

Appendix Test Data

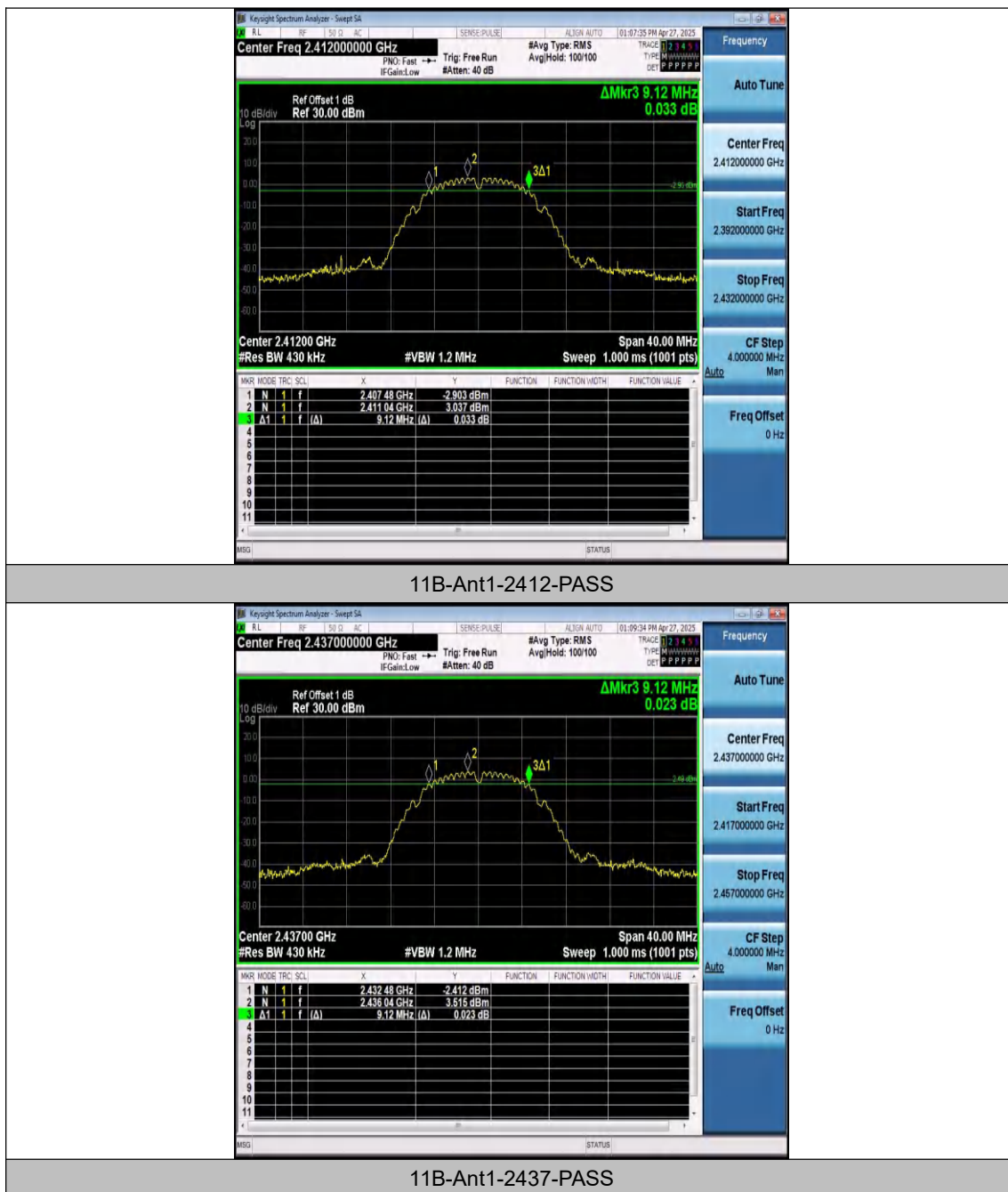
Report No.:	1818C50075312501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-27	Finish Test Date:	2025-04-27
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	47%
Pressure:	101kPa		

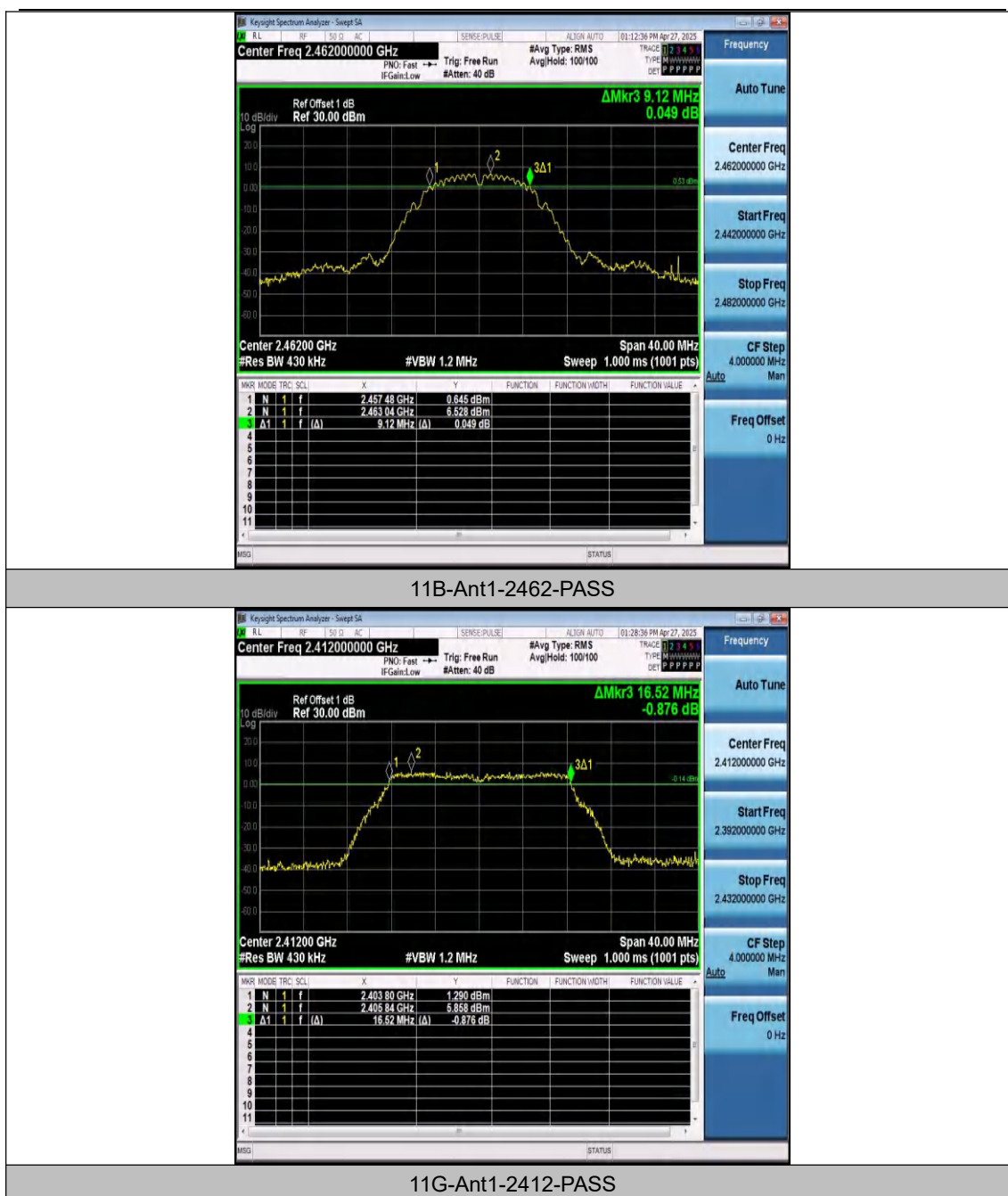
Appendix A: 6dB Bandwidth

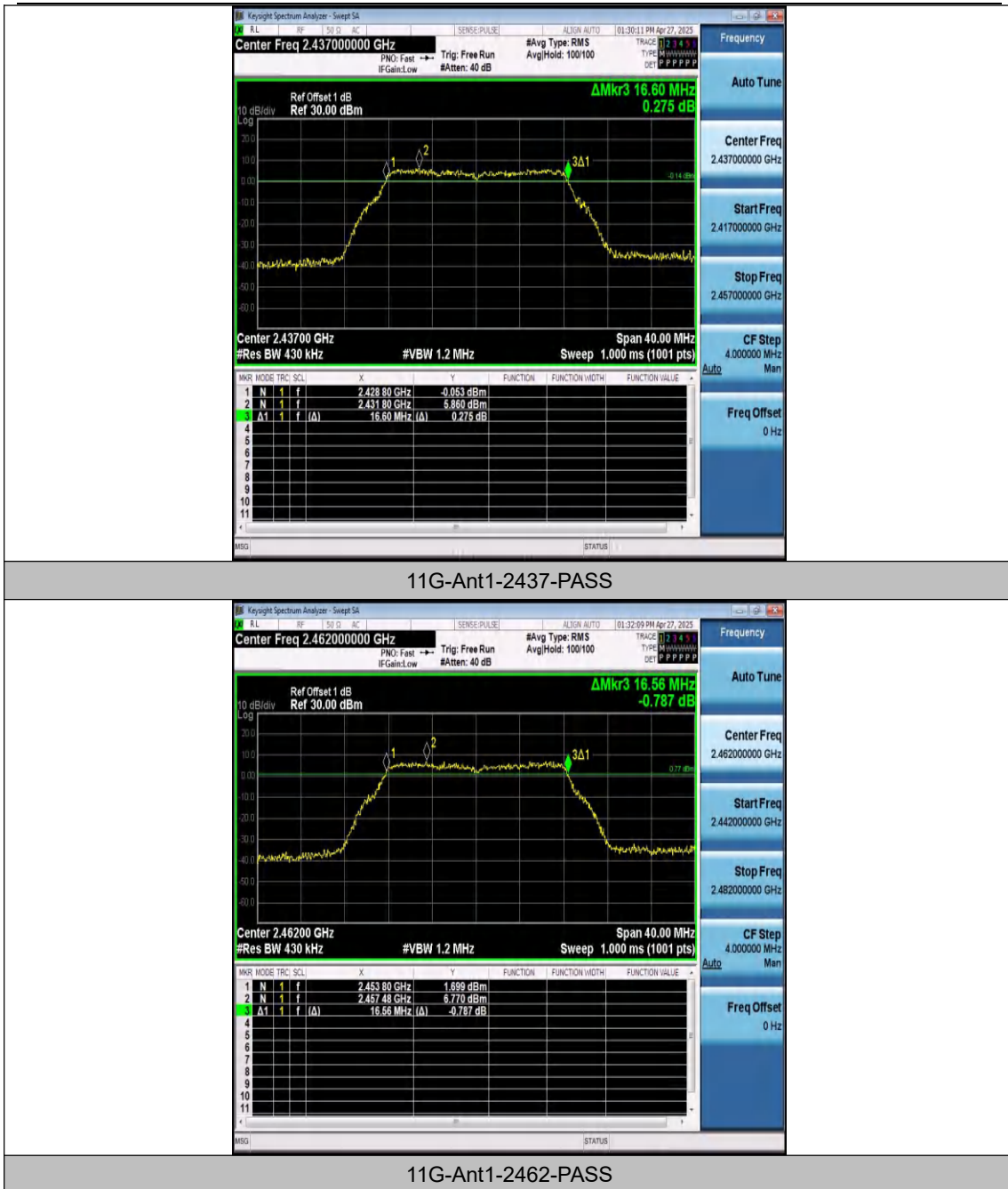
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.480	2416.600	0.5	PASS
11B	Ant1	2437	9.120	2432.480	2441.600	0.5	PASS
11B	Ant1	2462	9.120	2457.480	2466.600	0.5	PASS
11G	Ant1	2412	16.520	2403.800	2420.320	0.5	PASS
11G	Ant1	2437	16.600	2428.800	2445.400	0.5	PASS
11G	Ant1	2462	16.560	2453.800	2470.360	0.5	PASS
11N20SISO	Ant1	2412	18.040	2403.040	2421.080	0.5	PASS
11N20SISO	Ant1	2437	17.680	2428.160	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.840	2453.200	2471.040	0.5	PASS

Test Graphs



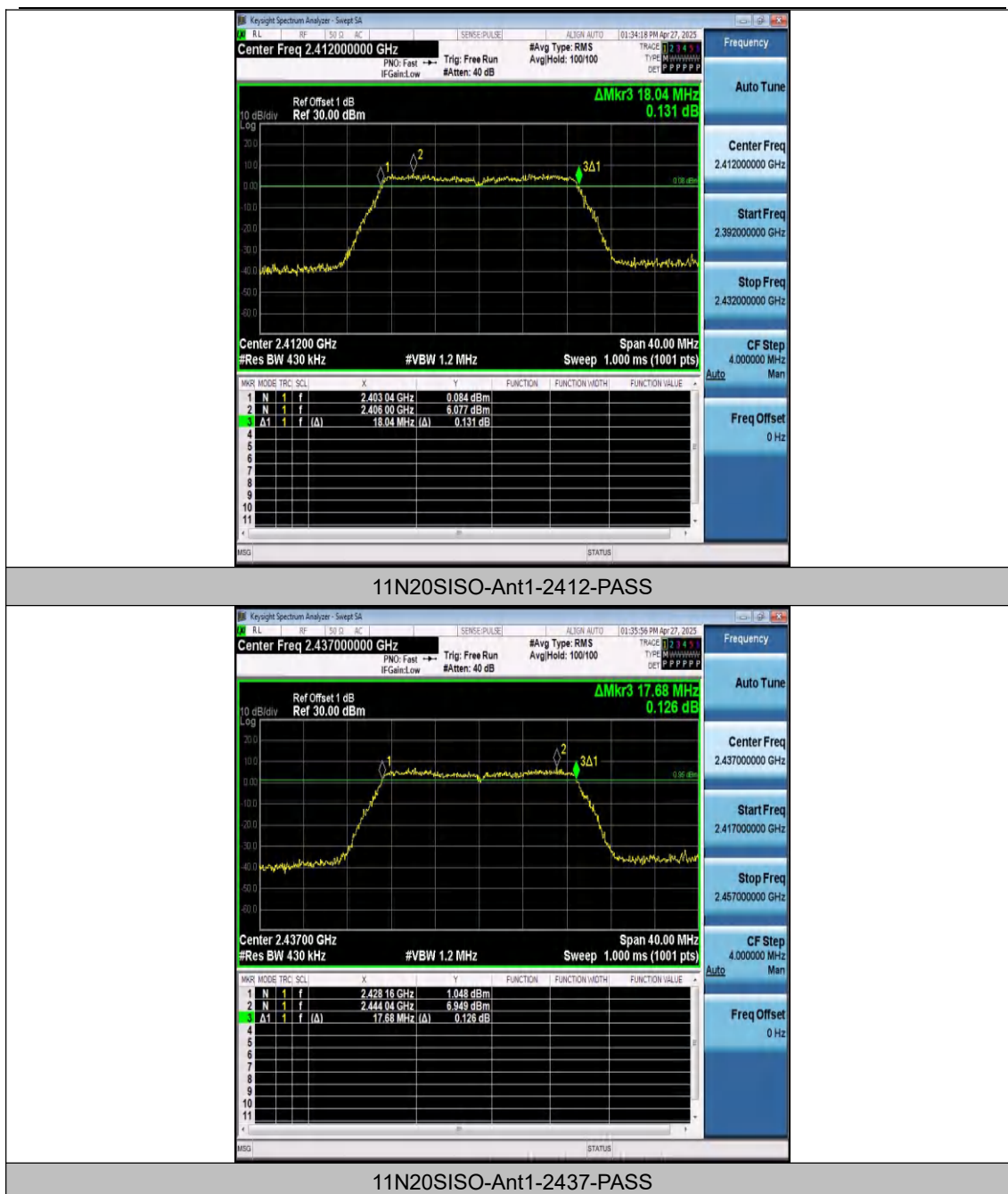


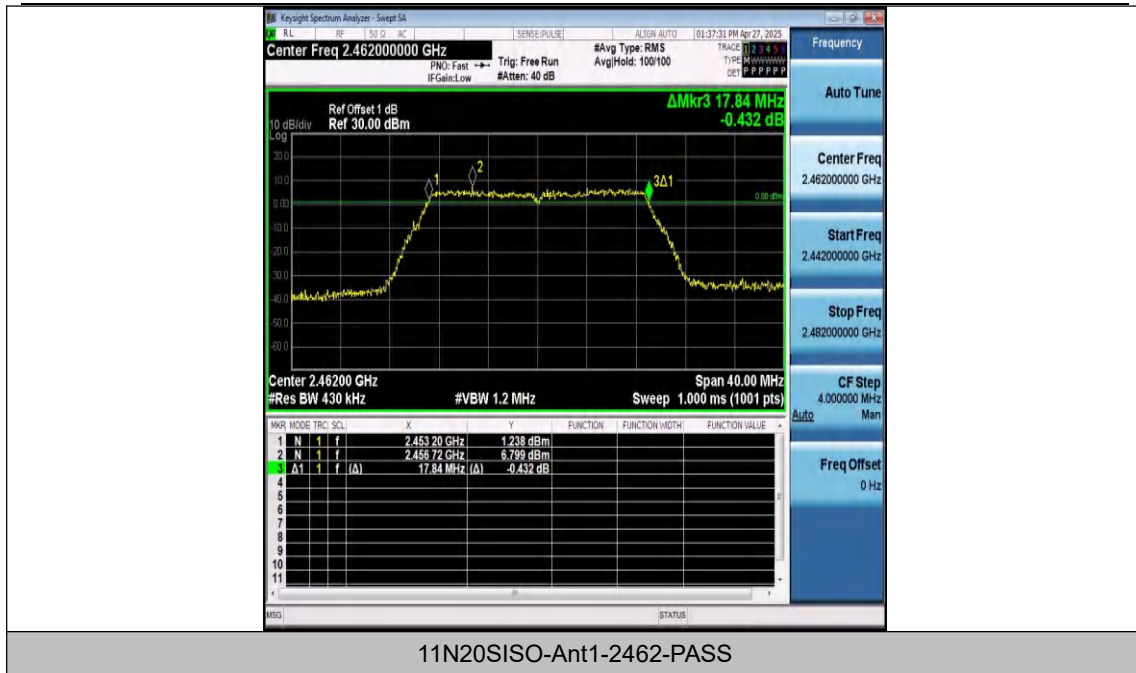


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11N20SISO-Ant1-2462-PASS

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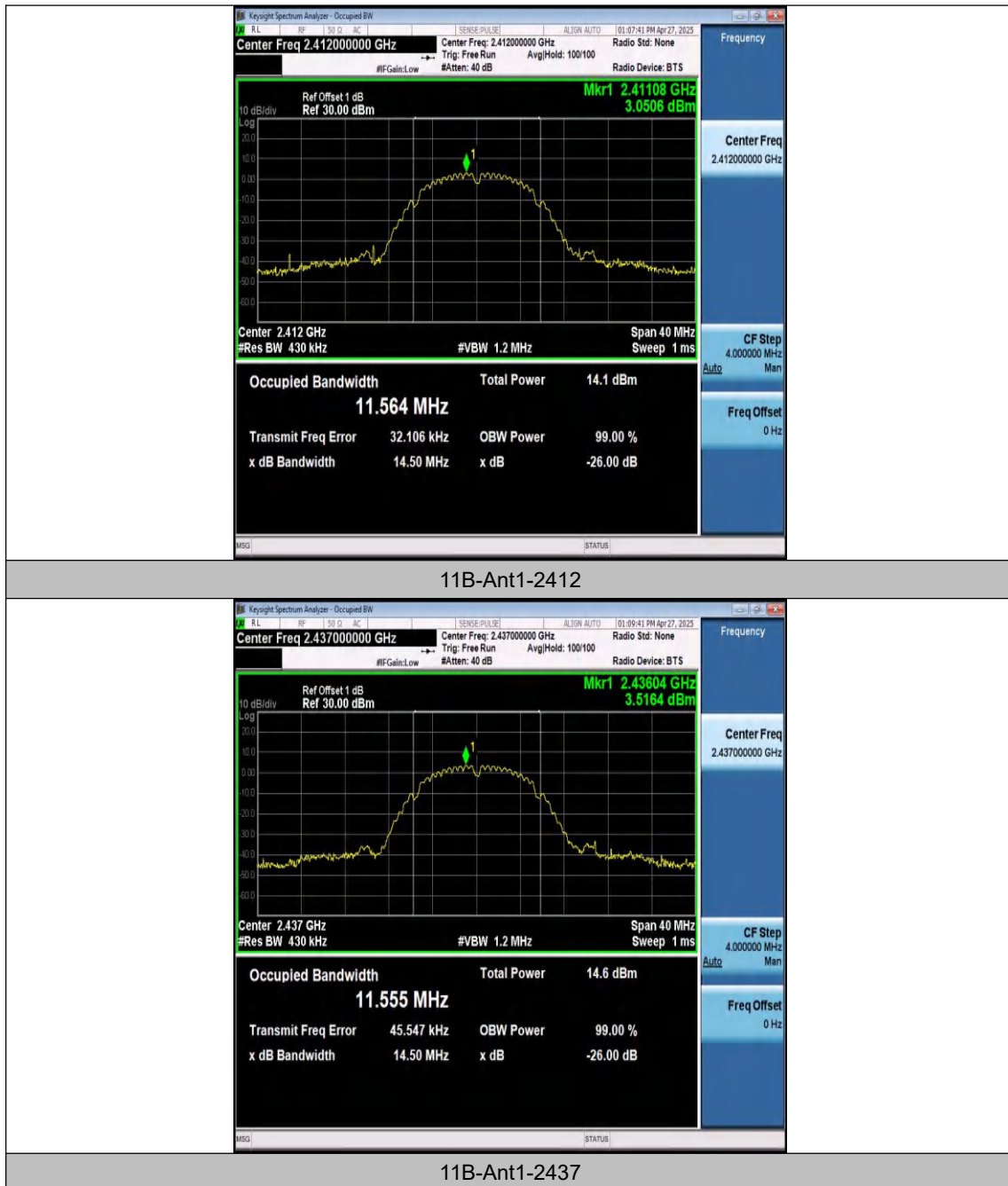
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.564	2406.2501	2417.8141	---	---
11B	Ant1	2437	11.555	2431.2681	2442.8231	---	---
11B	Ant1	2462	11.615	2456.2453	2467.8603	---	---
11G	Ant1	2412	17.492	2403.2284	2420.7204	---	---
11G	Ant1	2437	17.456	2428.3334	2445.7894	---	---
11G	Ant1	2462	17.330	2453.3865	2470.7165	---	---
11N20SISO	Ant1	2412	18.407	2402.8201	2421.2271	---	---
11N20SISO	Ant1	2437	18.416	2427.8616	2446.2776	---	---
11N20SISO	Ant1	2462	18.359	2452.8804	2471.2394	---	---

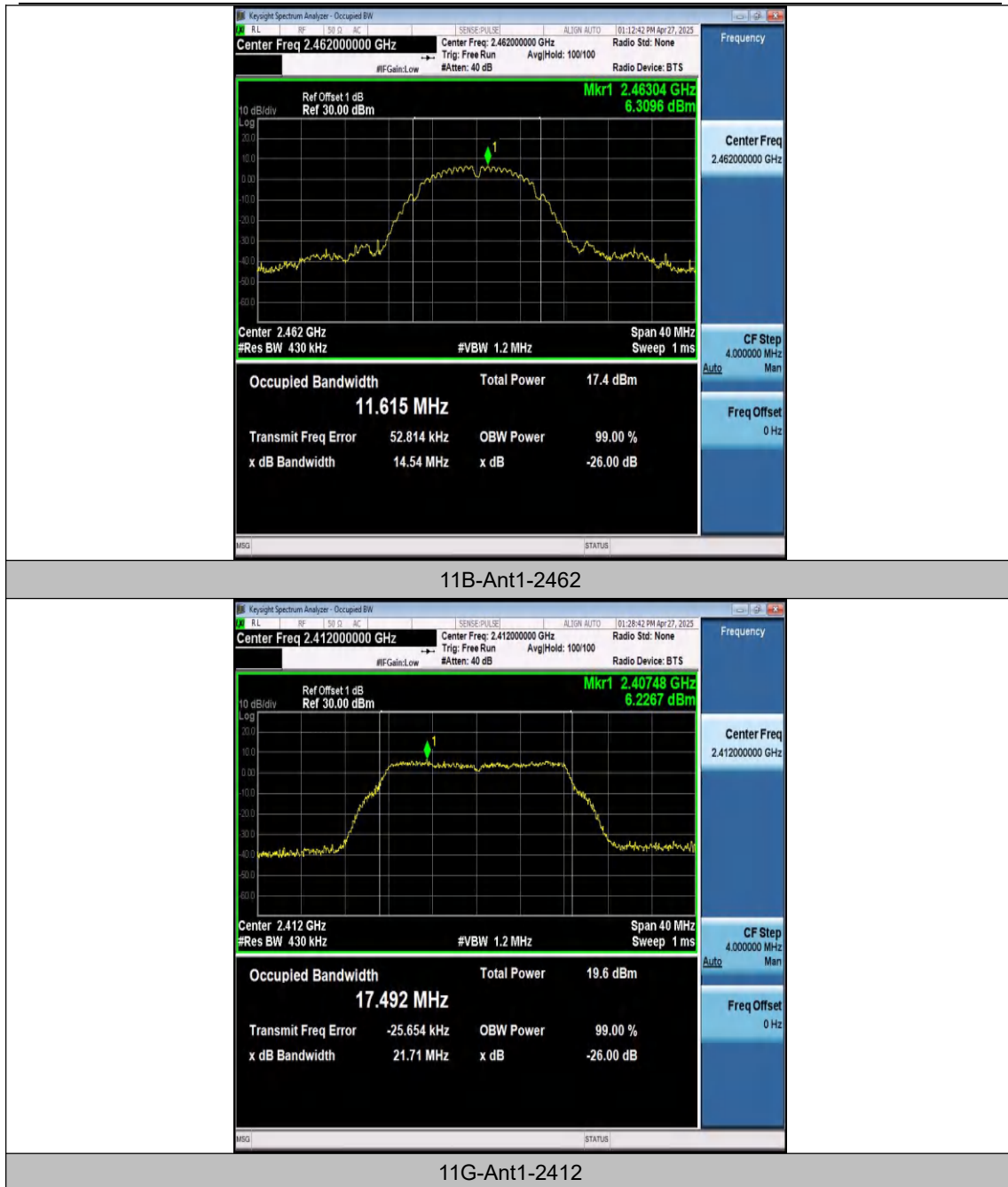
Test Graphs

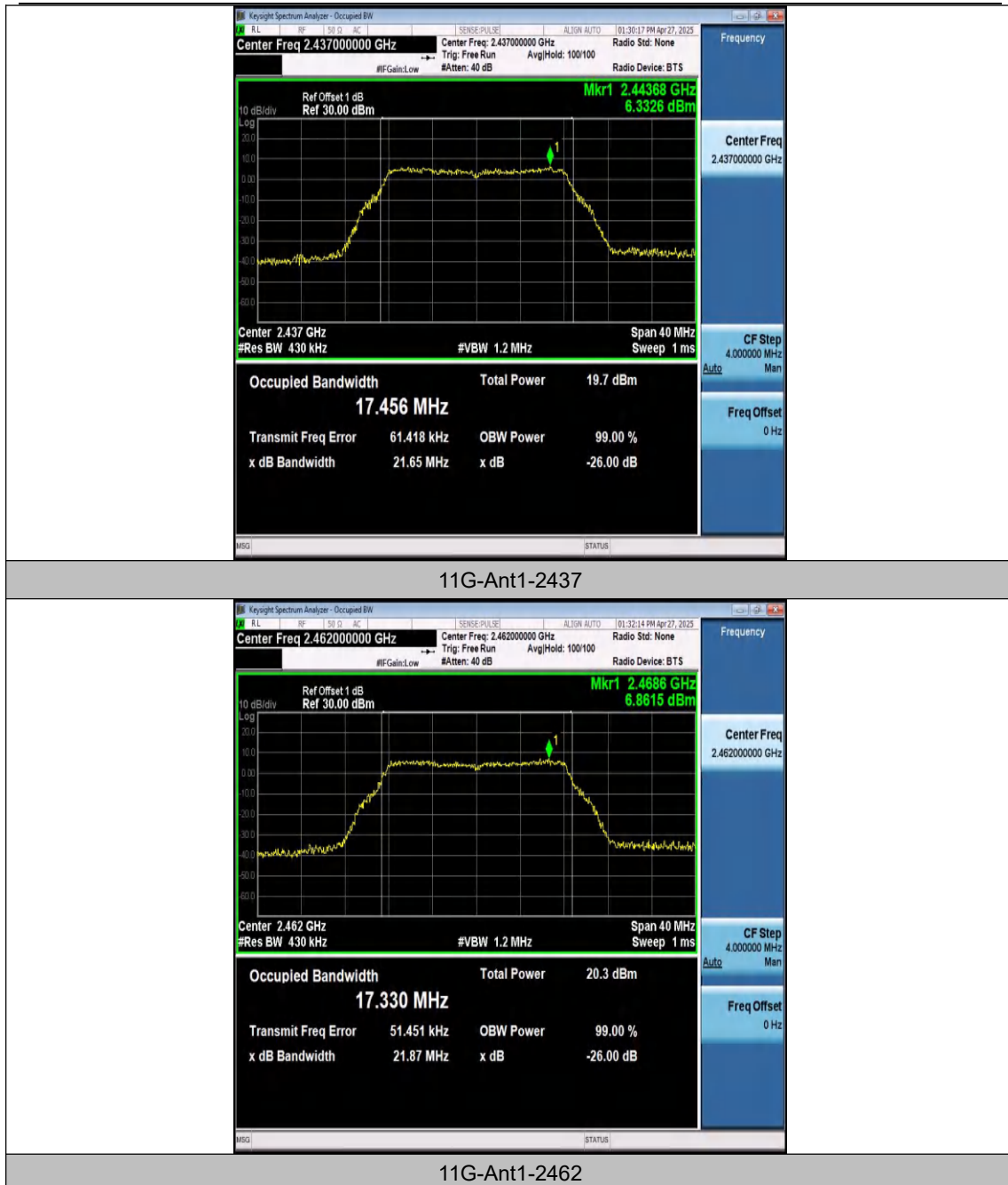


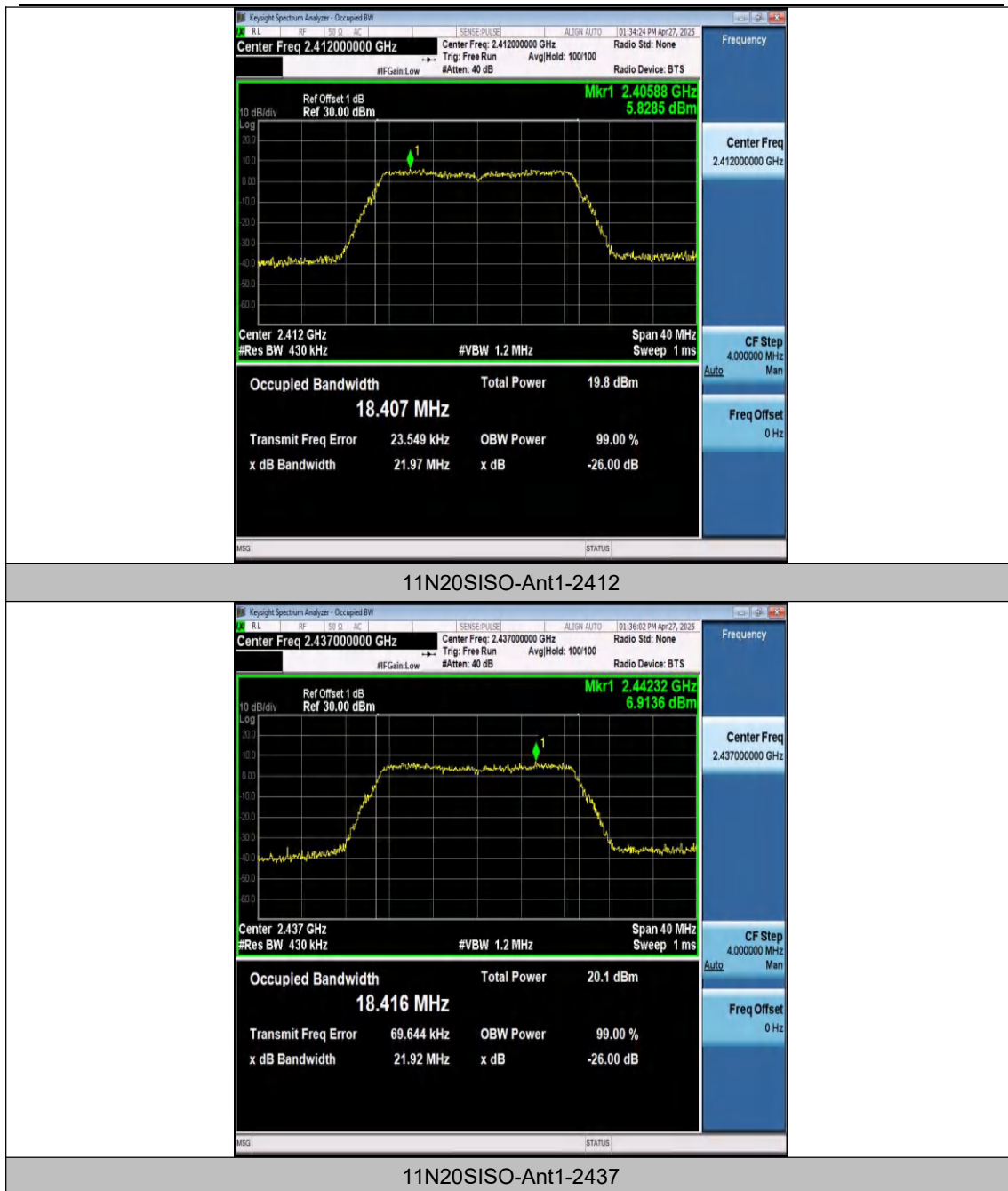
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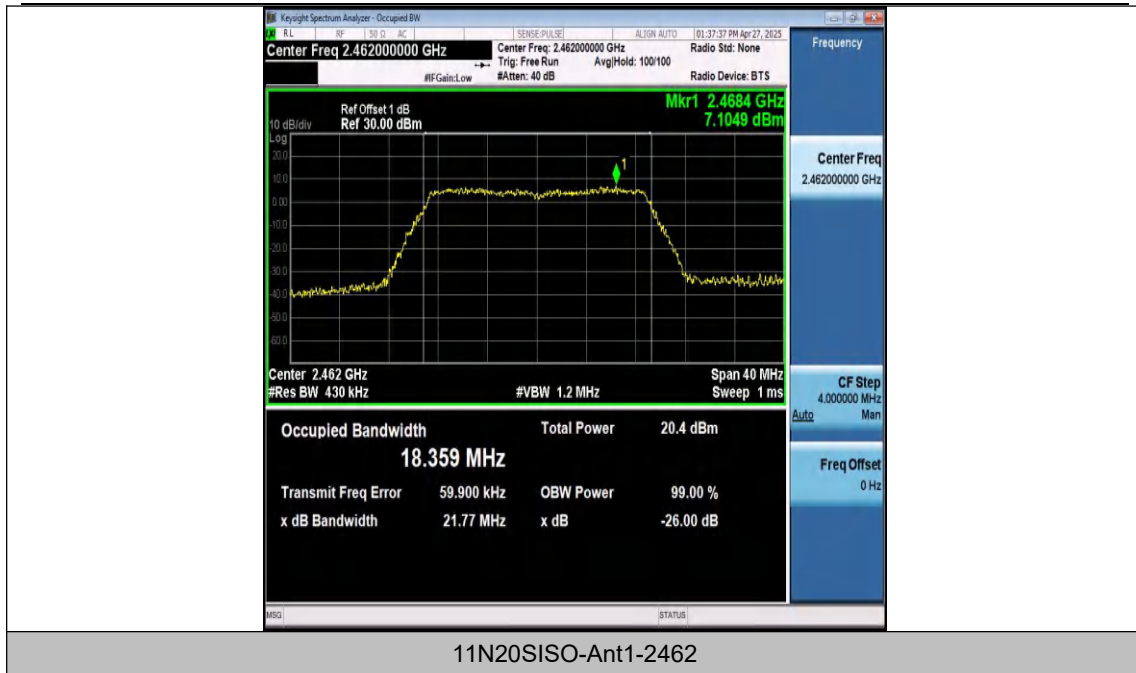
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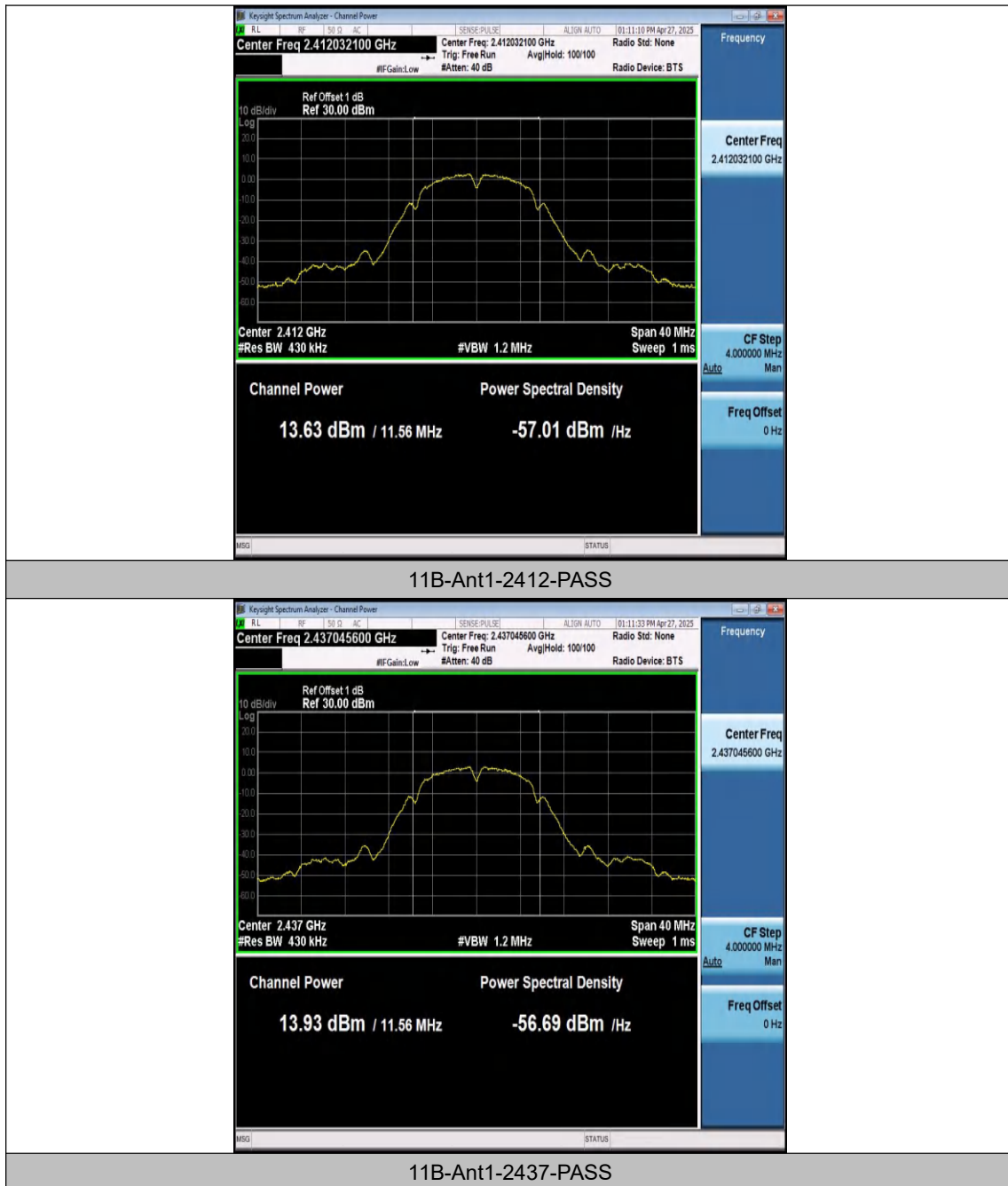
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.63	100.00	0.00	13.63	≤30.0 0	PASS
11B	Ant1	2437	13.93	100.00	0.00	13.93	≤30.0 0	PASS
11B	Ant1	2462	14.38	100.00	0.00	14.38	≤30.0 0	PASS
11G	Ant1	2412	13.03	92.67	0.33	13.36	≤30.0 0	PASS
11G	Ant1	2437	13.22	92.67	0.33	13.55	≤30.0 0	PASS
11G	Ant1	2462	13.77	92.67	0.33	14.10	≤30.0 0	PASS
11N20SI SO	Ant1	2412	13.07	92.25	0.35	13.42	≤30.0 0	PASS
11N20SI SO	Ant1	2437	13.51	92.25	0.35	13.86	≤30.0 0	PASS
11N20SI SO	Ant1	2462	13.71	92.25	0.35	14.06	≤30.0 0	PASS

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

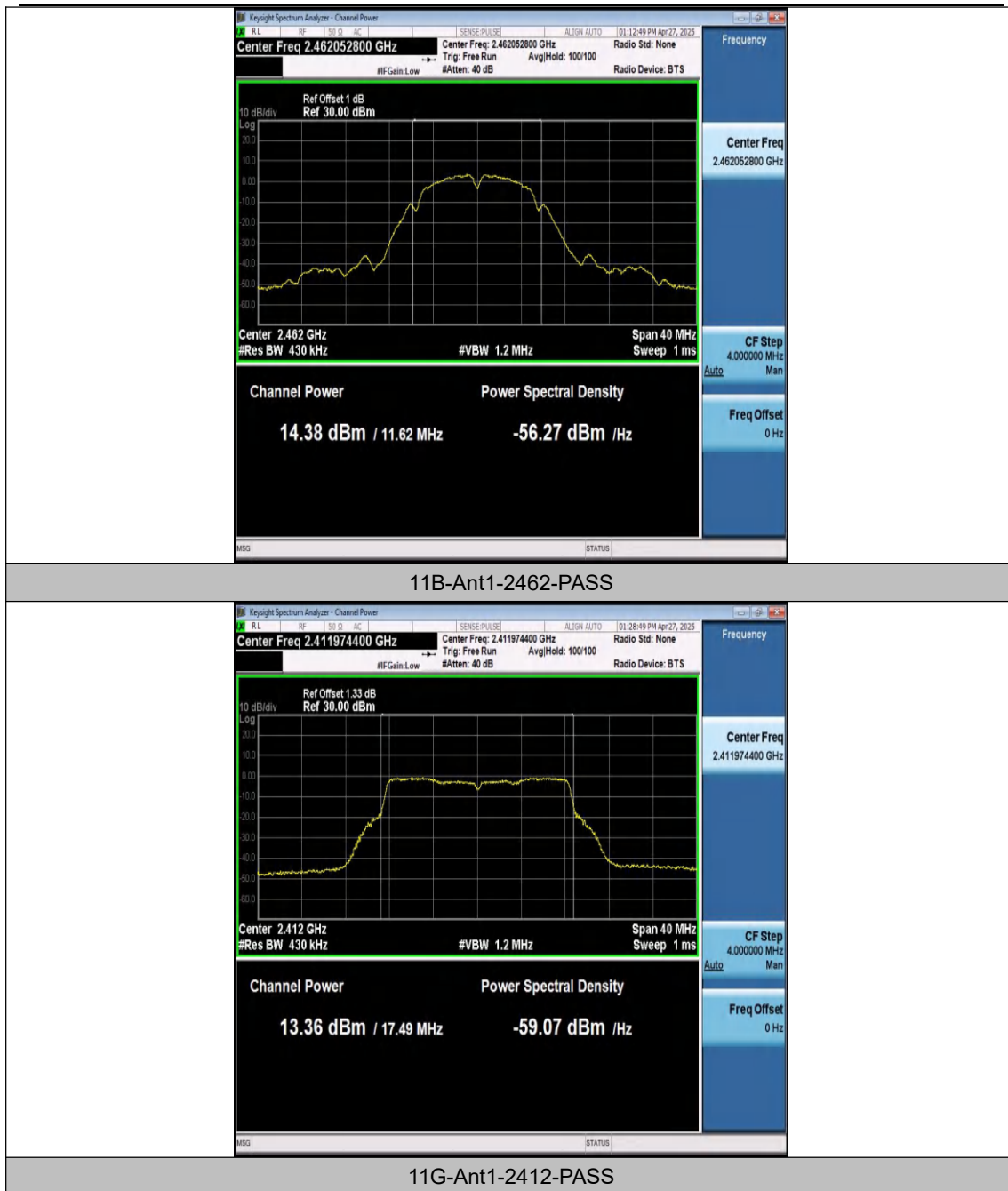
Test Graphs Average

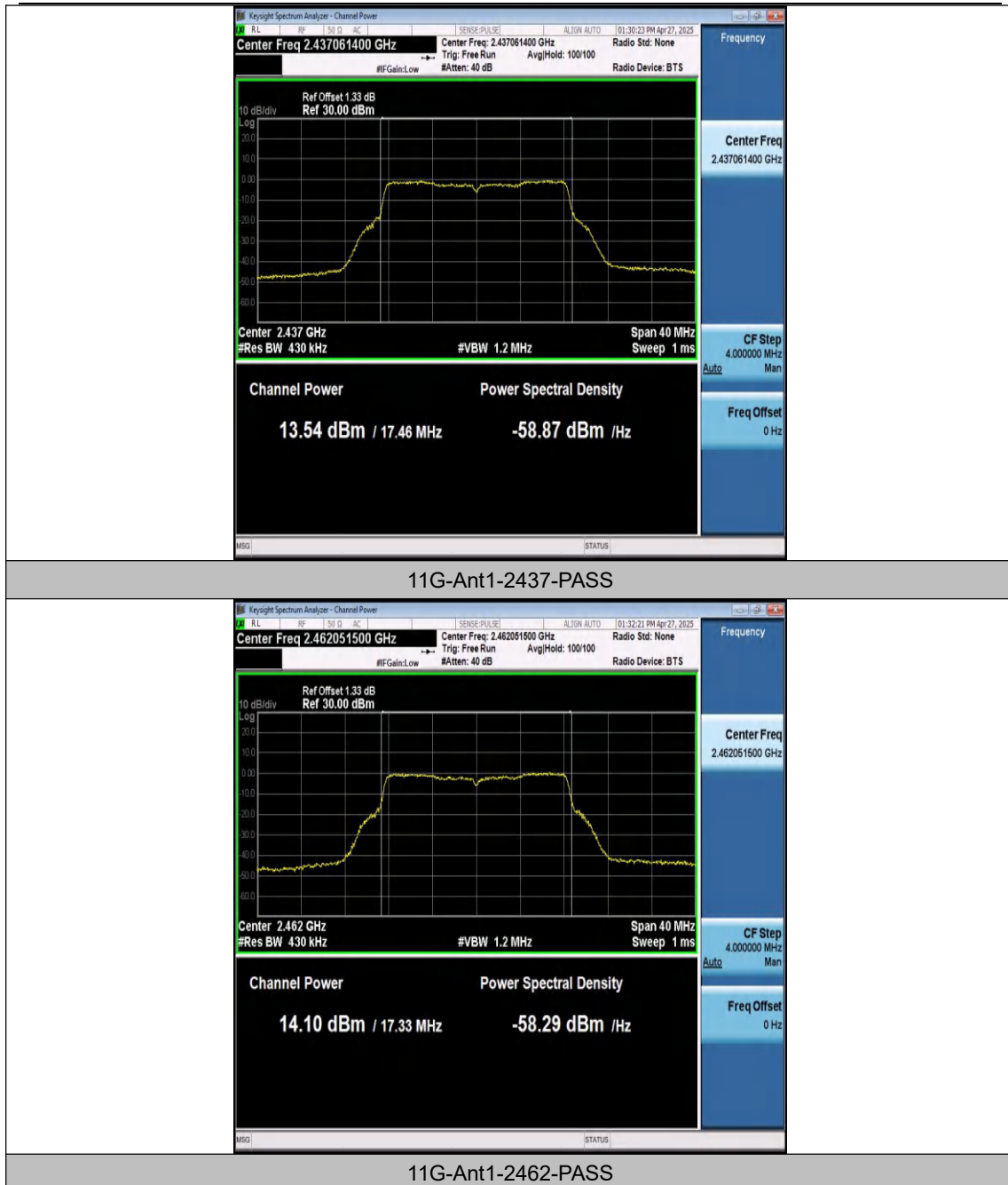


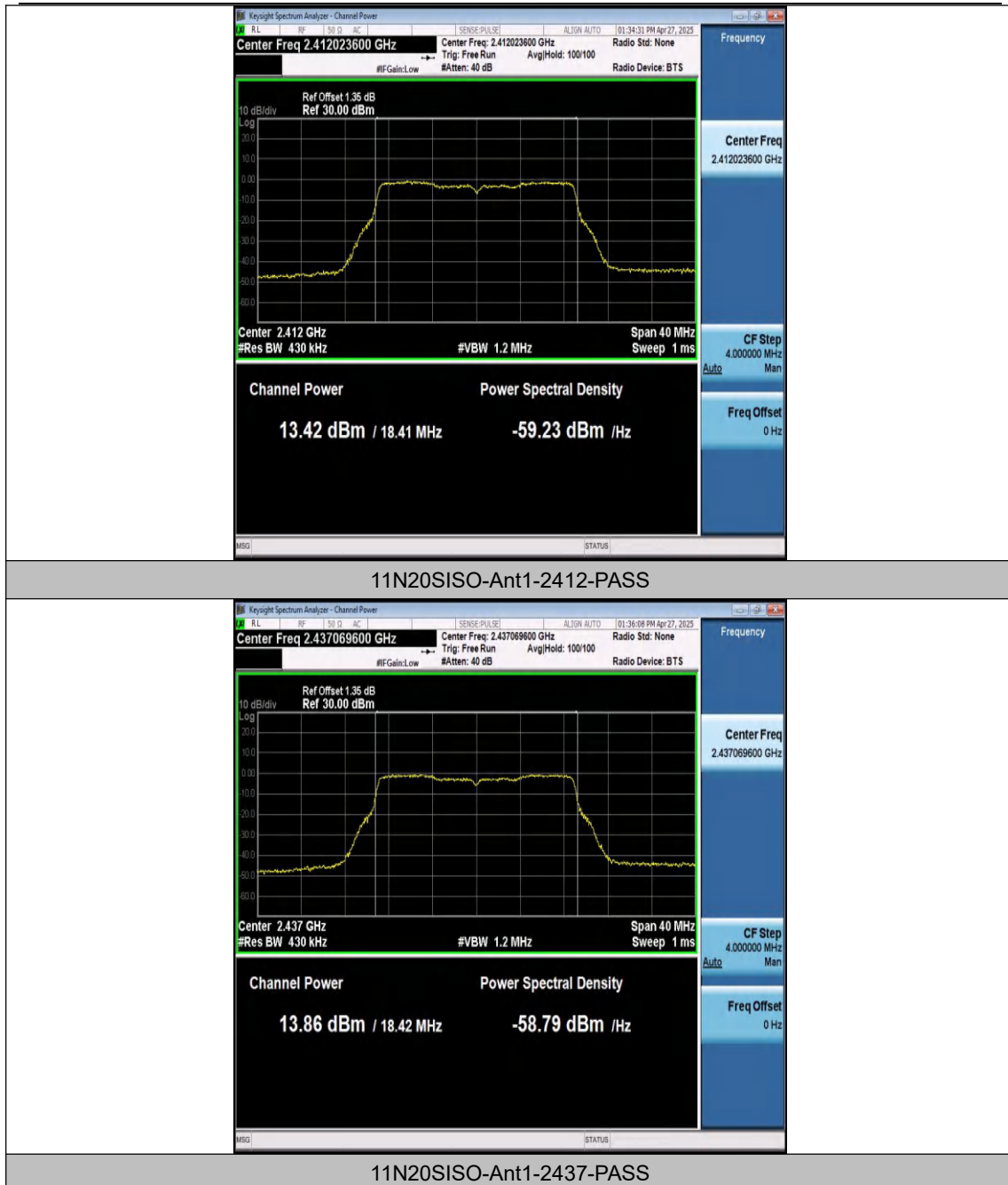
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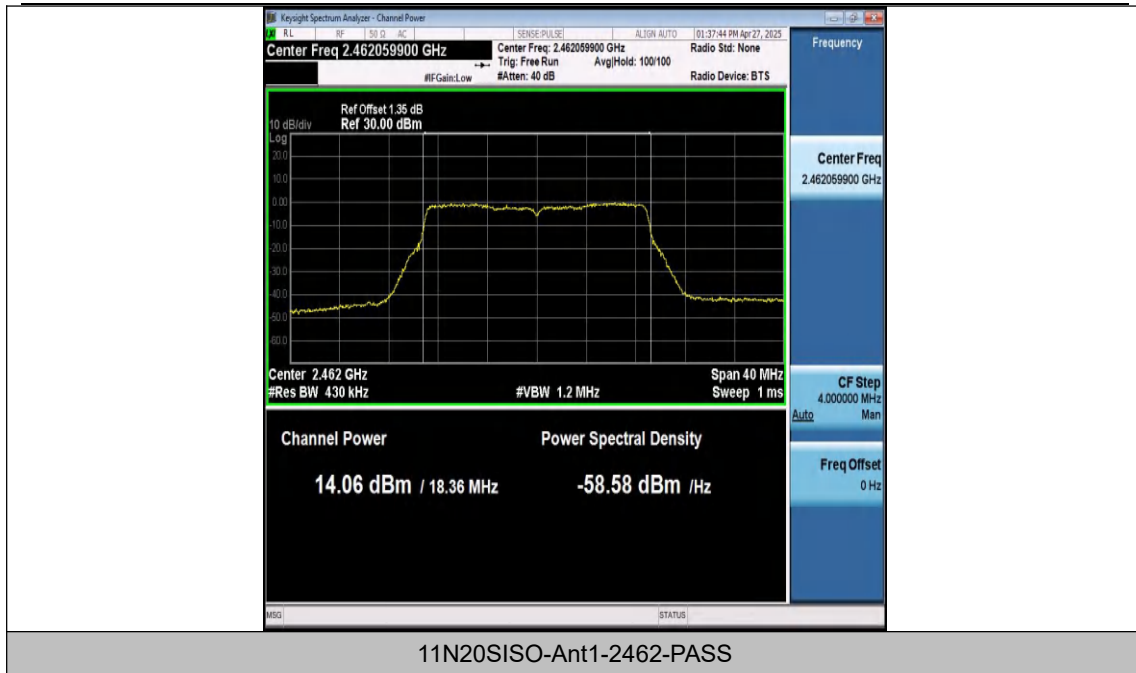
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Appendix D: Maximum power spectral density

Test Result

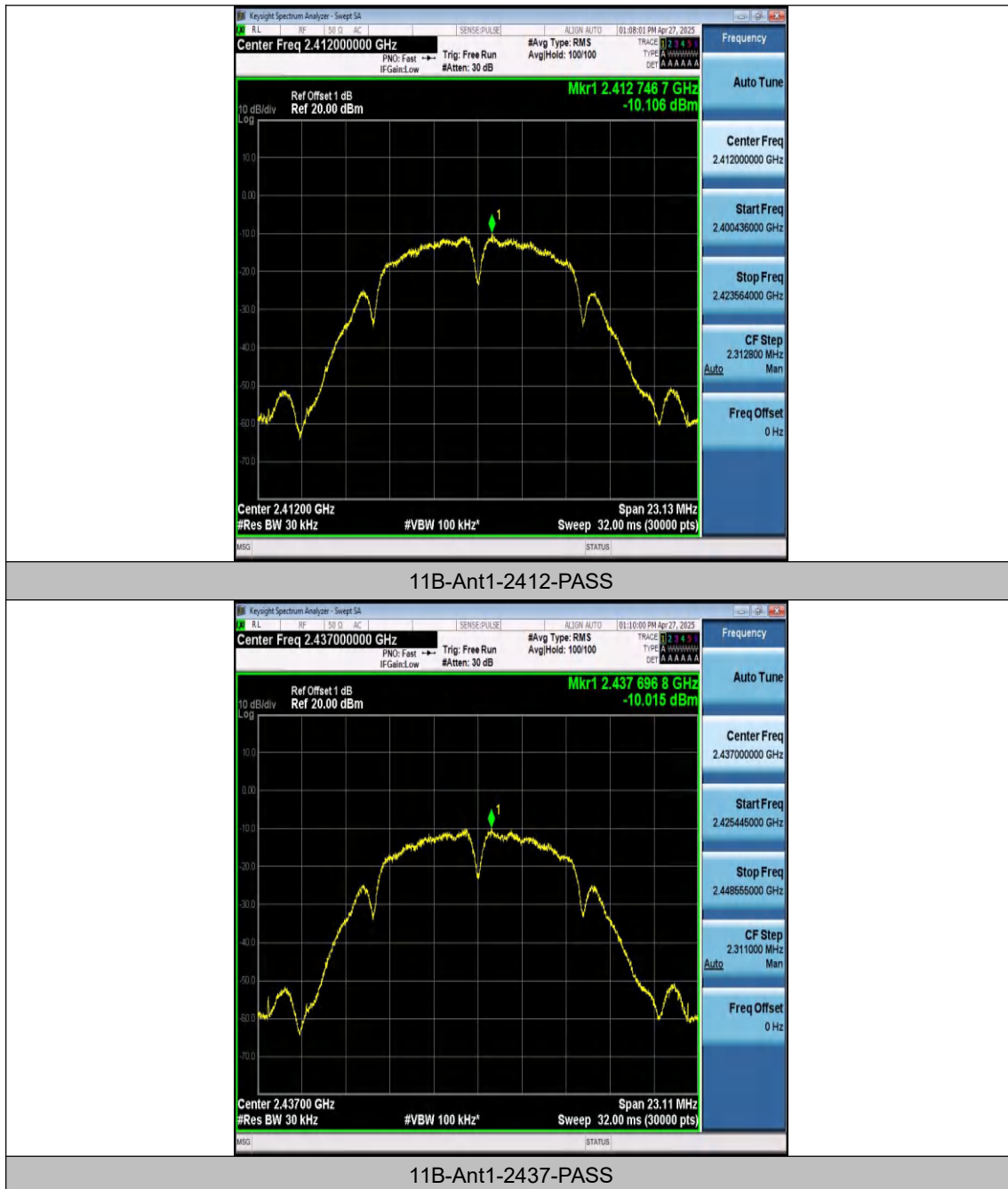
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.11	-20.11	≤8.00	PASS
11B	Ant1	2437	-10.02	-20.02	≤8.00	PASS
11B	Ant1	2462	-7.57	-17.57	≤8.00	PASS
11G	Ant1	2412	-9.88	-19.88	≤8.00	PASS
11G	Ant1	2437	-9.75	-19.75	≤8.00	PASS
11G	Ant1	2462	-9.35	-19.35	≤8.00	PASS
11N20SIS O	Ant1	2412	-10.53	-20.53	≤8.00	PASS
11N20SIS O	Ant1	2437	-9.97	-19.97	≤8.00	PASS
11N20SIS O	Ant1	2462	-9.59	-19.59	≤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

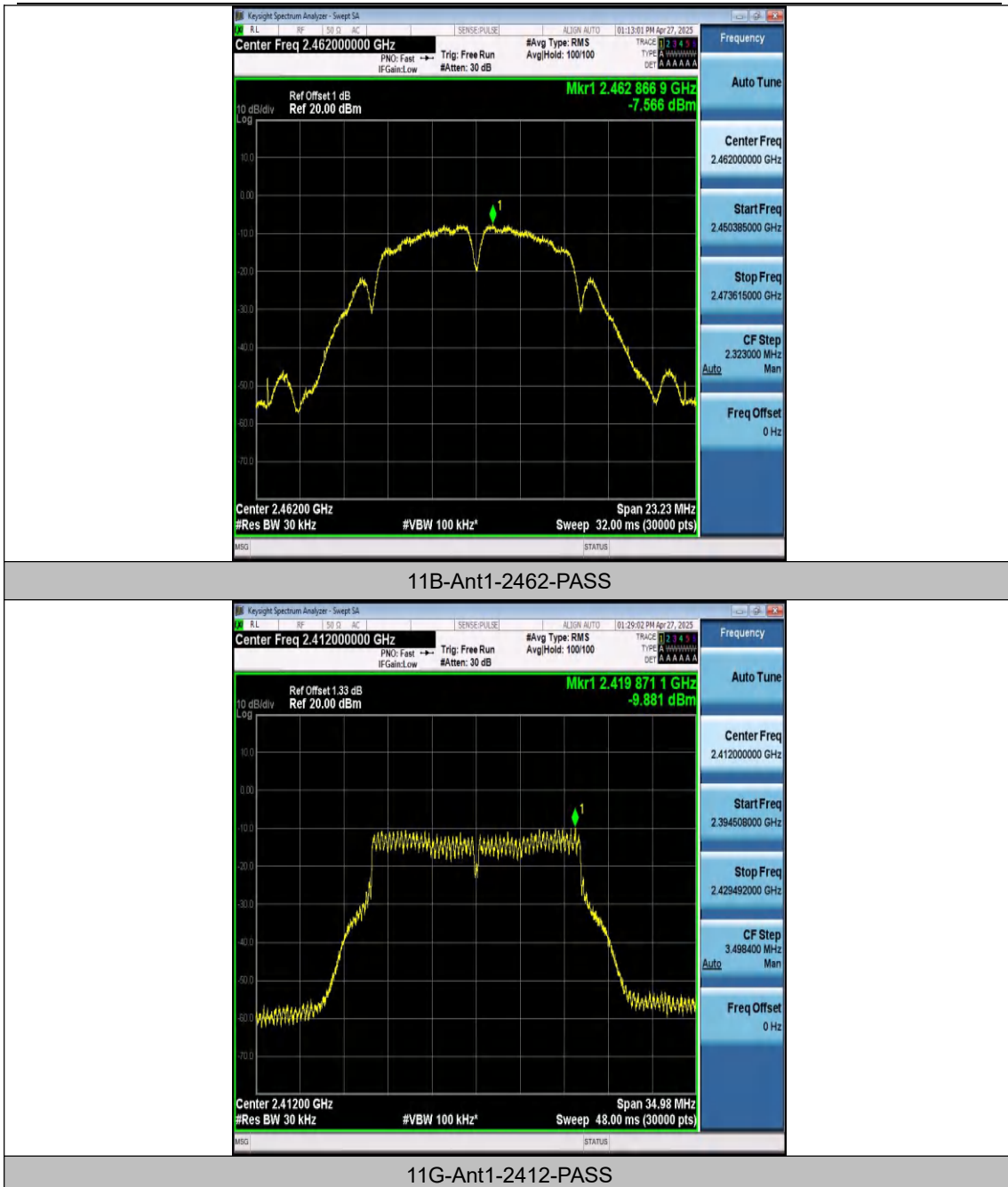


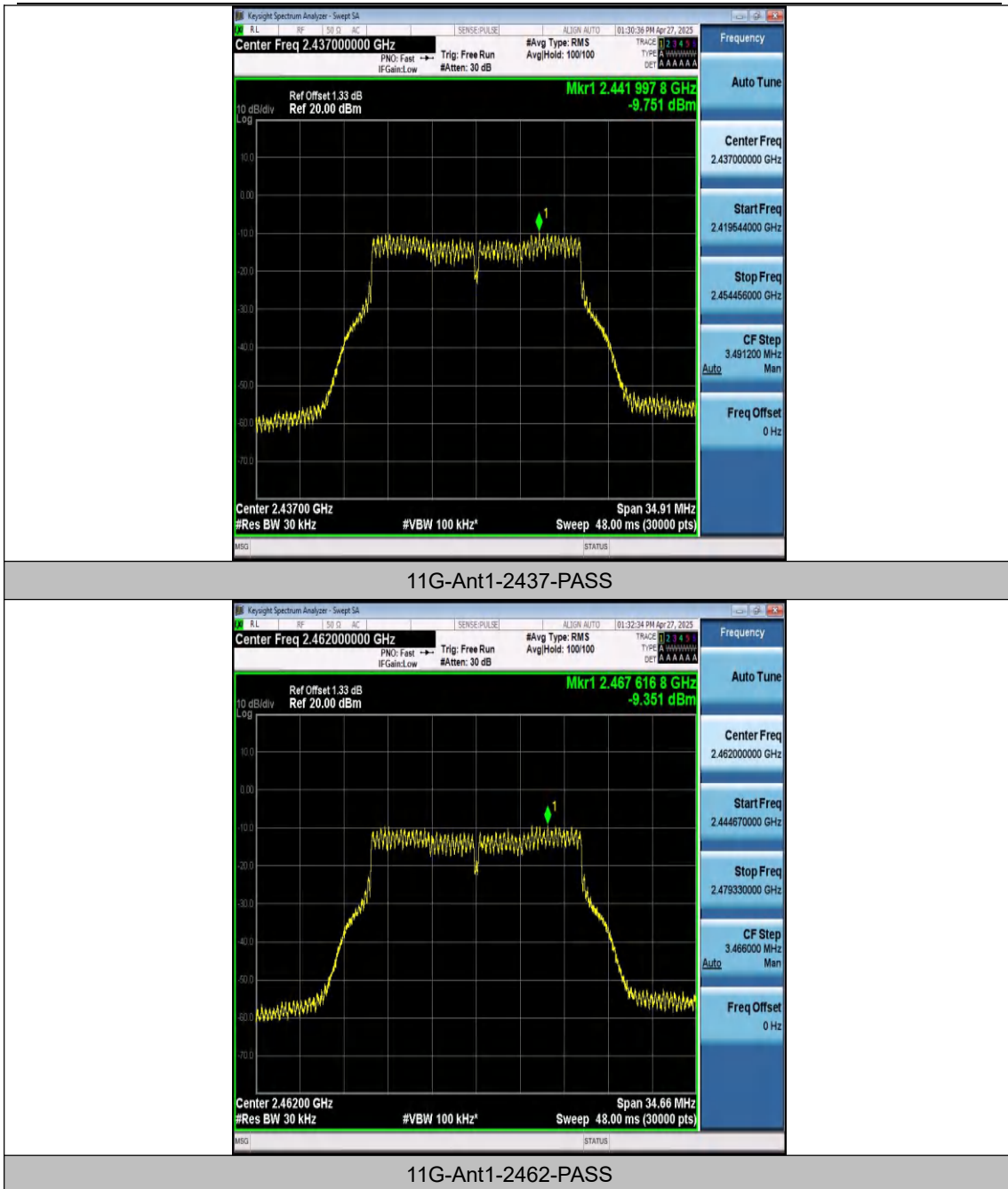
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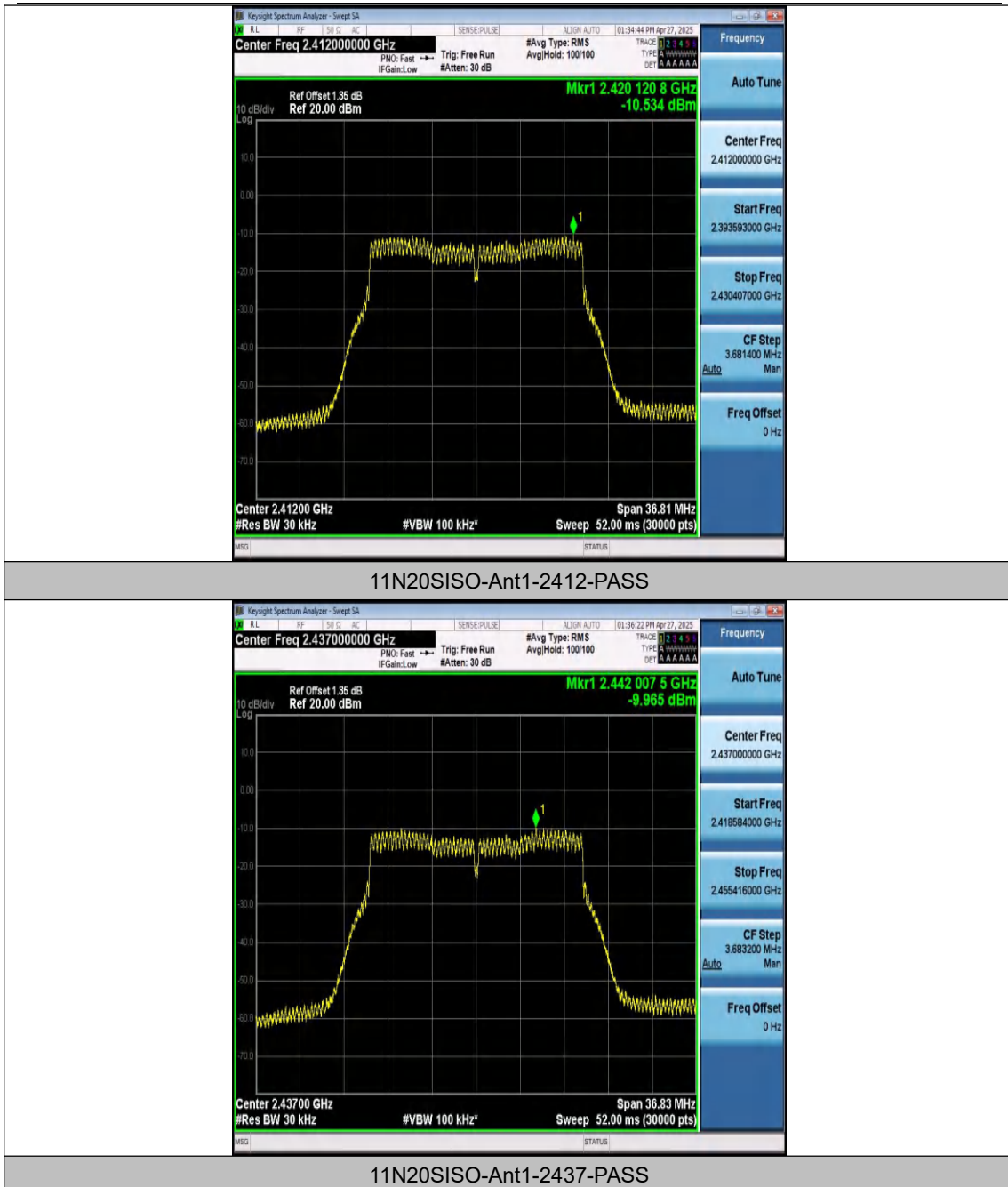


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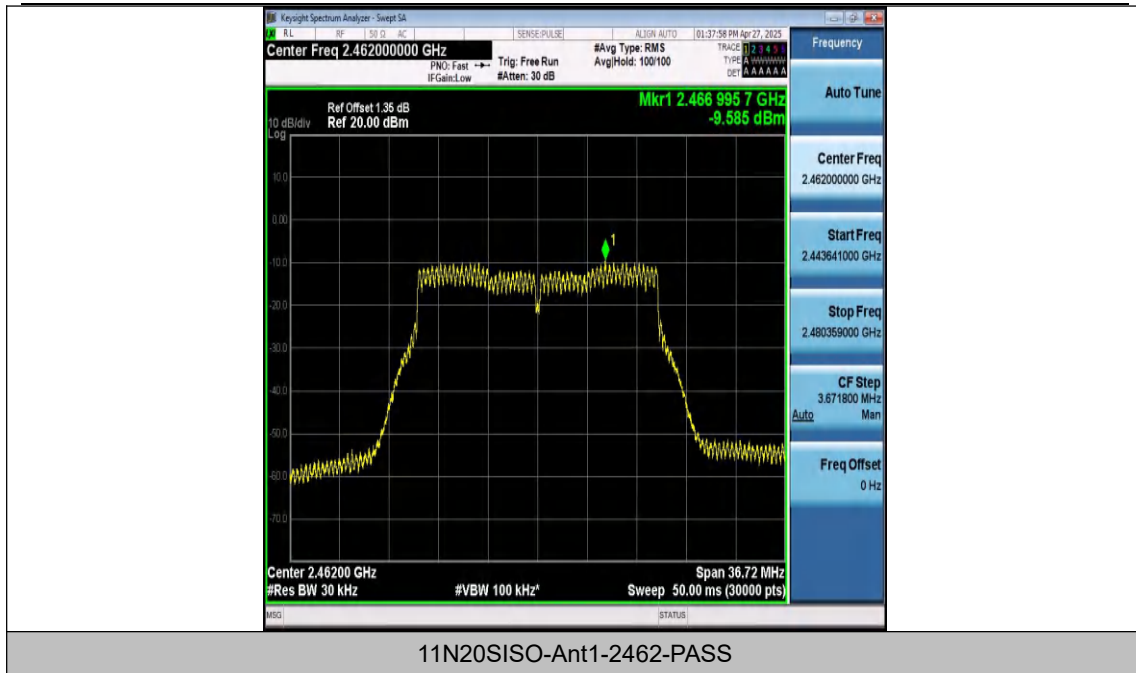
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Appendix E: Conducted Band edge

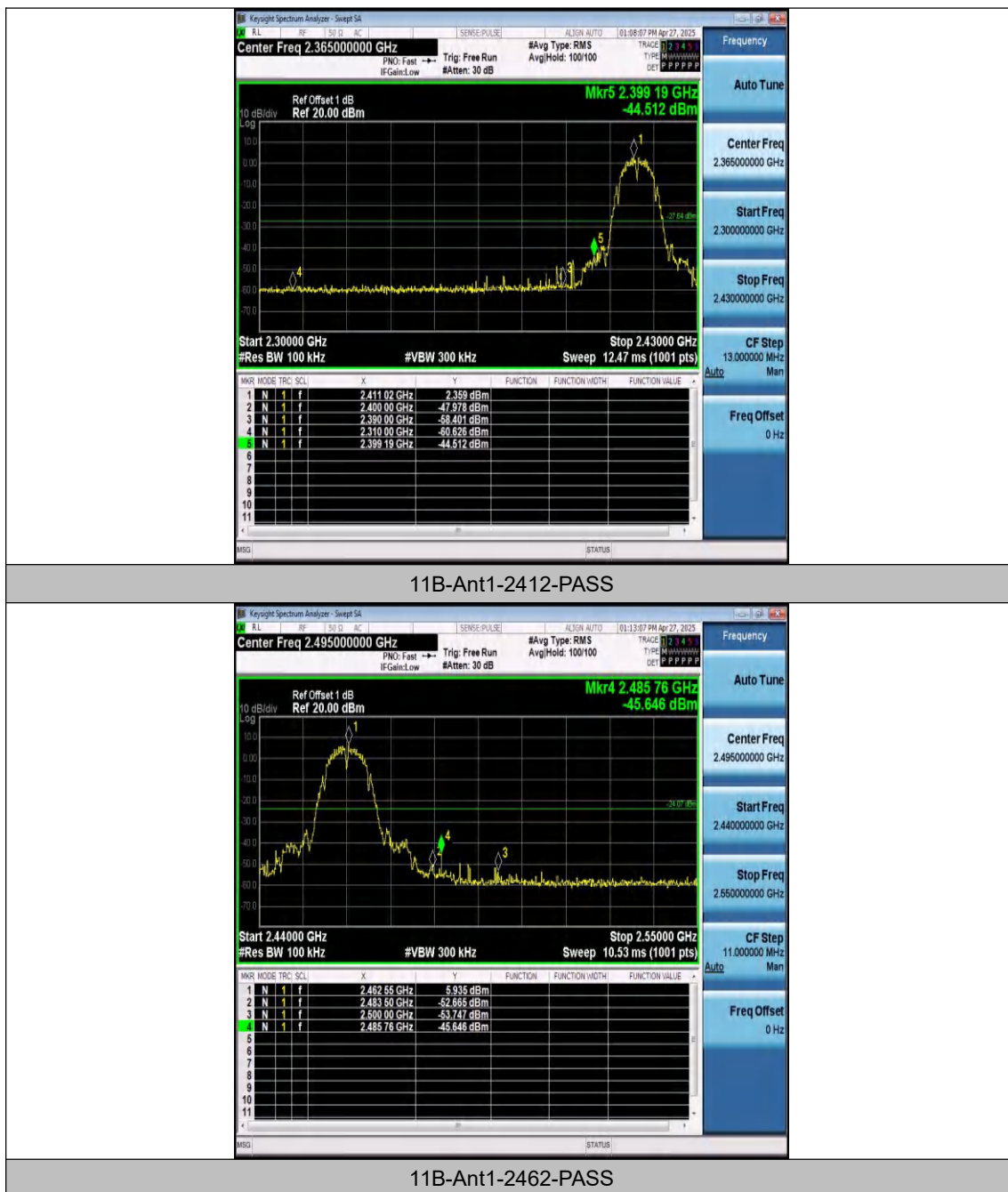
Test Result

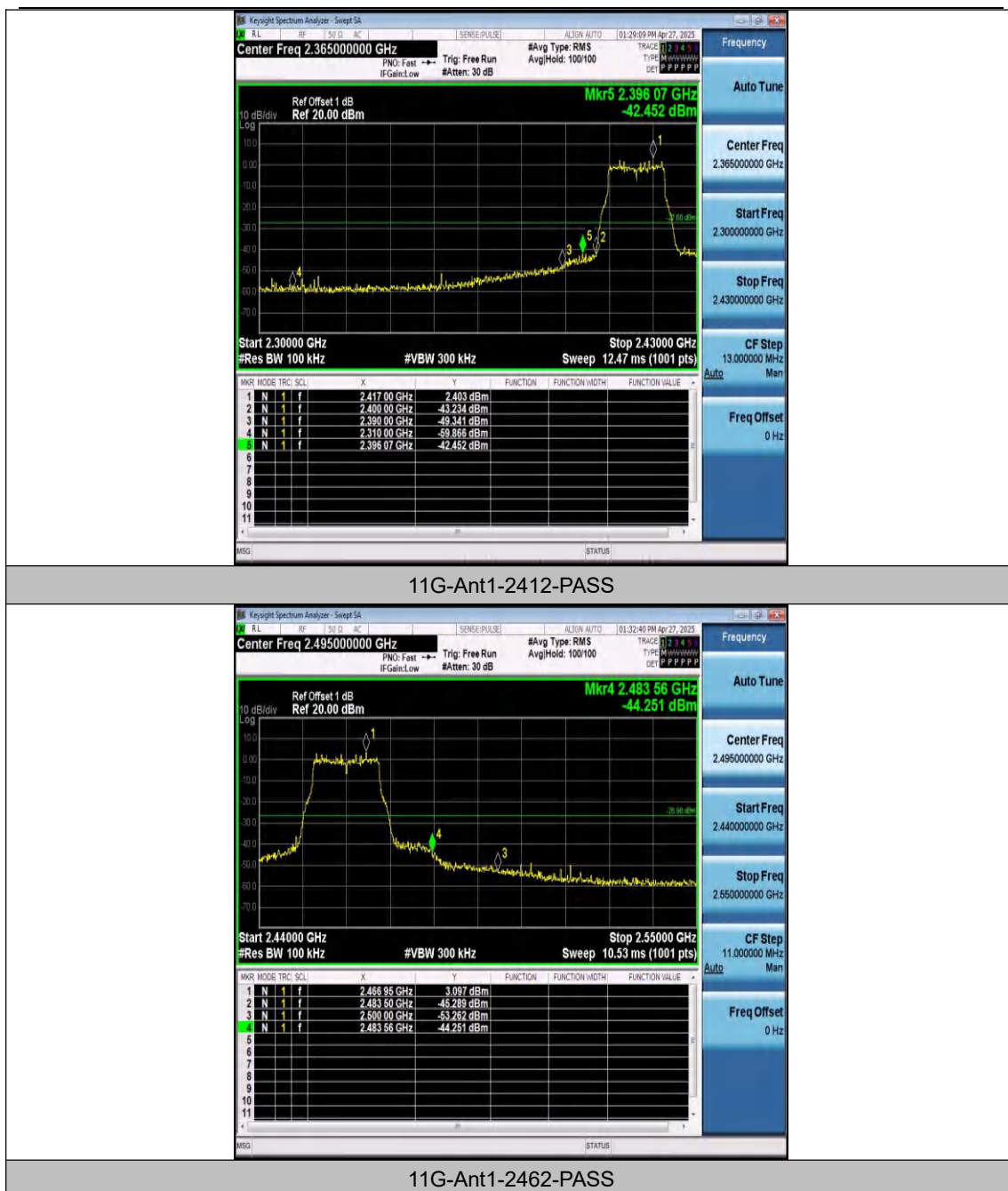
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.36	-44.51	≤-27.64	PASS
11B	Ant1	High	2462	5.94	-45.65	≤-24.07	PASS
11G	Ant1	Low	2412	2.40	-42.45	≤-27.6	PASS
11G	Ant1	High	2462	3.10	-44.25	≤-26.9	PASS
11N20SISO	Ant1	Low	2412	1.99	-41.17	≤-28.01	PASS
11N20SISO	Ant1	High	2462	2.61	-39.93	≤-27.4	PASS

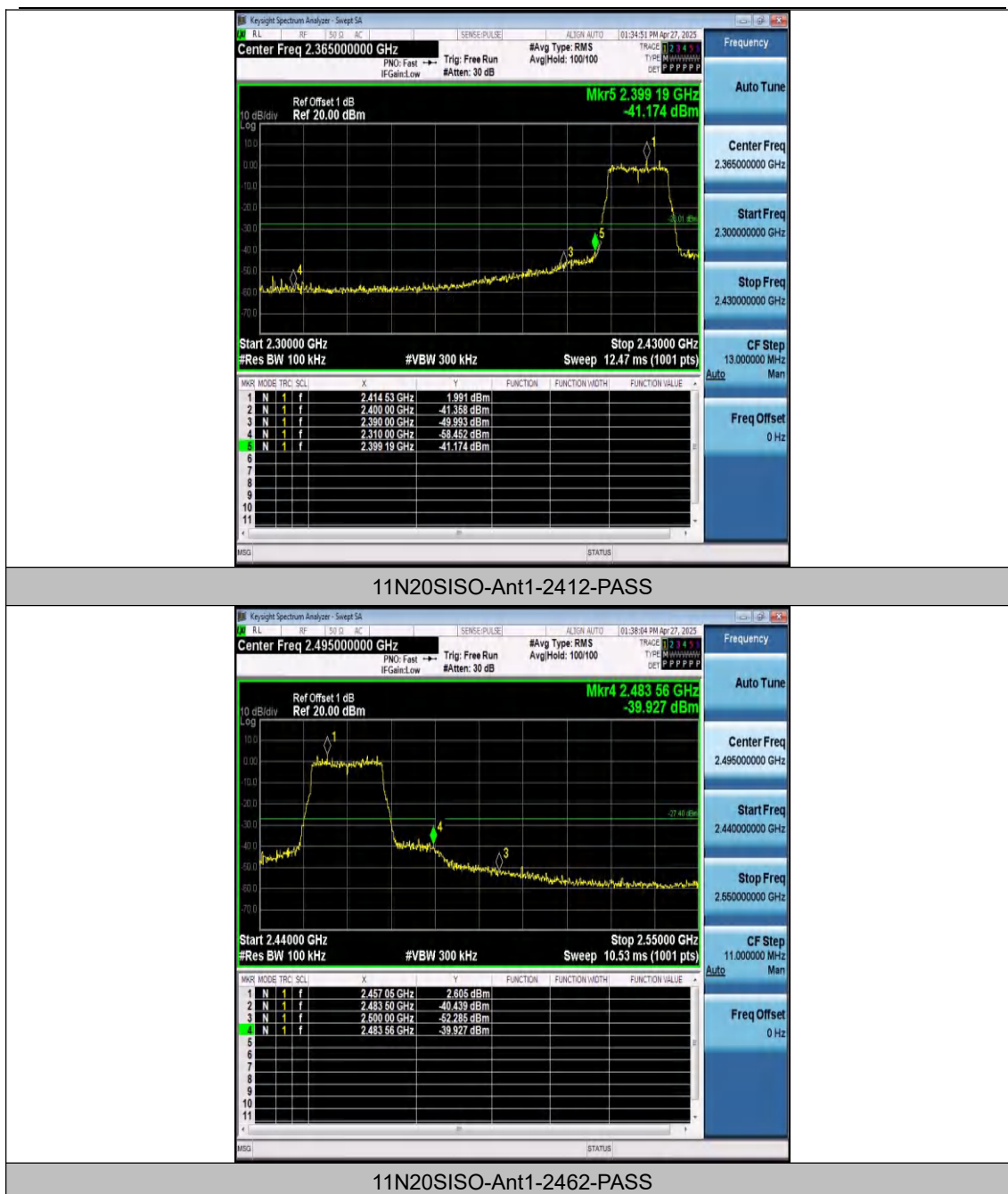
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs







Appendix F: Conducted Spurious Emission

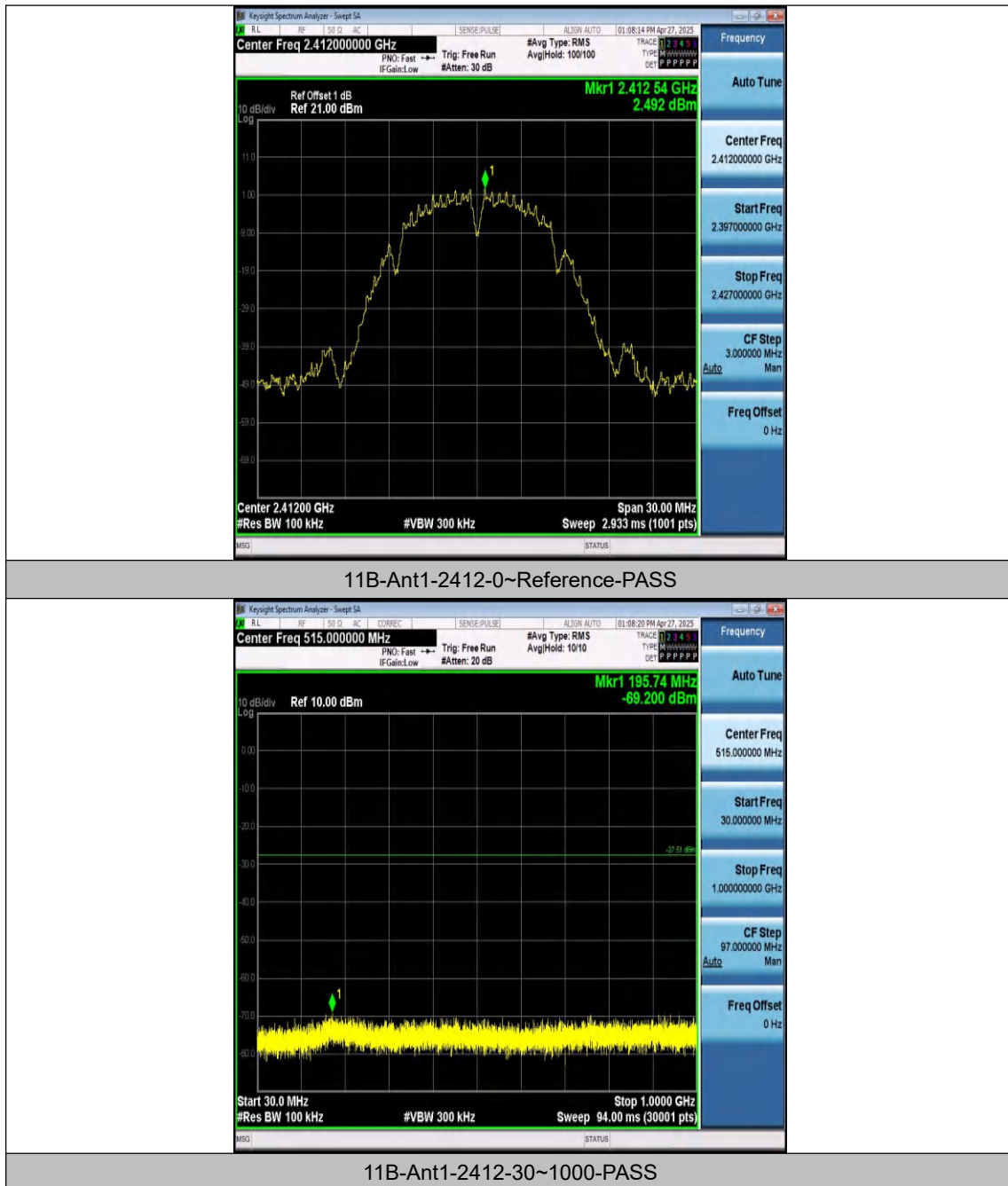
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.49	2.49	---	PASS
11B	Ant1	2412	30~1000	2.49	-69.2	≤-27.51	PASS
11B	Ant1	2412	1000~26500	2.49	-49.08	≤-27.51	PASS
11B	Ant1	2437	0~Reference	5.16	5.16	---	PASS
11B	Ant1	2437	30~1000	5.16	-67.82	≤-24.84	PASS
11B	Ant1	2437	1000~26500	5.16	-44.1	≤-24.84	PASS
11B	Ant1	2462	0~Reference	5.89	5.89	---	PASS
11B	Ant1	2462	30~1000	5.89	-68.96	≤-24.11	PASS
11B	Ant1	2462	1000~26500	5.89	-42.75	≤-24.11	PASS
11G	Ant1	2412	0~Reference	1.93	1.93	---	PASS
11G	Ant1	2412	30~1000	1.93	-68.46	≤-28.07	PASS
11G	Ant1	2412	1000~26500	1.93	-53.47	≤-28.07	PASS
11G	Ant1	2437	0~Reference	2.13	2.13	---	PASS
11G	Ant1	2437	30~1000	2.13	-67.37	≤-27.87	PASS
11G	Ant1	2437	1000~26500	2.13	-51.33	≤-27.87	PASS
11G	Ant1	2462	0~Reference	2.86	2.86	---	PASS
11G	Ant1	2462	30~1000	2.86	-68.94	≤-27.14	PASS
11G	Ant1	2462	1000~26500	2.86	-50.2	≤-27.14	PASS
11N20SISO	Ant1	2412	0~Reference	2.55	2.55	---	PASS
11N20SISO	Ant1	2412	30~1000	2.55	-68.72	≤-27.45	PASS
11N20SISO	Ant1	2412	1000~26500	2.55	-50.95	≤-27.45	PASS
11N20SISO	Ant1	2437	0~Reference	2.50	2.50	---	PASS
11N20SISO	Ant1	2437	30~1000	2.50	-68.37	≤-27.5	PASS
11N20SISO	Ant1	2437	1000~26500	2.50	-52.56	≤-27.5	PASS
11N20SISO	Ant1	2462	0~Reference	3.02	3.02	---	PASS
11N20SISO	Ant1	2462	30~1000	3.02	-64.38	≤-26.98	PASS
11N20SISO	Ant1	2462	1000~26500	3.02	-53.37	≤-26.98	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.



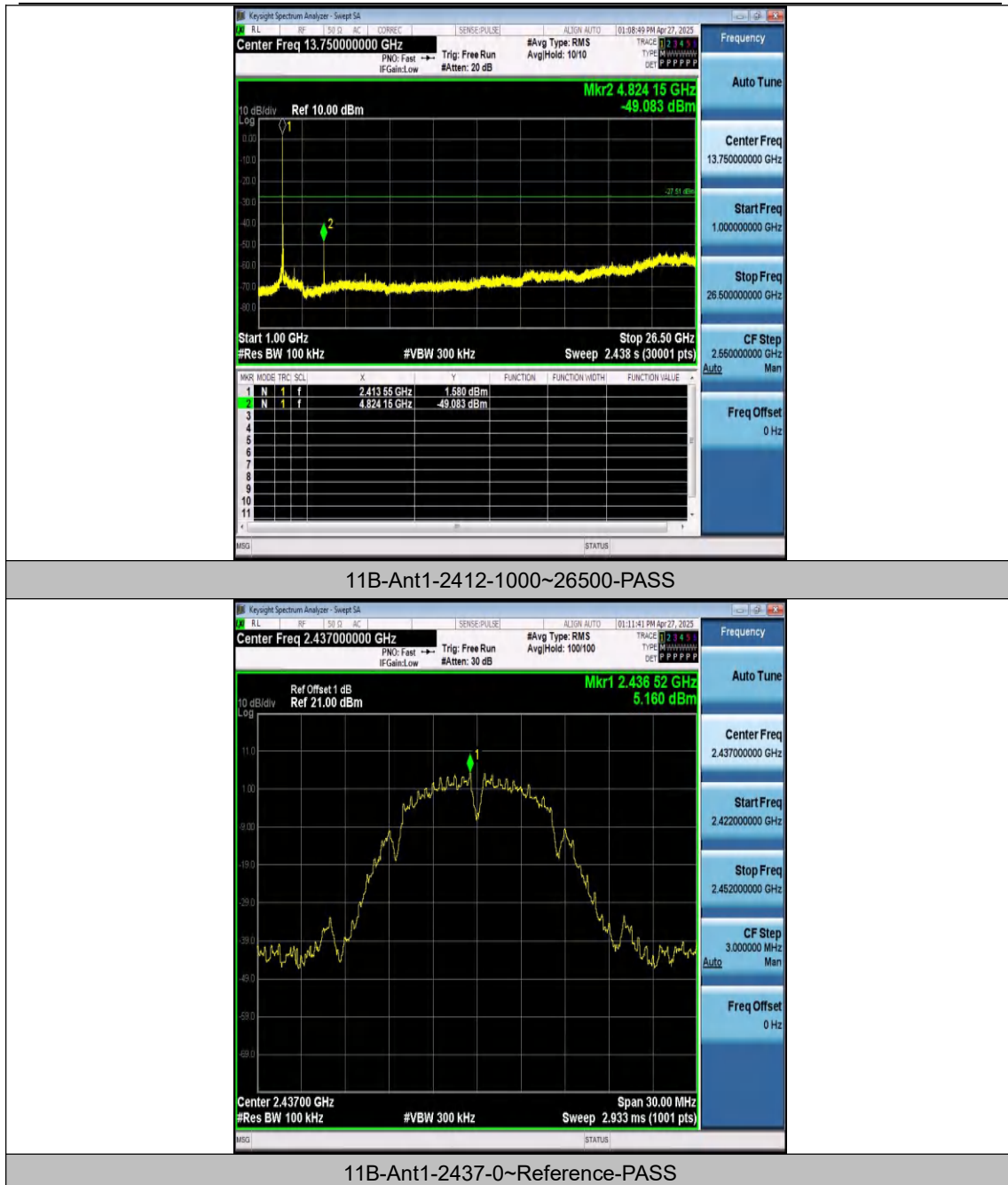
Test Graphs



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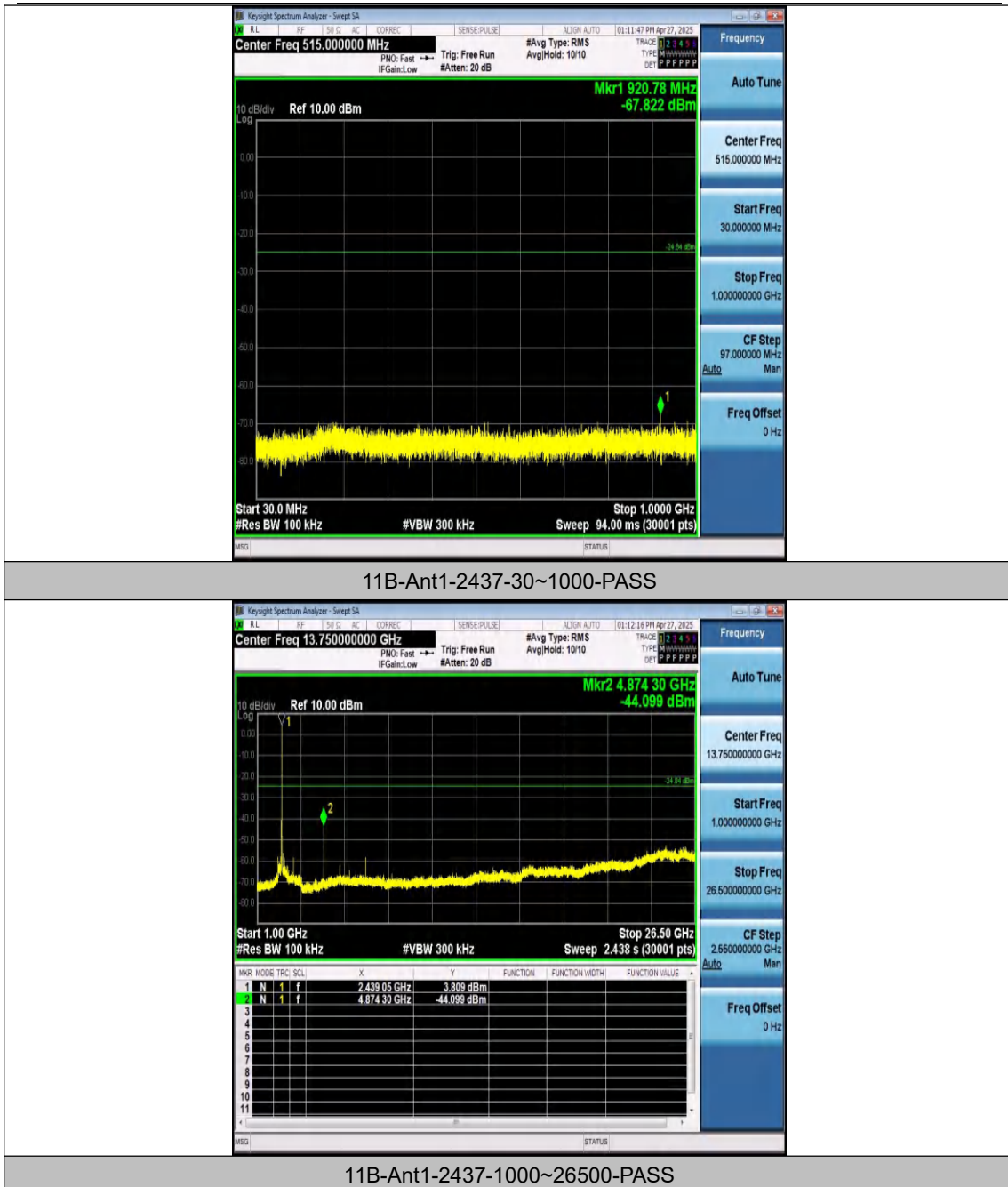
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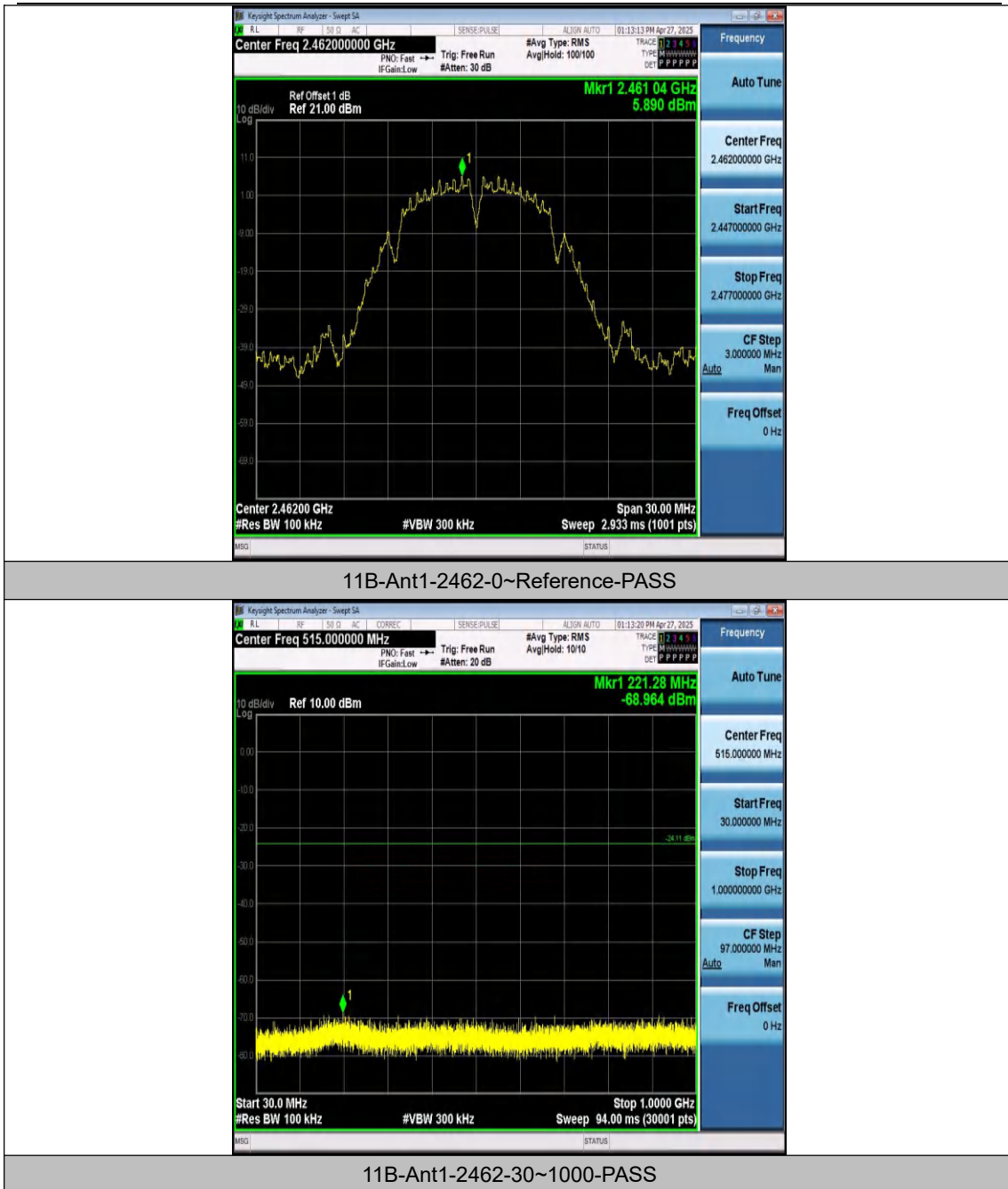


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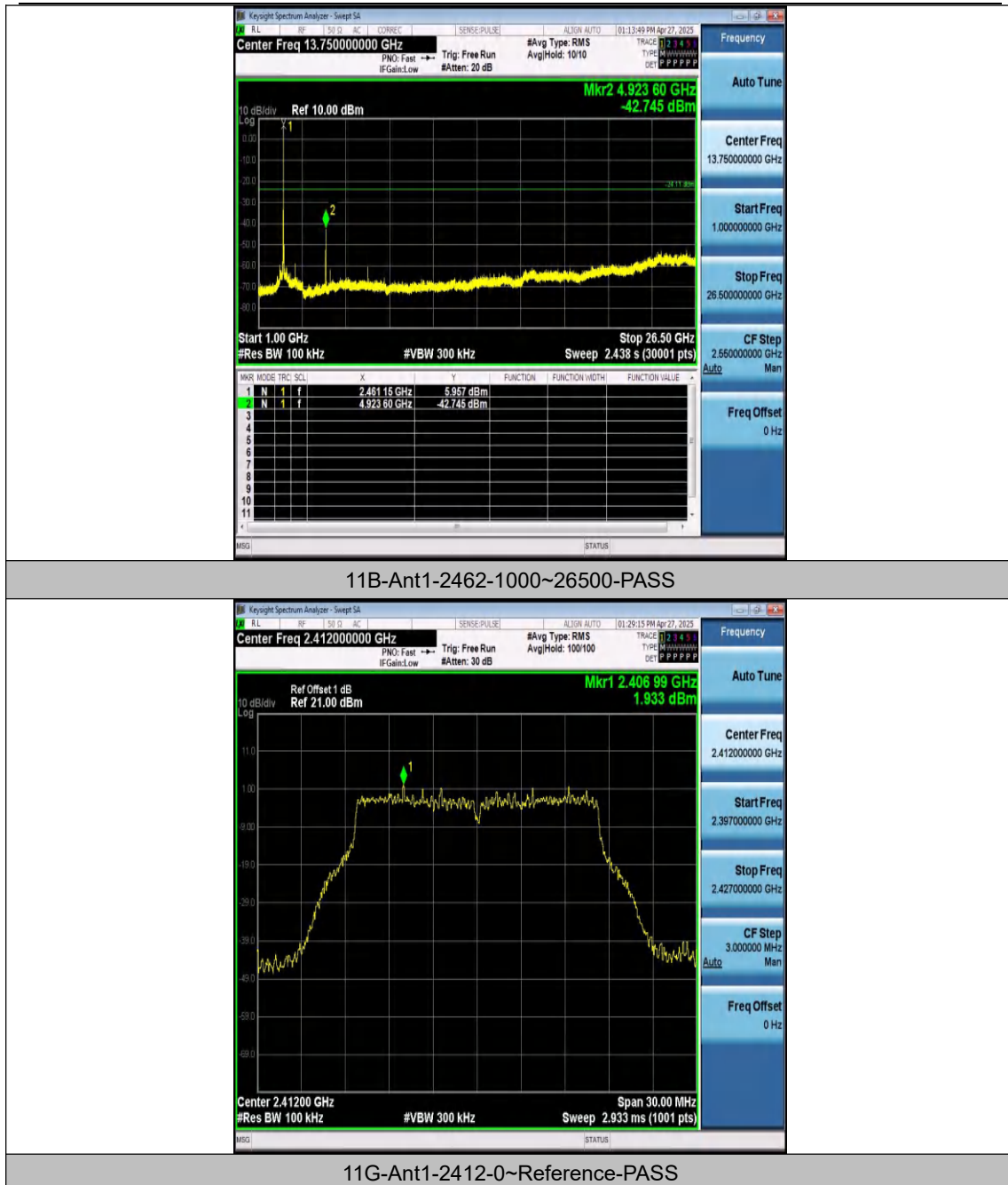


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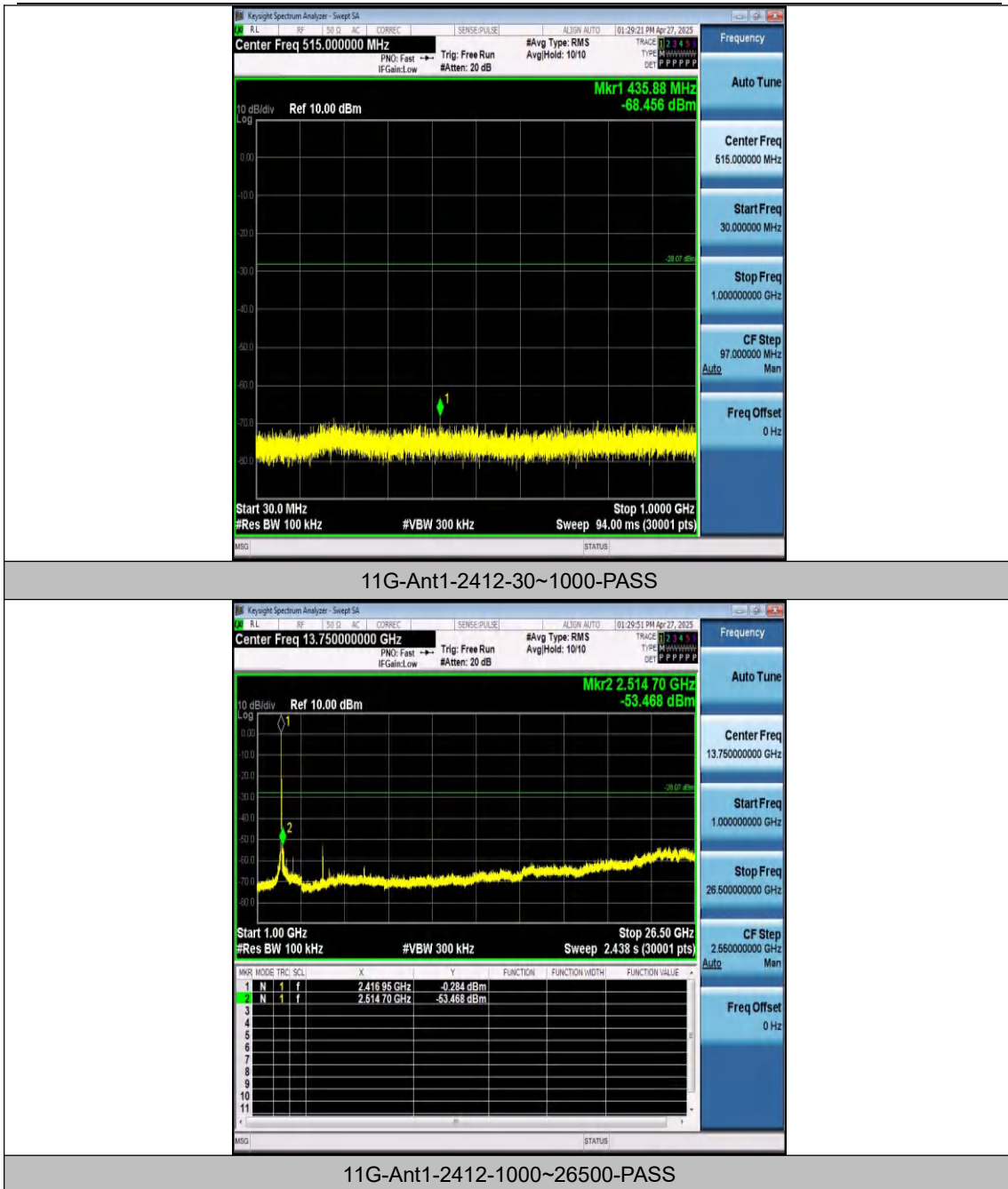
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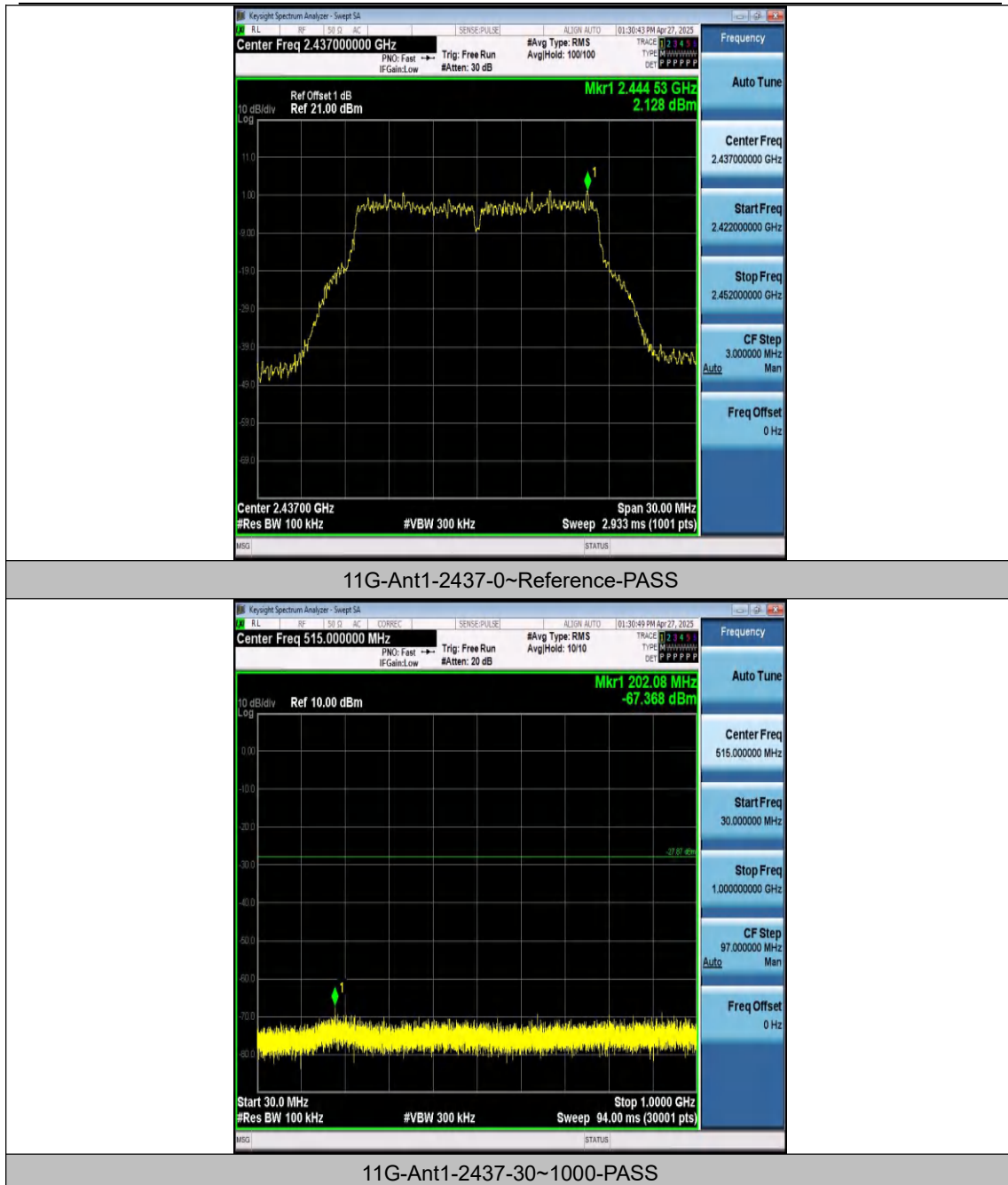
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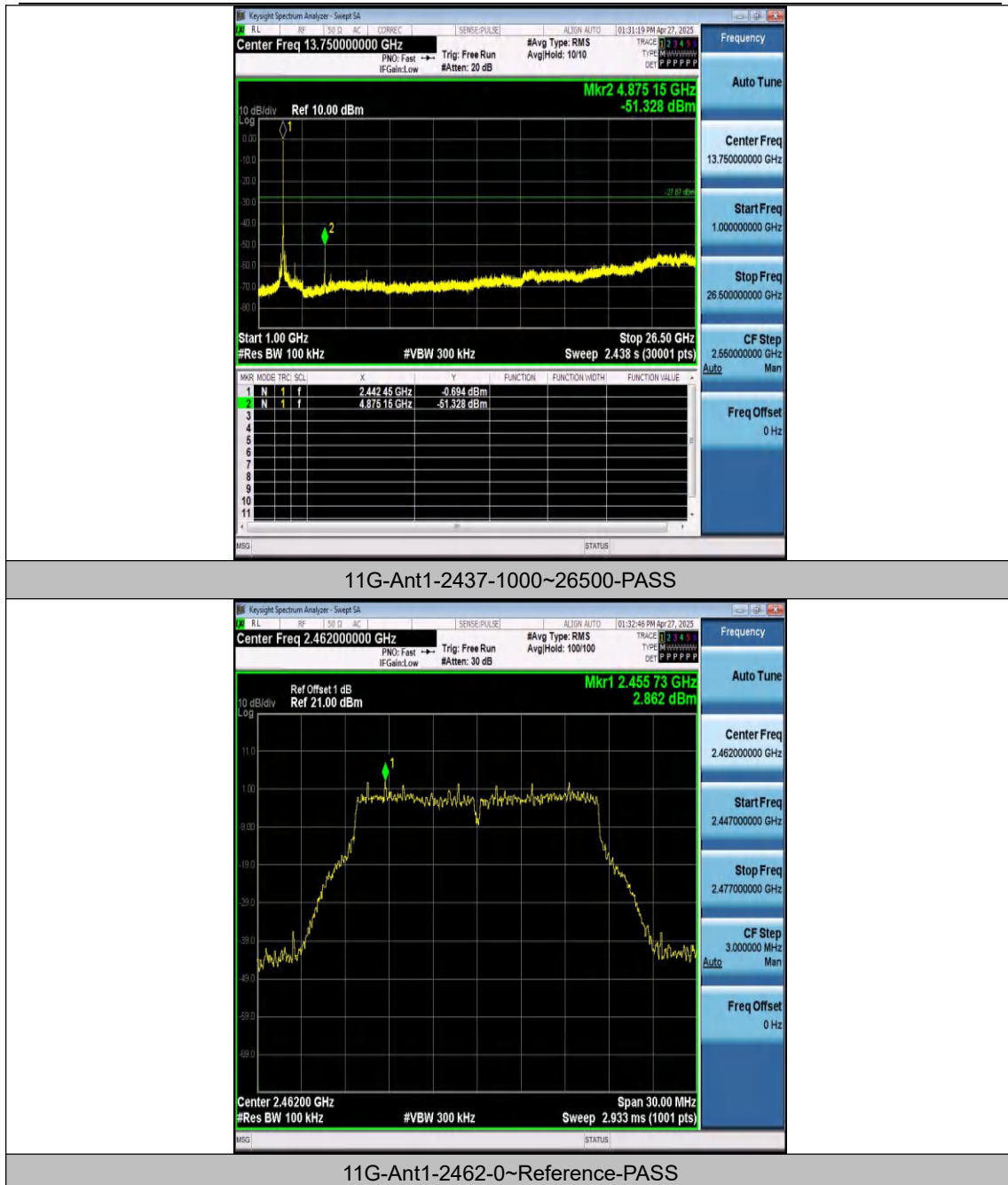


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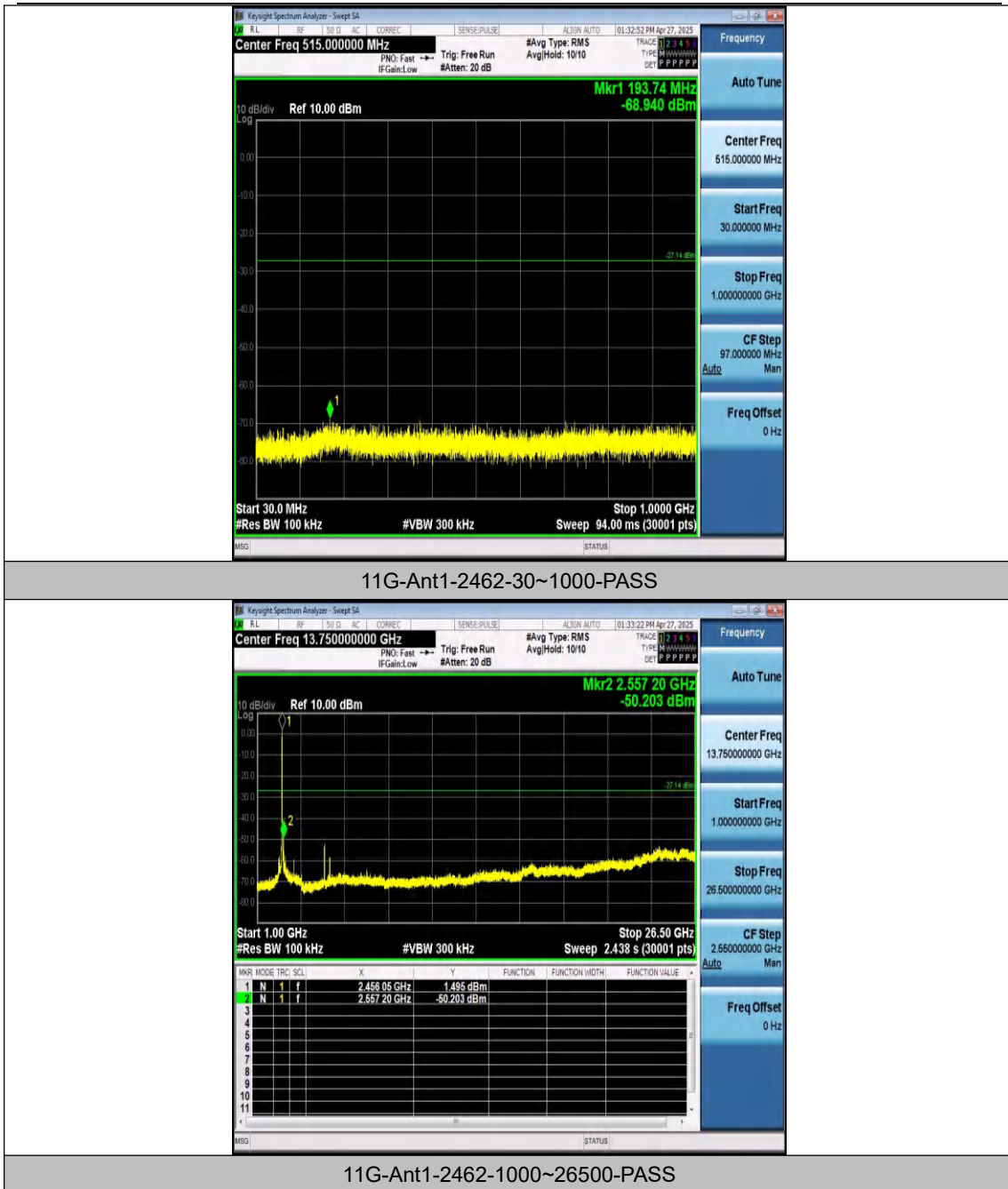


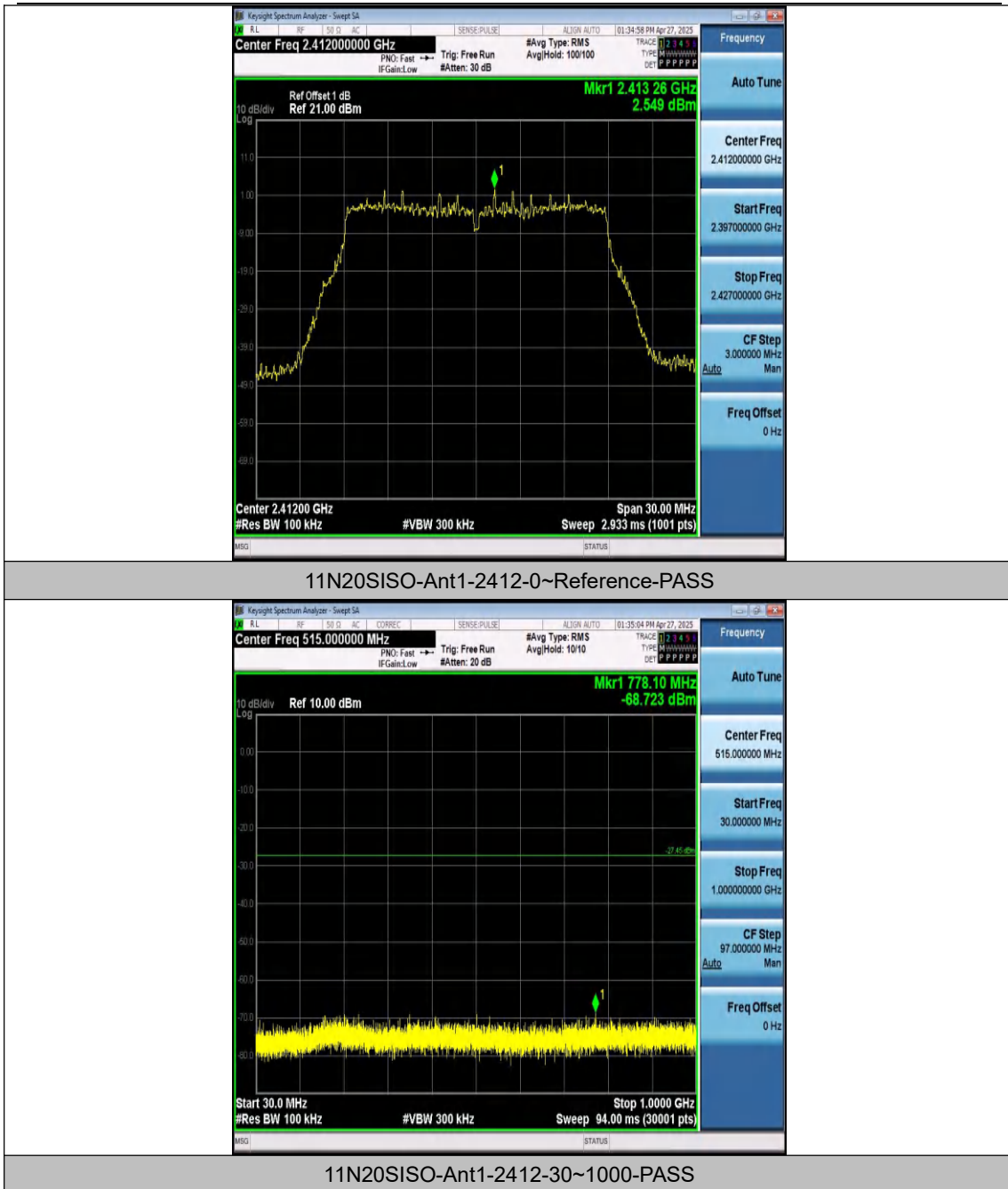


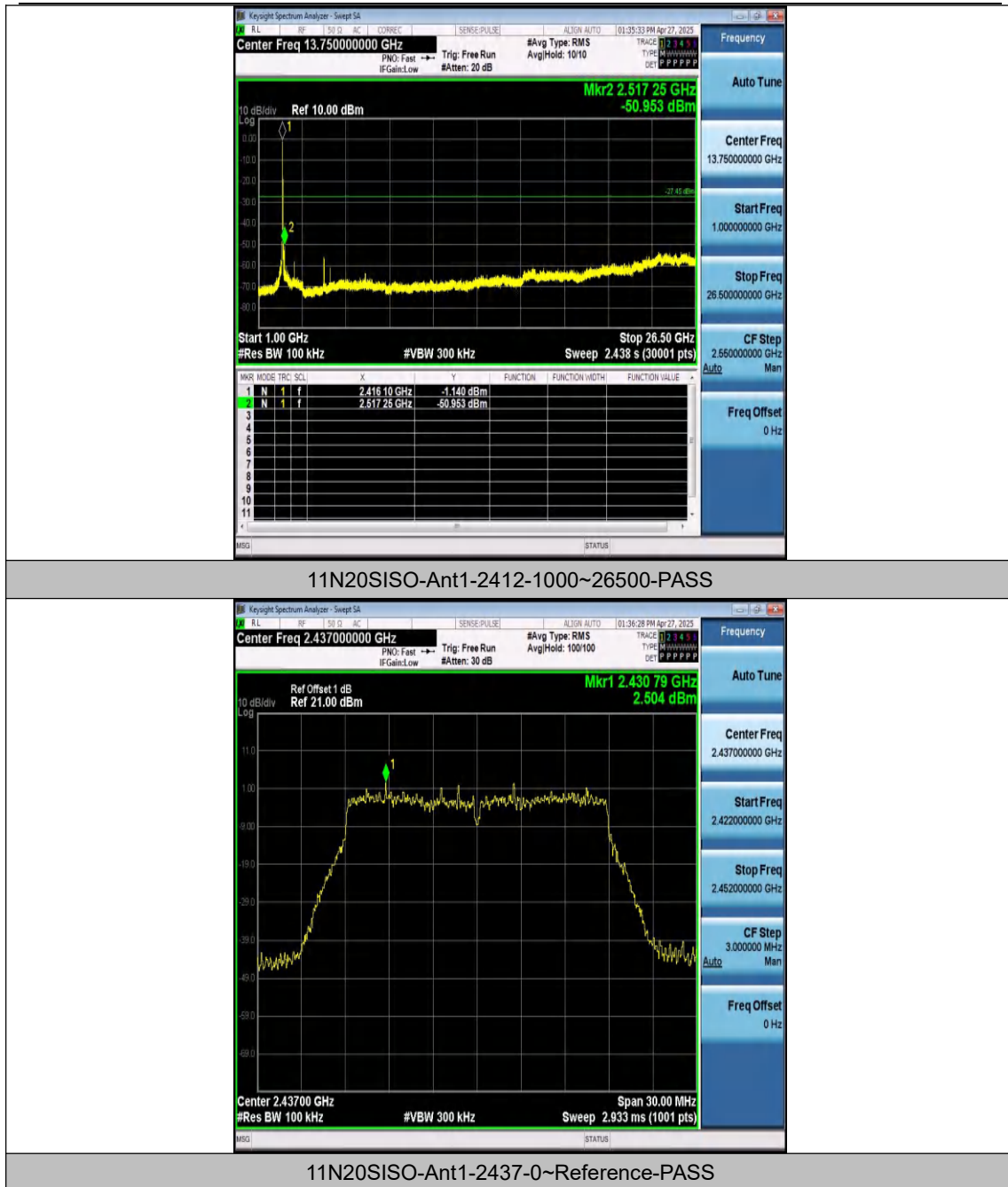
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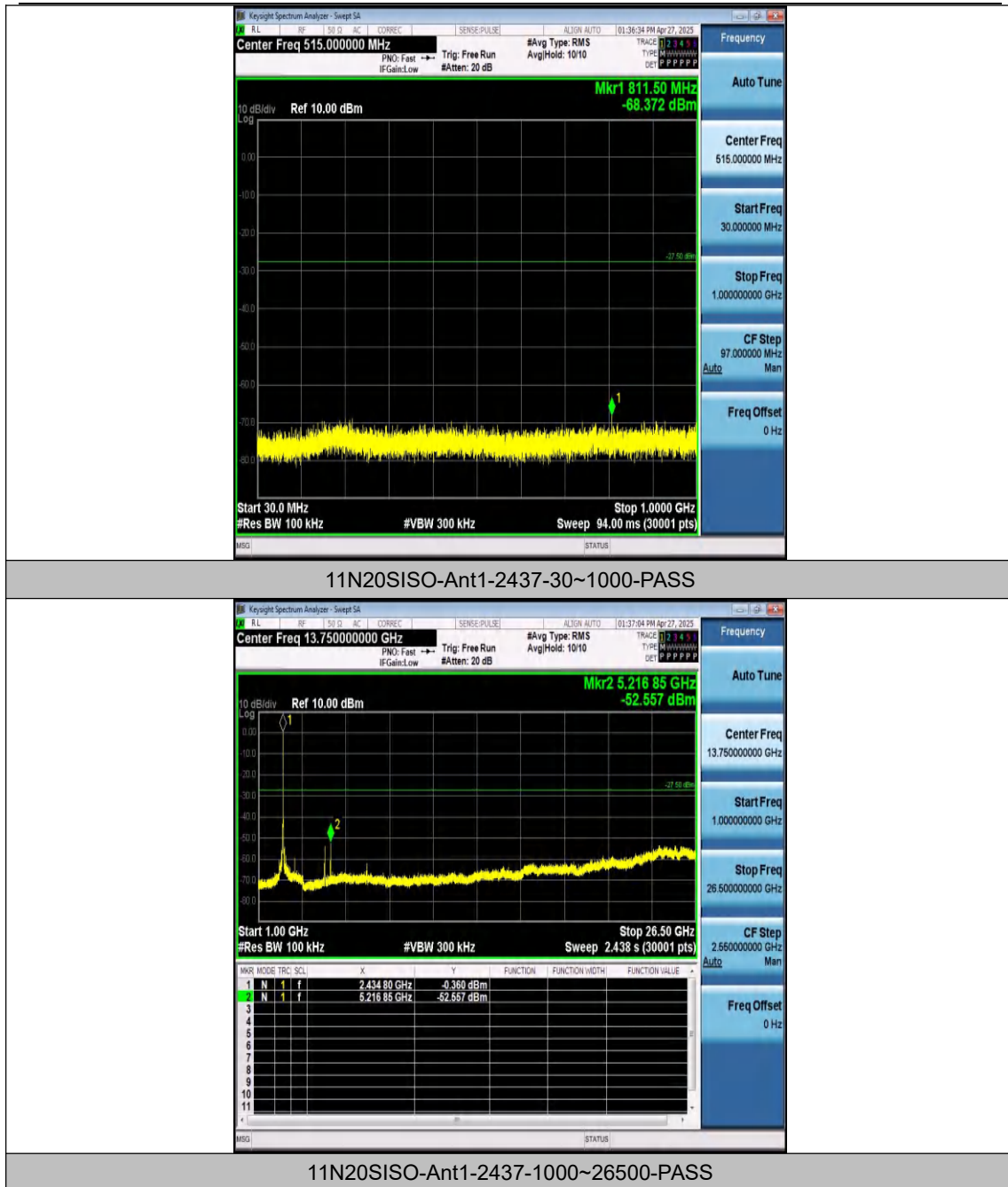
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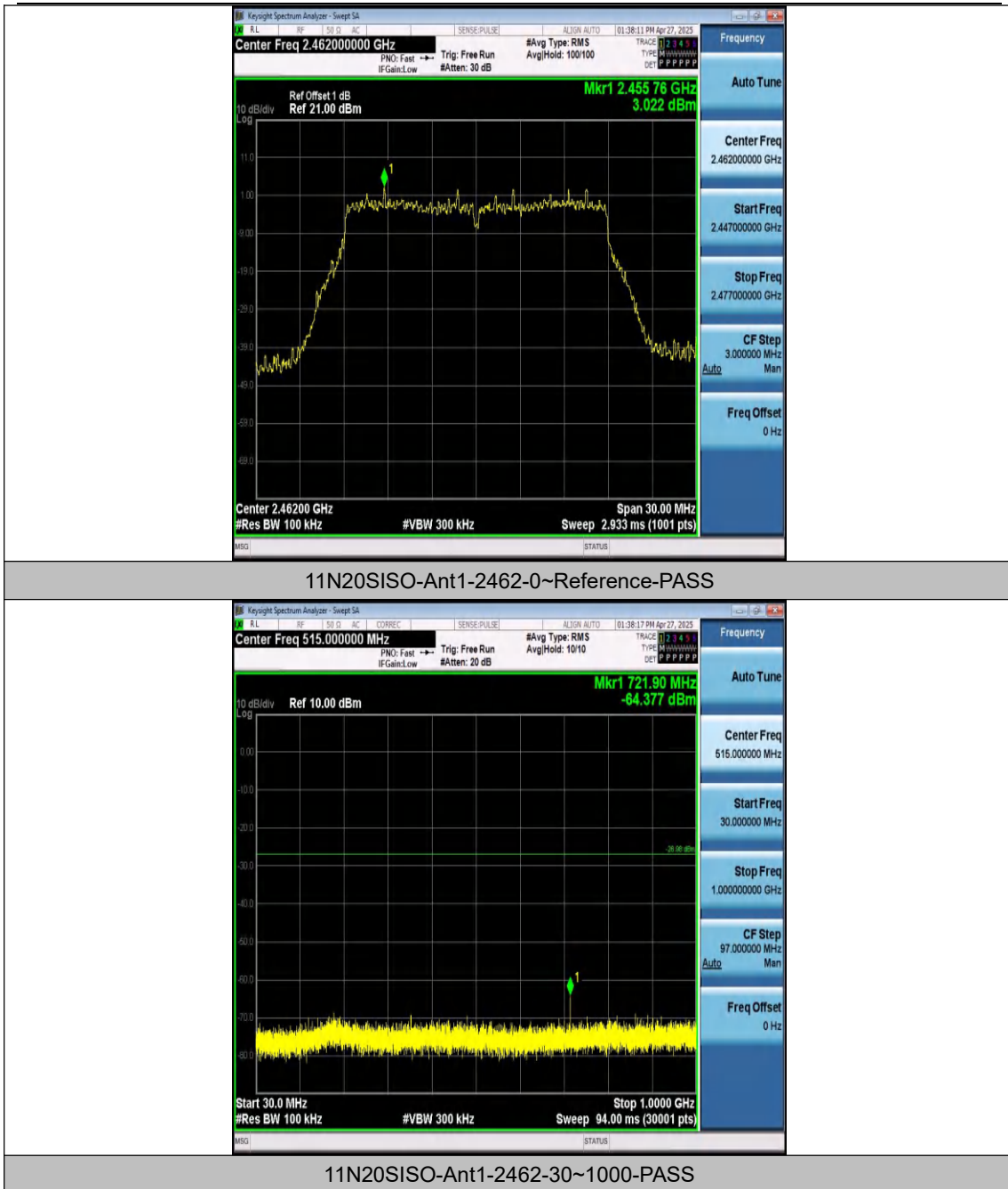
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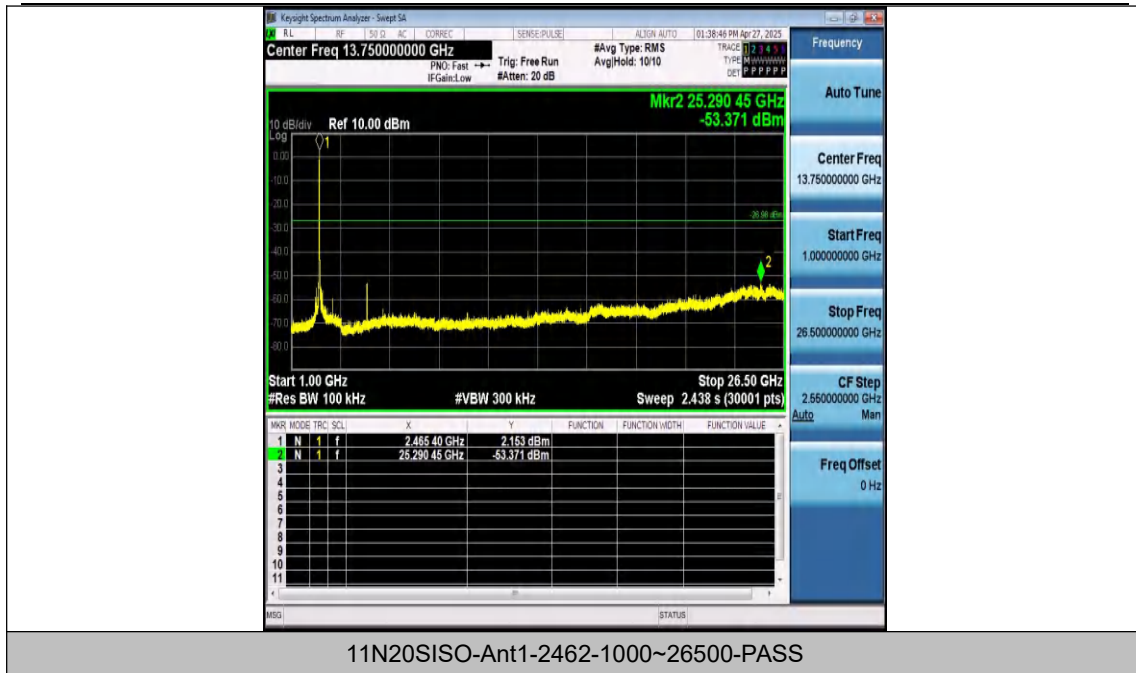




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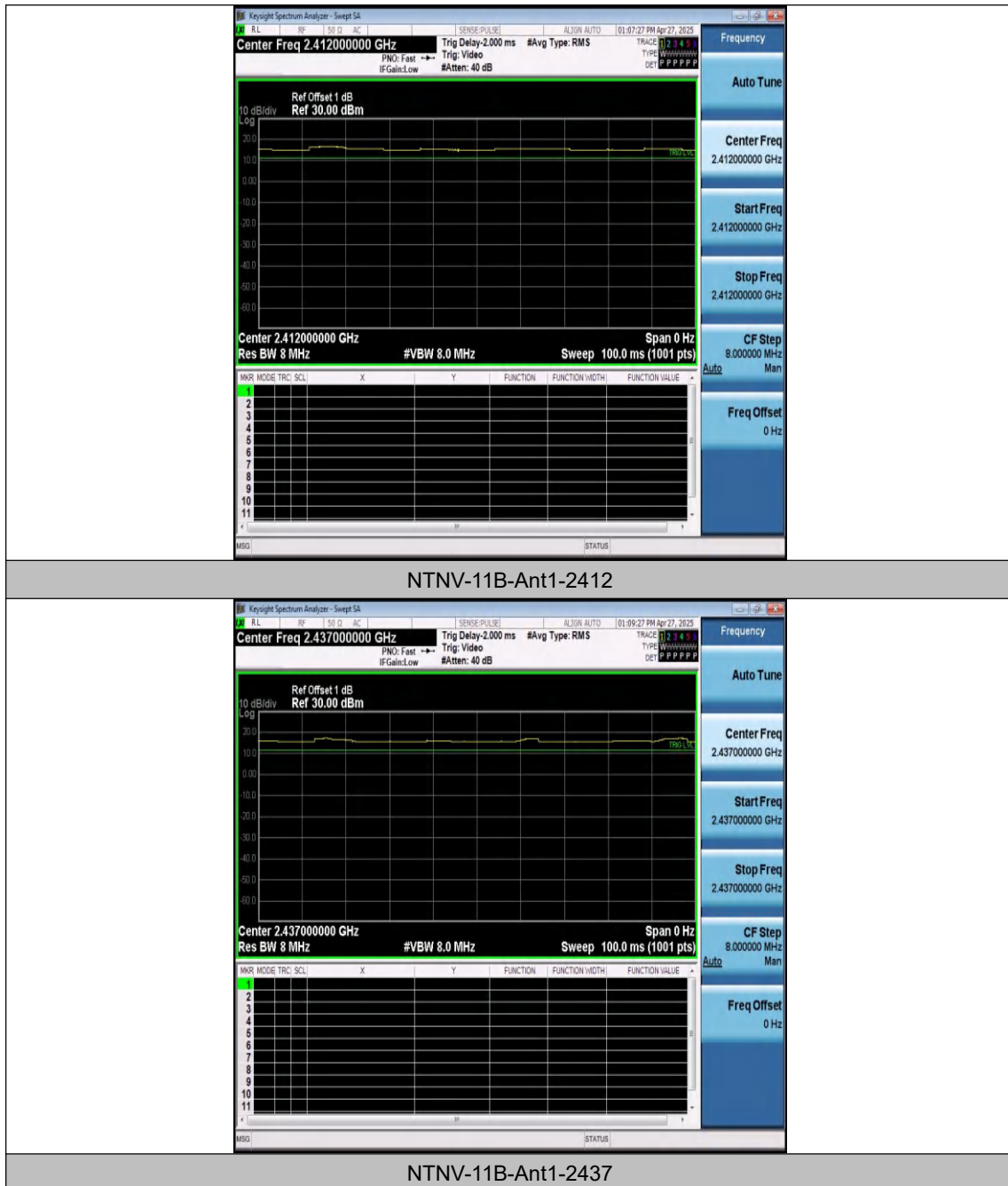
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Appendix G: Duty Cycle

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	1.39	1.50	92.67	0.33
11G	Ant1	2437	1.39	1.50	92.67	0.33
11G	Ant1	2462	1.39	1.50	92.67	0.33
11N20SISO	Ant1	2412	1.31	1.42	92.25	0.35
11N20SISO	Ant1	2437	1.31	1.42	92.25	0.35
11N20SISO	Ant1	2462	1.31	1.42	92.25	0.35

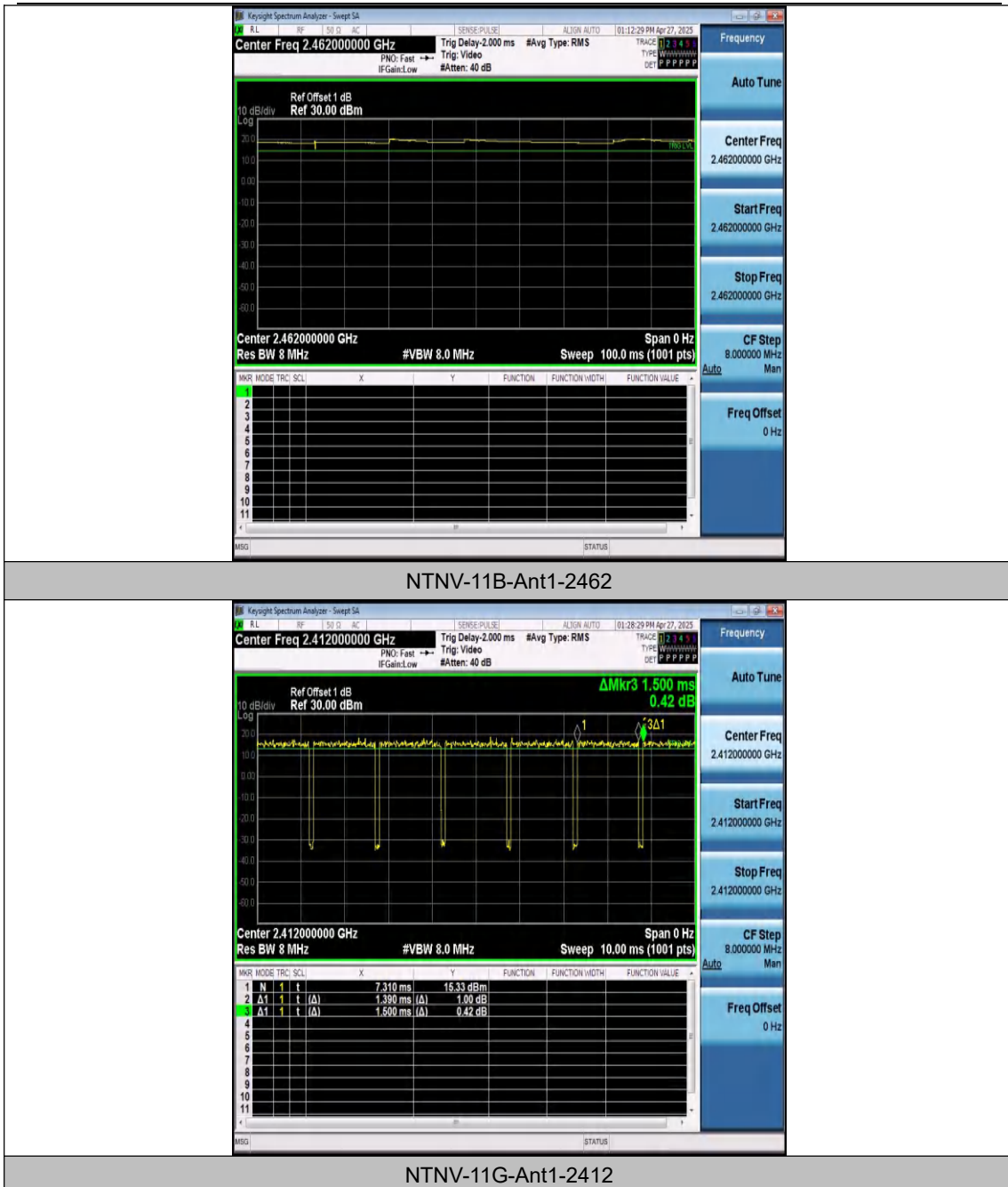
Test Graphs

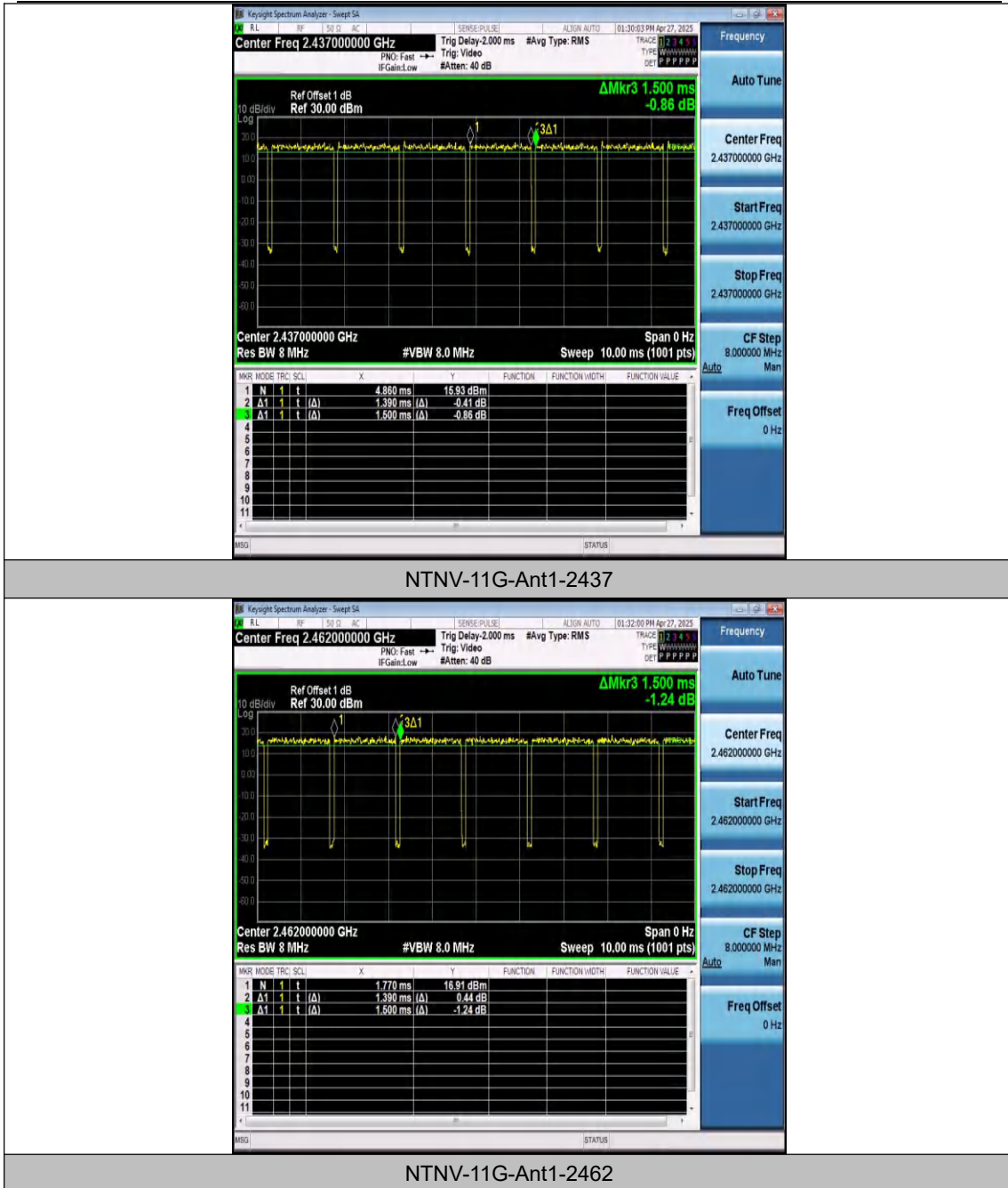


Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

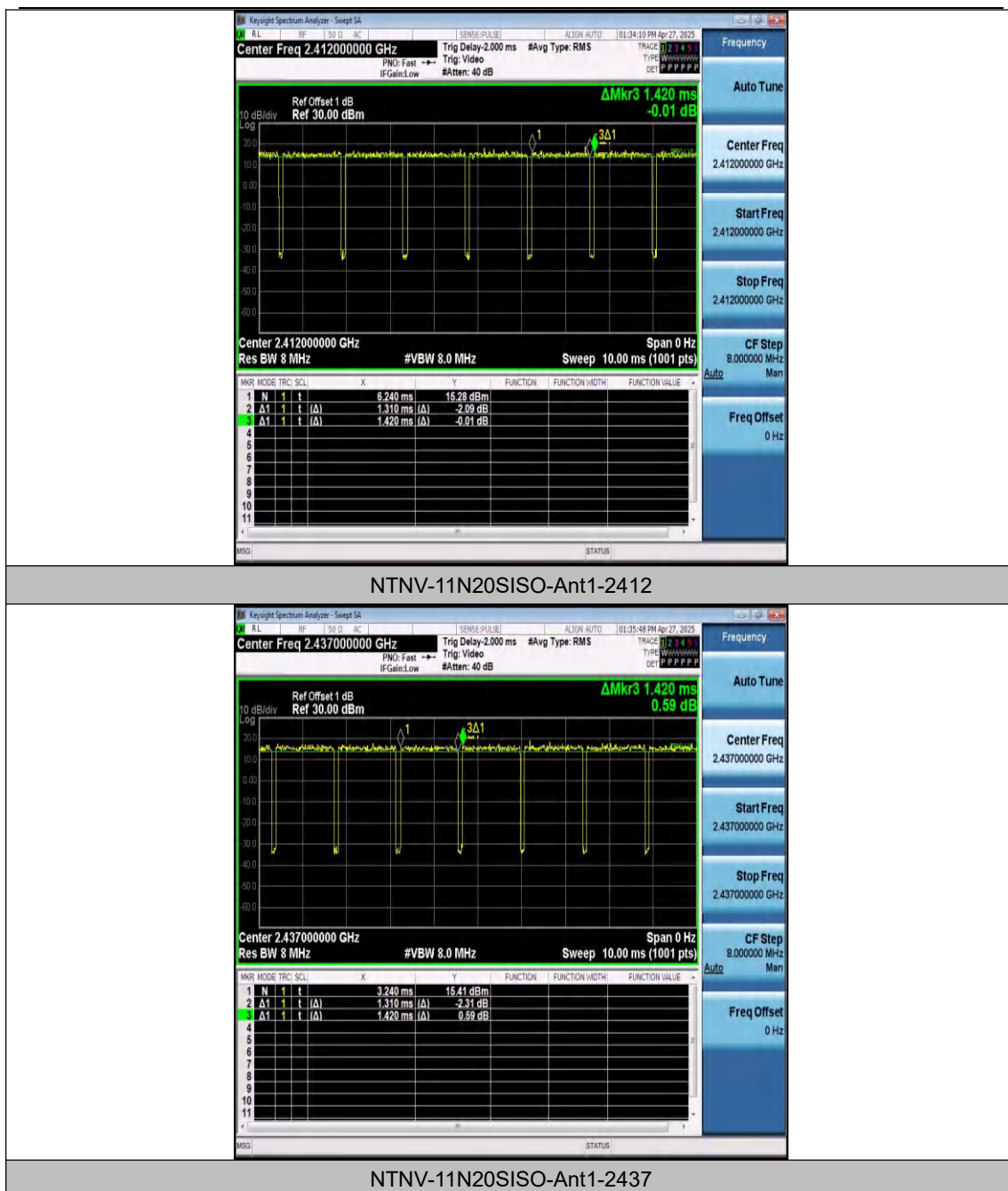


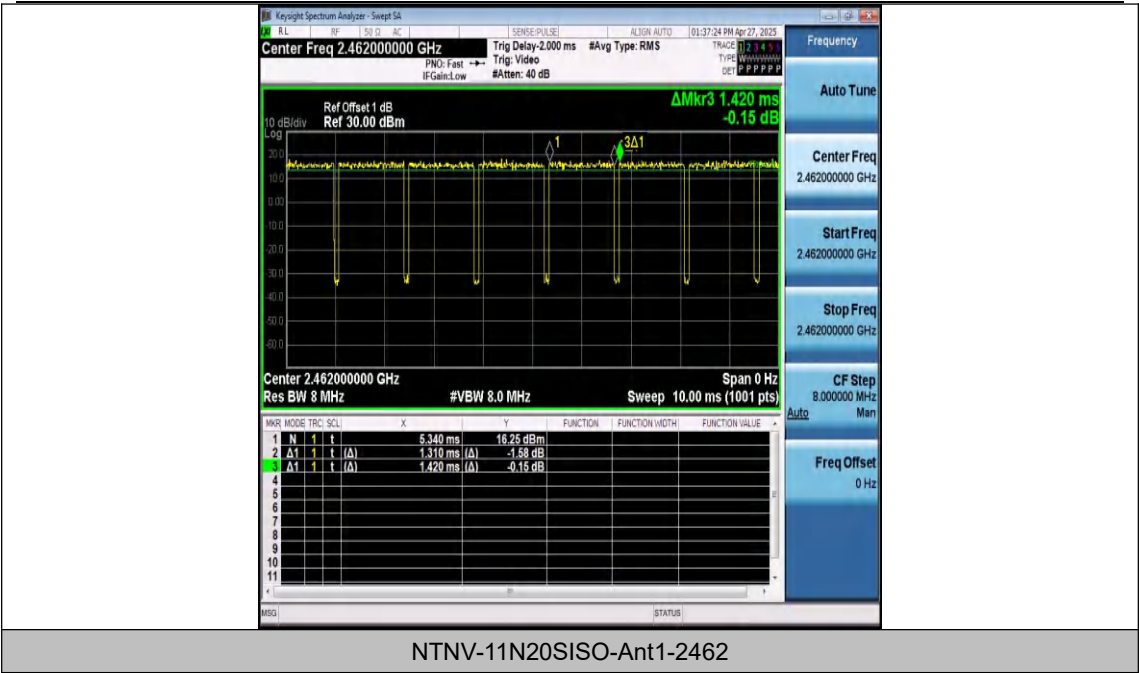


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