

Appendix Test Data

Report No.:	1812C50163212502	Test Sample No.:	1-2-2
Start Test Date:	2025.04.21	Finish Test Date:	2025.04.21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.2°C	Relative Humidity:	50%
Pressure:	101kPa		

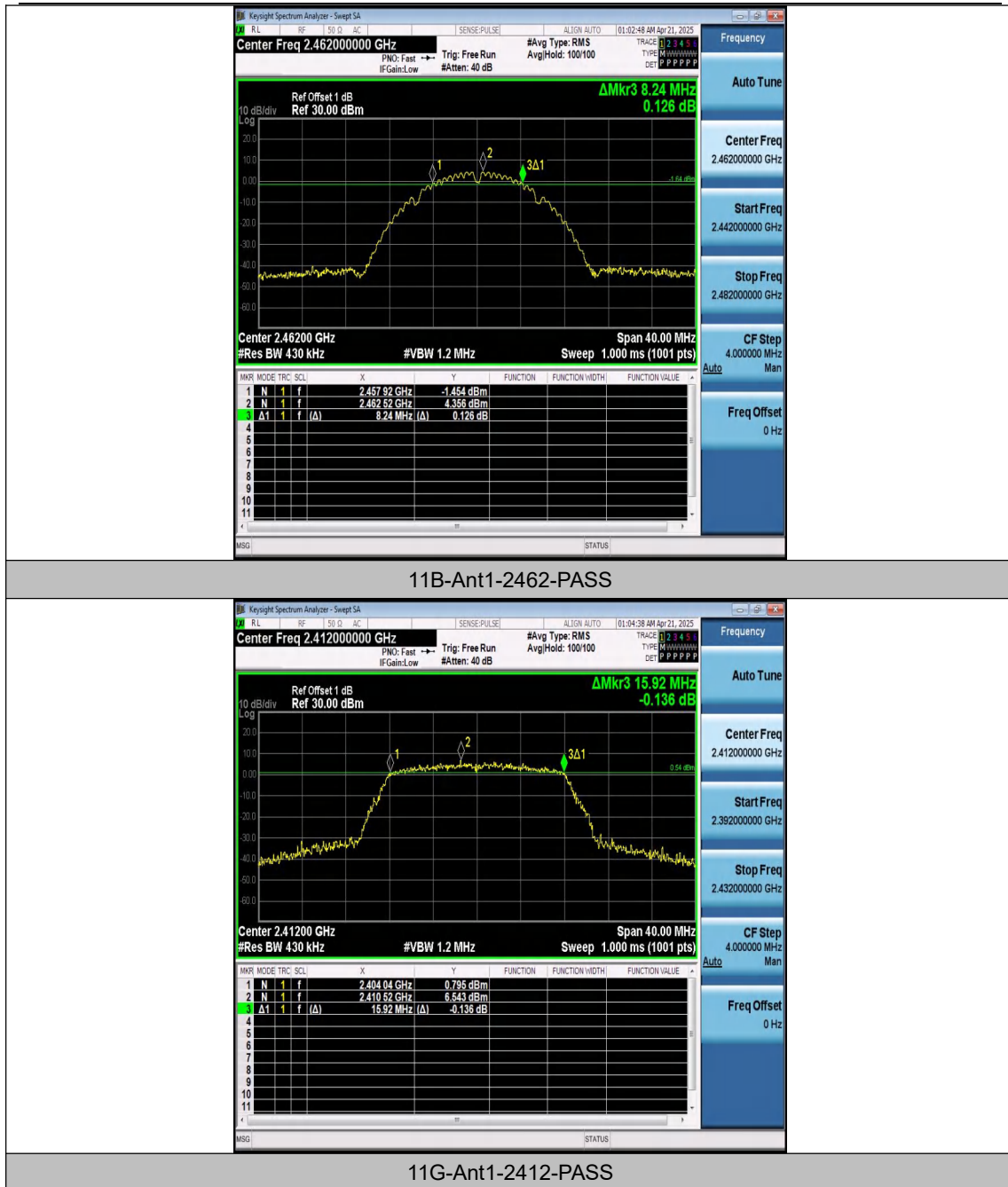
Appendix A: 6dB Bandwidth

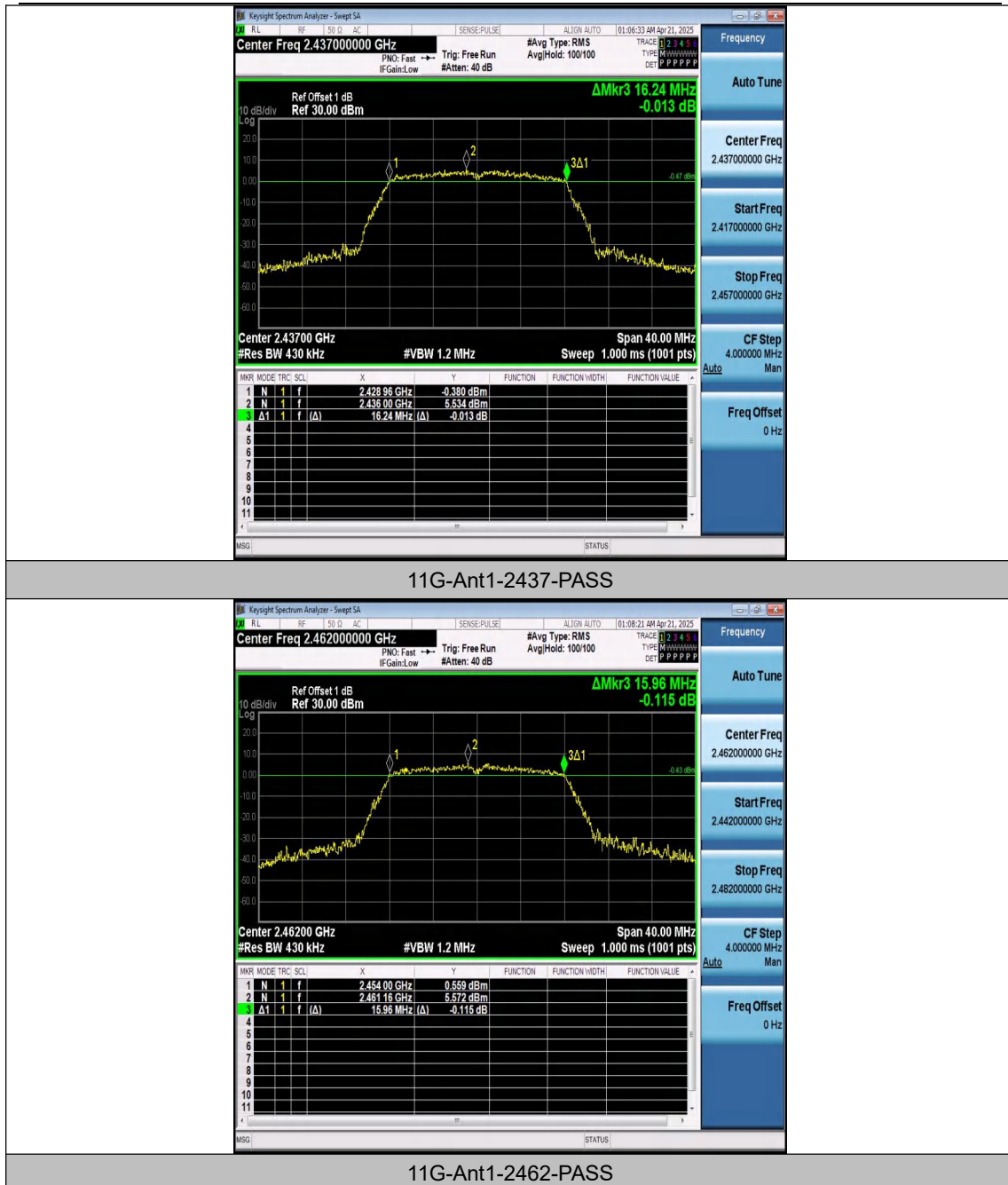
Test Result

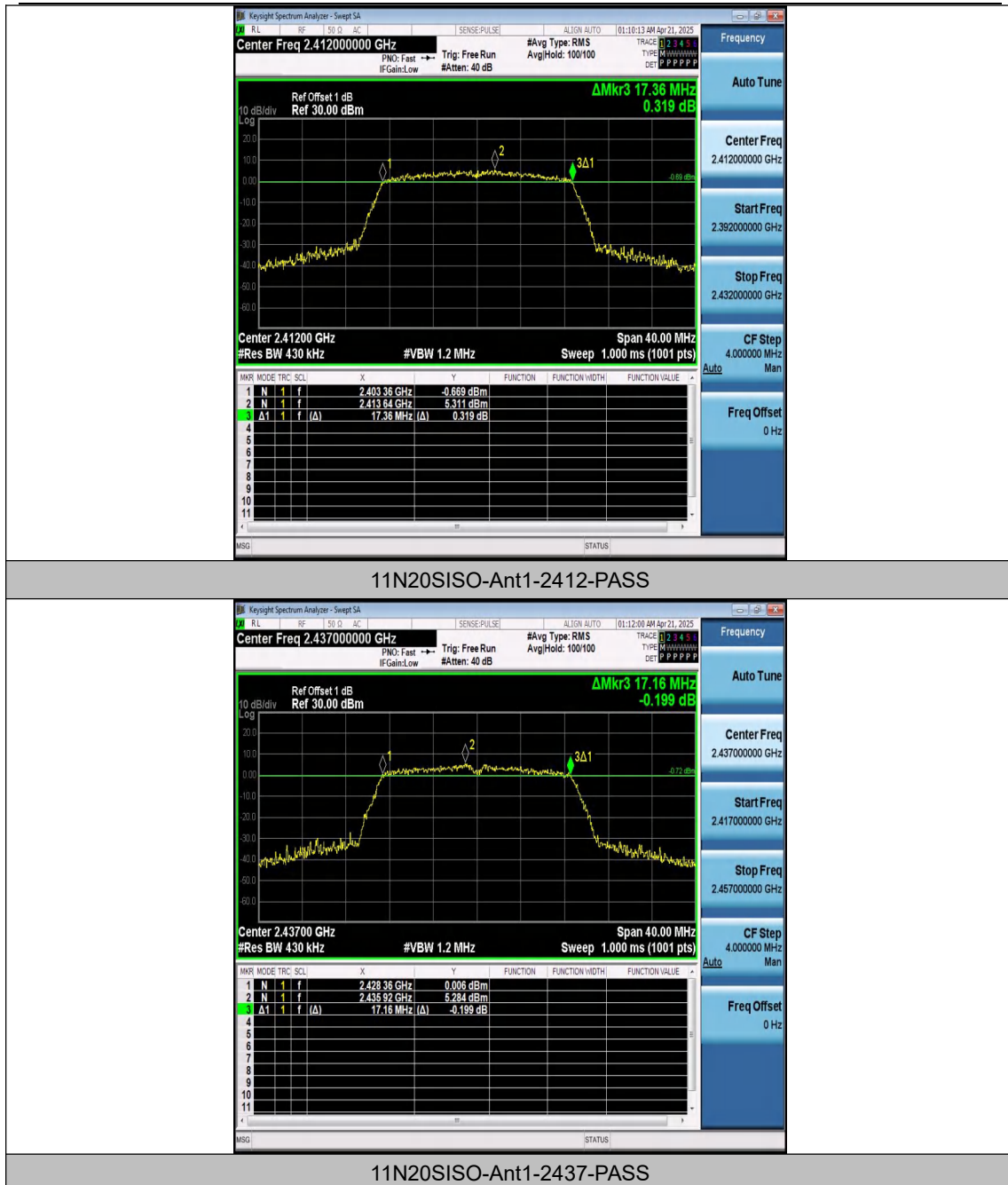
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.920	2416.160	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	15.920	2404.040	2419.960	0.5	PASS
11G	Ant1	2437	16.240	2428.960	2445.200	0.5	PASS
11G	Ant1	2462	15.960	2454.000	2469.960	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.360	2420.720	0.5	PASS
11N20SISO	Ant1	2437	17.160	2428.360	2445.520	0.5	PASS
11N20SISO	Ant1	2462	17.440	2453.280	2470.720	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.240	2440.320	0.5	PASS
11N40SISO	Ant1	2437	35.440	2419.400	2454.840	0.5	PASS
11N40SISO	Ant1	2452	35.600	2434.400	2470.000	0.5	PASS

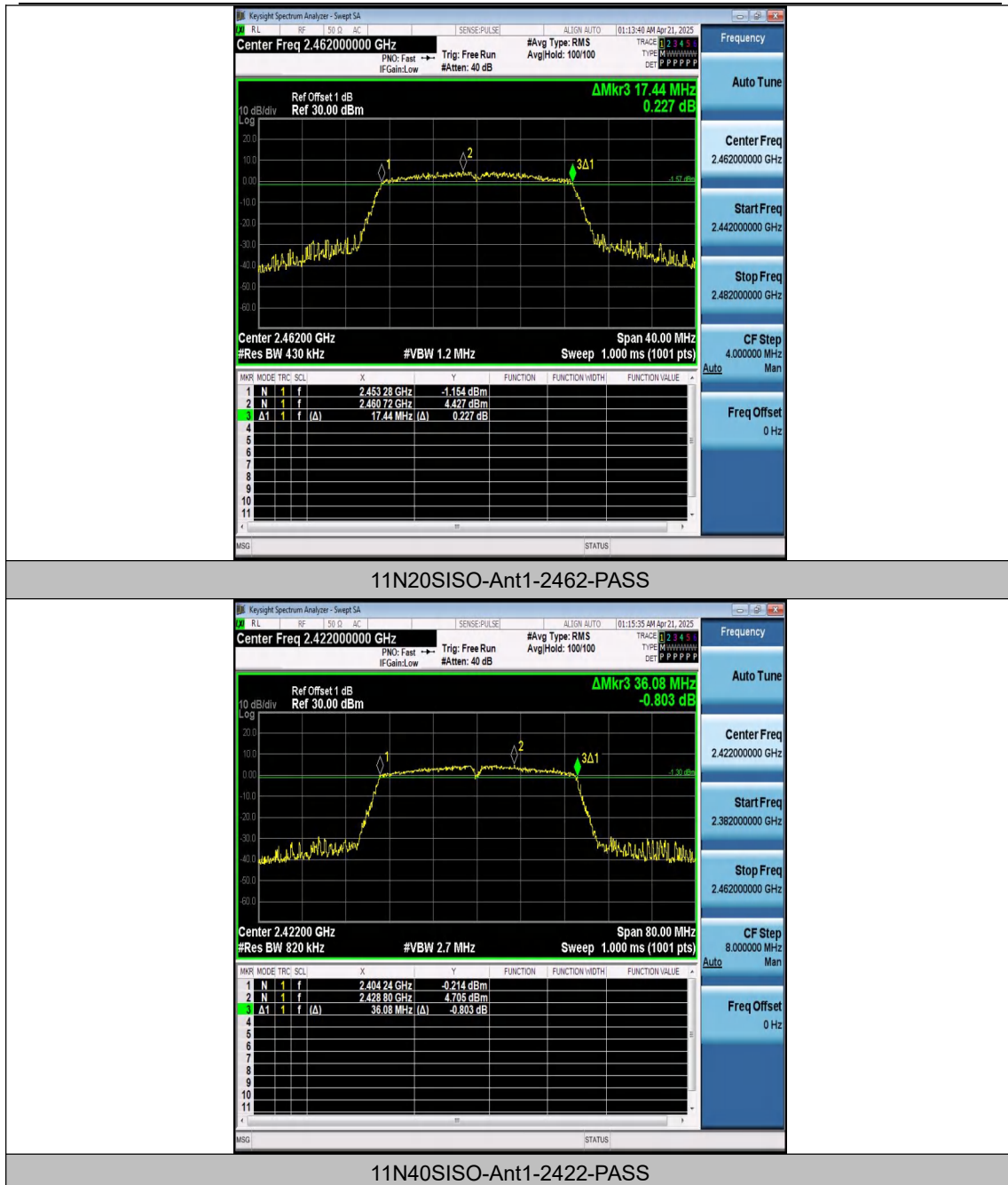
Test Graphs







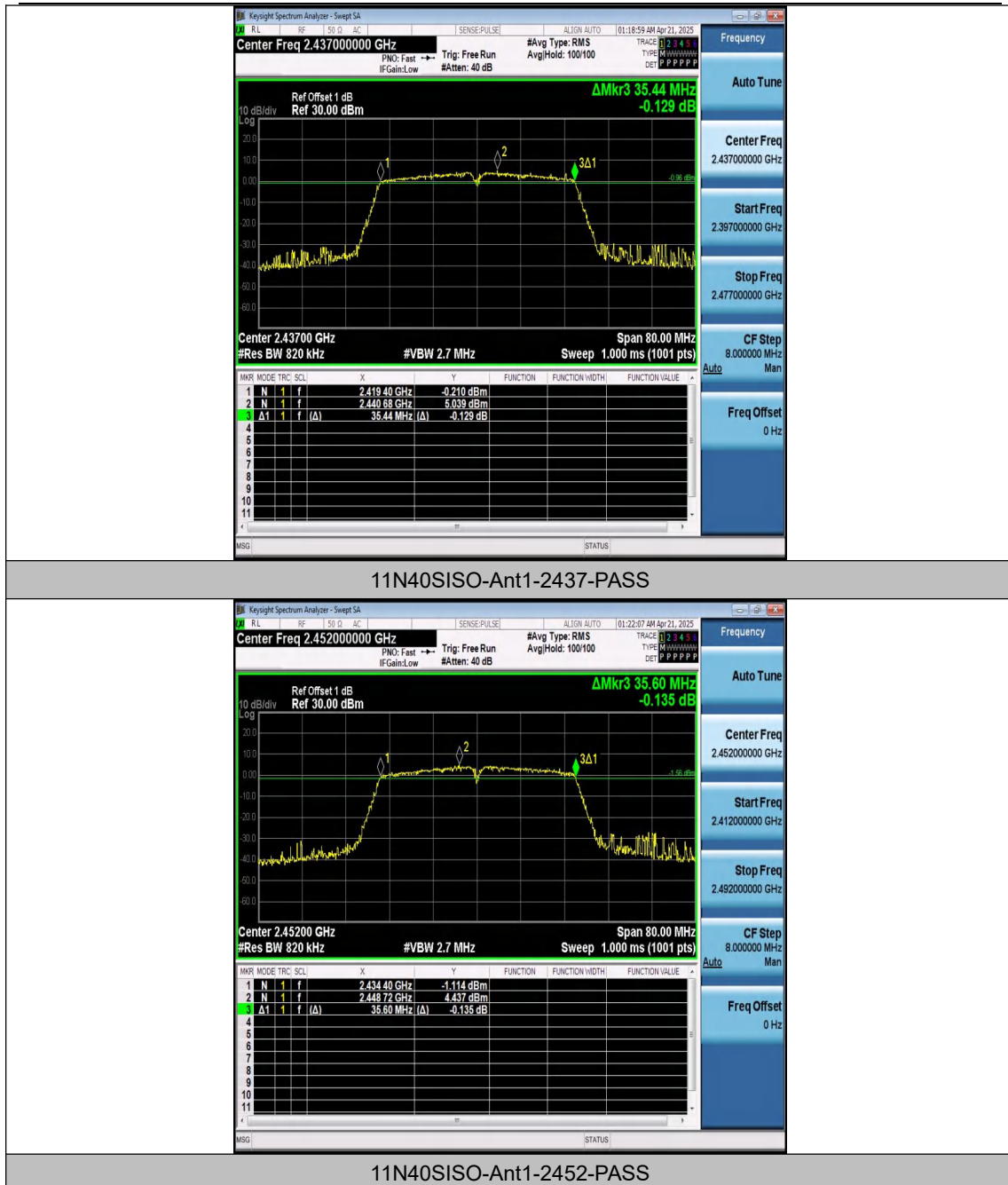




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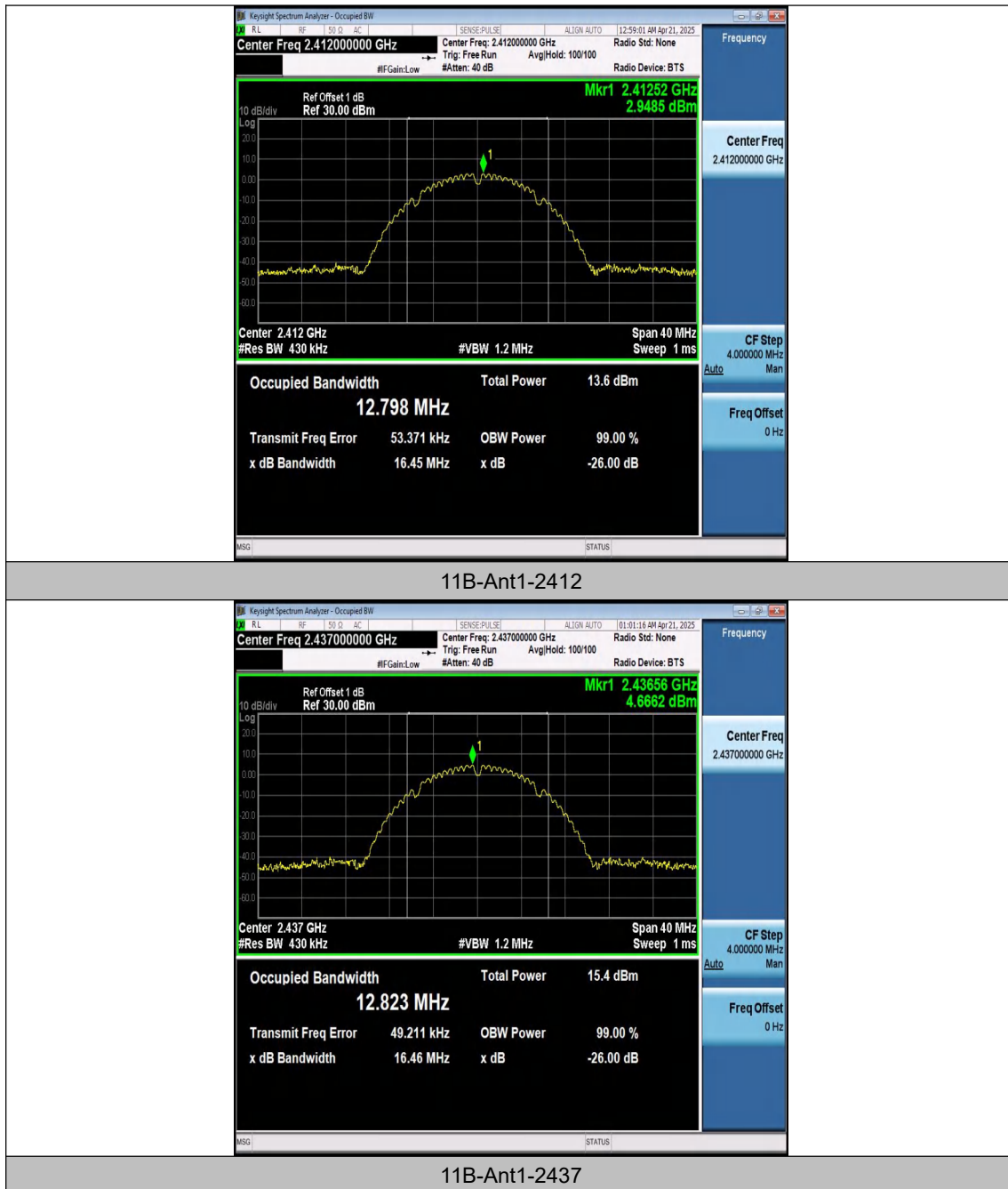
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.798	2405.6544	2418.4524	---	---
11B	Ant1	2437	12.823	2430.6377	2443.4607	---	---
11B	Ant1	2462	12.783	2455.6765	2468.4595	---	---
11G	Ant1	2412	16.925	2403.5755	2420.5005	---	---
11G	Ant1	2437	16.821	2428.6201	2445.4411	---	---
11G	Ant1	2462	16.788	2453.6676	2470.4556	---	---
11N20SISO	Ant1	2412	17.763	2403.1335	2420.8965	---	---
11N20SISO	Ant1	2437	17.787	2428.1241	2445.9111	---	---
11N20SISO	Ant1	2462	17.797	2453.1423	2470.9393	---	---
11N40SISO	Ant1	2422	36.072	2404.0765	2440.1485	---	---
11N40SISO	Ant1	2437	36.134	2419.0225	2455.1565	---	---
11N40SISO	Ant1	2452	36.161	2434.0969	2470.2579	---	---



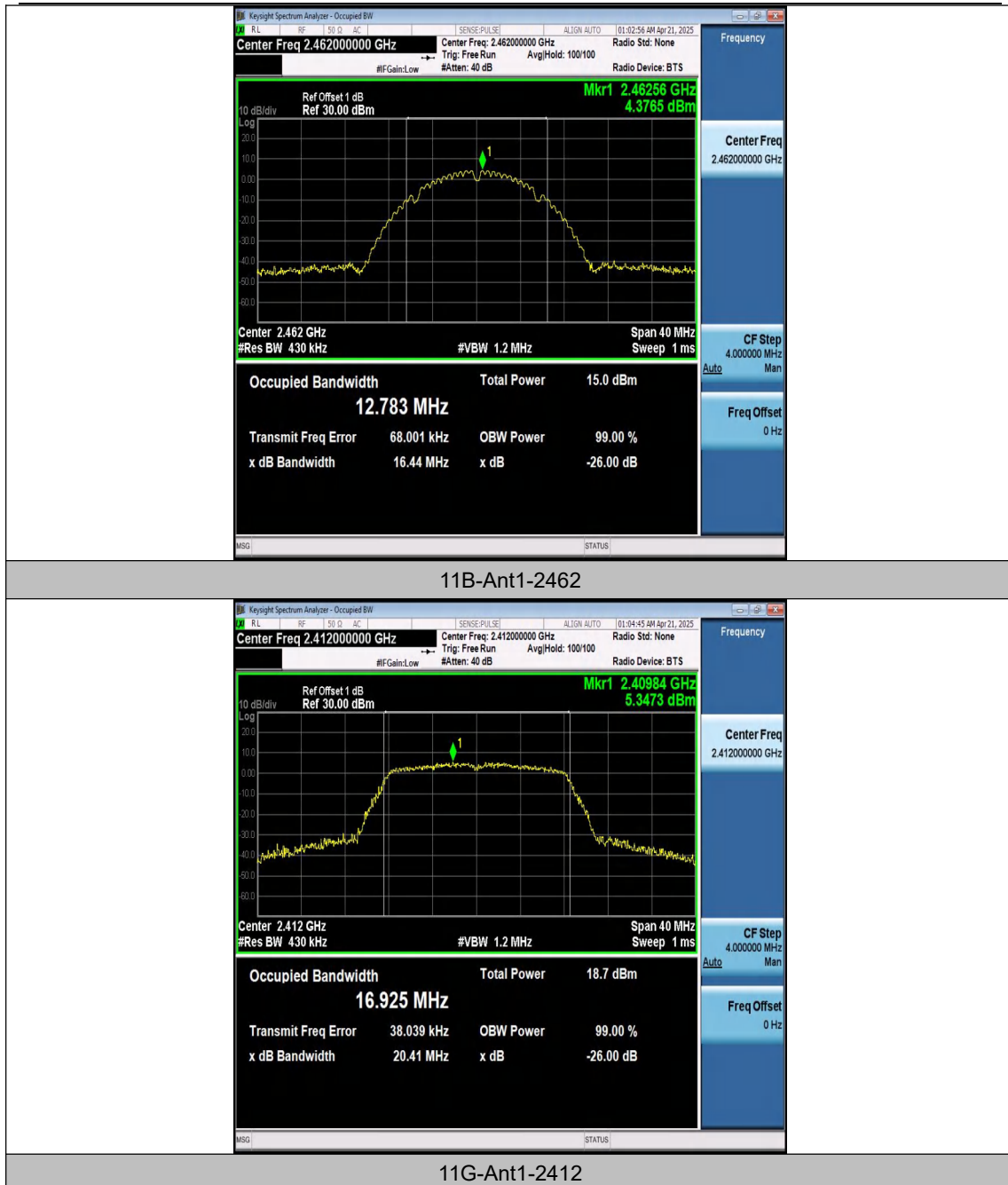
Test Graphs

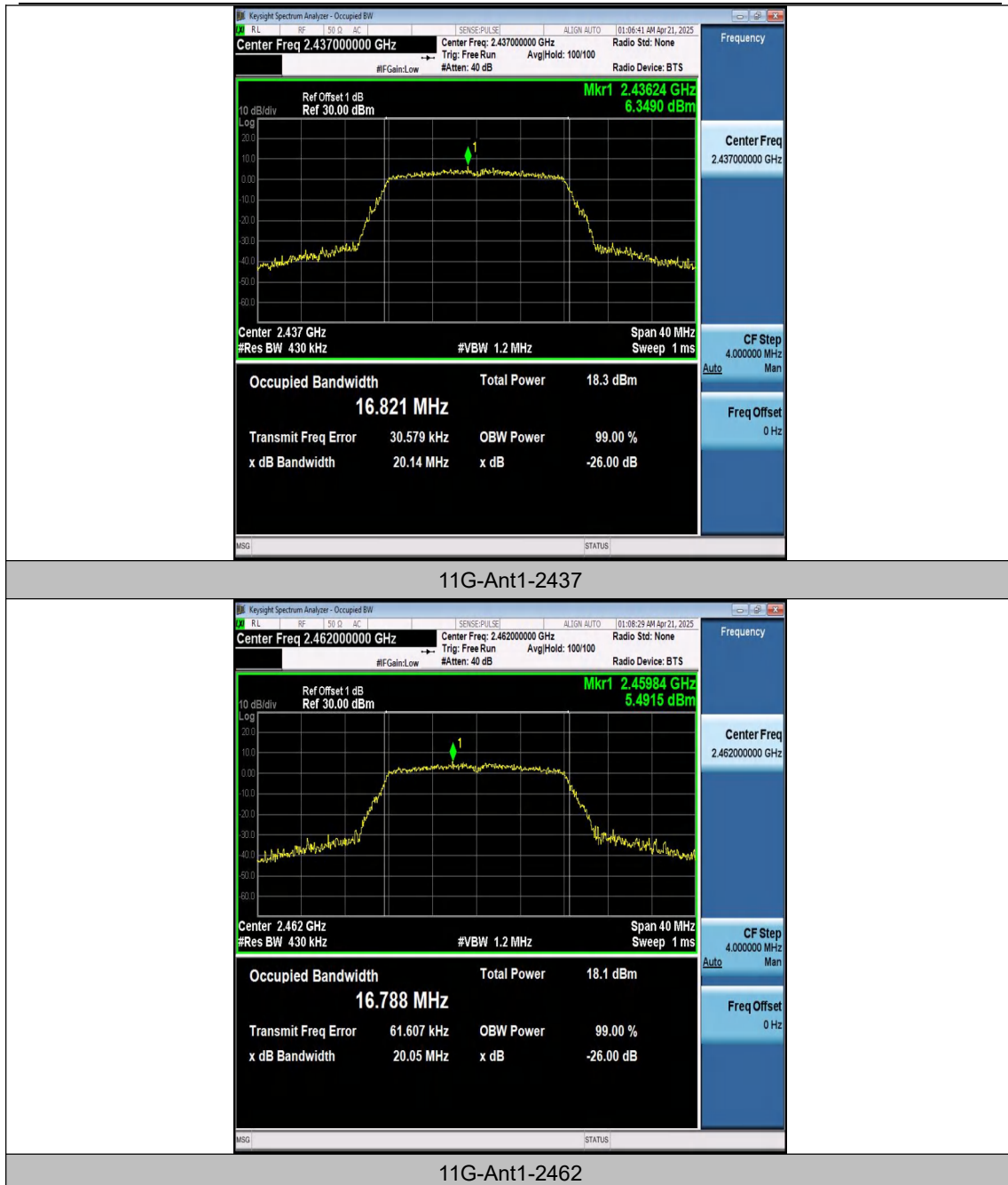


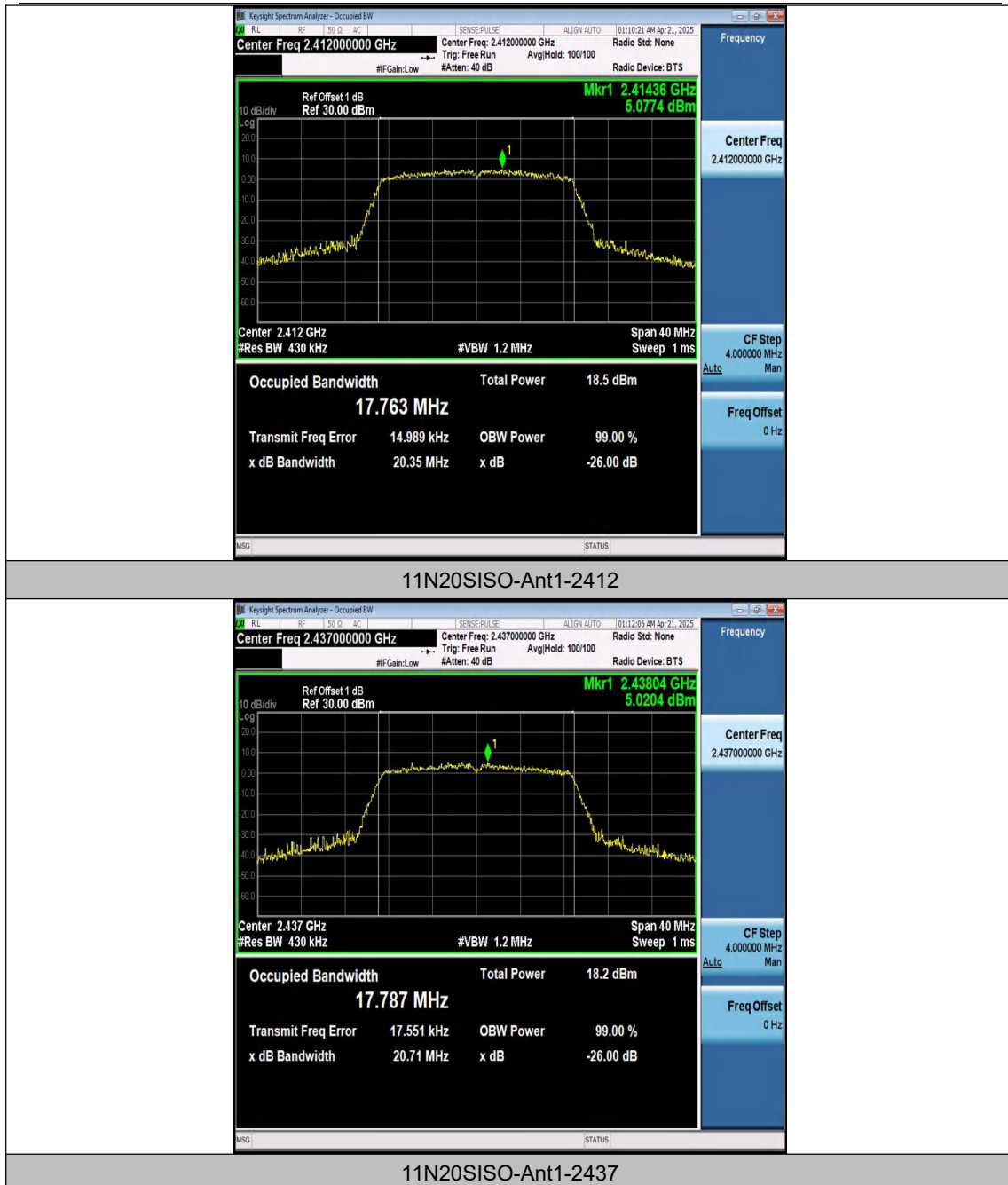
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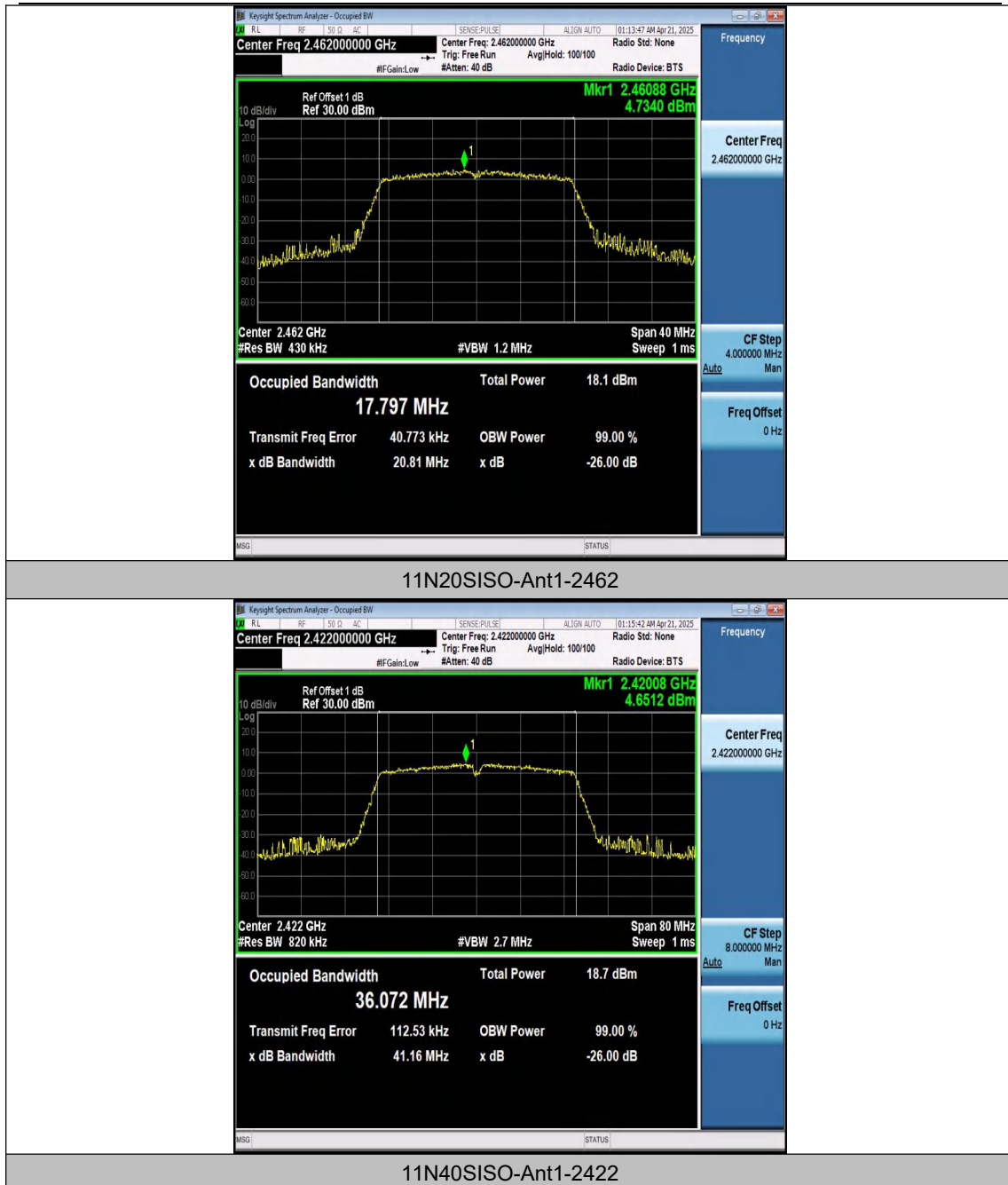
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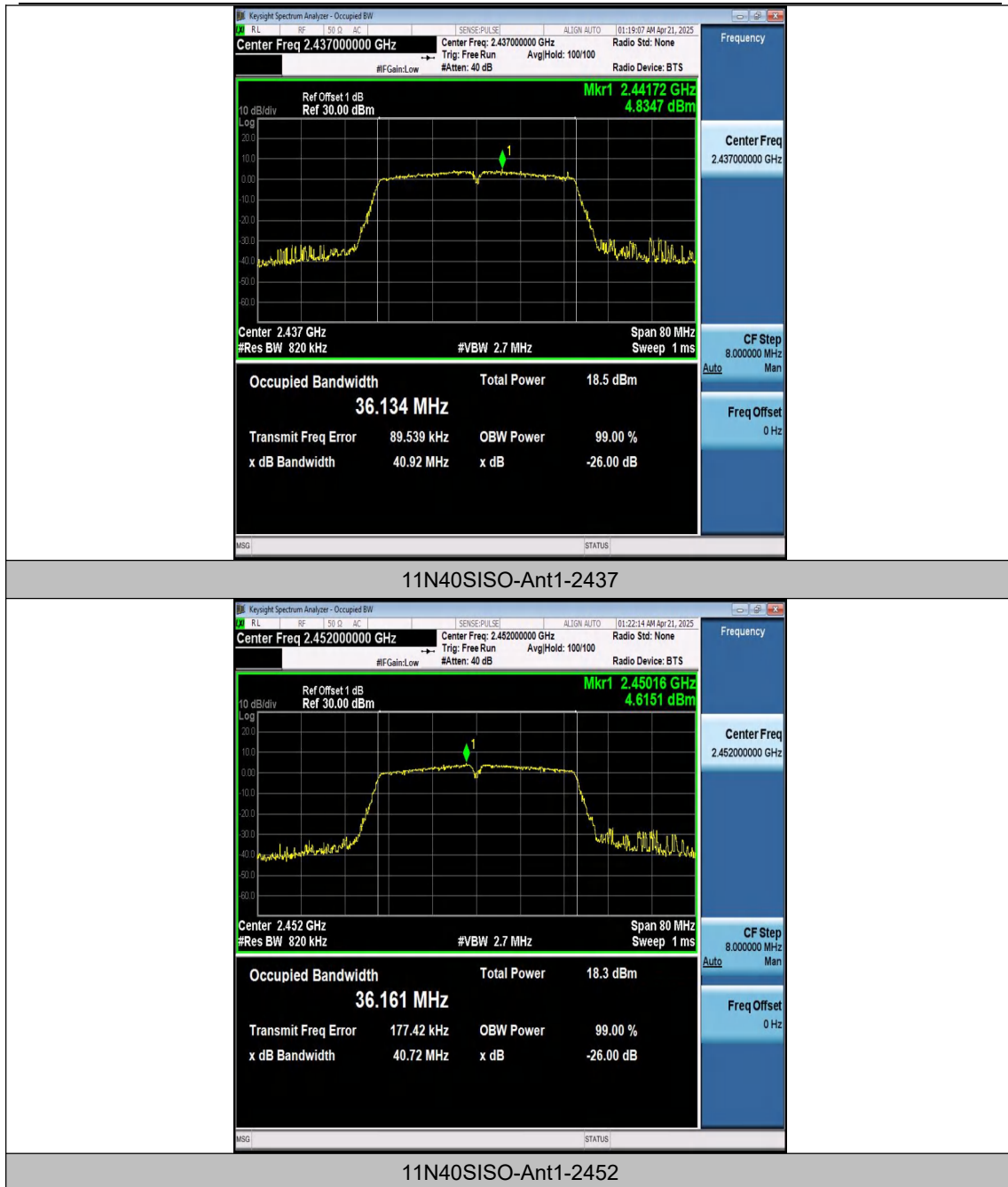
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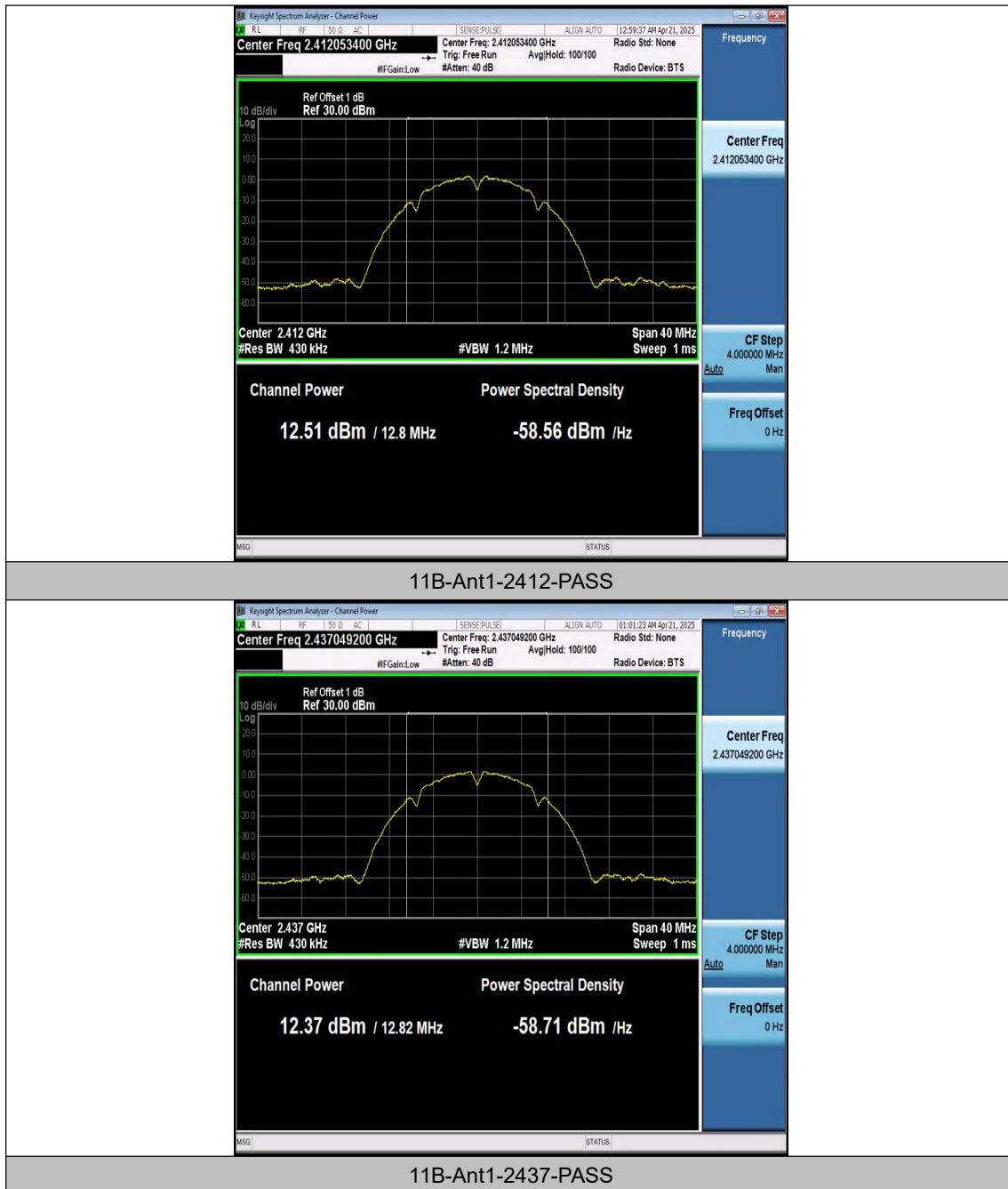
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.51	100.00	0.00	12.51	≤30.00	PASS
11B	Ant1	2437	12.37	100.00	0.00	12.37	≤30.00	PASS
11B	Ant1	2462	12.09	100.00	0.00	12.09	≤30.00	PASS
11G	Ant1	2412	12.62	100.00	0.00	12.62	≤30.00	PASS
11G	Ant1	2437	12.30	100.00	0.00	12.30	≤30.00	PASS
11G	Ant1	2462	12.01	100.00	0.00	12.01	≤30.00	PASS
11N20SISO	Ant1	2412	12.42	100.00	0.00	12.42	≤30.00	PASS
11N20SISO	Ant1	2437	12.11	100.00	0.00	12.11	≤30.00	PASS
11N20SISO	Ant1	2462	11.91	100.00	0.00	11.91	≤30.00	PASS
11N40SISO	Ant1	2422	11.50	100.00	0.00	11.50	≤30.00	PASS
11N40SISO	Ant1	2437	11.29	100.00	0.00	11.29	≤30.00	PASS
11N40SISO	Ant1	2452	11.16	100.00	0.00	11.16	≤30.00	PASS

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

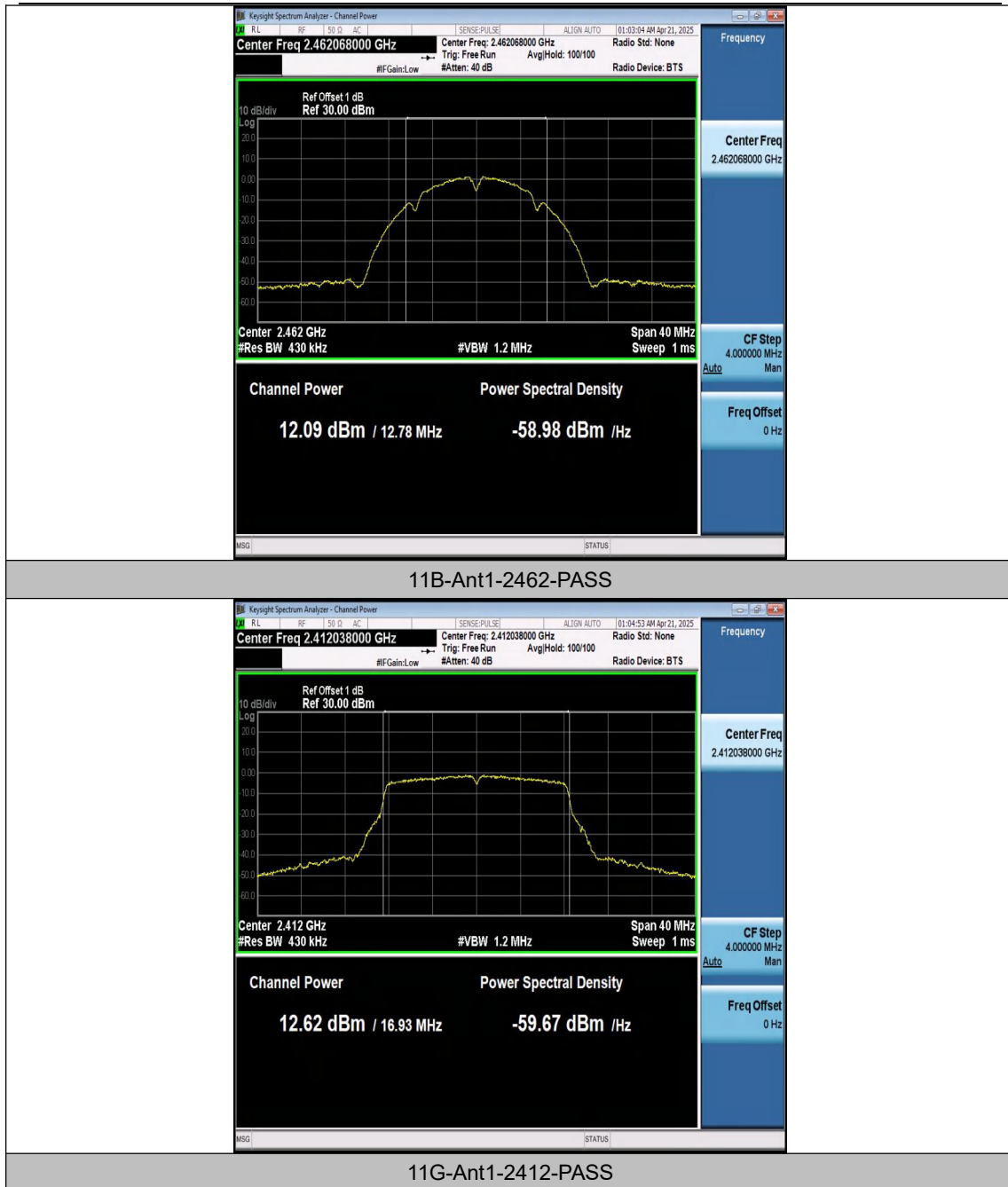
Test Graphs Average

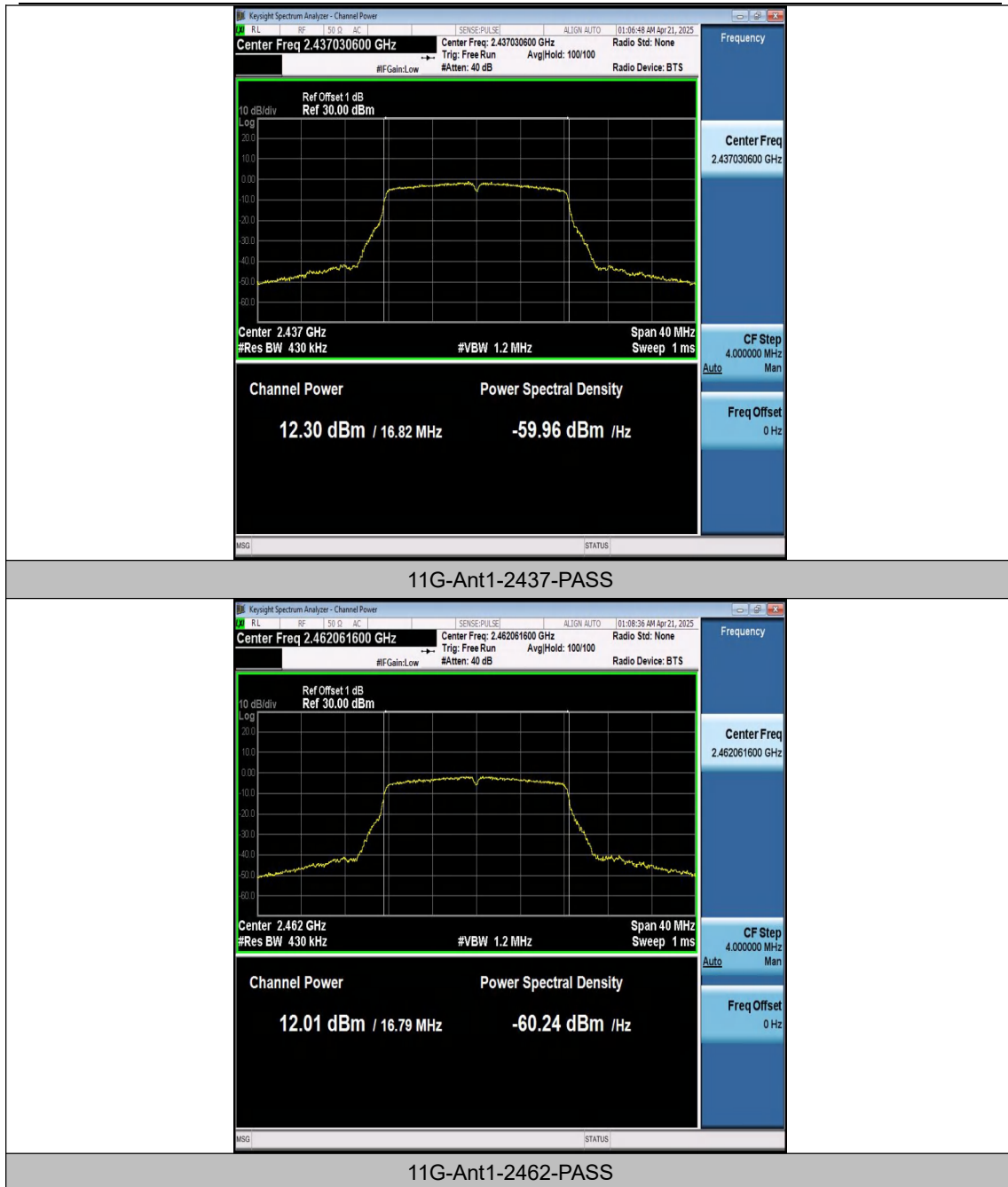


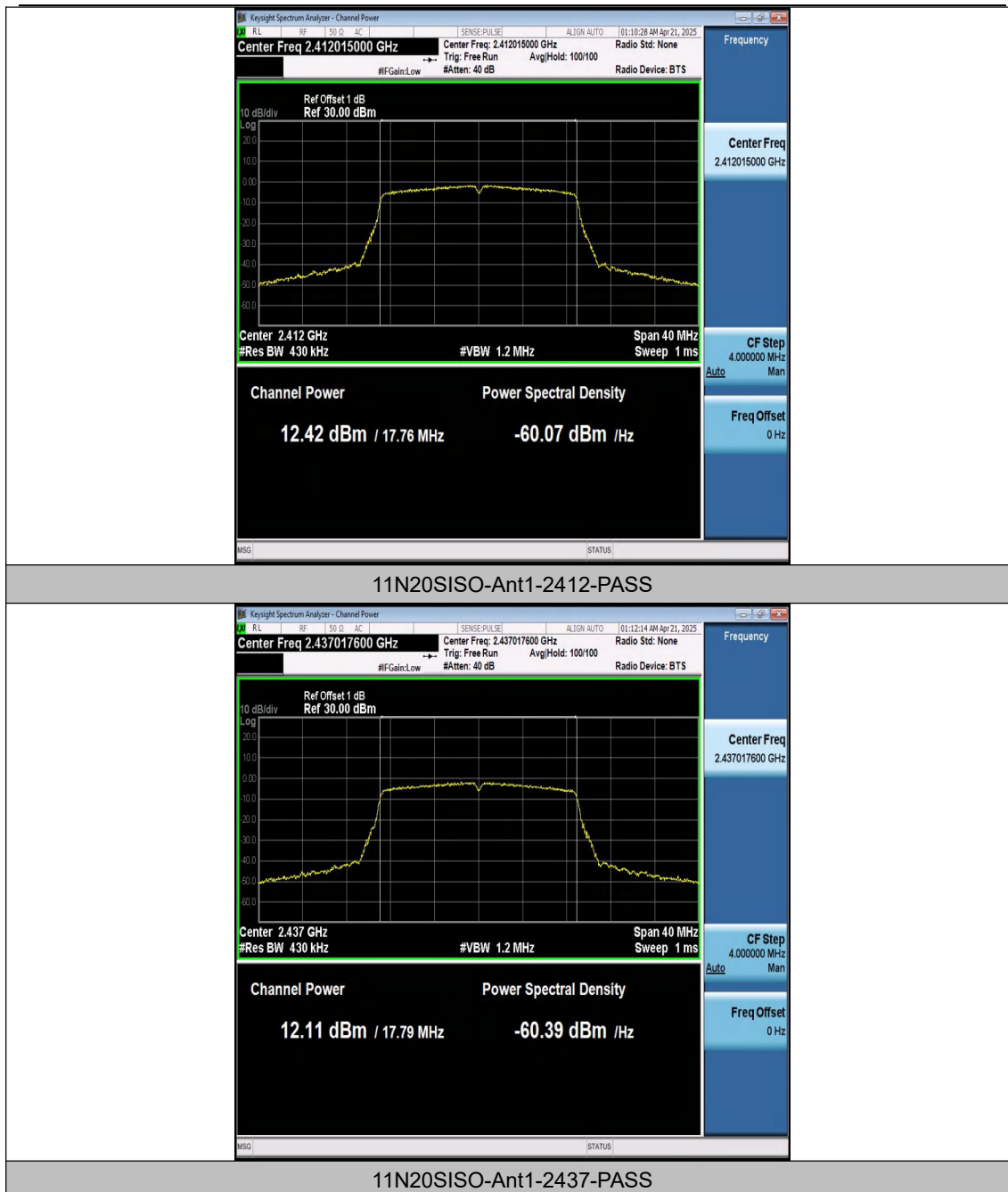
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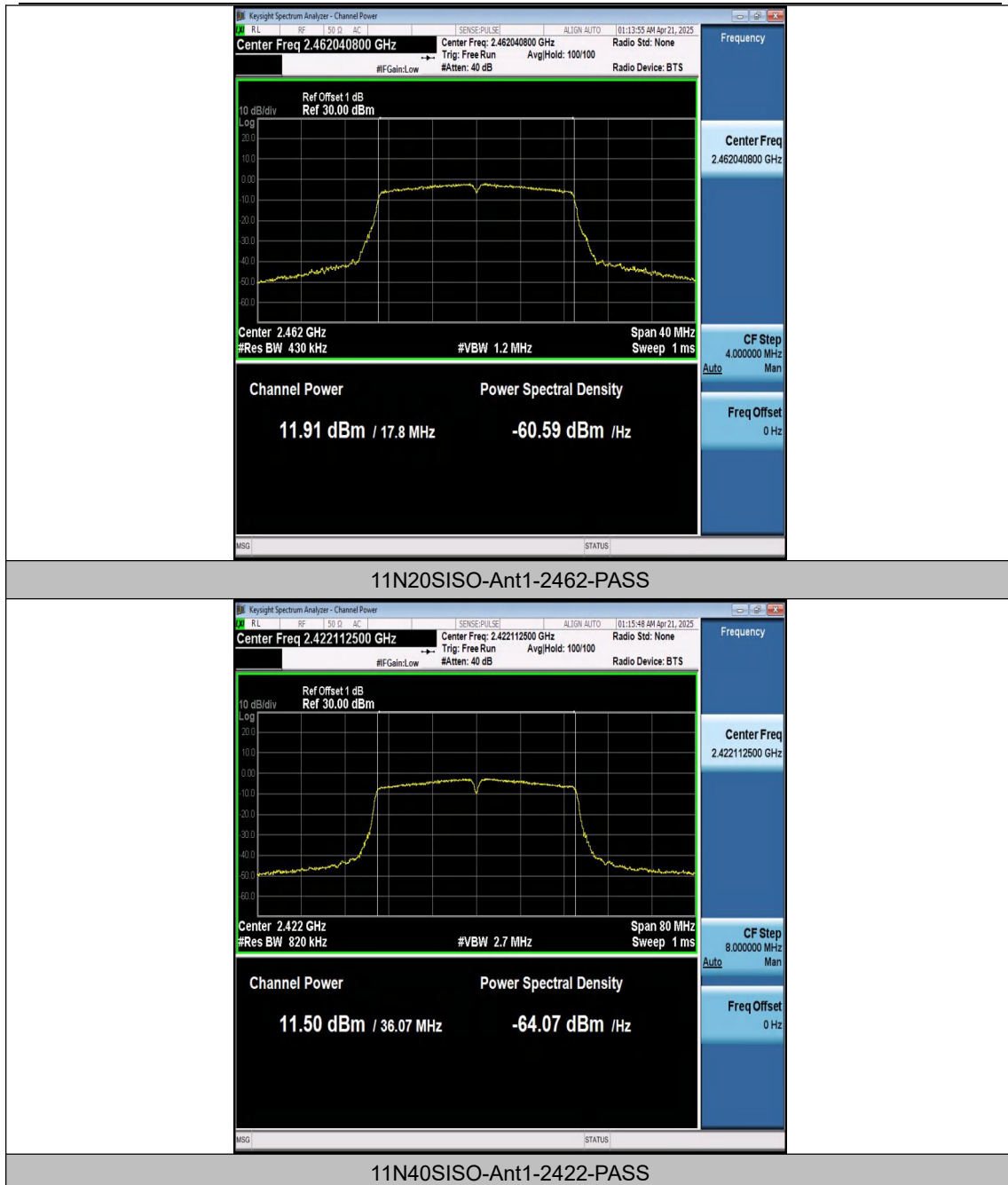
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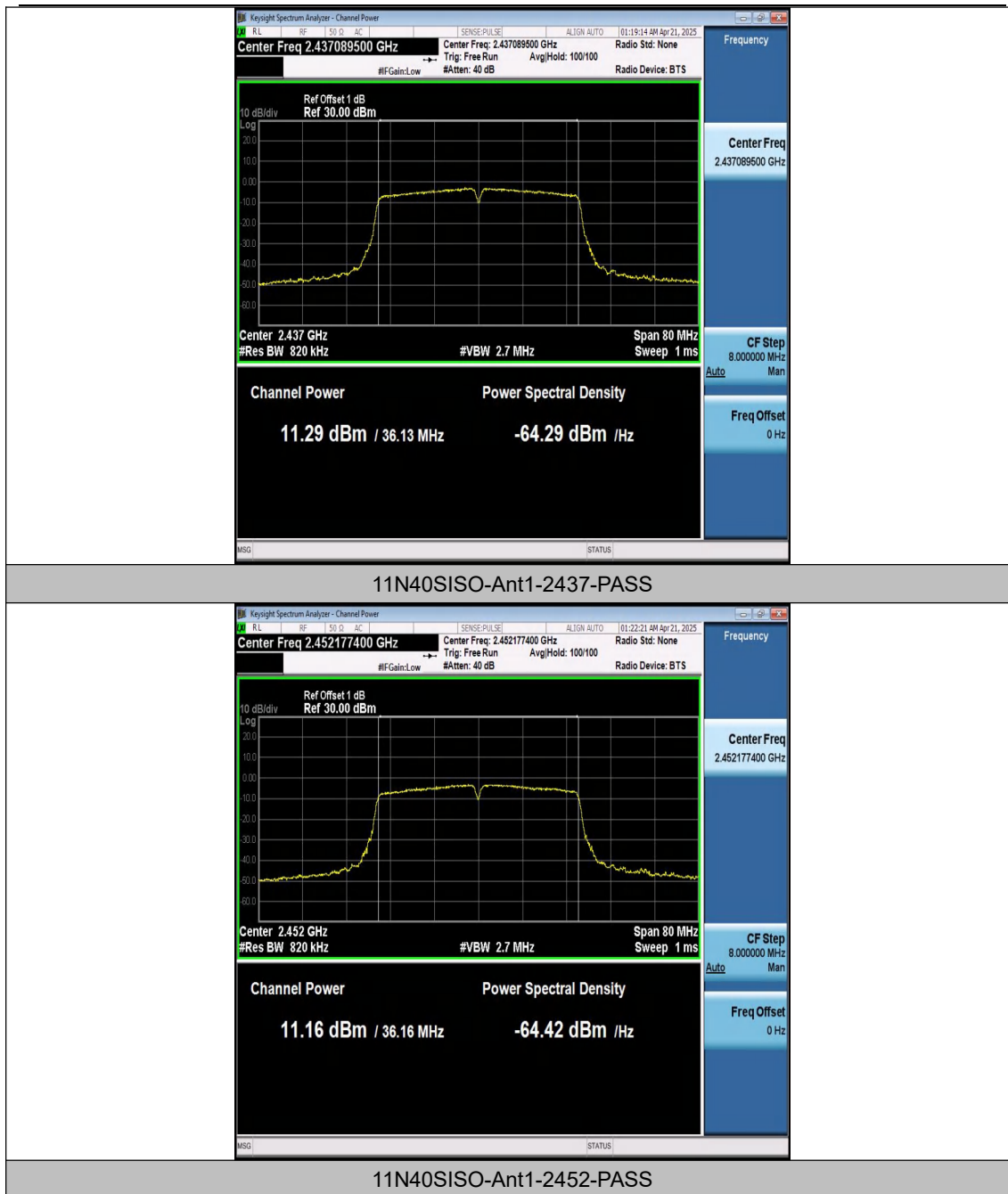
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Appendix D: Maximum power spectral density

Test Result

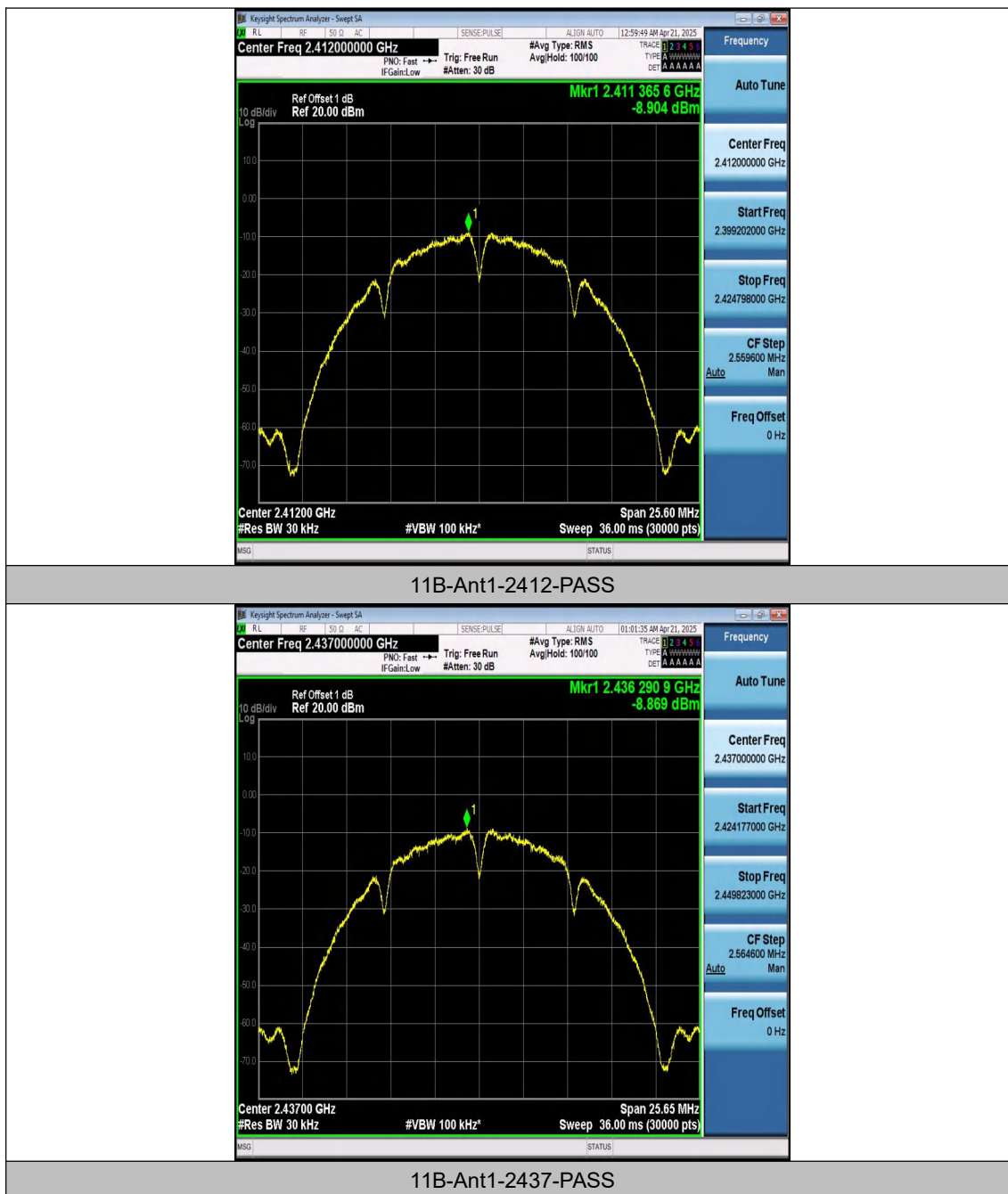
Test Mode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-8.90	-18.9	≤8.00	PASS
11B	Ant1	2437	-8.87	-18.87	≤8.00	PASS
11B	Ant1	2462	-8.60	-18.6	≤8.00	PASS
11G	Ant1	2412	-10.91	-20.91	≤8.00	PASS
11G	Ant1	2437	-11.27	-21.27	≤8.00	PASS
11G	Ant1	2462	-11.71	-21.71	≤8.00	PASS
11N20SISO	Ant1	2412	-11.09	-21.09	≤8.00	PASS
11N20SISO	Ant1	2437	-11.58	-21.58	≤8.00	PASS
11N20SISO	Ant1	2462	-11.92	-21.92	≤8.00	PASS
11N40SISO	Ant1	2422	-14.64	-24.64	≤8.00	PASS
11N40SISO	Ant1	2437	-14.91	-24.91	≤8.00	PASS
11N40SISO	Ant1	2452	-15.72	-25.72	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



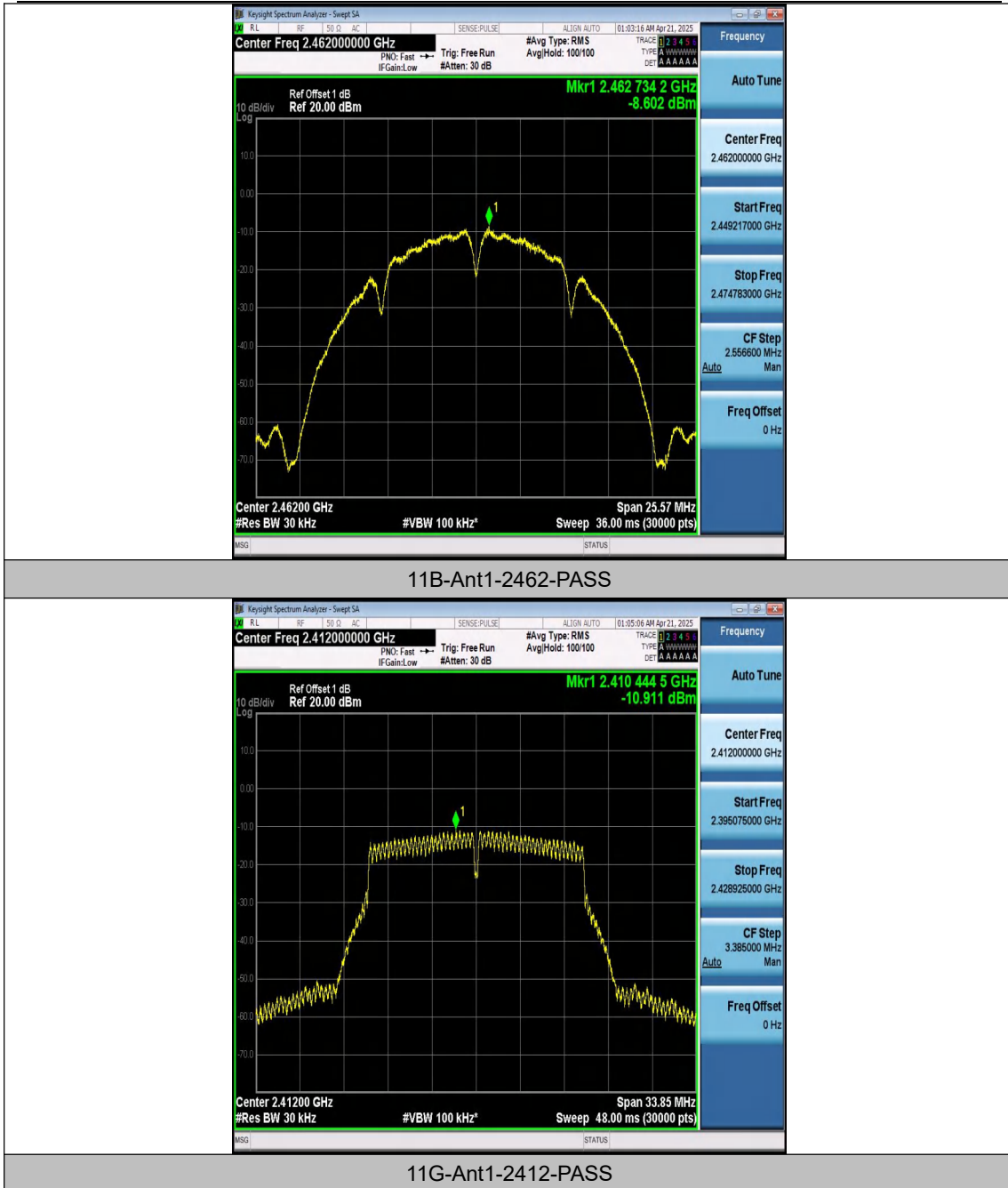
Test Graphs



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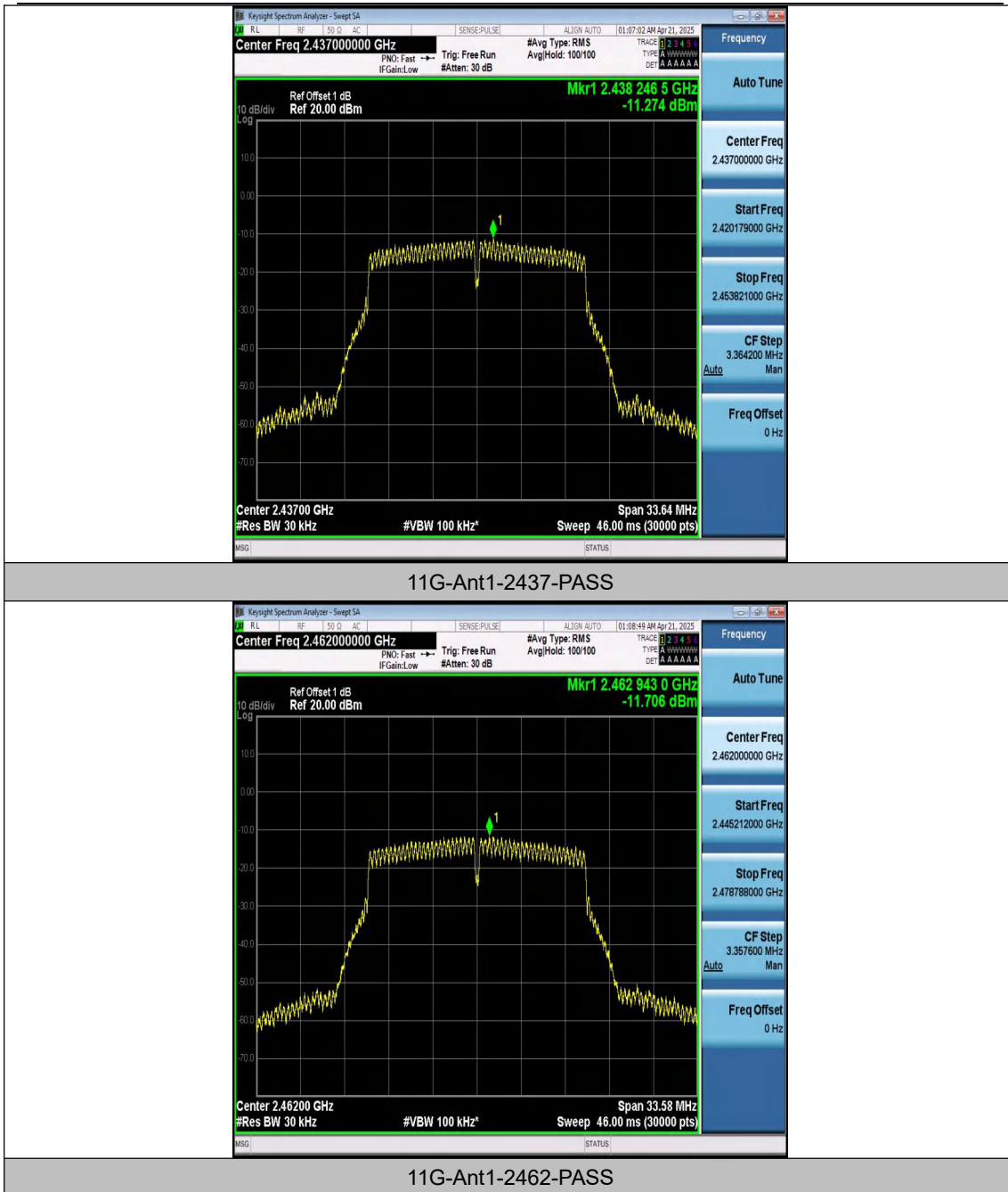


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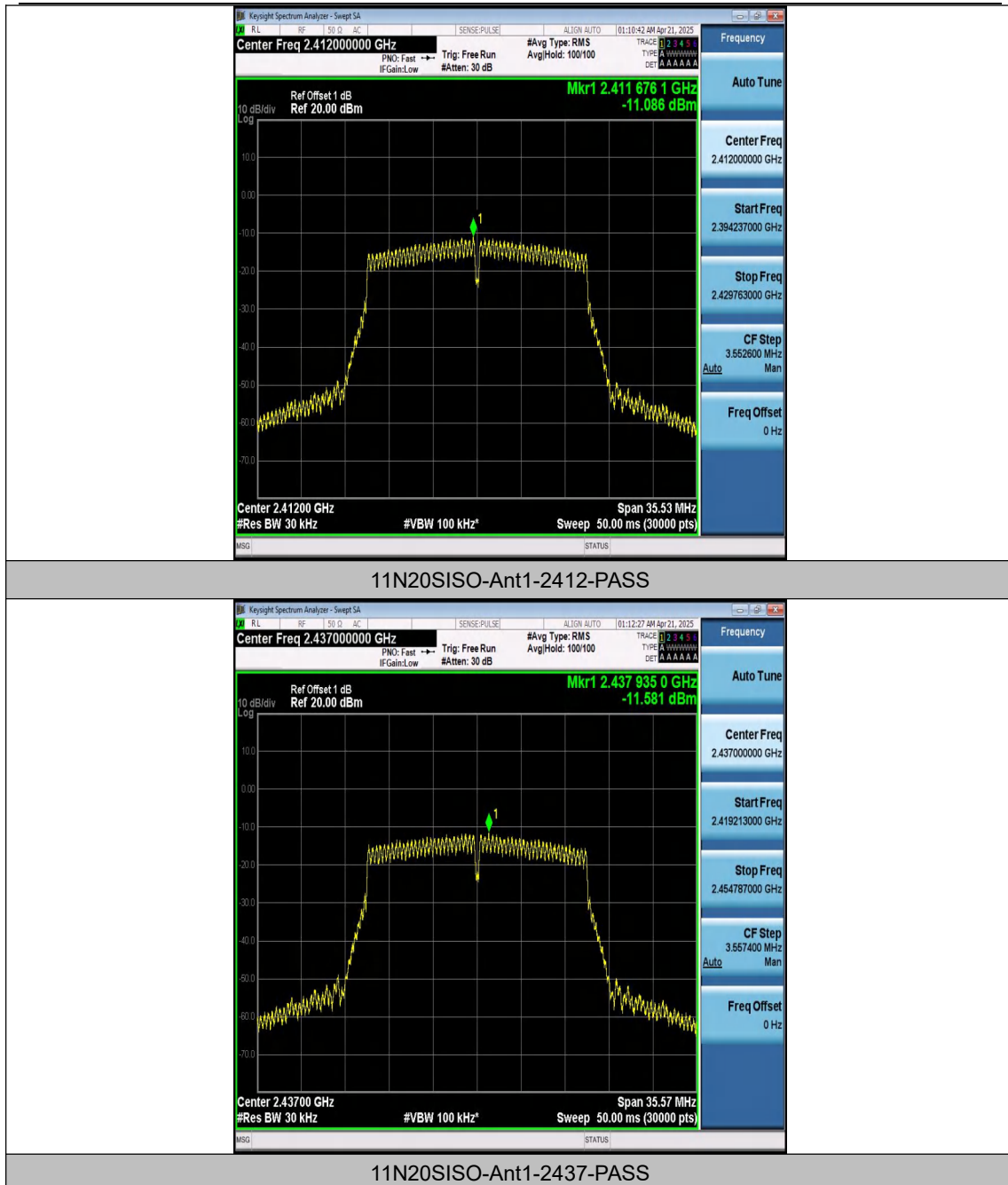
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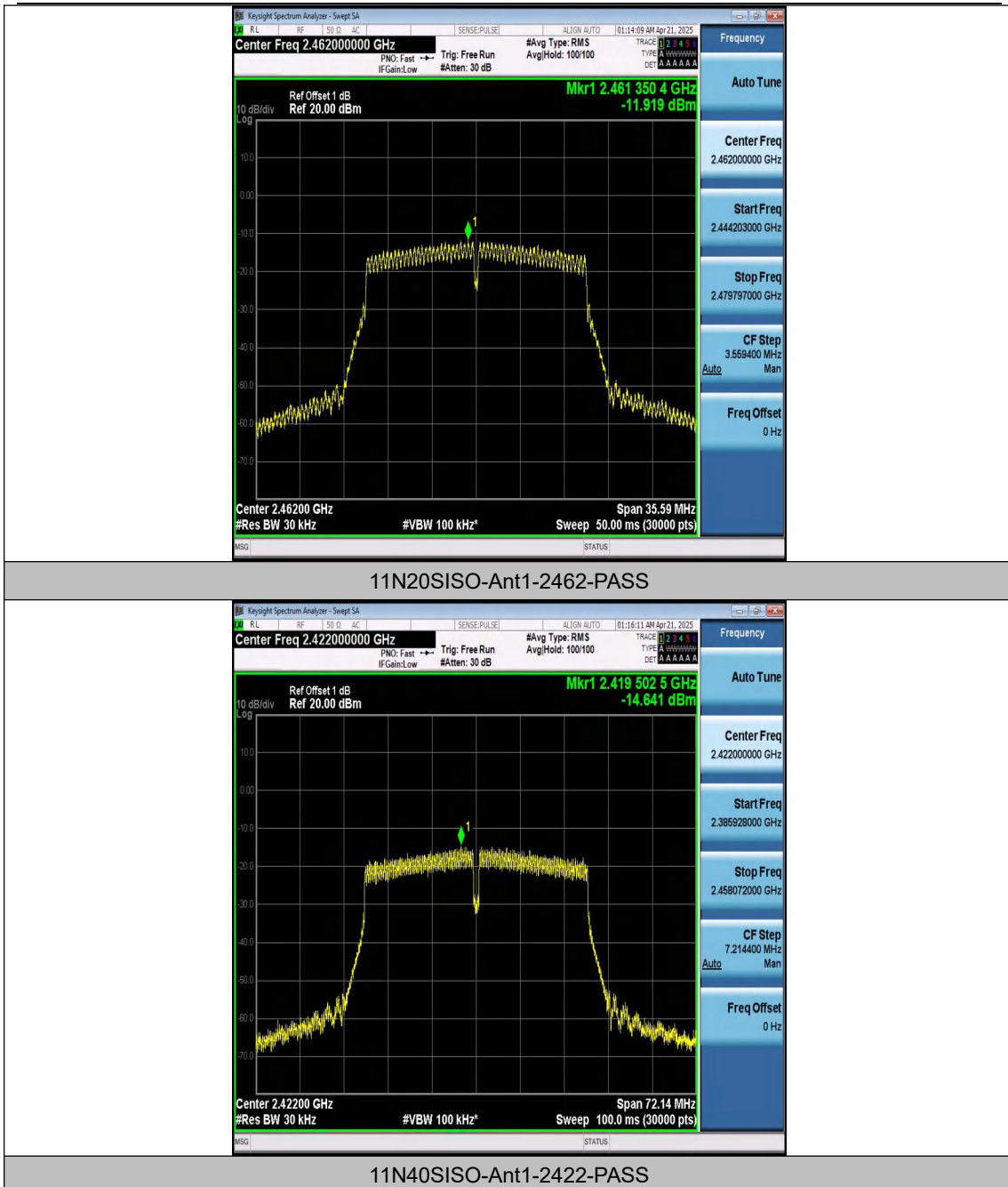
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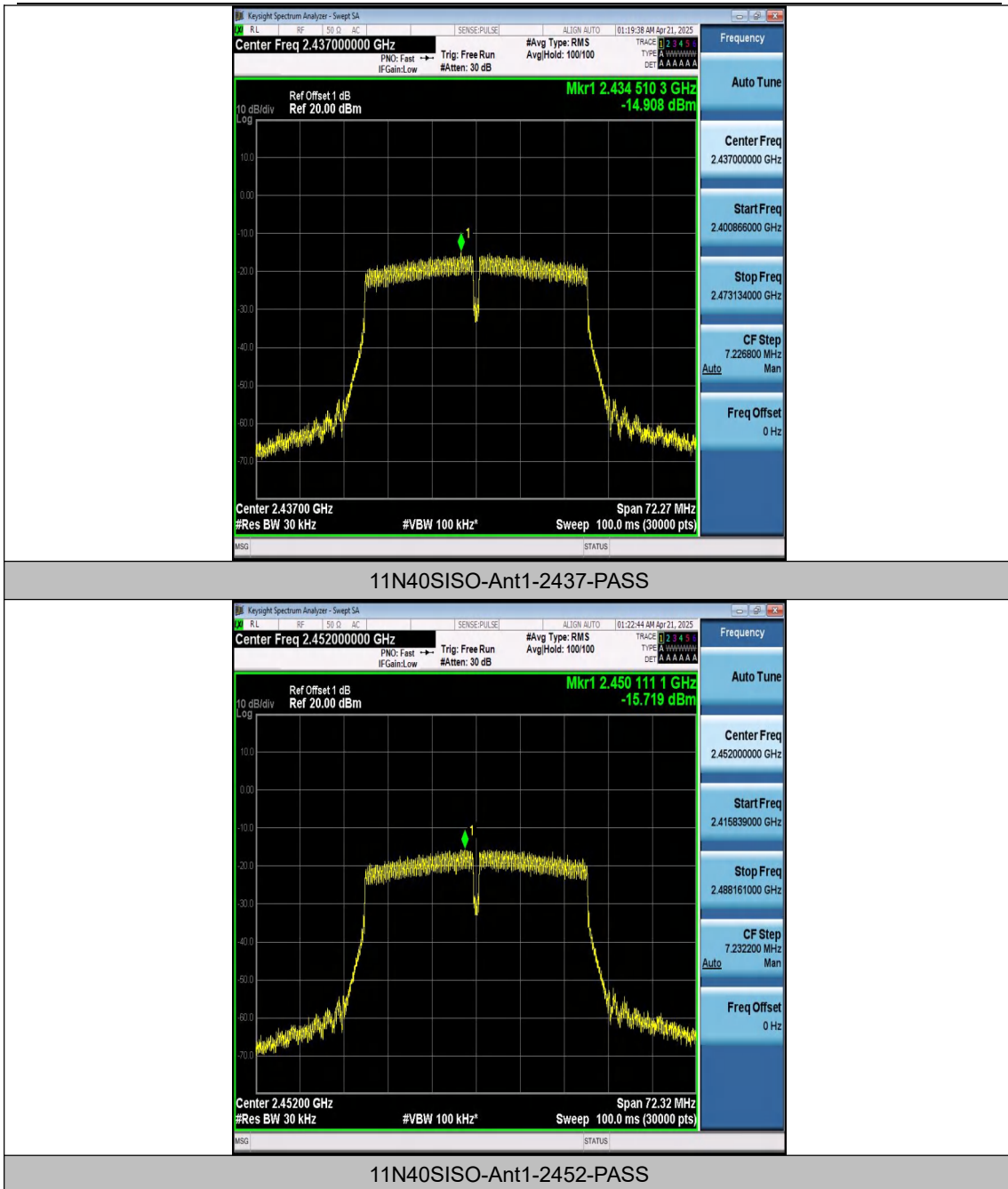
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.28	-47.88	≤-25.72	PASS
11B	Ant1	High	2462	4.00	-55.5	≤-26	PASS
11G	Ant1	Low	2412	2.11	-36.75	≤-27.89	PASS
11G	Ant1	High	2462	2.04	-50.02	≤-27.96	PASS
11N20SISO	Ant1	Low	2412	0.36	-36.87	≤-29.64	PASS
11N20SISO	Ant1	High	2462	2.04	-47.22	≤-27.96	PASS
11N40SISO	Ant1	Low	2422	-1.29	-41.34	≤-31.29	PASS
11N40SISO	Ant1	High	2452	-1.73	-41.25	≤-31.73	PASS



Test Graphs

