

Appendix Test Data

Report No.:	1812C50546512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-8	Finish Test Date:	2025-12-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	51%
Pressure:	101kPa		



Appendix A: 6dB Bandwidth

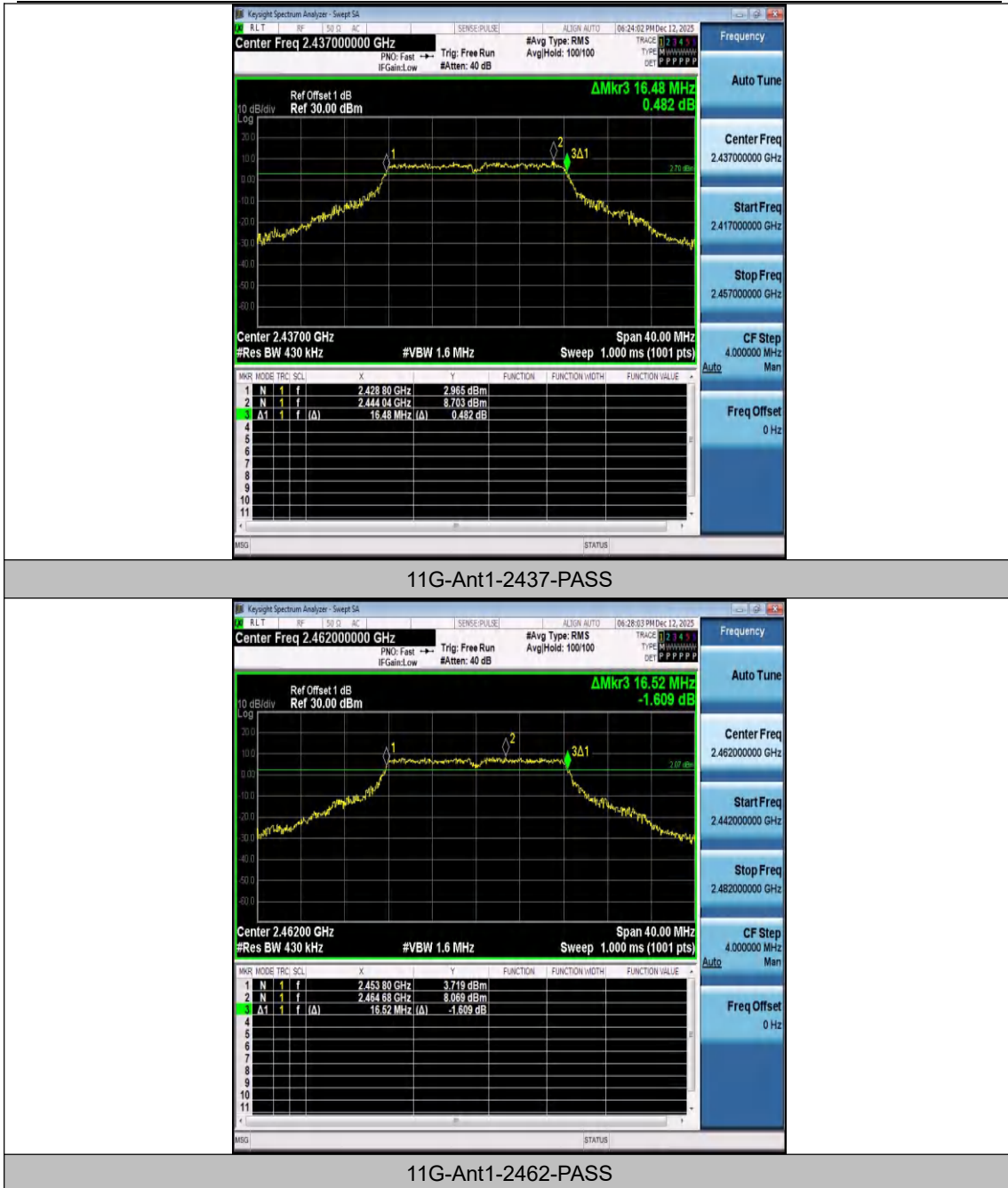
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
11B	Ant1	2437	10.200	2431.920	2442.120	0.5	PASS
11B	Ant1	2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	16.480	2403.840	2420.320	0.5	PASS
11G	Ant1	2437	16.480	2428.800	2445.280	0.5	PASS
11G	Ant1	2462	16.520	2453.800	2470.320	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
11N20SISO	Ant1	2437	17.960	2427.920	2445.880	0.5	PASS
11N20SISO	Ant1	2462	17.720	2453.160	2470.880	0.5	PASS

Test Graphs



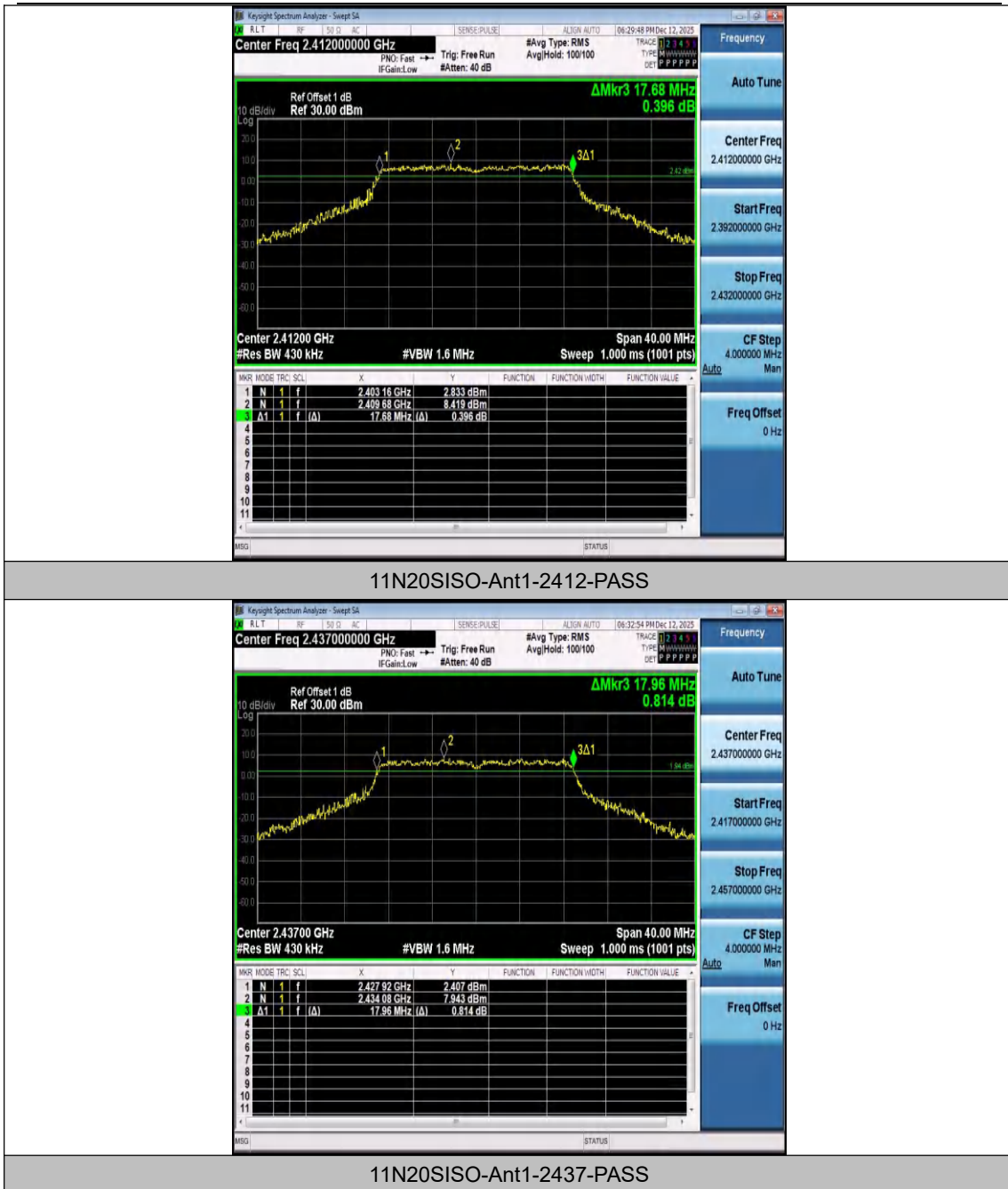




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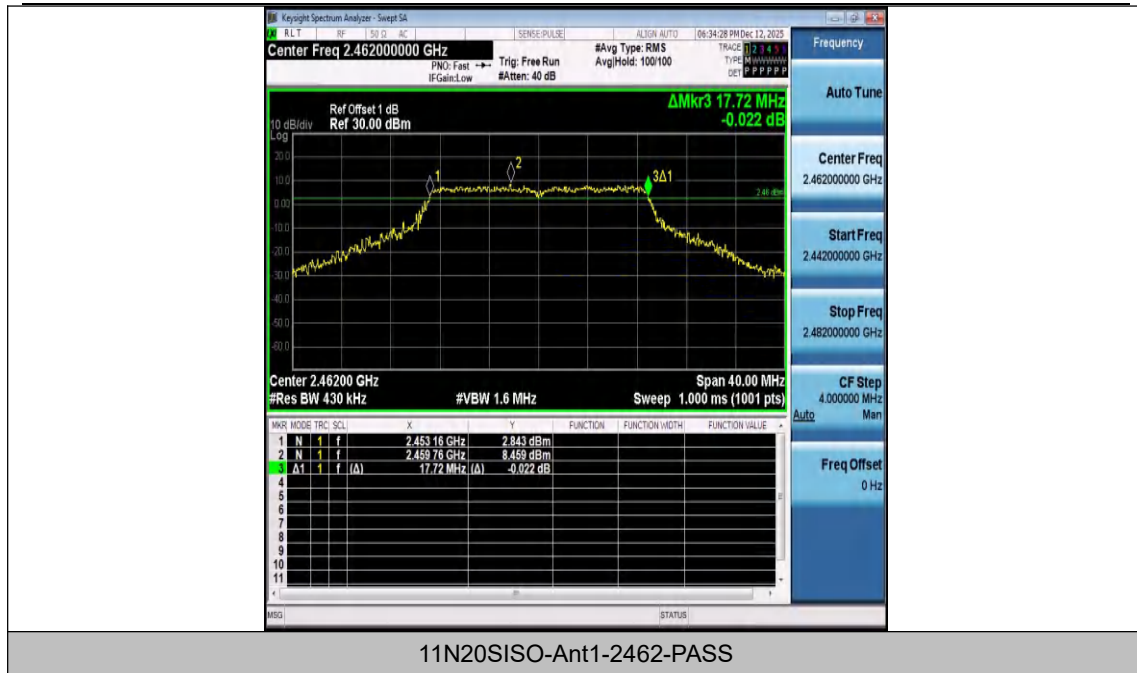
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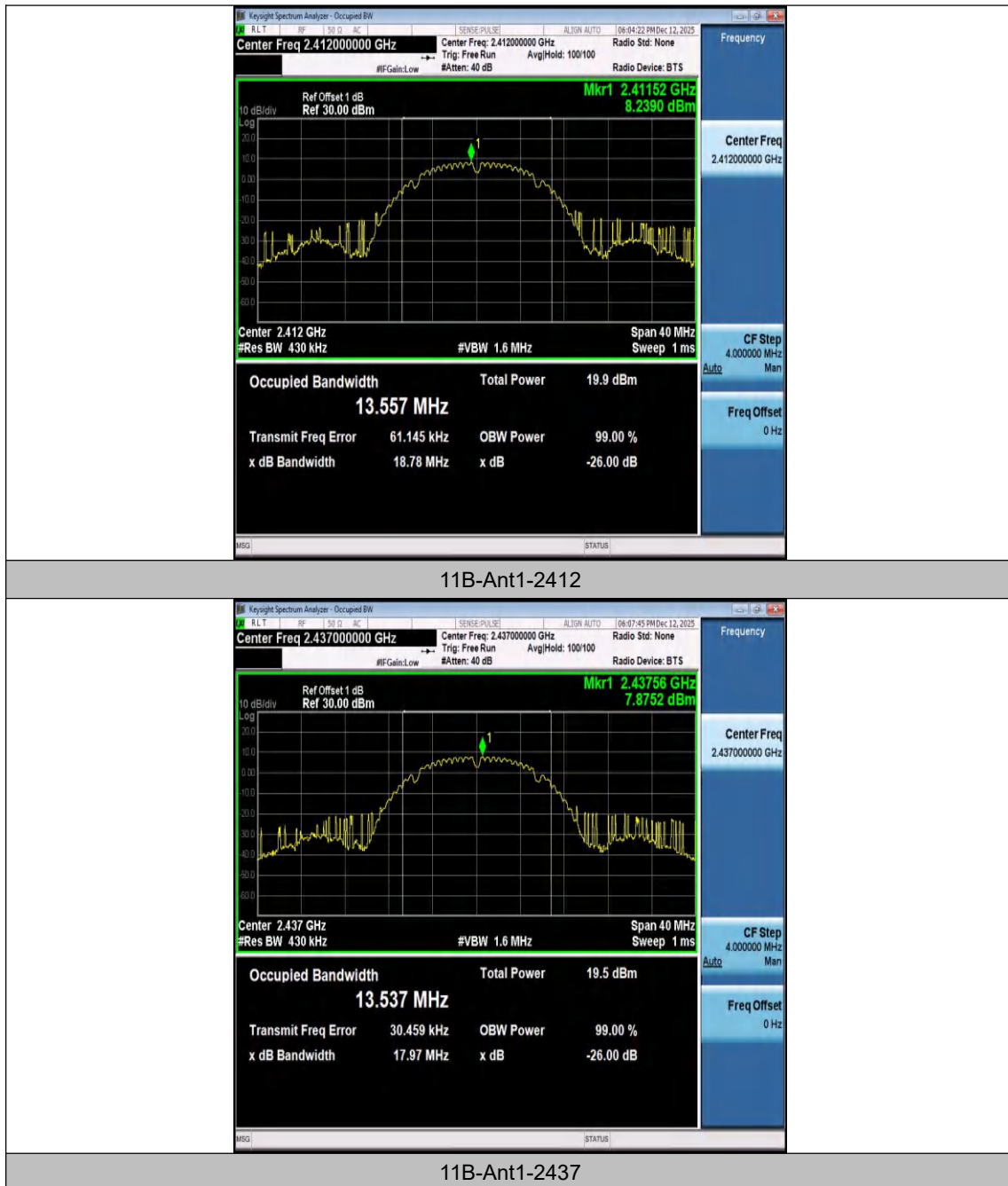
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.557	2405.2827	2418.8397	---	---
11B	Ant1	2437	13.537	2430.2620	2443.7990	---	---
11B	Ant1	2462	13.534	2455.2546	2468.7886	---	---
11G	Ant1	2412	18.376	2402.7499	2421.1259	---	---
11G	Ant1	2437	18.520	2427.6196	2446.1396	---	---
11G	Ant1	2462	18.238	2452.8563	2471.0943	---	---
11N20SISO	Ant1	2412	18.998	2402.4860	2421.4840	---	---
11N20SISO	Ant1	2437	19.010	2427.4861	2446.4961	---	---
11N20SISO	Ant1	2462	19.144	2452.4088	2471.5528	---	---

Test Graphs



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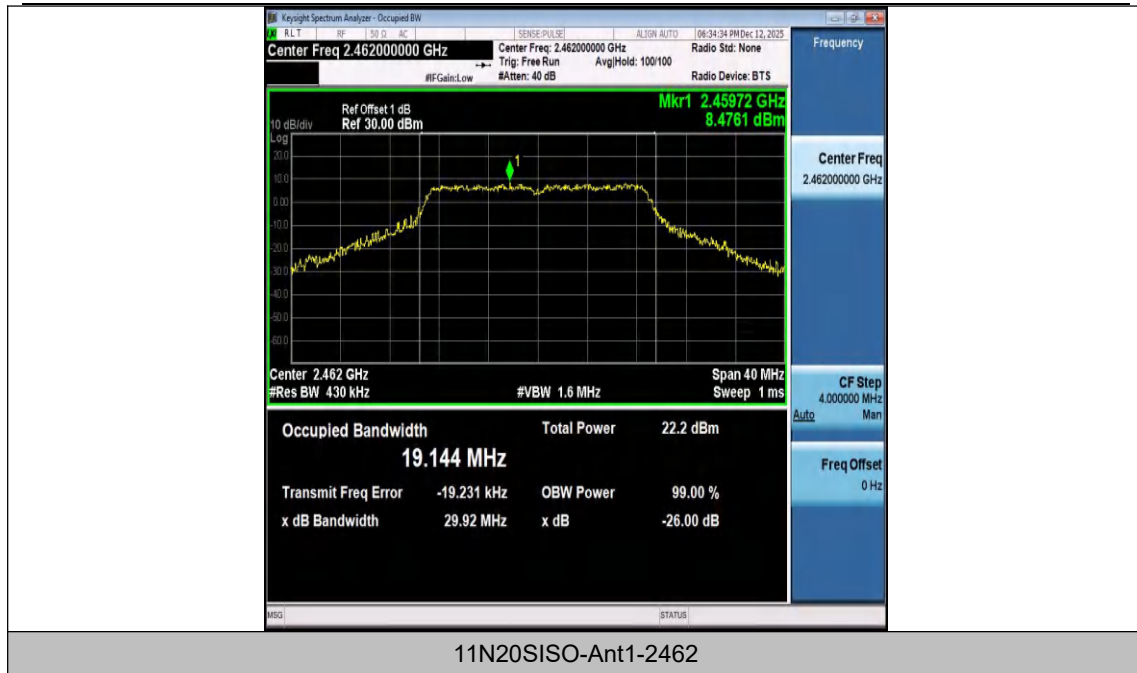




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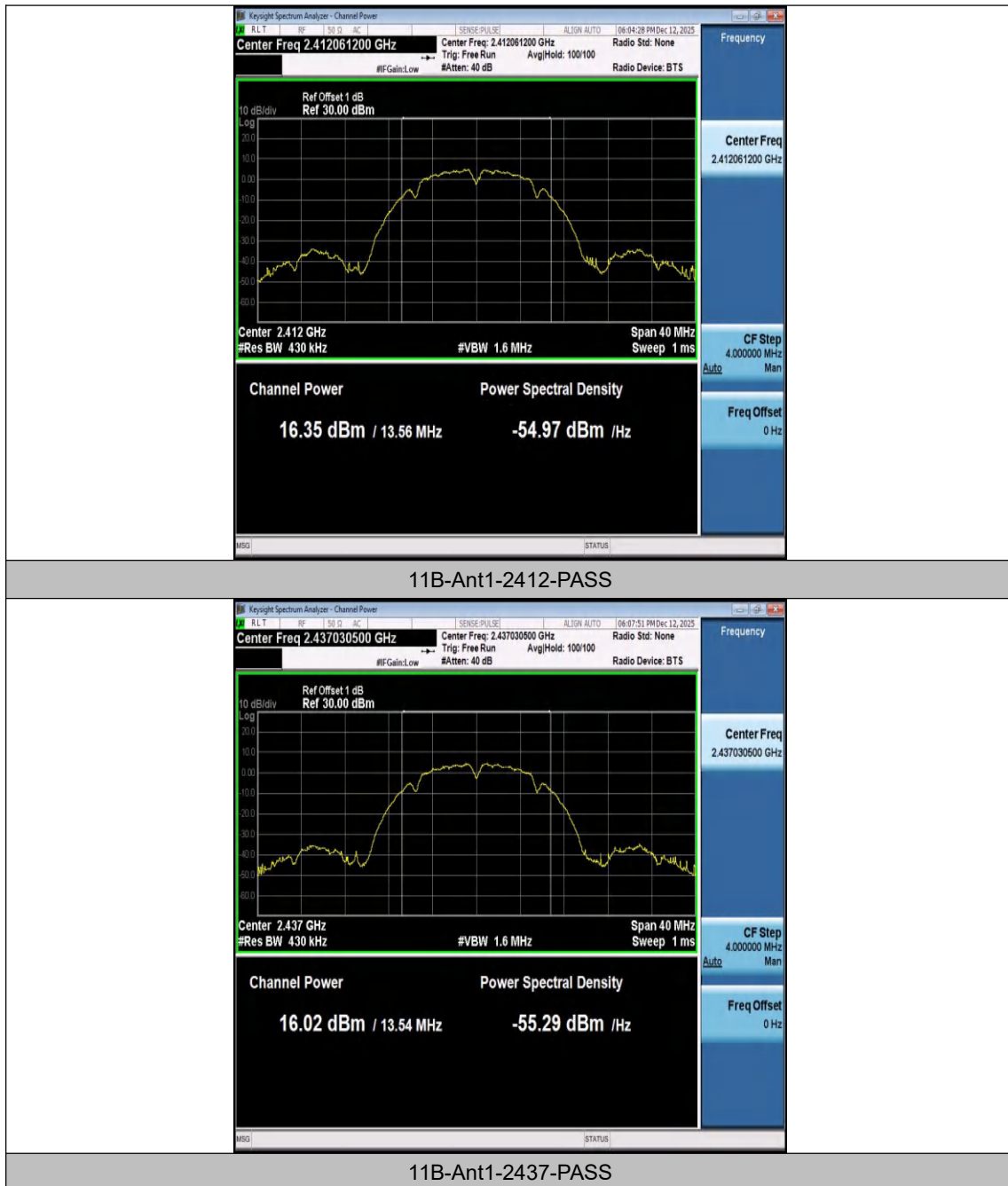
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.35	100.00	16.35	≤30.00	PASS
11B	Ant1	2437	16.02	100.00	16.02	≤30.00	PASS
11B	Ant1	2462	15.89	100.00	15.89	≤30.00	PASS
11G	Ant1	2412	14.85	100.00	14.85	≤30.00	PASS
11G	Ant1	2437	15.80	100.00	15.80	≤30.00	PASS
11G	Ant1	2462	15.89	100.00	15.89	≤30.00	PASS
11N20SI SO	Ant1	2412	15.75	100.00	15.75	≤30.00	PASS
11N20SI SO	Ant1	2437	15.78	100.00	15.78	≤30.00	PASS
11N20SI SO	Ant1	2462	15.91	100.00	15.91	≤30.00	PASS

Note: The cable loss are compensated in the graph.

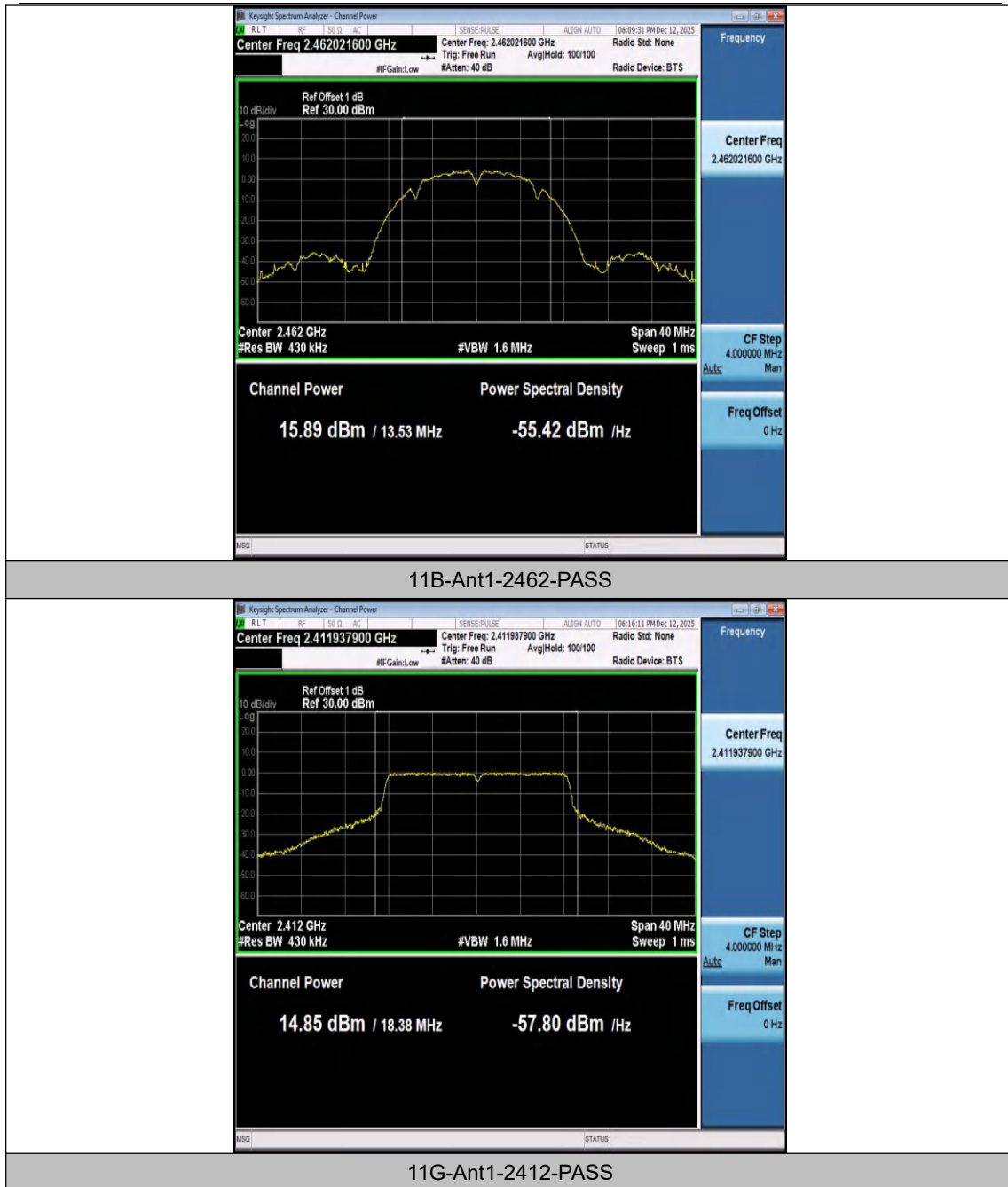
Test Graphs Average



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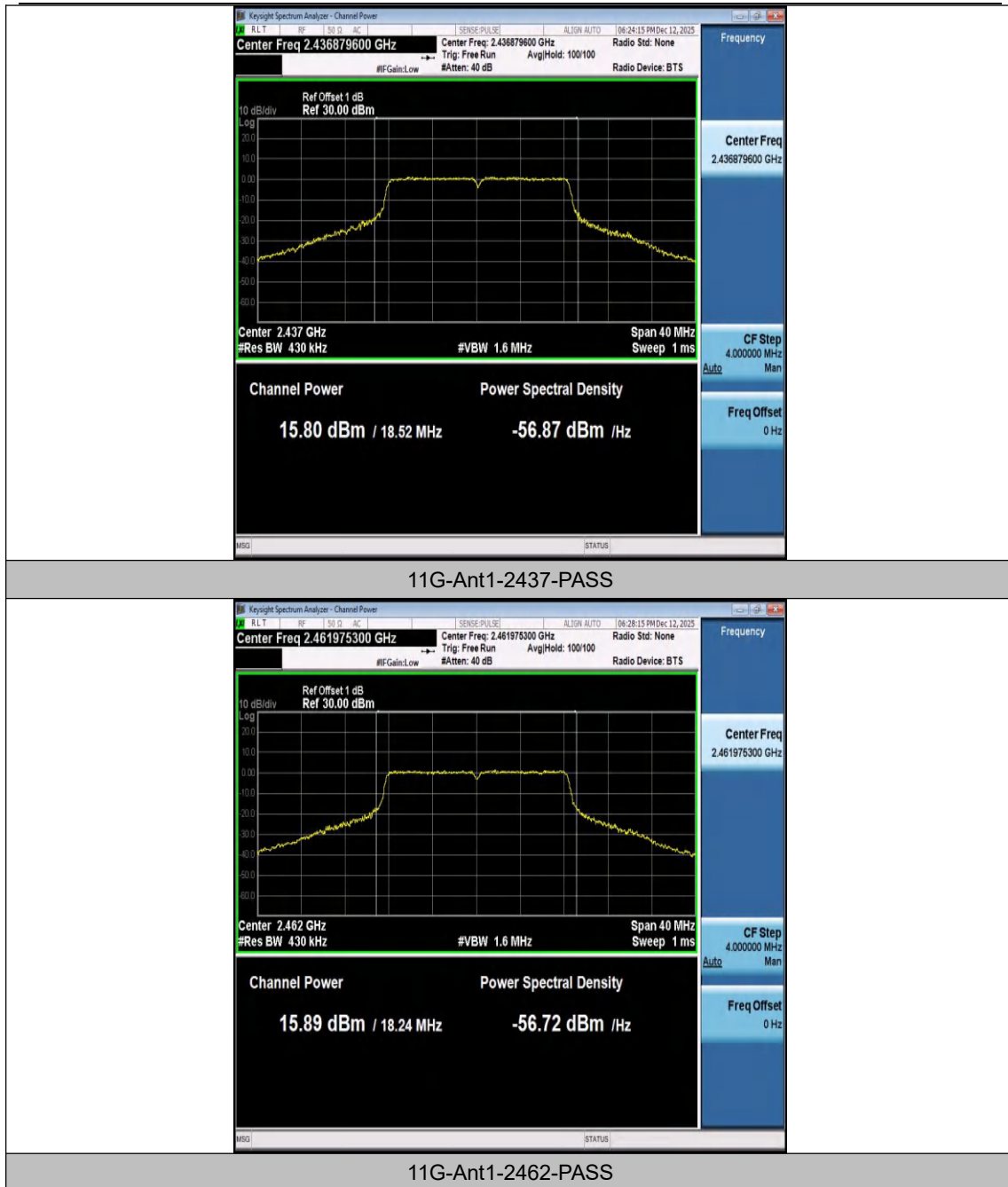
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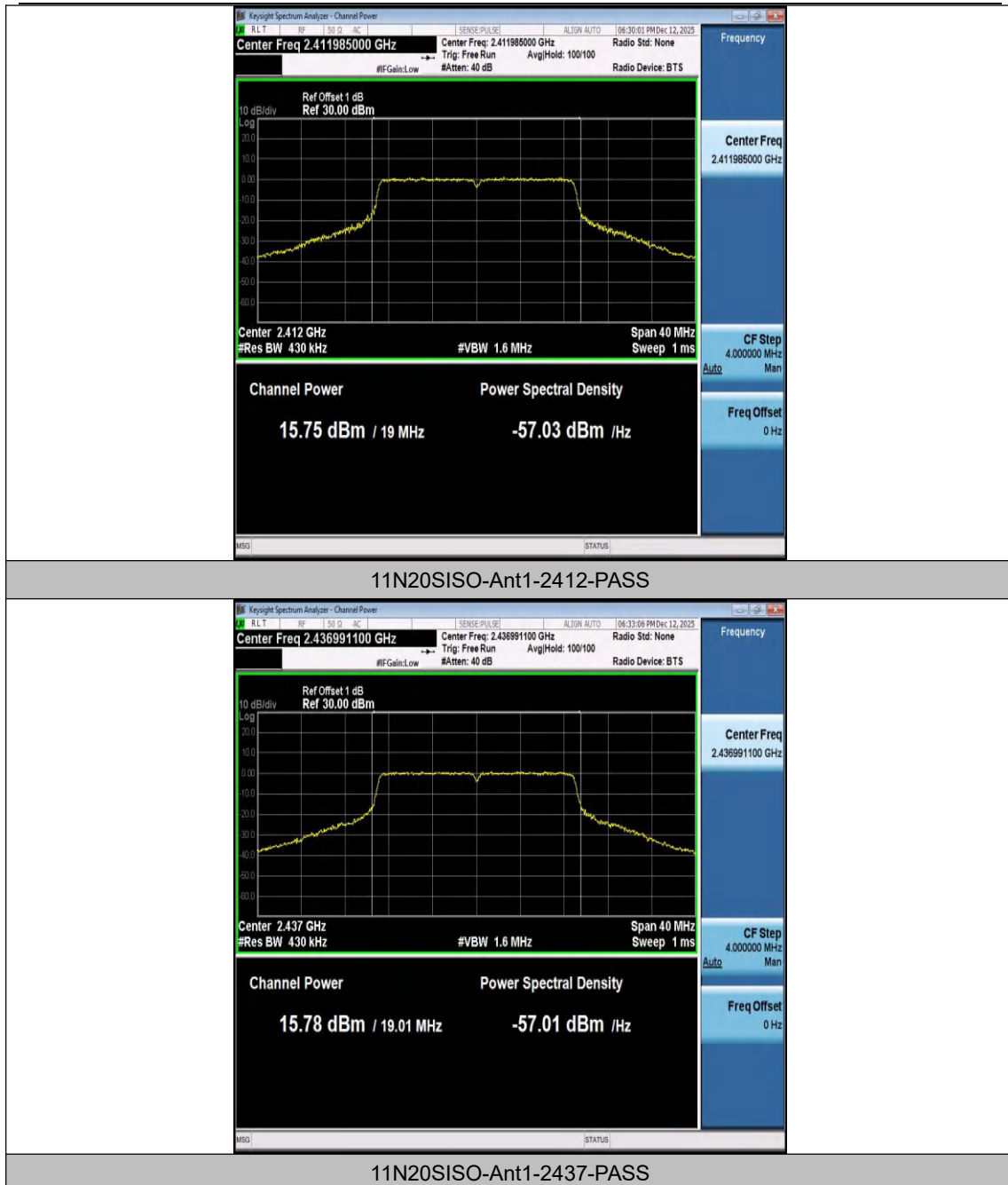
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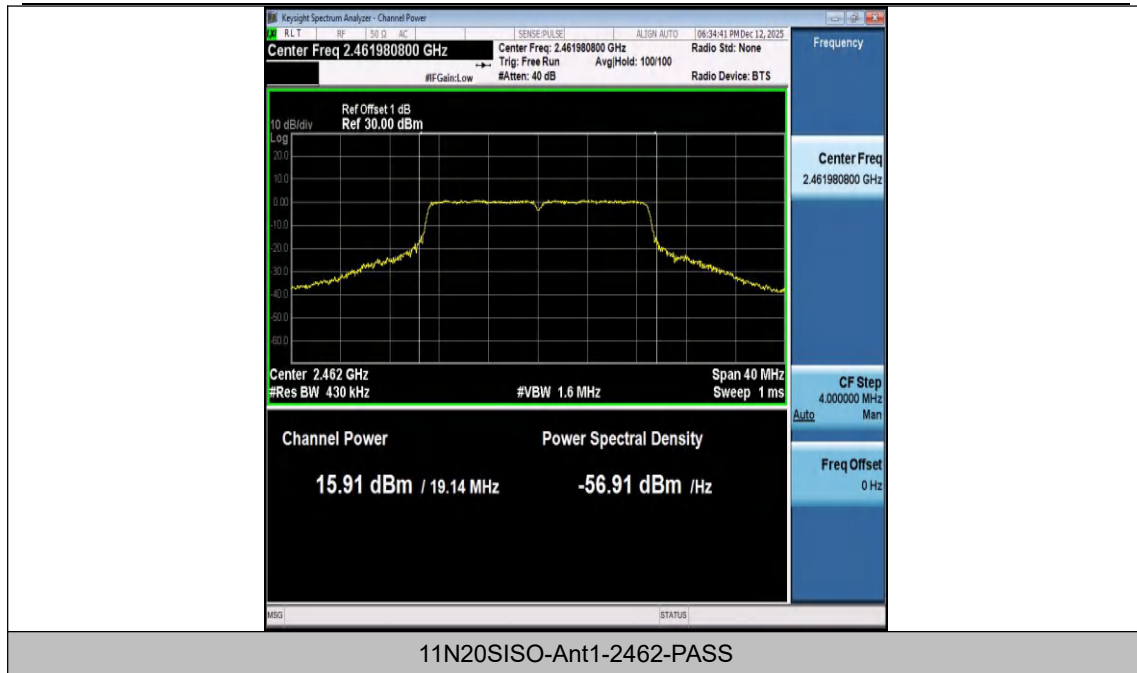
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Appendix D: Maximum power spectral density

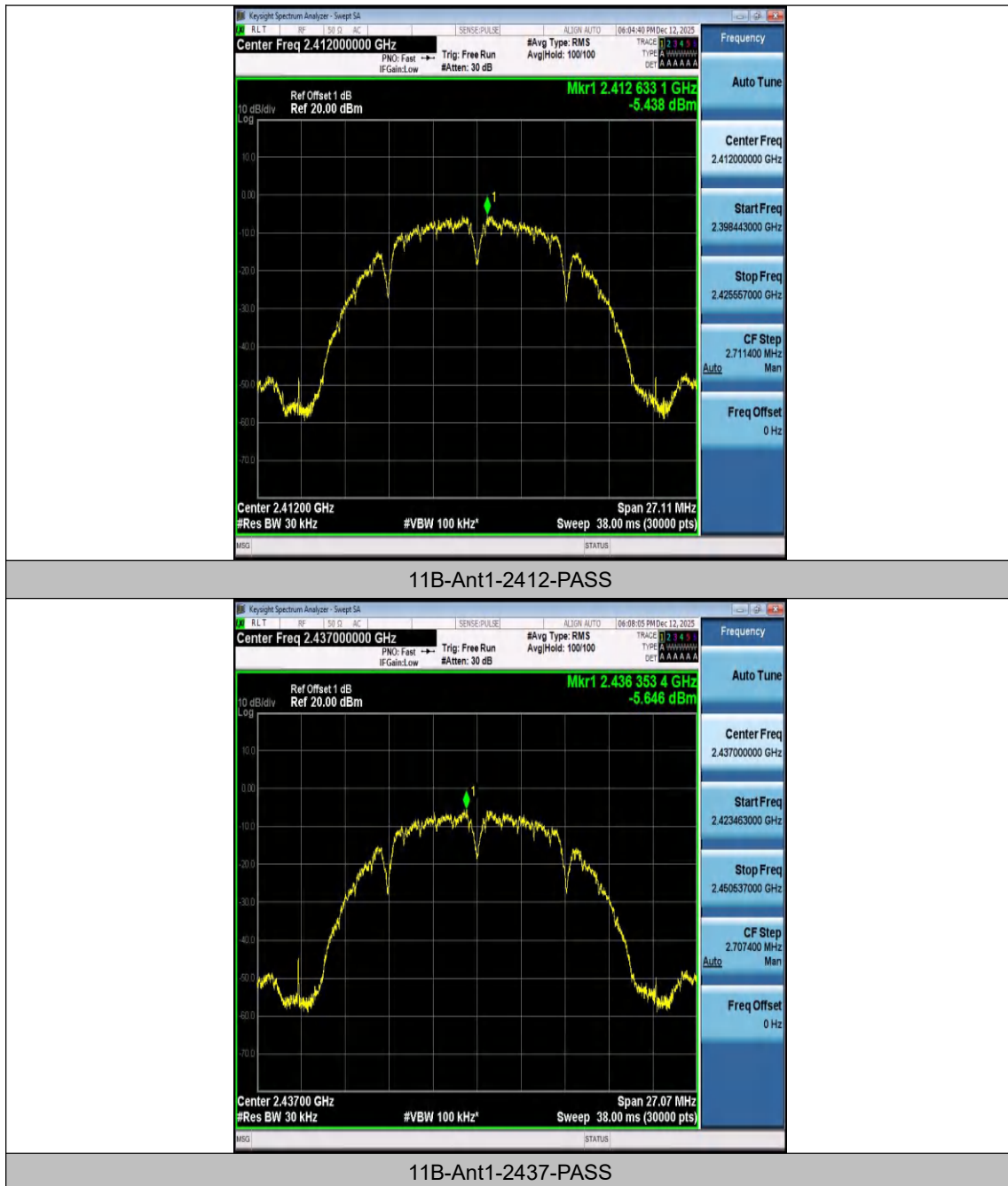
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.44	≤8.00	PASS
11B	Ant1	2437	-5.65	≤8.00	PASS
11B	Ant1	2462	-5.71	≤8.00	PASS
11G	Ant1	2412	-8.39	≤8.00	PASS
11G	Ant1	2437	-7.86	≤8.00	PASS
11G	Ant1	2462	-7.57	≤8.00	PASS
11N20SIS O	Ant1	2412	-7.62	≤8.00	PASS
11N20SIS O	Ant1	2437	-7.46	≤8.00	PASS
11N20SIS O	Ant1	2462	-7.42	≤8.00	PASS

Note:

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

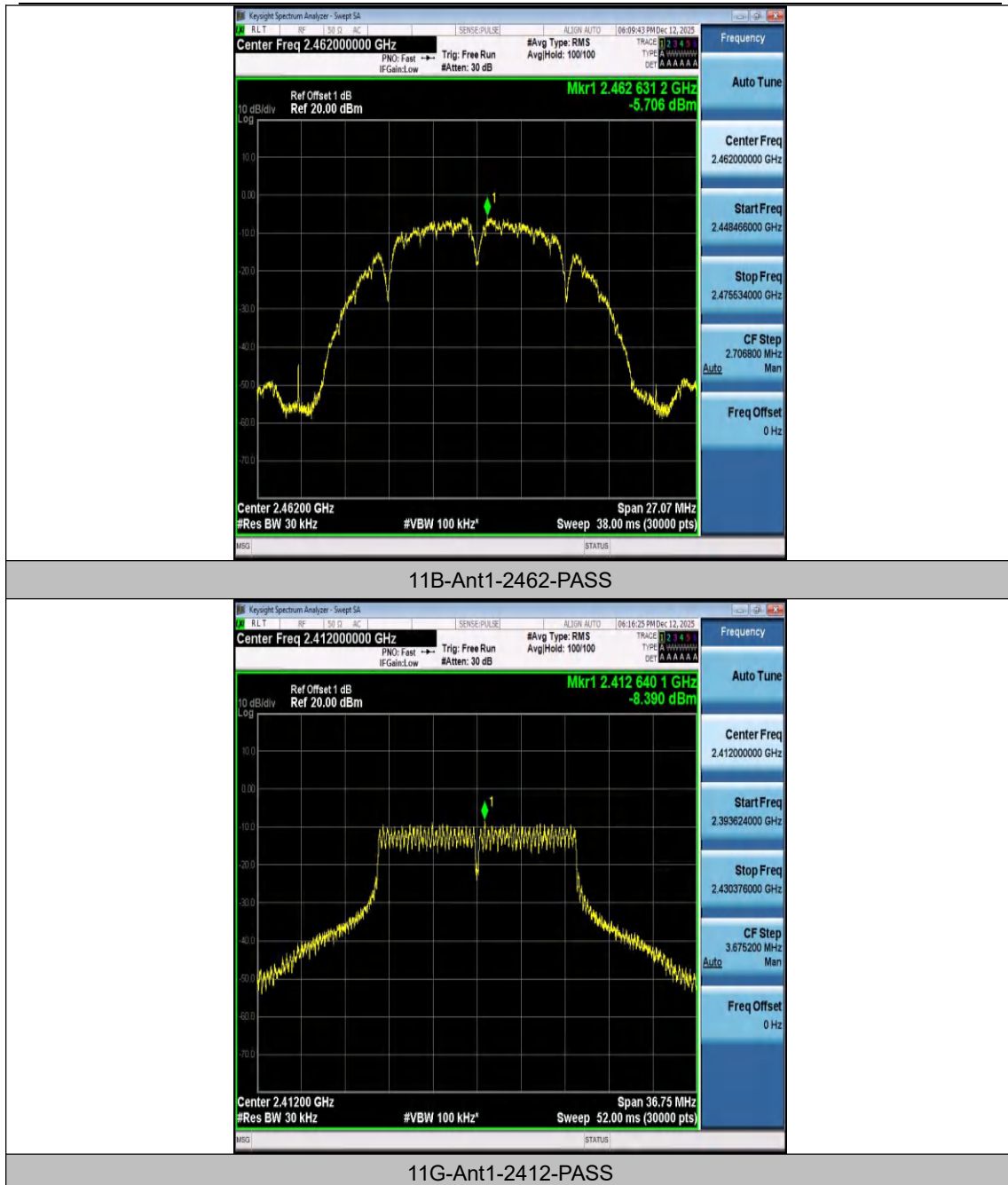
Test Graphs



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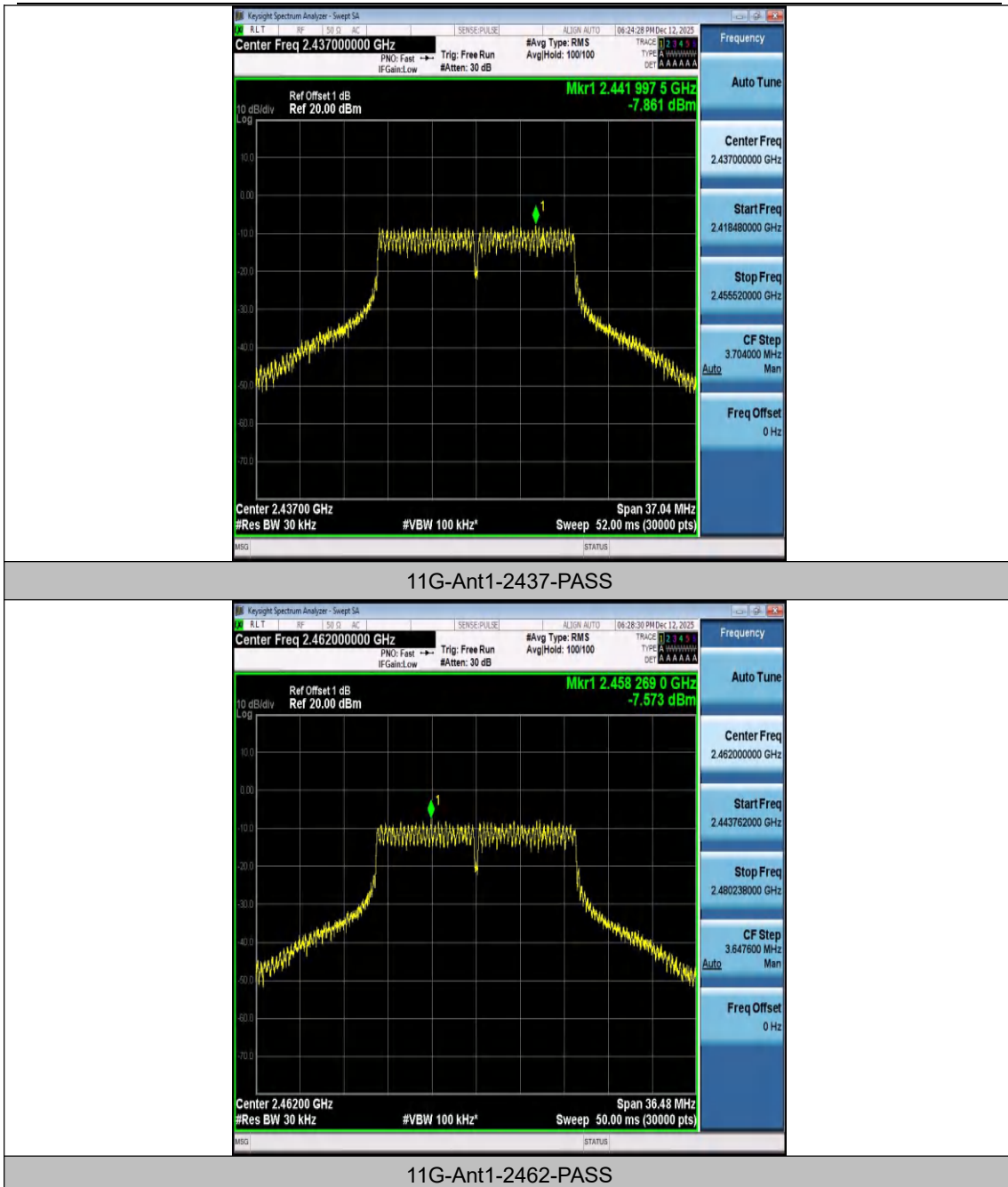
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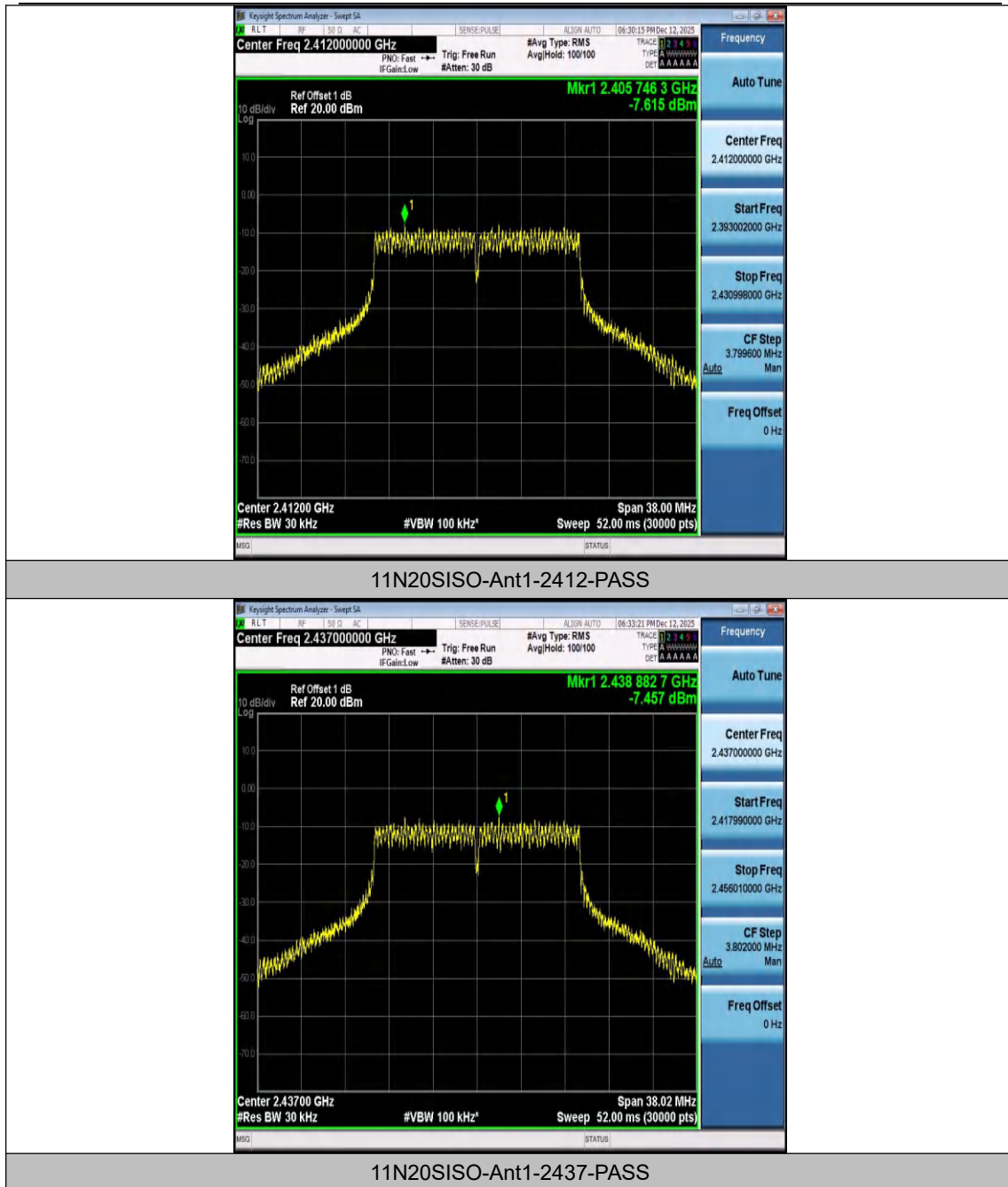
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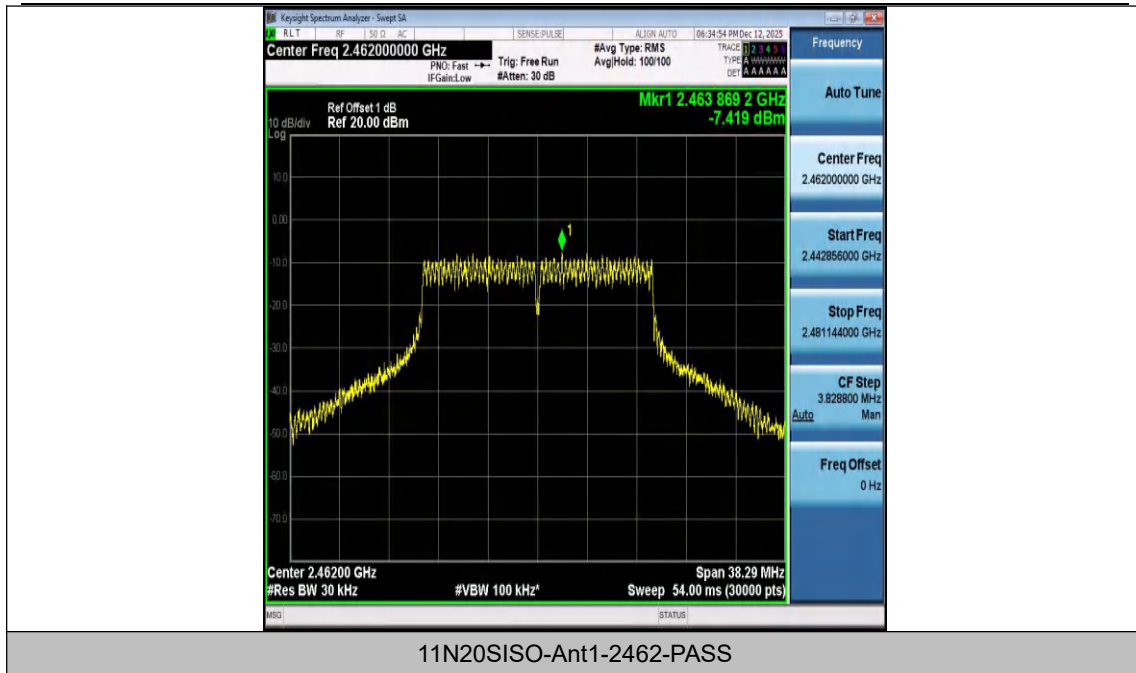
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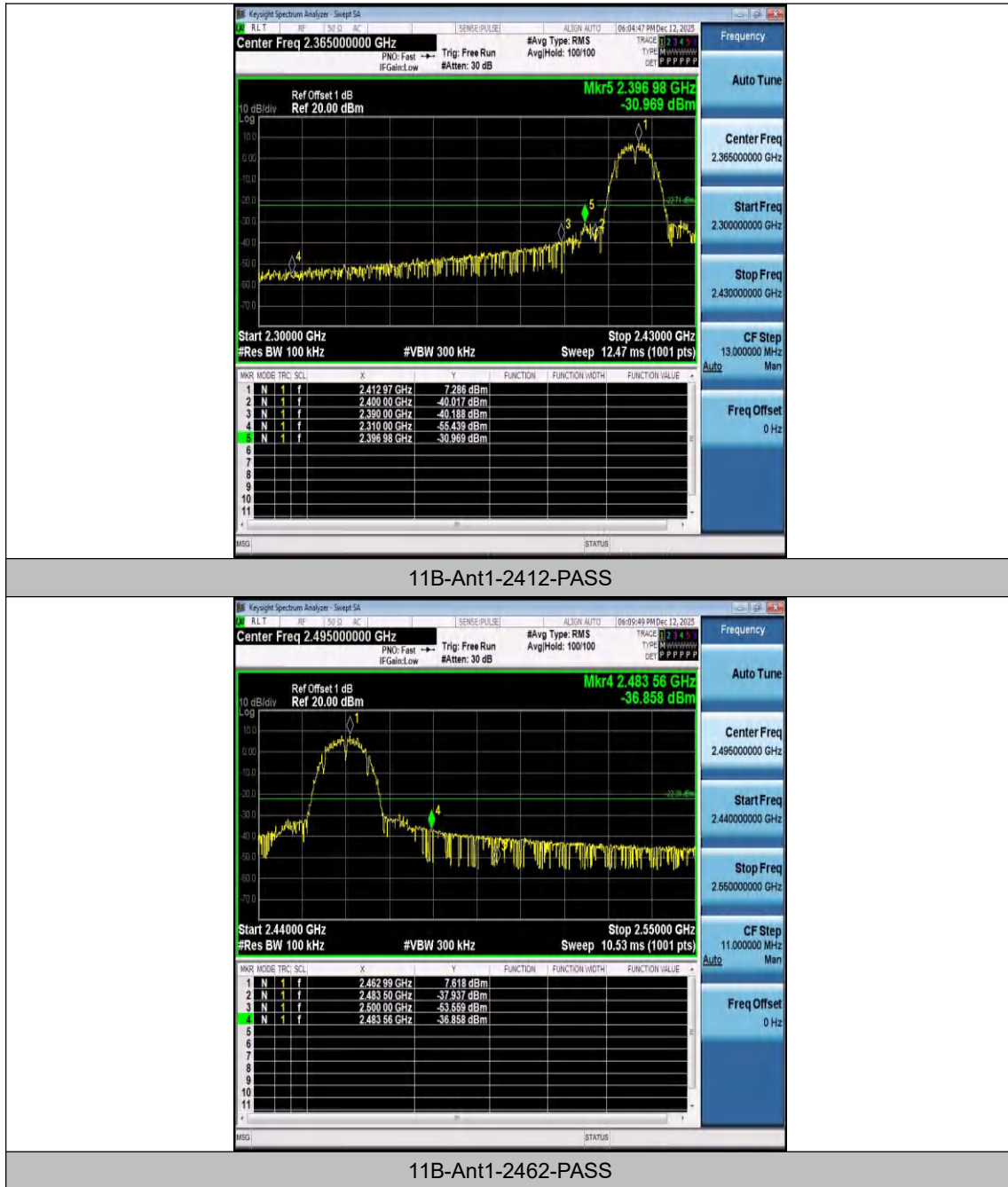
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.29	-30.97	≤-22.71	PASS
11B	Ant1	High	2462	7.62	-36.86	≤-22.38	PASS
11G	Ant1	Low	2412	1.31	-32.87	≤-28.69	PASS
11G	Ant1	High	2462	4.96	-39.45	≤-25.04	PASS
11N20SISO	Ant1	Low	2412	0.97	-33.96	≤-29.03	PASS
11N20SISO	Ant1	High	2462	4.78	-36.91	≤-25.22	PASS

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

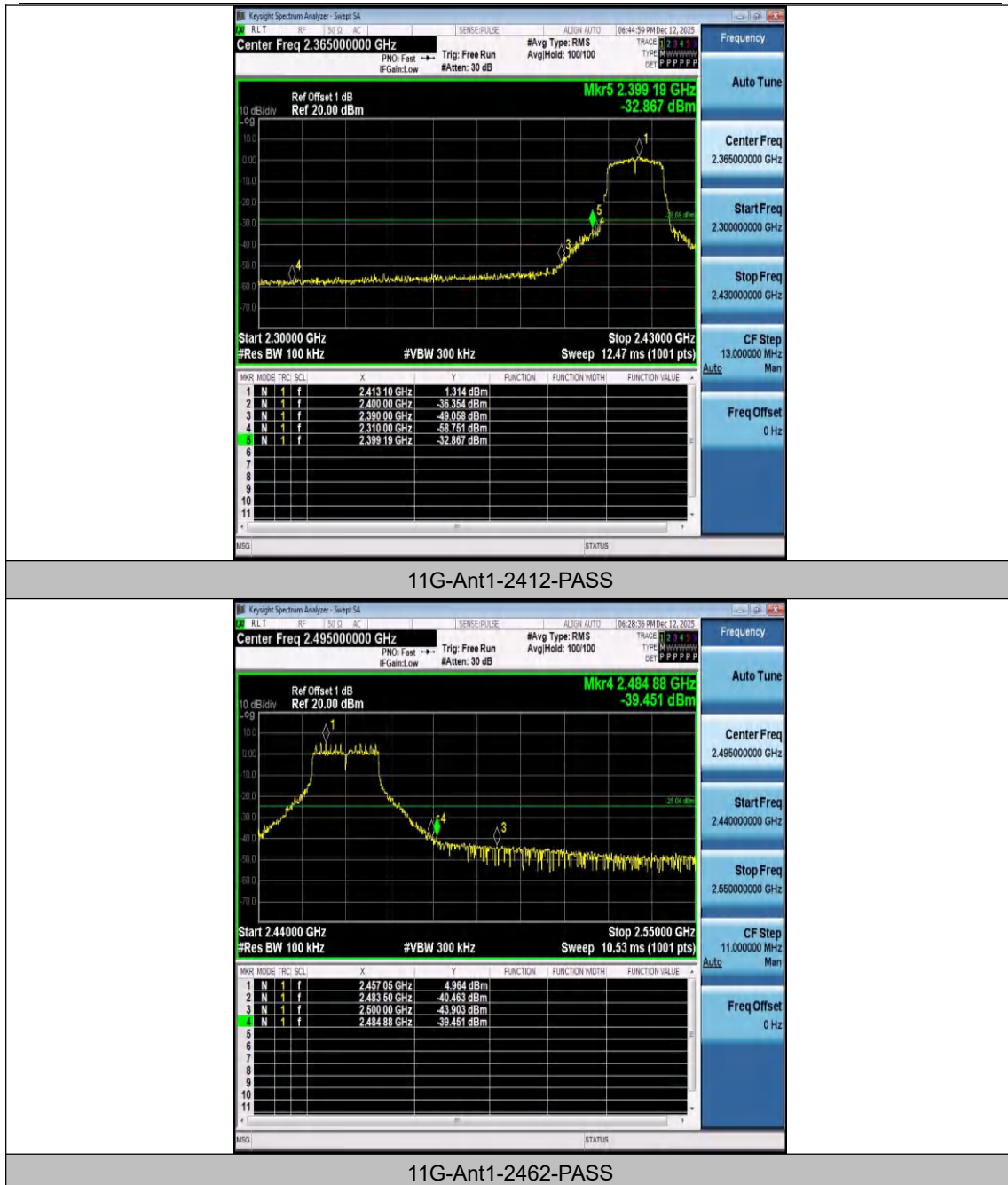
Test Graphs

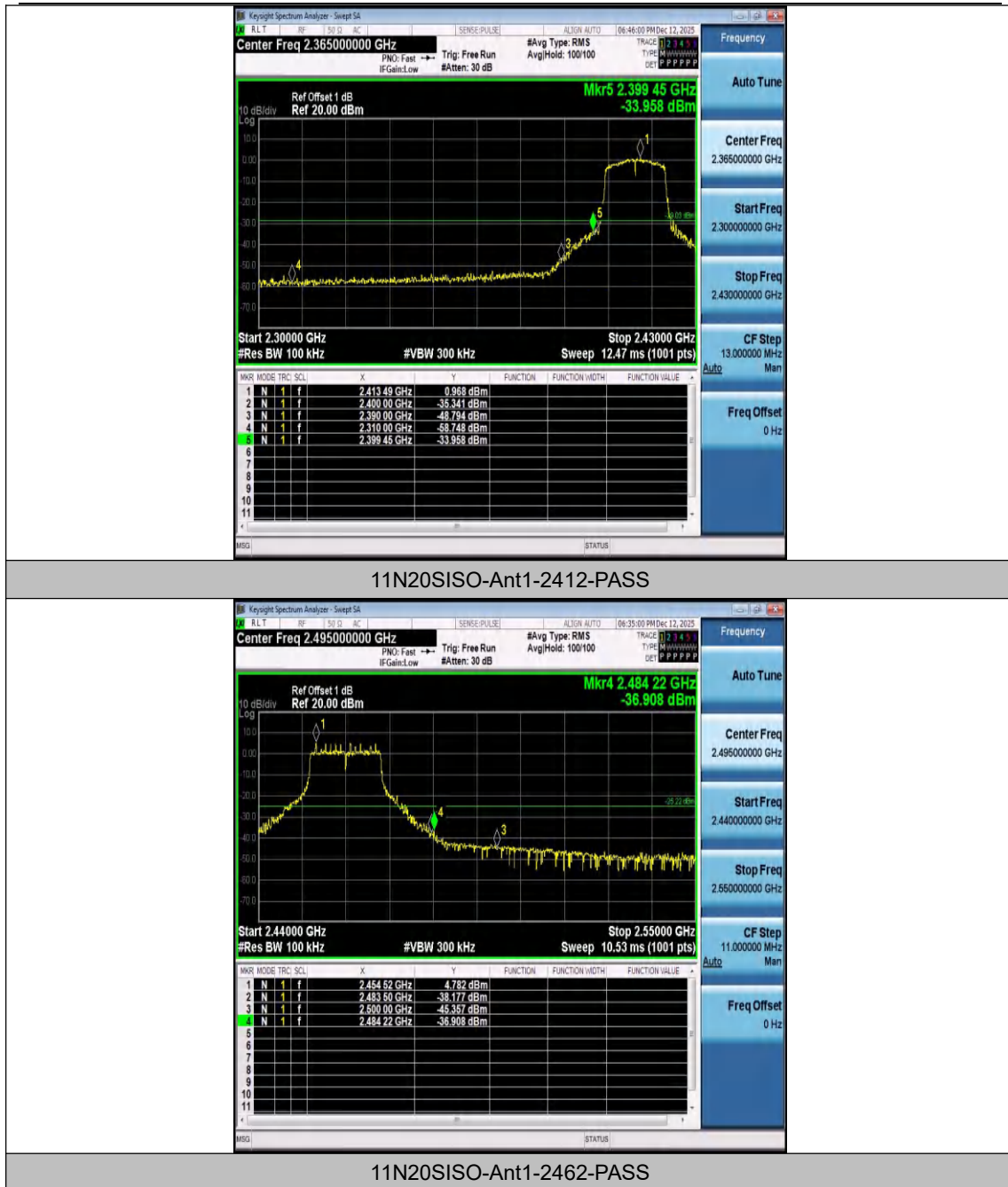


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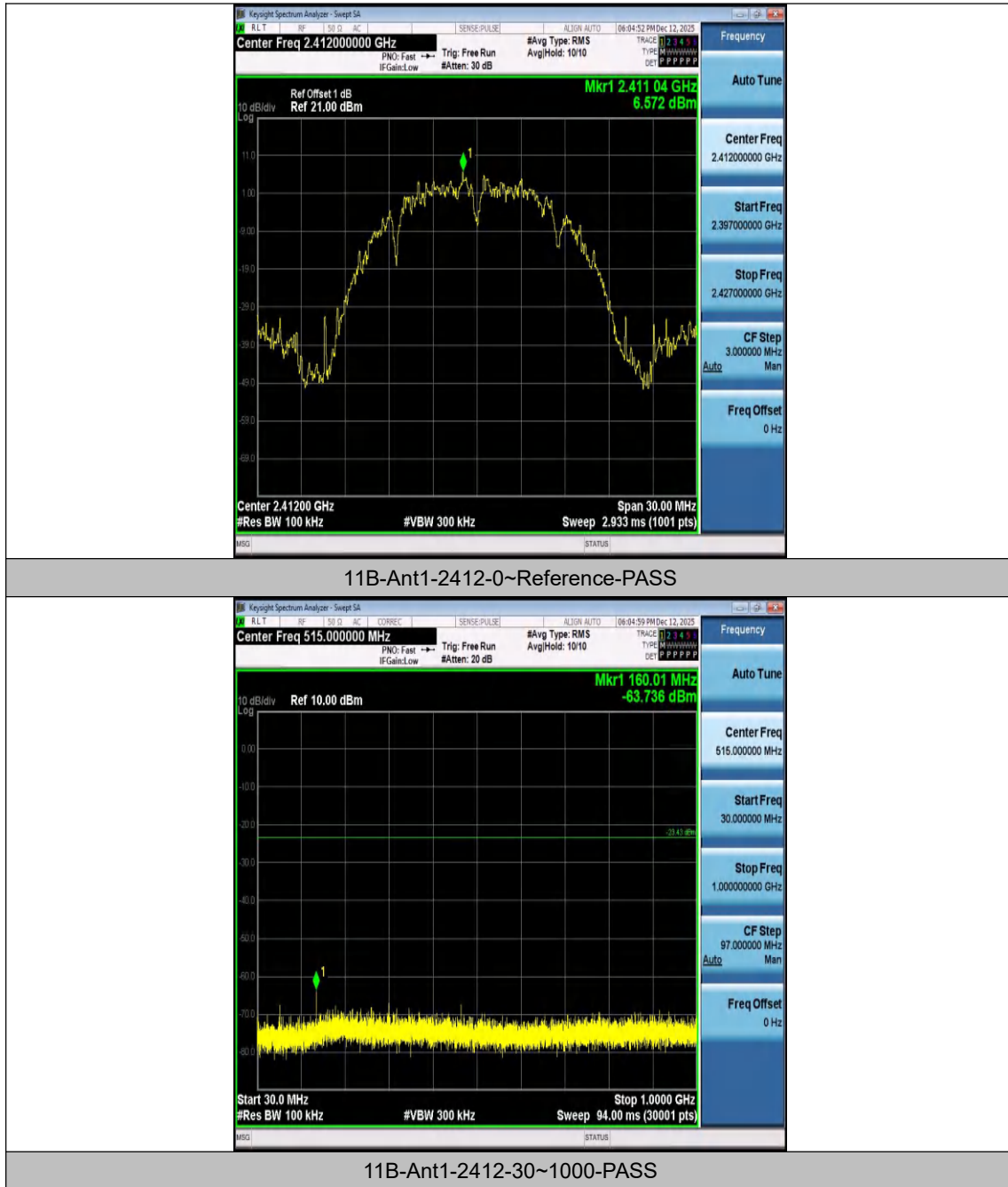
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.57	6.57	---	PASS
11B	Ant1	2412	30~1000	6.57	-63.74	≤-23.43	PASS
11B	Ant1	2412	1000~26500	6.57	-25.29	≤-23.43	PASS
11B	Ant1	2437	0~Reference	5.51	5.51	---	PASS
11B	Ant1	2437	30~1000	5.51	-63.64	≤-24.49	PASS
11B	Ant1	2437	1000~26500	5.51	-24.95	≤-24.49	PASS
11B	Ant1	2462	0~Reference	6.11	6.11	---	PASS
11B	Ant1	2462	30~1000	6.11	-63.3	≤-23.89	PASS
11B	Ant1	2462	1000~26500	6.11	-26.59	≤-23.89	PASS
11G	Ant1	2412	0~Reference	4.97	4.97	---	PASS
11G	Ant1	2412	30~1000	4.97	-63.38	≤-25.03	PASS
11G	Ant1	2412	1000~26500	4.97	-33.13	≤-25.03	PASS
11G	Ant1	2437	0~Reference	4.16	4.16	---	PASS
11G	Ant1	2437	30~1000	4.16	-63.75	≤-25.84	PASS
11G	Ant1	2437	1000~26500	4.16	-32.56	≤-25.84	PASS
11G	Ant1	2462	0~Reference	1.73	1.73	---	PASS
11G	Ant1	2462	30~1000	1.73	-63.59	≤-28.27	PASS
11G	Ant1	2462	1000~26500	1.73	-30.93	≤-28.27	PASS
11N20SISO	Ant1	2412	0~Reference	4.91	4.91	---	PASS
11N20SISO	Ant1	2412	30~1000	4.91	-63.22	≤-25.09	PASS
11N20SISO	Ant1	2412	1000~26500	4.91	-31.93	≤-25.09	PASS
11N20SISO	Ant1	2437	0~Reference	3.17	3.17	---	PASS
11N20SISO	Ant1	2437	30~1000	3.17	-63.09	≤-26.83	PASS
11N20SISO	Ant1	2437	1000~26500	3.17	-33.97	≤-26.83	PASS
11N20SISO	Ant1	2462	0~Reference	2.94	2.94	---	PASS
11N20SISO	Ant1	2462	30~1000	2.94	-63.08	≤-27.06	PASS
11N20SISO	Ant1	2462	1000~26500	2.94	-33.66	≤-27.06	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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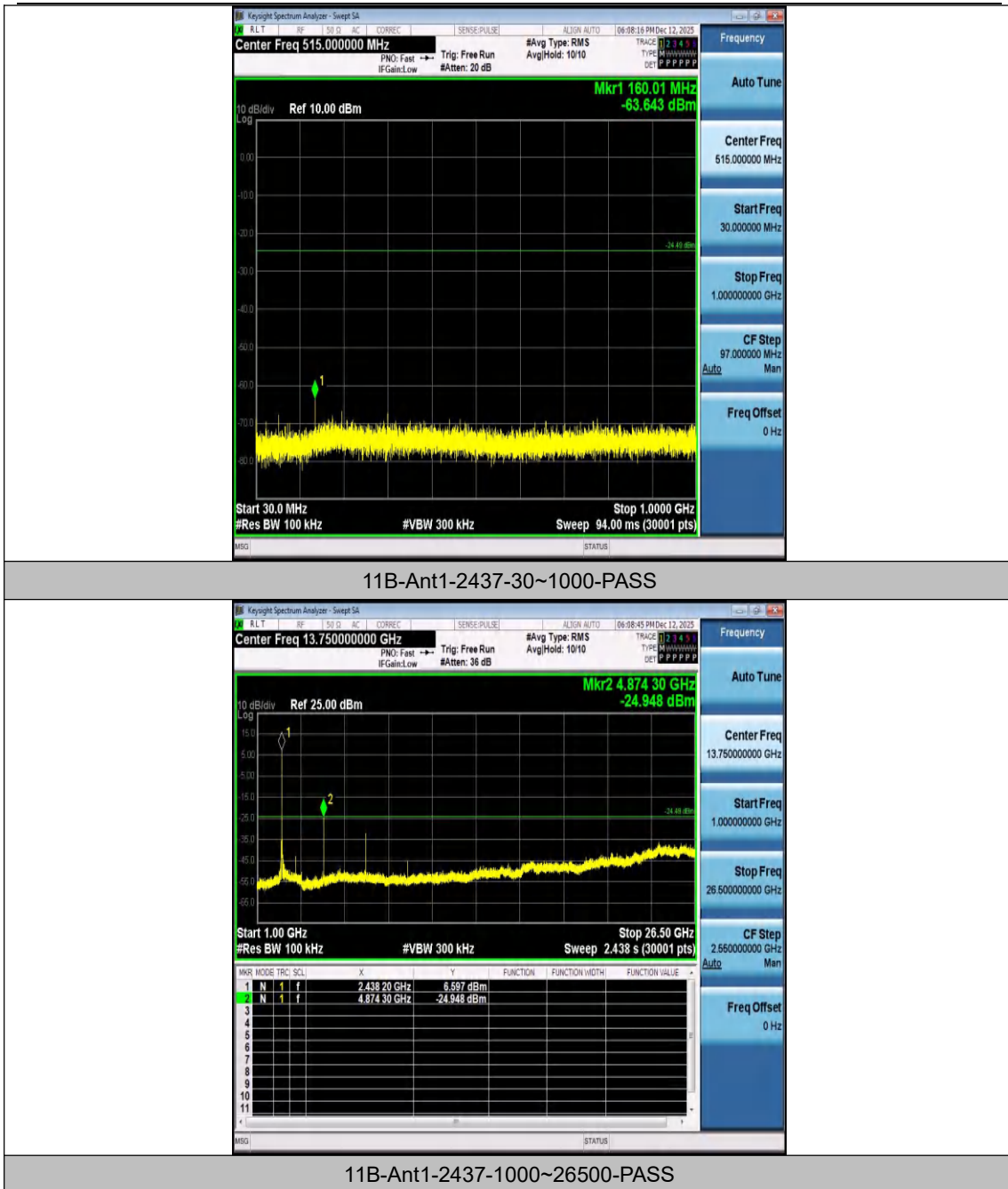
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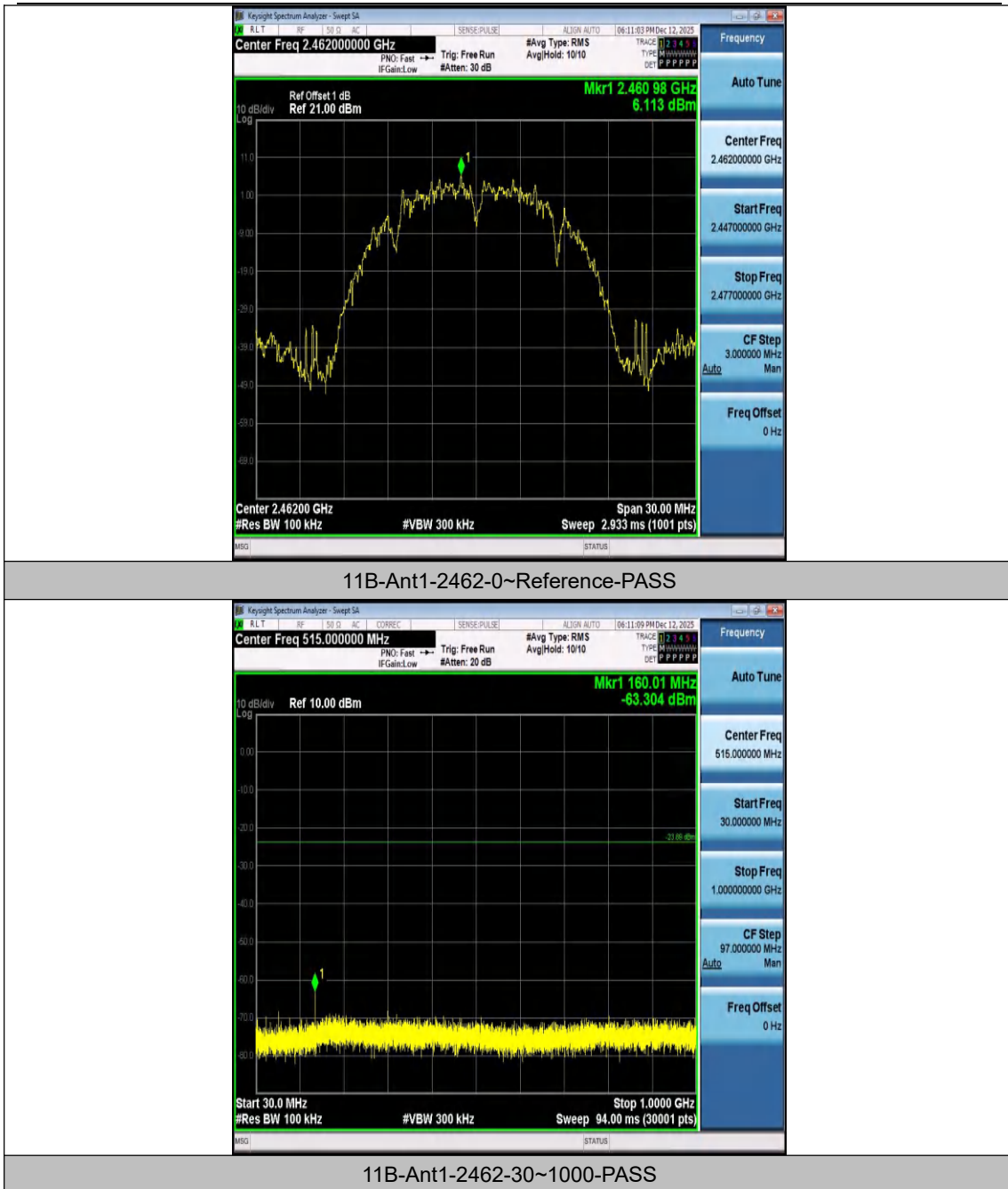
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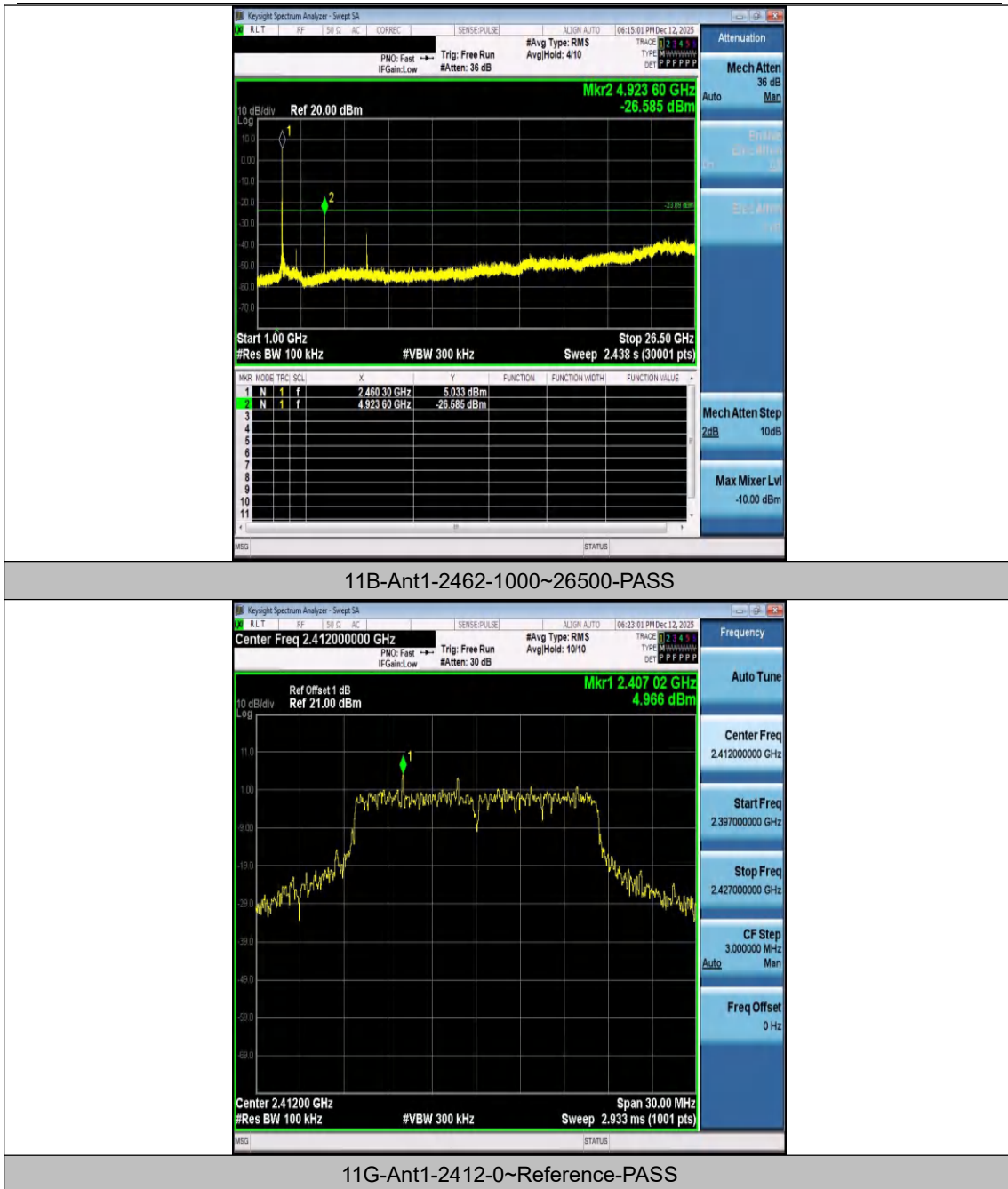
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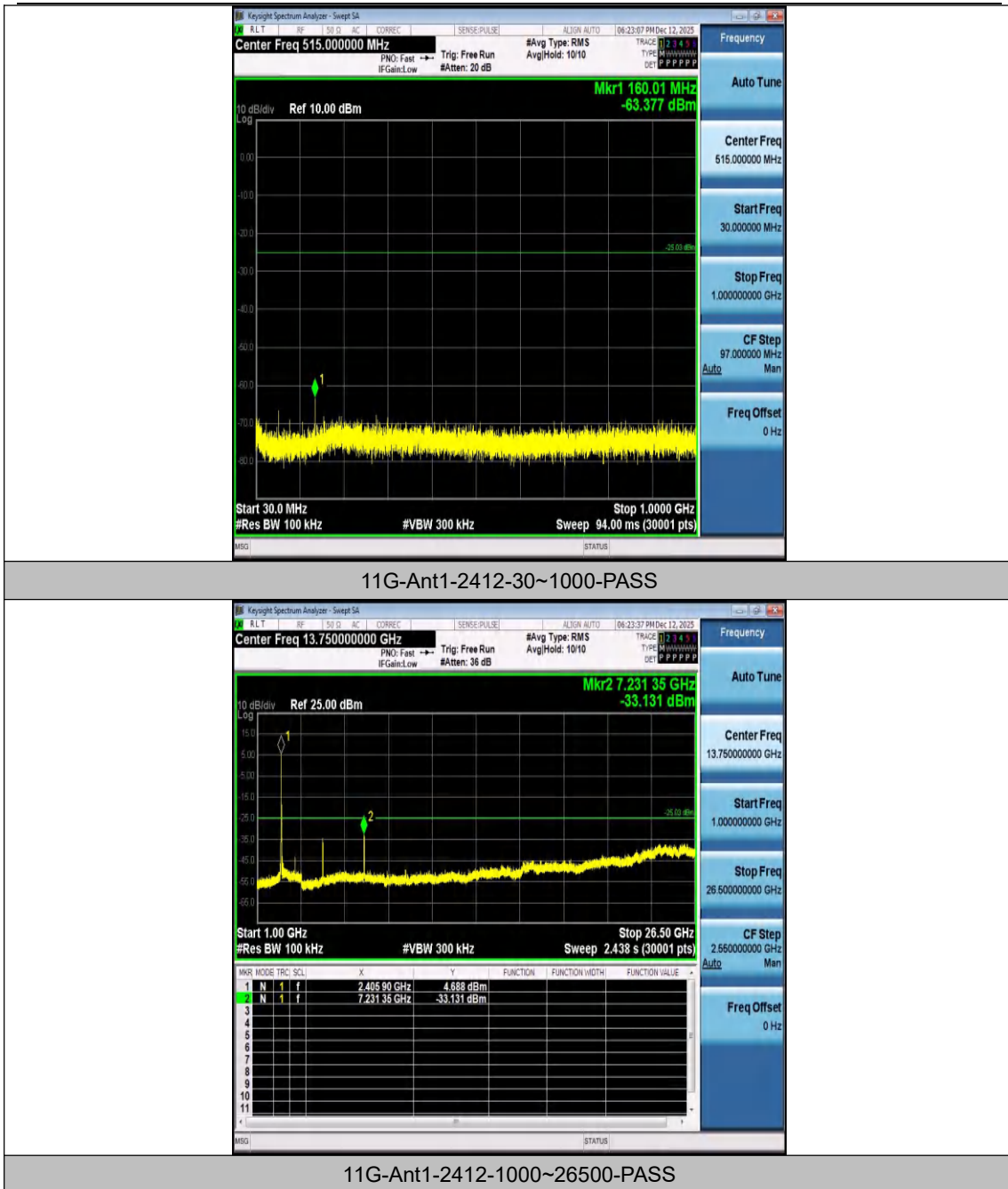
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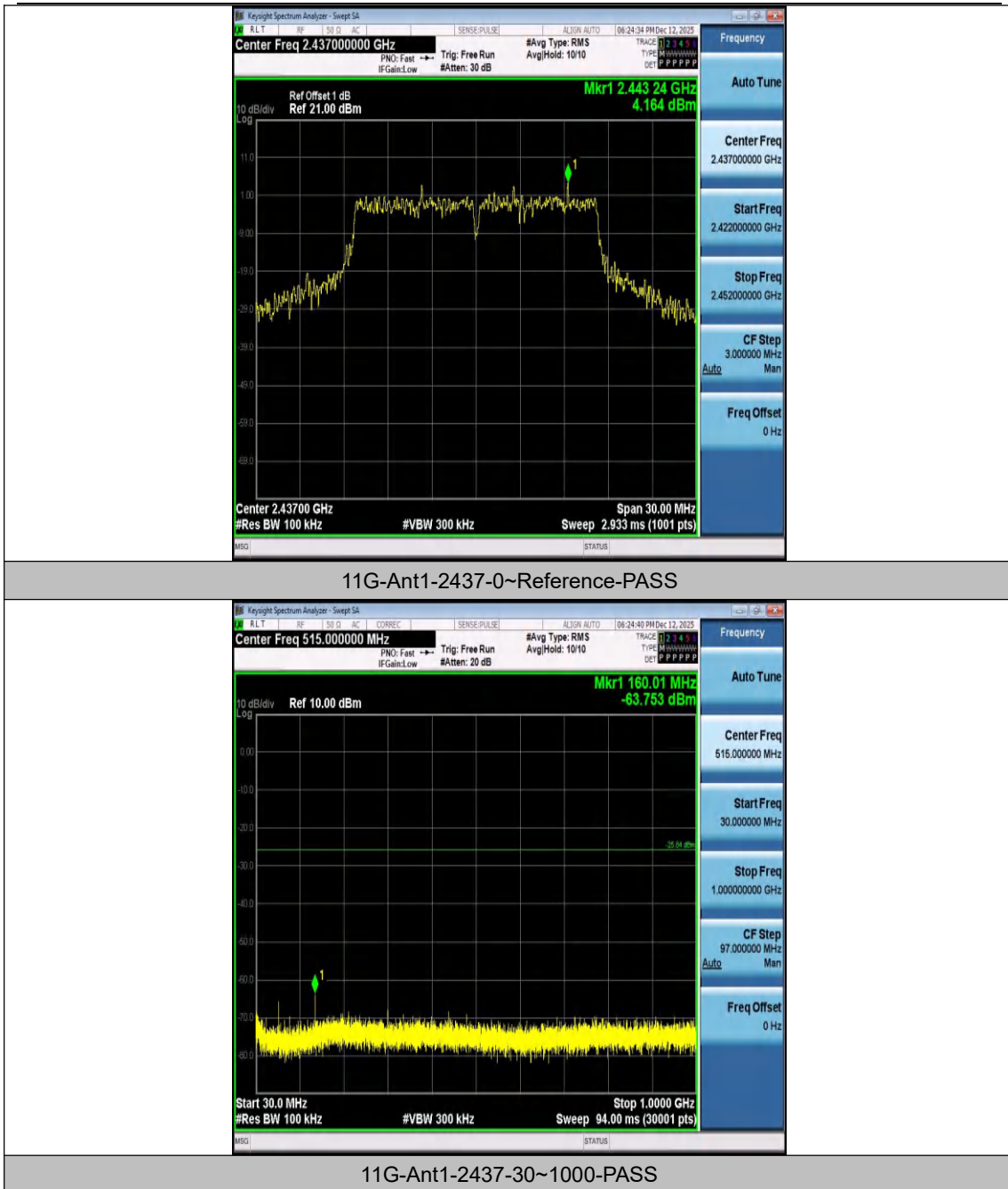
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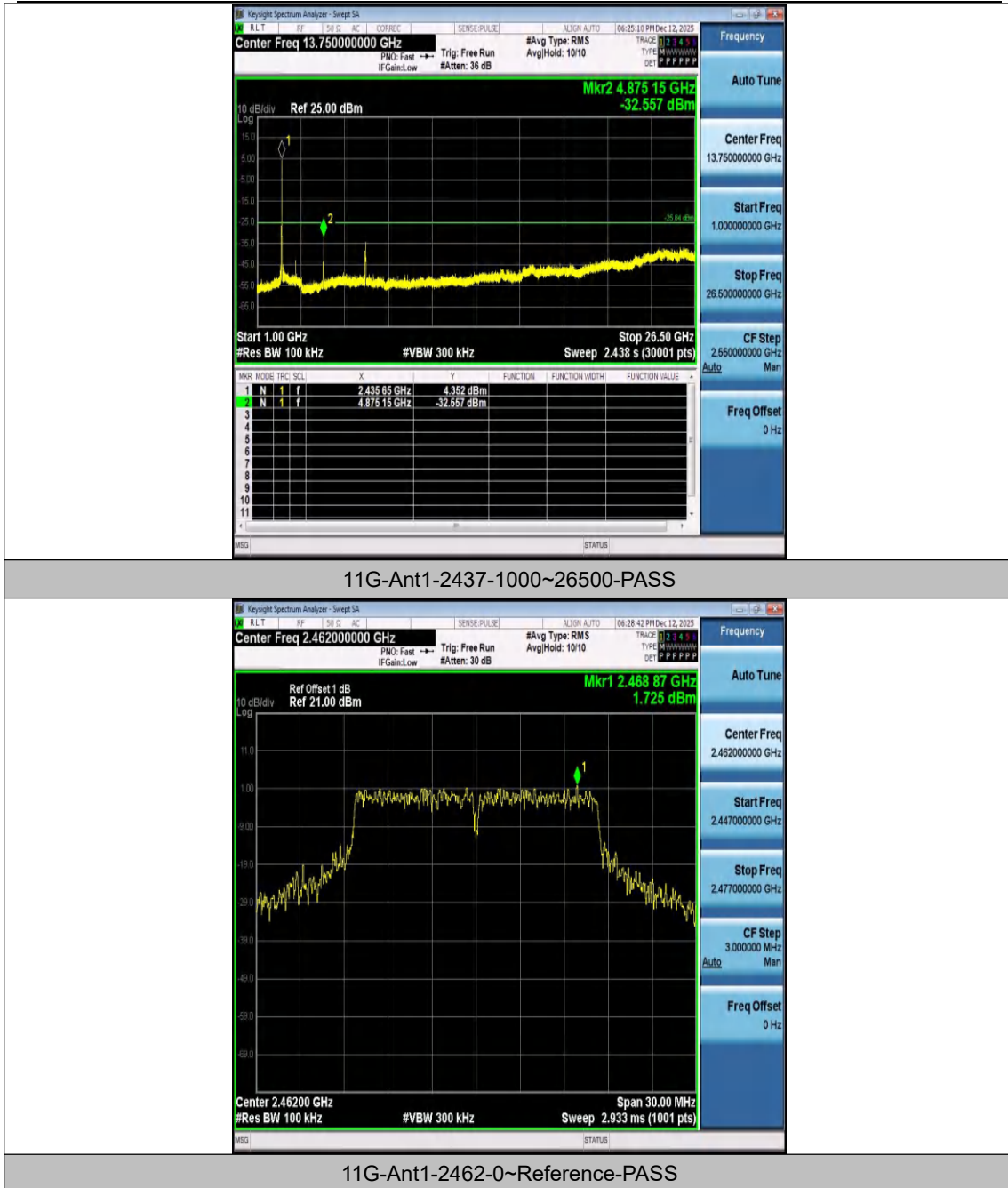
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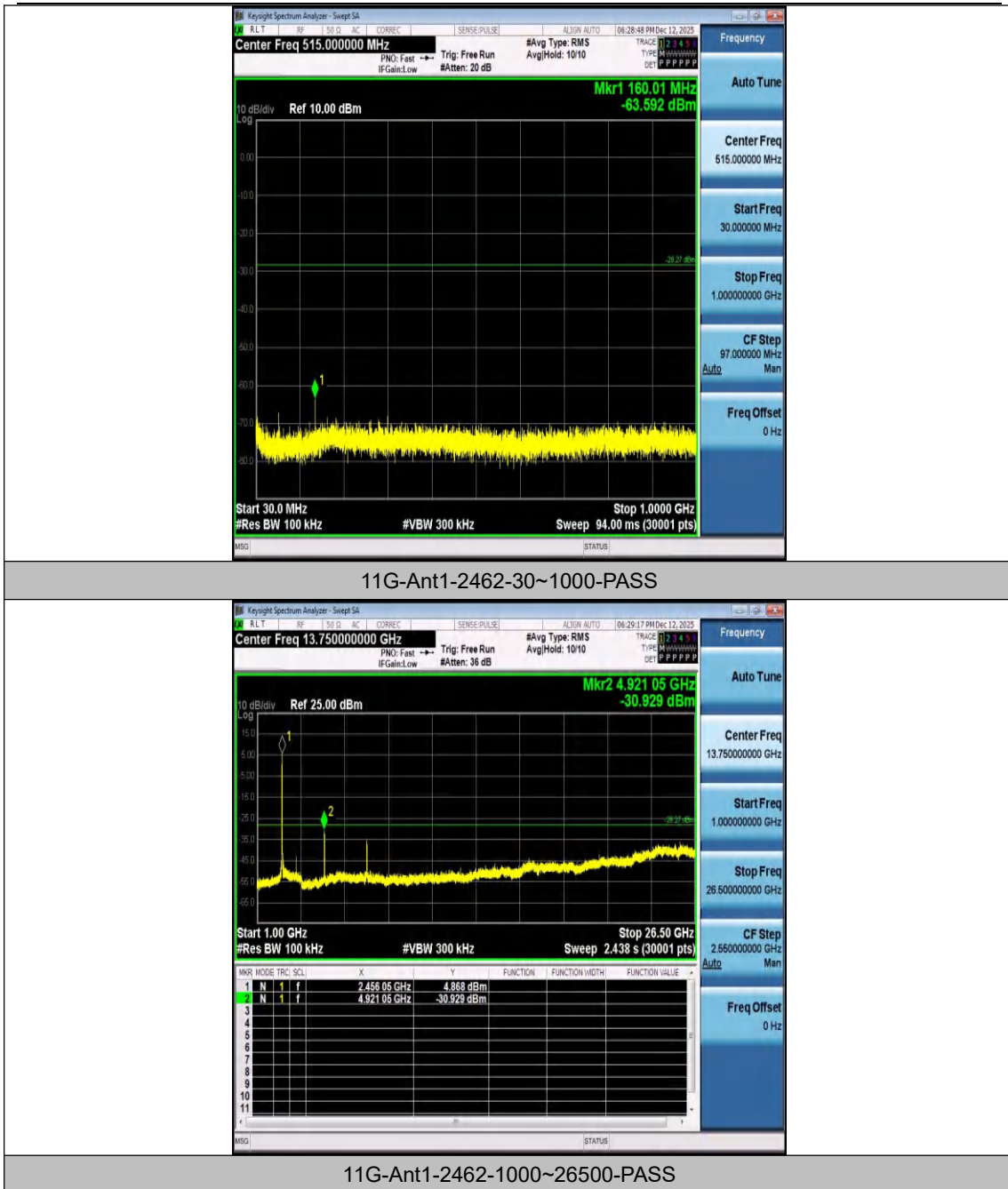
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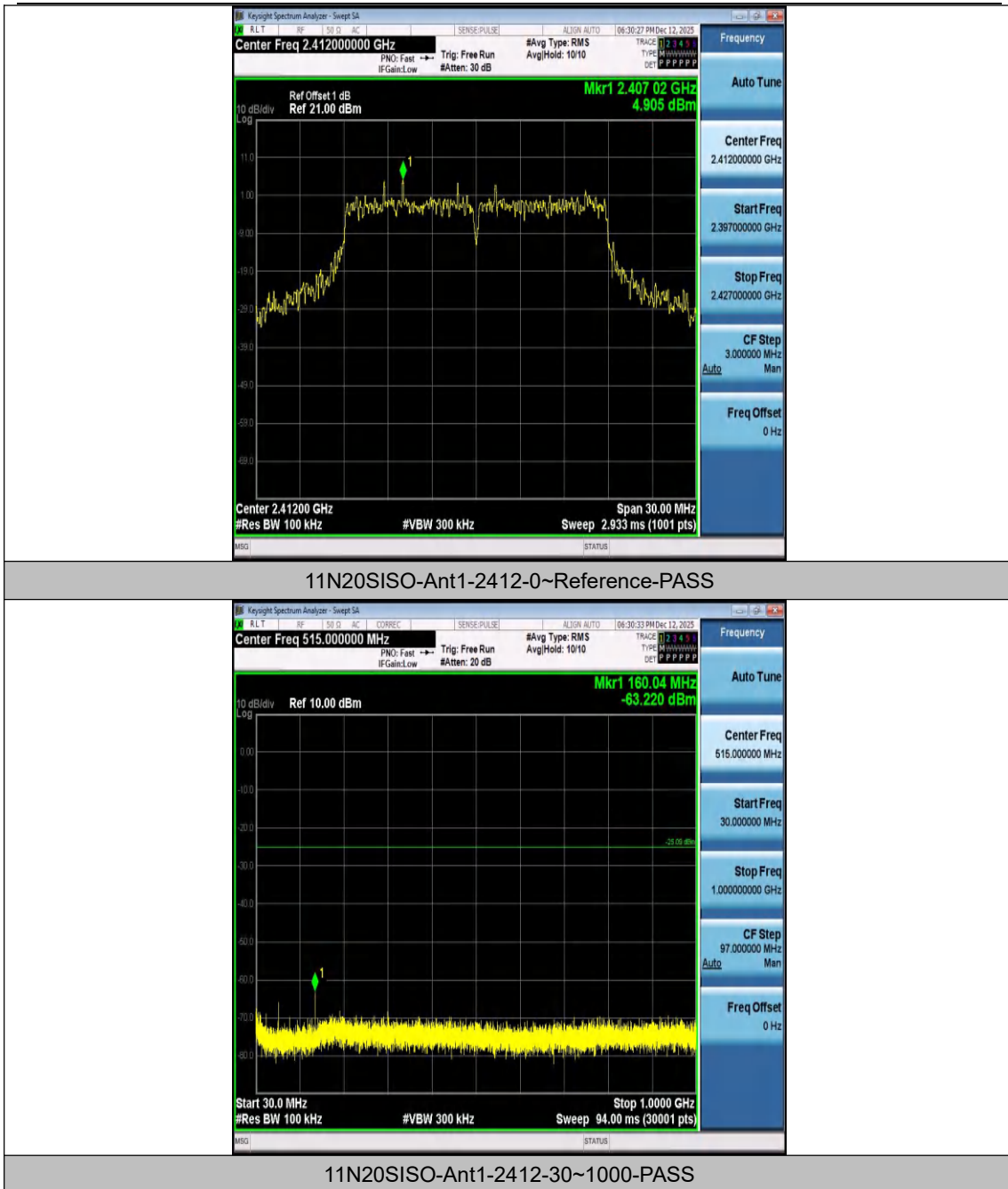
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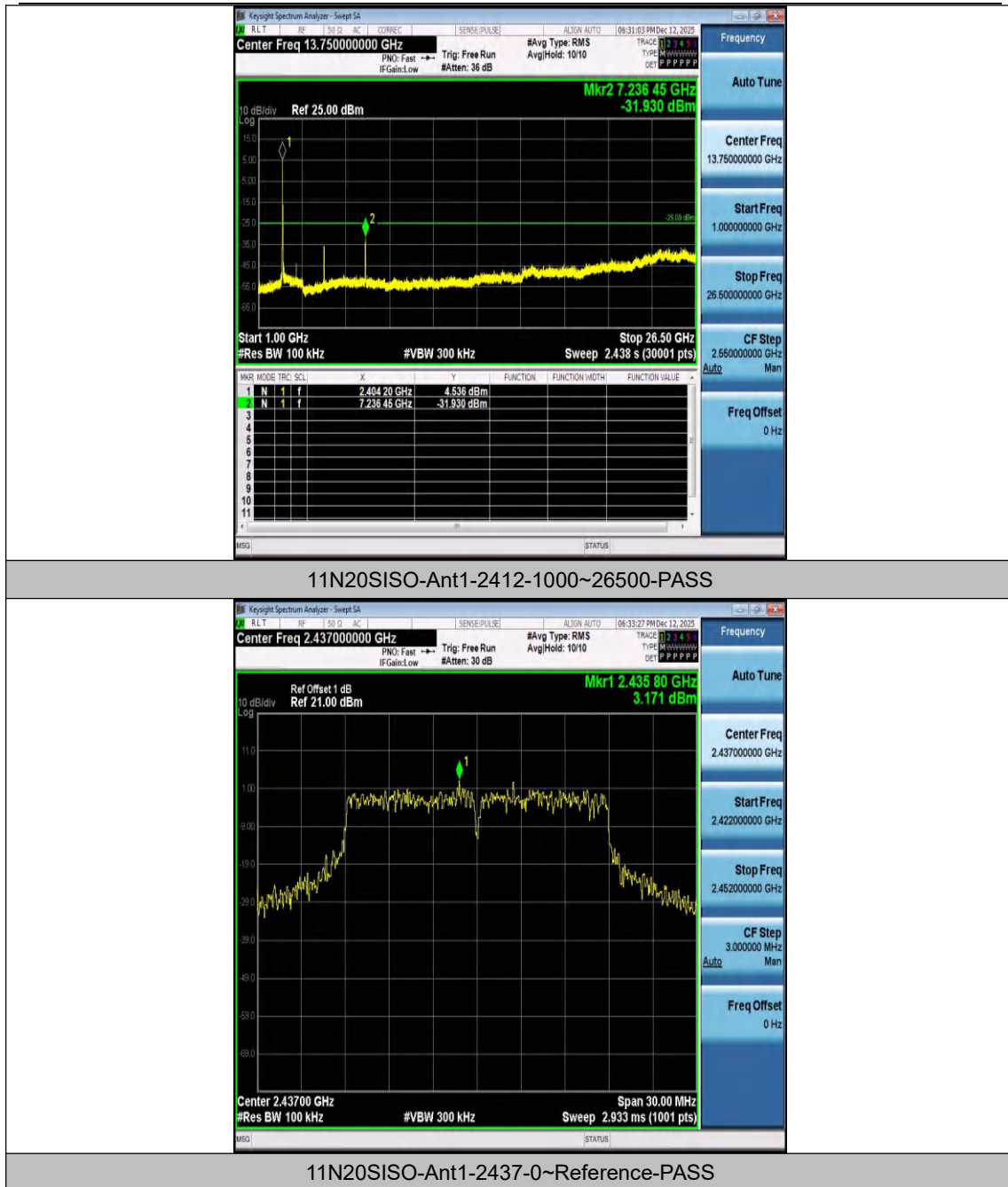
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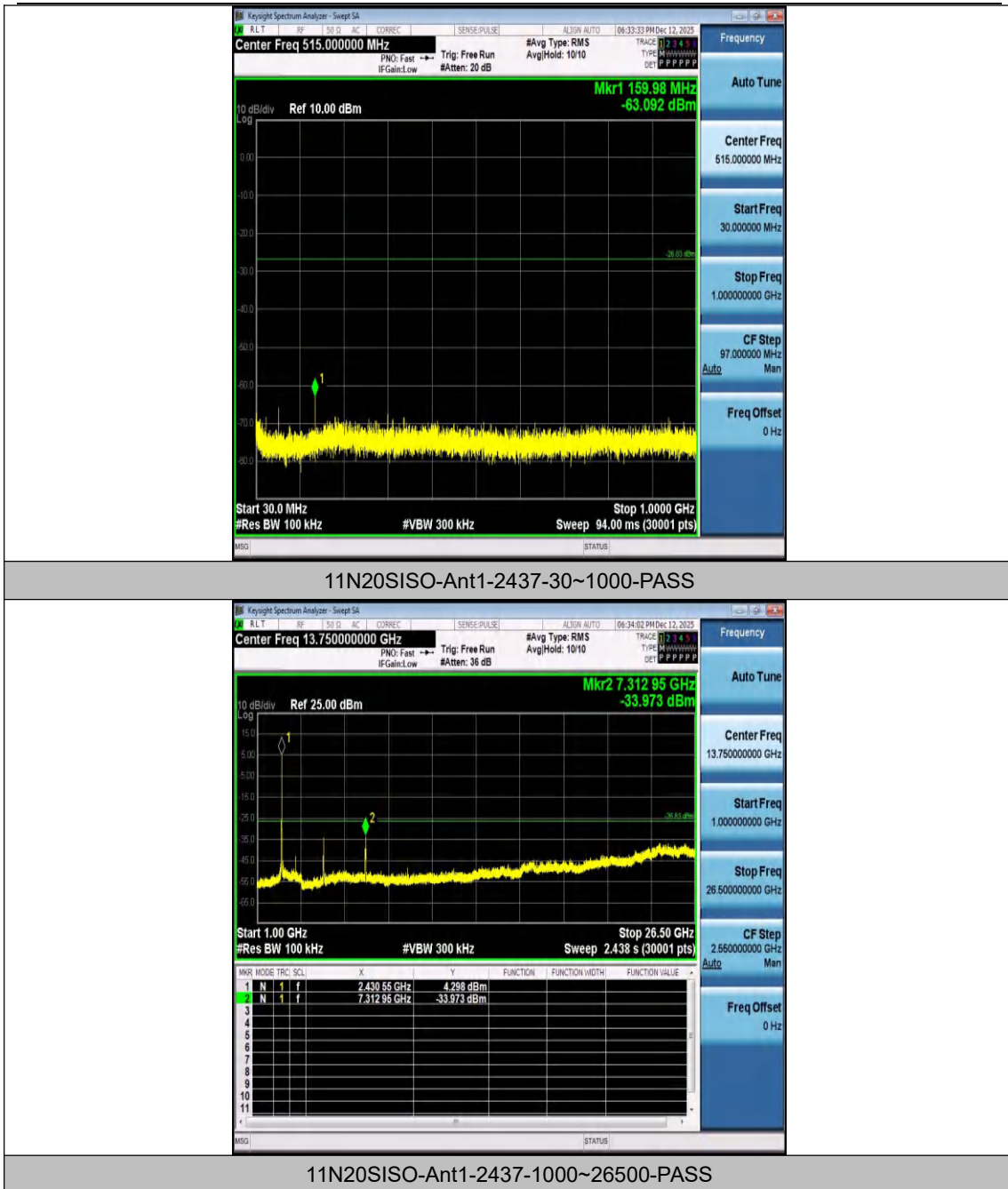
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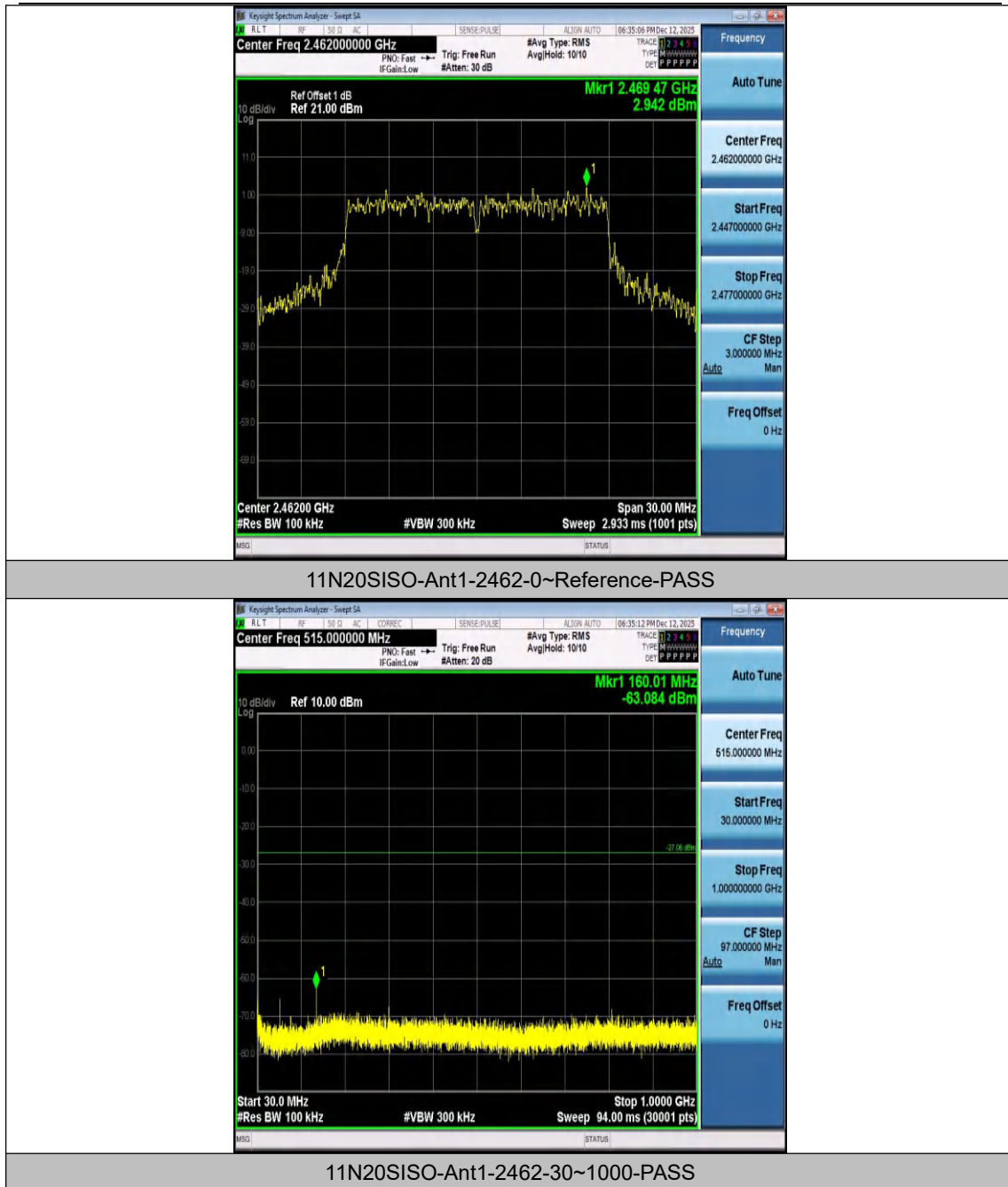
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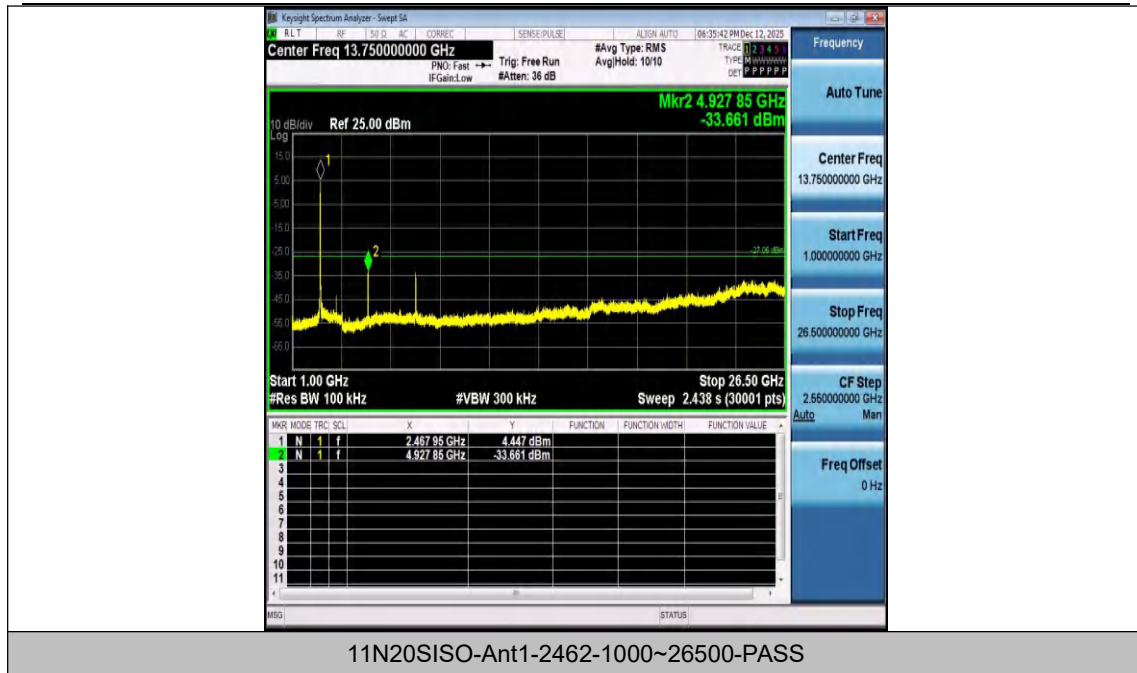
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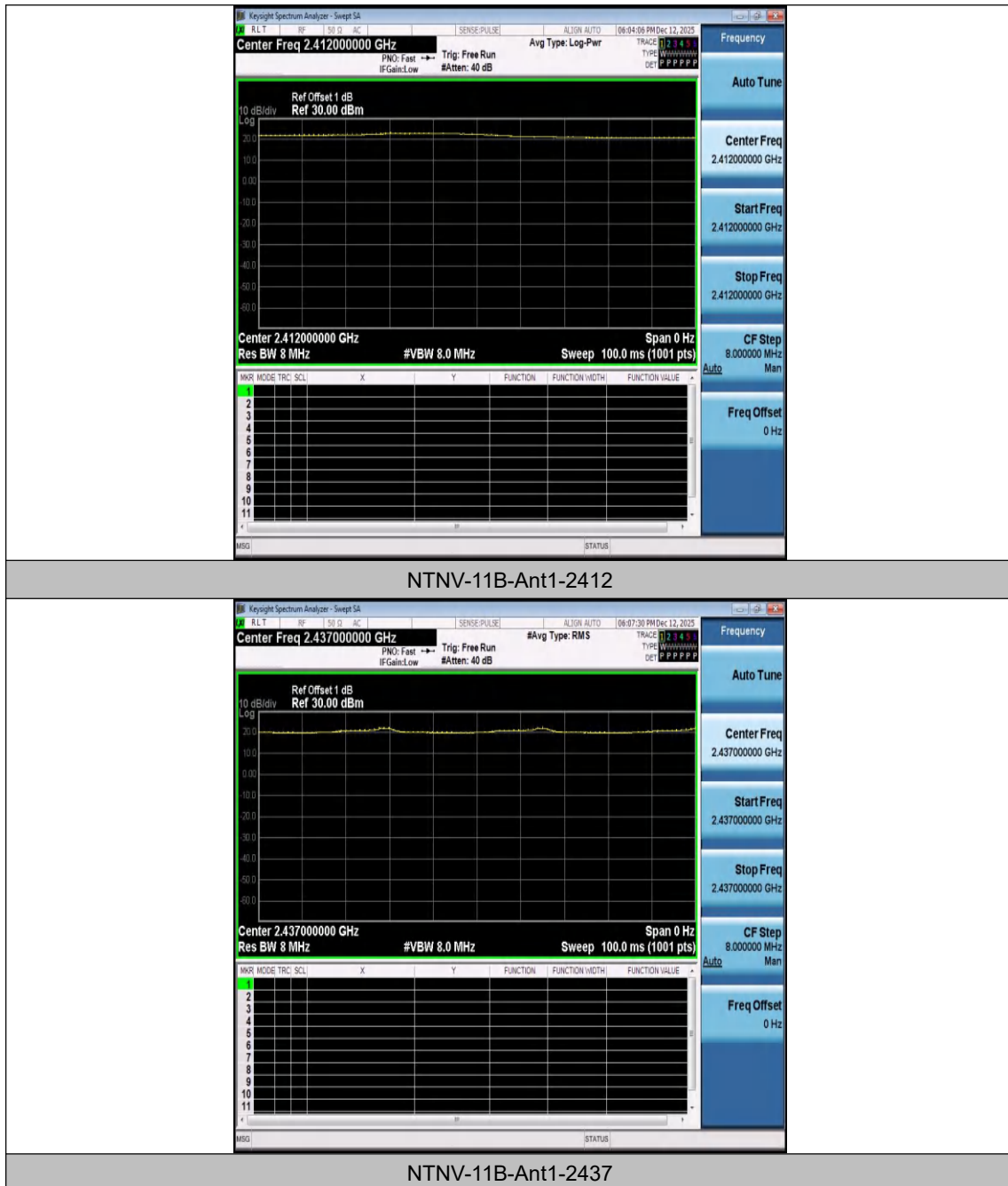
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Appendix G: Duty Cycle

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

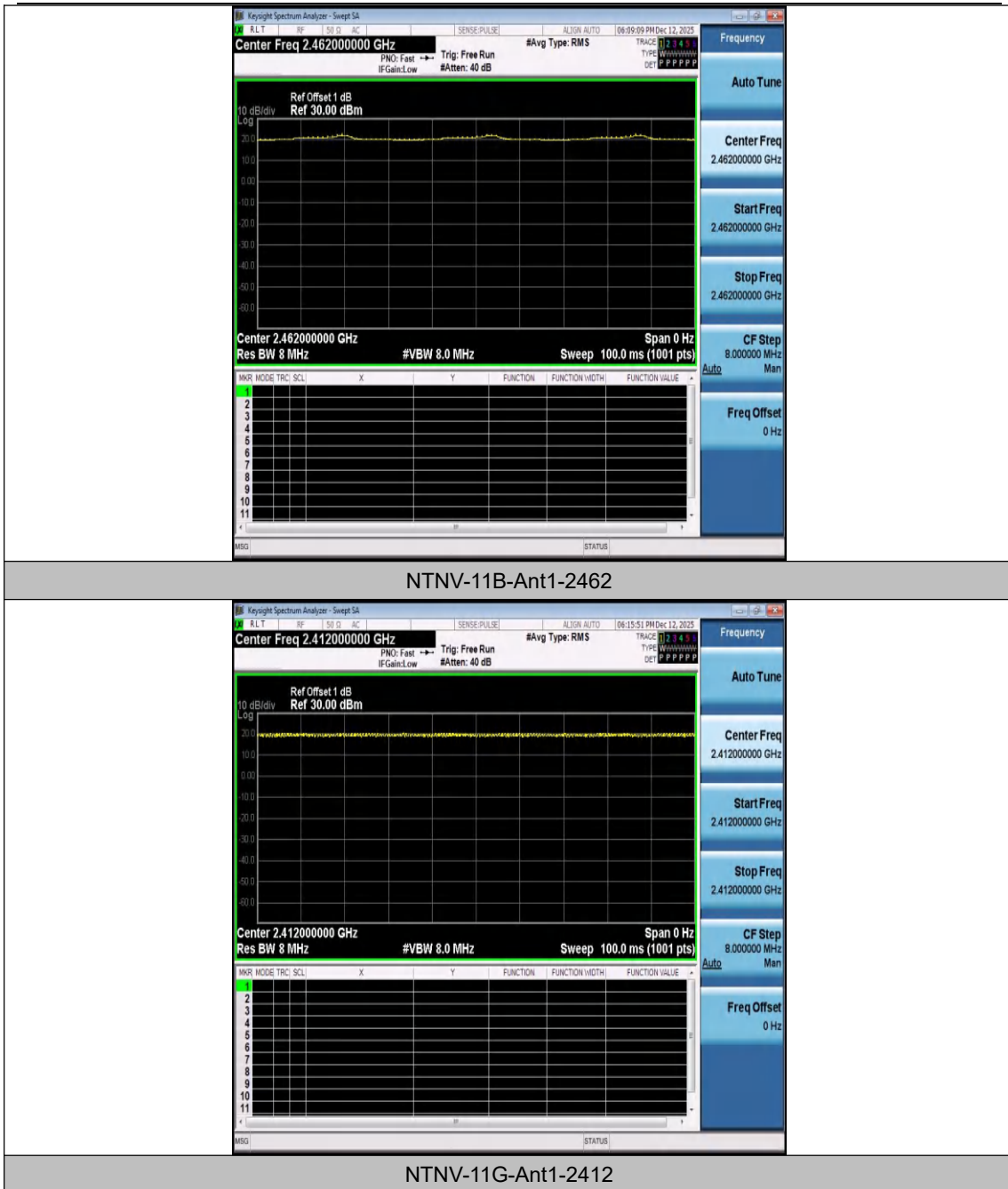
Test Graphs



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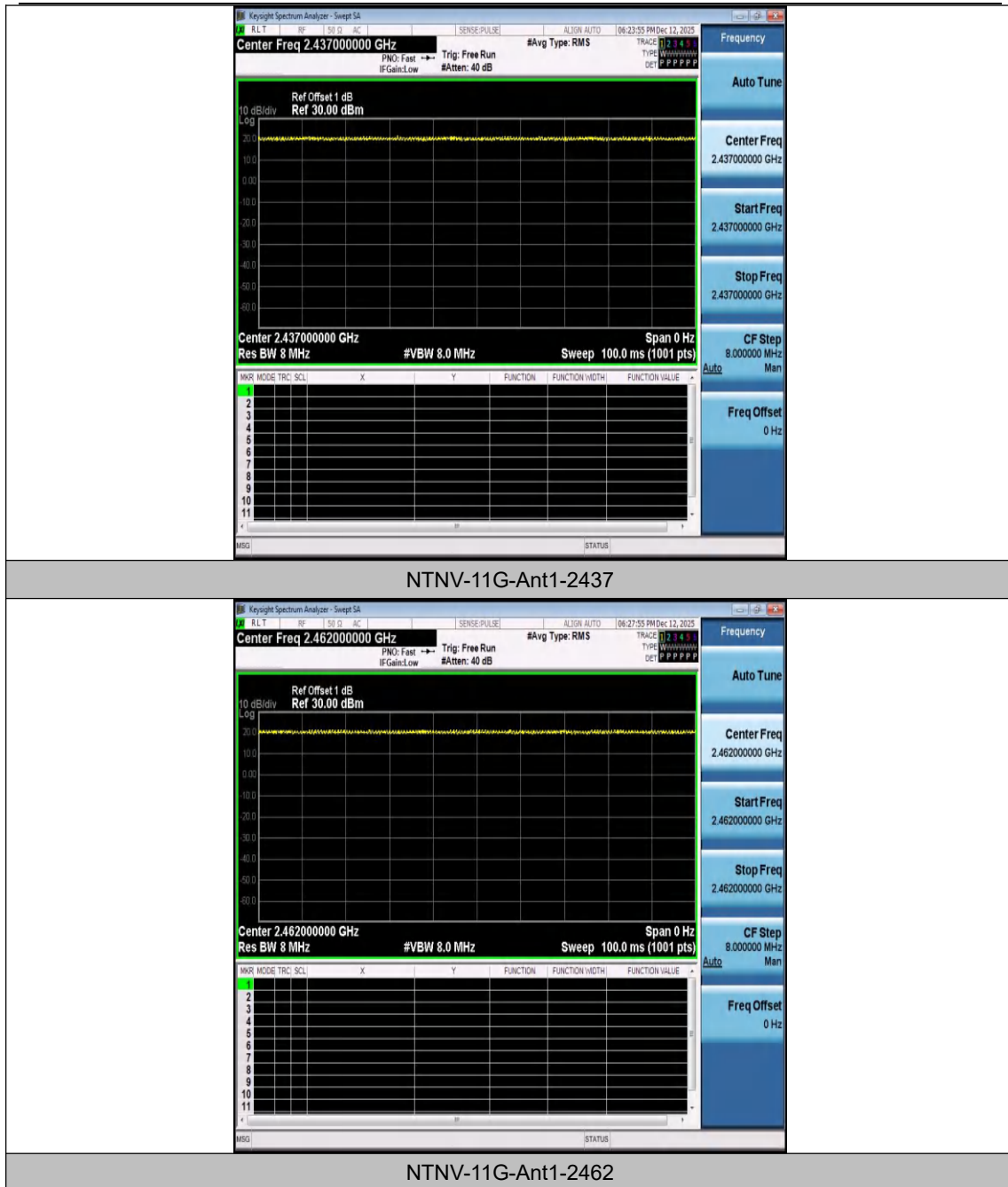
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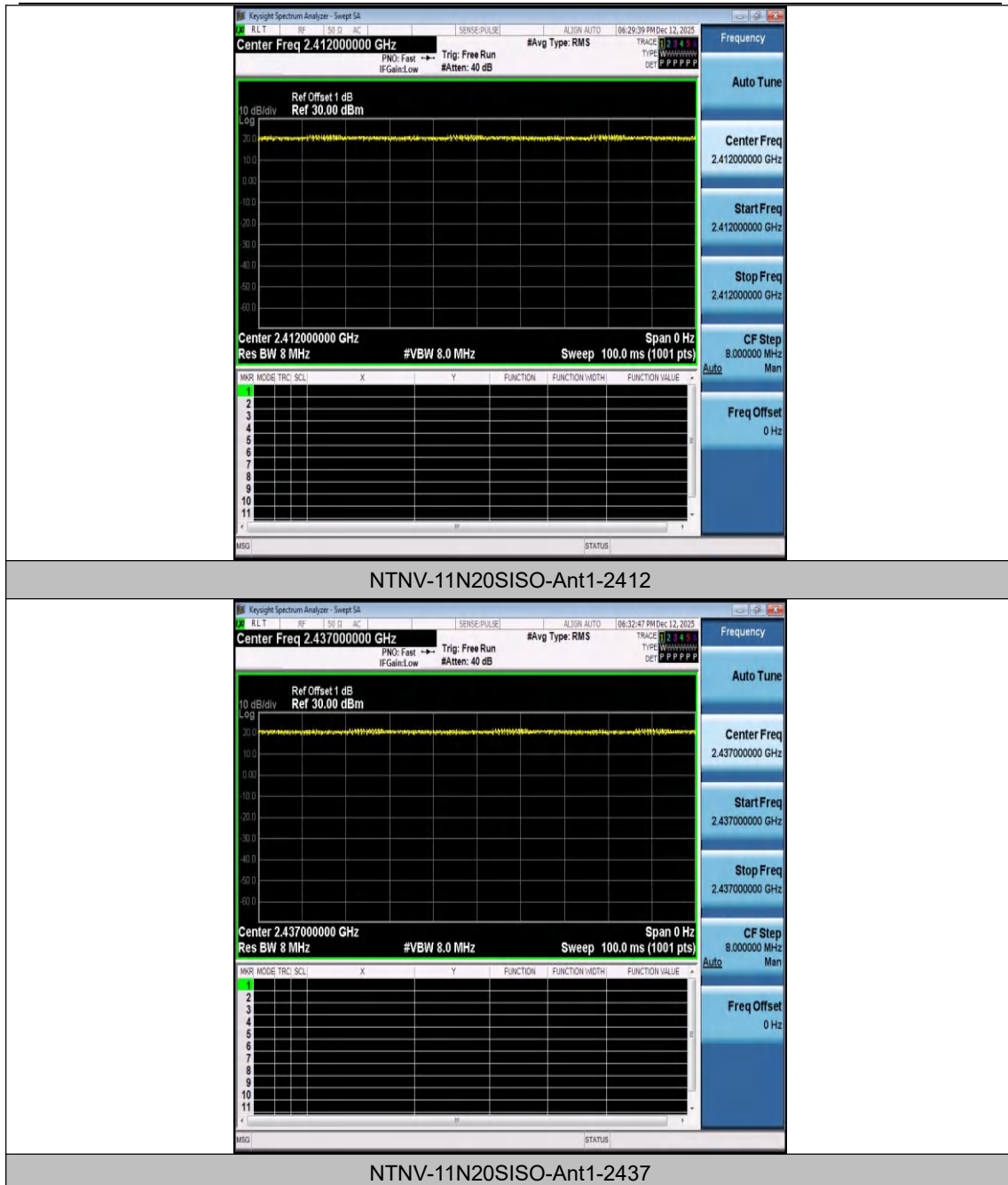
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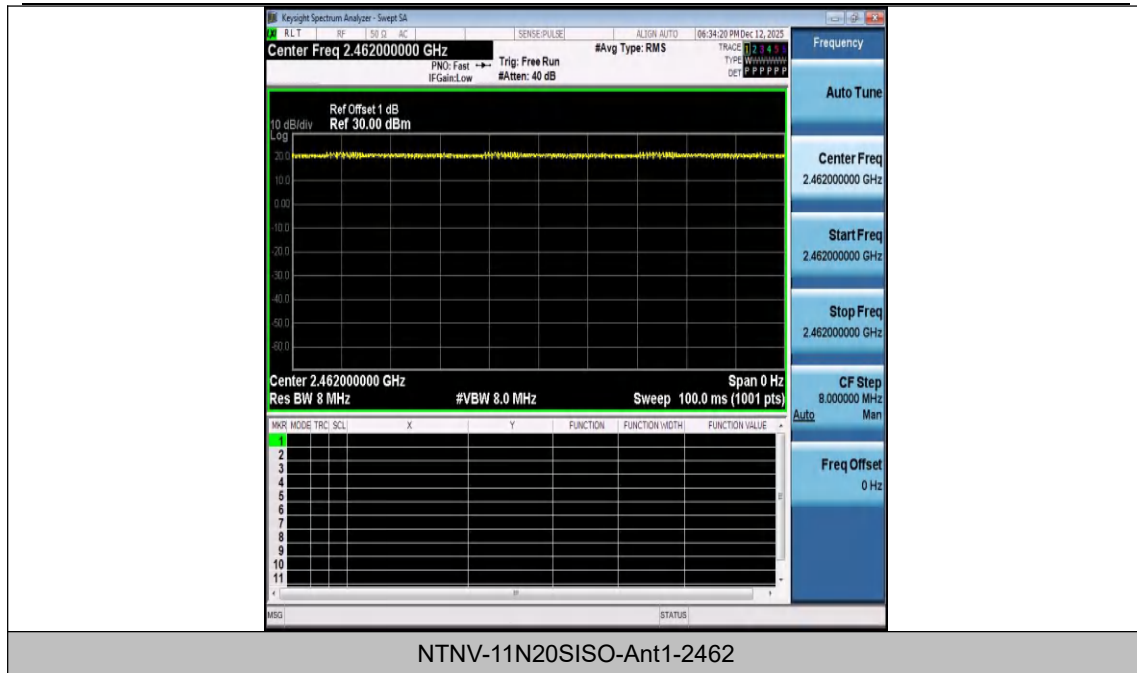
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---End---