

Appendix Test Data

Report No.:	1812C50623512502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-5	Finish Test Date:	2026-1-9
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.8℃	Relative Humidity:	31%
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	2407.400	2416.680	0.5	PASS
11B	Ant1	2437	9.280	2432.400	2441.680	0.5	PASS
11B	Ant1	2462	9.280	2457.400	2466.680	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
11G	Ant1	2437	16.480	2428.800	2445.280	0.5	PASS
11G	Ant1	2462	16.440	2453.840	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.640	2428.200	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.560	2453.240	2470.800	0.5	PASS

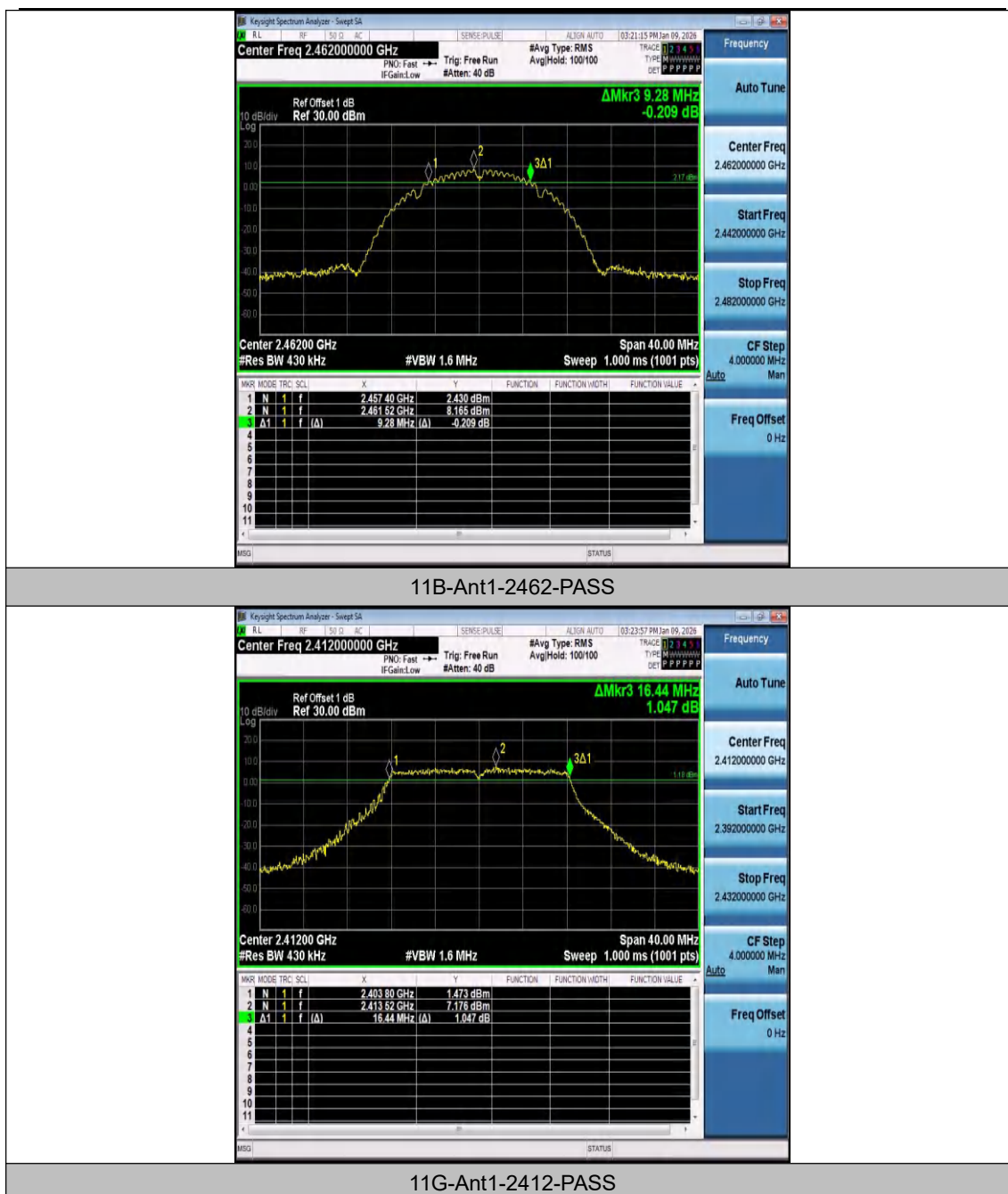
Test Graphs

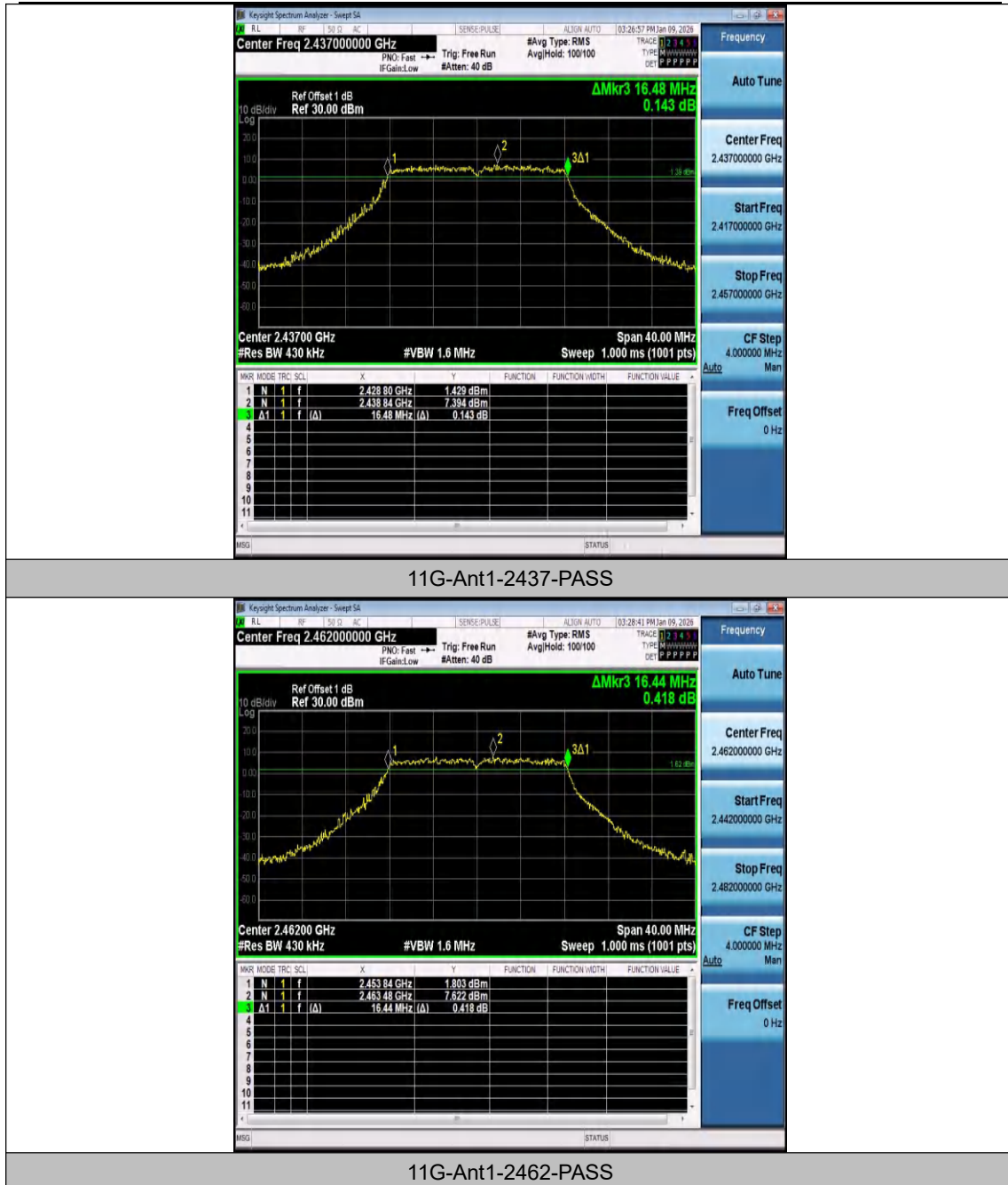


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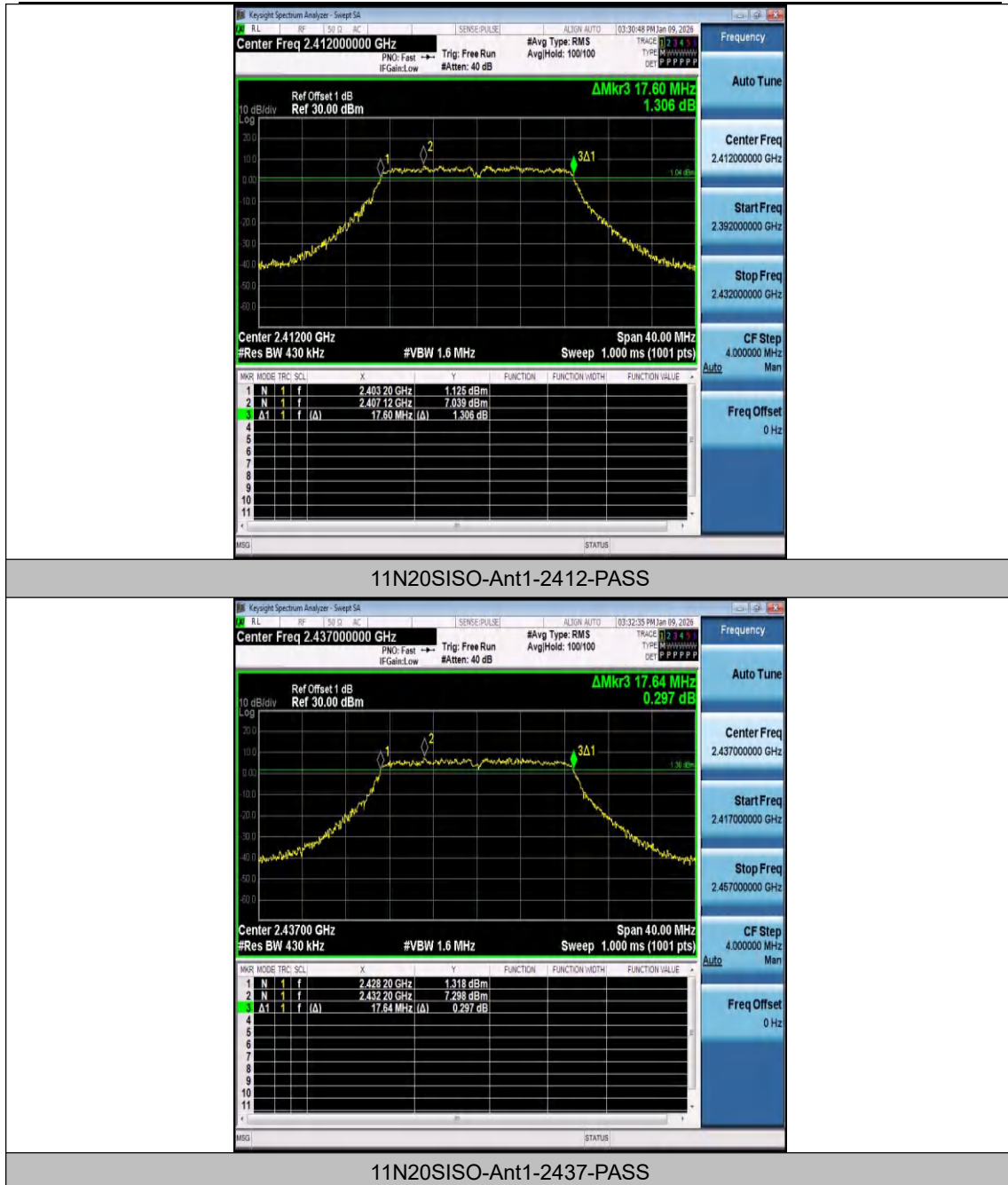




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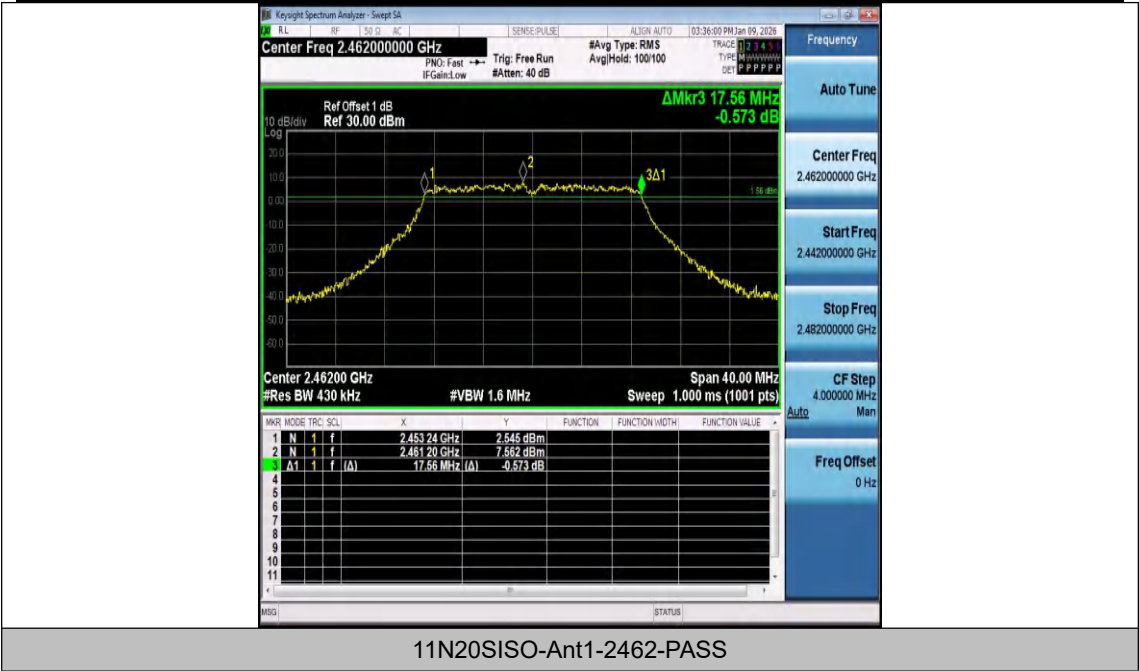
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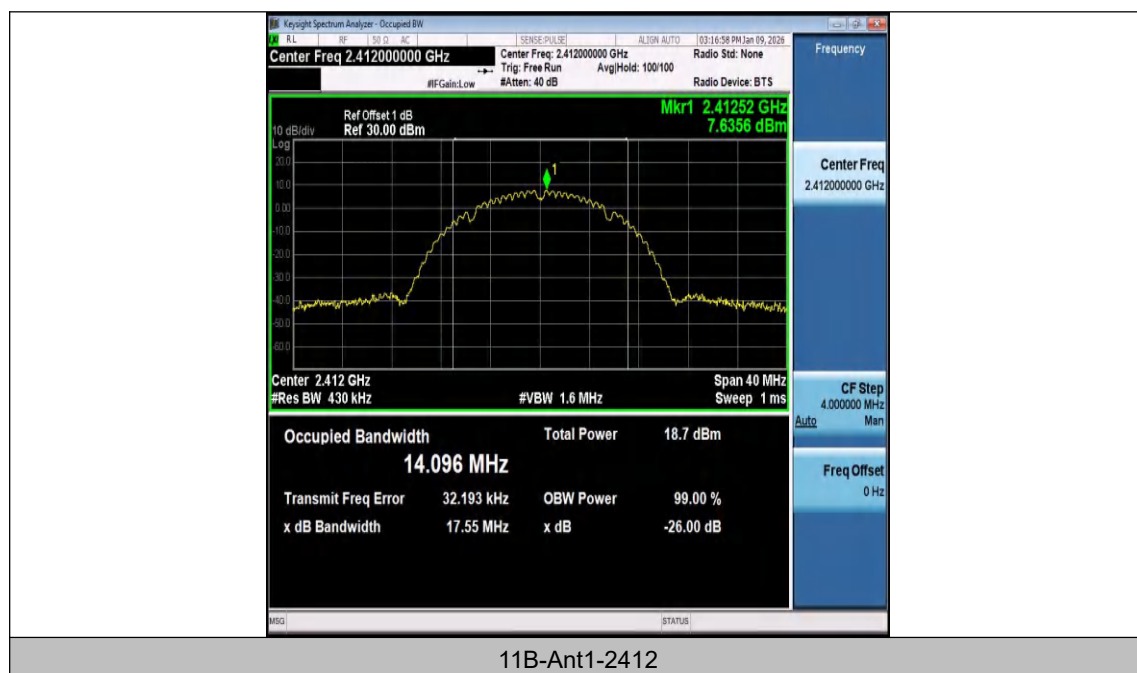
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.096	2404.9842	2419.0802	---	---
11B	Ant1	2437	14.101	2429.9774	2444.0784	---	---
11B	Ant1	2462	14.099	2454.9780	2469.0770	---	---
11G	Ant1	2412	17.104	2403.4148	2420.5188	---	---
11G	Ant1	2437	17.153	2428.3792	2445.5322	---	---
11G	Ant1	2462	17.028	2453.4677	2470.4957	---	---
11N20SISO	Ant1	2412	18.185	2402.9548	2421.1398	---	---
11N20SISO	Ant1	2437	18.215	2427.8950	2446.1100	---	---
11N20SISO	Ant1	2462	18.192	2452.9325	2471.1245	---	---

Test Graphs





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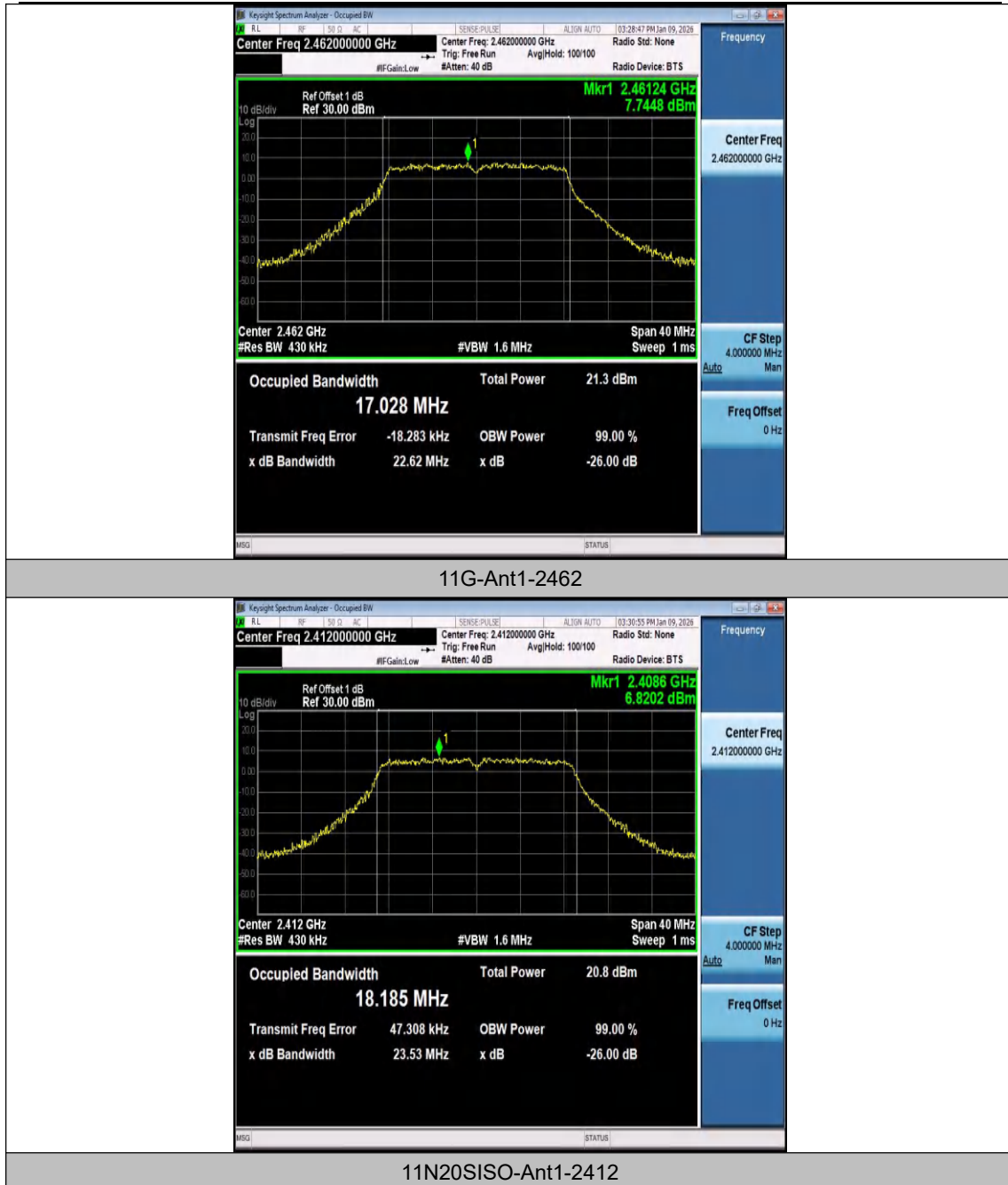
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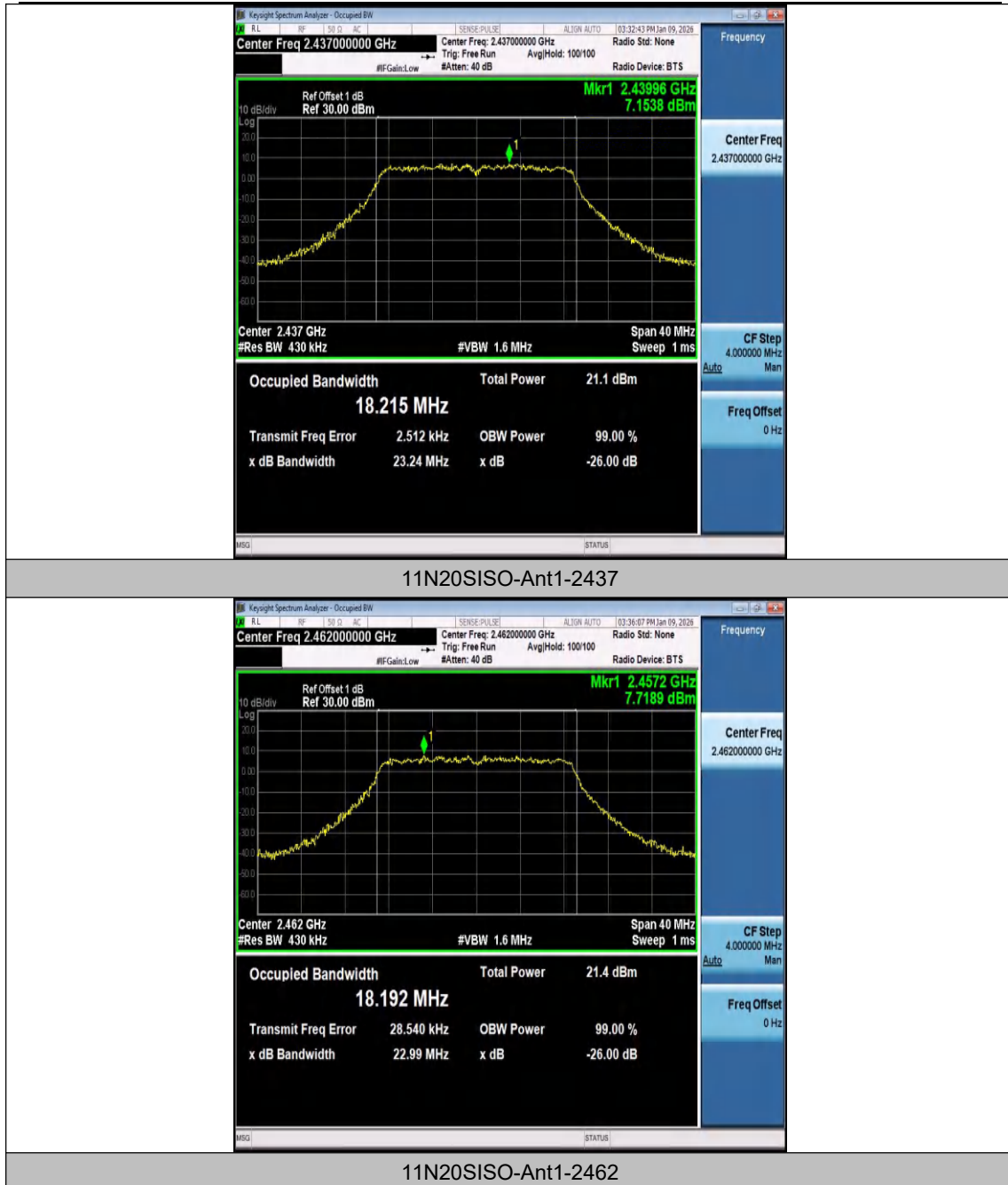
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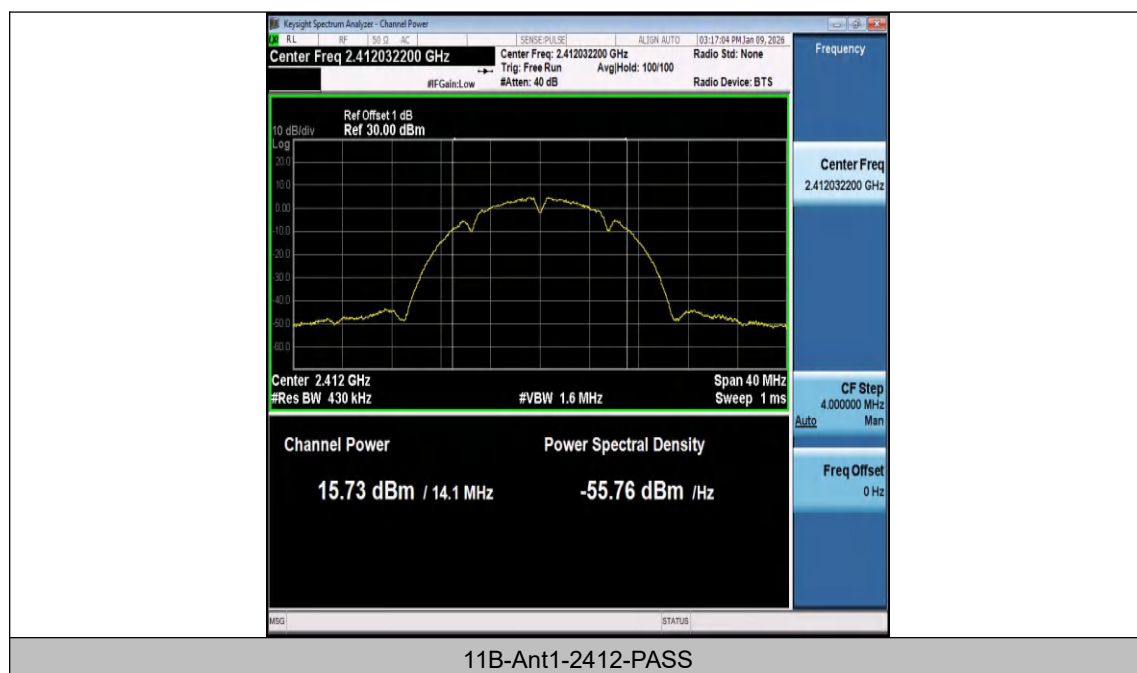
Appendix C: Maximum conducted output power

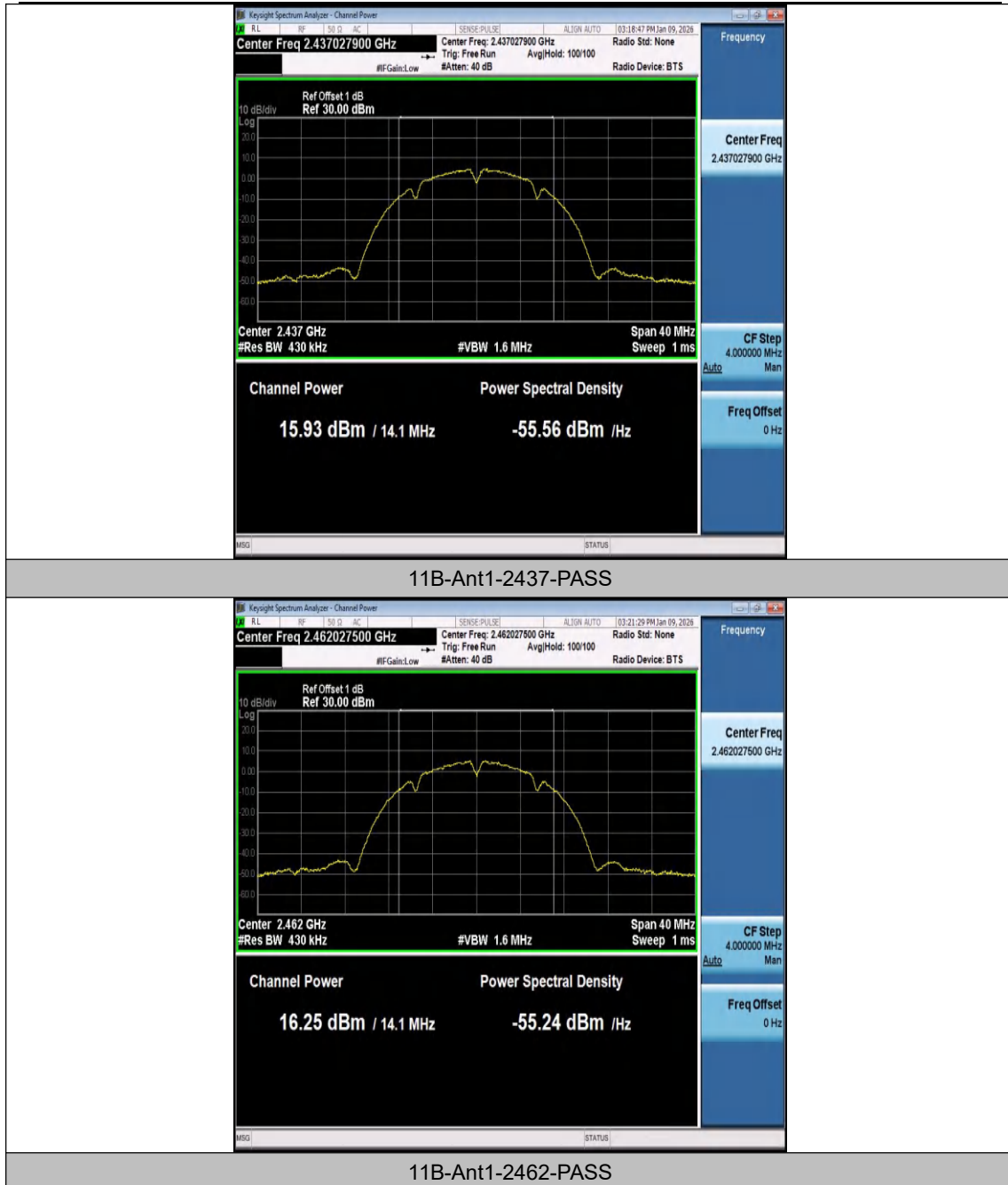
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.73	≤30.00	PASS
11B	Ant1	2437	15.93	≤30.00	PASS
11B	Ant1	2462	16.25	≤30.00	PASS
11G	Ant1	2412	14.73	≤30.00	PASS
11G	Ant1	2437	14.99	≤30.00	PASS
11G	Ant1	2462	15.29	≤30.00	PASS
11N20SISO	Ant1	2412	14.66	≤30.00	PASS
11N20SISO	Ant1	2437	14.97	≤30.00	PASS
11N20SISO	Ant1	2462	15.25	≤30.00	PASS

Note: The cable loss are compensated in the graph.

Test Graphs Average

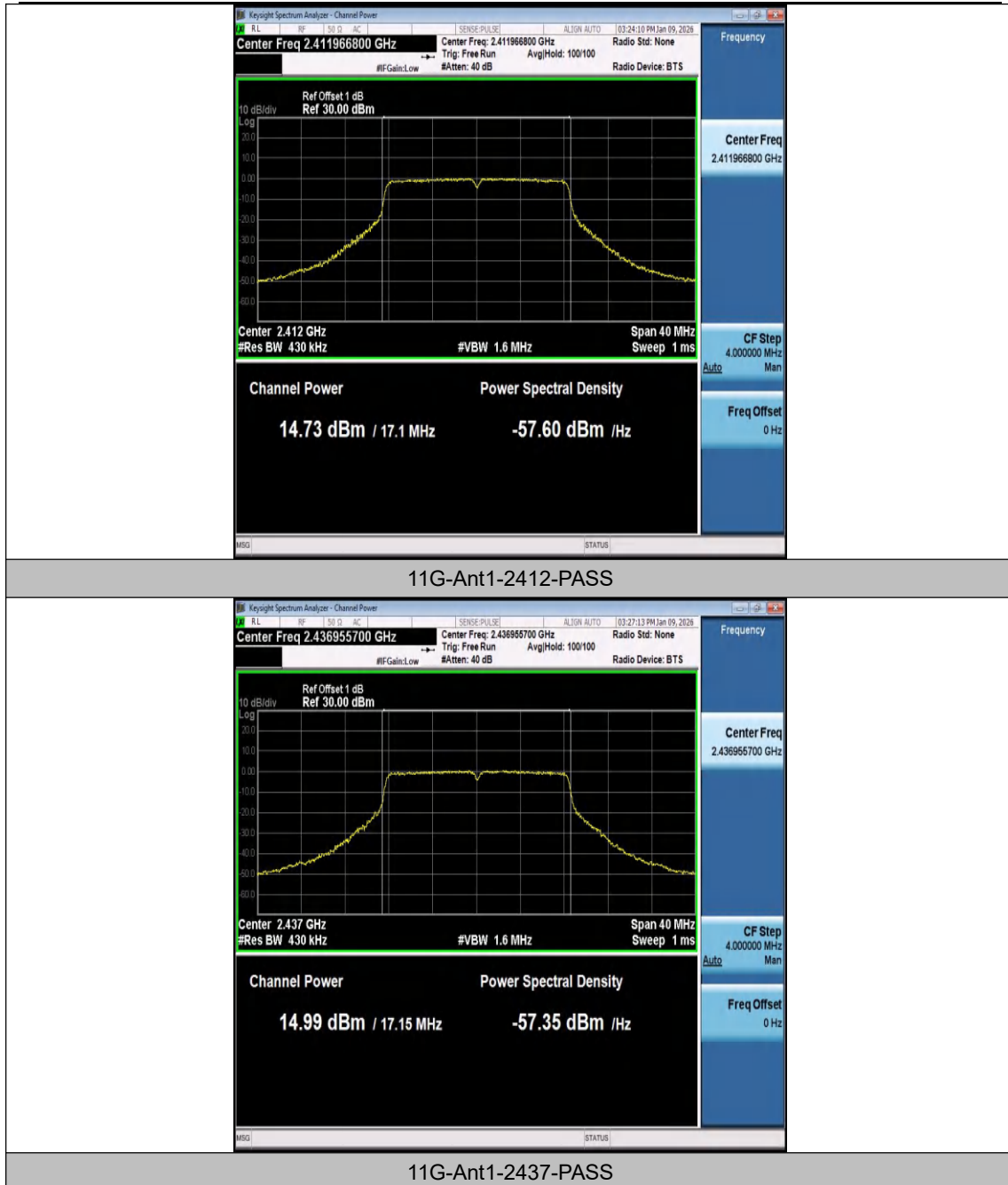


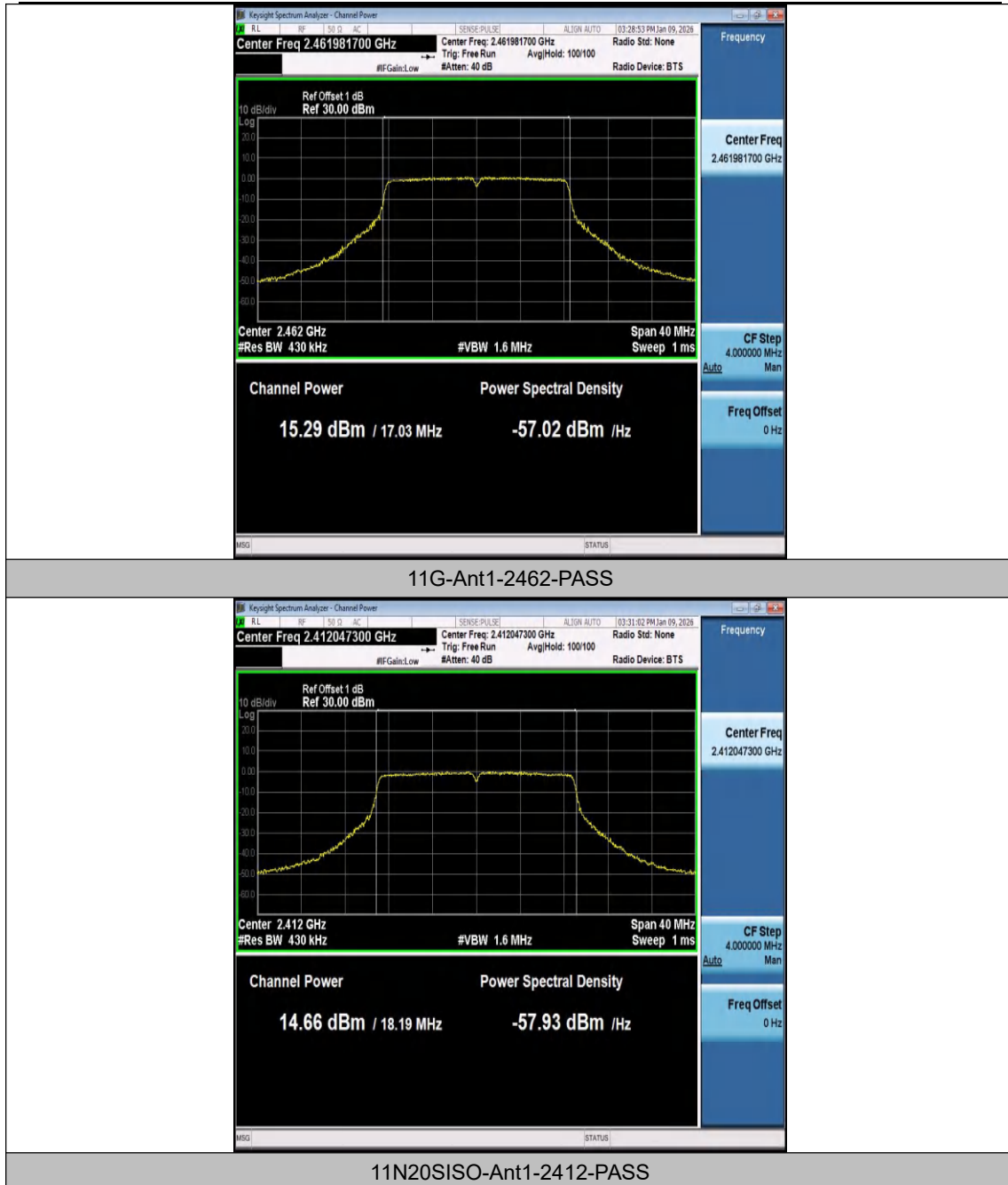


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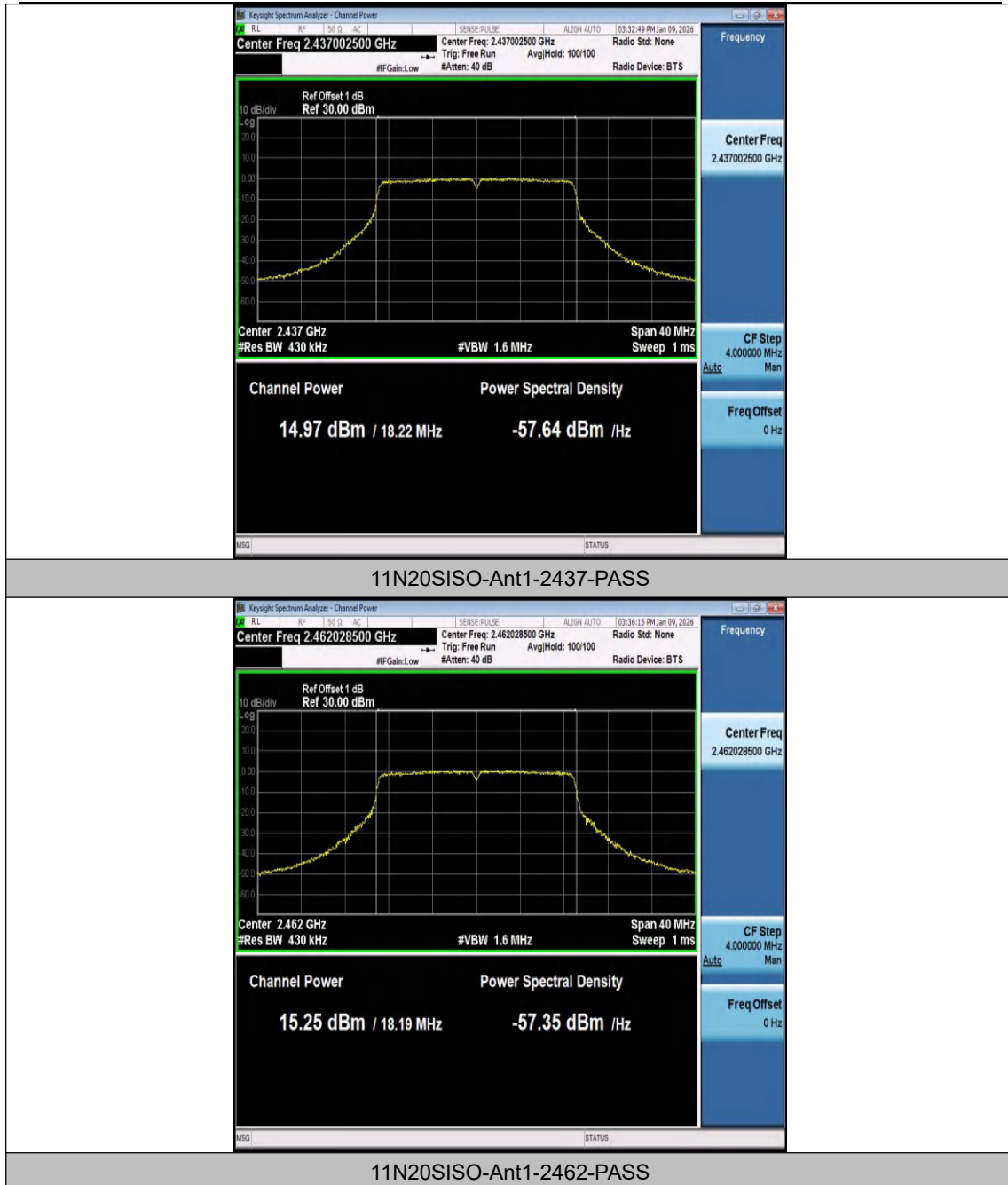




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Appendix D: Maximum power spectral density

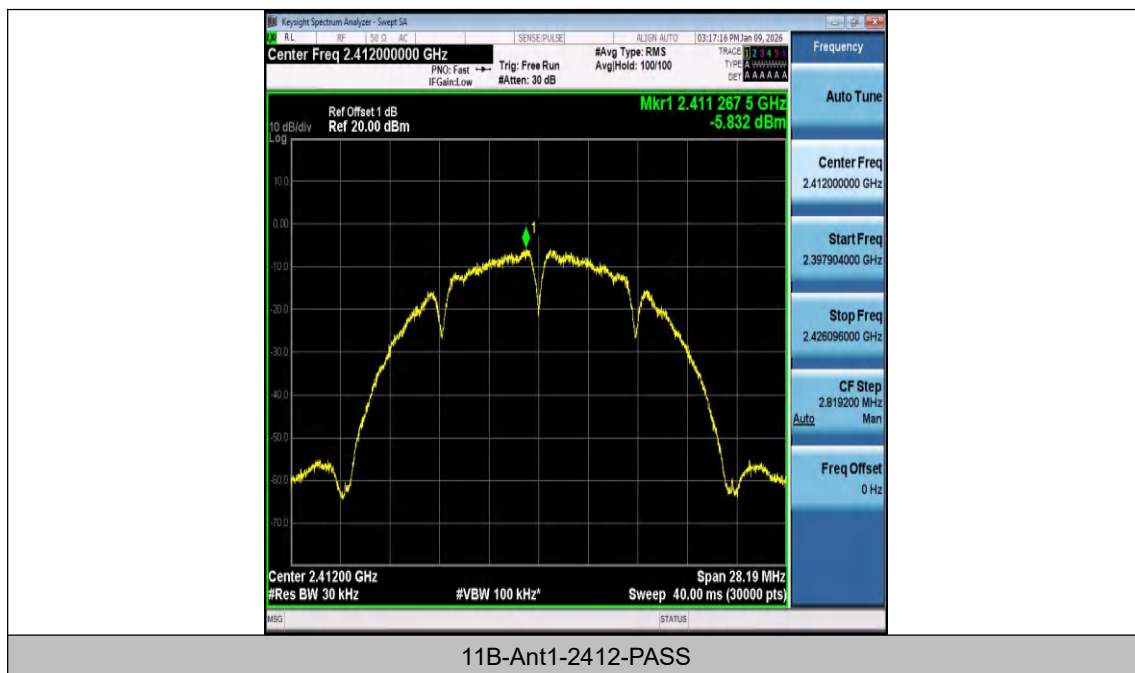
Test Result

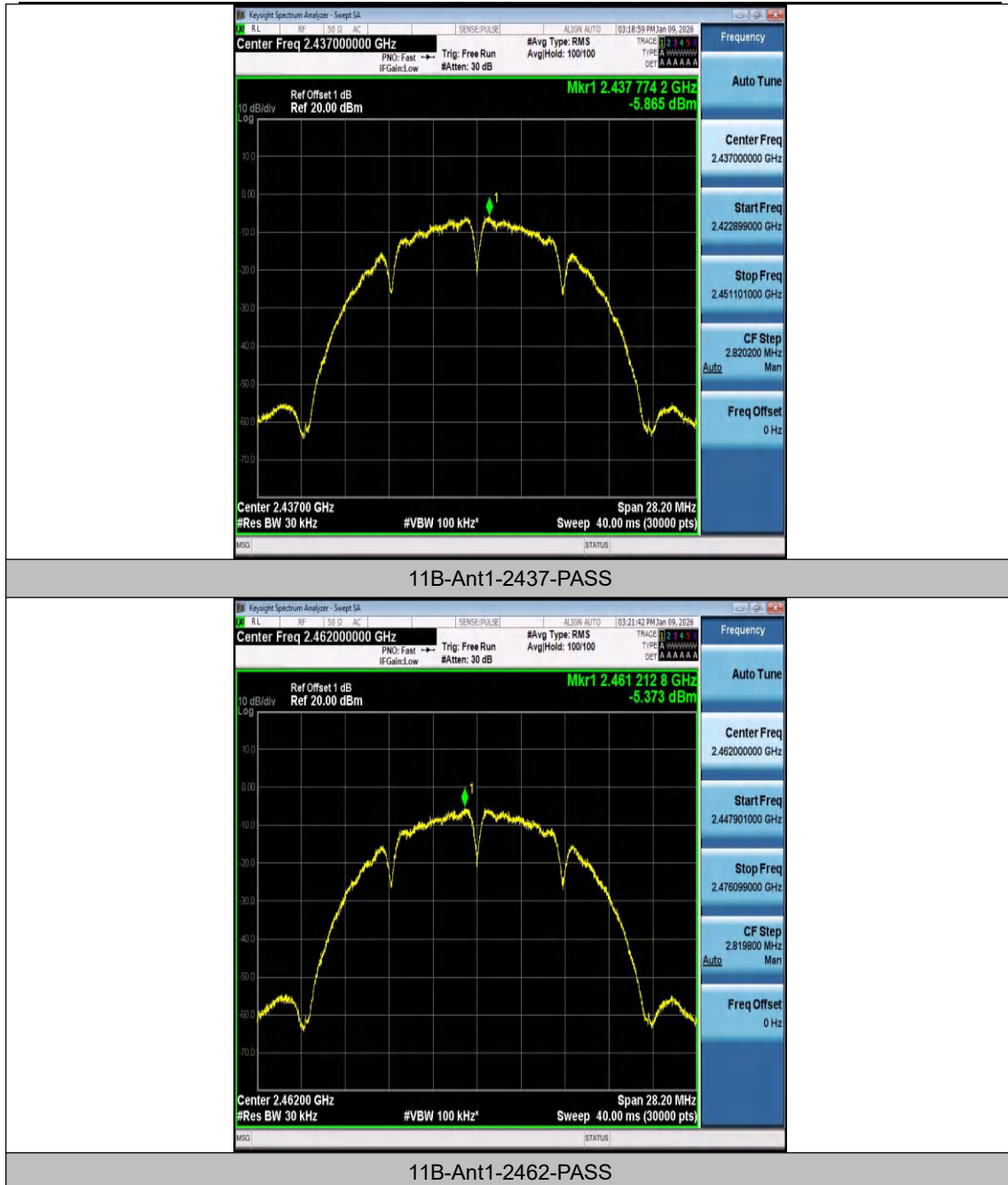
Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.83	≤8.00	PASS
11B	Ant1	2437	-5.87	≤8.00	PASS
11B	Ant1	2462	-5.37	≤8.00	PASS
11G	Ant1	2412	-9.46	≤8.00	PASS
11G	Ant1	2437	-9.57	≤8.00	PASS
11G	Ant1	2462	-9.04	≤8.00	PASS
11N20SISO	Ant1	2412	-9.69	≤8.00	PASS
11N20SISO	Ant1	2437	-9.29	≤8.00	PASS
11N20SISO	Ant1	2462	-9.28	≤8.00	PASS

Note:

The cable loss are compensated in the graph.

Test Graphs

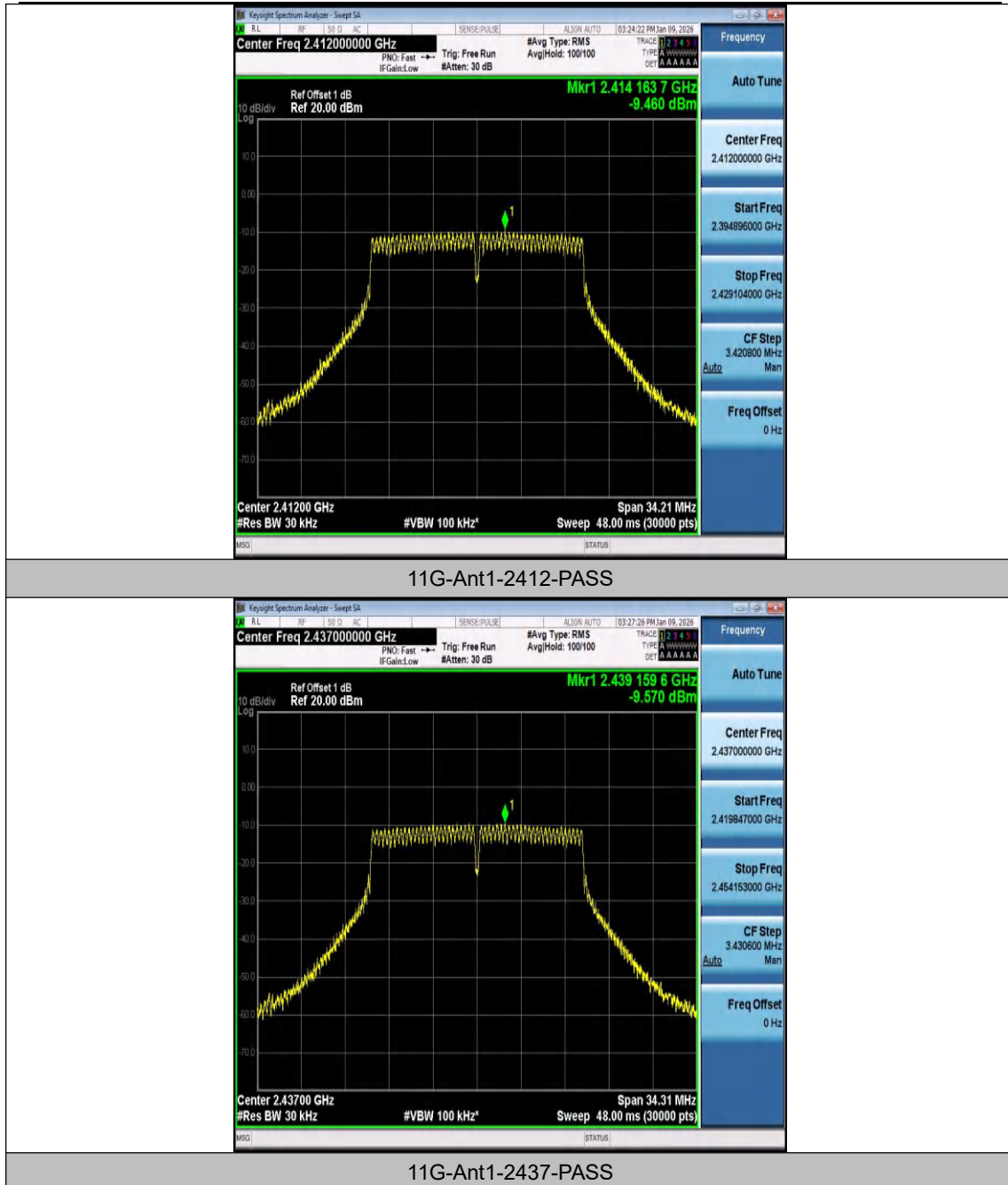




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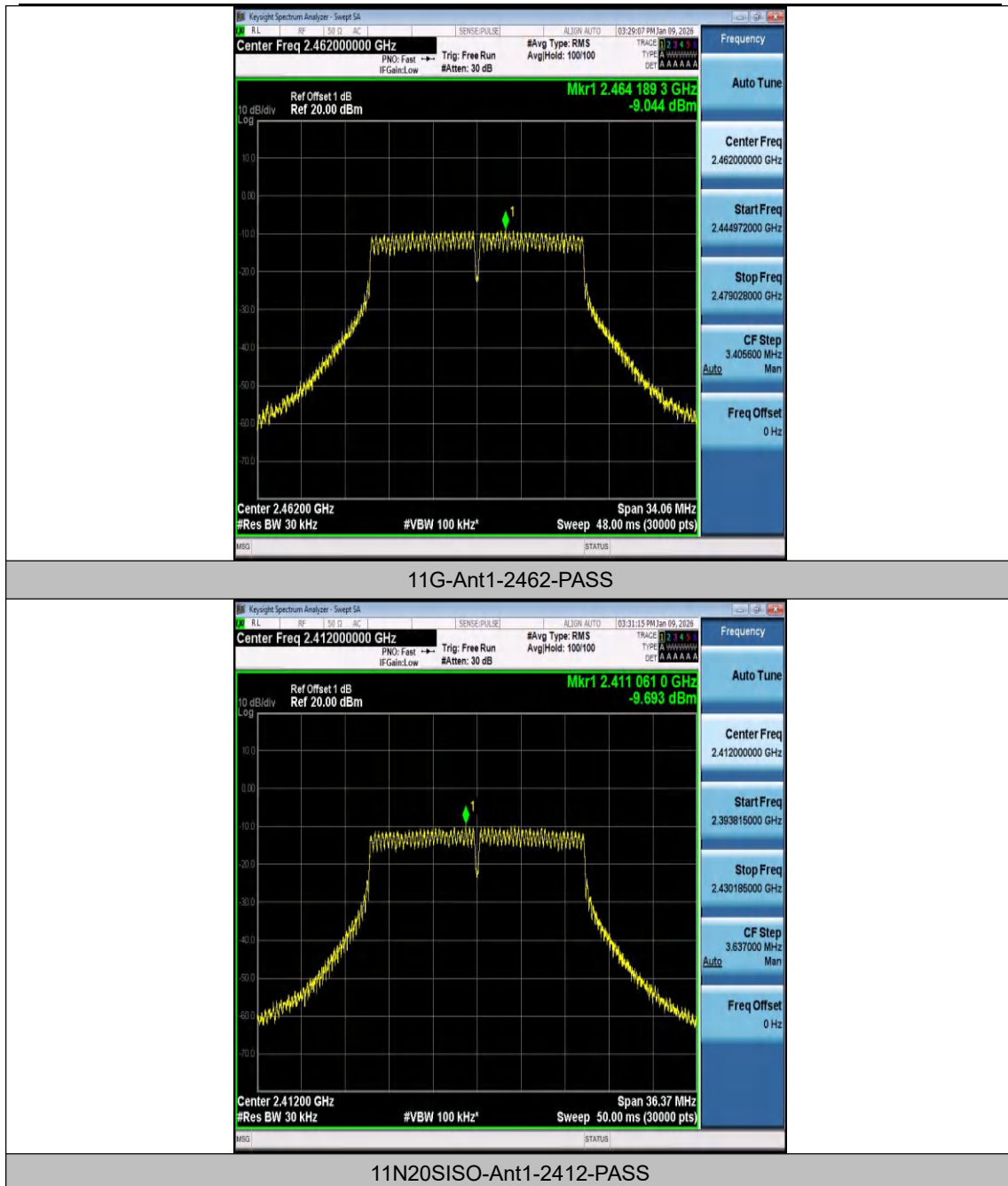
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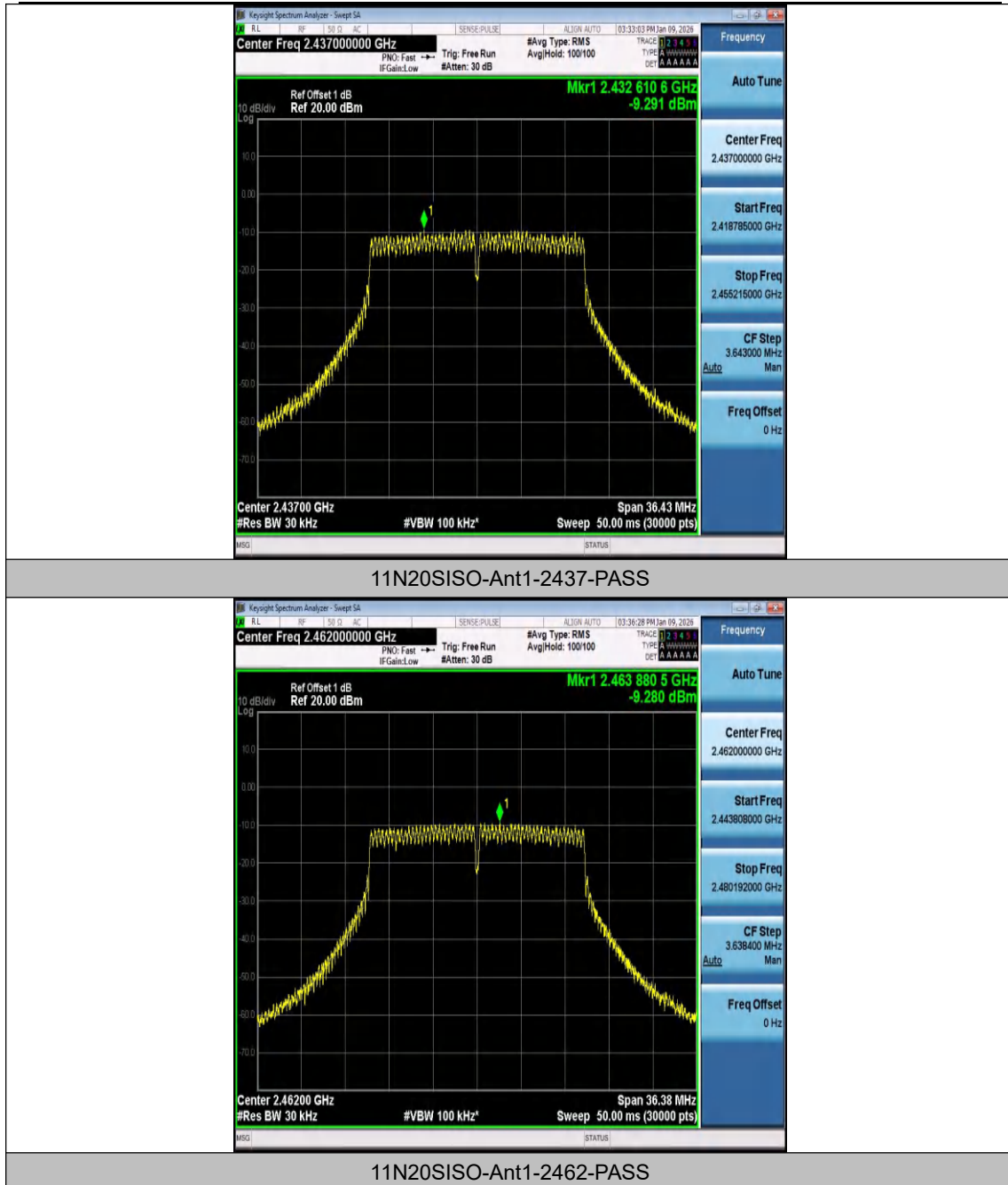
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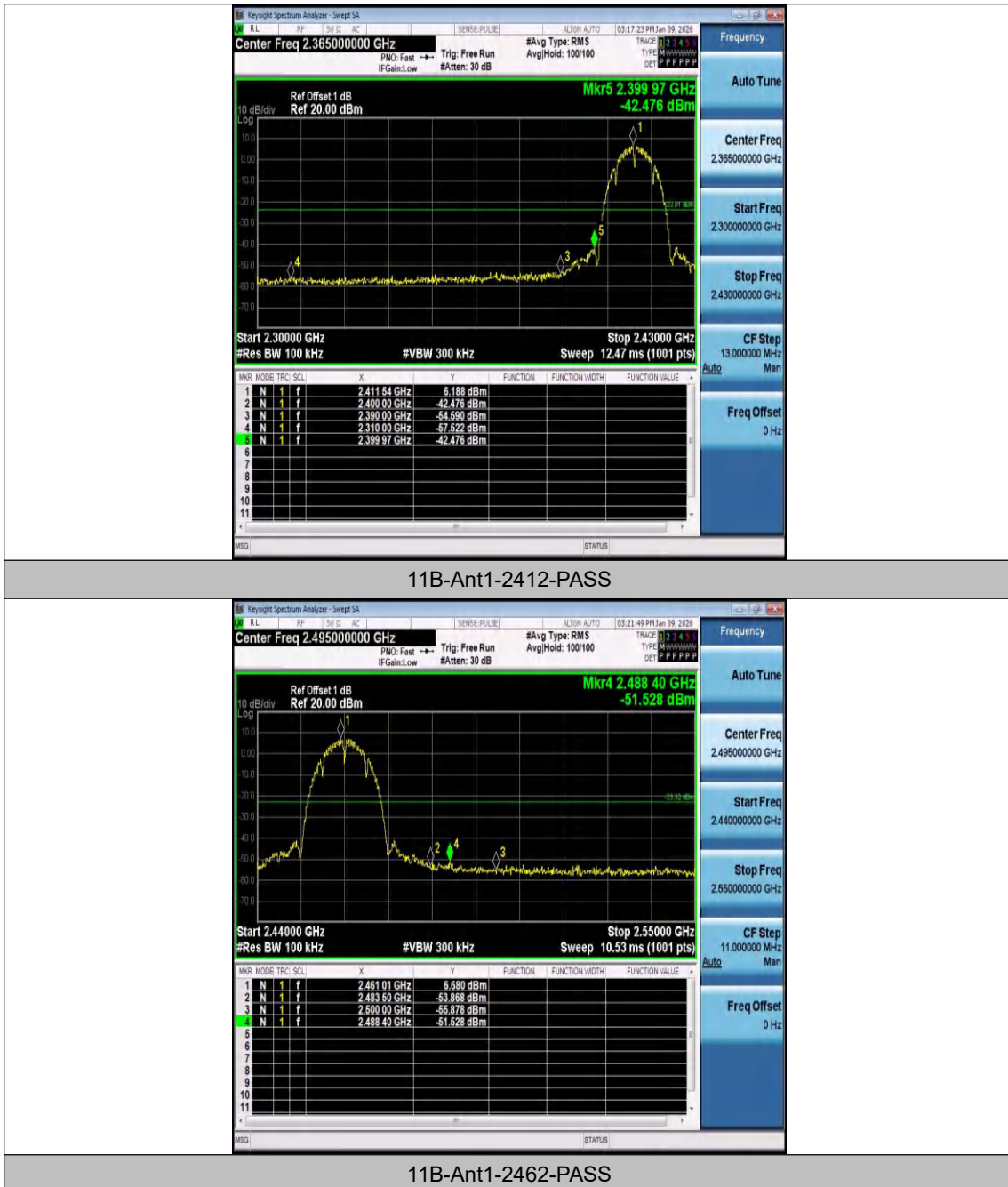
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.19	-42.48	≤-23.81	PASS
11B	Ant1	High	2462	6.68	-51.53	≤-23.32	PASS
11G	Ant1	Low	2412	0.53	-31.32	≤-29.47	PASS
11G	Ant1	High	2462	0.91	-48.57	≤-29.09	PASS
11N20SISO	Ant1	Low	2412	0.94	-30.42	≤-29.06	PASS
11N20SISO	Ant1	High	2462	0.77	-49.04	≤-29.23	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.

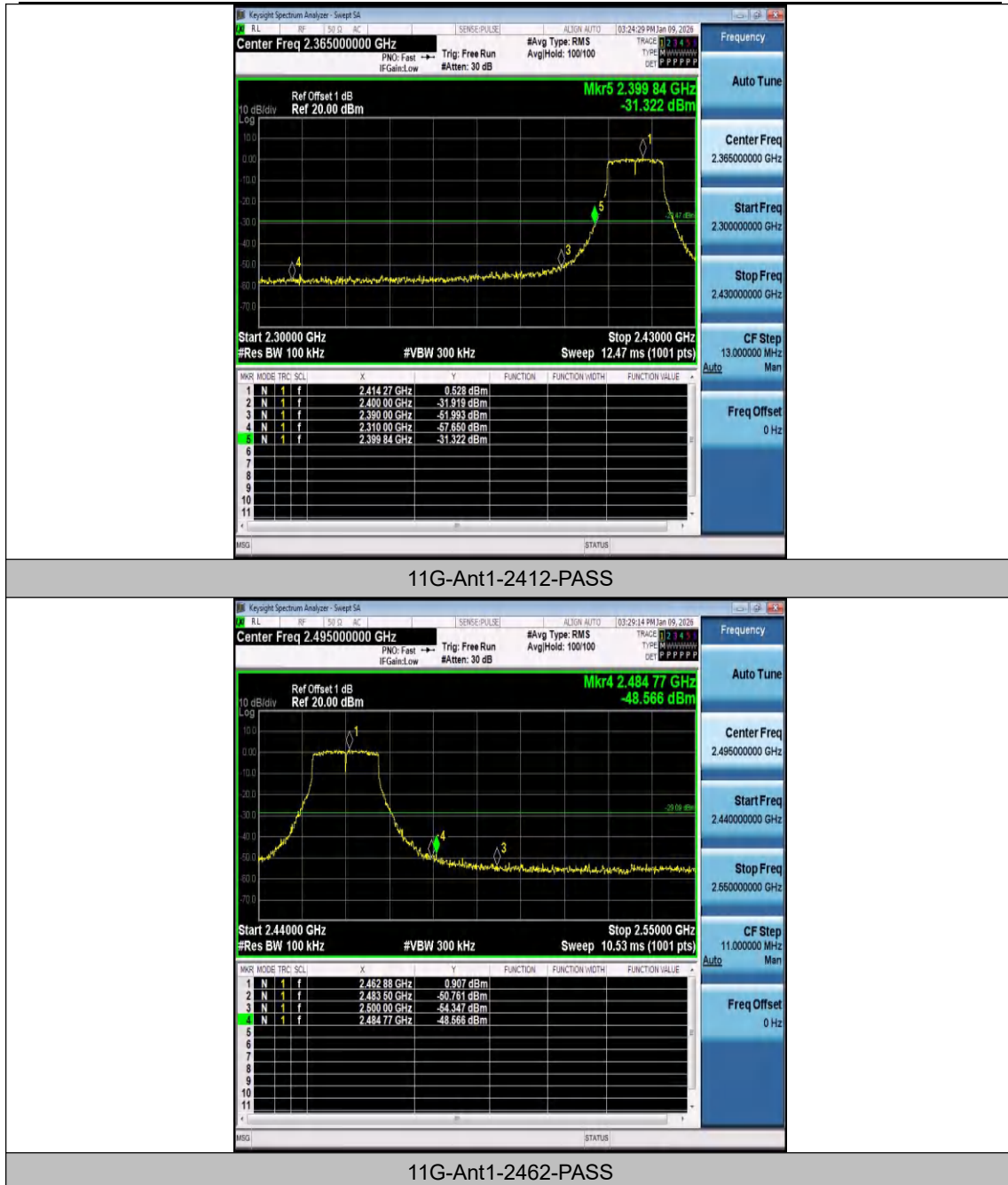
Test Graphs

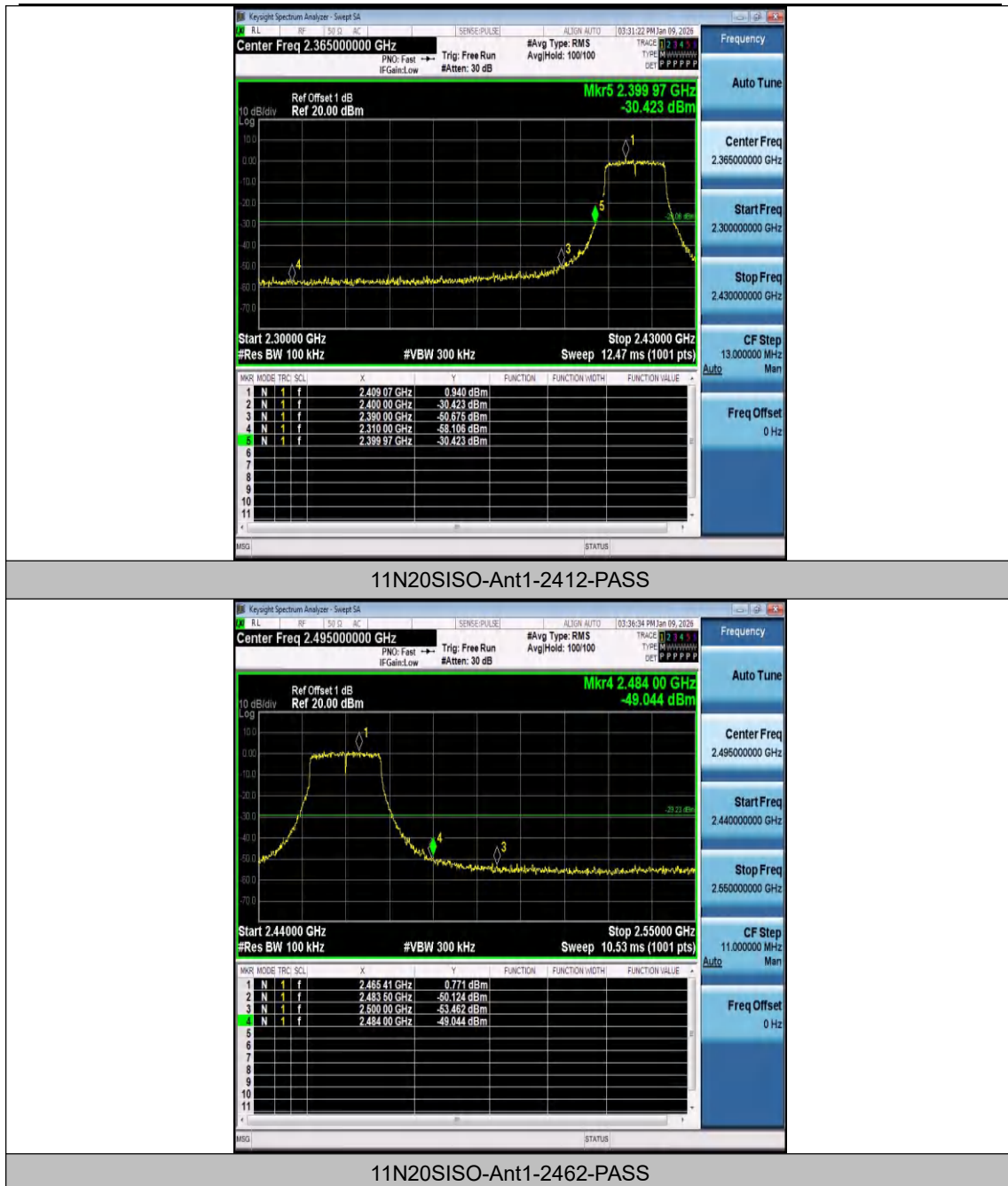


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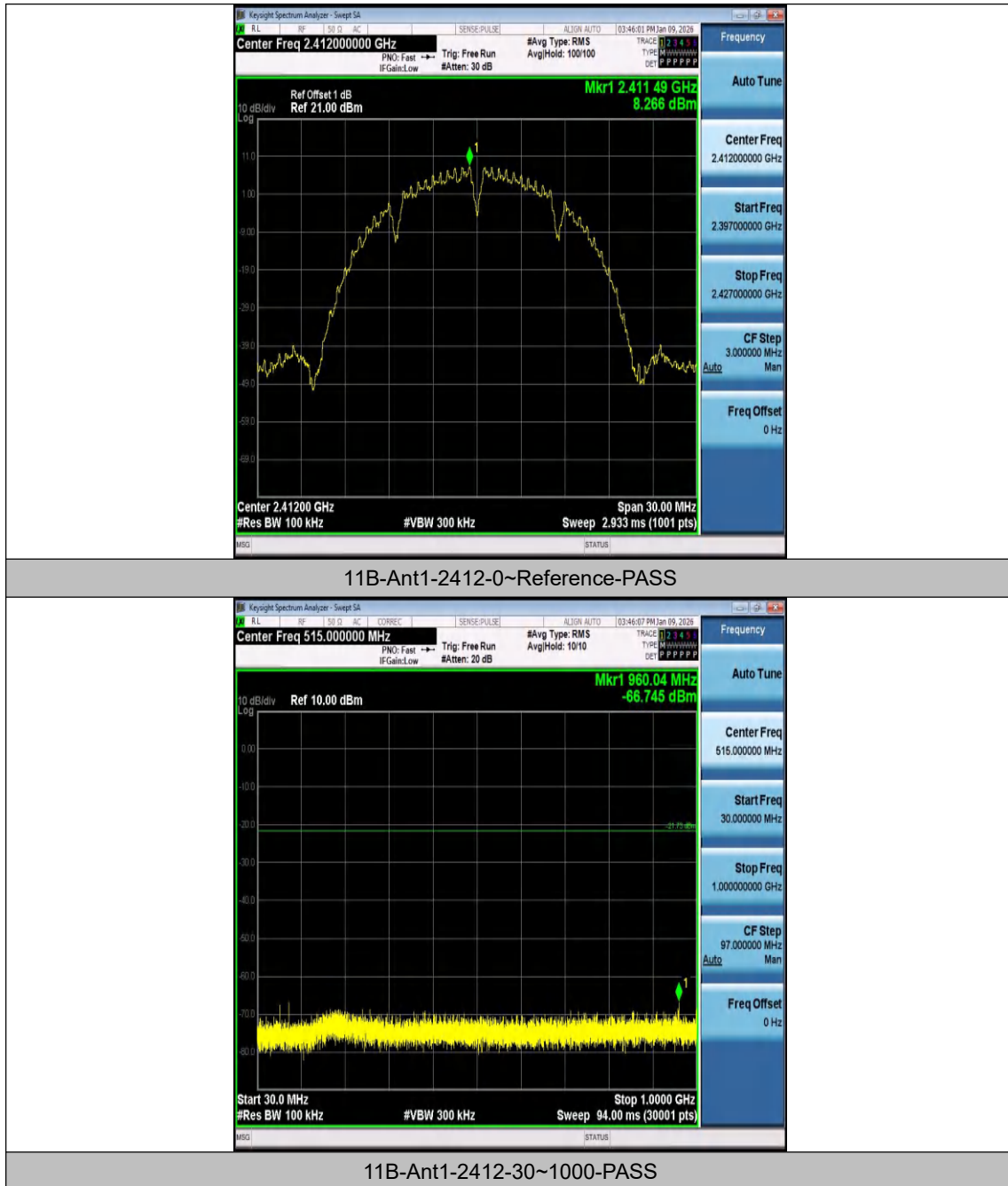
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	8.27	8.27	---	PASS
11B	Ant1	2412	30~1000	8.27	-66.75	≤-21.73	PASS
11B	Ant1	2412	1000~26500	8.27	-36	≤-21.73	PASS
11B	Ant1	2437	0~Reference	7.51	7.51	---	PASS
11B	Ant1	2437	30~1000	7.51	-66.21	≤-22.49	PASS
11B	Ant1	2437	1000~26500	7.51	-36.04	≤-22.49	PASS
11B	Ant1	2462	0~Reference	6.82	6.82	---	PASS
11B	Ant1	2462	30~1000	6.82	-65.94	≤-23.18	PASS
11B	Ant1	2462	1000~26500	6.82	-36.15	≤-23.18	PASS
11G	Ant1	2412	0~Reference	0.44	0.44	---	PASS
11G	Ant1	2412	30~1000	0.44	-65.22	≤-29.56	PASS
11G	Ant1	2412	1000~26500	0.44	-35.47	≤-29.56	PASS
11G	Ant1	2437	0~Reference	0.75	0.75	---	PASS
11G	Ant1	2437	30~1000	0.75	-64.94	≤-29.25	PASS
11G	Ant1	2437	1000~26500	0.75	-35.39	≤-29.25	PASS
11G	Ant1	2462	0~Reference	1.03	1.03	---	PASS
11G	Ant1	2462	30~1000	1.03	-65.53	≤-28.97	PASS
11G	Ant1	2462	1000~26500	1.03	-35.73	≤-28.97	PASS
11N20SISO	Ant1	2412	0~Reference	2.56	2.56	---	PASS
11N20SISO	Ant1	2412	30~1000	2.56	-65.2	≤-27.44	PASS
11N20SISO	Ant1	2412	1000~26500	2.56	-35.72	≤-27.44	PASS
11N20SISO	Ant1	2437	0~Reference	1.04	1.04	---	PASS
11N20SISO	Ant1	2437	30~1000	1.04	-65.46	≤-28.96	PASS
11N20SISO	Ant1	2437	1000~26500	1.04	-35.72	≤-28.96	PASS
11N20SISO	Ant1	2462	0~Reference	1.08	1.08	---	PASS
11N20SISO	Ant1	2462	30~1000	1.08	-66.23	≤-28.92	PASS
11N20SISO	Ant1	2462	1000~26500	1.08	-36.15	≤-28.92	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.

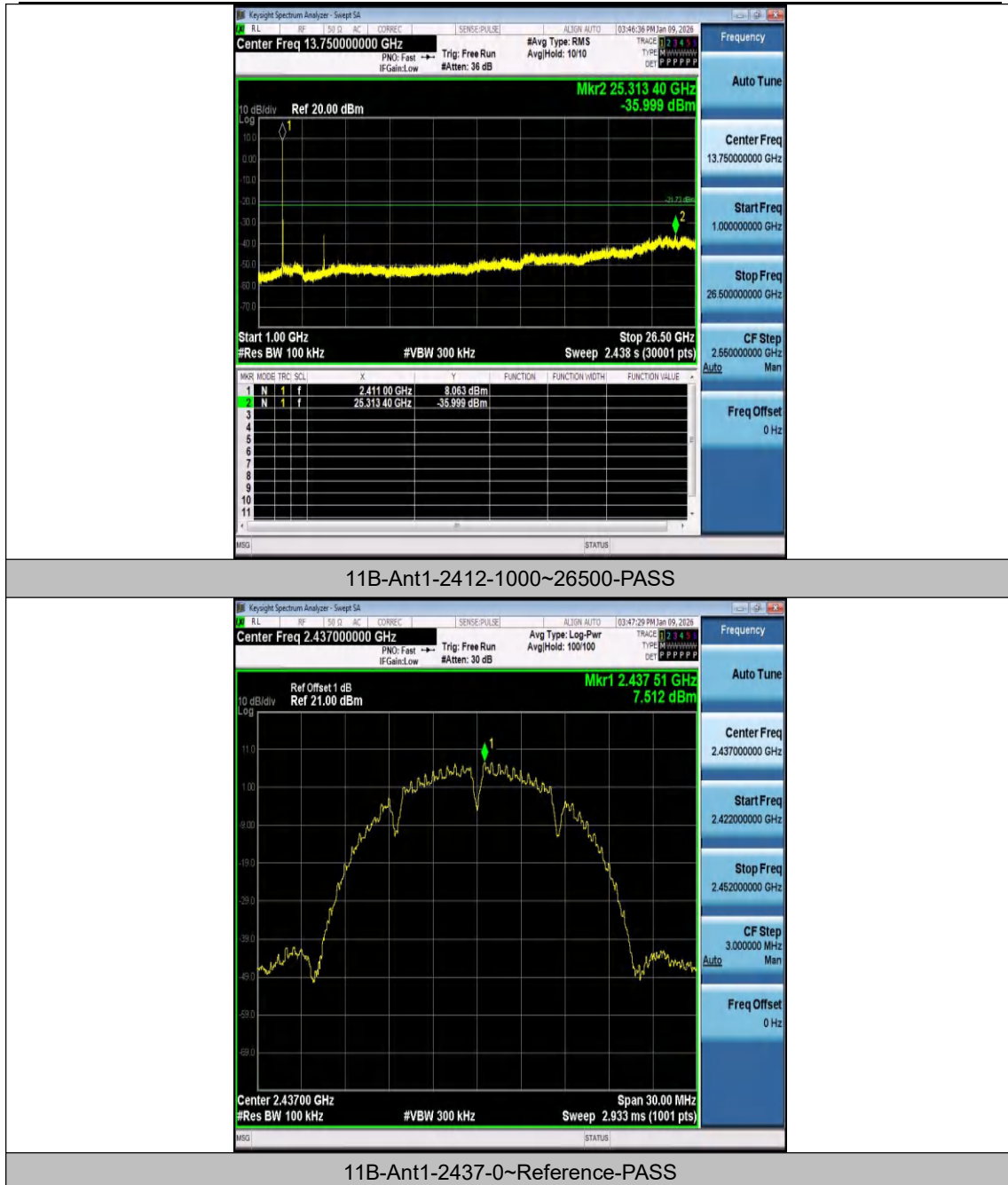
Test Graphs

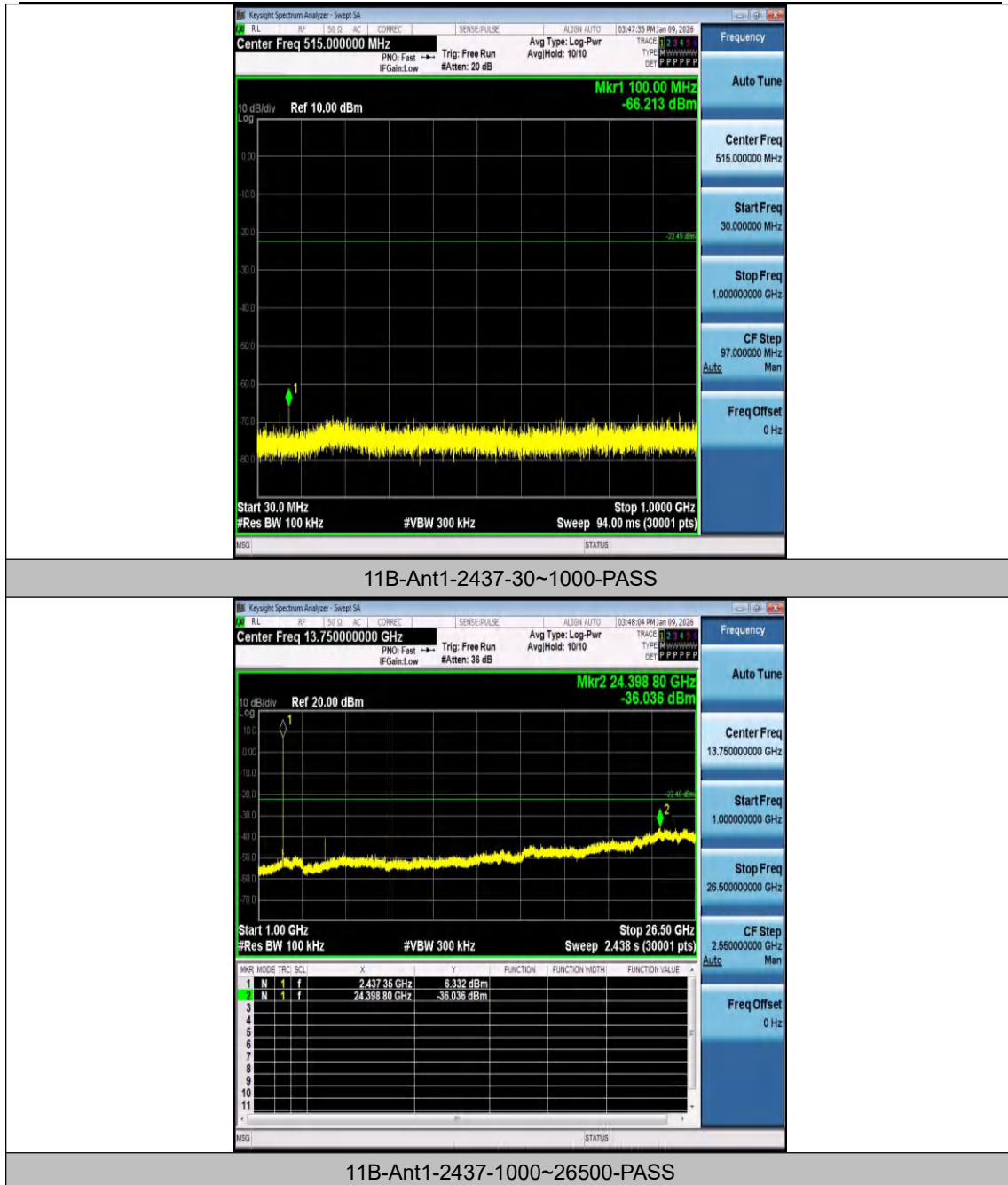


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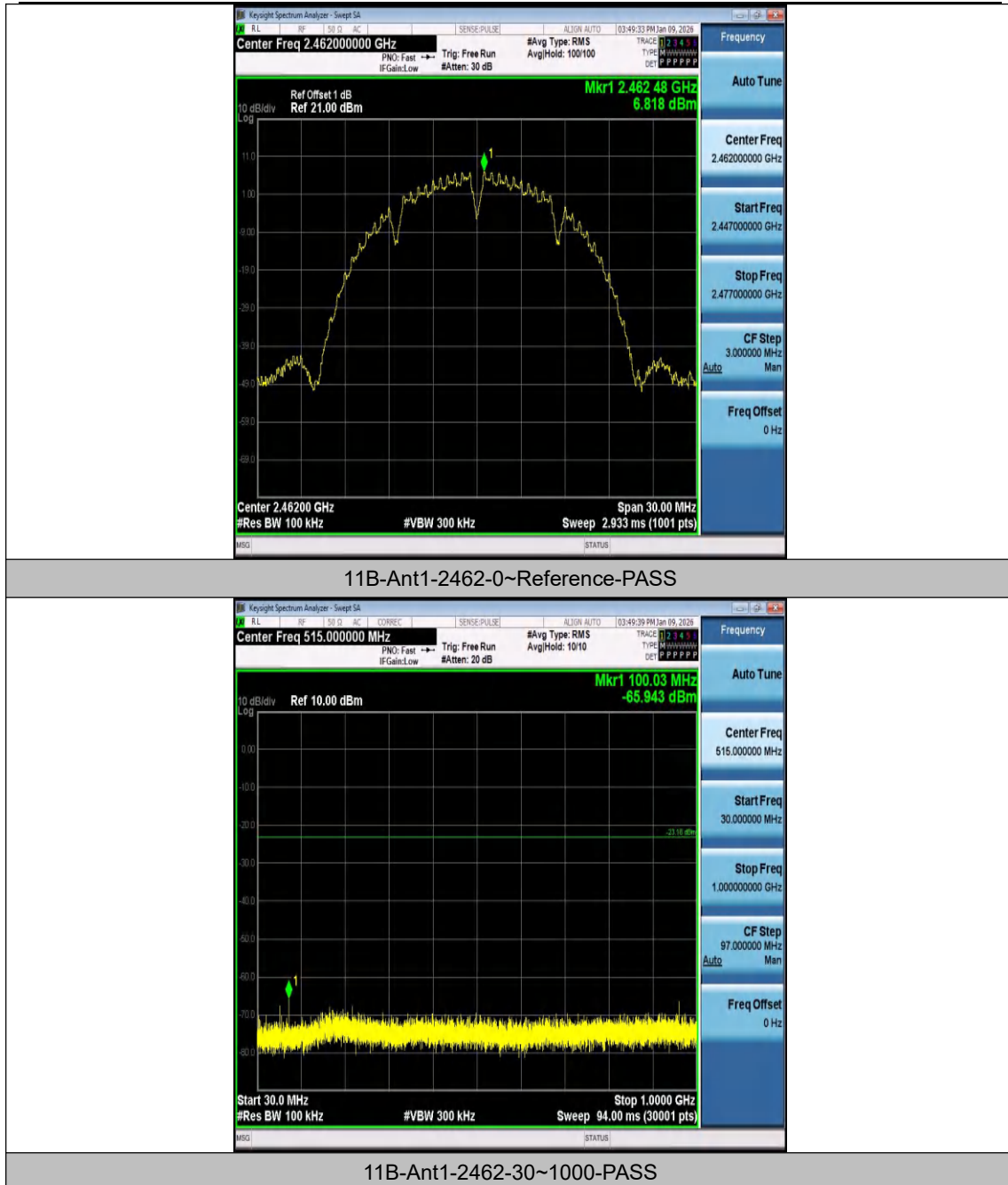




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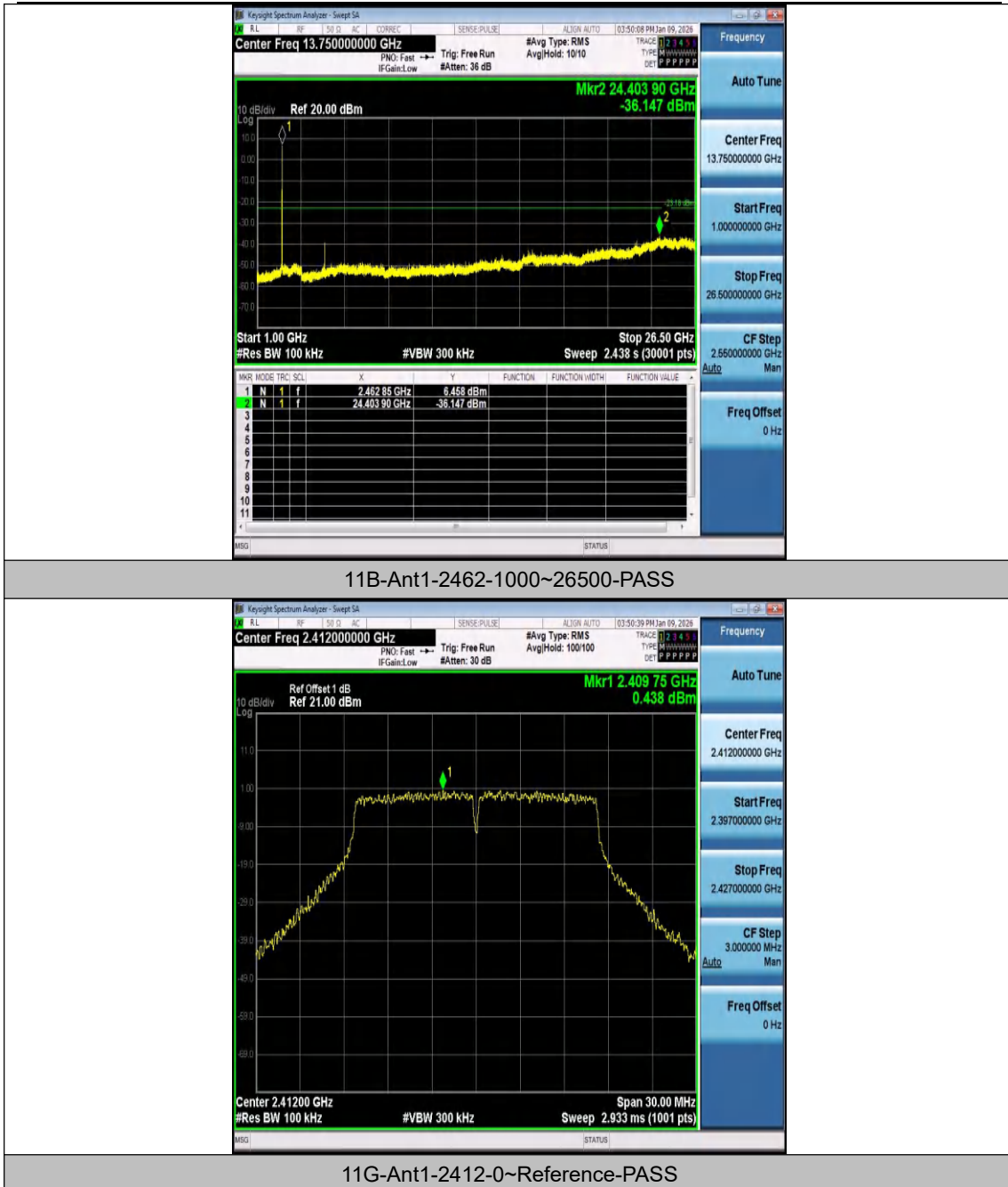
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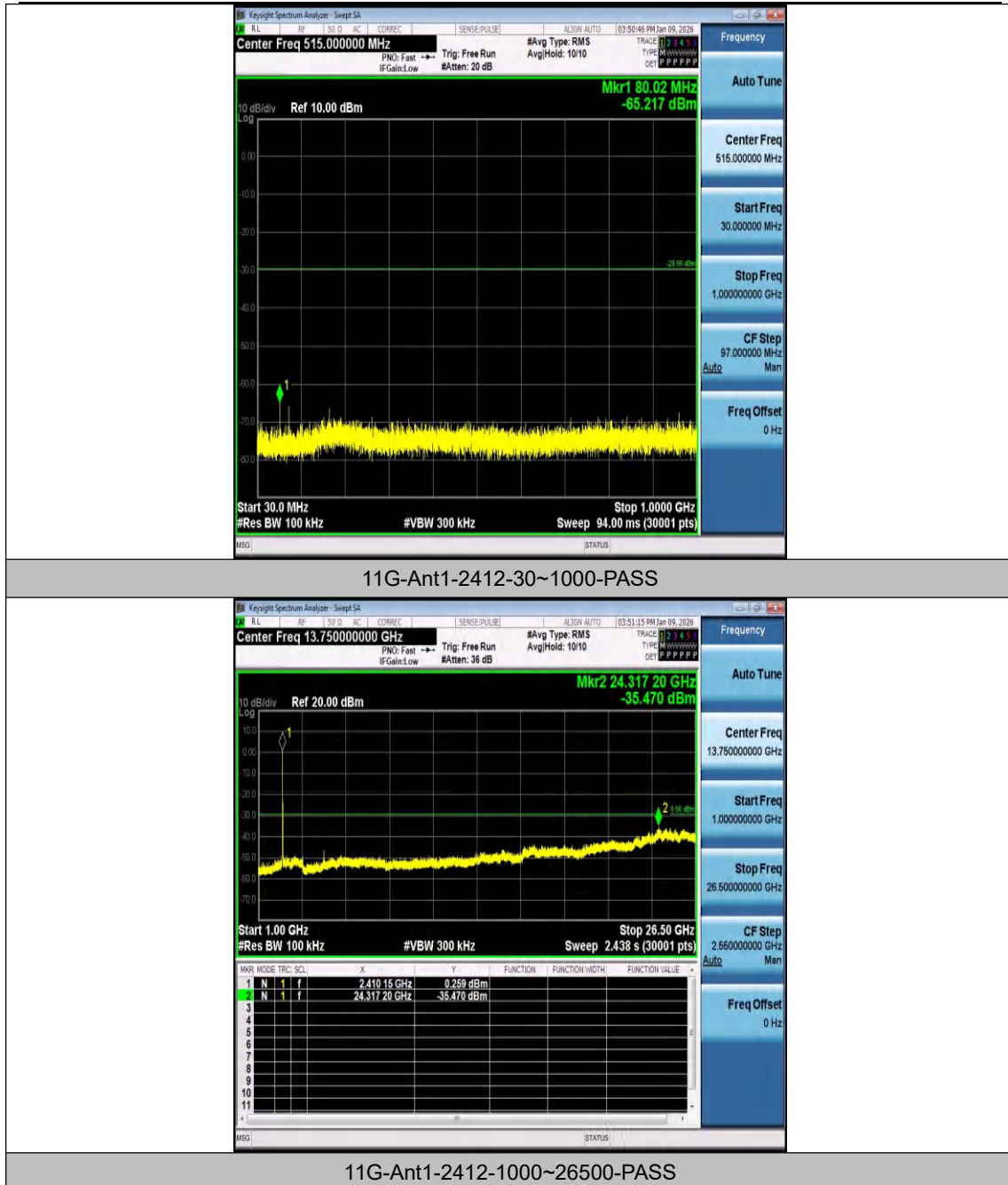
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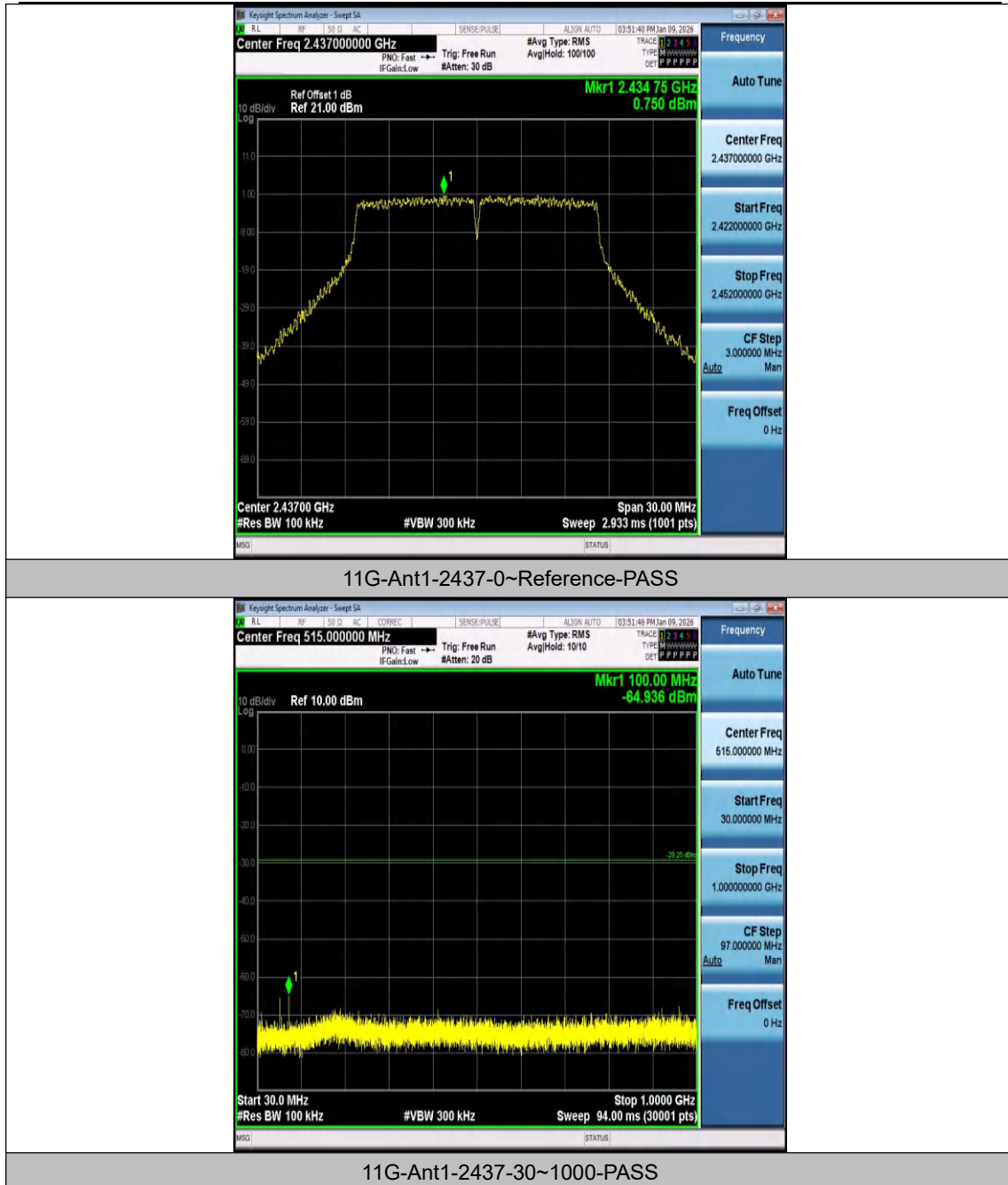
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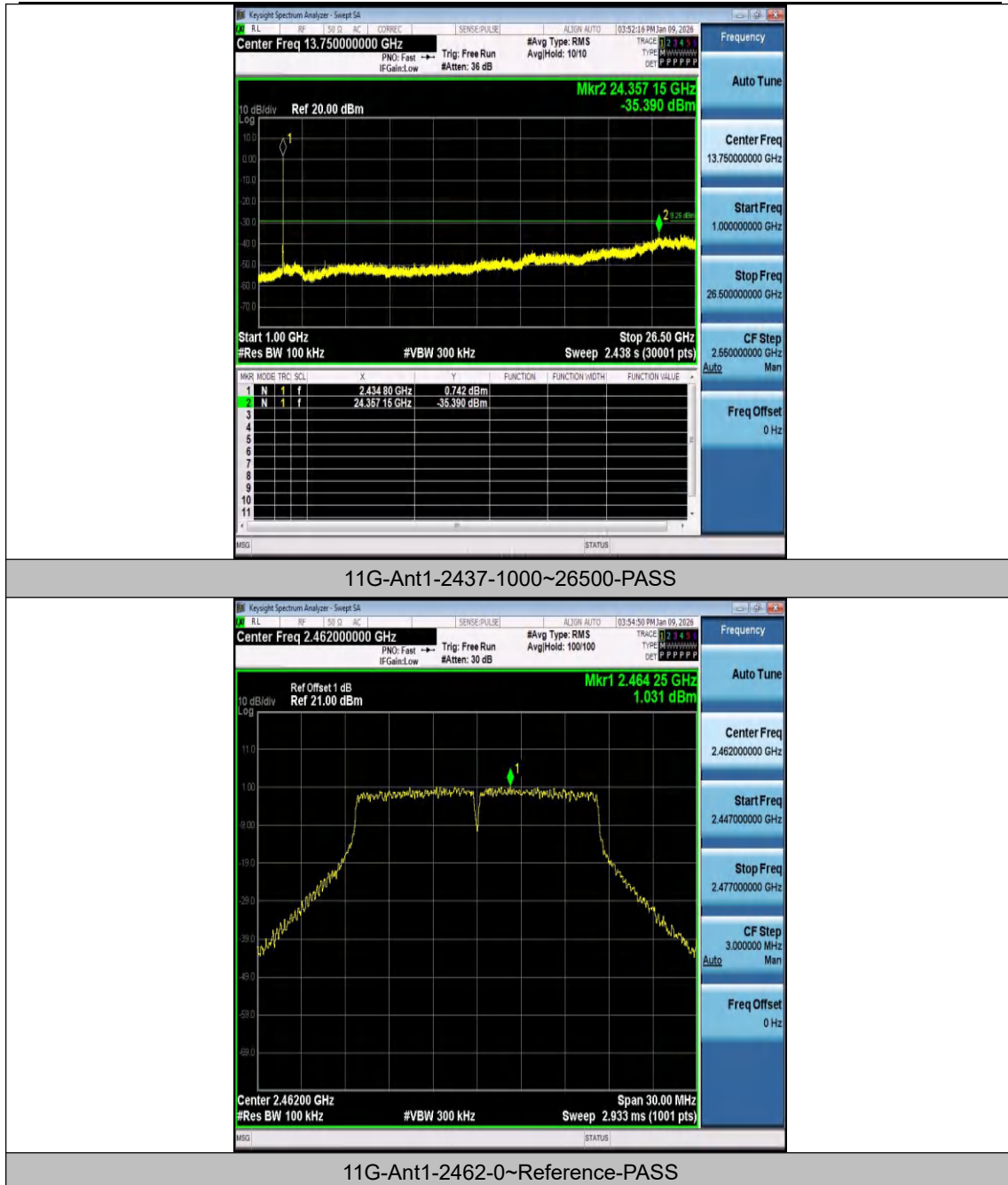
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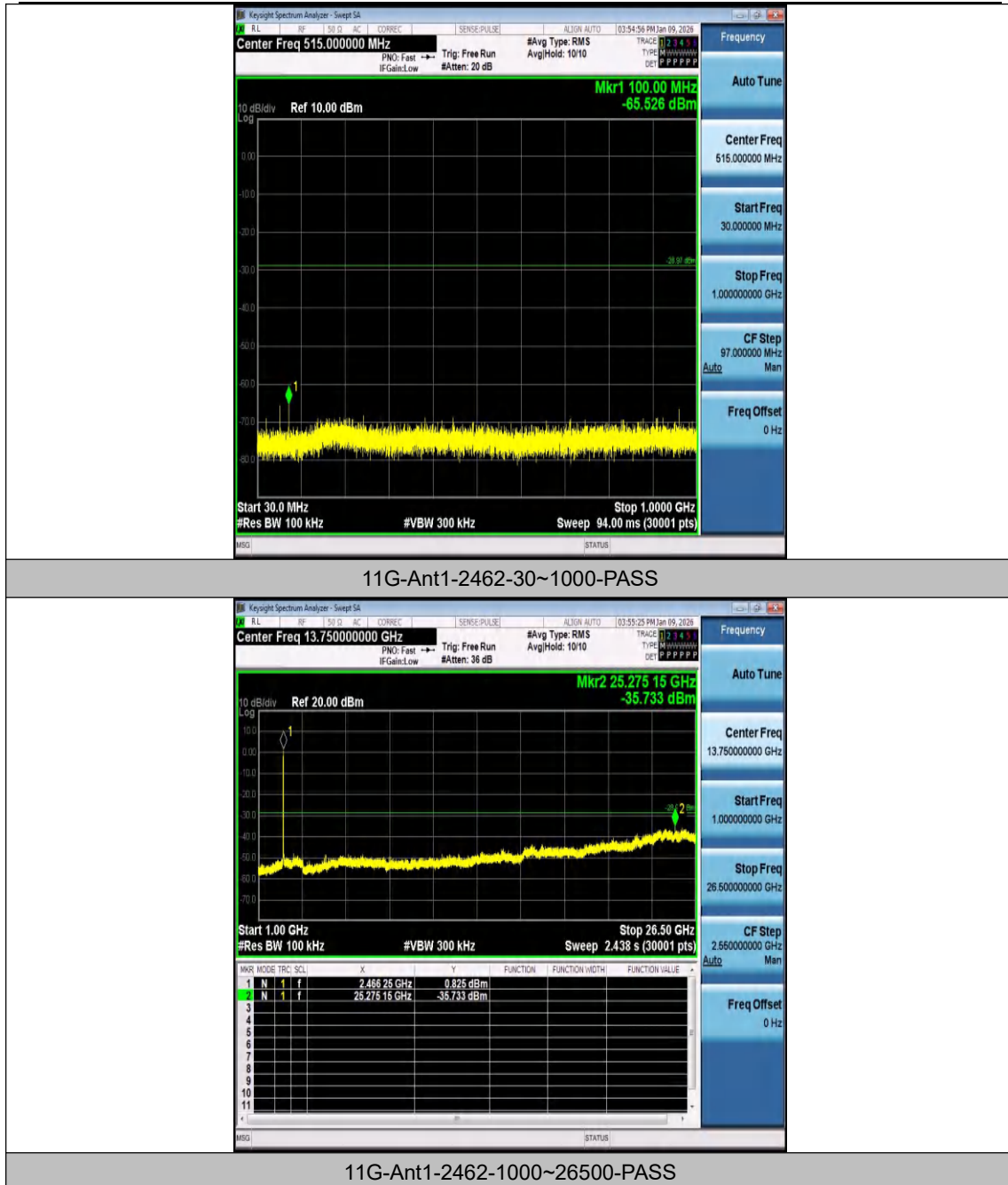
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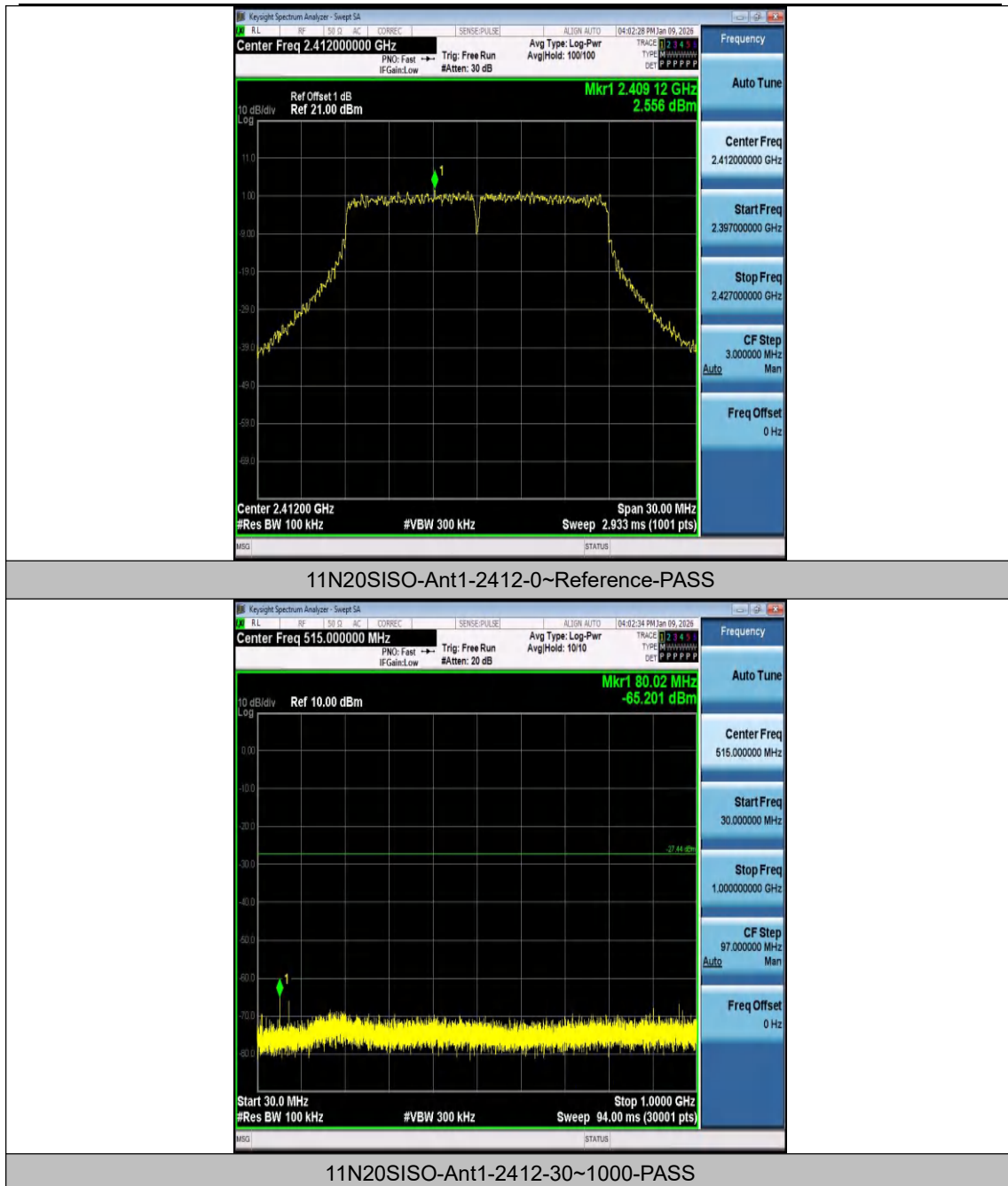


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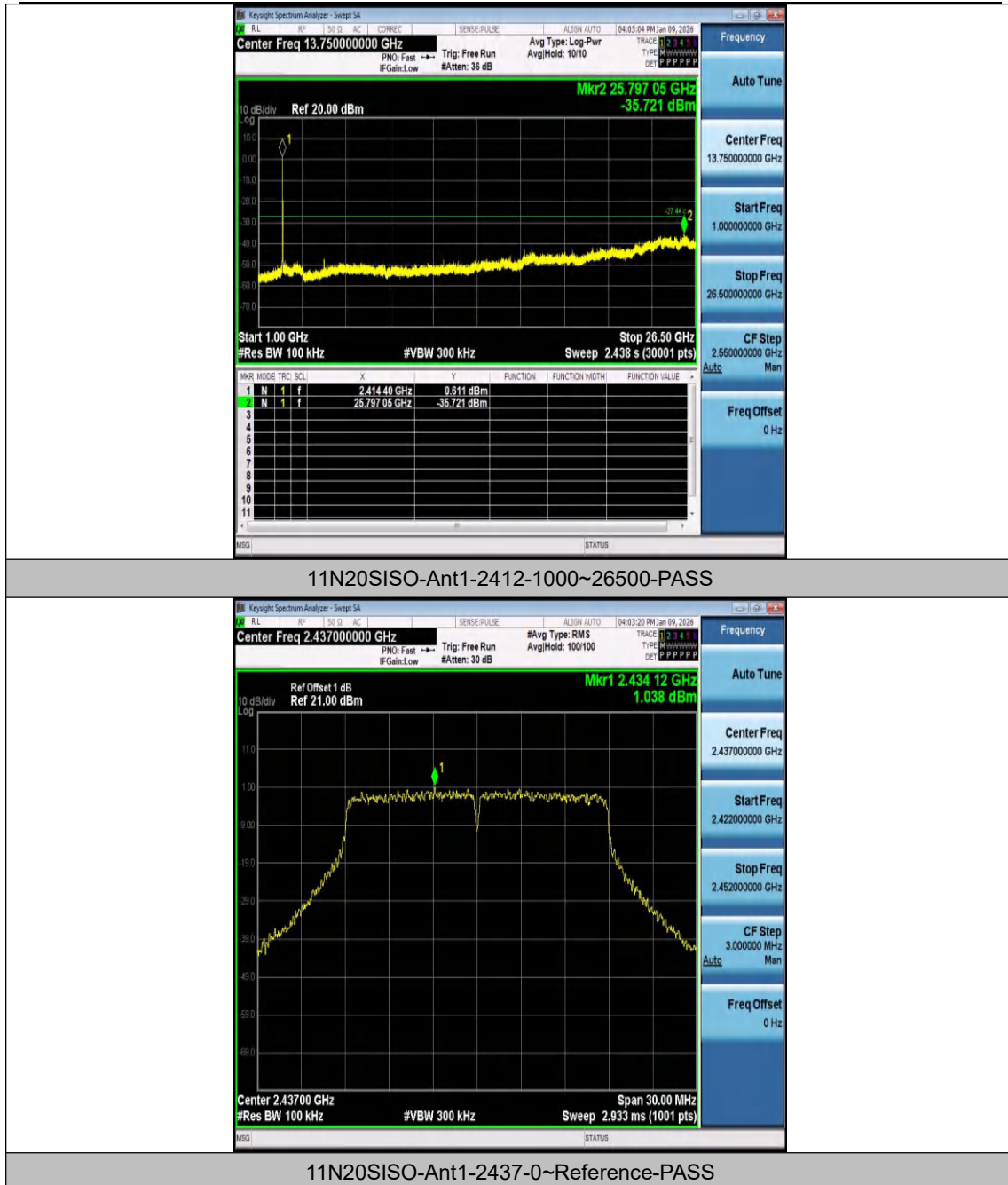




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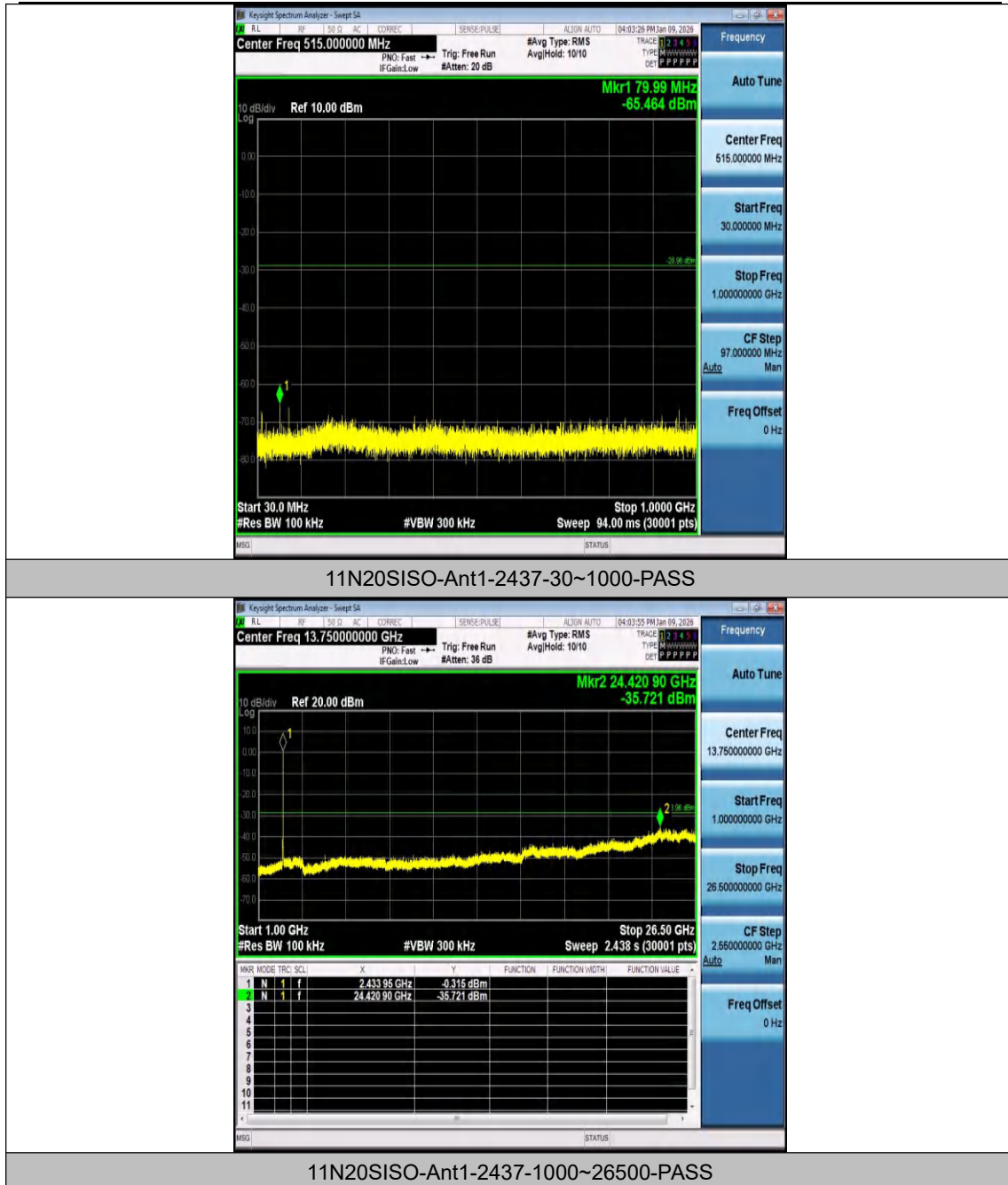
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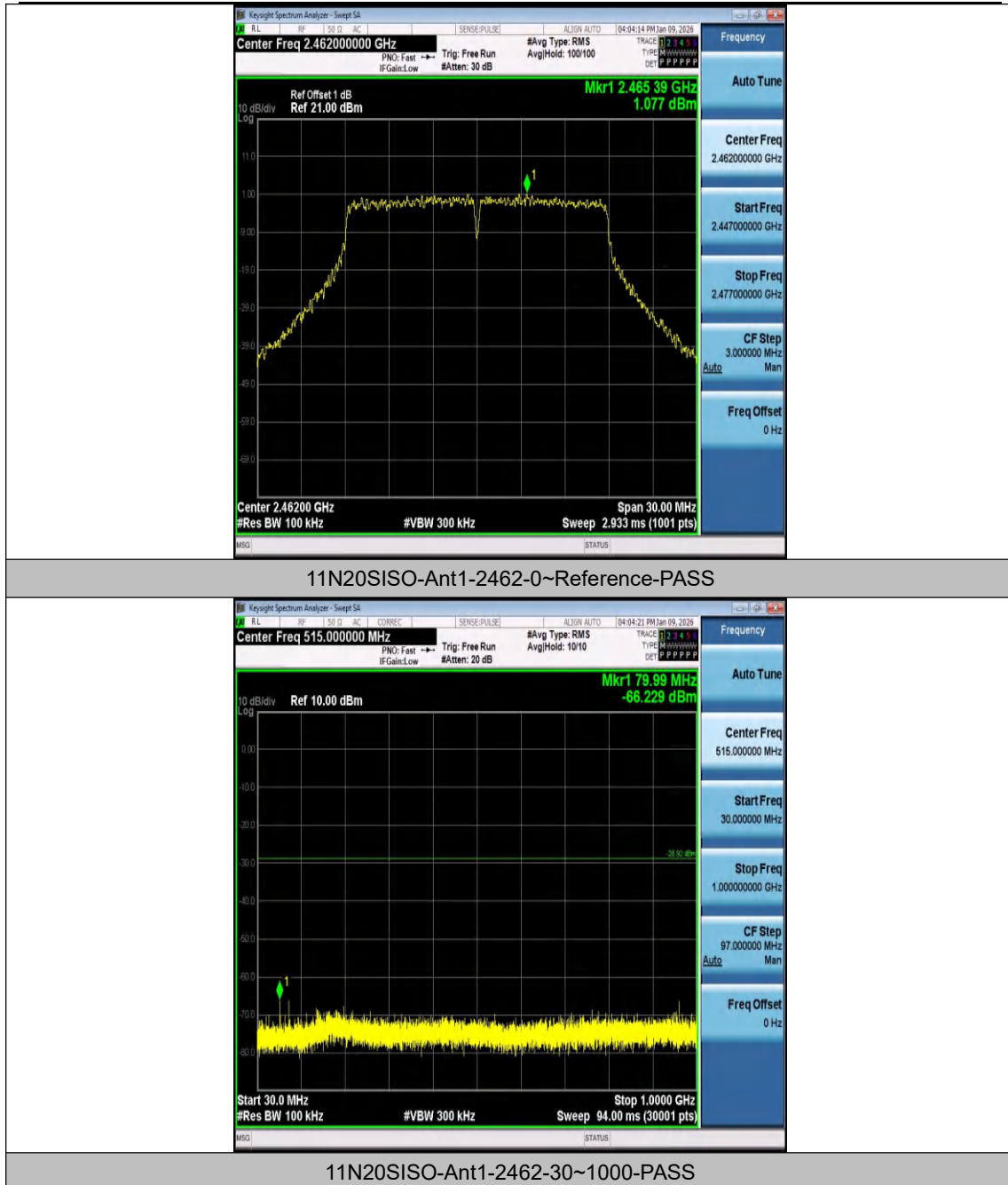
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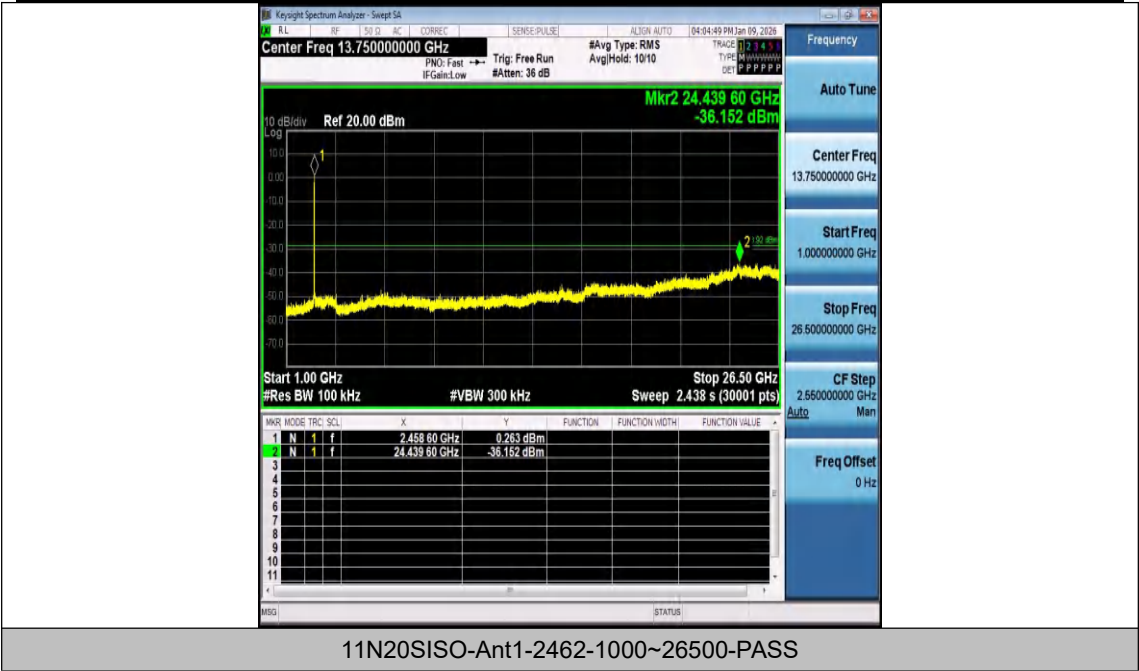
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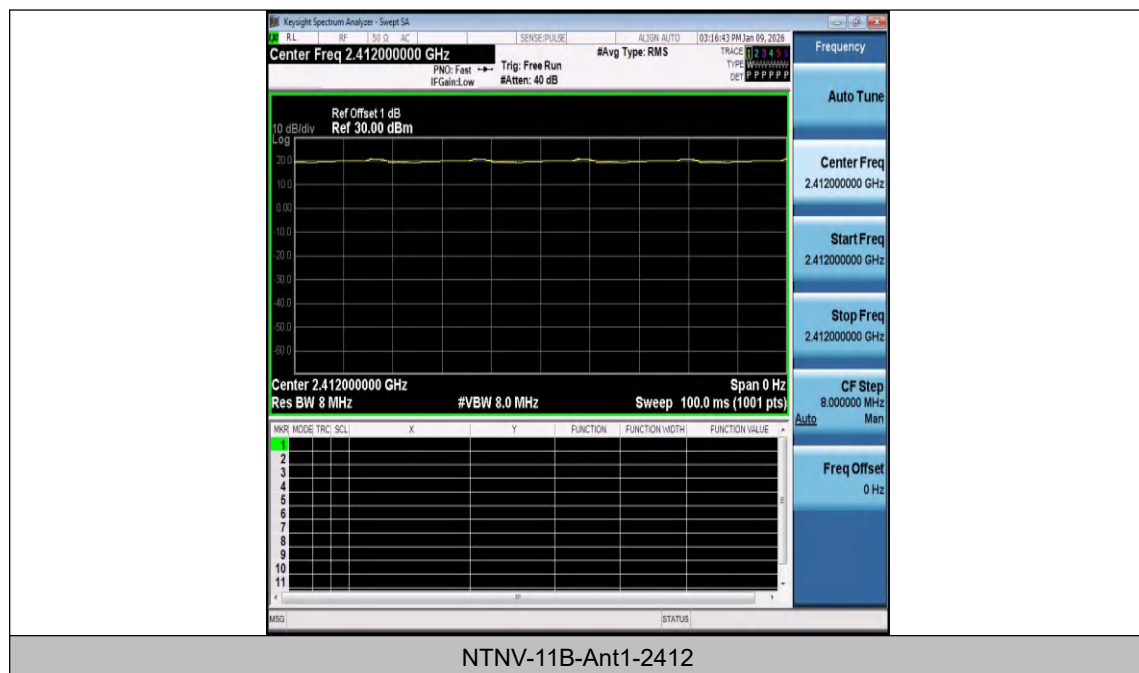
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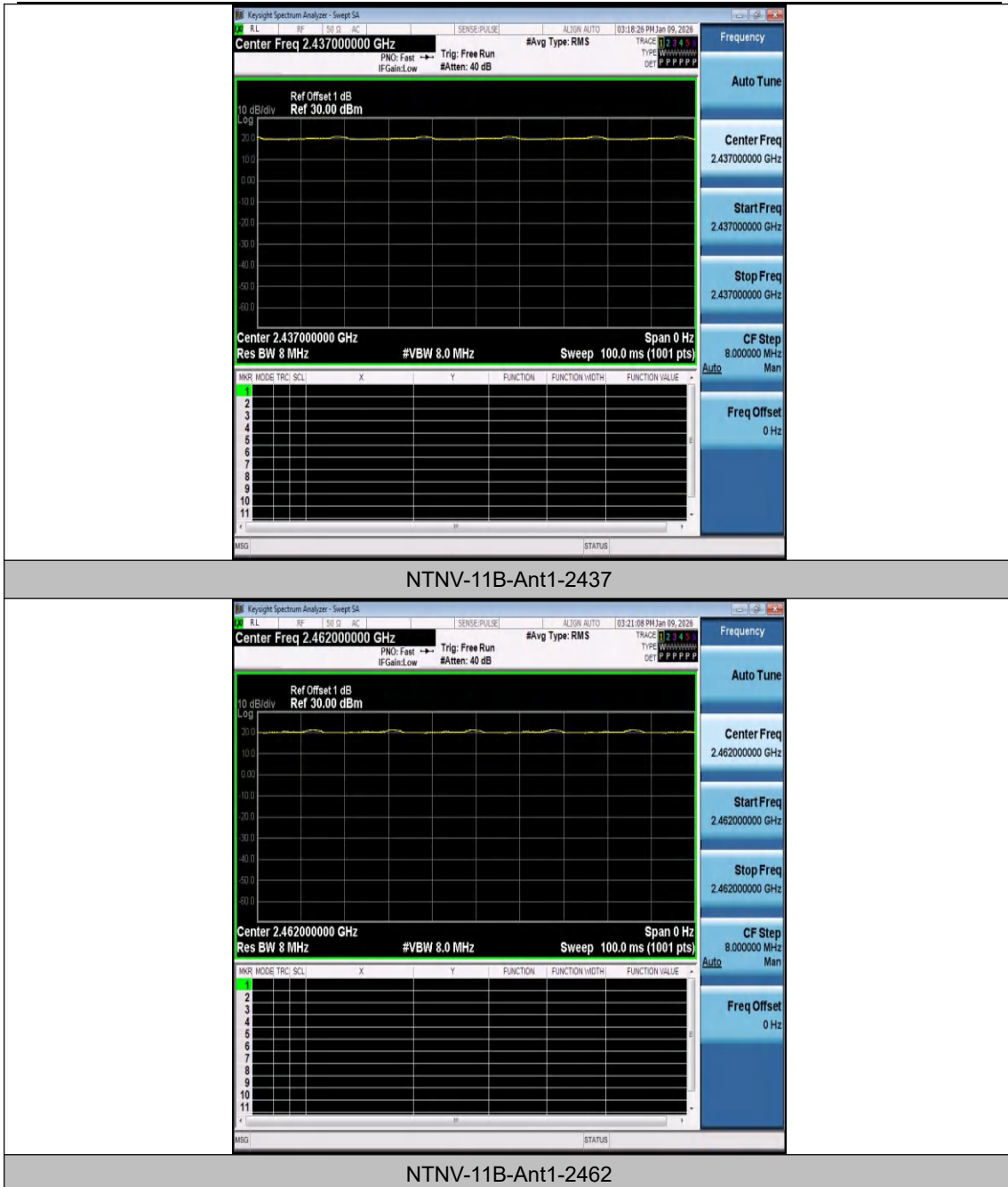
Appendix G: Duty Cycle

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

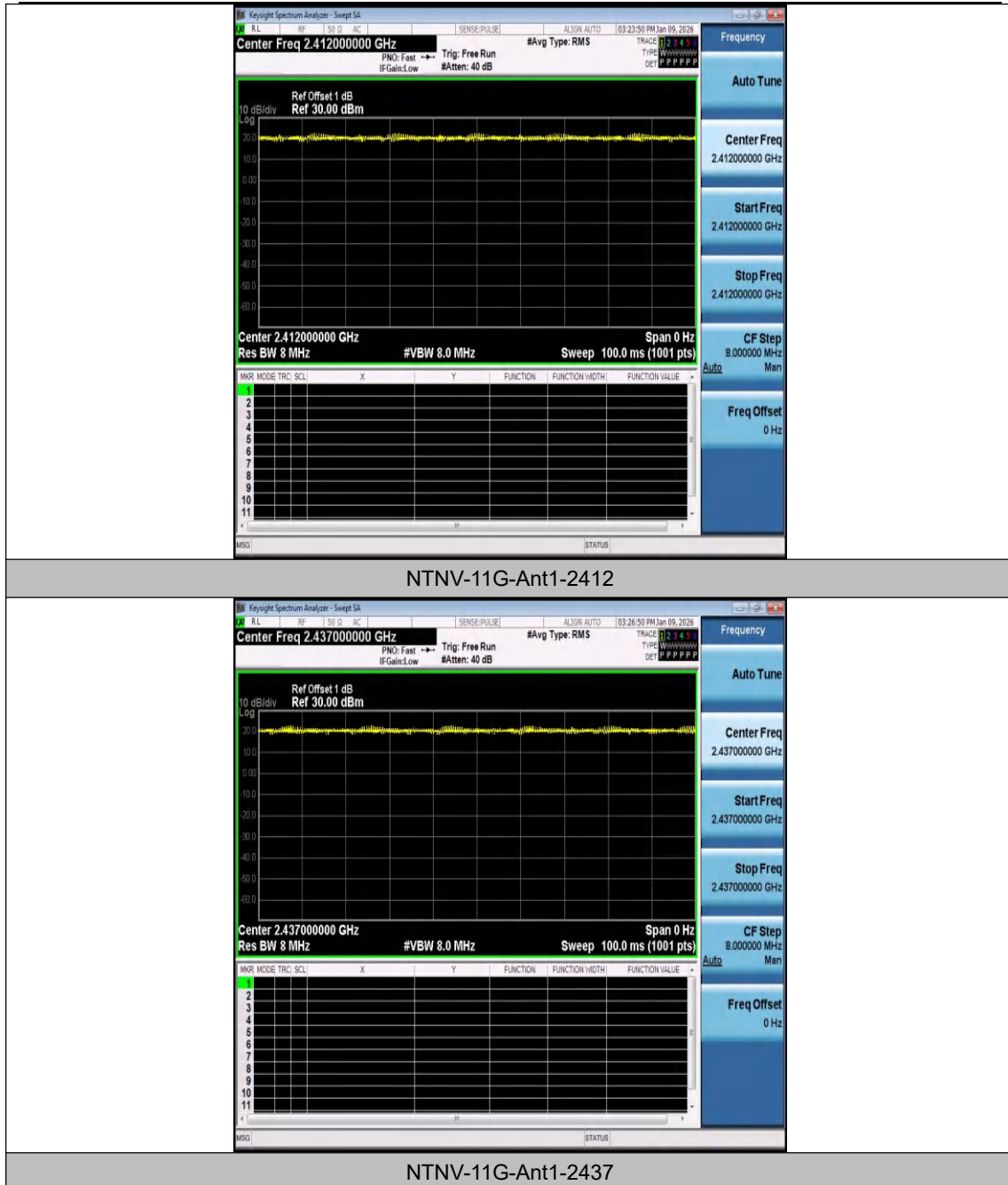




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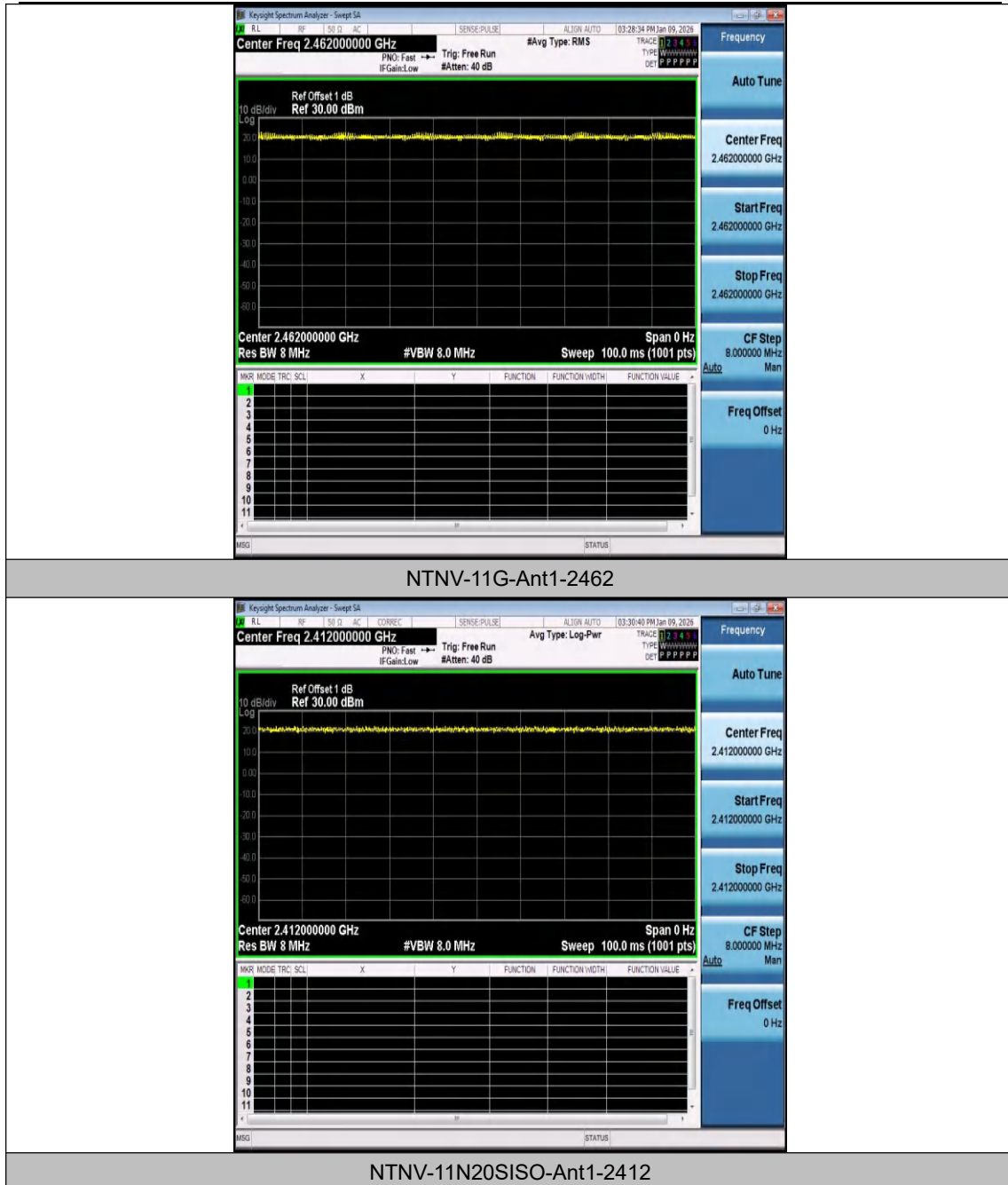
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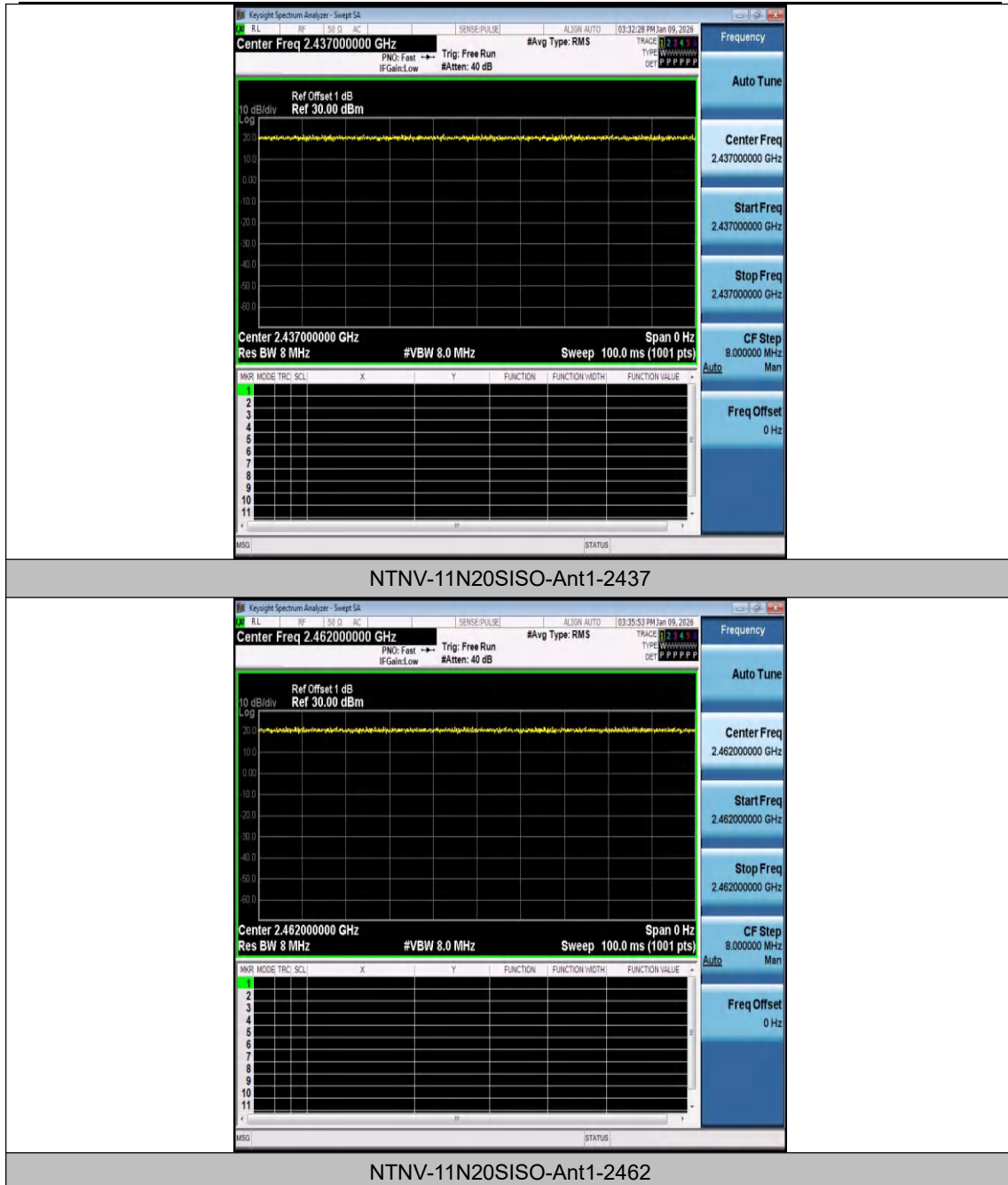
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