

Appendix Test Data

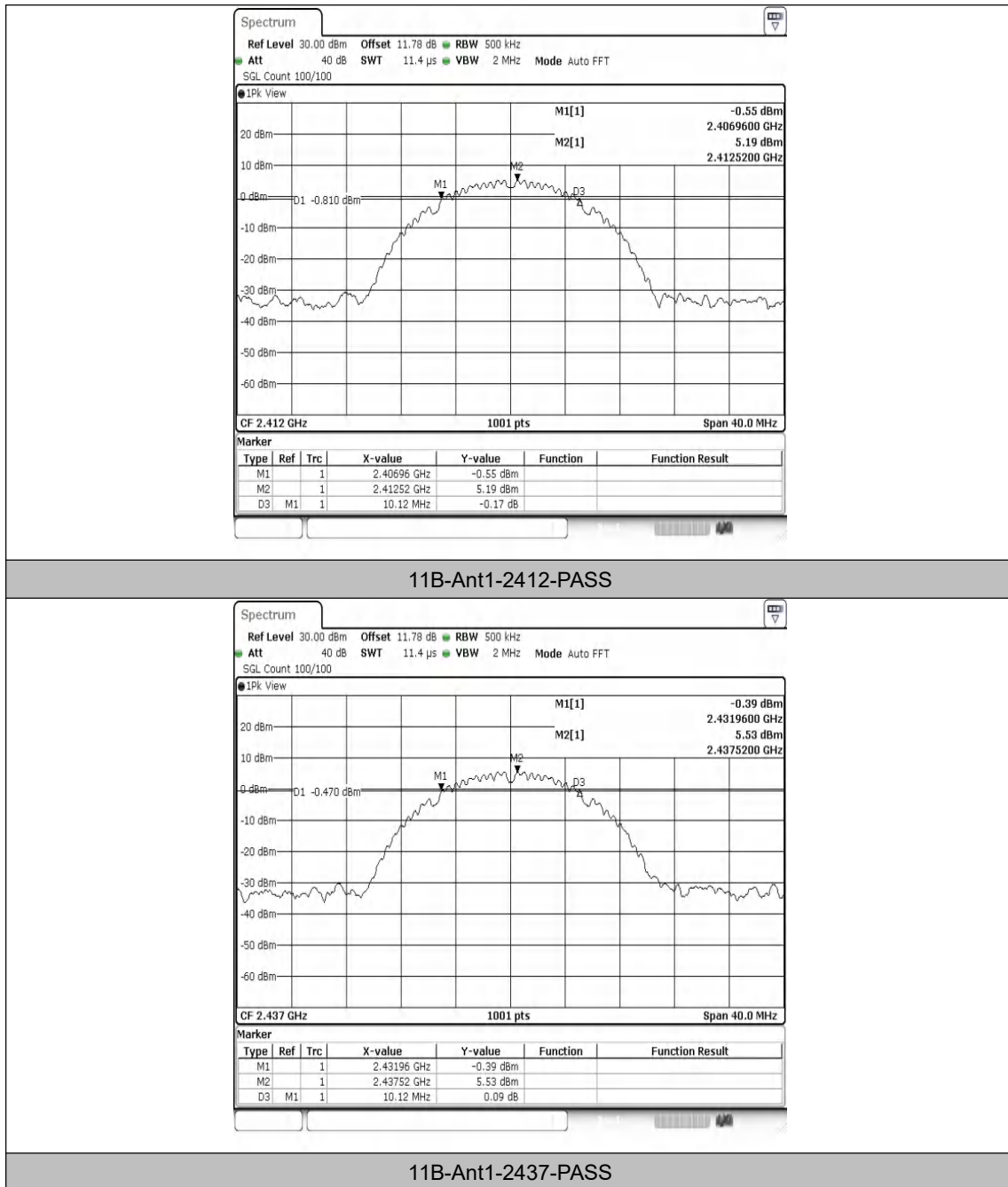
Report No.:	1814C50036112501	Test Sample No.:	1-2-2
Start Test Date:	2025.2.18	Finish Test Date:	2025.2.27
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	20.3°C	Relative Humidity:	50%
Pressure:	101kPa		

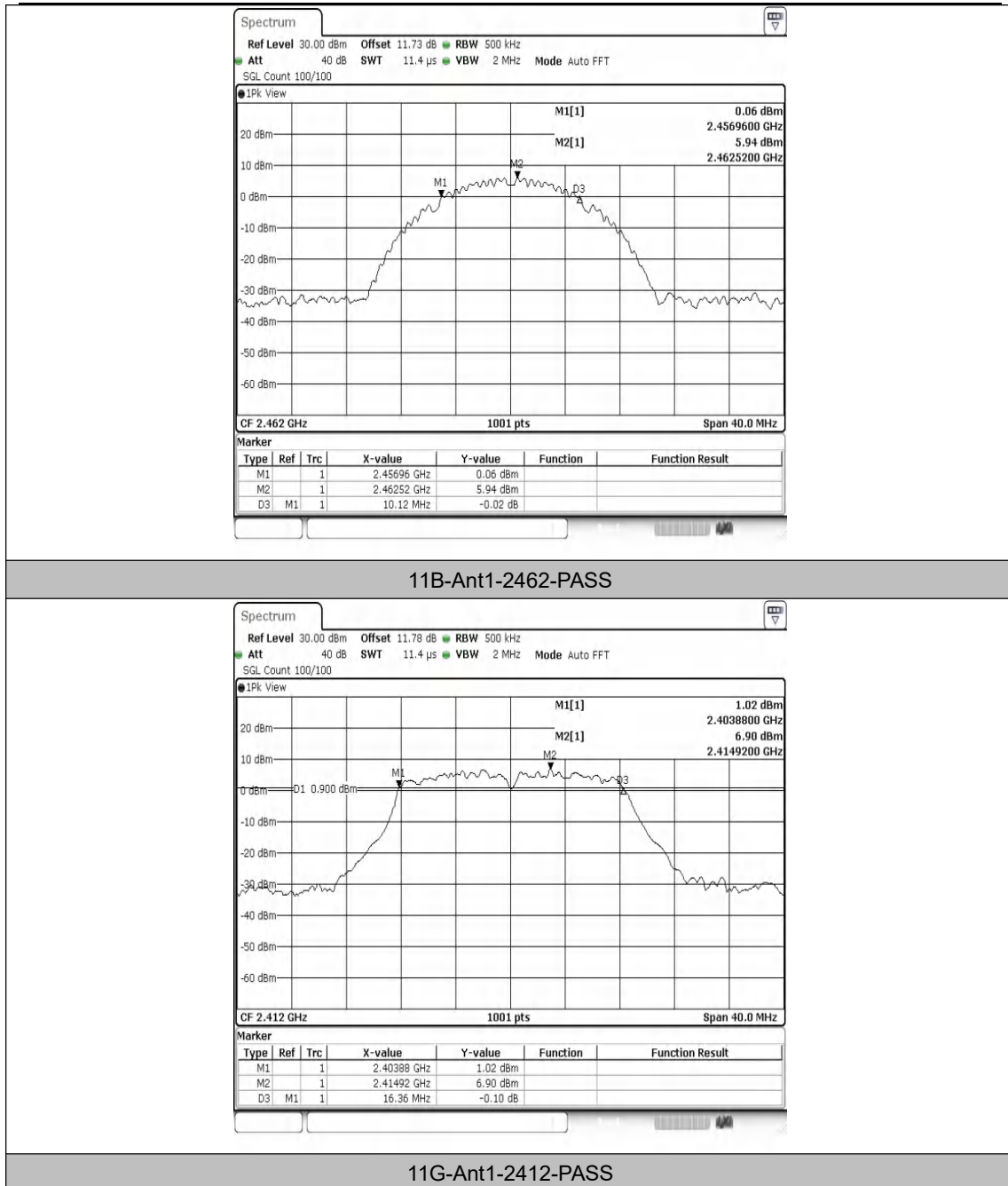
Appendix A: 6dB Bandwidth

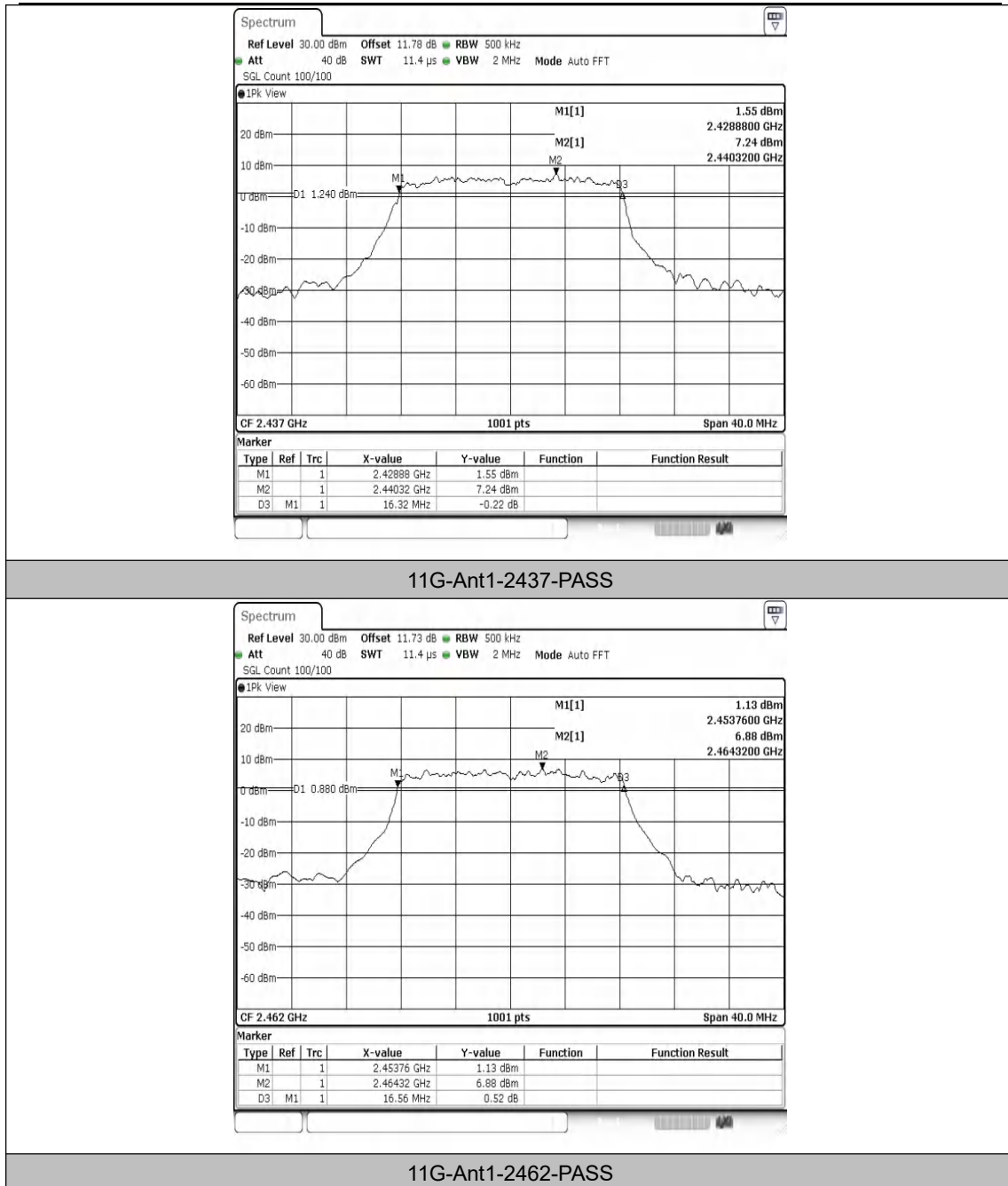
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.12	2406.96	2417.08	0.5	PASS
11B	Ant1	2437	10.12	2431.96	2442.08	0.5	PASS
11B	Ant1	2462	10.12	2456.96	2462.52	0.5	PASS
11G	Ant1	2412	16.36	2403.88	2420.24	0.5	PASS
11G	Ant1	2437	16.32	2428.88	2445.20	0.5	PASS
11G	Ant1	2462	16.56	2453.76	2470.32	0.5	PASS
11N20SISO	Ant1	2412	17.68	2403.20	2412.92	0.5	PASS
11N20SISO	Ant1	2437	17.52	2428.28	2445.80	0.5	PASS
11N20SISO	Ant1	2462	17.48	2453.28	2470.76	0.5	PASS
11N40SISO	Ant1	2422	36.00	2404.08	2440.08	0.5	PASS
11N40SISO	Ant1	2437	35.92	2419.08	2455.00	0.5	PASS
11N40SISO	Ant1	2452	35.92	2434.16	2470.08	0.5	PASS

Test Graphs



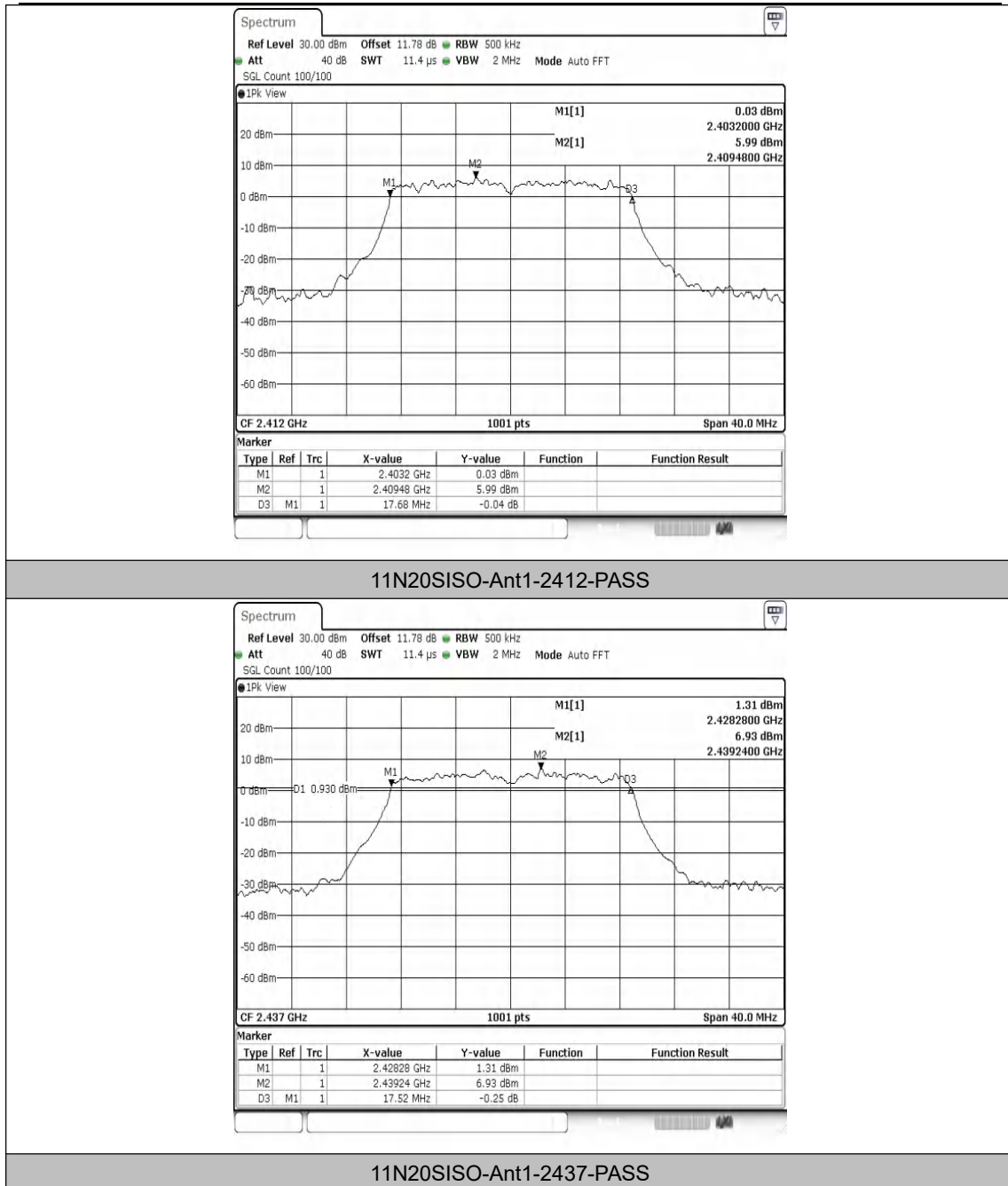


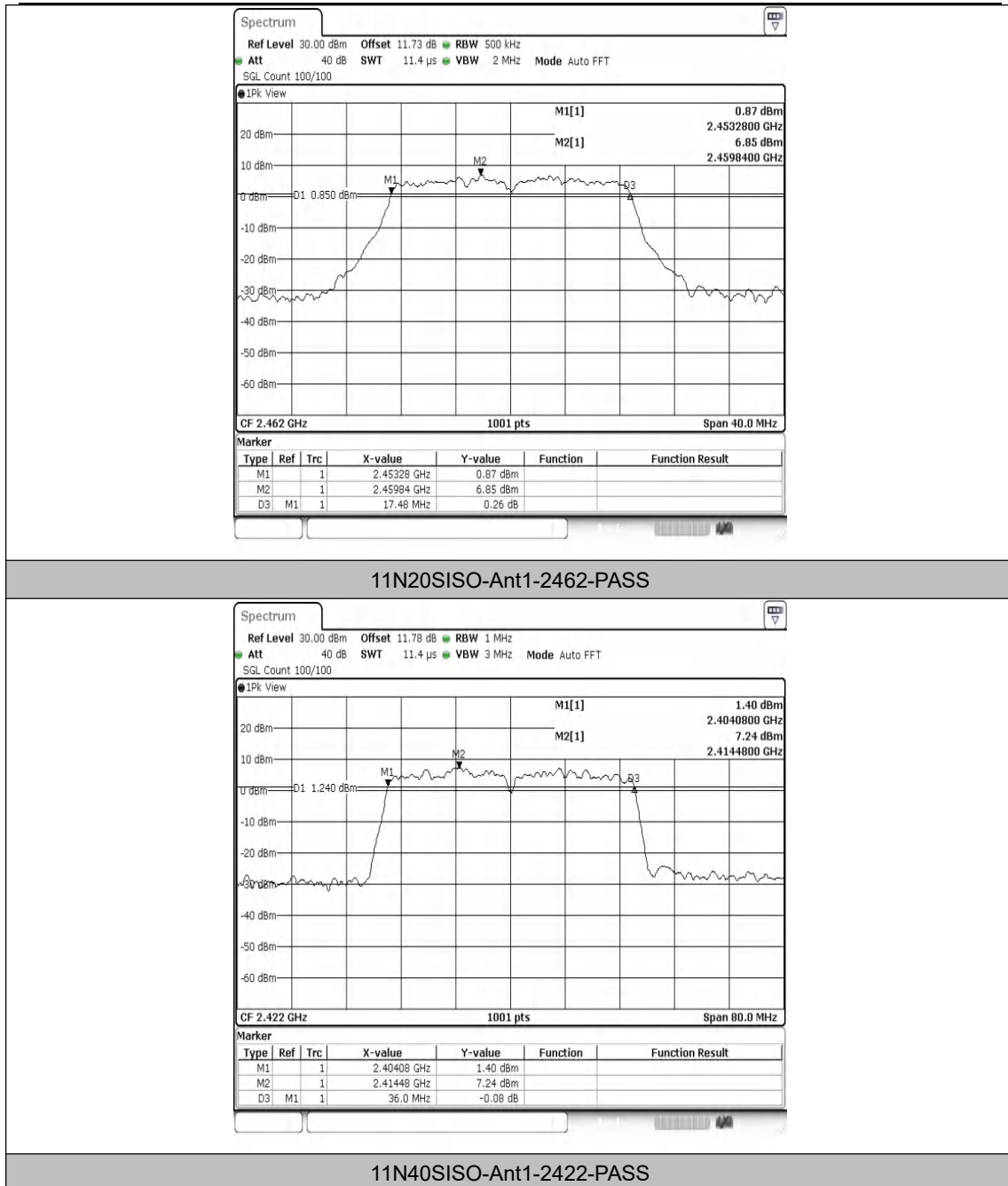


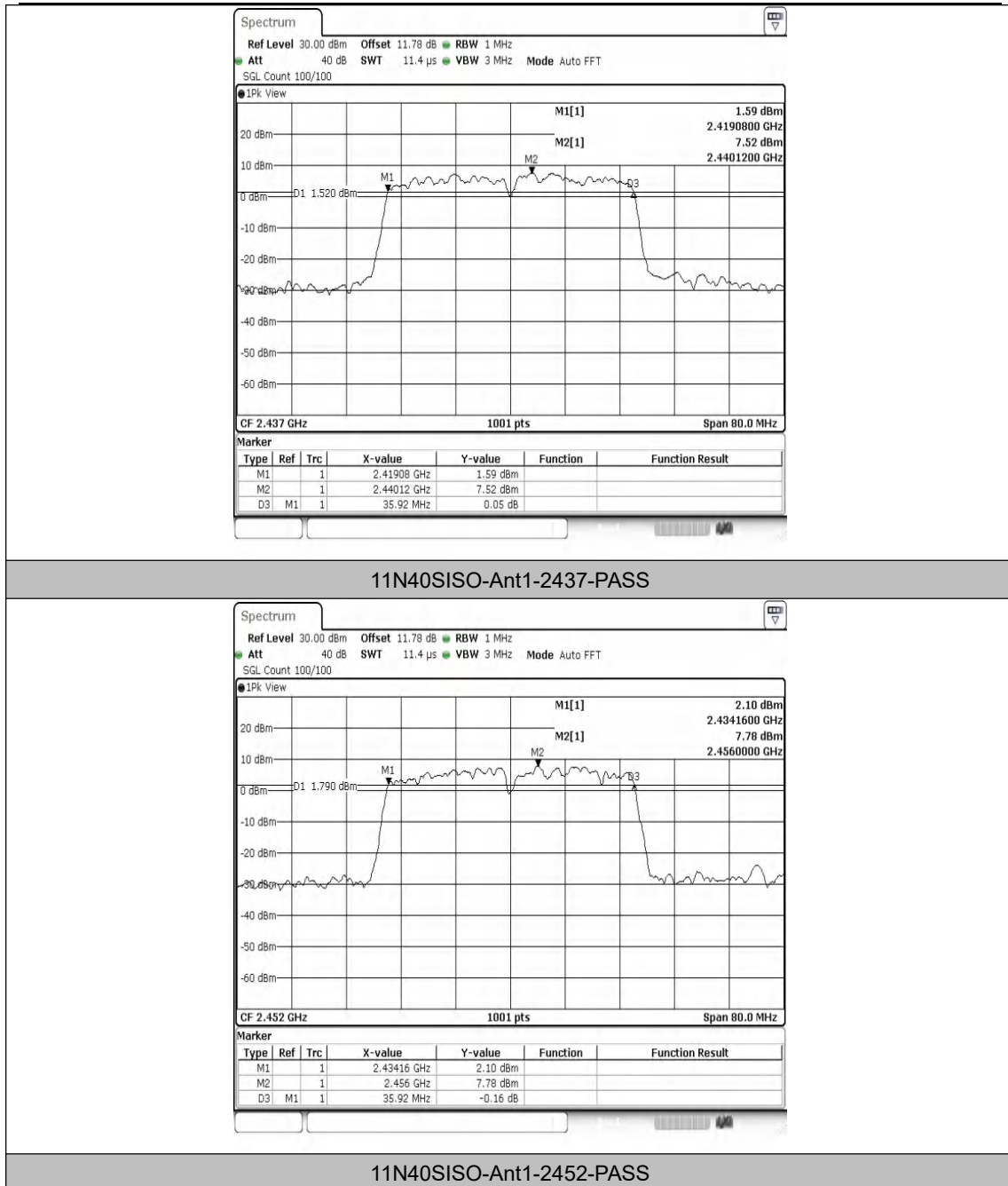
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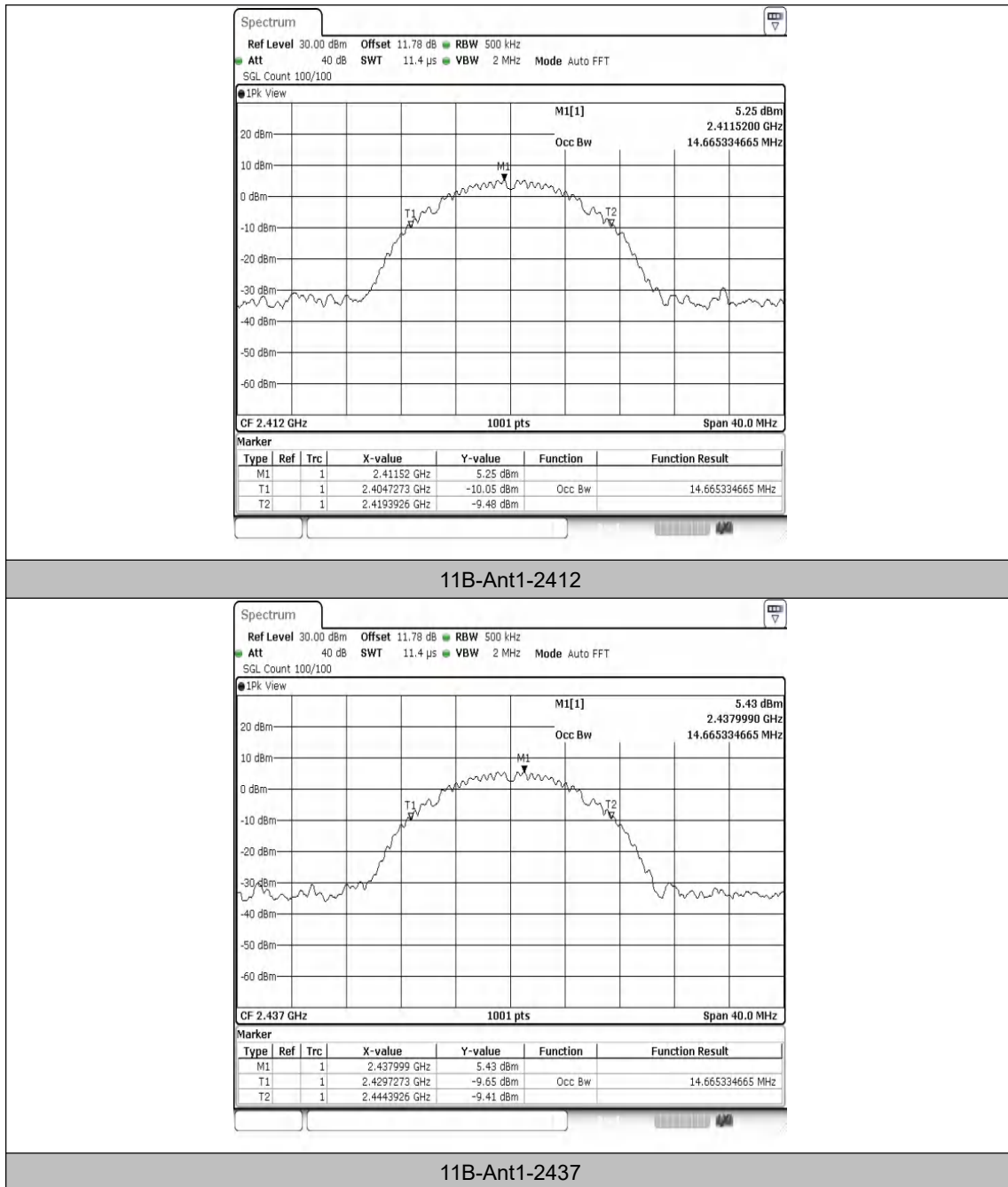


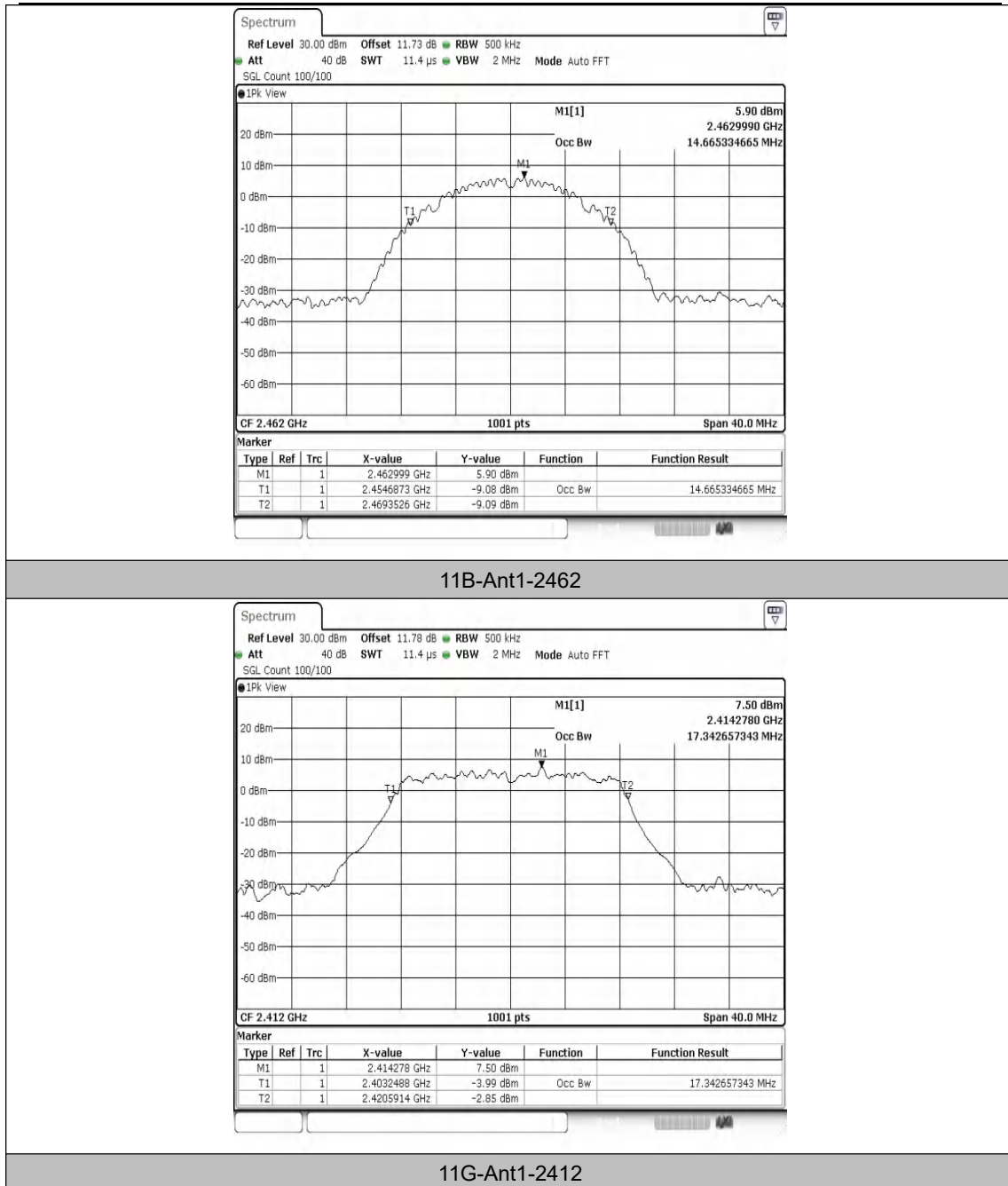
Appendix B: 99% Occupied Bandwidth

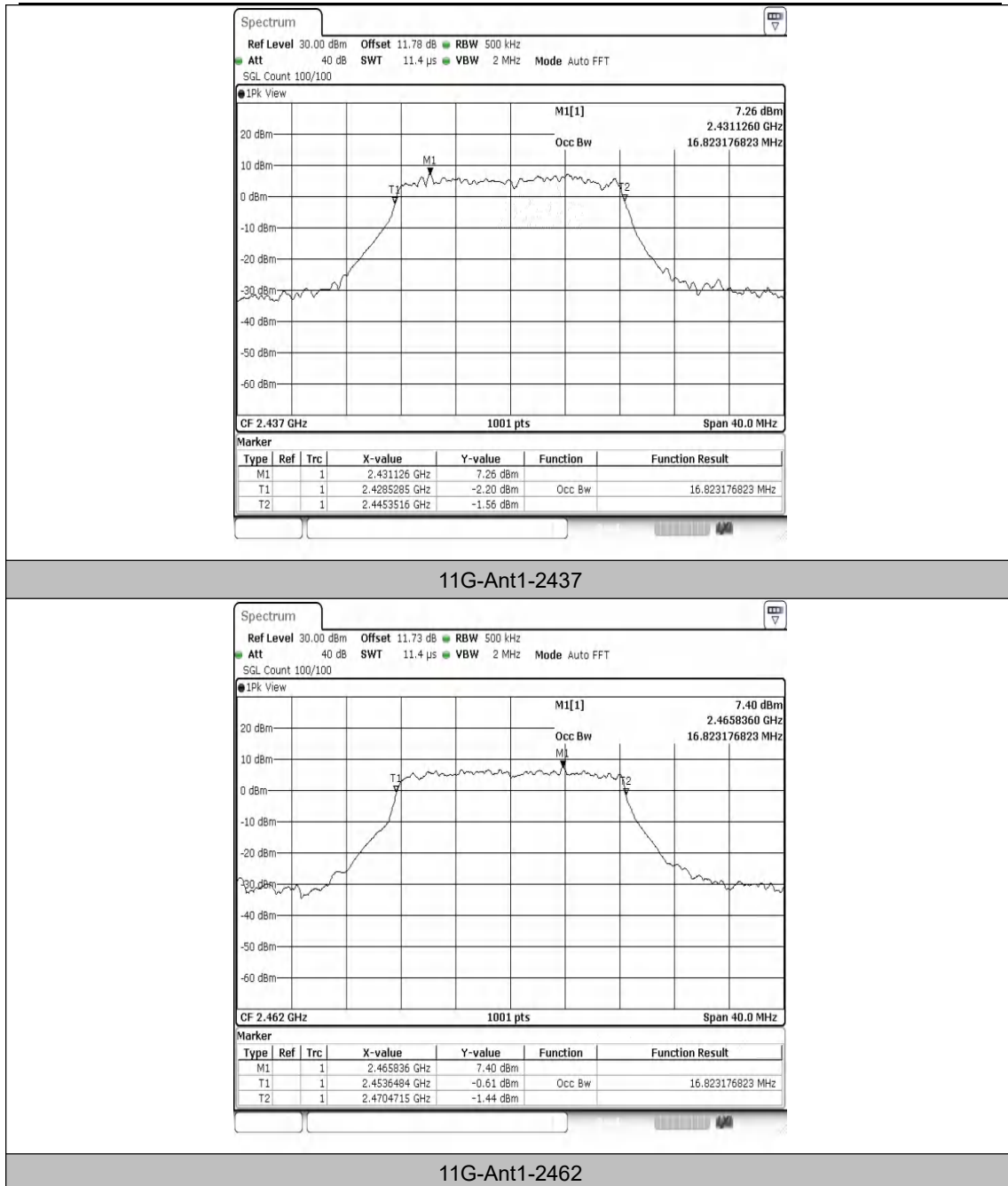
Test Result

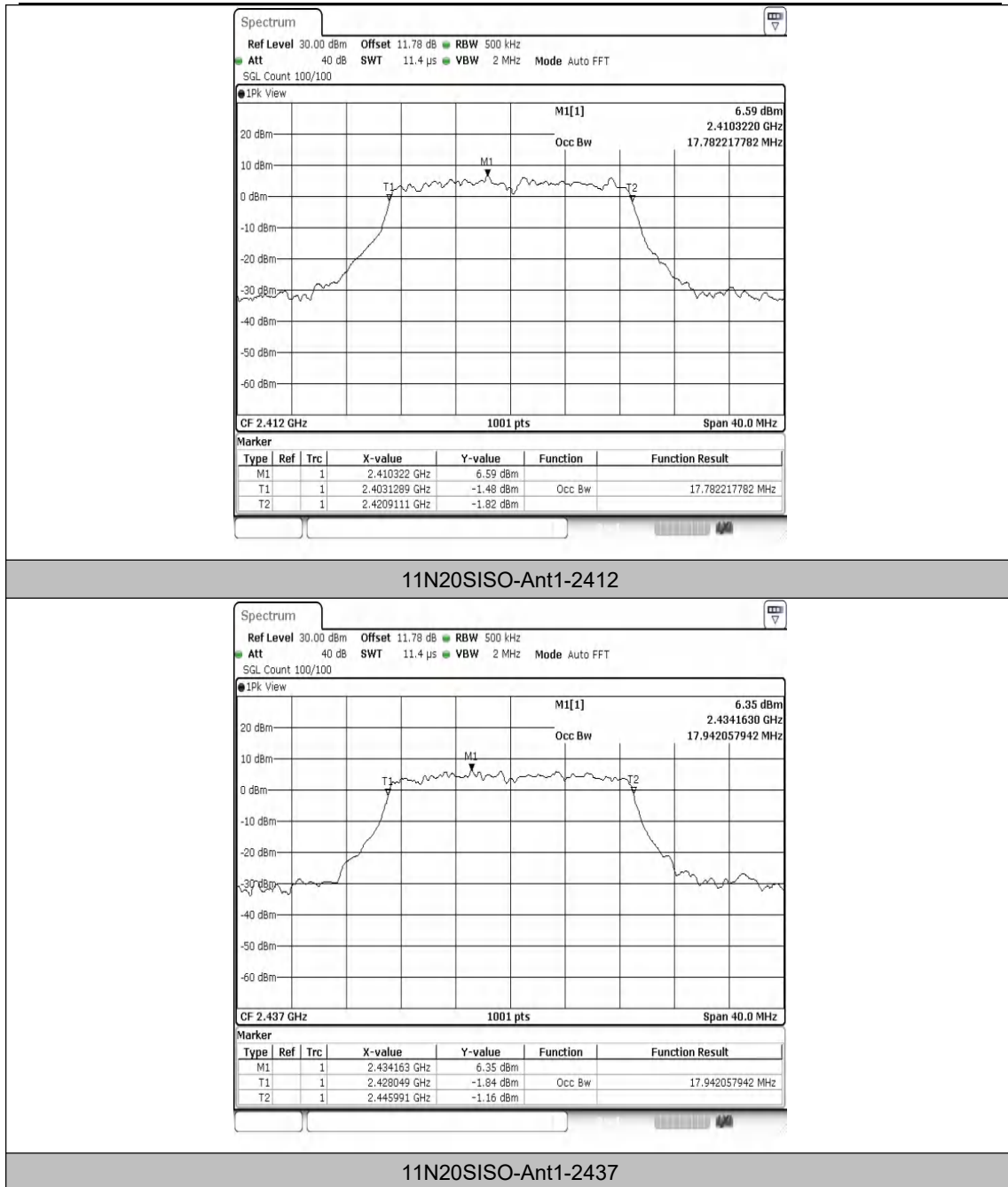
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.665	2404.7273	2419.3926	---	---
11B	Ant1	2437	14.665	2429.7273	2444.3926	---	---
11B	Ant1	2462	14.665	2454.6873	2469.3526	---	---
11G	Ant1	2412	17.343	2403.2488	2420.5914	---	---
11G	Ant1	2437	16.823	2428.5285	2445.3516	---	---
11G	Ant1	2462	16.823	2453.6484	2470.4715	---	---
11N20SISO	Ant1	2412	17.782	2403.1289	2420.9111	---	---
11N20SISO	Ant1	2437	17.942	2428.0490	2445.9910	---	---
11N20SISO	Ant1	2462	17.942	2453.1289	2471.0709	---	---
11N40SISO	Ant1	2422	35.884	2404.0979	2439.9820	---	---
11N40SISO	Ant1	2437	35.884	2419.1778	2455.0619	---	---
11N40SISO	Ant1	2452	35.964	2434.0979	2470.0619	---	---

Test Graphs





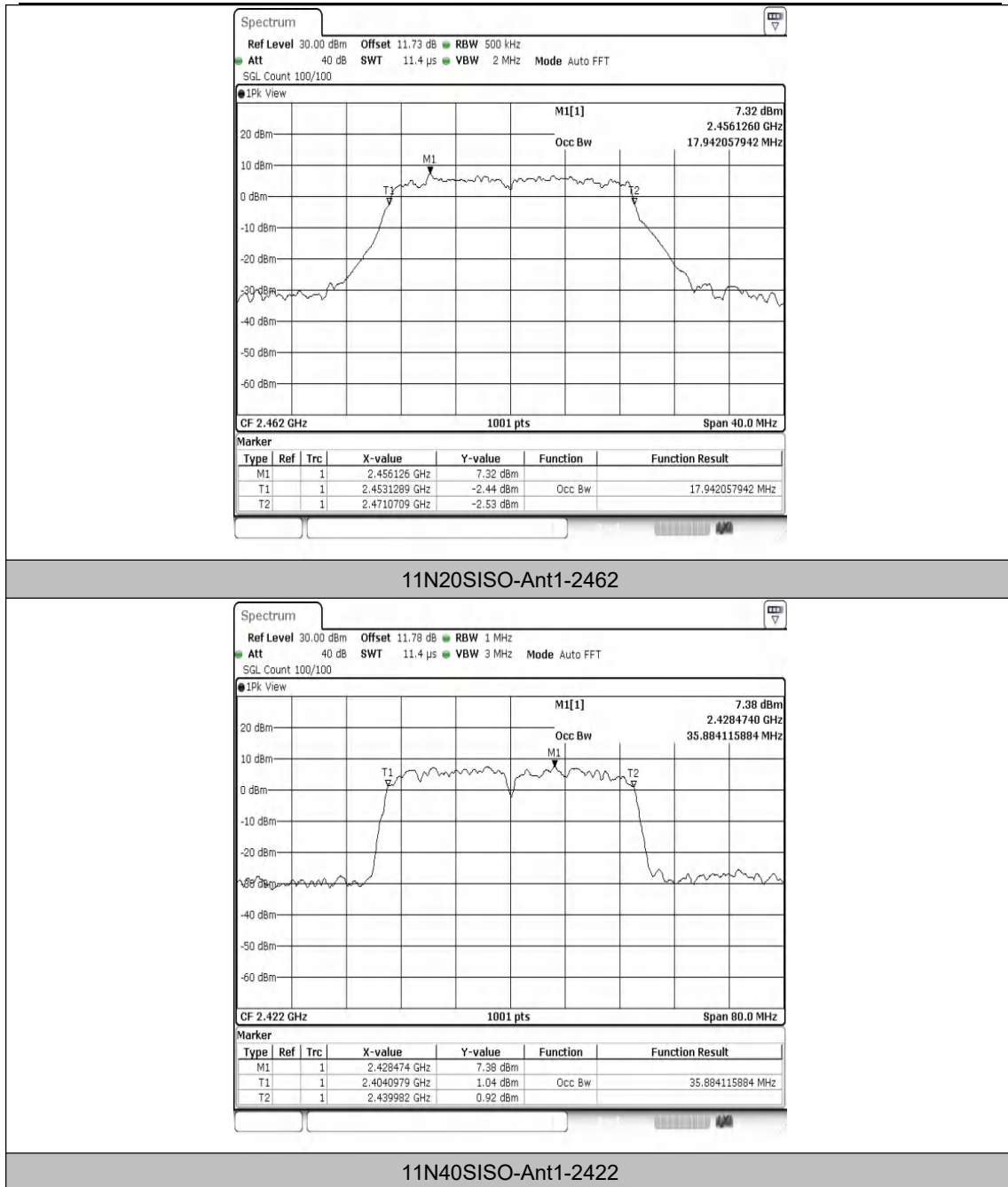


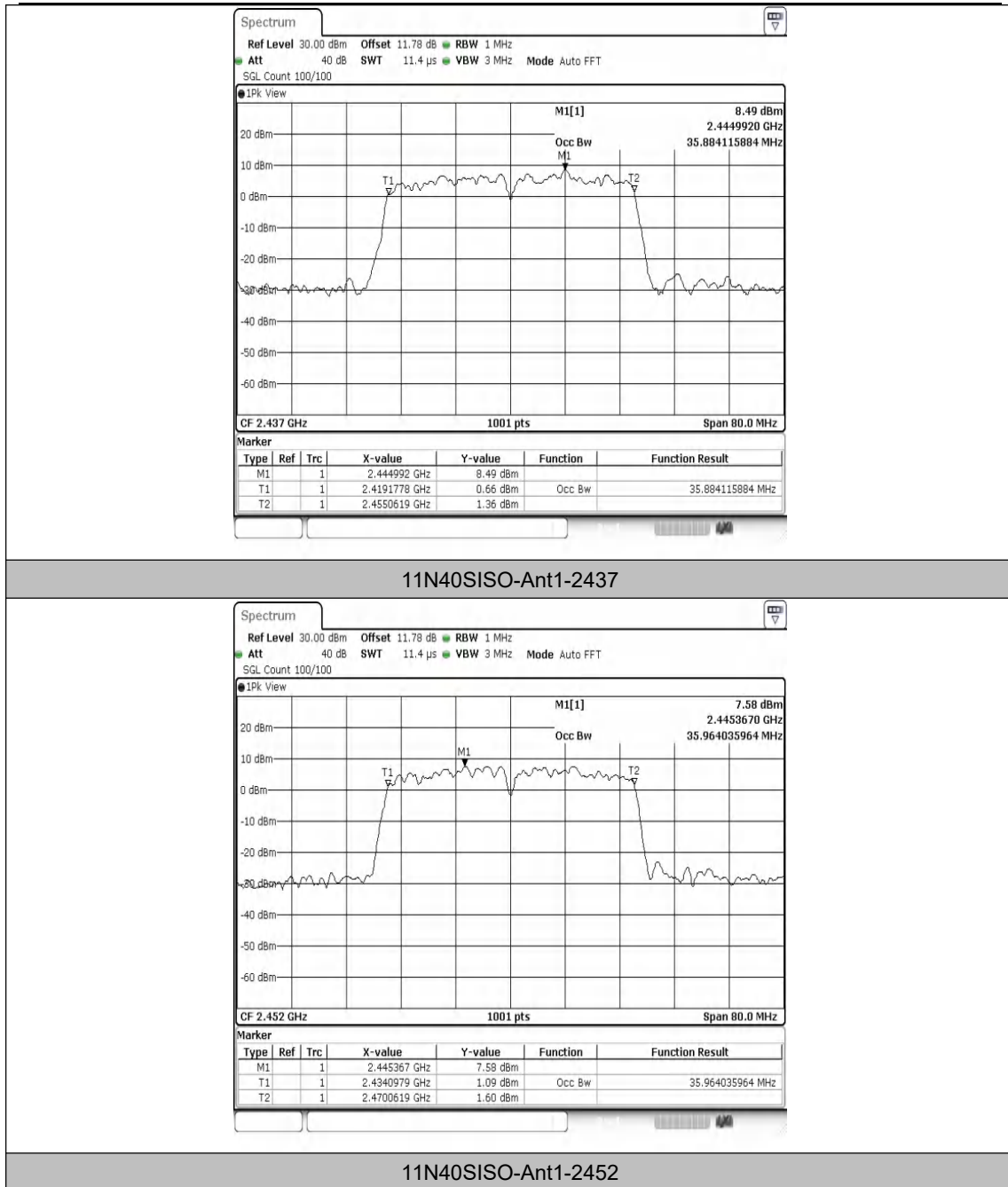


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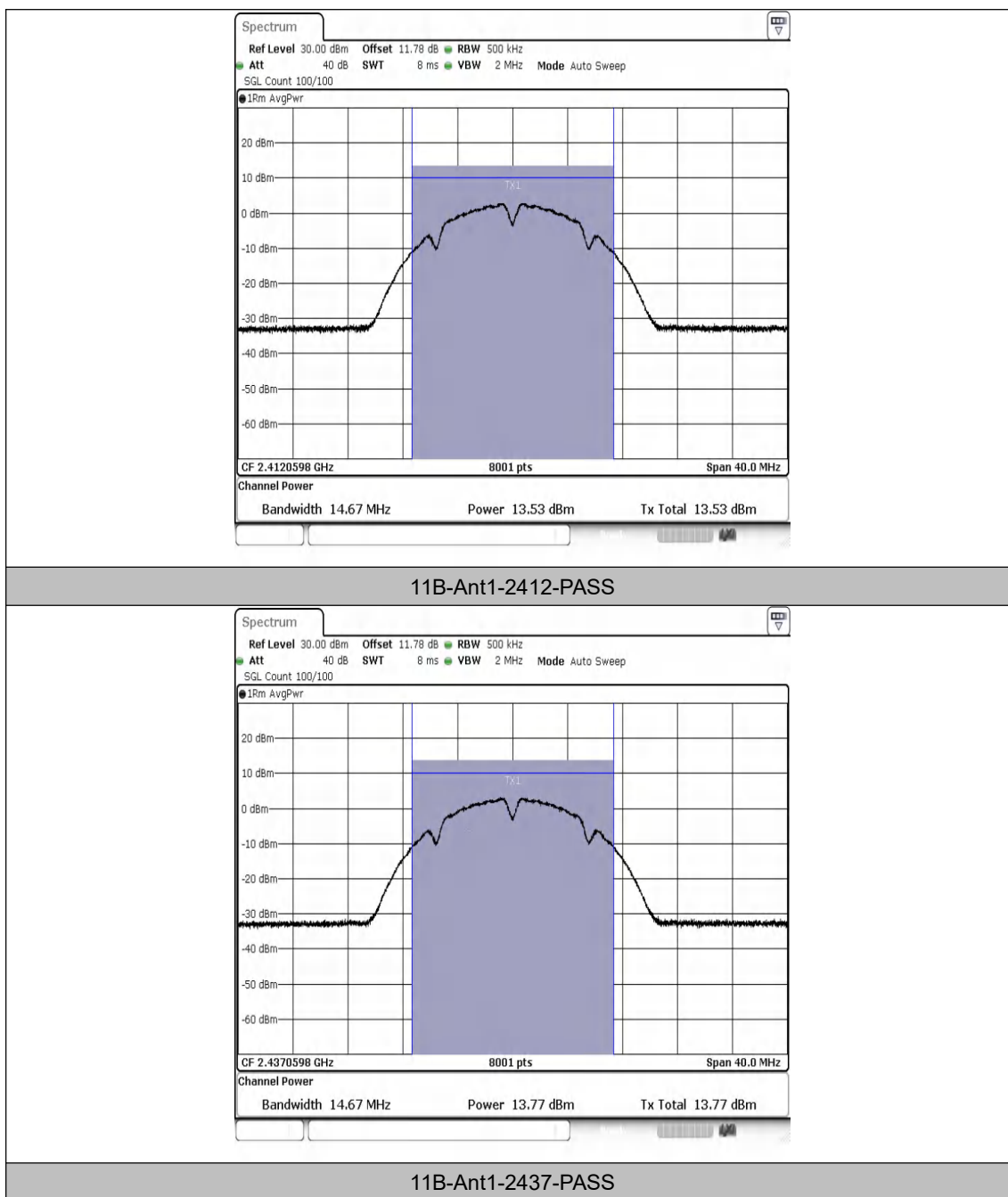
Appendix C: Maximum conducted output power

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	13.53	98.81	0.05	13.58	≤30.00	PASS
11B	Ant1	2437	NA	13.77	99.04	0.04	13.81	≤30.00	PASS
11B	Ant1	2462	NA	14.27	98.81	0.05	14.32	≤30.00	PASS
11G	Ant1	2412	NA	13.60	93.15	0.31	13.91	≤30.00	PASS
11G	Ant1	2437	NA	14.16	93.15	0.31	14.47	≤30.00	PASS
11G	Ant1	2462	NA	14.50	93.15	0.31	14.81	≤30.00	PASS
11N20SISO	Ant1	2412	NA	13.51	92.75	0.33	13.84	≤30.00	PASS
11N20SISO	Ant1	2437	NA	13.96	92.75	0.33	14.29	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.30	92.75	0.33	14.63	≤30.00	PASS
11N40SISO	Ant1	2422	NA	13.85	86.11	0.65	14.50	≤30.00	PASS
11N40SISO	Ant1	2437	NA	13.83	86.11	0.65	14.48	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.97	86.11	0.65	14.62	≤30.00	PASS

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

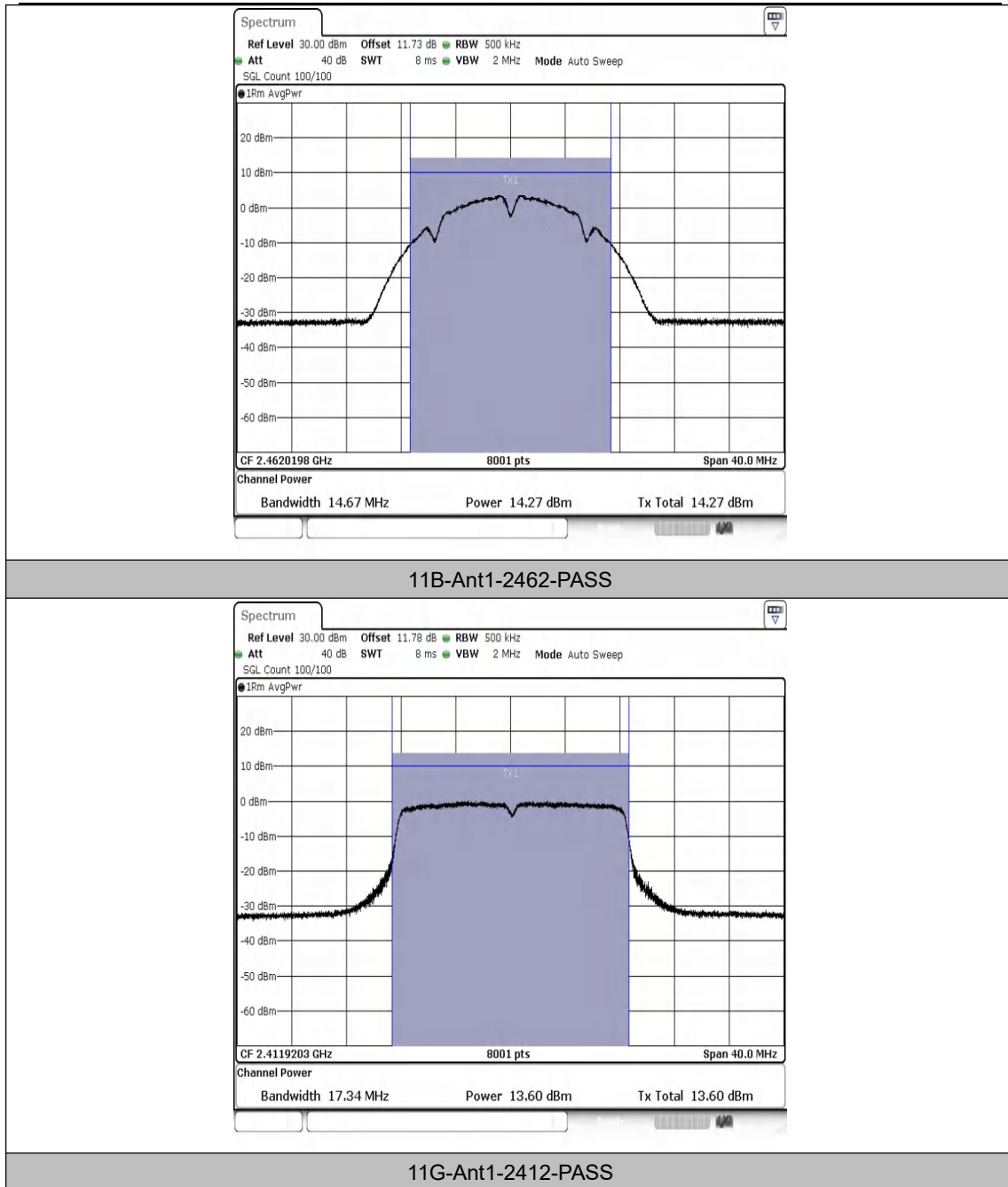
Test Graphs Average



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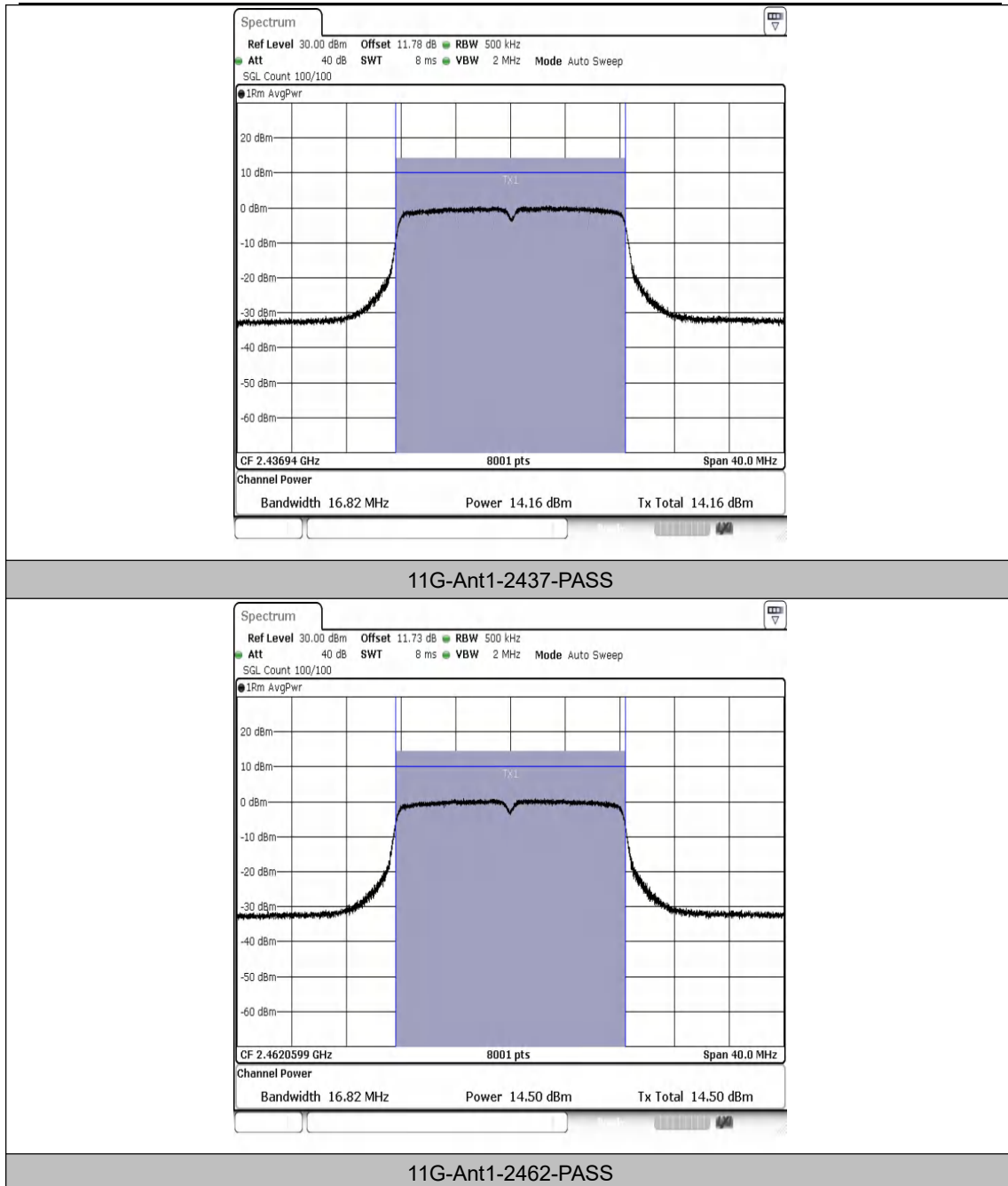
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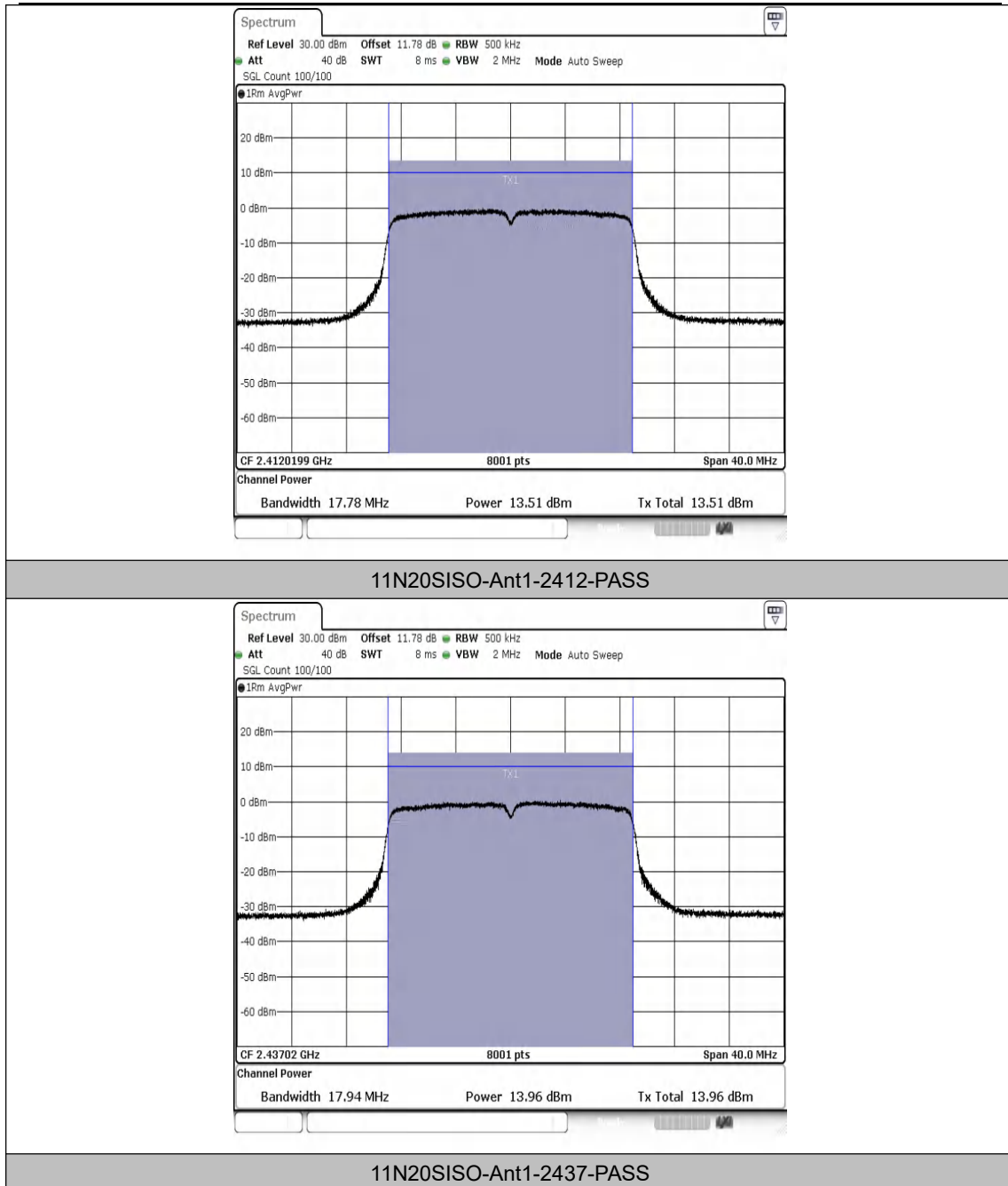
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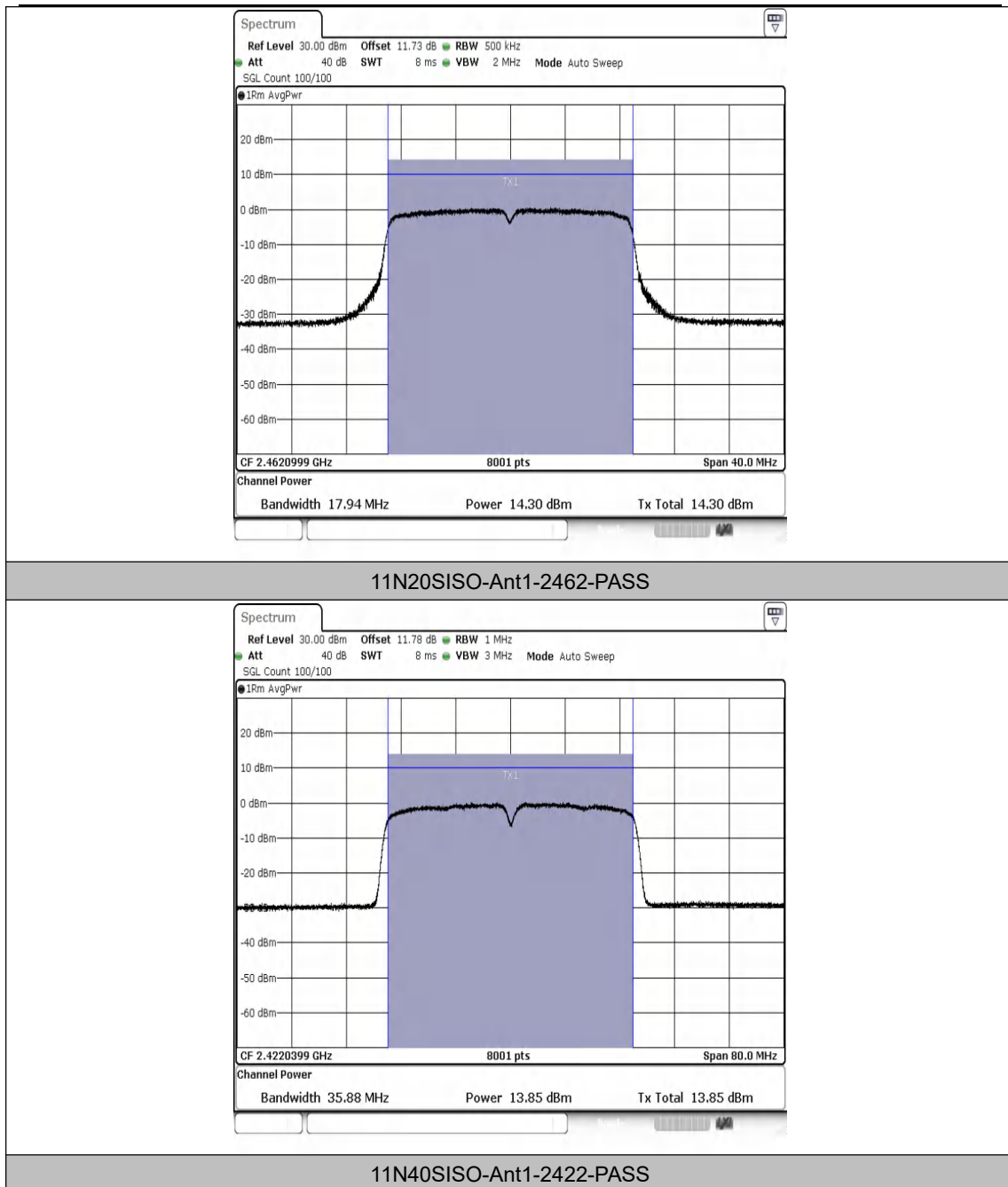
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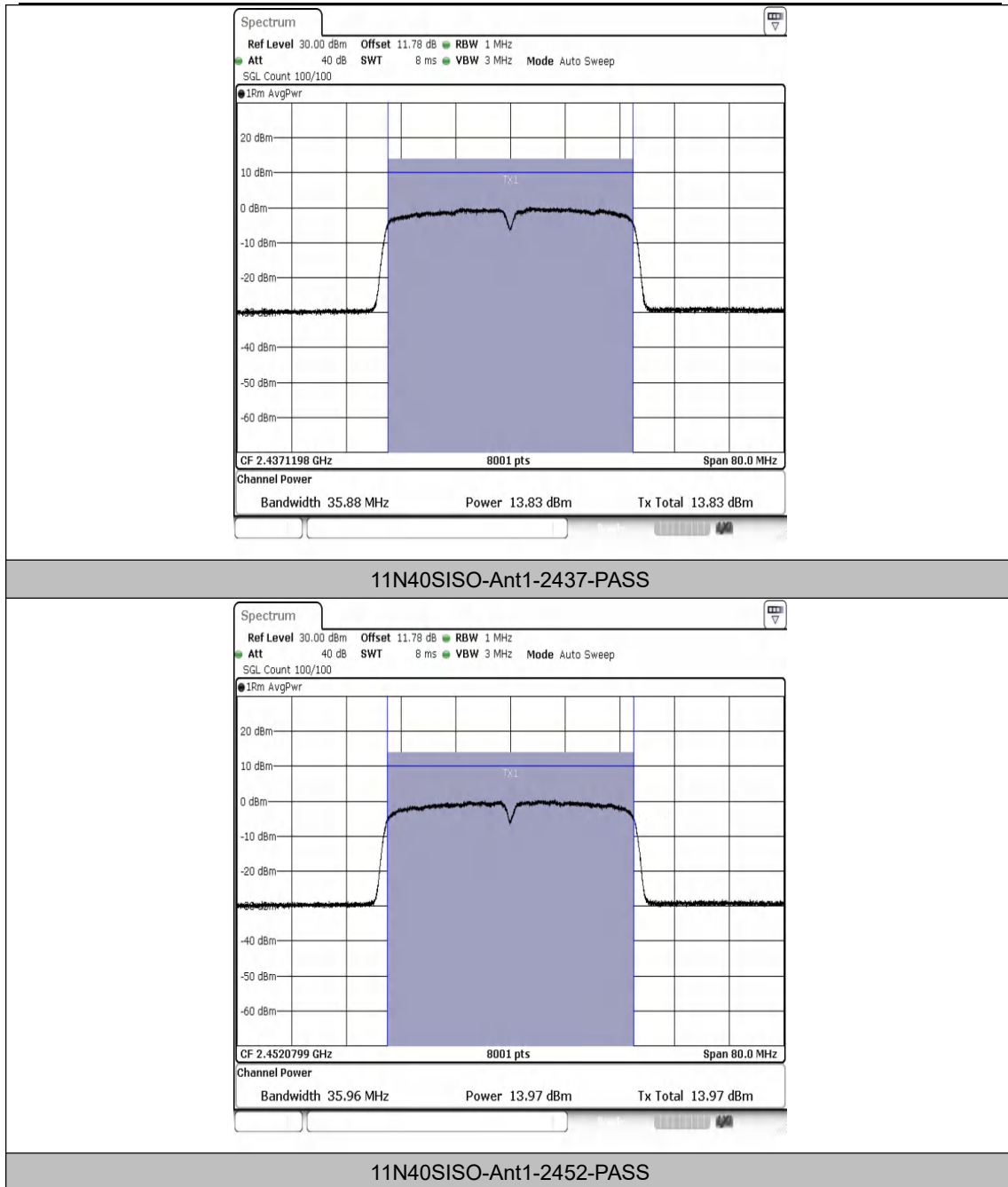
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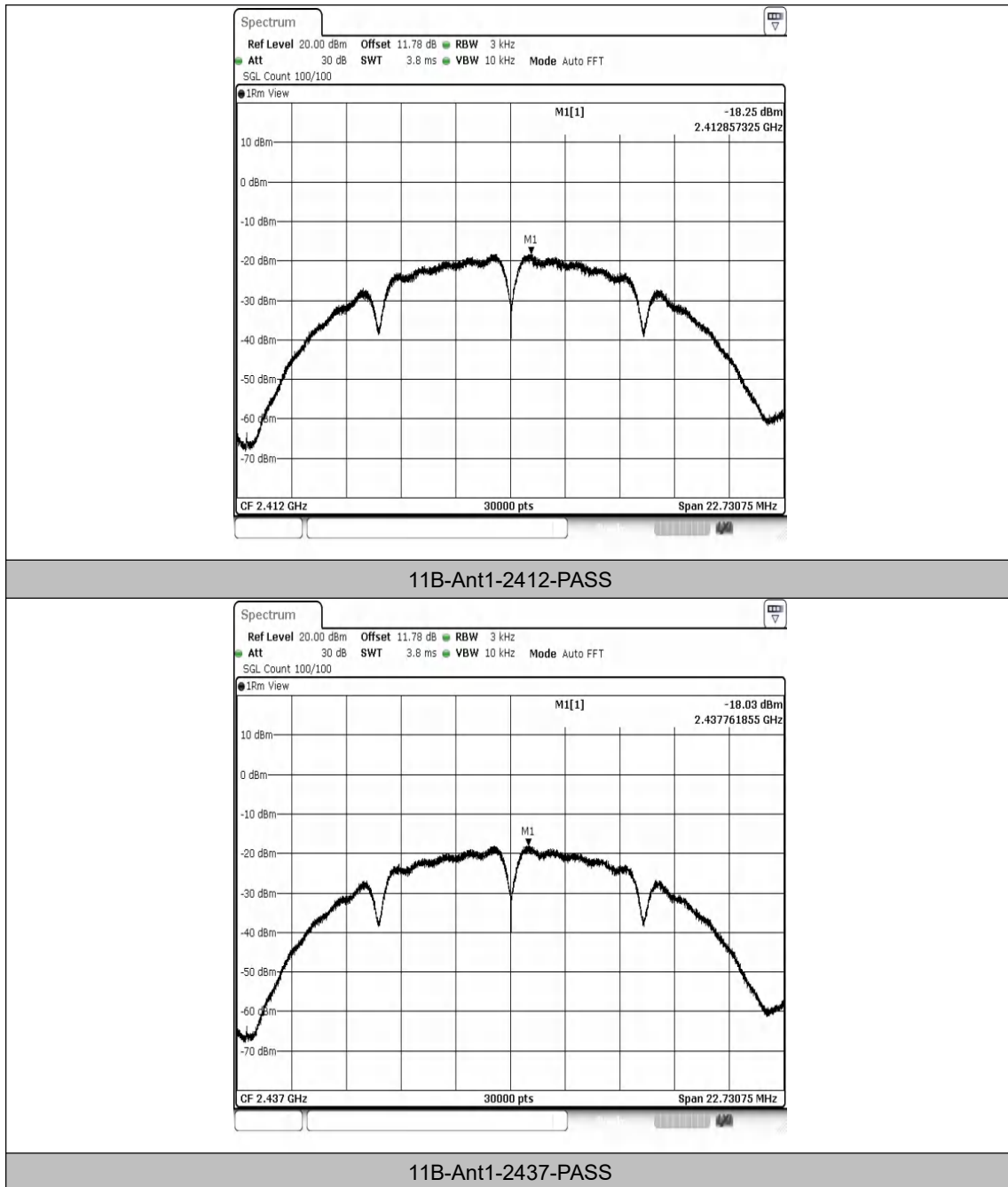
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Reading Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.25	0.05	-18.20	≤8.00	PASS
11B	Ant1	2437	-18.03	0.04	-17.99	≤8.00	PASS
11B	Ant1	2462	-17.39	0.05	-17.34	≤8.00	PASS
11G	Ant1	2412	-17.51	0.31	-17.20	≤8.00	PASS
11G	Ant1	2437	-17.3	0.31	-16.99	≤8.00	PASS
11G	Ant1	2462	-16.35	0.31	-16.04	≤8.00	PASS
11N20SISO	Ant1	2412	-17.53	0.33	-17.20	≤8.00	PASS
11N20SISO	Ant1	2437	-17.63	0.33	-17.30	≤8.00	PASS
11N20SISO	Ant1	2462	-16.89	0.33	-16.56	≤8.00	PASS
11N40SISO	Ant1	2422	-19.02	0.65	-18.37	≤8.00	PASS
11N40SISO	Ant1	2437	-19.24	0.65	-18.59	≤8.00	PASS
11N40SISO	Ant1	2452	-19.18	0.65	-18.53	≤8.00	PASS

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

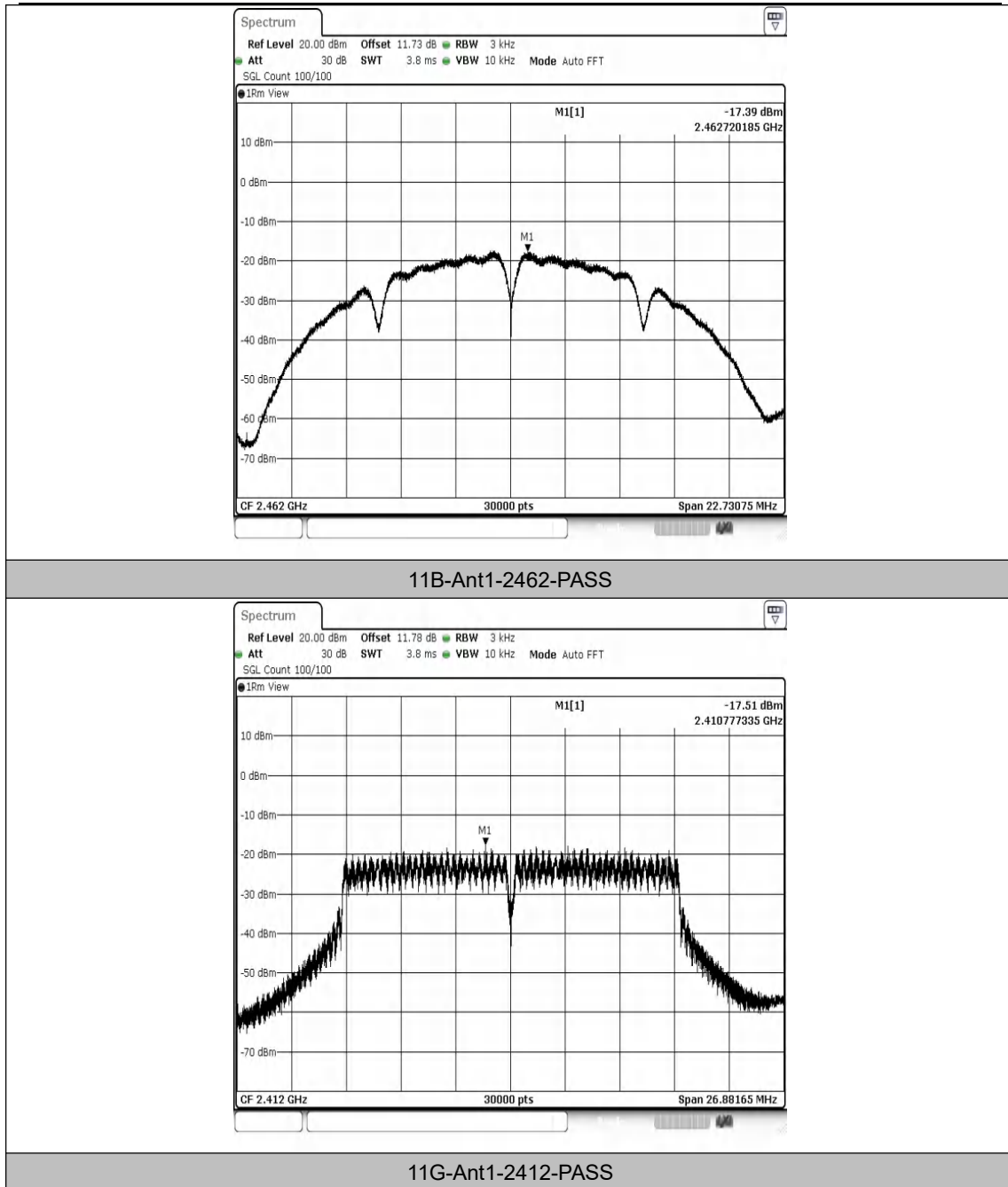
Test Graphs



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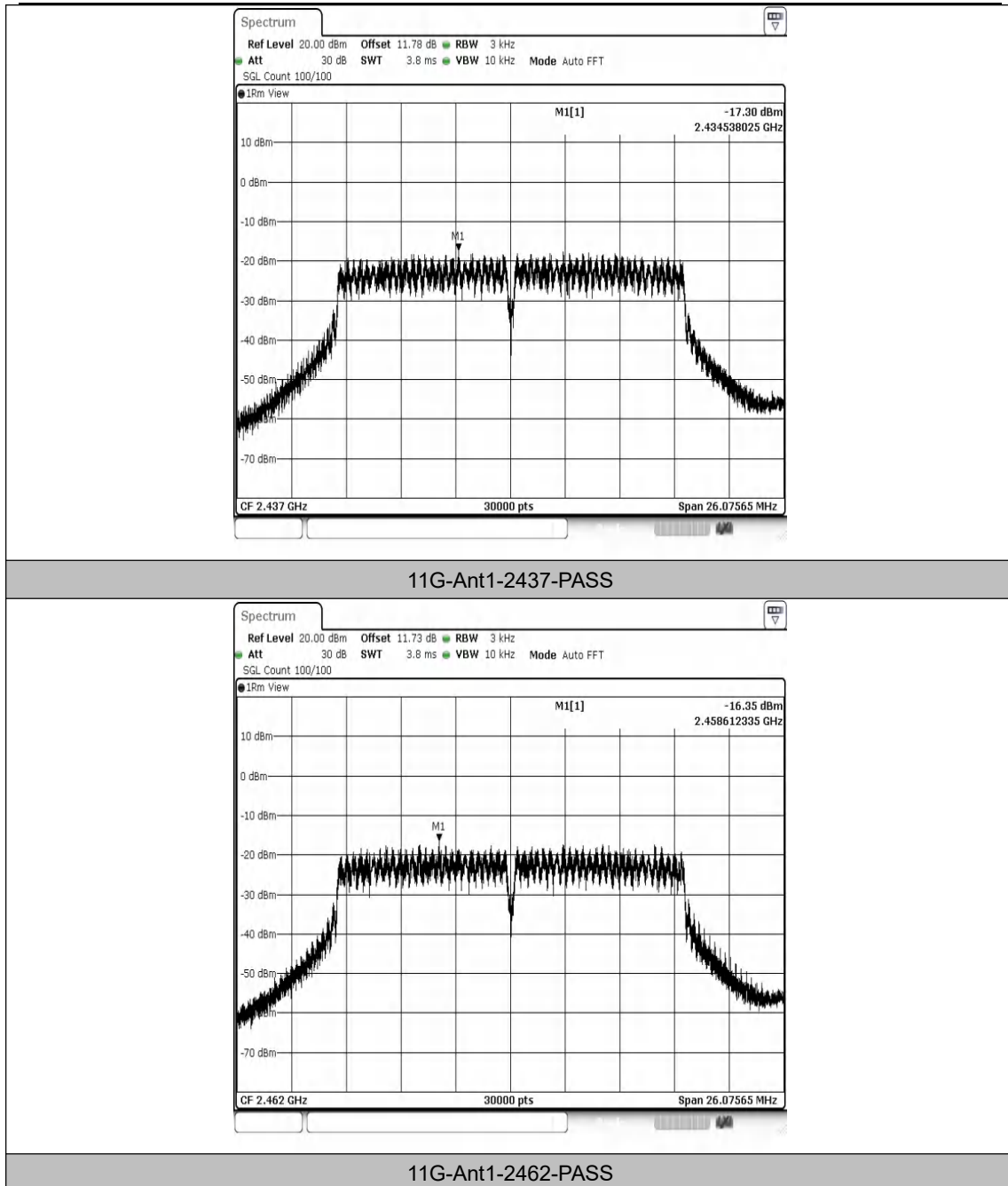
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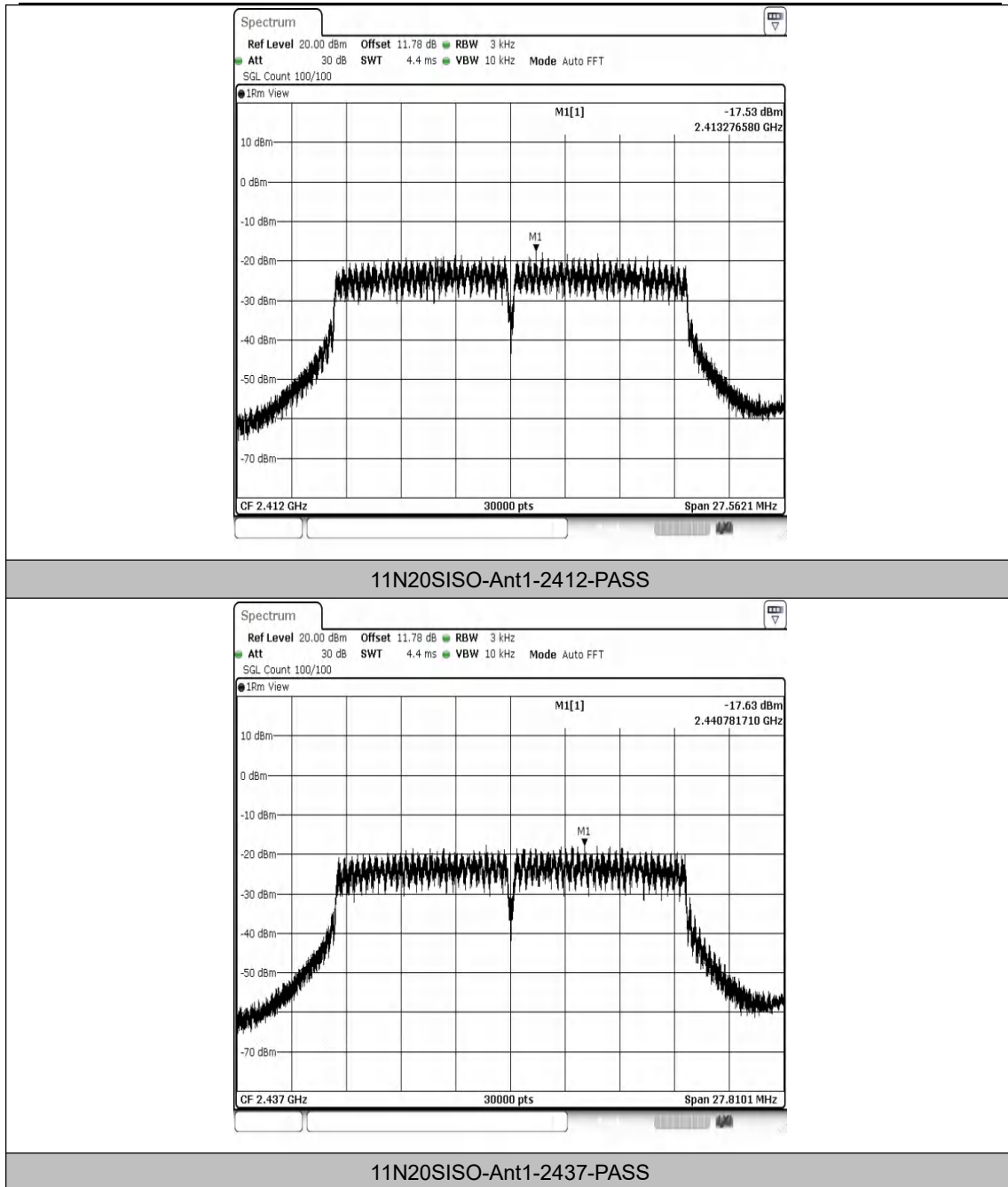
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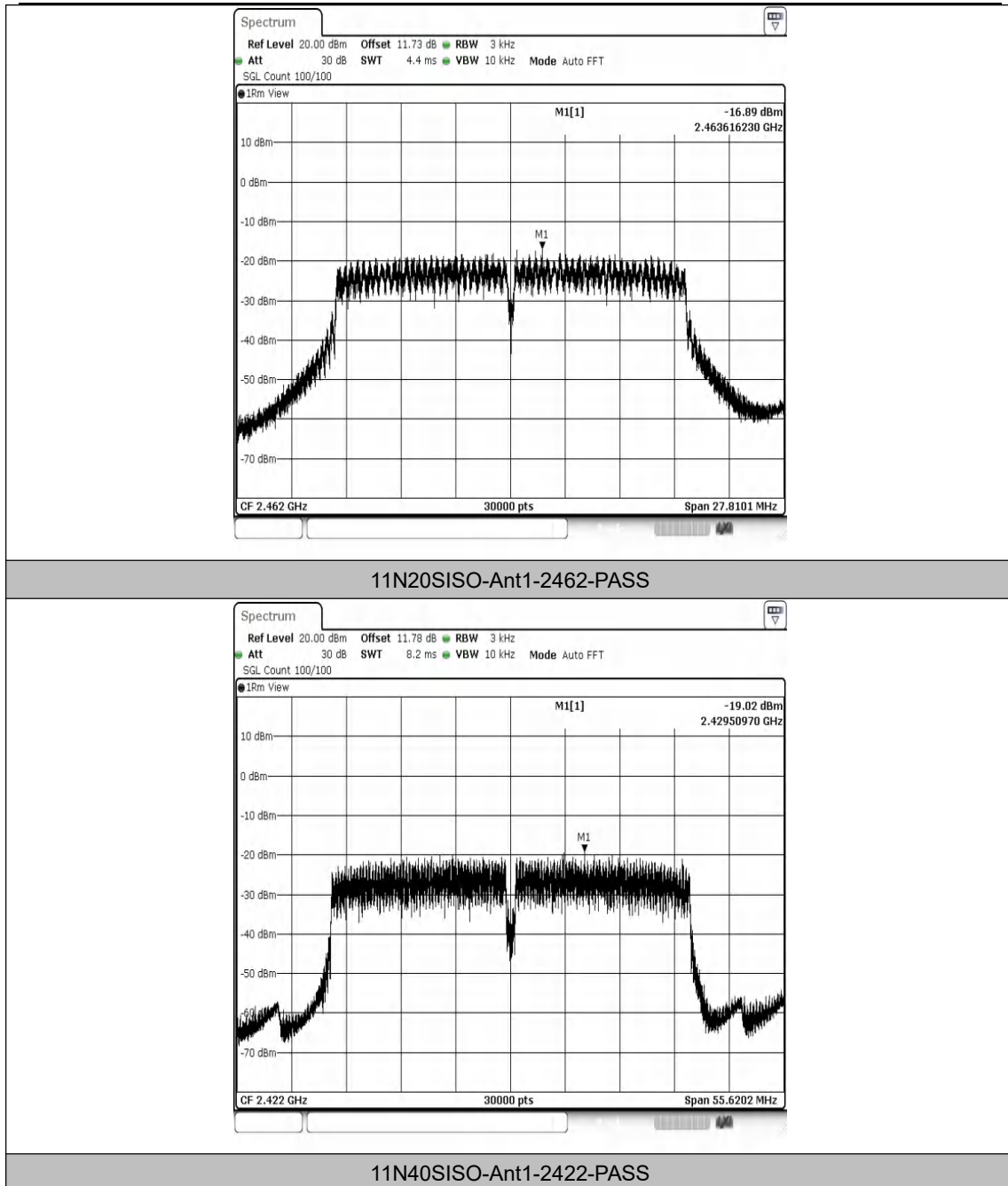
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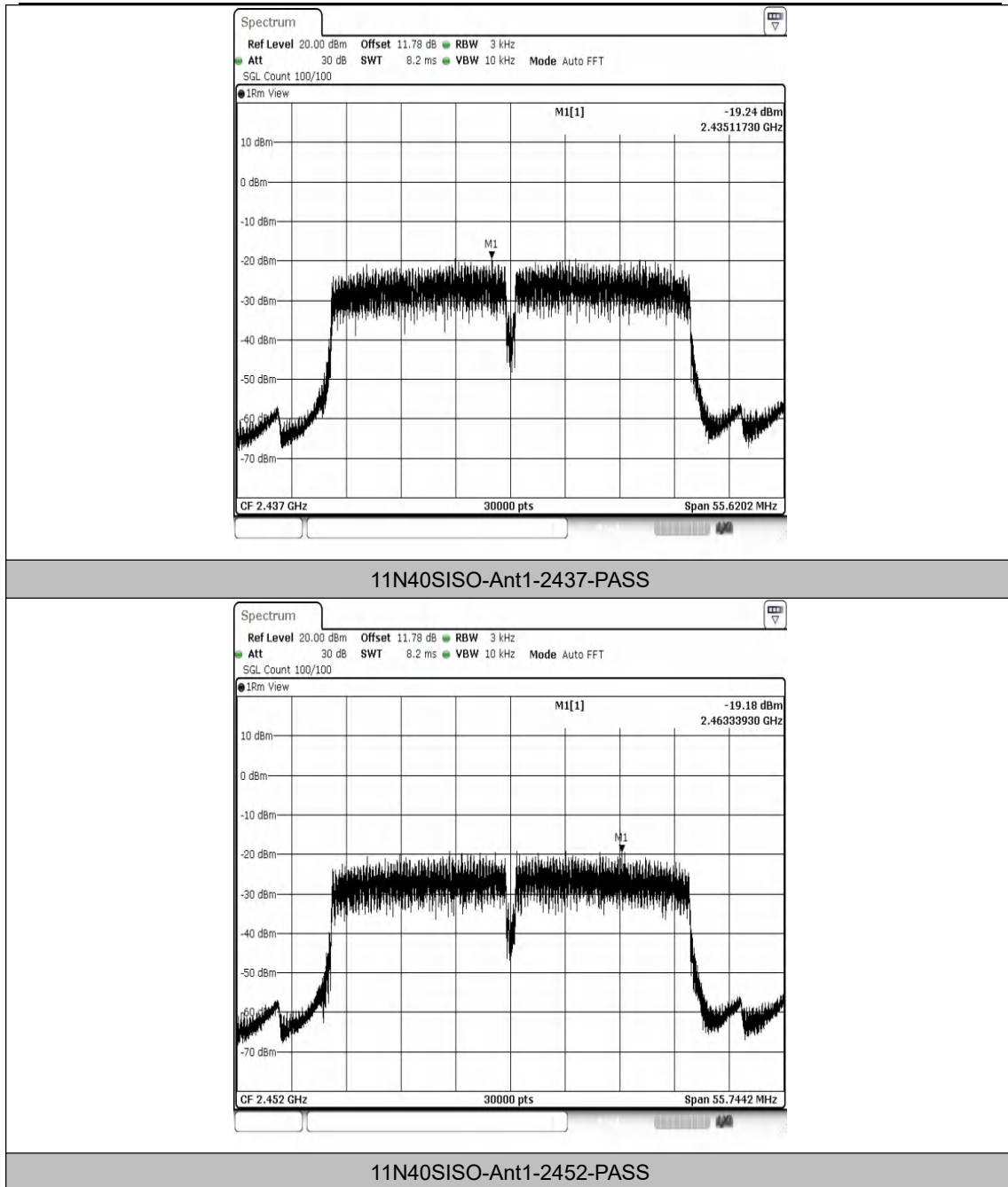
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.05	-45.57	≤-25.95	PASS
11B	Ant1	High	2462	3.93	-52.66	≤-26.07	PASS
11G	Ant1	Low	2412	1.59	-36.07	≤-28.41	PASS
11G	Ant1	High	2462	2.70	-38.69	≤-27.3	PASS
11N20SISO	Ant1	Low	2412	0.63	-35.18	≤-29.37	PASS
11N20SISO	Ant1	High	2462	0.41	-40.21	≤-29.59	PASS
11N40SISO	Ant1	Low	2422	-0.18	-40.33	≤-30.18	PASS
11N40SISO	Ant1	High	2452	0.69	-37.99	≤-29.31	PASS

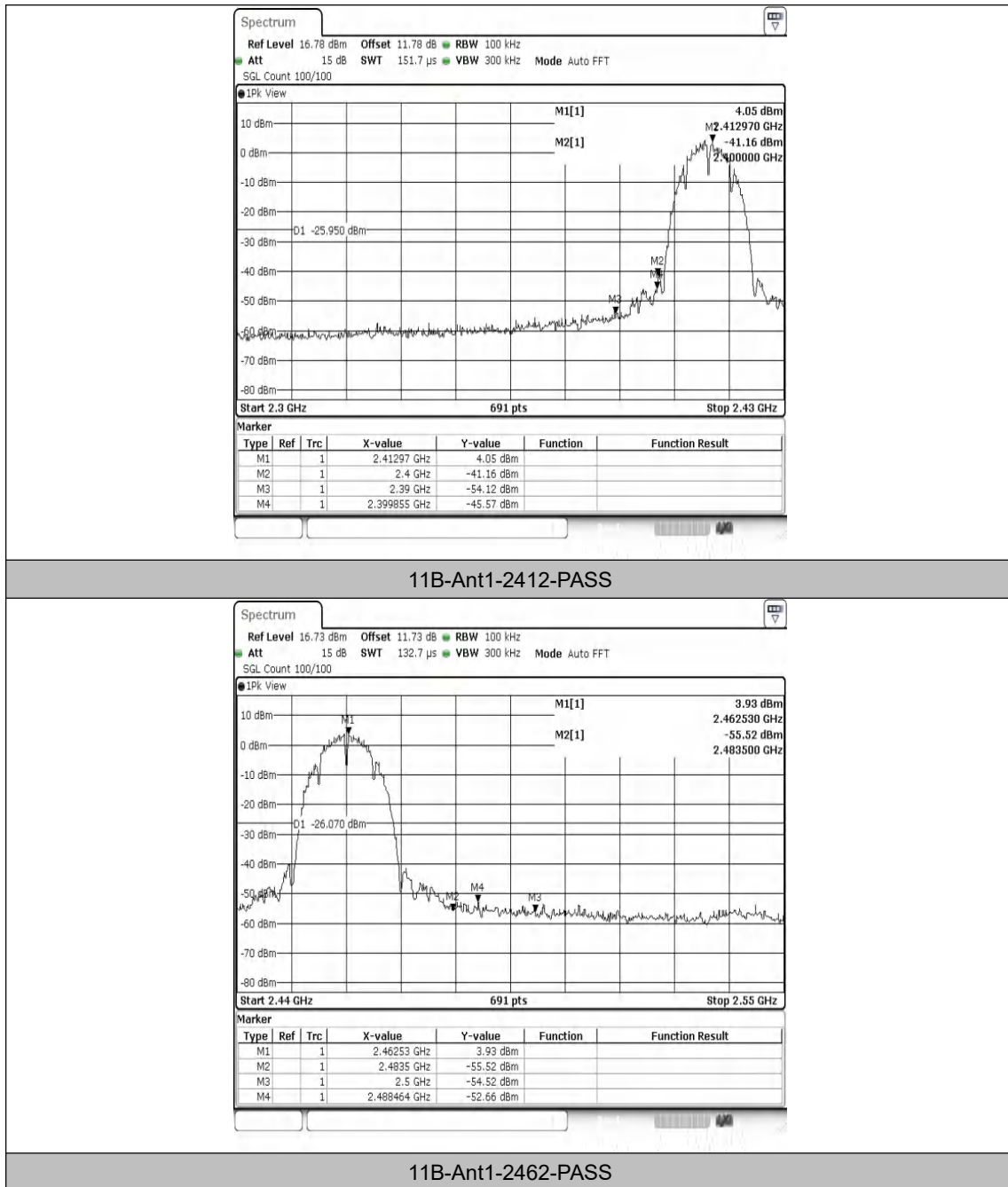
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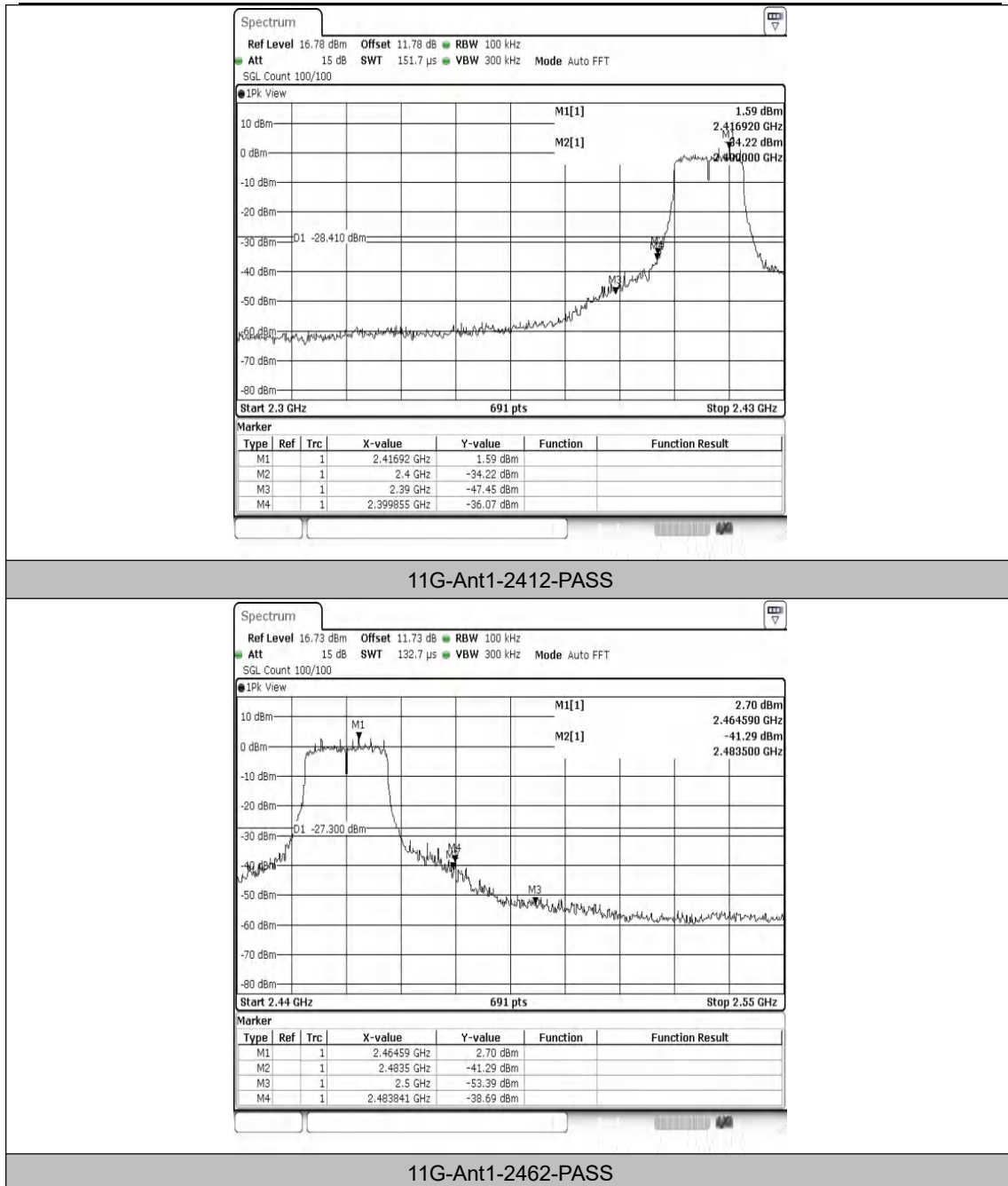
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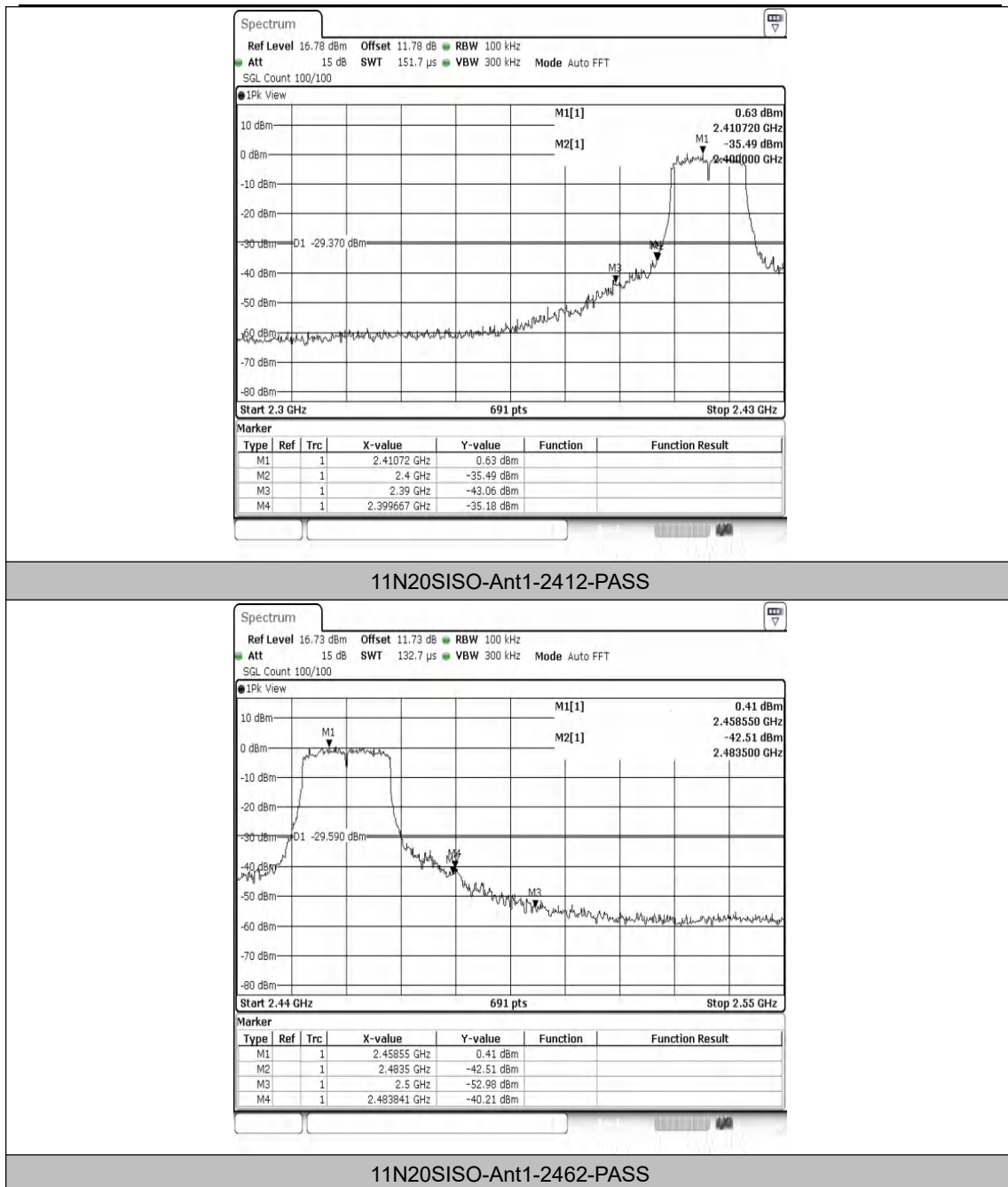


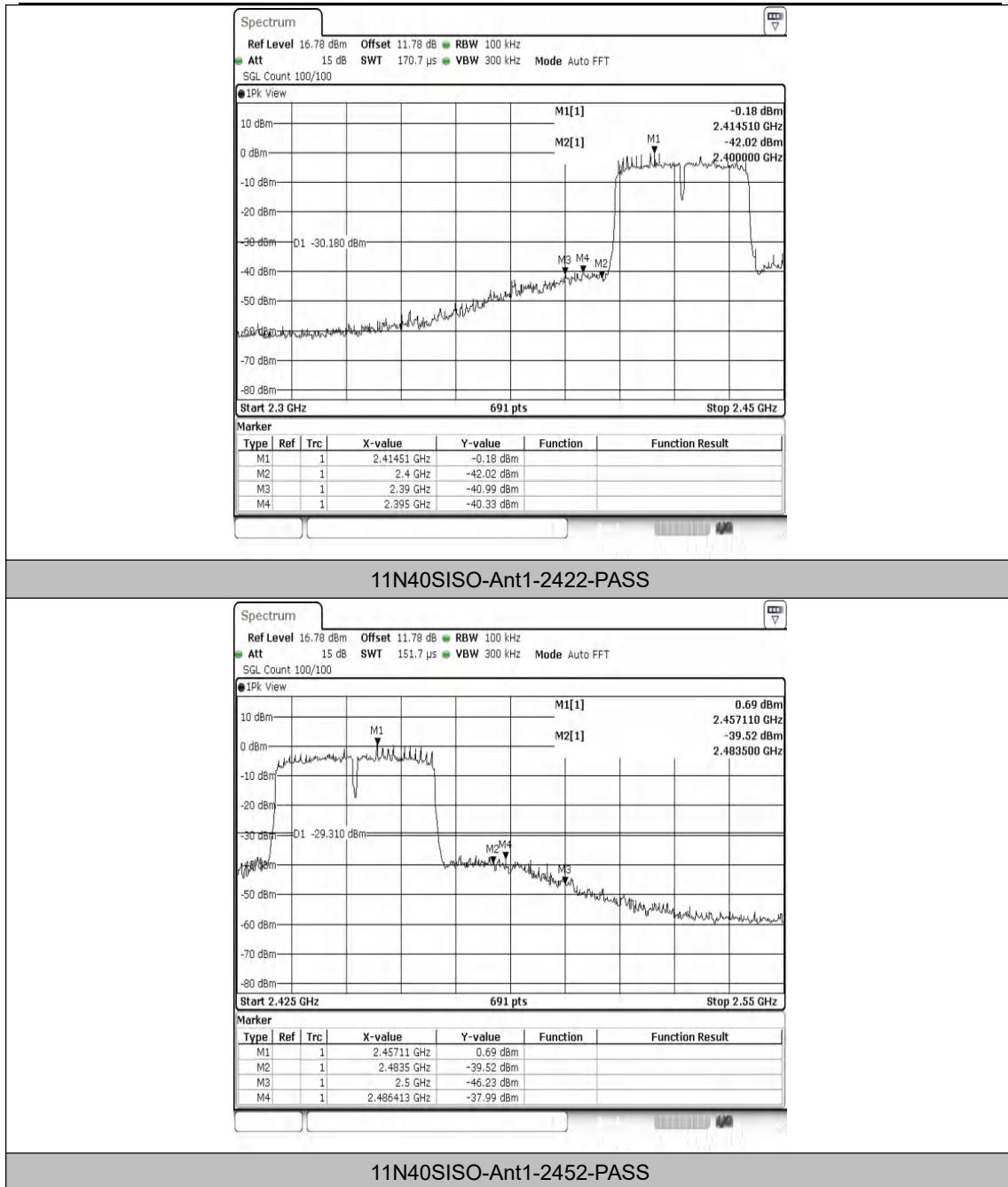
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Test Graphs









Appendix F: Conducted Spurious Emission

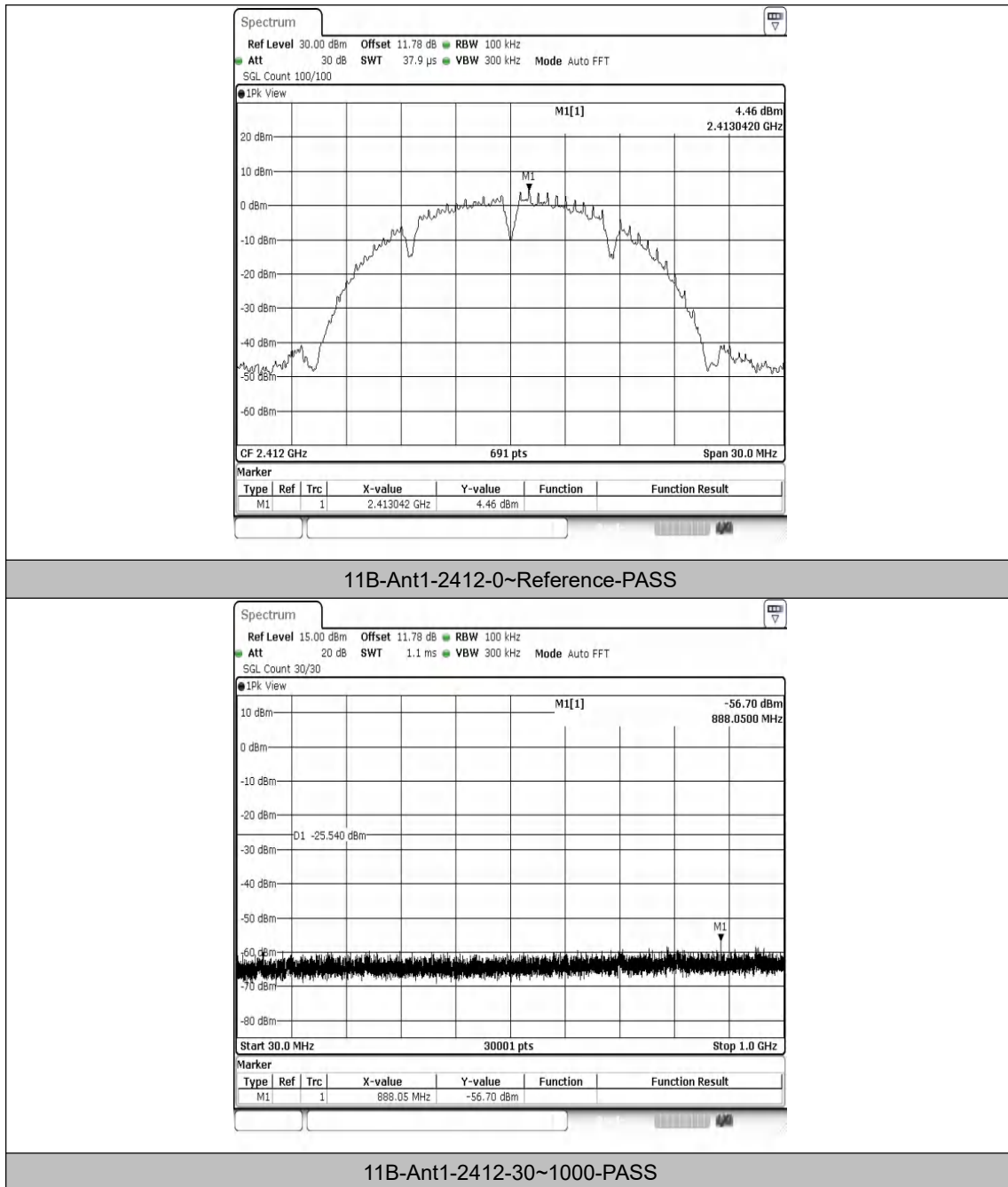
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.46	4.46	---	PASS
11B	Ant1	2412	30~1000	4.46	-56.7	≤-25.54	PASS
11B	Ant1	2412	1000~26500	4.46	-43.91	≤-25.54	PASS
11B	Ant1	2437	0~Reference	4.41	4.41	---	PASS
11B	Ant1	2437	30~1000	4.41	-58.26	≤-25.59	PASS
11B	Ant1	2437	1000~26500	4.41	-43.74	≤-25.59	PASS
11B	Ant1	2462	0~Reference	4.52	4.52	---	PASS
11B	Ant1	2462	30~1000	4.52	-56.95	≤-25.48	PASS
11B	Ant1	2462	1000~26500	4.52	-43.5	≤-25.48	PASS
11G	Ant1	2412	0~Reference	1.44	1.44	---	PASS
11G	Ant1	2412	30~1000	1.44	-57.71	≤-28.56	PASS
11G	Ant1	2412	1000~26500	1.44	-44.24	≤-28.56	PASS
11G	Ant1	2437	0~Reference	-0.07	-0.07	---	PASS
11G	Ant1	2437	30~1000	-0.07	-57.92	≤-30.07	PASS
11G	Ant1	2437	1000~26500	-0.07	-43.42	≤-30.07	PASS
11G	Ant1	2462	0~Reference	0.63	0.63	---	PASS
11G	Ant1	2462	30~1000	0.63	-58.16	≤-29.37	PASS
11G	Ant1	2462	1000~26500	0.63	-43.73	≤-29.37	PASS
11N20SISO	Ant1	2412	0~Reference	-1.05	-1.05	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.05	-57.77	≤-31.05	PASS
11N20SISO	Ant1	2412	1000~26500	-1.05	-43.54	≤-31.05	PASS
11N20SISO	Ant1	2437	0~Reference	2.97	2.97	---	PASS
11N20SISO	Ant1	2437	30~1000	2.97	-58.23	≤-27.03	PASS
11N20SISO	Ant1	2437	1000~26500	2.97	-43.88	≤-27.03	PASS
11N20SISO	Ant1	2462	0~Reference	3.49	3.49	---	PASS
11N20SISO	Ant1	2462	30~1000	3.49	-57.74	≤-26.51	PASS
11N20SISO	Ant1	2462	1000~26500	3.49	-44.15	≤-26.51	PASS
11N40SISO	Ant1	2422	0~Reference	-0.57	-0.57	---	PASS
11N40SISO	Ant1	2422	30~1000	-0.57	-56.09	≤-30.57	PASS
11N40SISO	Ant1	2422	1000~26500	-0.57	-44.15	≤-30.57	PASS
11N40SISO	Ant1	2437	0~Reference	0.06	0.06	---	PASS
11N40SISO	Ant1	2437	30~1000	0.06	-56.75	≤-29.94	PASS
11N40SISO	Ant1	2437	1000~26500	0.06	-43.15	≤-29.94	PASS
11N40SISO	Ant1	2452	0~Reference	-0.93	-0.93	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.93	-58.04	≤-30.93	PASS
11N40SISO	Ant1	2452	1000~26500	-0.93	-43.88	≤-30.93	PASS

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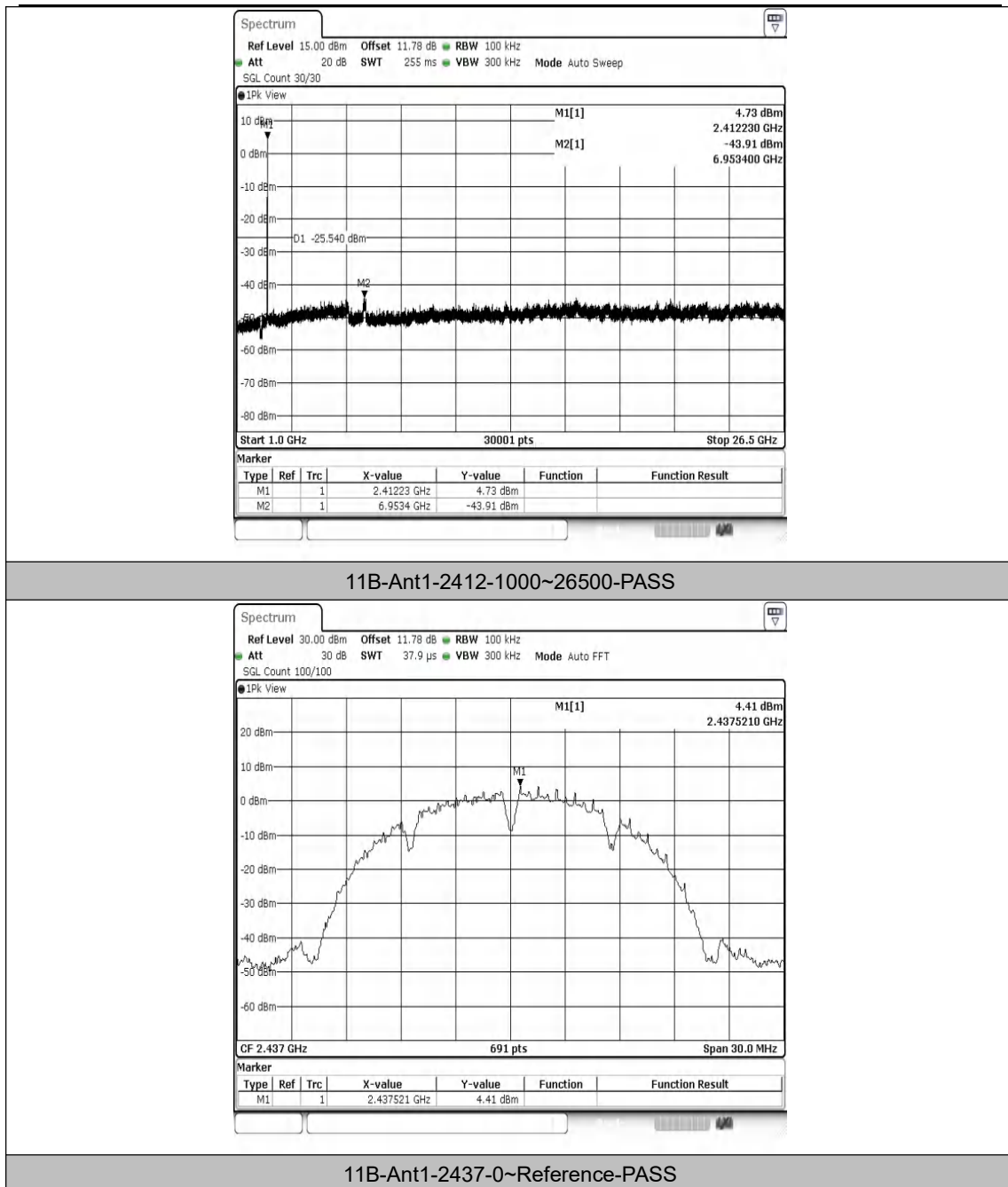
Test Graphs

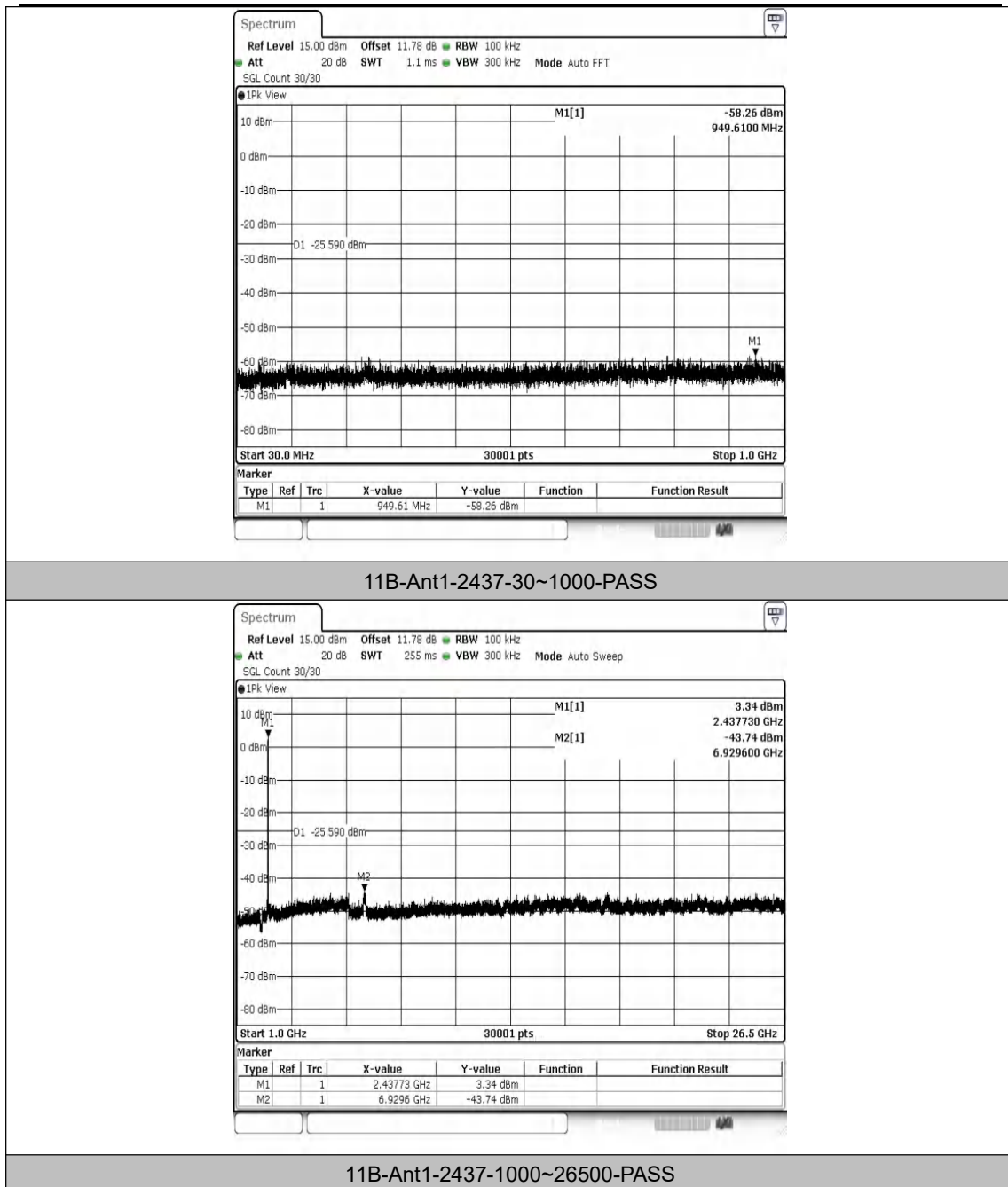


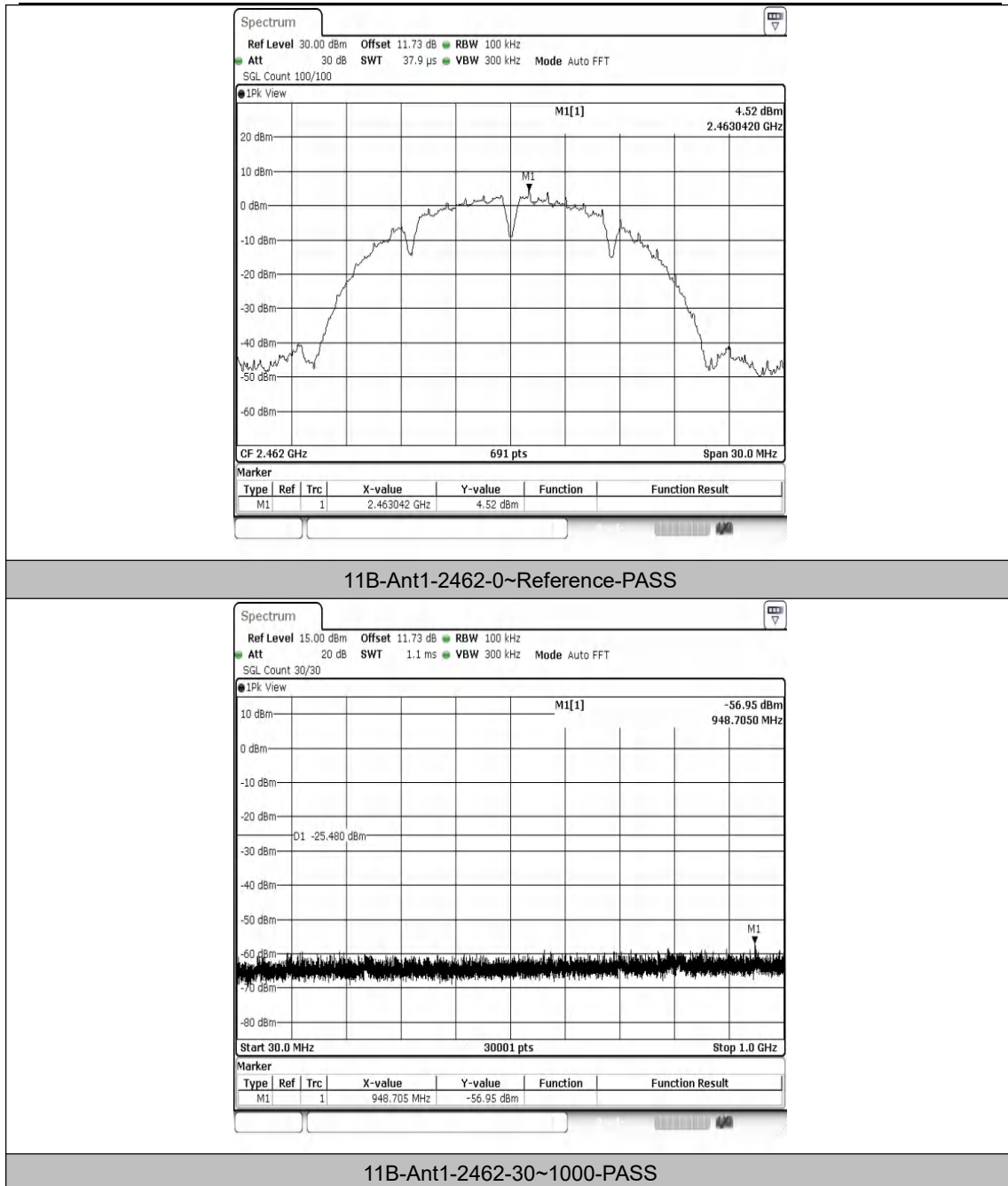
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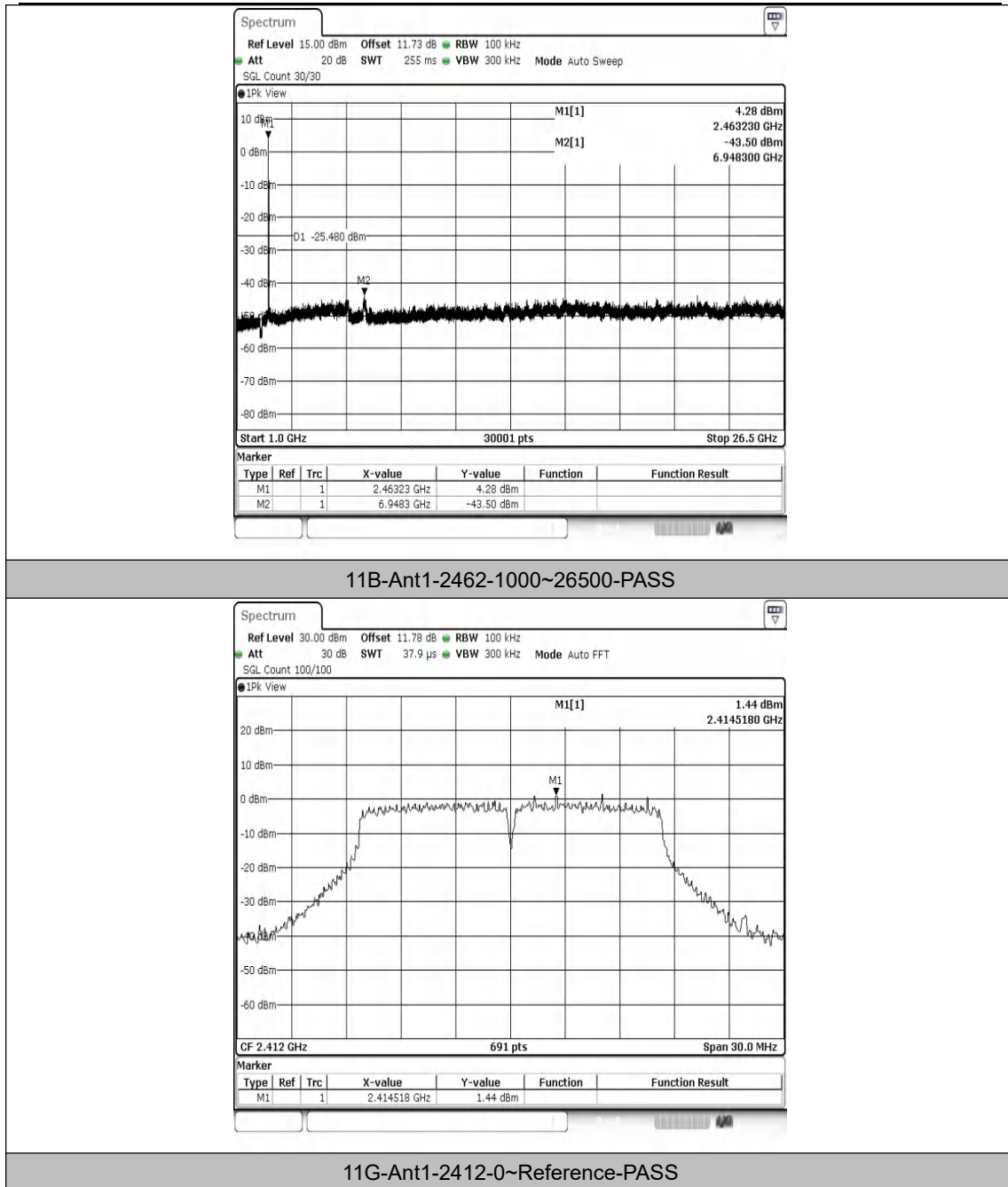




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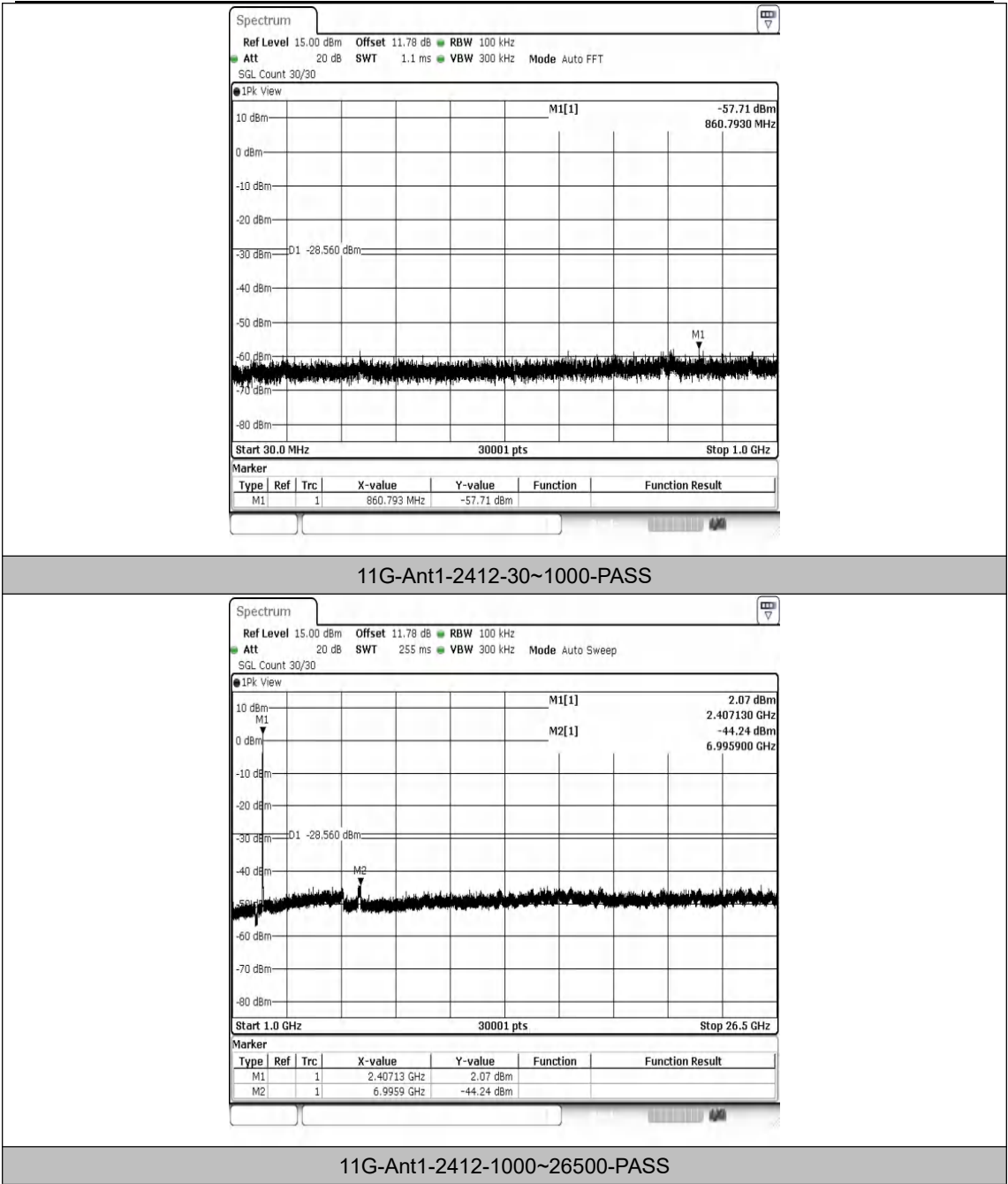
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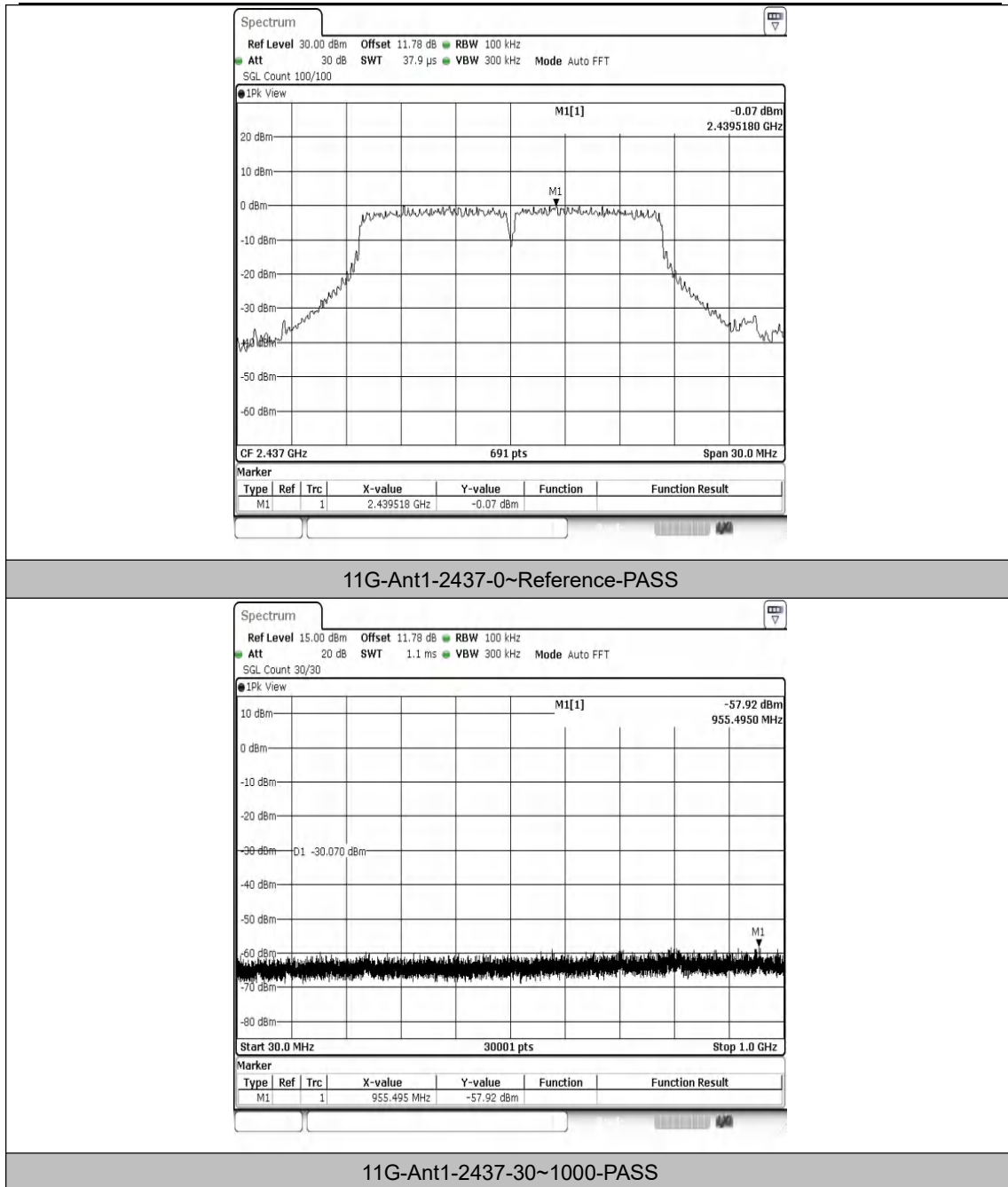


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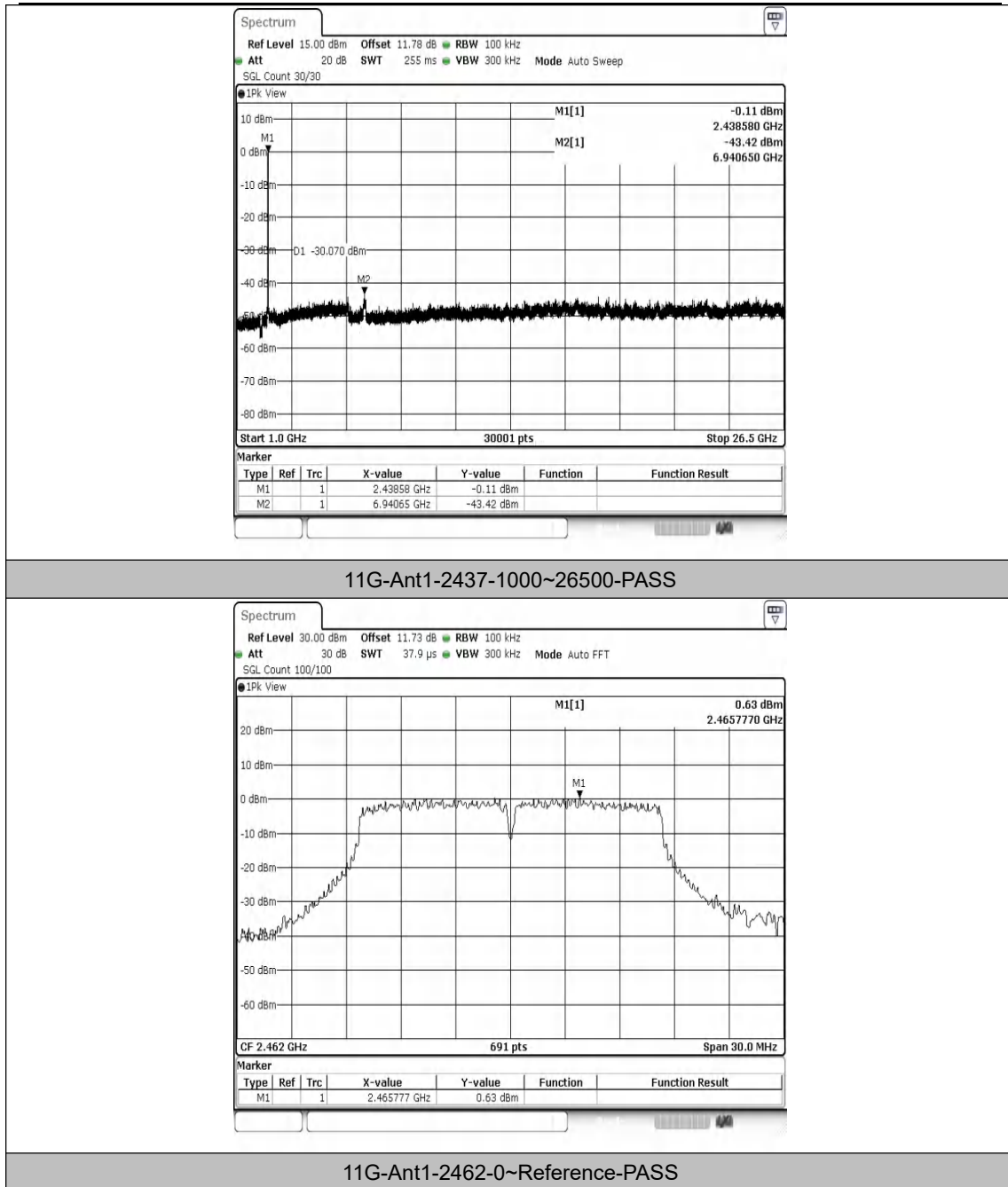




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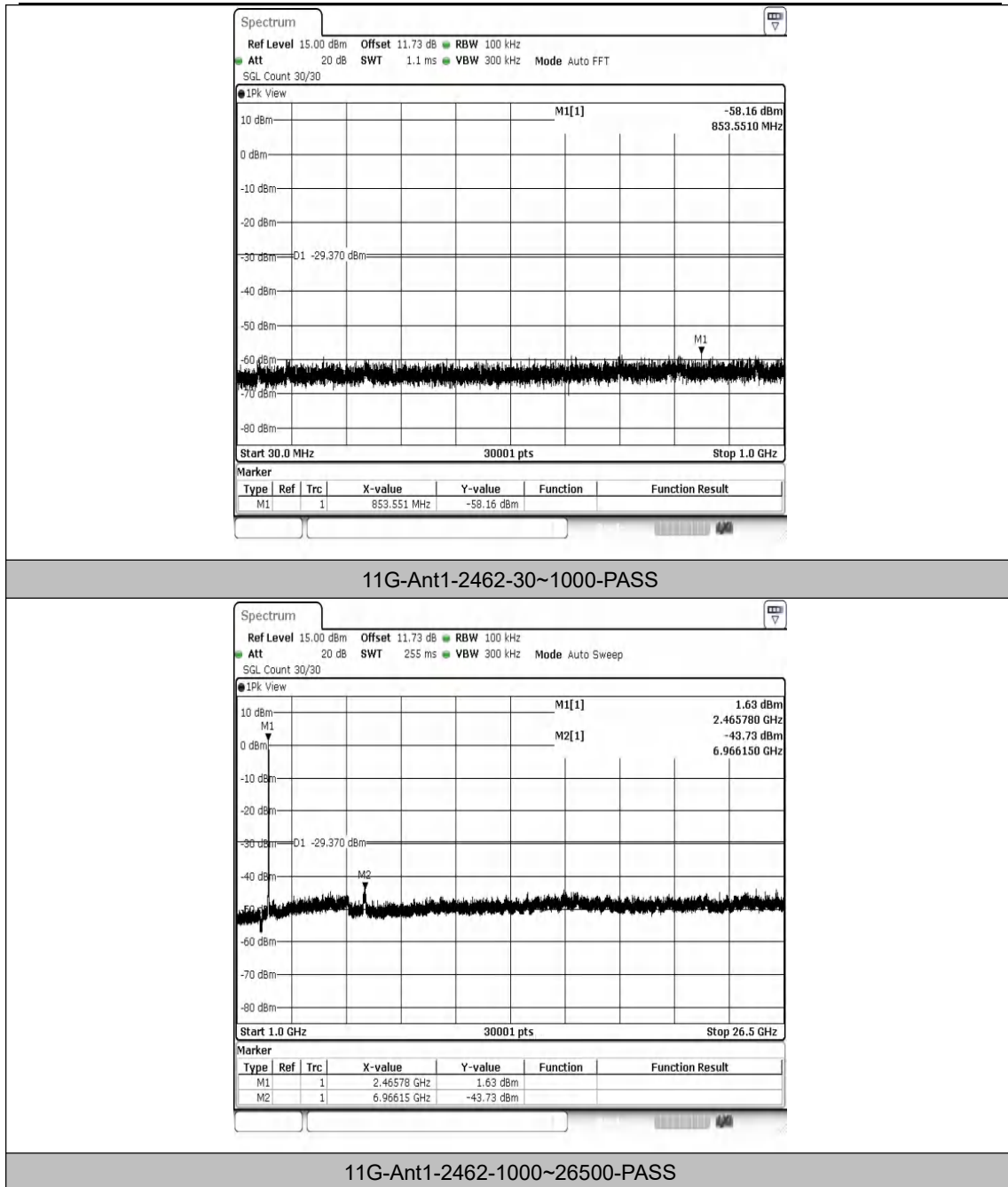
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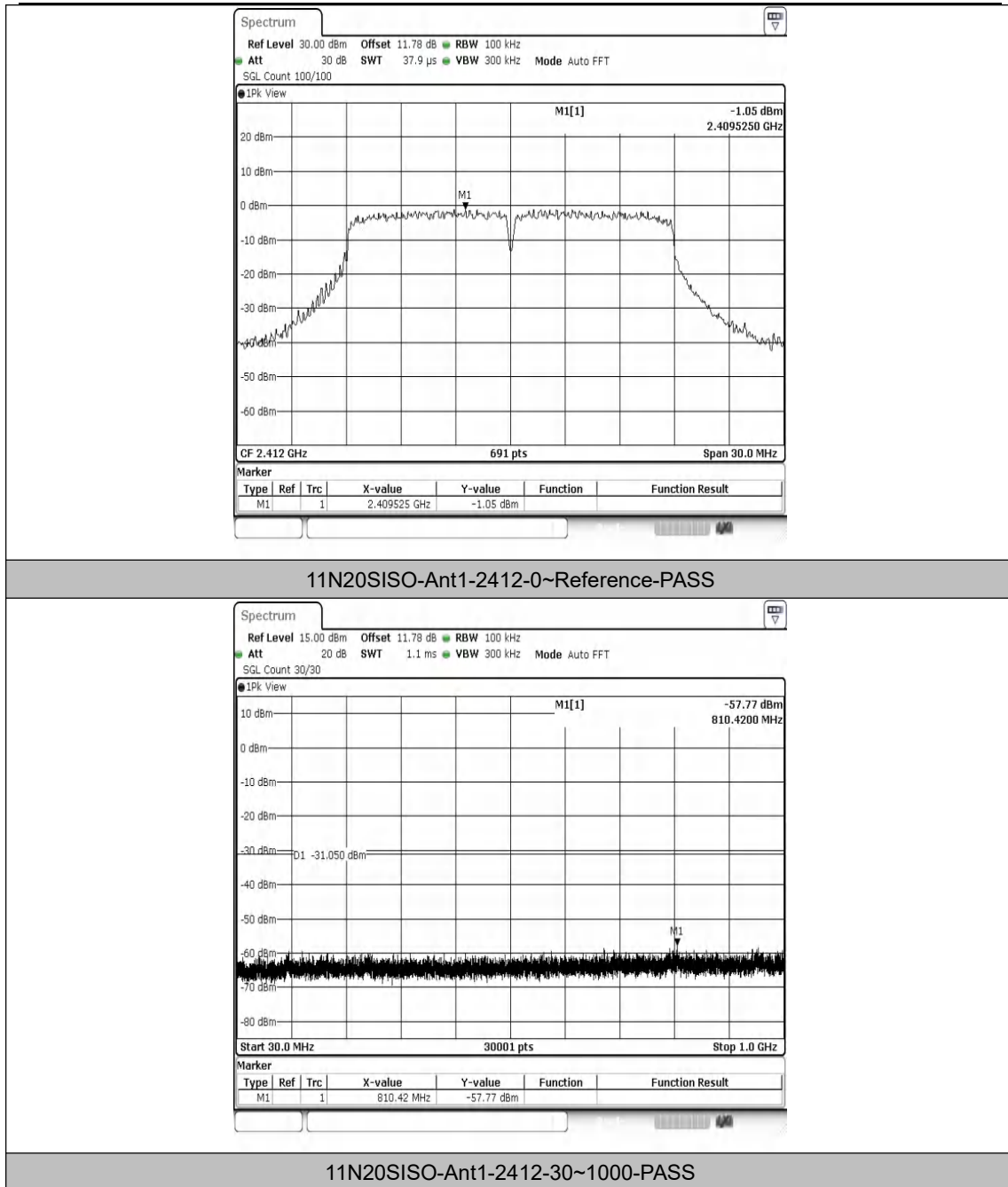
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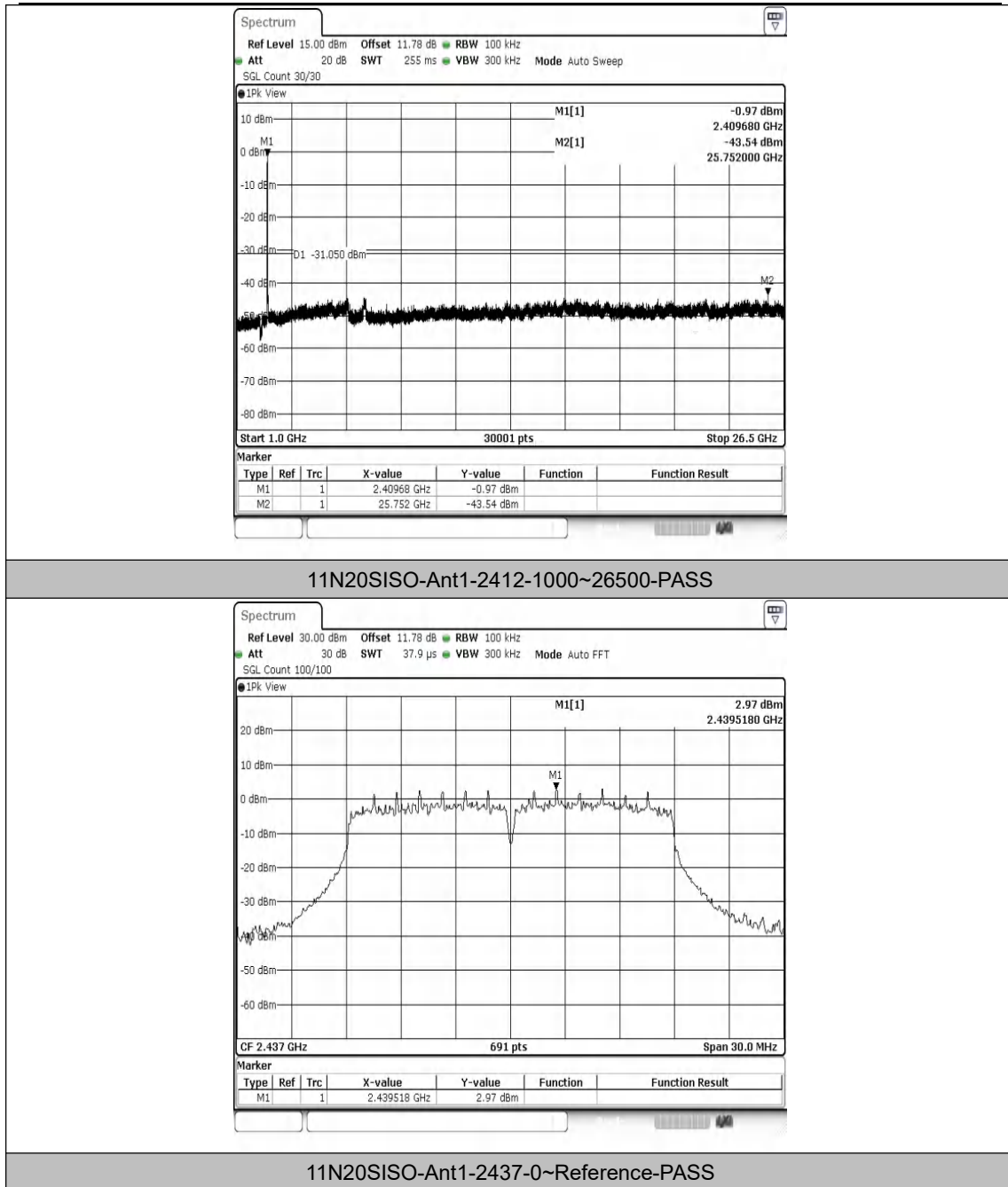
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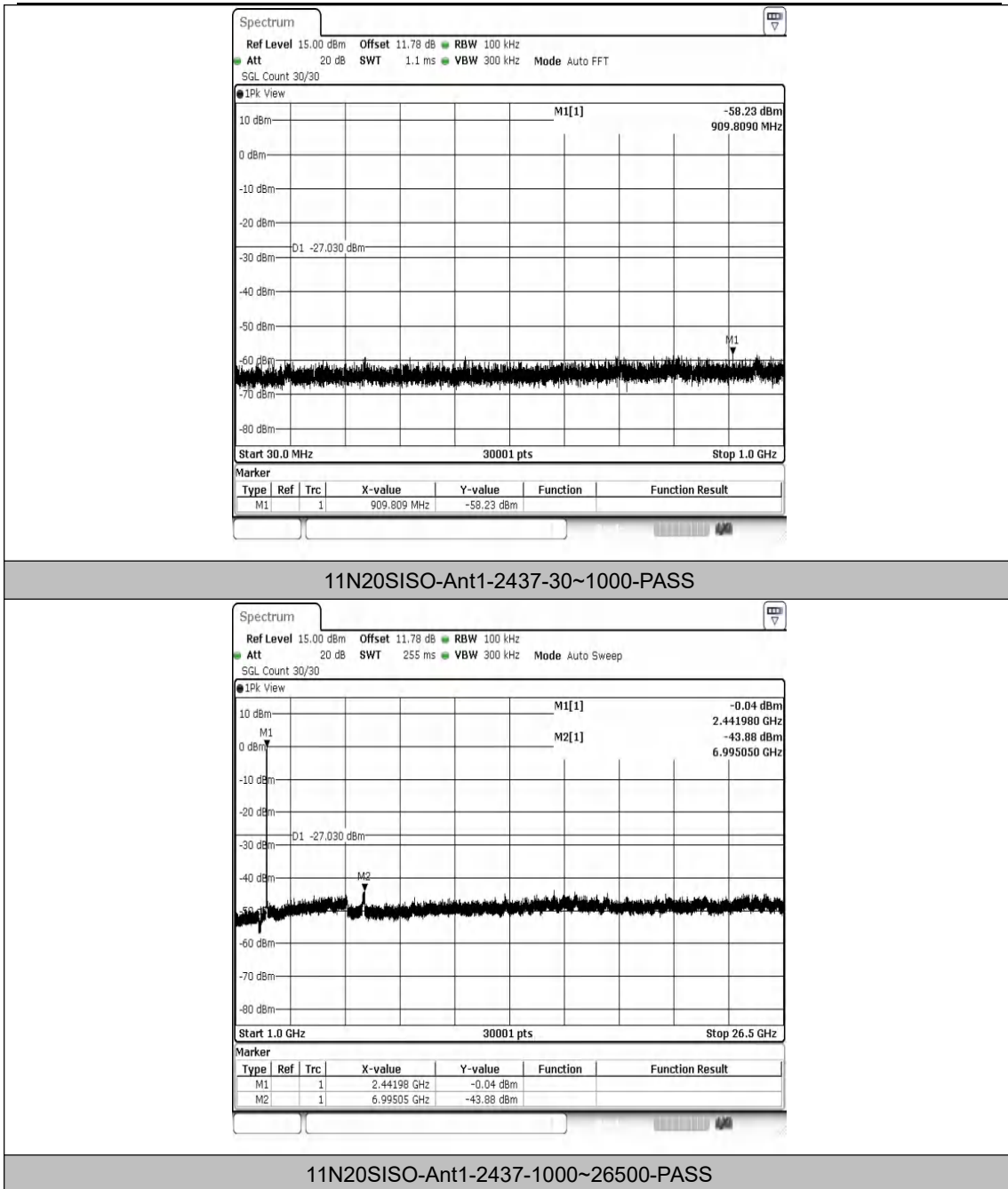
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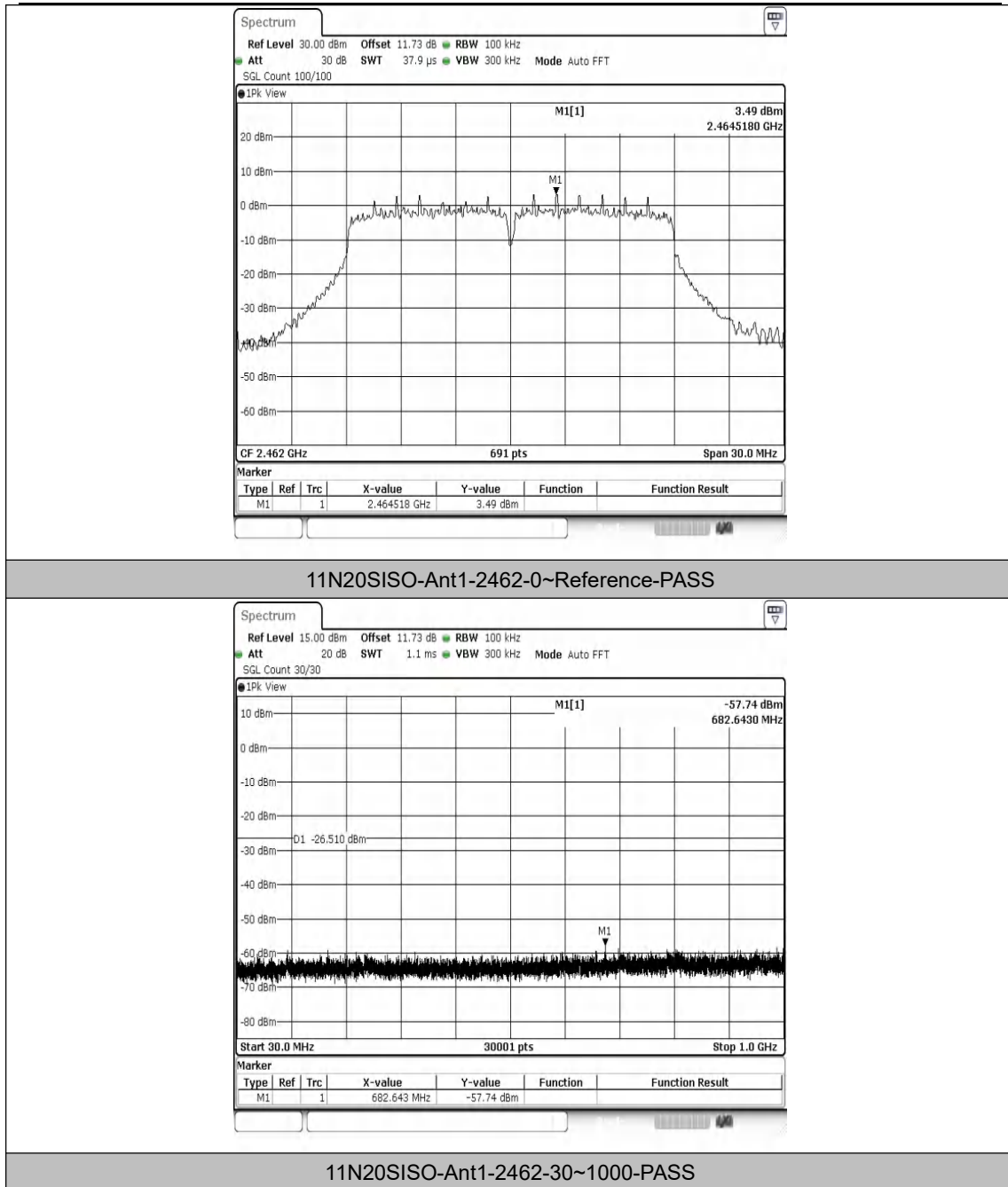


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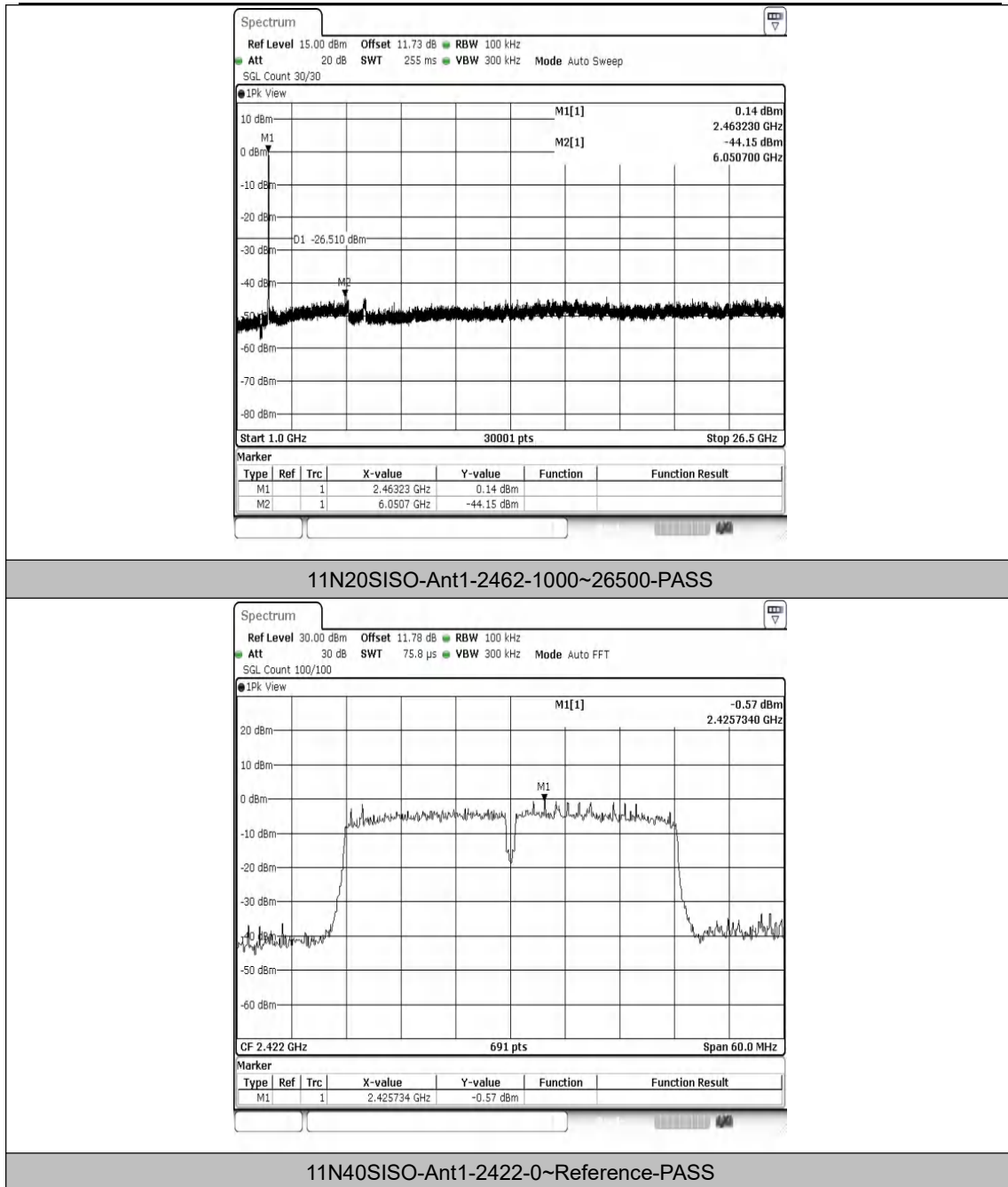




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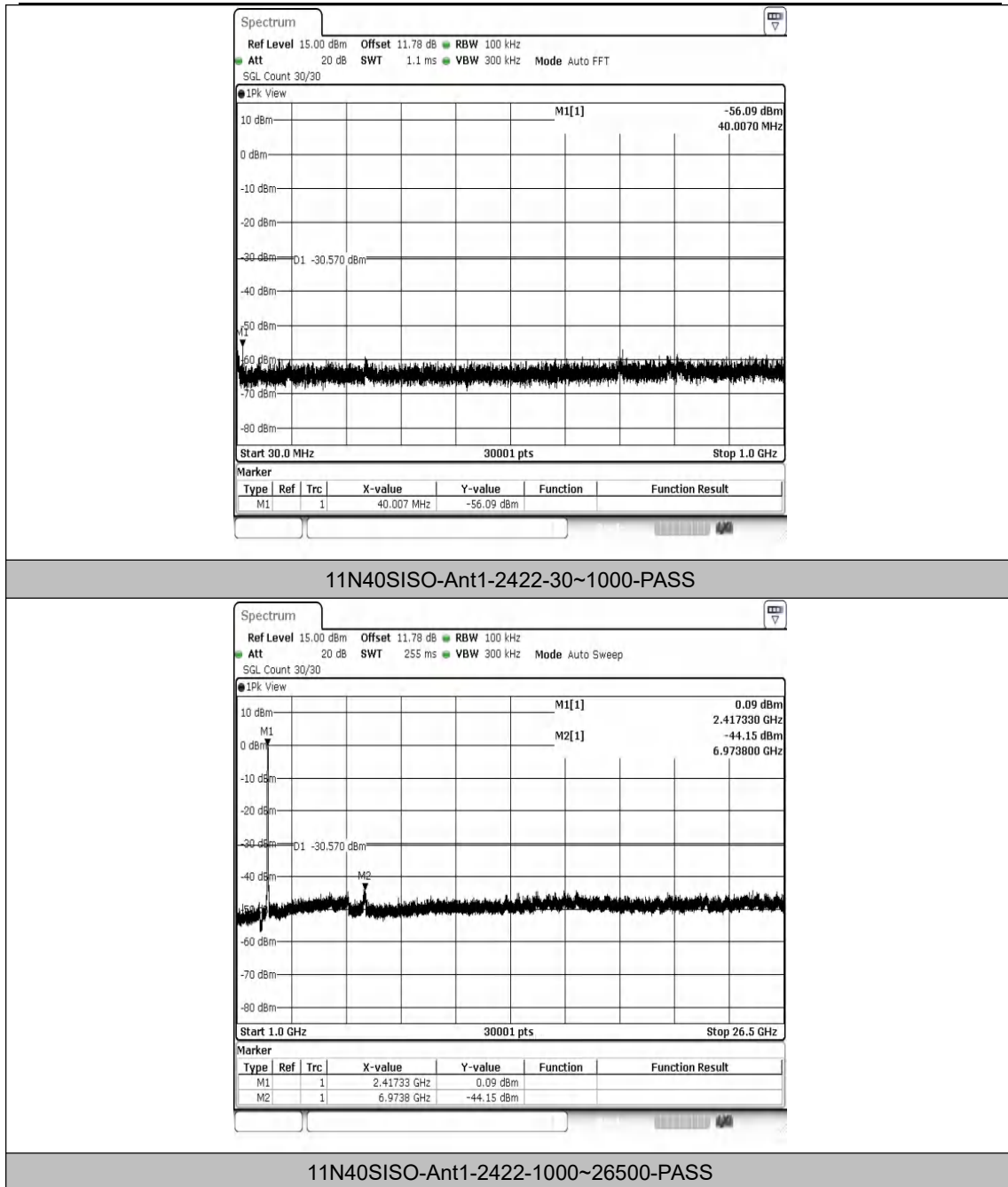
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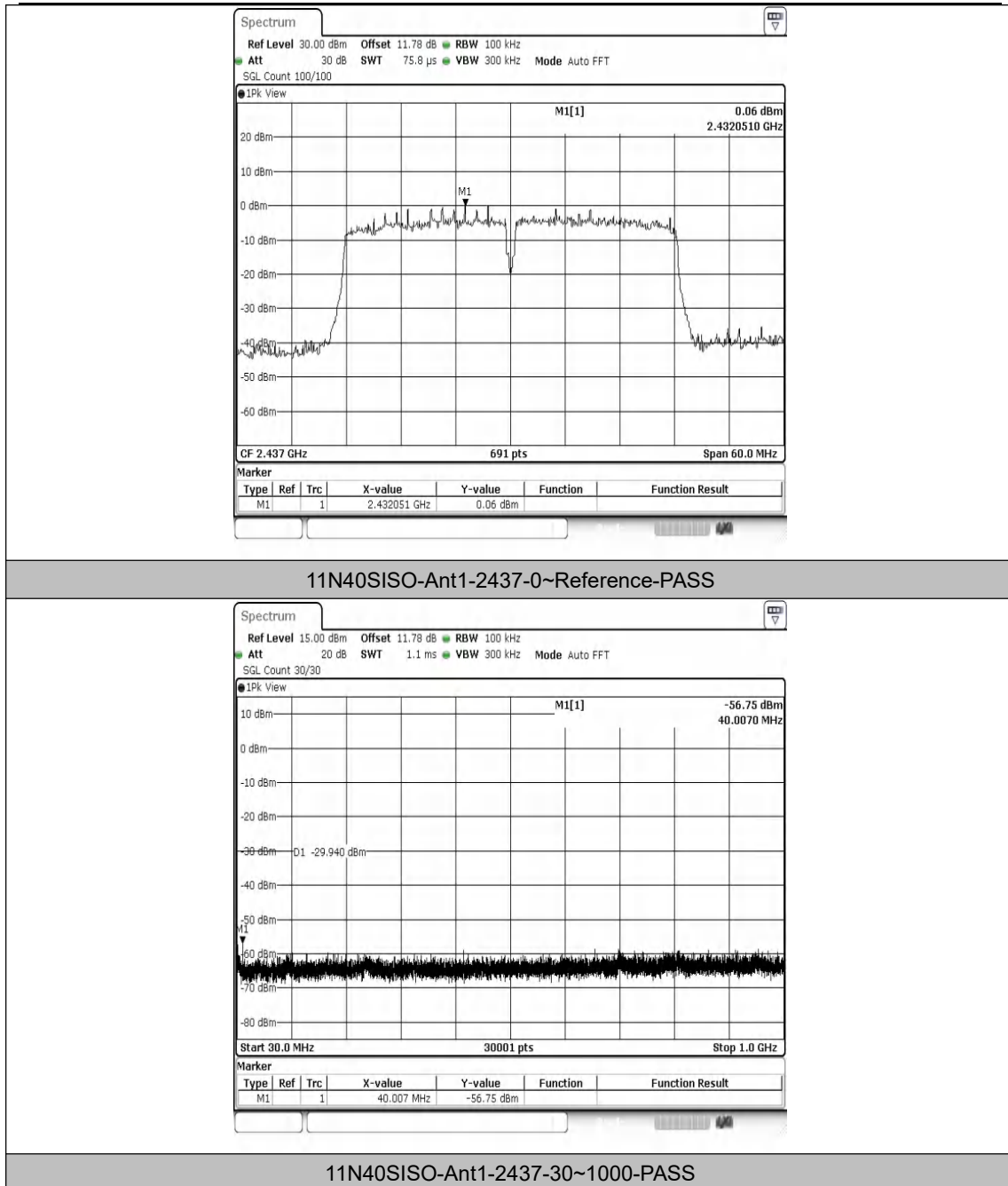
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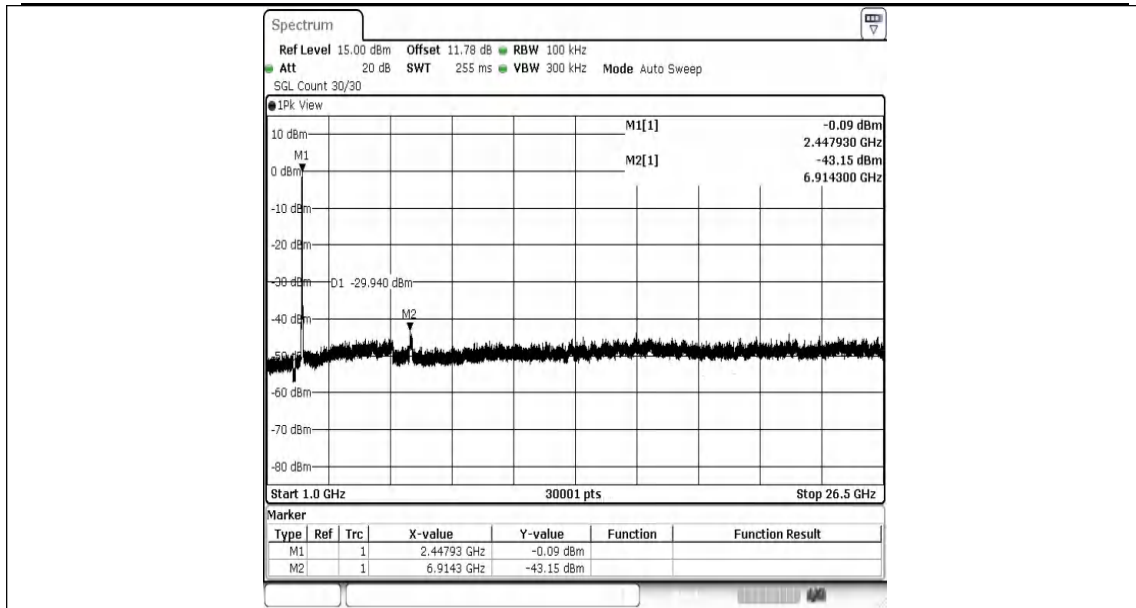


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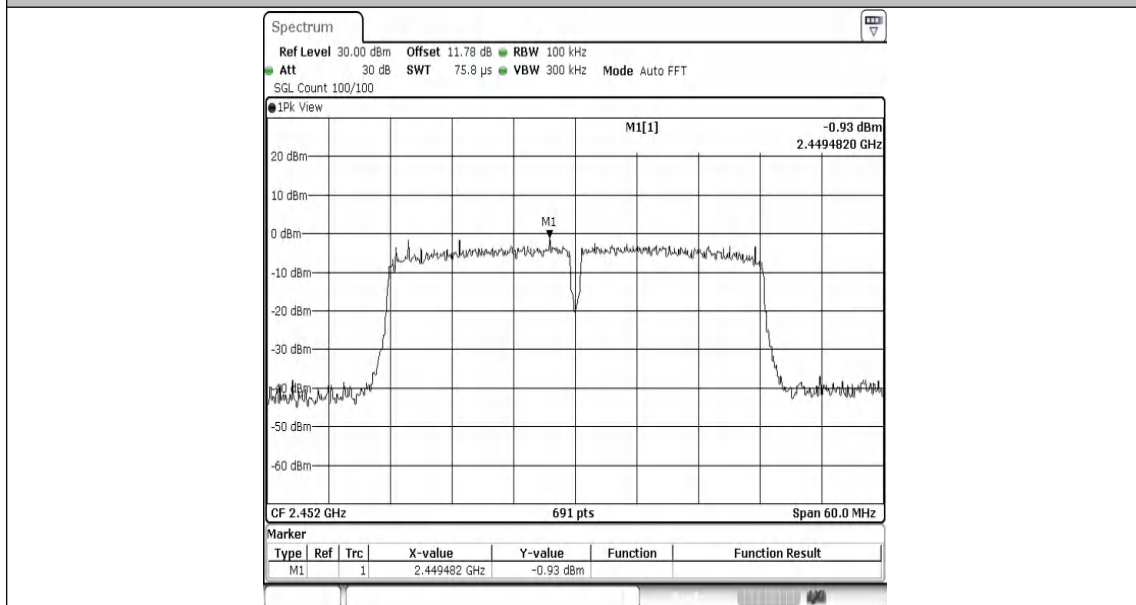
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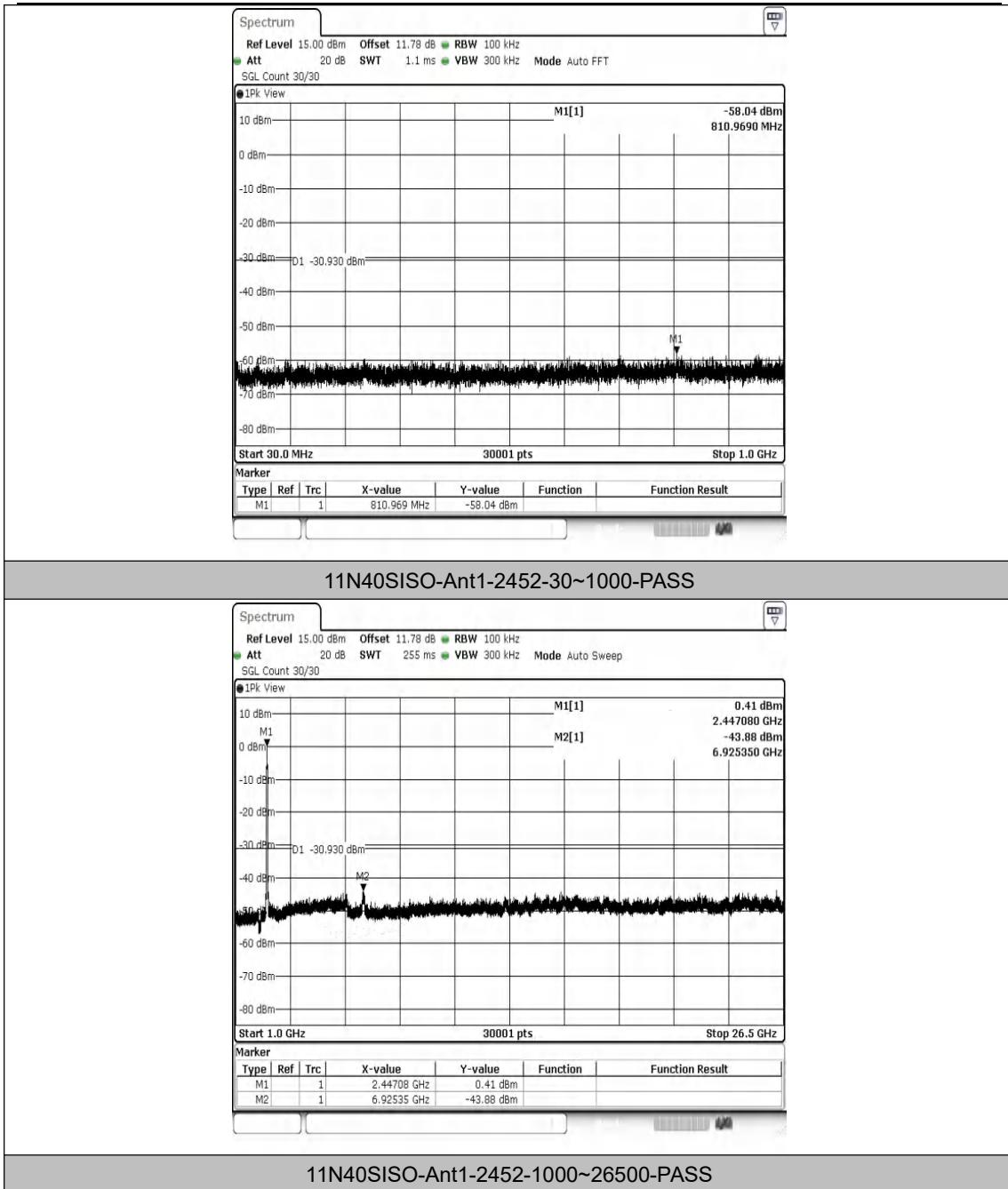
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11N40SISO-Ant1-2437-1000~26500-PASS



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

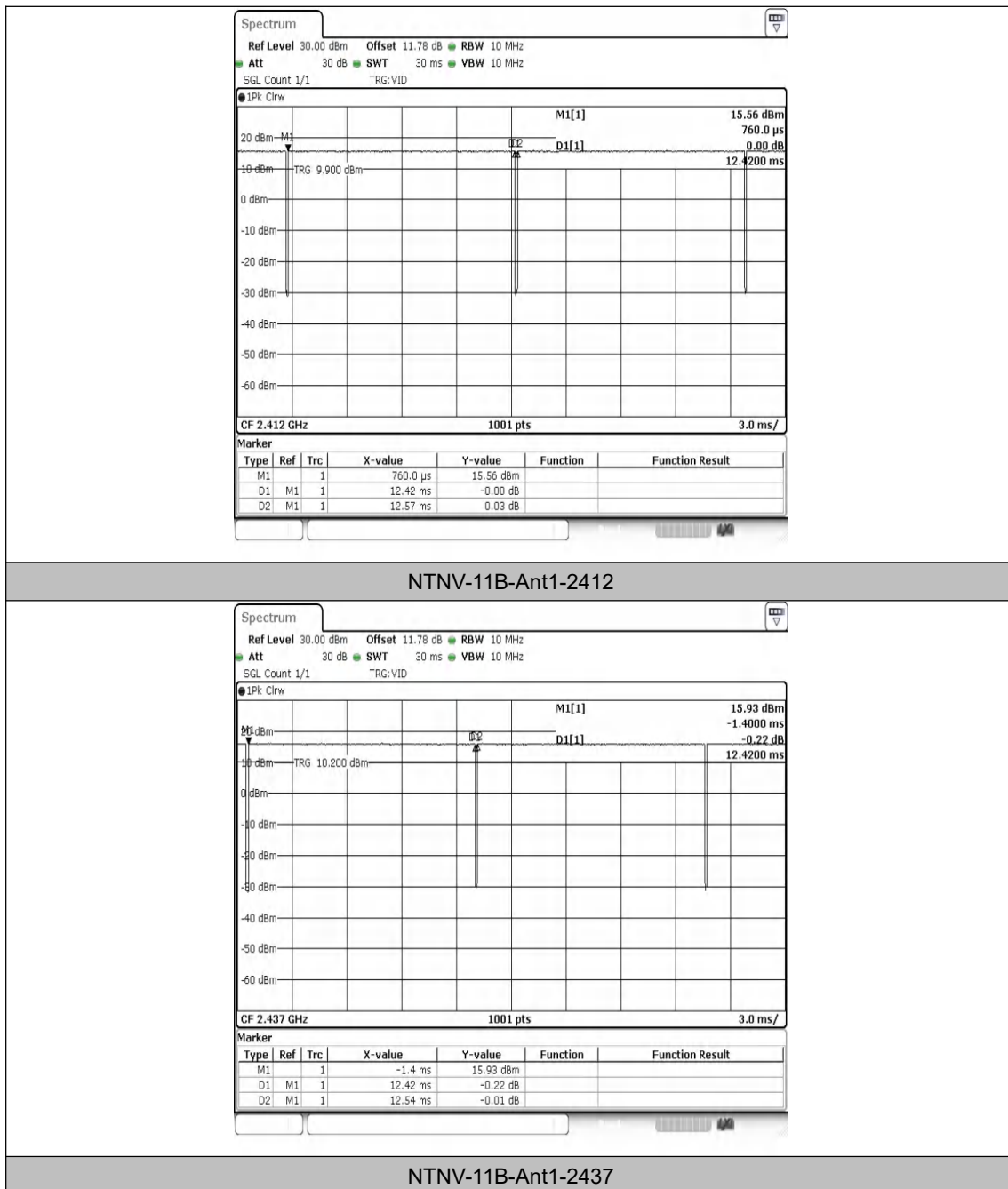


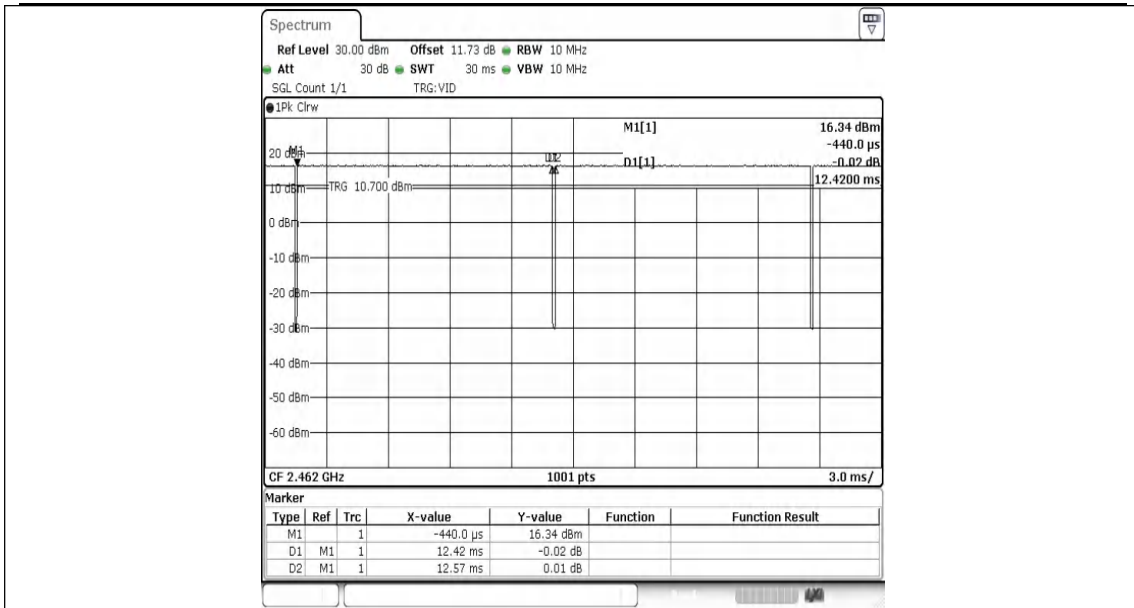
Appendix G: Duty Cycle

Test Result

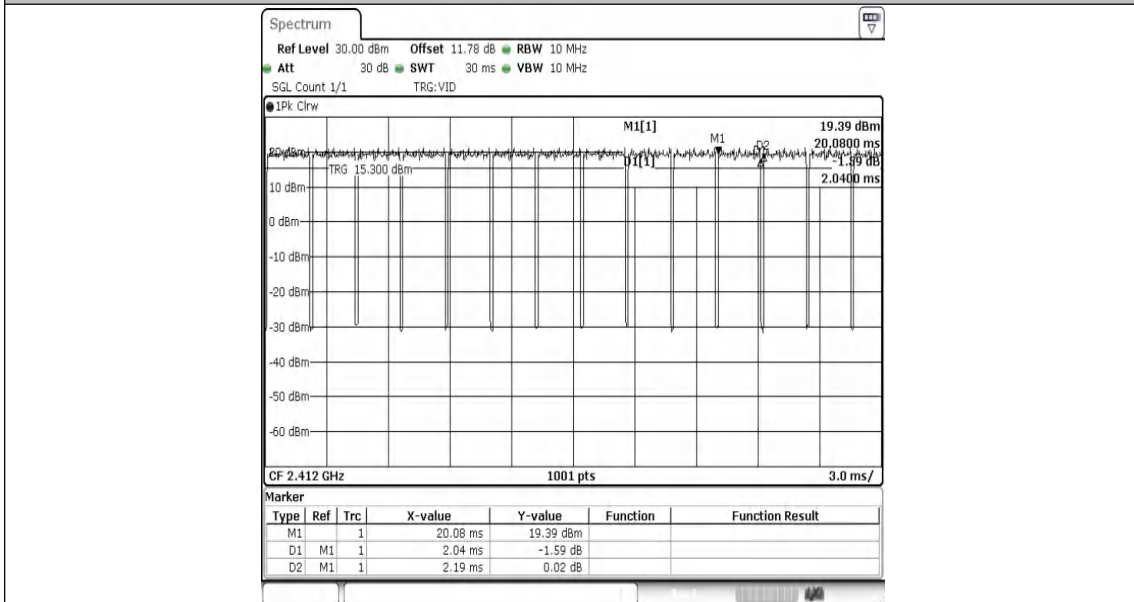
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.57	98.81	0.05
11B	Ant1	2437	12.42	12.54	99.04	0.04
11B	Ant1	2462	12.42	12.57	98.81	0.05
11G	Ant1	2412	2.04	2.19	93.15	0.31
11G	Ant1	2437	2.04	2.19	93.15	0.31
11G	Ant1	2462	2.04	2.19	93.15	0.31
11N20SISO	Ant1	2412	1.92	2.07	92.75	0.33
11N20SISO	Ant1	2437	1.92	2.07	92.75	0.33
11N20SISO	Ant1	2462	1.92	2.07	92.75	0.33
11N40SISO	Ant1	2422	0.93	1.08	86.11	0.65
11N40SISO	Ant1	2437	0.93	1.08	86.11	0.65
11N40SISO	Ant1	2452	0.93	1.08	86.11	0.65

Test Graphs

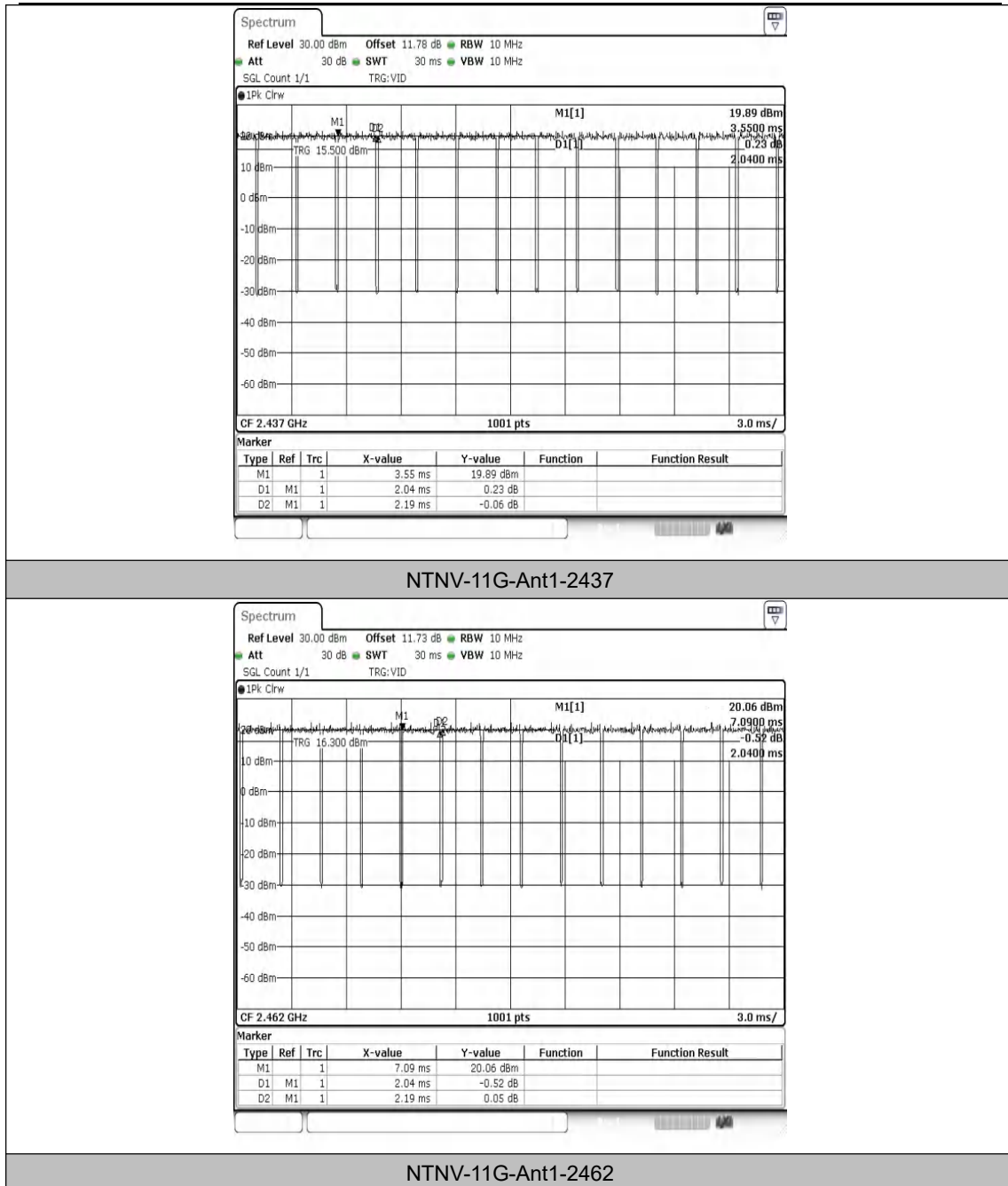


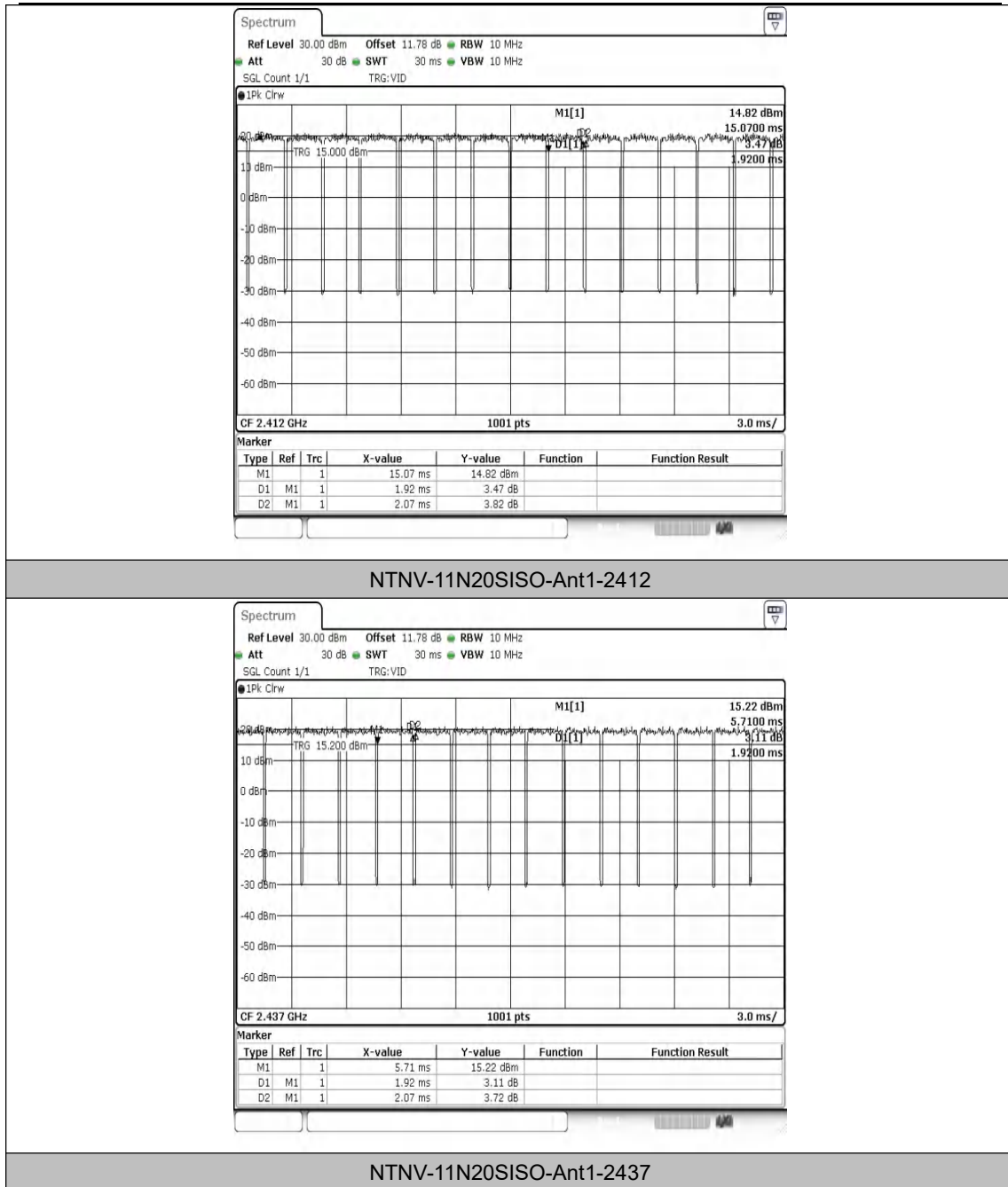


NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412

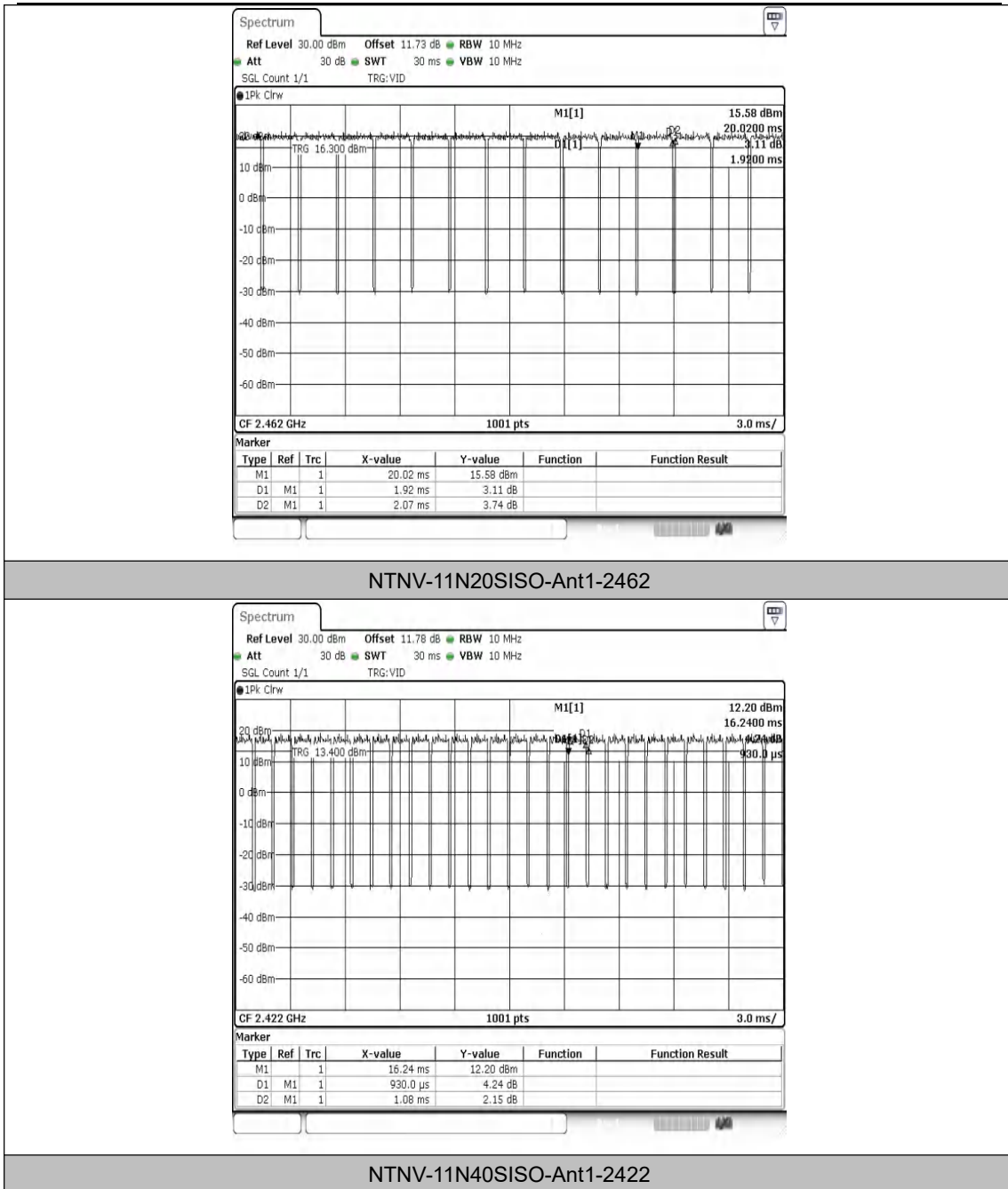


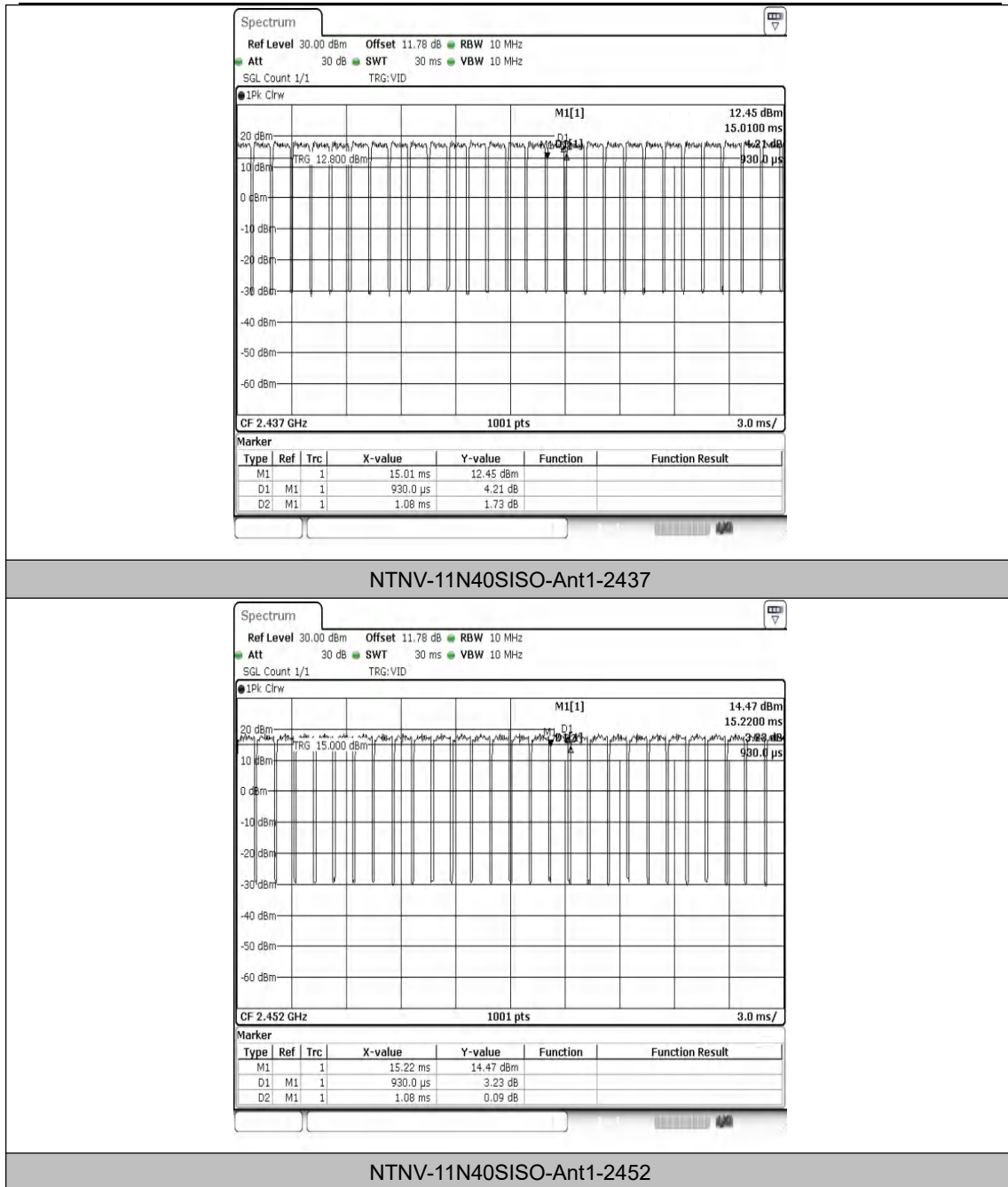


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