

Appendix Test Data

Report No.:	1812C50133012503	Test Sample No.:	1-2-2
Start Test Date:	2025-04-18	Finish Test Date:	2025-04-18
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26°C	Relative Humidity:	48%
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	10.240	2406.880	2417.120	0.5	PASS
11B	Ant1	2437	10.200	2431.920	2442.120	0.5	PASS
11B	Ant1	2462	10.240	2456.880	2467.120	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
11G	Ant1	2437	16.160	2428.840	2445.000	0.5	PASS
11G	Ant1	2462	16.000	2454.120	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.160	2420.480	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.360	2445.680	0.5	PASS
11N20SISO	Ant1	2462	17.360	2453.360	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.160	2439.840	0.5	PASS
11N40SISO	Ant1	2437	35.520	2419.320	2454.840	0.5	PASS
11N40SISO	Ant1	2452	35.760	2434.160	2469.920	0.5	PASS

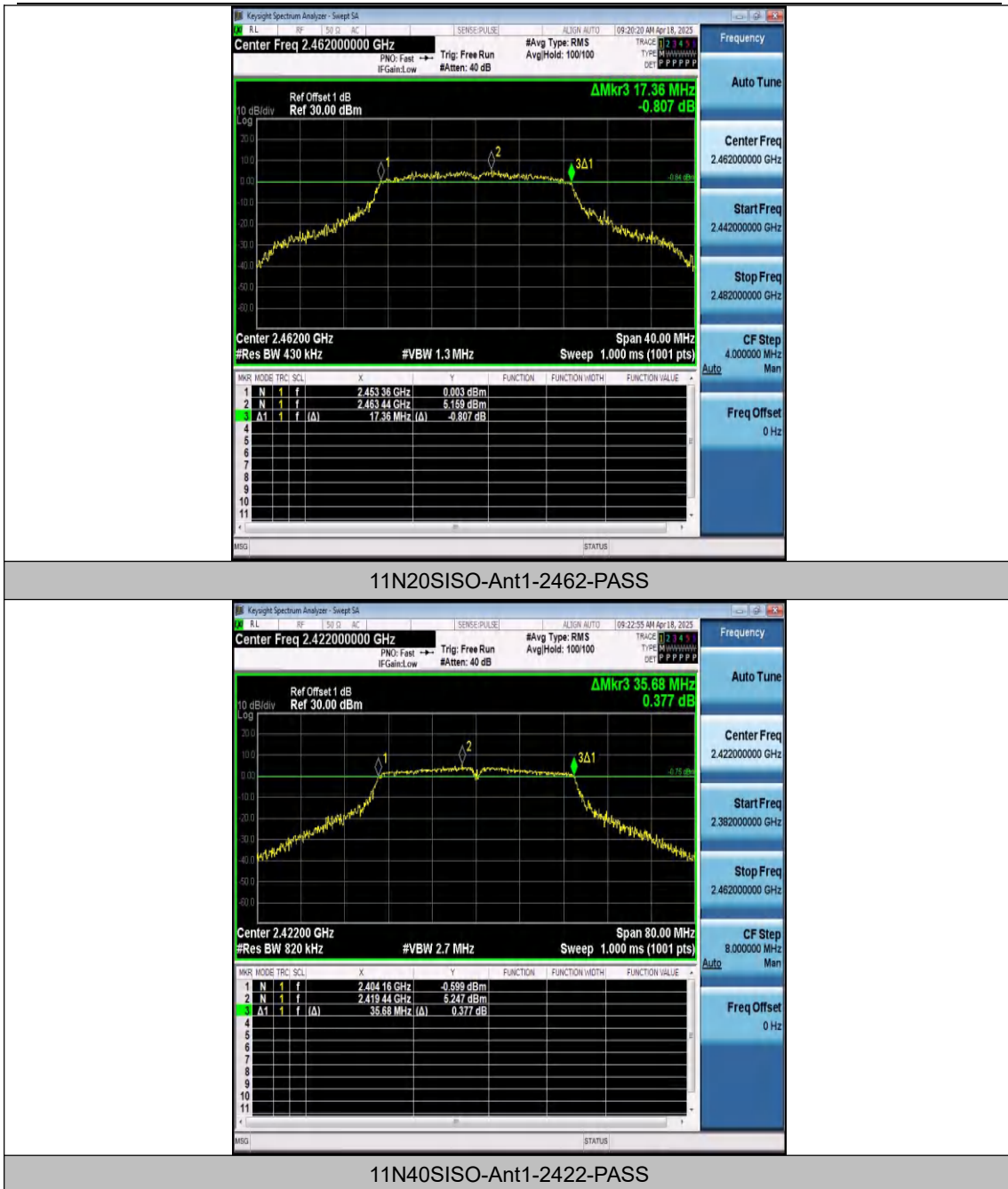
Test Graphs

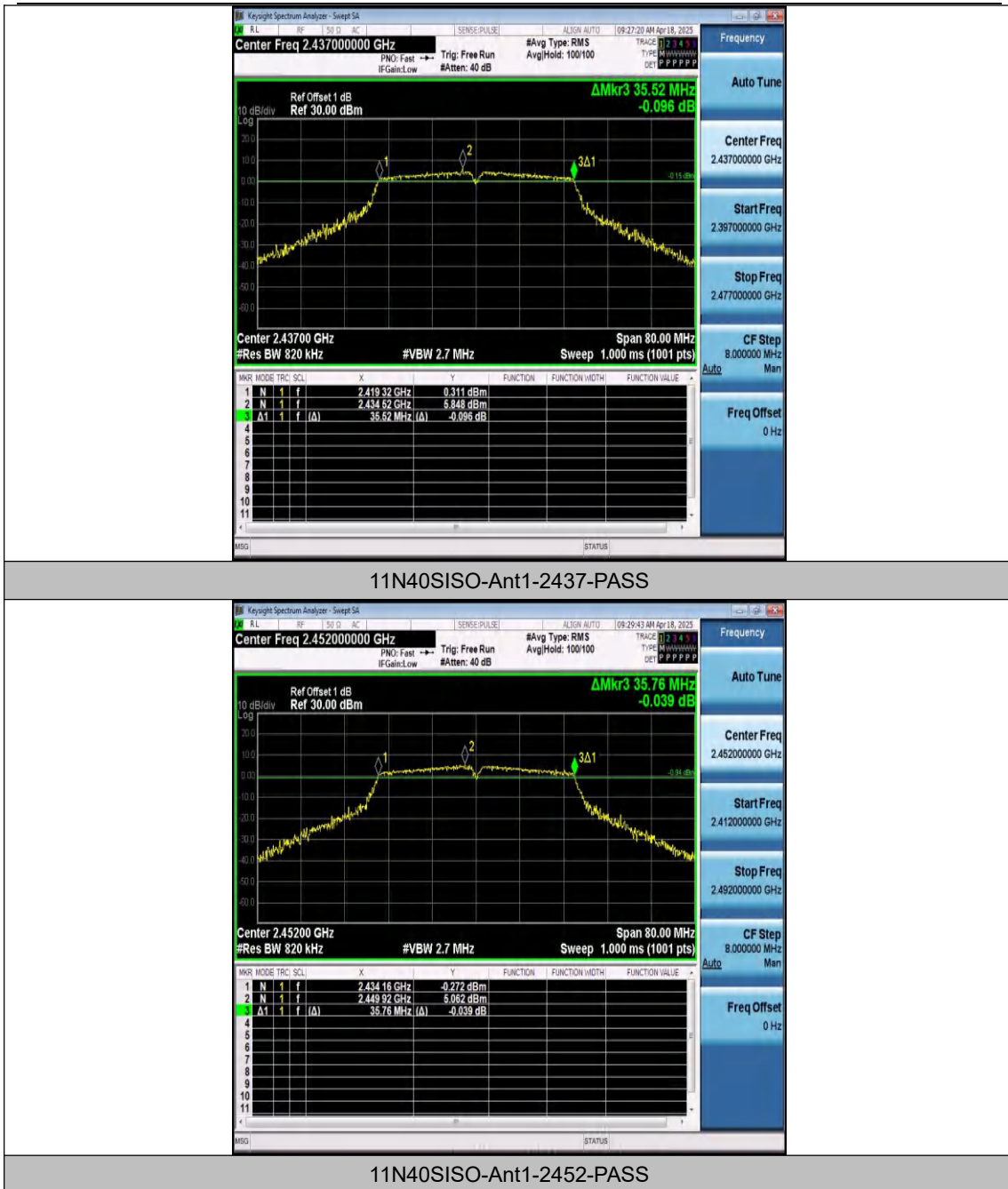












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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.178	2404.3969	2419.5749	---	---
11B	Ant1	2437	15.167	2429.4462	2444.6132	---	---
11B	Ant1	2462	15.148	2454.4238	2469.5718	---	---
11G	Ant1	2412	17.310	2403.3384	2420.6484	---	---
11G	Ant1	2437	17.217	2428.4317	2445.6487	---	---
11G	Ant1	2462	17.231	2453.3785	2470.6095	---	---
11N20SISO	Ant1	2412	18.484	2402.6794	2421.1634	---	---
11N20SISO	Ant1	2437	18.404	2427.8003	2446.2043	---	---
11N20SISO	Ant1	2462	18.474	2452.7489	2471.2229	---	---
11N40SISO	Ant1	2422	37.210	2403.4086	2440.6186	---	---
11N40SISO	Ant1	2437	36.981	2418.5124	2455.4934	---	---
11N40SISO	Ant1	2452	36.892	2433.5260	2470.4180	---	---

Test Graphs



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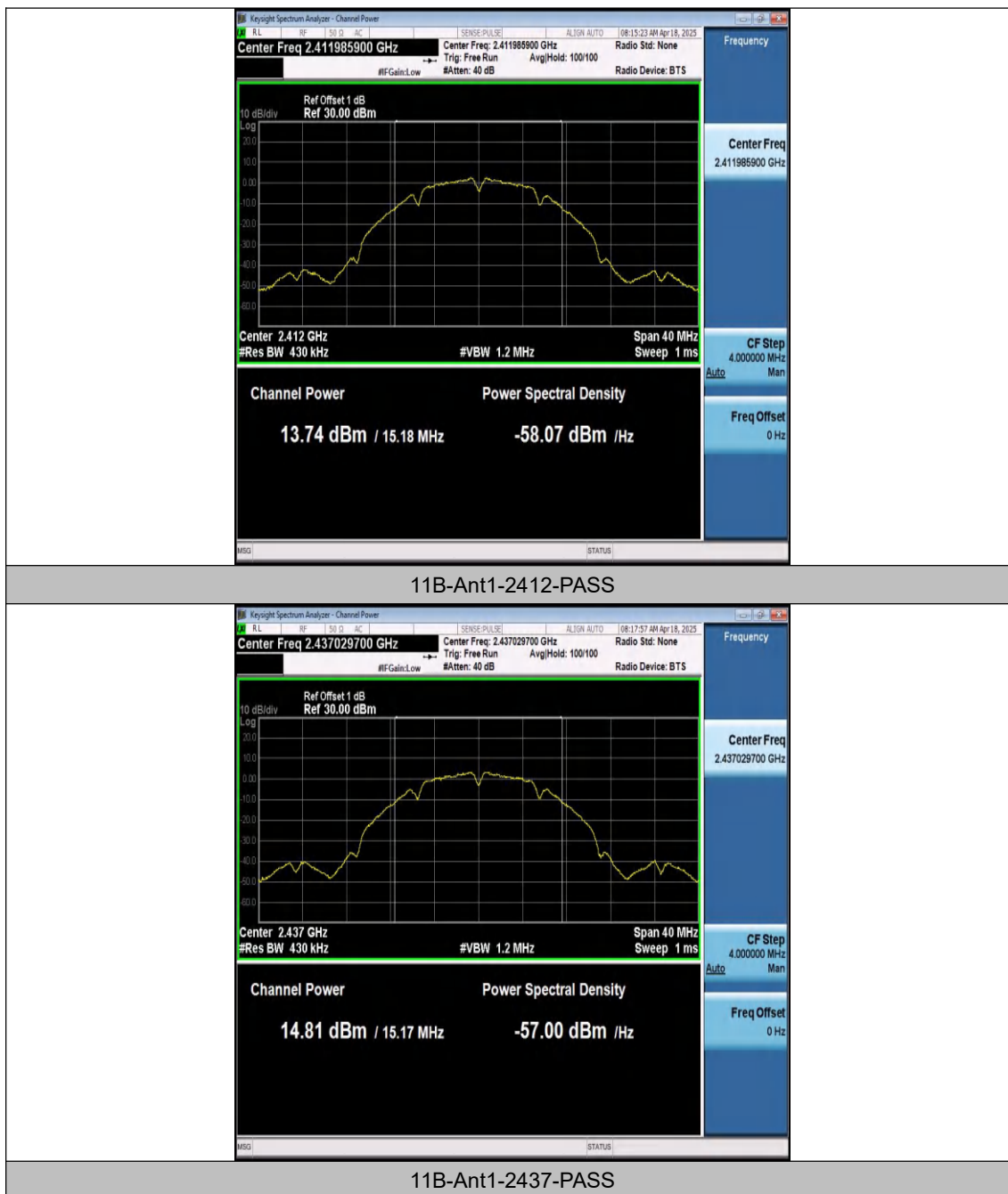
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.74	100.00	0.00	13.74	≤30.00	PASS
11B	Ant1	2437	14.81	100.00	0.00	14.81	≤30.00	PASS
11B	Ant1	2462	14.93	100.00	0.00	14.93	≤30.00	PASS
11G	Ant1	2412	13.46	92.73	0.33	13.79	≤30.00	PASS
11G	Ant1	2437	14.12	92.66	0.33	14.45	≤30.00	PASS
11G	Ant1	2462	14.08	92.66	0.33	14.41	≤30.00	PASS
11N20SISO	Ant1	2412	11.65	92.23	0.35	12.00	≤30.00	PASS
11N20SISO	Ant1	2437	12.05	92.16	0.35	12.40	≤30.00	PASS
11N20SISO	Ant1	2462	11.91	92.16	0.35	12.26	≤30.00	PASS
11N40SISO	Ant1	2422	11.15	83.93	0.76	11.91	≤30.00	PASS
11N40SISO	Ant1	2437	11.63	83.64	0.78	12.41	≤30.00	PASS
11N40SISO	Ant1	2452	11.54	83.93	0.76	12.30	≤30.00	PASS

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

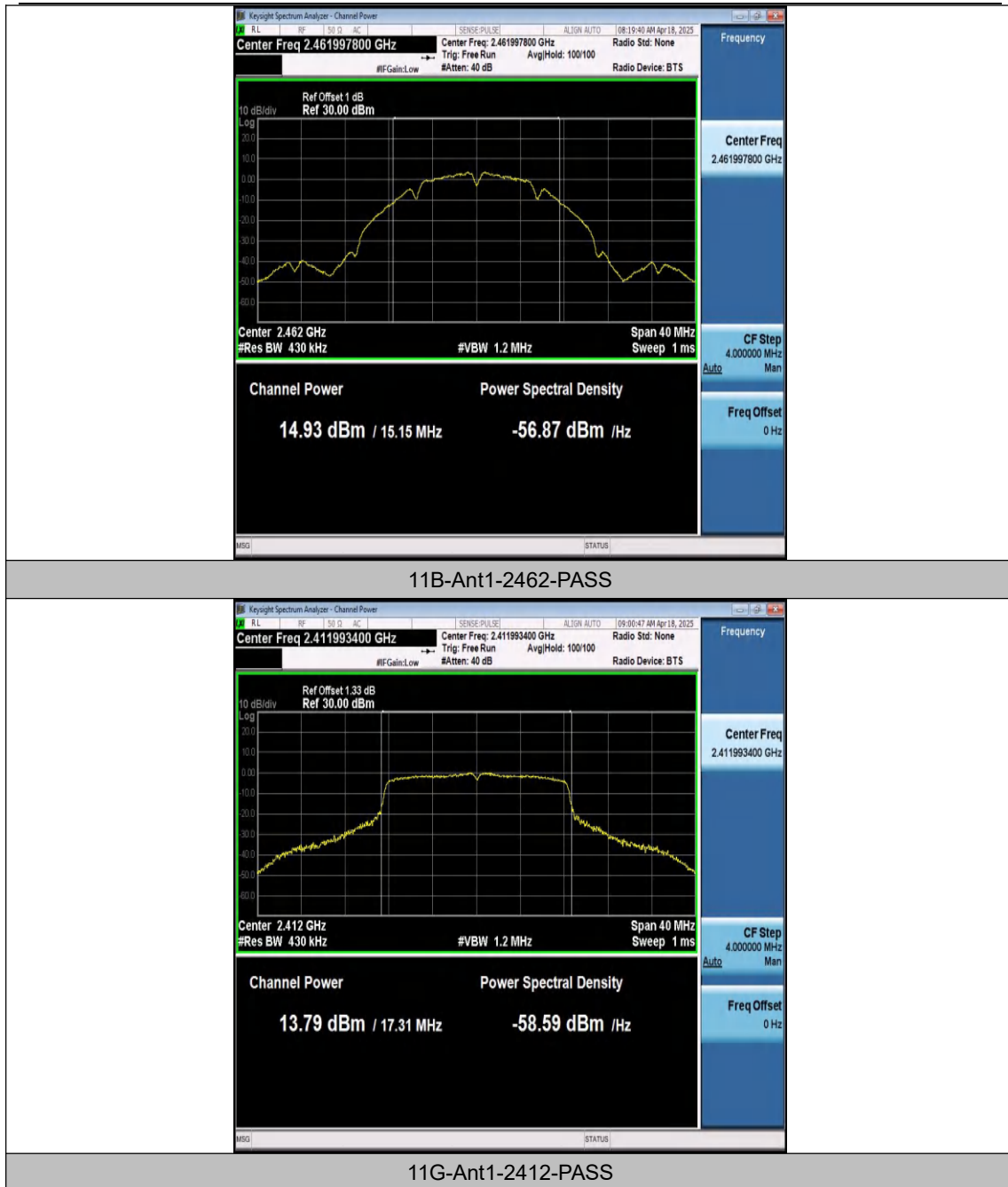
Test Graphs Average

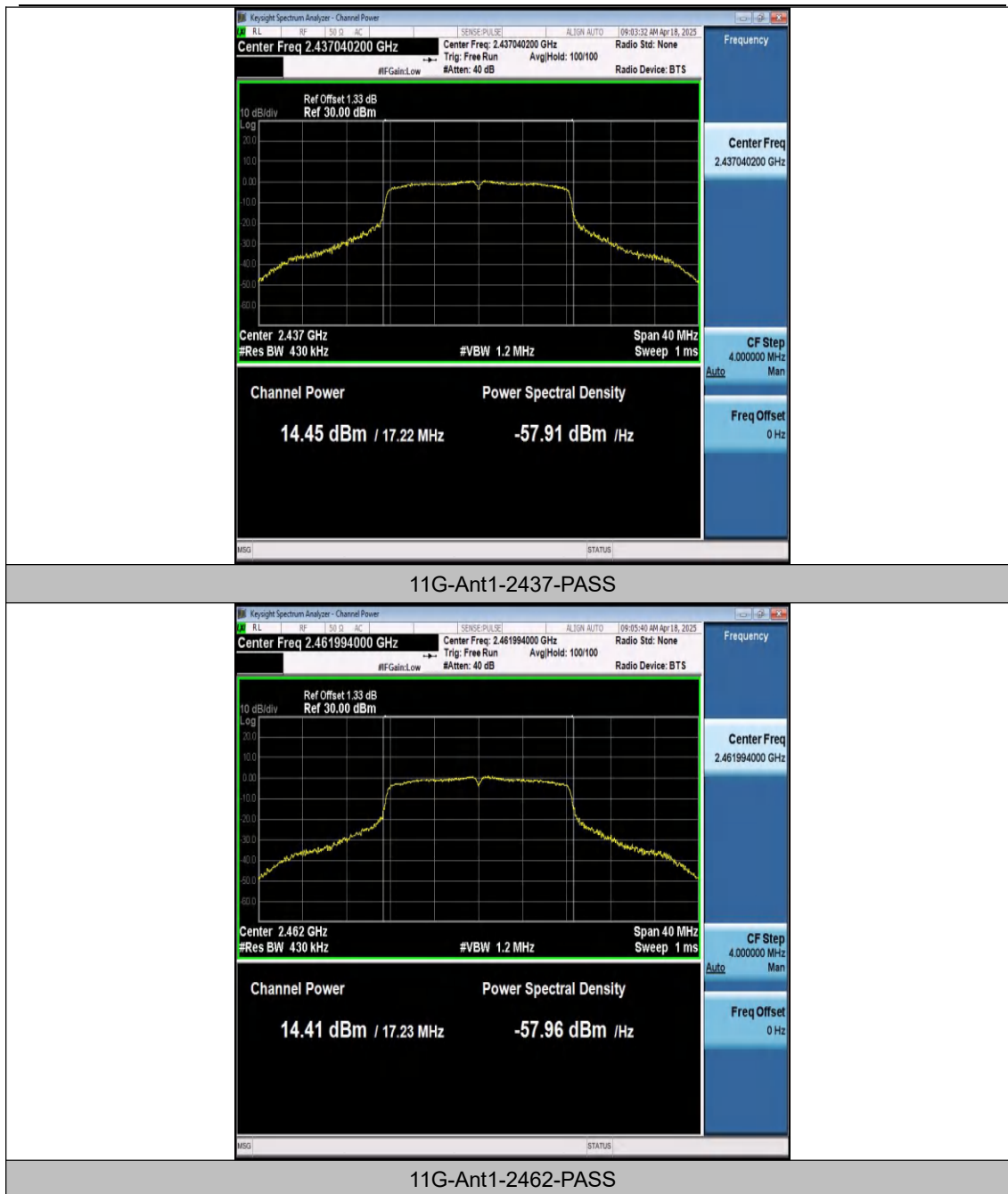


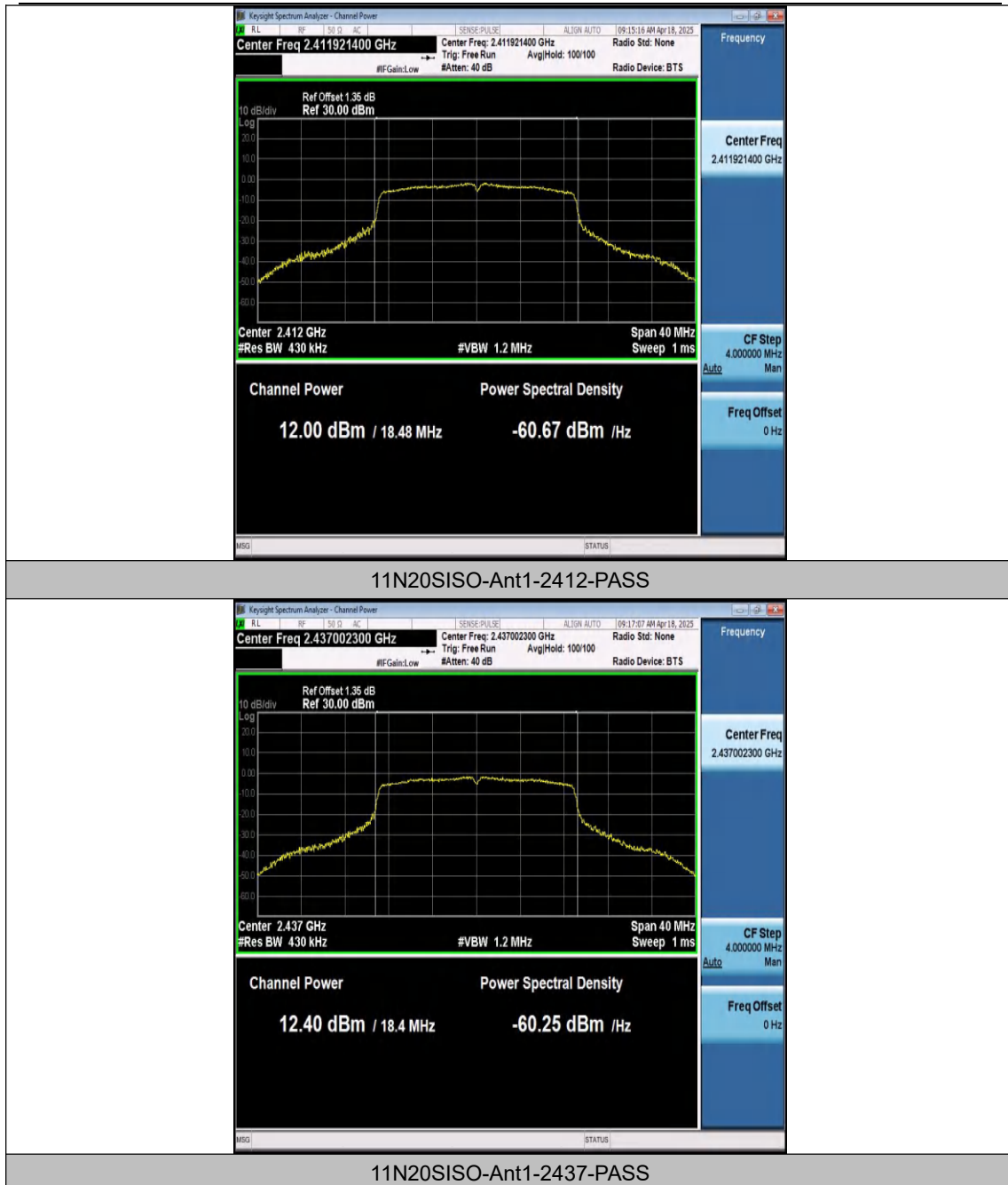
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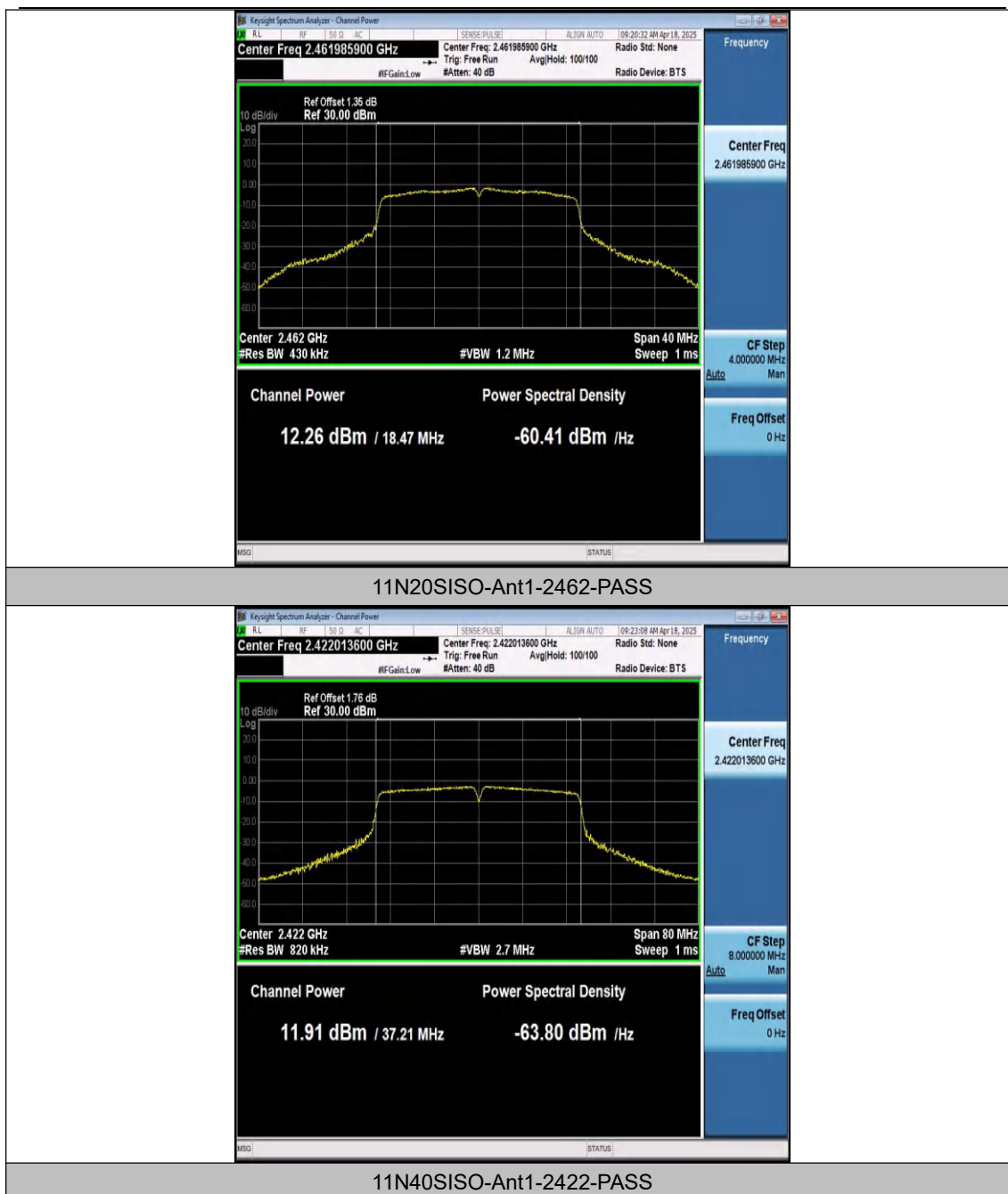
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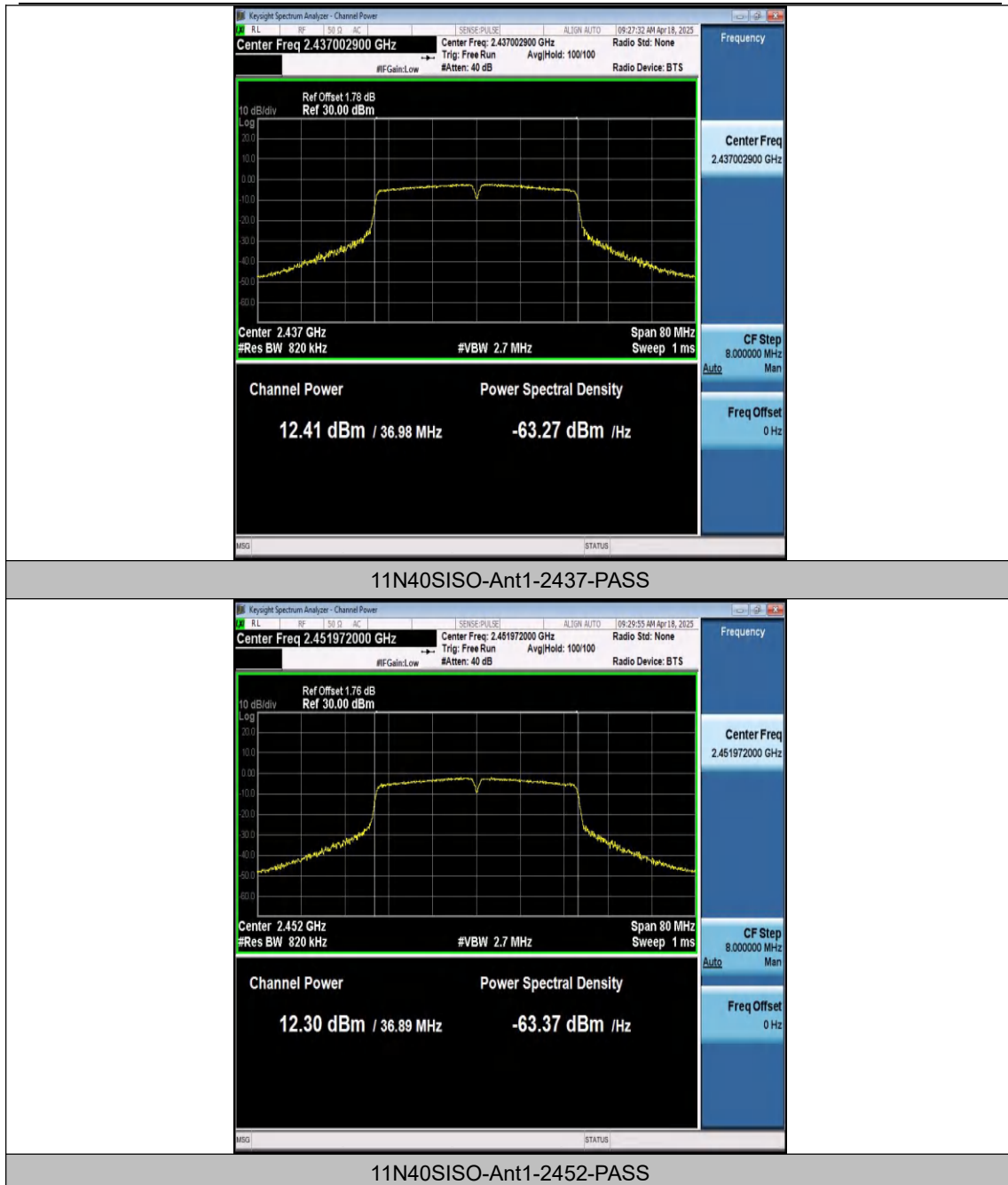
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Appendix D: Maximum power spectral density

Test Result

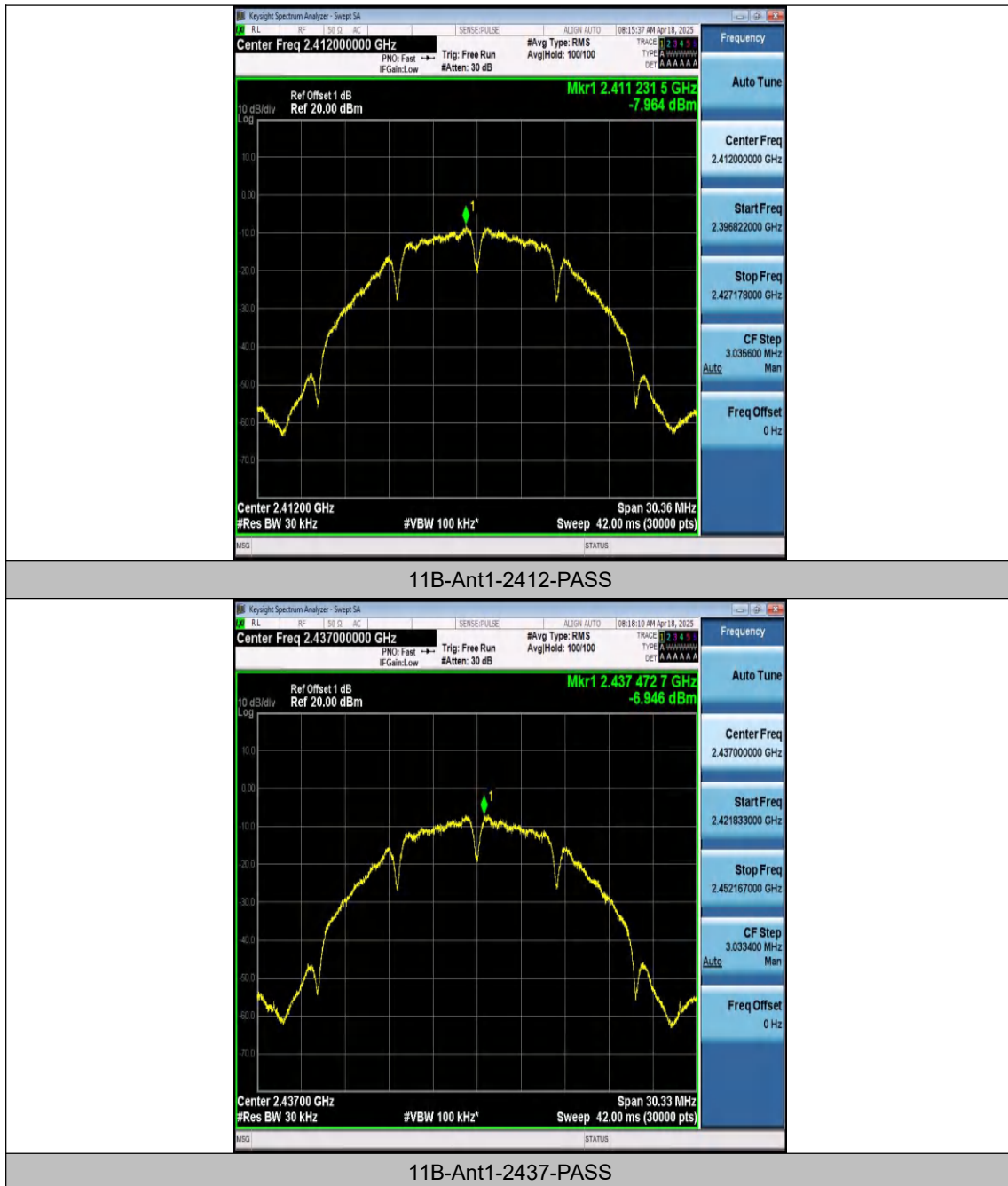
Test Mode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.96	-17.96	≤8.00	PASS
11B	Ant1	2437	-6.95	-16.95	≤8.00	PASS
11B	Ant1	2462	-6.63	-16.63	≤8.00	PASS
11G	Ant1	2412	-9.52	-19.52	≤8.00	PASS
11G	Ant1	2437	-8.82	-18.82	≤8.00	PASS
11G	Ant1	2462	-8.93	-18.93	≤8.00	PASS
11N20SISO	Ant1	2412	-11.69	-21.69	≤8.00	PASS
11N20SISO	Ant1	2437	-11.42	-21.42	≤8.00	PASS
11N20SISO	Ant1	2462	-11.36	-21.36	≤8.00	PASS
11N40SISO	Ant1	2422	-14.58	-24.58	≤8.00	PASS
11N40SISO	Ant1	2437	-13.91	-23.91	≤8.00	PASS
11N40SISO	Ant1	2452	-14.30	-24.3	≤8.00	PASS

Note:

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



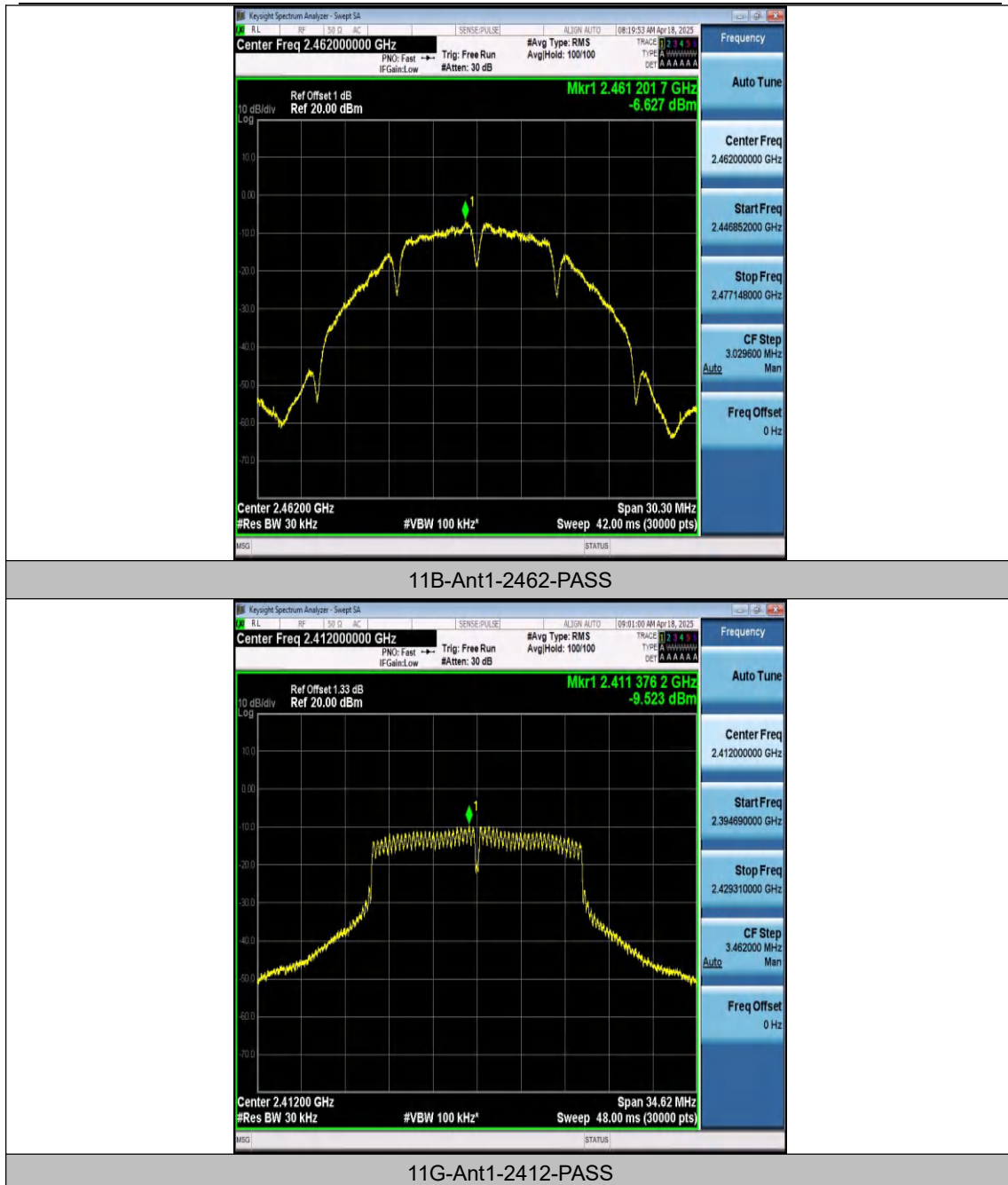
Test Graphs

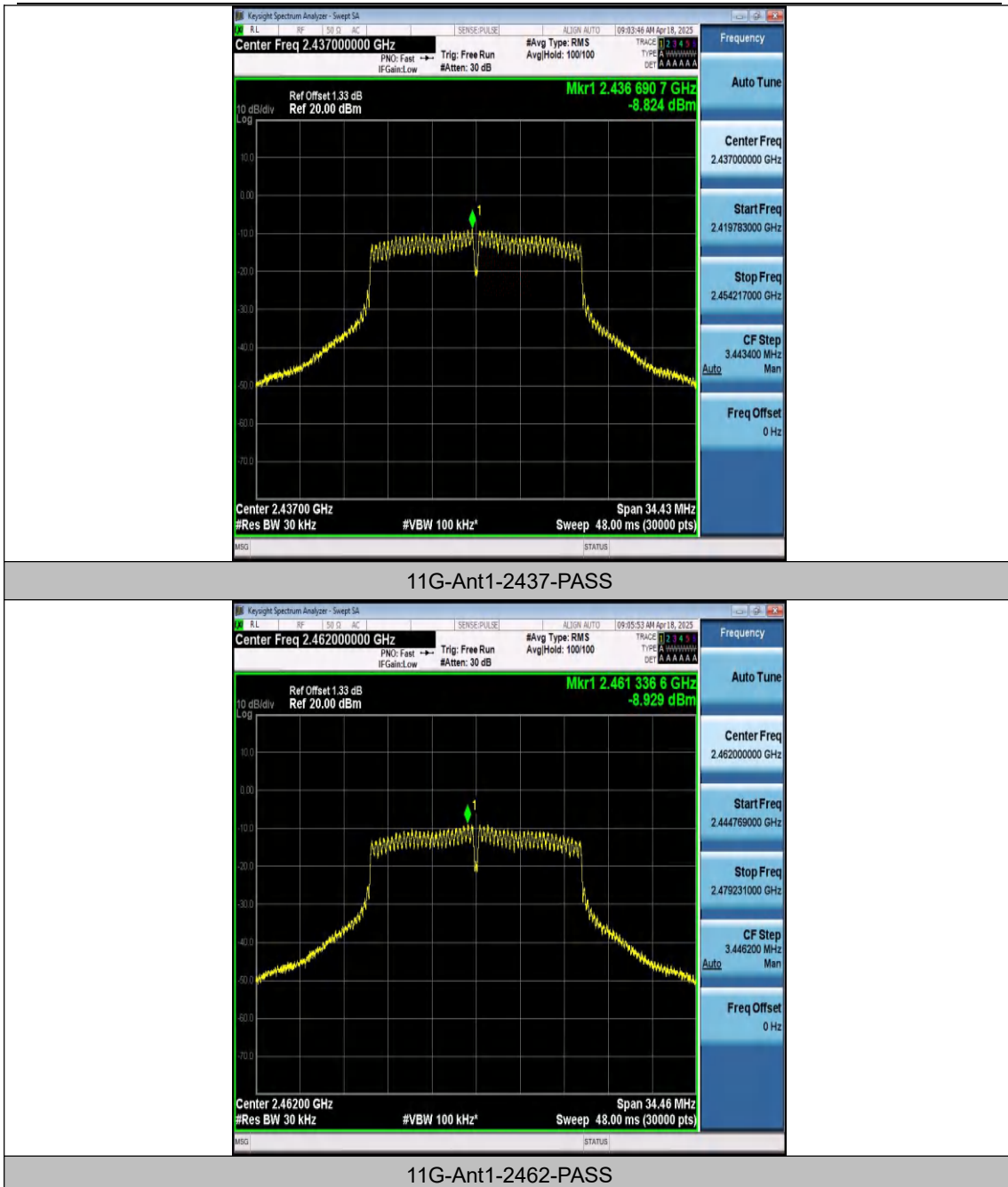


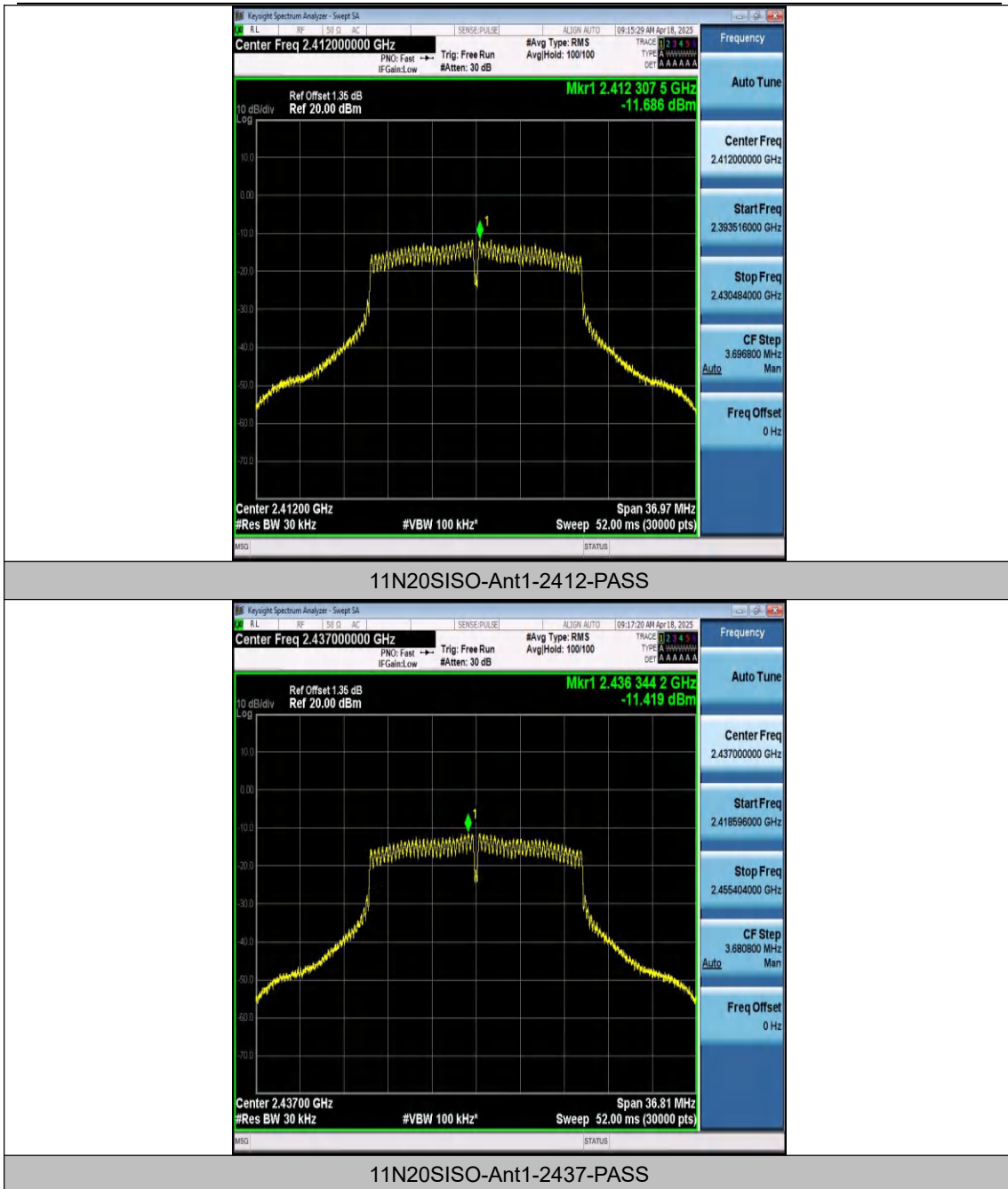
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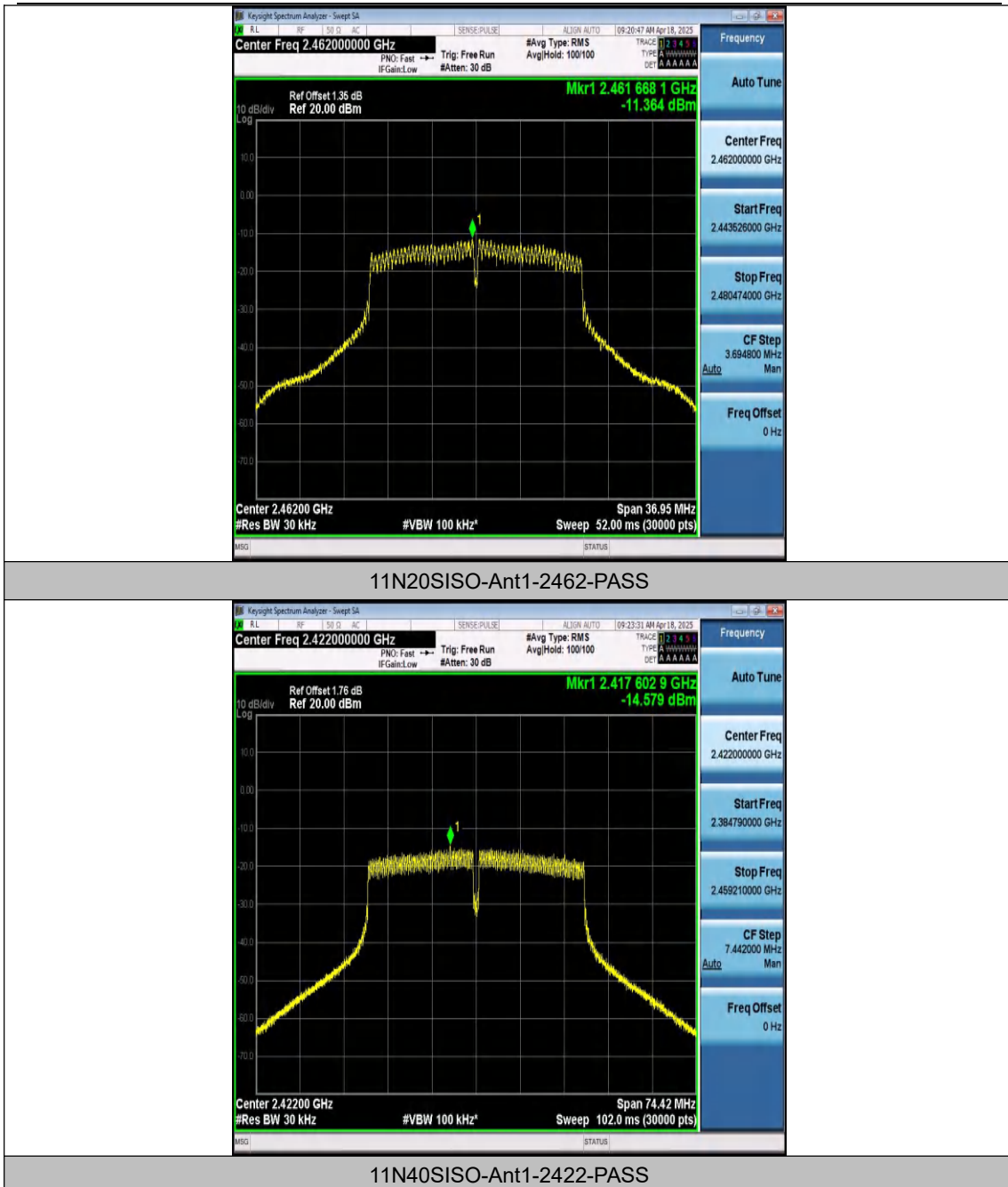


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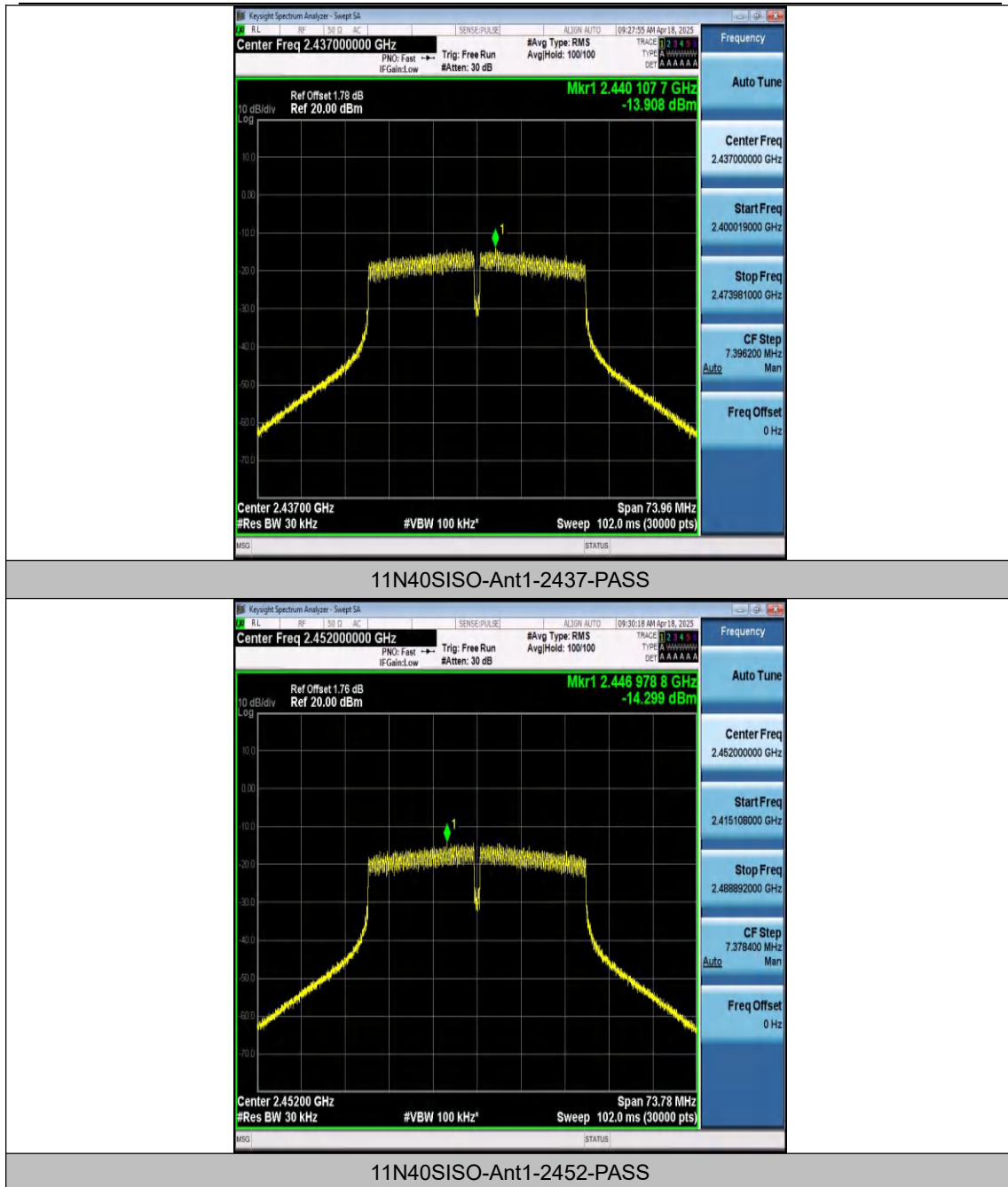
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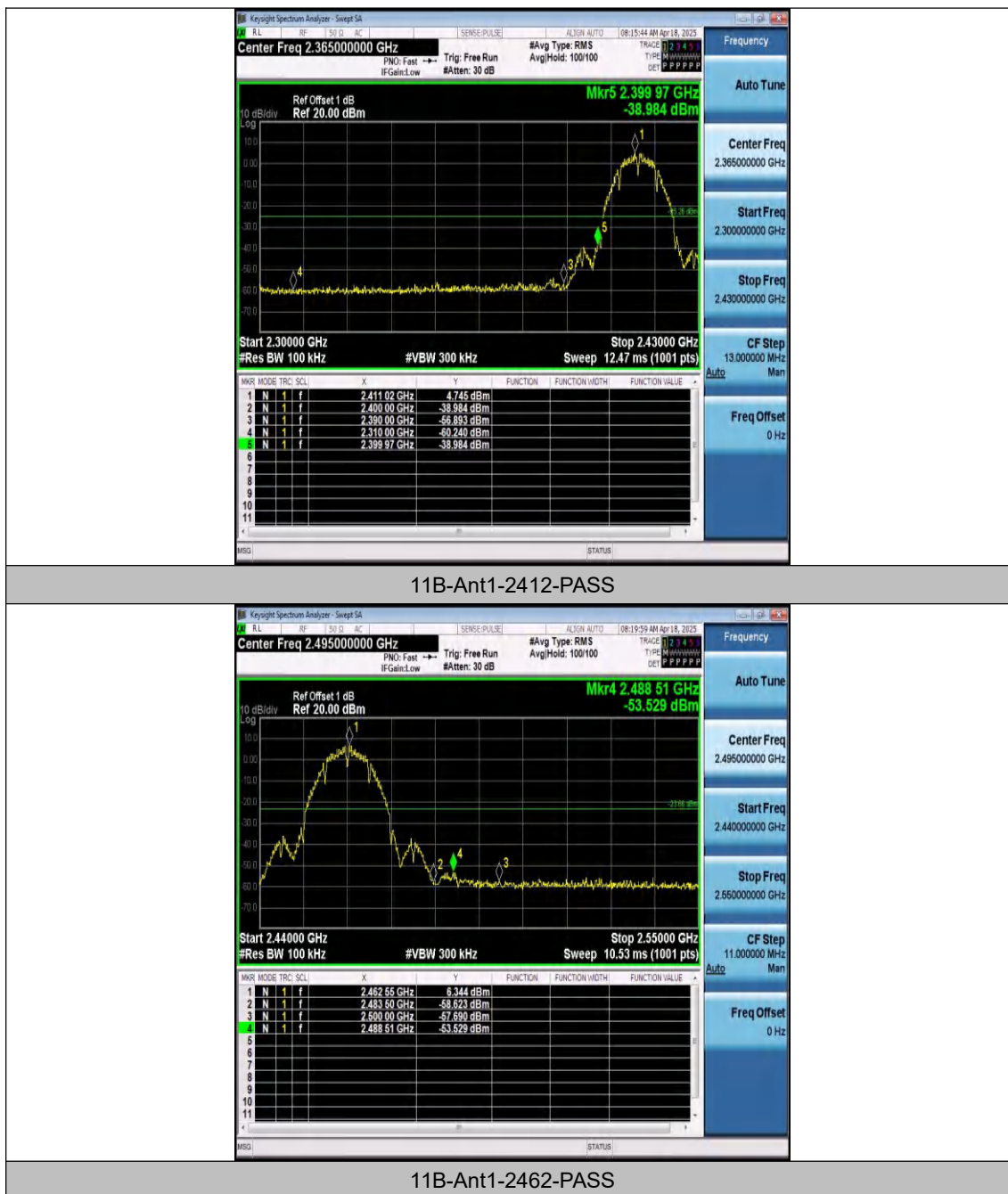
Appendix E: Conducted Band edge

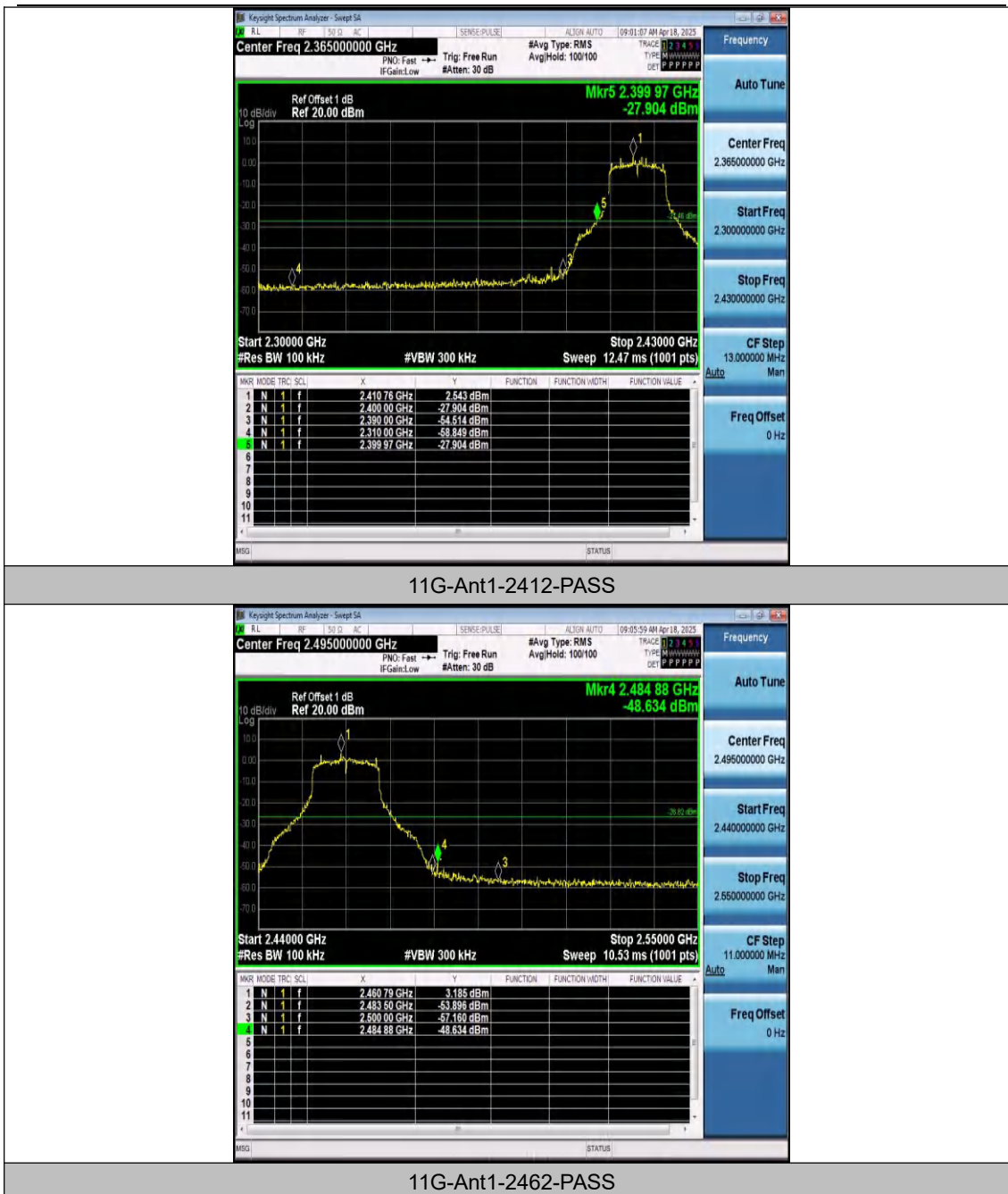
Test Result

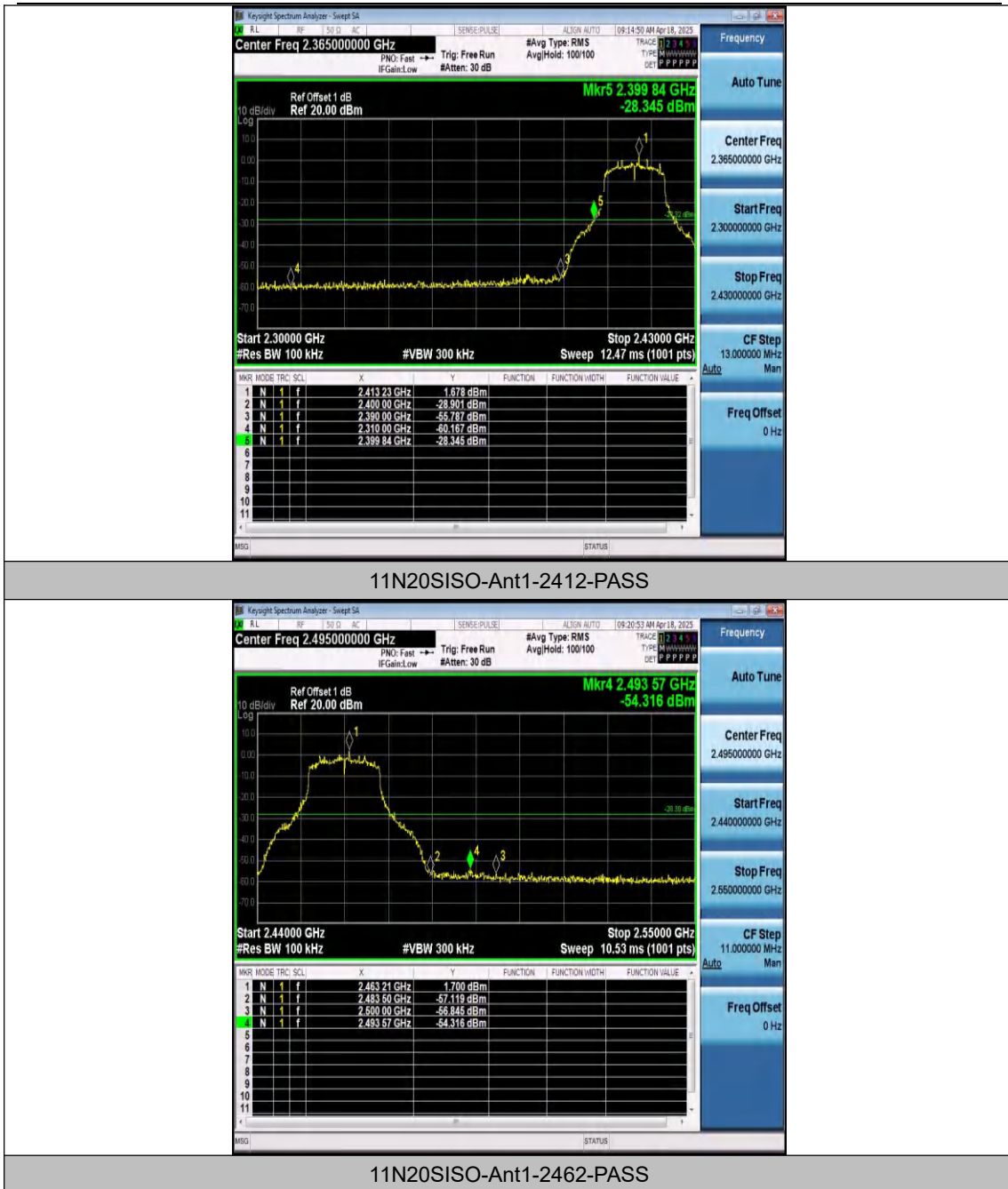
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.75	-38.98	≤-25.26	PASS
11B	Ant1	High	2462	6.34	-53.53	≤-23.66	PASS
11G	Ant1	Low	2412	2.54	-27.9	≤-27.46	PASS
11G	Ant1	High	2462	3.19	-48.63	≤-26.82	PASS
11N20SISO	Ant1	Low	2412	1.68	-28.35	≤-28.32	PASS
11N20SISO	Ant1	High	2462	1.70	-54.32	≤-28.3	PASS
11N40SISO	Ant1	Low	2422	-0.68	-38.77	≤-30.68	PASS
11N40SISO	Ant1	High	2452	-1.56	-40.73	≤-31.56	PASS

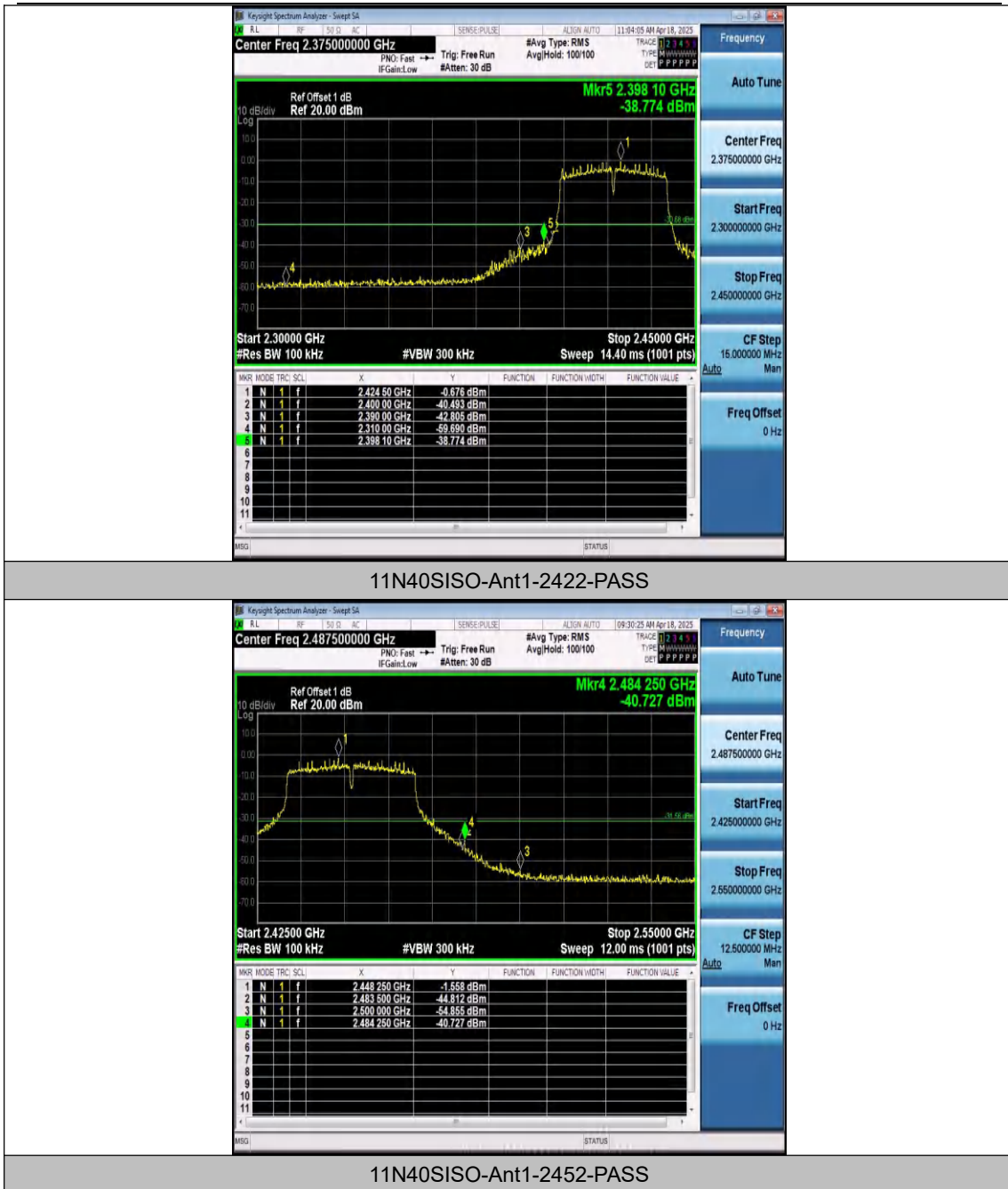


Test Graphs









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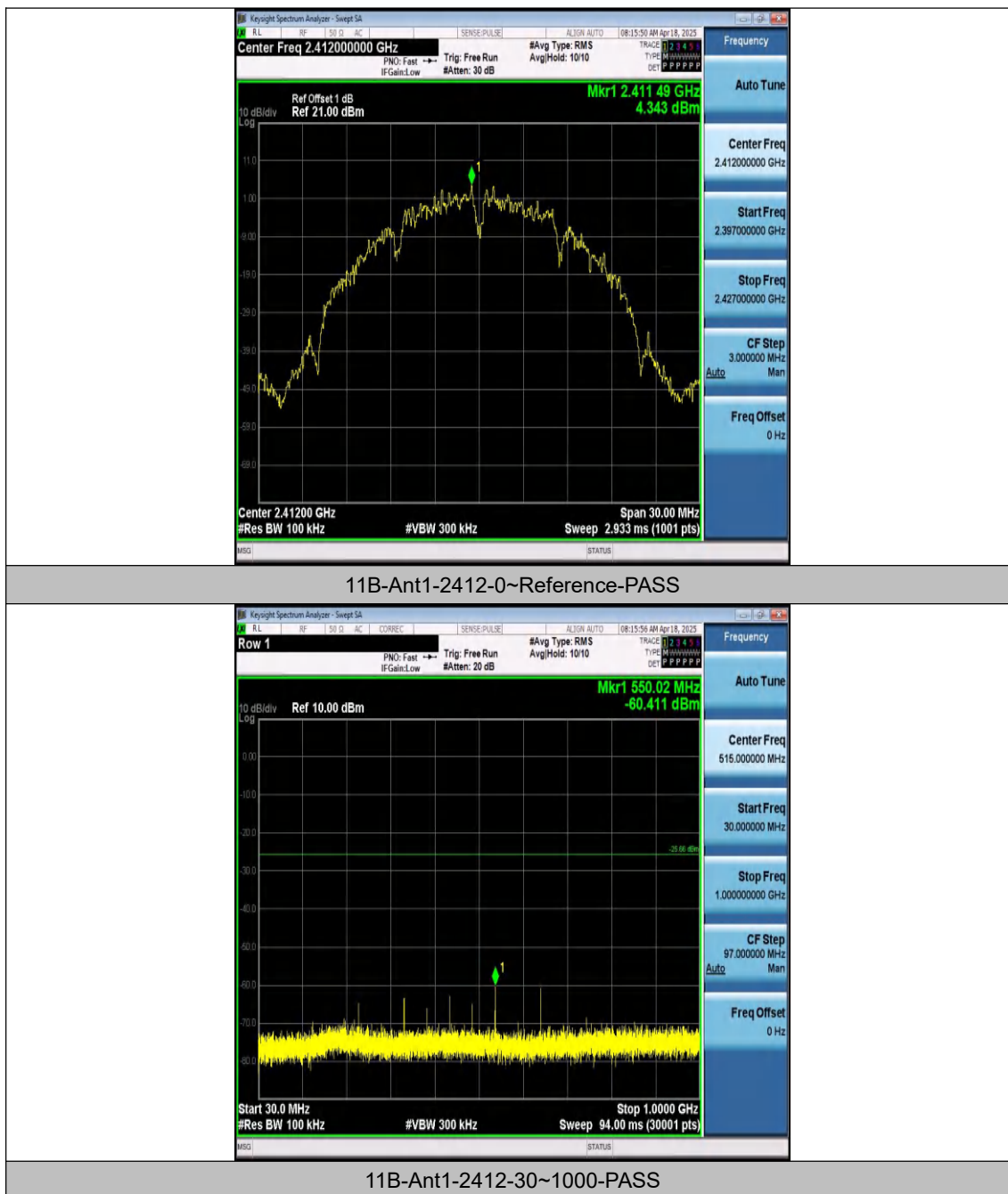
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.34	4.34	---	PASS
11B	Ant1	2412	30~1000	4.34	-60.41	≤-25.66	PASS
11B	Ant1	2412	1000~26500	4.34	-53.55	≤-25.66	PASS
11B	Ant1	2437	0~Reference	4.79	4.79	---	PASS
11B	Ant1	2437	30~1000	4.79	-61.49	≤-25.21	PASS
11B	Ant1	2437	1000~26500	4.79	-53.41	≤-25.21	PASS
11B	Ant1	2462	0~Reference	4.94	4.94	---	PASS
11B	Ant1	2462	30~1000	4.94	-61.14	≤-25.06	PASS
11B	Ant1	2462	1000~26500	4.94	-53.33	≤-25.06	PASS
11G	Ant1	2412	0~Reference	0.19	0.19	---	PASS
11G	Ant1	2412	30~1000	0.19	-60.77	≤-29.81	PASS
11G	Ant1	2412	1000~26500	0.19	-54.14	≤-29.81	PASS
11G	Ant1	2437	0~Reference	2.11	2.11	---	PASS
11G	Ant1	2437	30~1000	2.11	-60.7	≤-27.89	PASS
11G	Ant1	2437	1000~26500	2.11	-53.56	≤-27.89	PASS
11G	Ant1	2462	0~Reference	1.88	1.88	---	PASS
11G	Ant1	2462	30~1000	1.88	-61.03	≤-28.12	PASS
11G	Ant1	2462	1000~26500	1.88	-53.43	≤-28.12	PASS
11N20SISO	Ant1	2412	0~Reference	-0.80	-0.80	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.80	-61.29	≤-30.8	PASS
11N20SISO	Ant1	2412	1000~26500	-0.80	-53.29	≤-30.8	PASS
11N20SISO	Ant1	2437	0~Reference	-1.15	-1.15	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.15	-61.25	≤-31.15	PASS
11N20SISO	Ant1	2437	1000~26500	-1.15	-53.18	≤-31.15	PASS
11N20SISO	Ant1	2462	0~Reference	-0.08	-0.08	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.08	-60.83	≤-30.08	PASS
11N20SISO	Ant1	2462	1000~26500	-0.08	-53.24	≤-30.08	PASS
11N40SISO	Ant1	2422	0~Reference	-3.50	-3.50	---	PASS
11N40SISO	Ant1	2422	30~1000	-3.50	-61.74	≤-33.5	PASS
11N40SISO	Ant1	2422	1000~26500	-3.50	-52.47	≤-33.5	PASS
11N40SISO	Ant1	2437	0~Reference	-1.57	-1.57	---	PASS
11N40SISO	Ant1	2437	30~1000	-1.57	-60.9	≤-31.57	PASS
11N40SISO	Ant1	2437	1000~26500	-1.57	-54	≤-31.57	PASS
11N40SISO	Ant1	2452	0~Reference	-2.14	-2.14	---	PASS
11N40SISO	Ant1	2452	30~1000	-2.14	-61.17	≤-32.14	PASS
11N40SISO	Ant1	2452	1000~26500	-2.14	-53.06	≤-32.14	PASS

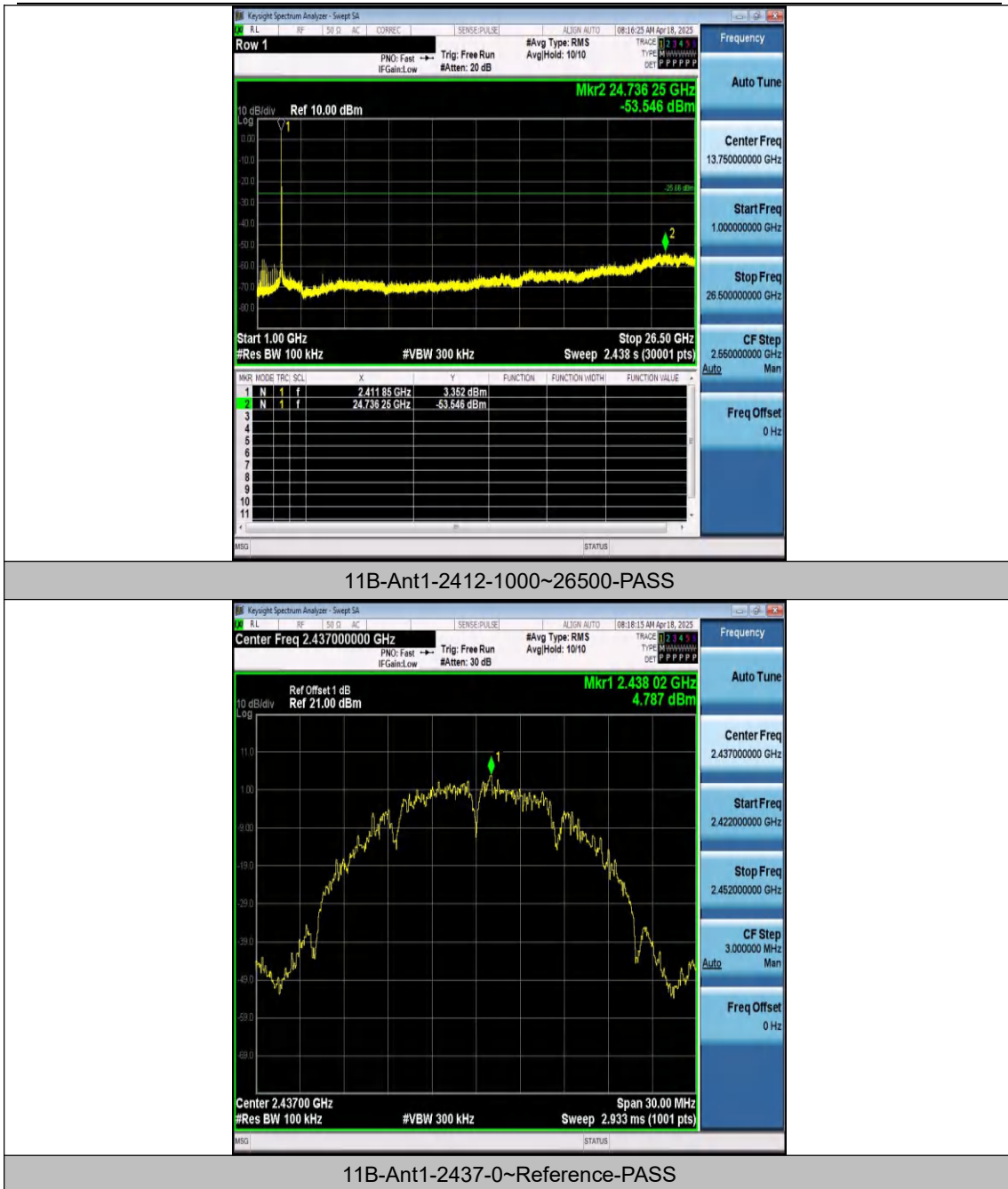
Test Graphs



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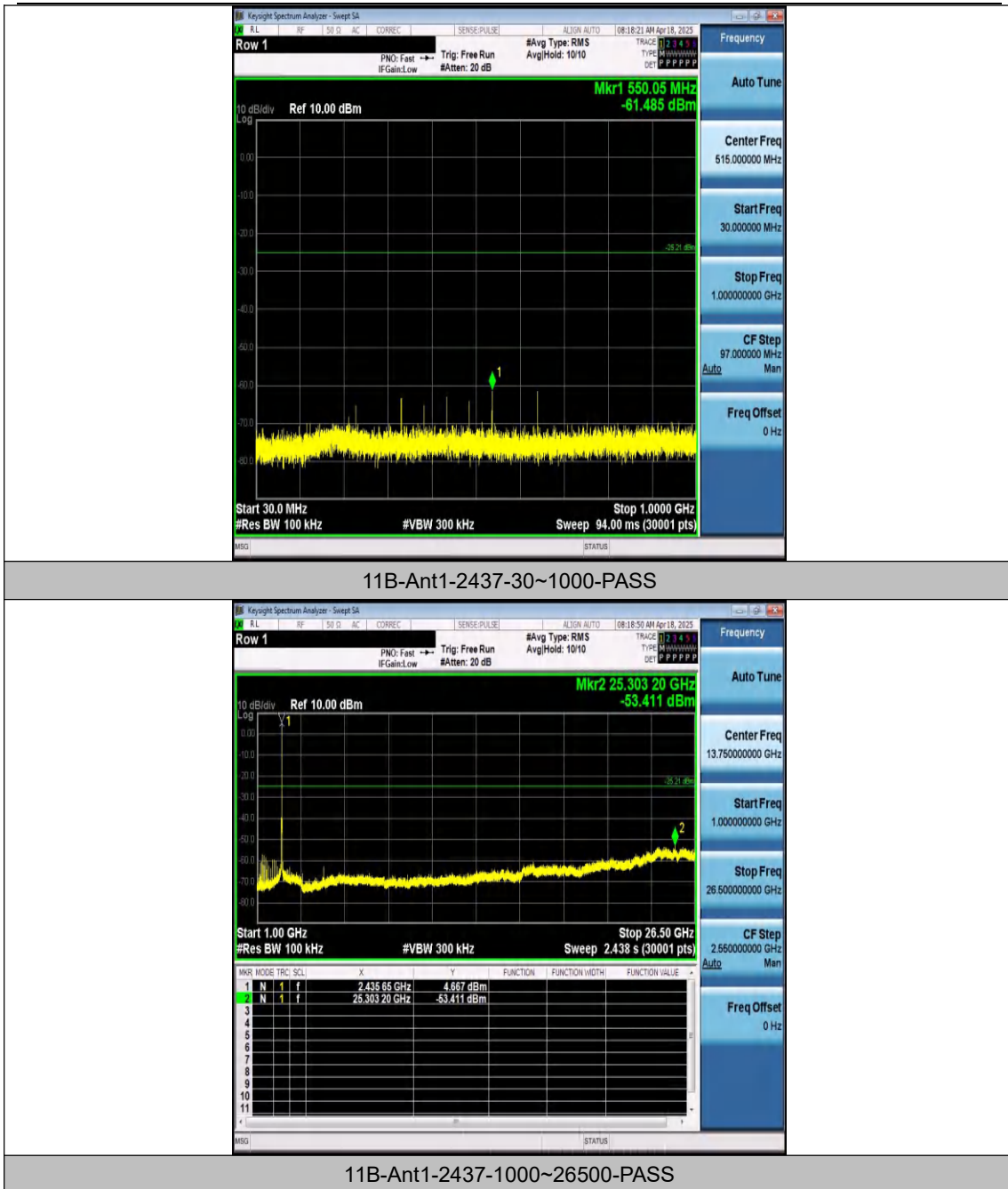
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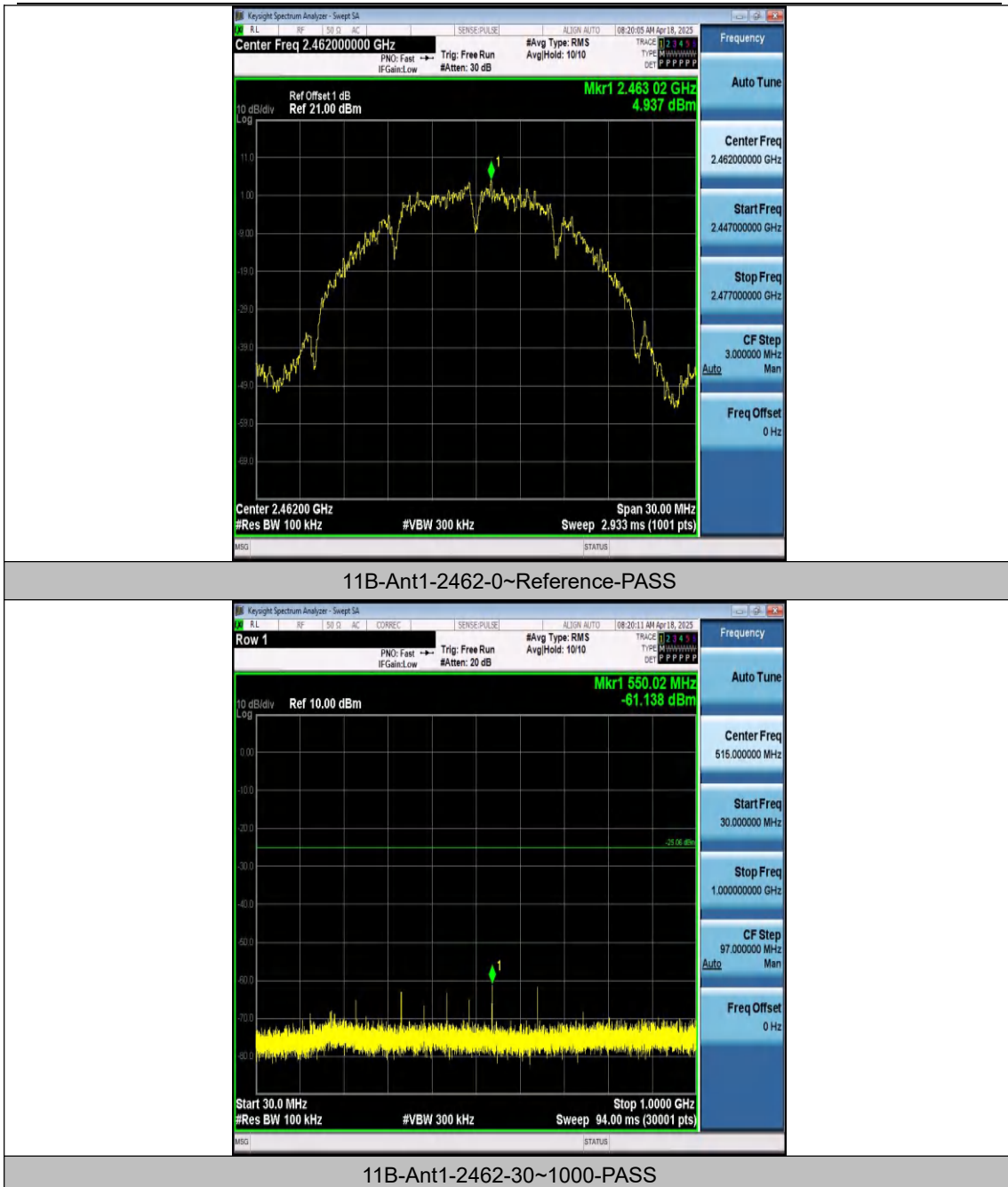


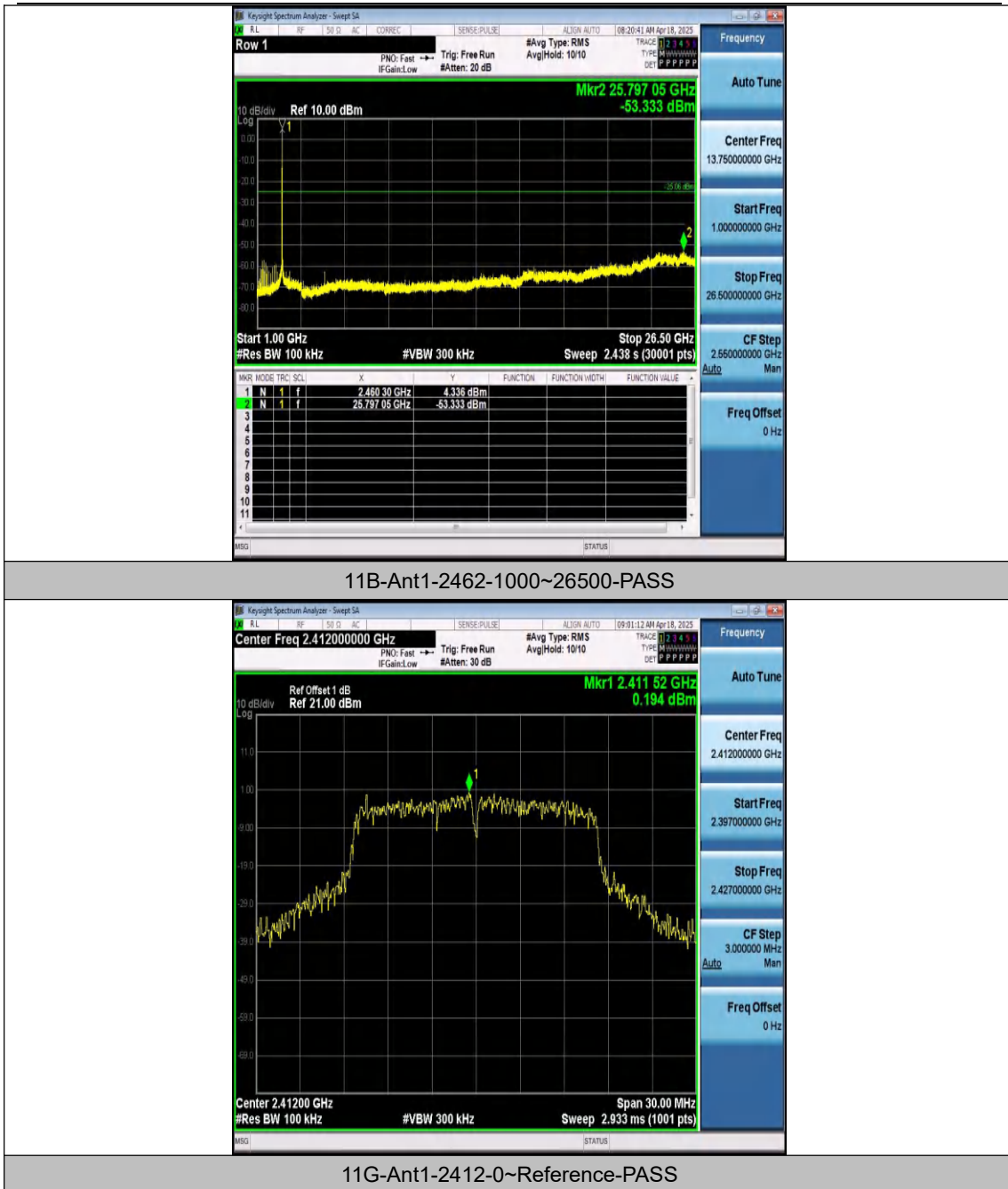
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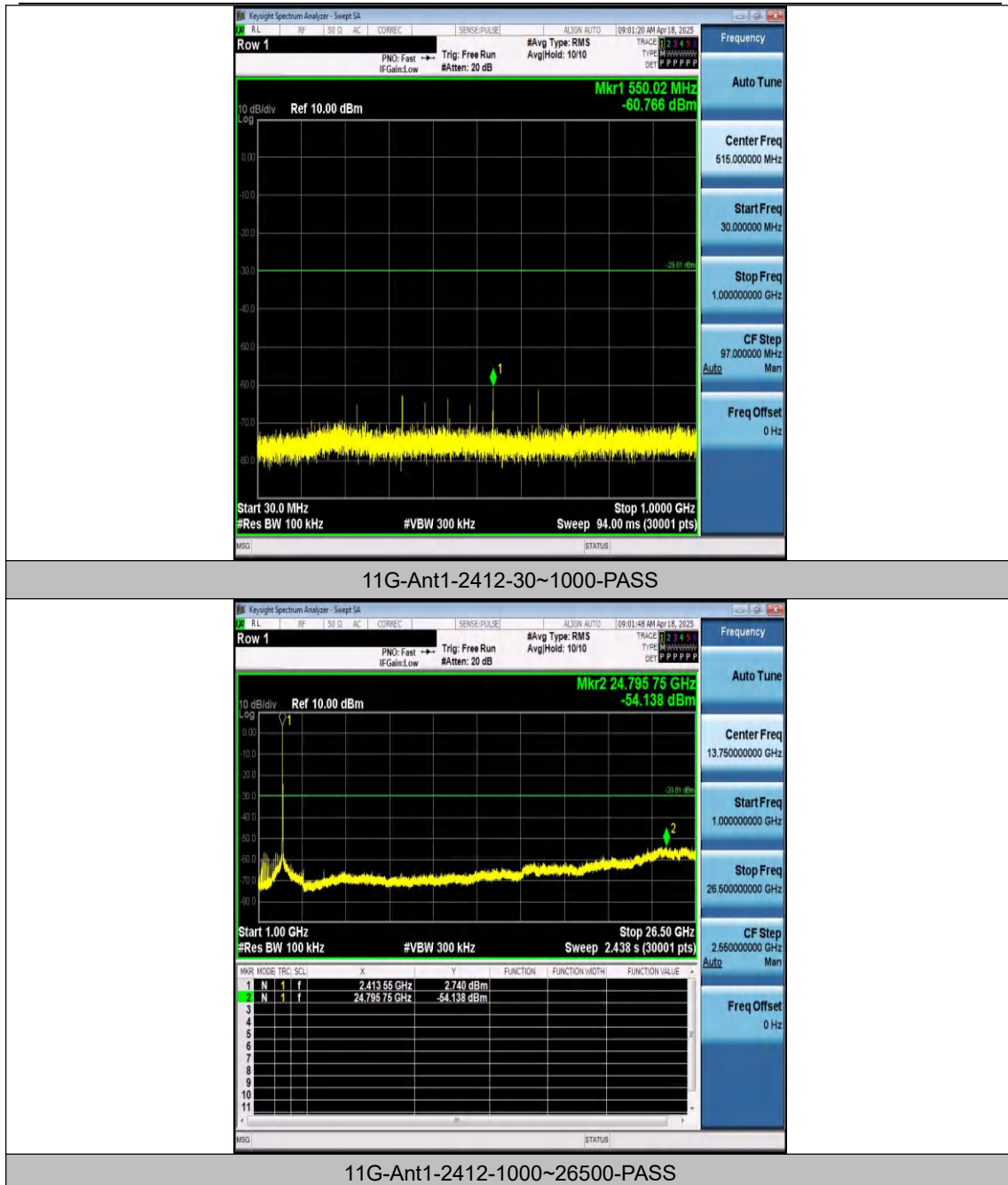


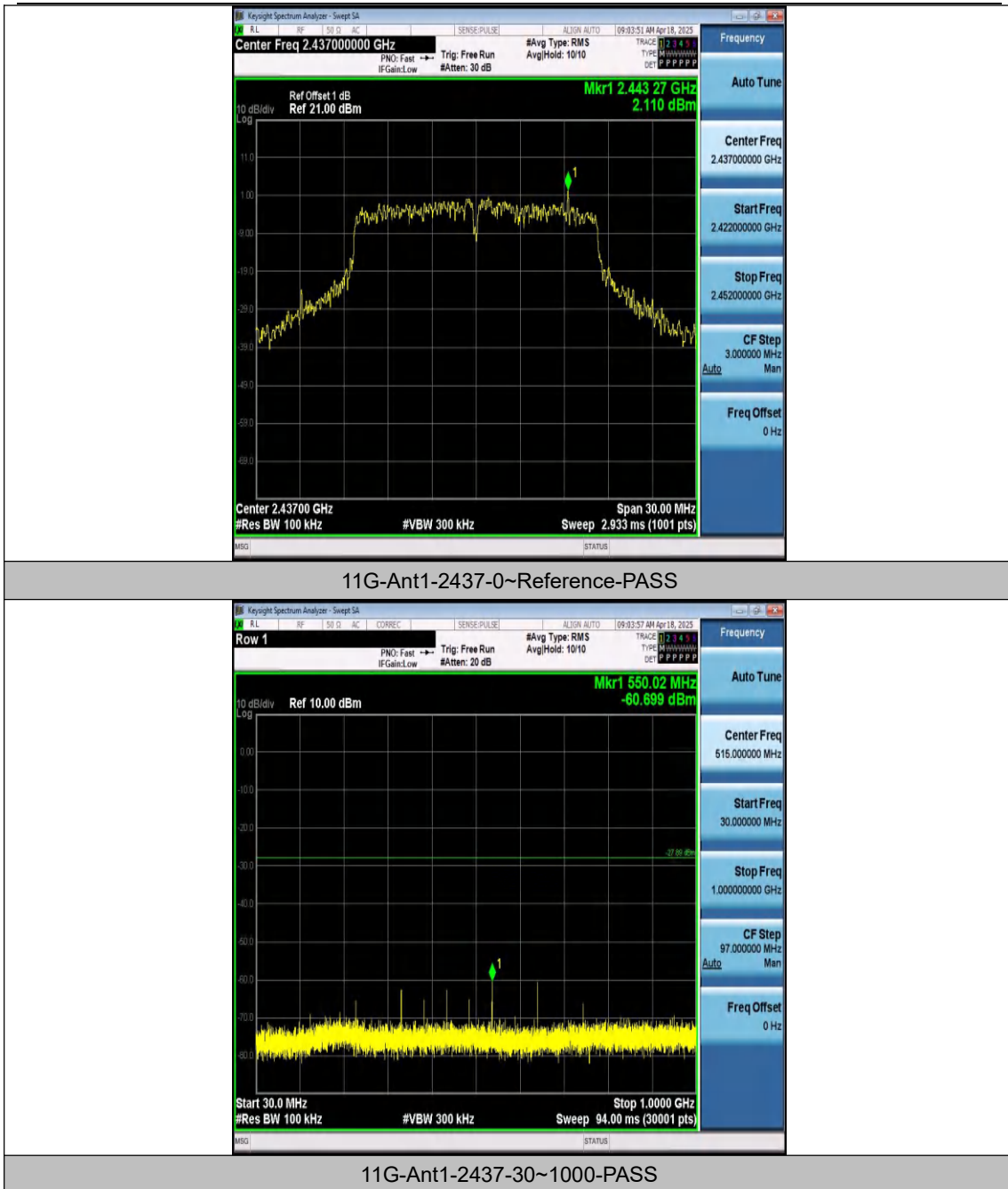


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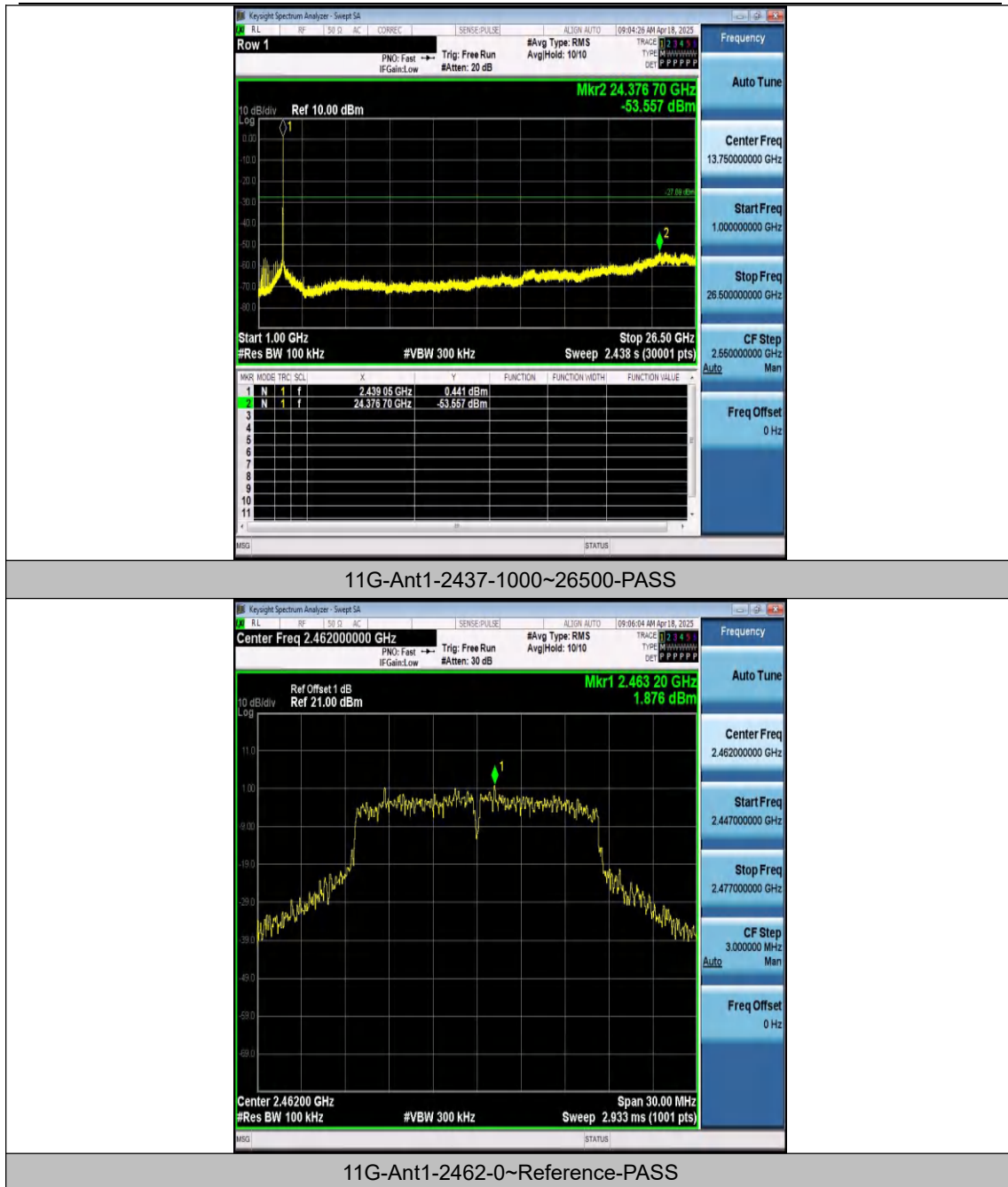




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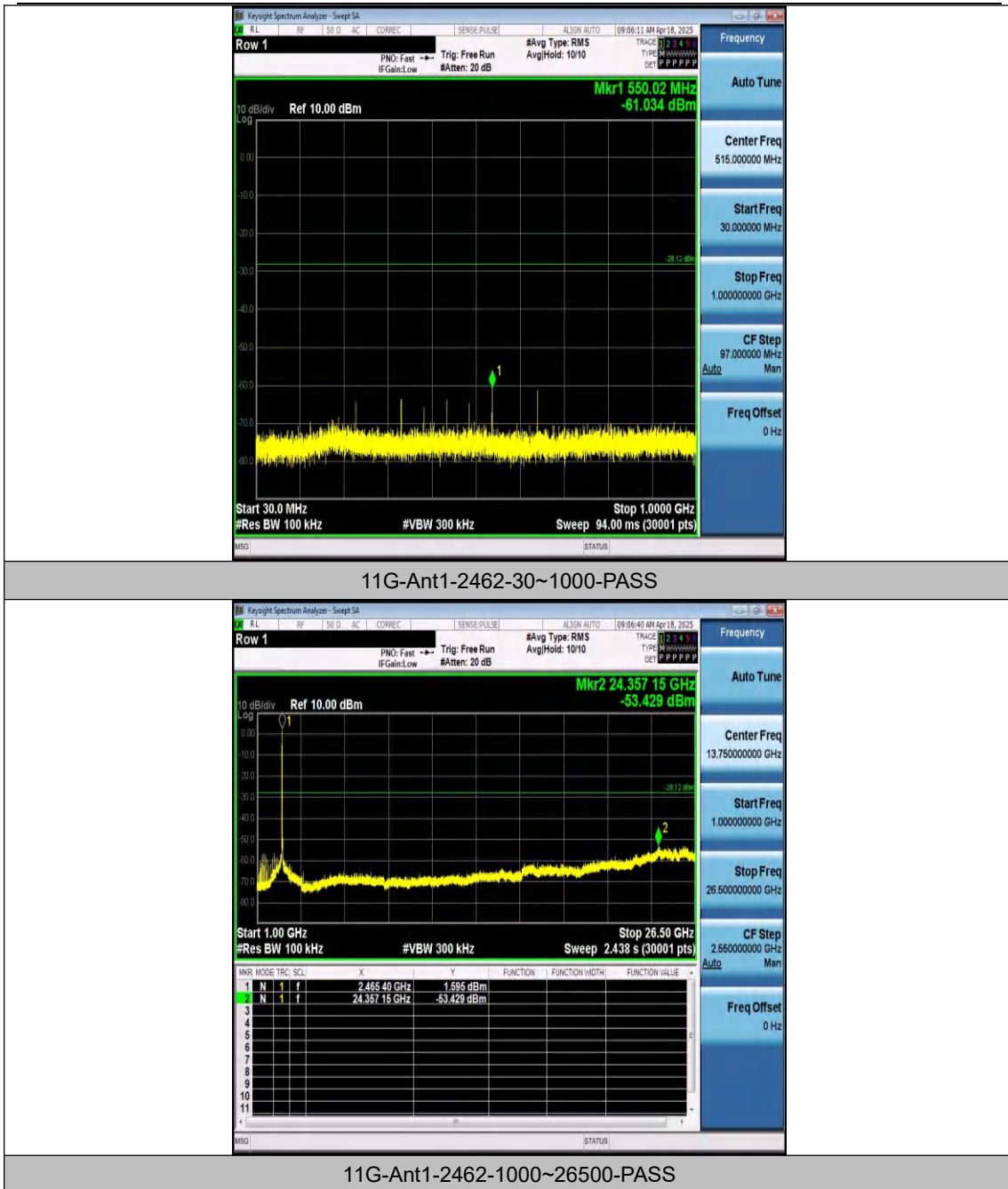


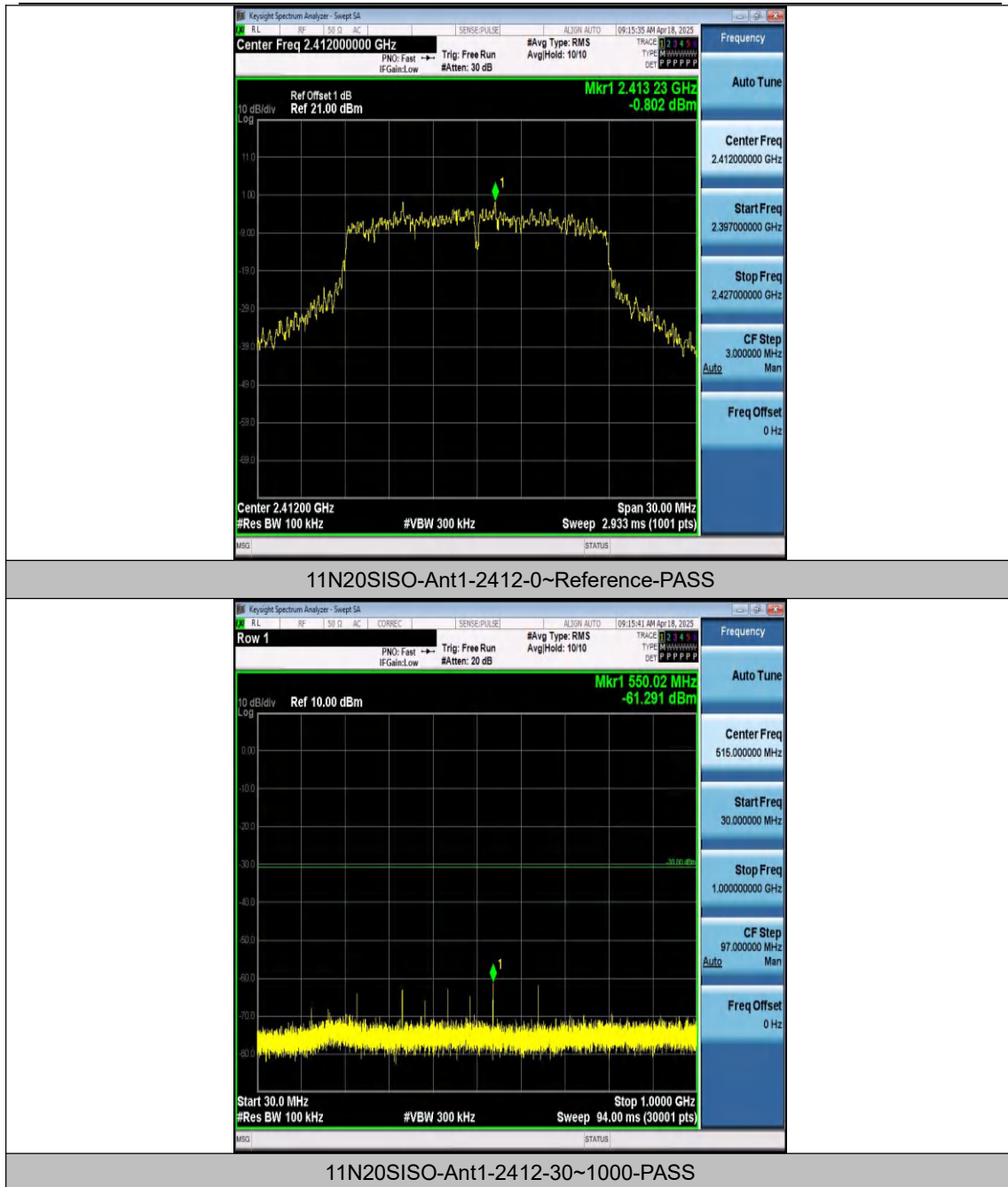
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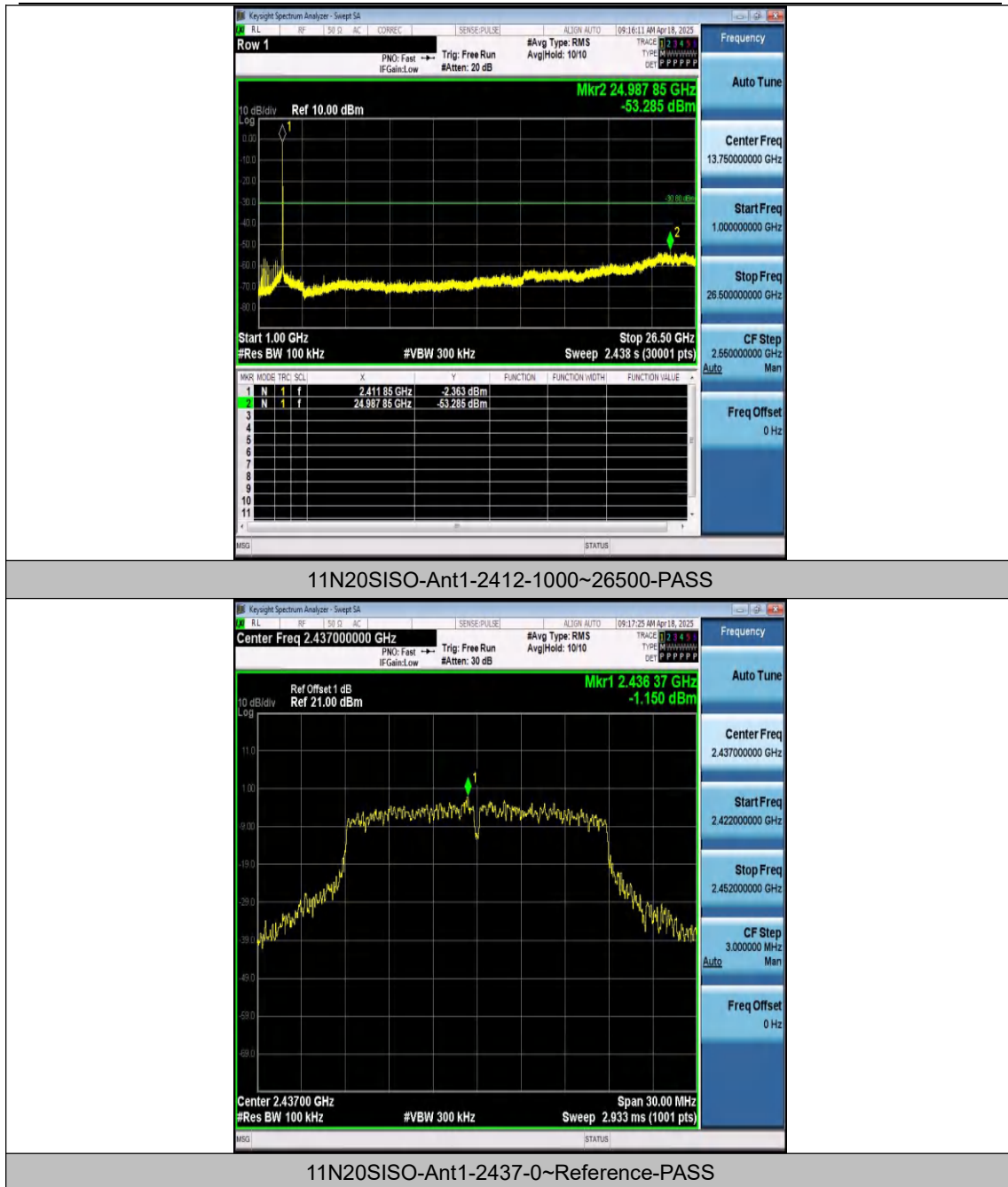




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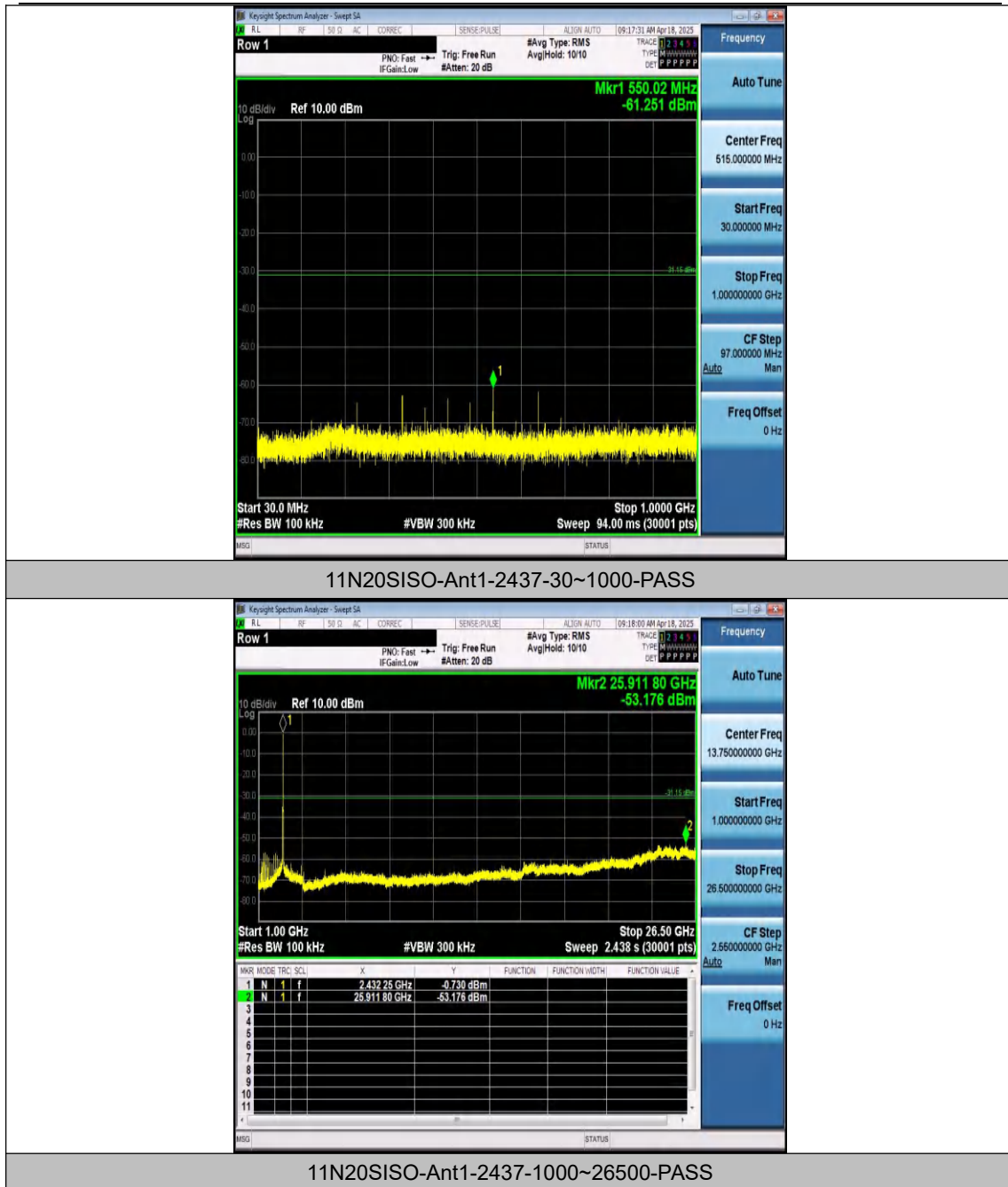
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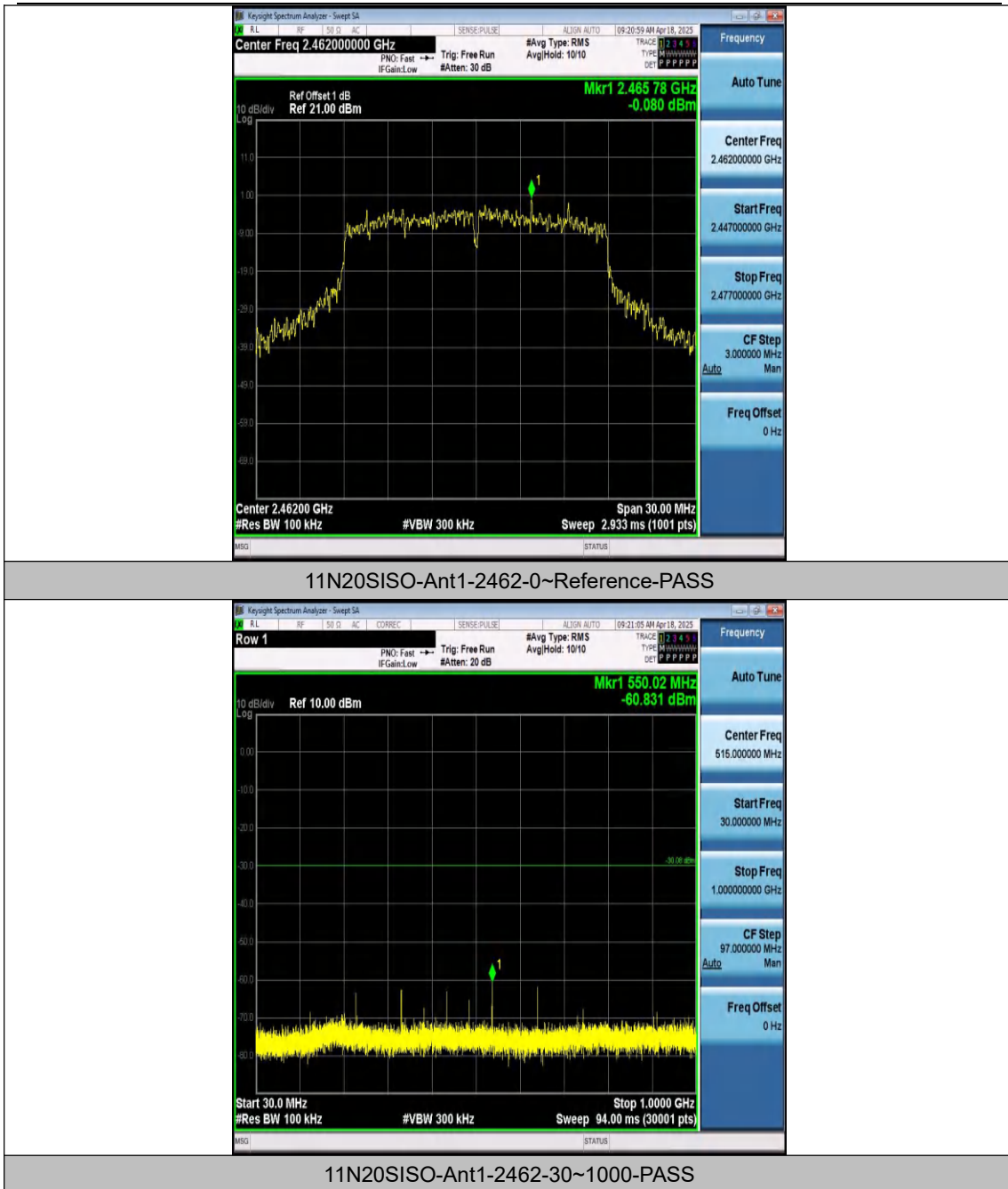


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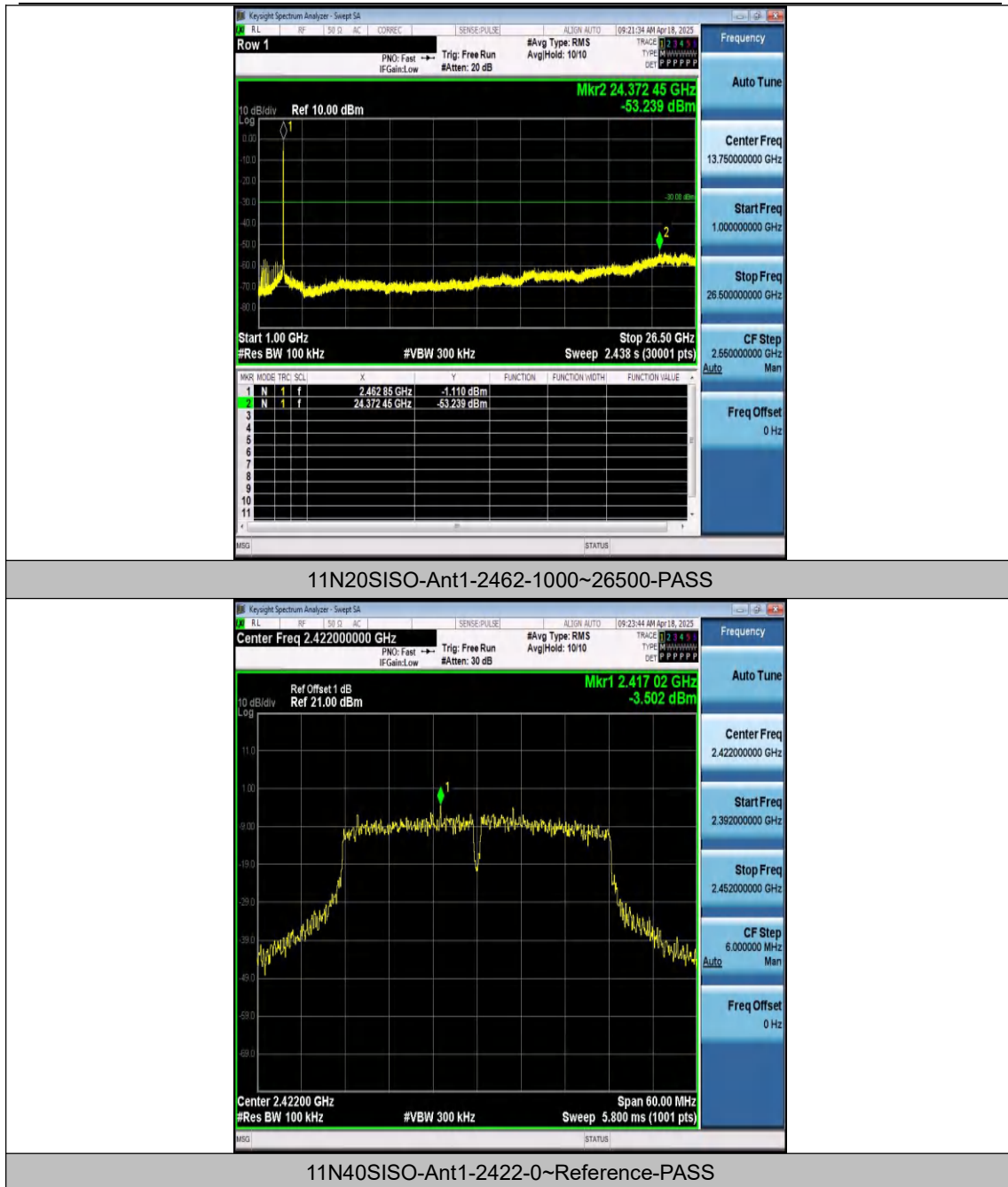


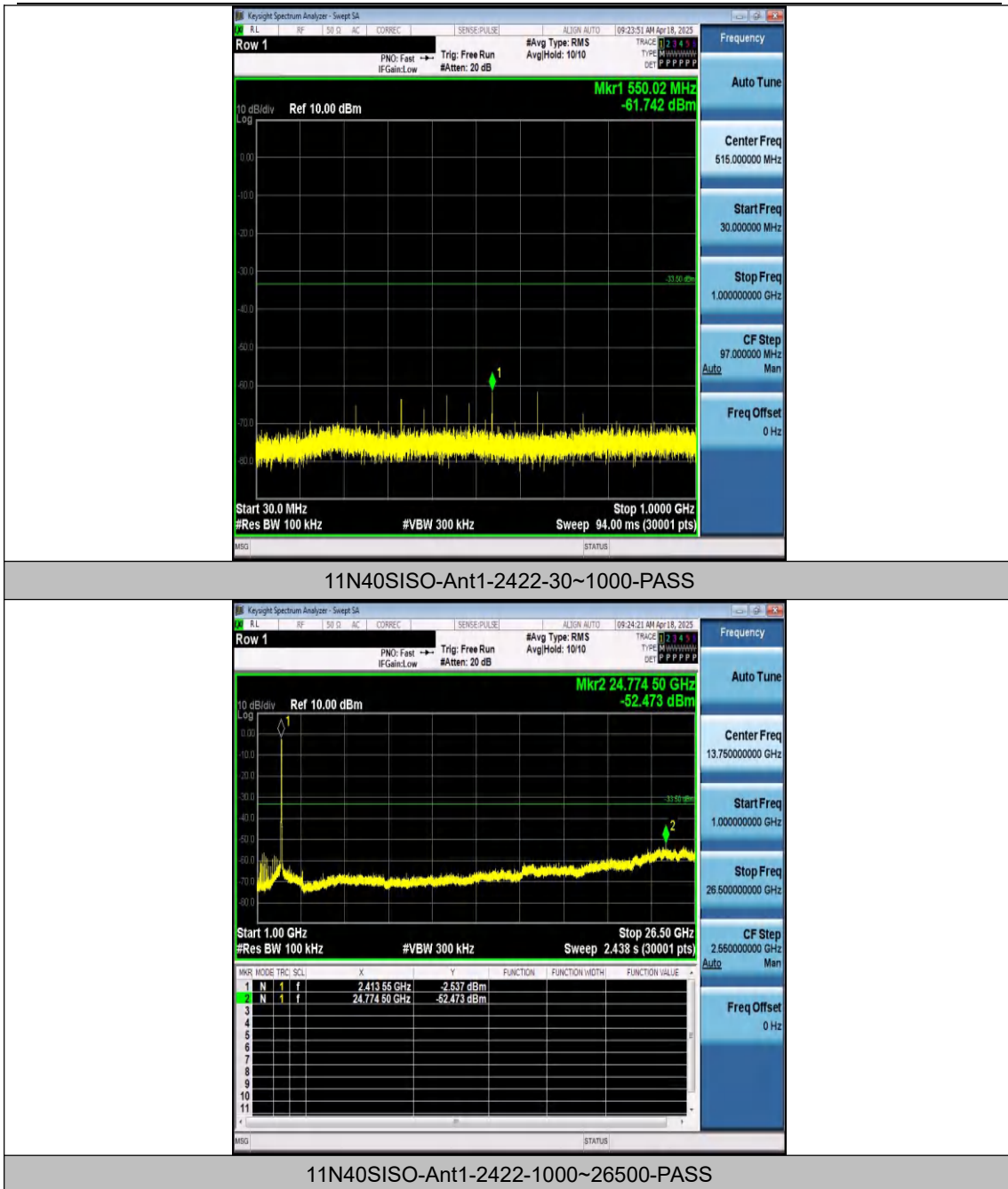
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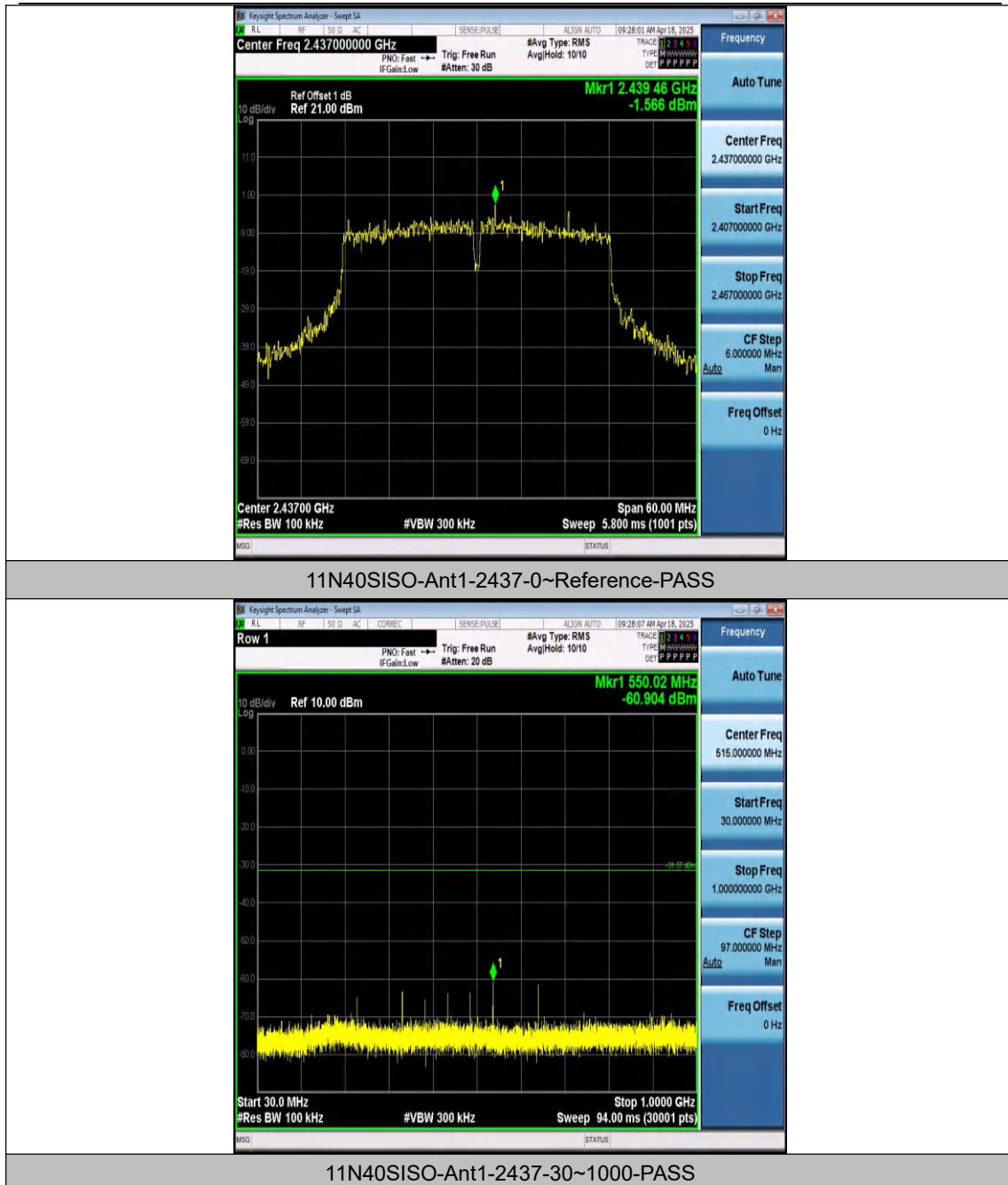
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com

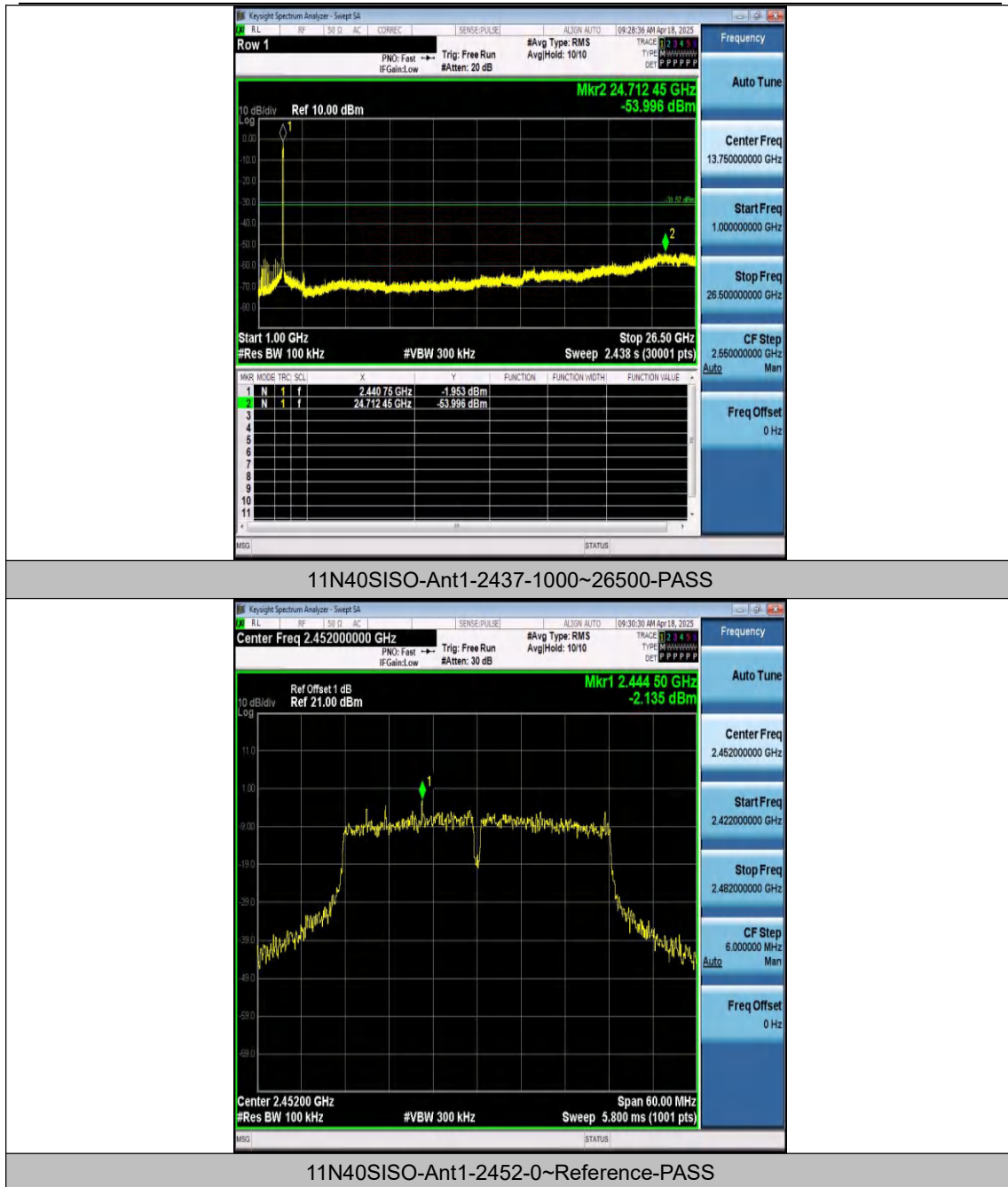


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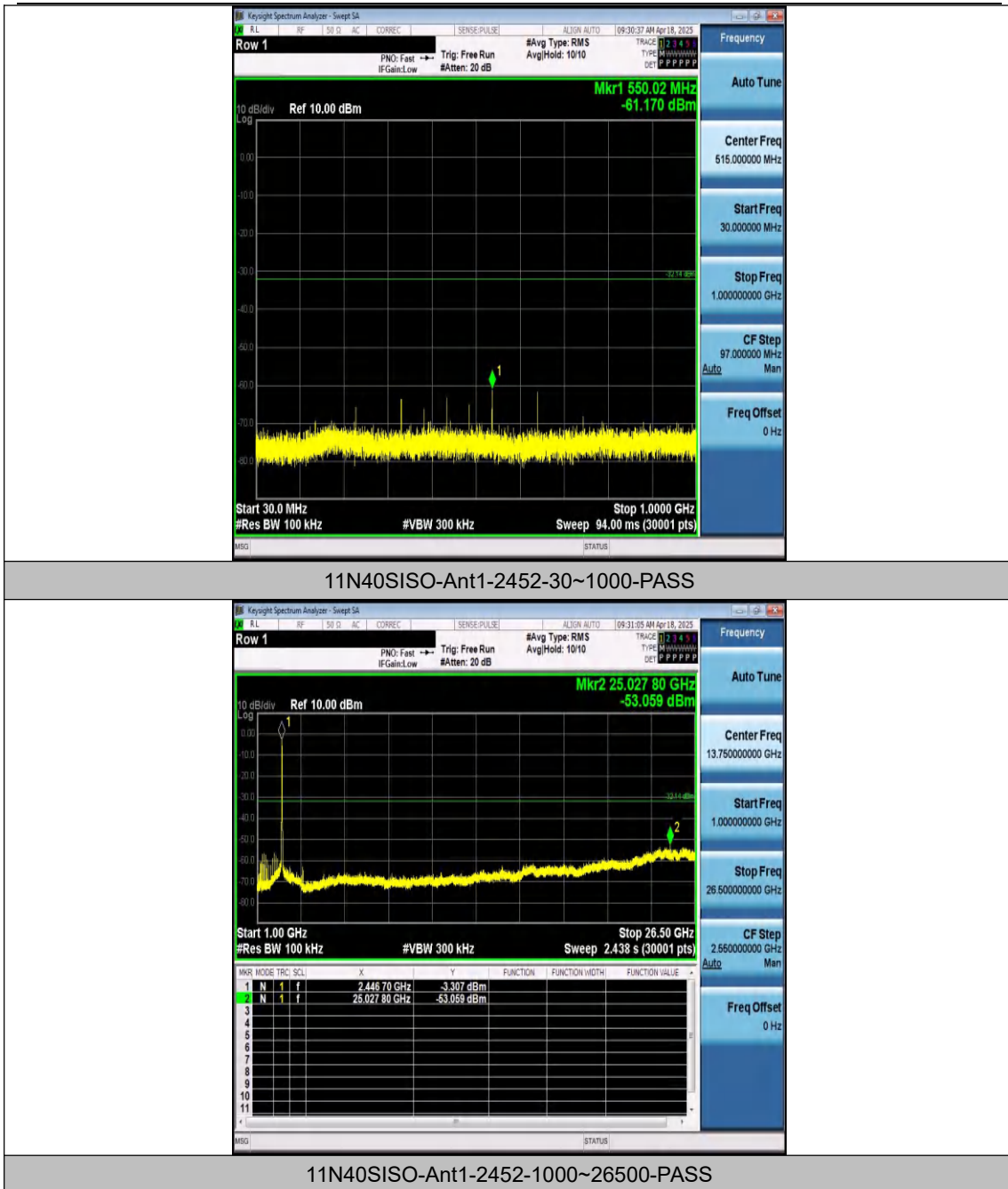




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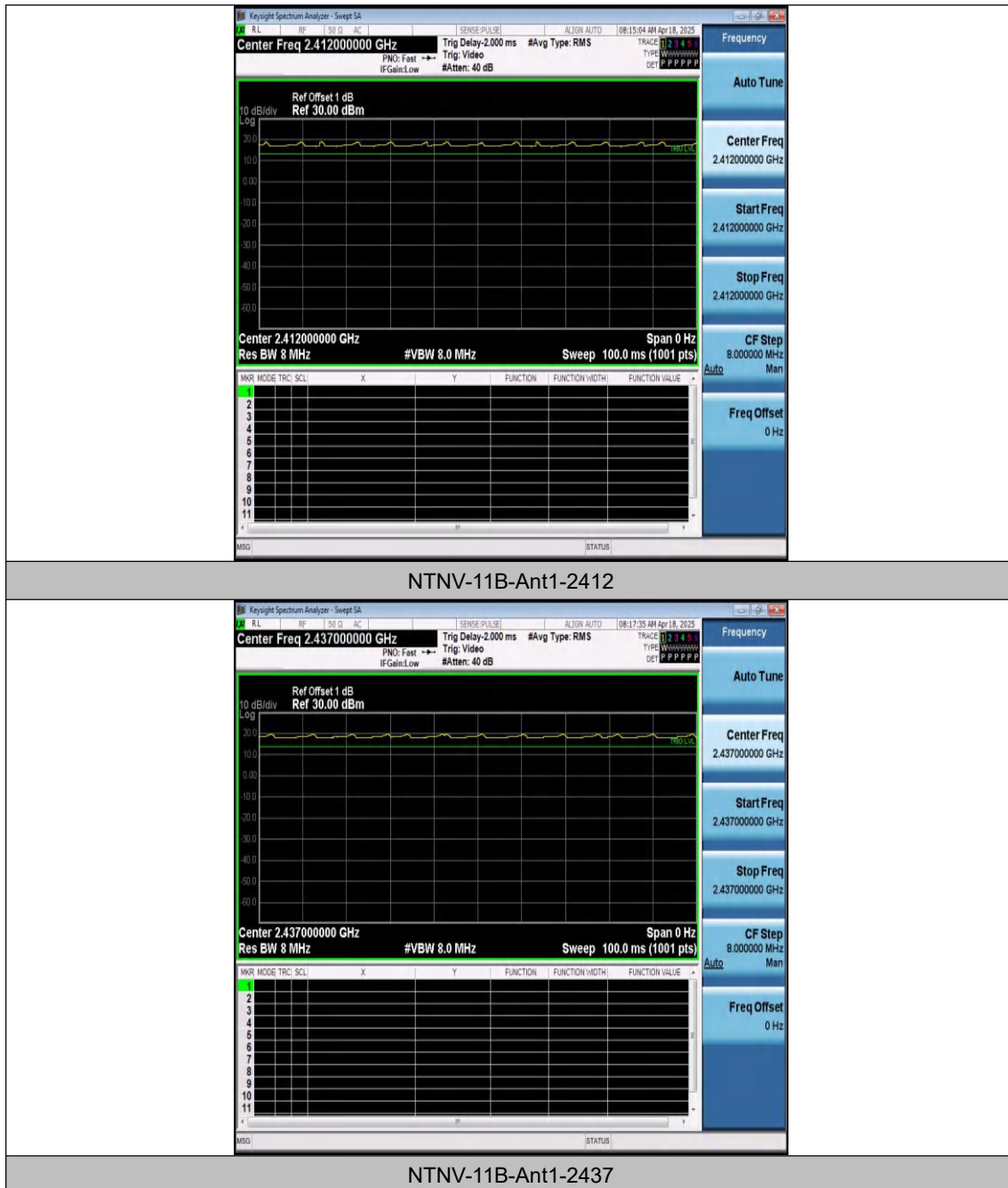
Appendix G: Duty Cycle

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	2.04	2.20	92.73	0.33
11G	Ant1	2437	2.02	2.18	92.66	0.33
11G	Ant1	2462	2.02	2.18	92.66	0.33
11N20SISO	Ant1	2412	1.90	2.06	92.23	0.35
11N20SISO	Ant1	2437	1.88	2.04	92.16	0.35
11N20SISO	Ant1	2462	1.88	2.04	92.16	0.35
11N40SISO	Ant1	2422	0.94	1.12	83.93	0.76
11N40SISO	Ant1	2437	0.92	1.10	83.64	0.78
11N40SISO	Ant1	2452	0.94	1.12	83.93	0.76



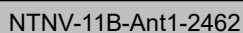
Test Graphs

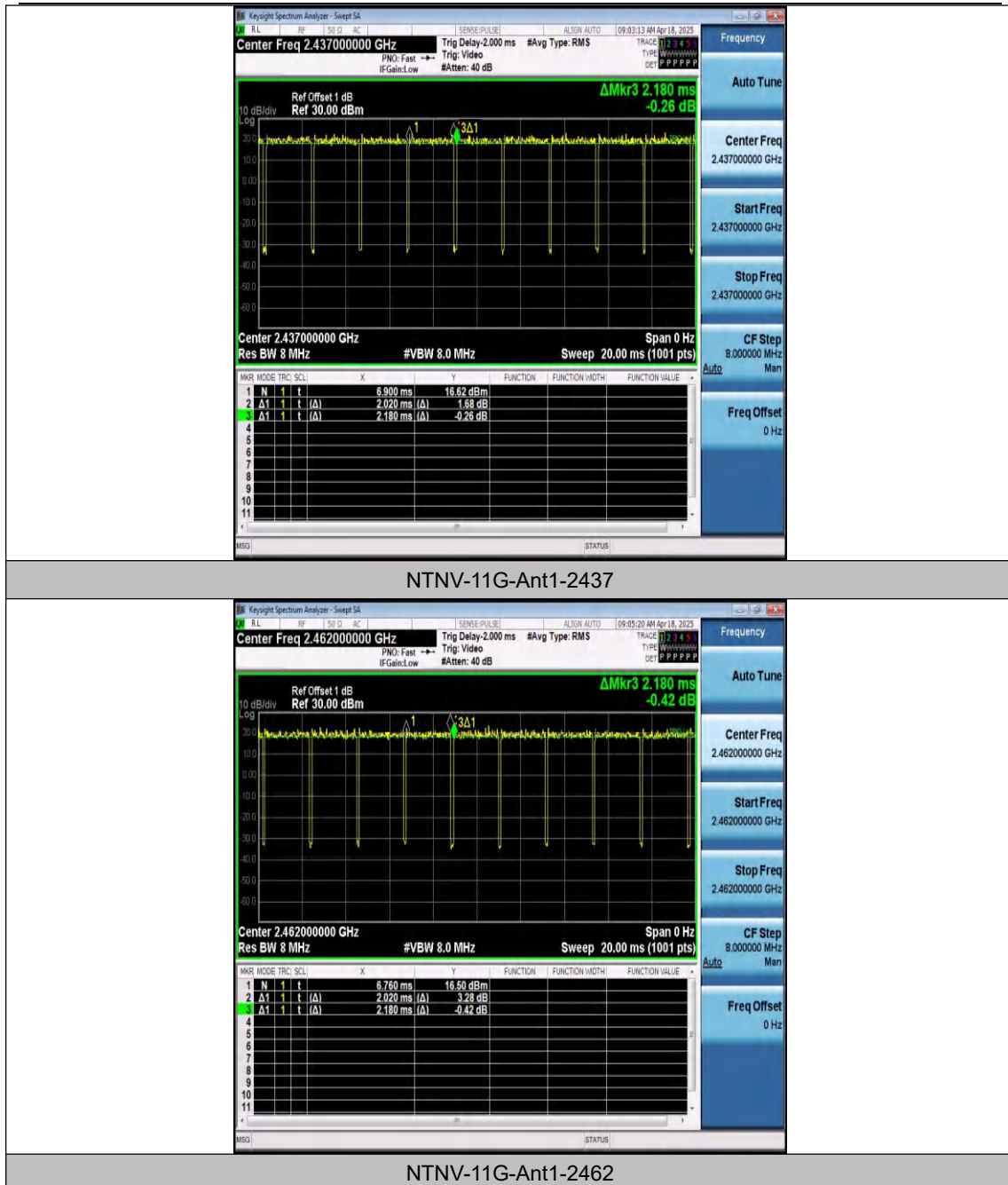


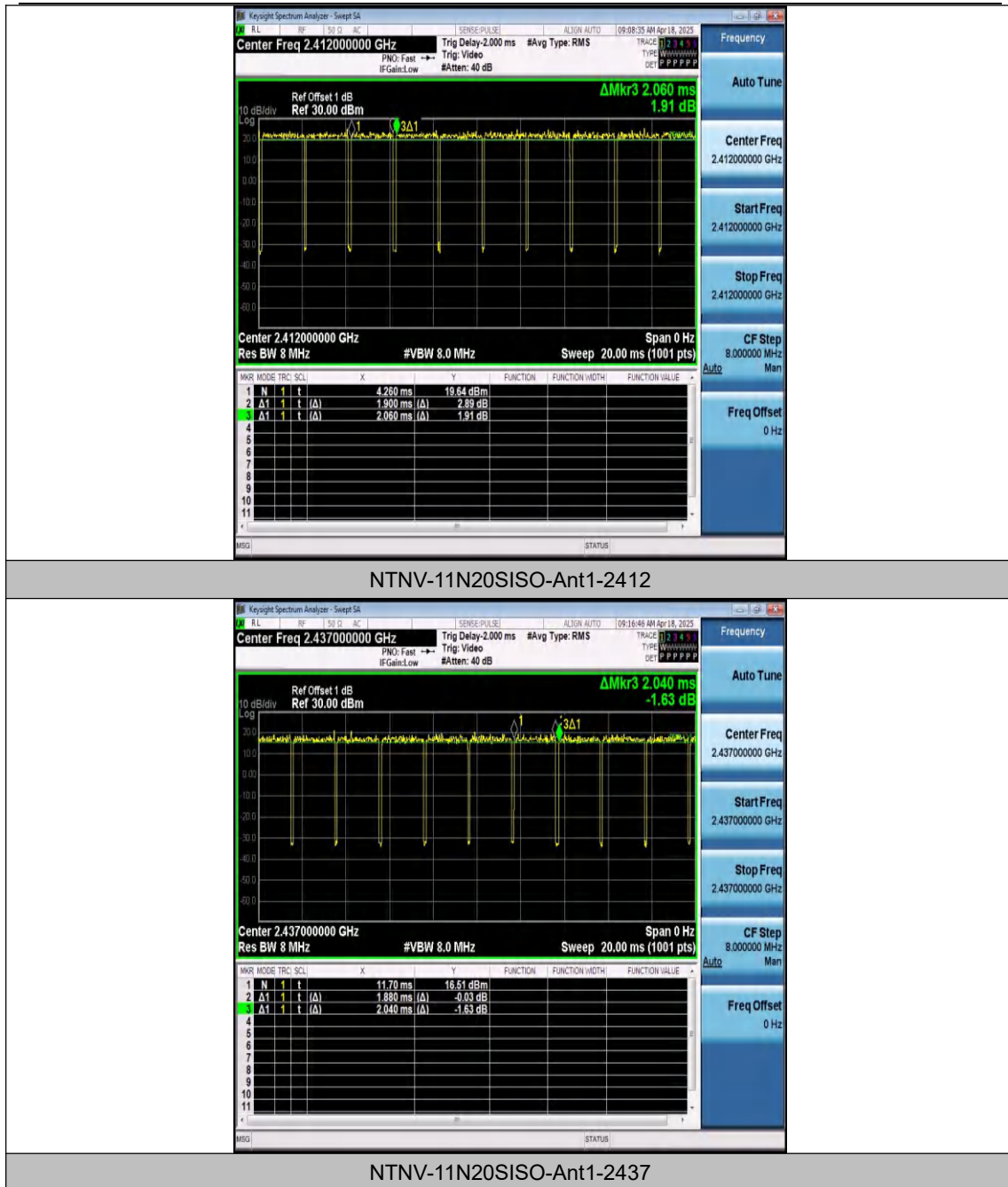
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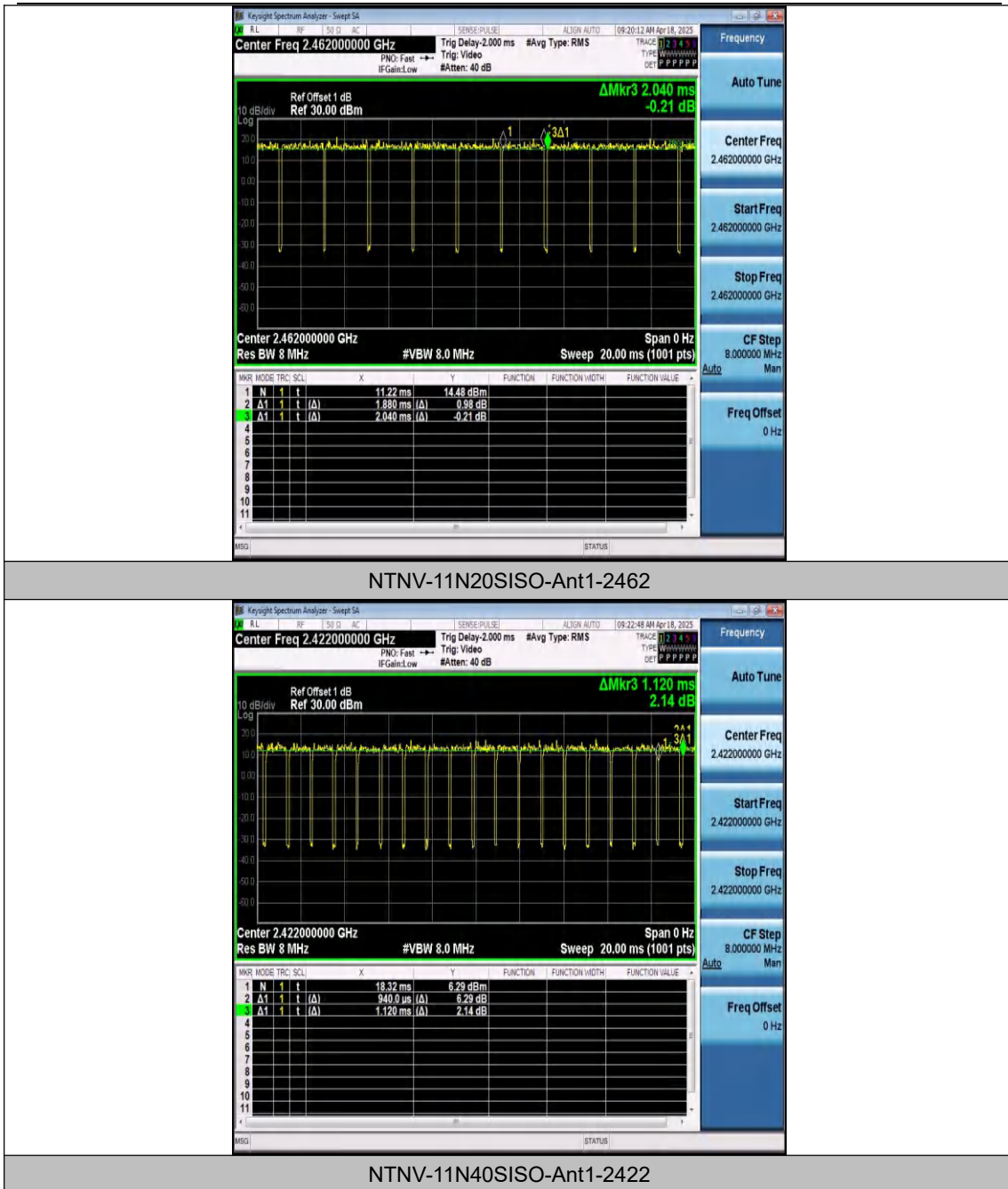
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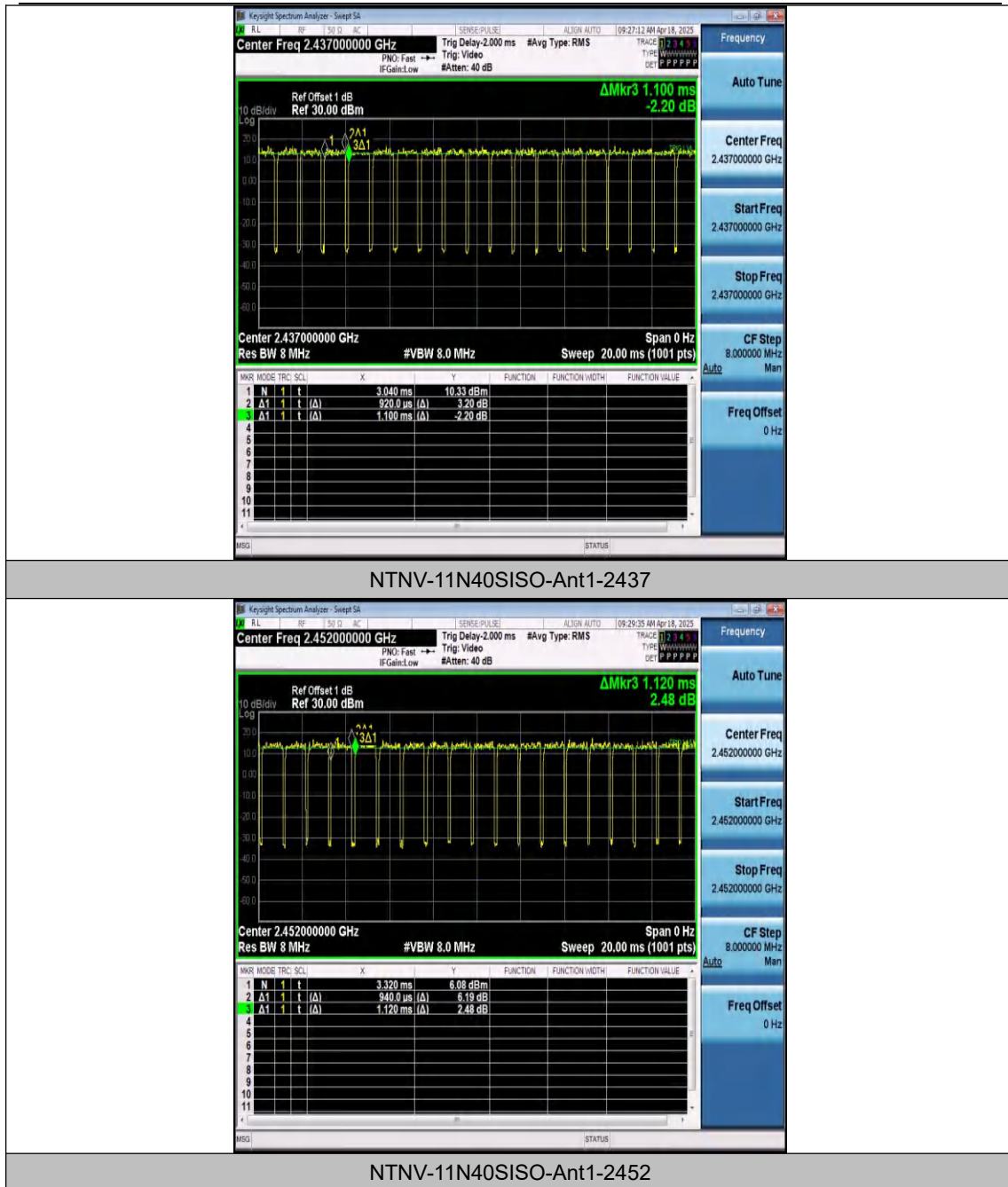




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