

Appendix Test Data

Report No.:	1812C50673312502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-22	Finish Test Date:	2025-12-22
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.2°C	Relative Humidity:	51%
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	9.280	2407.360	2416.640	0.5	PASS
11B	Ant1	2437	9.280	2432.360	2441.640	0.5	PASS
11B	Ant1	2462	9.280	2457.360	2466.640	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
11G	Ant1	2437	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.240	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.640	2453.160	2470.800	0.5	PASS

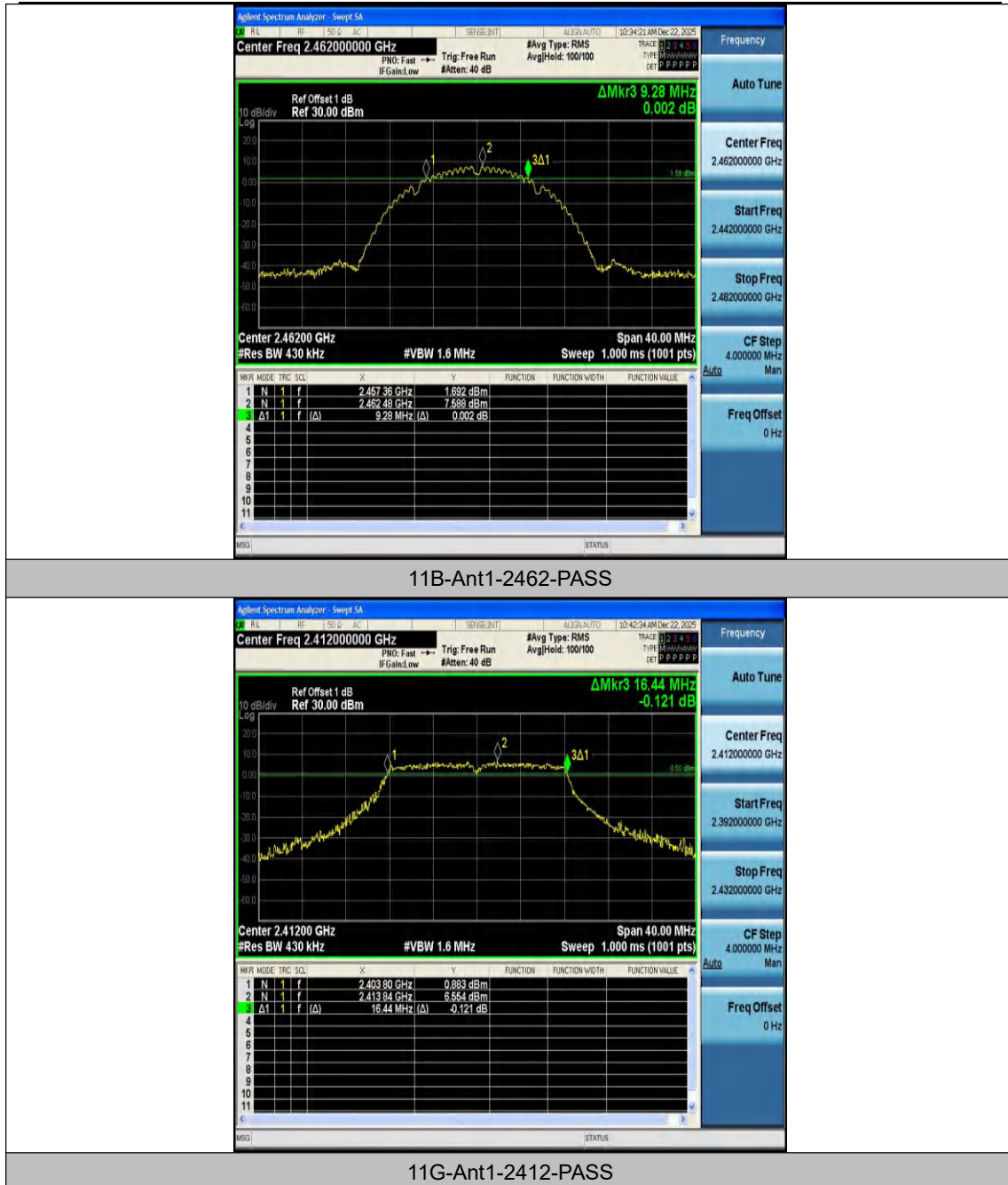
Test Graphs

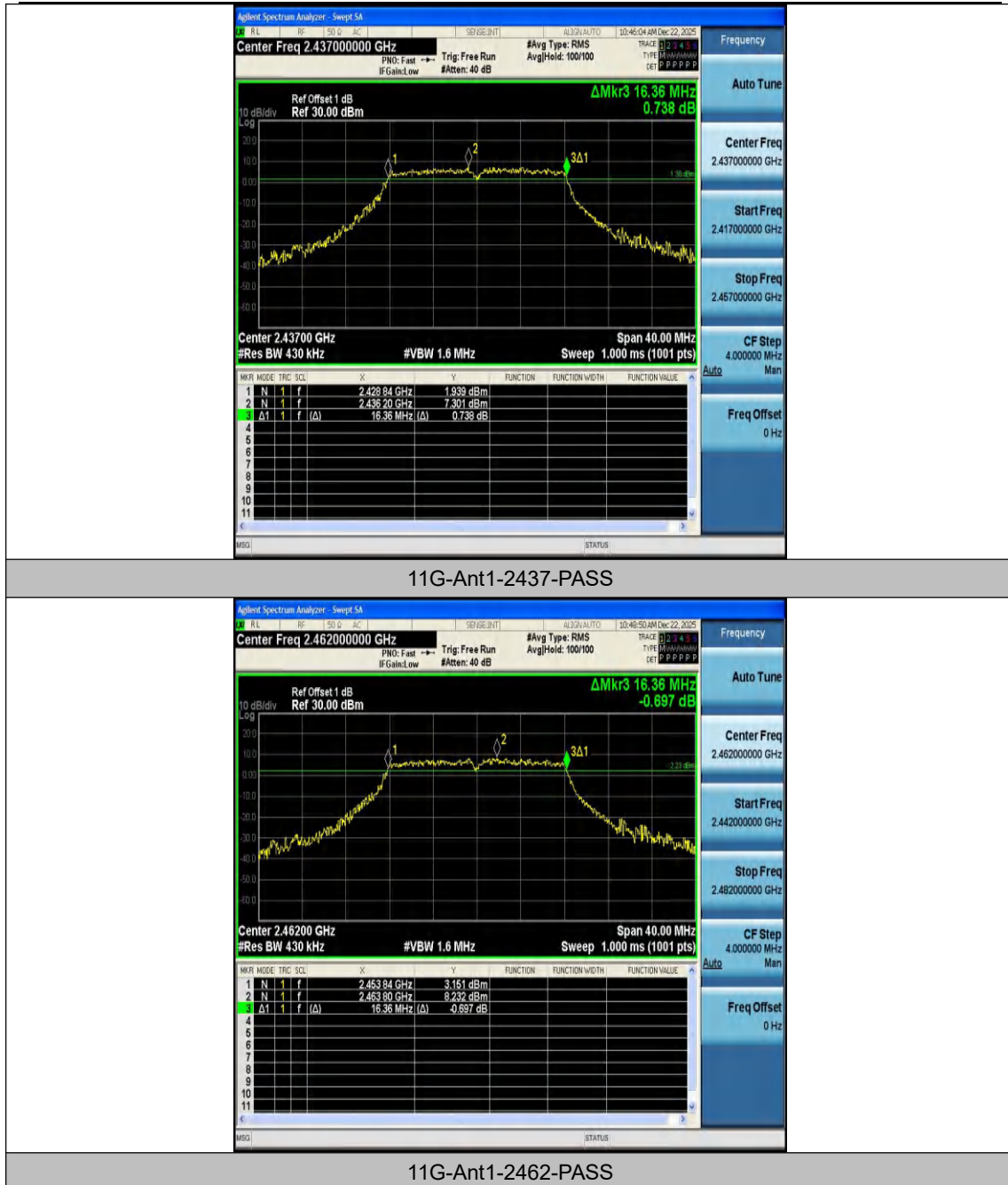


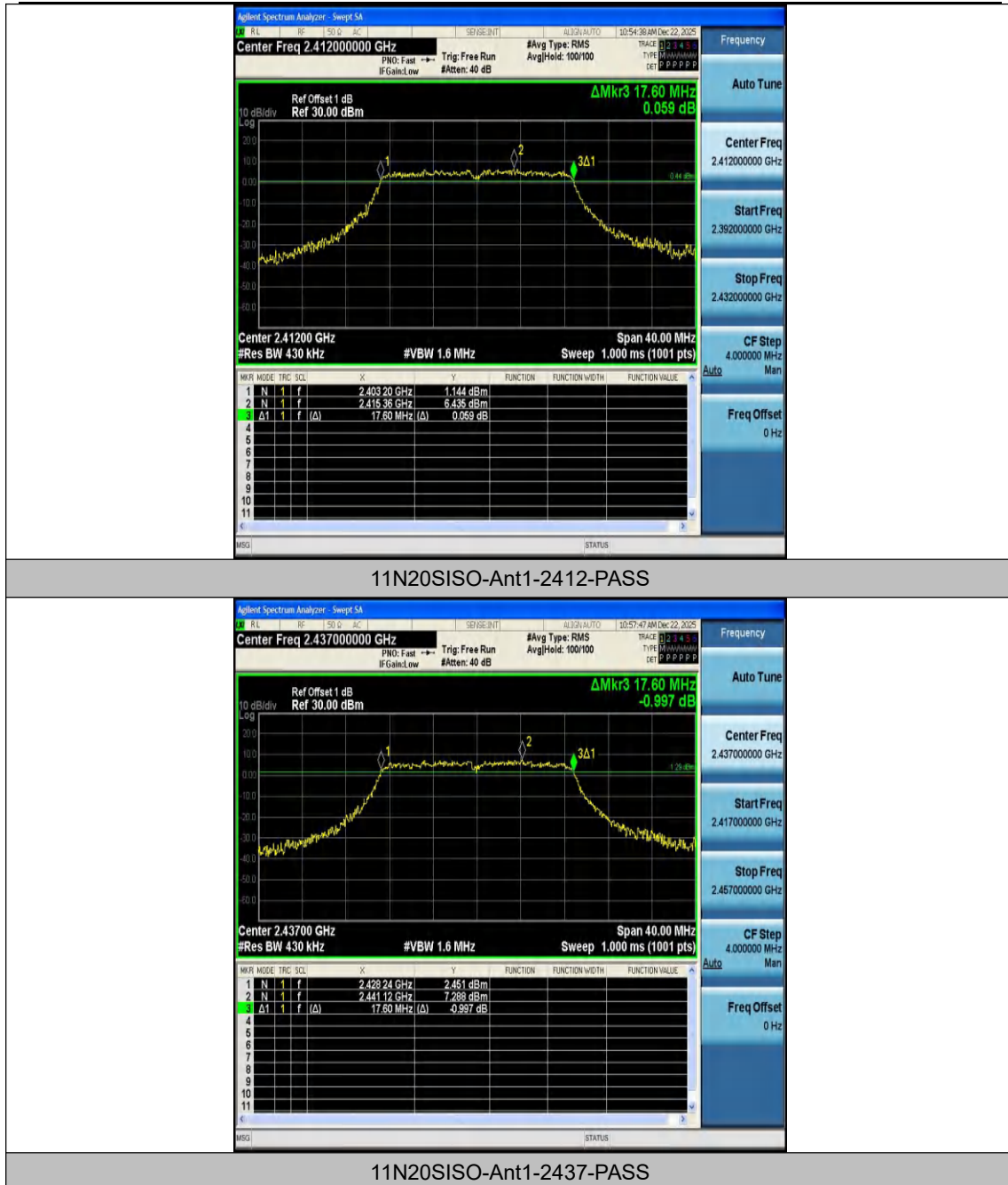
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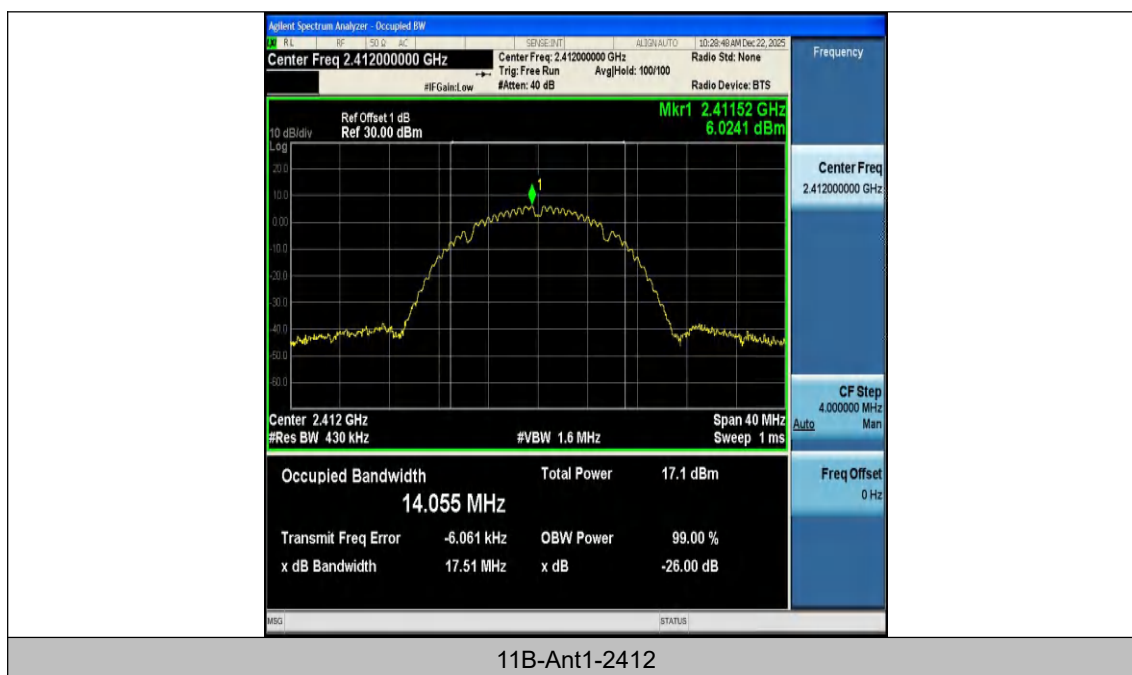
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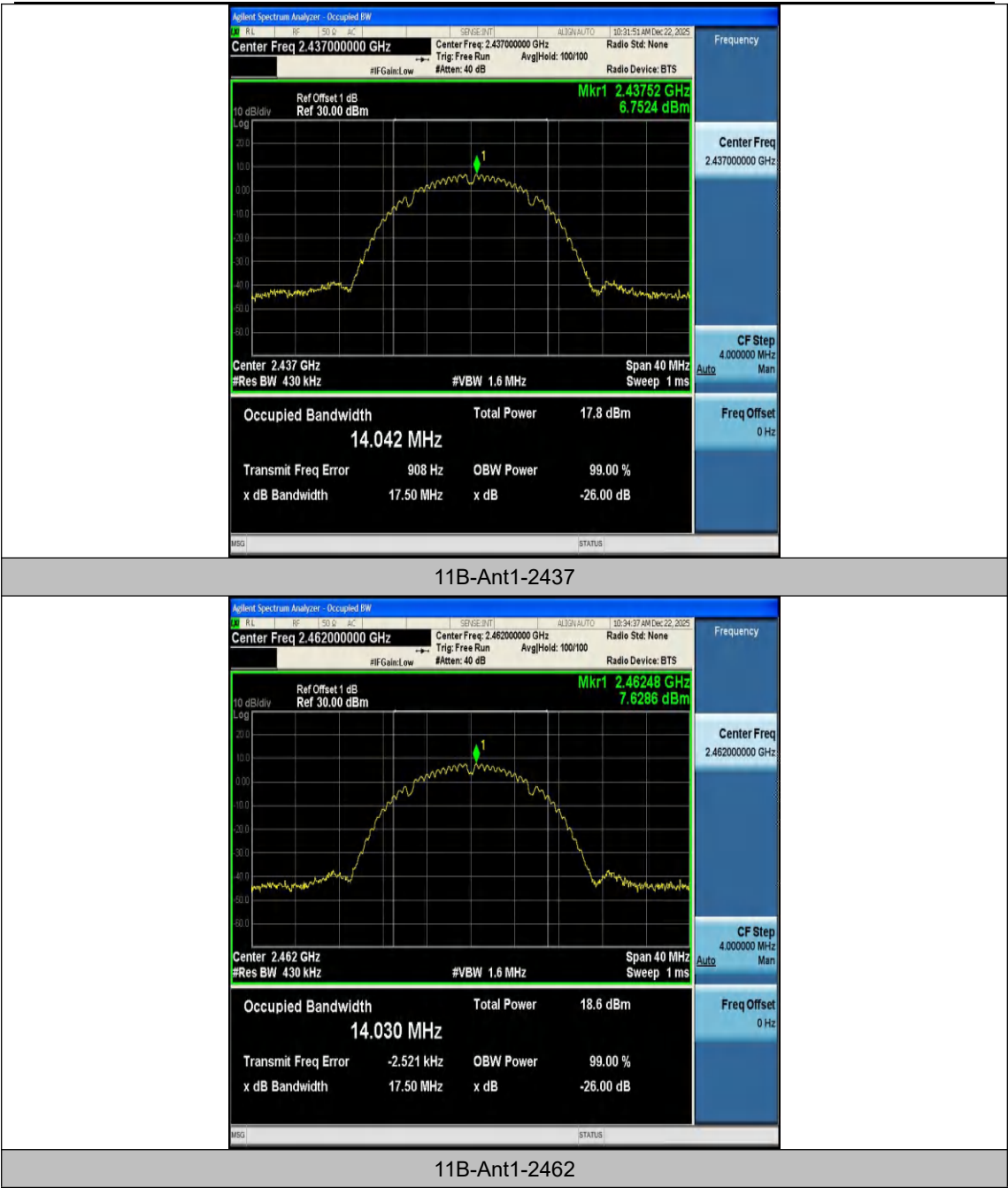
Appendix B: 99% Occupied Bandwidth

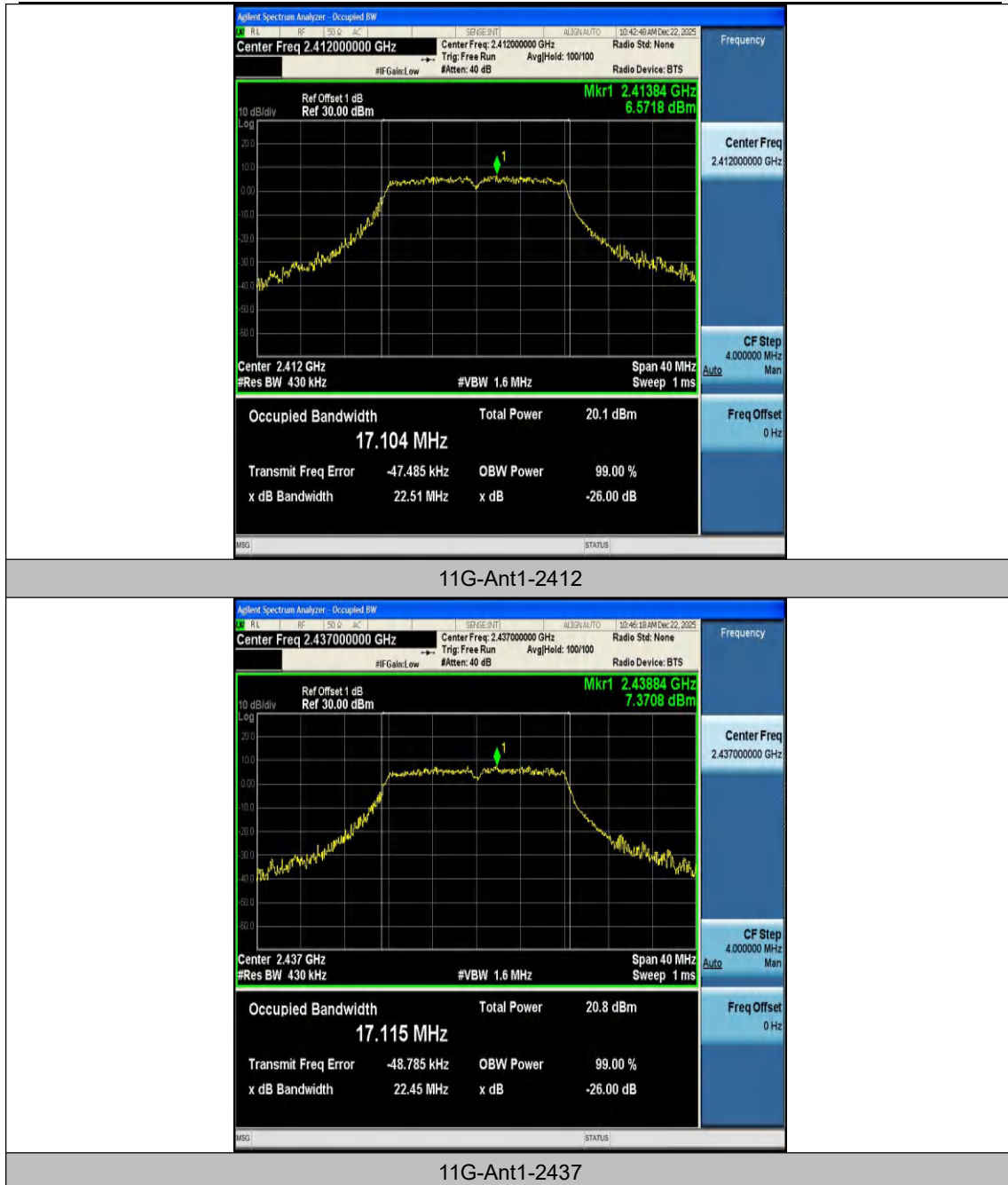
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.055	2404.9664	2419.0214	---	---
11B	Ant1	2437	14.042	2429.9799	2444.0219	---	---
11B	Ant1	2462	14.030	2454.9825	2469.0125	---	---
11G	Ant1	2412	17.104	2403.4005	2420.5045	---	---
11G	Ant1	2437	17.115	2428.3937	2445.5087	---	---
11G	Ant1	2462	17.045	2453.4536	2470.4986	---	---
11N20SISO	Ant1	2412	18.183	2402.9285	2421.1115	---	---
11N20SISO	Ant1	2437	18.133	2427.9608	2446.0938	---	---
11N20SISO	Ant1	2462	18.142	2452.9602	2471.1022	---	---

Test Graphs



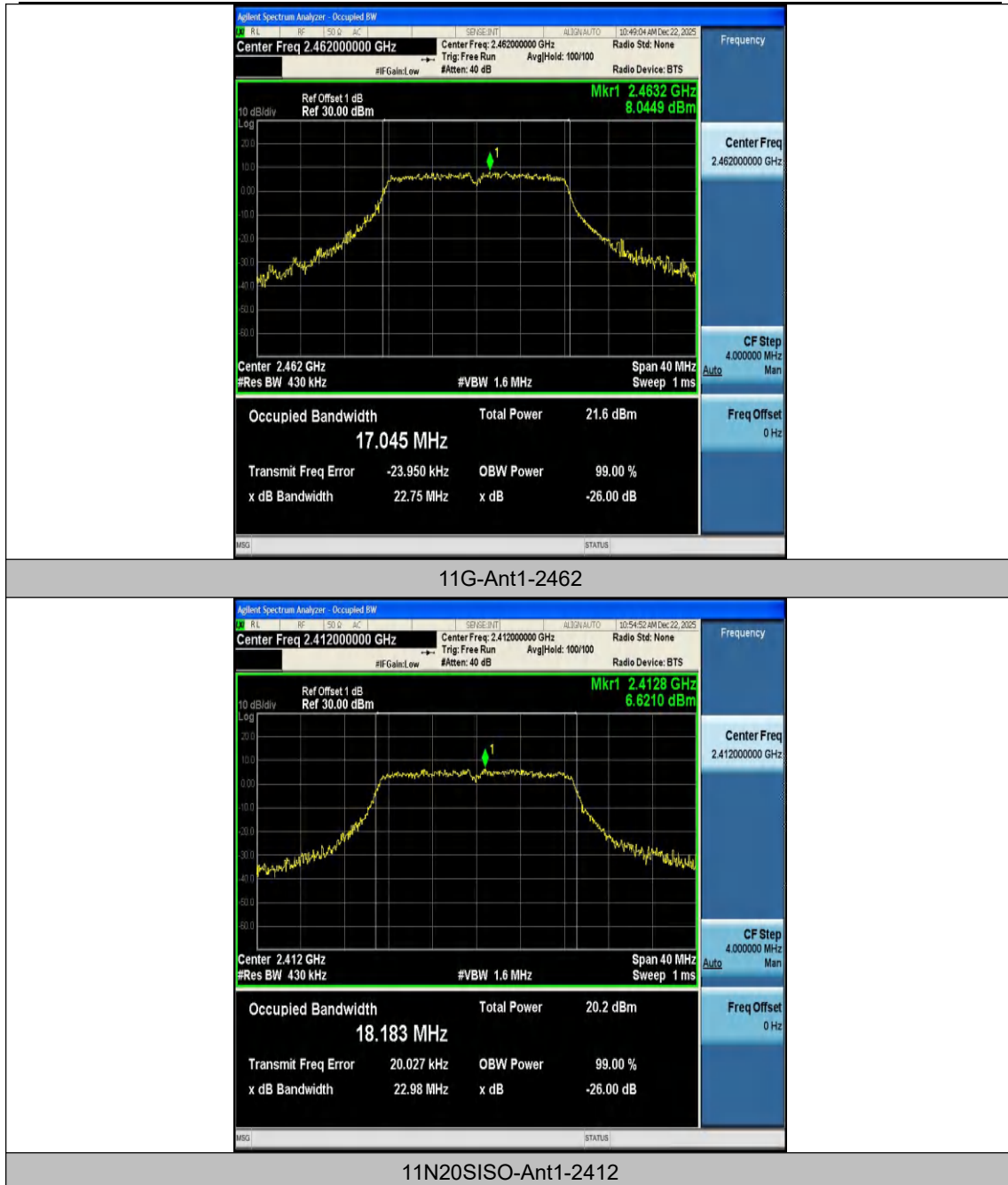




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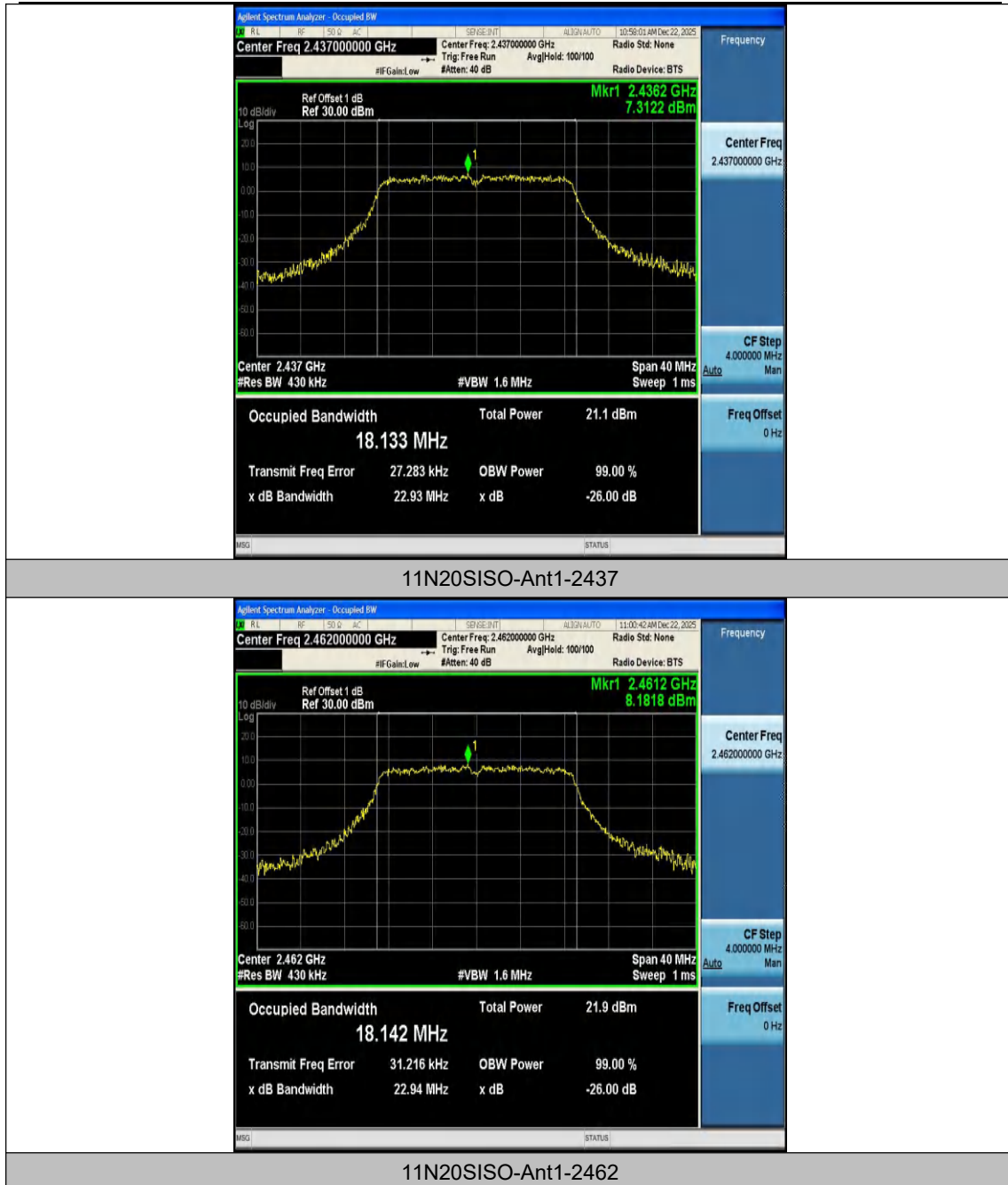
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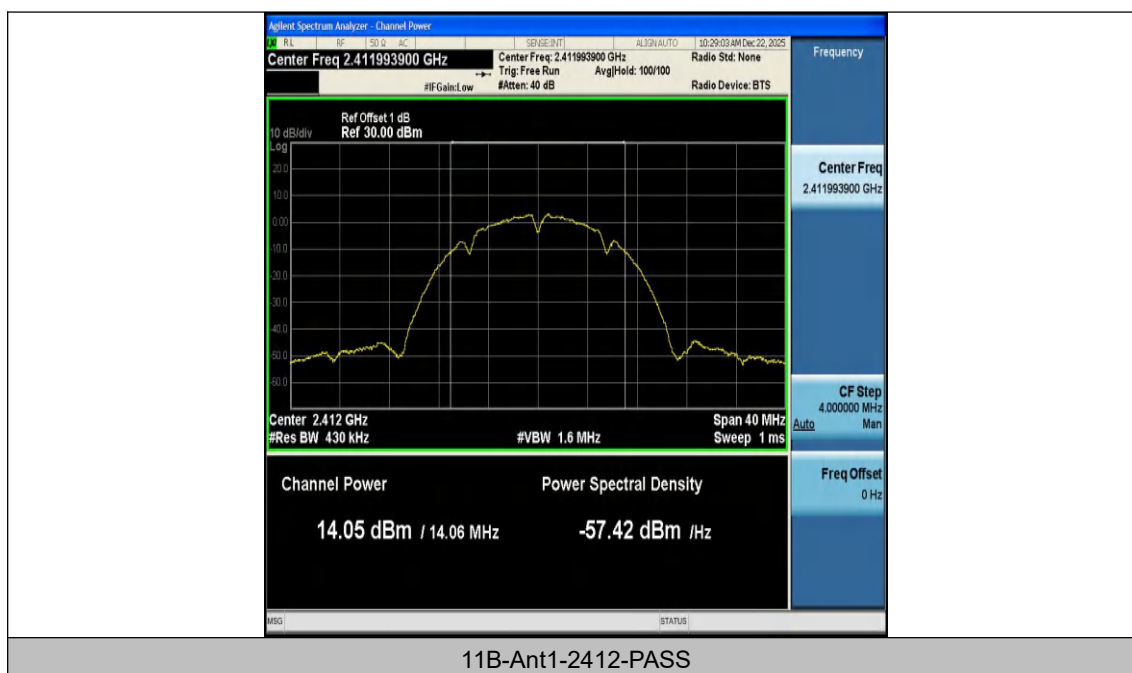
Appendix C: Maximum conducted output power

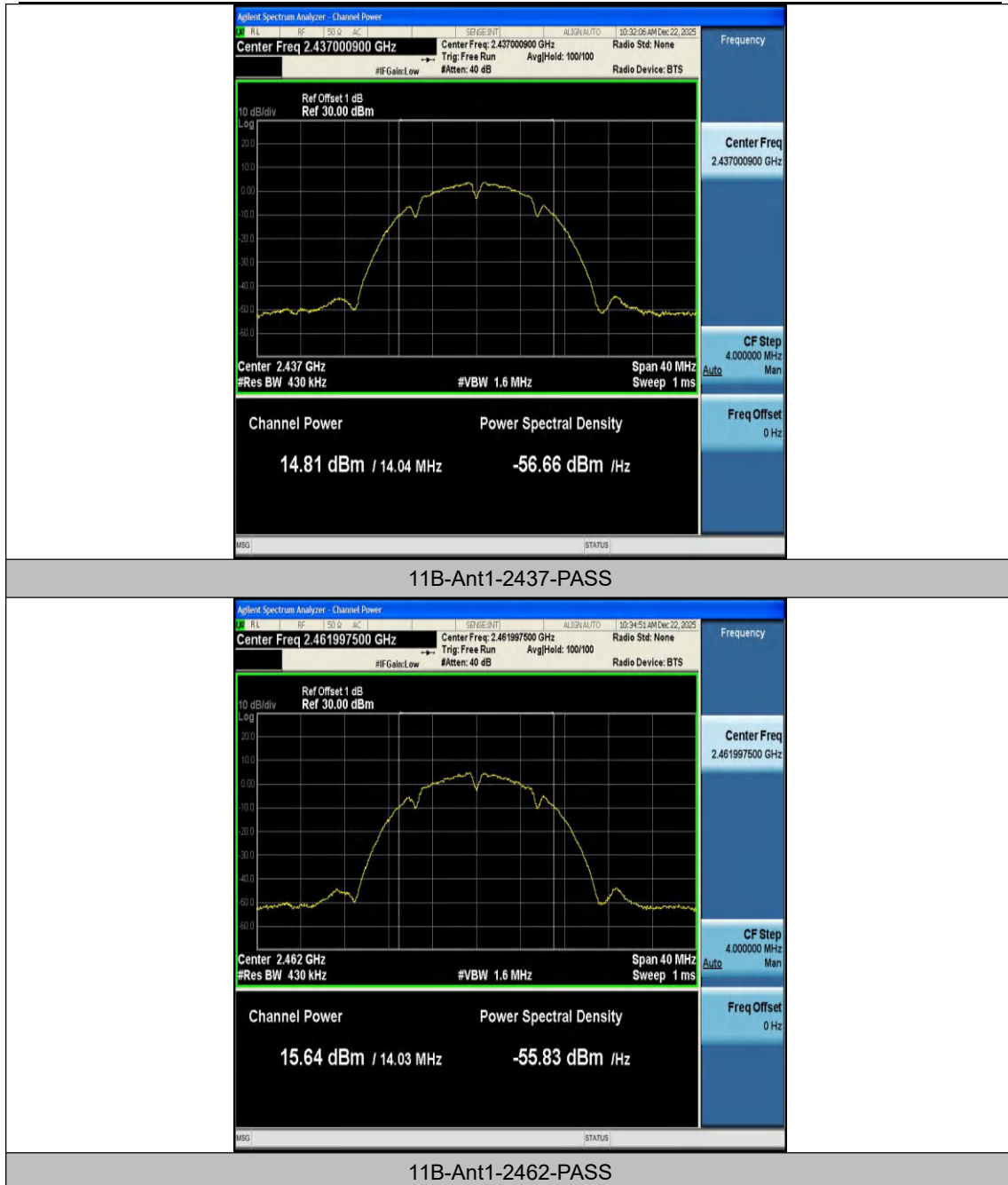
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.05	≤30.00	PASS
11B	Ant1	2437	14.81	≤30.00	PASS
11B	Ant1	2462	15.64	≤30.00	PASS
11G	Ant1	2412	13.99	≤30.00	PASS
11G	Ant1	2437	14.77	≤30.00	PASS
11G	Ant1	2462	15.65	≤30.00	PASS
11N20SISO	Ant1	2412	14.10	≤30.00	PASS
11N20SISO	Ant1	2437	14.94	≤30.00	PASS
11N20SISO	Ant1	2462	15.78	≤30.00	PASS

Note: The cable loss are compensated in the graph.

Test Graphs Average

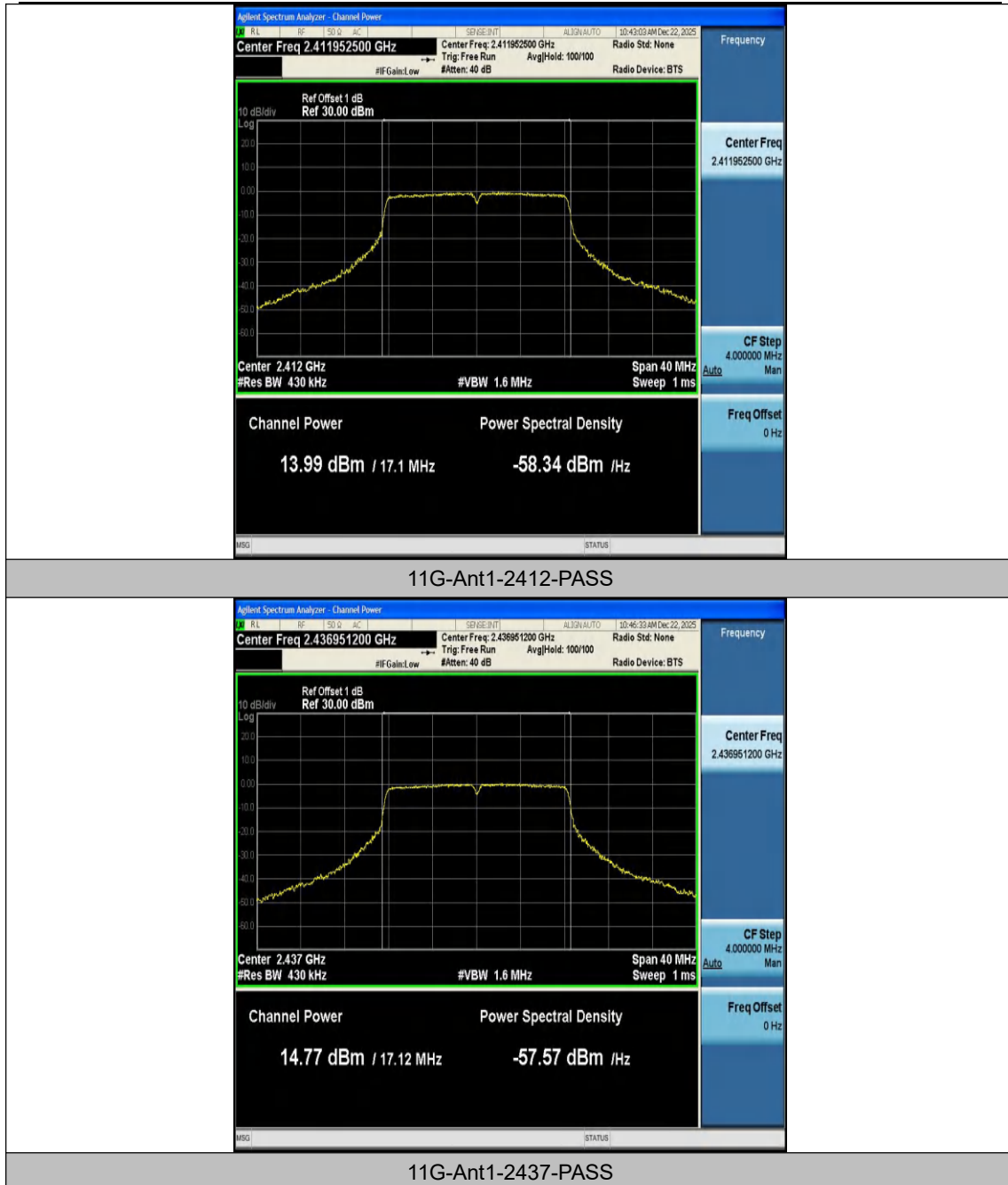




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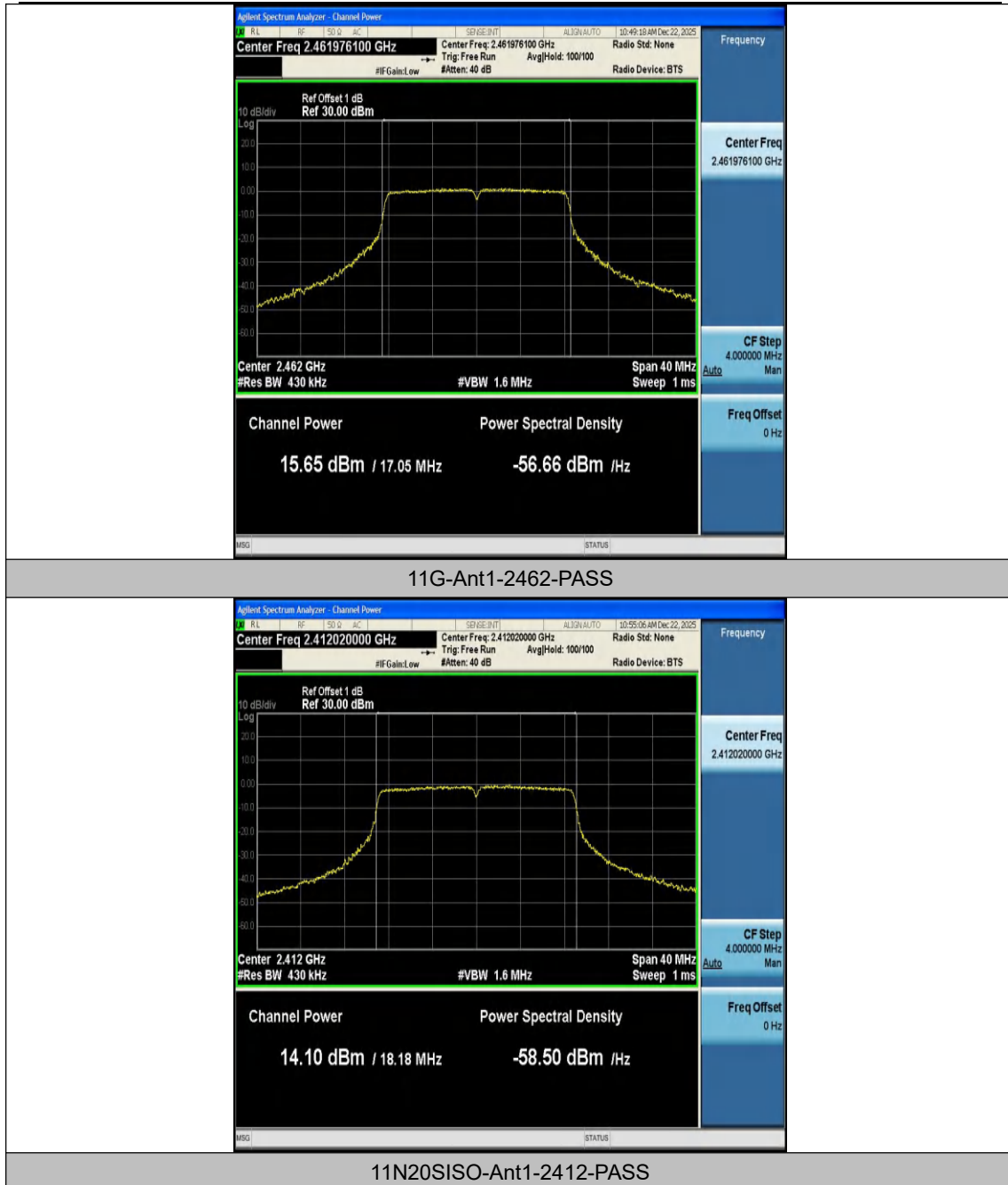
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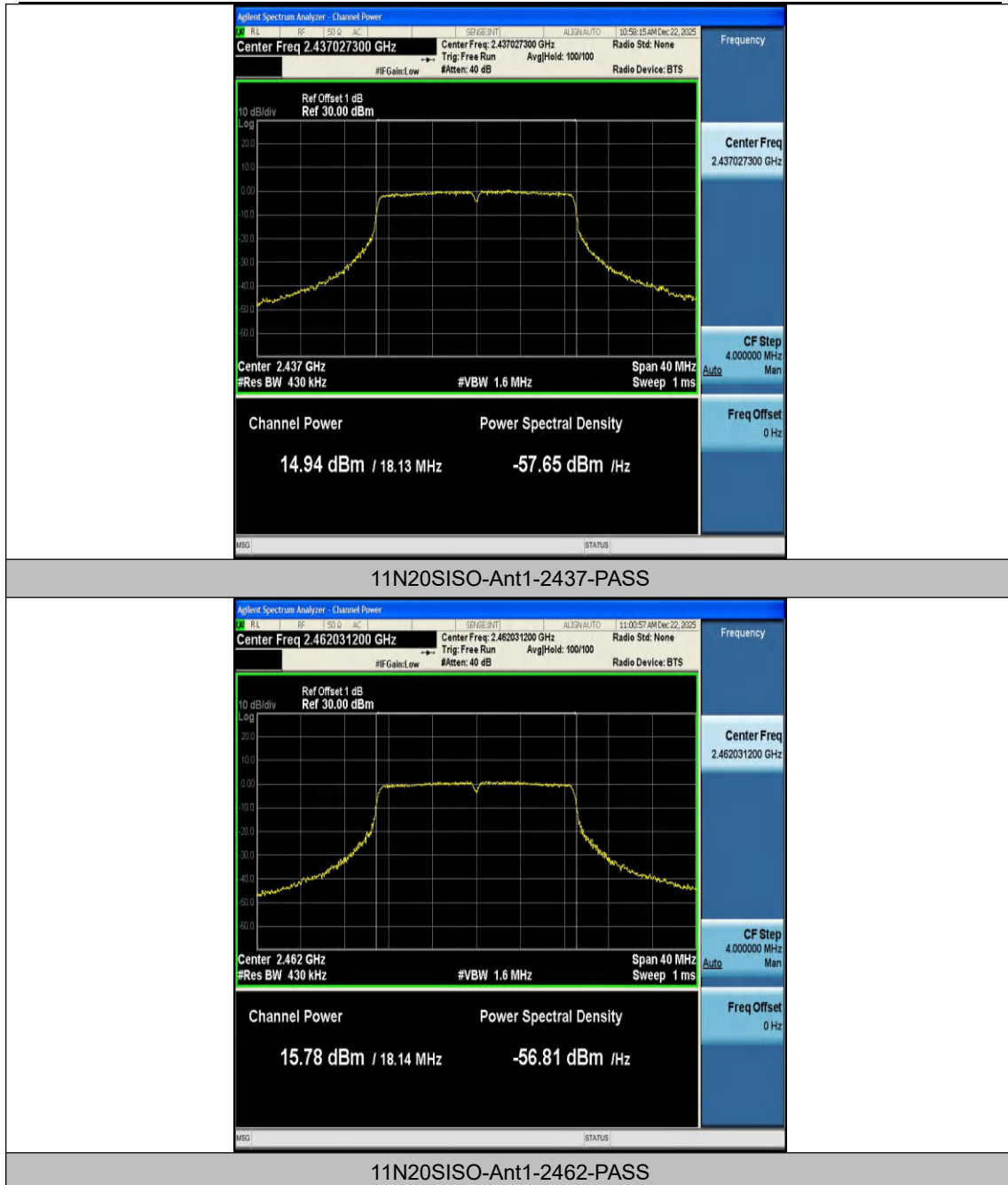
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Appendix D: Maximum power spectral density

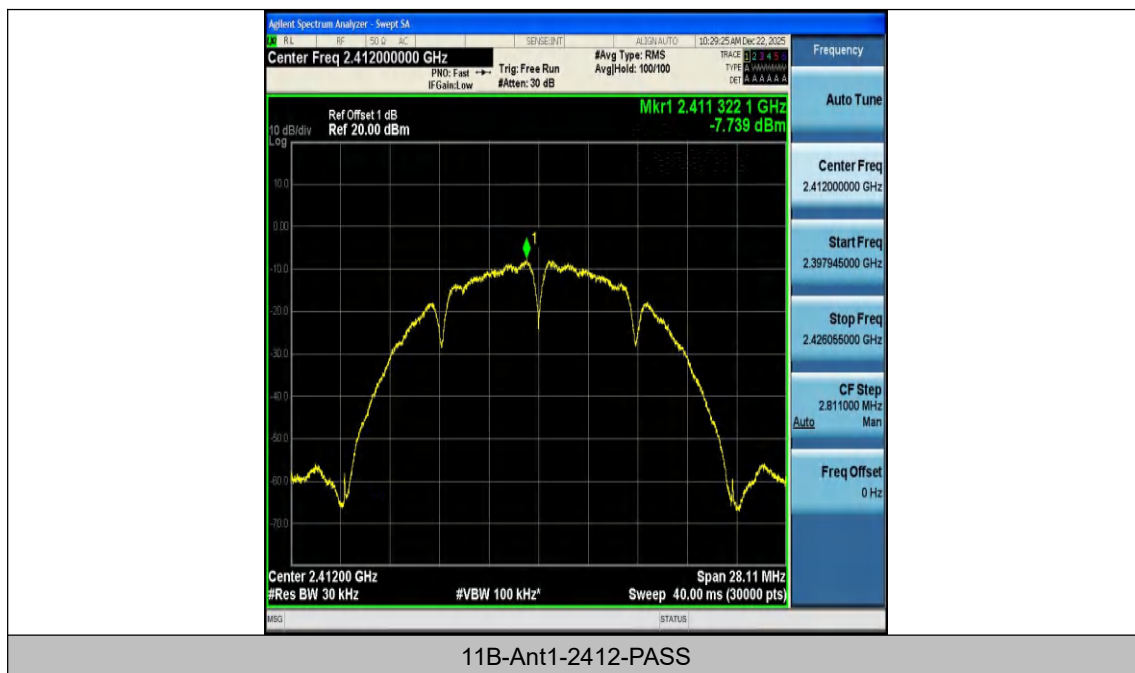
Test Result

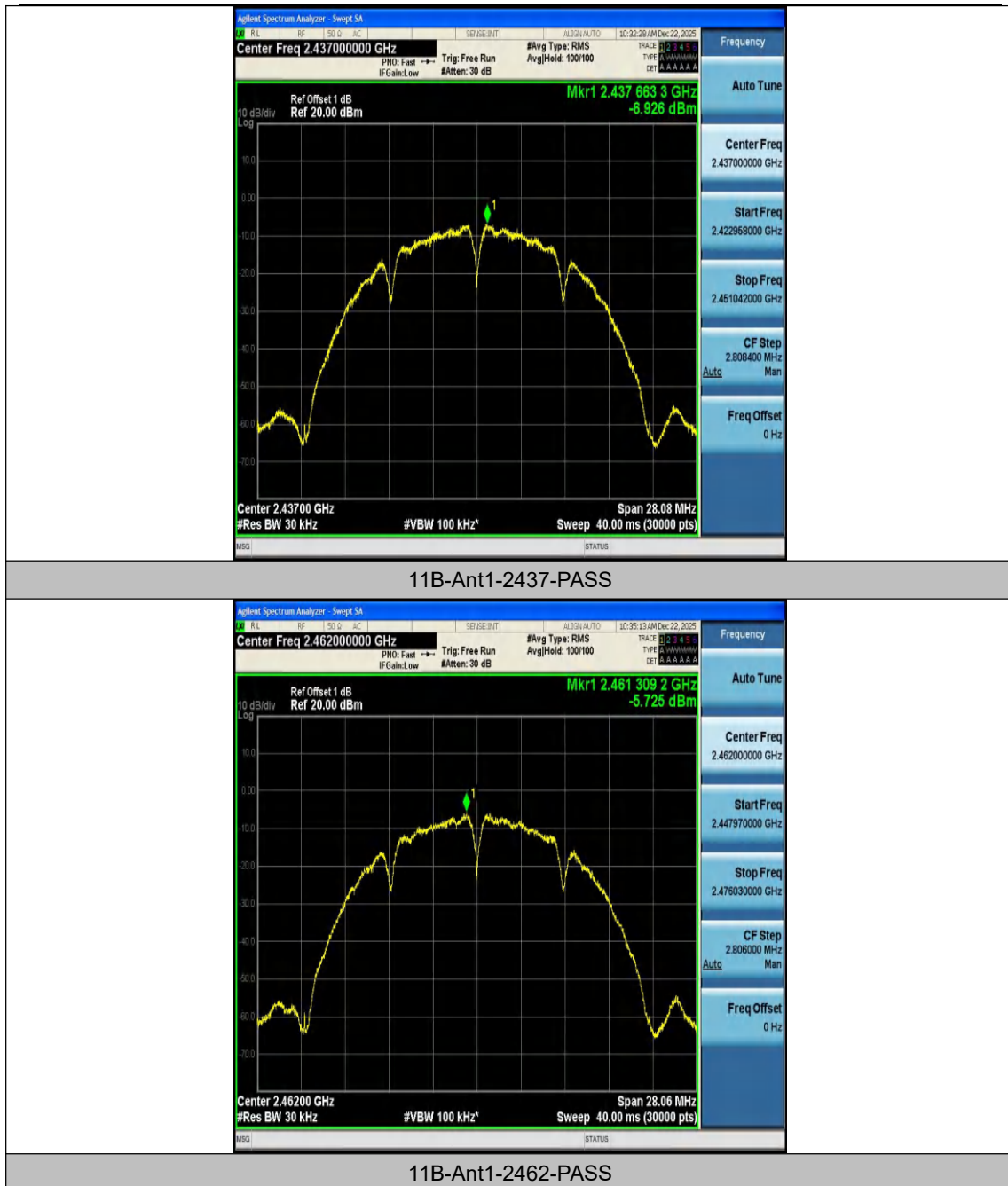
Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.74	≤8.00	PASS
11B	Ant1	2437	-6.93	≤8.00	PASS
11B	Ant1	2462	-5.73	≤8.00	PASS
11G	Ant1	2412	-10.14	≤8.00	PASS
11G	Ant1	2437	-9.58	≤8.00	PASS
11G	Ant1	2462	-8.13	≤8.00	PASS
11N20SISO	Ant1	2412	-10.46	≤8.00	PASS
11N20SISO	Ant1	2437	-9.53	≤8.00	PASS
11N20SISO	Ant1	2462	-8.91	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.

Test Graphs

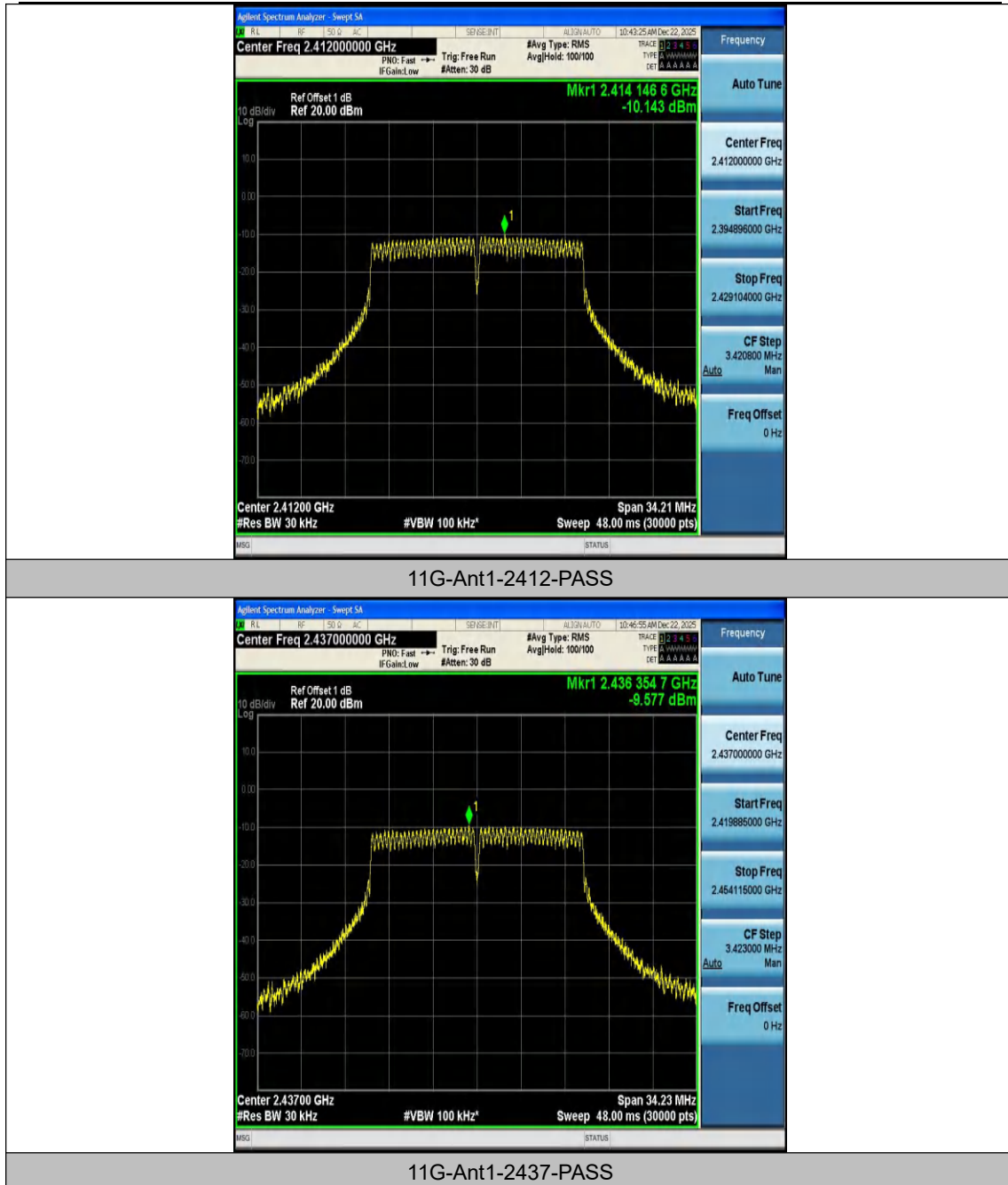




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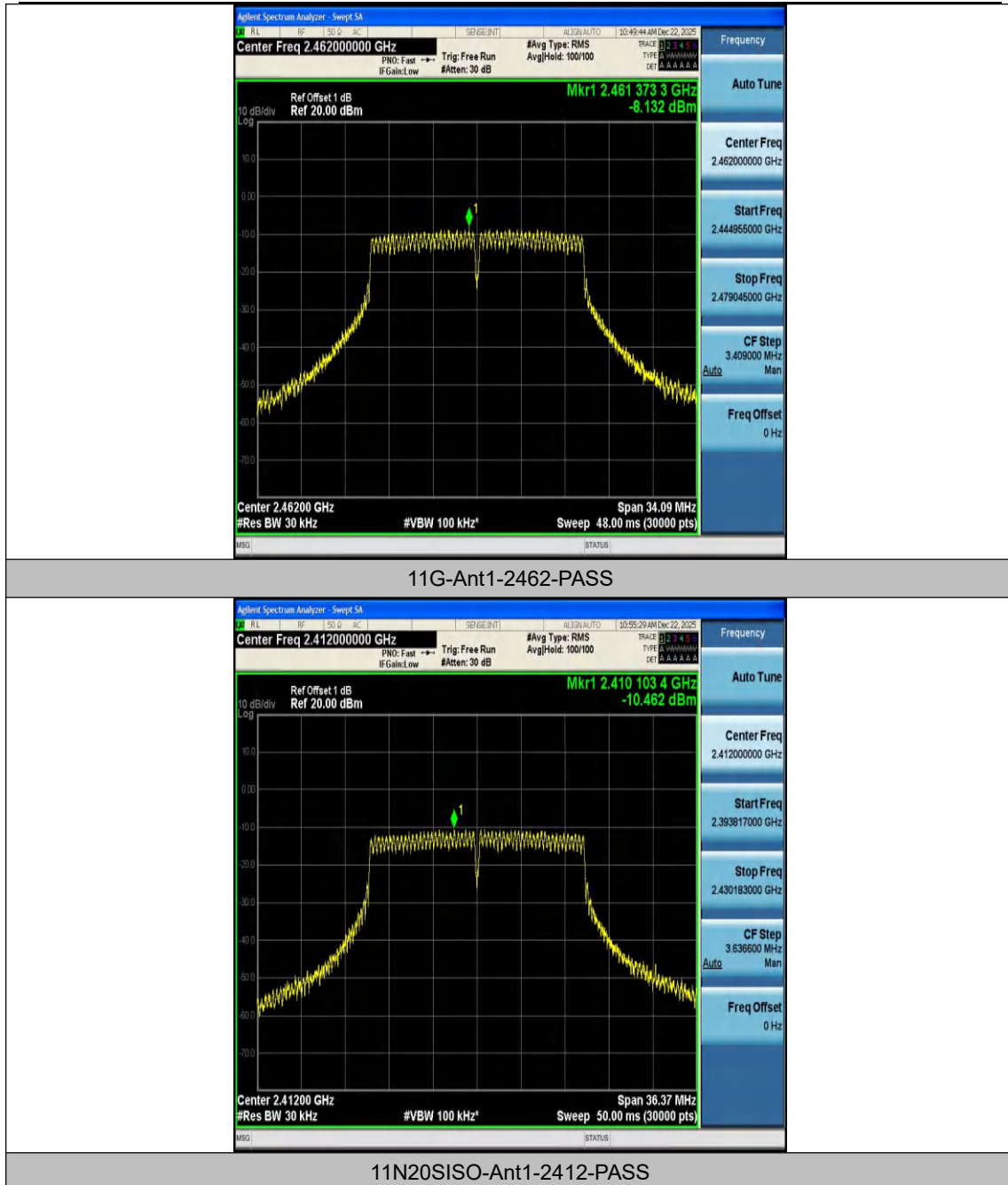
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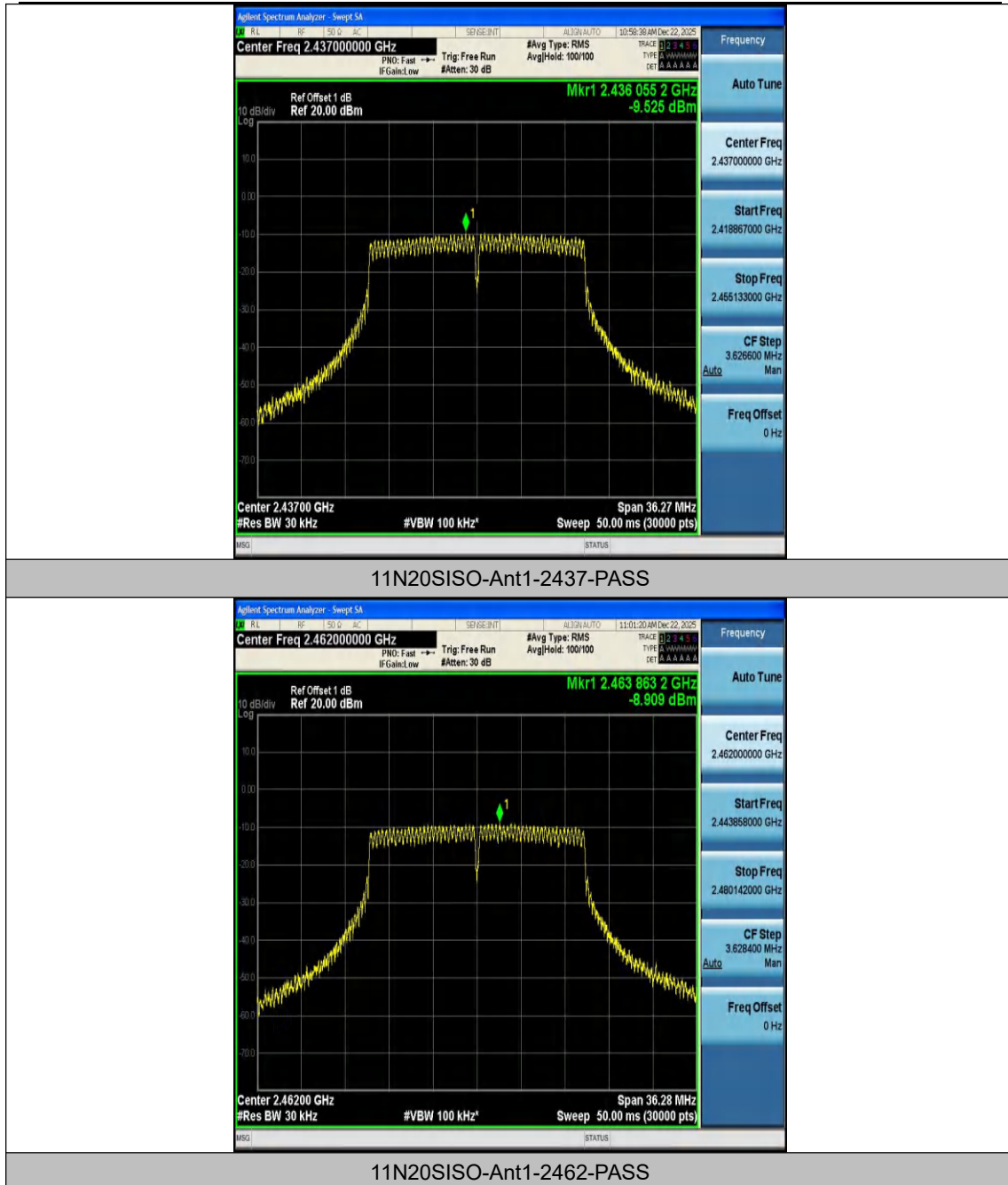
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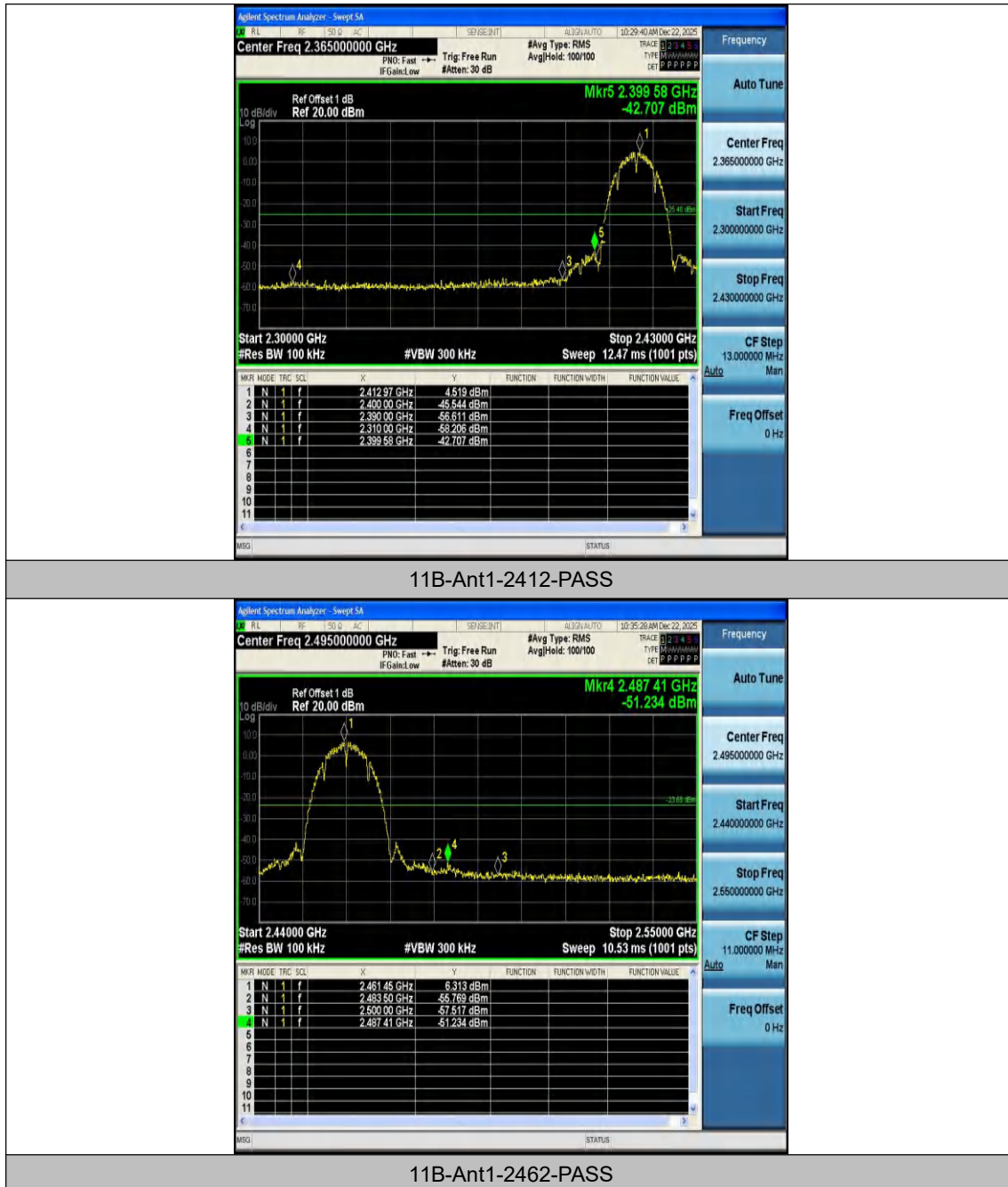
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.52	-42.71	≤-25.48	PASS
11B	Ant1	High	2462	6.31	-51.23	≤-23.69	PASS
11G	Ant1	Low	2412	-0.13	-31.6	≤-30.13	PASS
11G	Ant1	High	2462	1.34	-43.09	≤-28.66	PASS
11N20SISO	Ant1	Low	2412	0.15	-30.03	≤-29.86	PASS
11N20SISO	Ant1	High	2462	1.95	-40.77	≤-28.05	PASS

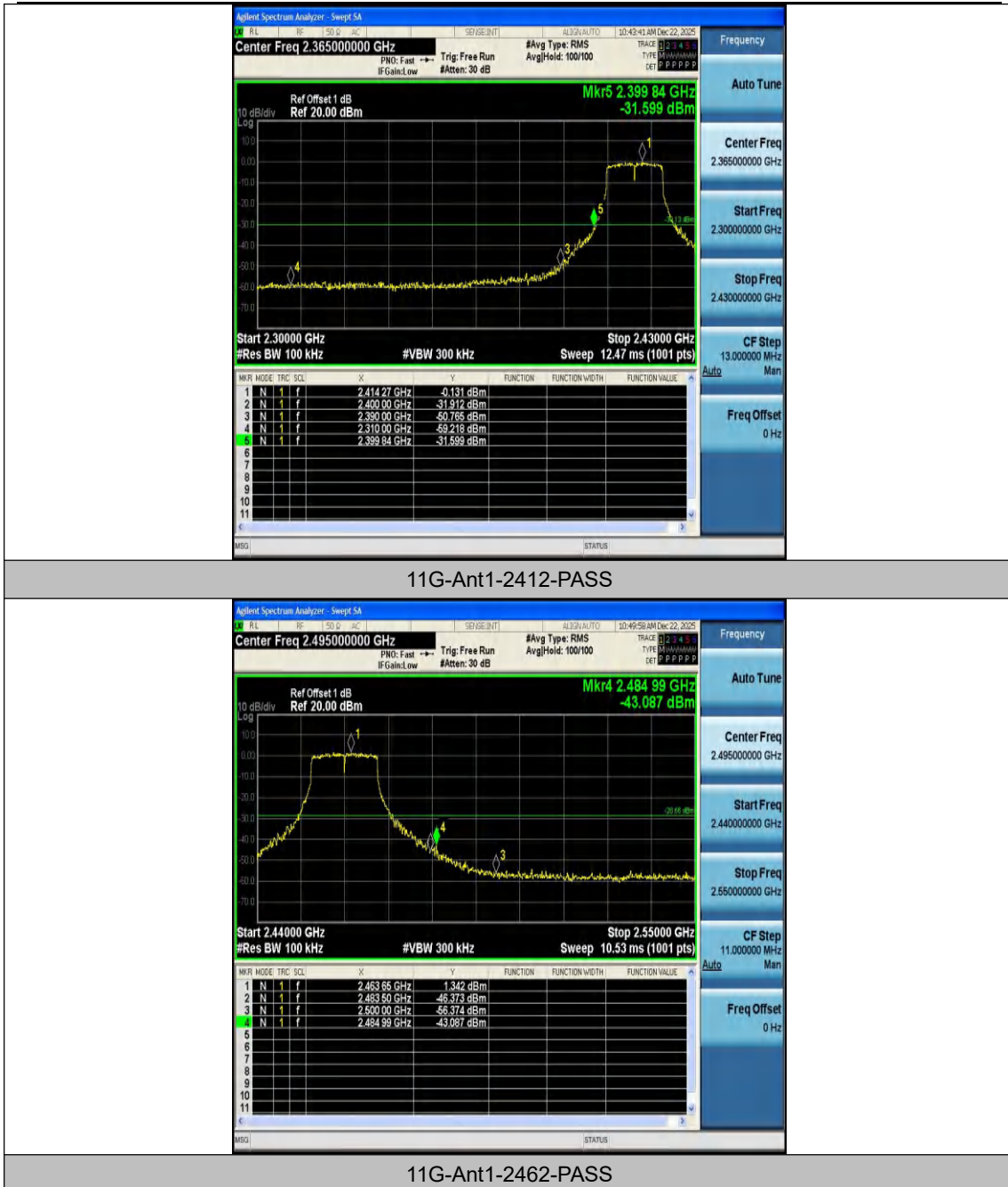
Test Graphs

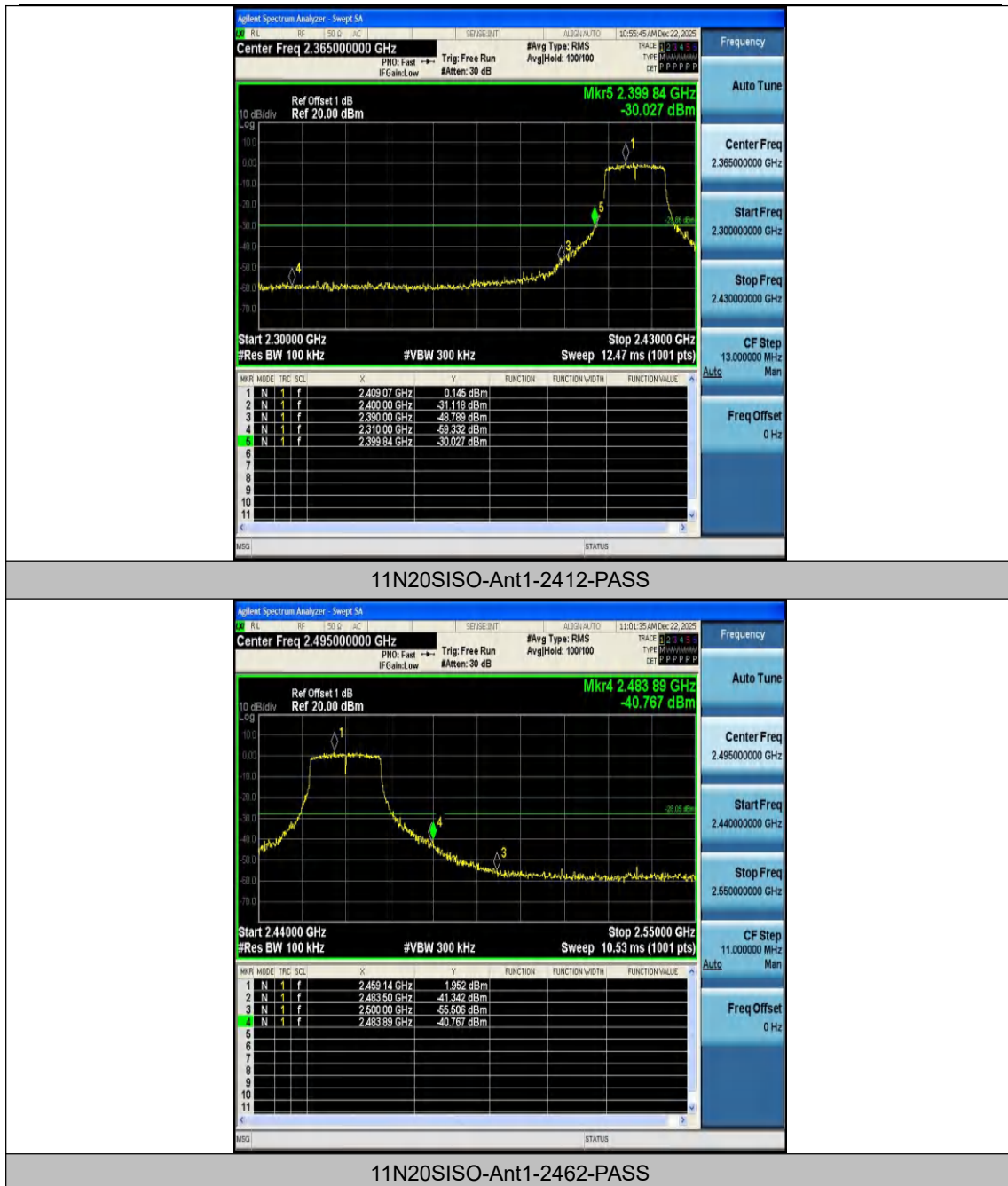


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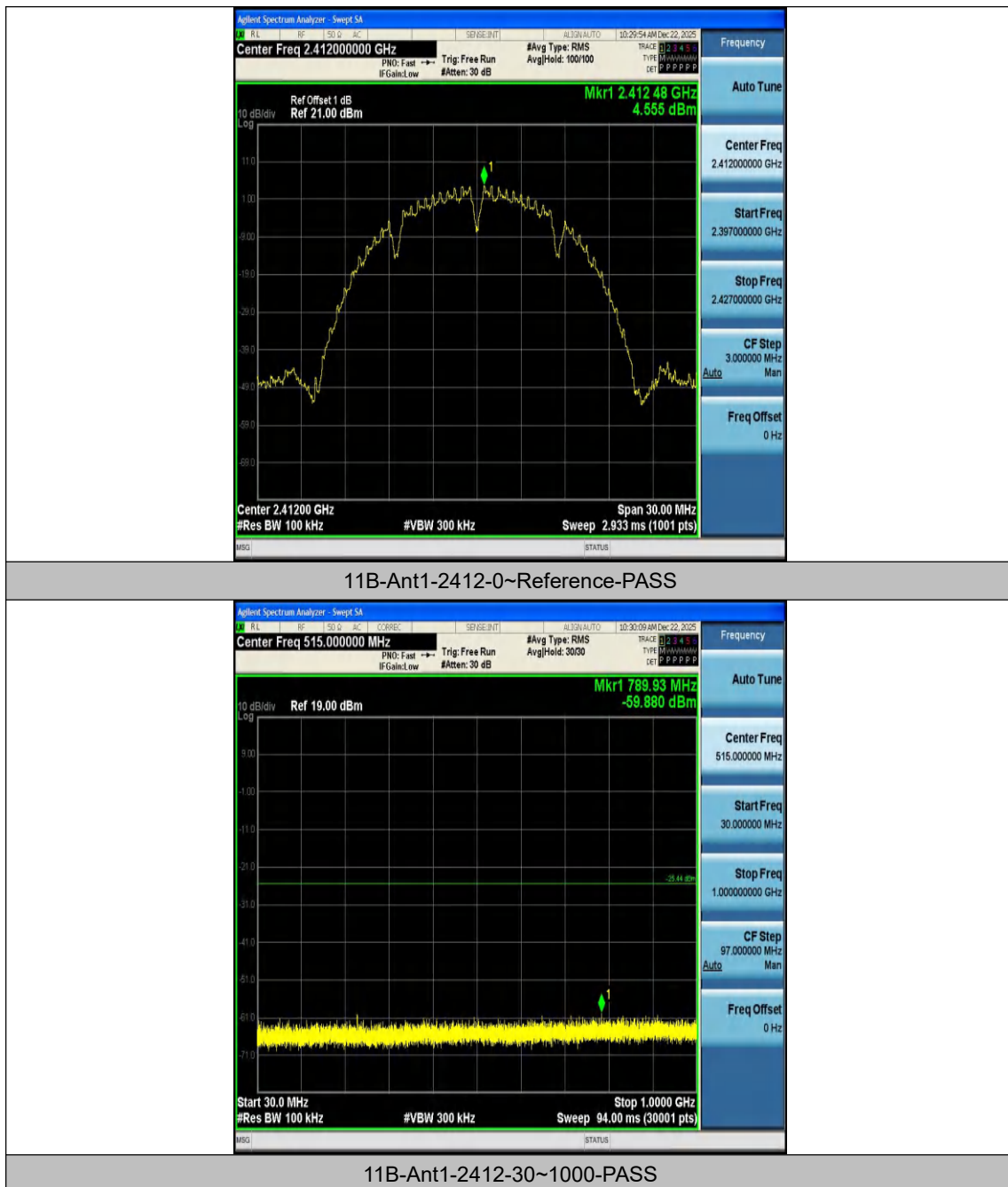
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.56	4.56	---	PASS
11B	Ant1	2412	30~1000	4.56	-59.88	≤-25.44	PASS
11B	Ant1	2412	1000~26500	4.56	-40.19	≤-25.44	PASS
11B	Ant1	2437	0~Reference	5.37	5.37	---	PASS
11B	Ant1	2437	30~1000	5.37	-59.34	≤-24.63	PASS
11B	Ant1	2437	1000~26500	5.37	-41.24	≤-24.63	PASS
11B	Ant1	2462	0~Reference	6.17	6.17	---	PASS
11B	Ant1	2462	30~1000	6.17	-59.53	≤-23.83	PASS
11B	Ant1	2462	1000~26500	6.17	-45.82	≤-23.83	PASS
11G	Ant1	2412	0~Reference	-0.33	-0.33	---	PASS
11G	Ant1	2412	30~1000	-0.33	-59.62	≤-30.33	PASS
11G	Ant1	2412	1000~26500	-0.33	-45.35	≤-30.33	PASS
11G	Ant1	2437	0~Reference	0.68	0.68	---	PASS
11G	Ant1	2437	30~1000	0.68	-58.56	≤-29.32	PASS
11G	Ant1	2437	1000~26500	0.68	-46.6	≤-29.32	PASS
11G	Ant1	2462	0~Reference	1.45	1.45	---	PASS
11G	Ant1	2462	30~1000	1.45	-60	≤-28.55	PASS
11G	Ant1	2462	1000~26500	1.45	-46.58	≤-28.55	PASS
11N20SISO	Ant1	2412	0~Reference	-0.22	-0.22	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.22	-59.2	≤-30.22	PASS
11N20SISO	Ant1	2412	1000~26500	-0.22	-45.81	≤-30.22	PASS
11N20SISO	Ant1	2437	0~Reference	0.84	0.84	---	PASS
11N20SISO	Ant1	2437	30~1000	0.84	-59.71	≤-29.16	PASS
11N20SISO	Ant1	2437	1000~26500	0.84	-46.16	≤-29.16	PASS
11N20SISO	Ant1	2462	0~Reference	1.95	1.95	---	PASS
11N20SISO	Ant1	2462	30~1000	1.95	-59.75	≤-28.05	PASS
11N20SISO	Ant1	2462	1000~26500	1.95	-46.25	≤-28.05	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.

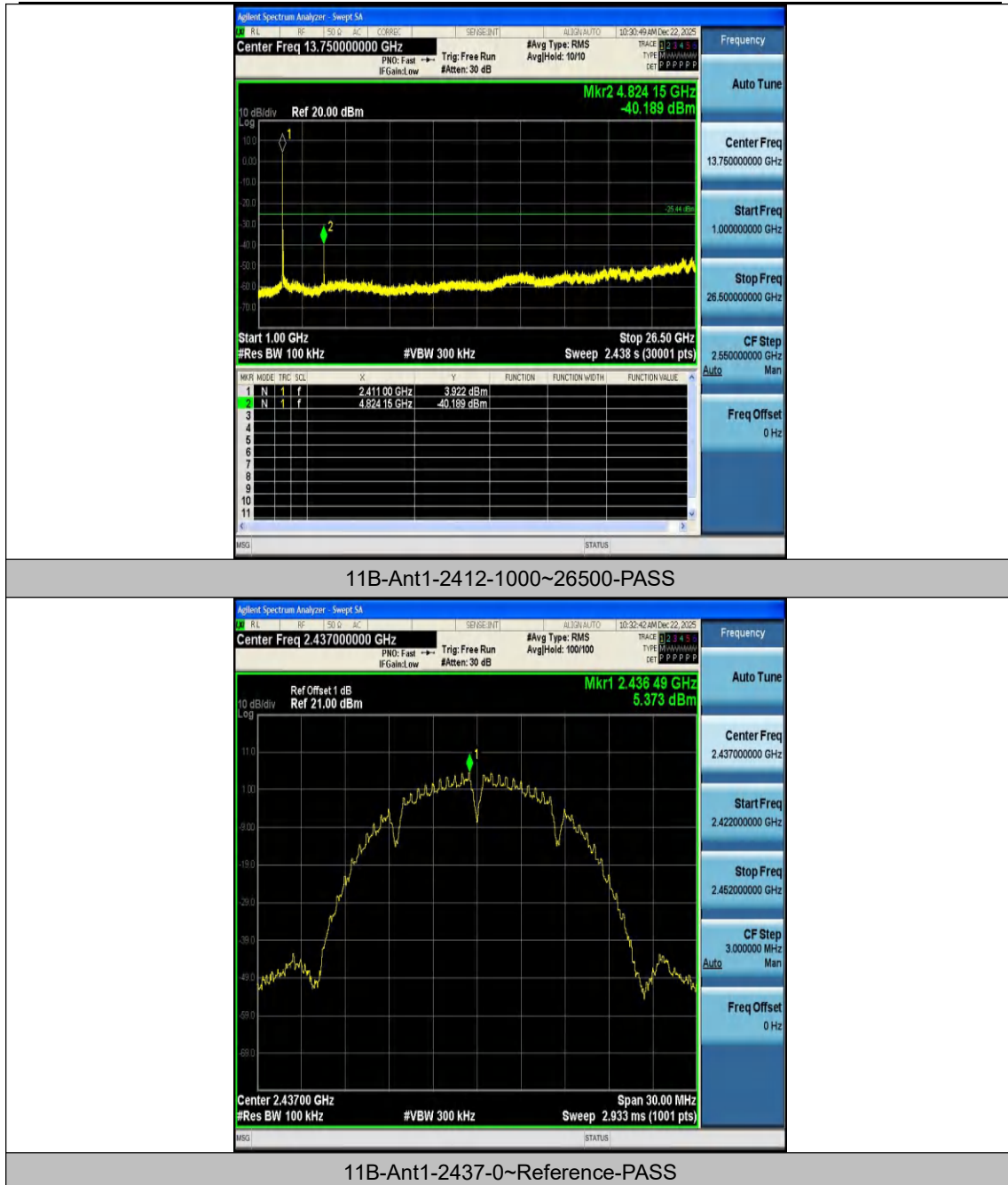
Test Graphs



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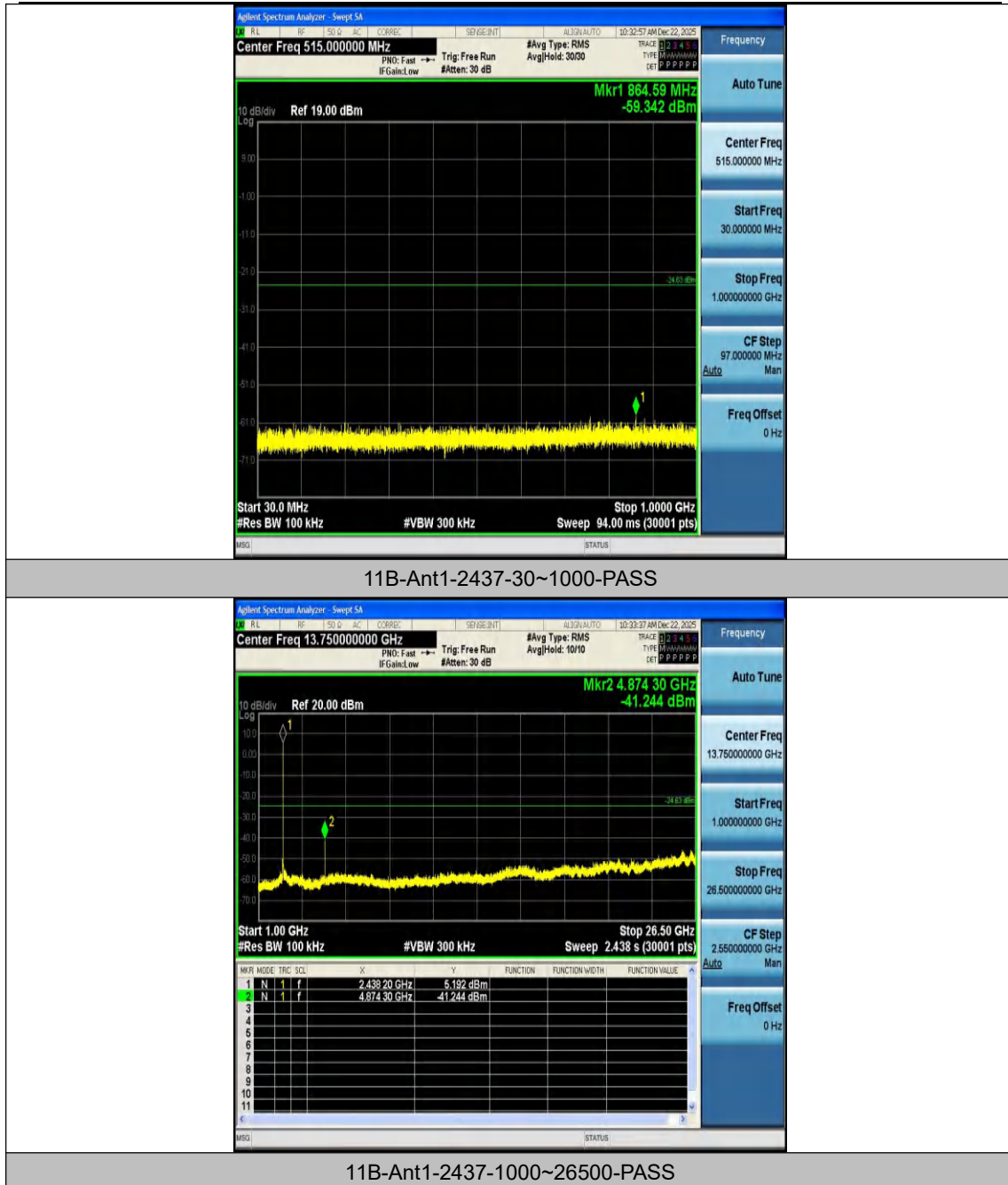
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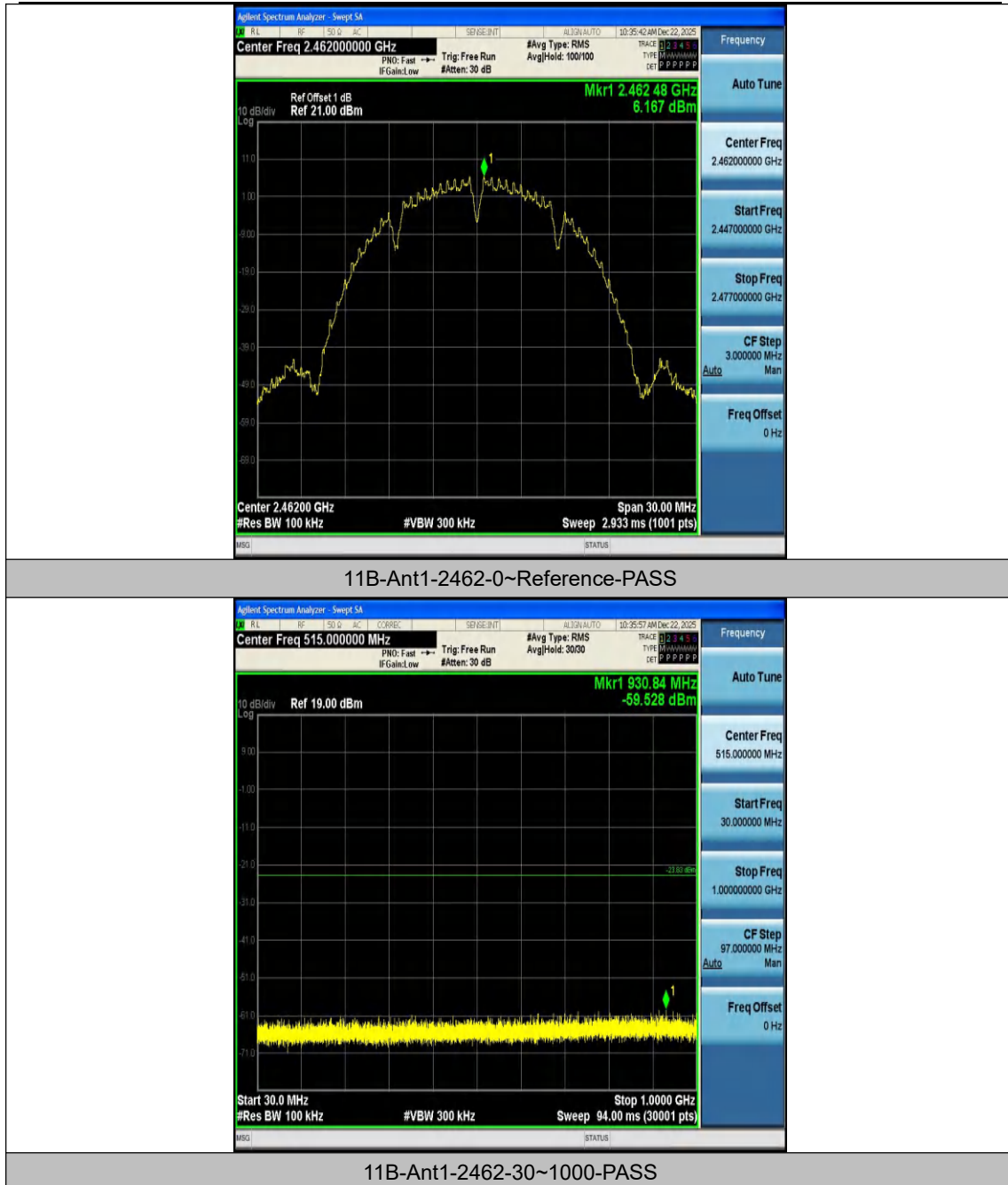
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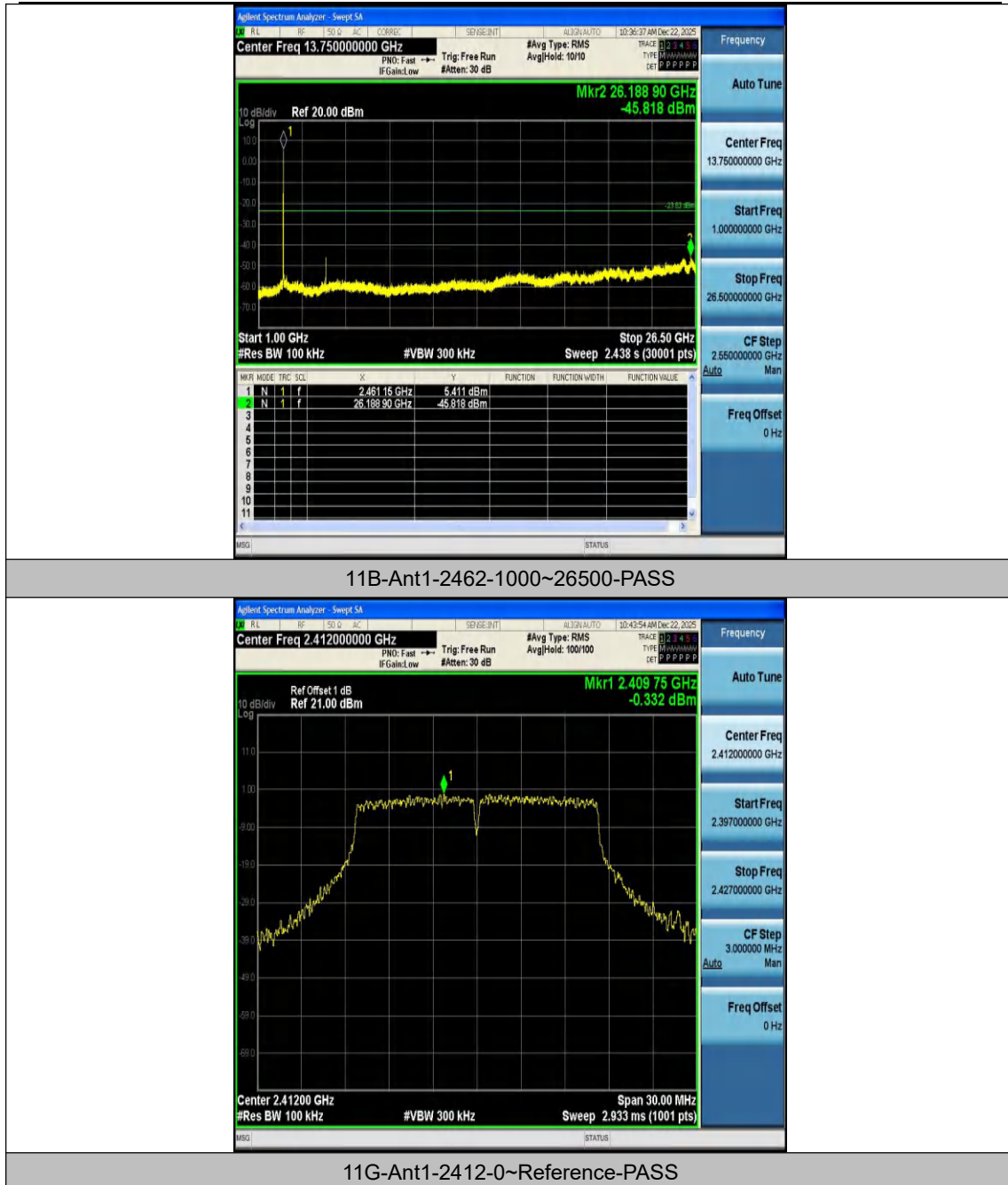
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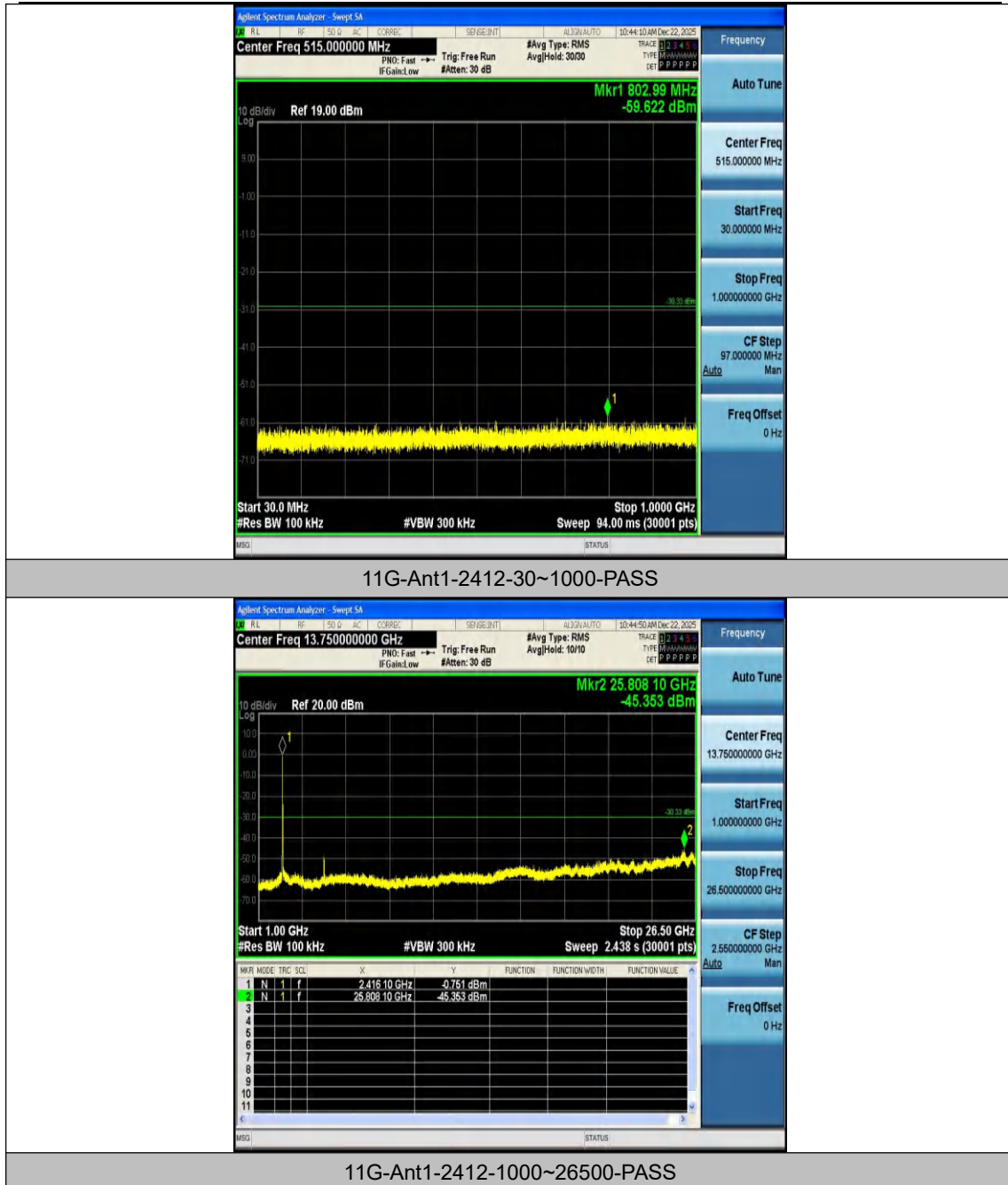
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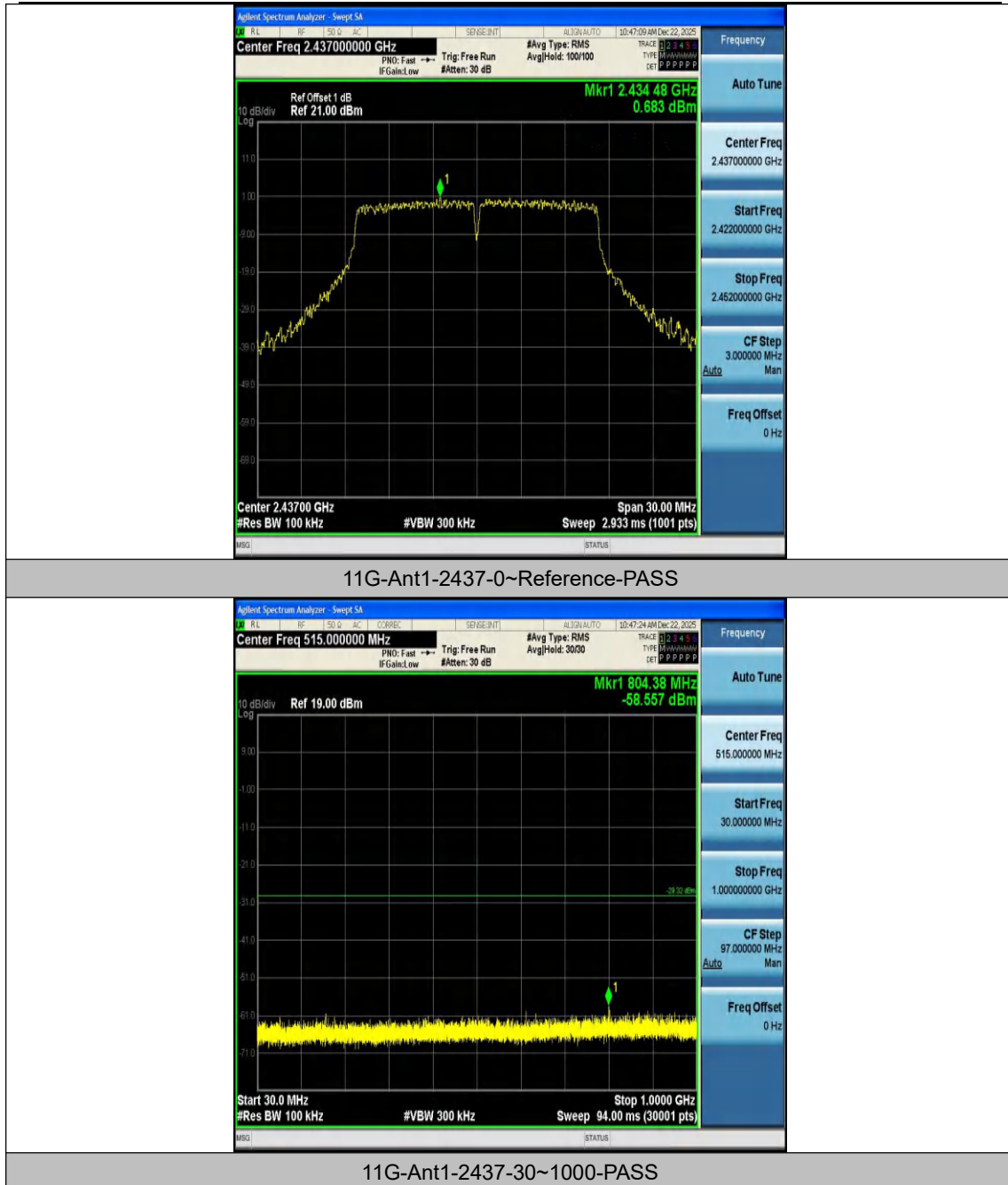


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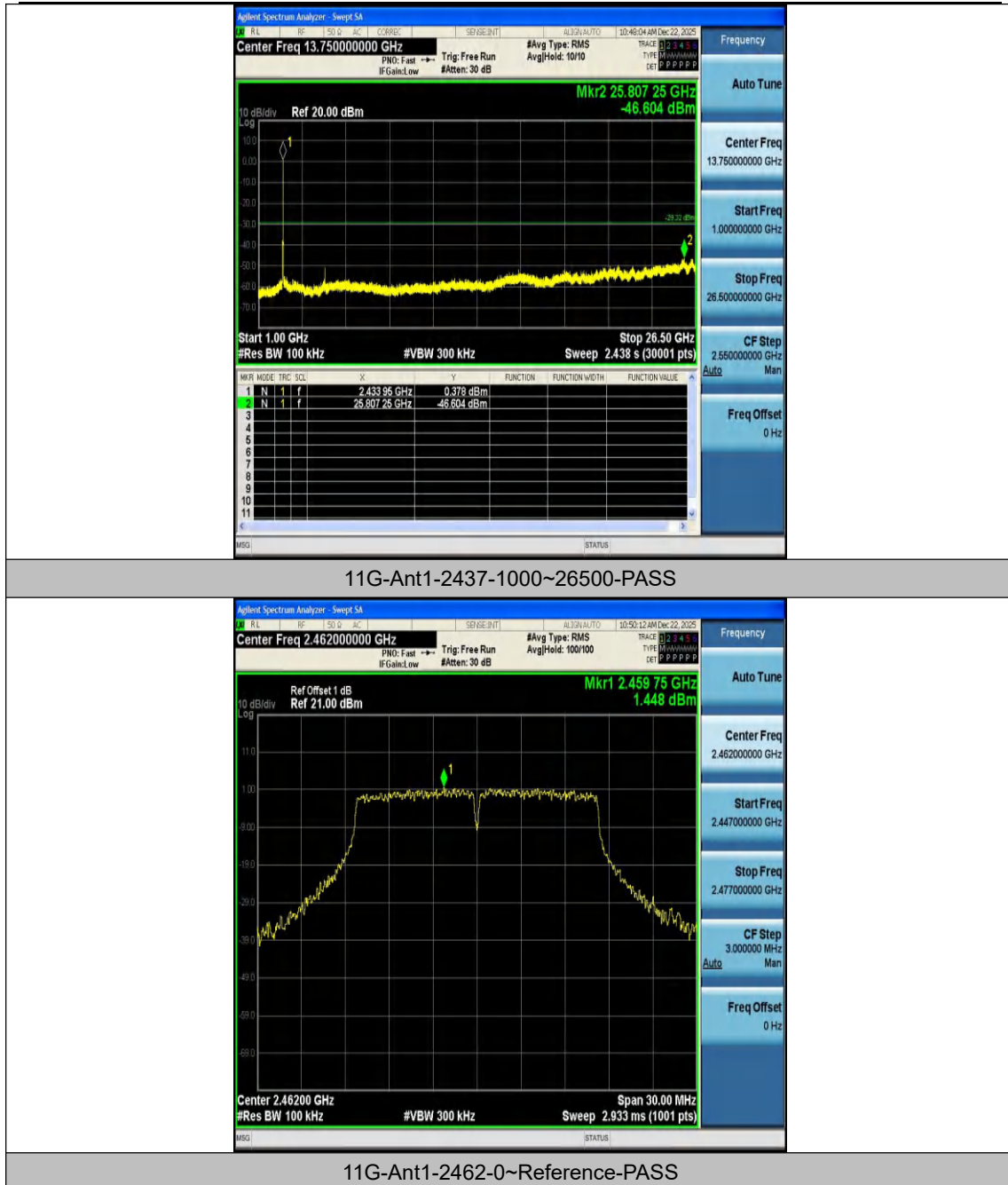




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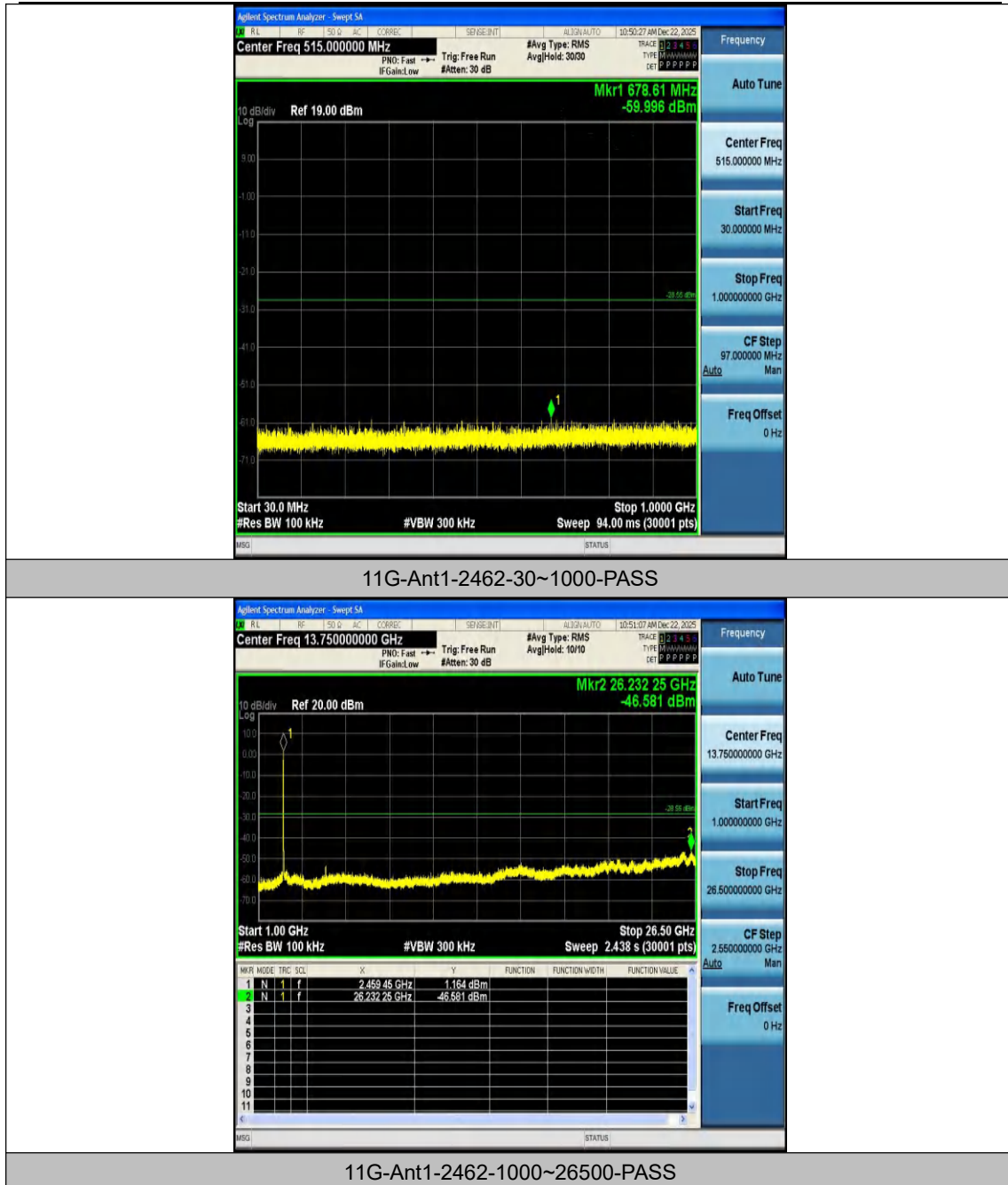
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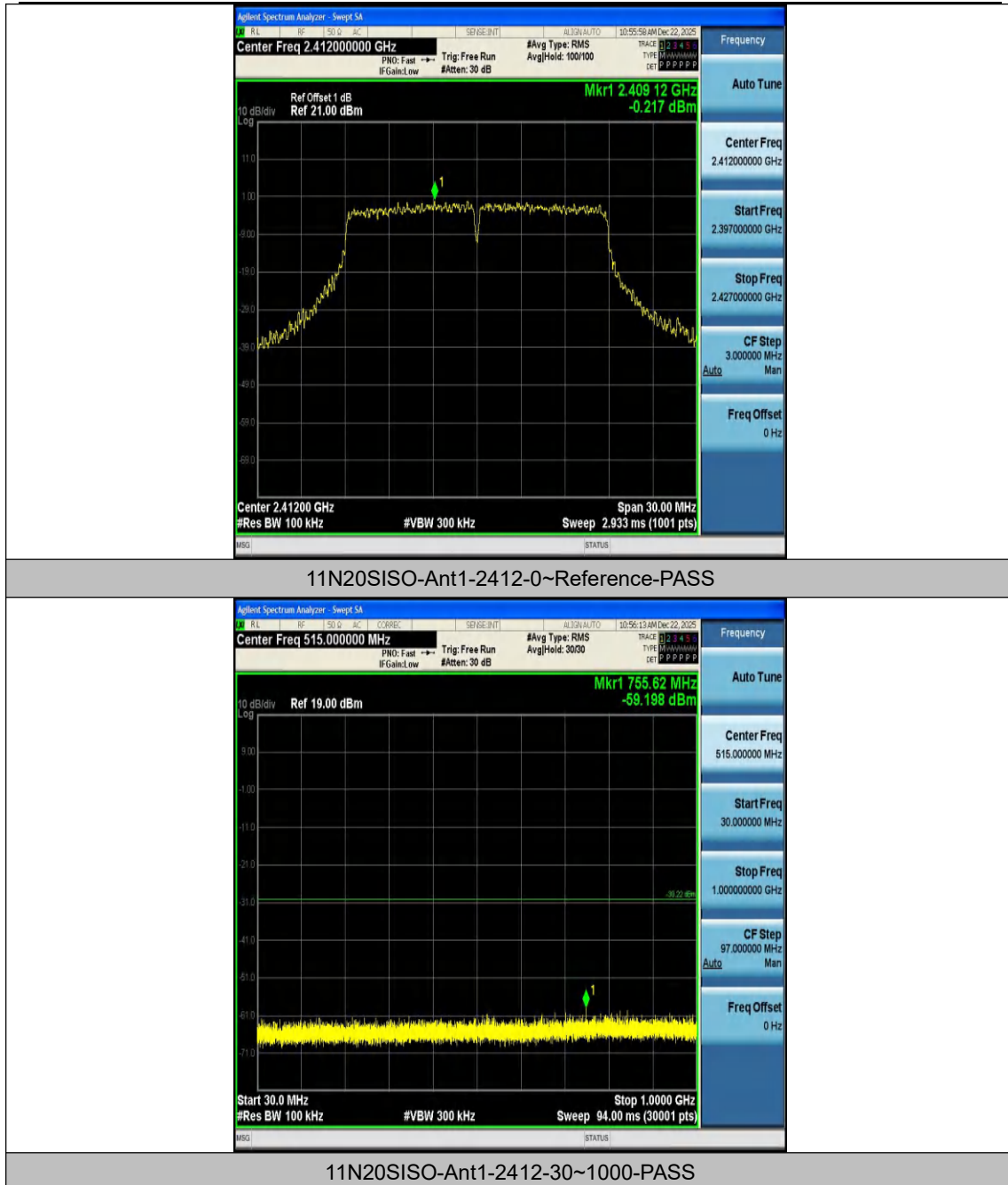


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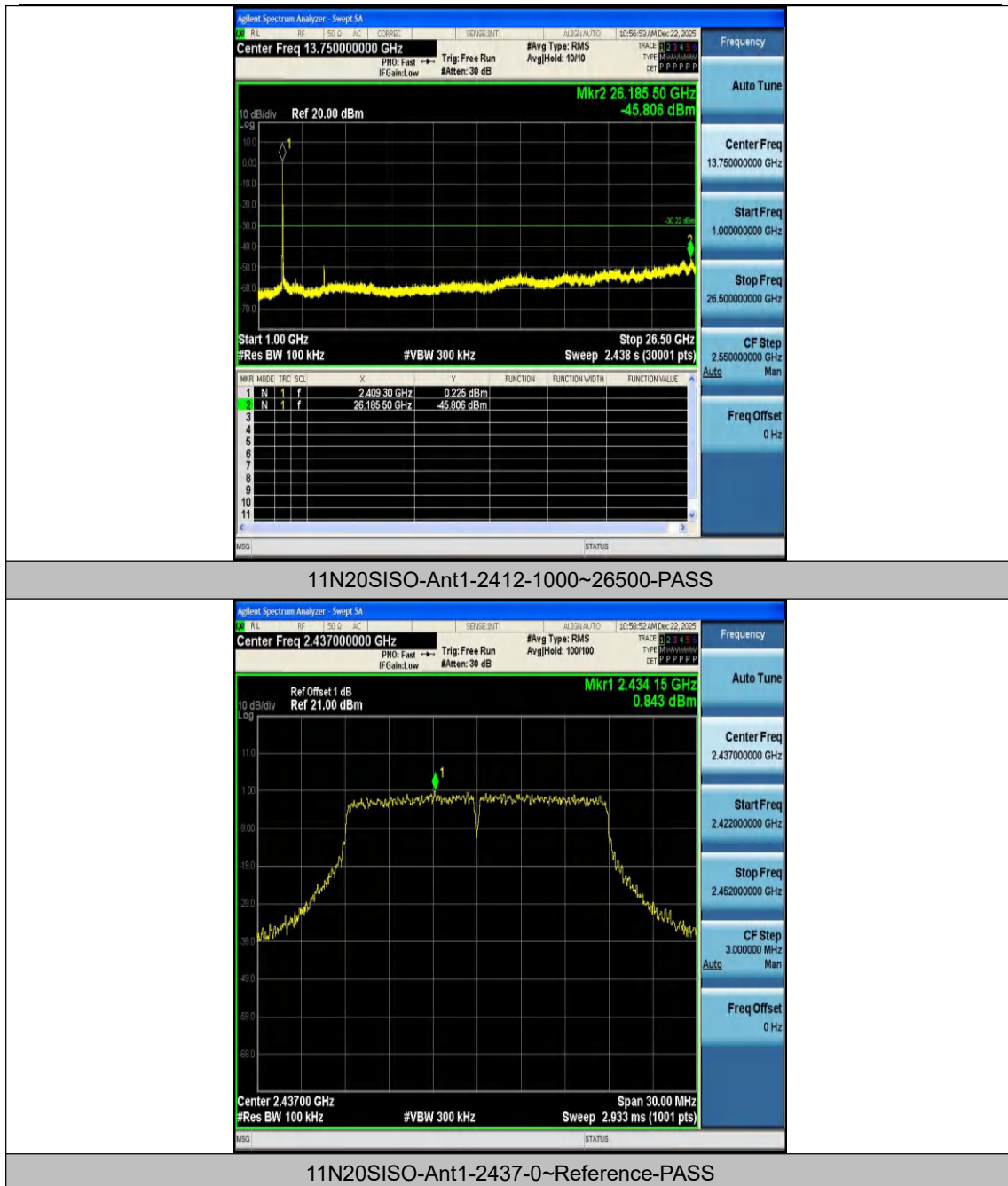




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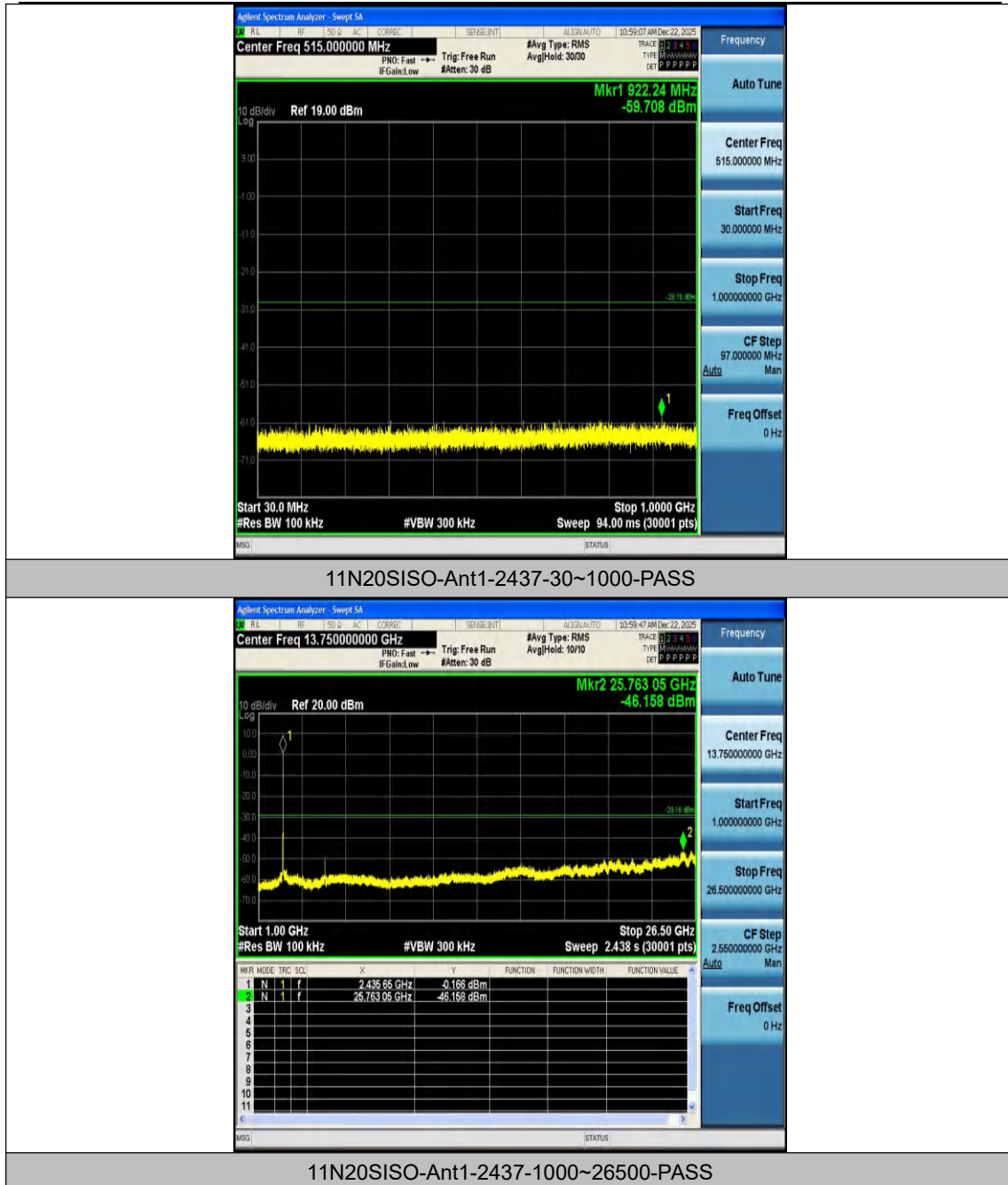
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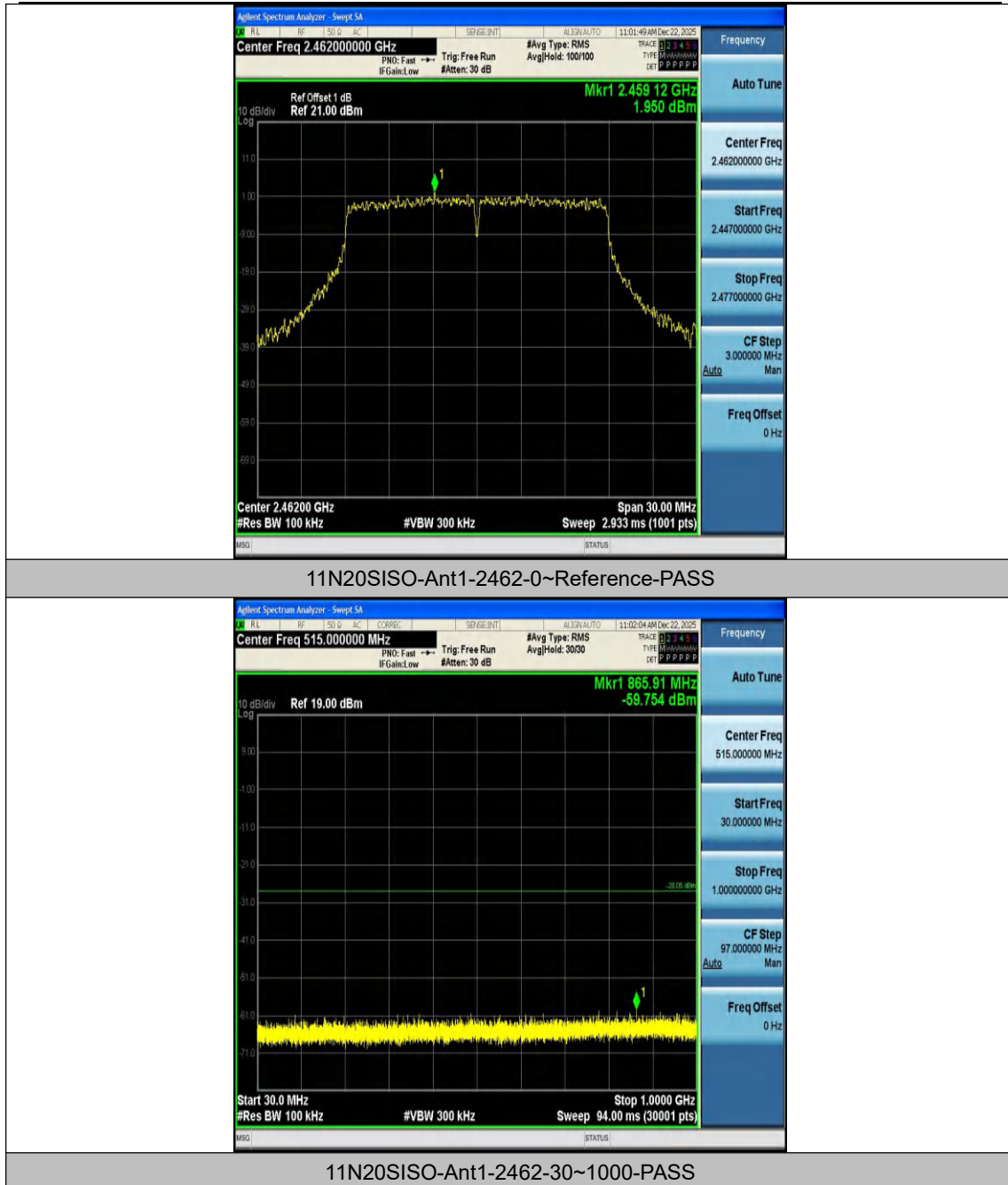
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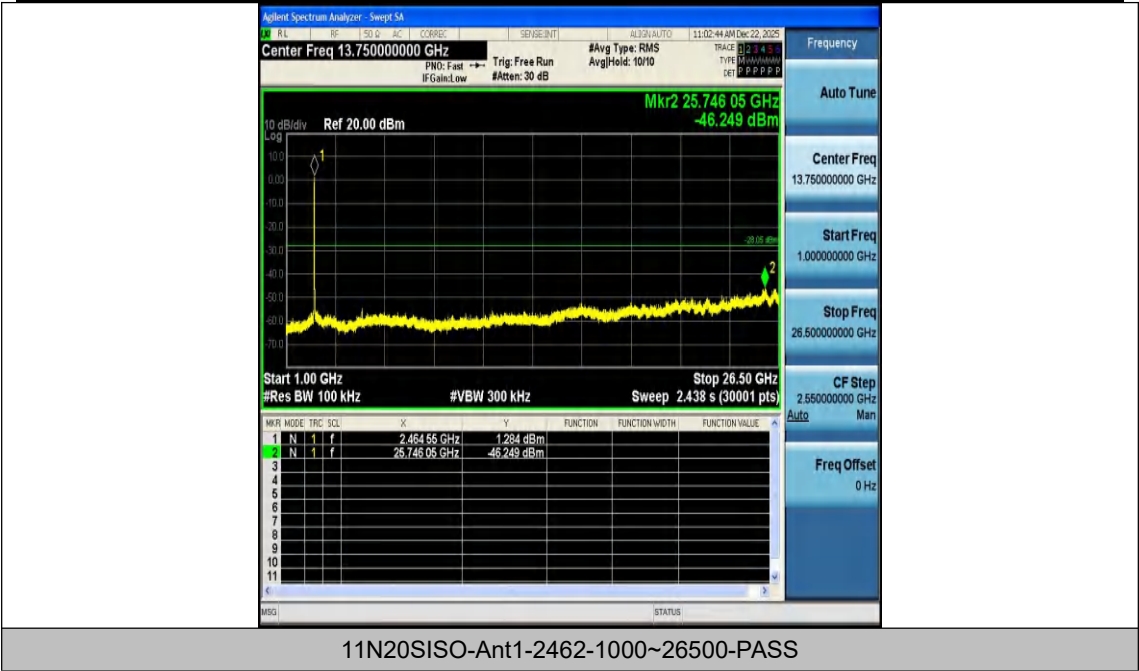
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11N20SISO-Ant1-2462-1000~26500-PASS

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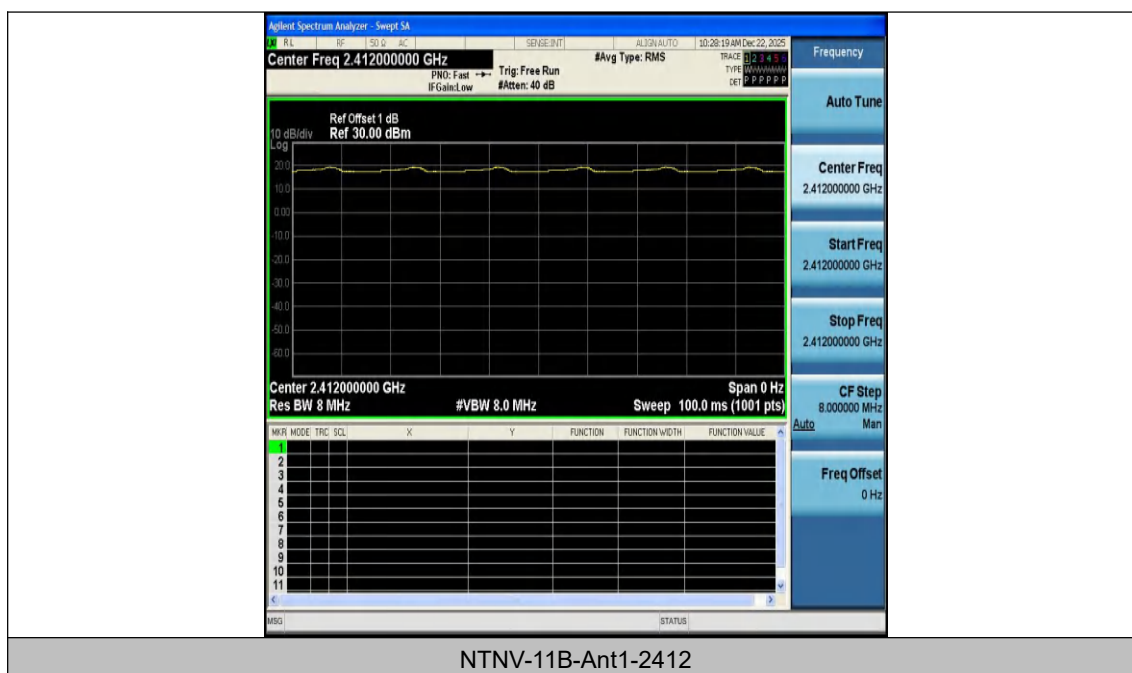
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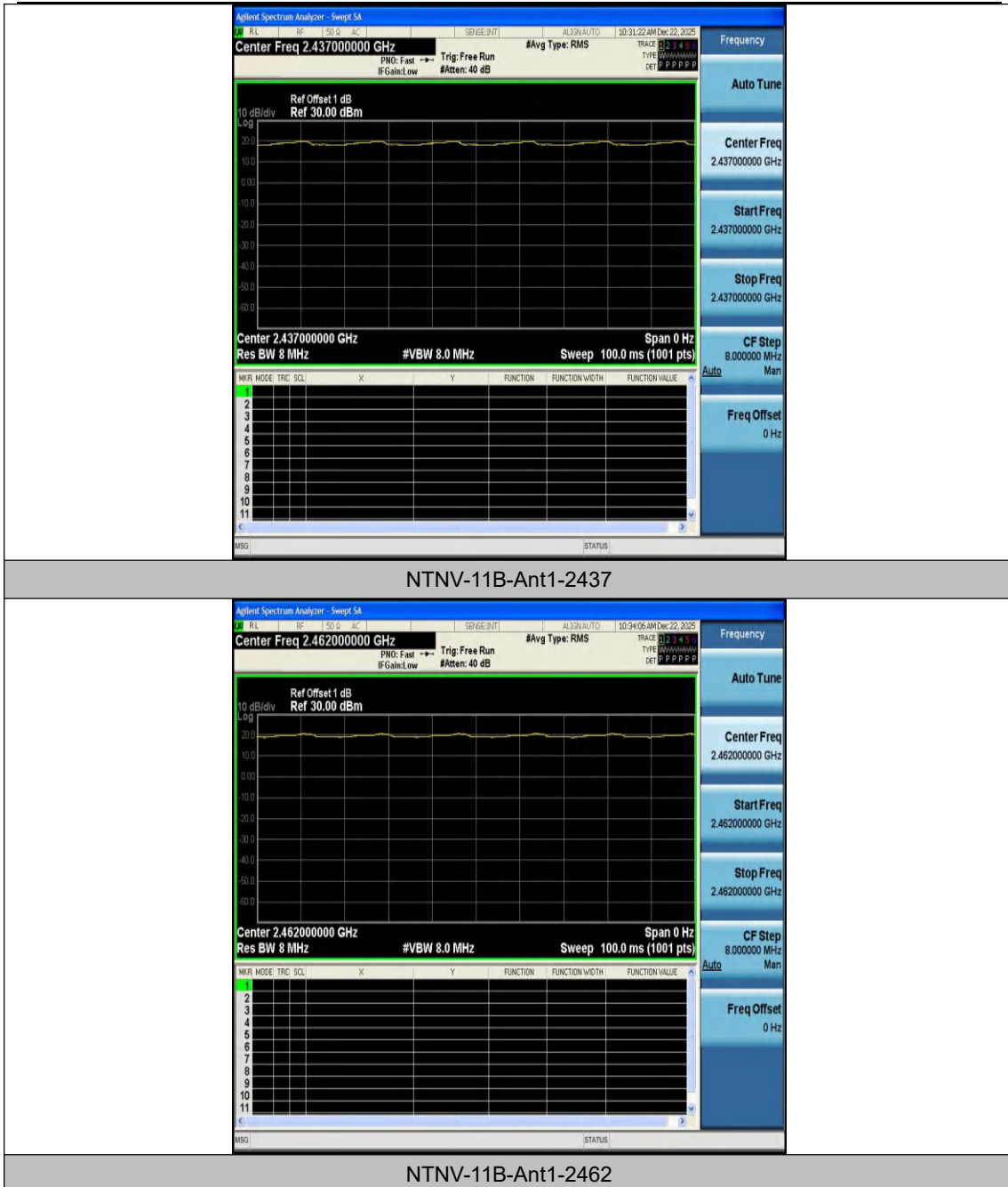
Appendix G: Duty Cycle

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

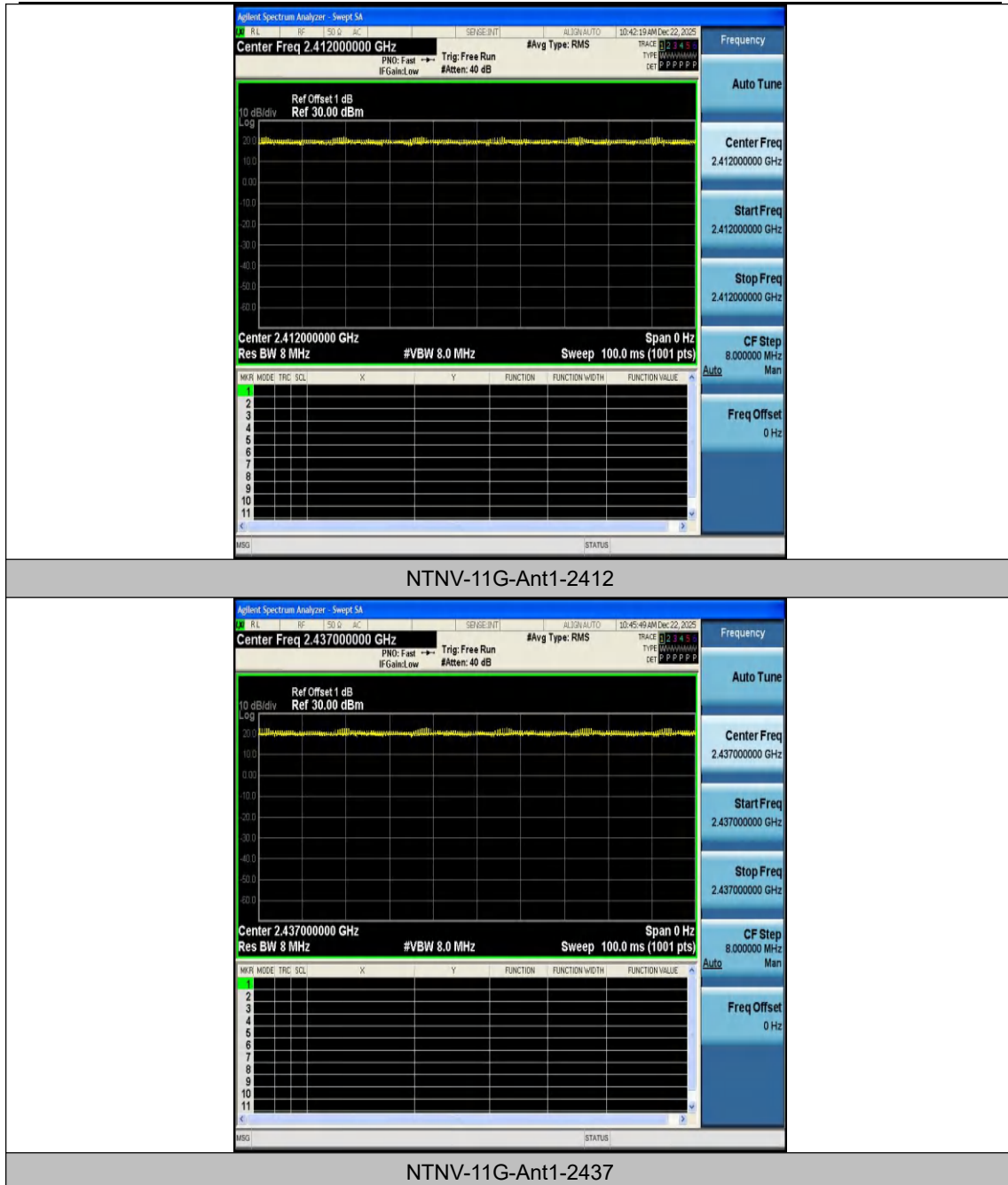




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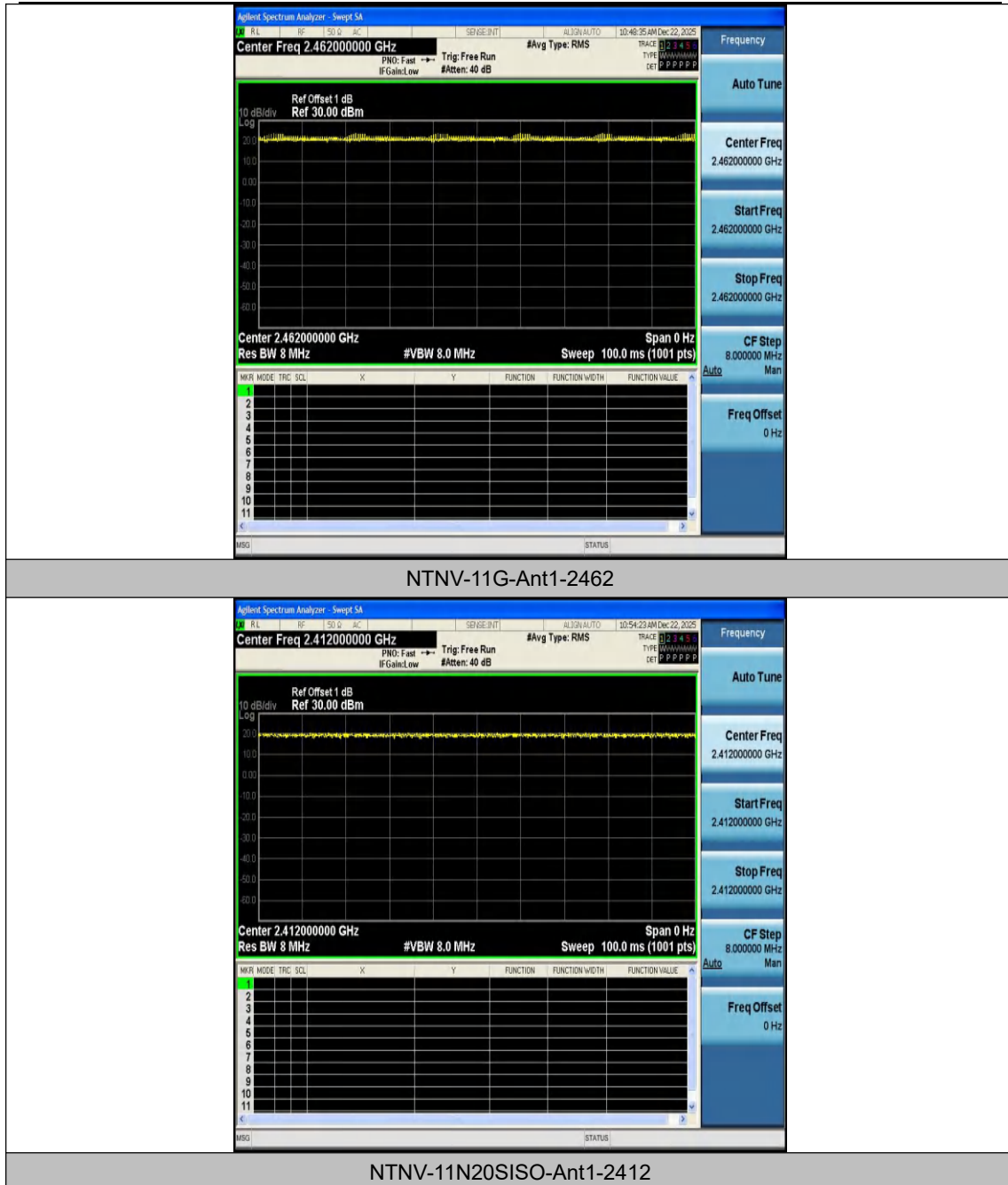
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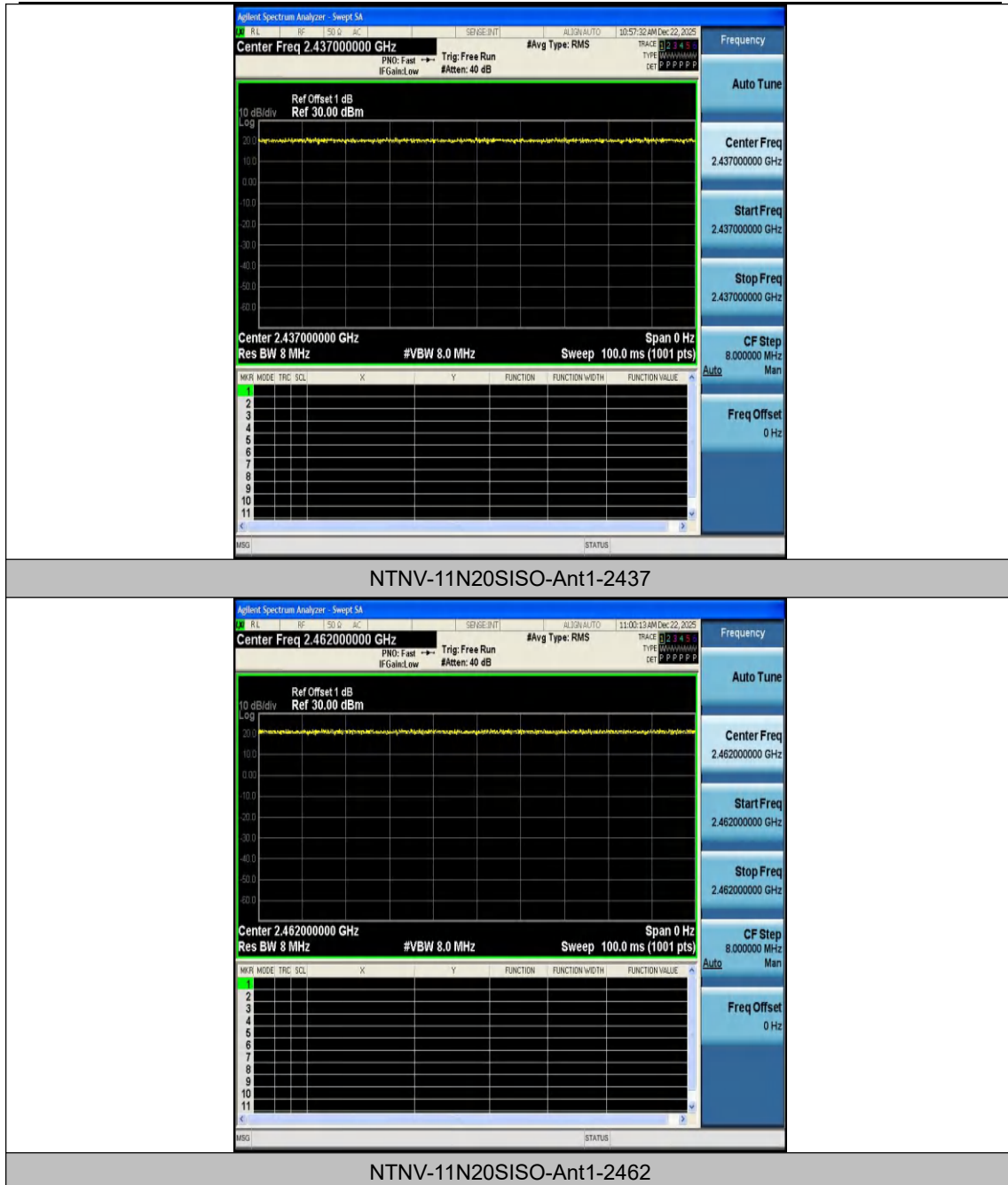
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