

Appendix Test Data

Report No.:	1812C50139812503	Test Sample No.:	1-2-2
Start Test Date:	2025.04.10	Finish Test Date:	2025.04.16
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.5°C	Relative Humidity:	40%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

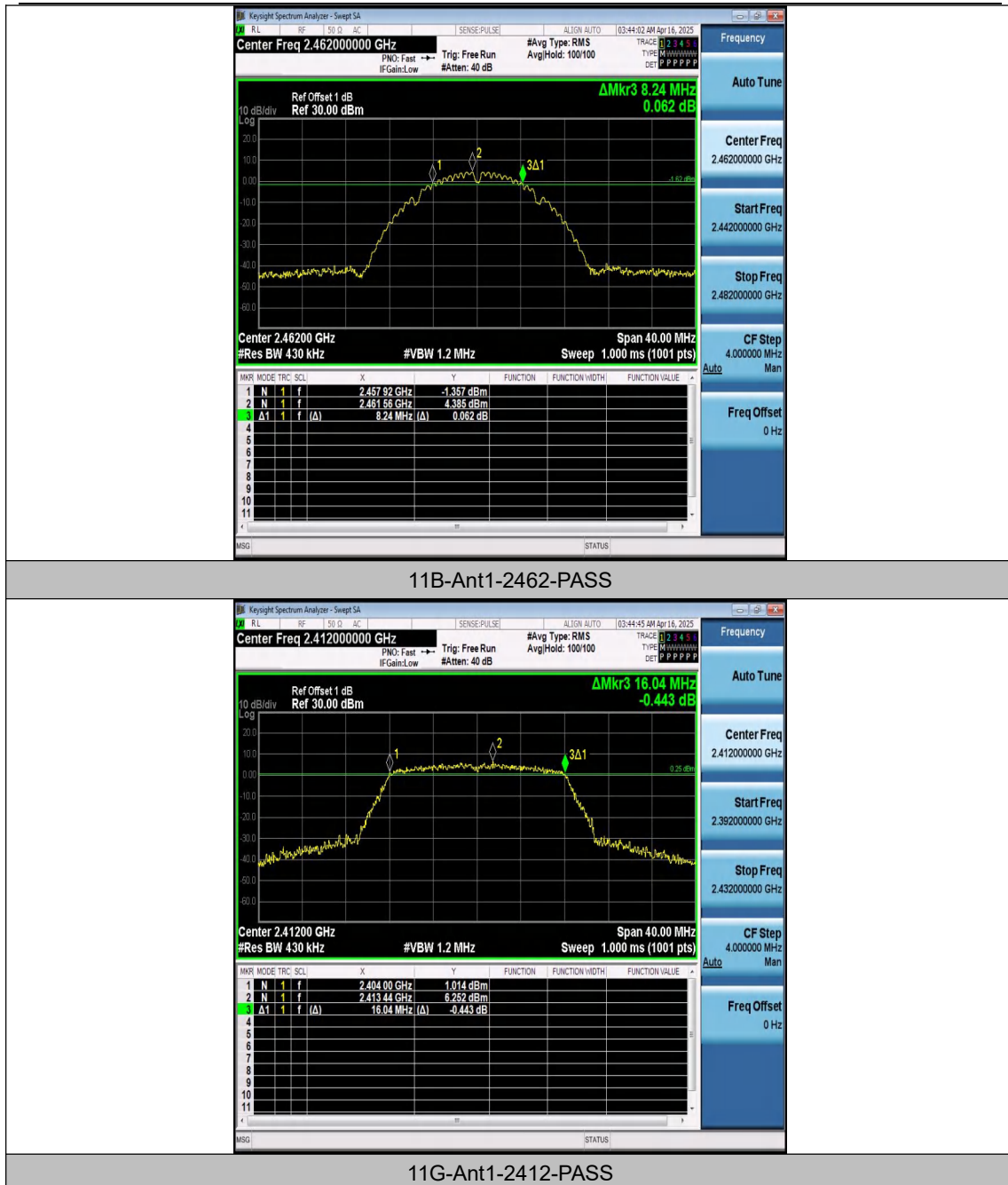
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.920	2416.160	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	16.040	2404.000	2420.040	0.5	PASS
11G	Ant1	2437	16.040	2429.000	2445.040	0.5	PASS
11G	Ant1	2462	16.080	2454.000	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.360	2420.720	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.360	2445.680	0.5	PASS
11N20SISO	Ant1	2462	17.480	2453.240	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.400	2440.000	0.5	PASS
11N40SISO	Ant1	2437	35.680	2419.320	2455.000	0.5	PASS
11N40SISO	Ant1	2452	35.840	2434.320	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	17.360	2403.280	2420.640	0.5	PASS
11AX20SISO	Ant1	2437	17.320	2428.360	2445.680	0.5	PASS
11AX20SISO	Ant1	2462	17.520	2453.320	2470.840	0.5	PASS
11AX40SISO	Ant1	2422	35.840	2404.080	2439.920	0.5	PASS
11AX40SISO	Ant1	2437	35.280	2419.640	2454.920	0.5	PASS
11AX40SISO	Ant1	2452	35.440	2434.480	2469.920	0.5	PASS



Test Graphs

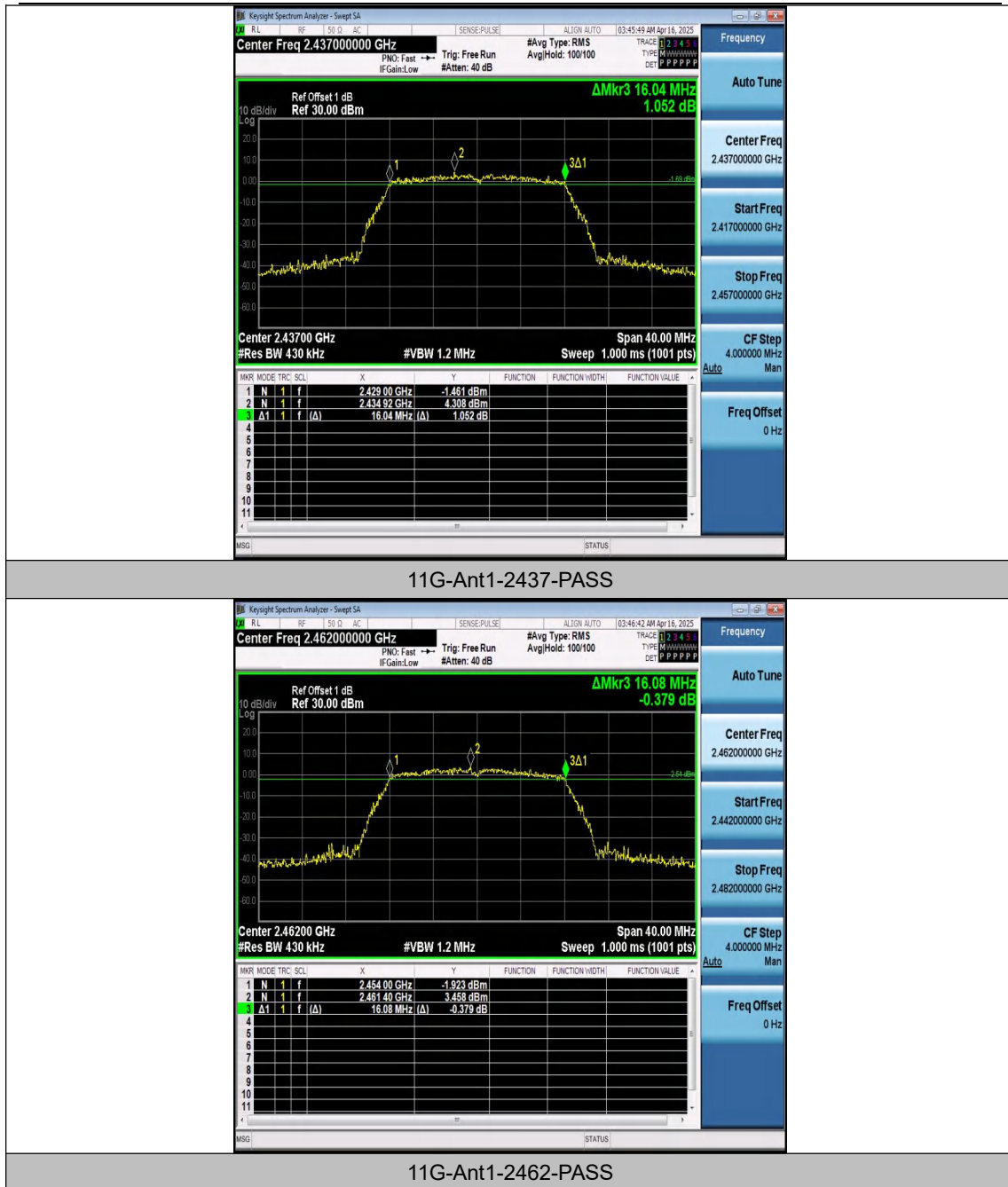


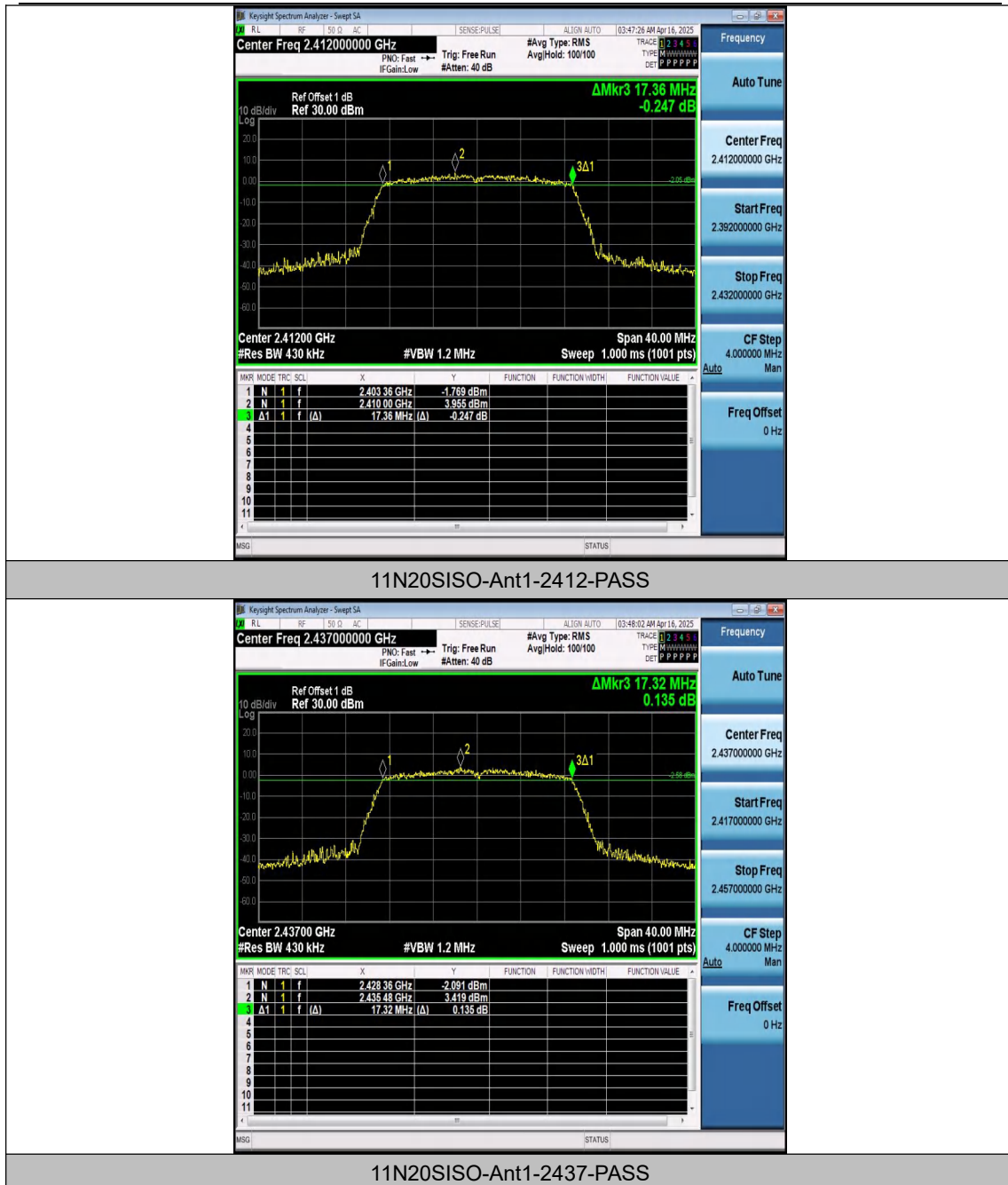


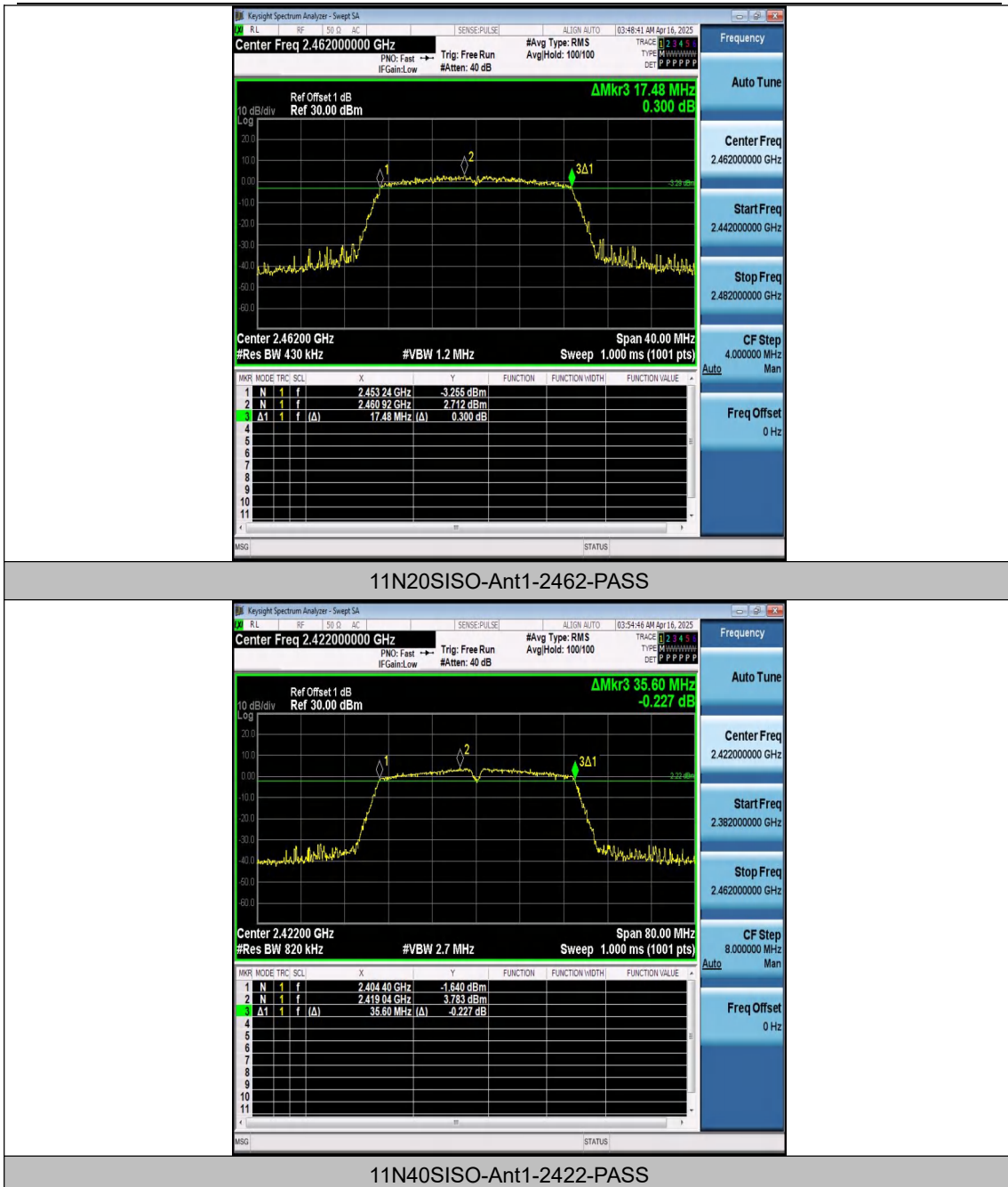
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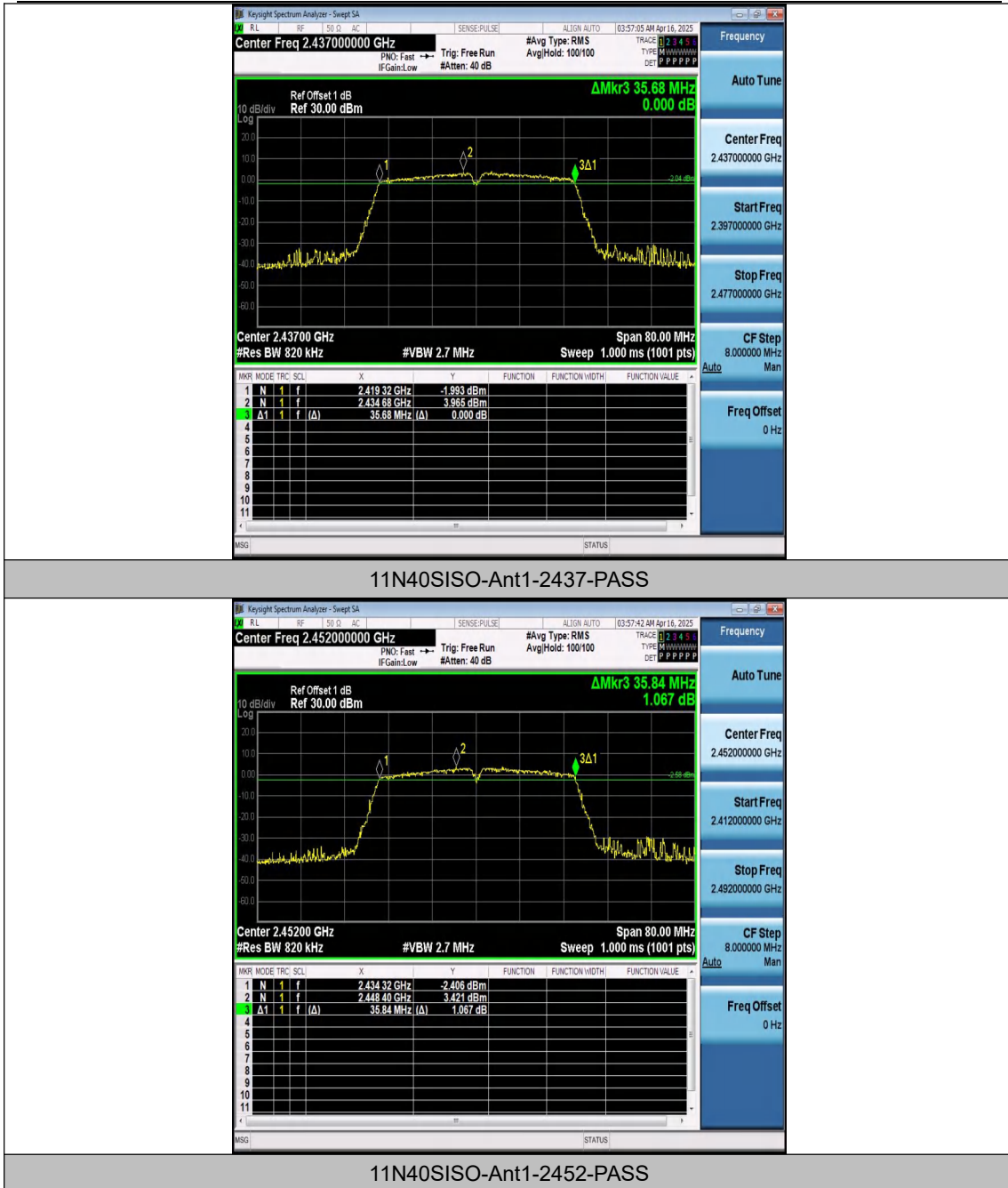




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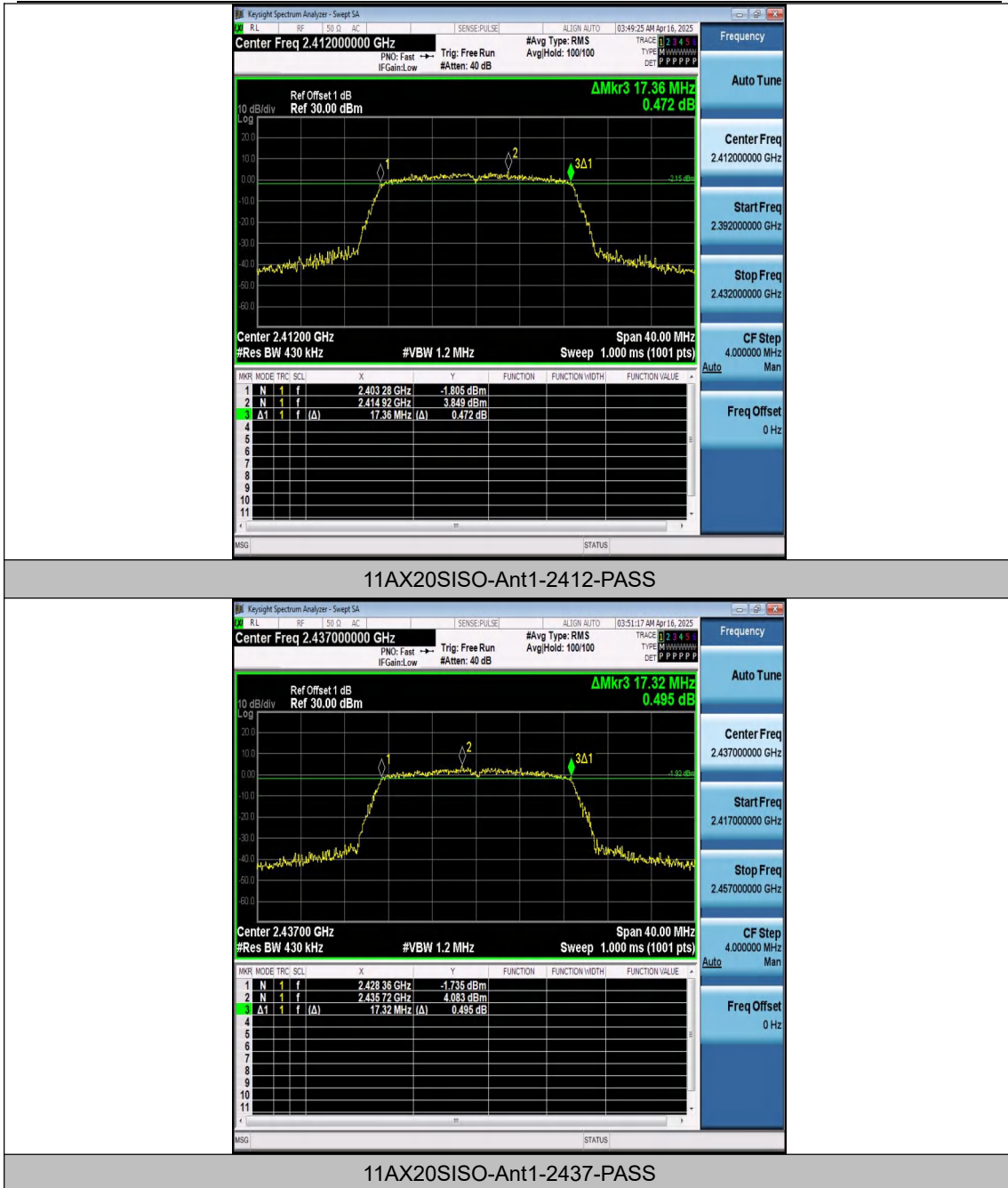
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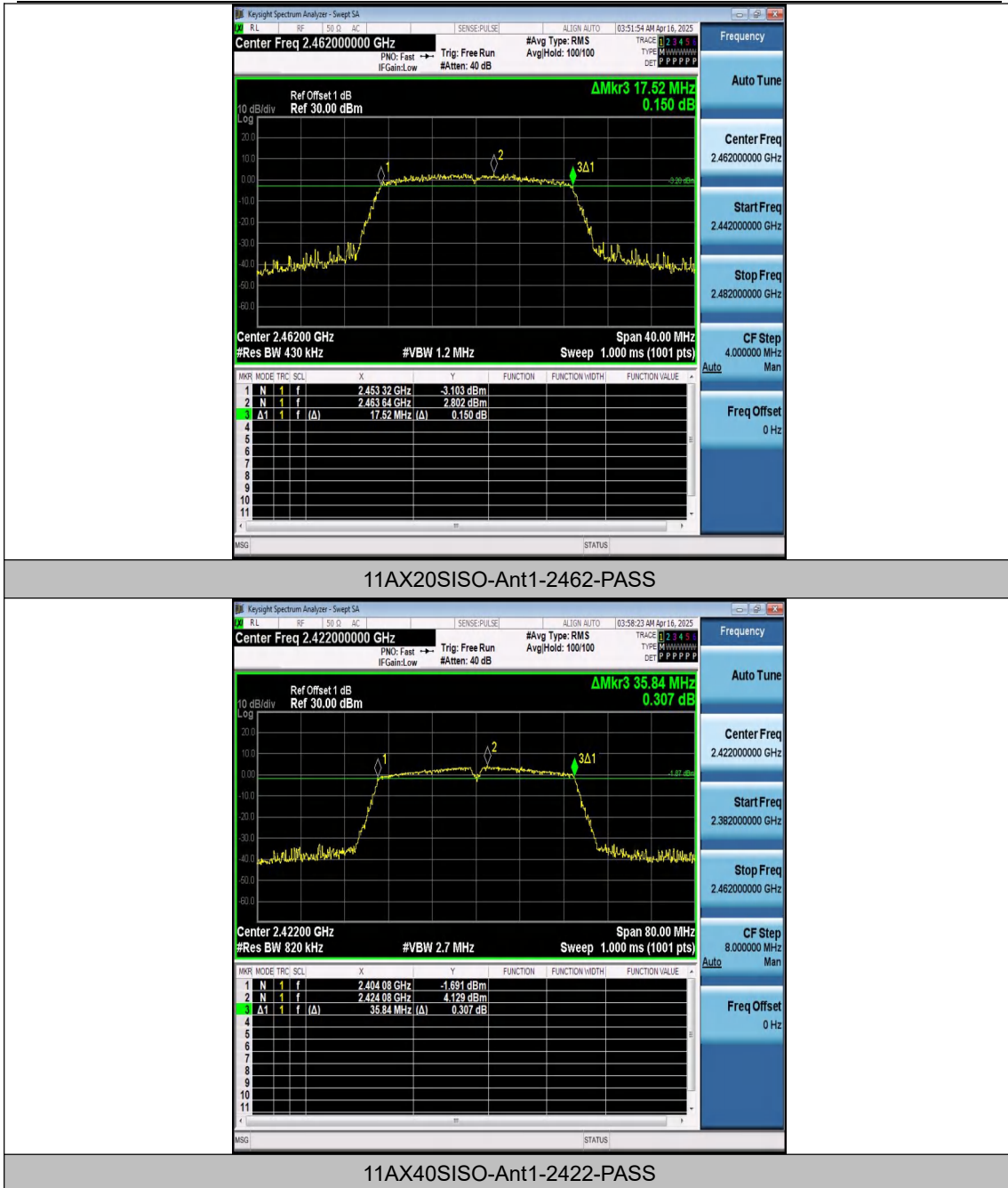


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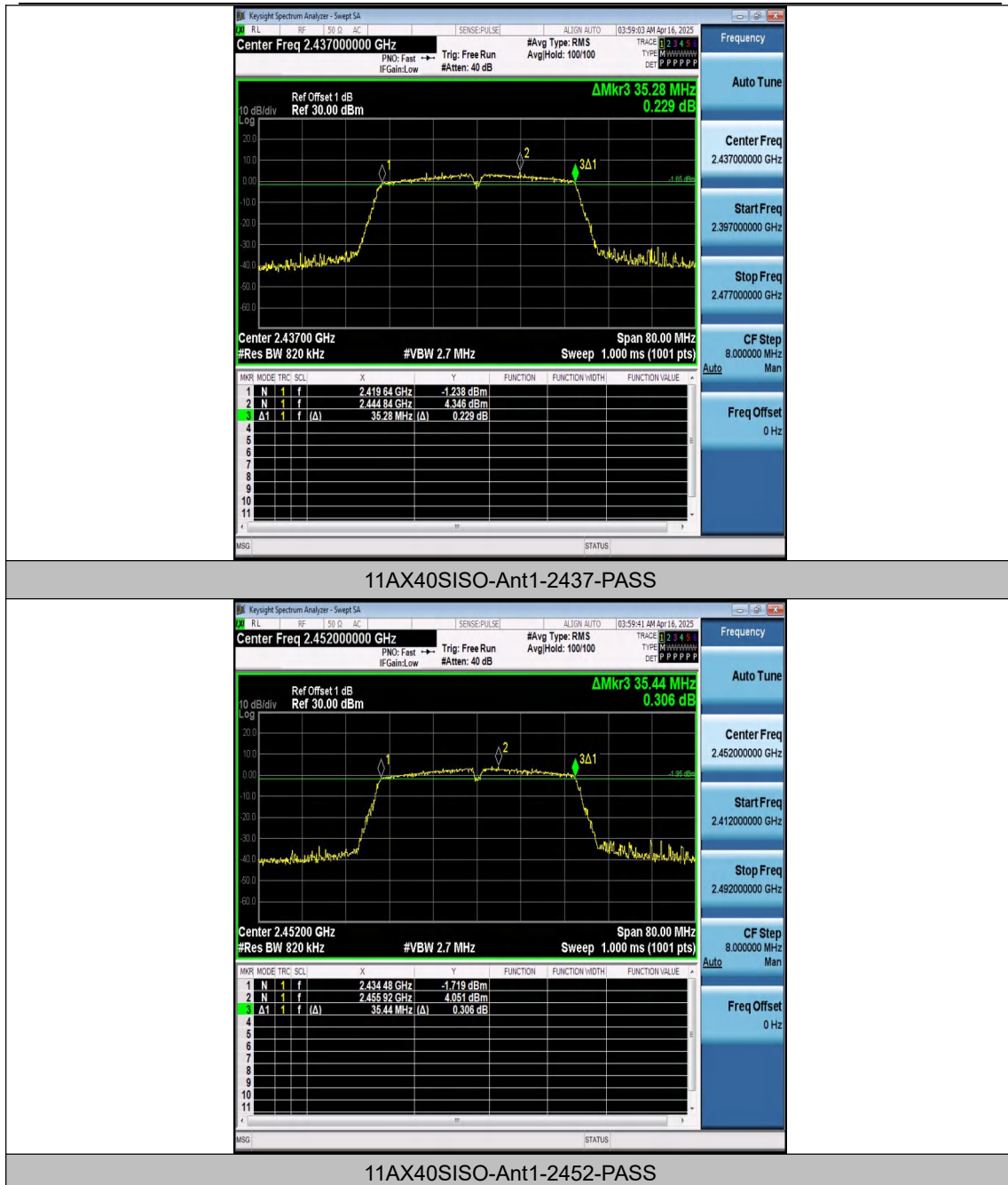




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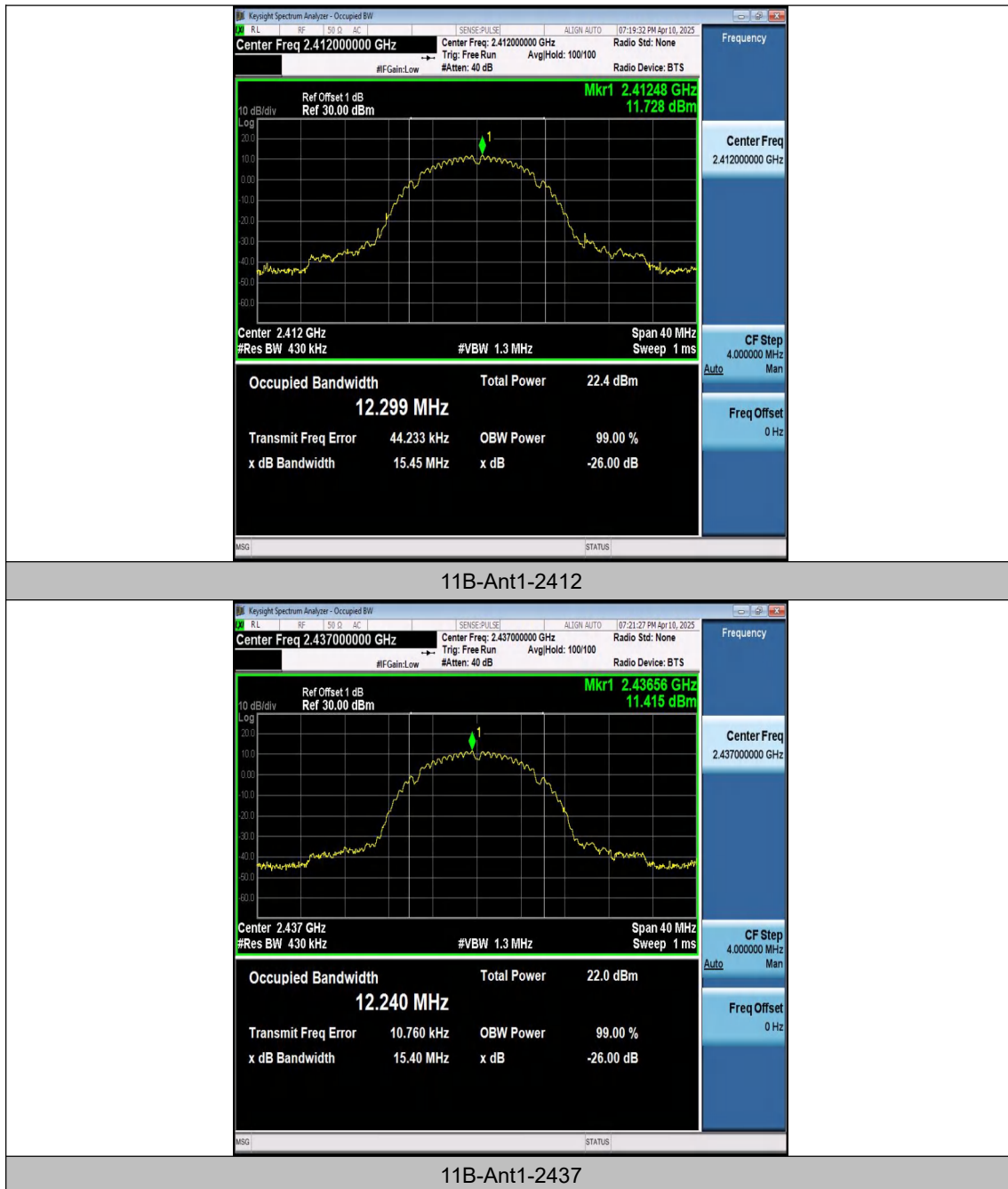
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.299	2405.8947	2418.1937	---	---
11B	Ant1	2437	12.240	2430.8908	2443.1308	---	---
11B	Ant1	2462	12.239	2455.9472	2468.1862	---	---
11G	Ant1	2412	17.589	2403.1755	2420.7645	---	---
11G	Ant1	2437	17.643	2428.1047	2445.7477	---	---
11G	Ant1	2462	17.582	2453.1455	2470.7275	---	---
11N20SISO	Ant1	2412	18.565	2402.6836	2421.2486	---	---
11N20SISO	Ant1	2437	18.491	2427.6992	2446.1902	---	---
11N20SISO	Ant1	2462	18.468	2452.7593	2471.2273	---	---
11N40SISO	Ant1	2422	36.796	2403.5739	2440.3699	---	---
11N40SISO	Ant1	2437	36.788	2418.5811	2455.3691	---	---
11N40SISO	Ant1	2452	36.778	2433.5539	2470.3319	---	---
11AX20SISO	Ant1	2412	19.394	2402.3036	2421.6976	---	---
11AX20SISO	Ant1	2437	19.353	2427.2976	2446.6506	---	---
11AX20SISO	Ant1	2462	19.365	2452.3583	2471.7233	---	---
11AX40SISO	Ant1	2422	38.048	2402.9565	2441.0045	---	---
11AX40SISO	Ant1	2437	38.042	2417.9754	2456.0174	---	---
11AX40SISO	Ant1	2452	38.083	2432.9936	2471.0766	---	---



Test Graphs



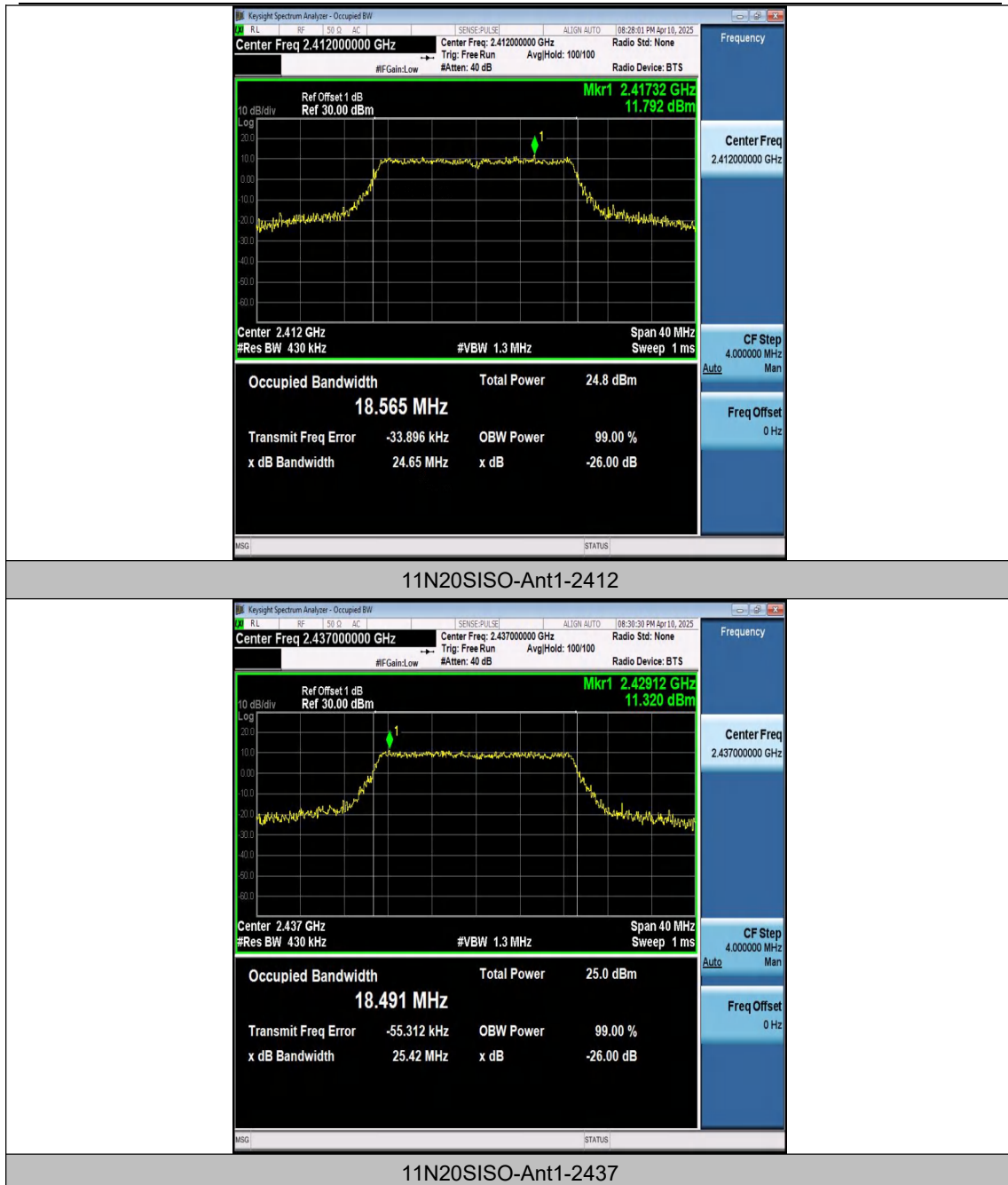
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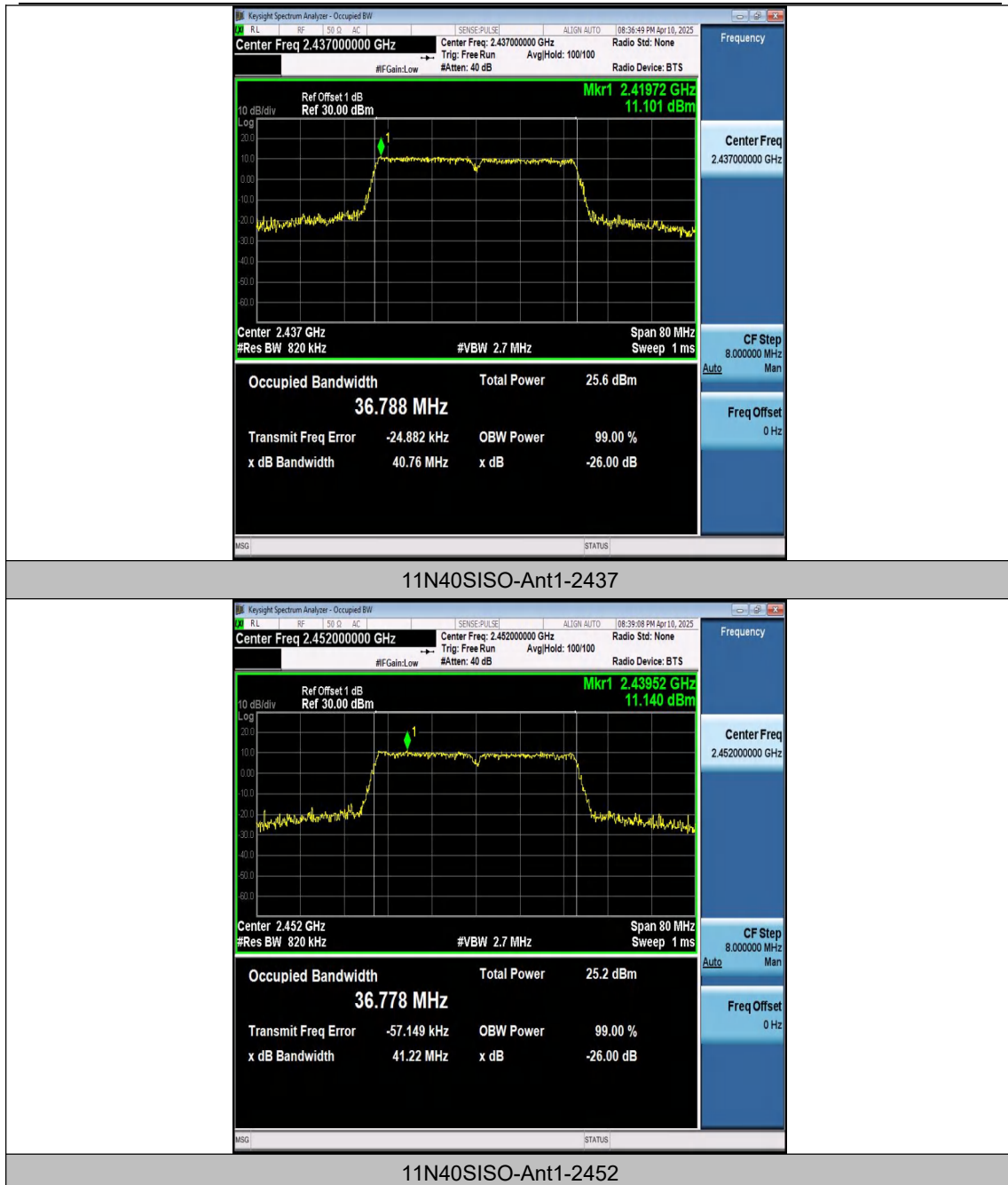




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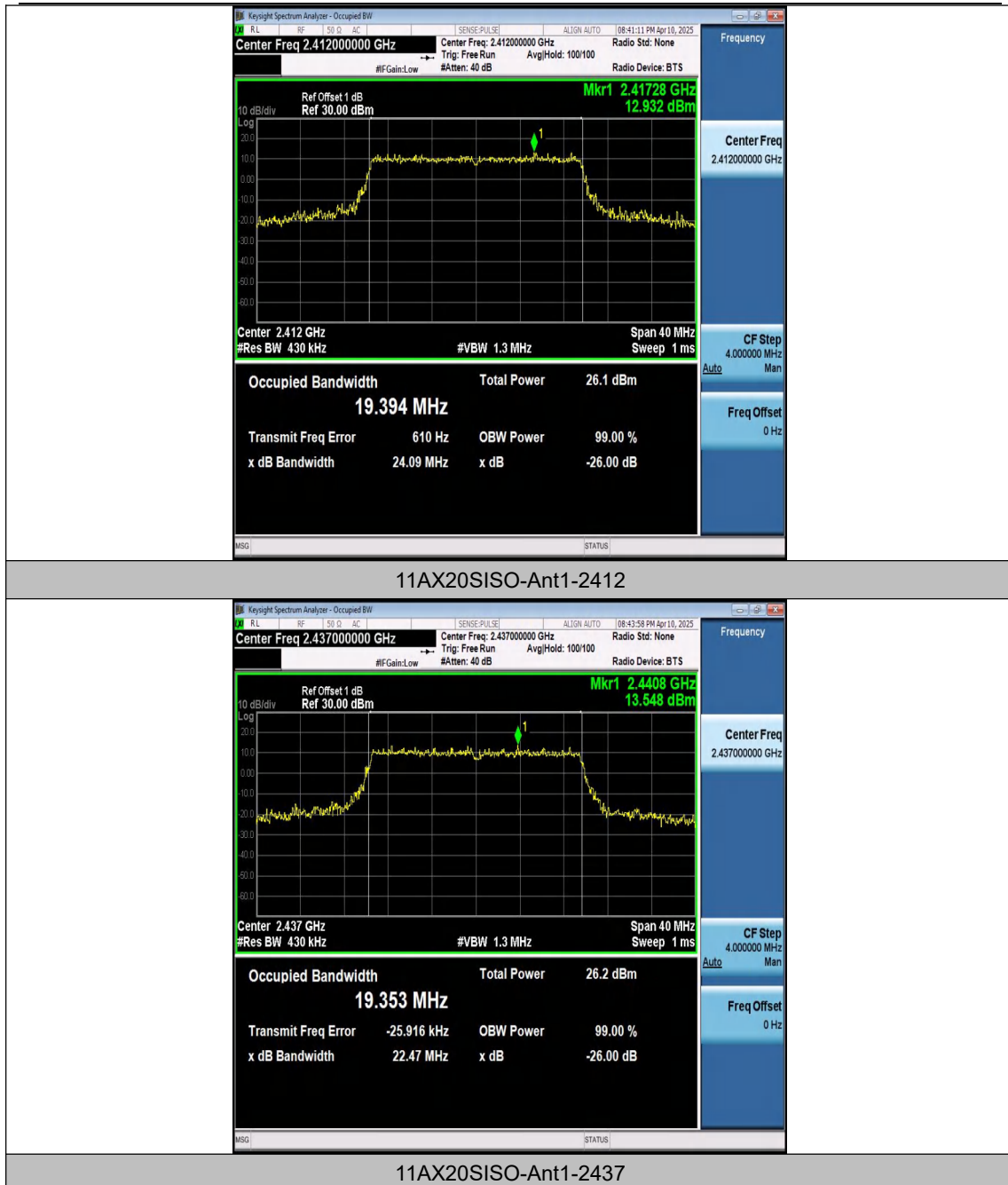


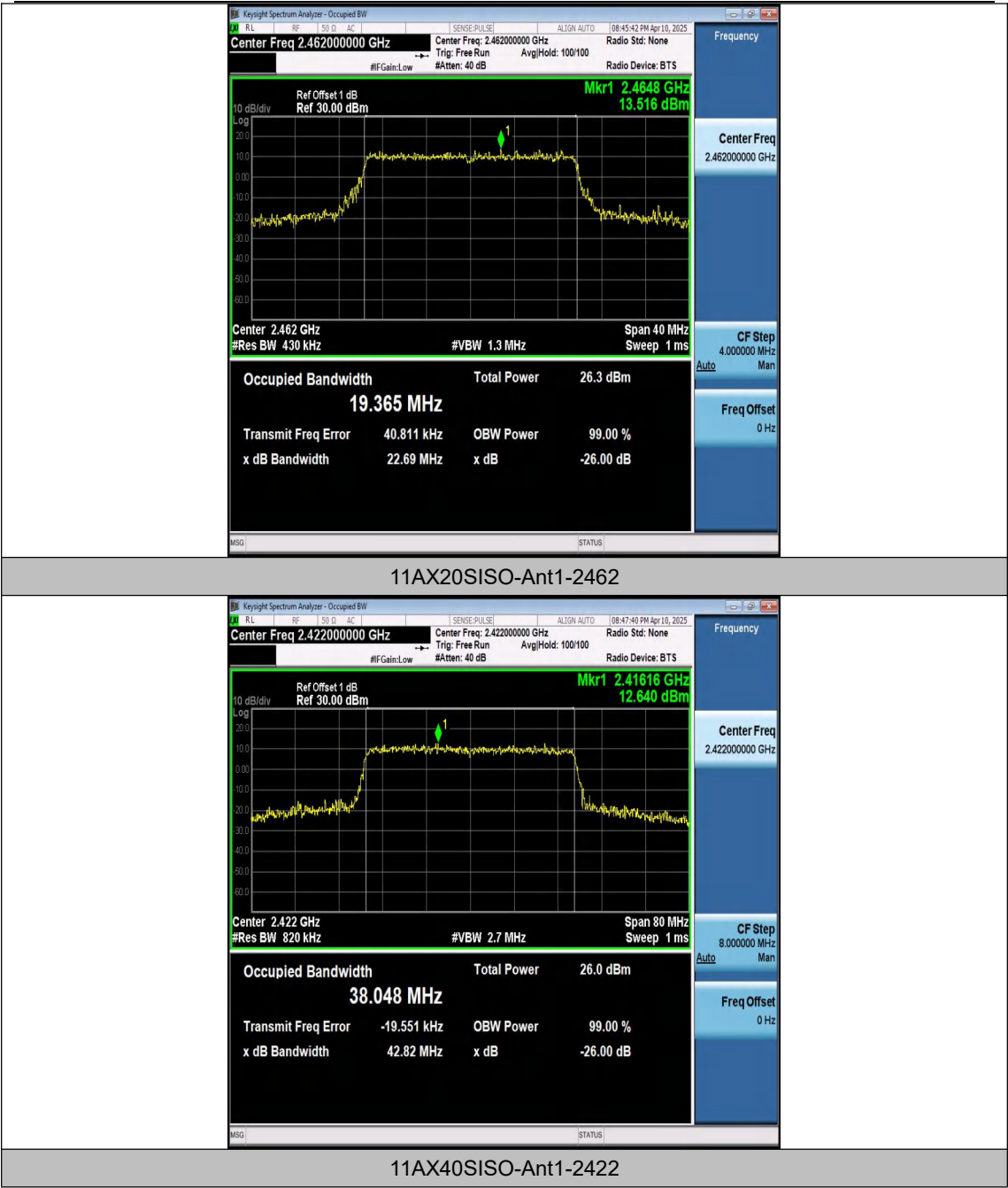
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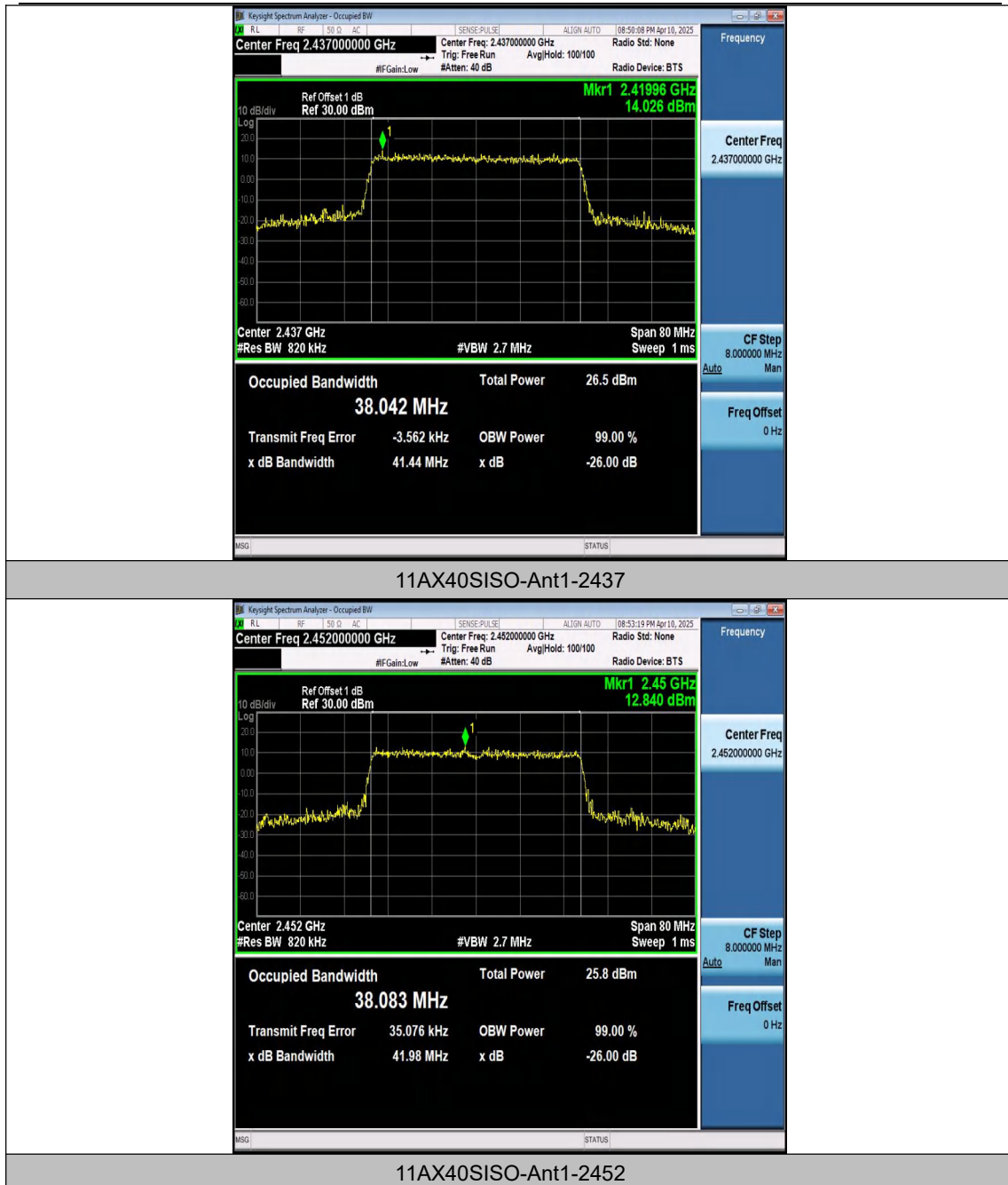
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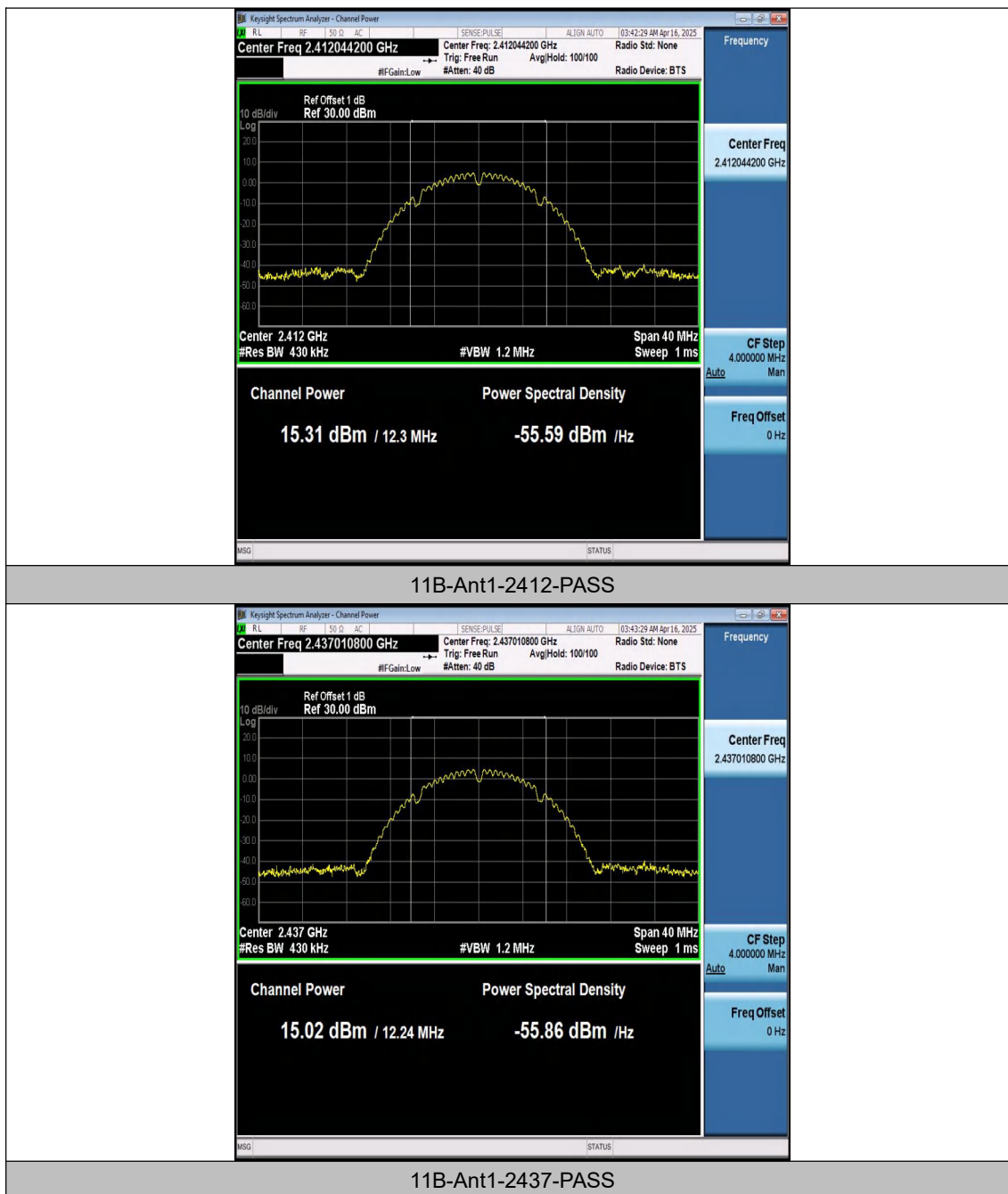
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.31	100.00	0.00	15.31	≤30.00	PASS
11B	Ant1	2437	15.02	100.00	0.00	15.02	≤30.00	PASS
11B	Ant1	2462	14.71	100.00	0.00	14.71	≤30.00	PASS
11G	Ant1	2412	15.92	100.00	0.00	15.92	≤30.00	PASS
11G	Ant1	2437	15.55	100.00	0.00	15.55	≤30.00	PASS
11G	Ant1	2462	15.35	100.00	0.00	15.35	≤30.00	PASS
11N20SISO	Ant1	2412	15.80	100.00	0.00	15.80	≤30.00	PASS
11N20SISO	Ant1	2437	15.45	100.00	0.00	15.45	≤30.00	PASS
11N20SISO	Ant1	2462	15.16	100.00	0.00	15.16	≤30.00	PASS
11N40SISO	Ant1	2422	15.49	100.00	0.00	15.49	≤30.00	PASS
11N40SISO	Ant1	2437	15.28	100.00	0.00	15.28	≤30.00	PASS
11N40SISO	Ant1	2452	15.08	100.00	0.00	15.08	≤30.00	PASS
11AX20SISO	Ant1	2412	15.70	100.00	0.00	15.70	≤30.00	PASS
11AX20SISO	Ant1	2437	15.42	100.00	0.00	15.42	≤30.00	PASS
11AX20SISO	Ant1	2462	15.21	100.00	0.00	15.21	≤30.00	PASS
11AX40SISO	Ant1	2422	15.51	100.00	0.00	15.51	≤30.00	PASS
11AX40SISO	Ant1	2437	15.31	100.00	0.00	15.31	≤30.00	PASS
11AX40SISO	Ant1	2452	15.16	100.00	0.00	15.16	≤30.00	PASS

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

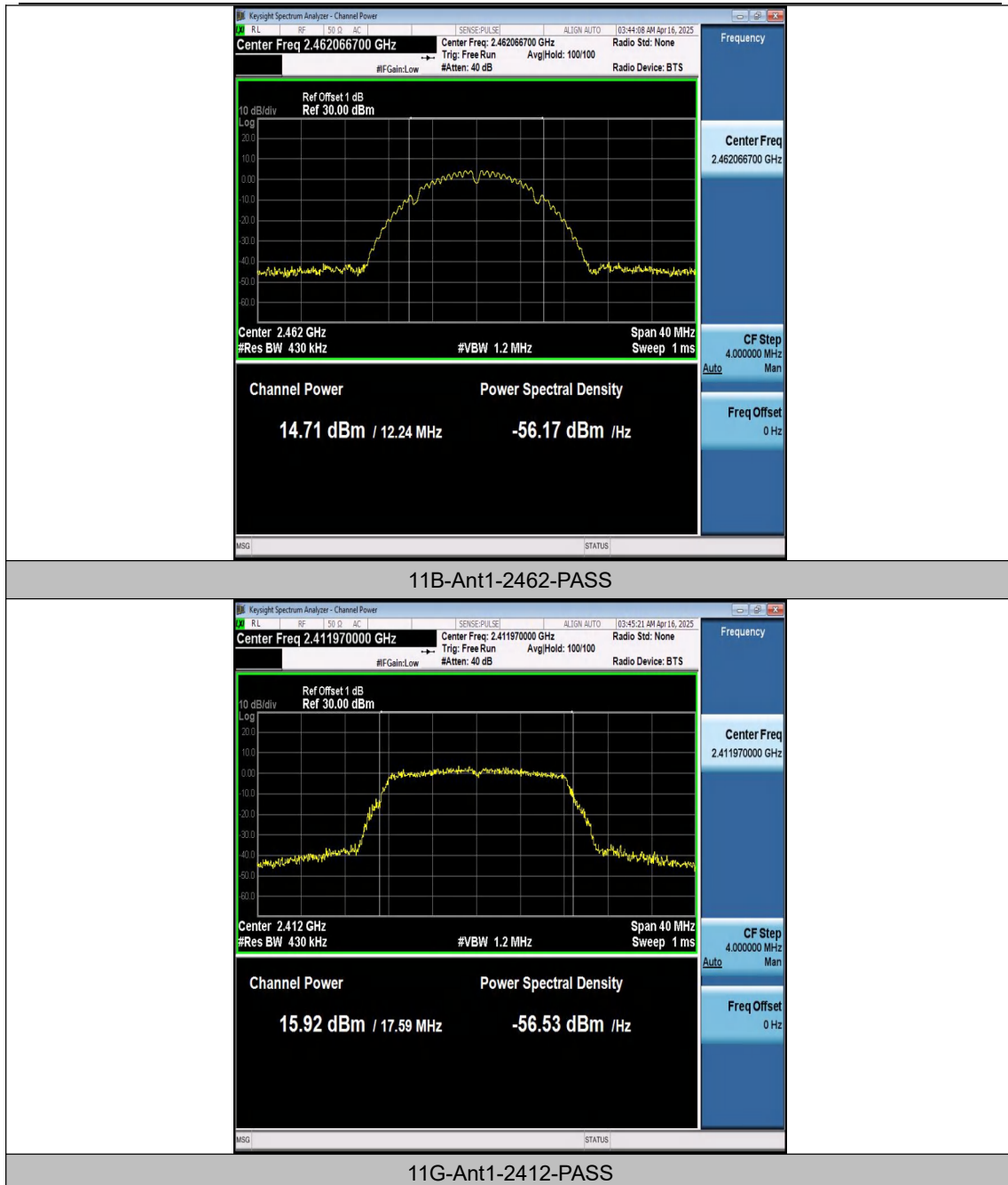
Test Graphs Average

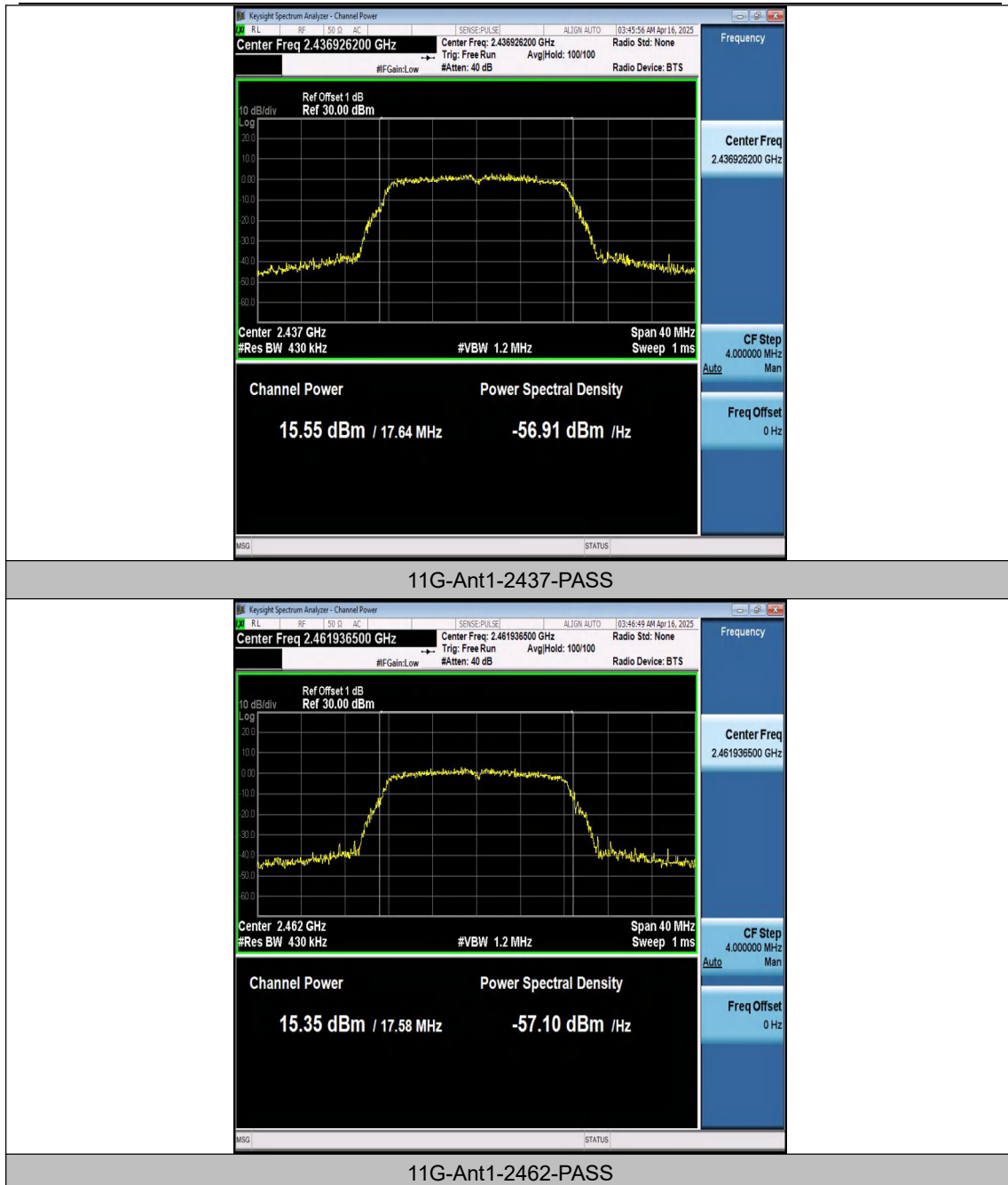


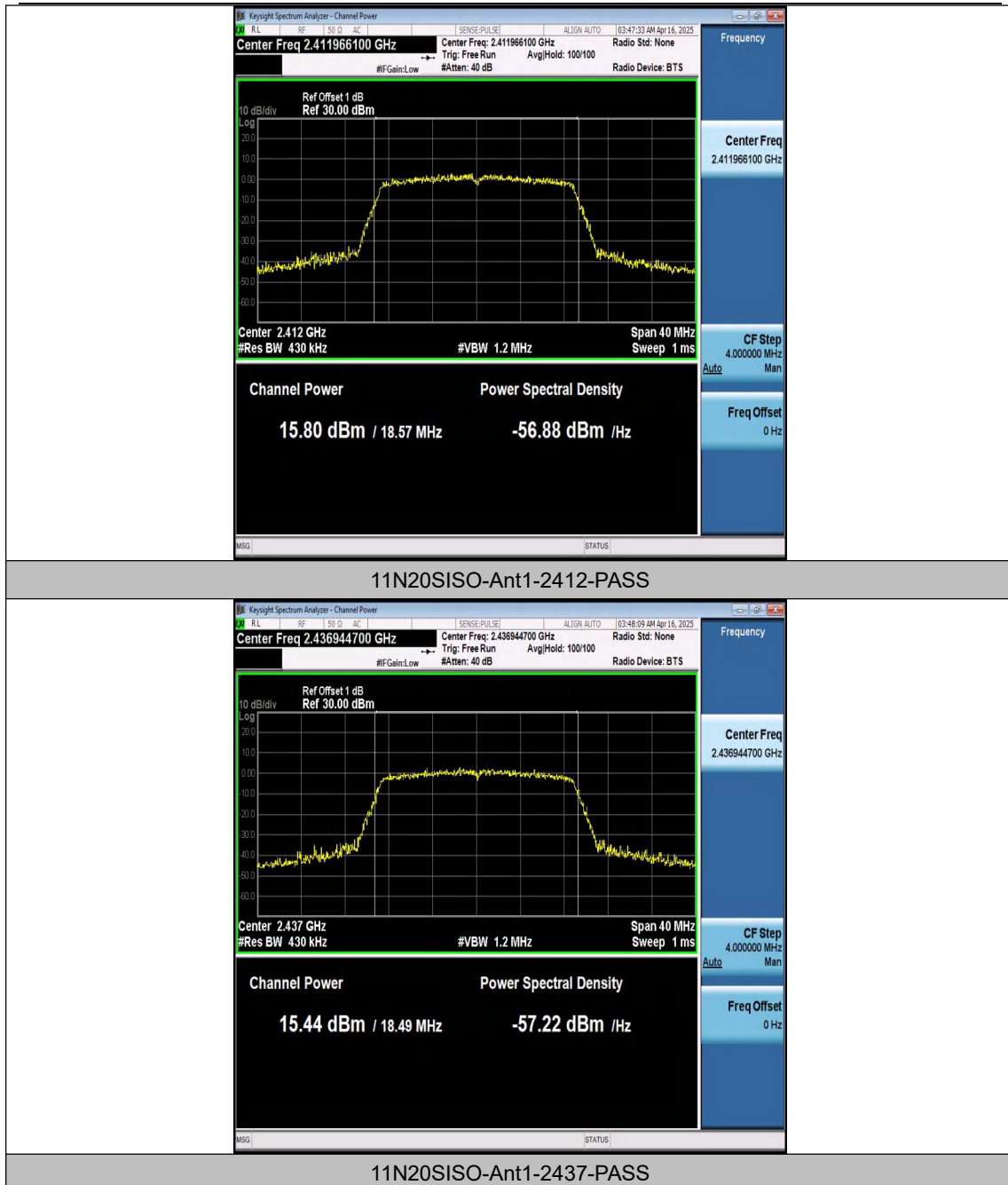
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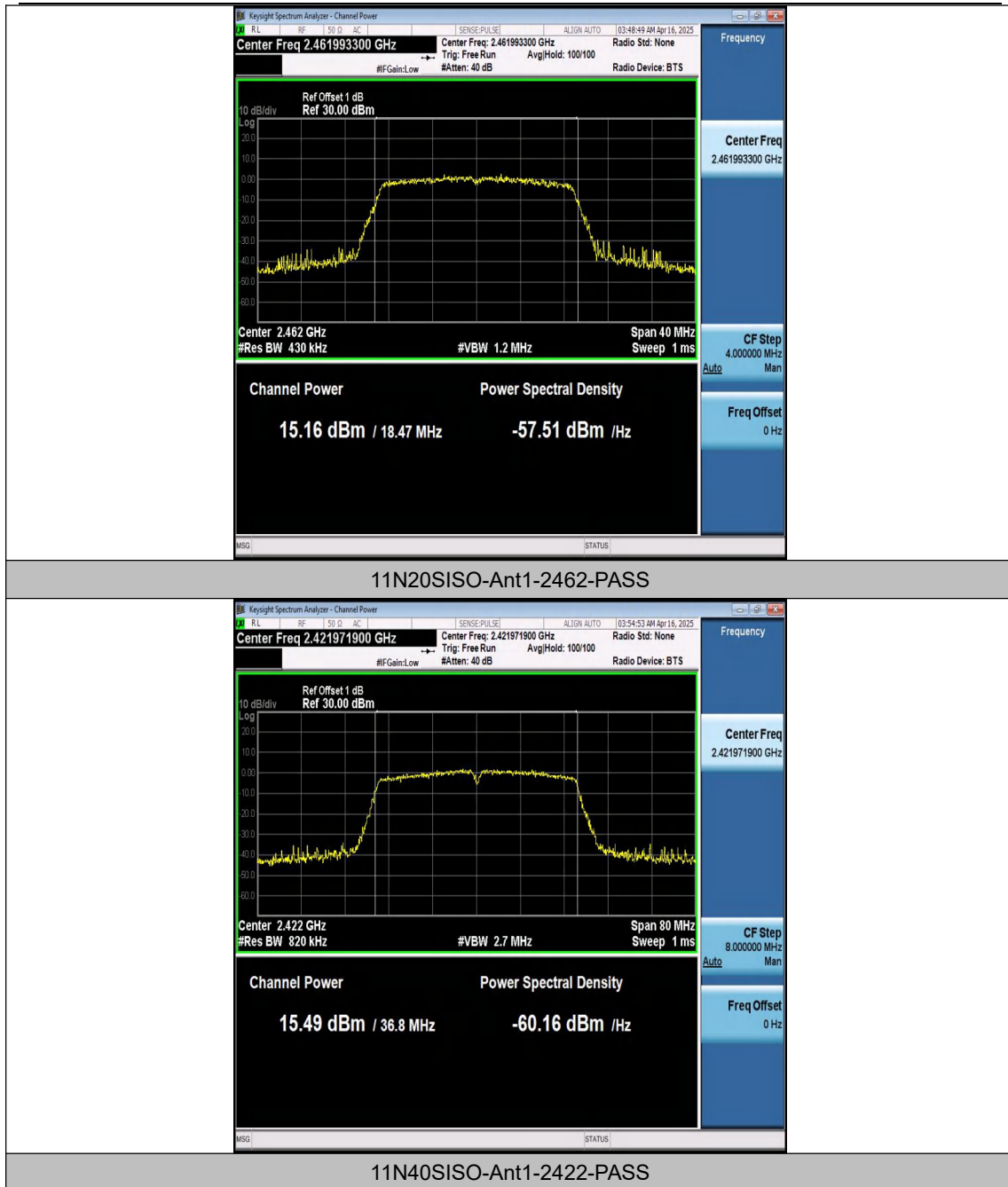
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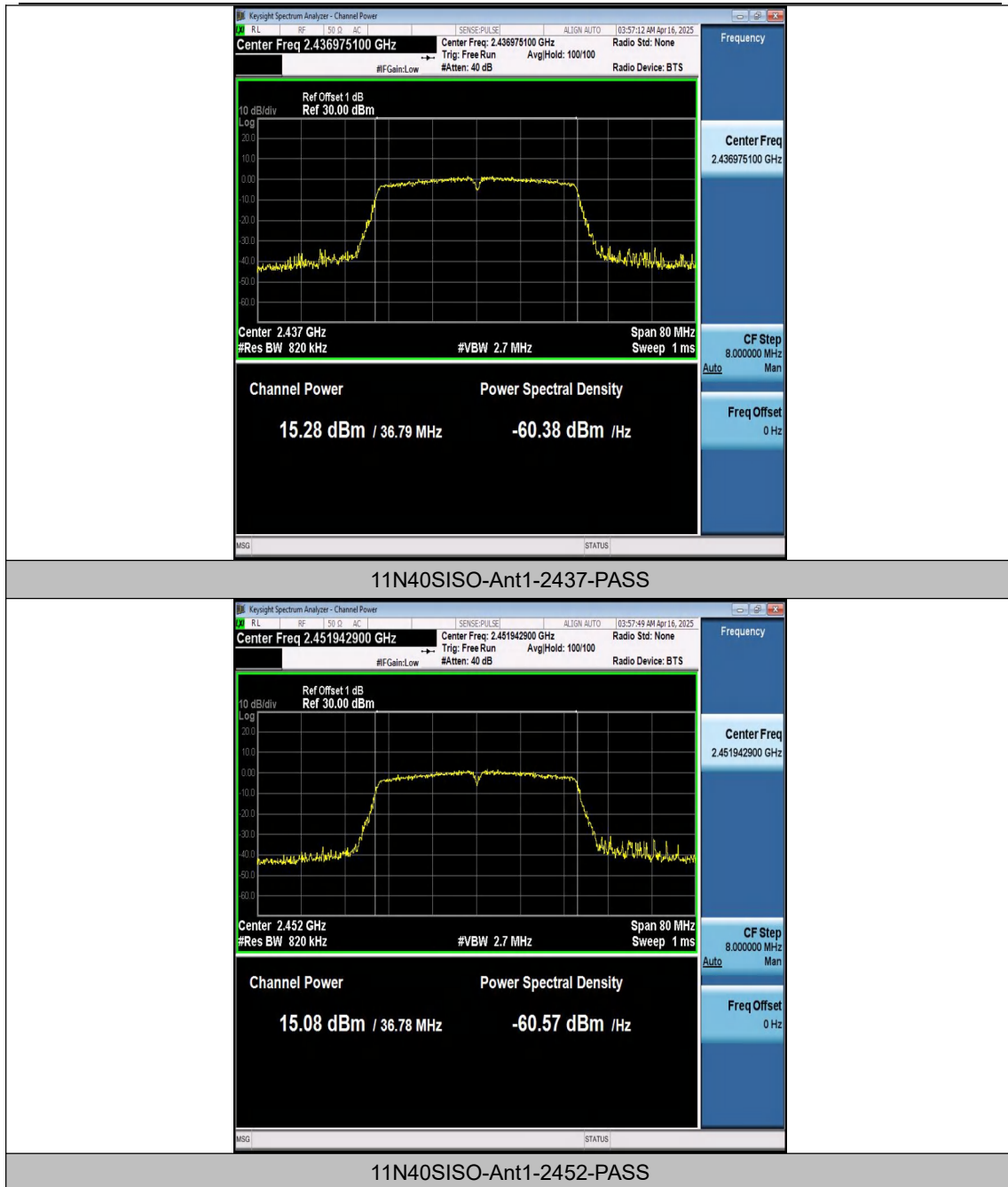
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