

Appendix Test Data

Report No.:	1812C50654512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-15	Finish Test Date:	2025-12-15
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22°C	Relative Humidity:	40%
Pressure:	101kPa		

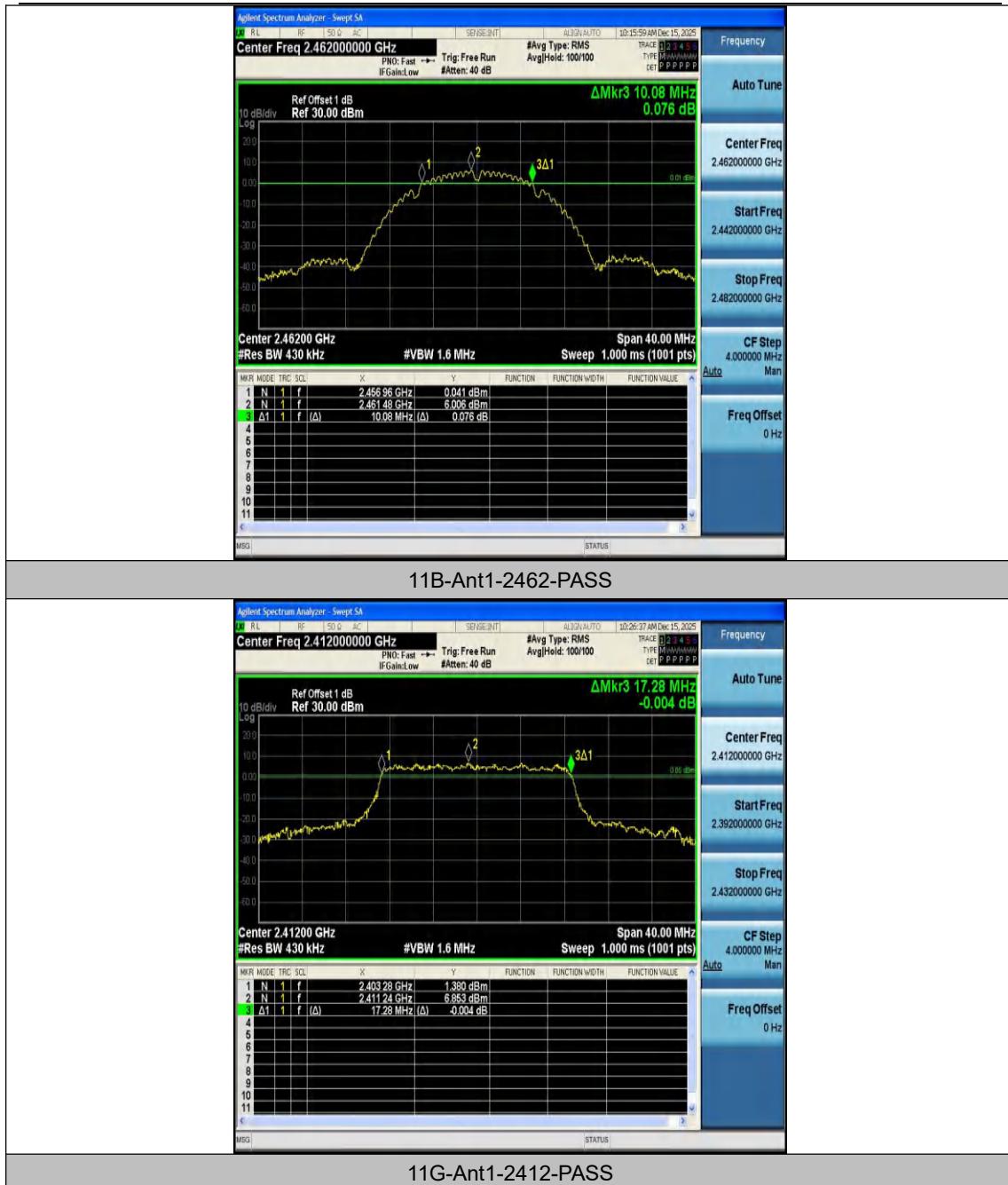
Appendix A: 6dB Bandwidth

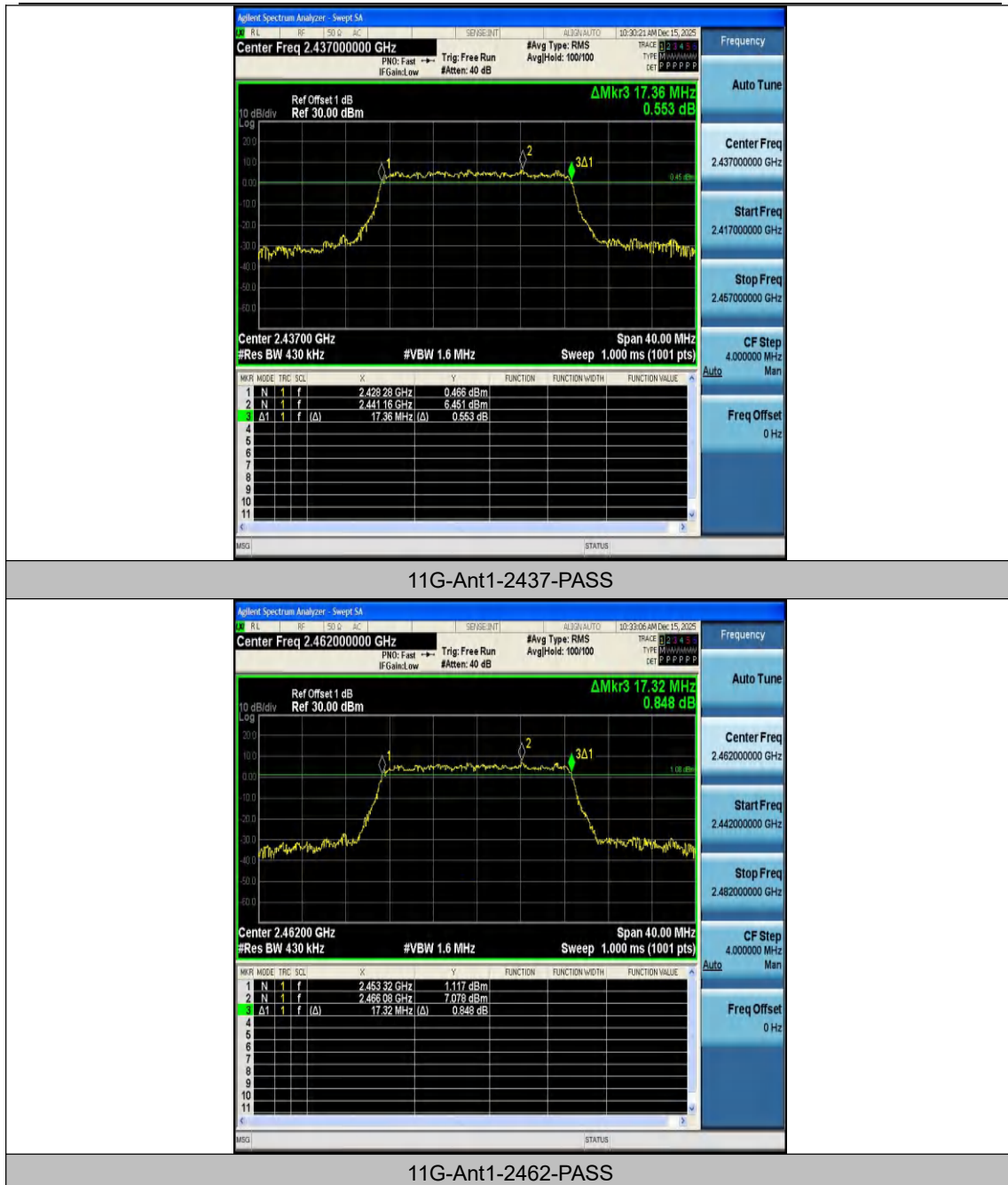
Test Result

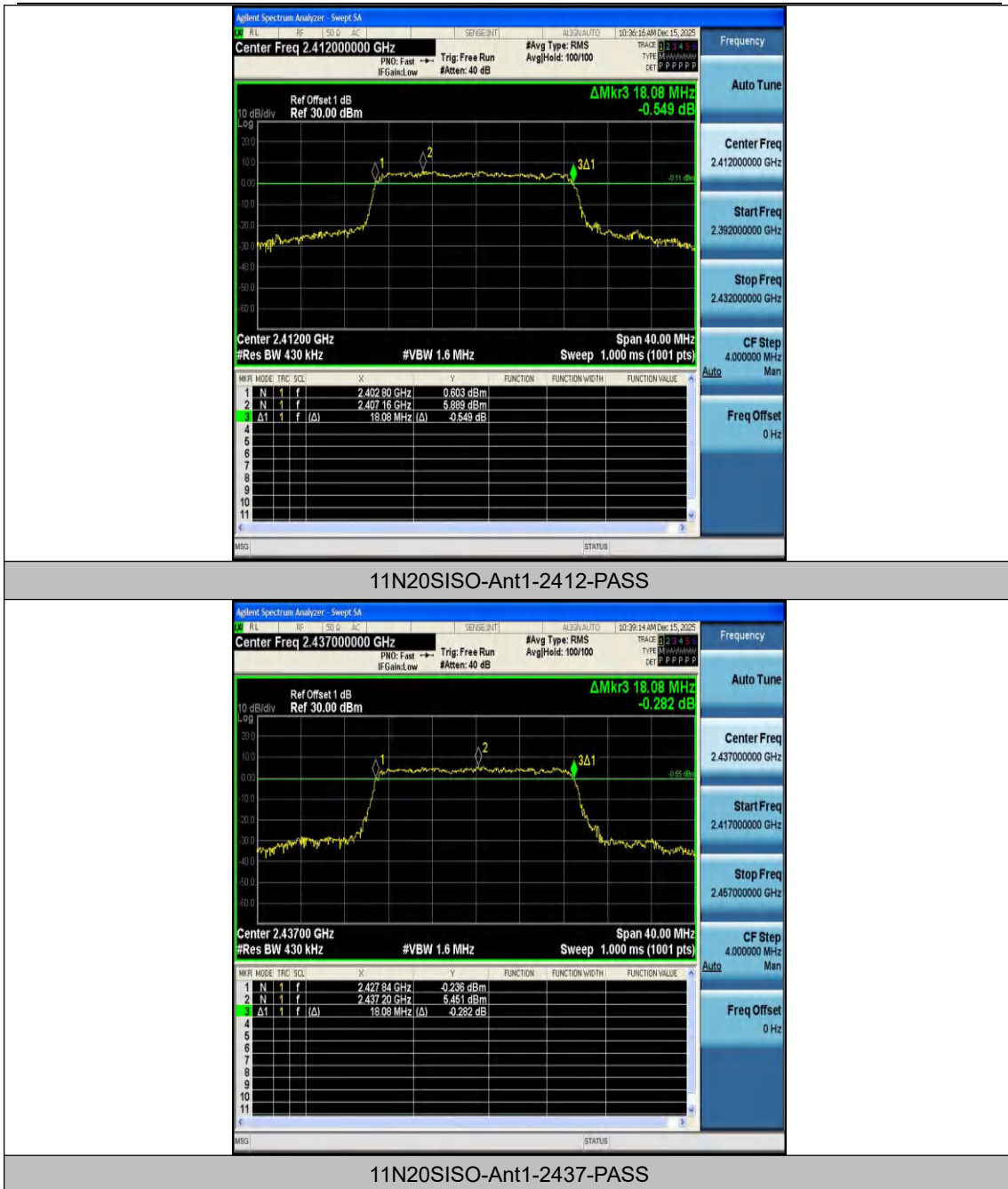
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.720	2406.920	2416.640	0.5	PASS
11B	Ant1	2437	10.120	2431.920	2442.040	0.5	PASS
11B	Ant1	2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	17.280	2403.280	2420.560	0.5	PASS
11G	Ant1	2437	17.360	2428.280	2445.640	0.5	PASS
11G	Ant1	2462	17.320	2453.320	2470.640	0.5	PASS
11N20SISO	Ant1	2412	18.080	2402.800	2420.880	0.5	PASS
11N20SISO	Ant1	2437	18.080	2427.840	2445.920	0.5	PASS
11N20SISO	Ant1	2462	18.040	2452.880	2470.920	0.5	PASS

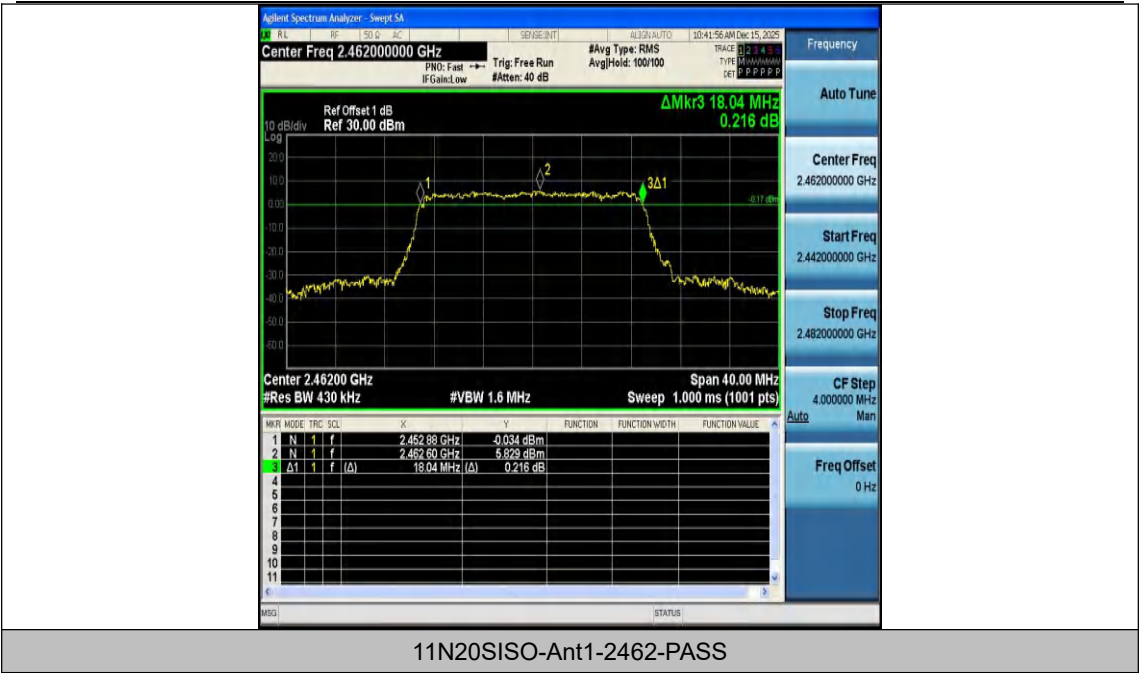
Test Graphs











11N20SISO-Ant1-2462-PASS

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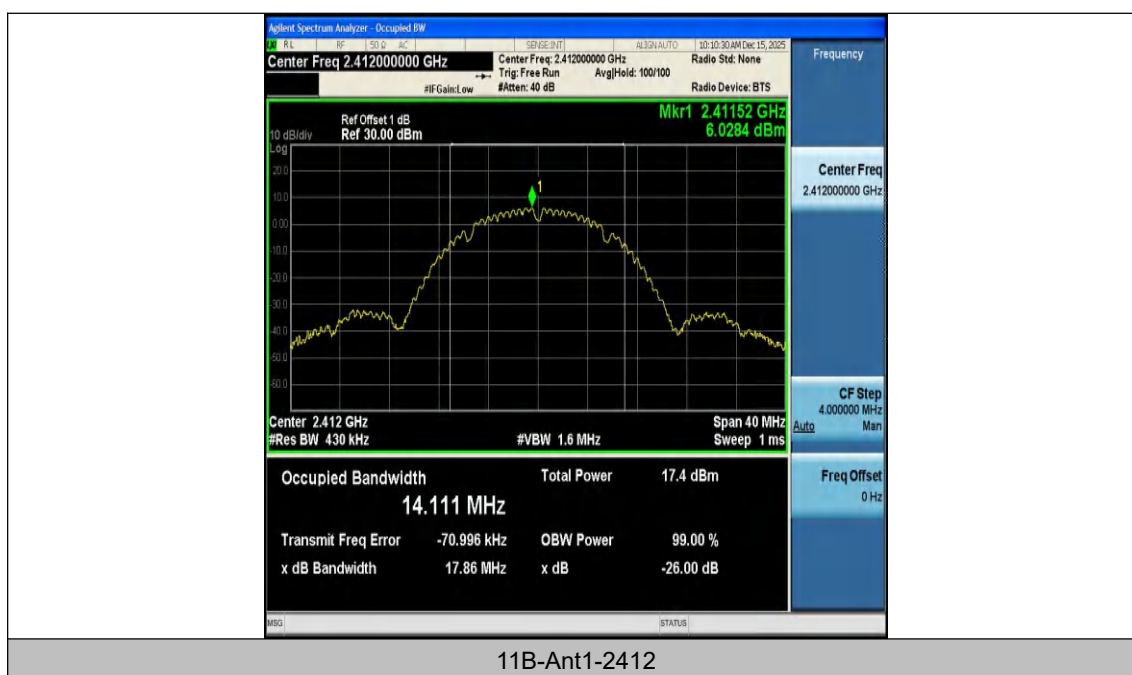
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Appendix B: 99% Occupied Bandwidth

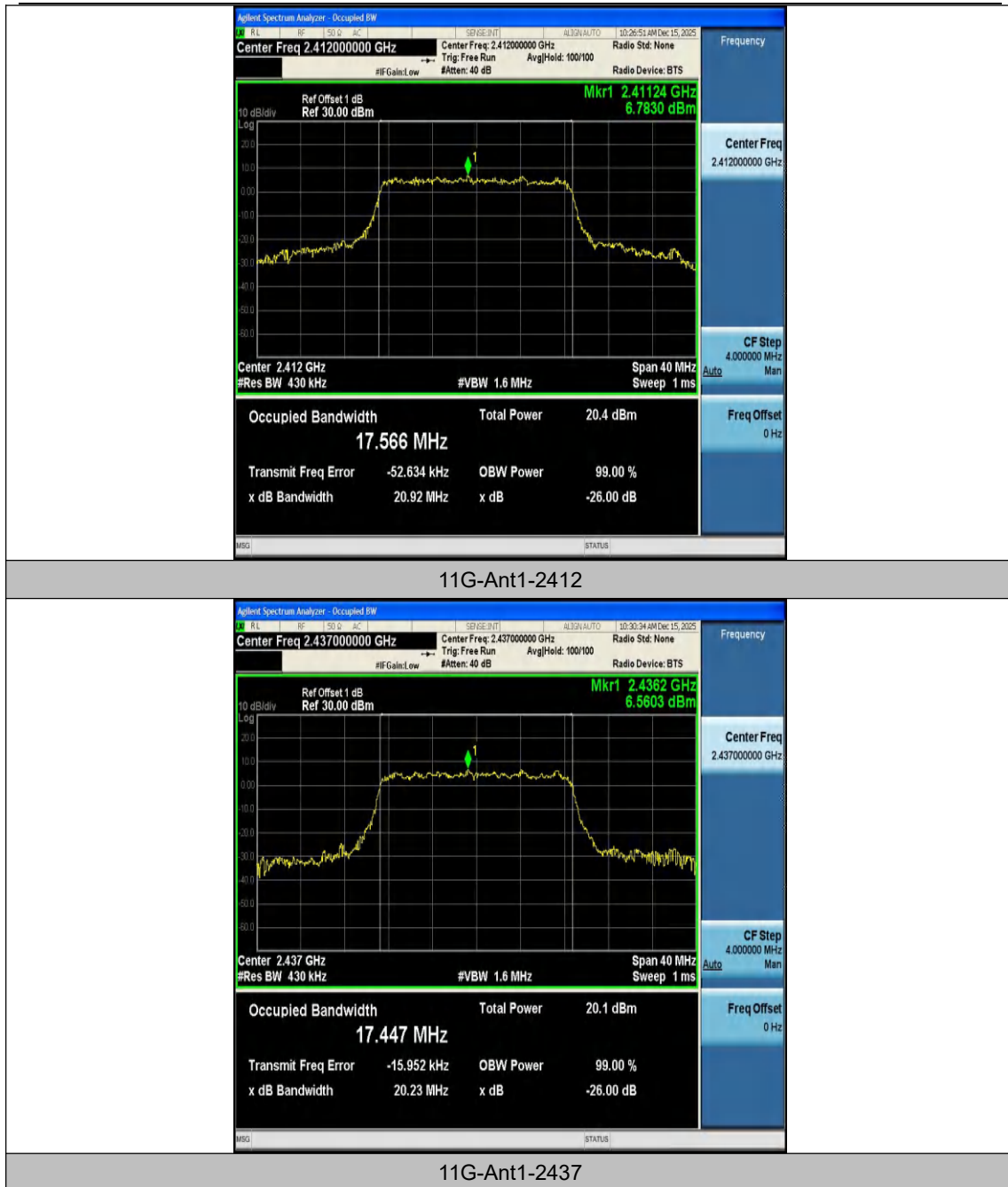
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.111	2404.8735	2418.9845	---	---
11B	Ant1	2437	14.016	2429.9819	2443.9979	---	---
11B	Ant1	2462	13.974	2455.0228	2468.9968	---	---
11G	Ant1	2412	17.566	2403.1644	2420.7304	---	---
11G	Ant1	2437	17.447	2428.2606	2445.7076	---	---
11G	Ant1	2462	17.429	2453.2840	2470.7130	---	---
11N20SISO	Ant1	2412	18.195	2402.8212	2421.0162	---	---
11N20SISO	Ant1	2437	18.123	2427.8821	2446.0051	---	---
11N20SISO	Ant1	2462	18.077	2452.9148	2470.9918	---	---

Test Graphs



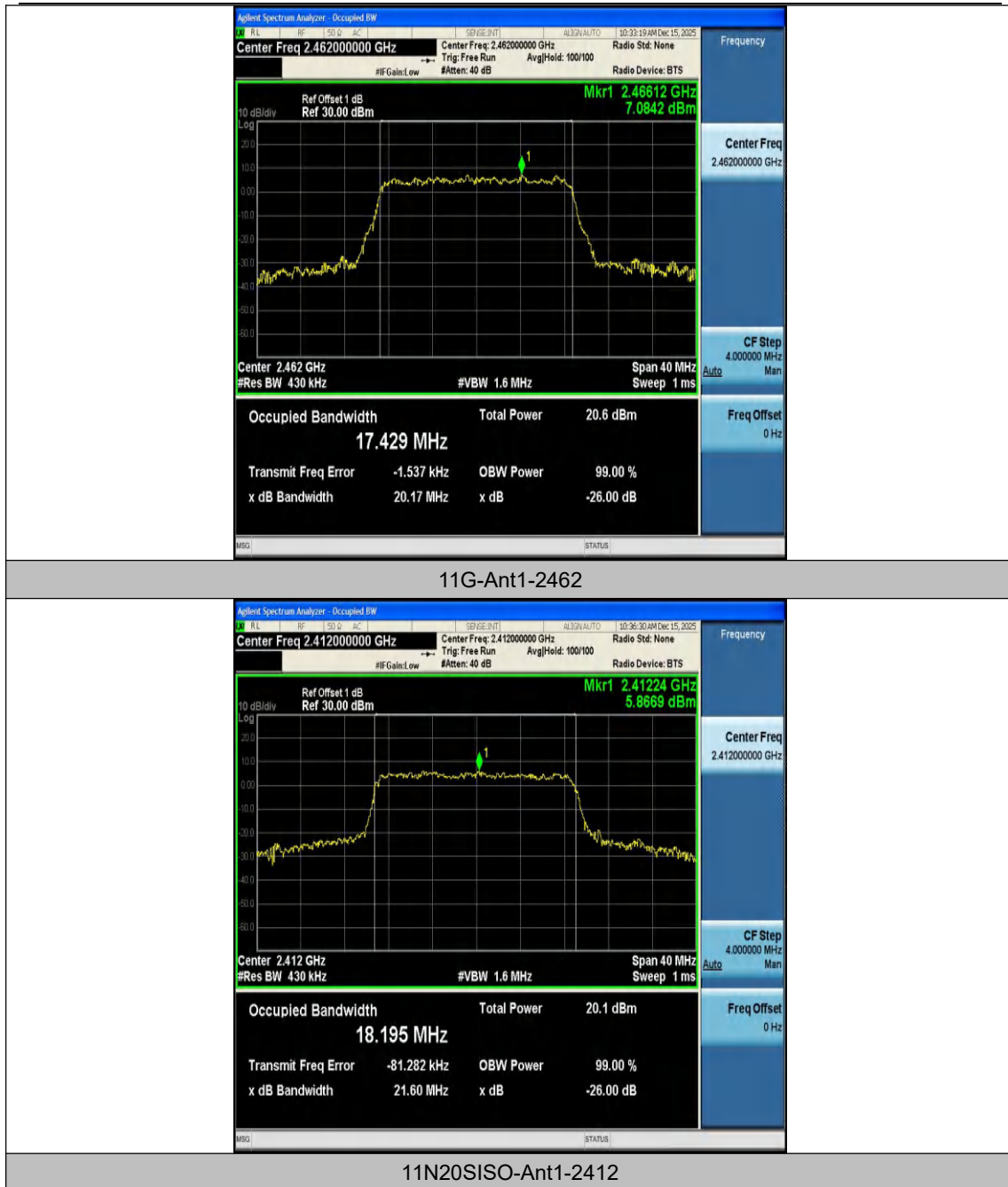




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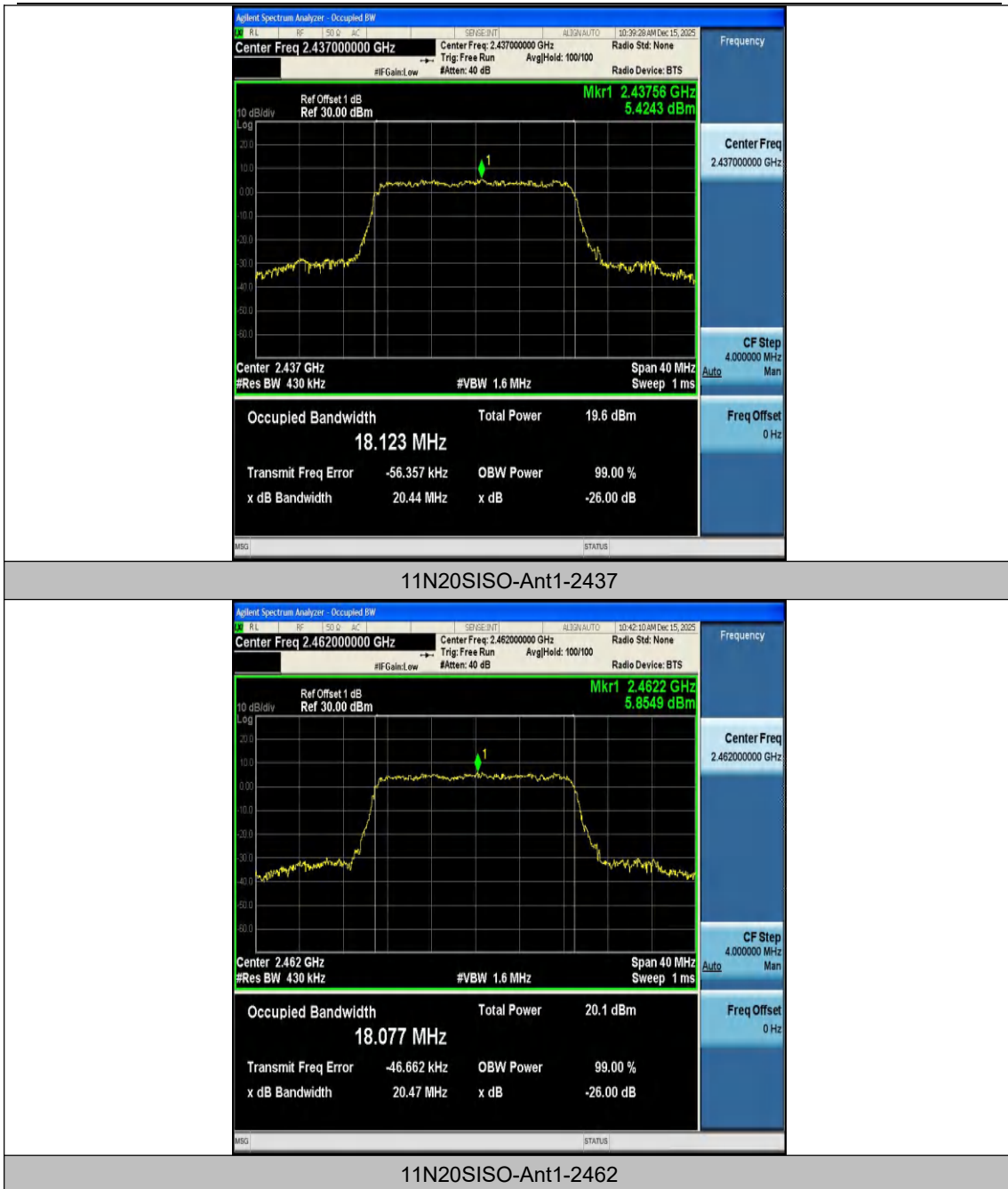
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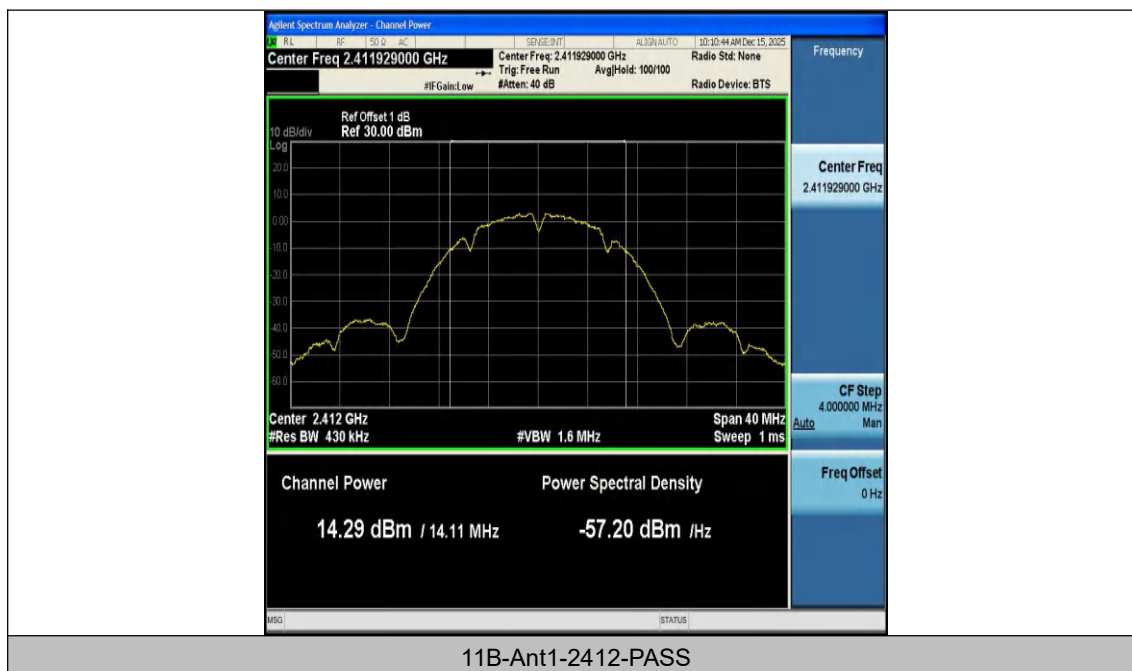
Appendix C: Maximum conducted output power

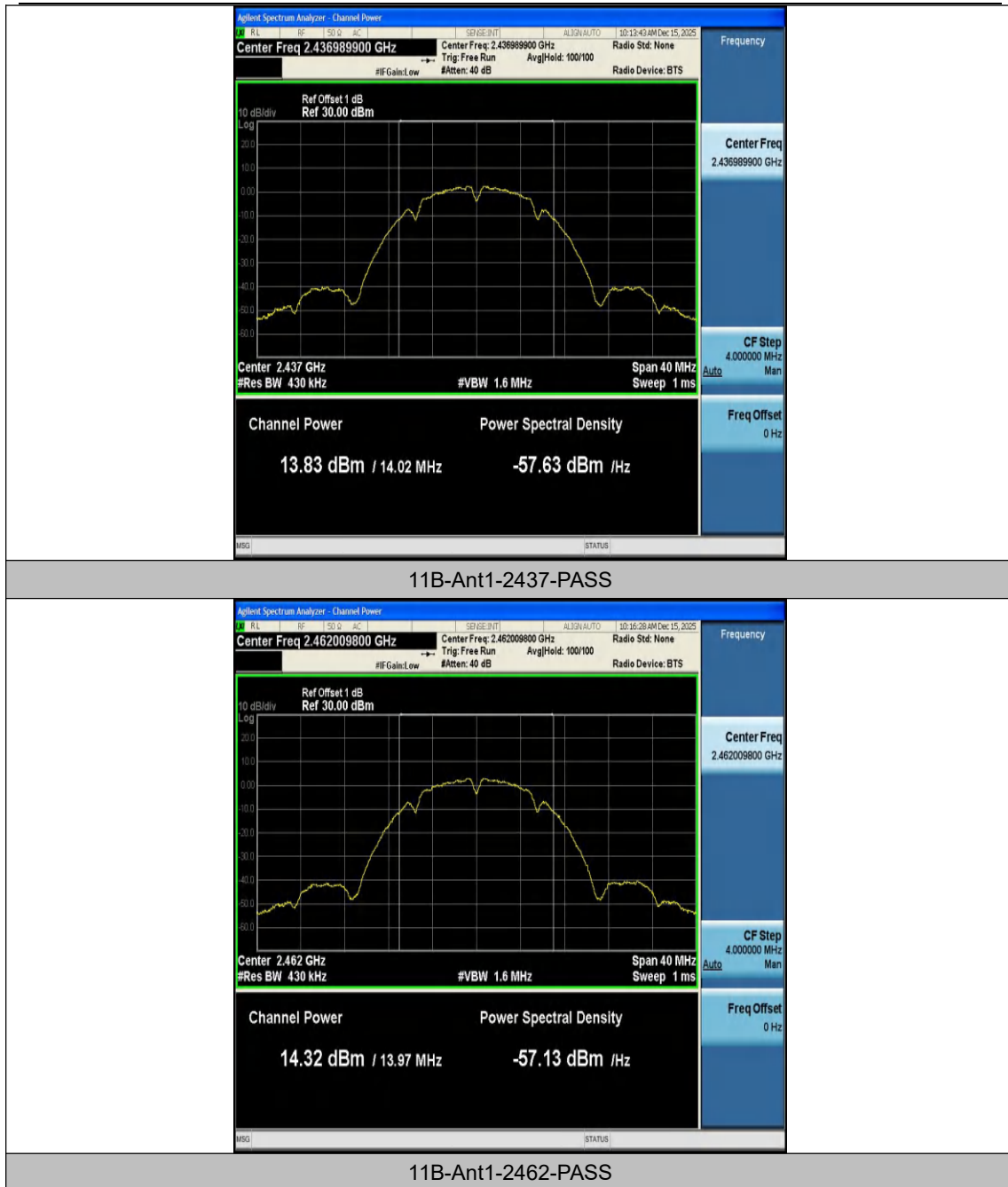
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.29	100.00	0.00	14.29	≤30.00	PASS
11B	Ant1	2437	13.83	100.00	0.00	13.83	≤30.00	PASS
11B	Ant1	2462	14.32	100.00	0.00	14.32	≤30.00	PASS
11G	Ant1	2412	13.81	100.00	0.00	13.81	≤30.00	PASS
11G	Ant1	2437	13.44	100.00	0.00	13.44	≤30.00	PASS
11G	Ant1	2462	13.92	100.00	0.00	13.92	≤30.00	PASS
11N20SISO	Ant1	2412	13.76	100.00	0.00	13.76	≤30.00	PASS
11N20SISO	Ant1	2437	13.25	100.00	0.00	13.25	≤30.00	PASS
11N20SISO	Ant1	2462	13.73	100.00	0.00	13.73	≤30.00	PASS

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

Test Graphs Average

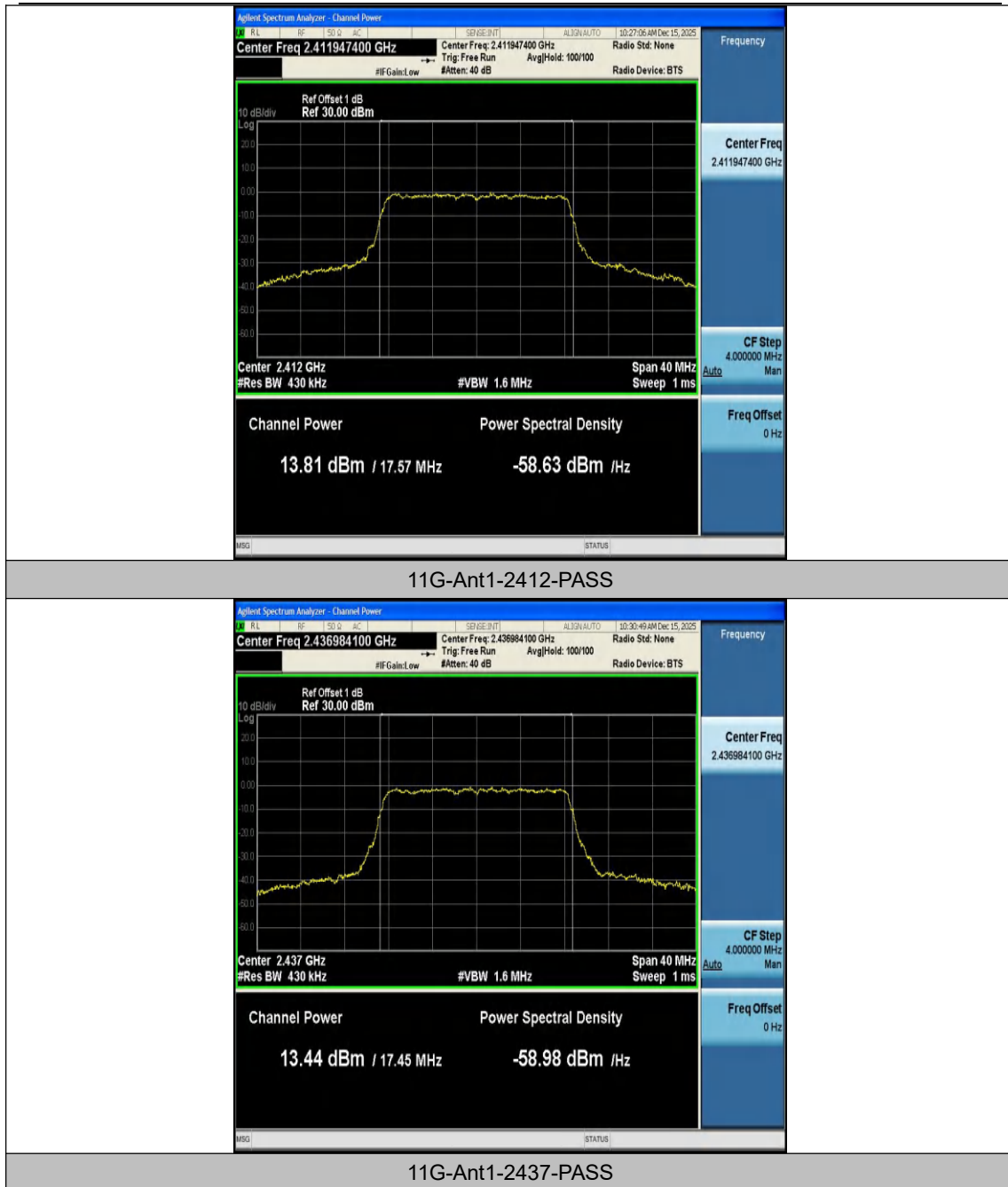




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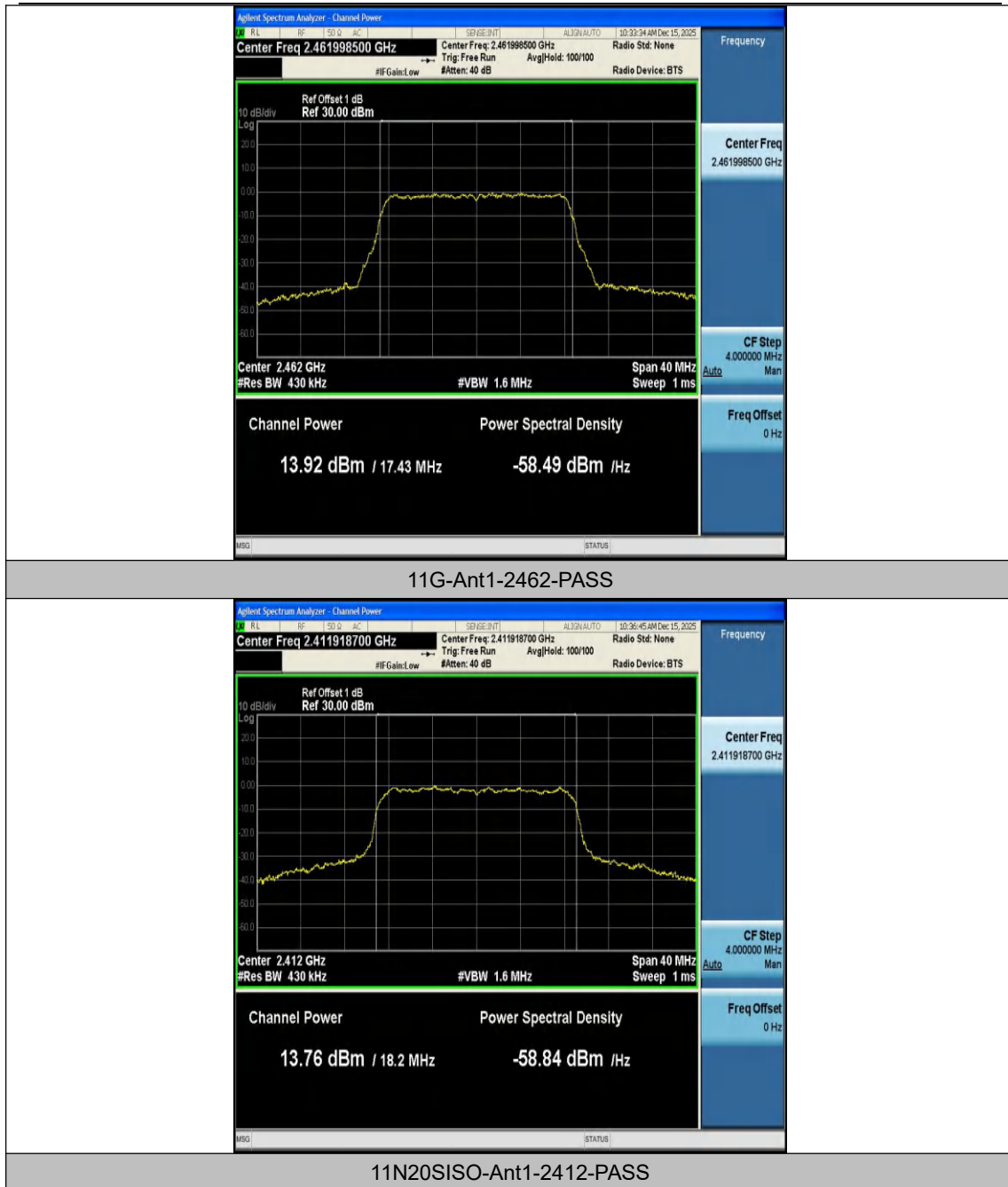
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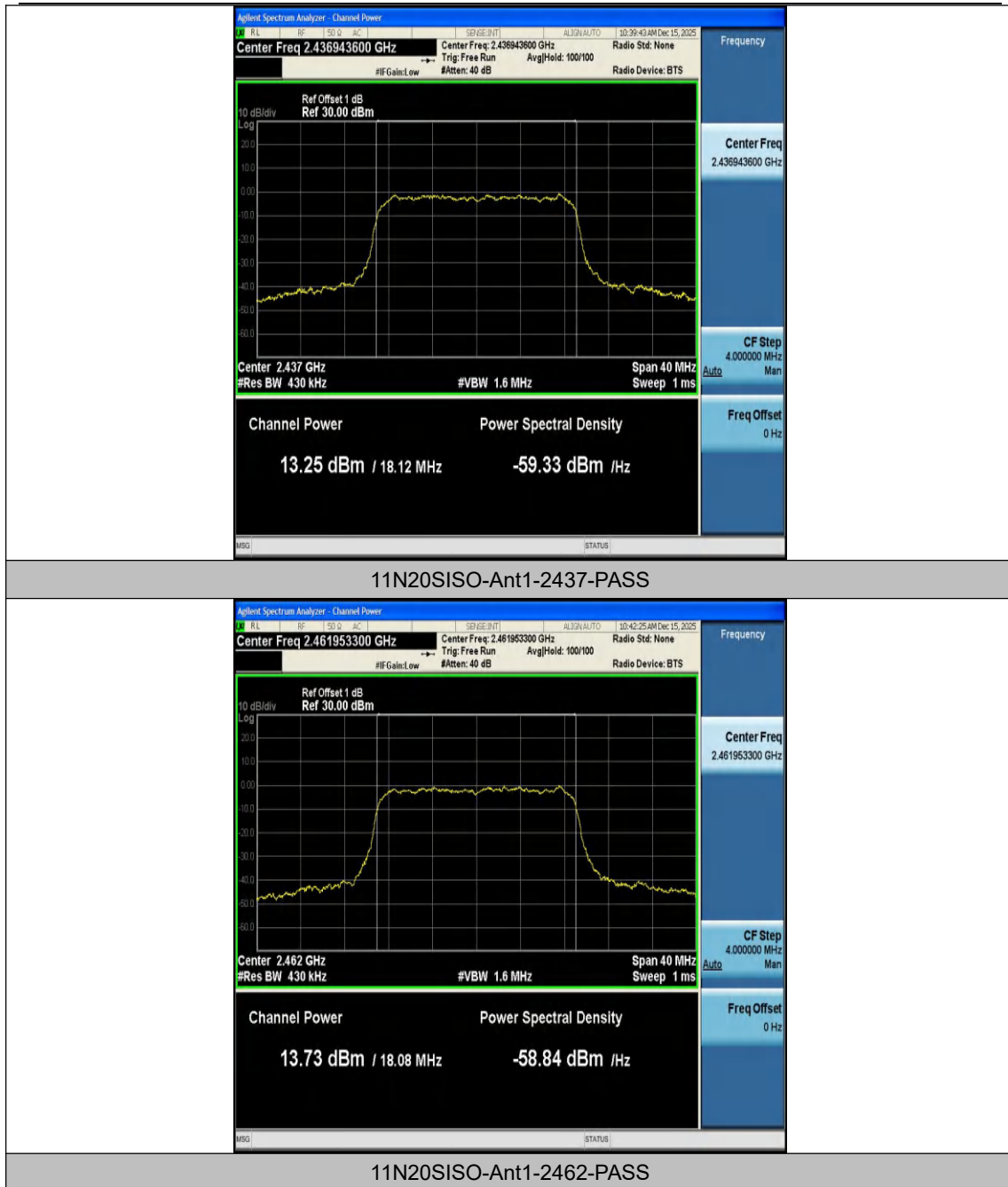
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Appendix D: Maximum power spectral density

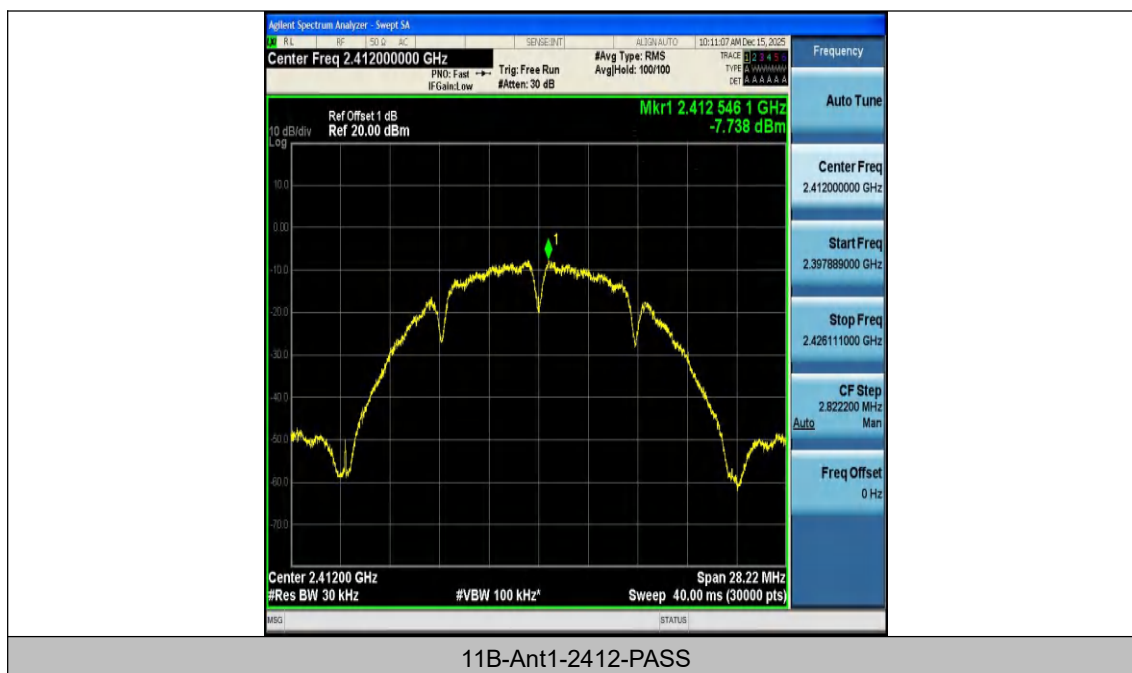
Test Result

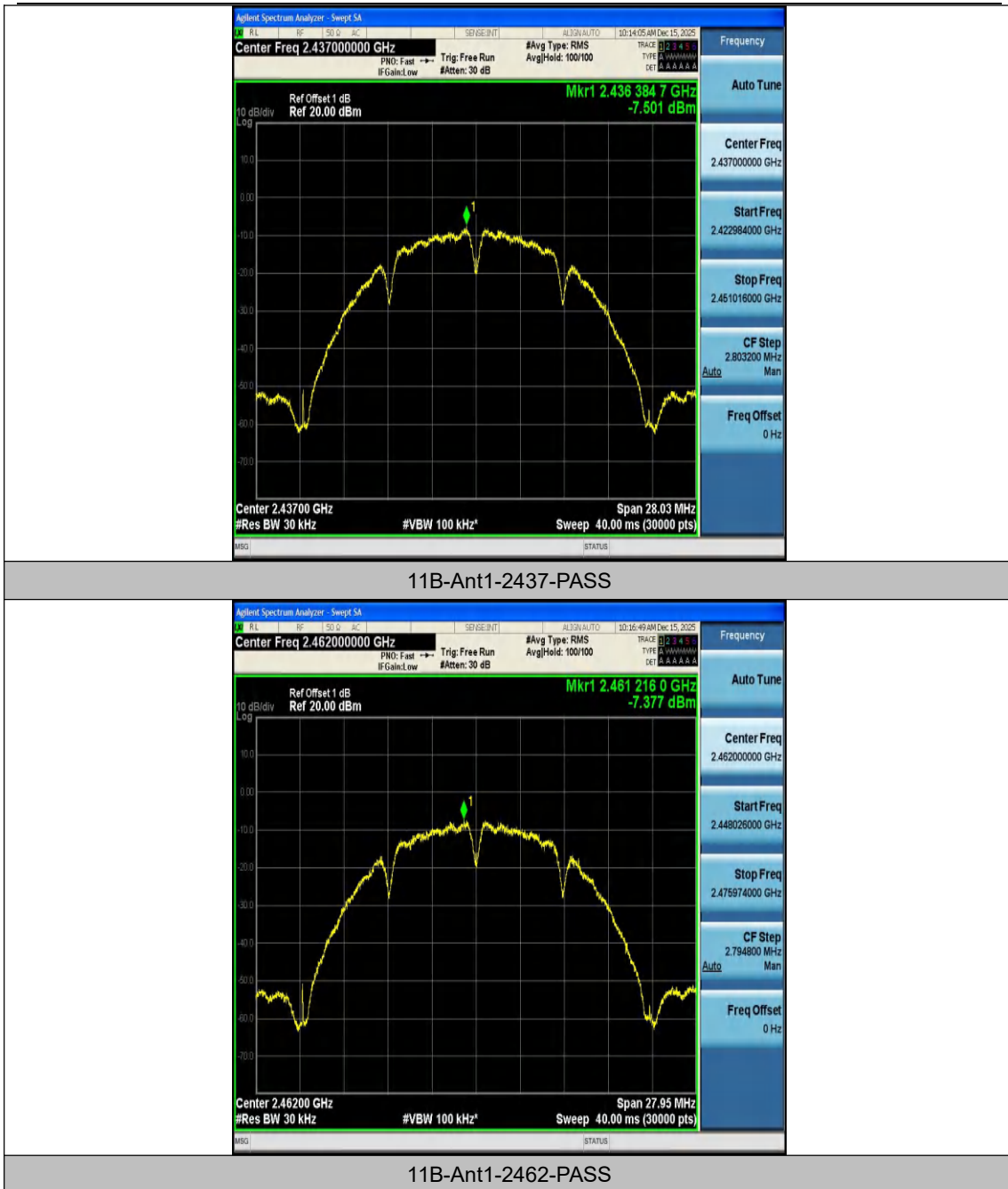
Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.74	≤8.00	PASS
11B	Ant1	2437	-7.50	≤8.00	PASS
11B	Ant1	2462	-7.38	≤8.00	PASS
11G	Ant1	2412	-8.30	≤8.00	PASS
11G	Ant1	2437	-8.90	≤8.00	PASS
11G	Ant1	2462	-7.55	≤8.00	PASS
11N20SISO	Ant1	2412	-7.77	≤8.00	PASS
11N20SISO	Ant1	2437	-7.71	≤8.00	PASS
11N20SISO	Ant1	2462	-6.52	≤8.00	PASS

Note:

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

Test Graphs

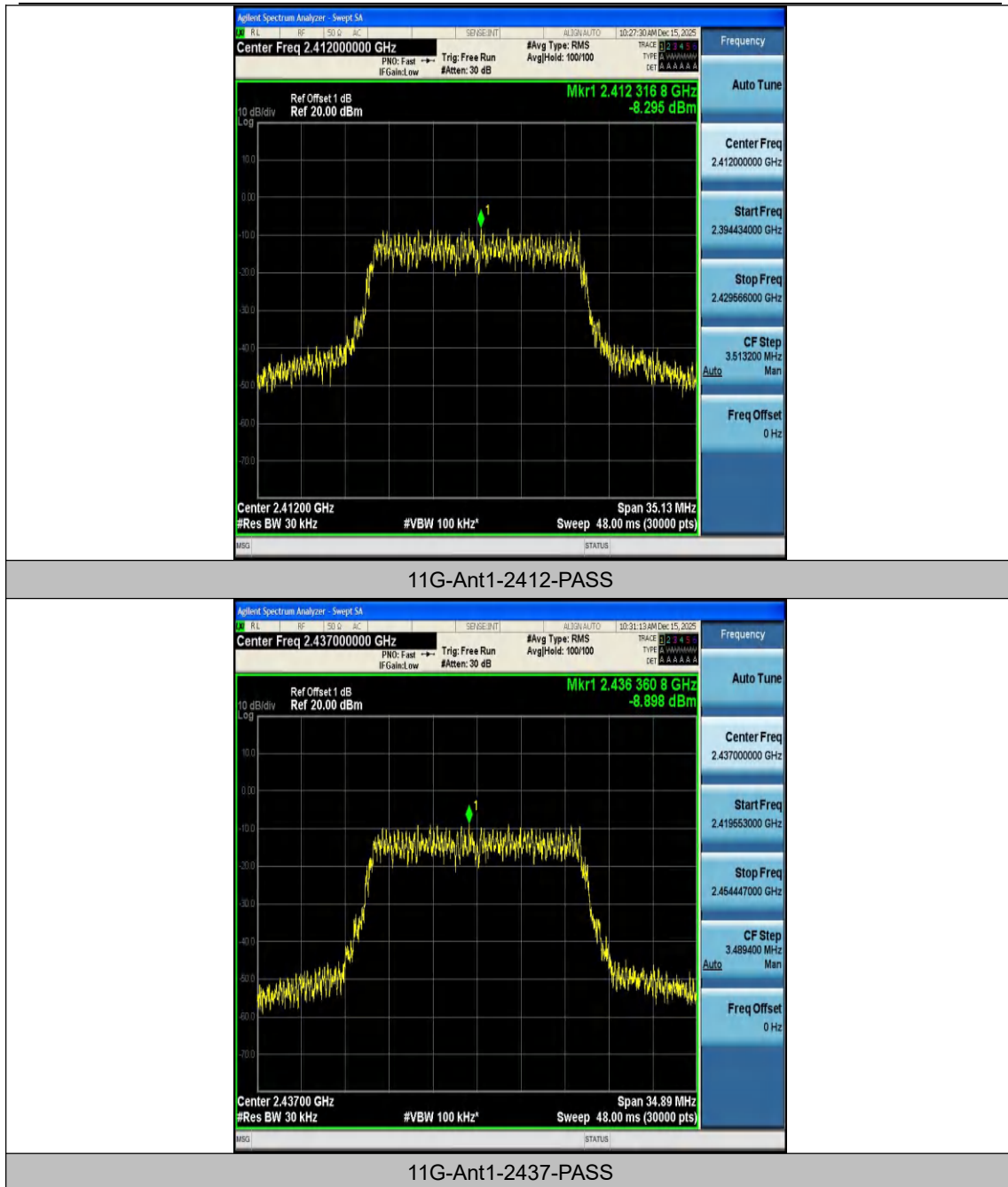




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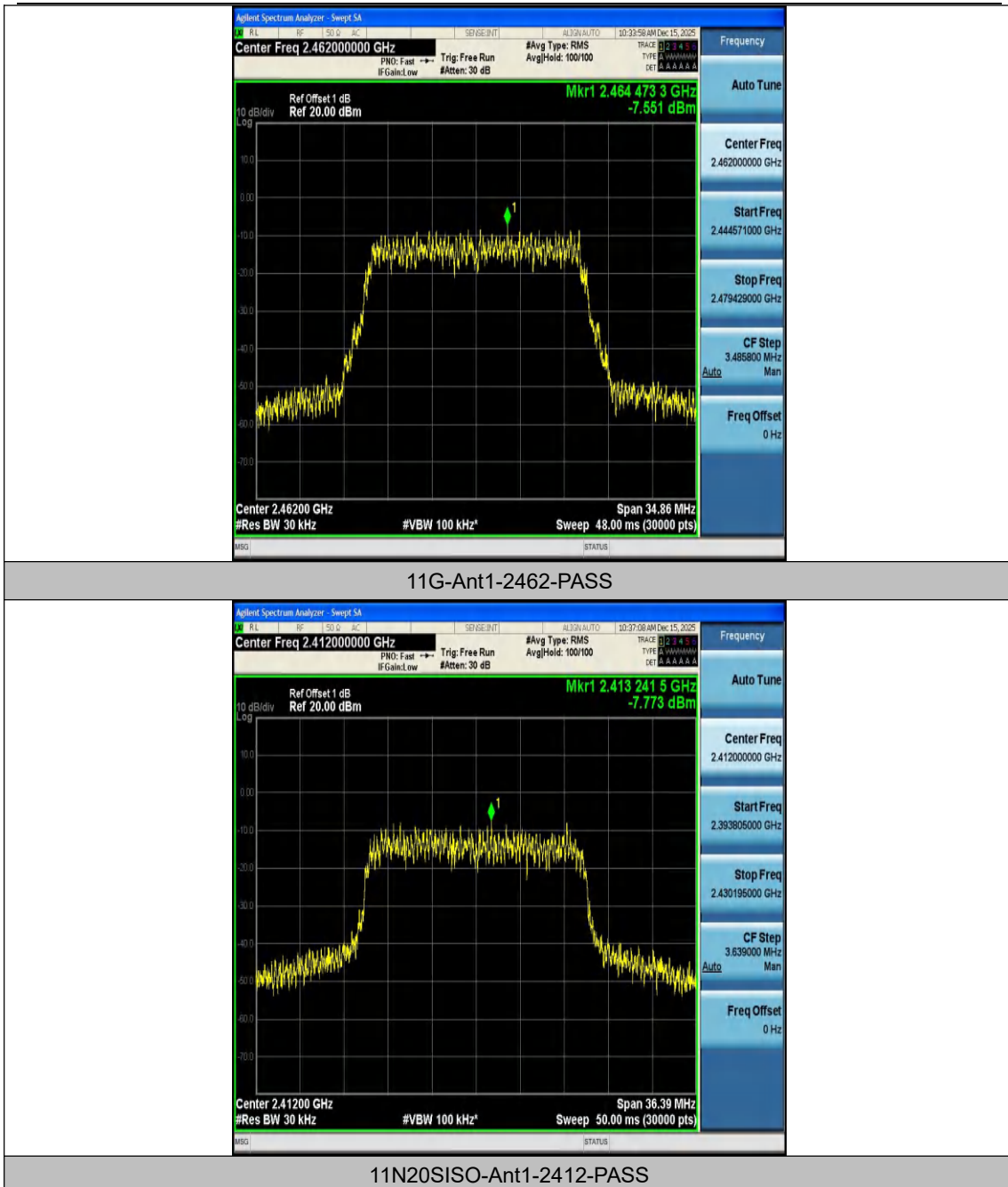
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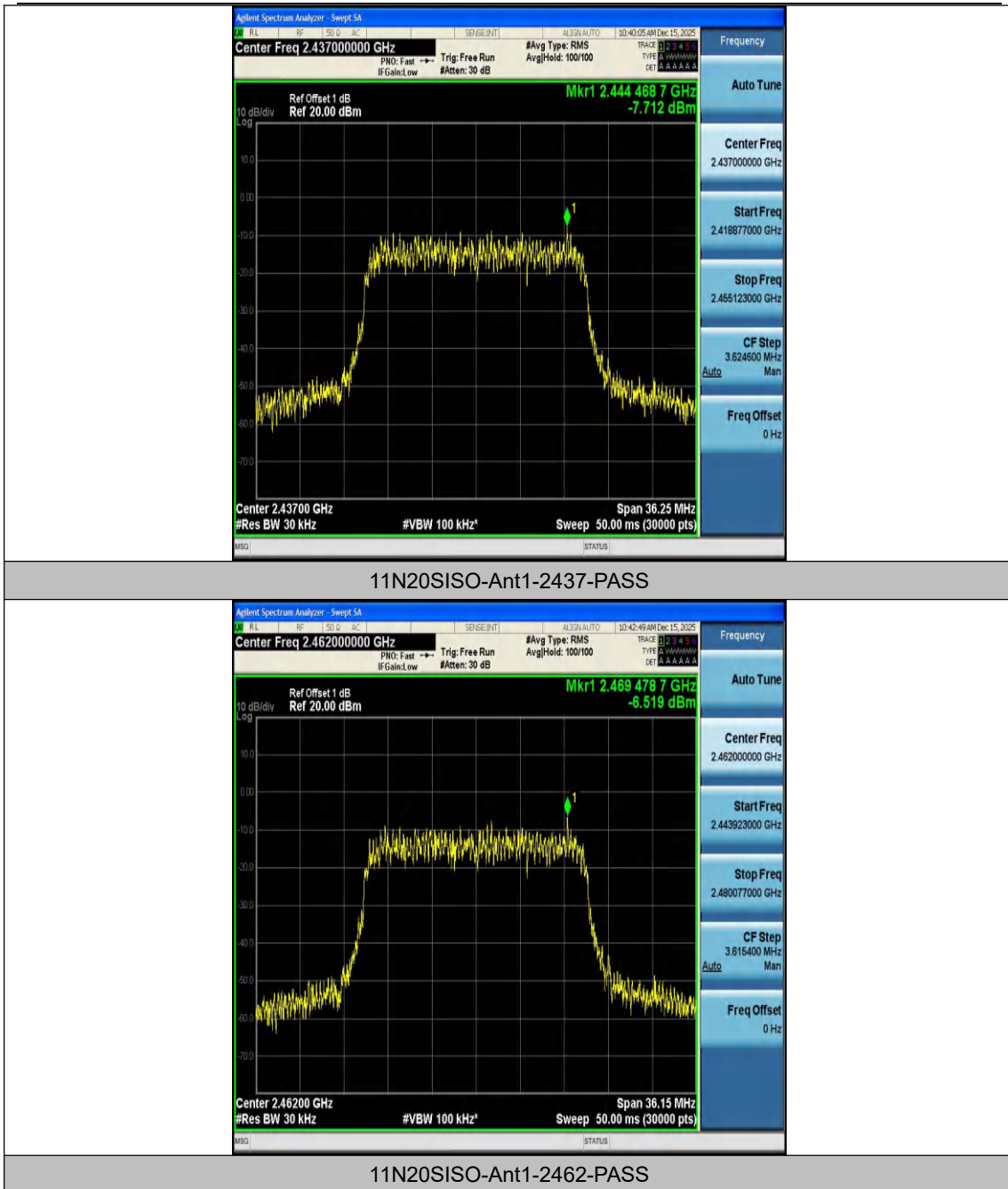
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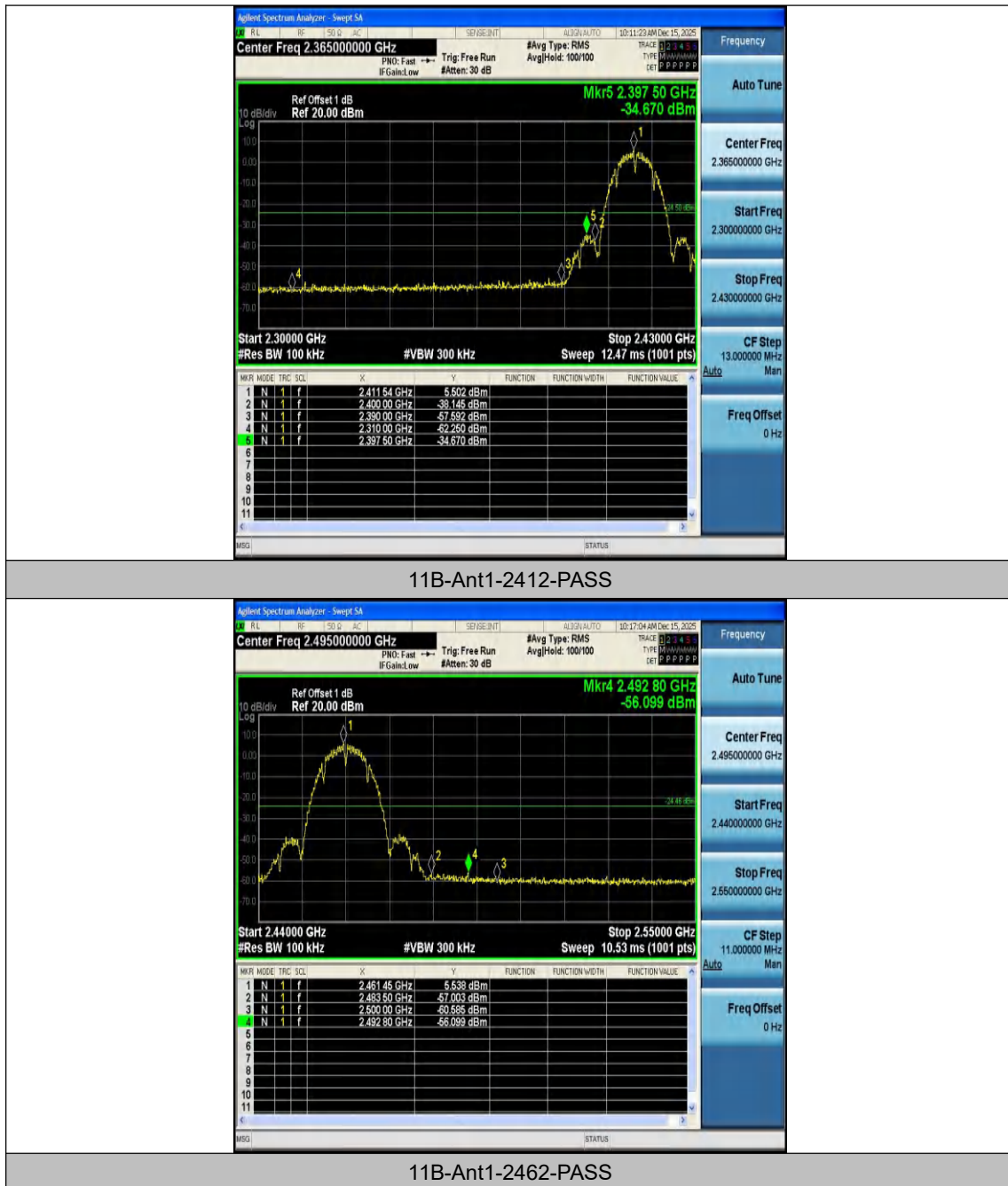
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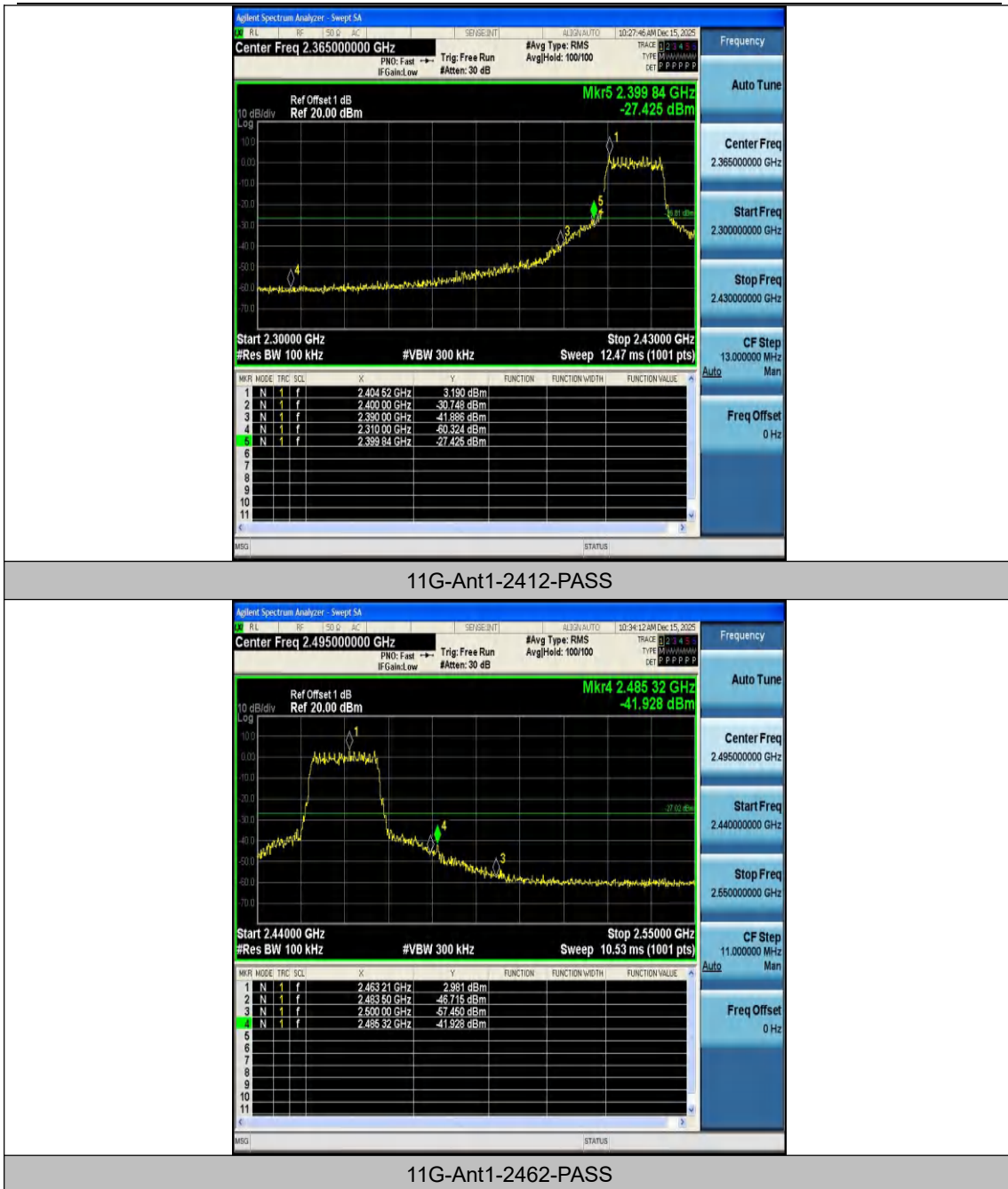
Appendix E: Conducted Band edge

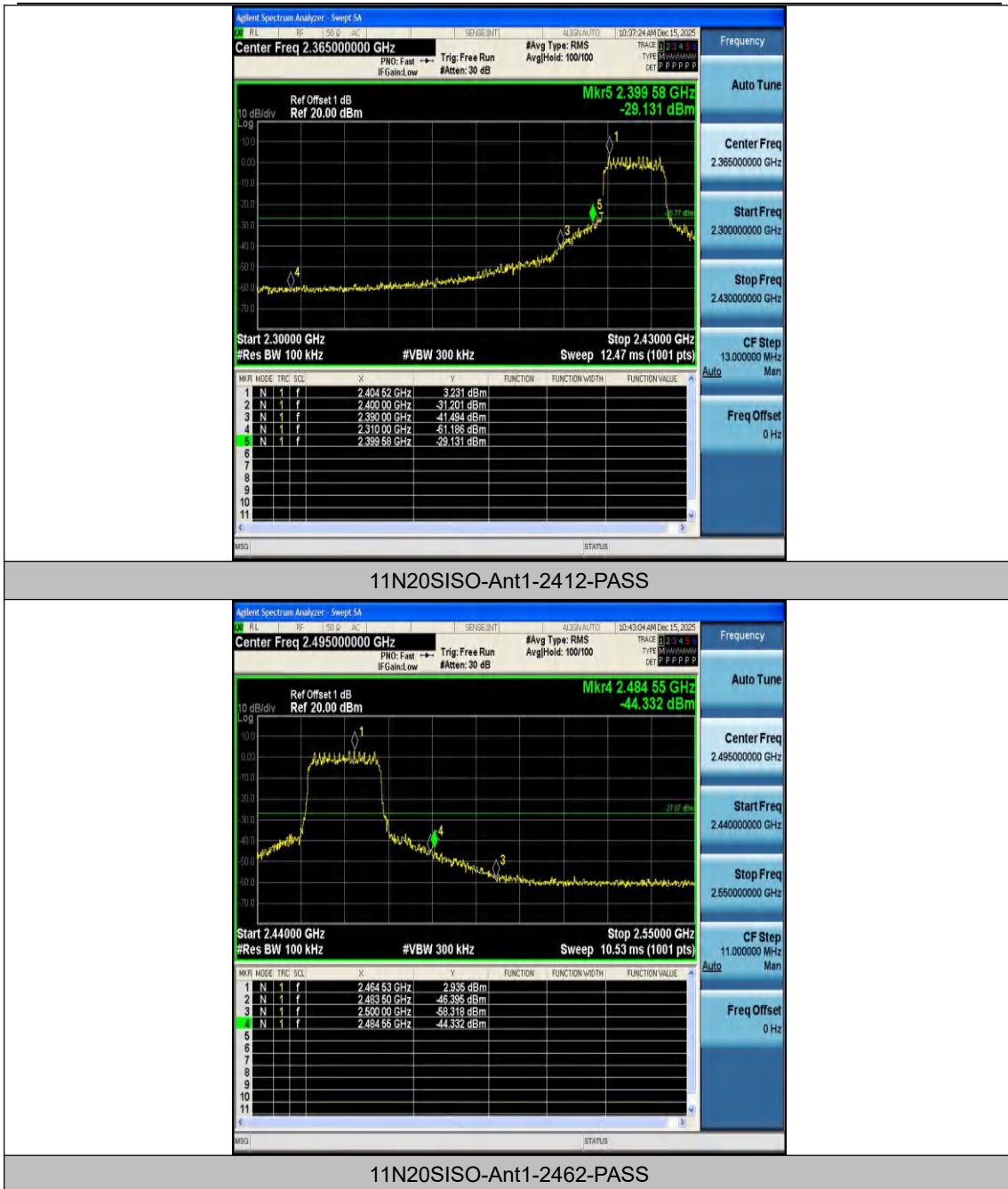
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.50	-34.67	≤-24.5	PASS
11B	Ant1	High	2462	5.54	-56.1	≤-24.46	PASS
11G	Ant1	Low	2412	3.19	-27.43	≤-26.81	PASS
11G	Ant1	High	2462	2.98	-41.93	≤-27.02	PASS
11N20SISO	Ant1	Low	2412	3.23	-29.13	≤-26.77	PASS
11N20SISO	Ant1	High	2462	2.94	-44.33	≤-27.07	PASS

Test Graphs







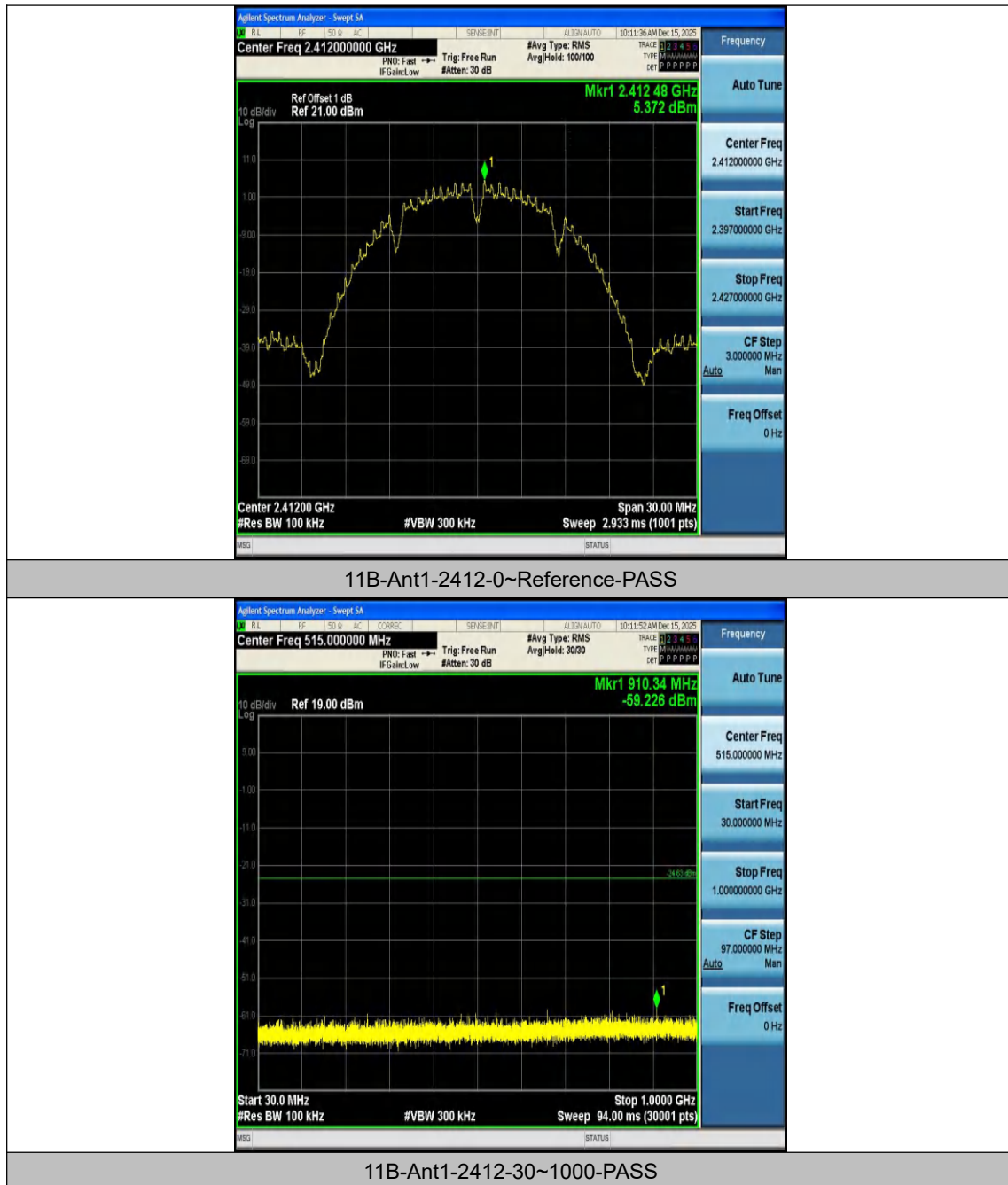
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.37	5.37	---	PASS
11B	Ant1	2412	30~1000	5.37	-59.23	≤-24.63	PASS
11B	Ant1	2412	1000~26500	5.37	-45.65	≤-24.63	PASS
11B	Ant1	2437	0~Reference	4.77	4.77	---	PASS
11B	Ant1	2437	30~1000	4.77	-59.57	≤-25.23	PASS
11B	Ant1	2437	1000~26500	4.77	-46.03	≤-25.23	PASS
11B	Ant1	2462	0~Reference	5.52	5.52	---	PASS
11B	Ant1	2462	30~1000	5.52	-60.04	≤-24.48	PASS
11B	Ant1	2462	1000~26500	5.52	-45.31	≤-24.48	PASS
11G	Ant1	2412	0~Reference	3.03	3.03	---	PASS
11G	Ant1	2412	30~1000	3.03	-59.99	≤-26.97	PASS
11G	Ant1	2412	1000~26500	3.03	-45.94	≤-26.97	PASS
11G	Ant1	2437	0~Reference	2.45	2.45	---	PASS
11G	Ant1	2437	30~1000	2.45	-59.35	≤-27.55	PASS
11G	Ant1	2437	1000~26500	2.45	-46.28	≤-27.55	PASS
11G	Ant1	2462	0~Reference	2.90	2.90	---	PASS
11G	Ant1	2462	30~1000	2.90	-59.66	≤-27.1	PASS
11G	Ant1	2462	1000~26500	2.90	-46.57	≤-27.1	PASS
11N20SISO	Ant1	2412	0~Reference	3.20	3.20	---	PASS
11N20SISO	Ant1	2412	30~1000	3.20	-59.42	≤-26.8	PASS
11N20SISO	Ant1	2412	1000~26500	3.20	-46.75	≤-26.8	PASS
11N20SISO	Ant1	2437	0~Reference	2.31	2.31	---	PASS
11N20SISO	Ant1	2437	30~1000	2.31	-59.61	≤-27.69	PASS
11N20SISO	Ant1	2437	1000~26500	2.31	-46.76	≤-27.69	PASS
11N20SISO	Ant1	2462	0~Reference	2.85	2.85	---	PASS
11N20SISO	Ant1	2462	30~1000	2.85	-59.91	≤-27.15	PASS
11N20SISO	Ant1	2462	1000~26500	2.85	-46.33	≤-27.15	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

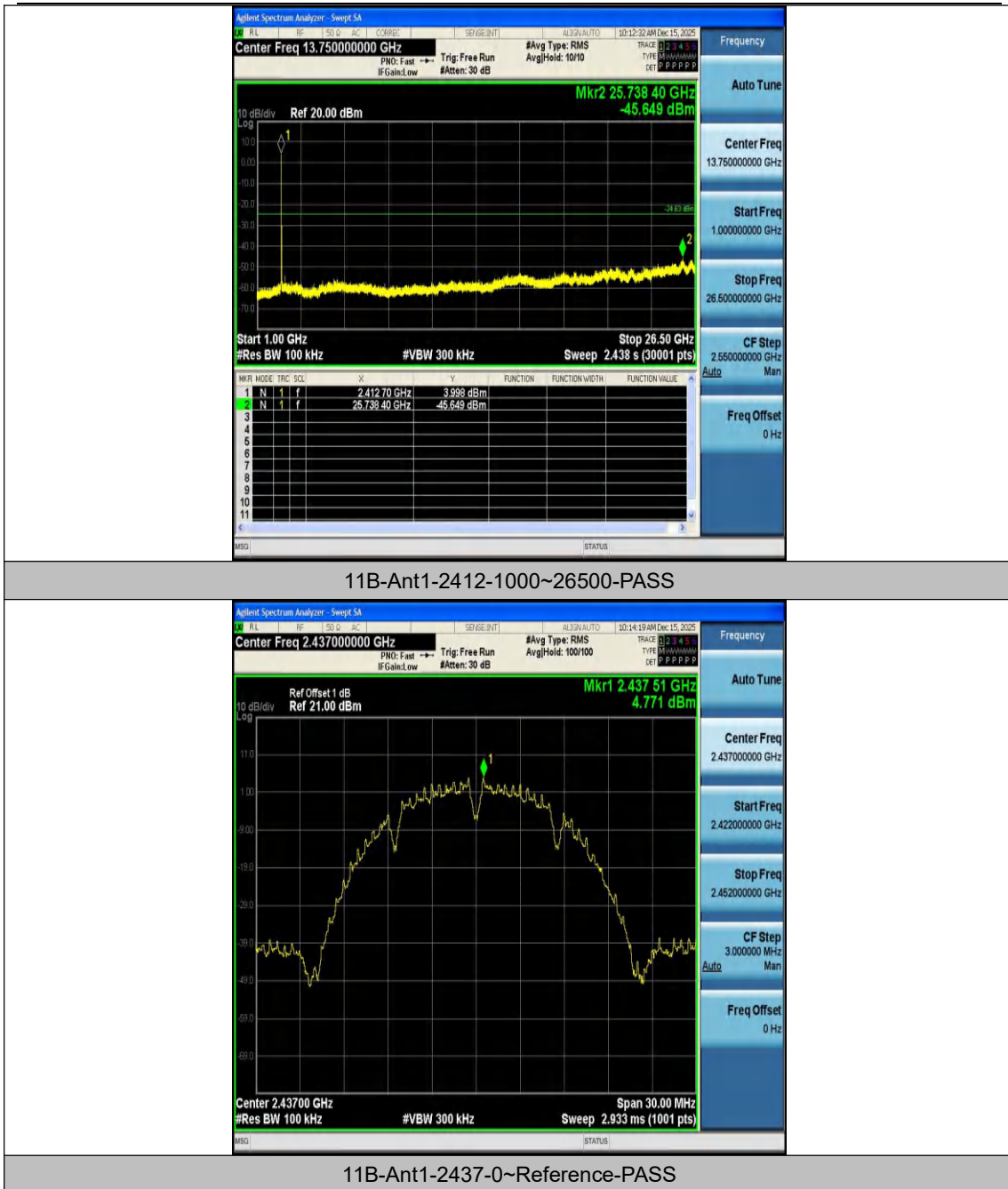
Test Graphs



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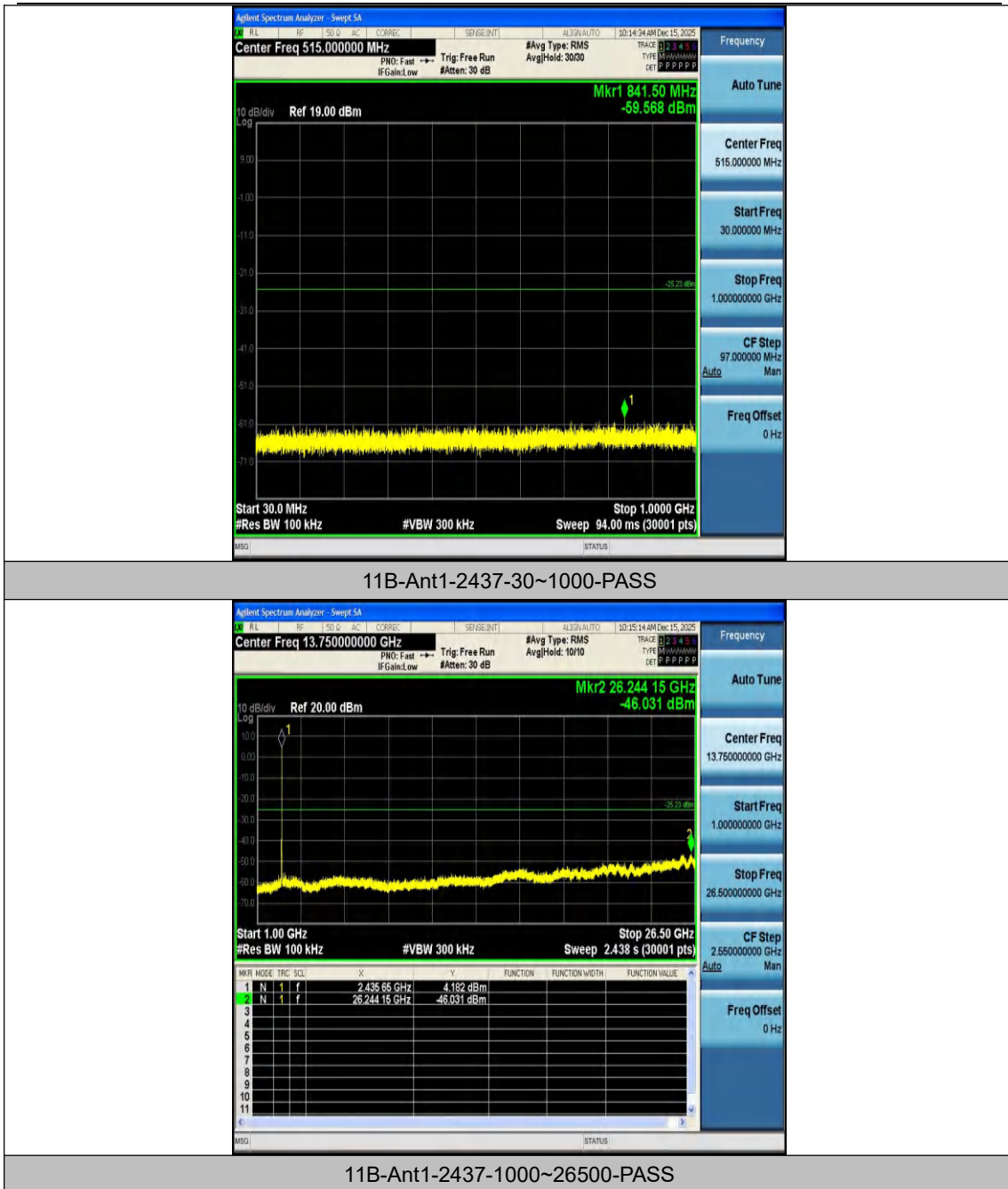
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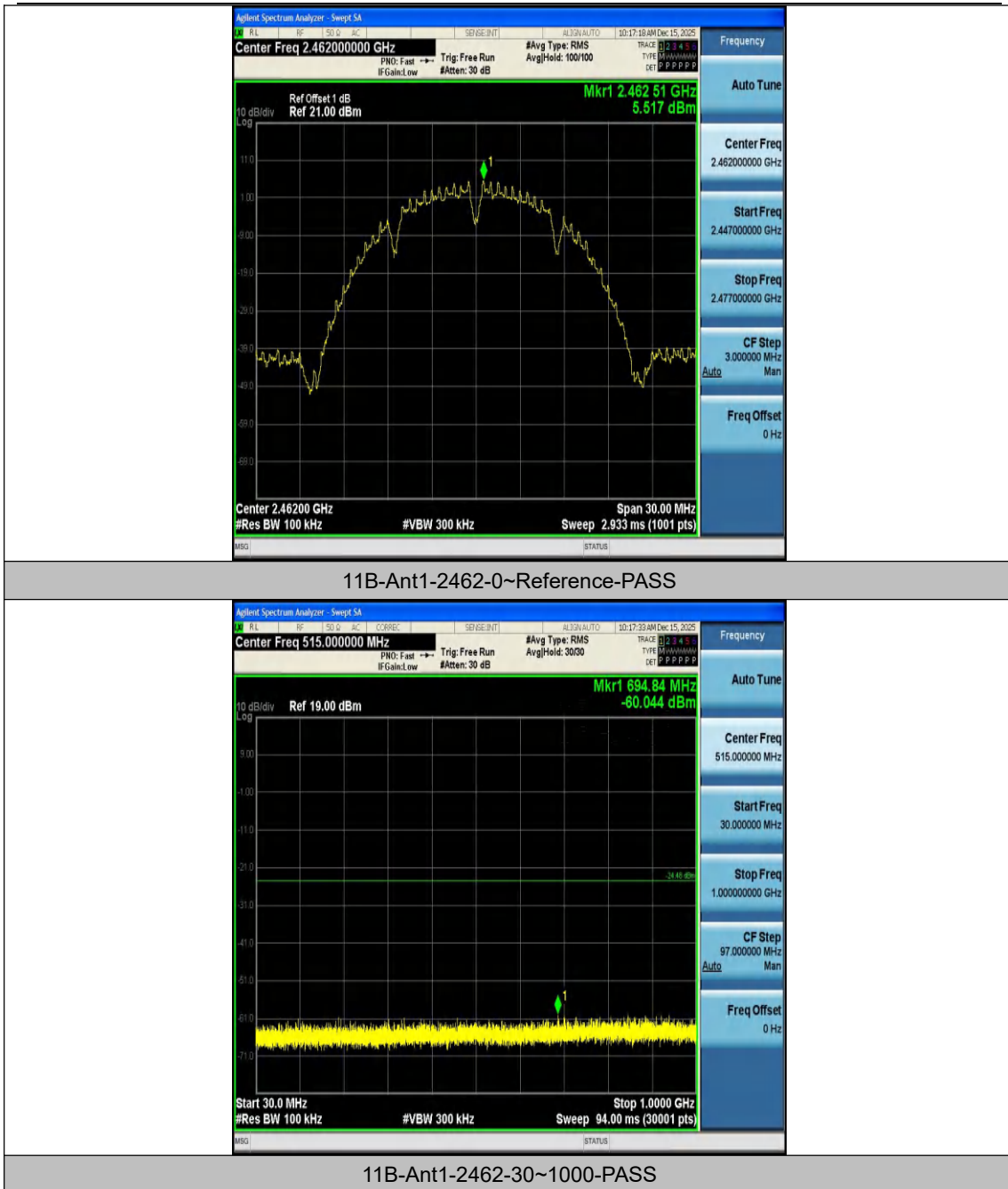
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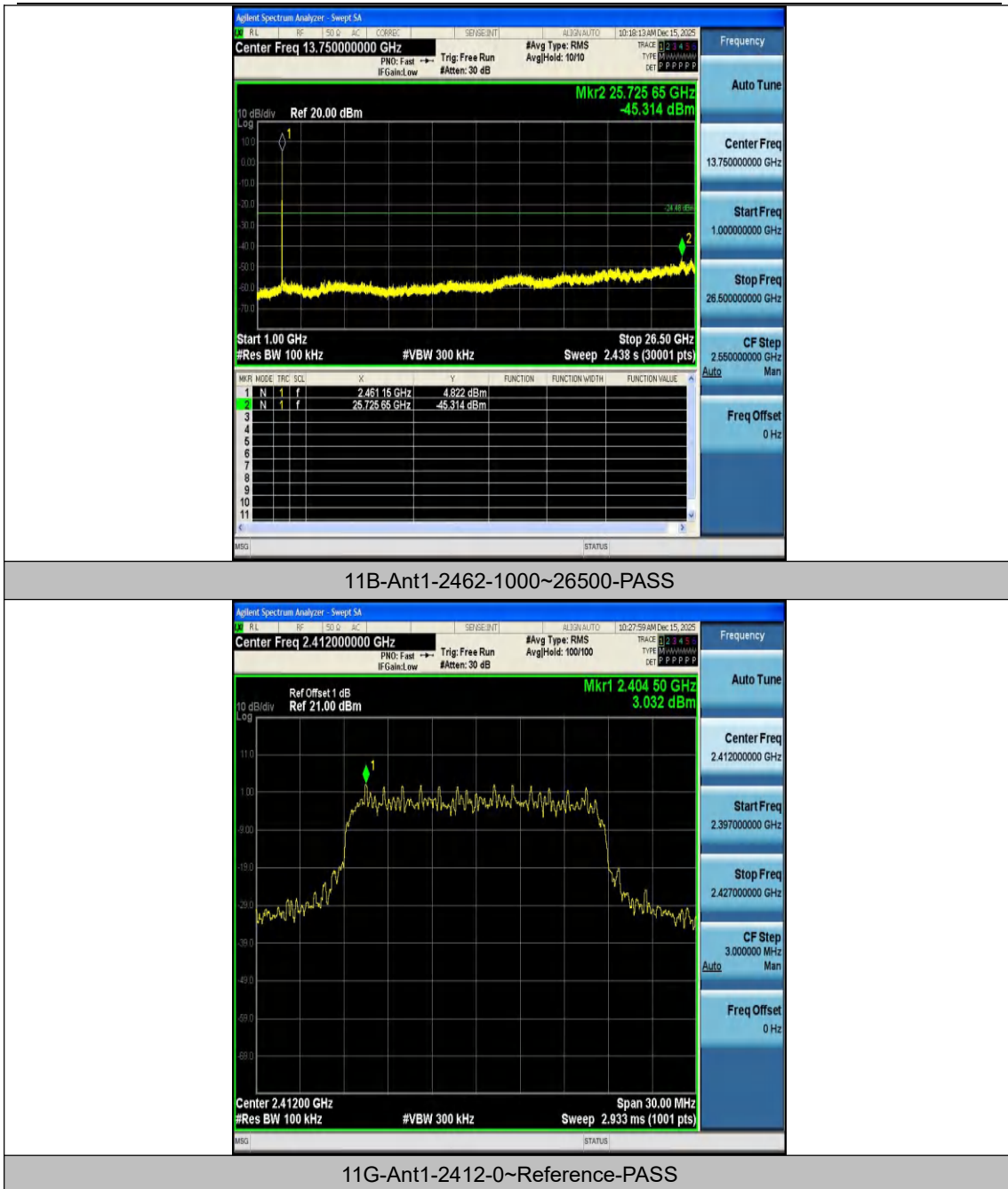
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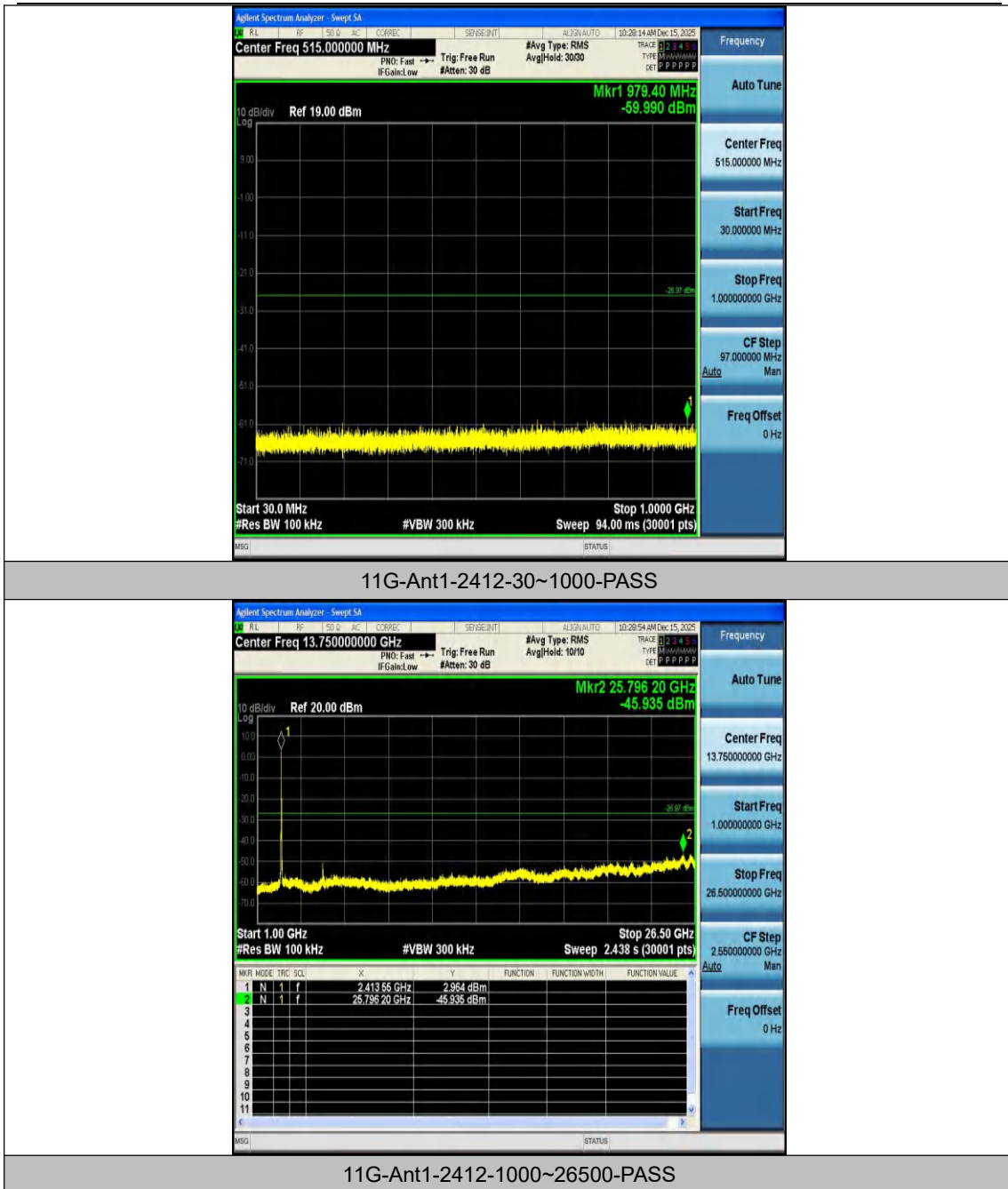
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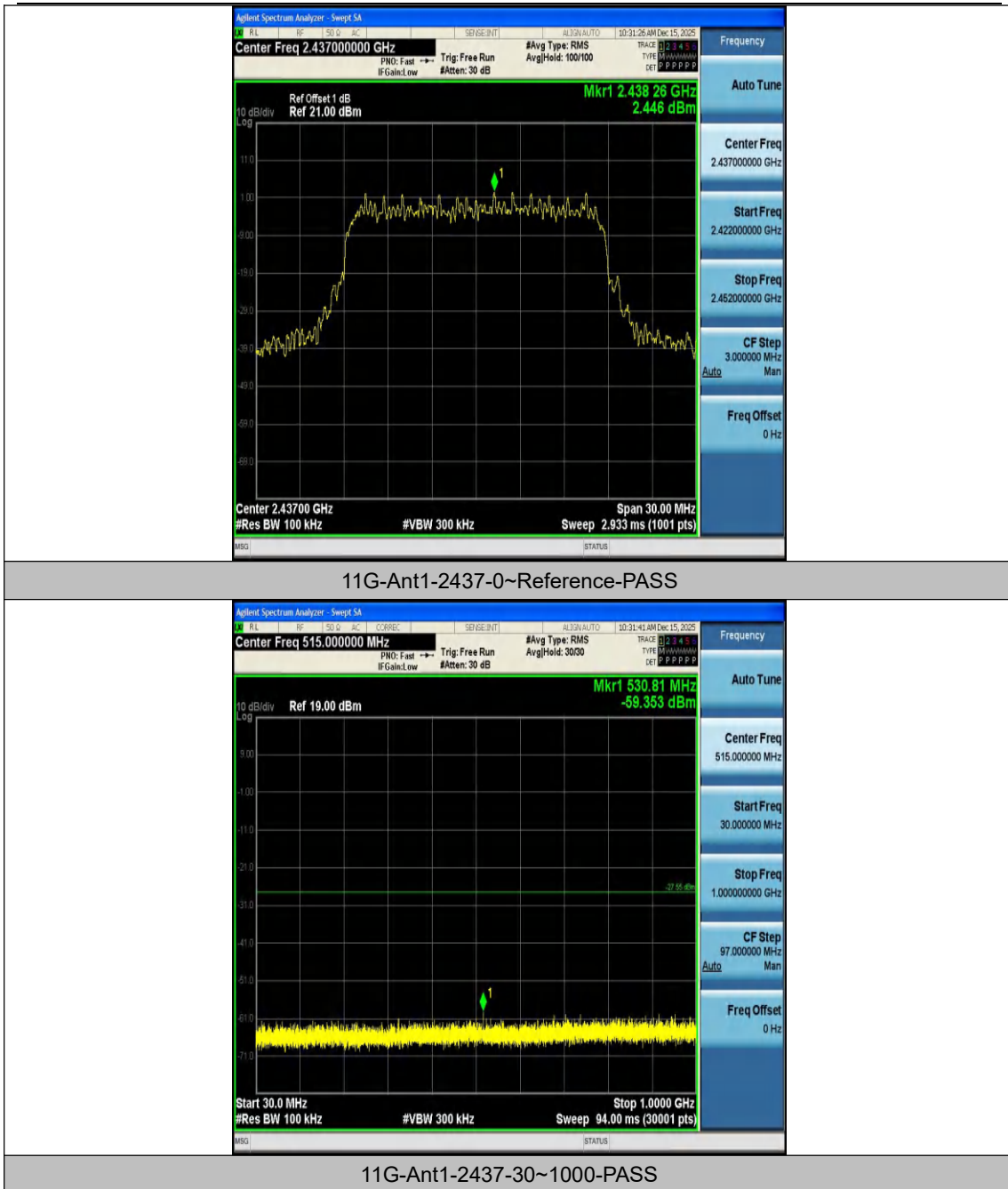
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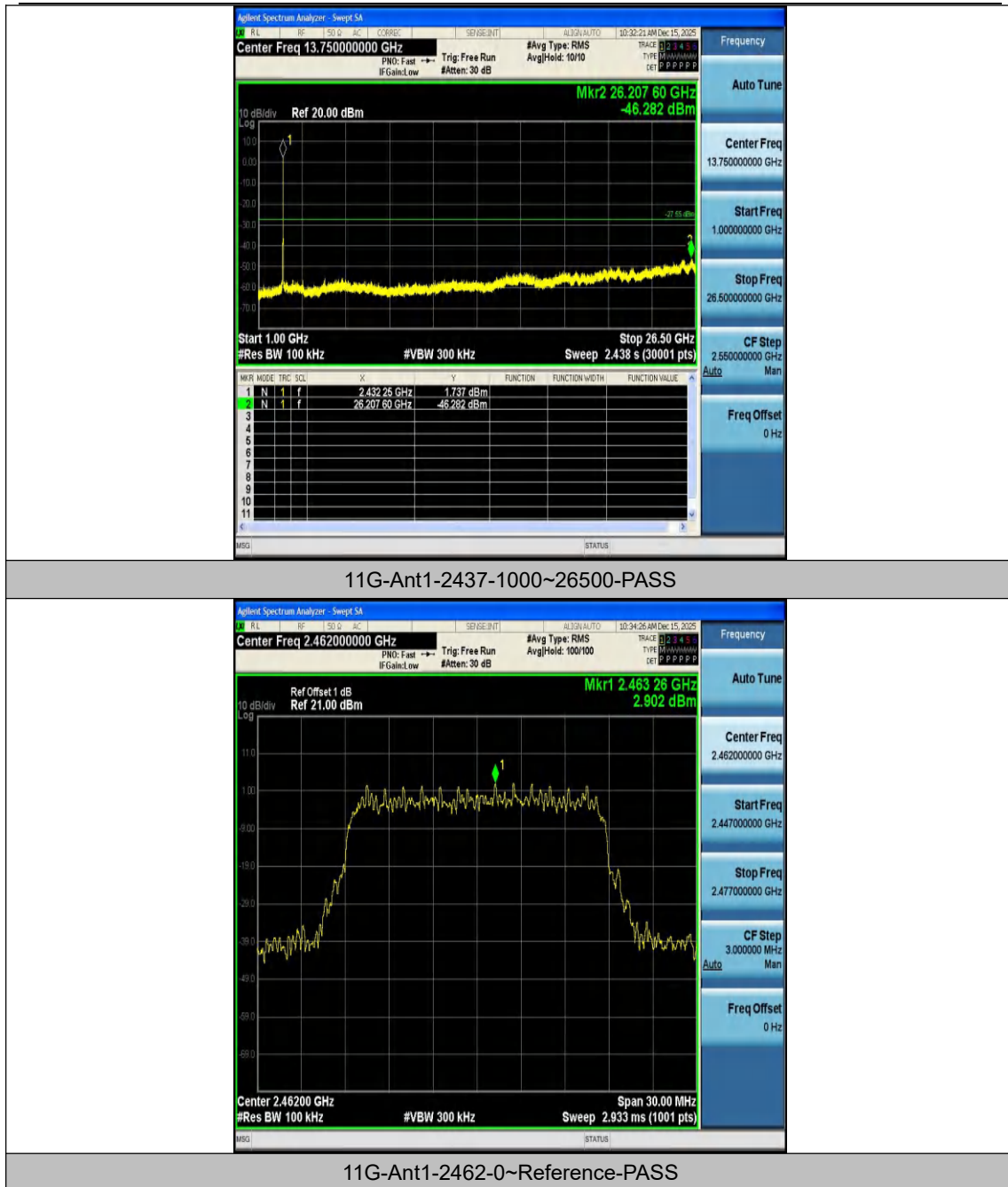
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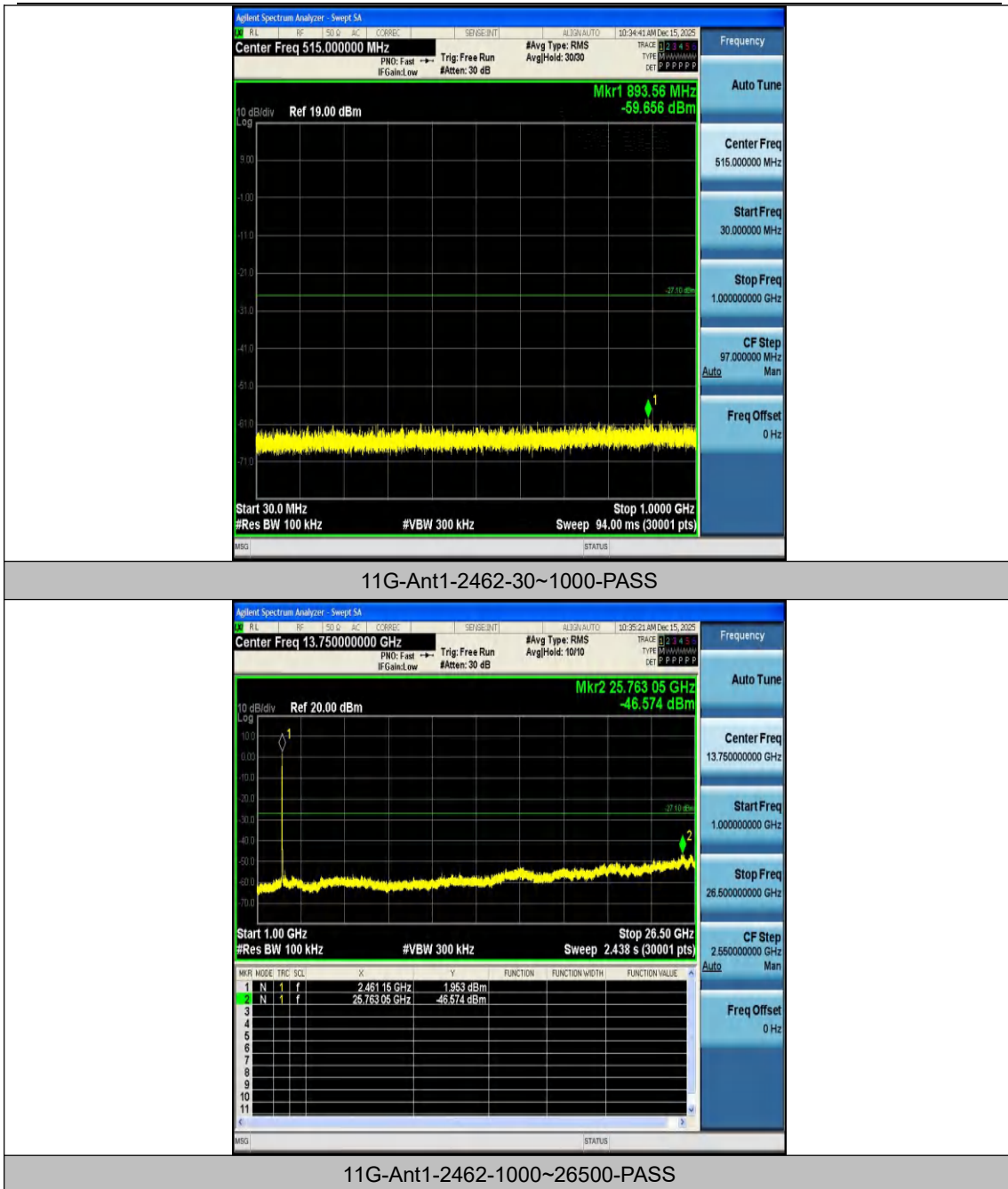
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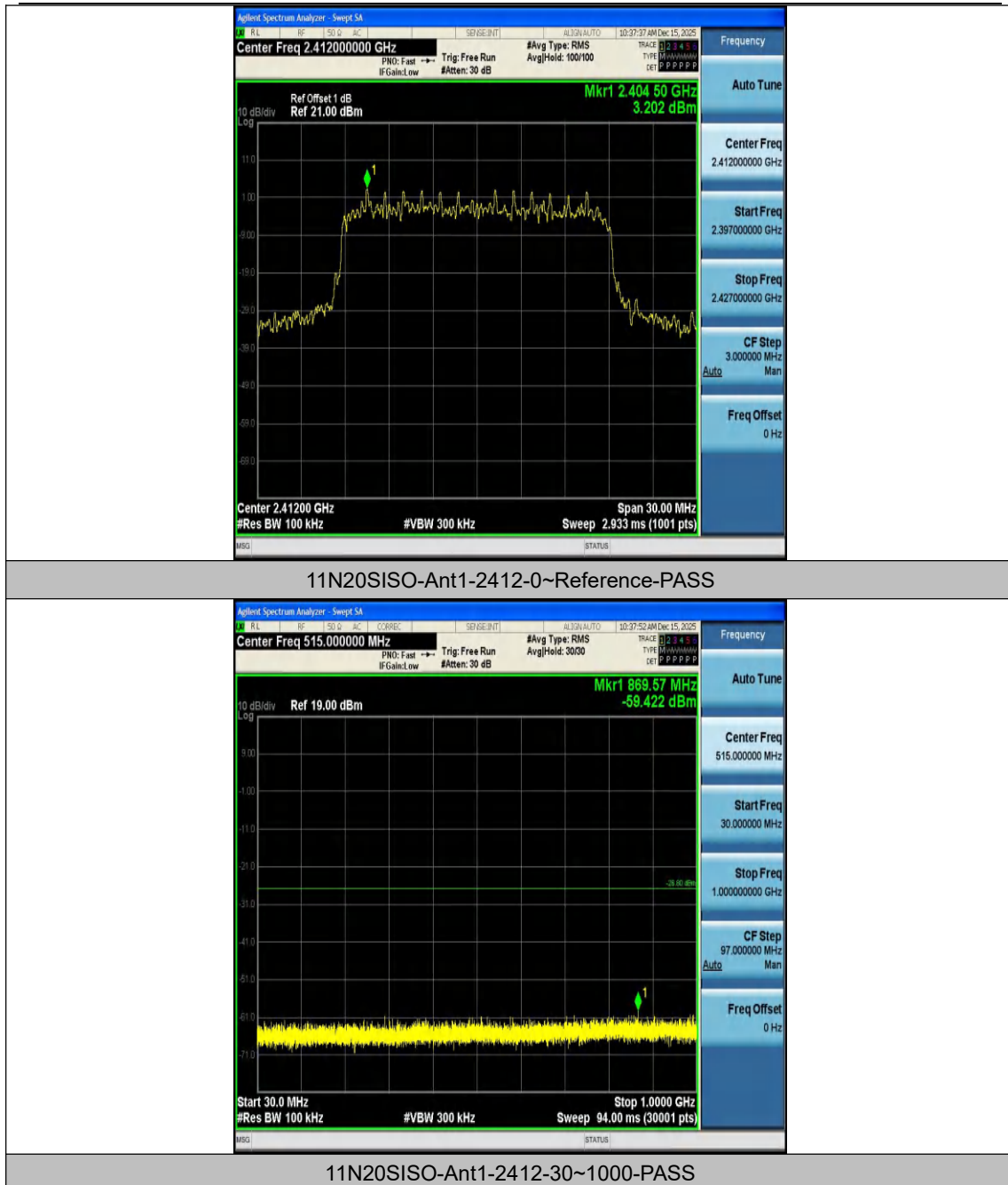
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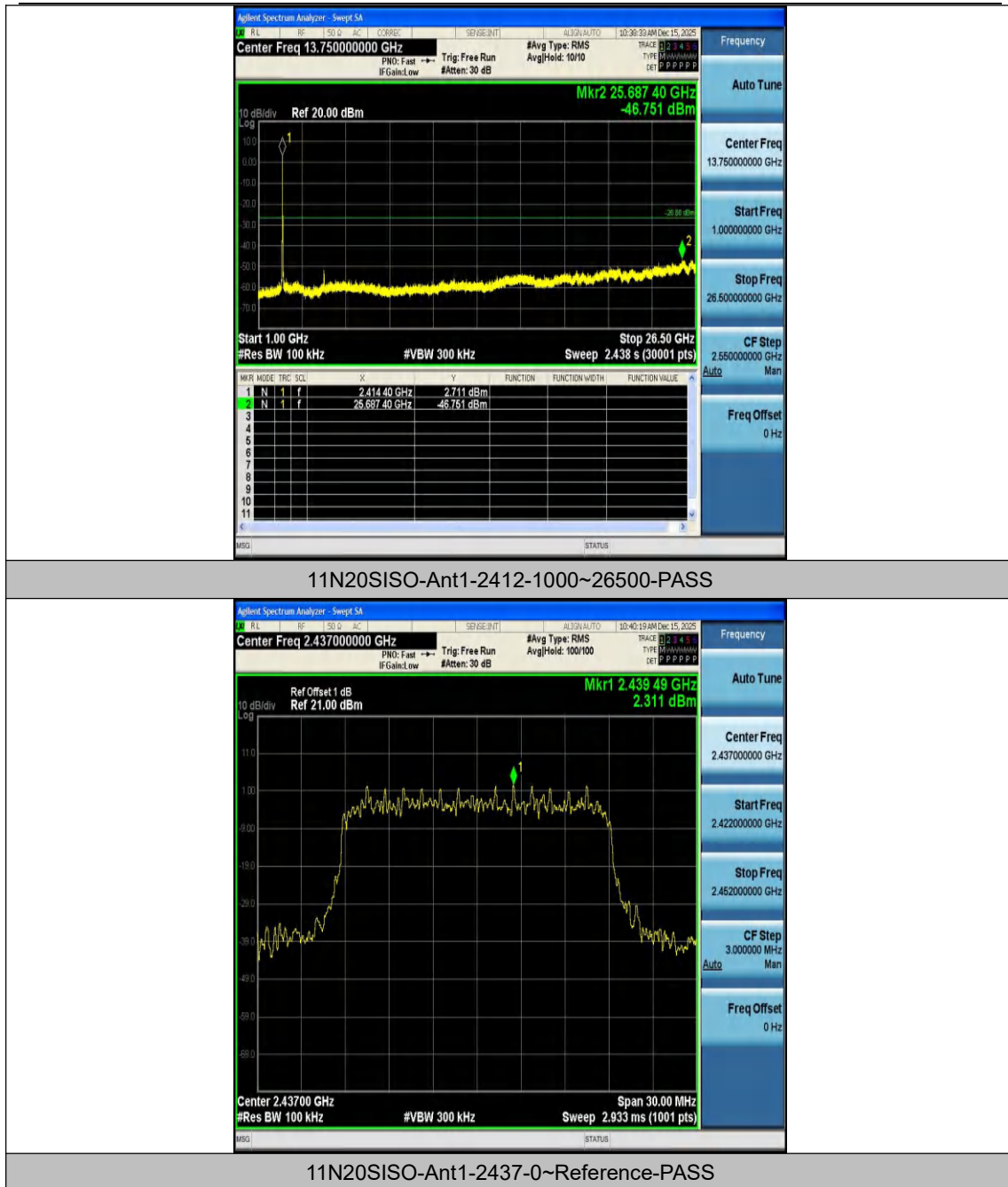
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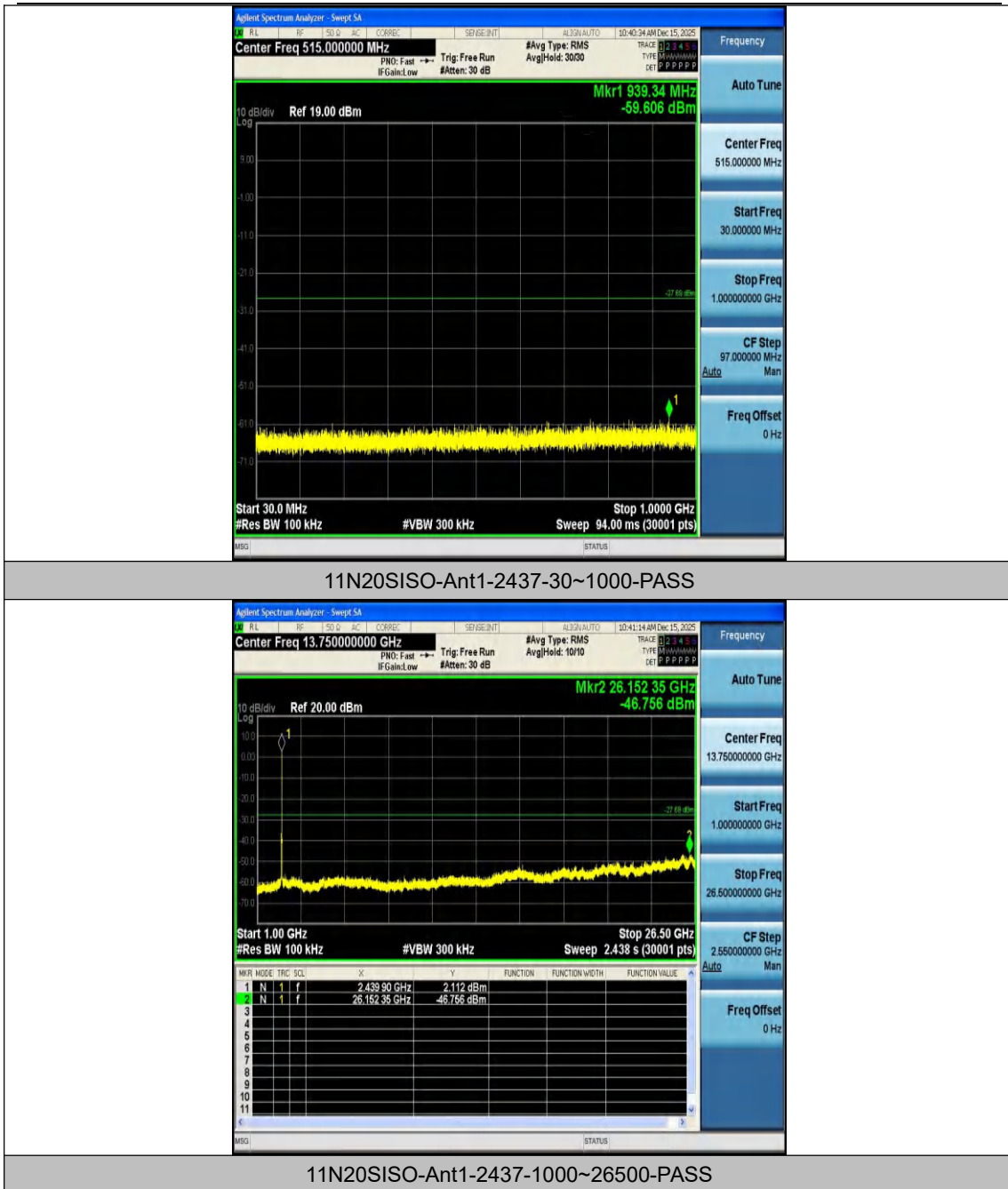
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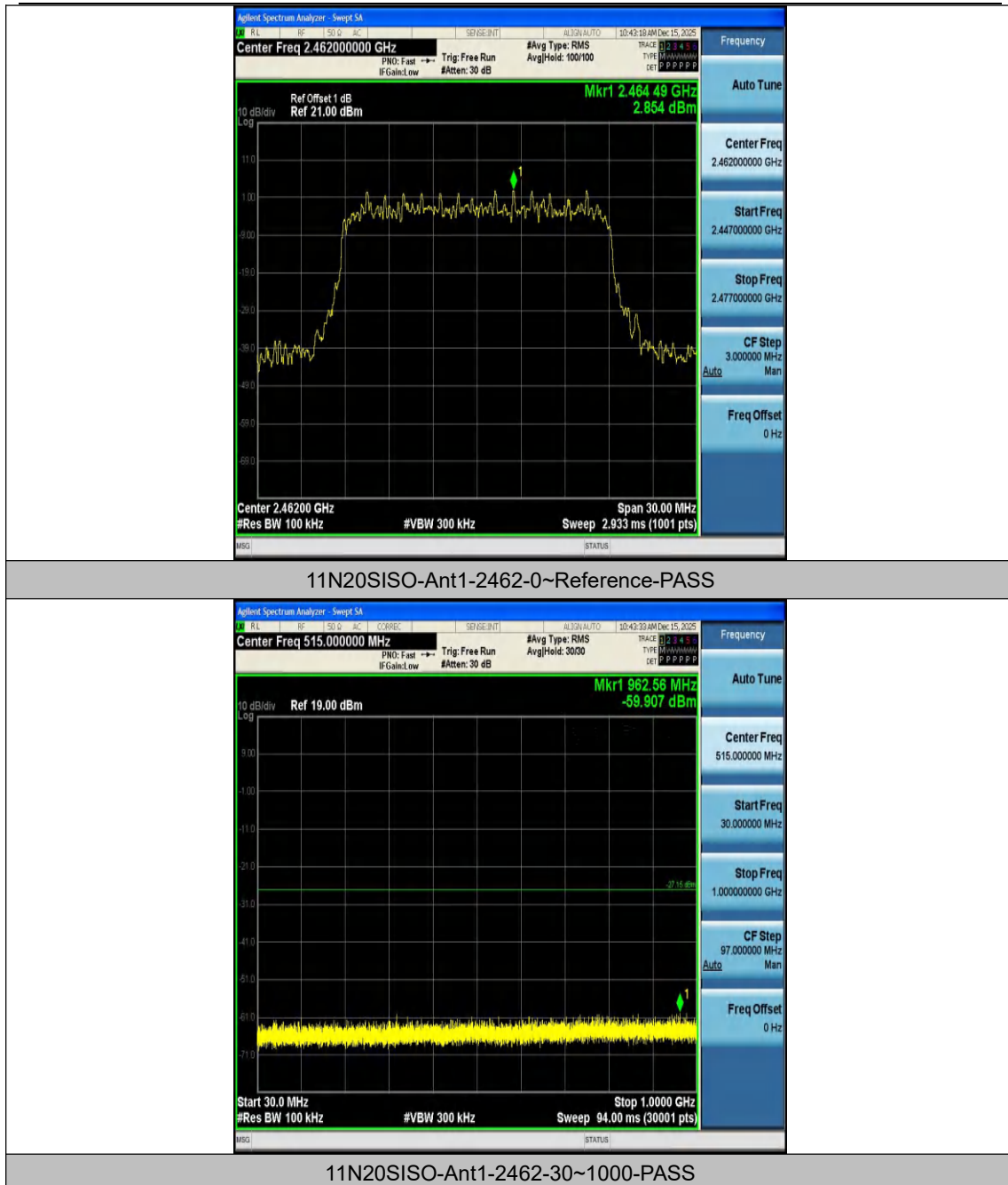
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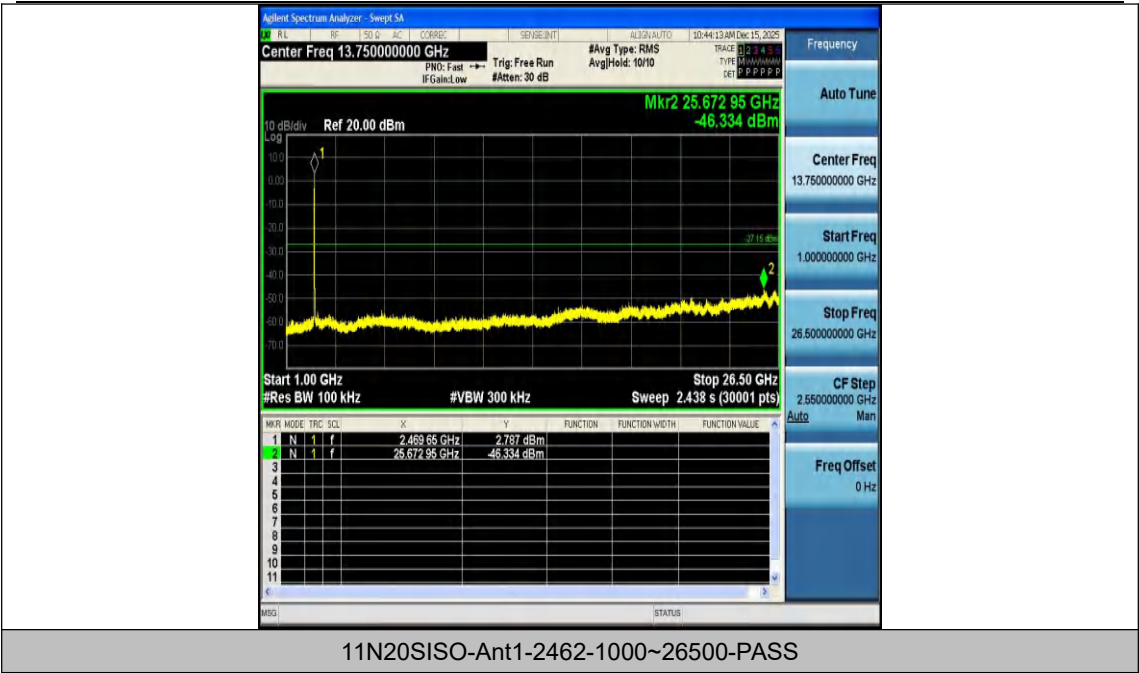
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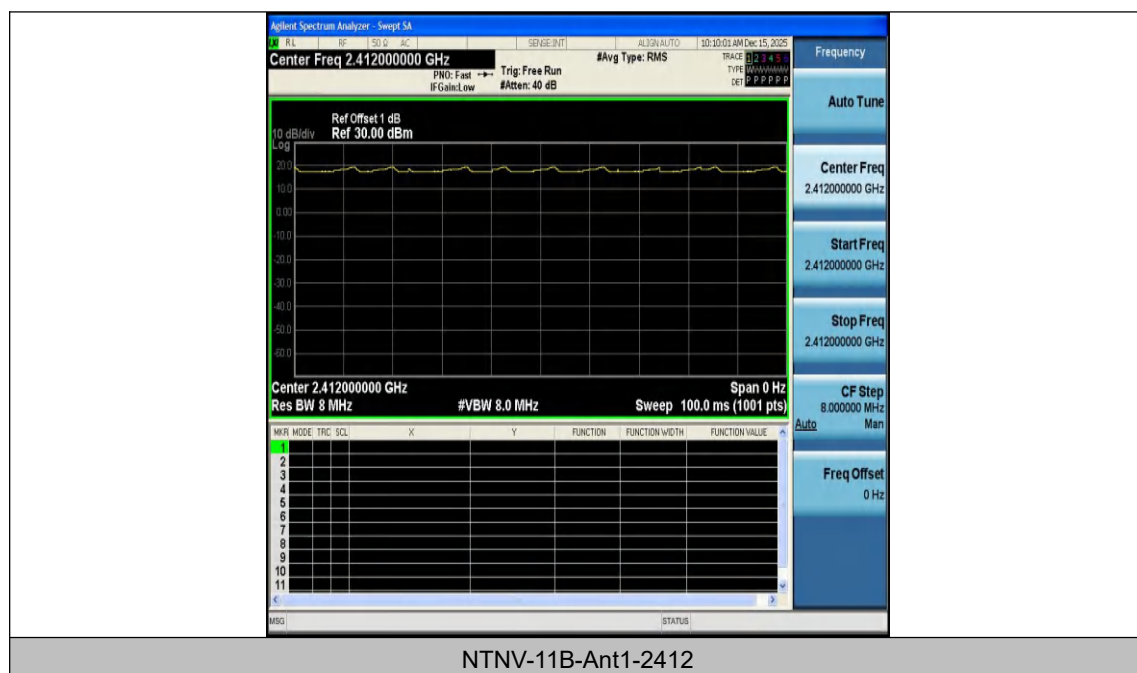
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Appendix G: Duty Cycle

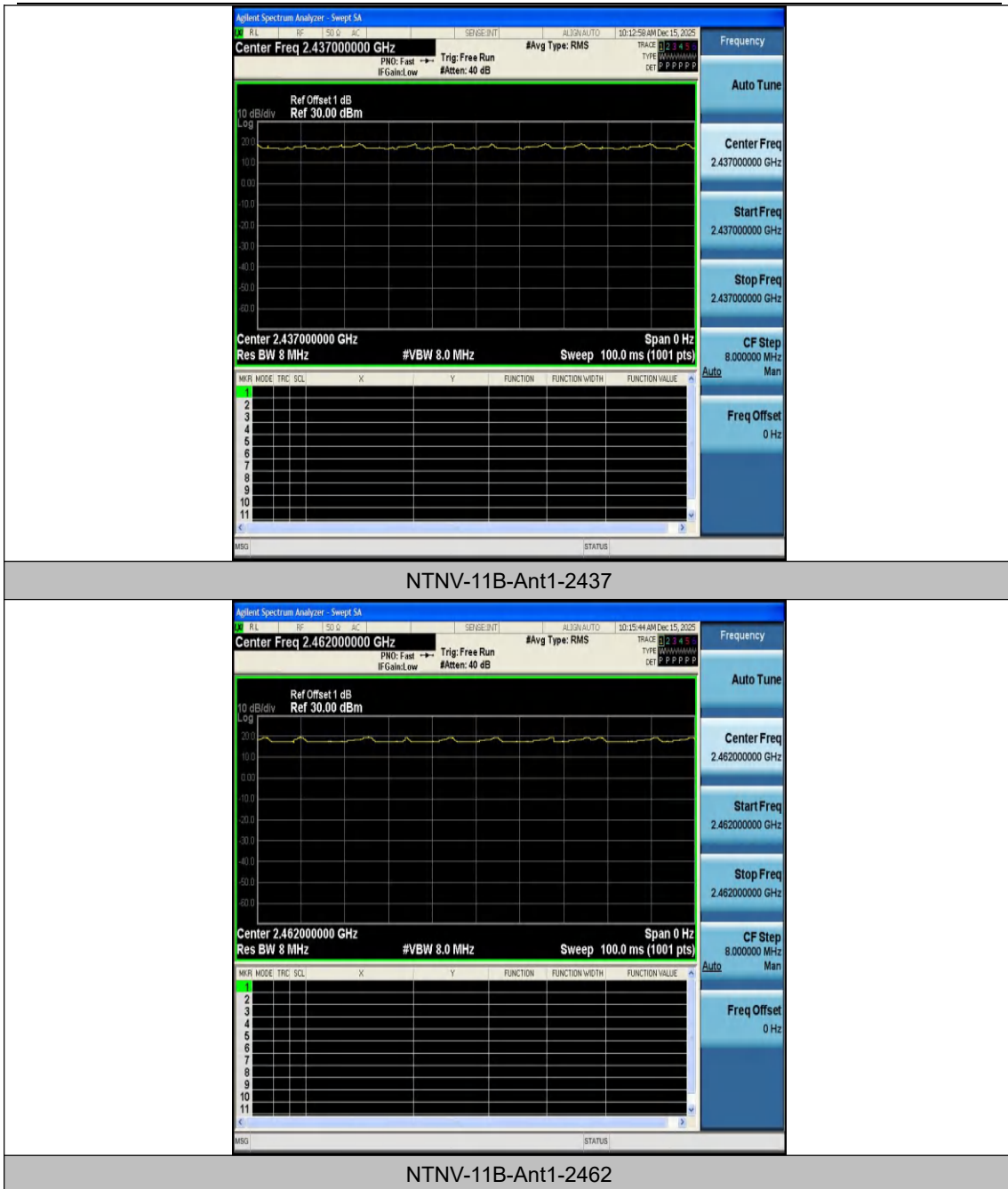
Test Result

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

Test Graphs



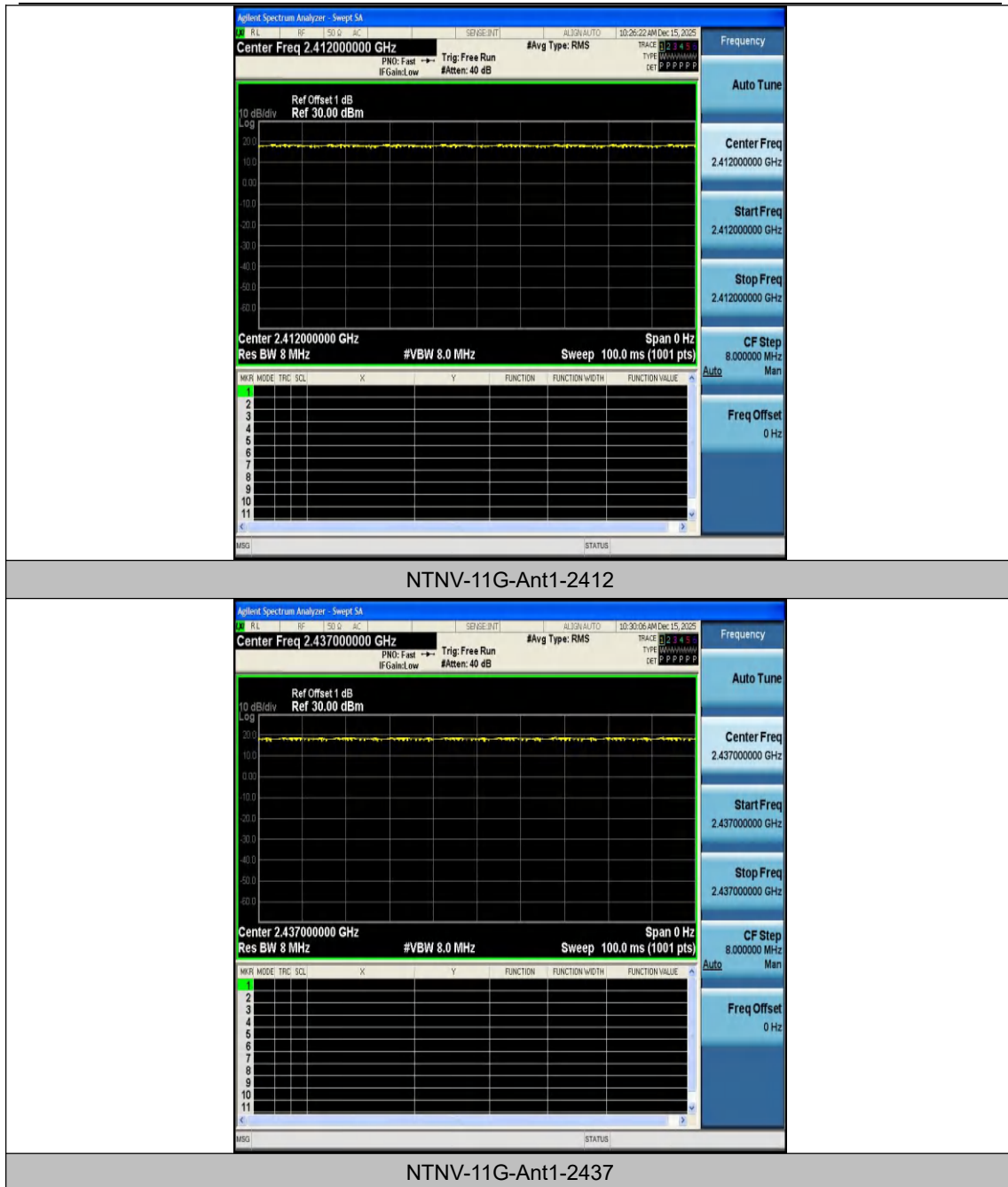
NTNV-11B-Ant1-2412



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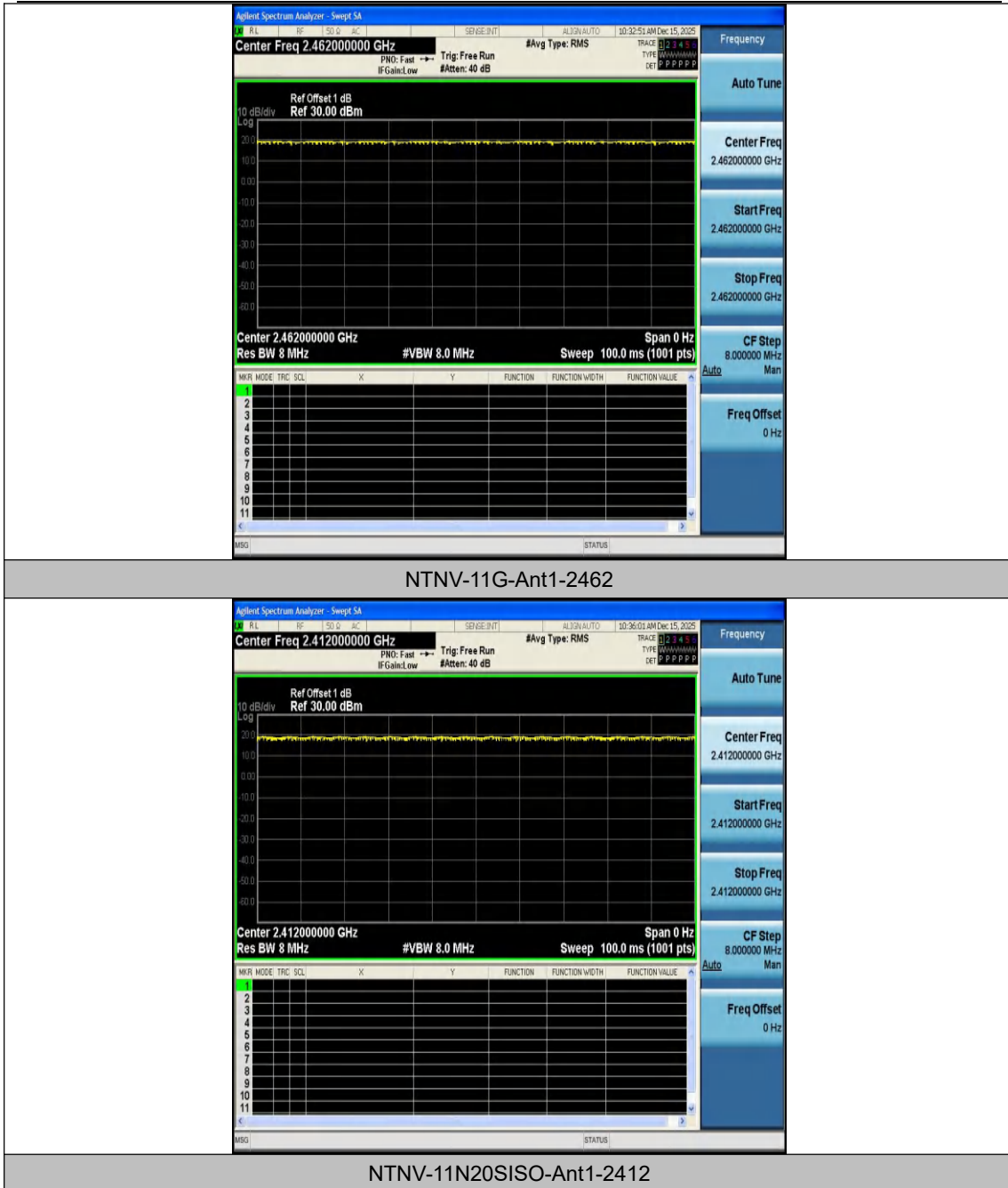
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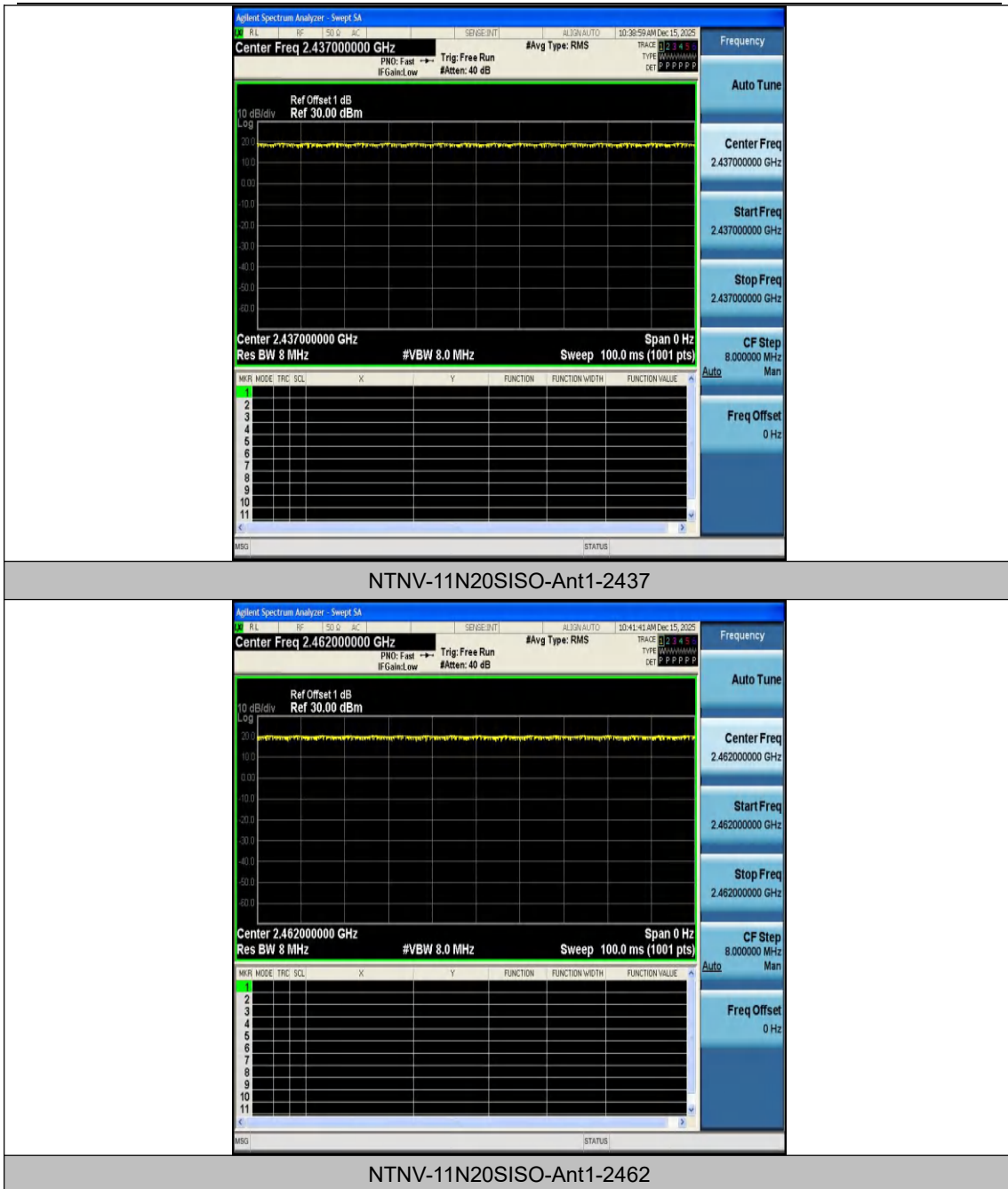
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