

Appendix Test Data

Report No.:	1812C50232412502	Test Sample No.:	1-2-2
Start Test Date:	2025-5-26	Finish Test Date:	2025-5-28
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	51%
Pressure:	101kPa		

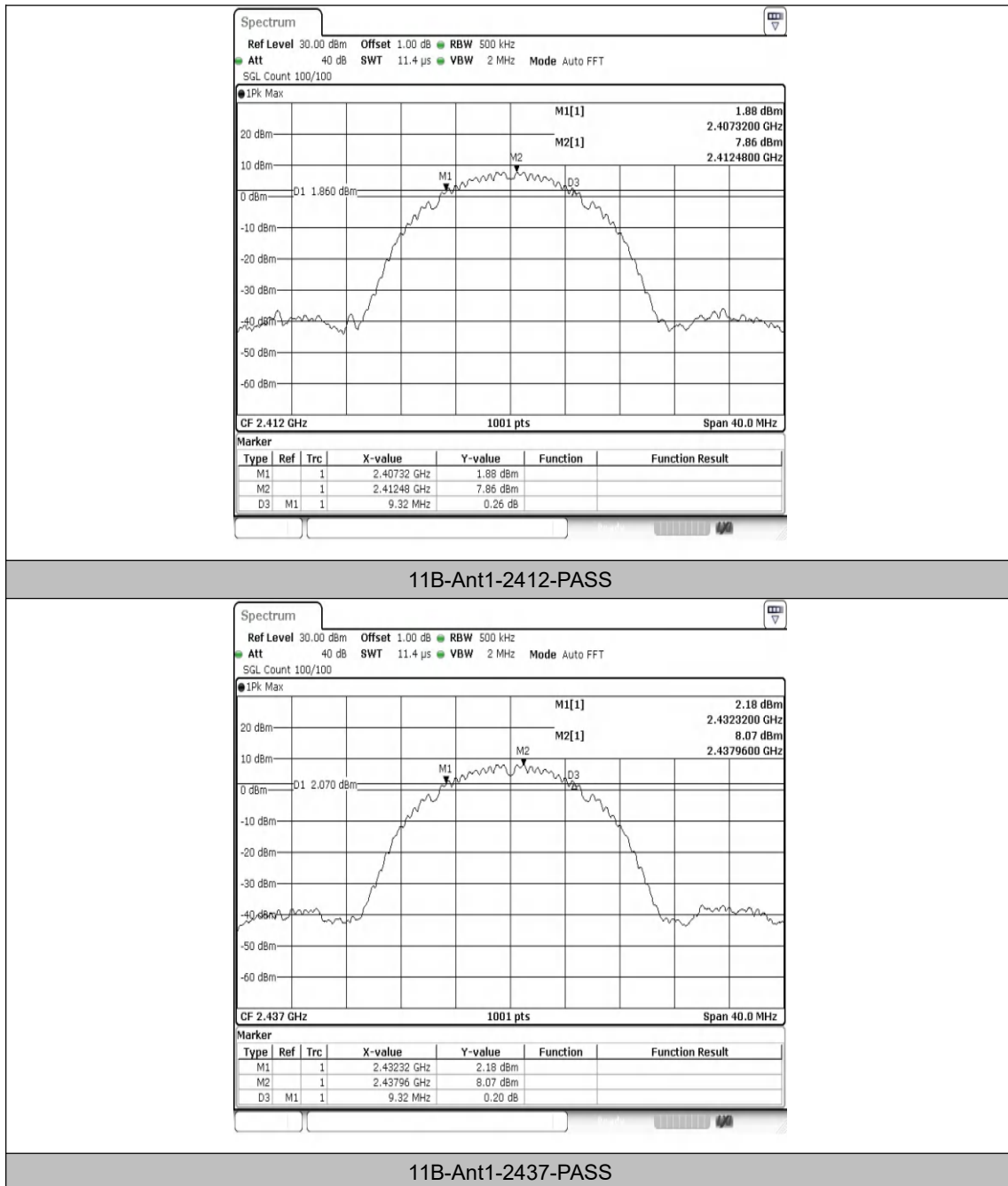
Appendix A: 6dB Bandwidth

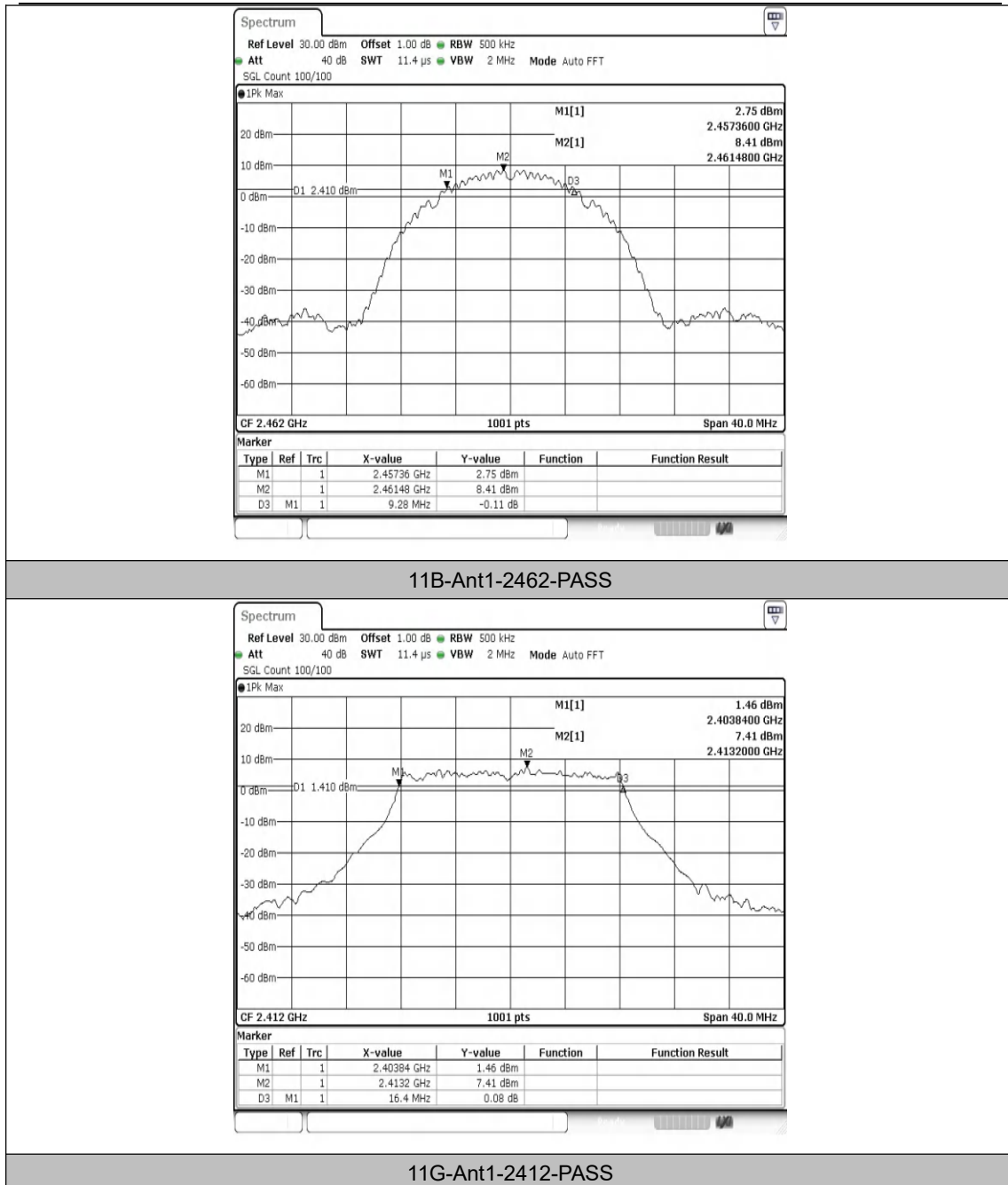
Test Result

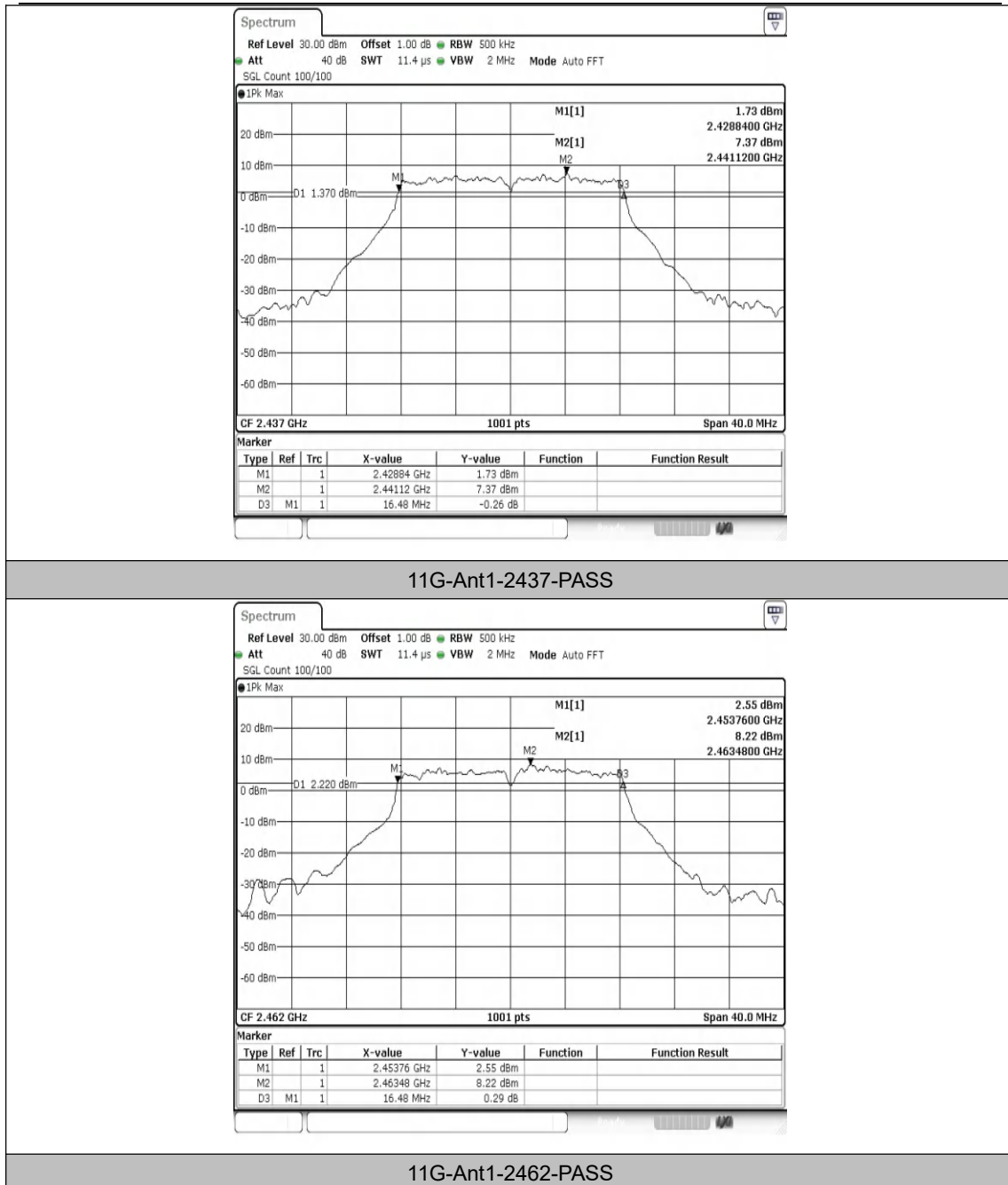
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.32	2407.32	2416.64	0.5	PASS
11B	Ant1	2437	9.32	2432.32	2441.64	0.5	PASS
11B	Ant1	2462	9.28	2457.36	2466.64	0.5	PASS
11G	Ant1	2412	16.40	2403.84	2420.24	0.5	PASS
11G	Ant1	2437	16.48	2428.84	2445.32	0.5	PASS
11G	Ant1	2462	16.48	2453.76	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.52	2403.28	2420.80	0.5	PASS
11N20SISO	Ant1	2437	17.44	2428.24	2445.68	0.5	PASS
11N20SISO	Ant1	2462	17.64	2453.20	2470.84	0.5	PASS



Test Graphs



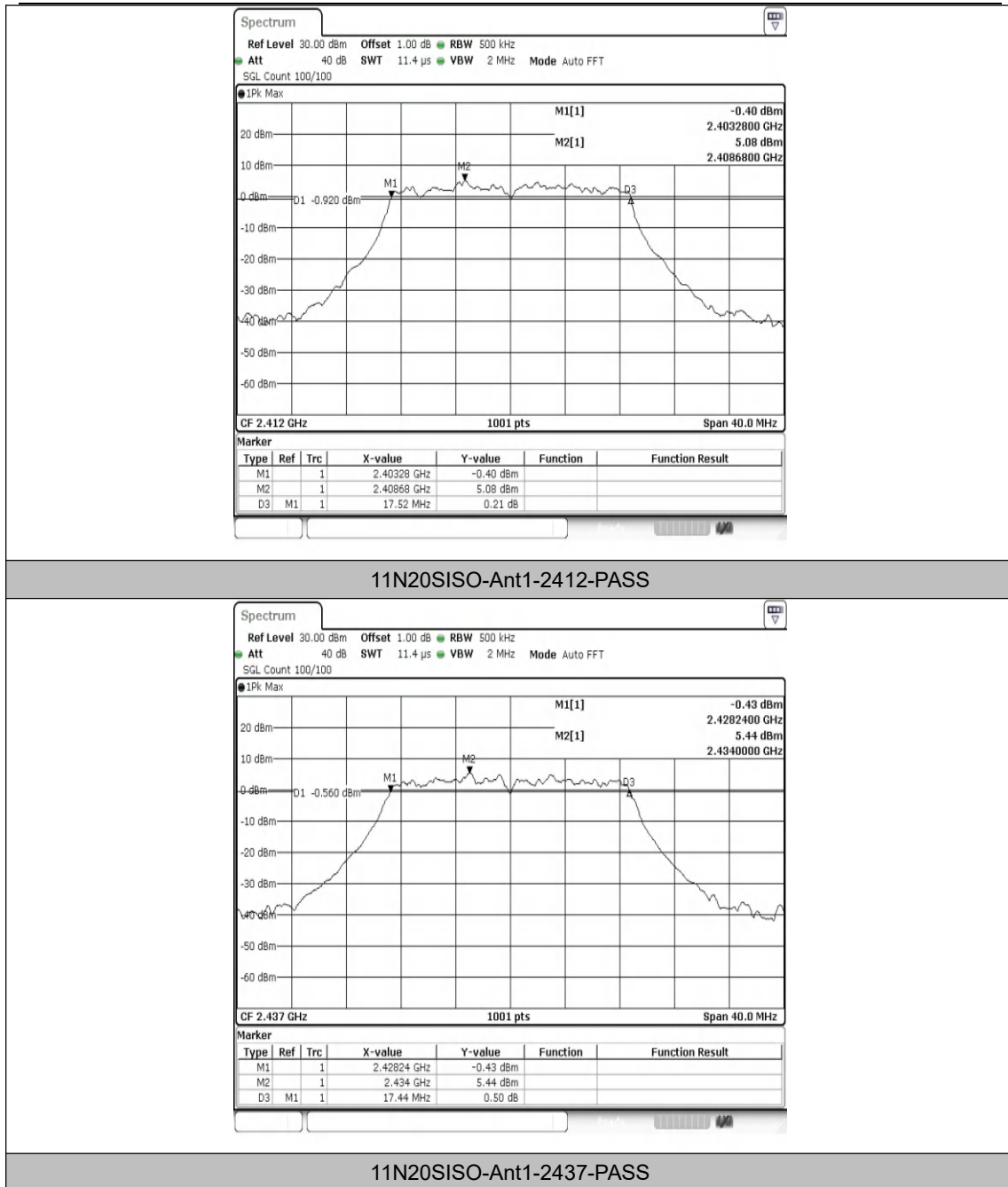


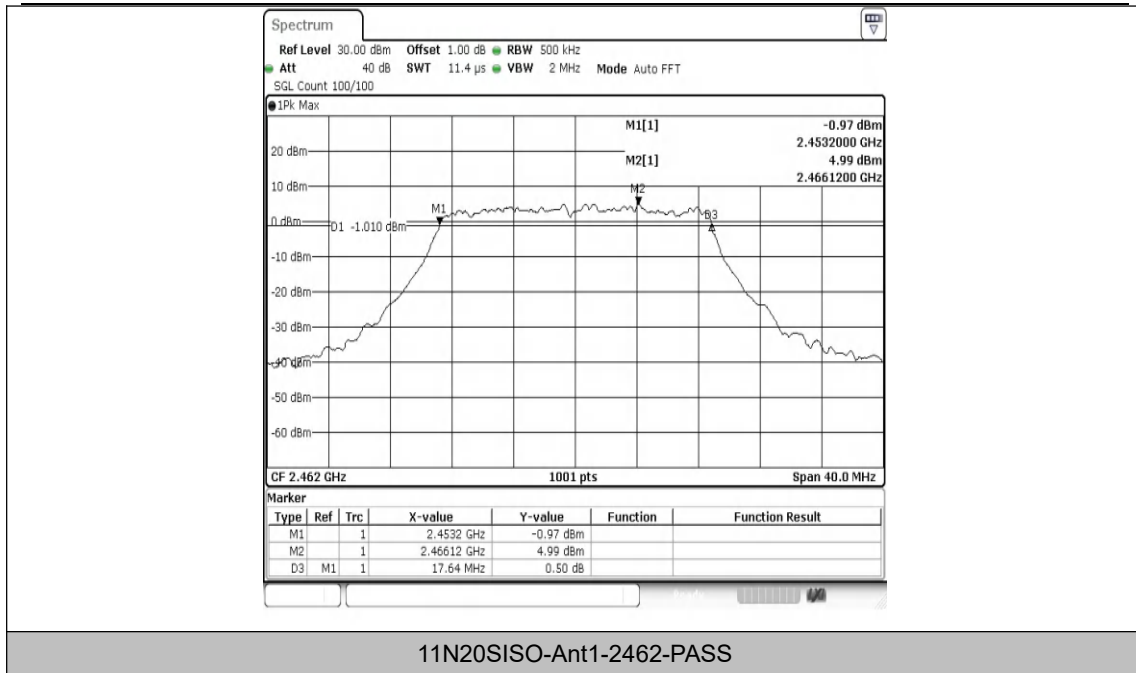


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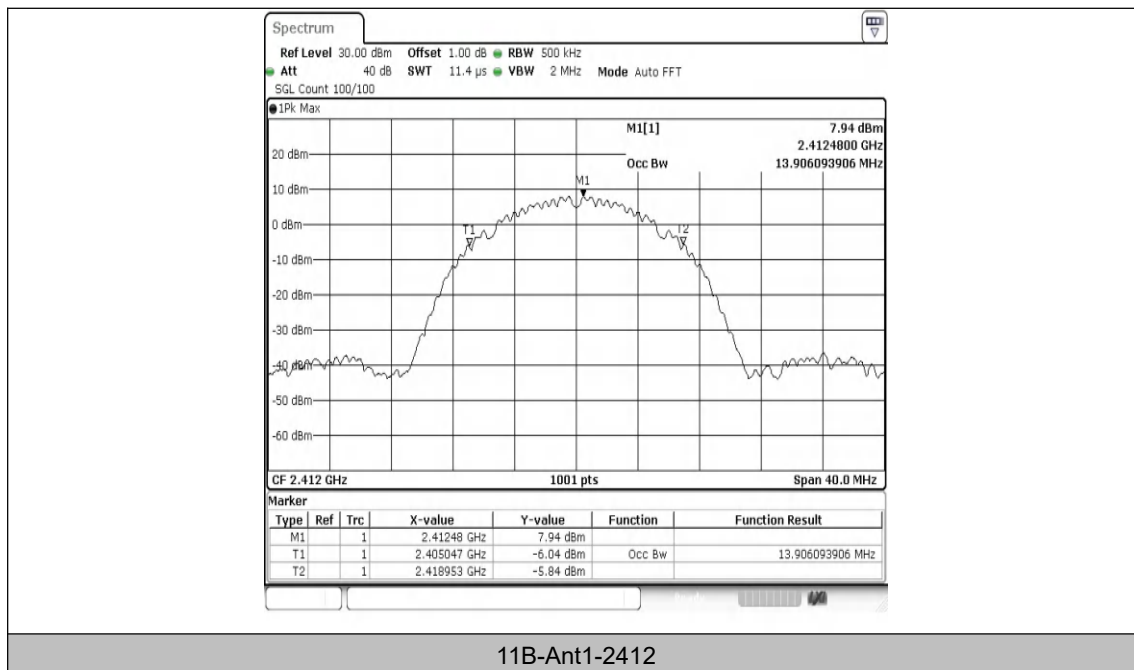
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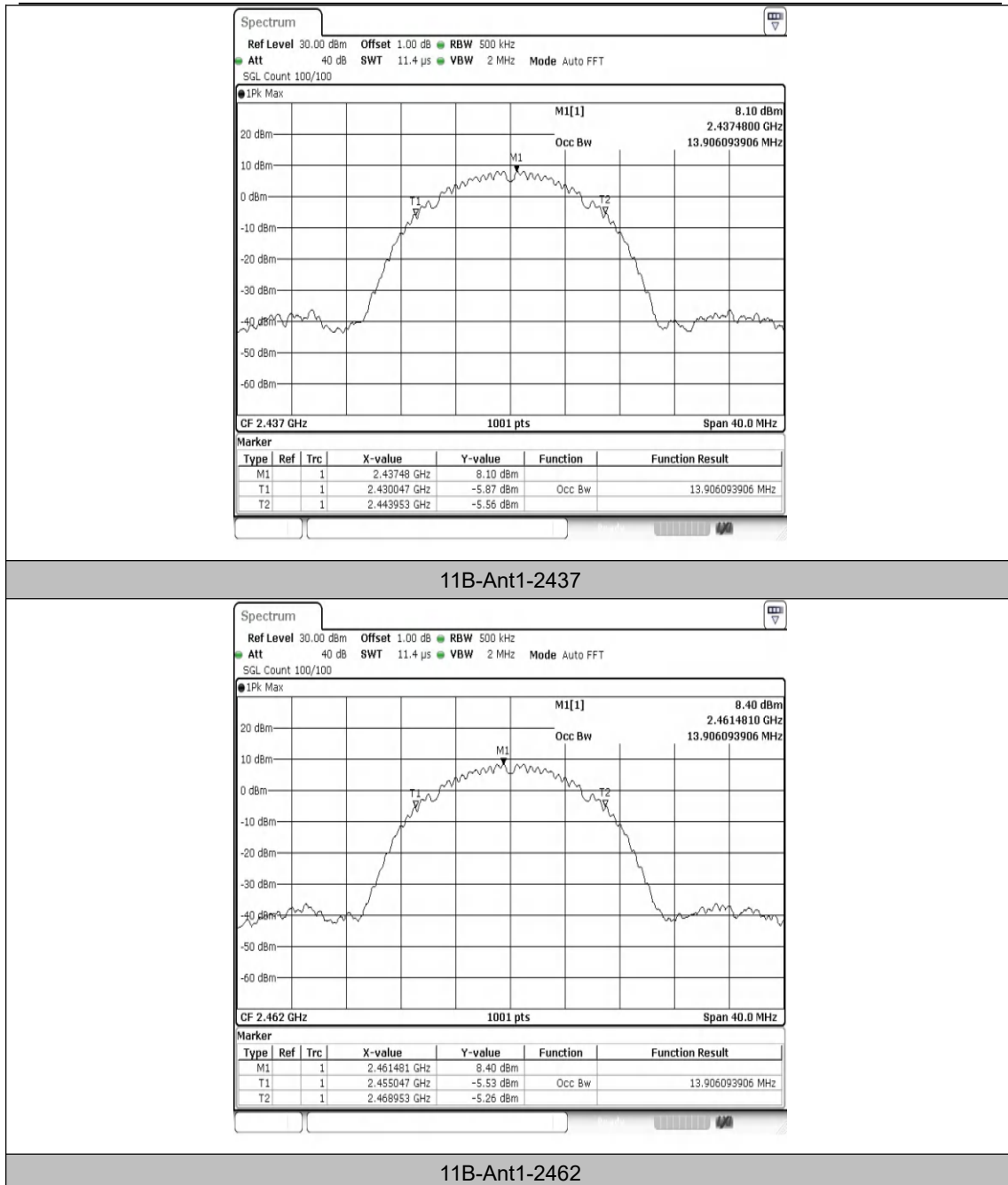
Appendix B: 99% Occupied Bandwidth

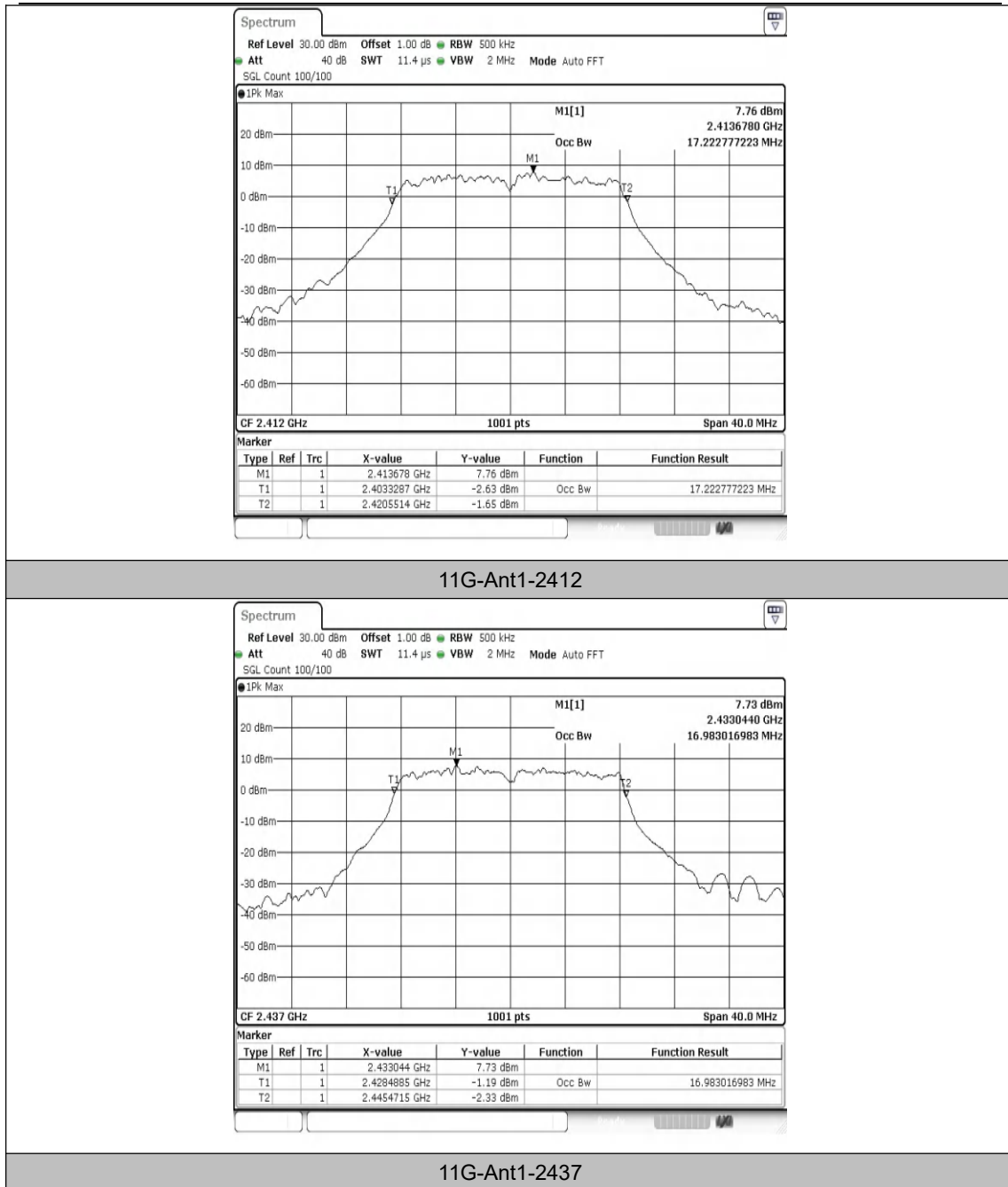
Test Result

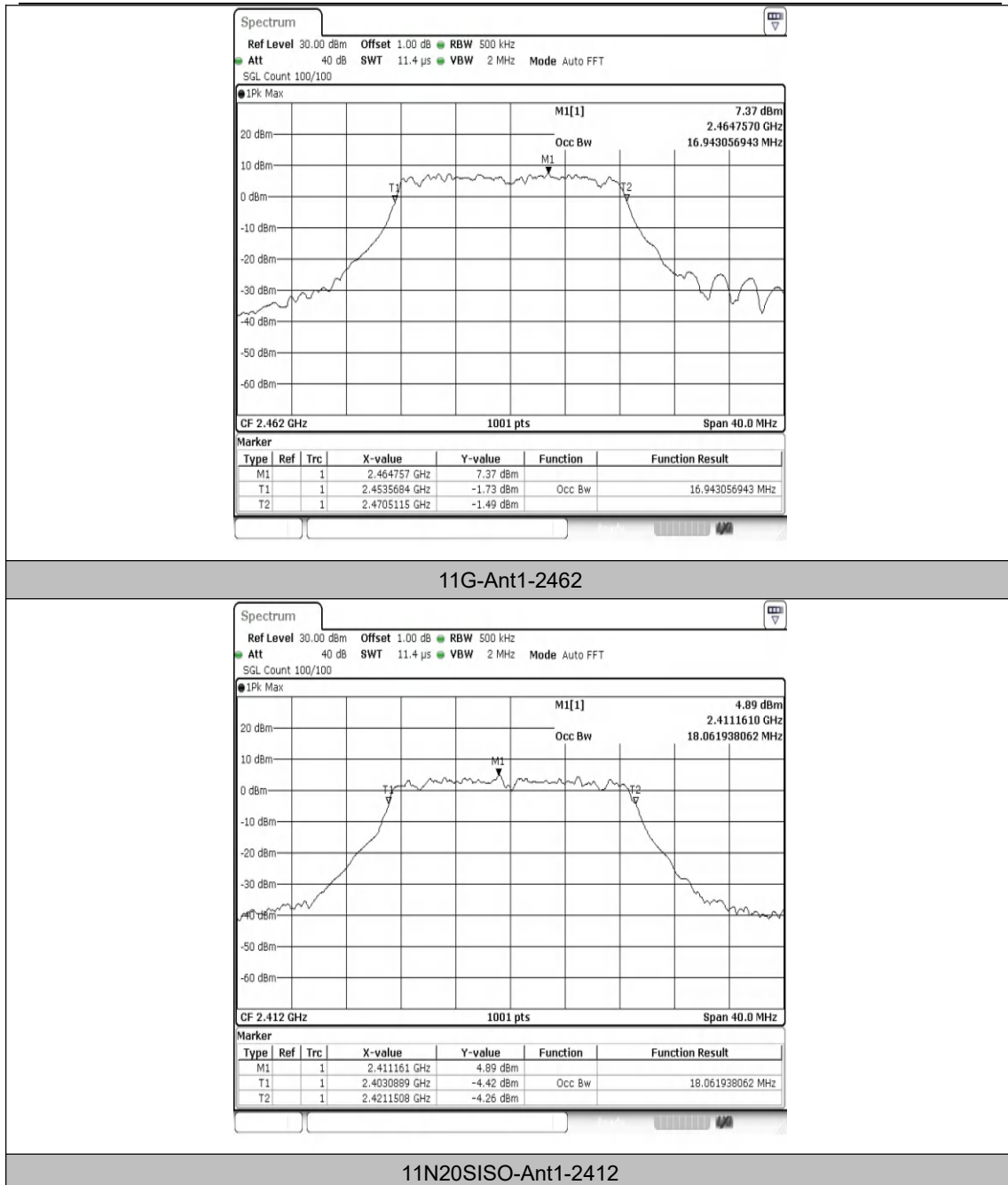
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.906	2405.0470	2418.9530	---	---
11B	Ant1	2437	13.906	2430.0470	2443.9530	---	---
11B	Ant1	2462	13.906	2455.0470	2468.9530	---	---
11G	Ant1	2412	17.223	2403.3287	2420.5514	---	---
11G	Ant1	2437	16.983	2428.4885	2445.4715	---	---
11G	Ant1	2462	16.943	2453.5684	2470.5115	---	---
11N20SISO	Ant1	2412	18.062	2403.0889	2421.1508	---	---
11N20SISO	Ant1	2437	18.621	2427.5694	2446.1908	---	---
11N20SISO	Ant1	2462	18.062	2453.0889	2471.1508	---	---

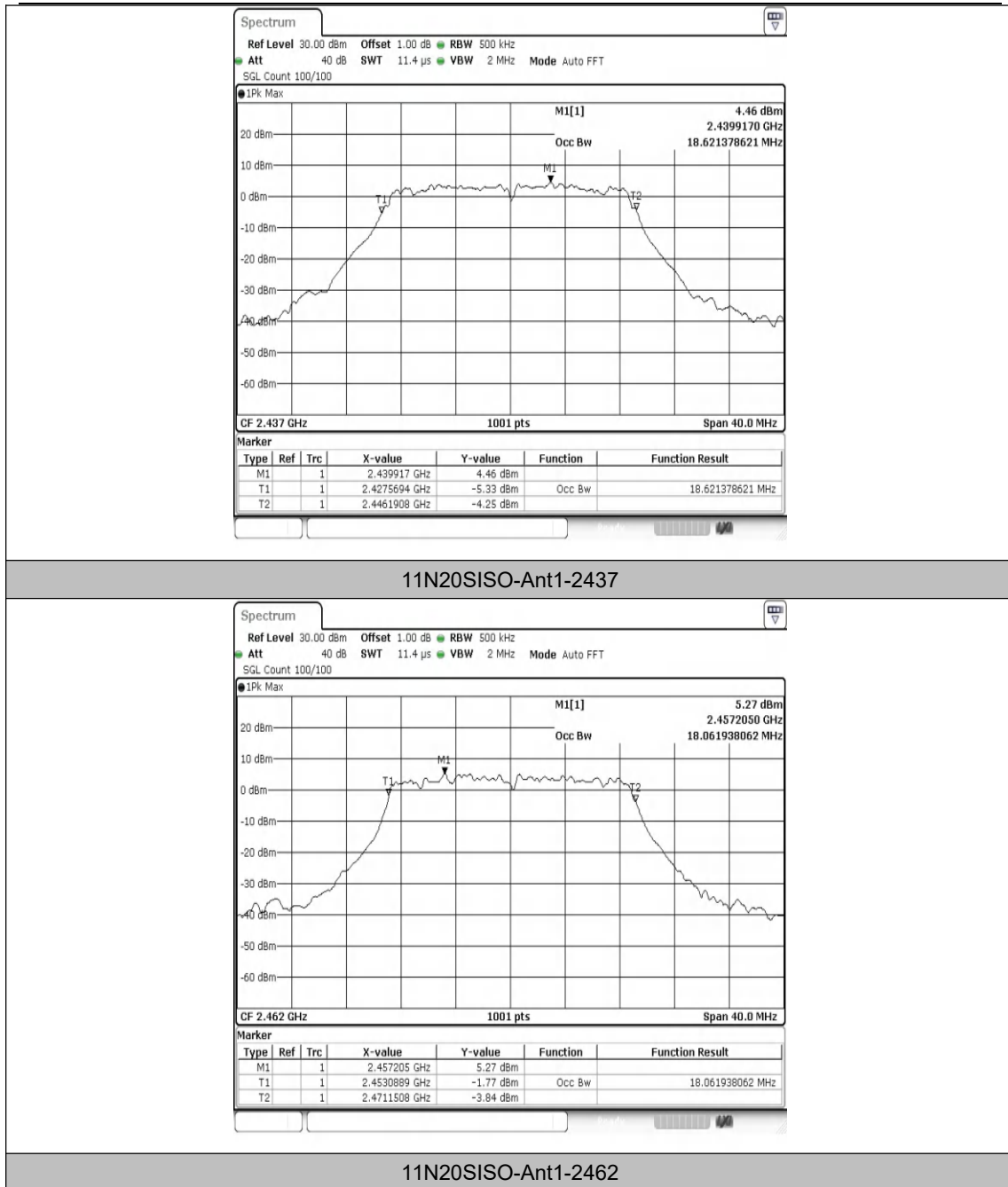
Test Graphs











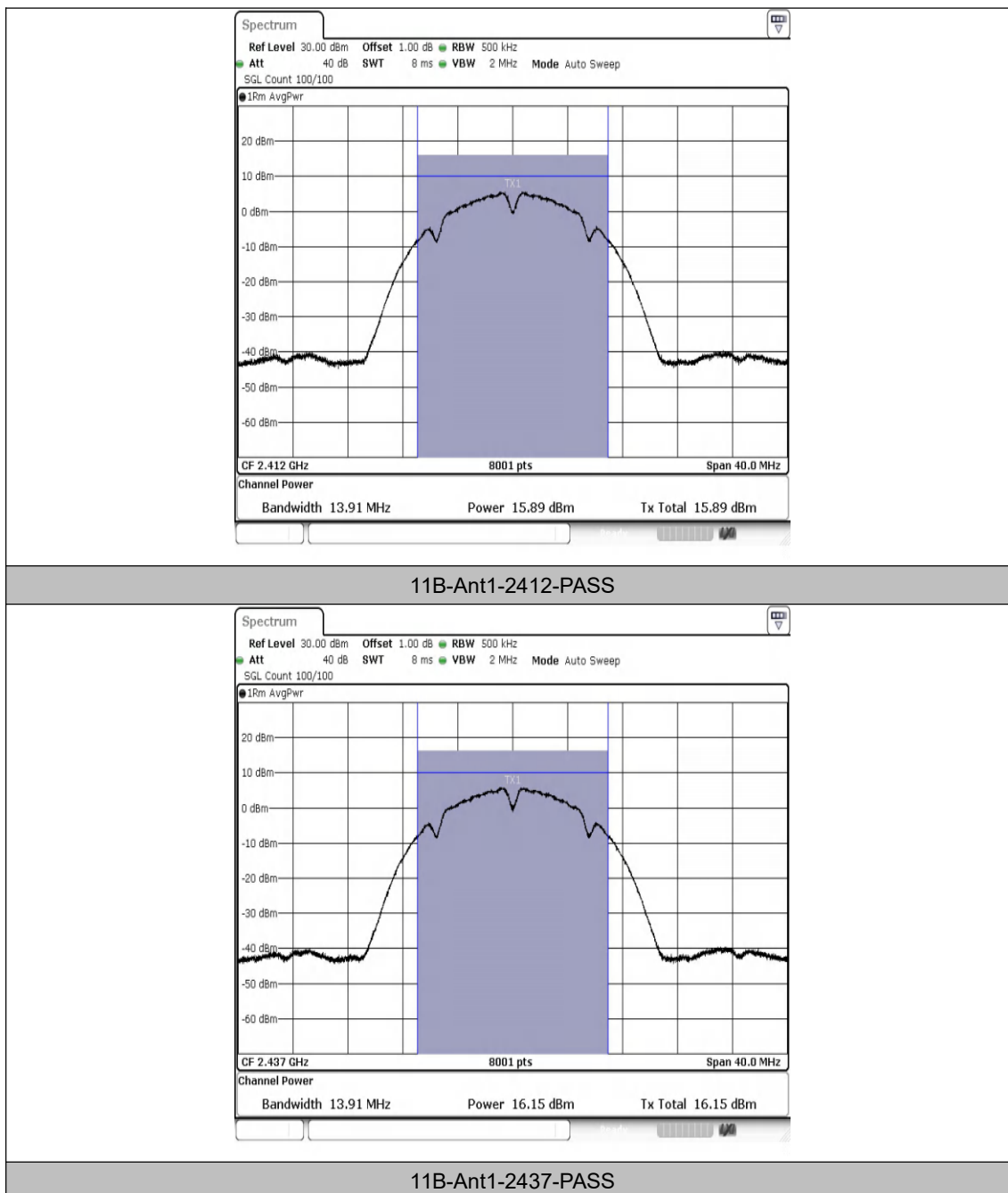
Appendix C: Maximum conducted output power

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	15.89	100.00	0.00	15.89	≤30.00	PASS
11B	Ant1	2437	NA	16.15	100.00	0.00	16.15	≤30.00	PASS
11B	Ant1	2462	NA	16.42	100.00	0.00	16.42	≤30.00	PASS
11G	Ant1	2412	NA	14.80	100.00	0.00	14.80	≤30.00	PASS
11G	Ant1	2437	NA	15.06	100.00	0.00	15.06	≤30.00	PASS
11G	Ant1	2462	NA	15.28	100.00	0.00	15.28	≤30.00	PASS
11N20SISO	Ant1	2412	NA	12.23	100.00	0.00	12.23	≤30.00	PASS
11N20SISO	Ant1	2437	NA	12.55	100.00	0.00	12.55	≤30.00	PASS
11N20SISO	Ant1	2462	NA	12.78	100.00	0.00	12.78	≤30.00	PASS

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

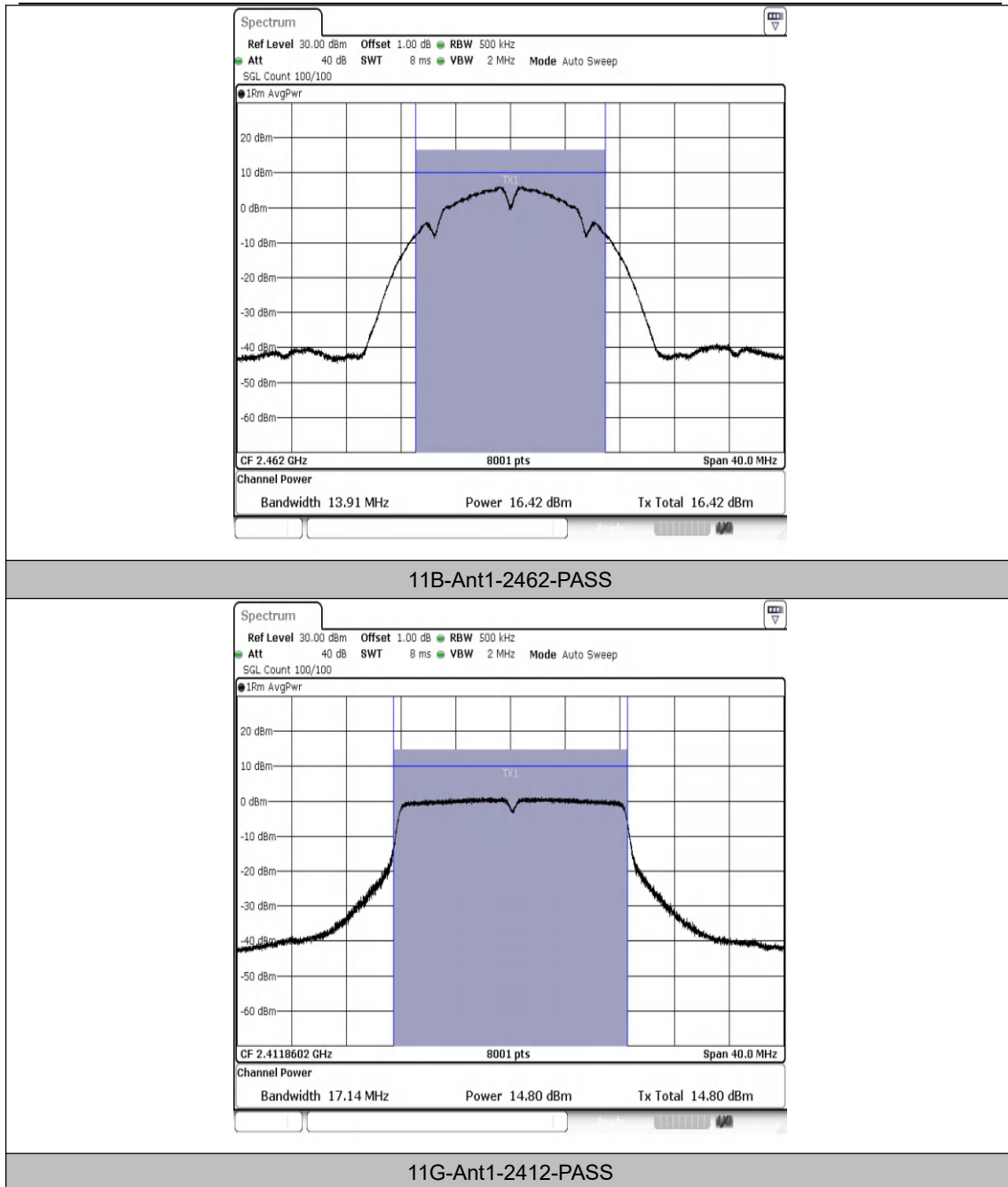
Test Graphs Average

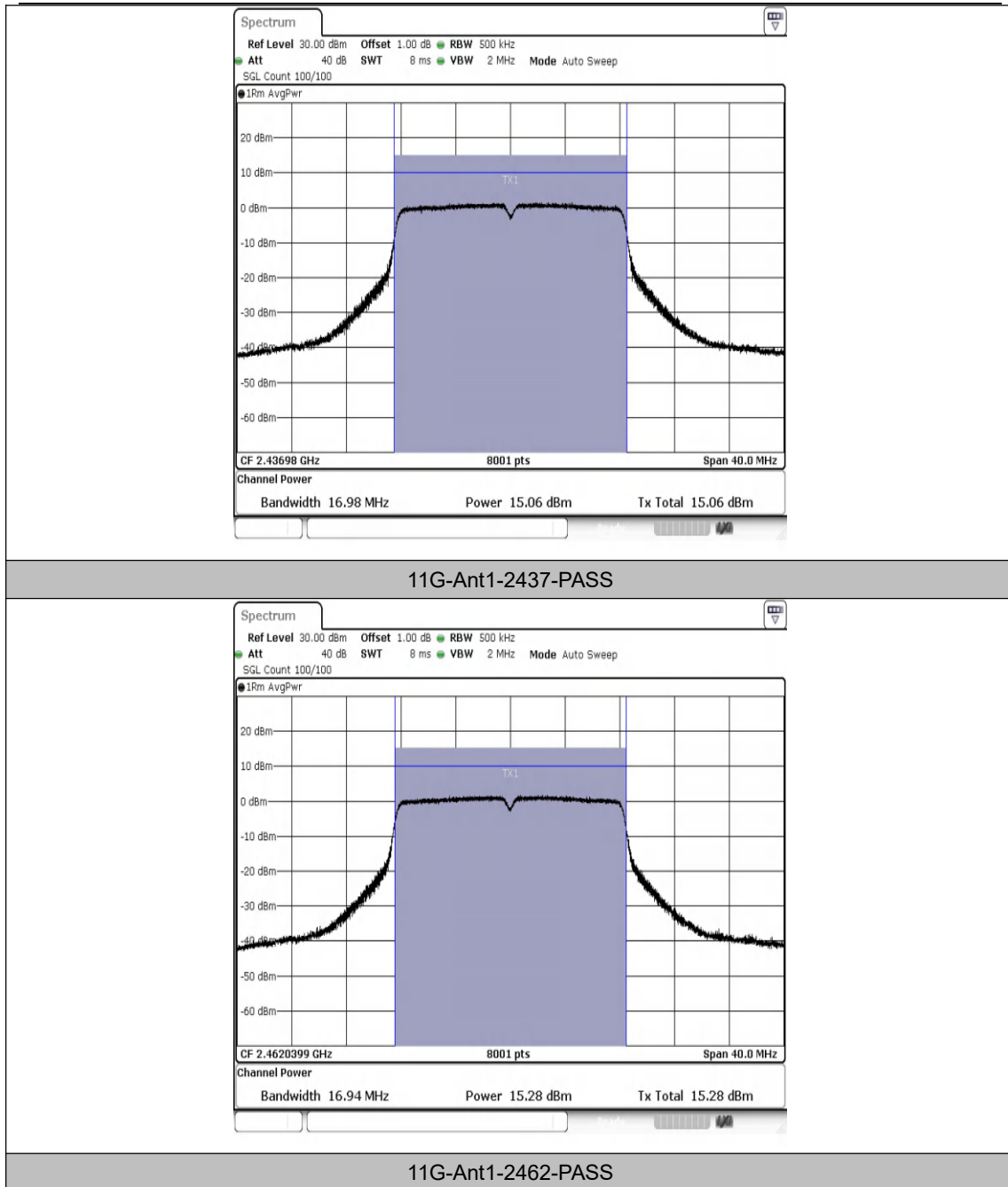


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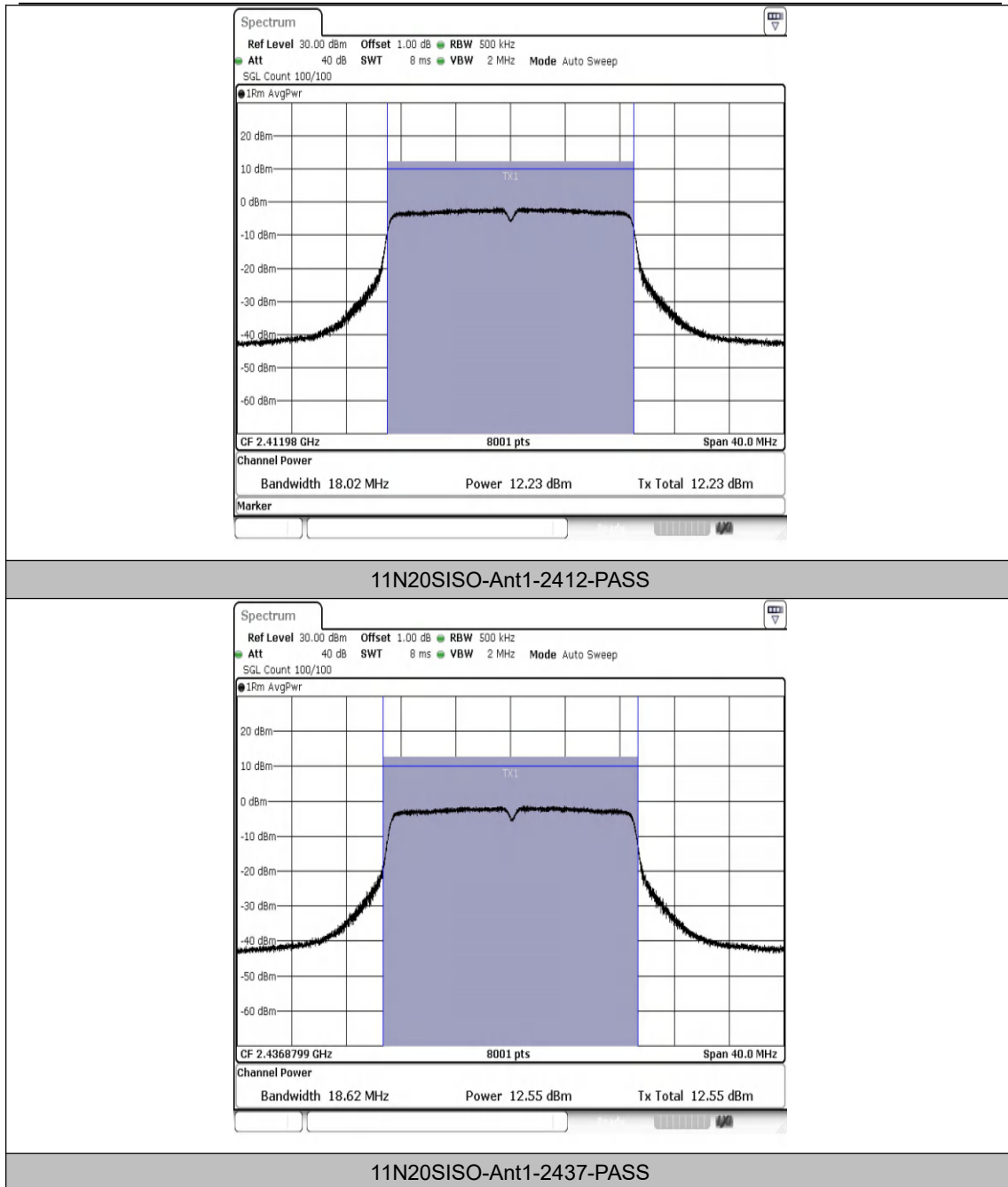




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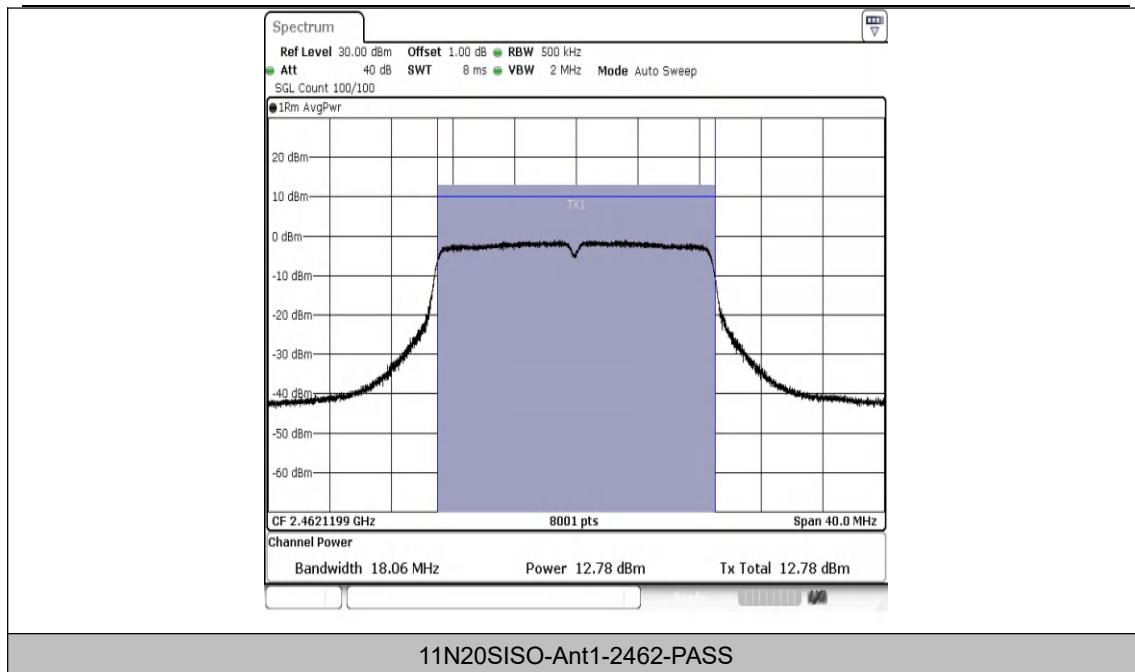
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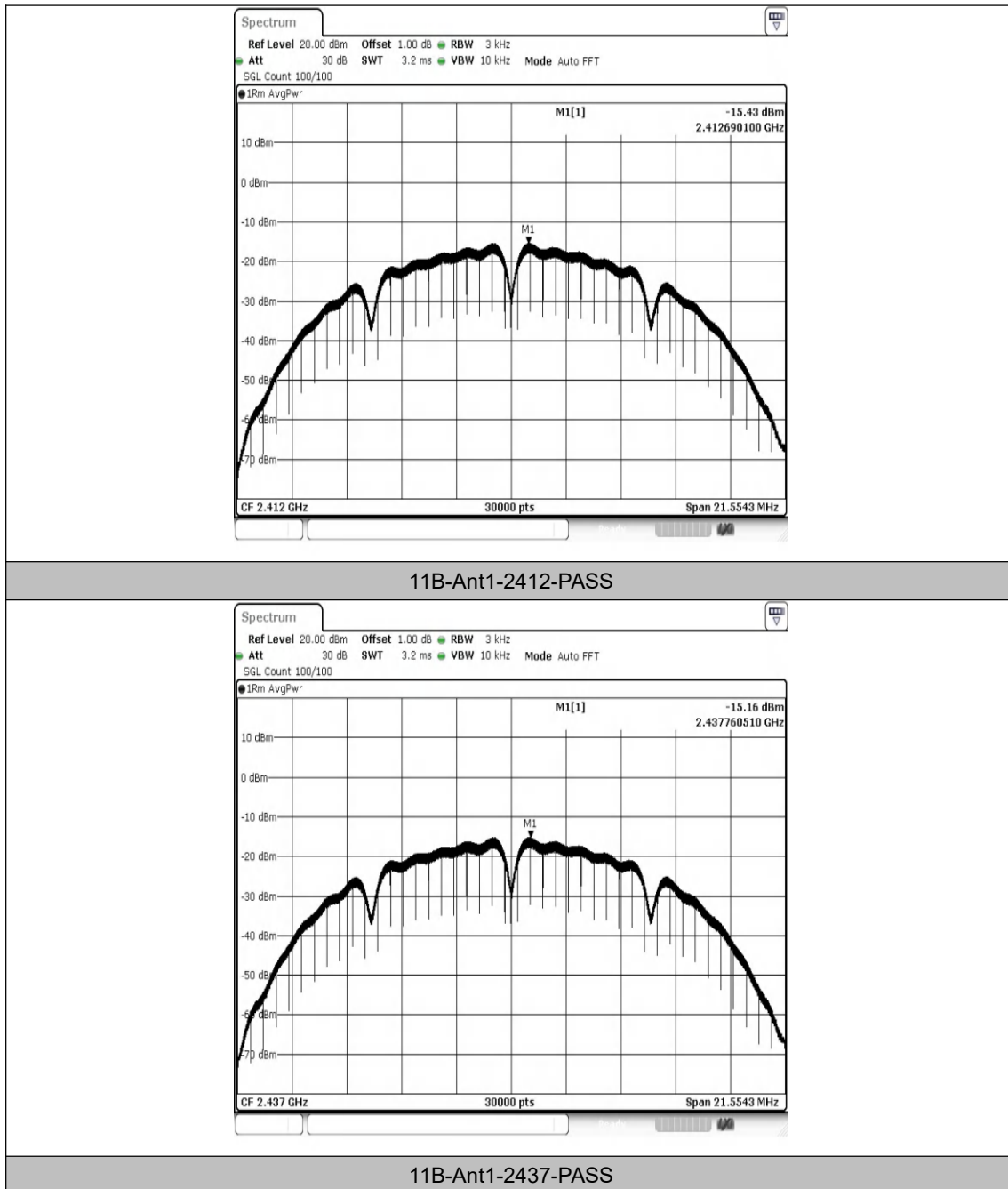
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.43	0.00	-15.43	≤8.00	PASS
11B	Ant1	2437	-15.16	0.00	-15.16	≤8.00	PASS
11B	Ant1	2462	-14.89	0.00	-14.89	≤8.00	PASS
11G	Ant1	2412	-17.08	0.00	-17.08	≤8.00	PASS
11G	Ant1	2437	-16.8	0.00	-16.80	≤8.00	PASS
11G	Ant1	2462	-16.71	0.00	-16.71	≤8.00	PASS
11N20ISO	Ant1	2412	-20.62	0.00	-20.62	≤8.00	PASS
11N20ISO	Ant1	2437	-20.03	0.00	-20.03	≤8.00	PASS
11N20ISO	Ant1	2462	-19.89	0.00	-19.89	≤8.00	PASS

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

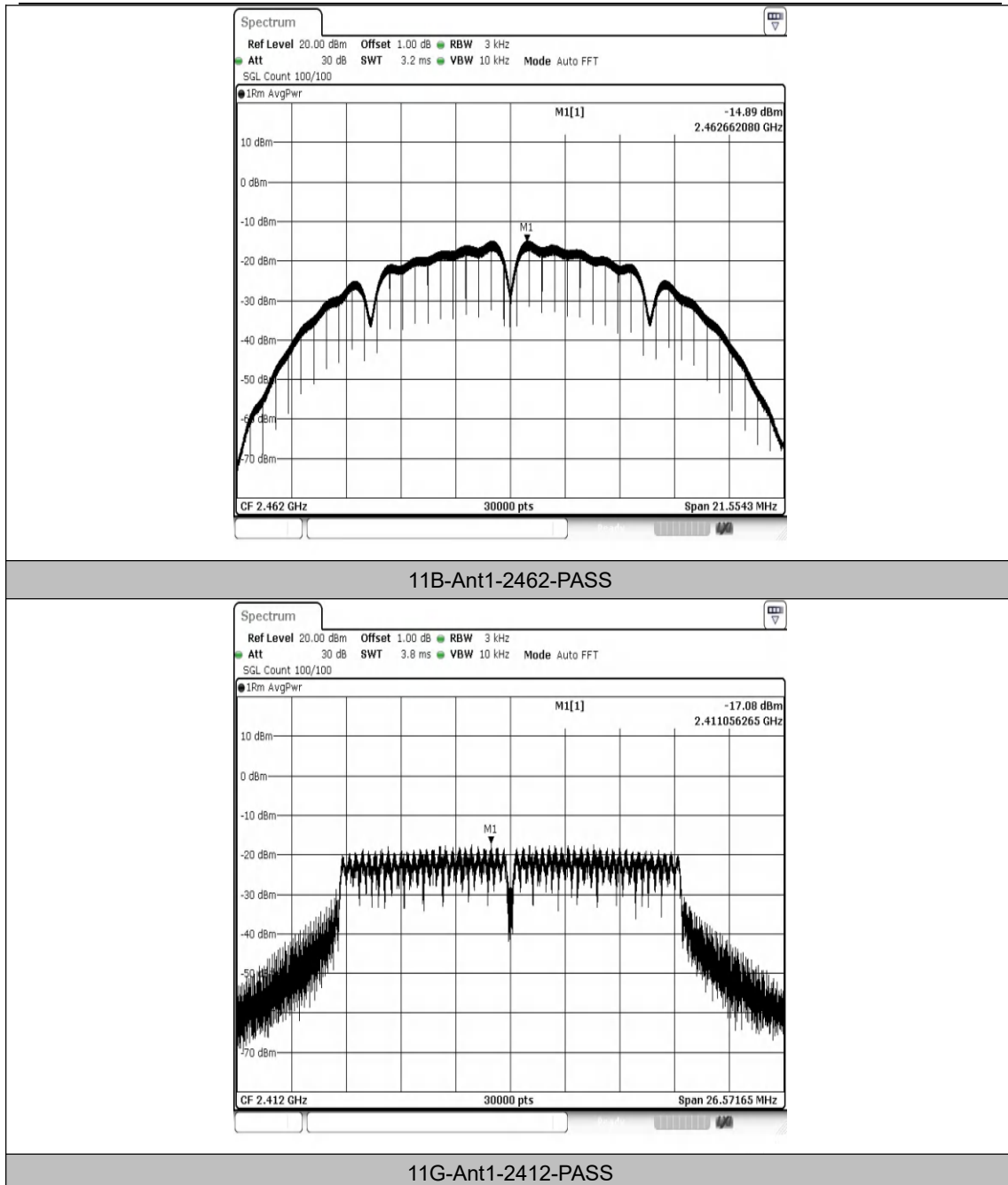
Test Graphs



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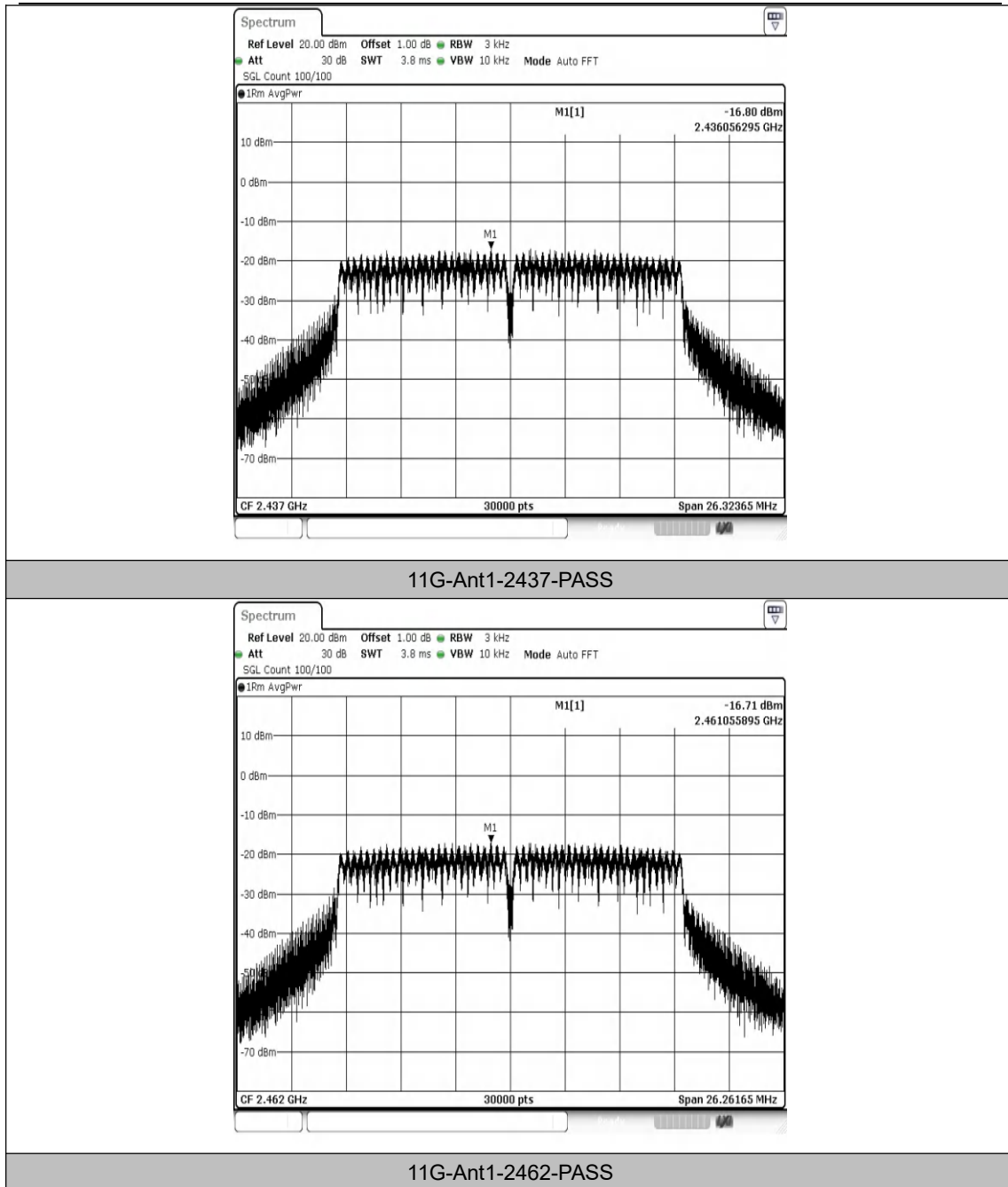
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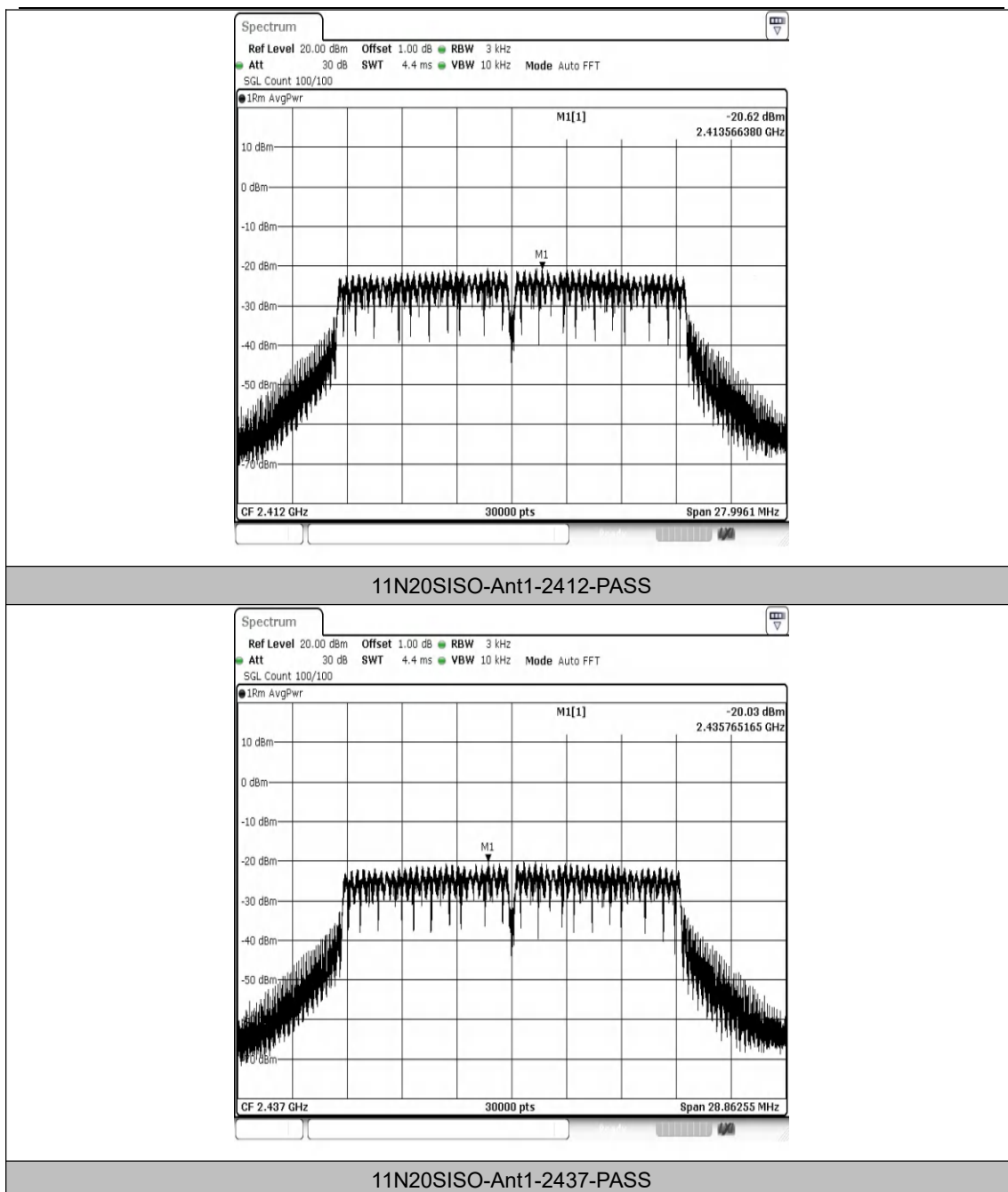
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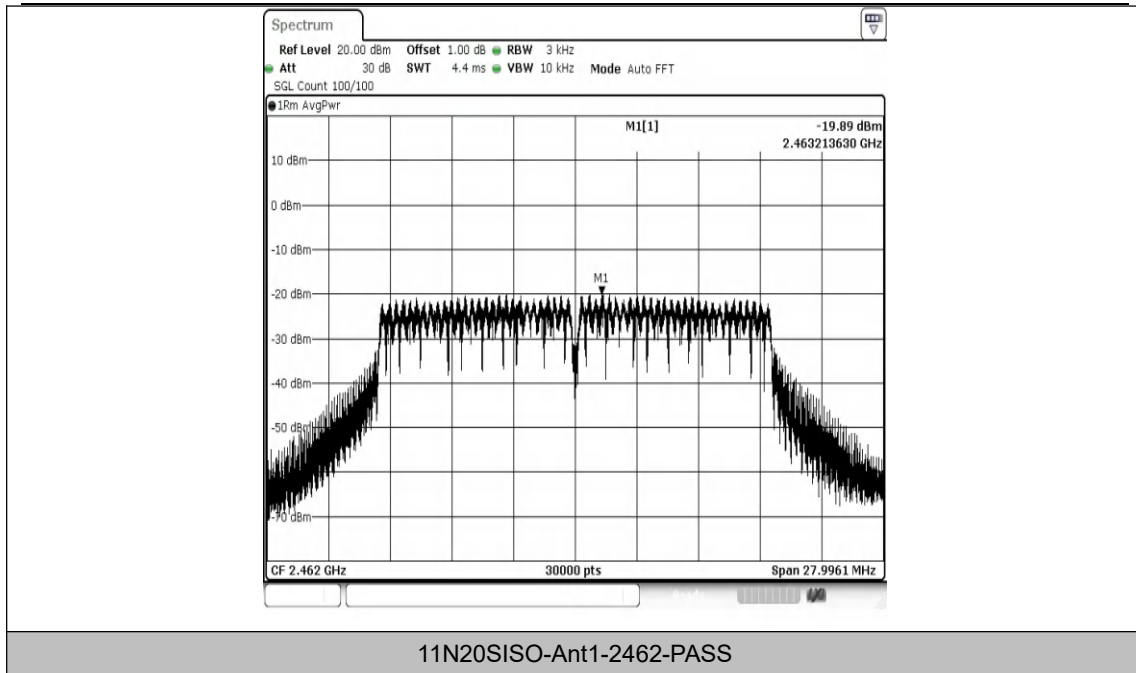


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Appendix E: Conducted Band edge

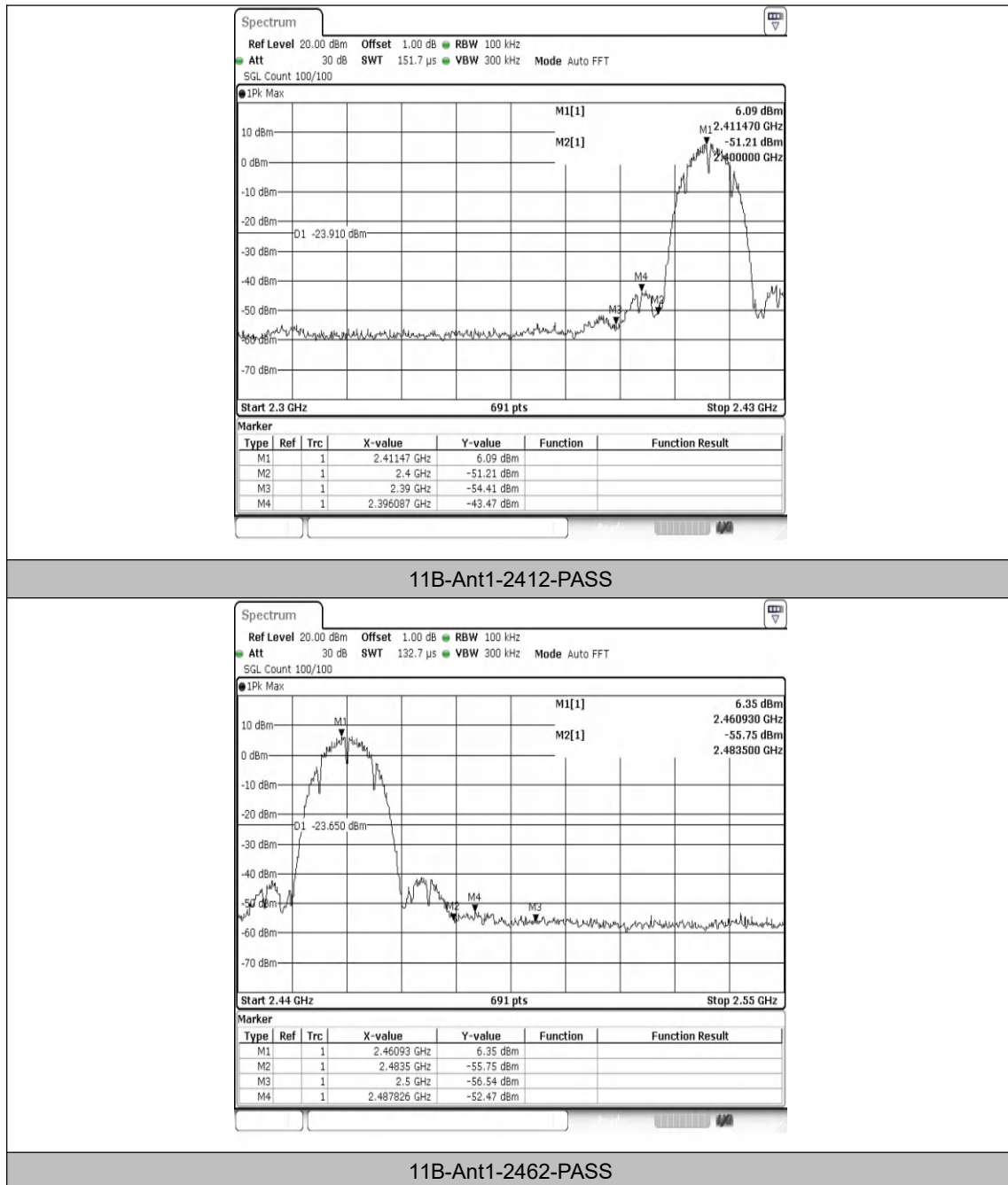
Test Result

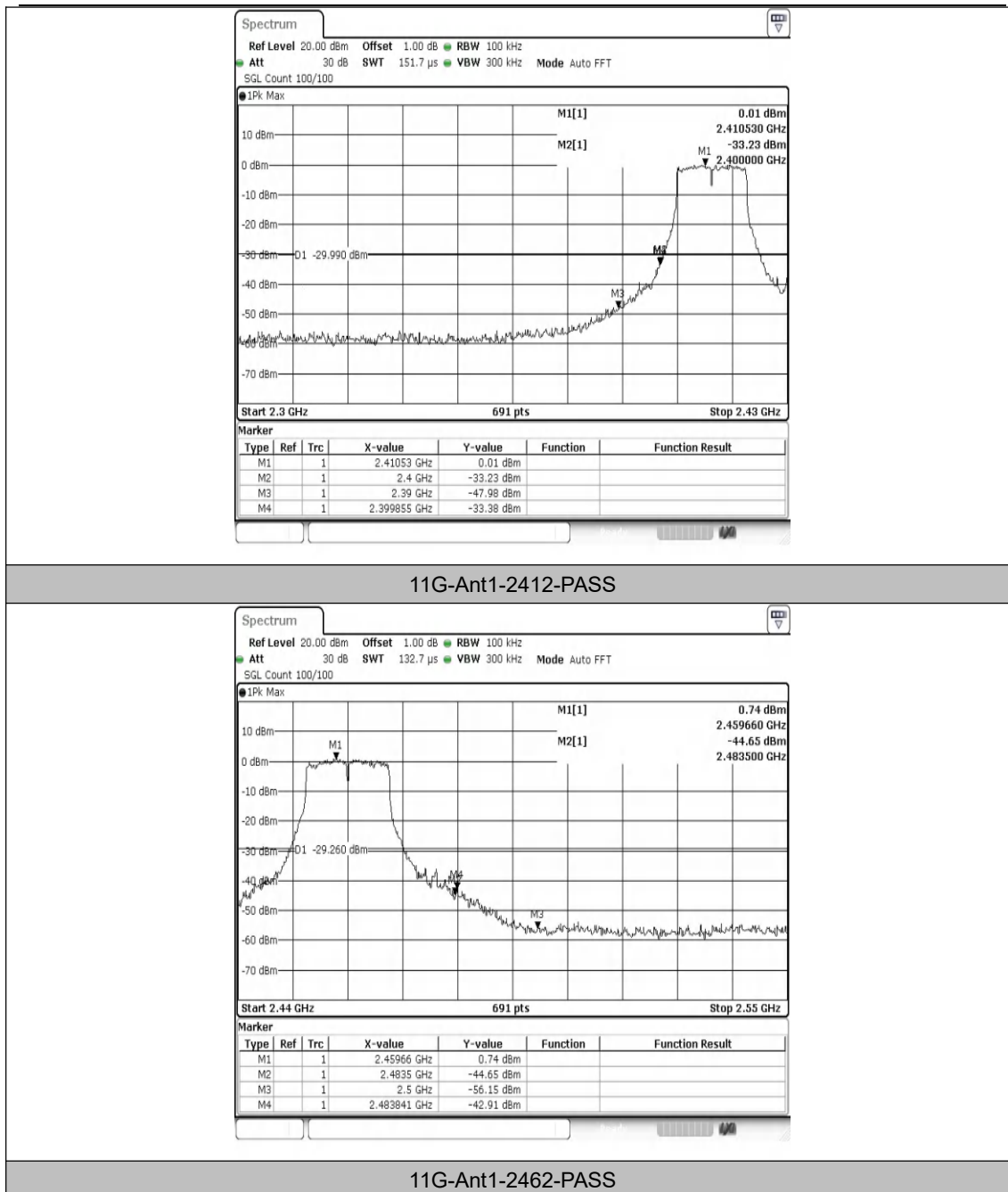
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.09	-43.47	≤-23.91	PASS
11B	Ant1	High	2462	6.35	-52.47	≤-23.65	PASS
11G	Ant1	Low	2412	0.01	-33.38	≤-29.99	PASS
11G	Ant1	High	2462	0.74	-42.91	≤-29.26	PASS
11N20SISO	Ant1	Low	2412	-1.64	-35.59	≤-31.64	PASS
11N20SISO	Ant1	High	2462	-1.03	-48.04	≤-31.03	PASS

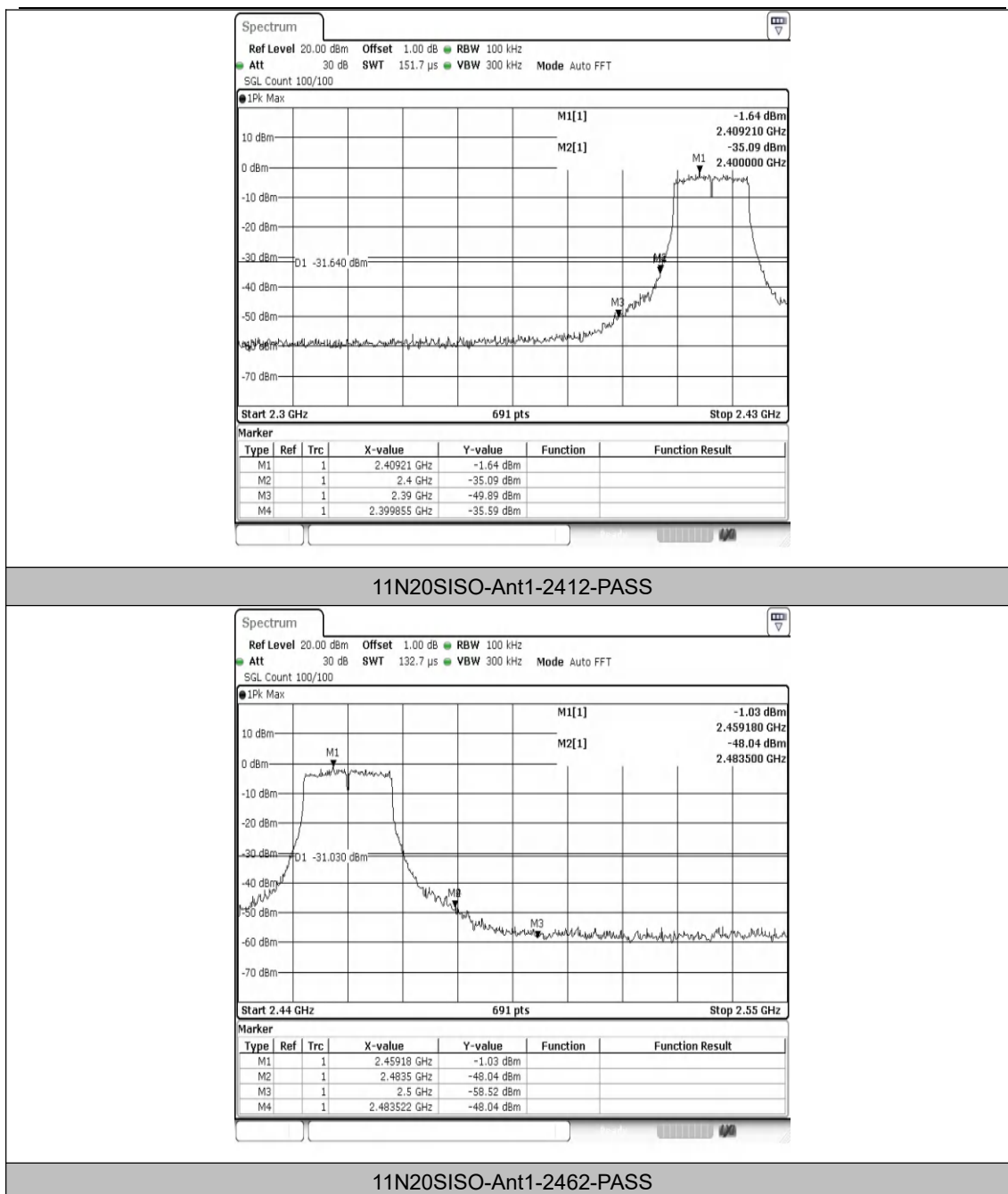
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs







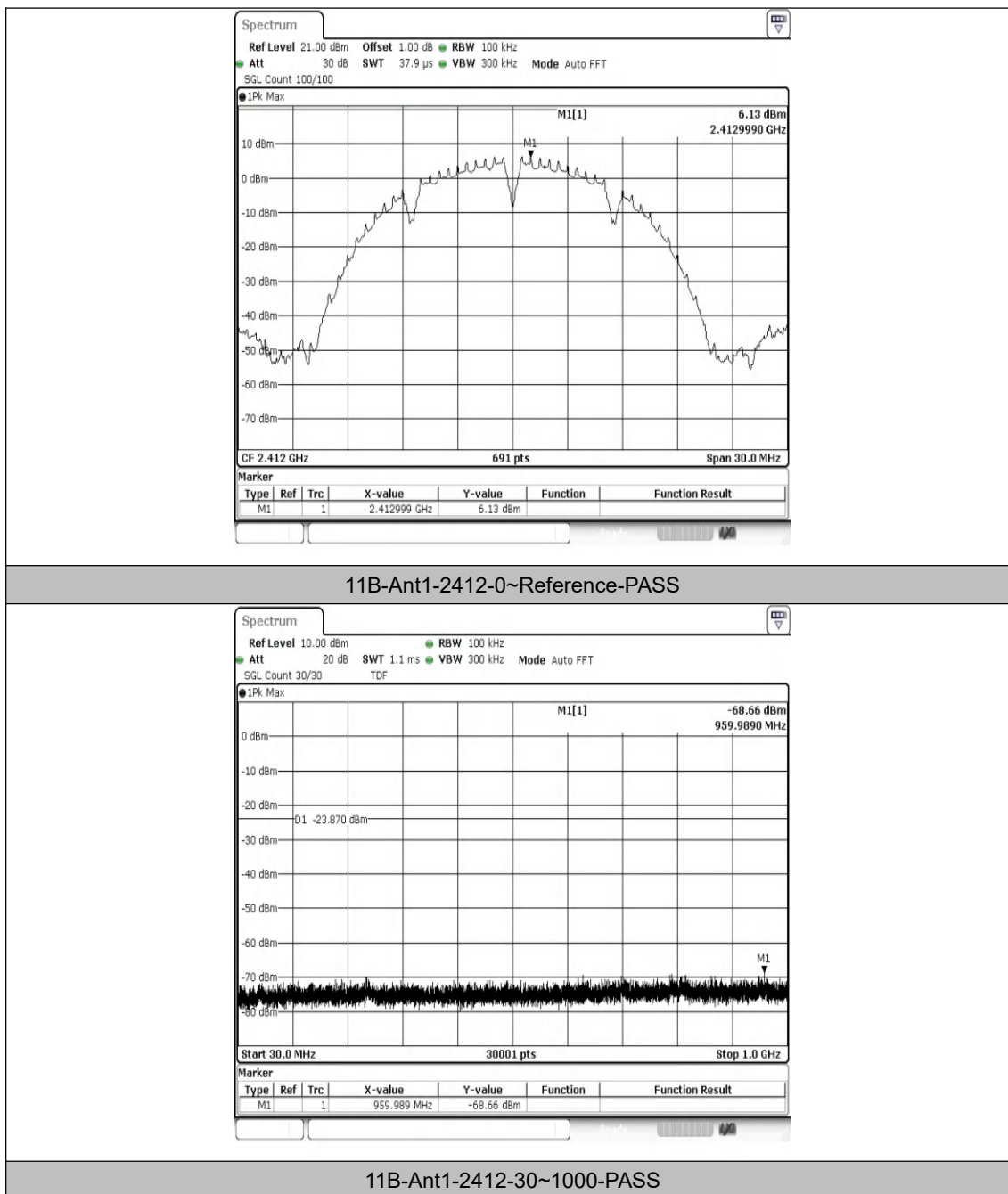
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.13	6.13	---	PASS
11B	Ant1	2412	30~1000	6.13	-68.66	≤-23.87	PASS
11B	Ant1	2412	1000~26500	6.13	-41.89	≤-23.87	PASS
11B	Ant1	2437	0~Reference	6.33	6.33	---	PASS
11B	Ant1	2437	30~1000	6.33	-68.06	≤-23.67	PASS
11B	Ant1	2437	1000~26500	6.33	-41.88	≤-23.67	PASS
11B	Ant1	2462	0~Reference	6.38	6.38	---	PASS
11B	Ant1	2462	30~1000	6.38	-68.54	≤-23.62	PASS
11B	Ant1	2462	1000~26500	6.38	-43.68	≤-23.62	PASS
11G	Ant1	2412	0~Reference	0.16	0.16	---	PASS
11G	Ant1	2412	30~1000	0.16	-68.38	≤-29.84	PASS
11G	Ant1	2412	1000~26500	0.16	-52.5	≤-29.84	PASS
11G	Ant1	2437	0~Reference	0.52	0.52	---	PASS
11G	Ant1	2437	30~1000	0.52	-68.51	≤-29.48	PASS
11G	Ant1	2437	1000~26500	0.52	-51.67	≤-29.48	PASS
11G	Ant1	2462	0~Reference	1.06	1.06	---	PASS
11G	Ant1	2462	30~1000	1.06	-68.12	≤-28.94	PASS
11G	Ant1	2462	1000~26500	1.06	-49.52	≤-28.94	PASS
11N20SISO	Ant1	2412	0~Reference	-2.22	-2.22	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.22	-69.2	≤-32.22	PASS
11N20SISO	Ant1	2412	1000~26500	-2.22	-51.79	≤-32.22	PASS
11N20SISO	Ant1	2437	0~Reference	-1.48	-1.48	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.48	-67.95	≤-31.48	PASS
11N20SISO	Ant1	2437	1000~26500	-1.48	-52.45	≤-31.48	PASS
11N20SISO	Ant1	2462	0~Reference	-1.85	-1.85	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.85	-68.88	≤-31.85	PASS
11N20SISO	Ant1	2462	1000~26500	-1.85	-54.27	≤-31.85	PASS

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

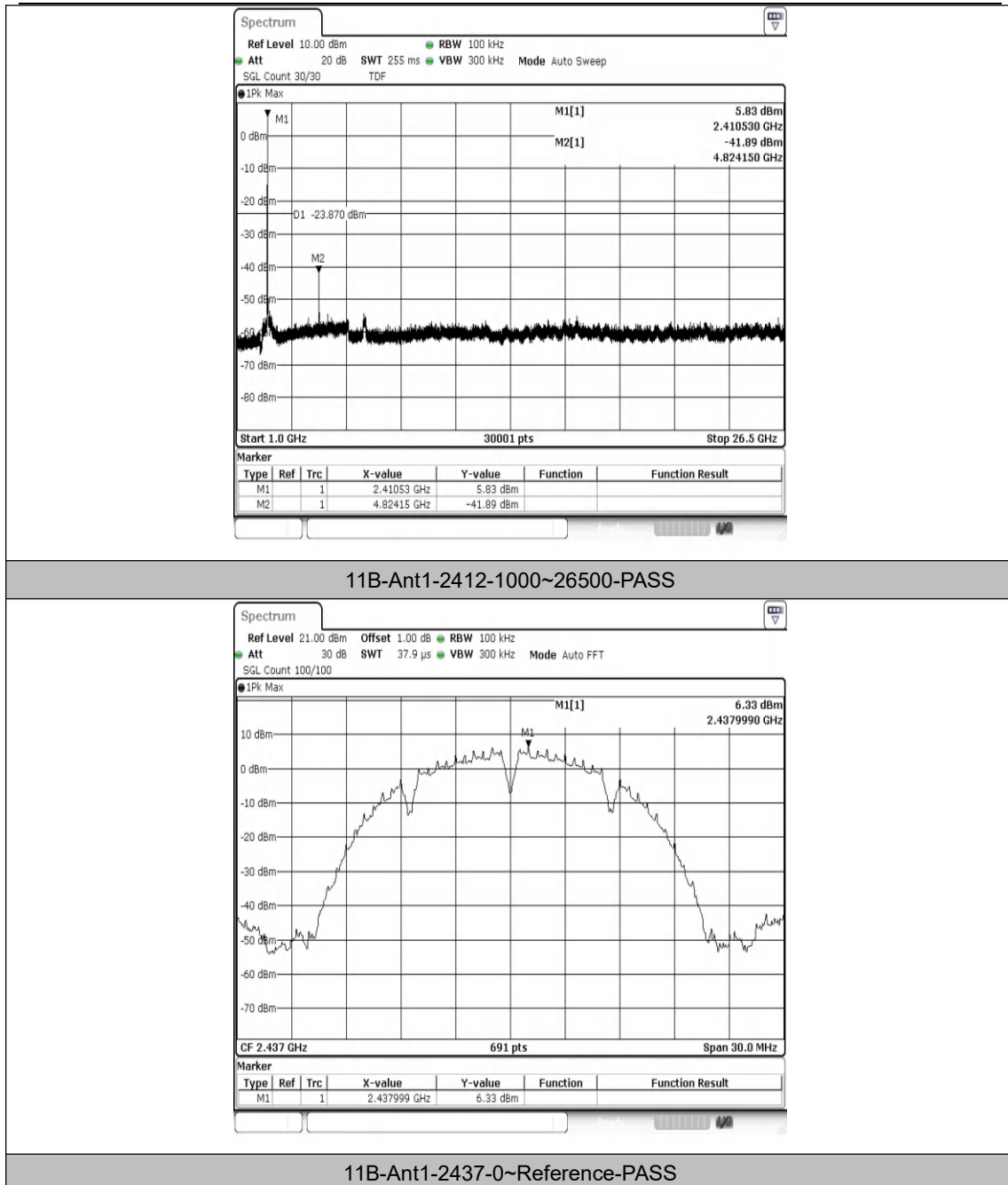
Test Graphs



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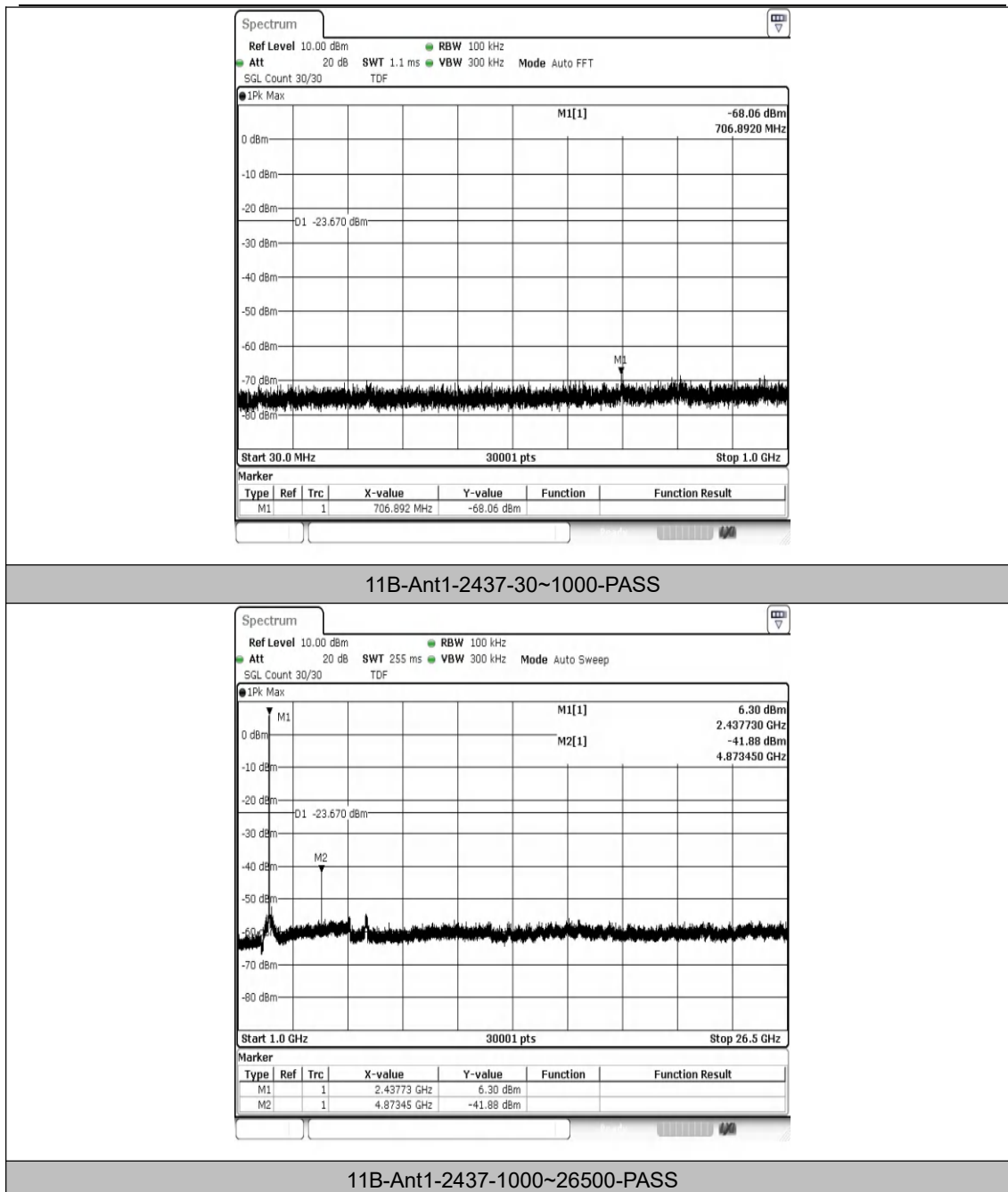
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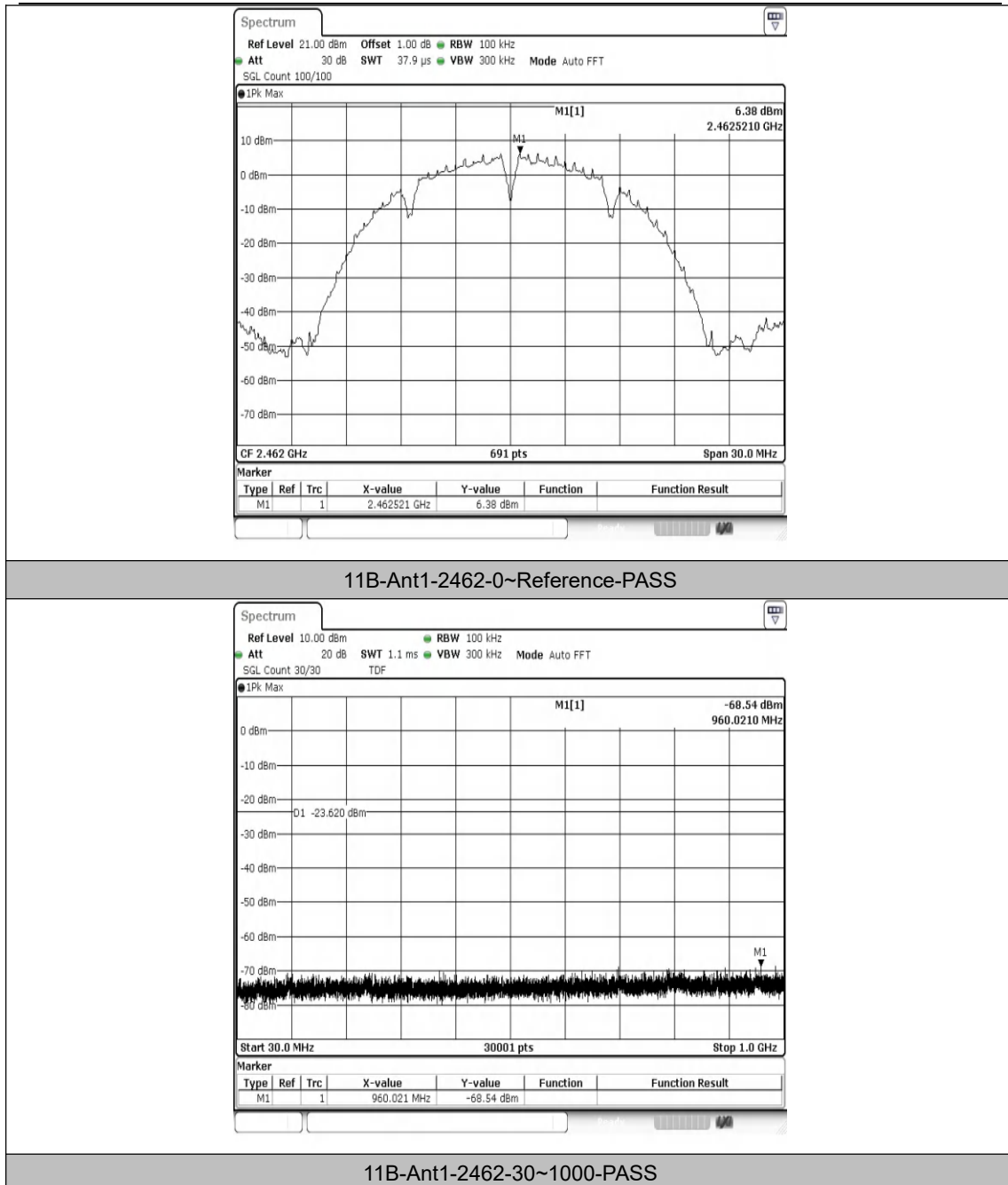
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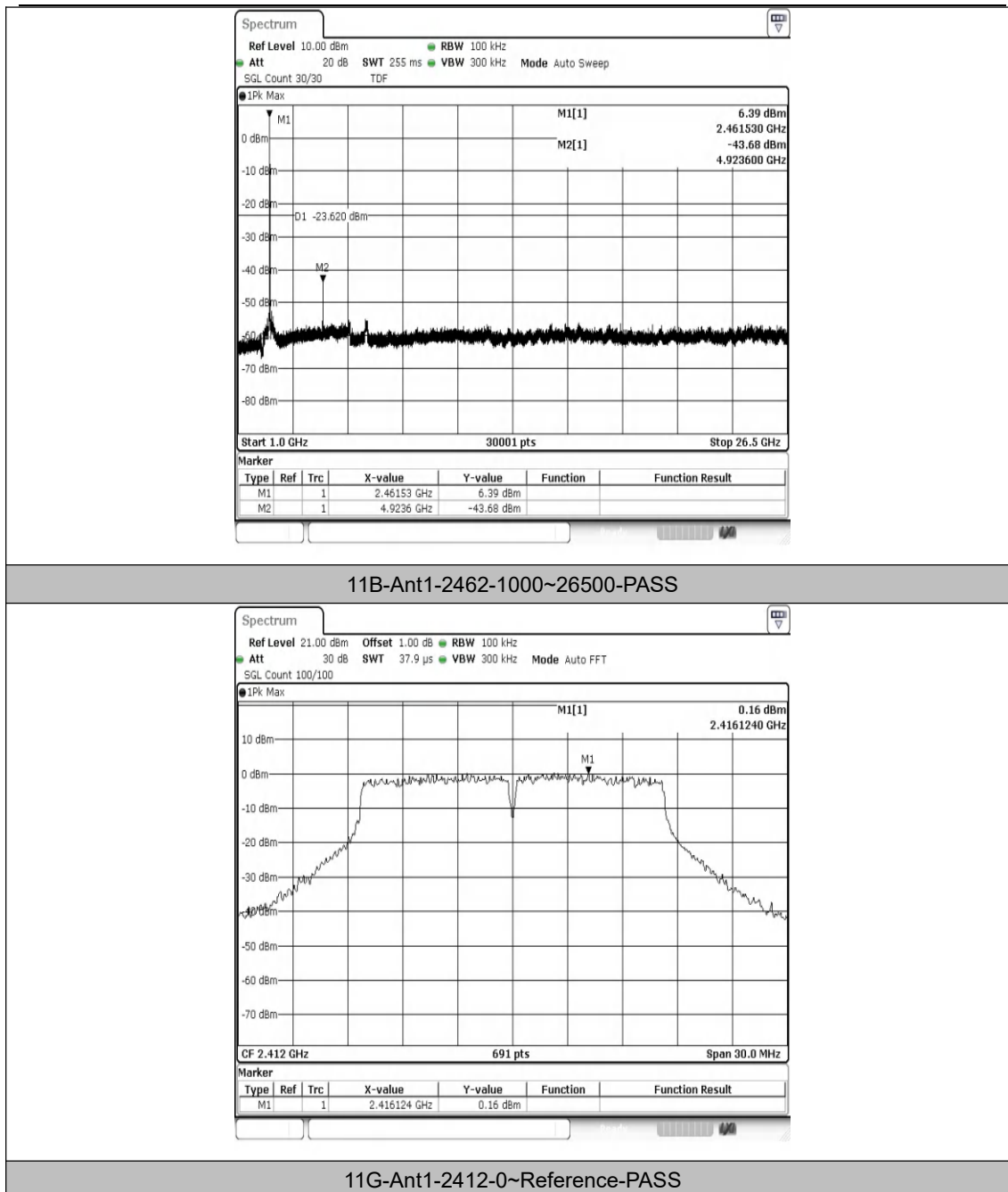
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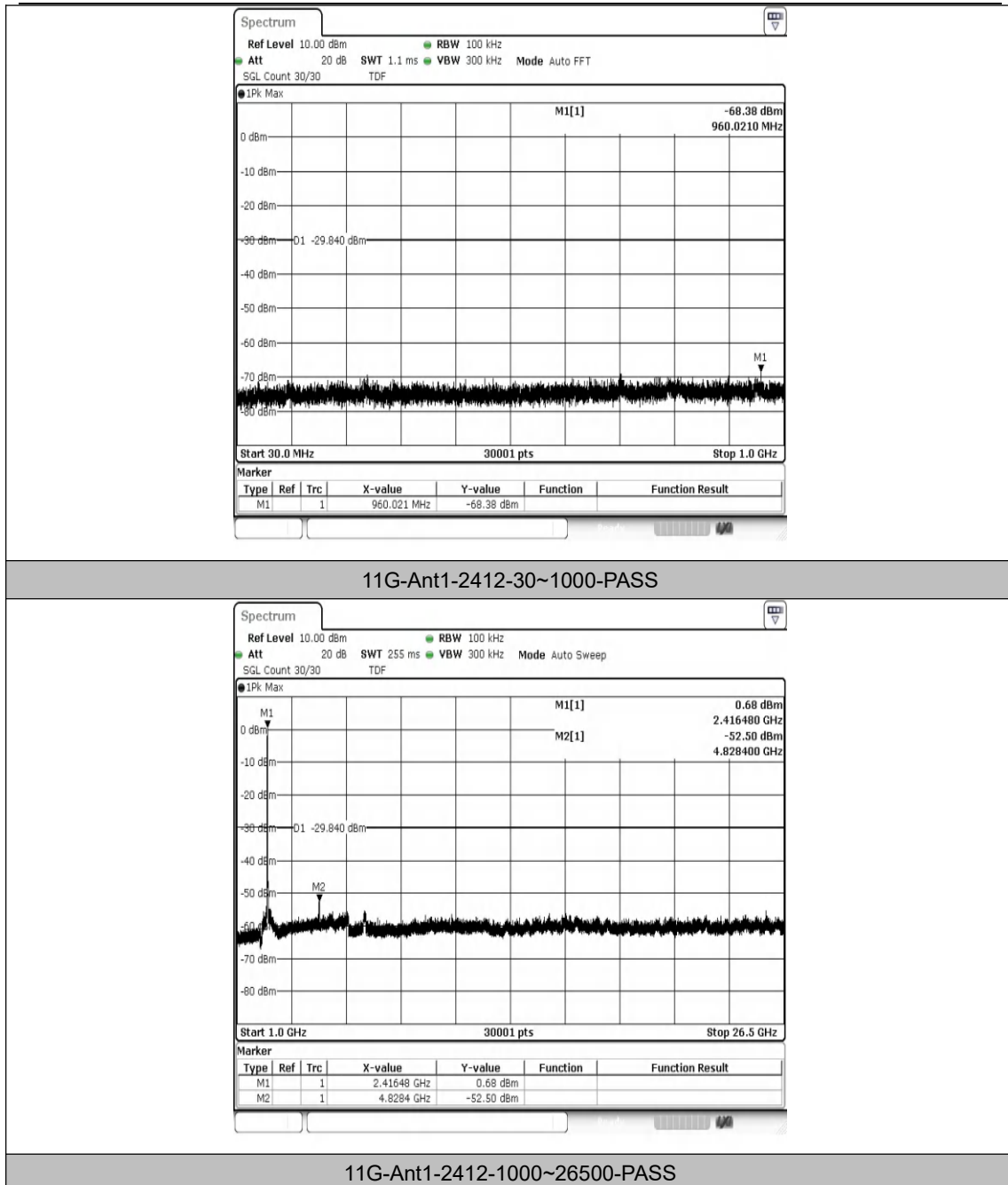
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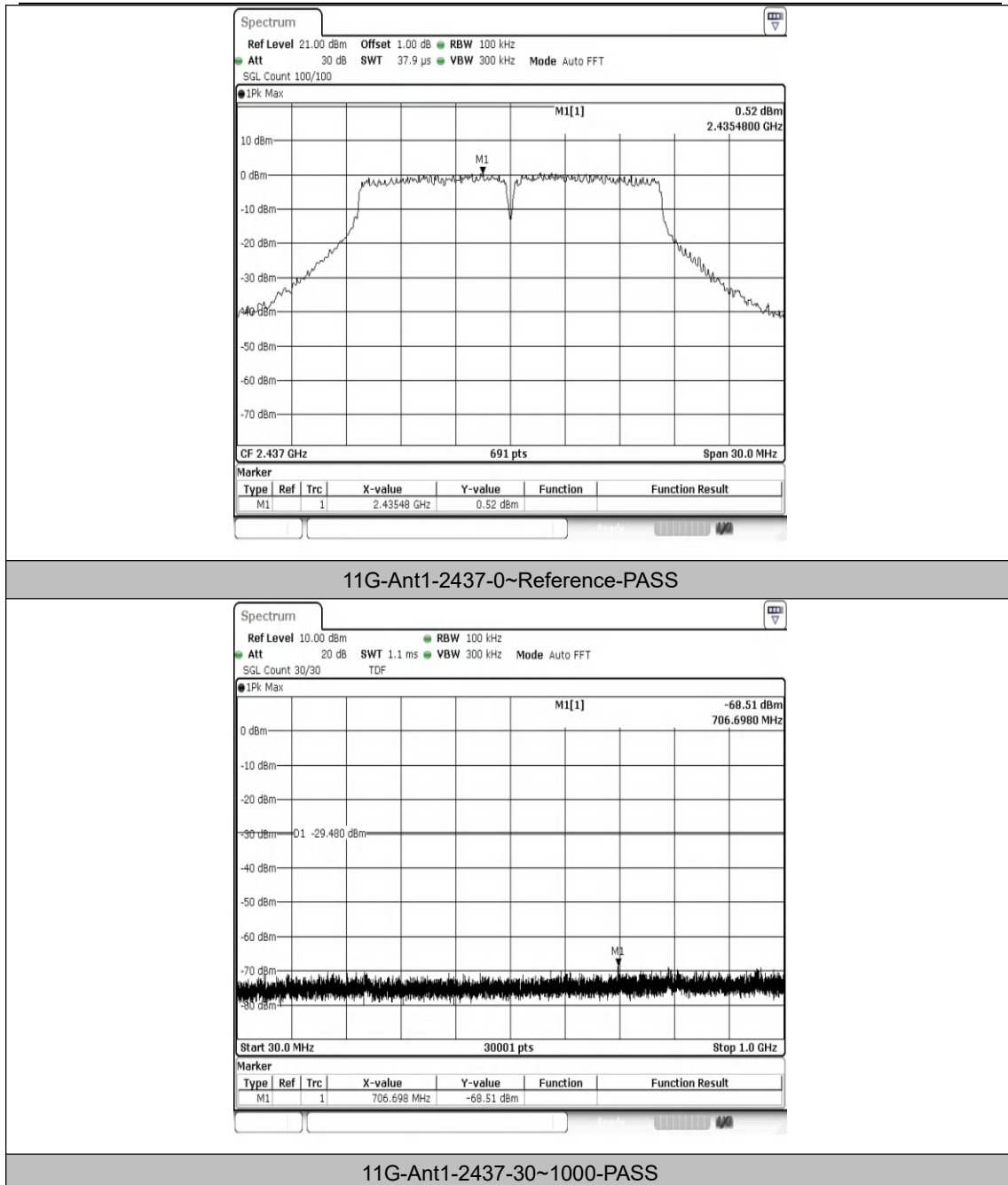
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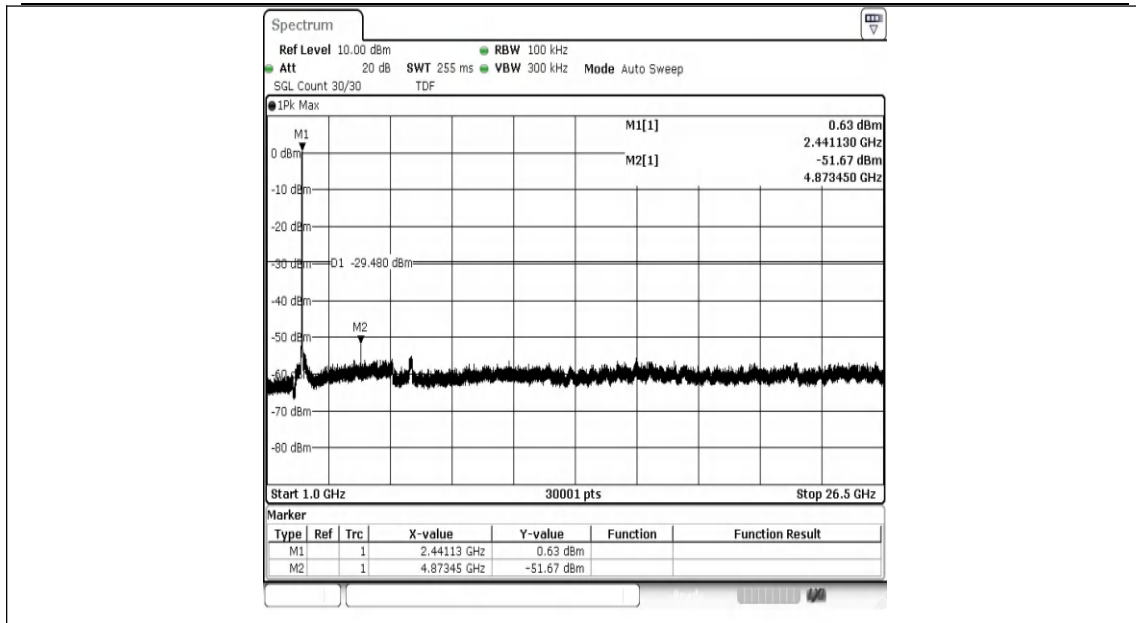


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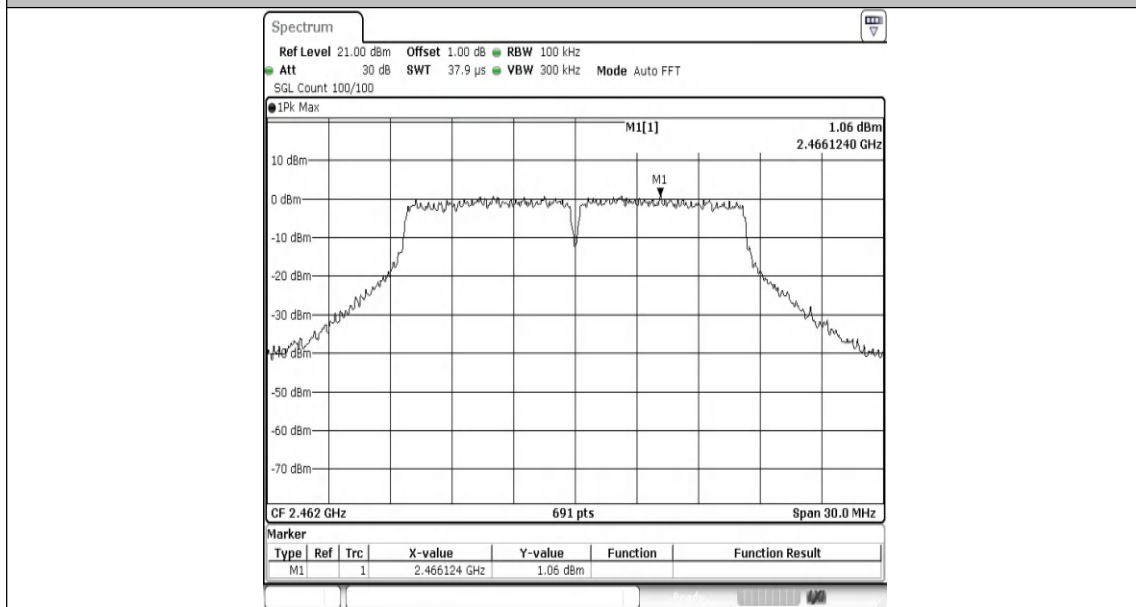
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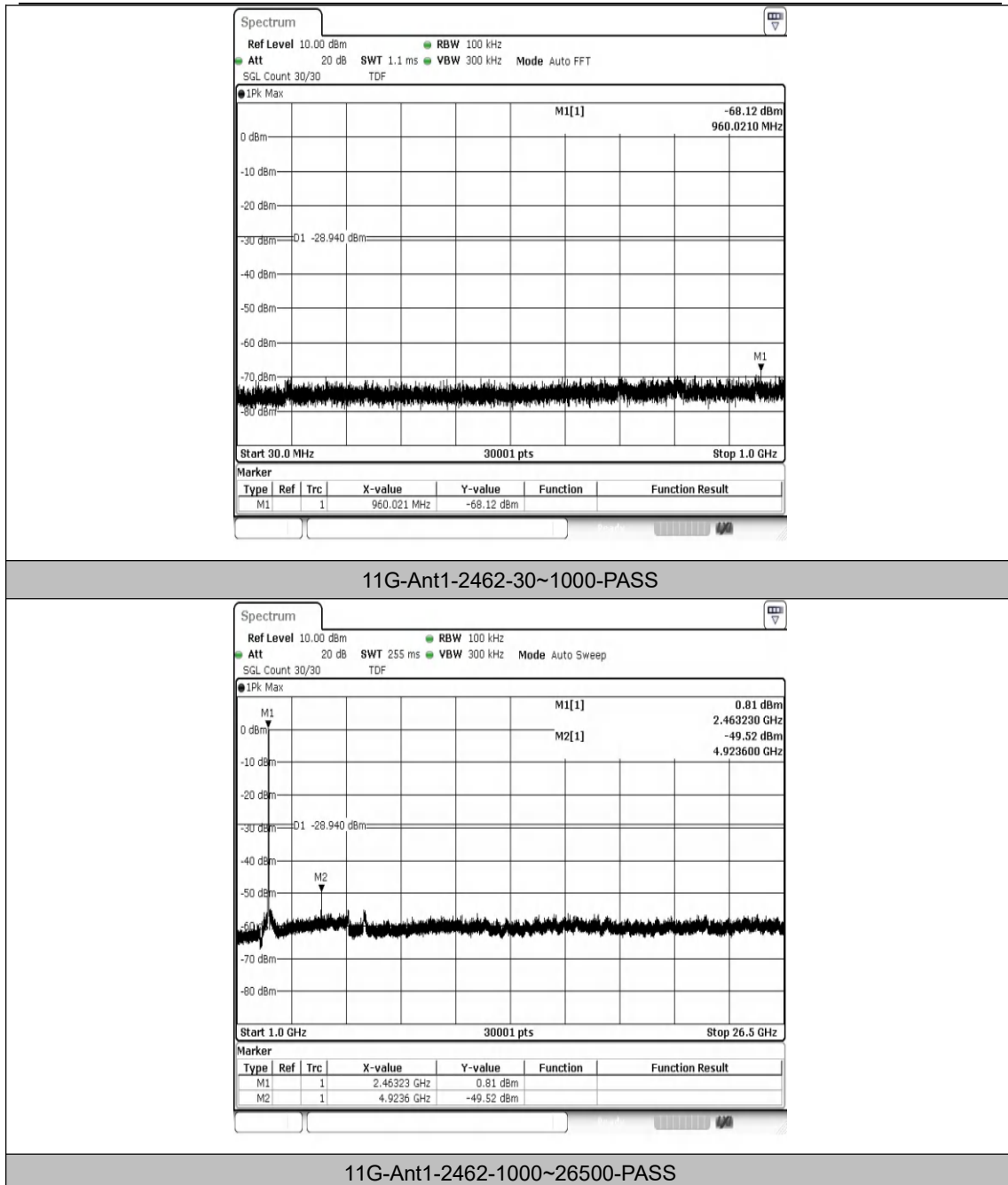




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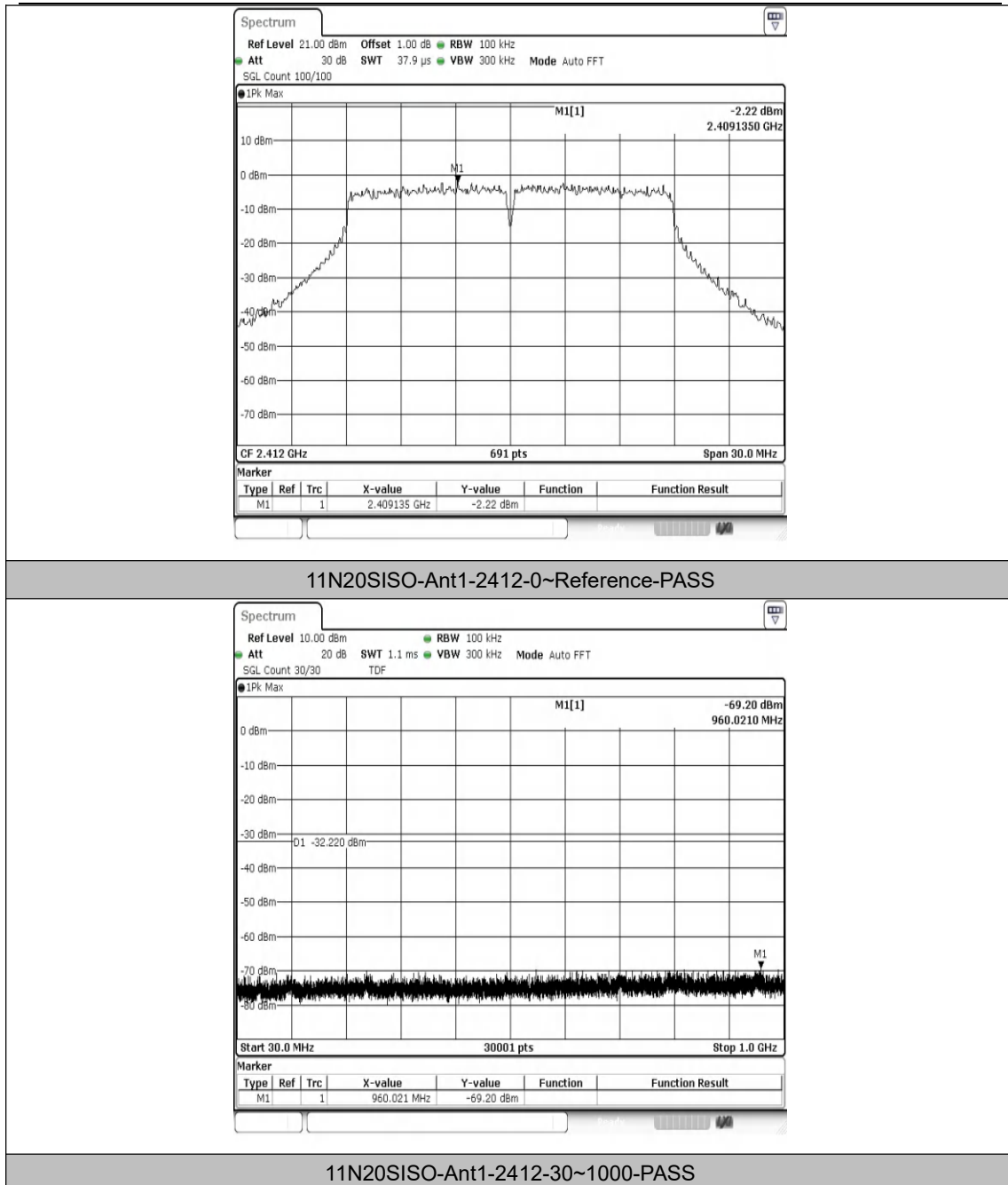
11G-Ant1-2462-0~Reference-PASS



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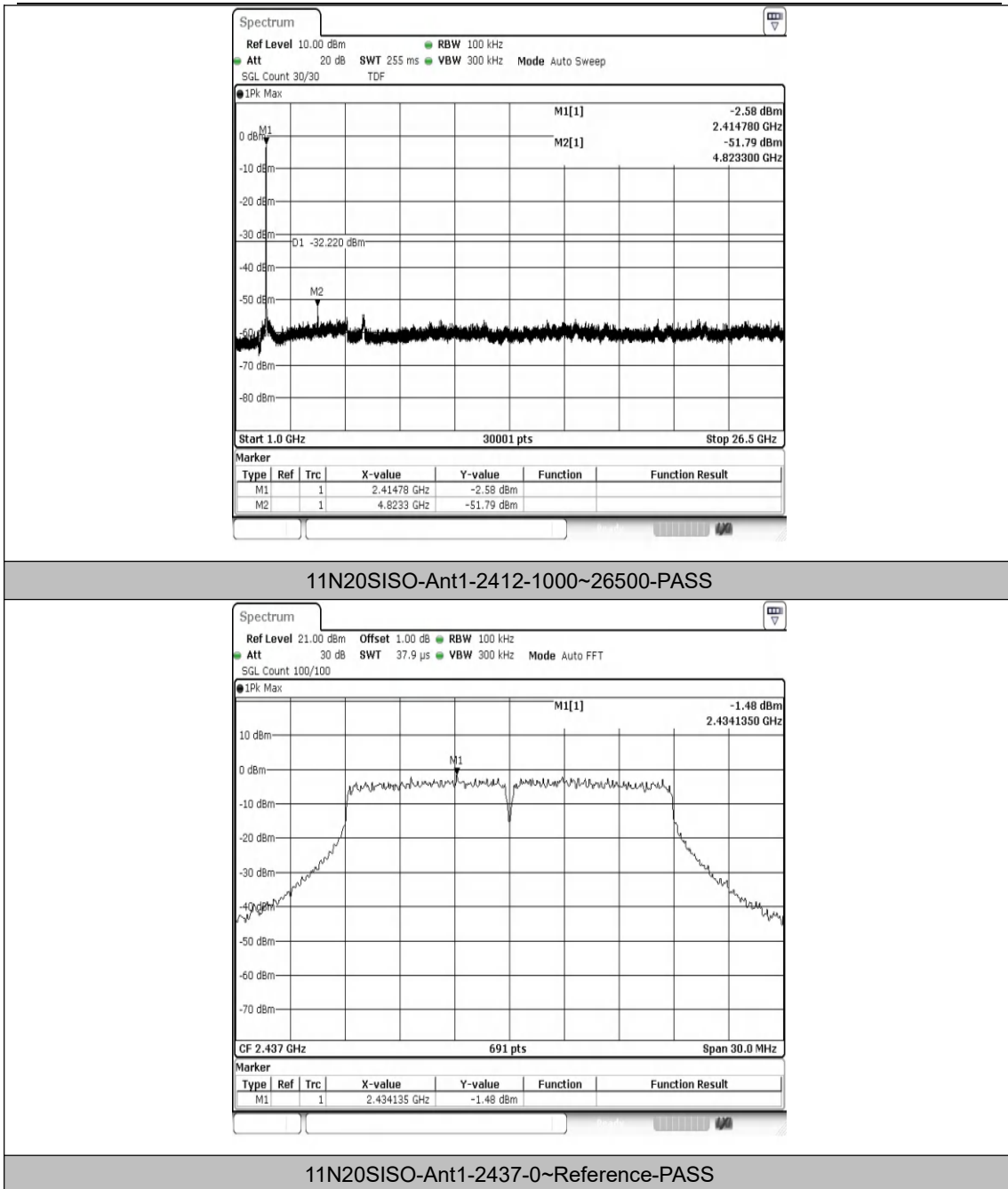
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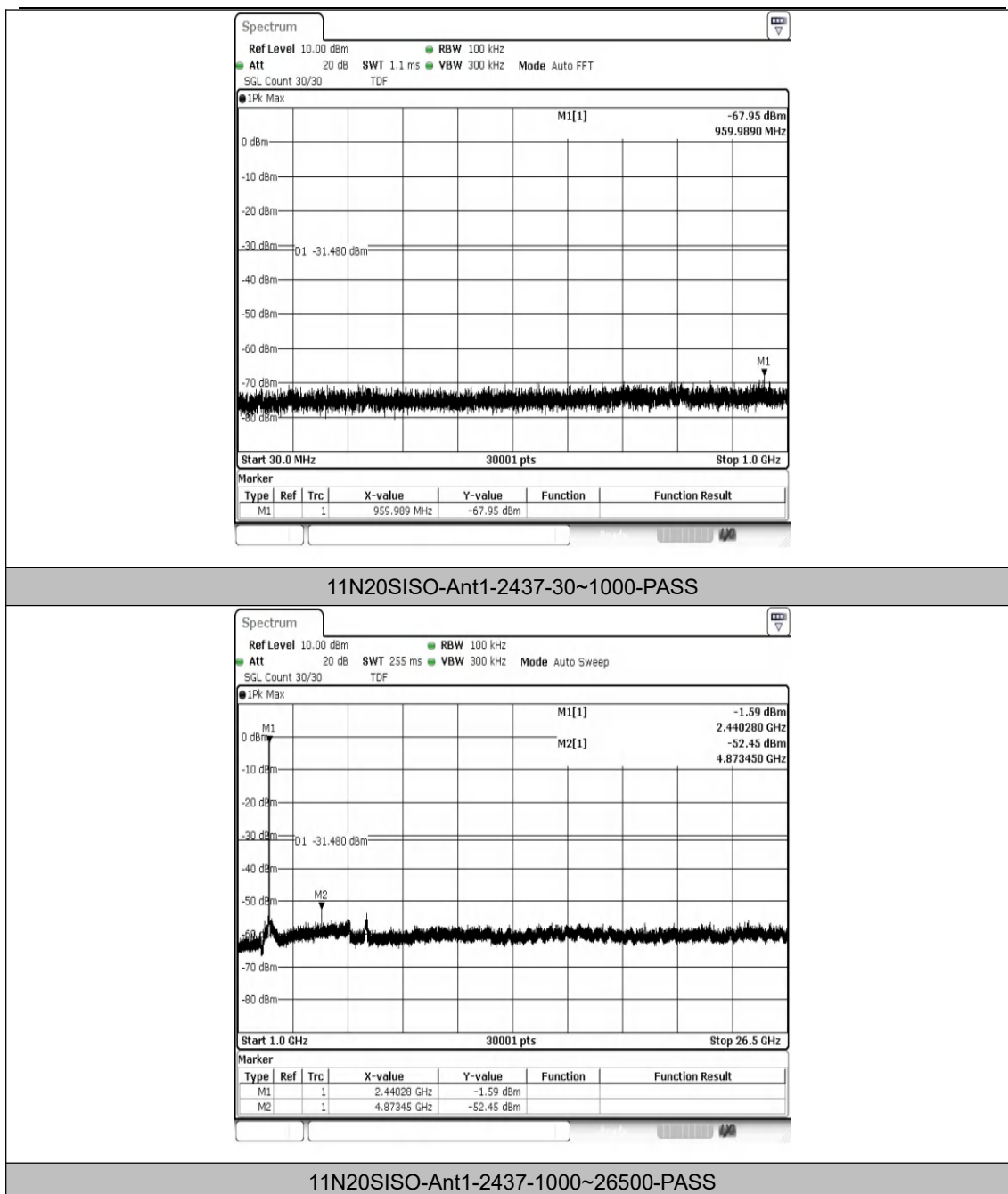
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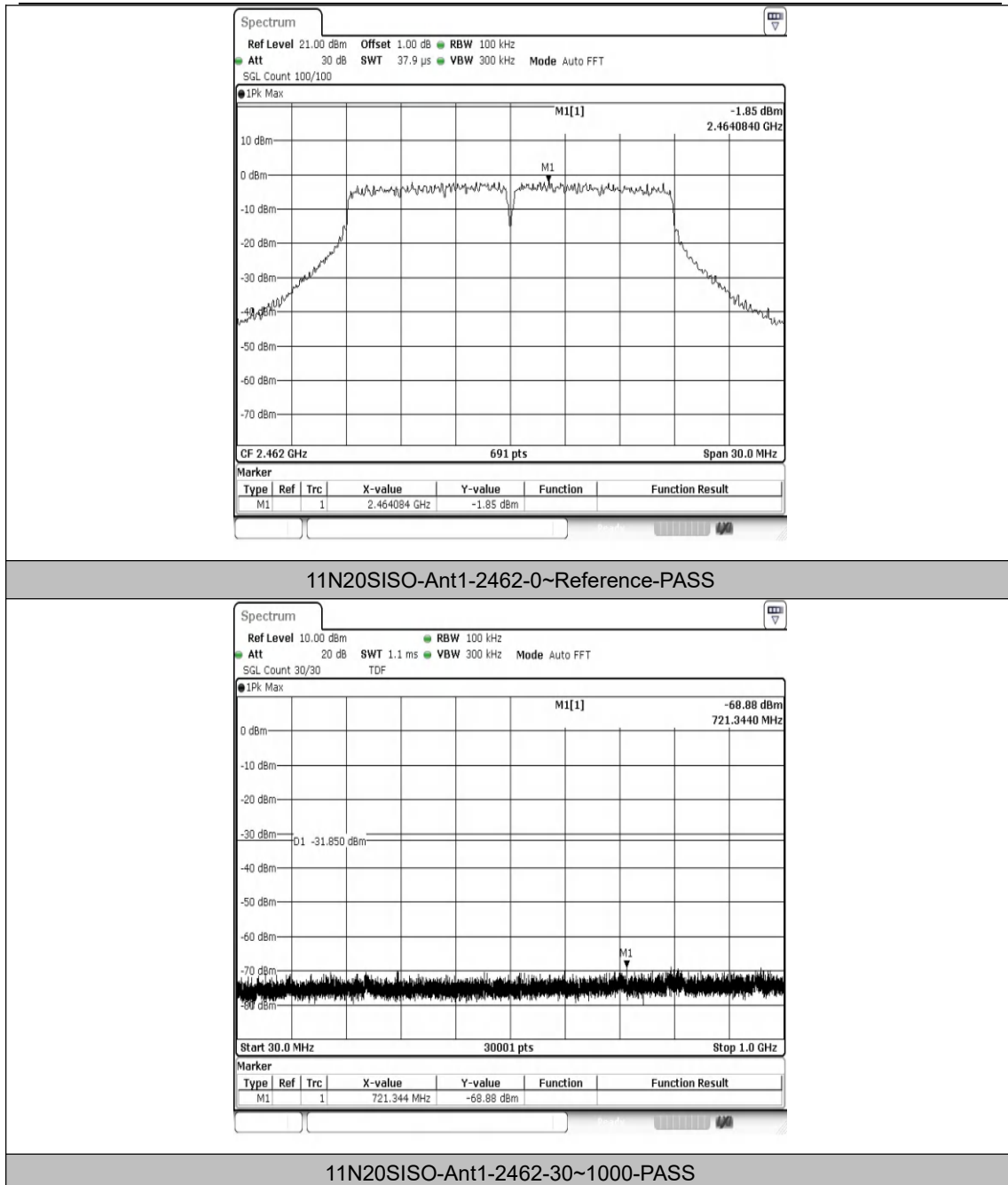
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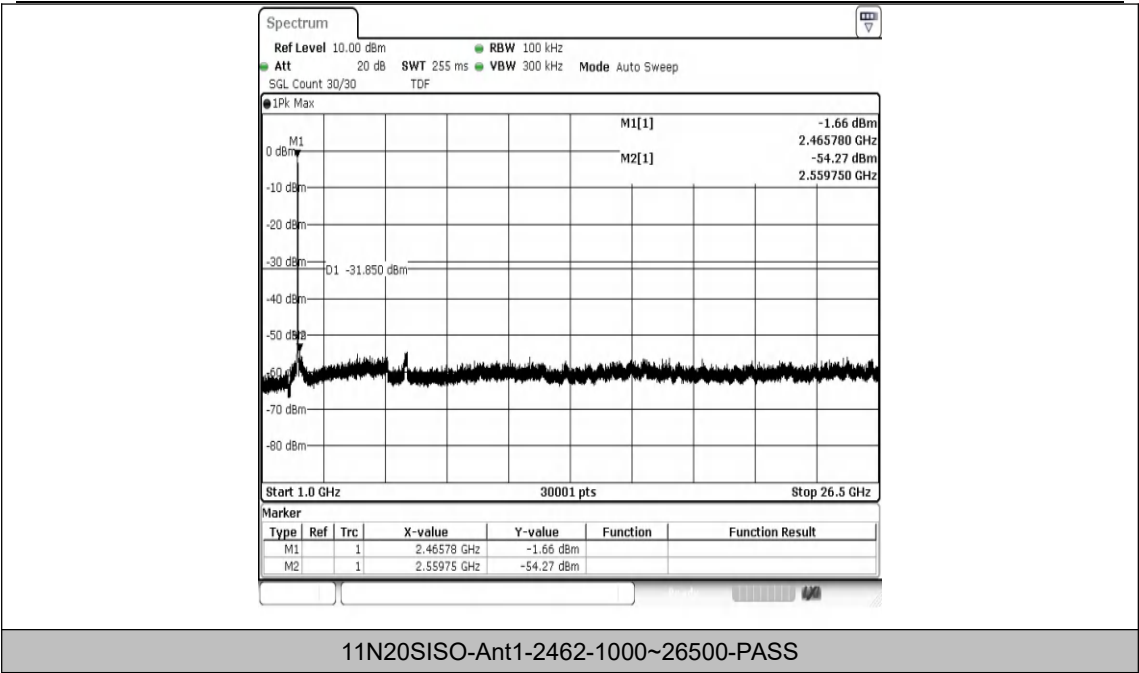


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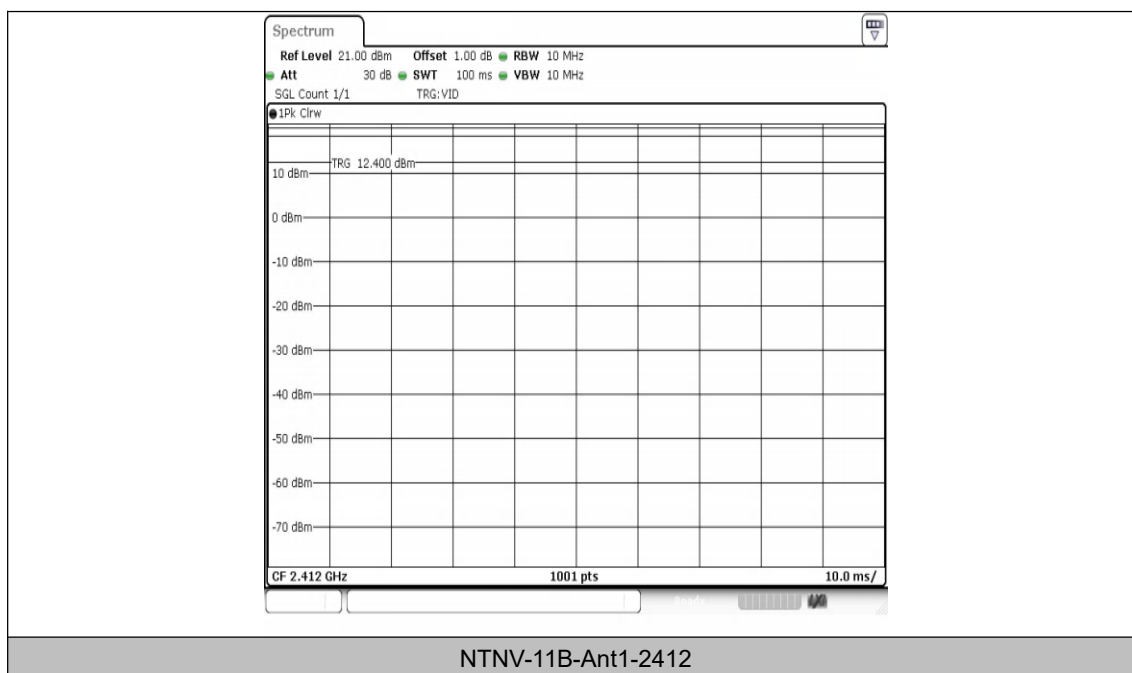
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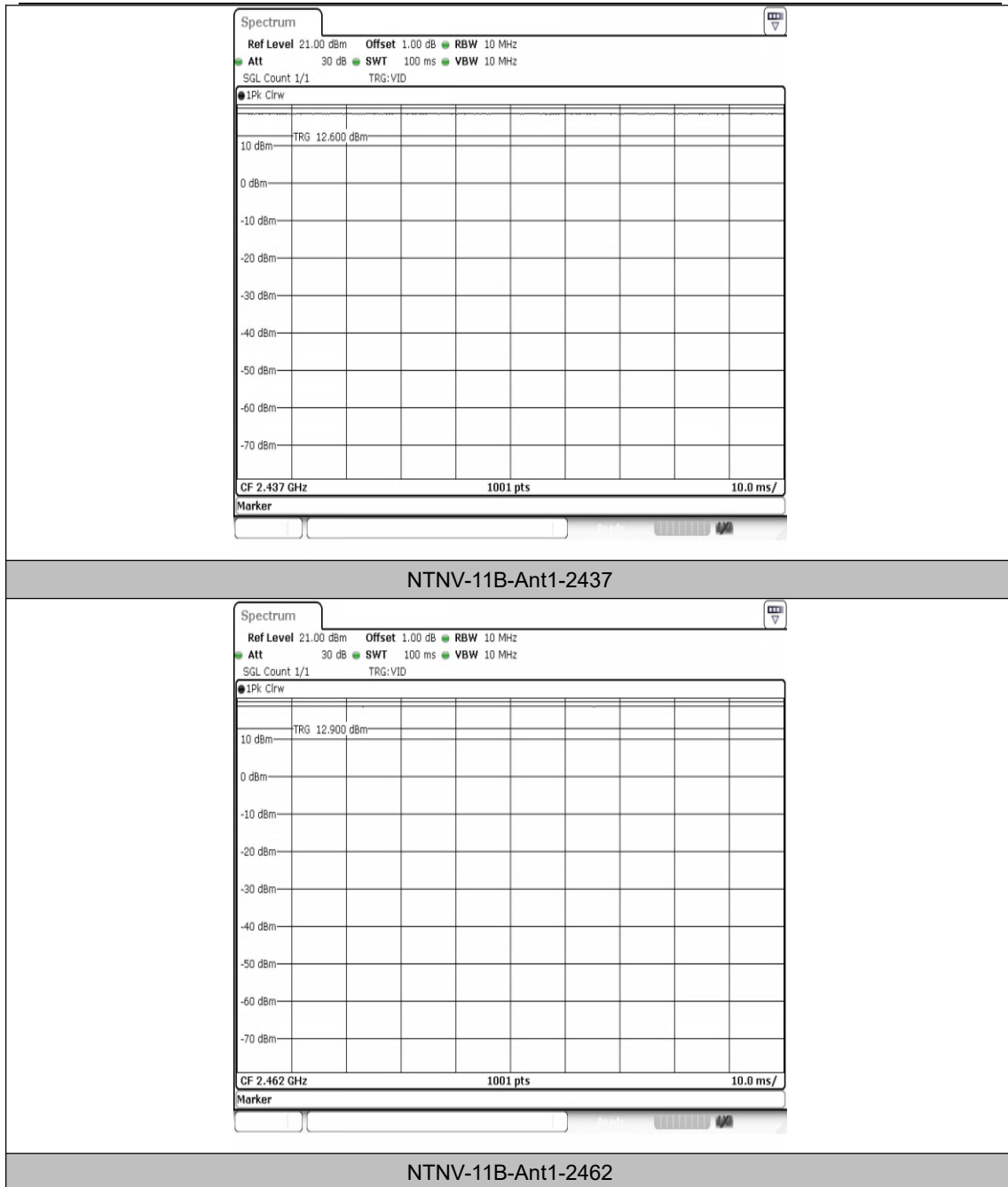
Appendix G: Duty Cycle

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

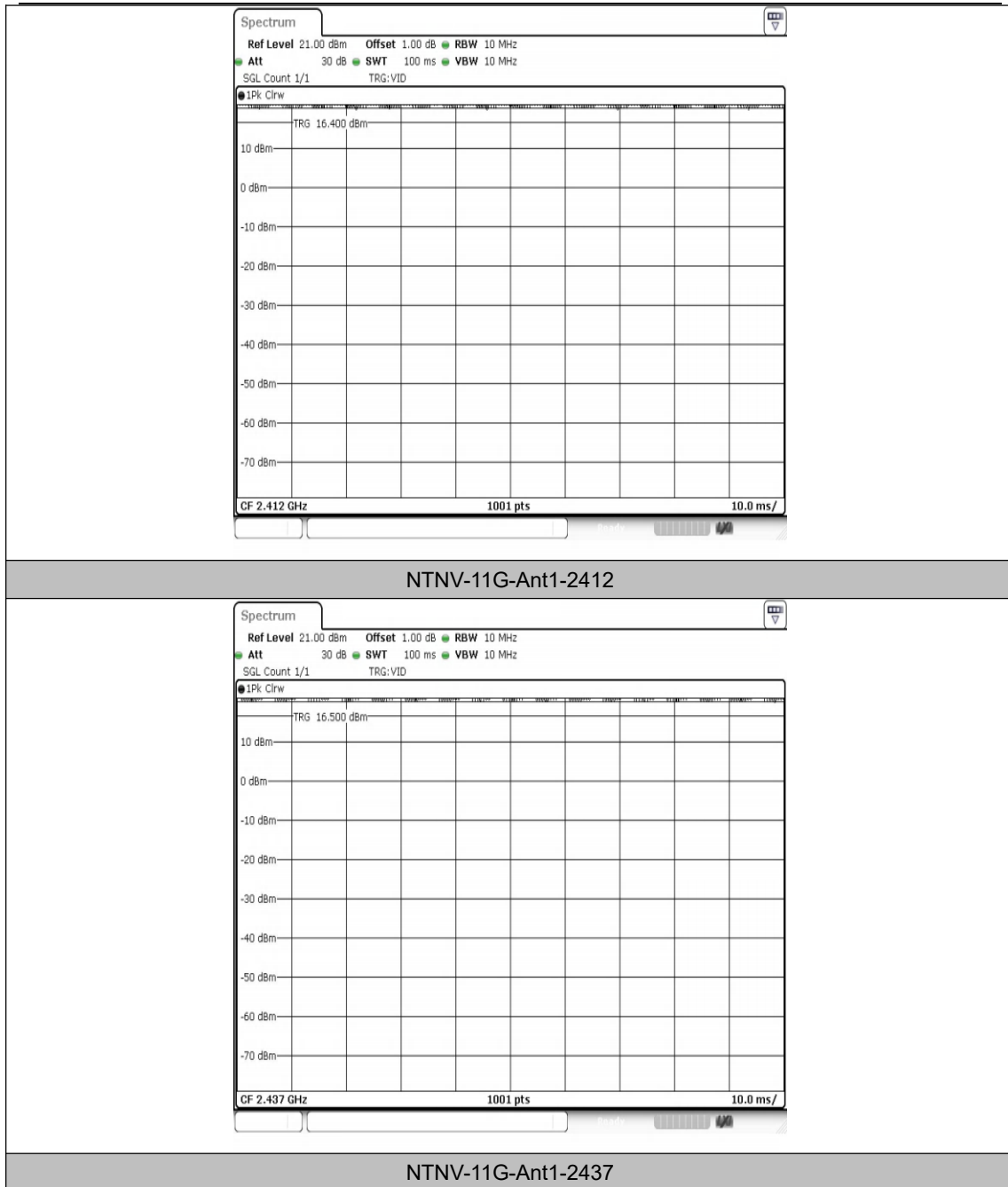




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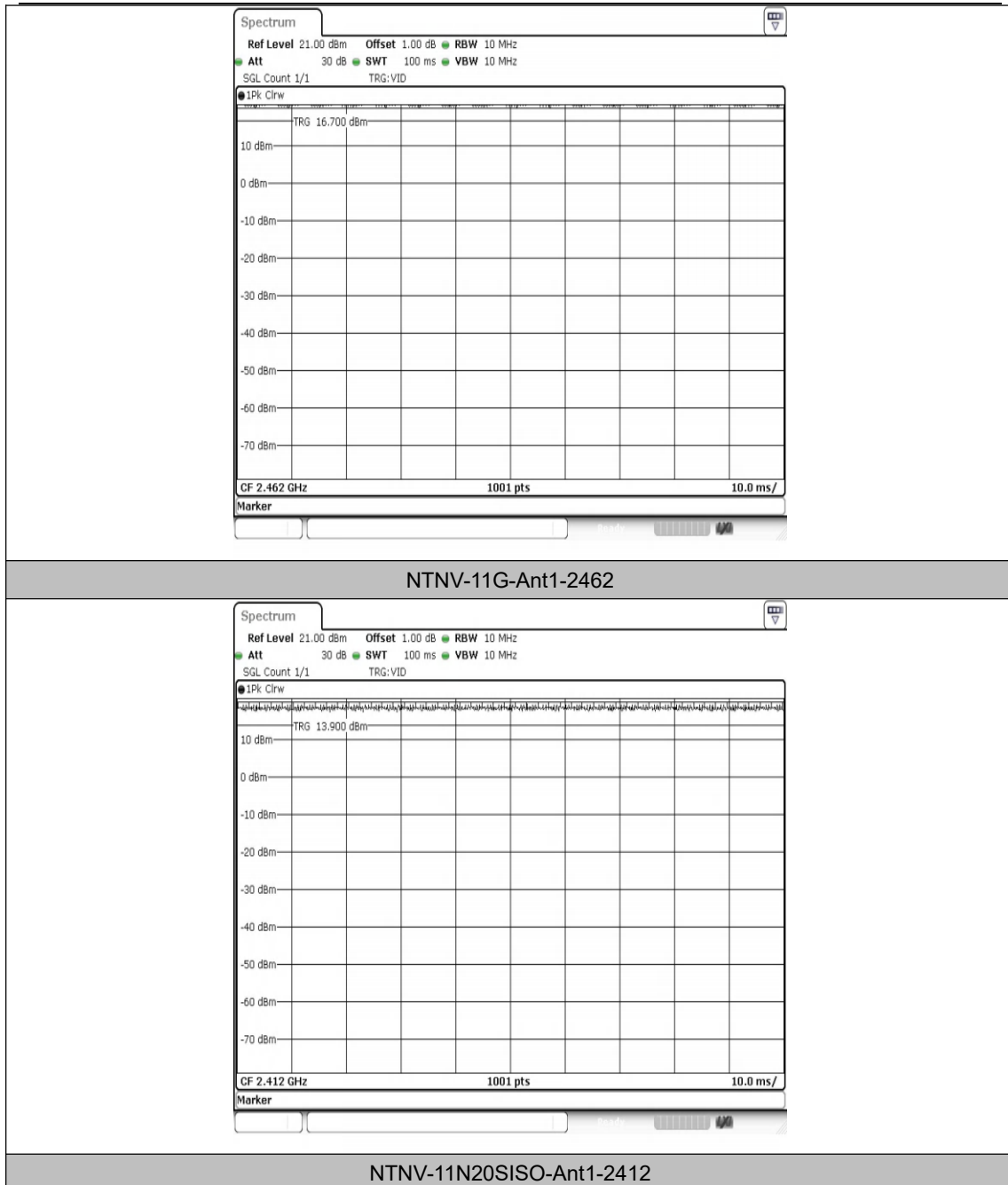
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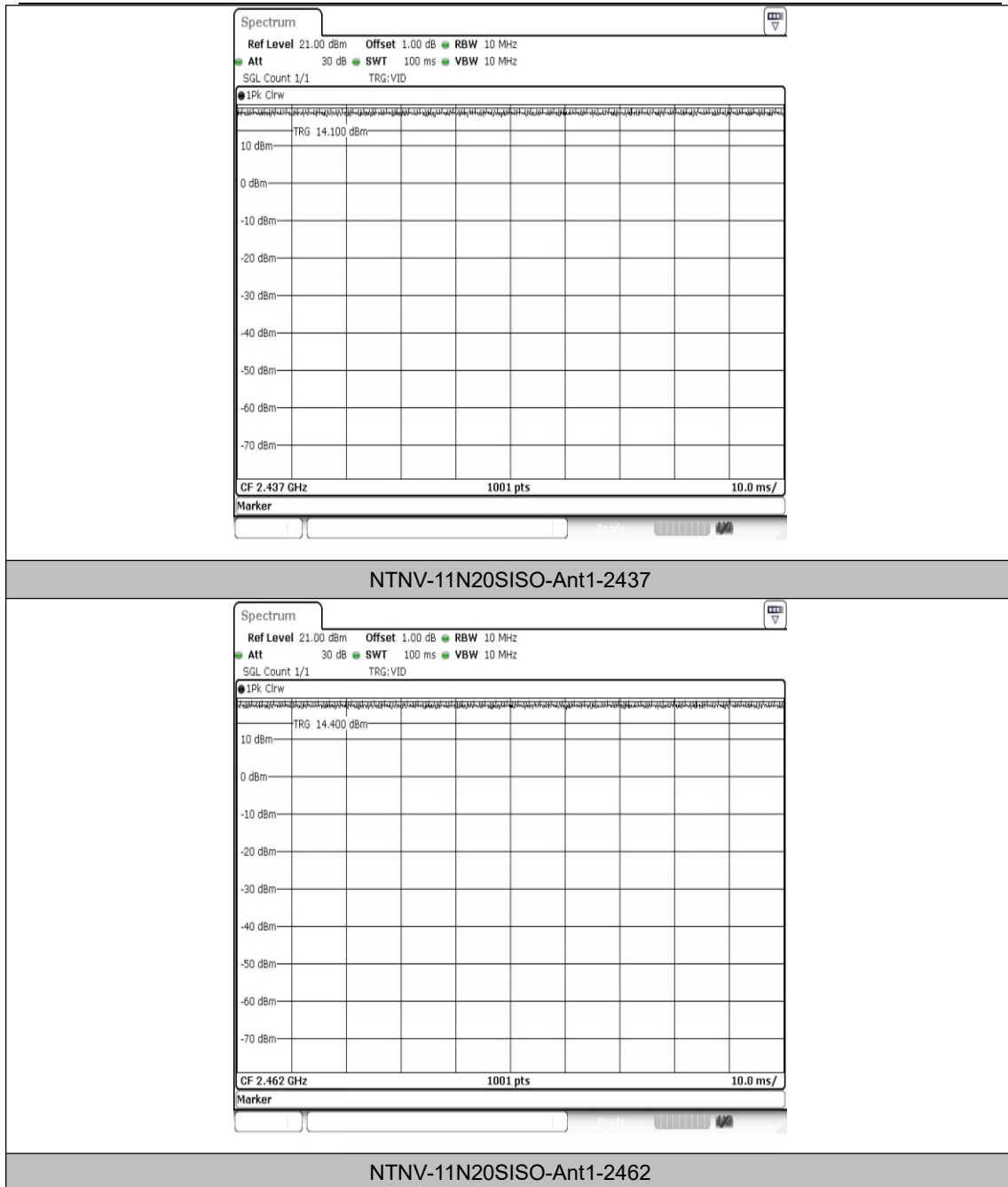
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