

Appendix Test Data

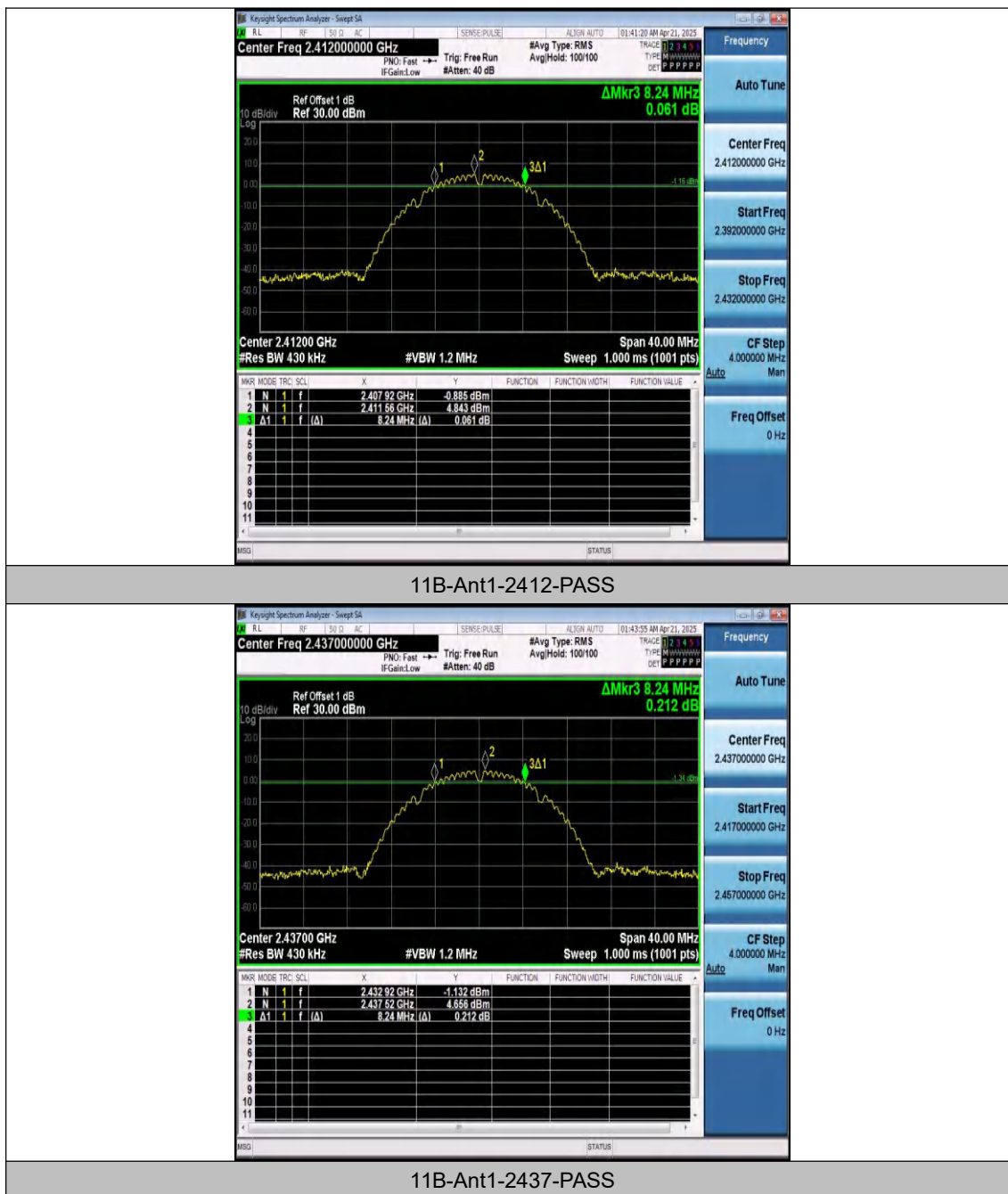
Report No.:	1812C50162712502	Test Sample No.:	1-2-2
Start Test Date:	2025-04-21	Finish Test Date:	2025-04-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.2°C	Relative Humidity:	50%
Pressure:	101kPa		

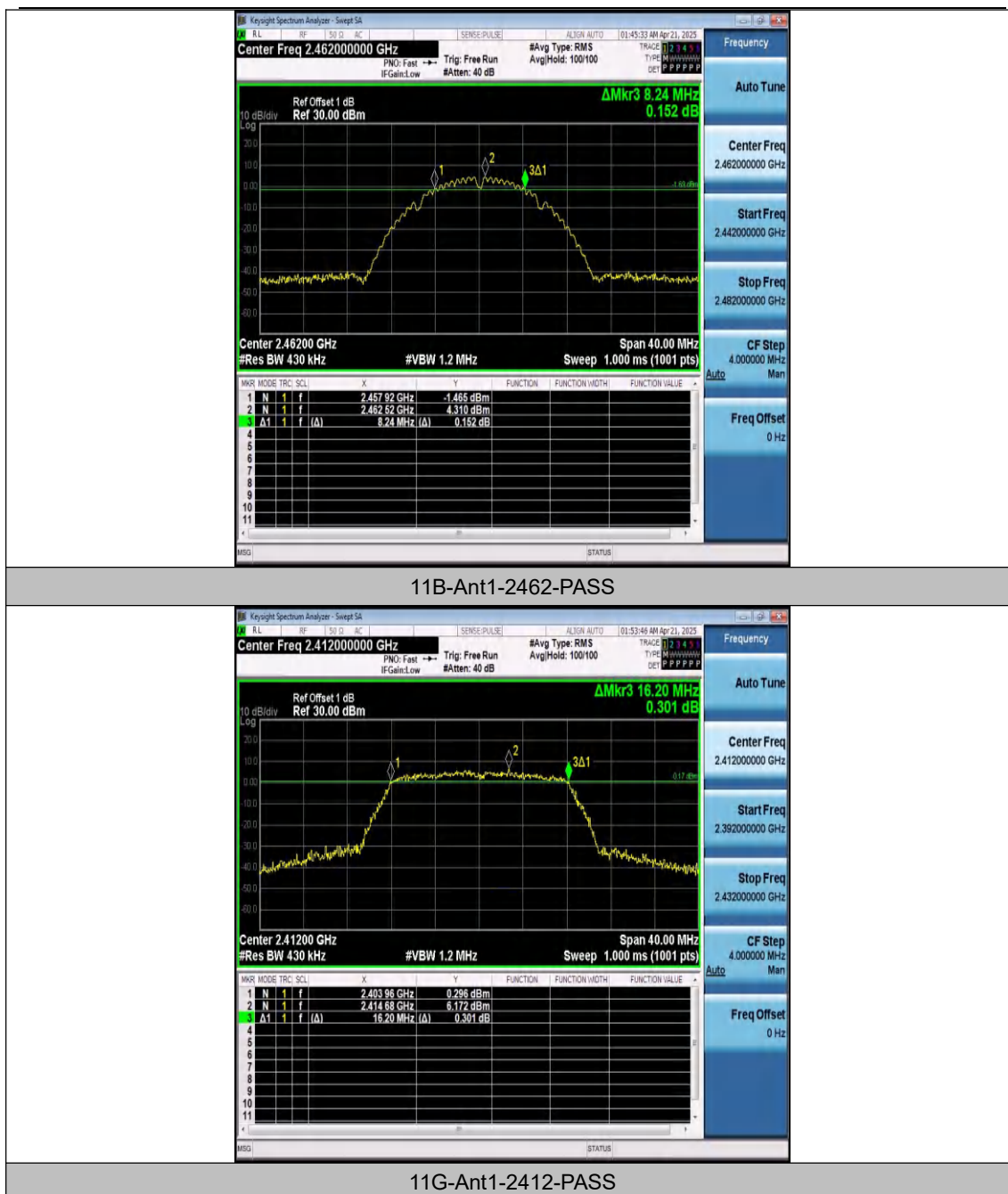
Appendix A: 6dB Bandwidth

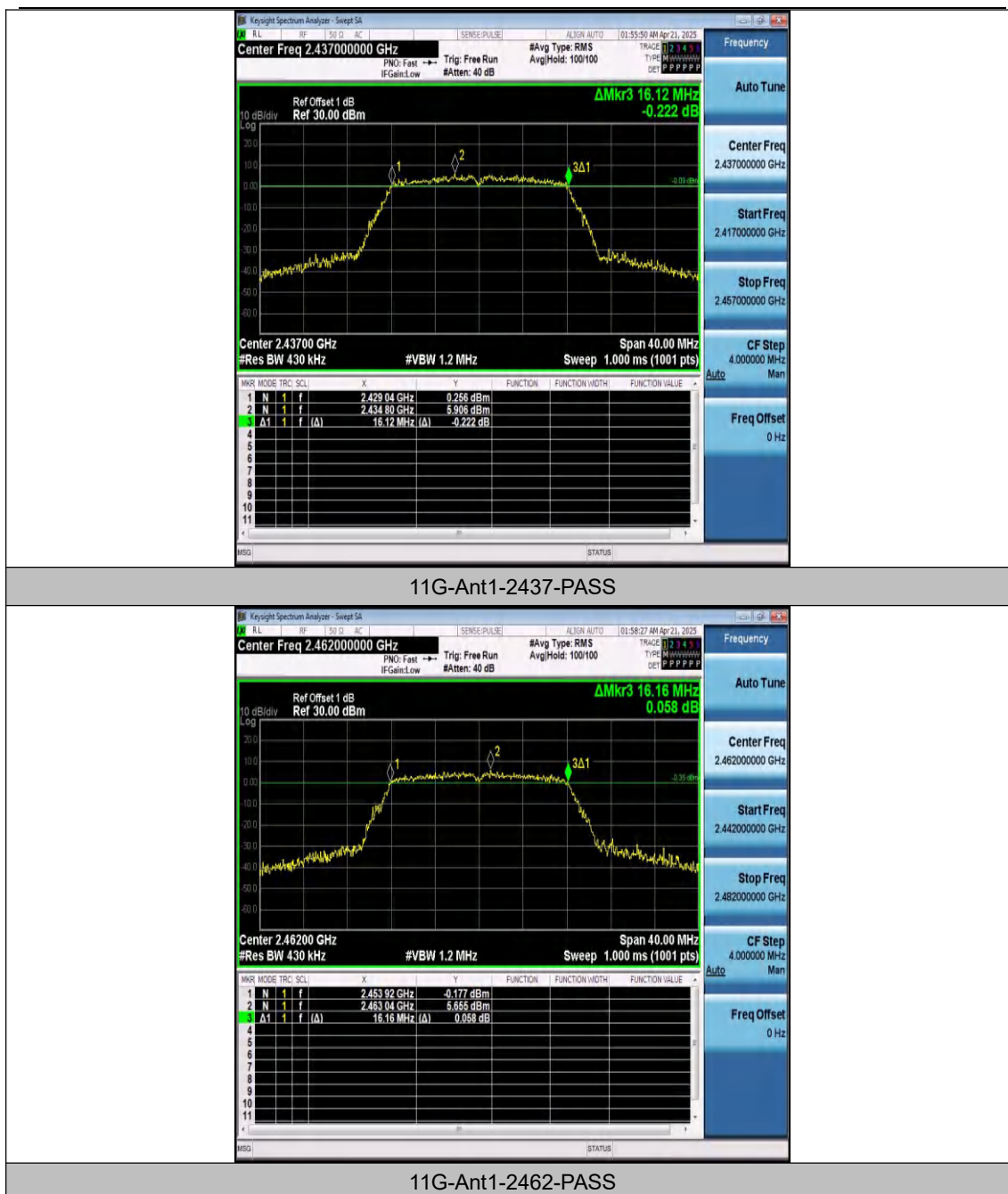
Test Result

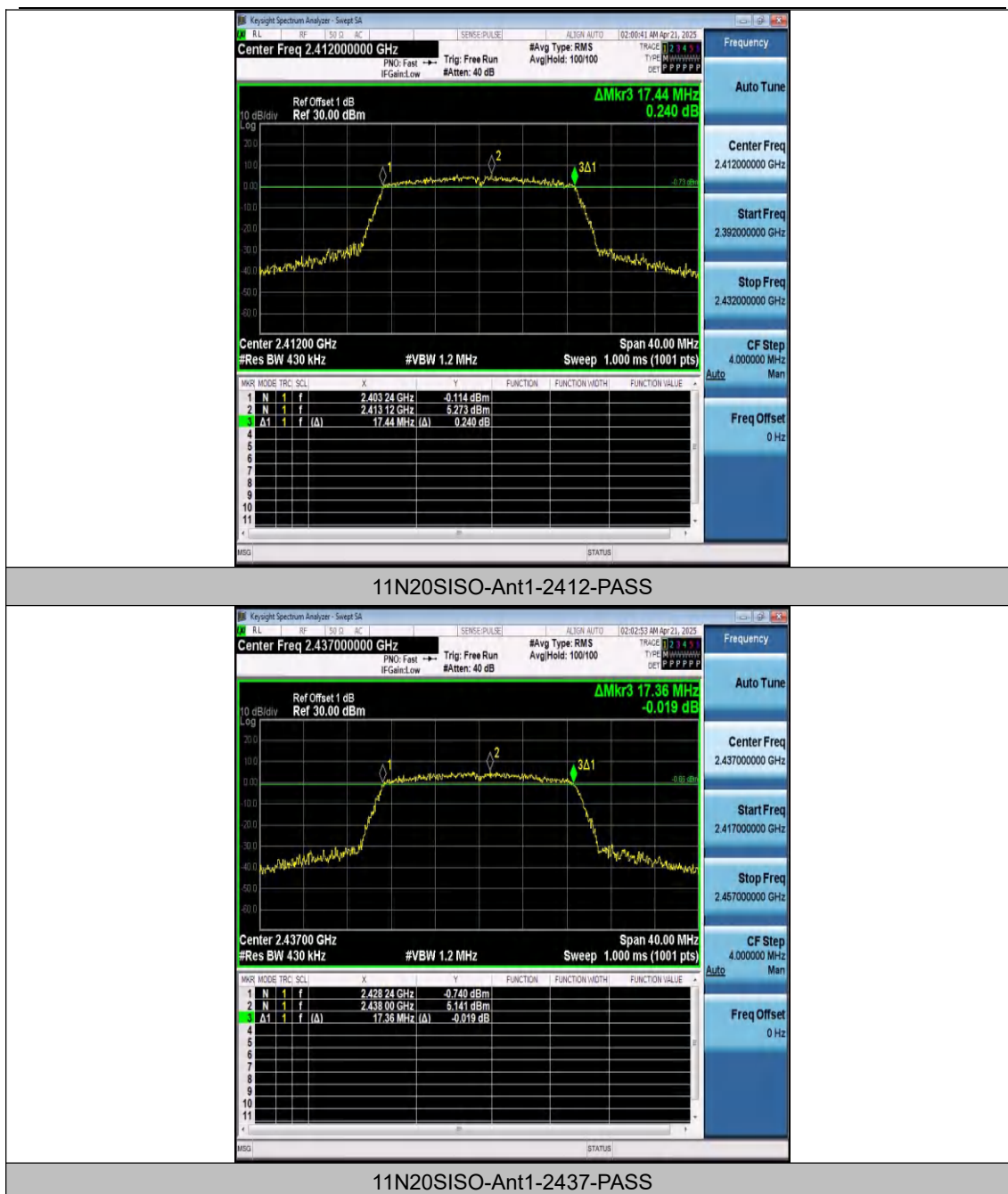
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.920	2416.160	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	16.200	2403.960	2420.160	0.5	PASS
11G	Ant1	2437	16.120	2429.040	2445.160	0.5	PASS
11G	Ant1	2462	16.160	2453.920	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.440	2403.240	2420.680	0.5	PASS
11N20SISO	Ant1	2437	17.360	2428.240	2445.600	0.5	PASS
11N20SISO	Ant1	2462	17.480	2453.280	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.520	2404.400	2439.920	0.5	PASS
11N40SISO	Ant1	2437	35.600	2419.400	2455.000	0.5	PASS
11N40SISO	Ant1	2452	35.680	2434.320	2470.000	0.5	PASS

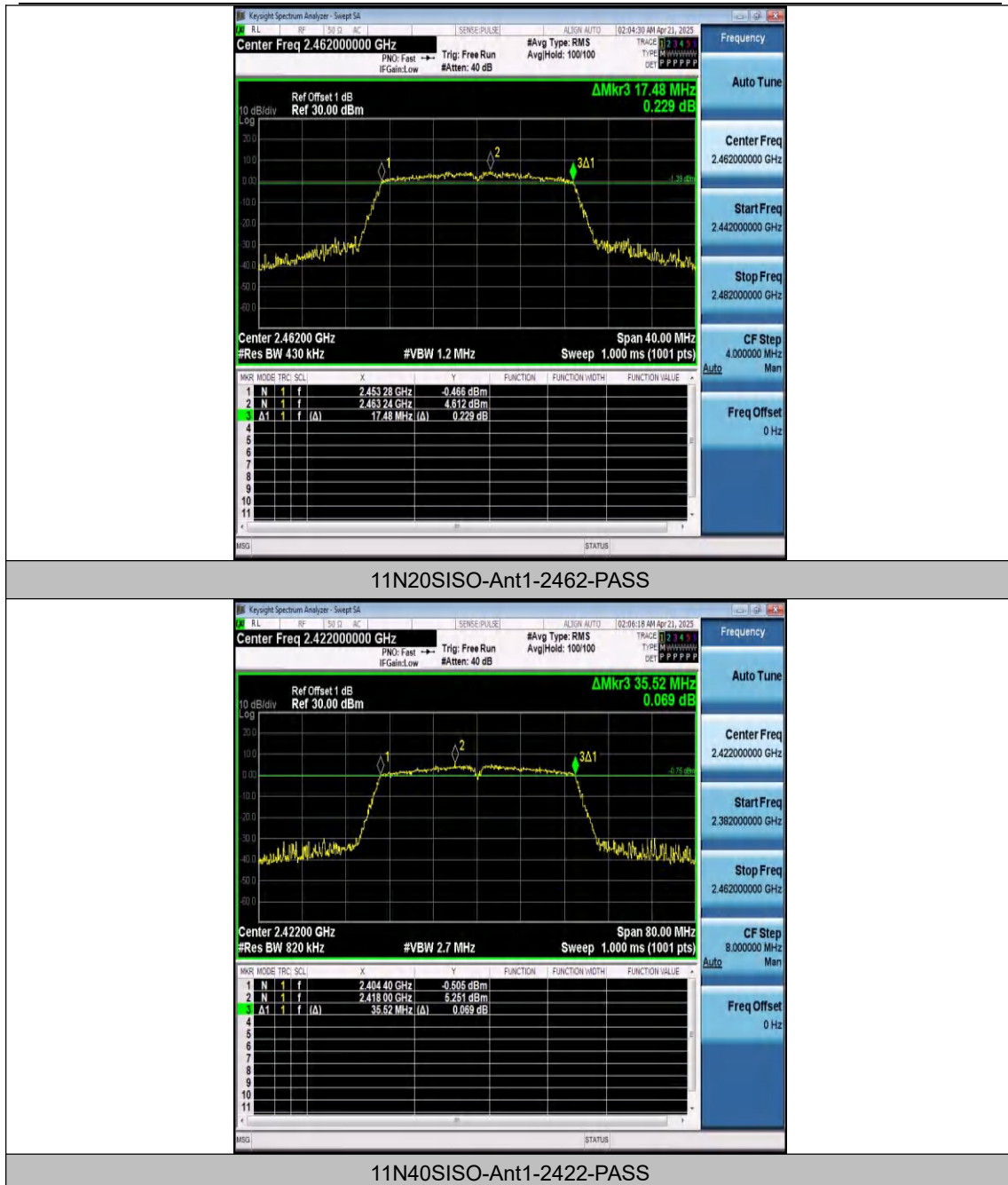
Test Graphs

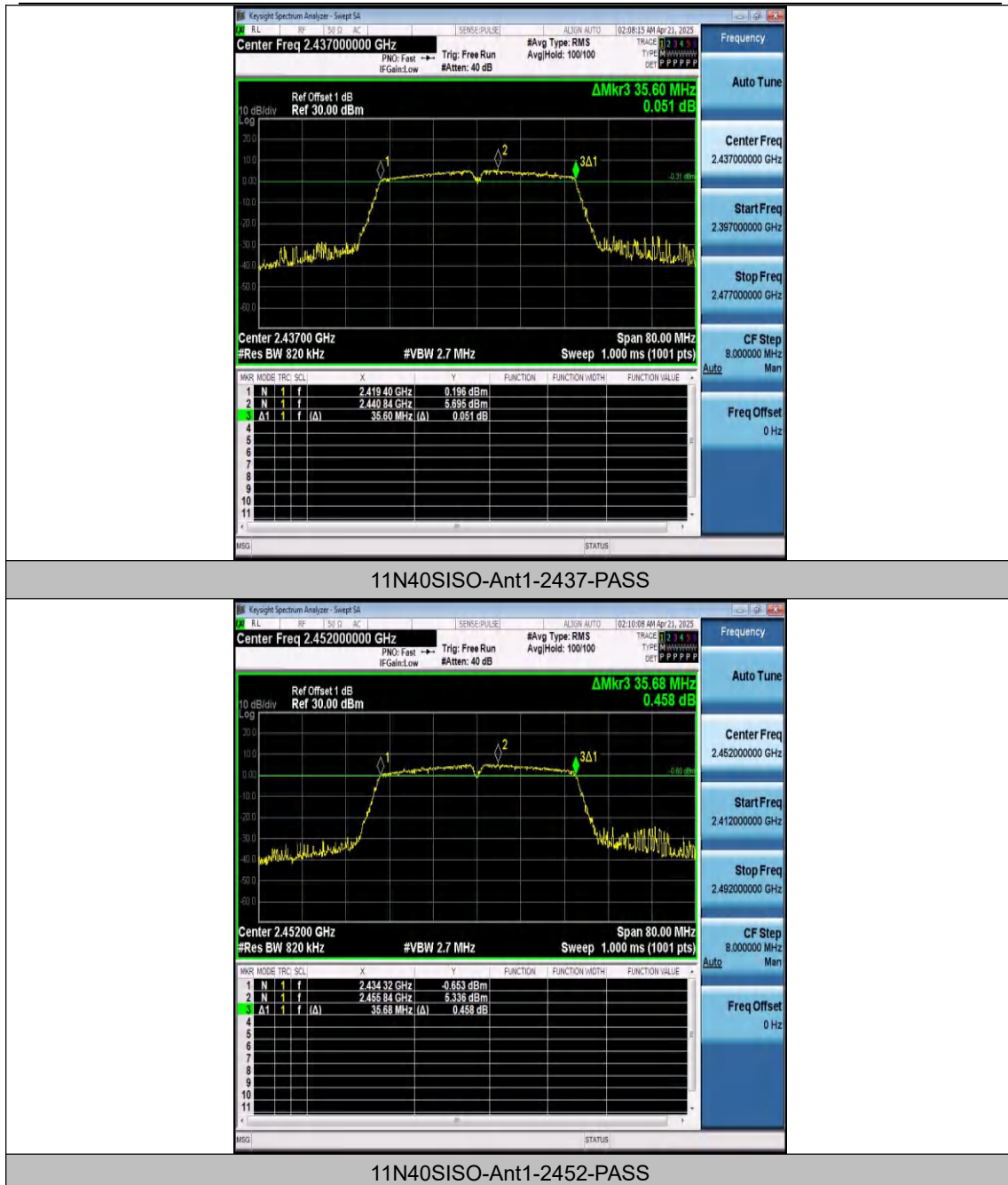












Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.852	2405.6199	2418.4719	---	---
11B	Ant1	2437	12.821	2430.6648	2443.4858	---	---
11B	Ant1	2462	12.807	2455.6616	2468.4686	---	---
11G	Ant1	2412	16.783	2403.6169	2420.3999	---	---
11G	Ant1	2437	16.847	2428.6013	2445.4483	---	---
11G	Ant1	2462	16.869	2453.5531	2470.4221	---	---
11N20SISO	Ant1	2412	17.863	2403.1222	2420.9852	---	---
11N20SISO	Ant1	2437	17.849	2428.1175	2445.9665	---	---
11N20SISO	Ant1	2462	17.781	2453.1646	2470.9456	---	---
11N40SISO	Ant1	2422	36.106	2404.0788	2440.1848	---	---
11N40SISO	Ant1	2437	36.191	2419.0652	2455.2562	---	---
11N40SISO	Ant1	2452	36.179	2434.1297	2470.3087	---	---

Test Graphs



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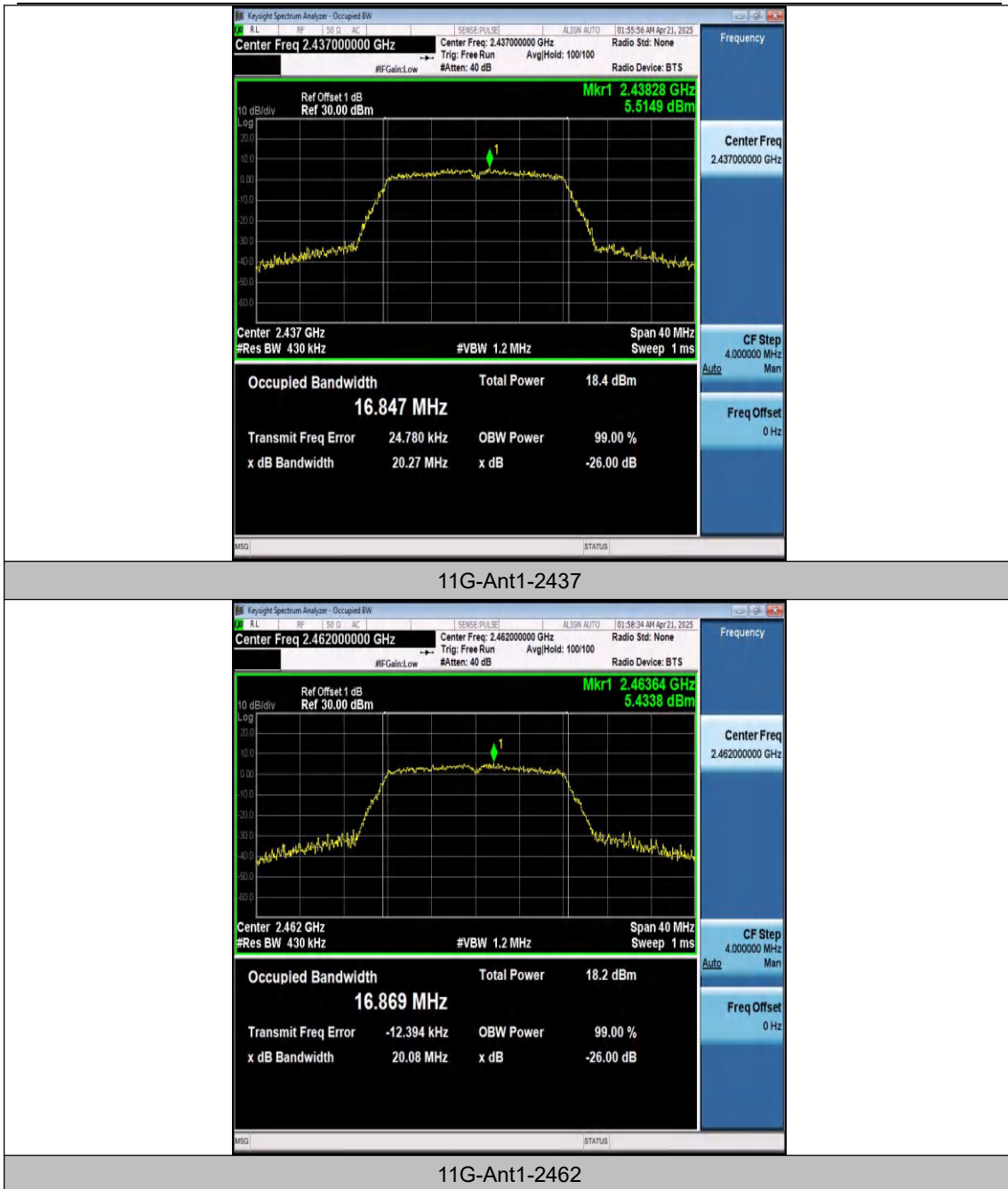
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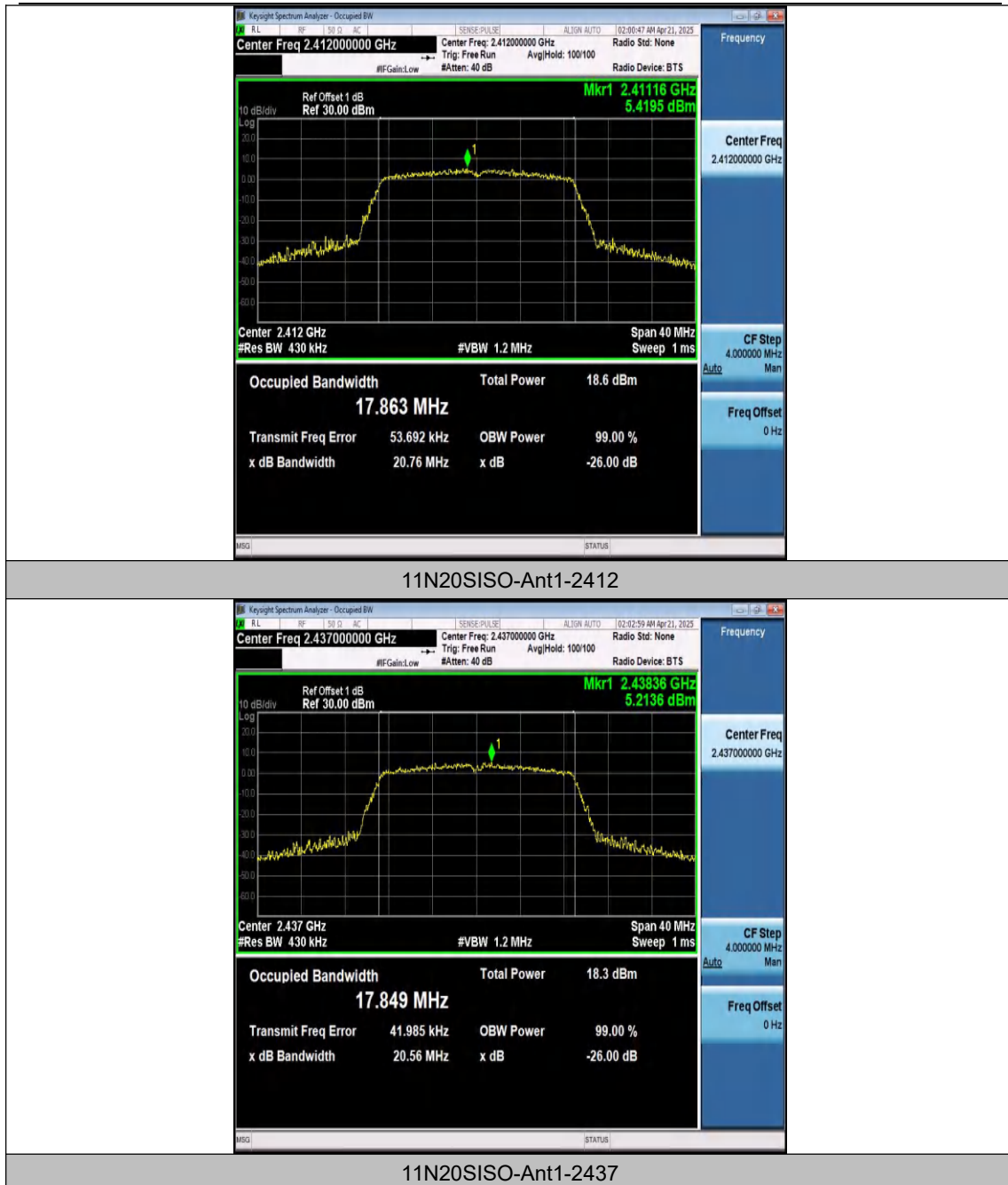


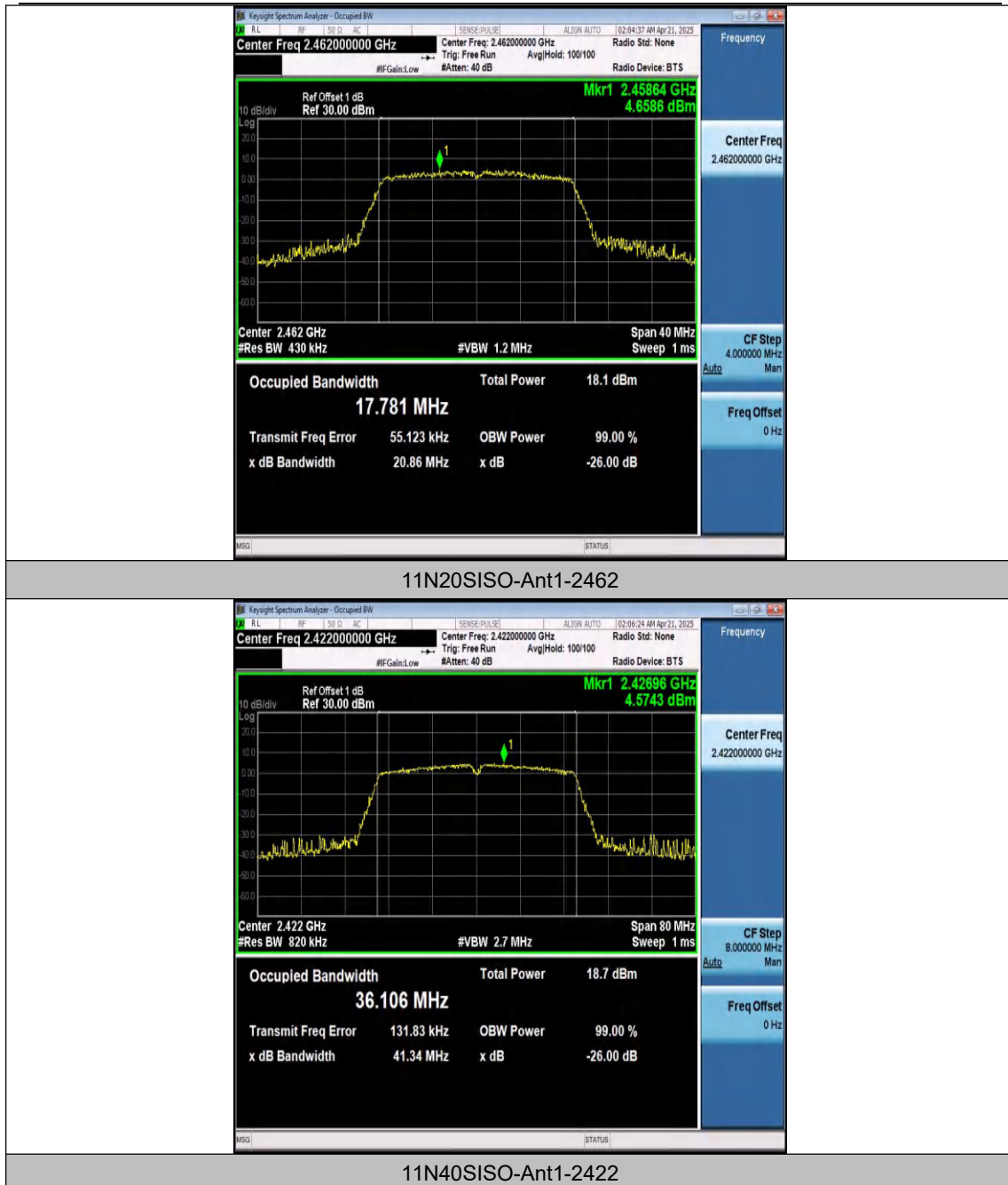
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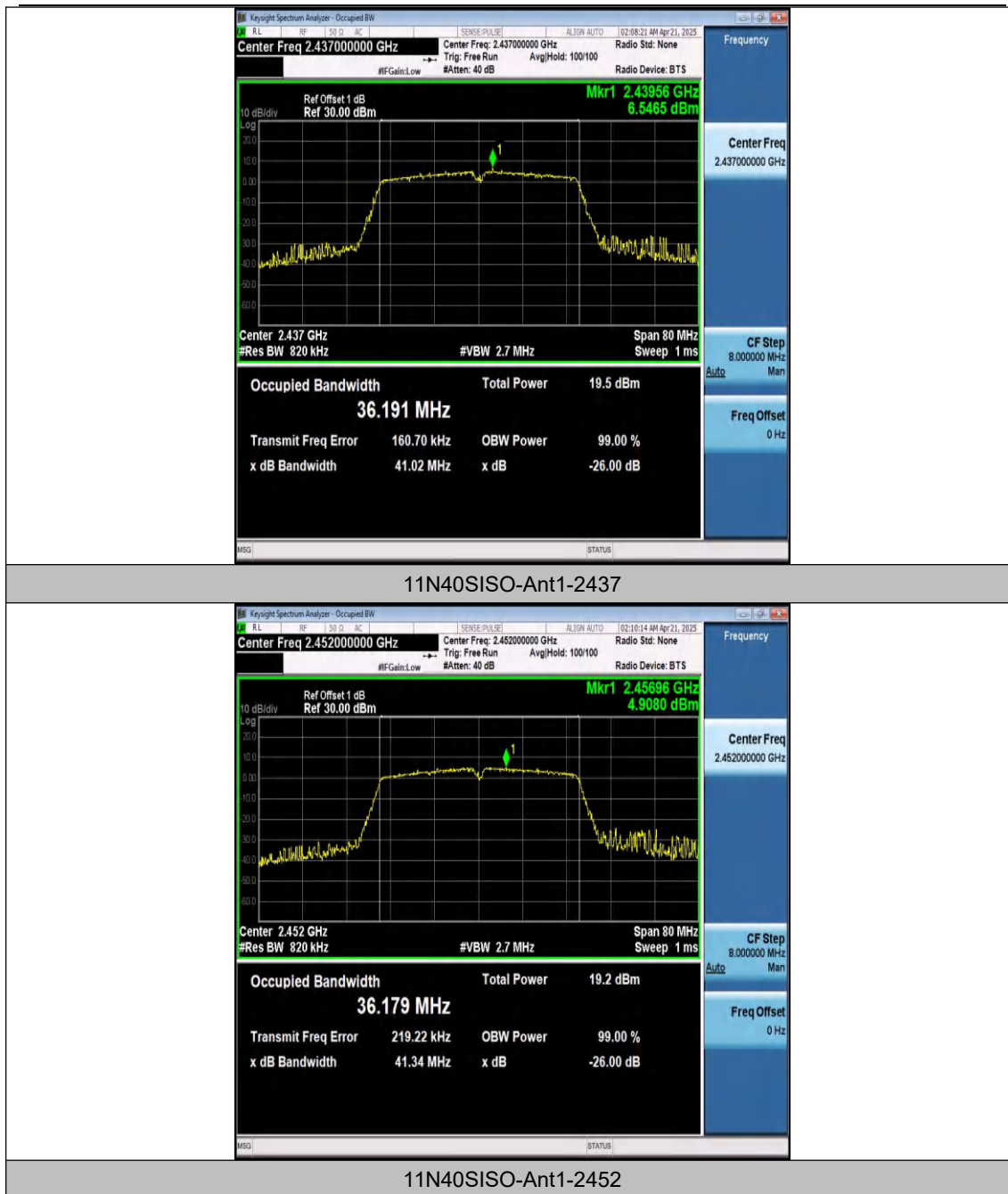
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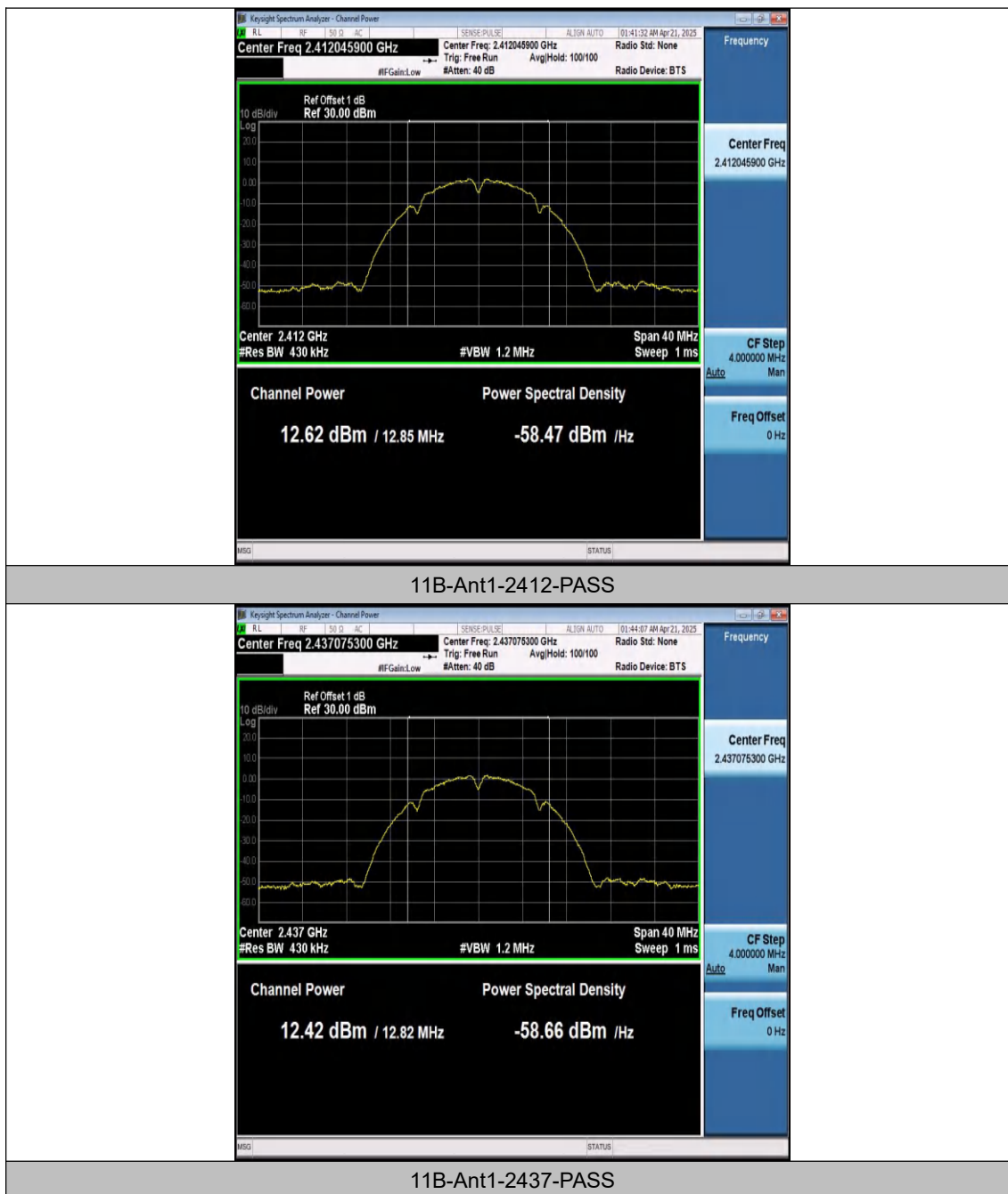
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.62	100.00	0.00	12.62	≤30.00	PASS
11B	Ant1	2437	12.42	100.00	0.00	12.42	≤30.00	PASS
11B	Ant1	2462	12.05	100.00	0.00	12.05	≤30.00	PASS
11G	Ant1	2412	12.55	100.00	0.00	12.55	≤30.00	PASS
11G	Ant1	2437	12.29	100.00	0.00	12.29	≤30.00	PASS
11G	Ant1	2462	12.05	100.00	0.00	12.05	≤30.00	PASS
11N20SISO	Ant1	2412	12.44	100.00	0.00	12.44	≤30.00	PASS
11N20SISO	Ant1	2437	12.21	100.00	0.00	12.21	≤30.00	PASS
11N20SISO	Ant1	2462	11.91	100.00	0.00	11.91	≤30.00	PASS
11N40SISO	Ant1	2422	11.47	100.00	0.00	11.47	≤30.00	PASS
11N40SISO	Ant1	2437	12.28	100.00	0.00	12.28	≤30.00	PASS
11N40SISO	Ant1	2452	12.11	100.00	0.00	12.11	≤30.00	PASS

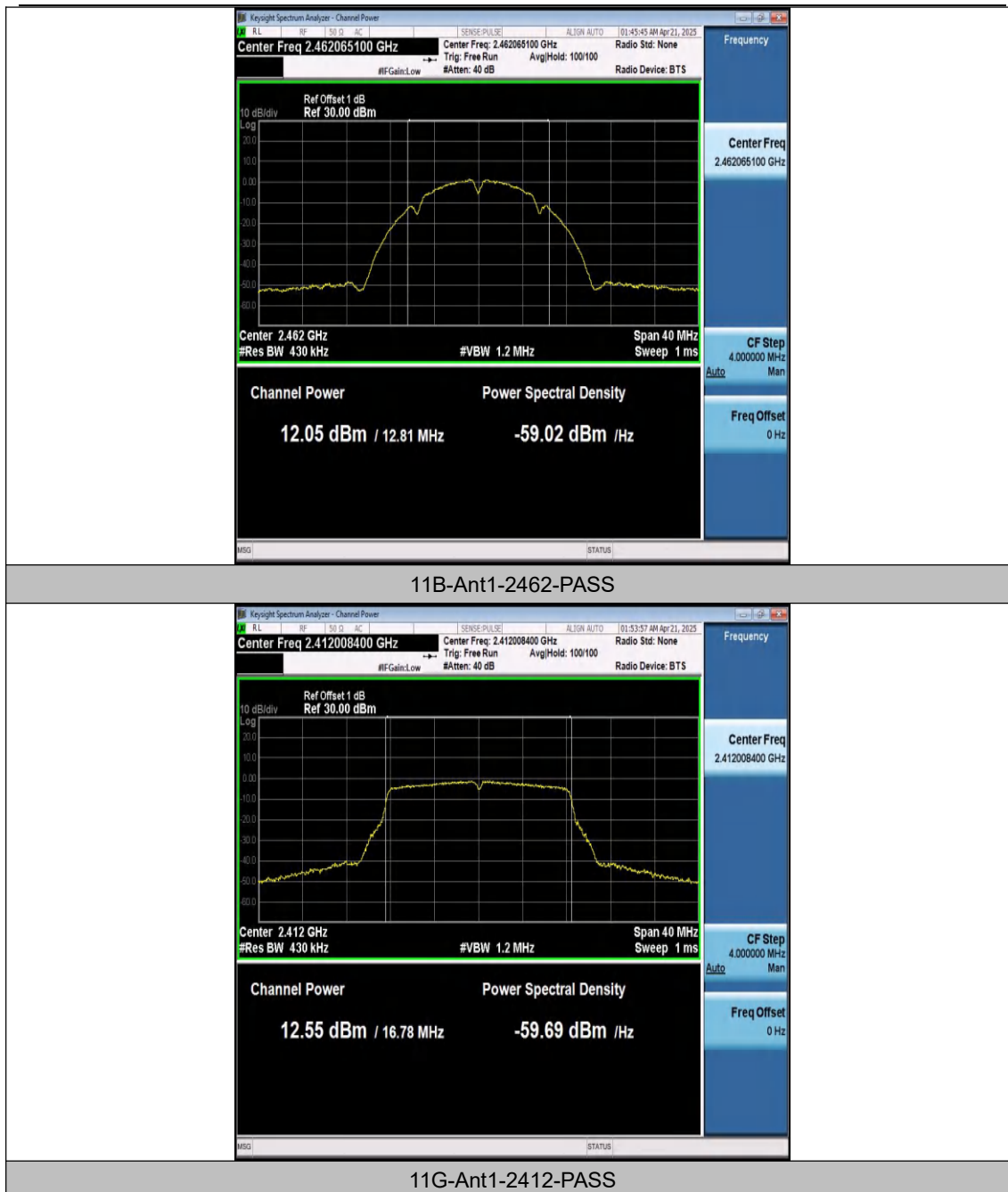
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

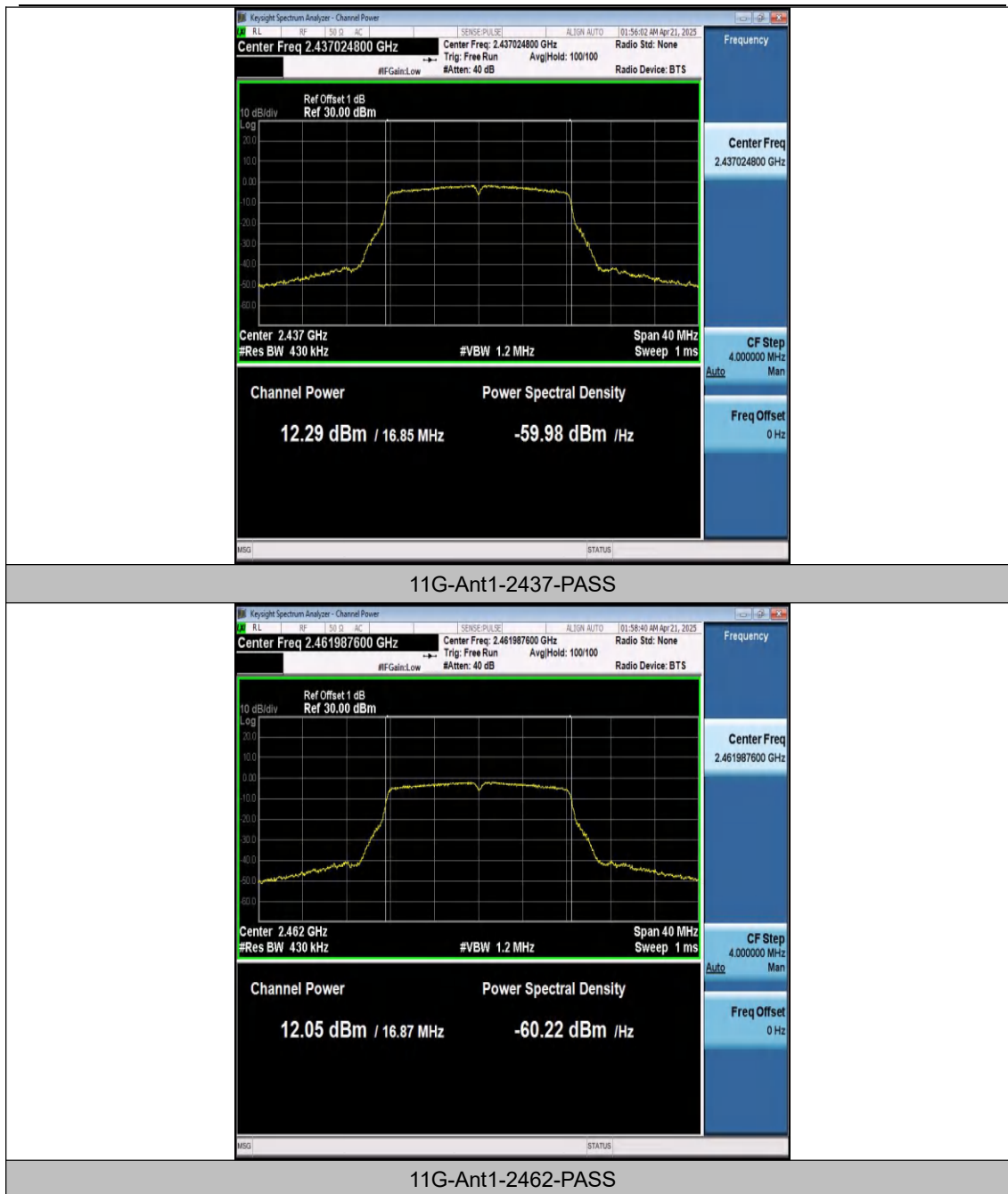
Test Graphs Average

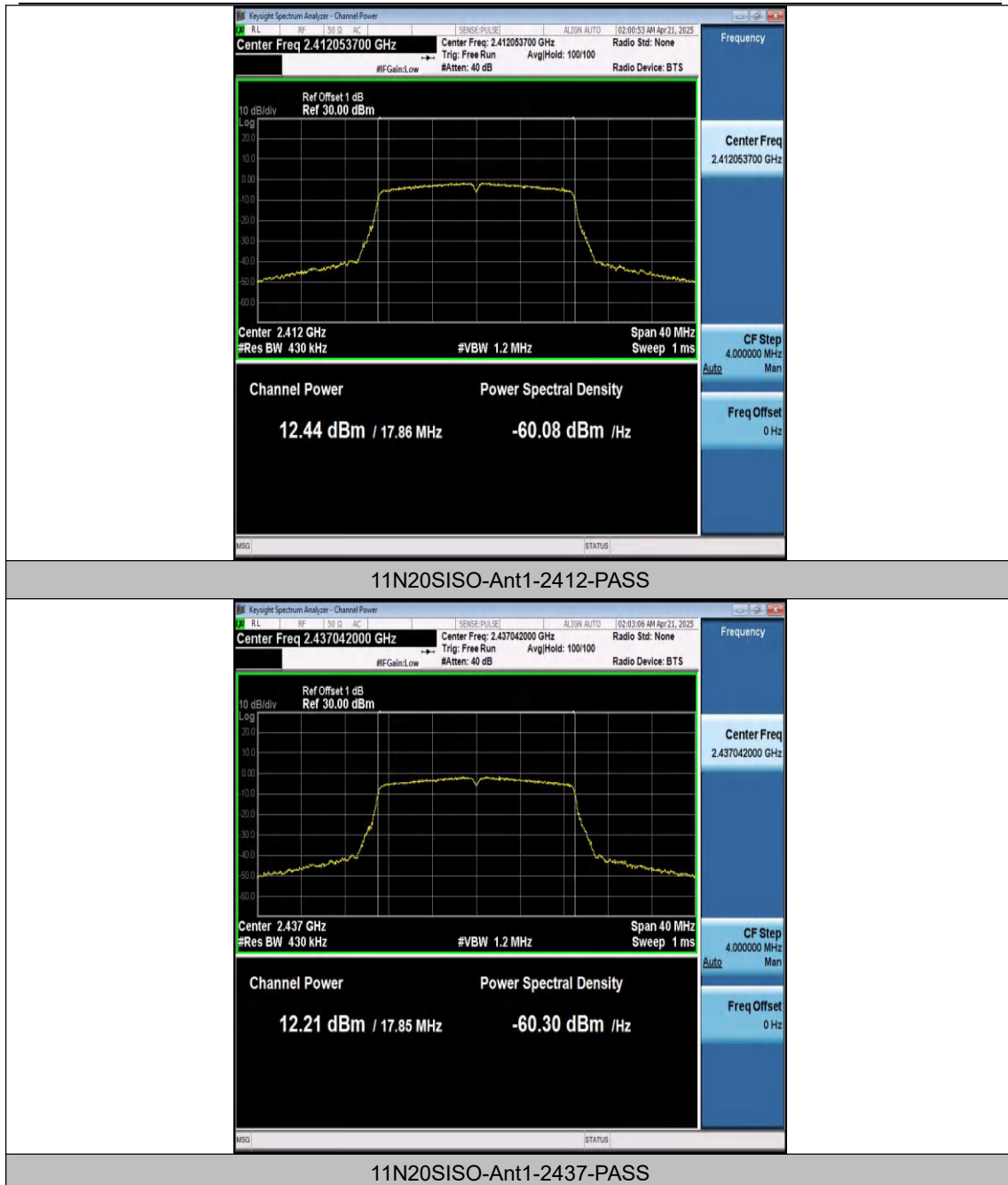


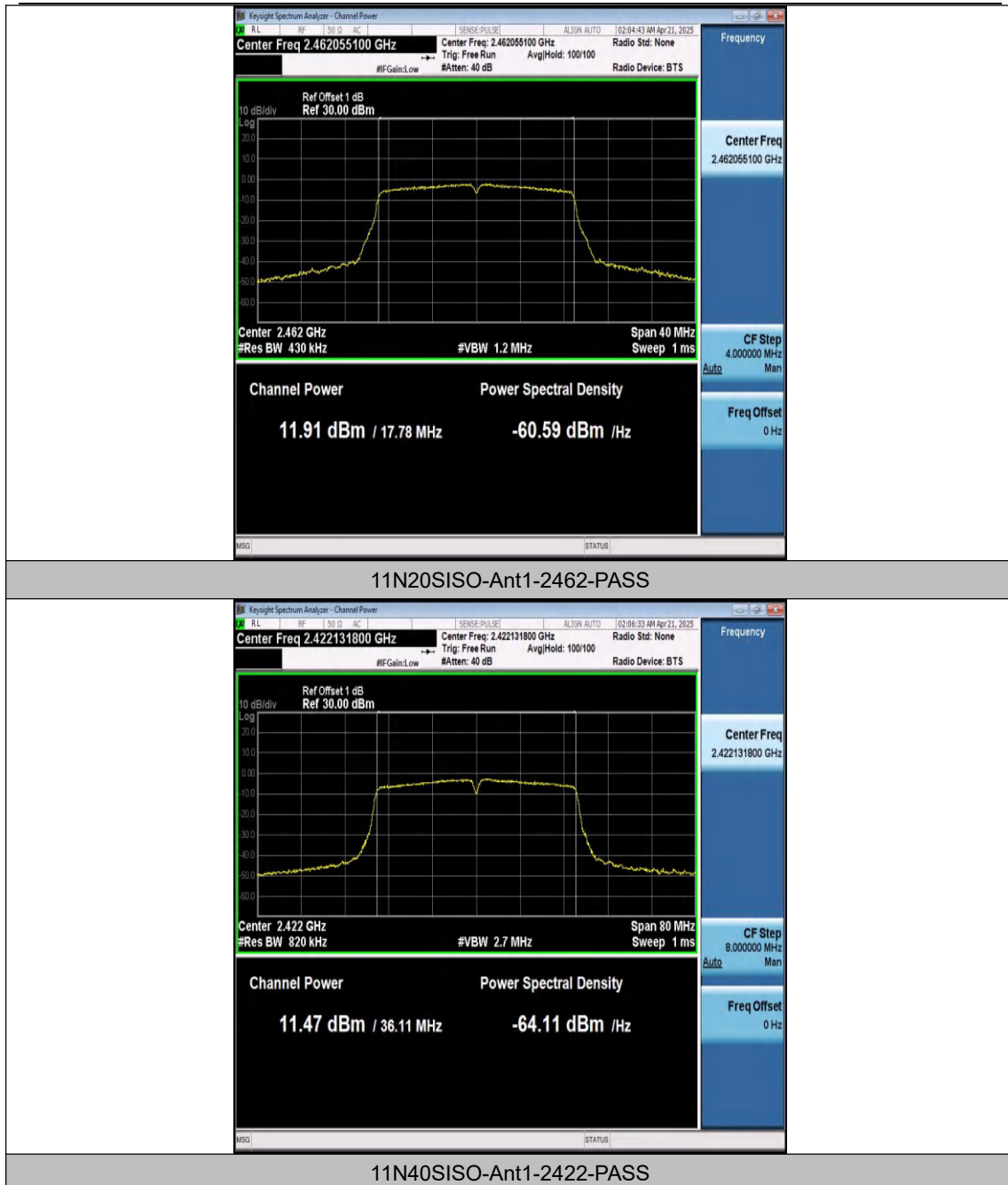
11B-Ant1-2412-PASS

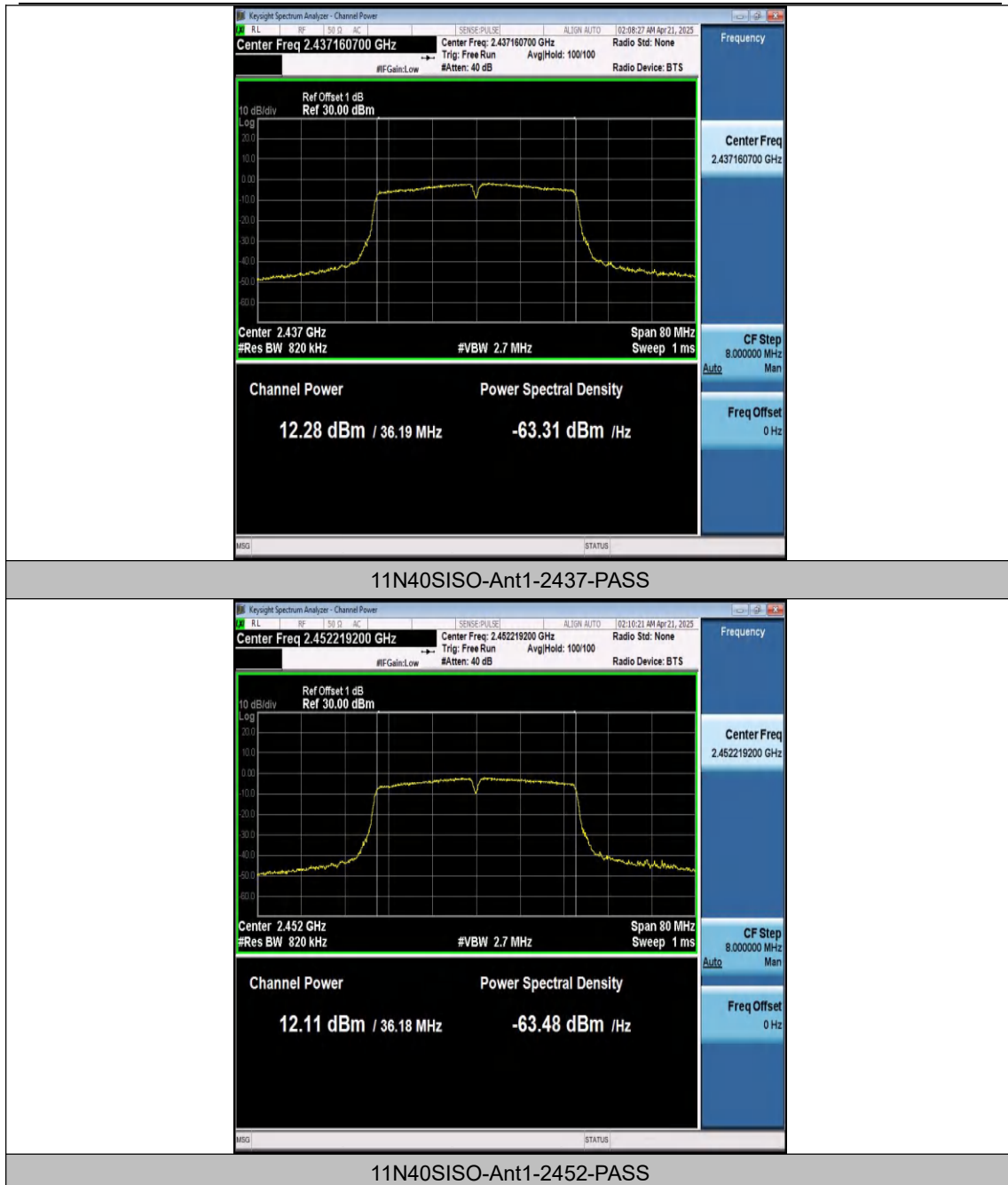
11B-Ant1-2437-PASS











Appendix D: Maximum power spectral density

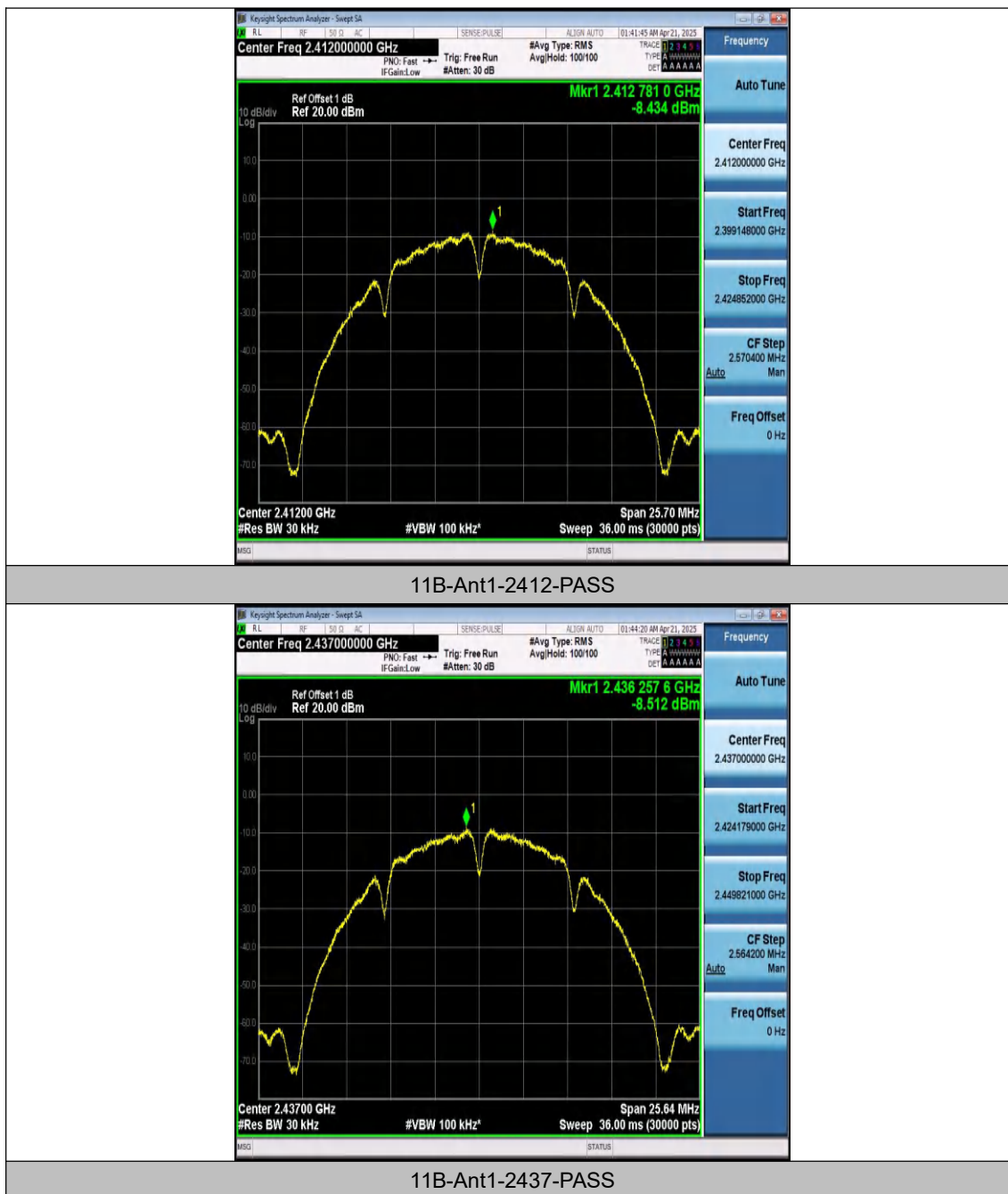
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.43	-18.43	≤8.00	PASS
11B	Ant1	2437	-8.51	-18.51	≤8.00	PASS
11B	Ant1	2462	-9.17	-19.17	≤8.00	PASS
11G	Ant1	2412	-10.73	-20.73	≤8.00	PASS
11G	Ant1	2437	-11.27	-21.27	≤8.00	PASS
11G	Ant1	2462	-11.42	-21.42	≤8.00	PASS
11N20SISO	Ant1	2412	-10.49	-20.49	≤8.00	PASS
11N20SISO	Ant1	2437	-11.62	-21.62	≤8.00	PASS
11N20SISO	Ant1	2462	-11.18	-21.18	≤8.00	PASS
11N40SISO	Ant1	2422	-14.32	-24.32	≤8.00	PASS
11N40SISO	Ant1	2437	-13.69	-23.69	≤8.00	PASS
11N40SISO	Ant1	2452	-13.49	-23.49	≤8.00	PASS

Note:

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

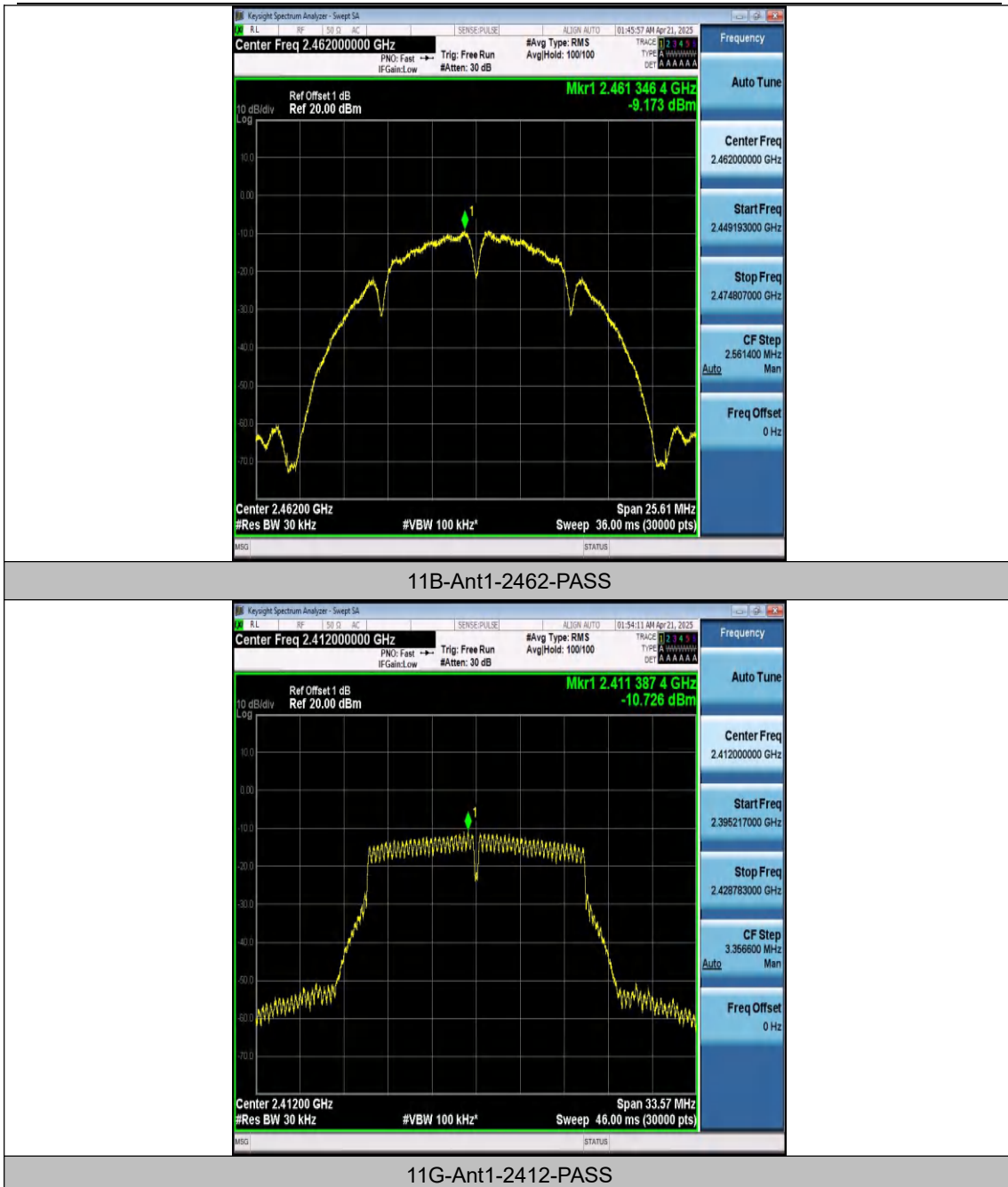
Test Graphs

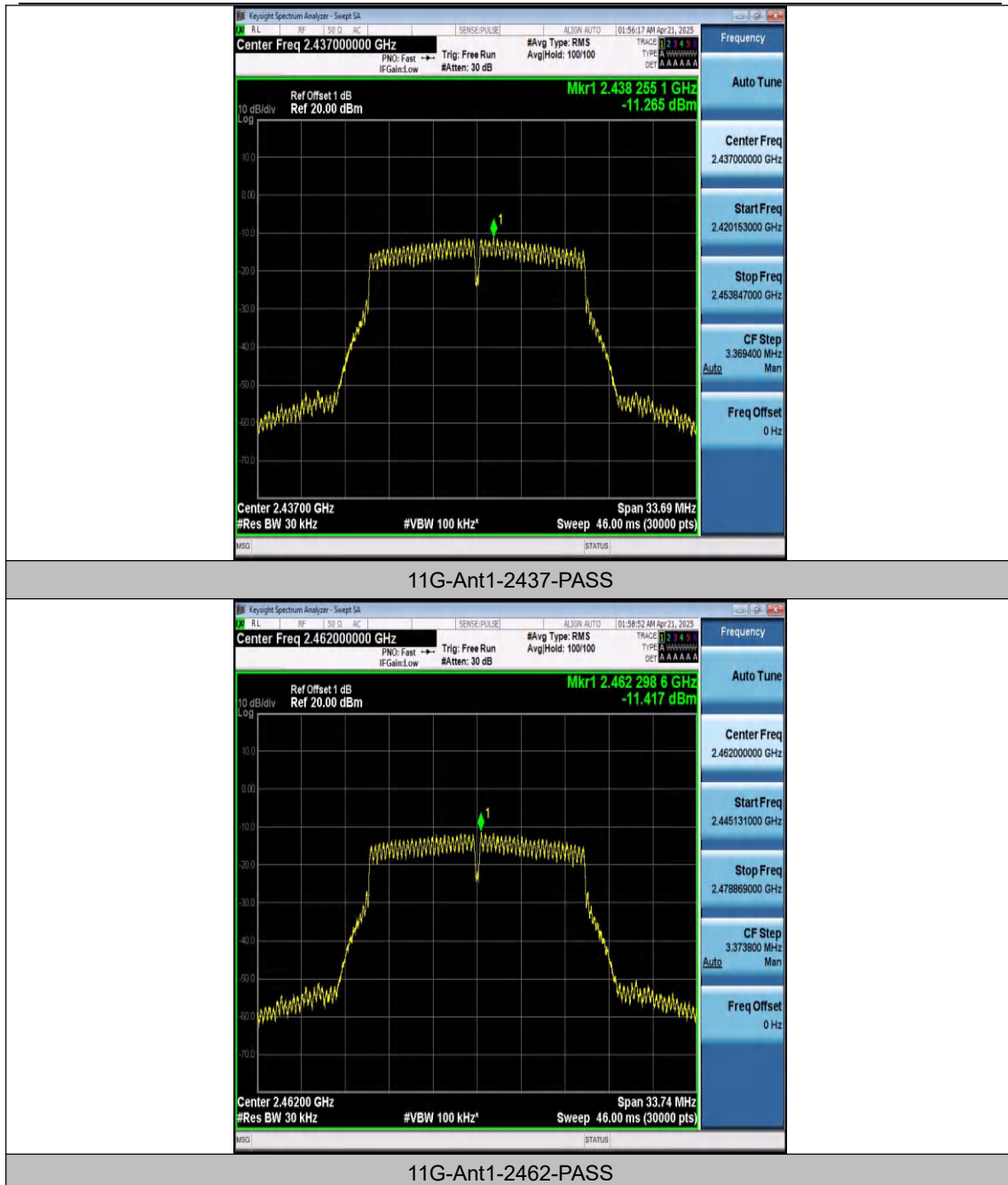


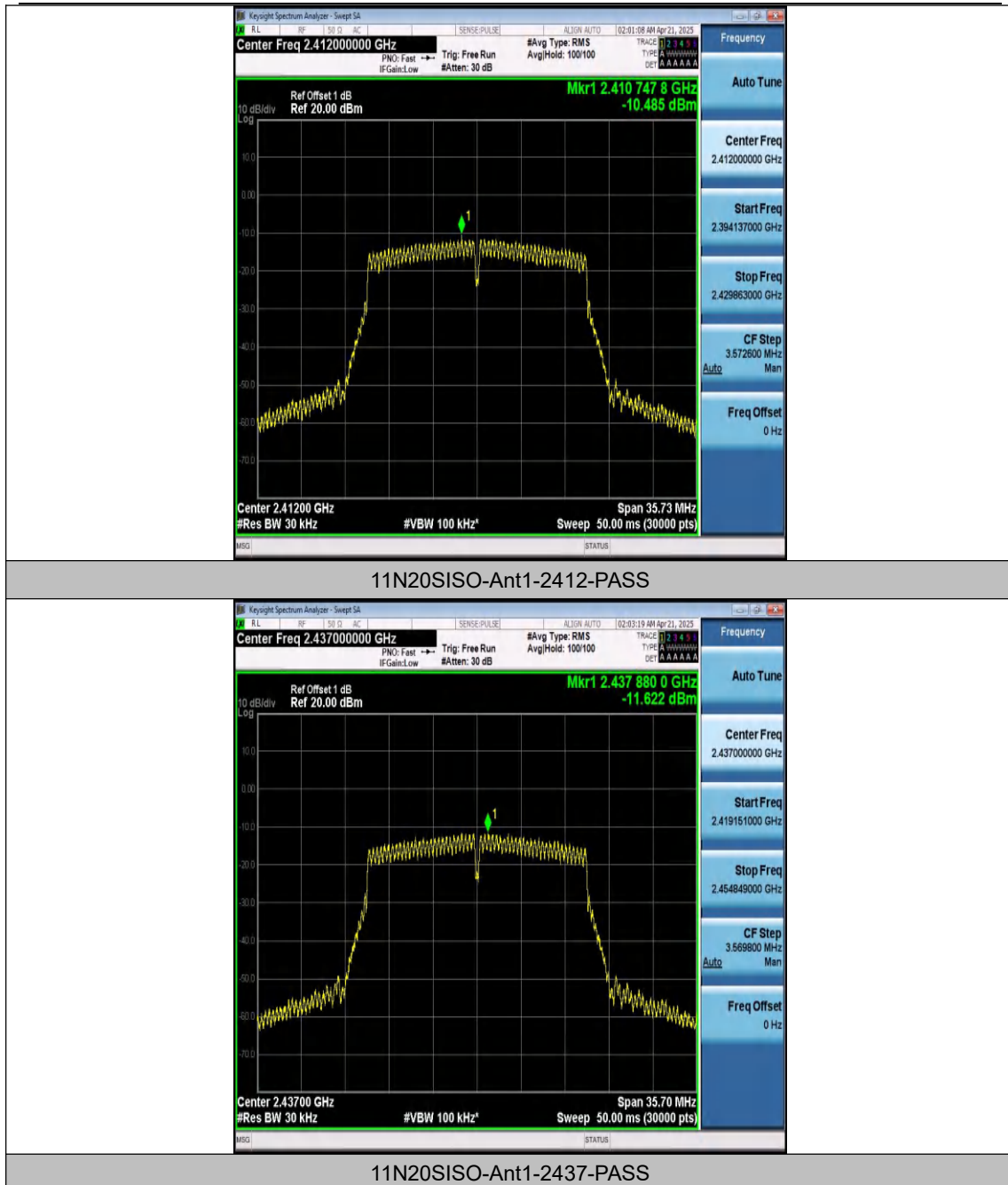
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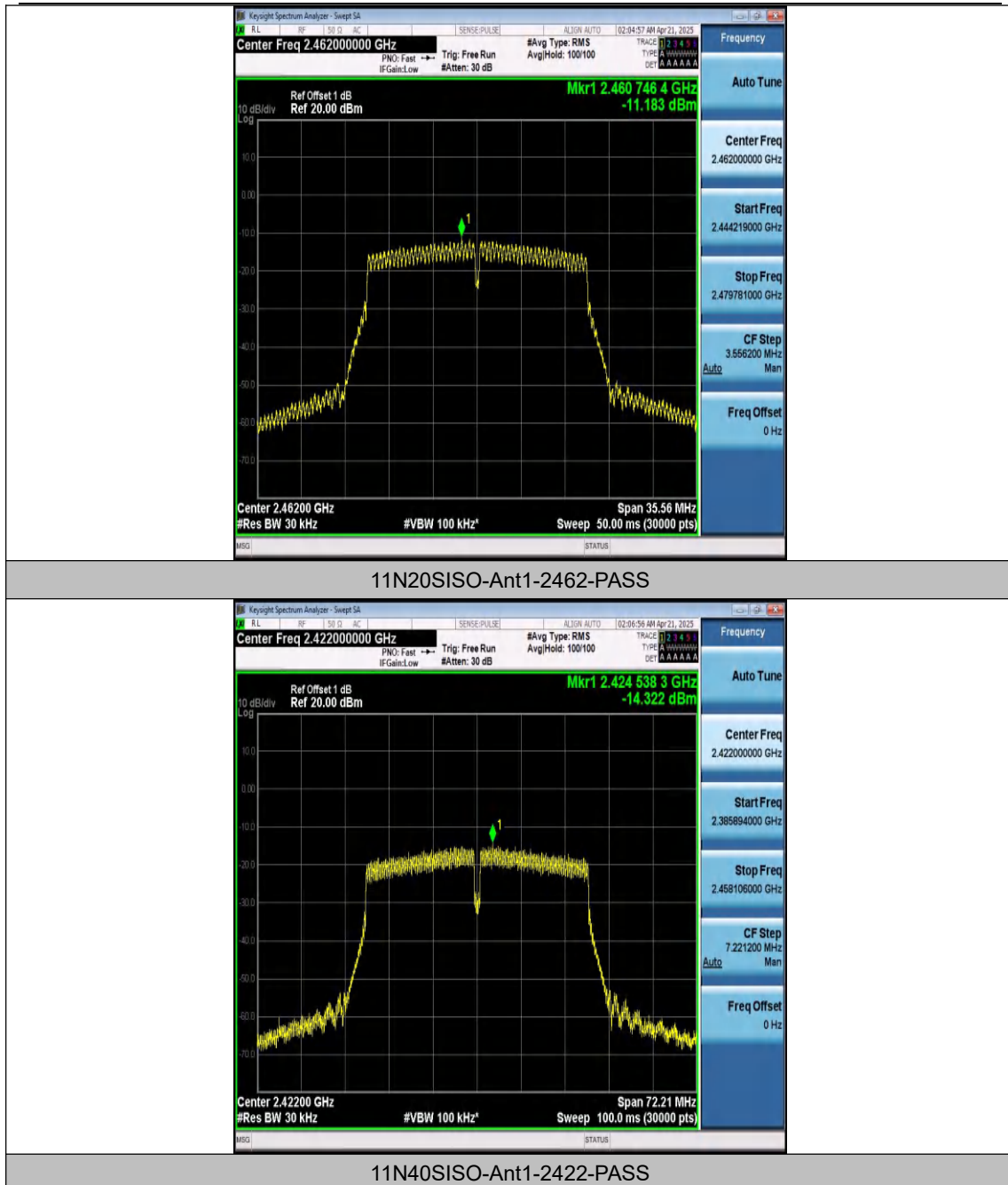


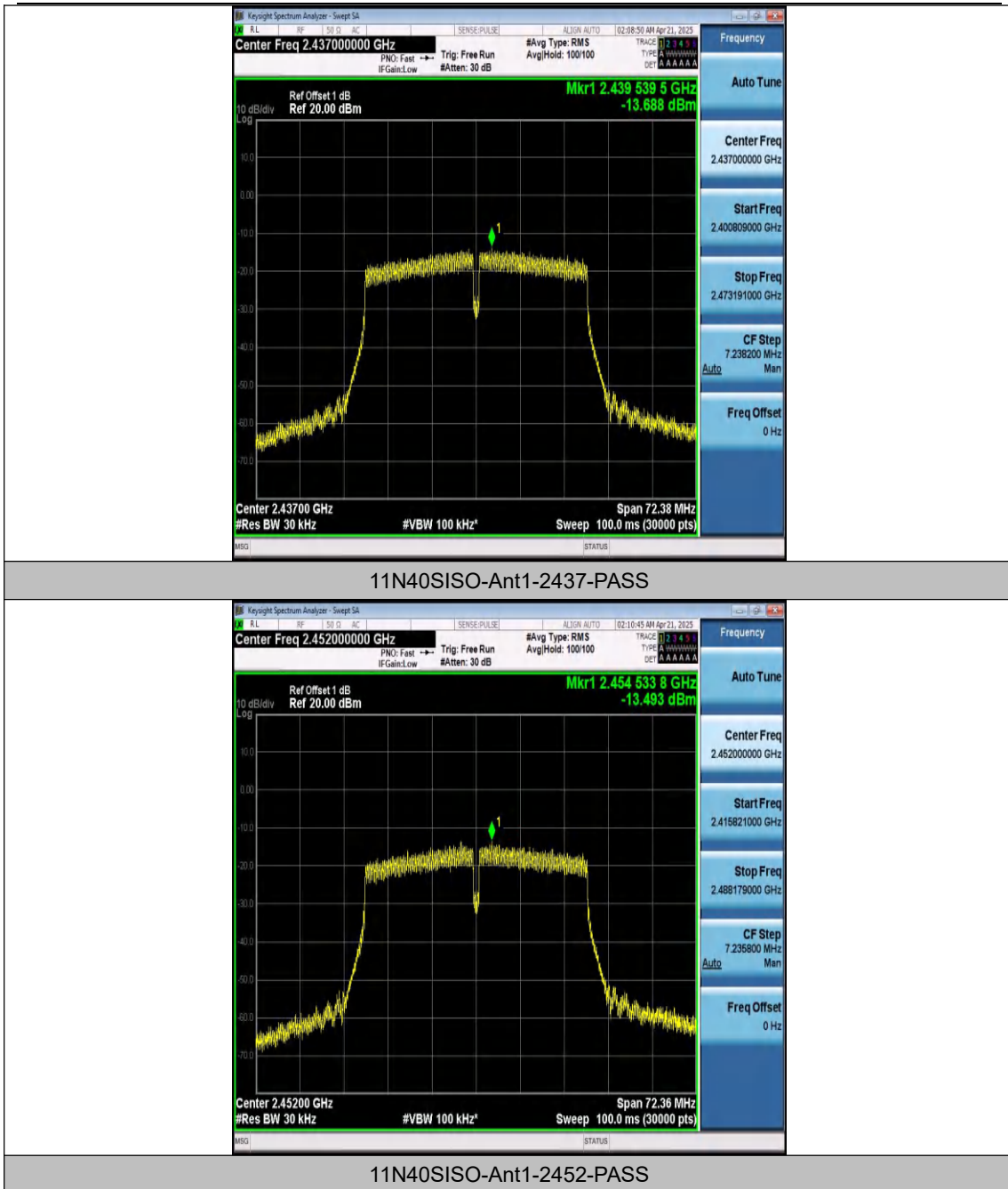
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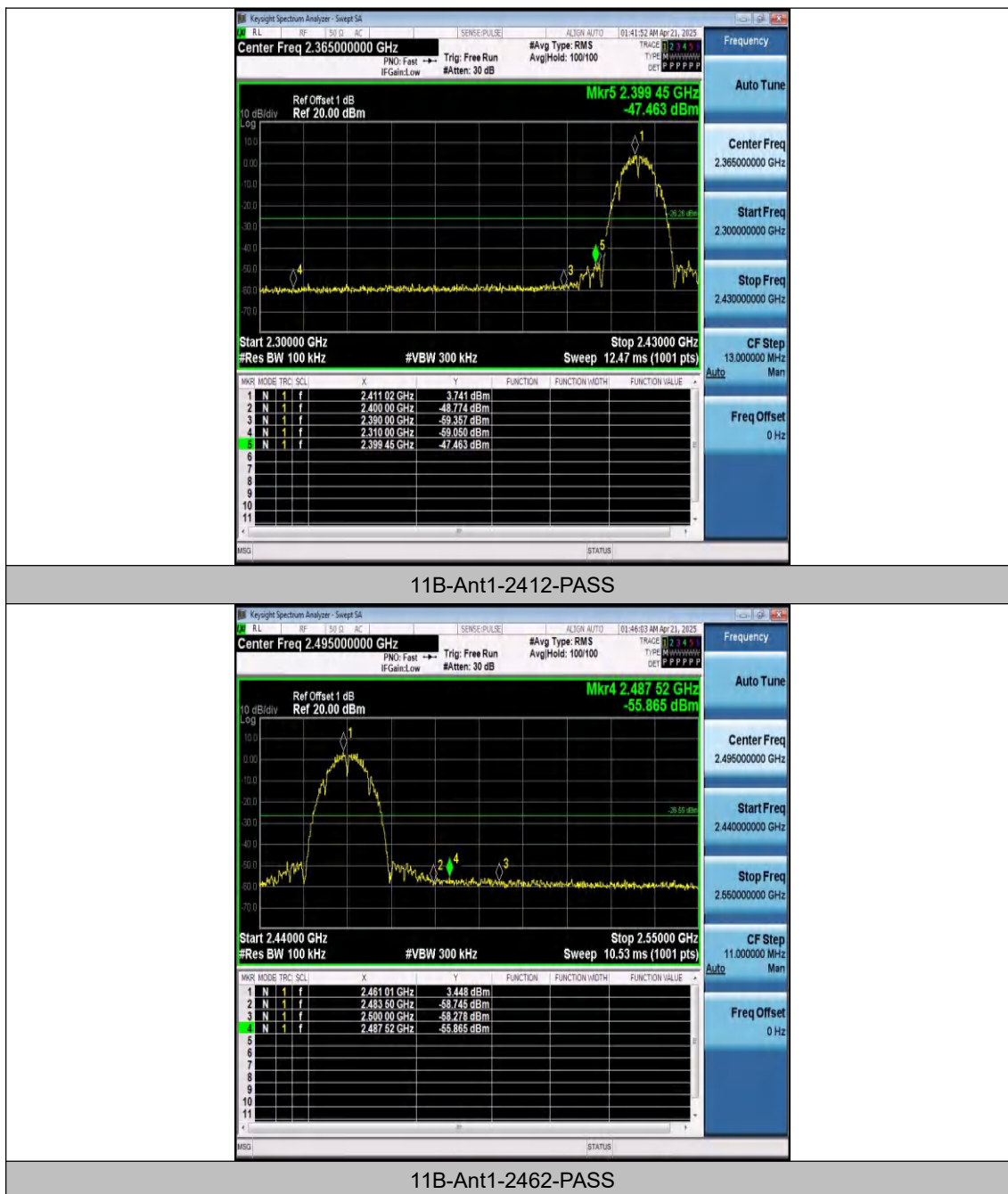
Appendix E: Conducted Band edge

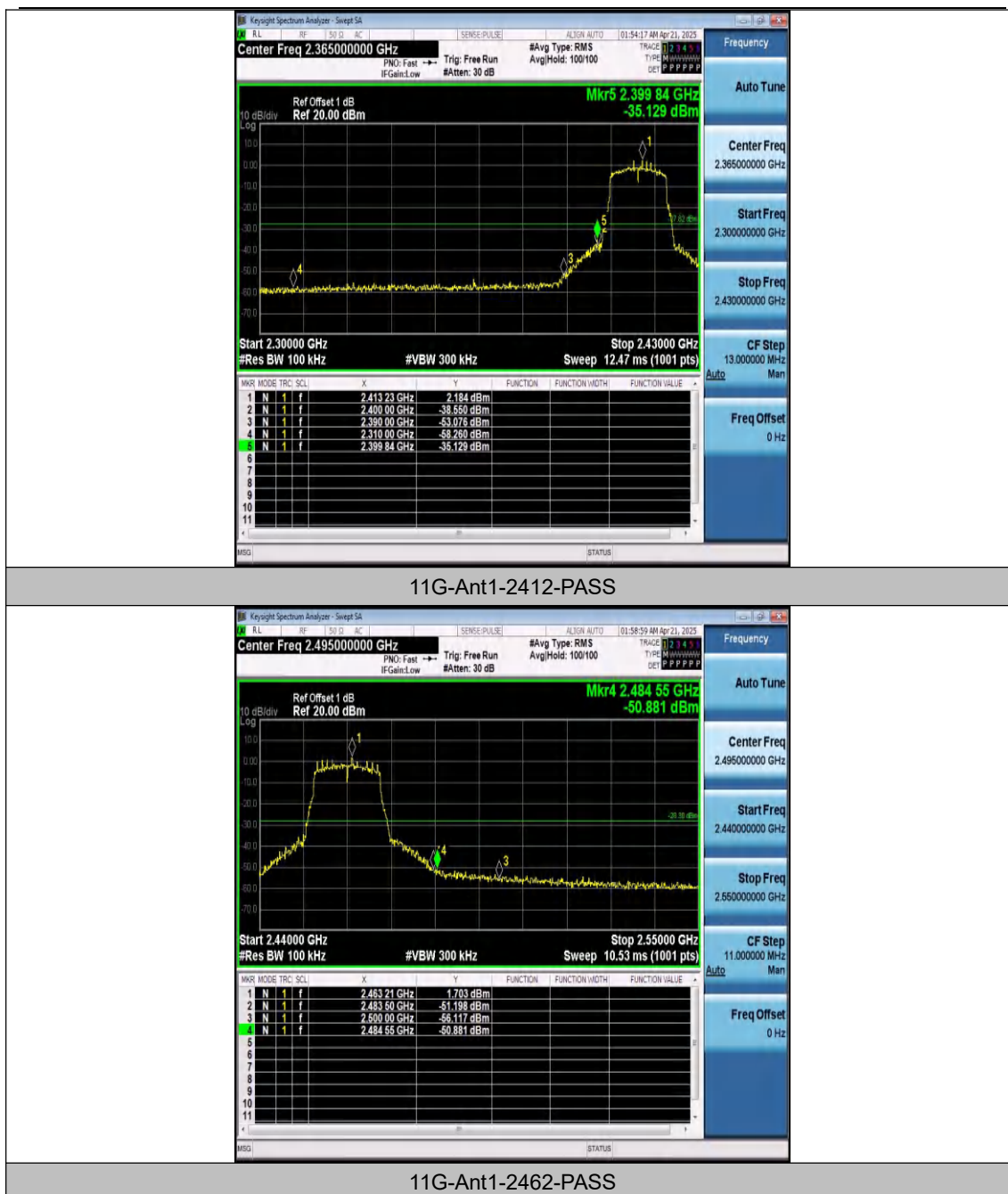
Test Result

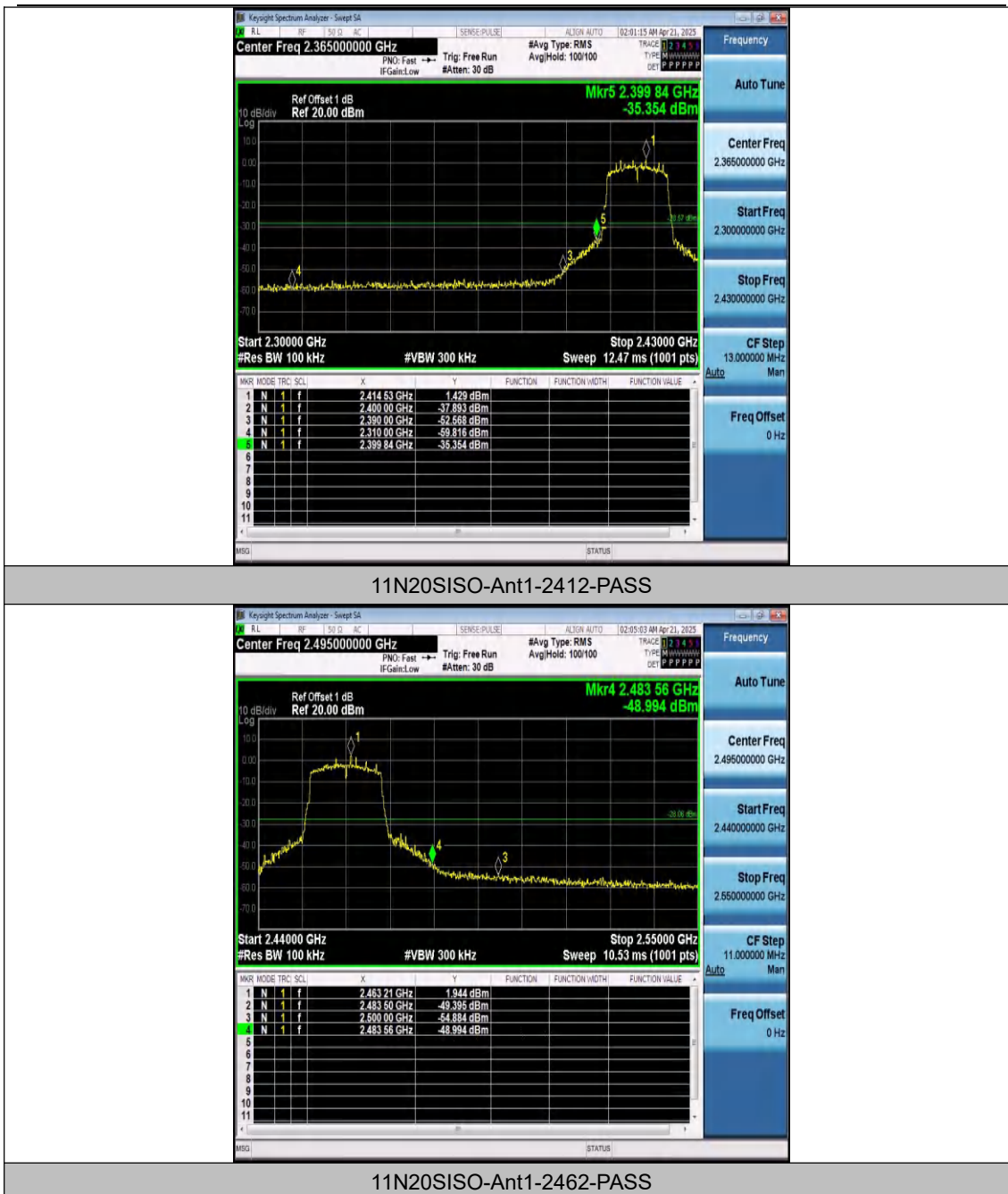
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.74	-47.46	≤-26.26	PASS
11B	Ant1	High	2462	3.45	-55.87	≤-26.55	PASS
11G	Ant1	Low	2412	2.18	-35.13	≤-27.82	PASS
11G	Ant1	High	2462	1.70	-50.88	≤-28.3	PASS
11N20SISO	Ant1	Low	2412	1.43	-35.35	≤-28.57	PASS
11N20SISO	Ant1	High	2462	1.94	-48.99	≤-28.06	PASS
11N40SISO	Ant1	Low	2422	-1.67	-40.09	≤-31.67	PASS
11N40SISO	Ant1	High	2452	-0.76	-38.71	≤-30.76	PASS



Test Graphs









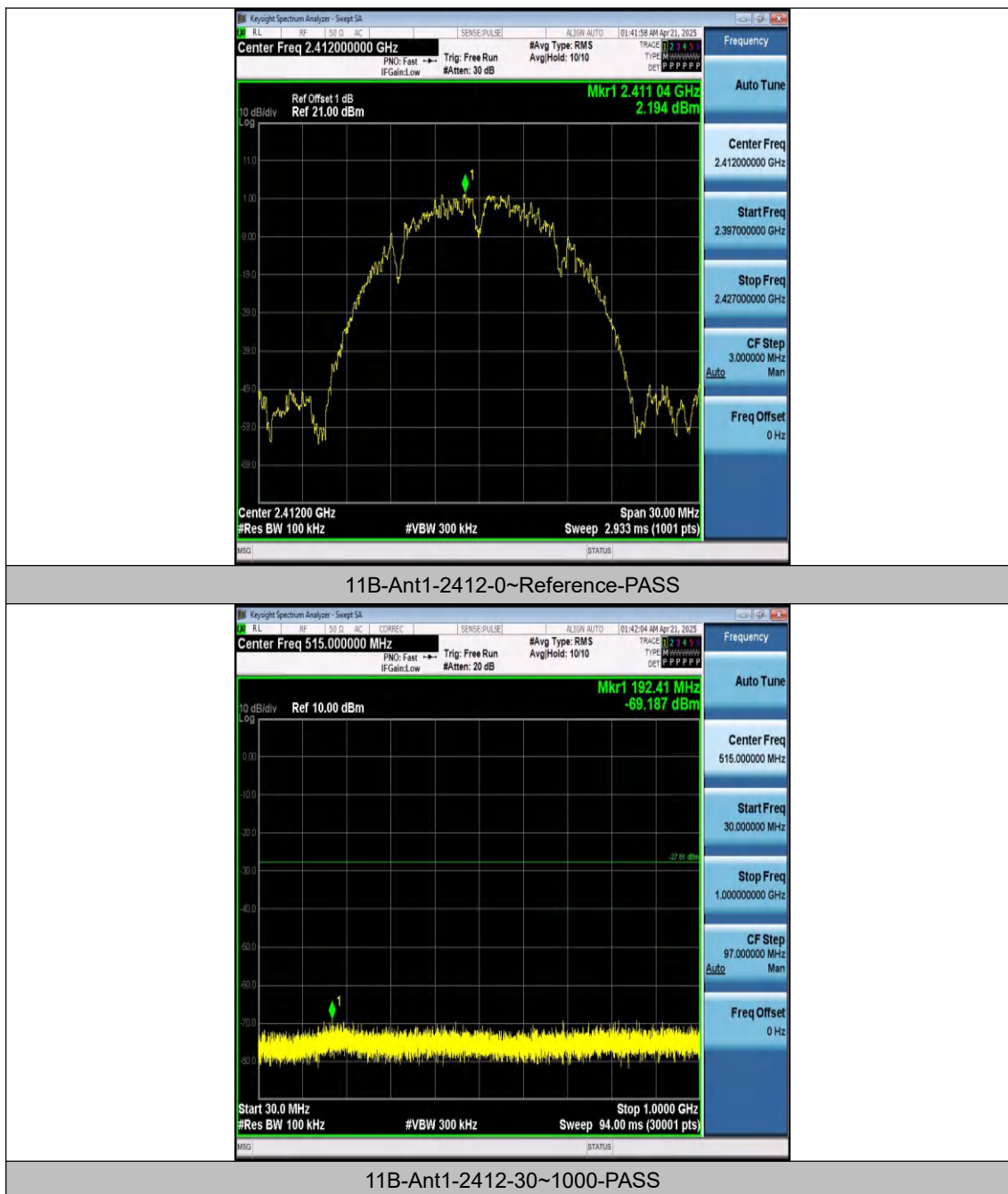
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.19	2.19	---	PASS
11B	Ant1	2412	30~1000	2.19	-69.19	≤-27.81	PASS
11B	Ant1	2412	1000~26500	2.19	-47.74	≤-27.81	PASS
11B	Ant1	2437	0~Reference	2.34	2.34	---	PASS
11B	Ant1	2437	30~1000	2.34	-67.92	≤-27.66	PASS
11B	Ant1	2437	1000~26500	2.34	-49.32	≤-27.66	PASS
11B	Ant1	2462	0~Reference	3.06	3.06	---	PASS
11B	Ant1	2462	30~1000	3.06	-49.18	≤-26.94	PASS
11B	Ant1	2462	1000~26500	3.06	-52.5	≤-26.94	PASS
11G	Ant1	2412	0~Reference	-0.72	-0.72	---	PASS
11G	Ant1	2412	30~1000	-0.72	-67.69	≤-30.72	PASS
11G	Ant1	2412	1000~26500	-0.72	-53.73	≤-30.72	PASS
11G	Ant1	2437	0~Reference	0.66	0.66	---	PASS
11G	Ant1	2437	30~1000	0.66	-68.58	≤-29.34	PASS
11G	Ant1	2437	1000~26500	0.66	-53.19	≤-29.34	PASS
11G	Ant1	2462	0~Reference	0.92	0.92	---	PASS
11G	Ant1	2462	30~1000	0.92	-68.67	≤-29.08	PASS
11G	Ant1	2462	1000~26500	0.92	-52.78	≤-29.08	PASS
11N20SISO	Ant1	2412	0~Reference	0.26	0.26	---	PASS
11N20SISO	Ant1	2412	30~1000	0.26	-69.11	≤-29.74	PASS
11N20SISO	Ant1	2412	1000~26500	0.26	-53.34	≤-29.74	PASS
11N20SISO	Ant1	2437	0~Reference	-1.74	-1.74	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.74	-69	≤-31.74	PASS
11N20SISO	Ant1	2437	1000~26500	-1.74	-53.39	≤-31.74	PASS
11N20SISO	Ant1	2462	0~Reference	0.10	0.10	---	PASS
11N20SISO	Ant1	2462	30~1000	0.10	-68.45	≤-29.9	PASS
11N20SISO	Ant1	2462	1000~26500	0.10	-53.36	≤-29.9	PASS
11N40SISO	Ant1	2422	0~Reference	-1.44	-1.44	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.44	-69.08	≤-31.44	PASS
11N40SISO	Ant1	2422	1000~26500	-1.44	-53.15	≤-31.44	PASS
11N40SISO	Ant1	2437	0~Reference	-1.25	-1.25	---	PASS
11N40SISO	Ant1	2437	30~1000	-1.25	-68.55	≤-31.25	PASS
11N40SISO	Ant1	2437	1000~26500	-1.25	-53.25	≤-31.25	PASS
11N40SISO	Ant1	2452	0~Reference	-1.12	-1.12	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.12	-69.06	≤-31.12	PASS
11N40SISO	Ant1	2452	1000~26500	-1.12	-52.75	≤-31.12	PASS

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Test Graphs



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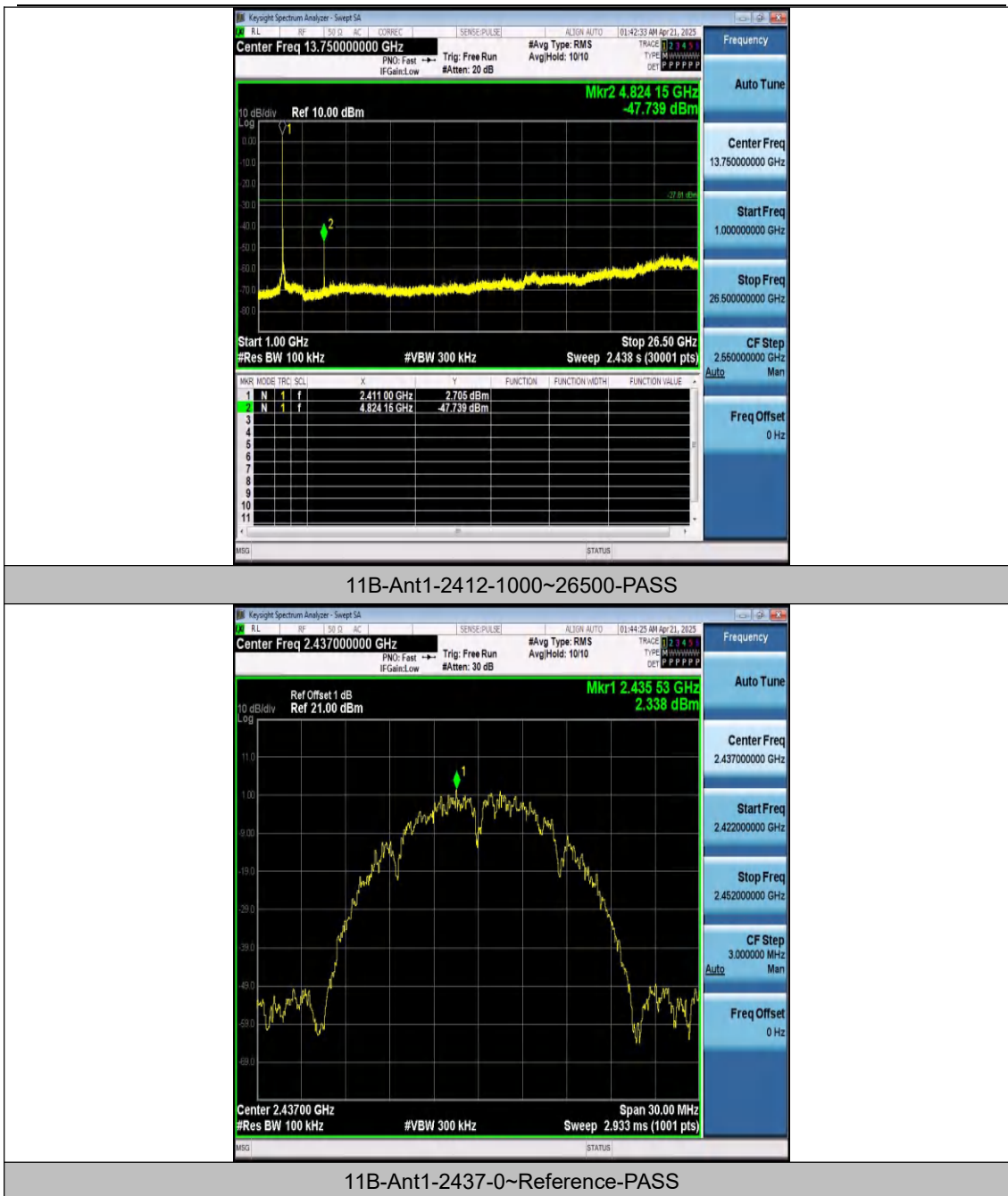
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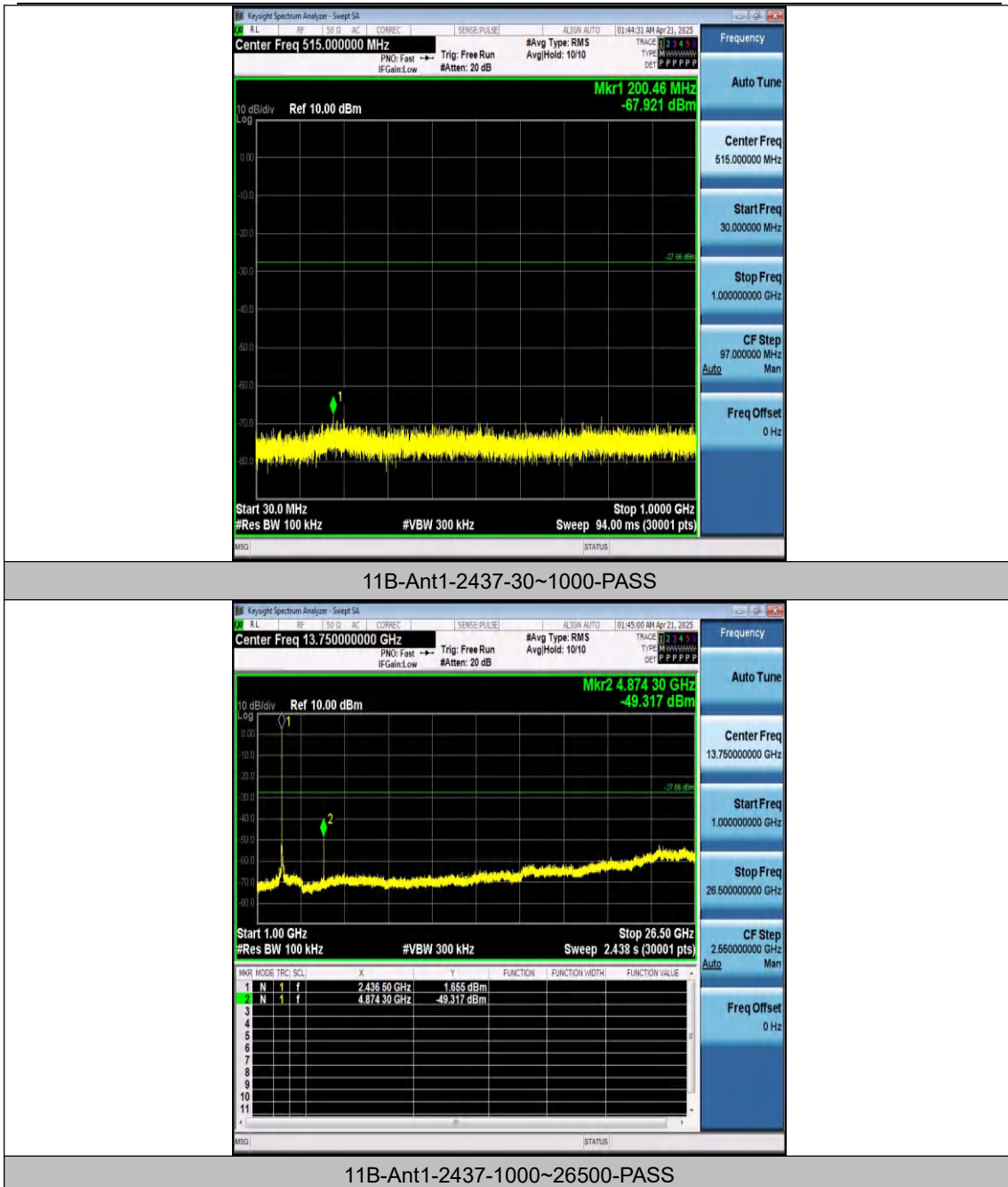
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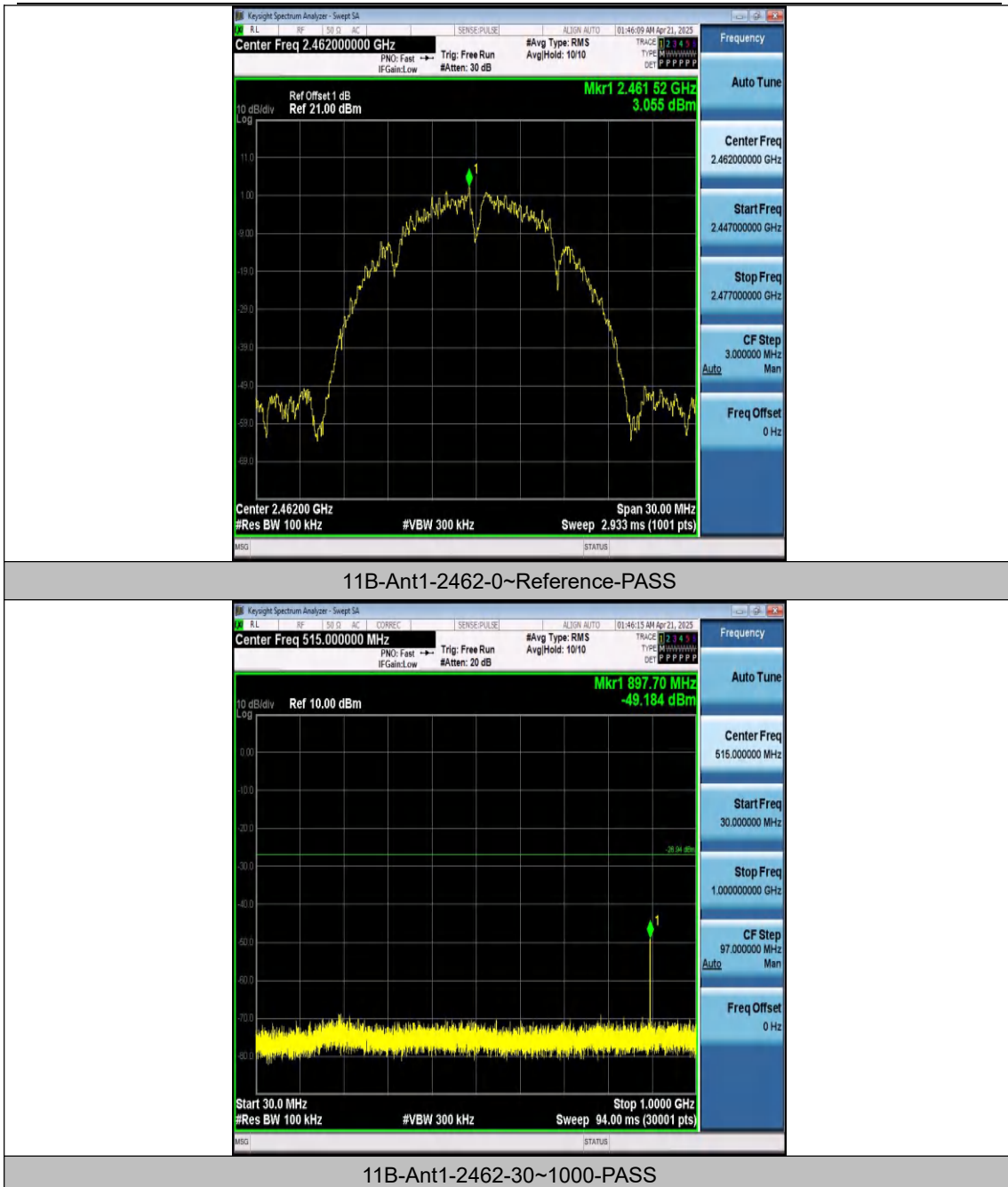


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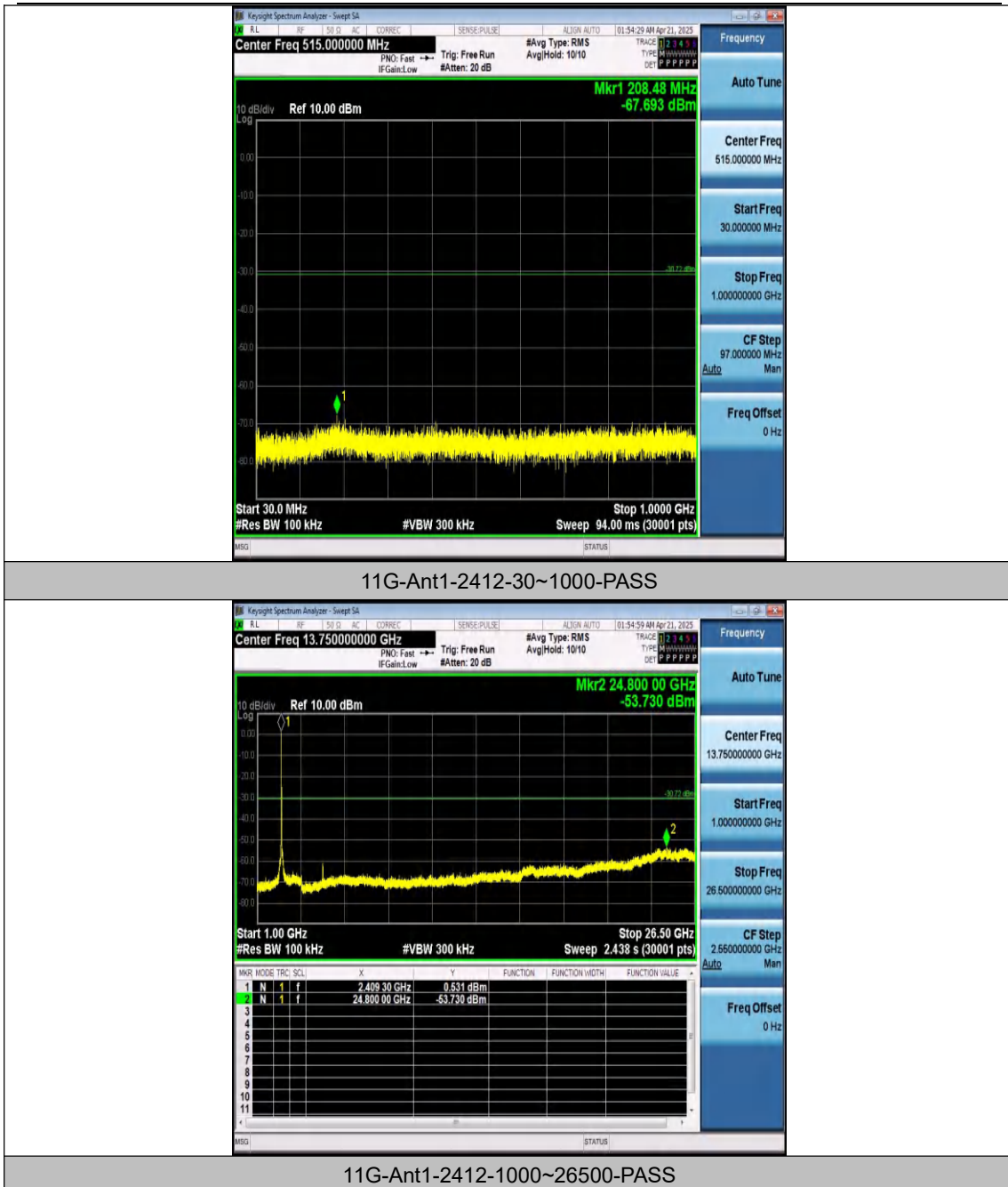


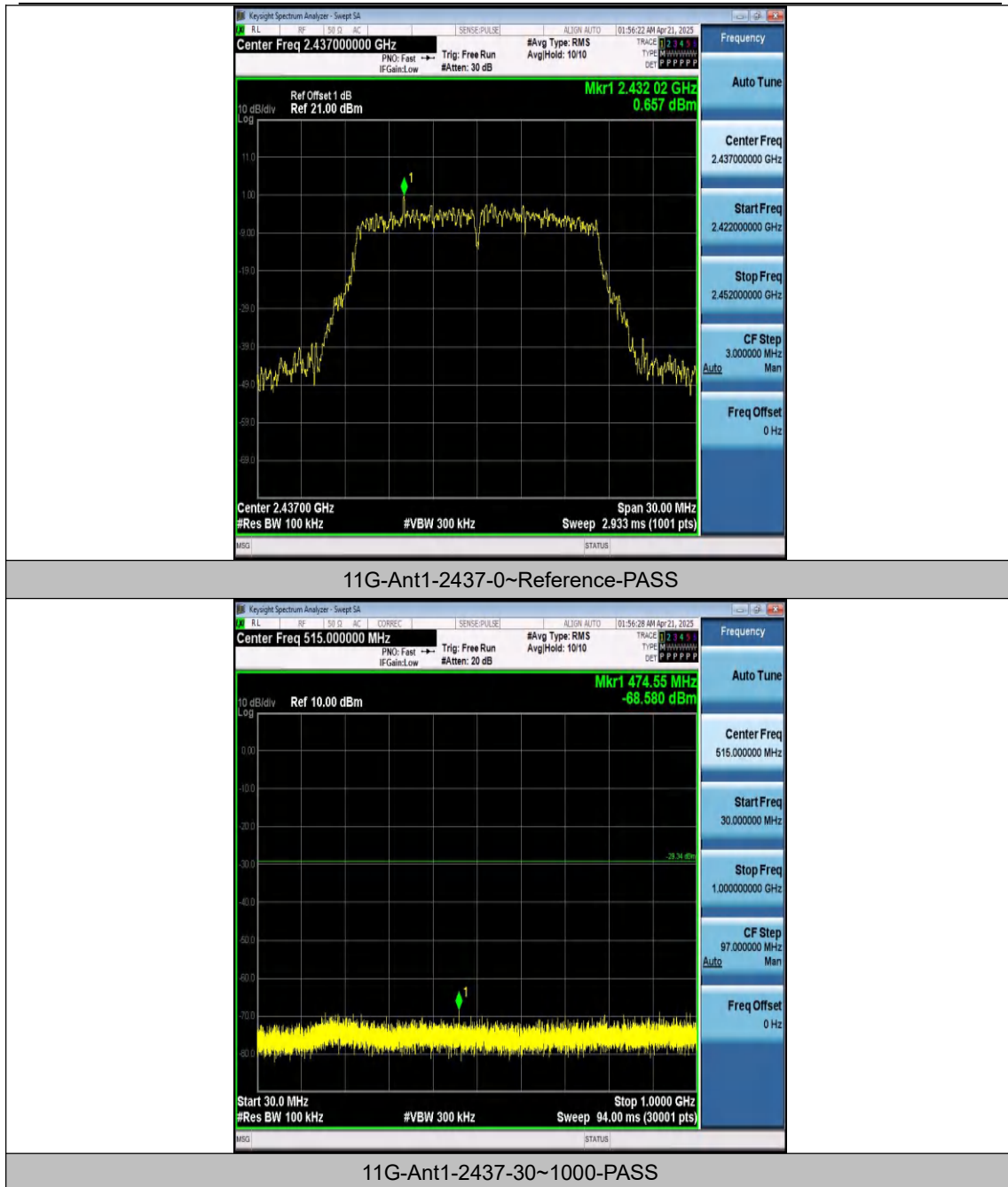
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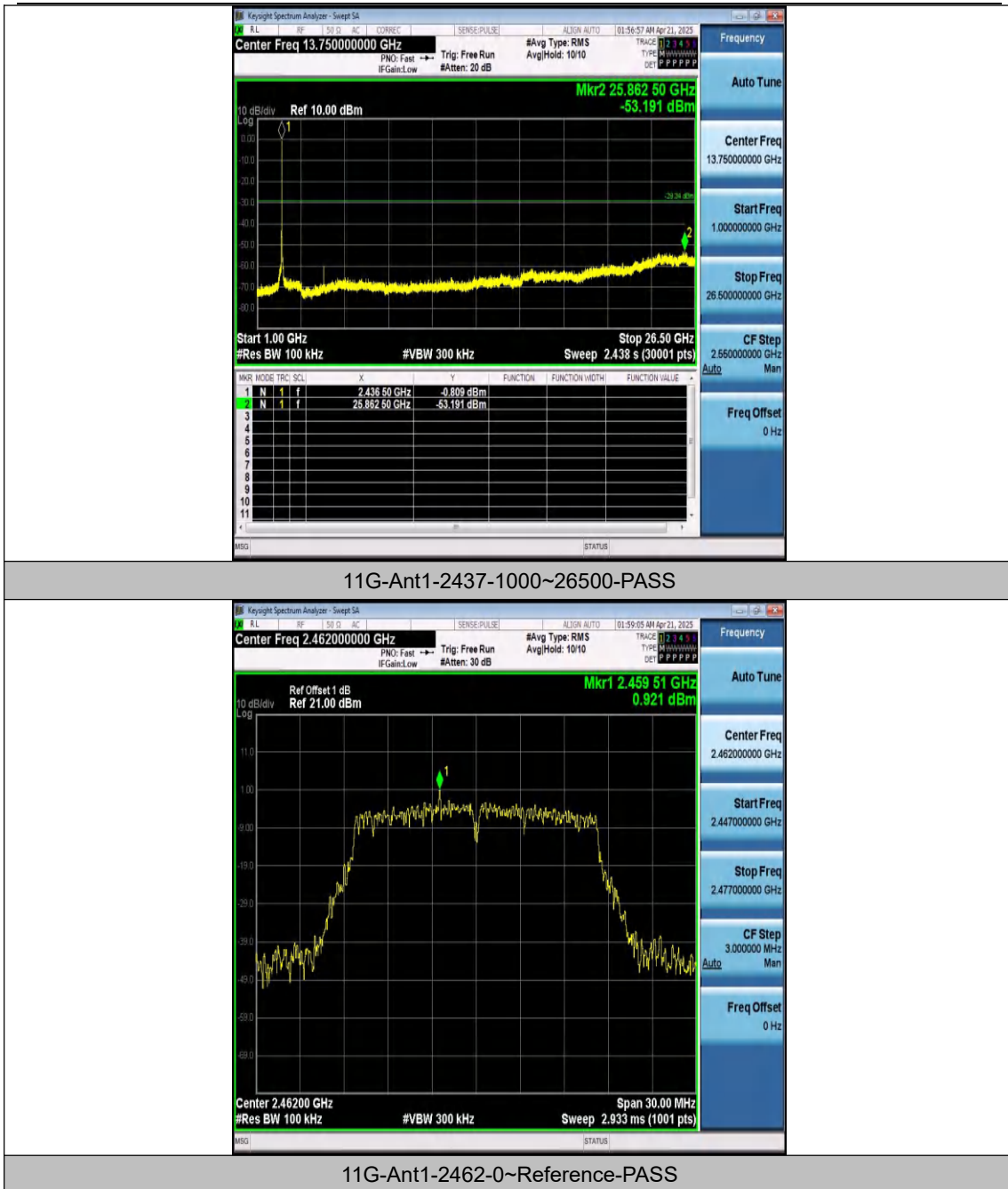
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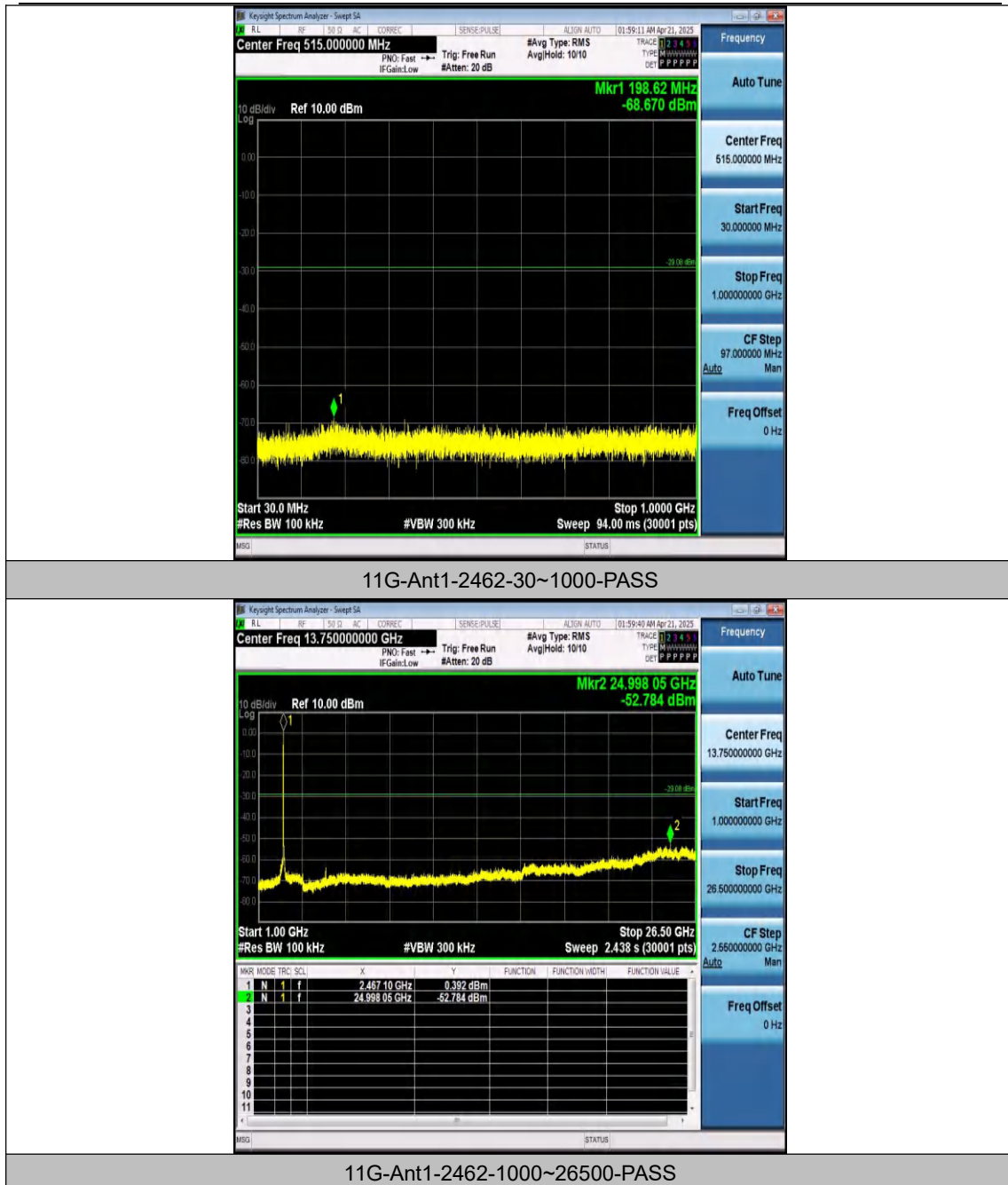


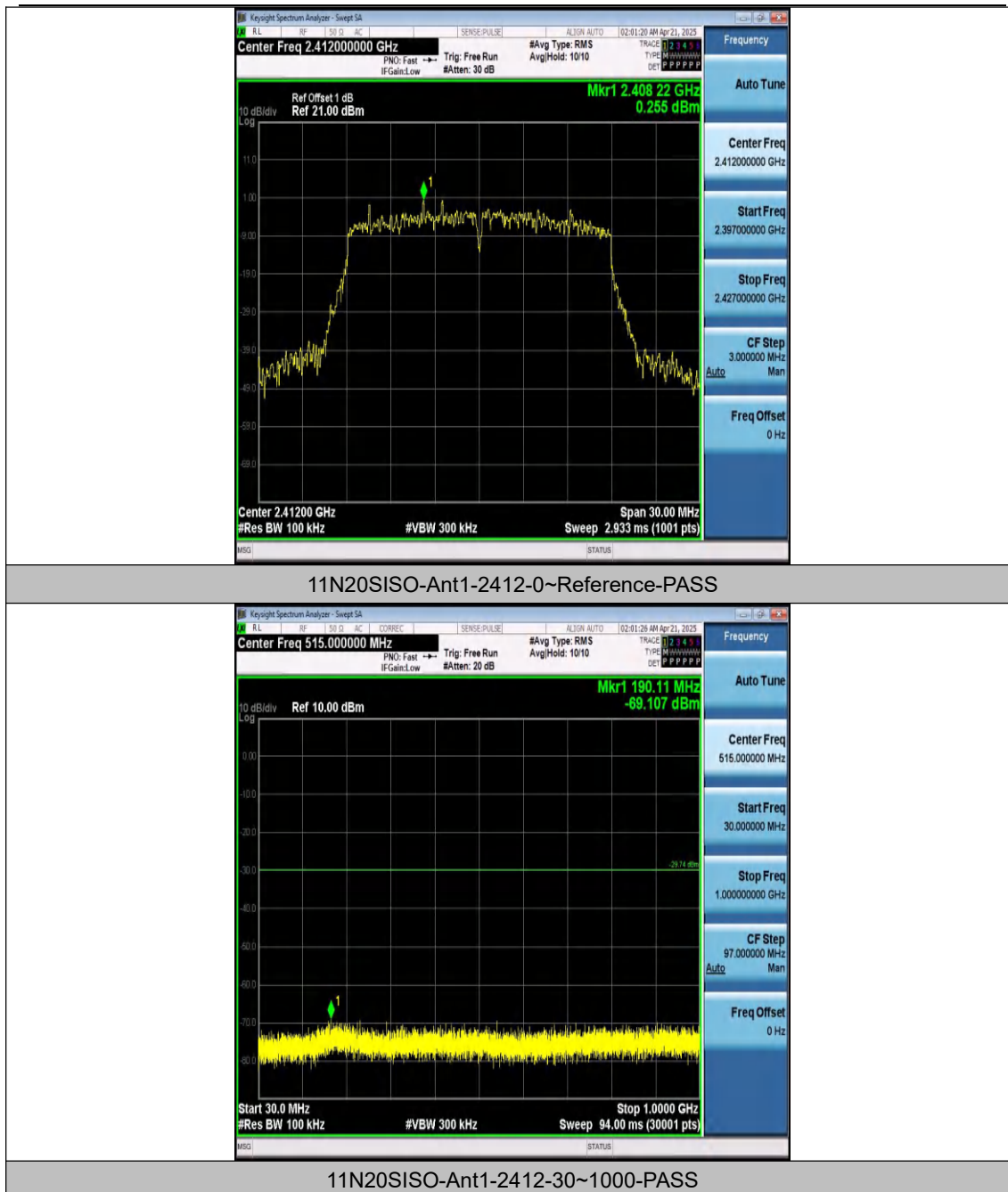


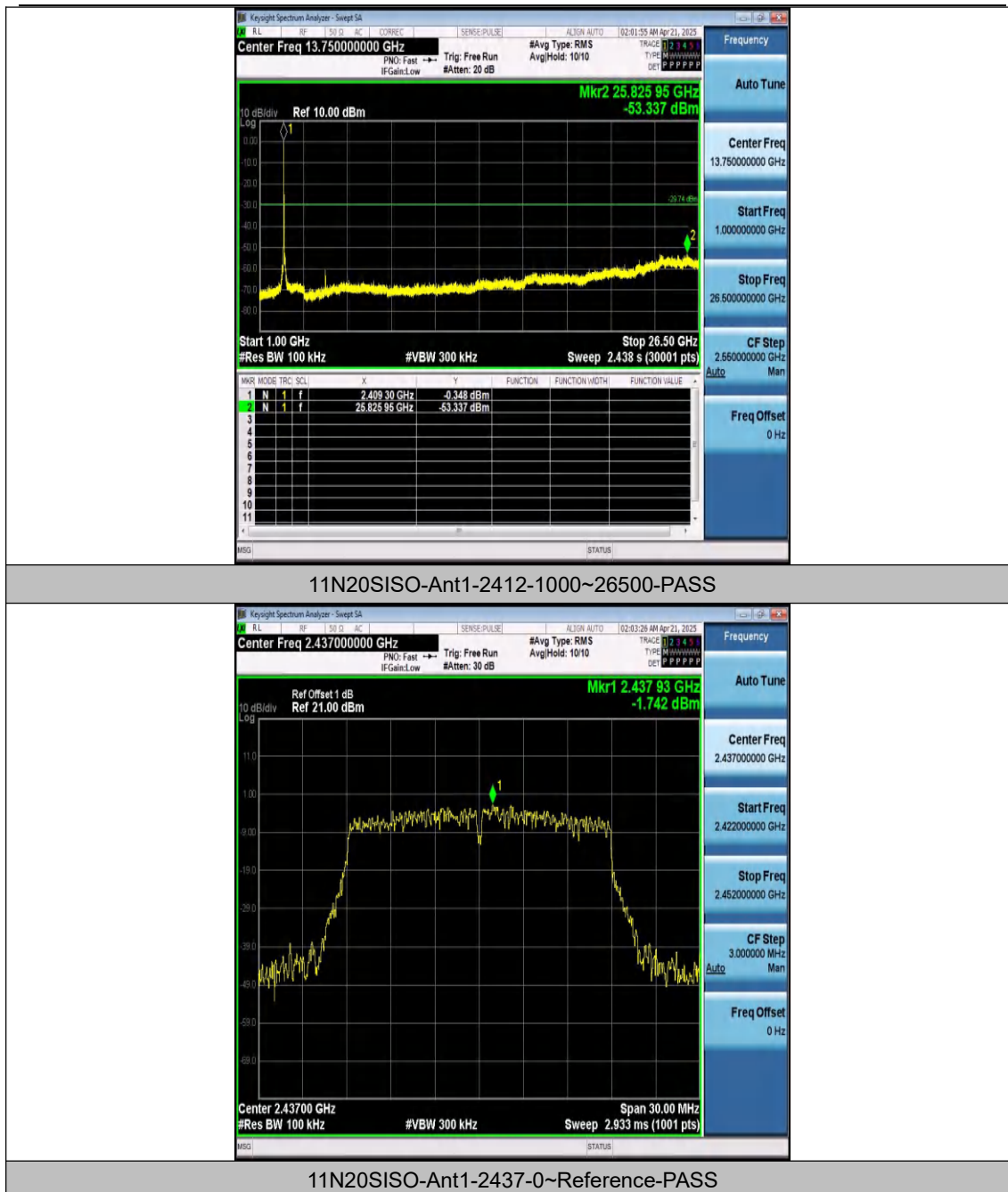
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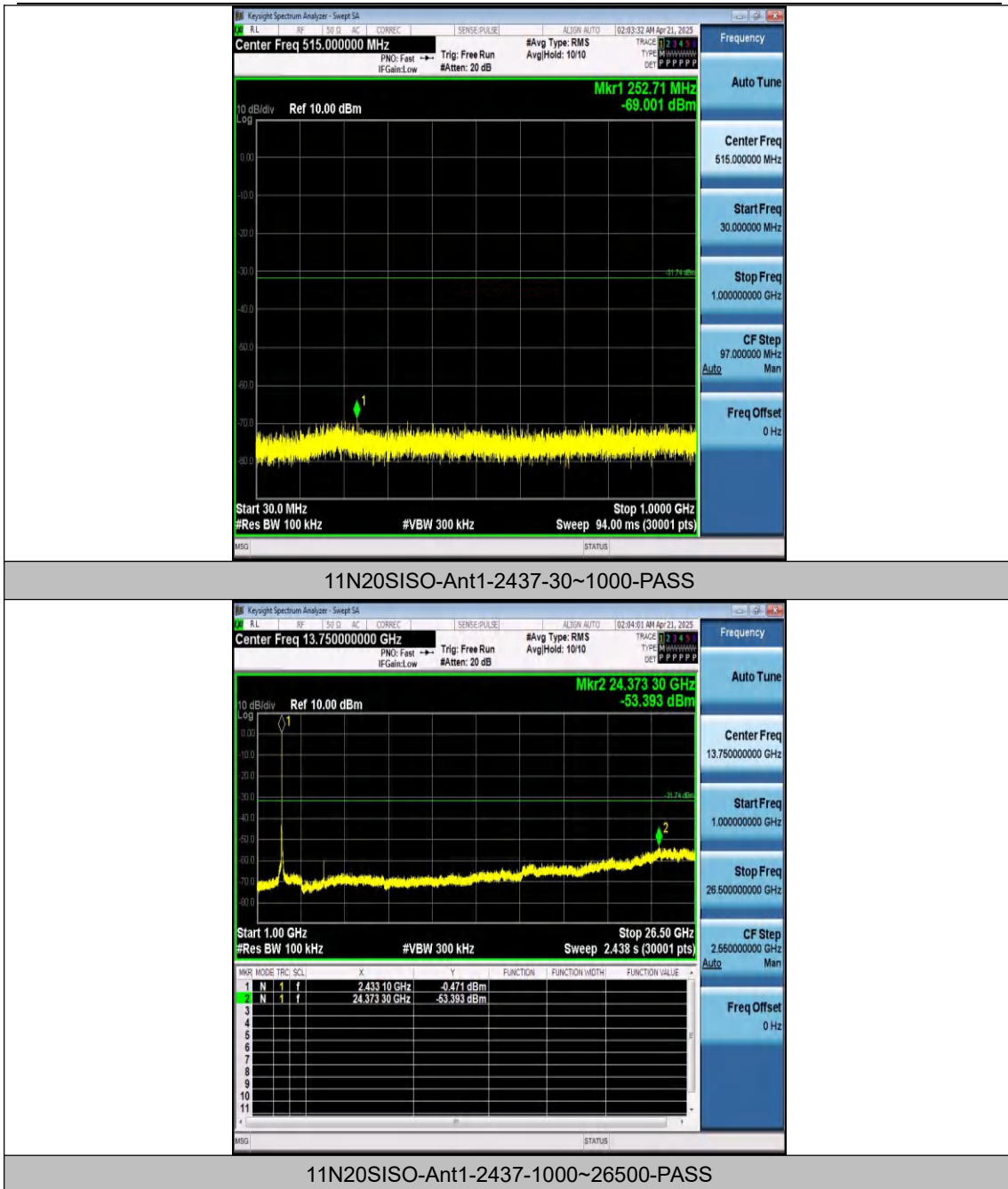




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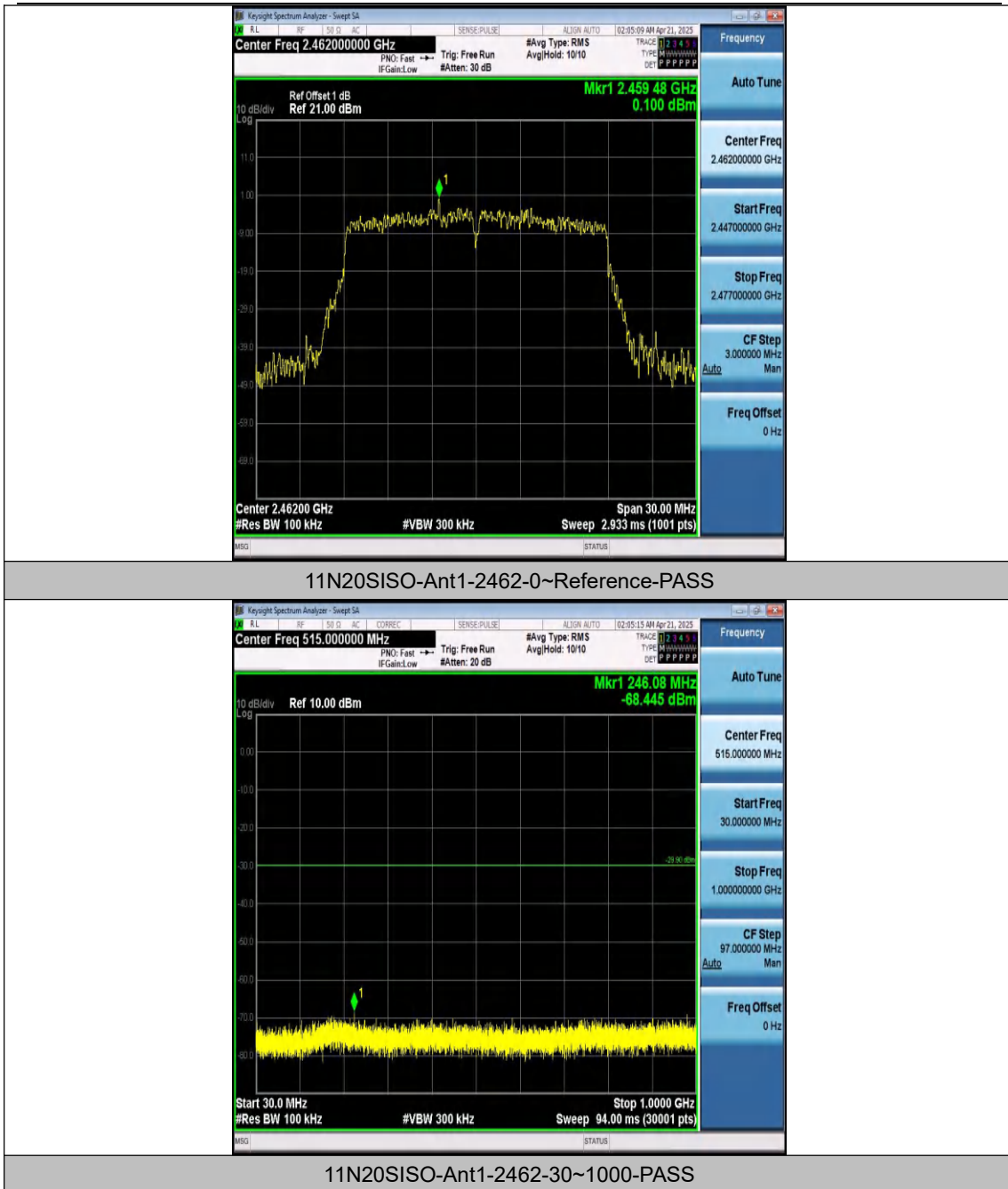
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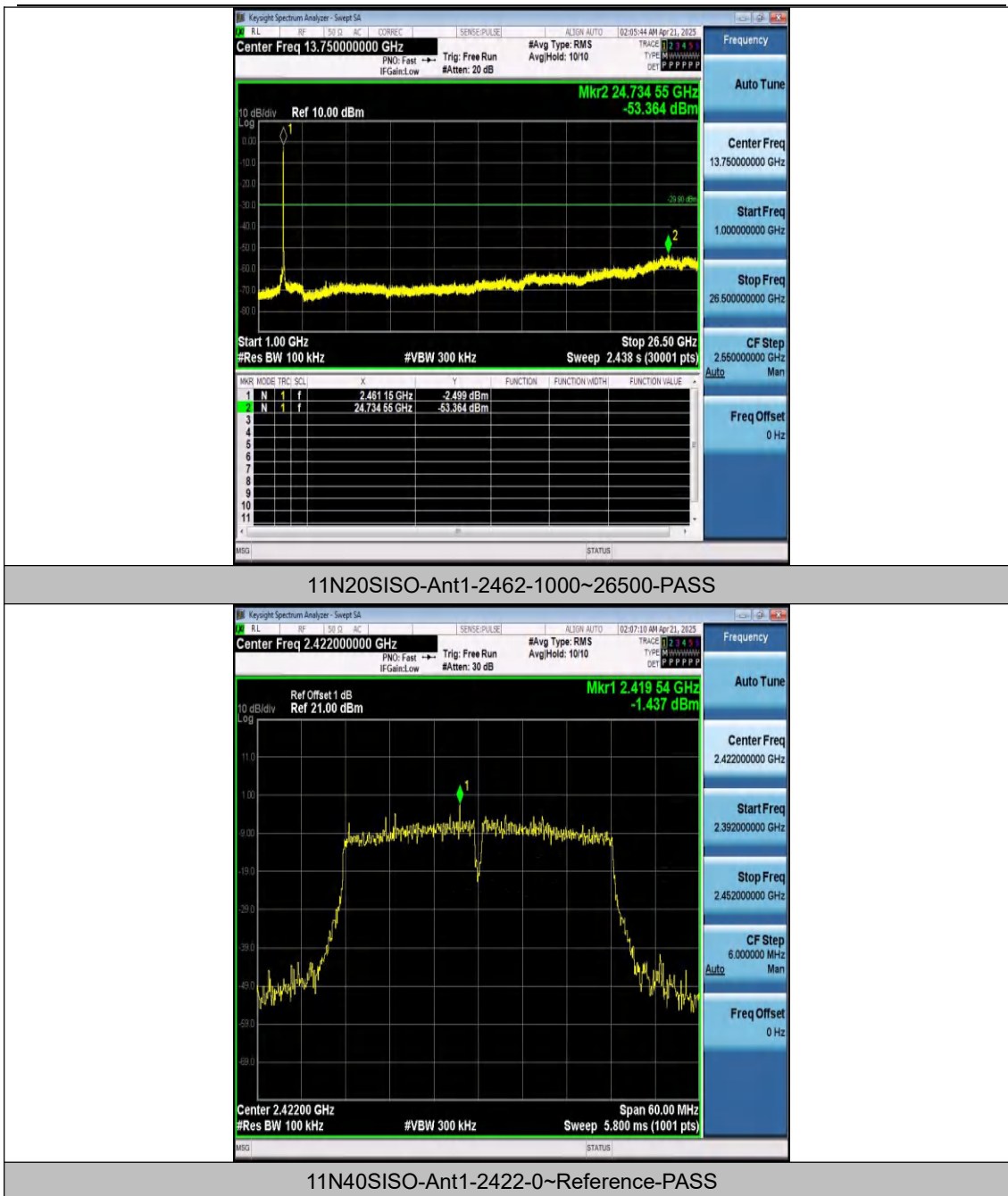
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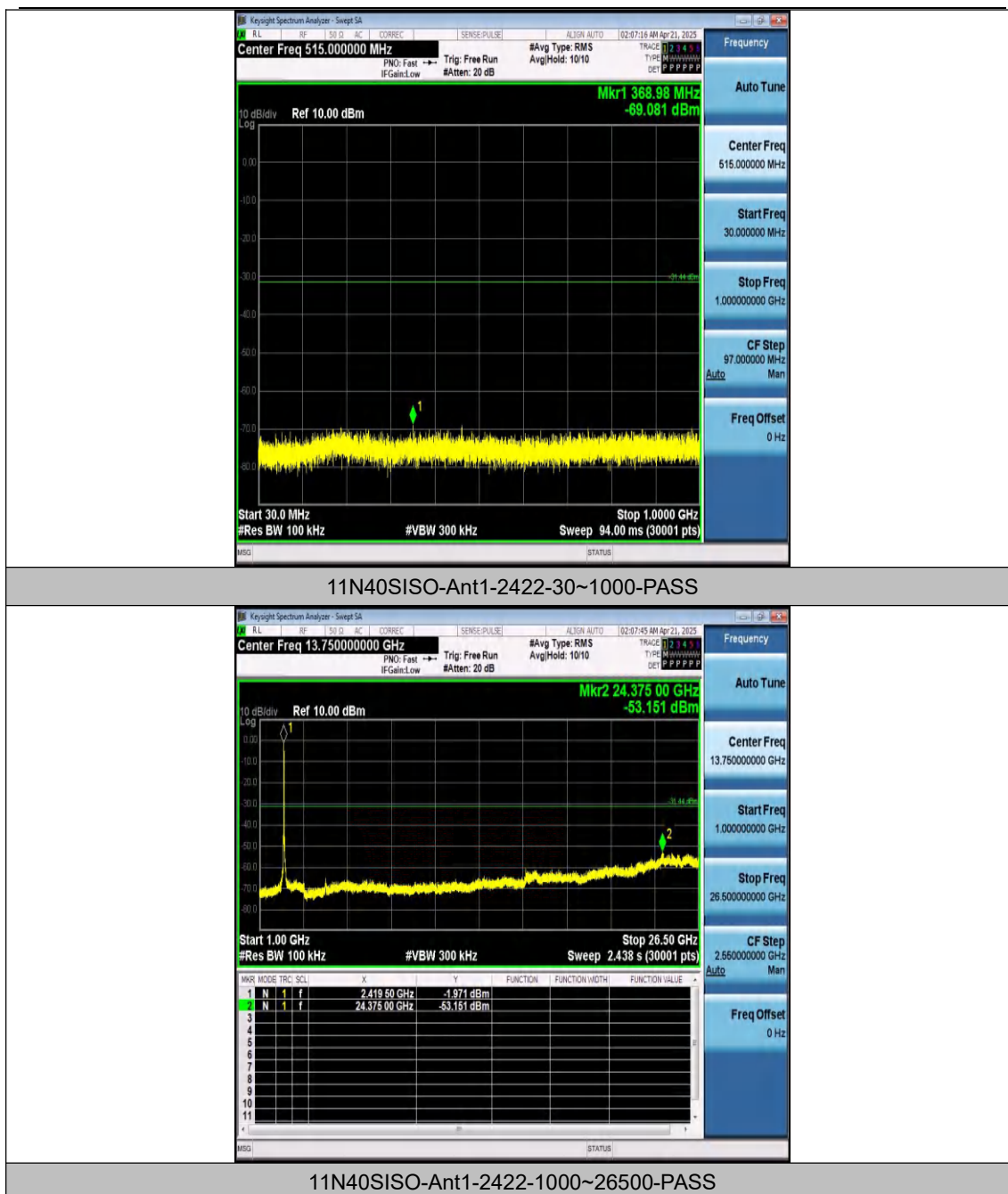
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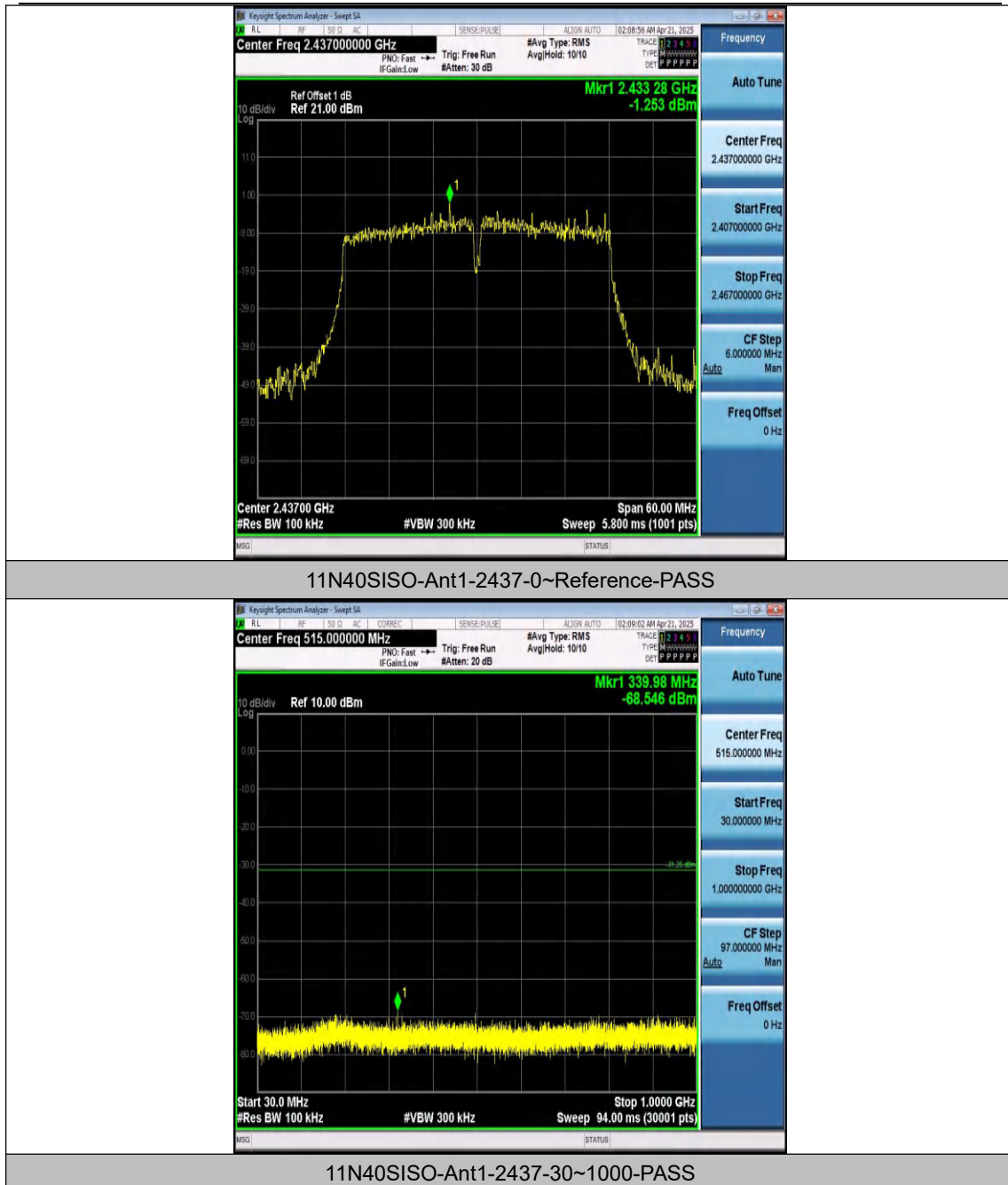


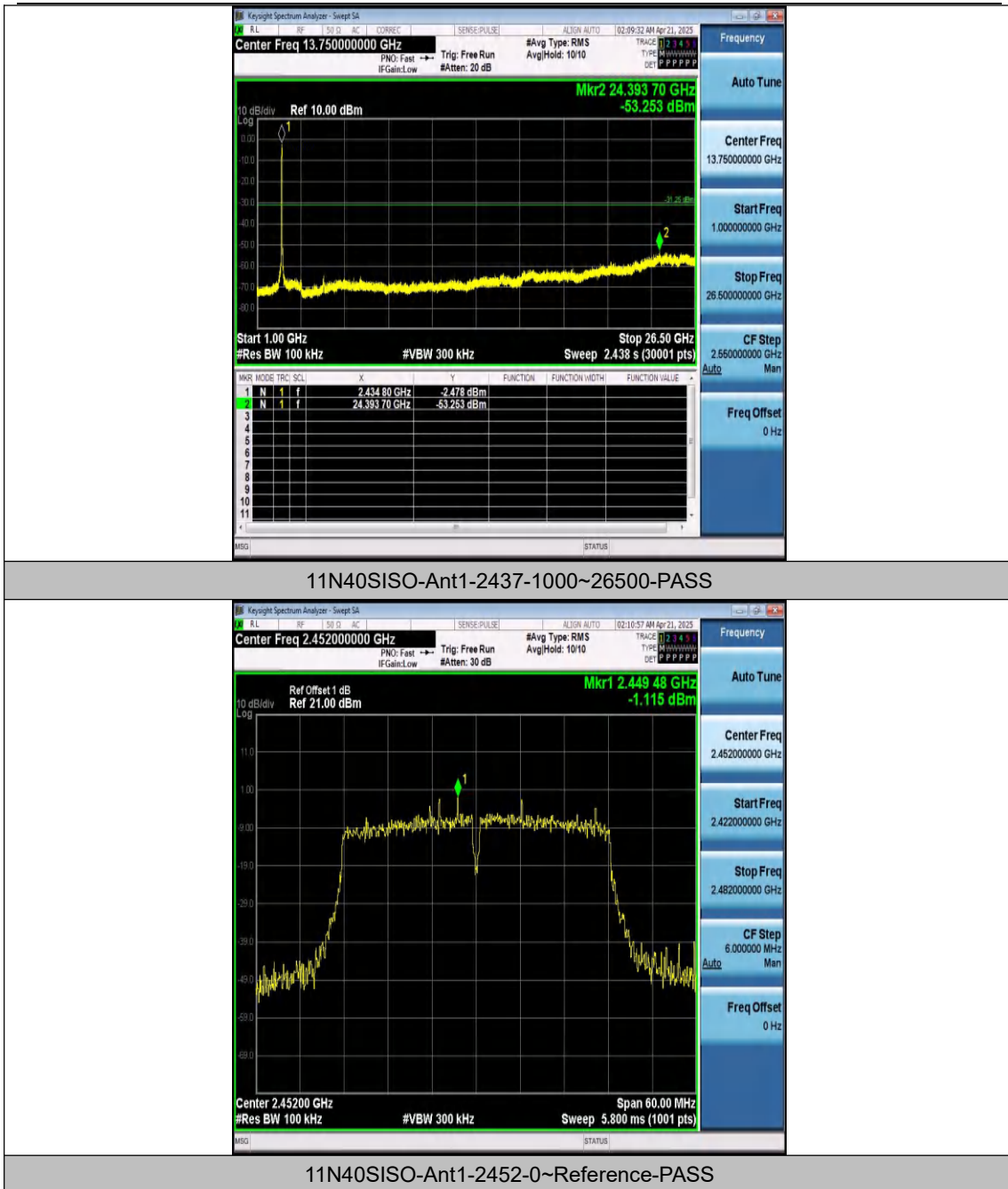
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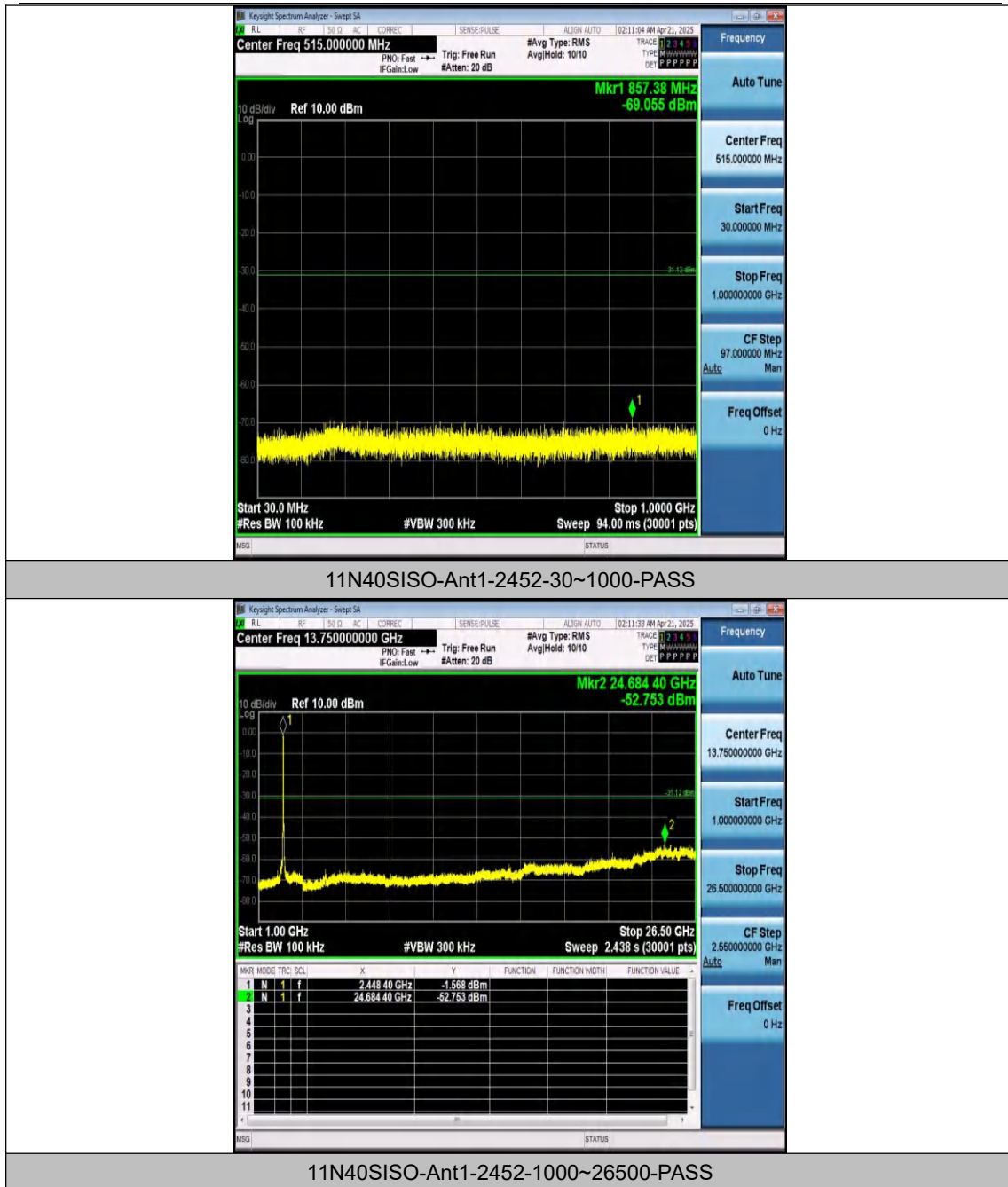
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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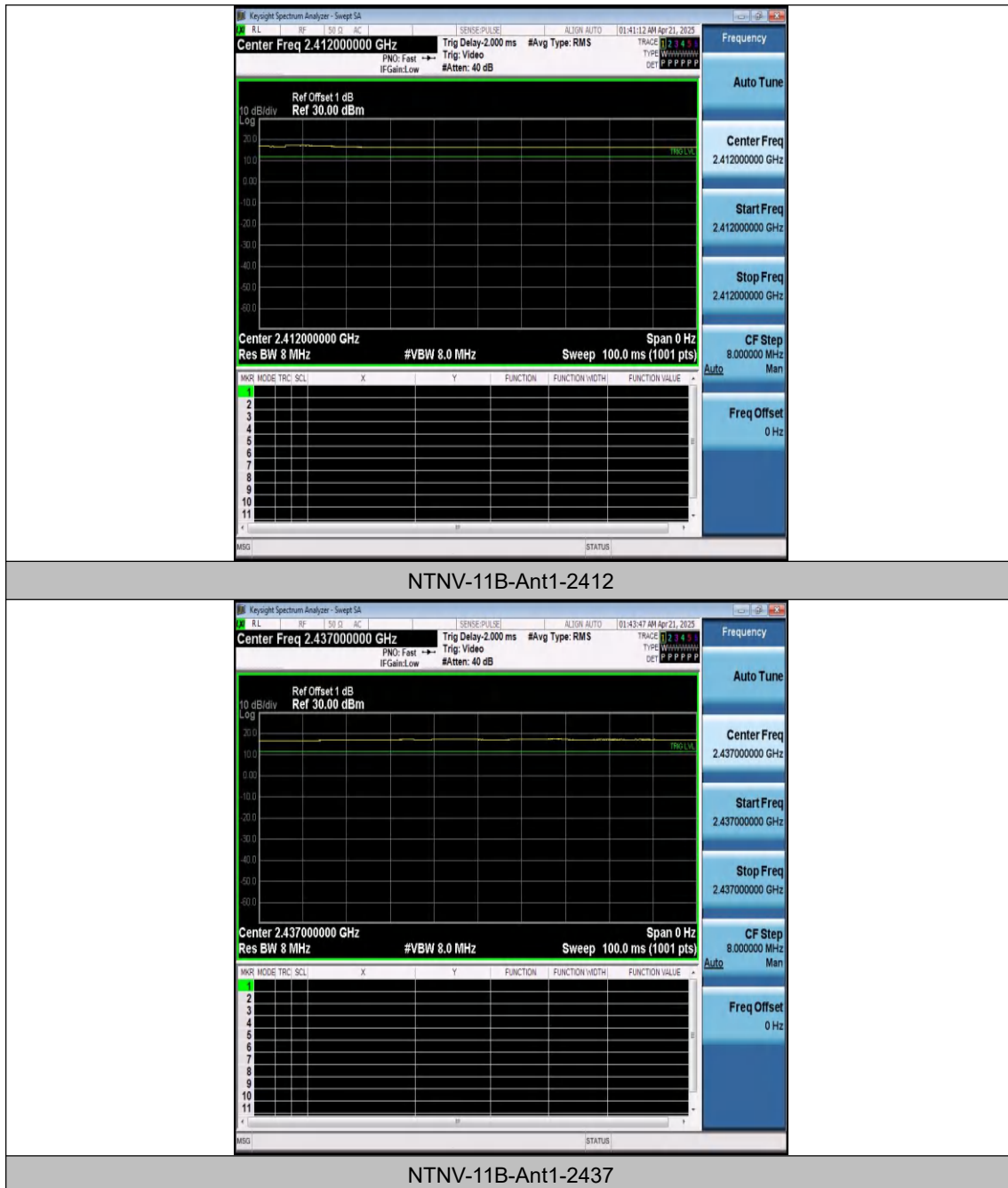
Appendix G: Duty Cycle

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



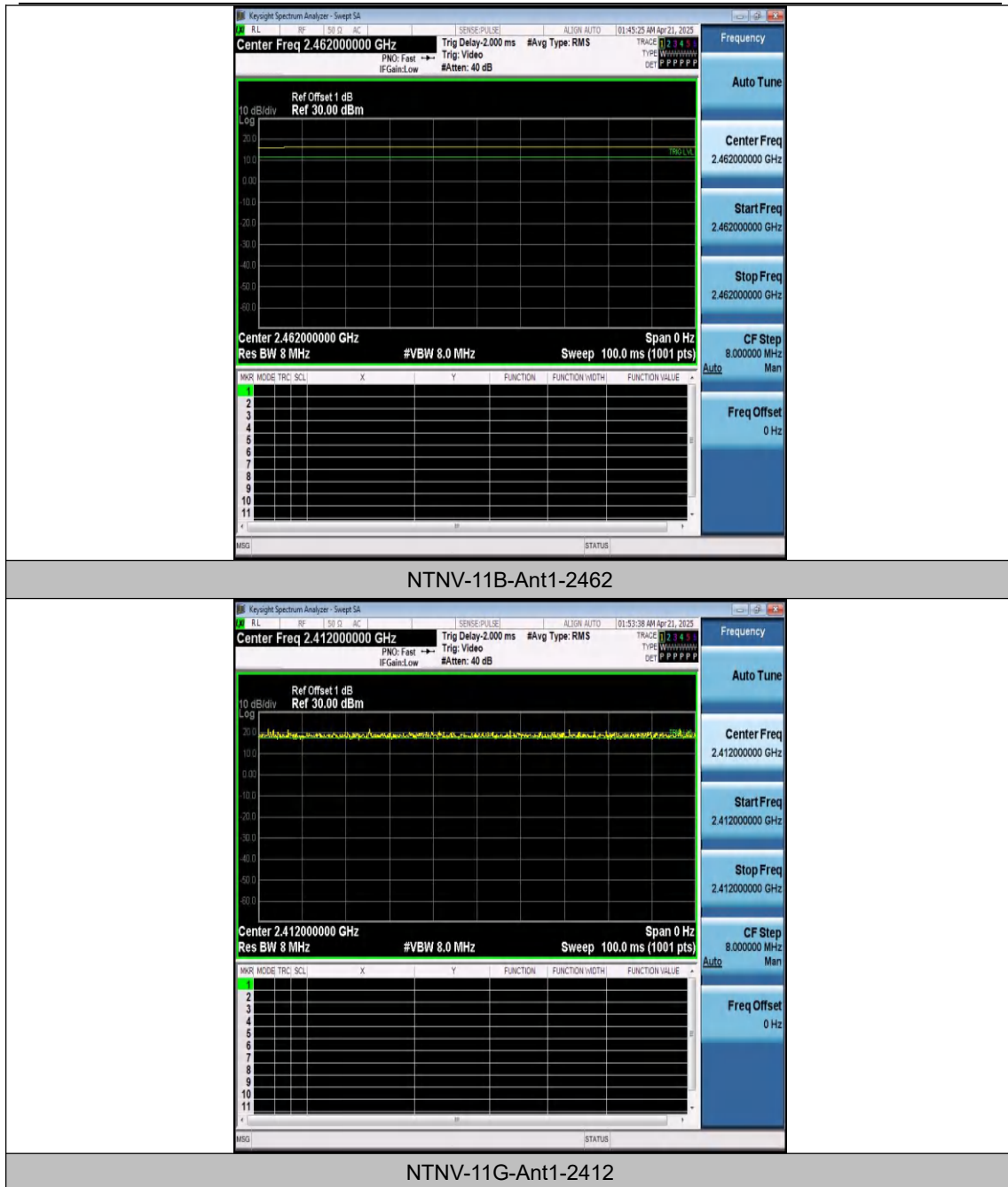
Test Graphs



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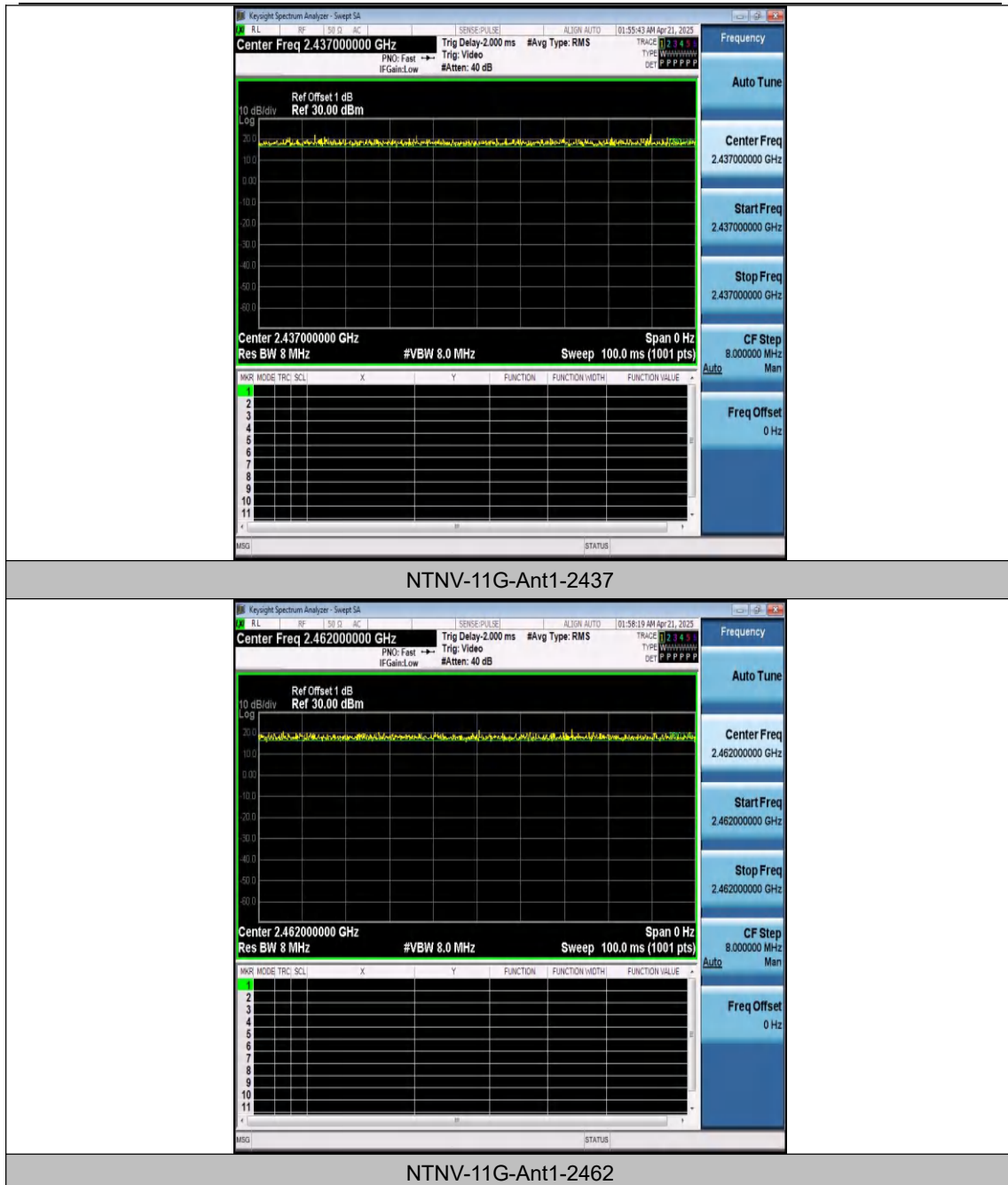
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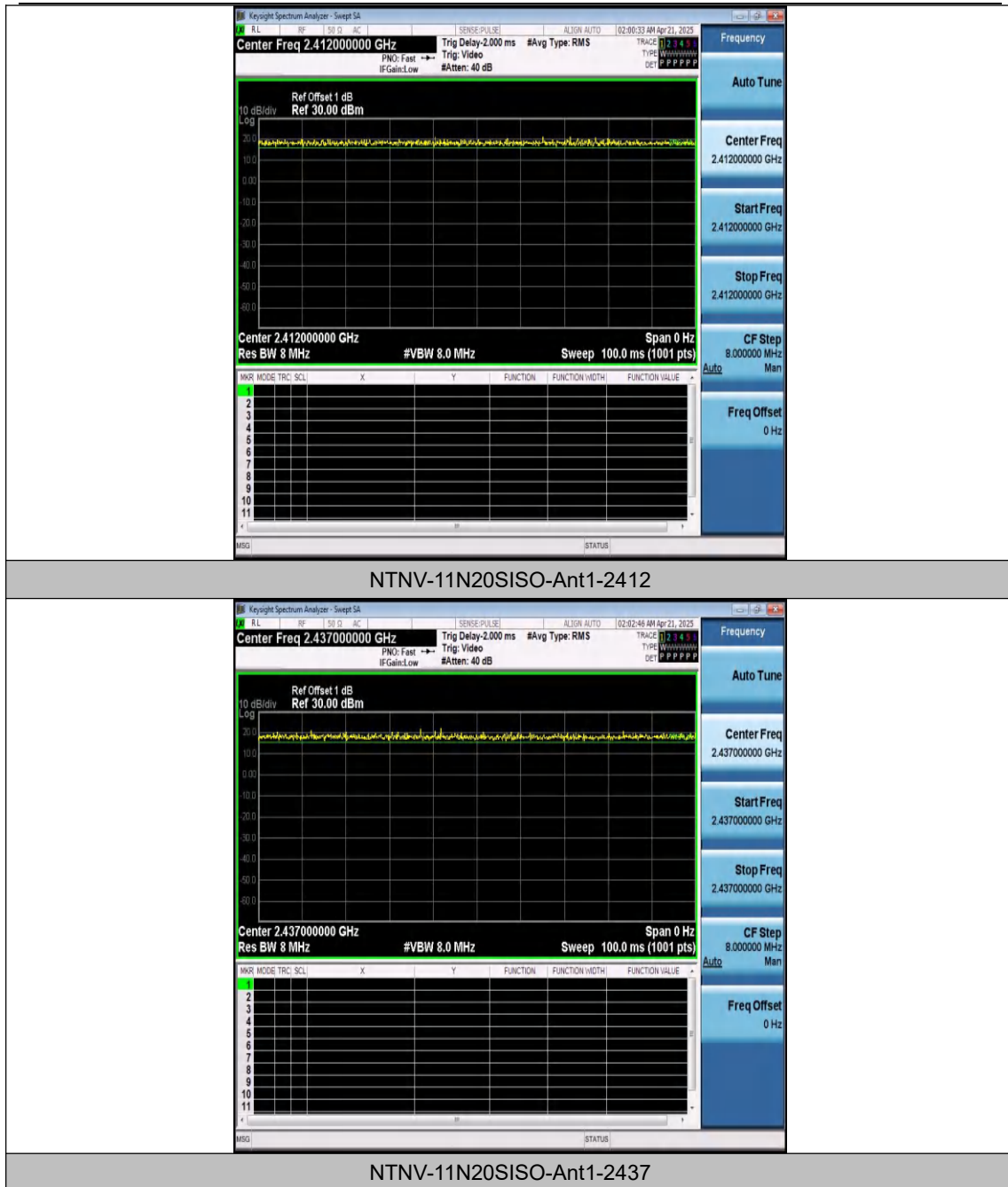


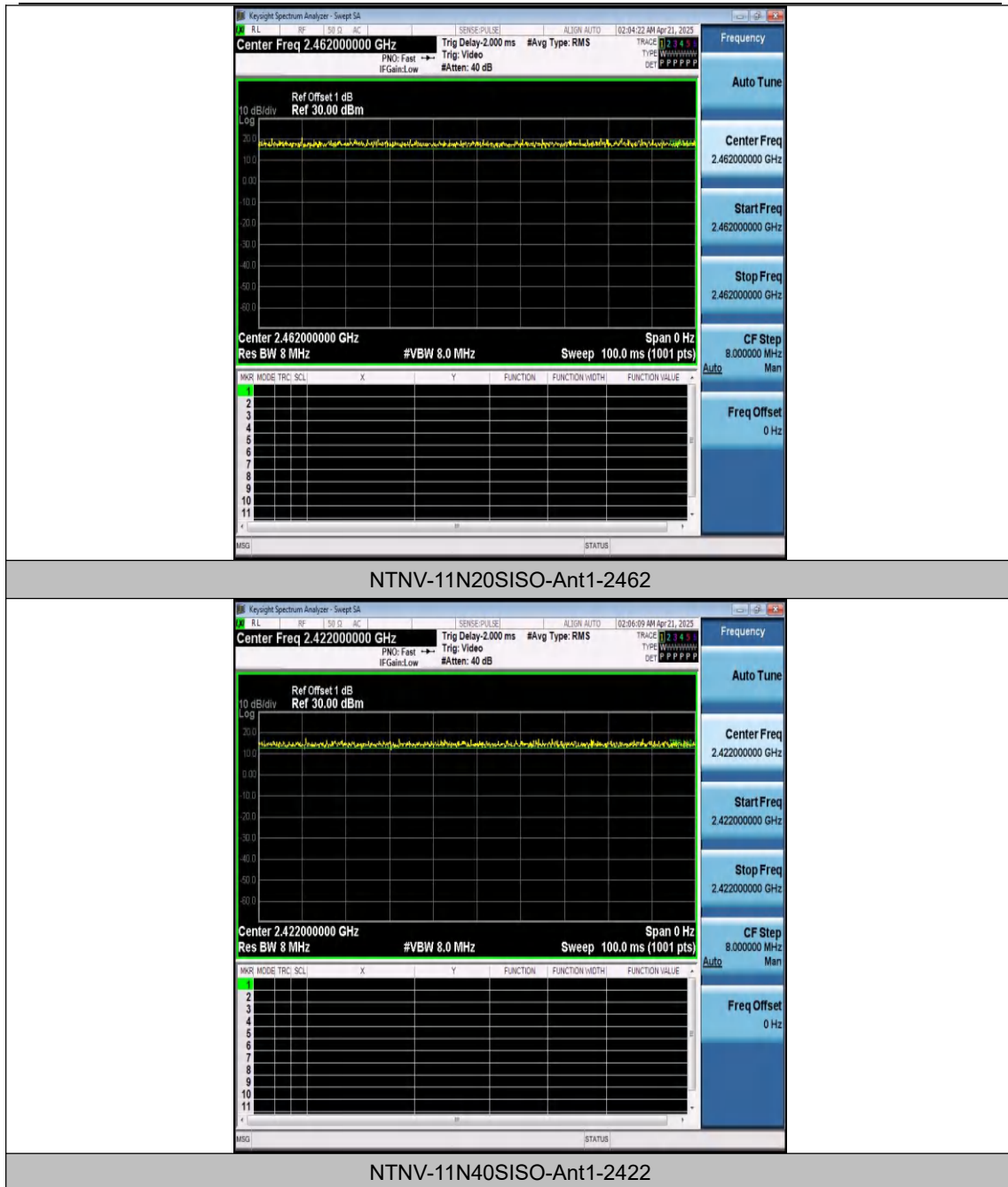
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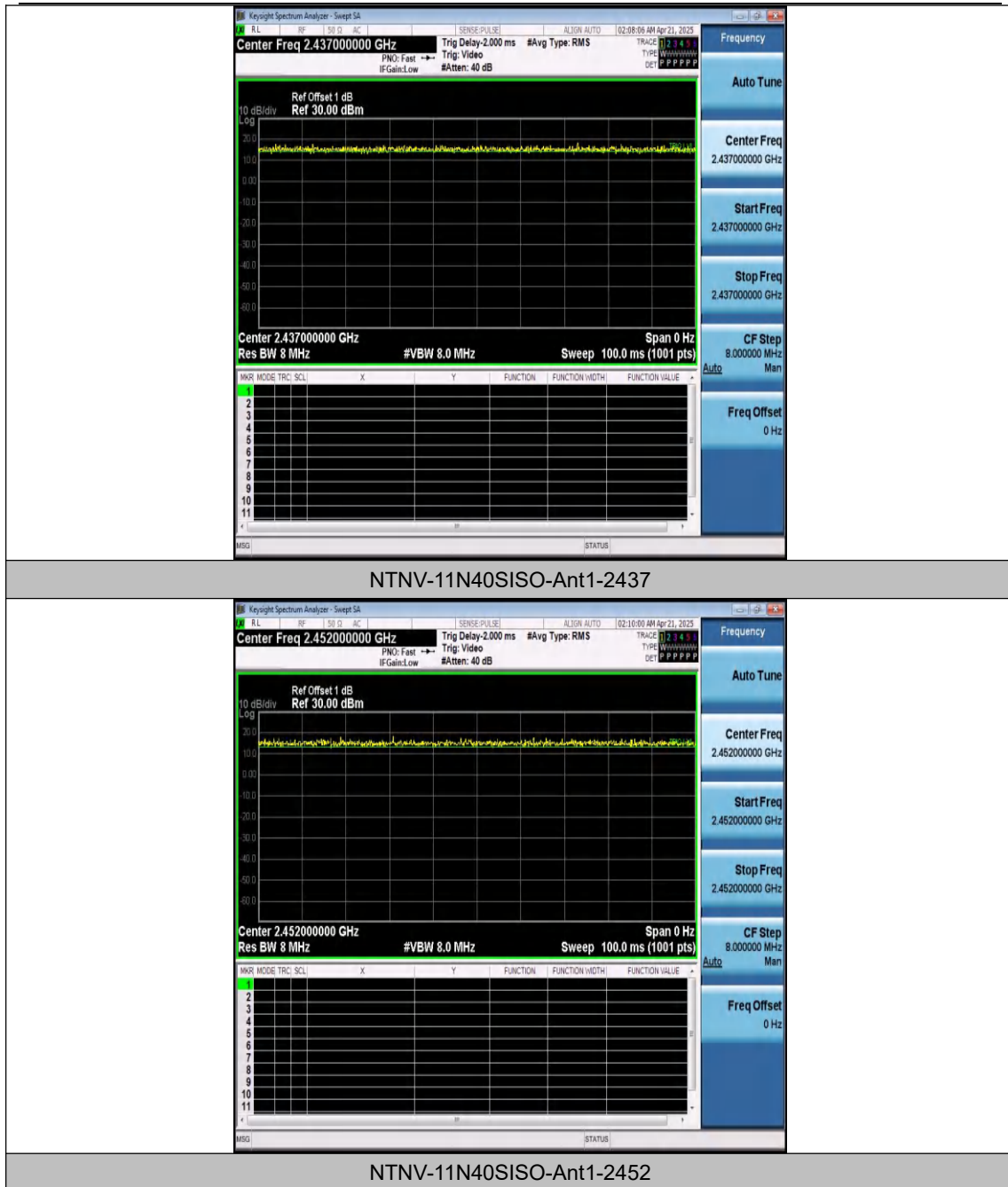




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