

Appendix Test Data

Report No.:	1812C50509612502	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-14
Test Engineer:	<i>Alex Reng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.4°C	Relative Humidity:	64%
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	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	16.200	2403.920	2420.120	0.5	PASS
11G	Ant1	2437	15.680	2429.400	2445.080	0.5	PASS
11G	Ant1	2462	16.240	2454.000	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.320	2420.680	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.480	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.440	2453.400	2470.840	0.5	PASS

Test Graphs



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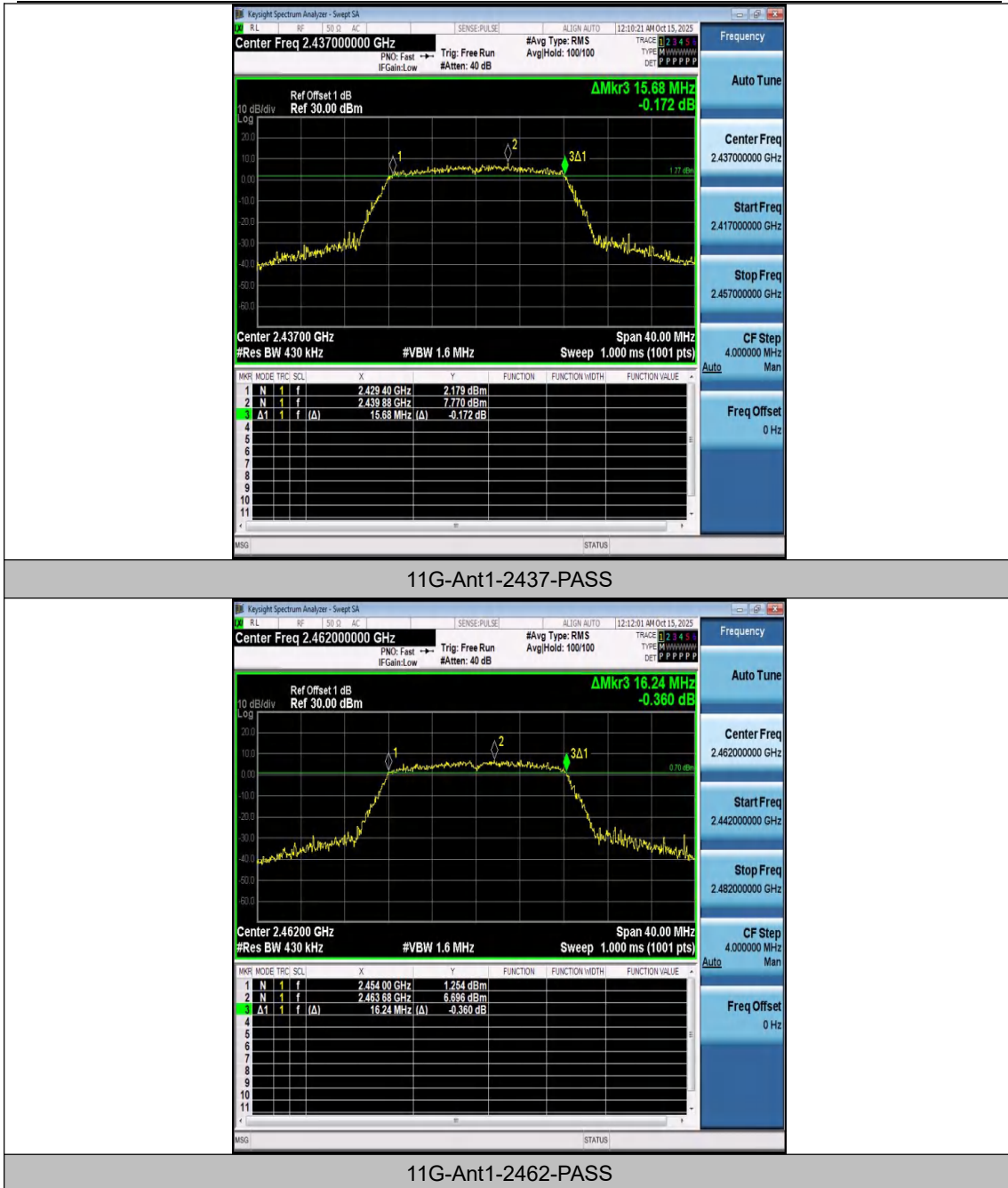
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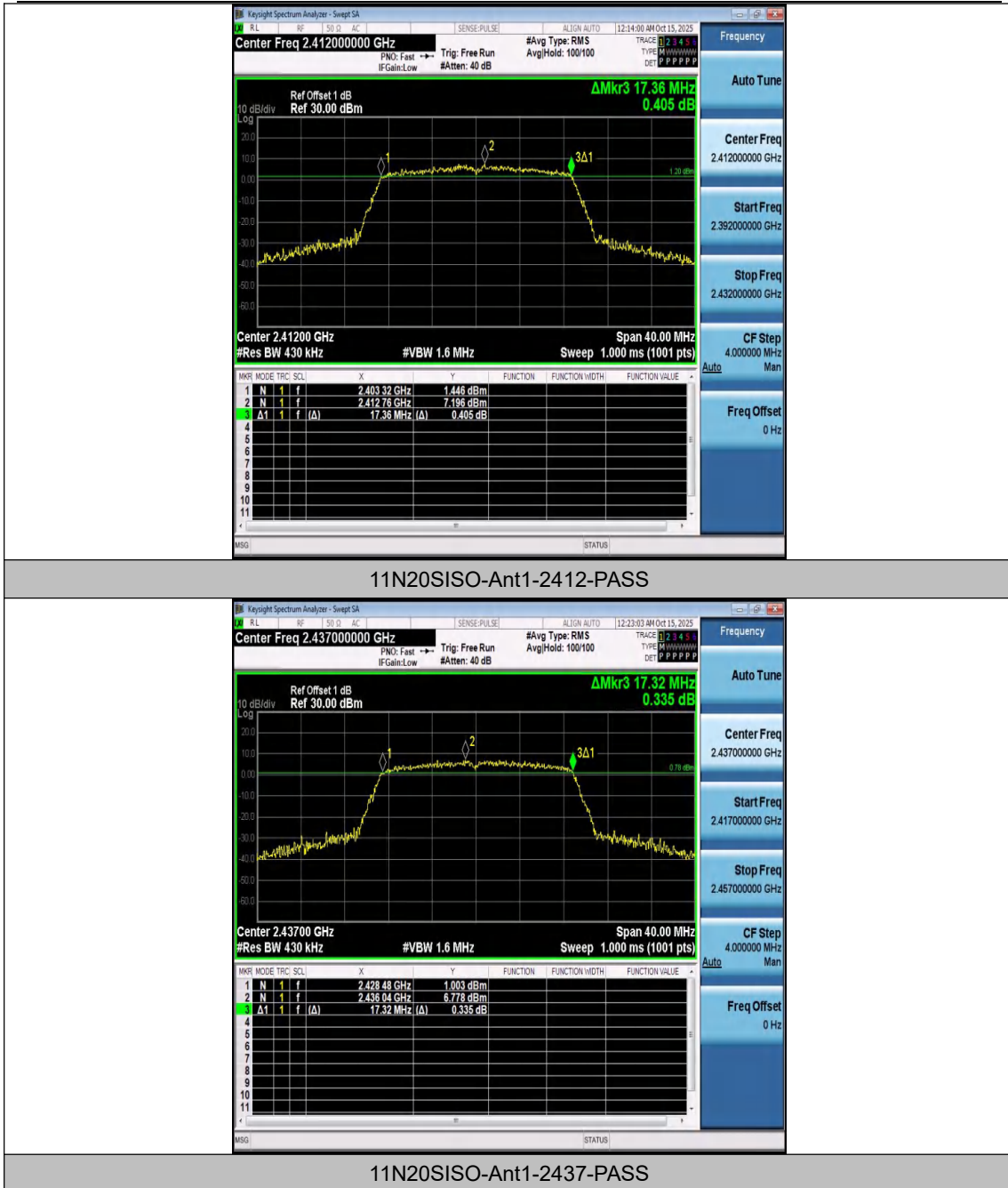
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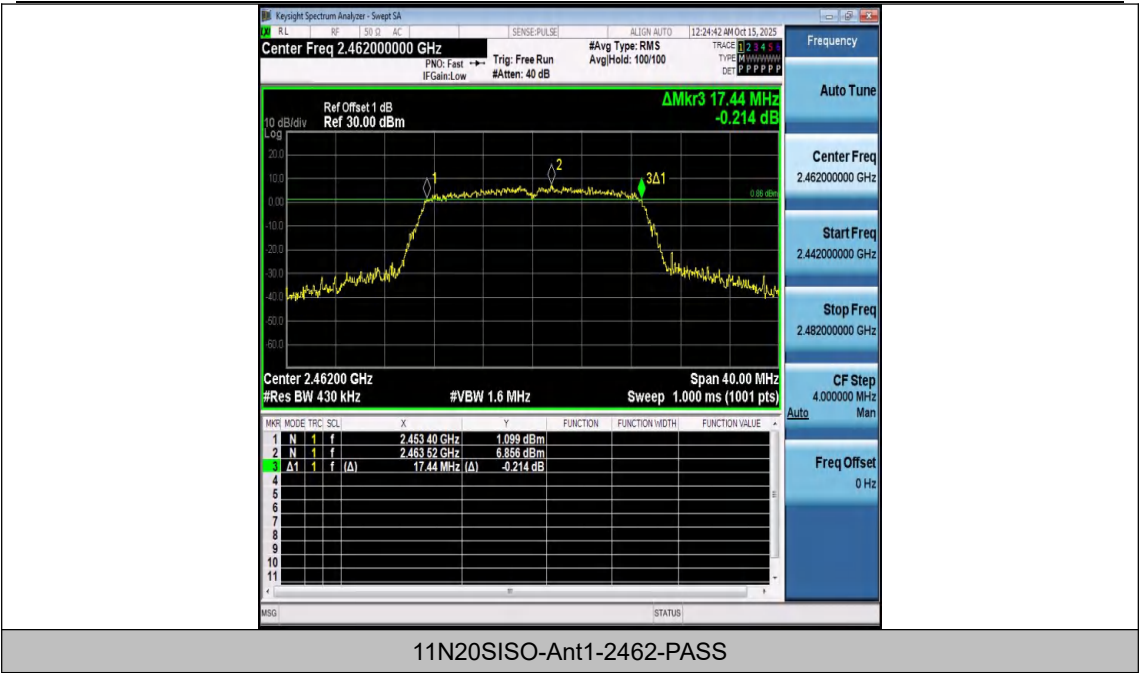


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Appendix B: 99% Occupied Bandwidth

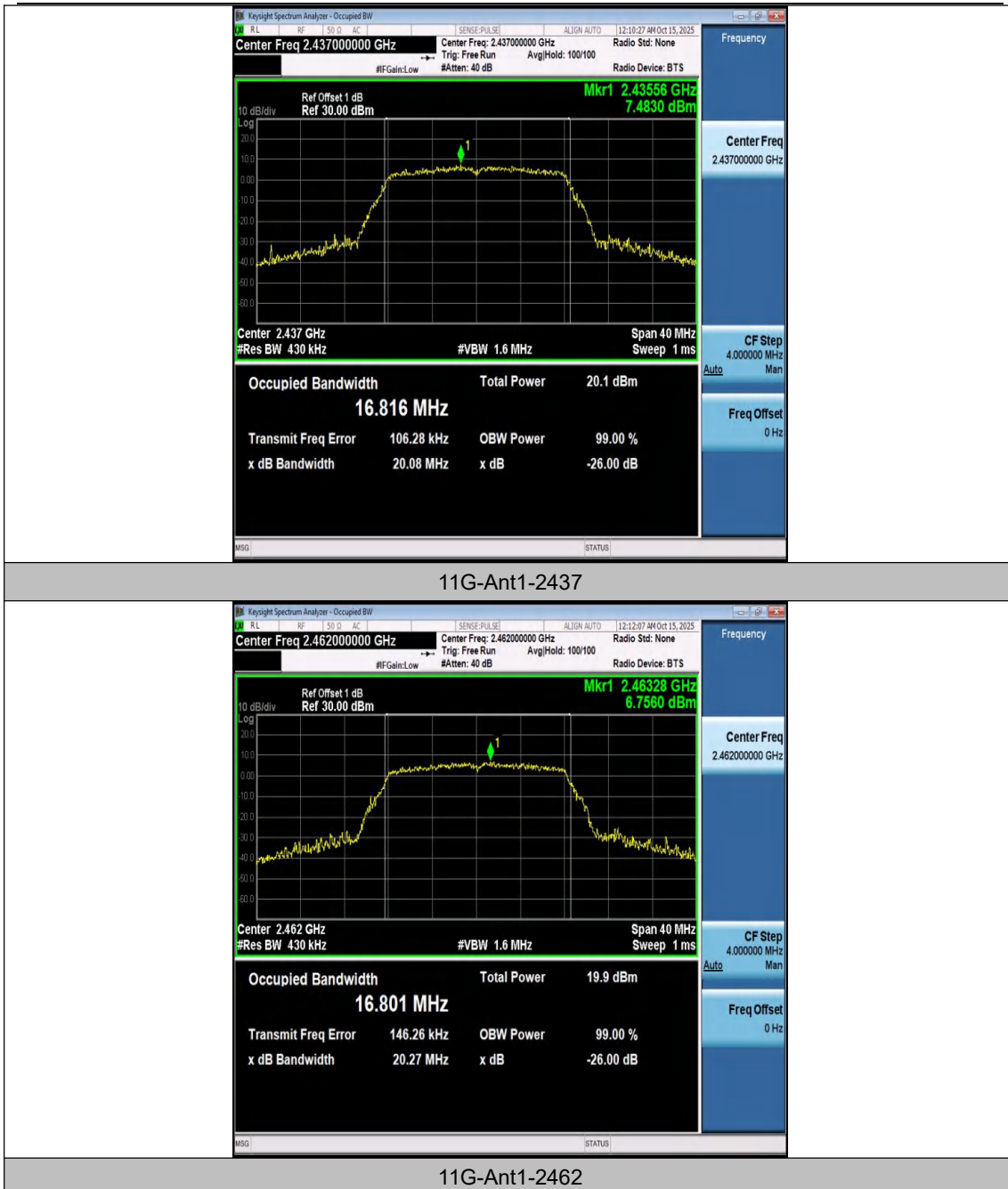
Test Result

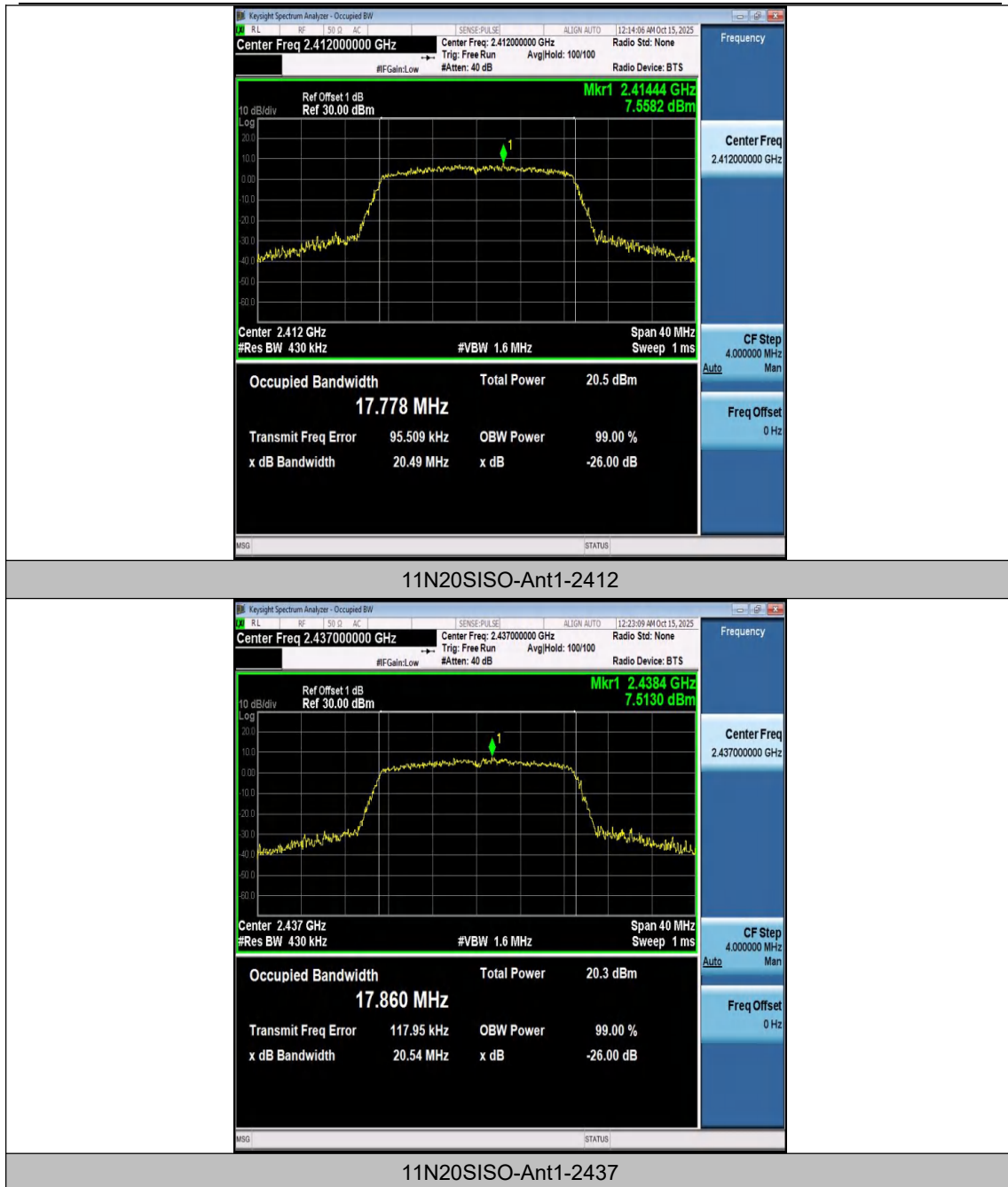
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.816	2405.6782	2418.4942	---	---
11B	Ant1	2437	12.777	2430.7168	2443.4938	---	---
11B	Ant1	2462	12.729	2455.7590	2468.4880	---	---
11G	Ant1	2412	16.845	2403.6497	2420.4947	---	---
11G	Ant1	2437	16.816	2428.6983	2445.5143	---	---
11G	Ant1	2462	16.801	2453.7458	2470.5468	---	---
11N20SISO	Ant1	2412	17.778	2403.2065	2420.9845	---	---
11N20SISO	Ant1	2437	17.860	2428.1880	2446.0480	---	---
11N20SISO	Ant1	2462	17.833	2453.1989	2471.0319	---	---

Test Graphs





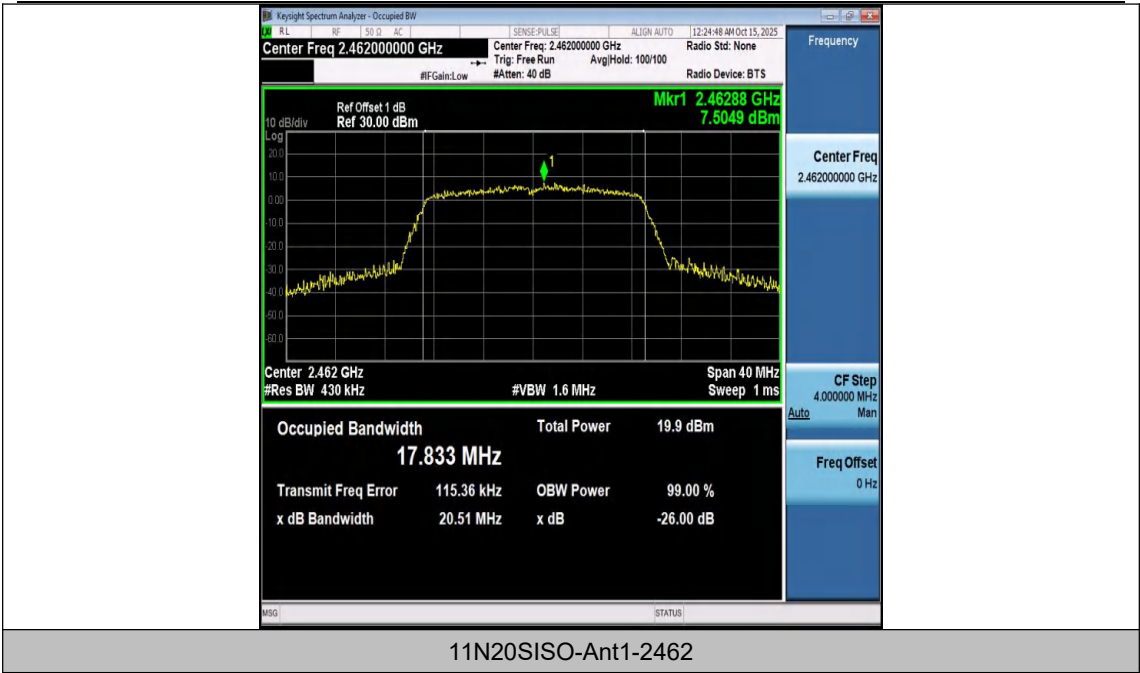




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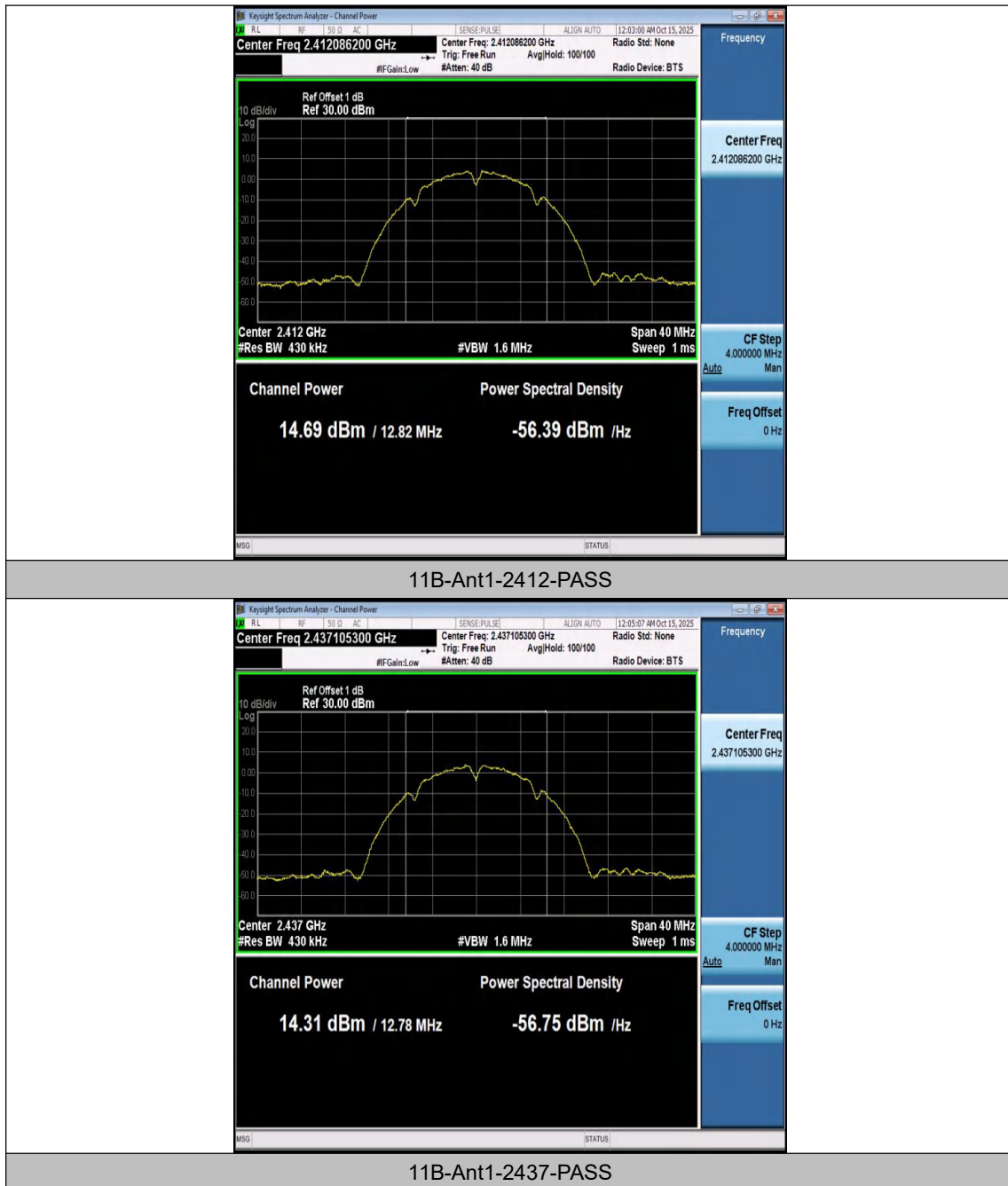
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.69	100.00	0.00	14.69	≤30.00	PASS
11B	Ant1	2437	14.31	100.00	0.00	14.31	≤30.00	PASS
11B	Ant1	2462	14.28	100.00	0.00	14.28	≤30.00	PASS
11G	Ant1	2412	14.38	100.00	0.00	14.38	≤30.00	PASS
11G	Ant1	2437	14.02	100.00	0.00	14.02	≤30.00	PASS
11G	Ant1	2462	13.77	100.00	0.00	13.77	≤30.00	PASS
11N20SISO	Ant1	2412	14.26	100.00	0.00	14.26	≤30.00	PASS
11N20SISO	Ant1	2437	14.15	100.00	0.00	14.15	≤30.00	PASS
11N20SISO	Ant1	2462	13.79	100.00	0.00	13.79	≤30.00	PASS

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

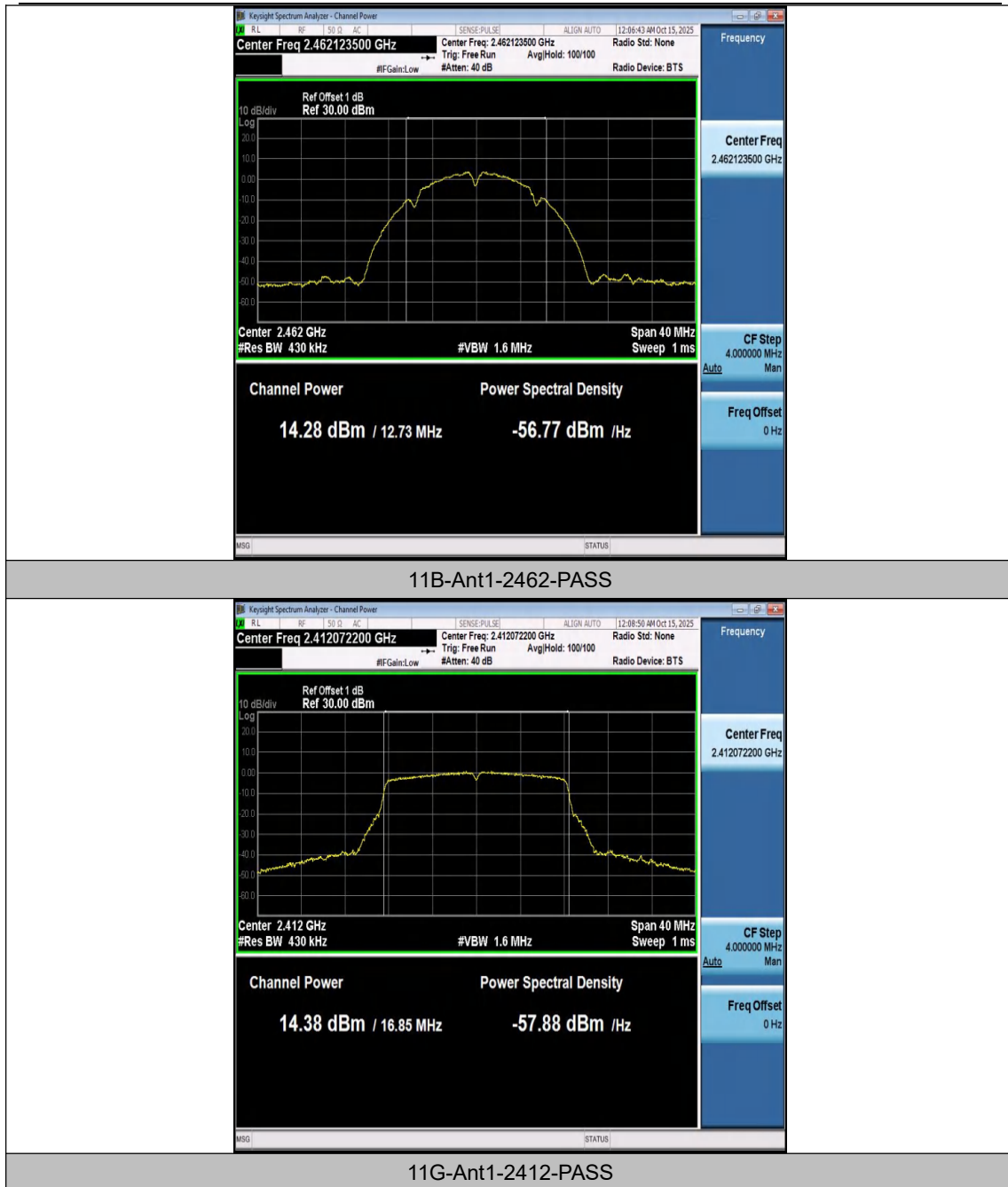
Test Graphs Average



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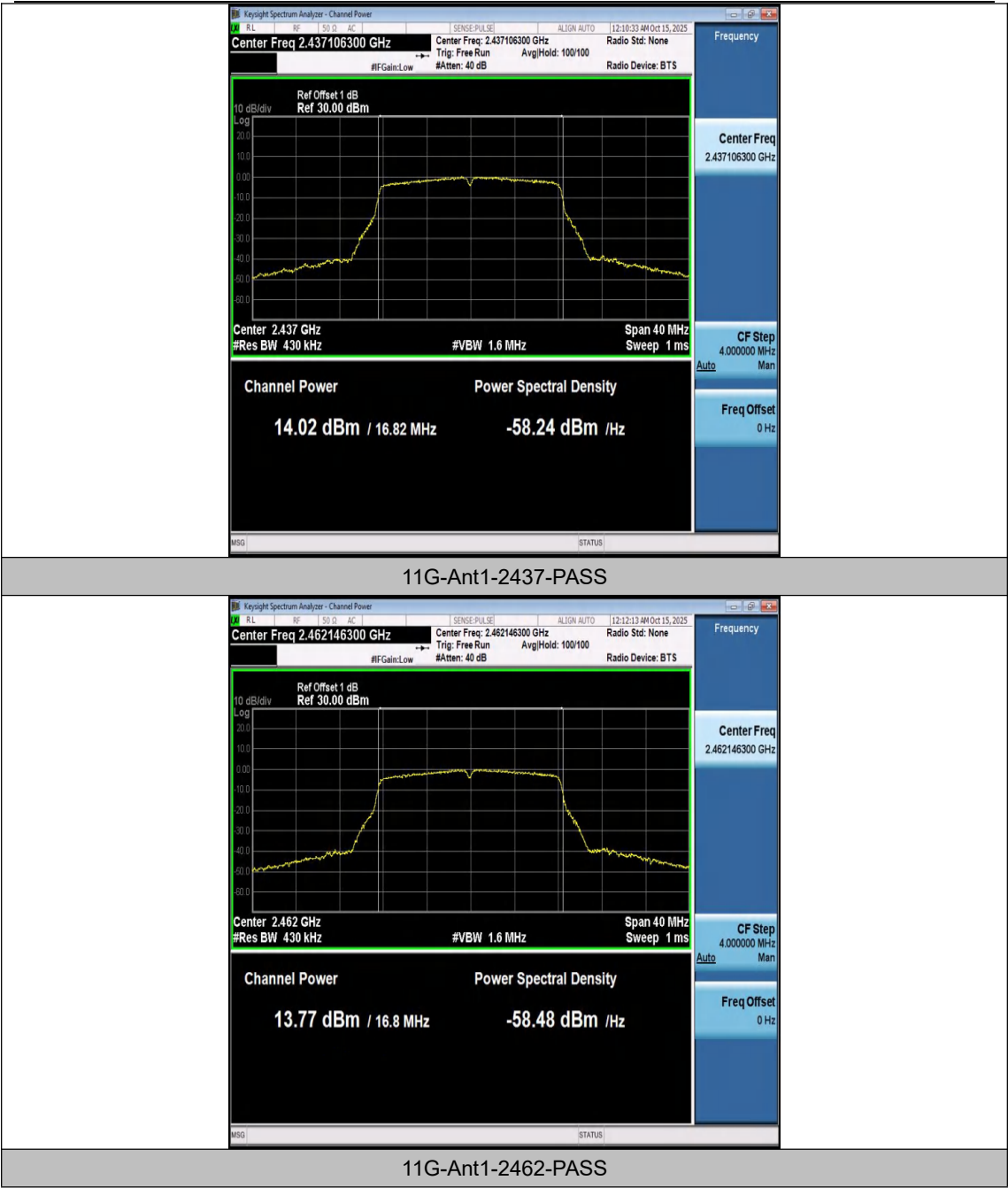
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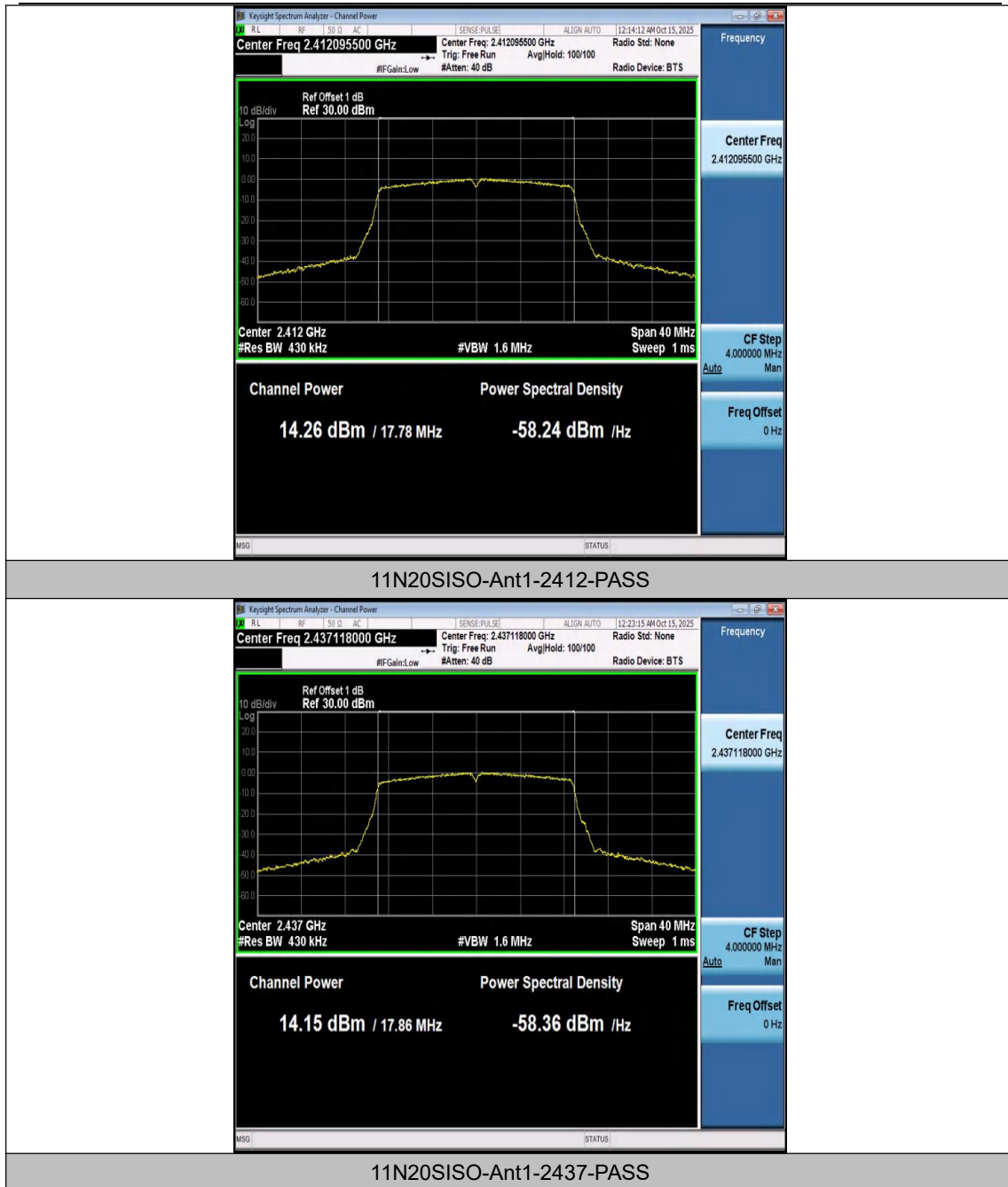


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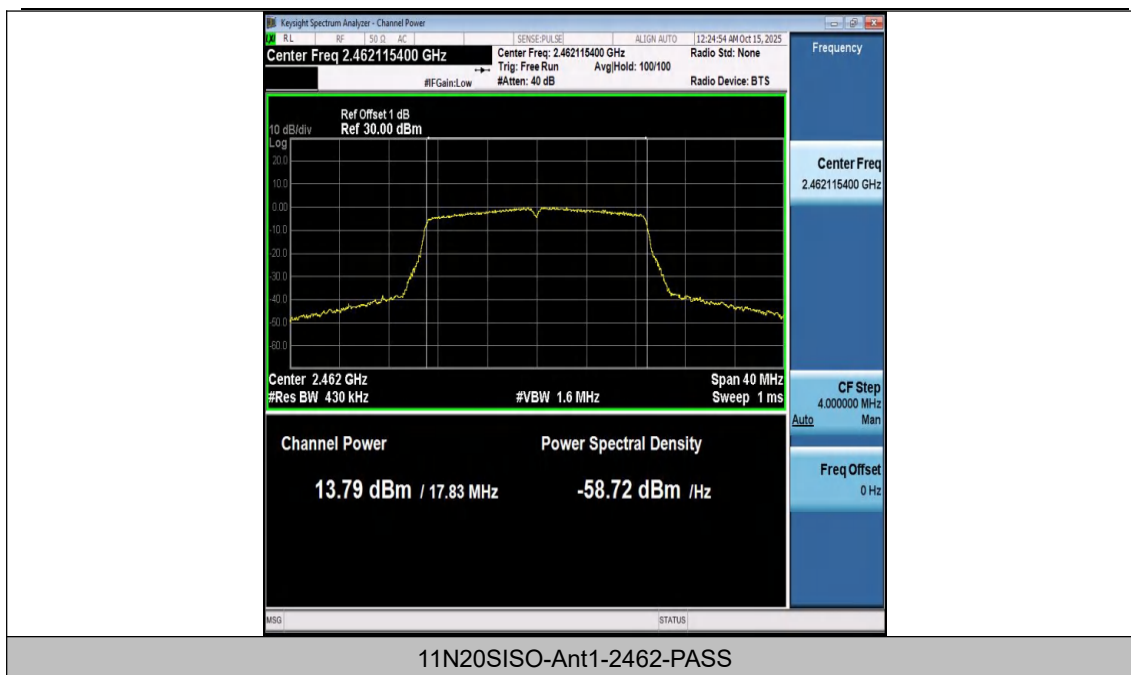




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Appendix D: Maximum power spectral density

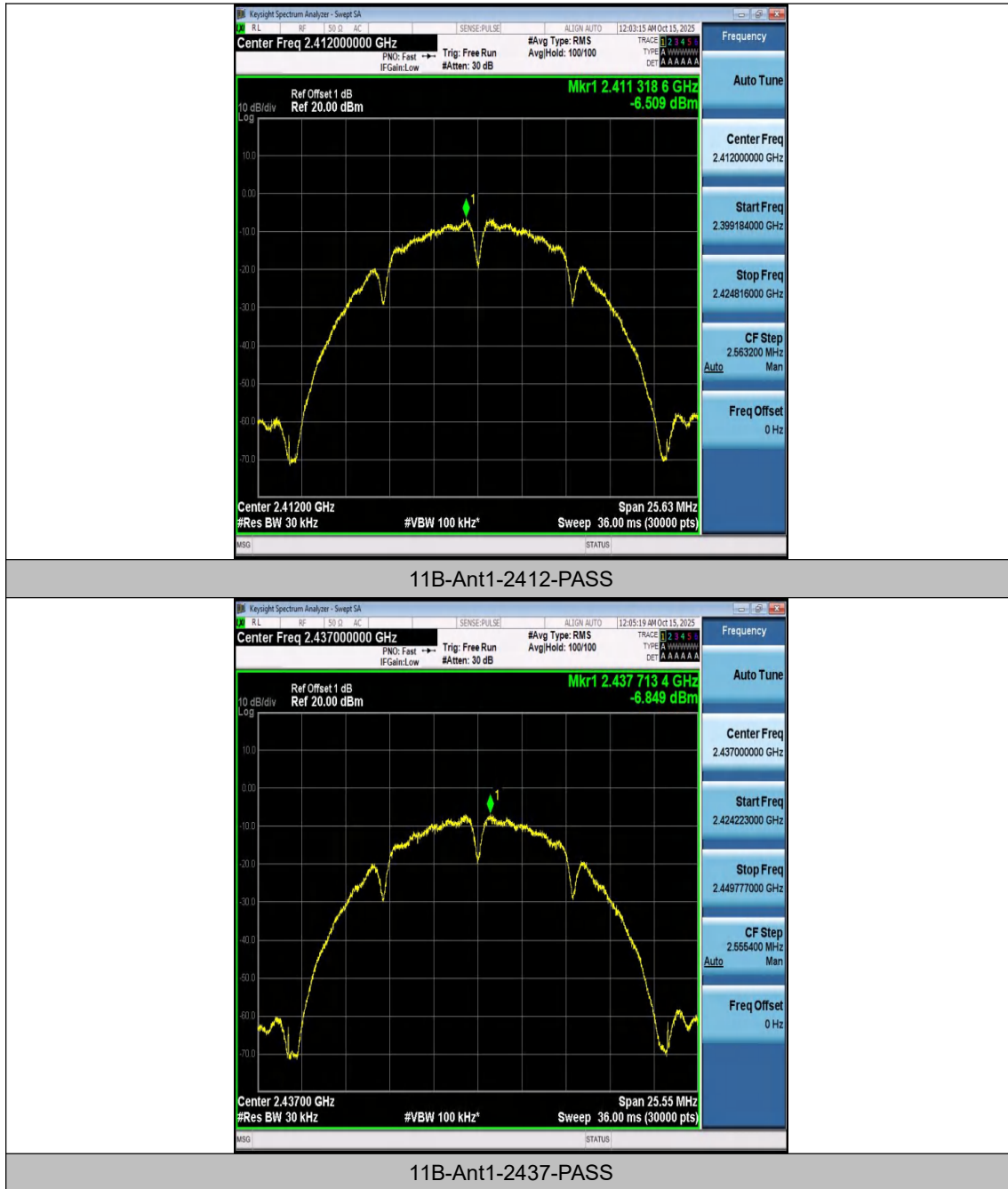
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.51	≤8.00	PASS
11B	Ant1	2437	-6.85	≤8.00	PASS
11B	Ant1	2462	-6.55	≤8.00	PASS
11G	Ant1	2412	-9.27	≤8.00	PASS
11G	Ant1	2437	-9.19	≤8.00	PASS
11G	Ant1	2462	-9.92	≤8.00	PASS
11N20SIS O	Ant1	2412	-9.56	≤8.00	PASS
11N20SIS O	Ant1	2437	-9.62	≤8.00	PASS
11N20SIS O	Ant1	2462	-9.54	≤8.00	PASS

Note:

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

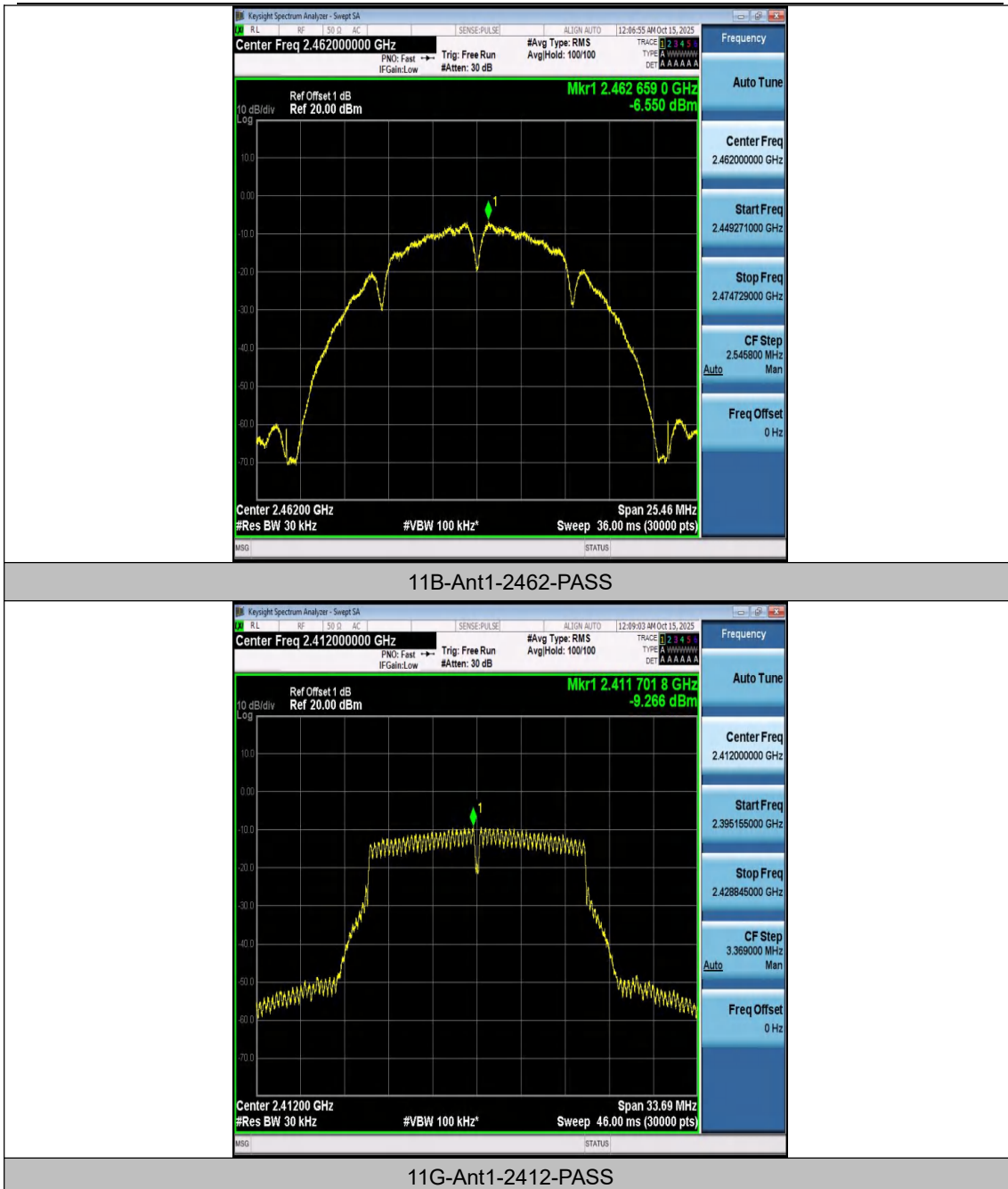
Test Graphs



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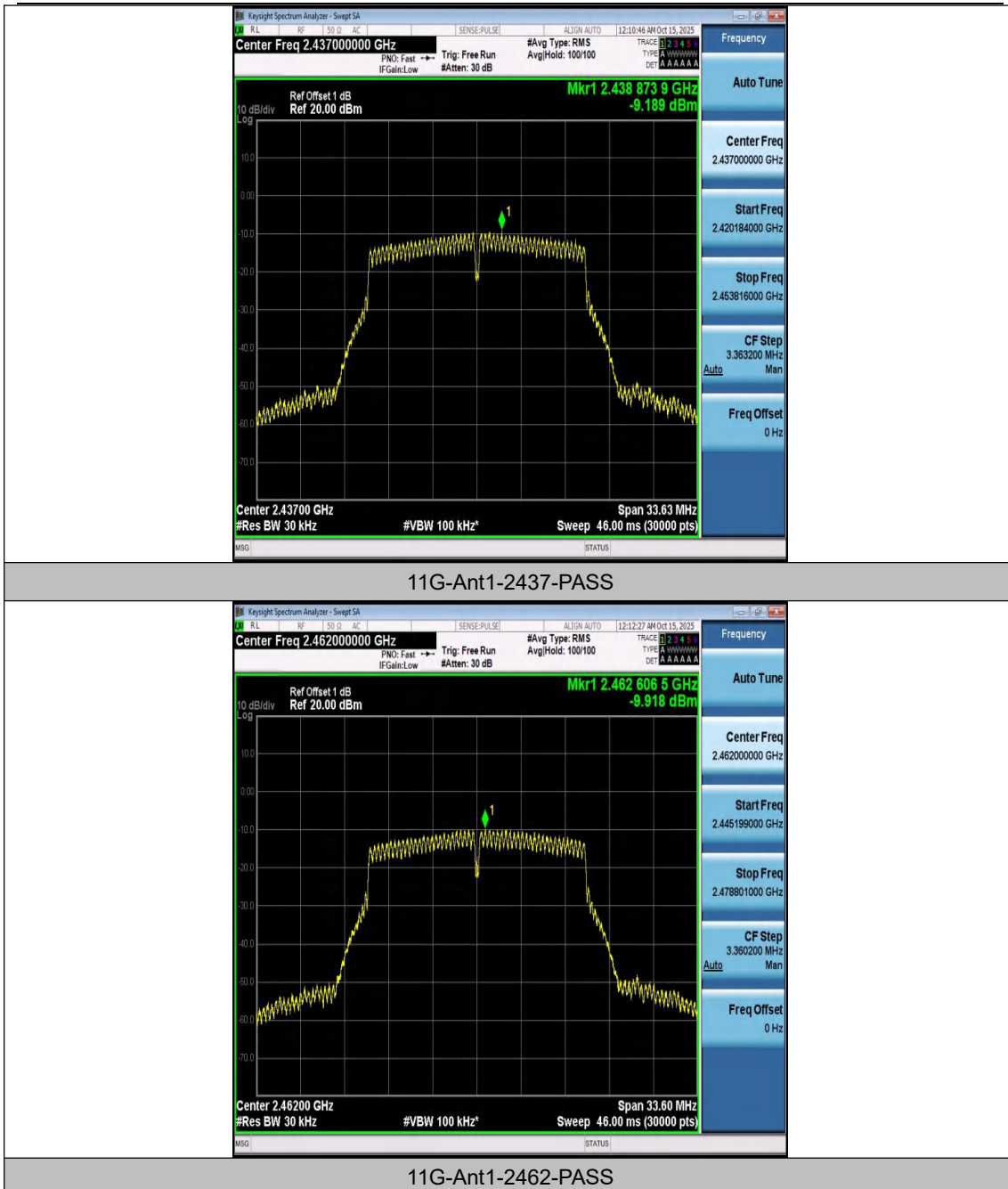
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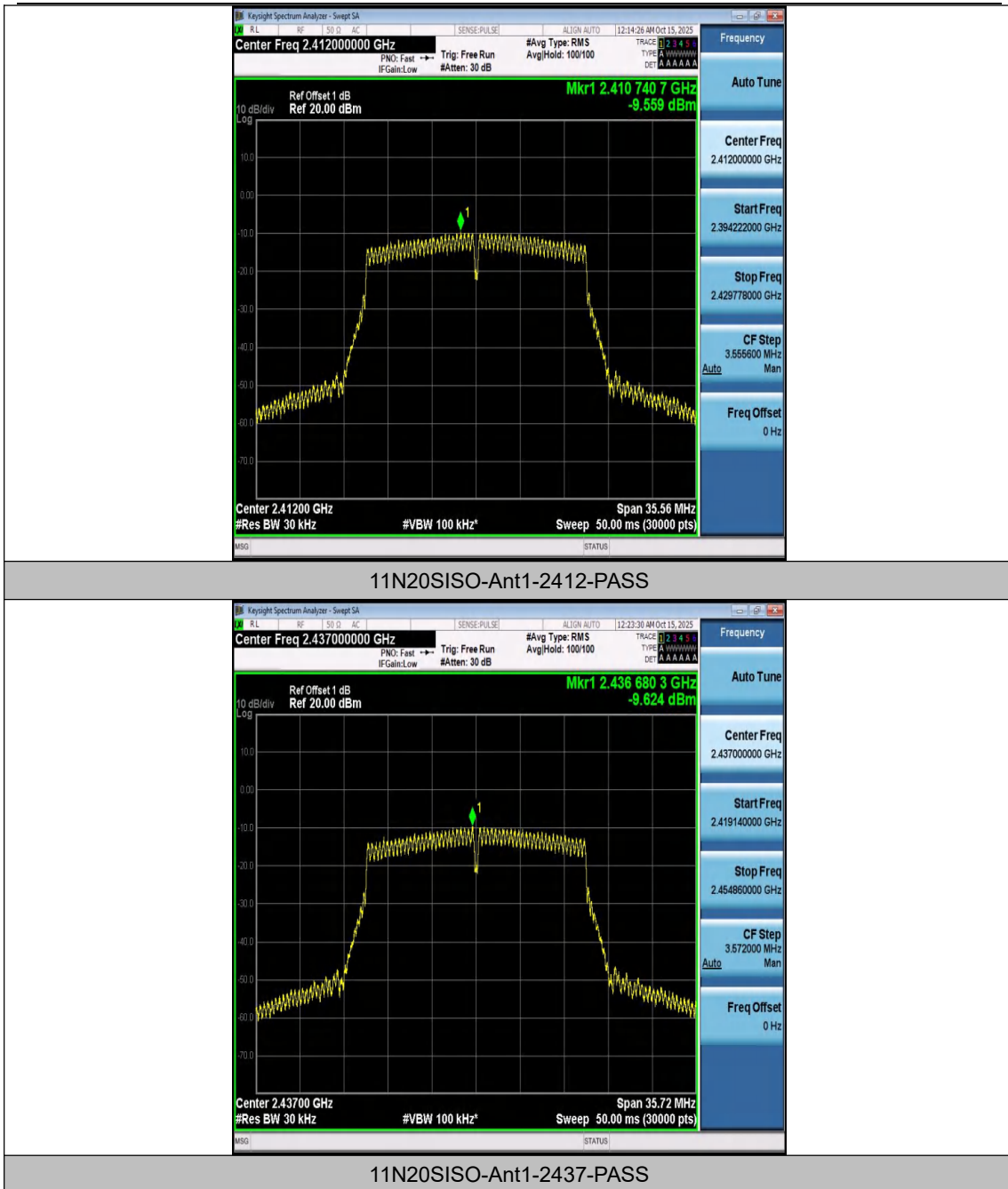
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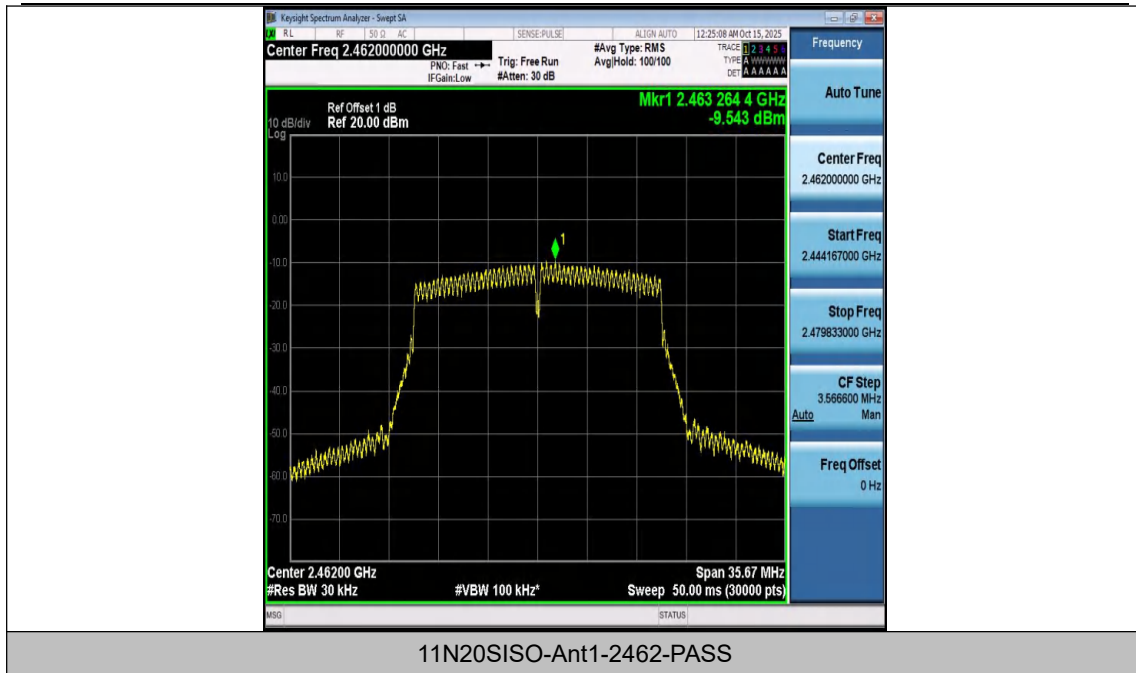
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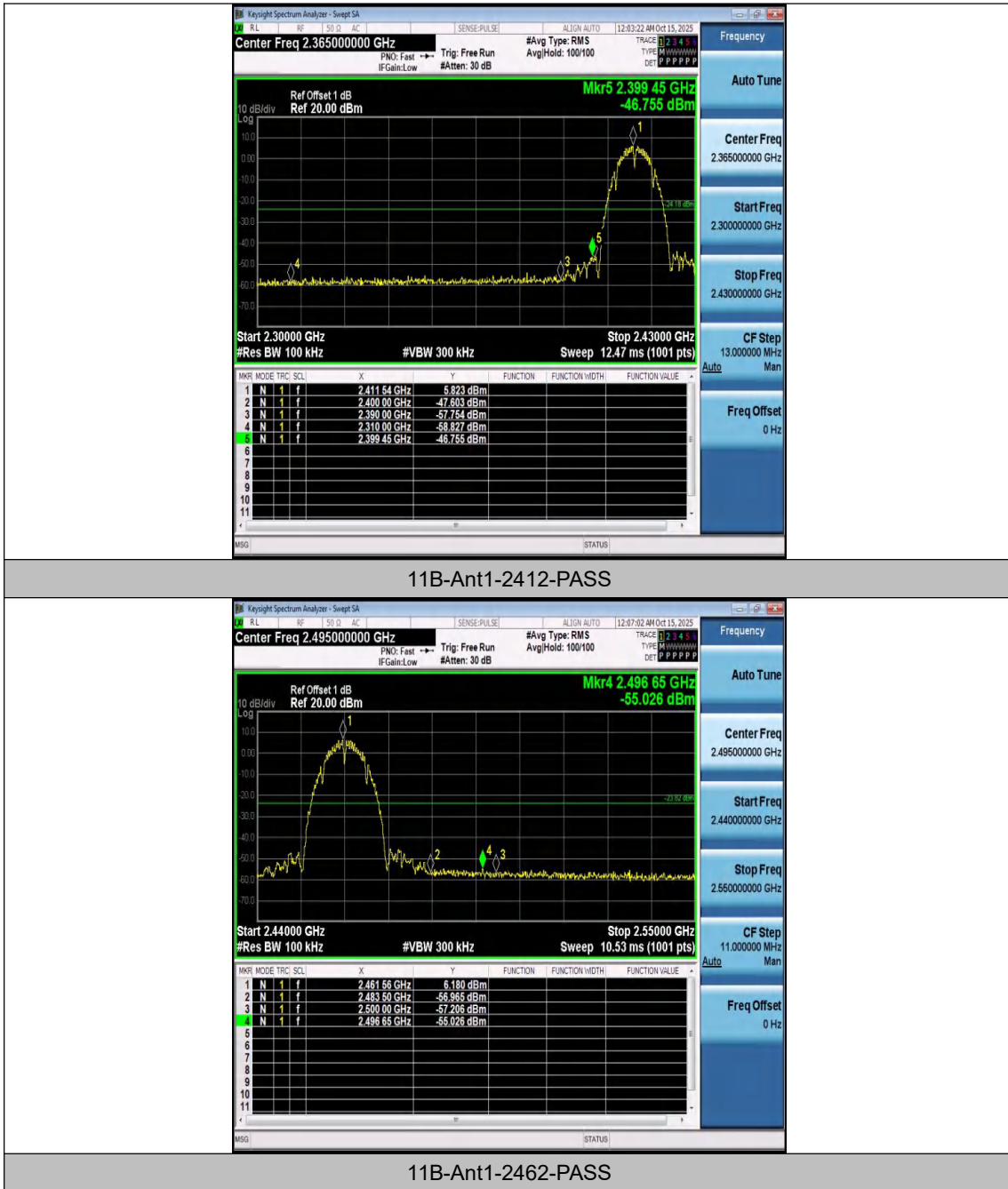
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.82	-46.76	≤ -24.18	PASS
11B	Ant1	High	2462	6.18	-55.03	≤ -23.82	PASS
11G	Ant1	Low	2412	1.05	-33.49	≤ -28.95	PASS
11G	Ant1	High	2462	0.30	-48.18	≤ -29.7	PASS
11N20SISO	Ant1	Low	2412	0.86	-34.5	≤ -29.15	PASS
11N20SISO	Ant1	High	2462	0.47	-46.39	≤ -29.54	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.

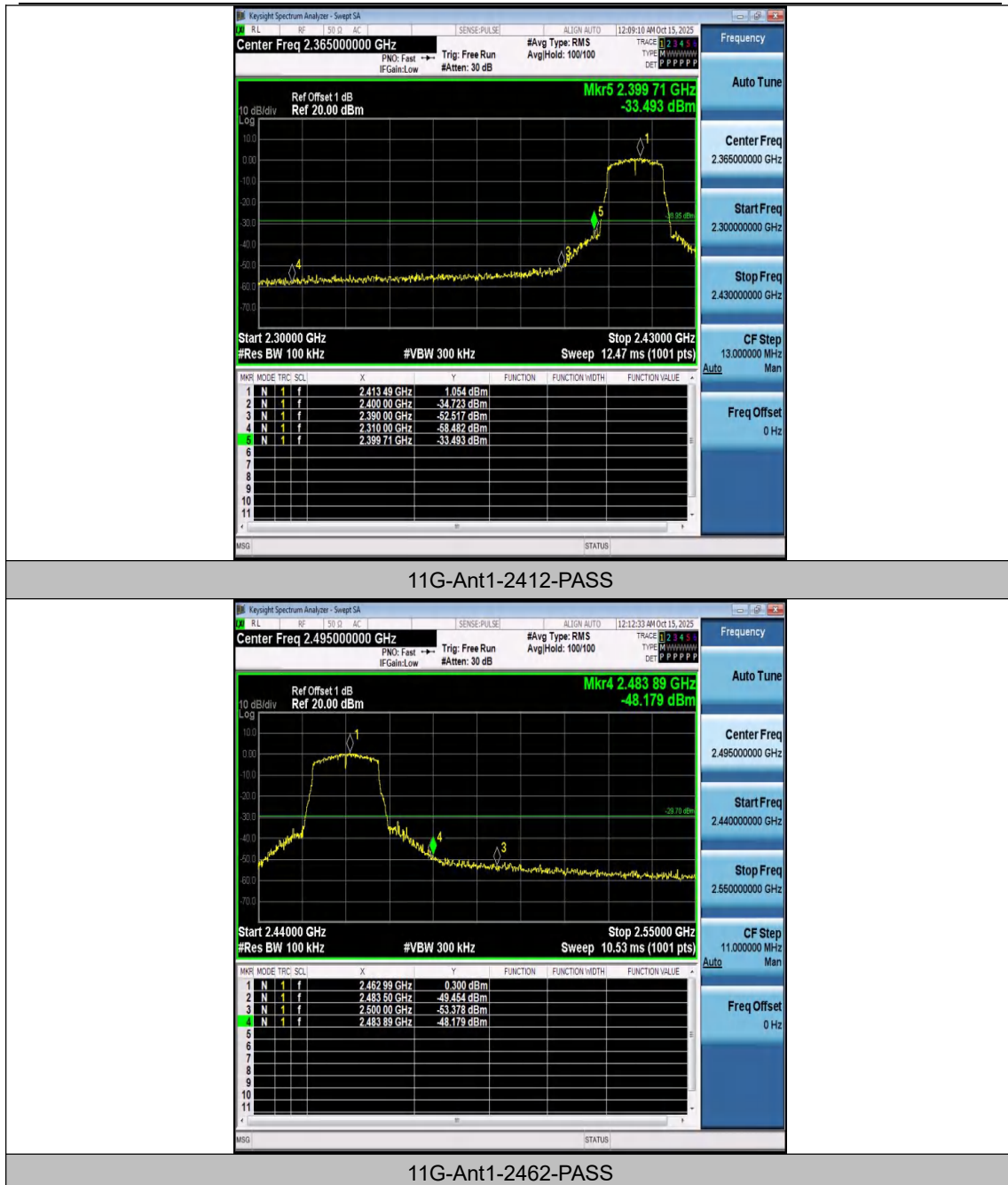
Test Graphs

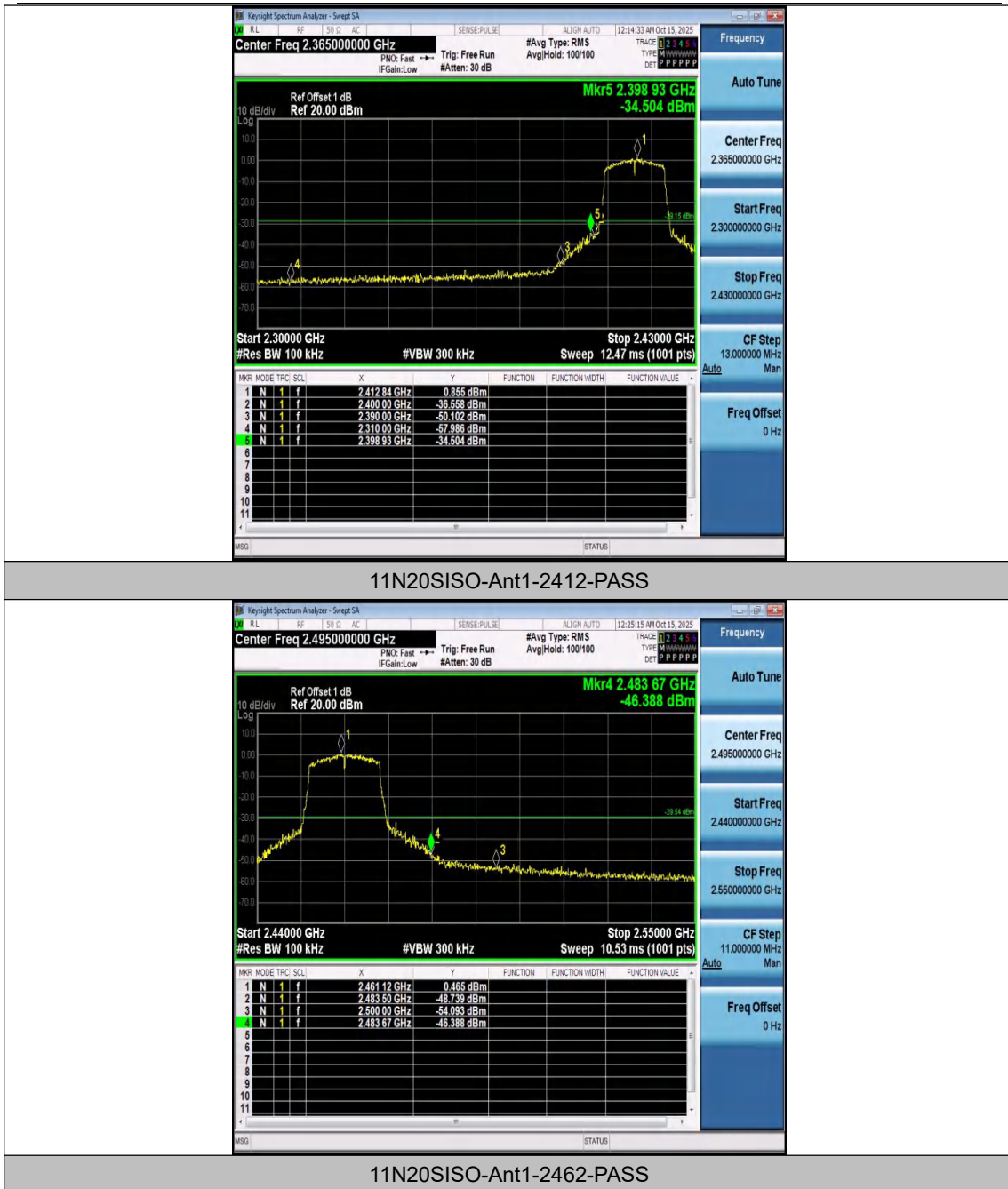


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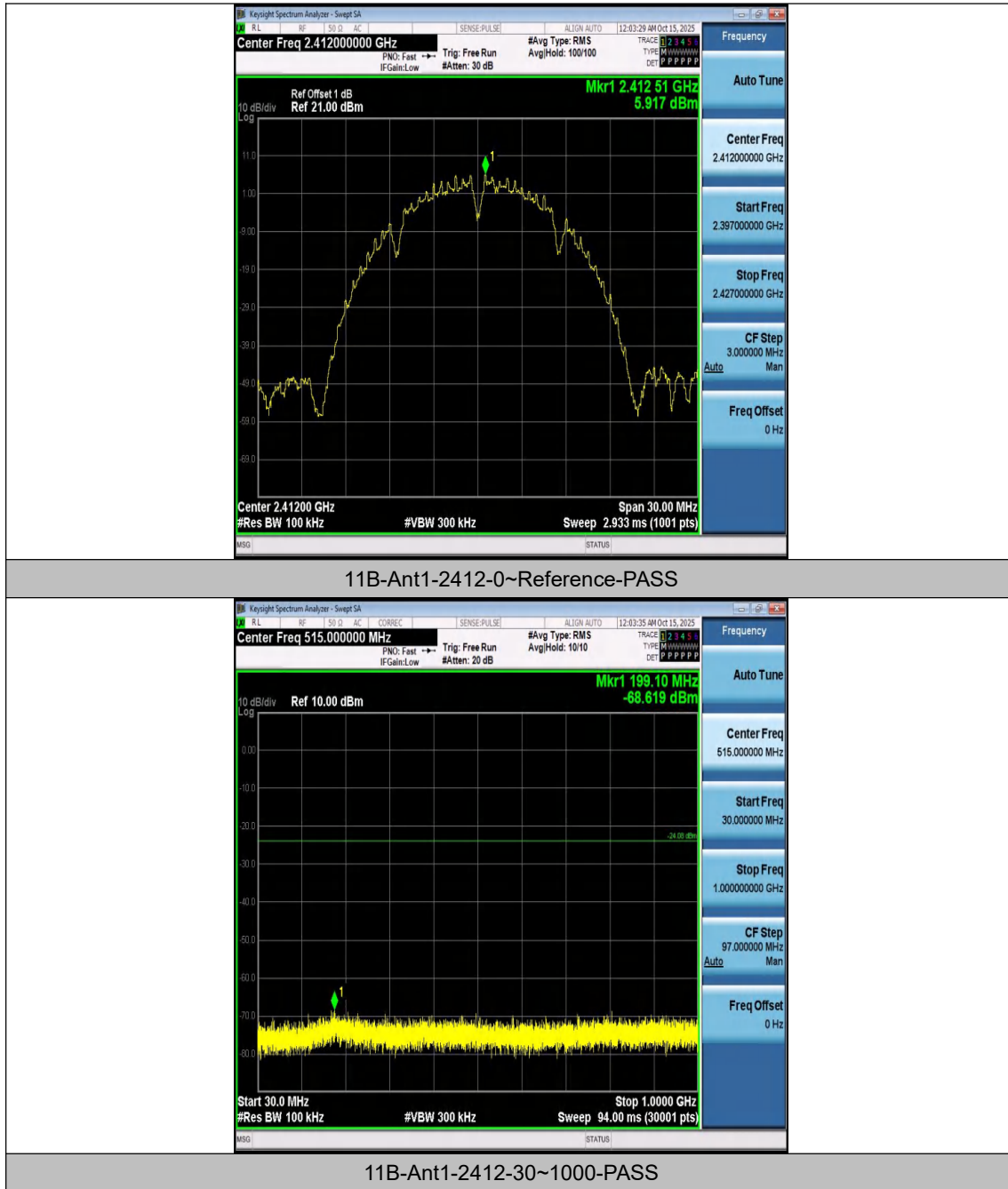
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.92	5.92	---	PASS
11B	Ant1	2412	30~1000	5.92	-68.62	≤-24.08	PASS
11B	Ant1	2412	1000~26500	5.92	-46.97	≤-24.08	PASS
11B	Ant1	2437	0~Reference	6.27	6.27	---	PASS
11B	Ant1	2437	30~1000	6.27	-68.65	≤-23.73	PASS
11B	Ant1	2437	1000~26500	6.27	-48.77	≤-23.73	PASS
11B	Ant1	2462	0~Reference	6.08	6.08	---	PASS
11B	Ant1	2462	30~1000	6.08	-68.61	≤-23.92	PASS
11B	Ant1	2462	1000~26500	6.08	-51.51	≤-23.92	PASS
11G	Ant1	2412	0~Reference	0.73	0.73	---	PASS
11G	Ant1	2412	30~1000	0.73	-67.86	≤-29.27	PASS
11G	Ant1	2412	1000~26500	0.73	-52.64	≤-29.27	PASS
11G	Ant1	2437	0~Reference	0.89	0.89	---	PASS
11G	Ant1	2437	30~1000	0.89	-68.41	≤-29.11	PASS
11G	Ant1	2437	1000~26500	0.89	-52.85	≤-29.11	PASS
11G	Ant1	2462	0~Reference	1.05	1.05	---	PASS
11G	Ant1	2462	30~1000	1.05	-68.18	≤-28.95	PASS
11G	Ant1	2462	1000~26500	1.05	-53.42	≤-28.95	PASS
11N20SISO	Ant1	2412	0~Reference	1.00	1.00	---	PASS
11N20SISO	Ant1	2412	30~1000	1.00	-68.58	≤-29	PASS
11N20SISO	Ant1	2412	1000~26500	1.00	-52.37	≤-29	PASS
11N20SISO	Ant1	2437	0~Reference	0.58	0.58	---	PASS
11N20SISO	Ant1	2437	30~1000	0.58	-68.53	≤-29.42	PASS
11N20SISO	Ant1	2437	1000~26500	0.58	-53.56	≤-29.42	PASS
11N20SISO	Ant1	2462	0~Reference	0.12	0.12	---	PASS
11N20SISO	Ant1	2462	30~1000	0.12	-68.85	≤-29.88	PASS
11N20SISO	Ant1	2462	1000~26500	0.12	-53.69	≤-29.88	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.

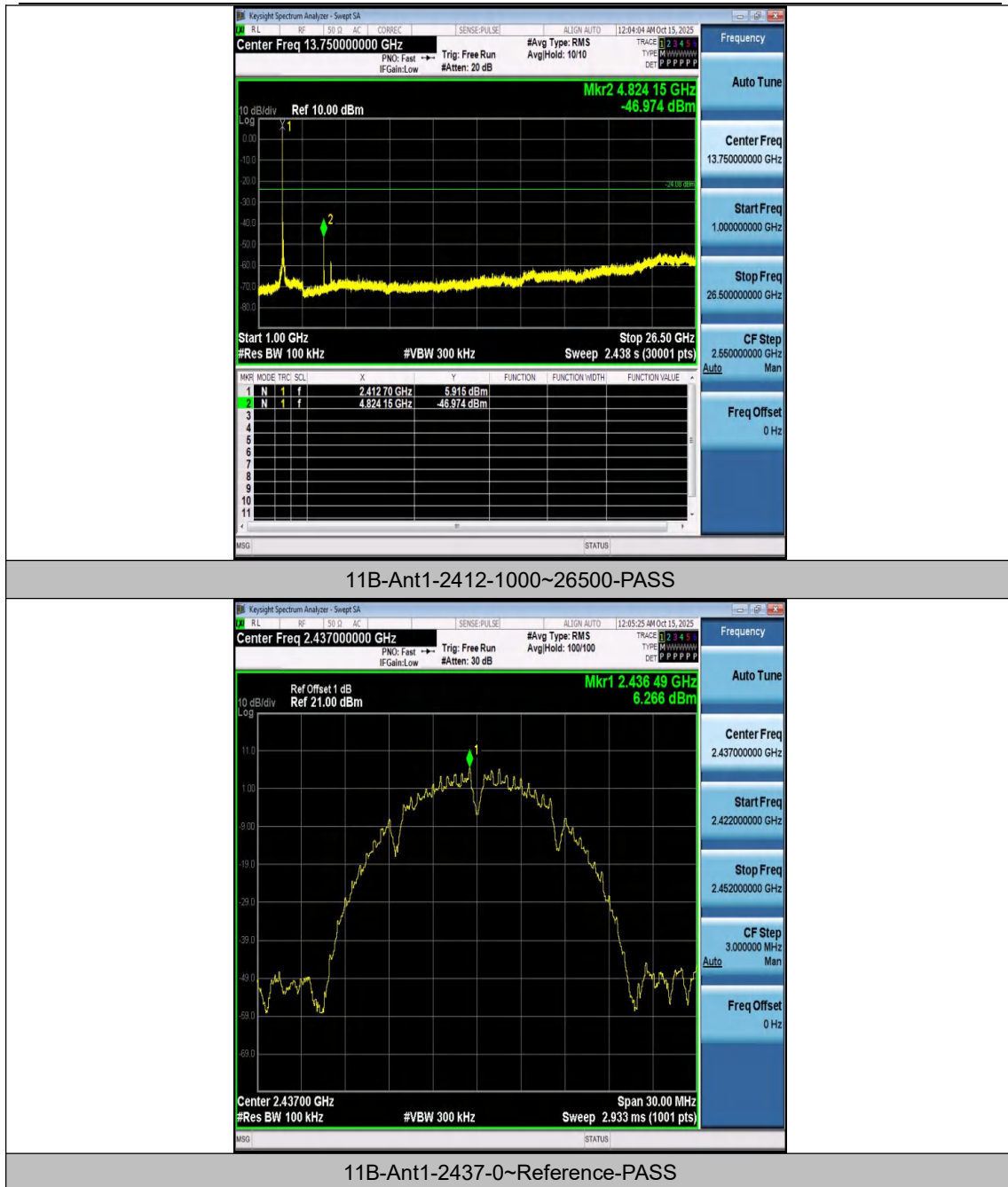
Test Graphs



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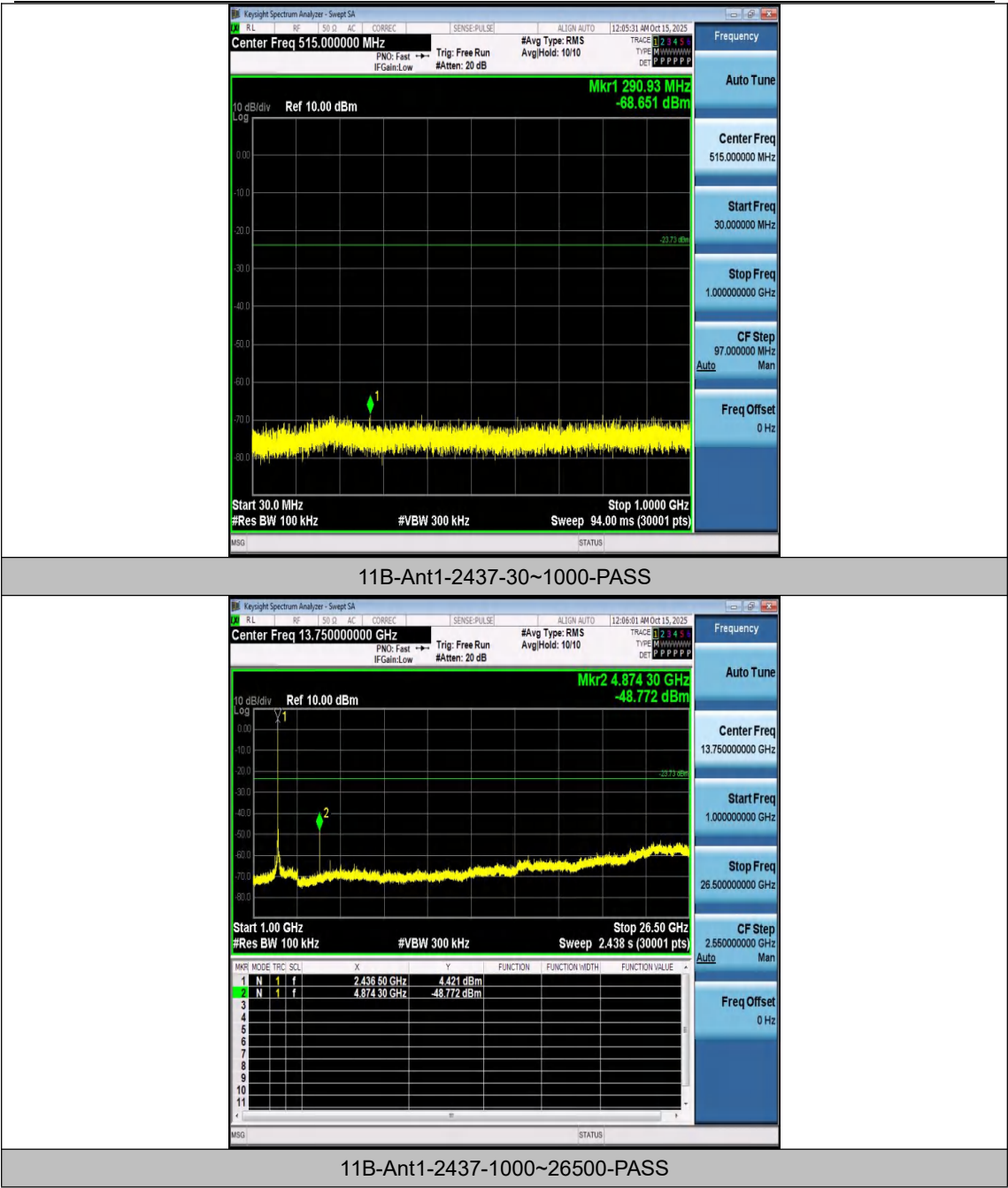
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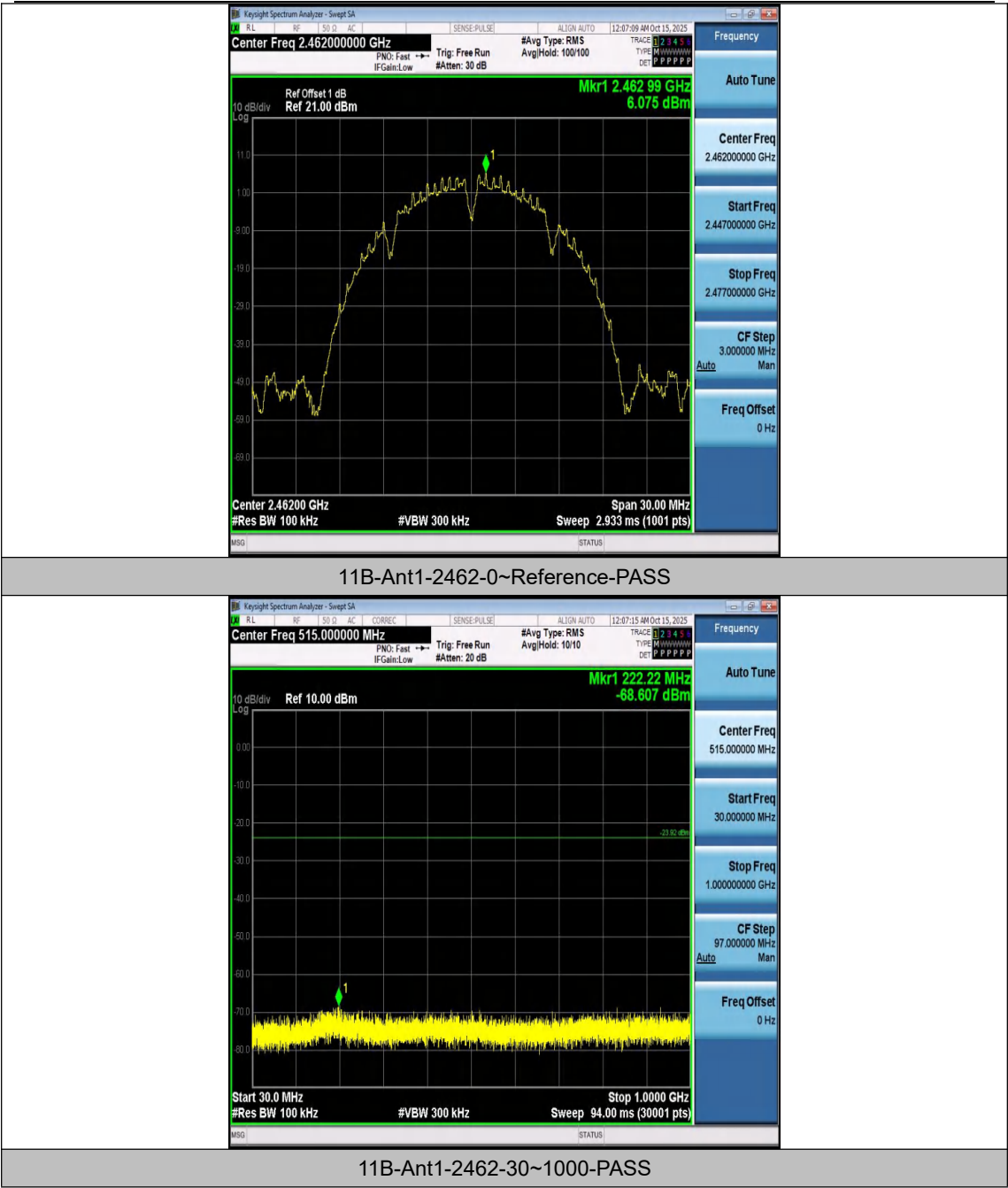


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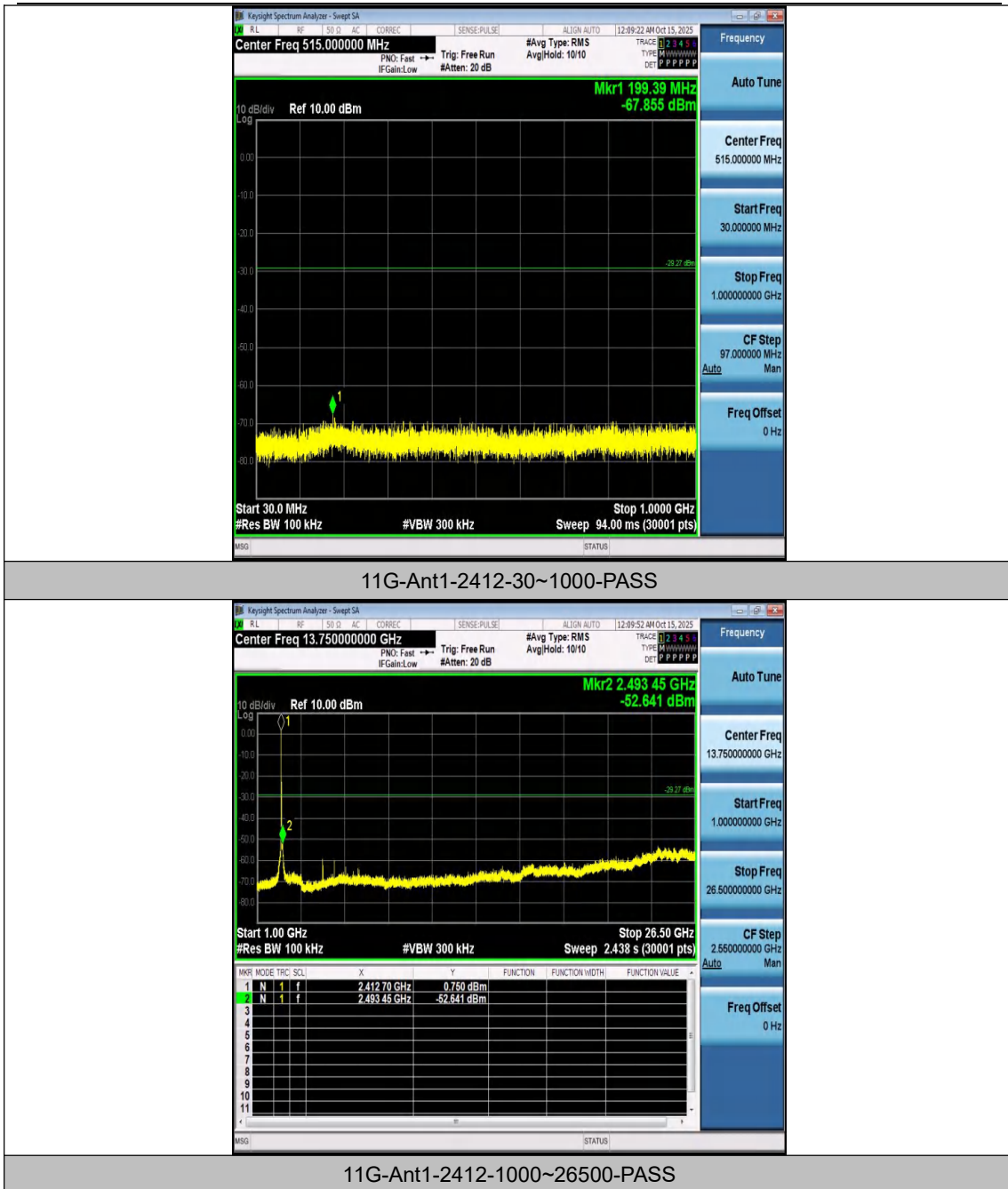
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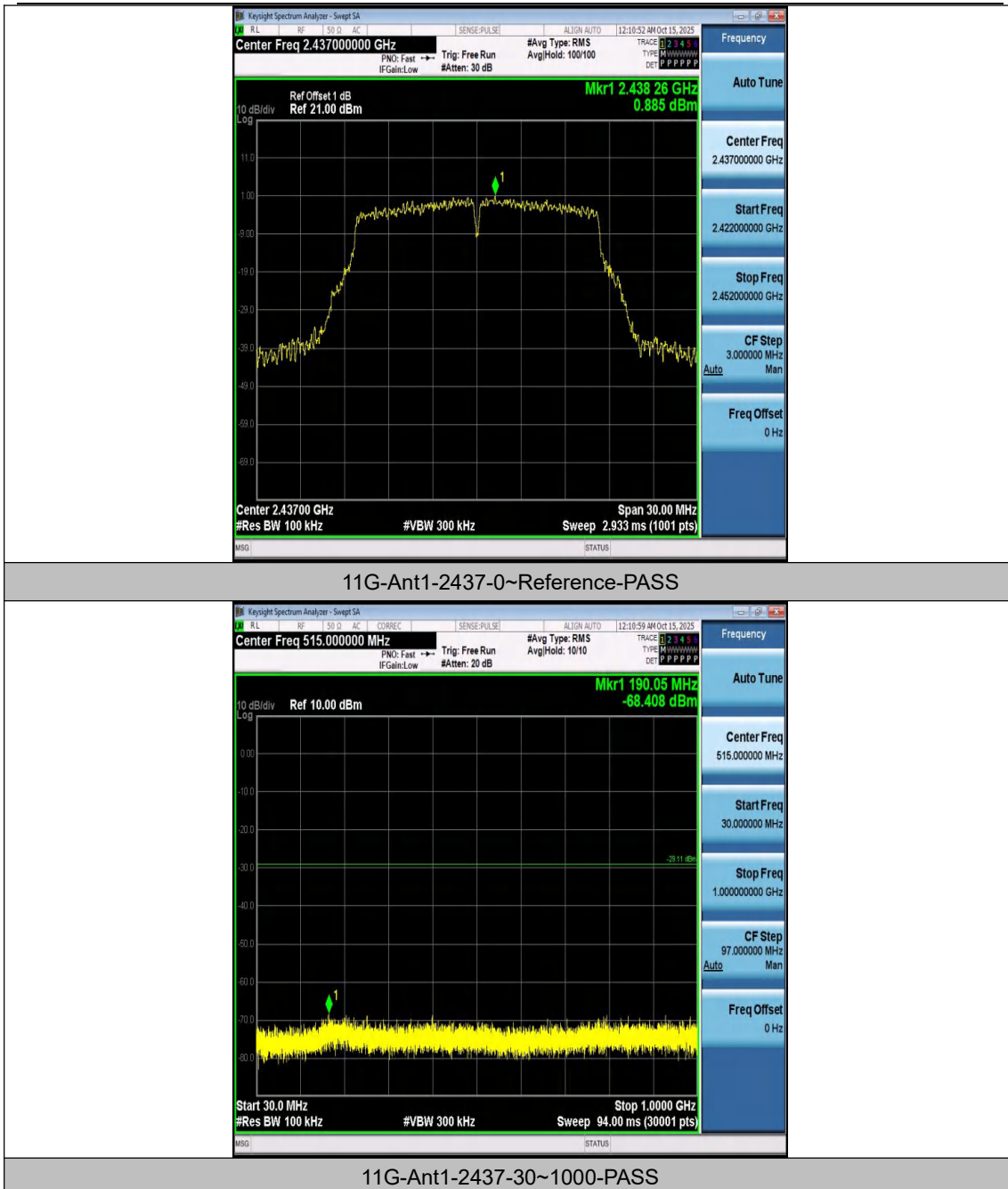
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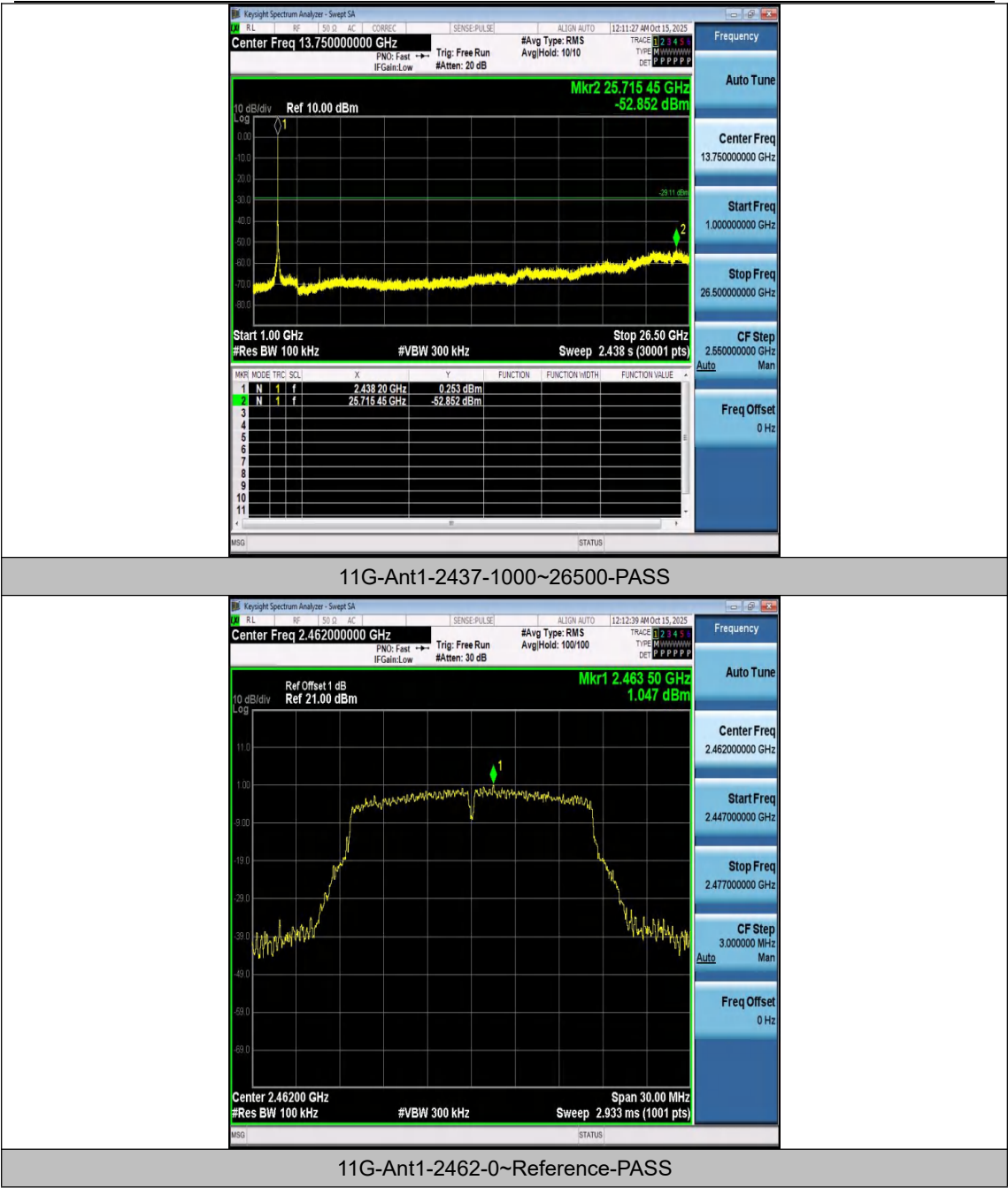
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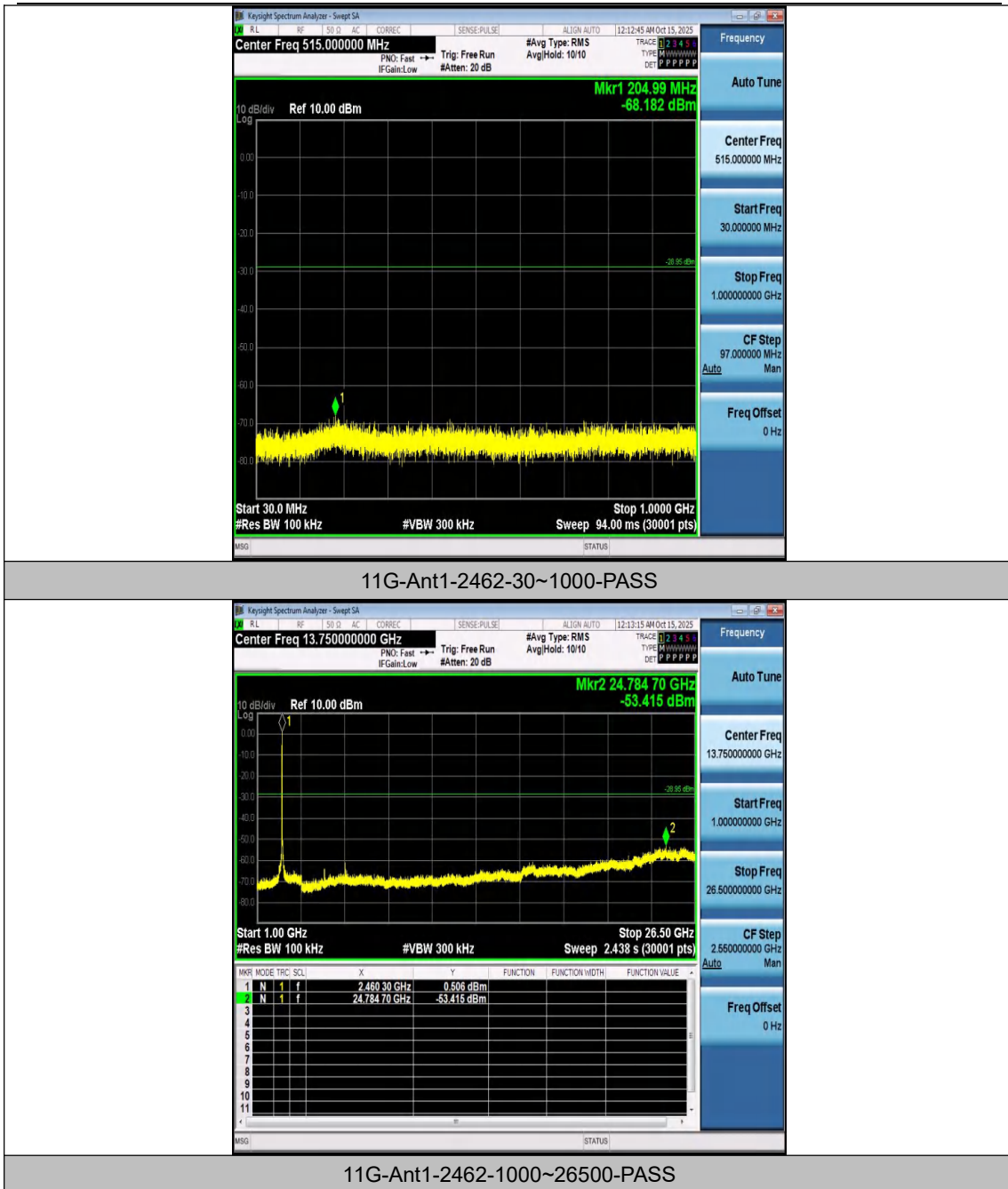


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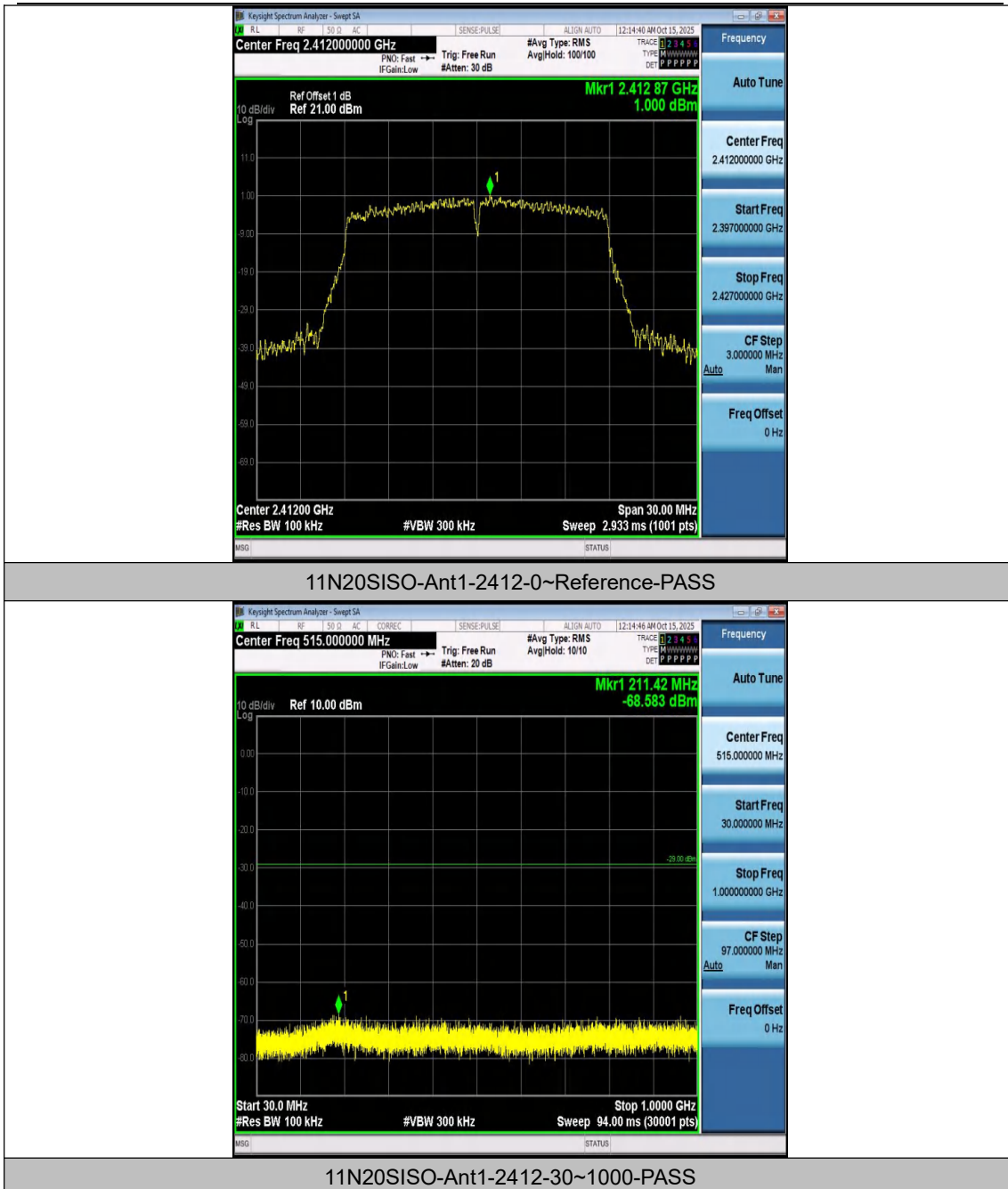




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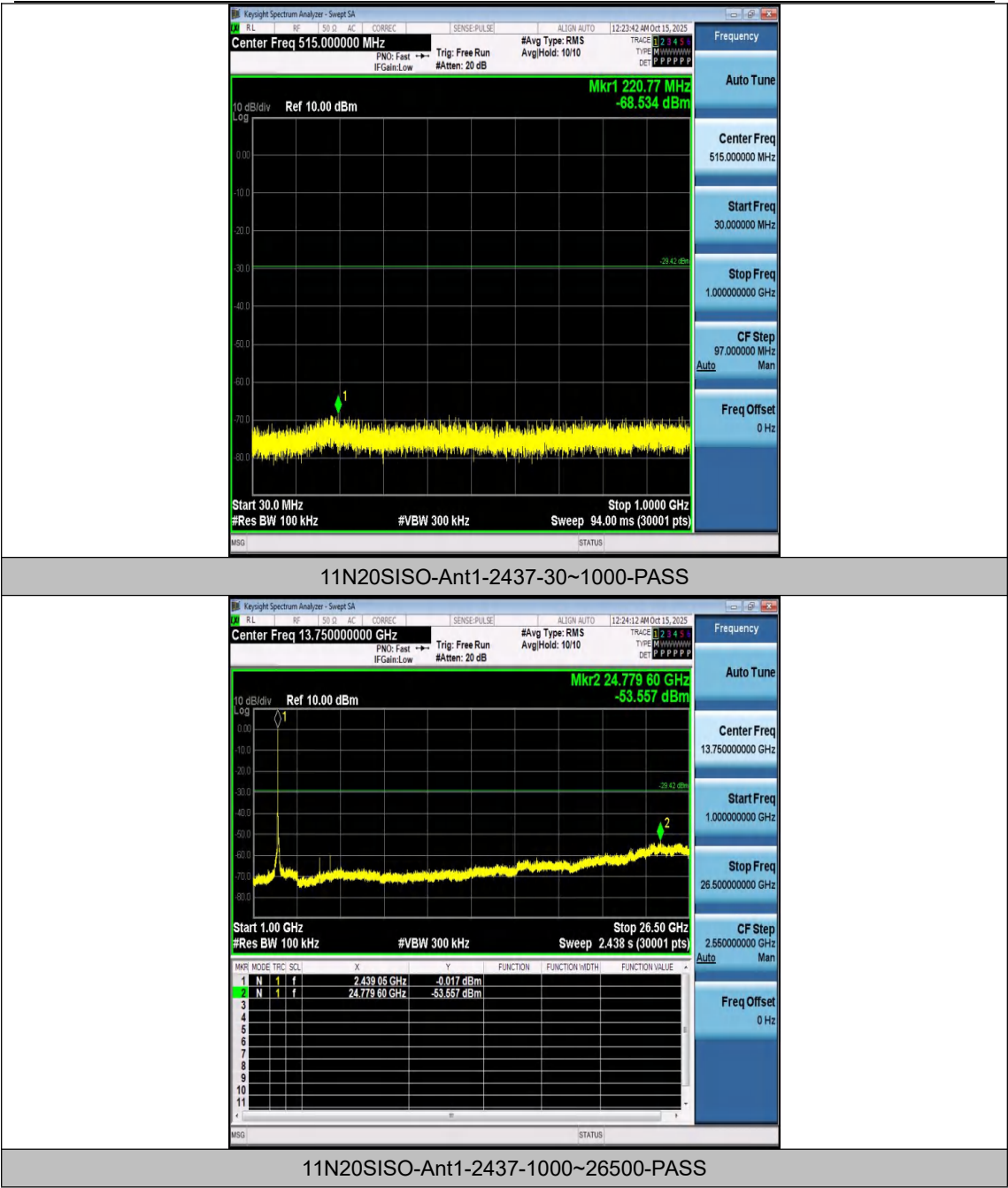


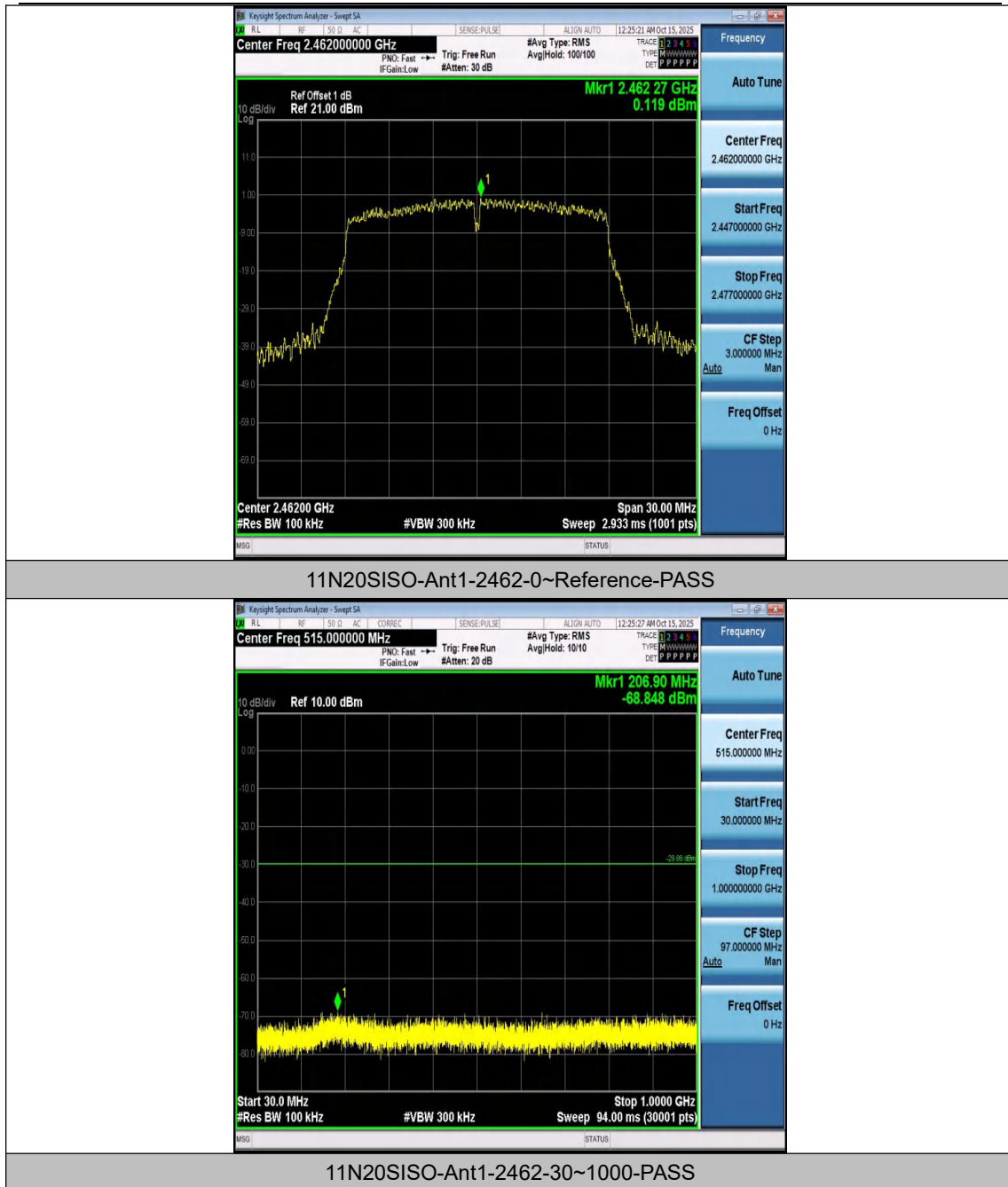
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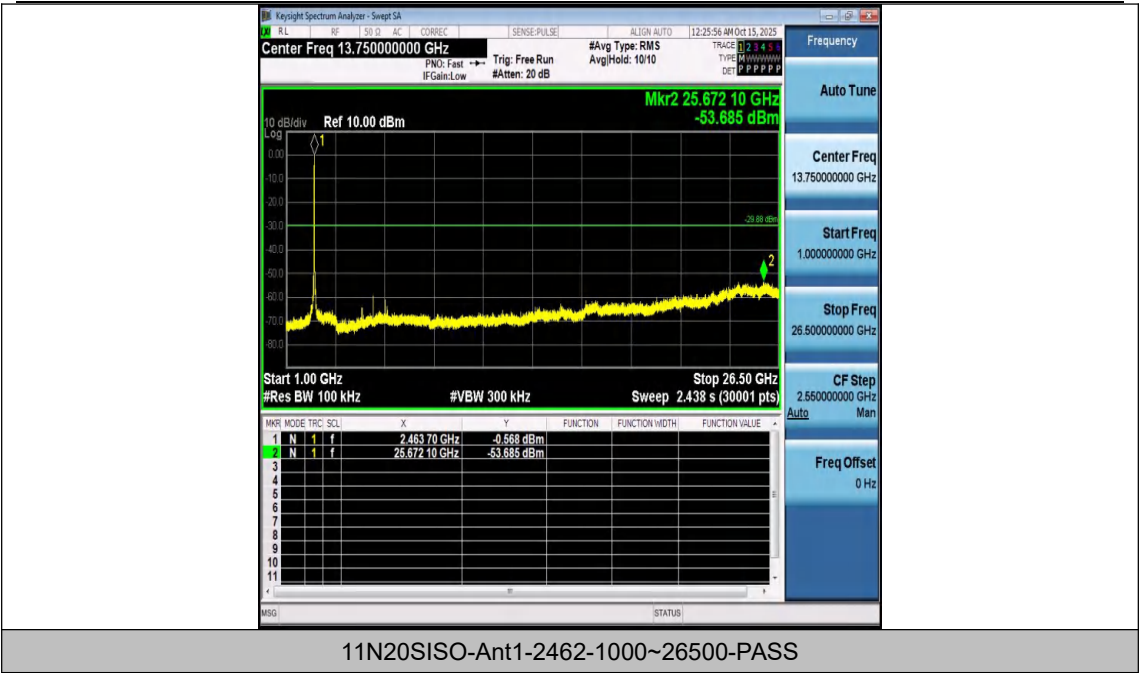




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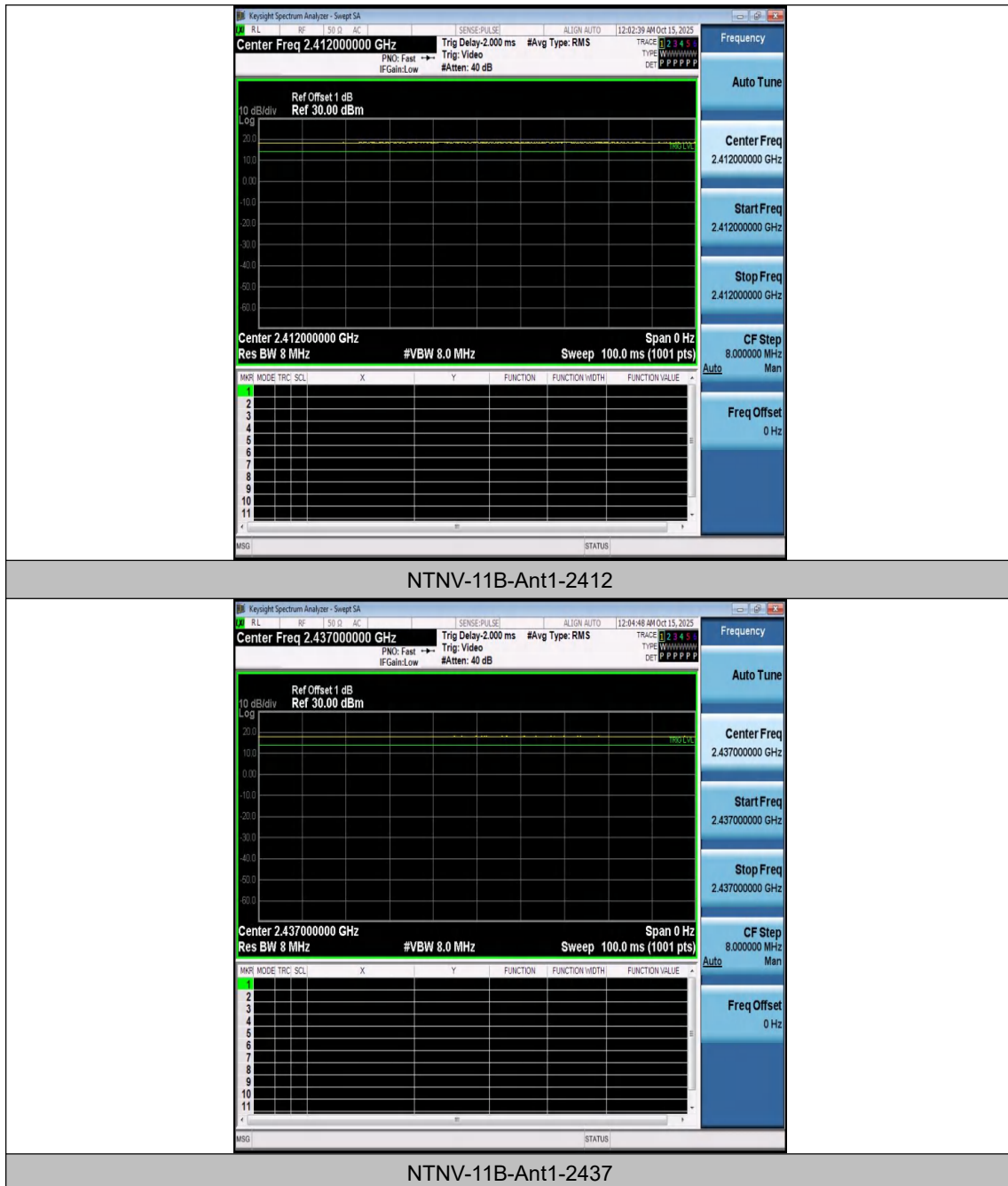
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Appendix G: Duty Cycle

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

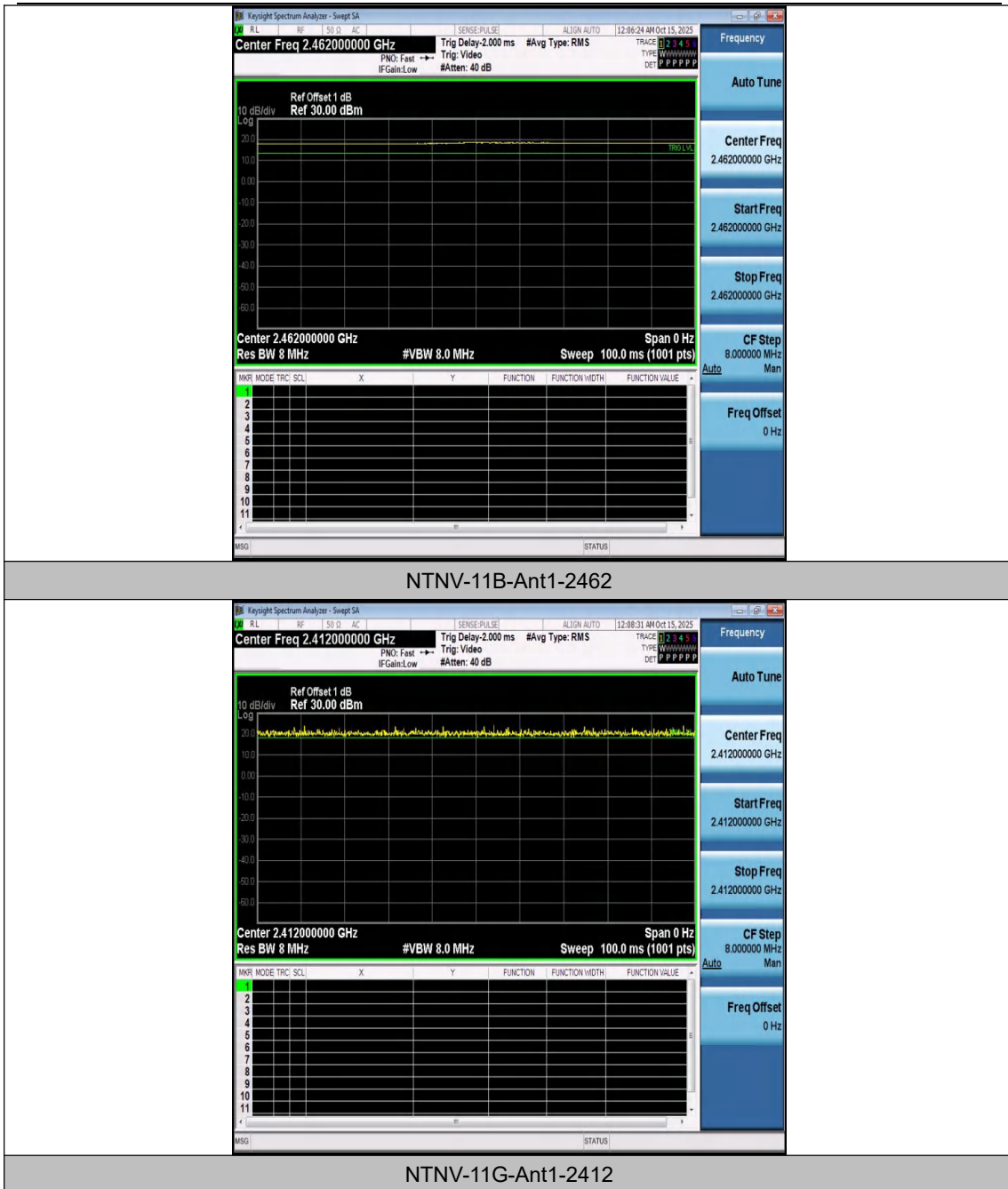
Test Graphs



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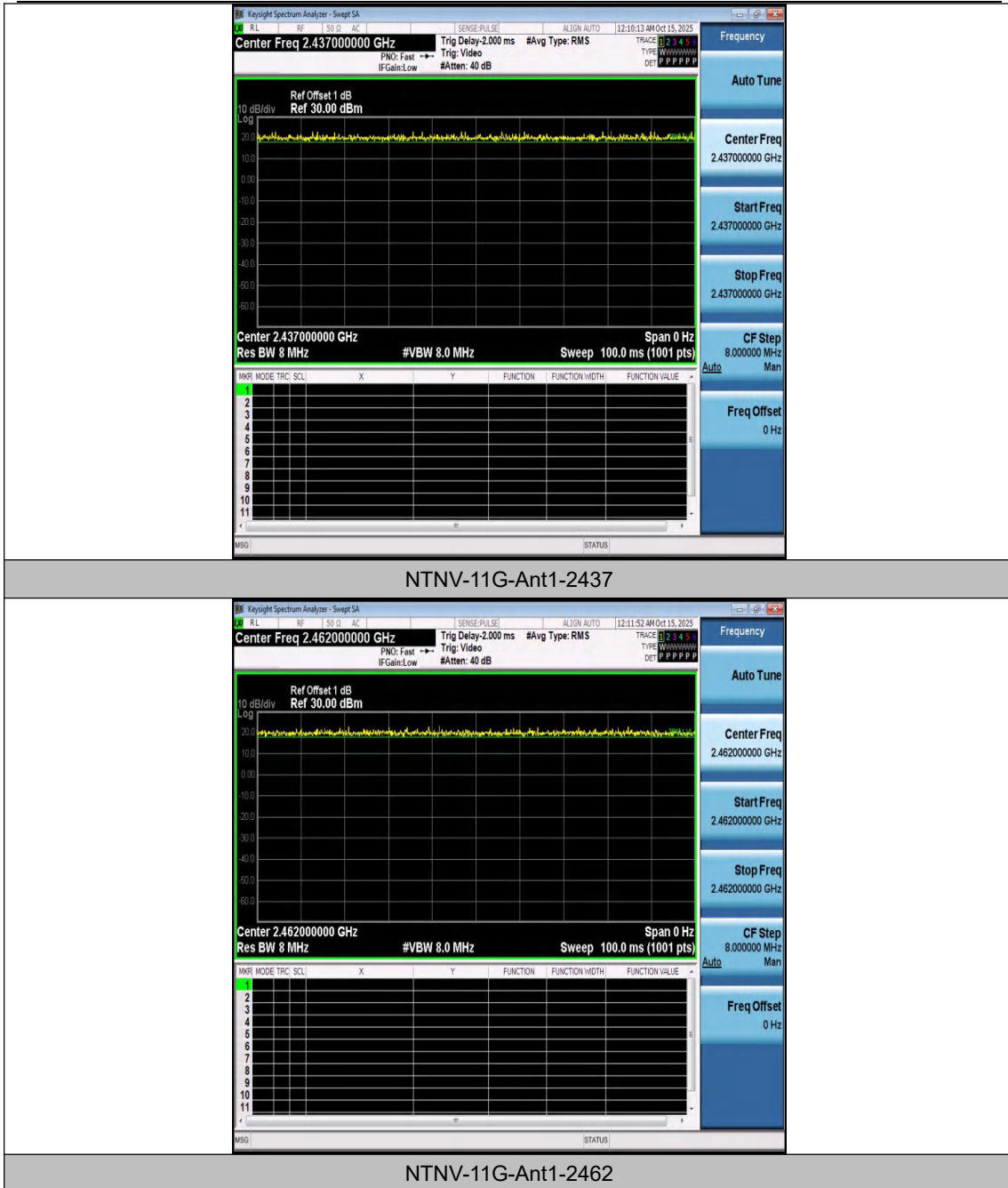
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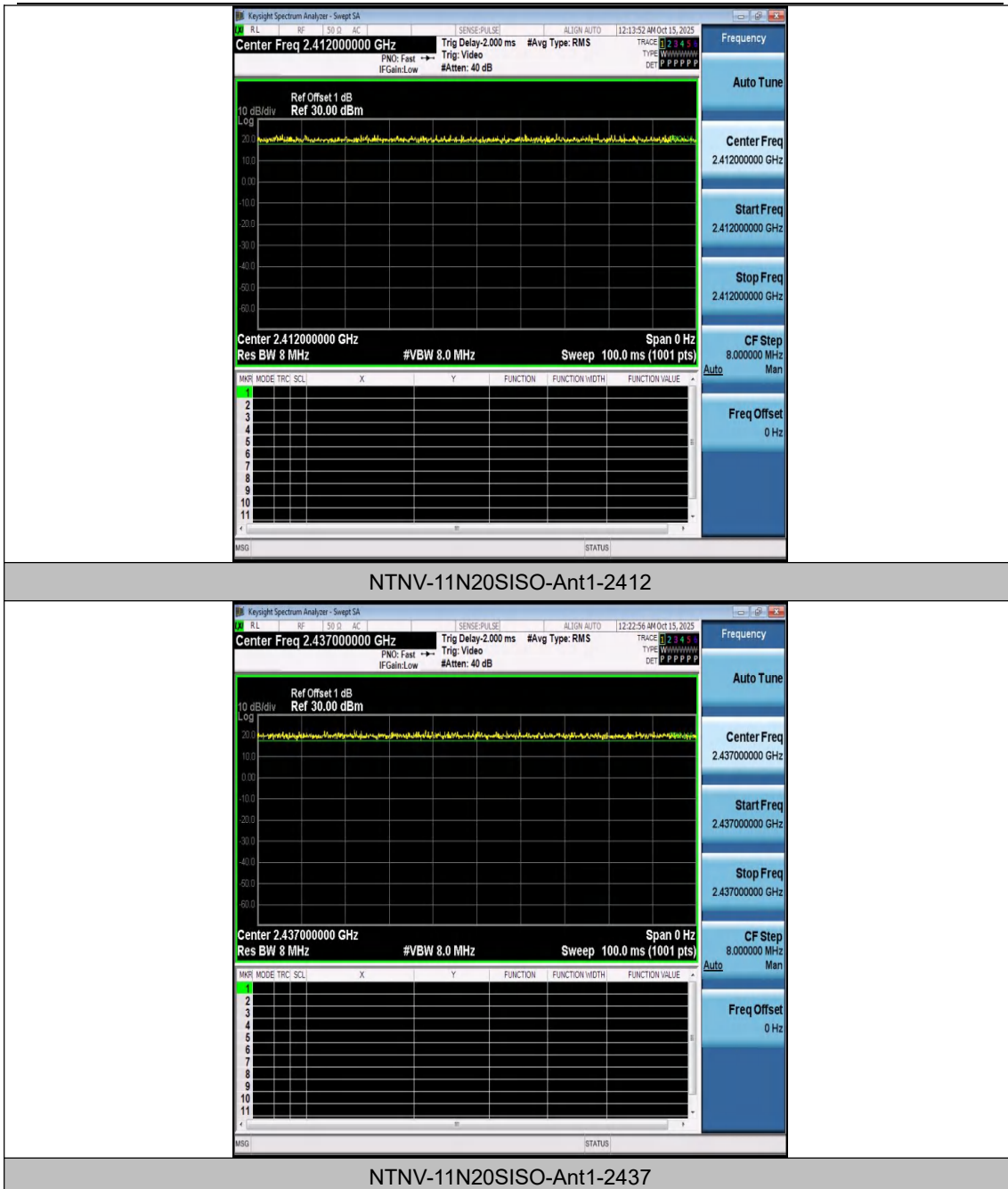
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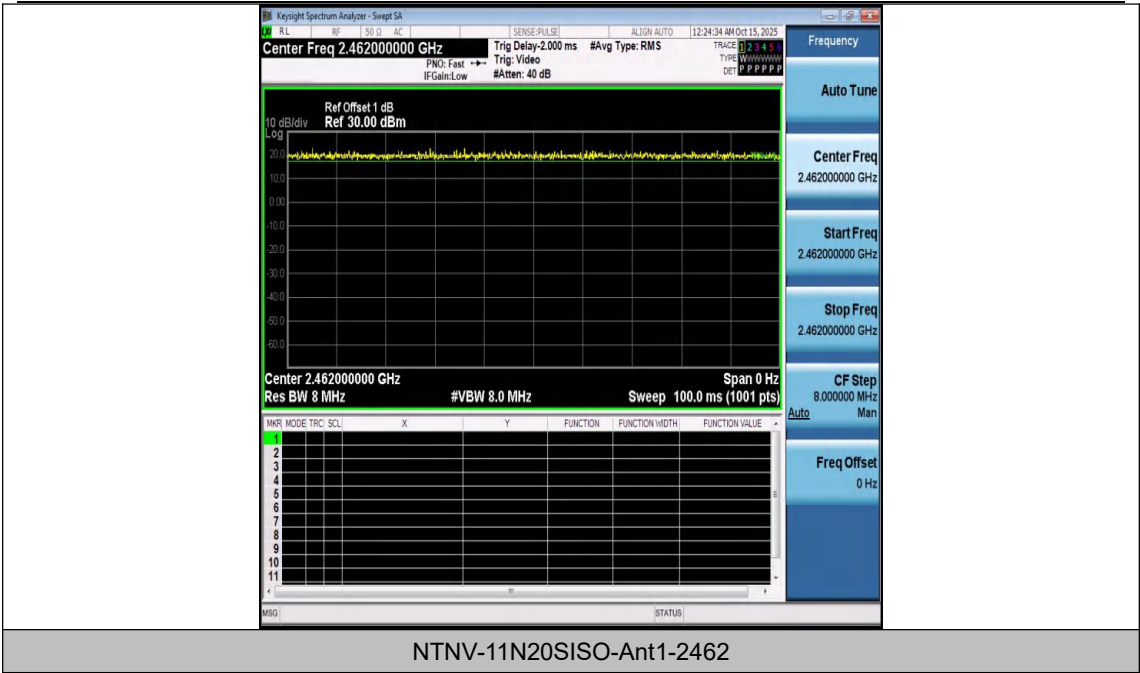
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