

Appendix Test Data

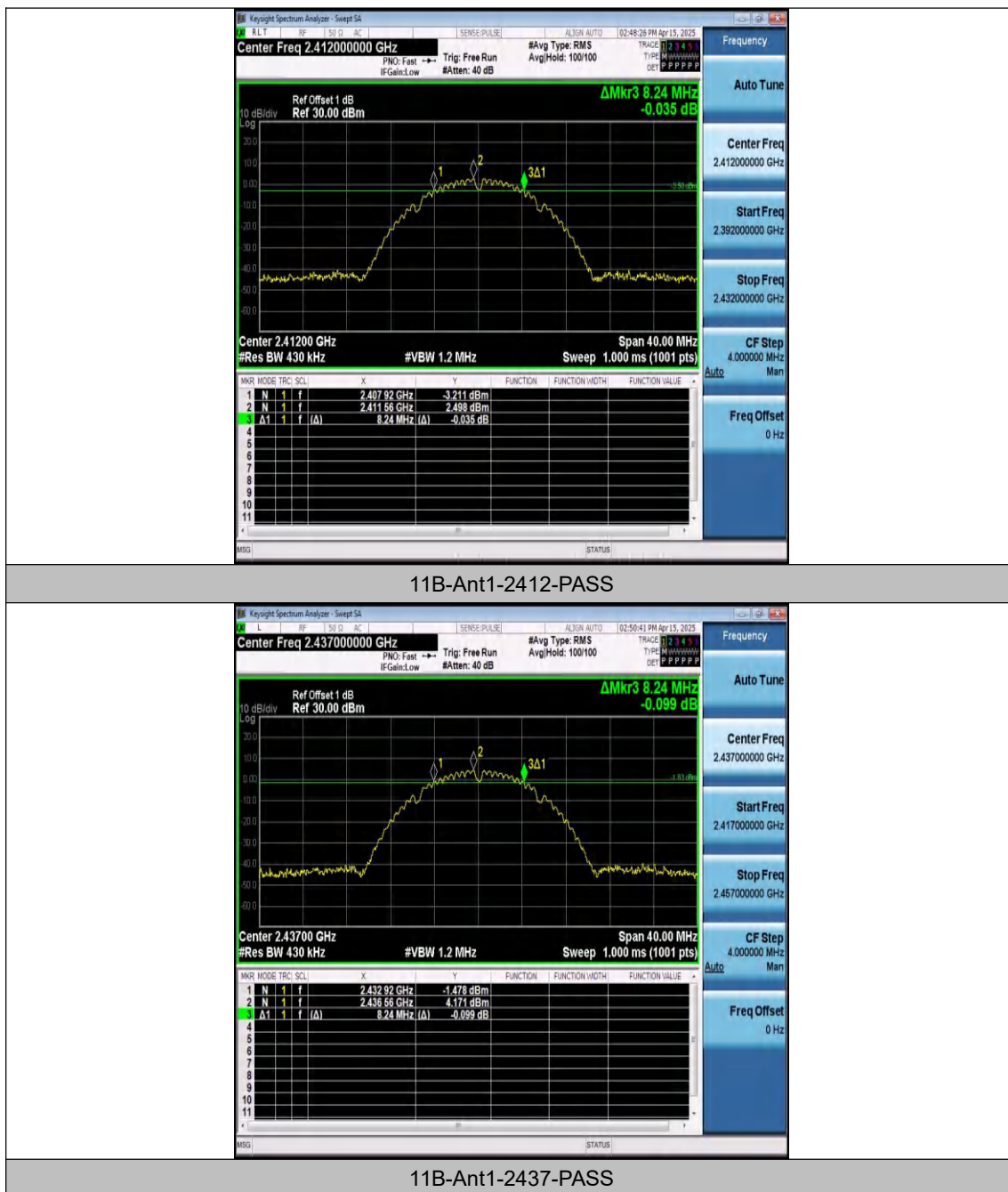
Report No.:	1813C50134812501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.15	Finish Test Date:	2025.04.23
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

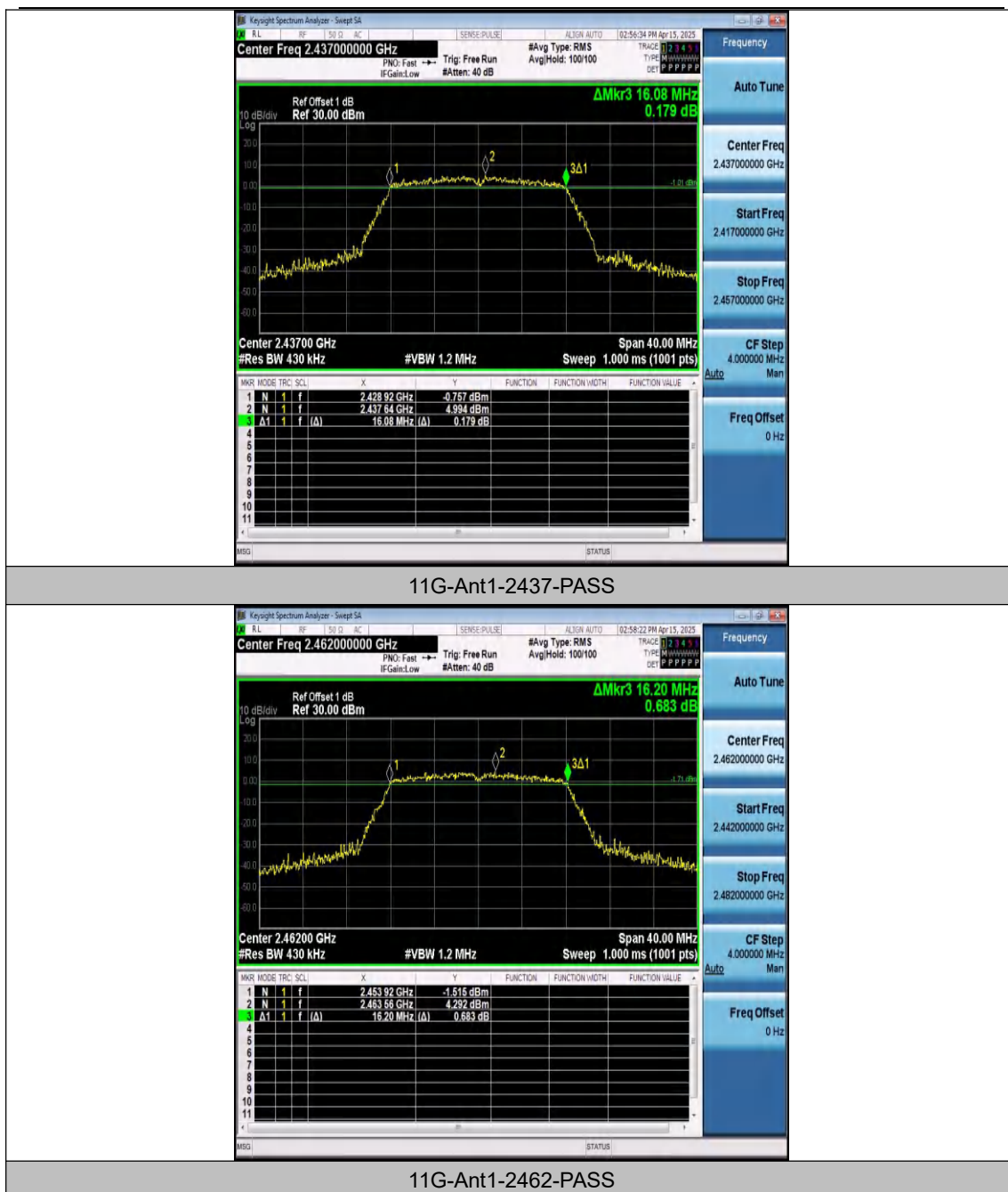
Test Result

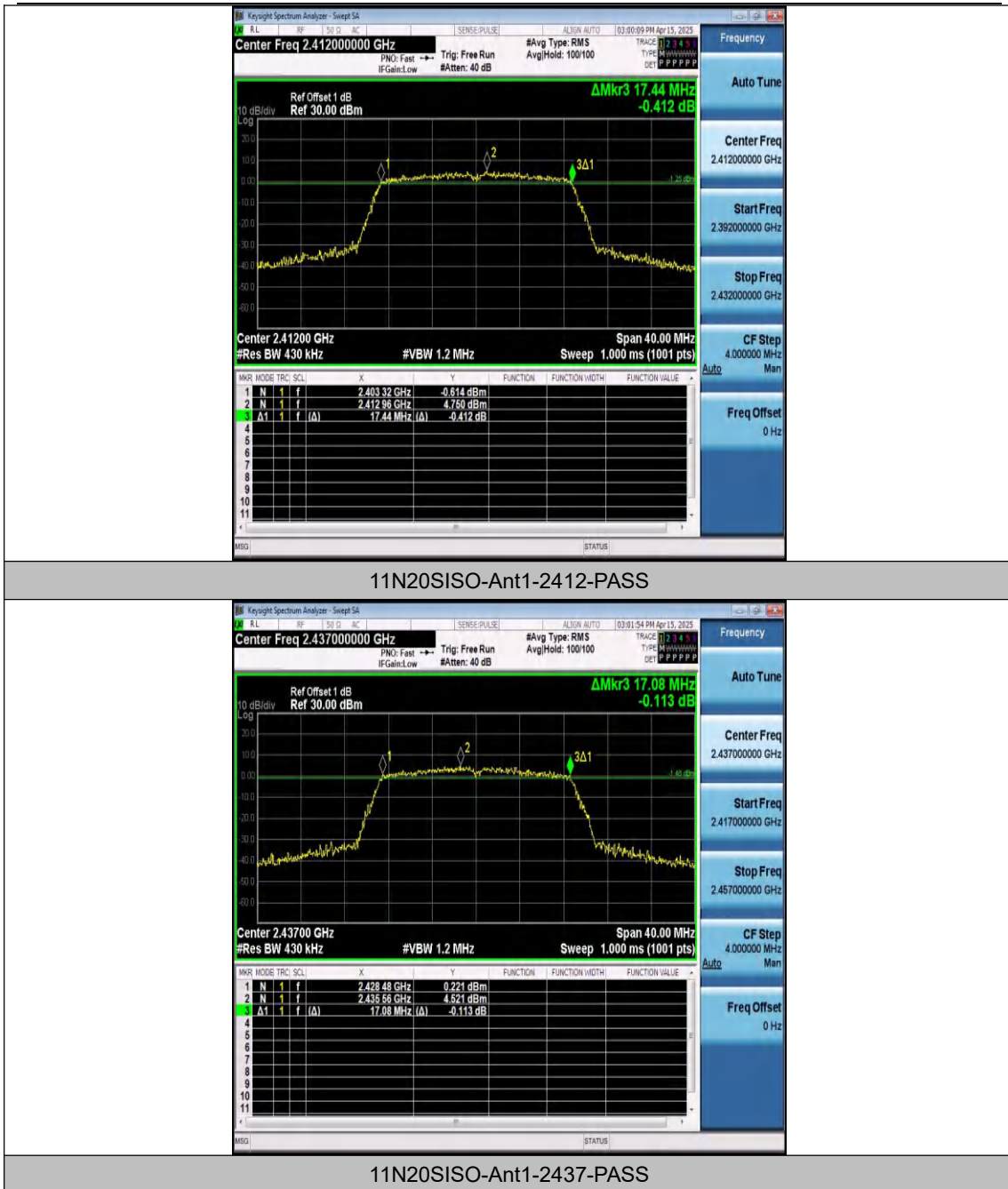
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.920	2416.160	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	16.240	2403.800	2420.040	0.5	PASS
11G	Ant1	2437	16.080	2428.920	2445.000	0.5	PASS
11G	Ant1	2462	16.200	2453.920	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.440	2403.320	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.080	2428.480	2445.560	0.5	PASS
11N20SISO	Ant1	2462	17.320	2453.320	2470.640	0.5	PASS

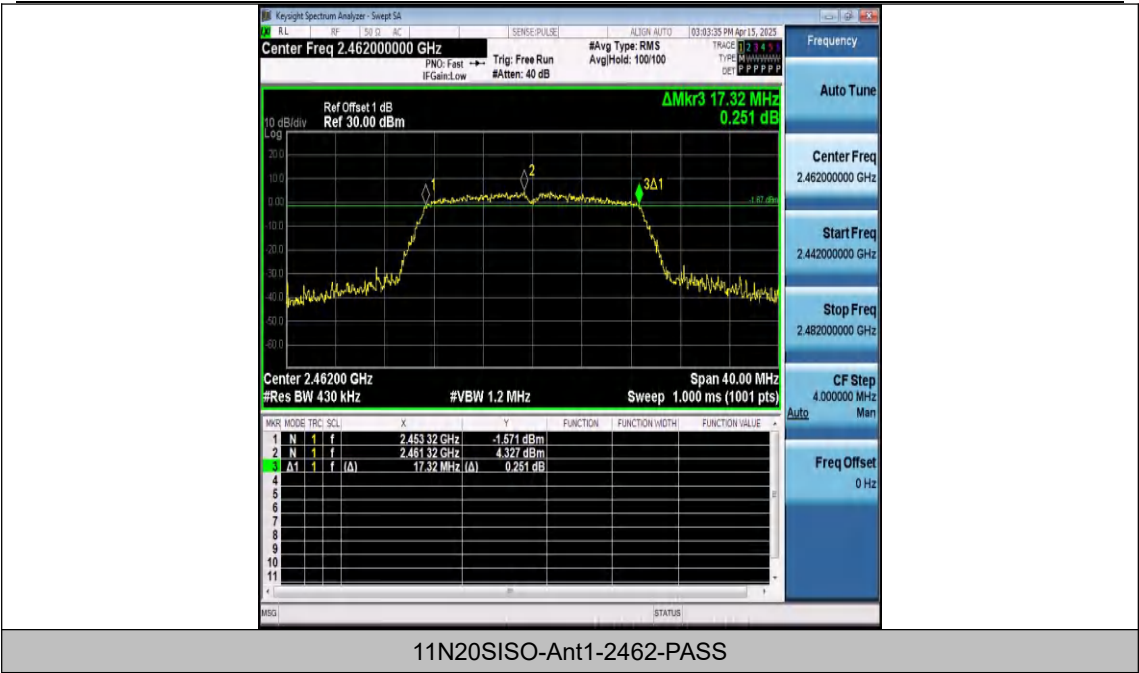
Test Graphs











11N20SISO-Ant1-2462-PASS

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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	12.807	2405.6402	2418.4472	---	---
11B	Ant1	2437	12.821	2430.6256	2443.4466	---	---
11B	Ant1	2462	12.790	2455.6657	2468.4557	---	---
11G	Ant1	2412	16.877	2403.5919	2420.4689	---	---
11G	Ant1	2437	16.764	2428.6395	2445.4035	---	---
11G	Ant1	2462	16.818	2453.5852	2470.4032	---	---
11N20SISO	Ant1	2412	17.872	2403.0844	2420.9564	---	---
11N20SISO	Ant1	2437	17.796	2428.1364	2445.9324	---	---
11N20SISO	Ant1	2462	17.807	2453.1290	2470.9360	---	---



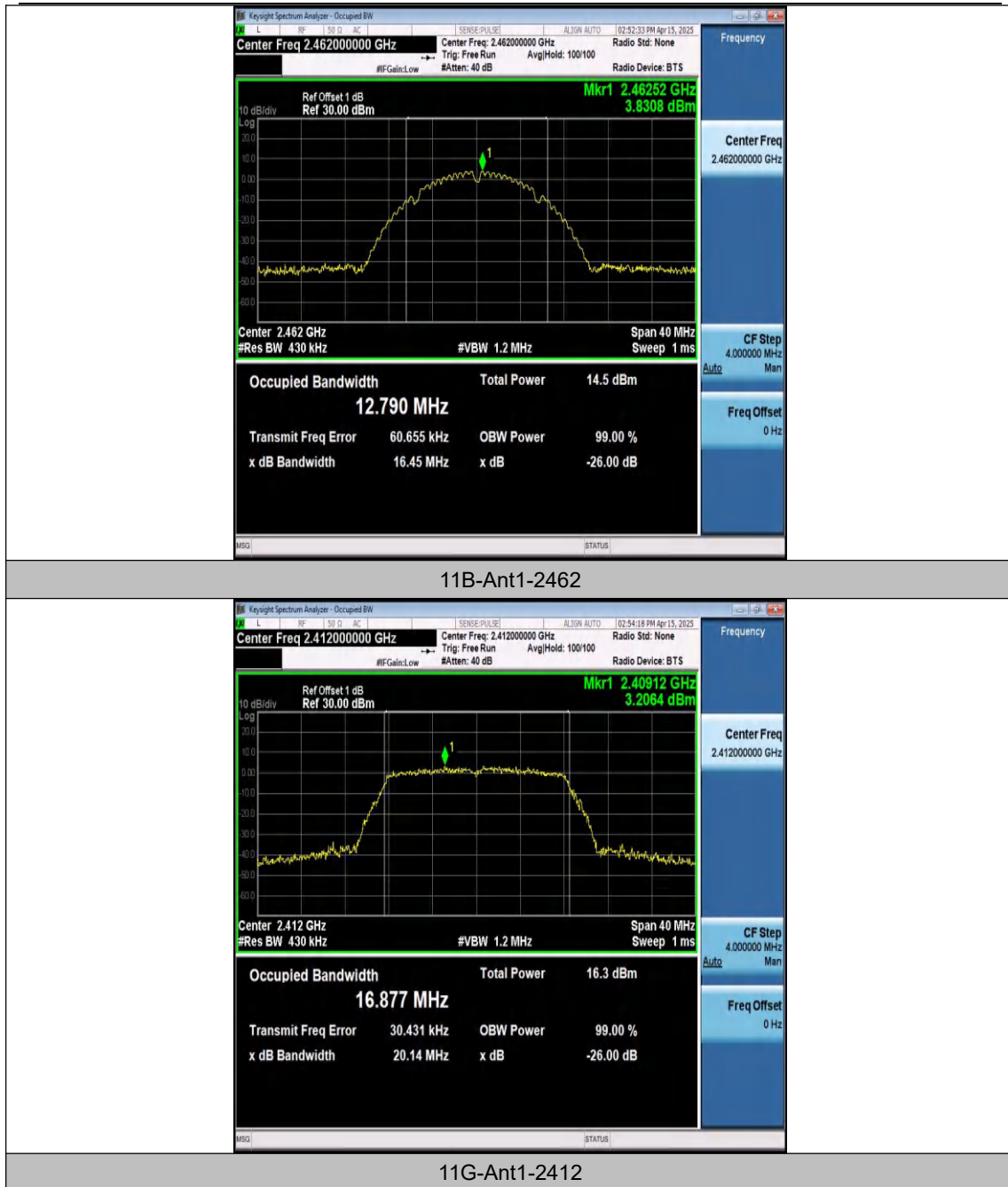
Test Graphs

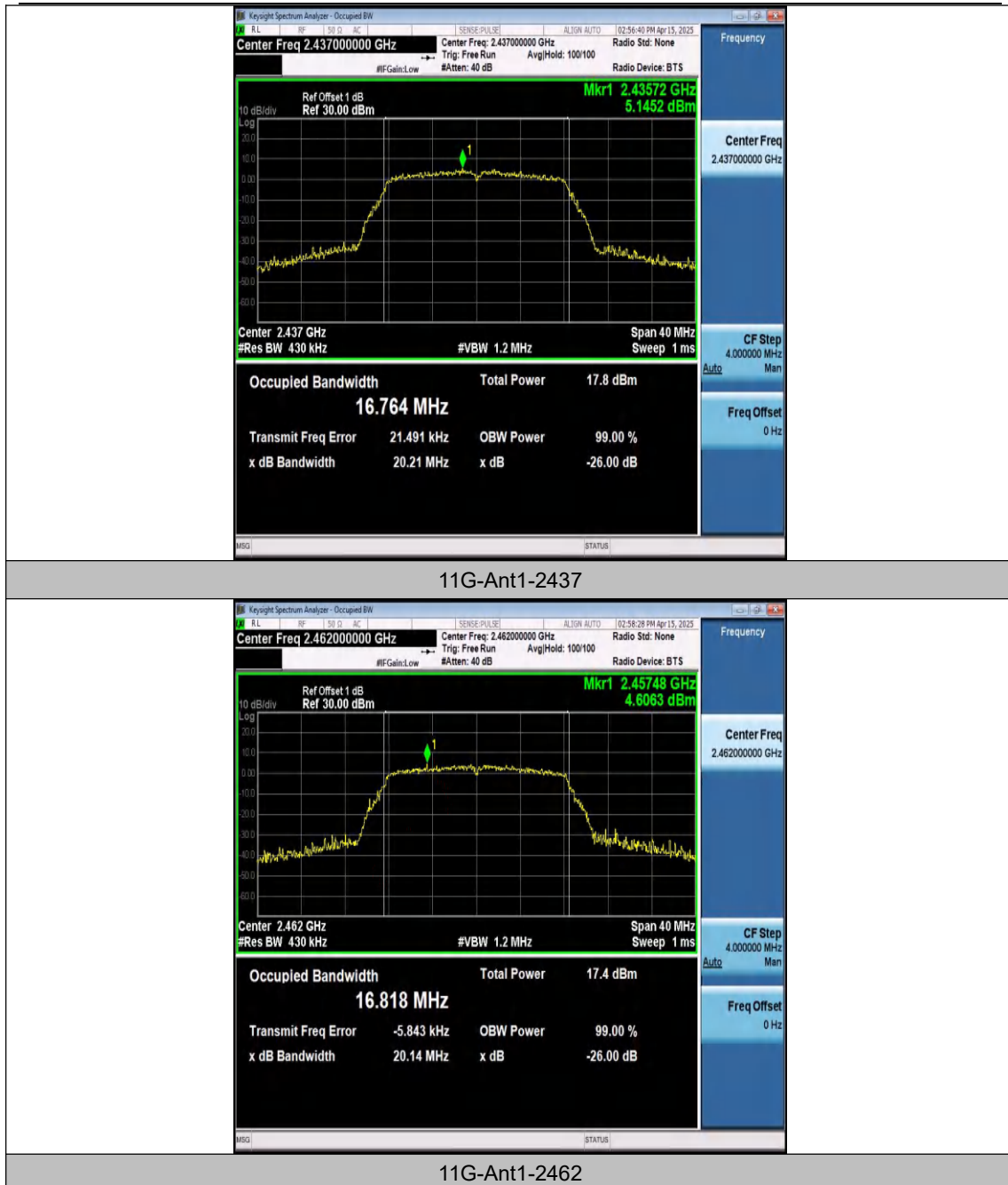


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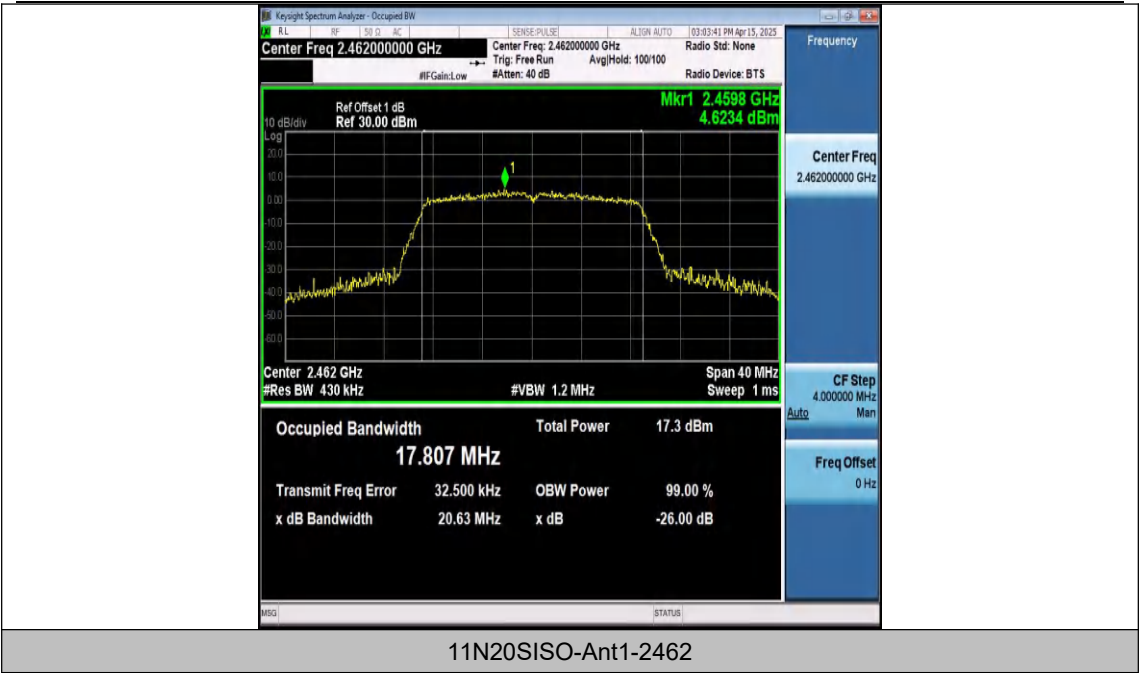
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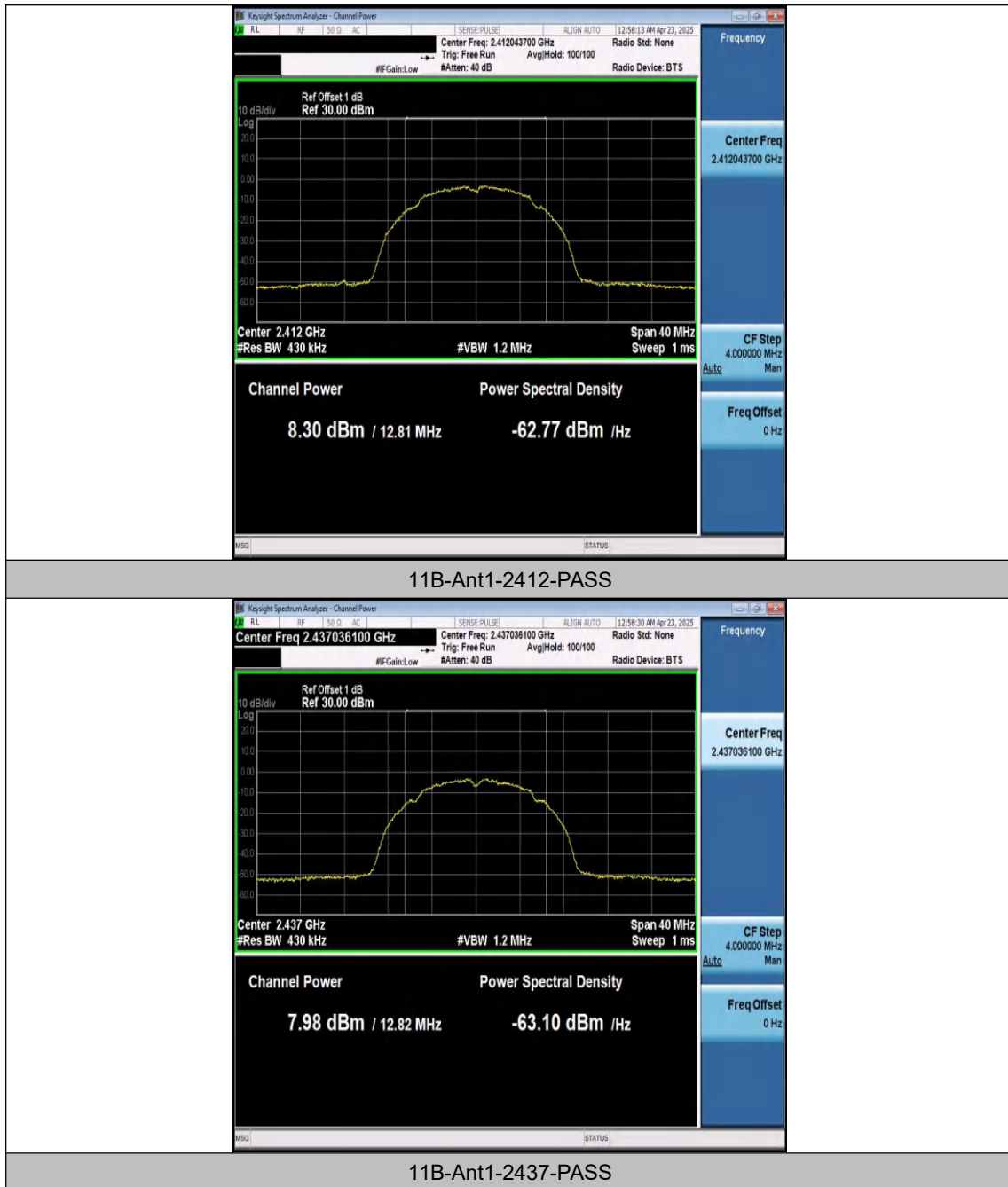
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.30	100.00	0.00	8.30	≤30.0 0	PASS
11B	Ant1	2437	7.98	100.00	0.00	7.98	≤30.0 0	PASS
11B	Ant1	2462	7.82	100.00	0.00	7.82	≤30.0 0	PASS
11G	Ant1	2412	7.36	100.00	0.00	7.36	≤30.0 0	PASS
11G	Ant1	2437	7.08	100.00	0.00	7.08	≤30.0 0	PASS
11G	Ant1	2462	6.96	100.00	0.00	6.96	≤30.0 0	PASS
11N20SI SO	Ant1	2412	7.75	100.00	0.00	7.75	≤30.0 0	PASS
11N20SI SO	Ant1	2437	7.64	100.00	0.00	7.64	≤30.0 0	PASS
11N20SI SO	Ant1	2462	7.43	100.00	0.00	7.43	≤30.0 0	PASS

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

Test Graphs Average

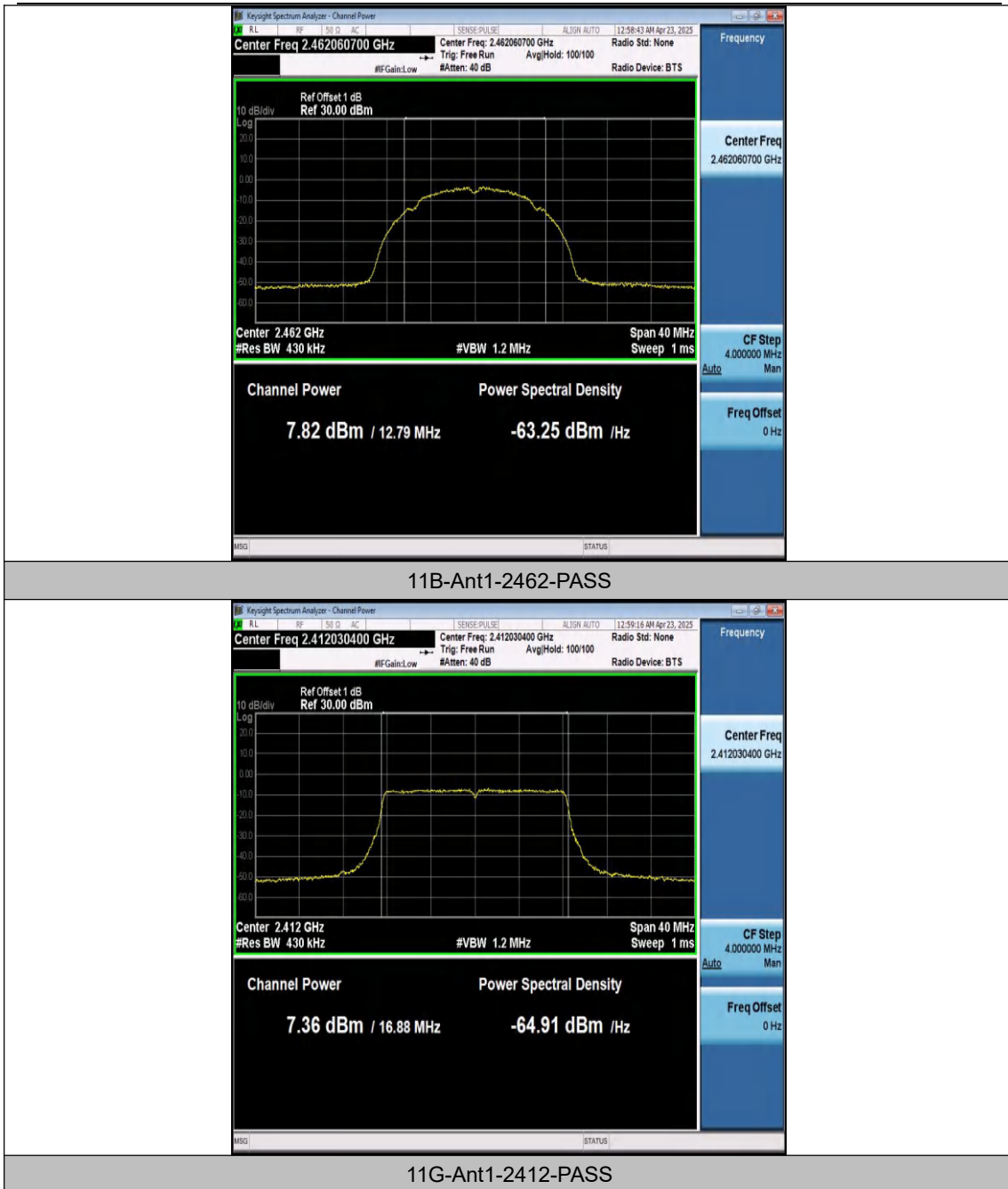


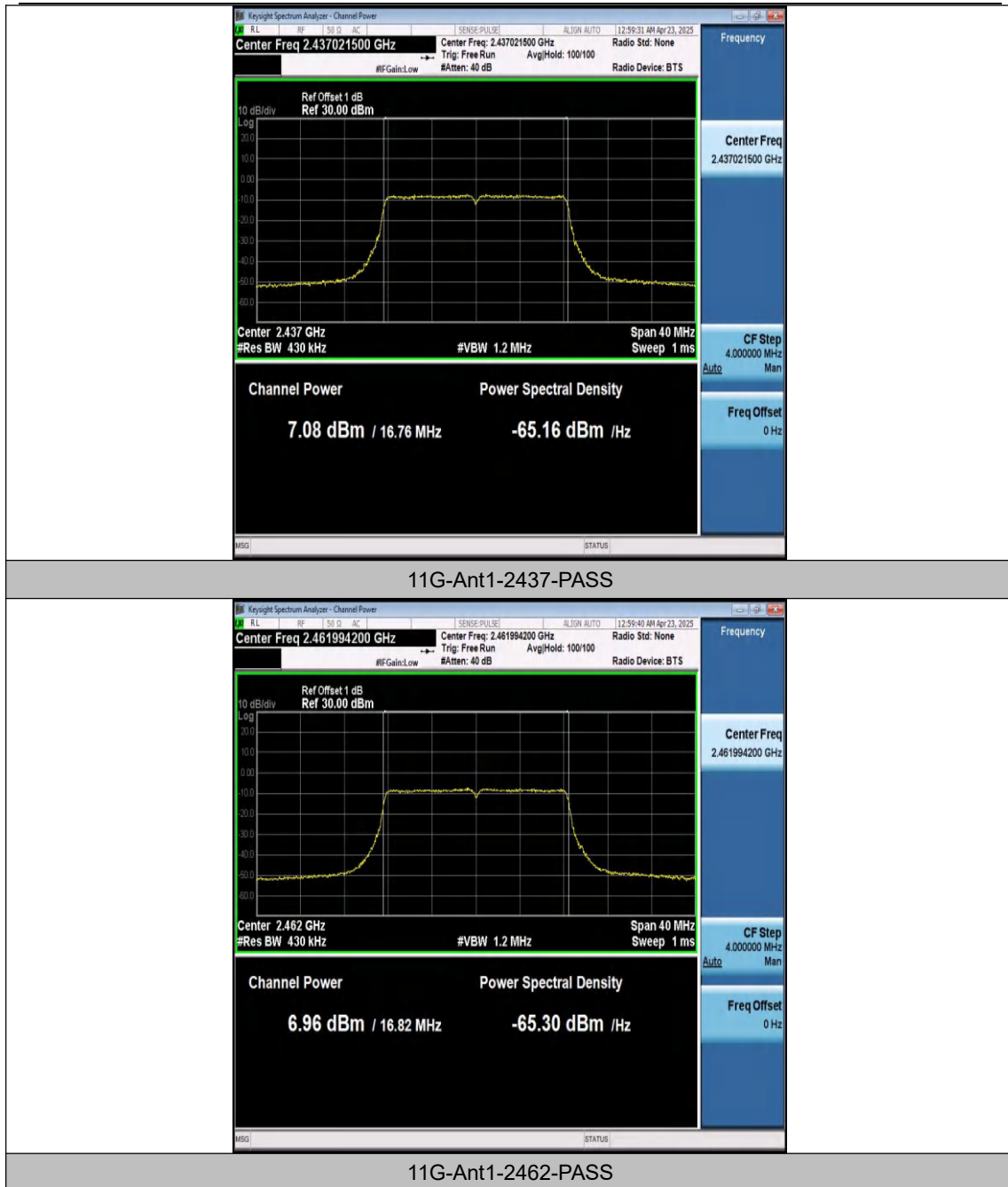
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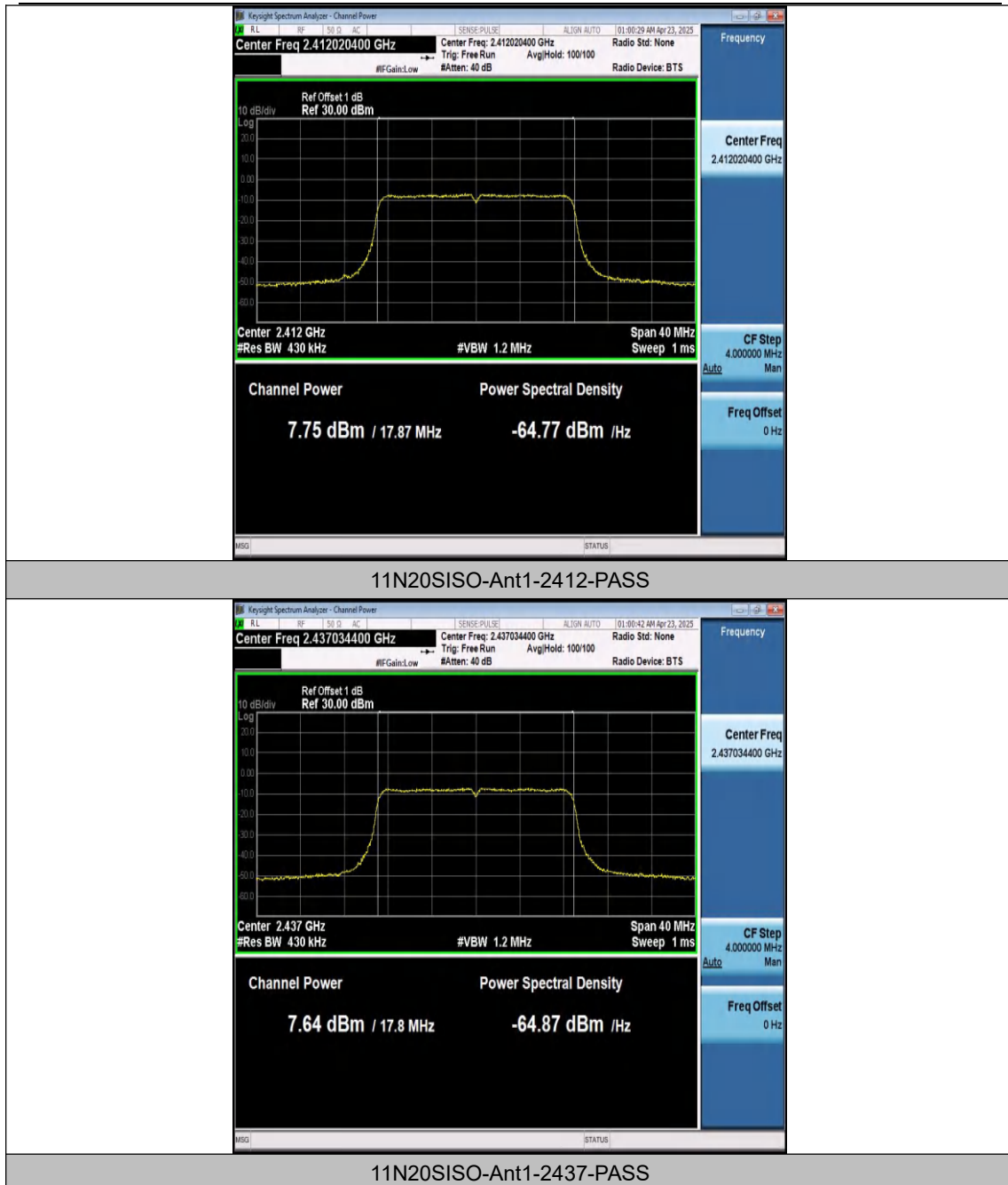
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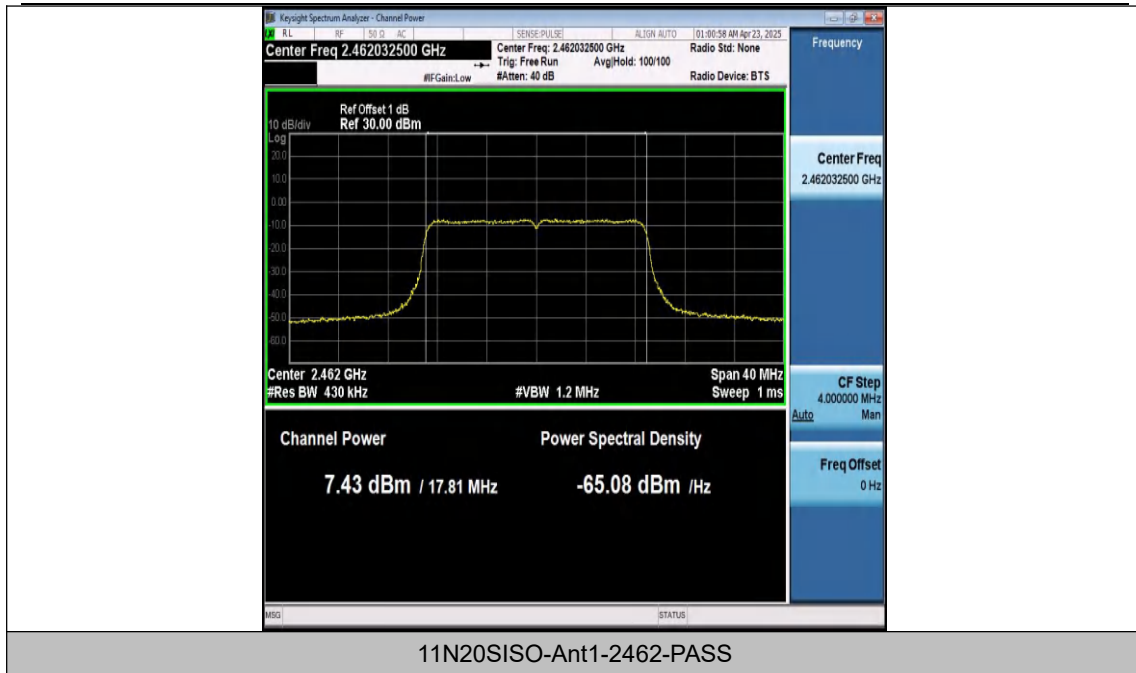


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Appendix D: Maximum power spectral density

Test Result

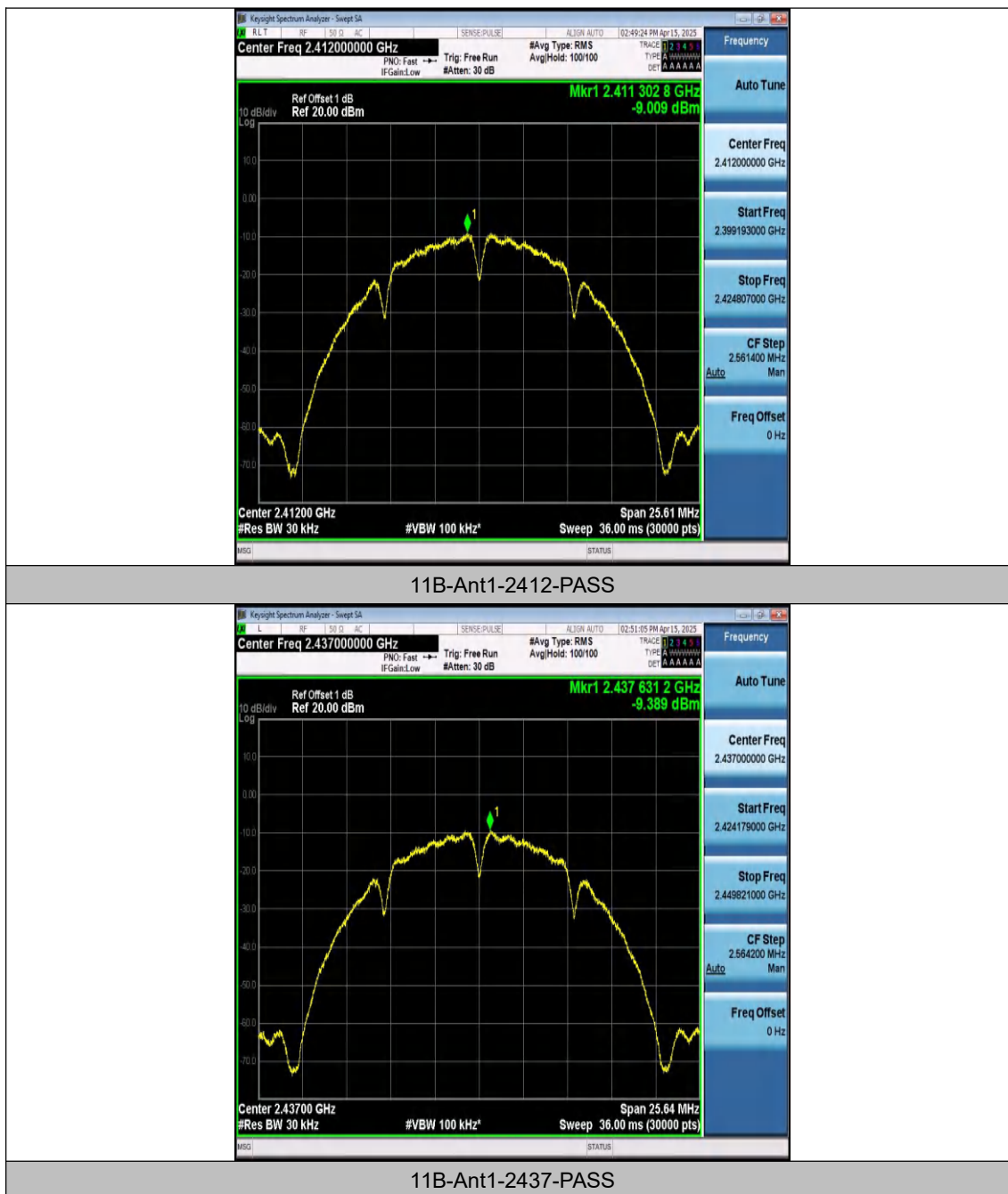
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.01	-19.01	≤8.00	PASS
11B	Ant1	2437	-9.39	-19.39	≤8.00	PASS
11B	Ant1	2462	-9.52	-19.52	≤8.00	PASS
11G	Ant1	2412	-13.32	-23.32	≤8.00	PASS
11G	Ant1	2437	-11.84	-21.84	≤8.00	PASS
11G	Ant1	2462	-12.24	-22.24	≤8.00	PASS
11N20SIS O	Ant1	2412	-12.07	-22.07	≤8.00	PASS
11N20SIS O	Ant1	2437	-11.91	-21.91	≤8.00	PASS
11N20SIS O	Ant1	2462	-12.71	-22.71	≤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

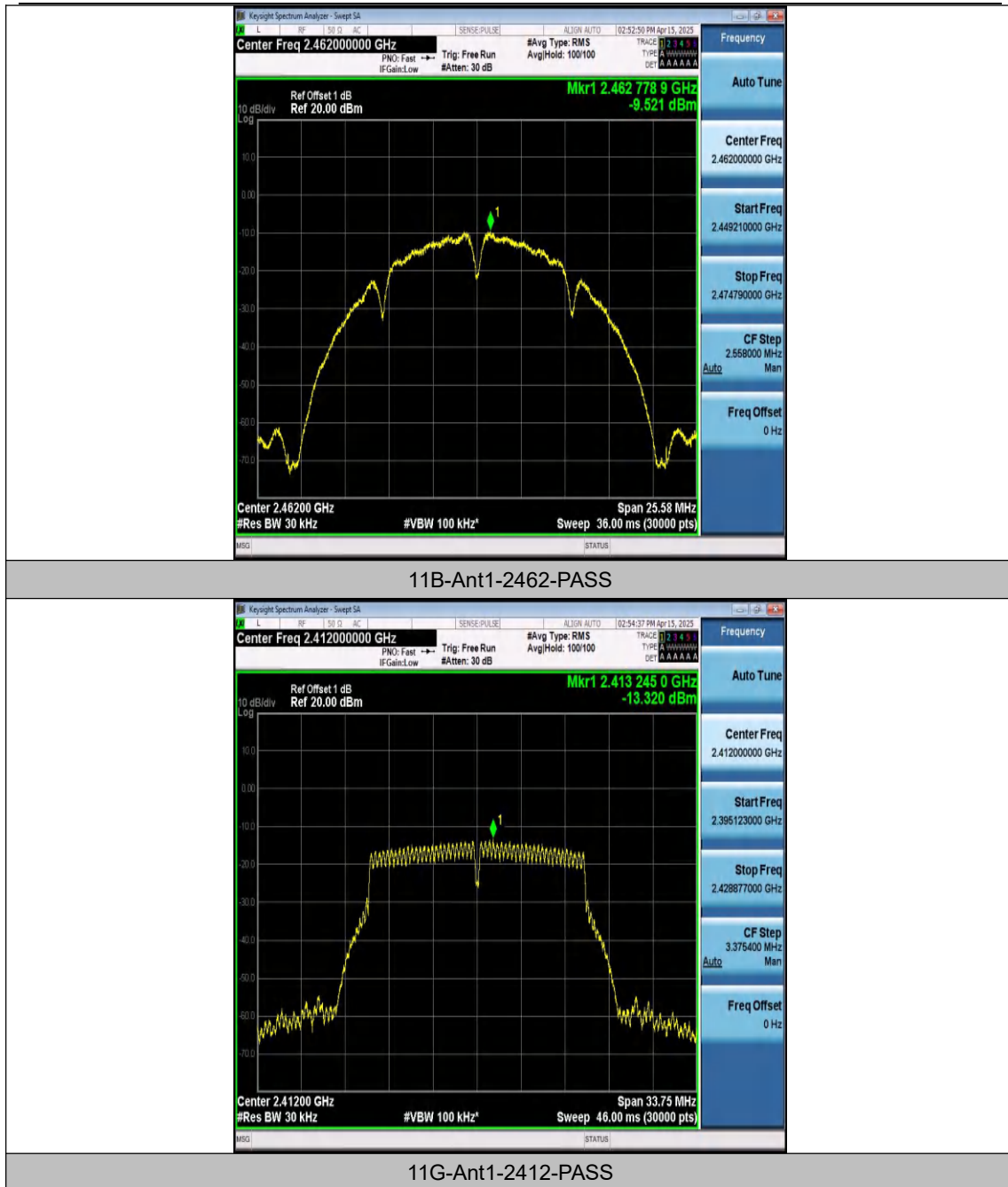


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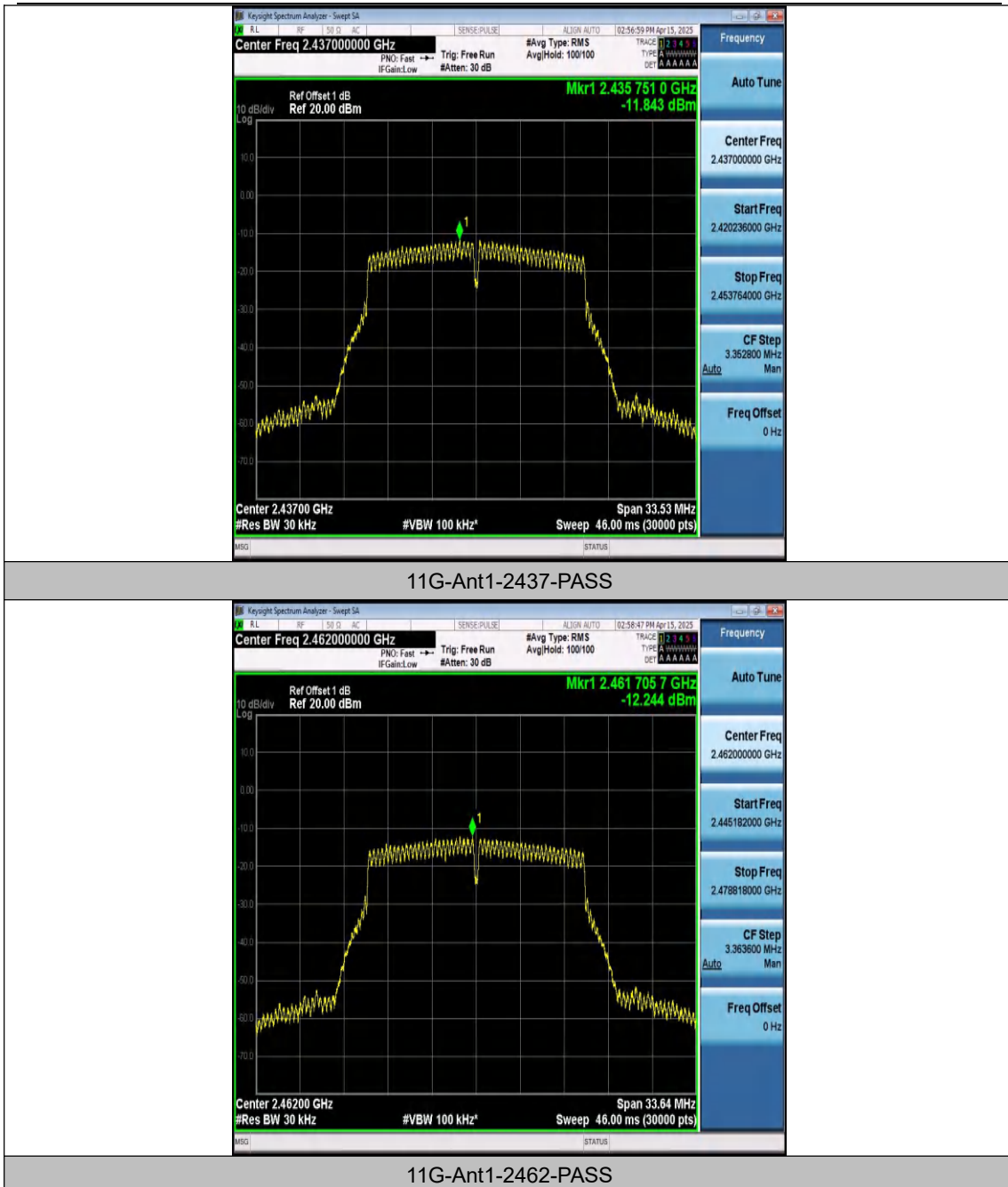
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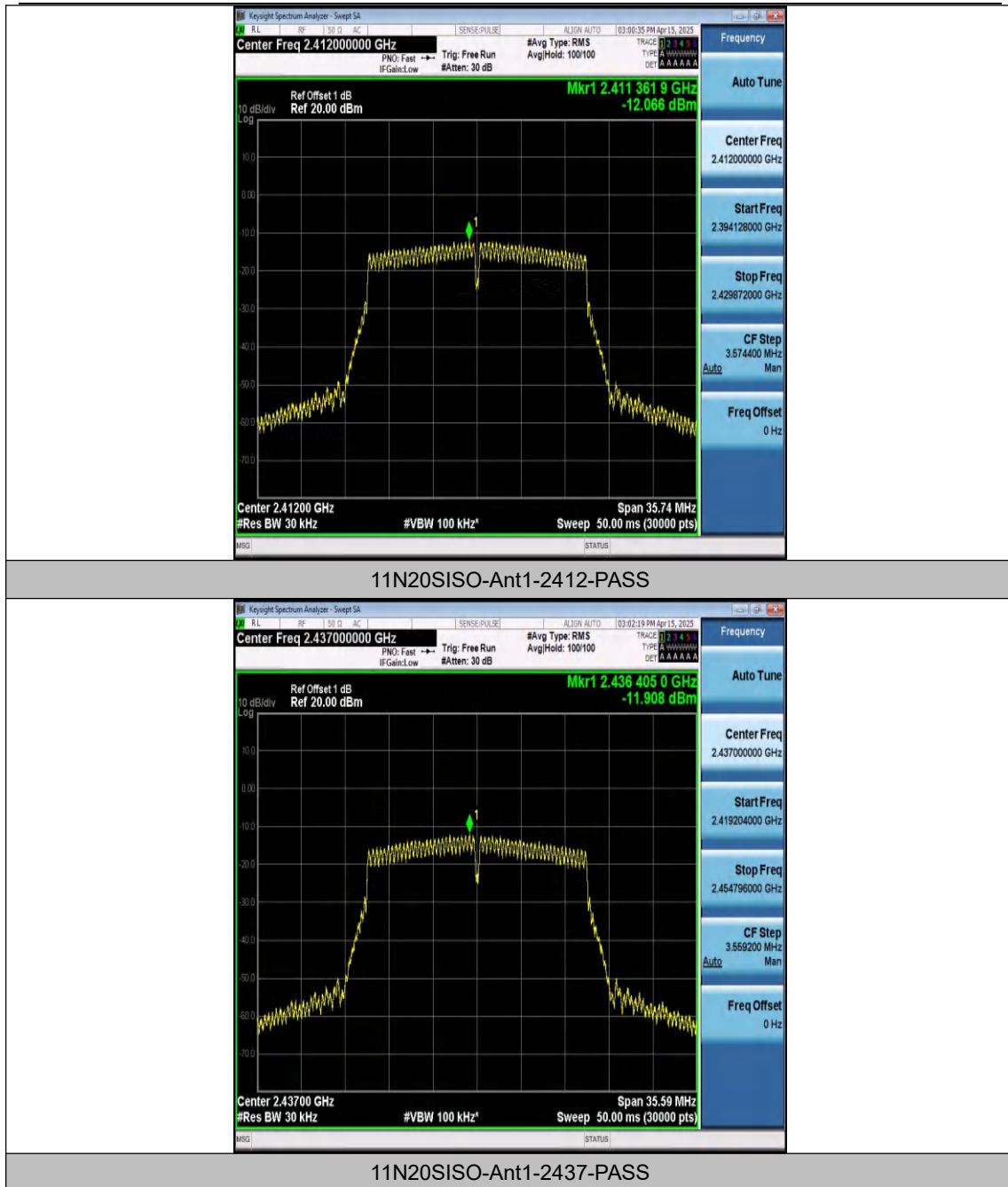


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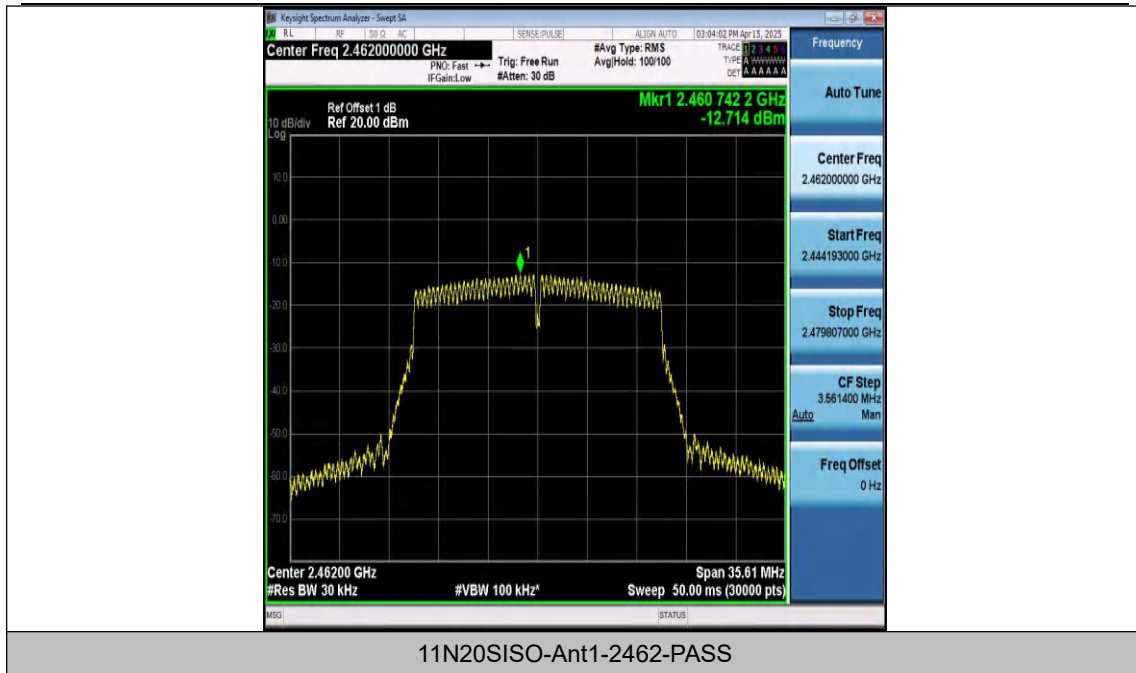


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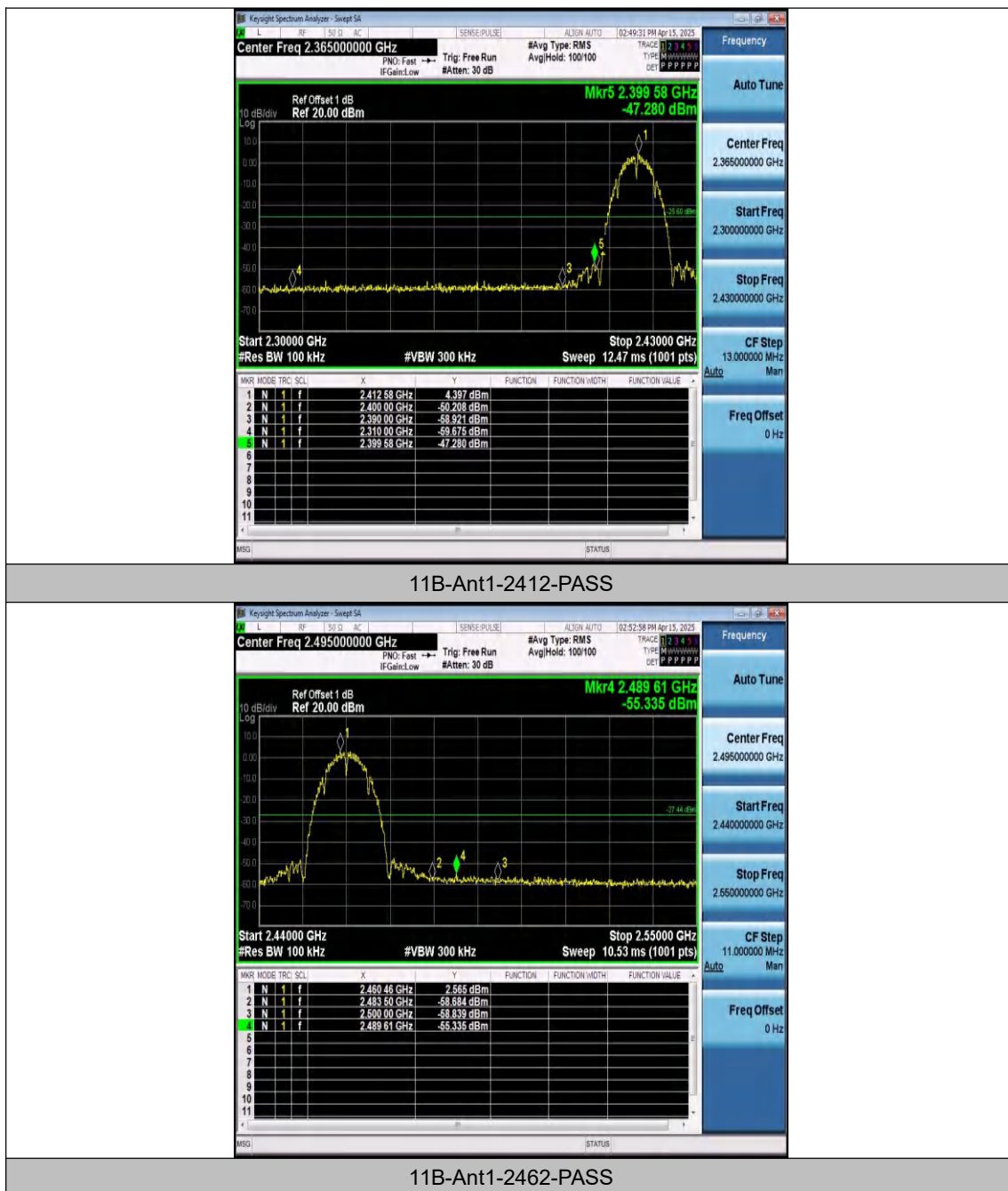
Appendix E: Conducted Band edge

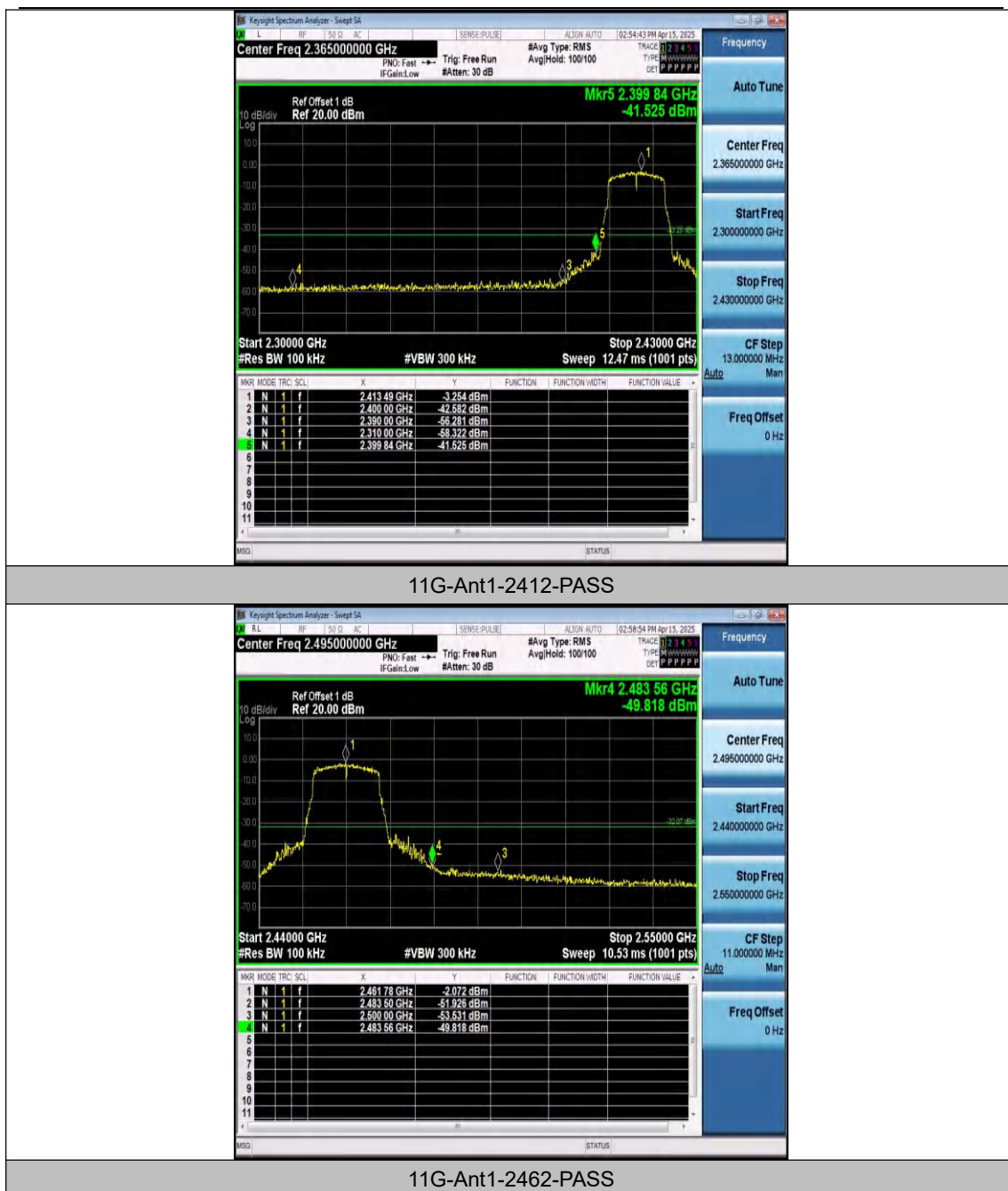
Test Result

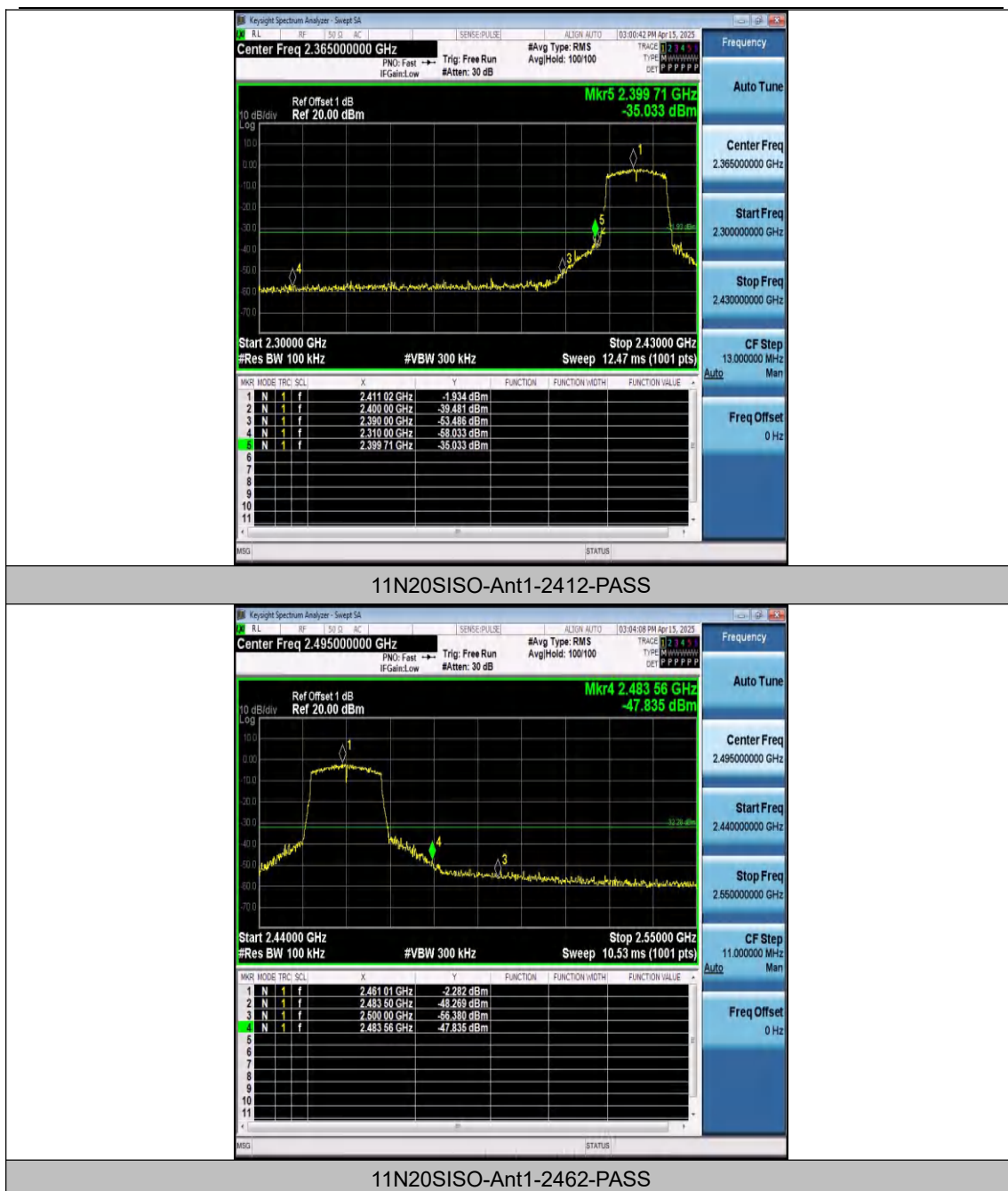
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.40	-47.28	≤-25.6	PASS
11B	Ant1	High	2462	2.57	-55.34	≤-27.44	PASS
11G	Ant1	Low	2412	-3.25	-41.53	≤-33.25	PASS
11G	Ant1	High	2462	-2.07	-49.82	≤-32.07	PASS
11N20SISO	Ant1	Low	2412	-1.93	-35.03	≤-31.93	PASS
11N20SISO	Ant1	High	2462	-2.28	-47.84	≤-32.28	PASS



Test Graphs







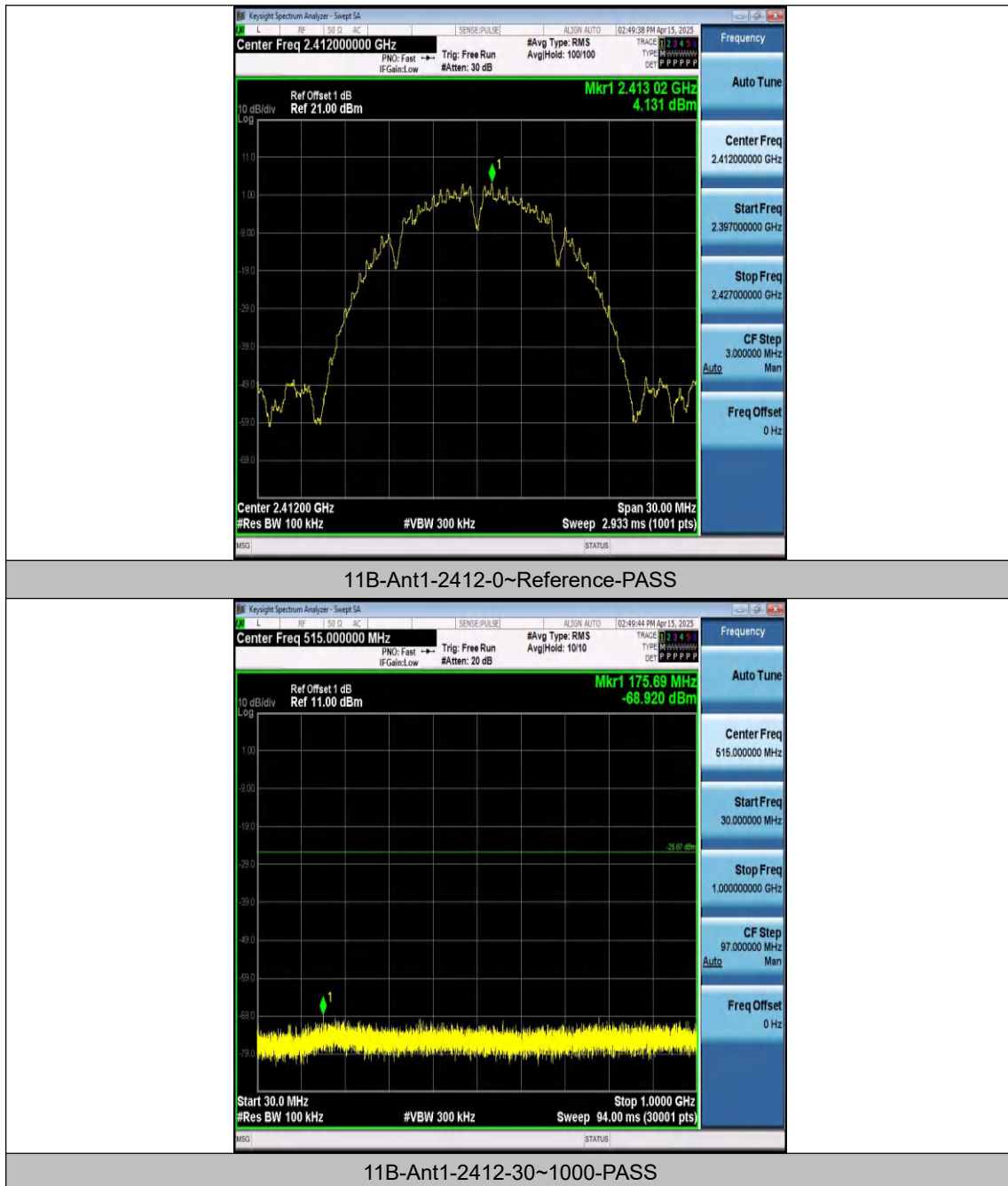
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.13	4.13	---	PASS
11B	Ant1	2412	30~1000	4.13	-68.92	≤-25.87	PASS
11B	Ant1	2412	1000~26500	4.13	-47.21	≤-25.87	PASS
11B	Ant1	2437	0~Reference	3.81	3.81	---	PASS
11B	Ant1	2437	30~1000	3.81	-68.53	≤-26.19	PASS
11B	Ant1	2437	1000~26500	3.81	-48.85	≤-26.19	PASS
11B	Ant1	2462	0~Reference	2.67	2.67	---	PASS
11B	Ant1	2462	30~1000	2.67	-68.19	≤-27.33	PASS
11B	Ant1	2462	1000~26500	2.67	-51.81	≤-27.33	PASS
11G	Ant1	2412	0~Reference	-3.13	-3.13	---	PASS
11G	Ant1	2412	30~1000	-3.13	-68.74	≤-33.13	PASS
11G	Ant1	2412	1000~26500	-3.13	-53.32	≤-33.13	PASS
11G	Ant1	2437	0~Reference	-1.63	-1.63	---	PASS
11G	Ant1	2437	30~1000	-1.63	-68.98	≤-31.63	PASS
11G	Ant1	2437	1000~26500	-1.63	-53.03	≤-31.63	PASS
11G	Ant1	2462	0~Reference	-2.08	-2.08	---	PASS
11G	Ant1	2462	30~1000	-2.08	-69.18	≤-32.08	PASS
11G	Ant1	2462	1000~26500	-2.08	-52.76	≤-32.08	PASS
11N20SISO	Ant1	2412	0~Reference	-1.66	-1.66	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.66	-68.87	≤-31.66	PASS
11N20SISO	Ant1	2412	1000~26500	-1.66	-53.78	≤-31.66	PASS
11N20SISO	Ant1	2437	0~Reference	-1.98	-1.98	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.98	-68.39	≤-31.98	PASS
11N20SISO	Ant1	2437	1000~26500	-1.98	-52	≤-31.98	PASS
11N20SISO	Ant1	2462	0~Reference	-2.39	-2.39	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.39	-69.19	≤-32.39	PASS
11N20SISO	Ant1	2462	1000~26500	-2.39	-53.74	≤-32.39	PASS



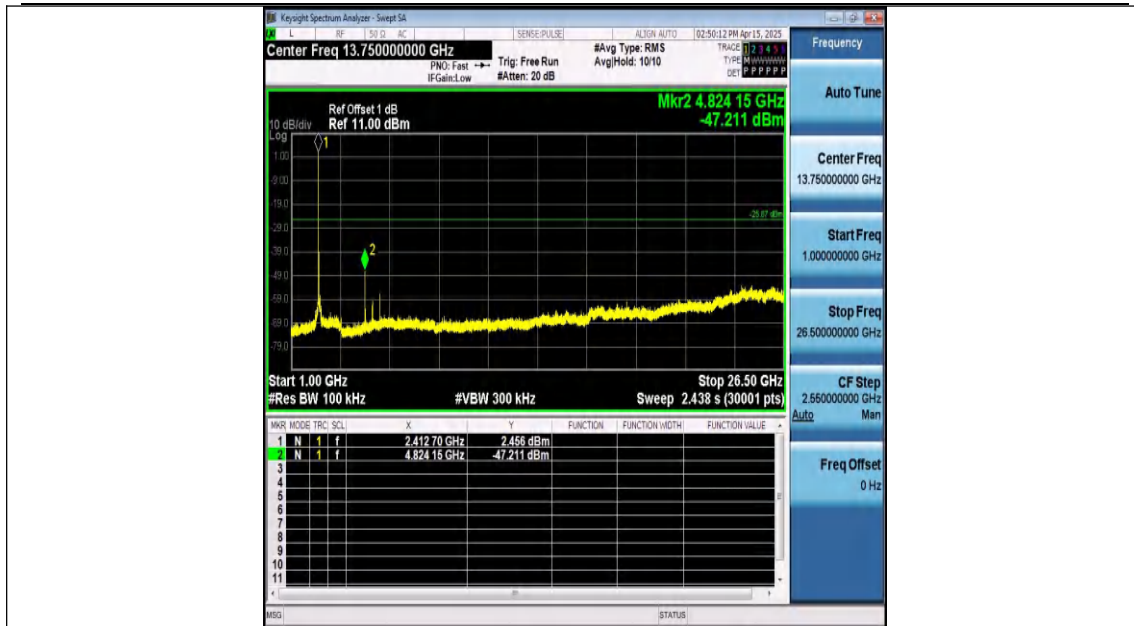
Test Graphs



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11B-Ant1-2412-1000~26500-PASS



11B-Ant1-2437-0~Reference-PASS

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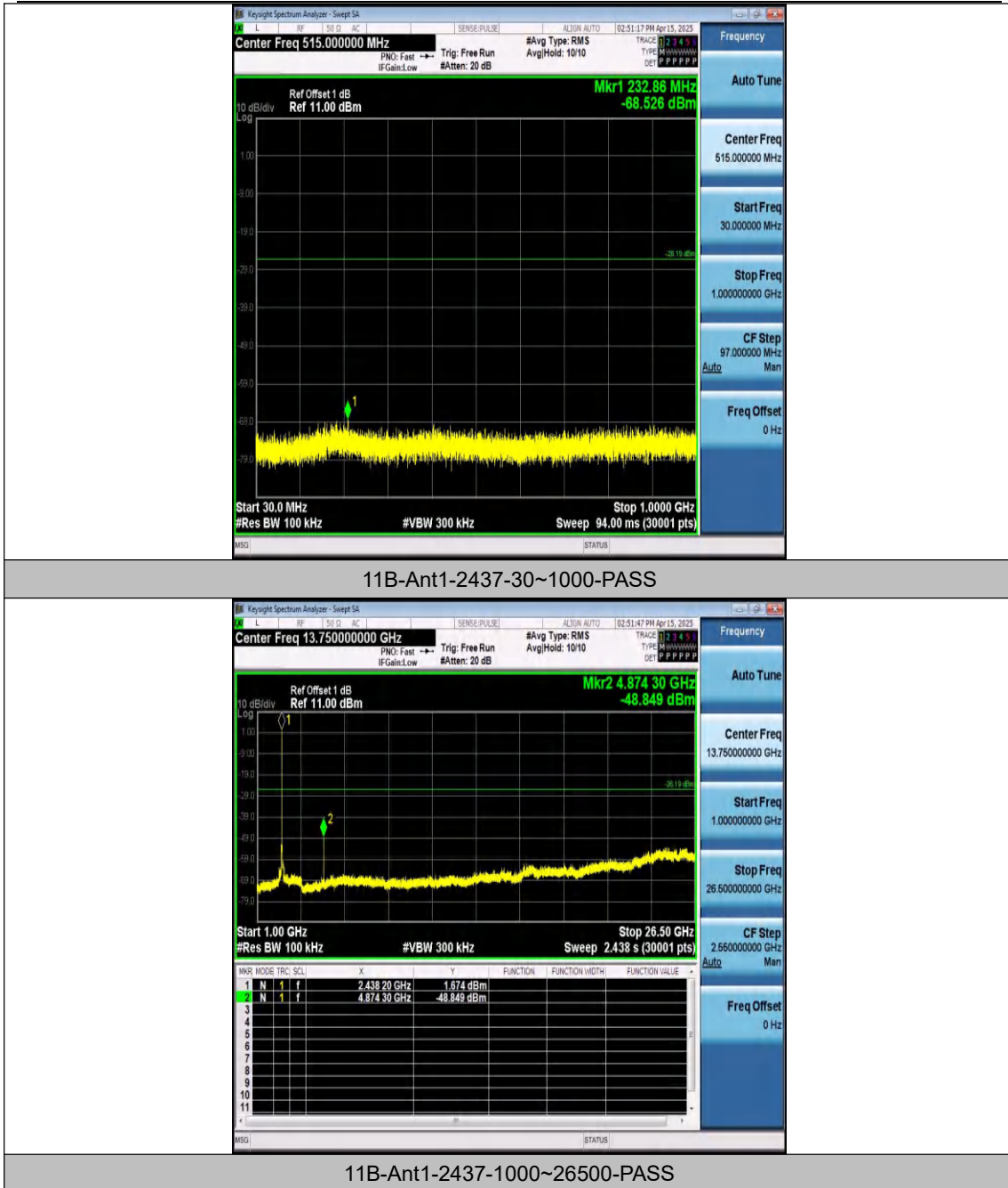
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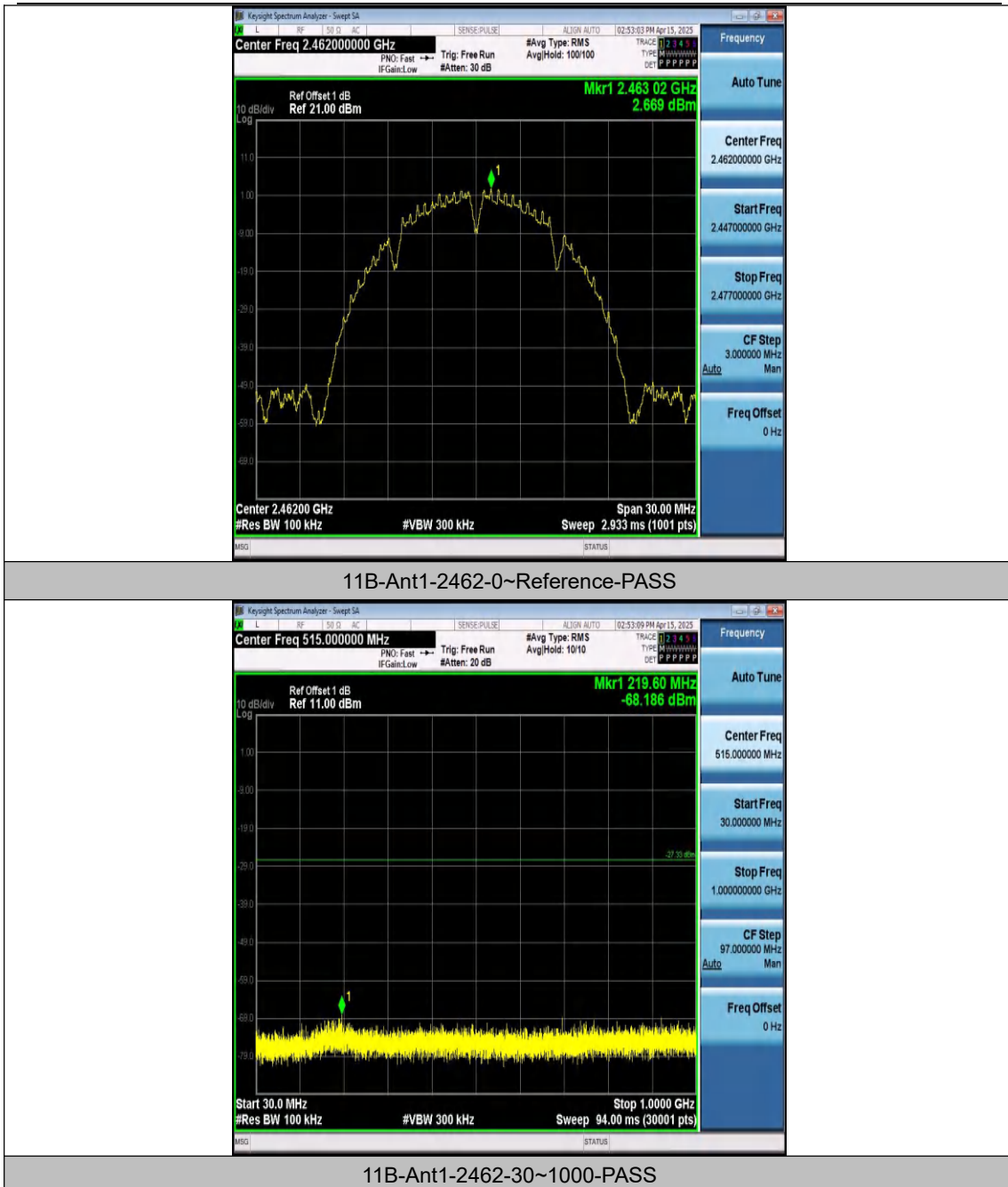


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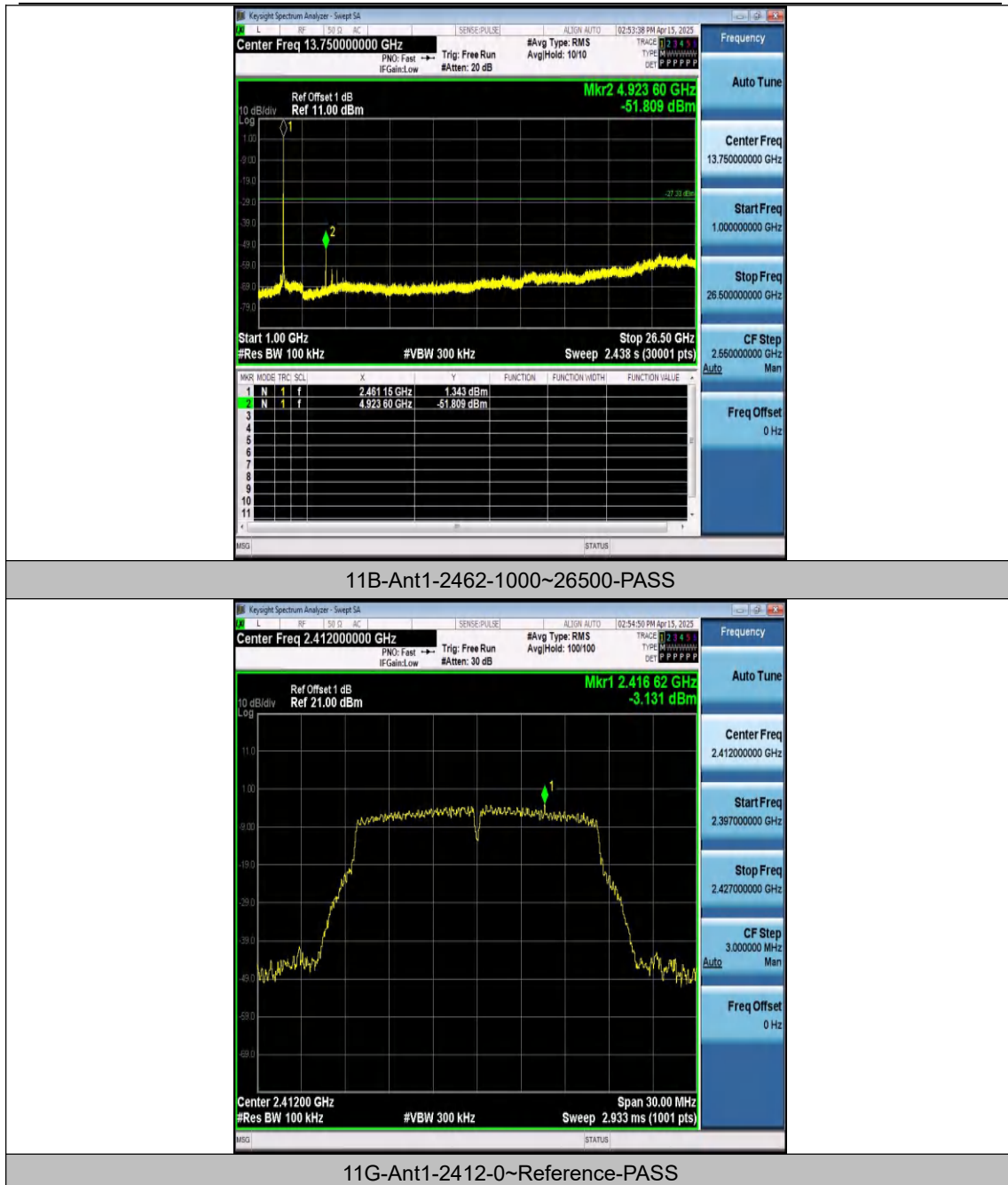




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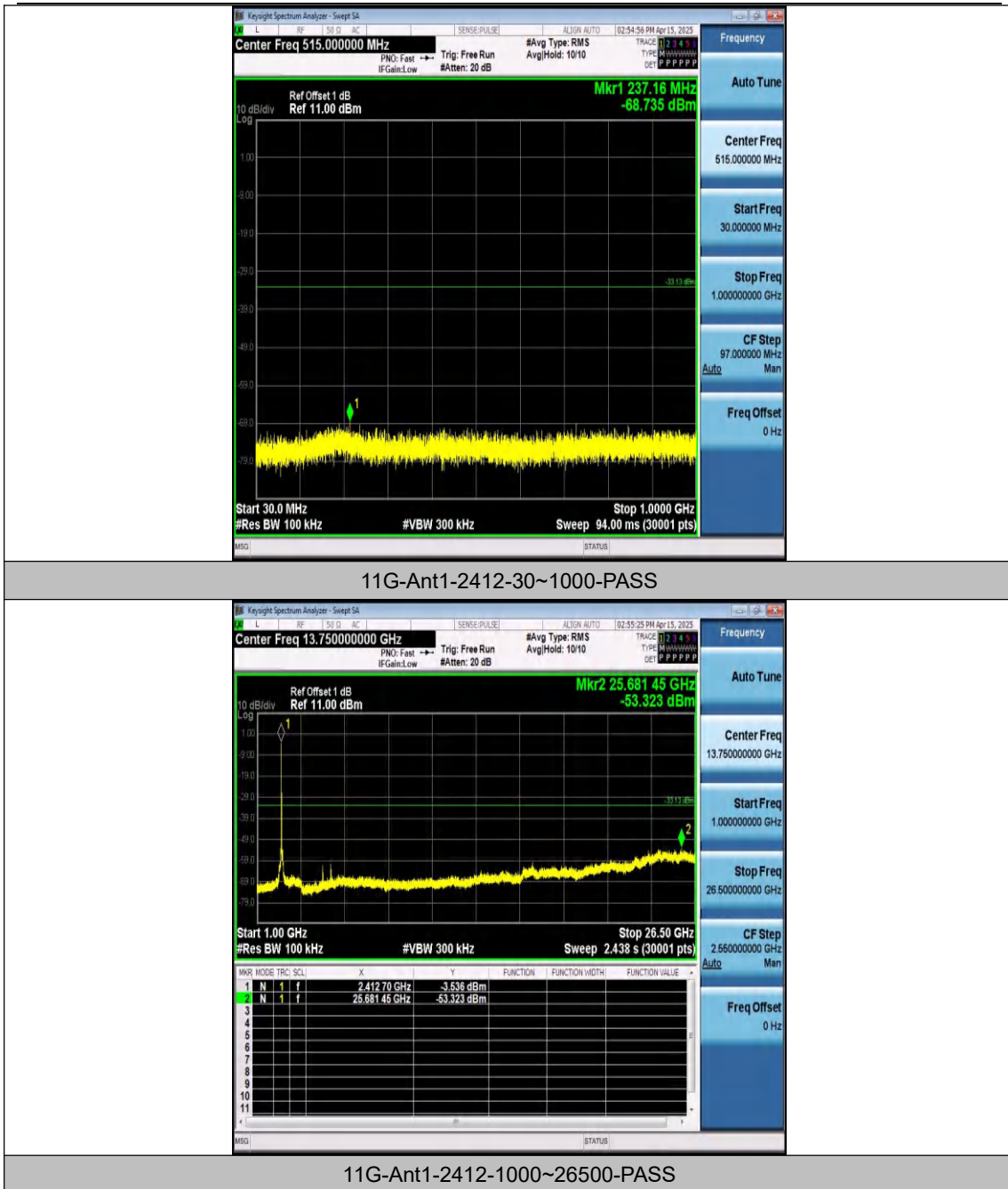
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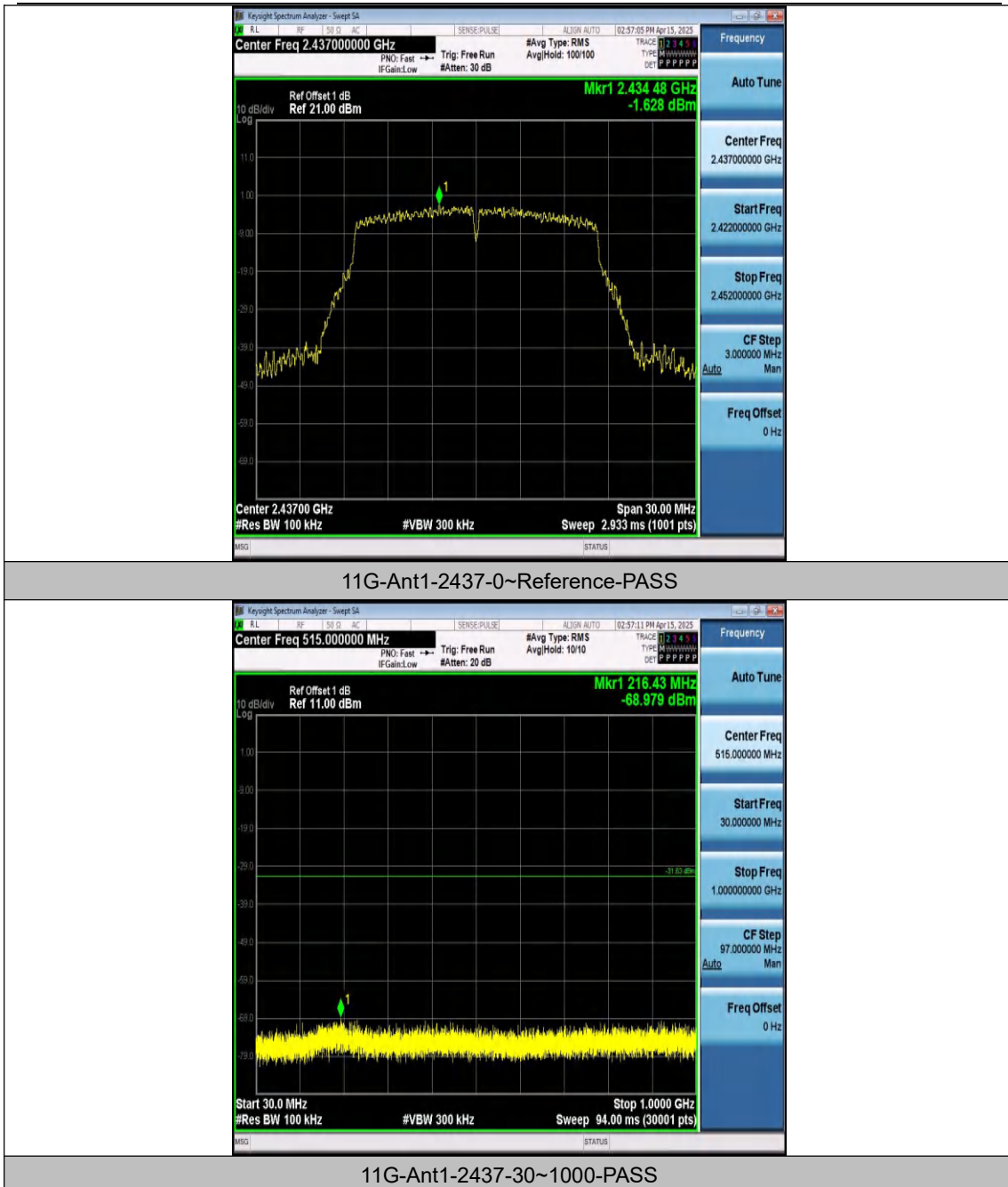


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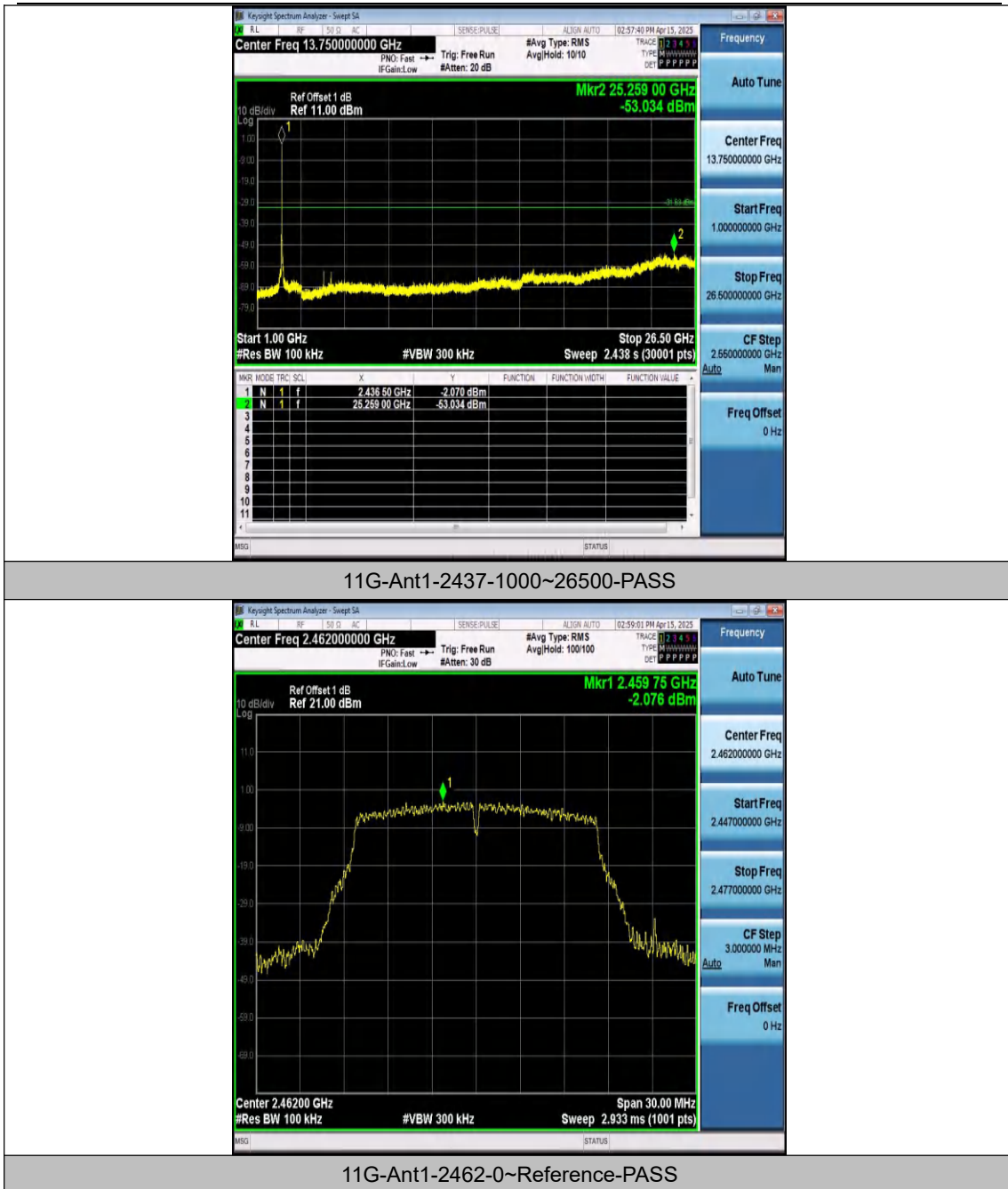




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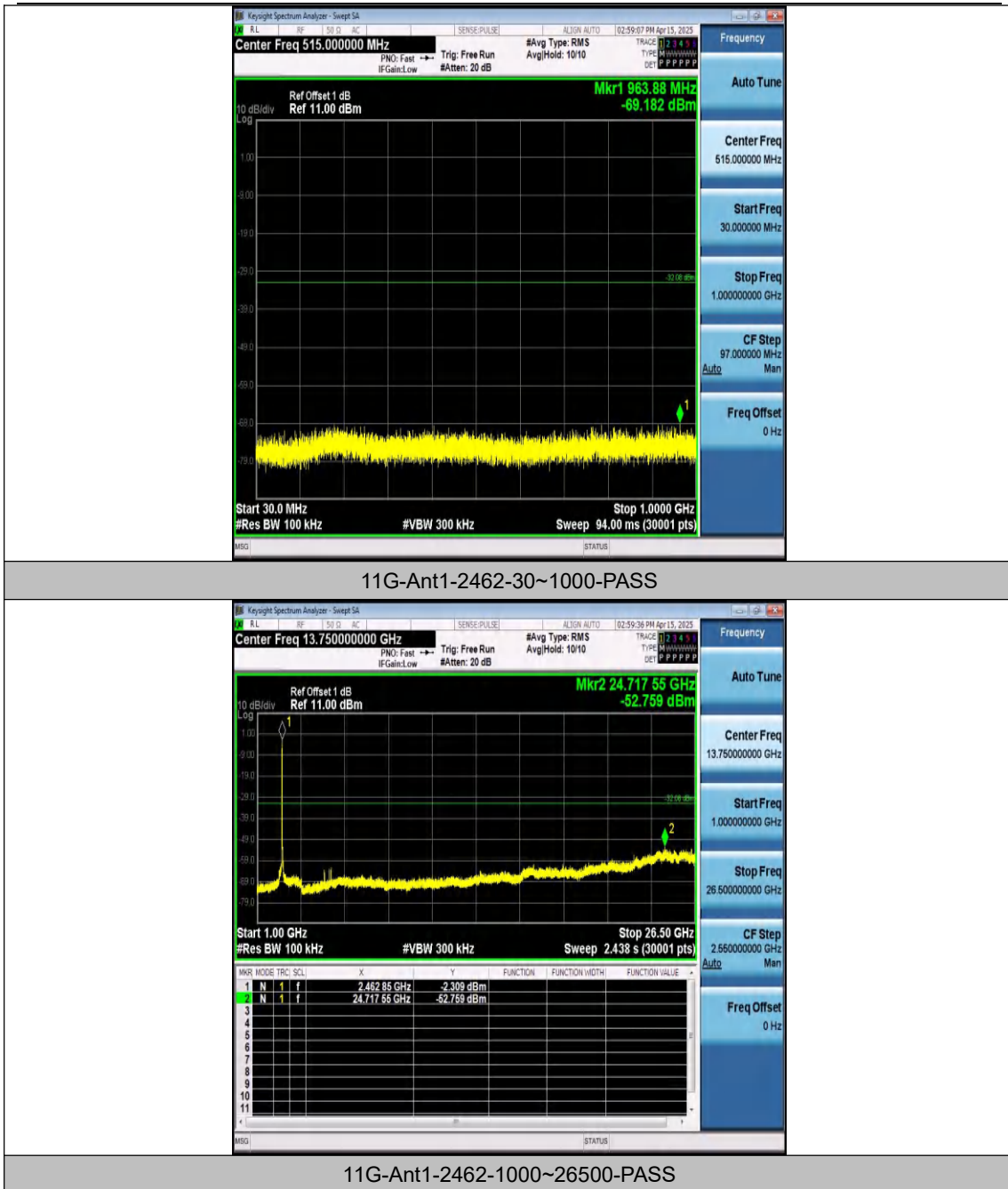
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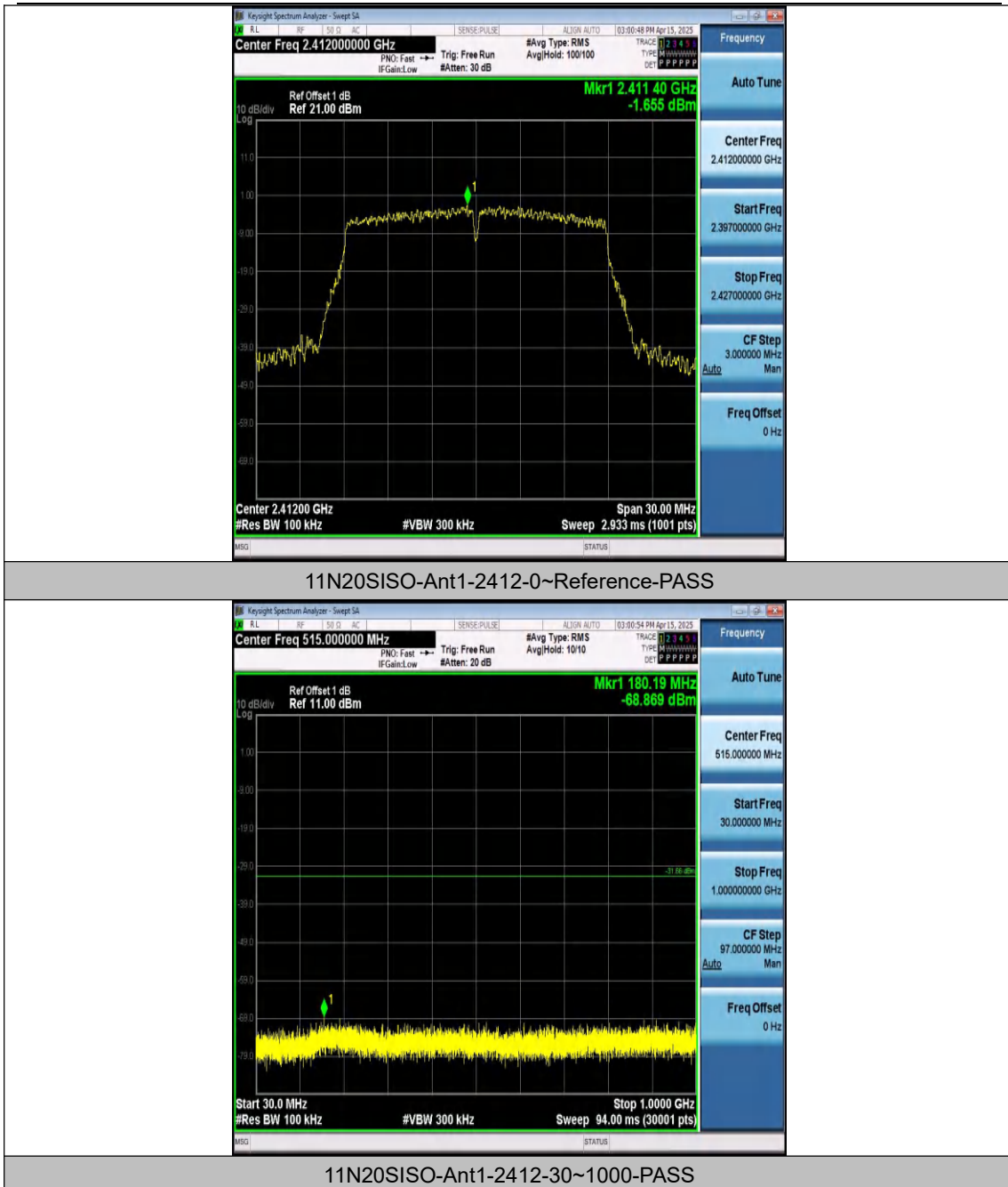


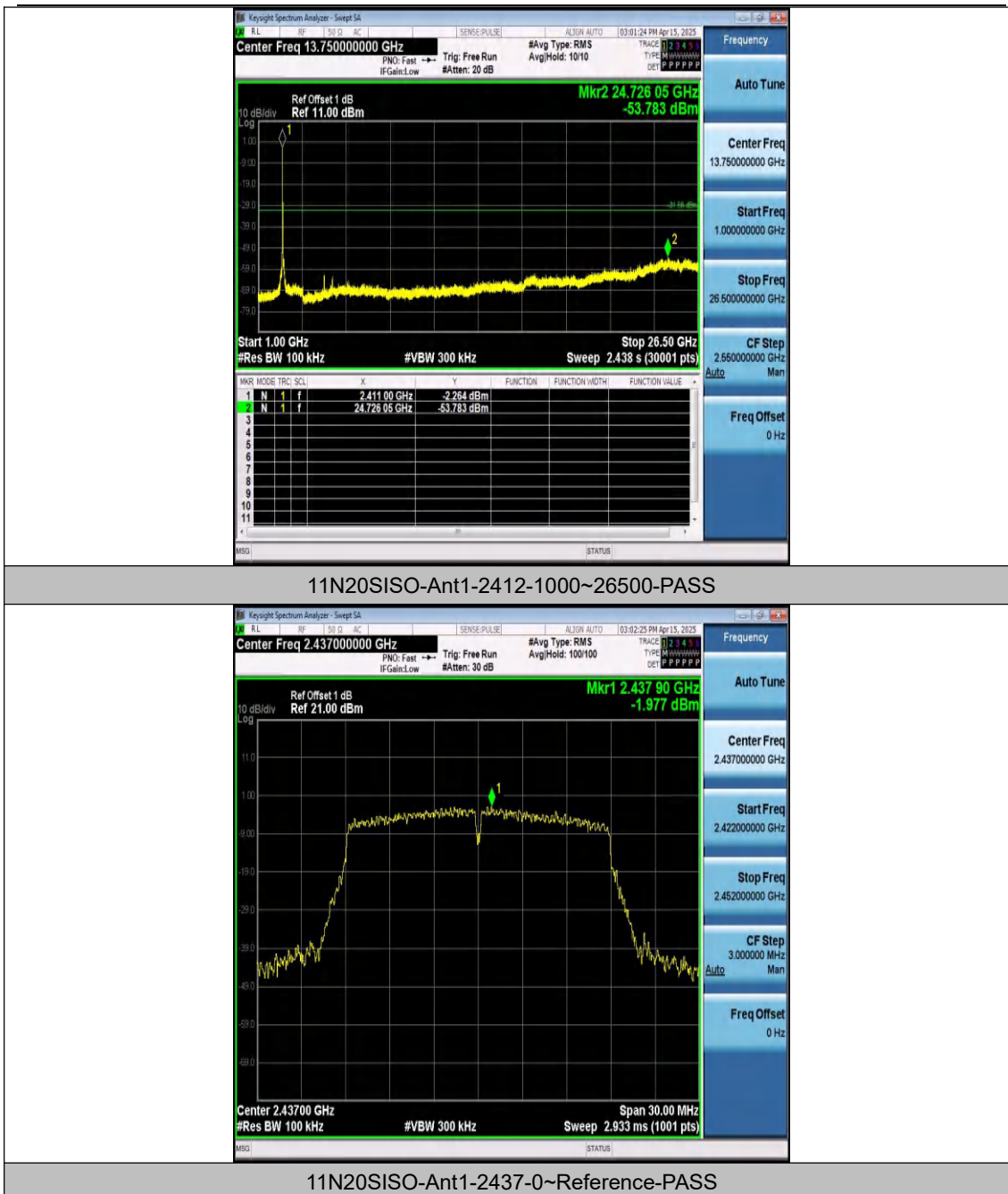
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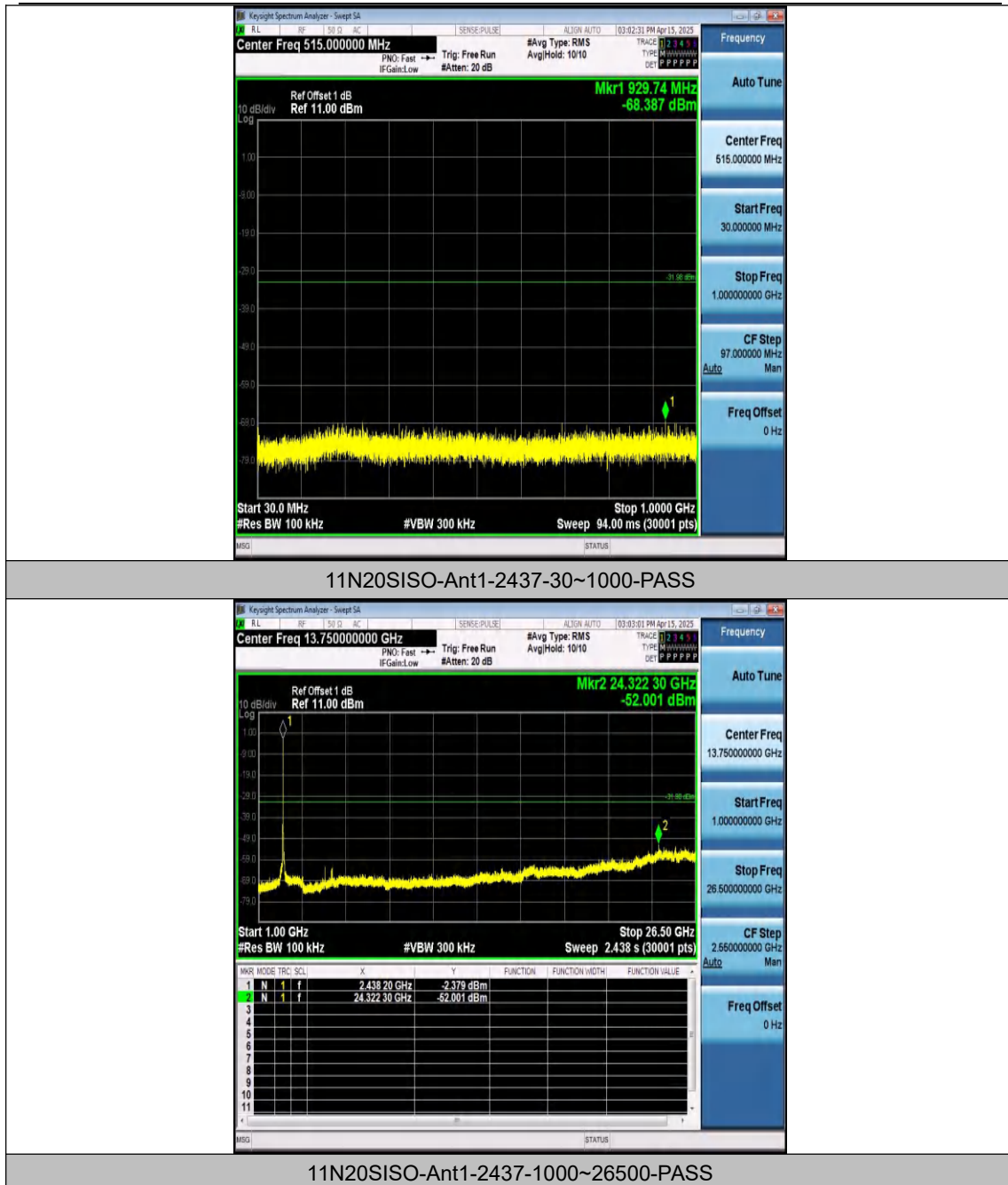


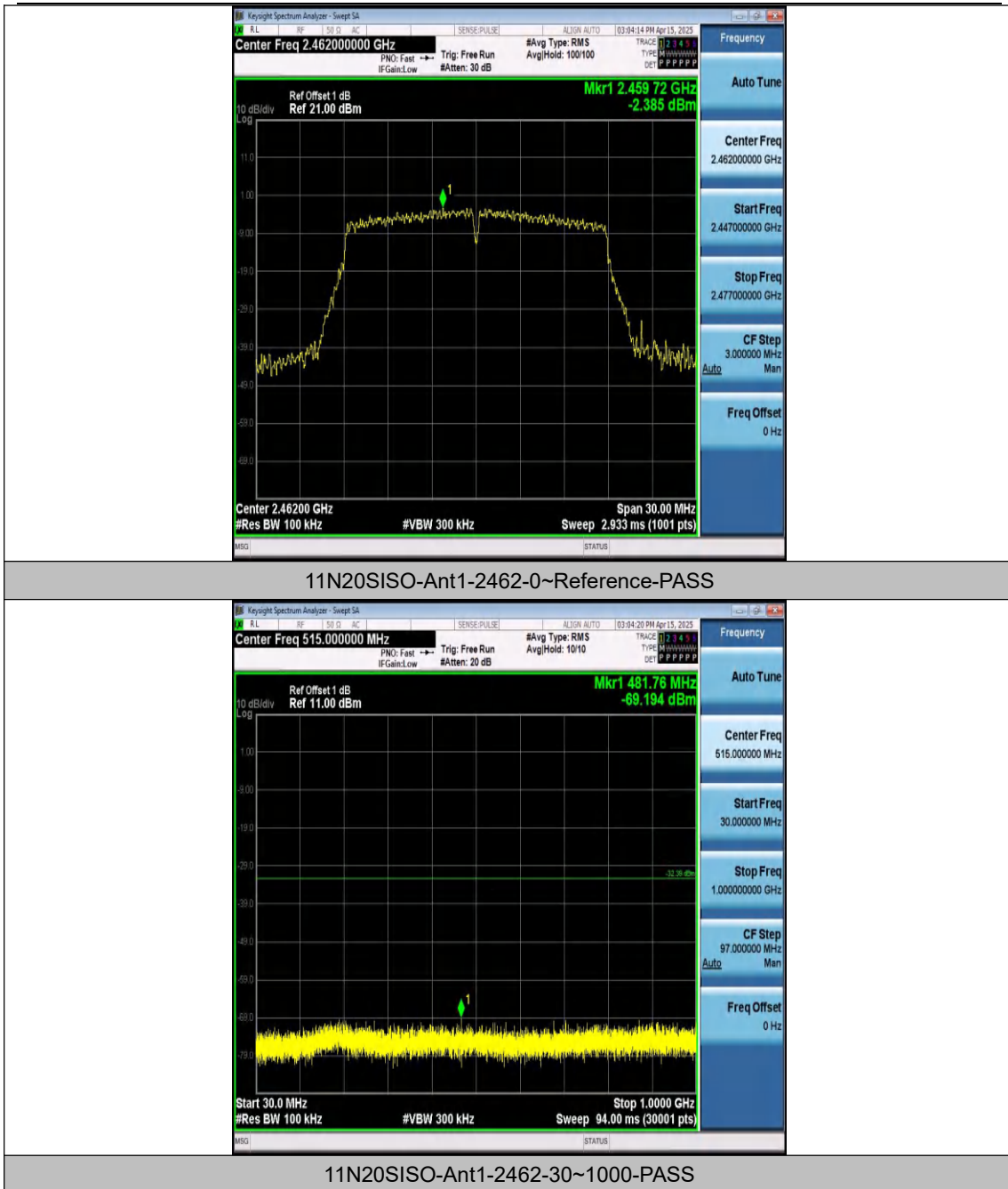


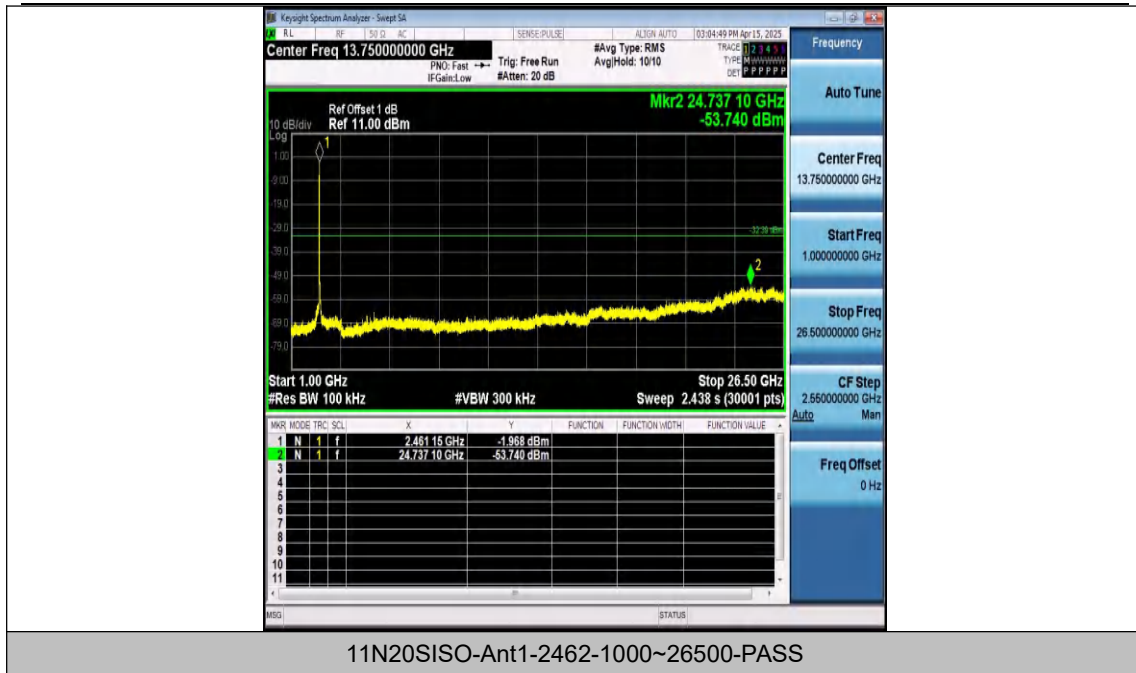
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2462	100.00	100.00	100.00	0.00

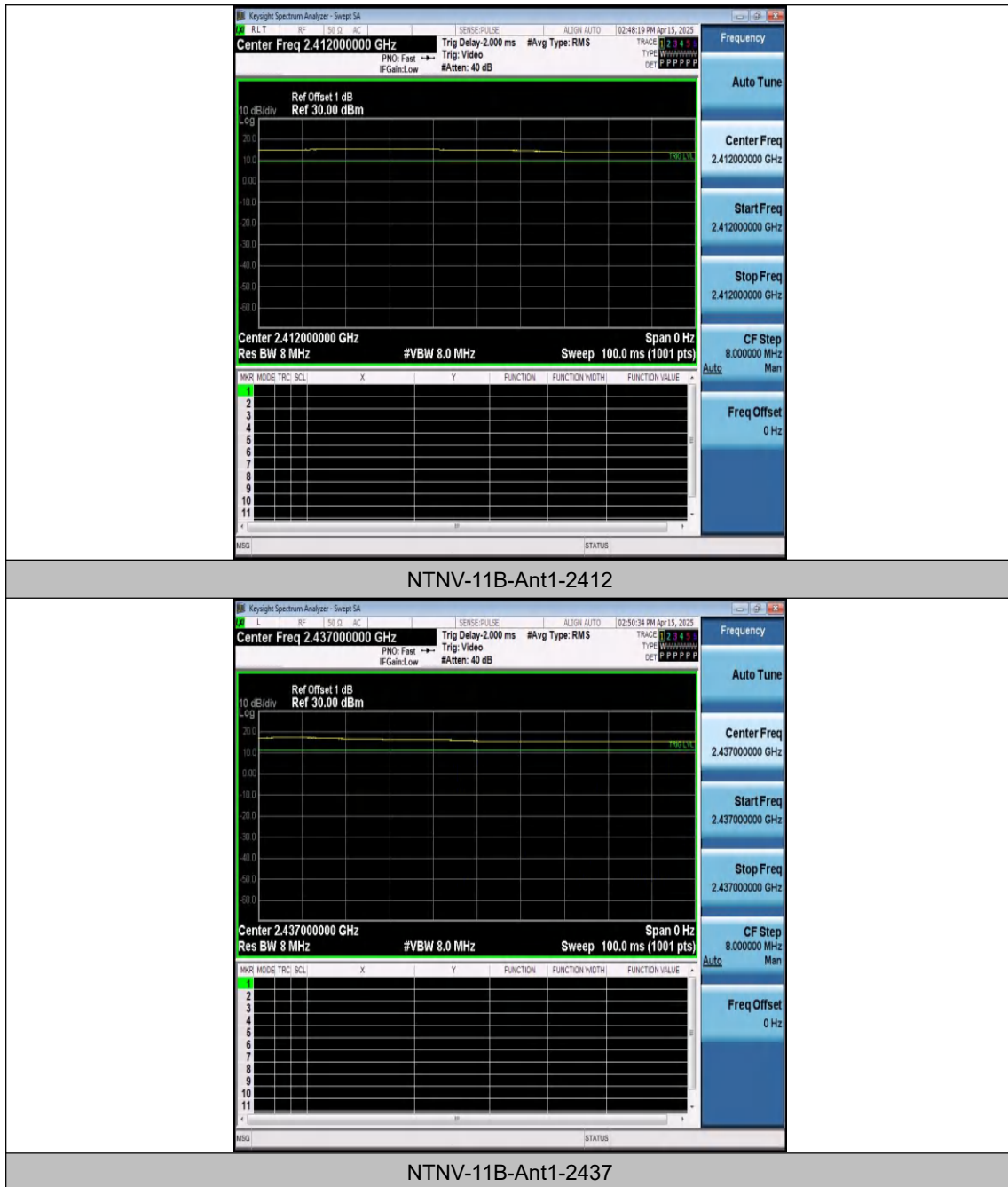
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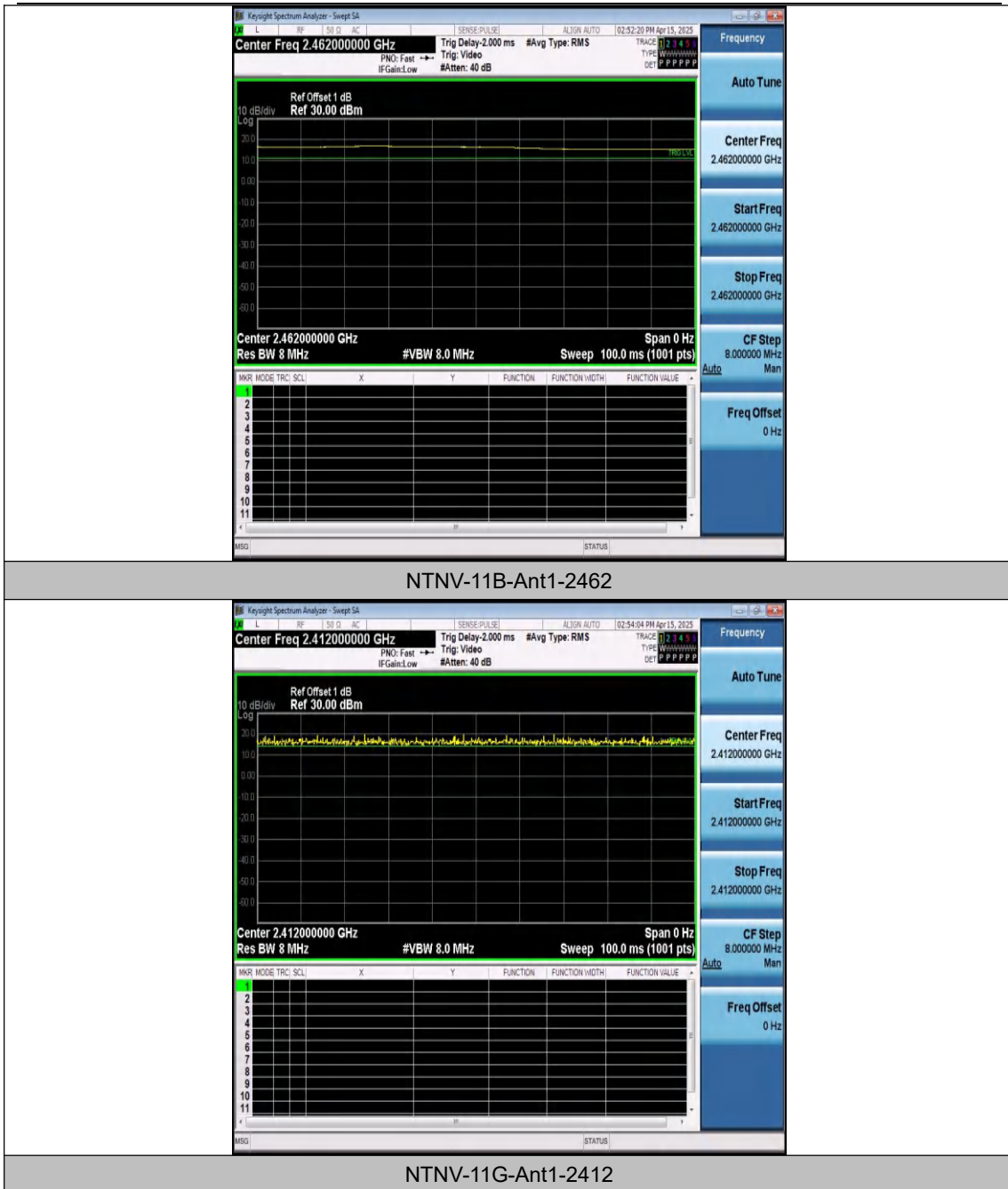
Test Graphs



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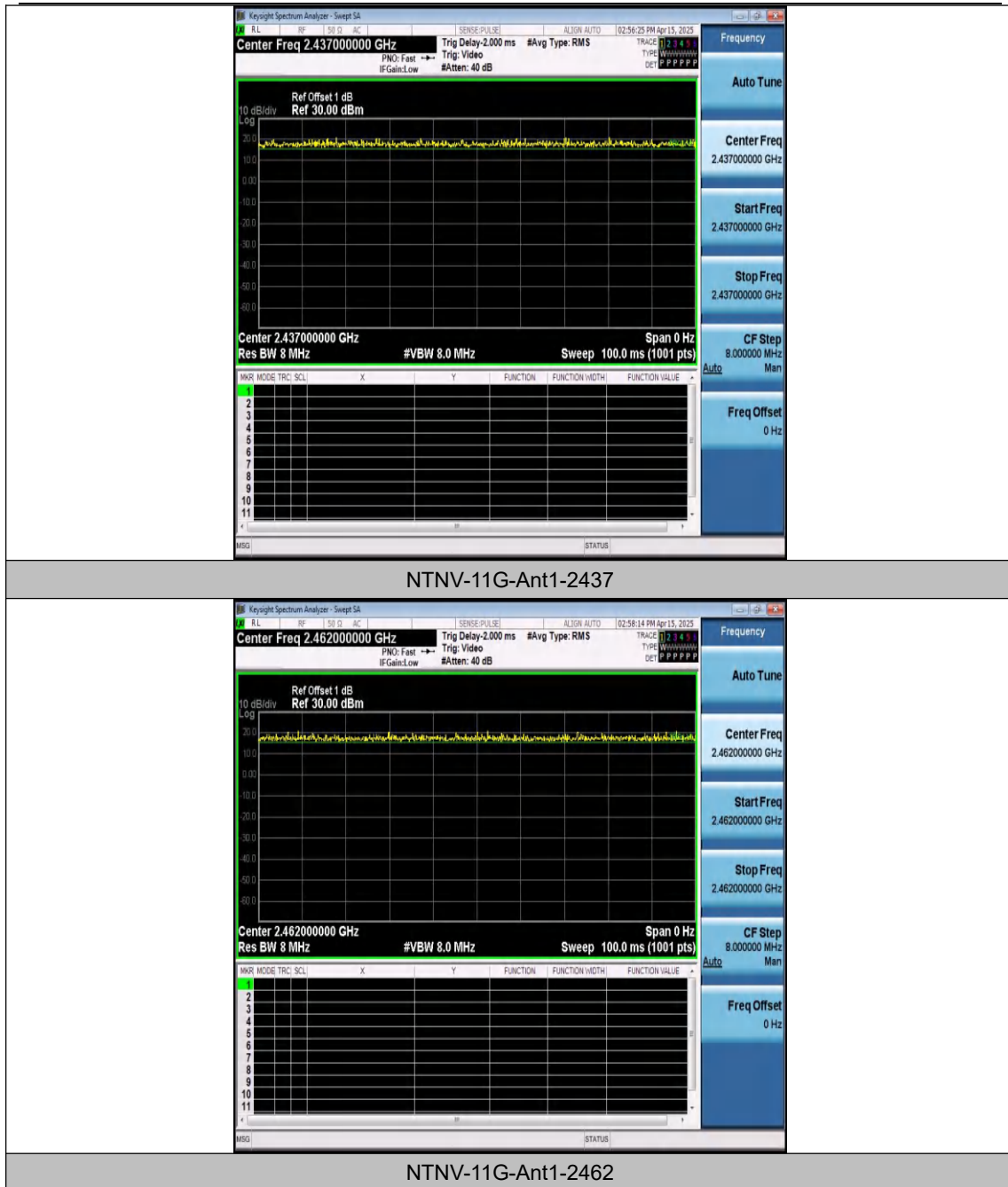


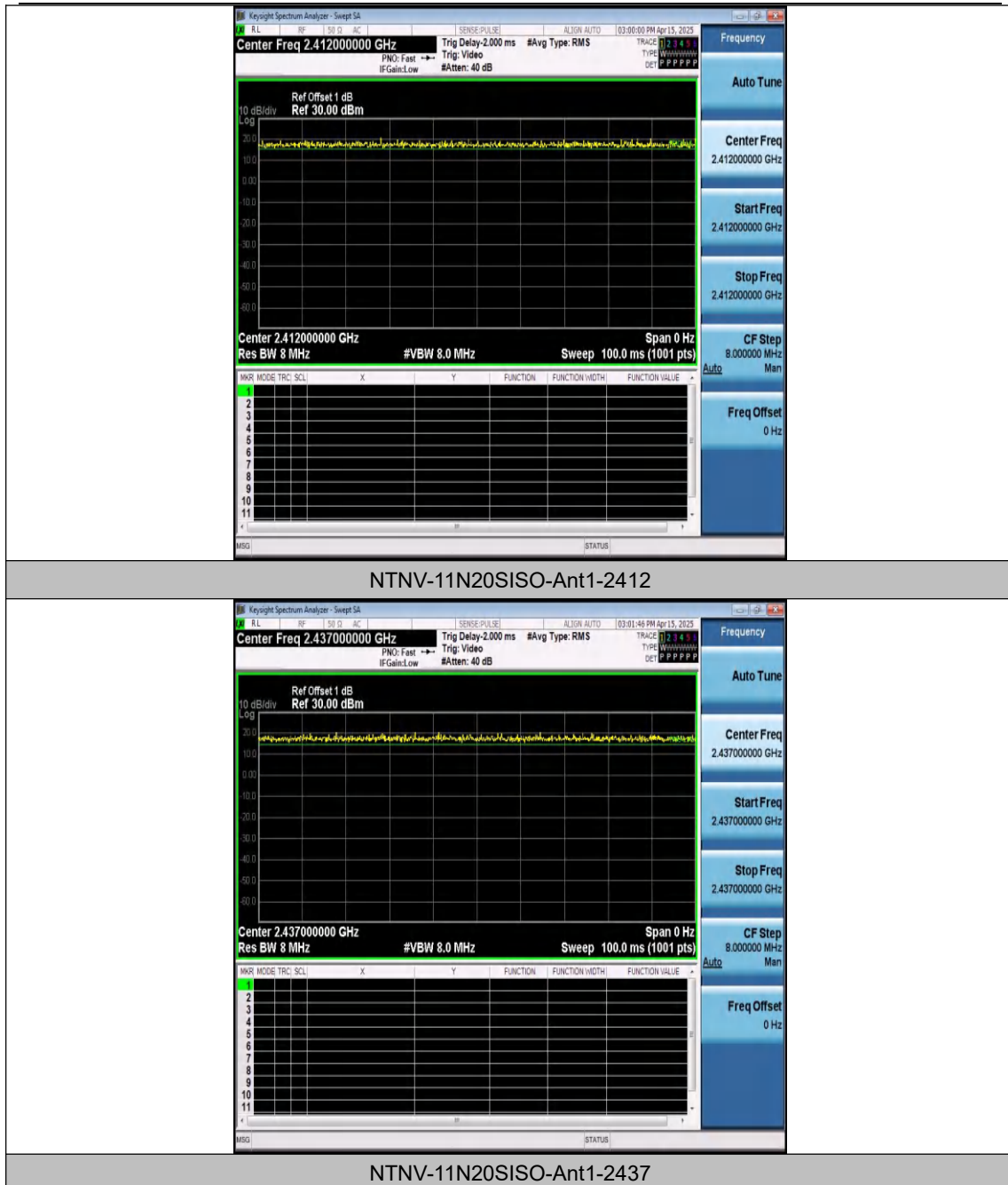
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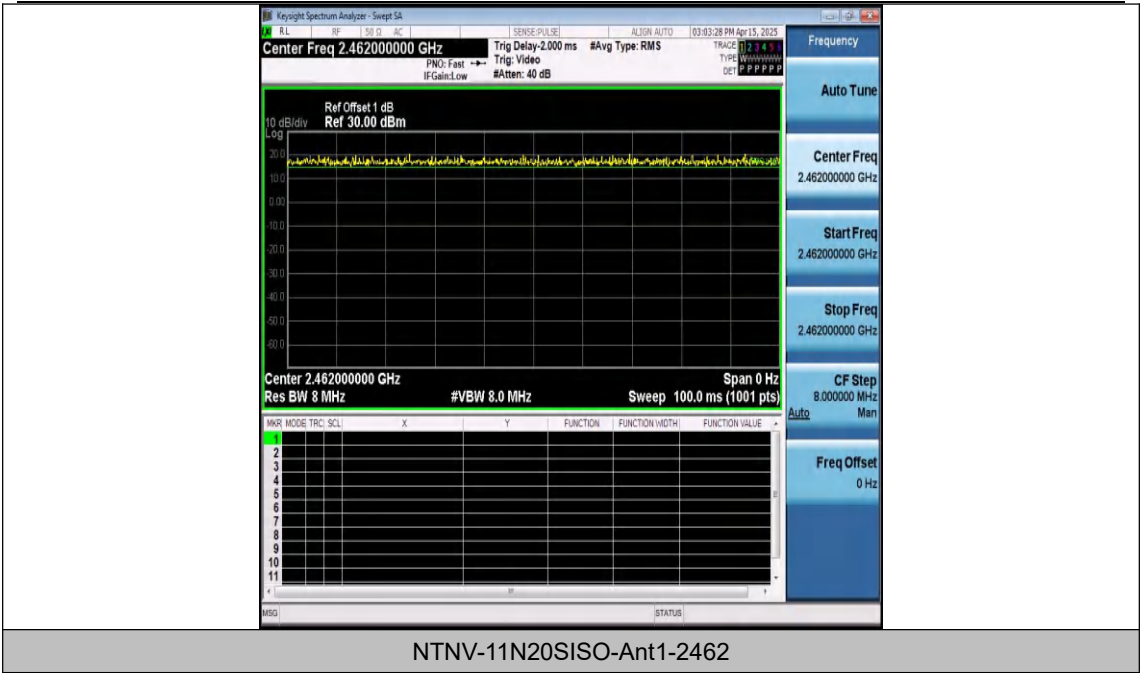
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