

Appendix Test Data

Report No.:	1812C50513512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-17	Finish Test Date:	2025-10-20
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27°C	Relative Humidity:	47%
Pressure:	101kPa		



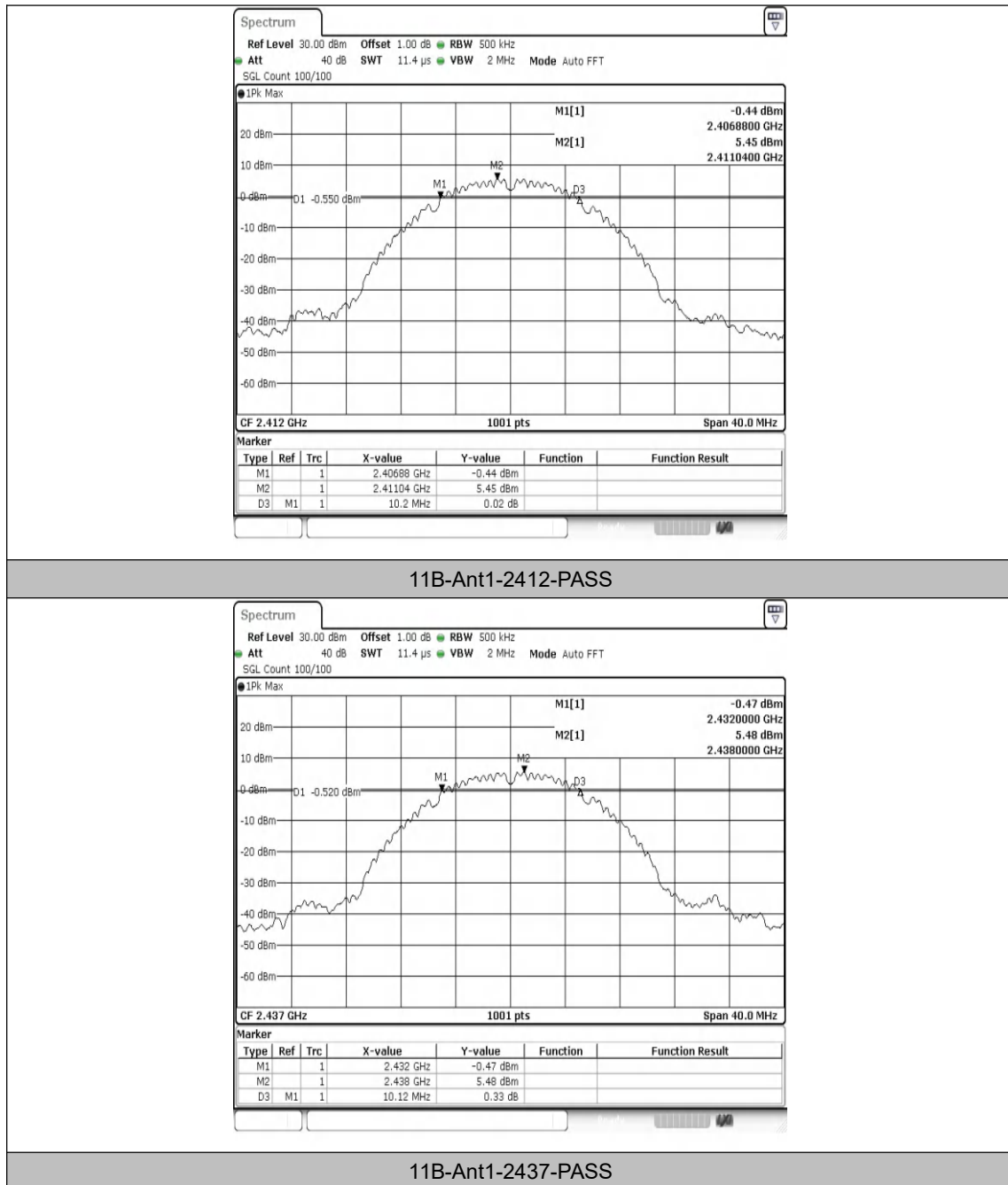
Appendix A: 6dB Bandwidth

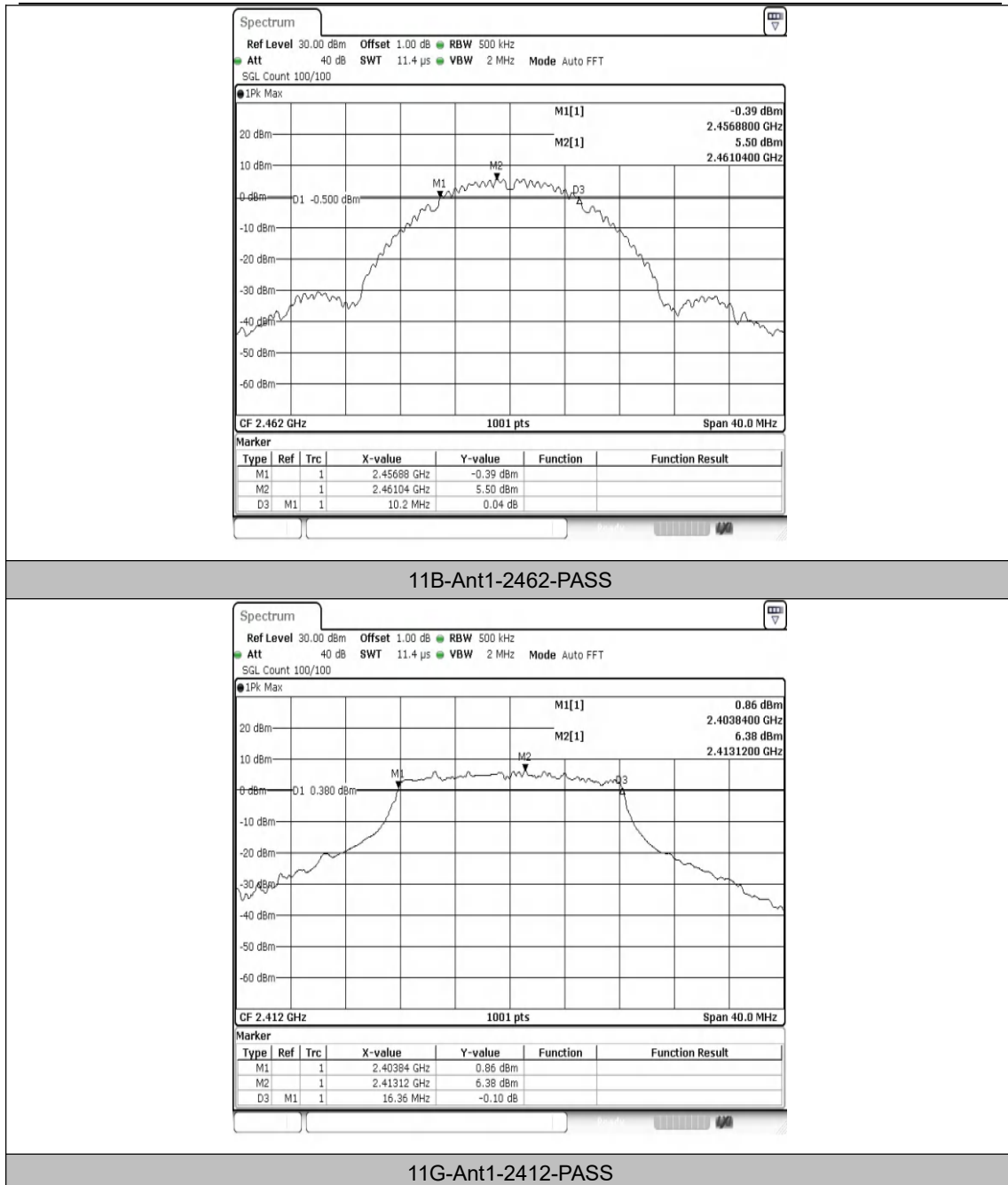
Test Result

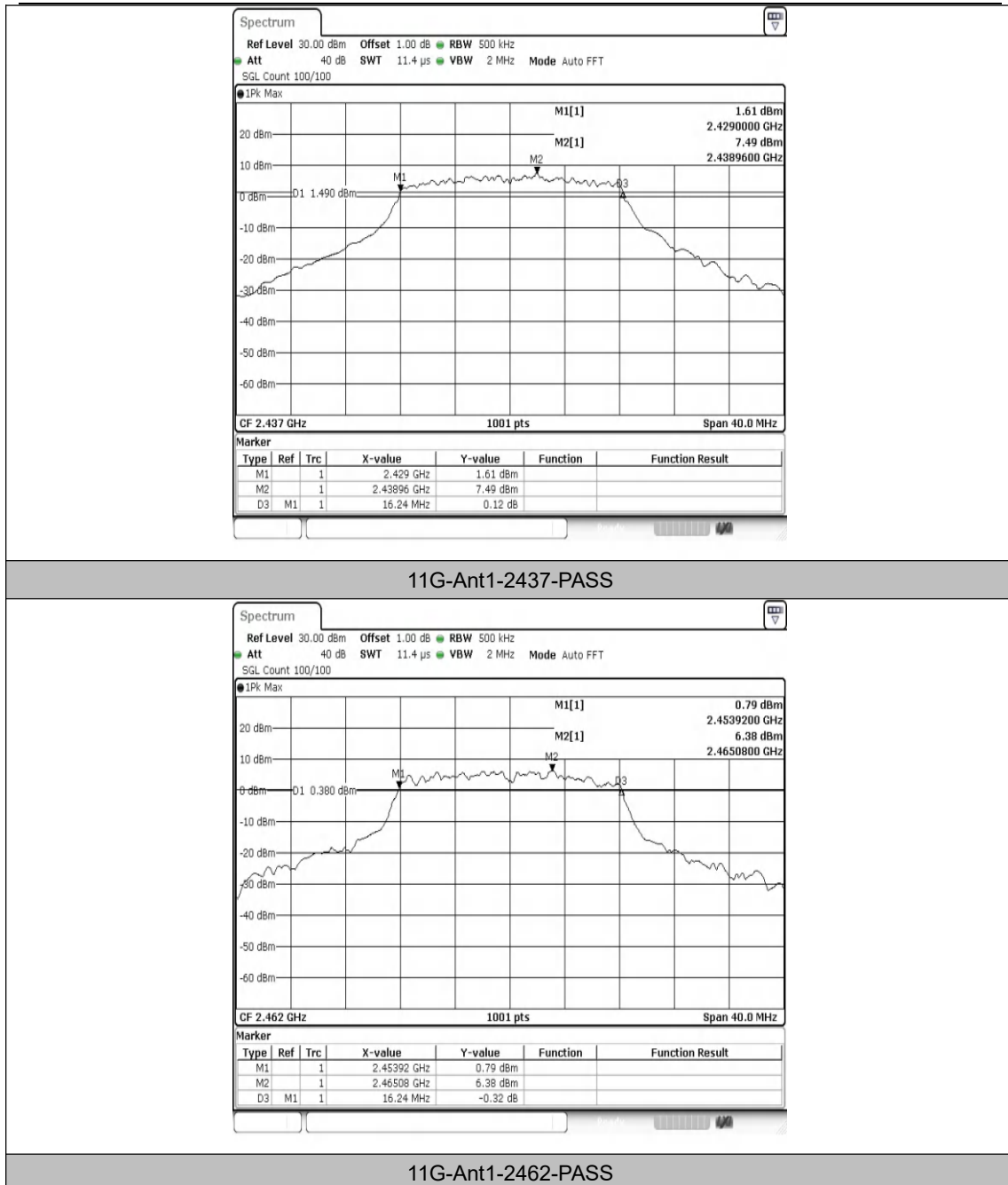
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.20	2406.88	2417.08	0.5	PASS
11B	Ant1	2437	10.12	2432.00	2442.12	0.5	PASS
11B	Ant1	2462	10.20	2456.88	2467.08	0.5	PASS
11G	Ant1	2412	16.36	2403.84	2420.20	0.5	PASS
11G	Ant1	2437	16.24	2429.00	2445.24	0.5	PASS
11G	Ant1	2462	16.24	2453.92	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.40	2403.24	2420.64	0.5	PASS
11N20SISO	Ant1	2437	17.36	2428.36	2445.72	0.5	PASS
11N20SISO	Ant1	2462	17.76	2453.12	2470.88	0.5	PASS
11N40SISO	Ant1	2422	36.40	2403.60	2440.00	0.5	PASS
11N40SISO	Ant1	2437	36.00	2418.92	2454.92	0.5	PASS
11N40SISO	Ant1	2452	35.60	2434.16	2469.76	0.5	PASS
11AX20SISO	Ant1	2412	18.68	2402.60	2421.28	0.5	PASS
11AX20SISO	Ant1	2437	18.40	2427.52	2445.92	0.5	PASS
11AX20SISO	Ant1	2462	18.72	2452.60	2471.32	0.5	PASS
11AX40SISO	Ant1	2422	38.00	2402.88	2440.88	0.5	PASS
11AX40SISO	Ant1	2437	37.20	2418.76	2455.96	0.5	PASS
11AX40SISO	Ant1	2452	37.52	2433.44	2470.96	0.5	PASS

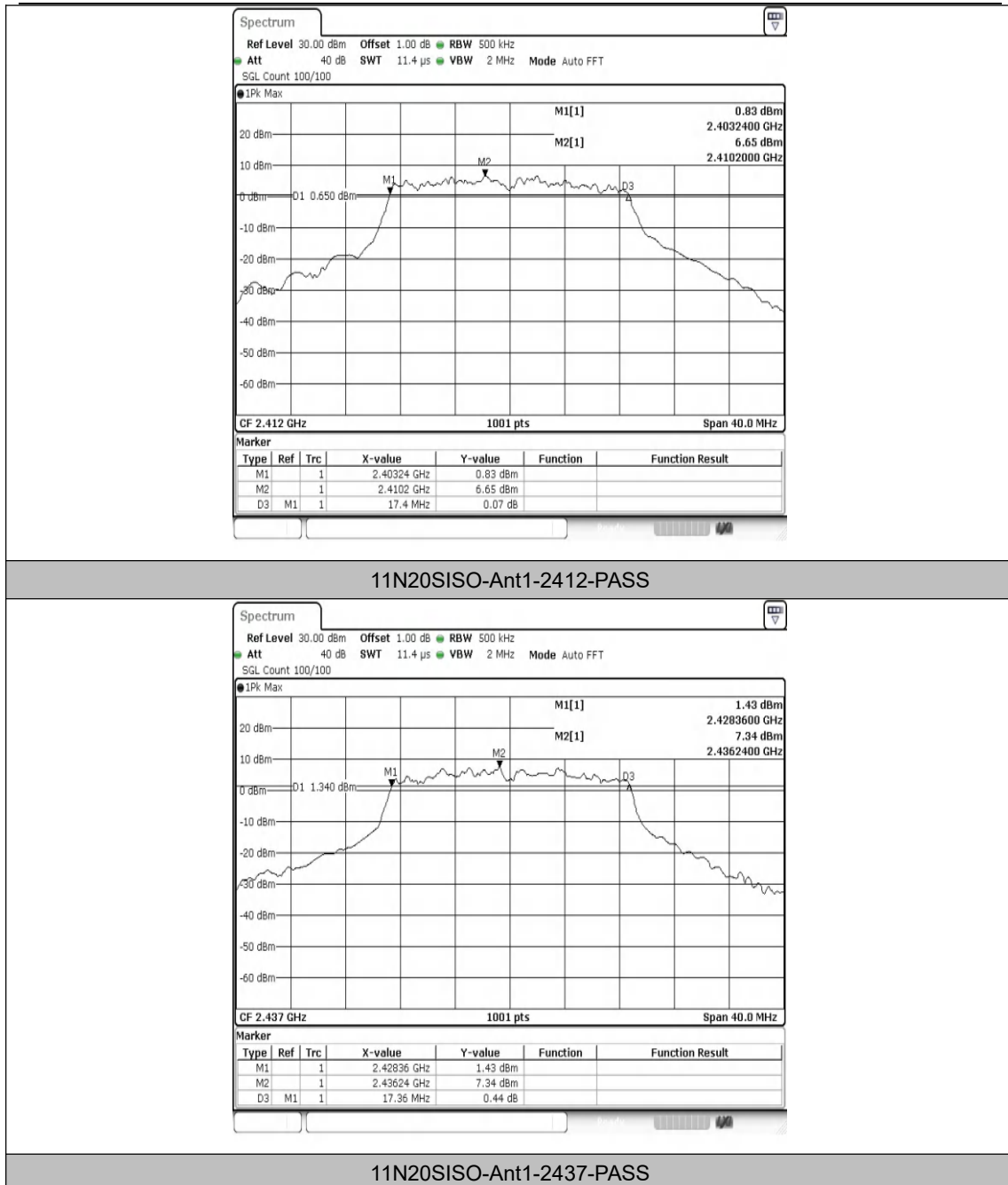


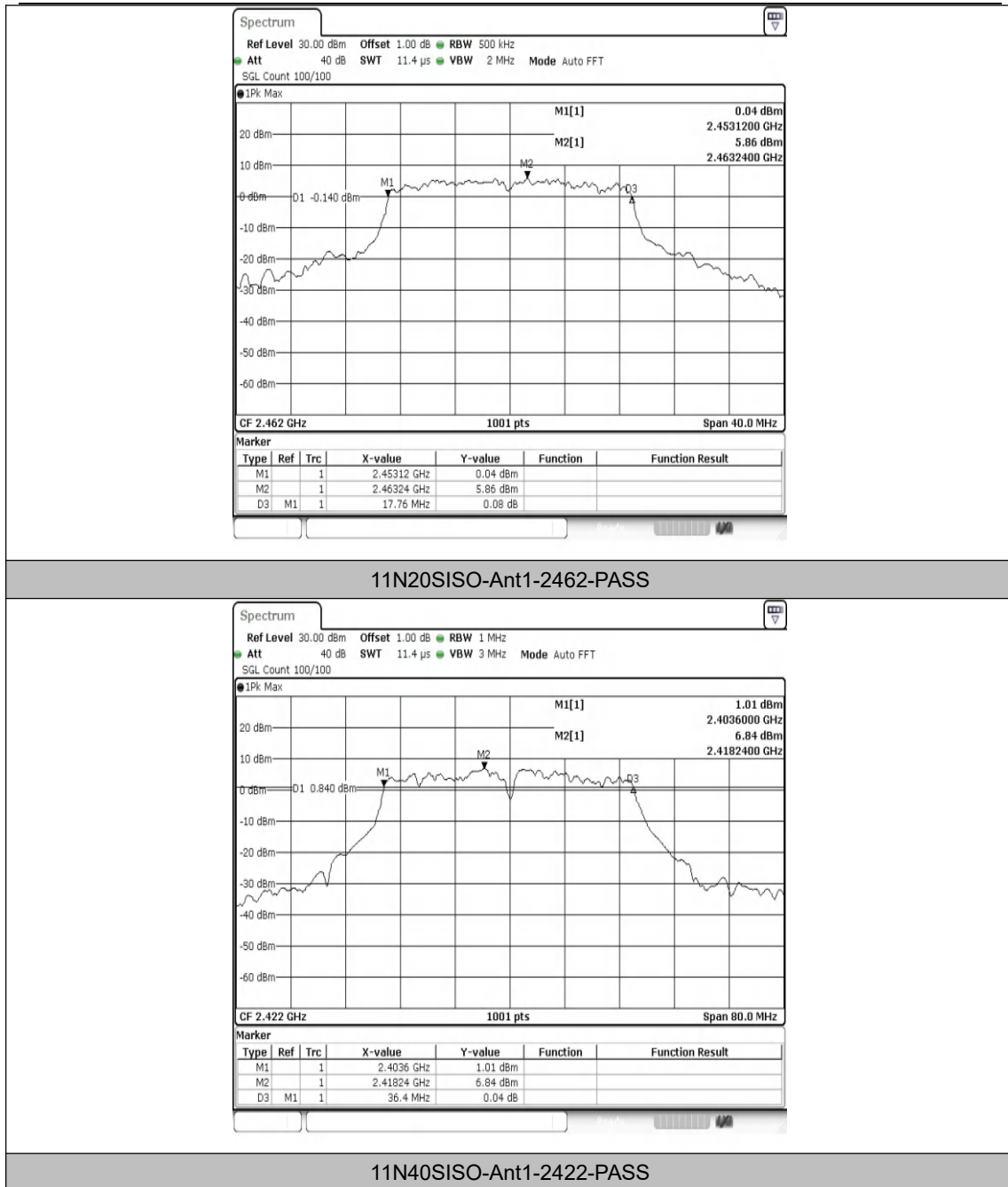
Test Graphs







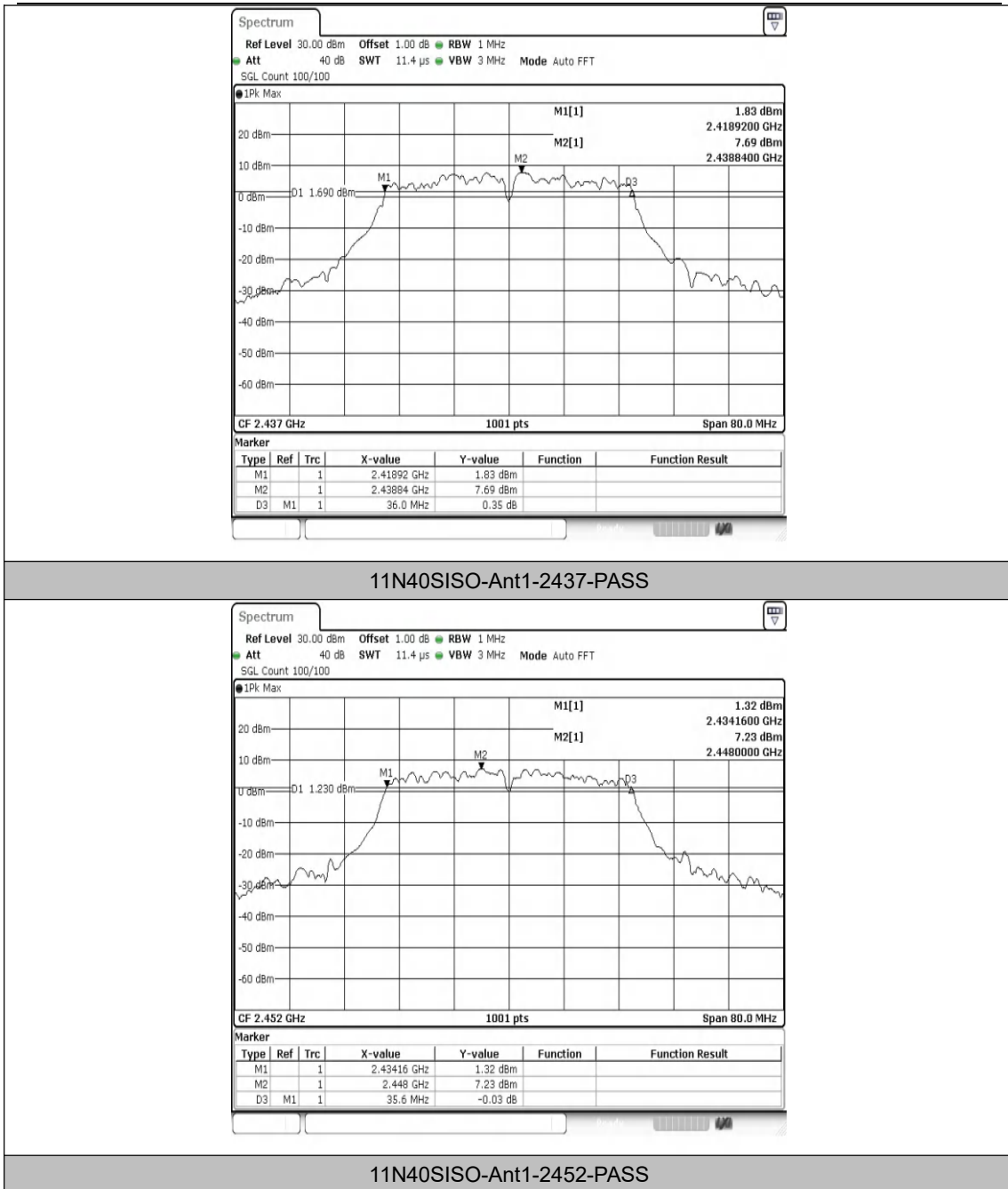


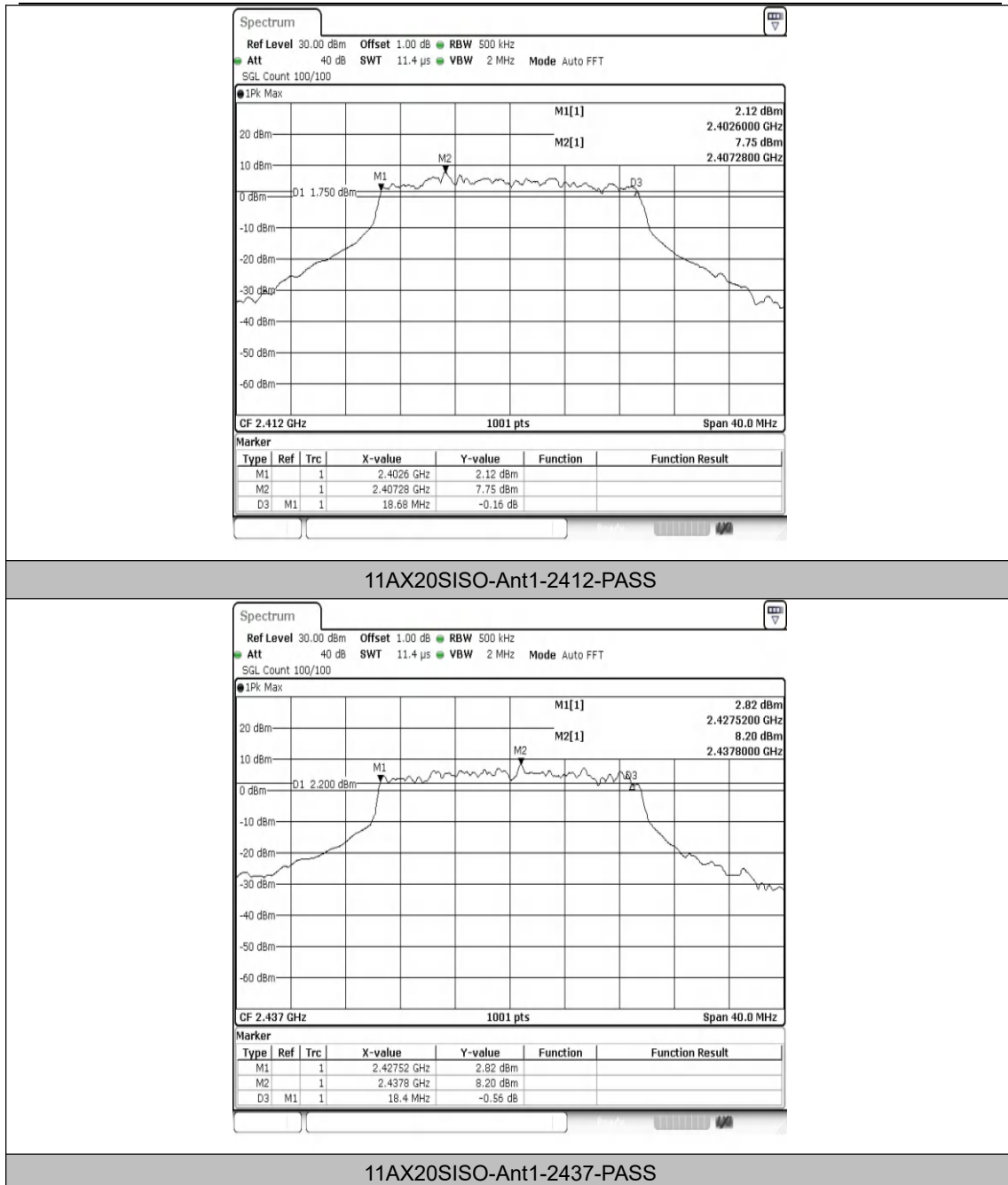


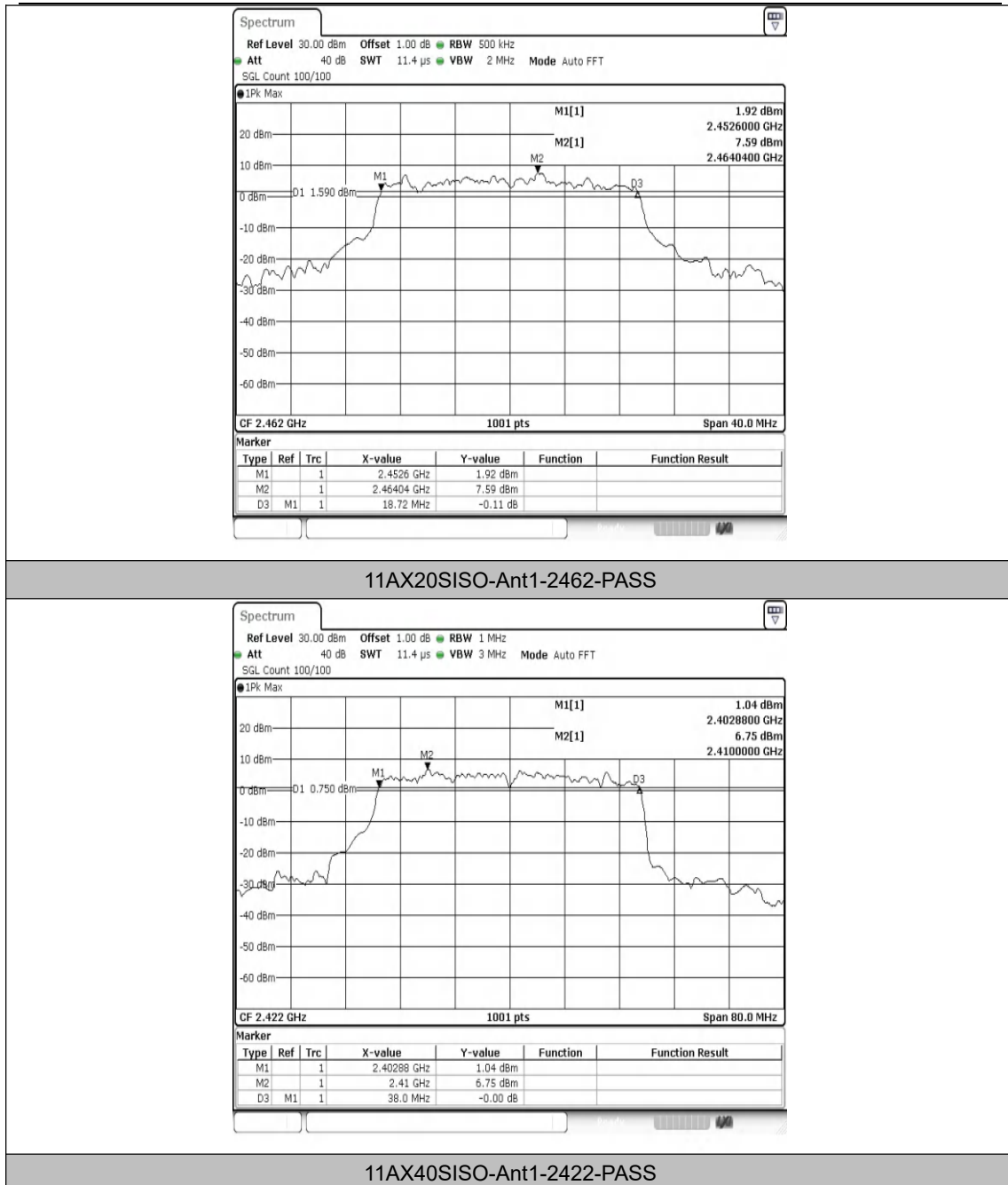
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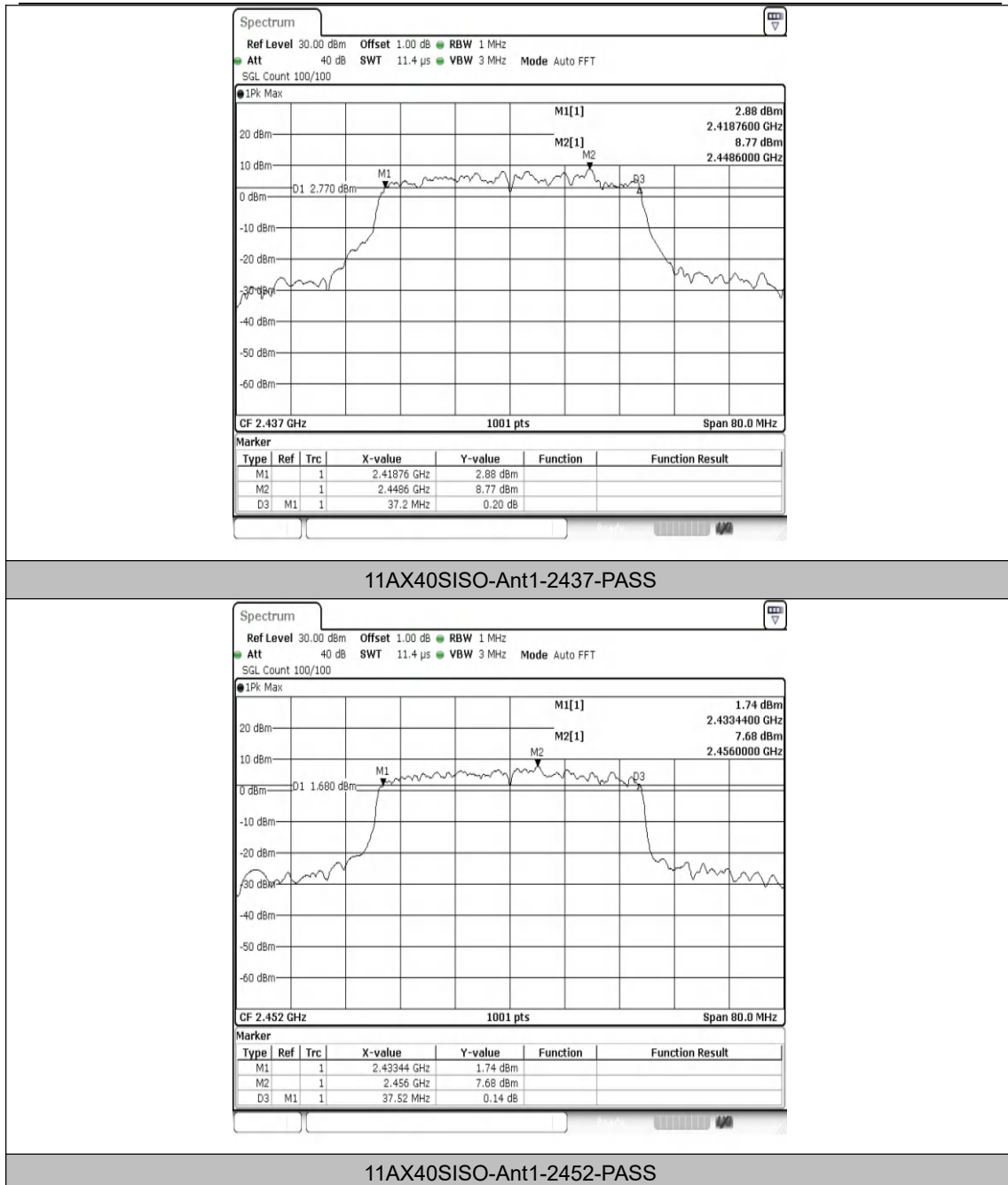
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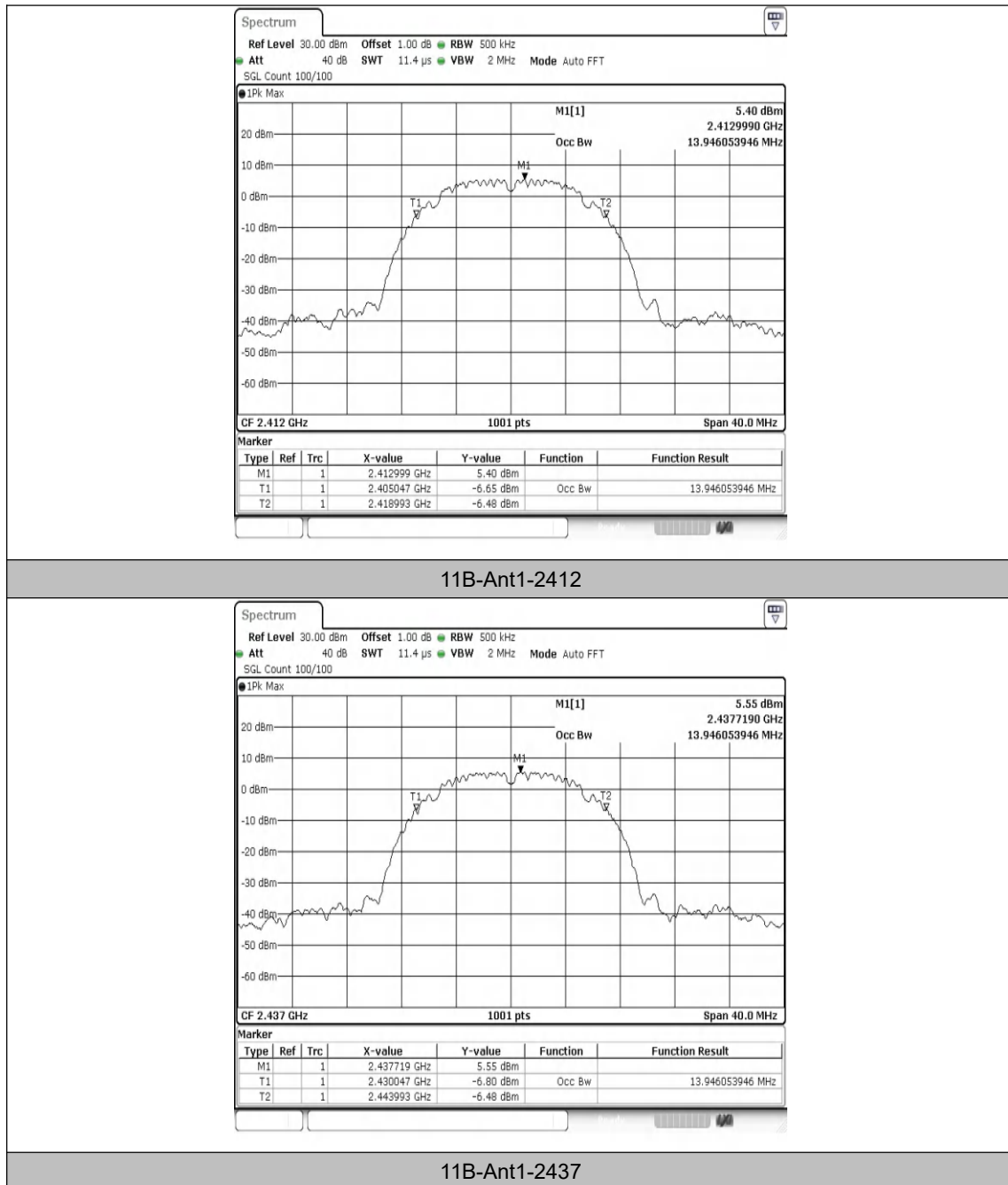


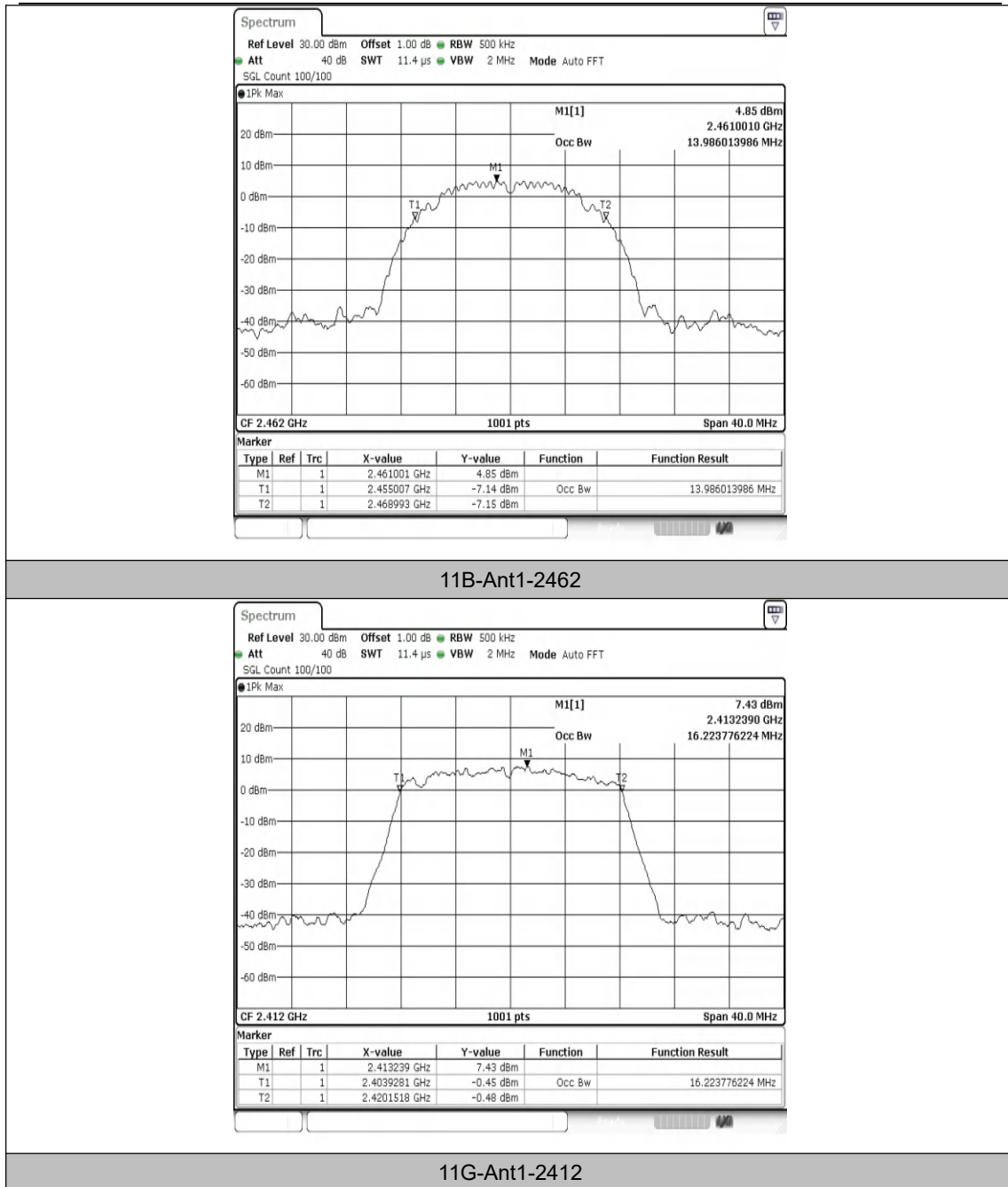
Appendix B: 99% Occupied Bandwidth

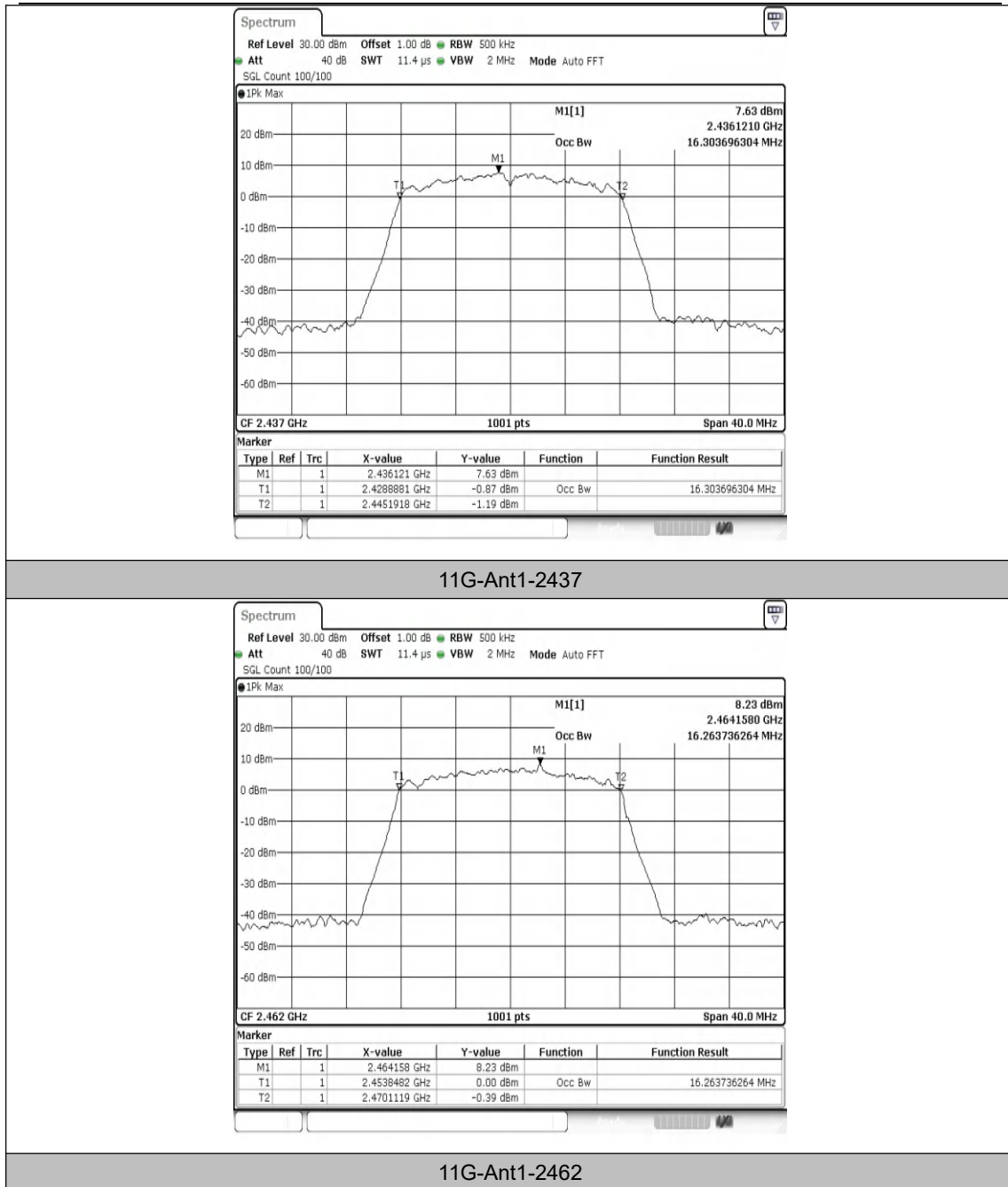
Test Result

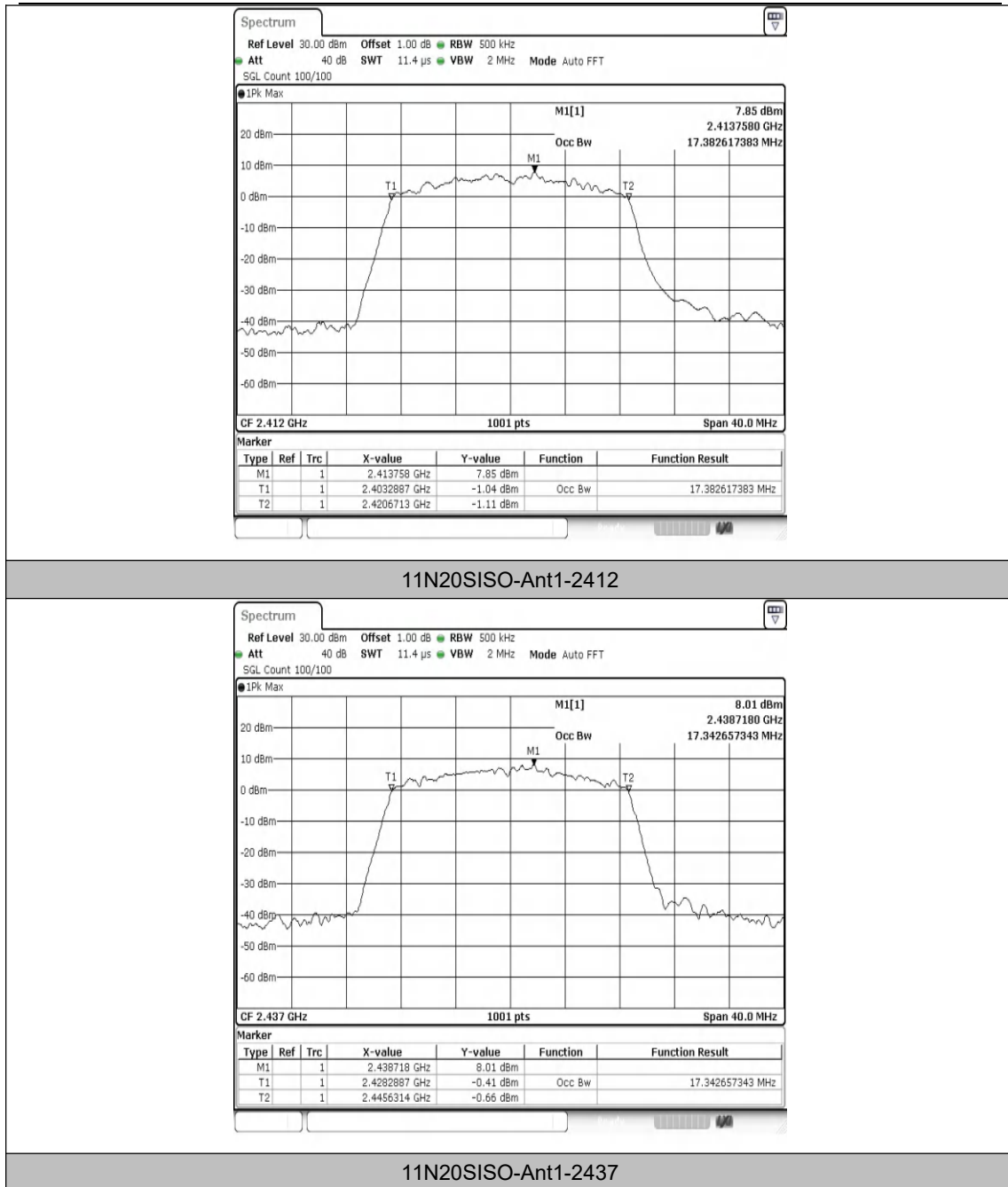
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.946	2405.0470	2418.9930	---	---
11B	Ant1	2437	13.946	2430.0470	2443.9930	---	---
11B	Ant1	2462	13.986	2455.0070	2468.9930	---	---
11G	Ant1	2412	16.224	2403.9281	2420.1518	---	---
11G	Ant1	2437	16.304	2428.8881	2445.1918	---	---
11G	Ant1	2462	16.264	2453.8482	2470.1119	---	---
11N20SISO	Ant1	2412	17.383	2403.2887	2420.6713	---	---
11N20SISO	Ant1	2437	17.343	2428.2887	2445.6314	---	---
11N20SISO	Ant1	2462	17.343	2453.2887	2470.6314	---	---
11N40SISO	Ant1	2422	35.804	2404.0979	2439.9021	---	---
11N40SISO	Ant1	2437	35.964	2419.0180	2454.9820	---	---
11N40SISO	Ant1	2452	35.804	2434.0180	2469.8222	---	---
11AX20SISO	Ant1	2412	18.701	2402.6094	2421.3107	---	---
11AX20SISO	Ant1	2437	18.661	2427.6094	2446.2707	---	---
11AX20SISO	Ant1	2462	18.701	2452.5694	2471.2707	---	---
11AX40SISO	Ant1	2422	37.403	2403.2987	2440.7013	---	---
11AX40SISO	Ant1	2437	37.163	2418.3786	2455.5415	---	---
11AX40SISO	Ant1	2452	37.403	2433.2987	2470.7013	---	---

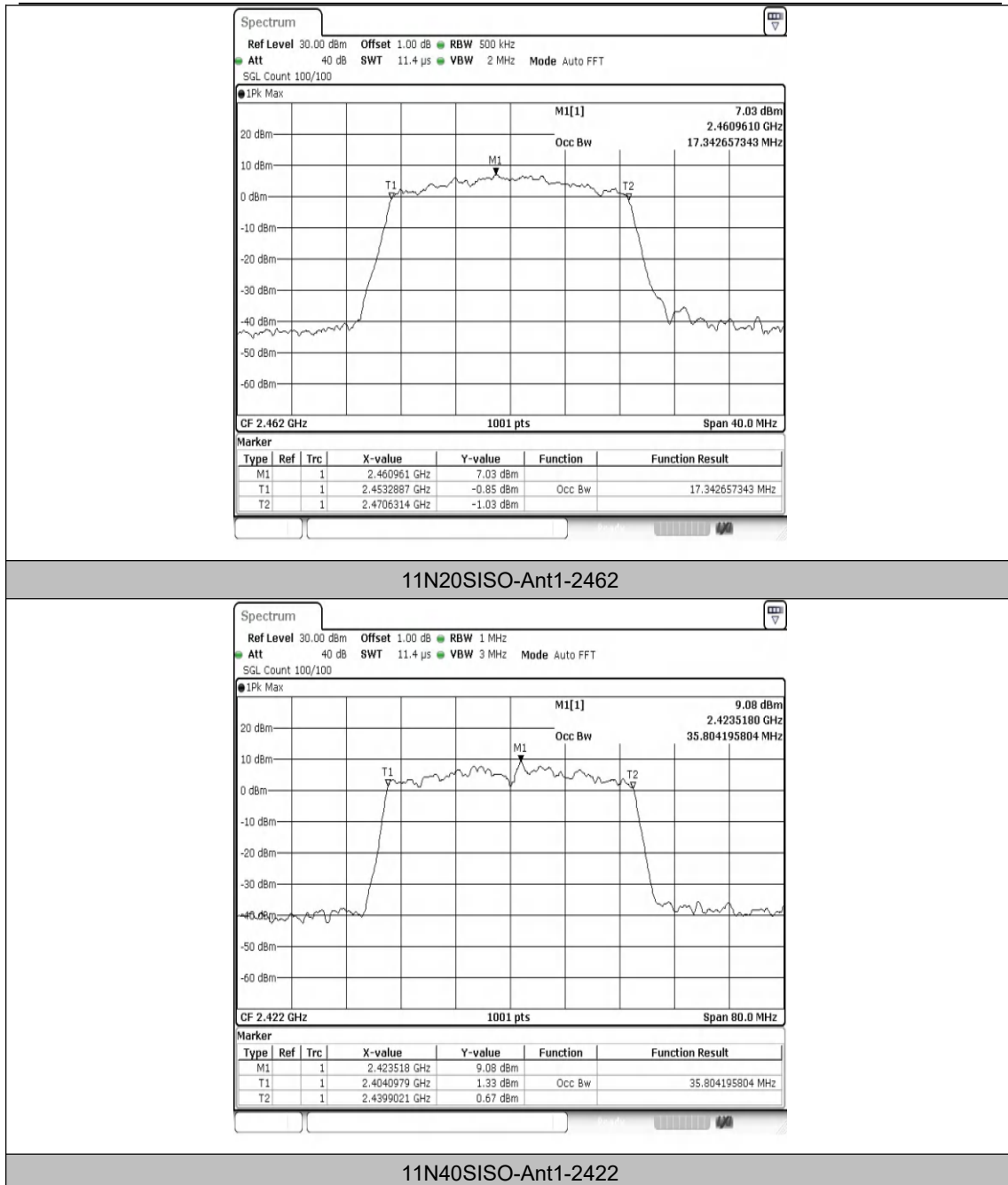
Test Graphs

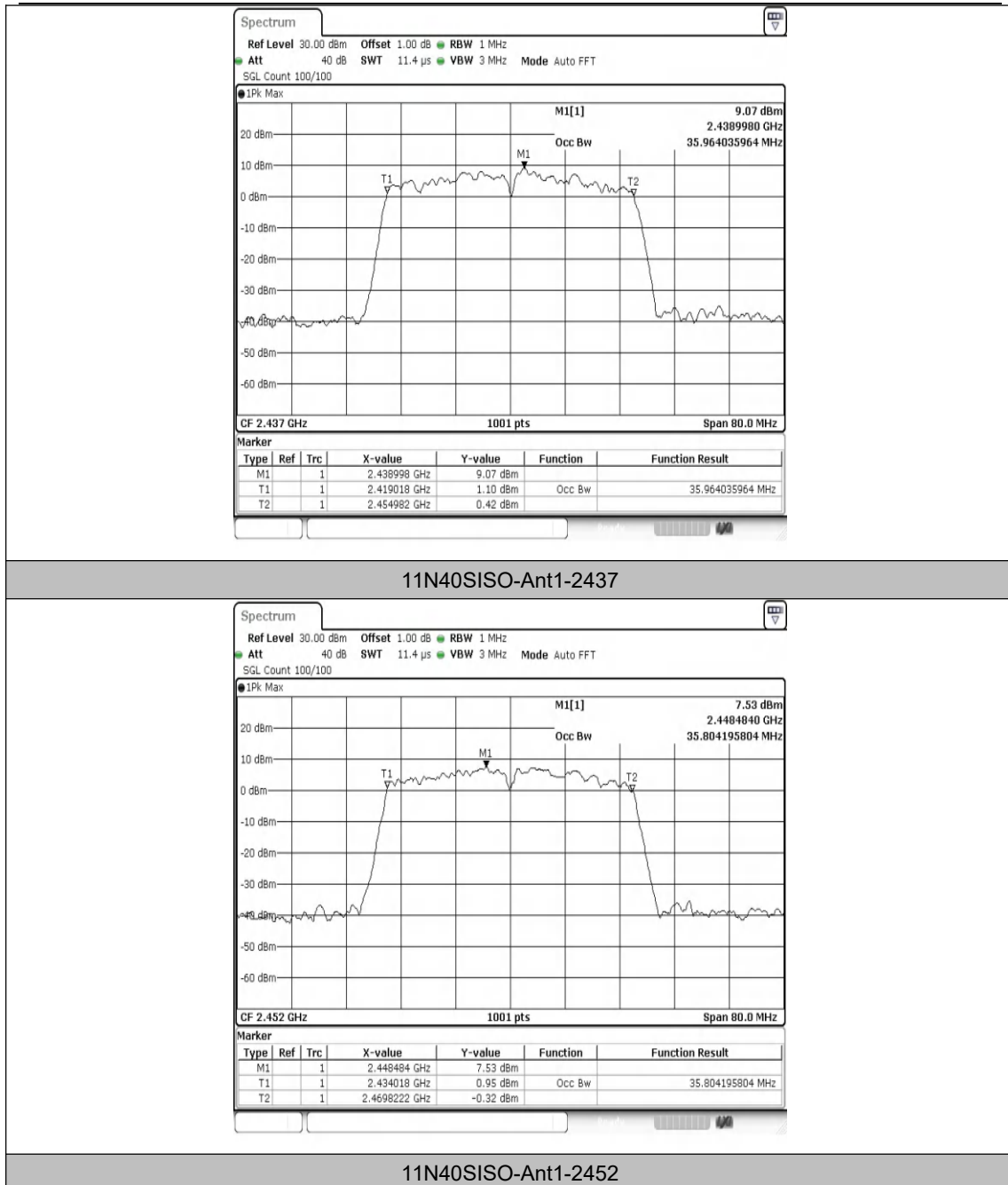


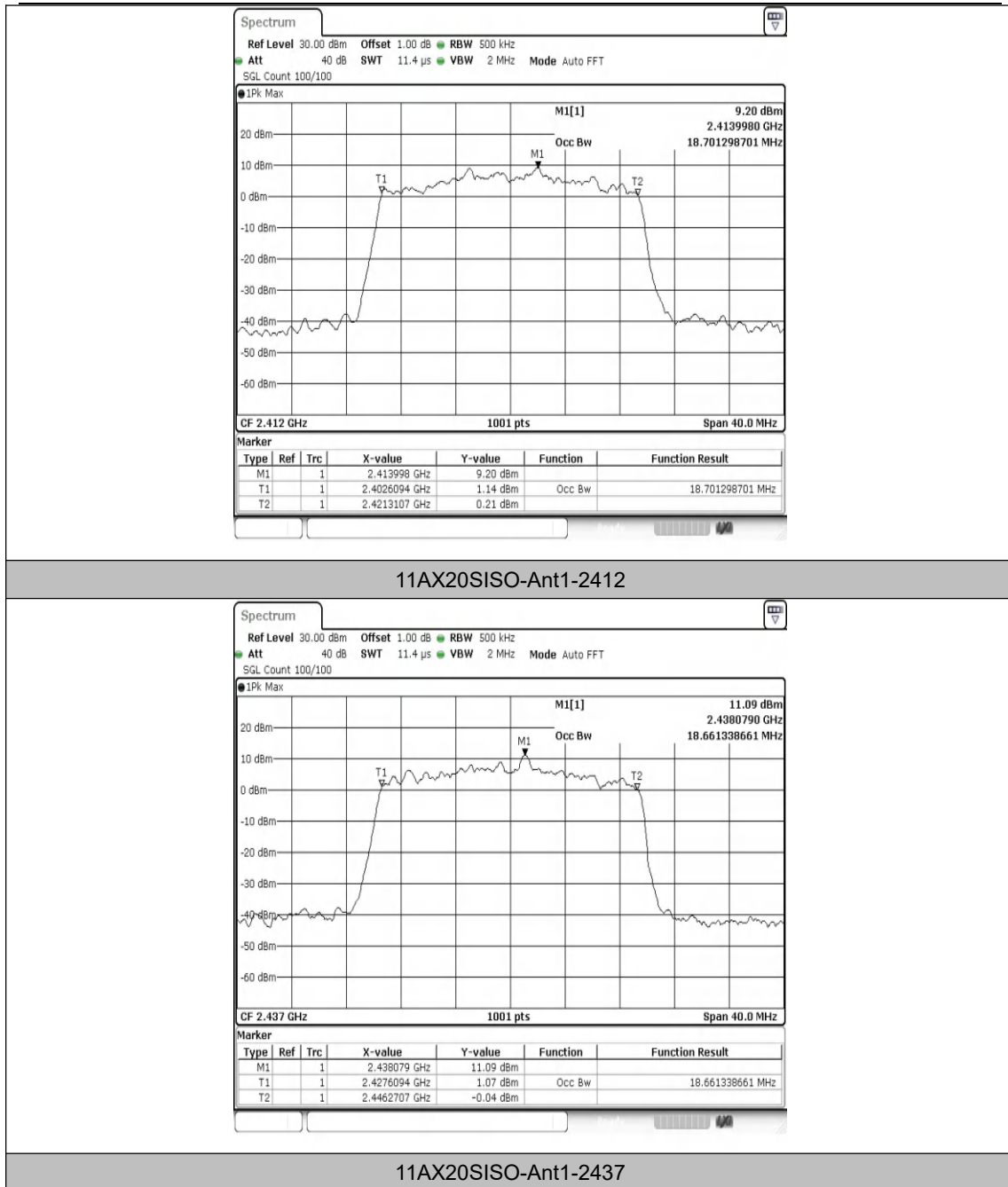


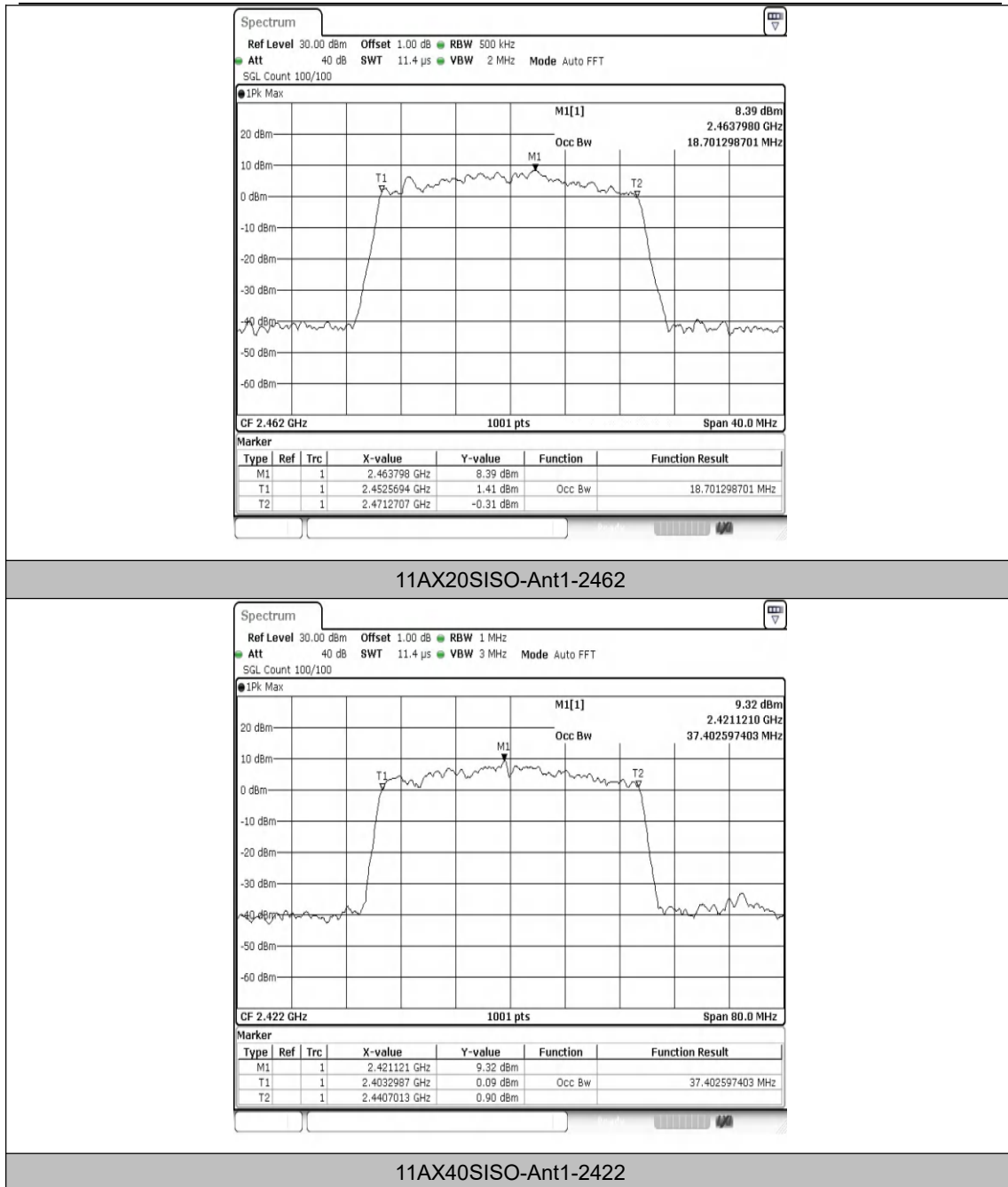








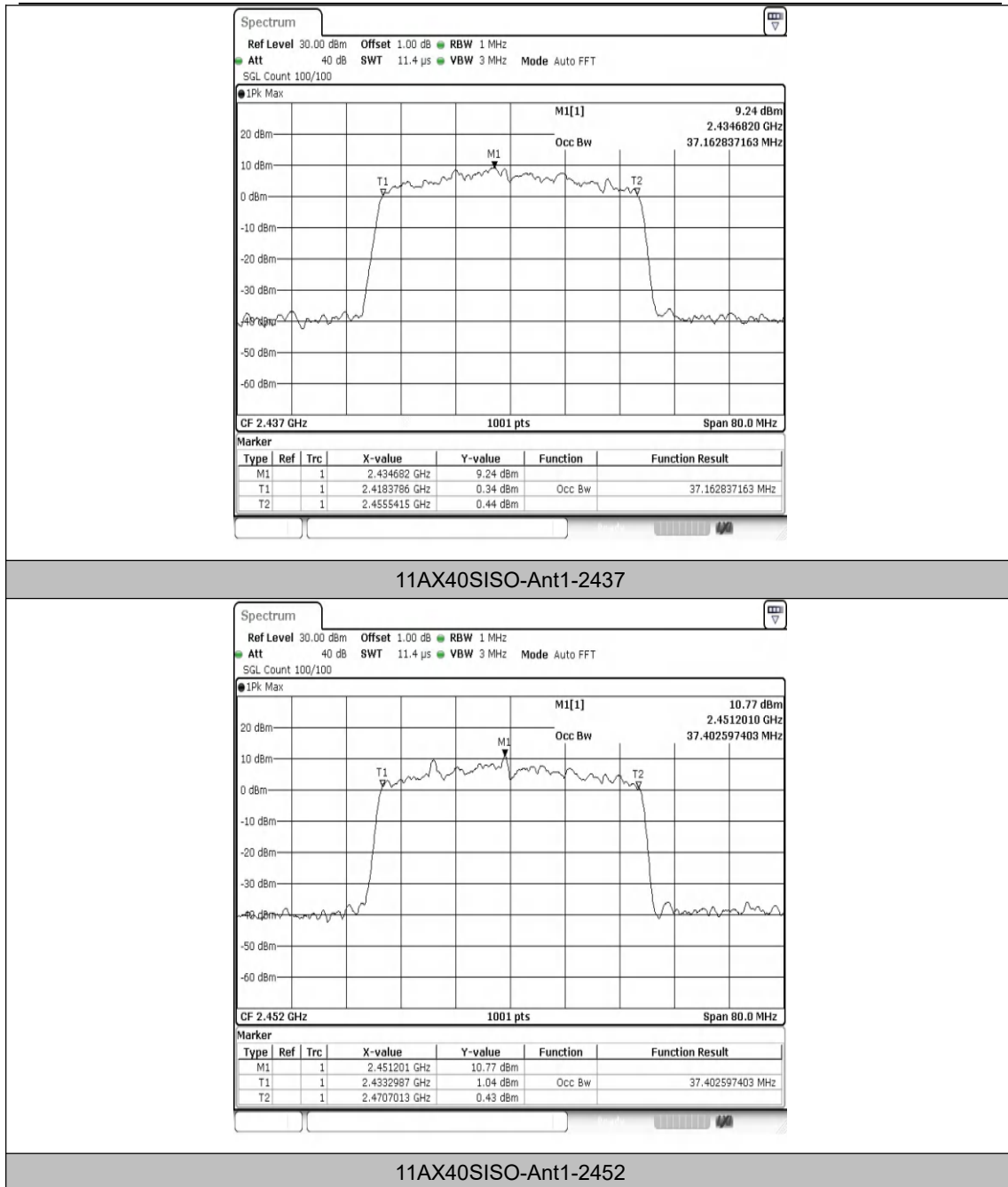




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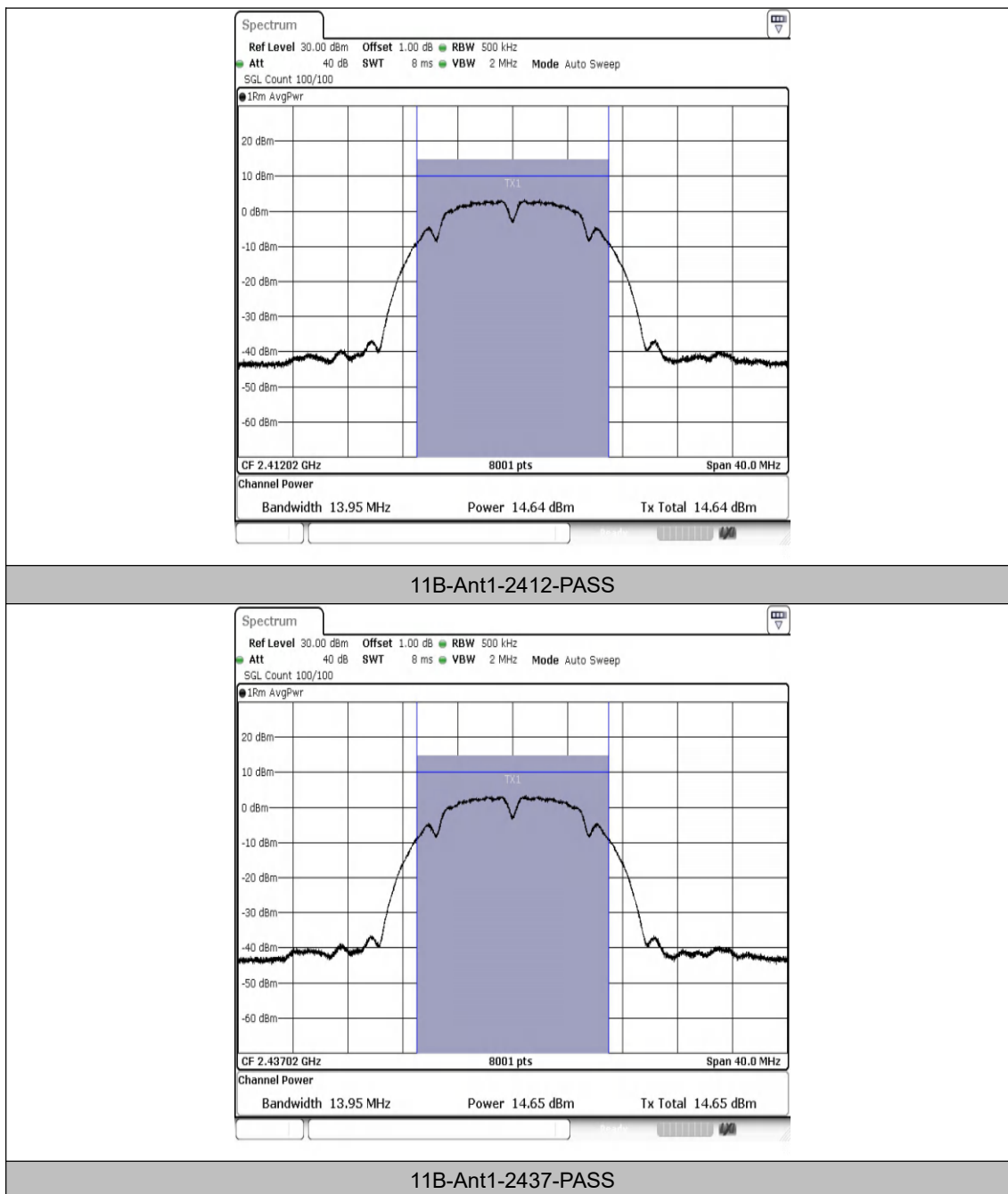
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.64	≤30.00	PASS
11B	Ant1	2437	14.65	≤30.00	PASS
11B	Ant1	2462	14.06	≤30.00	PASS
11G	Ant1	2412	14.30	≤30.00	PASS
11G	Ant1	2437	14.48	≤30.00	PASS
11G	Ant1	2462	14.10	≤30.00	PASS
11N20SISO	Ant1	2412	14.12	≤30.00	PASS
11N20SISO	Ant1	2437	14.31	≤30.00	PASS
11N20SISO	Ant1	2462	13.93	≤30.00	PASS
11N40SISO	Ant1	2422	13.98	≤30.00	PASS
11N40SISO	Ant1	2437	14.23	≤30.00	PASS
11N40SISO	Ant1	2452	13.92	≤30.00	PASS
11AX20SISO	Ant1	2412	14.05	≤30.00	PASS
11AX20SISO	Ant1	2437	14.29	≤30.00	PASS
11AX20SISO	Ant1	2462	13.93	≤30.00	PASS
11AX40SISO	Ant1	2422	14.06	≤30.00	PASS
11AX40SISO	Ant1	2437	14.30	≤30.00	PASS
11AX40SISO	Ant1	2452	13.95	≤30.00	PASS

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

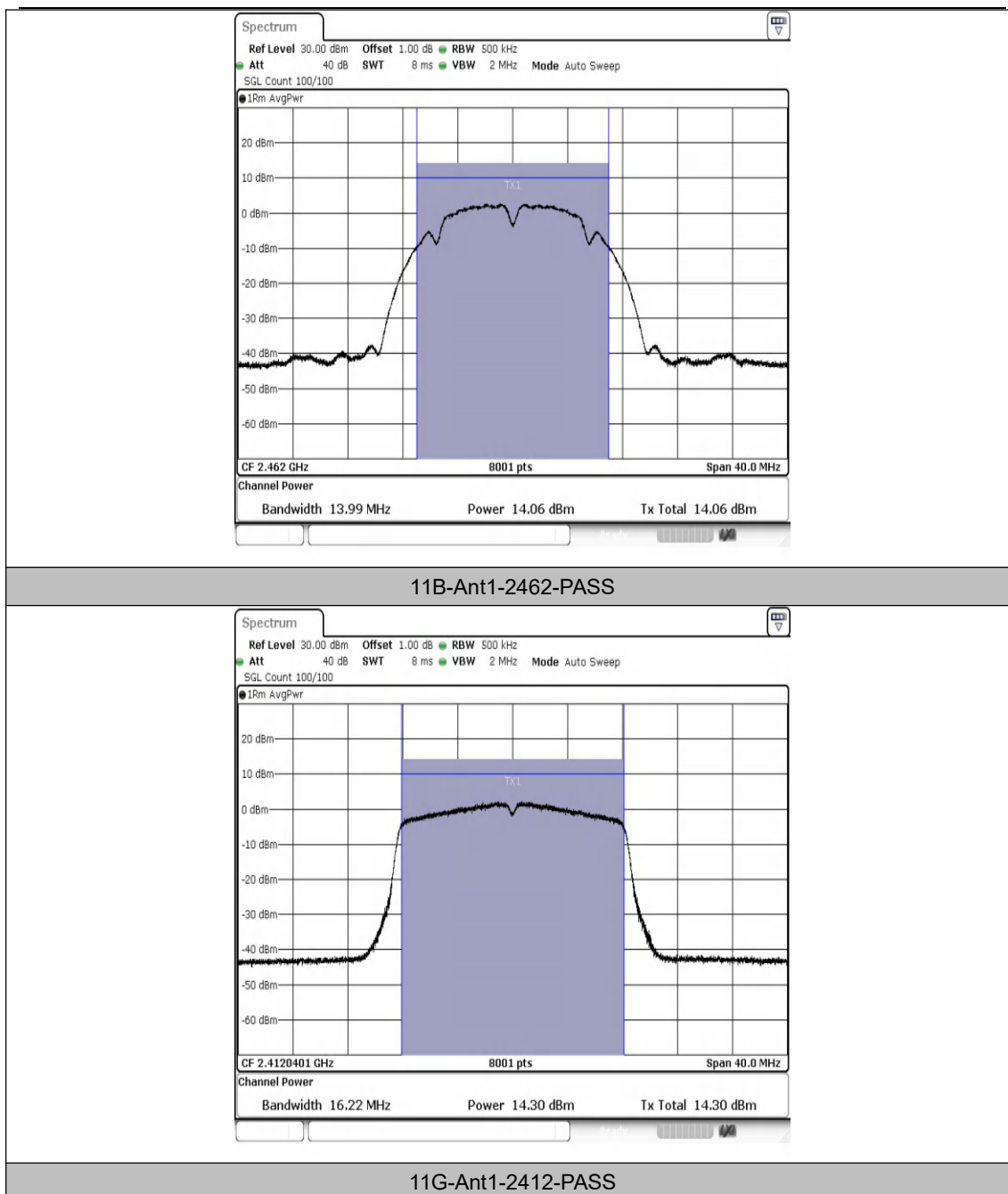
Test Graphs Average



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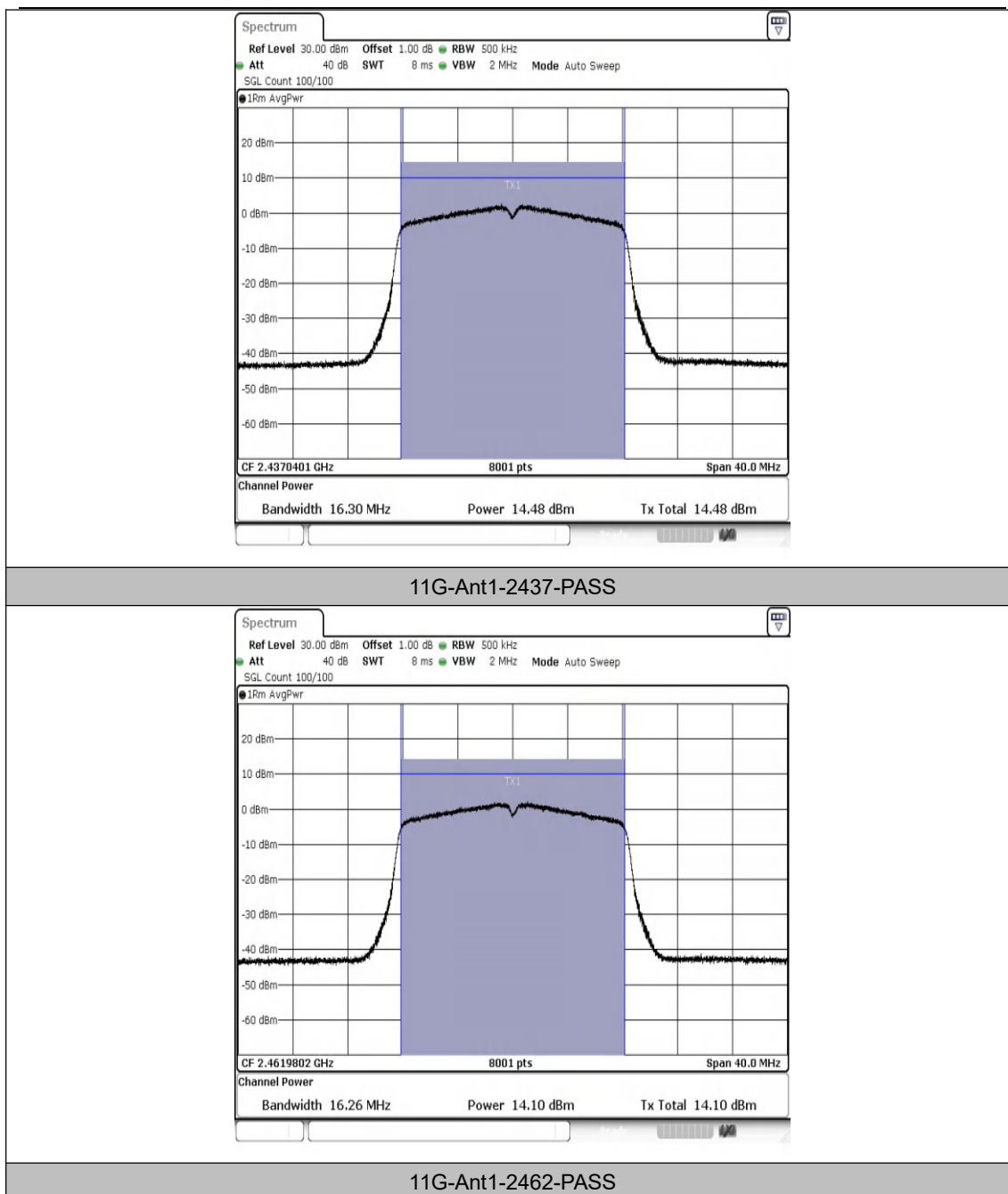
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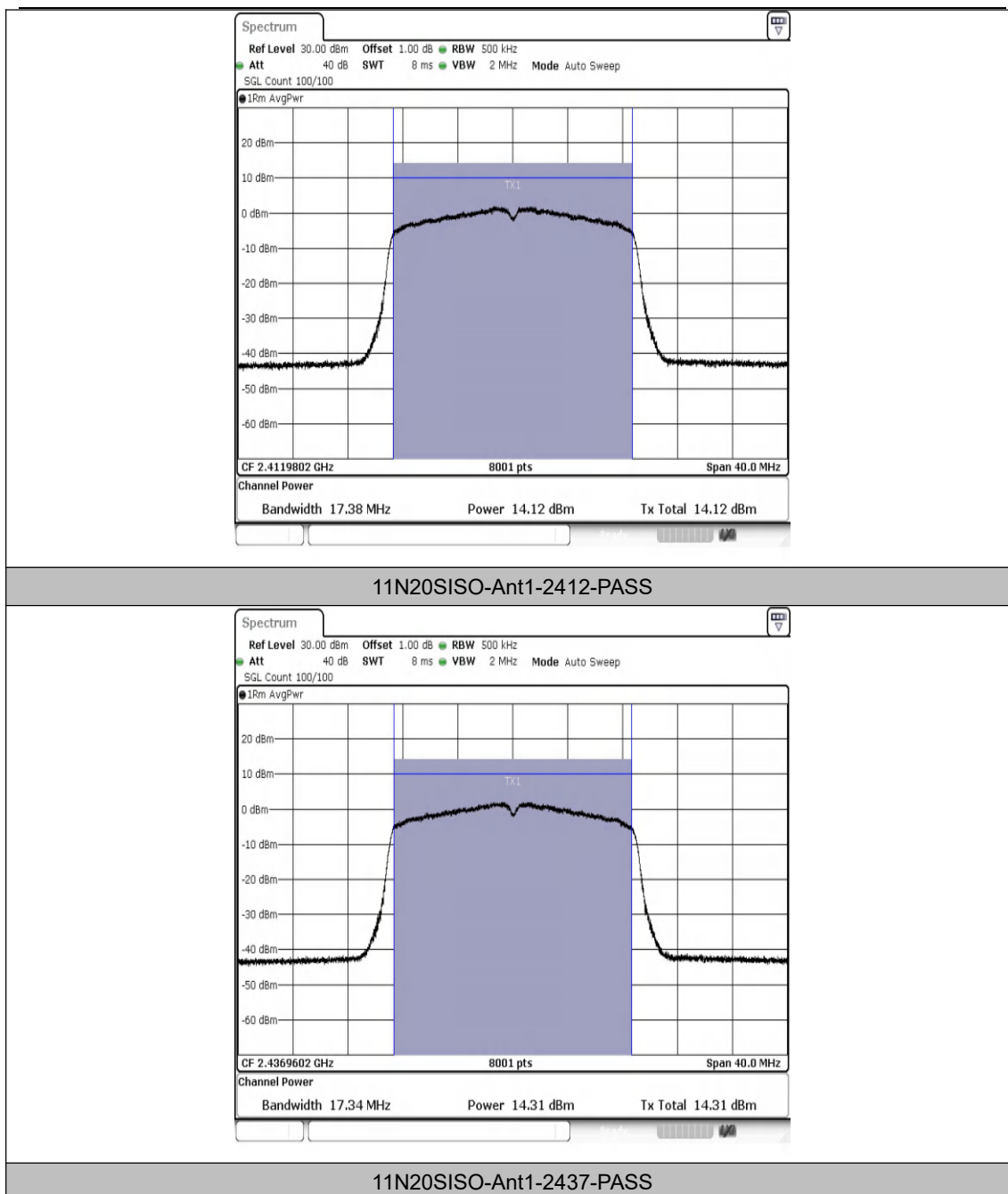
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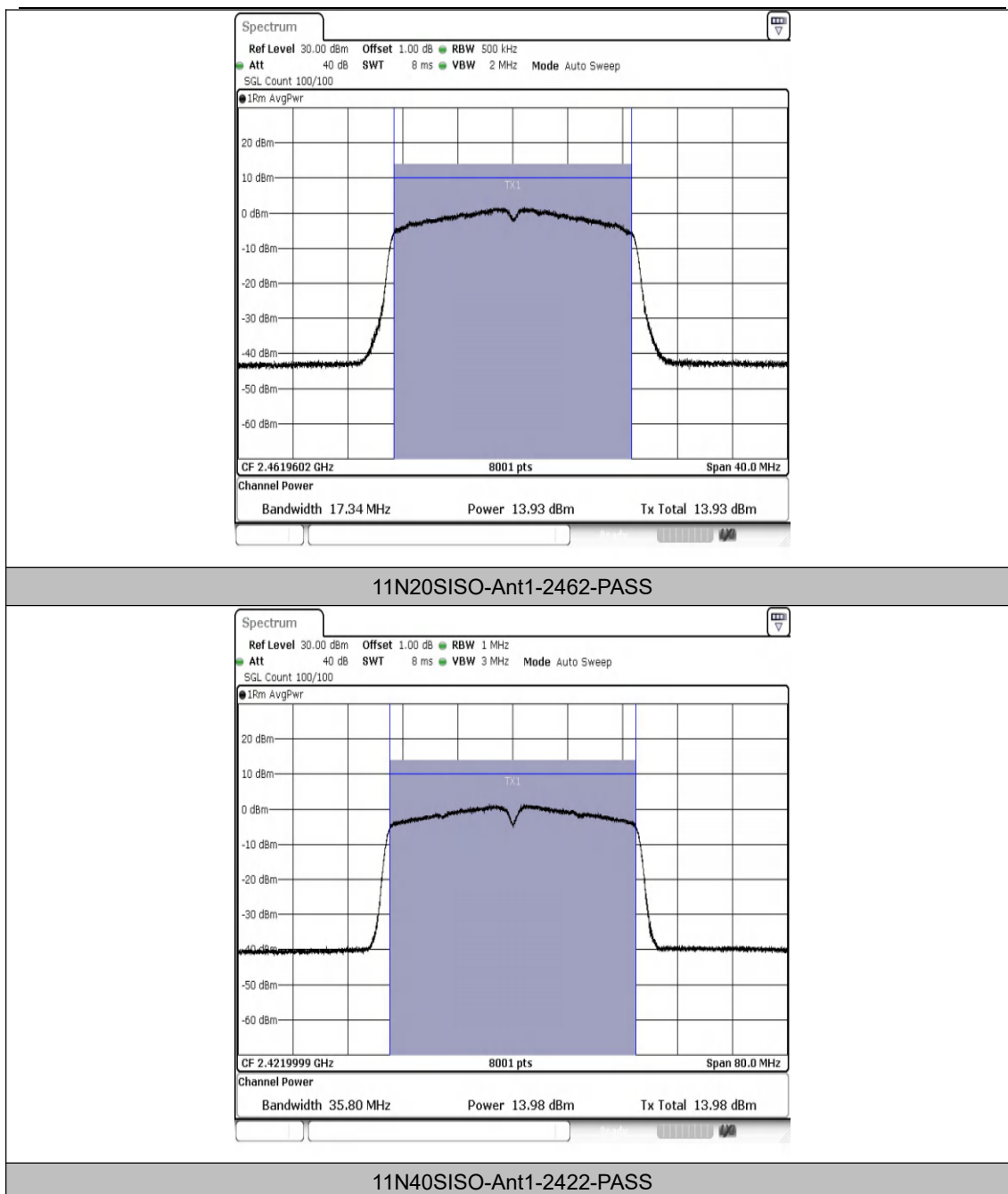
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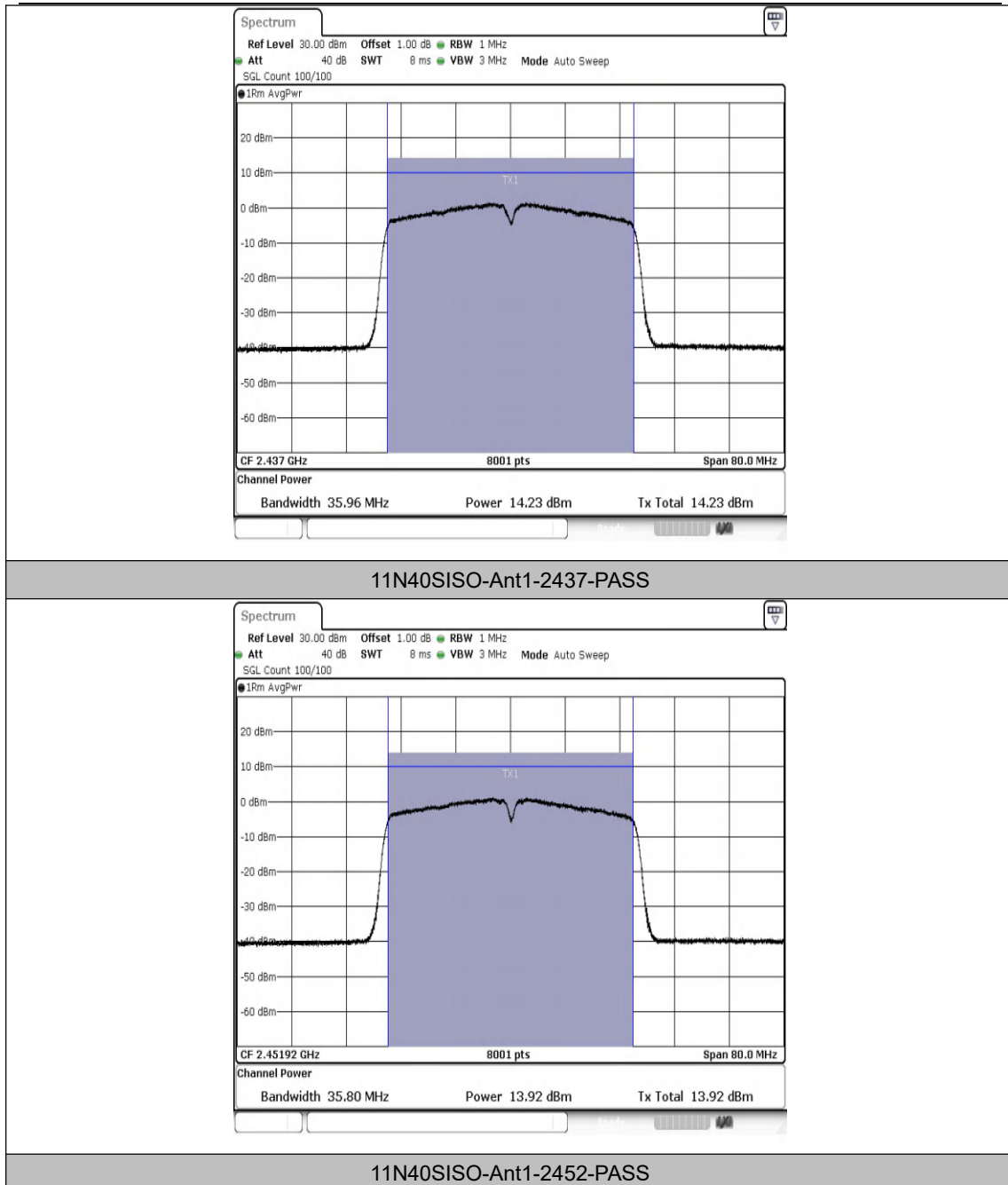
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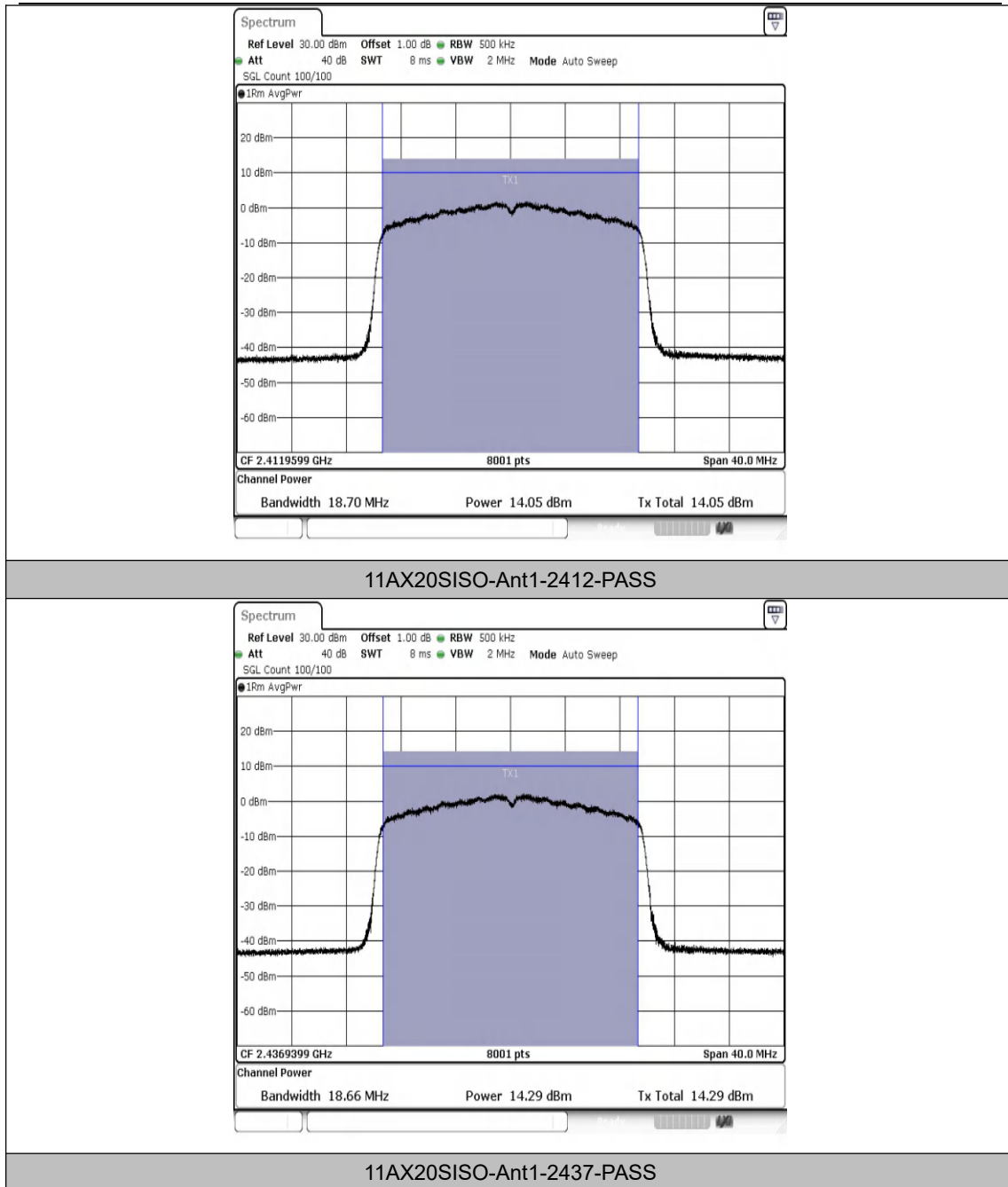
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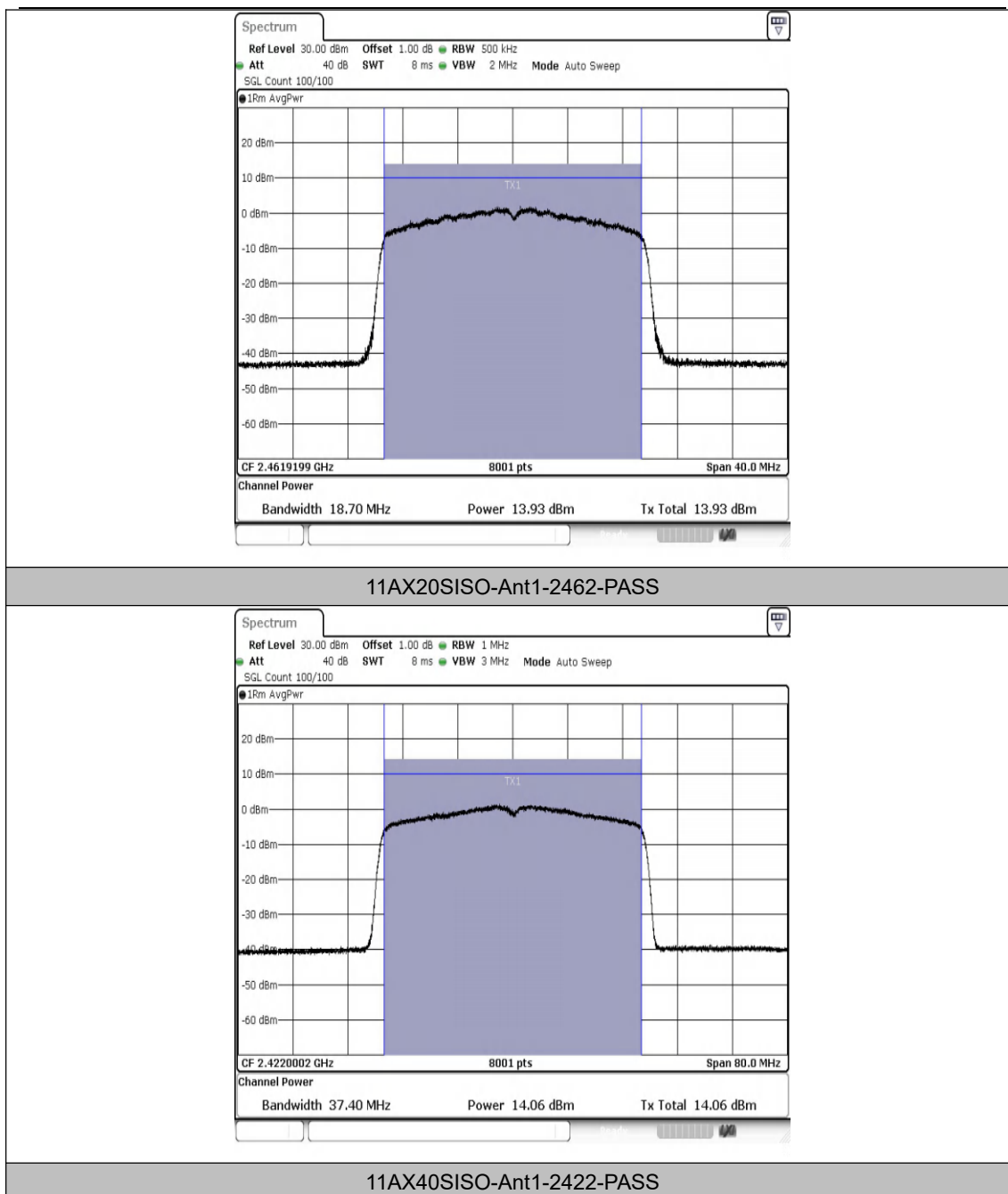
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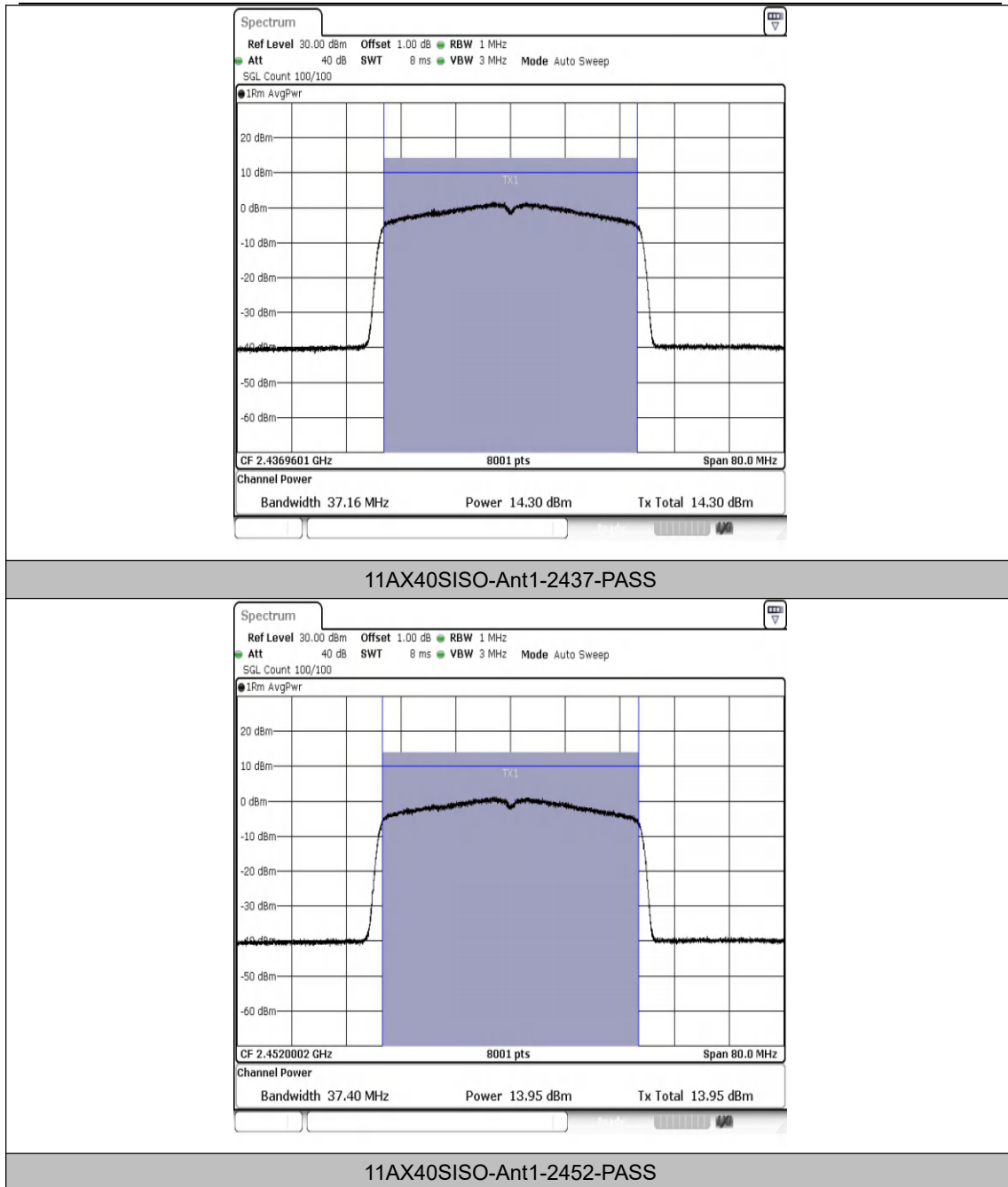


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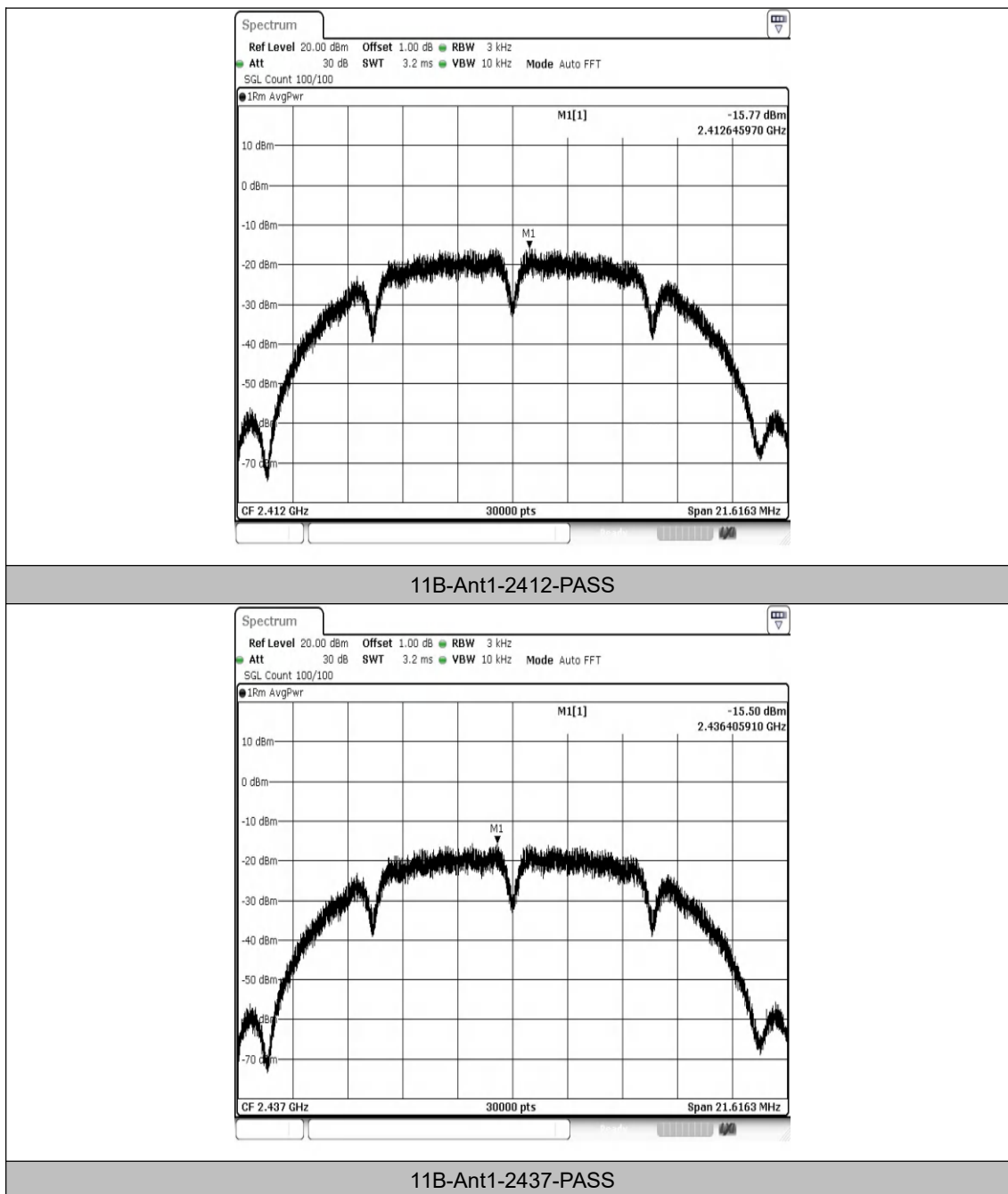
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.77	≤8.00	PASS
11B	Ant1	2437	-15.50	≤8.00	PASS
11B	Ant1	2462	-16.57	≤8.00	PASS
11G	Ant1	2412	-13.98	≤8.00	PASS
11G	Ant1	2437	-14.21	≤8.00	PASS
11G	Ant1	2462	-14.67	≤8.00	PASS
11N20SISO	Ant1	2412	-12.83	≤8.00	PASS
11N20SISO	Ant1	2437	-12.63	≤8.00	PASS
11N20SISO	Ant1	2462	-13.09	≤8.00	PASS
11N40SISO	Ant1	2422	-15.90	≤8.00	PASS
11N40SISO	Ant1	2437	-15.46	≤8.00	PASS
11N40SISO	Ant1	2452	-15.80	≤8.00	PASS
11AX20SISO	Ant1	2412	-12.74	≤8.00	PASS
11AX20SISO	Ant1	2437	-12.62	≤8.00	PASS
11AX20SISO	Ant1	2462	-12.89	≤8.00	PASS
11AX40SISO	Ant1	2422	-15.41	≤8.00	PASS
11AX40SISO	Ant1	2437	-15.17	≤8.00	PASS
11AX40SISO	Ant1	2452	-14.81	≤8.00	PASS

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

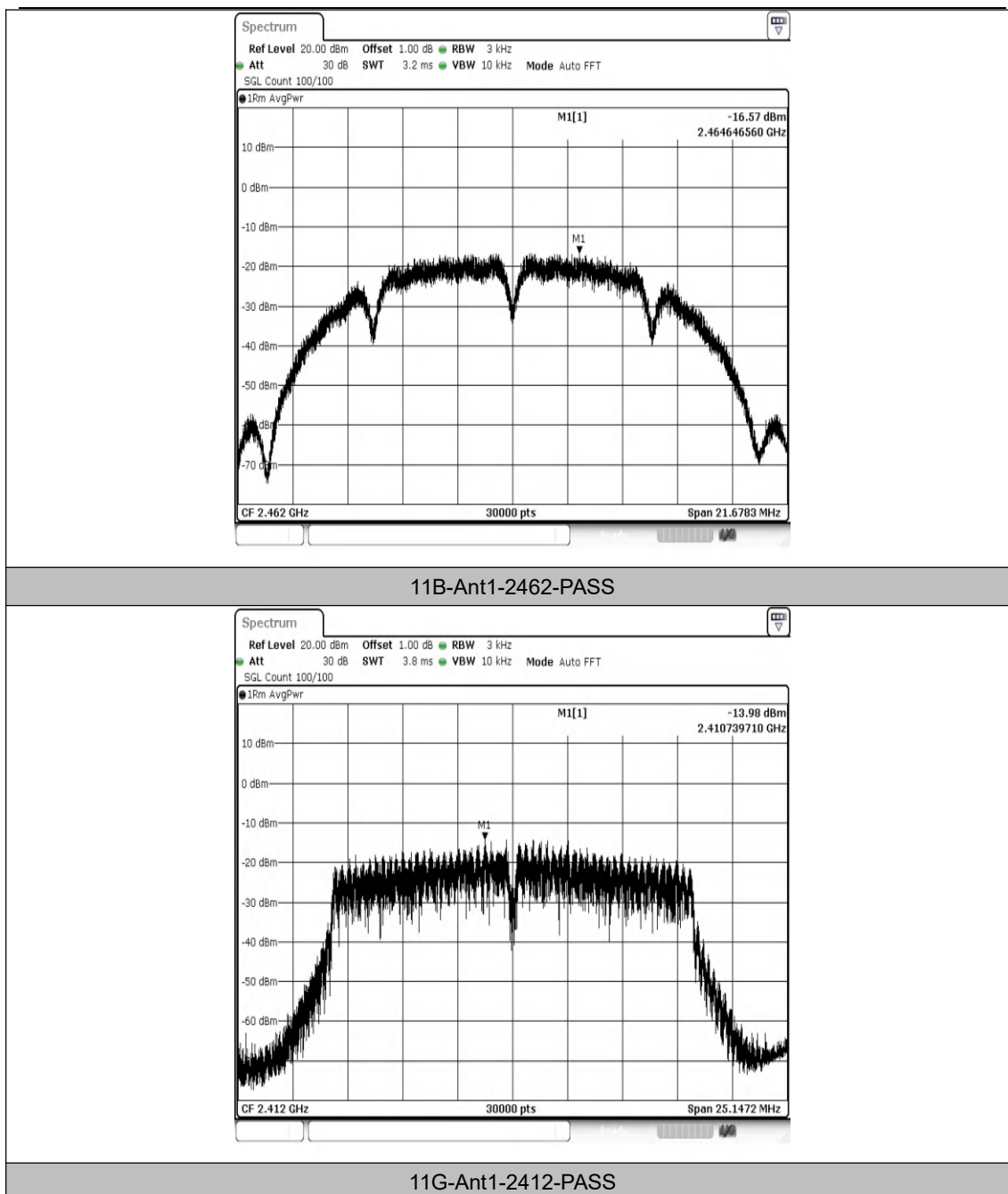
Test Graphs



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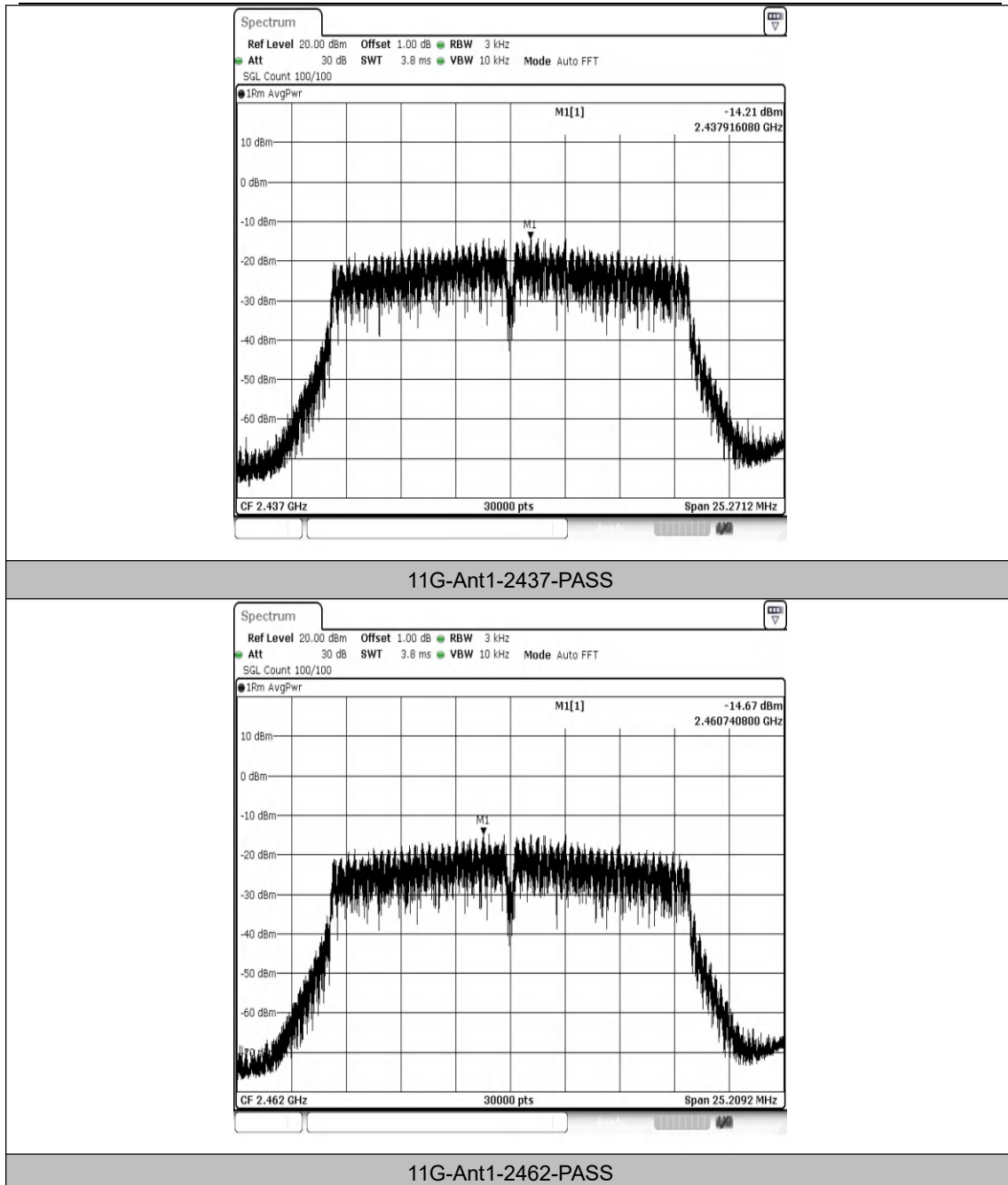
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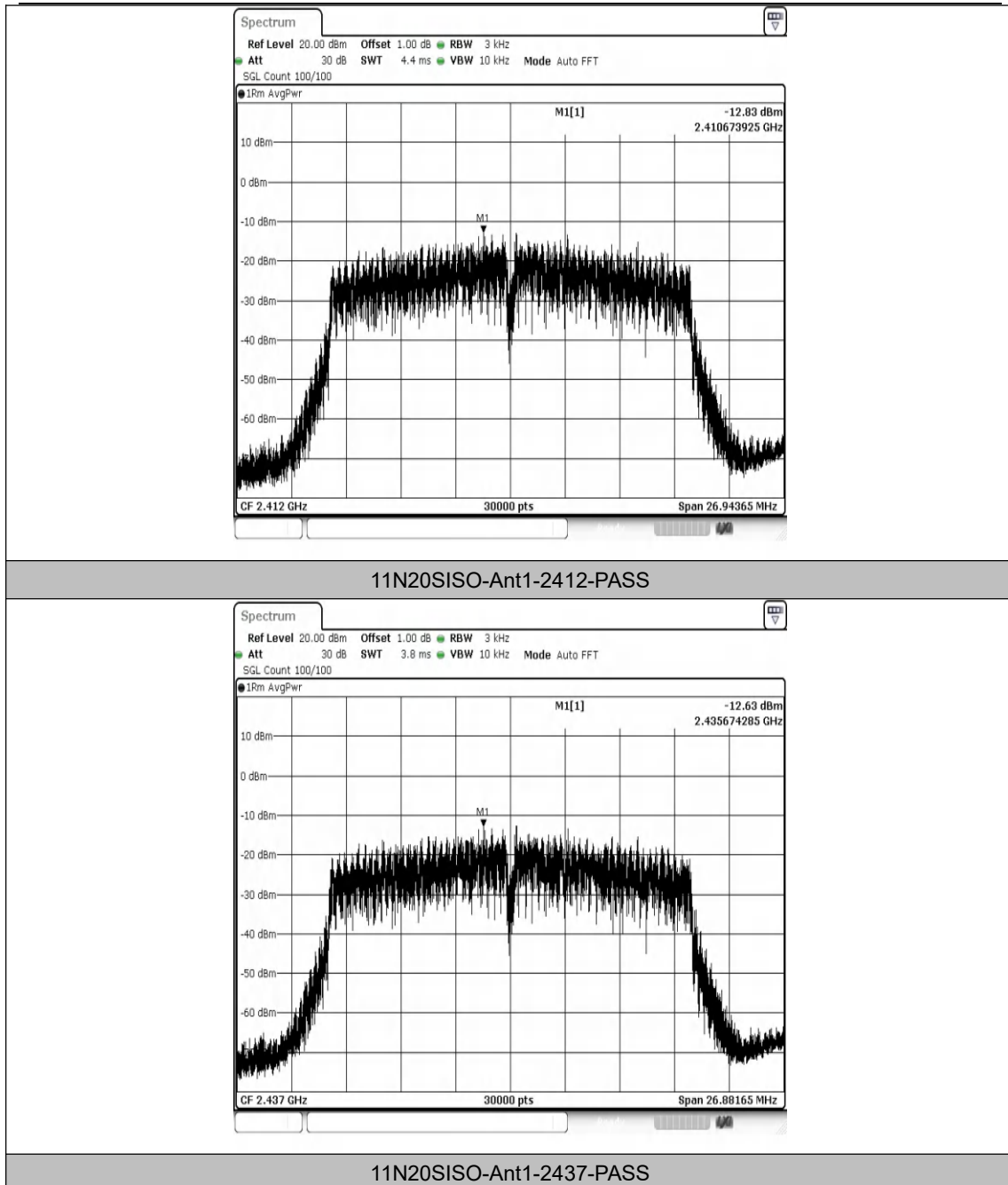
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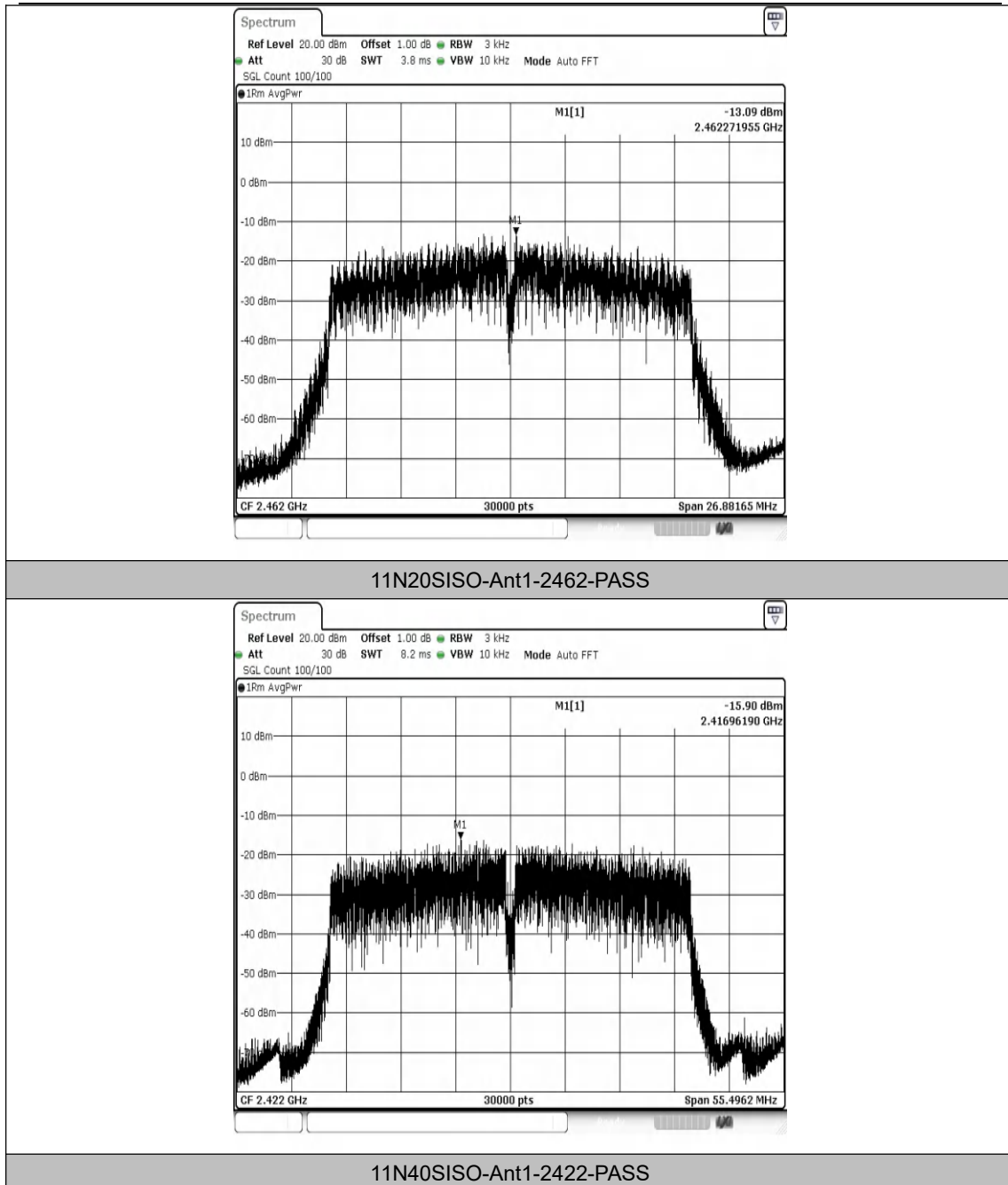
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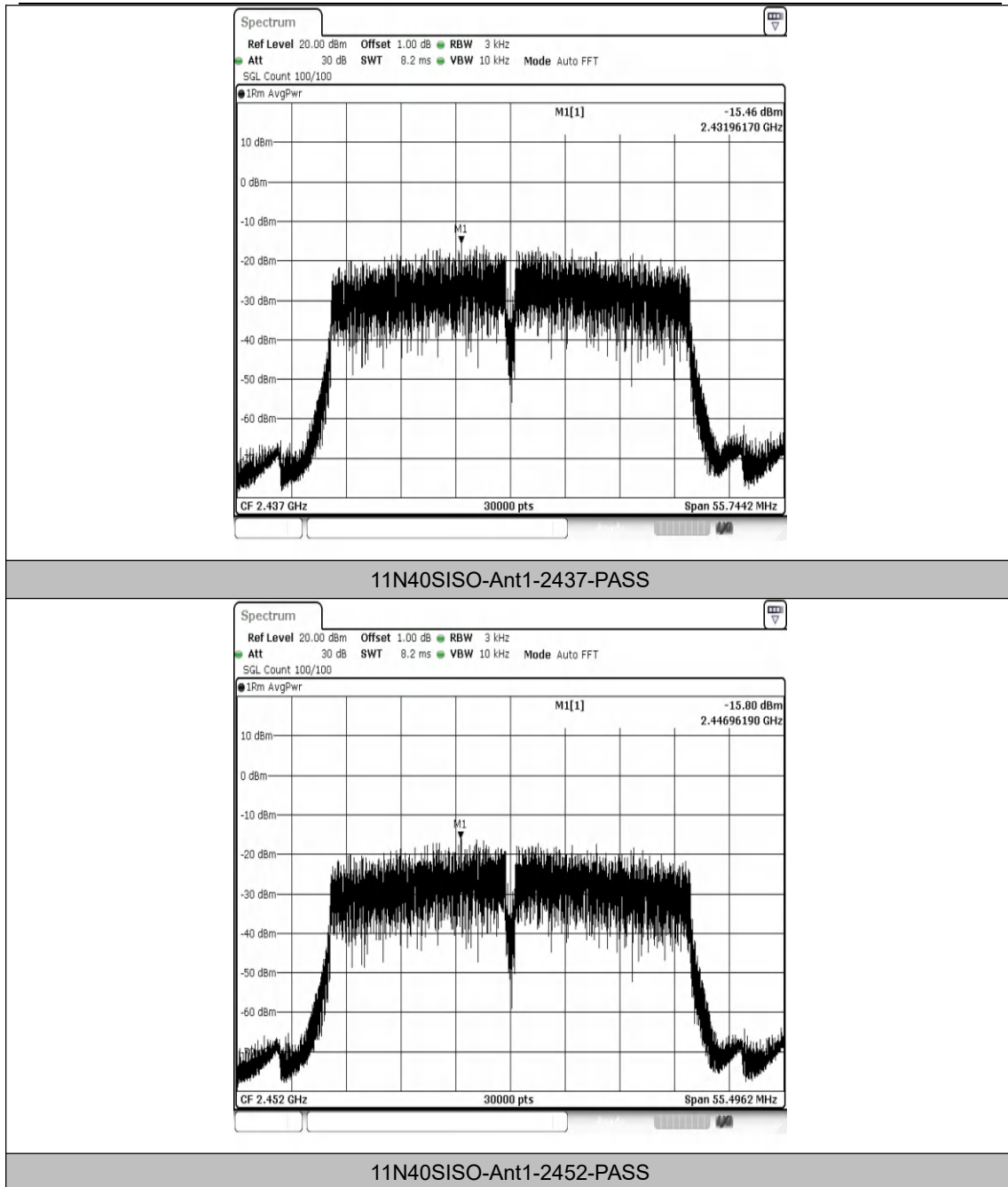
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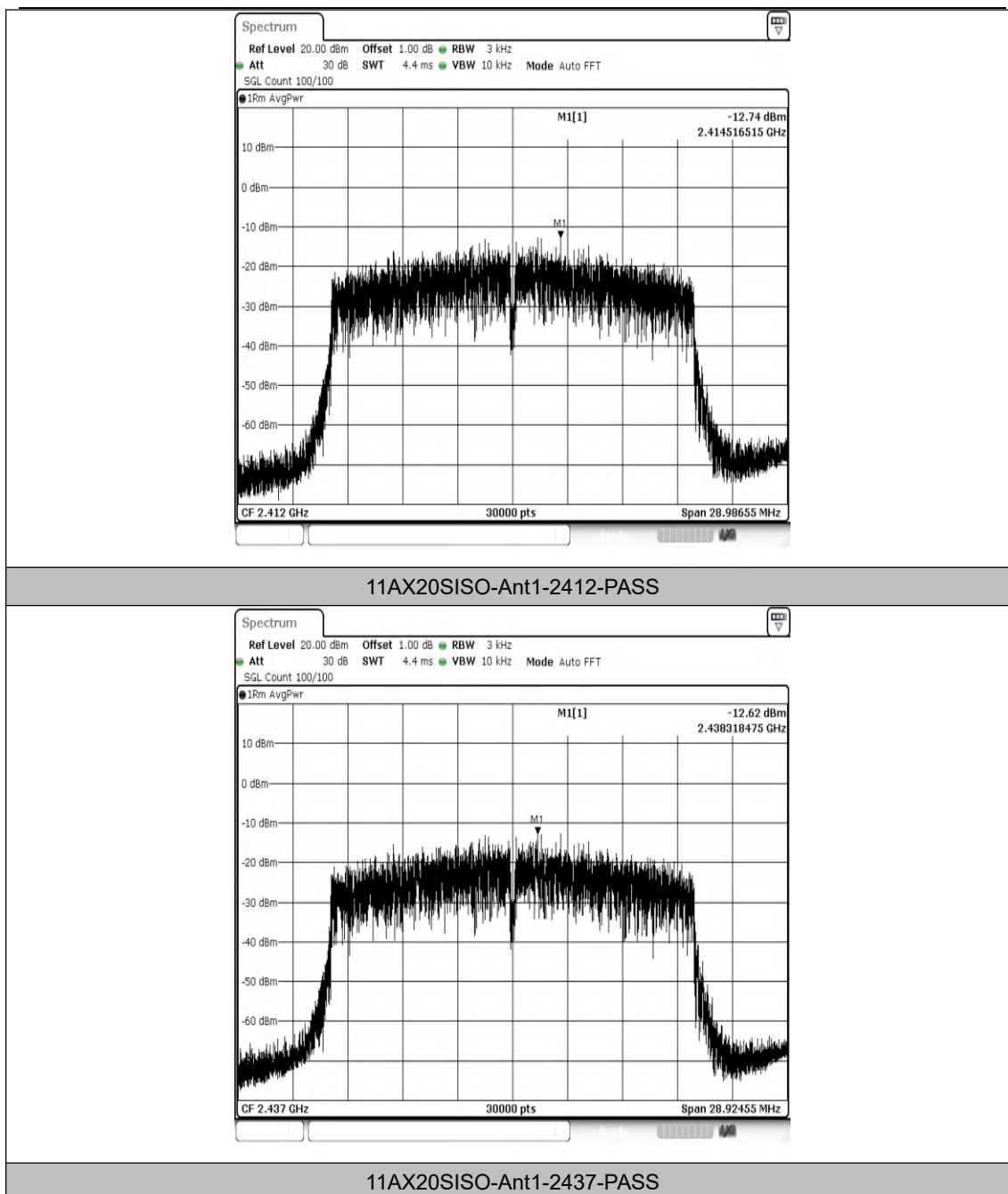
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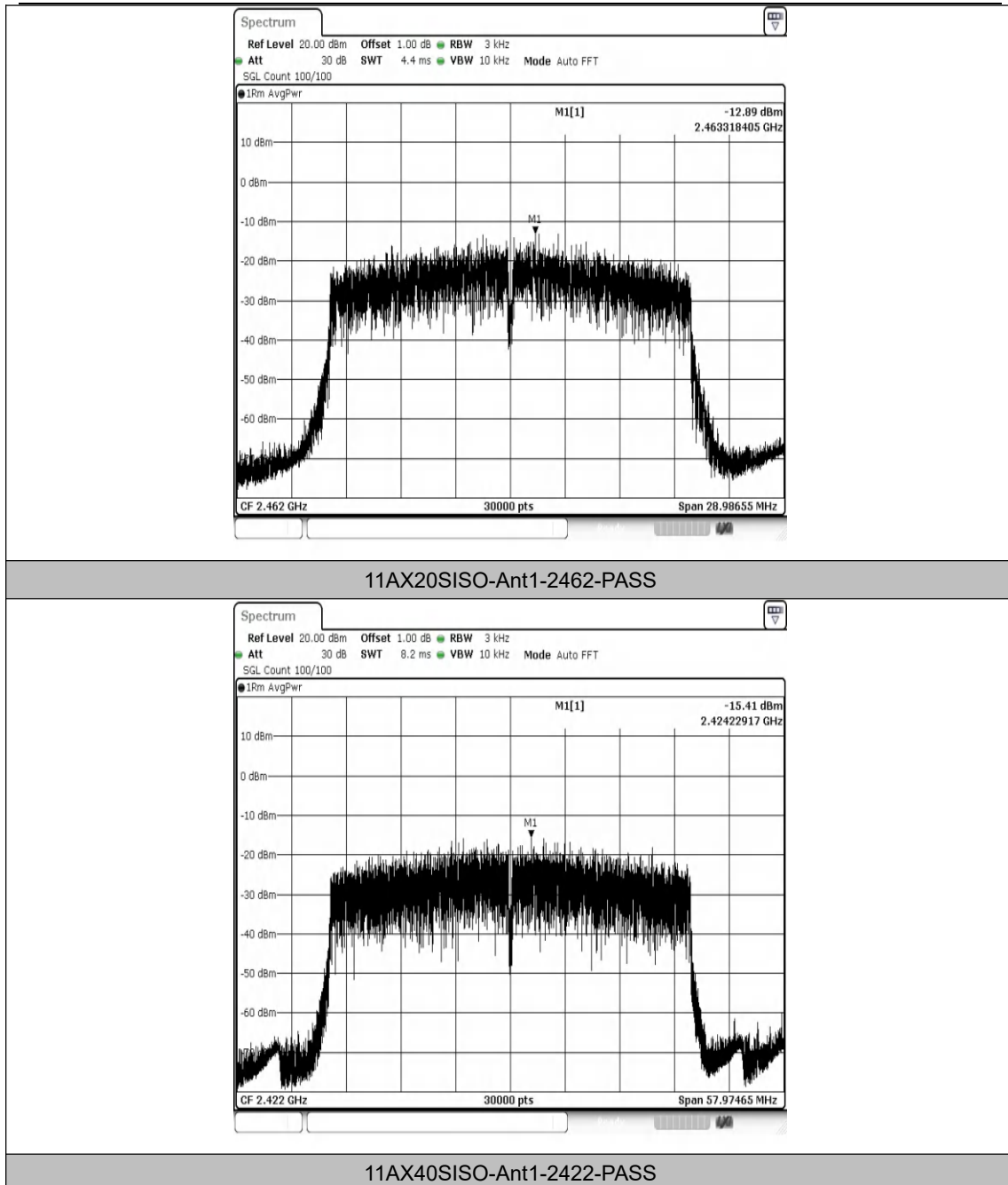
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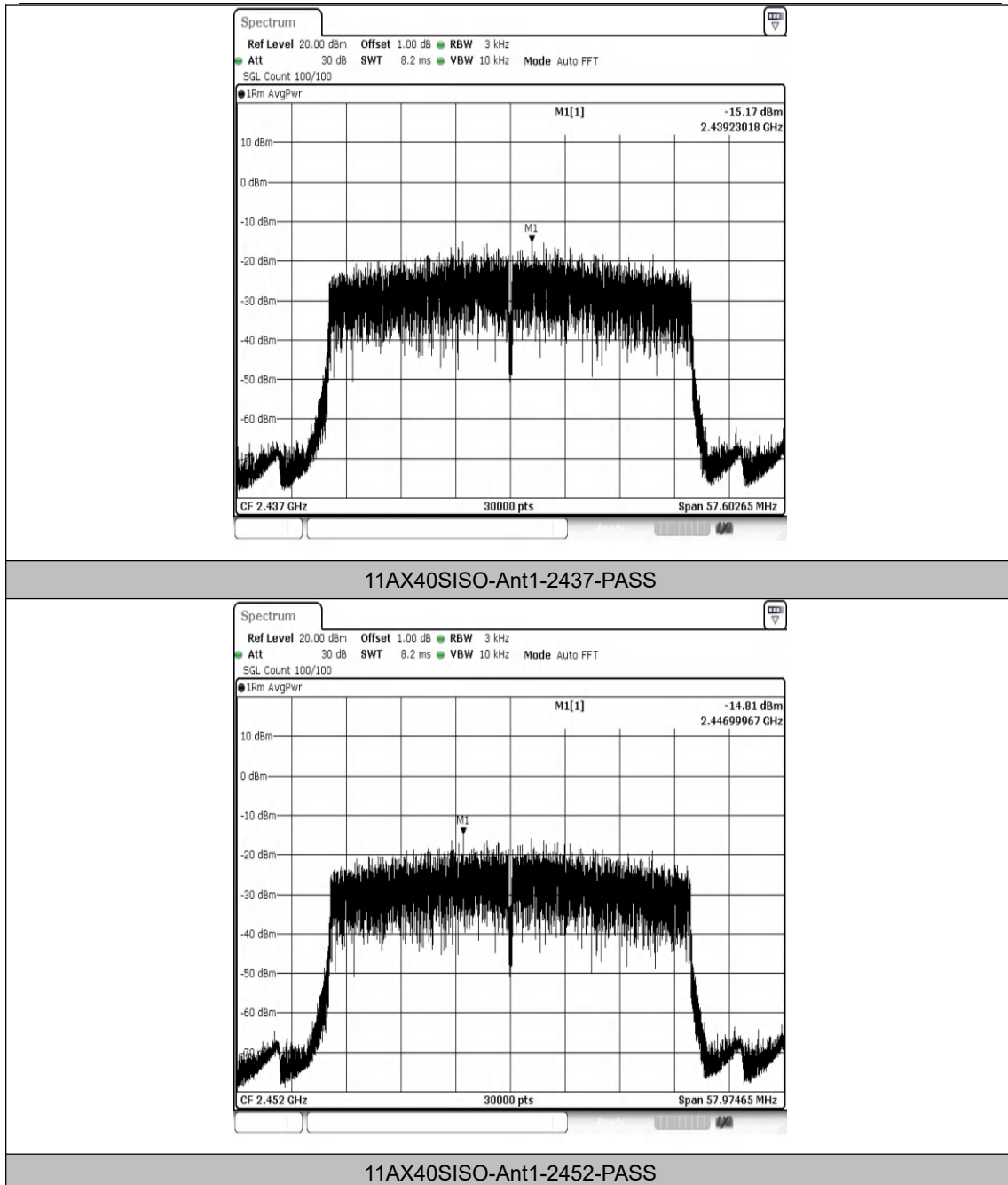
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.99	-41.97	≤-26.01	PASS
11B	Ant1	High	2462	3.02	-54.08	≤-26.98	PASS
11G	Ant1	Low	2412	4.37	-48.51	≤-25.63	PASS
11G	Ant1	High	2462	3.46	-50.03	≤-26.54	PASS
11N20SISO	Ant1	Low	2412	4.53	-48.78	≤-25.47	PASS
11N20SISO	Ant1	High	2462	3.72	-49.45	≤-26.28	PASS
11N40SISO	Ant1	Low	2422	1.54	-46.27	≤-28.46	PASS
11N40SISO	Ant1	High	2452	1.47	-45.96	≤-28.53	PASS
11AX20SISO	Ant1	Low	2412	4.12	-46.86	≤-25.88	PASS
11AX20SISO	Ant1	High	2462	4.00	-50.64	≤-26	PASS
11AX40SISO	Ant1	Low	2422	1.06	-46.89	≤-28.94	PASS
11AX40SISO	Ant1	High	2452	0.60	-46.42	≤-29.4	PASS



Test Graphs

