

Appendix Test Data

Report No.:	1812C50689312502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-25	Finish Test Date:	2025-12-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.8°C	Relative Humidity:	46%
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	8.200	2432.960	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	15.960	2404.160	2420.120	0.5	PASS
11G	Ant1	2437	16.160	2429.080	2445.240	0.5	PASS
11G	Ant1	2462	16.200	2453.920	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.400	2403.360	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.080	2428.680	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.280	2453.400	2470.680	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.640	2440.000	0.5	PASS
11N40SISO	Ant1	2437	35.840	2419.400	2455.240	0.5	PASS
11N40SISO	Ant1	2452	35.360	2434.720	2470.080	0.5	PASS

Test Graphs

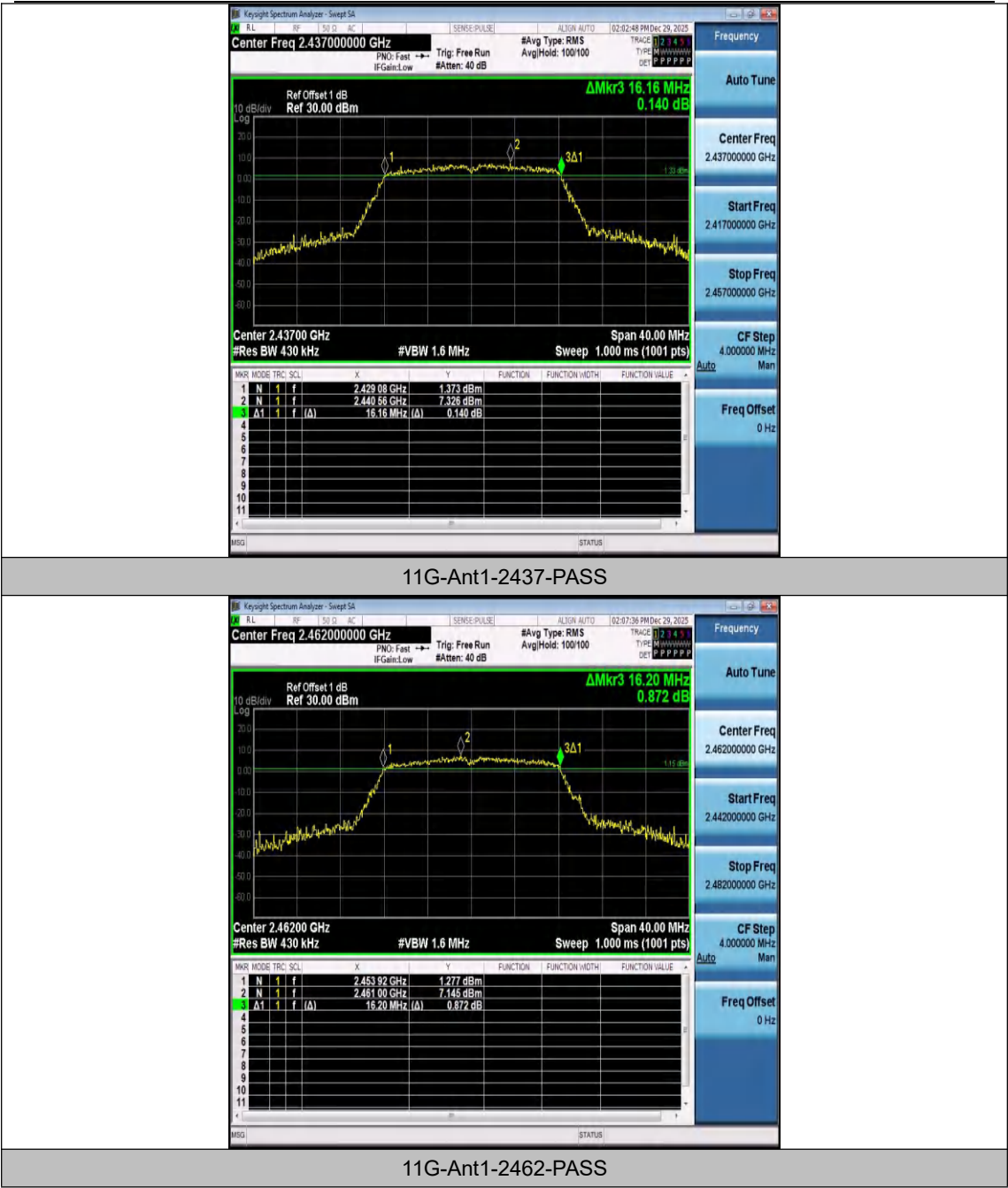


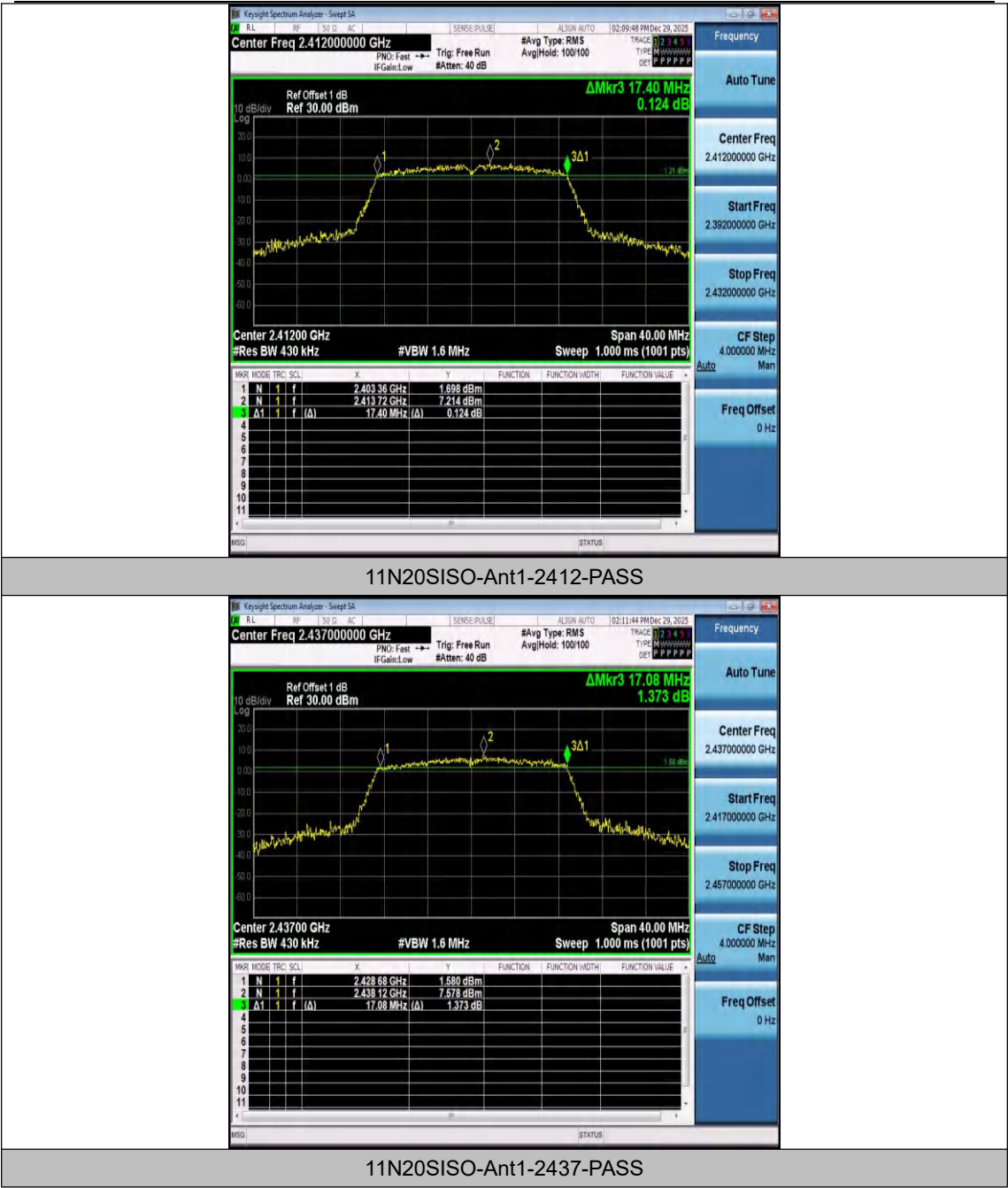
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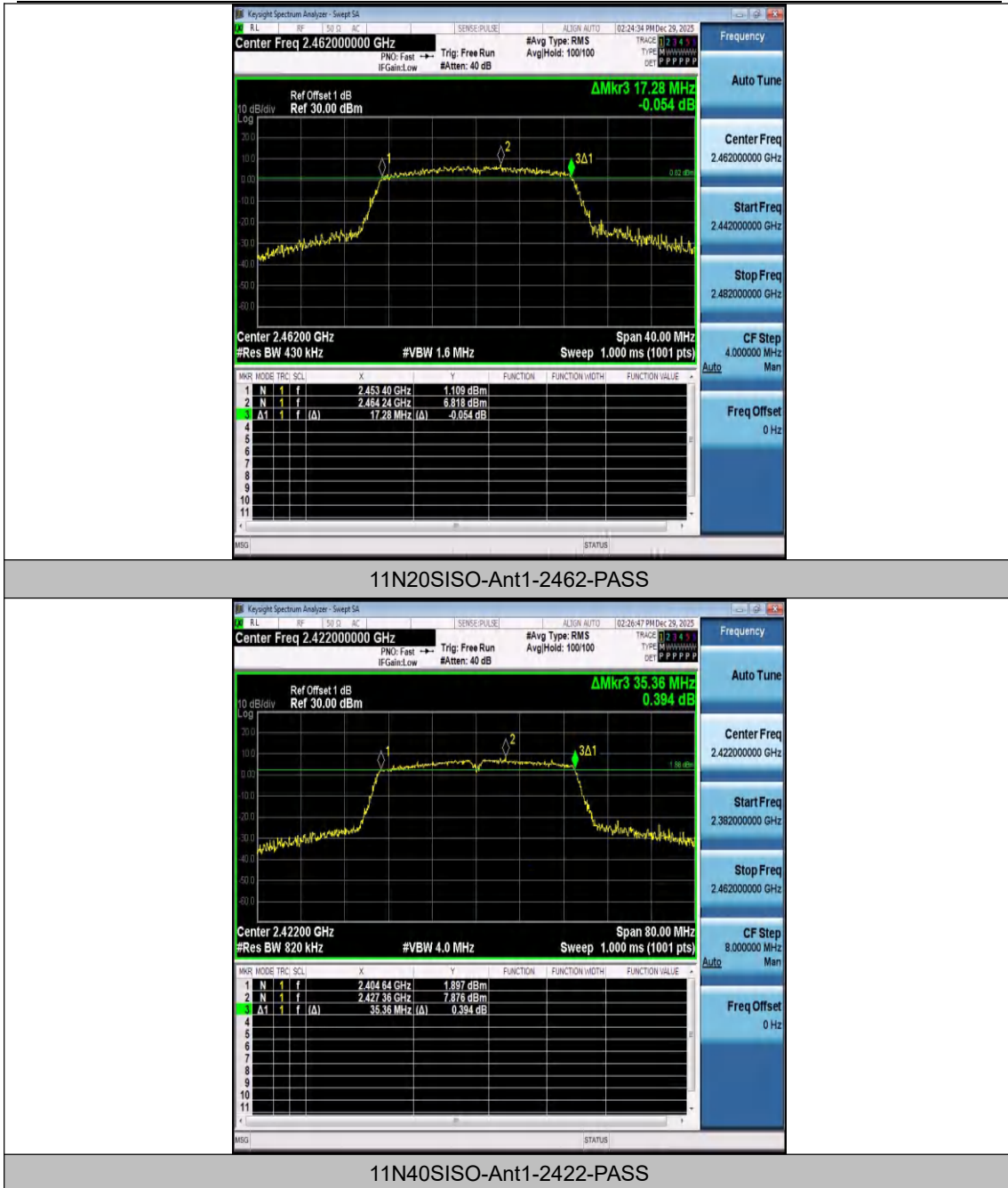
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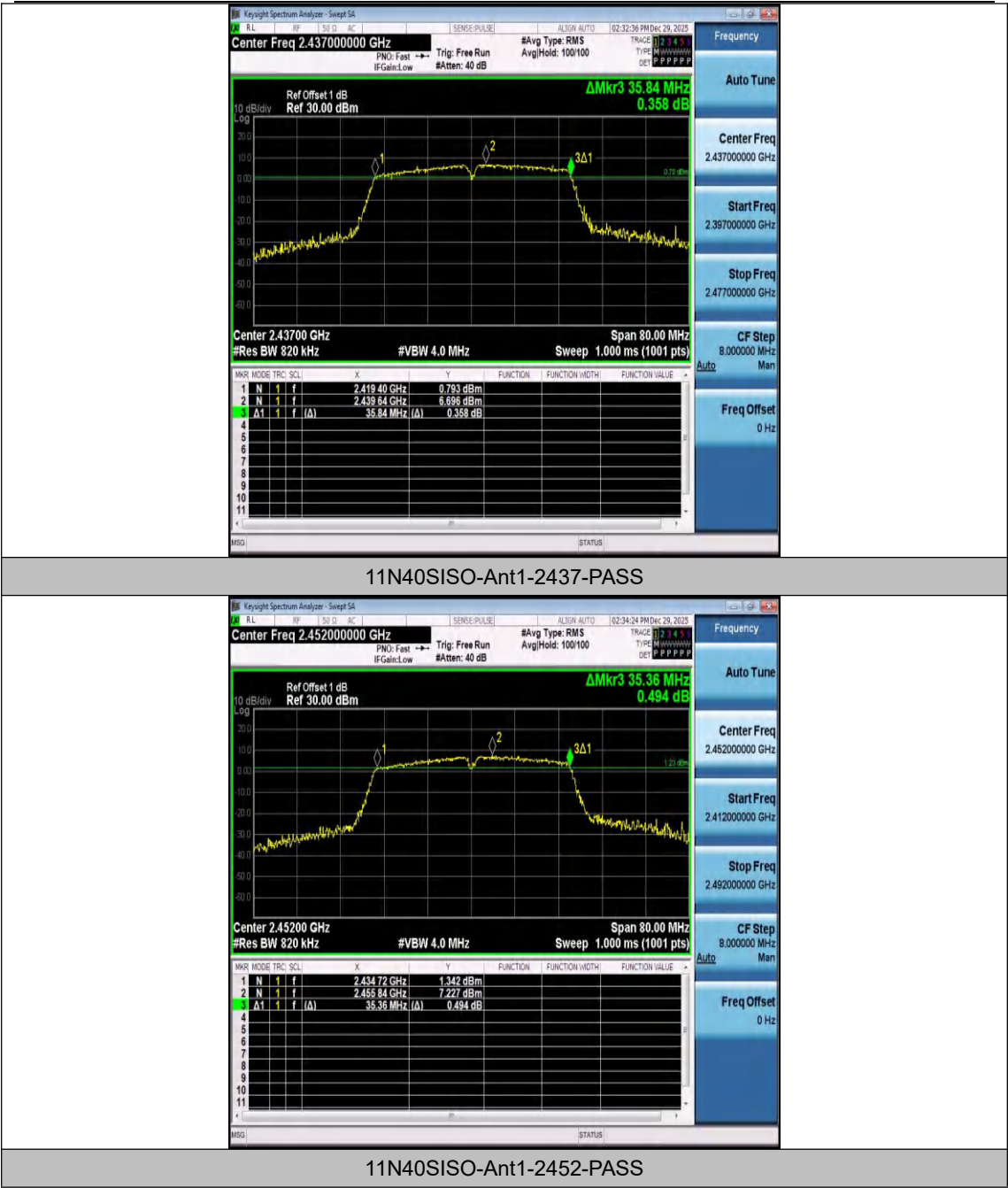




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Appendix B: 99% Occupied Bandwidth

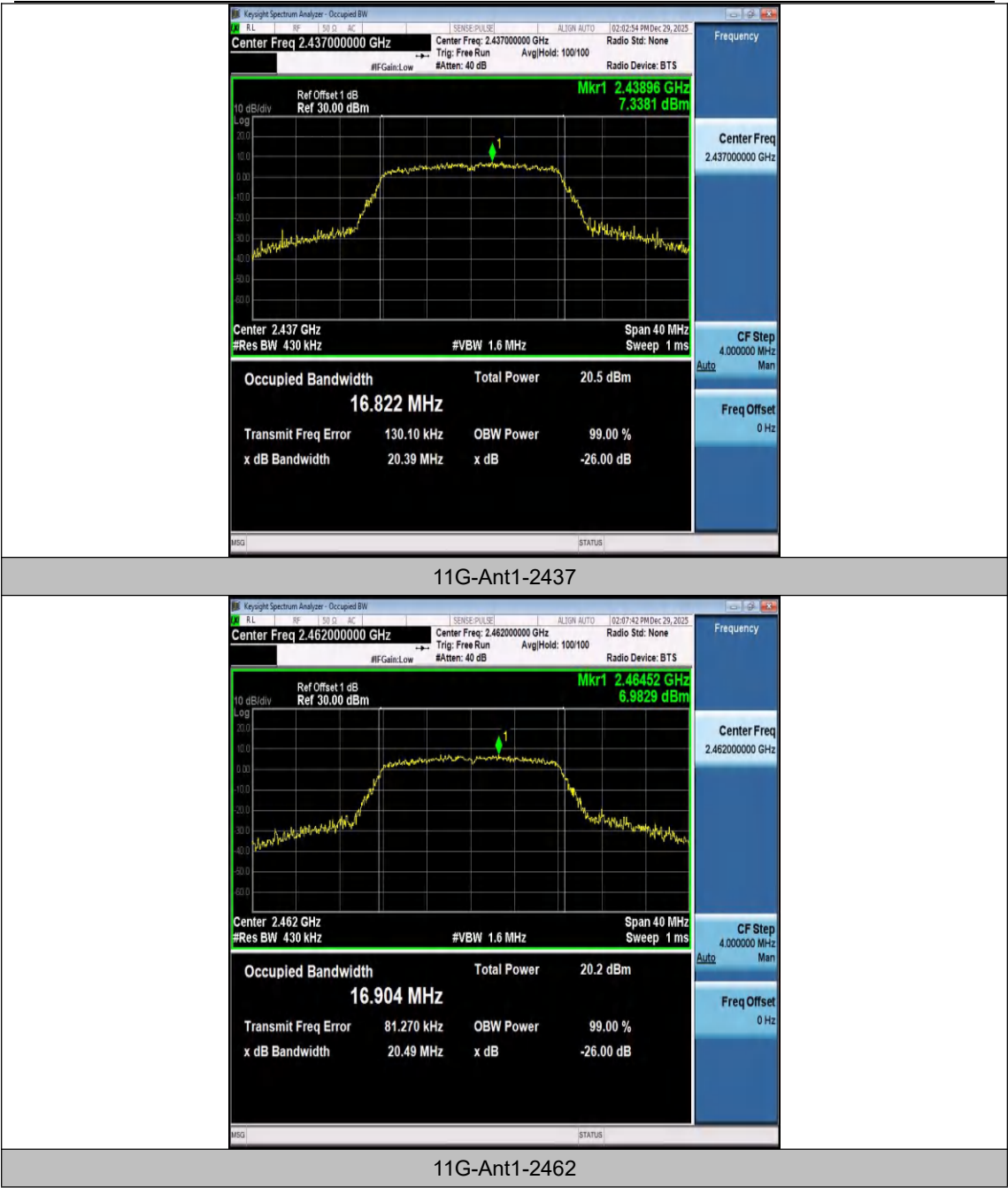
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.863	2405.6485	2418.5115	---	---
11B	Ant1	2437	12.812	2430.7279	2443.5399	---	---
11B	Ant1	2462	12.797	2455.7058	2468.5028	---	---
11G	Ant1	2412	16.828	2403.6325	2420.4605	---	---
11G	Ant1	2437	16.822	2428.7191	2445.5411	---	---
11G	Ant1	2462	16.904	2453.6293	2470.5333	---	---
11N20SISO	Ant1	2412	17.848	2403.1606	2421.0086	---	---
11N20SISO	Ant1	2437	17.863	2428.1686	2446.0316	---	---
11N20SISO	Ant1	2462	17.806	2453.2044	2471.0104	---	---
11N40SISO	Ant1	2422	36.244	2404.1537	2440.3977	---	---
11N40SISO	Ant1	2437	36.232	2419.1200	2455.3520	---	---
11N40SISO	Ant1	2452	36.213	2434.1874	2470.4004	---	---

Test Graphs

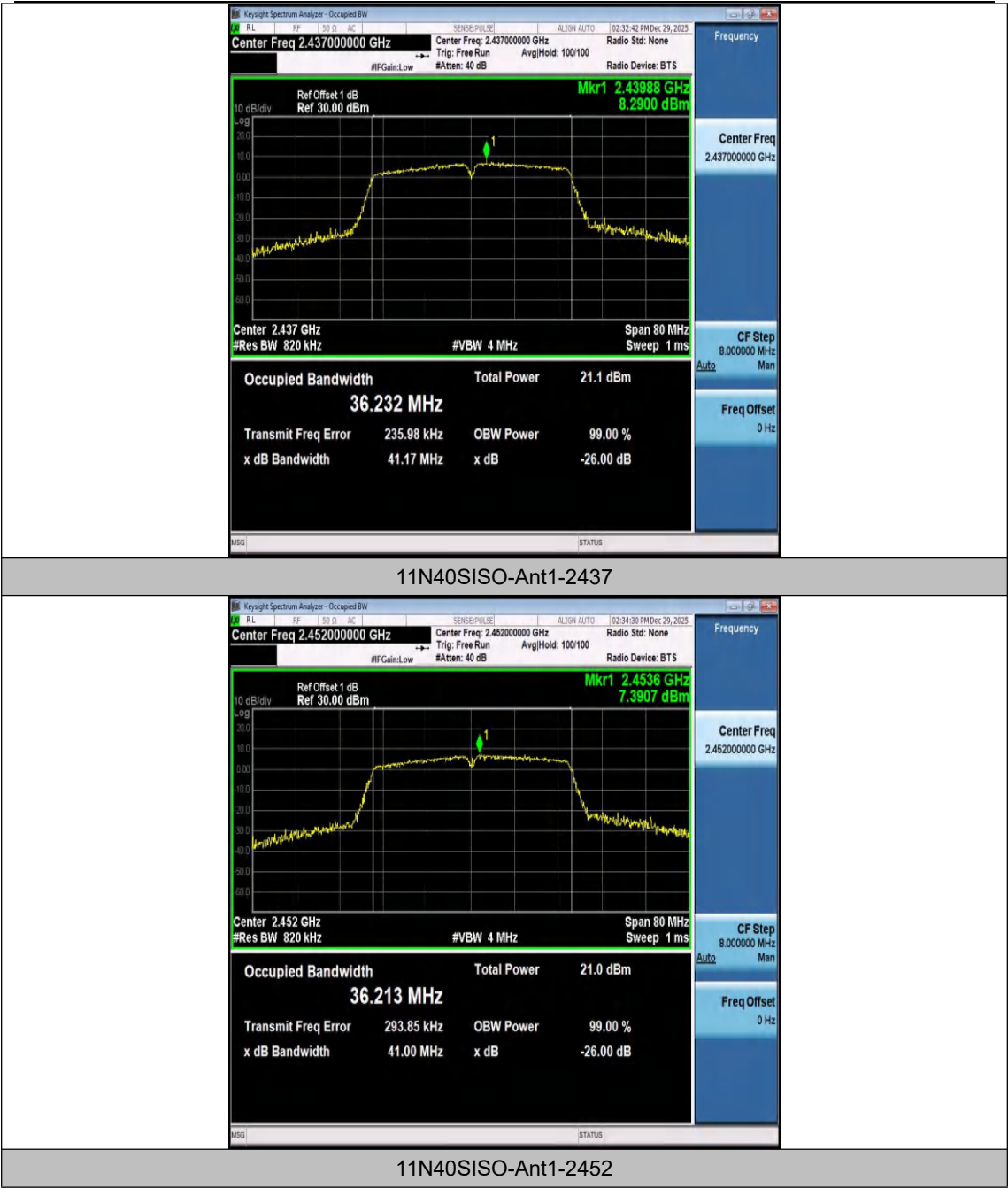












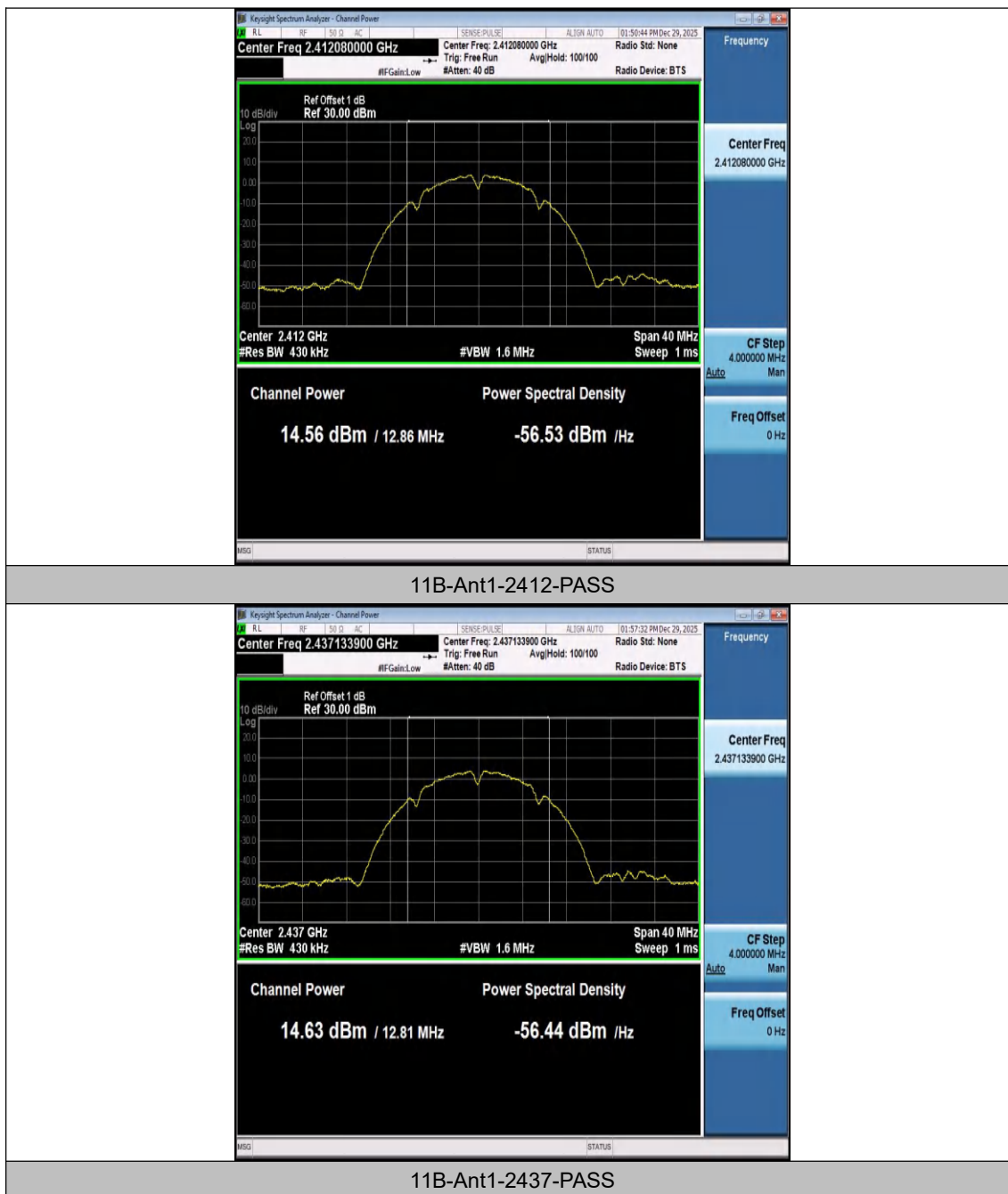
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.56	≤30.00	PASS
11B	Ant1	2437	14.63	≤30.00	PASS
11B	Ant1	2462	14.42	≤30.00	PASS
11G	Ant1	2412	14.38	≤30.00	PASS
11G	Ant1	2437	14.22	≤30.00	PASS
11G	Ant1	2462	14.15	≤30.00	PASS
11N20SISO	Ant1	2412	14.28	≤30.00	PASS
11N20SISO	Ant1	2437	13.96	≤30.00	PASS
11N20SISO	Ant1	2462	13.85	≤30.00	PASS
11N40SISO	Ant1	2422	14.31	≤30.00	PASS
11N40SISO	Ant1	2437	14.16	≤30.00	PASS
11N40SISO	Ant1	2452	14.15	≤30.00	PASS

Note: The cable loss are compensated in the graph.

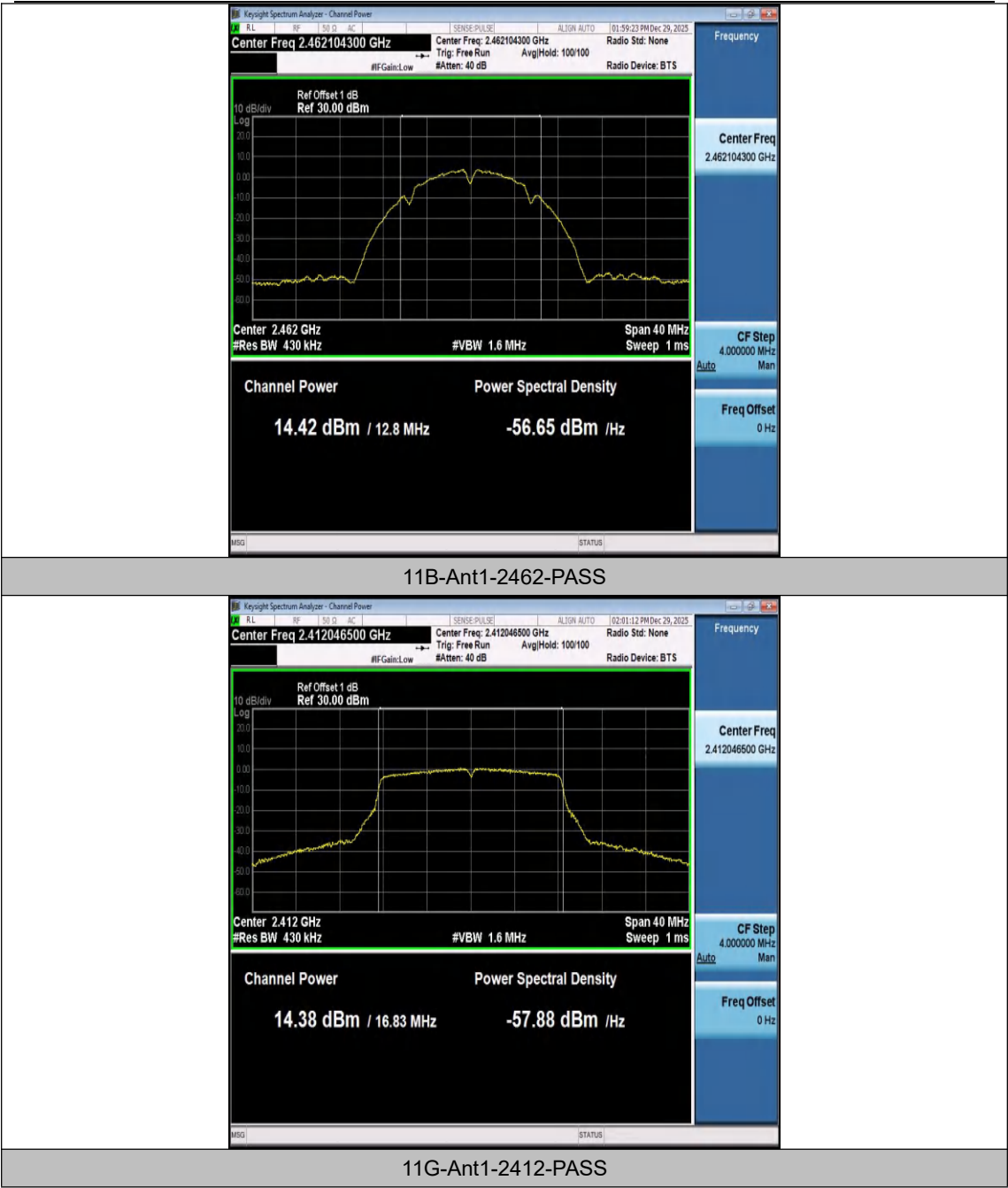
Test Graphs Average

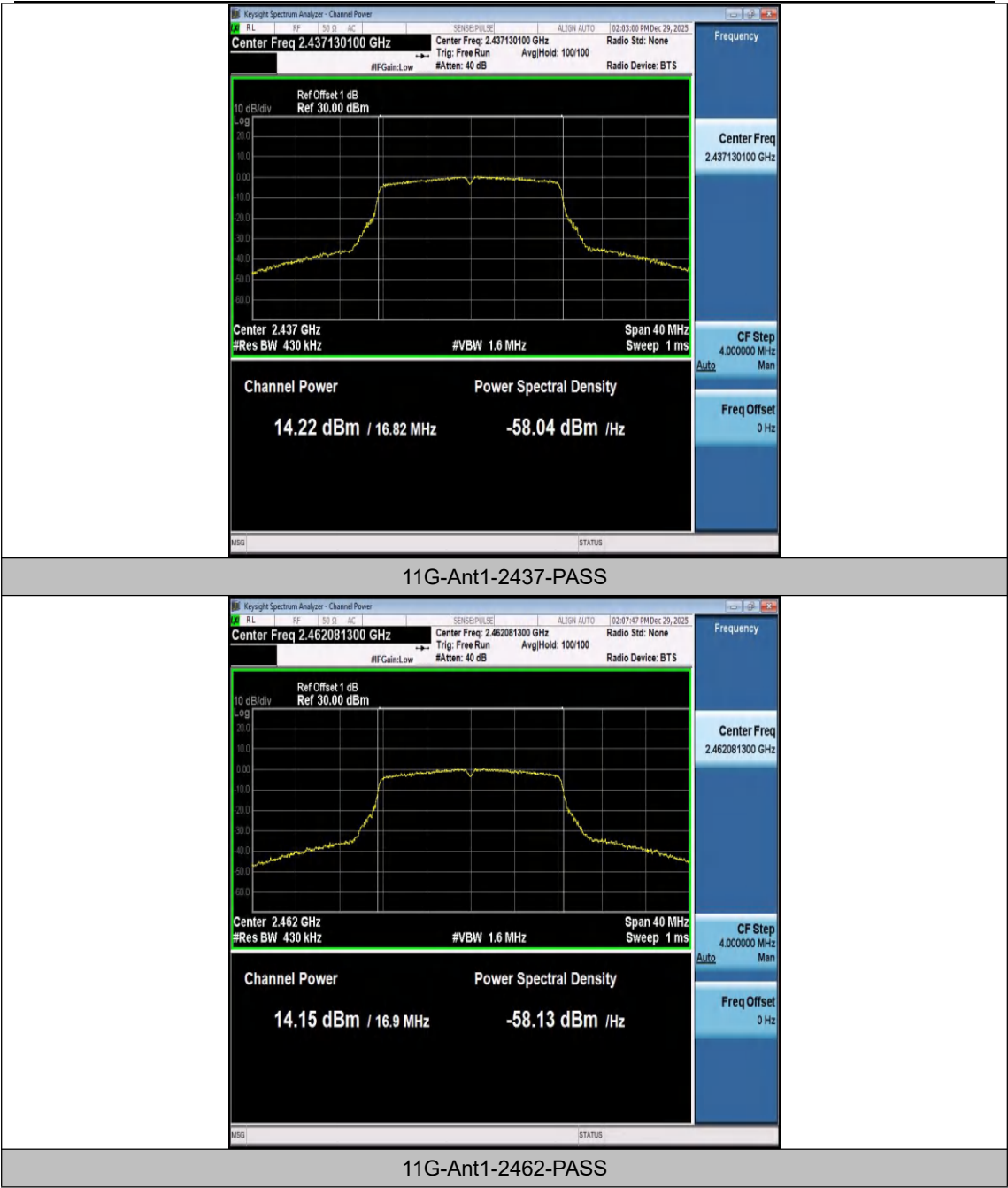


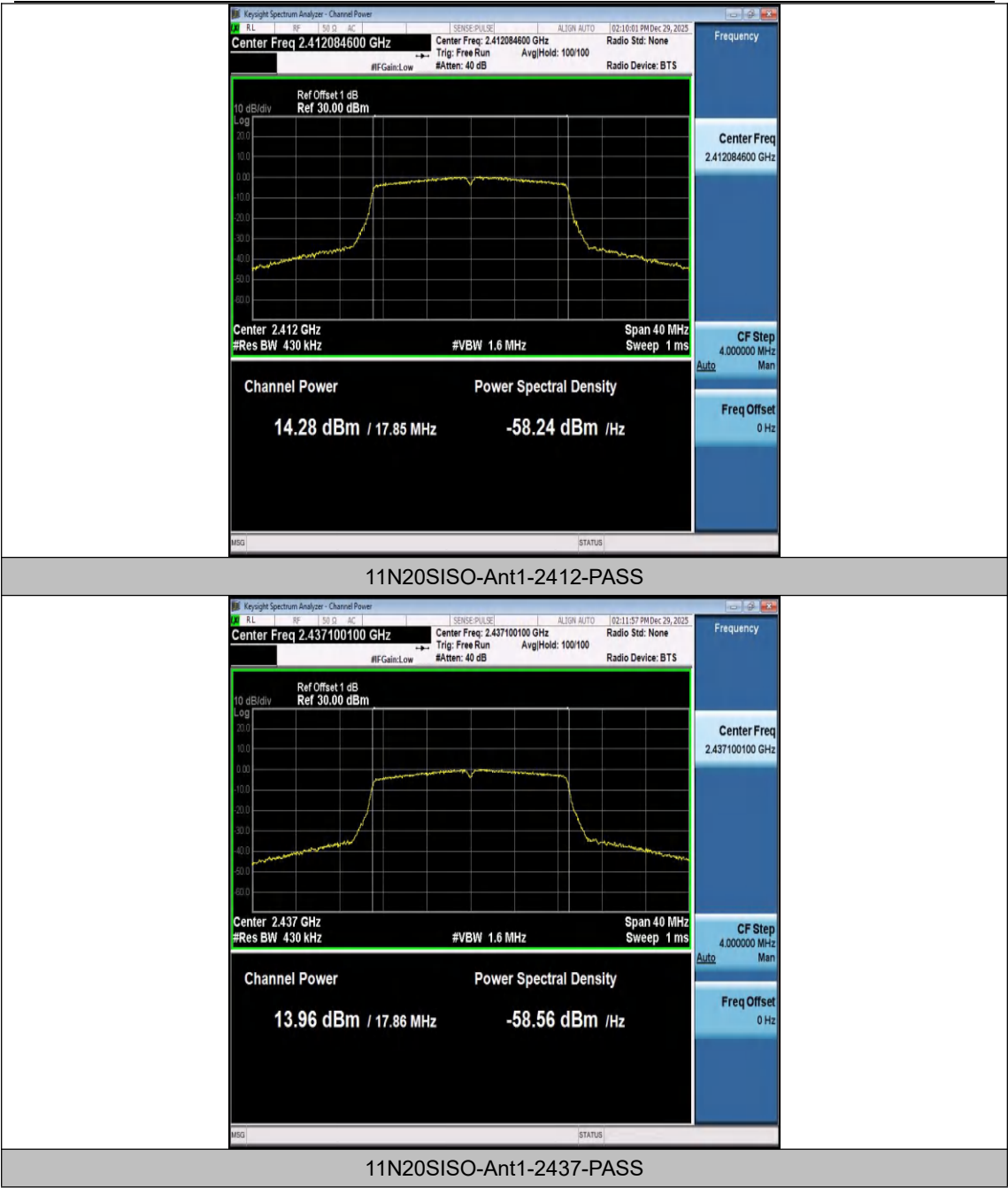
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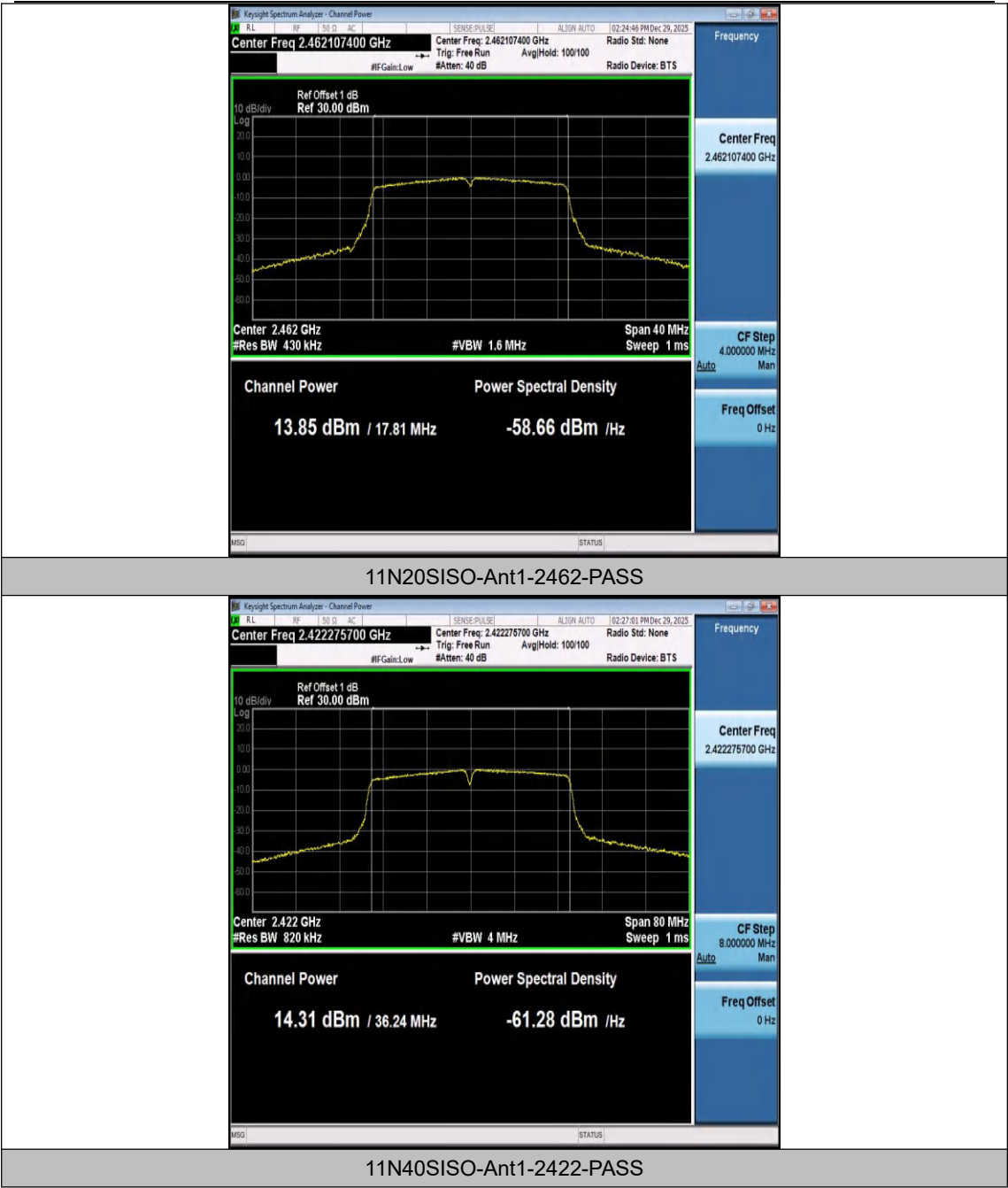
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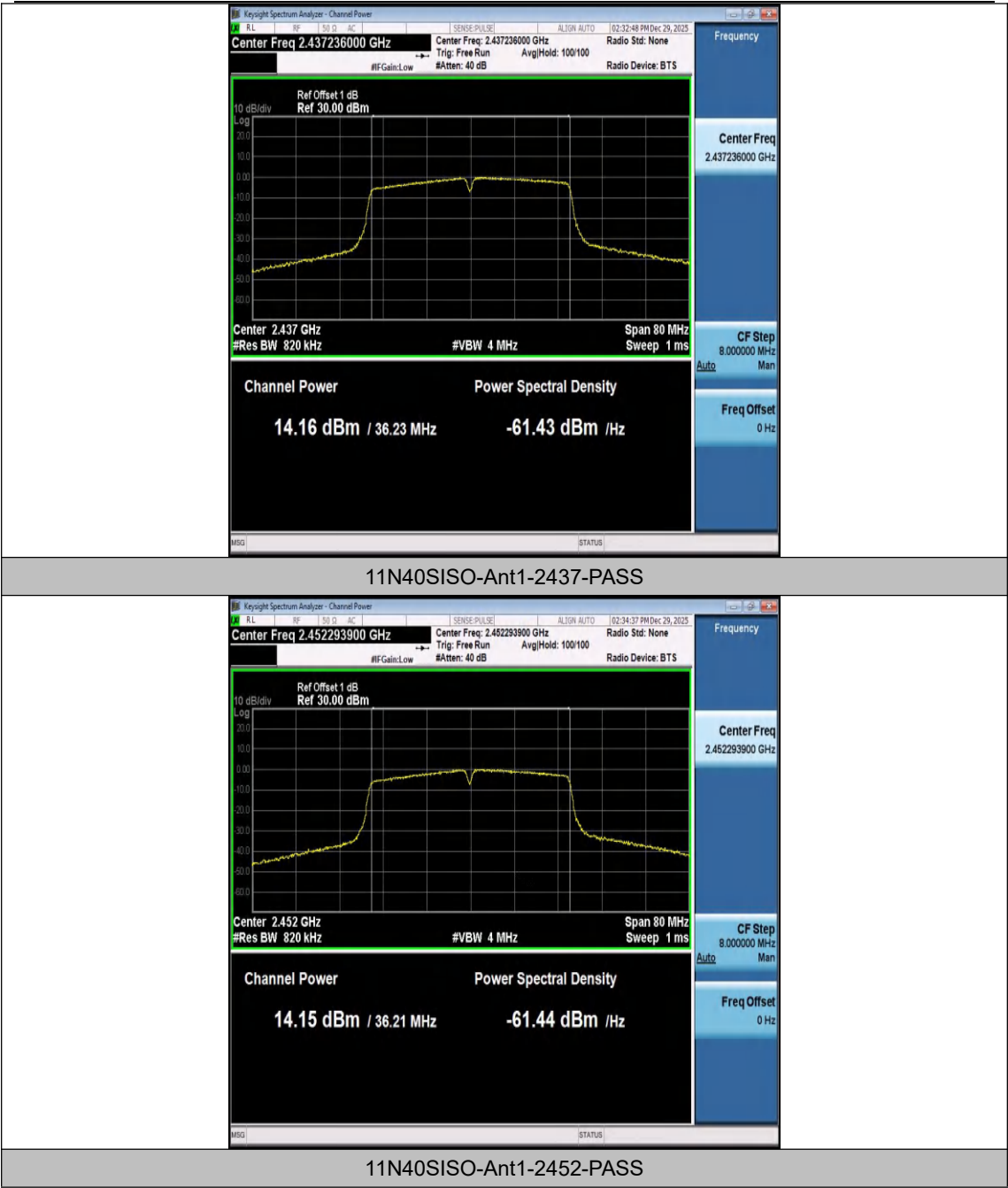
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Appendix D: Maximum power spectral density

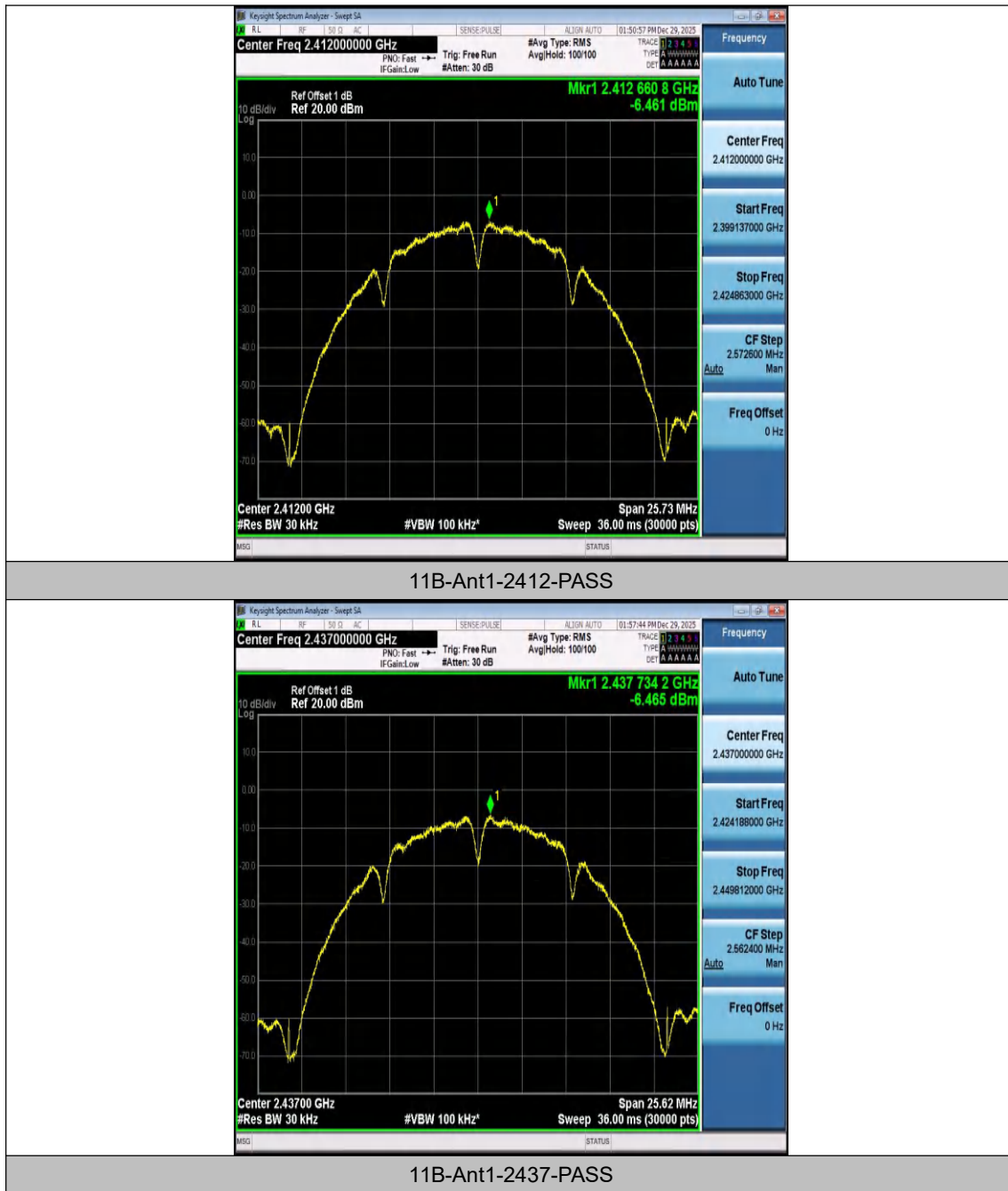
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.46	≤8.00	PASS
11B	Ant1	2437	-6.47	≤8.00	PASS
11B	Ant1	2462	-6.92	≤8.00	PASS
11G	Ant1	2412	-8.87	≤8.00	PASS
11G	Ant1	2437	-9.11	≤8.00	PASS
11G	Ant1	2462	-9.59	≤8.00	PASS
11N20SIS O	Ant1	2412	-9.36	≤8.00	PASS
11N20SIS O	Ant1	2437	-10.11	≤8.00	PASS
11N20SIS O	Ant1	2462	-9.68	≤8.00	PASS
11N40SIS O	Ant1	2422	-12.58	≤8.00	PASS
11N40SIS O	Ant1	2437	-12.71	≤8.00	PASS
11N40SIS O	Ant1	2452	-12.45	≤8.00	PASS

Note:

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

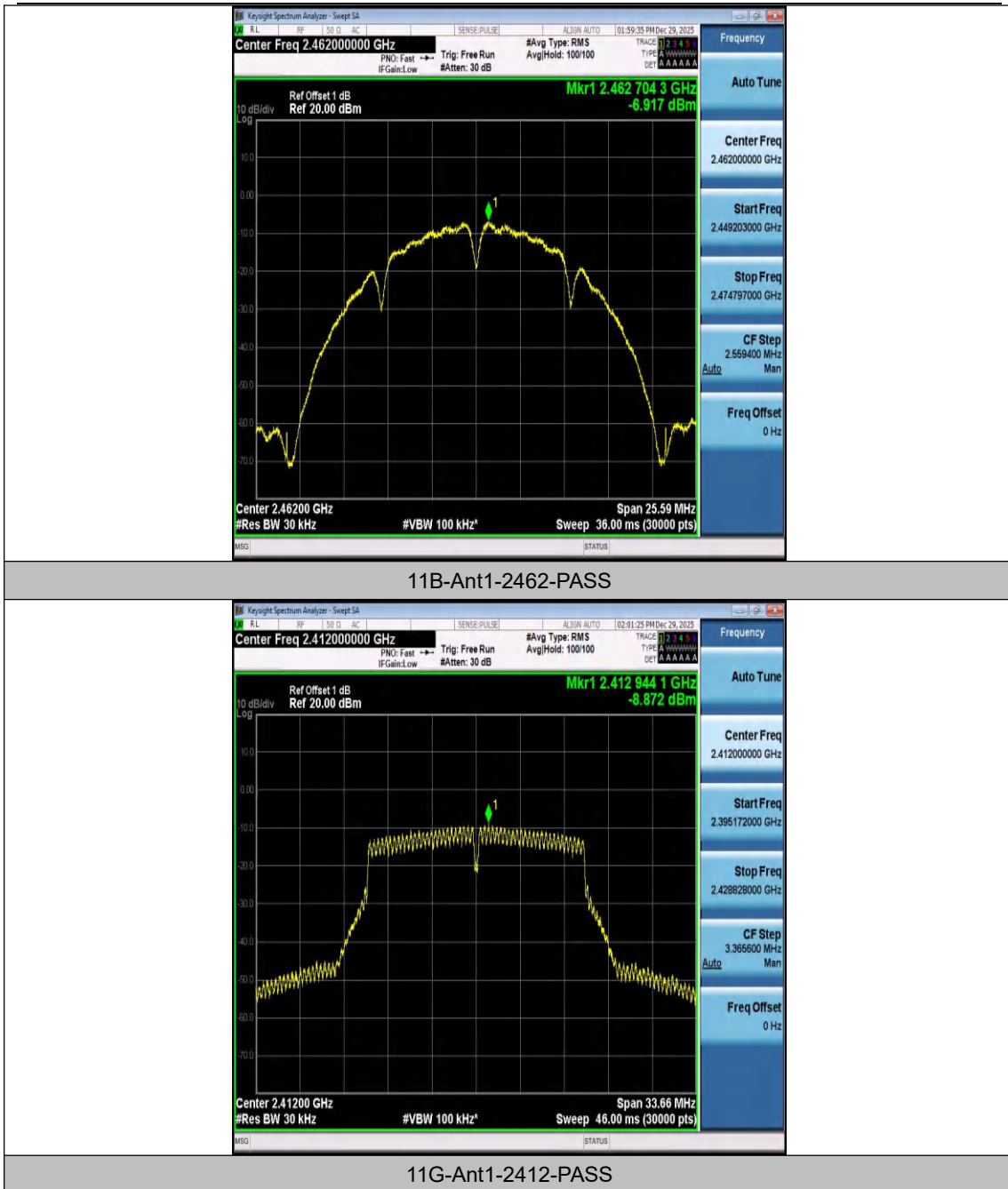
Test Graphs



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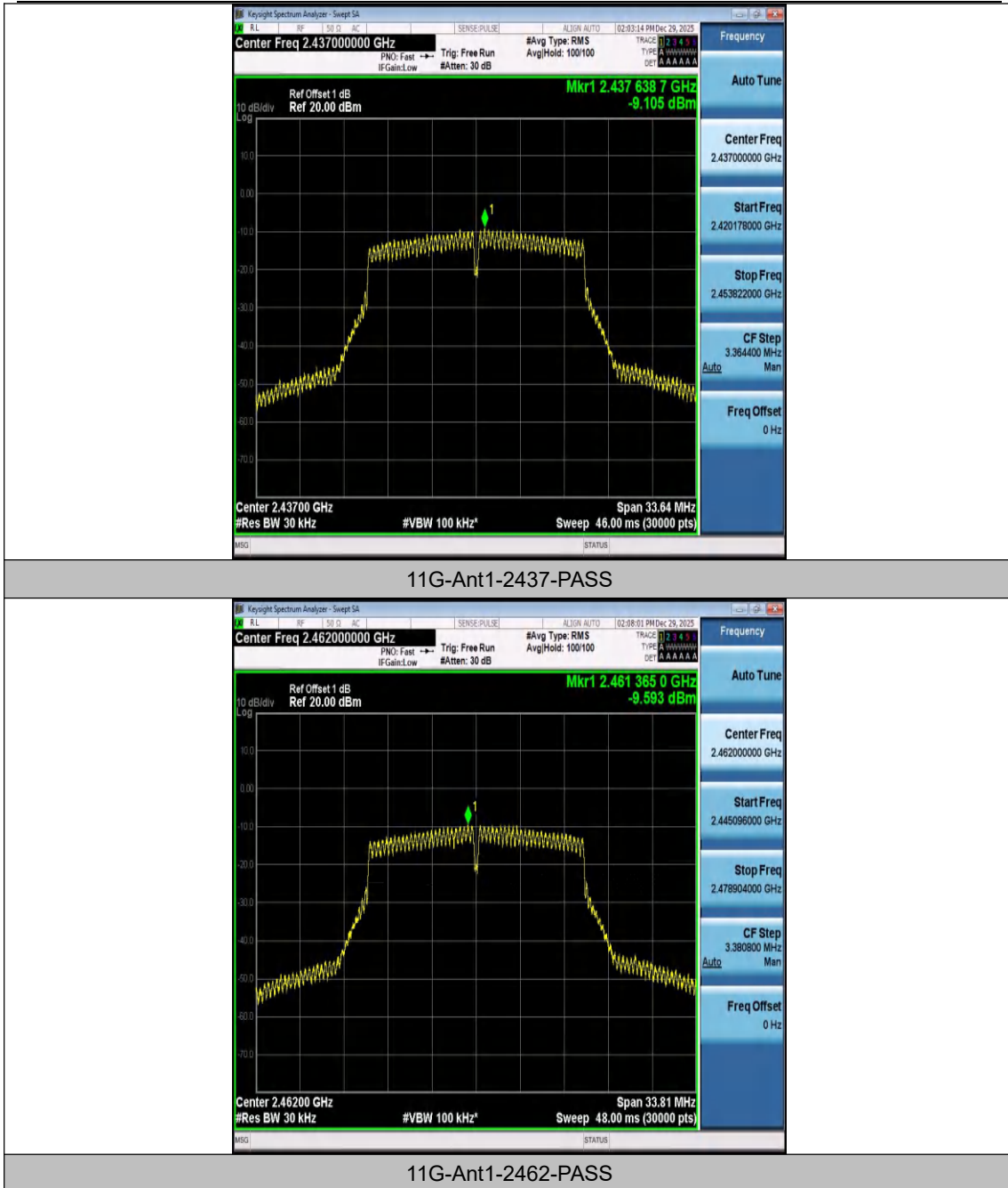
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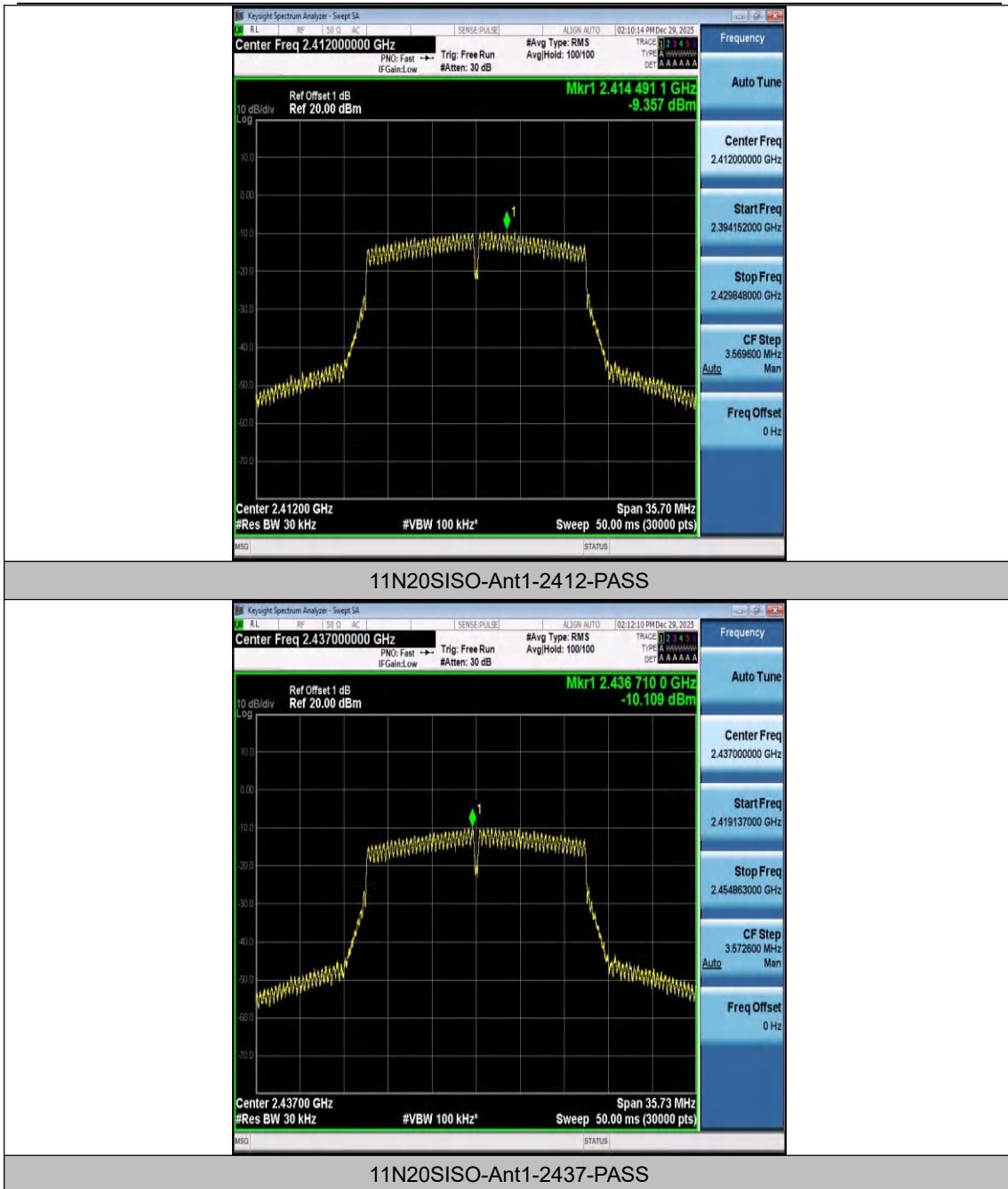
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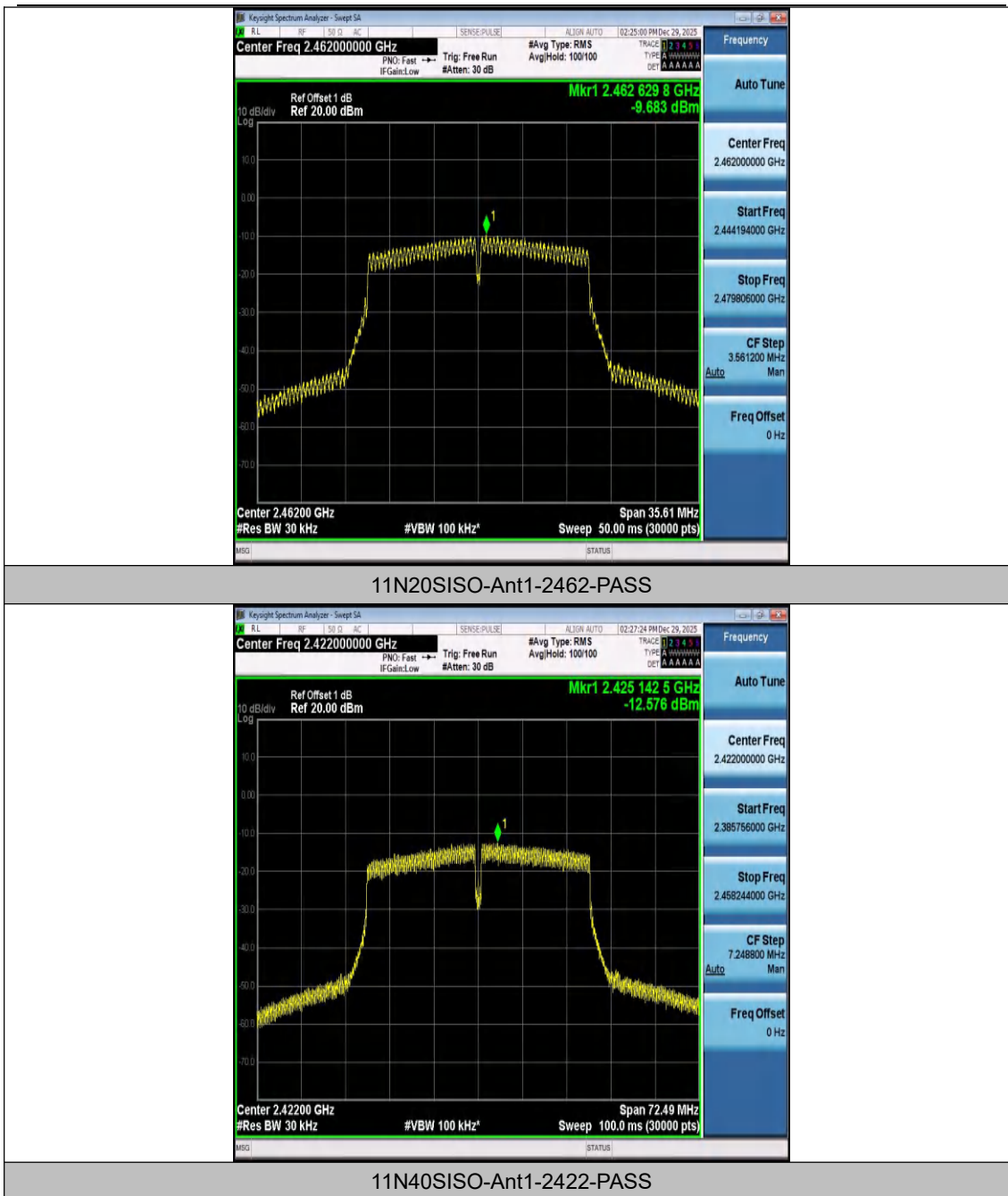
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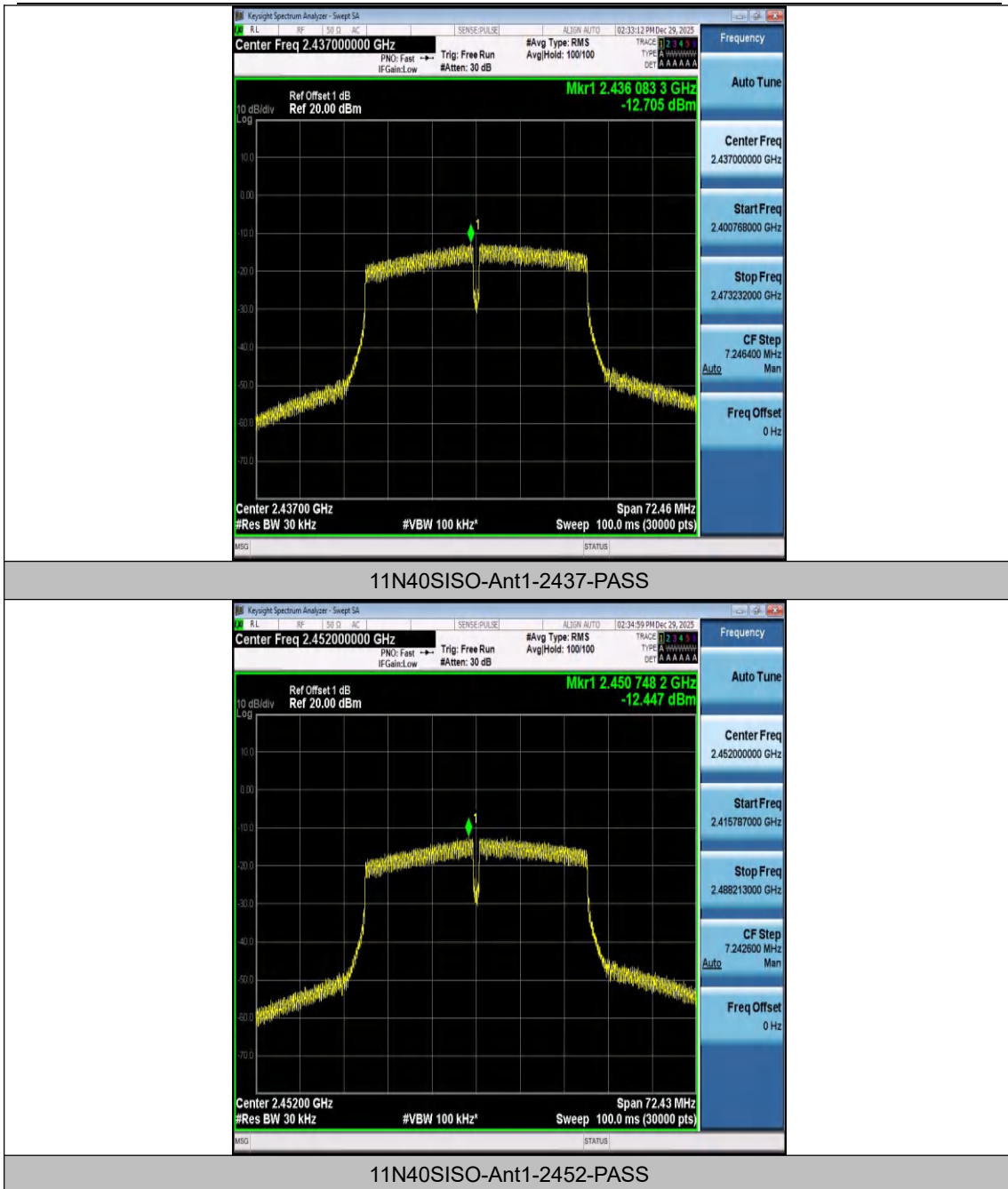
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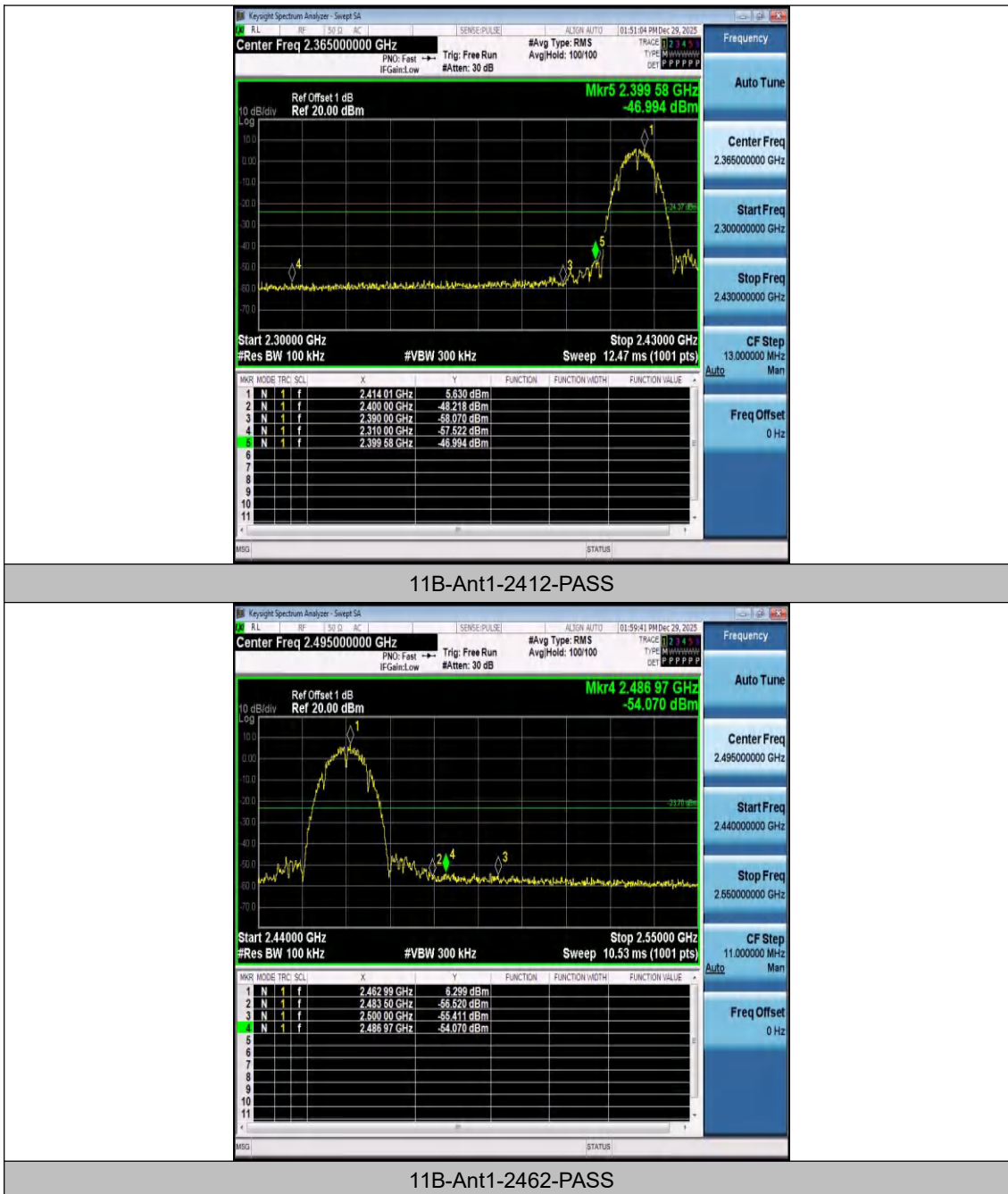
Appendix E: Conducted Band edge

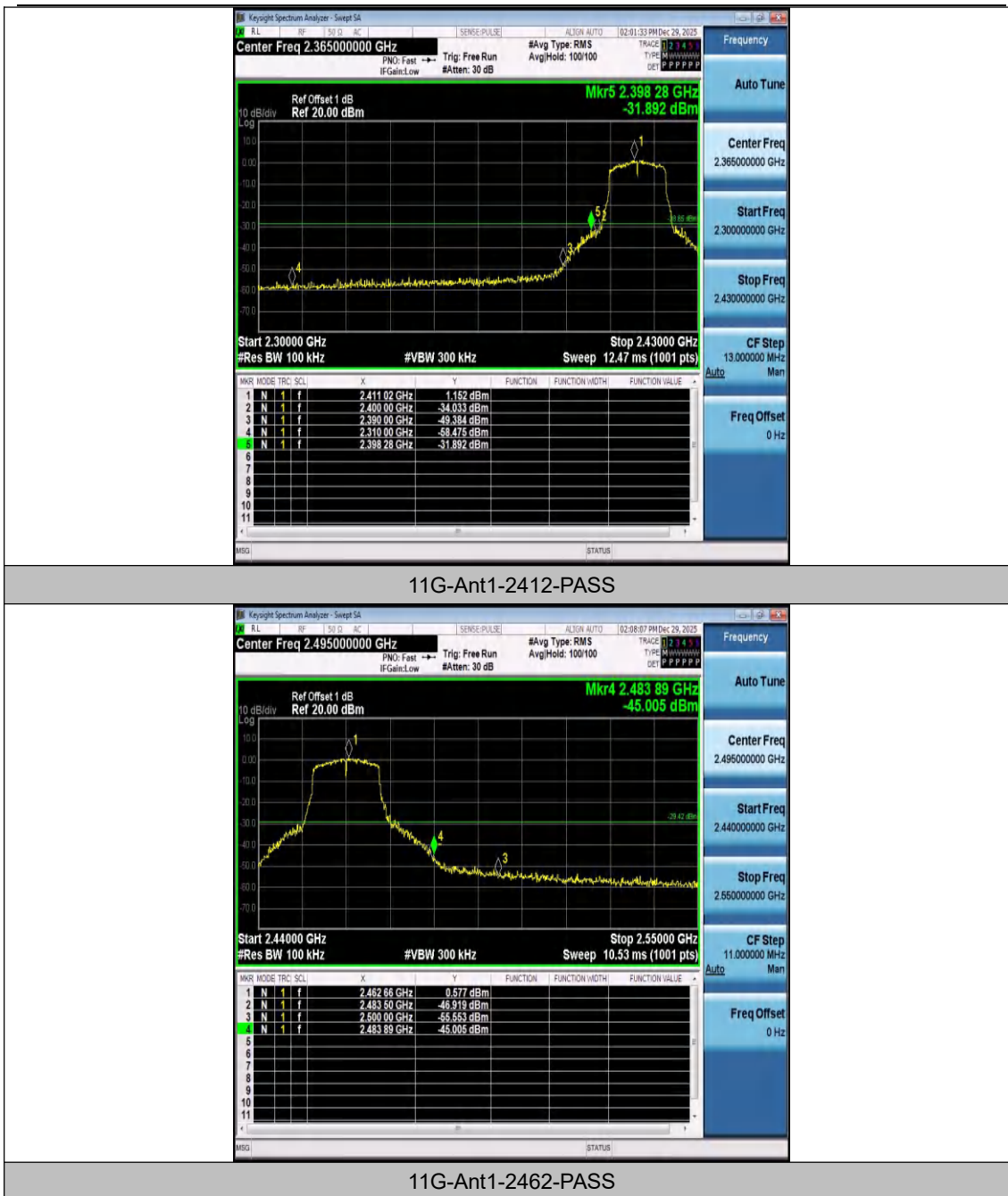
Test Result

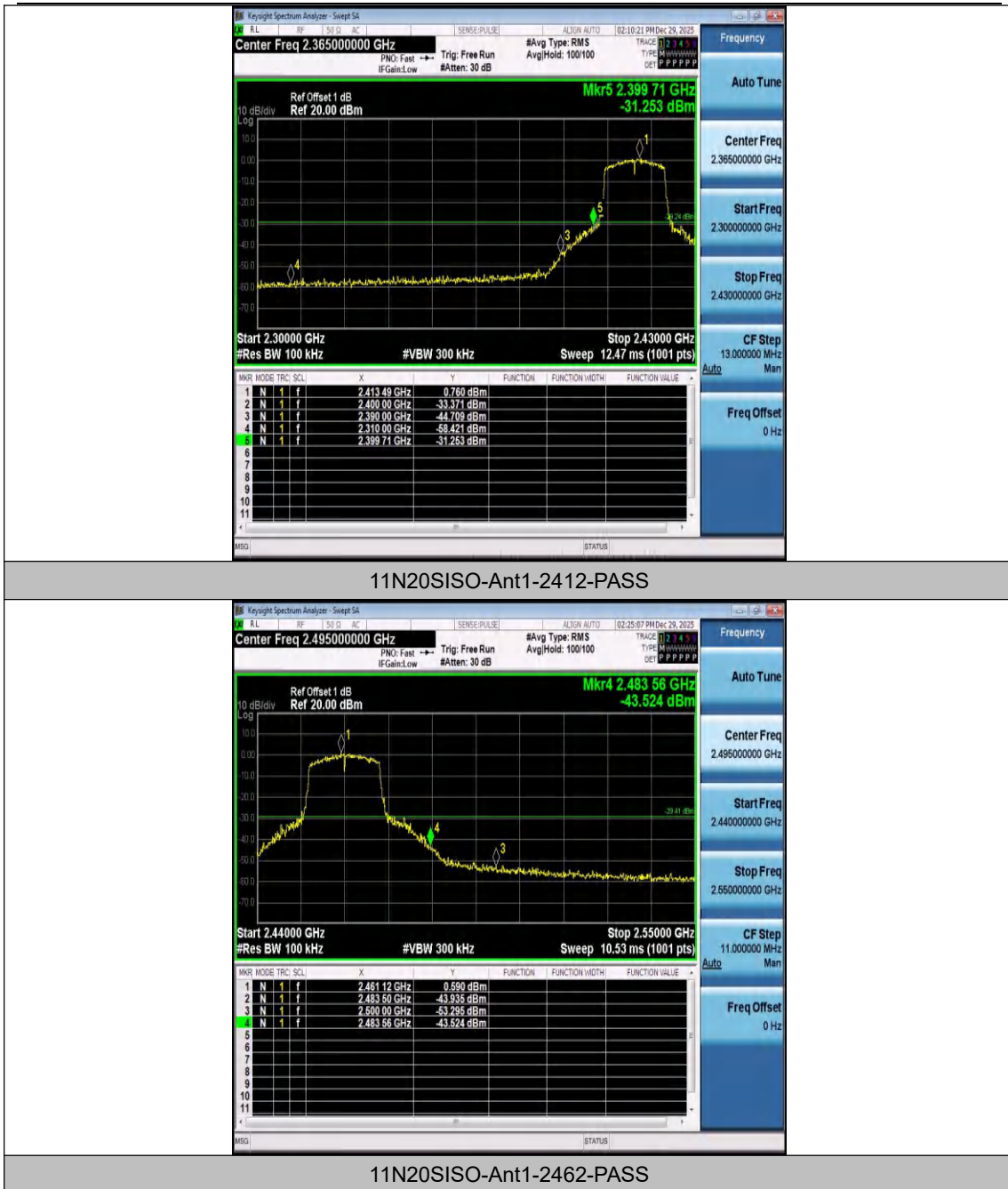
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.63	-46.99	≤-24.37	PASS
11B	Ant1	High	2462	6.30	-54.07	≤-23.7	PASS
11G	Ant1	Low	2412	1.15	-31.89	≤-28.85	PASS
11G	Ant1	High	2462	0.58	-45.01	≤-29.42	PASS
11N20SISO	Ant1	Low	2412	0.76	-31.25	≤-29.24	PASS
11N20SISO	Ant1	High	2462	0.59	-43.52	≤-29.41	PASS
11N40SISO	Ant1	Low	2422	-3.24	-37.45	≤-33.24	PASS
11N40SISO	Ant1	High	2452	-1.31	-35.23	≤-31.31	PASS

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

Test Graphs



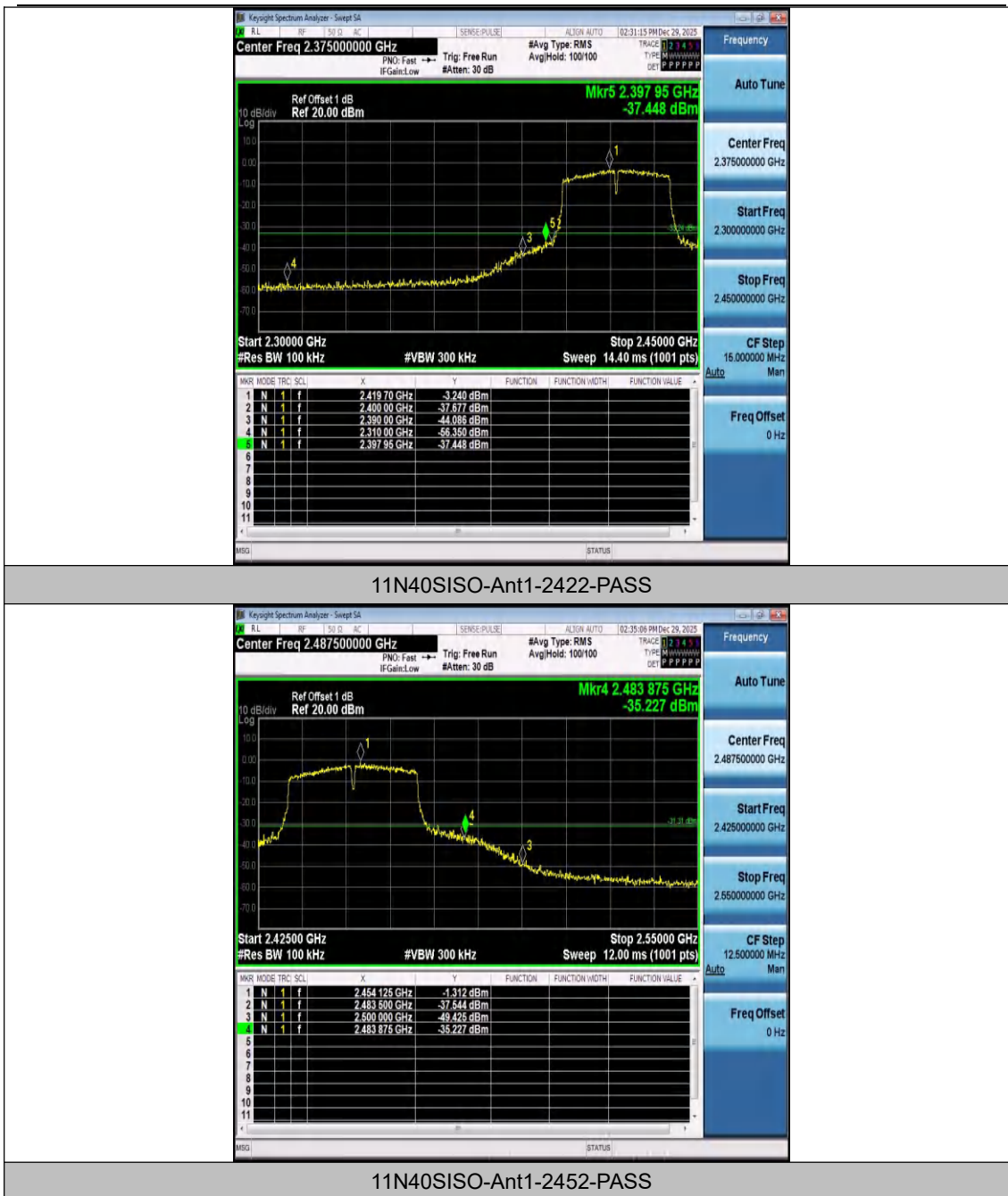




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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.85	4.85	---	PASS
11B	Ant1	2412	30~1000	4.85	-68.93	≤-25.15	PASS
11B	Ant1	2412	1000~26500	4.85	-36.08	≤-25.15	PASS
11B	Ant1	2437	0~Reference	5.33	5.33	---	PASS
11B	Ant1	2437	30~1000	5.33	-68.48	≤-24.67	PASS
11B	Ant1	2437	1000~26500	5.33	-34.47	≤-24.67	PASS
11B	Ant1	2462	0~Reference	4.95	4.95	---	PASS
11B	Ant1	2462	30~1000	4.95	-68.84	≤-25.05	PASS
11B	Ant1	2462	1000~26500	4.95	-36.7	≤-25.05	PASS
11G	Ant1	2412	0~Reference	0.96	0.96	---	PASS
11G	Ant1	2412	30~1000	0.96	-68.76	≤-29.04	PASS
11G	Ant1	2412	1000~26500	0.96	-36.46	≤-29.04	PASS
11G	Ant1	2437	0~Reference	0.45	0.45	---	PASS
11G	Ant1	2437	30~1000	0.45	-68.22	≤-29.55	PASS
11G	Ant1	2437	1000~26500	0.45	-36.37	≤-29.55	PASS
11G	Ant1	2462	0~Reference	1.01	1.01	---	PASS
11G	Ant1	2462	30~1000	1.01	-69.22	≤-28.99	PASS
11G	Ant1	2462	1000~26500	1.01	-36.47	≤-28.99	PASS
11N20SISO	Ant1	2412	0~Reference	0.34	0.34	---	PASS
11N20SISO	Ant1	2412	30~1000	0.34	-69.19	≤-29.66	PASS
11N20SISO	Ant1	2412	1000~26500	0.34	-35.83	≤-29.66	PASS
11N20SISO	Ant1	2437	0~Reference	-0.16	-0.16	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.16	-68.78	≤-30.16	PASS
11N20SISO	Ant1	2437	1000~26500	-0.16	-35.84	≤-30.16	PASS
11N20SISO	Ant1	2462	0~Reference	-0.26	-0.26	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.26	-68.22	≤-30.26	PASS
11N20SISO	Ant1	2462	1000~26500	-0.26	-35.49	≤-30.26	PASS
11N40SISO	Ant1	2422	0~Reference	-2.50	-2.50	---	PASS
11N40SISO	Ant1	2422	30~1000	-2.50	-69.24	≤-32.5	PASS
11N40SISO	Ant1	2422	1000~26500	-2.50	-36.07	≤-32.5	PASS
11N40SISO	Ant1	2437	0~Reference	-2.71	-2.71	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.71	-69.16	≤-32.71	PASS
11N40SISO	Ant1	2437	1000~26500	-2.71	-35.71	≤-32.71	PASS
11N40SISO	Ant1	2452	0~Reference	-2.60	-2.60	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.60	-69.21	≤-32.6	PASS
11N40SISO	Ant1	2452	1000~26500	-2.60	-36.39	≤-32.6	PASS

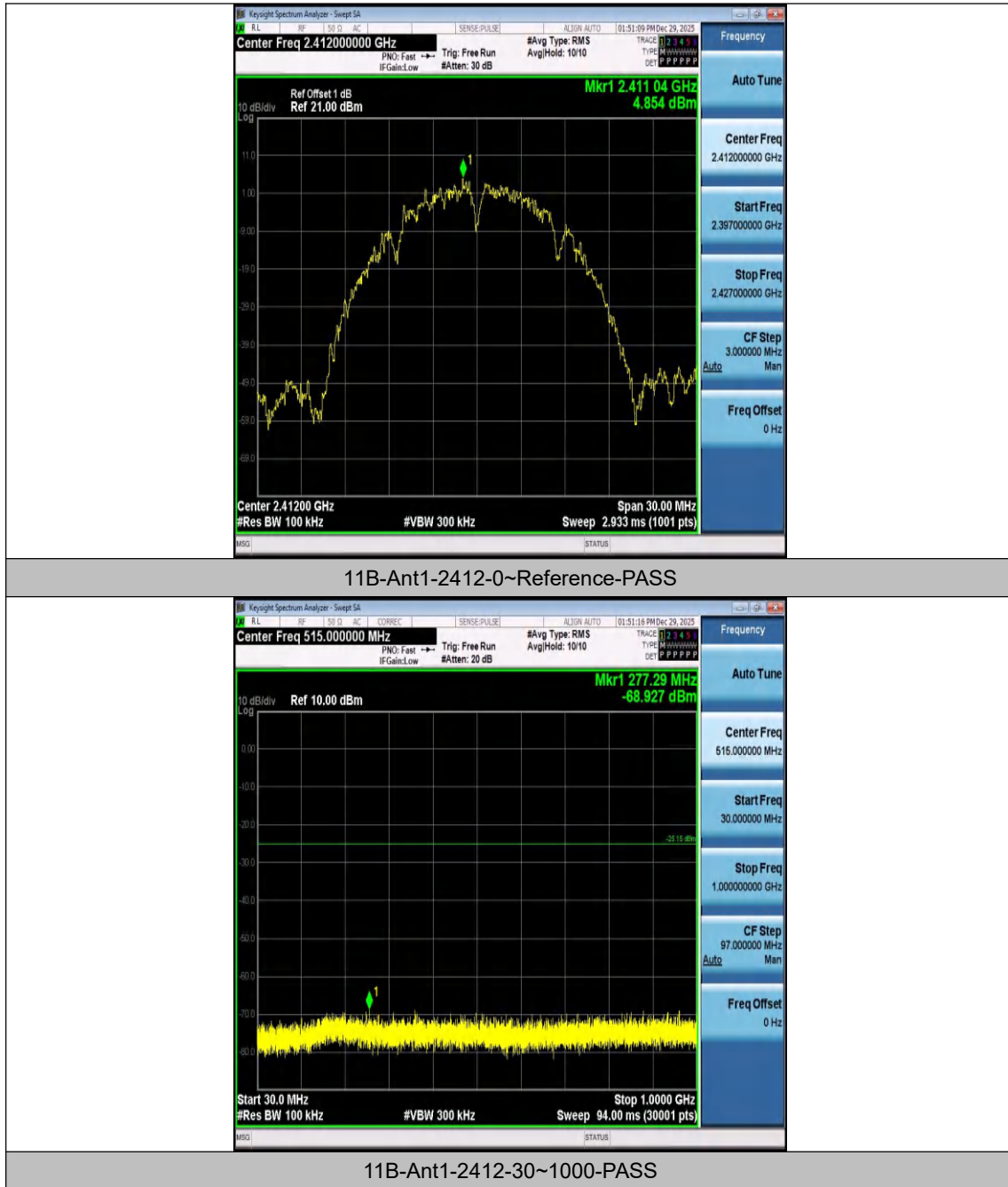
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Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

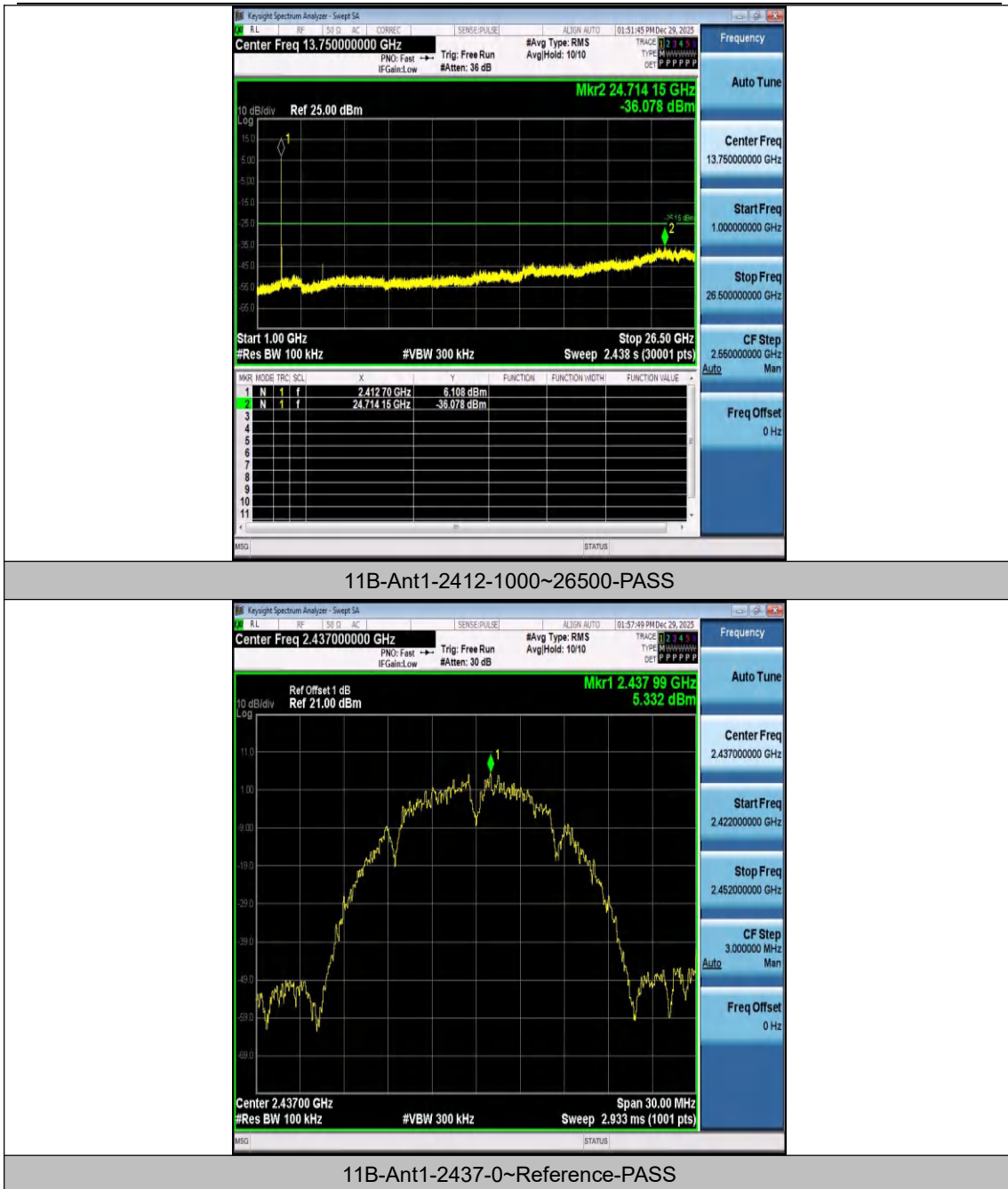
Test Graphs



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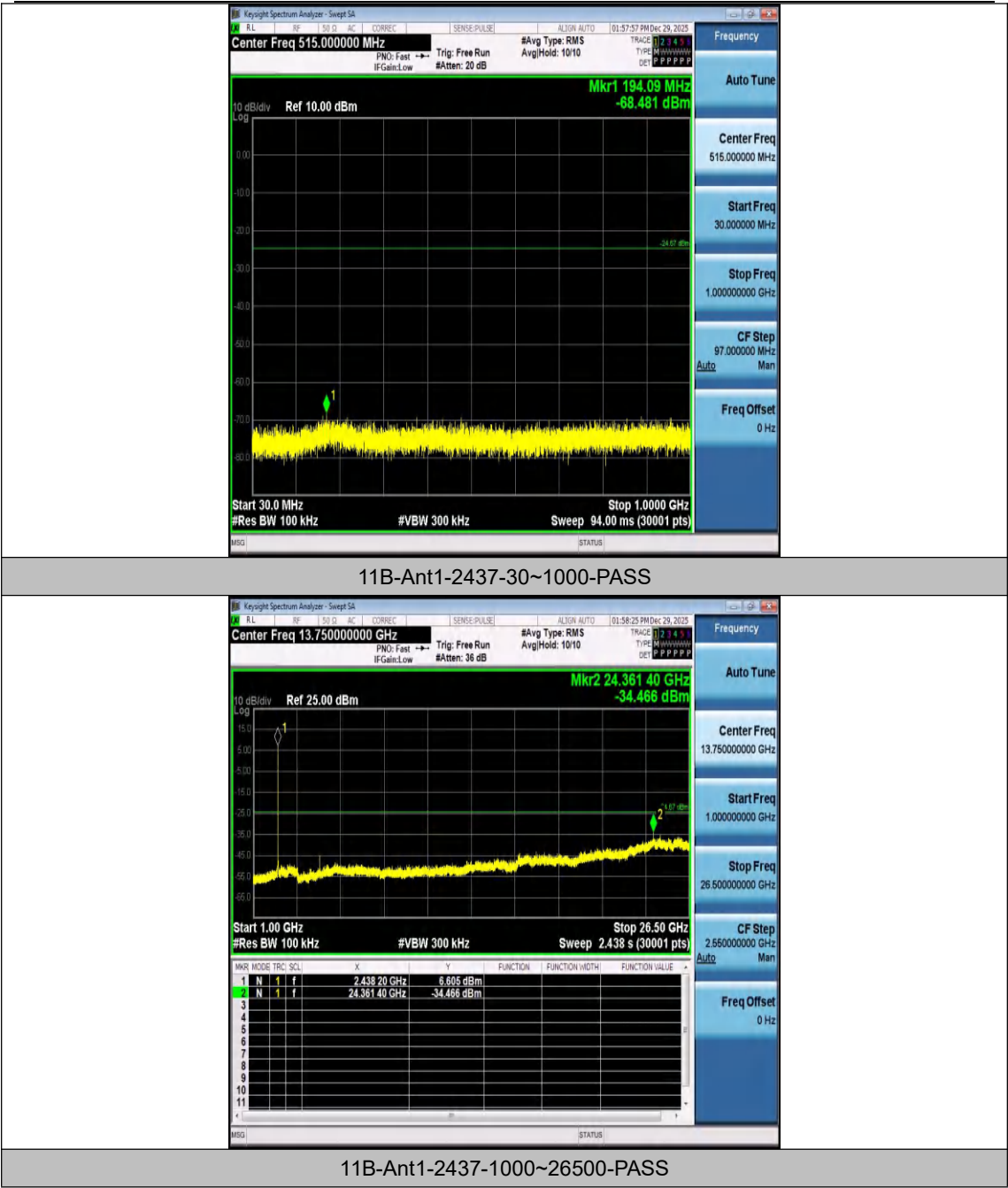
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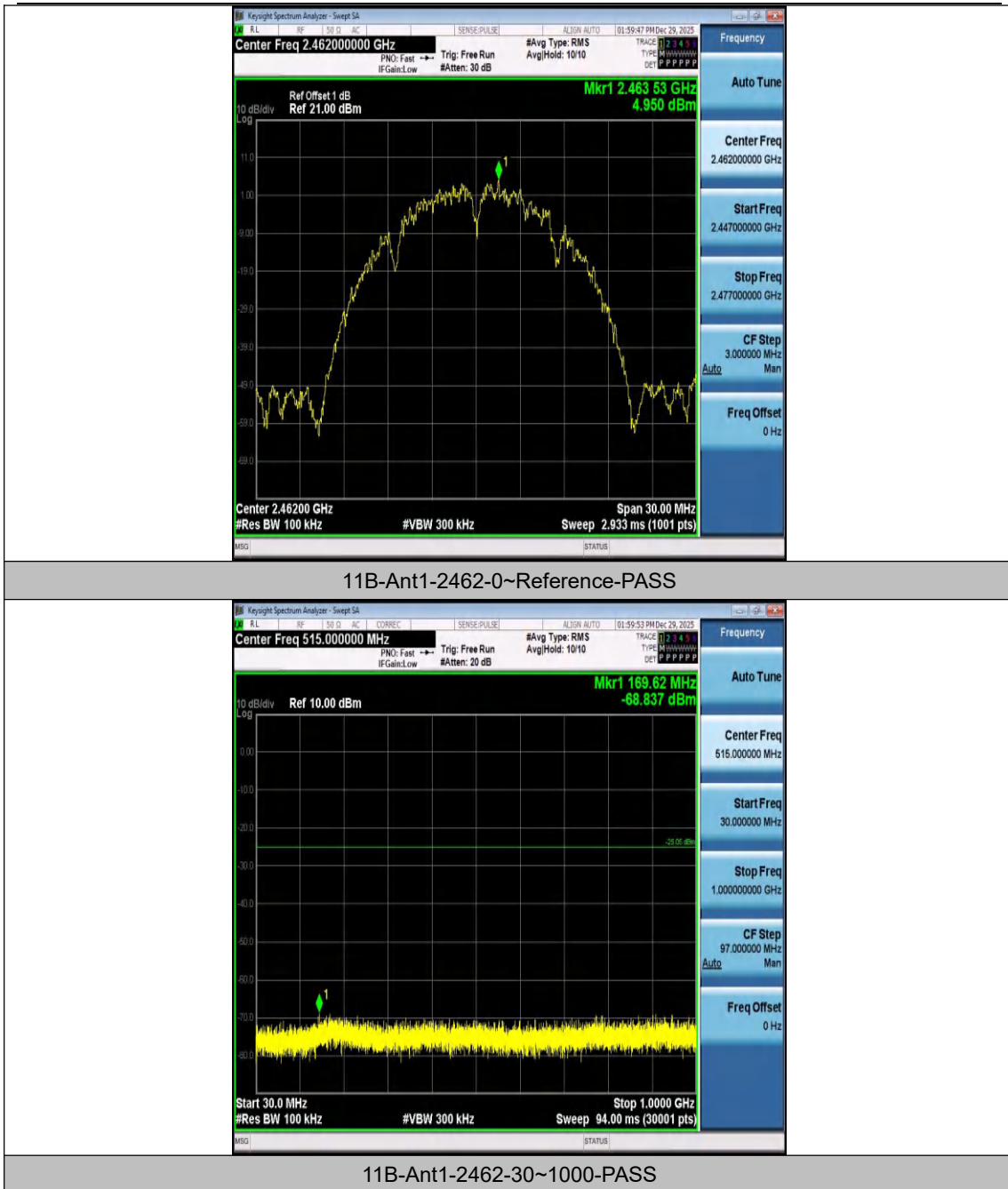


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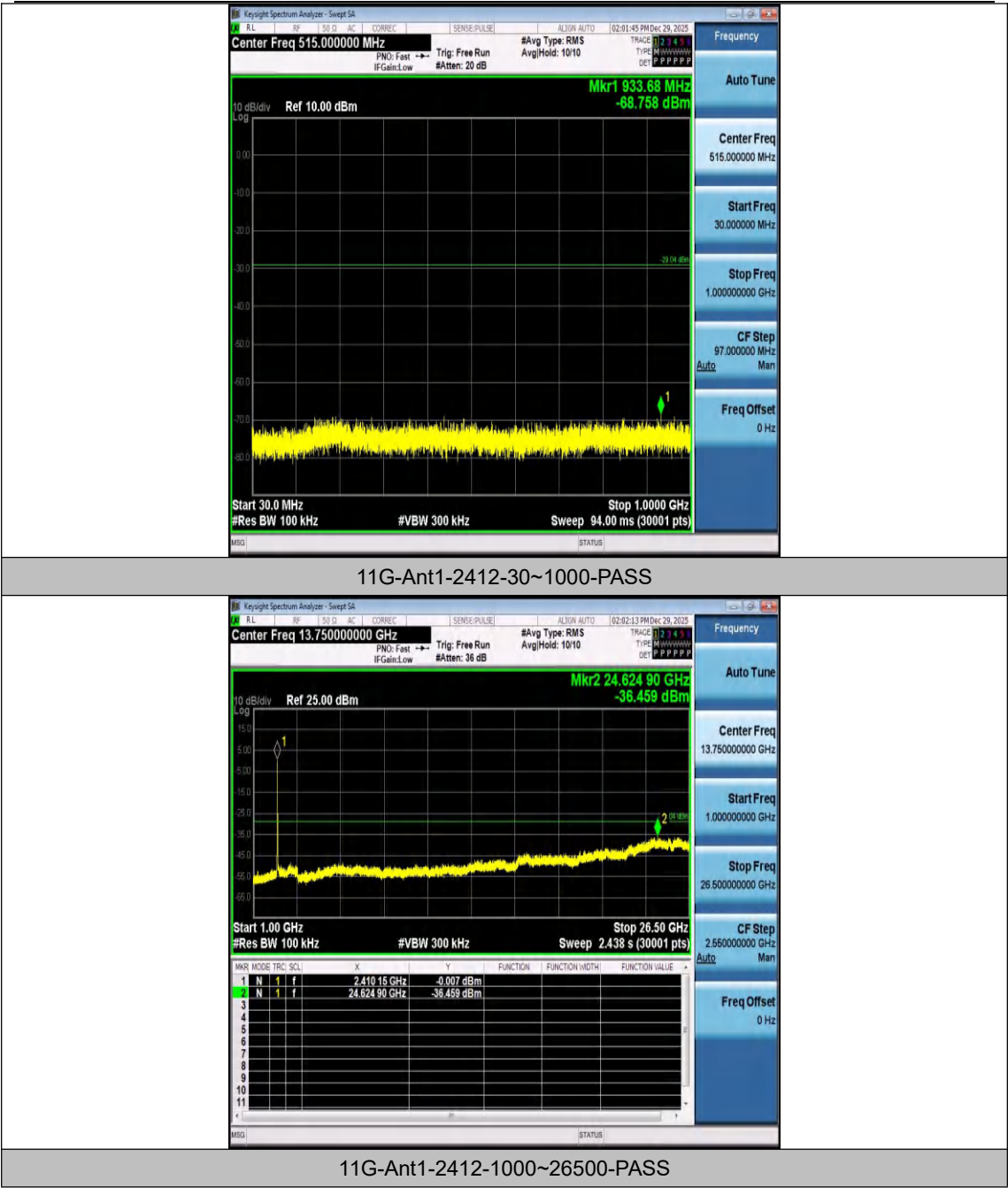
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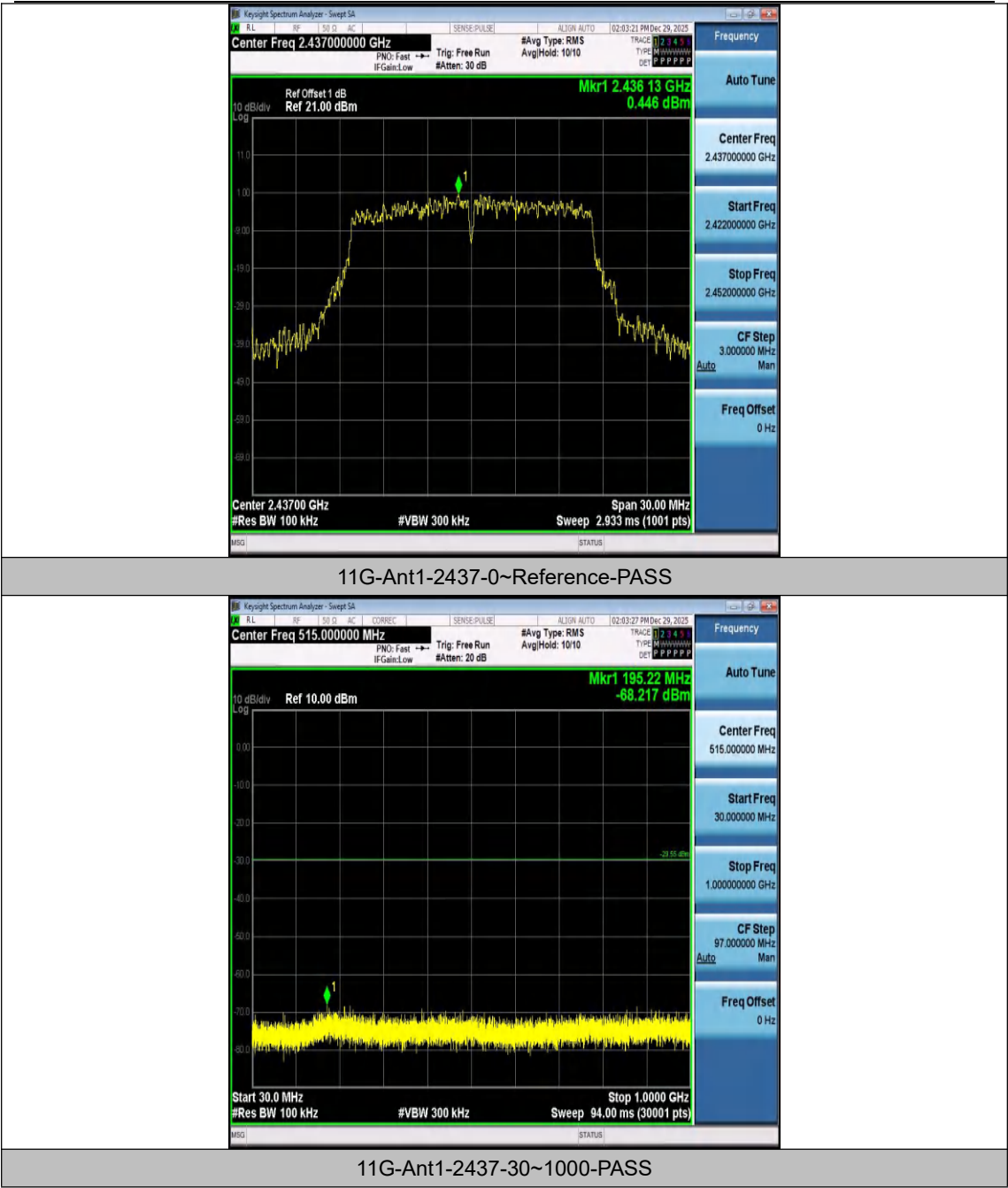


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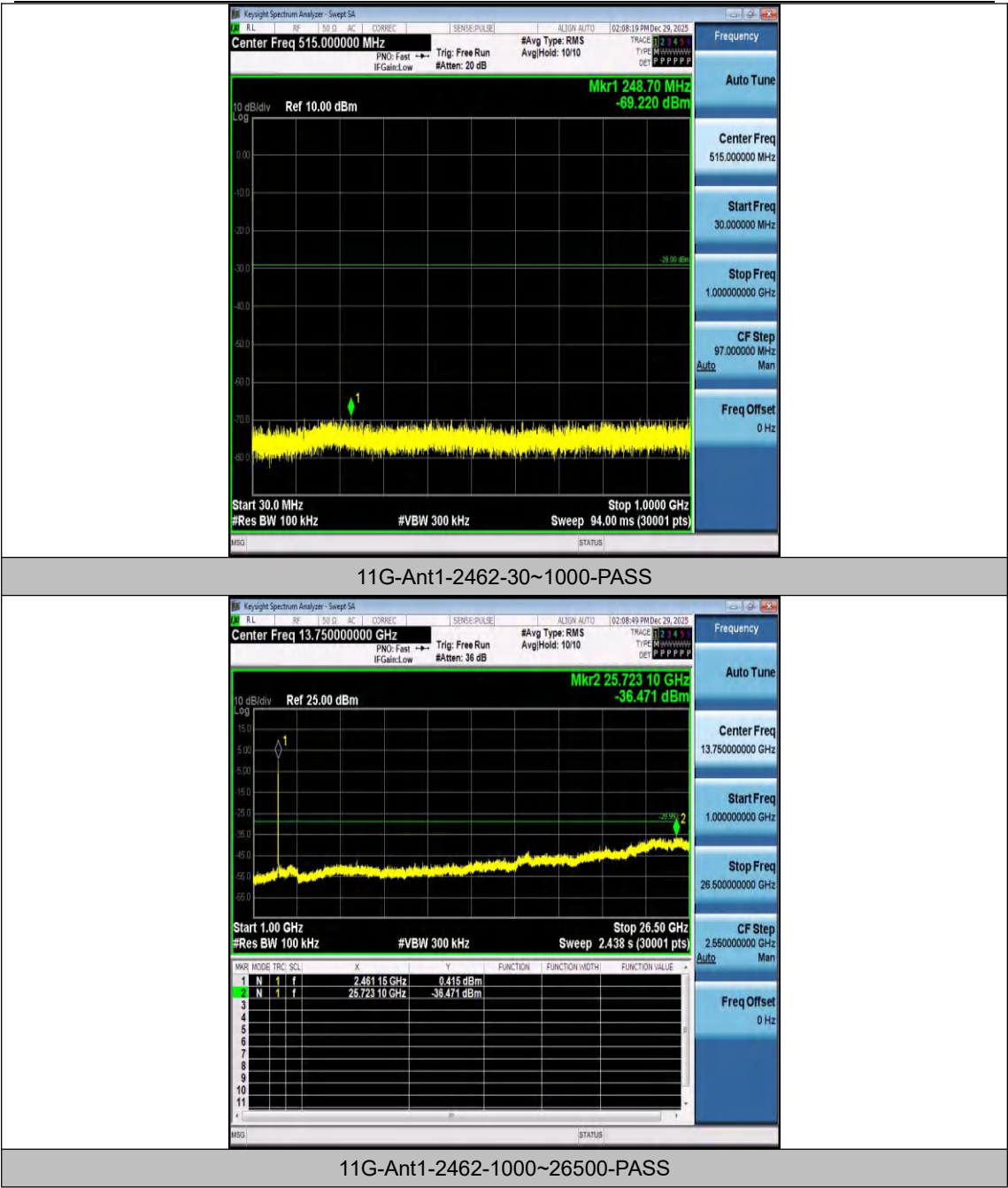
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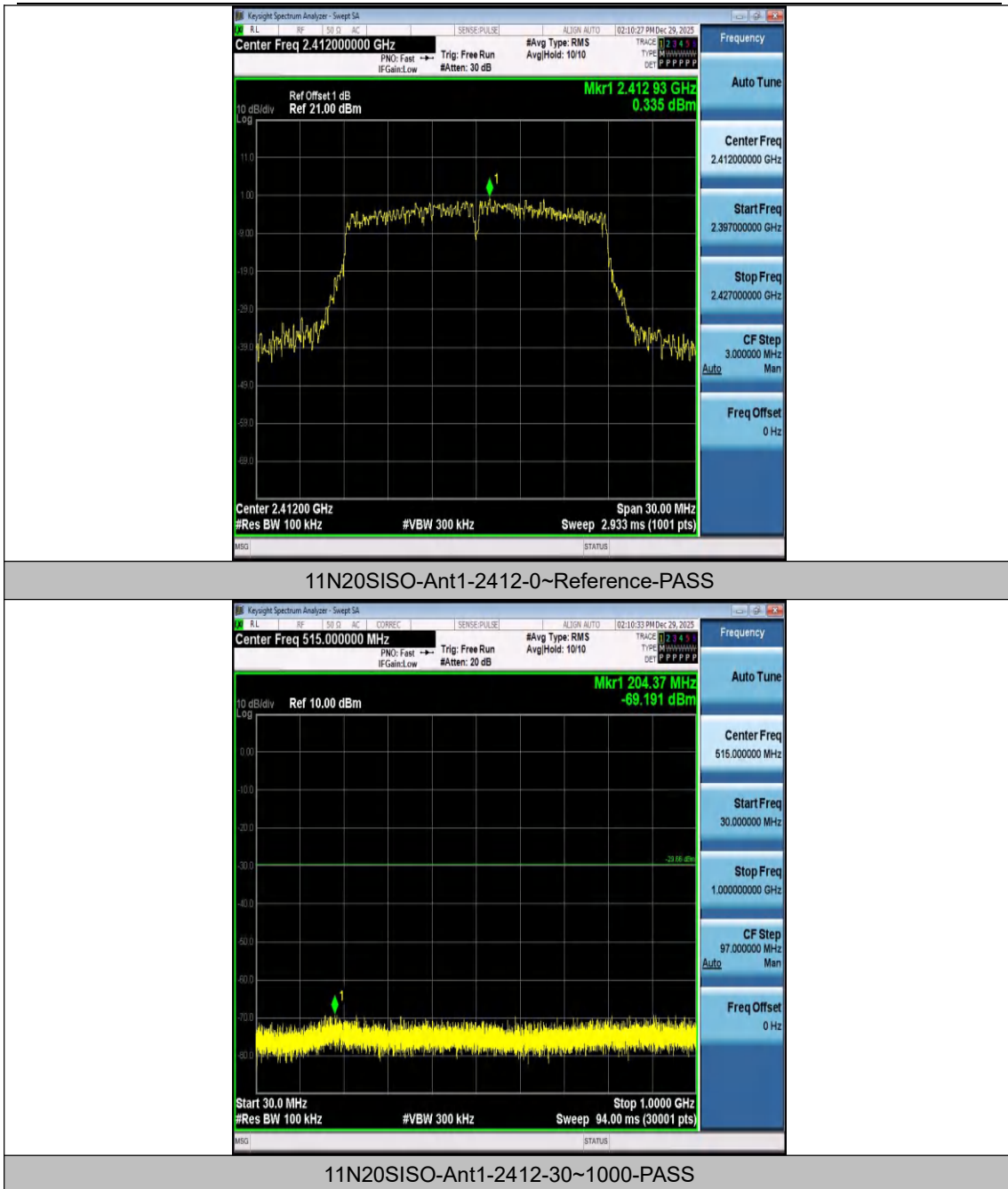
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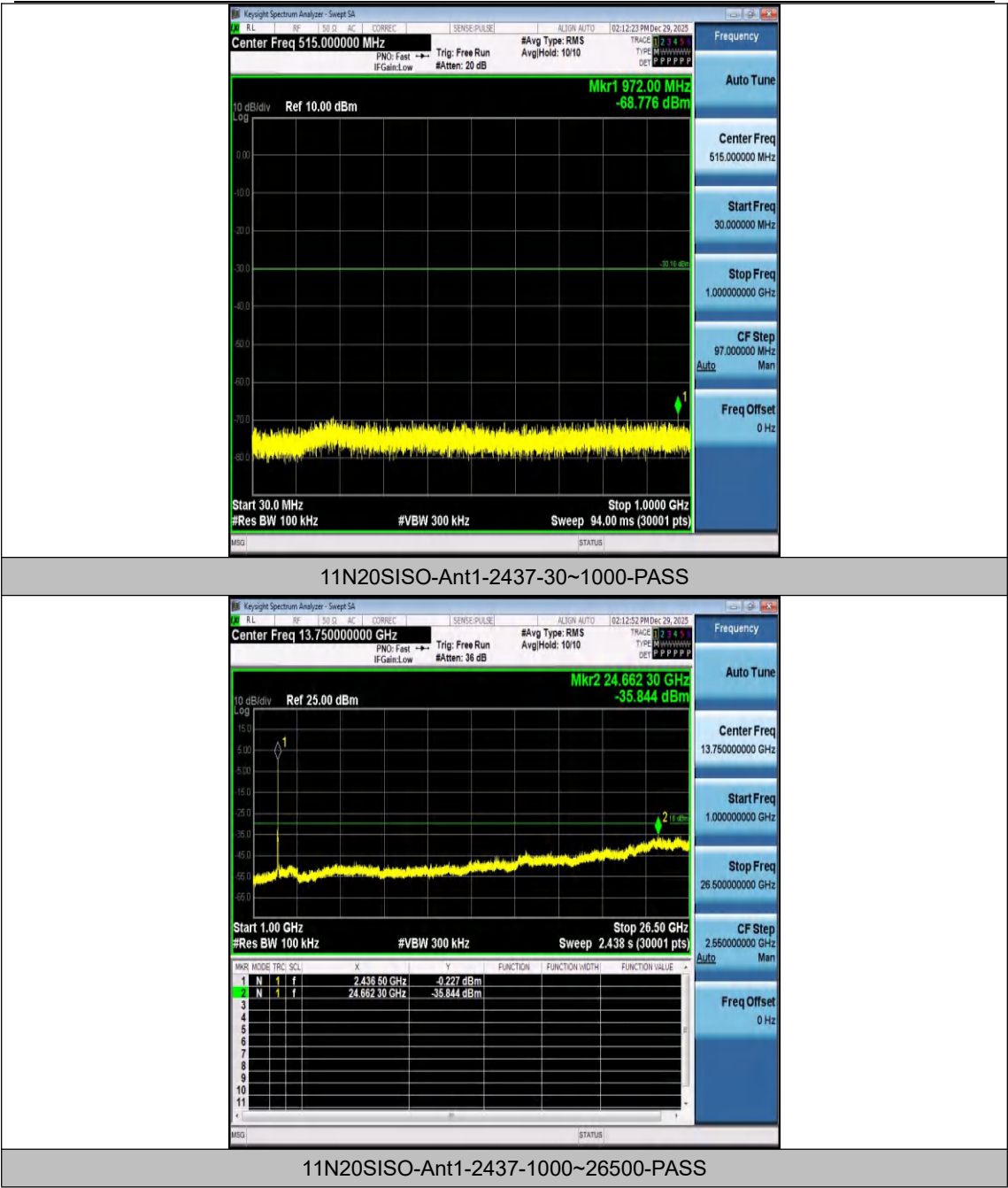


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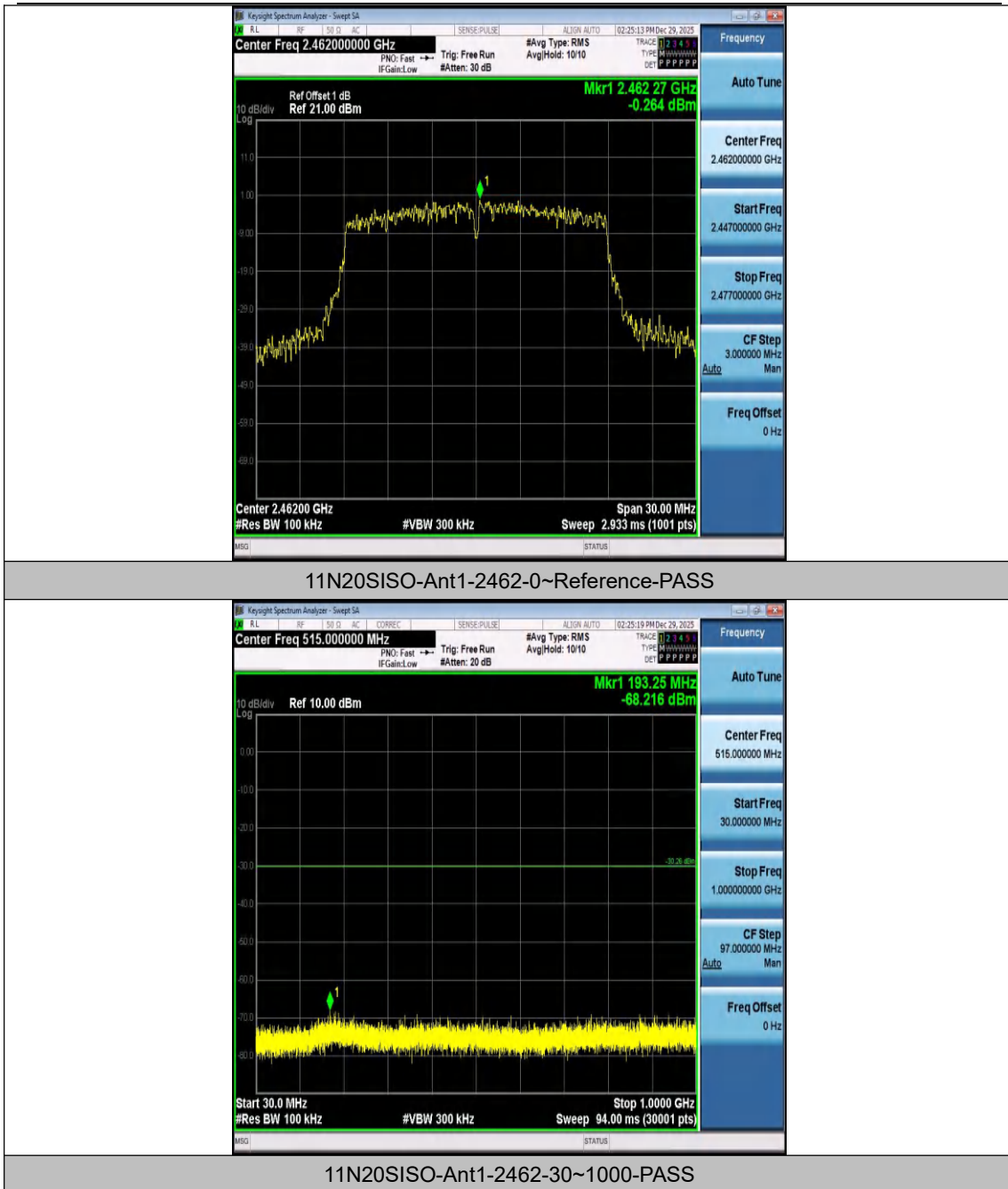




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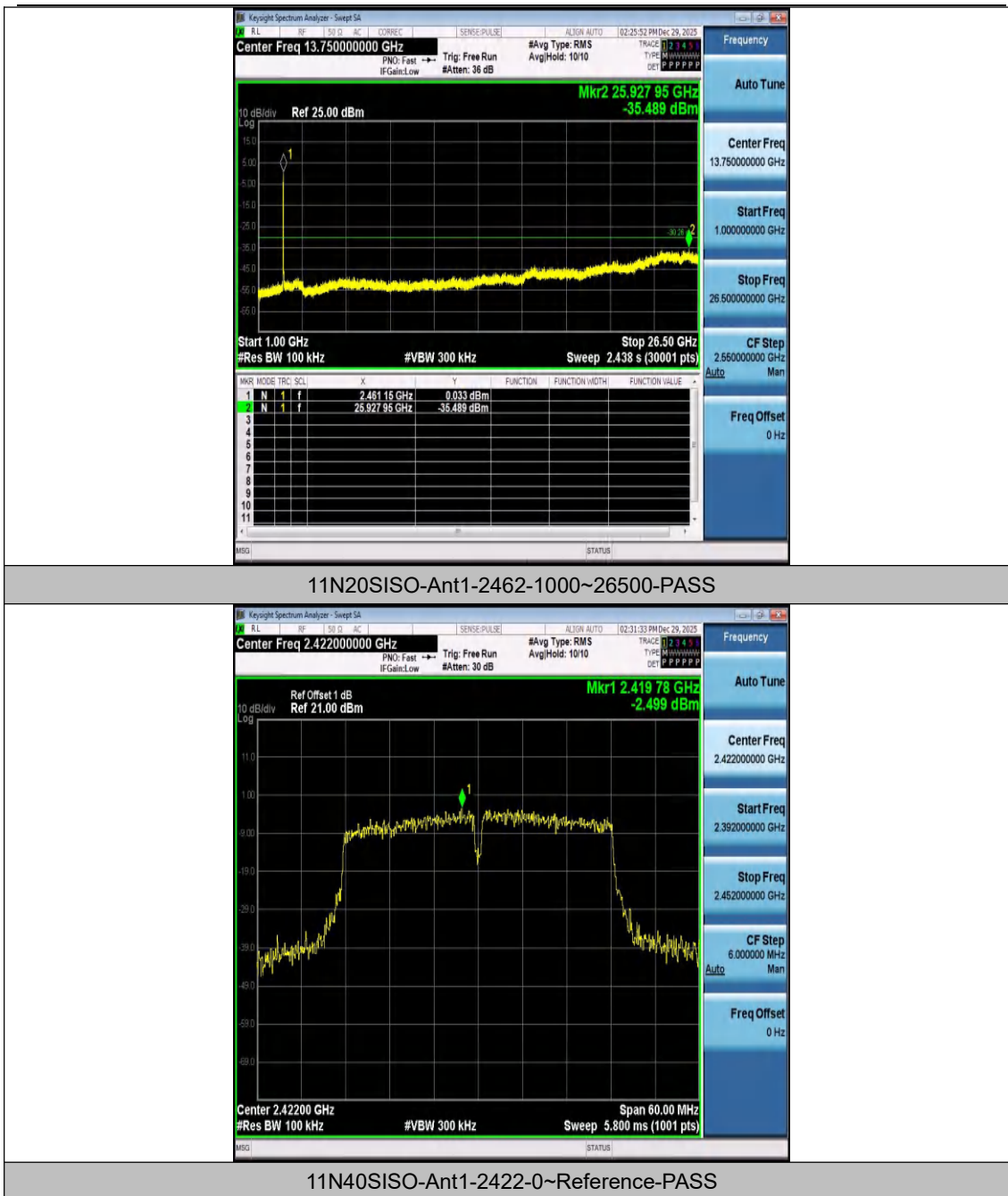
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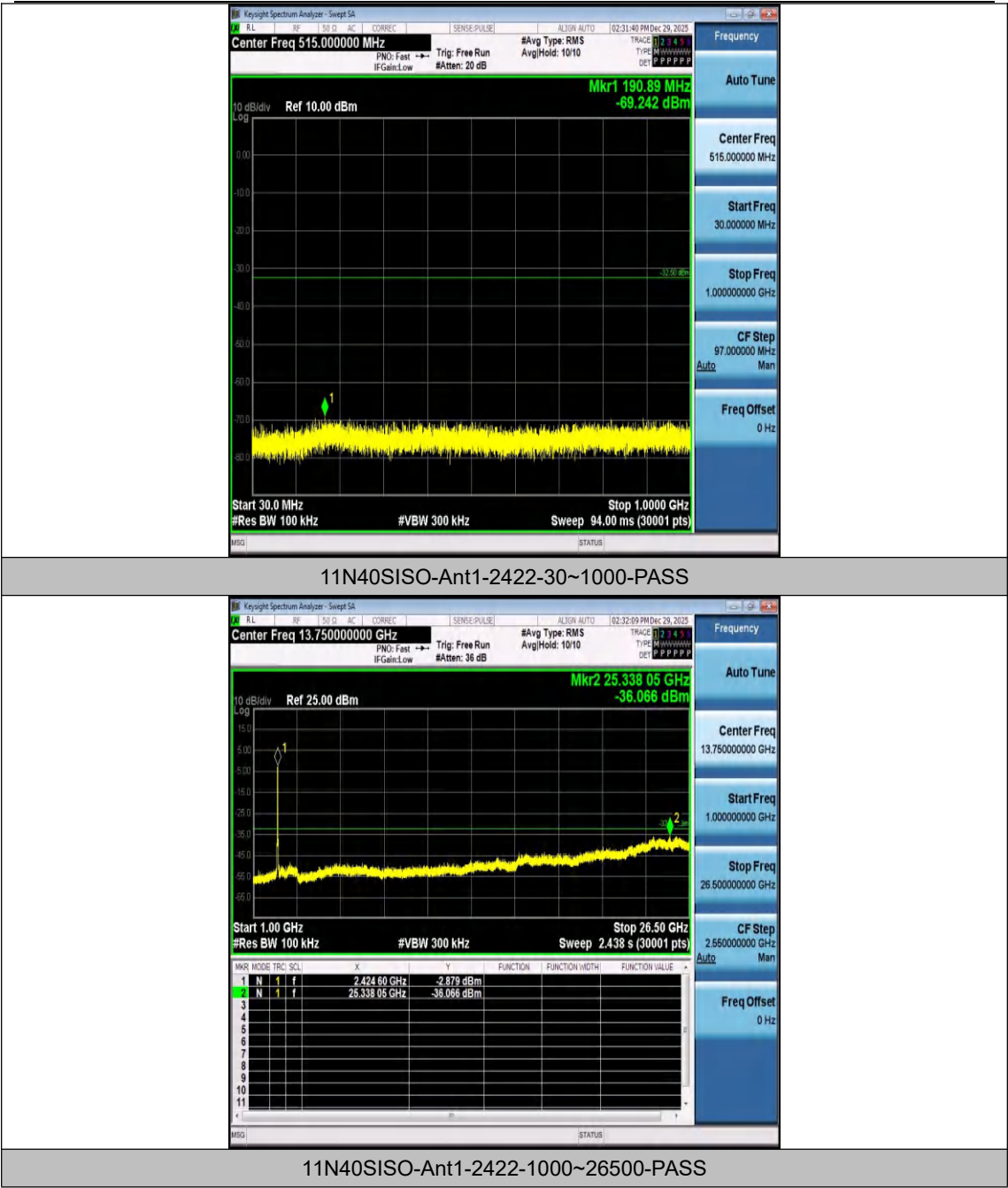
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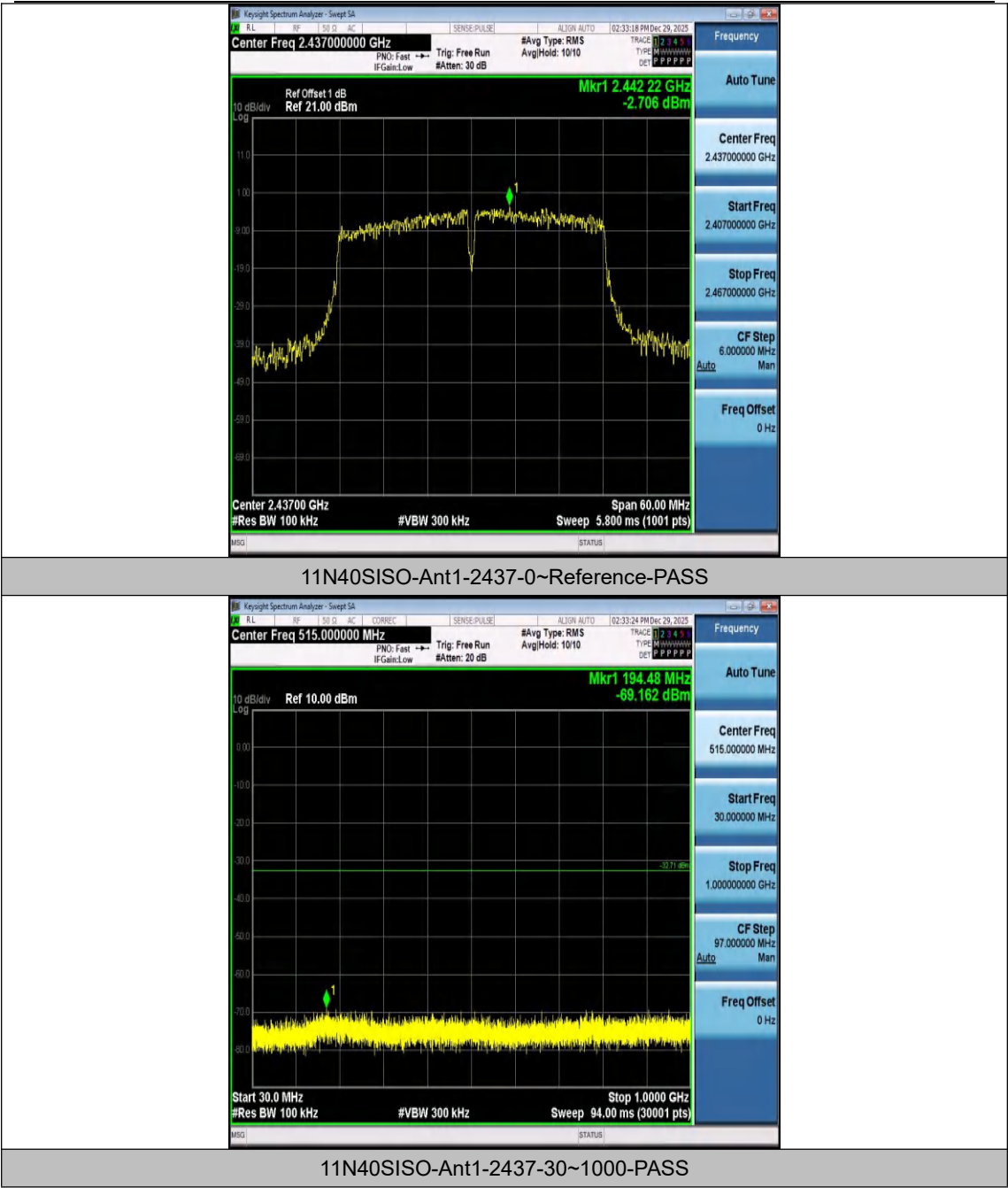


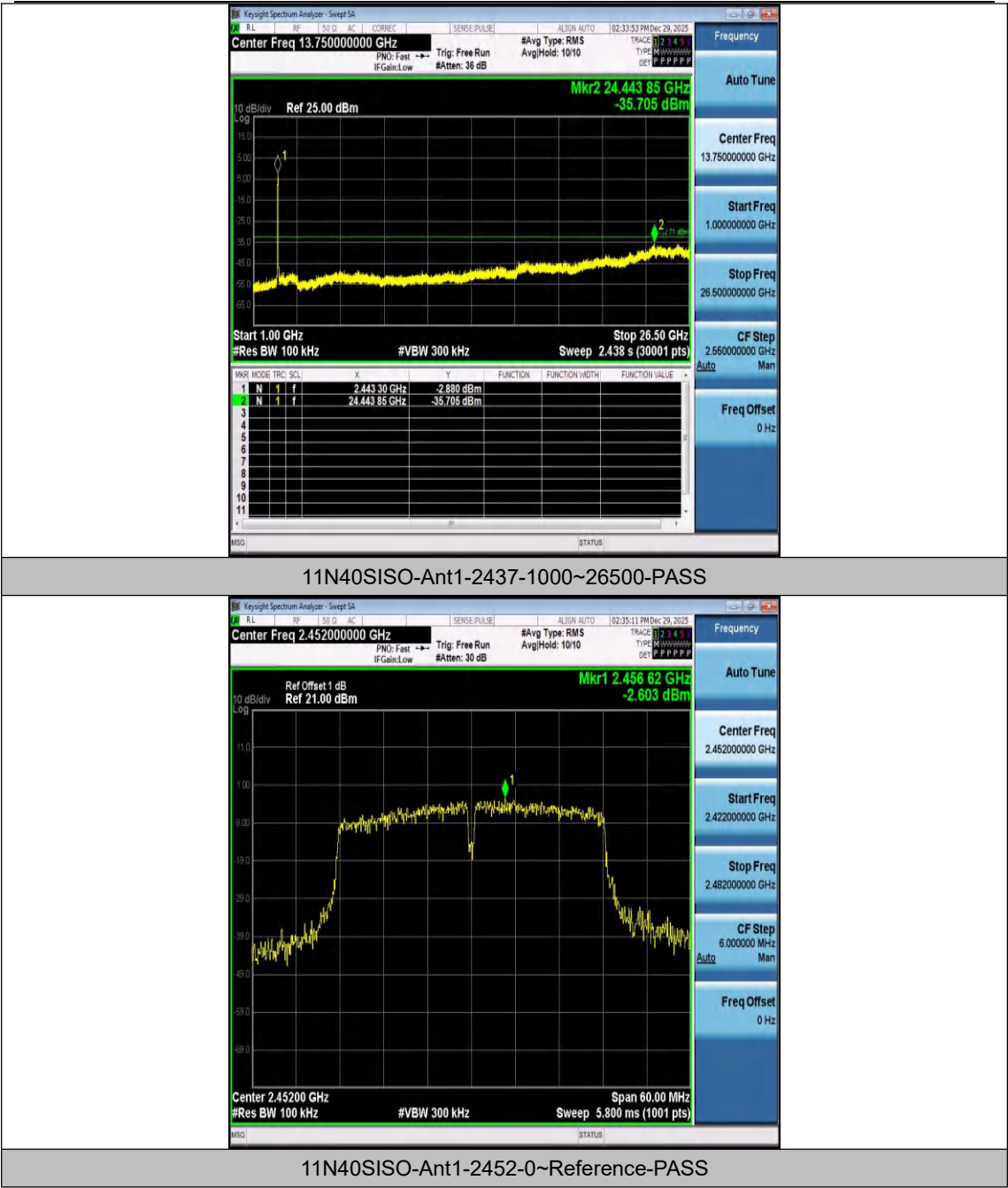
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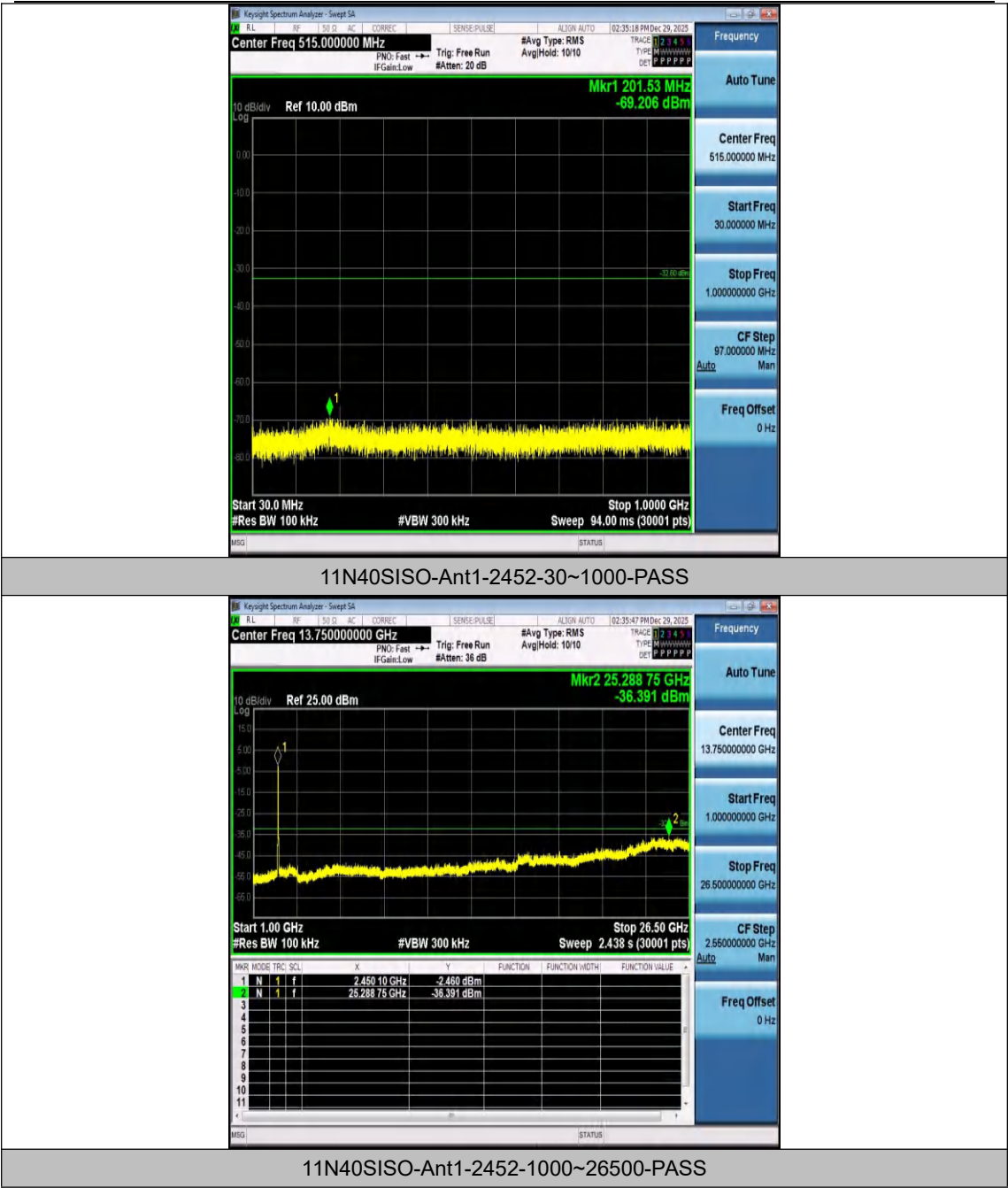
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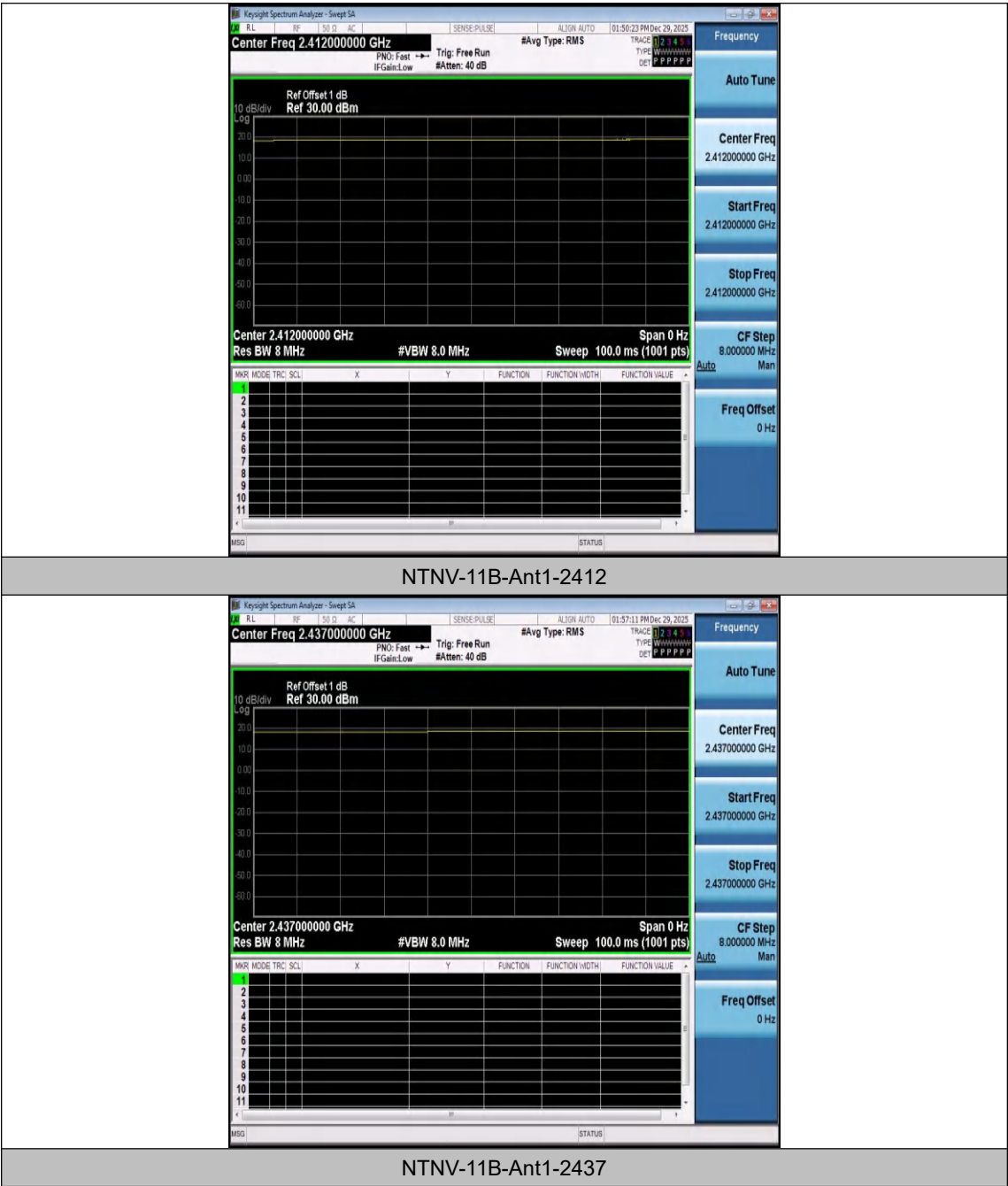


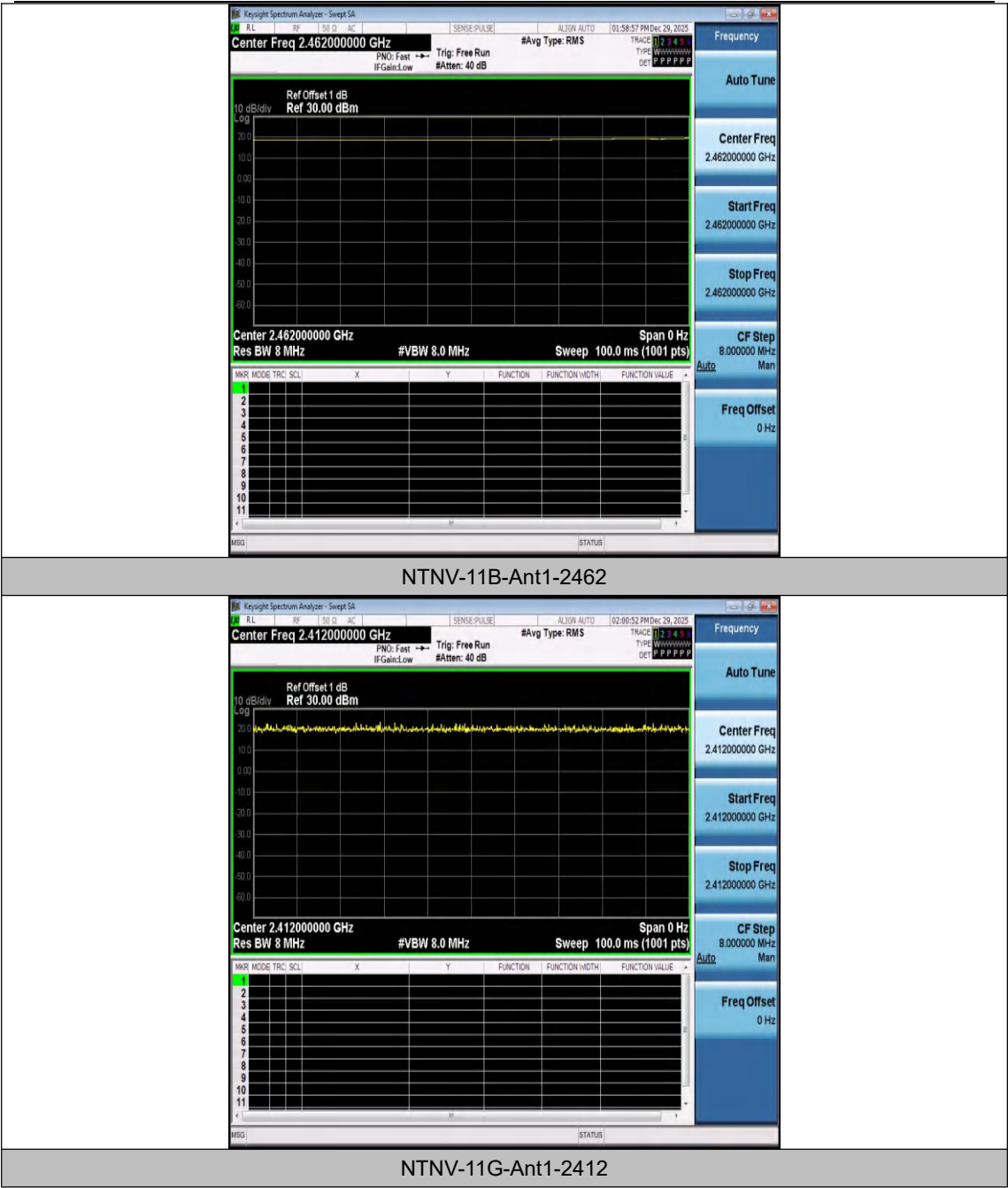
Appendix G: Duty Cycle

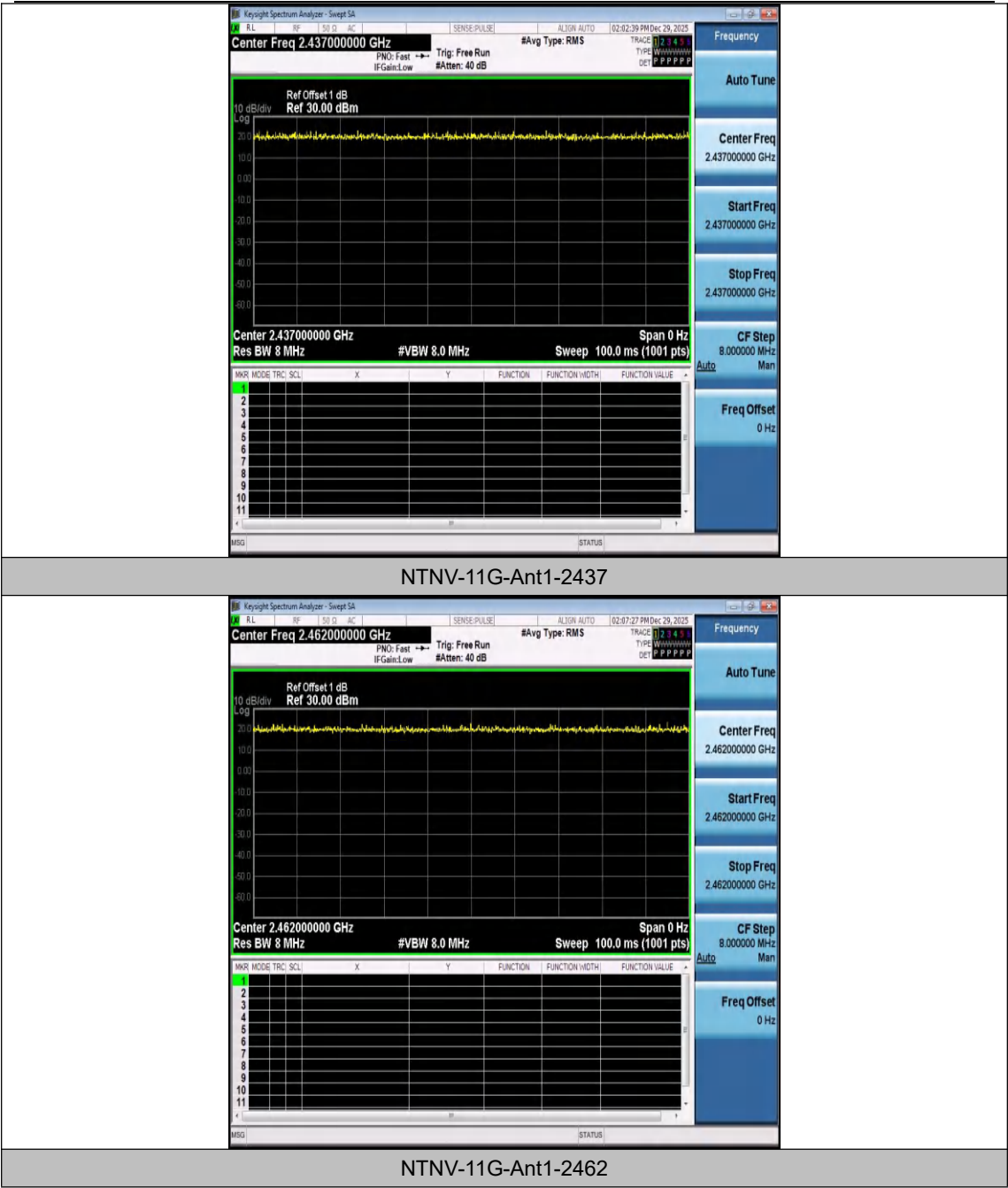
Test Result

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
11N40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2452	100.00	100.00	100.00	0.00

Test Graphs



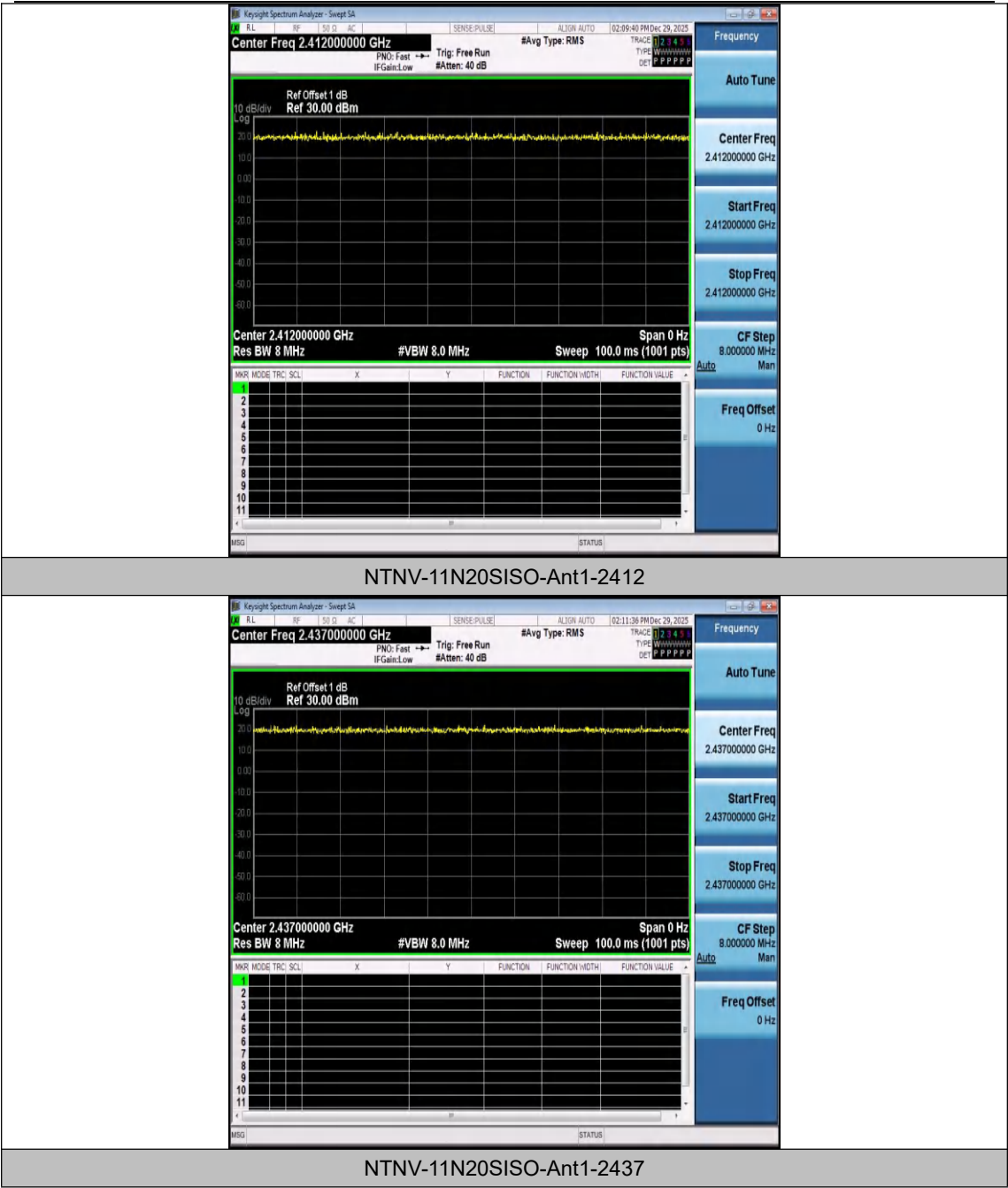




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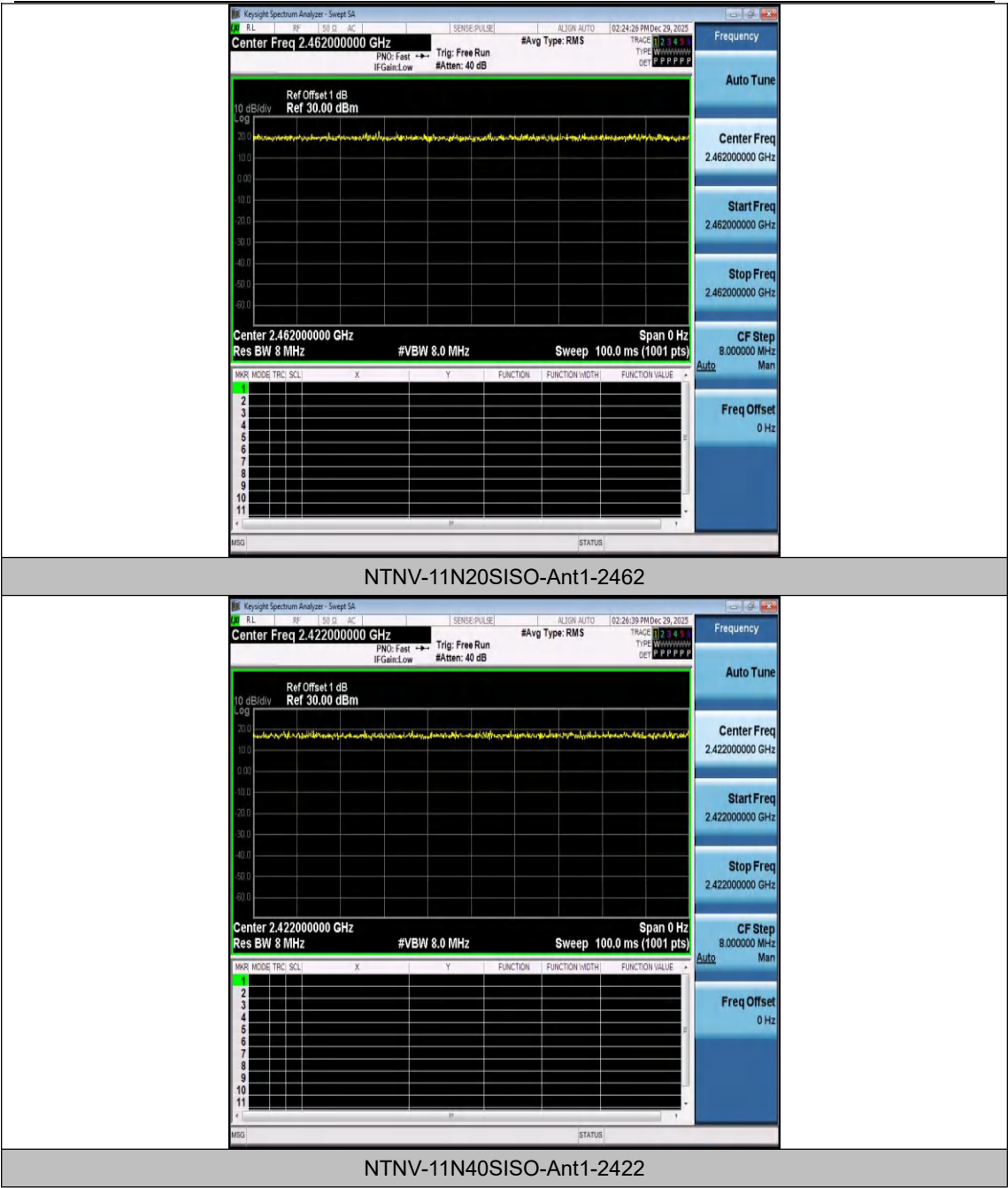
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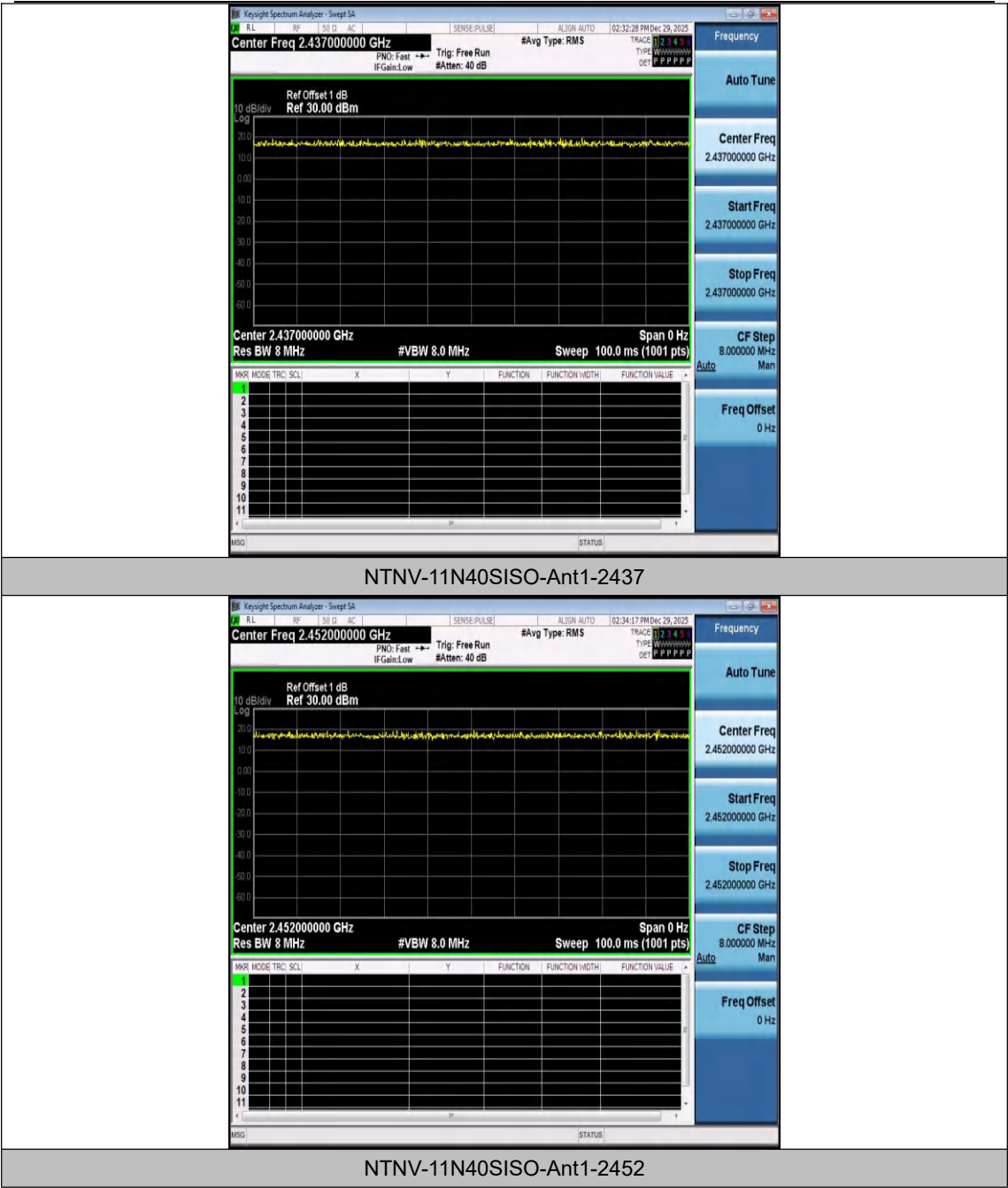
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---End---