

Appendix Test Data

Report No.:	1812C50621812502-01	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:	23.8°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	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	16.080	2404.080	2420.160	0.5	PASS
11G	Ant1	2437	16.200	2428.960	2445.160	0.5	PASS
11G	Ant1	2462	16.160	2454.000	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.400	2403.360	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.240	2428.480	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.120	2453.680	2470.800	0.5	PASS

Test Graphs

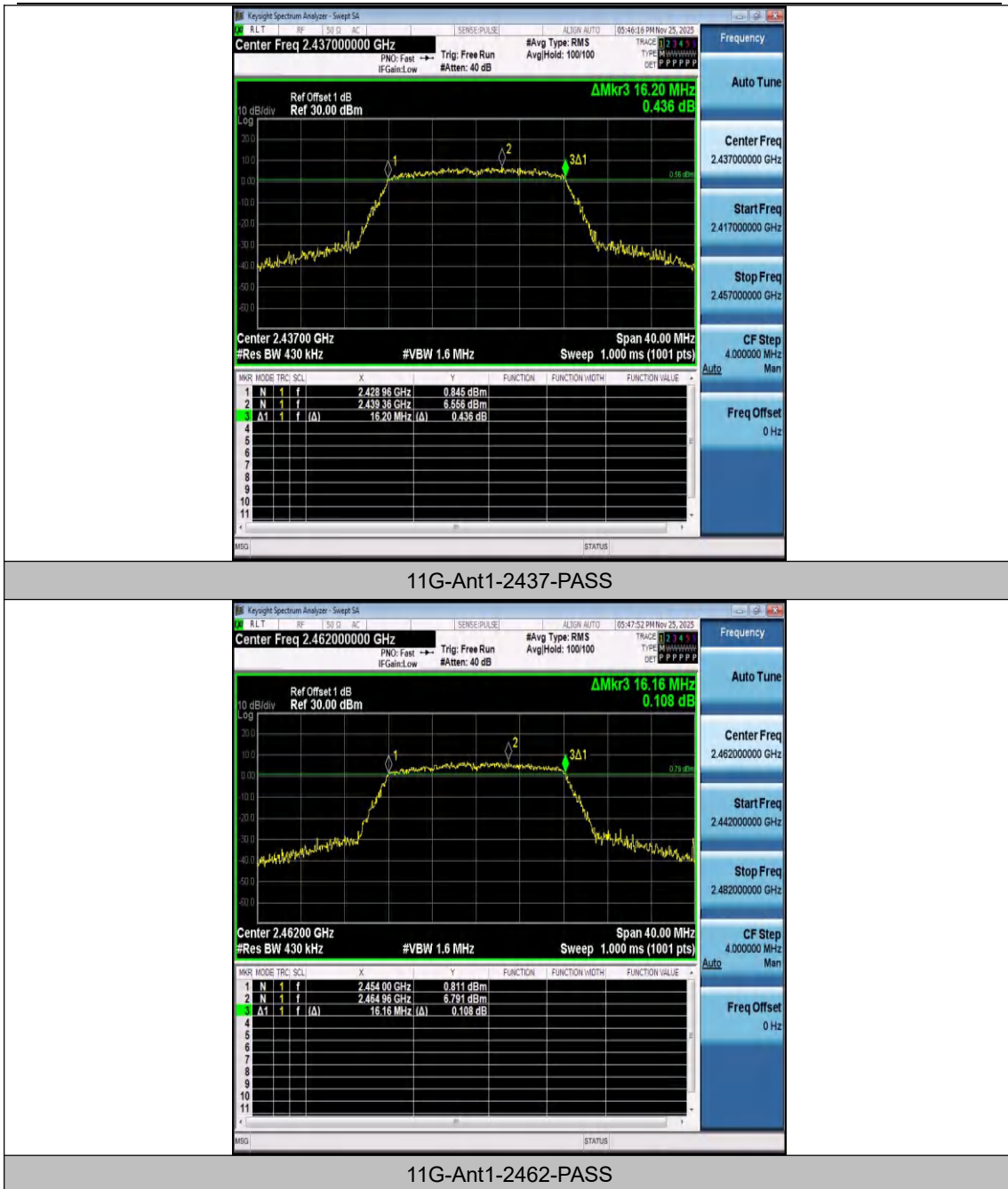


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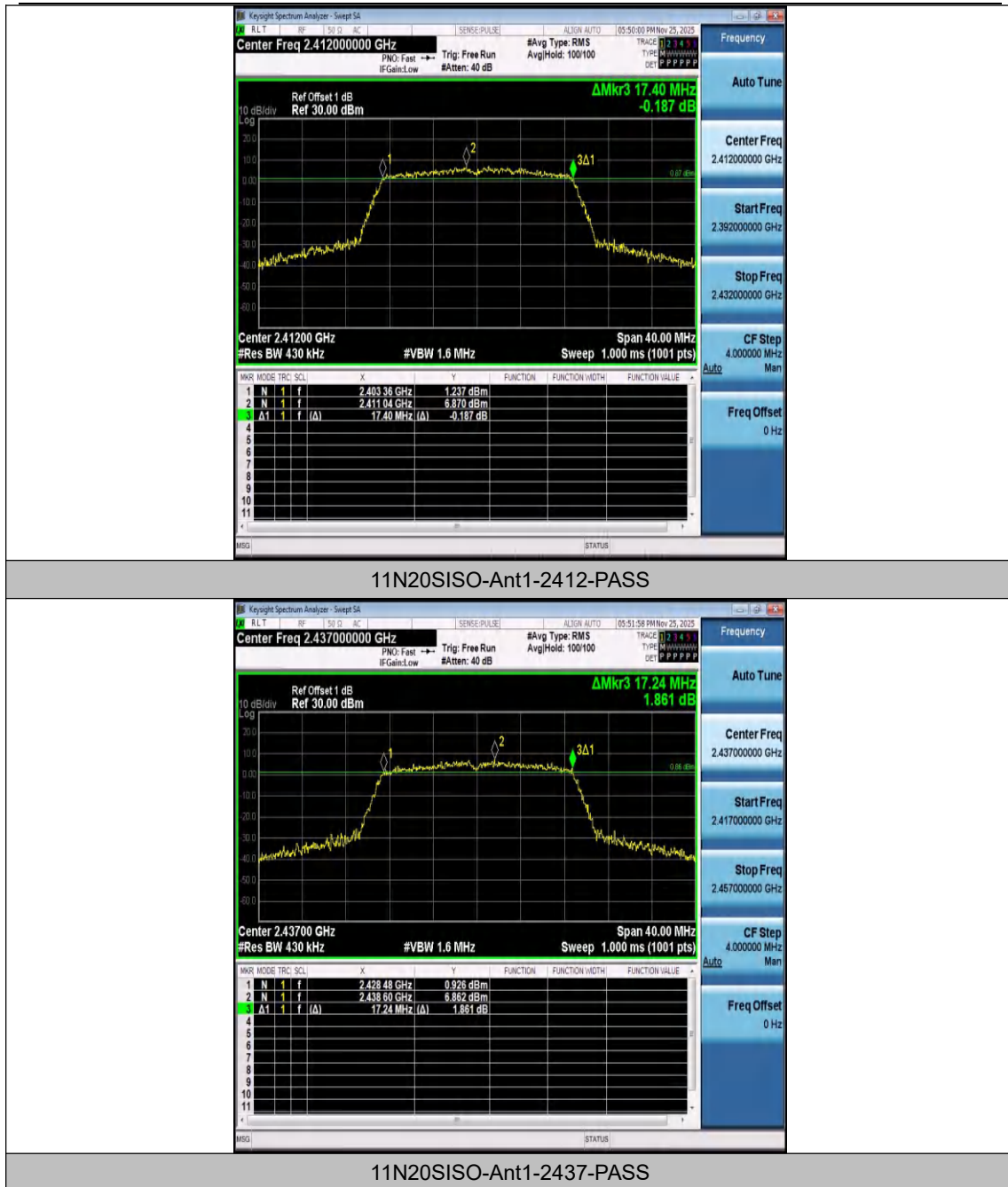




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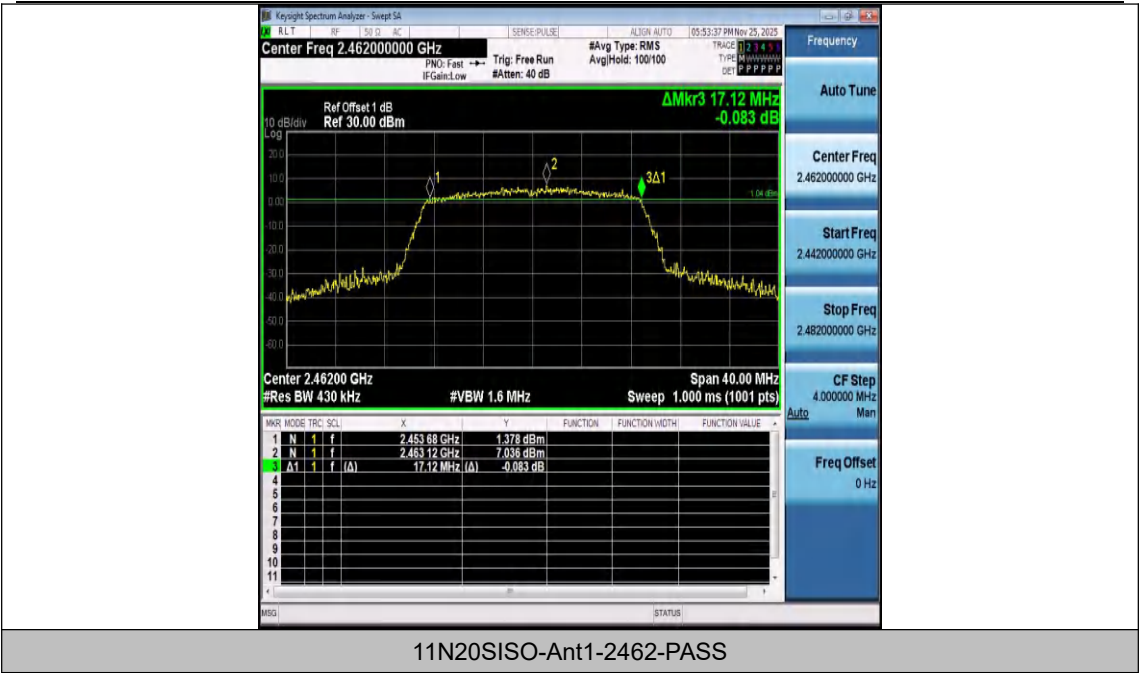
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11N20SISO-Ant1-2462-PASS

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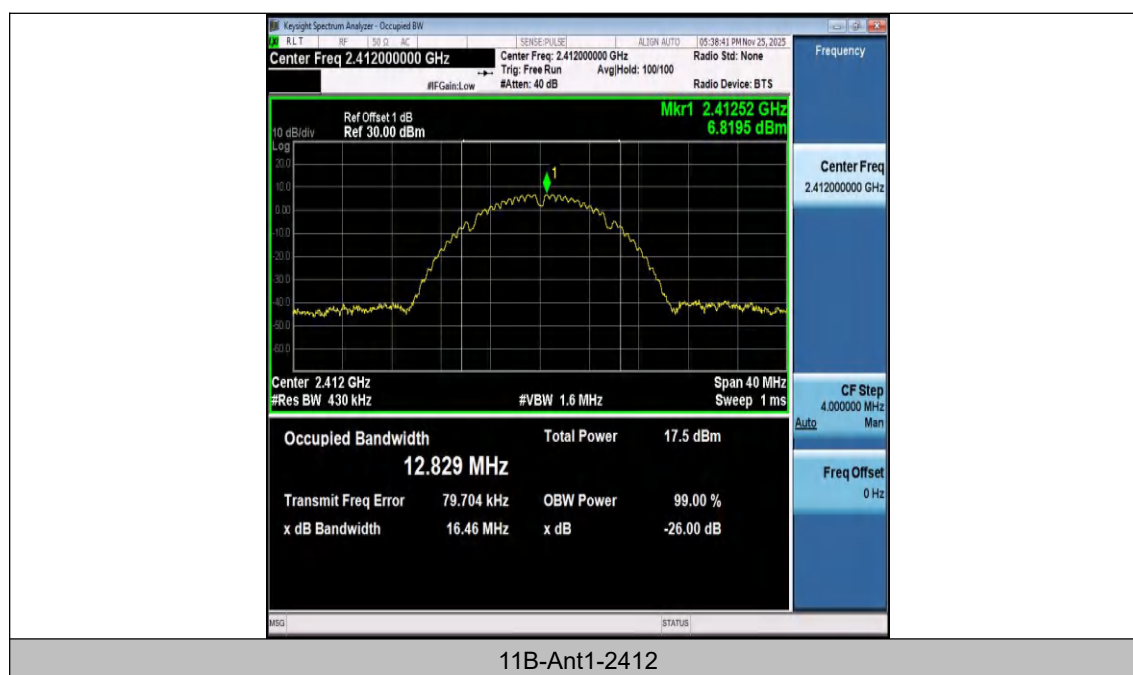
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.829	2405.6652	2418.4942	---	---
11B	Ant1	2437	12.784	2430.7084	2443.4924	---	---
11B	Ant1	2462	12.734	2455.7532	2468.4872	---	---
11G	Ant1	2412	16.779	2403.6785	2420.4575	---	---
11G	Ant1	2437	16.833	2428.6819	2445.5149	---	---
11G	Ant1	2462	16.849	2453.6955	2470.5445	---	---
11N20SISO	Ant1	2412	17.800	2403.1619	2420.9619	---	---
11N20SISO	Ant1	2437	17.834	2428.1542	2445.9882	---	---
11N20SISO	Ant1	2462	17.856	2453.1914	2471.0474	---	---

Test Graphs

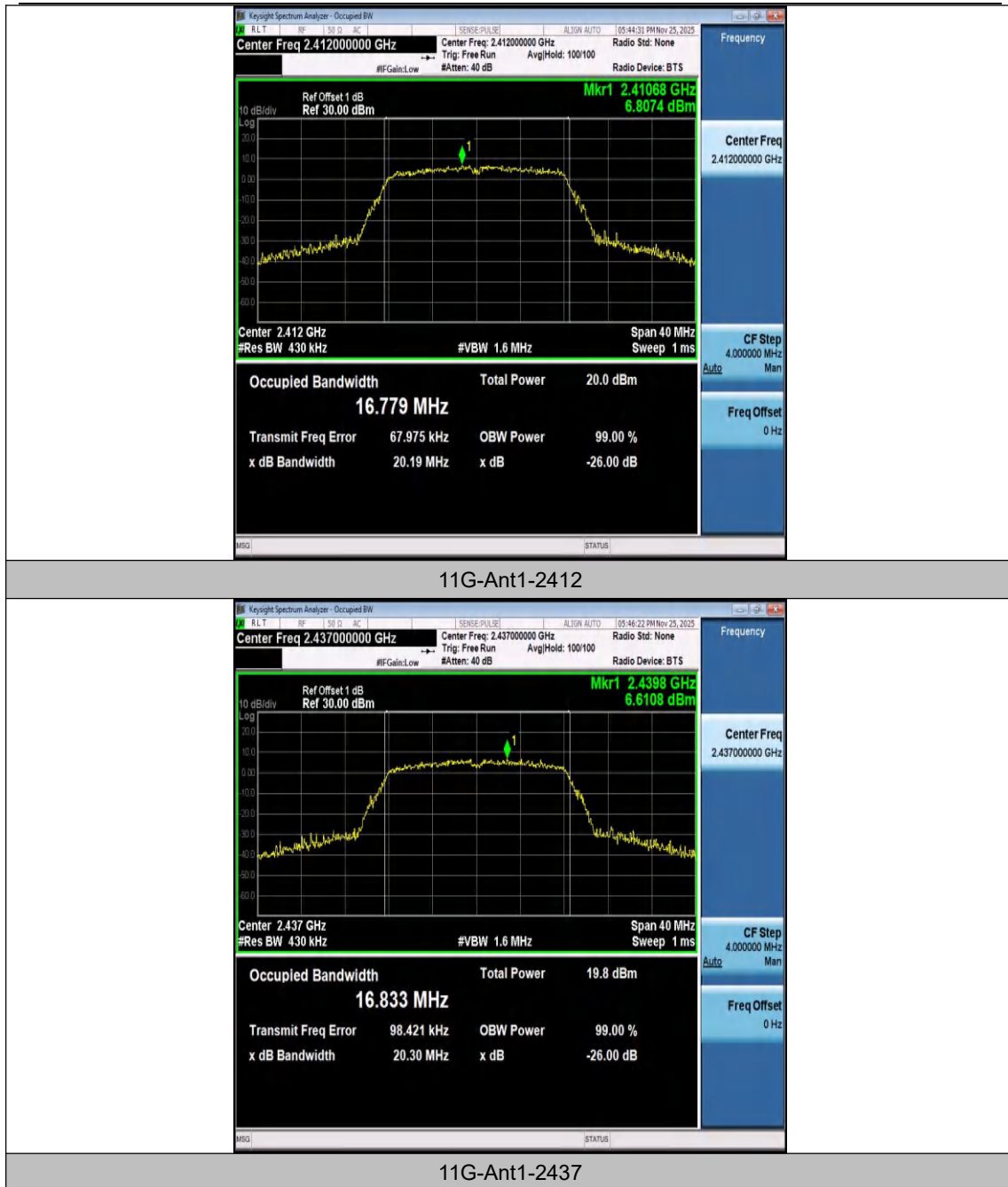




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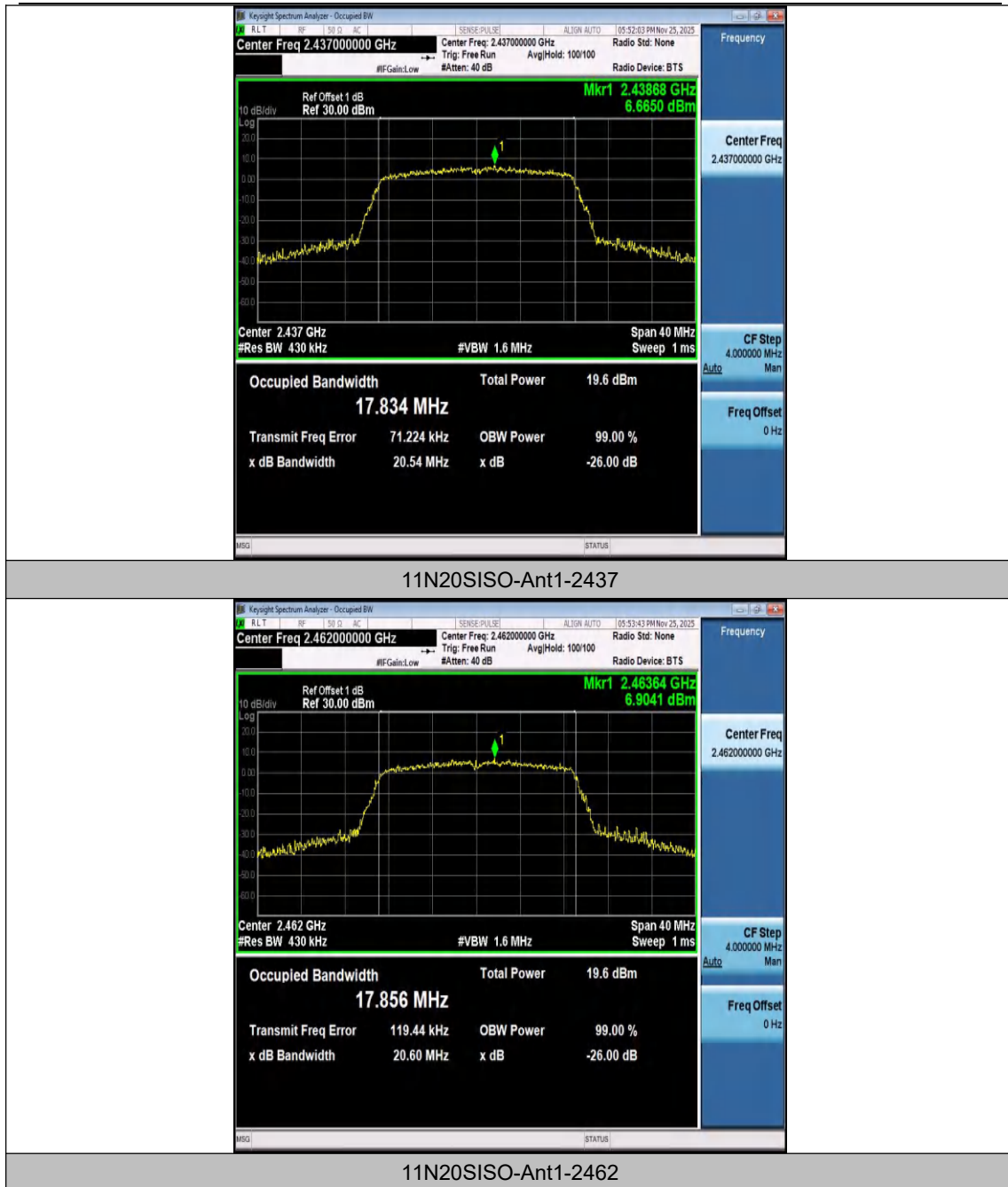
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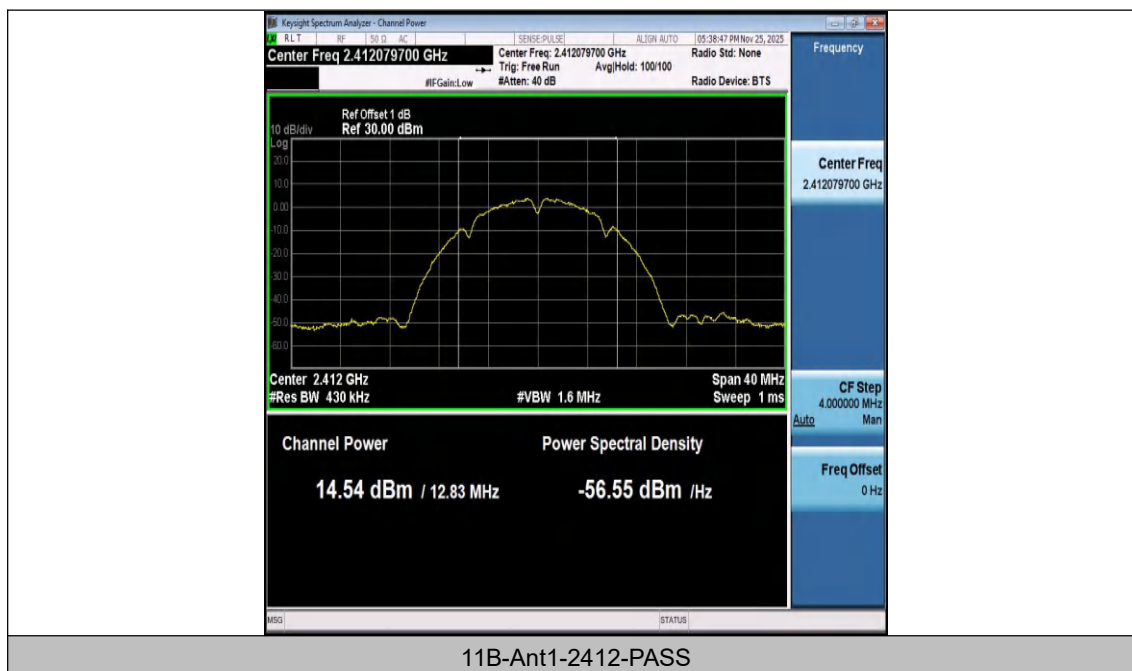
Appendix C: Maximum conducted output power

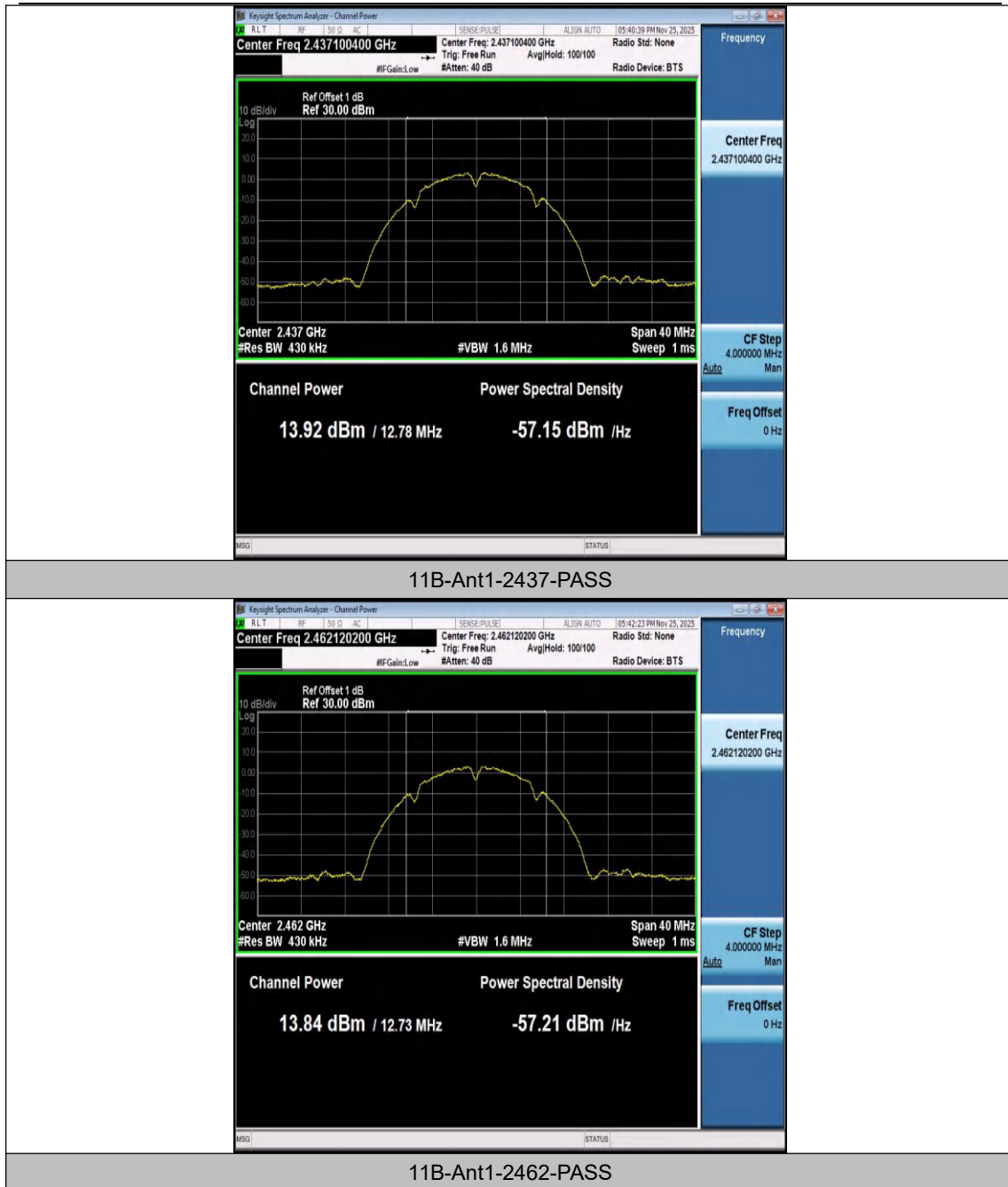
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.54	100.00	14.54	≤30.00	PASS
11B	Ant1	2437	13.92	100.00	13.92	≤30.00	PASS
11B	Ant1	2462	13.84	100.00	13.84	≤30.00	PASS
11G	Ant1	2412	13.87	100.00	13.87	≤30.00	PASS
11G	Ant1	2437	13.66	100.00	13.66	≤30.00	PASS
11G	Ant1	2462	13.53	100.00	13.53	≤30.00	PASS
11N20SISO	Ant1	2412	13.76	100.00	13.76	≤30.00	PASS
11N20SISO	Ant1	2437	13.51	100.00	13.51	≤30.00	PASS
11N20SISO	Ant1	2462	13.39	100.00	13.39	≤30.00	PASS

Note: The cable loss are compensated in the graph.

Test Graphs Average

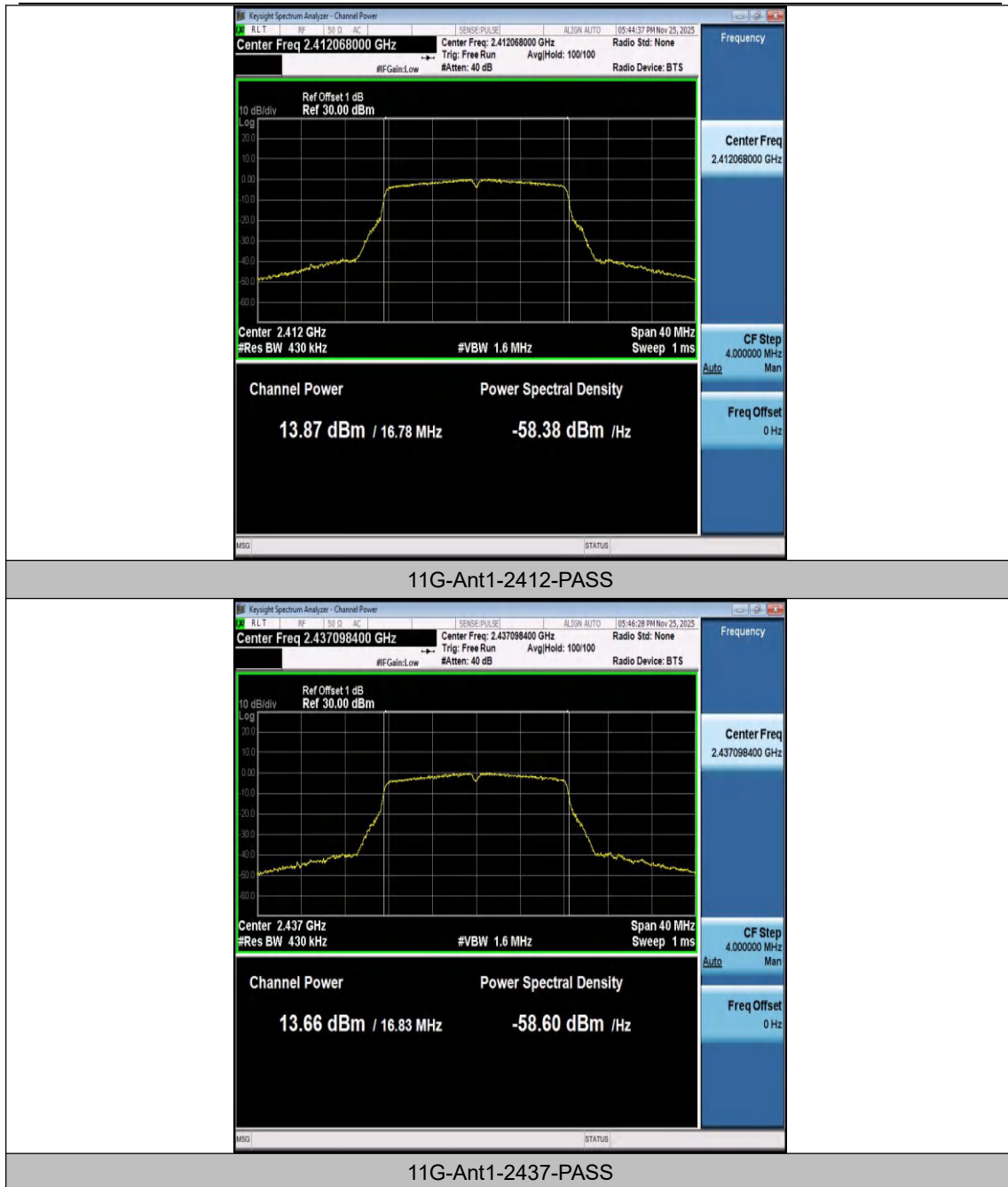




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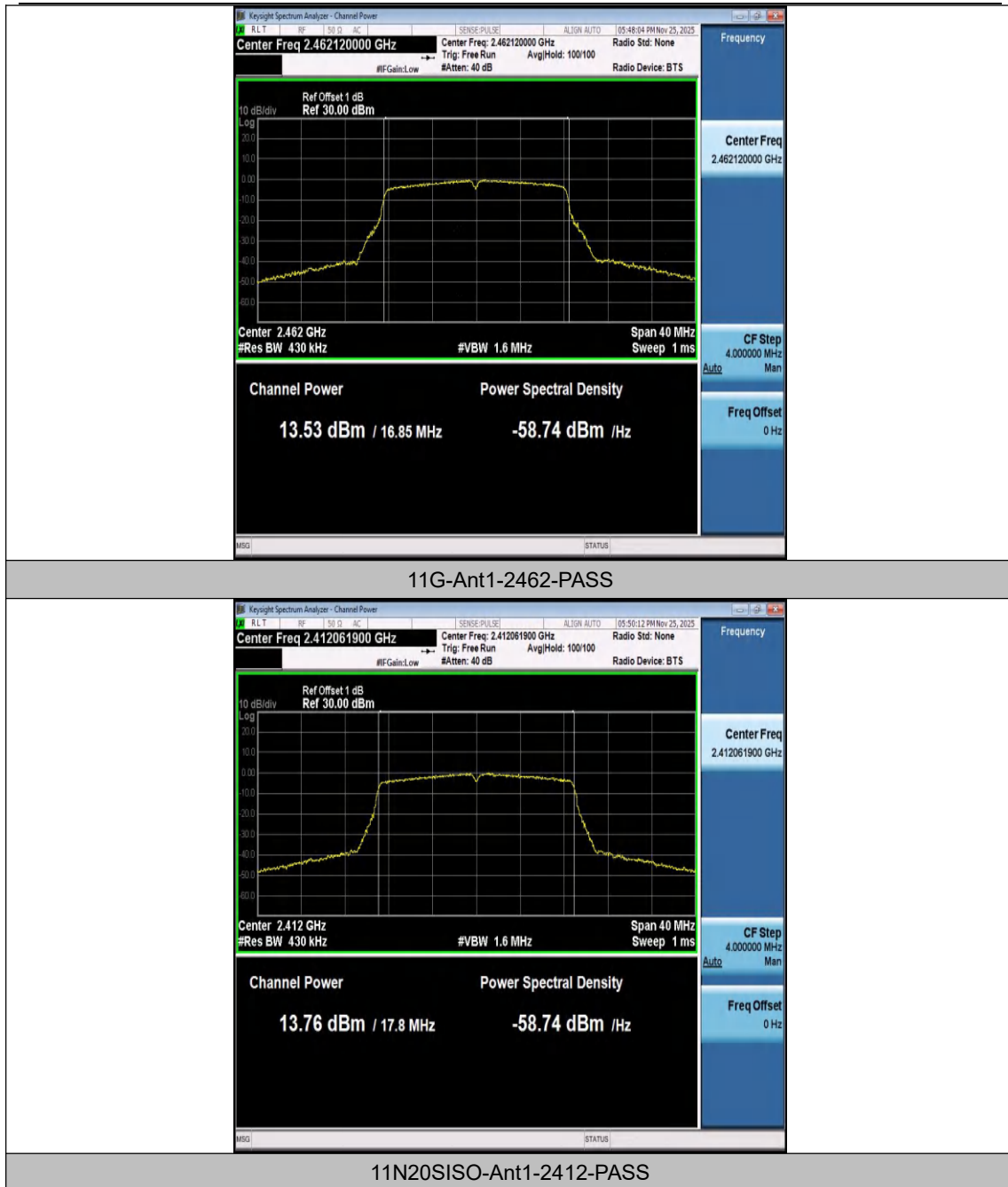
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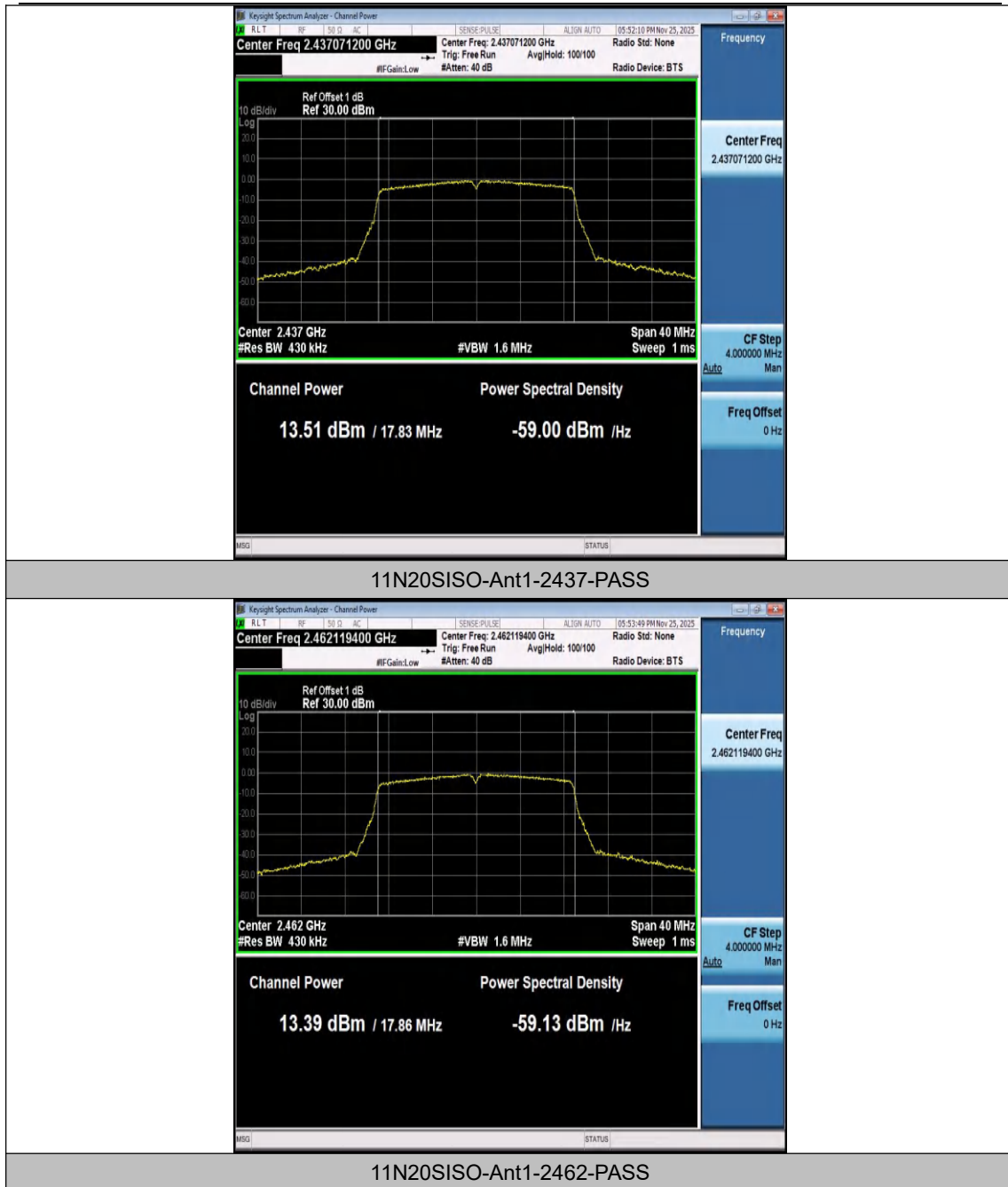
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Appendix D: Maximum power spectral density

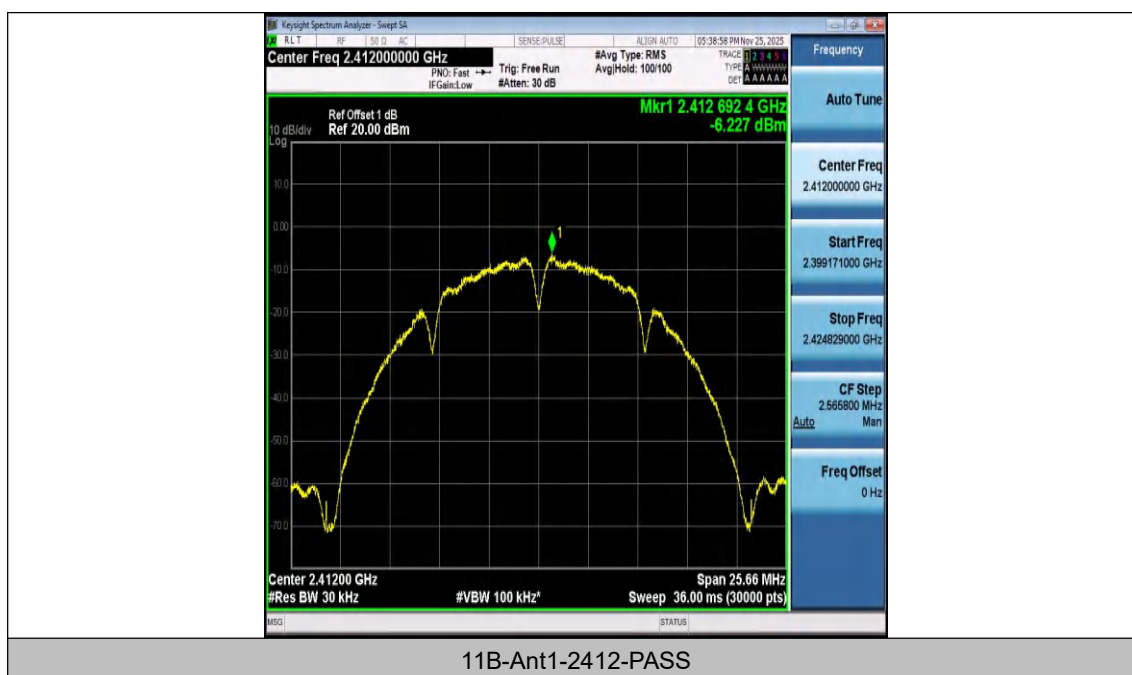
Test Result

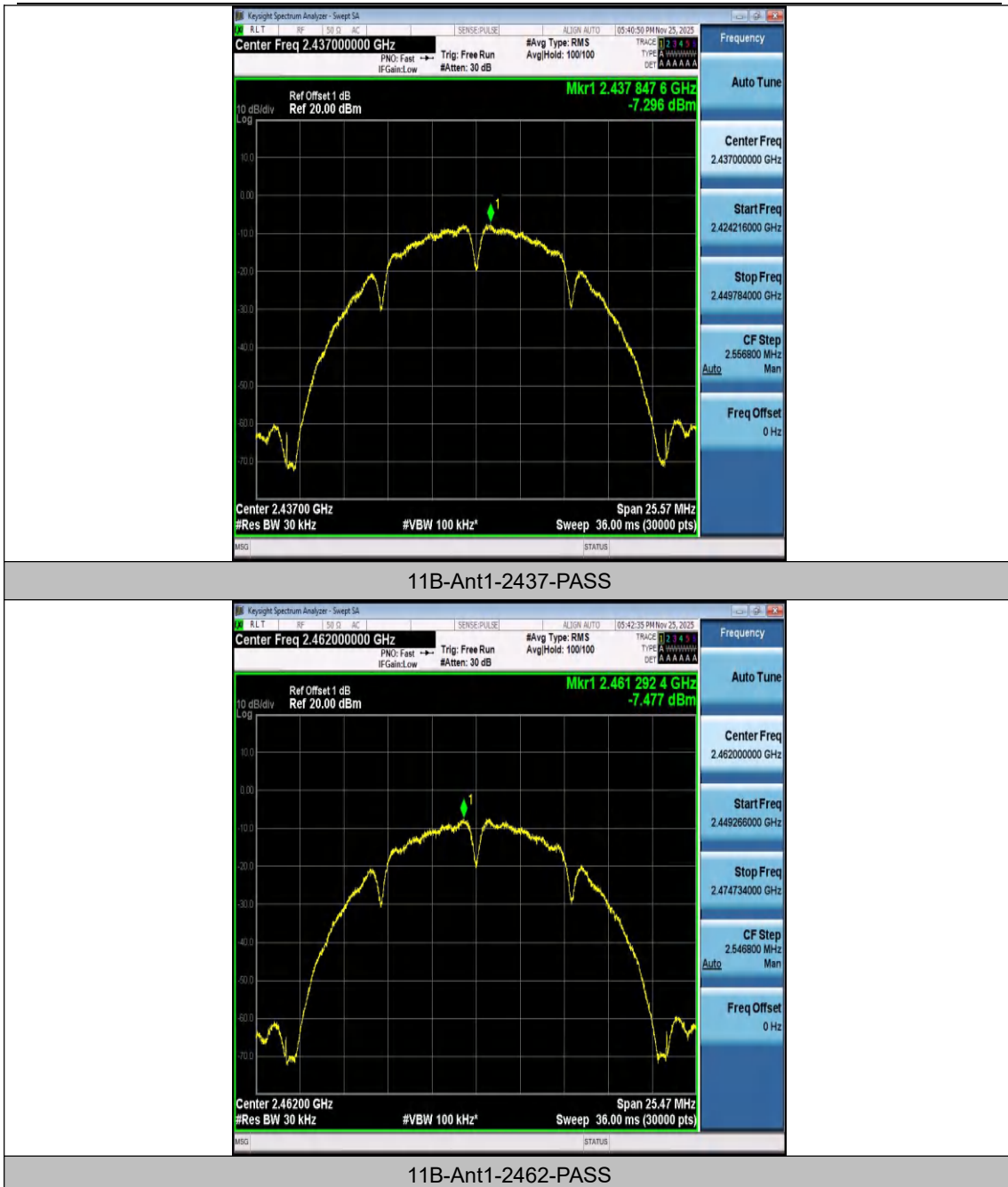
Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.23	≤8.00	PASS
11B	Ant1	2437	-7.30	≤8.00	PASS
11B	Ant1	2462	-7.48	≤8.00	PASS
11G	Ant1	2412	-9.74	≤8.00	PASS
11G	Ant1	2437	-9.79	≤8.00	PASS
11G	Ant1	2462	-9.94	≤8.00	PASS
11N20SISO	Ant1	2412	-10.22	≤8.00	PASS
11N20SISO	Ant1	2437	-10.17	≤8.00	PASS
11N20SISO	Ant1	2462	-9.92	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.

Test Graphs

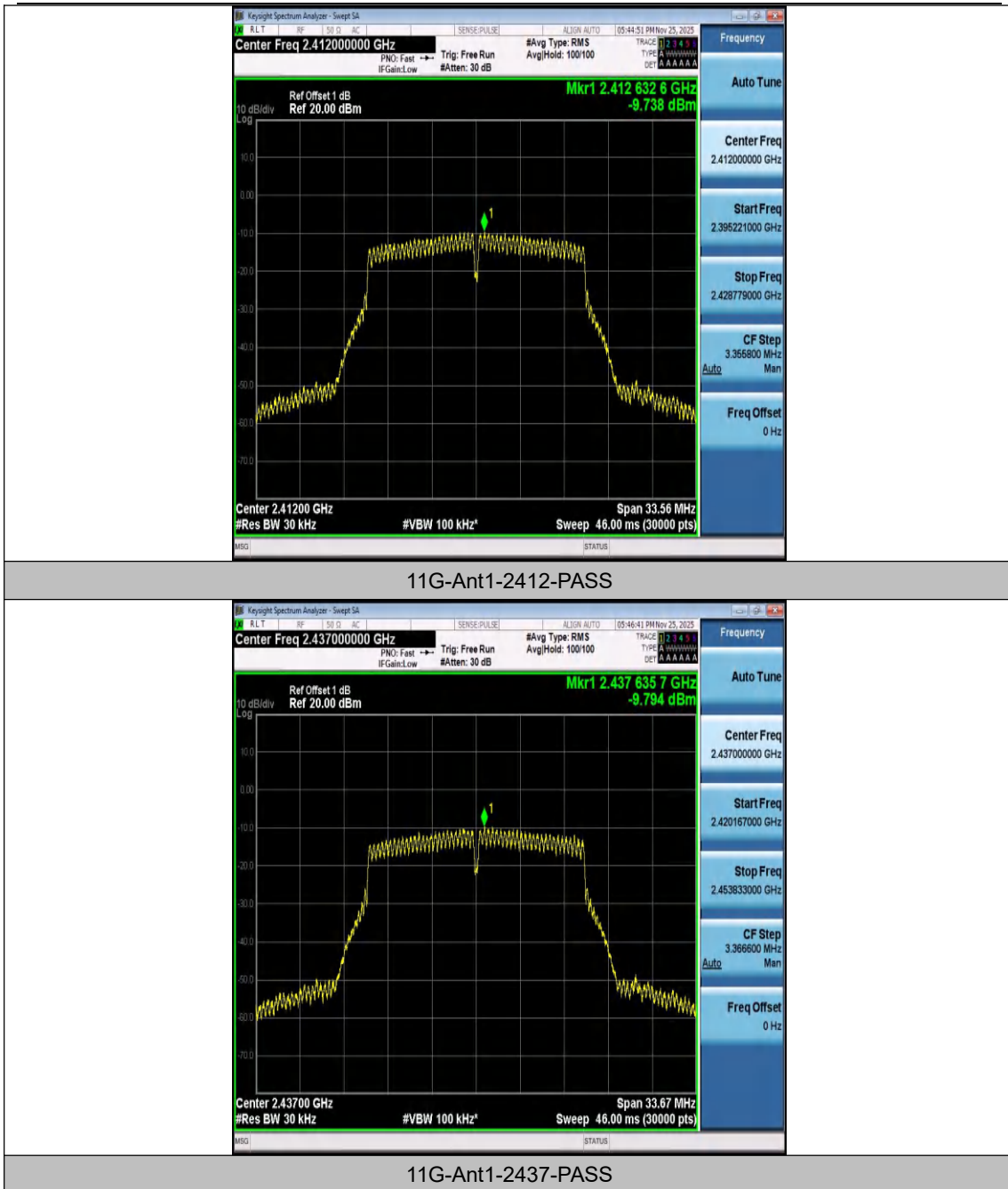




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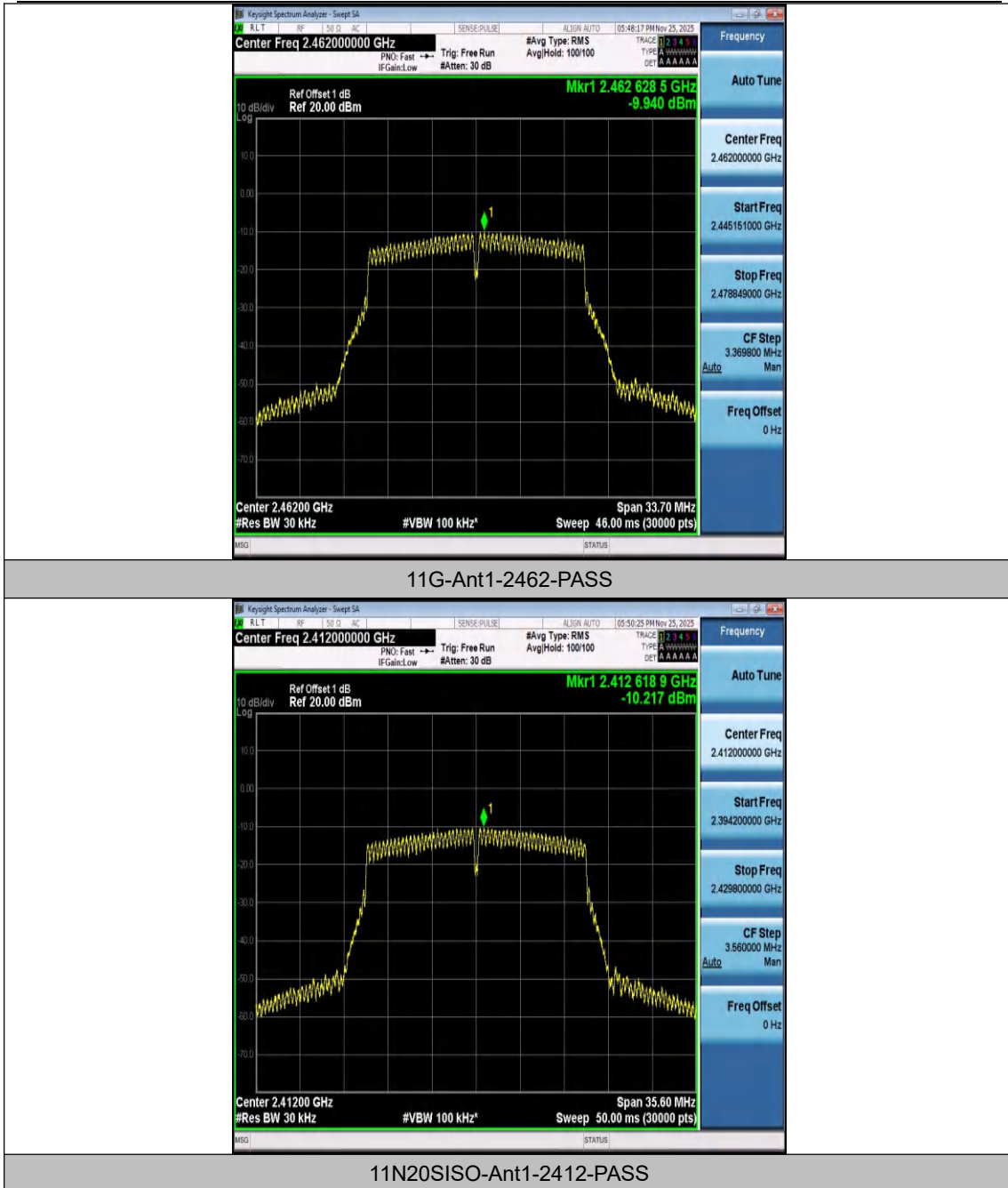
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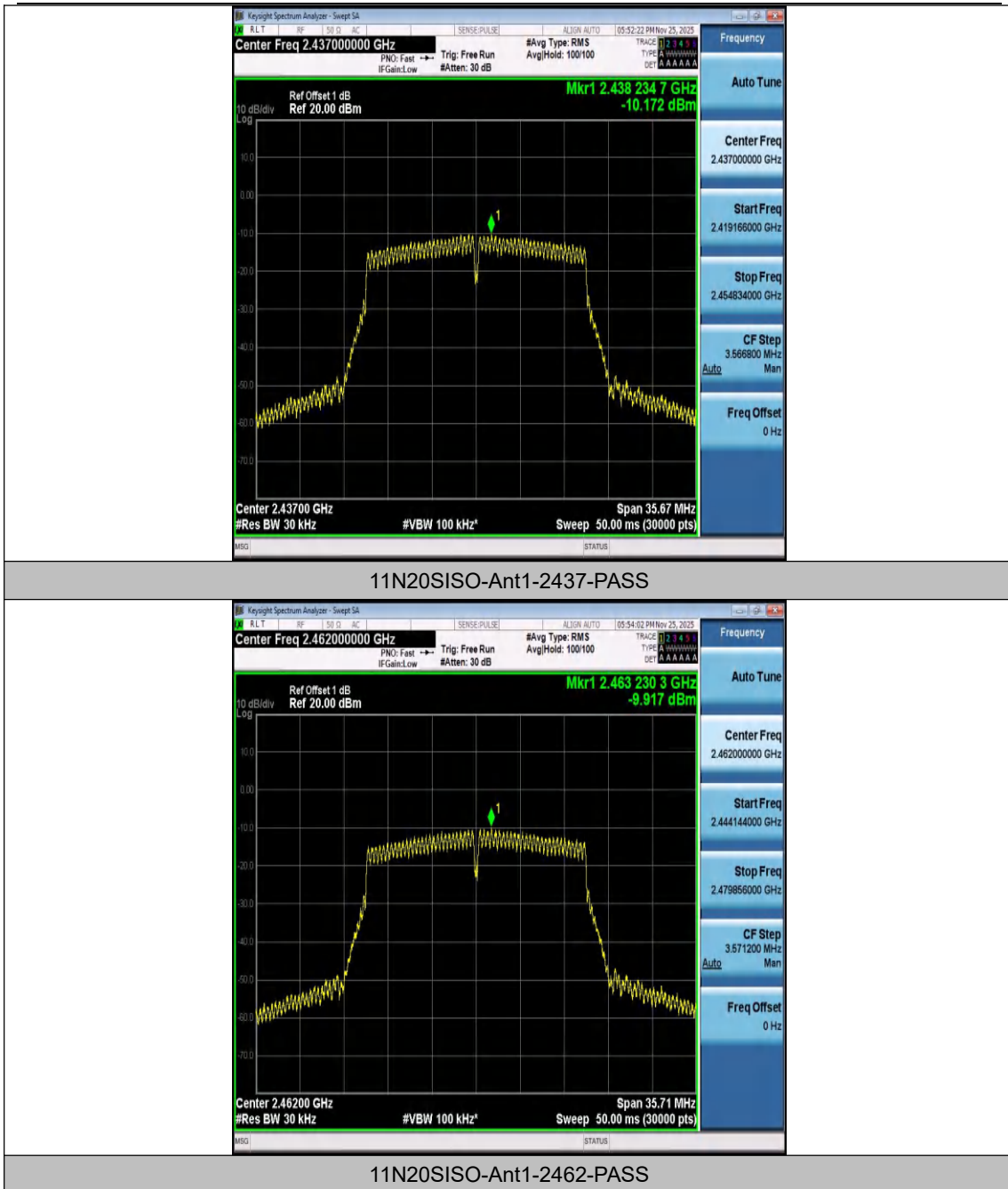
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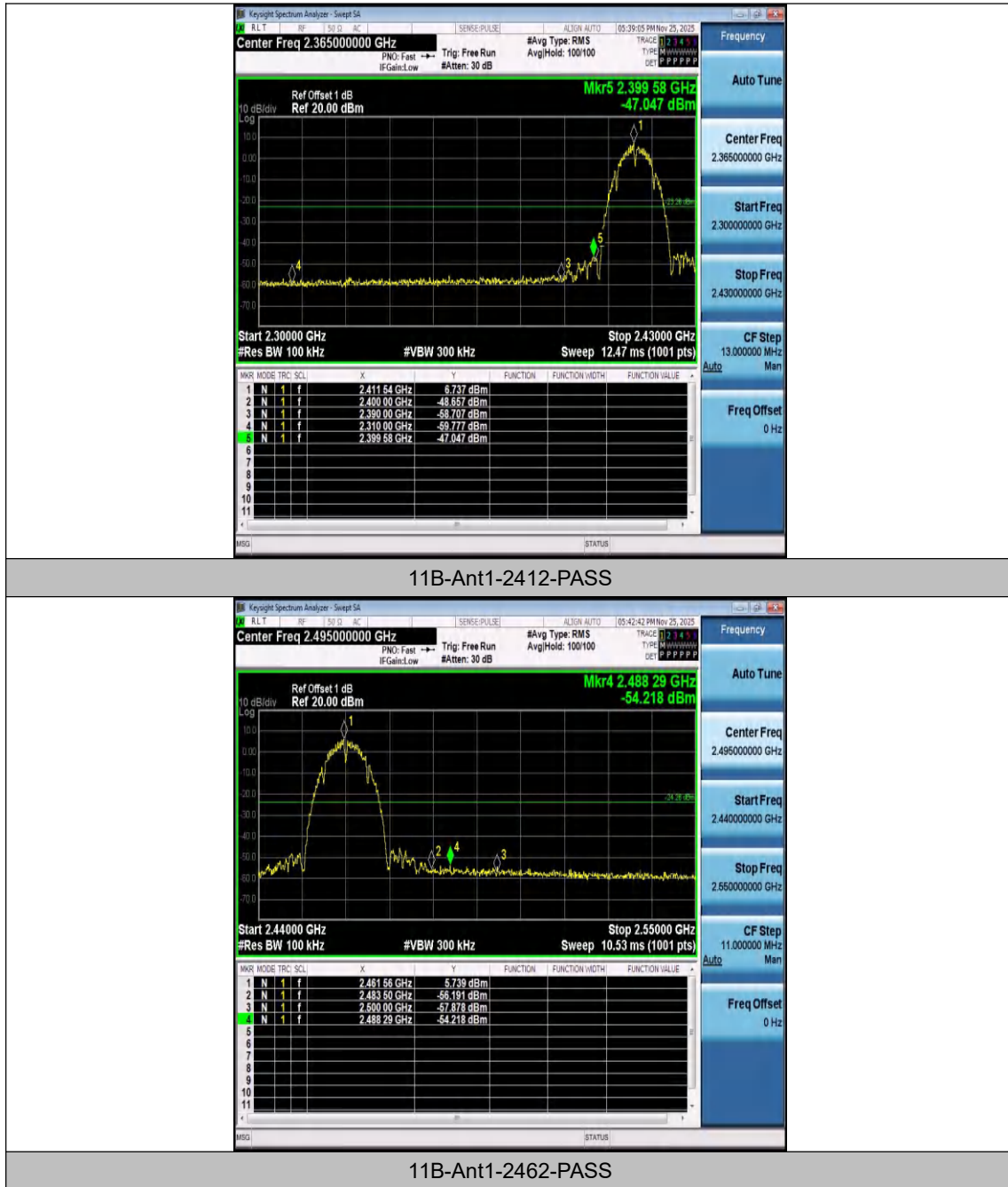
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.74	-47.05	≤-23.26	PASS
11B	Ant1	High	2462	5.74	-54.22	≤-24.26	PASS
11G	Ant1	Low	2412	0.23	-36.05	≤-29.77	PASS
11G	Ant1	High	2462	-0.08	-47.22	≤-30.08	PASS
11N20SISO	Ant1	Low	2412	0.29	-35.16	≤-29.71	PASS
11N20SISO	Ant1	High	2462	0.05	-46.34	≤-29.95	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.

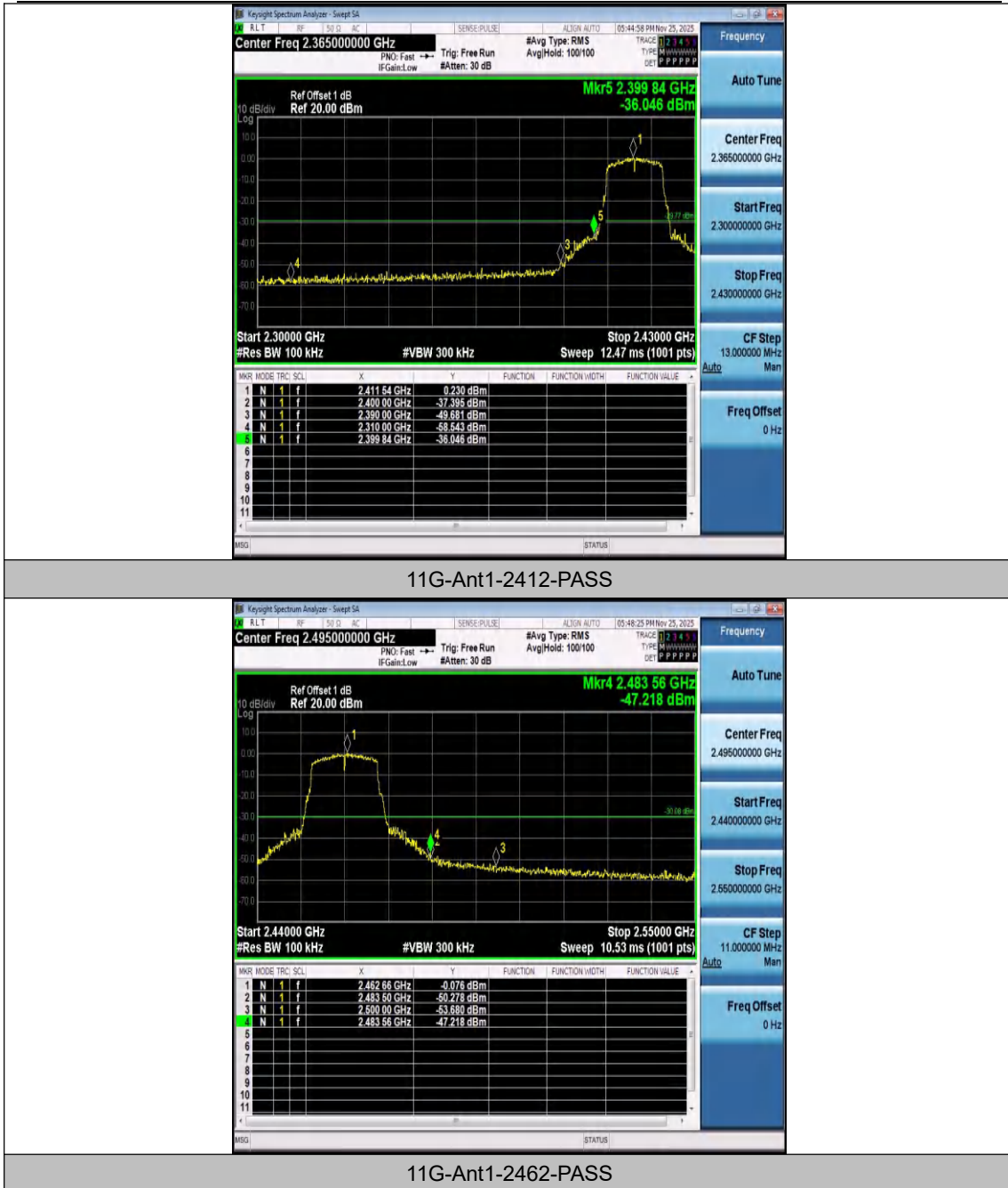
Test Graphs

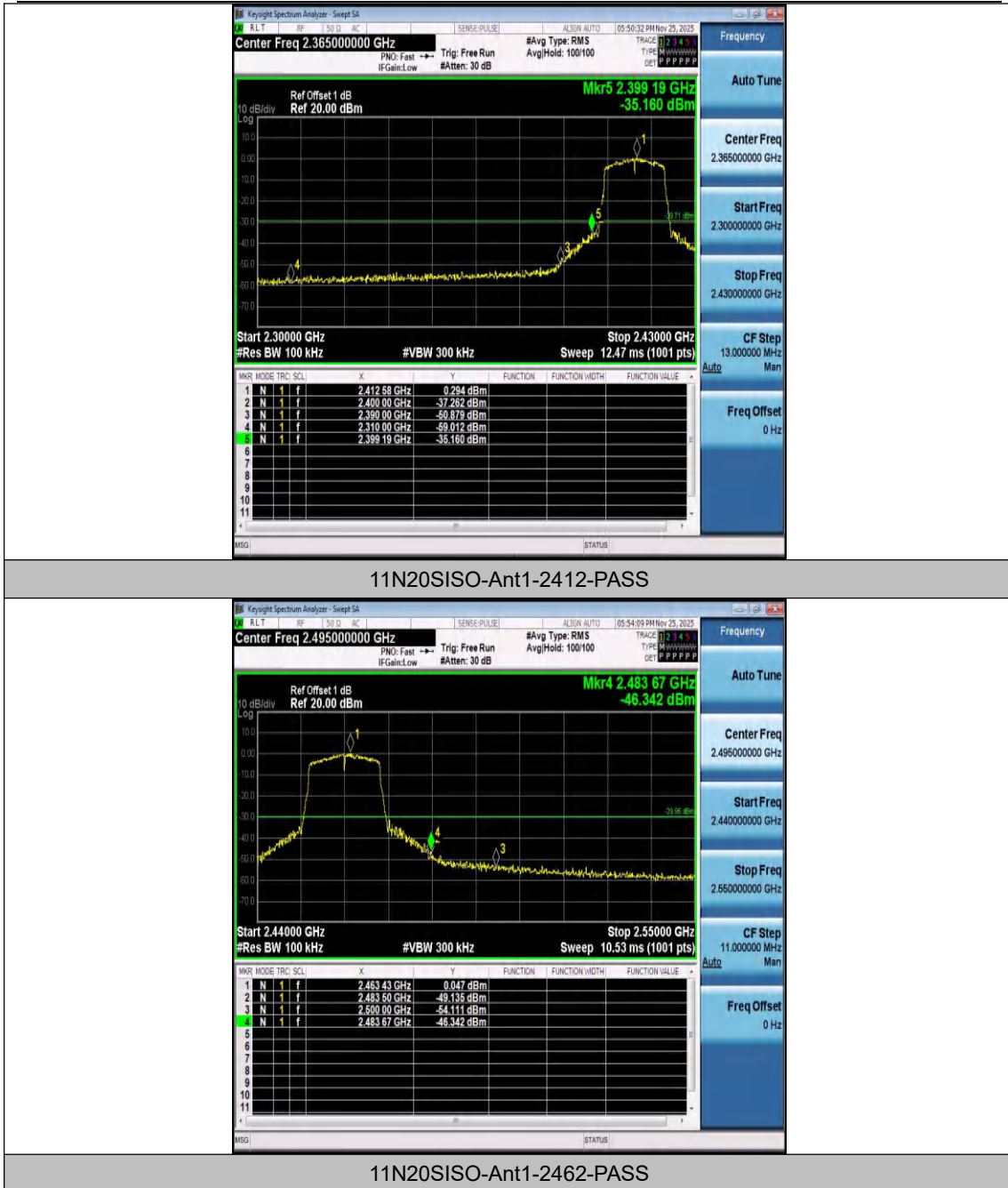


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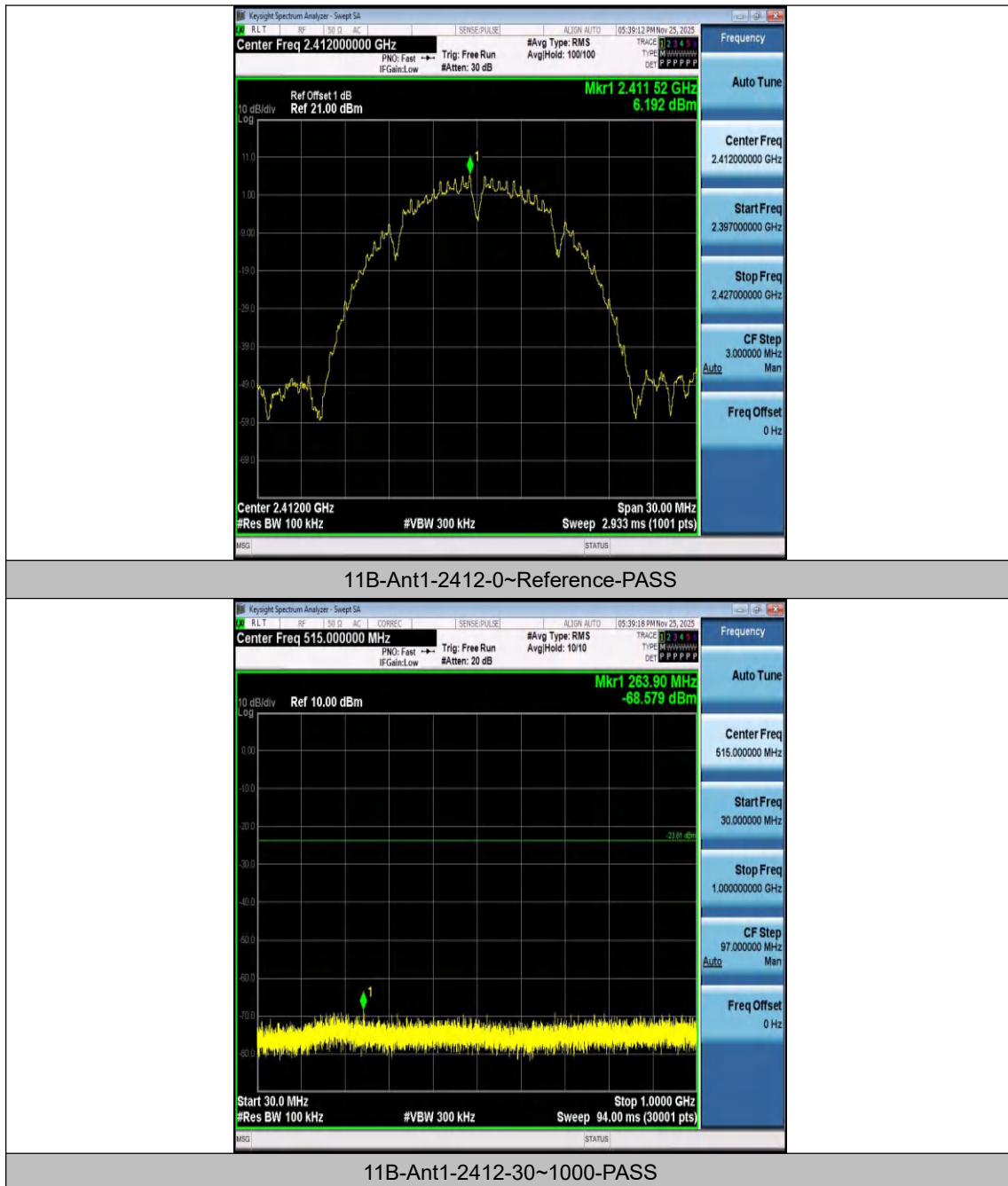
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.19	6.19	---	PASS
11B	Ant1	2412	30~1000	6.19	-68.58	≤-23.81	PASS
11B	Ant1	2412	1000~26500	6.19	-46.12	≤-23.81	PASS
11B	Ant1	2437	0~Reference	5.33	5.33	---	PASS
11B	Ant1	2437	30~1000	5.33	-68.86	≤-24.67	PASS
11B	Ant1	2437	1000~26500	5.33	-48.18	≤-24.67	PASS
11B	Ant1	2462	0~Reference	5.57	5.57	---	PASS
11B	Ant1	2462	30~1000	5.57	-68.81	≤-24.43	PASS
11B	Ant1	2462	1000~26500	5.57	-51.2	≤-24.43	PASS
11G	Ant1	2412	0~Reference	0.62	0.62	---	PASS
11G	Ant1	2412	30~1000	0.62	-67.7	≤-29.38	PASS
11G	Ant1	2412	1000~26500	0.62	-53.5	≤-29.38	PASS
11G	Ant1	2437	0~Reference	0.83	0.83	---	PASS
11G	Ant1	2437	30~1000	0.83	-68.87	≤-29.17	PASS
11G	Ant1	2437	1000~26500	0.83	-52.96	≤-29.17	PASS
11G	Ant1	2462	0~Reference	0.09	0.09	---	PASS
11G	Ant1	2462	30~1000	0.09	-68.85	≤-29.91	PASS
11G	Ant1	2462	1000~26500	0.09	-53.75	≤-29.91	PASS
11N20SISO	Ant1	2412	0~Reference	0.39	0.39	---	PASS
11N20SISO	Ant1	2412	30~1000	0.39	-67.93	≤-29.61	PASS
11N20SISO	Ant1	2412	1000~26500	0.39	-53.06	≤-29.61	PASS
11N20SISO	Ant1	2437	0~Reference	-0.15	-0.15	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.15	-68.5	≤-30.15	PASS
11N20SISO	Ant1	2437	1000~26500	-0.15	-53.46	≤-30.15	PASS
11N20SISO	Ant1	2462	0~Reference	0.31	0.31	---	PASS
11N20SISO	Ant1	2462	30~1000	0.31	-67.75	≤-29.69	PASS
11N20SISO	Ant1	2462	1000~26500	0.31	-52.92	≤-29.69	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.

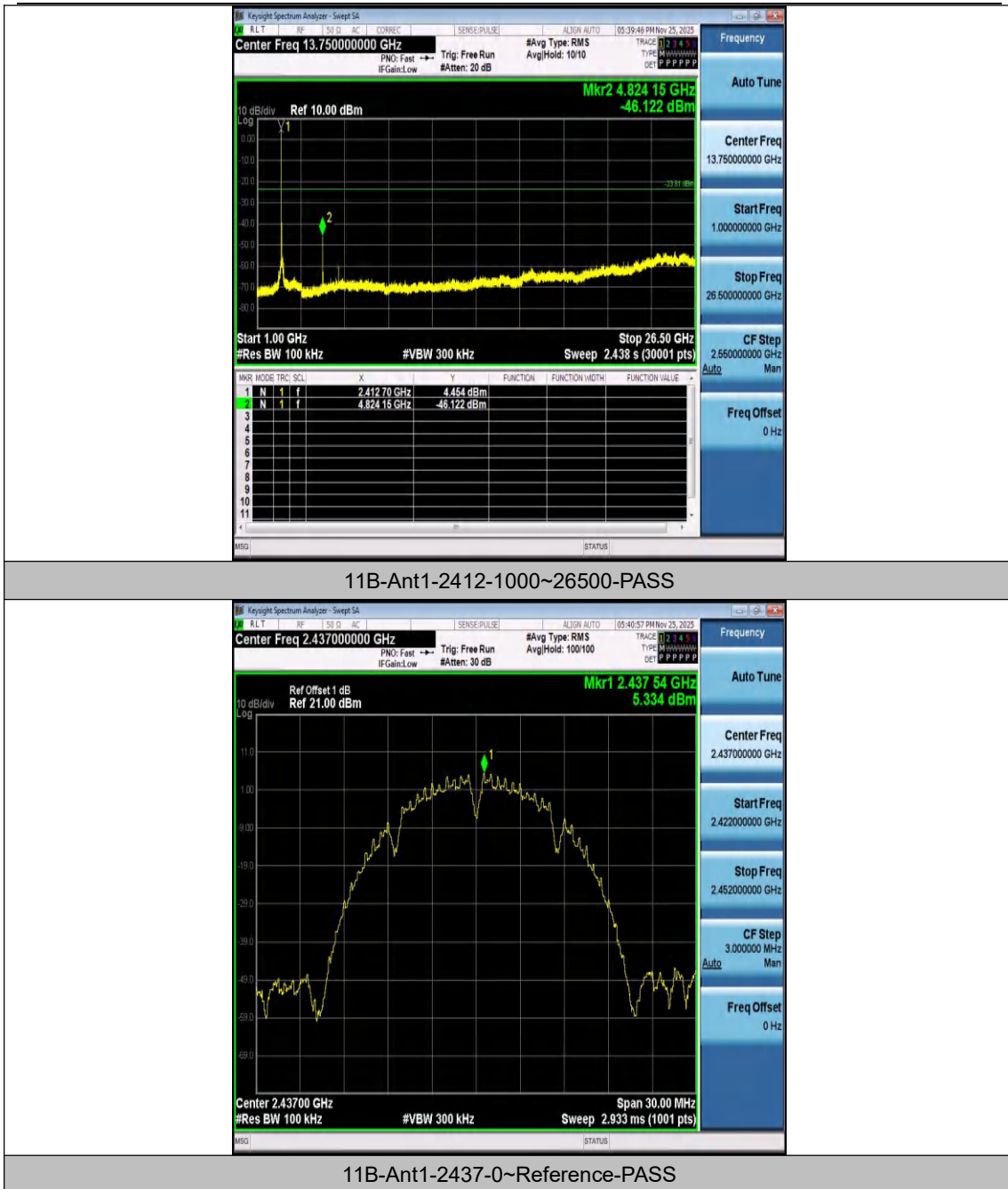
Test Graphs



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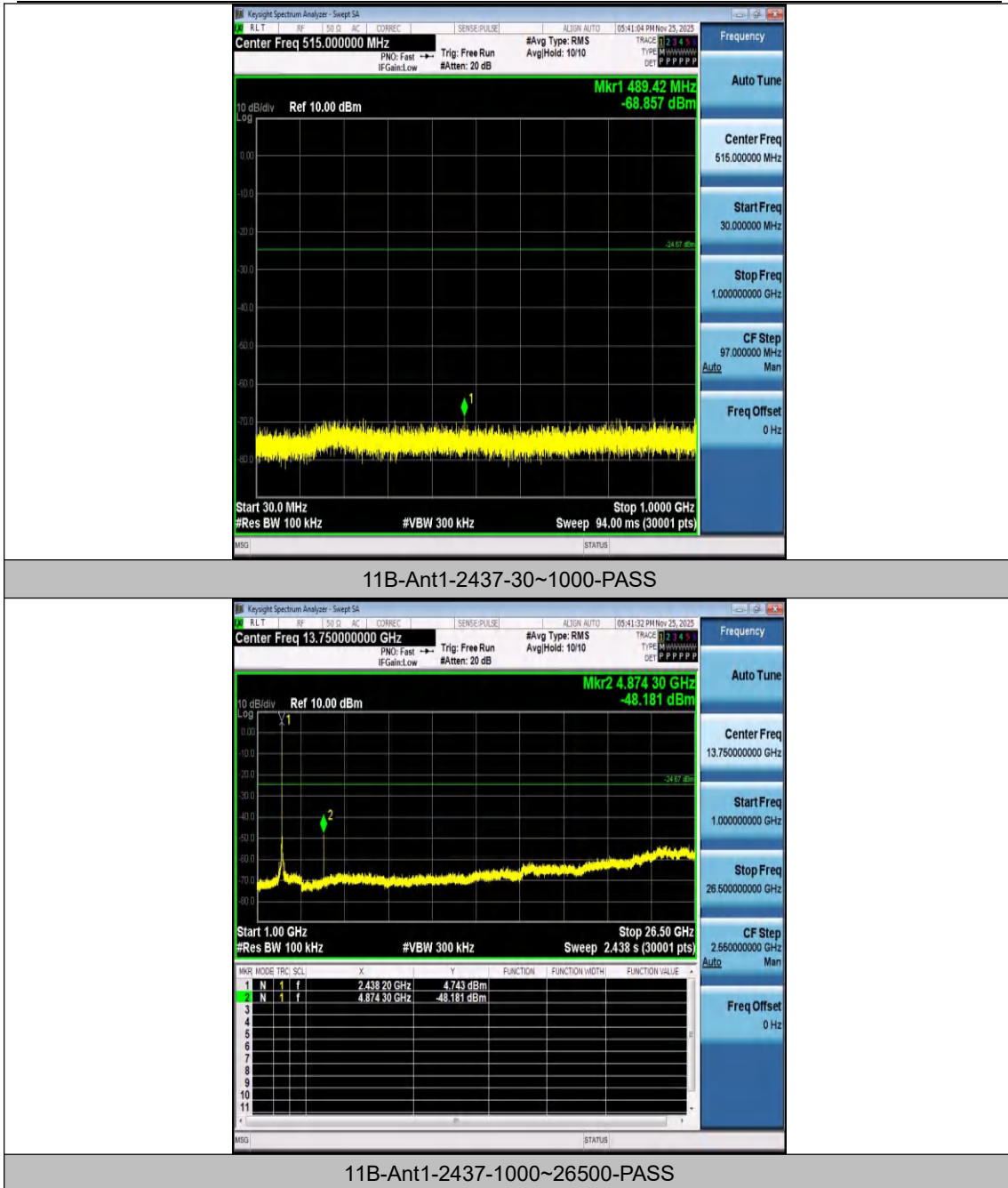
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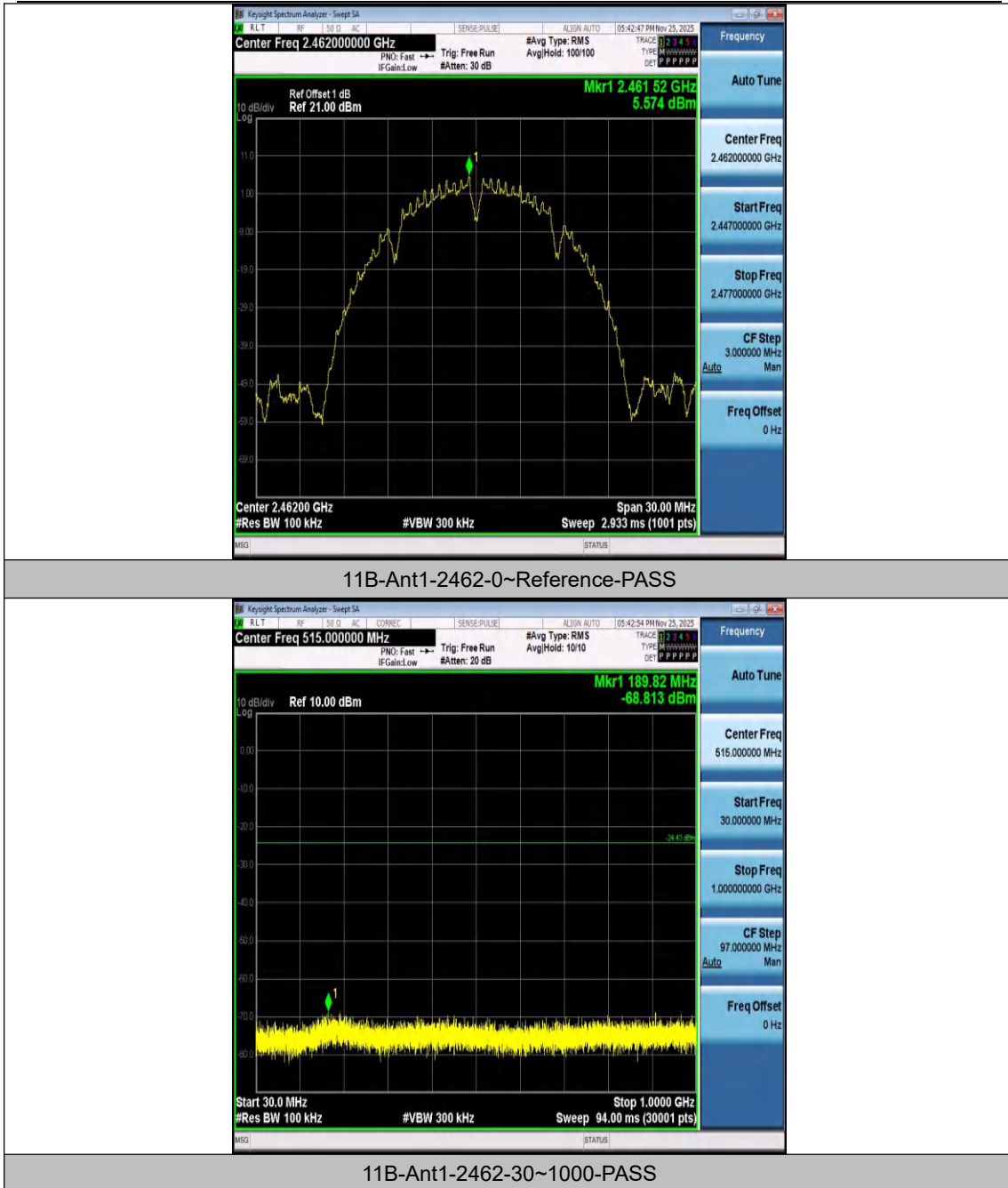
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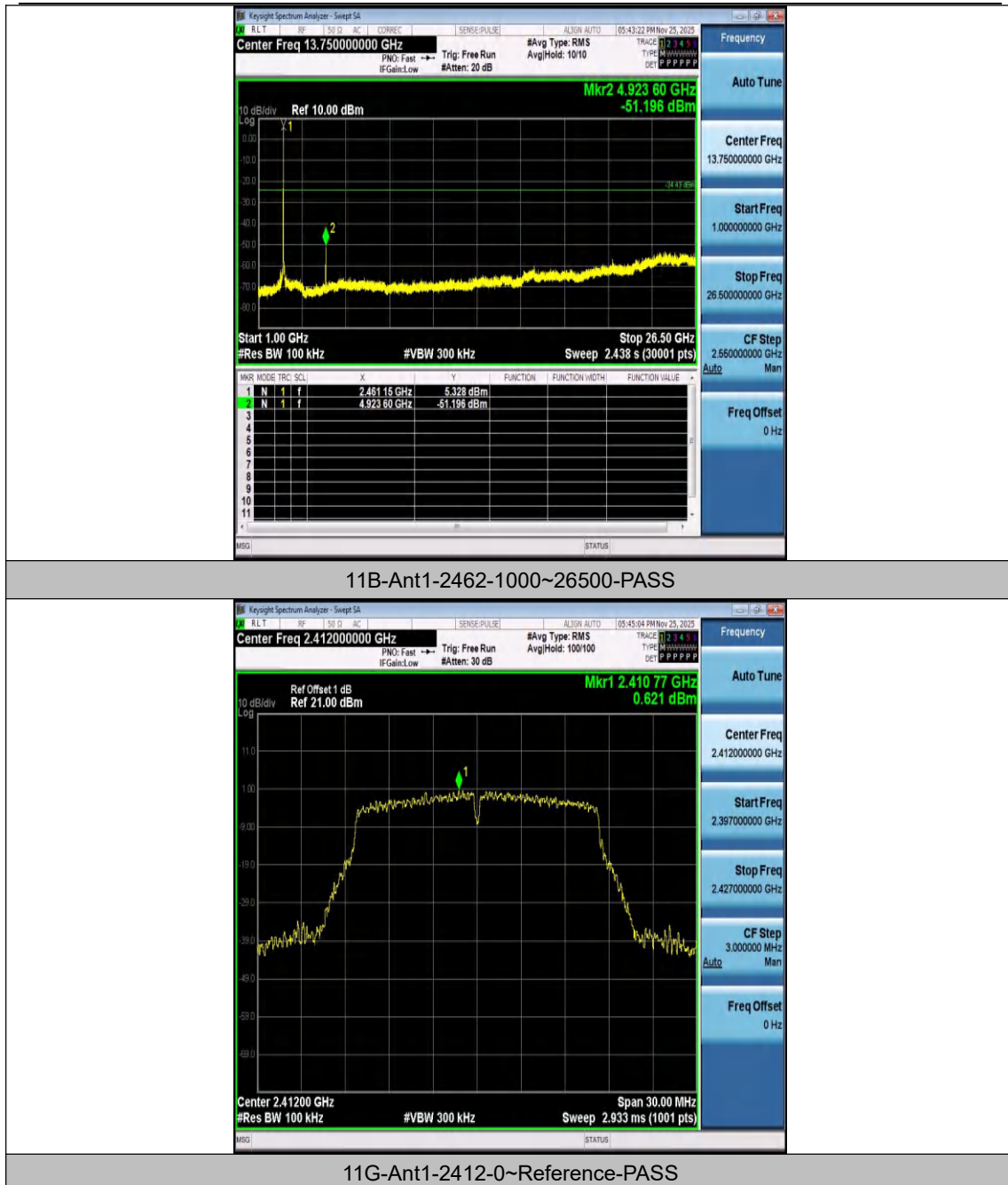
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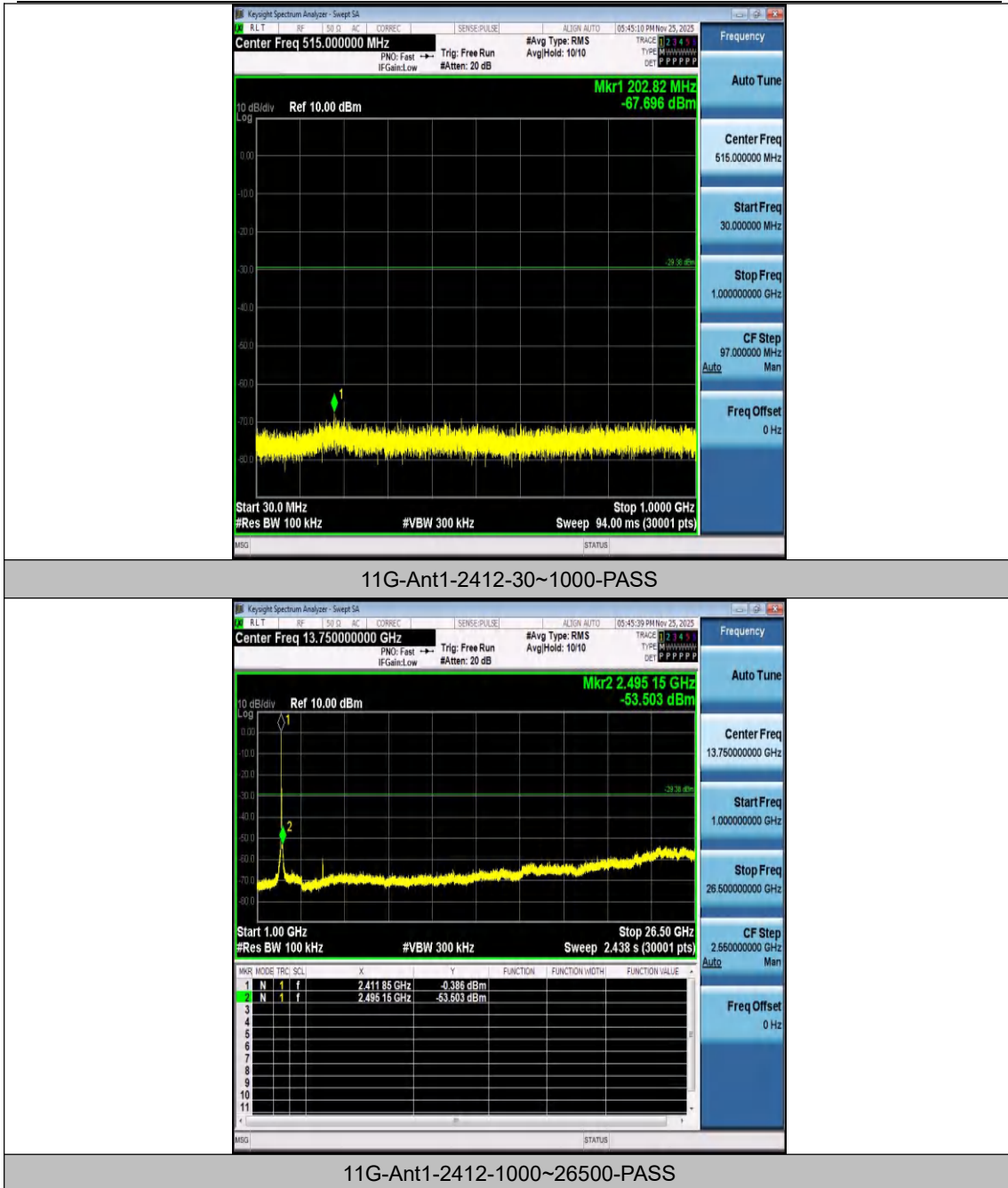
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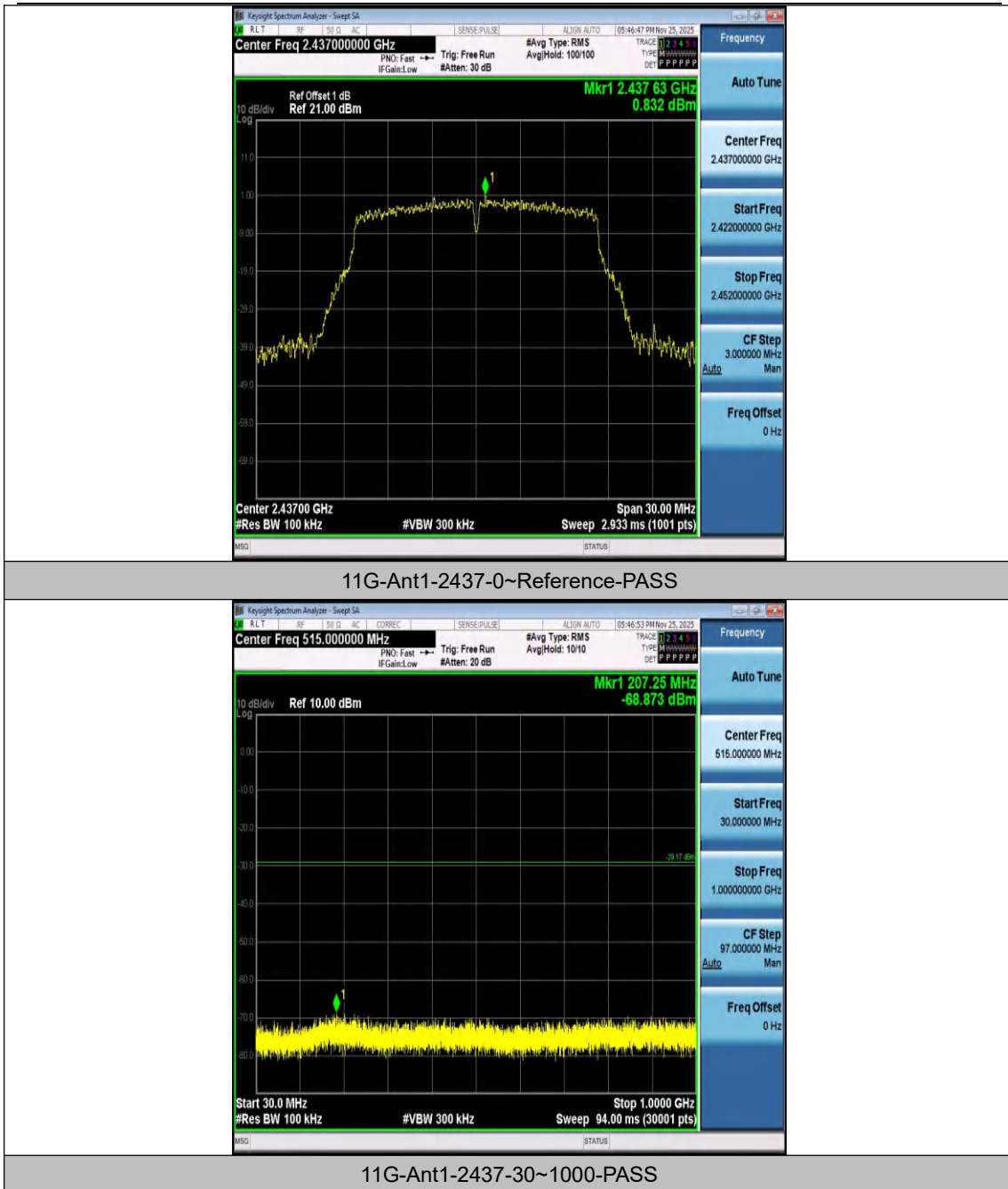
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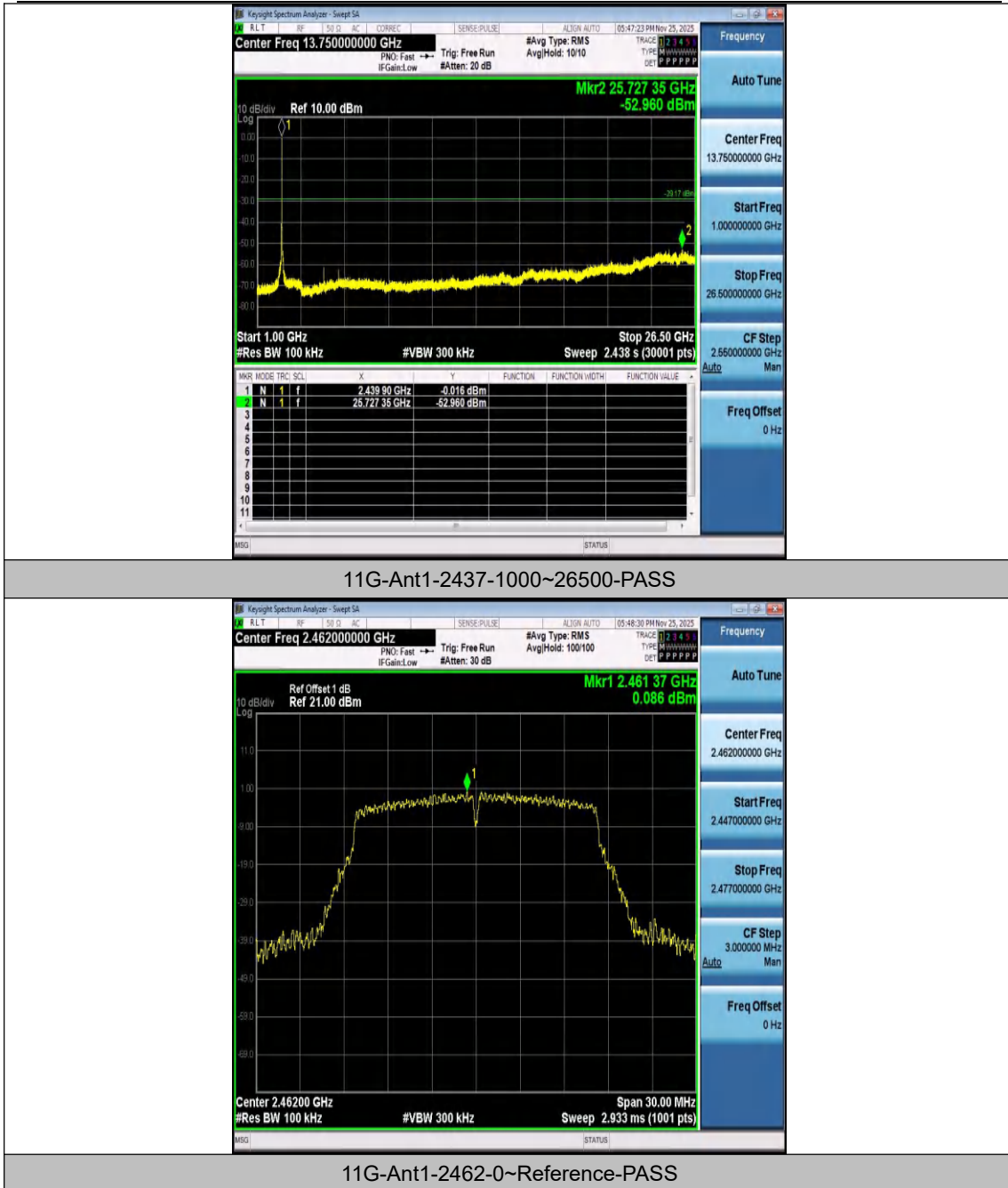
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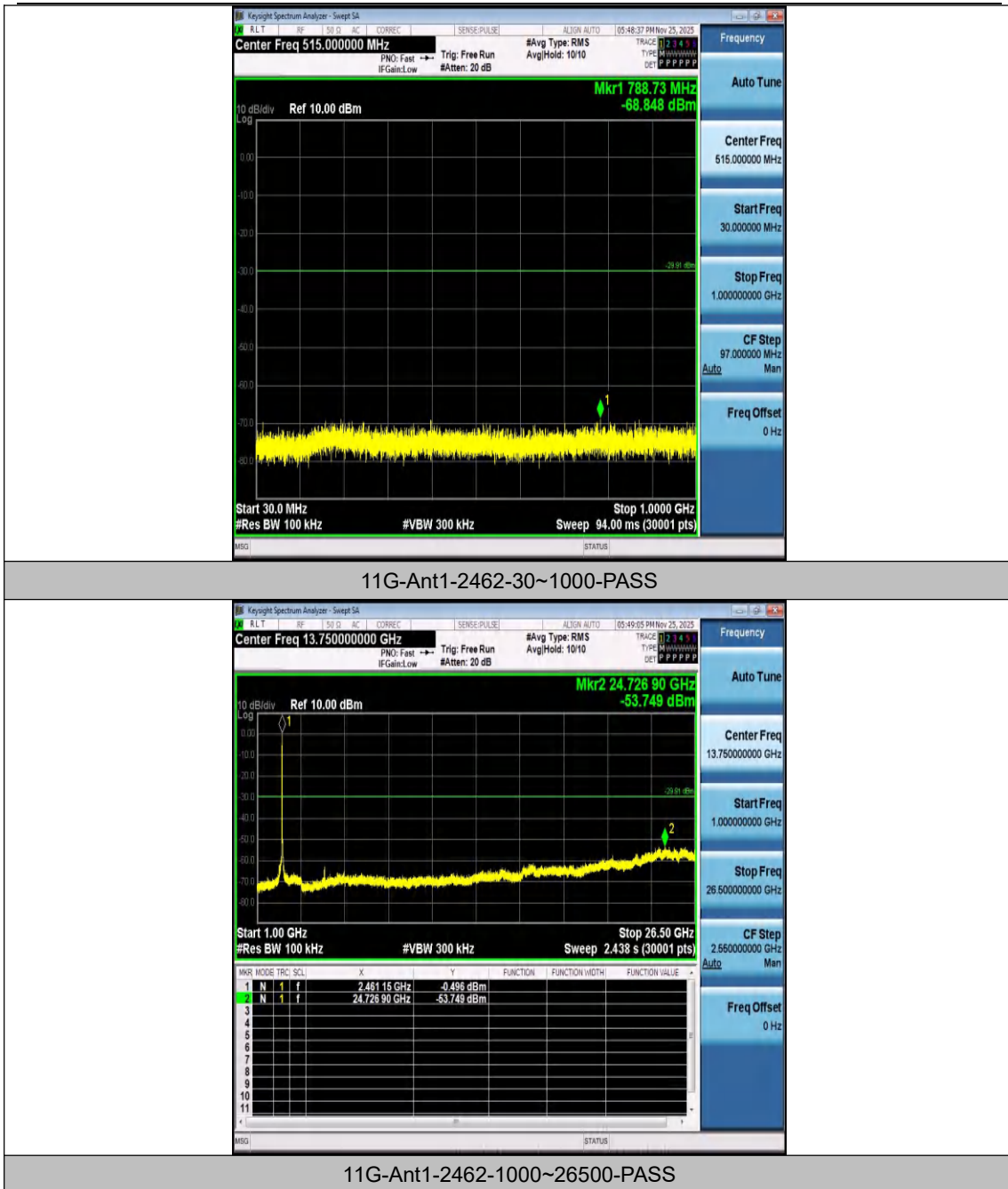
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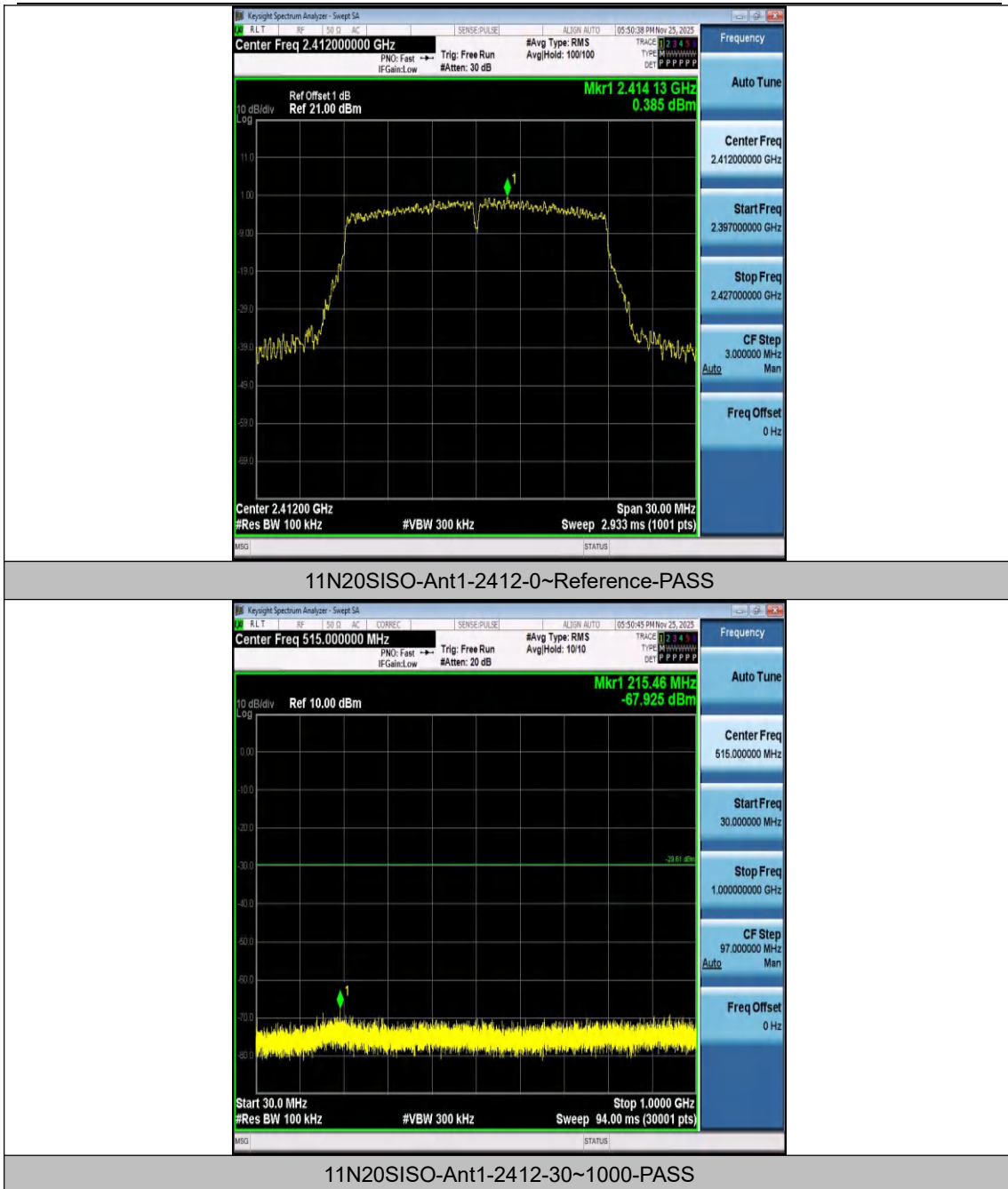
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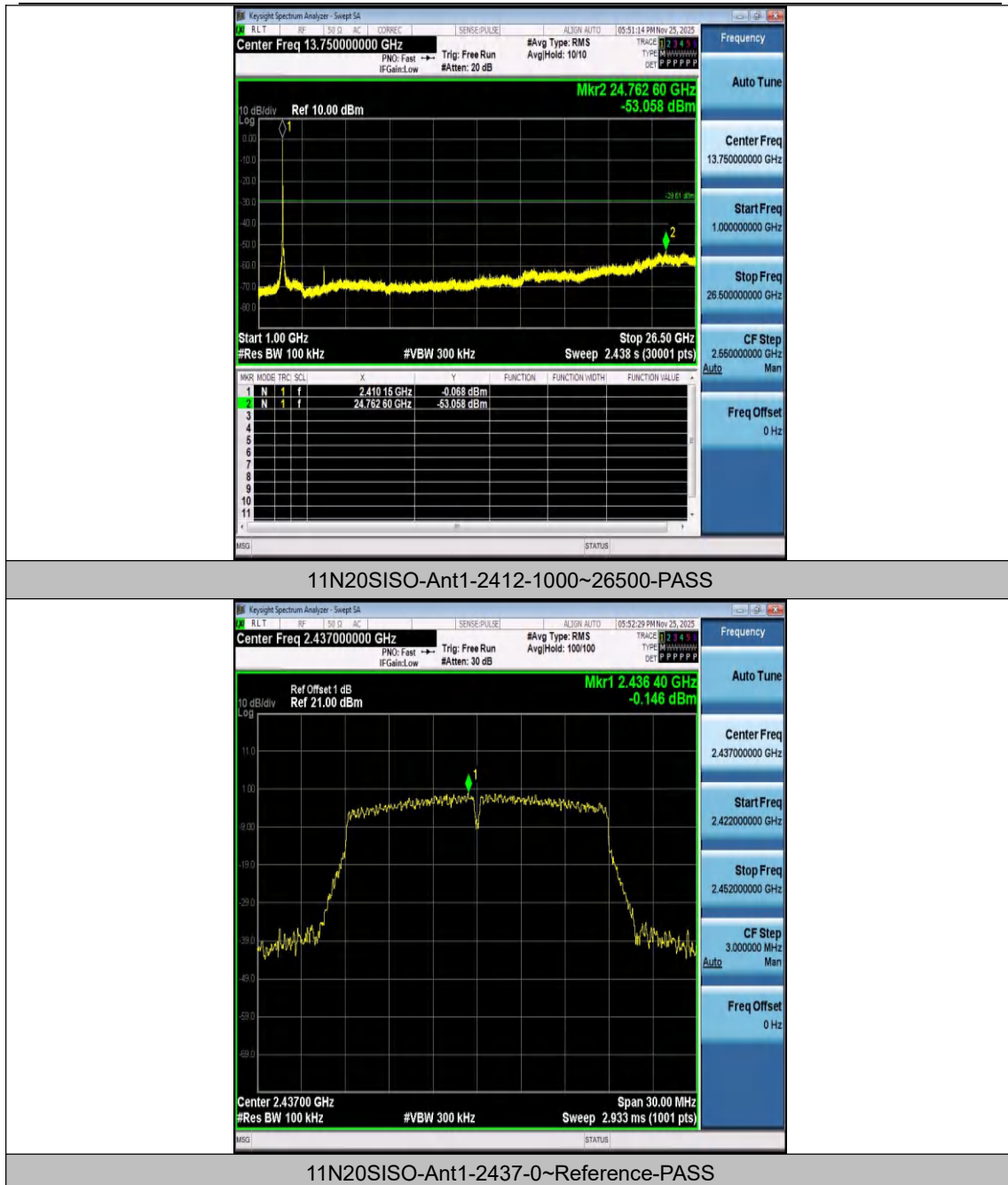
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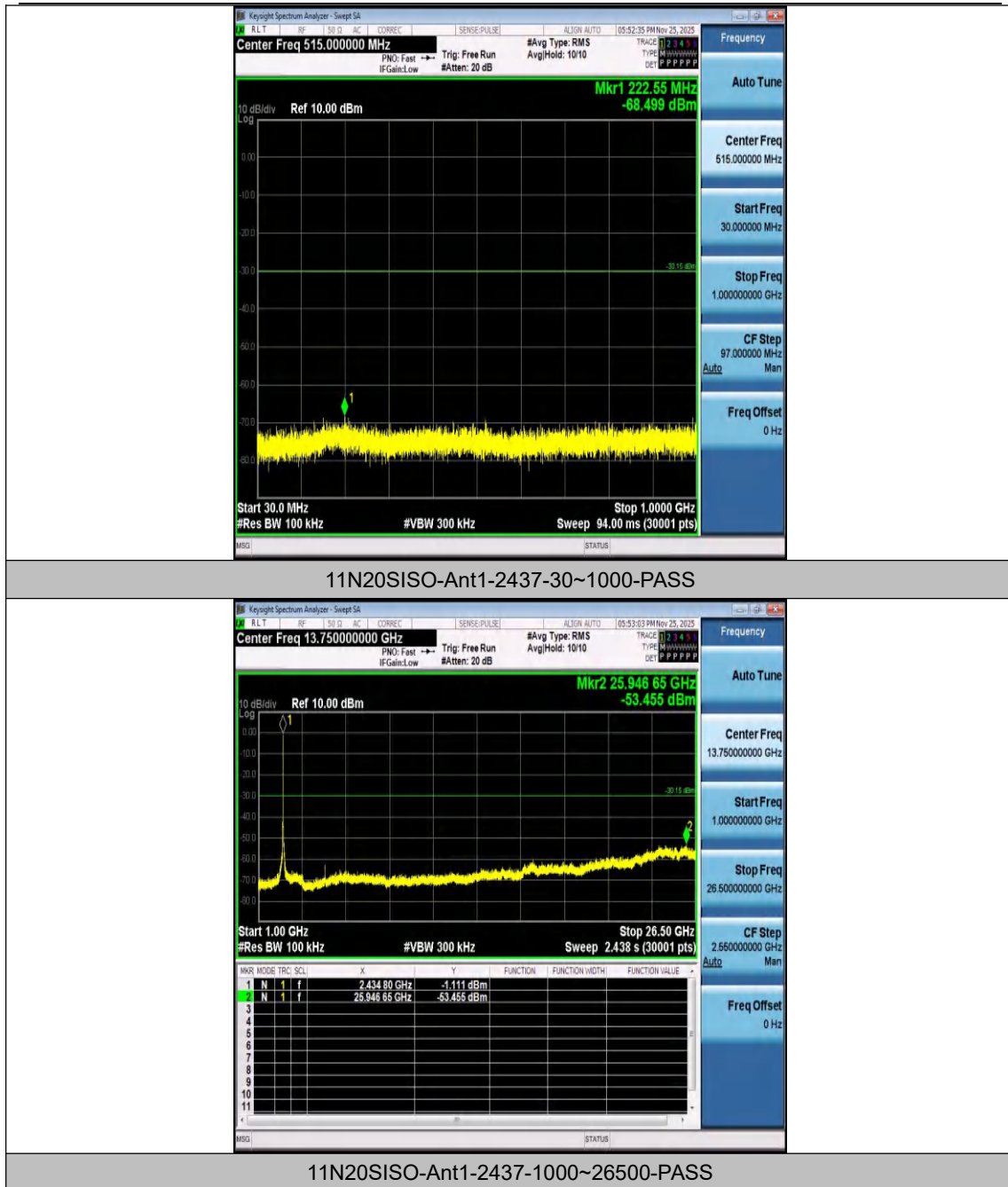


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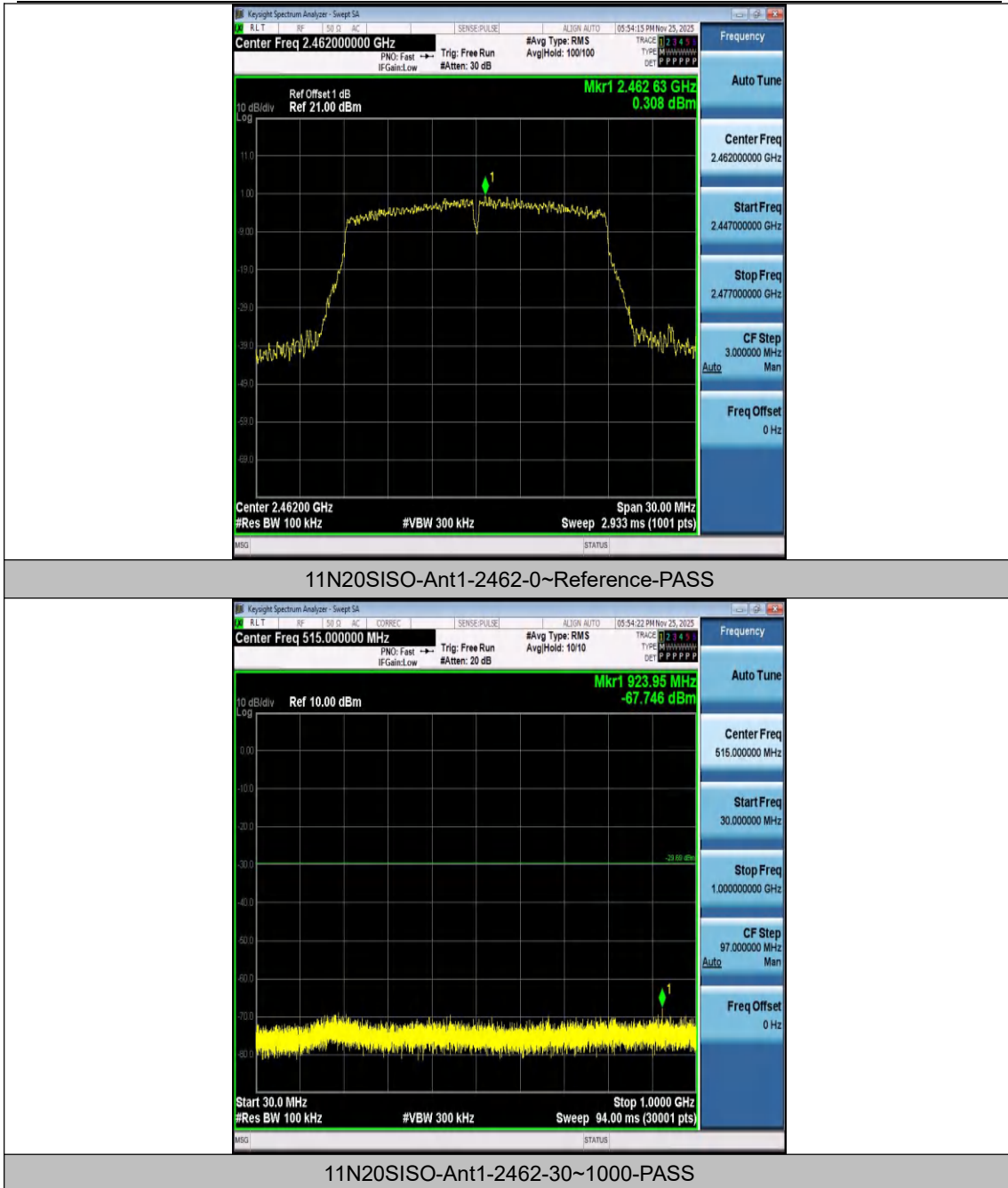




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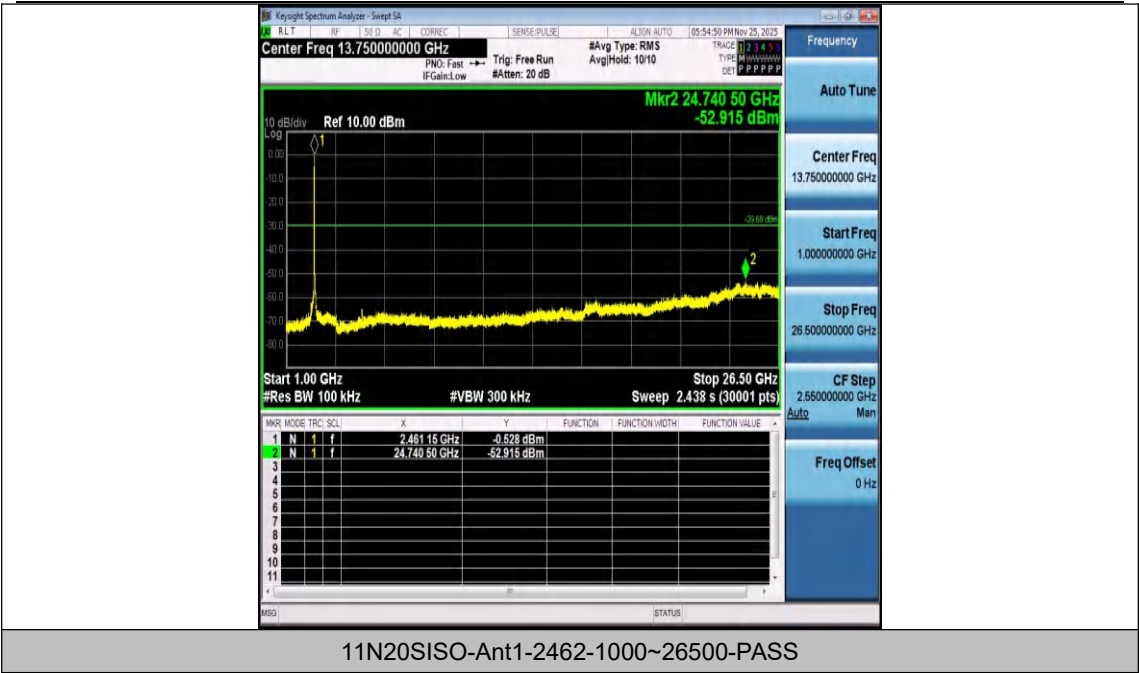
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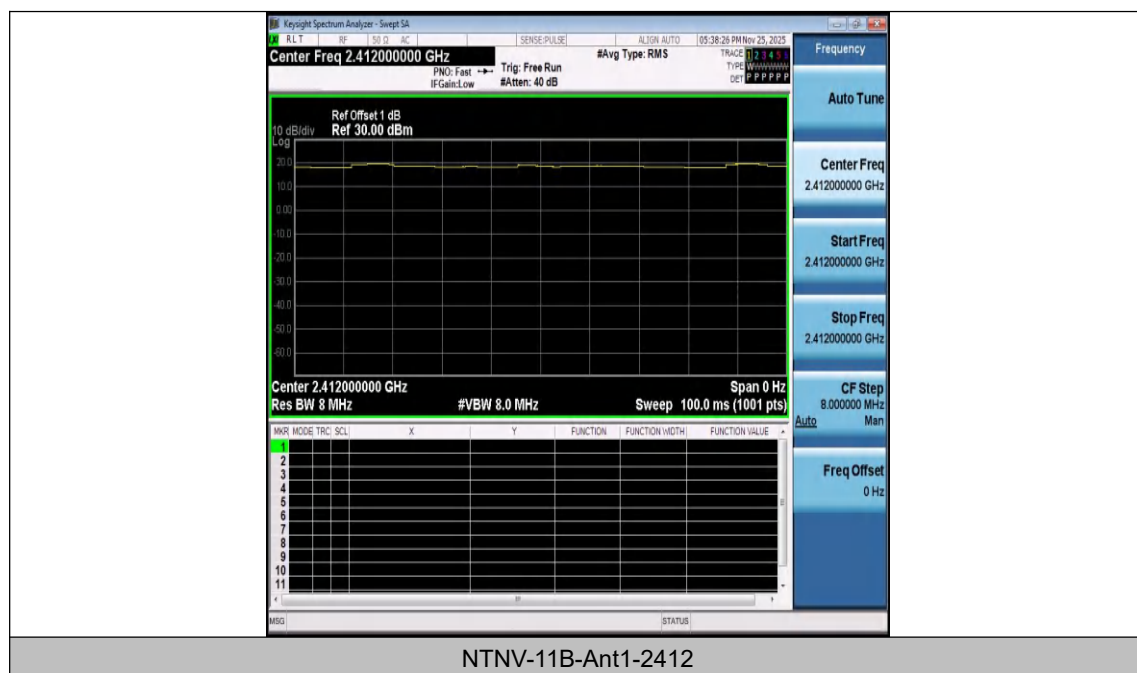
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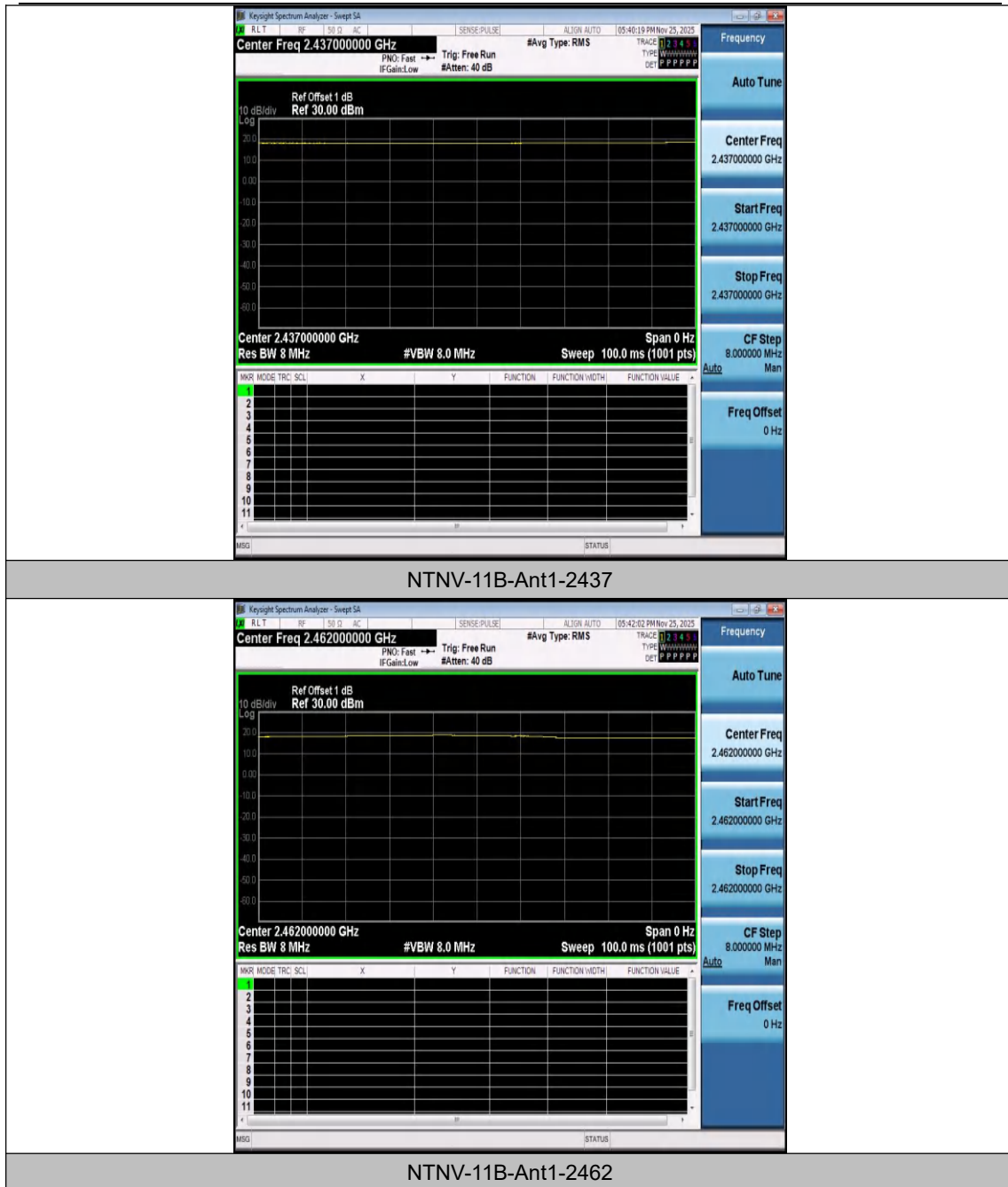
Appendix G: Duty Cycle

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

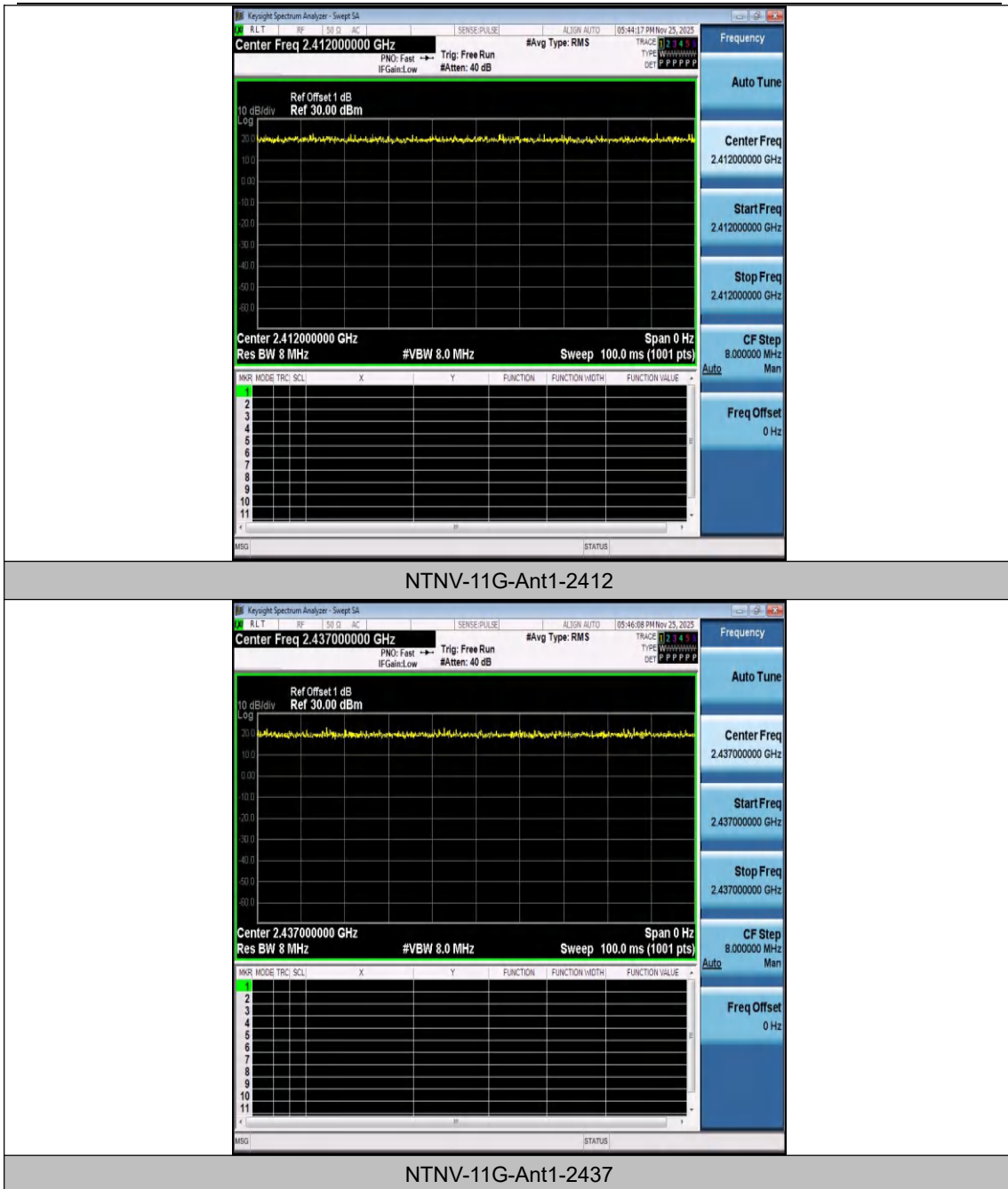




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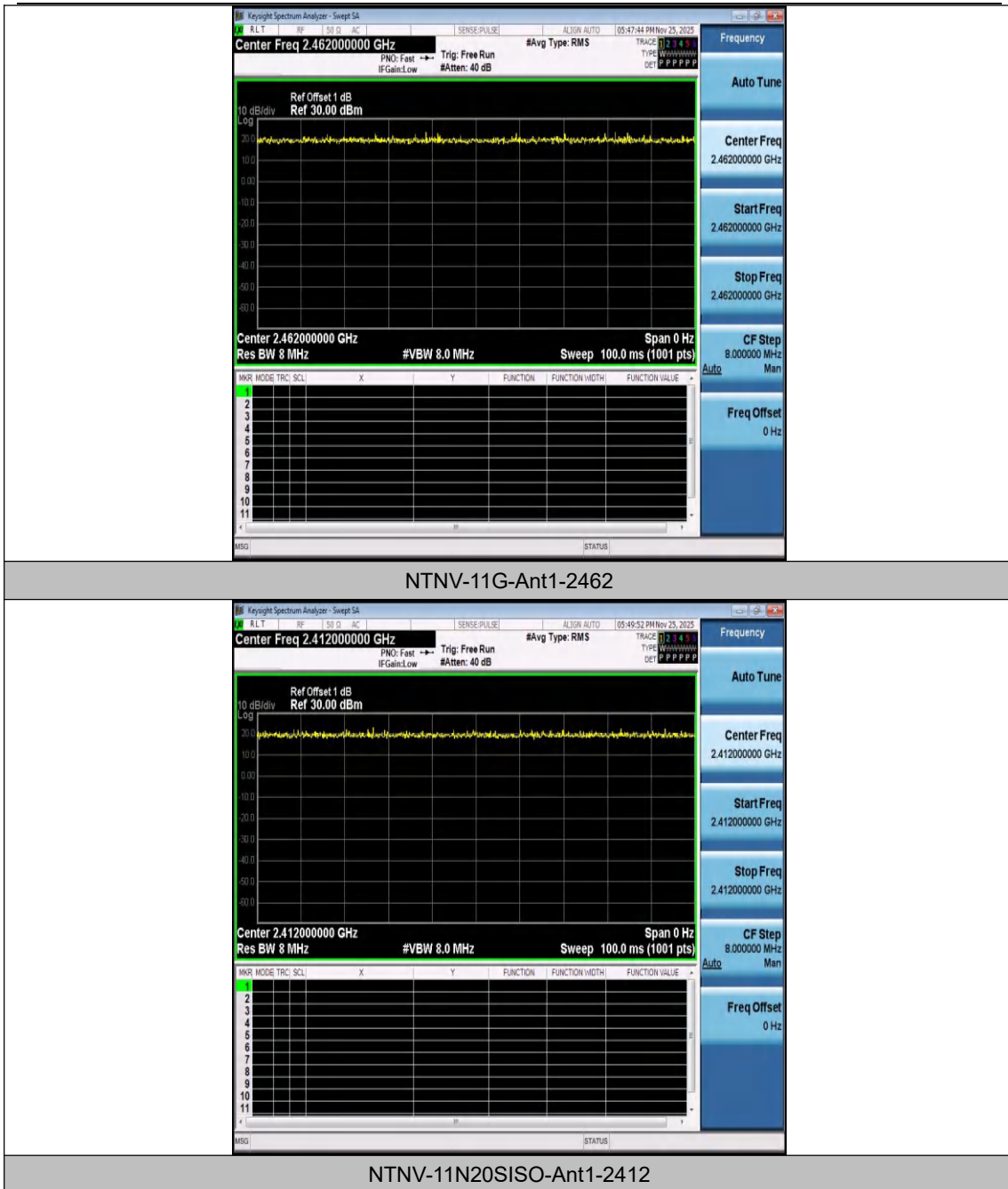
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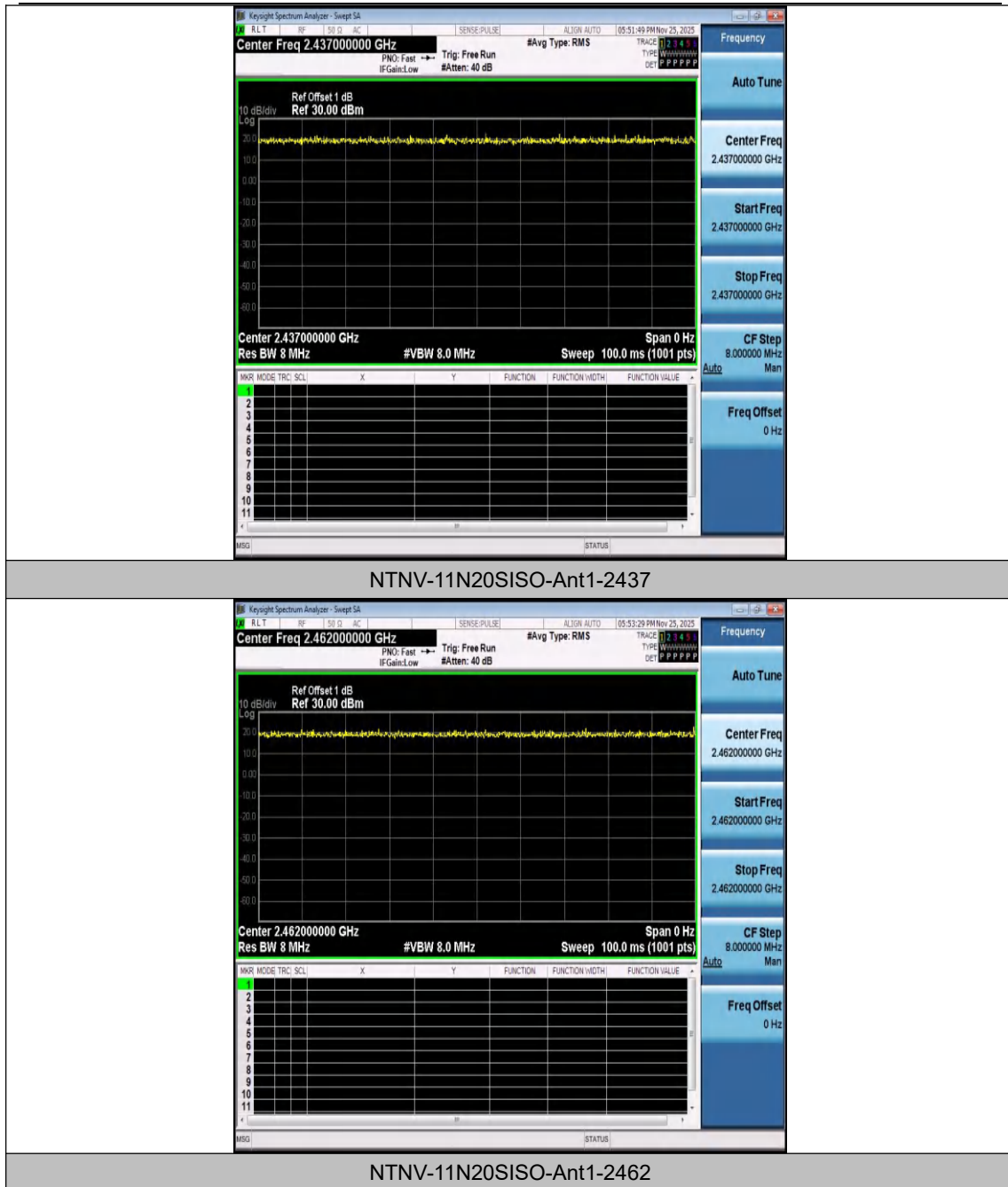
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---End---