

Appendix Test Data

Report No.:	1819C50111212502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-21	Finish Test Date:	2025-11-25
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	45%
Pressure:	101kPa		



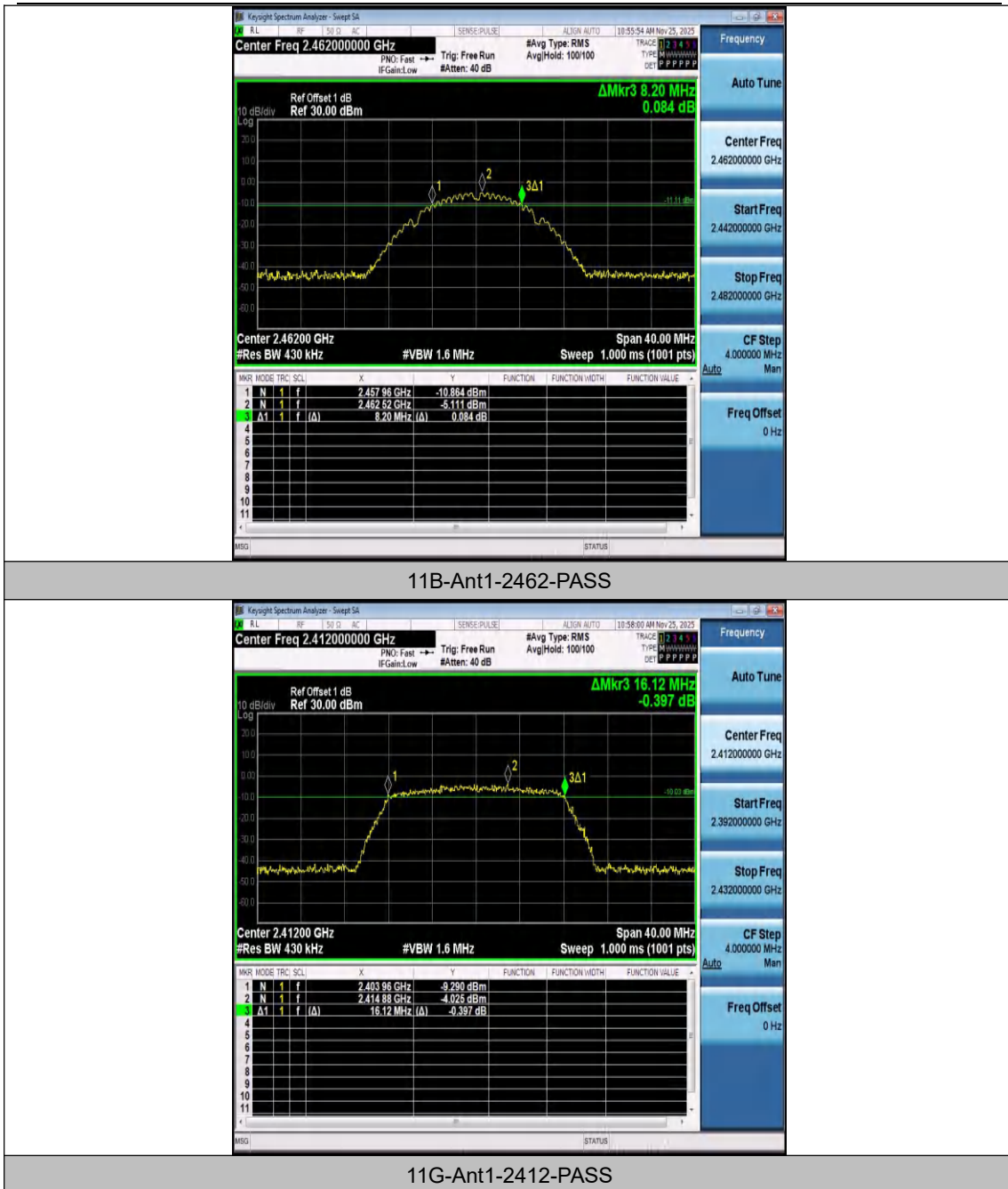
Appendix A: 6dB Bandwidth

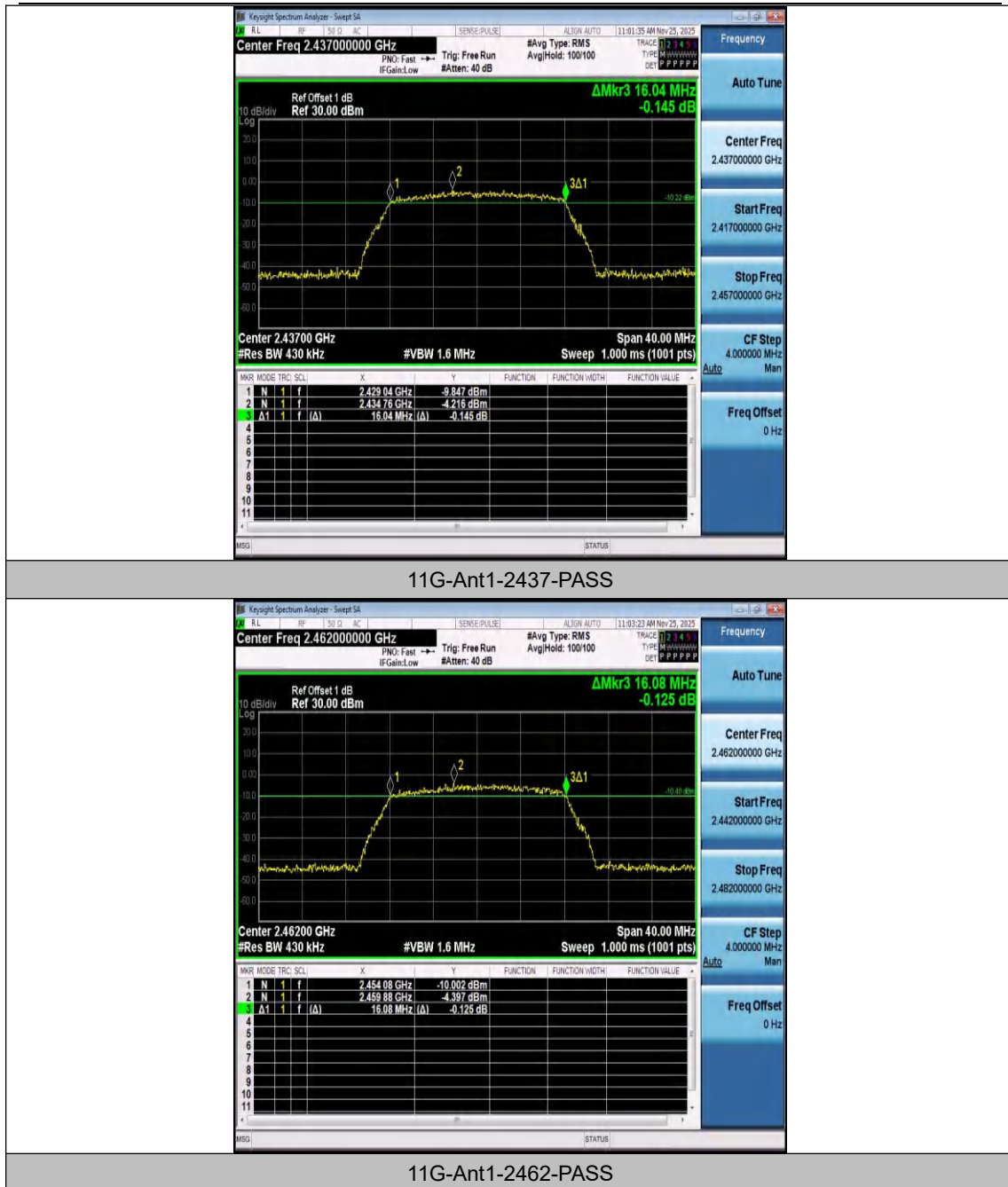
Test Result

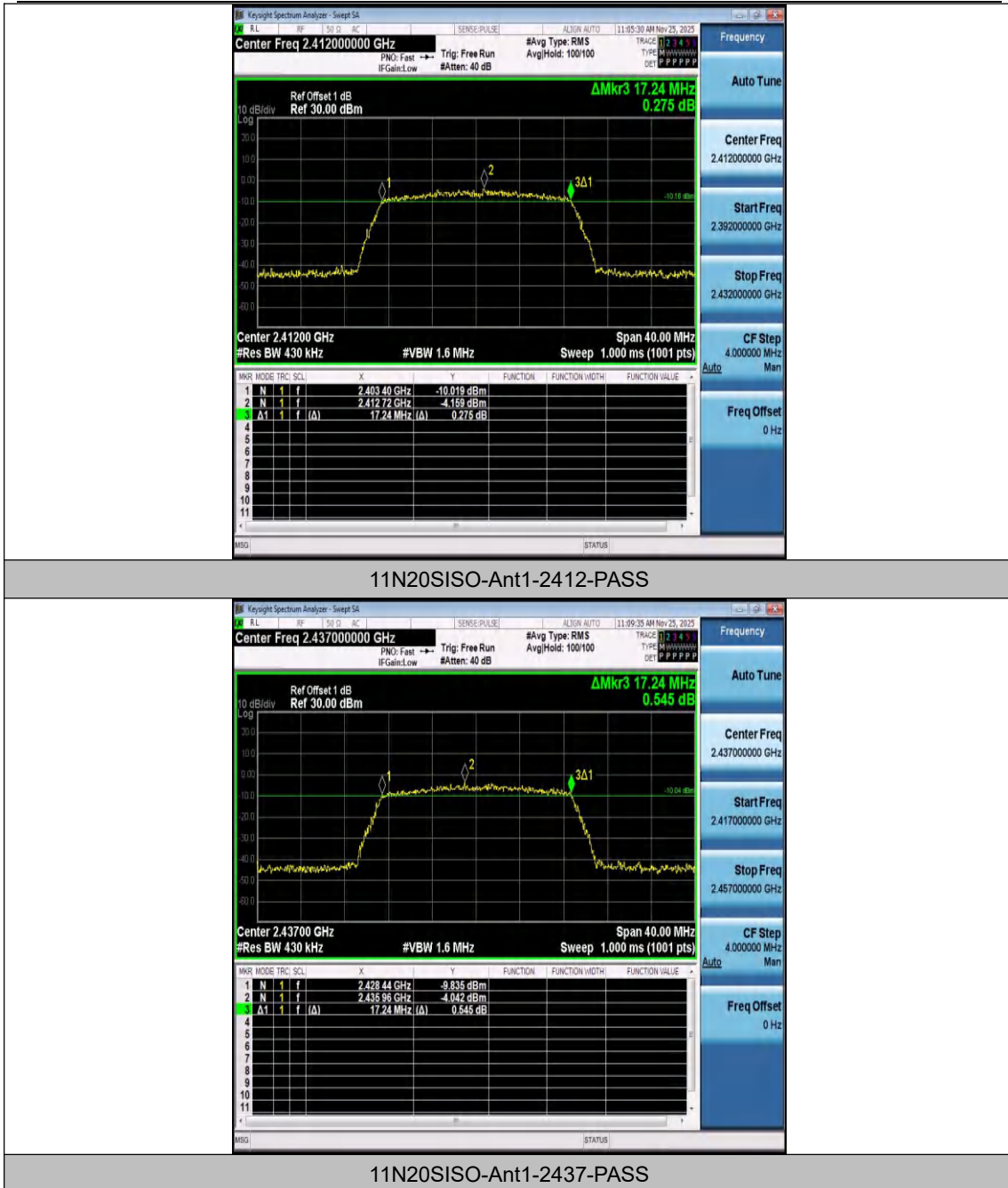
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.920	2416.160	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.200	2457.960	2466.160	0.5	PASS
11G	Ant1	2412	16.120	2403.960	2420.080	0.5	PASS
11G	Ant1	2437	16.040	2429.040	2445.080	0.5	PASS
11G	Ant1	2462	16.080	2454.080	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.240	2403.400	2420.640	0.5	PASS
11N20SISO	Ant1	2437	17.240	2428.440	2445.680	0.5	PASS
11N20SISO	Ant1	2462	17.240	2453.560	2470.800	0.5	PASS

Test Graphs





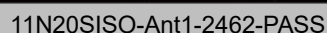




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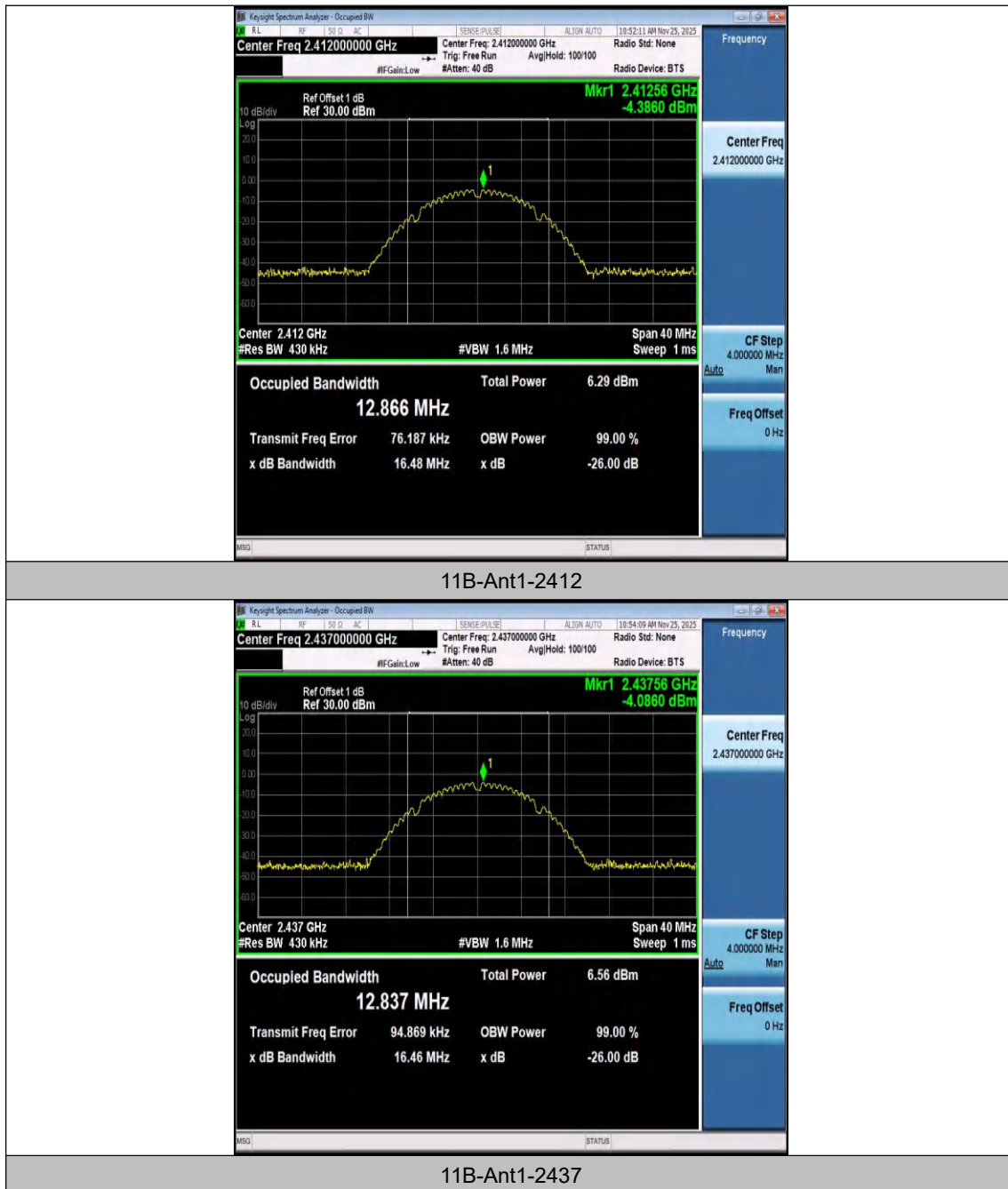
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.866	2405.6432	2418.5092	---	---
11B	Ant1	2437	12.837	2430.6764	2443.5134	---	---
11B	Ant1	2462	12.830	2455.6887	2468.5187	---	---
11G	Ant1	2412	16.760	2403.7079	2420.4679	---	---
11G	Ant1	2437	16.792	2428.6860	2445.4780	---	---
11G	Ant1	2462	16.786	2453.6764	2470.4624	---	---
11N20SISO	Ant1	2412	17.869	2403.1338	2421.0028	---	---
11N20SISO	Ant1	2437	17.842	2428.1707	2446.0127	---	---
11N20SISO	Ant1	2462	17.848	2453.1781	2471.0261	---	---

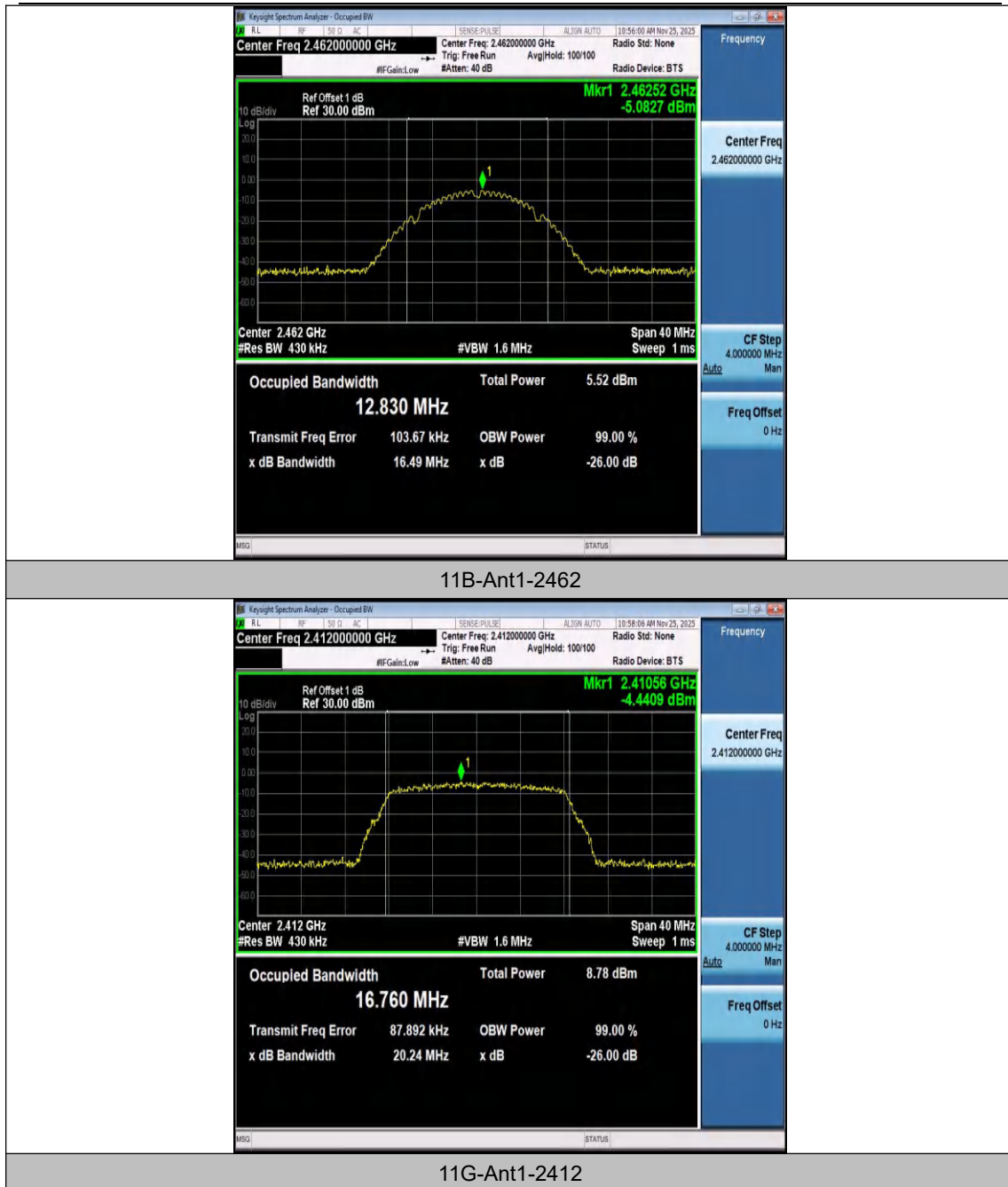
Test Graphs



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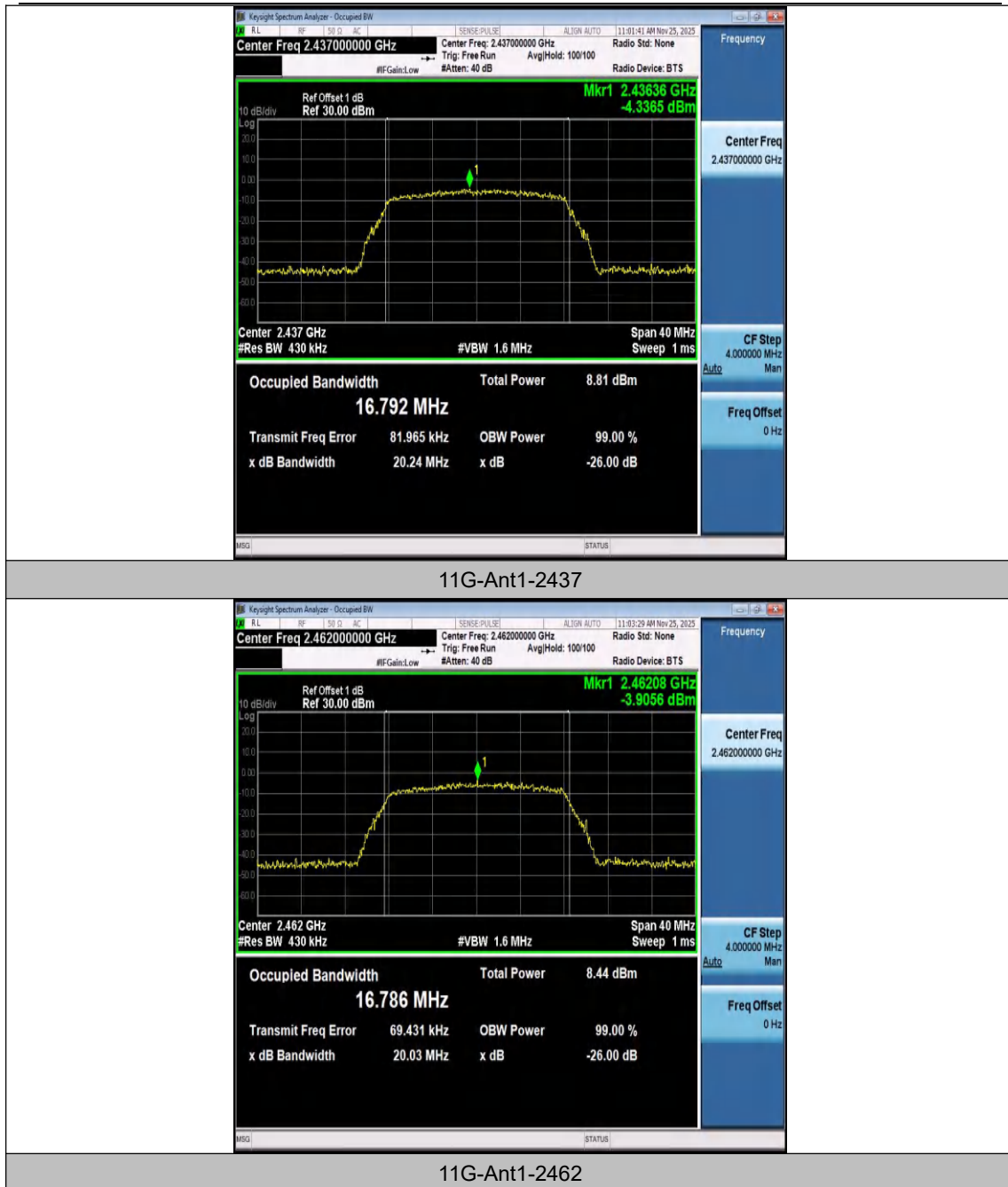
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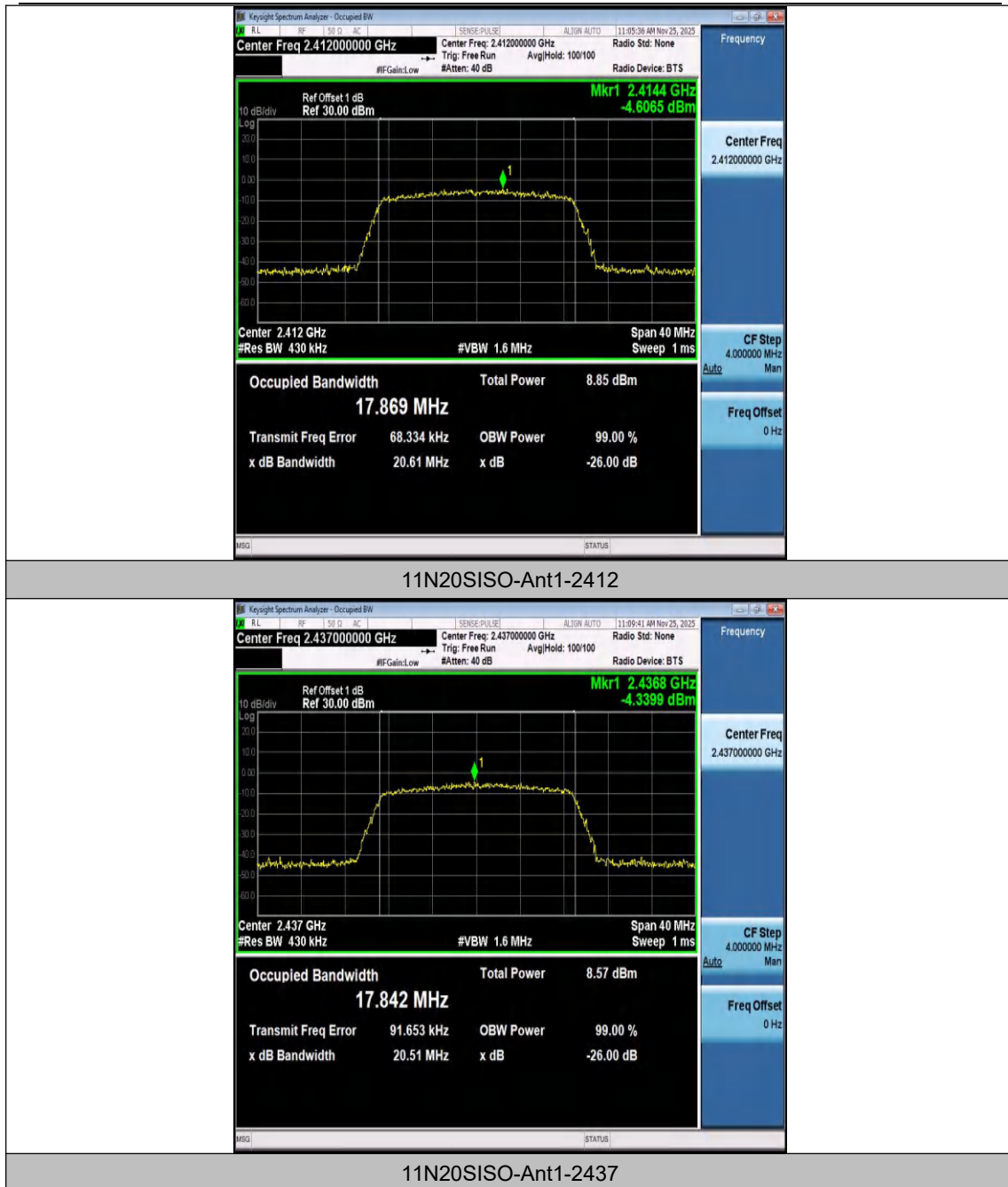
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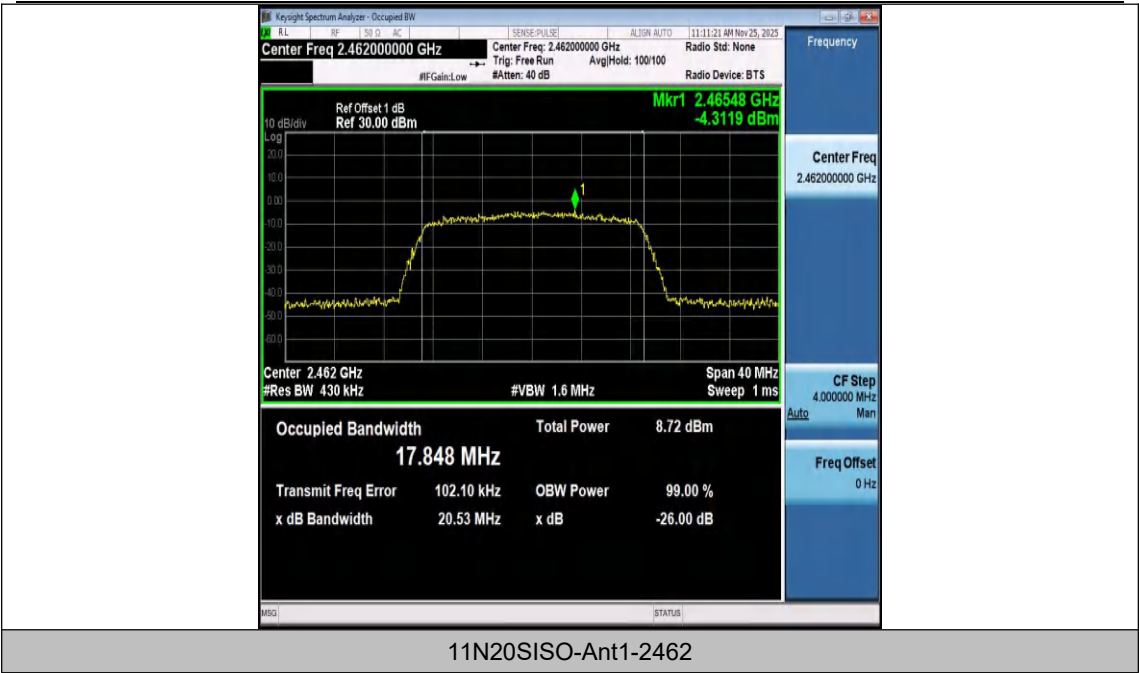
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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	3.25	100.00	0.00	3.25	≤30.0 0	PASS
11B	Ant1	2437	3.53	100.00	0.00	3.53	≤30.0 0	PASS
11B	Ant1	2462	2.42	100.00	0.00	2.42	≤30.0 0	PASS
11G	Ant1	2412	2.61	100.00	0.00	2.61	≤30.0 0	PASS
11G	Ant1	2437	2.72	100.00	0.00	2.72	≤30.0 0	PASS
11G	Ant1	2462	2.27	100.00	0.00	2.27	≤30.0 0	PASS
11N20SI SO	Ant1	2412	2.69	100.00	0.00	2.69	≤30.0 0	PASS
11N20SI SO	Ant1	2437	2.54	100.00	0.00	2.54	≤30.0 0	PASS
11N20SI SO	Ant1	2462	2.61	100.00	0.00	2.61	≤30.0 0	PASS

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

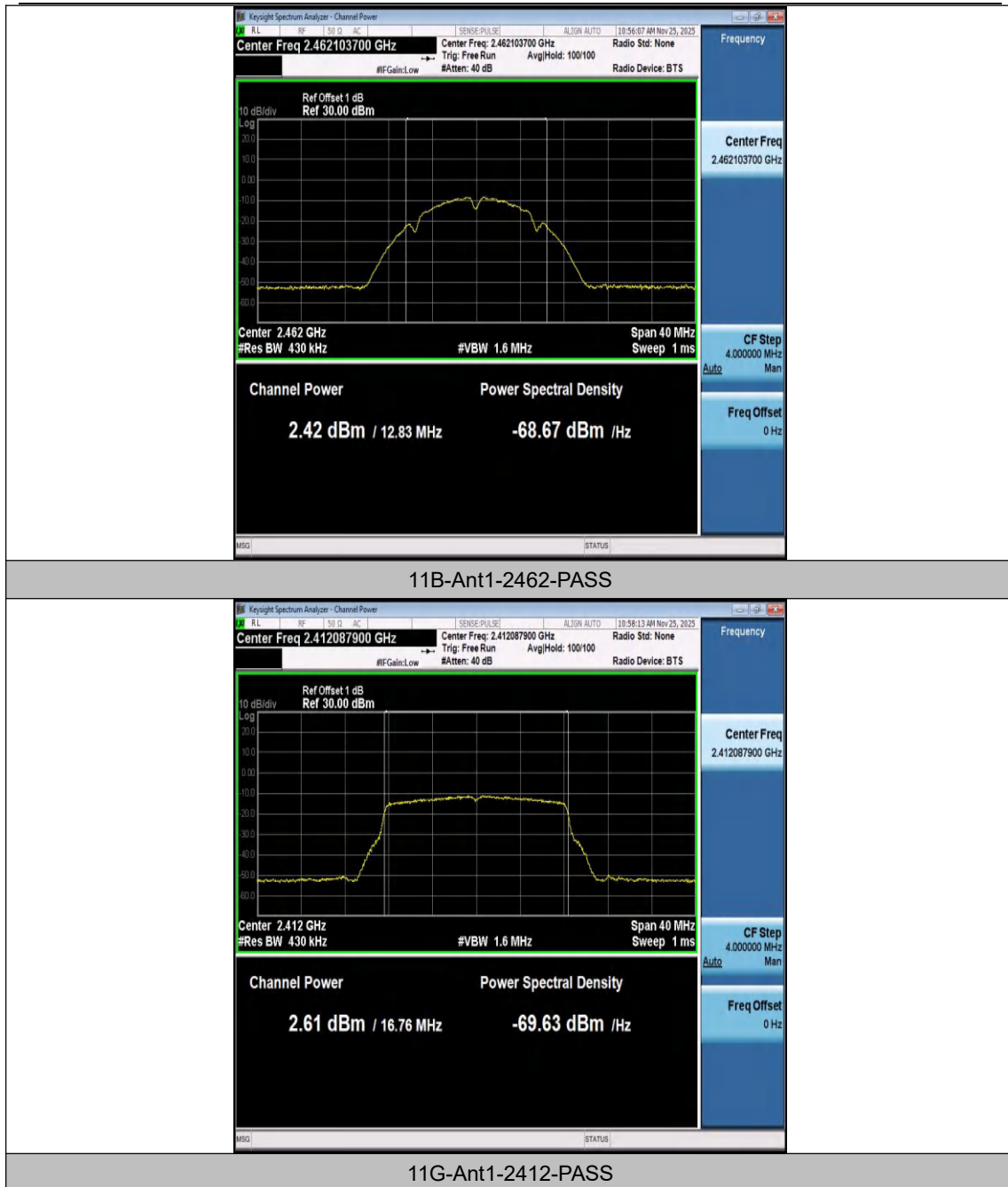
Test Graphs Average



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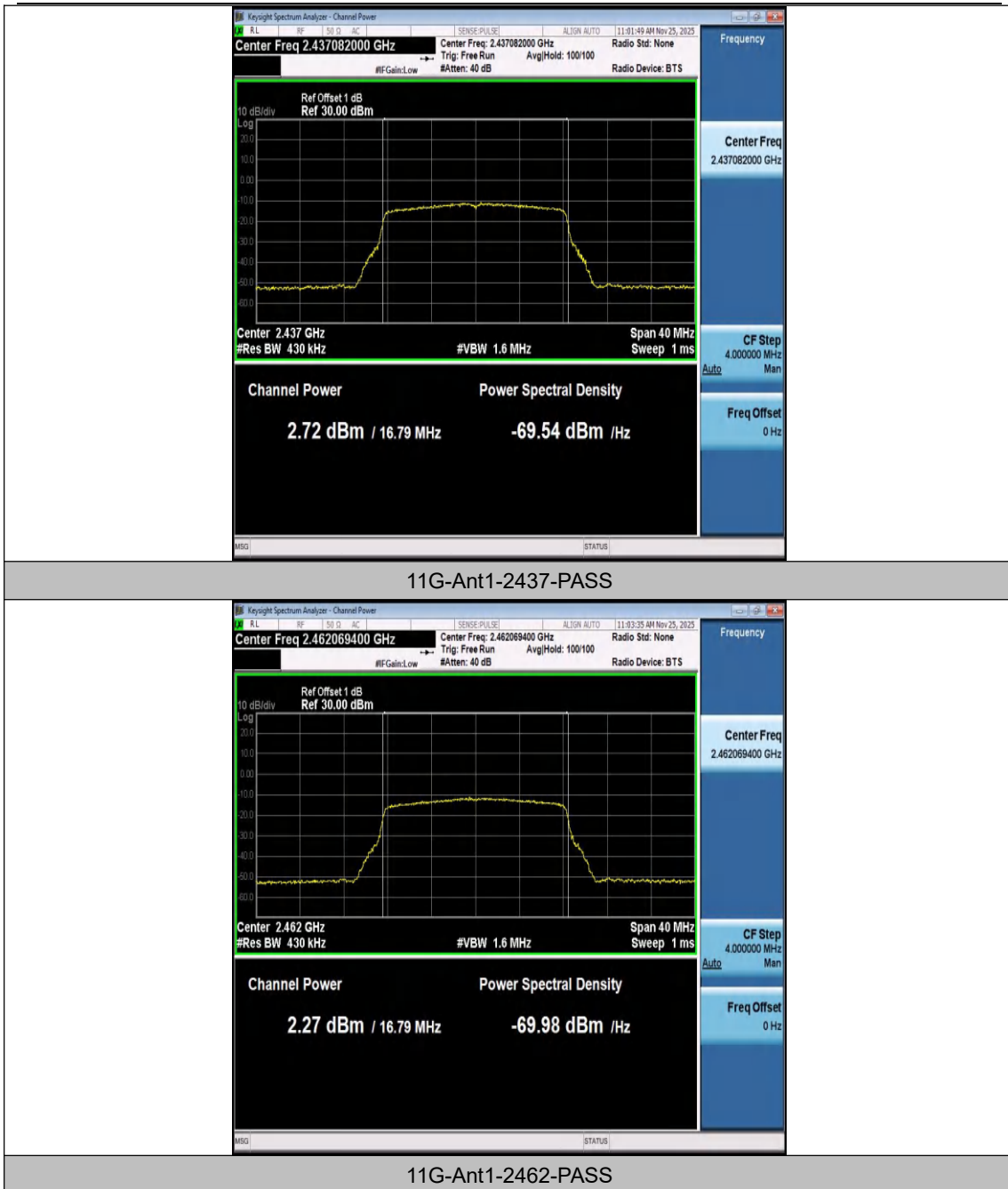
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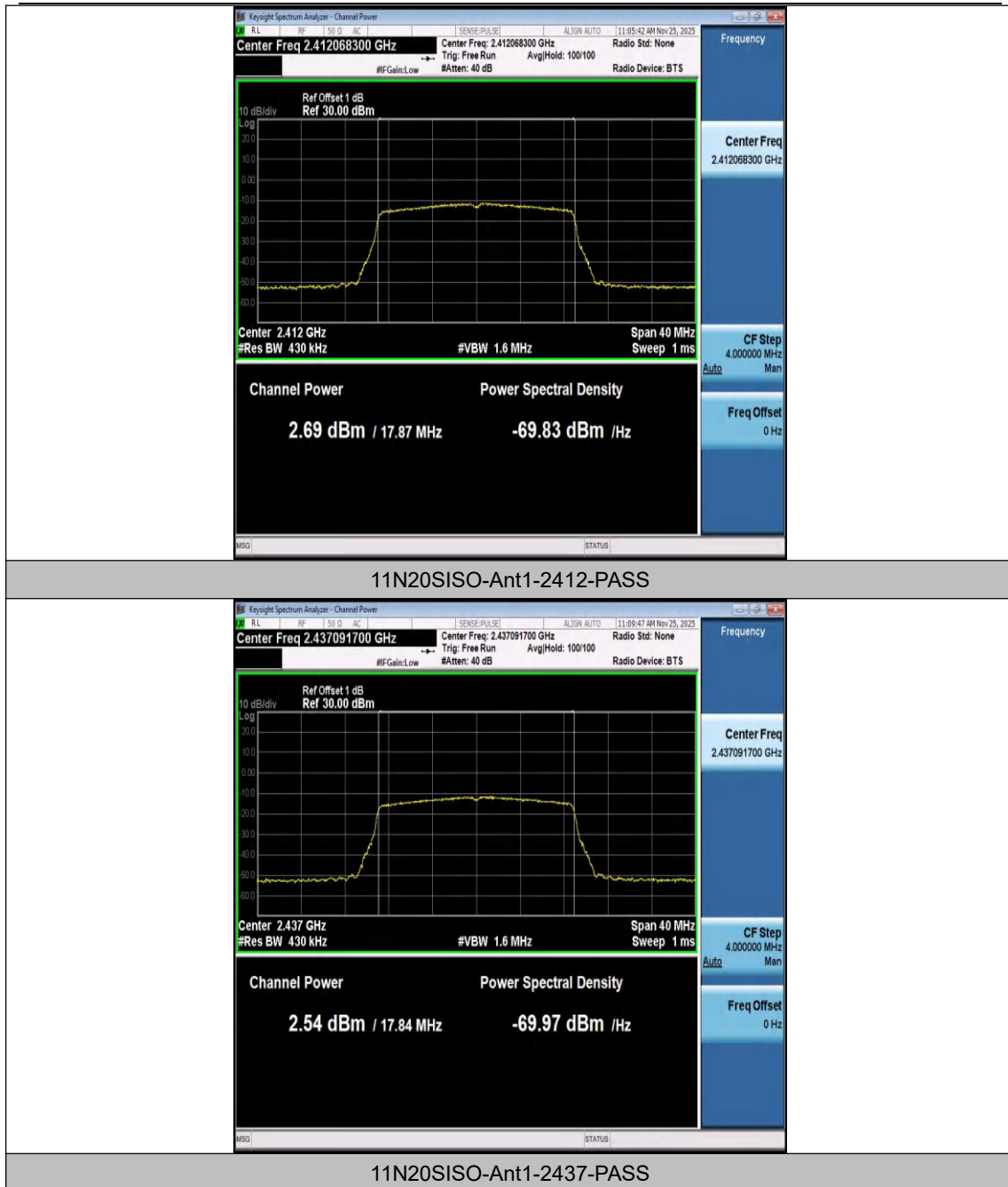
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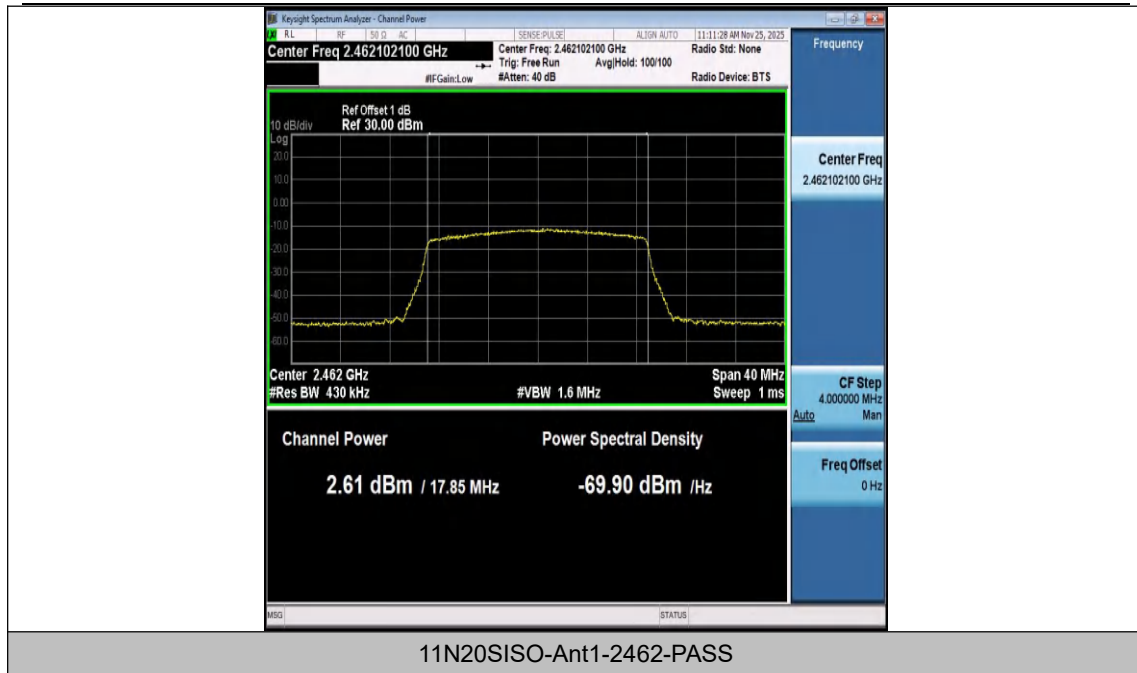
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Appendix D: Maximum power spectral density

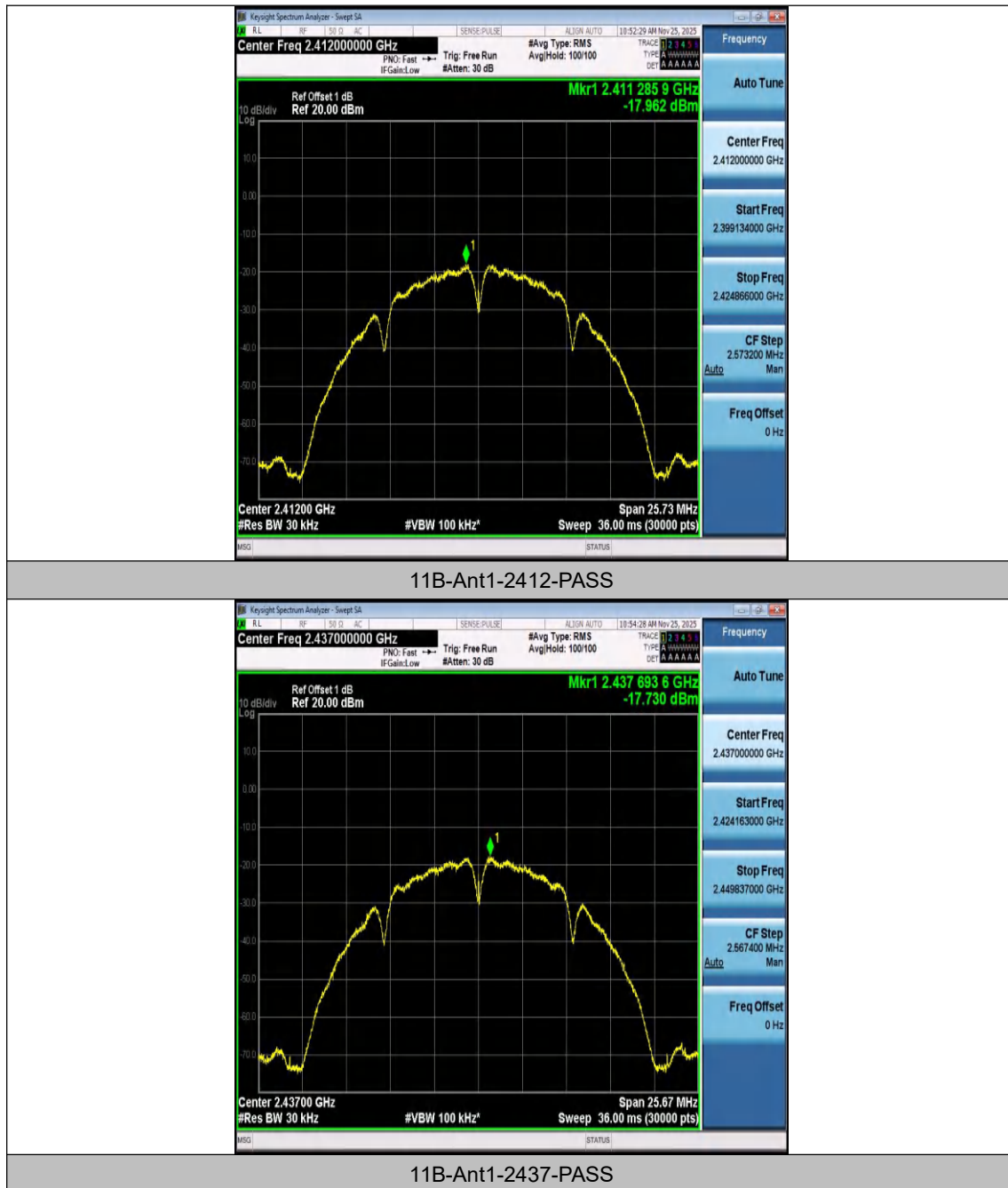
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.96	≤8.00	PASS
11B	Ant1	2437	-17.73	≤8.00	PASS
11B	Ant1	2462	-18.82	≤8.00	PASS
11G	Ant1	2412	-18.31	≤8.00	PASS
11G	Ant1	2437	-17.33	≤8.00	PASS
11G	Ant1	2462	-15.63	≤8.00	PASS
11N20SIS O	Ant1	2412	-18.34	≤8.00	PASS
11N20SIS O	Ant1	2437	-17.23	≤8.00	PASS
11N20SIS O	Ant1	2462	-15.41	≤8.00	PASS

Note:

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

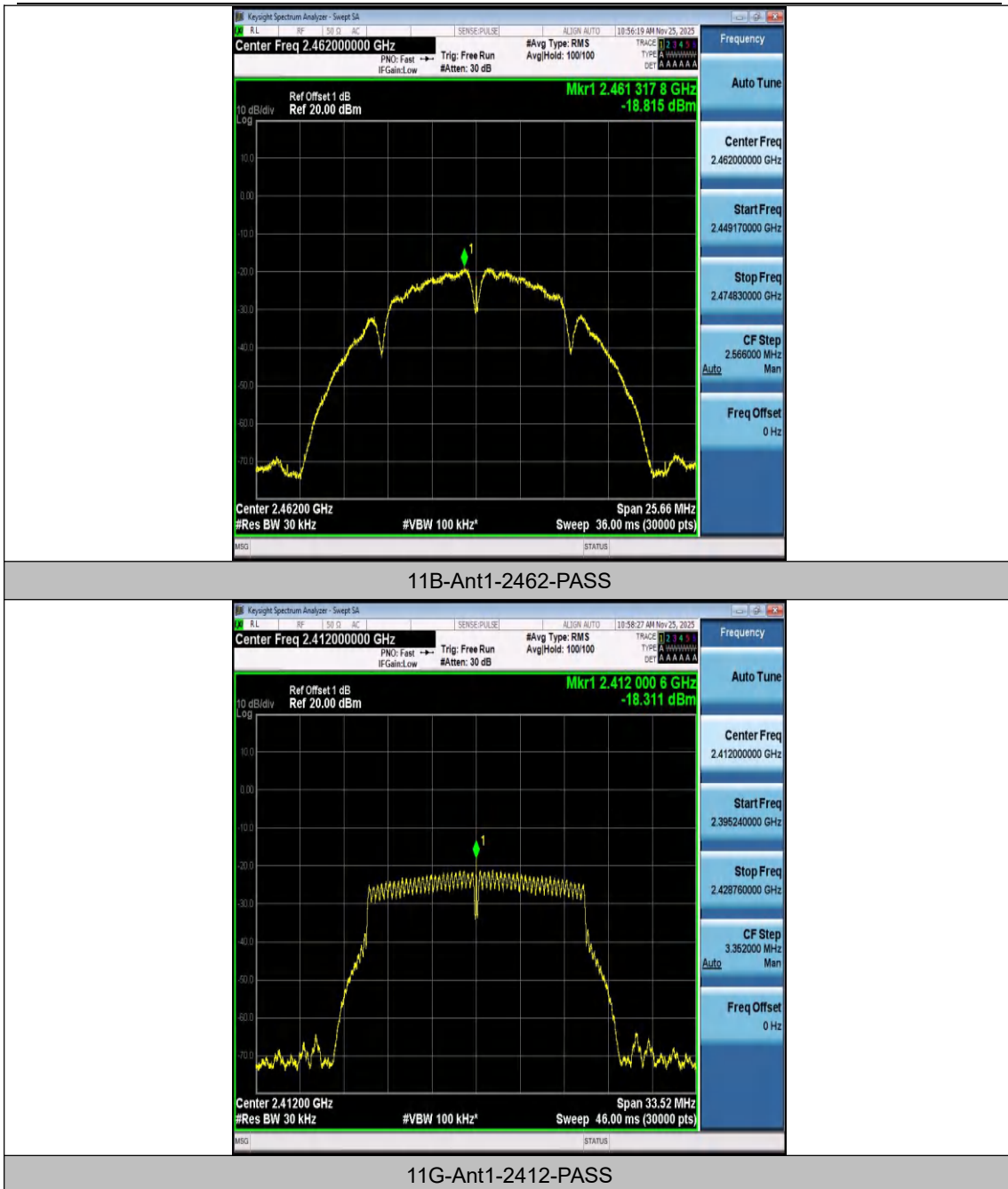
Test Graphs



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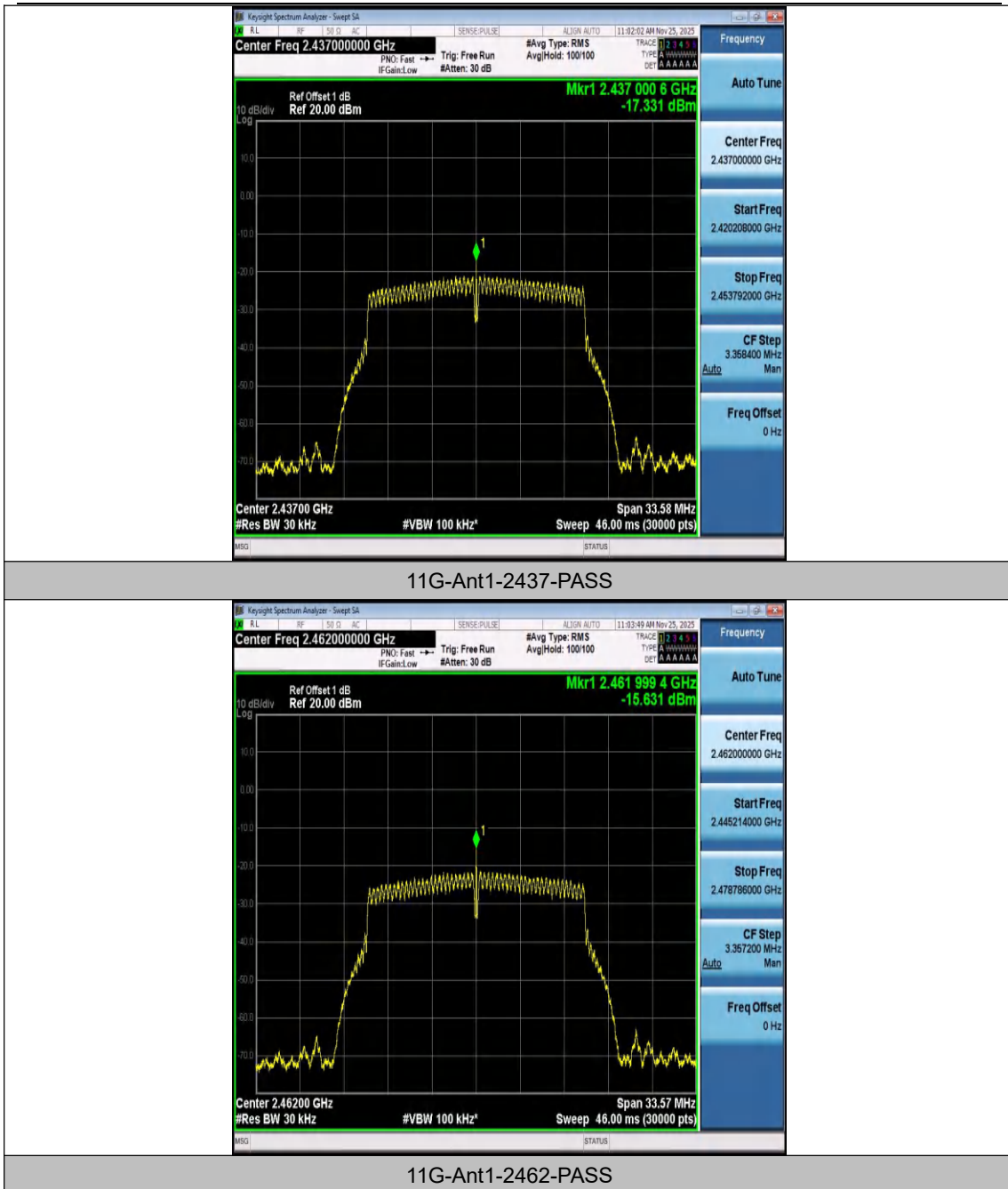
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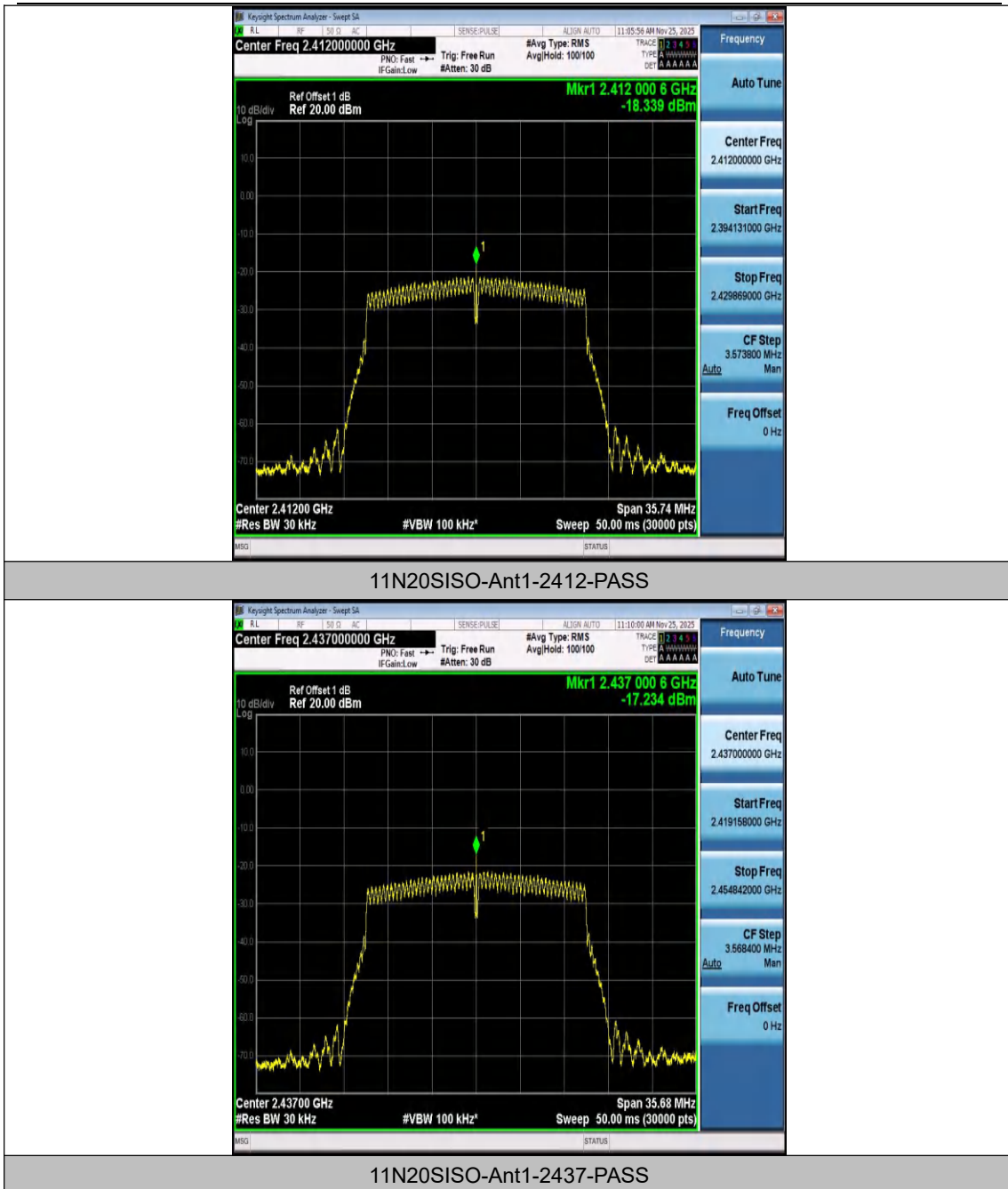
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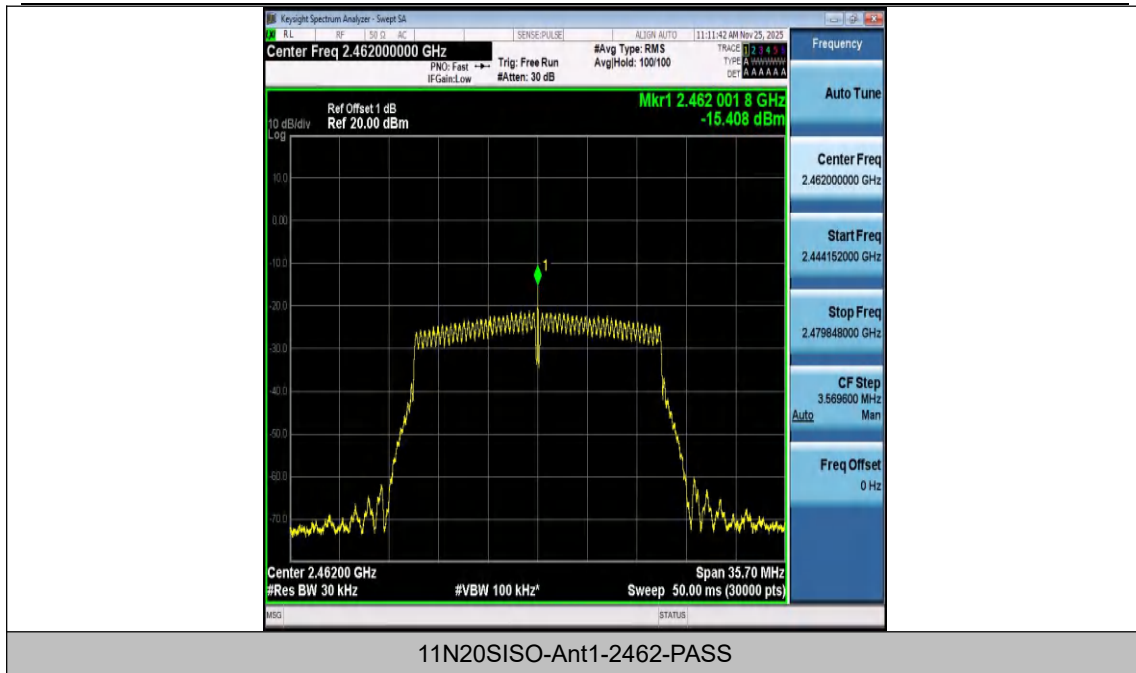
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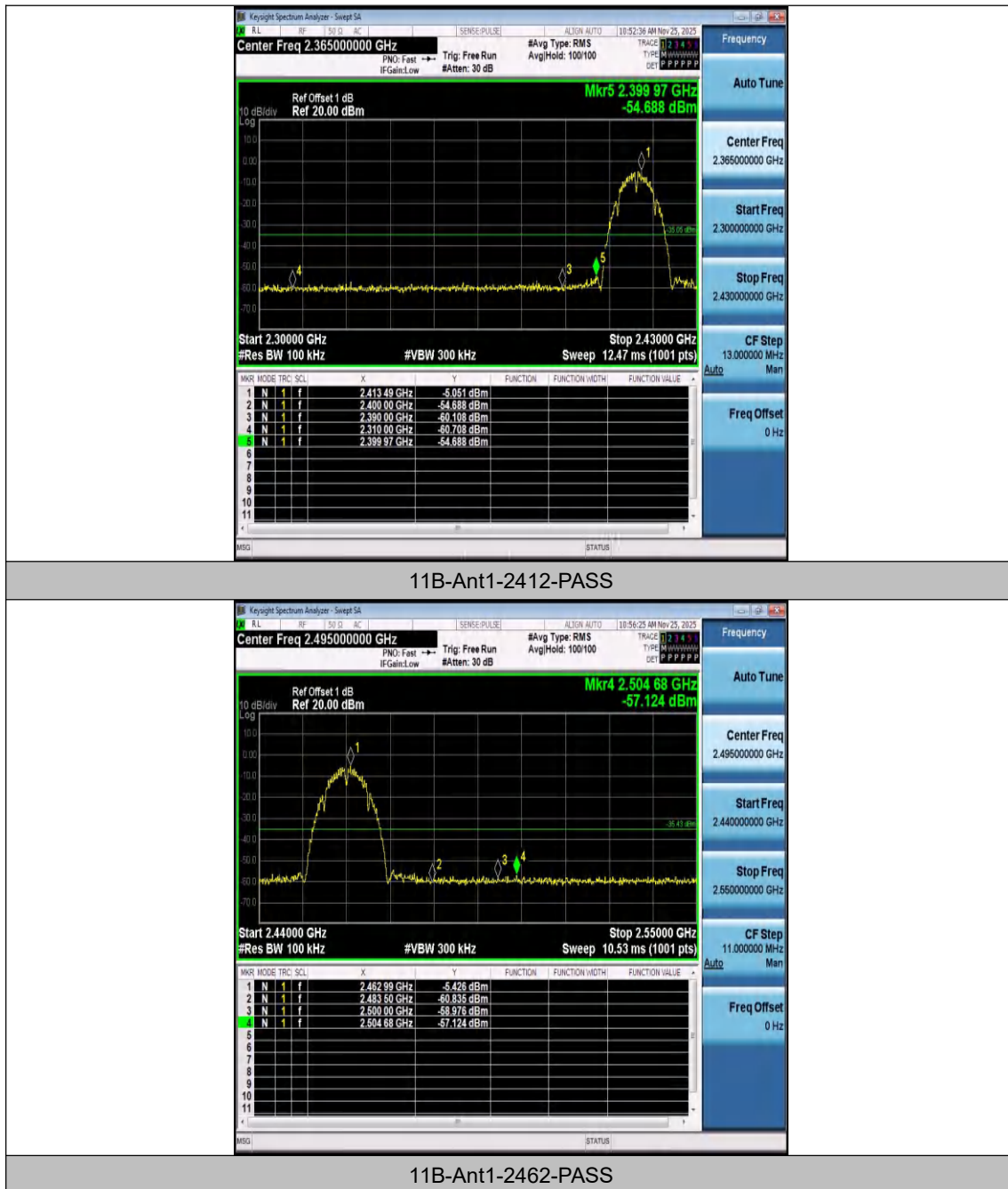
Appendix E: Conducted Band edge

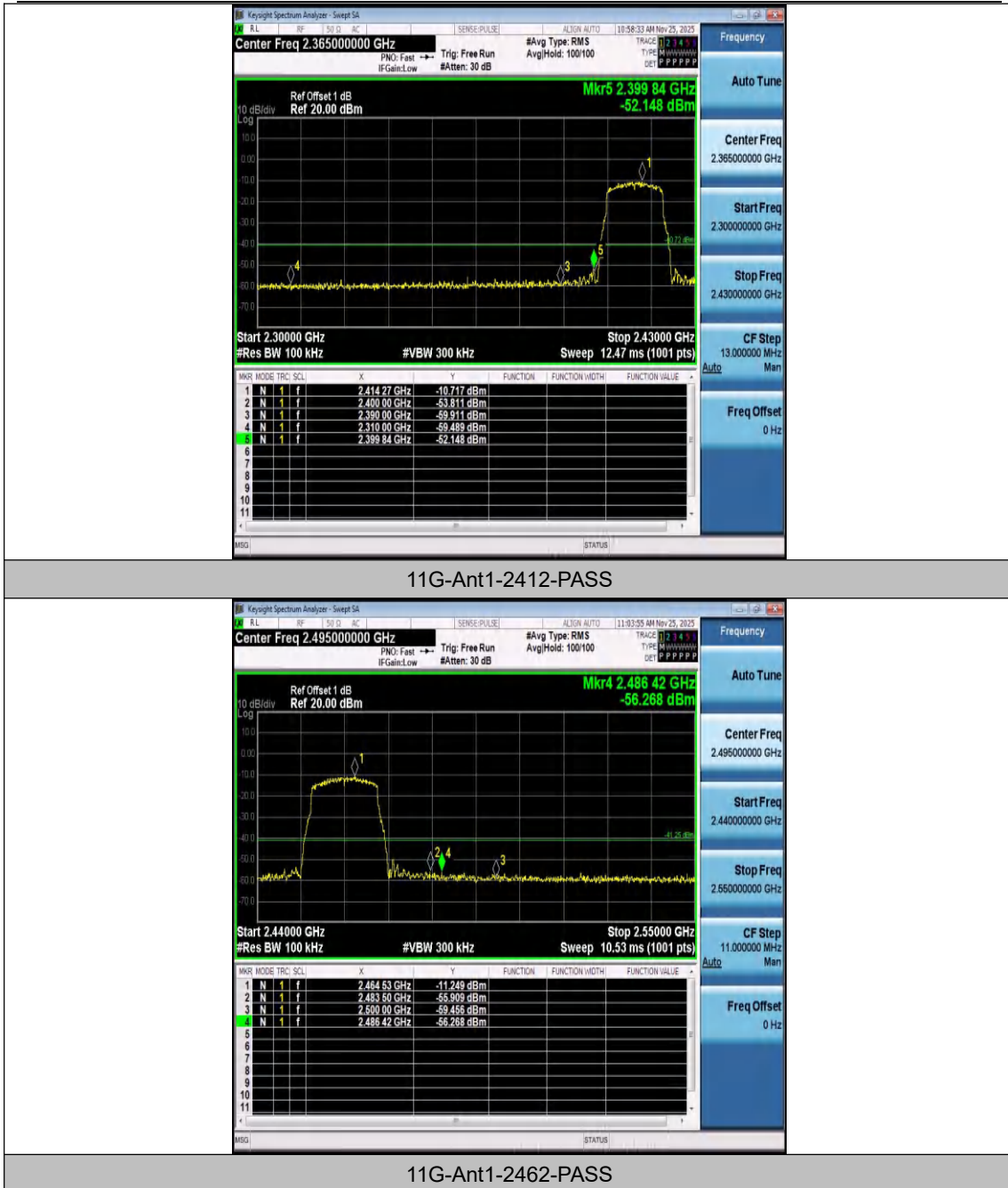
Test Result

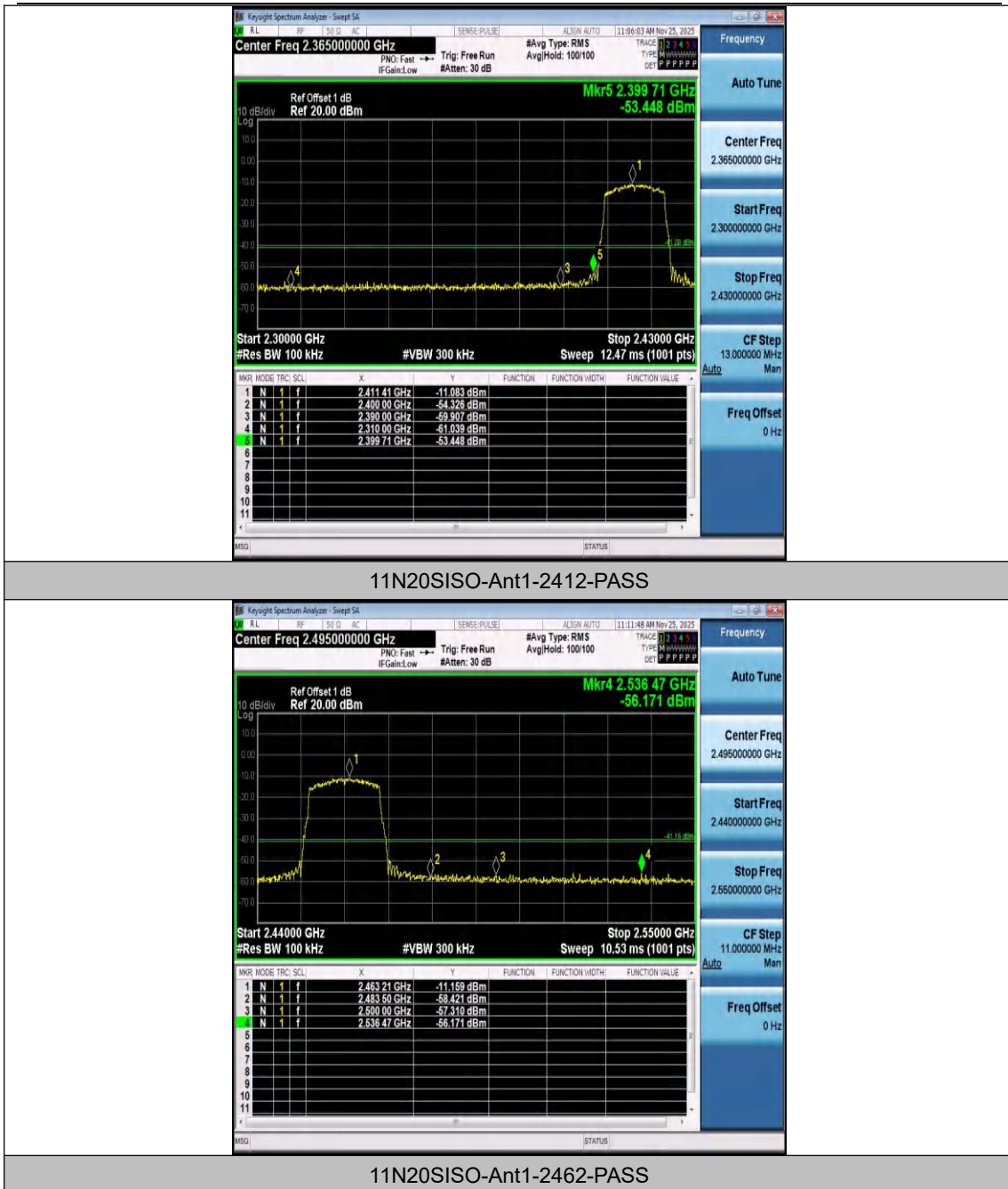
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.05	-54.69	≤-35.05	PASS
11B	Ant1	High	2462	-5.43	-57.12	≤-35.43	PASS
11G	Ant1	Low	2412	-10.72	-52.15	≤-40.72	PASS
11G	Ant1	High	2462	-11.25	-56.27	≤-41.25	PASS
11N20SISO	Ant1	Low	2412	-11.08	-53.45	≤-41.08	PASS
11N20SISO	Ant1	High	2462	-11.16	-56.17	≤-41.16	PASS

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

Test Graphs







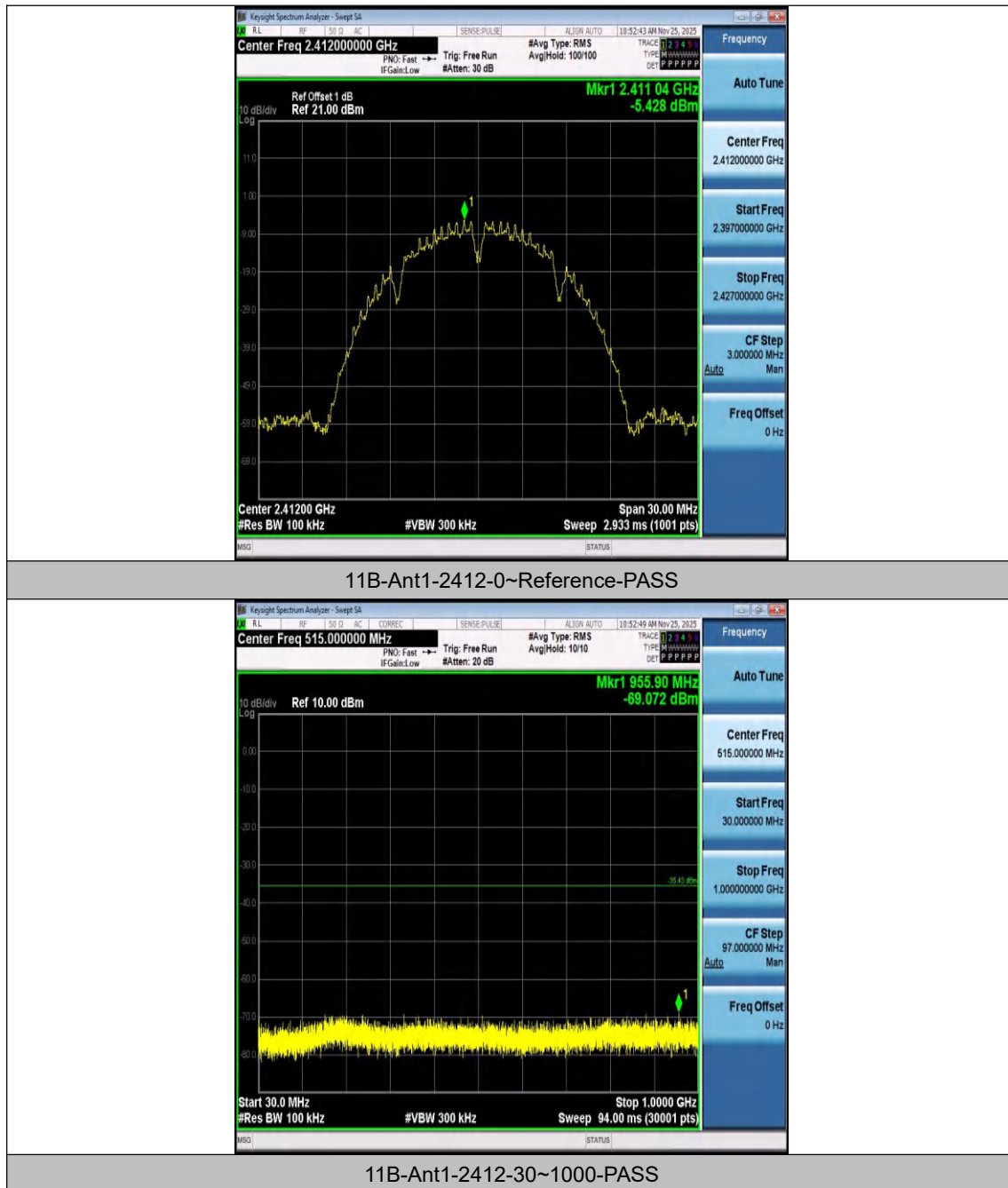
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-5.43	-5.43	---	PASS
11B	Ant1	2412	30~1000	-5.43	-69.07	≤-35.43	PASS
11B	Ant1	2412	1000~26500	-5.43	-53.52	≤-35.43	PASS
11B	Ant1	2437	0~Reference	-4.42	-4.42	---	PASS
11B	Ant1	2437	30~1000	-4.42	-68.21	≤-34.42	PASS
11B	Ant1	2437	1000~26500	-4.42	-53.32	≤-34.42	PASS
11B	Ant1	2462	0~Reference	-5.34	-5.34	---	PASS
11B	Ant1	2462	30~1000	-5.34	-68.61	≤-35.34	PASS
11B	Ant1	2462	1000~26500	-5.34	-53.72	≤-35.34	PASS
11G	Ant1	2412	0~Reference	-10.97	-10.97	---	PASS
11G	Ant1	2412	30~1000	-10.97	-67.45	≤-40.97	PASS
11G	Ant1	2412	1000~26500	-10.97	-52.58	≤-40.97	PASS
11G	Ant1	2437	0~Reference	-10.63	-10.63	---	PASS
11G	Ant1	2437	30~1000	-10.63	-68.43	≤-40.63	PASS
11G	Ant1	2437	1000~26500	-10.63	-53.07	≤-40.63	PASS
11G	Ant1	2462	0~Reference	-11.20	-11.20	---	PASS
11G	Ant1	2462	30~1000	-11.20	-68.53	≤-41.2	PASS
11G	Ant1	2462	1000~26500	-11.20	-52.97	≤-41.2	PASS
11N20SISO	Ant1	2412	0~Reference	-10.49	-10.49	---	PASS
11N20SISO	Ant1	2412	30~1000	-10.49	-68.43	≤-40.49	PASS
11N20SISO	Ant1	2412	1000~26500	-10.49	-52.87	≤-40.49	PASS
11N20SISO	Ant1	2437	0~Reference	-11.03	-11.03	---	PASS
11N20SISO	Ant1	2437	30~1000	-11.03	-68.84	≤-41.03	PASS
11N20SISO	Ant1	2437	1000~26500	-11.03	-53.66	≤-41.03	PASS
11N20SISO	Ant1	2462	0~Reference	-11.11	-11.11	---	PASS
11N20SISO	Ant1	2462	30~1000	-11.11	-69.05	≤-41.11	PASS
11N20SISO	Ant1	2462	1000~26500	-11.11	-53.77	≤-41.11	PASS

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

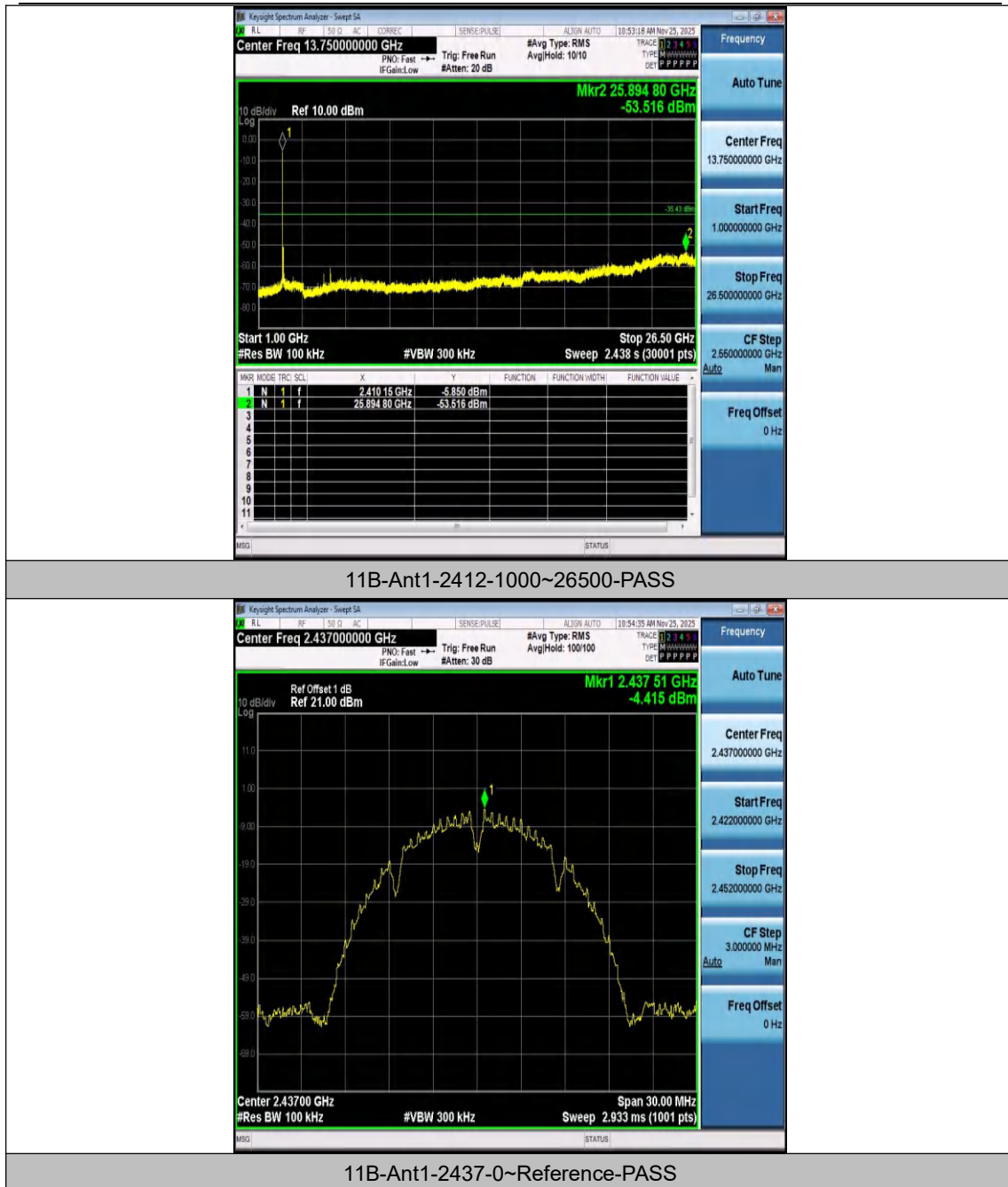
Test Graphs

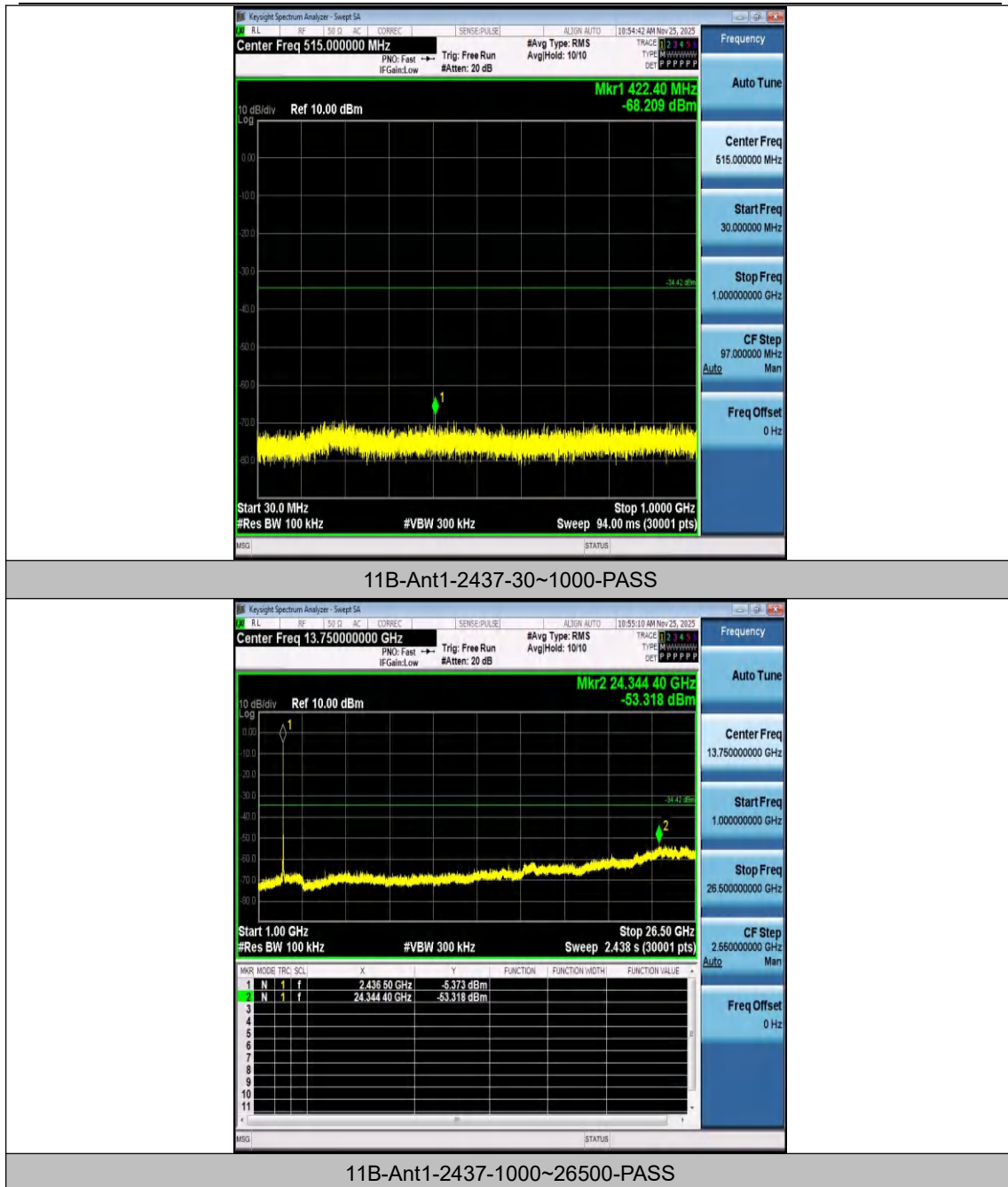


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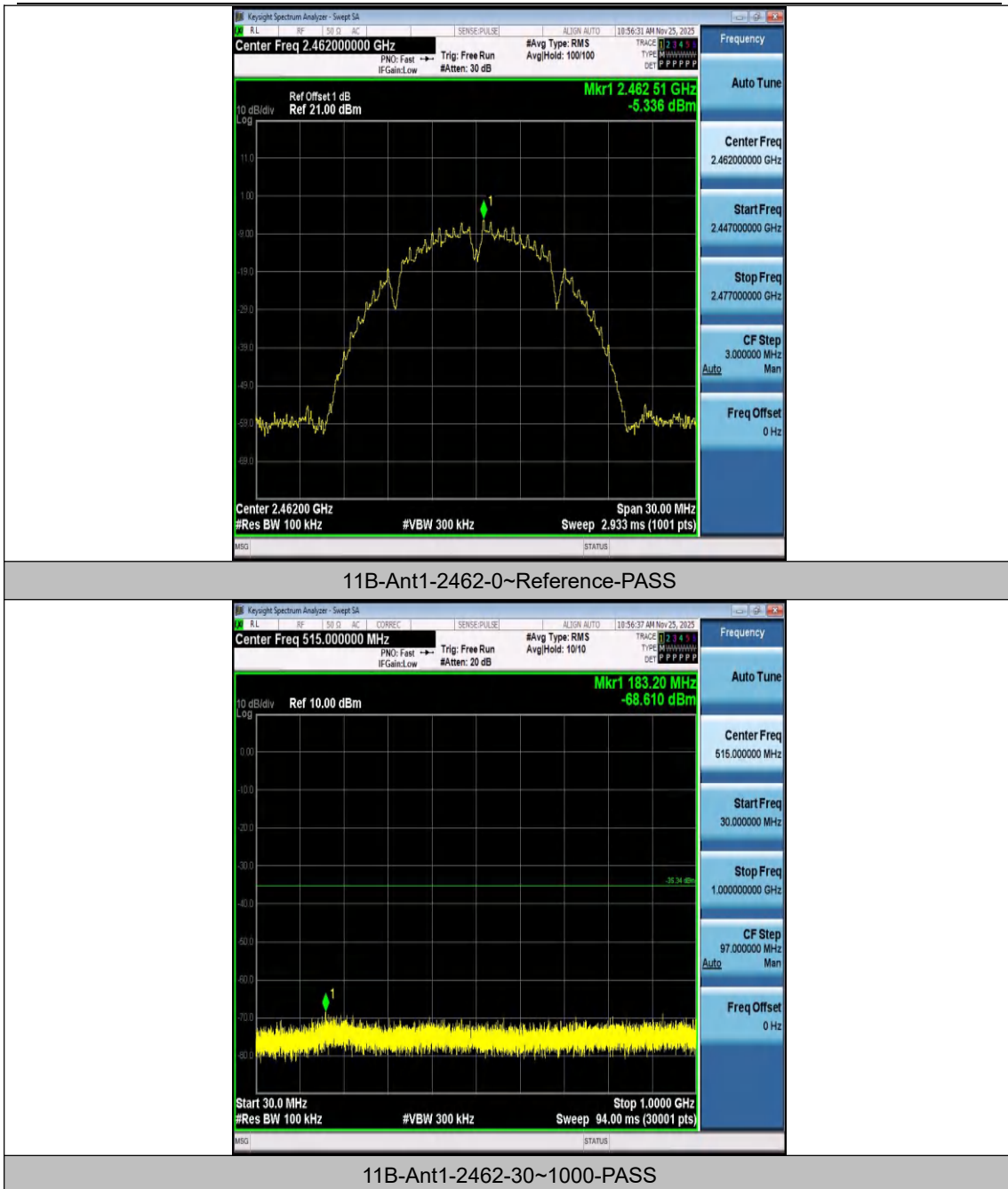




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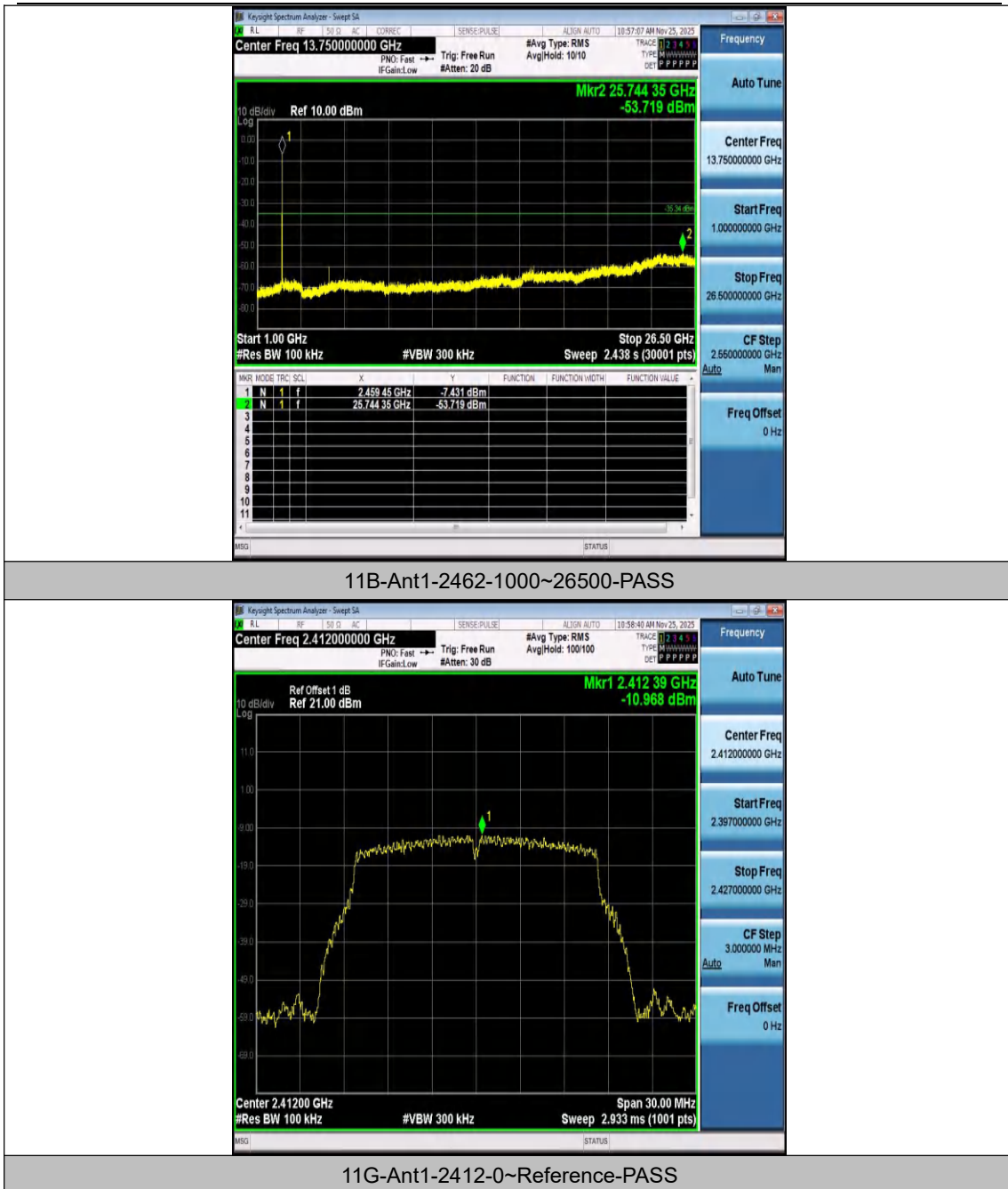
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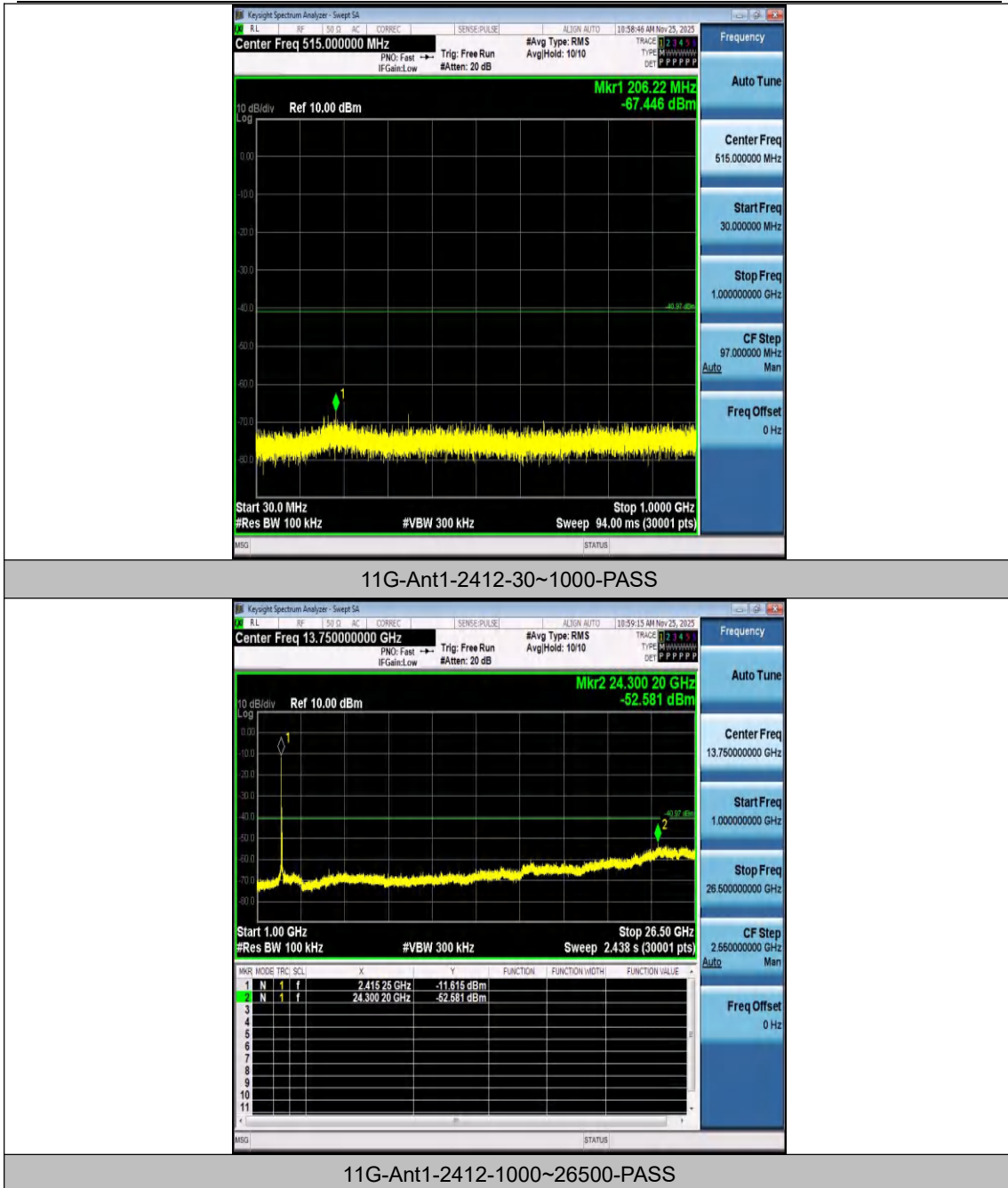
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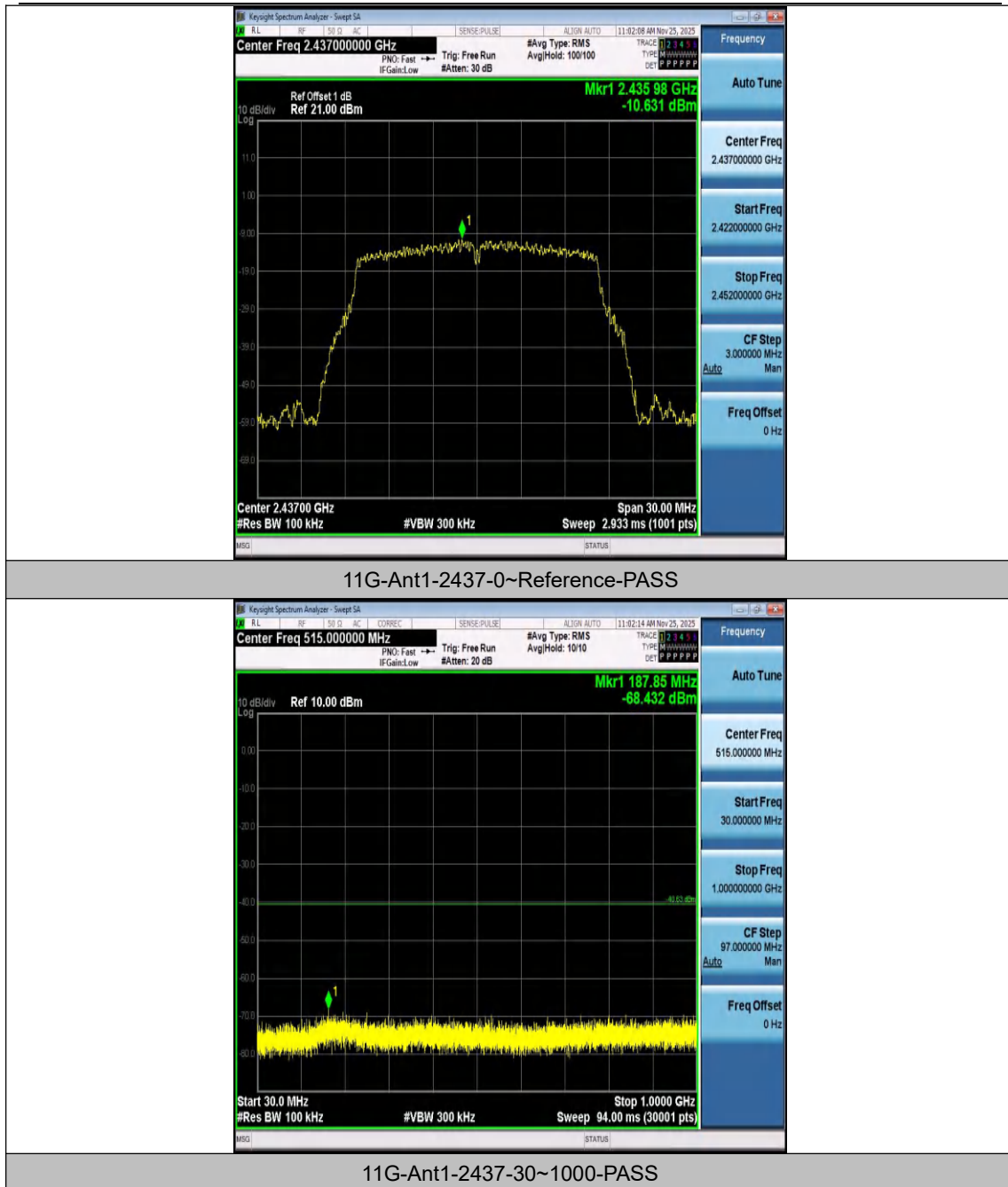
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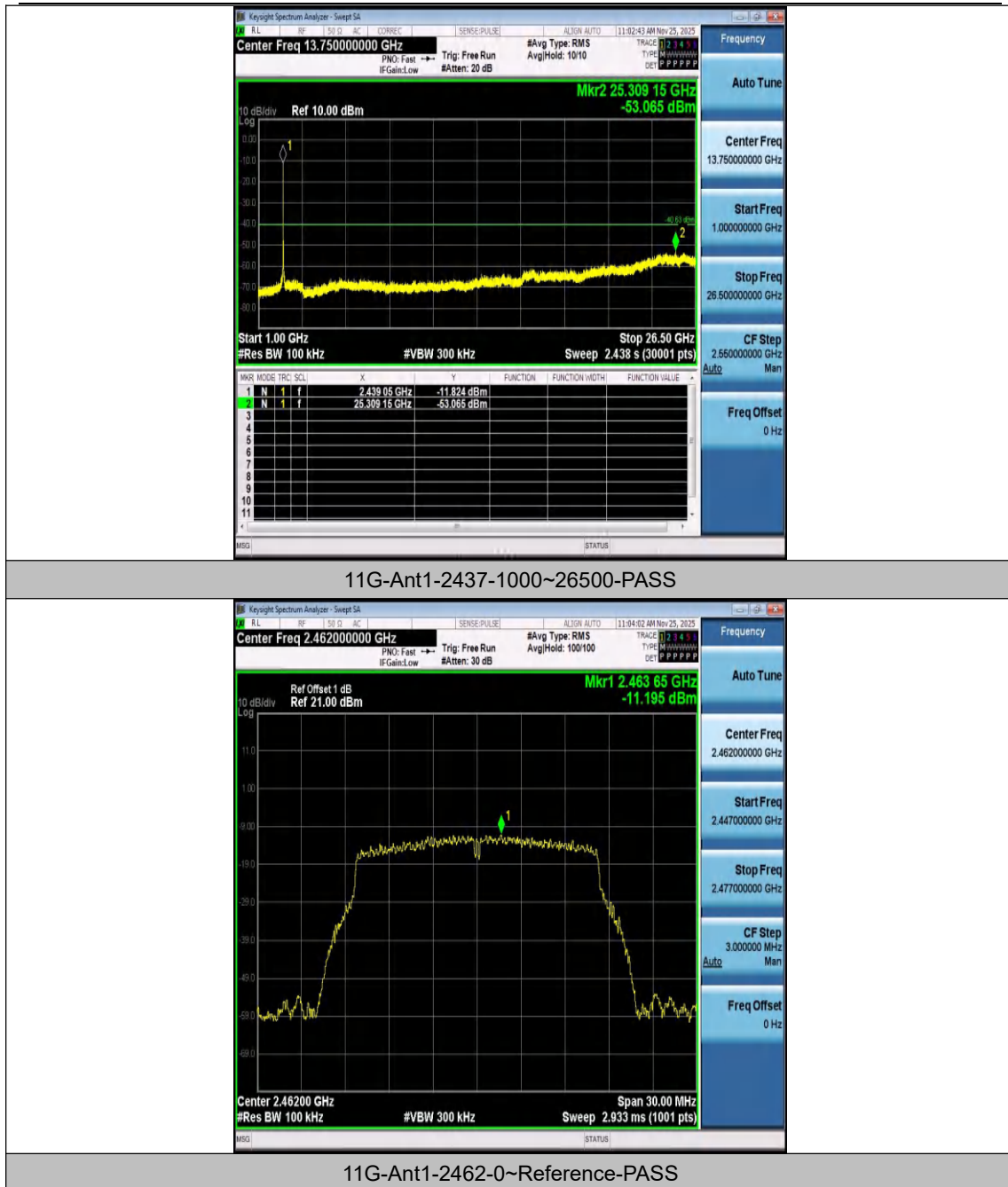
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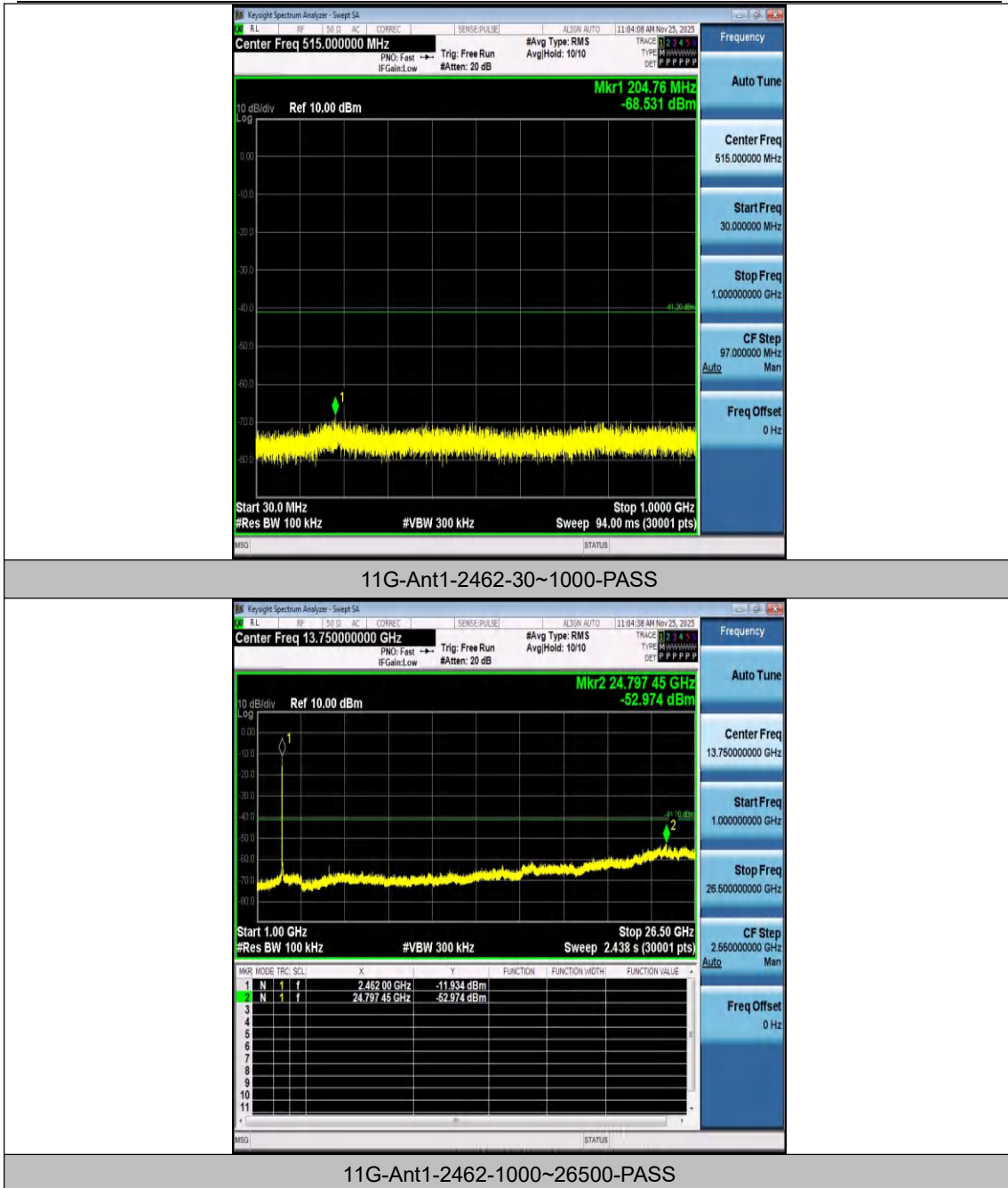
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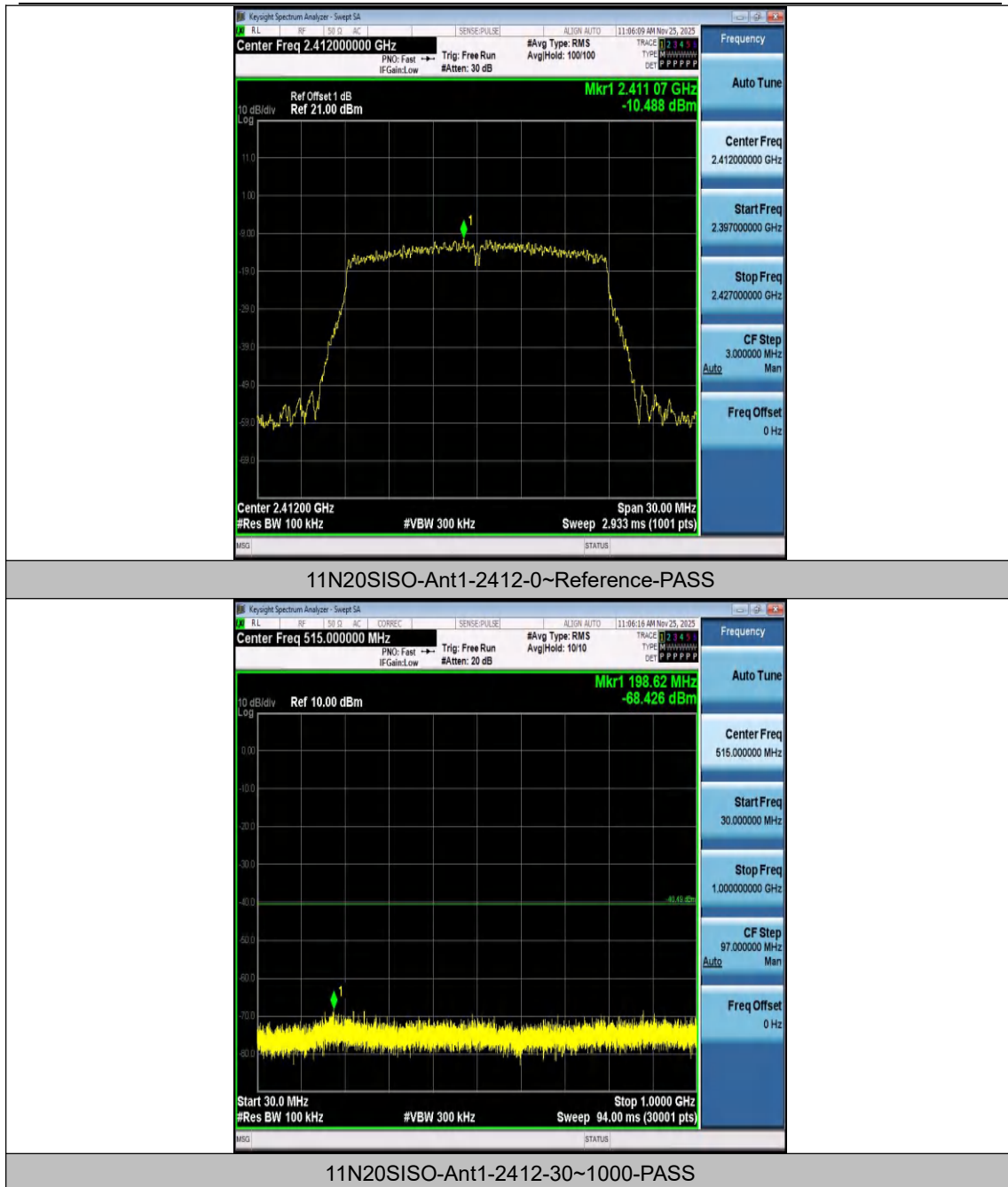
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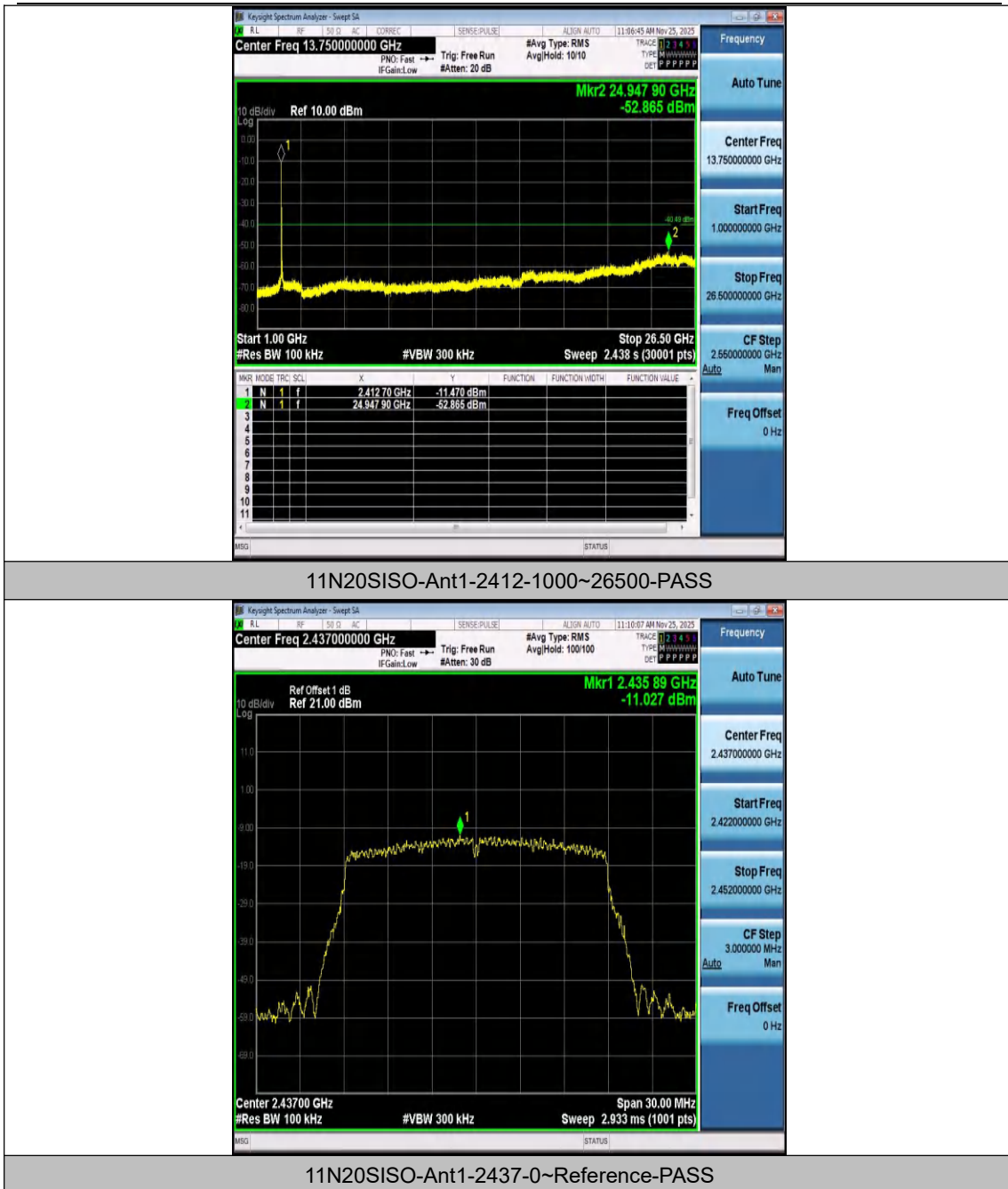
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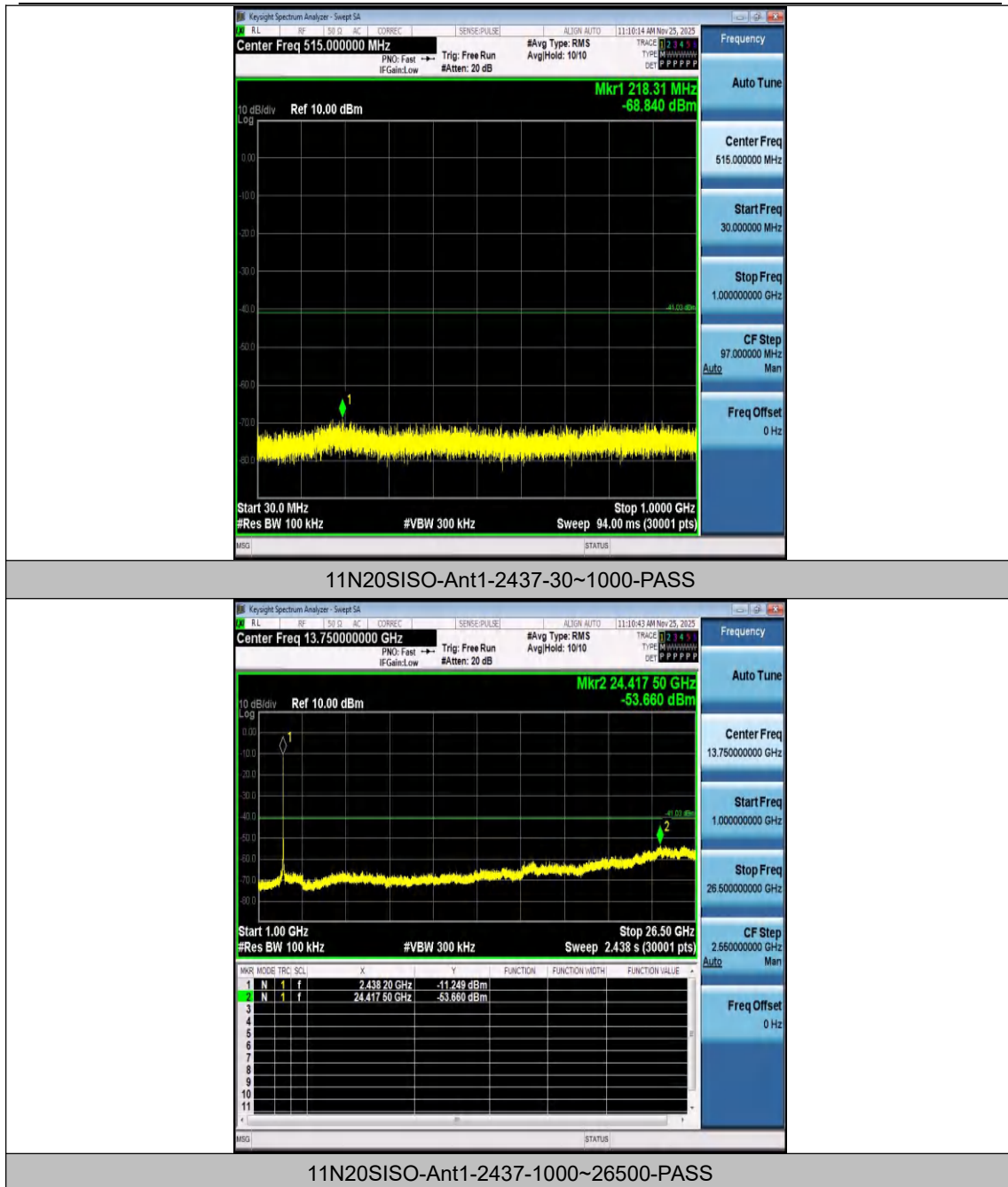
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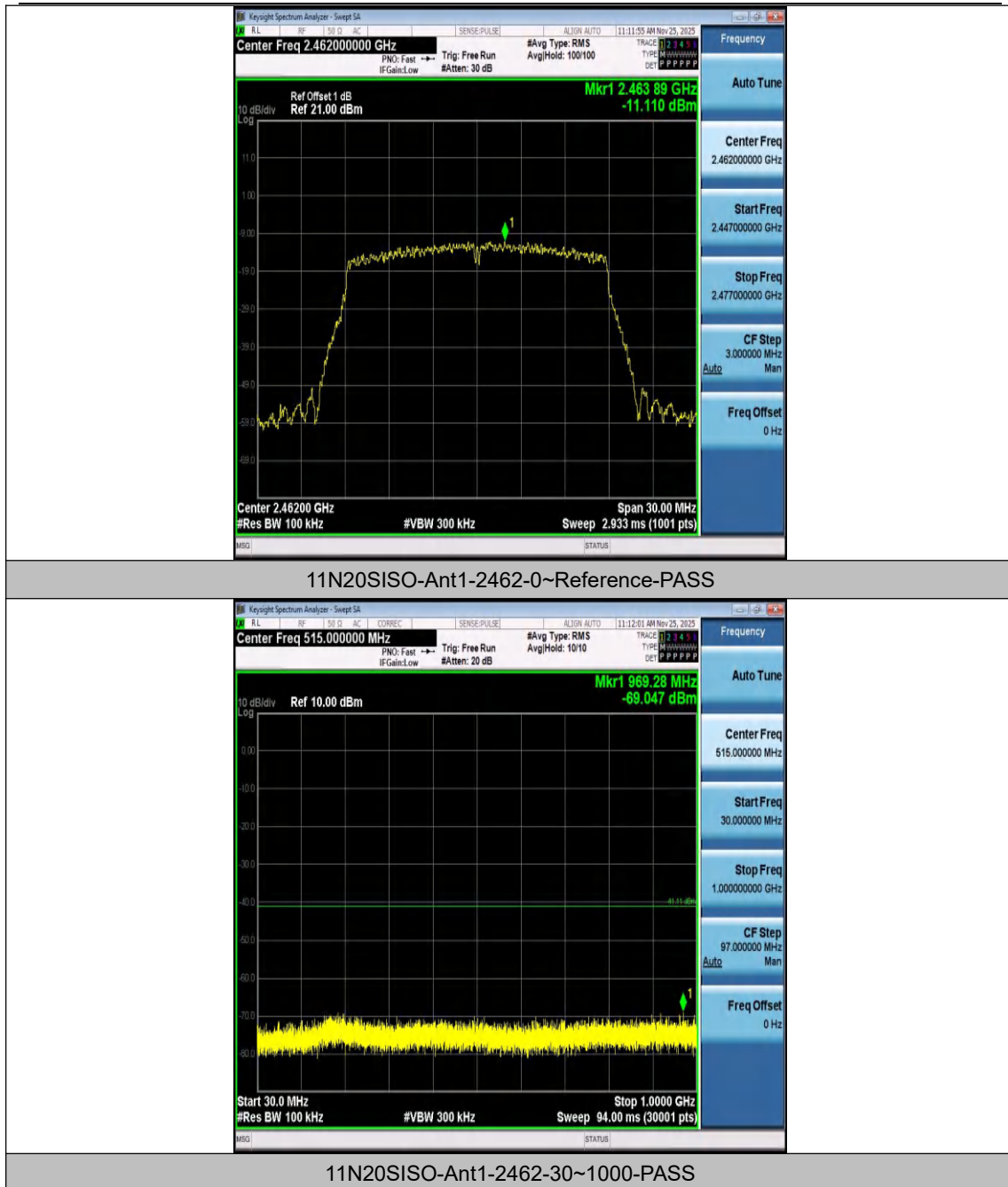
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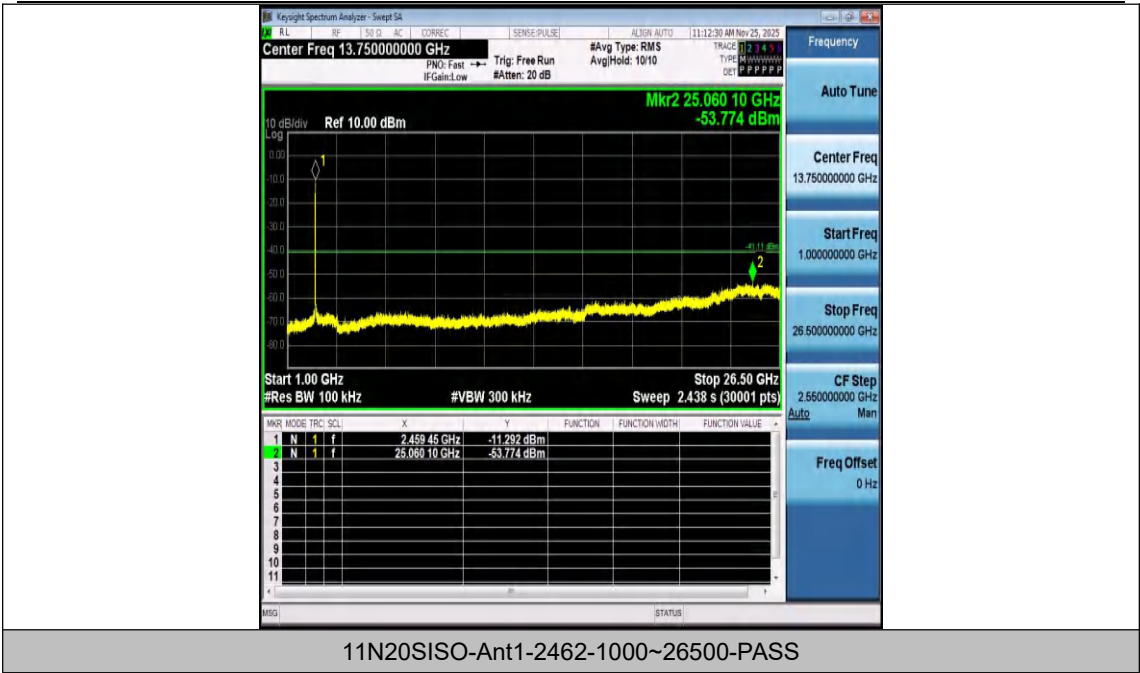
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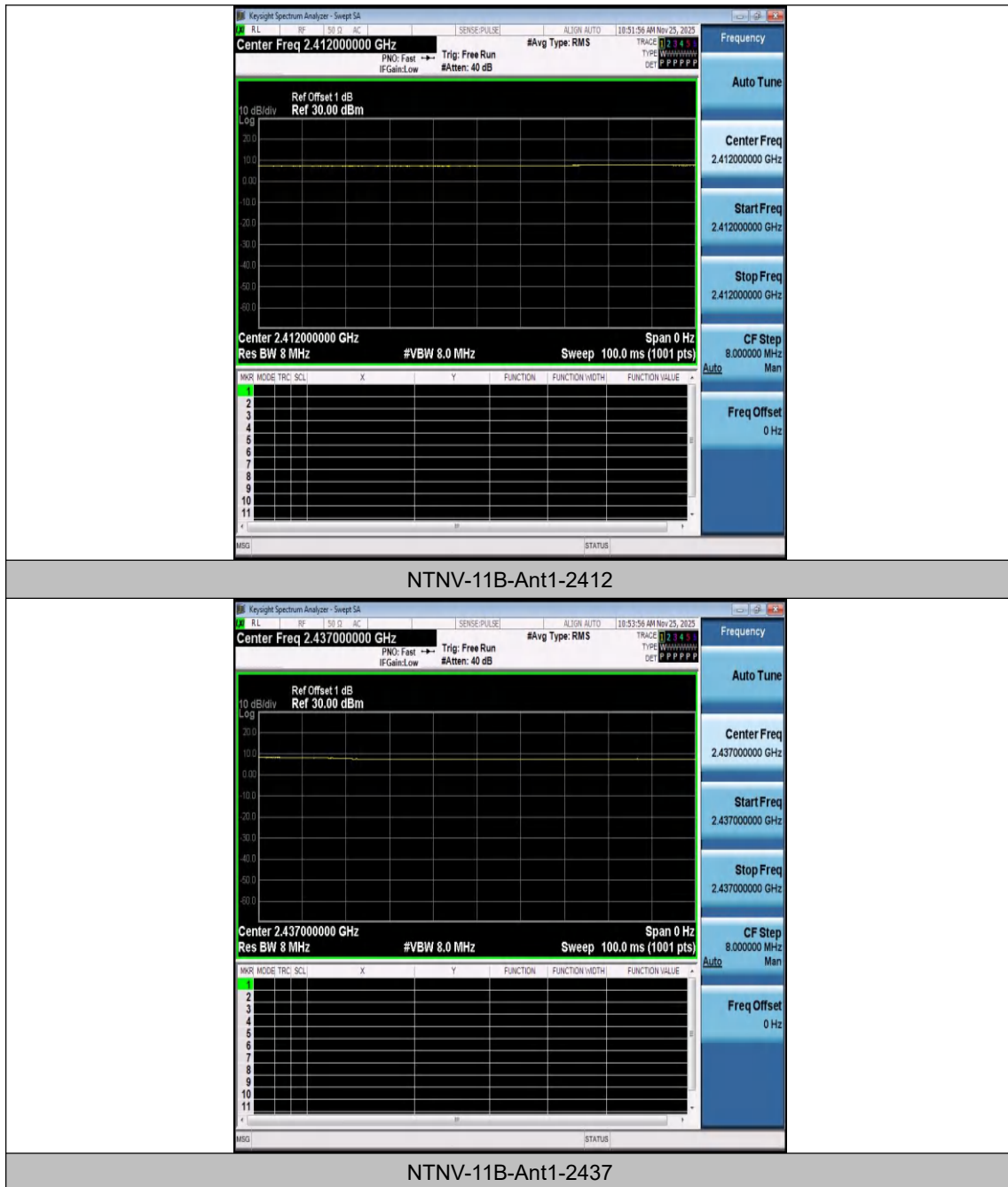
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Appendix G: Duty Cycle

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

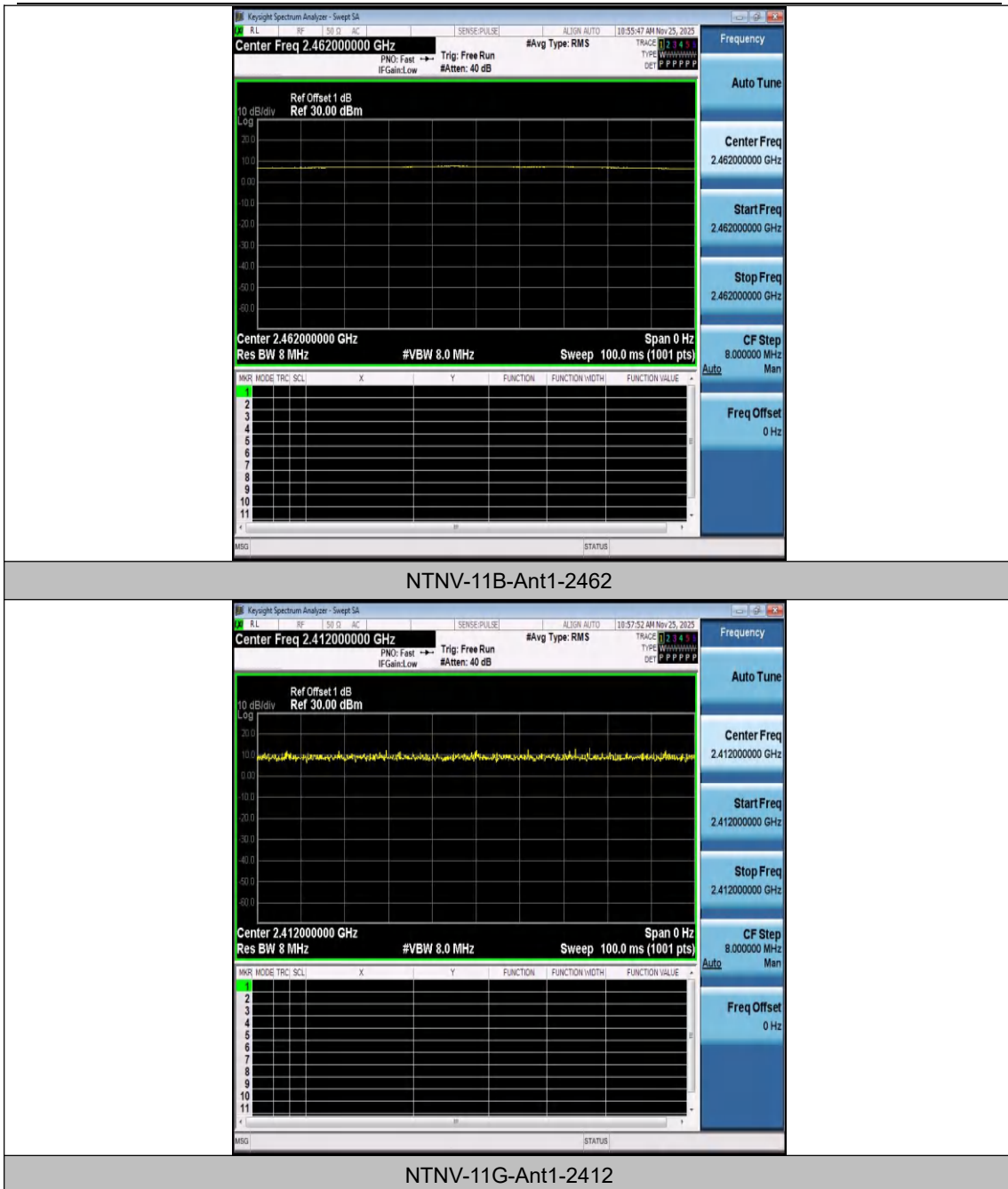
Test Graphs



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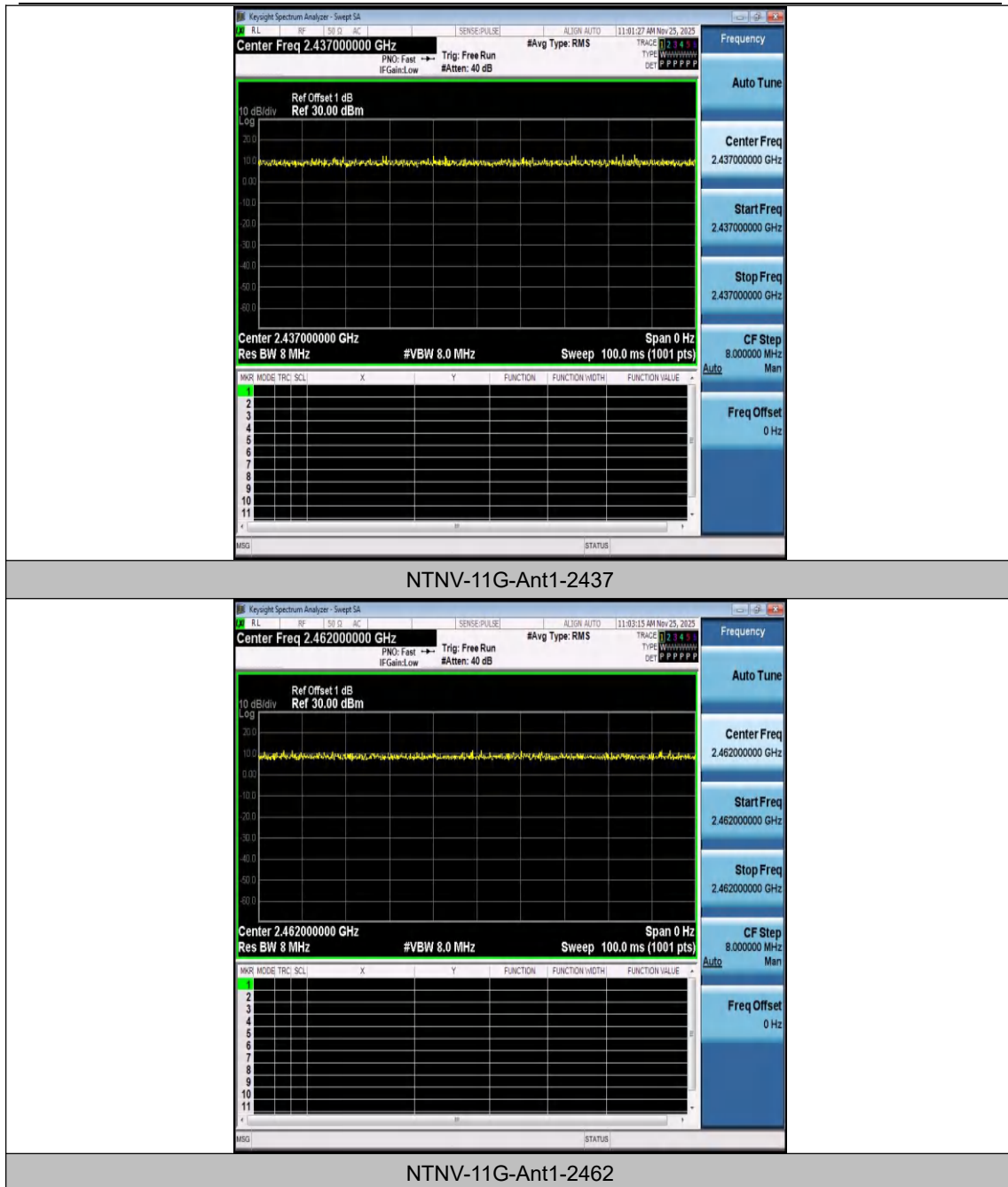
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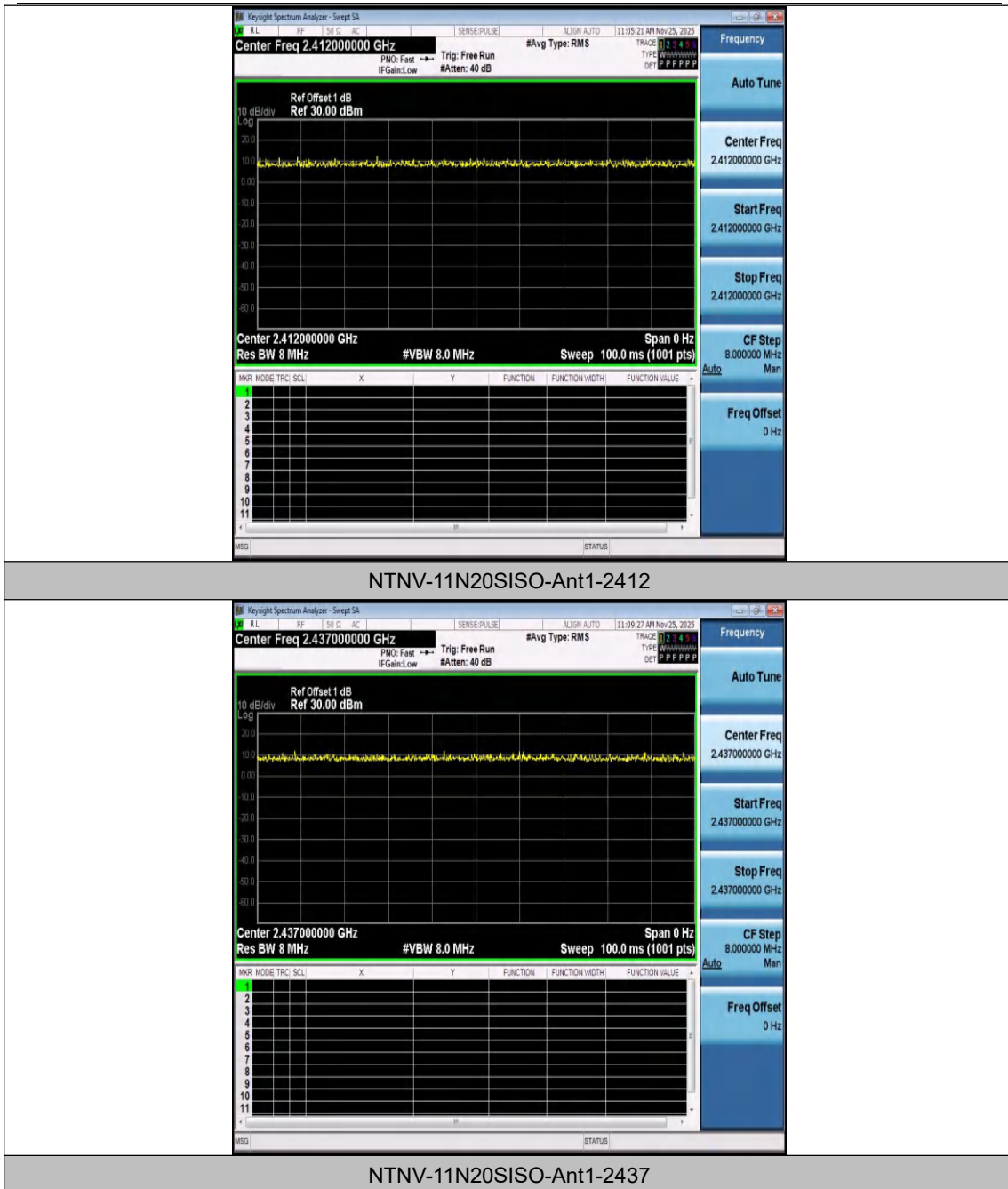
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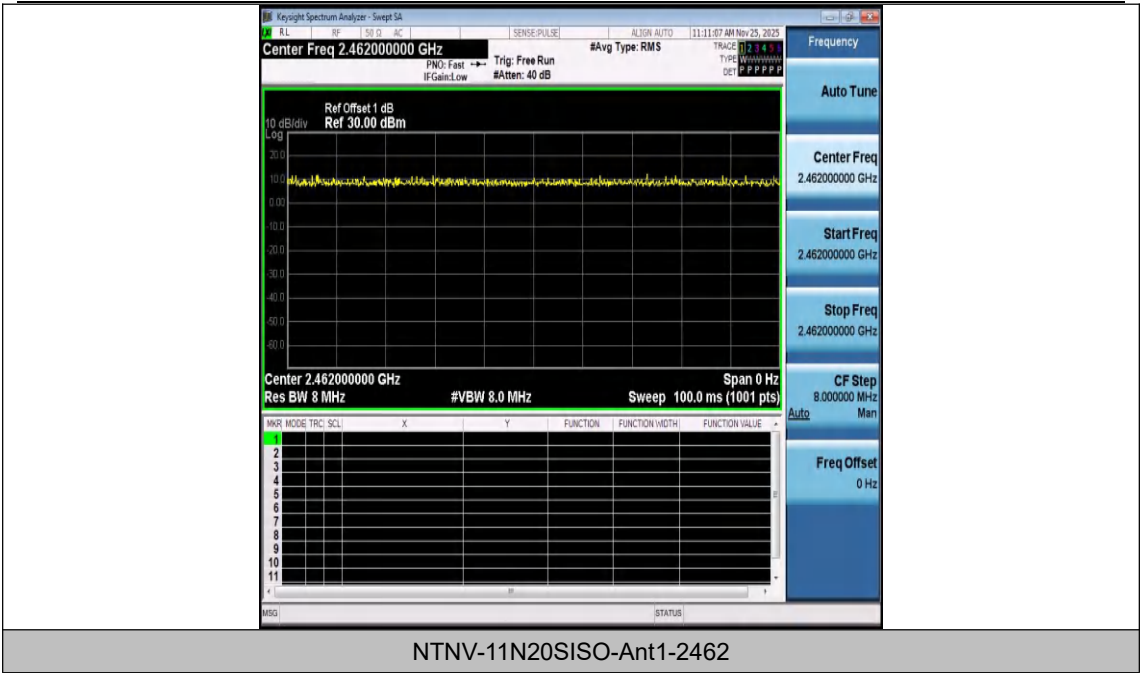
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