

Appendix Test Data

Report No.:	1812C50638312502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-5	Finish Test Date:	2025-12-5
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.4°C	Relative Humidity:	46%
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	8.840	2407.520	2416.360	0.5	PASS
11B	Ant1	2437	8.840	2432.480	2441.320	0.5	PASS
11B	Ant1	2462	8.800	2457.520	2466.320	0.5	PASS
11G	Ant1	2412	16.160	2403.960	2420.120	0.5	PASS
11G	Ant1	2437	16.320	2428.800	2445.120	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.640	2403.720	2420.360	0.5	PASS
11N20SISO	Ant1	2437	16.800	2428.560	2445.360	0.5	PASS
11N20SISO	Ant1	2462	16.960	2453.520	2470.480	0.5	PASS

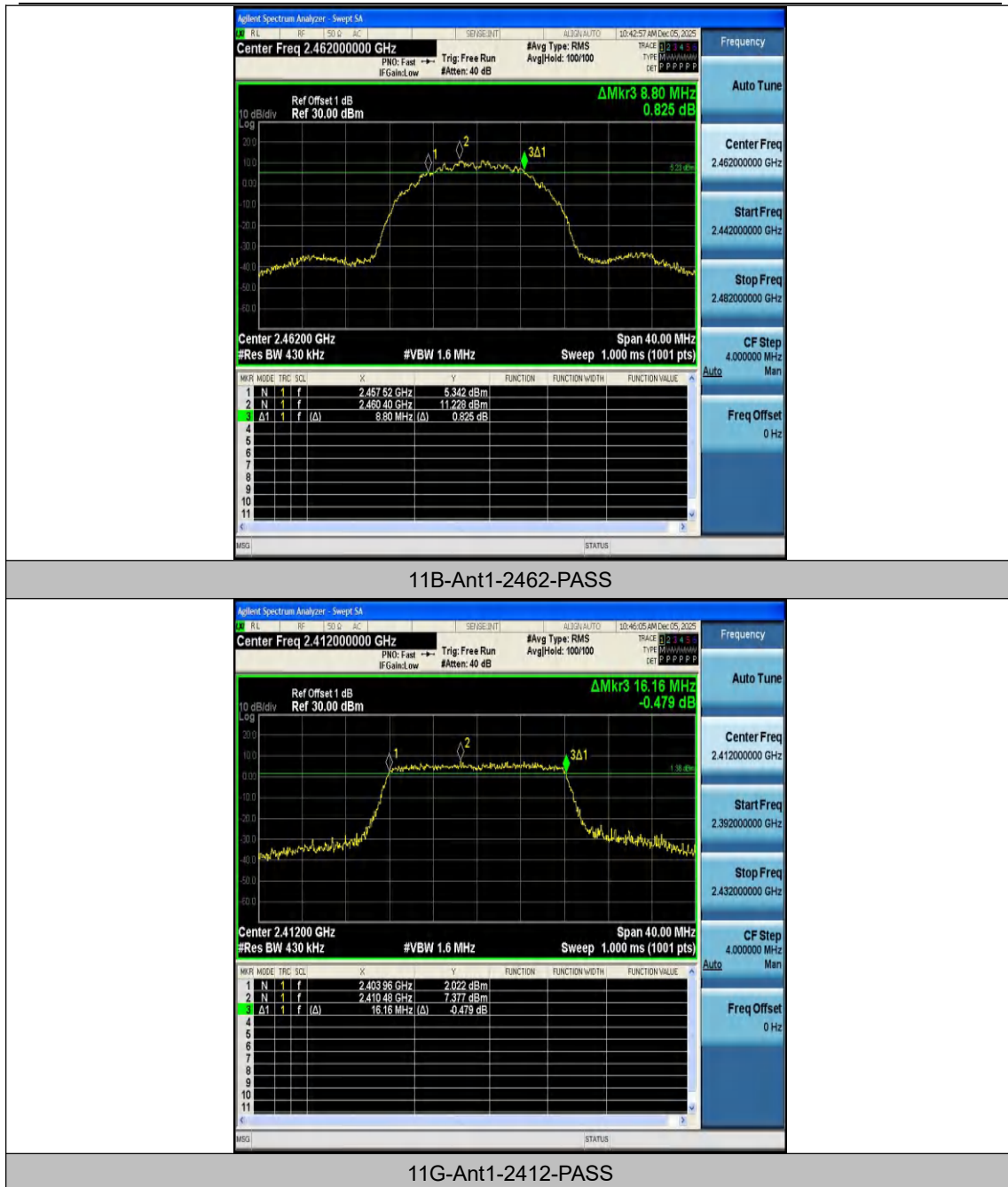
Test Graphs



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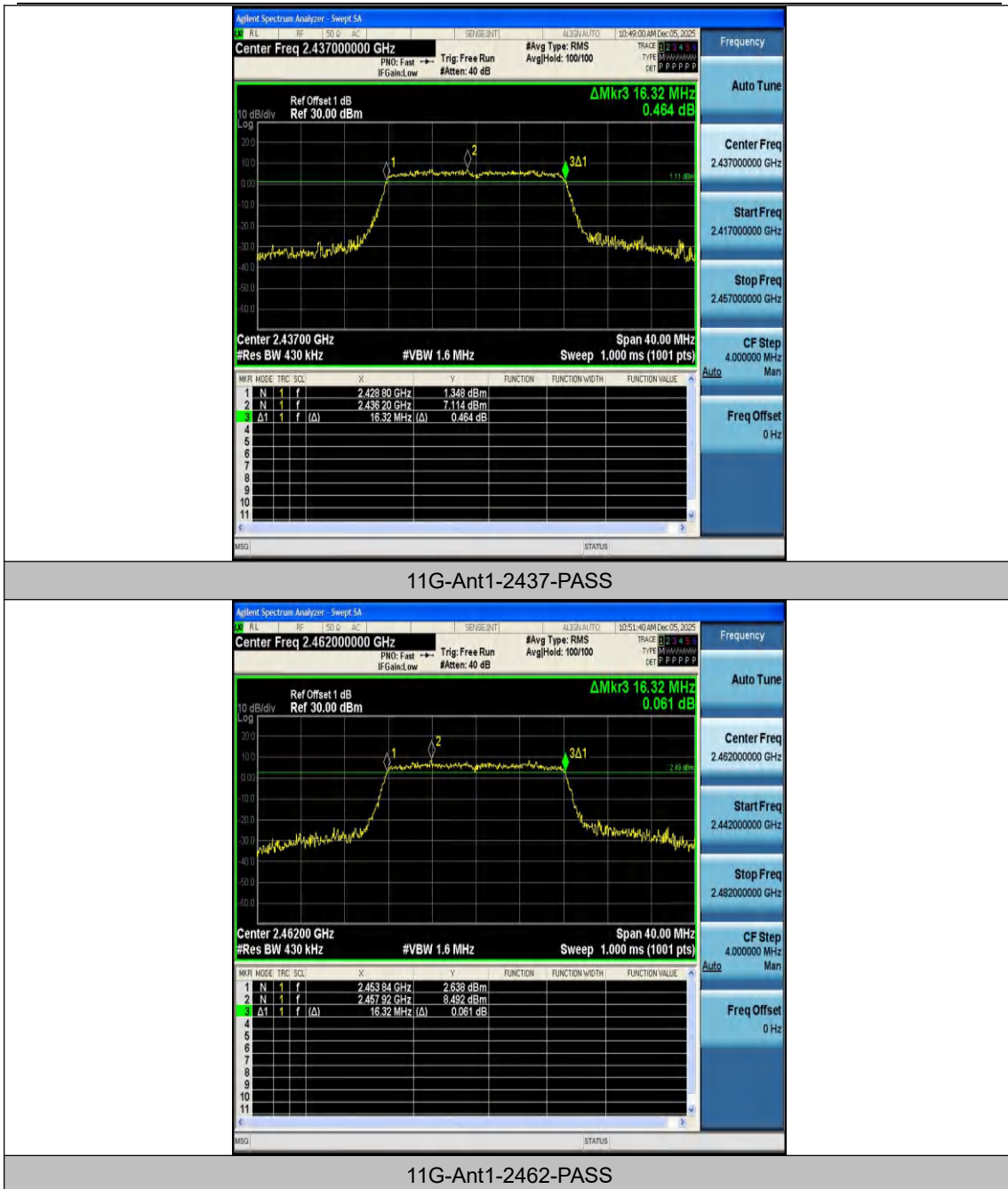
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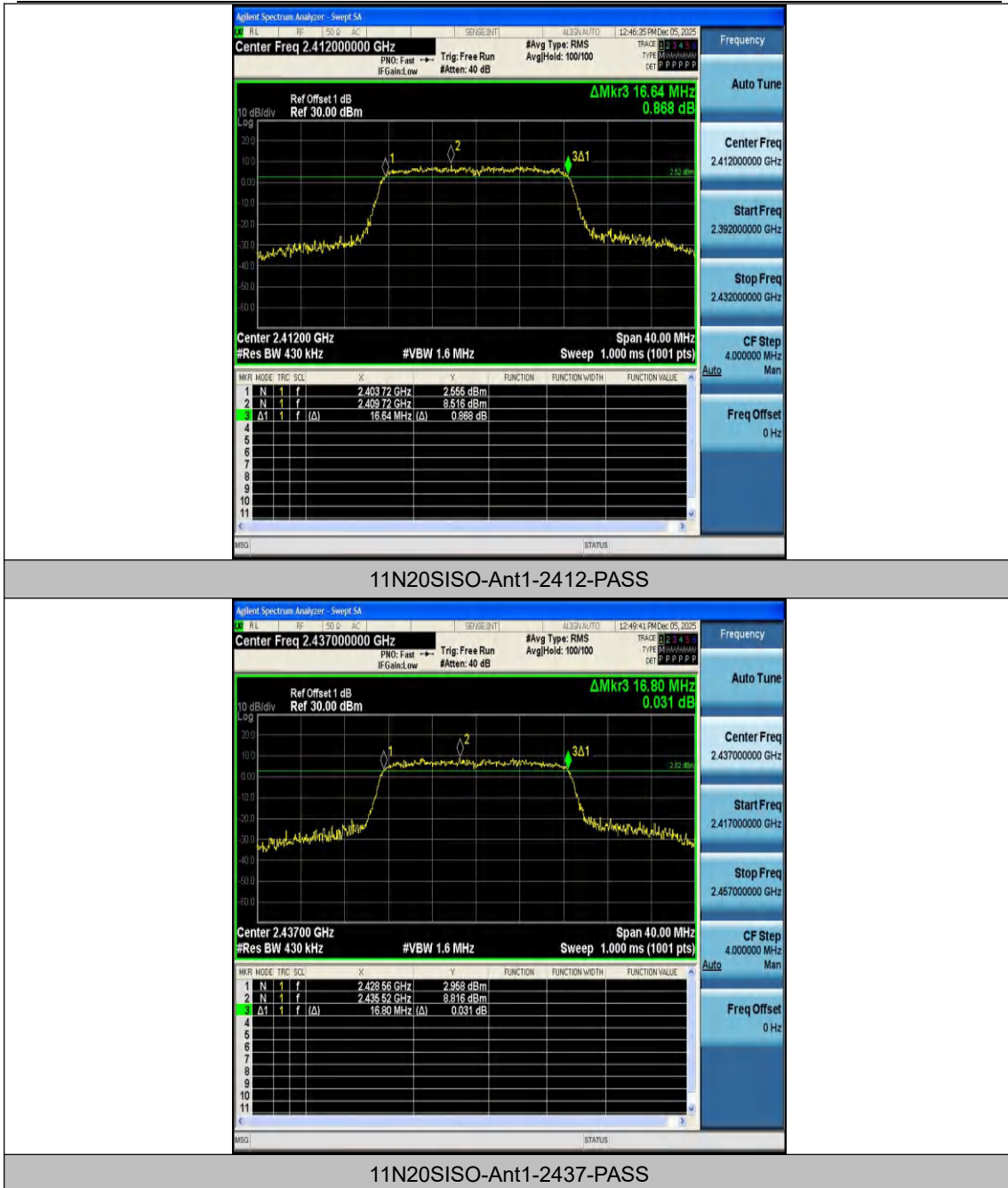
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11N20SISO-Ant1-2462-PASS

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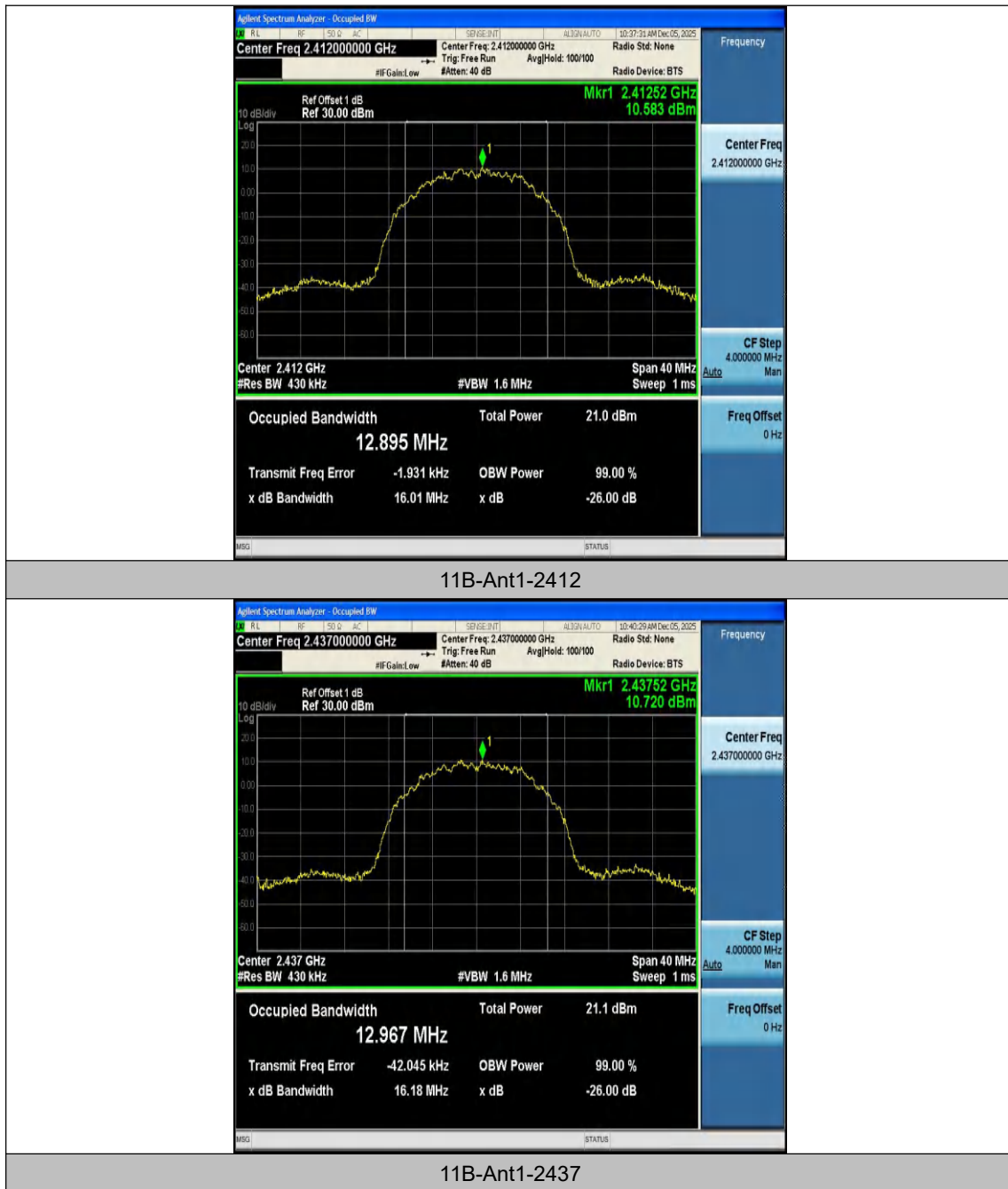
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.895	2405.5506	2418.4456	---	---
11B	Ant1	2437	12.967	2430.4745	2443.4415	---	---
11B	Ant1	2462	12.978	2455.4409	2468.4189	---	---
11G	Ant1	2412	16.467	2403.7820	2420.2490	---	---
11G	Ant1	2437	16.476	2428.7757	2445.2517	---	---
11G	Ant1	2462	16.468	2453.7673	2470.2353	---	---
11N20SISO	Ant1	2412	17.186	2403.4200	2420.6060	---	---
11N20SISO	Ant1	2437	17.228	2428.3995	2445.6275	---	---
11N20SISO	Ant1	2462	17.271	2453.3656	2470.6366	---	---

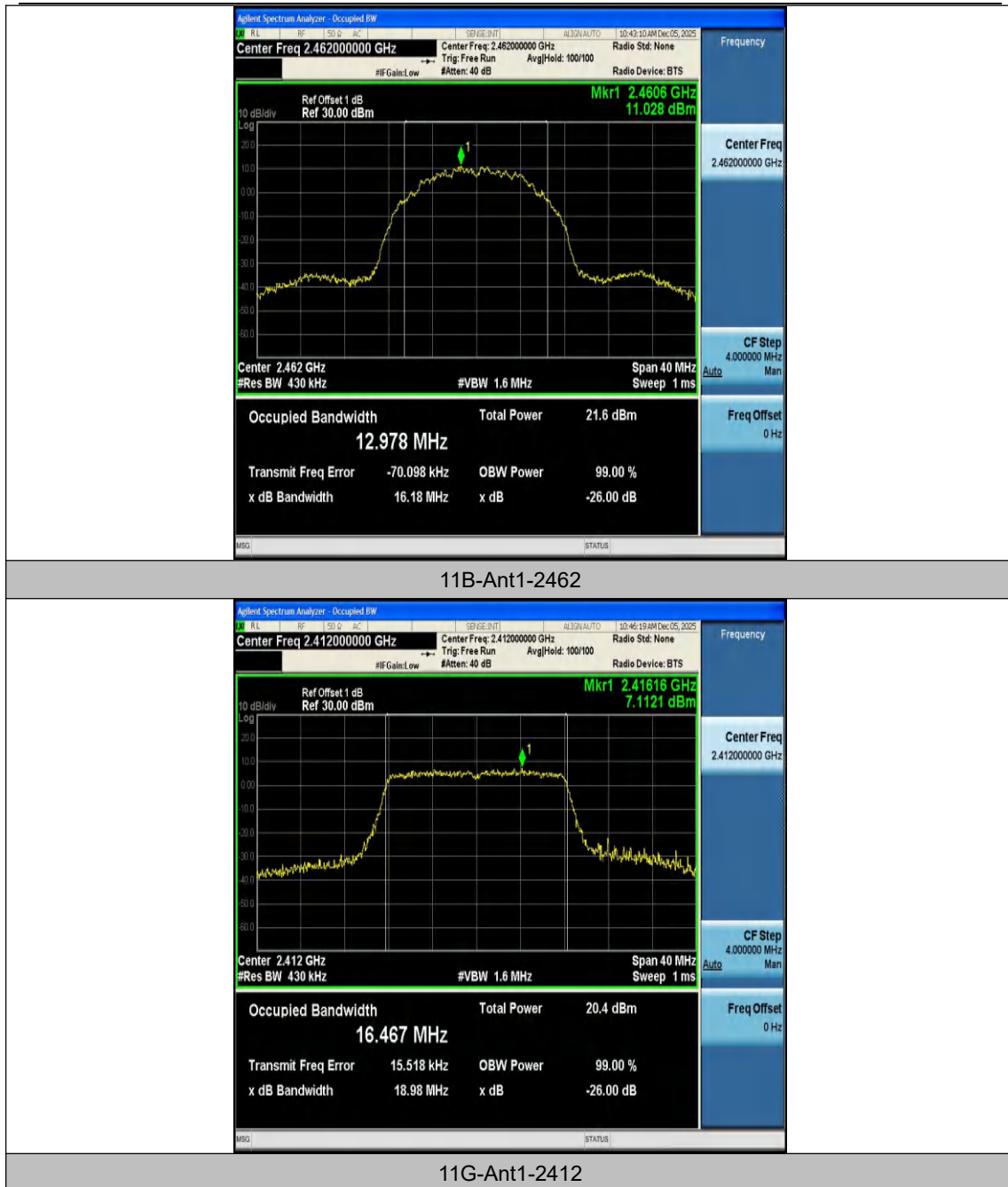
Test Graphs



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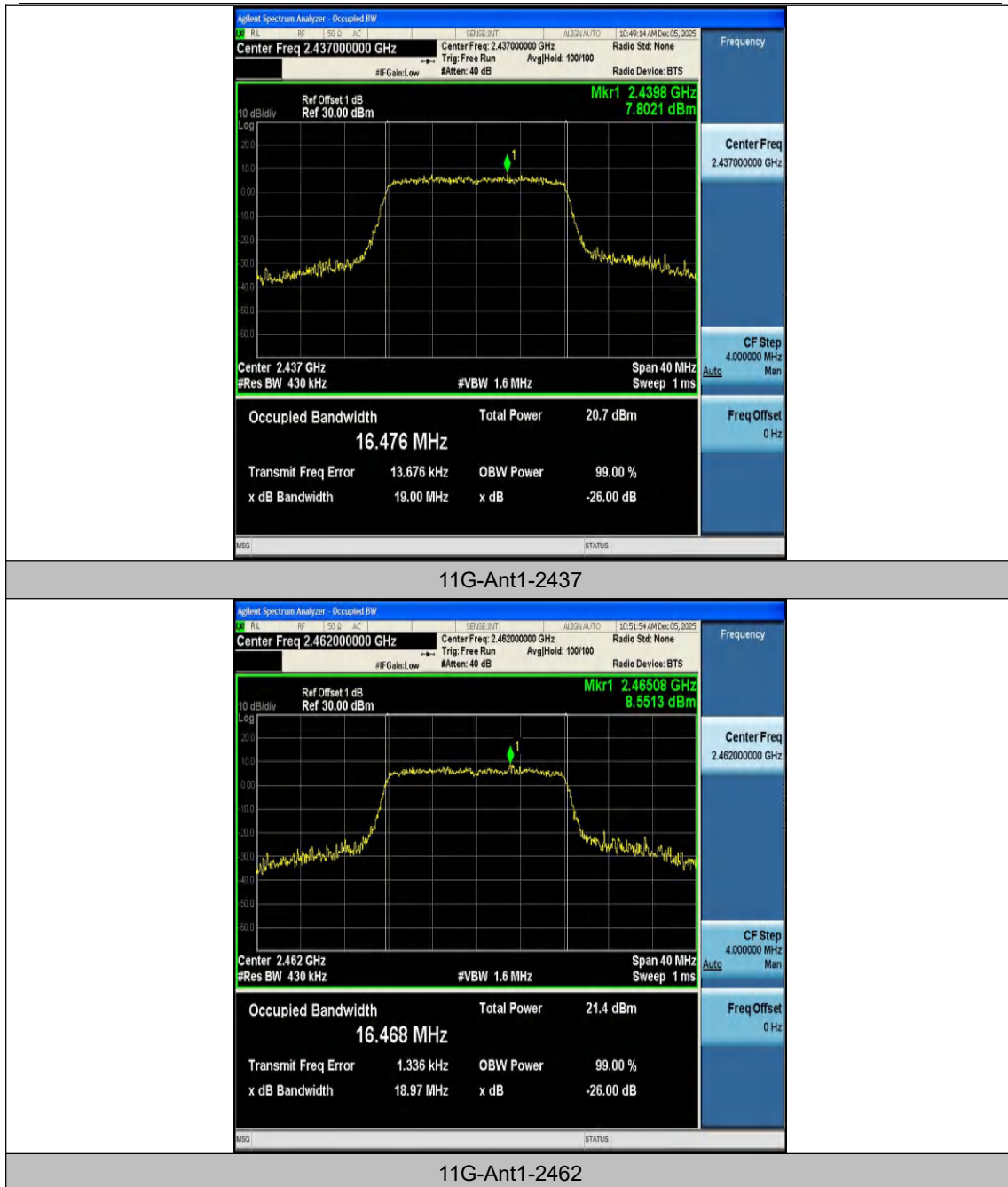
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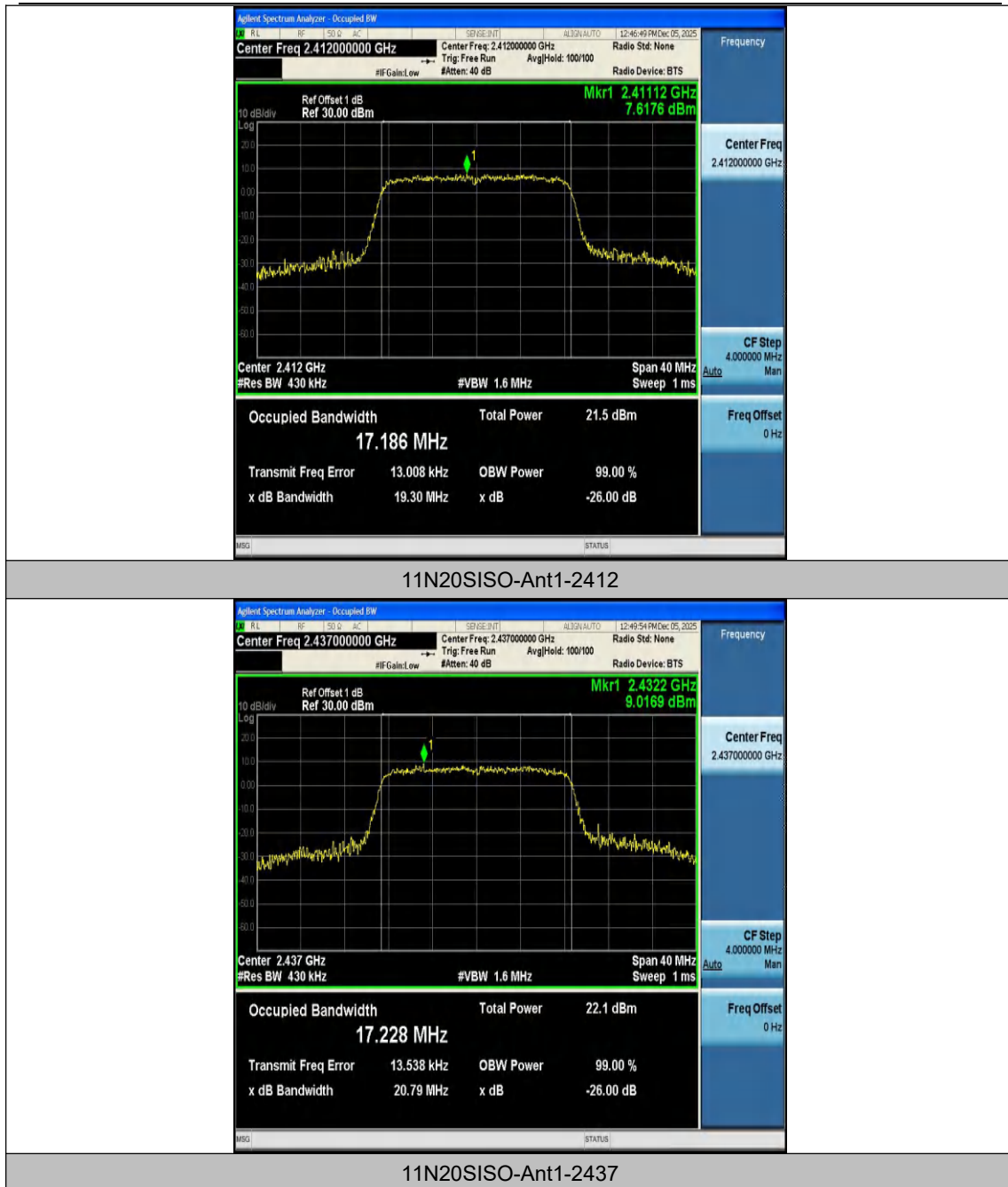
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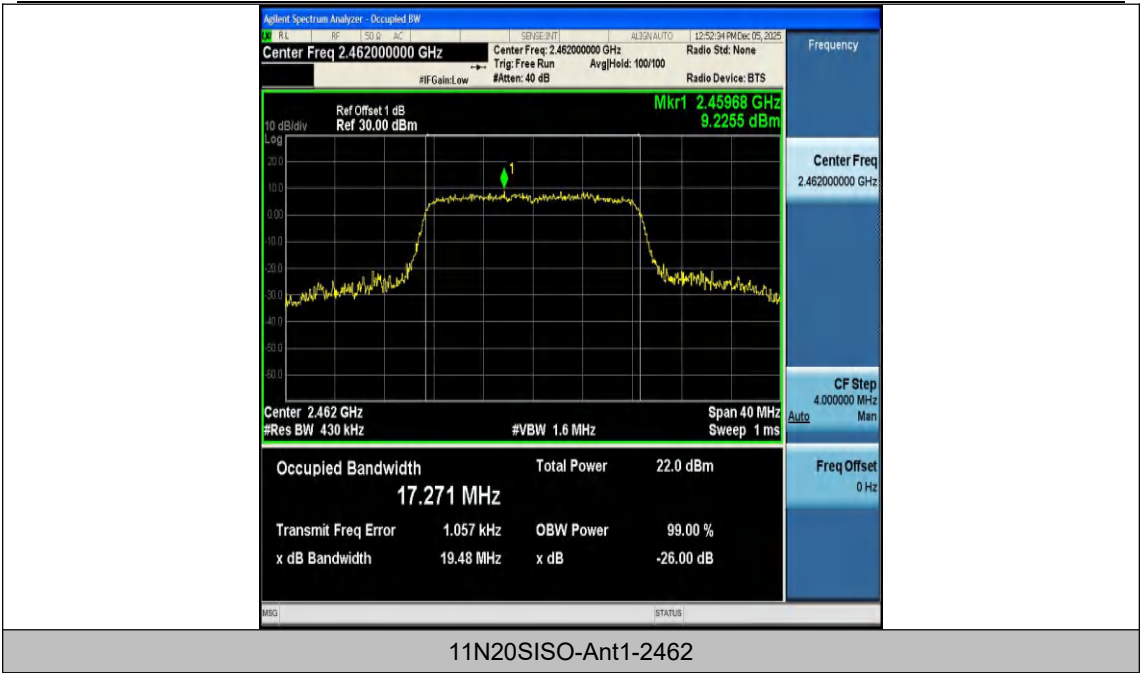
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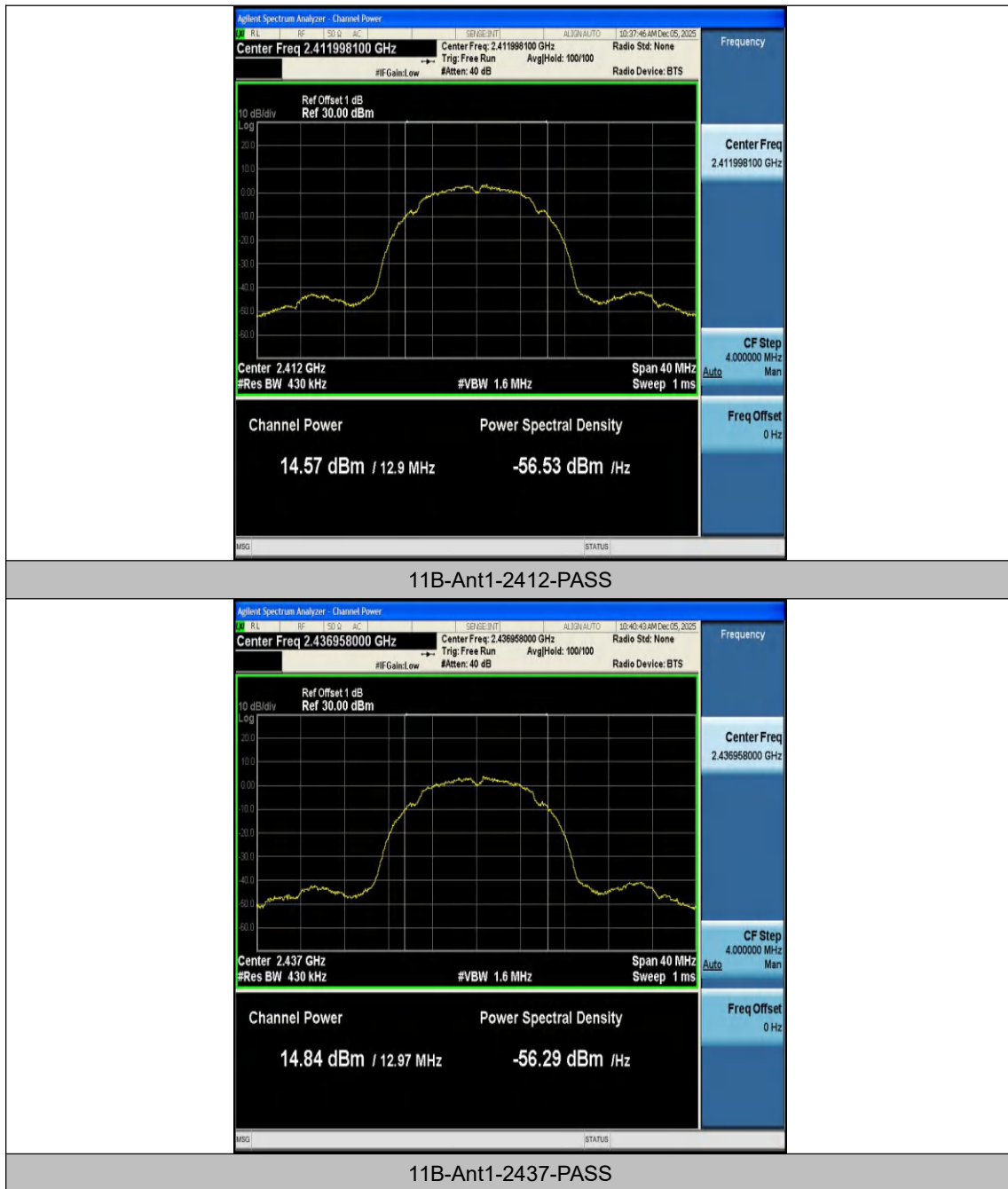
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.57	100.00	0.00	14.57	≤30.00	PASS
11B	Ant1	2437	14.84	100.00	0.00	14.84	≤30.00	PASS
11B	Ant1	2462	15.27	100.00	0.00	15.27	≤30.00	PASS
11G	Ant1	2412	14.25	100.00	0.00	14.25	≤30.00	PASS
11G	Ant1	2437	14.59	100.00	0.00	14.59	≤30.00	PASS
11G	Ant1	2462	15.19	100.00	0.00	15.19	≤30.00	PASS
11N20SI SO	Ant1	2412	15.32	100.00	0.00	15.32	≤30.00	PASS
11N20SI SO	Ant1	2437	15.91	100.00	0.00	15.91	≤30.00	PASS
11N20SI SO	Ant1	2462	15.87	100.00	0.00	15.87	≤30.00	PASS

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

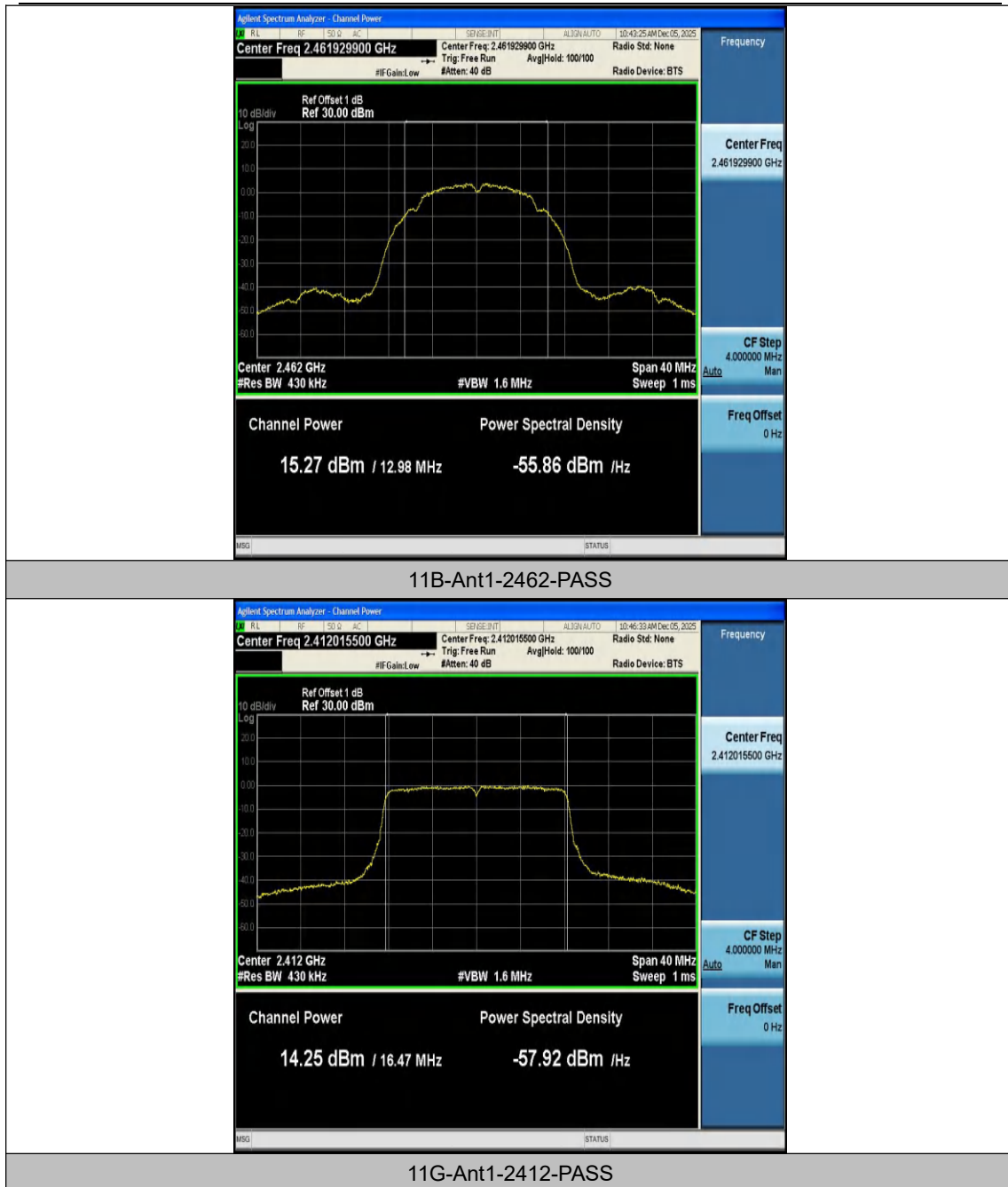
Test Graphs Average



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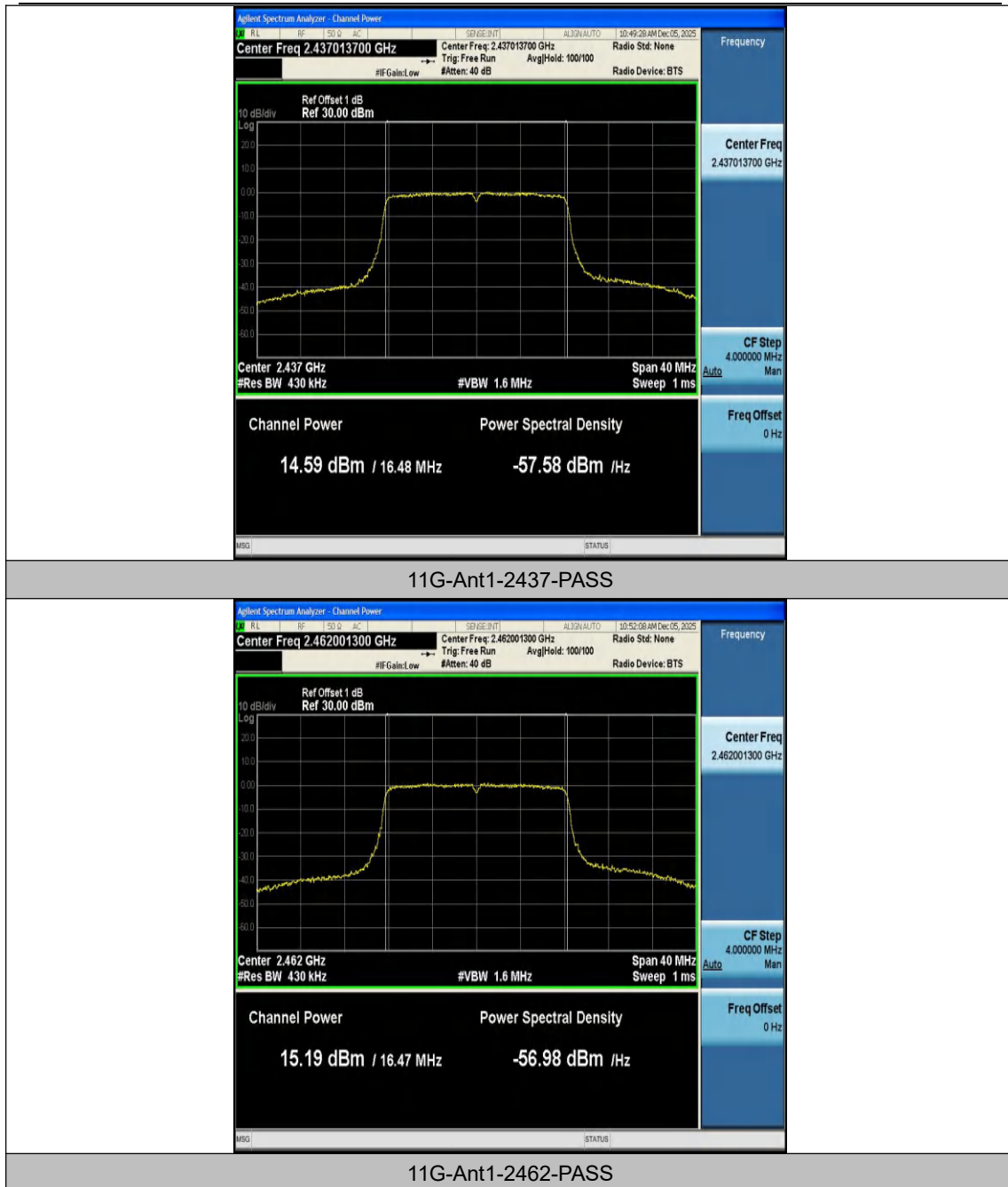
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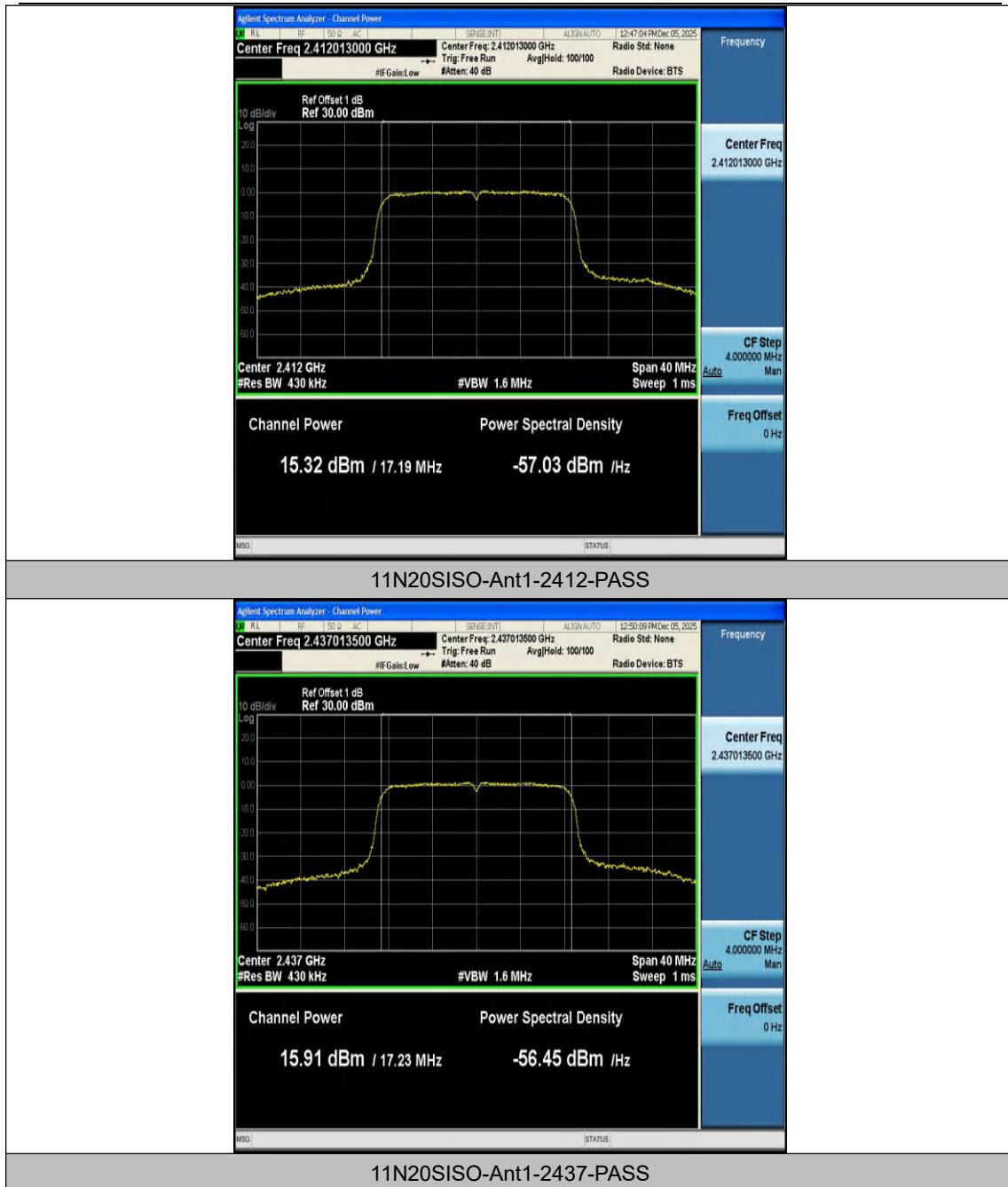
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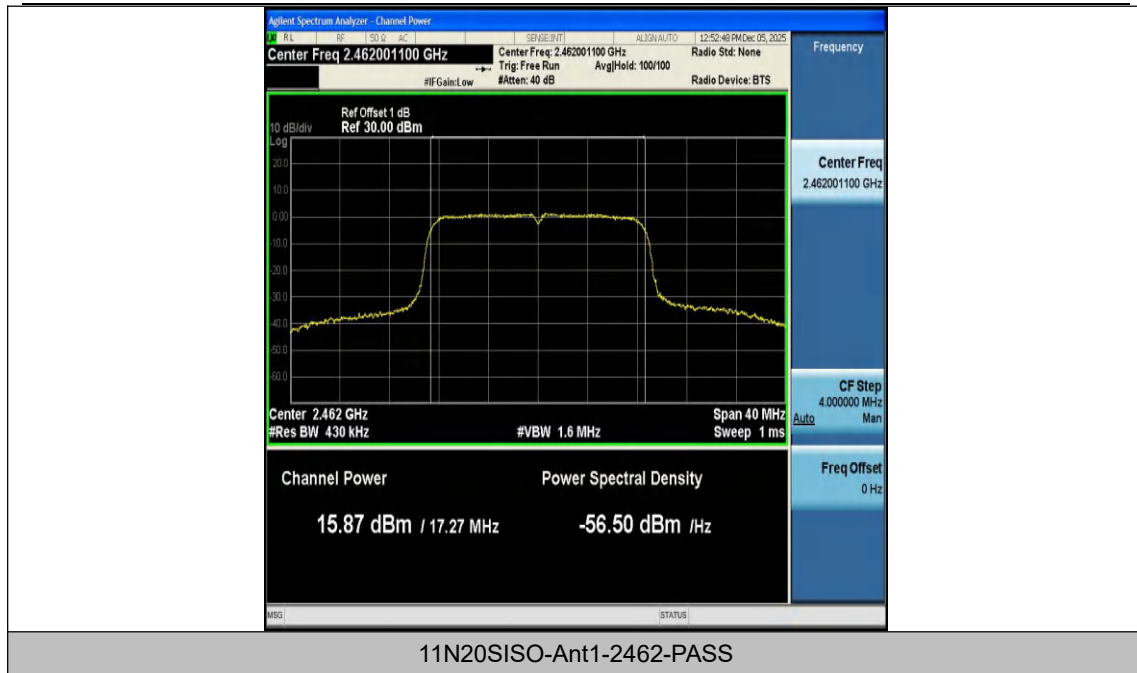
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Appendix D: Maximum power spectral density

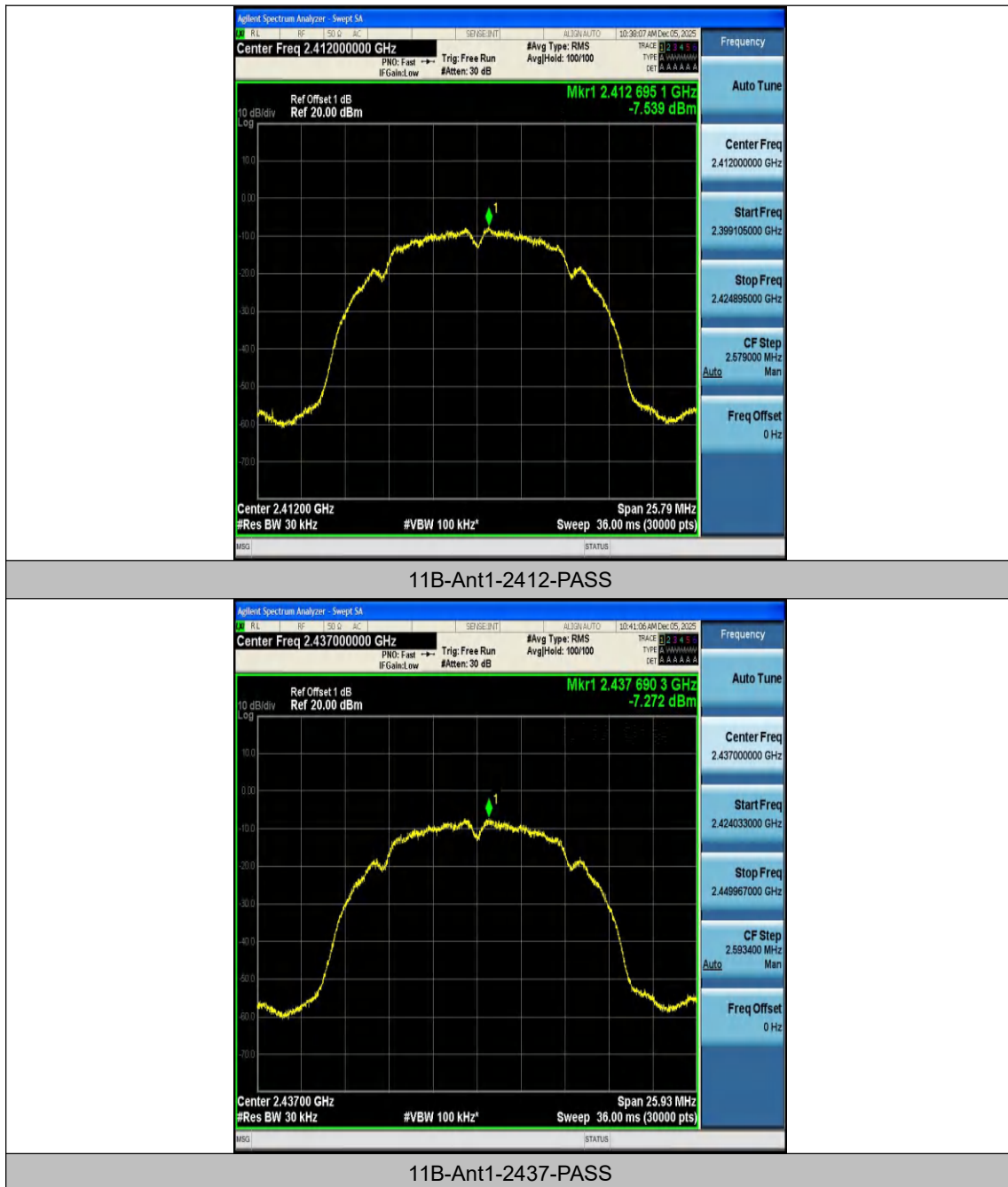
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.54	≤8.00	PASS
11B	Ant1	2437	-7.27	≤8.00	PASS
11B	Ant1	2462	-6.53	≤8.00	PASS
11G	Ant1	2412	-9.65	≤8.00	PASS
11G	Ant1	2437	-9.26	≤8.00	PASS
11G	Ant1	2462	-8.84	≤8.00	PASS
11N20SIS O	Ant1	2412	-8.55	≤8.00	PASS
11N20SIS O	Ant1	2437	-8.32	≤8.00	PASS
11N20SIS O	Ant1	2462	-8.05	≤8.00	PASS

Note:

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

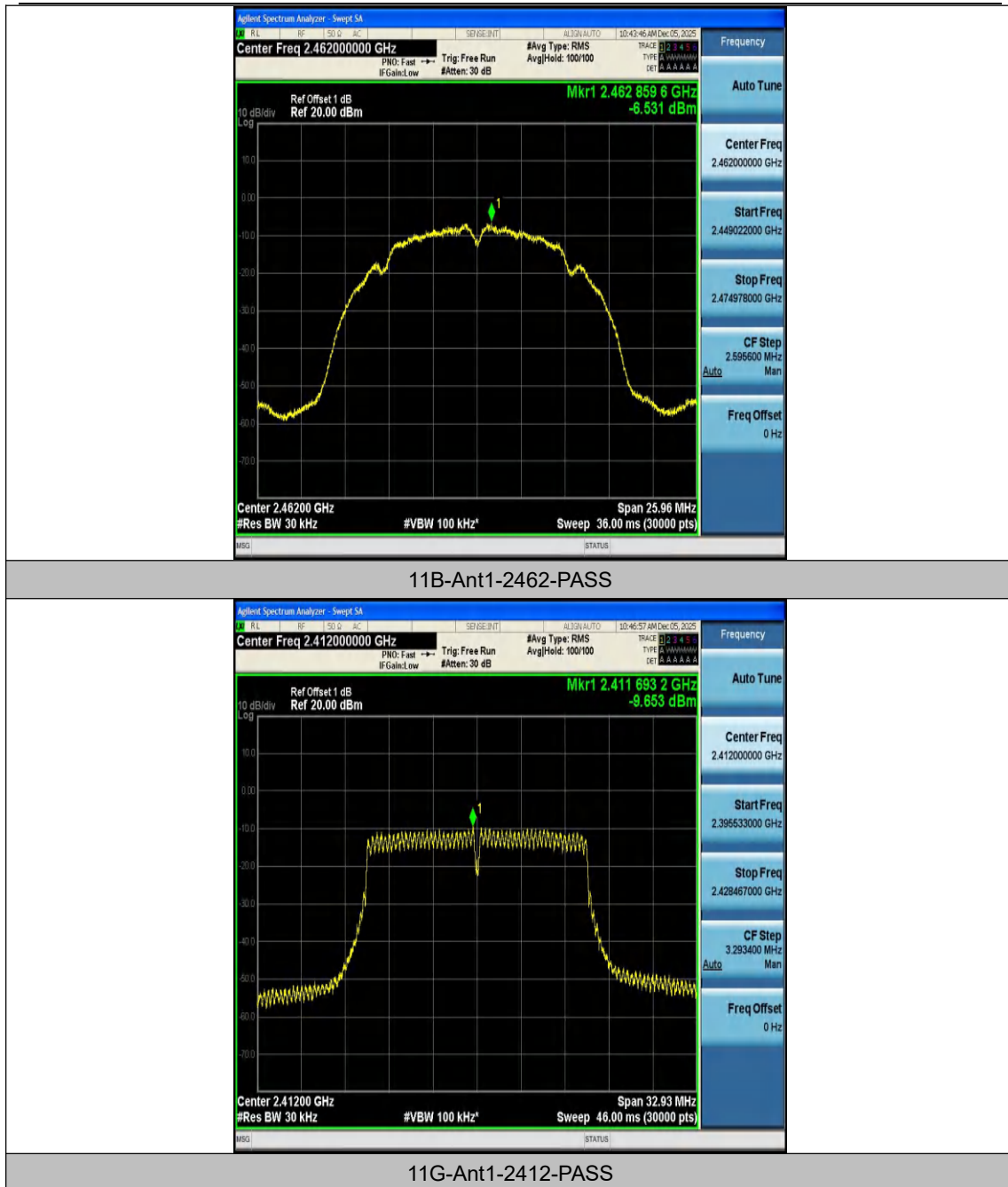
Test Graphs



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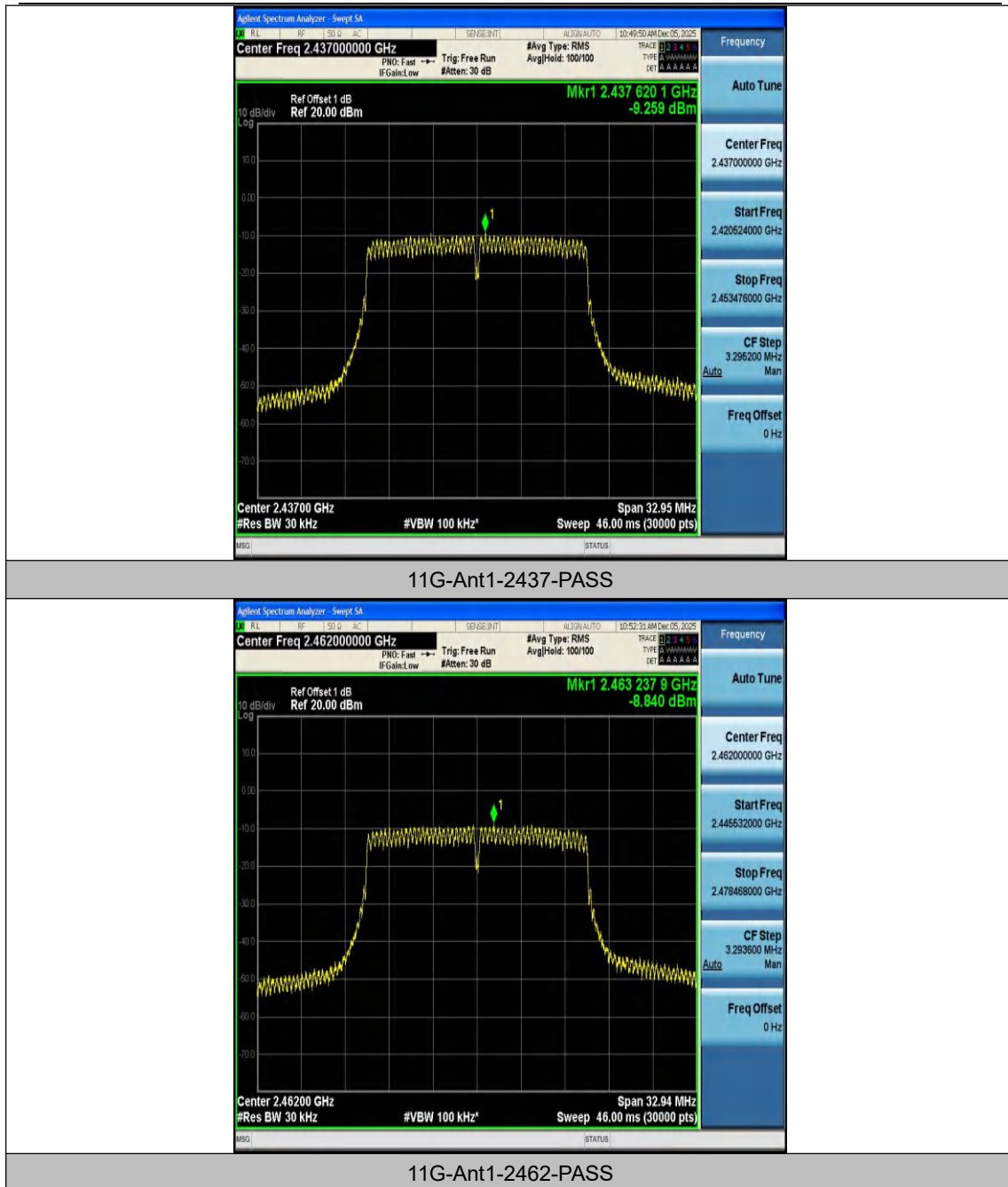
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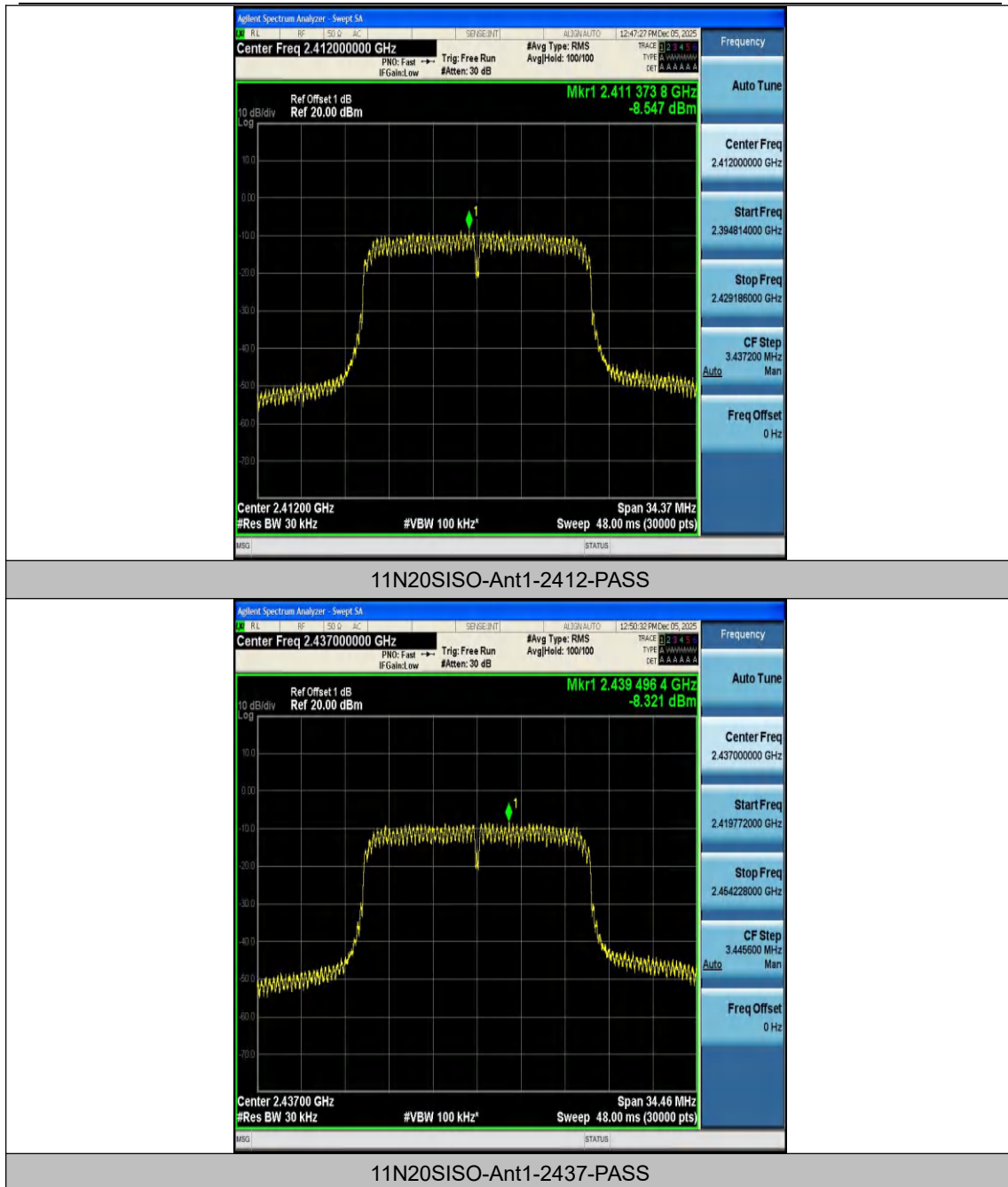
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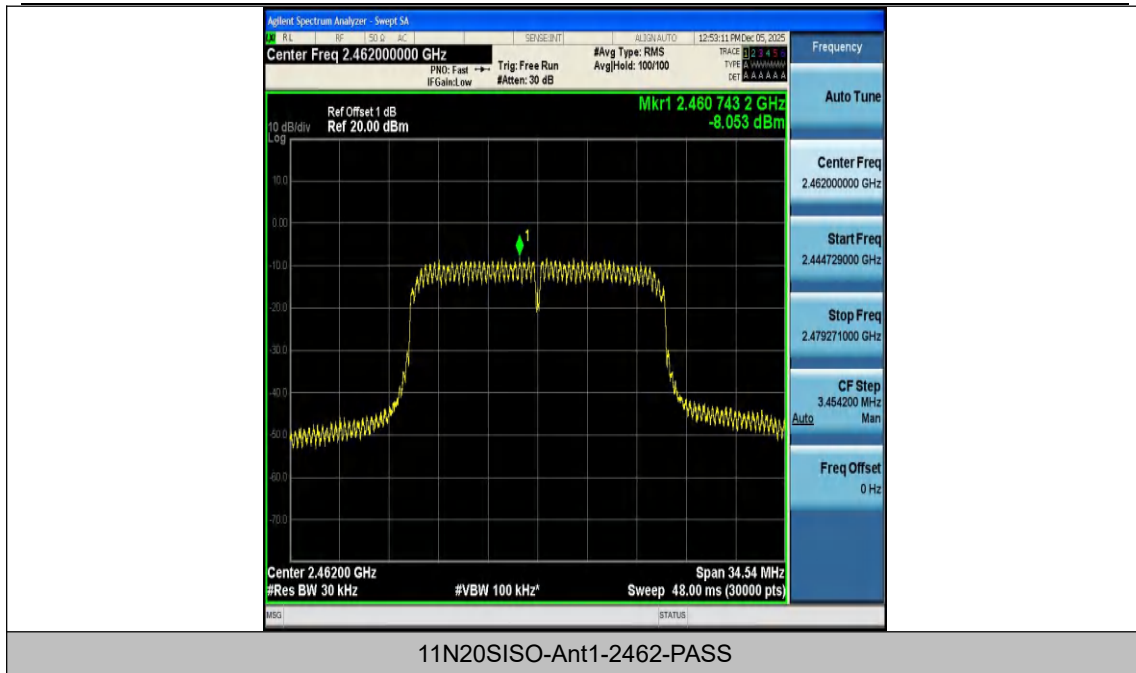
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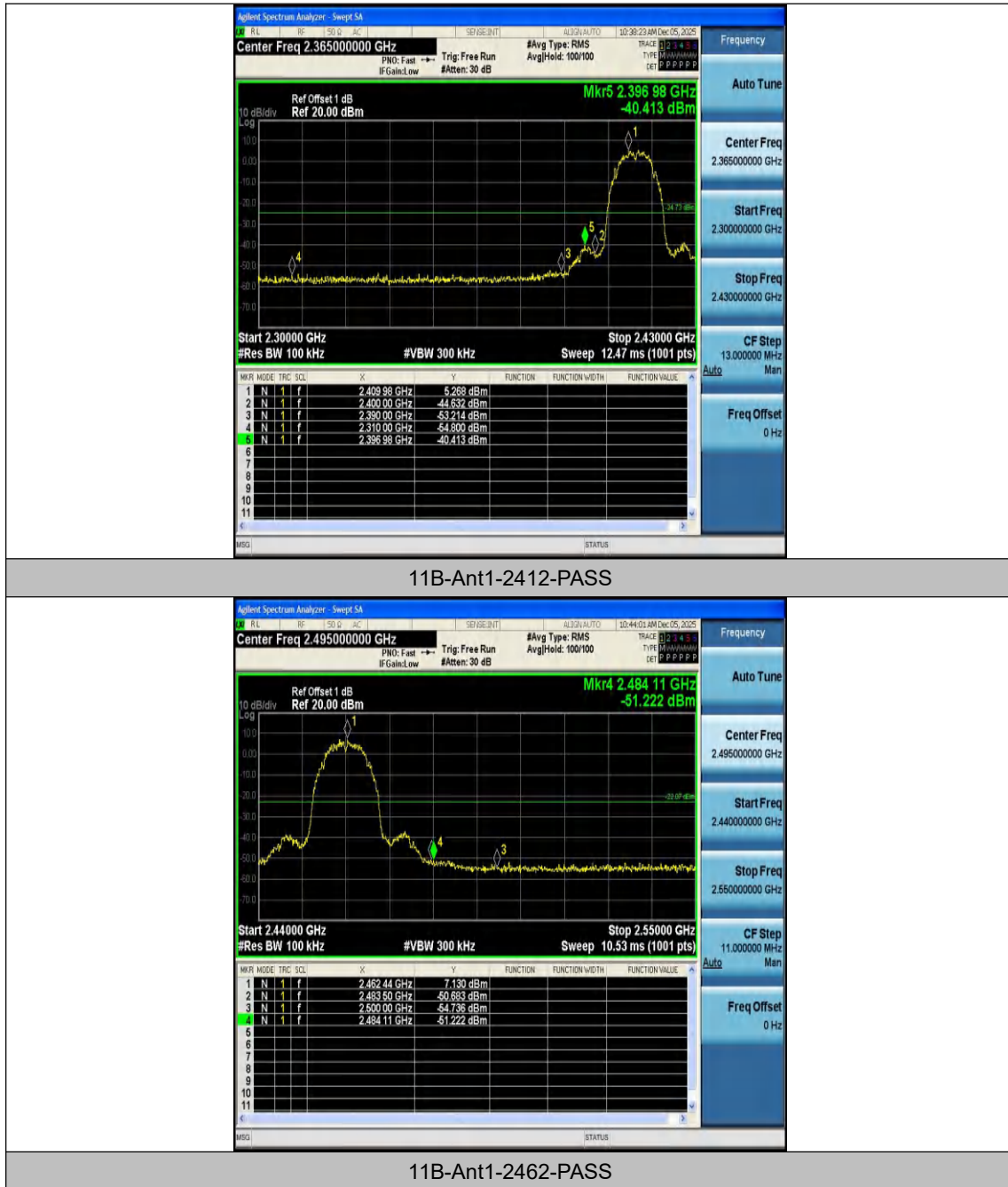
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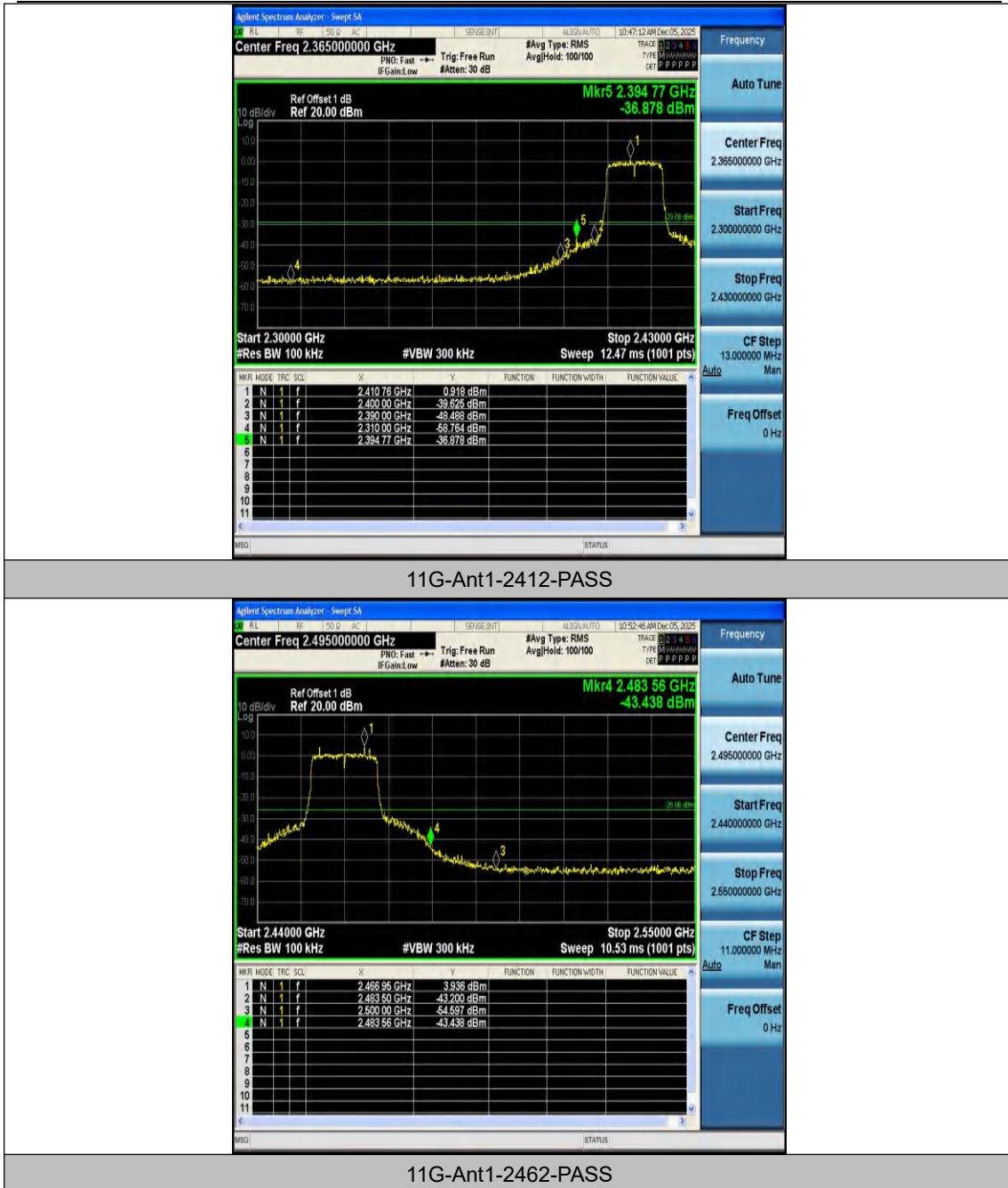
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.27	-40.41	≤-24.73	PASS
11B	Ant1	High	2462	7.13	-51.22	≤-22.87	PASS
11G	Ant1	Low	2412	0.92	-36.88	≤-29.08	PASS
11G	Ant1	High	2462	3.94	-43.44	≤-26.06	PASS
11N20SISO	Ant1	Low	2412	1.45	-35.12	≤-28.55	PASS
11N20SISO	Ant1	High	2462	3.88	-38.57	≤-26.12	PASS

Test Graphs

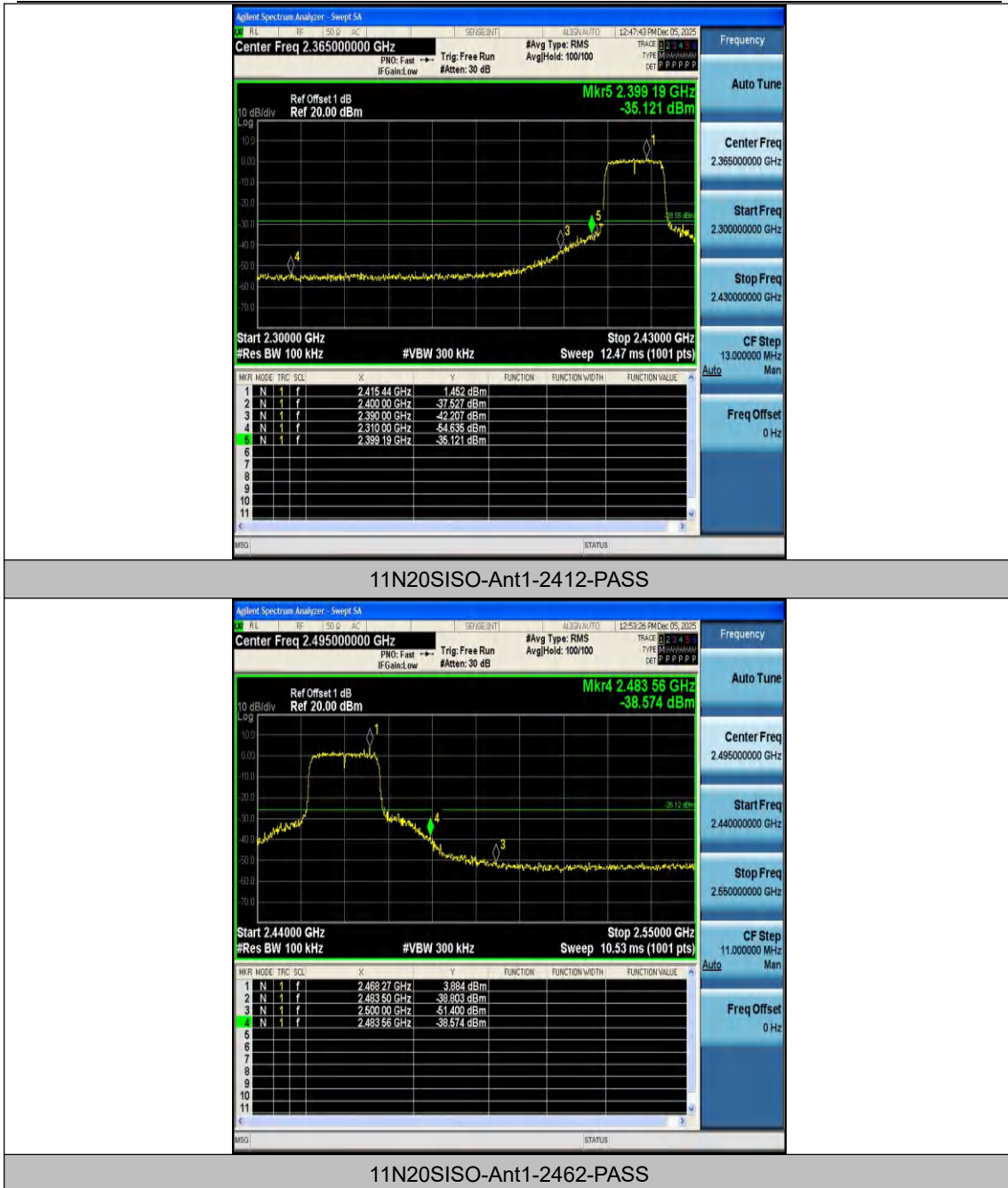




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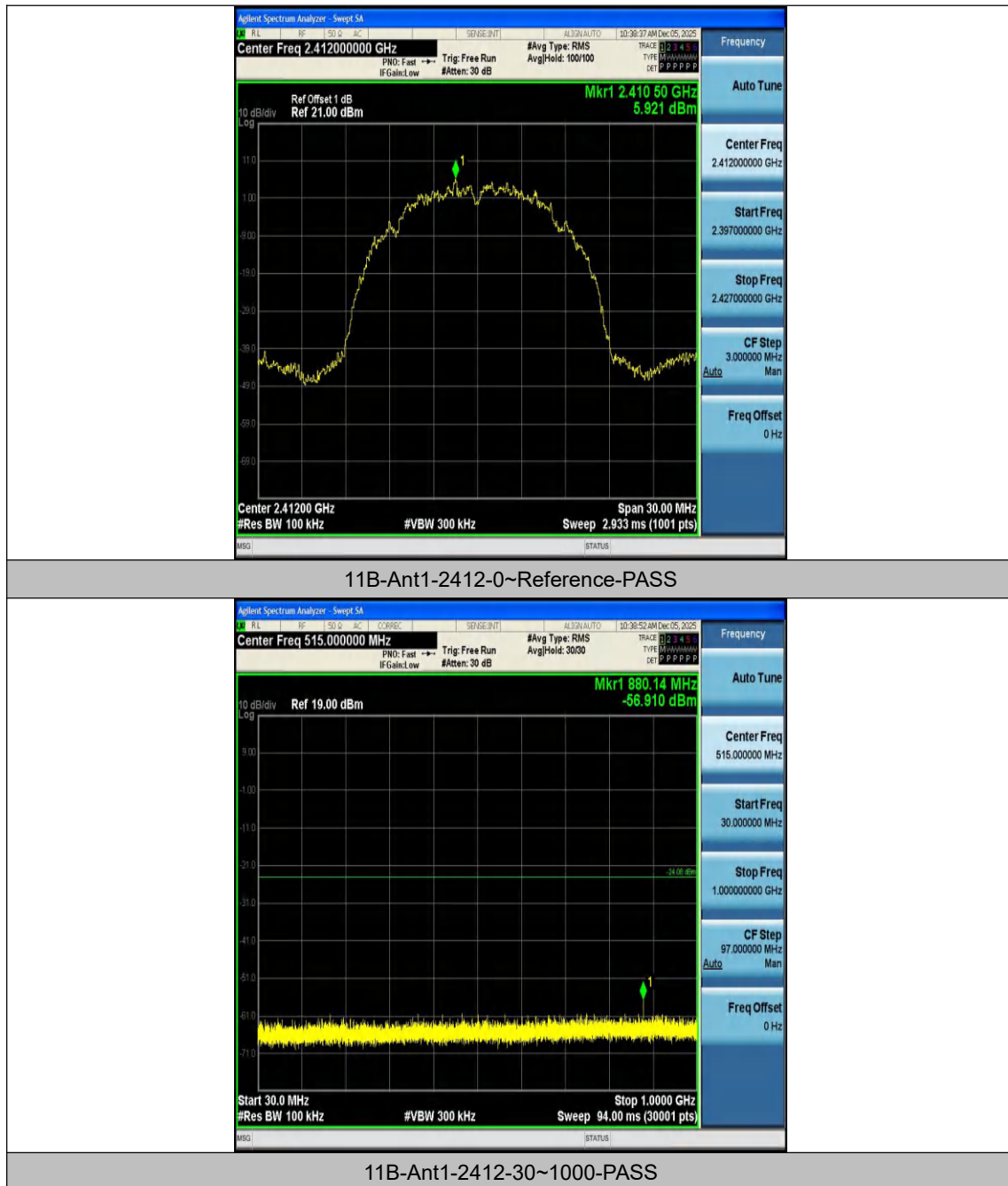
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.92	5.92	---	PASS
11B	Ant1	2412	30~1000	5.92	-56.91	≤-24.08	PASS
11B	Ant1	2412	1000~26500	5.92	-41.74	≤-24.08	PASS
11B	Ant1	2437	0~Reference	7.02	7.02	---	PASS
11B	Ant1	2437	30~1000	7.02	-59.73	≤-22.98	PASS
11B	Ant1	2437	1000~26500	7.02	-42.55	≤-22.98	PASS
11B	Ant1	2462	0~Reference	7.44	7.44	---	PASS
11B	Ant1	2462	30~1000	7.44	-58.82	≤-22.56	PASS
11B	Ant1	2462	1000~26500	7.44	-41.61	≤-22.56	PASS
11G	Ant1	2412	0~Reference	2.17	2.17	---	PASS
11G	Ant1	2412	30~1000	2.17	-57.84	≤-27.83	PASS
11G	Ant1	2412	1000~26500	2.17	-41.39	≤-27.83	PASS
11G	Ant1	2437	0~Reference	3.14	3.14	---	PASS
11G	Ant1	2437	30~1000	3.14	-57.12	≤-26.86	PASS
11G	Ant1	2437	1000~26500	3.14	-42.37	≤-26.86	PASS
11G	Ant1	2462	0~Reference	3.70	3.70	---	PASS
11G	Ant1	2462	30~1000	3.70	-59.32	≤-26.3	PASS
11G	Ant1	2462	1000~26500	3.70	-41.53	≤-26.3	PASS
11N20SISO	Ant1	2412	0~Reference	2.28	2.28	---	PASS
11N20SISO	Ant1	2412	30~1000	2.28	-59.84	≤-27.72	PASS
11N20SISO	Ant1	2412	1000~26500	2.28	-40.59	≤-27.72	PASS
11N20SISO	Ant1	2437	0~Reference	3.06	3.06	---	PASS
11N20SISO	Ant1	2437	30~1000	3.06	-59.55	≤-26.94	PASS
11N20SISO	Ant1	2437	1000~26500	3.06	-39.35	≤-26.94	PASS
11N20SISO	Ant1	2462	0~Reference	4.53	4.53	---	PASS
11N20SISO	Ant1	2462	30~1000	4.53	-59.74	≤-25.47	PASS
11N20SISO	Ant1	2462	1000~26500	4.53	-40.2	≤-25.47	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.

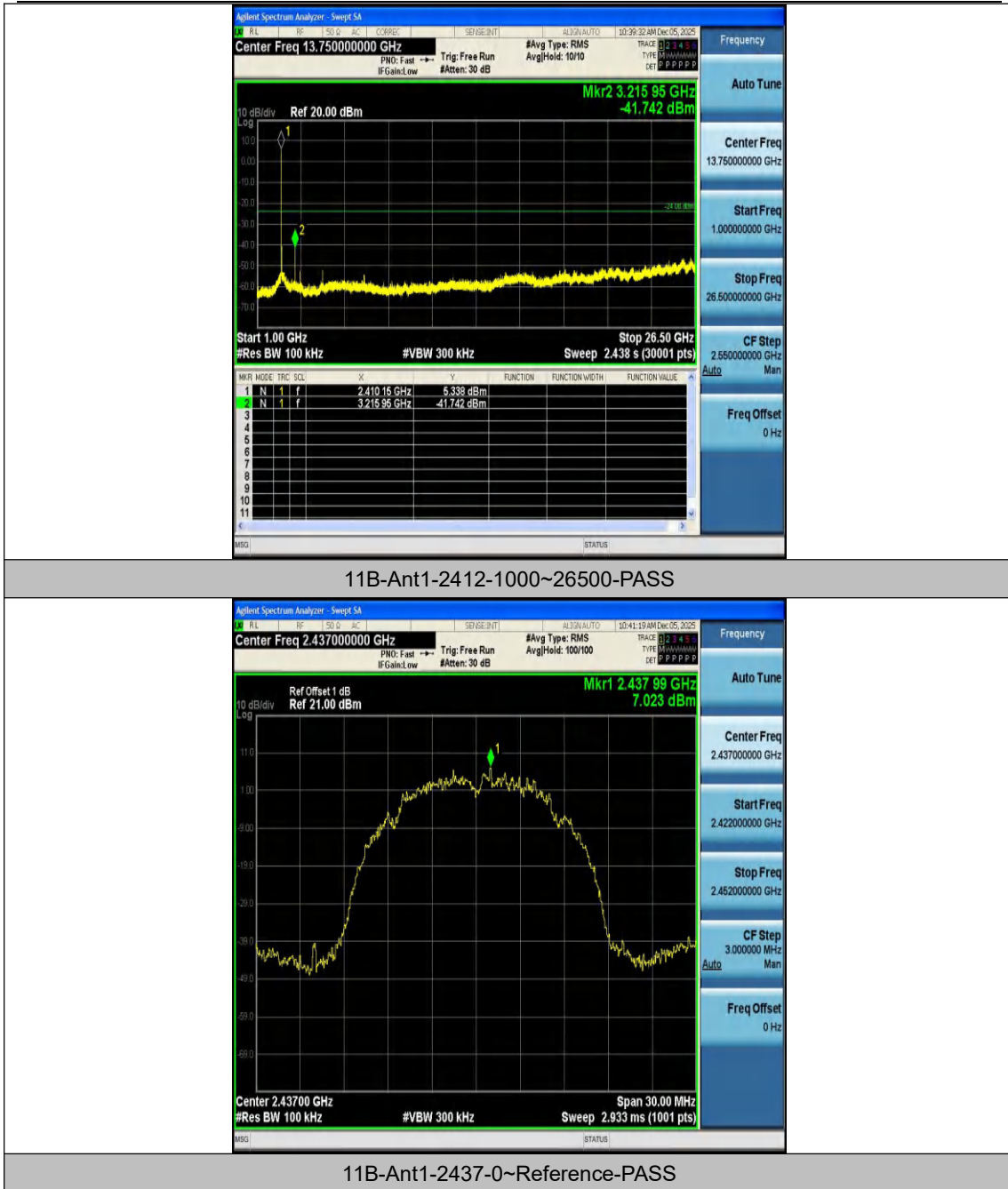
Test Graphs



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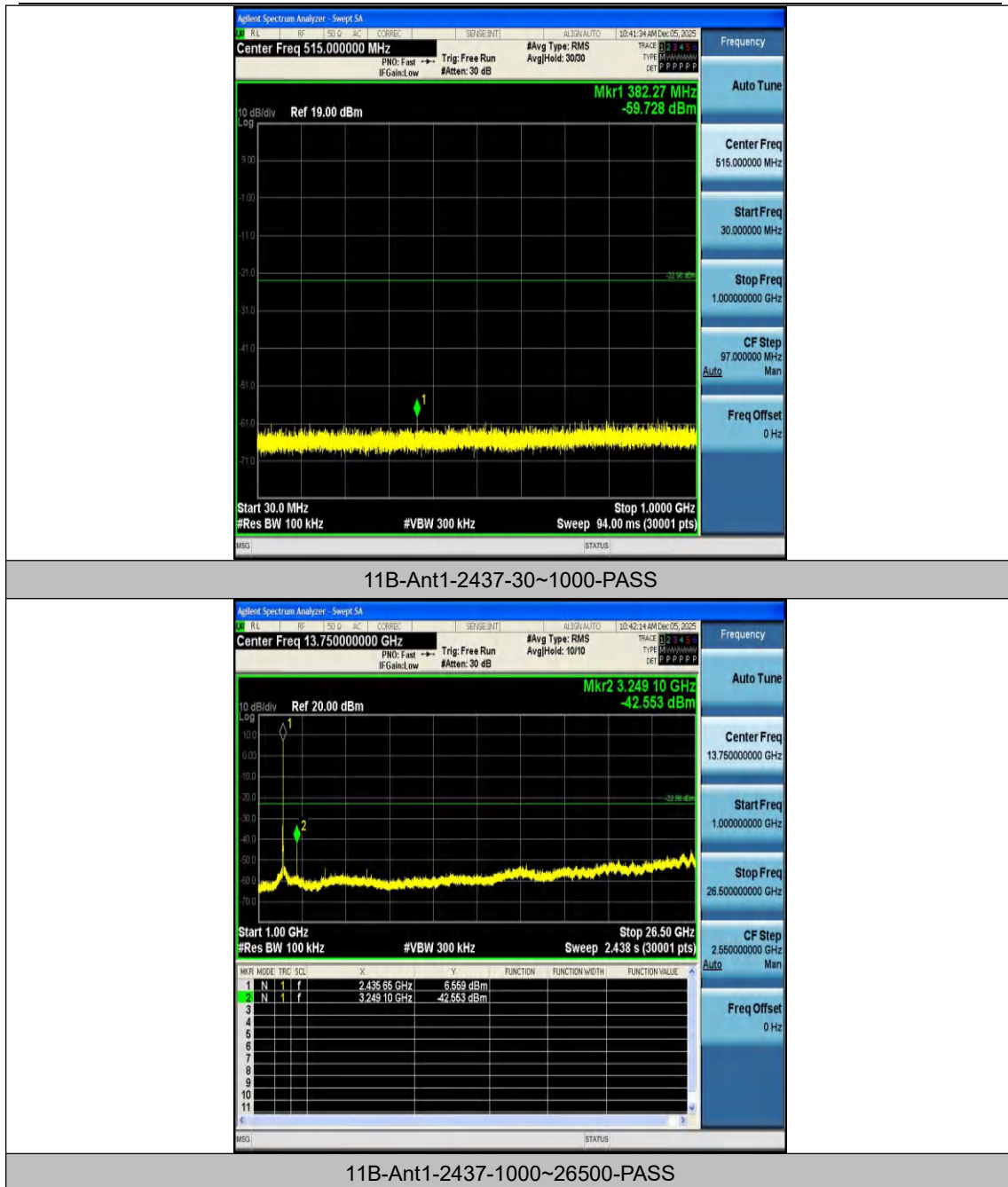
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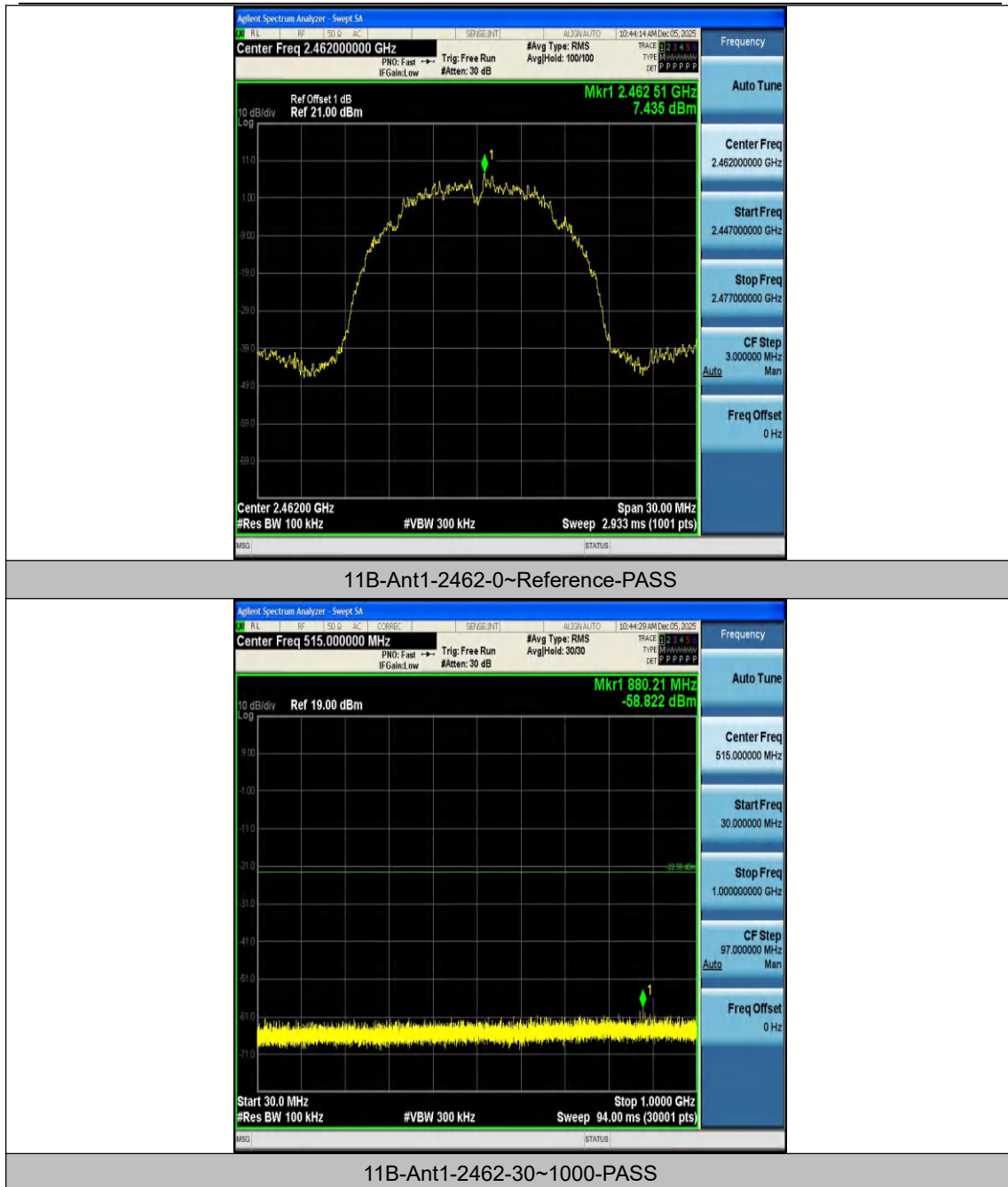
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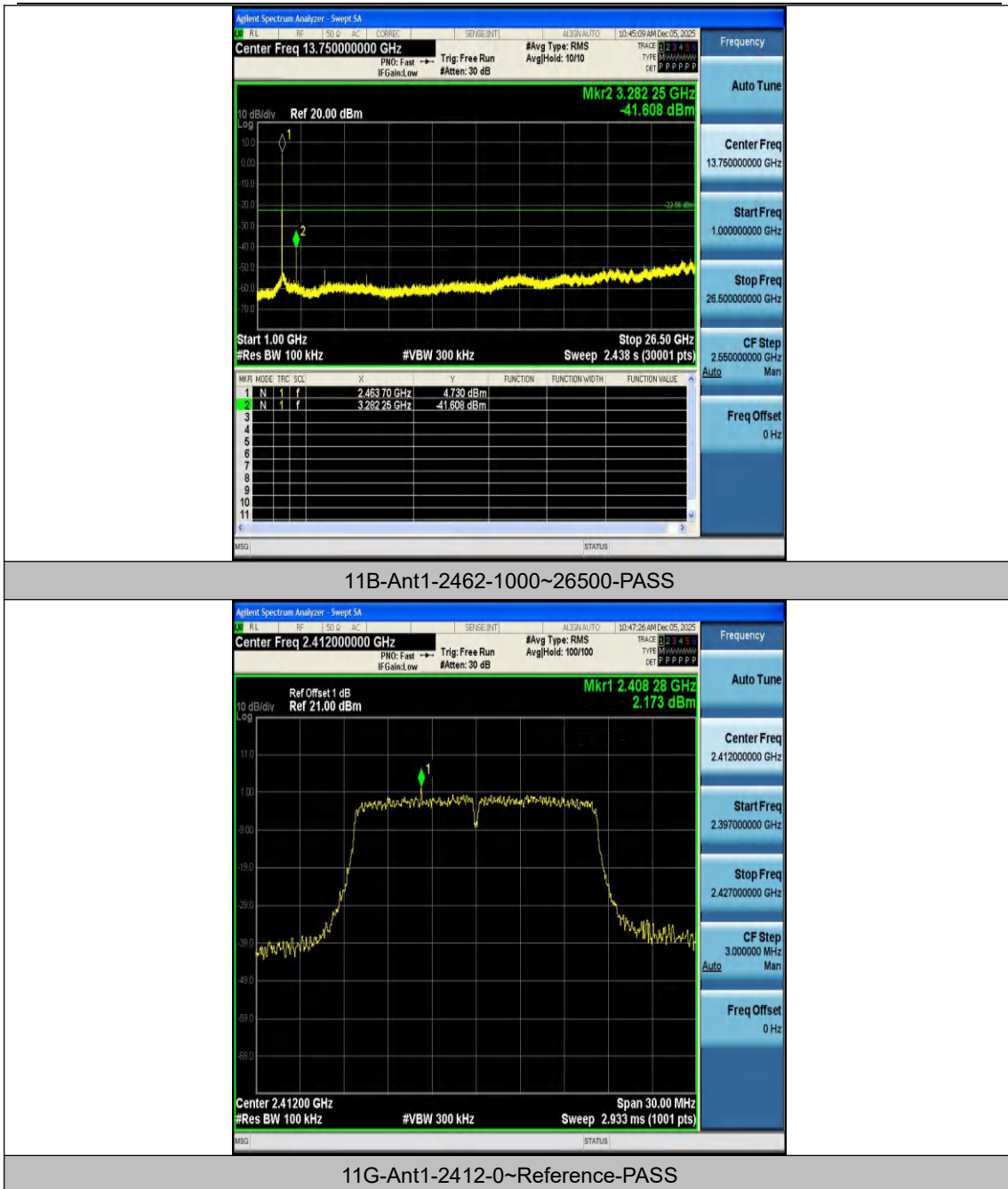
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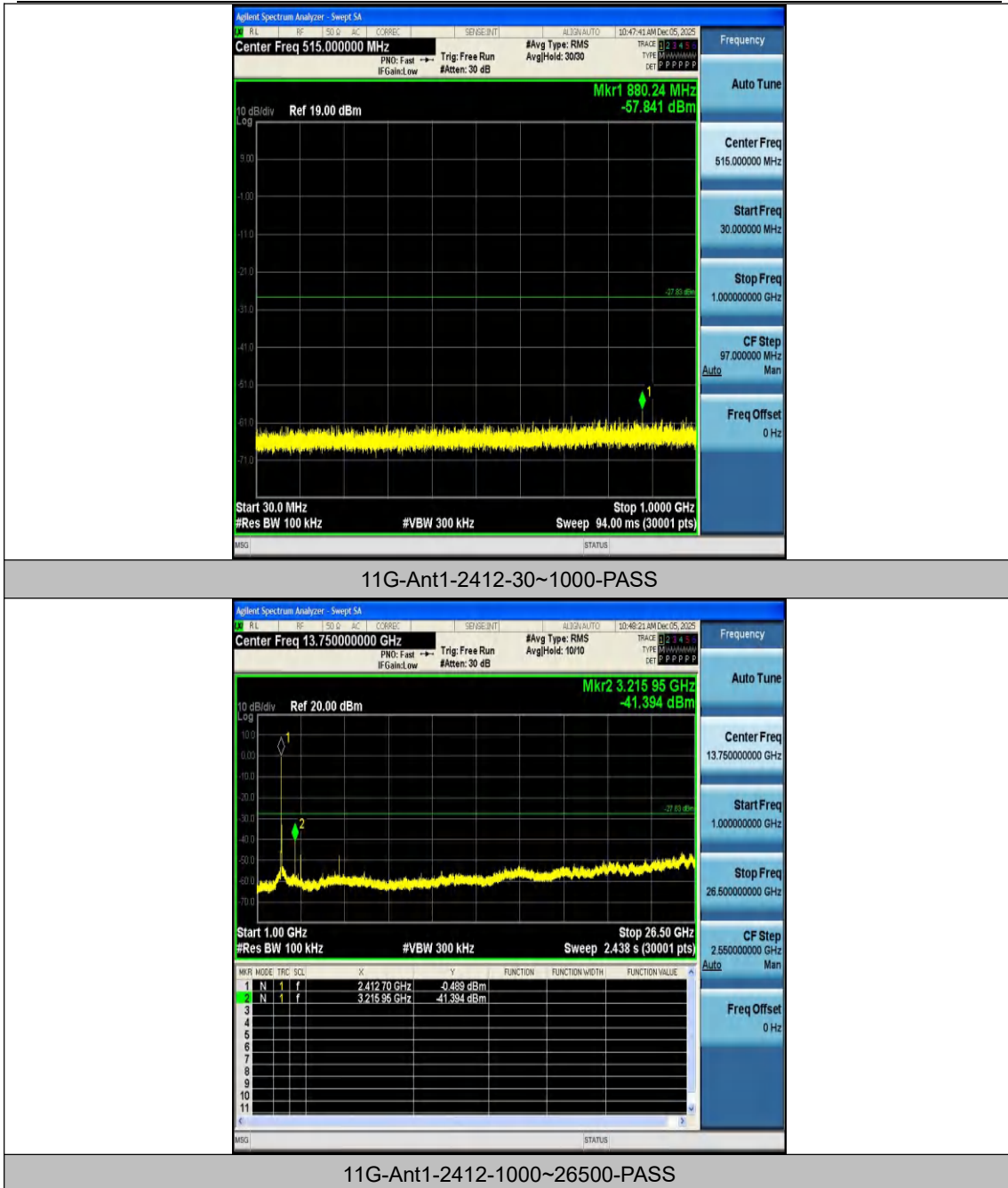
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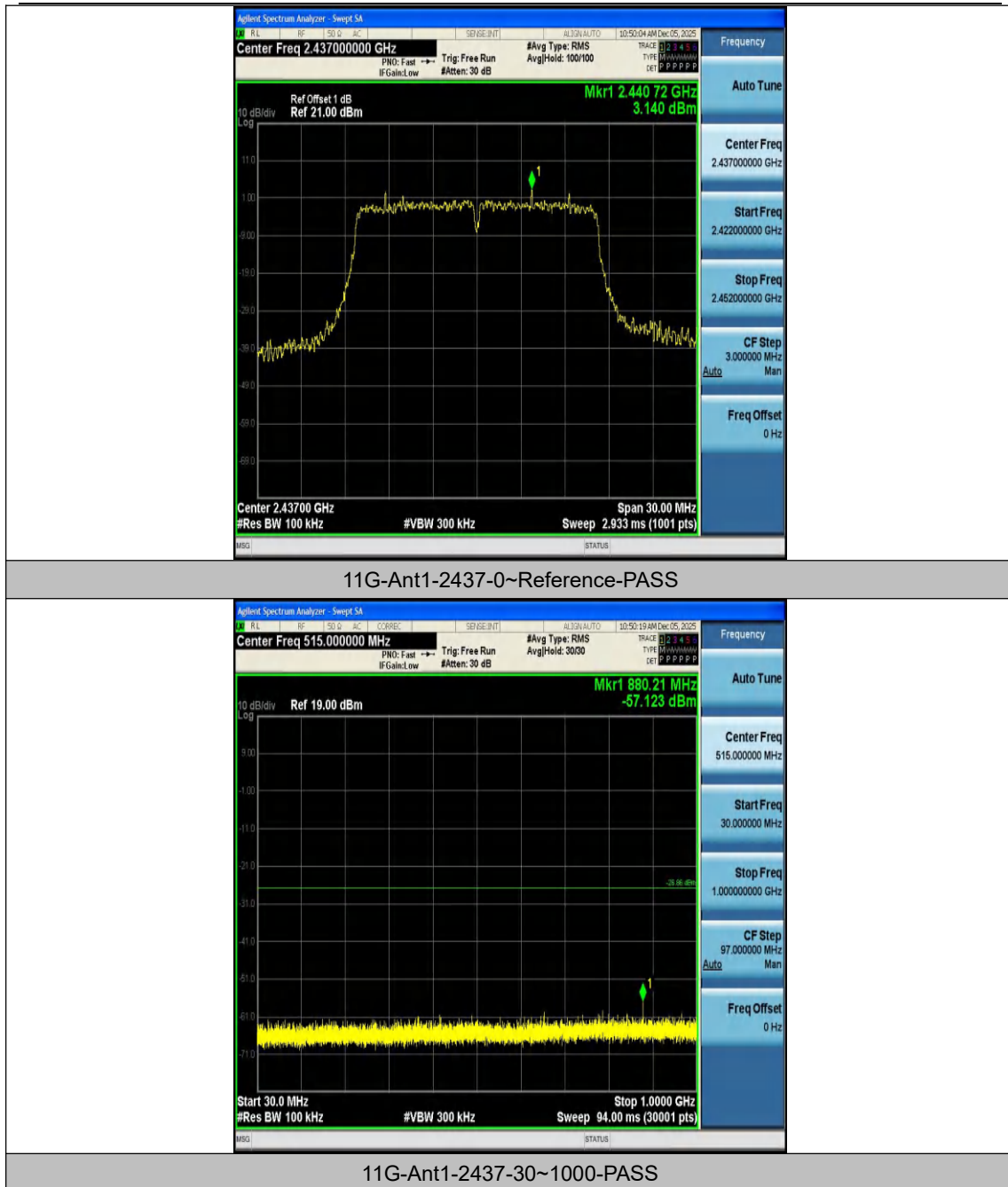
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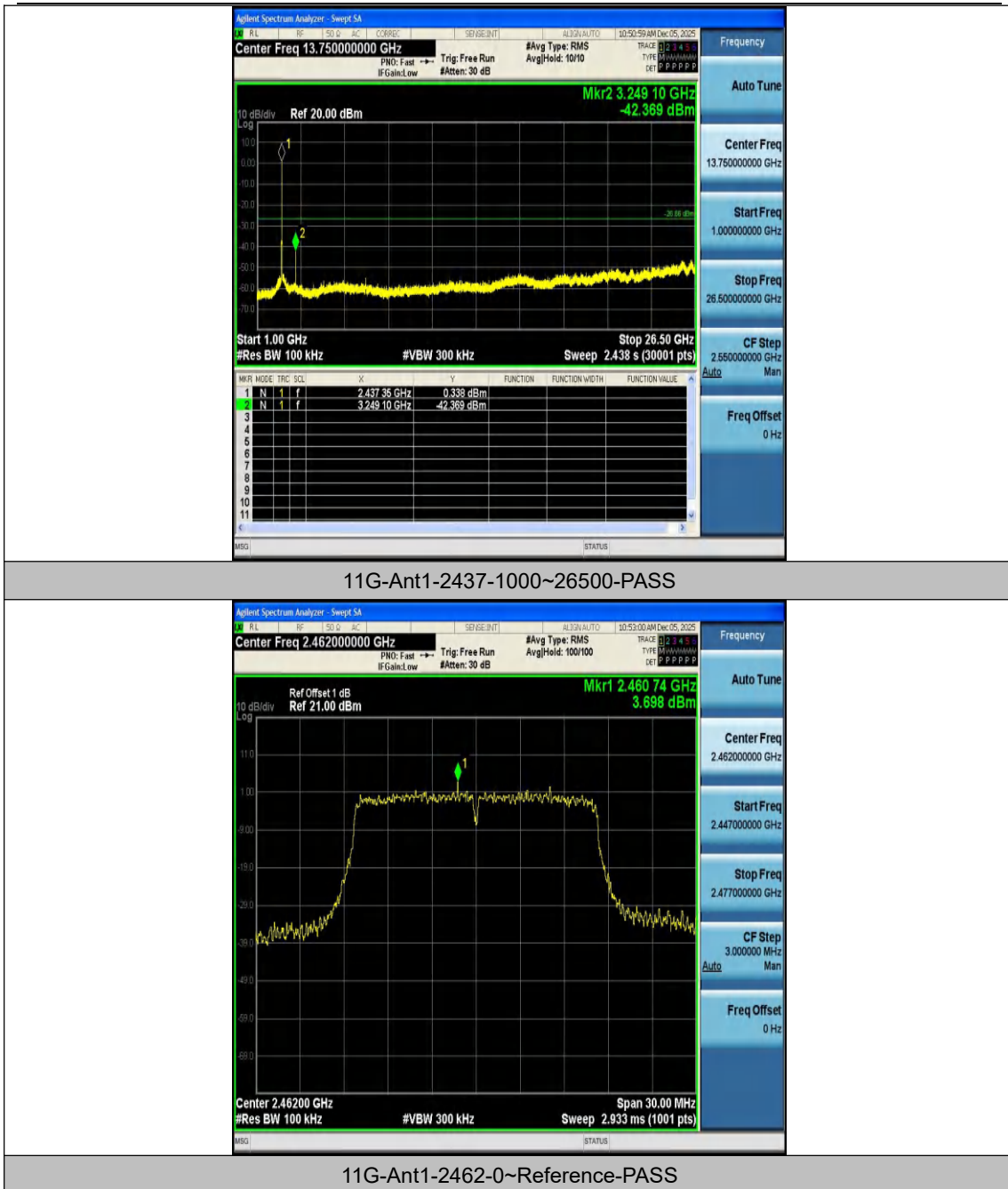
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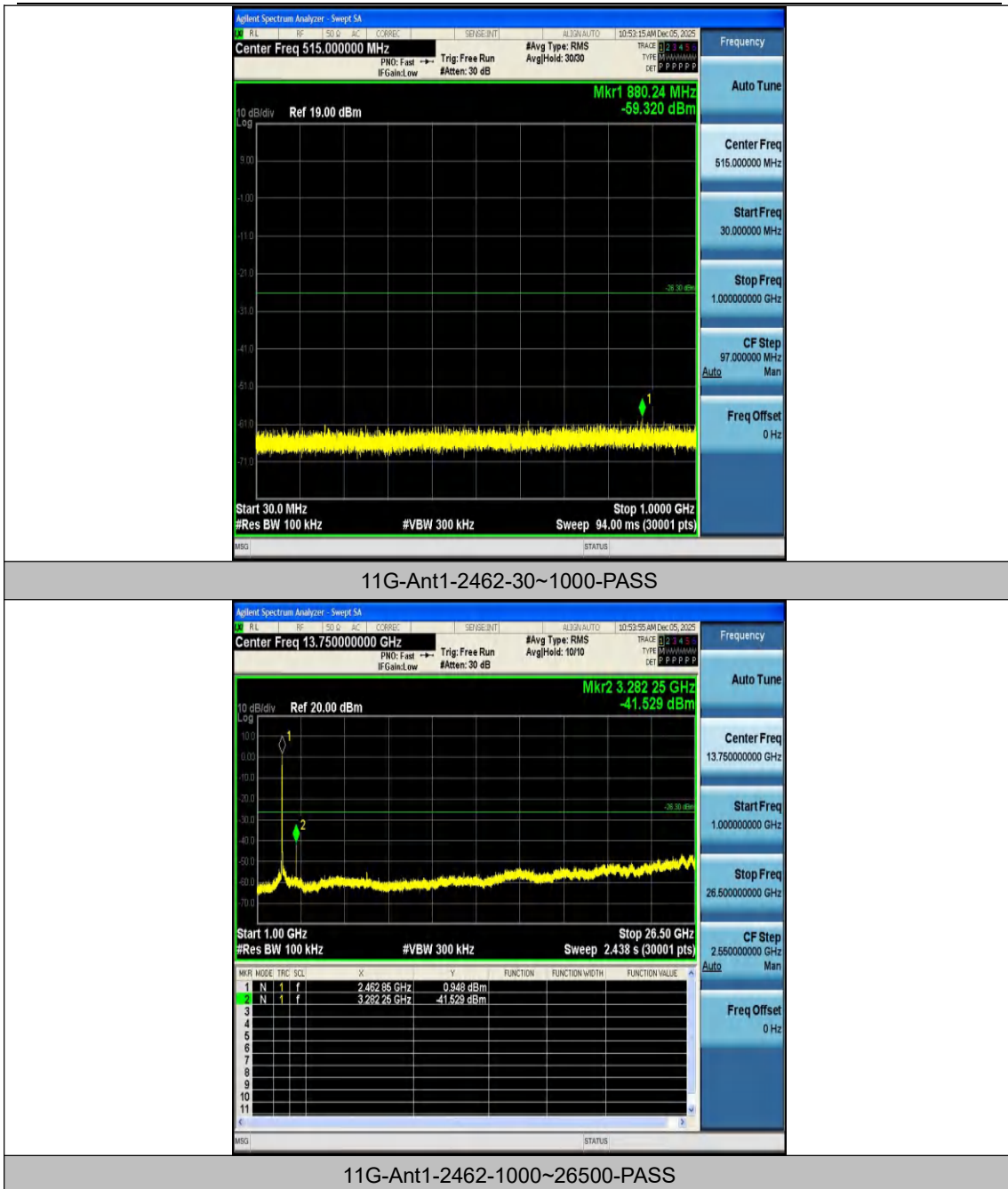
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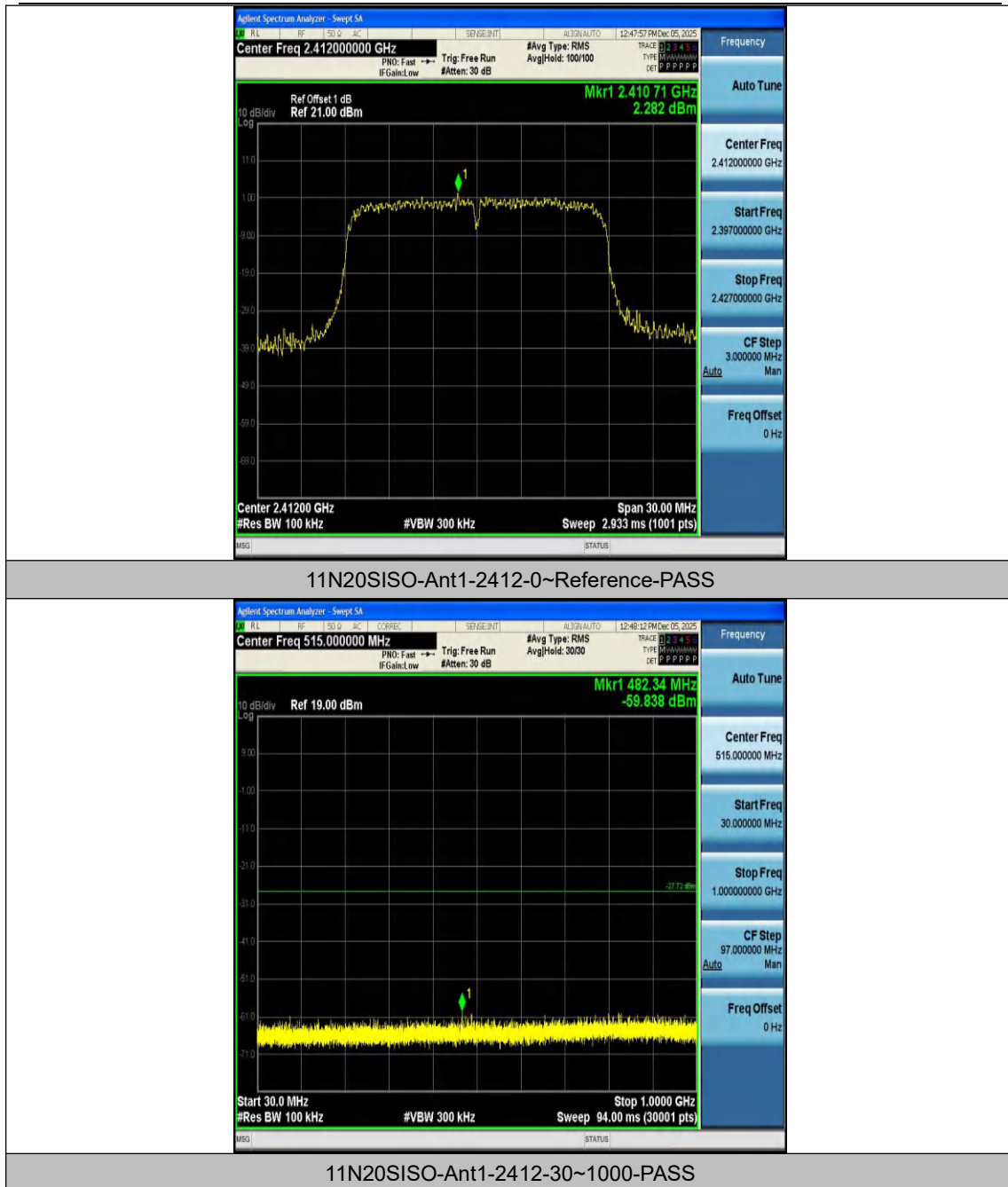
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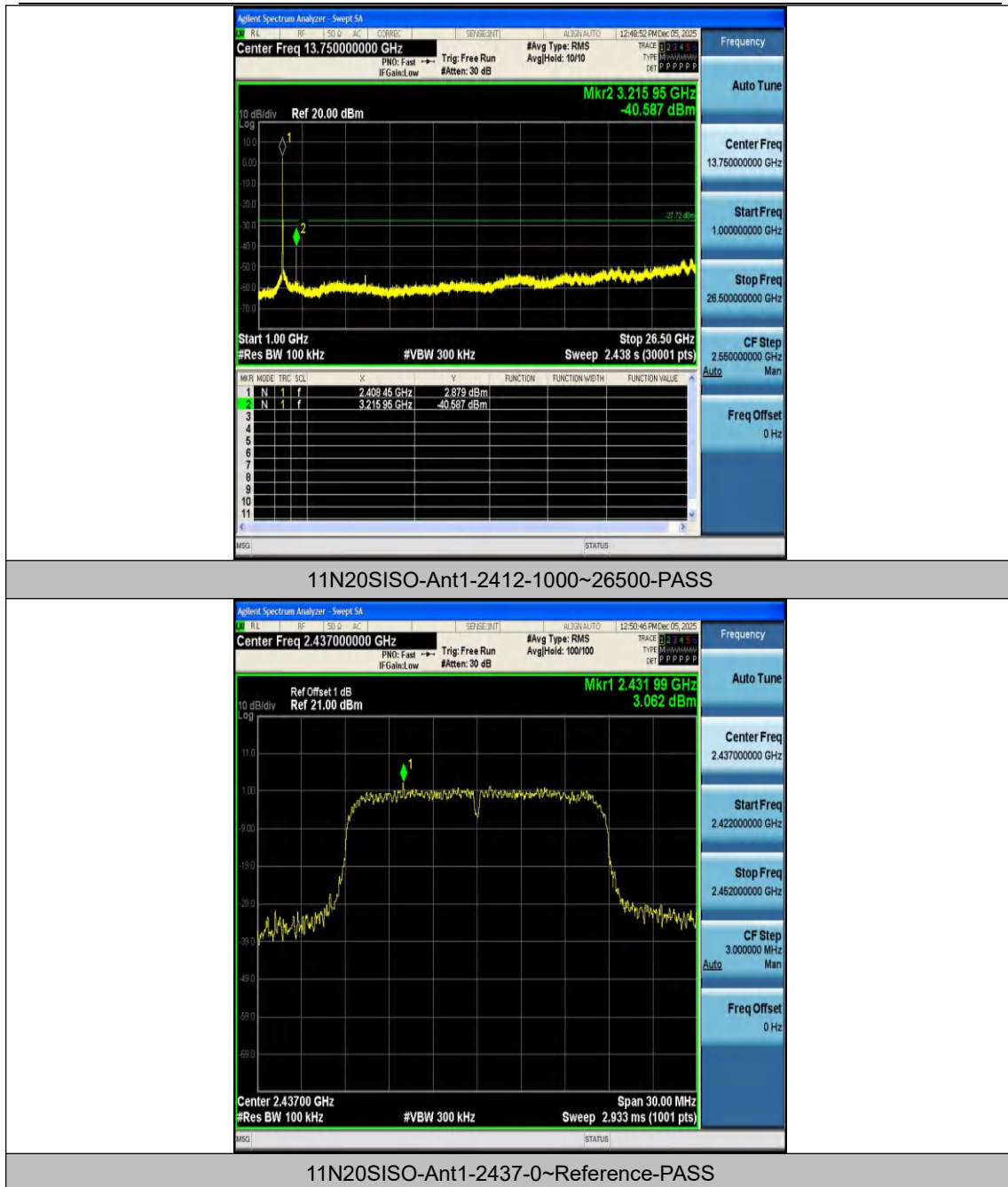
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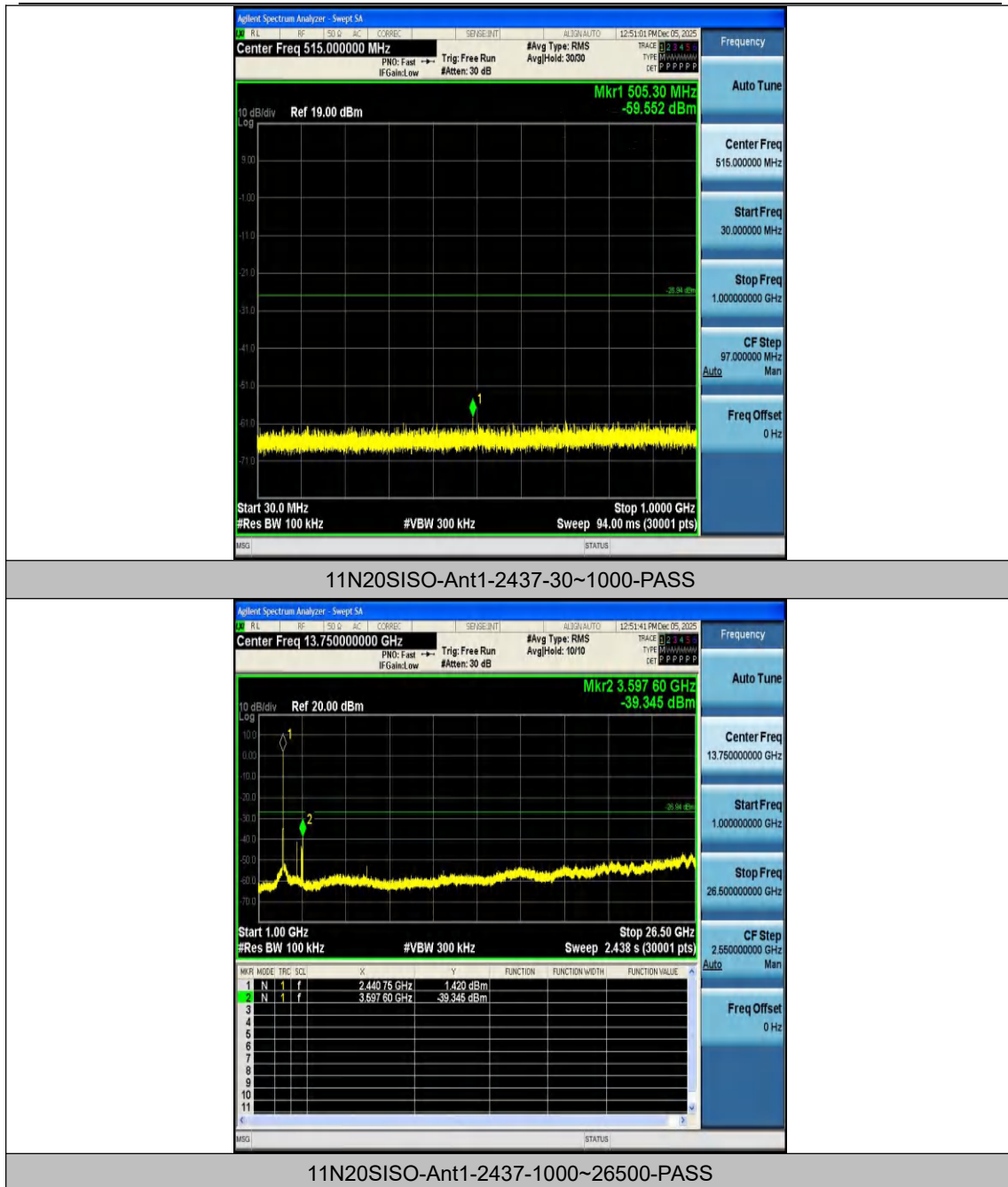
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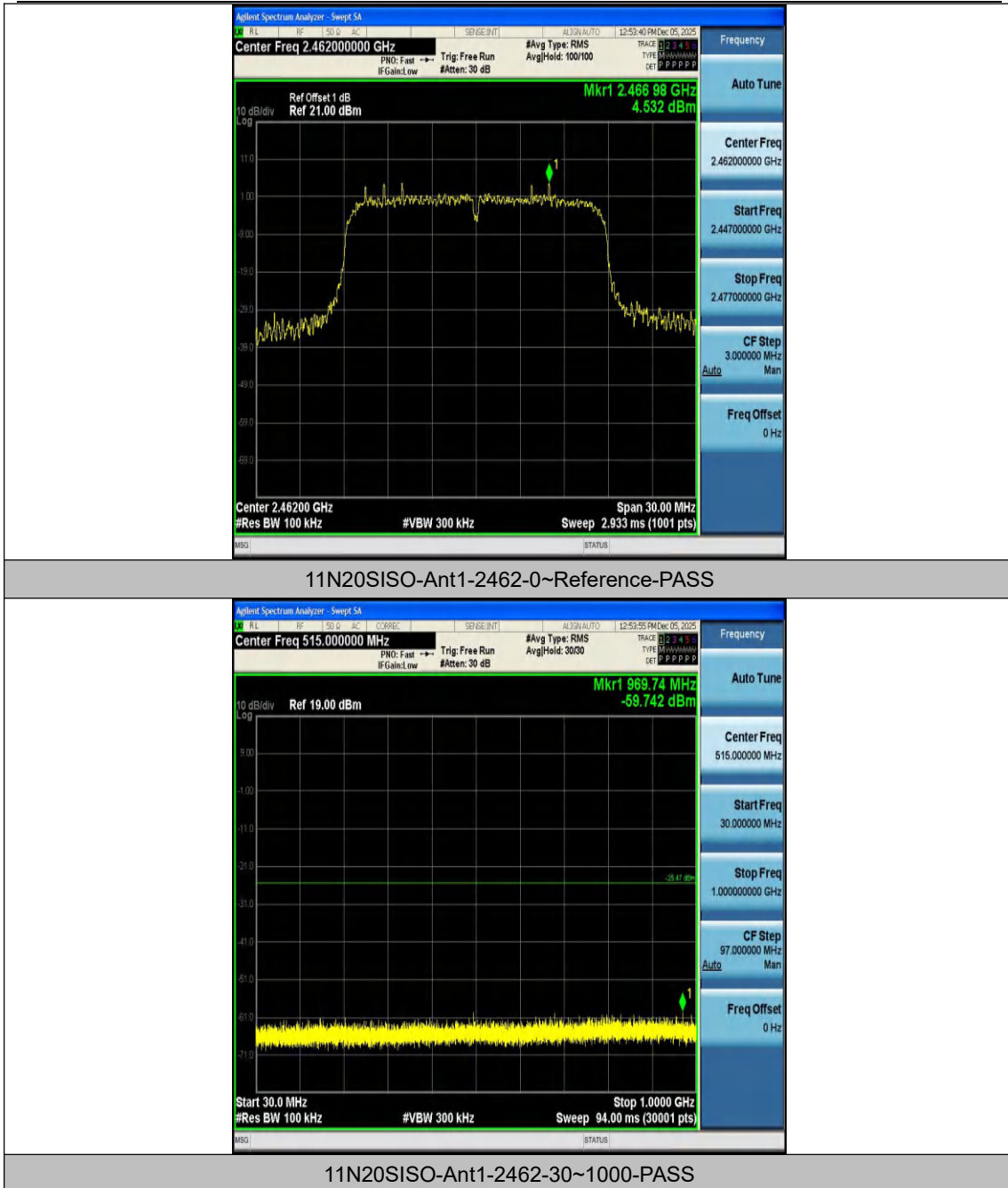
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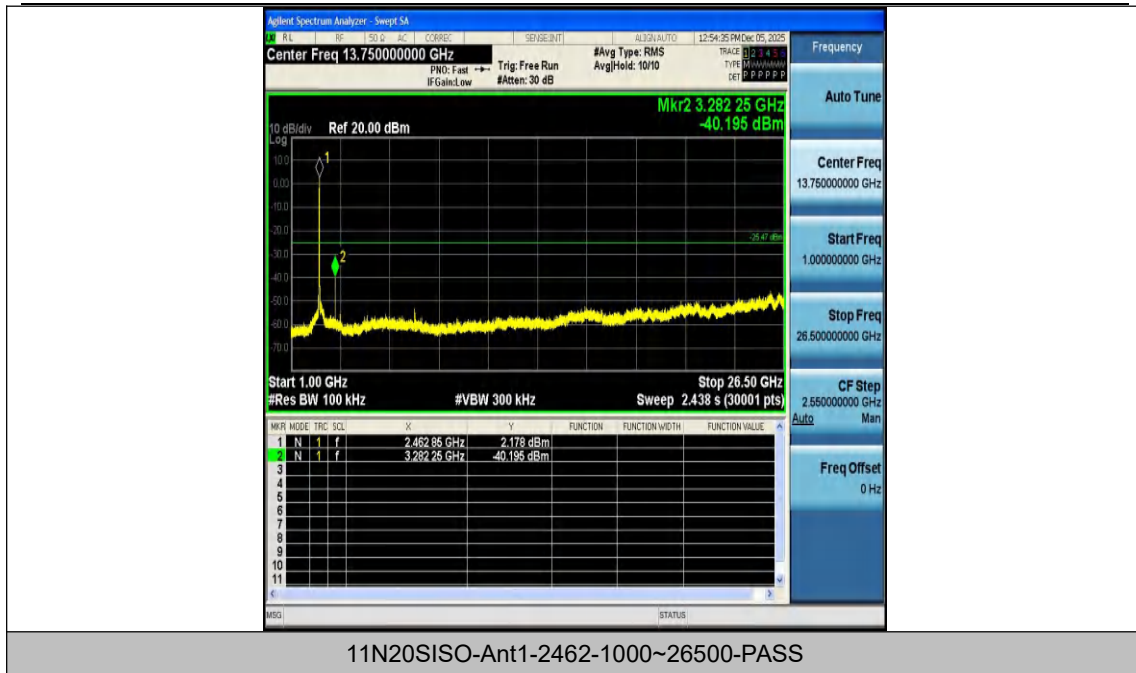
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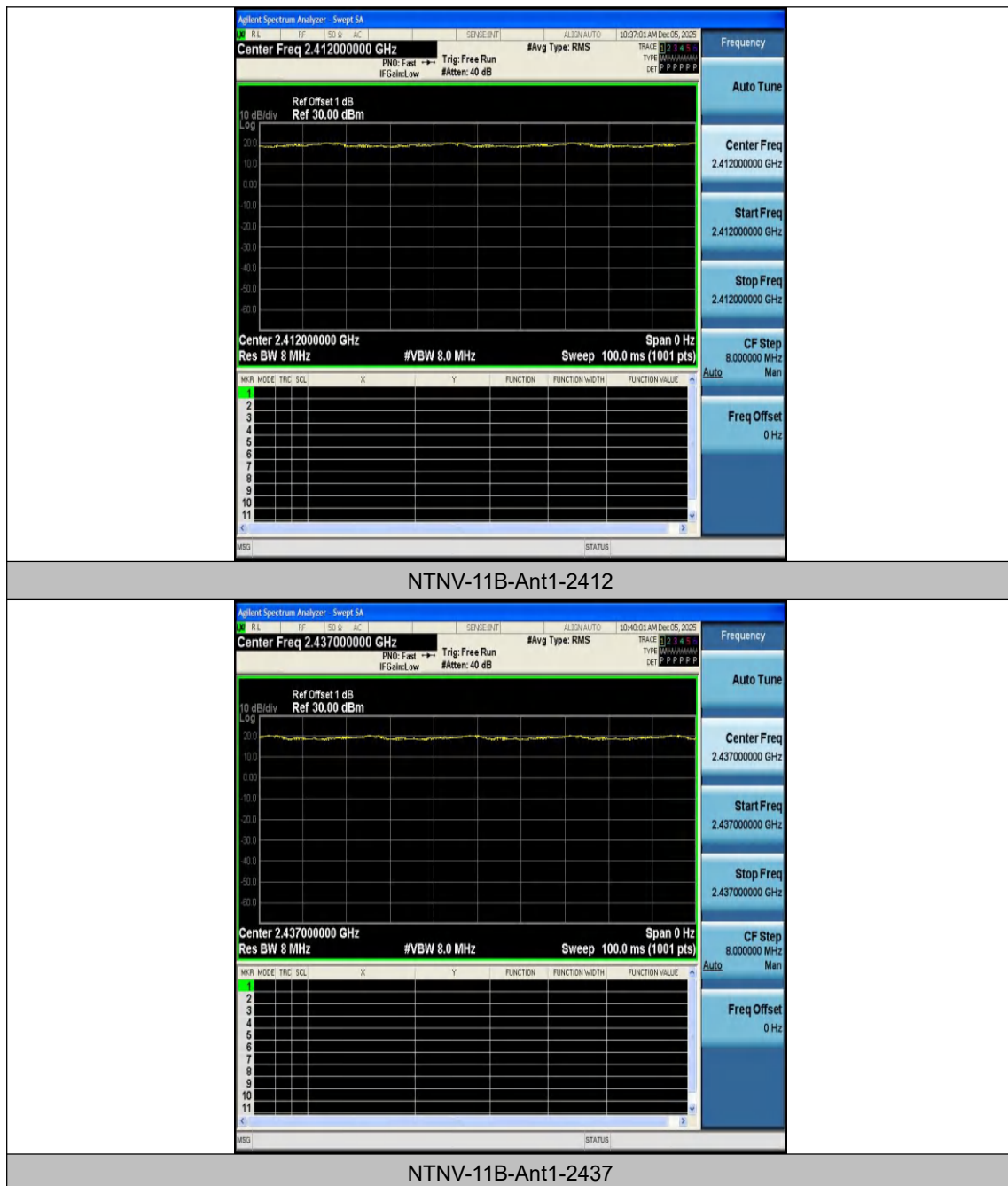
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Appendix G: Duty Cycle

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

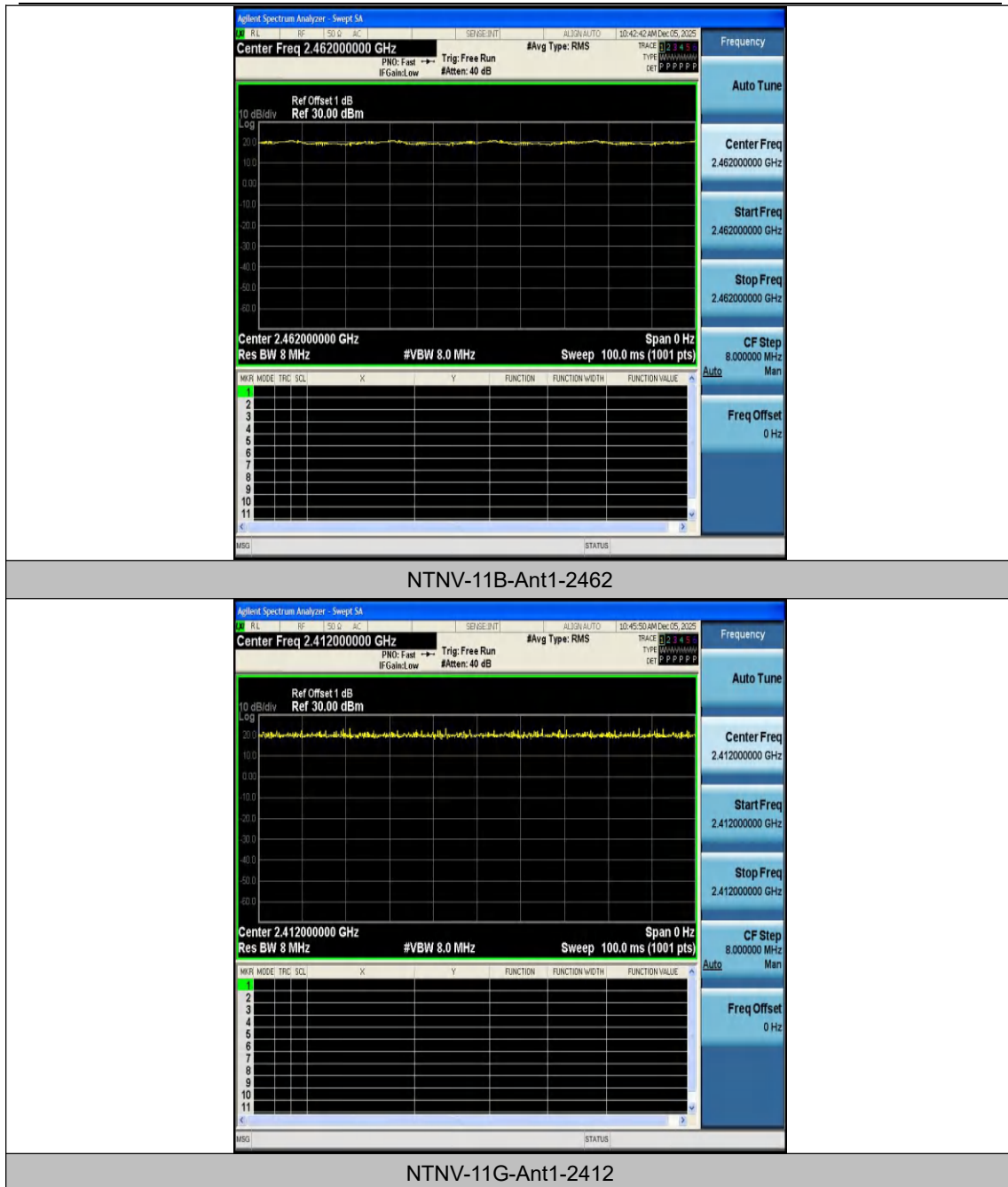
Test Graphs



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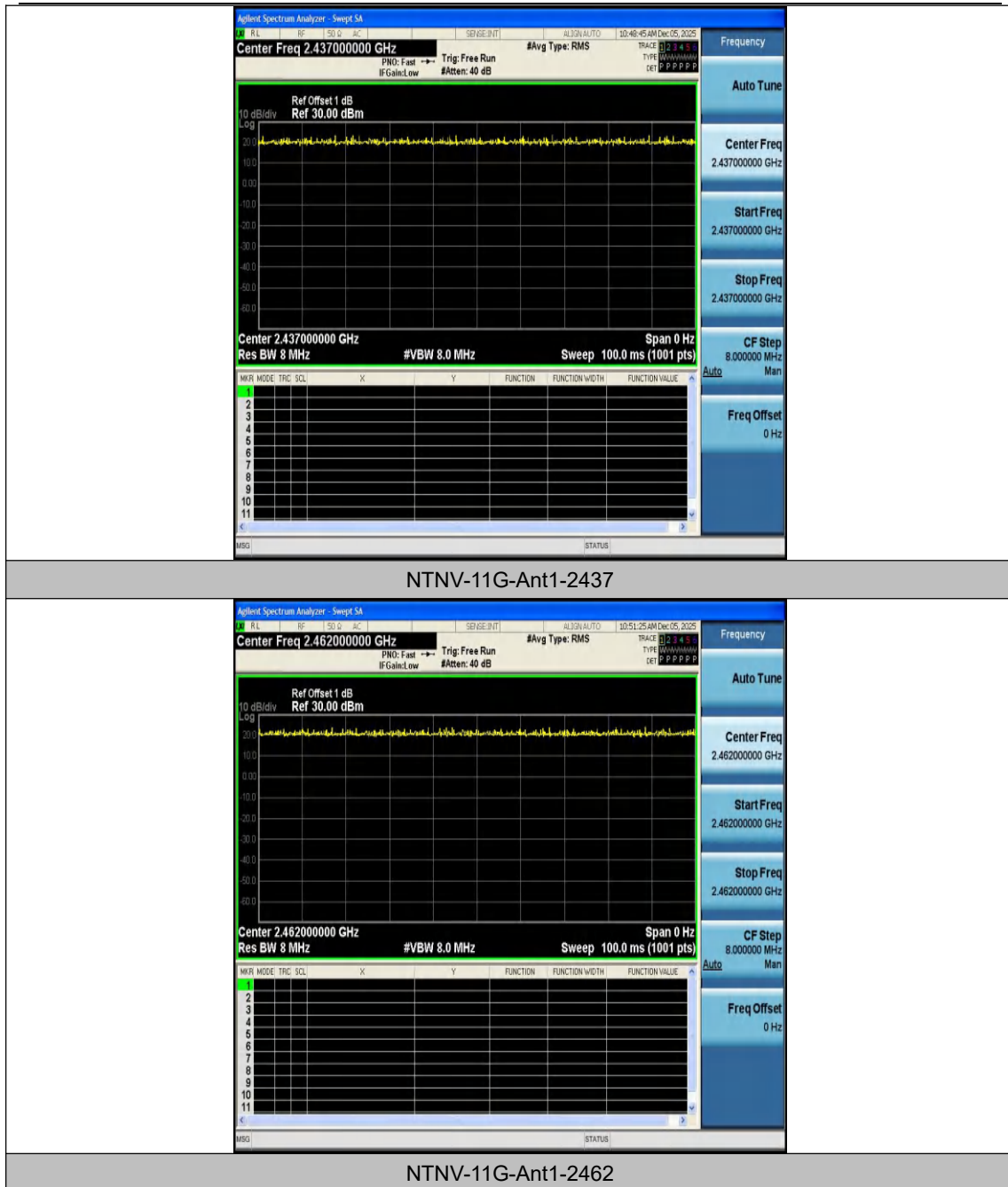
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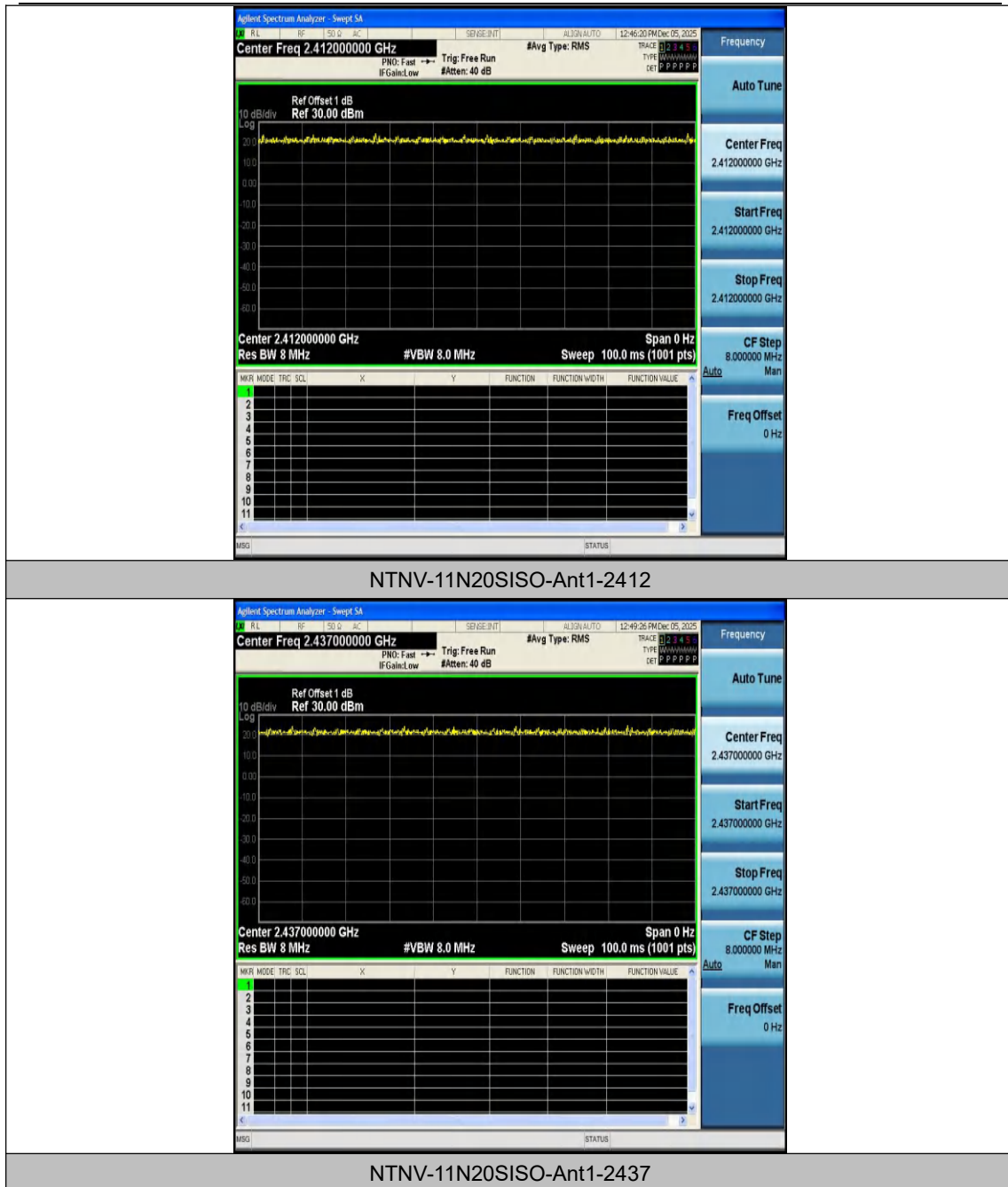
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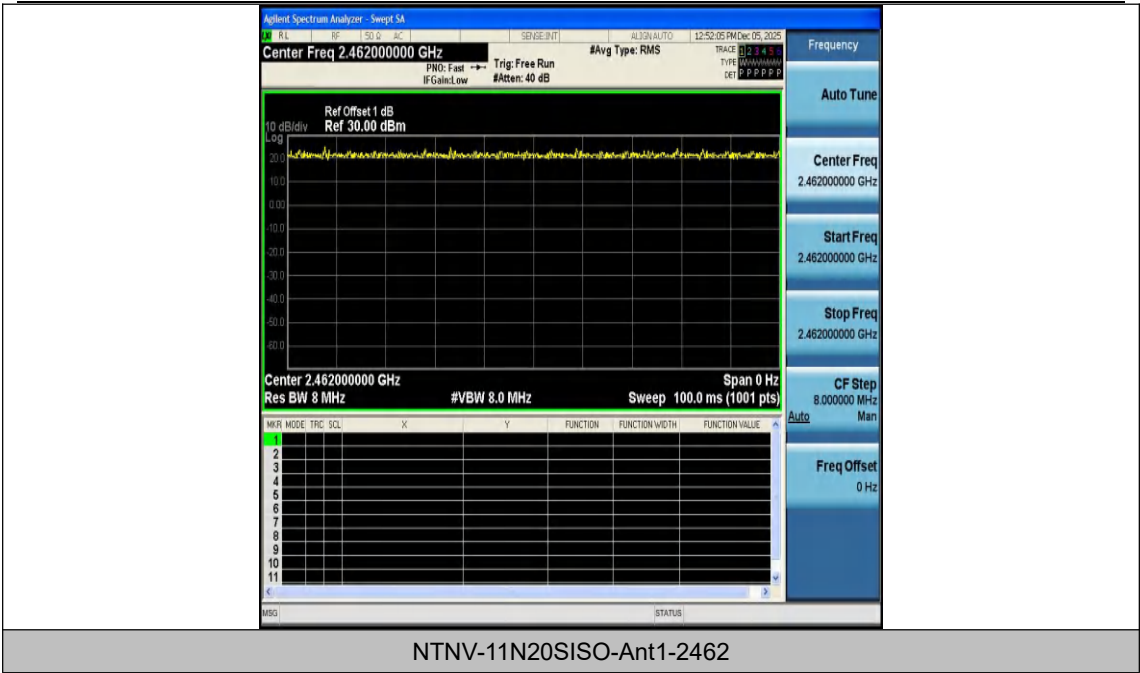
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---End---