

Appendix Test Data

Report No.:	1812C50610212502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-3	Finish Test Date:	2025-12-3
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.7°C	Relative Humidity:	55%
Pressure:	101kPa		



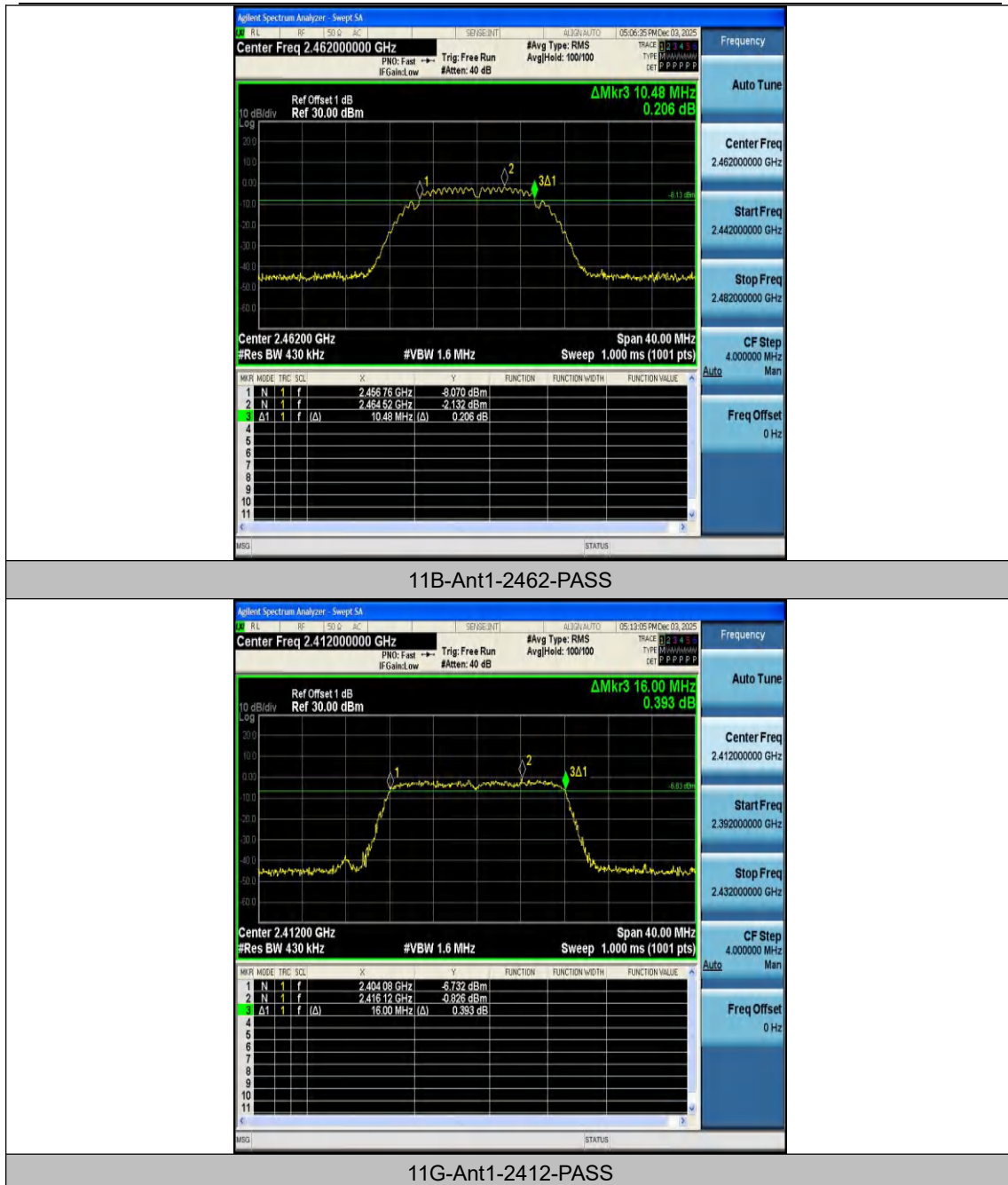
Appendix A: 6dB Bandwidth

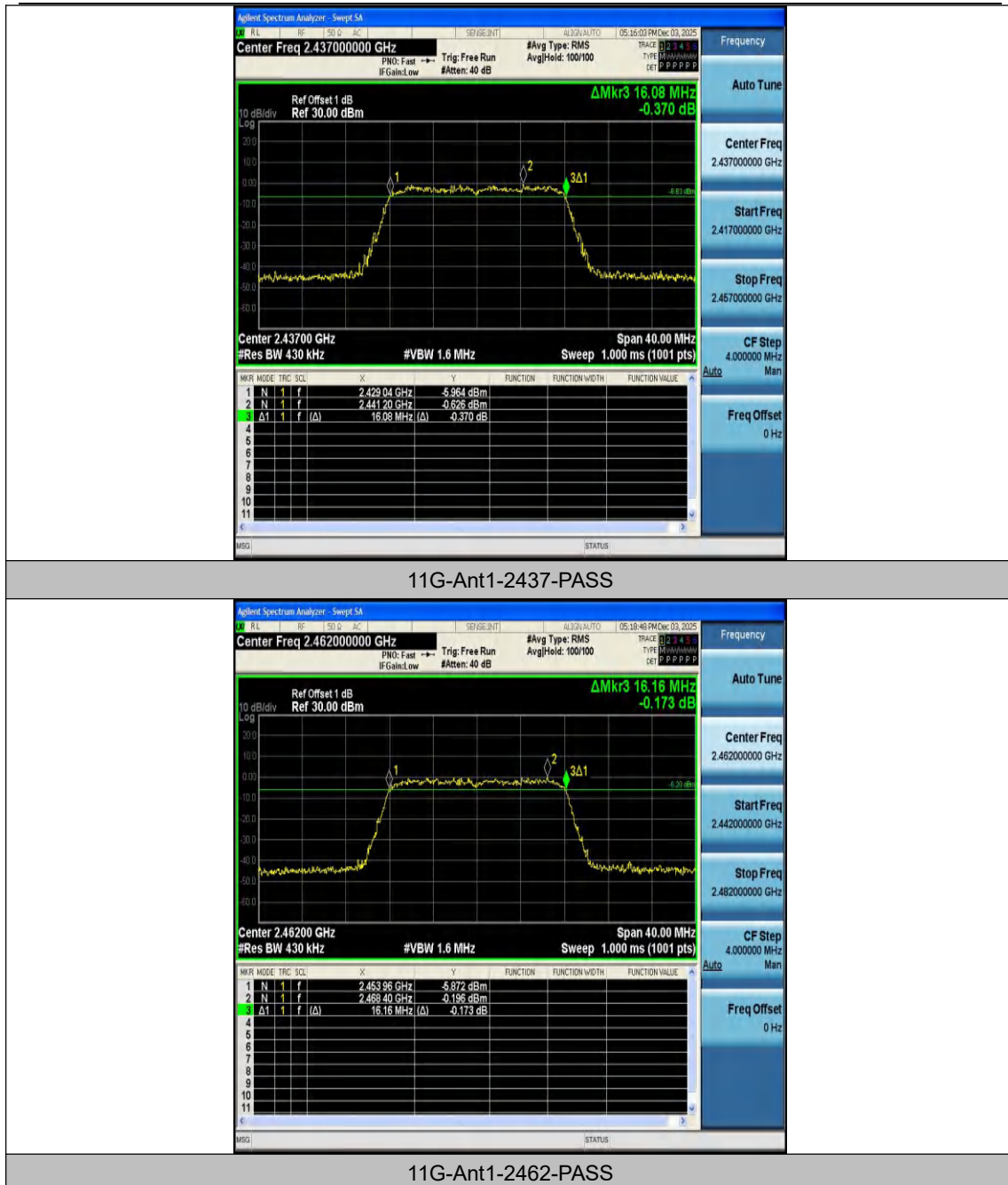
Test Result

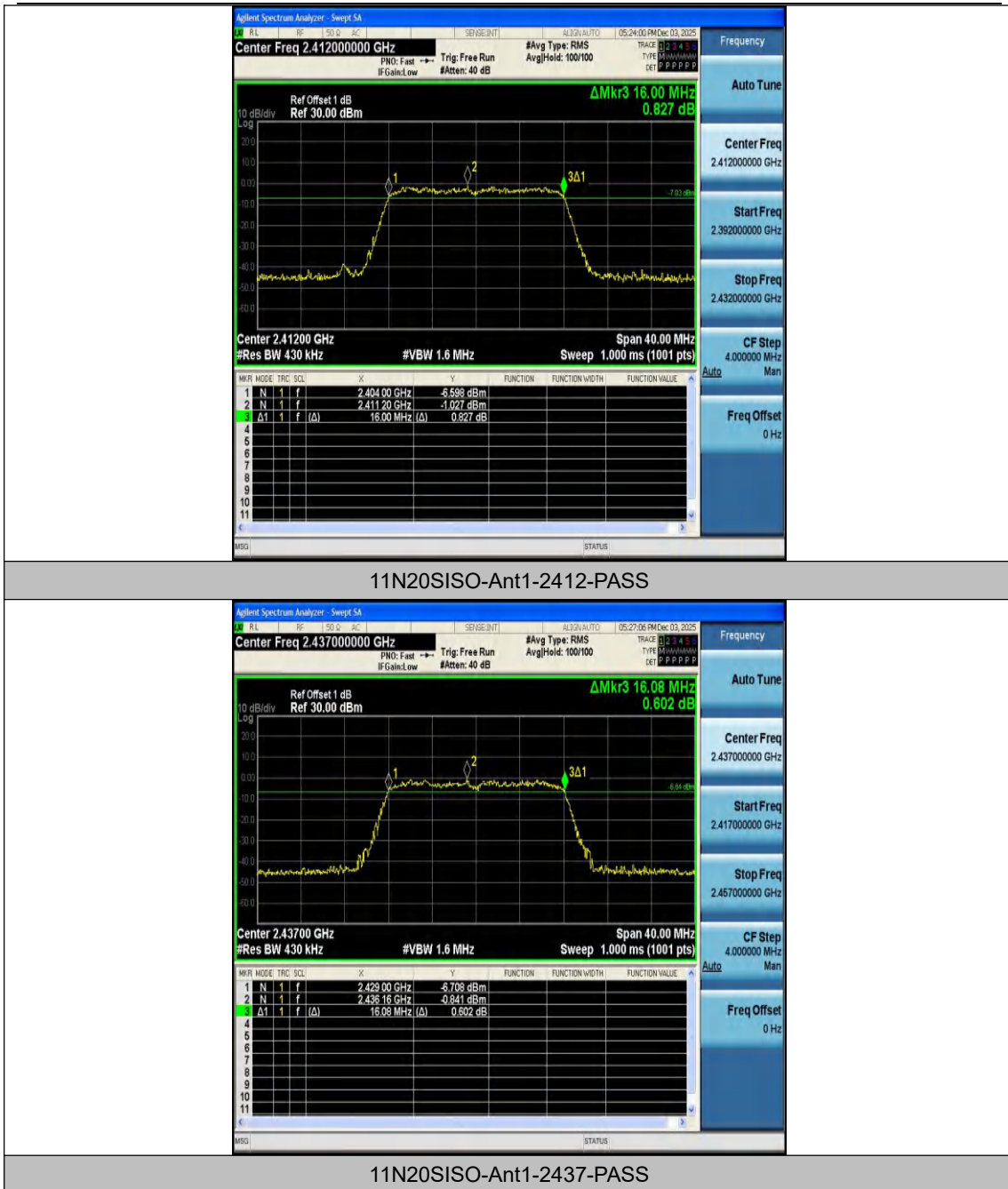
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.480	2406.760	2417.240	0.5	PASS
11B	Ant1	2437	10.480	2431.760	2442.240	0.5	PASS
11B	Ant1	2462	10.480	2456.760	2467.240	0.5	PASS
11G	Ant1	2412	16.000	2404.080	2420.080	0.5	PASS
11G	Ant1	2437	16.080	2429.040	2445.120	0.5	PASS
11G	Ant1	2462	16.160	2453.960	2470.120	0.5	PASS
11N20SISO	Ant1	2412	16.000	2404.000	2420.000	0.5	PASS
11N20SISO	Ant1	2437	16.080	2429.000	2445.080	0.5	PASS
11N20SISO	Ant1	2462	16.120	2453.960	2470.080	0.5	PASS

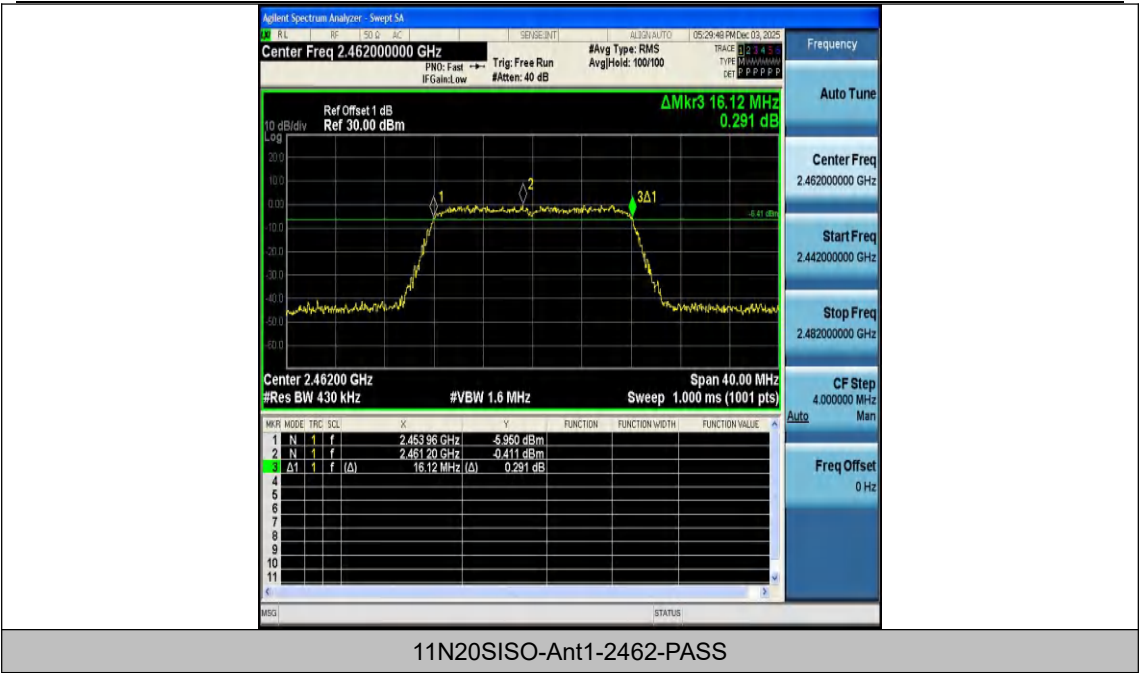
Test Graphs











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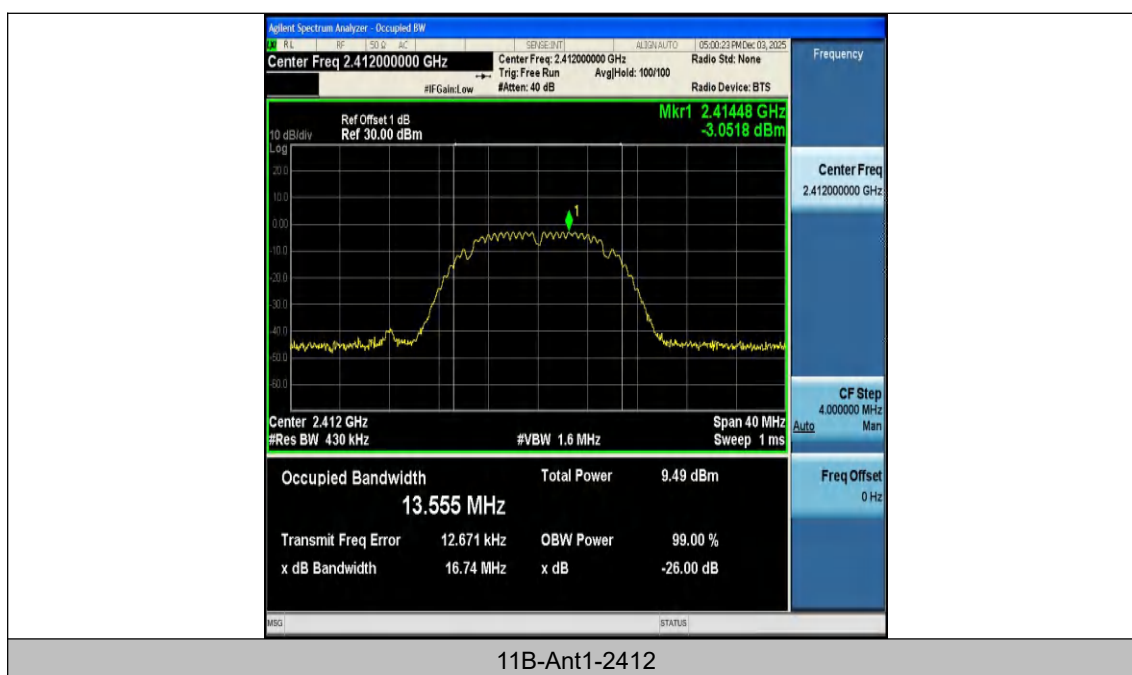
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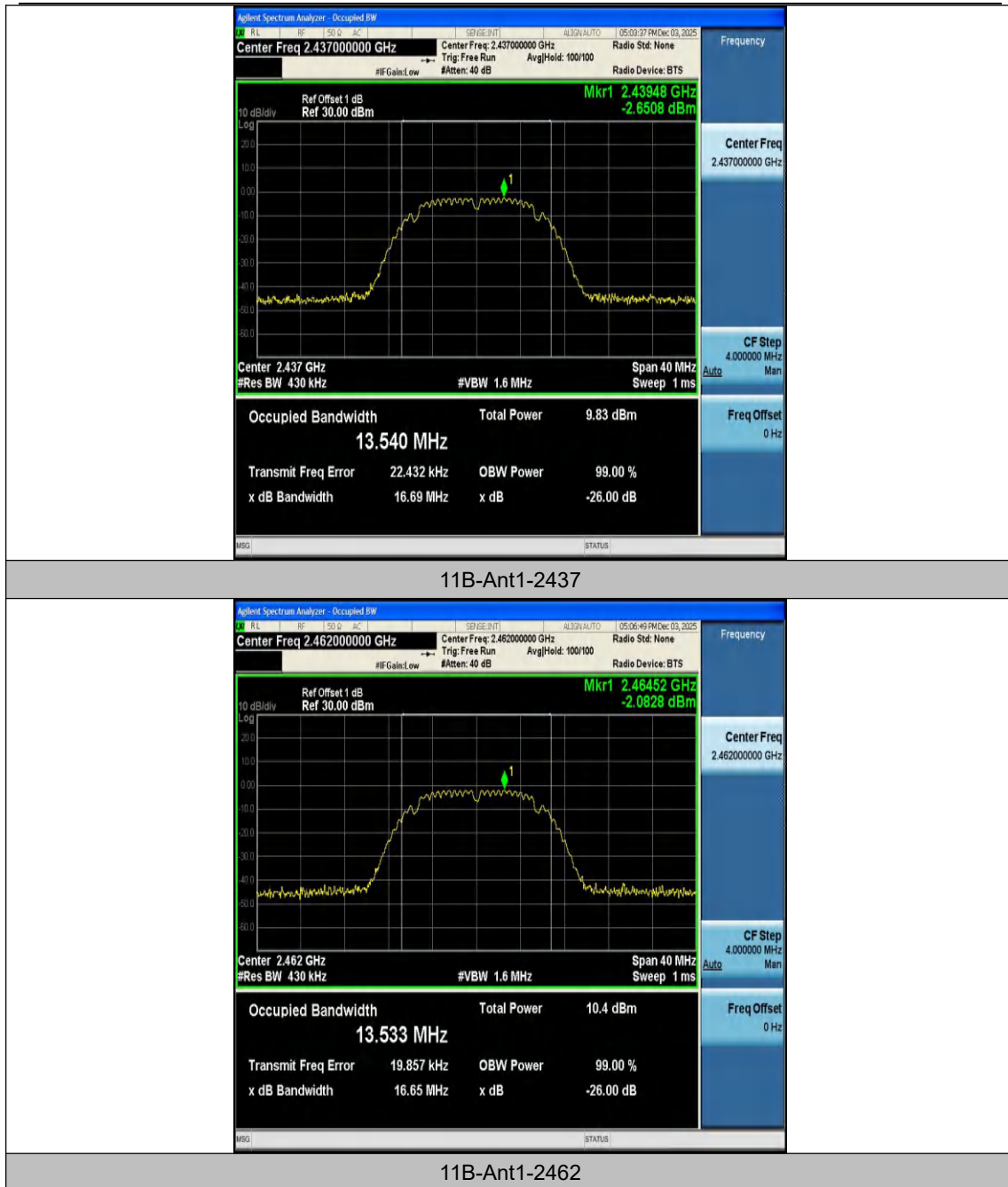
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.555	2405.2352	2418.7902	---	---
11B	Ant1	2437	13.540	2430.2524	2443.7924	---	---
11B	Ant1	2462	13.533	2455.2534	2468.7864	---	---
11G	Ant1	2412	16.361	2403.8174	2420.1784	---	---
11G	Ant1	2437	16.249	2428.8879	2445.1369	---	---
11G	Ant1	2462	16.302	2453.8701	2470.1721	---	---
11N20SISO	Ant1	2412	16.341	2403.8315	2420.1725	---	---
11N20SISO	Ant1	2437	16.315	2428.8397	2445.1547	---	---
11N20SISO	Ant1	2462	16.317	2453.8474	2470.1644	---	---

Test Graphs

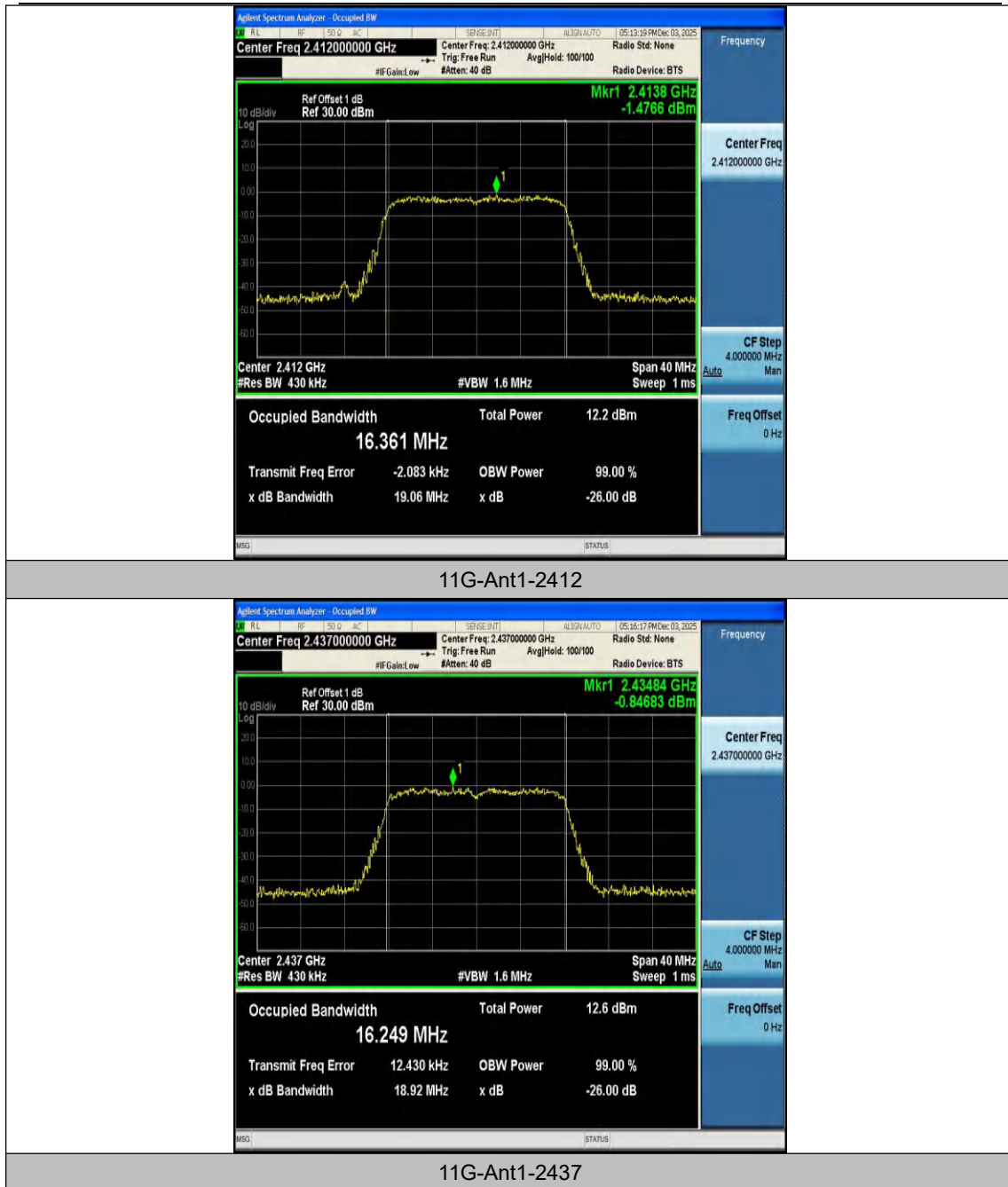




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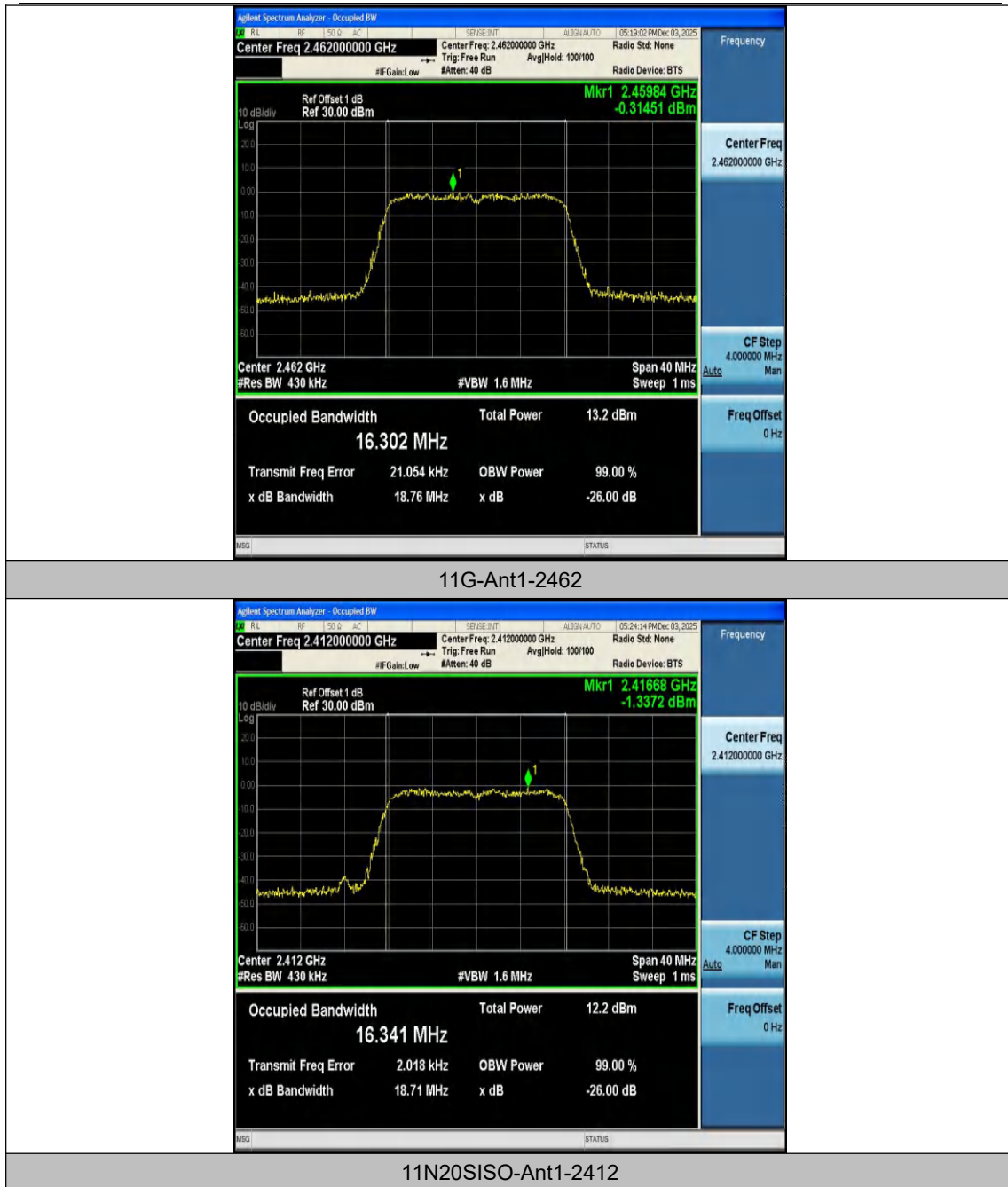
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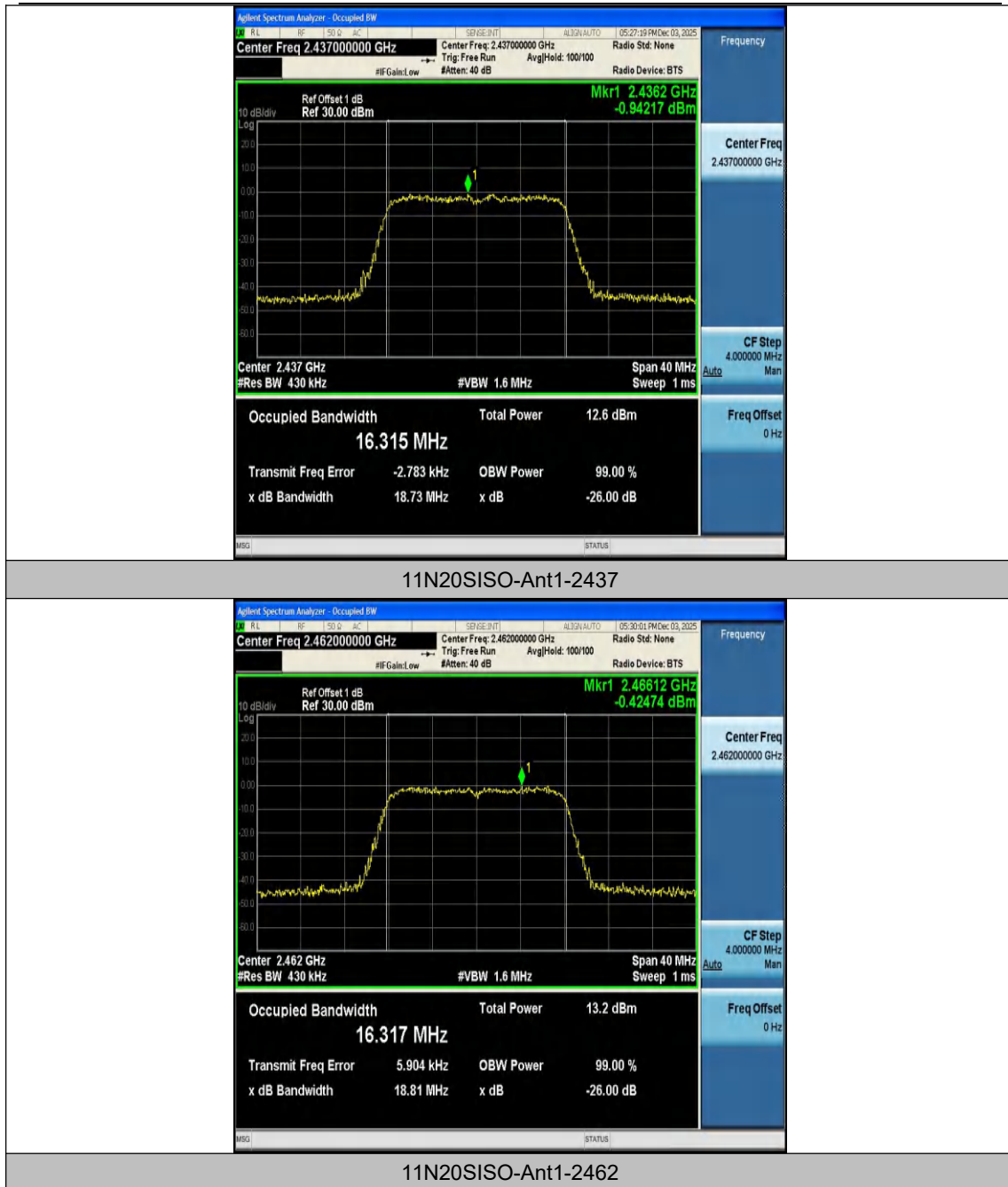
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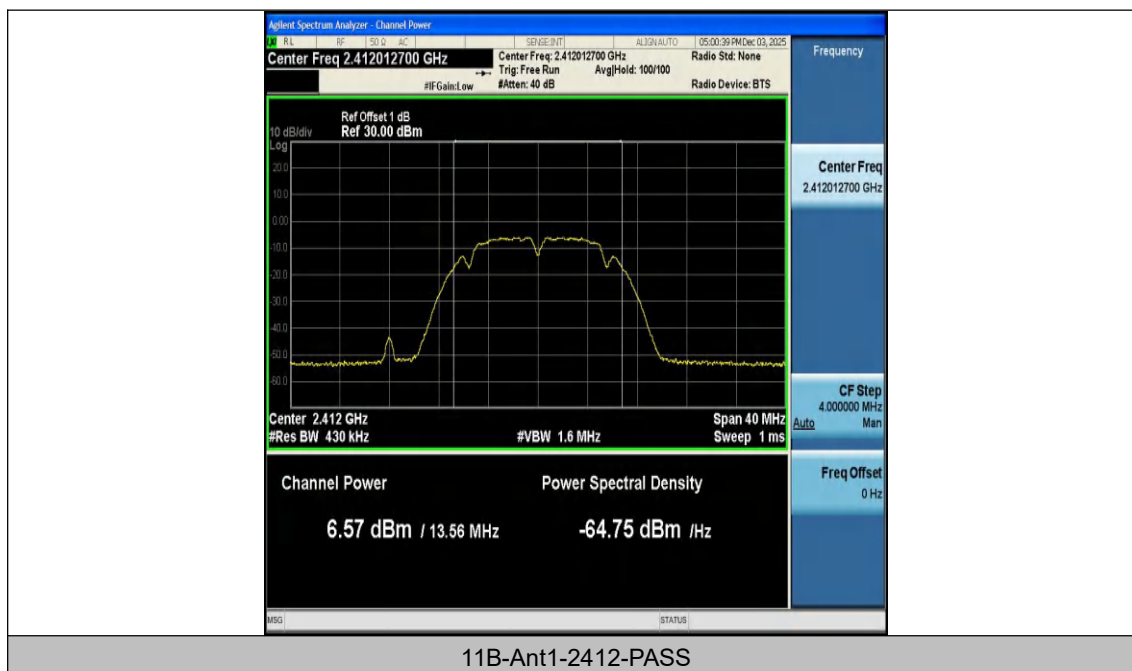
Appendix C: Maximum conducted output power

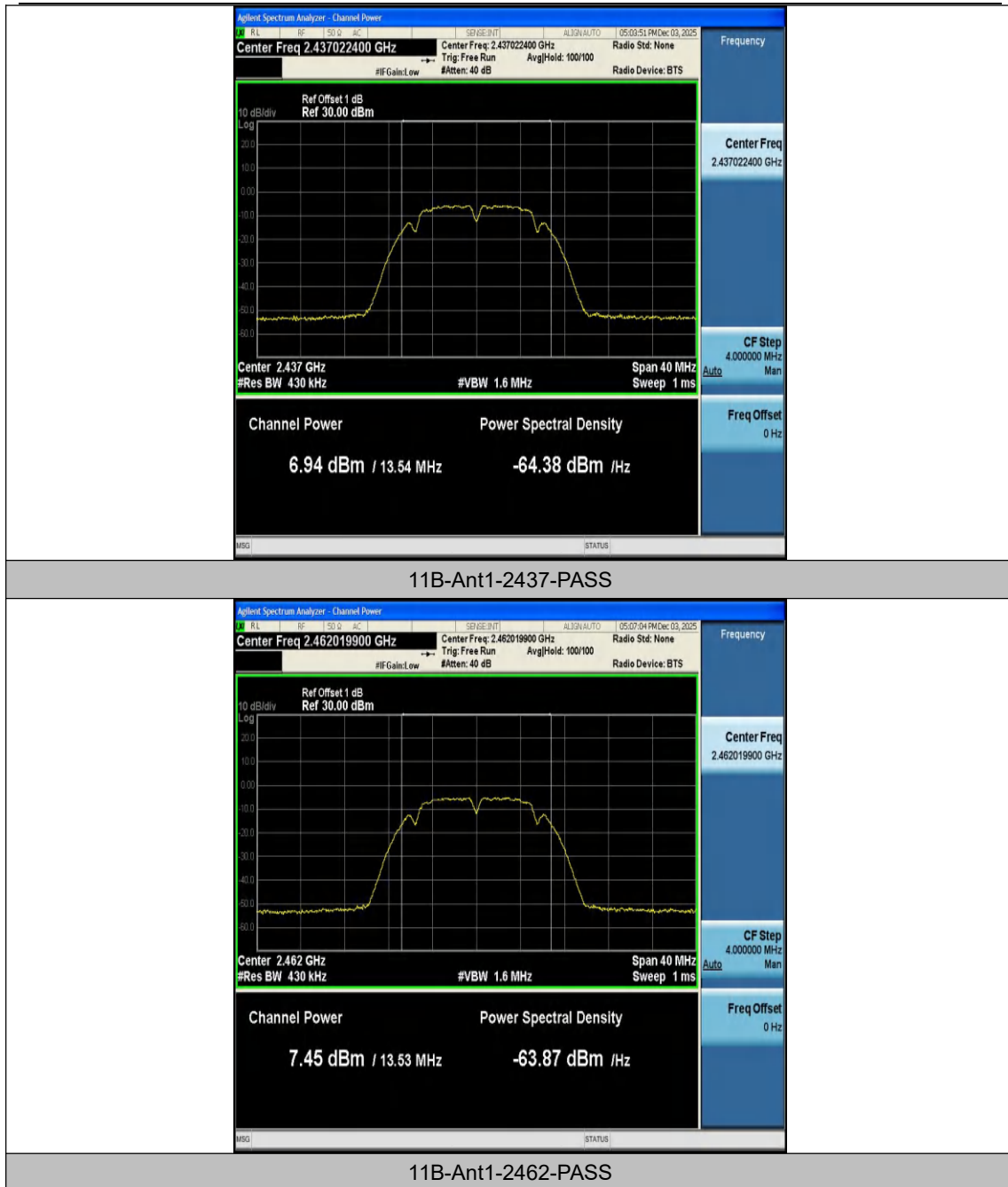
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.57	100.00	0.00	6.57	≤30.00	PASS
11B	Ant1	2437	6.94	100.00	0.00	6.94	≤30.00	PASS
11B	Ant1	2462	7.45	100.00	0.00	7.45	≤30.00	PASS
11G	Ant1	2412	6.23	100.00	0.00	6.23	≤30.00	PASS
11G	Ant1	2437	6.57	100.00	0.00	6.57	≤30.00	PASS
11G	Ant1	2462	7.12	100.00	0.00	7.12	≤30.00	PASS
11N20SISO	Ant1	2412	6.08	100.00	0.00	6.08	≤30.00	PASS
11N20SISO	Ant1	2437	6.59	100.00	0.00	6.59	≤30.00	PASS
11N20SISO	Ant1	2462	7.08	100.00	0.00	7.08	≤30.00	PASS

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

Test Graphs Average

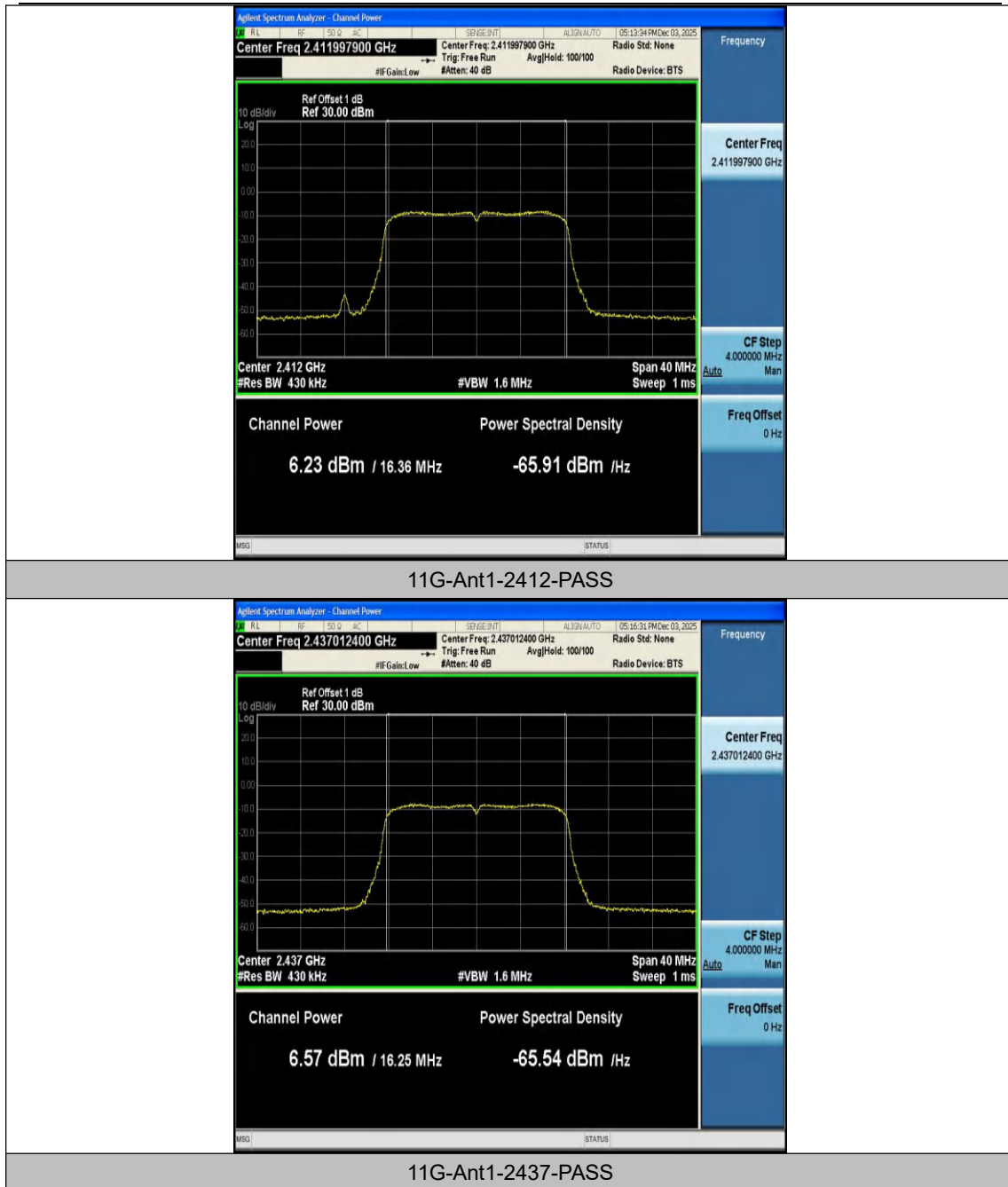




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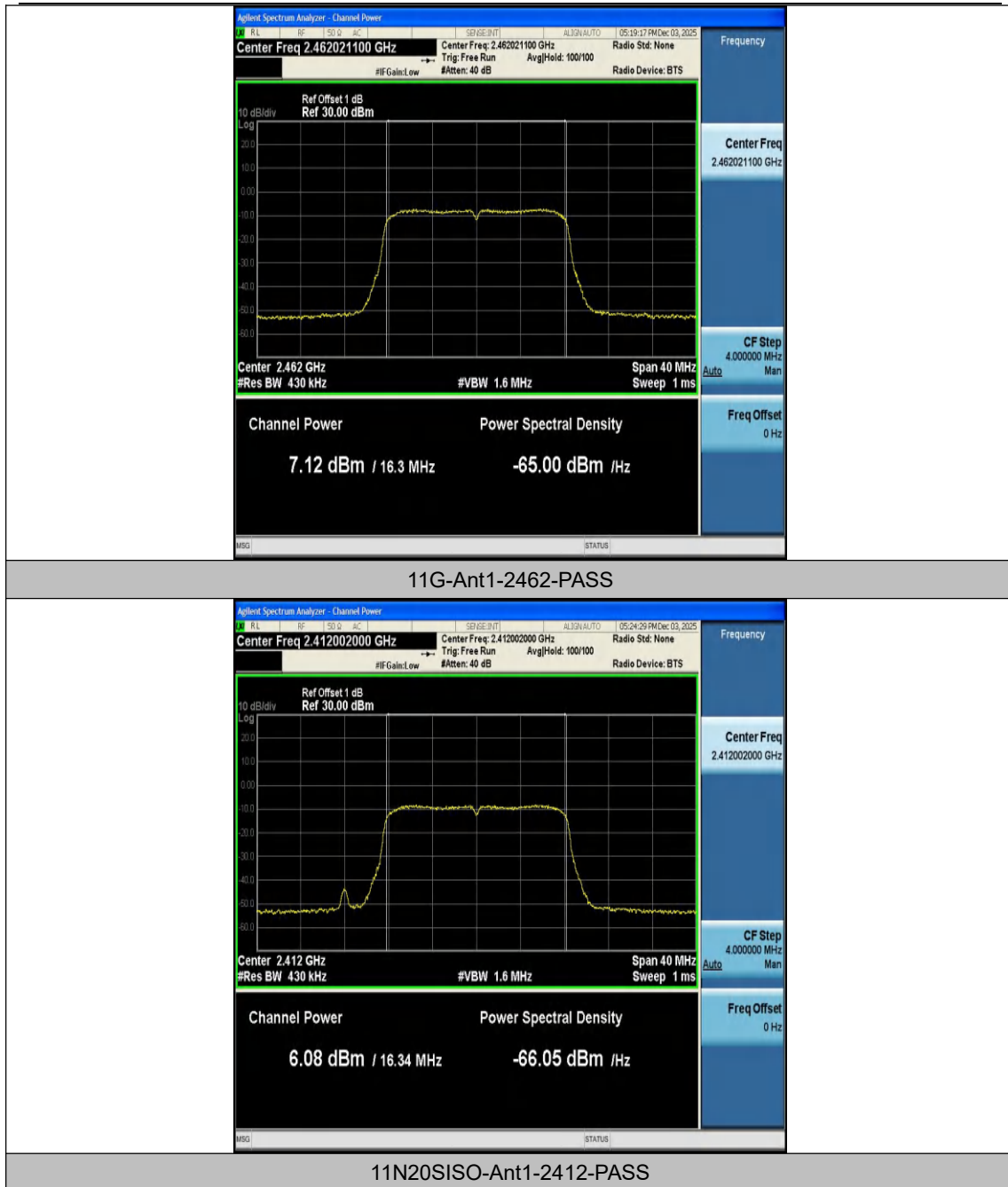
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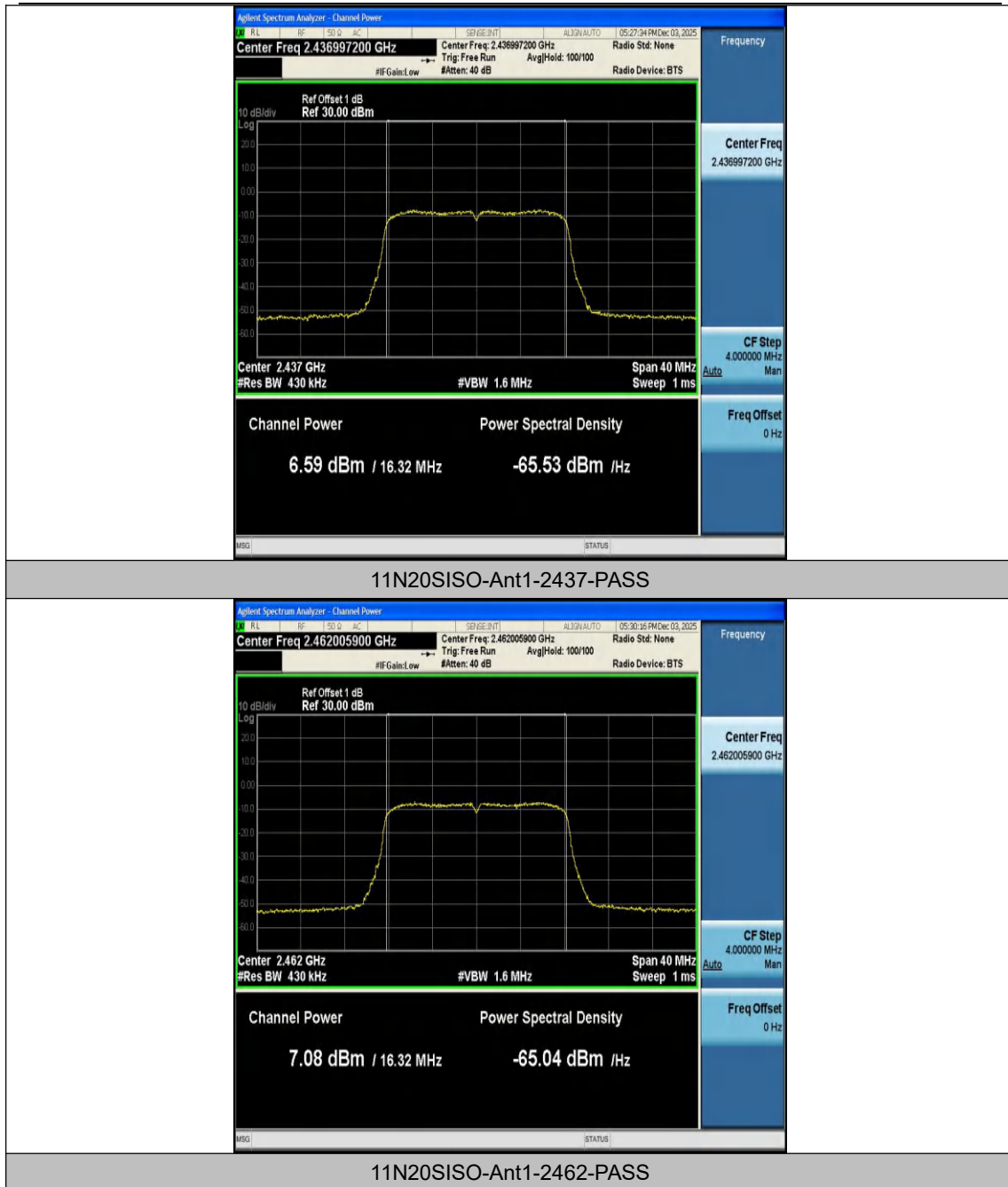
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Appendix D: Maximum power spectral density

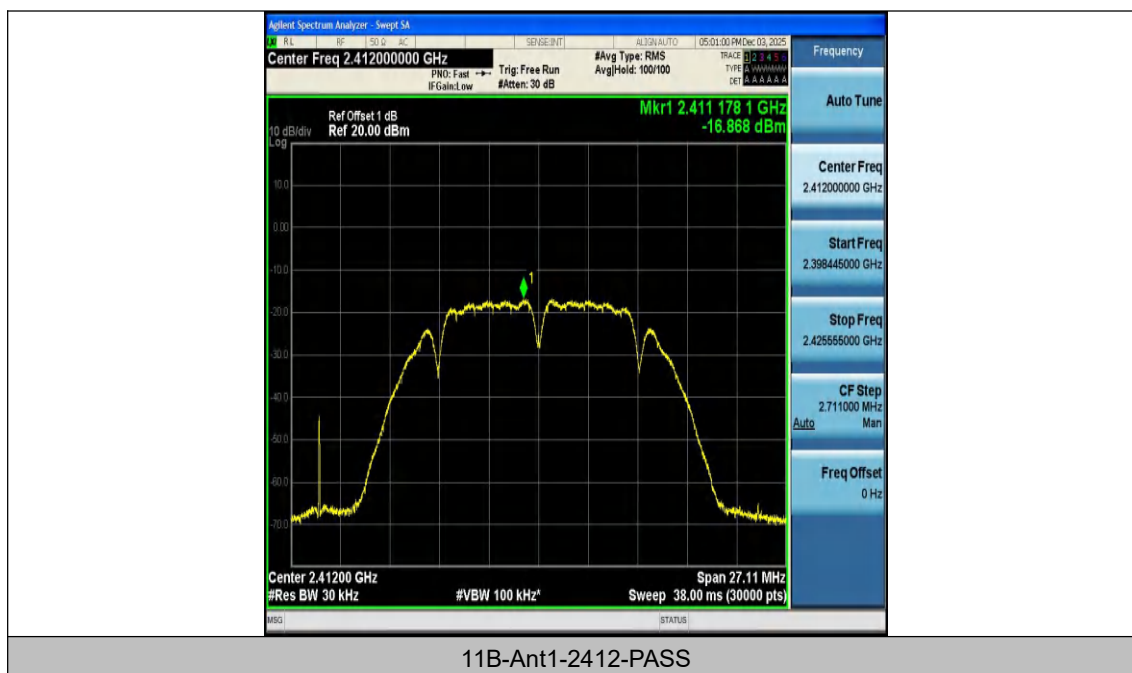
Test Result

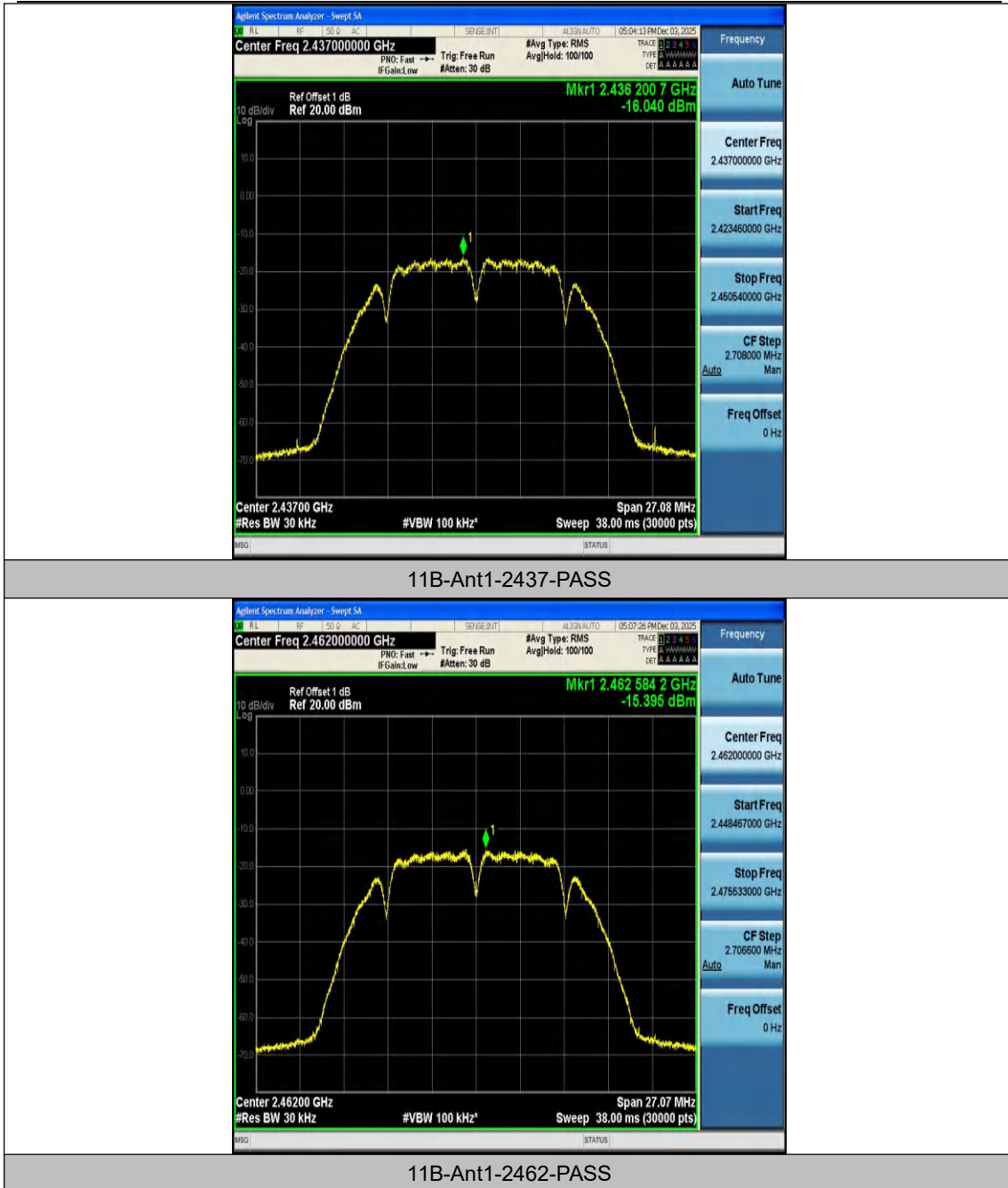
Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.87	≤8.00	PASS
11B	Ant1	2437	-16.04	≤8.00	PASS
11B	Ant1	2462	-15.40	≤8.00	PASS
11G	Ant1	2412	-17.95	≤8.00	PASS
11G	Ant1	2437	-17.53	≤8.00	PASS
11G	Ant1	2462	-17.02	≤8.00	PASS
11N20SISO	Ant1	2412	-18.25	≤8.00	PASS
11N20SISO	Ant1	2437	-17.50	≤8.00	PASS
11N20SISO	Ant1	2462	-16.99	≤8.00	PASS

Note:

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

Test Graphs

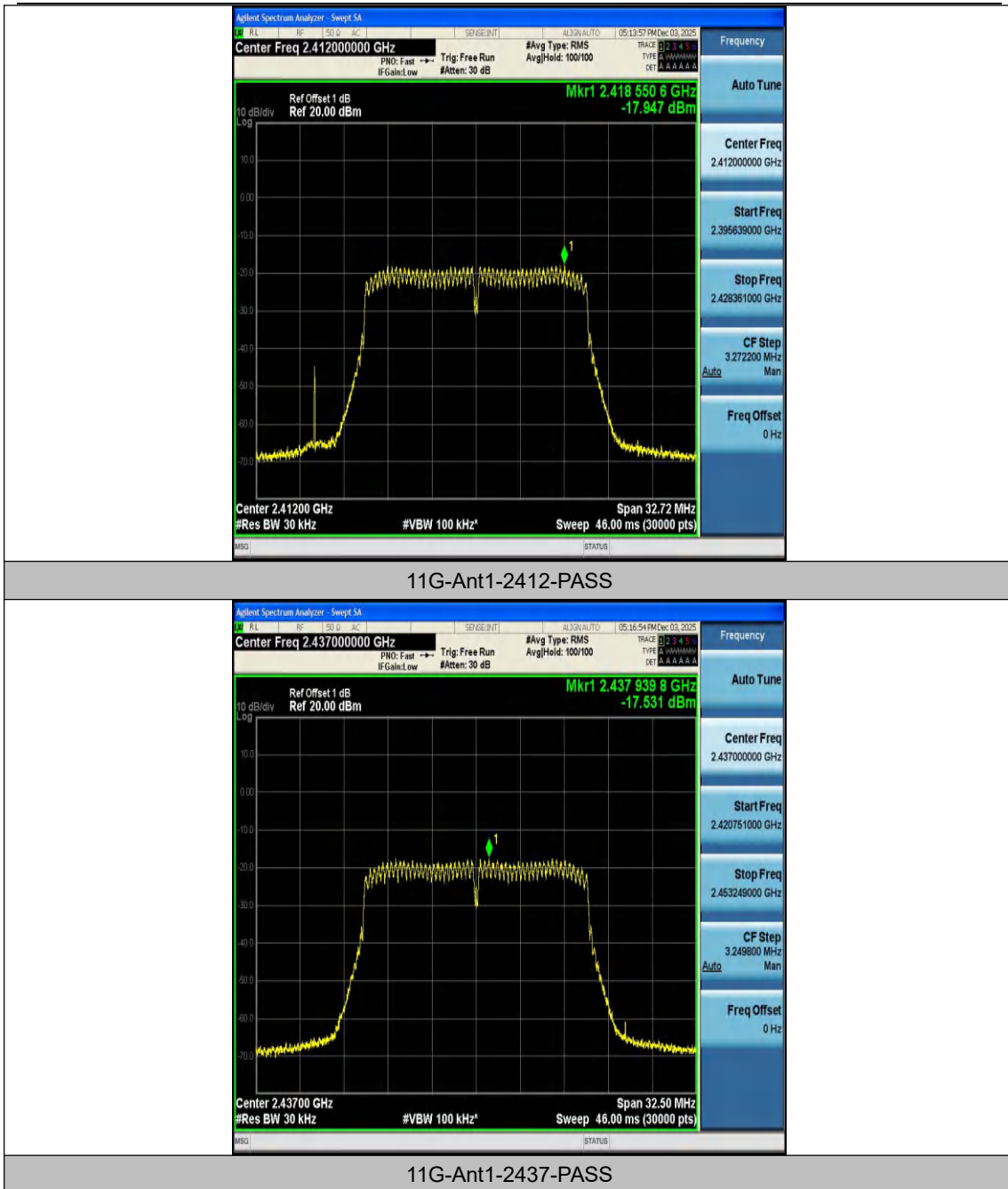




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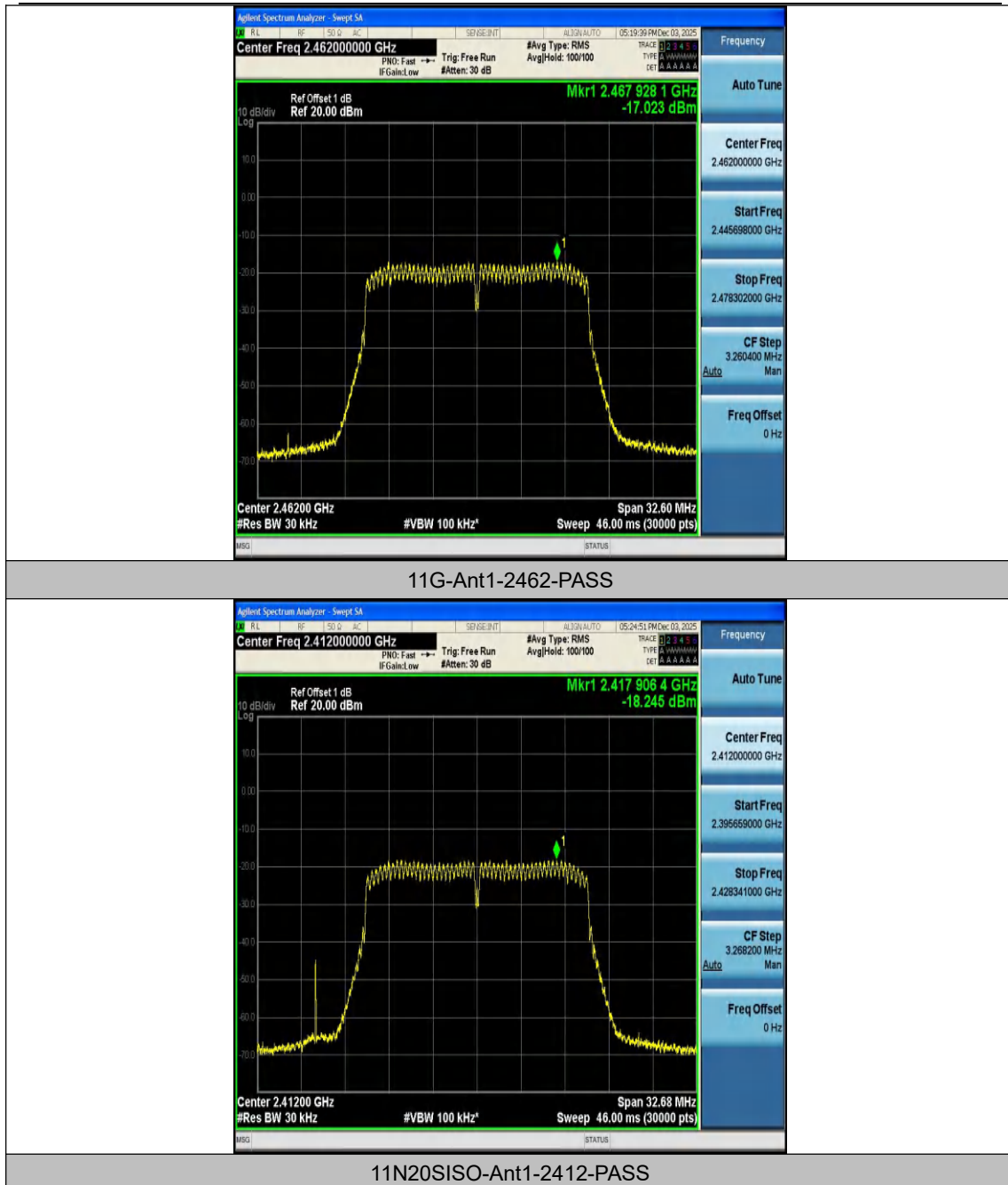
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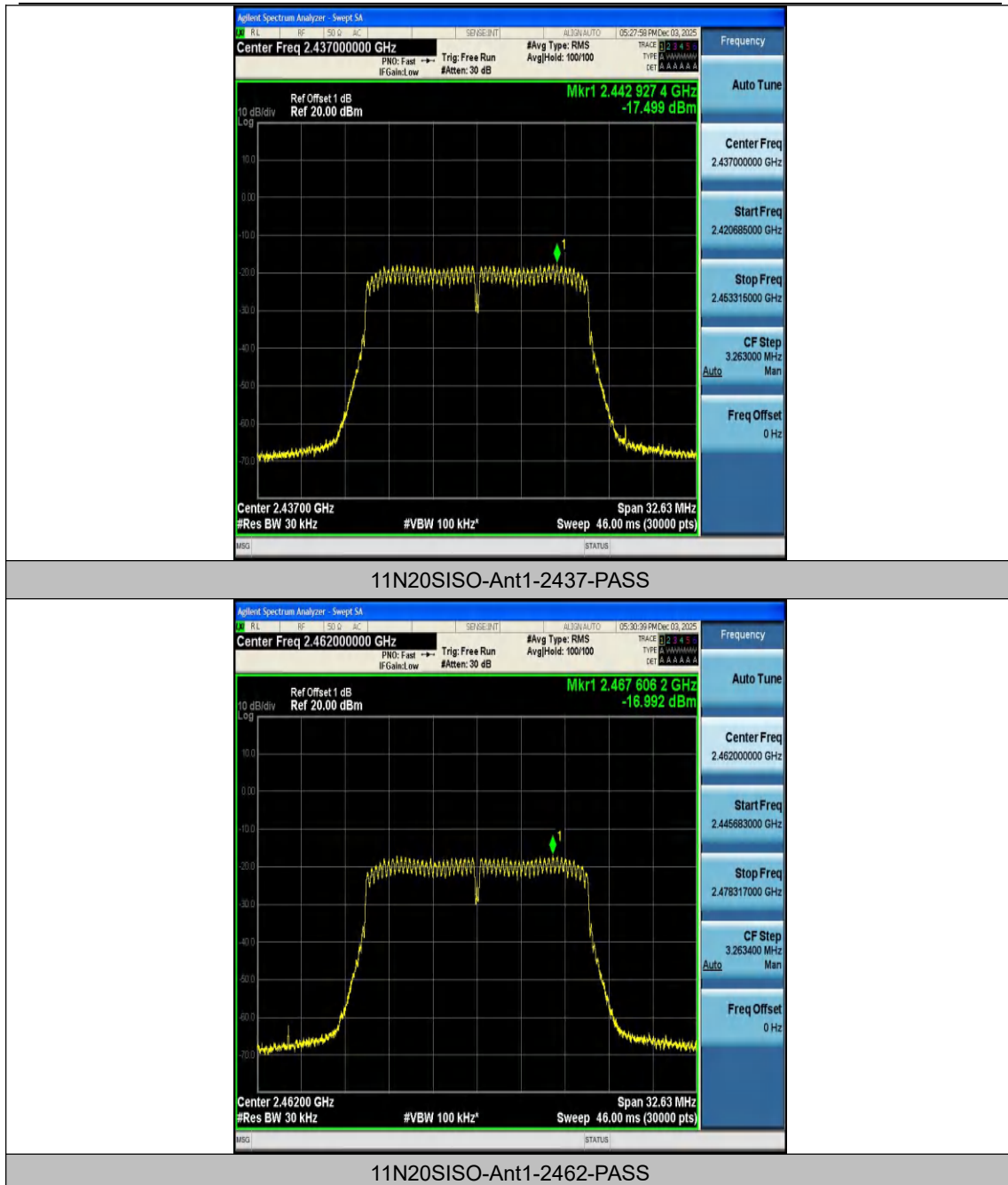
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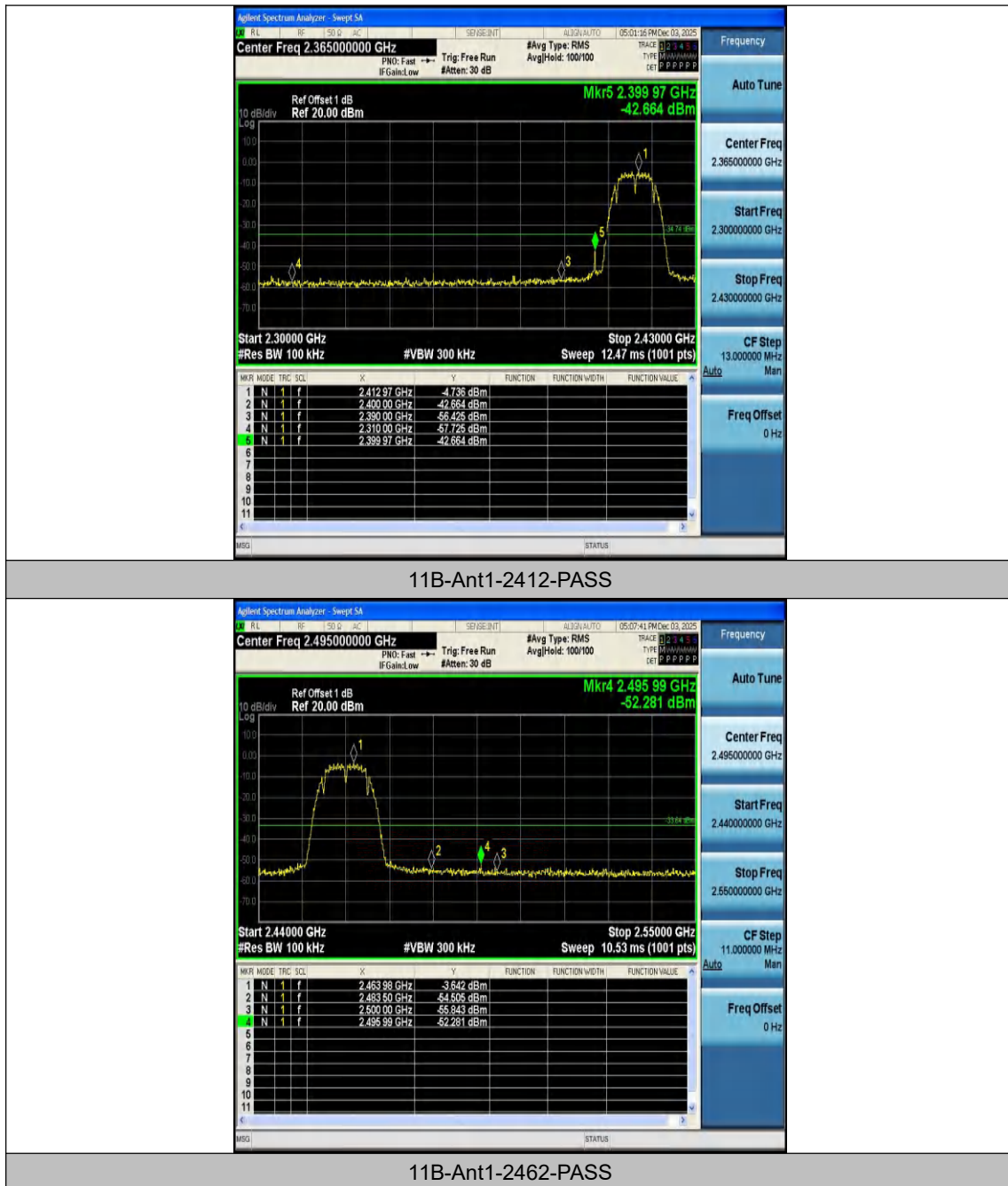
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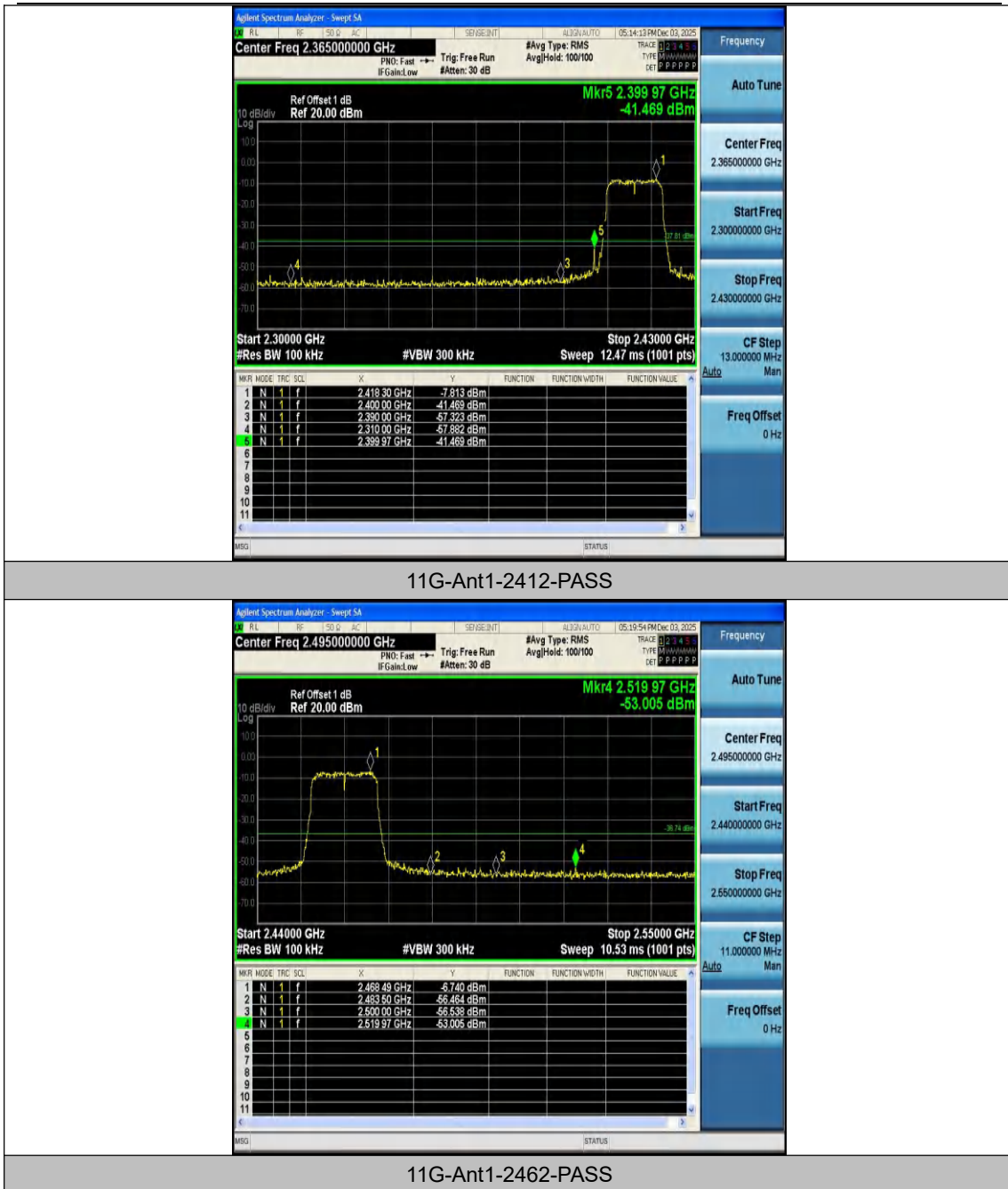
Appendix E: Conducted Band edge

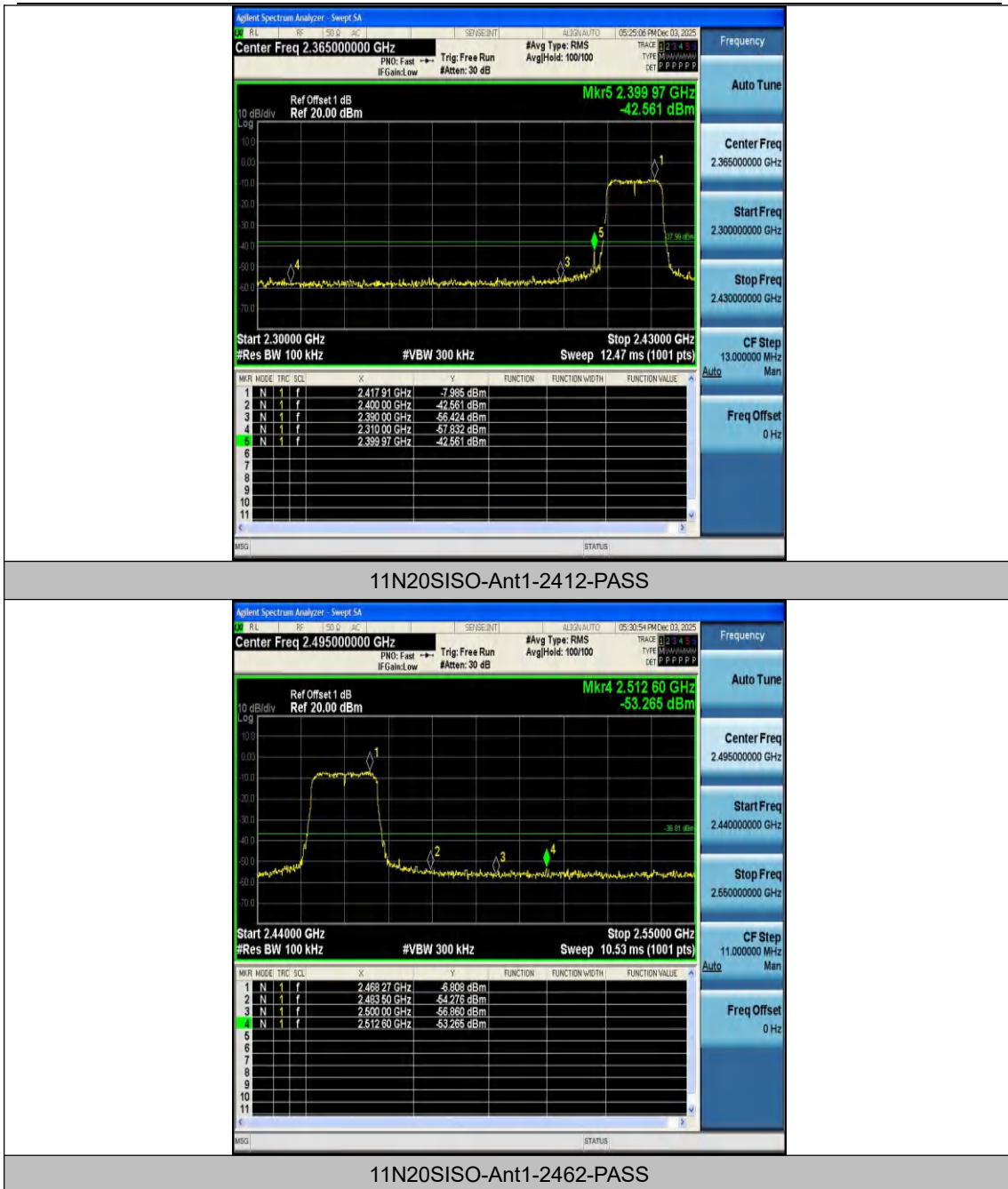
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.74	-42.66	≤-34.74	PASS
11B	Ant1	High	2462	-3.64	-52.28	≤-33.64	PASS
11G	Ant1	Low	2412	-7.81	-41.47	≤-37.81	PASS
11G	Ant1	High	2462	-6.74	-53.01	≤-36.74	PASS
11N20SISO	Ant1	Low	2412	-7.99	-42.56	≤-37.99	PASS
11N20SISO	Ant1	High	2462	-6.81	-53.27	≤-36.81	PASS

Test Graphs







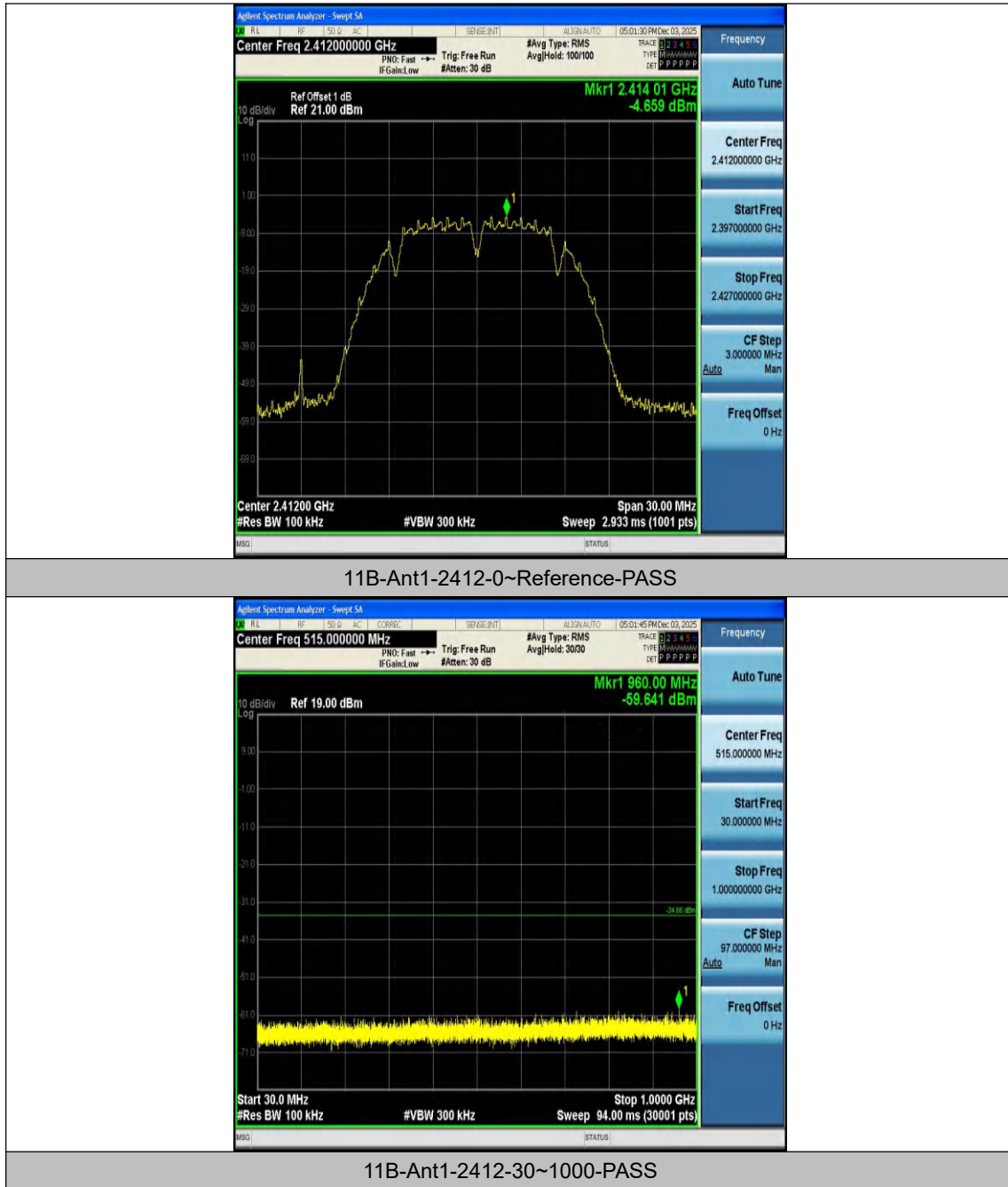
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-4.66	-4.66	---	PASS
11B	Ant1	2412	30~1000	-4.66	-59.64	≤-34.66	PASS
11B	Ant1	2412	1000~26500	-4.66	-42.29	≤-34.66	PASS
11B	Ant1	2437	0~Reference	-4.23	-4.23	---	PASS
11B	Ant1	2437	30~1000	-4.23	-60.29	≤-34.23	PASS
11B	Ant1	2437	1000~26500	-4.23	-42.14	≤-34.23	PASS
11B	Ant1	2462	0~Reference	-3.74	-3.74	---	PASS
11B	Ant1	2462	30~1000	-3.74	-60.3	≤-33.74	PASS
11B	Ant1	2462	1000~26500	-3.74	-42.22	≤-33.74	PASS
11G	Ant1	2412	0~Reference	-7.99	-7.99	---	PASS
11G	Ant1	2412	30~1000	-7.99	-60	≤-37.99	PASS
11G	Ant1	2412	1000~26500	-7.99	-42.33	≤-37.99	PASS
11G	Ant1	2437	0~Reference	-7.65	-7.65	---	PASS
11G	Ant1	2437	30~1000	-7.65	-59.99	≤-37.65	PASS
11G	Ant1	2437	1000~26500	-7.65	-43.13	≤-37.65	PASS
11G	Ant1	2462	0~Reference	-6.67	-6.67	---	PASS
11G	Ant1	2462	30~1000	-6.67	-60.32	≤-36.67	PASS
11G	Ant1	2462	1000~26500	-6.67	-42.16	≤-36.67	PASS
11N20SISO	Ant1	2412	0~Reference	-7.93	-7.93	---	PASS
11N20SISO	Ant1	2412	30~1000	-7.93	-60.03	≤-37.93	PASS
11N20SISO	Ant1	2412	1000~26500	-7.93	-41.96	≤-37.93	PASS
11N20SISO	Ant1	2437	0~Reference	-7.61	-7.61	---	PASS
11N20SISO	Ant1	2437	30~1000	-7.61	-59.59	≤-37.61	PASS
11N20SISO	Ant1	2437	1000~26500	-7.61	-42.41	≤-37.61	PASS
11N20SISO	Ant1	2462	0~Reference	-7.12	-7.12	---	PASS
11N20SISO	Ant1	2462	30~1000	-7.12	-59.58	≤-37.12	PASS
11N20SISO	Ant1	2462	1000~26500	-7.12	-42.09	≤-37.12	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.

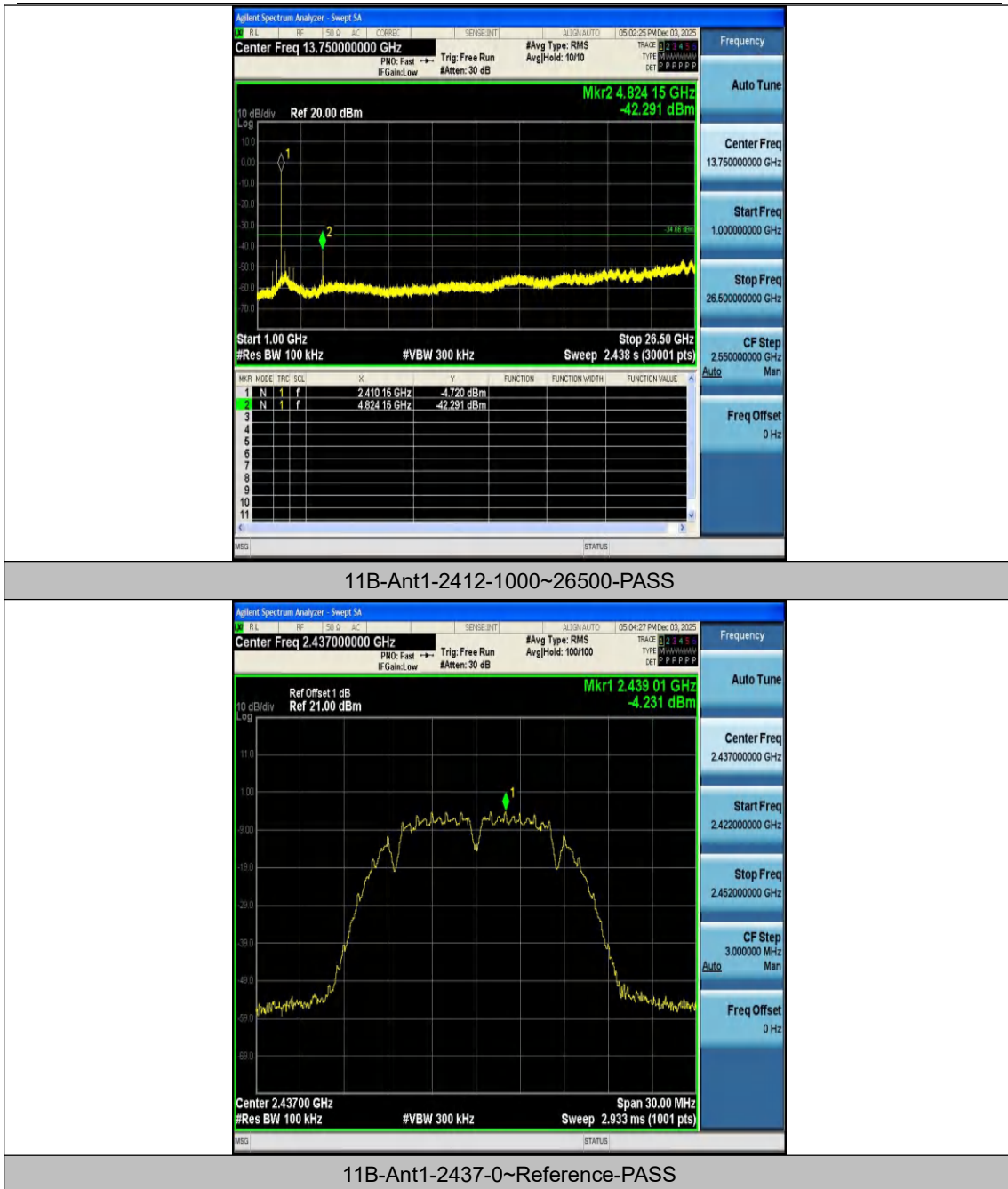
Test Graphs



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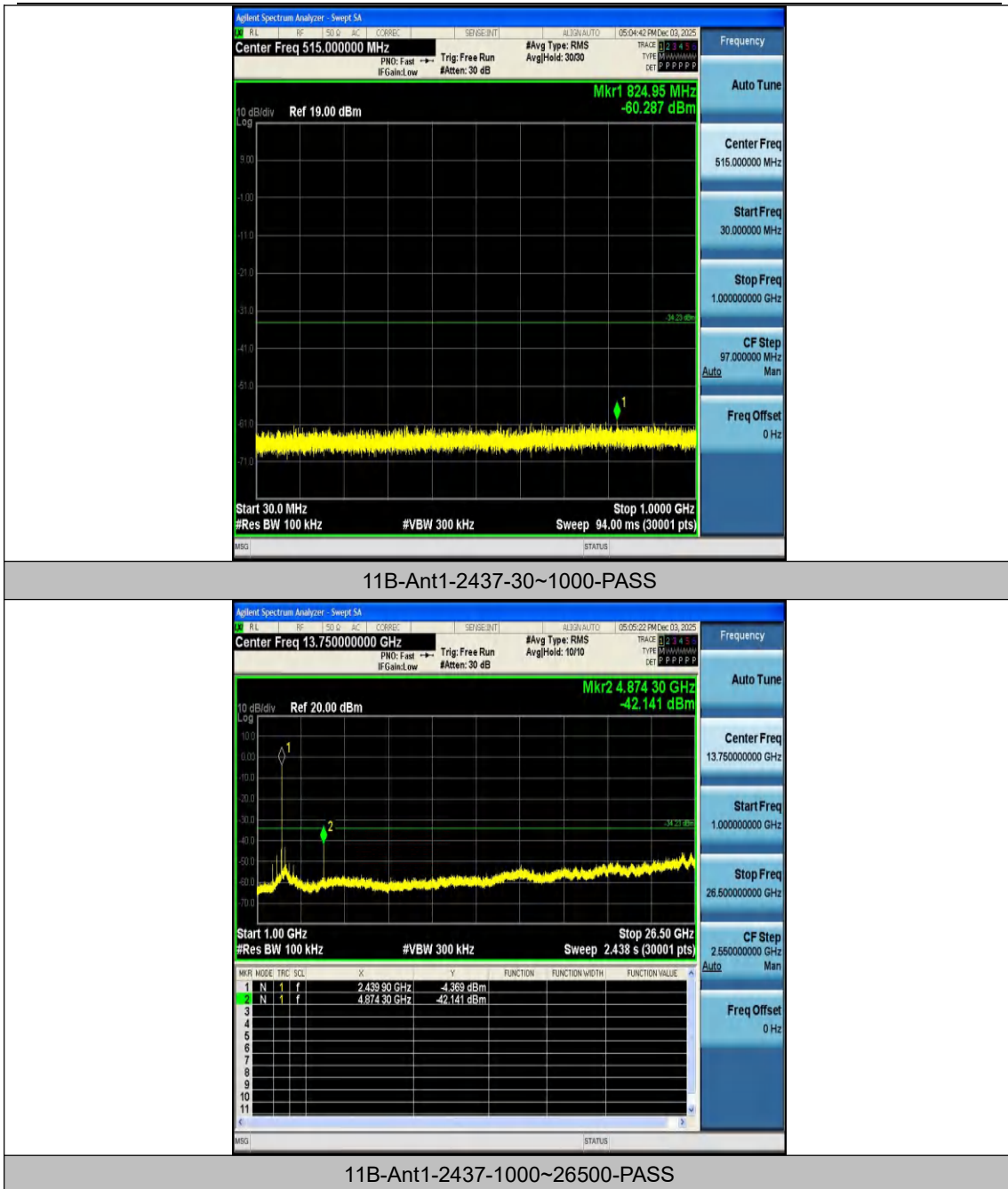
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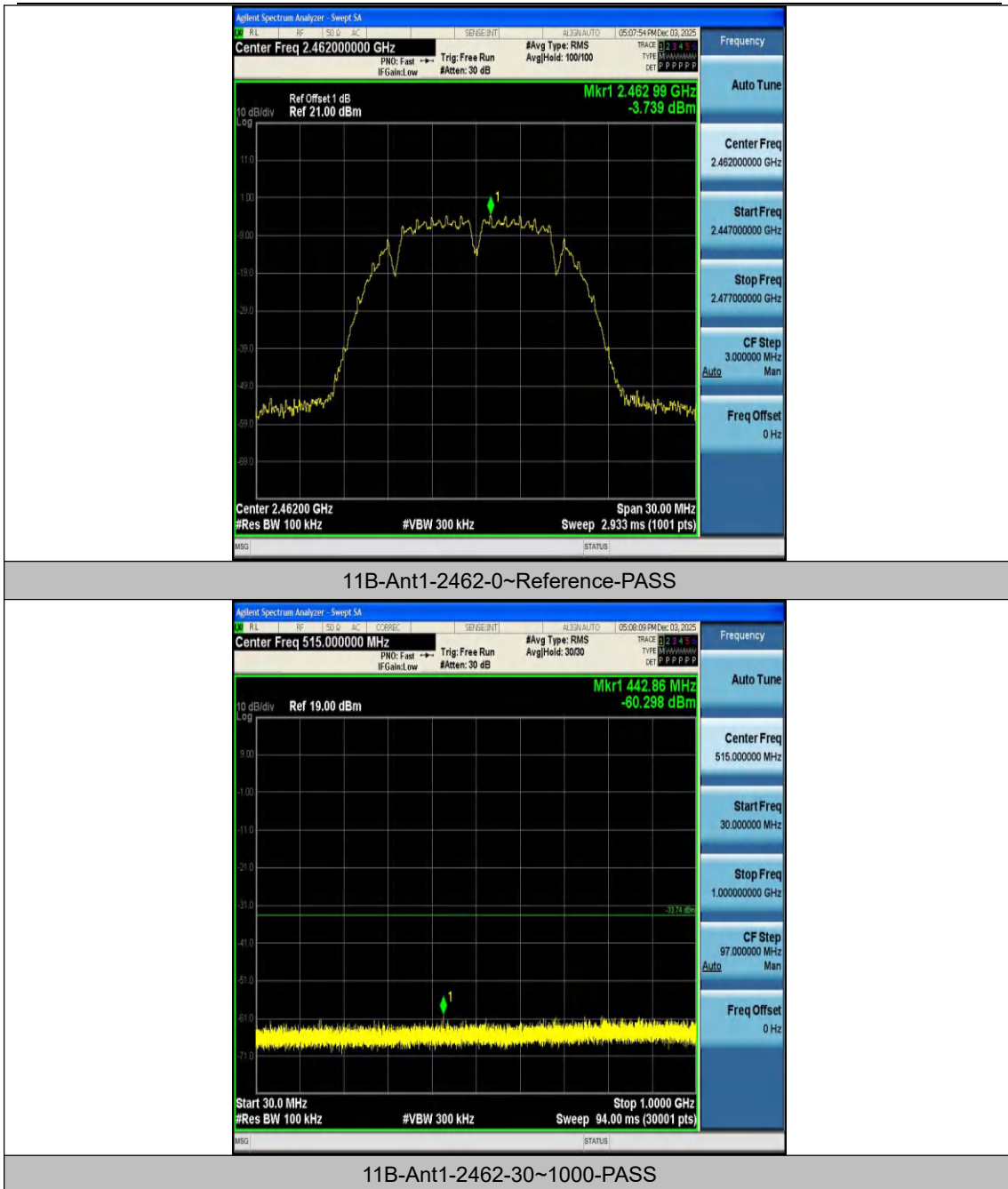
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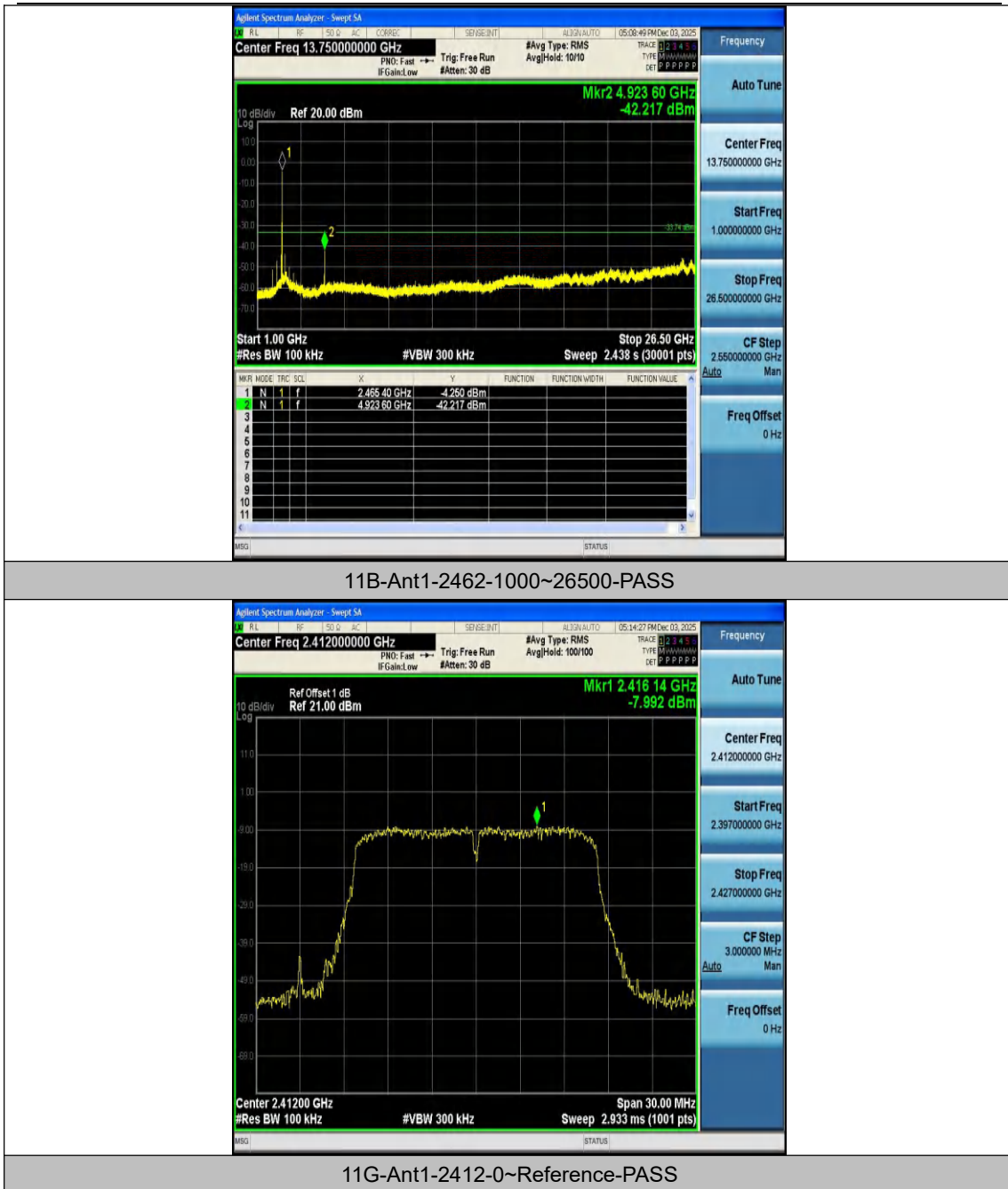
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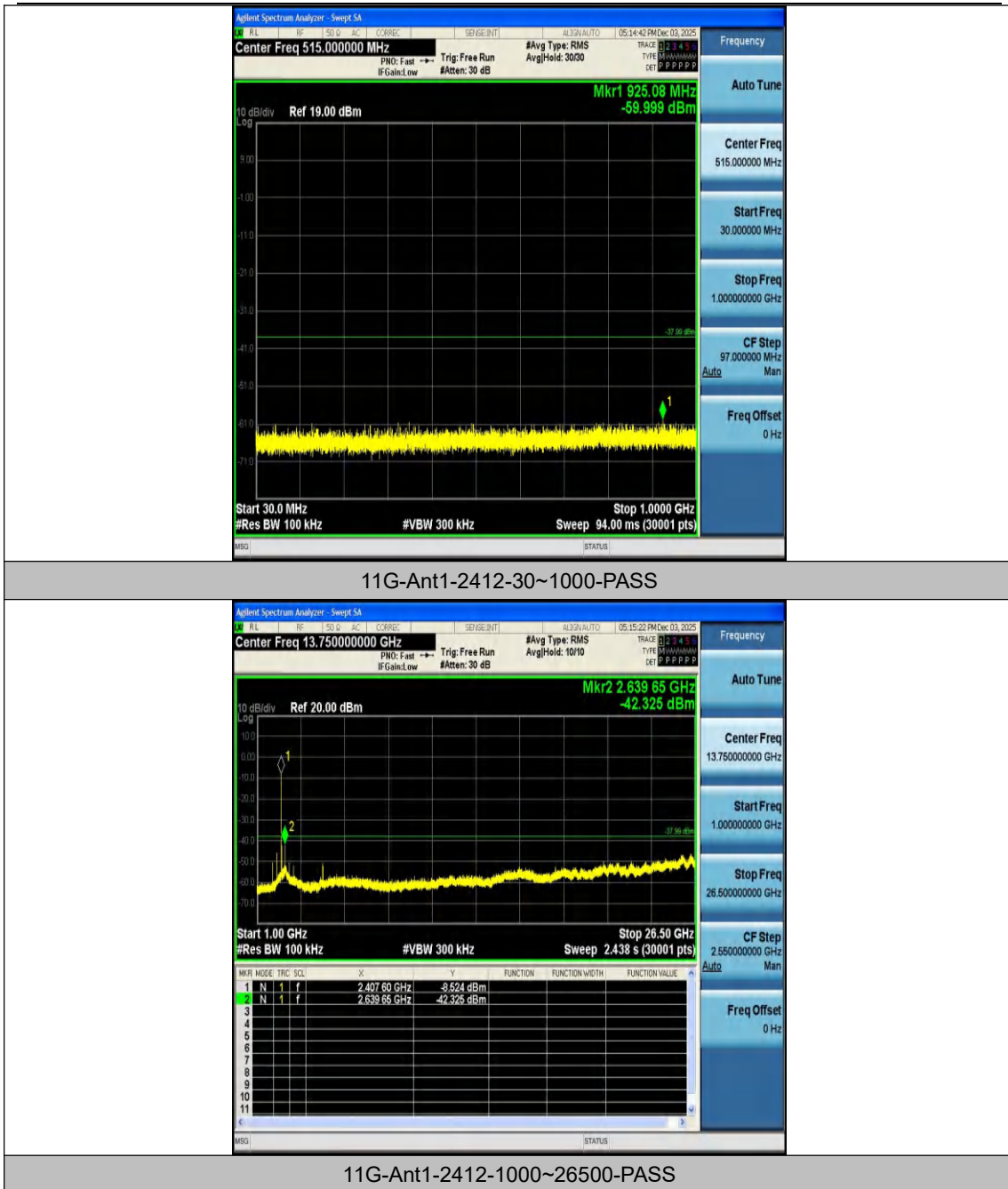
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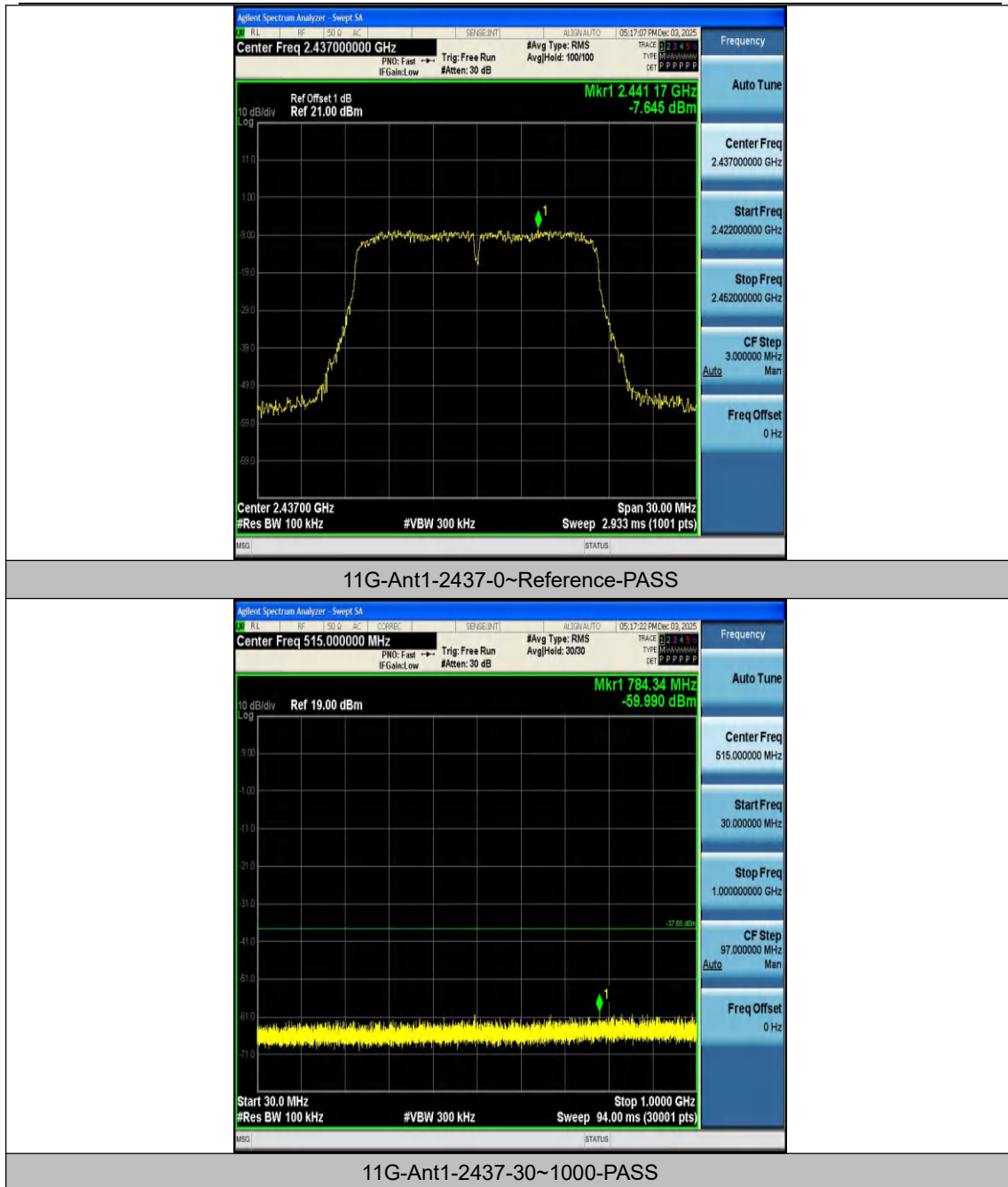
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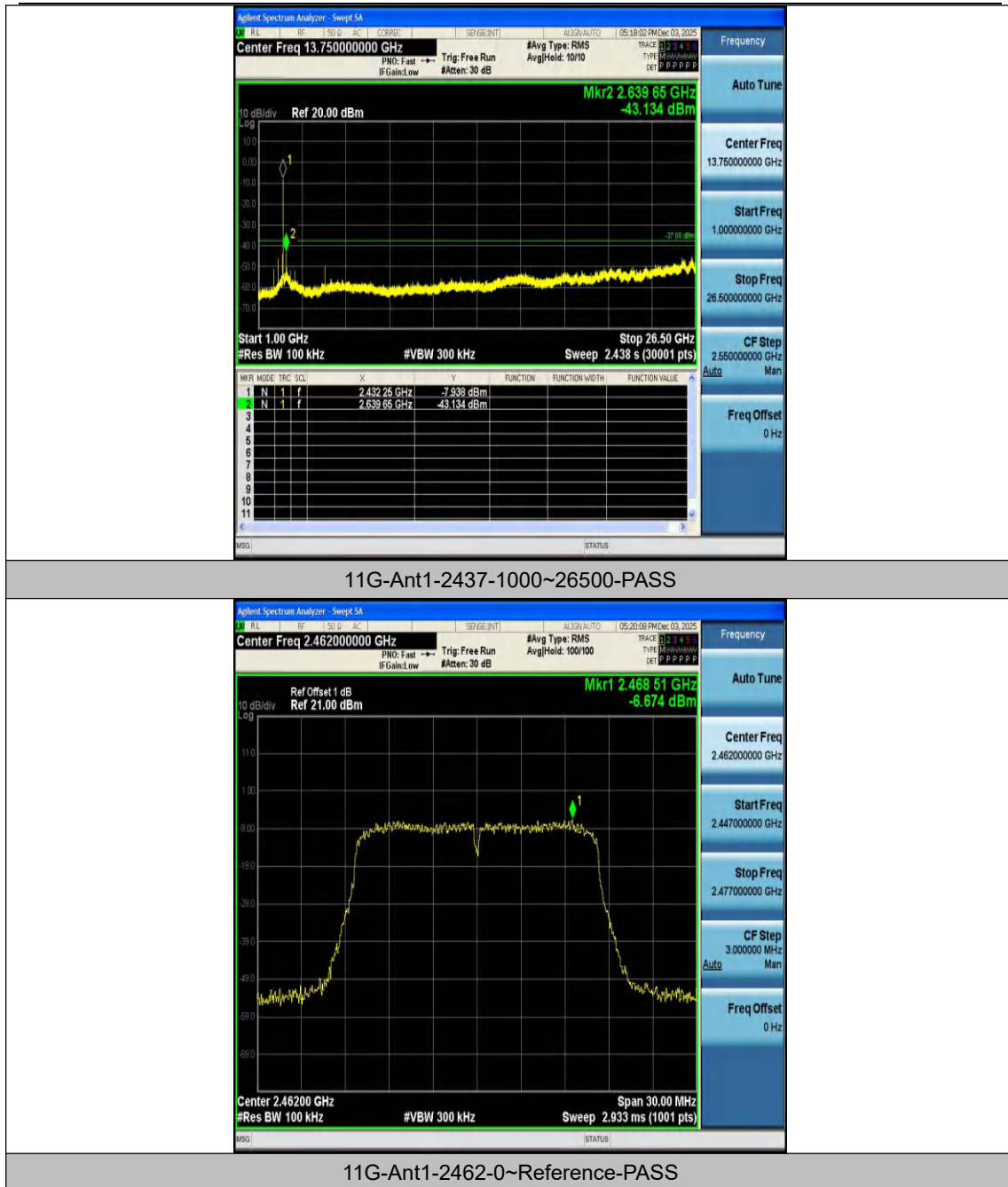
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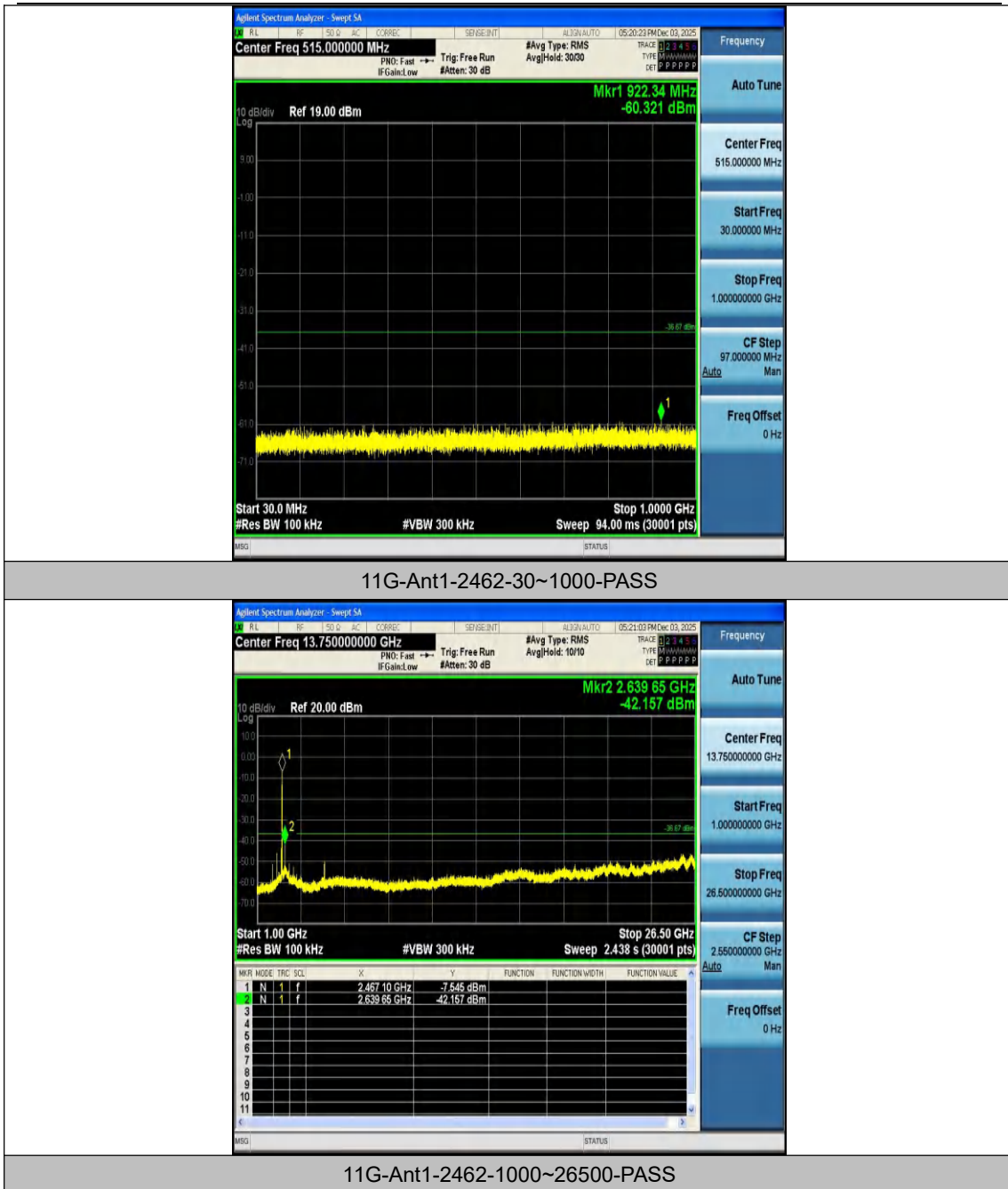
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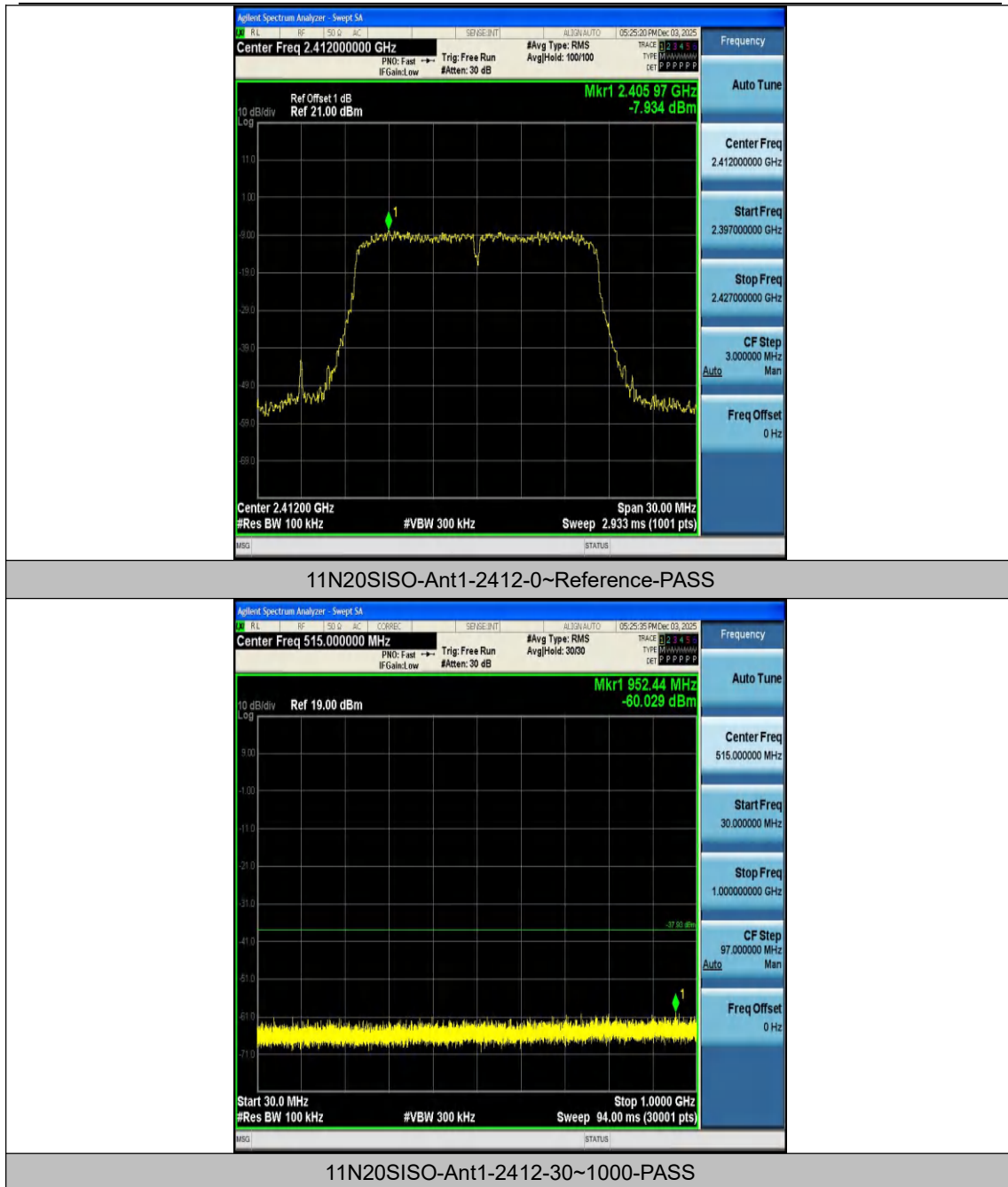
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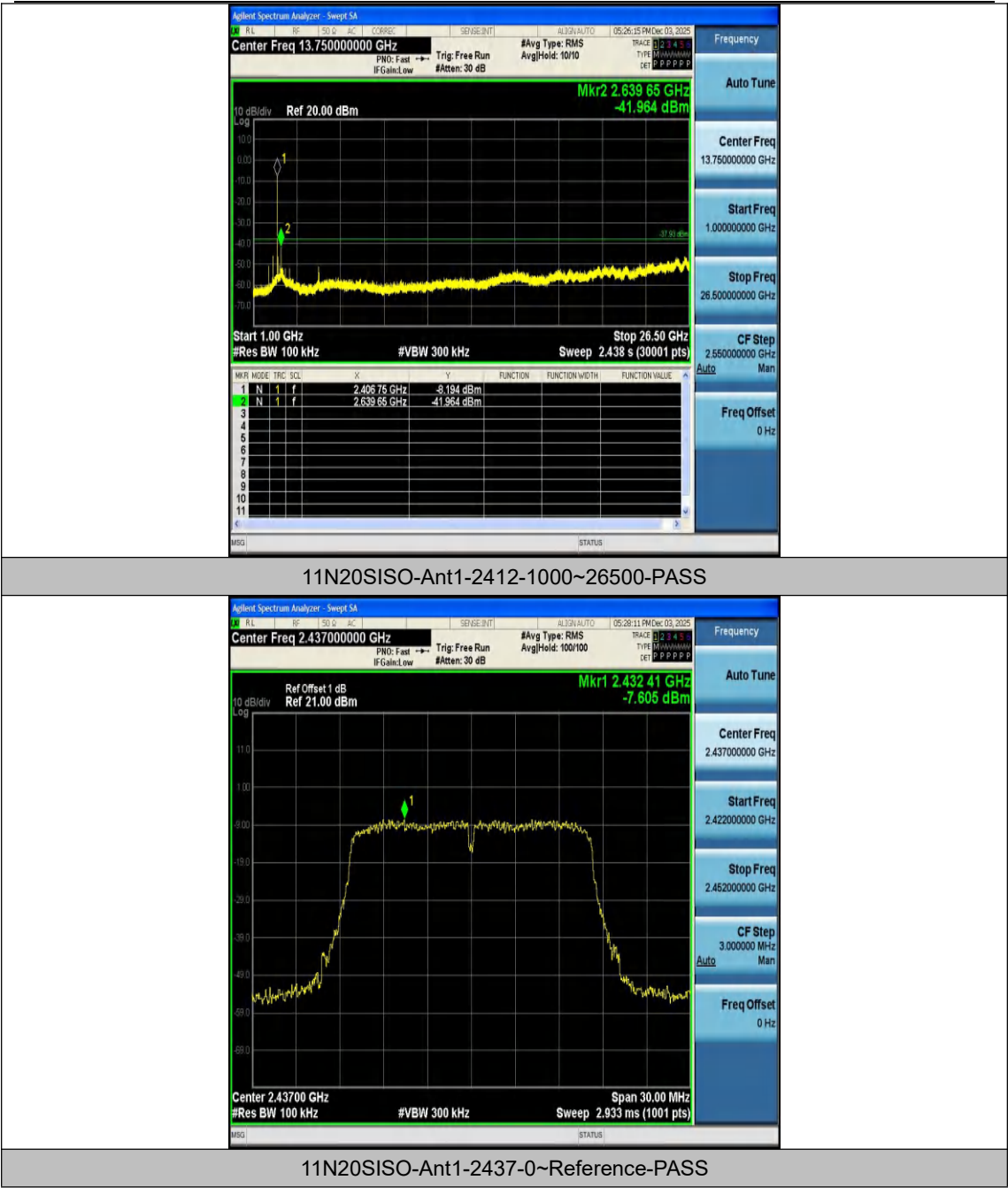
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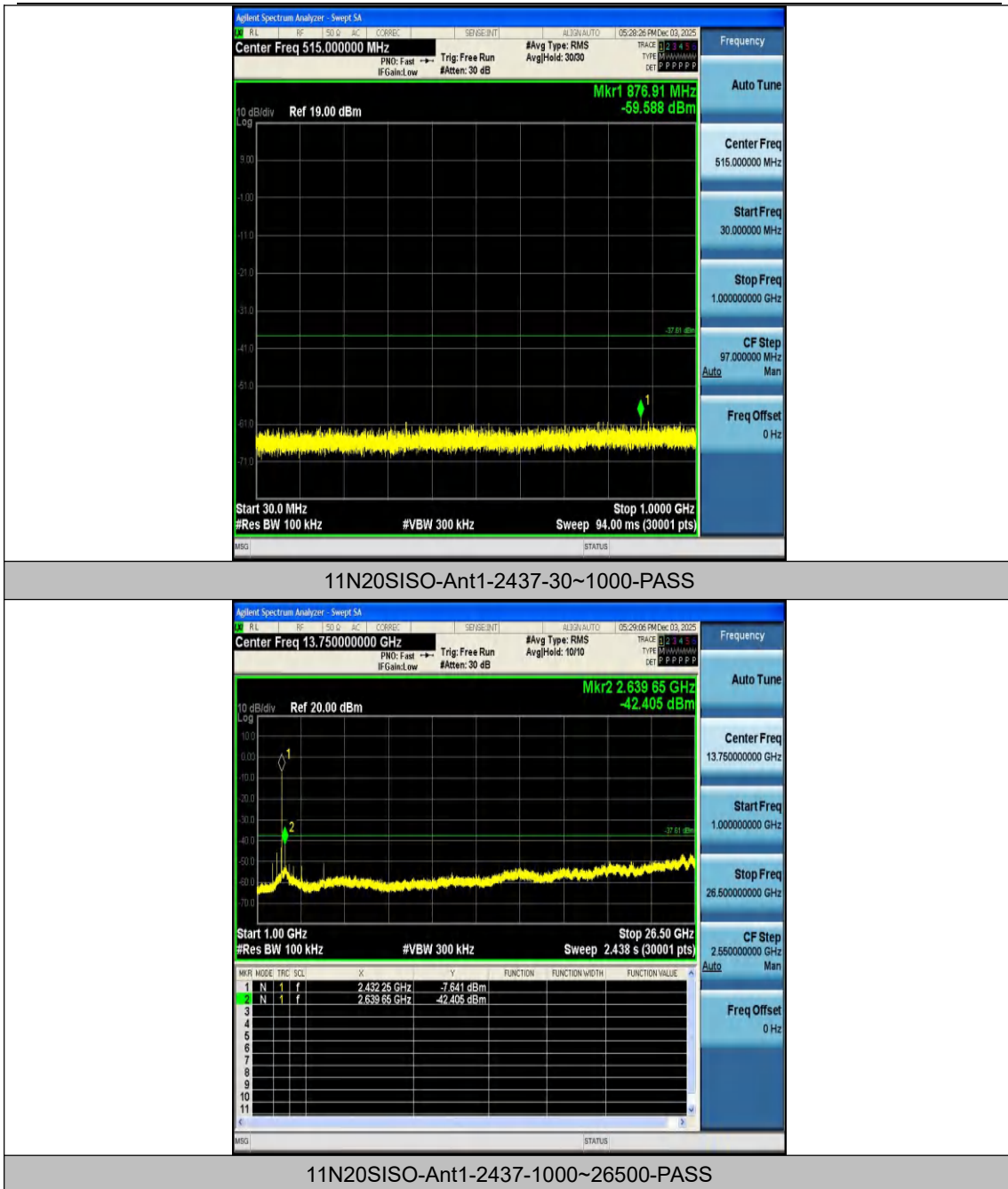


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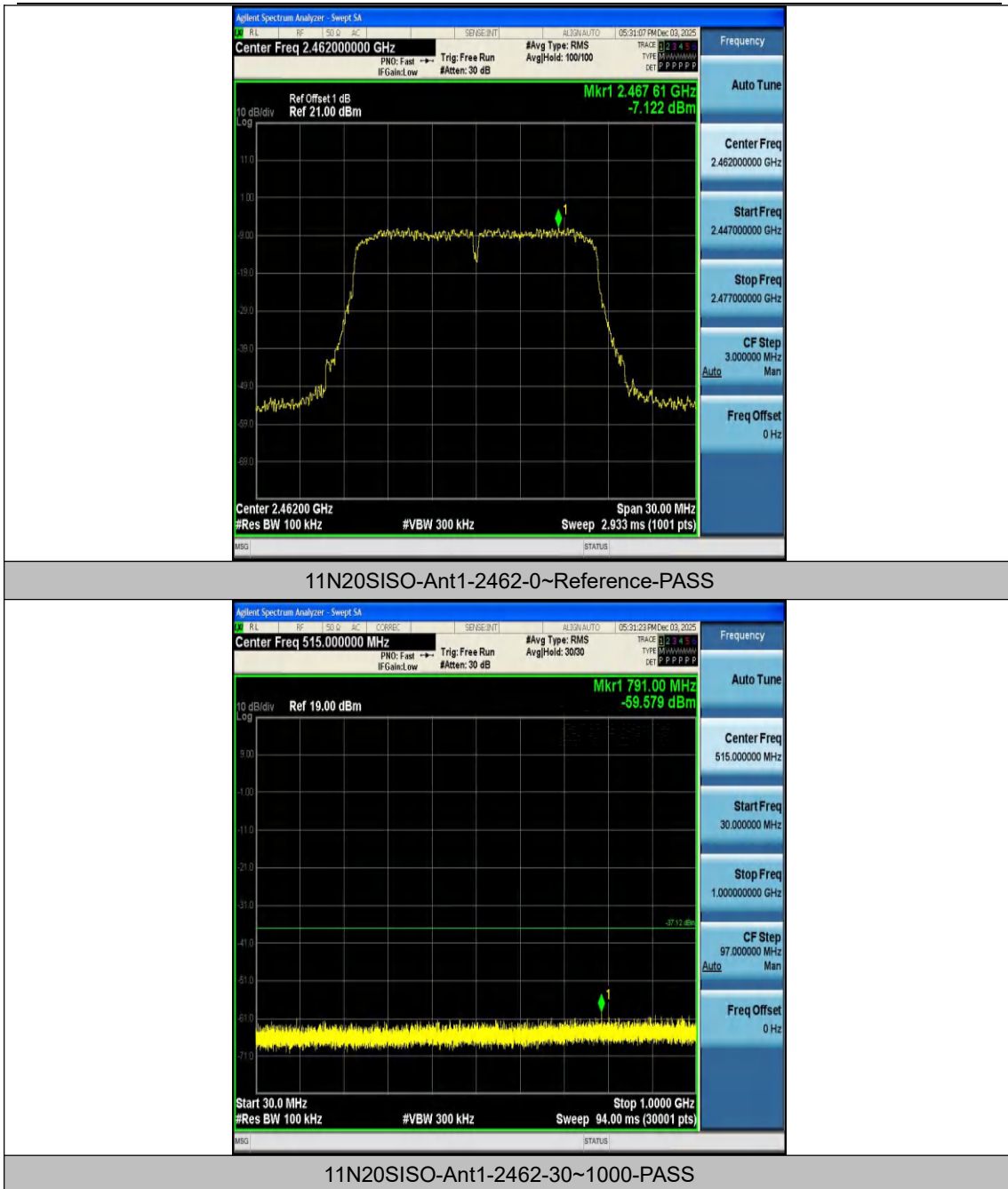




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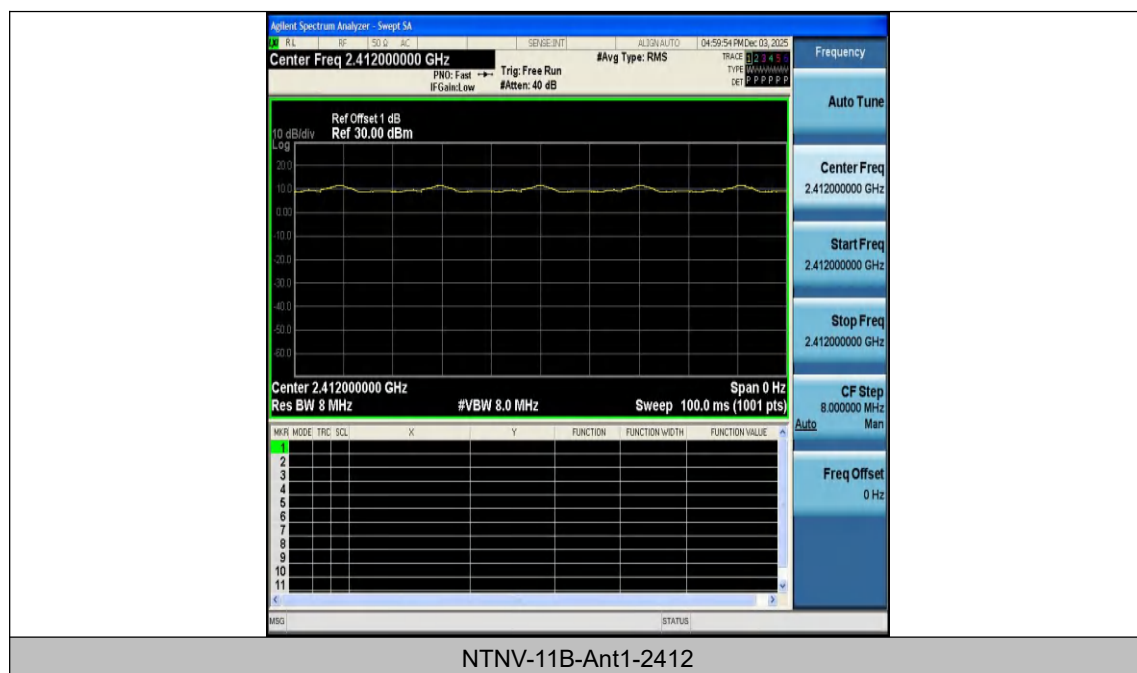
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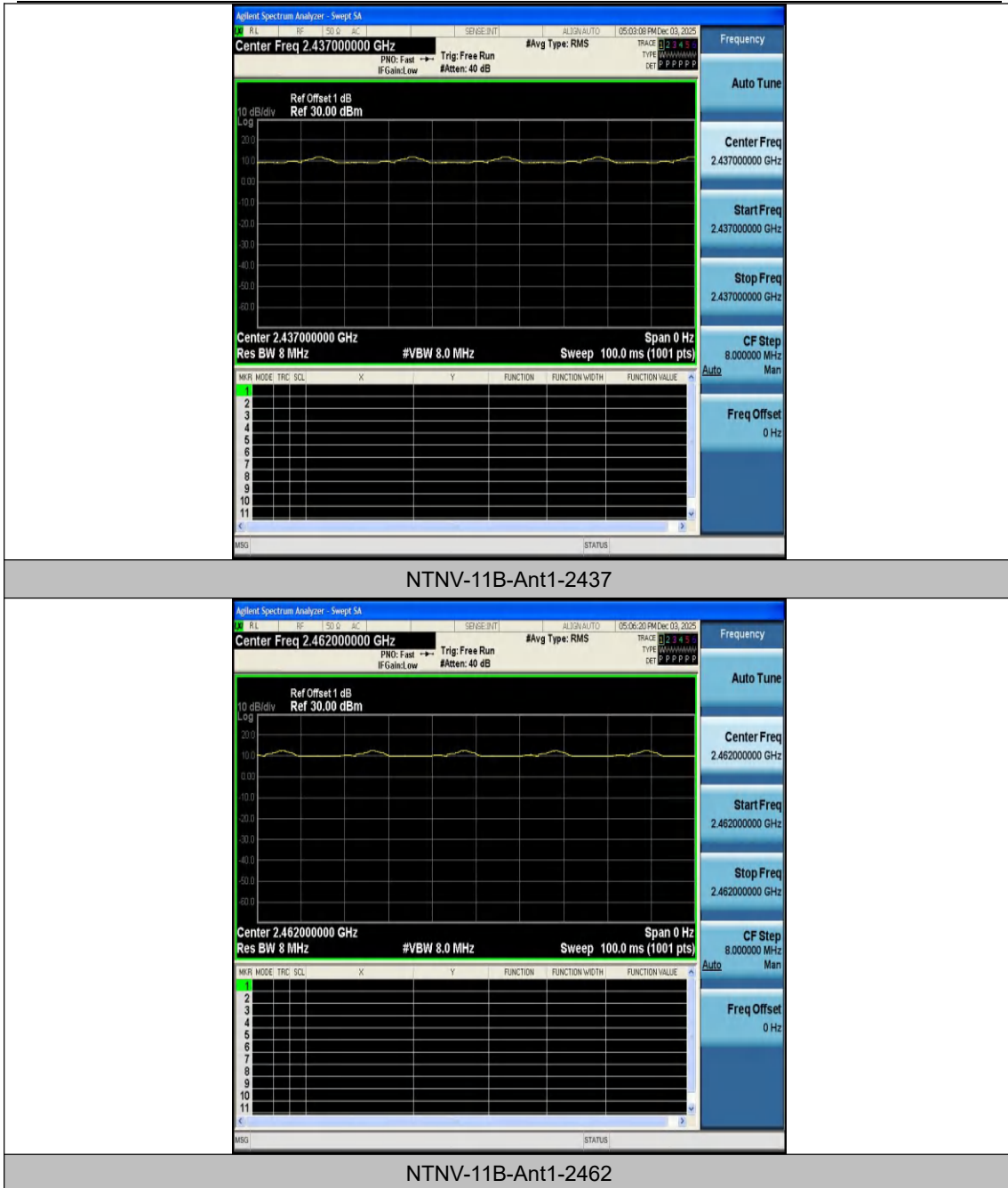
Appendix G: Duty Cycle

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

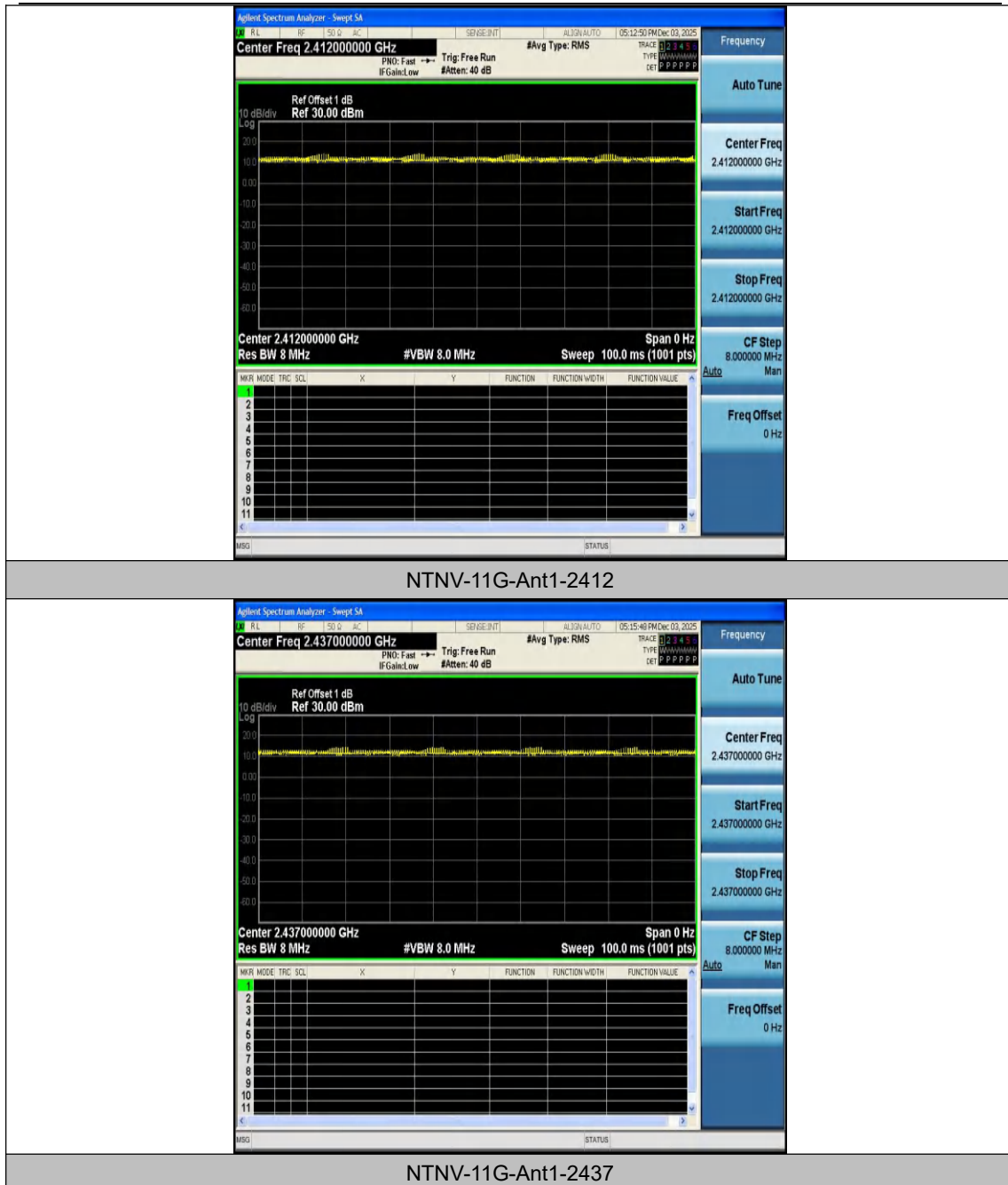




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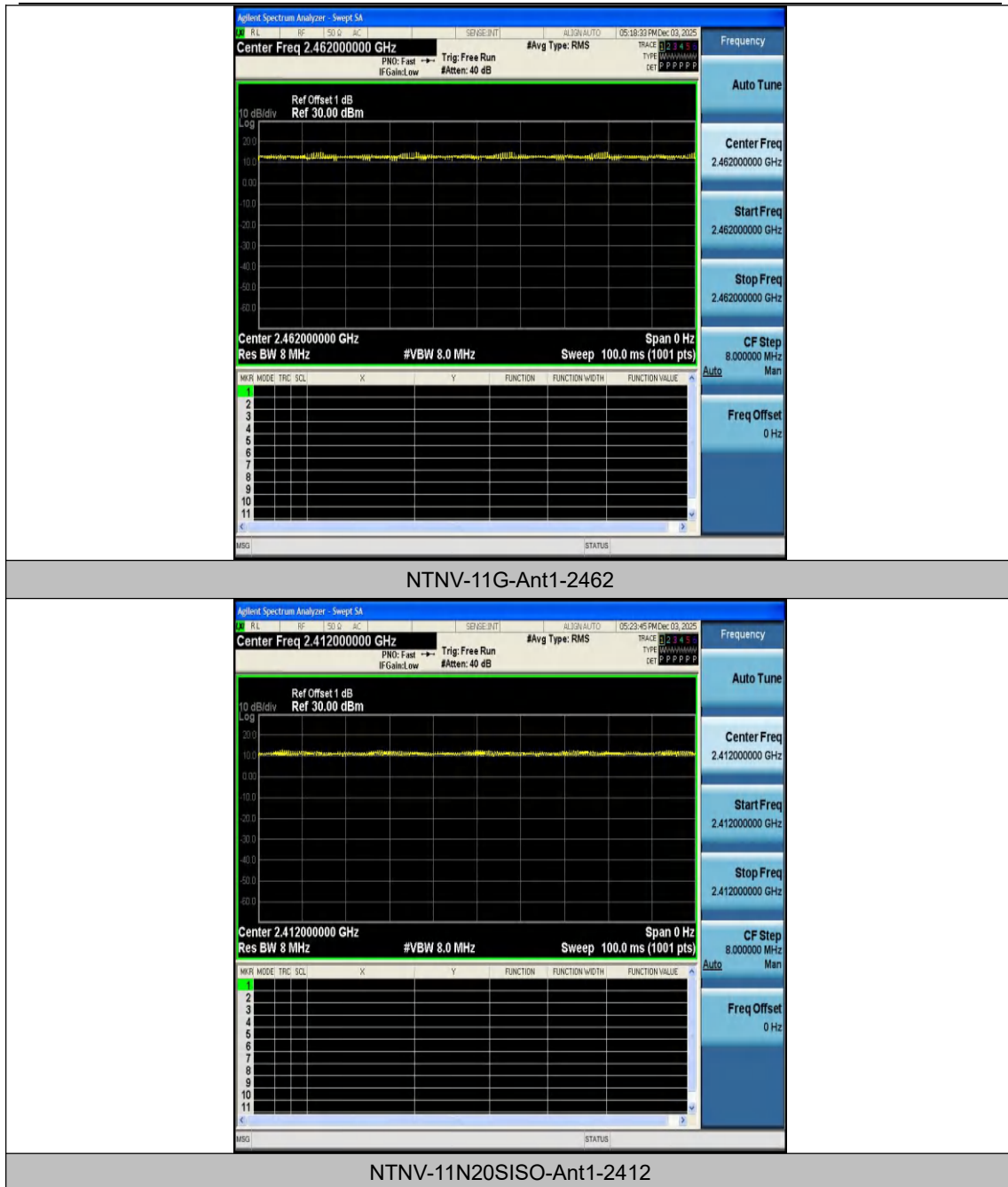
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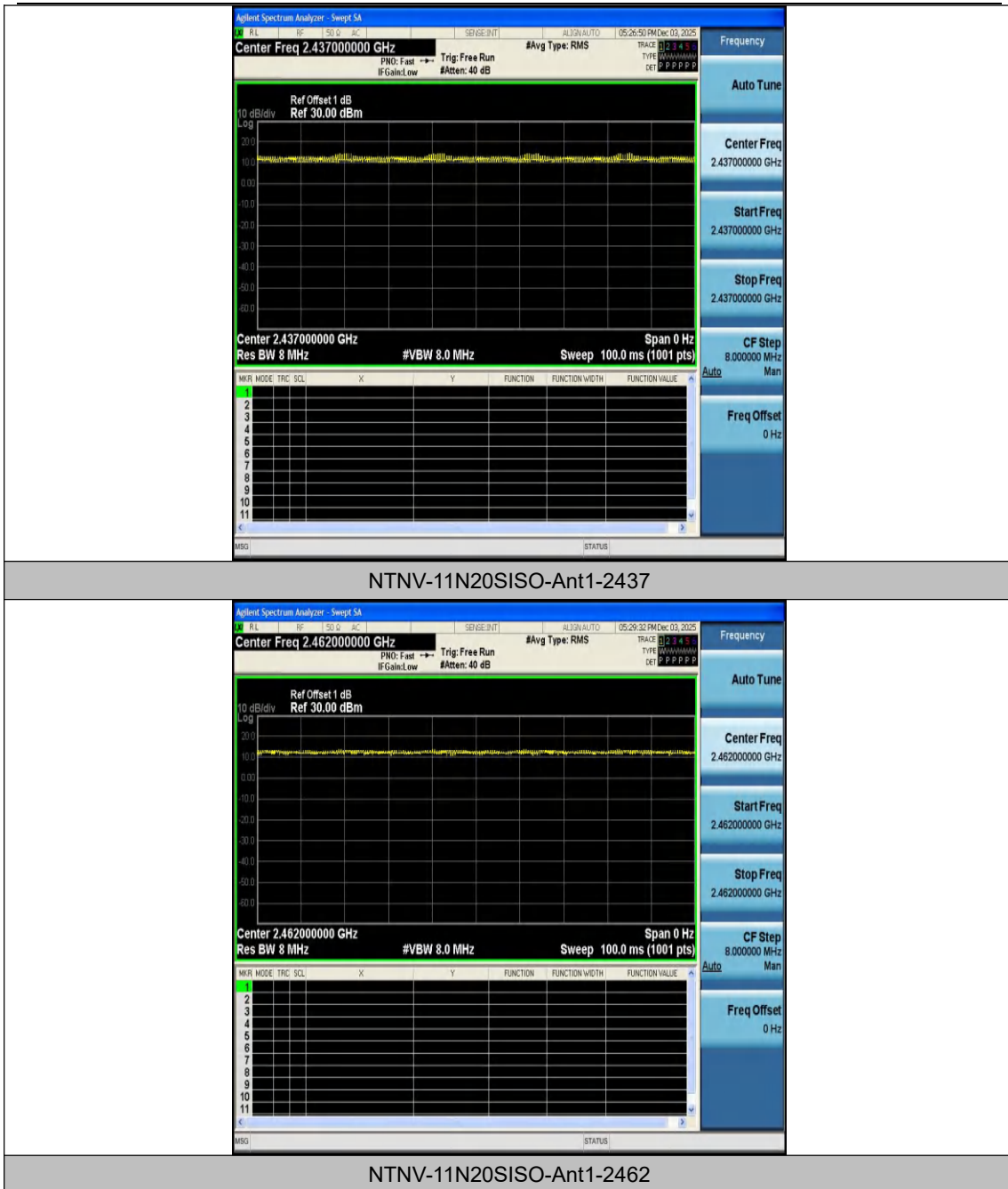
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