

Appendix Test Data

Report No:	1812C40114912503	Test Sample NO:	1-2-2
Start Test Date:	2024.10.31	Finish Test Date:	2024.10.31
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.1℃	Relative Humidity:	56%
Pressure:	101 kPa		

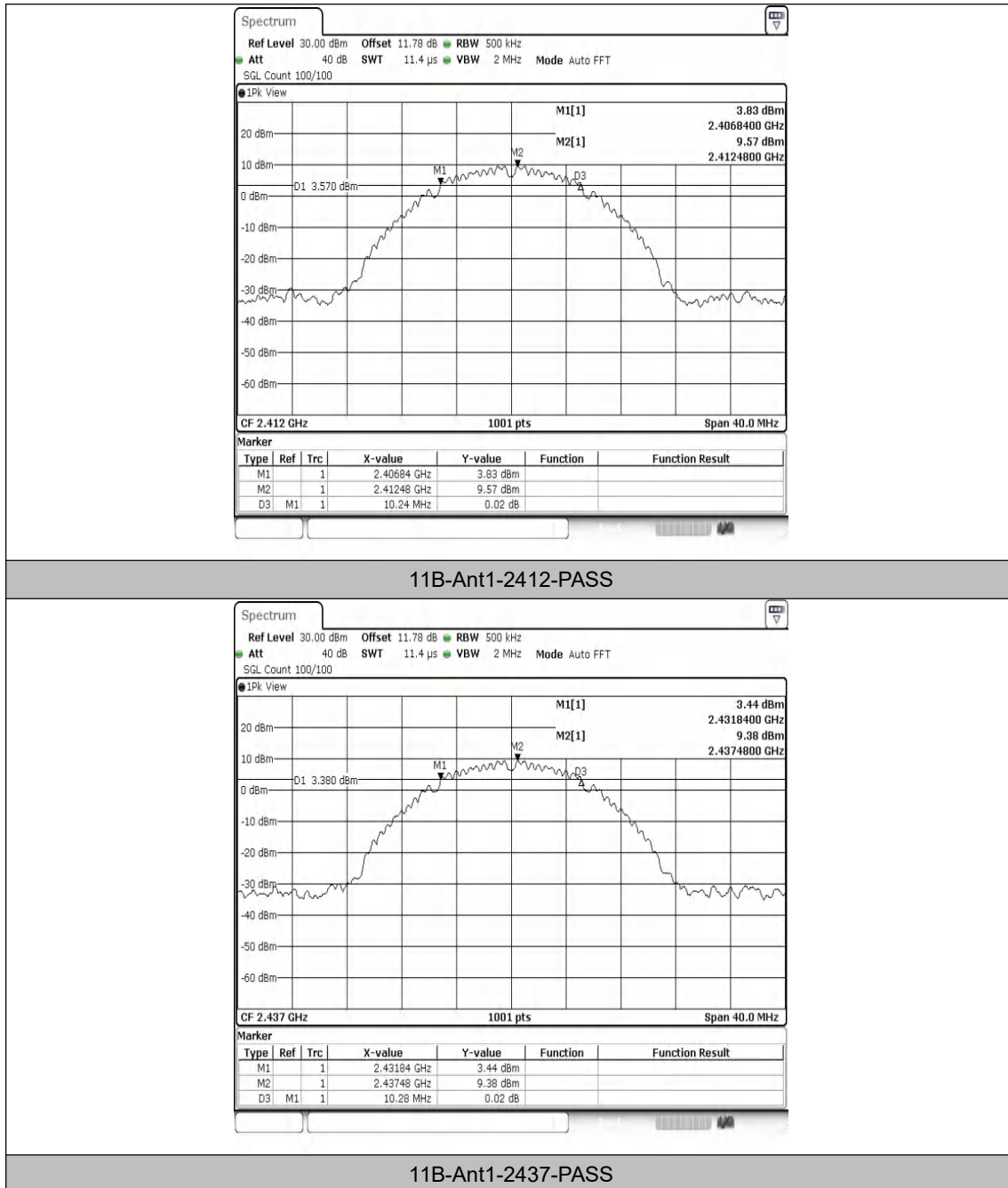
Appendix A: DTS Bandwidth

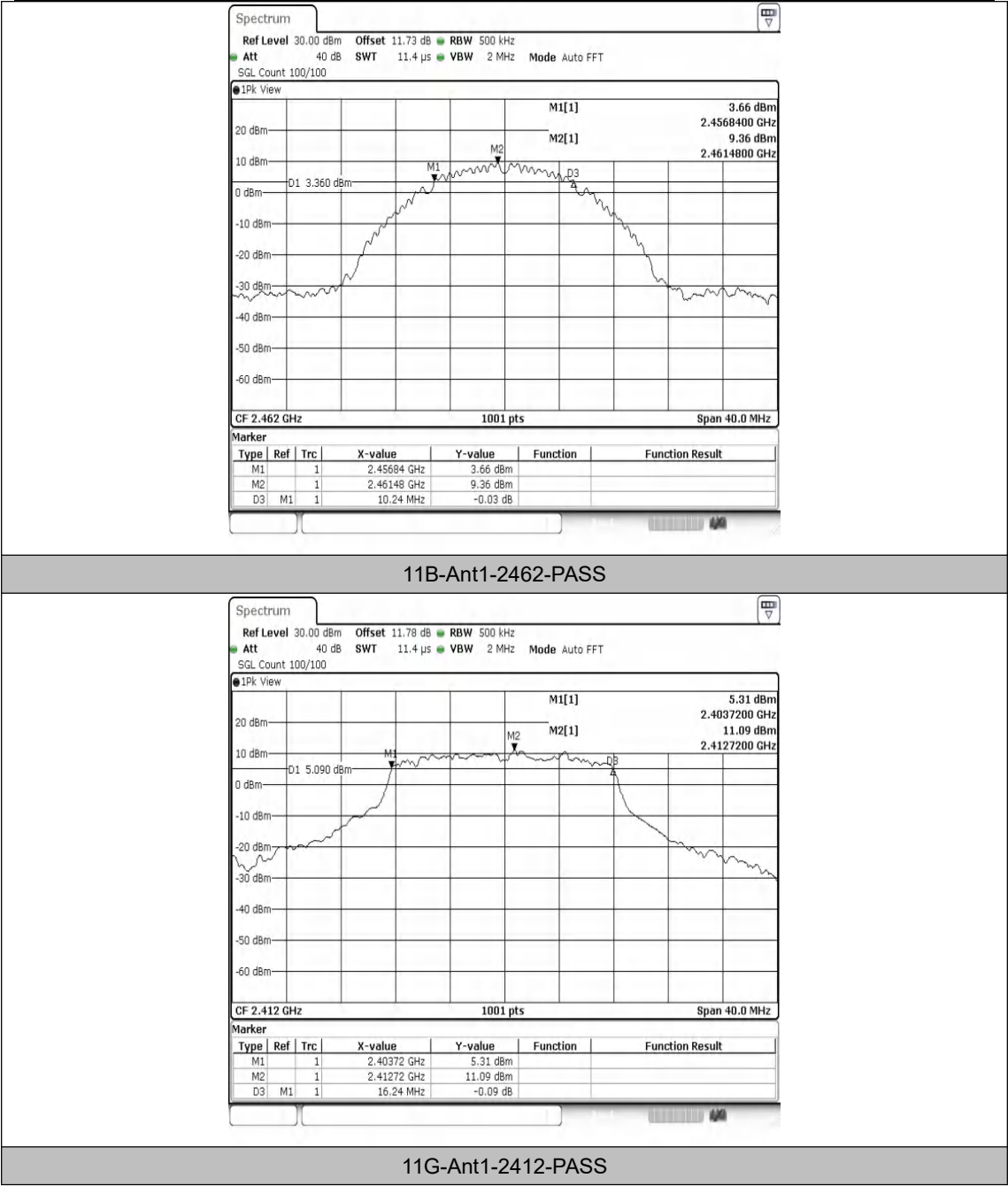
Test Result

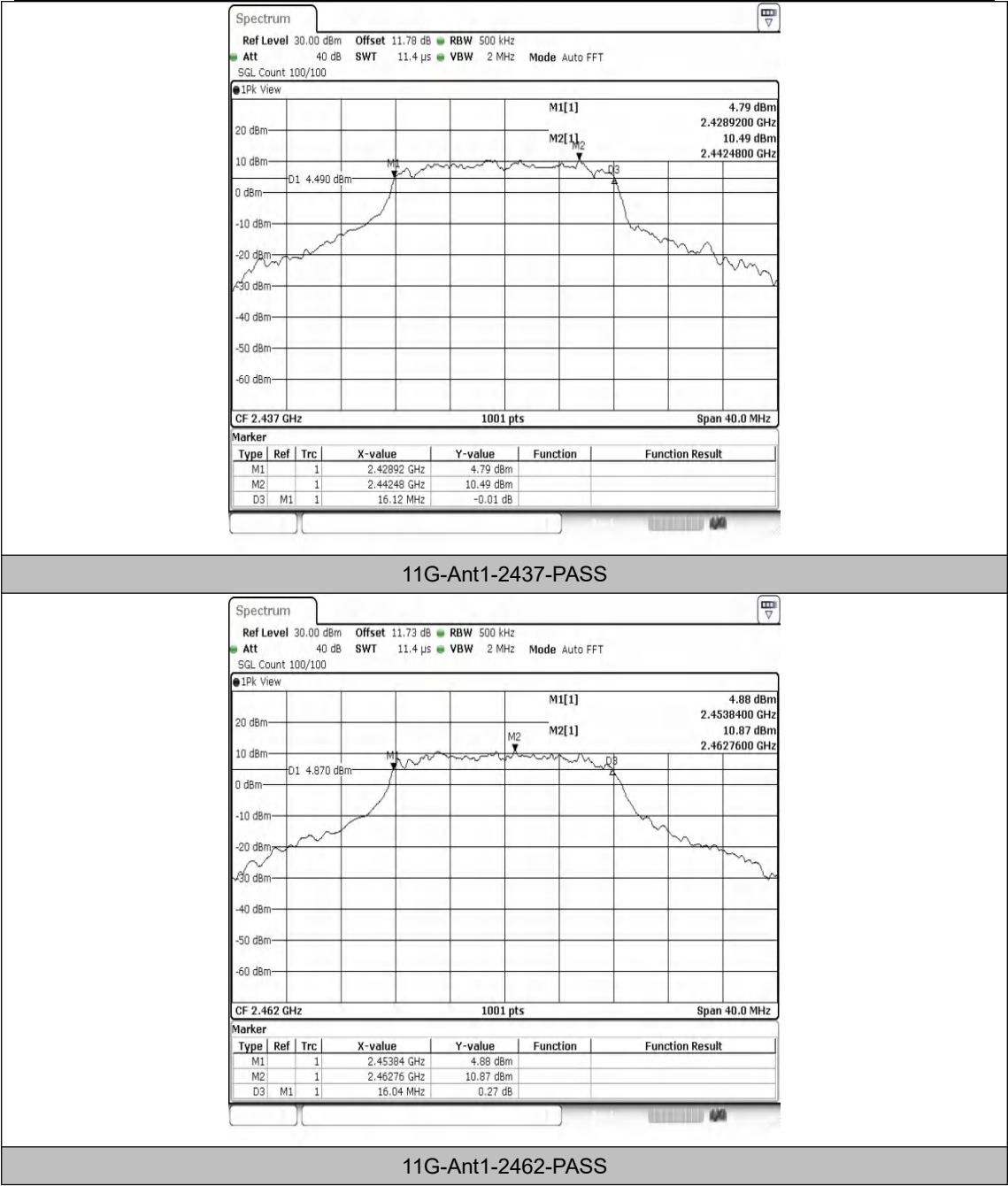
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.24	2406.84	2417.08	0.5	PASS
11B	Ant1	2437	10.28	2431.84	2442.12	0.5	PASS
11B	Ant1	2462	10.24	2456.84	2467.08	0.5	PASS
11G	Ant1	2412	16.24	2403.72	2419.96	0.5	PASS
11G	Ant1	2437	16.12	2428.92	2445.04	0.5	PASS
11G	Ant1	2462	16.04	2453.84	2469.88	0.5	PASS
11N20SISO	Ant1	2412	17.04	2403.44	2420.48	0.5	PASS
11N20SISO	Ant1	2437	17.36	2428.36	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.68	2453.12	2470.80	0.5	PASS
11N40SISO	Ant1	2422	35.84	2404.00	2439.84	0.5	PASS
11N40SISO	Ant1	2437	35.36	2419.64	2455.00	0.5	PASS
11N40SISO	Ant1	2452	34.64	2434.16	2468.80	0.5	PASS

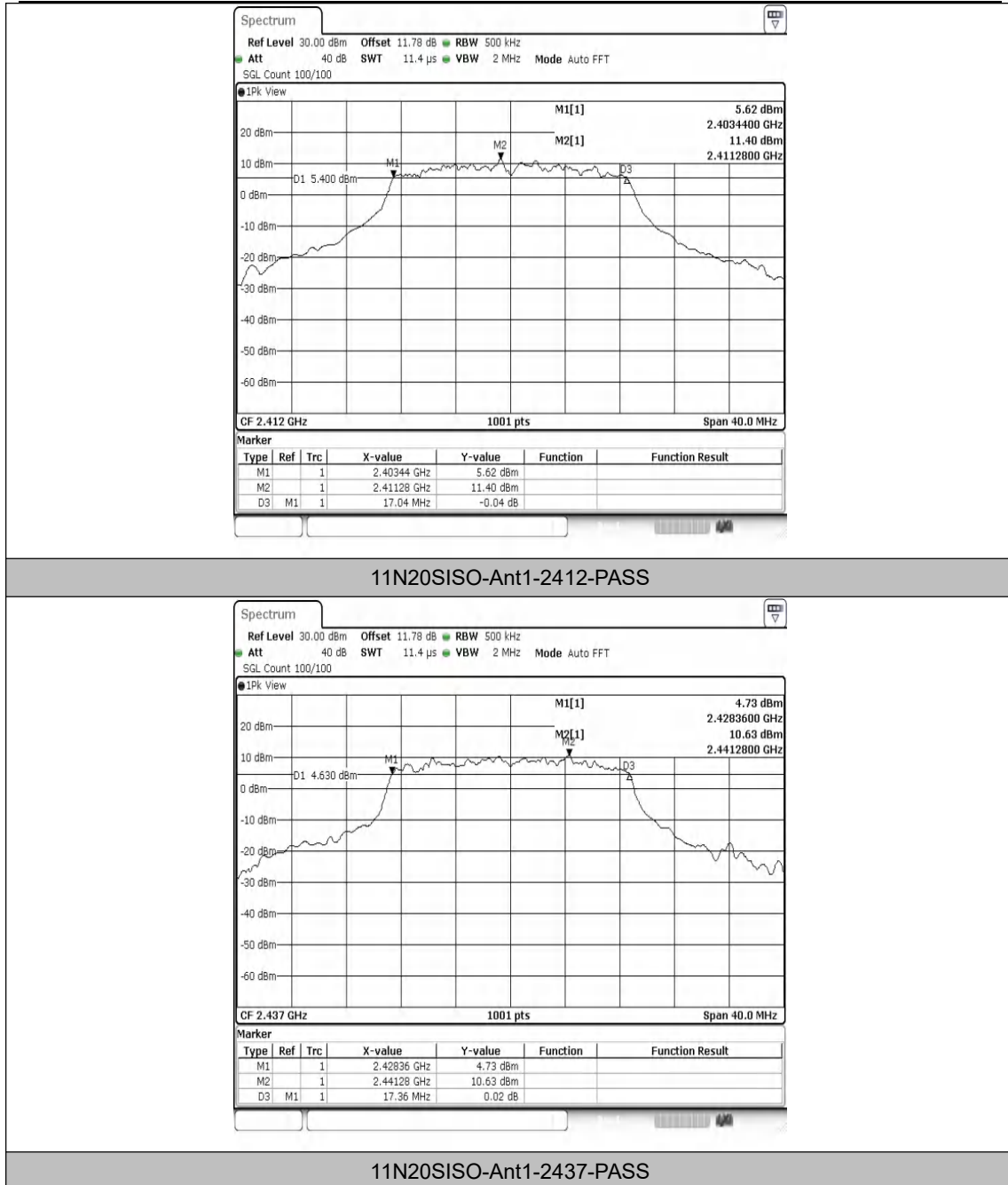


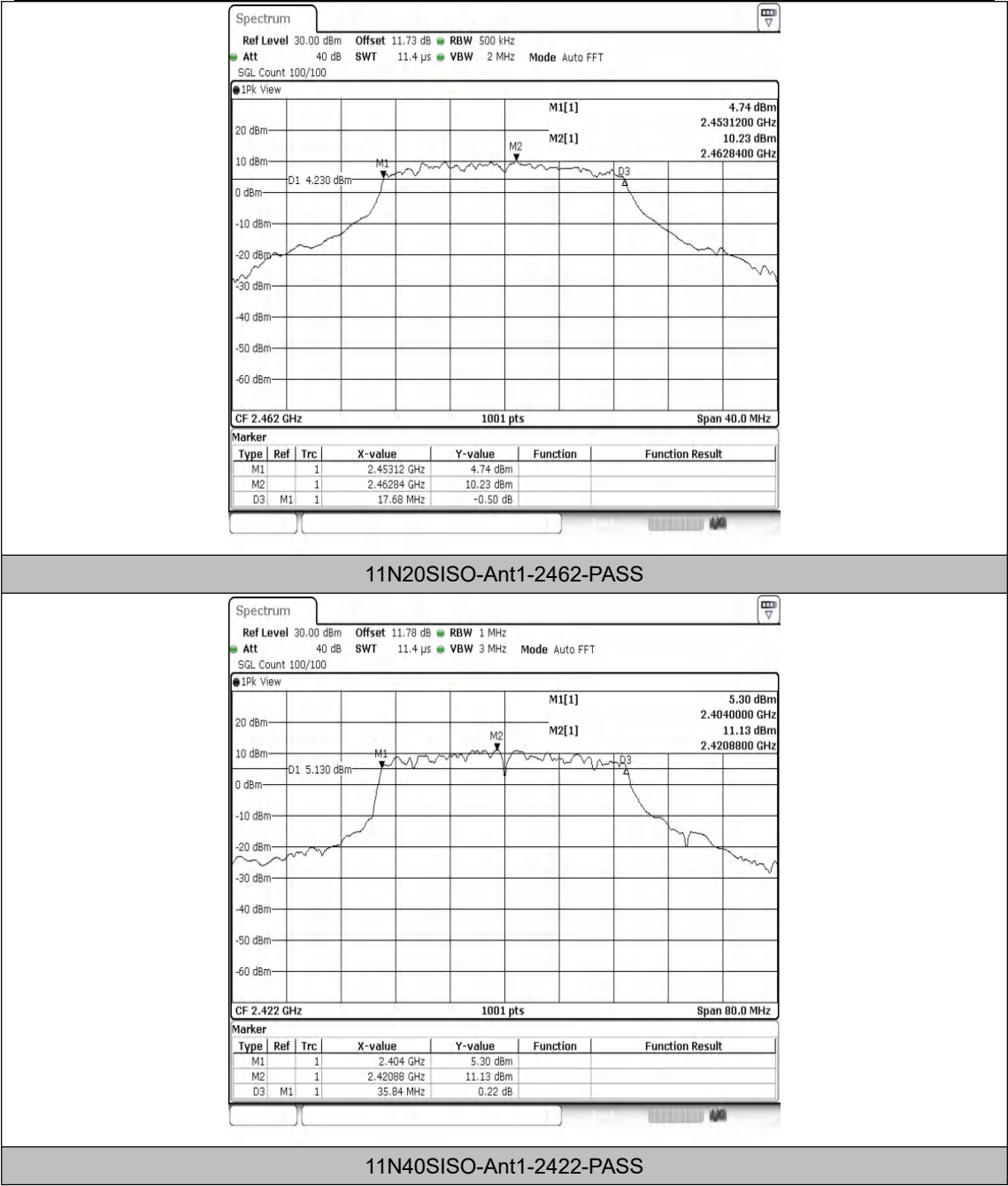
Test Graphs

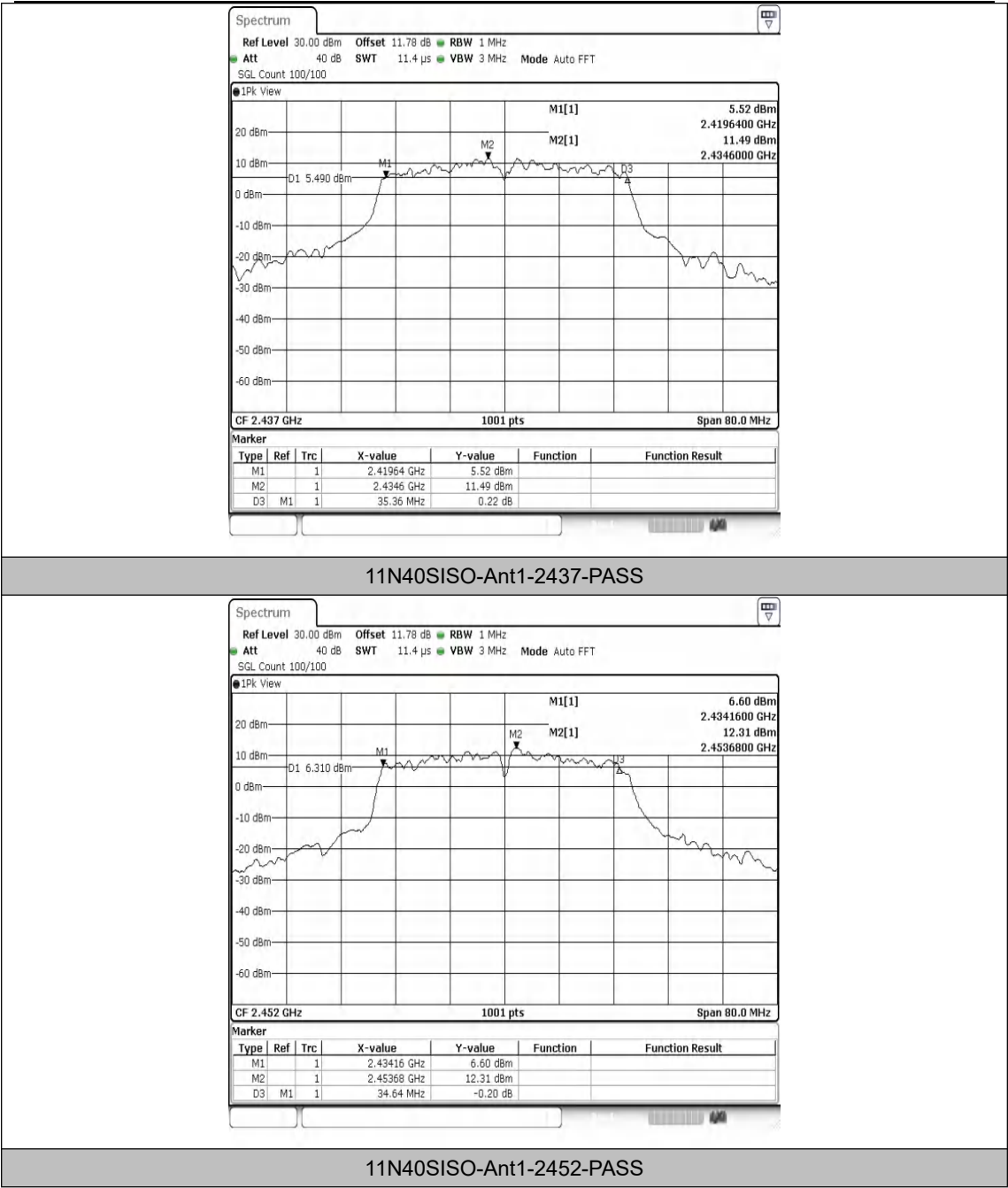












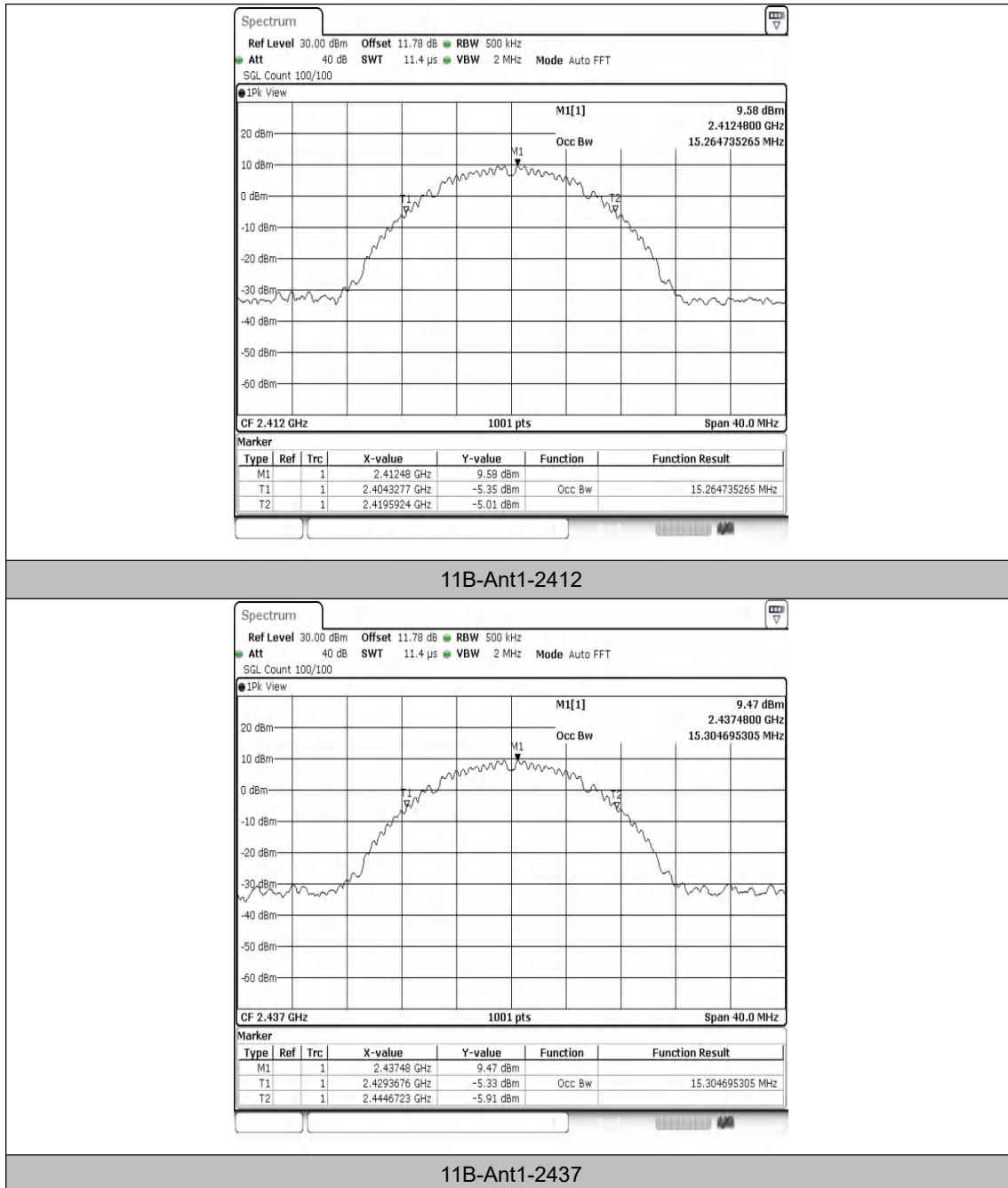
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.265	2404.3277	2419.5924	---	---
11B	Ant1	2437	15.305	2429.3676	2444.6723	---	---
11B	Ant1	2462	15.305	2454.2877	2469.5924	---	---
11G	Ant1	2412	16.983	2403.3287	2420.3117	---	---
11G	Ant1	2437	16.823	2428.5285	2445.3516	---	---
11G	Ant1	2462	17.143	2453.4486	2470.5914	---	---
11N20SISO	Ant1	2412	18.302	2402.8492	2421.1508	---	---
11N20SISO	Ant1	2437	18.142	2427.9690	2446.1109	---	---
11N20SISO	Ant1	2462	18.342	2452.9291	2471.2707	---	---
11N40SISO	Ant1	2422	37.403	2402.7393	2440.1419	---	---
11N40SISO	Ant1	2437	37.243	2418.1389	2455.3816	---	---
11N40SISO	Ant1	2452	37.003	2433.6184	2470.6214	---	---



Test Graphs

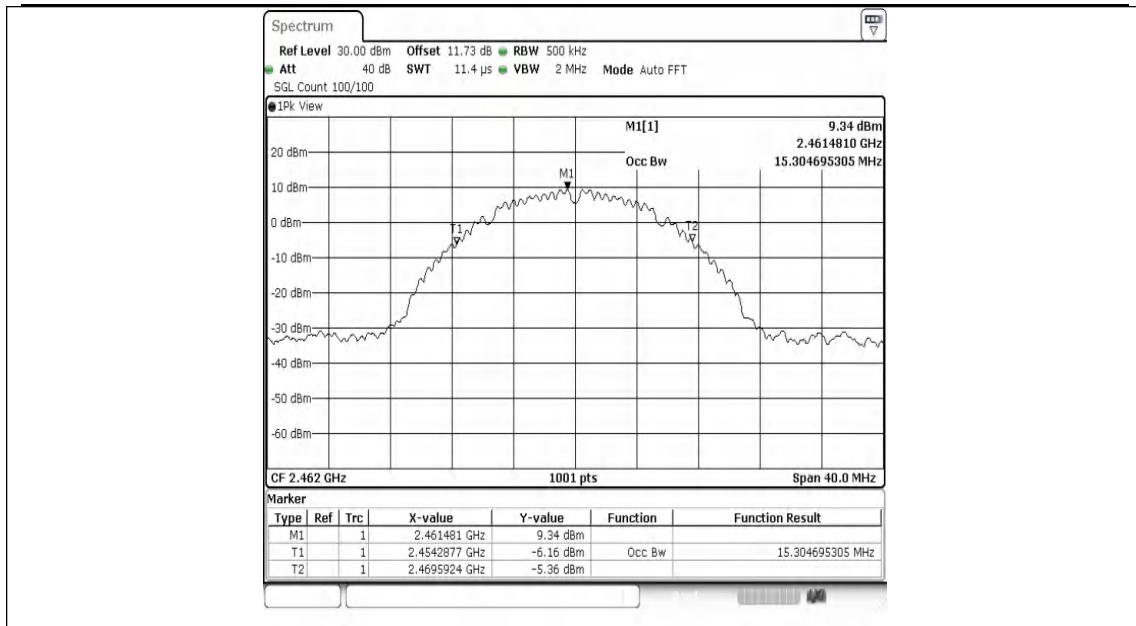


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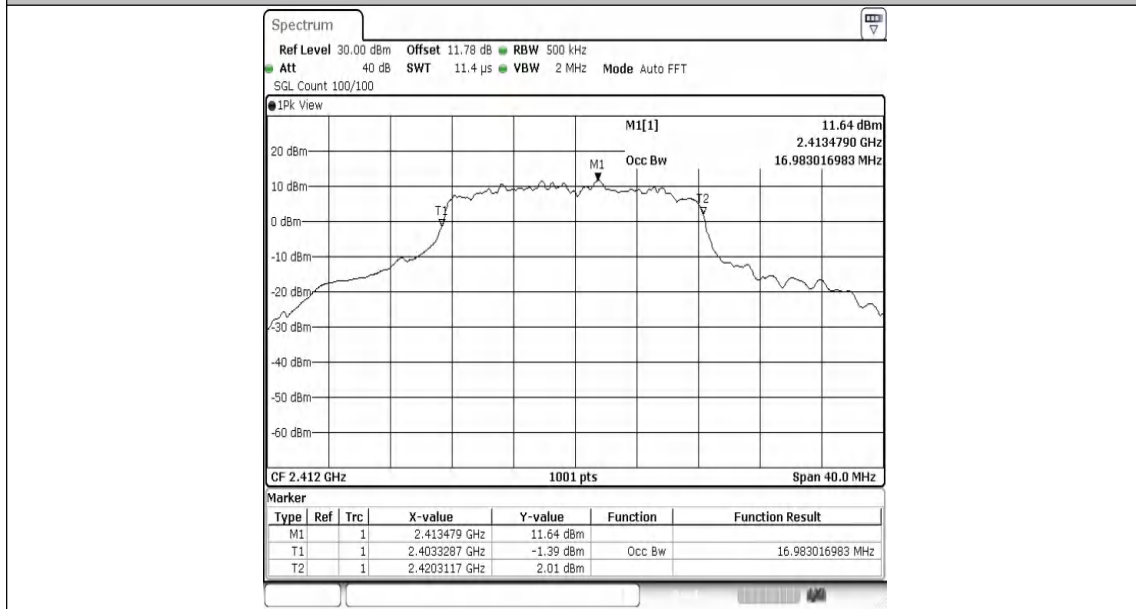
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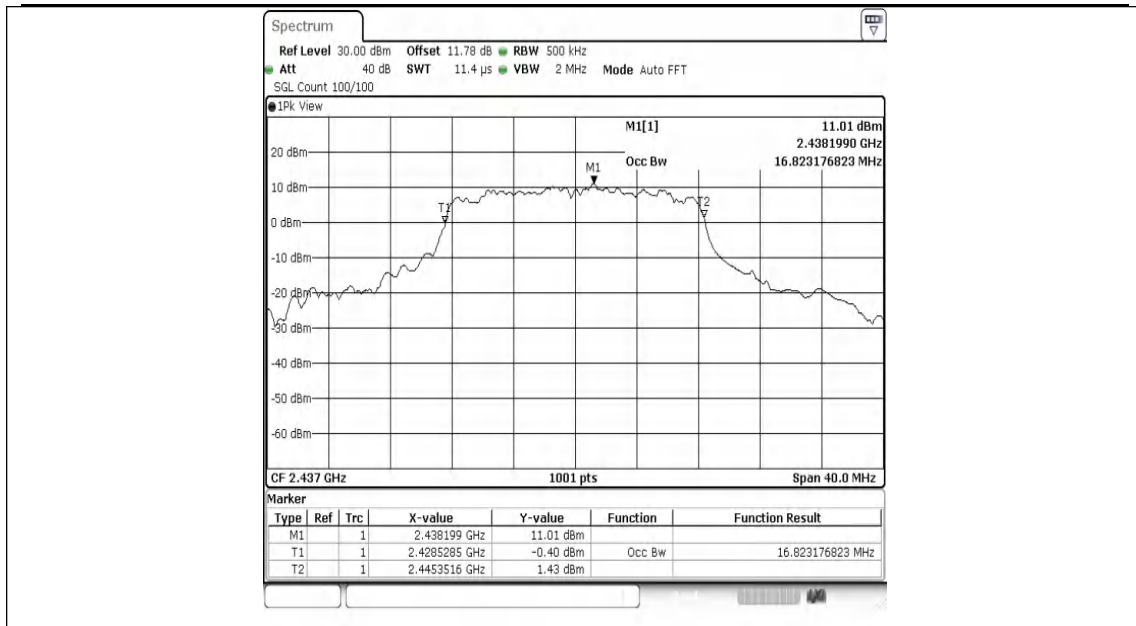


11B-Ant1-2462

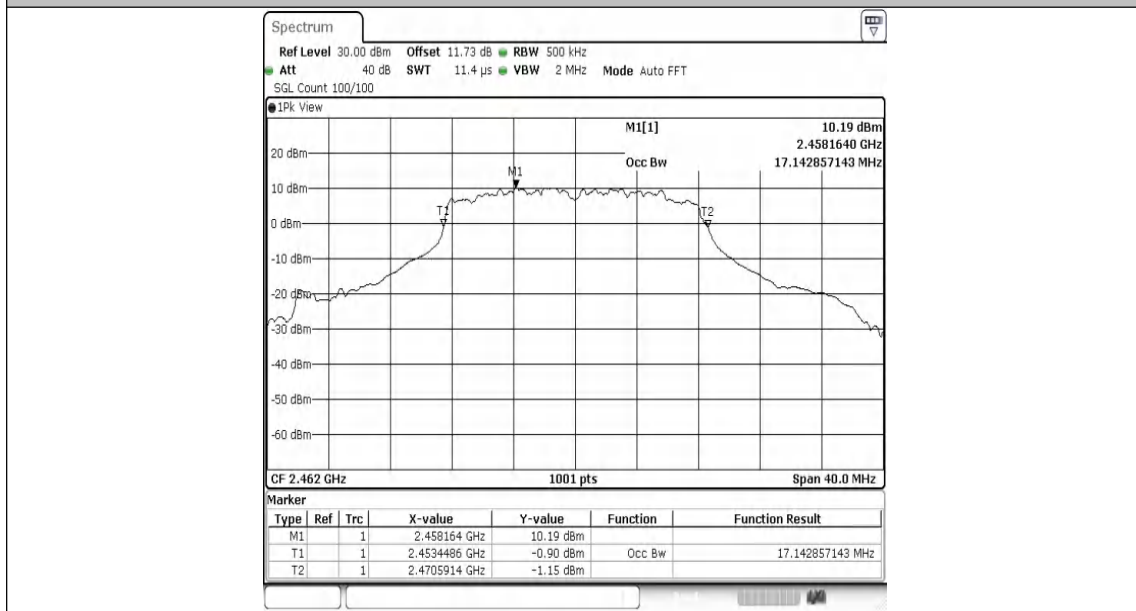


11G-Ant1-2412



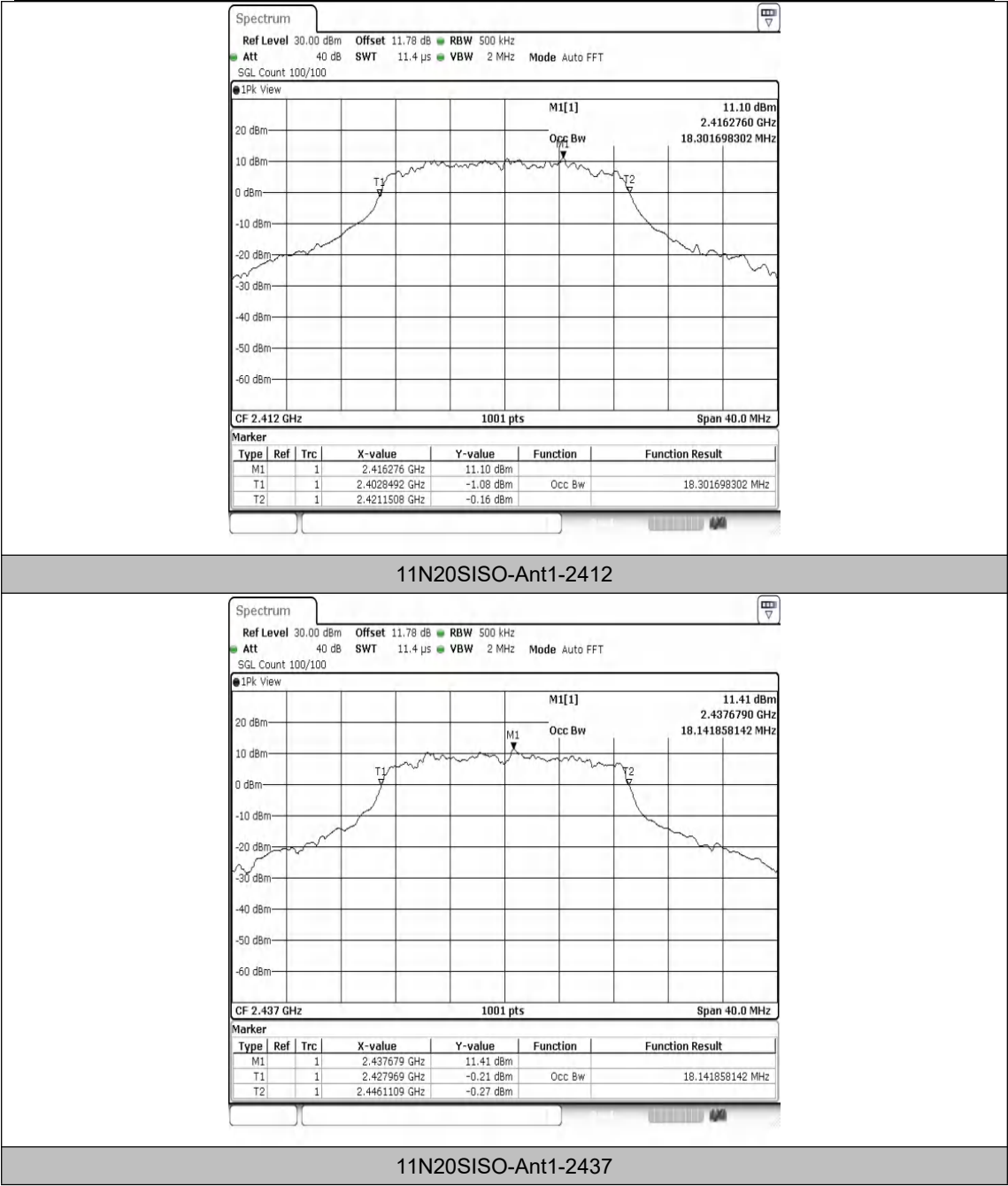


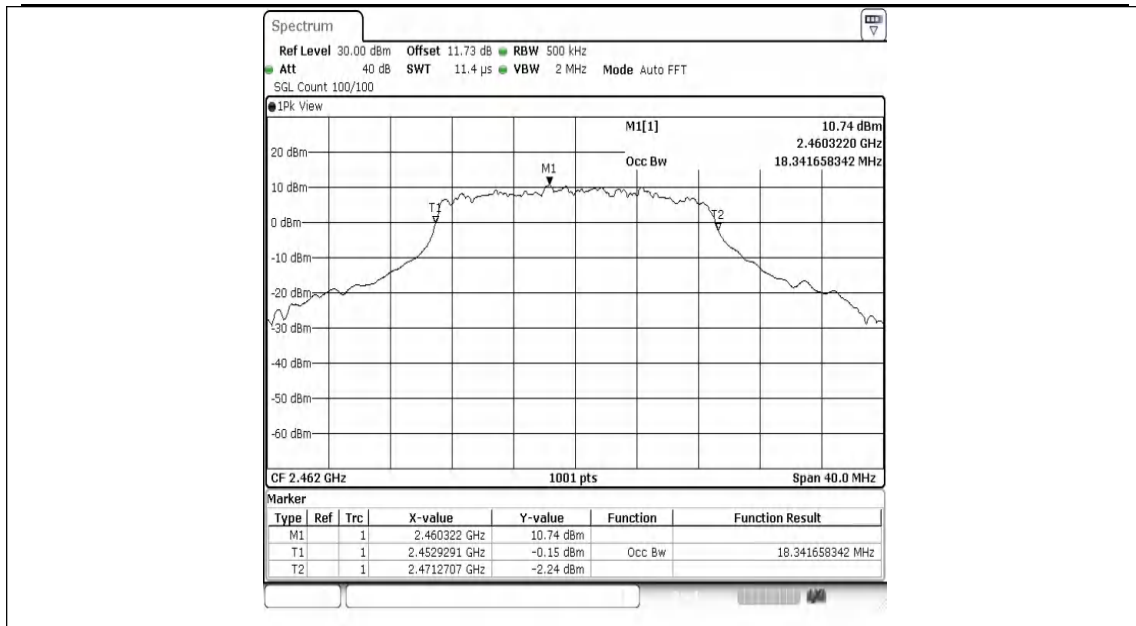
11G-Ant1-2437



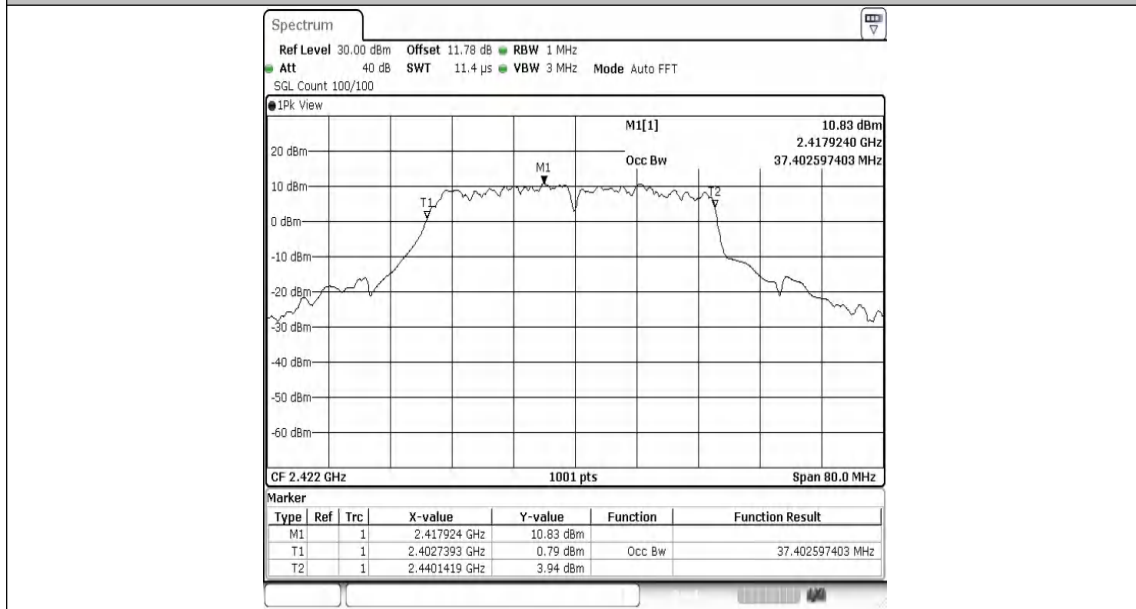
11G-Ant1-2462





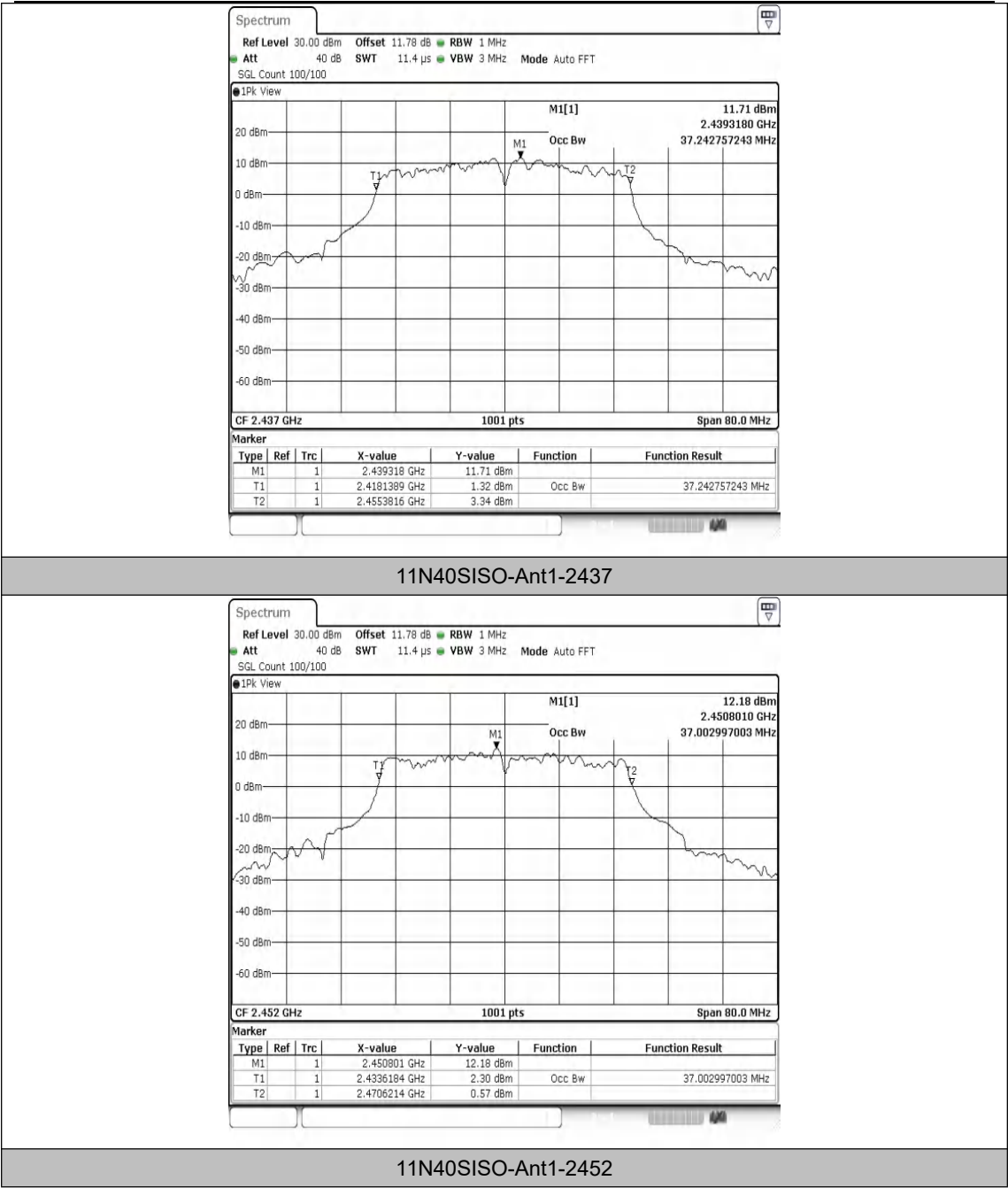


11N20SISO-Ant1-2462



11N40SISO-Ant1-2422





Appendix C: Maximum conducted output power

Test Result Average

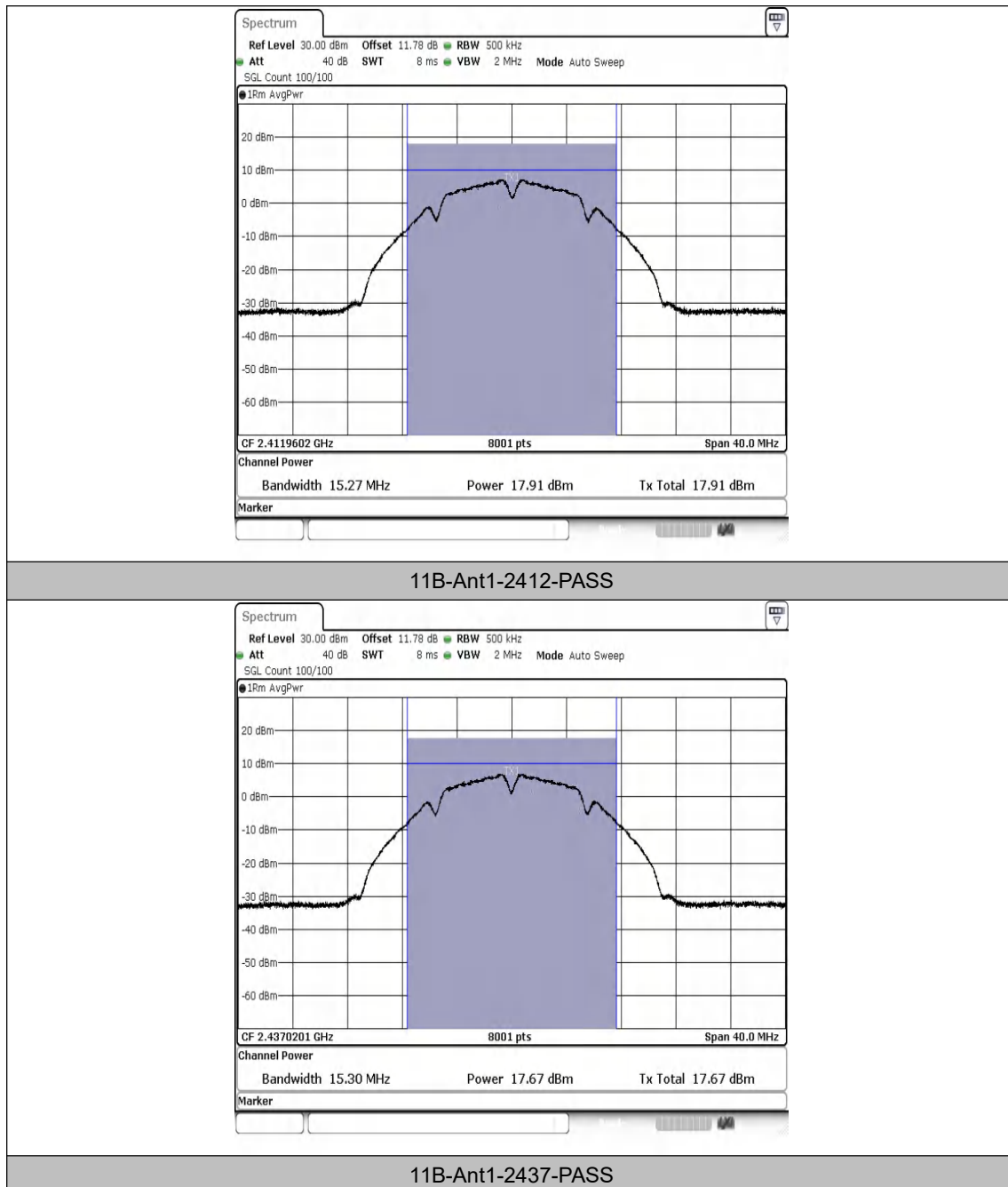
Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	17.91	99.03	0.04	17.95	≤30.00	PASS
11B	Ant1	2437	NA	17.67	100.00	0.00	17.67	≤30.00	PASS
11B	Ant1	2462	NA	17.69	99.03	0.04	17.73	≤30.00	PASS
11G	Ant1	2412	NA	17.98	94.86	0.23	18.21	≤30.00	PASS
11G	Ant1	2437	NA	17.65	92.73	0.33	17.98	≤30.00	PASS
11G	Ant1	2462	NA	17.72	93.58	0.29	18.01	≤30.00	PASS
11N20SISO	Ant1	2412	NA	17.85	94.03	0.27	18.12	≤30.00	PASS
11N20SISO	Ant1	2437	NA	17.50	92.20	0.35	17.85	≤30.00	PASS
11N20SISO	Ant1	2462	NA	17.54	94.53	0.24	17.78	≤30.00	PASS
11N40SISO	Ant1	2422	NA	17.32	86.92	0.61	17.93	≤30.00	PASS
11N40SISO	Ant1	2437	NA	17.28	88.57	0.53	17.81	≤30.00	PASS
11N40SISO	Ant1	2452	NA	17.36	87.04	0.60	17.96	≤30.00	PASS

Note:

1. The cable loss are compensated in the graph



Test Graphs Average



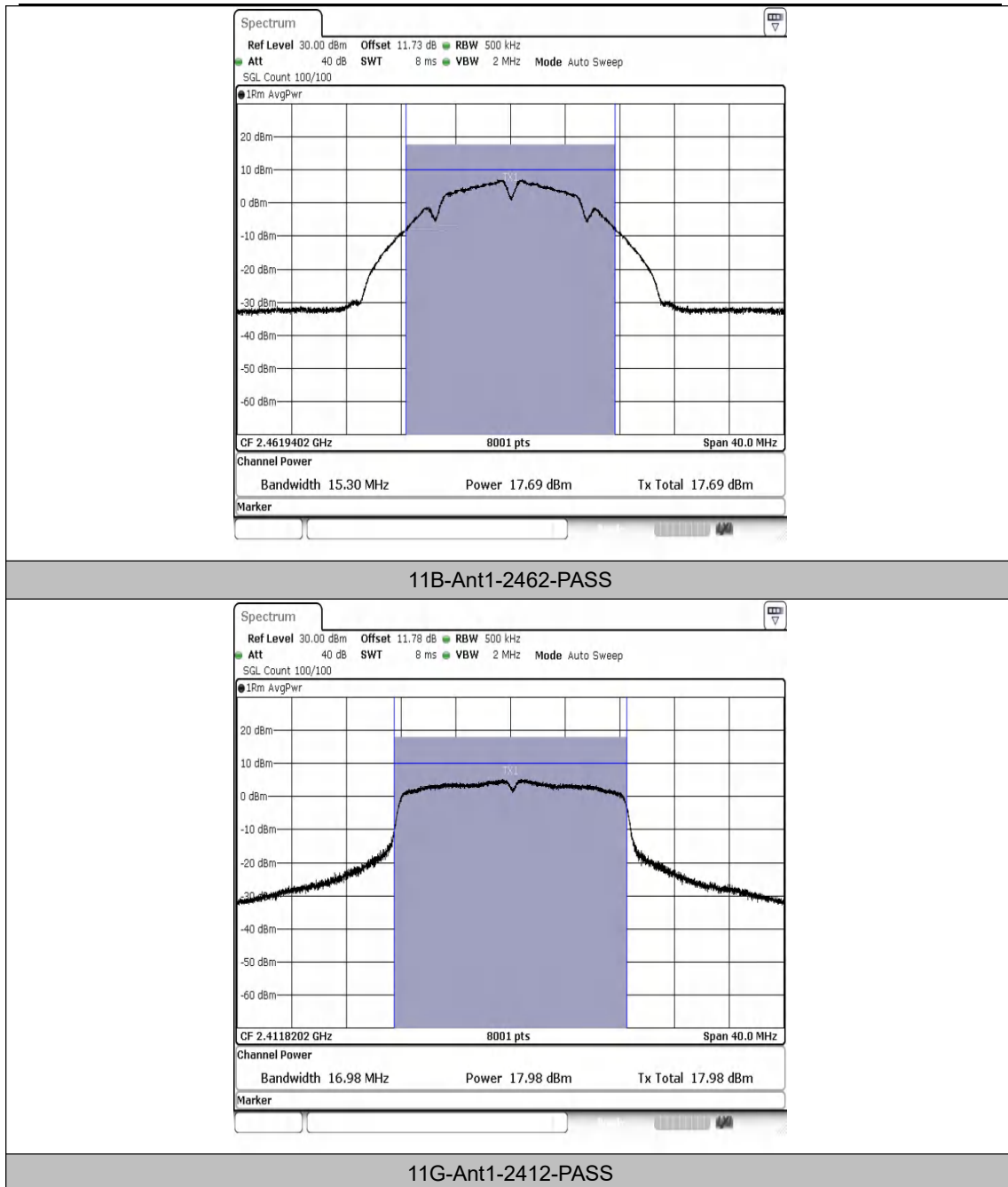
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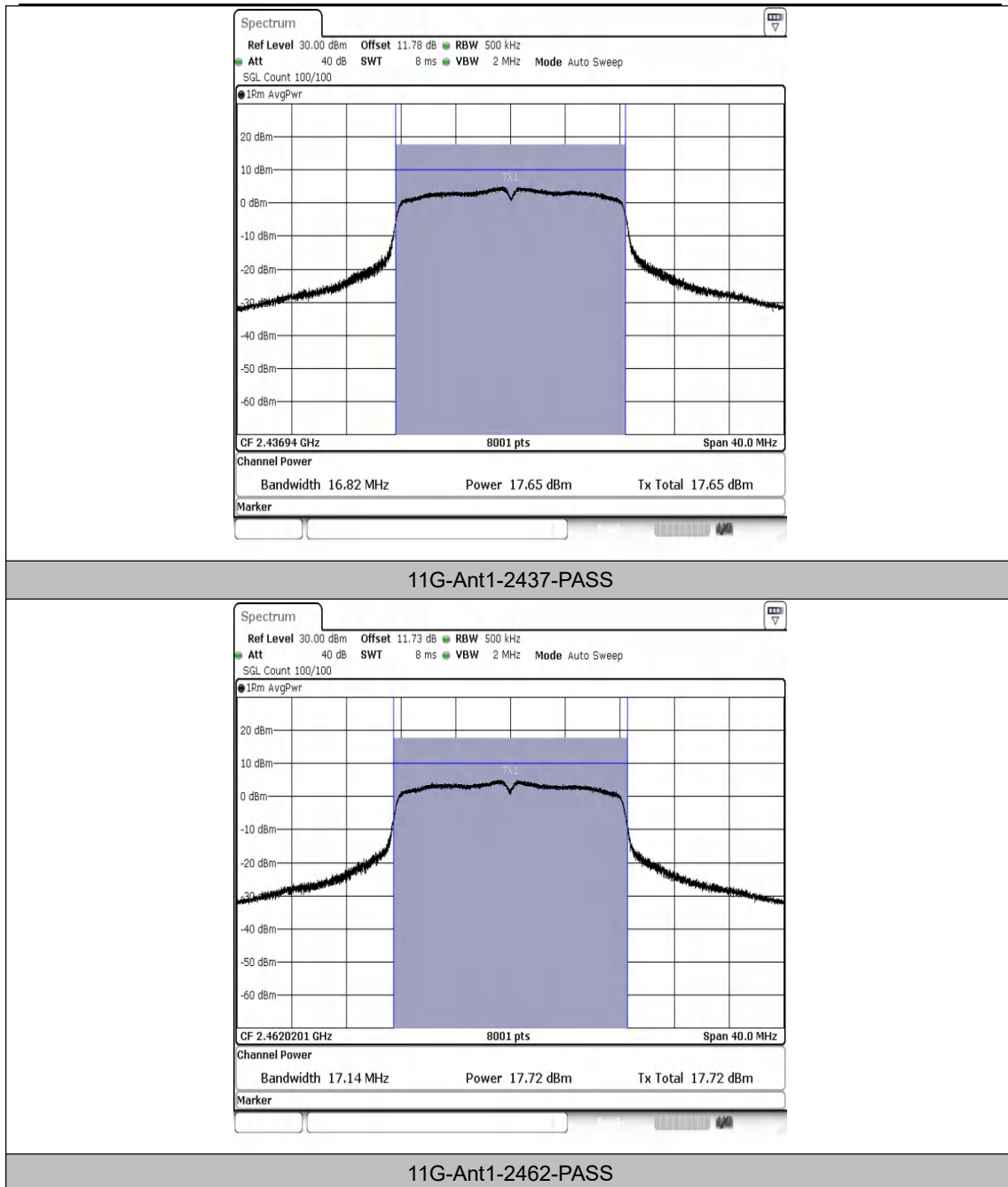


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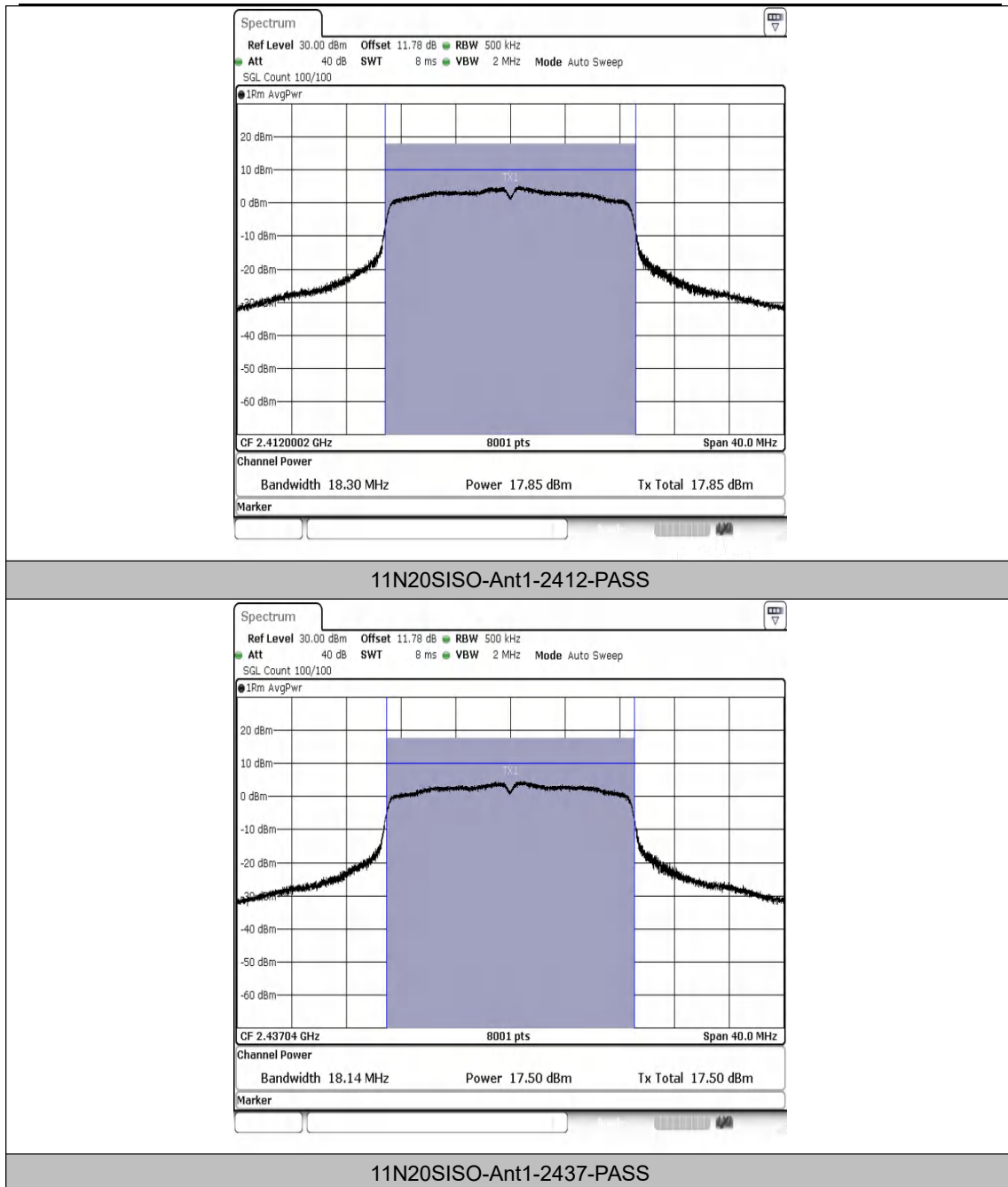


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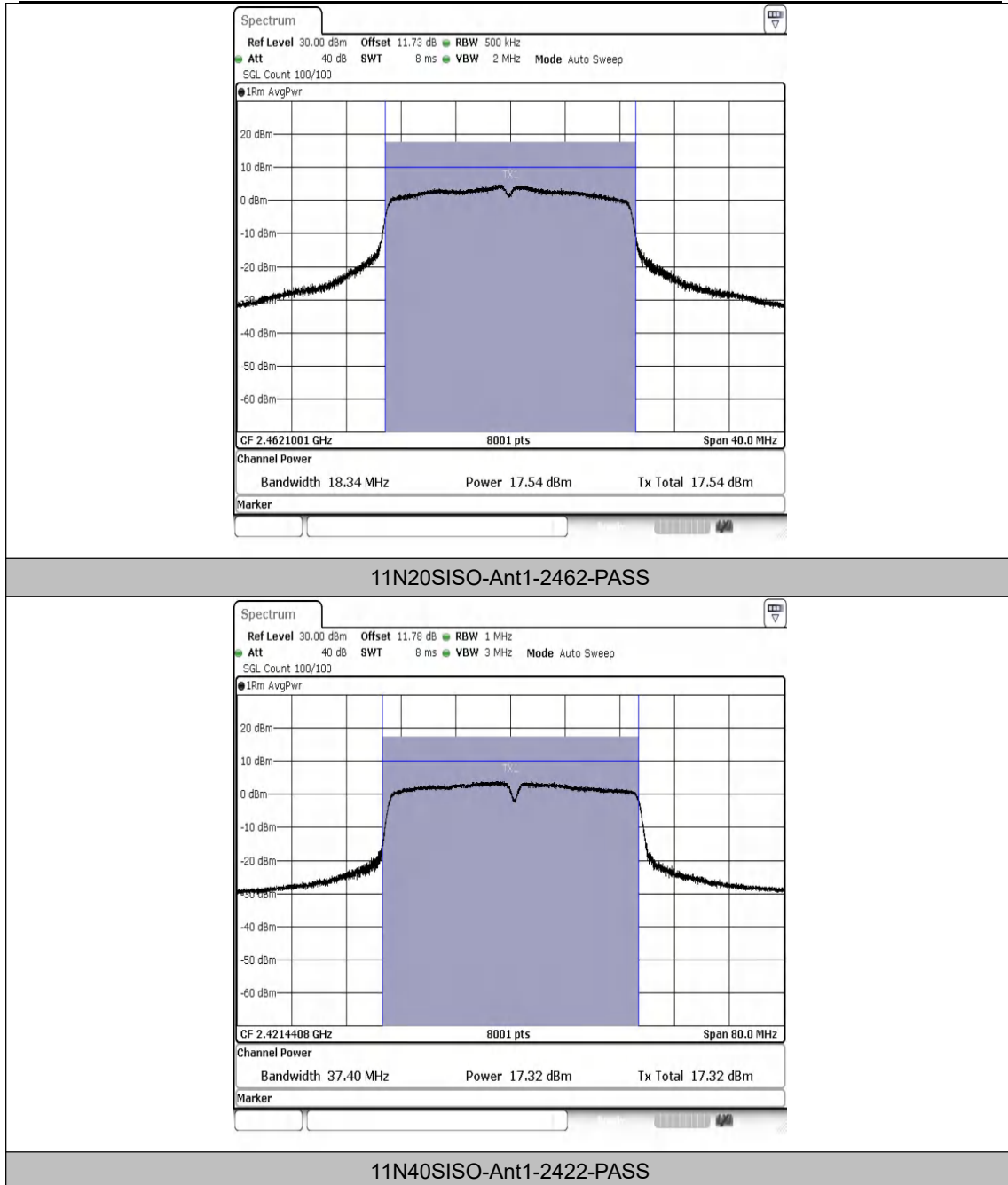


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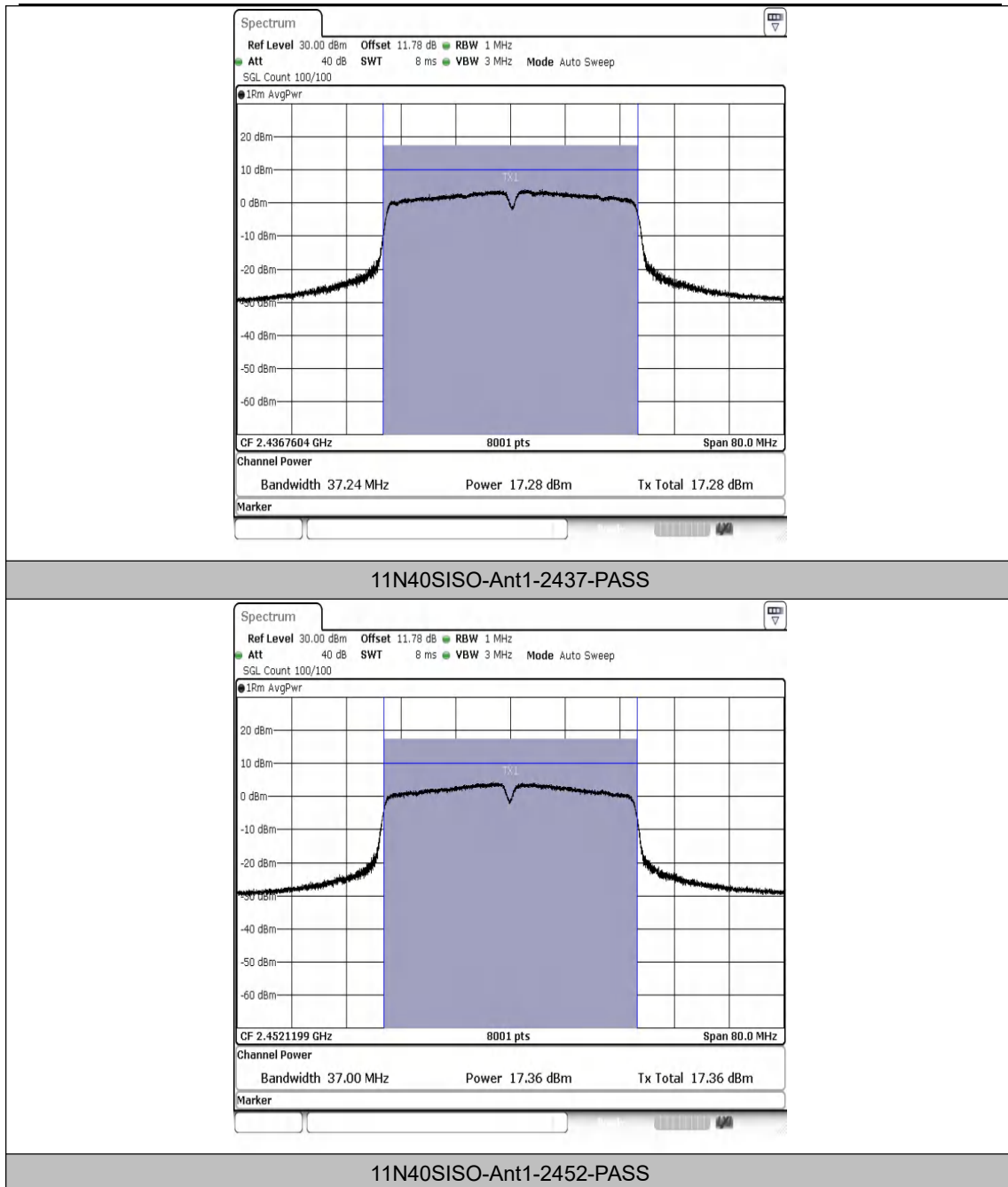


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Appendix D: Maximum power spectral density

Test Result

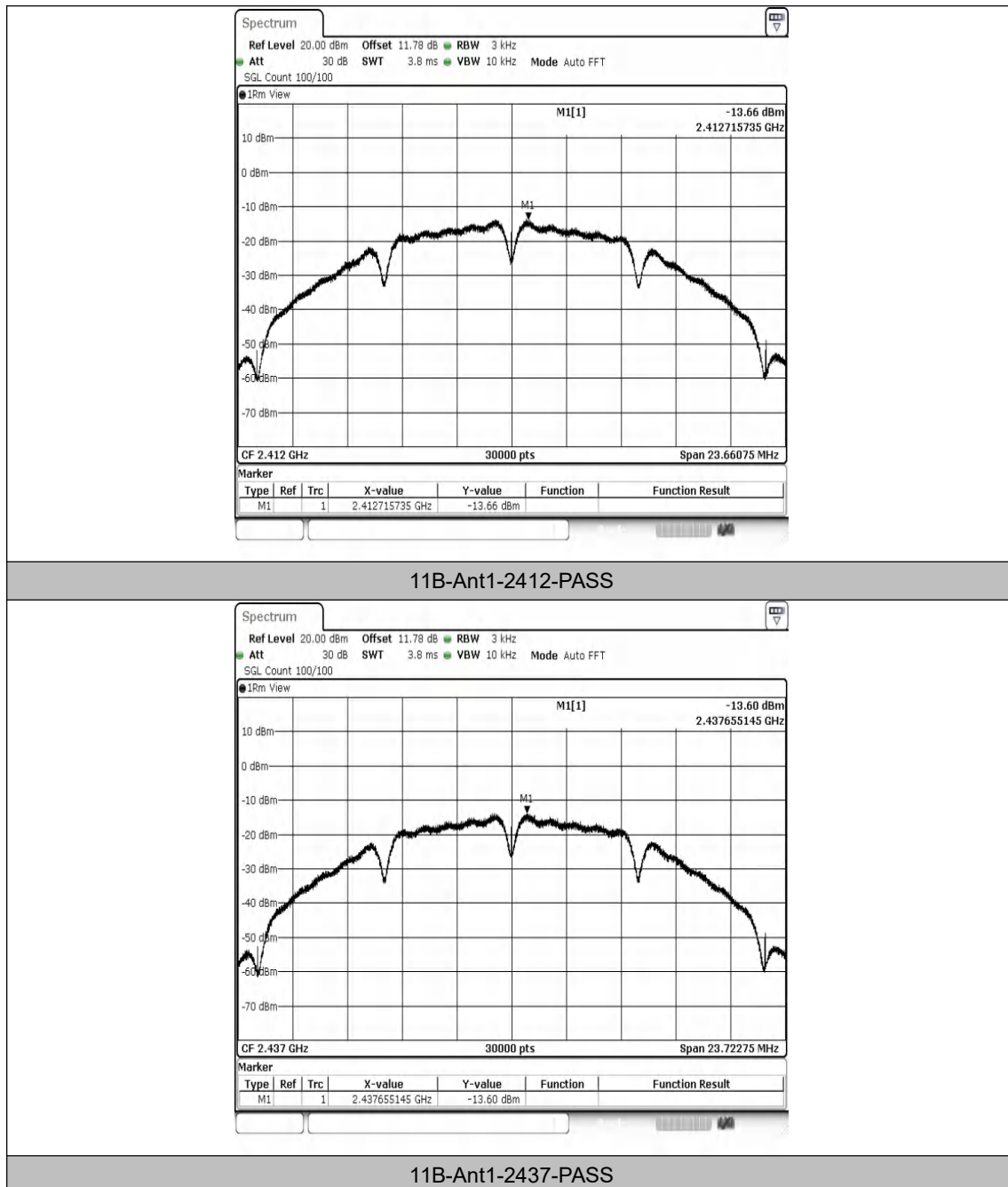
TestMode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-13.66	0.04	-13.62	≤8.00	PASS
11B	Ant1	2437	-13.6	0.00	-13.60	≤8.00	PASS
11B	Ant1	2462	-13.29	0.04	-13.25	≤8.00	PASS
11G	Ant1	2412	-14.96	0.23	-14.73	≤8.00	PASS
11G	Ant1	2437	-15.1	0.33	-14.77	≤8.00	PASS
11G	Ant1	2462	-15.33	0.29	-15.04	≤8.00	PASS
11N20SISO	Ant1	2412	-15.45	0.27	-15.18	≤8.00	PASS
11N20SISO	Ant1	2437	-15.57	0.35	-15.22	≤8.00	PASS
11N20SISO	Ant1	2462	-15.87	0.24	-15.63	≤8.00	PASS
11N40SISO	Ant1	2422	-17.72	0.61	-17.11	≤8.00	PASS
11N40SISO	Ant1	2437	-17.58	0.53	-17.05	≤8.00	PASS
11N40SISO	Ant1	2452	-17.66	0.60	-17.06	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.



Test Graphs

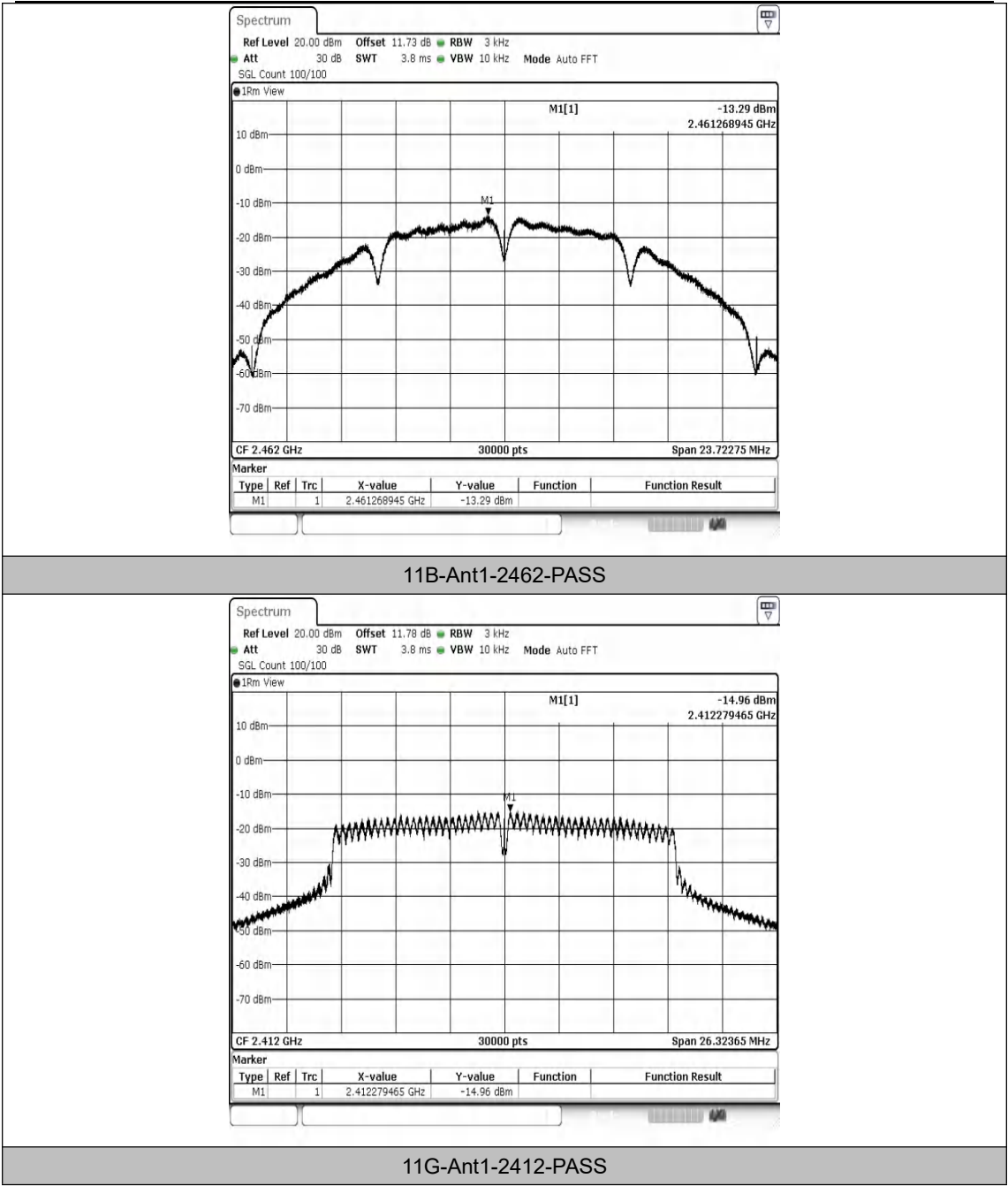


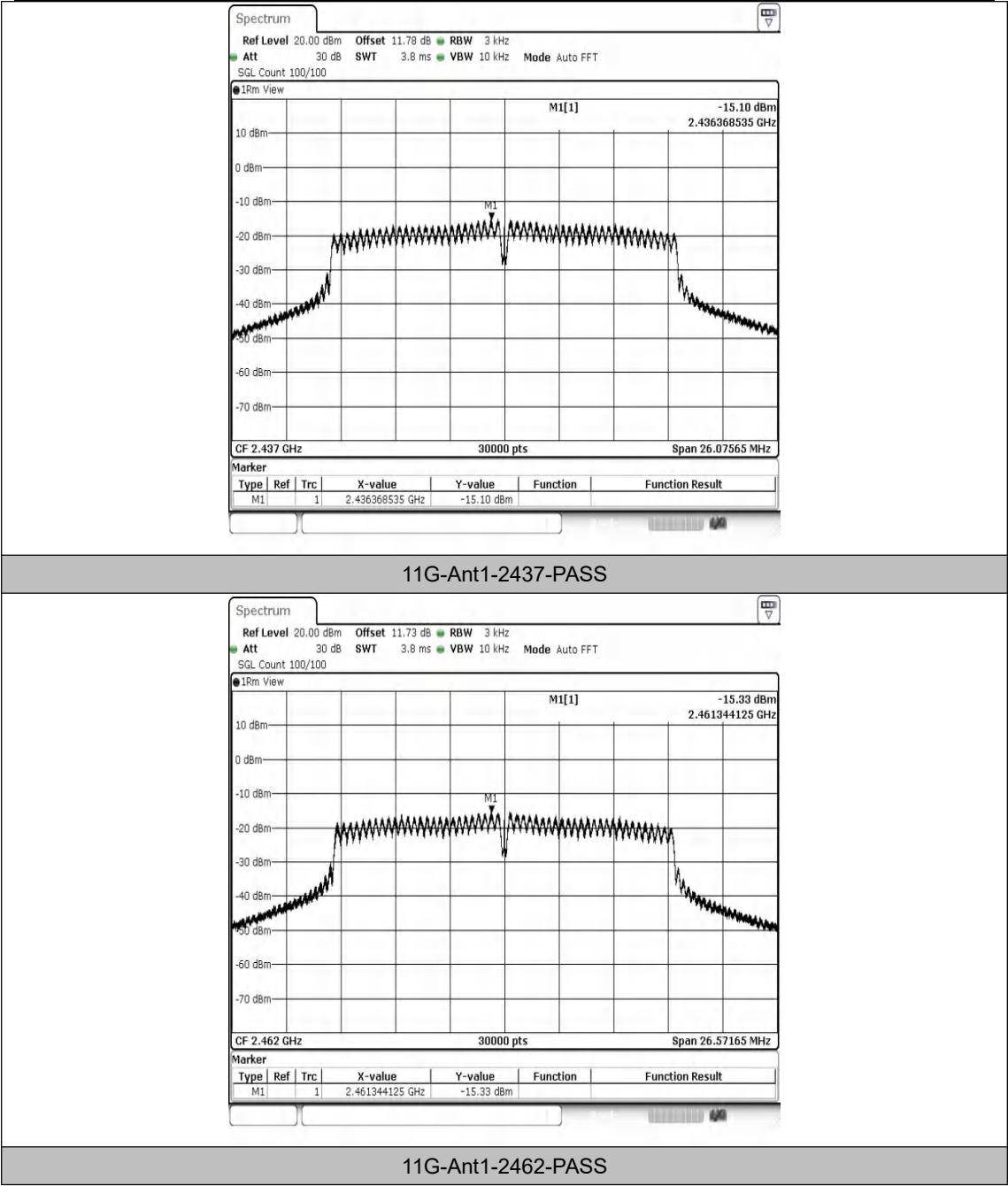
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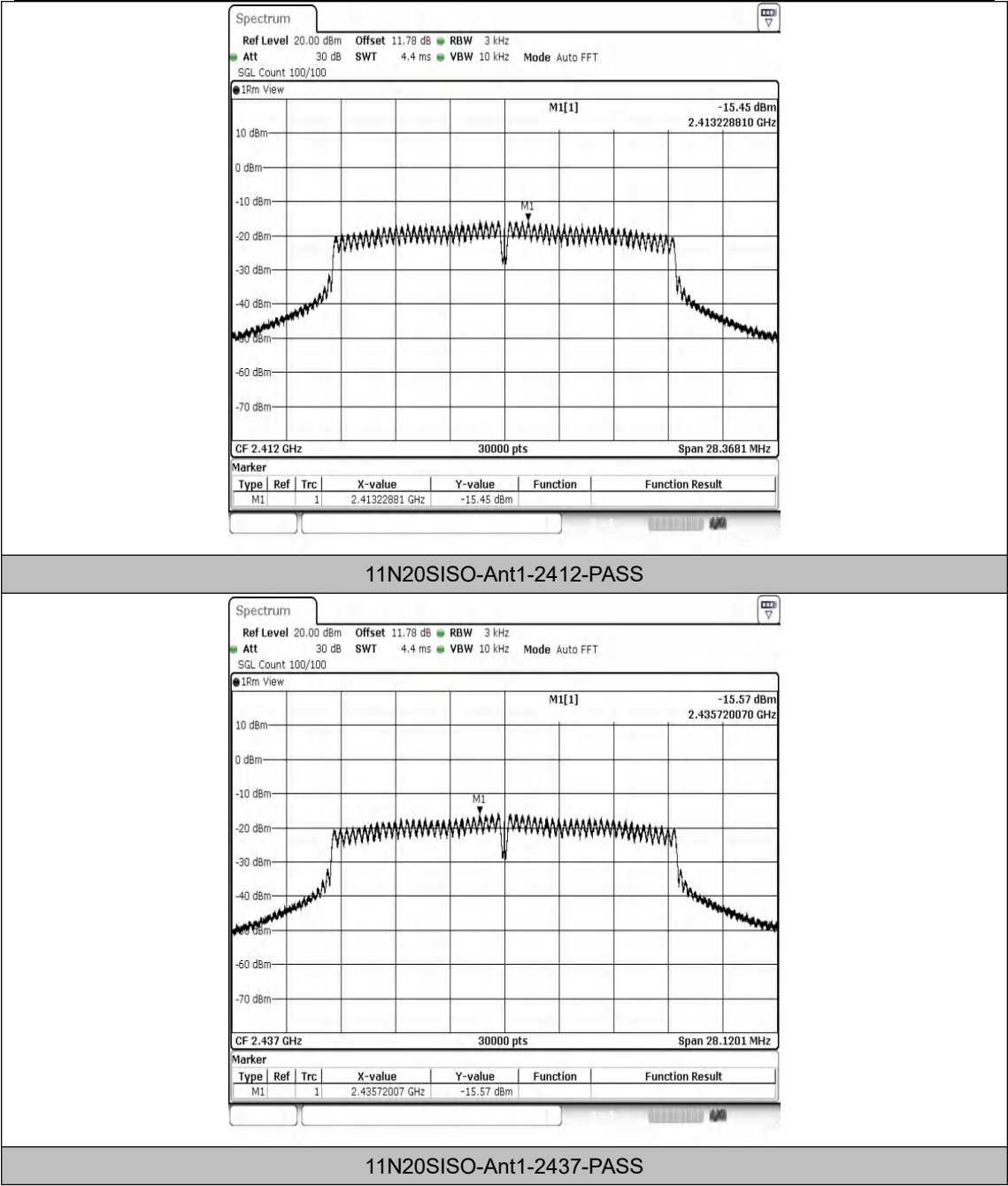
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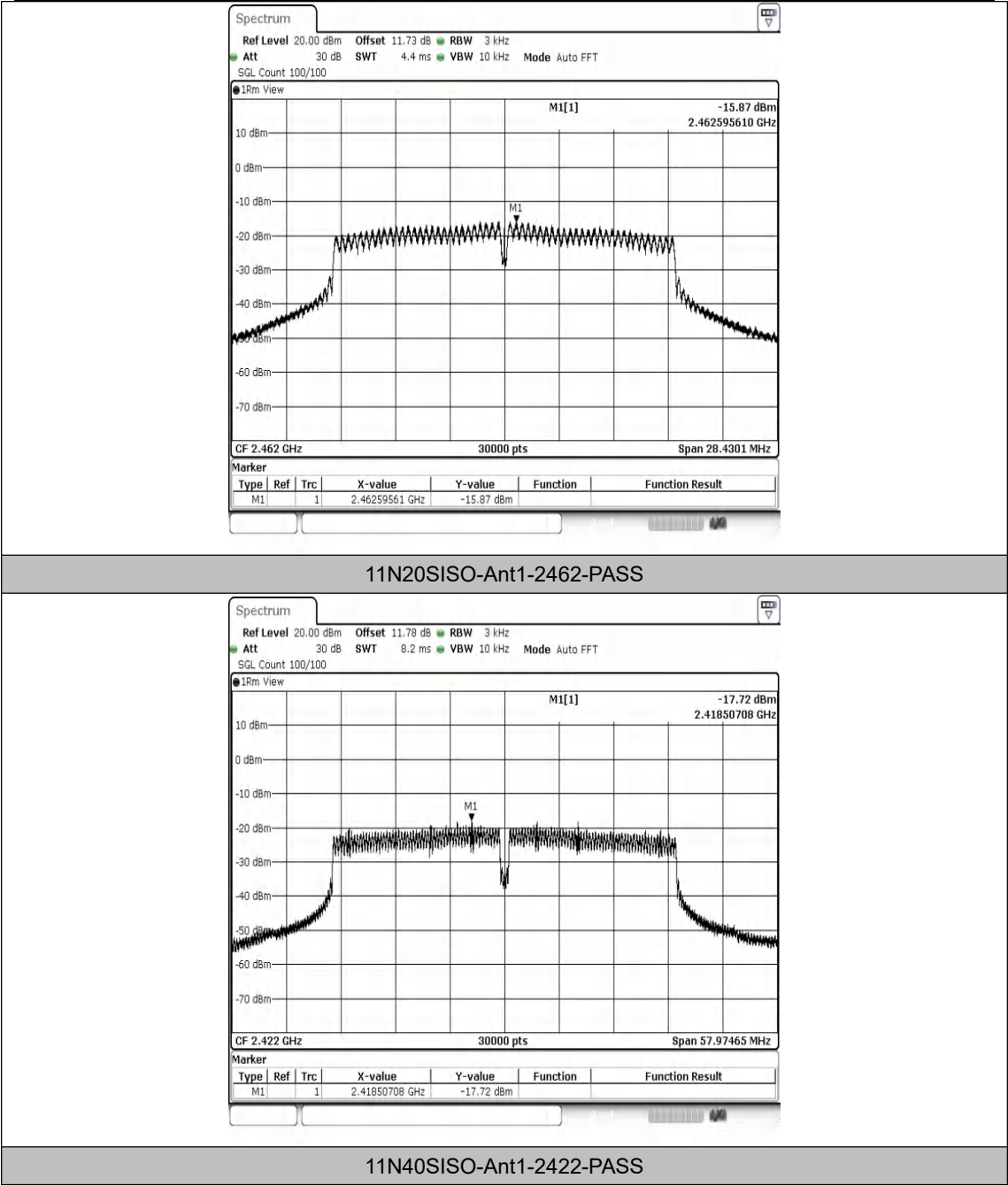
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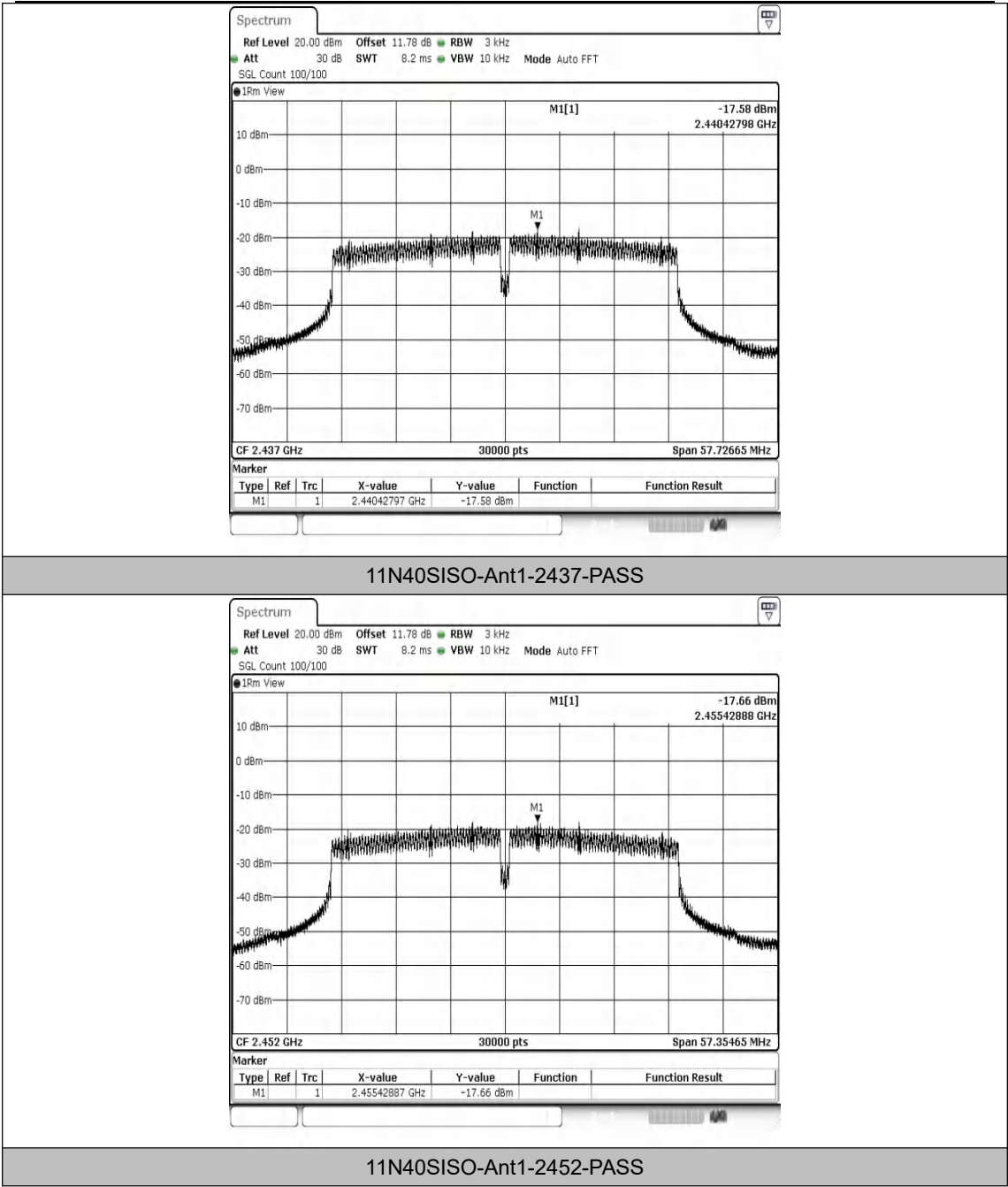












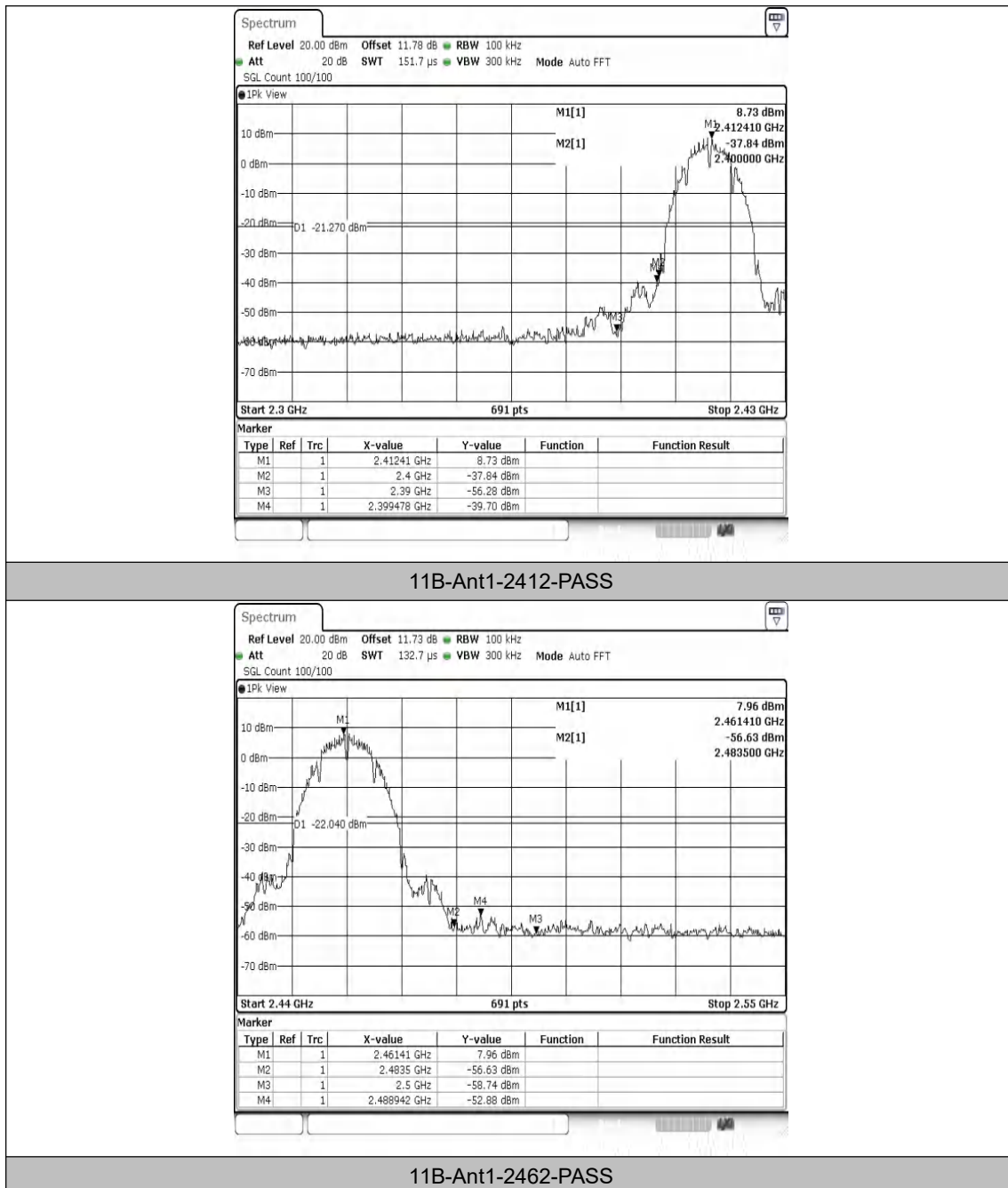
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.73	-39.7	≤-21.27	PASS
11B	Ant1	High	2462	7.96	-52.88	≤-22.04	PASS
11G	Ant1	Low	2412	-1.40	-32.36	≤-31.4	PASS
11G	Ant1	High	2462	5.87	-38.89	≤-24.13	PASS
11N20SISO	Ant1	Low	2412	-0.45	-31.15	≤-30.45	PASS
11N20SISO	Ant1	High	2462	4.32	-37.29	≤-25.68	PASS
11N40SISO	Ant1	Low	2422	-3.93	-34.61	≤-33.93	PASS
11N40SISO	Ant1	High	2452	3.06	-30.68	≤-26.94	PASS



Test Graphs

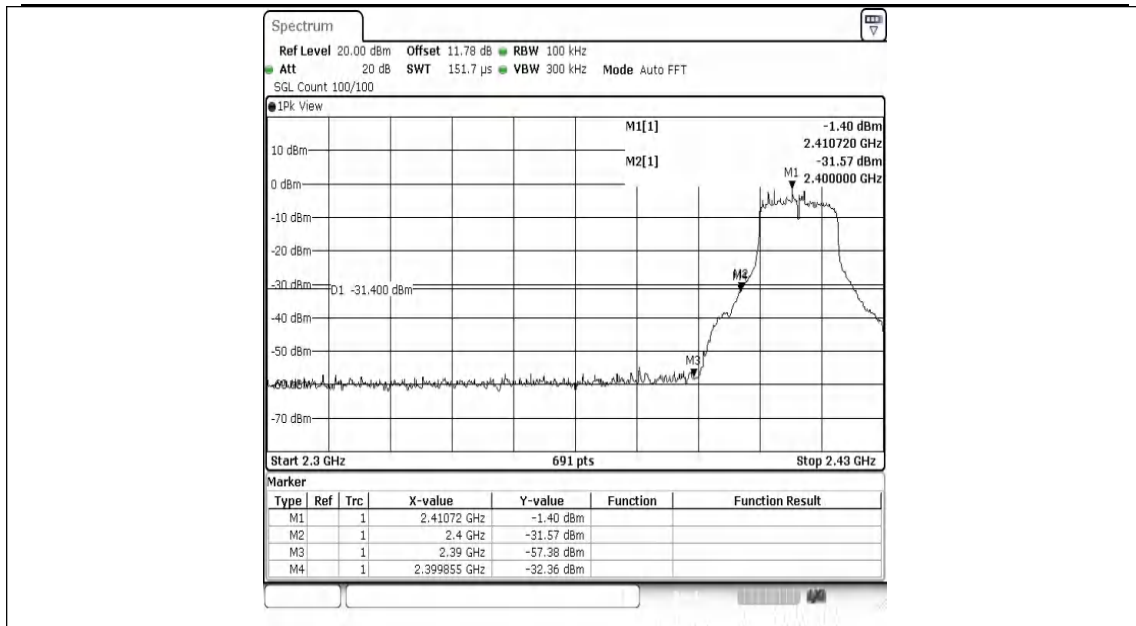


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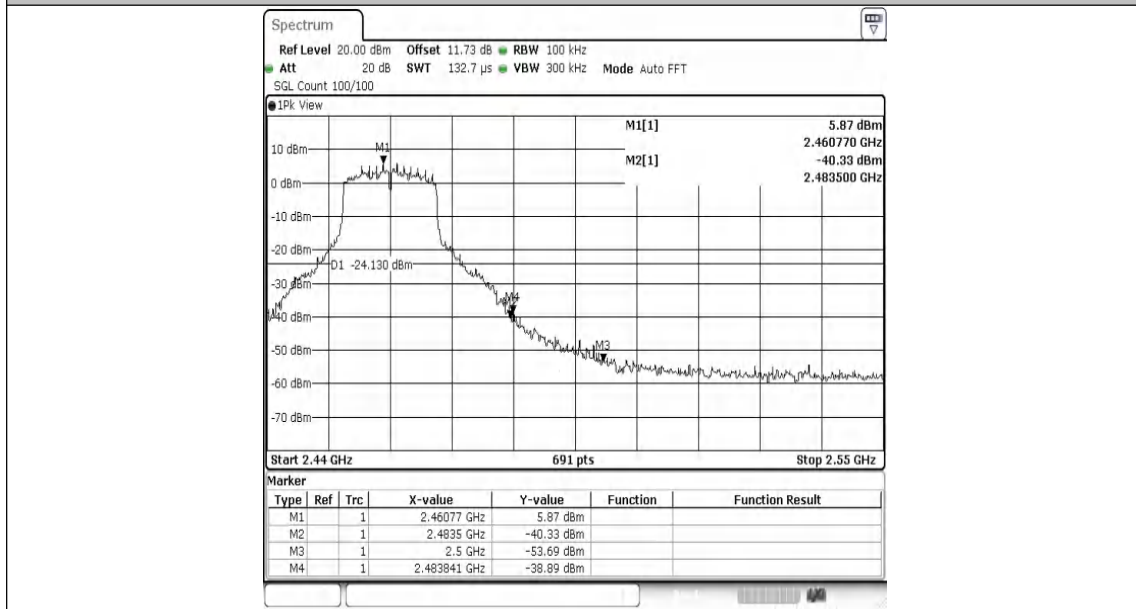
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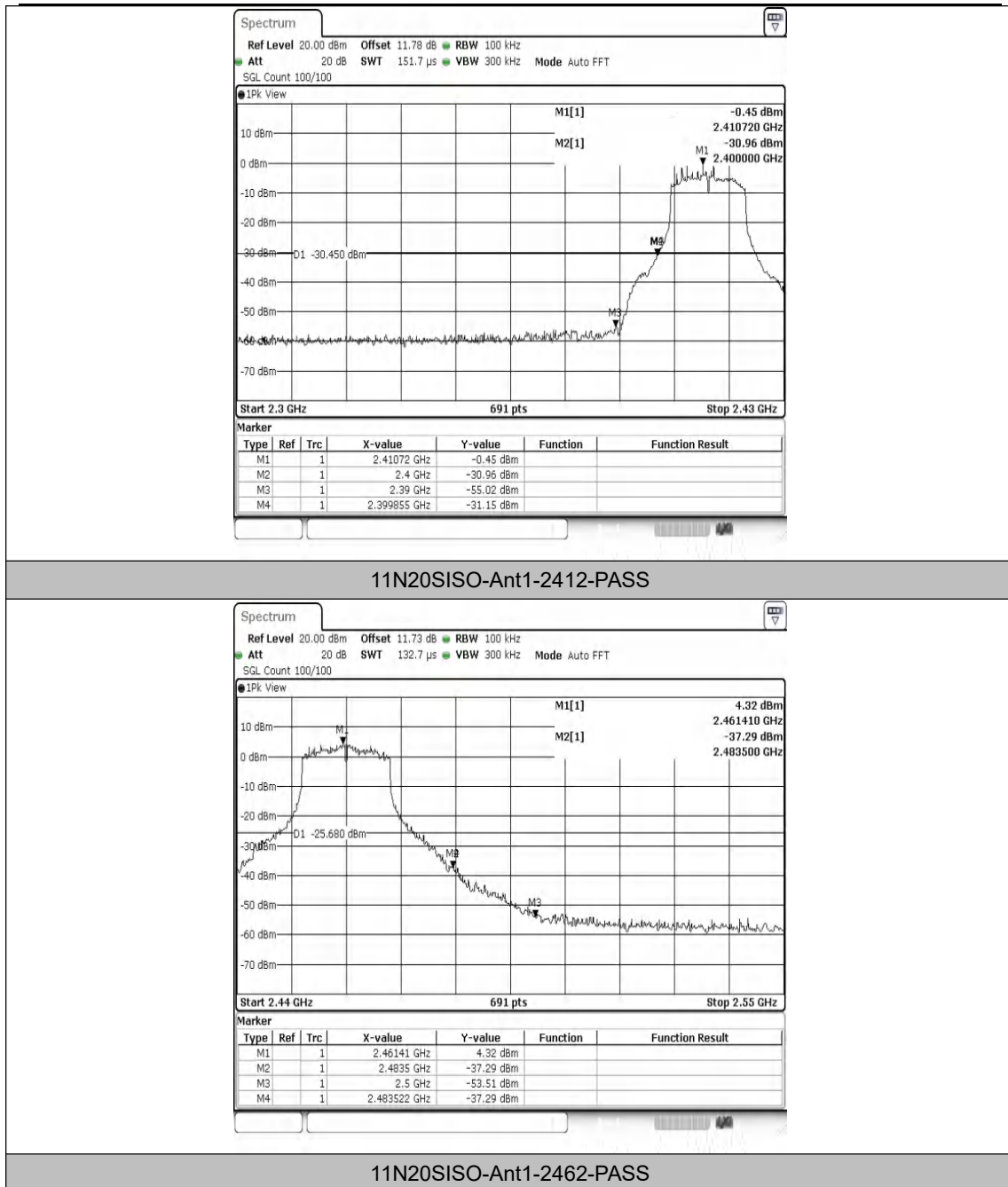


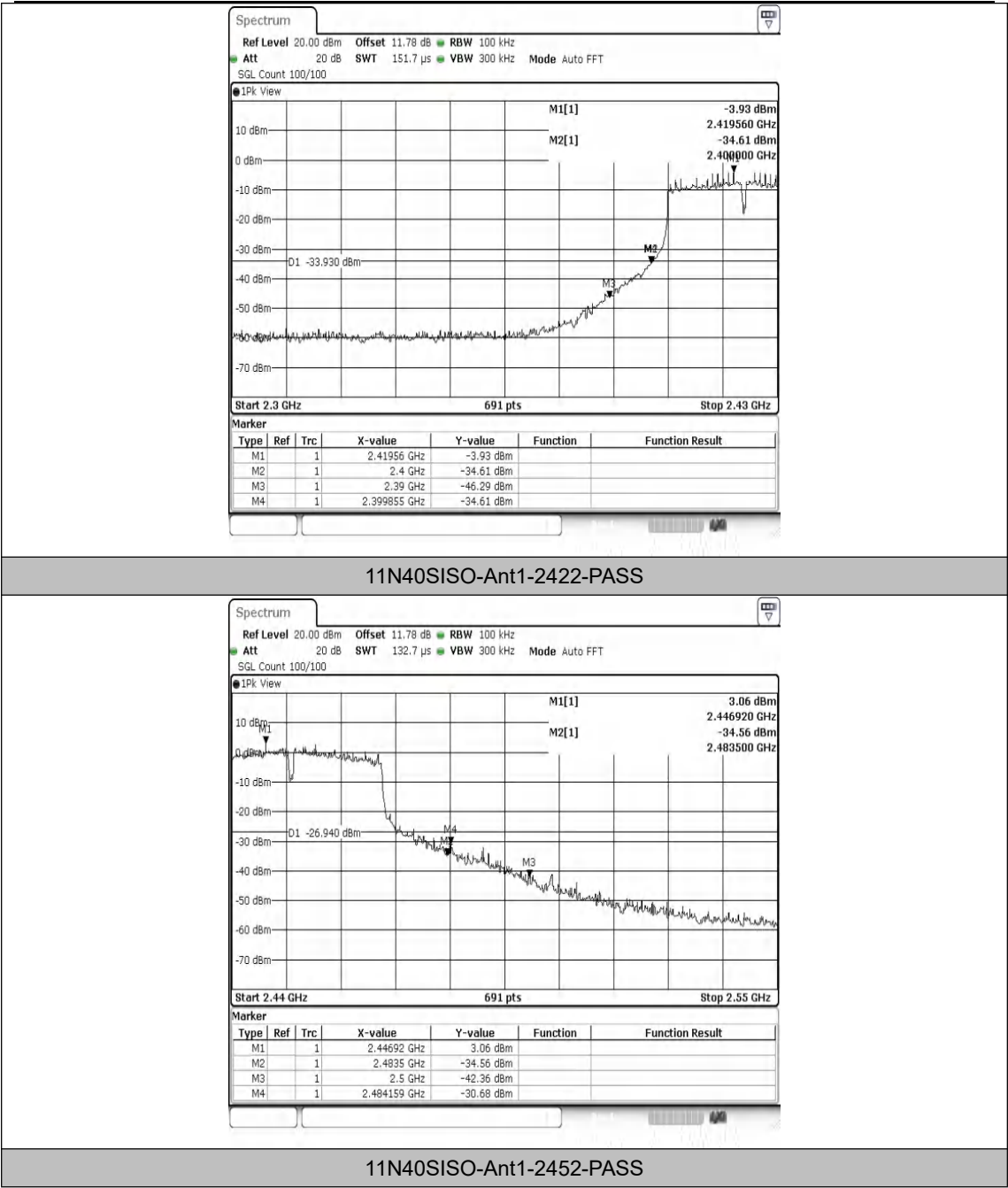
11G-Ant1-2412-PASS



11G-Ant1-2462-PASS







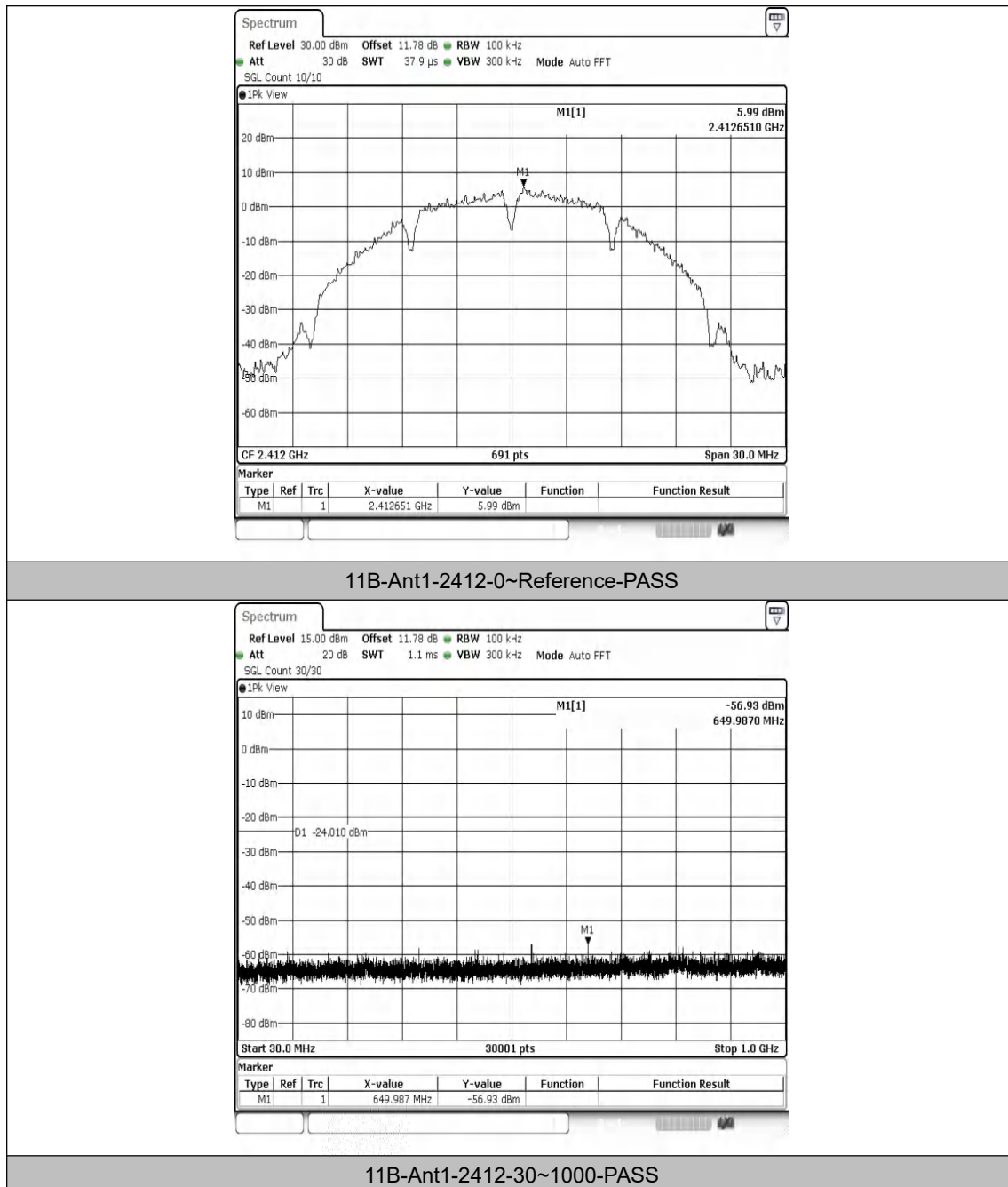
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.99	5.99	---	PASS
11B	Ant1	2412	30~1000	5.99	-56.93	≤-24.01	PASS
11B	Ant1	2412	1000~26500	5.99	-42.95	≤-24.01	PASS
11B	Ant1	2437	0~Reference	8.11	8.11	---	PASS
11B	Ant1	2437	30~1000	8.11	-56.86	≤-21.89	PASS
11B	Ant1	2437	1000~26500	8.11	-44.01	≤-21.89	PASS
11B	Ant1	2462	0~Reference	4.90	4.90	---	PASS
11B	Ant1	2462	30~1000	4.90	-57.11	≤-25.1	PASS
11B	Ant1	2462	1000~26500	4.90	-44.24	≤-25.1	PASS
11G	Ant1	2412	0~Reference	3.98	3.98	---	PASS
11G	Ant1	2412	30~1000	3.98	-55.84	≤-26.02	PASS
11G	Ant1	2412	1000~26500	3.98	-43.65	≤-26.02	PASS
11G	Ant1	2437	0~Reference	3.74	3.74	---	PASS
11G	Ant1	2437	30~1000	3.74	-56.89	≤-26.26	PASS
11G	Ant1	2437	1000~26500	3.74	-43.34	≤-26.26	PASS
11G	Ant1	2462	0~Reference	3.46	3.46	---	PASS
11G	Ant1	2462	30~1000	3.46	-55.69	≤-26.54	PASS
11G	Ant1	2462	1000~26500	3.46	-43.34	≤-26.54	PASS
11N20SISO	Ant1	2412	0~Reference	4.53	4.53	---	PASS
11N20SISO	Ant1	2412	30~1000	4.53	-56.3	≤-25.47	PASS
11N20SISO	Ant1	2412	1000~26500	4.53	-43.34	≤-25.47	PASS
11N20SISO	Ant1	2437	0~Reference	2.87	2.87	---	PASS
11N20SISO	Ant1	2437	30~1000	2.87	-57.11	≤-27.13	PASS
11N20SISO	Ant1	2437	1000~26500	2.87	-43.18	≤-27.13	PASS
11N20SISO	Ant1	2462	0~Reference	3.70	3.70	---	PASS
11N20SISO	Ant1	2462	30~1000	3.70	-56.55	≤-26.3	PASS
11N20SISO	Ant1	2462	1000~26500	3.70	-44.13	≤-26.3	PASS
11N40SISO	Ant1	2422	0~Reference	1.77	1.77	---	PASS
11N40SISO	Ant1	2422	30~1000	1.77	-57.34	≤-28.23	PASS
11N40SISO	Ant1	2422	1000~26500	1.77	-44.32	≤-28.23	PASS
11N40SISO	Ant1	2437	0~Reference	1.03	1.03	---	PASS
11N40SISO	Ant1	2437	30~1000	1.03	-56.08	≤-28.97	PASS
11N40SISO	Ant1	2437	1000~26500	1.03	-43.98	≤-28.97	PASS
11N40SISO	Ant1	2452	0~Reference	1.14	1.14	---	PASS
11N40SISO	Ant1	2452	30~1000	1.14	-56.77	≤-28.86	PASS
11N40SISO	Ant1	2452	1000~26500	1.14	-43.06	≤-28.86	PASS



Test Graphs



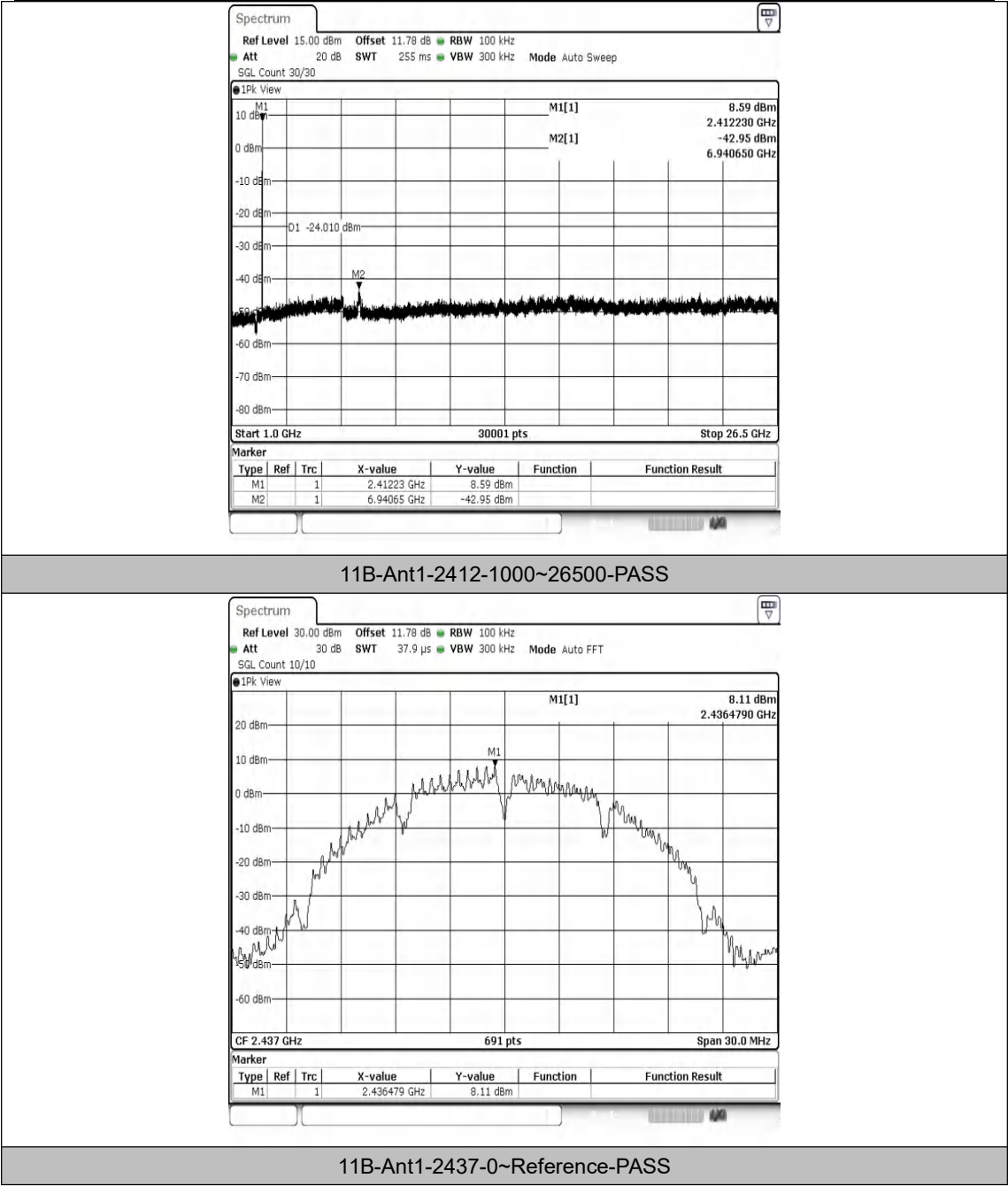
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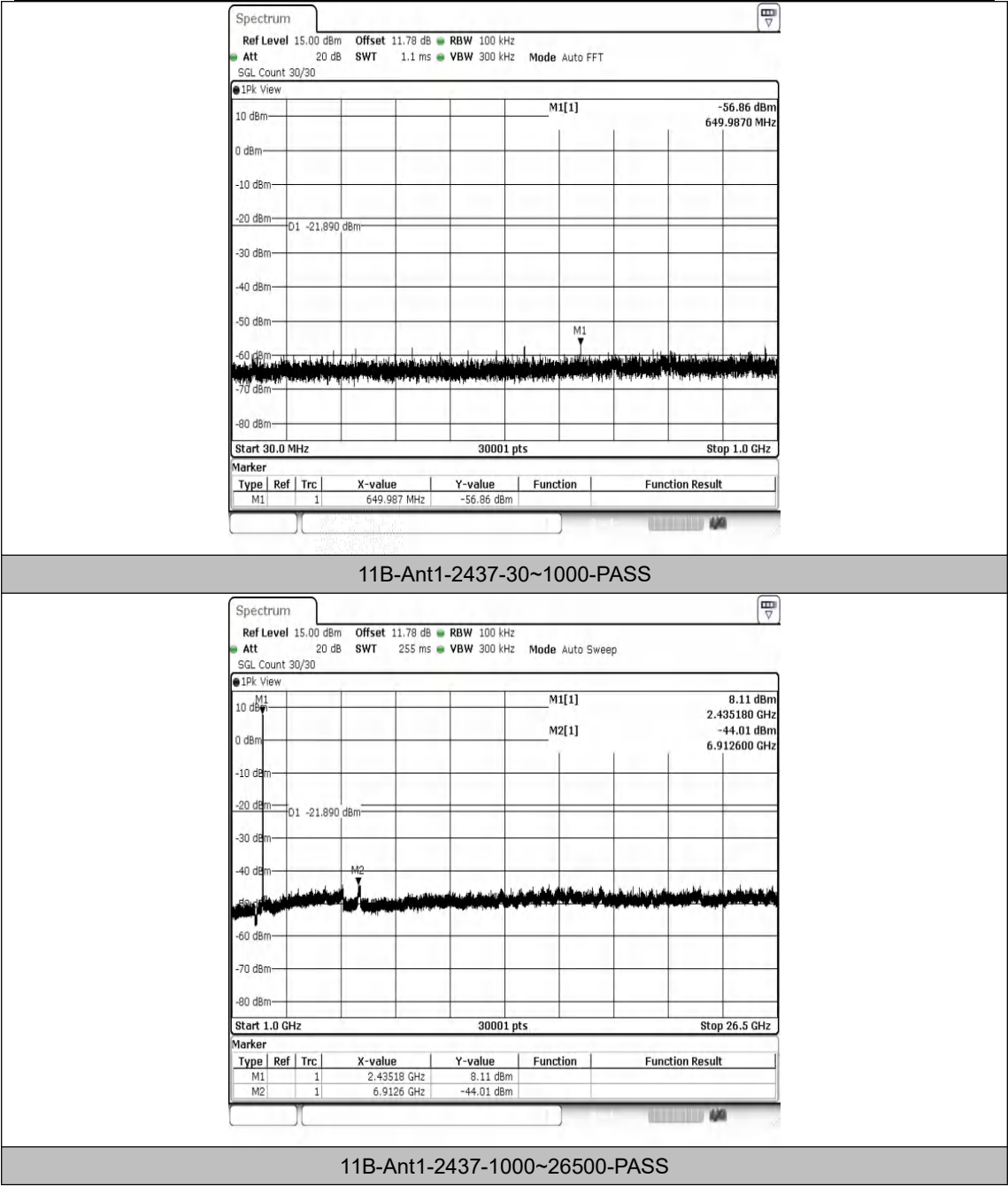
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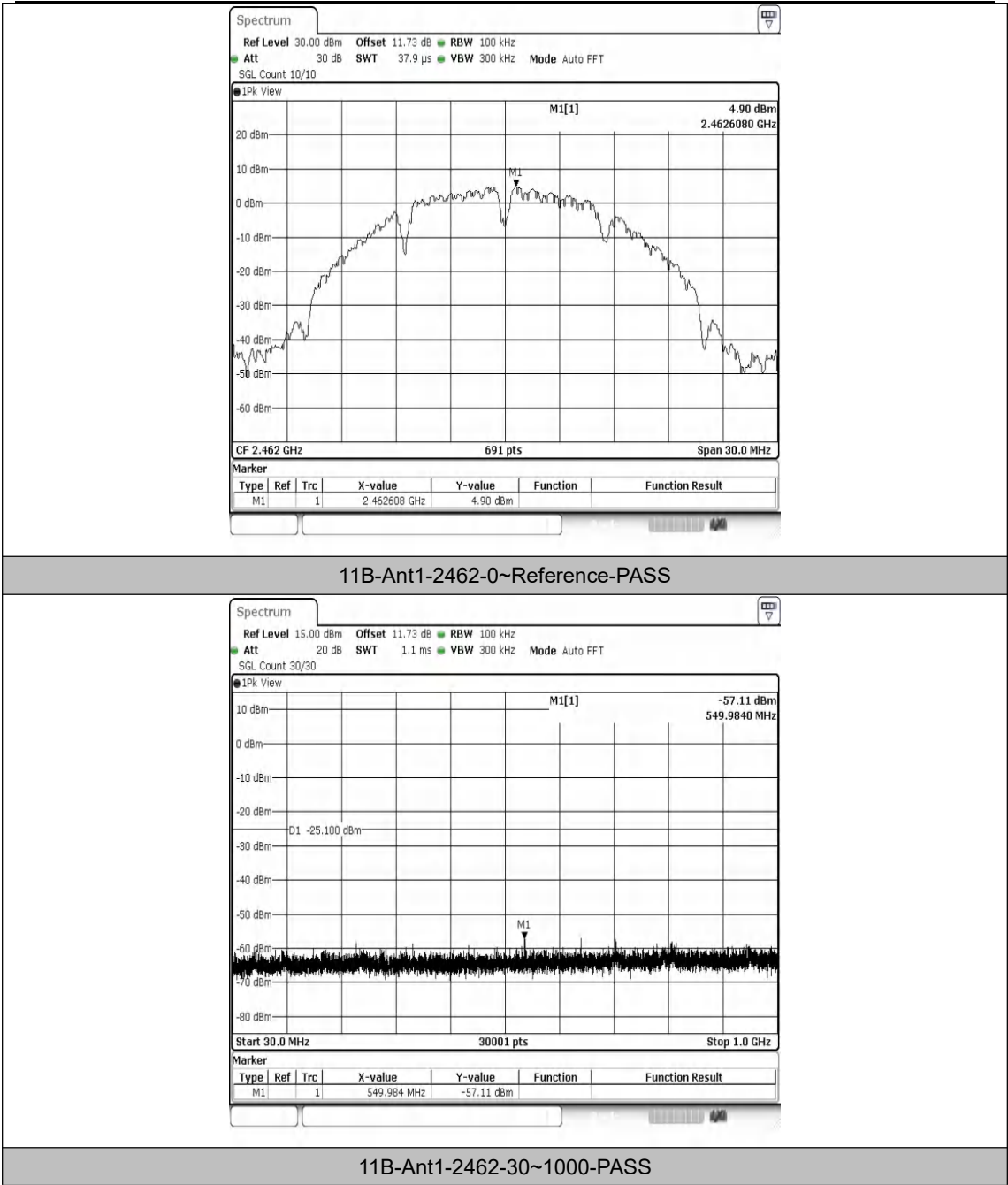


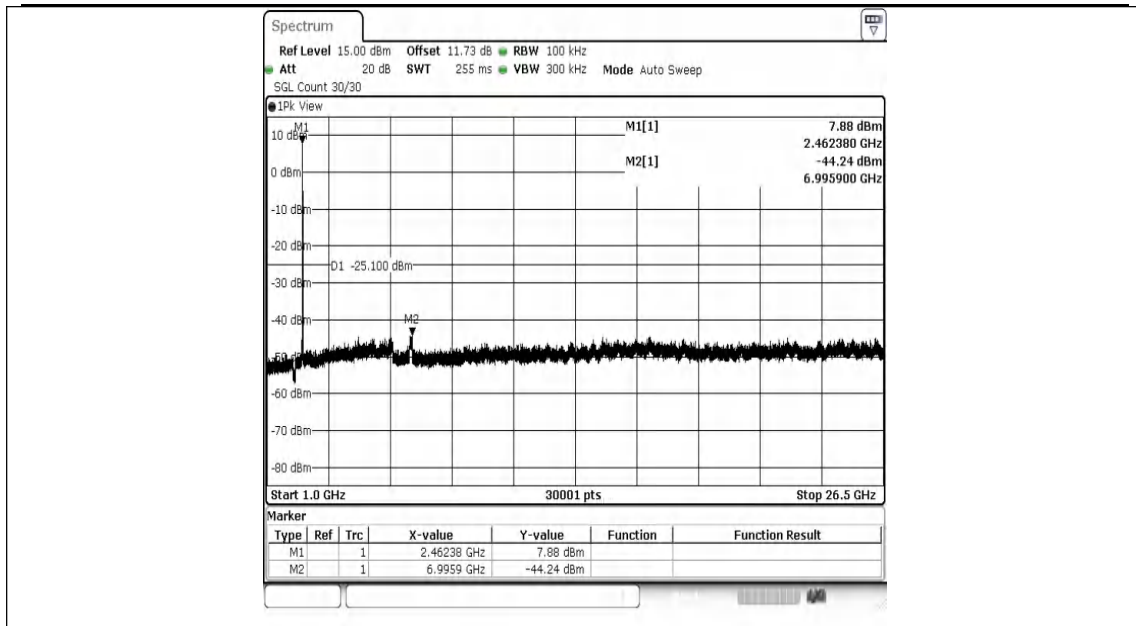
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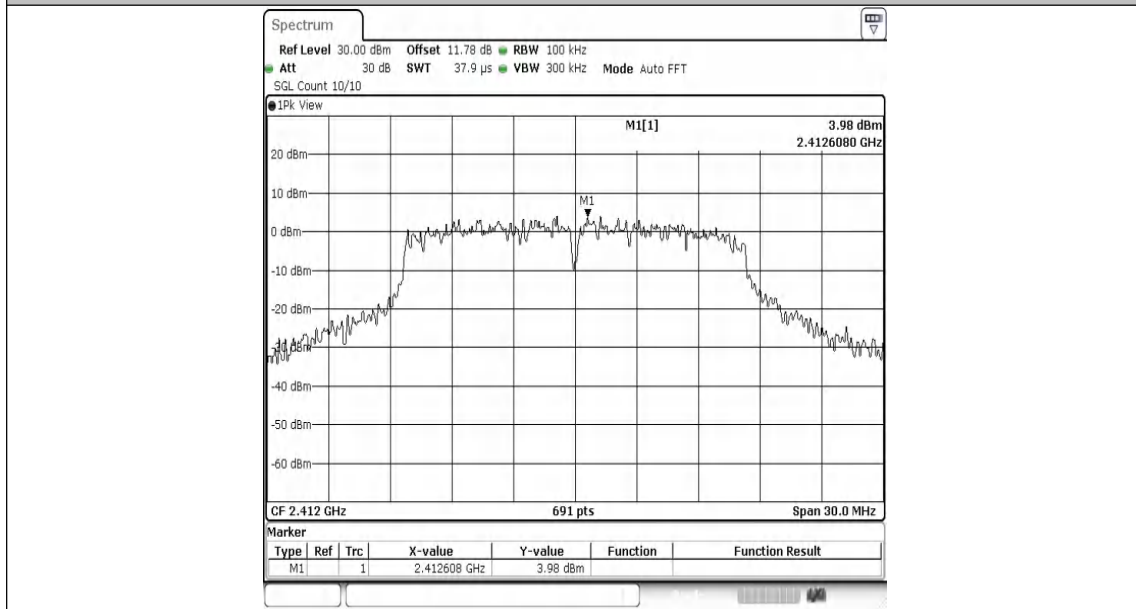






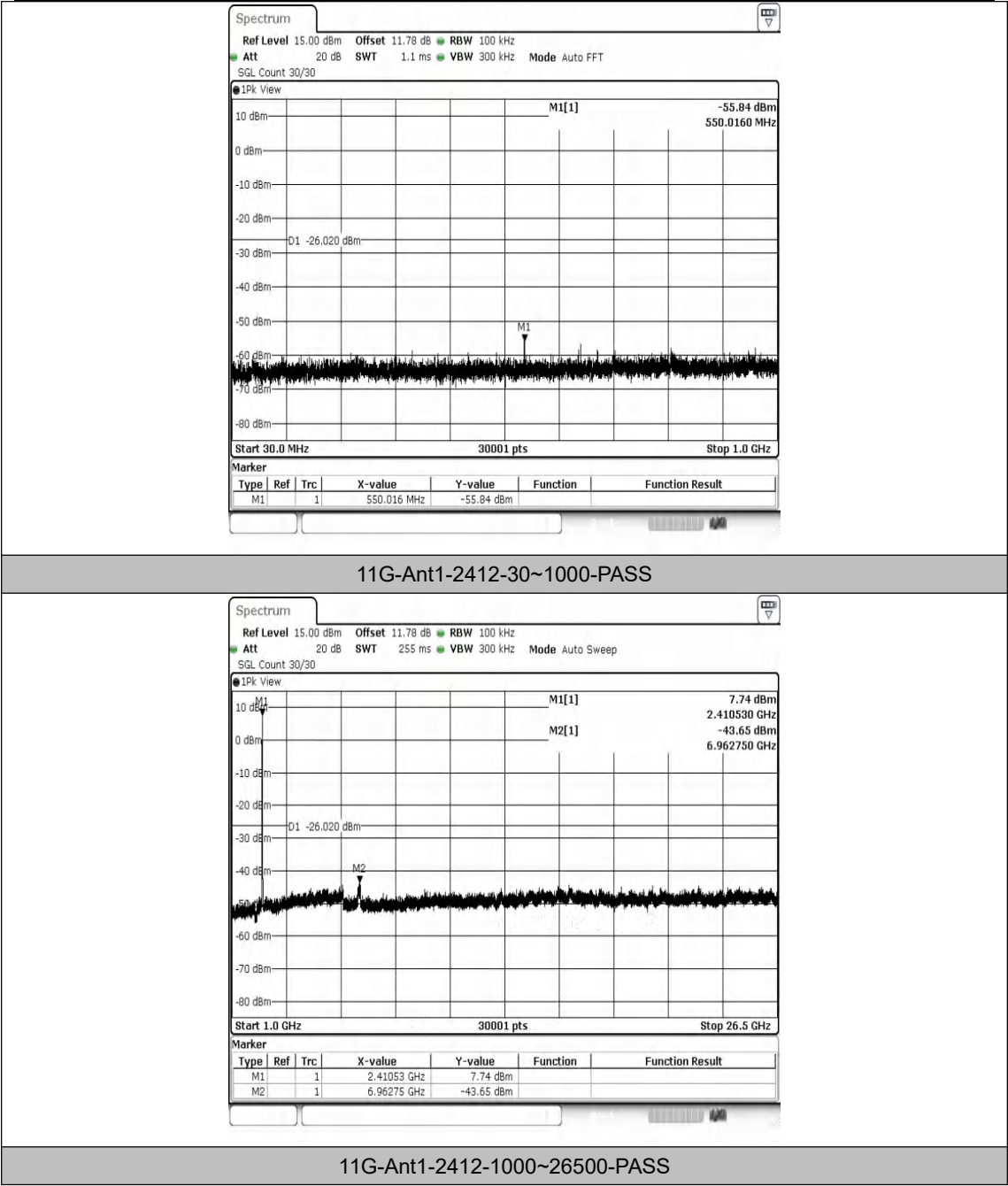


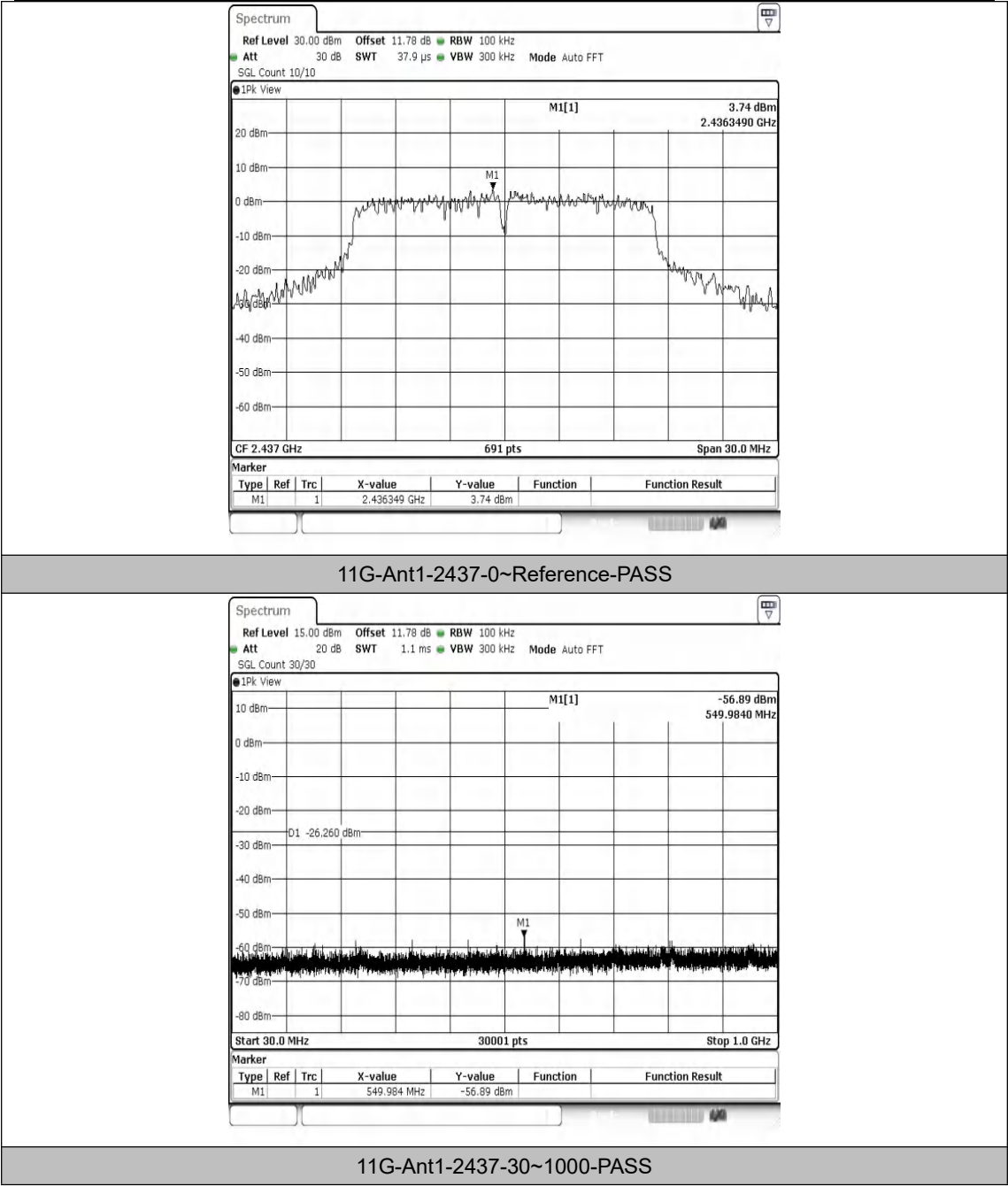
11B-Ant1-2462-1000~26500-PASS

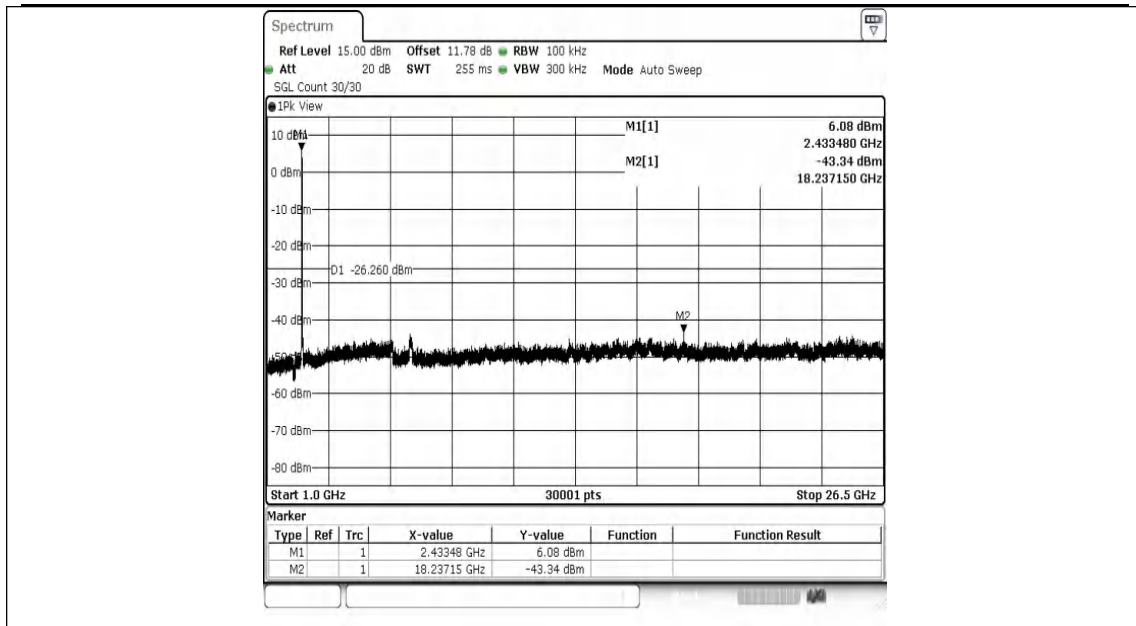


11G-Ant1-2412-0~Reference-PASS

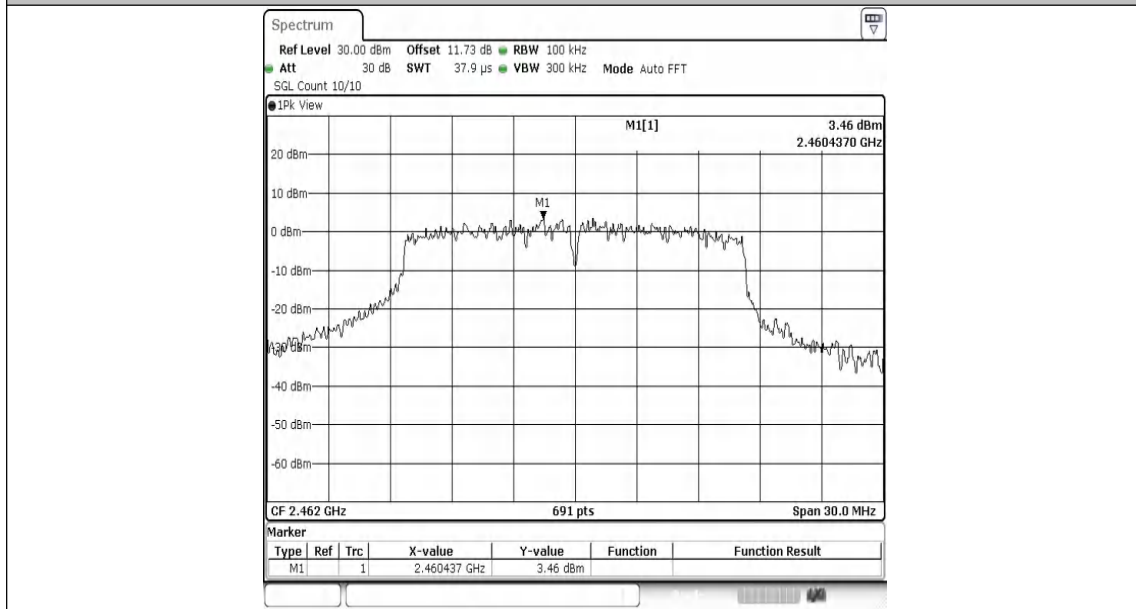






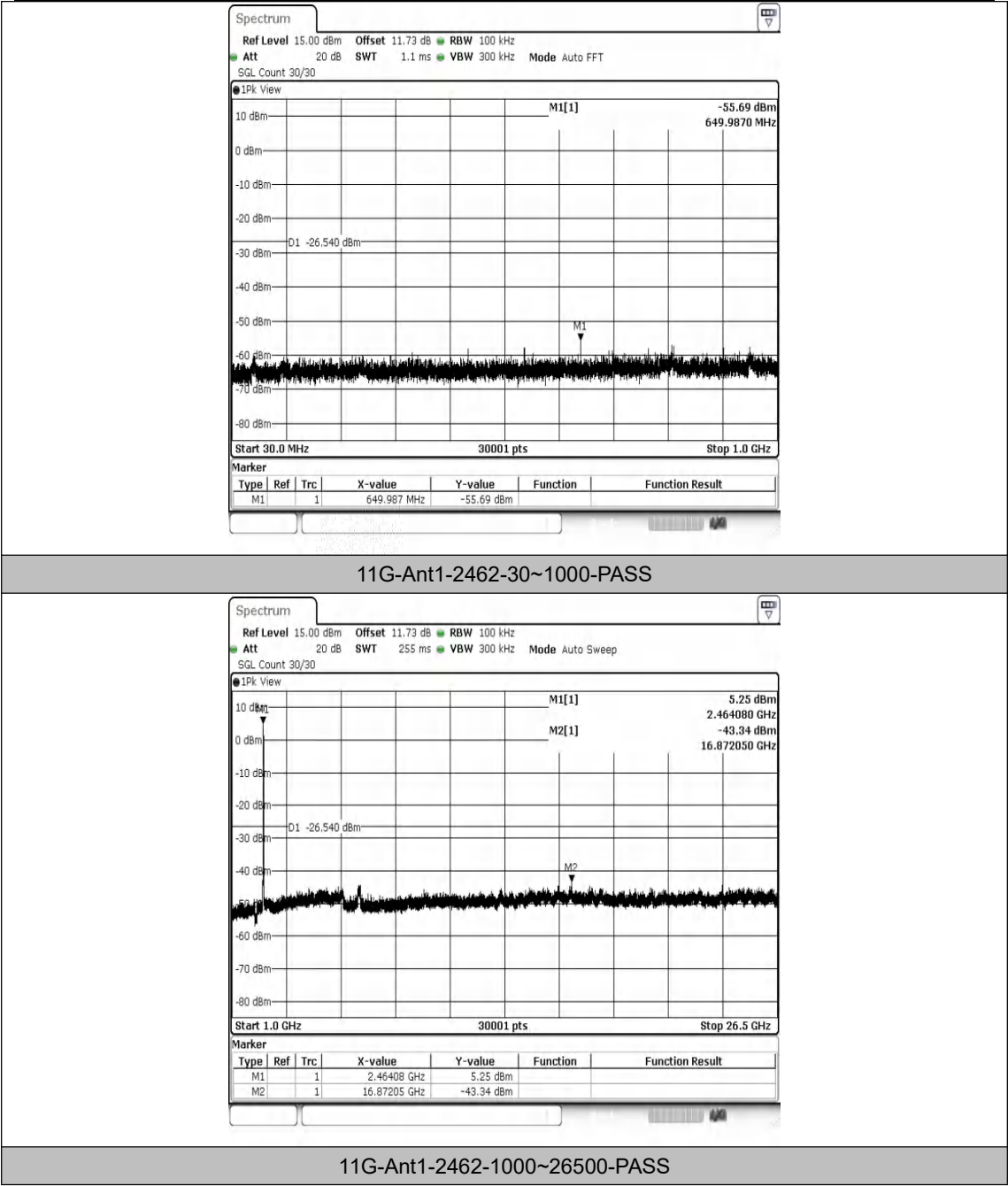


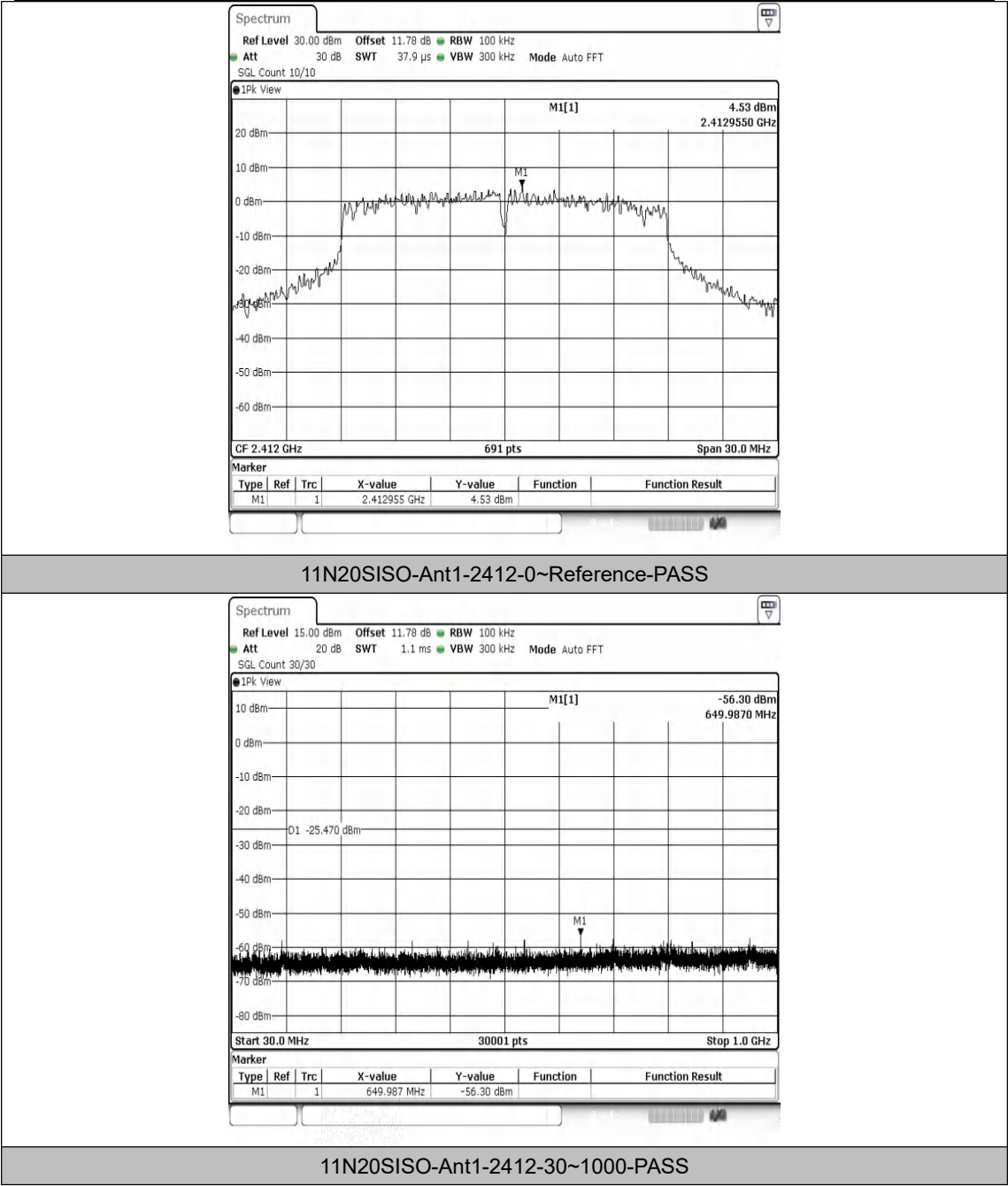
11G-Ant1-2437-1000~26500-PASS

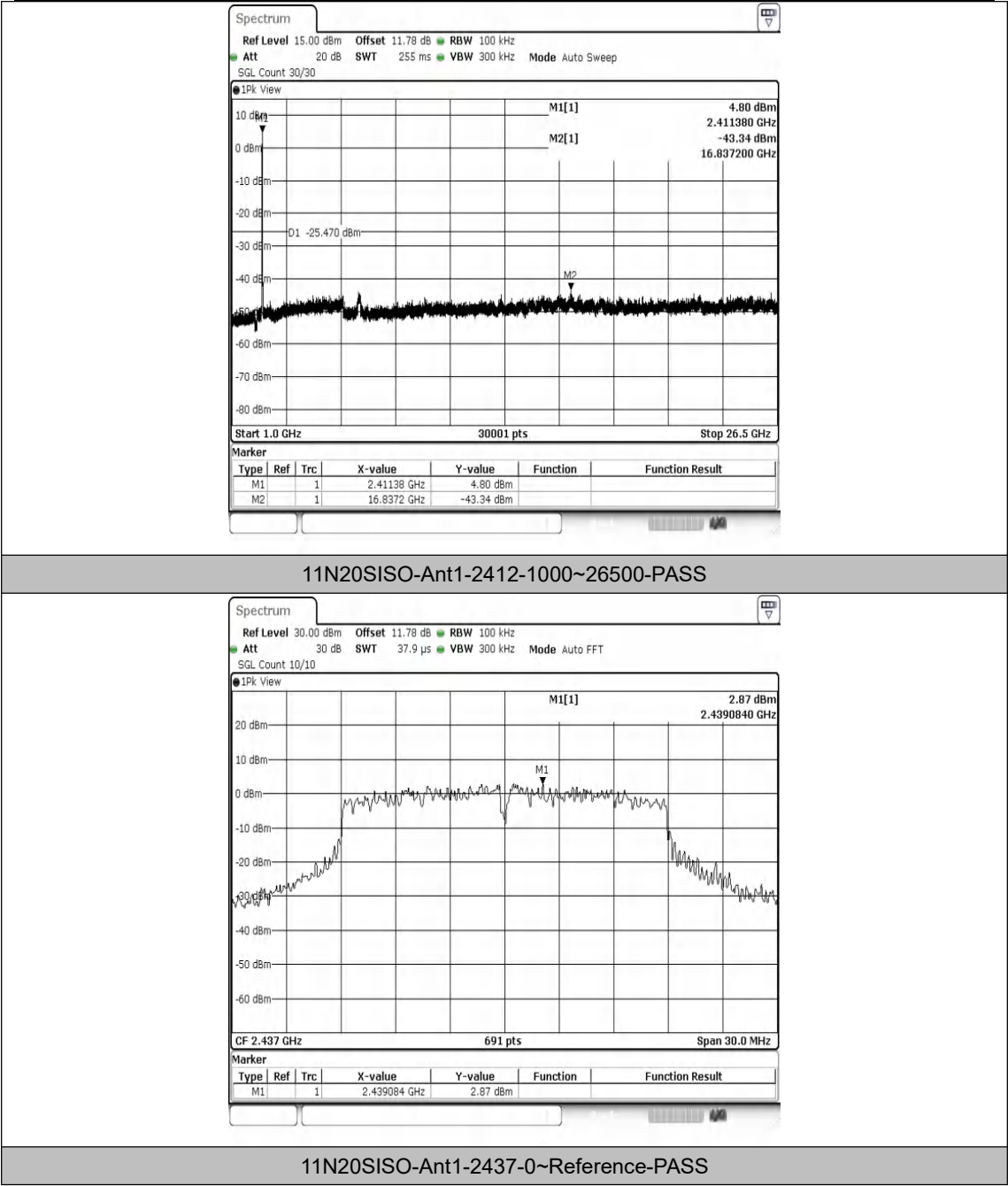


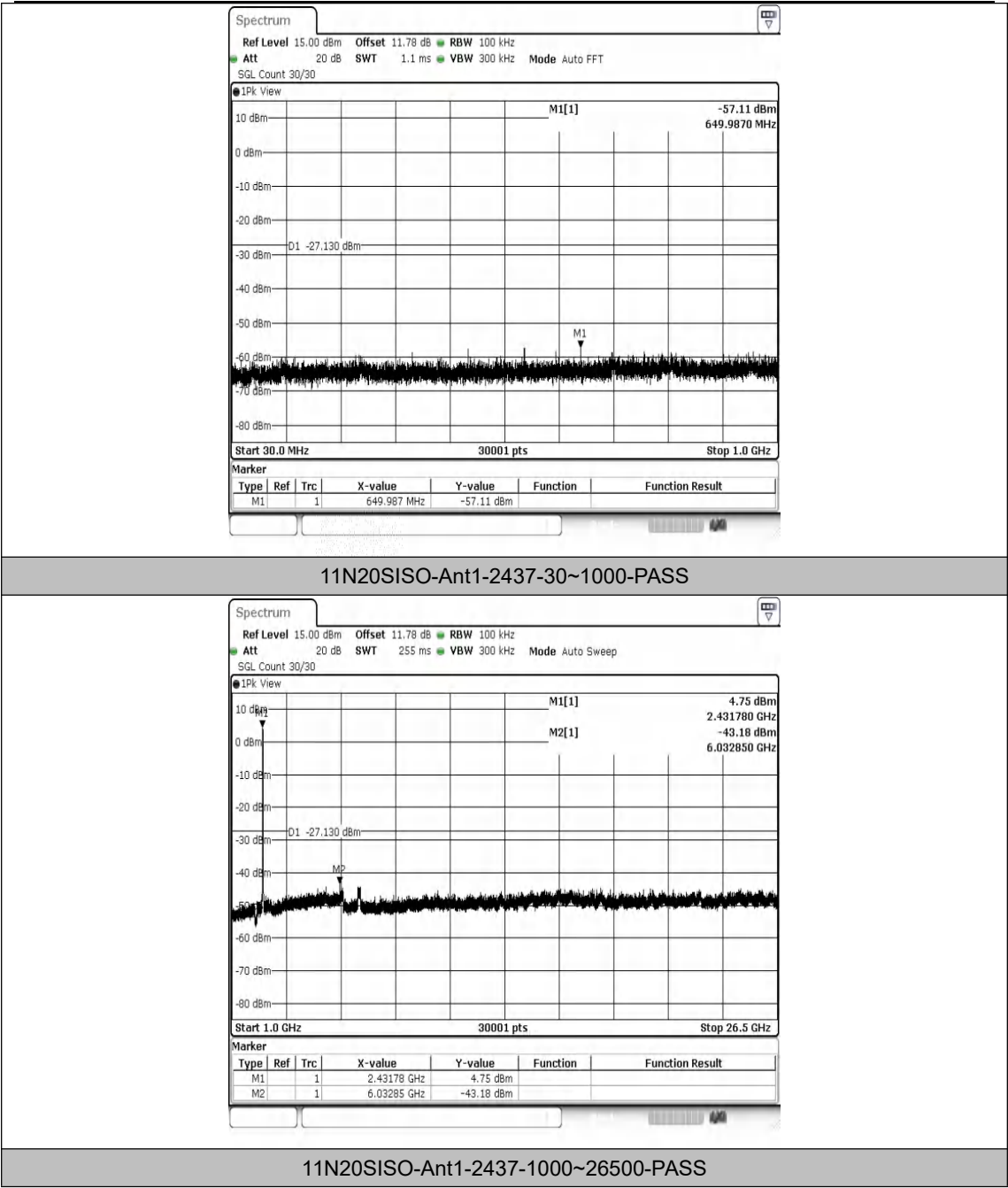
11G-Ant1-2462-0~Reference-PASS

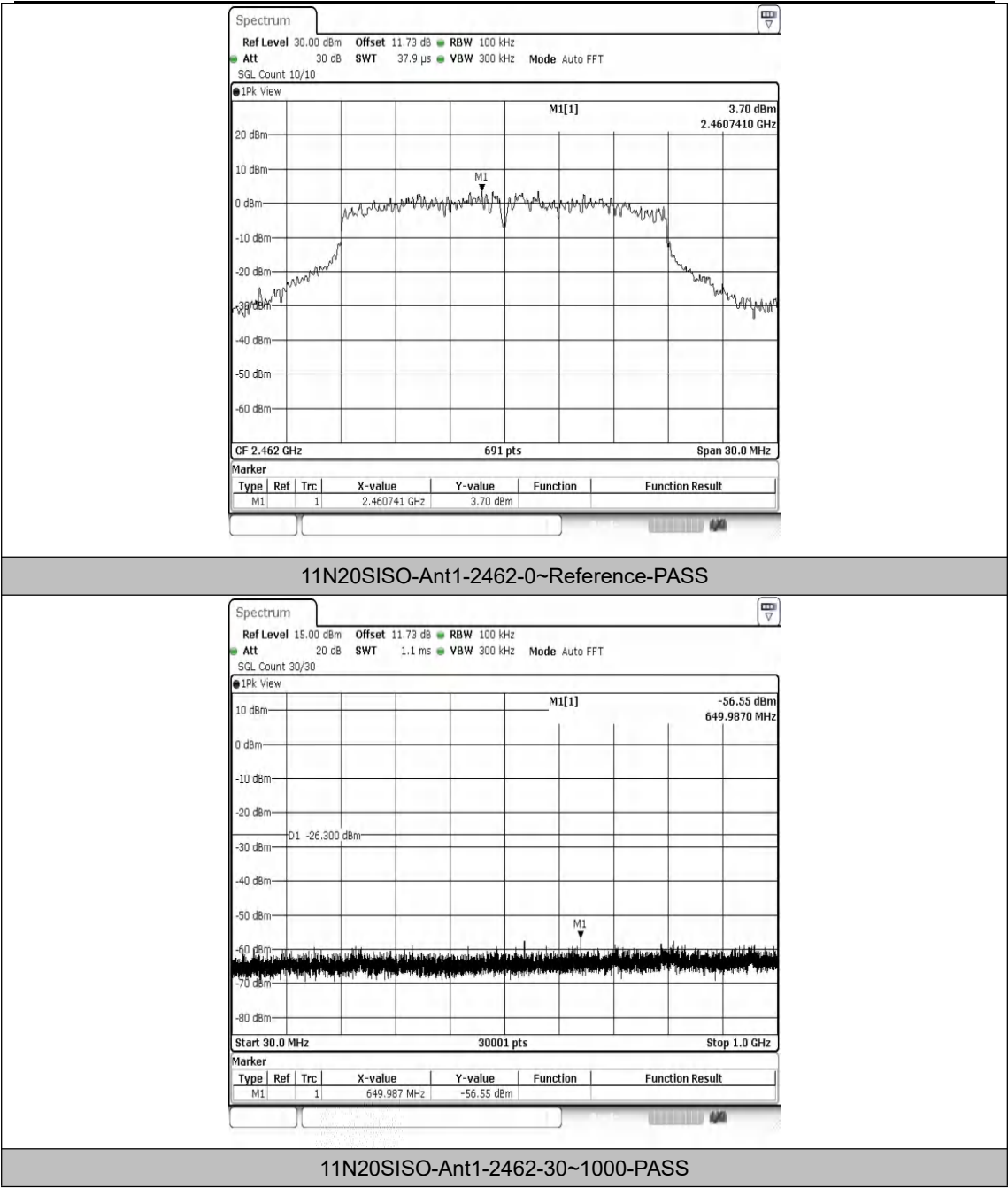


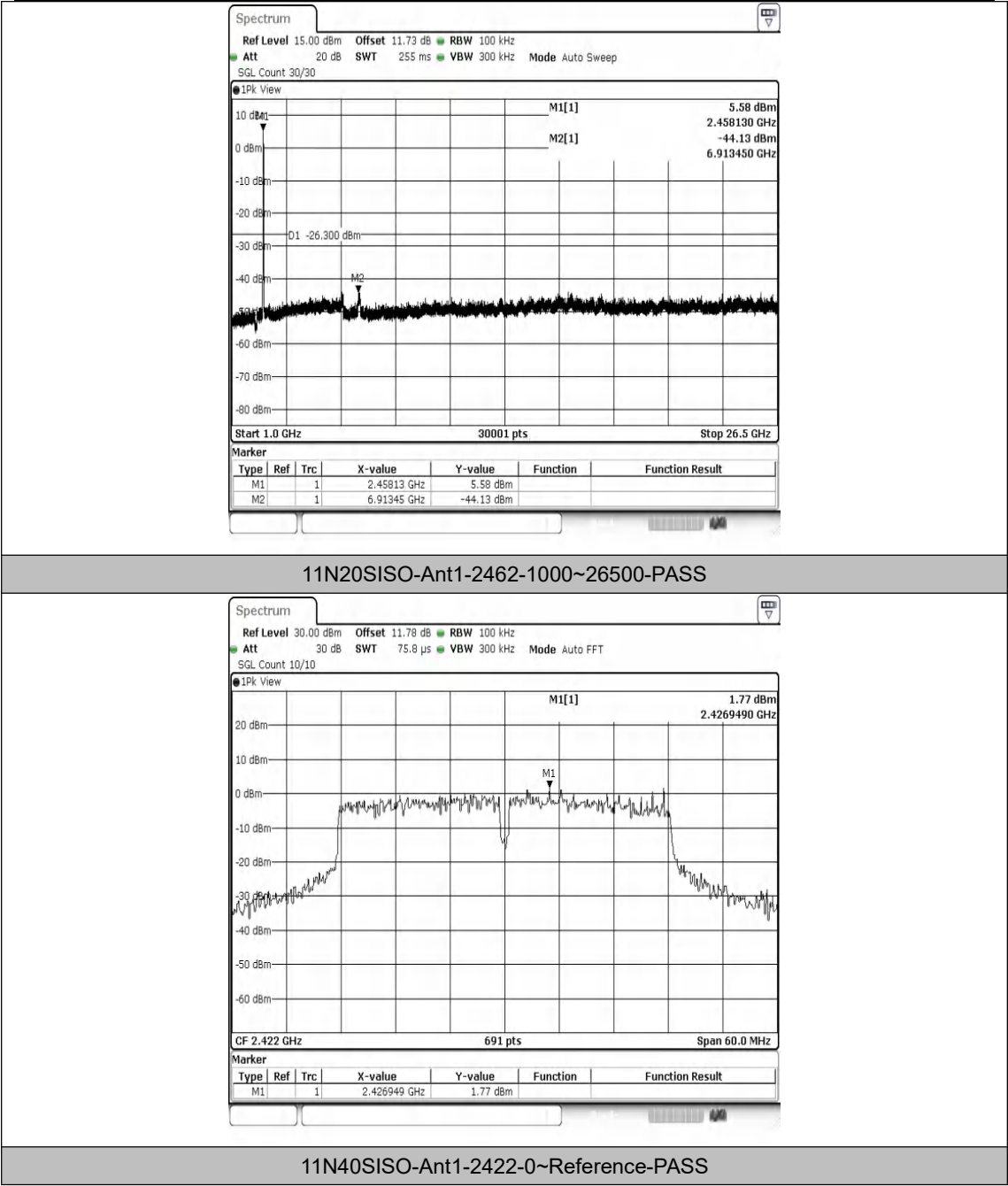


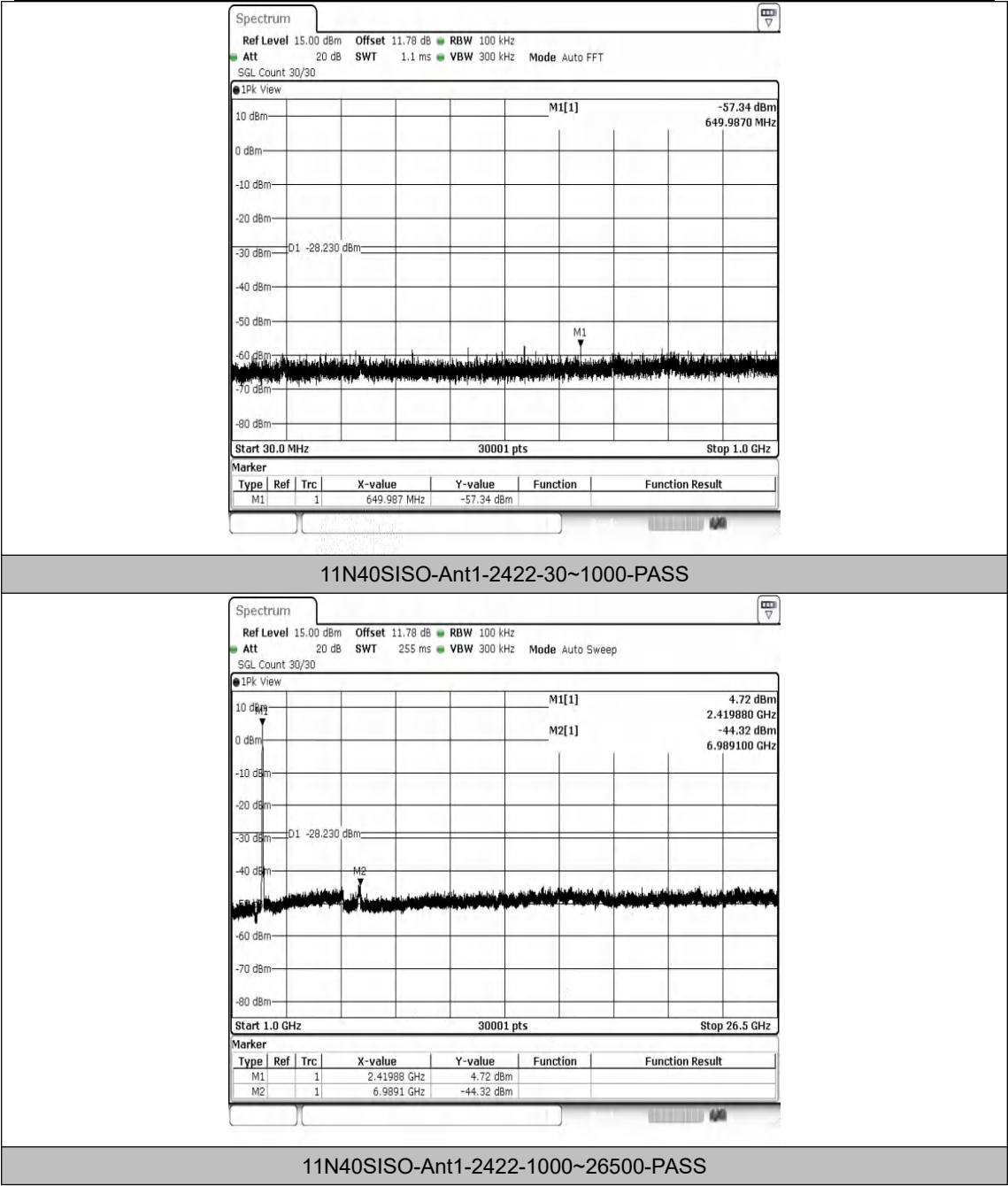


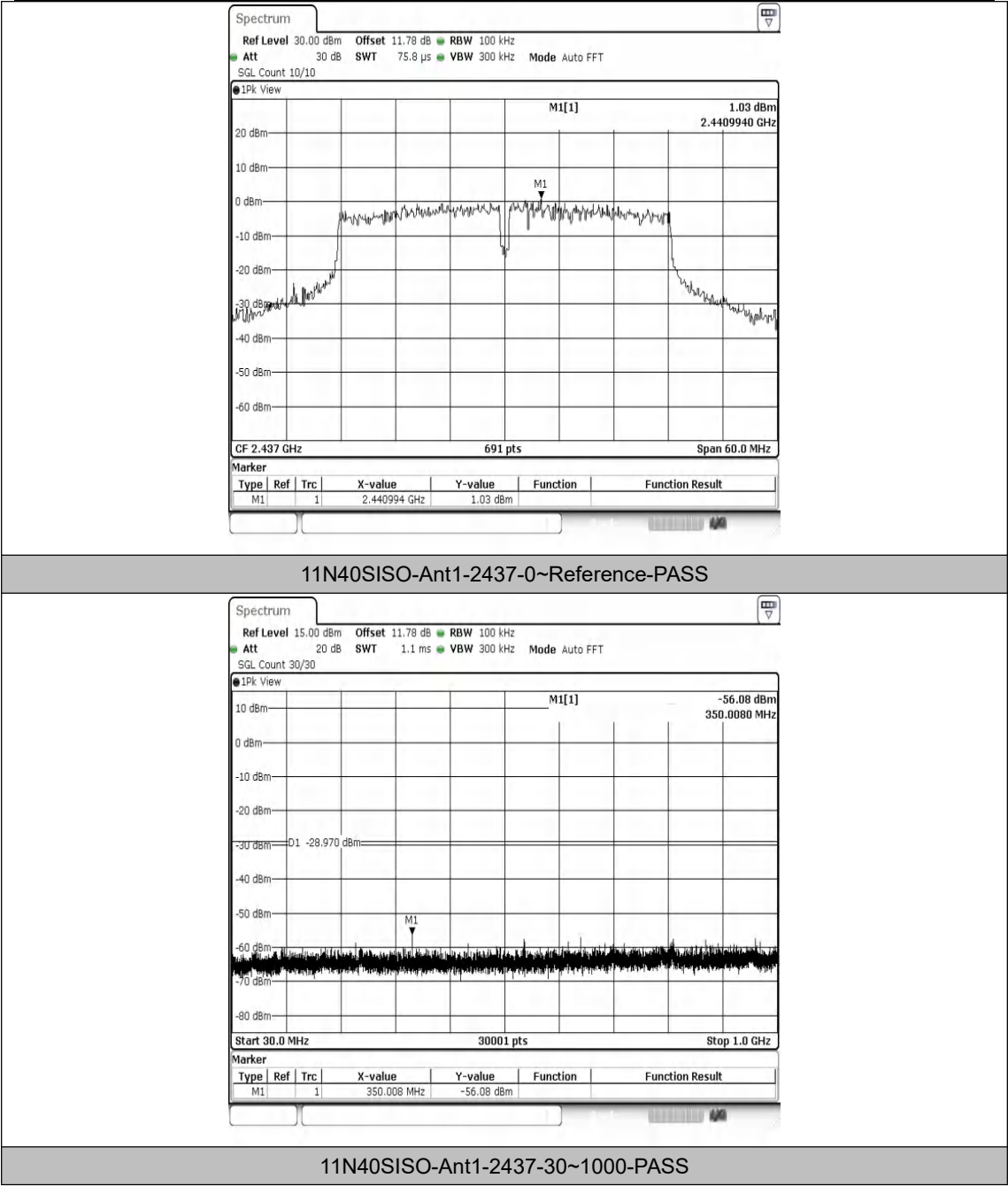


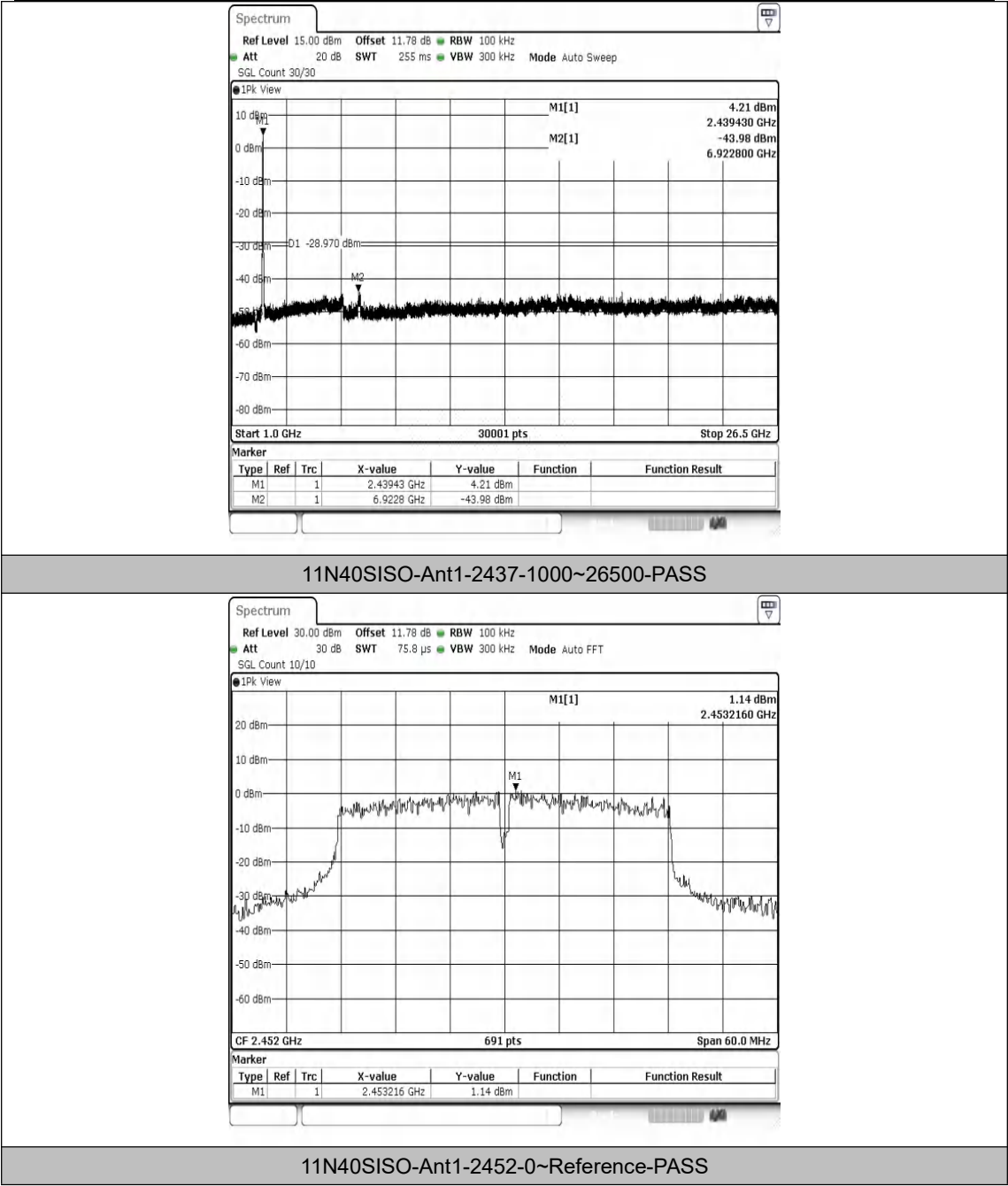


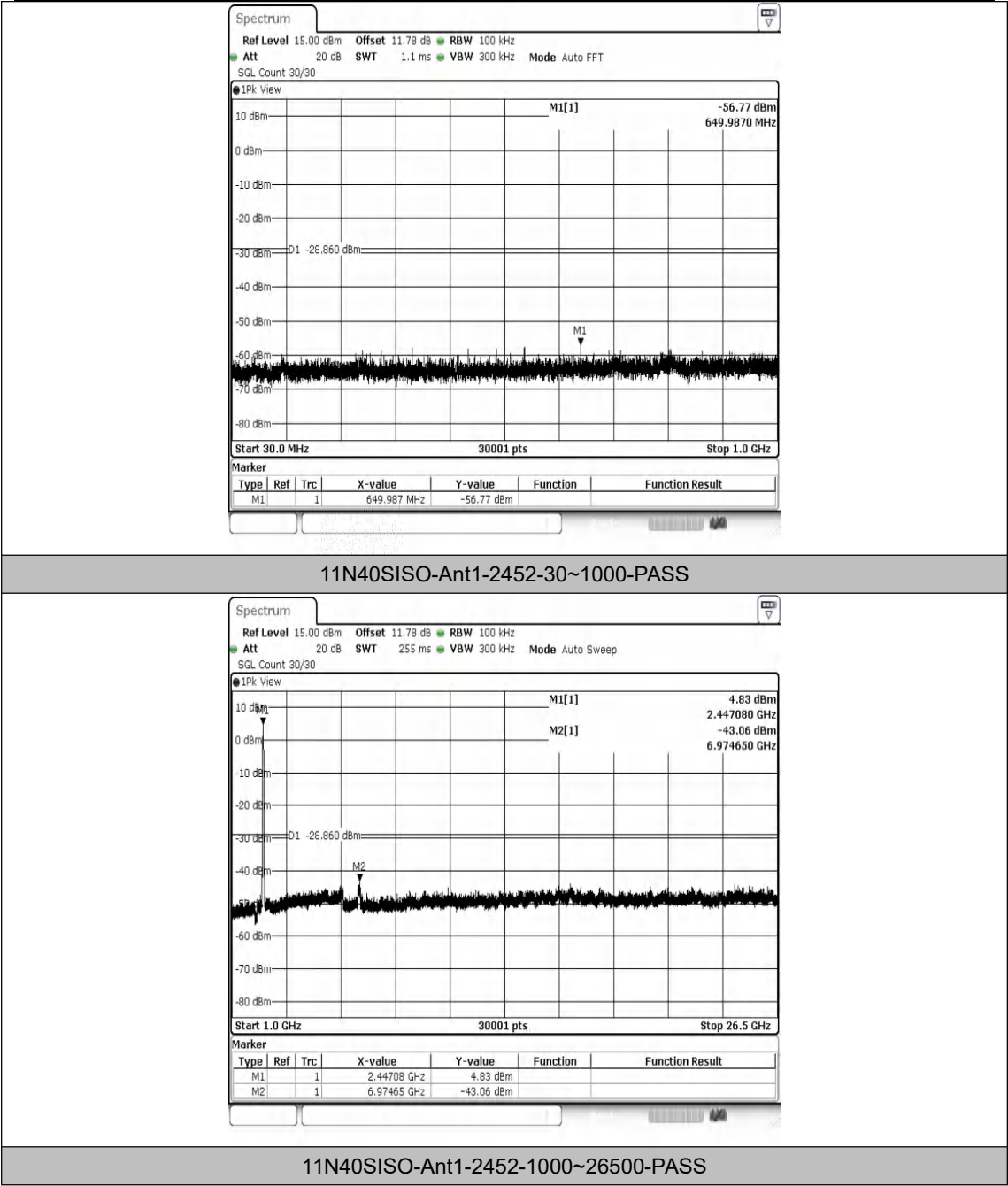












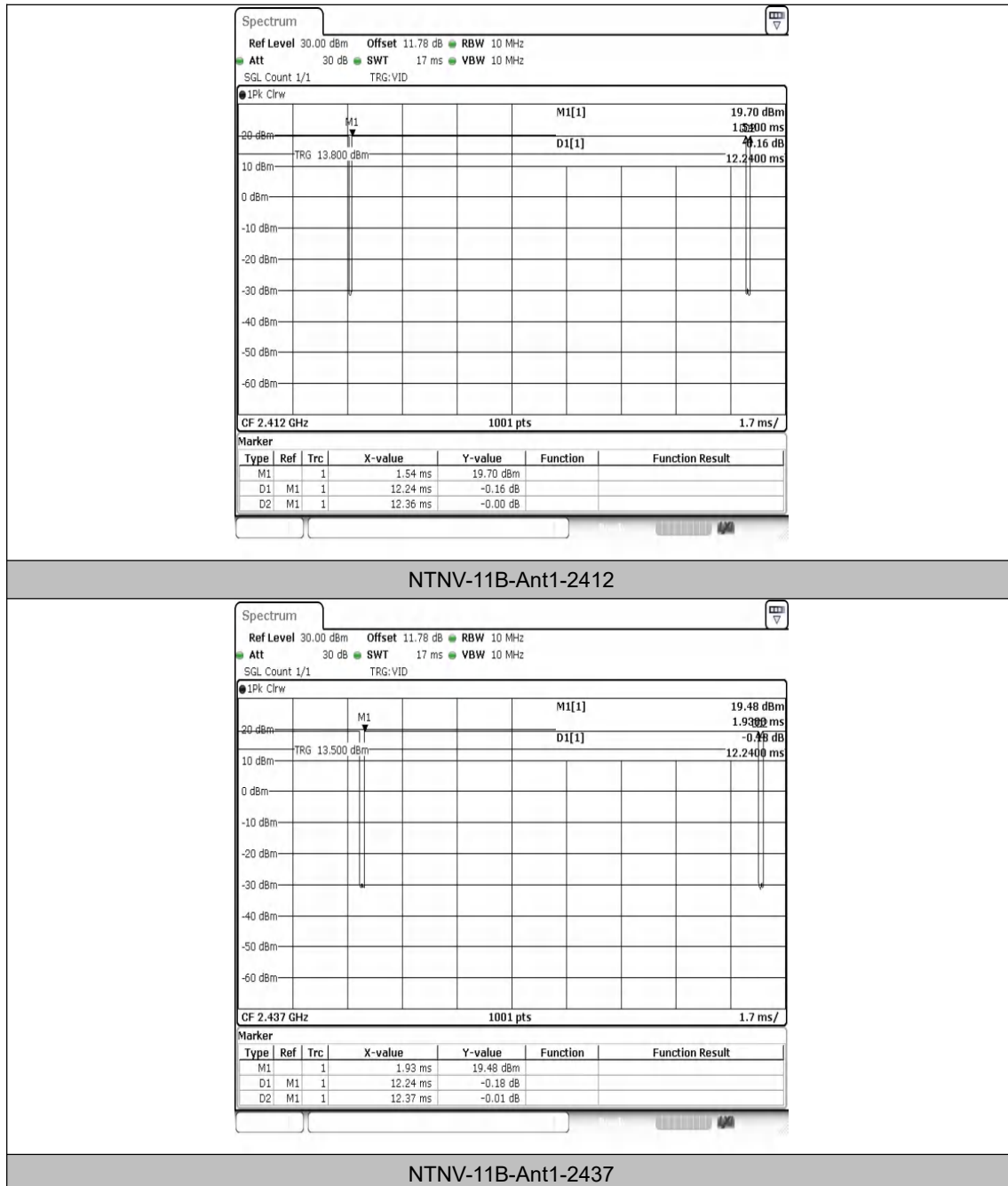
Appendix G: Duty Cycle

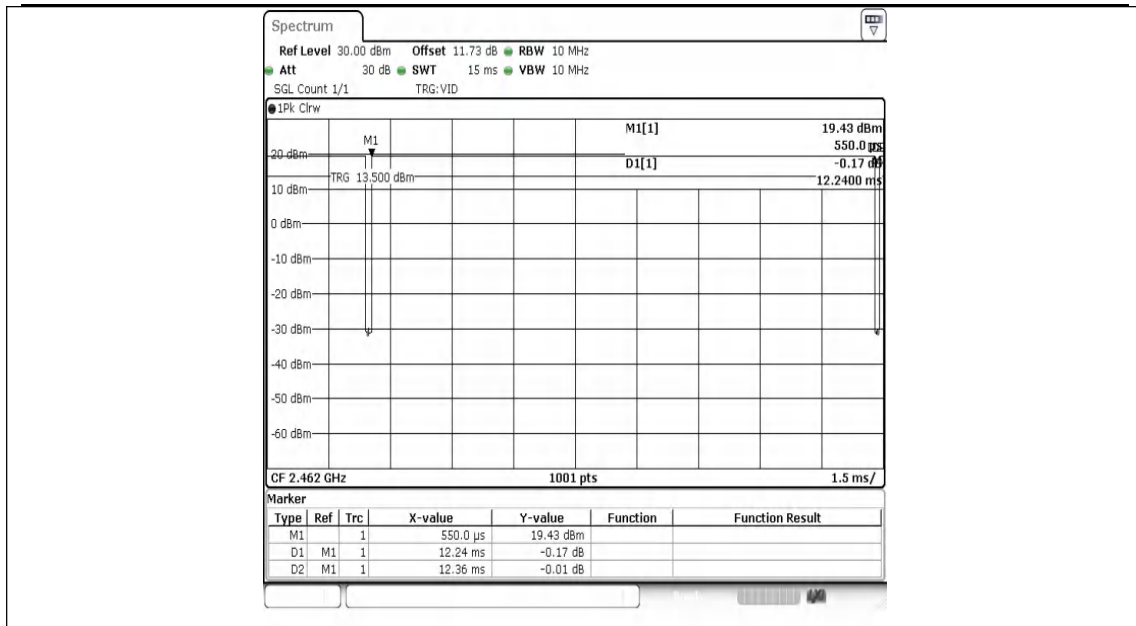
Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.24	12.36	99.03	0.04
11B	Ant1	2437	12.24	12.37	98.95	0.05
11B	Ant1	2462	12.24	12.36	99.03	0.04
11G	Ant1	2412	2.03	2.14	94.86	0.23
11G	Ant1	2437	2.04	2.20	92.73	0.33
11G	Ant1	2462	2.04	2.18	93.58	0.29
11N20SISO	Ant1	2412	1.89	2.01	94.03	0.27
11N20SISO	Ant1	2437	1.89	2.05	92.20	0.35
11N20SISO	Ant1	2462	1.90	2.01	94.53	0.24
11N40SISO	Ant1	2422	0.93	1.07	86.92	0.61
11N40SISO	Ant1	2437	0.93	1.05	88.57	0.53
11N40SISO	Ant1	2452	0.94	1.08	87.04	0.60

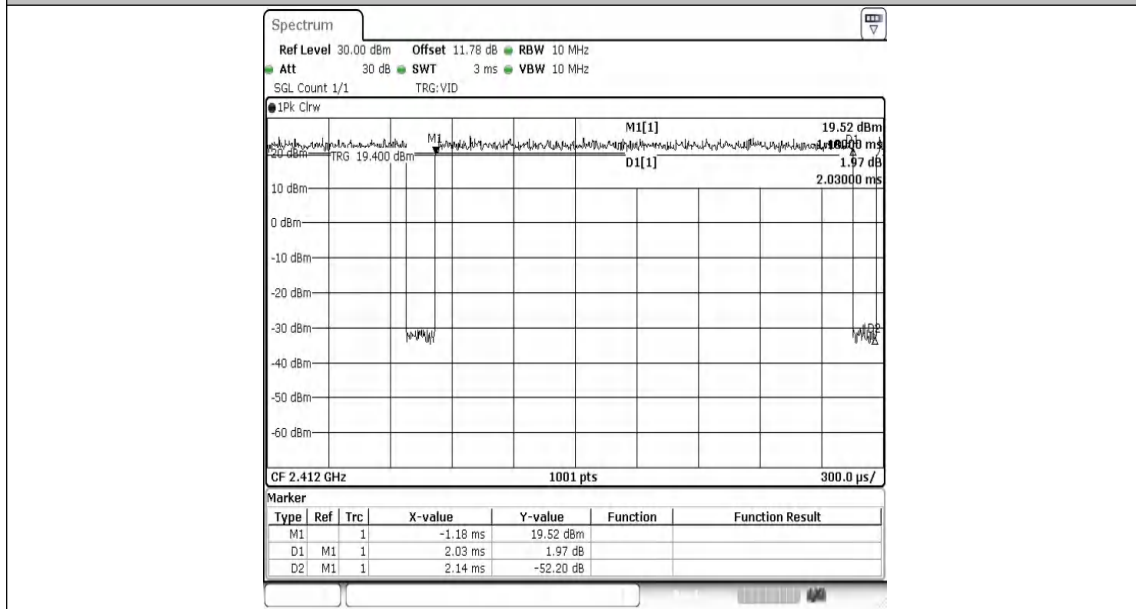


Test Graphs



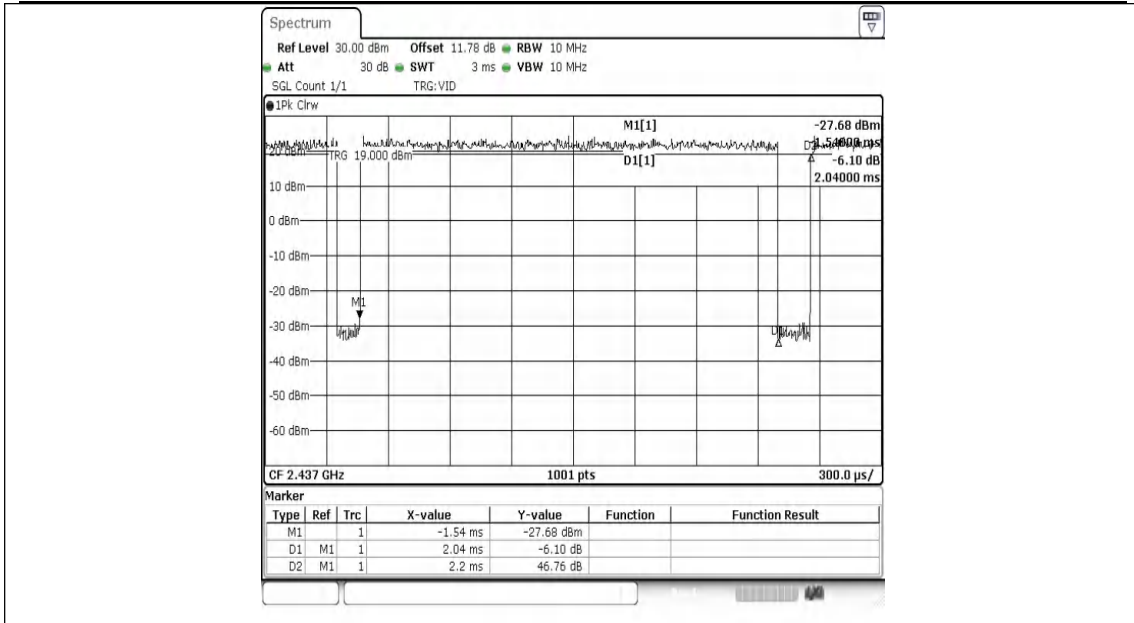


NTNV-11B-Ant1-2462

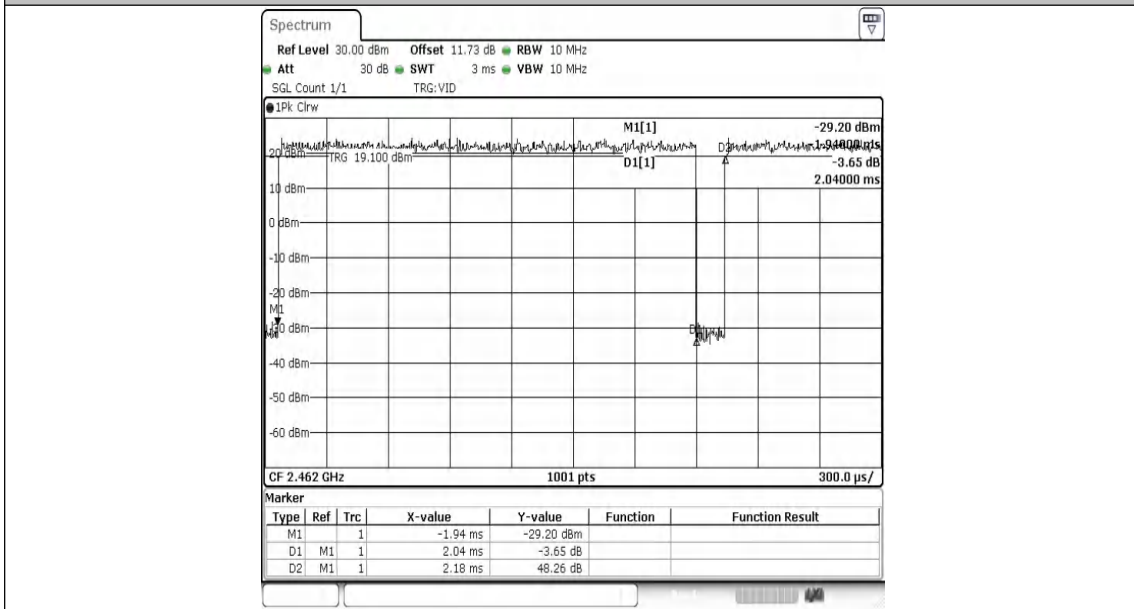


NTNV-11G-Ant1-2412





NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462



