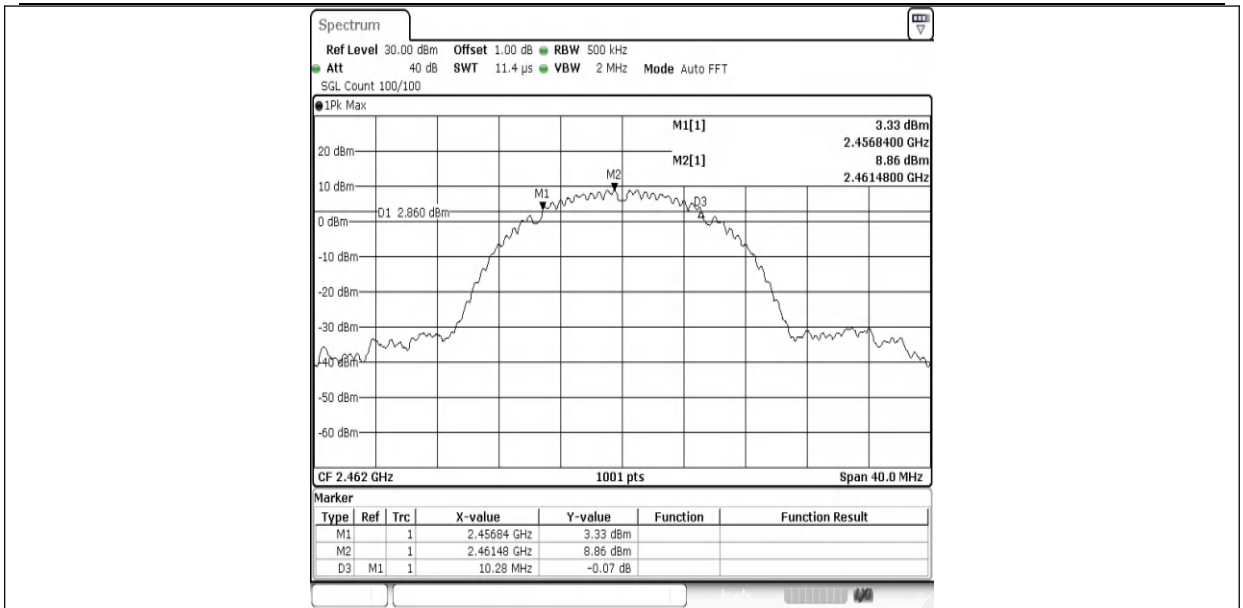
Appendix A: 6dB Bandwidth

Test Result

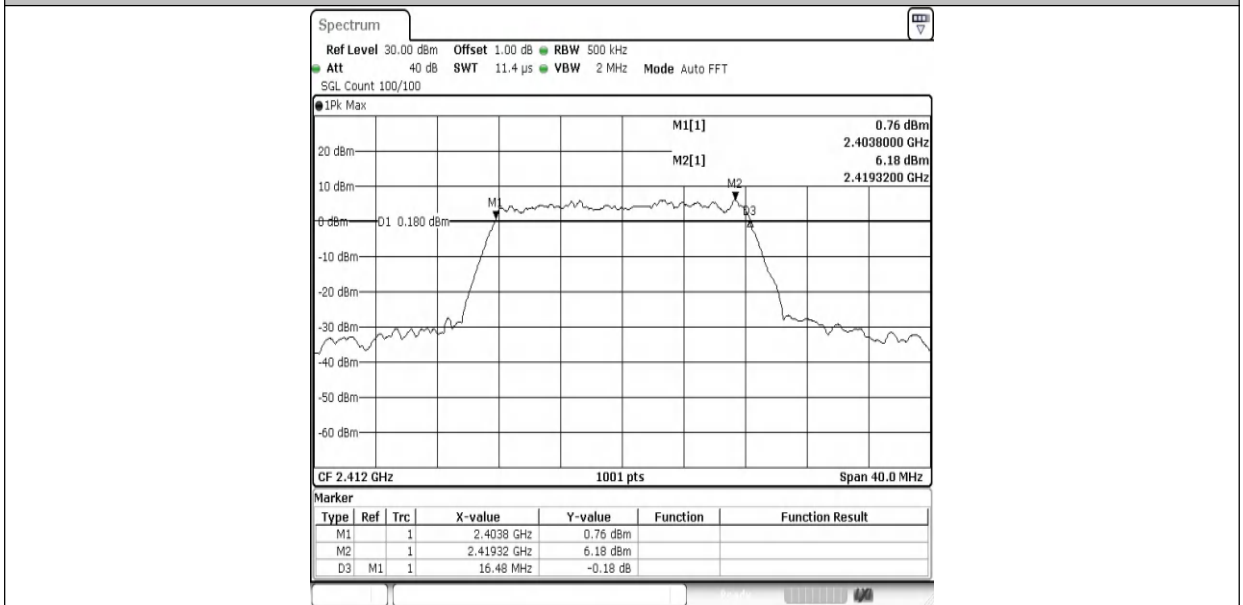
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.32	2406.84	2417.16	0.5	PASS
11B	Ant1	2437	10.28	2431.84	2442.12	0.5	PASS
11B	Ant1	2462	10.28	2456.84	2467.12	0.5	PASS
11G	Ant1	2412	16.48	2403.80	2420.28	0.5	PASS
11G	Ant1	2437	16.52	2428.80	2445.32	0.5	PASS
11G	Ant1	2462	16.56	2453.72	2470.28	0.5	PASS
11N20SISO	Ant1	2412	17.68	2403.24	2420.92	0.5	PASS
11N20SISO	Ant1	2437	17.84	2428.16	2446.00	0.5	PASS
11N20SISO	Ant1	2462	17.48	2453.16	2470.64	0.5	PASS

Test Graphs

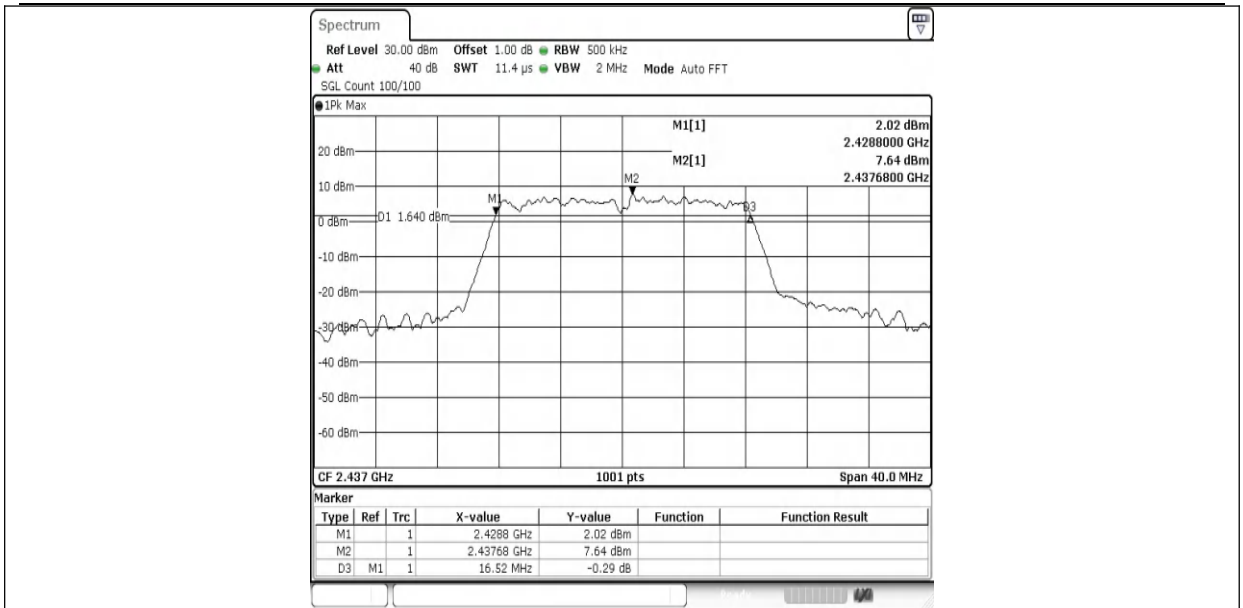




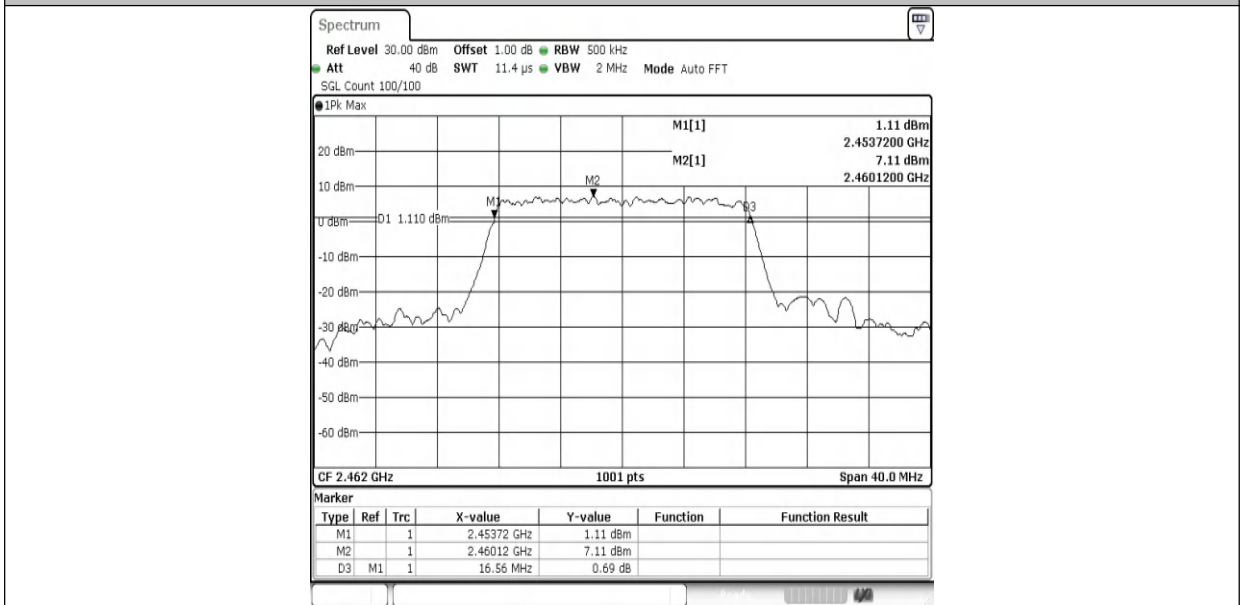
11B-Ant1-2462-PASS



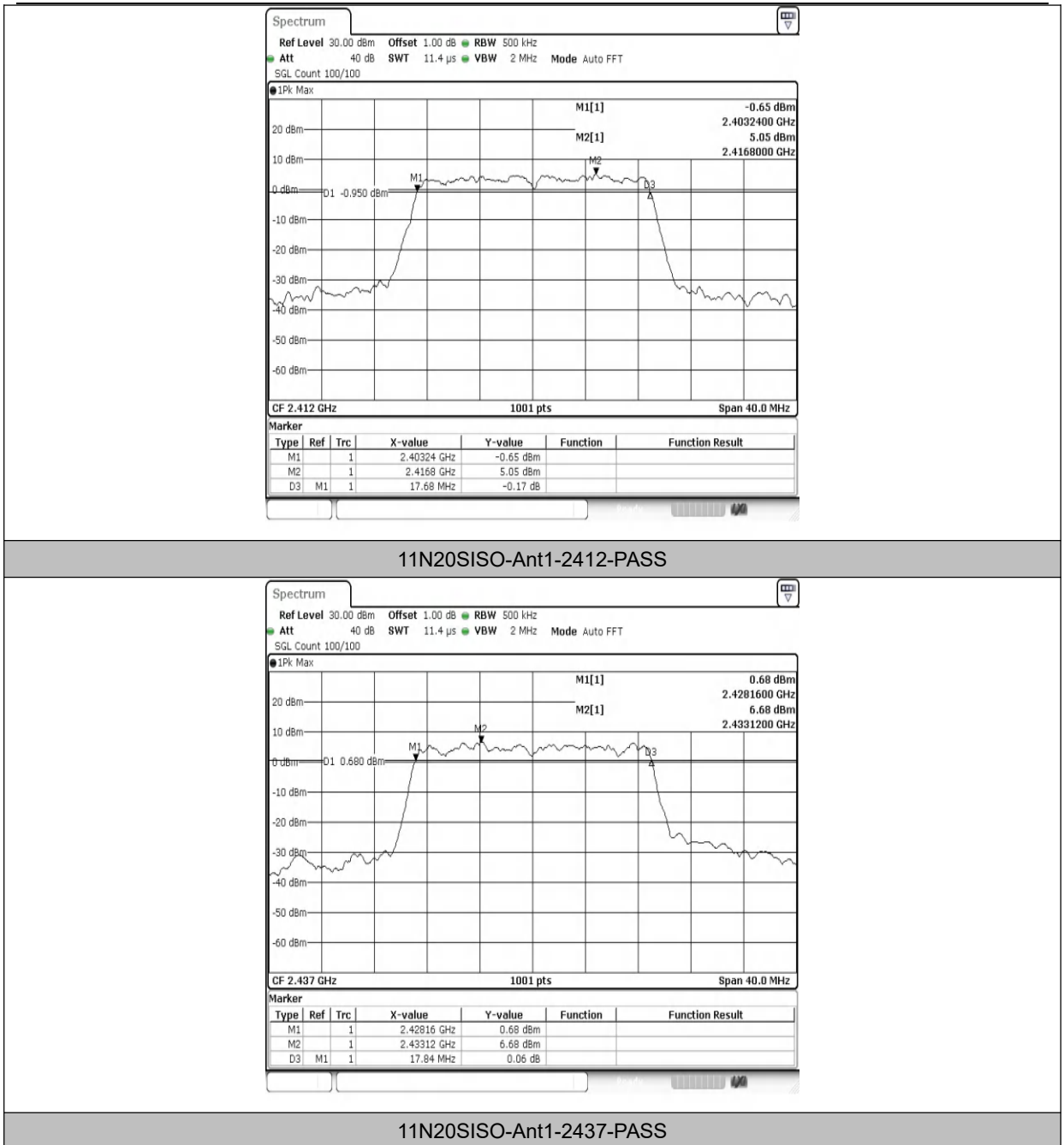
11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS





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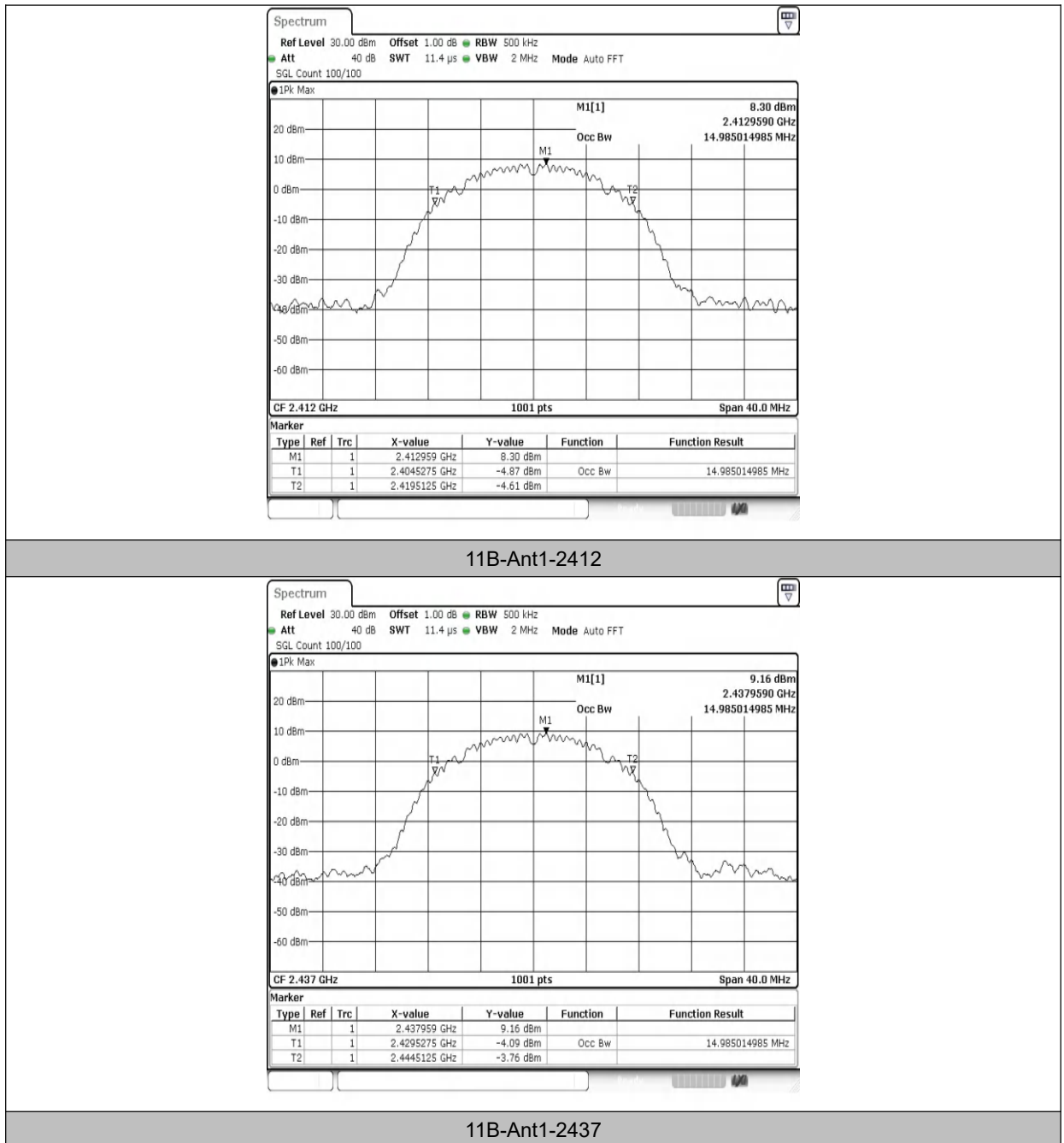
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Appendix B: 99% Occupied Bandwidth

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	15.025	2454.4875	2469.5125	---	---
11G	Ant1	2412	16.943	2403.5285	2420.4715	---	---
11G	Ant1	2437	16.863	2428.6084	2445.4715	---	---
11G	Ant1	2462	16.783	2453.5285	2470.3117	---	---
11N20SISO	Ant1	2412	17.782	2403.1688	2420.9510	---	---
11N20SISO	Ant1	2437	17.742	2428.1289	2445.8711	---	---
11N20SISO	Ant1	2462	17.782	2453.0090	2470.7912	---	---

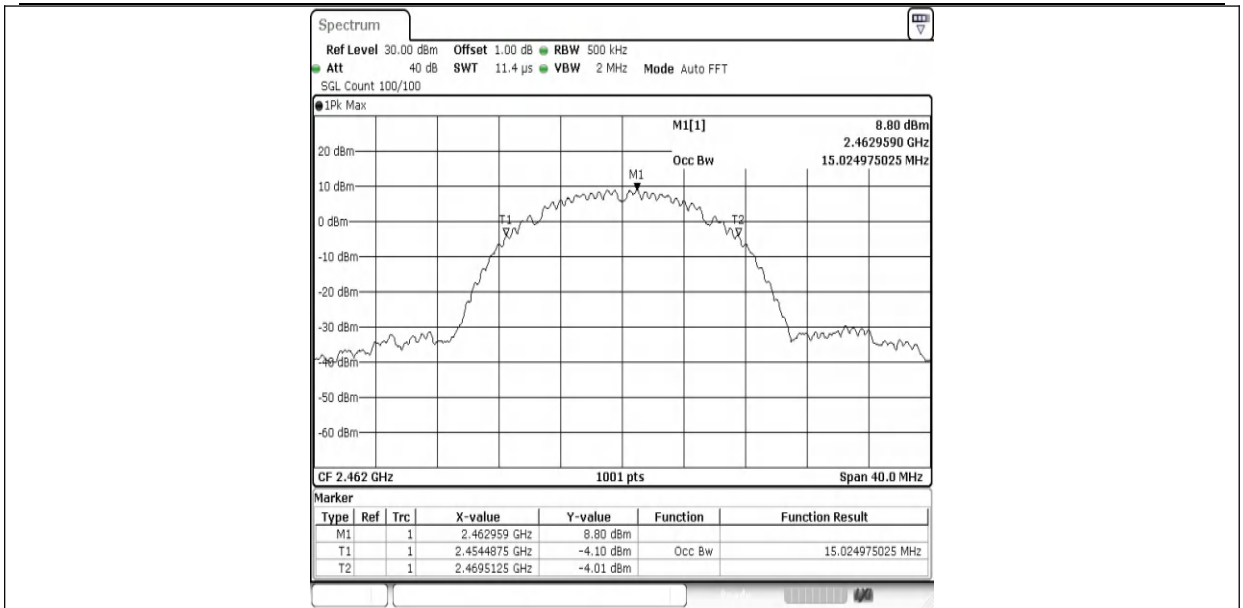
Test Graphs



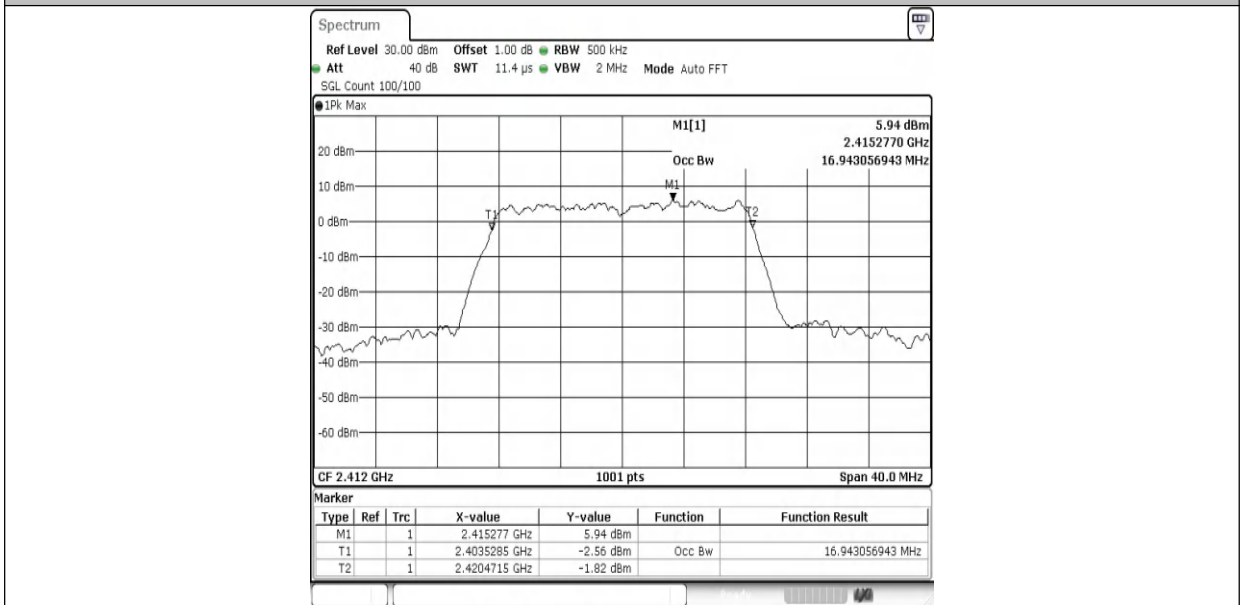
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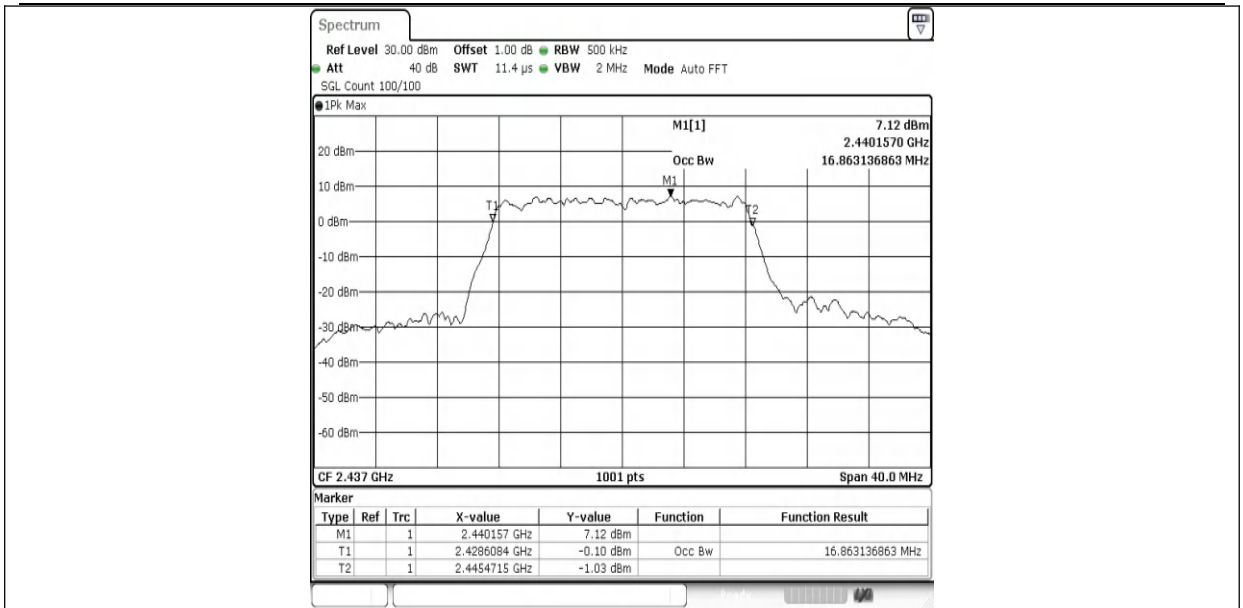
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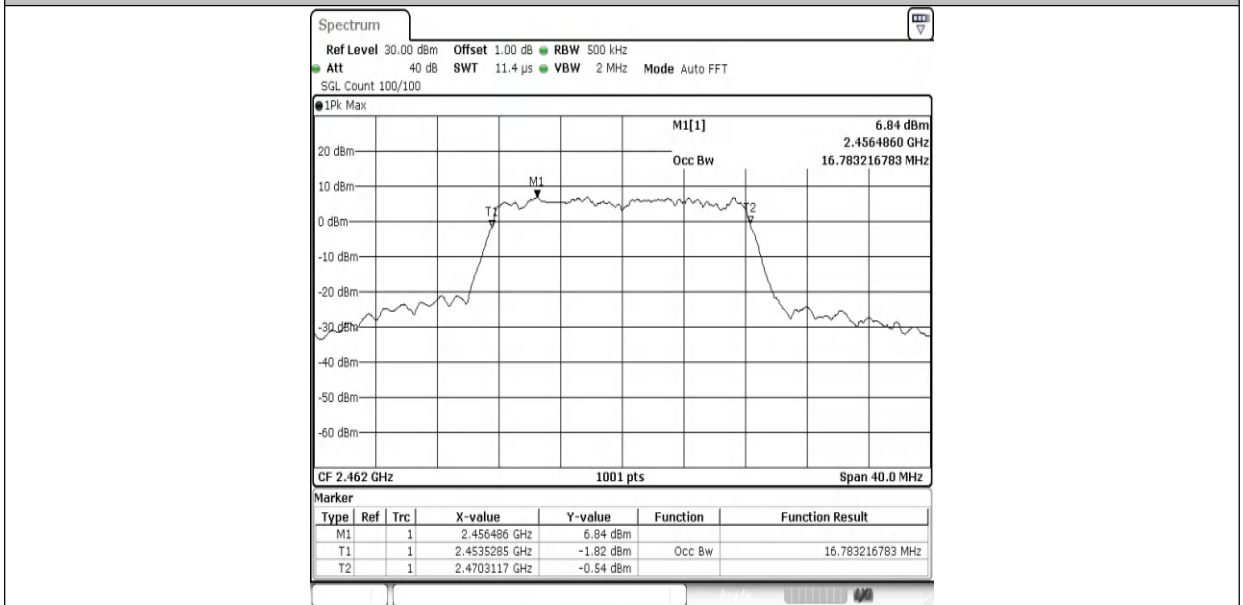
11B-Ant1-2462



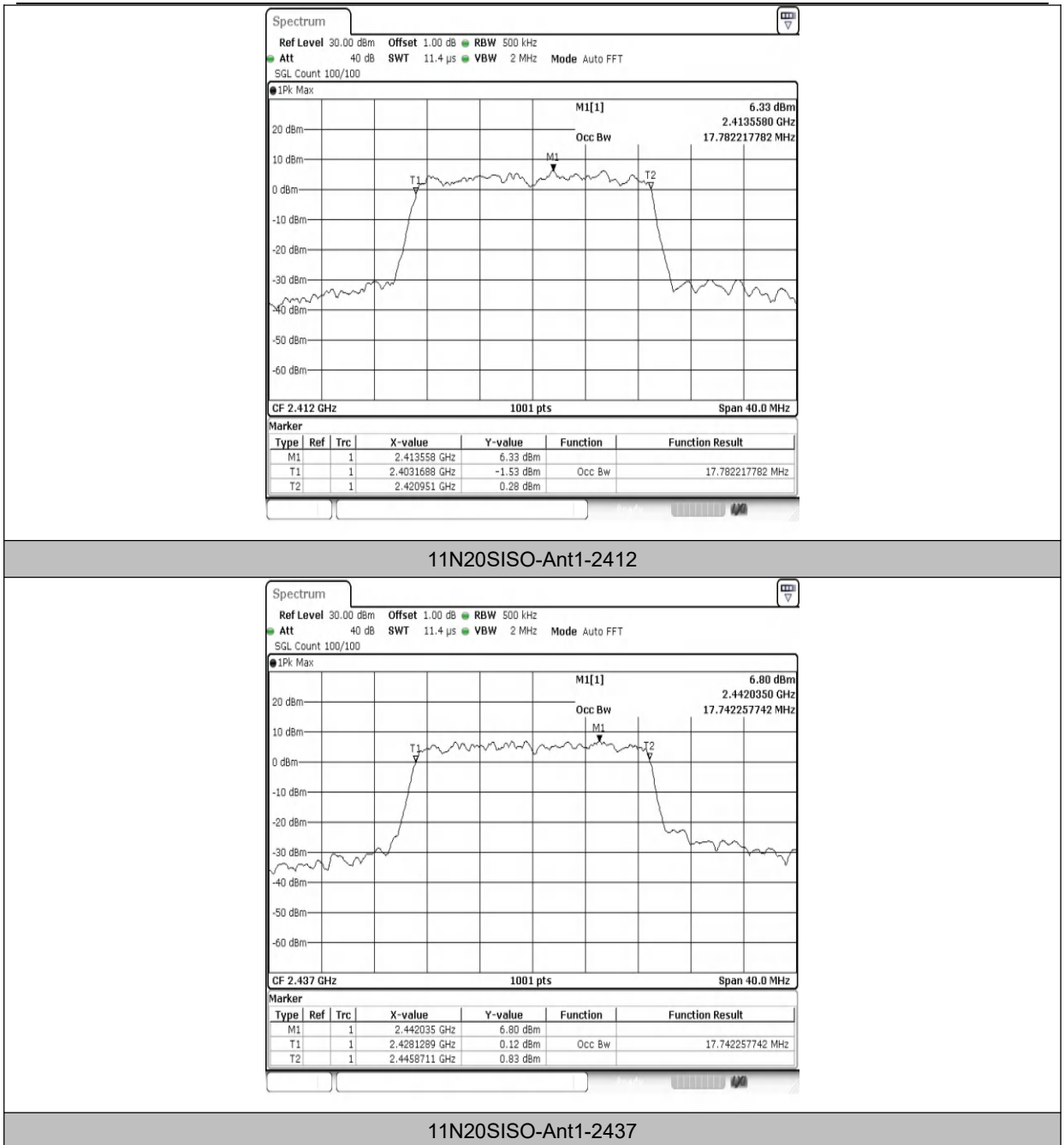
11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462





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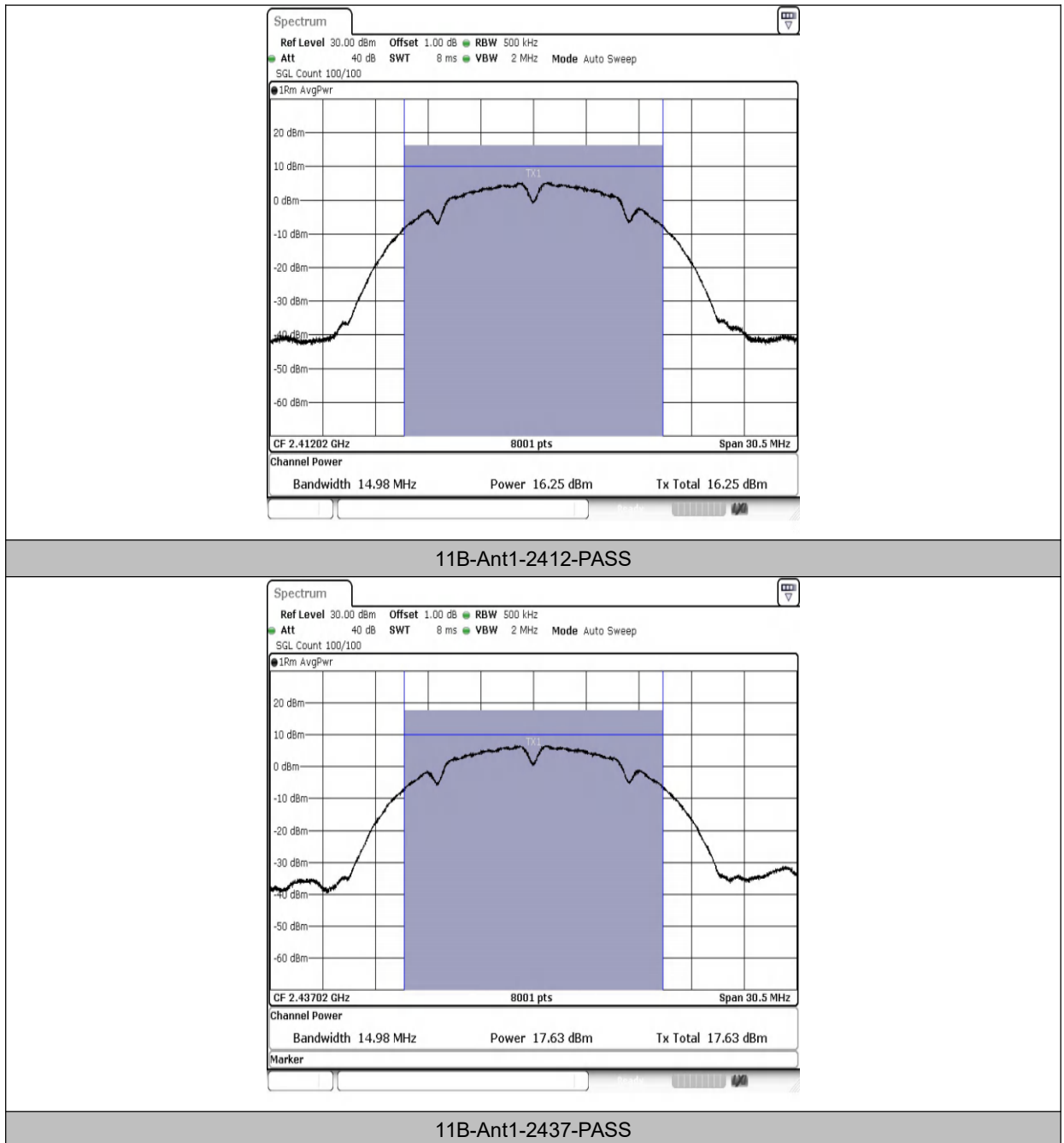
Appendix C: Maximum conducted output power

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	16.25	100.00	0.00	16.25	≤30.00	PASS
11B	Ant1	2437	NA	17.63	100.00	0.00	17.63	≤30.00	PASS
11B	Ant1	2462	NA	17.49	100.00	0.00	17.49	≤30.00	PASS
11G	Ant1	2412	NA	13.91	100.00	0.00	13.91	≤30.00	PASS
11G	Ant1	2437	NA	15.12	100.00	0.00	15.12	≤30.00	PASS
11G	Ant1	2462	NA	15.02	100.00	0.00	15.02	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.77	100.00	0.00	12.77	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.18	100.00	0.00	14.18	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.01	100.00	0.00	14.01	≤30.00	PASS

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

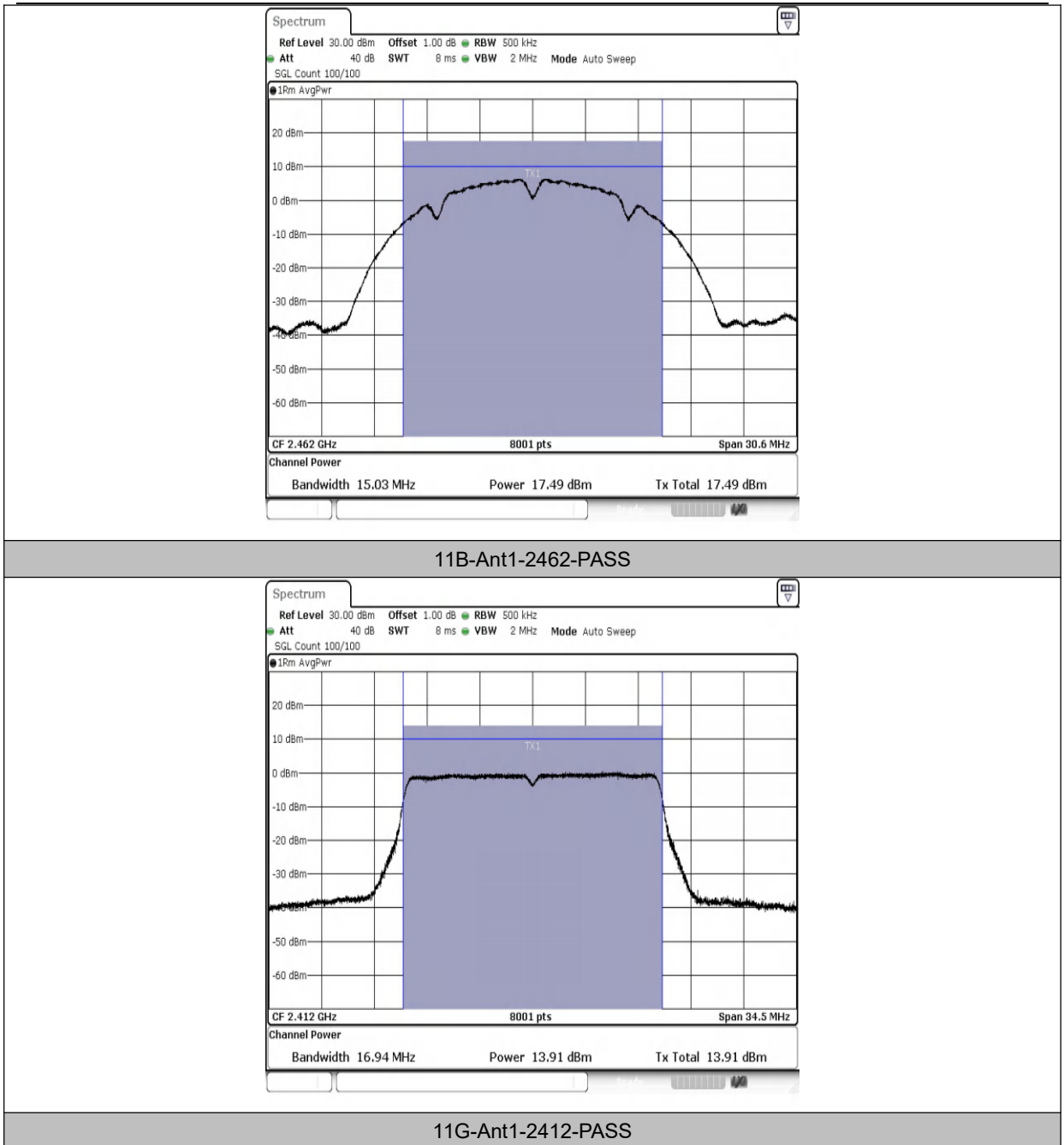
Test Graphs Average



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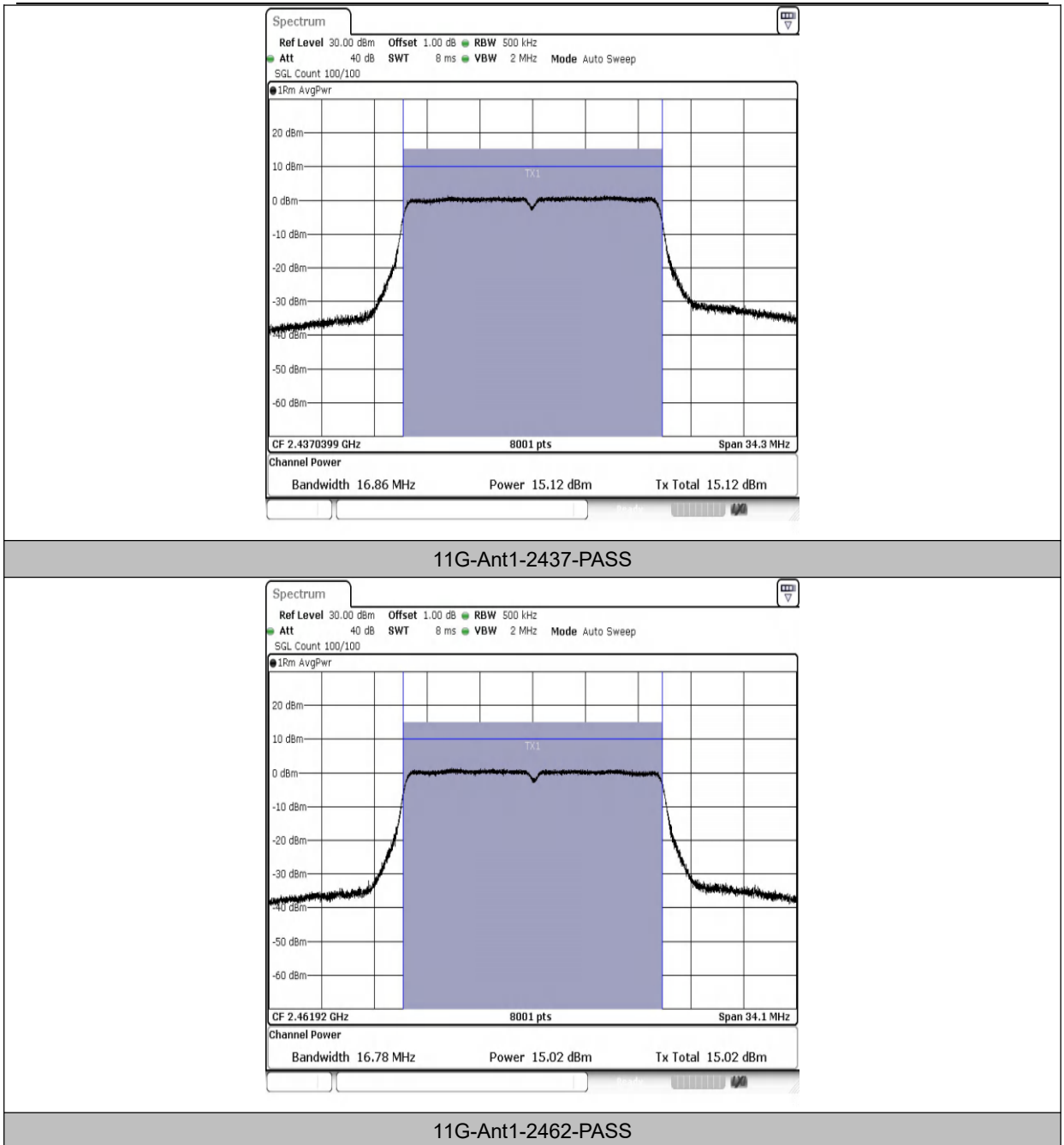
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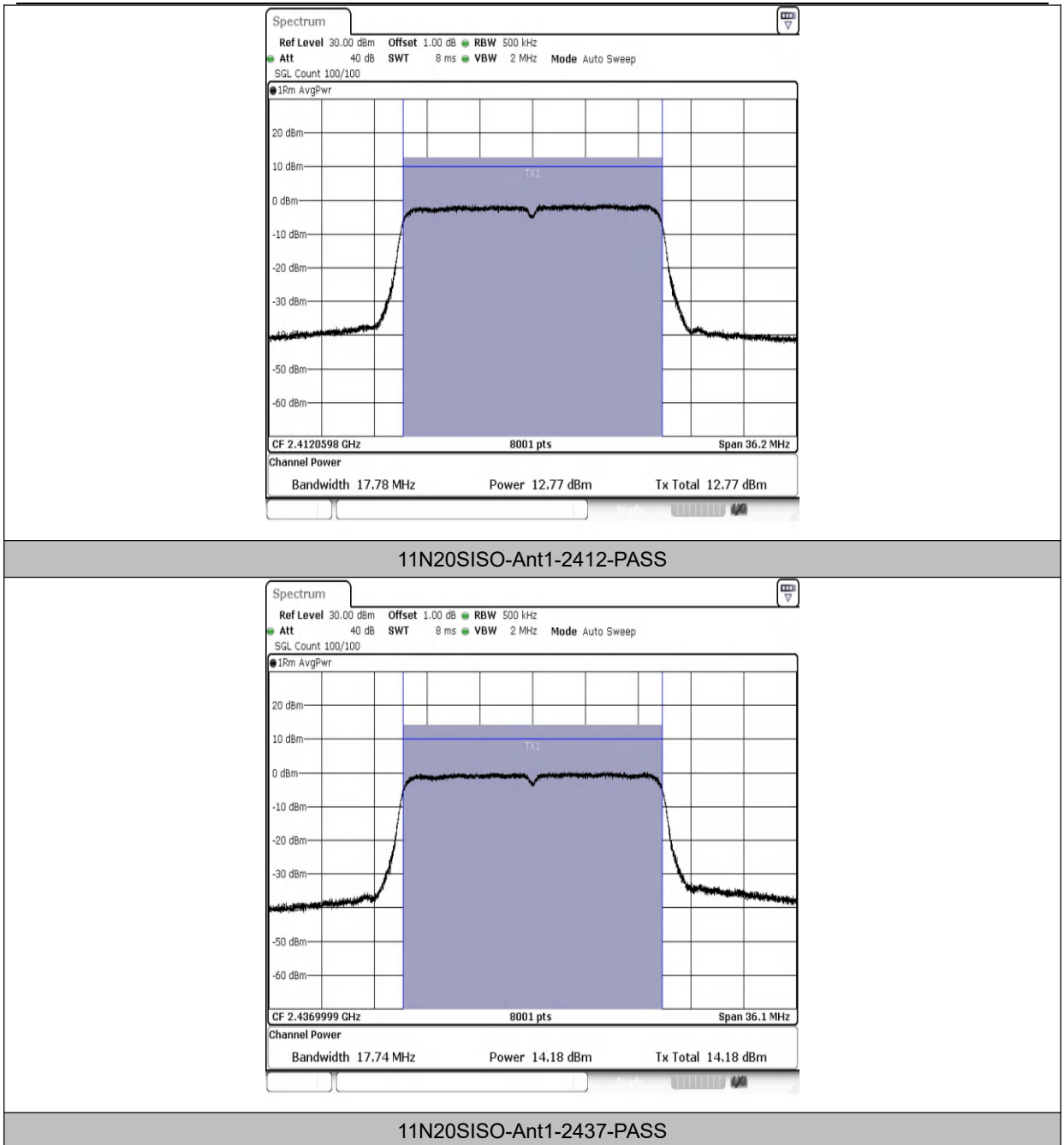
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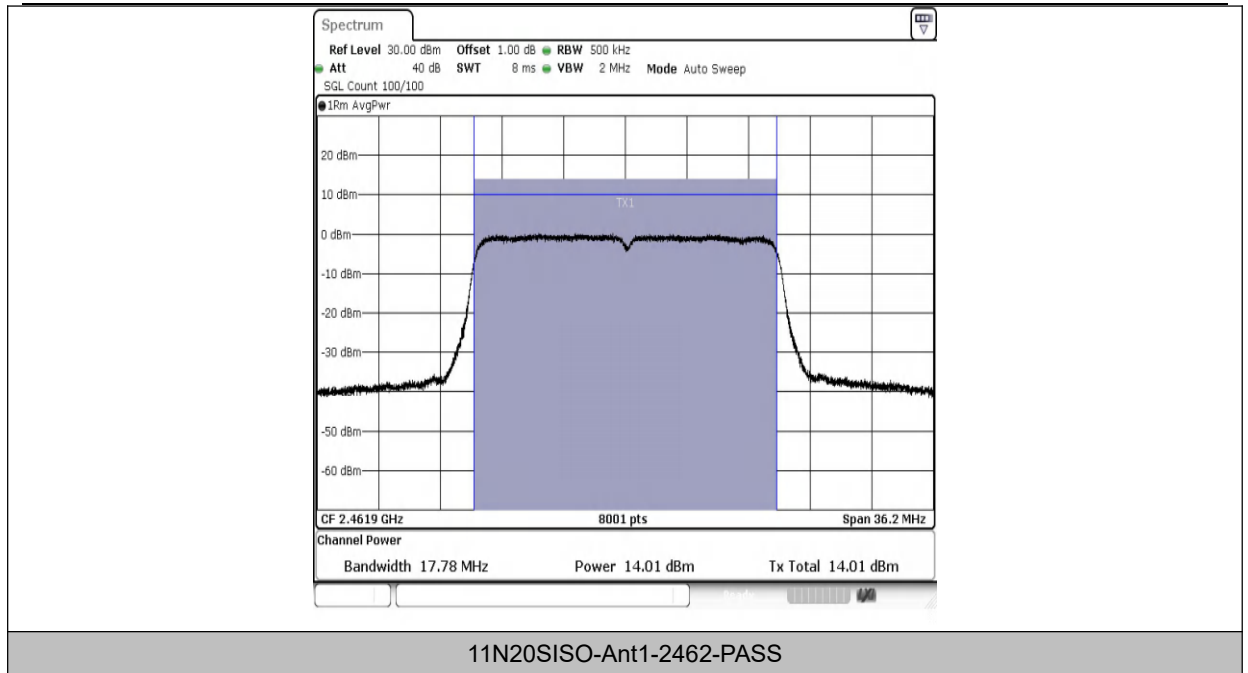
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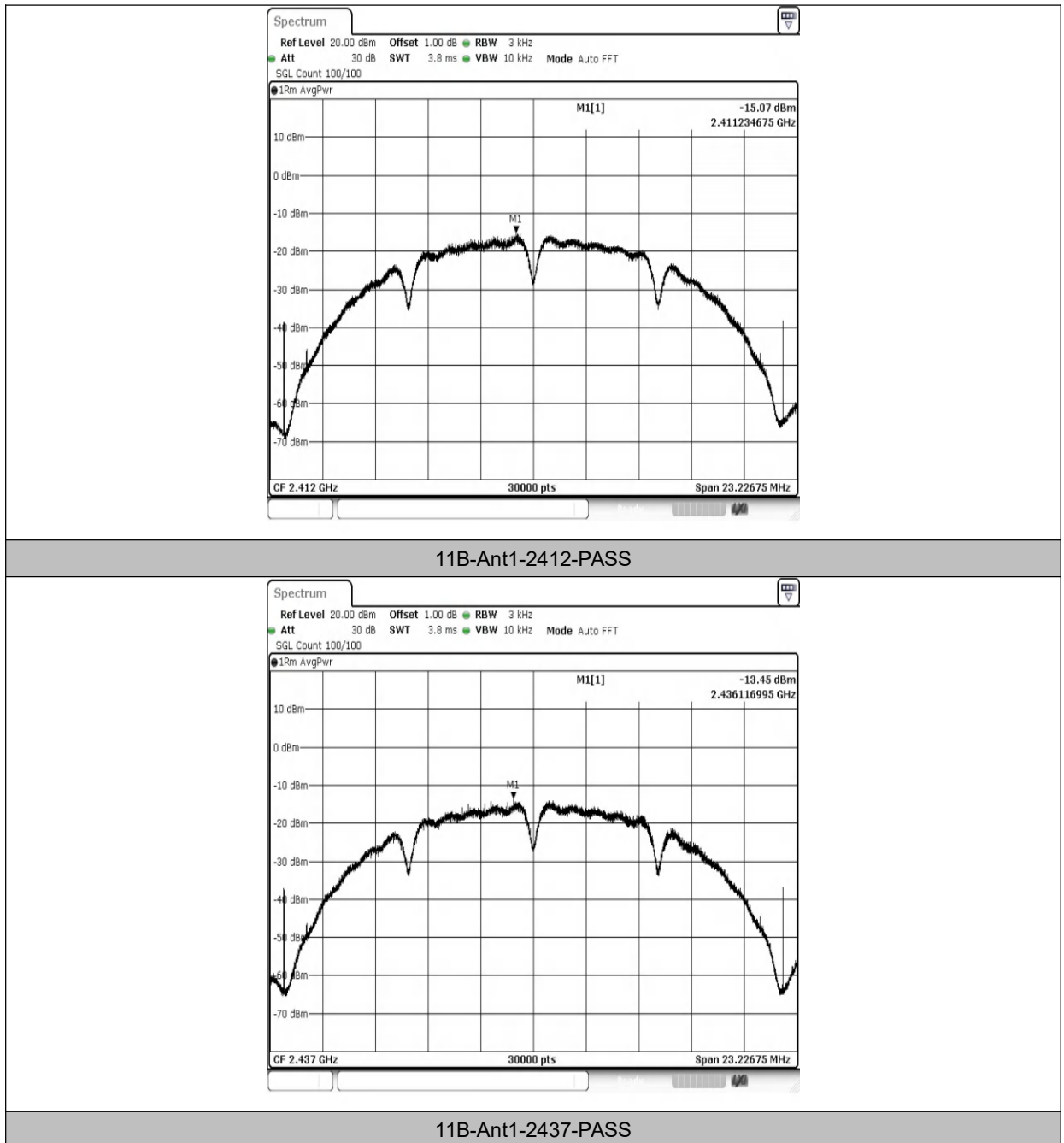
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.07	0.00	-15.07	≤8.00	PASS
11B	Ant1	2437	-13.45	0.00	-13.45	≤8.00	PASS
11B	Ant1	2462	-14.28	0.00	-14.28	≤8.00	PASS
11G	Ant1	2412	-19.93	0.00	-19.93	≤8.00	PASS
11G	Ant1	2437	-18.96	0.00	-18.96	≤8.00	PASS
11G	Ant1	2462	-17.25	0.00	-17.25	≤8.00	PASS
11N20SISO	Ant1	2412	-19.43	0.00	-19.43	≤8.00	PASS
11N20SISO	Ant1	2437	-18.74	0.00	-18.74	≤8.00	PASS
11N20SISO	Ant1	2462	-18.27	0.00	-18.27	≤8.00	PASS

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

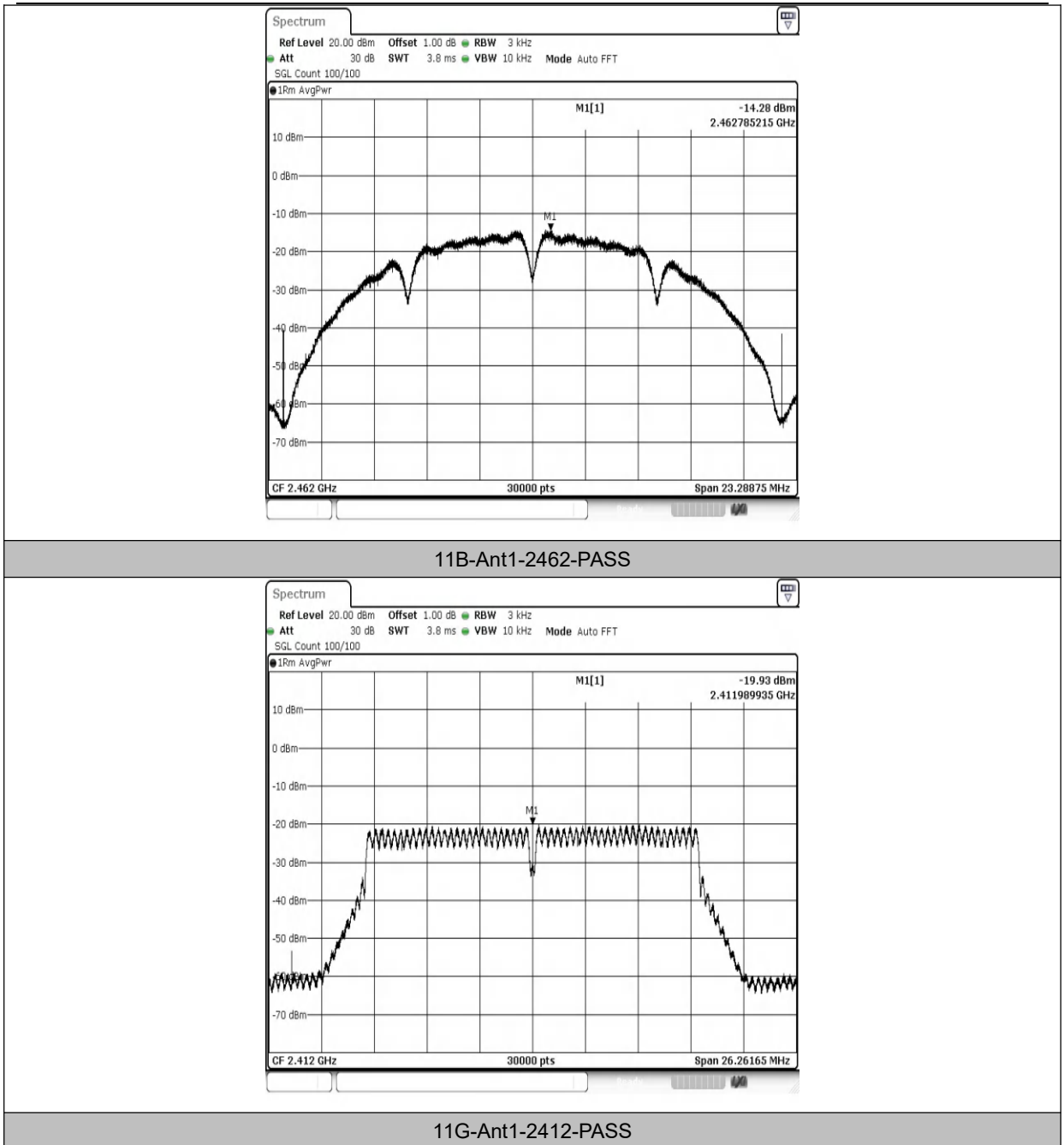
Test Graphs



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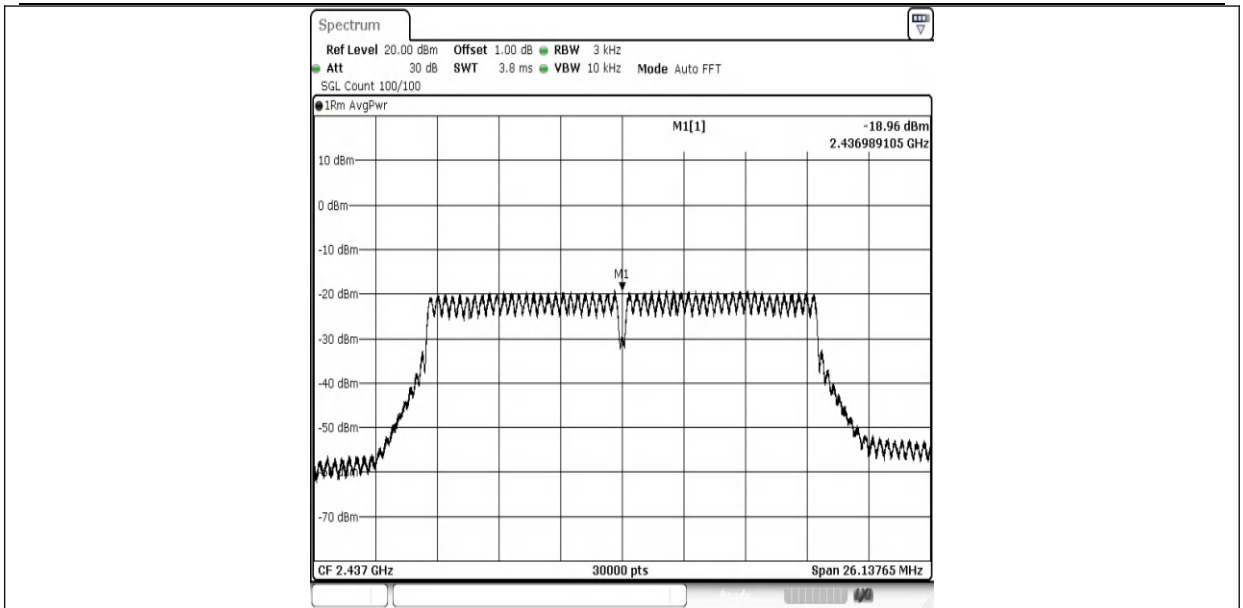
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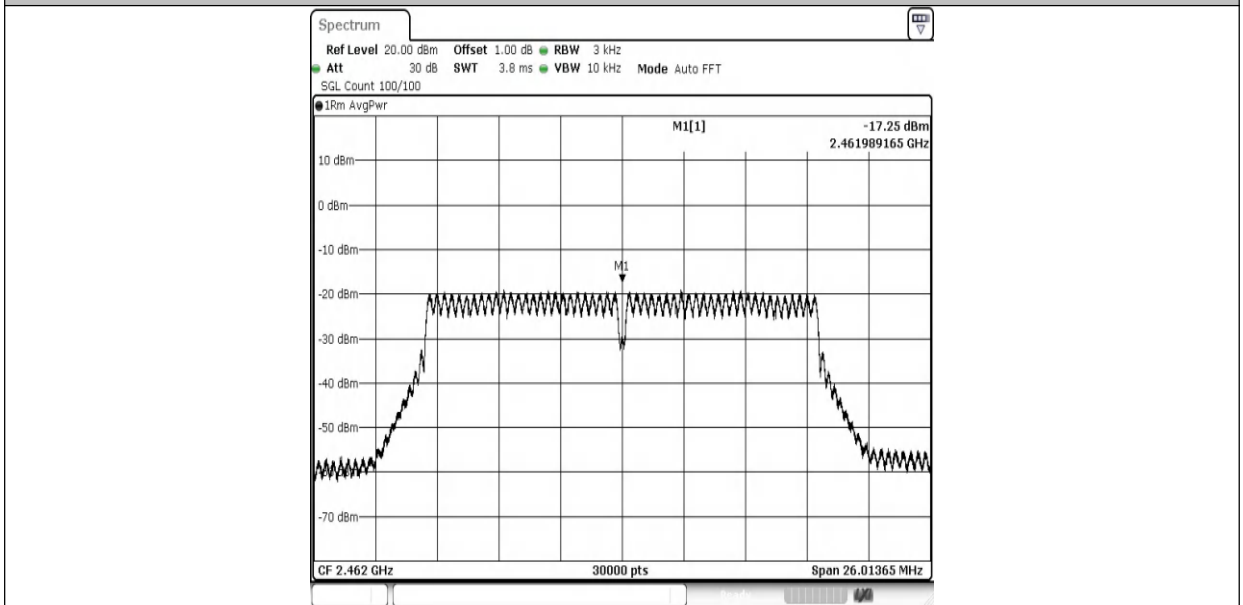
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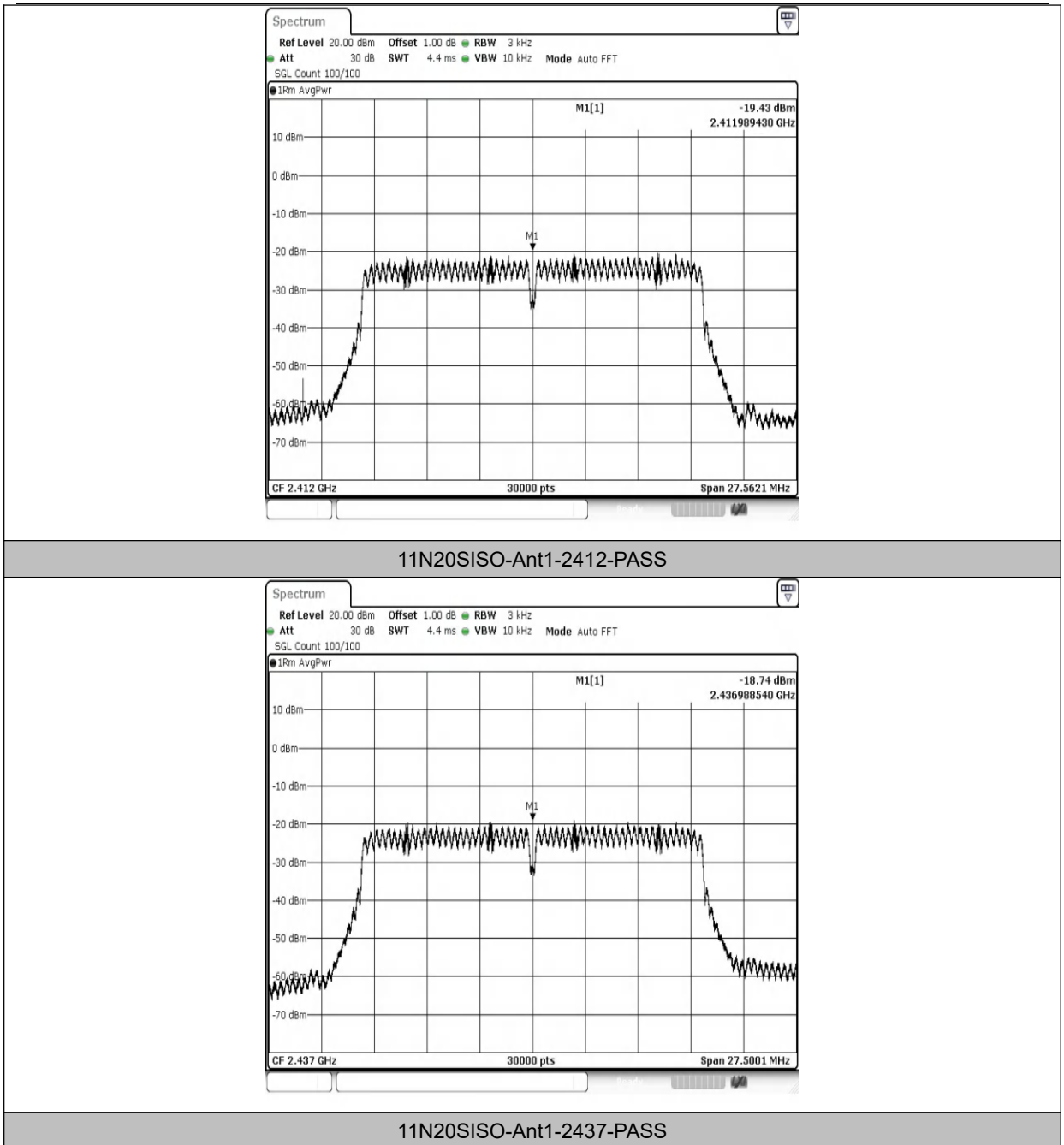
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11G-Ant1-2437-PASS



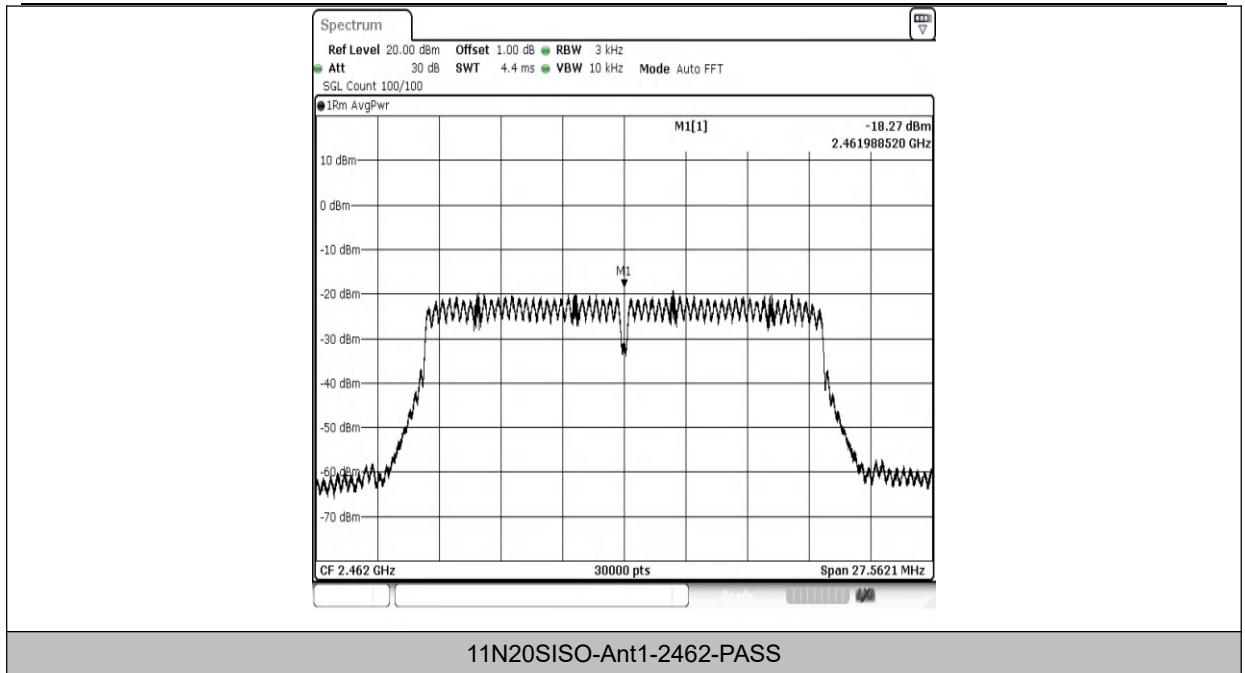
11G-Ant1-2462-PASS



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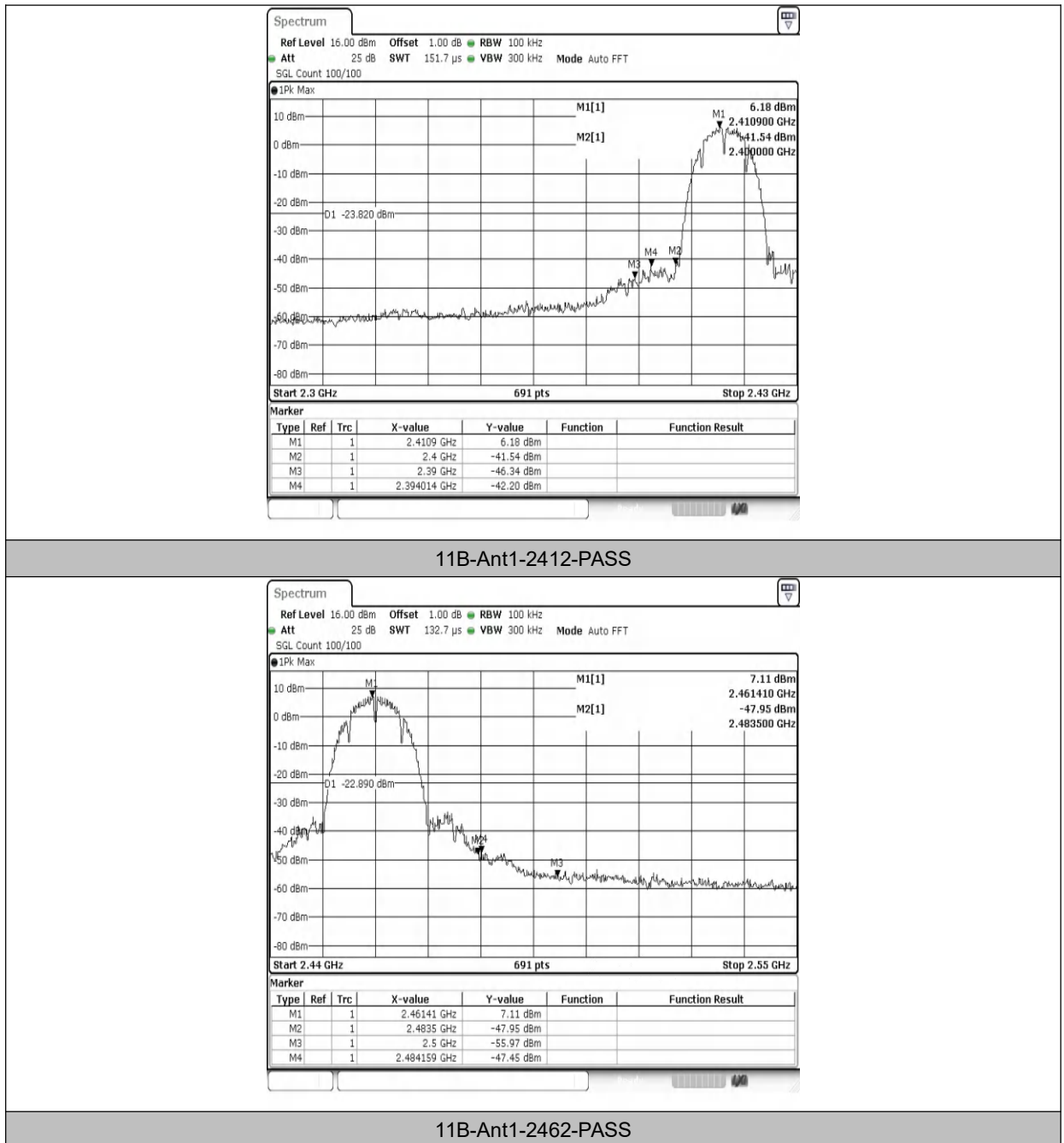
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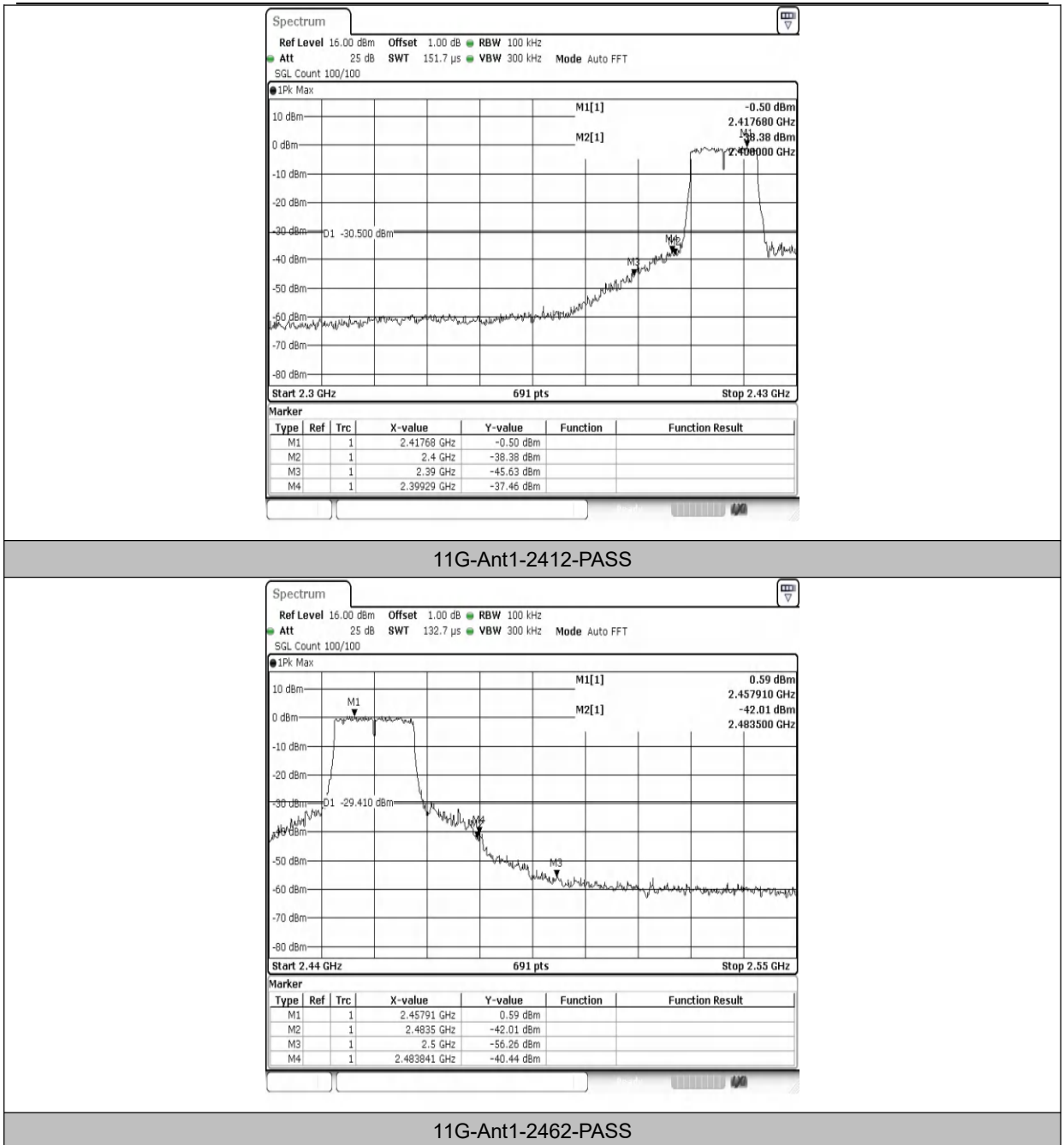
Appendix E: Conducted Band edge

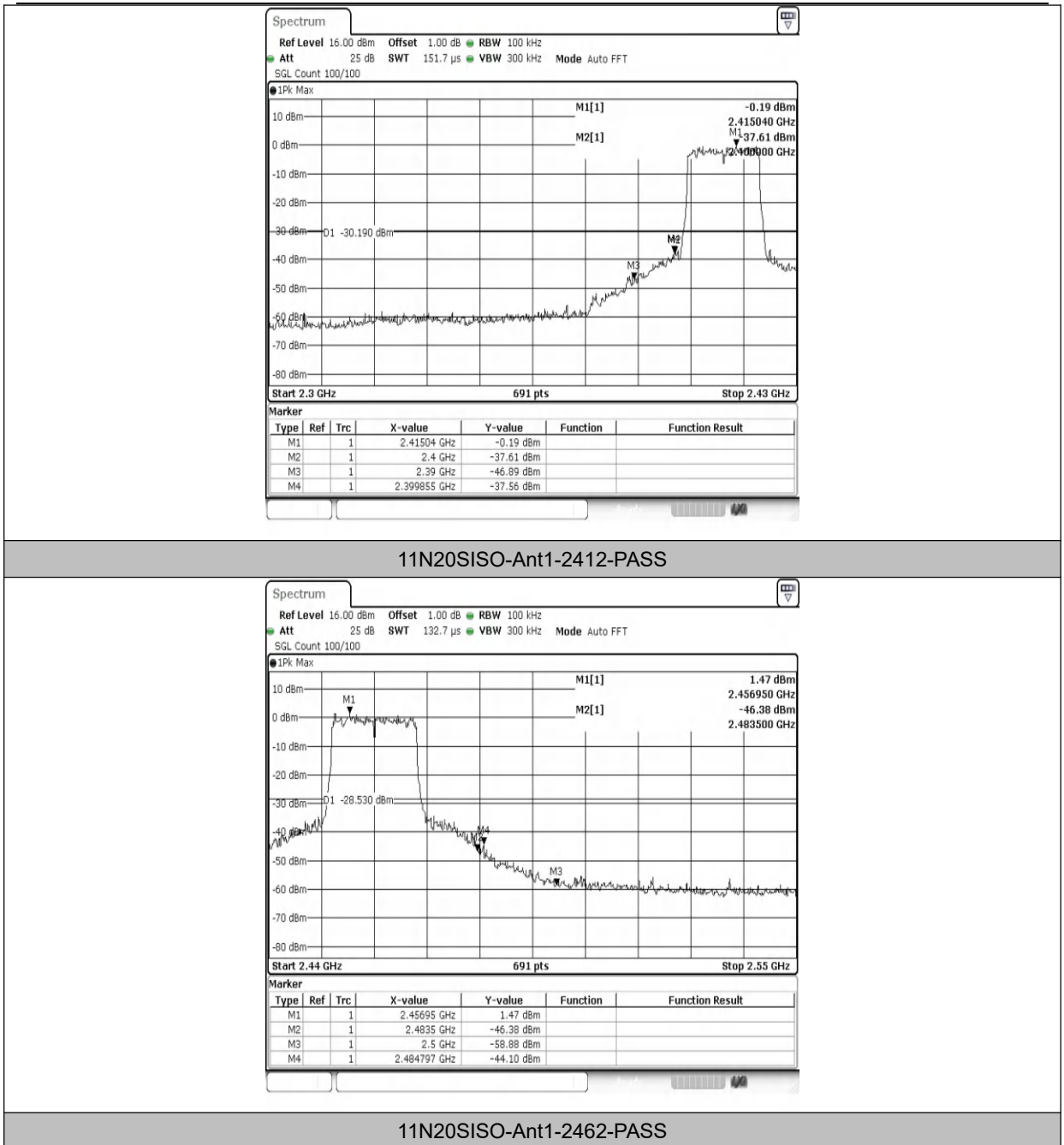
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.18	-42.2	≤ -23.82	PASS
11B	Ant1	High	2462	7.11	-47.45	≤ -22.89	PASS
11G	Ant1	Low	2412	-0.50	-37.46	≤ -30.5	PASS
11G	Ant1	High	2462	0.59	-40.44	≤ -29.41	PASS
11N20SISO	Ant1	Low	2412	-0.19	-37.56	≤ -30.19	PASS
11N20SISO	Ant1	High	2462	1.47	-44.1	≤ -28.53	PASS

Test Graphs







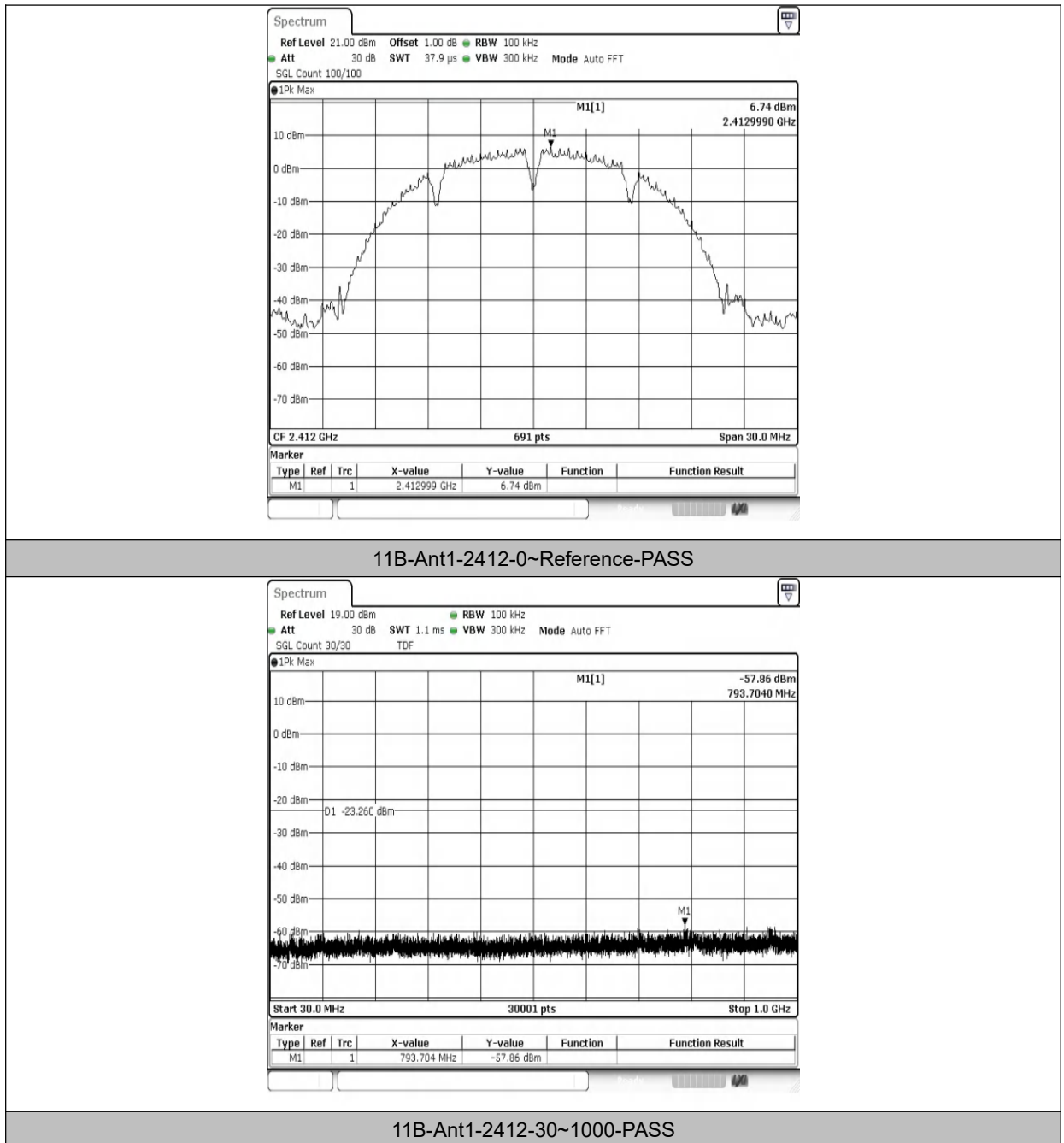
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.74	6.74	---	PASS
11B	Ant1	2412	30~1000	6.74	-57.86	≤-23.26	PASS
11B	Ant1	2412	1000~26500	6.74	-38.45	≤-23.26	PASS
11B	Ant1	2437	0~Reference	7.19	7.19	---	PASS
11B	Ant1	2437	30~1000	7.19	-58.54	≤-22.81	PASS
11B	Ant1	2437	1000~26500	7.19	-37.8	≤-22.81	PASS
11B	Ant1	2462	0~Reference	7.23	7.23	---	PASS
11B	Ant1	2462	30~1000	7.23	-57.98	≤-22.77	PASS
11B	Ant1	2462	1000~26500	7.23	-38.66	≤-22.77	PASS
11G	Ant1	2412	0~Reference	-0.16	-0.16	---	PASS
11G	Ant1	2412	30~1000	-0.16	-57.75	≤-30.16	PASS
11G	Ant1	2412	1000~26500	-0.16	-43.99	≤-30.16	PASS
11G	Ant1	2437	0~Reference	0.94	0.94	---	PASS
11G	Ant1	2437	30~1000	0.94	-58.5	≤-29.06	PASS
11G	Ant1	2437	1000~26500	0.94	-43.08	≤-29.06	PASS
11G	Ant1	2462	0~Reference	0.46	0.46	---	PASS
11G	Ant1	2462	30~1000	0.46	-58.14	≤-29.54	PASS
11G	Ant1	2462	1000~26500	0.46	-44.21	≤-29.54	PASS
11N20SISO	Ant1	2412	0~Reference	-0.41	-0.41	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.41	-58.55	≤-30.41	PASS
11N20SISO	Ant1	2412	1000~26500	-0.41	-44.05	≤-30.41	PASS
11N20SISO	Ant1	2437	0~Reference	3.06	3.06	---	PASS
11N20SISO	Ant1	2437	30~1000	3.06	-58.42	≤-26.94	PASS
11N20SISO	Ant1	2437	1000~26500	3.06	-43.73	≤-26.94	PASS
11N20SISO	Ant1	2462	0~Reference	0.55	0.55	---	PASS
11N20SISO	Ant1	2462	30~1000	0.55	-58.56	≤-29.45	PASS
11N20SISO	Ant1	2462	1000~26500	0.55	-43.29	≤-29.45	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.

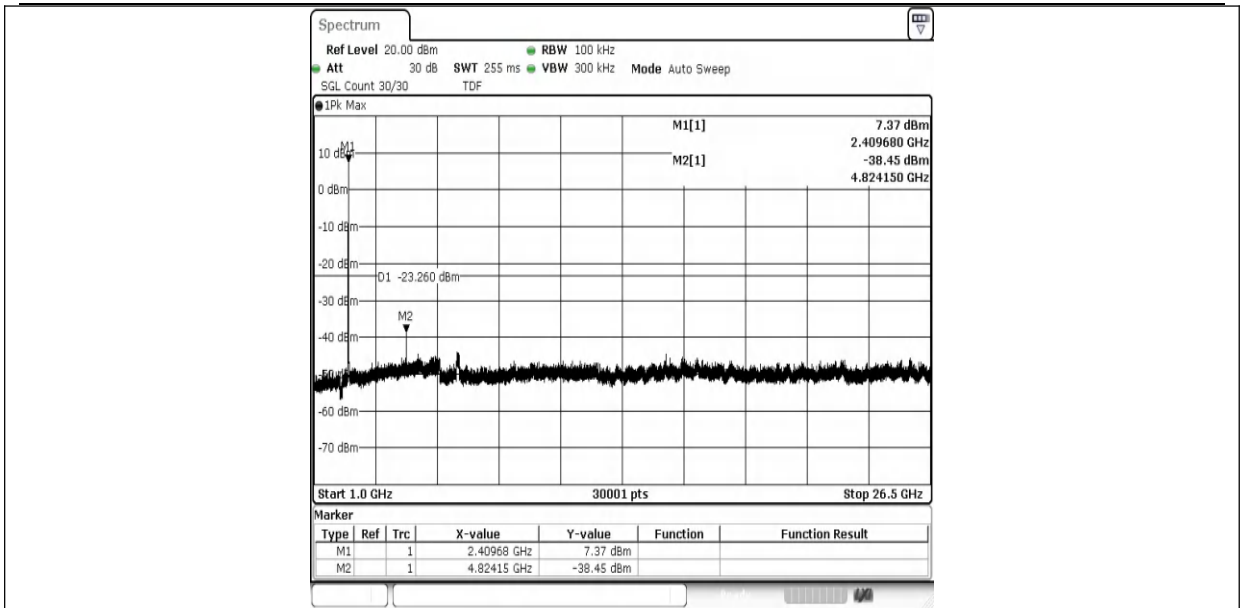
Test Graphs



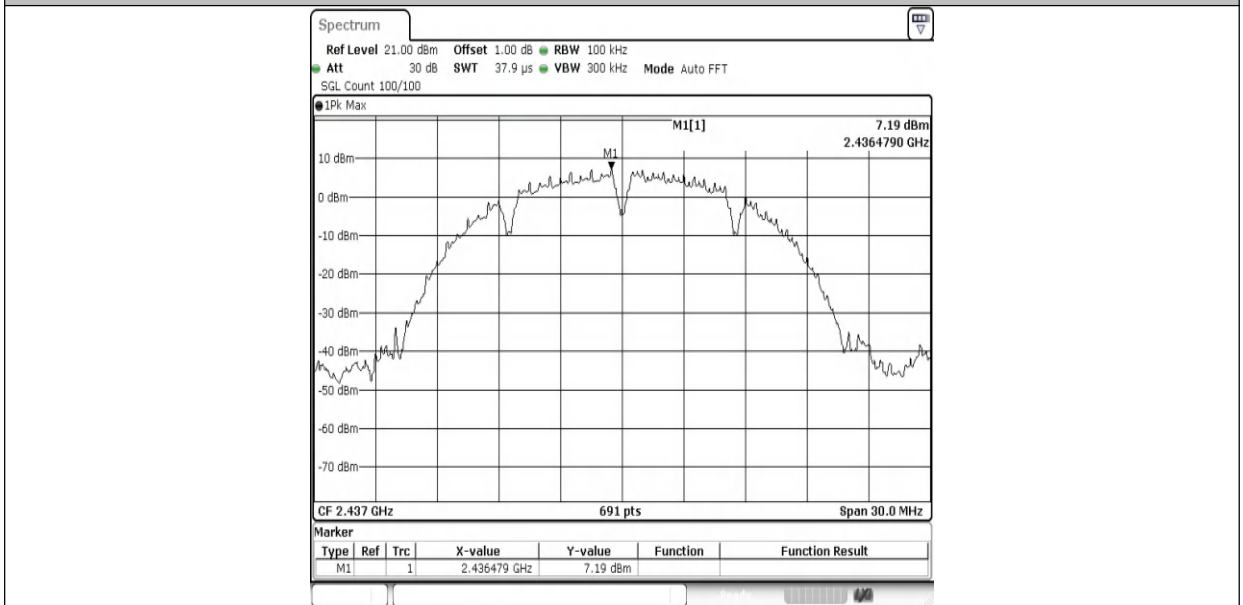
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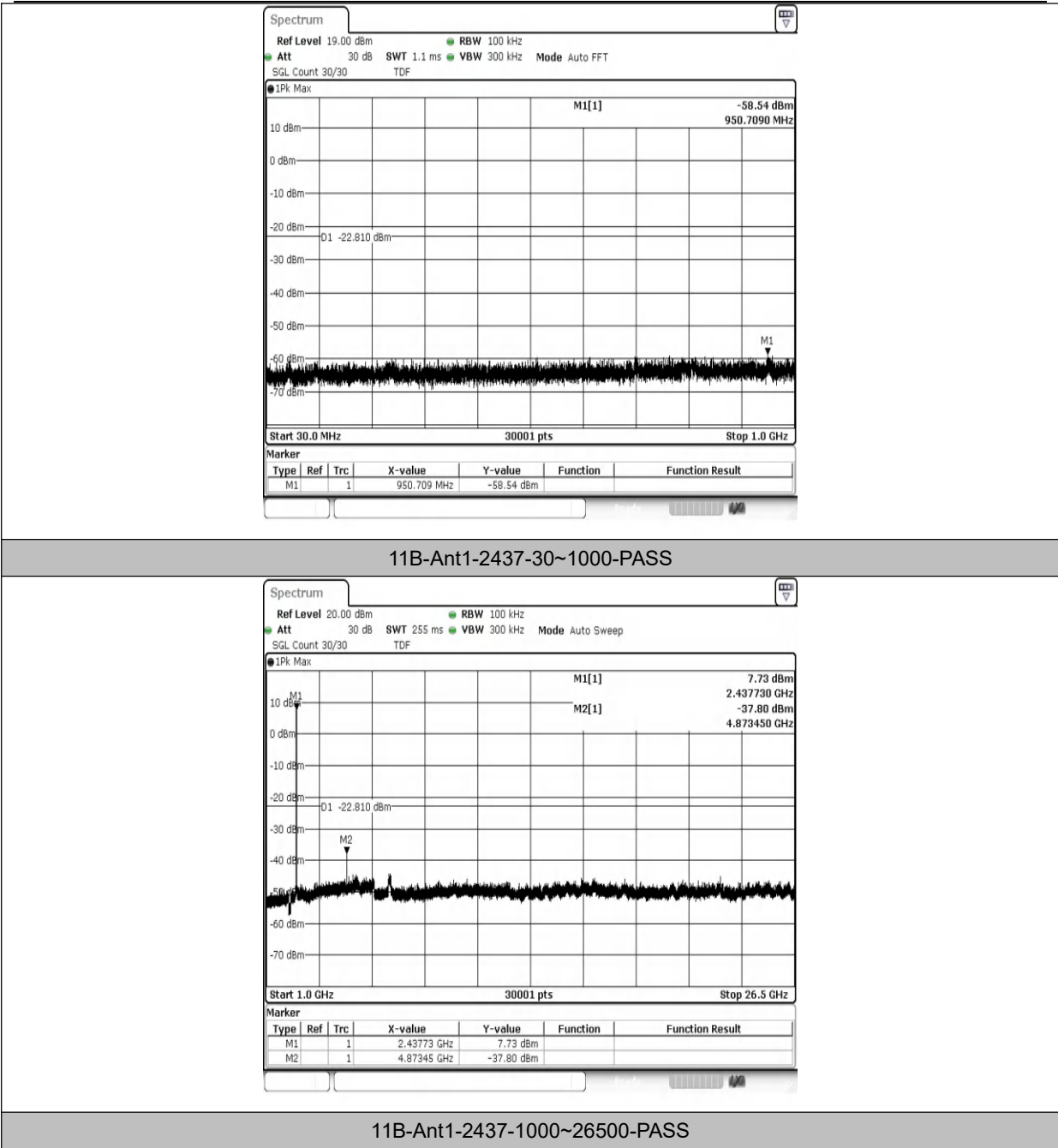
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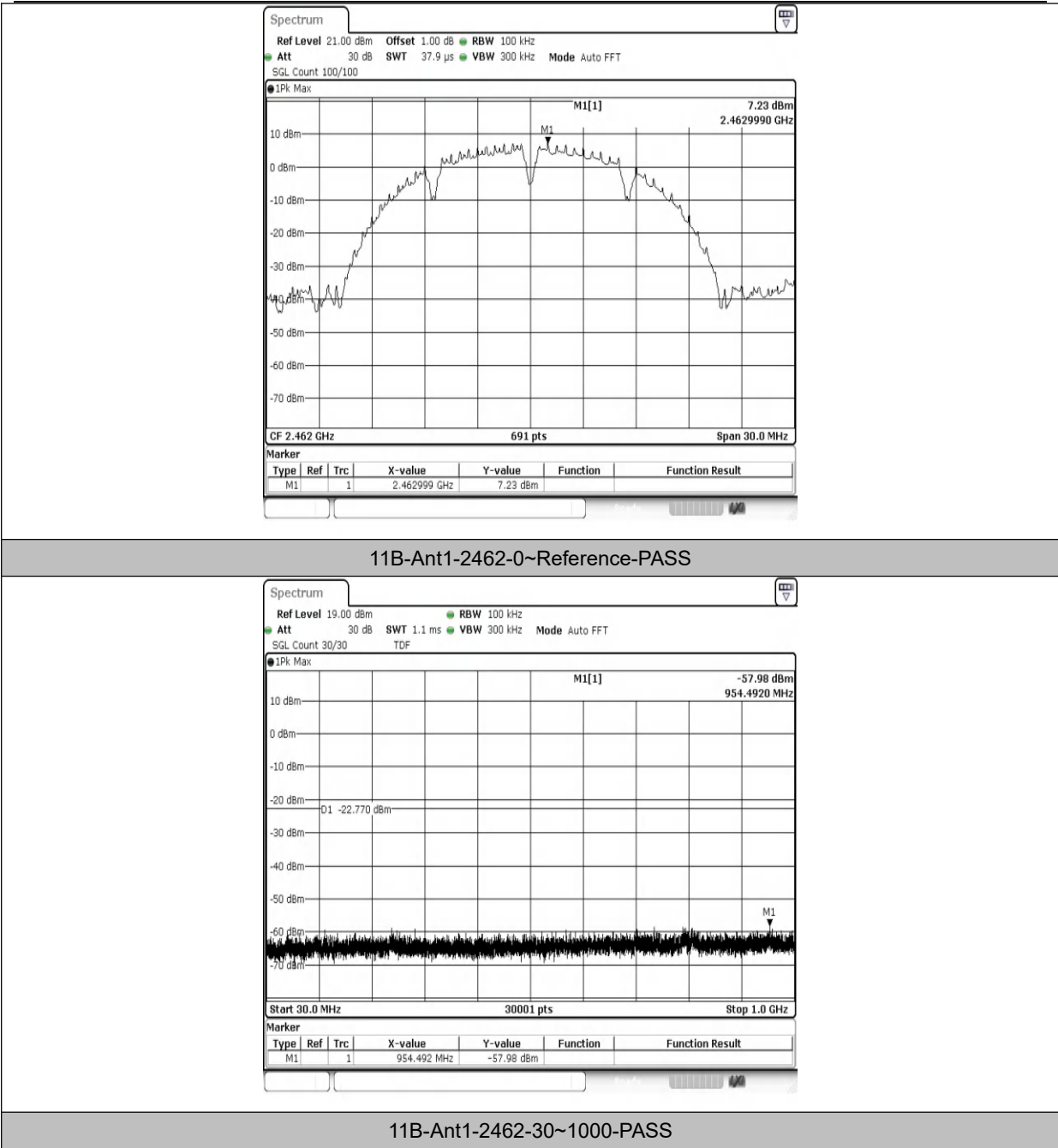


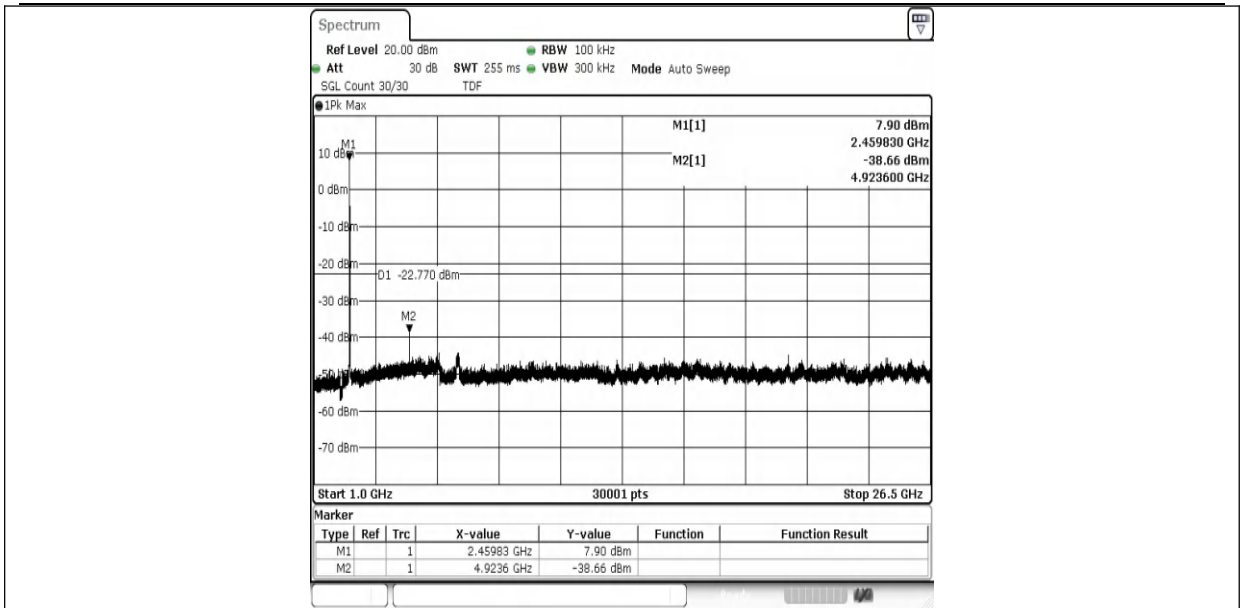
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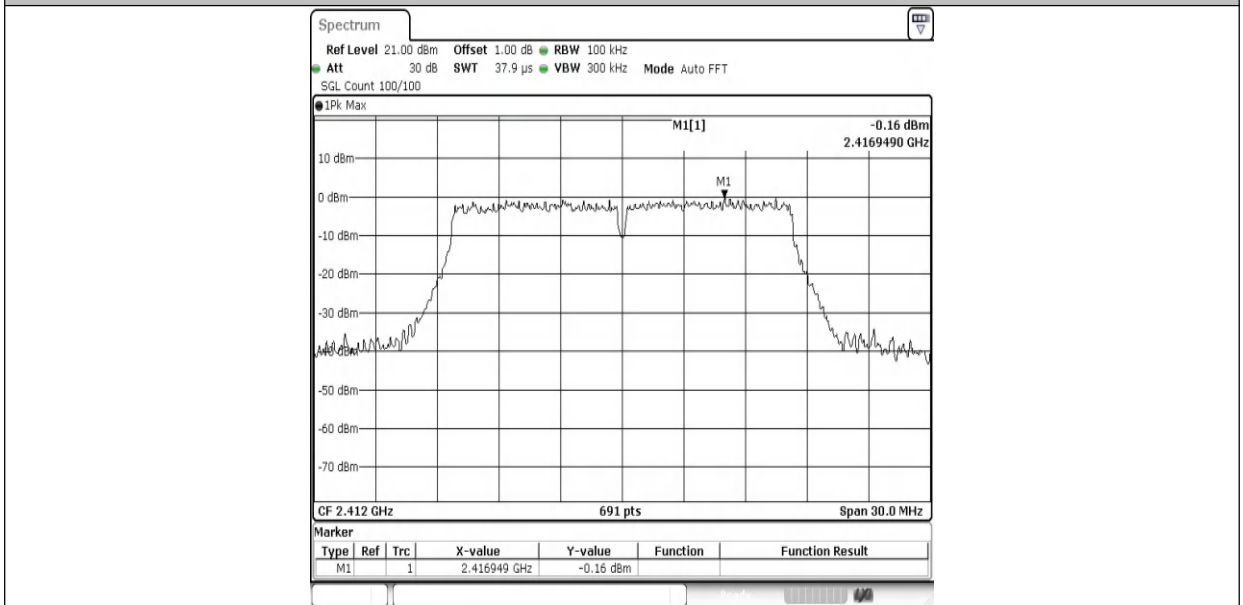
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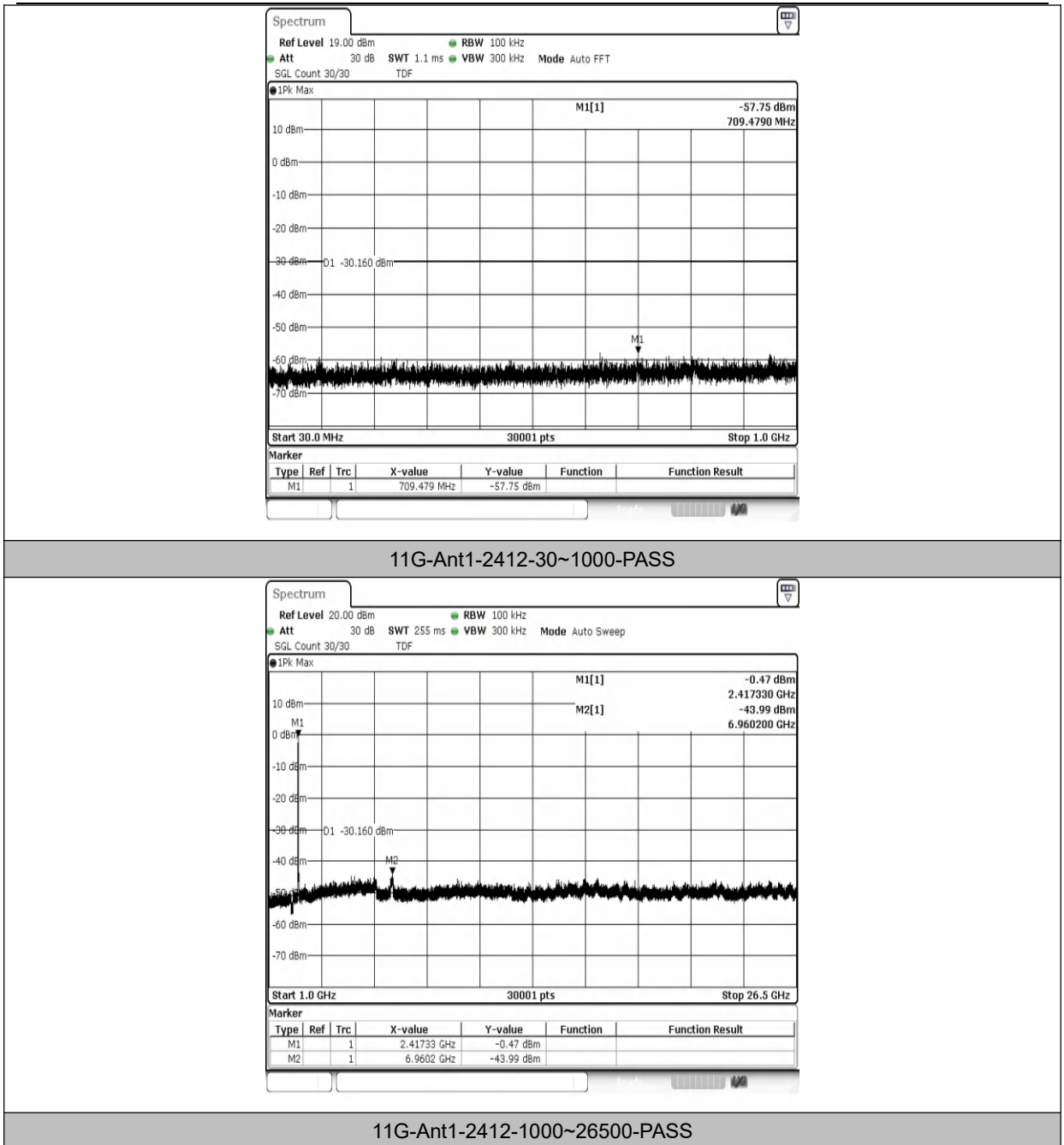


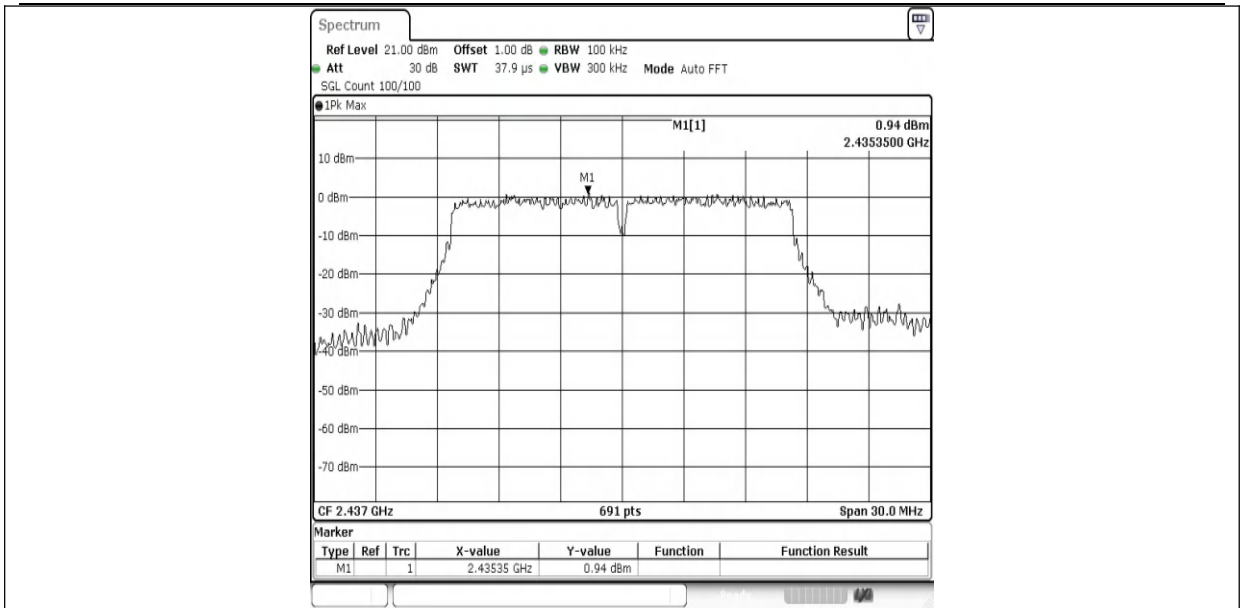


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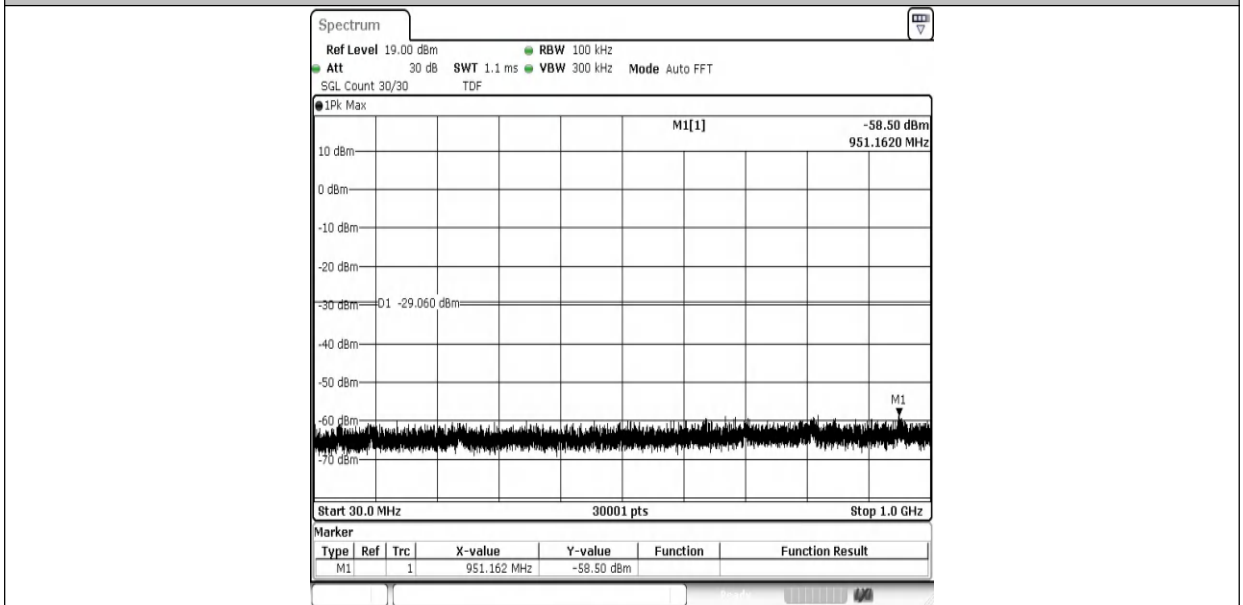


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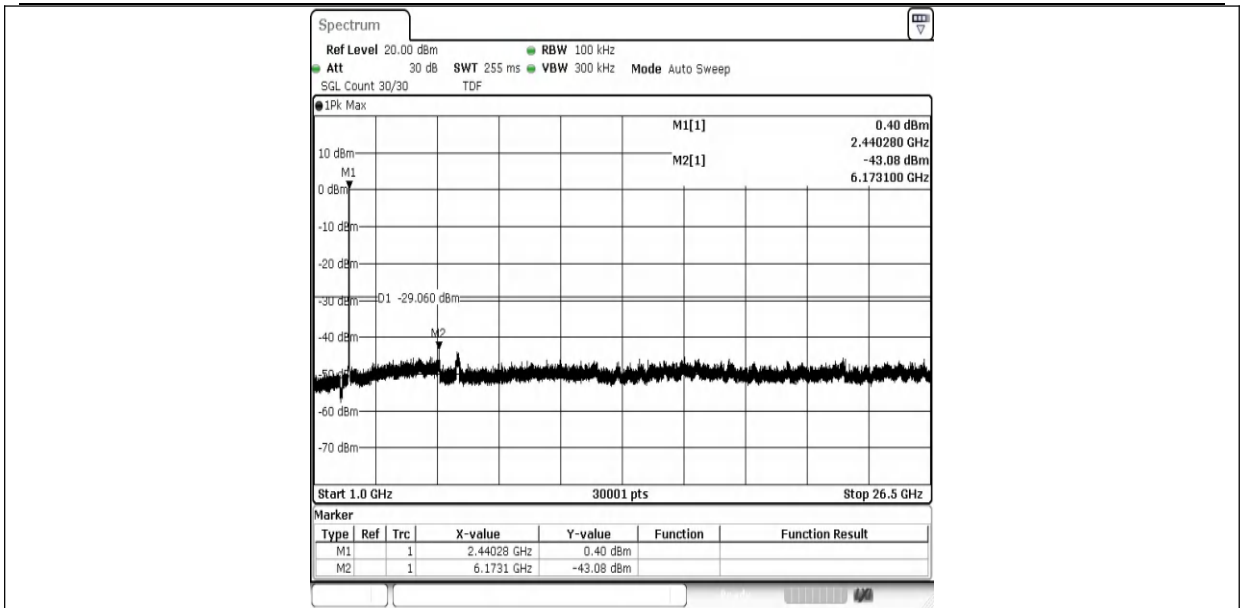




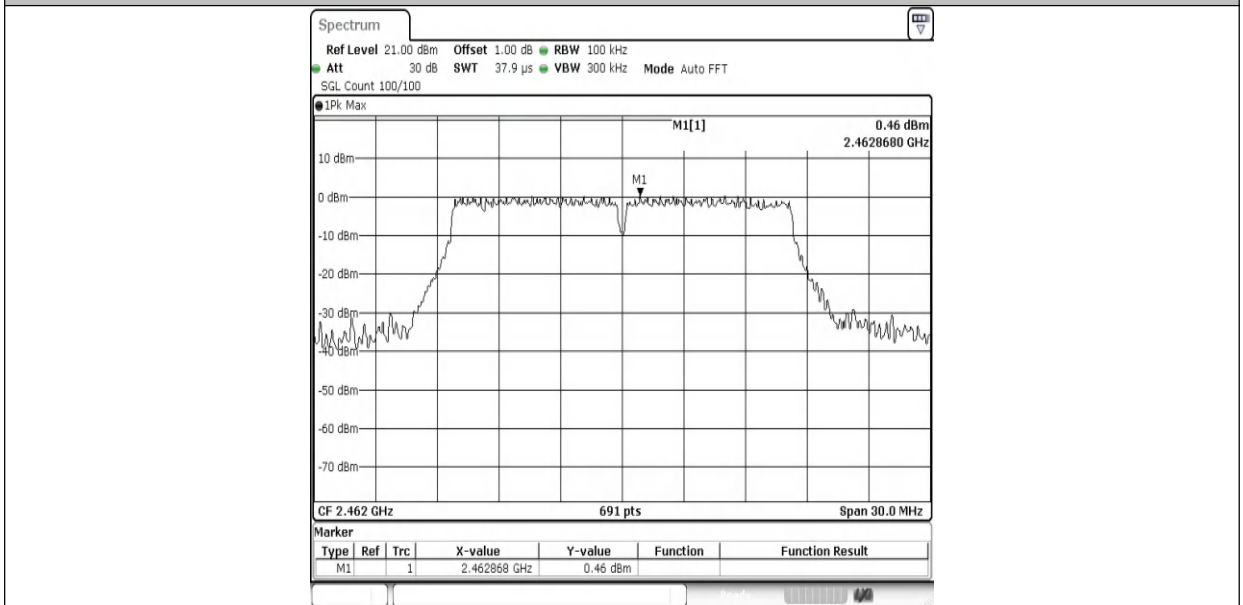
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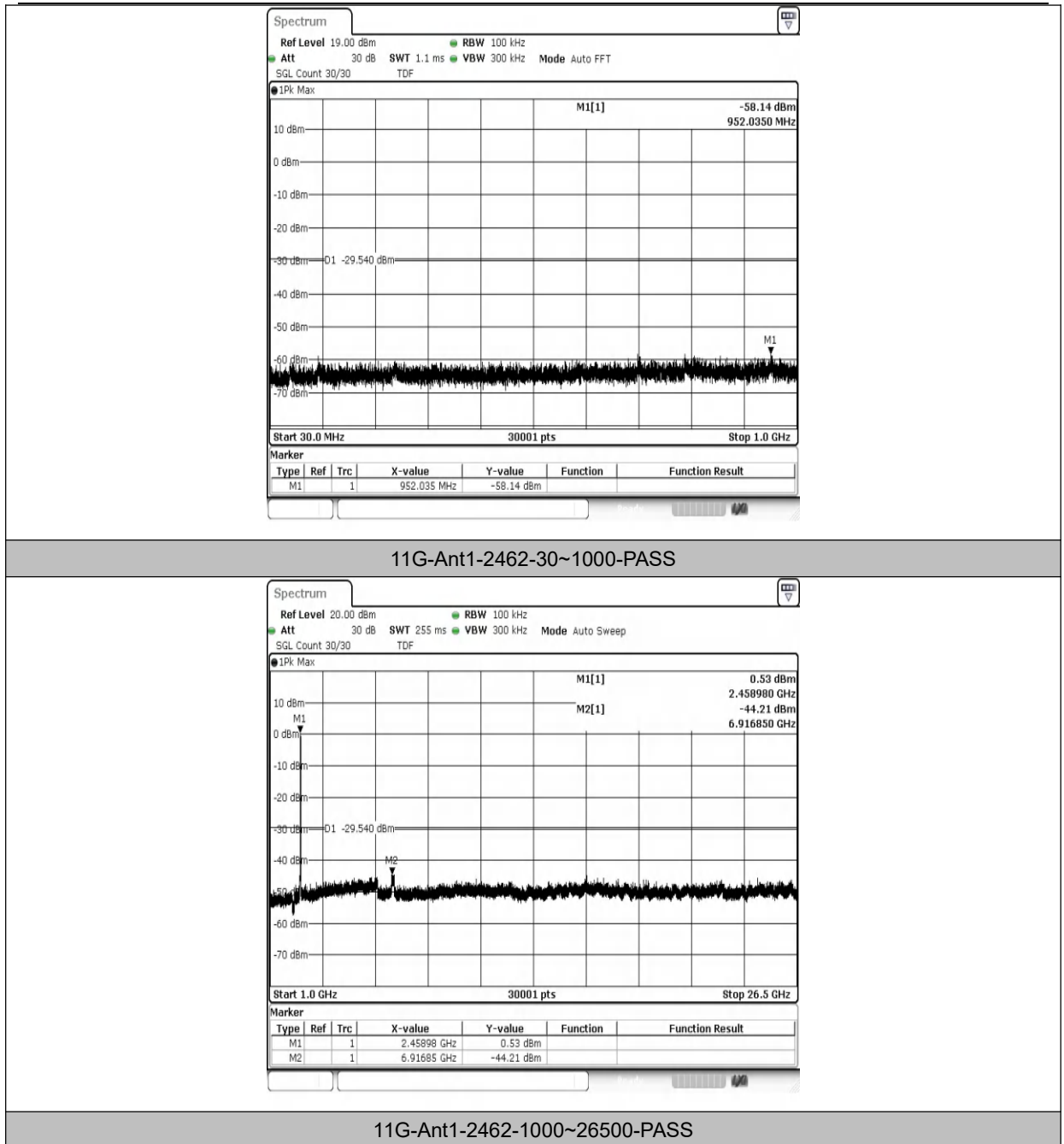
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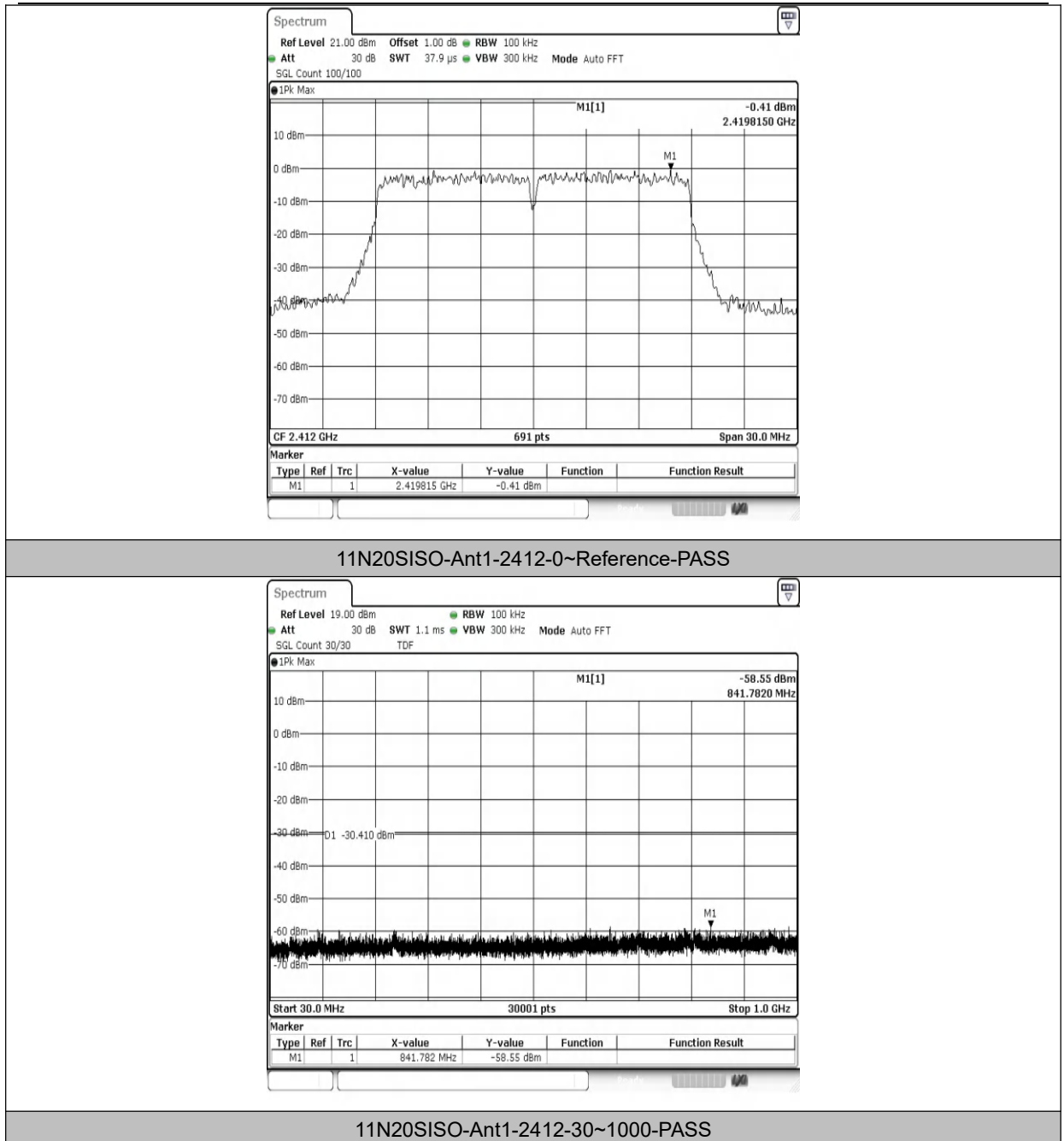


11G-Ant1-2437-1000~26500-PASS



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

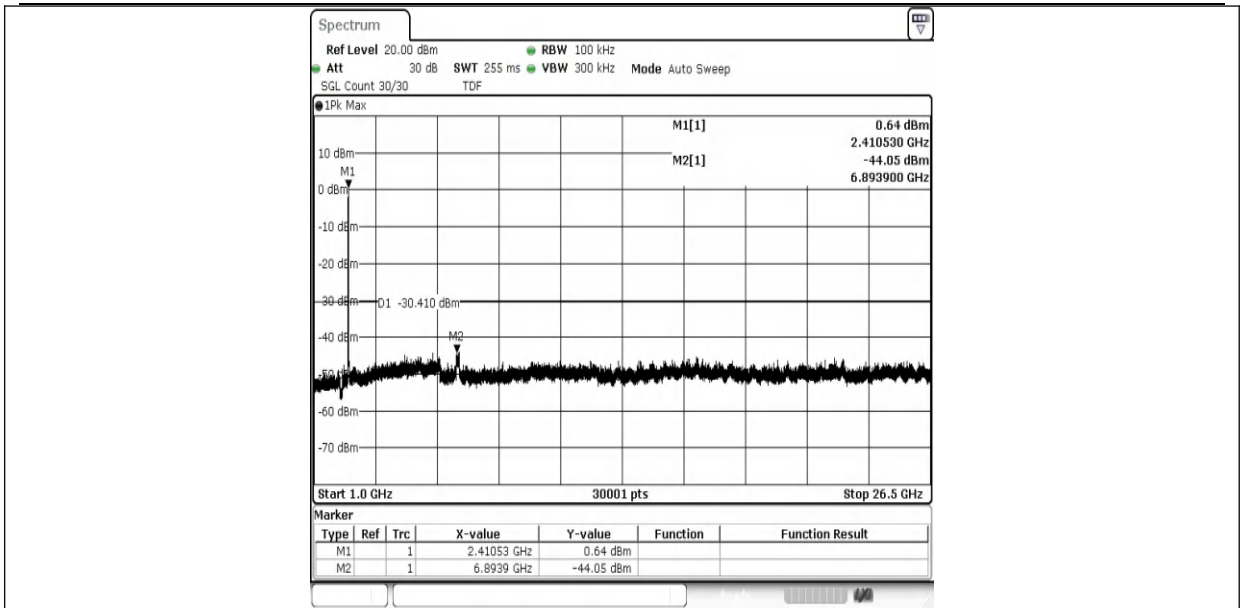




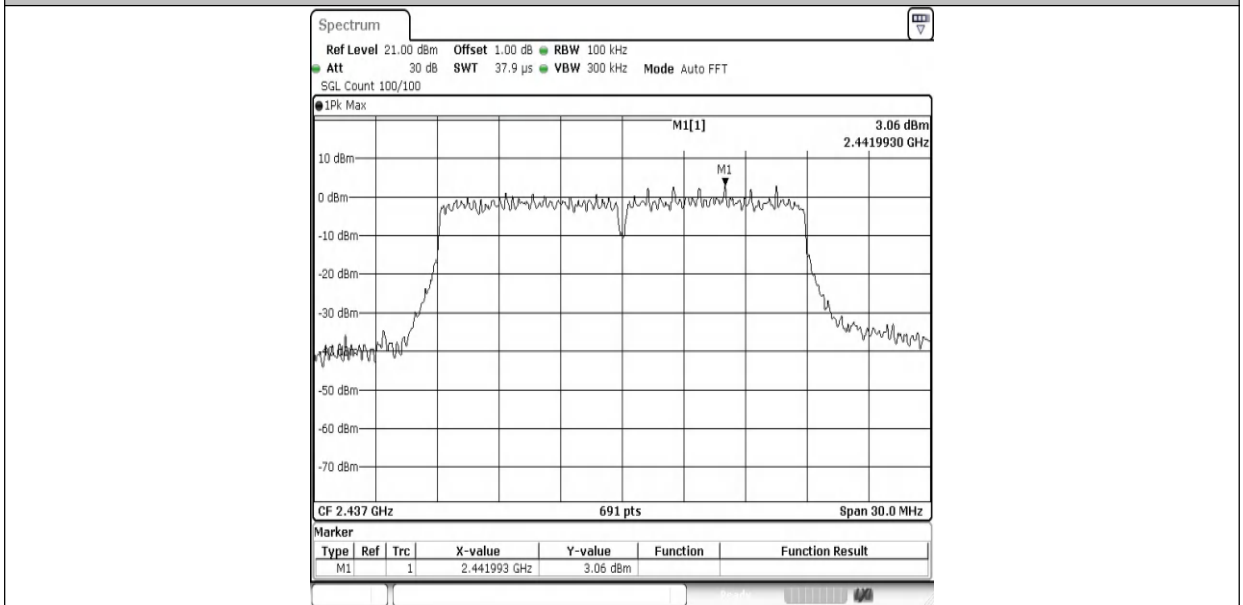
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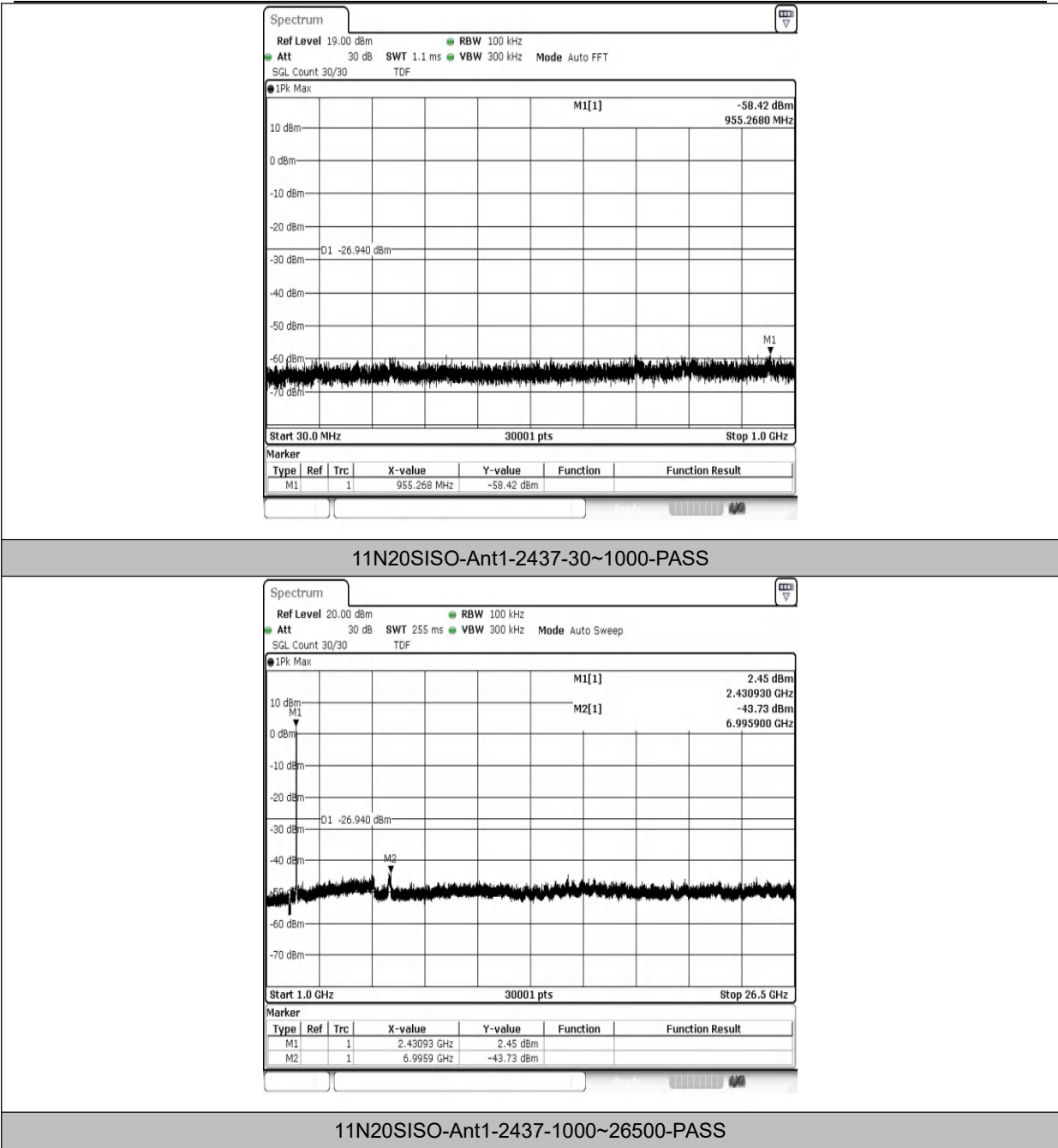
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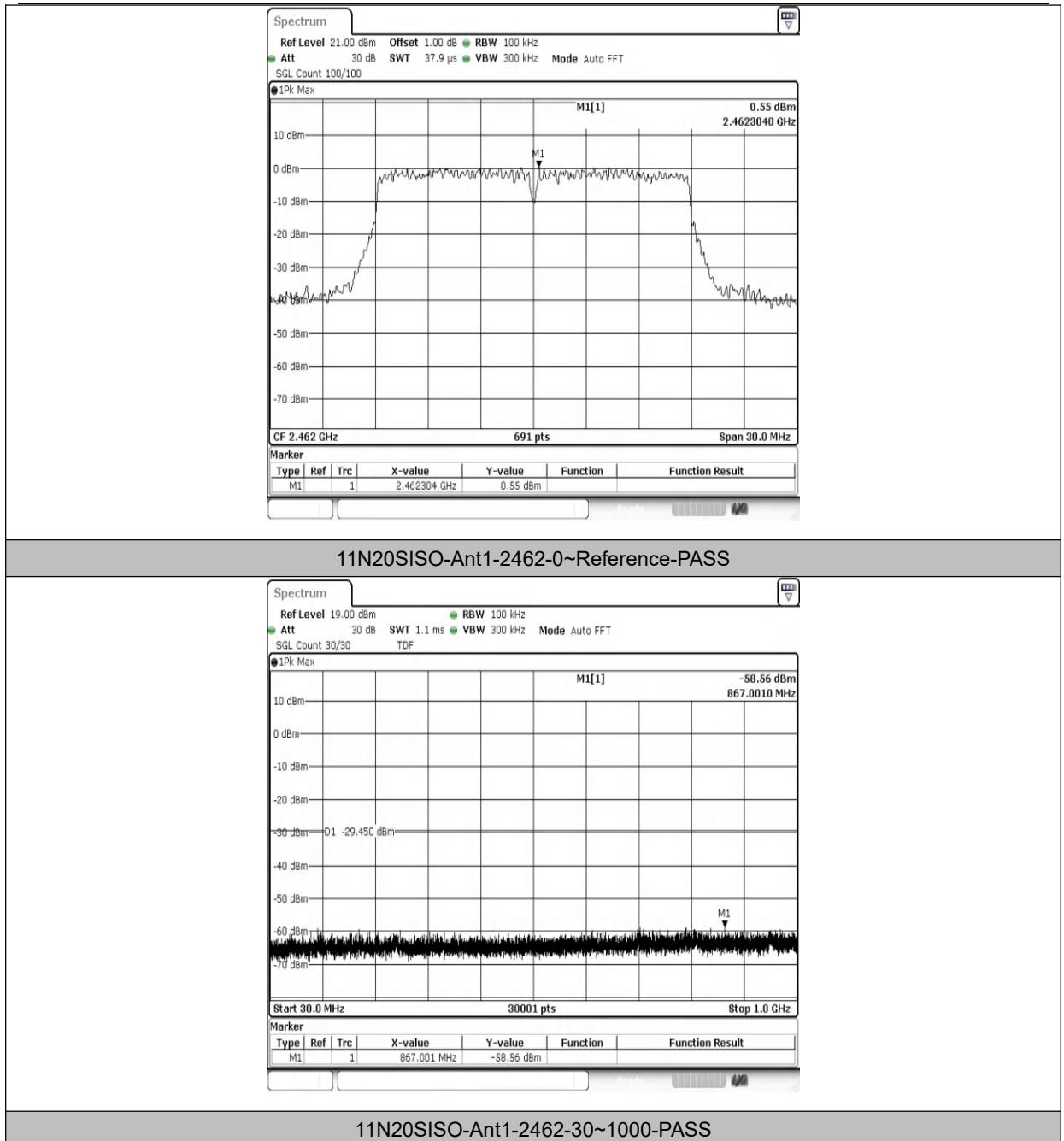


11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant1-2437-0~Reference-PASS

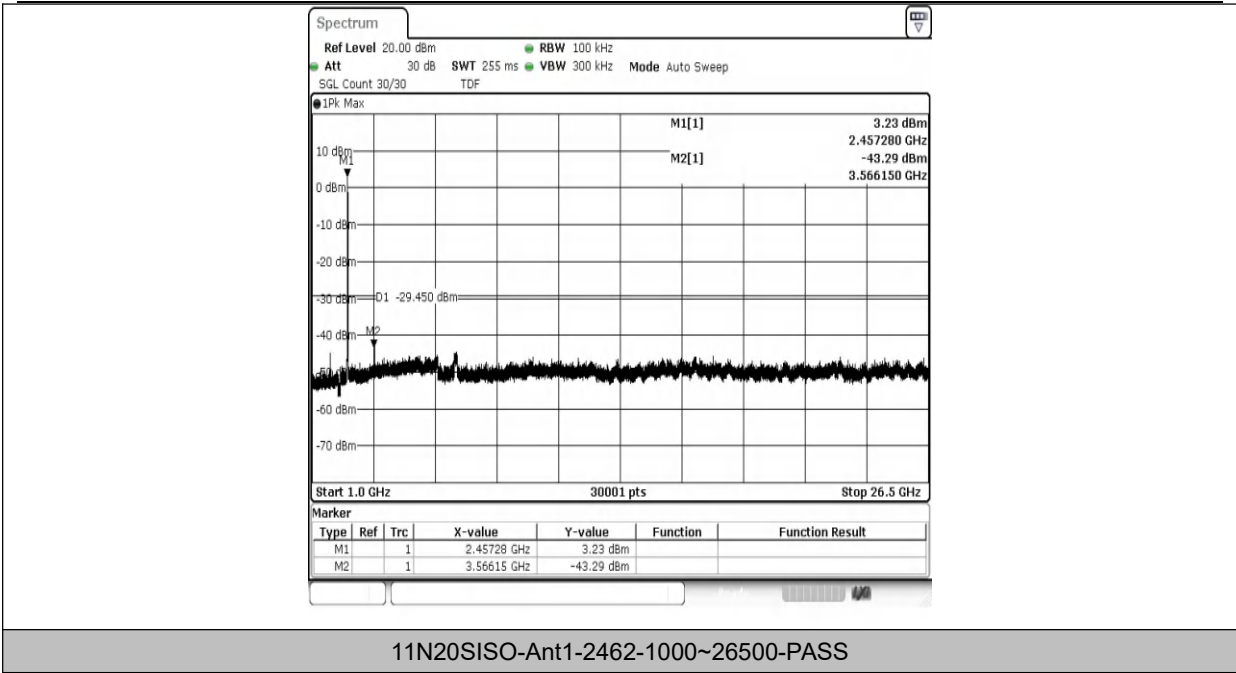




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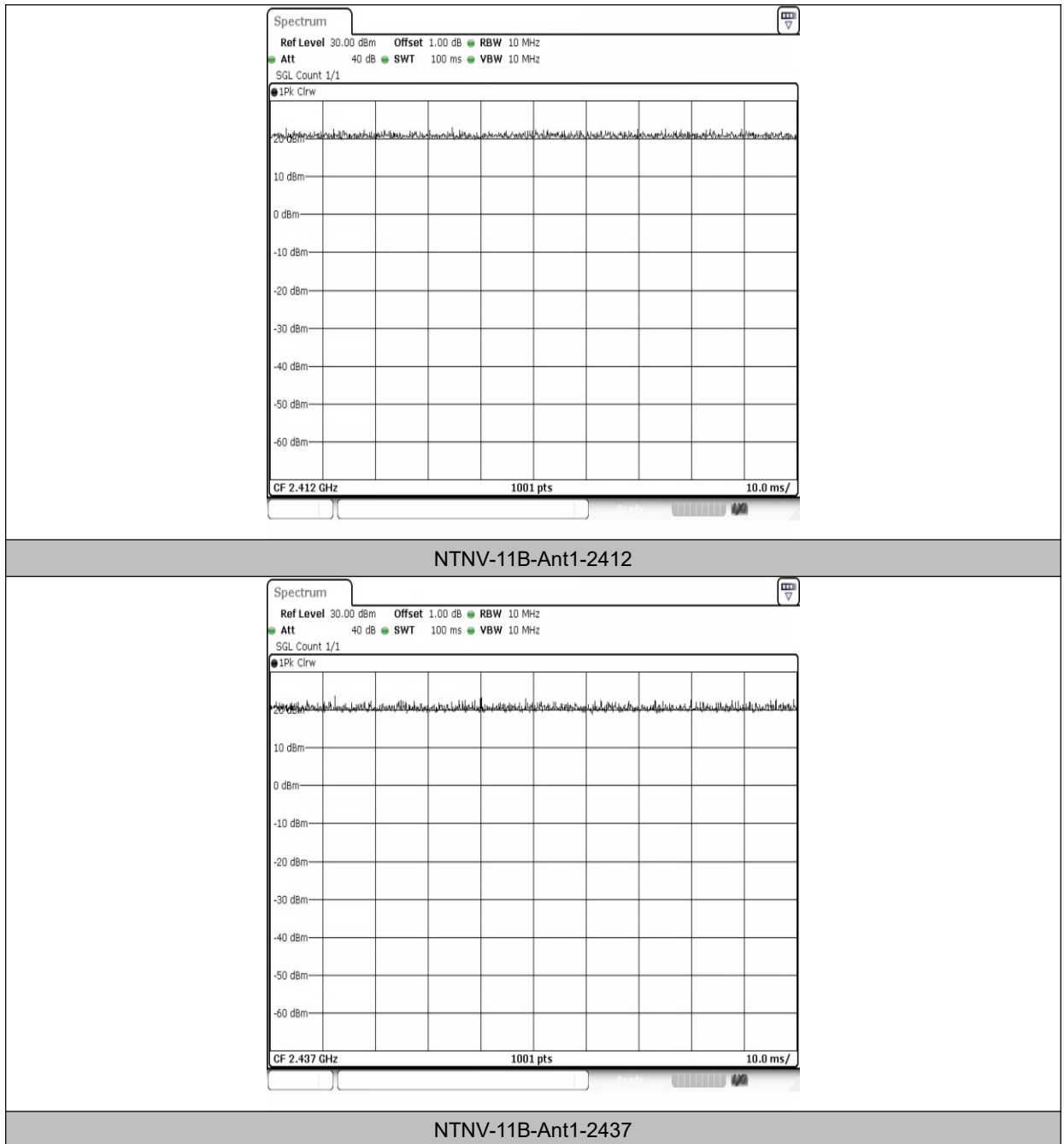
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Appendix G: Duty Cycle

Test Result

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

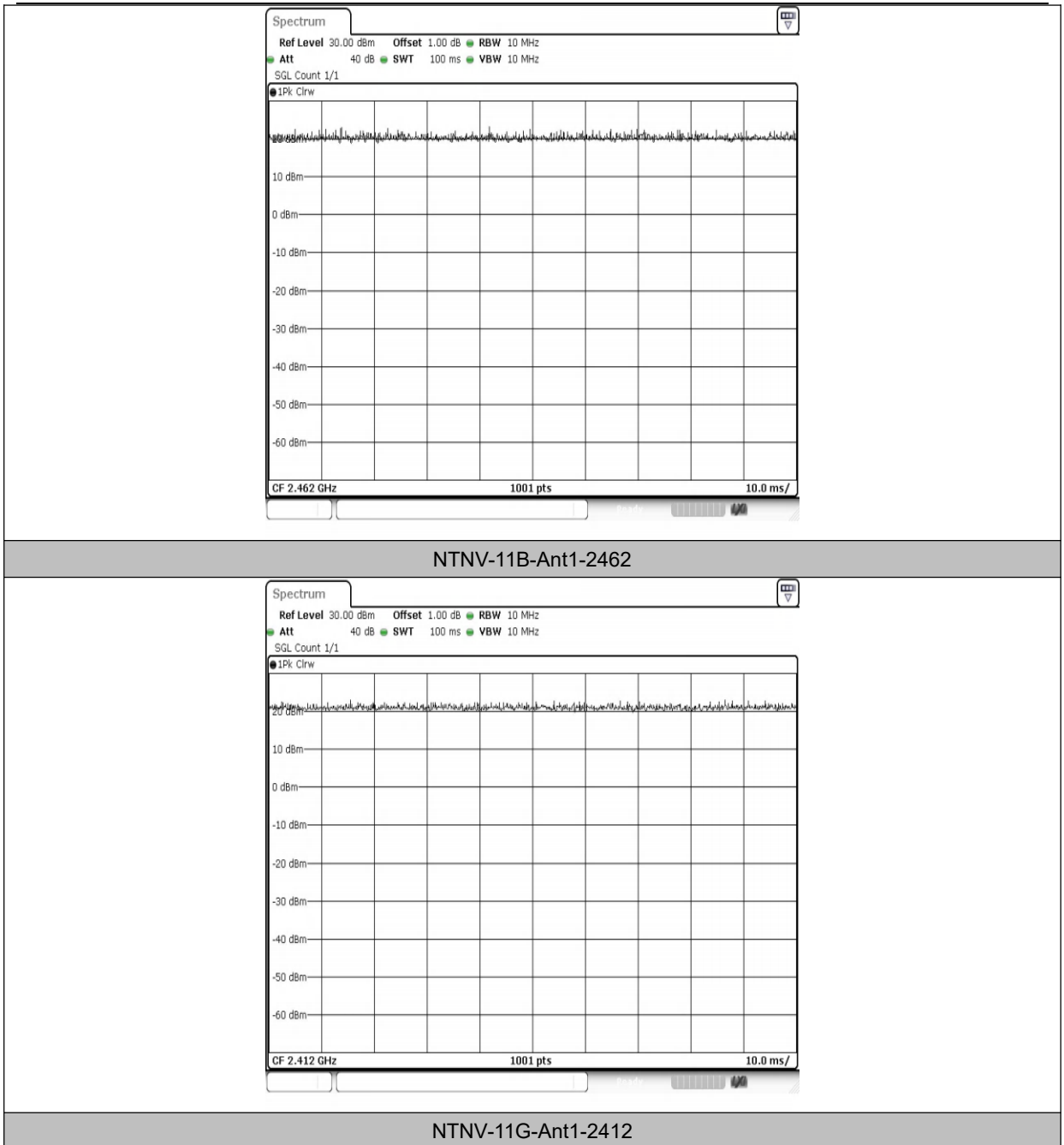
Test Graphs



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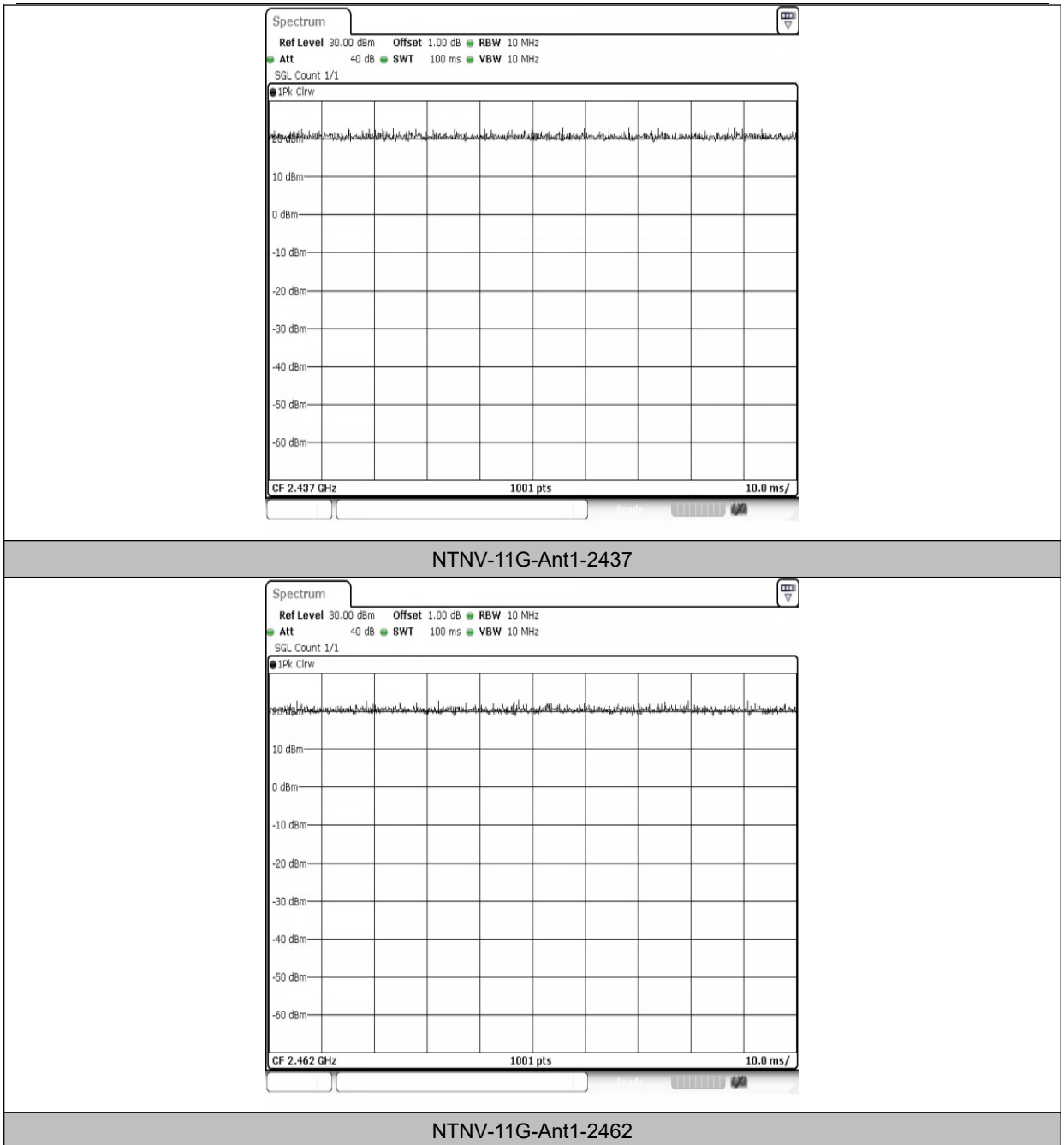
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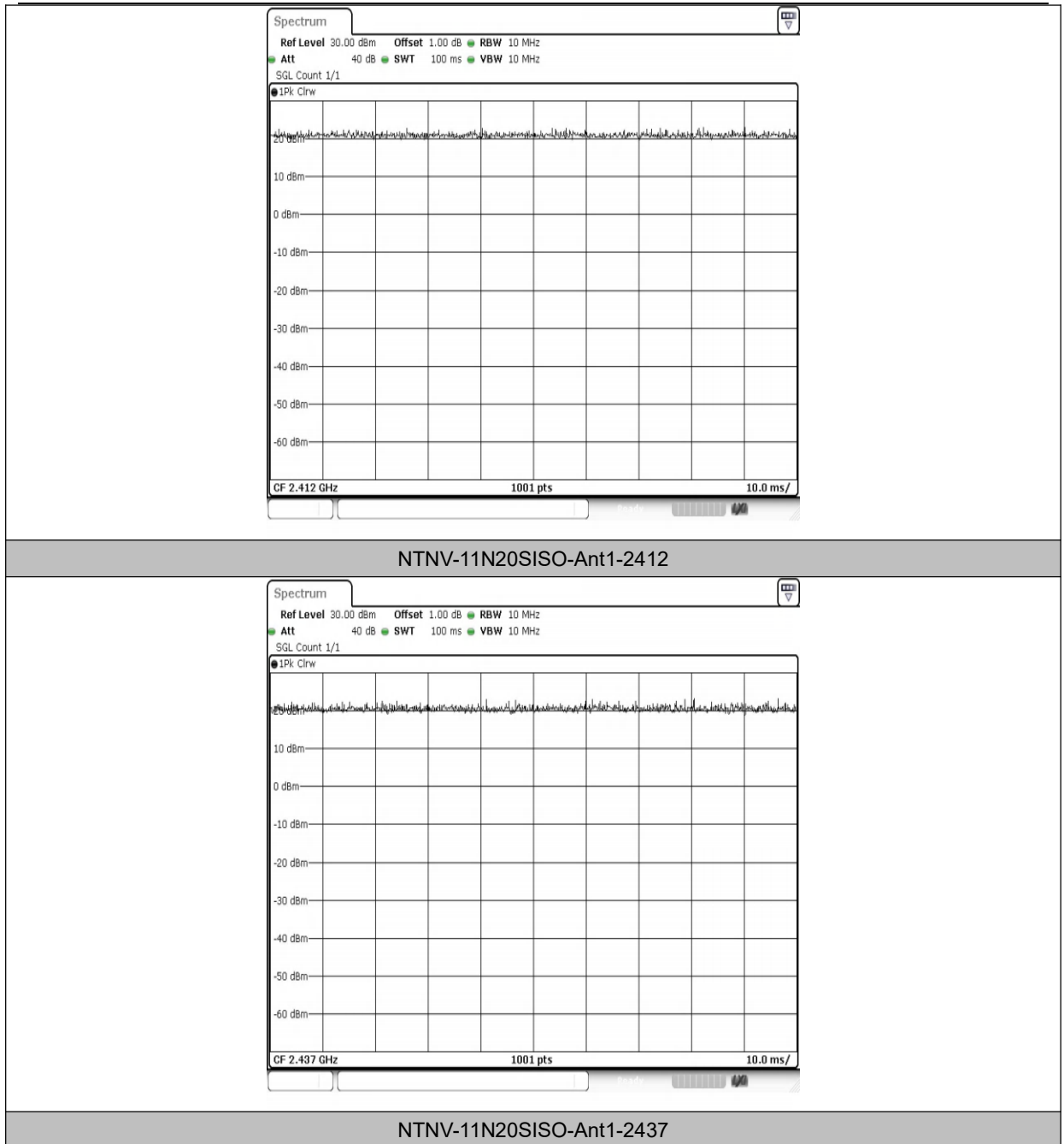
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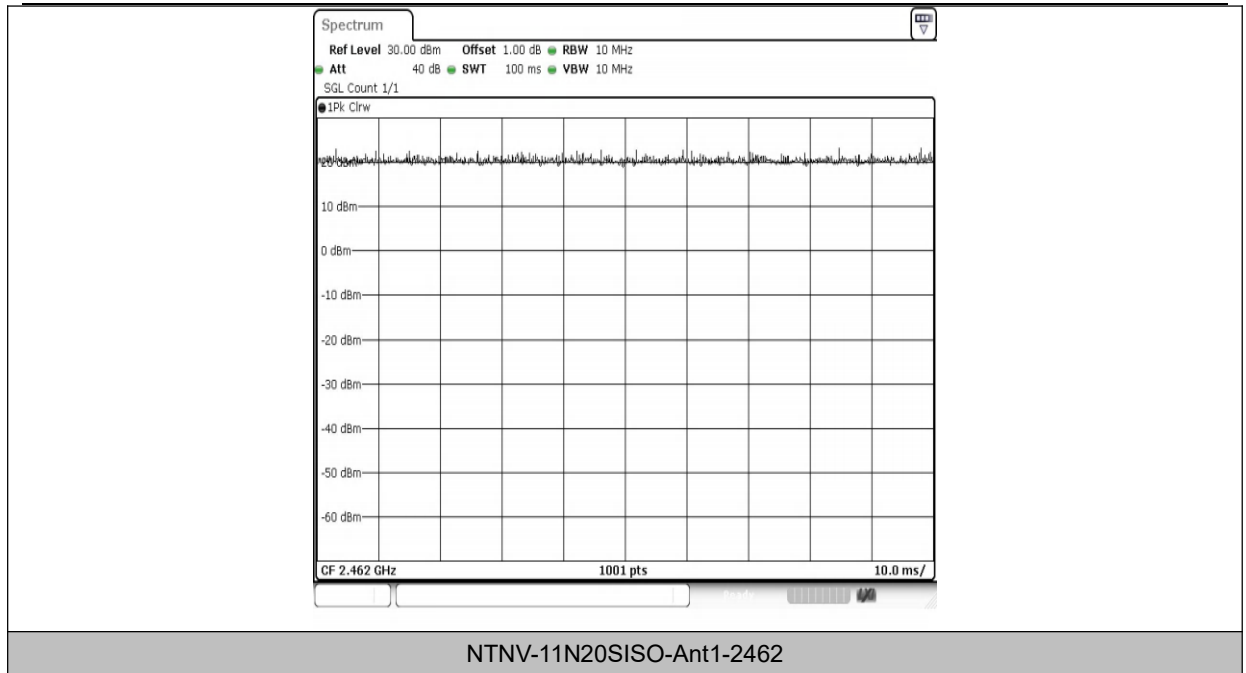
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---End---

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