

Appendix Test Data

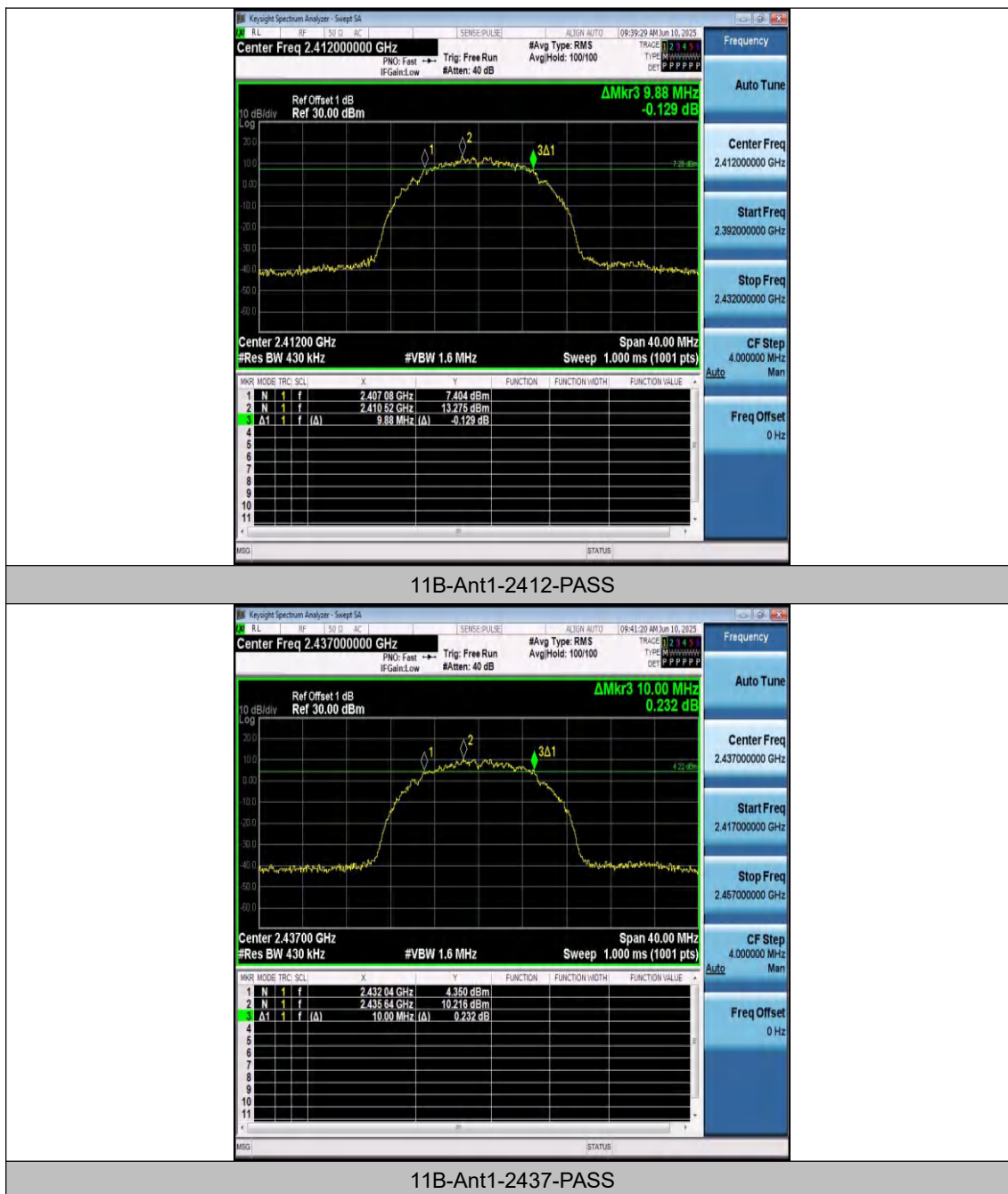
Report No.:	1812C50167112502	Test Sample No.:	1-2-2
Start Test Date:	2025-04-24	Finish Test Date:	2025-04-24
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21°C	Relative Humidity:	40%
Pressure:	101kPa		

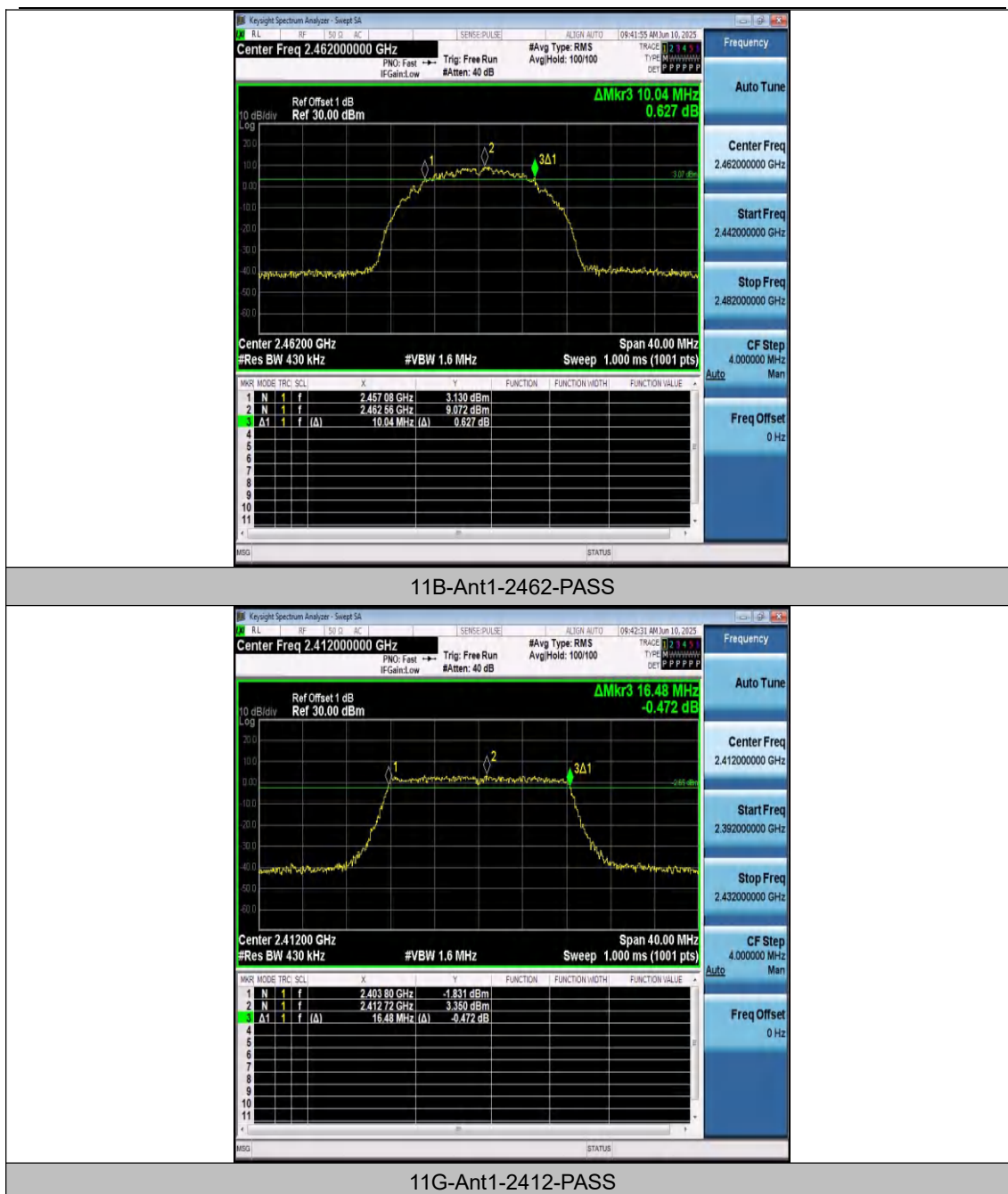
Appendix A: 6dB Bandwidth

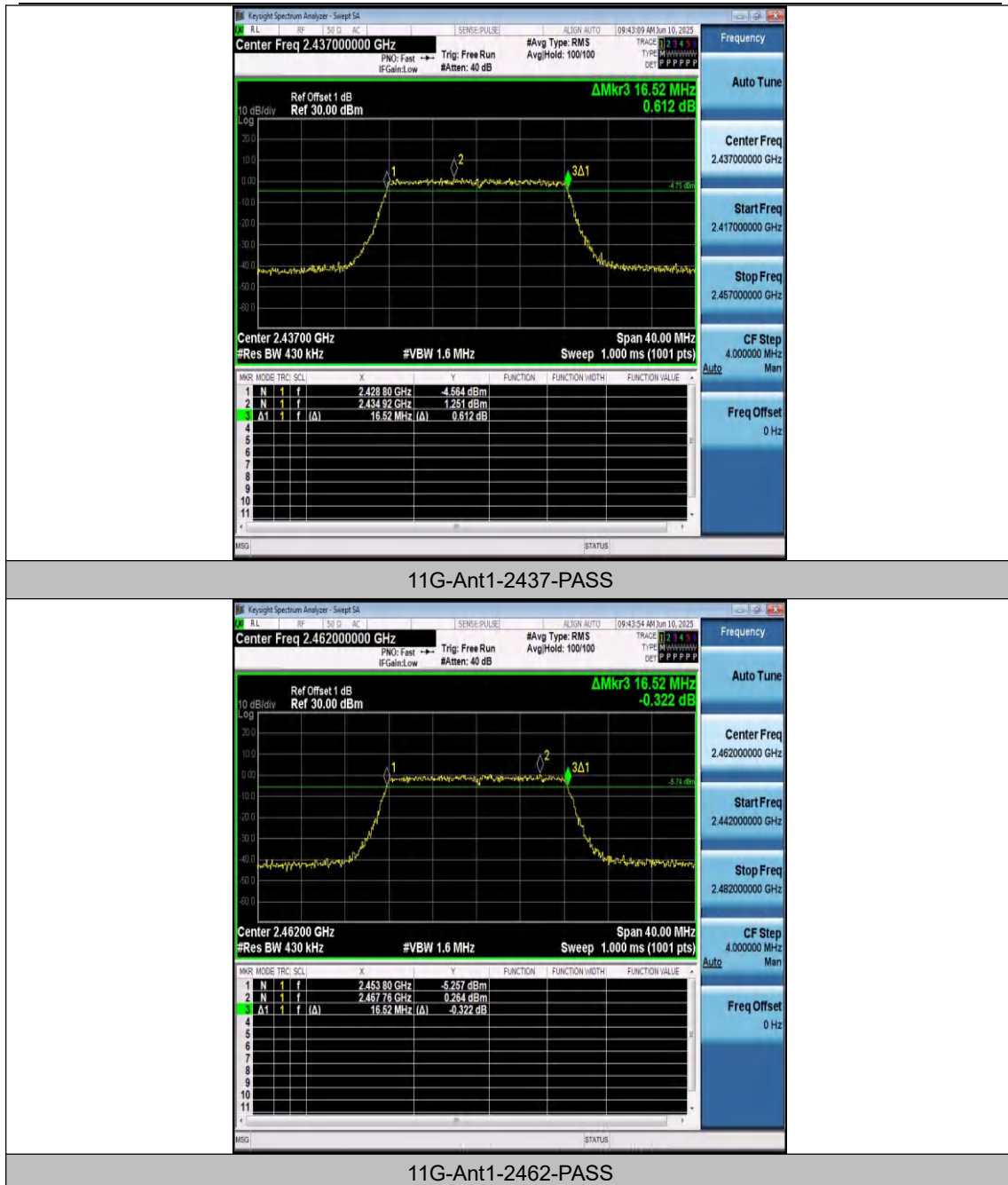
Test Result

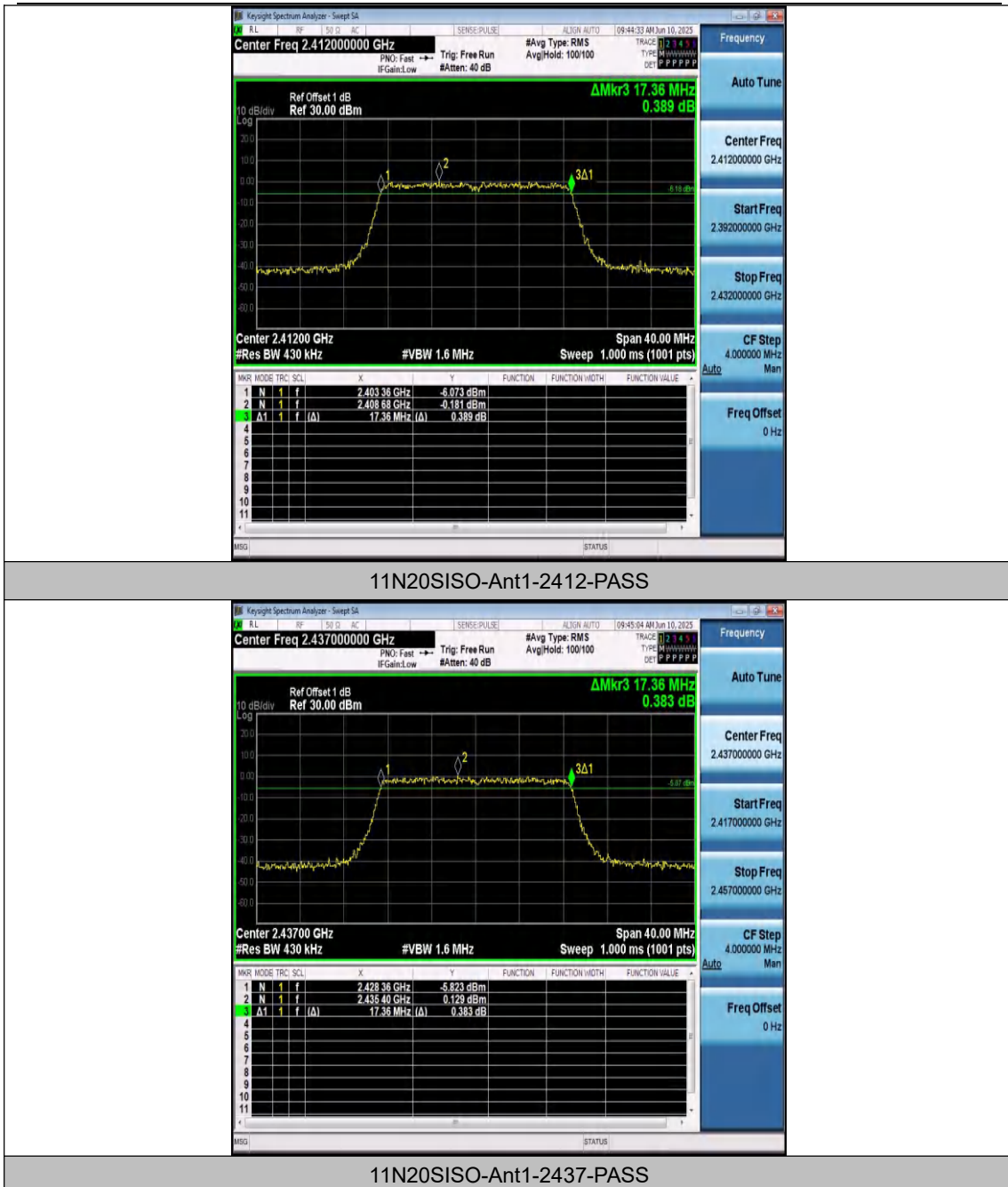
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.880	2407.080	2416.960	0.5	PASS
11B	Ant1	2437	10.000	2432.040	2442.040	0.5	PASS
11B	Ant1	2462	10.040	2457.080	2467.120	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
11G	Ant1	2437	16.520	2428.800	2445.320	0.5	PASS
11G	Ant1	2462	16.520	2453.800	2470.320	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.360	2420.720	0.5	PASS
11N20SISO	Ant1	2437	17.360	2428.360	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.320	2453.400	2470.720	0.5	PASS

Test Graphs





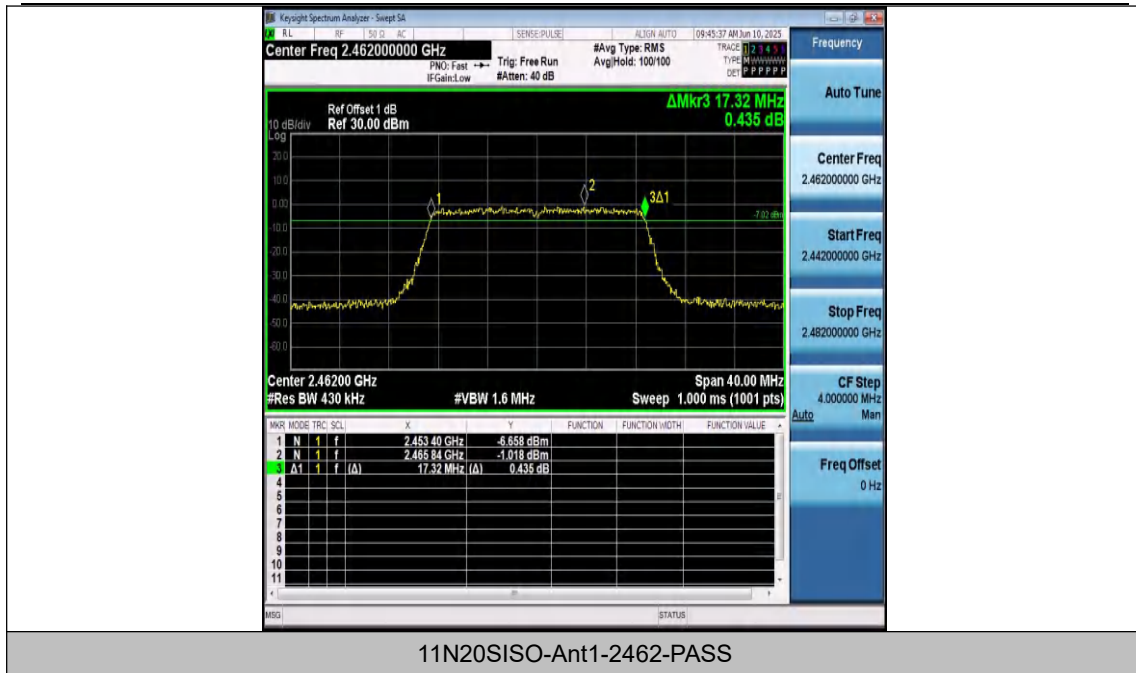




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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.045	2405.5038	2418.5488	---	---
11B	Ant1	2437	12.991	2430.5230	2443.5140	---	---
11B	Ant1	2462	12.986	2455.5469	2468.5329	---	---
11G	Ant1	2412	16.713	2403.6852	2420.3982	---	---
11G	Ant1	2437	16.756	2428.6365	2445.3925	---	---
11G	Ant1	2462	16.701	2453.7023	2470.4033	---	---
11N20SISO	Ant1	2412	17.490	2403.2969	2420.7869	---	---
11N20SISO	Ant1	2437	17.455	2428.3142	2445.7692	---	---
11N20SISO	Ant1	2462	17.489	2453.3036	2470.7926	---	---

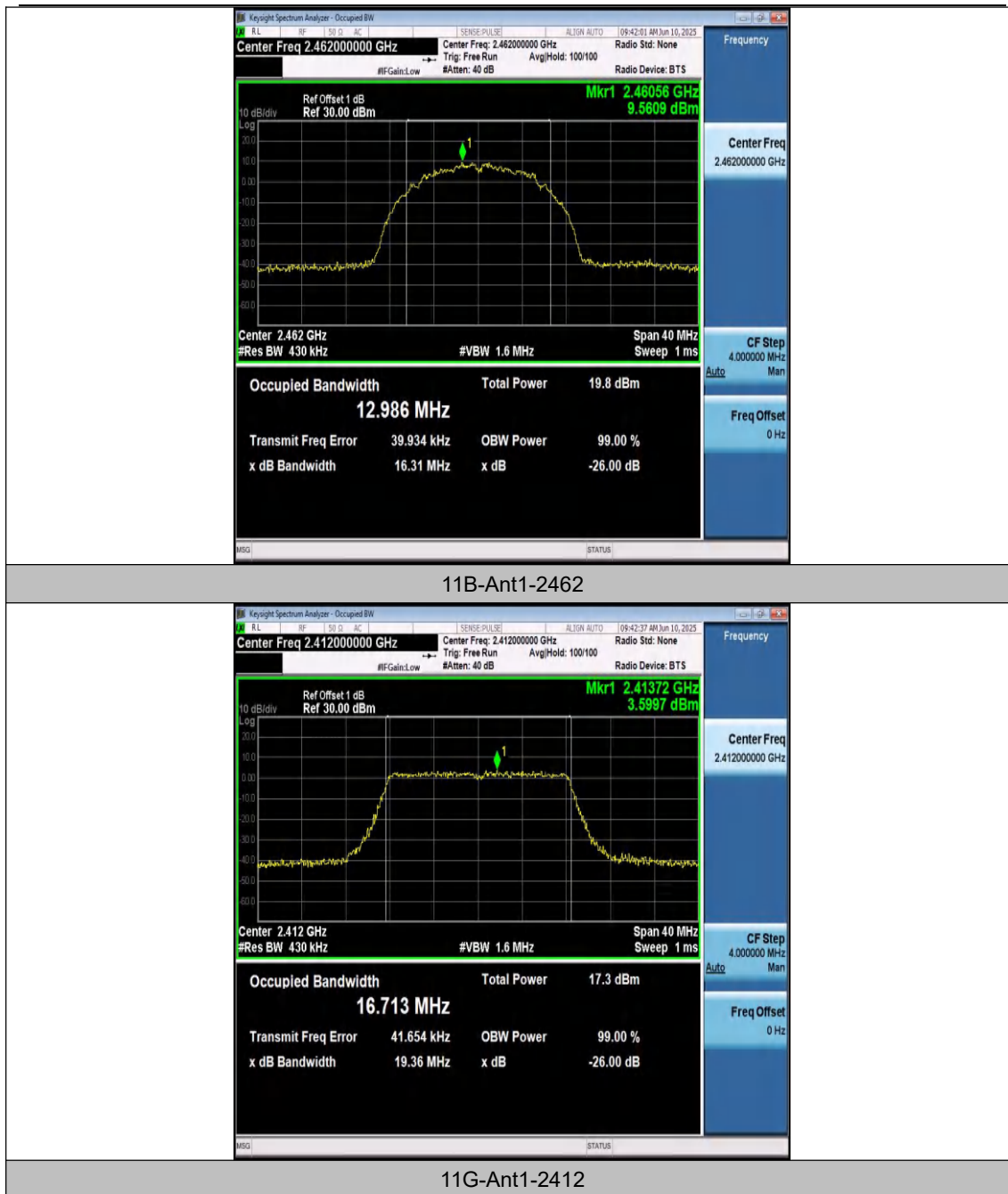
Test Graphs



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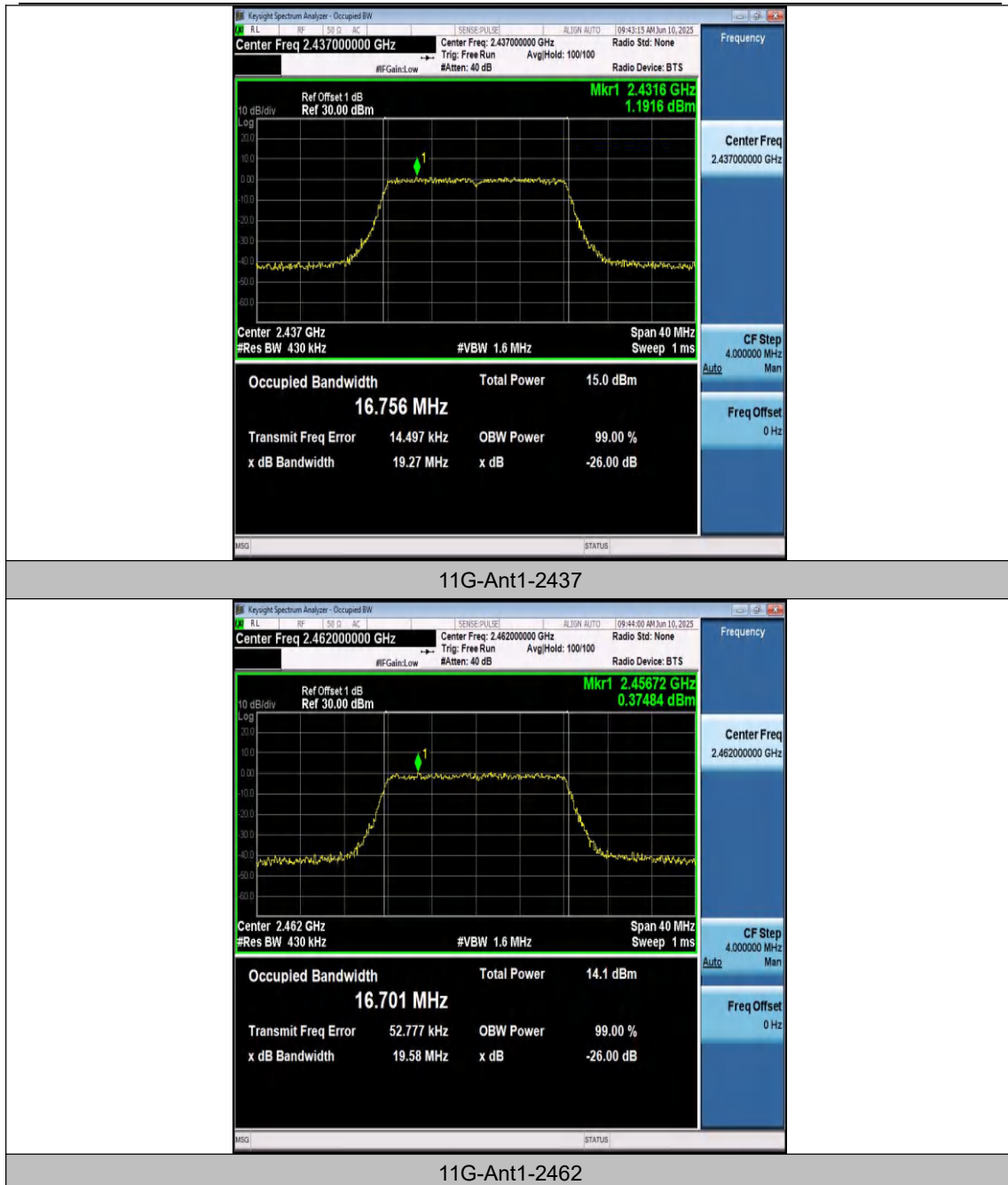
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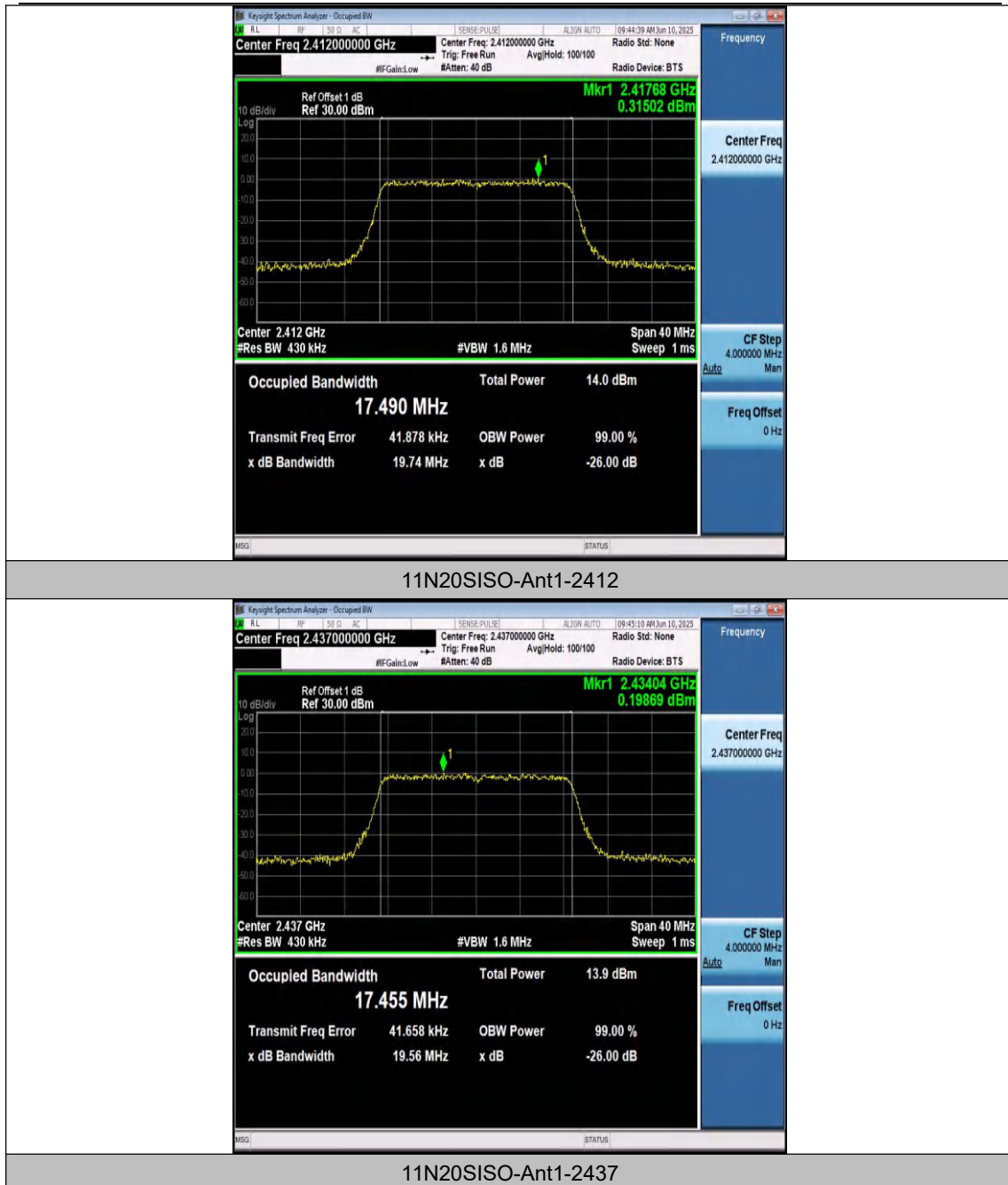


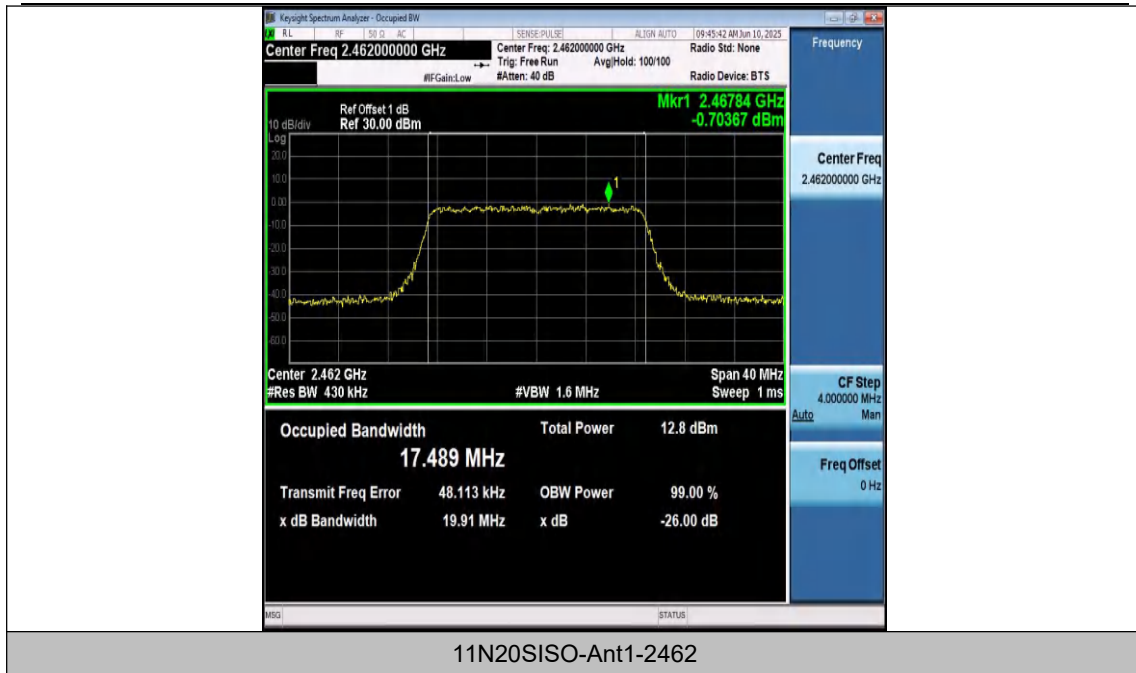
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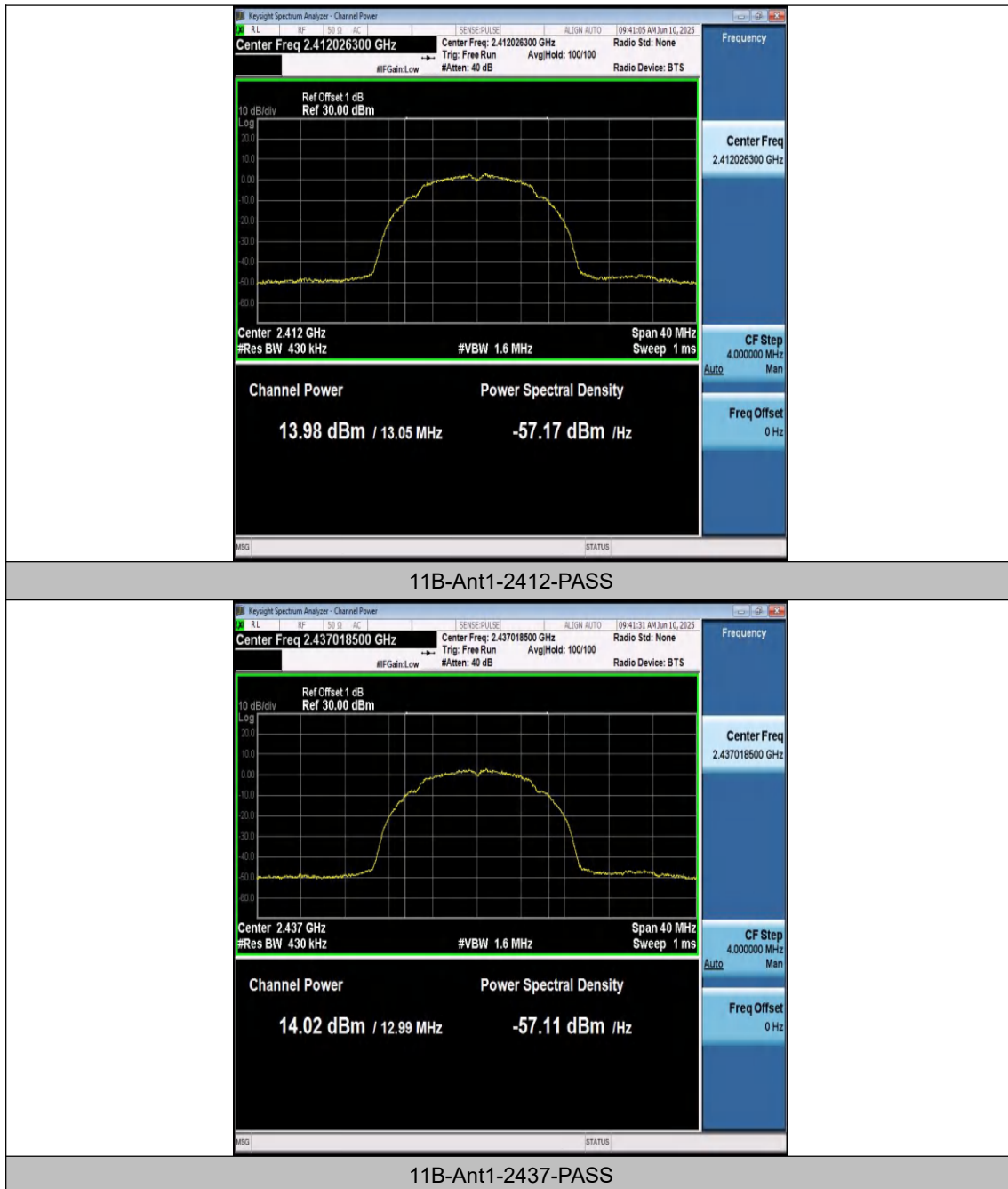
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.98	100.00	0.00	13.98	≤30.00	PASS
11B	Ant1	2437	14.02	100.00	0.00	14.02	≤30.00	PASS
11B	Ant1	2462	13.30	100.00	0.00	13.30	≤30.00	PASS
11G	Ant1	2412	8.79	100.00	0.00	8.79	≤30.00	PASS
11G	Ant1	2437	8.72	100.00	0.00	8.72	≤30.00	PASS
11G	Ant1	2462	7.79	100.00	0.00	7.79	≤30.00	PASS
11N20SI SO	Ant1	2412	7.67	100.00	0.00	7.67	≤30.00	PASS
11N20SI SO	Ant1	2437	7.56	100.00	0.00	7.56	≤30.00	PASS
11N20SI SO	Ant1	2462	6.60	100.00	0.00	6.60	≤30.00	PASS

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

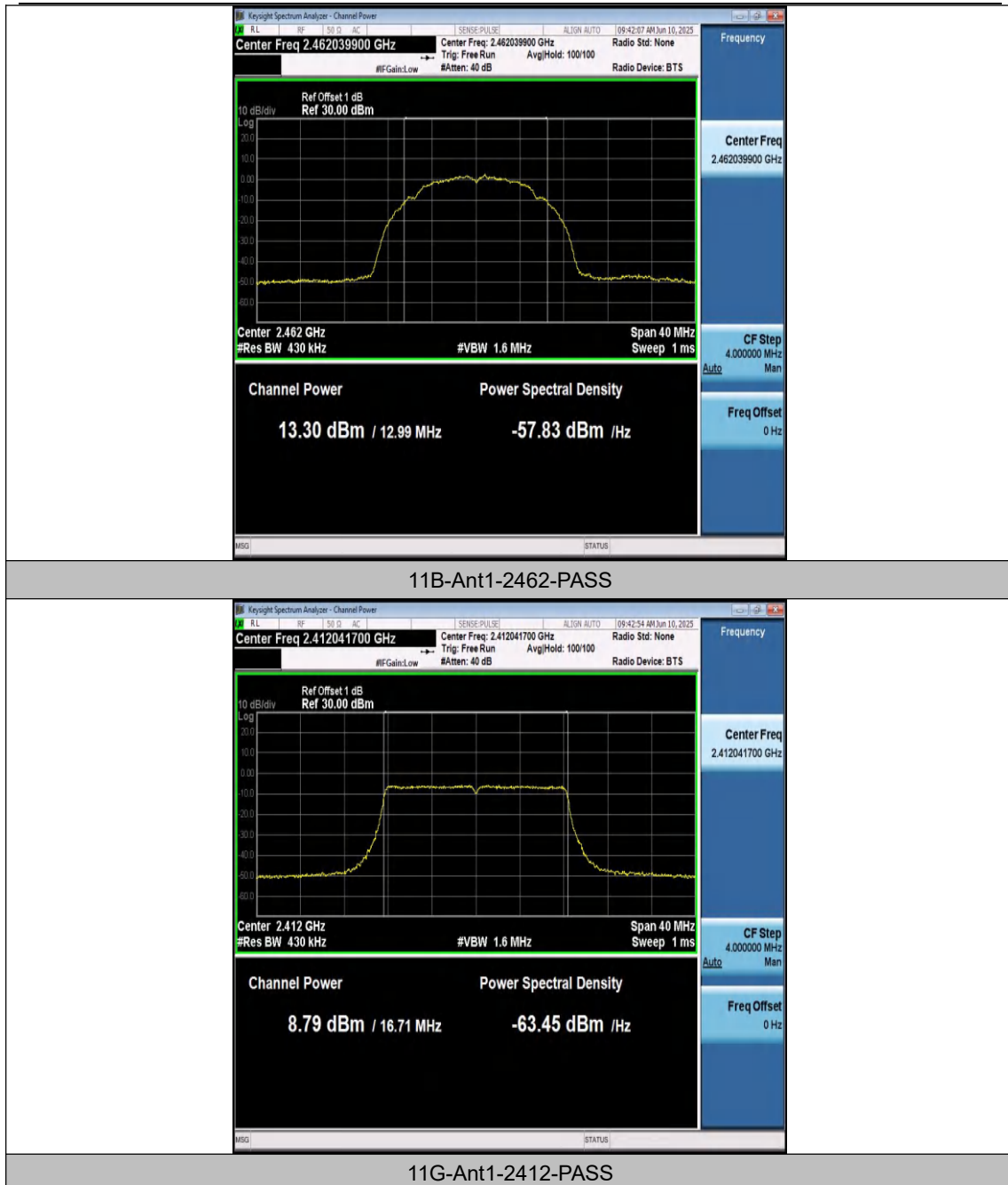
Test Graphs Average

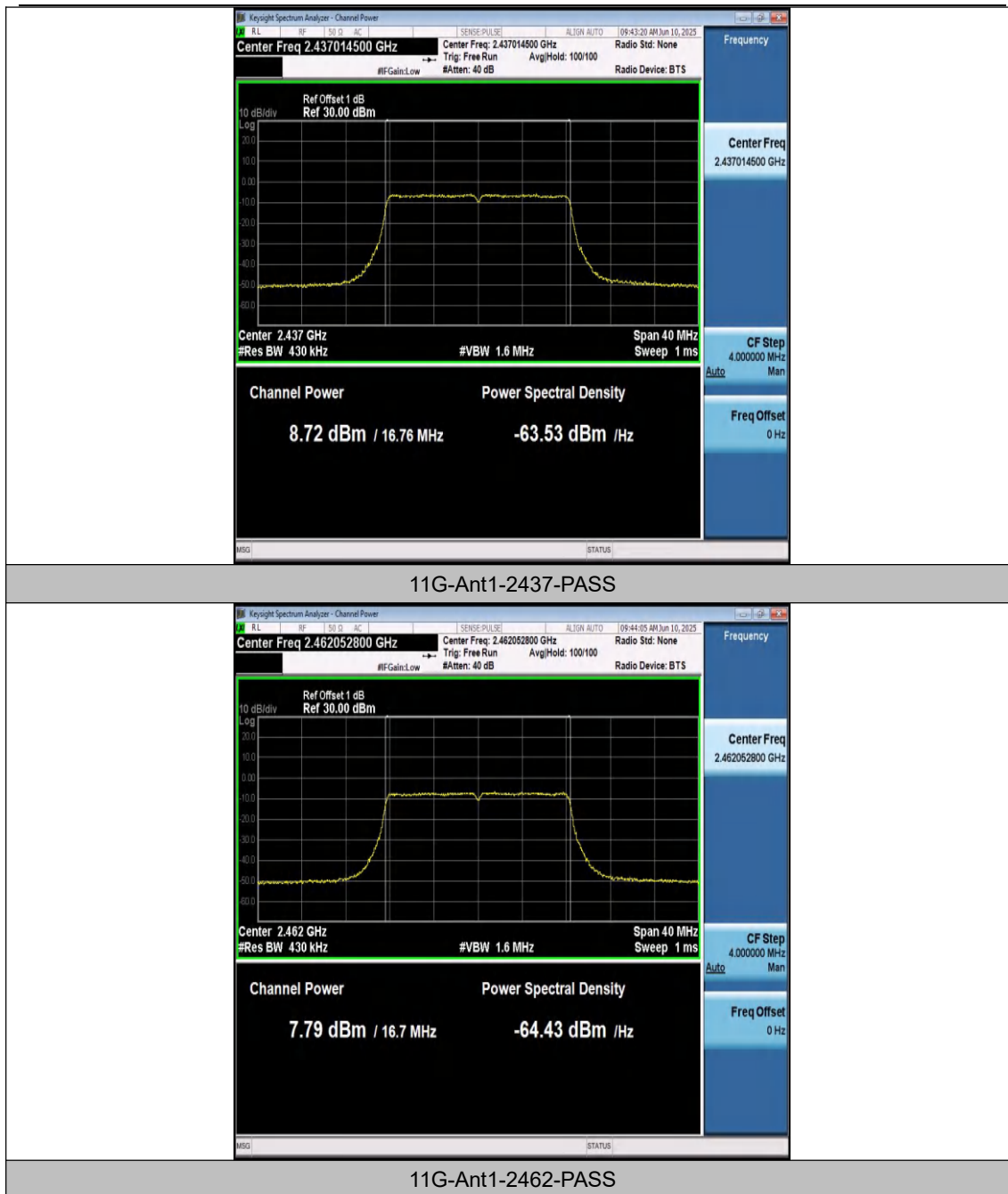


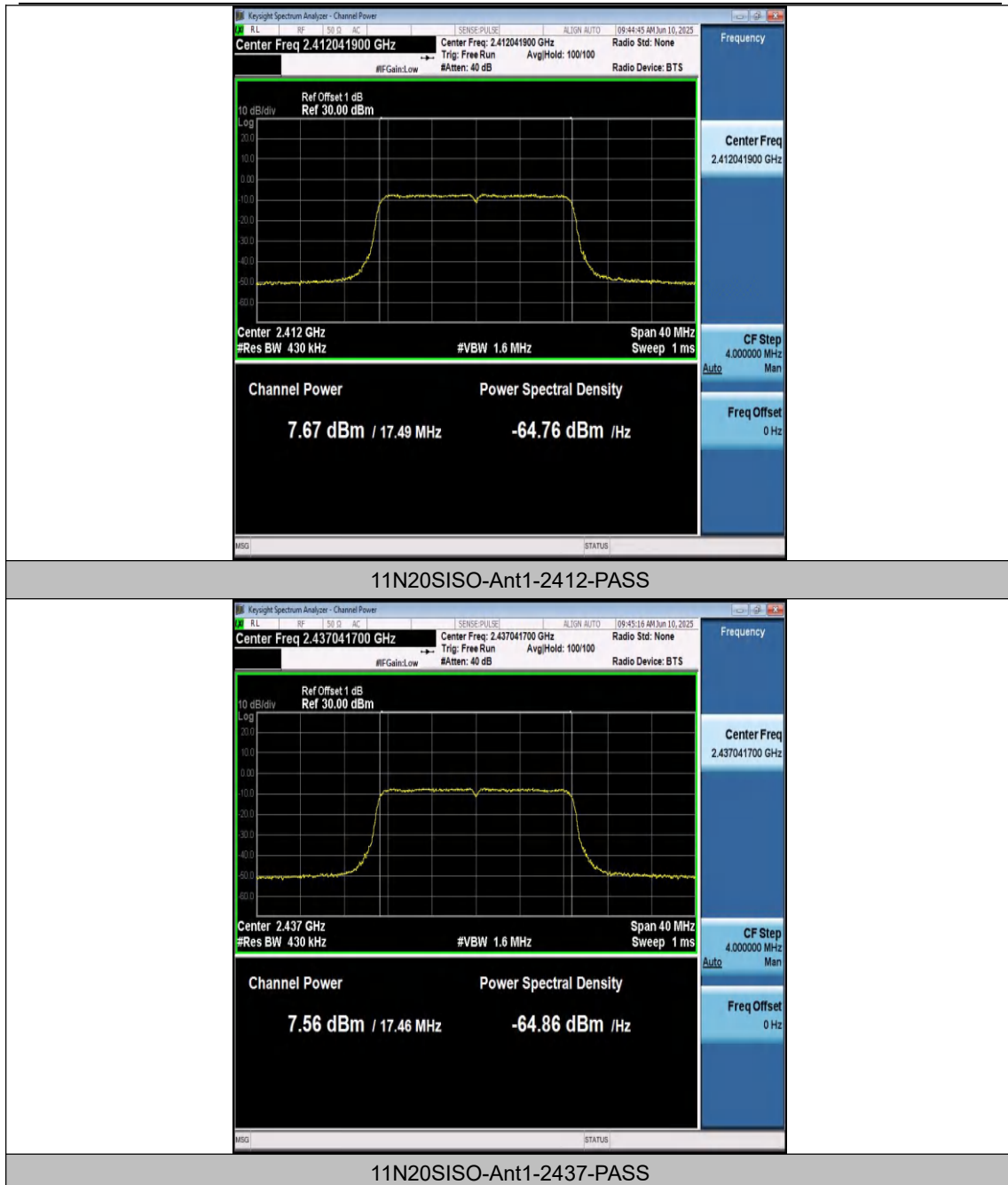
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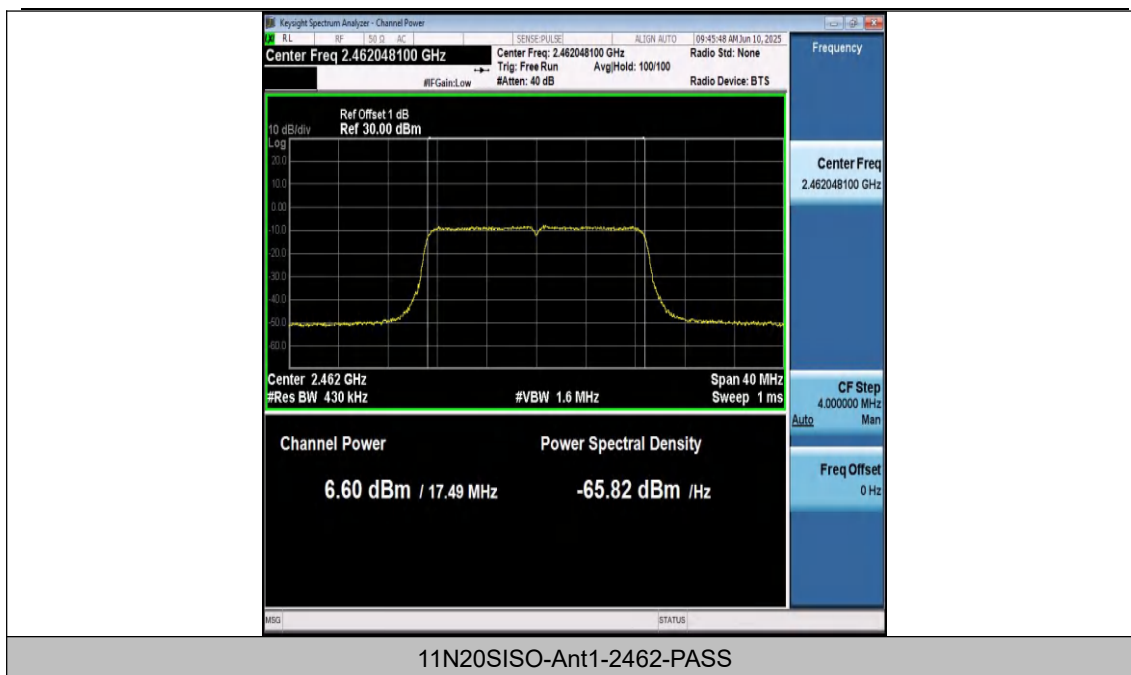
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Appendix D: Maximum power spectral density

Test Result

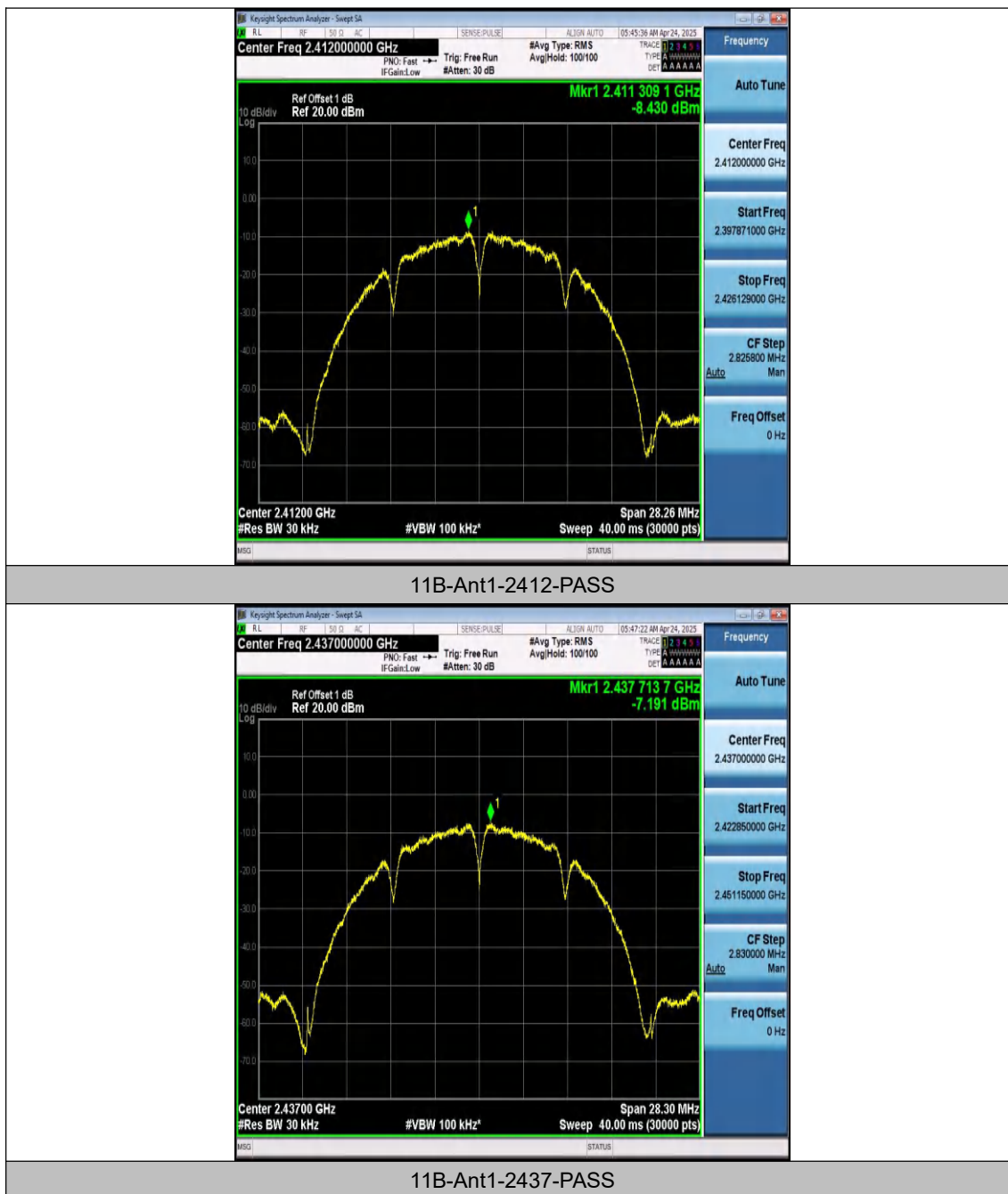
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.43	-18.43	≤8.00	PASS
11B	Ant1	2437	-7.19	-17.19	≤8.00	PASS
11B	Ant1	2462	-6.99	-16.99	≤8.00	PASS
11G	Ant1	2412	-16.17	-26.17	≤8.00	PASS
11G	Ant1	2437	-15.67	-25.67	≤8.00	PASS
11G	Ant1	2462	-15.29	-25.29	≤8.00	PASS
11N20SIS O	Ant1	2412	-13.41	-23.41	≤8.00	PASS
11N20SIS O	Ant1	2437	-16.04	-26.04	≤8.00	PASS
11N20SIS O	Ant1	2462	-15.26	-25.26	≤8.00	PASS

Note:

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



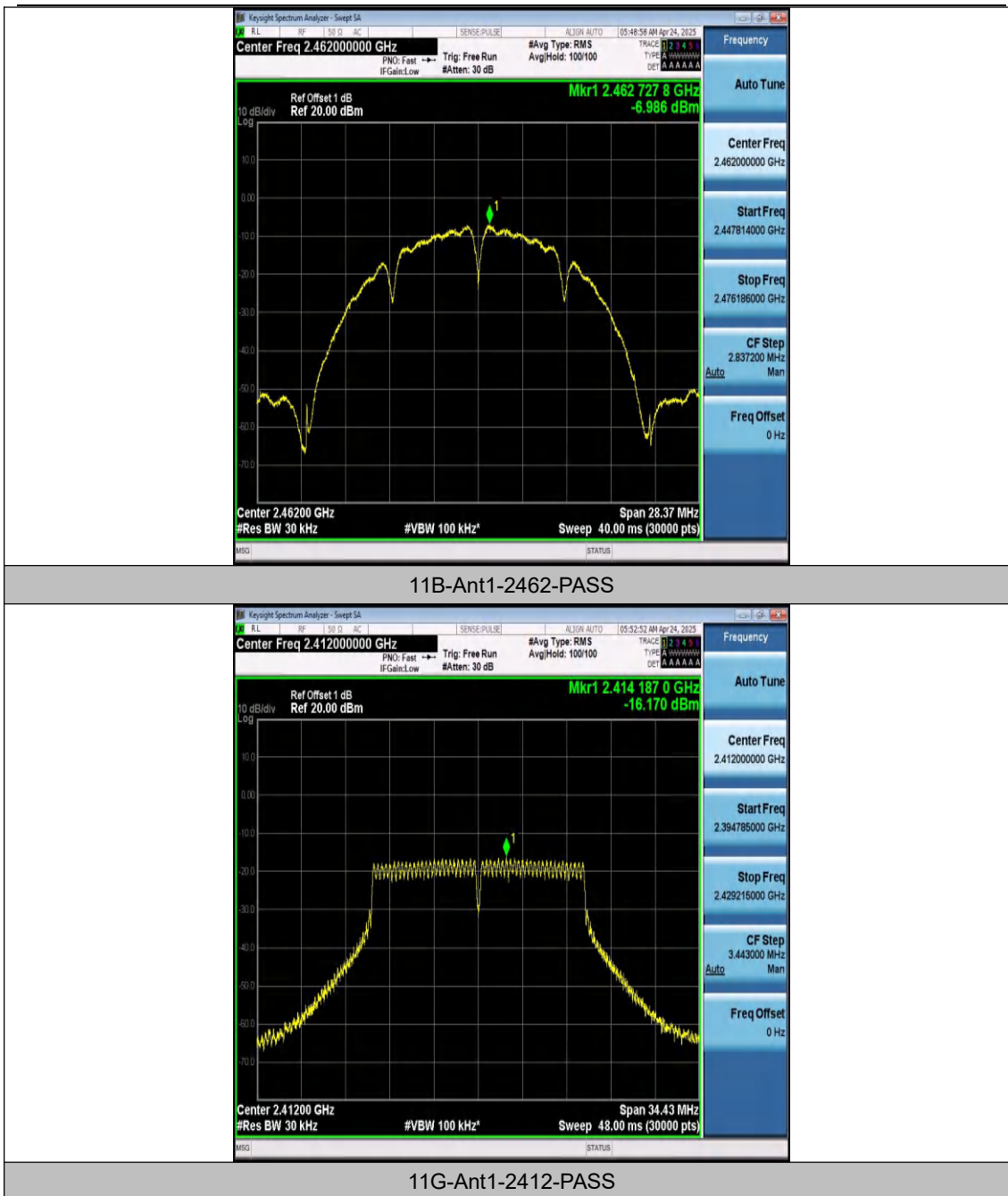
Test Graphs

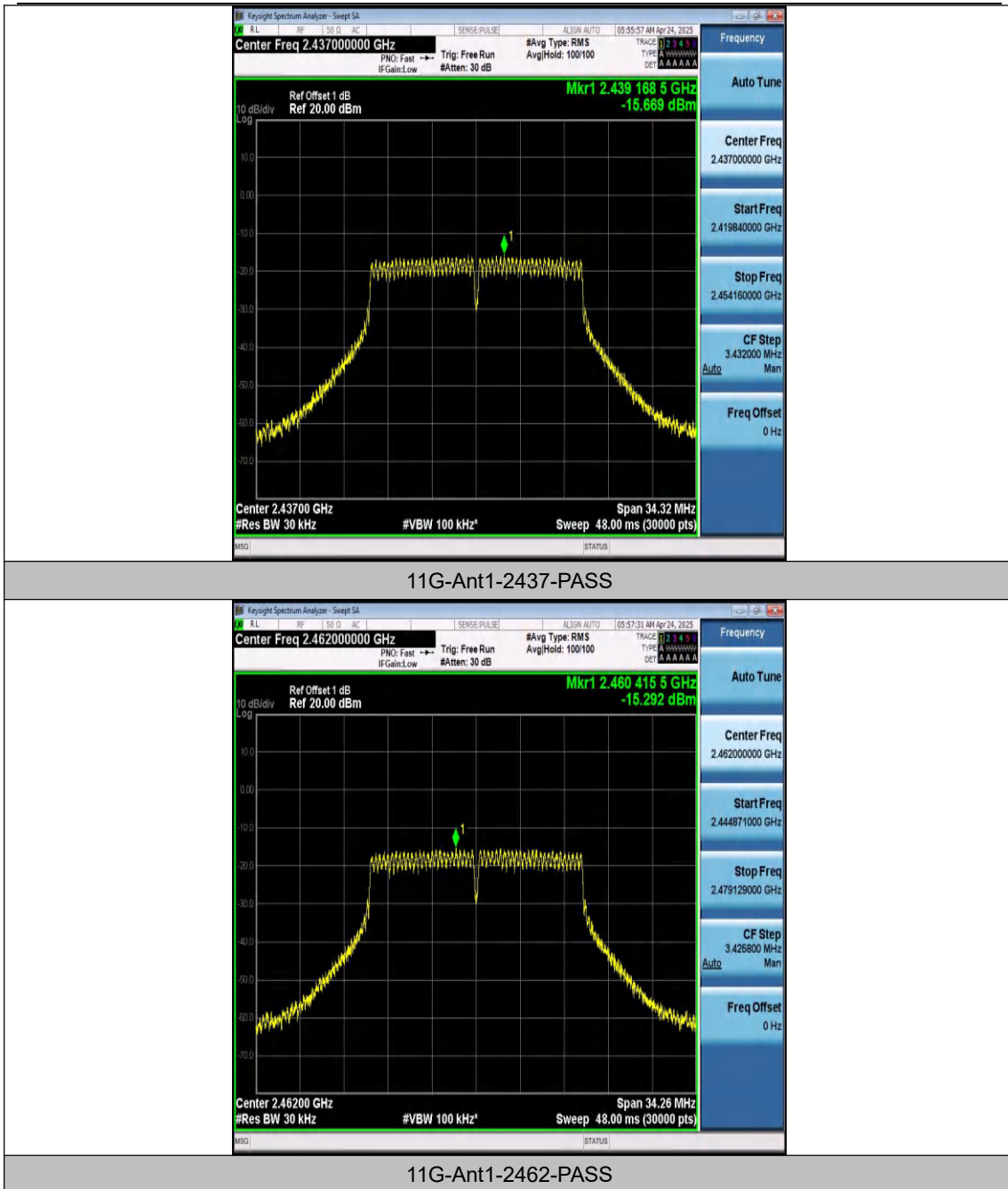


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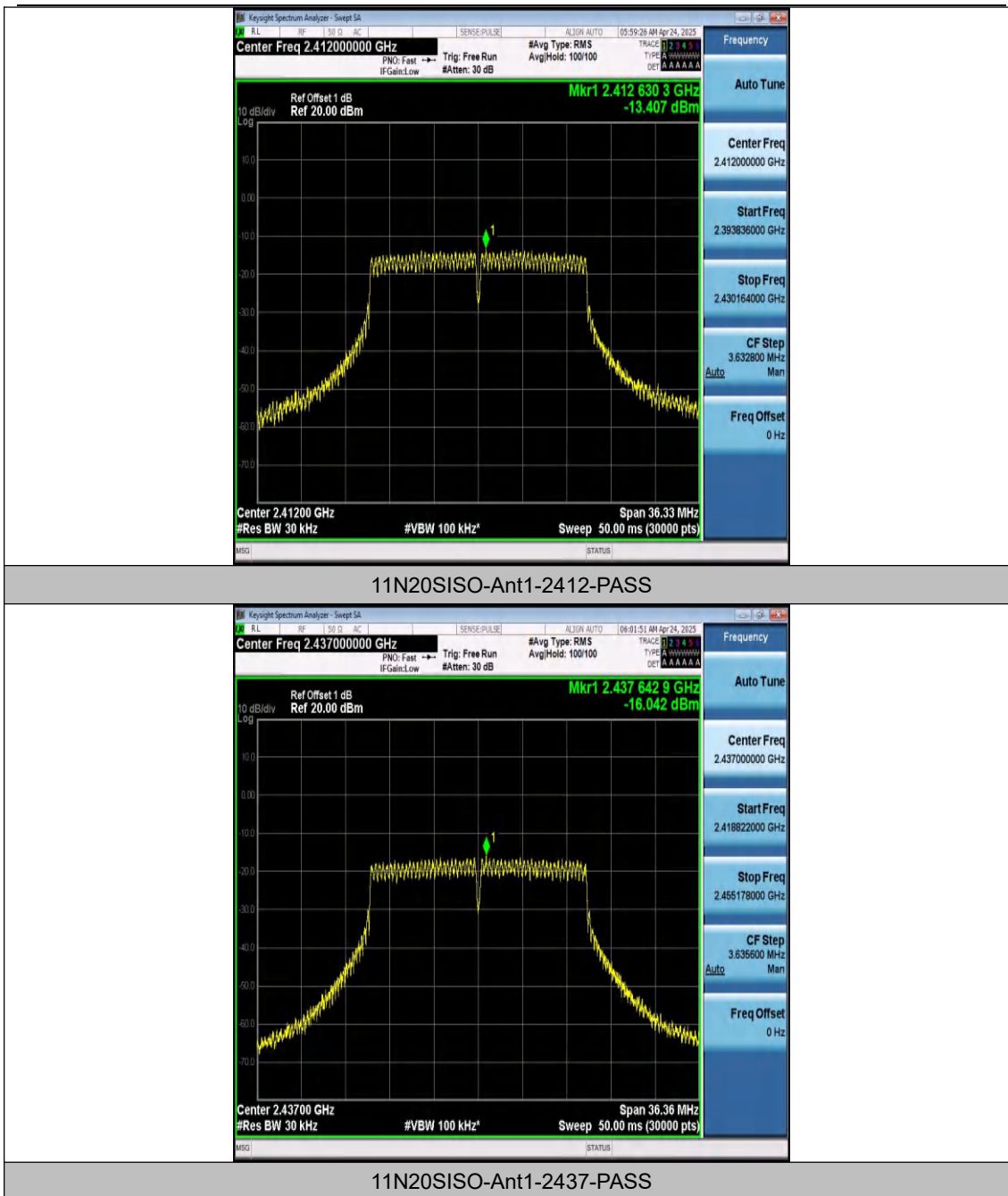


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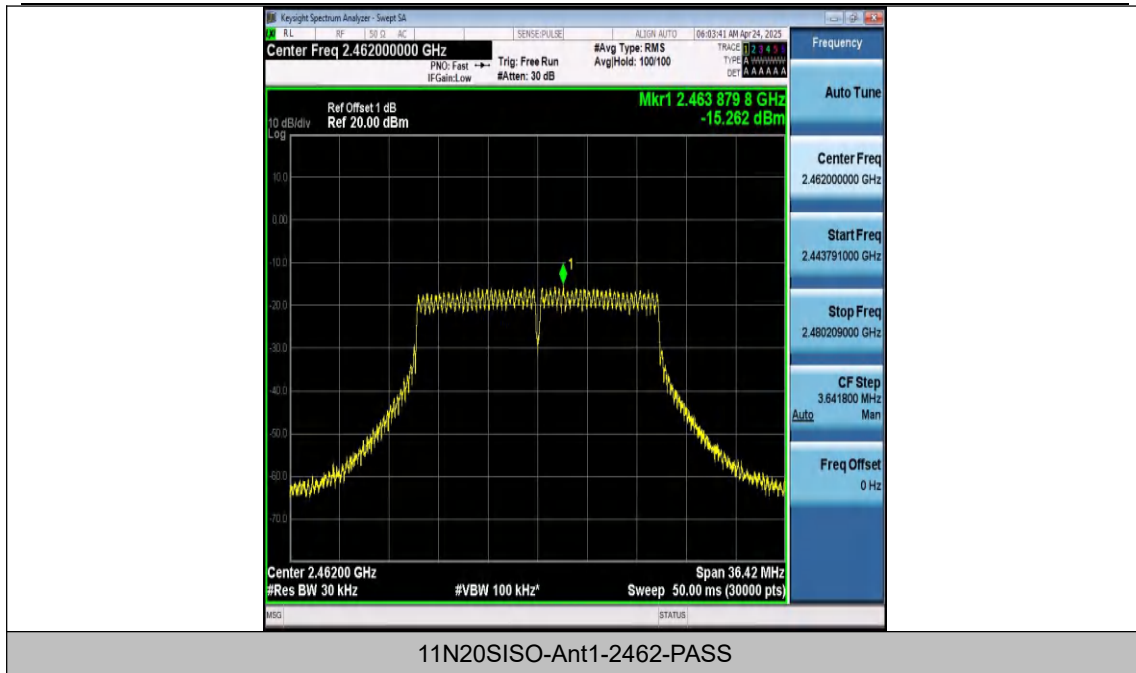
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Appendix E: Conducted Band edge

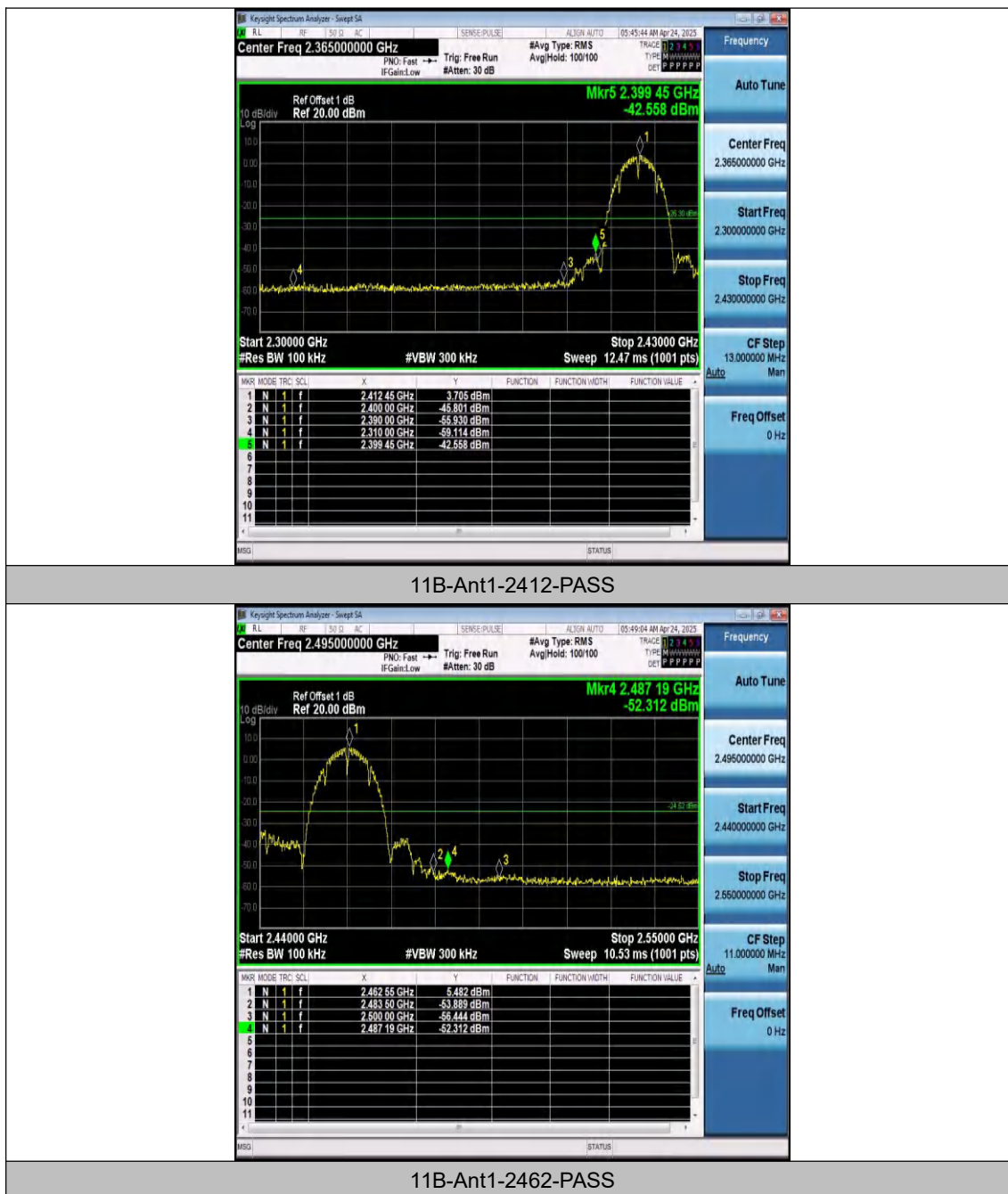
Test Result

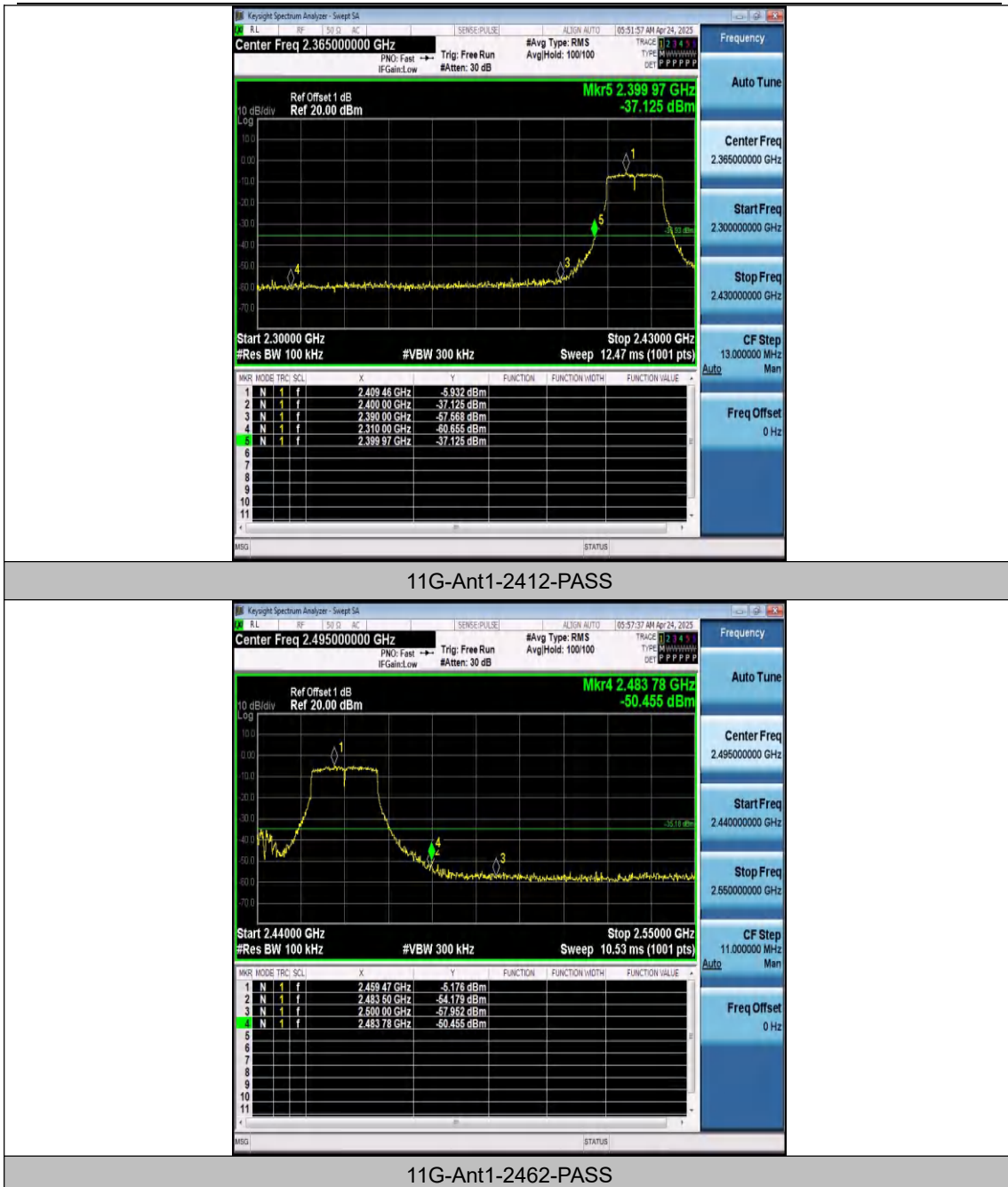
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.71	-42.56	≤-26.3	PASS
11B	Ant1	High	2462	5.48	-52.31	≤-24.52	PASS
11G	Ant1	Low	2412	-5.93	-37.13	≤-35.93	PASS
11G	Ant1	High	2462	-5.18	-50.46	≤-35.18	PASS
11N20SISO	Ant1	Low	2412	-6.60	-37.8	≤-36.6	PASS
11N20SISO	Ant1	High	2462	-4.96	-51.68	≤-34.96	PASS

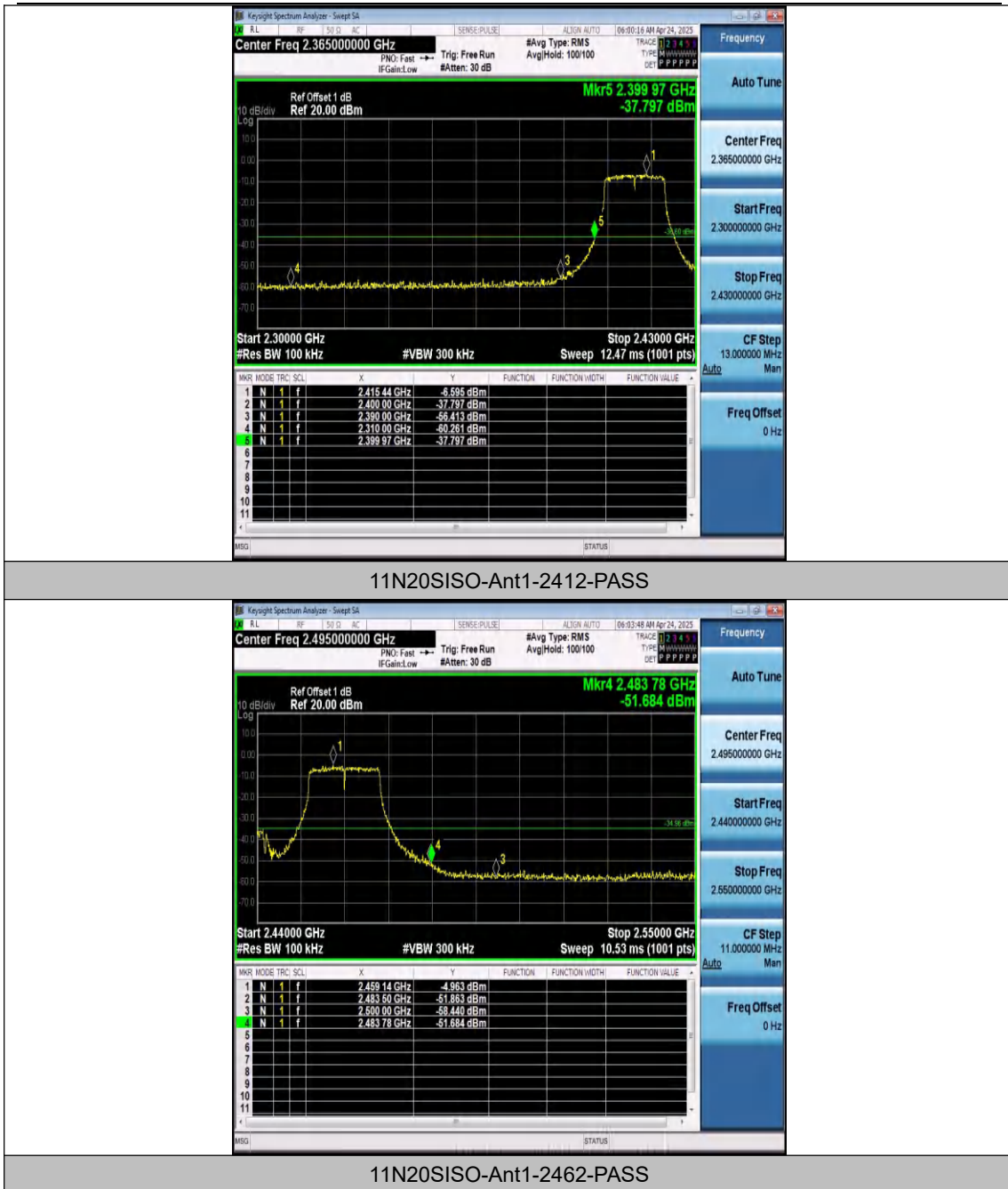
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs







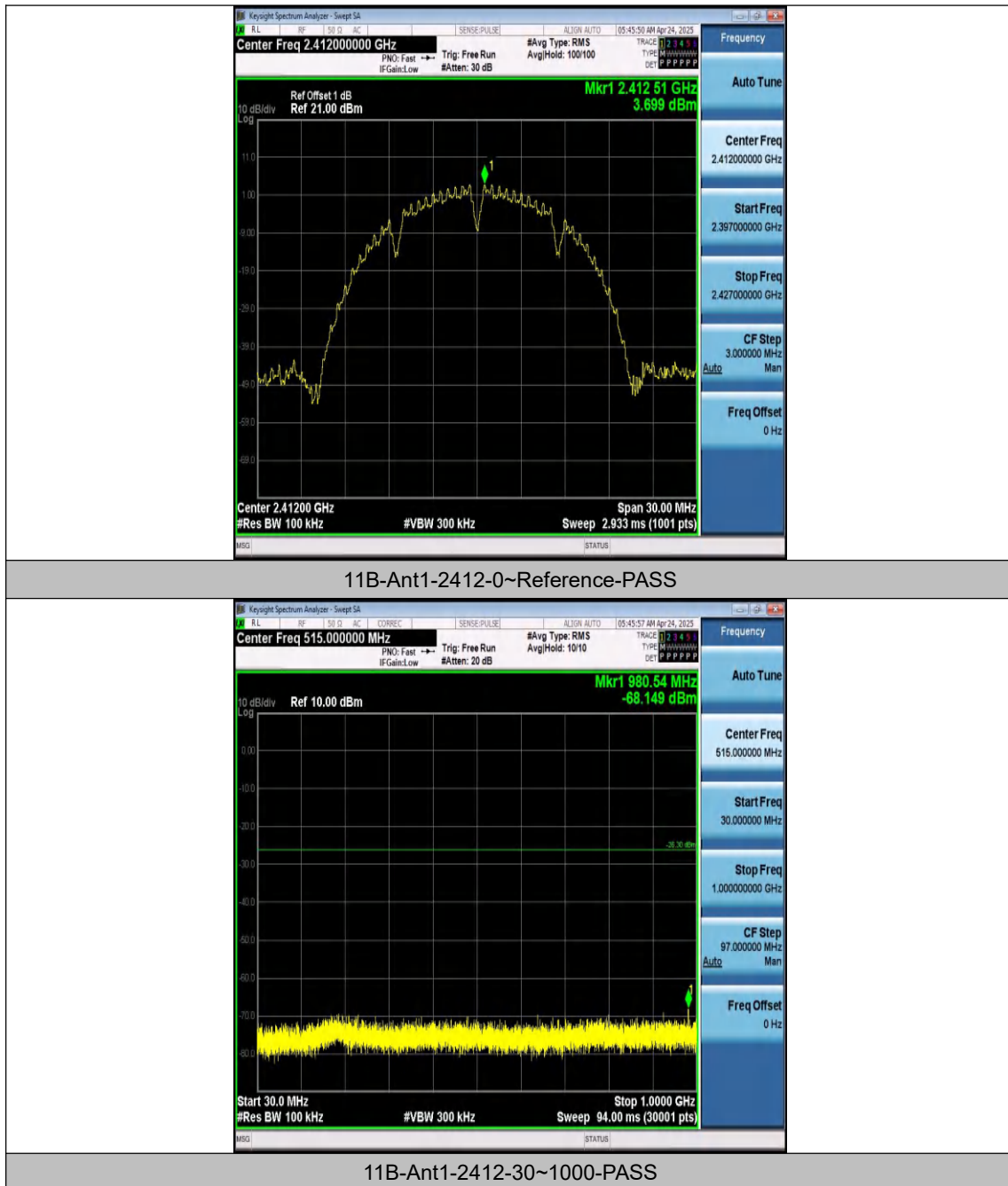
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.70	3.70	---	PASS
11B	Ant1	2412	30~1000	3.70	-68.15	≤-26.3	PASS
11B	Ant1	2412	1000~26500	3.70	-45.46	≤-26.3	PASS
11B	Ant1	2437	0~Reference	4.96	4.96	---	PASS
11B	Ant1	2437	30~1000	4.96	-69.2	≤-25.04	PASS
11B	Ant1	2437	1000~26500	4.96	-44.78	≤-25.04	PASS
11B	Ant1	2462	0~Reference	5.36	5.36	---	PASS
11B	Ant1	2462	30~1000	5.36	-68.37	≤-24.64	PASS
11B	Ant1	2462	1000~26500	5.36	-44.86	≤-24.64	PASS
11G	Ant1	2412	0~Reference	-6.34	-6.34	---	PASS
11G	Ant1	2412	30~1000	-6.34	-67.82	≤-36.34	PASS
11G	Ant1	2412	1000~26500	-6.34	-46.15	≤-36.34	PASS
11G	Ant1	2437	0~Reference	-5.62	-5.62	---	PASS
11G	Ant1	2437	30~1000	-5.62	-69.24	≤-35.62	PASS
11G	Ant1	2437	1000~26500	-5.62	-40.58	≤-35.62	PASS
11G	Ant1	2462	0~Reference	-5.28	-5.28	---	PASS
11G	Ant1	2462	30~1000	-5.28	-68.44	≤-35.28	PASS
11G	Ant1	2462	1000~26500	-5.28	-41.74	≤-35.28	PASS
11N20SISO	Ant1	2412	0~Reference	-6.51	-6.51	---	PASS
11N20SISO	Ant1	2412	30~1000	-6.51	-68.5	≤-36.51	PASS
11N20SISO	Ant1	2412	1000~26500	-6.51	-48	≤-36.51	PASS
11N20SISO	Ant1	2437	0~Reference	-5.35	-5.35	---	PASS
11N20SISO	Ant1	2437	30~1000	-5.35	-68.67	≤-35.35	PASS
11N20SISO	Ant1	2437	1000~26500	-5.35	-52.09	≤-35.35	PASS
11N20SISO	Ant1	2462	0~Reference	-5.49	-5.49	---	PASS
11N20SISO	Ant1	2462	30~1000	-5.49	-69.39	≤-35.49	PASS
11N20SISO	Ant1	2462	1000~26500	-5.49	-46.99	≤-35.49	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.

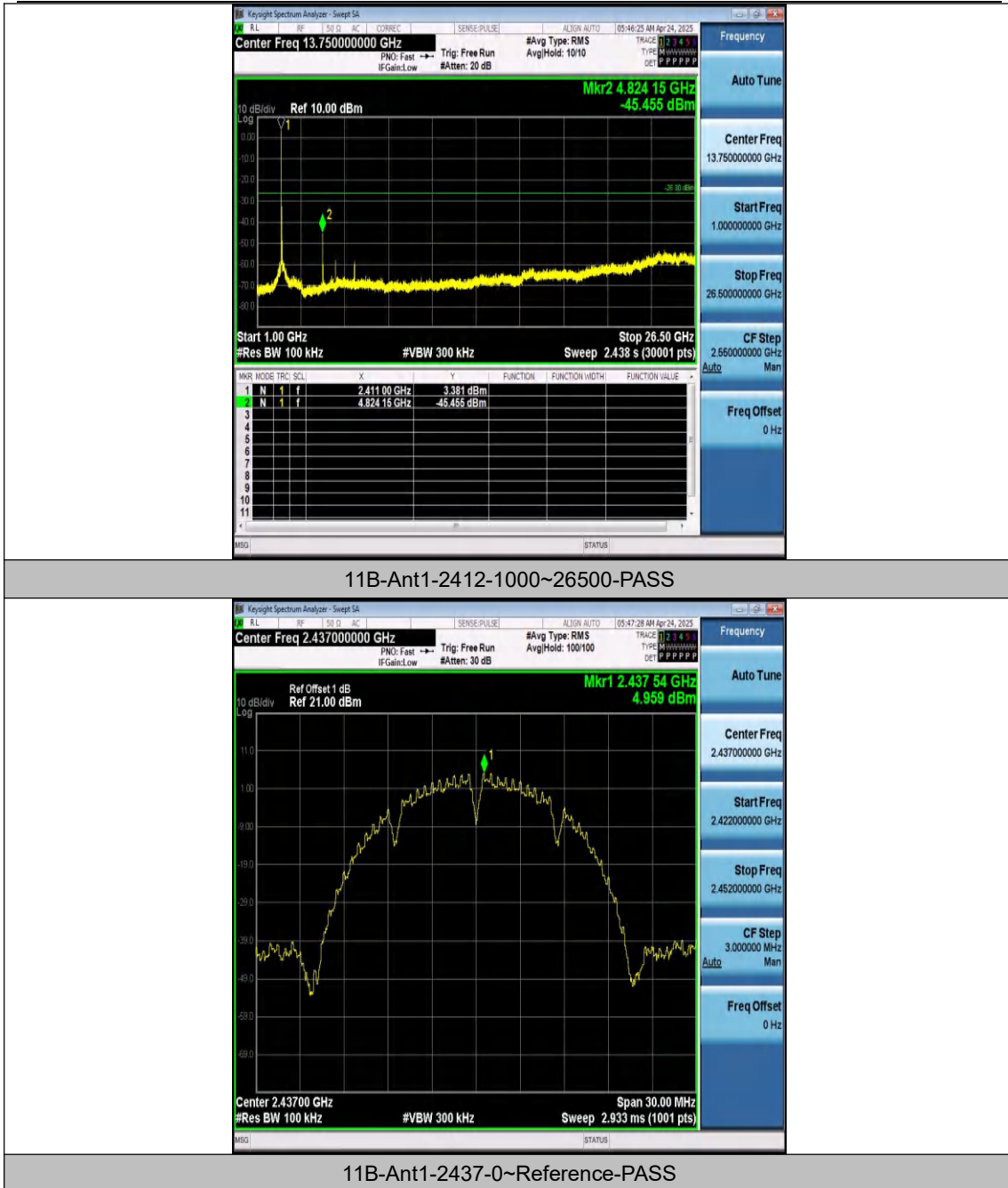
Test Graphs



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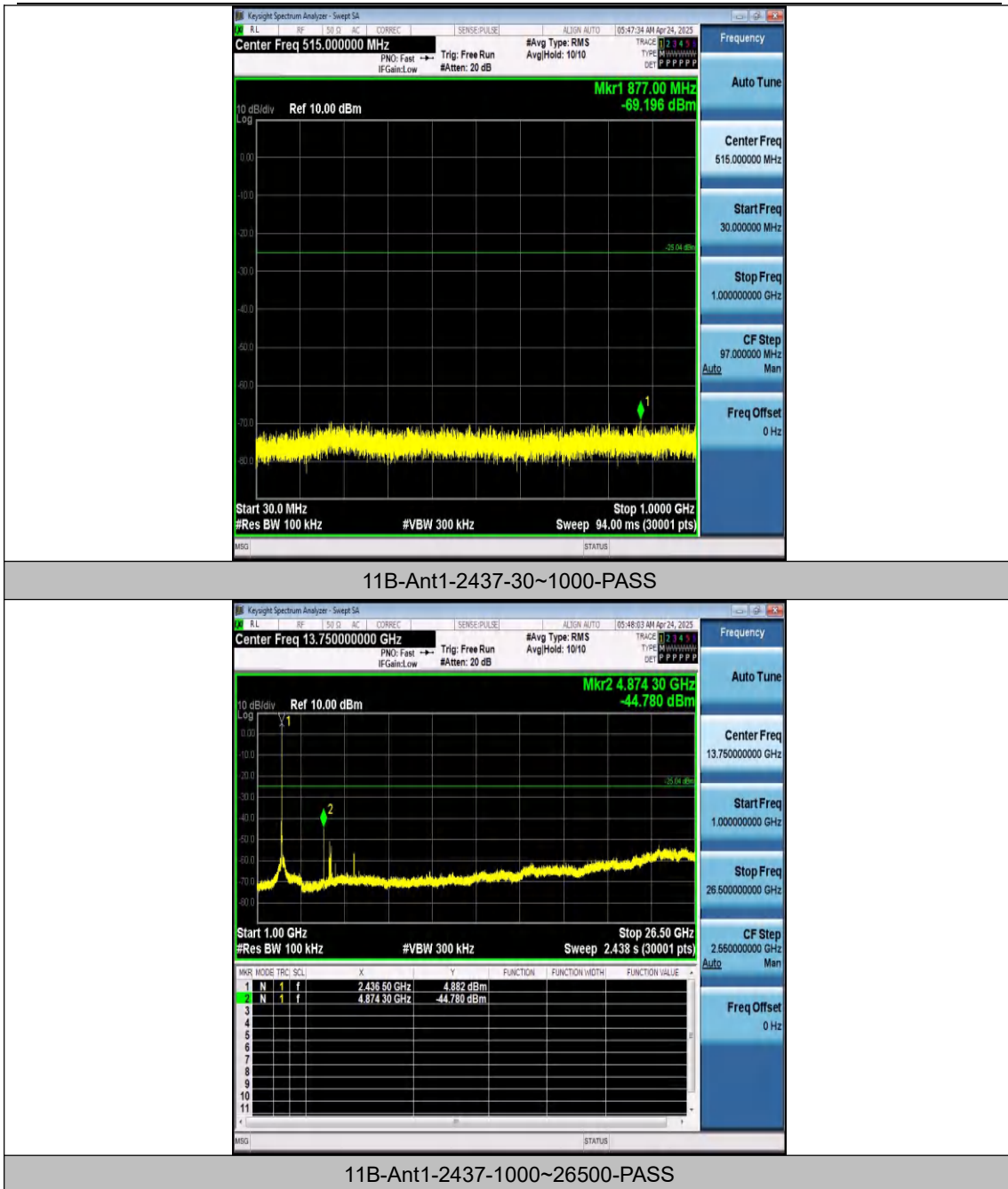
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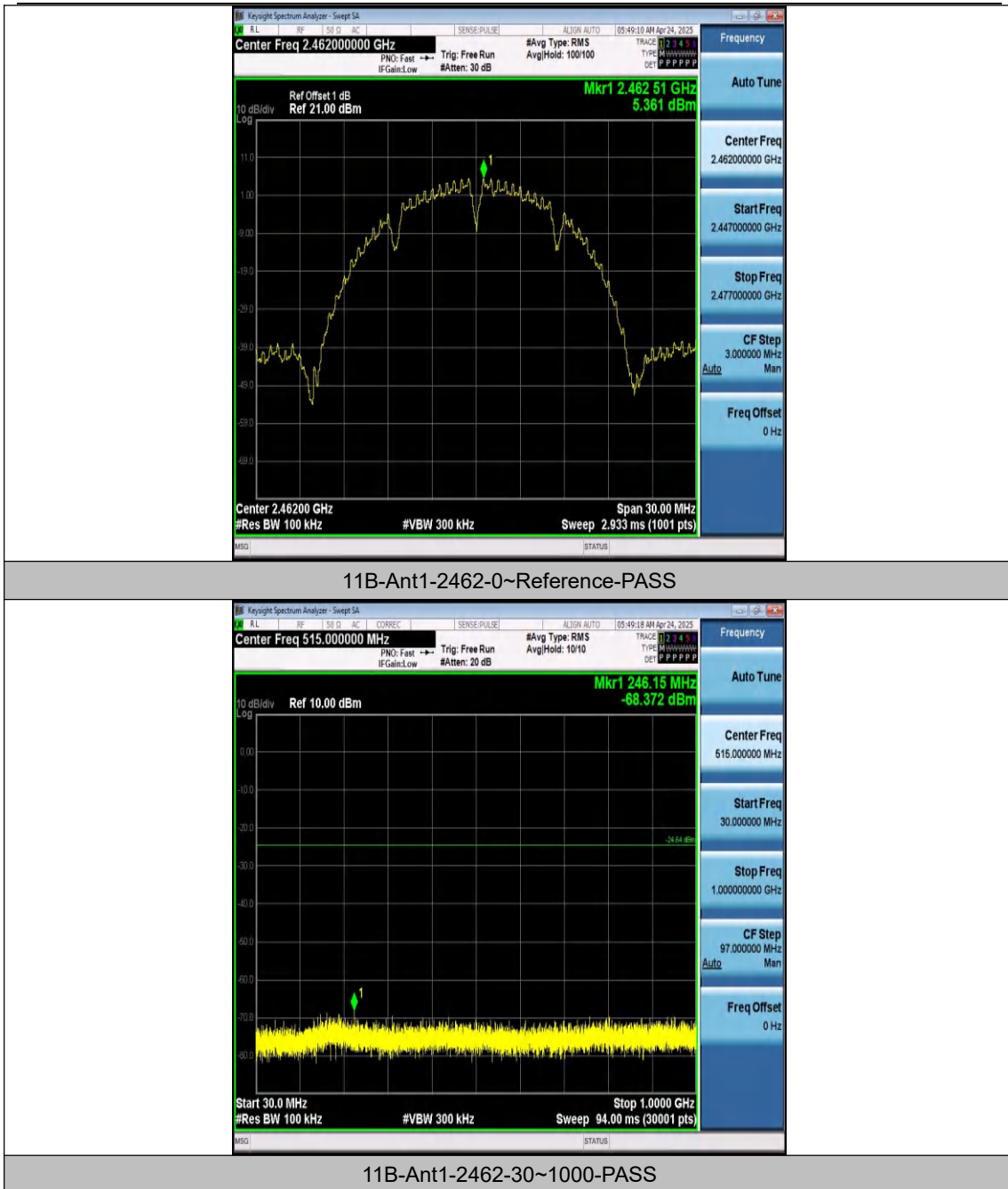


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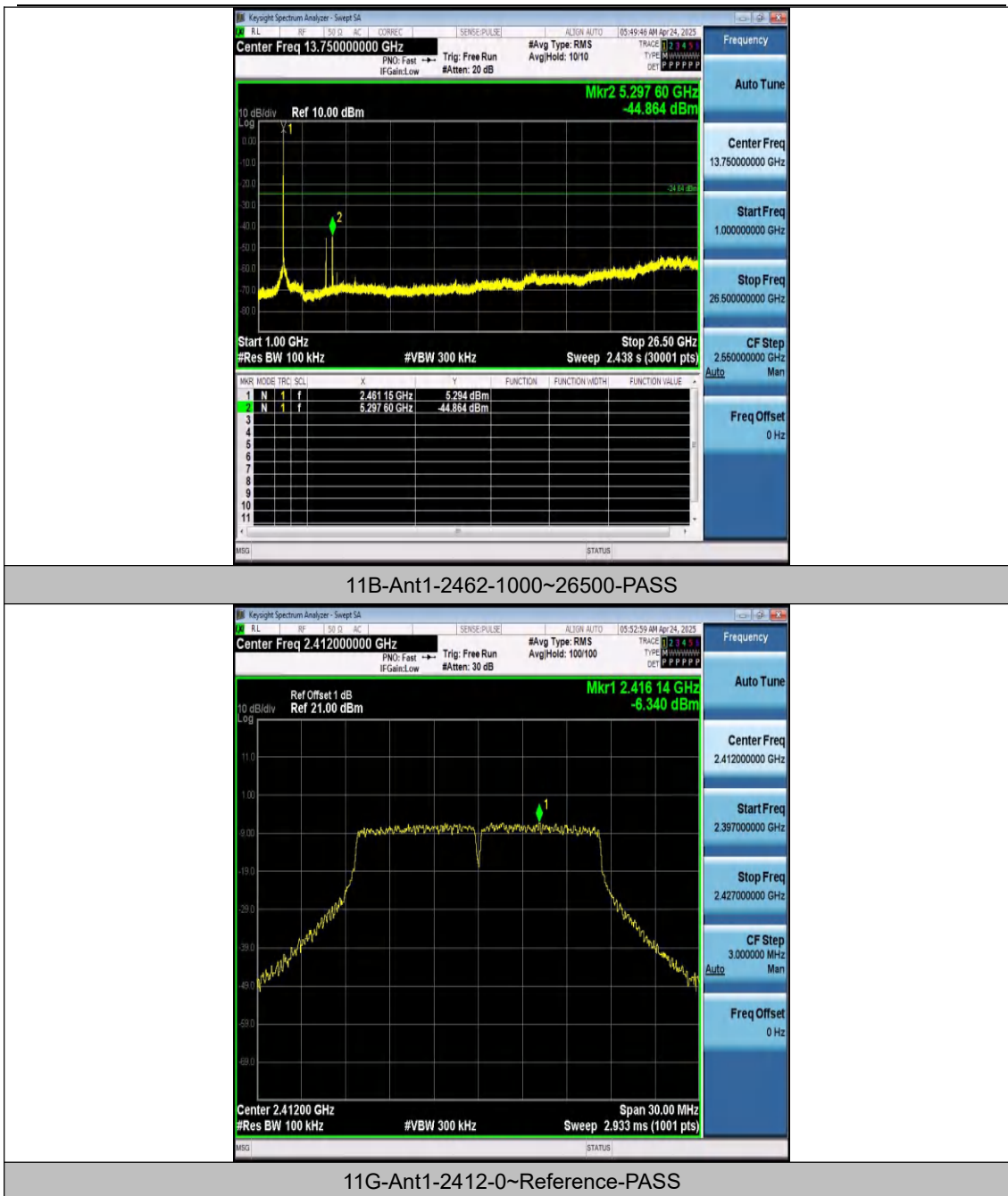




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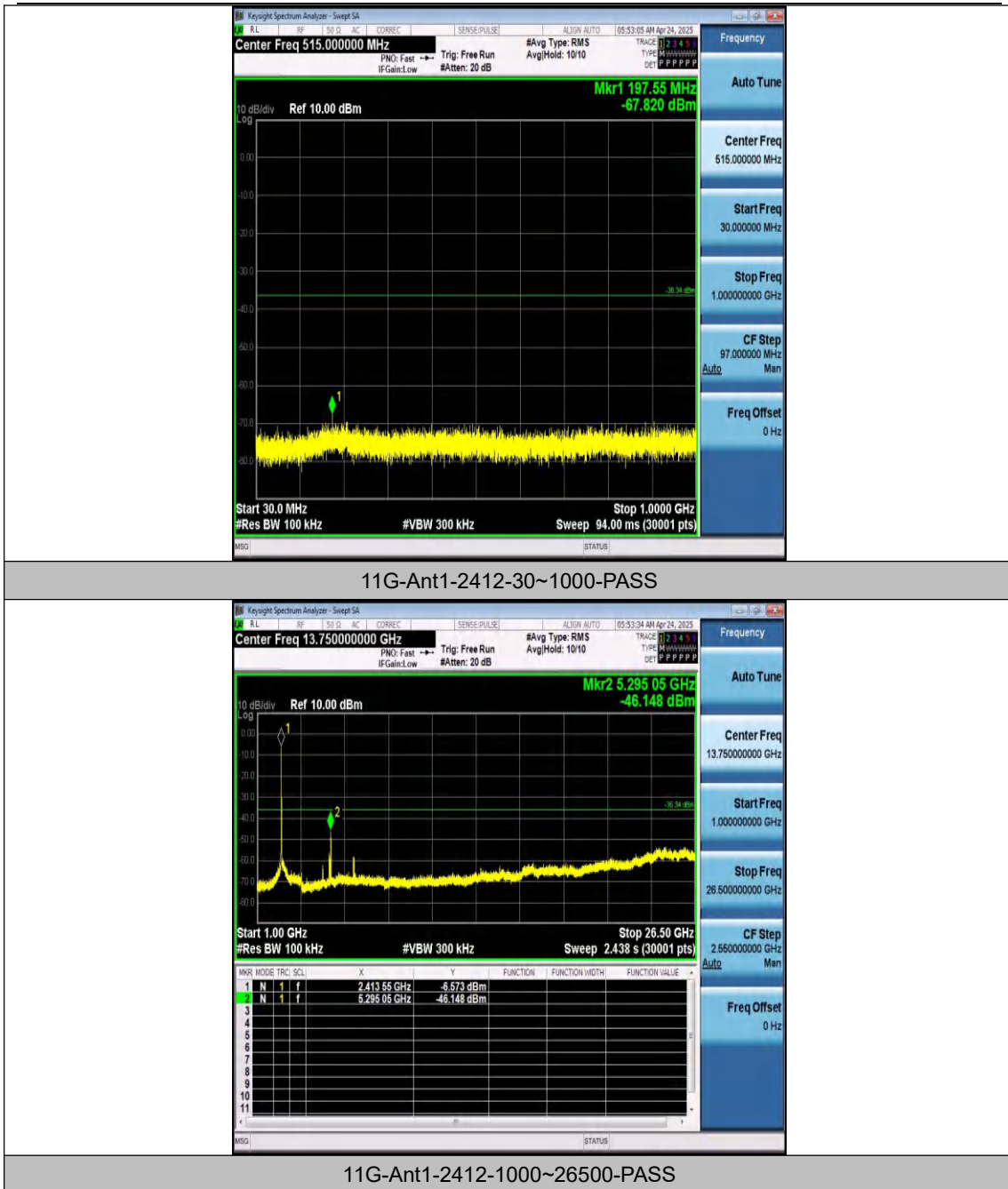
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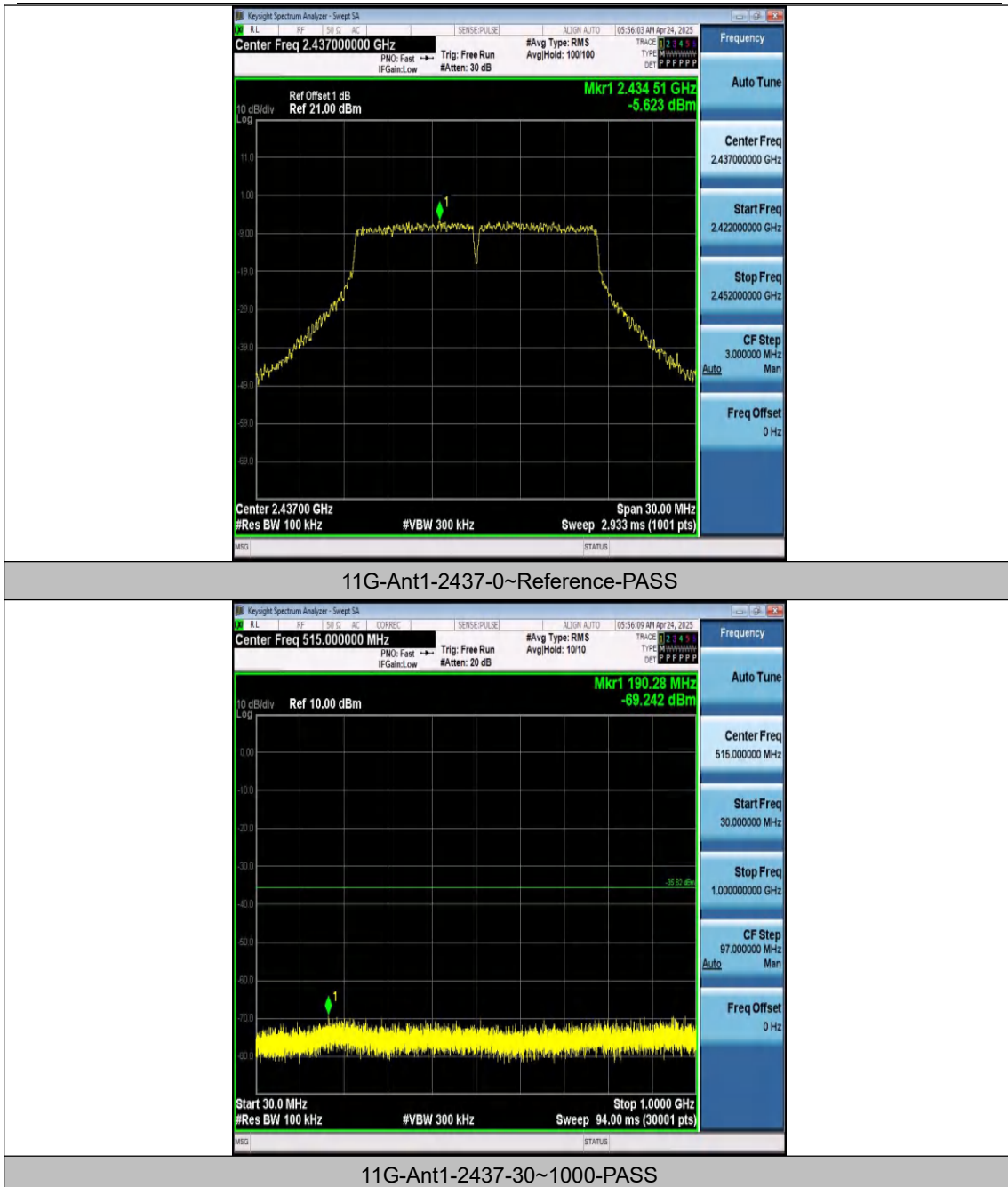


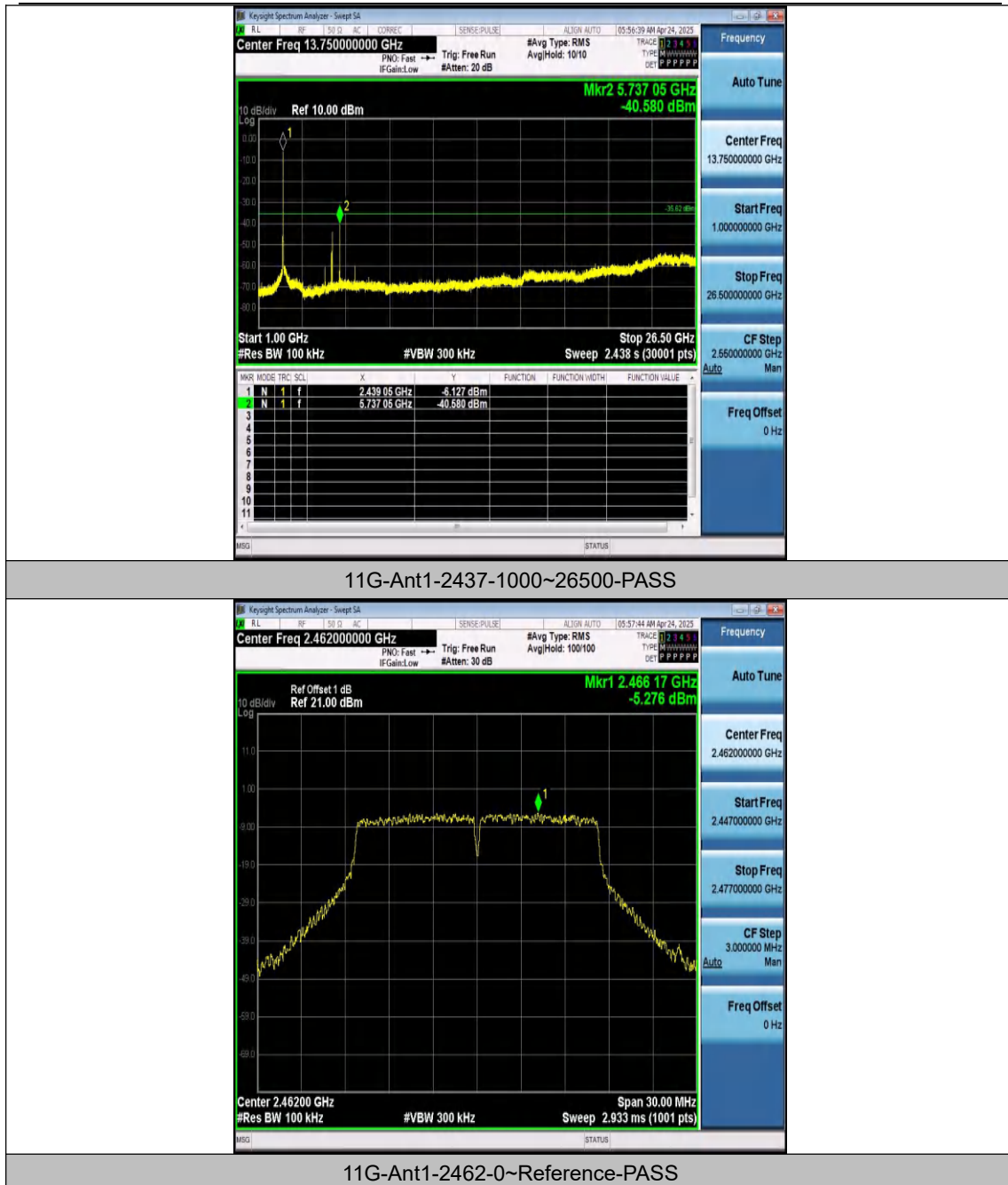
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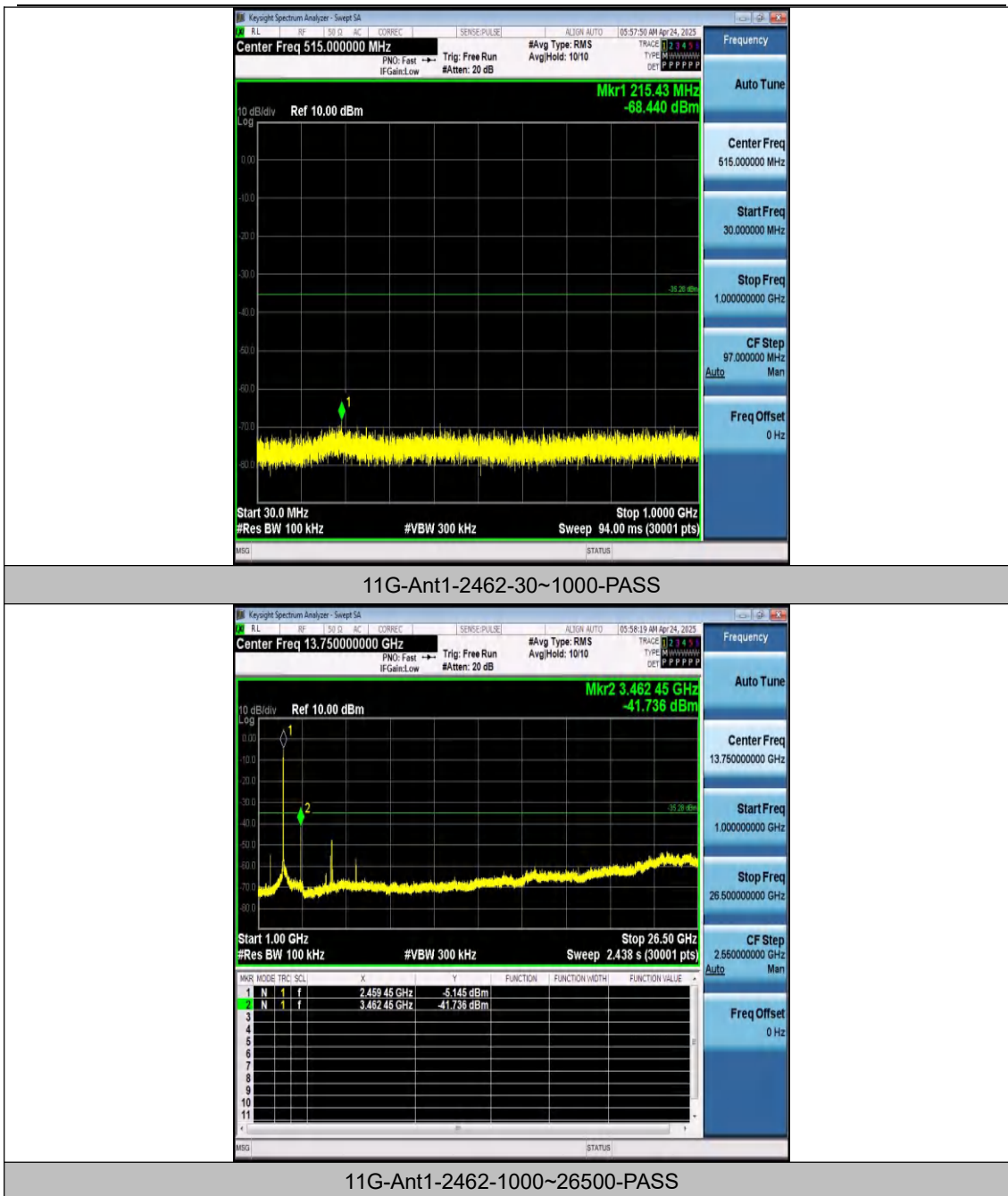
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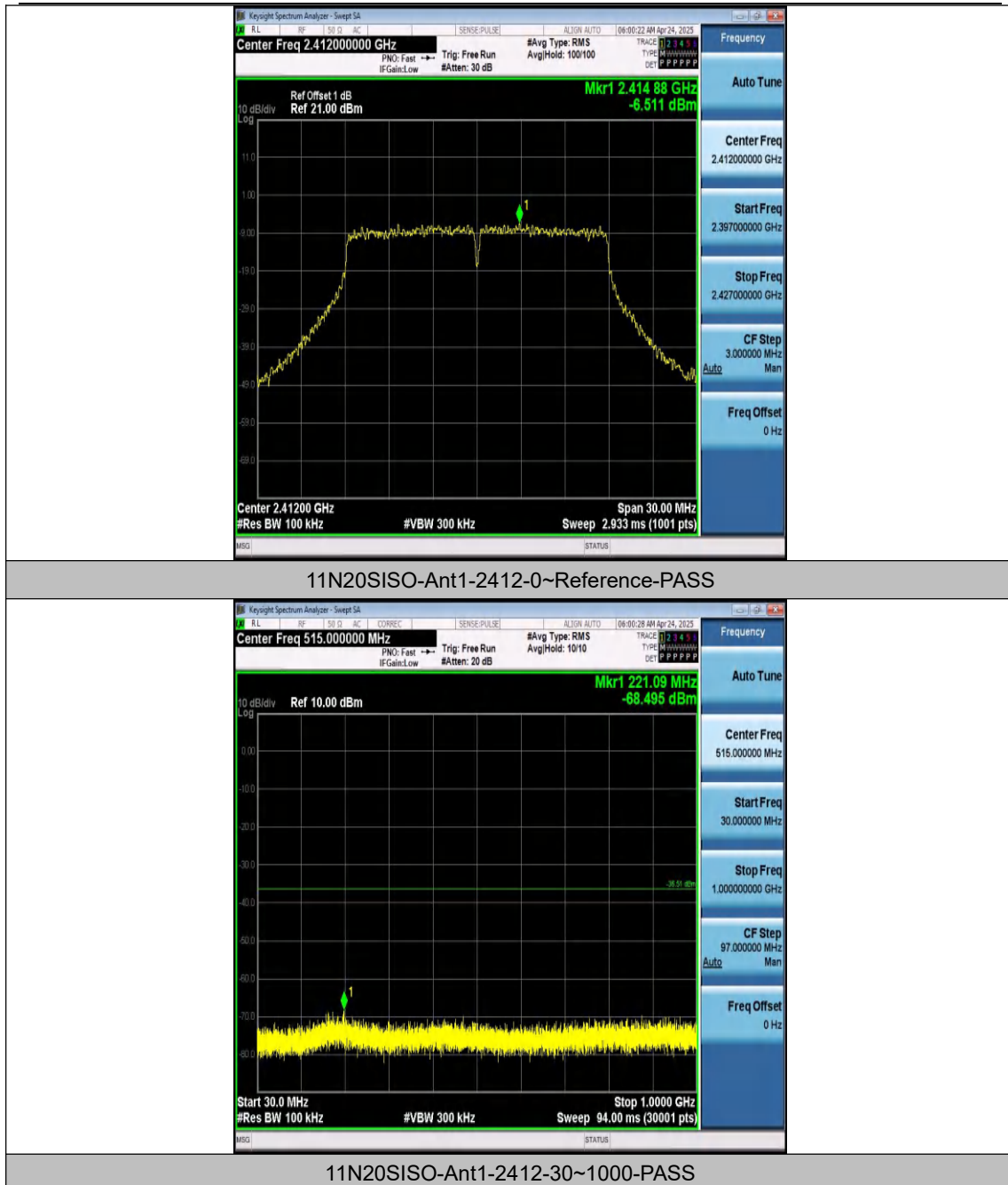
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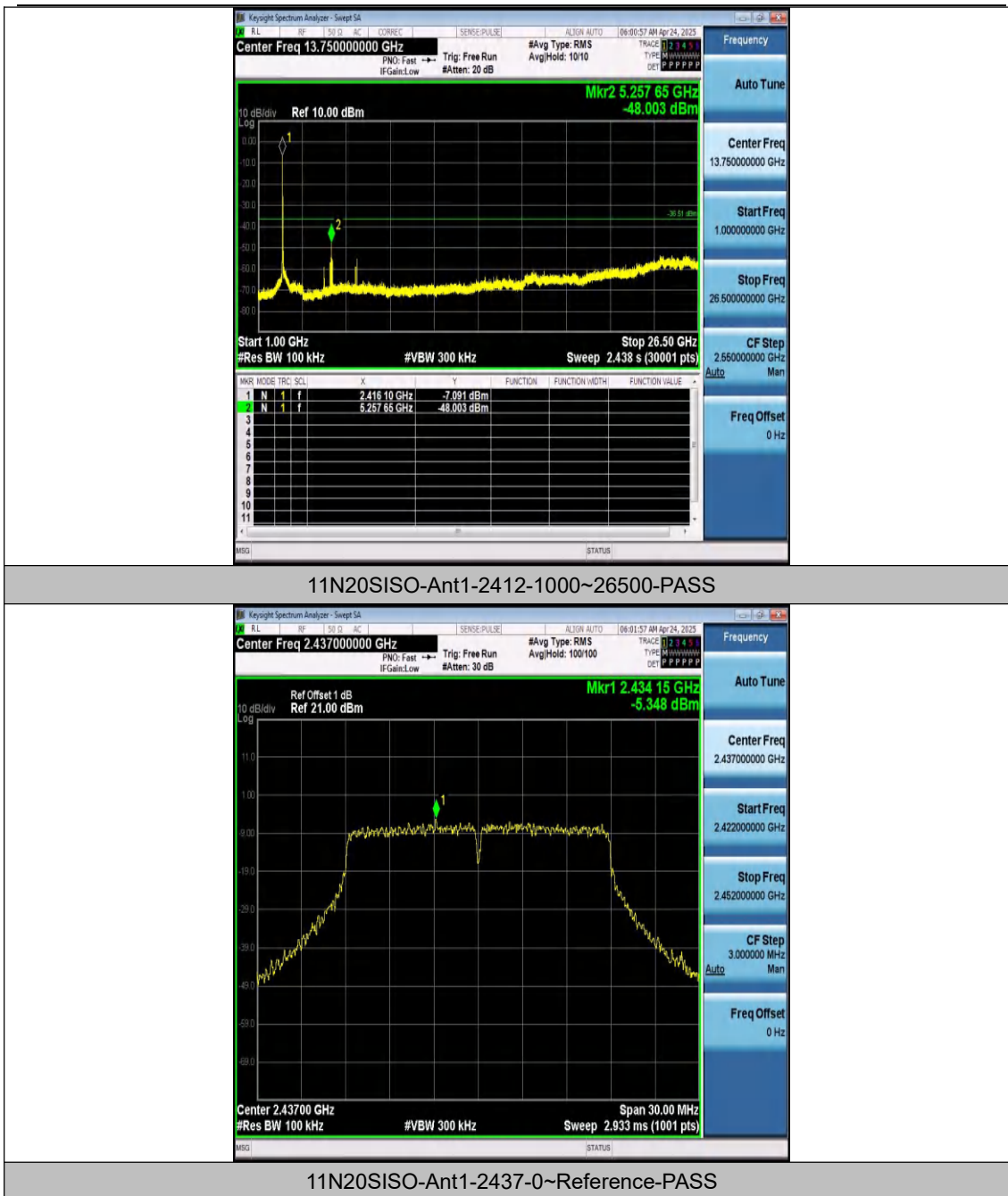


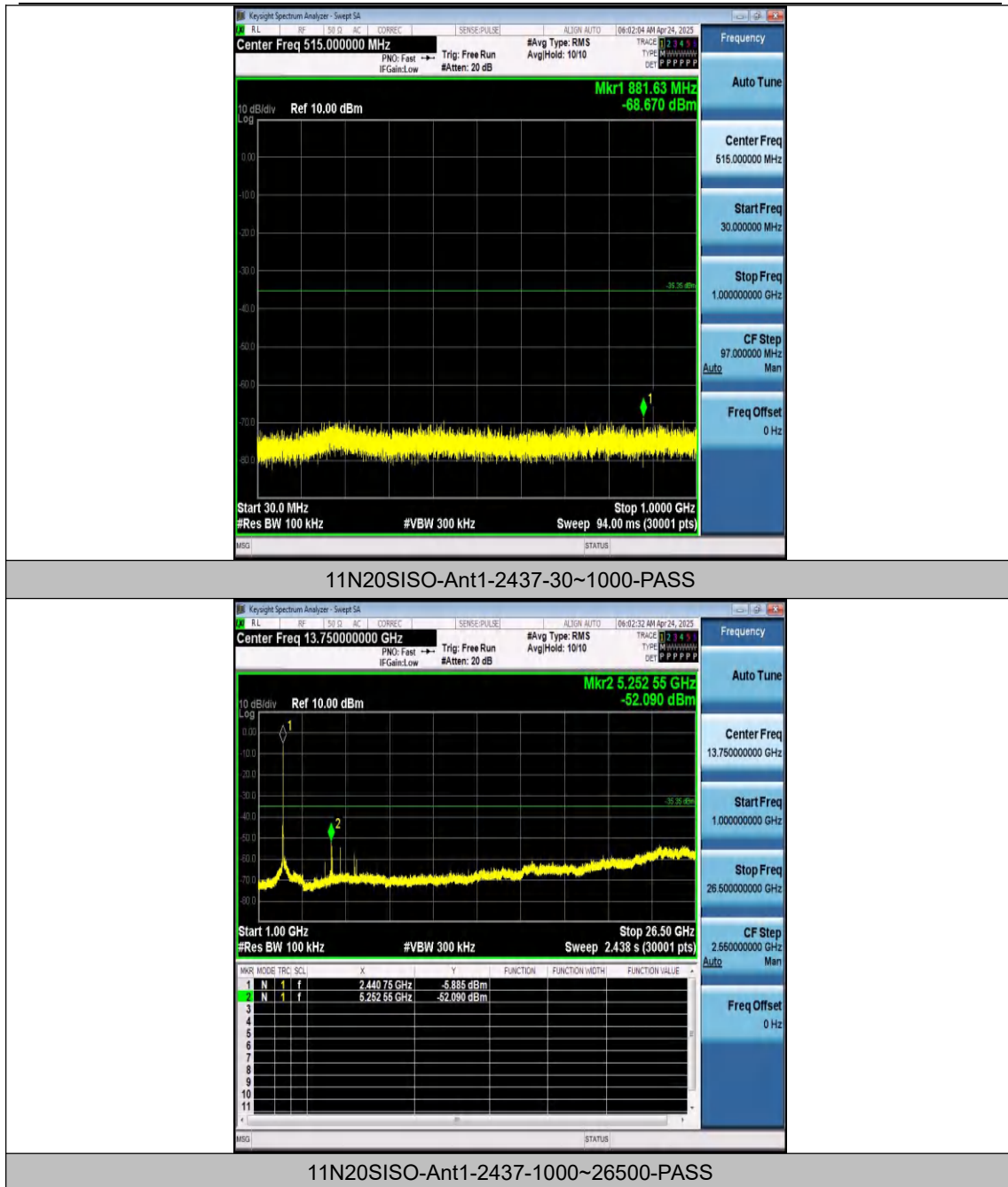


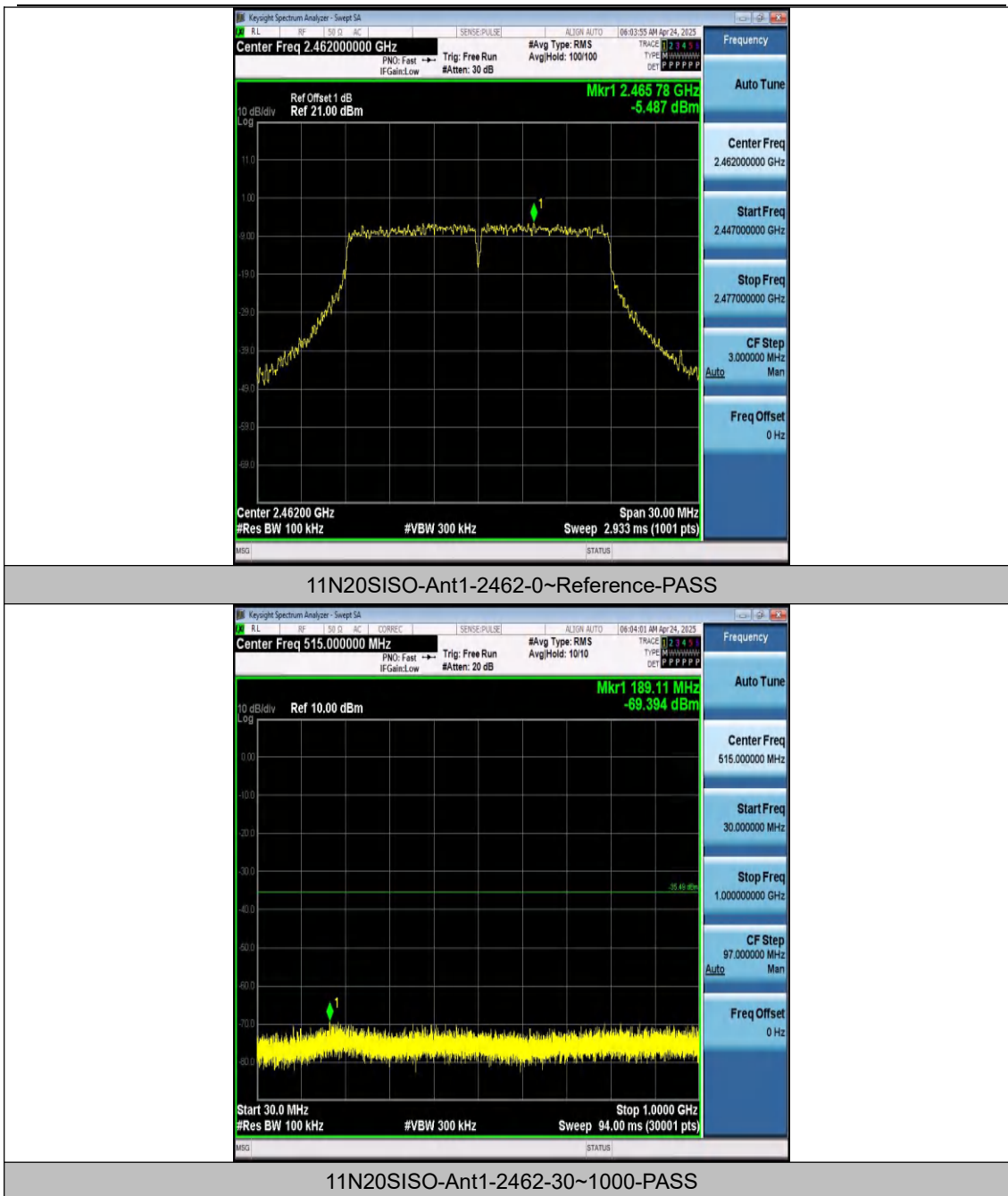


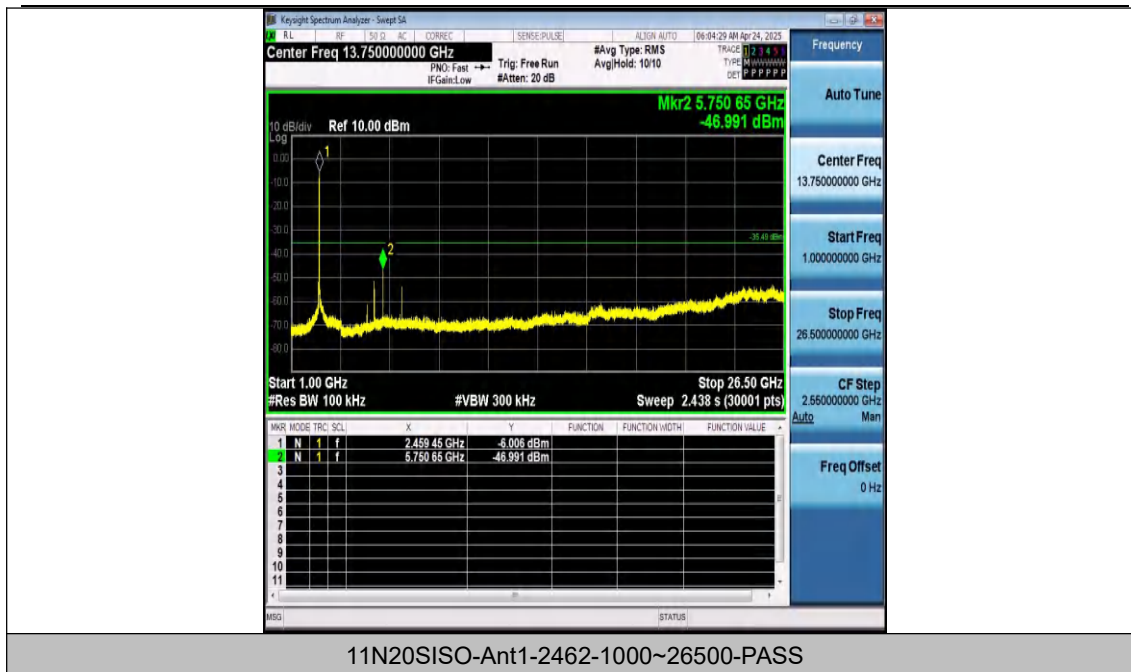












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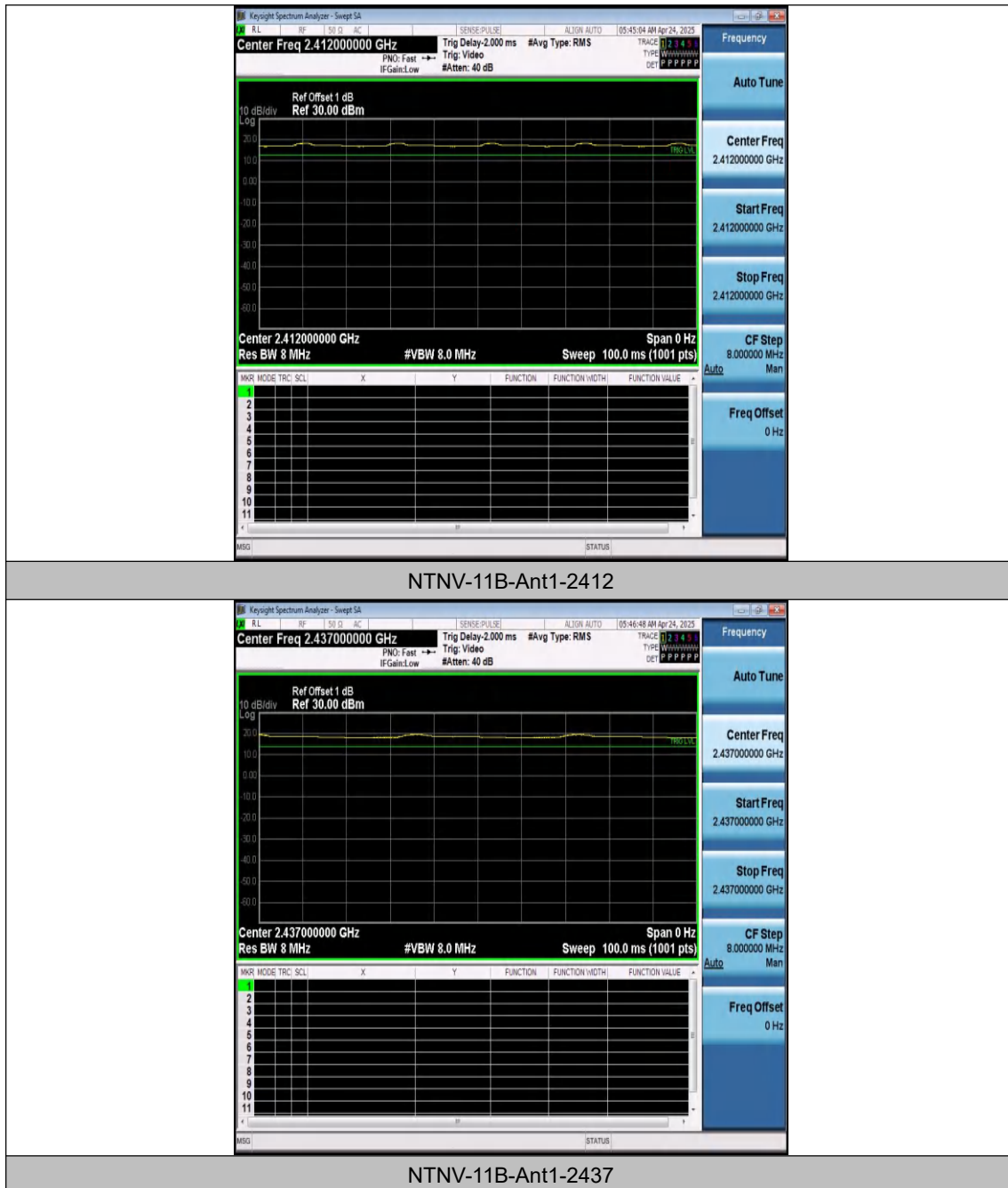
Appendix G: Duty Cycle

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



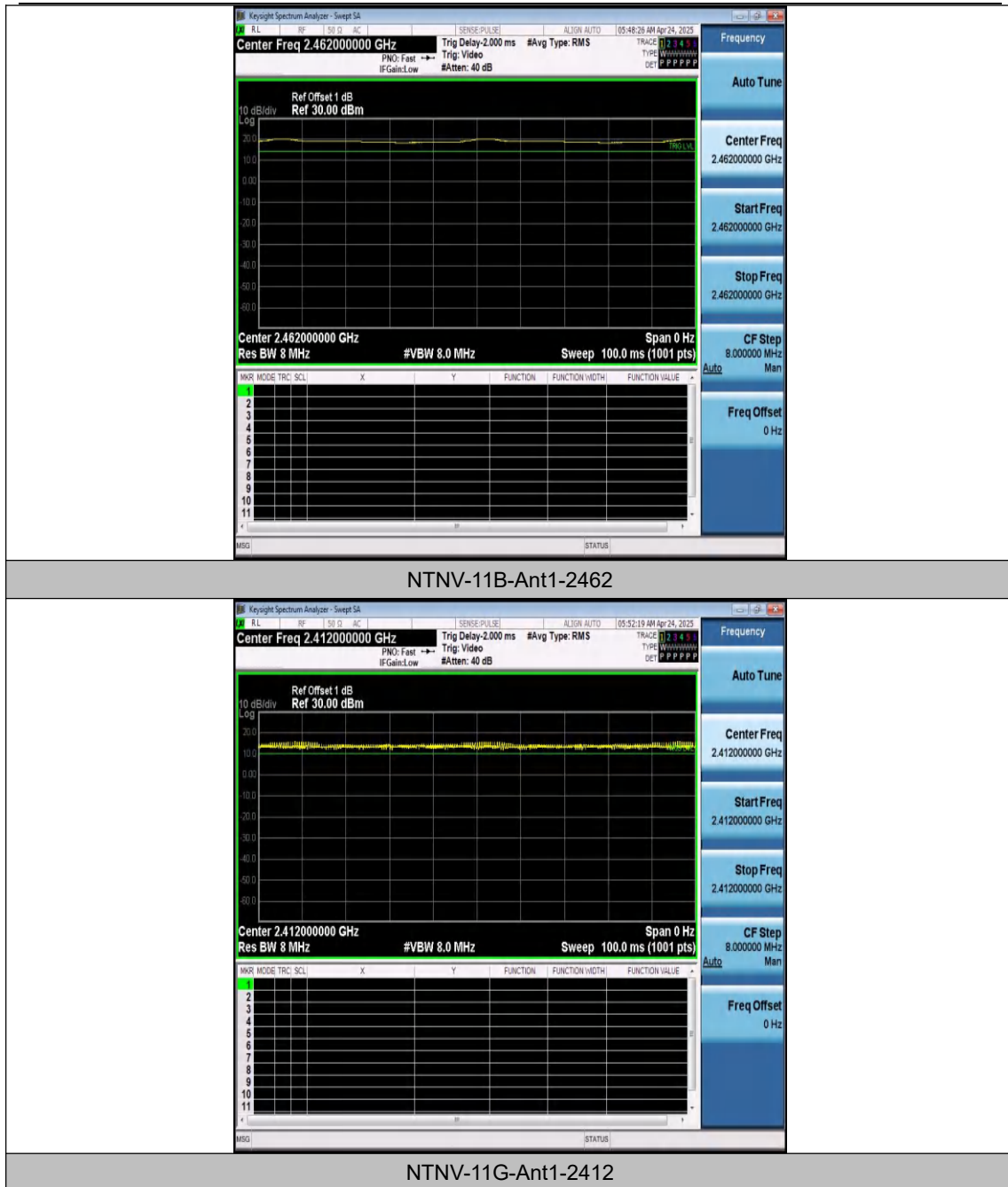
Test Graphs



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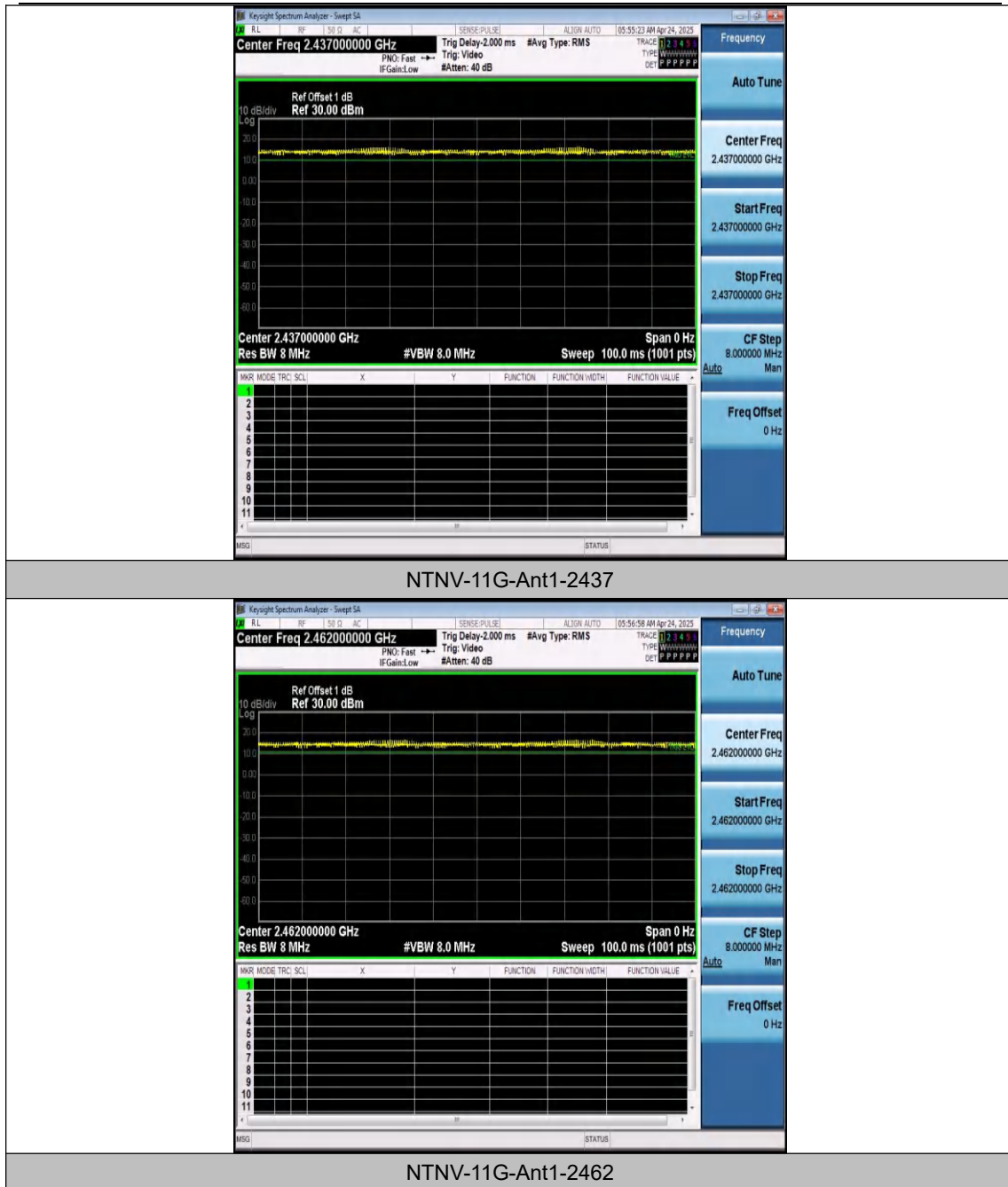
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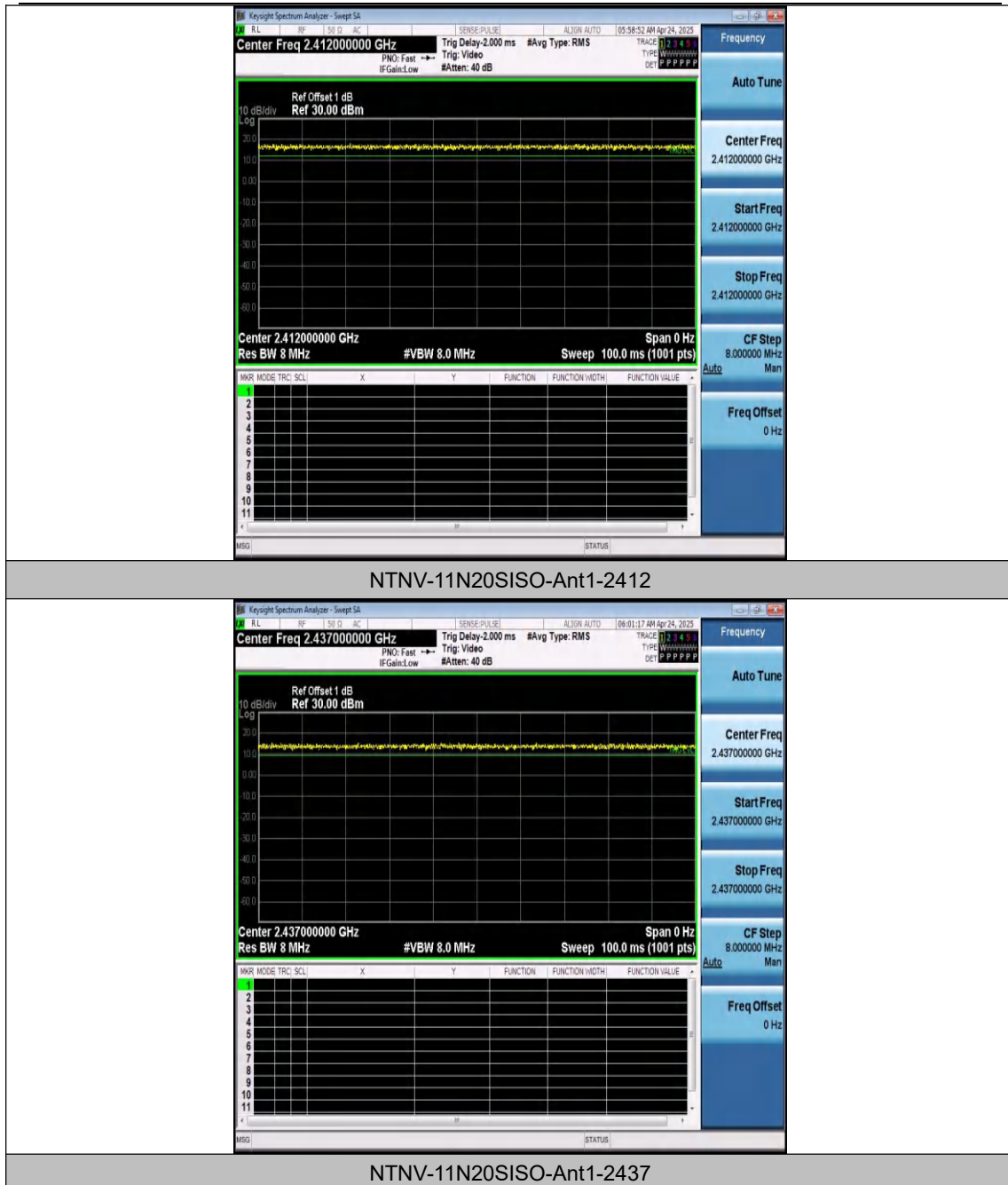


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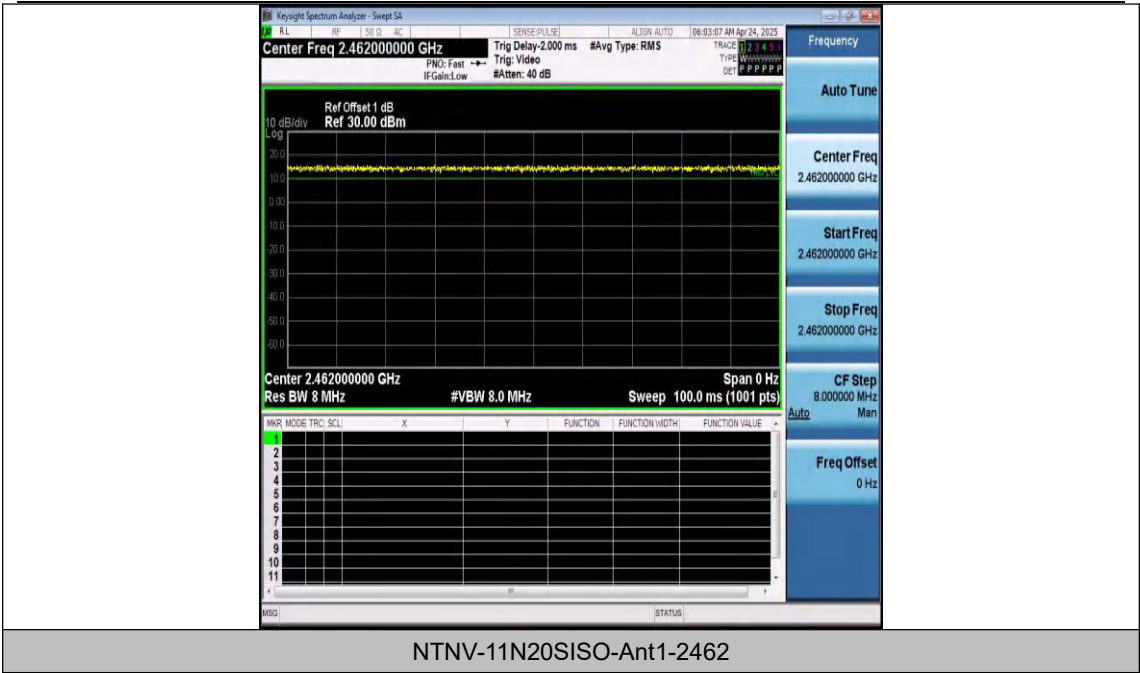




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