

Appendix Test Data

Report No.:	1812C50697812503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-26	Finish Test Date:	2025-12-31
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.1°C	Relative Humidity:	41%
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	10.160	2406.960	2417.120	0.5	PASS
11B	Ant1	2437	10.200	2431.920	2442.120	0.5	PASS
11B	Ant1	2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	16.240	2403.880	2420.120	0.5	PASS
11G	Ant1	2437	16.360	2428.800	2445.160	0.5	PASS
11G	Ant1	2462	16.200	2453.880	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.400	2420.560	0.5	PASS
11N20SISO	Ant1	2437	17.360	2428.360	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.120	2453.400	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.160	2439.920	0.5	PASS
11N40SISO	Ant1	2437	35.840	2419.080	2454.920	0.5	PASS
11N40SISO	Ant1	2452	35.600	2434.160	2469.760	0.5	PASS
11AX20SISO	Ant1	2412	18.600	2402.680	2421.280	0.5	PASS
11AX20SISO	Ant1	2437	18.280	2427.800	2446.080	0.5	PASS
11AX20SISO	Ant1	2462	18.360	2452.640	2471.000	0.5	PASS
11AX40SISO	Ant1	2422	37.200	2403.440	2440.640	0.5	PASS
11AX40SISO	Ant1	2437	37.040	2418.360	2455.400	0.5	PASS
11AX40SISO	Ant1	2452	37.600	2433.360	2470.960	0.5	PASS

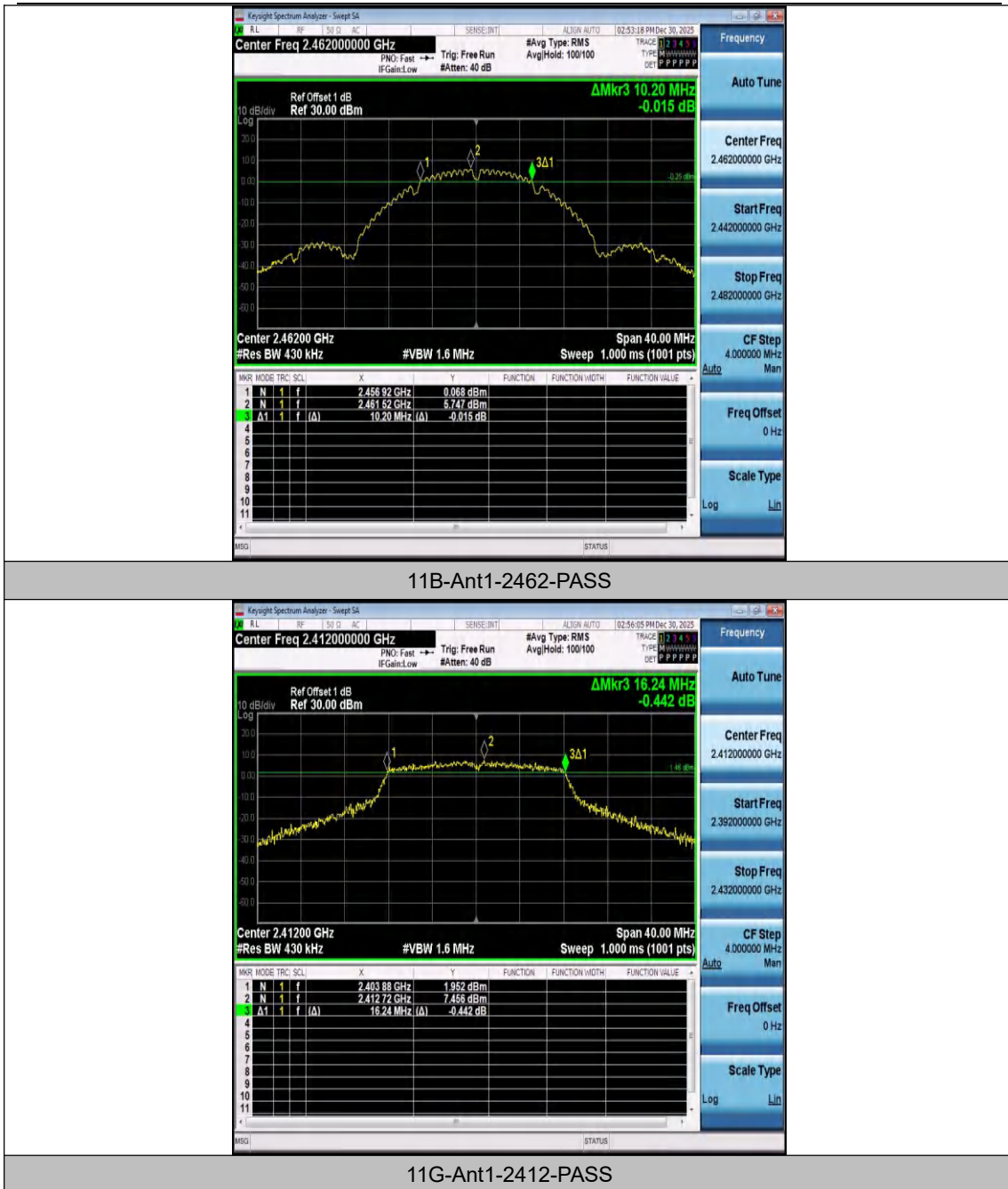
Test Graphs



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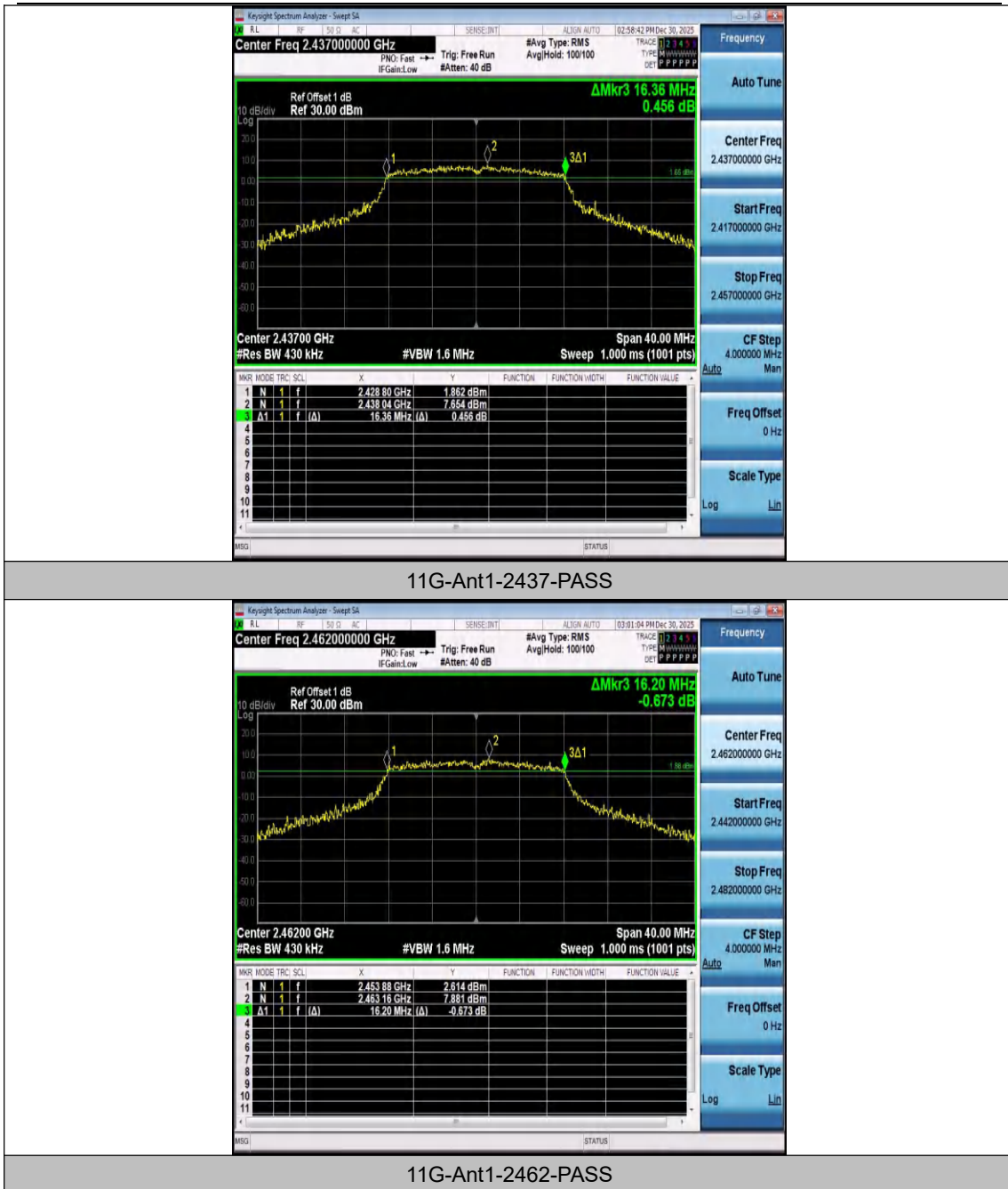
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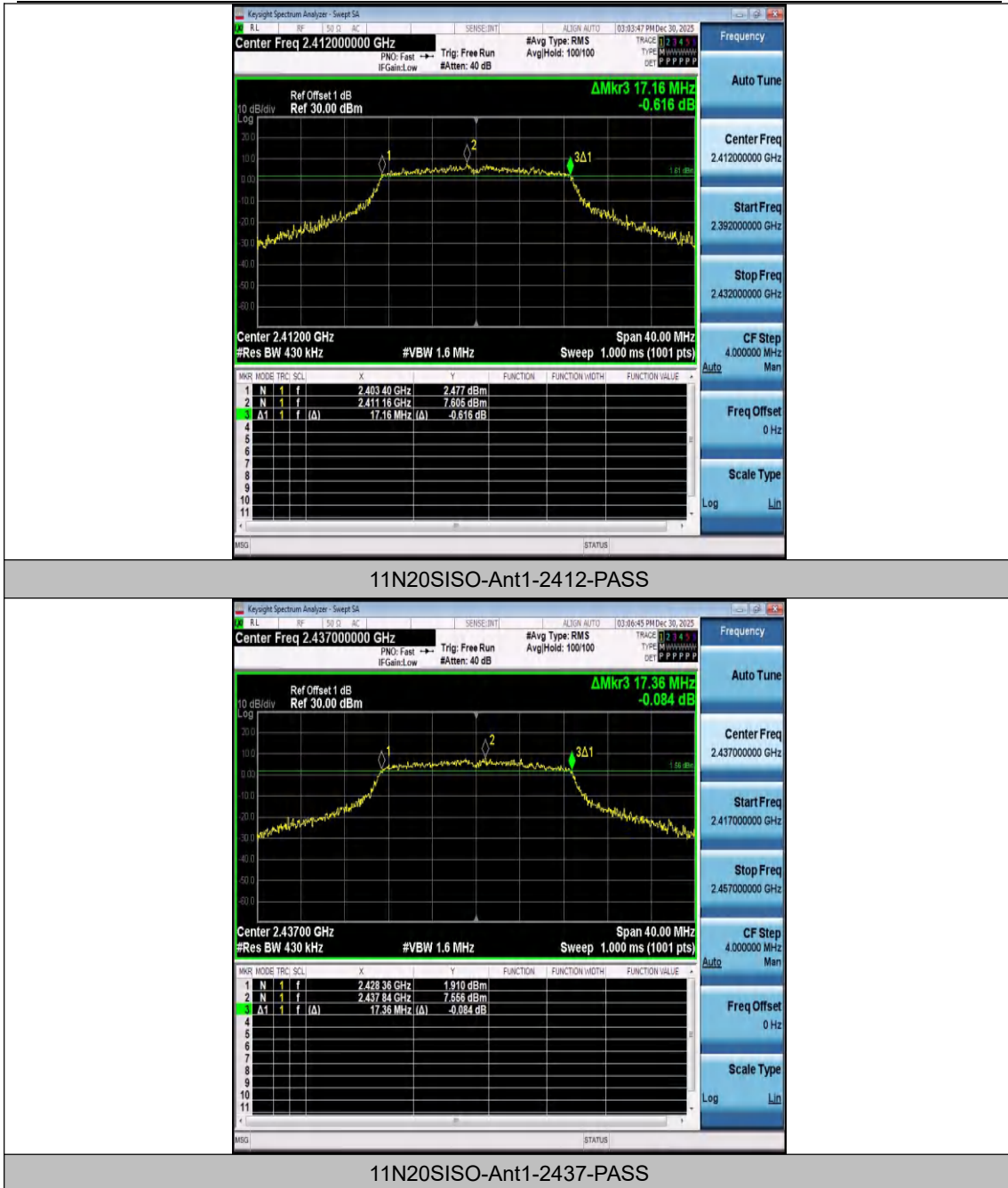
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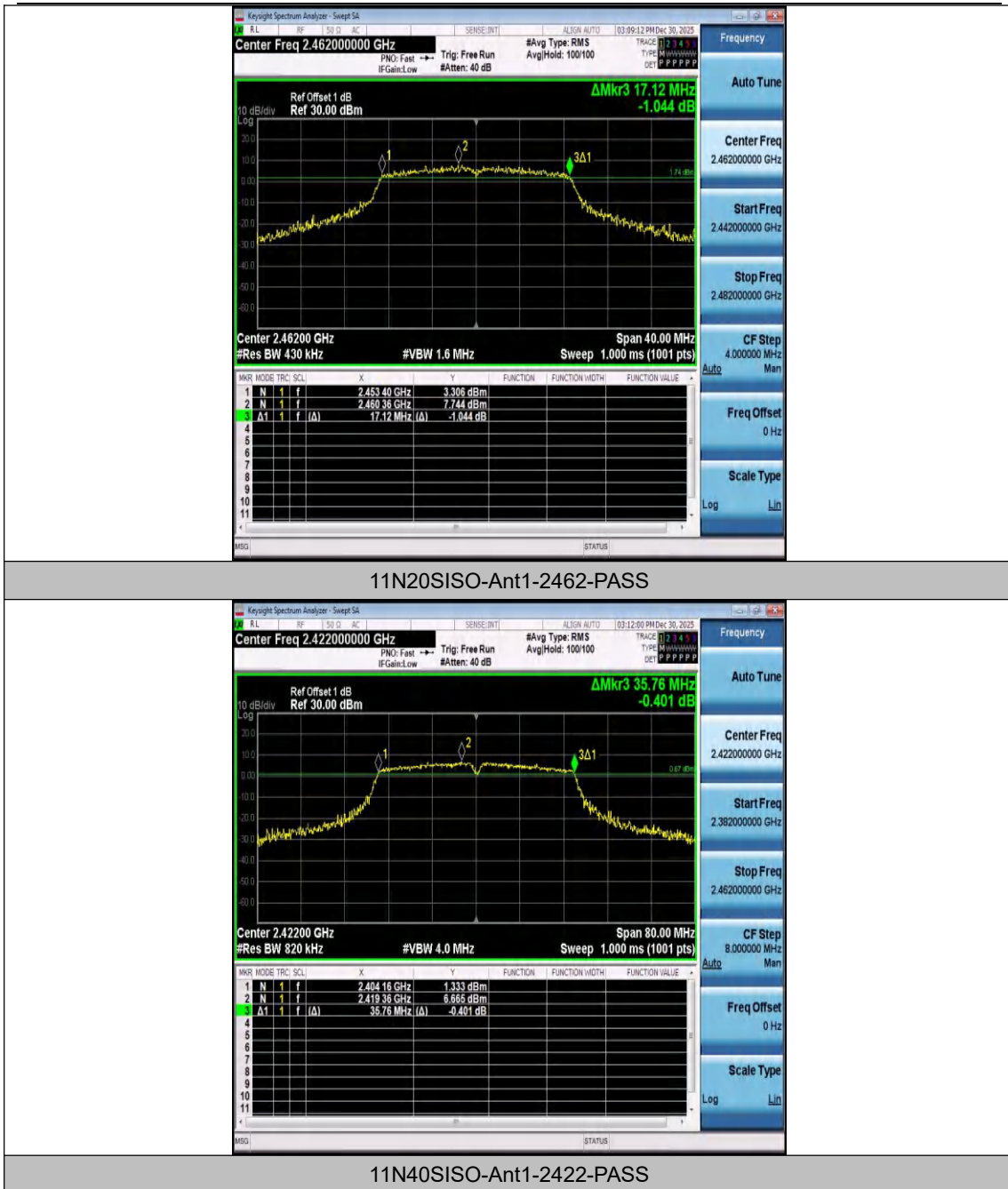
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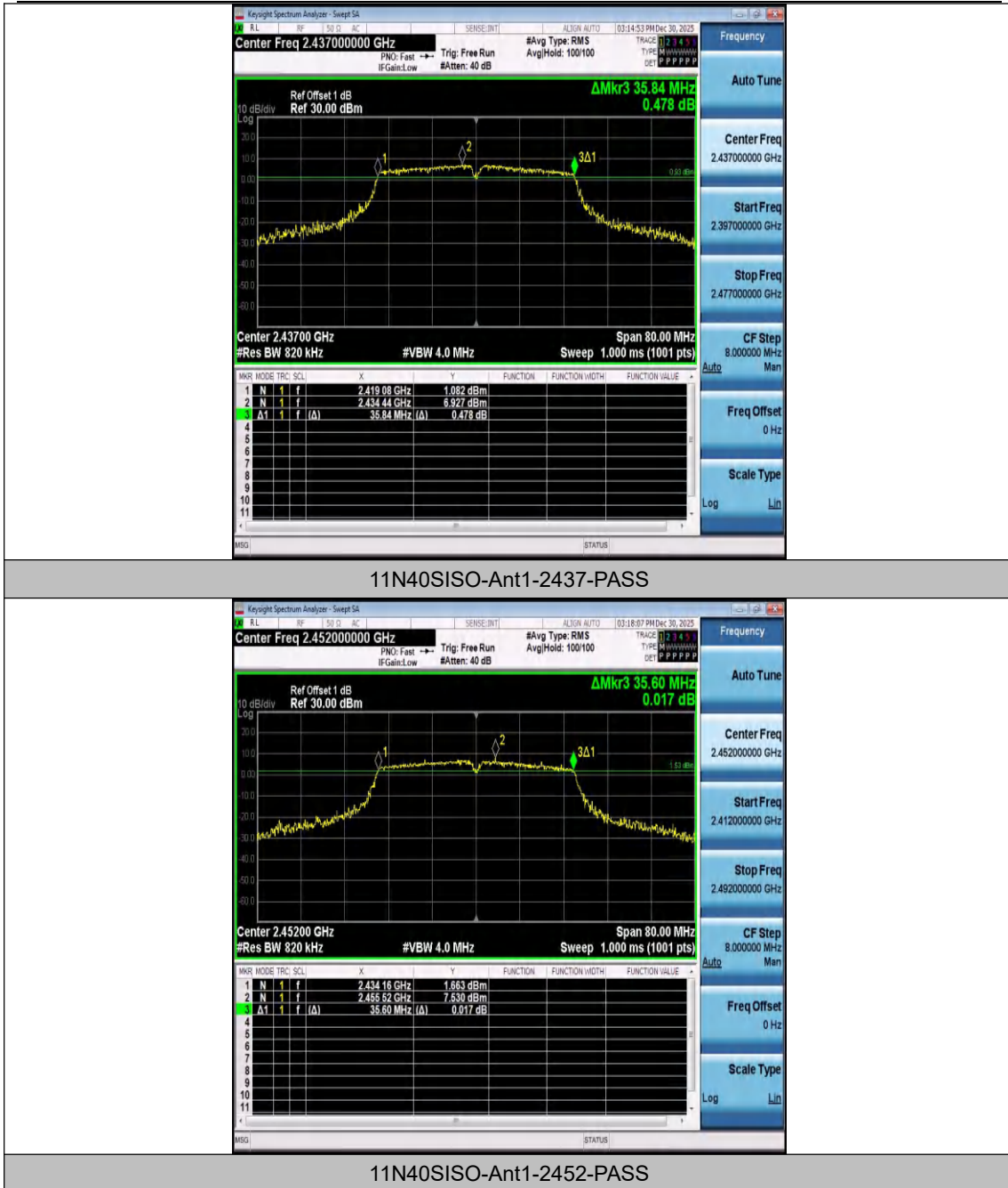
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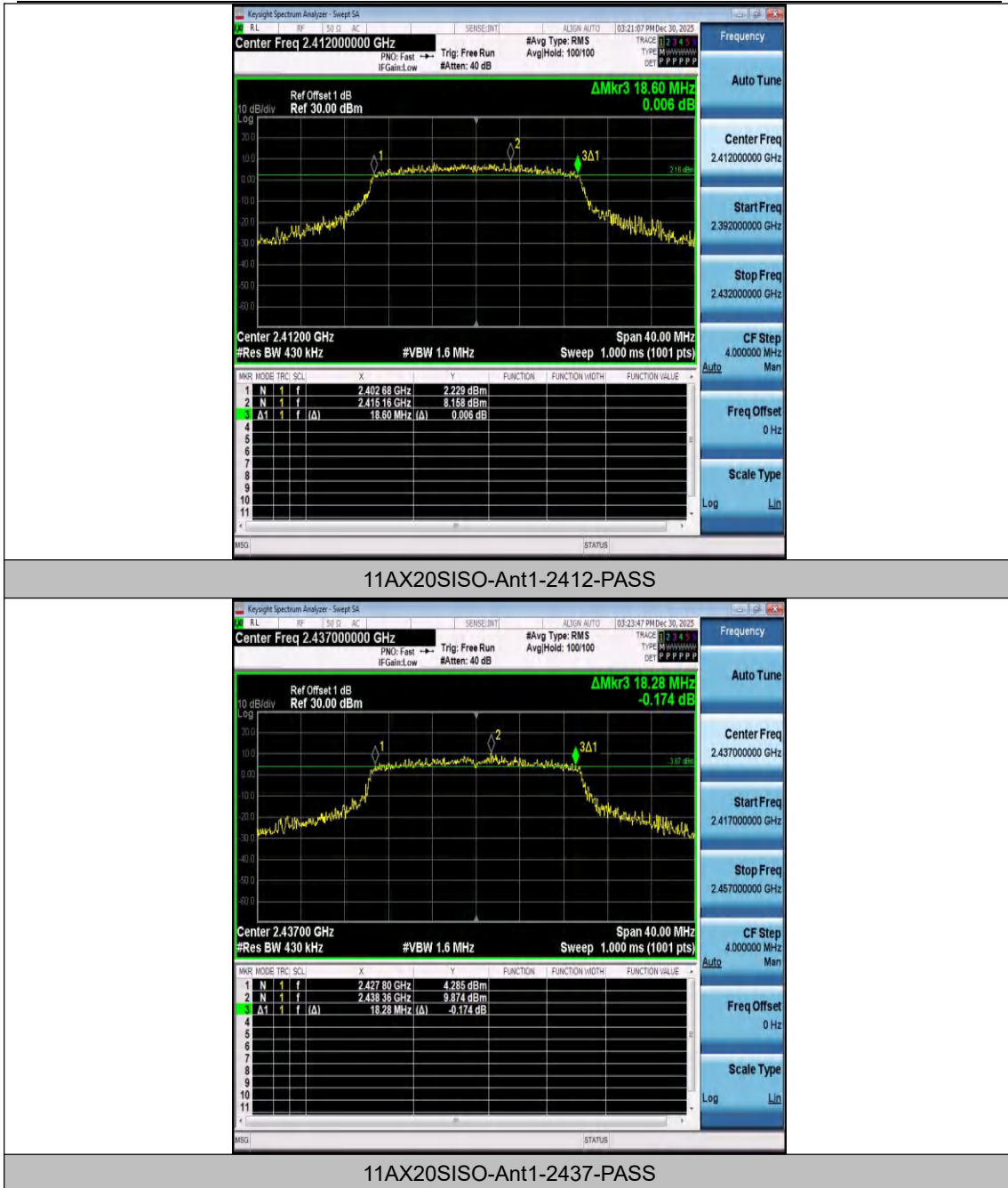
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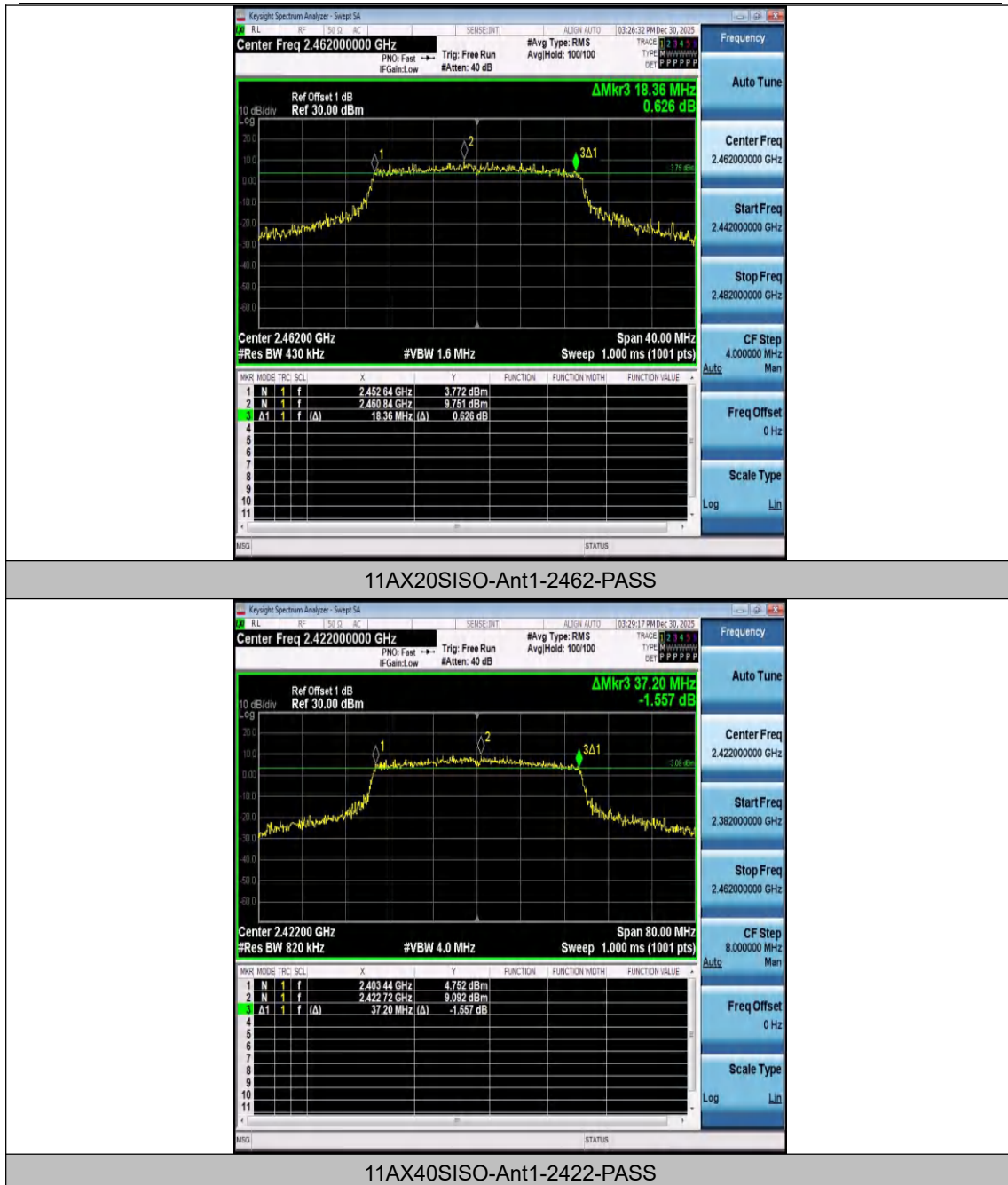


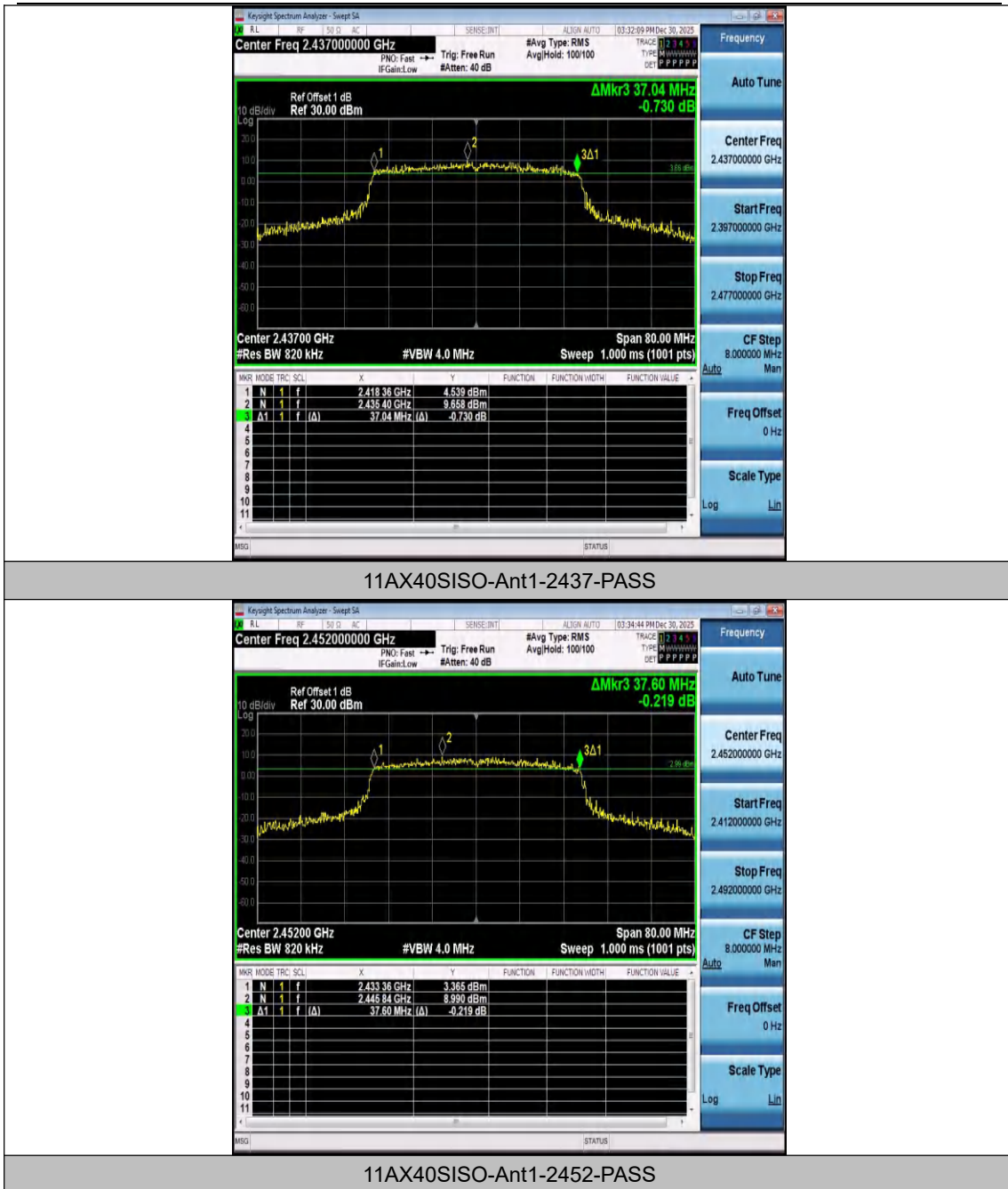
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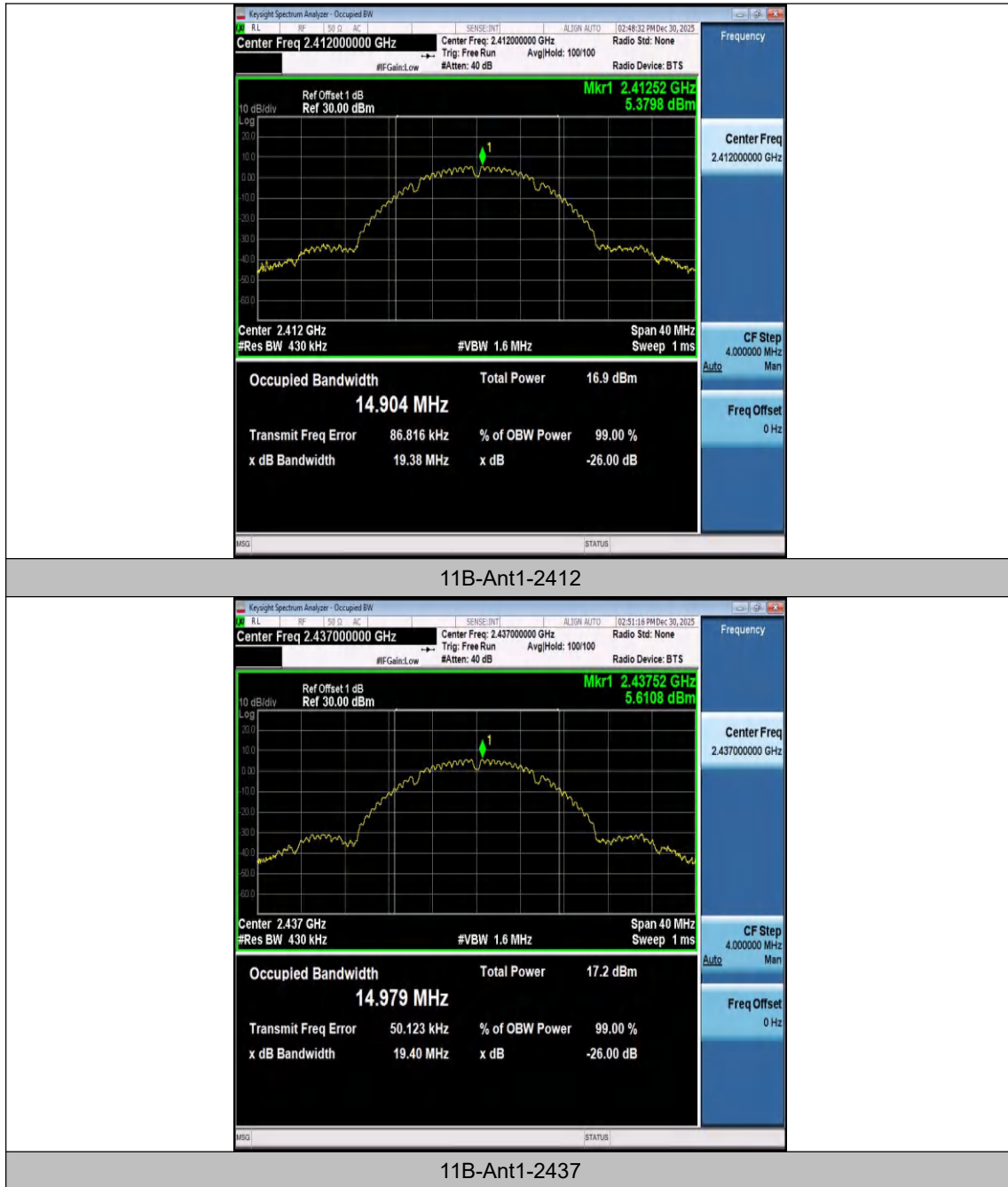


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.904	2404.6348	2419.5388	---	---
11B	Ant1	2437	14.979	2429.5606	2444.5396	---	---
11B	Ant1	2462	15.071	2454.4795	2469.5505	---	---
11G	Ant1	2412	17.314	2403.3445	2420.6585	---	---
11G	Ant1	2437	17.440	2428.2395	2445.6795	---	---
11G	Ant1	2462	17.431	2453.2644	2470.6954	---	---
11N20SISO	Ant1	2412	18.417	2402.7675	2421.1845	---	---
11N20SISO	Ant1	2437	18.532	2427.6771	2446.2091	---	---
11N20SISO	Ant1	2462	18.450	2452.7120	2471.1620	---	---
11N40SISO	Ant1	2422	36.689	2403.6604	2440.3494	---	---
11N40SISO	Ant1	2437	36.827	2418.5759	2455.4029	---	---
11N40SISO	Ant1	2452	36.671	2433.6265	2470.2975	---	---
11AX20SISO	Ant1	2412	19.177	2402.4134	2421.5904	---	---
11AX20SISO	Ant1	2437	19.276	2427.3882	2446.6642	---	---
11AX20SISO	Ant1	2462	19.252	2452.4004	2471.6524	---	---
11AX40SISO	Ant1	2422	37.881	2403.0622	2440.9432	---	---
11AX40SISO	Ant1	2437	37.968	2418.0599	2456.0279	---	---
11AX40SISO	Ant1	2452	38.113	2432.9626	2471.0756	---	---

Test Graphs



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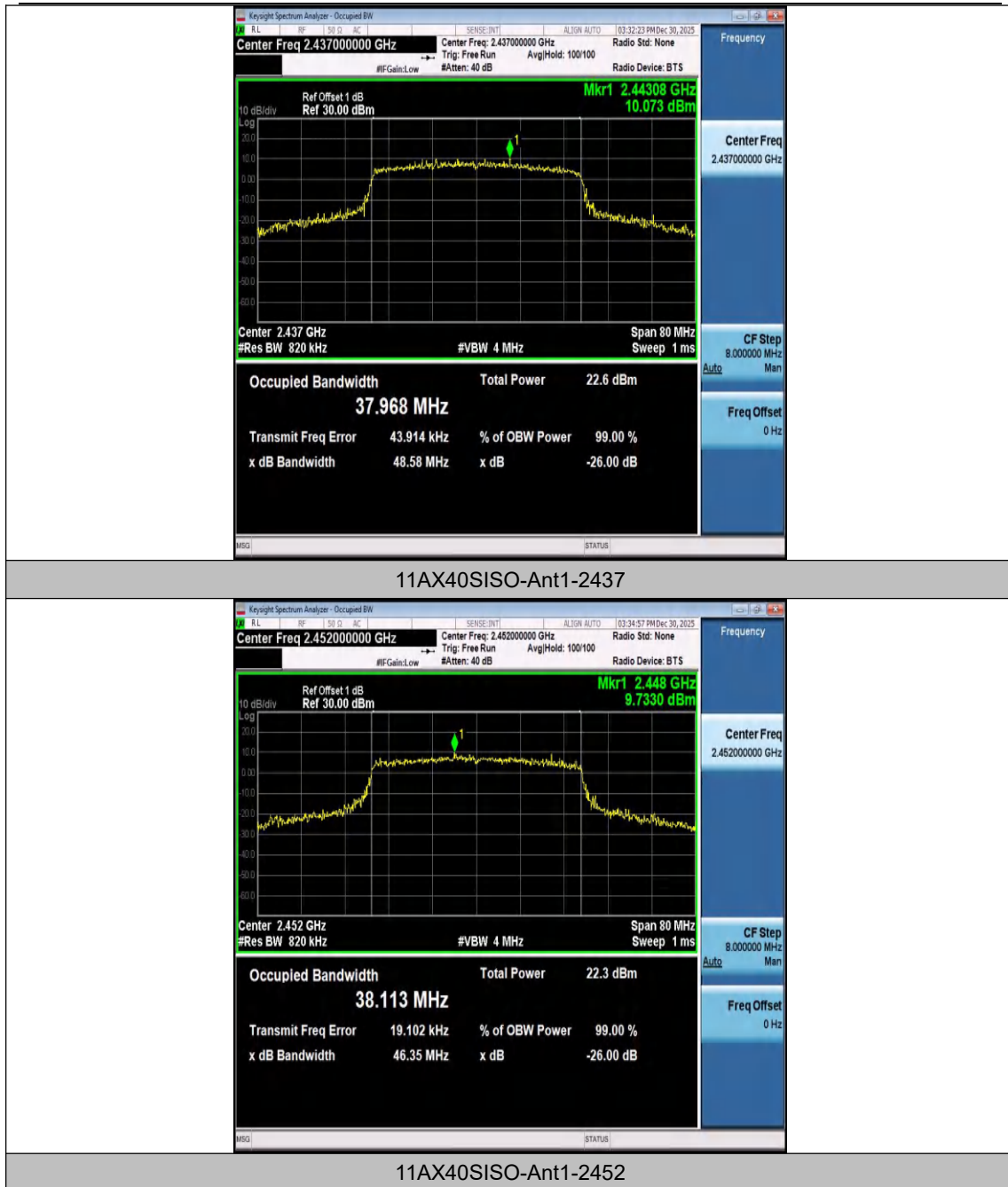
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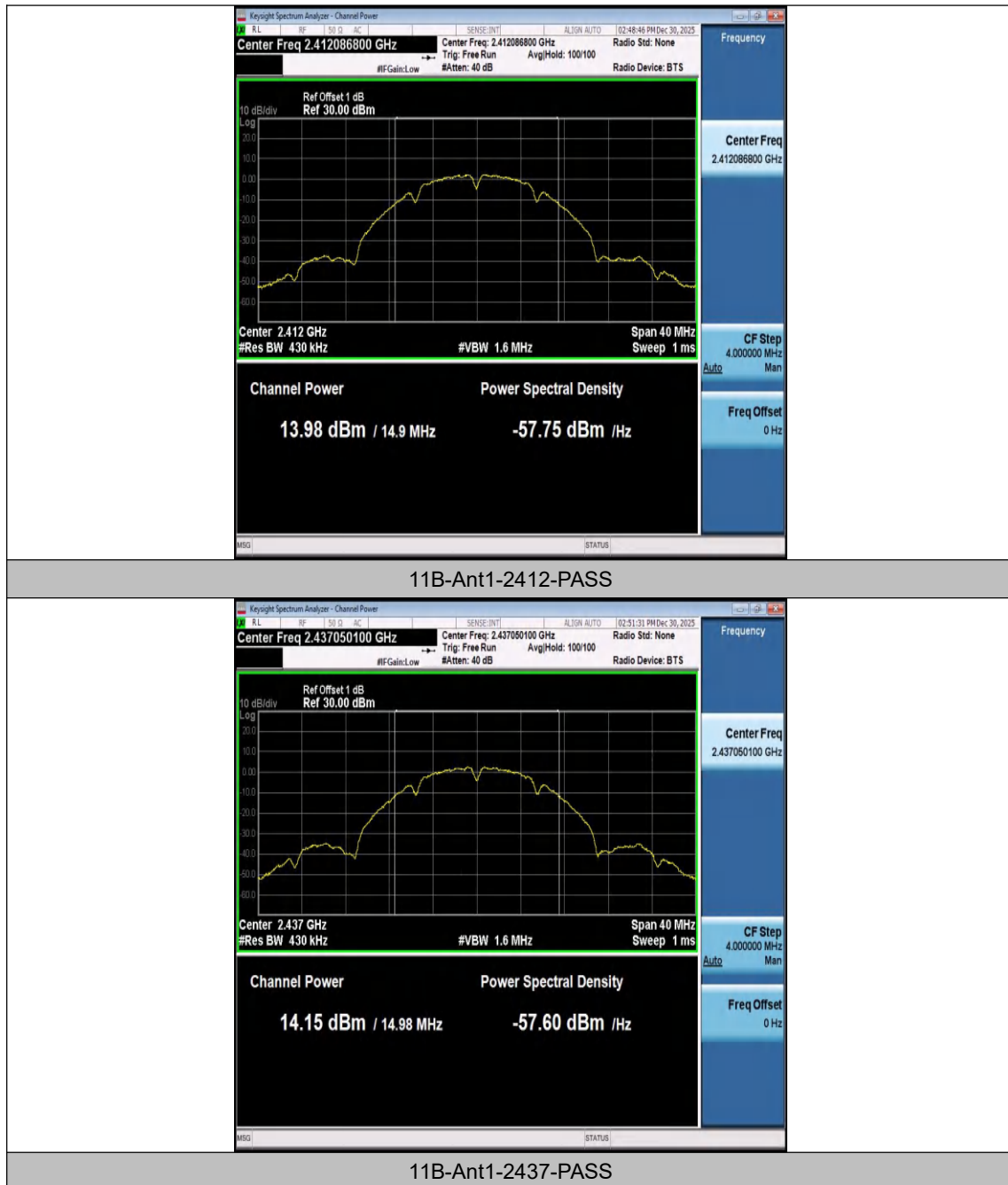
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.98	≤30.00	PASS
11B	Ant1	2437	14.15	≤30.00	PASS
11B	Ant1	2462	14.44	≤30.00	PASS
11G	Ant1	2412	13.97	≤30.00	PASS
11G	Ant1	2437	14.32	≤30.00	PASS
11G	Ant1	2462	14.51	≤30.00	PASS
11N20SISO	Ant1	2412	13.78	≤30.00	PASS
11N20SISO	Ant1	2437	14.26	≤30.00	PASS
11N20SISO	Ant1	2462	14.34	≤30.00	PASS
11N40SISO	Ant1	2422	13.06	≤30.00	PASS
11N40SISO	Ant1	2437	13.77	≤30.00	PASS
11N40SISO	Ant1	2452	13.43	≤30.00	PASS
11AX20SISO	Ant1	2412	13.48	≤30.00	PASS
11AX20SISO	Ant1	2437	13.85	≤30.00	PASS
11AX20SISO	Ant1	2462	14.08	≤30.00	PASS
11AX40SISO	Ant1	2422	13.94	≤30.00	PASS
11AX40SISO	Ant1	2437	14.53	≤30.00	PASS
11AX40SISO	Ant1	2452	13.74	≤30.00	PASS

Note: The cable loss are compensated in the graph.

Test Graphs Average



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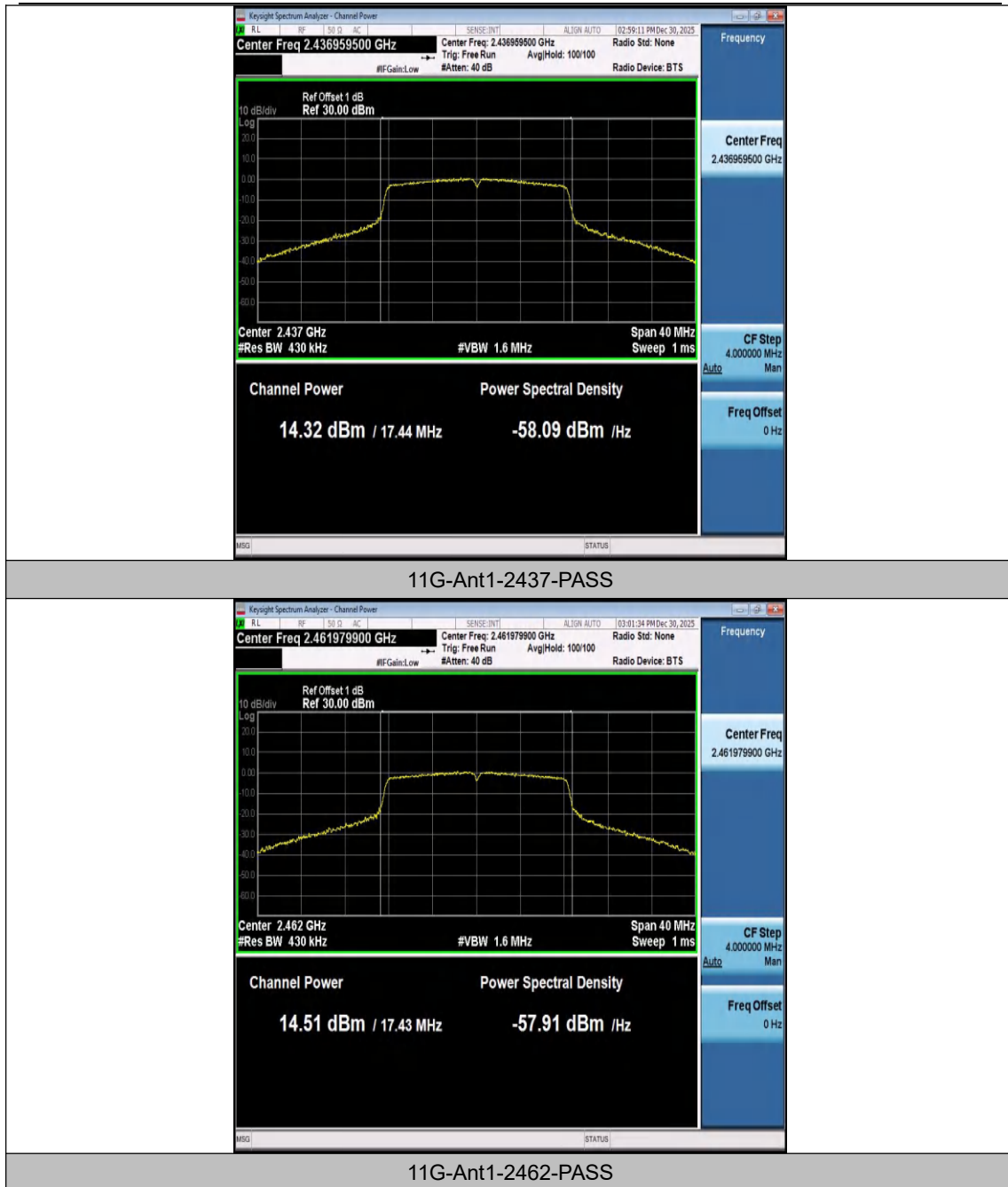
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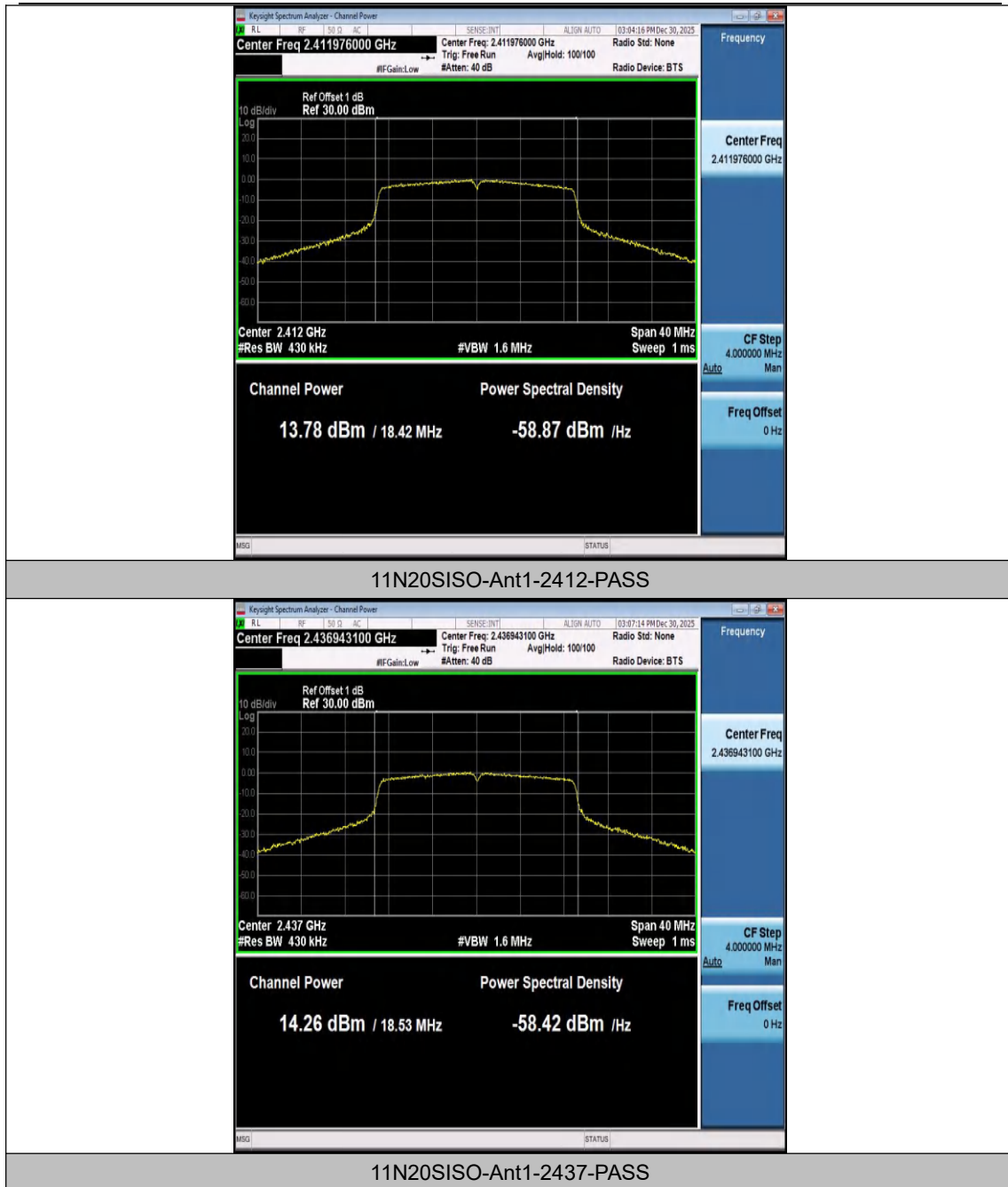
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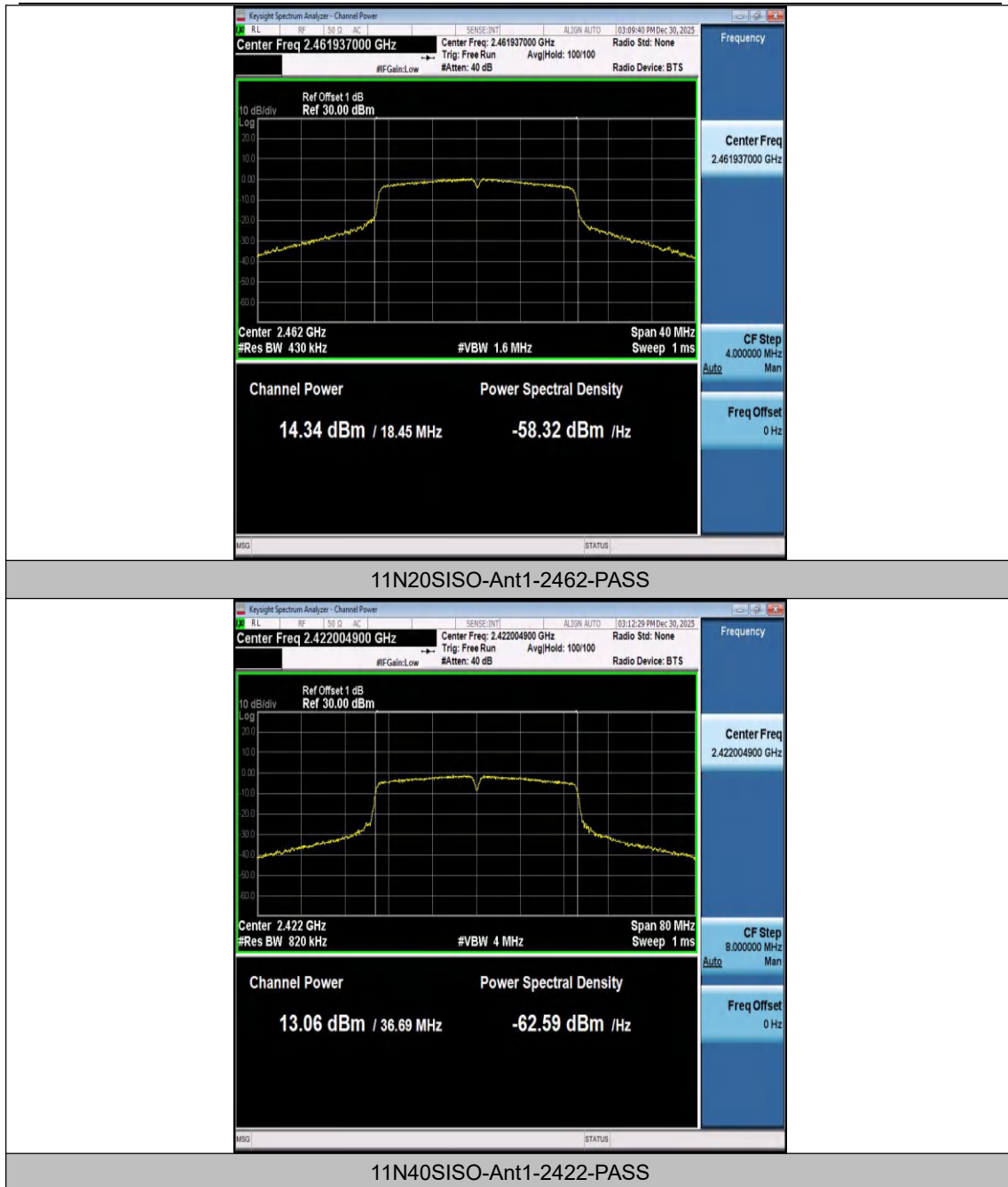
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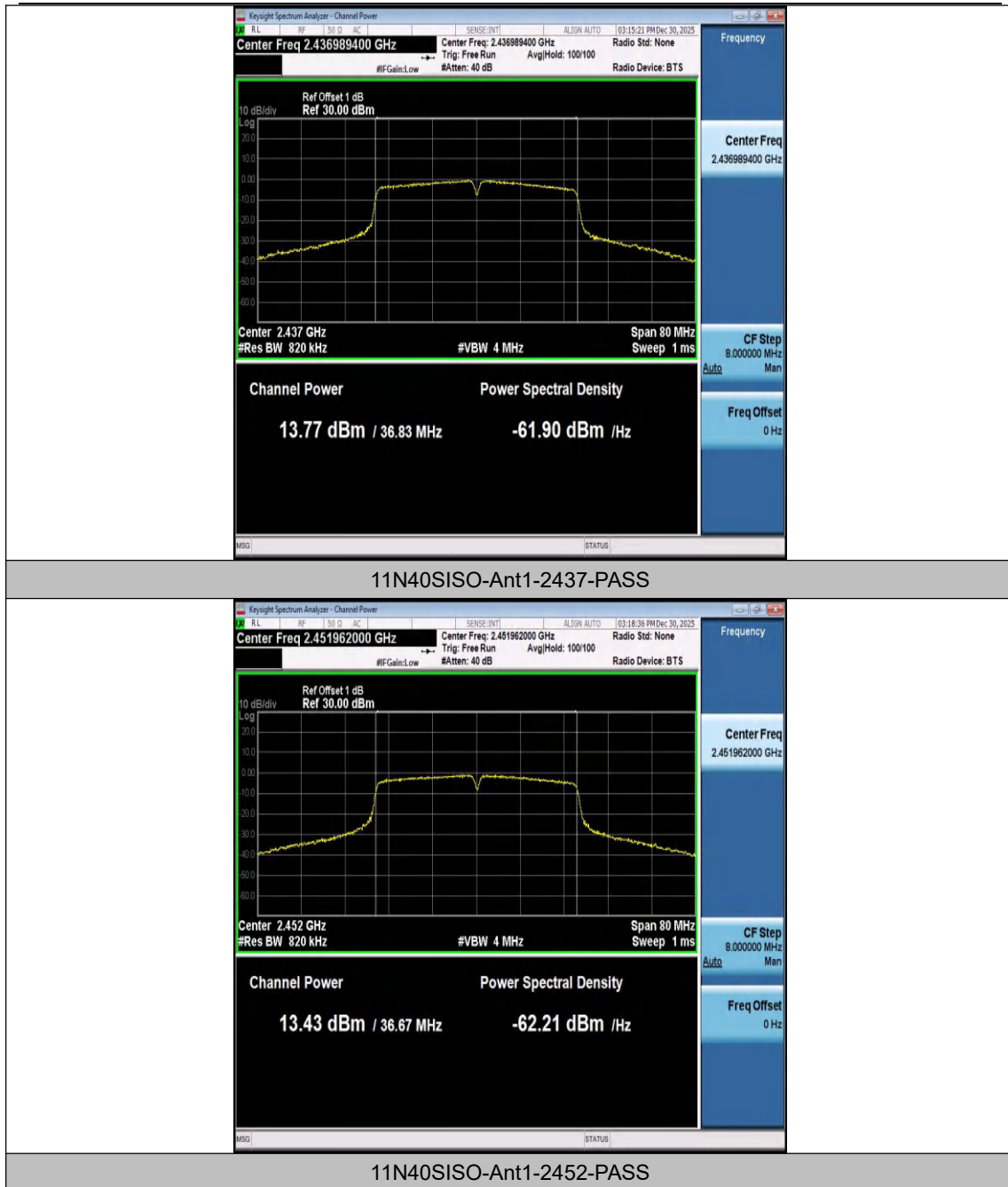
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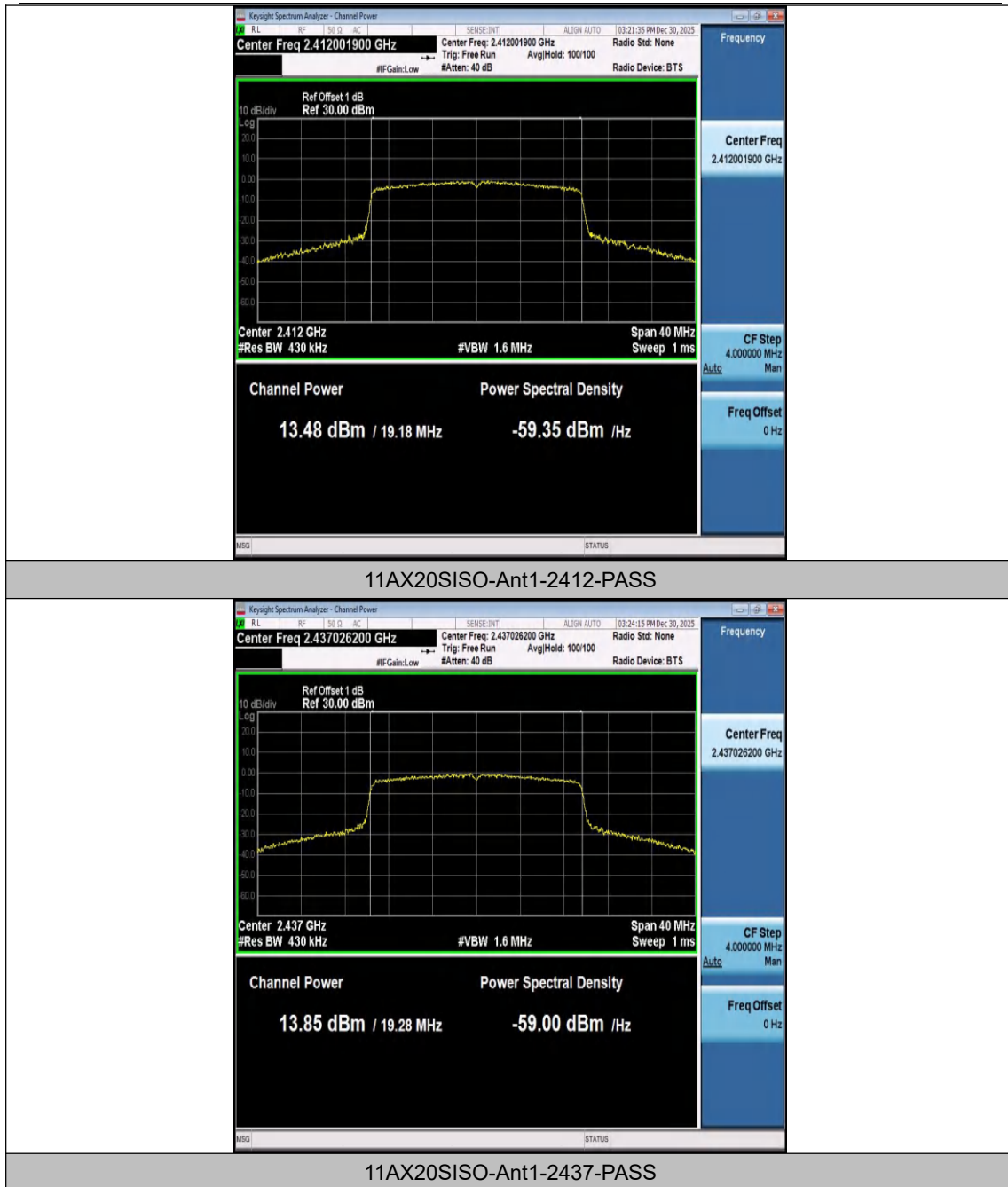
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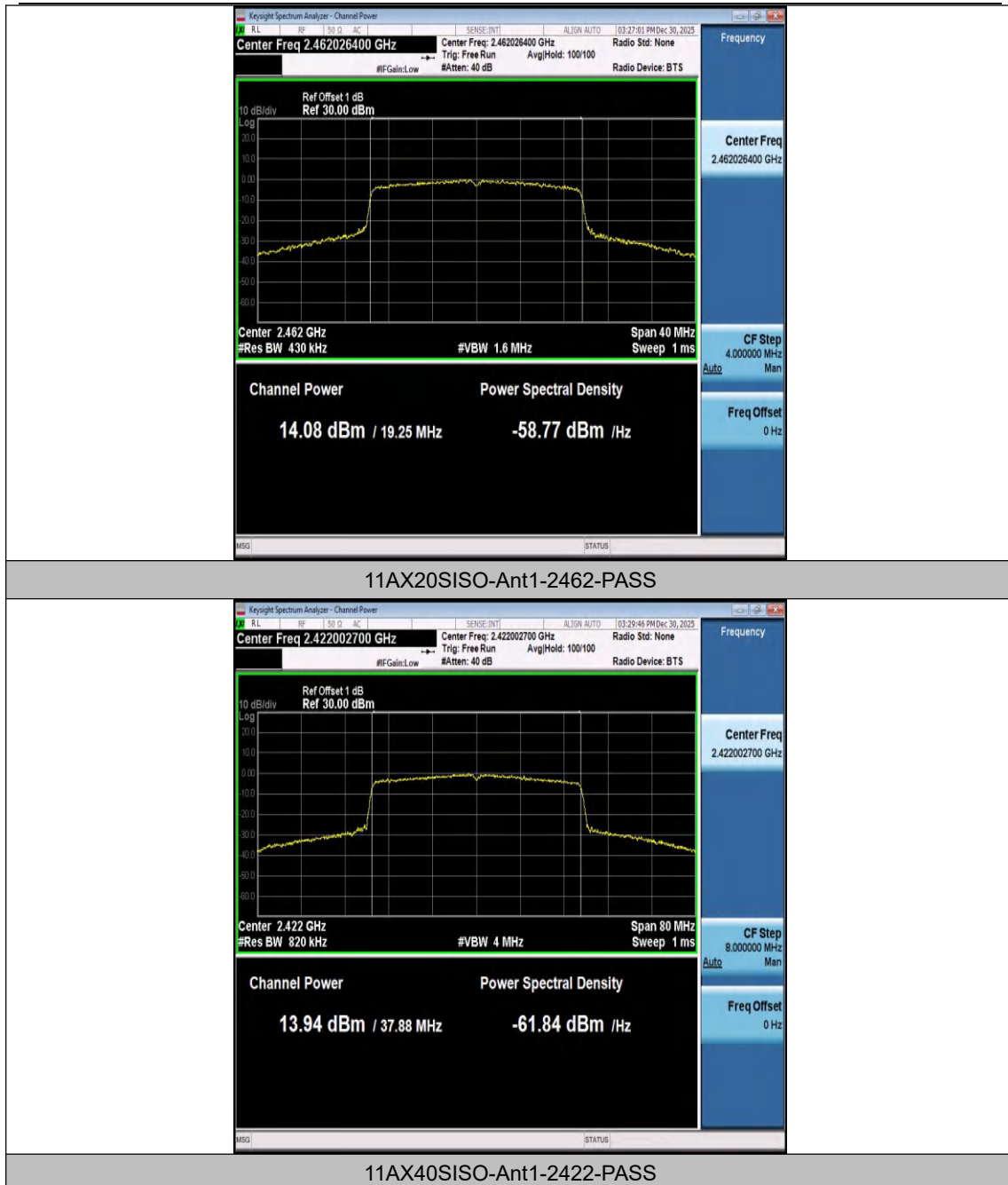
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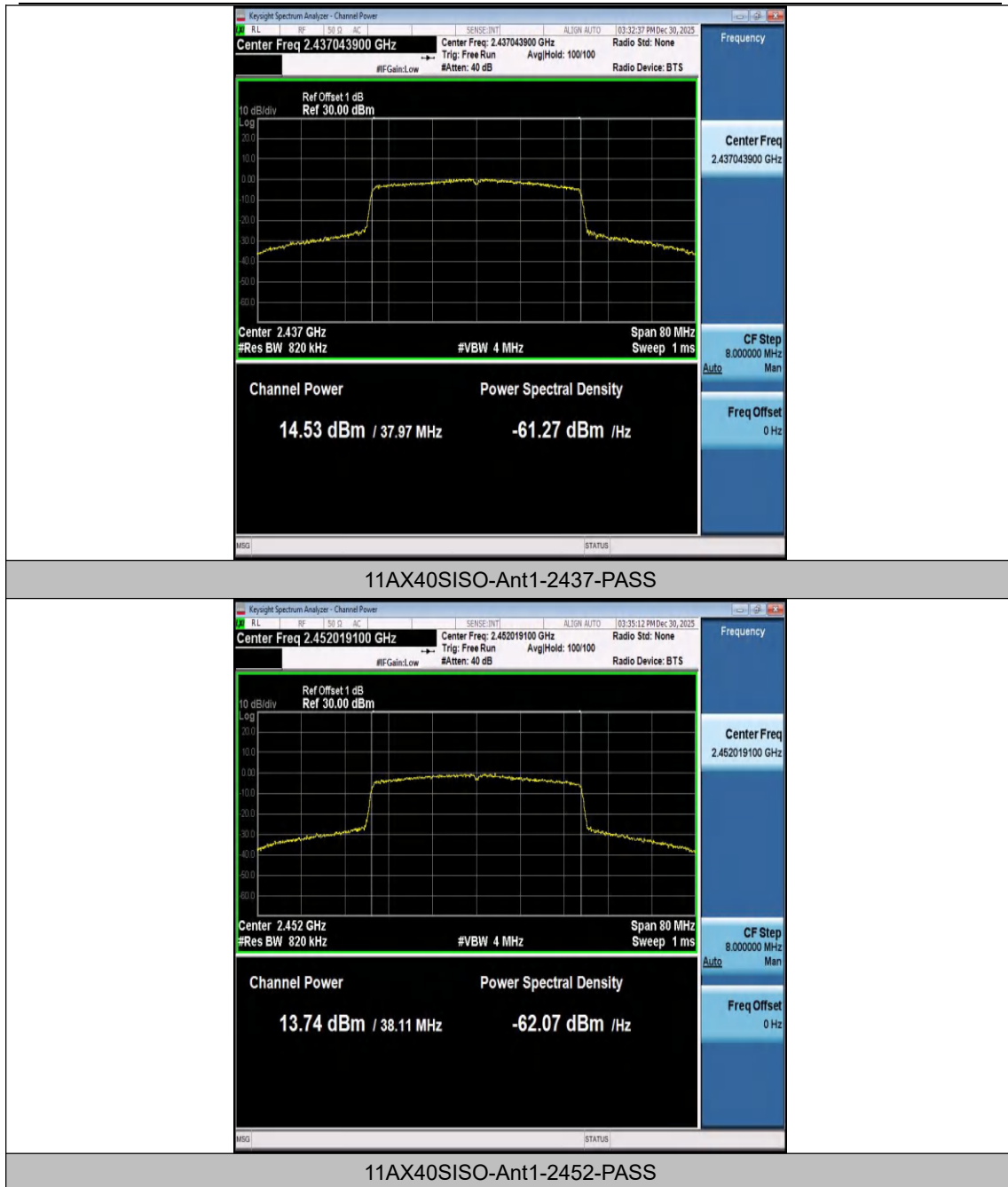
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Appendix D: Maximum power spectral density

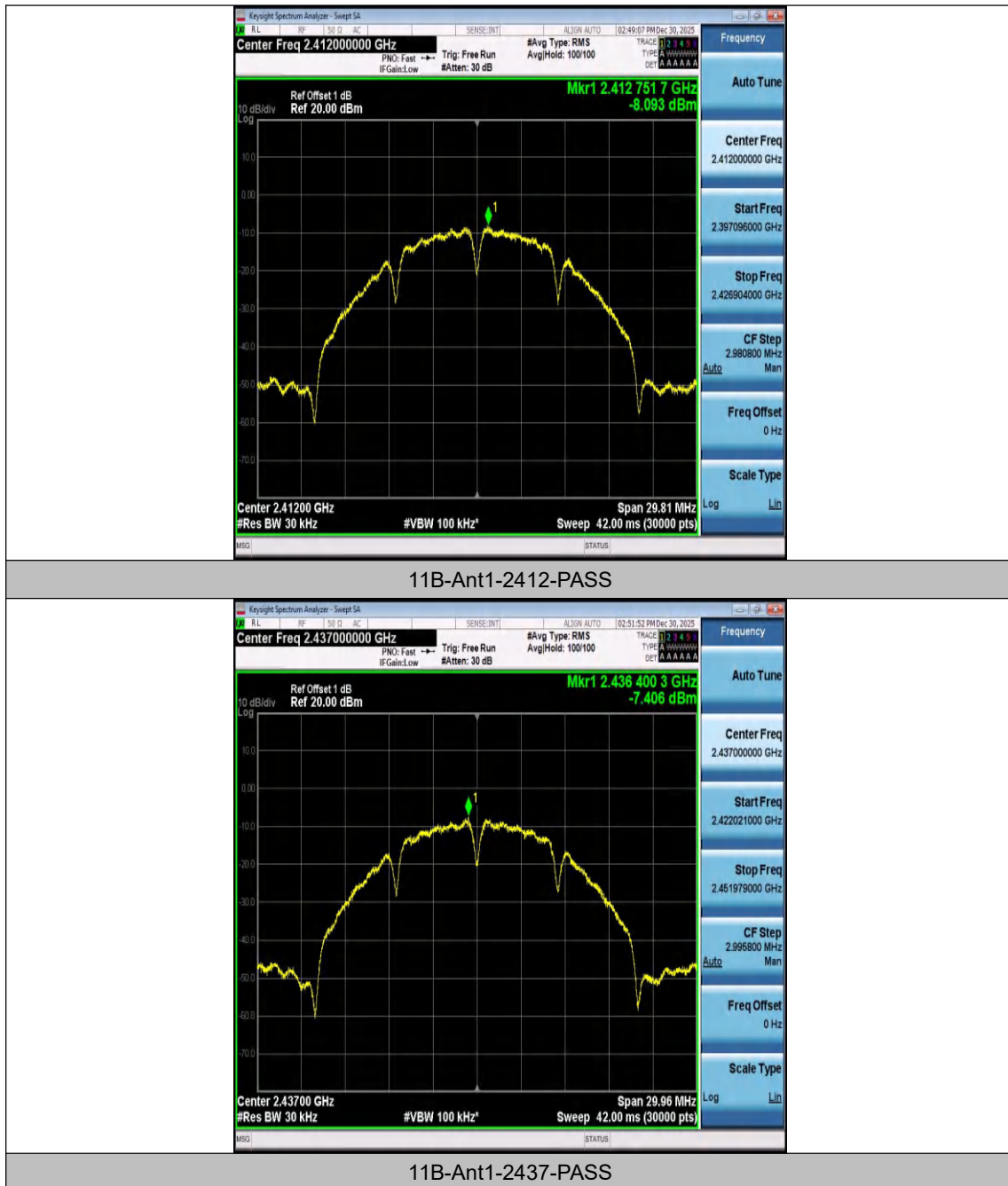
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.09	≤8.00	PASS
11B	Ant1	2437	-7.41	≤8.00	PASS
11B	Ant1	2462	-7.69	≤8.00	PASS
11G	Ant1	2412	-9.87	≤8.00	PASS
11G	Ant1	2437	-9.41	≤8.00	PASS
11G	Ant1	2462	-9.14	≤8.00	PASS
11N20SISO	Ant1	2412	-9.92	≤8.00	PASS
11N20SISO	Ant1	2437	-9.70	≤8.00	PASS
11N20SISO	Ant1	2462	-9.61	≤8.00	PASS
11N40SISO	Ant1	2422	-13.52	≤8.00	PASS
11N40SISO	Ant1	2437	-12.61	≤8.00	PASS
11N40SISO	Ant1	2452	-12.59	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.85	≤8.00	PASS
11AX20SISO	Ant1	2437	-11.16	≤8.00	PASS
11AX20SISO	Ant1	2462	-10.68	≤8.00	PASS
11AX40SISO	Ant1	2422	-13.41	≤8.00	PASS
11AX40SISO	Ant1	2437	-13.49	≤8.00	PASS
11AX40SISO	Ant1	2452	-13.17	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.

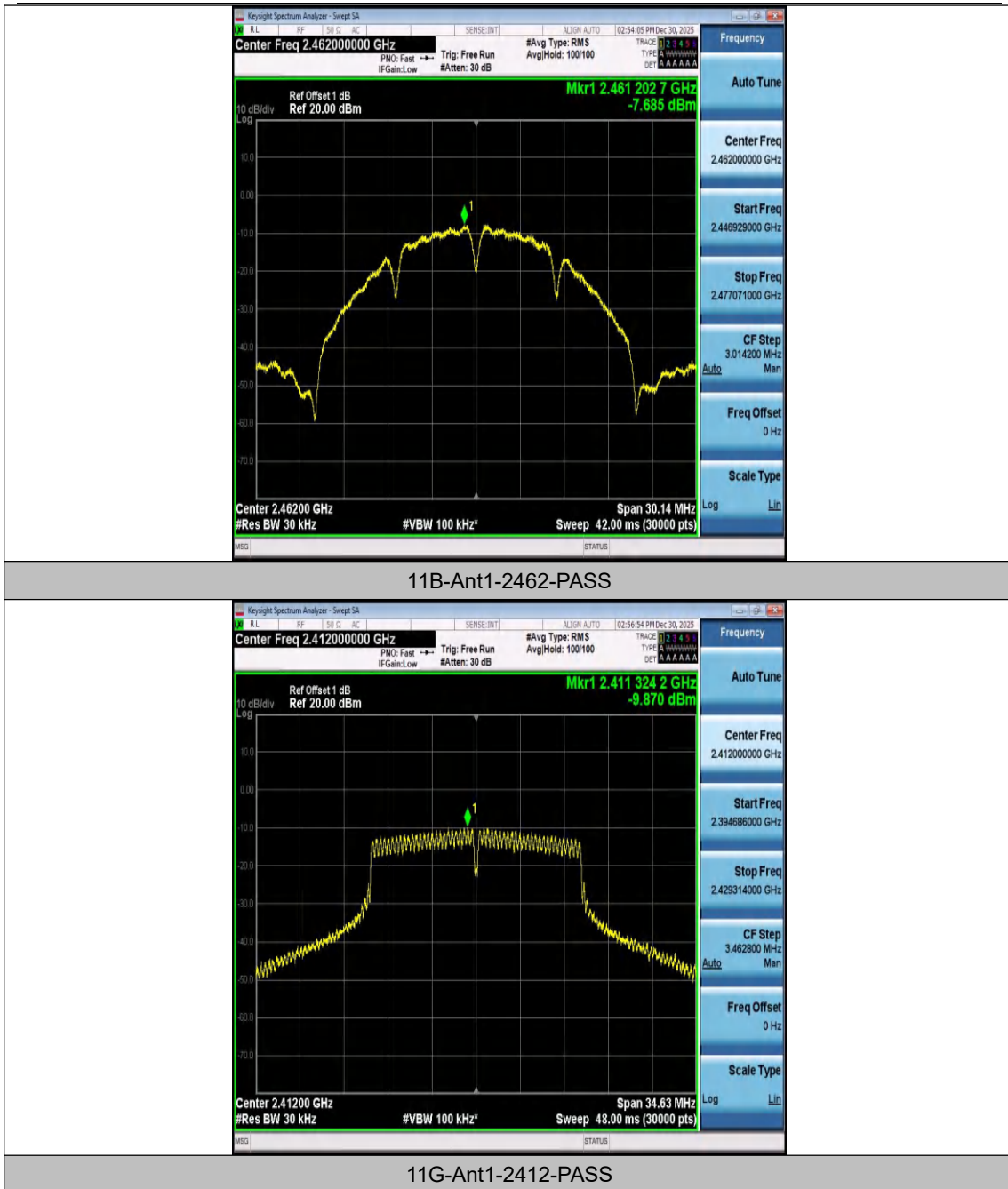
Test Graphs



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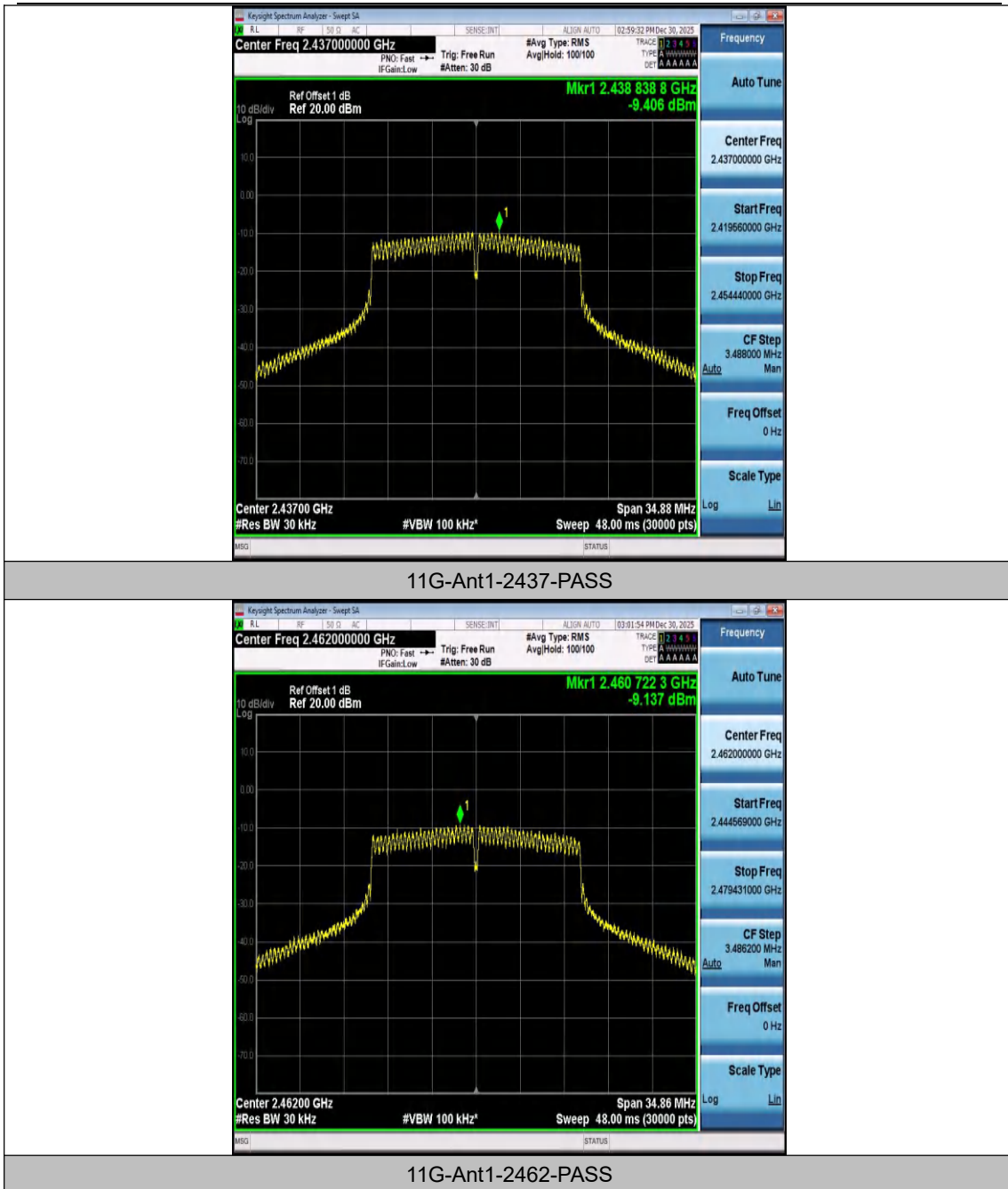
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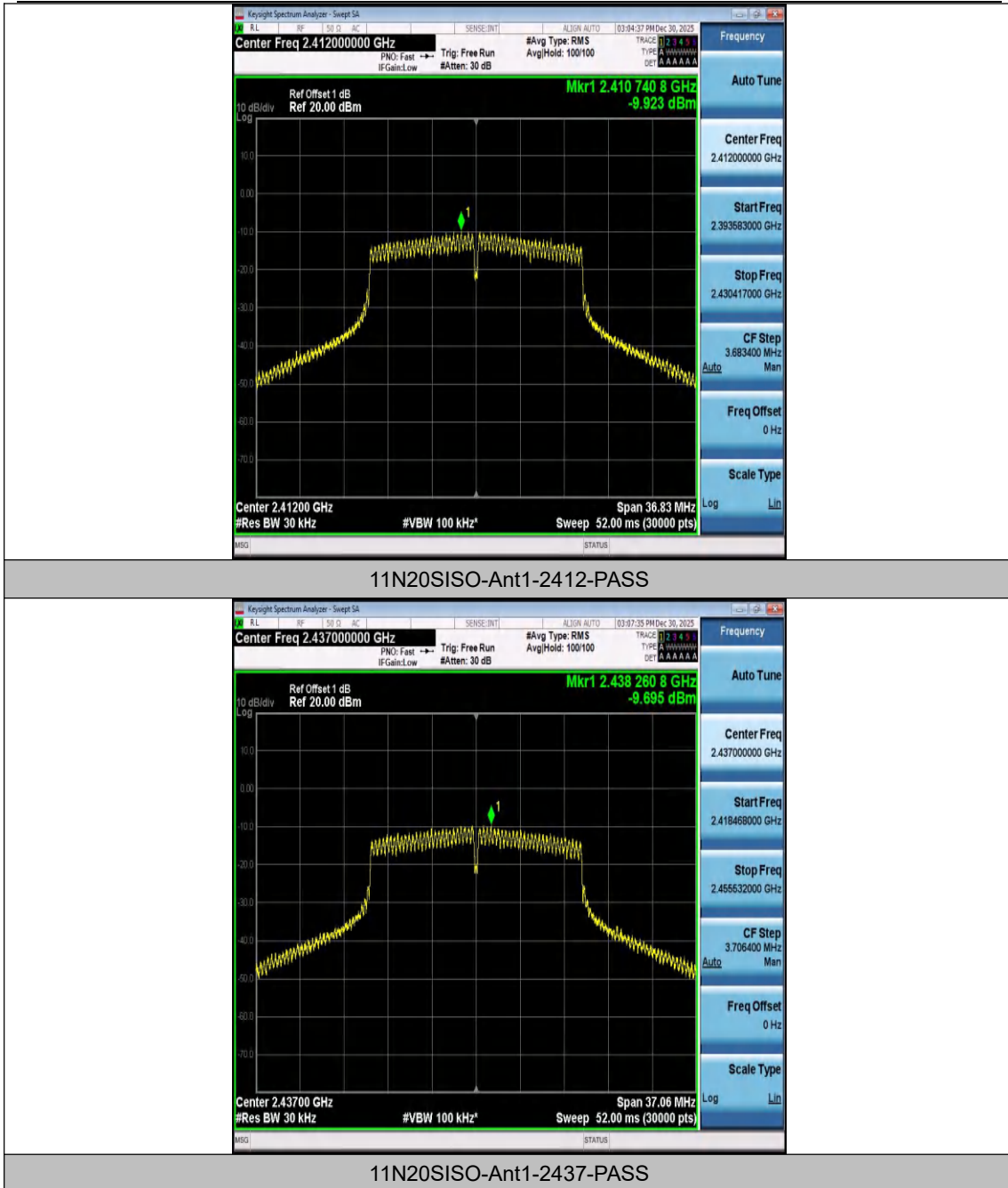
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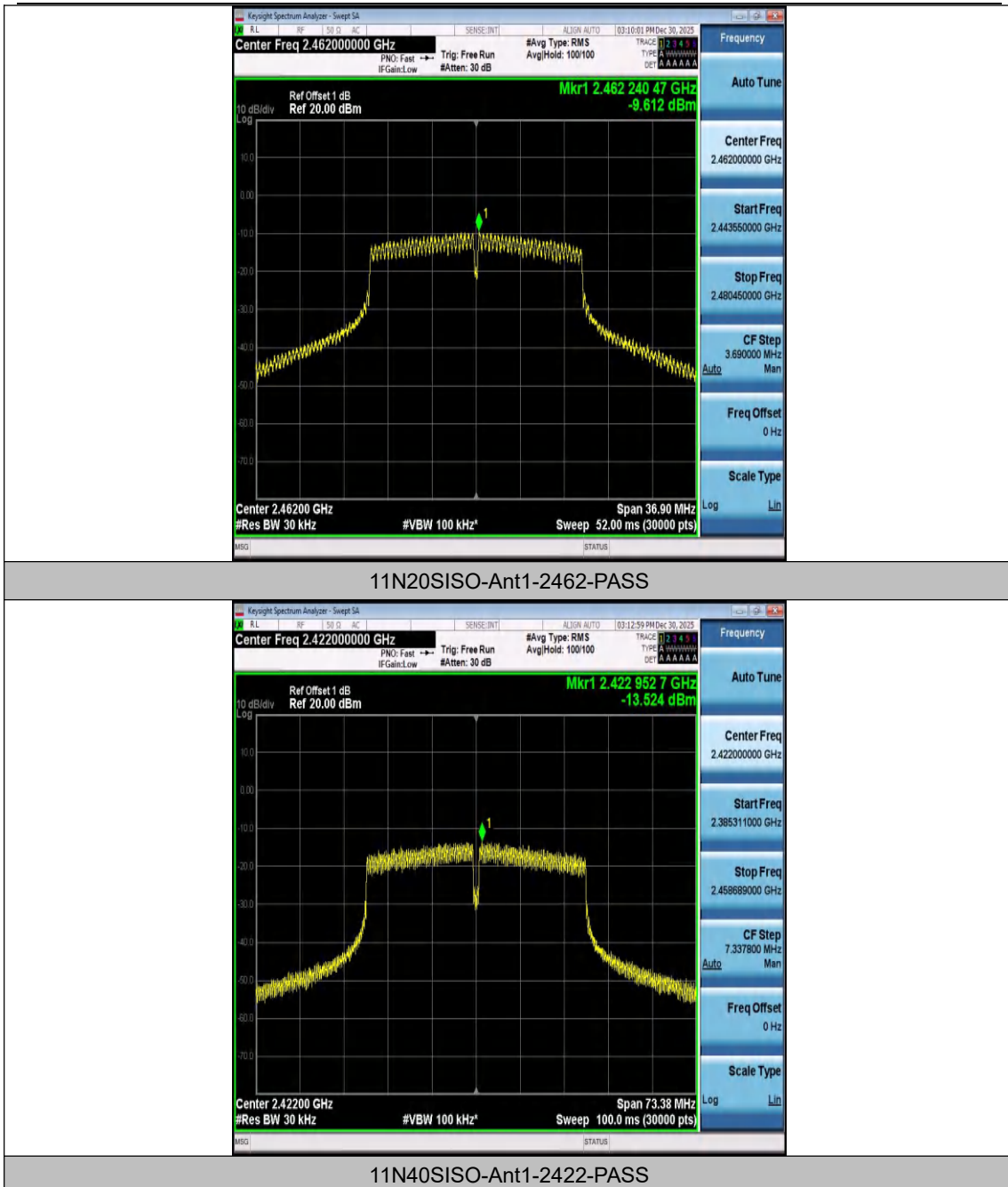
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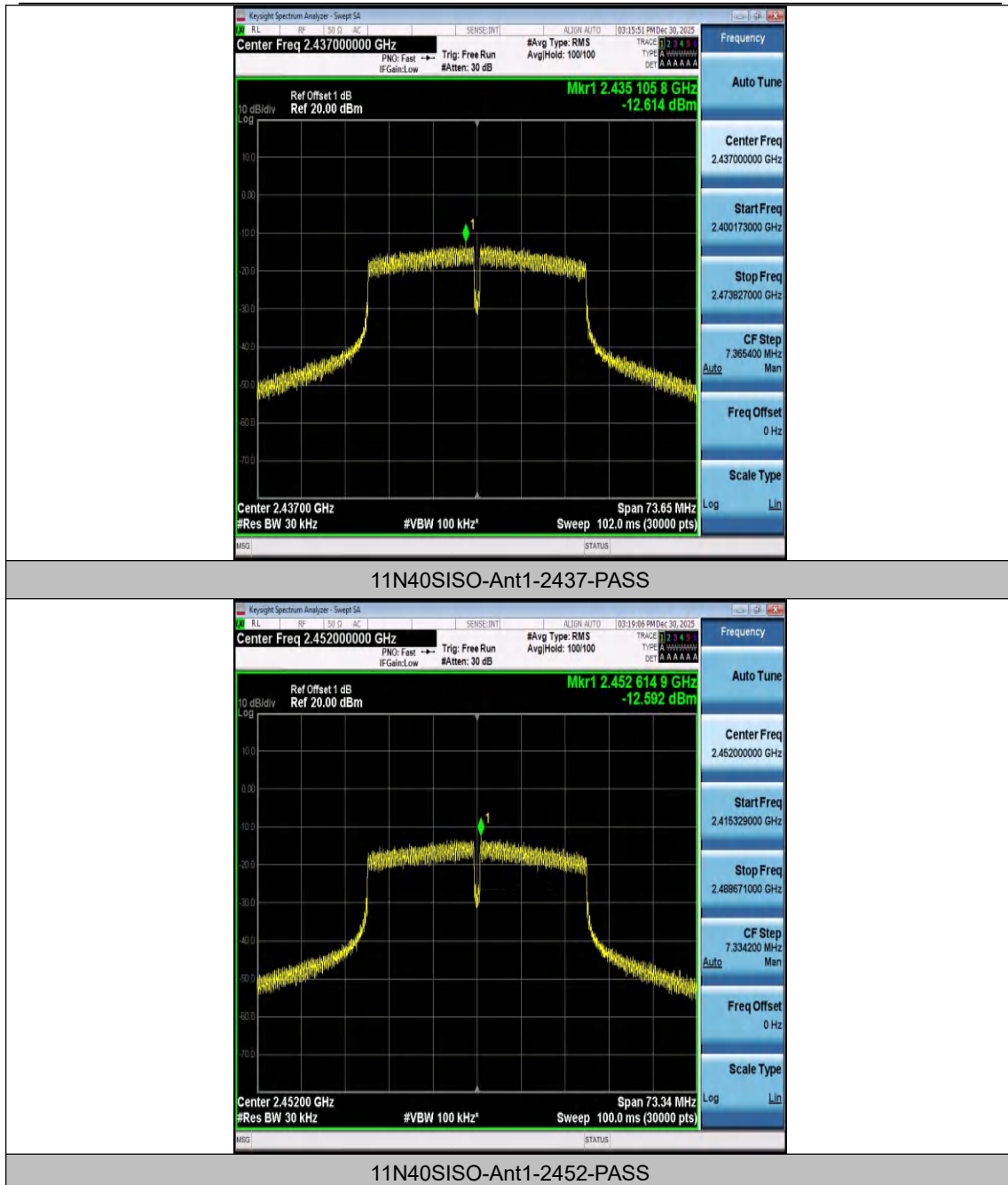
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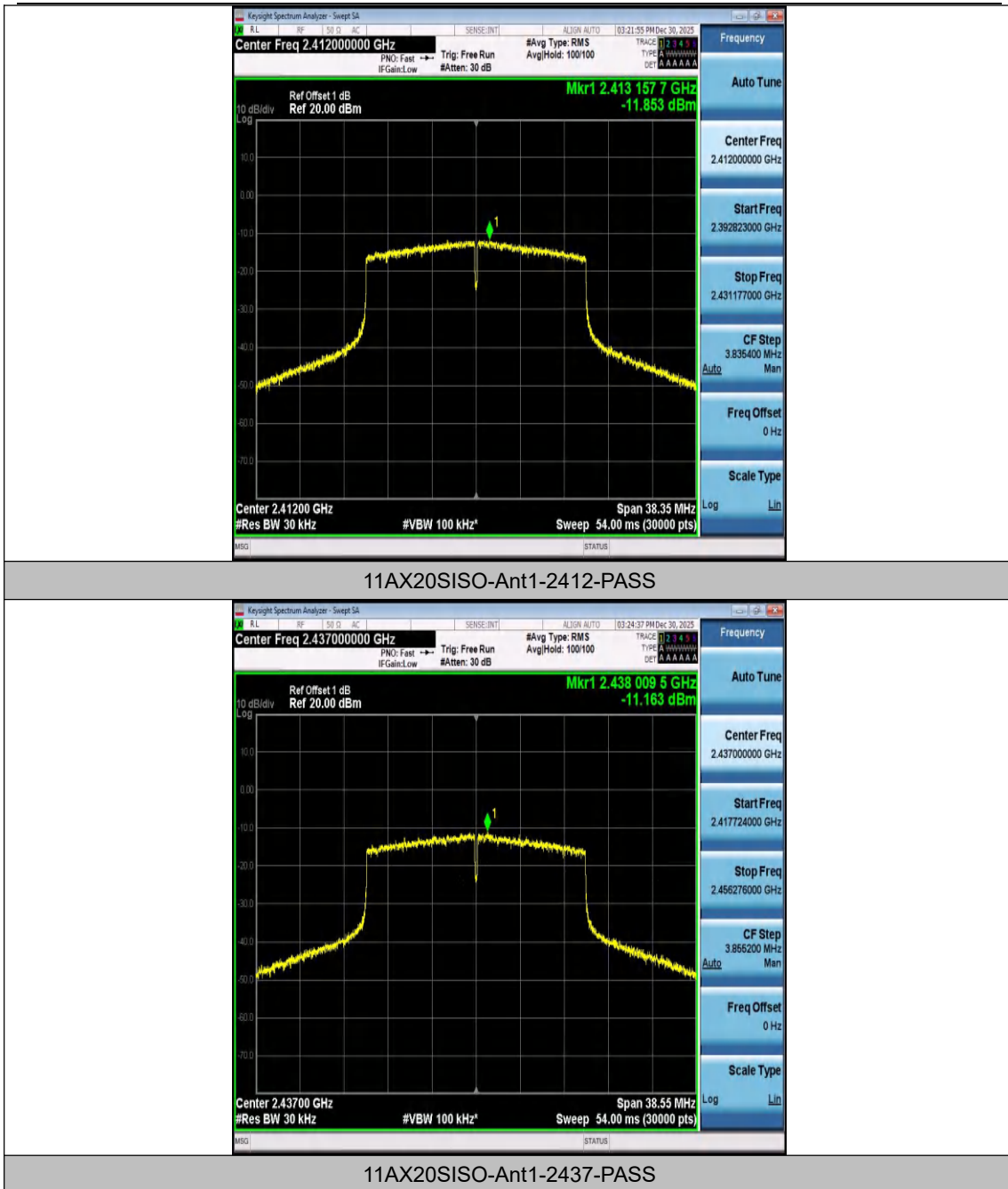
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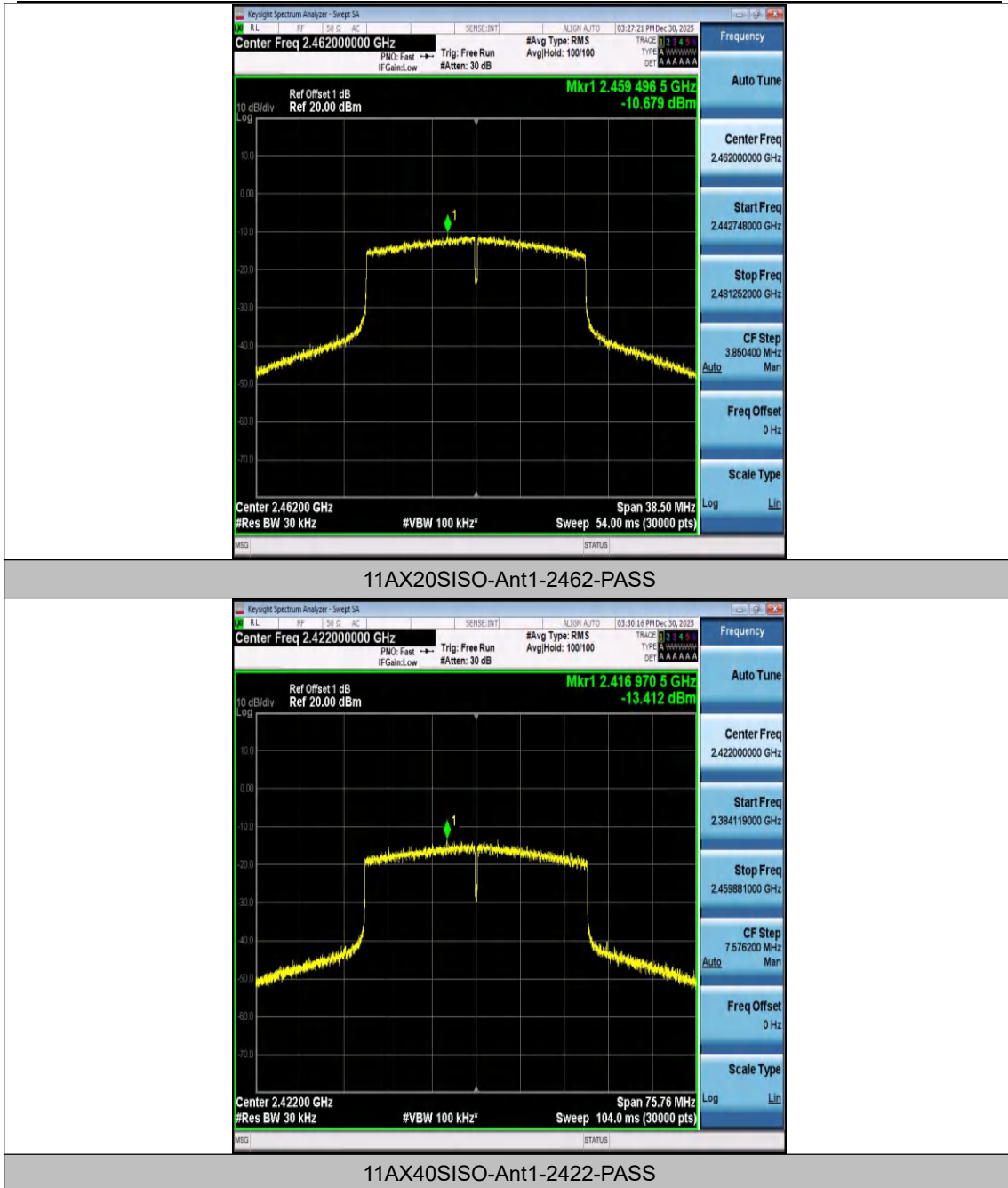
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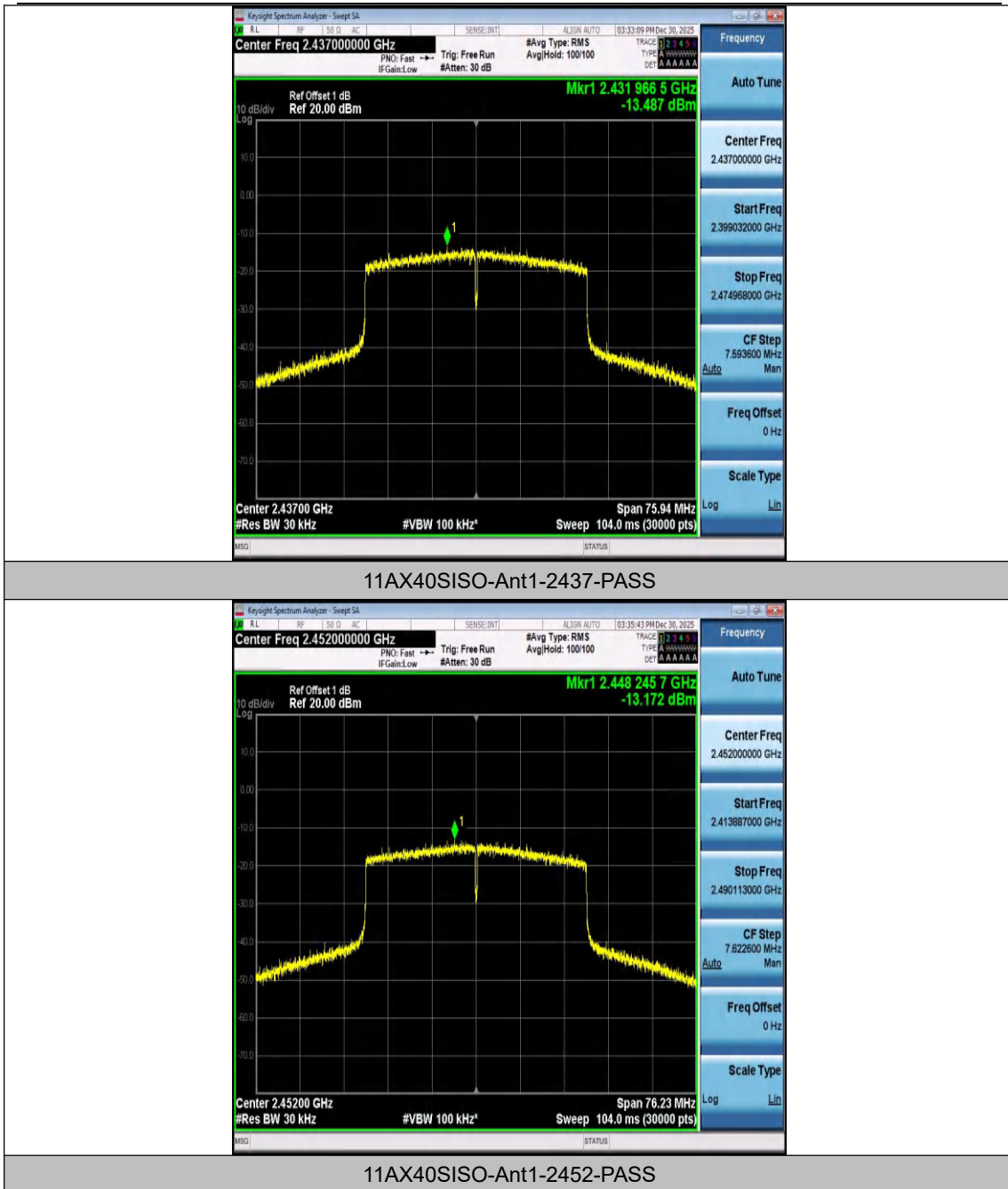
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.31	-34.89	≤-25.69	PASS
11B	Ant1	High	2462	5.29	-51.45	≤-24.71	PASS
11G	Ant1	Low	2412	2.51	-29.02	≤-27.49	PASS
11G	Ant1	High	2462	3.39	-40.01	≤-26.61	PASS
11N20SISO	Ant1	Low	2412	2.45	-27.74	≤-27.55	PASS
11N20SISO	Ant1	High	2462	1.58	-36.25	≤-28.42	PASS
11N40SISO	Ant1	Low	2422	-1.14	-32.49	≤-31.14	PASS
11N40SISO	Ant1	High	2452	-0.10	-32.98	≤-30.1	PASS
11AX20SISO	Ant1	Low	2412	2.04	-28.5	≤-27.96	PASS
11AX20SISO	Ant1	High	2462	3.30	-35	≤-26.7	PASS
11AX40SISO	Ant1	Low	2422	-1.11	-33.65	≤-31.11	PASS
11AX40SISO	Ant1	High	2452	1.48	-30.12	≤-28.52	PASS

Test Graphs

