

Appendix Test Data

Report No.:	1813C50226712502	Test Sample No.:	1-2-2
Start Test Date:	2025-5-27	Finish Test Date:	2025-6-4
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	48%
Pressure:	101kPa		

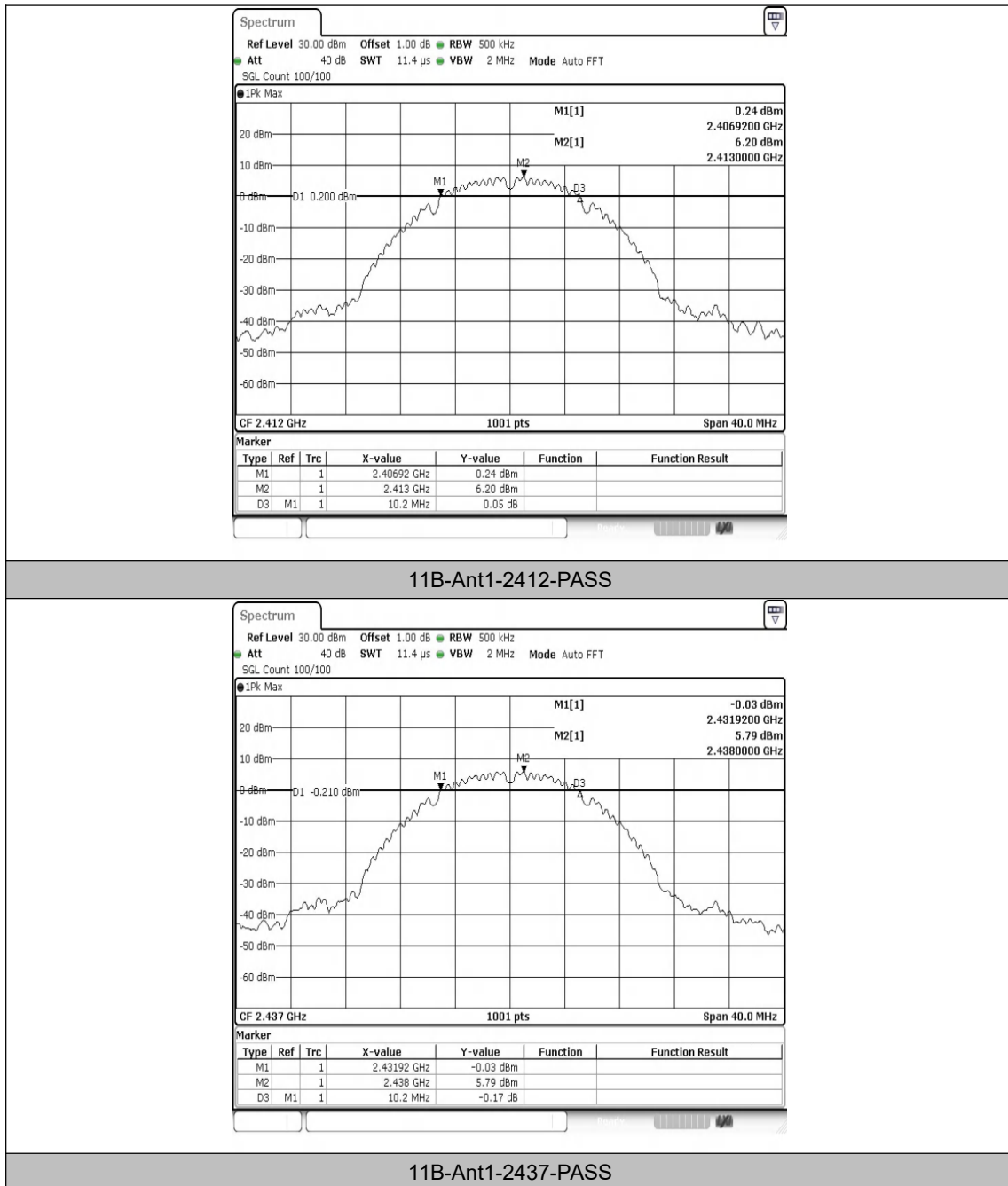
Appendix A: 6dB Bandwidth

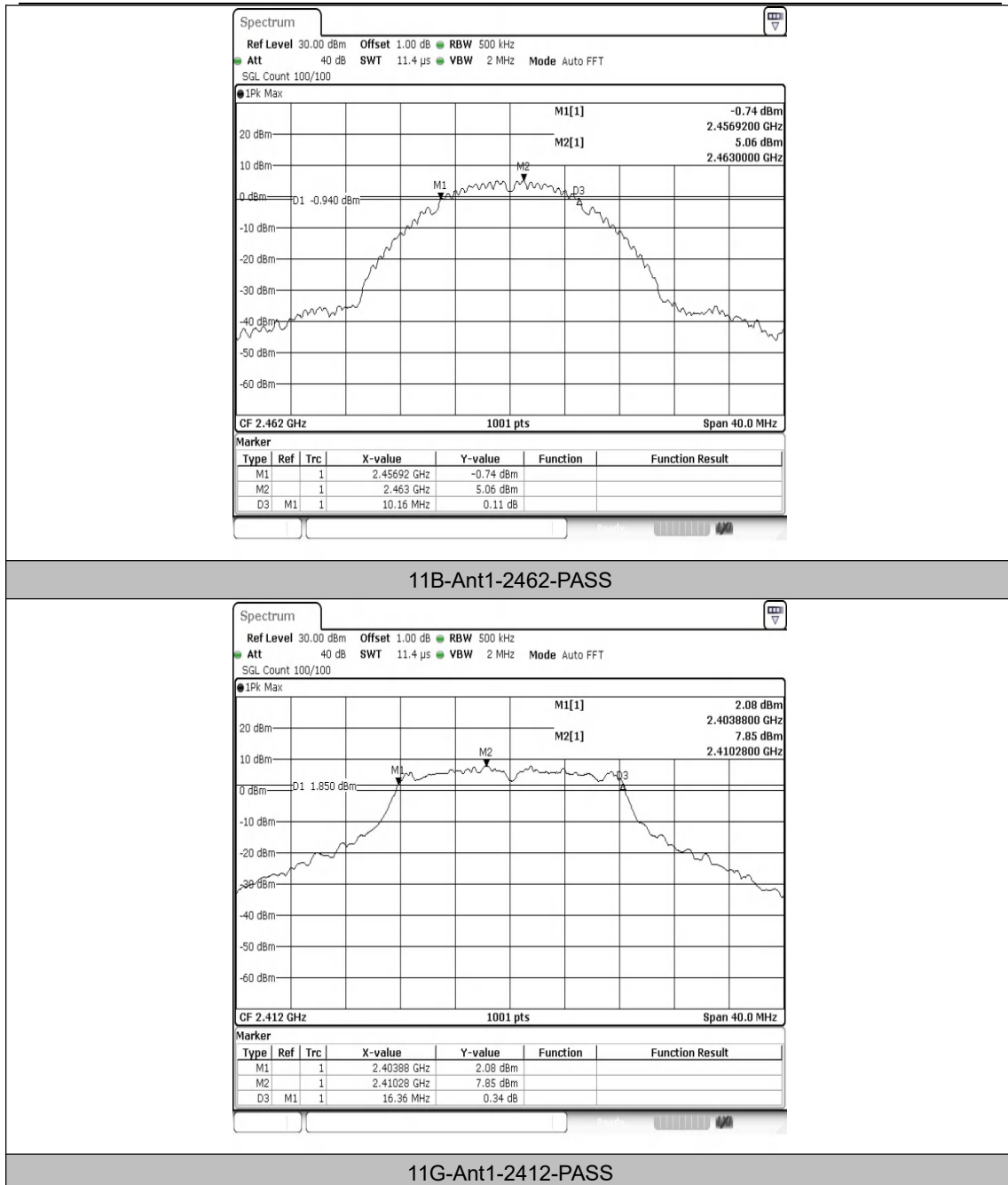
Test Result

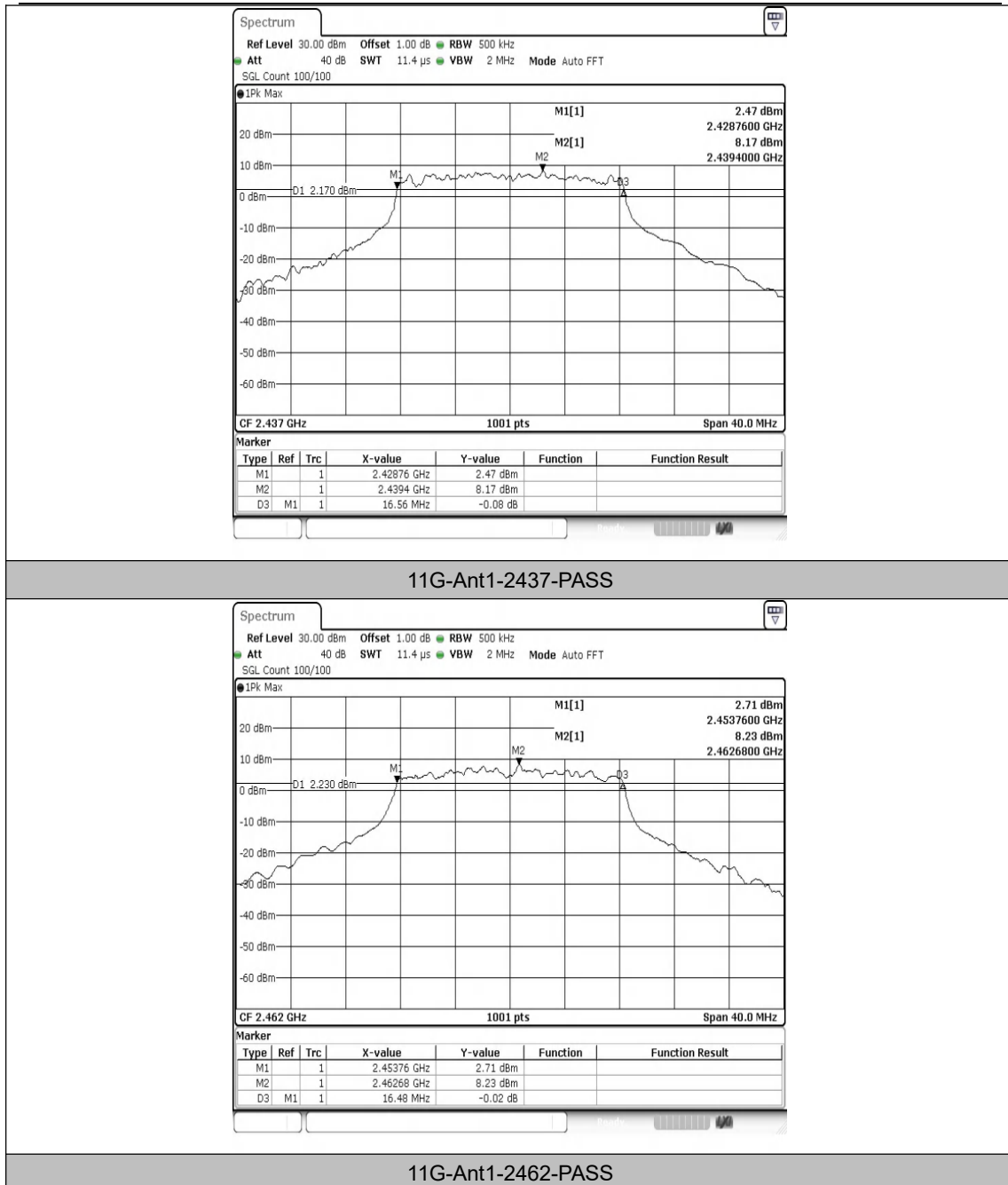
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.20	2406.92	2417.12	0.5	PASS
11B	Ant1	2437	10.20	2431.92	2442.12	0.5	PASS
11B	Ant1	2462	10.16	2456.92	2467.08	0.5	PASS
11G	Ant1	2412	16.36	2403.88	2420.24	0.5	PASS
11G	Ant1	2437	16.56	2428.76	2445.32	0.5	PASS
11G	Ant1	2462	16.48	2453.76	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.44	2403.24	2420.68	0.5	PASS
11N20SISO	Ant1	2437	17.52	2428.24	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.76	2453.08	2470.84	0.5	PASS
11N40SISO	Ant1	2422	36.16	2403.92	2440.08	0.5	PASS
11N40SISO	Ant1	2437	36.32	2418.84	2455.16	0.5	PASS
11N40SISO	Ant1	2452	36.24	2433.92	2470.16	0.5	PASS
11AX20SISO	Ant1	2412	18.76	2402.68	2421.44	0.5	PASS
11AX20SISO	Ant1	2437	19.12	2427.44	2446.56	0.5	PASS
11AX20SISO	Ant1	2462	18.08	2452.68	2470.76	0.5	PASS
11AX40SISO	Ant1	2422	37.52	2403.12	2420.00	0.5	PASS
11AX40SISO	Ant1	2437	37.68	2418.04	2455.72	0.5	PASS
11AX40SISO	Ant1	2452	37.44	2433.12	2470.56	0.5	PASS

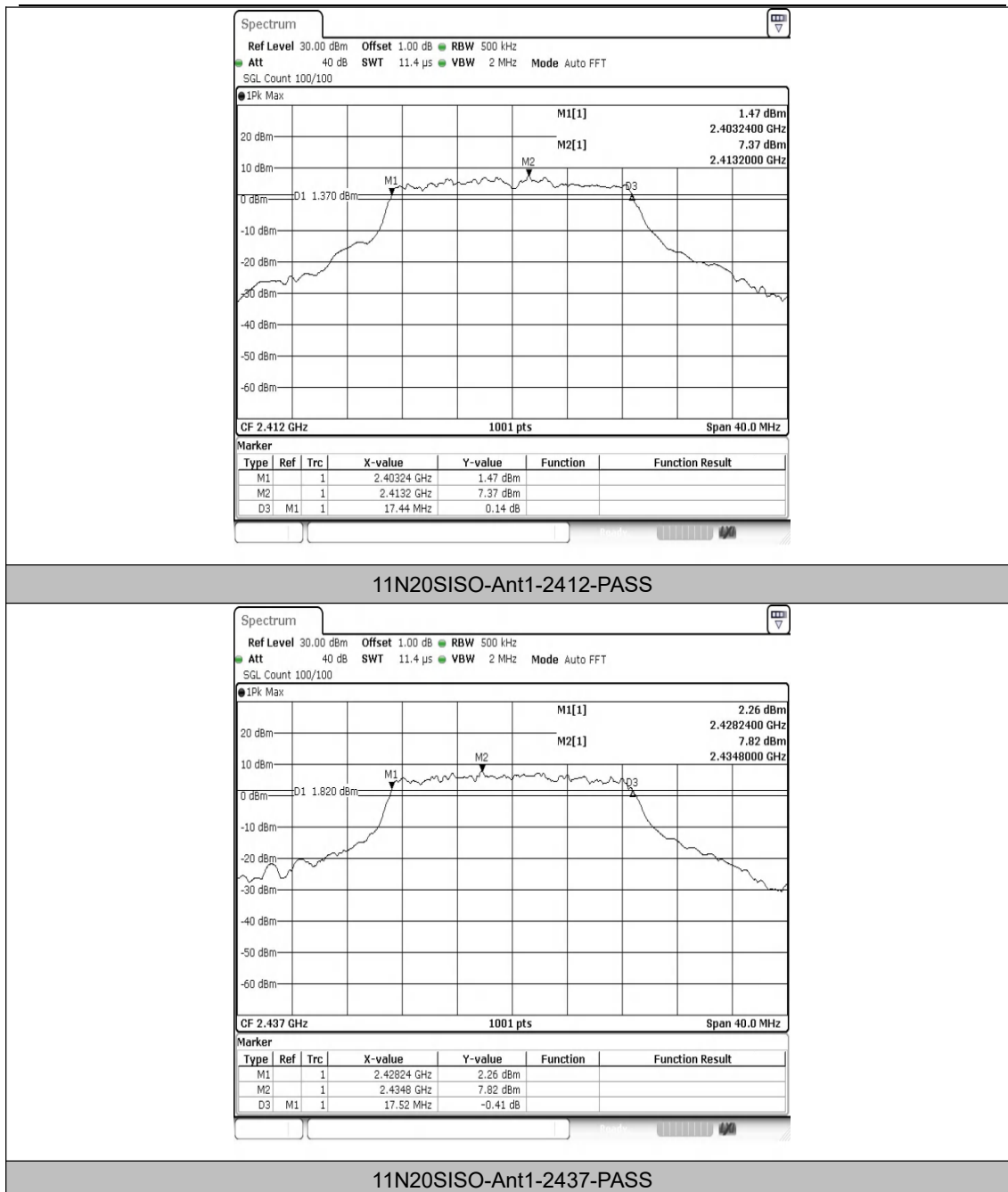


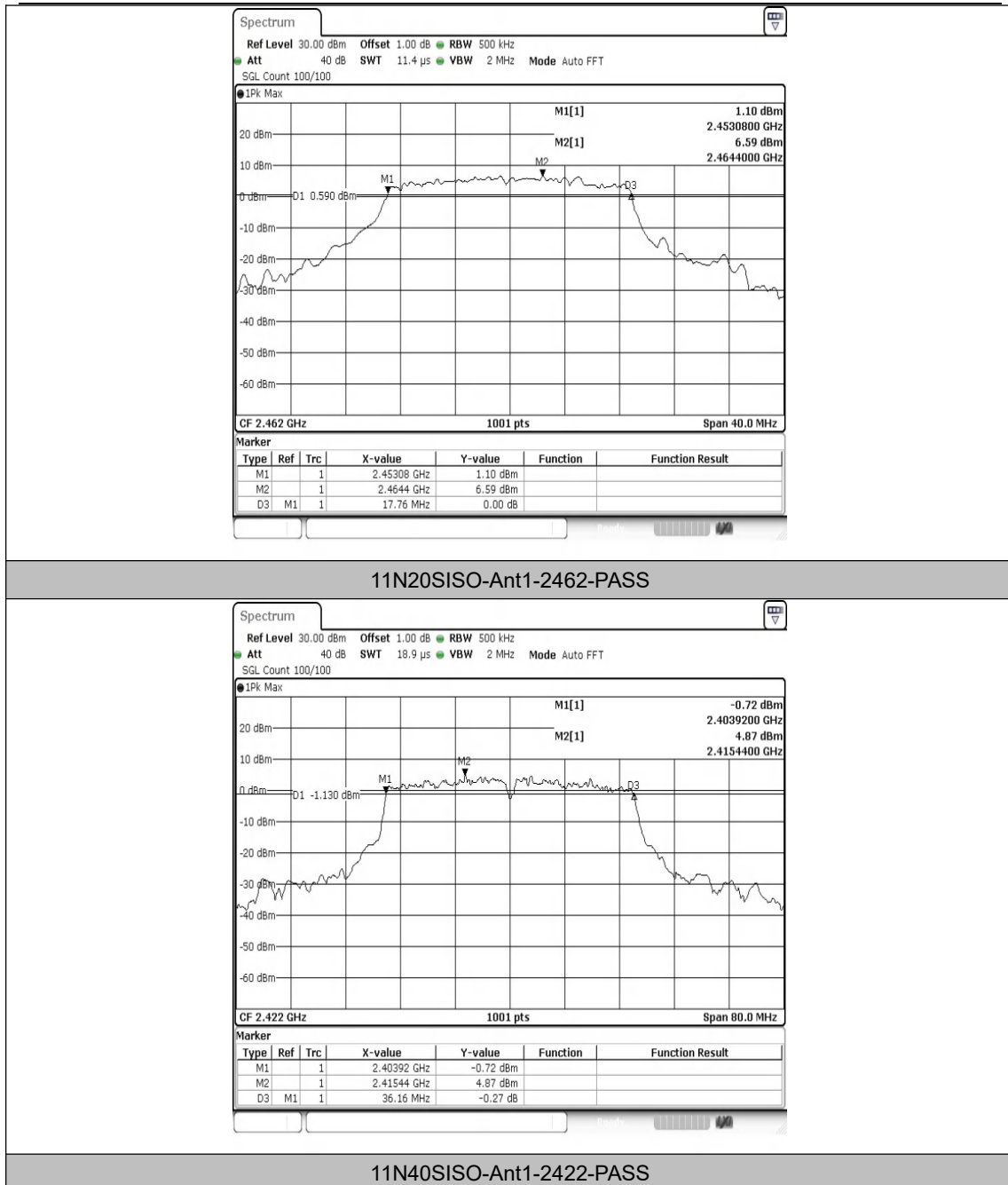
Test Graphs

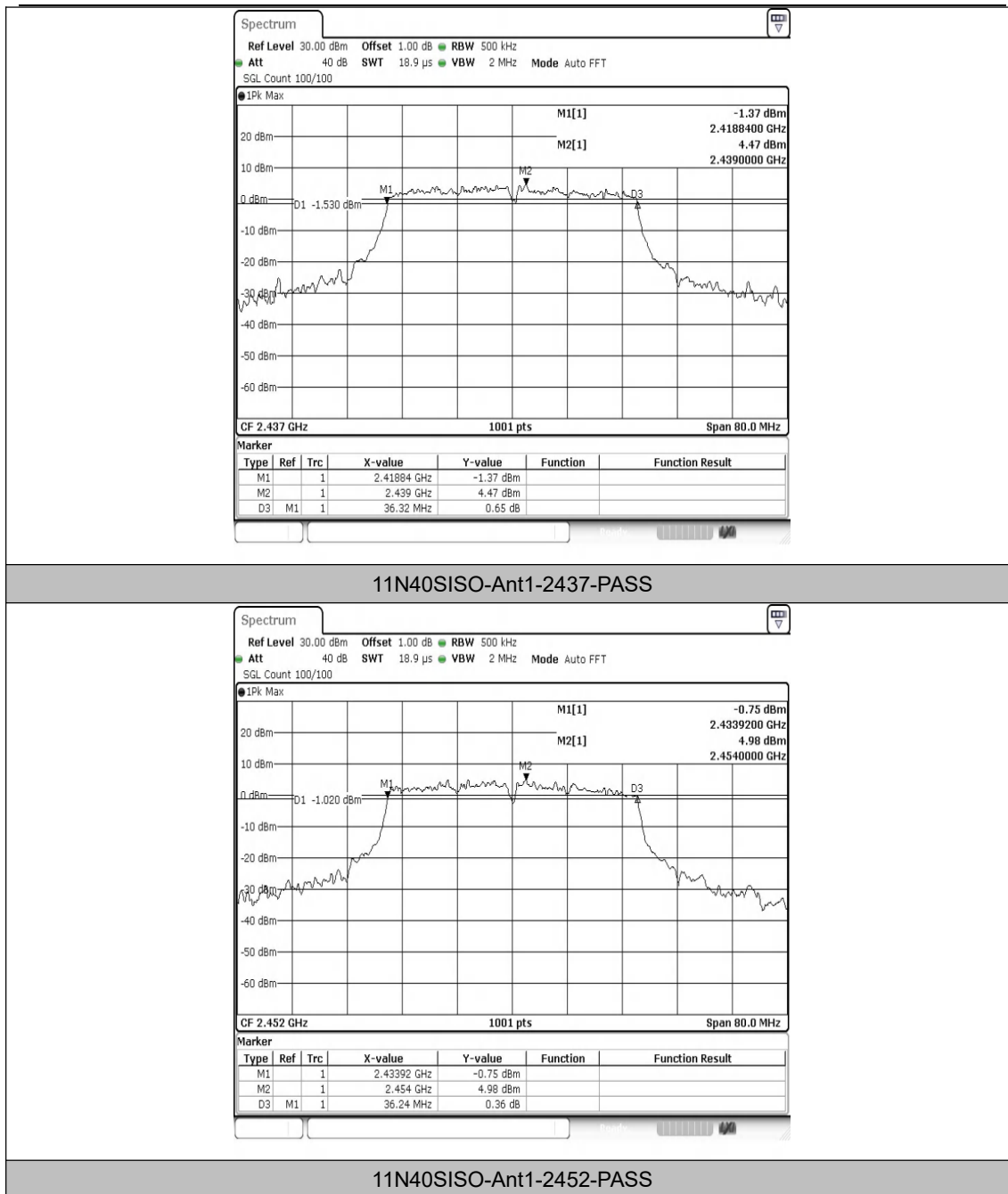








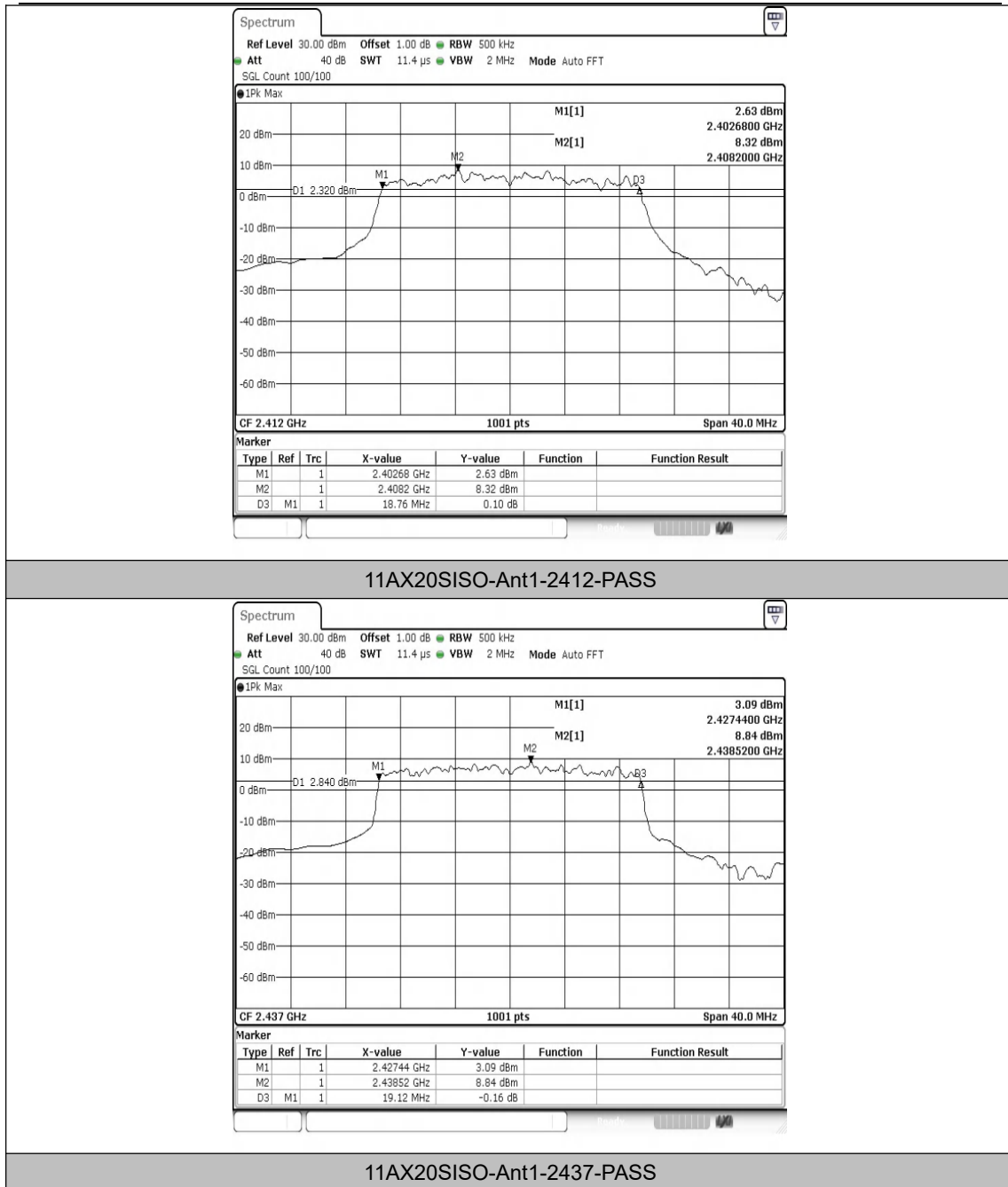


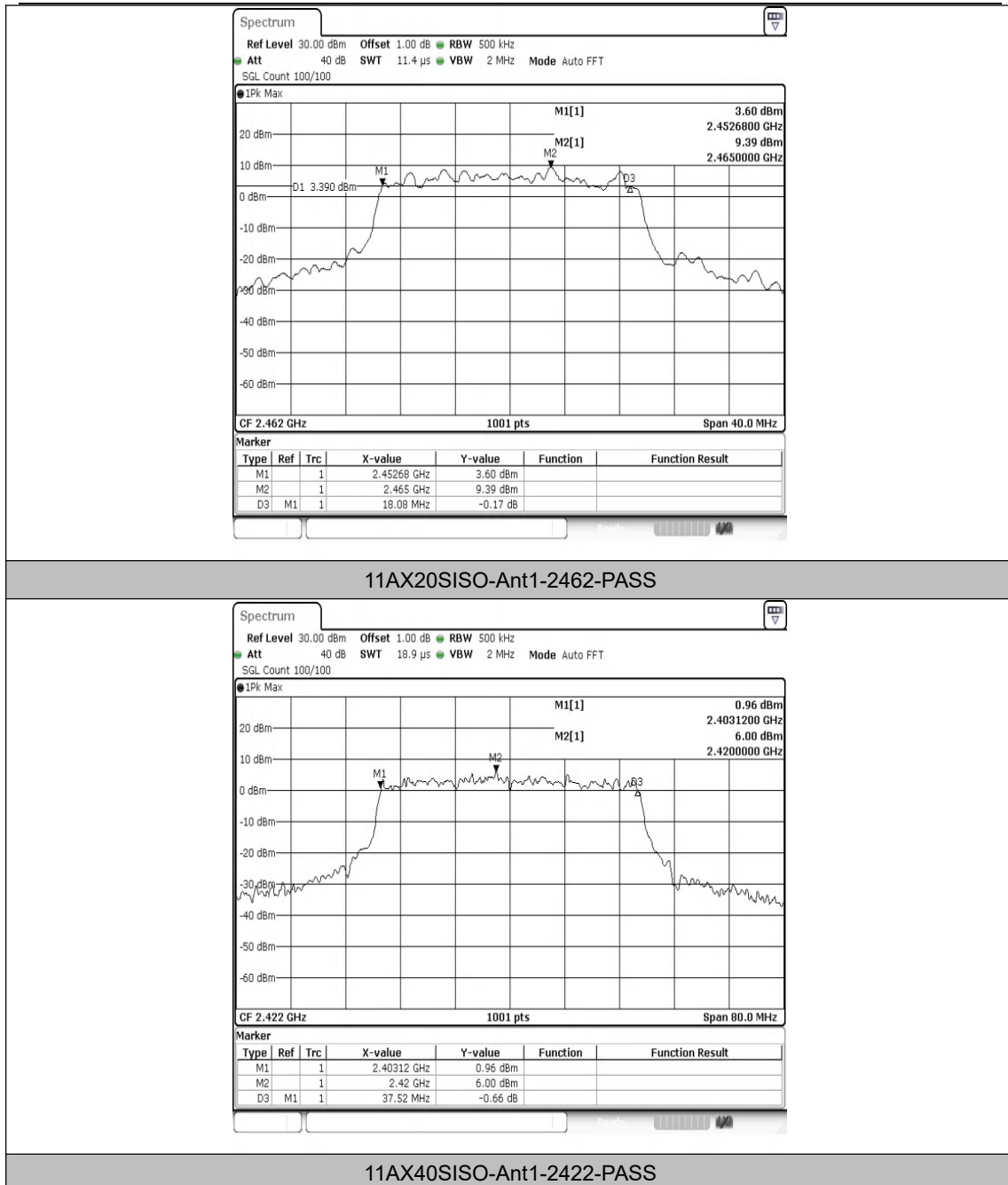


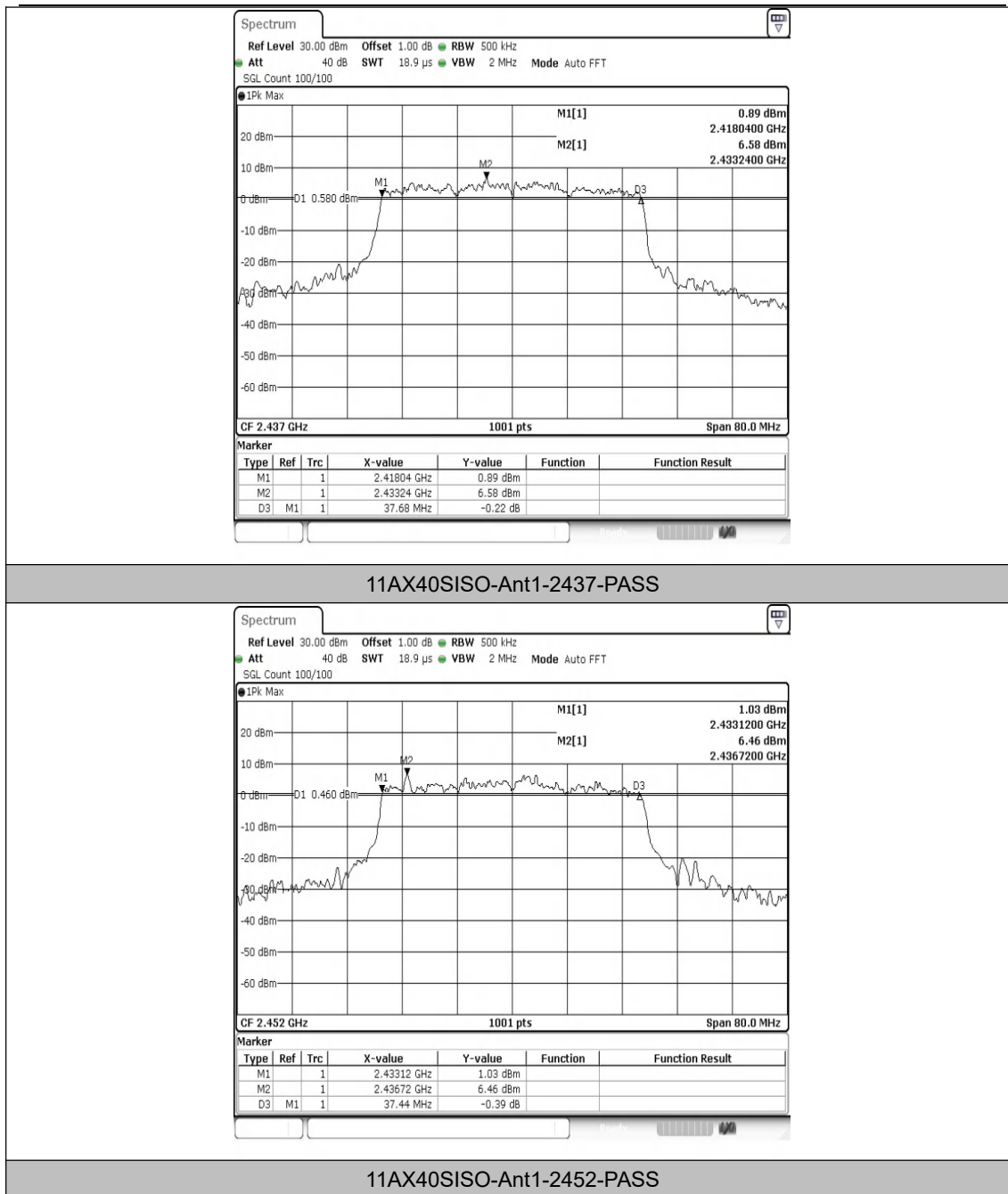
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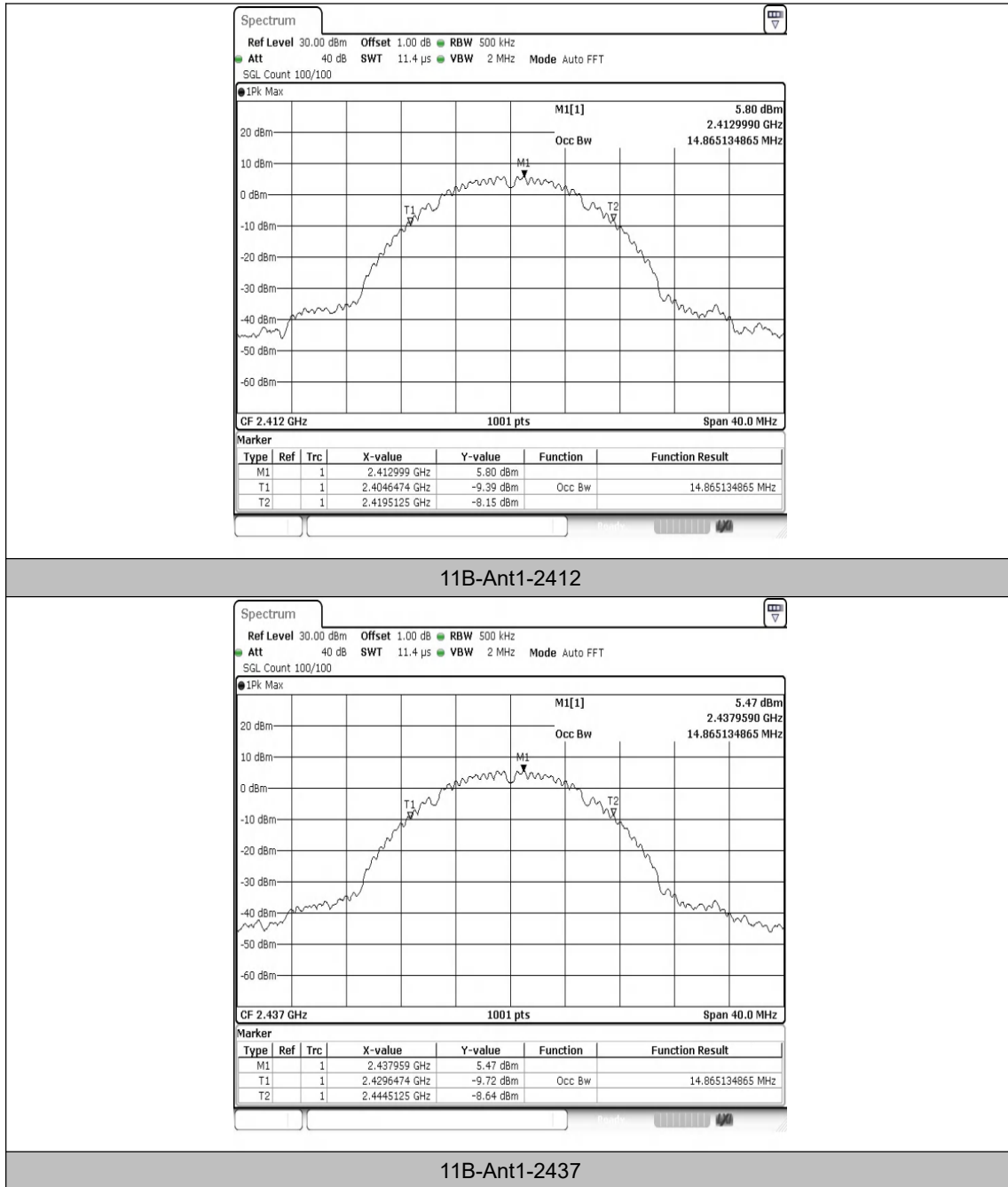
Appendix B: 99% Occupied Bandwidth

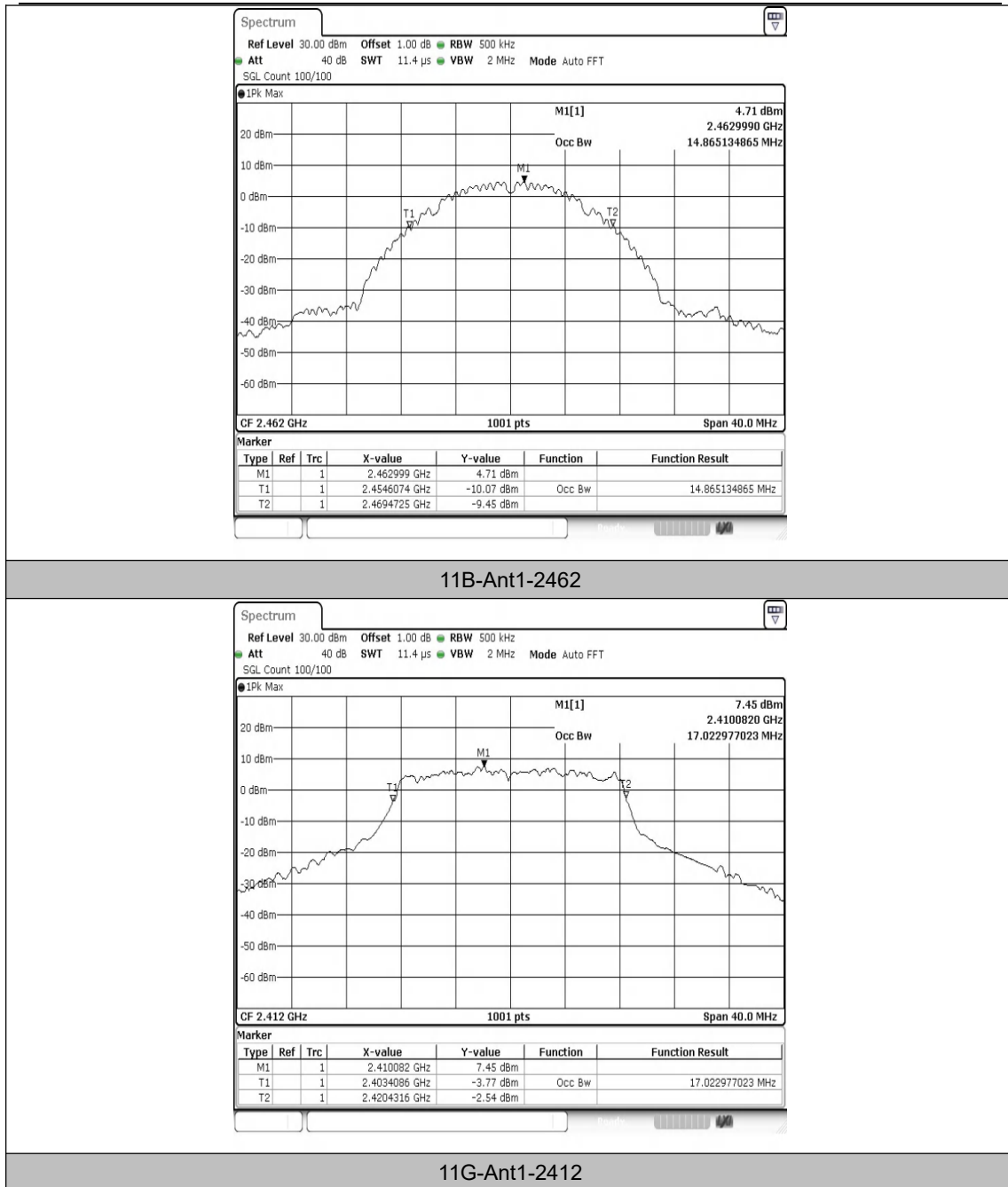
Test Result

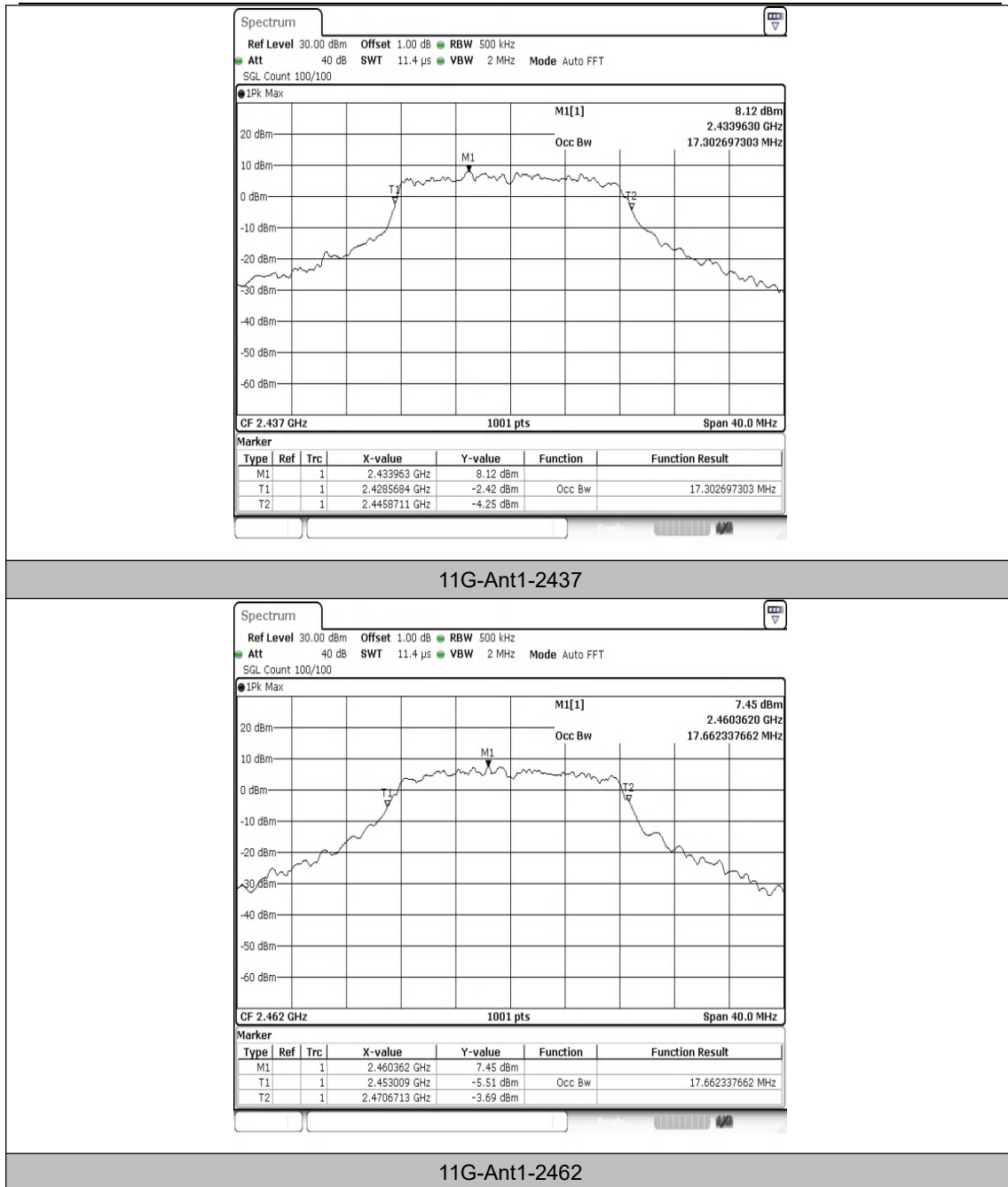
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.865	2404.6474	2419.5125
11B	Ant1	2437	14.865	2429.6474	2444.5125
11B	Ant1	2462	14.865	2454.6074	2469.4725
11G	Ant1	2412	17.023	2403.4086	2420.4316
11G	Ant1	2437	17.303	2428.5684	2445.8711
11G	Ant1	2462	17.662	2453.0090	2470.6713
11N20SISO	Ant1	2412	18.901	2402.2897	2421.1908
11N20SISO	Ant1	2437	18.302	2427.7293	2446.0310
11N20SISO	Ant1	2462	18.581	2452.6494	2471.2308
11N40SISO	Ant1	2422	36.523	2403.7782	2440.3017
11N40SISO	Ant1	2437	36.284	2418.7782	2455.0619
11N40SISO	Ant1	2452	36.364	2433.6983	2470.0619
11AX20SISO	Ant1	2412	19.181	2402.3297	2421.5105
11AX20SISO	Ant1	2437	19.101	2427.4496	2446.5504
11AX20SISO	Ant1	2462	19.341	2452.2498	2471.5904
11AX40SISO	Ant1	2422	38.042	2402.9790	2441.0210
11AX40SISO	Ant1	2437	37.962	2417.8991	2455.8611
11AX40SISO	Ant1	2452	37.882	2433.0589	2470.9411

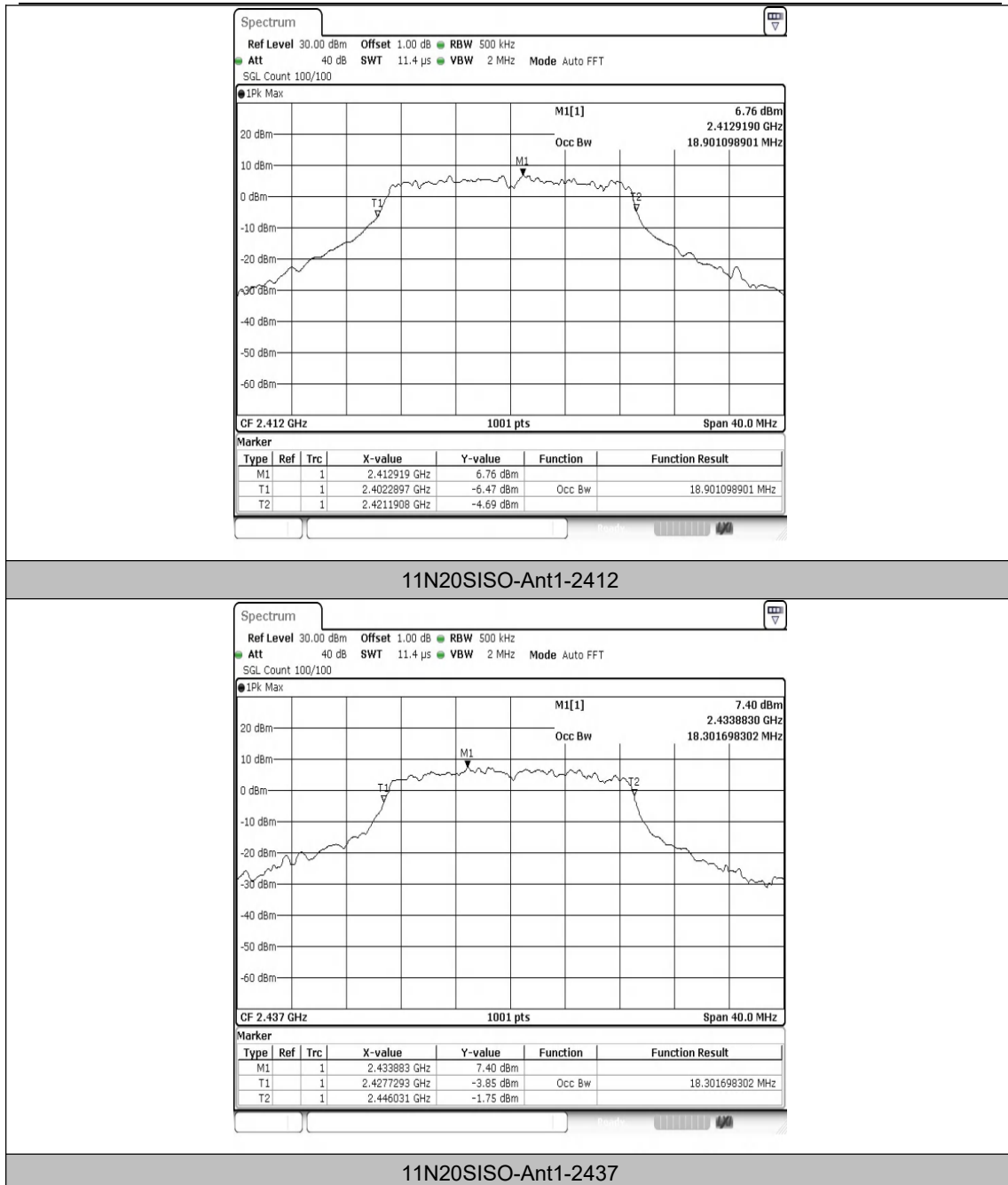


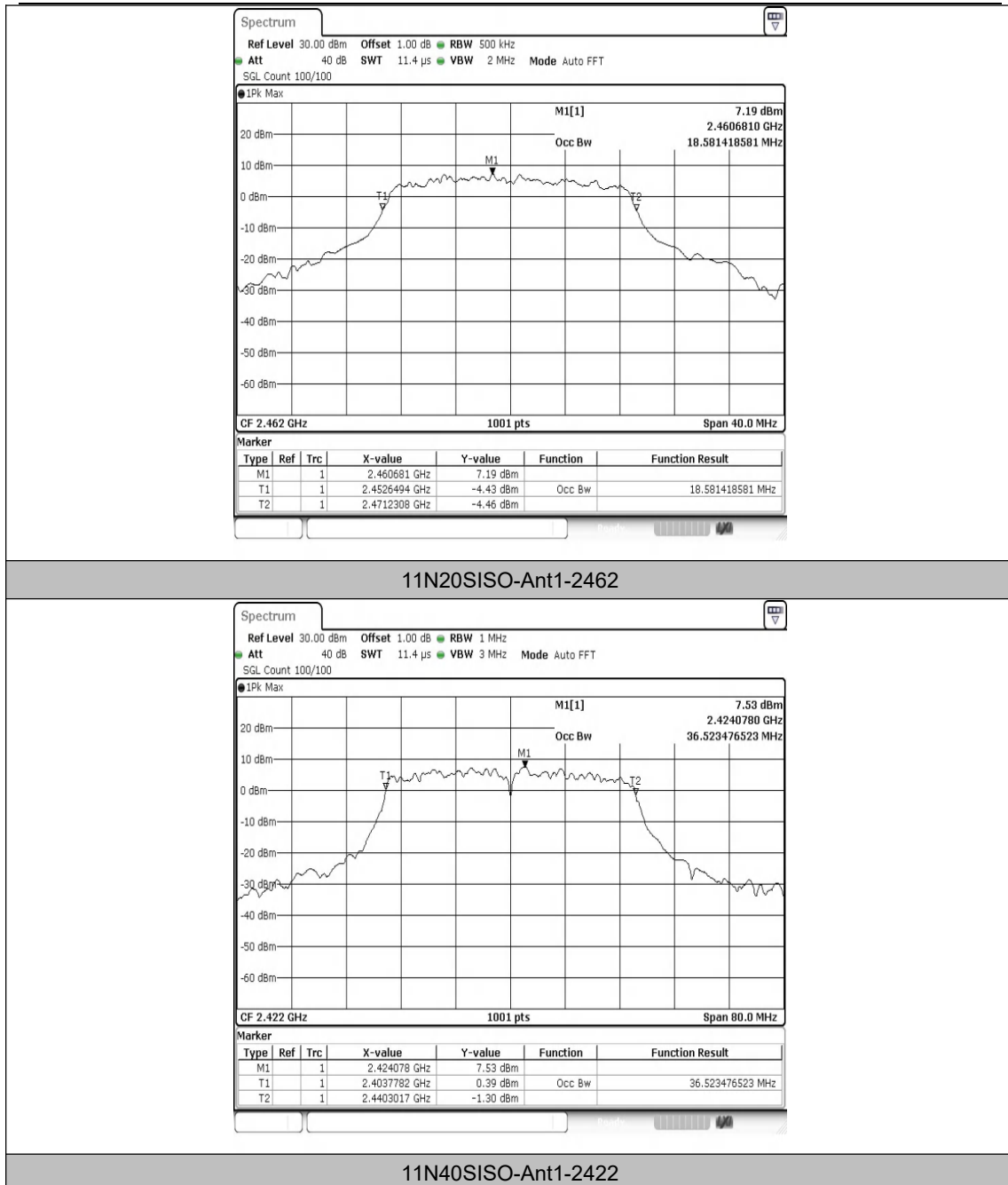
Test Graphs

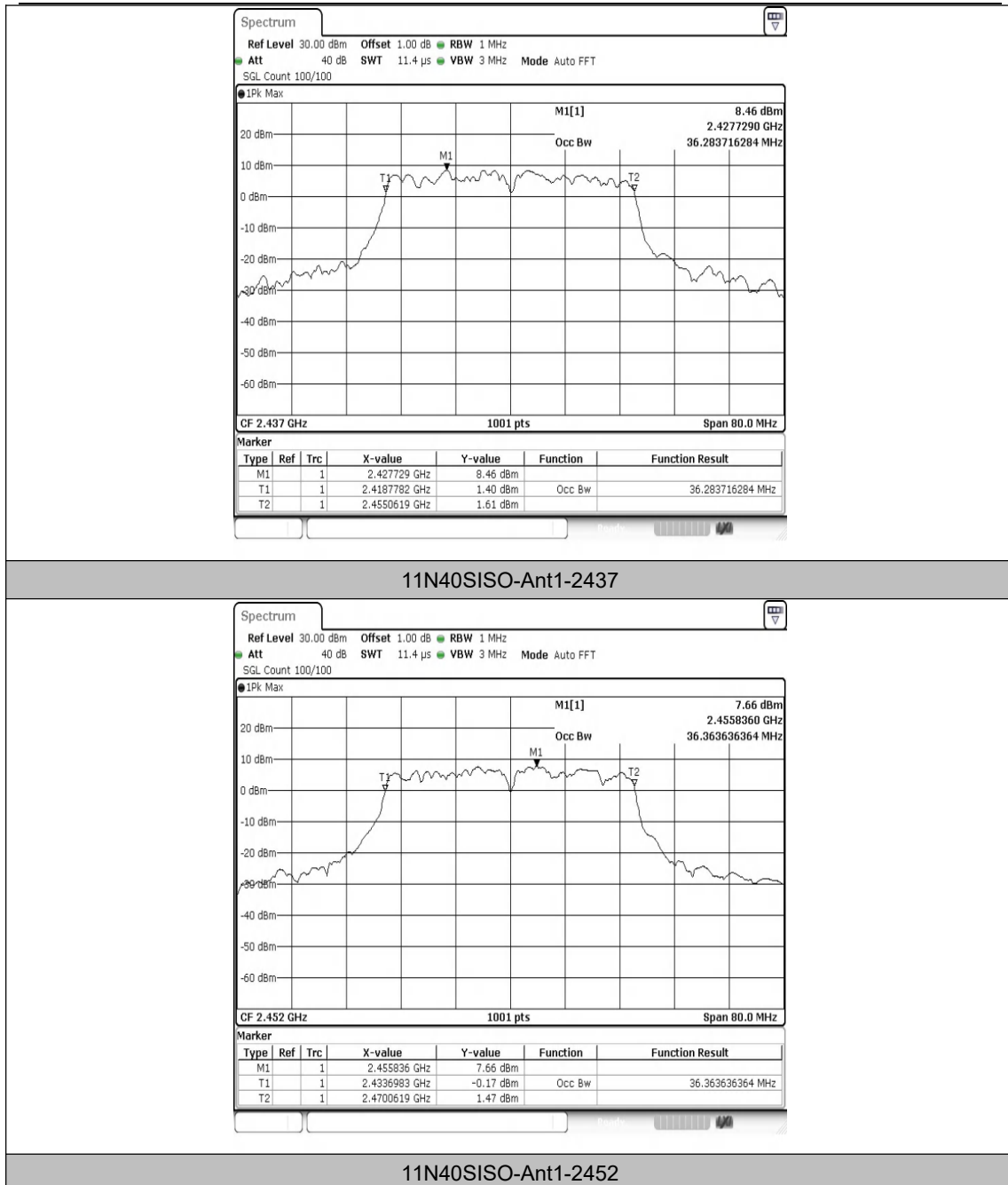


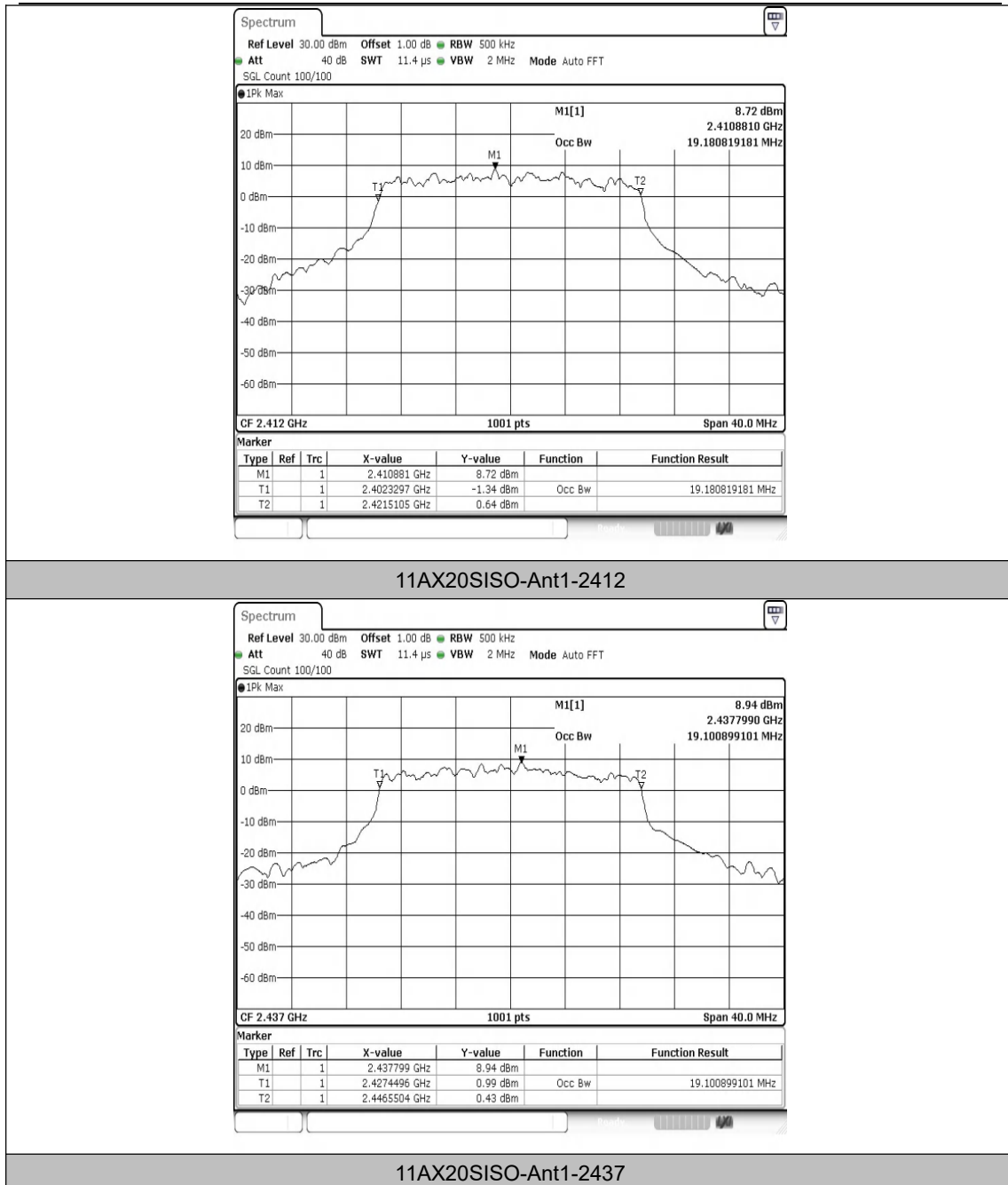


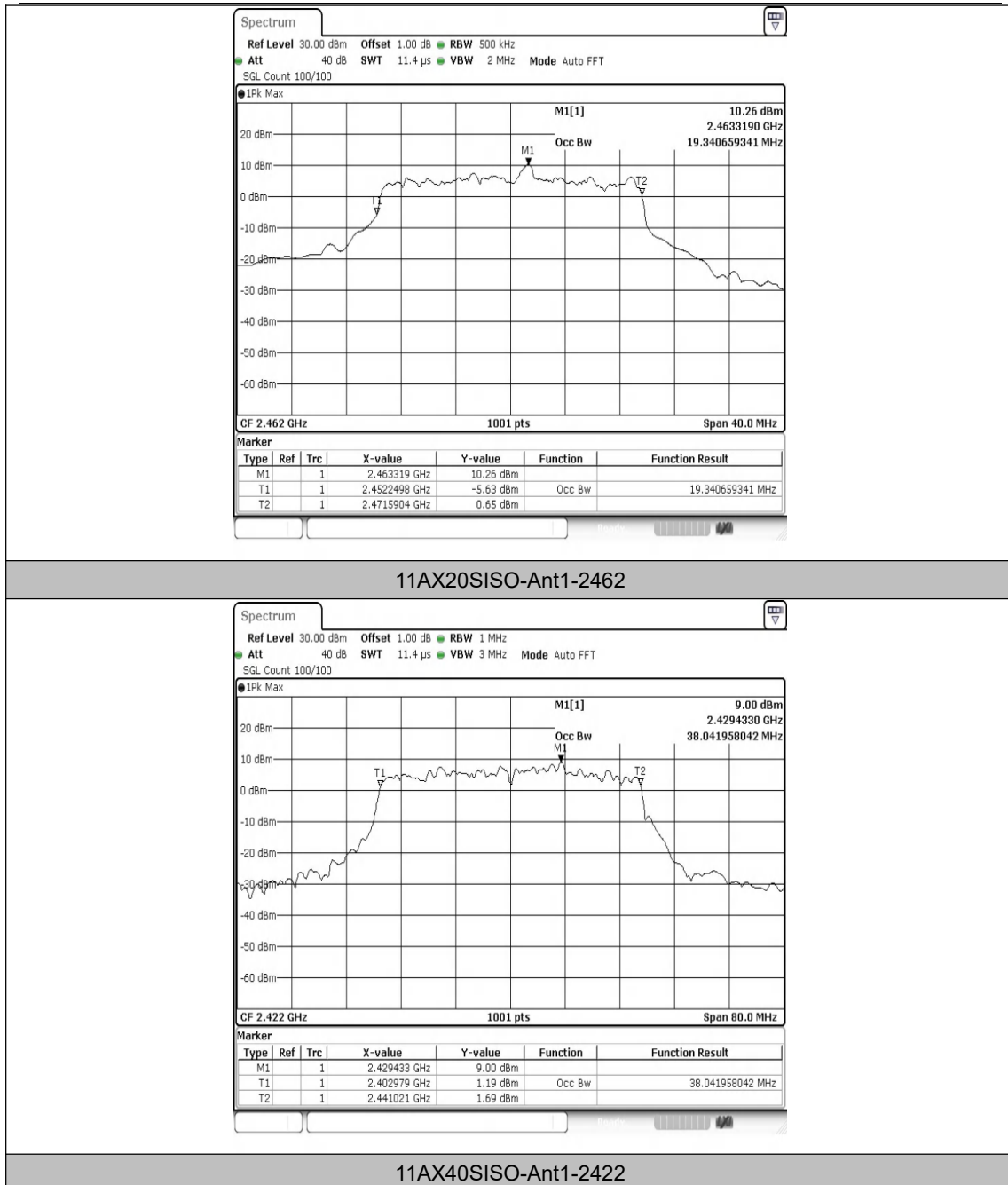








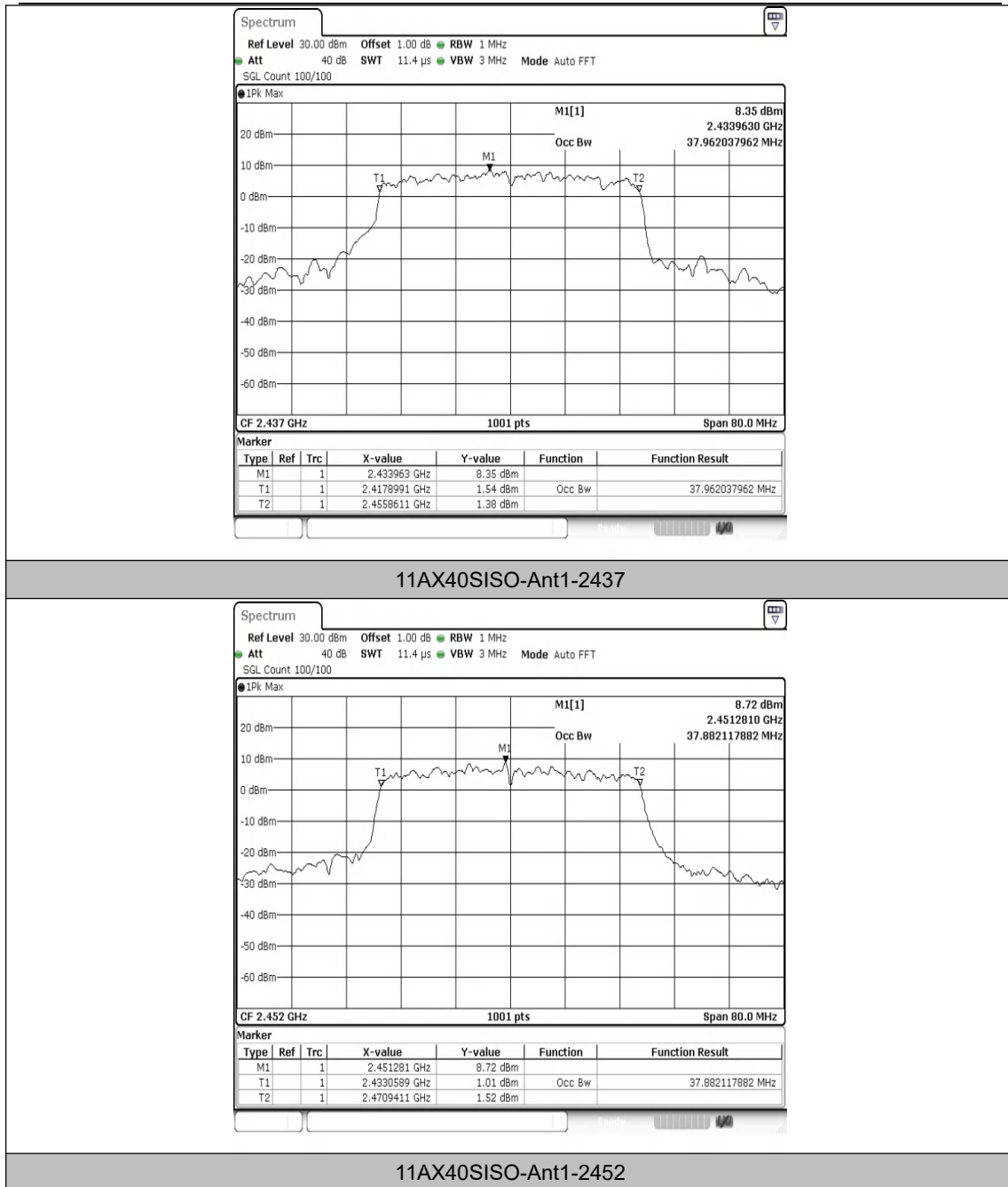




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Appendix C: Maximum conducted output power

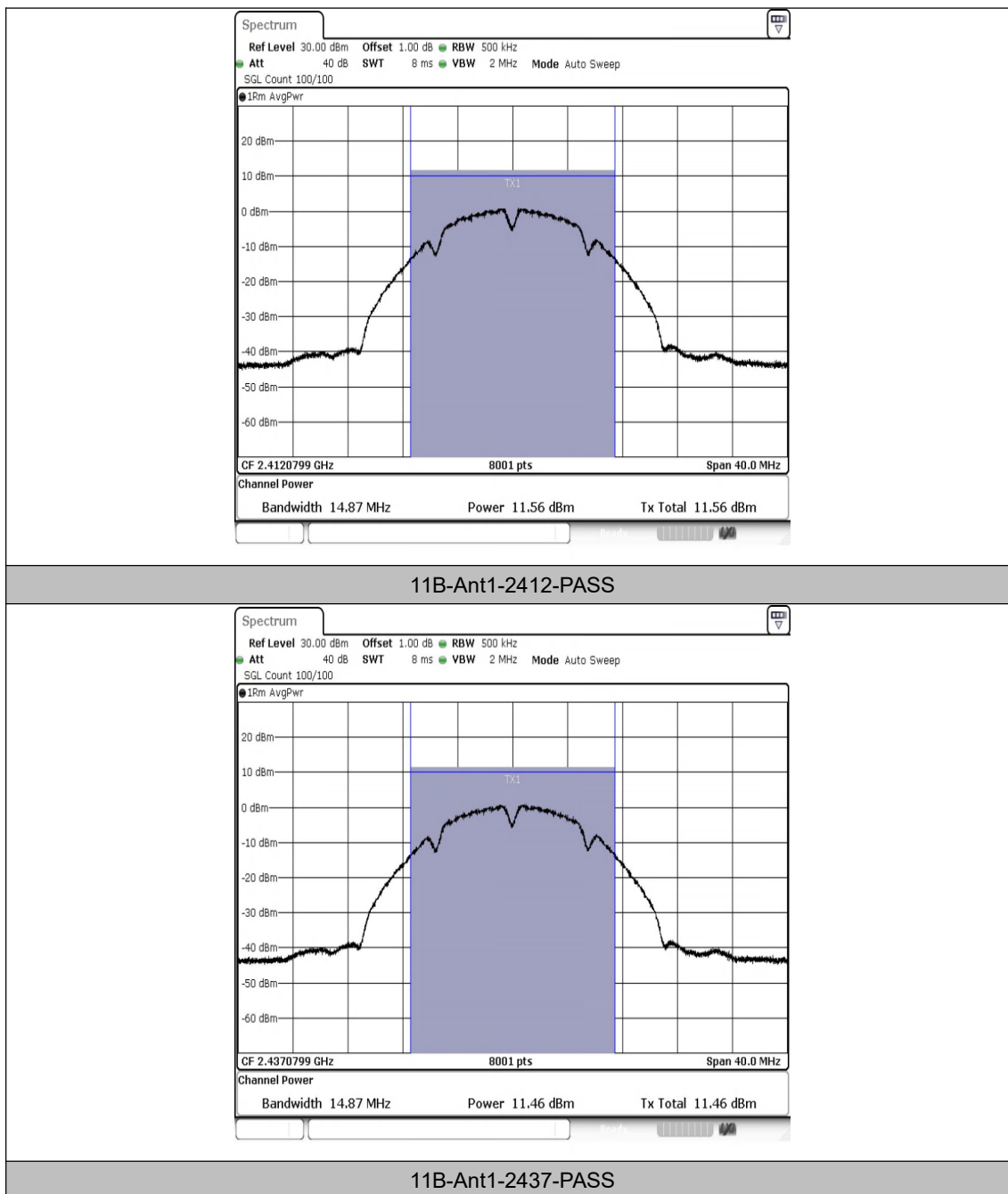
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	11.56	54.71	2.62	14.18	≤30.00	PASS
11B	Ant1	2437	NA	11.46	54.71	2.62	14.08	≤30.00	PASS
11B	Ant1	2462	NA	10.44	54.95	2.60	13.04	≤30.00	PASS
11G	Ant1	2412	NA	14.40	76.92	1.14	15.54	≤30.00	PASS
11G	Ant1	2437	NA	14.89	86.96	0.61	15.50	≤30.00	PASS
11G	Ant1	2462	NA	14.22	91.11	0.40	14.62	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.29	88.37	0.54	14.83	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.78	84.09	0.75	15.53	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.09	84.09	0.75	14.84	≤30.00	PASS
11N40SISO	Ant1	2422	NA	13.49	62.07	2.07	15.56	≤30.00	PASS
11N40SISO	Ant1	2437	NA	14.25	67.86	1.68	15.93	≤30.00	PASS
11N40SISO	Ant1	2452	NA	13.87	70.37	1.53	15.40	≤30.00	PASS
11AX20SISO	Ant1	2412	NA	14.10	61.22	2.13	16.23	≤30.00	PASS
11AX20SISO	Ant1	2437	NA	14.59	74.36	1.29	15.88	≤30.00	PASS
11AX20SISO	Ant1	2462	NA	13.91	85.29	0.69	14.60	≤30.00	PASS
11AX40SISO	Ant1	2422	NA	13.35	60.00	2.22	15.57	≤30.00	PASS
11AX40SISO	Ant1	2437	NA	14.10	55.56	2.55	16.65	≤30.00	PASS
11AX40SISO	Ant1	2452	NA	13.43	84.65	0.72	14.15	≤30.00	PASS

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



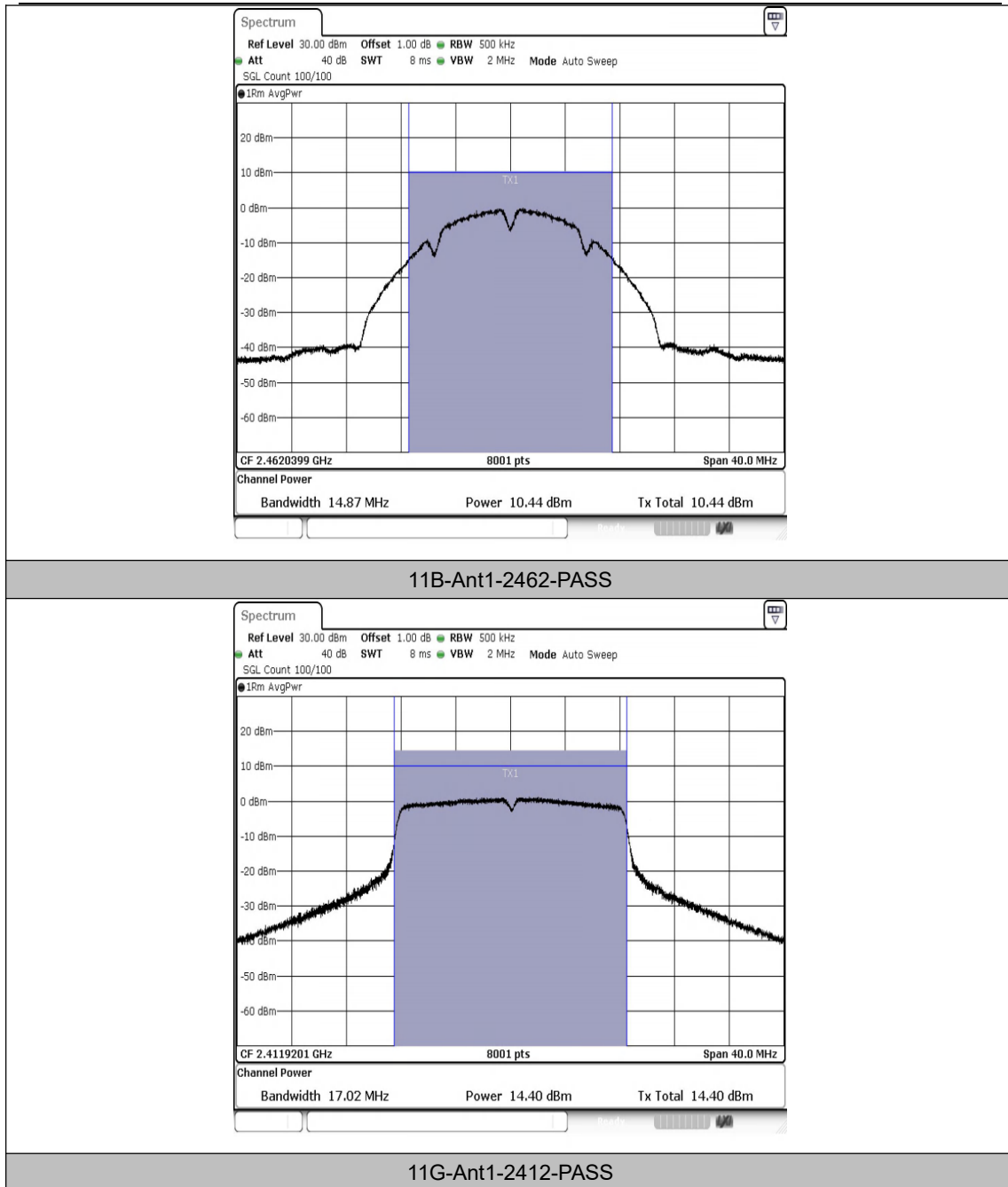
Test Graphs Average



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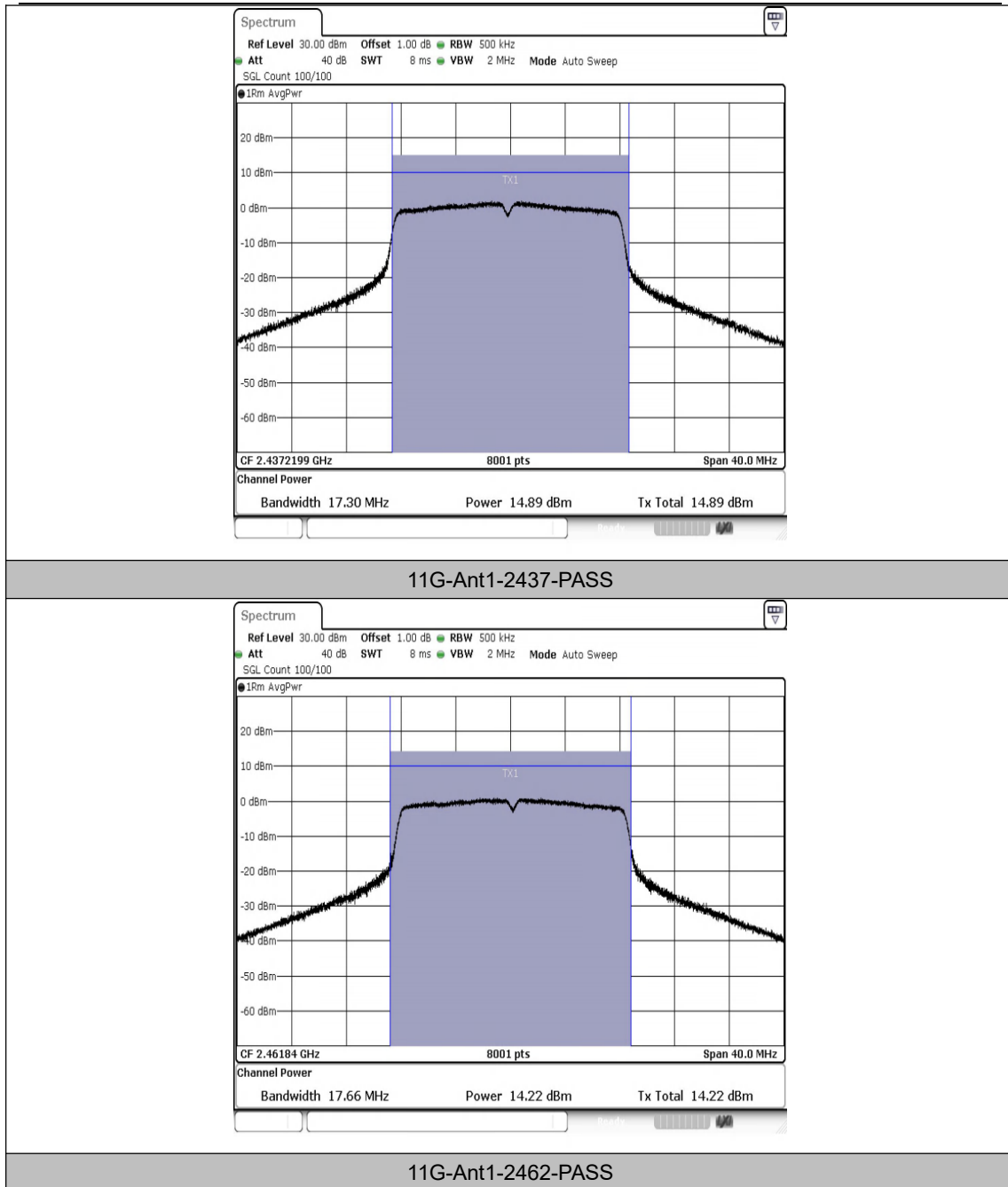
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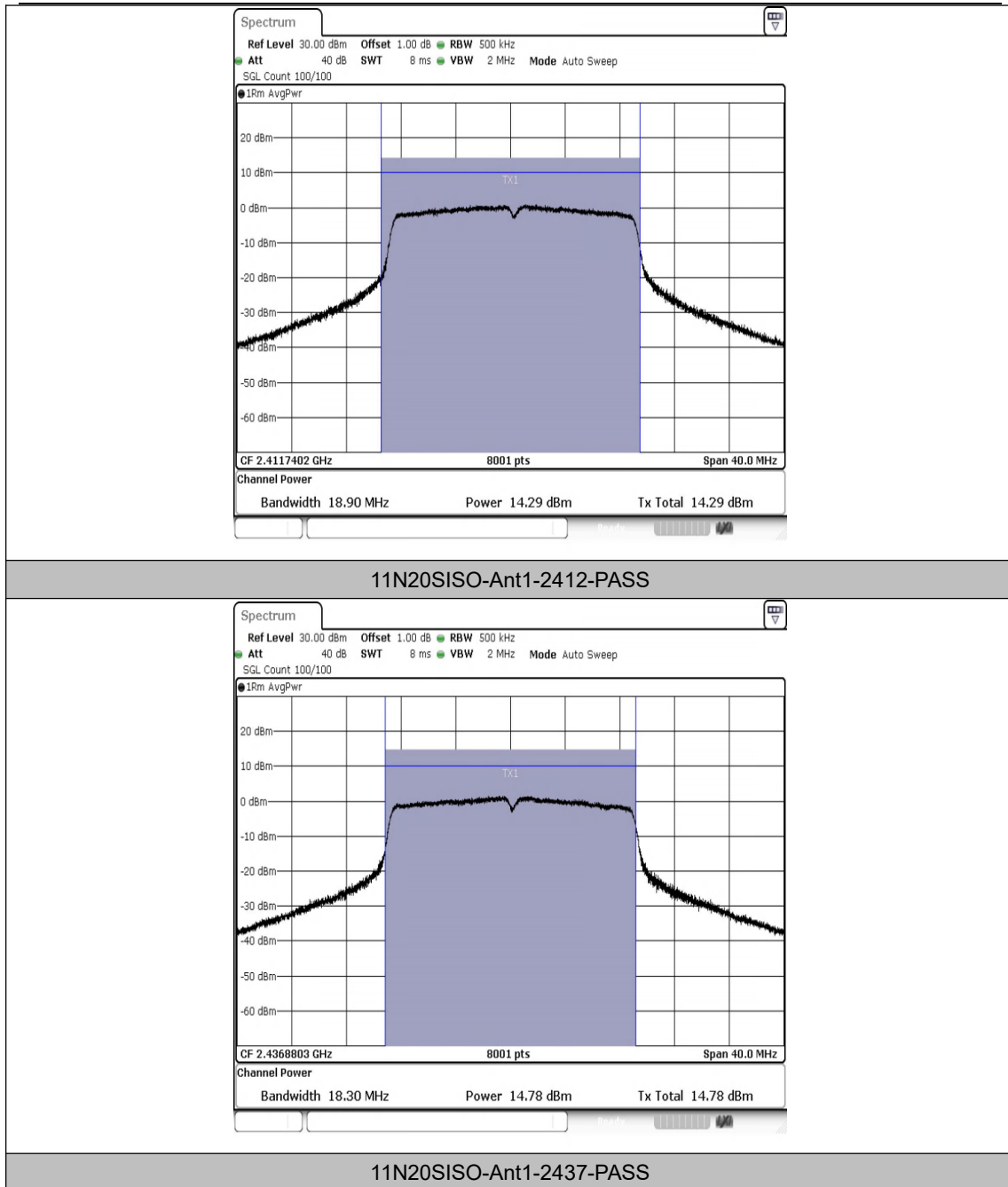


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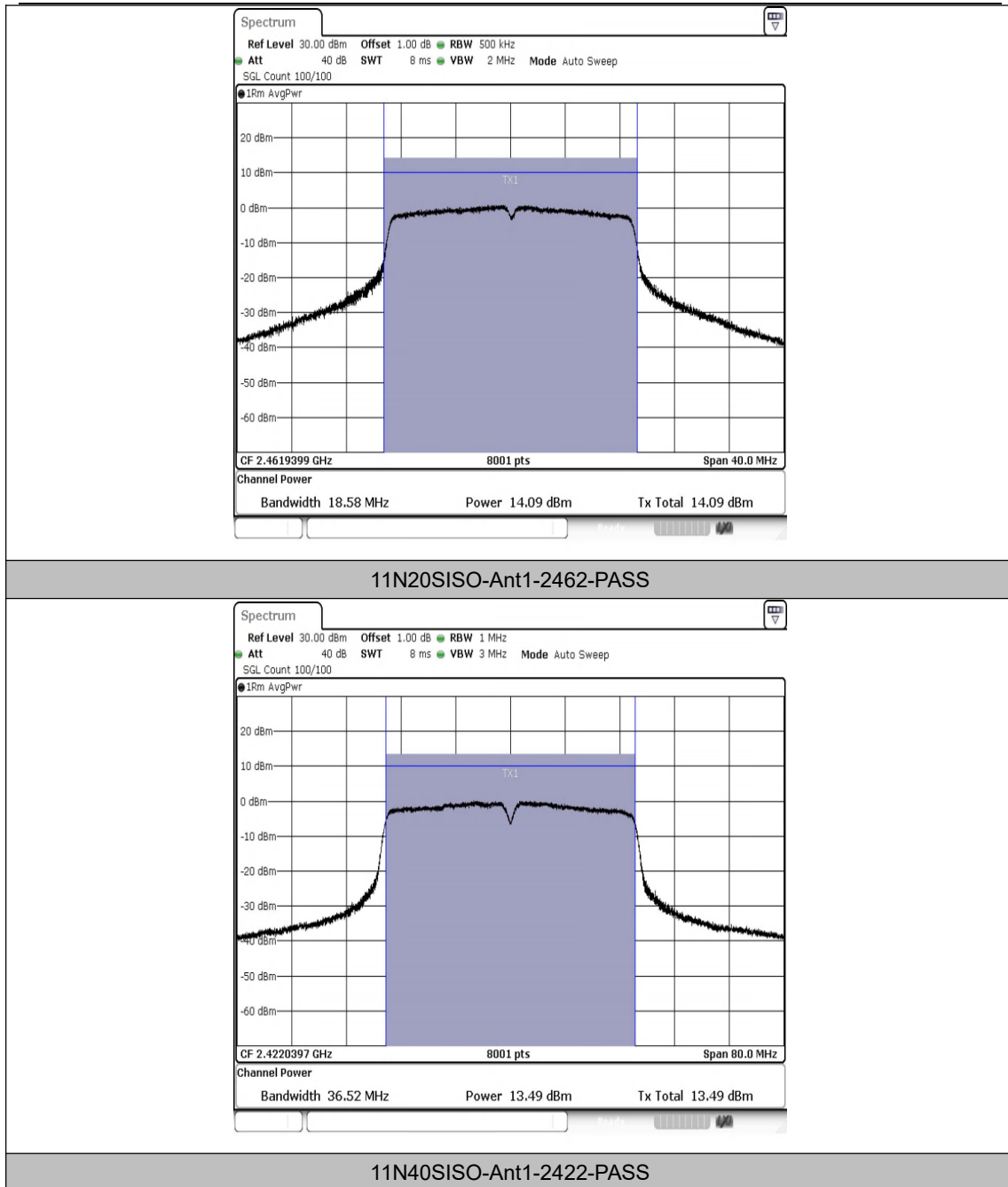




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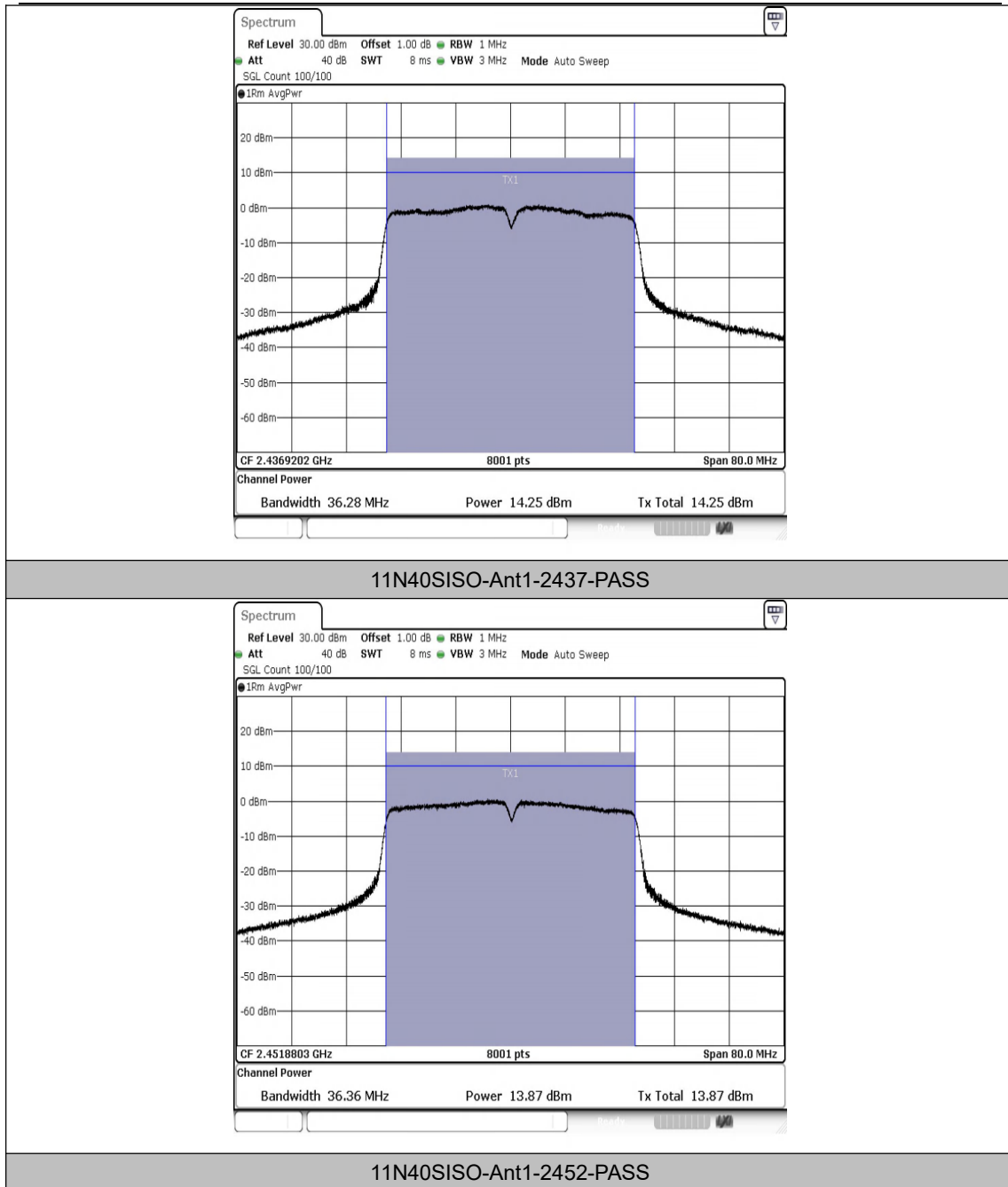
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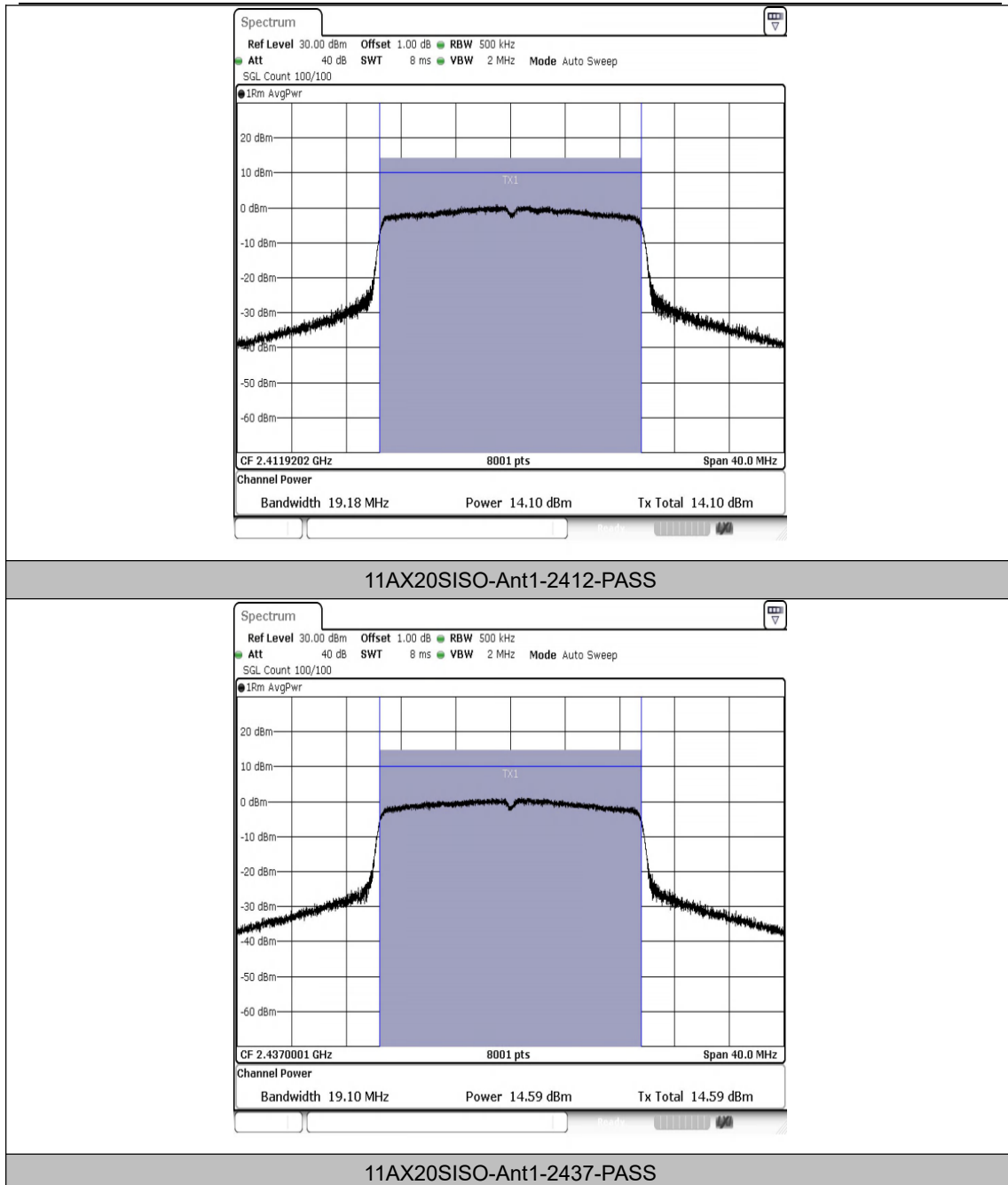


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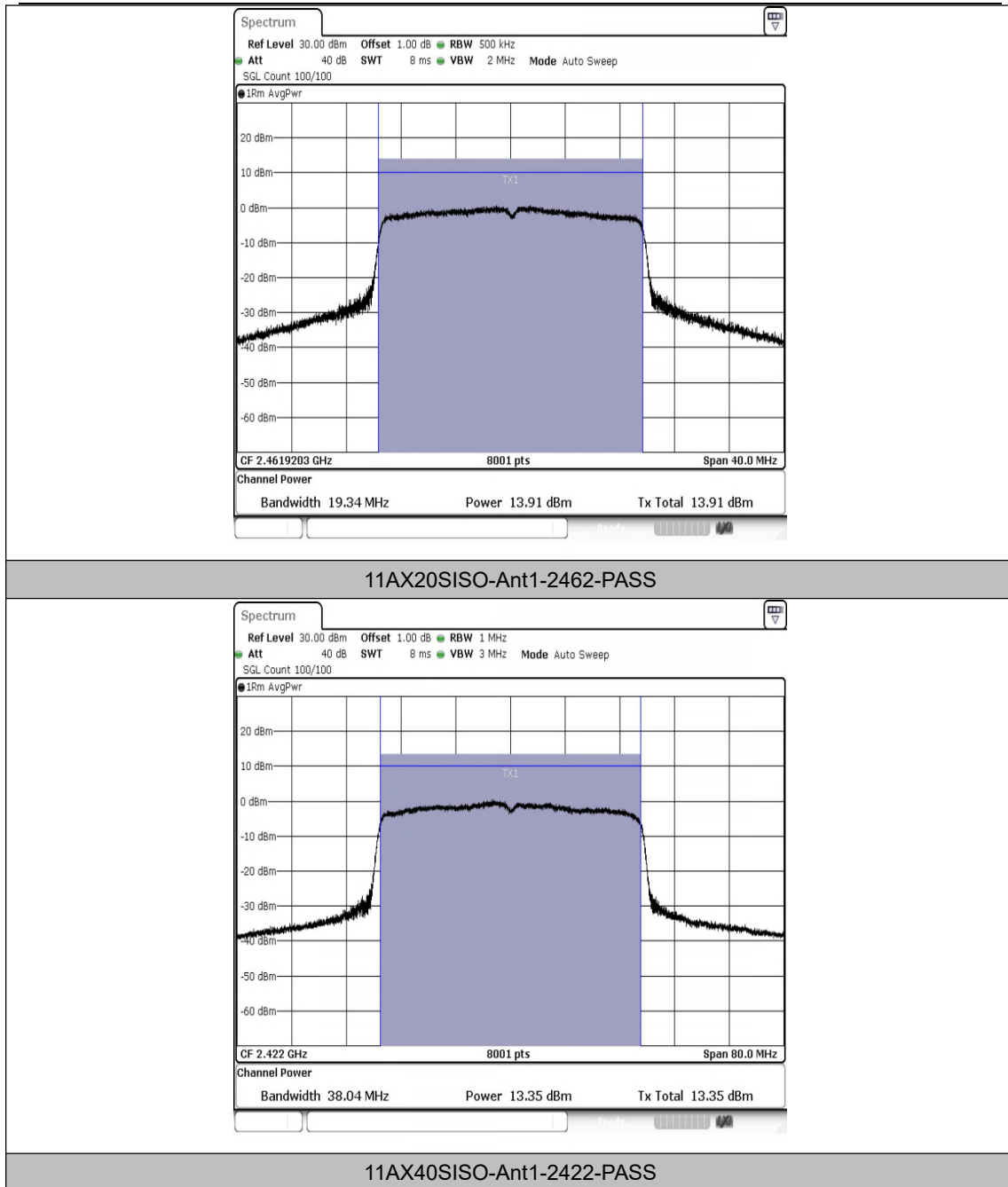


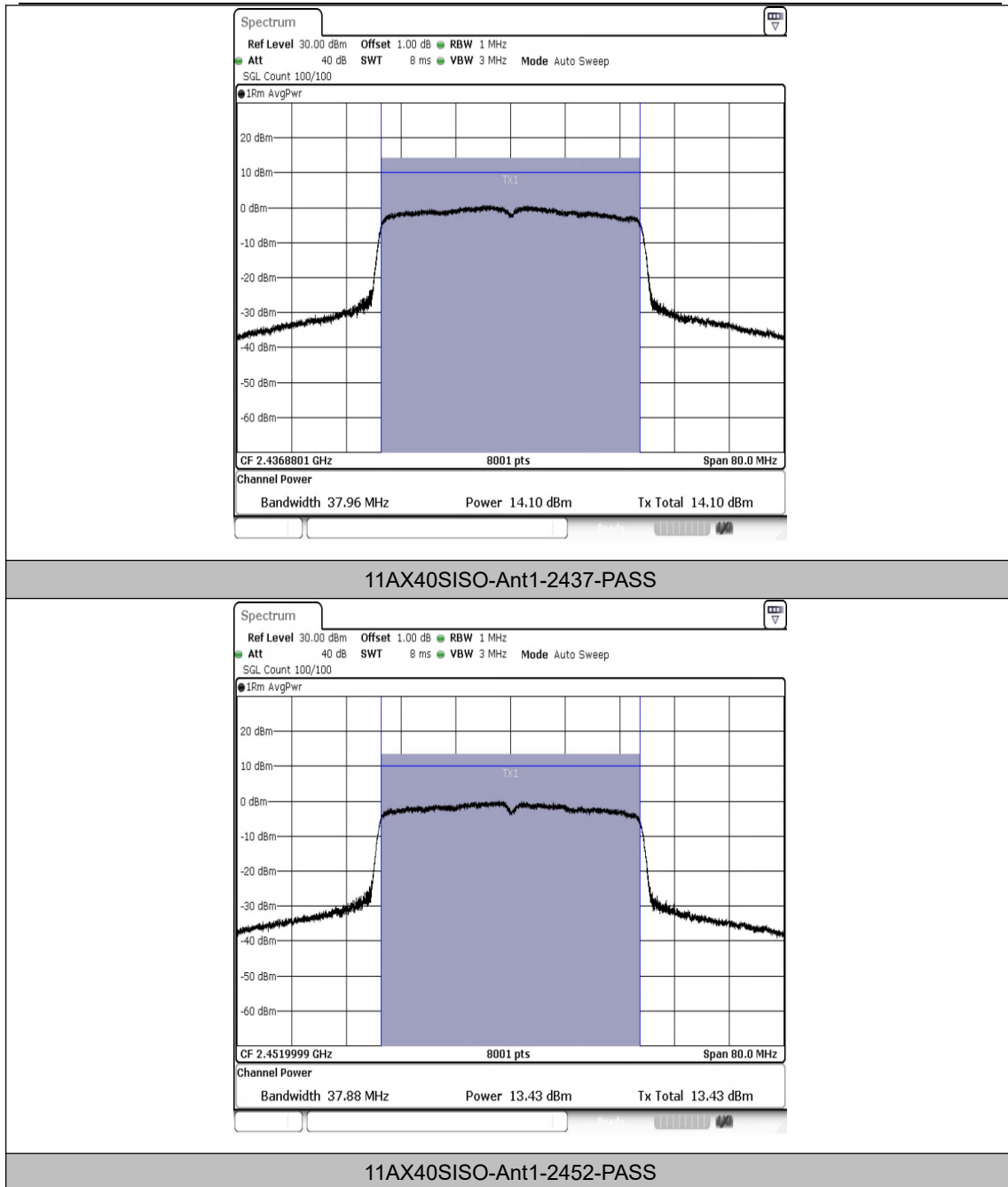


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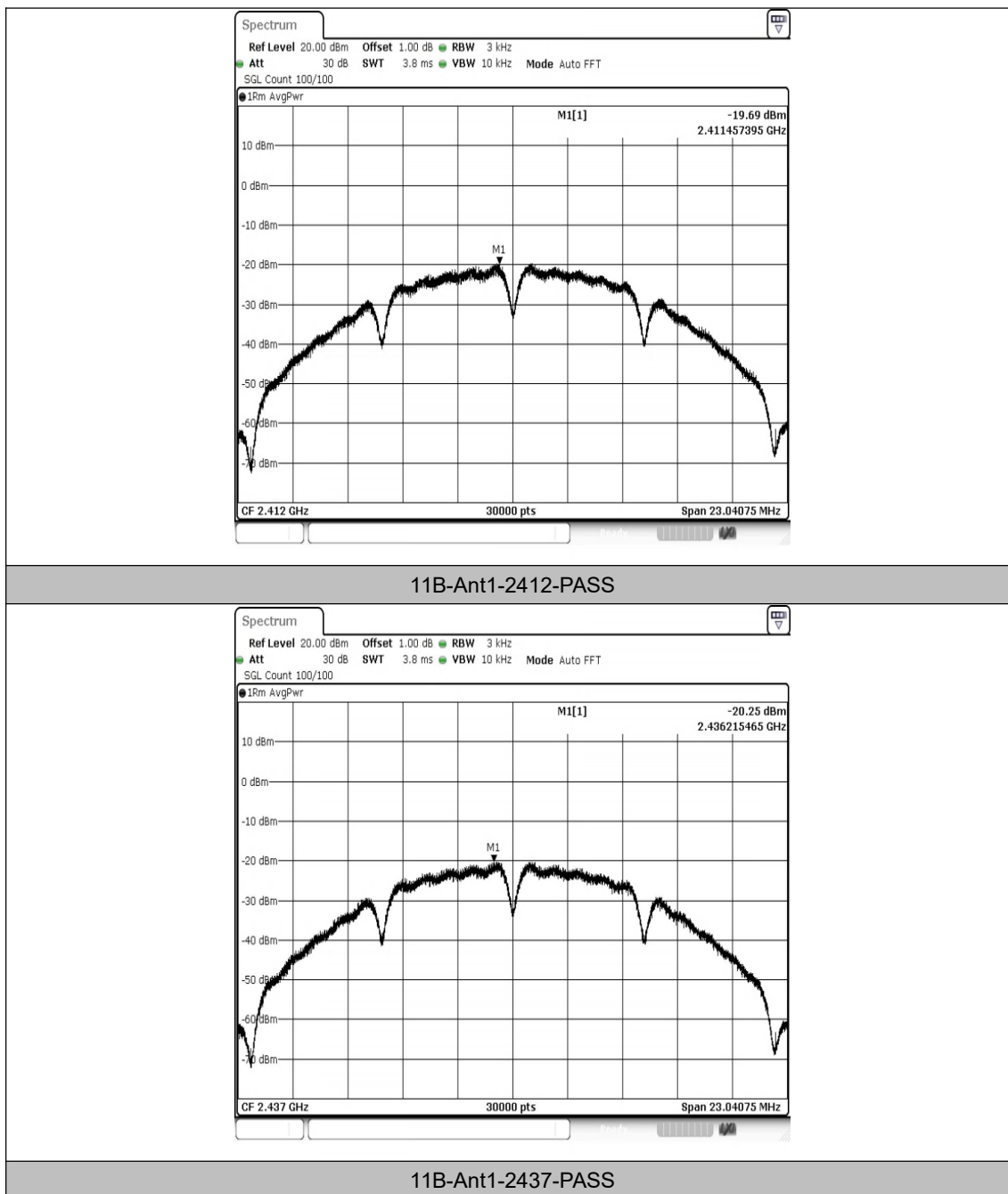
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-19.69	2.62	-17.07	≤8.00	PASS
11B	Ant1	2437	-20.25	2.62	-17.63	≤8.00	PASS
11B	Ant1	2462	-20.89	2.60	-18.29	≤8.00	PASS
11G	Ant1	2412	-18.96	1.14	-17.82	≤8.00	PASS
11G	Ant1	2437	-18.38	0.61	-17.77	≤8.00	PASS
11G	Ant1	2462	-19.37	0.40	-18.97	≤8.00	PASS
11N20SISO	Ant1	2412	-18.84	0.54	-18.30	≤8.00	PASS
11N20SISO	Ant1	2437	-19.02	0.75	-18.27	≤8.00	PASS
11N20SISO	Ant1	2462	-19.66	0.75	-18.91	≤8.00	PASS
11N40SISO	Ant1	2422	-21.77	2.07	-19.70	≤8.00	PASS
11N40SISO	Ant1	2437	-21.37	1.68	-19.69	≤8.00	PASS
11N40SISO	Ant1	2452	-21.23	1.53	-19.70	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.04	2.13	-16.91	≤8.00	PASS
11AX20SISO	Ant1	2437	-17.79	1.29	-16.50	≤8.00	PASS
11AX20SISO	Ant1	2462	-18.65	0.69	-17.96	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.56	2.22	-19.34	≤8.00	PASS
11AX40SISO	Ant1	2437	-20.41	2.55	-17.86	≤8.00	PASS
11AX40SISO	Ant1	2452	-19.89	0.72	-19.17	≤8.00	PASS

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

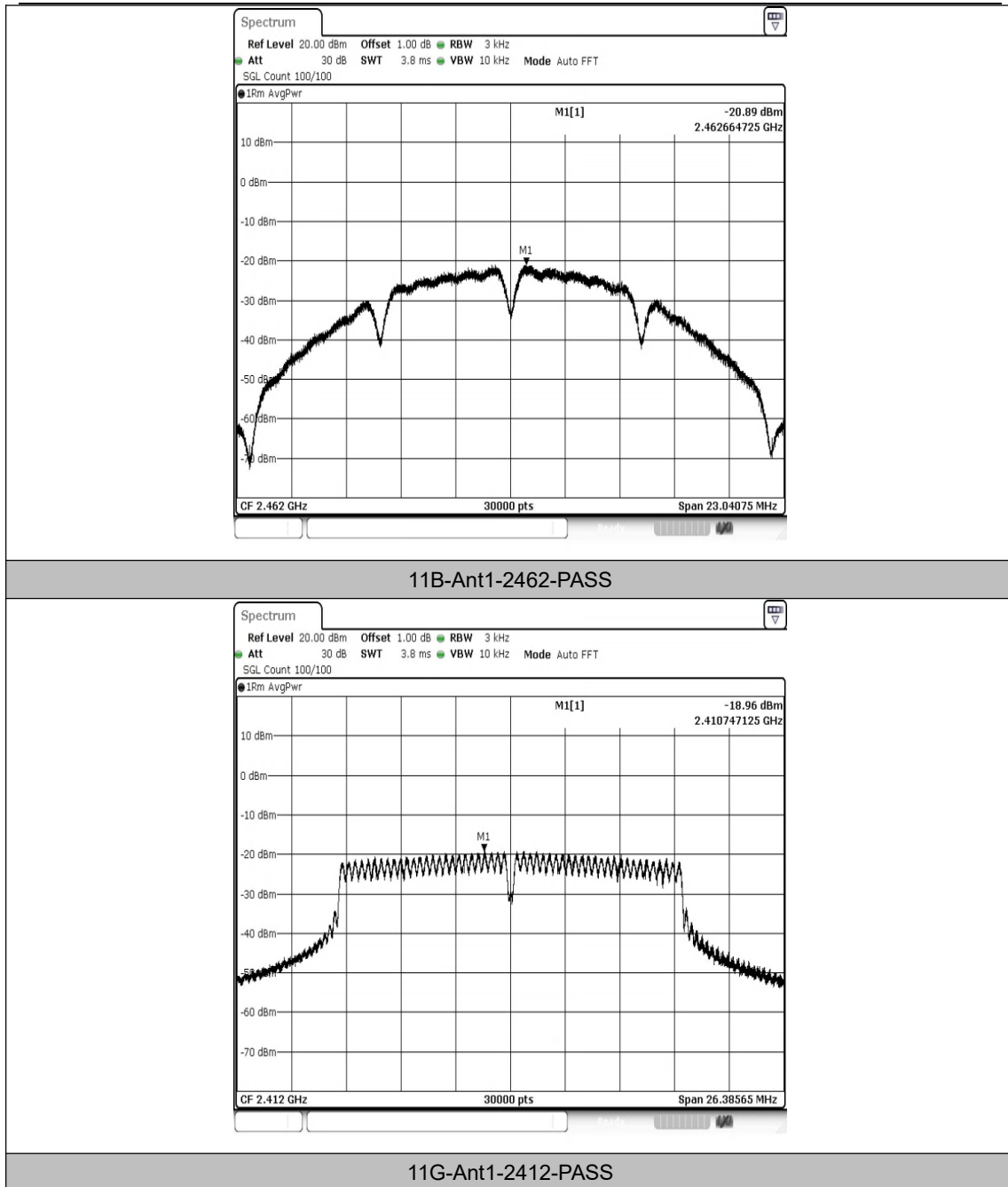
Test Graphs



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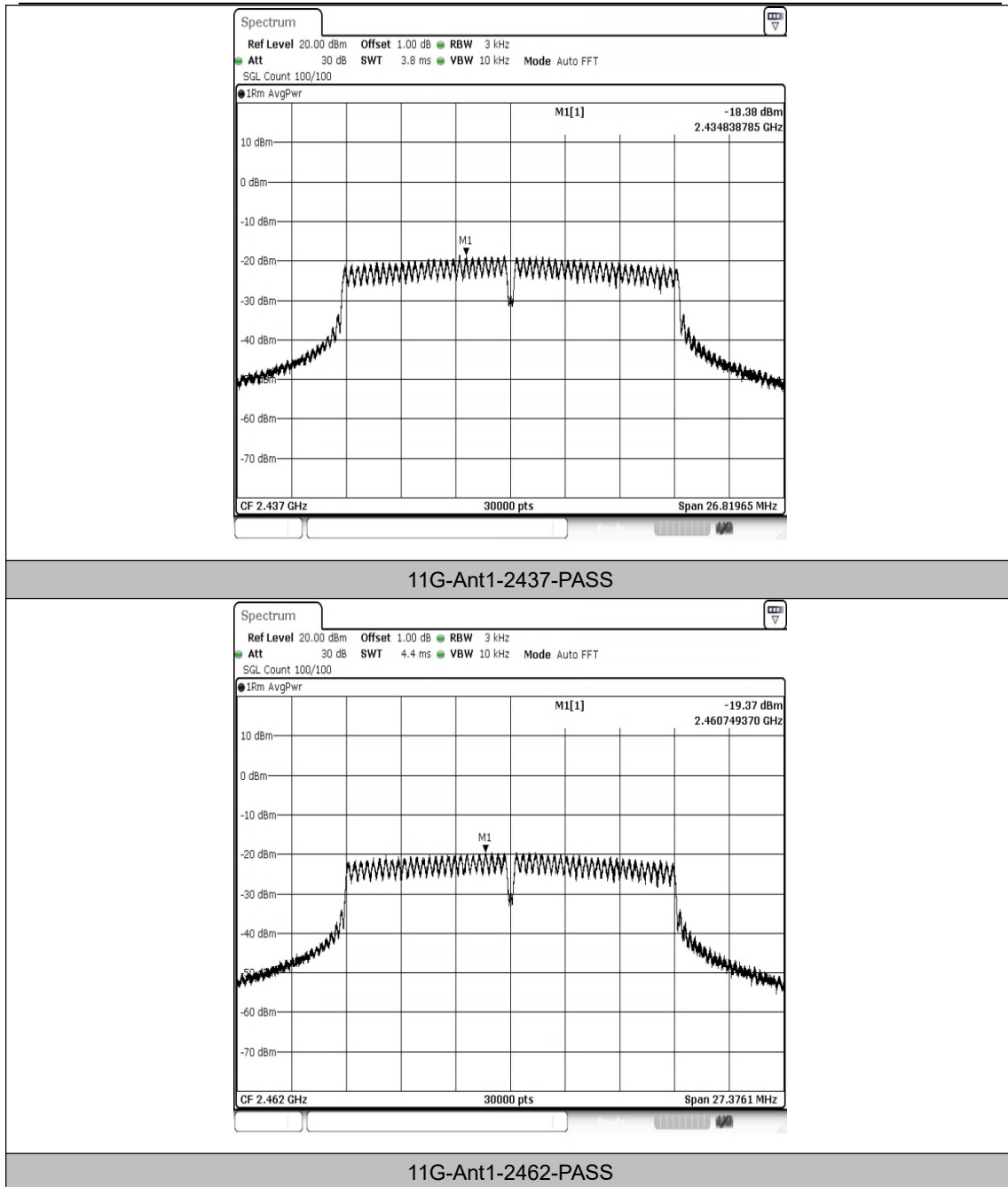
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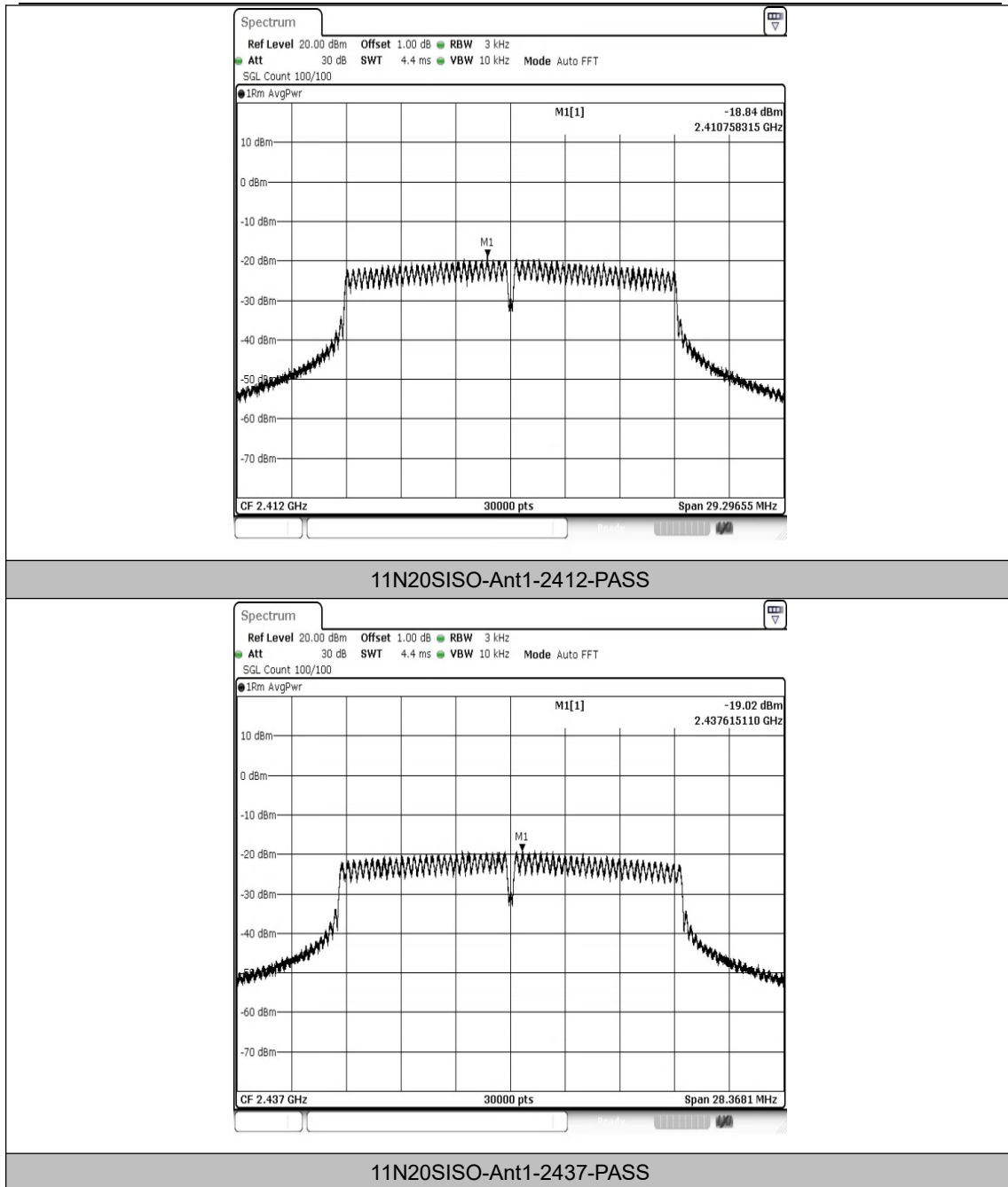
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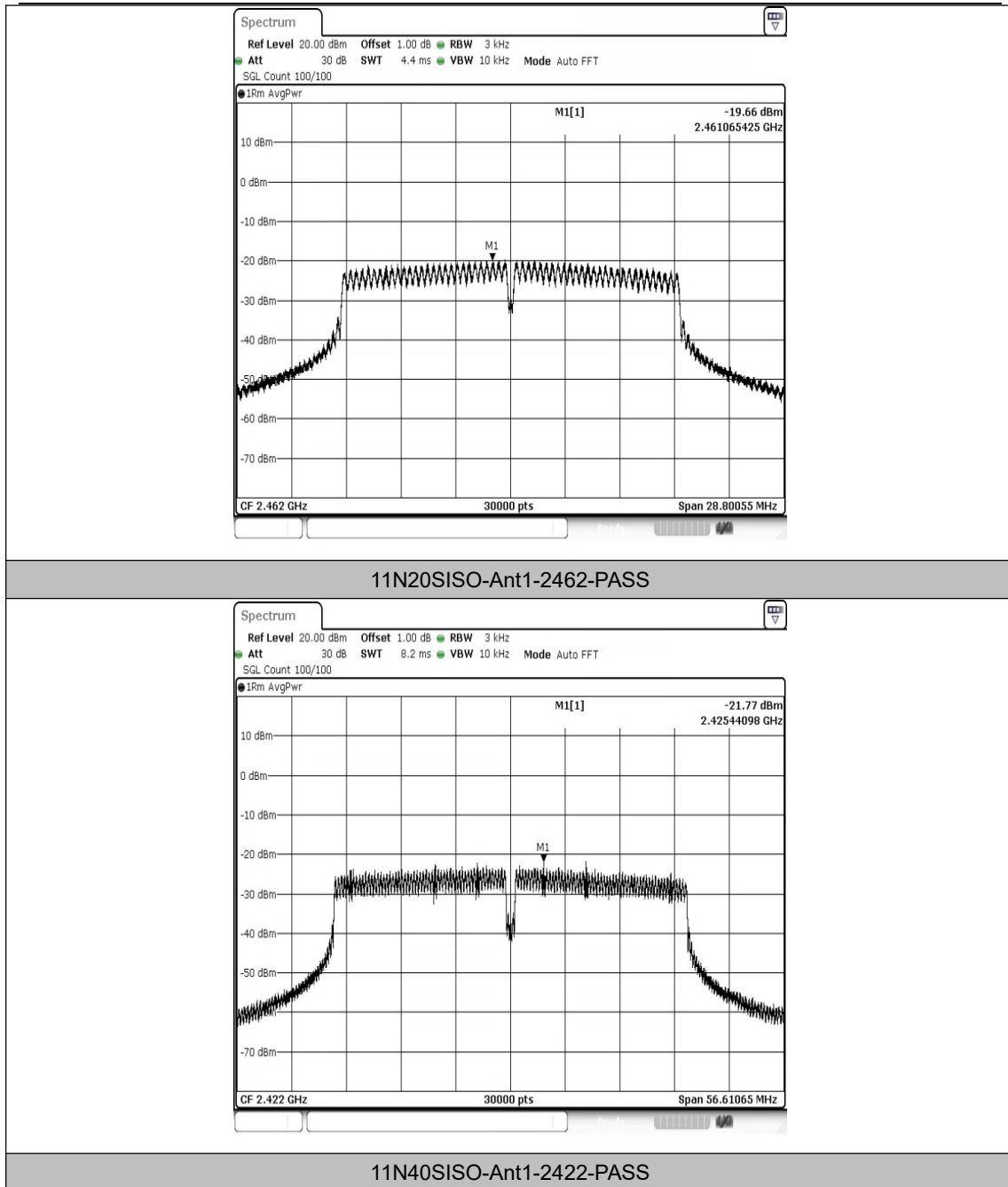


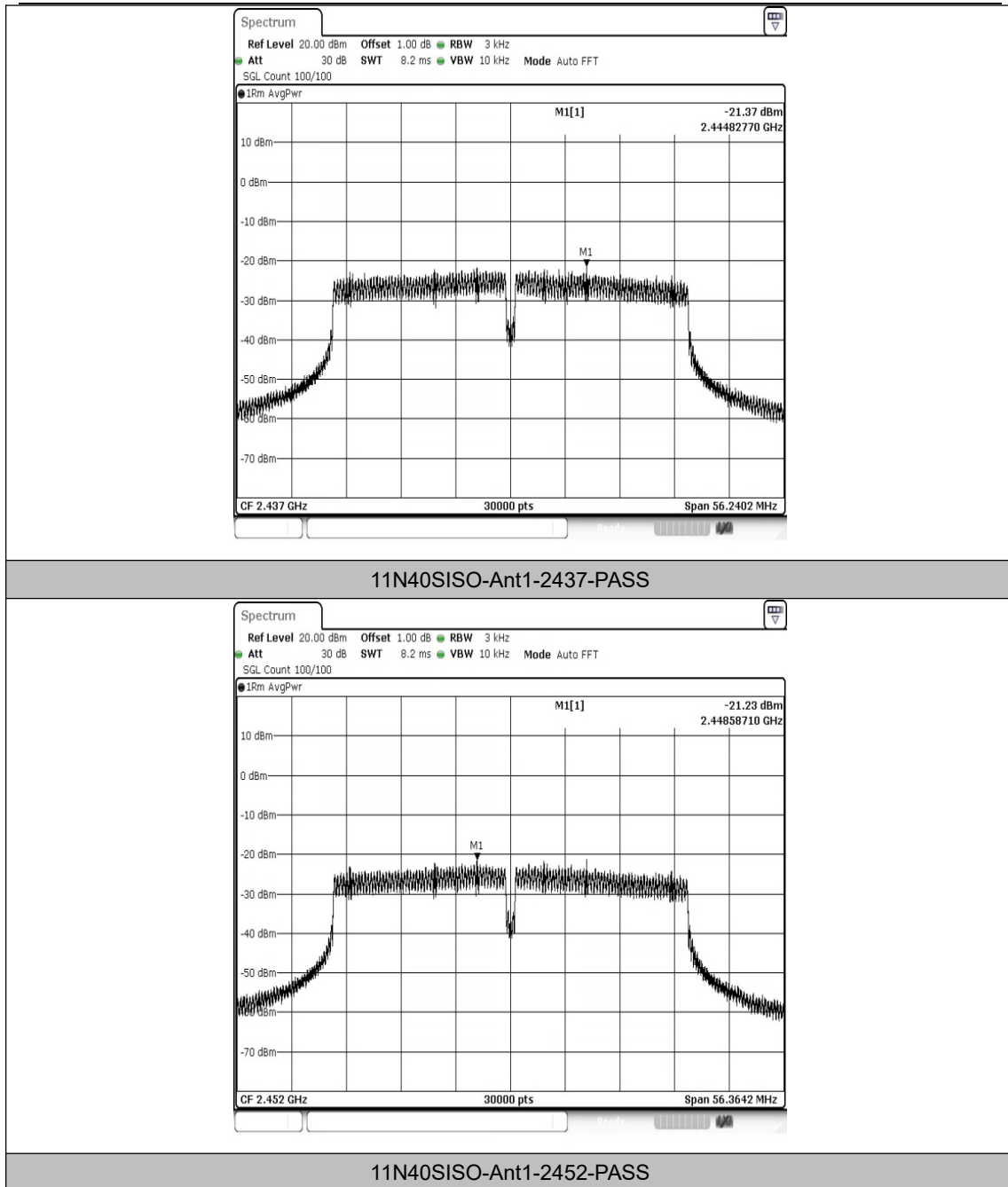
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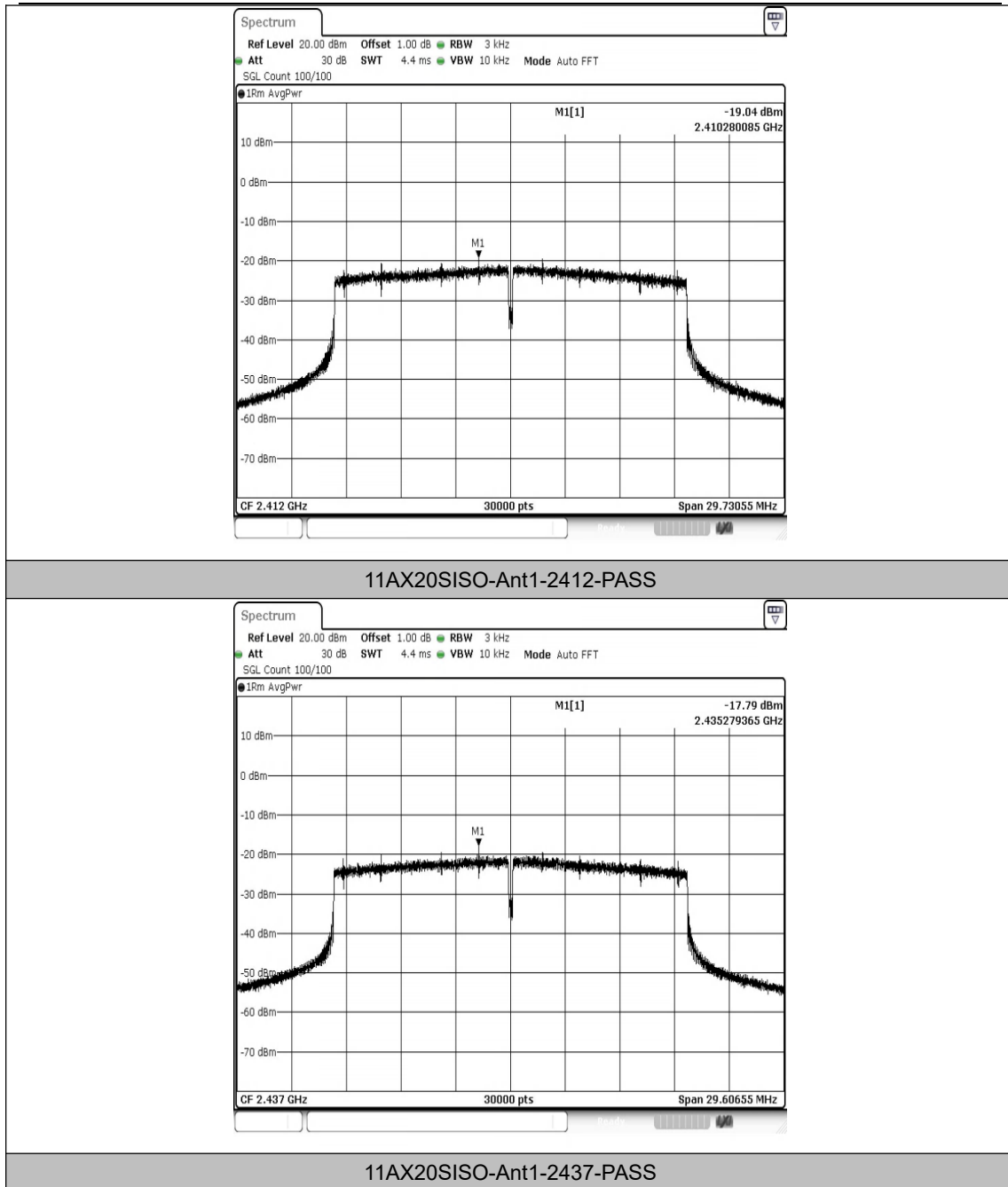




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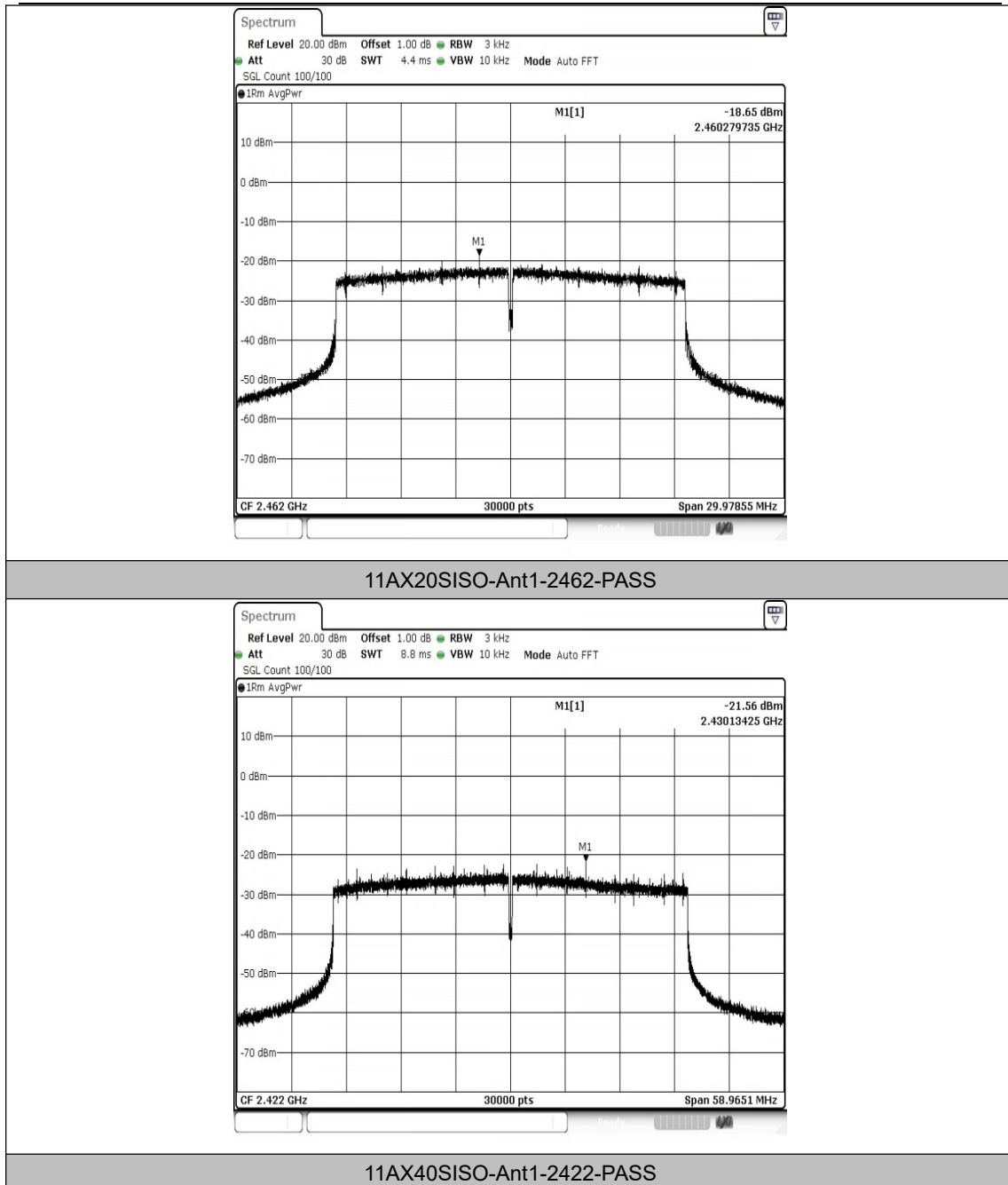
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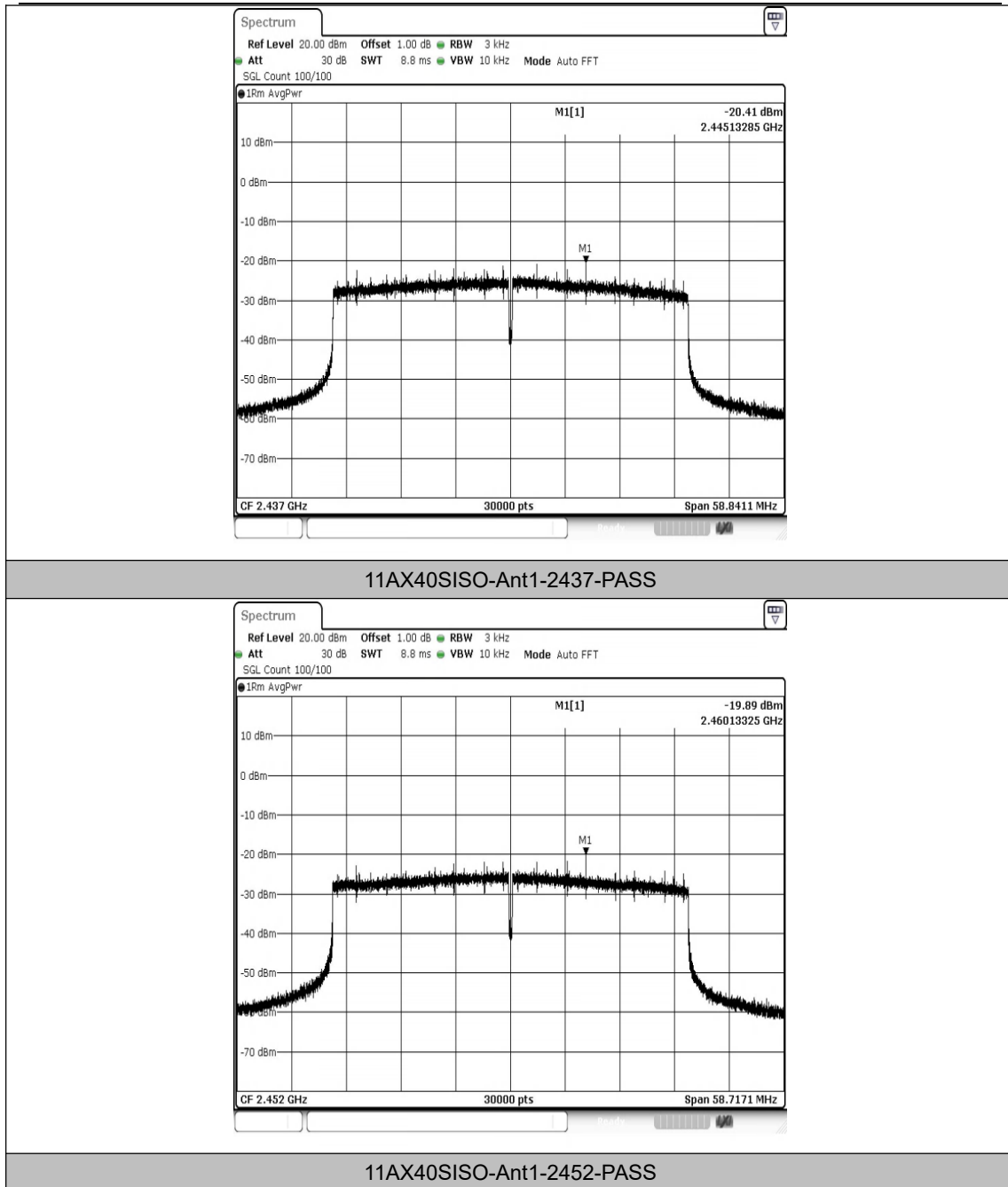
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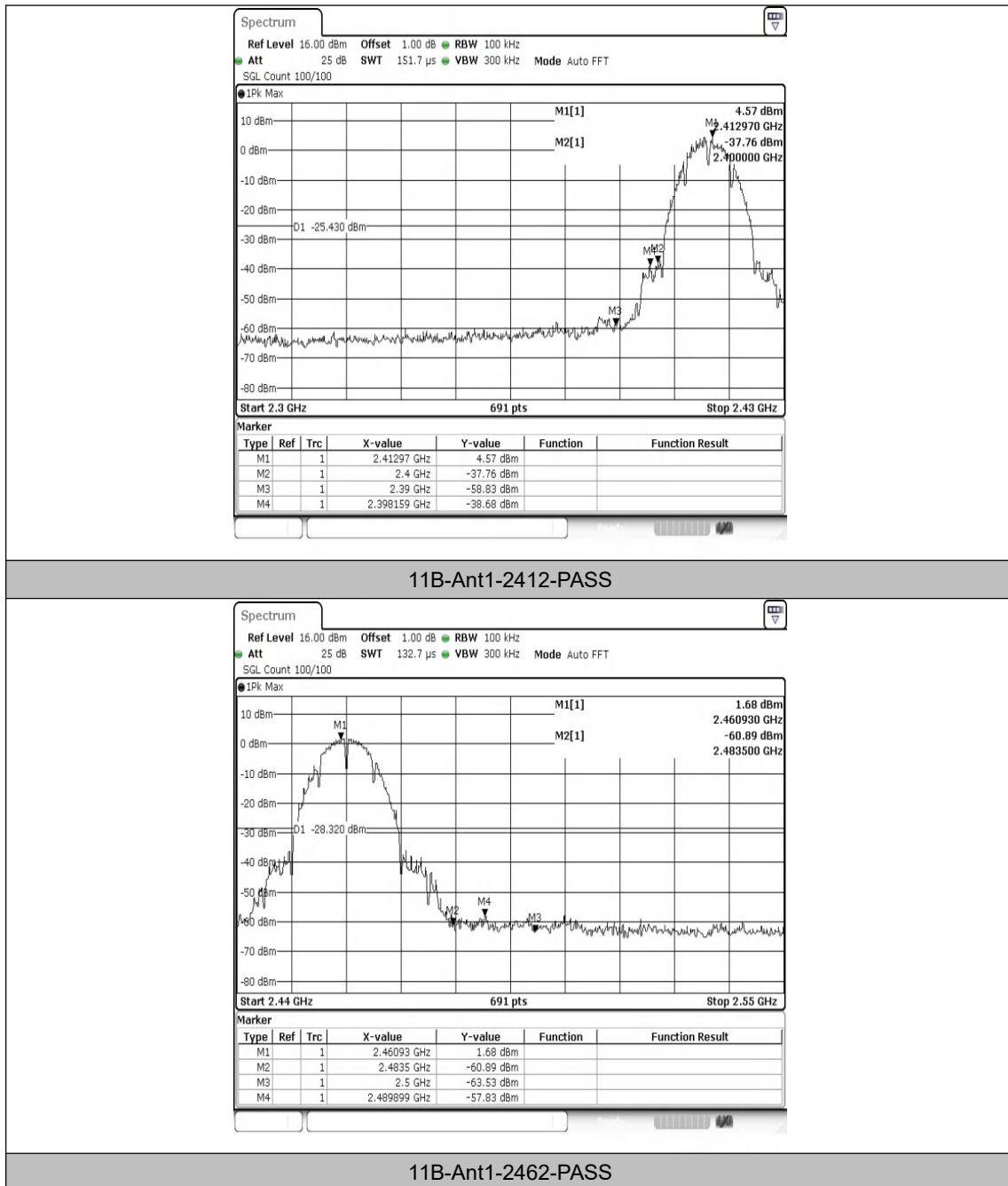
Appendix E: Conducted Band edge

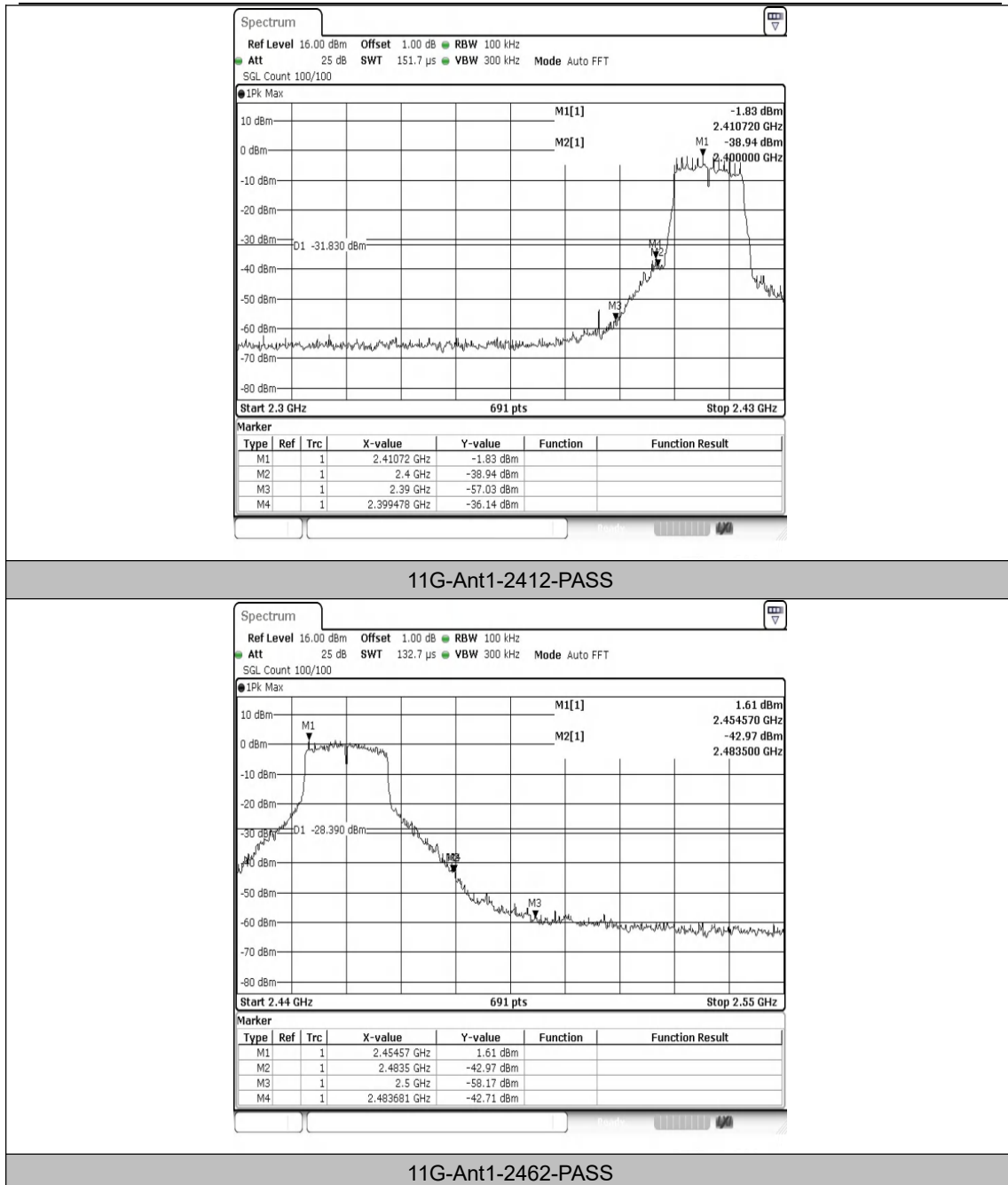
Test Result

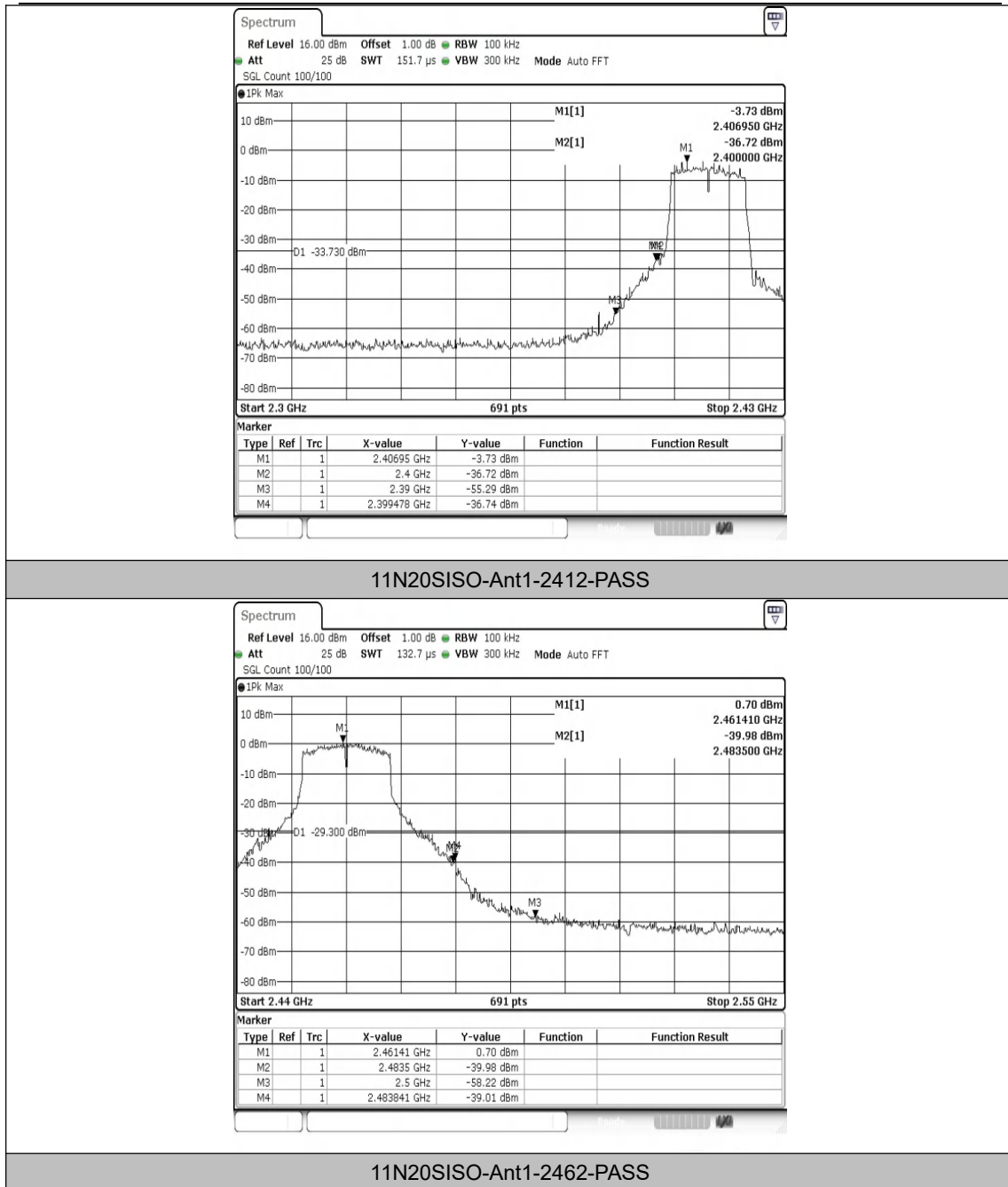
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.57	-38.68	≤-25.43	PASS
11B	Ant1	High	2462	1.68	-57.83	≤-28.32	PASS
11G	Ant1	Low	2412	-1.83	-36.14	≤-31.83	PASS
11G	Ant1	High	2462	1.61	-42.71	≤-28.39	PASS
11N20SISO	Ant1	Low	2412	-3.73	-36.74	≤-33.73	PASS
11N20SISO	Ant1	High	2462	0.70	-39.01	≤-29.3	PASS
11N40SISO	Ant1	Low	2422	-2.17	-35.9	≤-32.17	PASS
11N40SISO	Ant1	High	2452	0.94	-34.98	≤-29.06	PASS
11AX20SISO	Ant1	Low	2412	-1.27	-31.48	≤-31.27	PASS
11AX20SISO	Ant1	High	2462	1.71	-39.92	≤-28.29	PASS
11AX40SISO	Ant1	Low	2422	0.87	-29.61	≤-29.13	PASS
11AX40SISO	Ant1	High	2452	-0.04	-35.68	≤-30.04	PASS

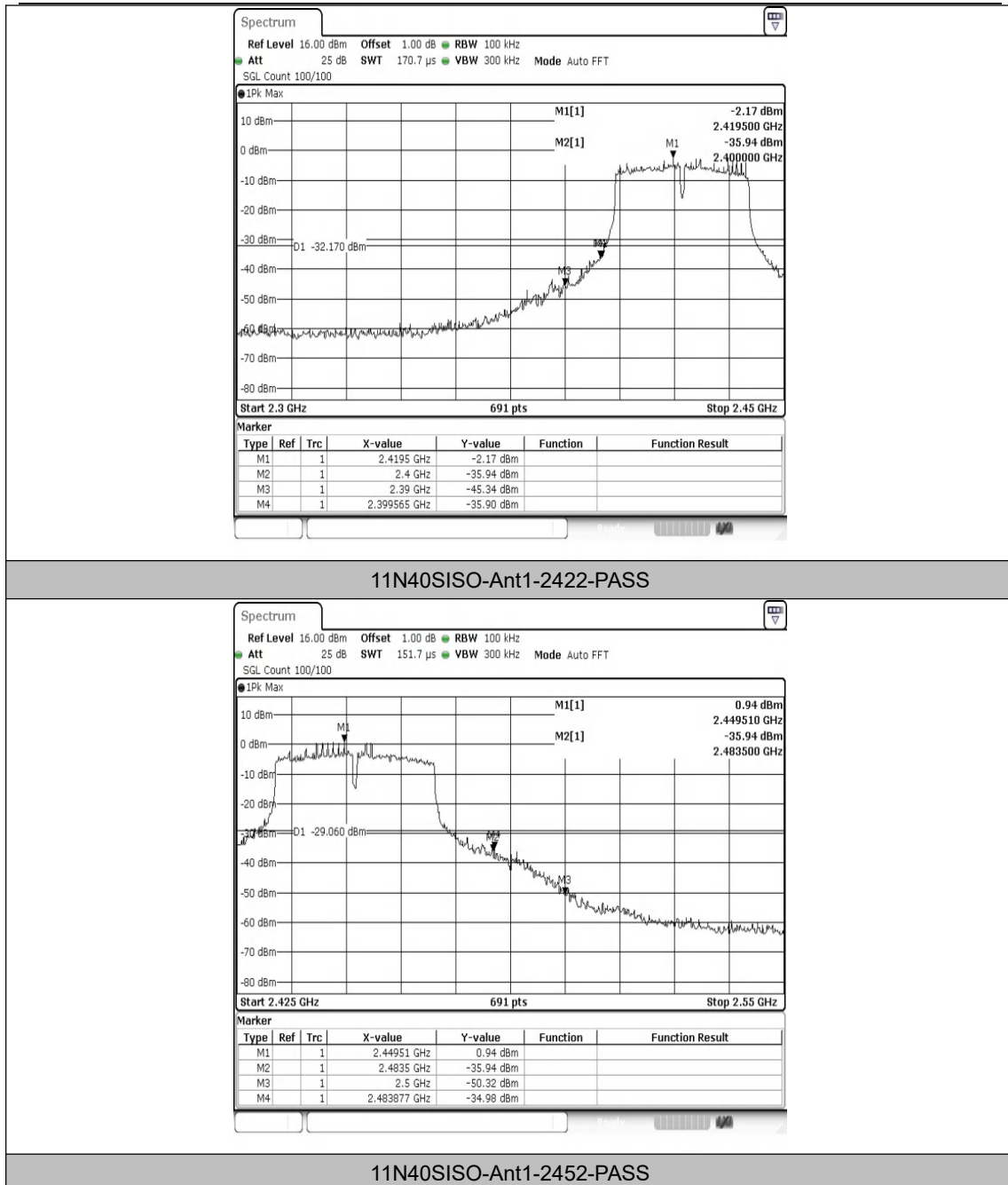
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs









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