

Appendix Test Data

Report No.:	1812C50519112502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-22	Finish Test Date:	2025-10-22
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.8°C	Relative Humidity:	48%
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	9.240	2407.400	2416.640	0.5	PASS
11B	Ant1	2437	9.240	2432.400	2441.640	0.5	PASS
11B	Ant1	2462	9.280	2457.400	2466.680	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
11G	Ant1	2437	16.400	2428.880	2445.280	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.280	2420.840	0.5	PASS
11N20SISO	Ant1	2437	17.640	2428.200	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS

Test Graphs



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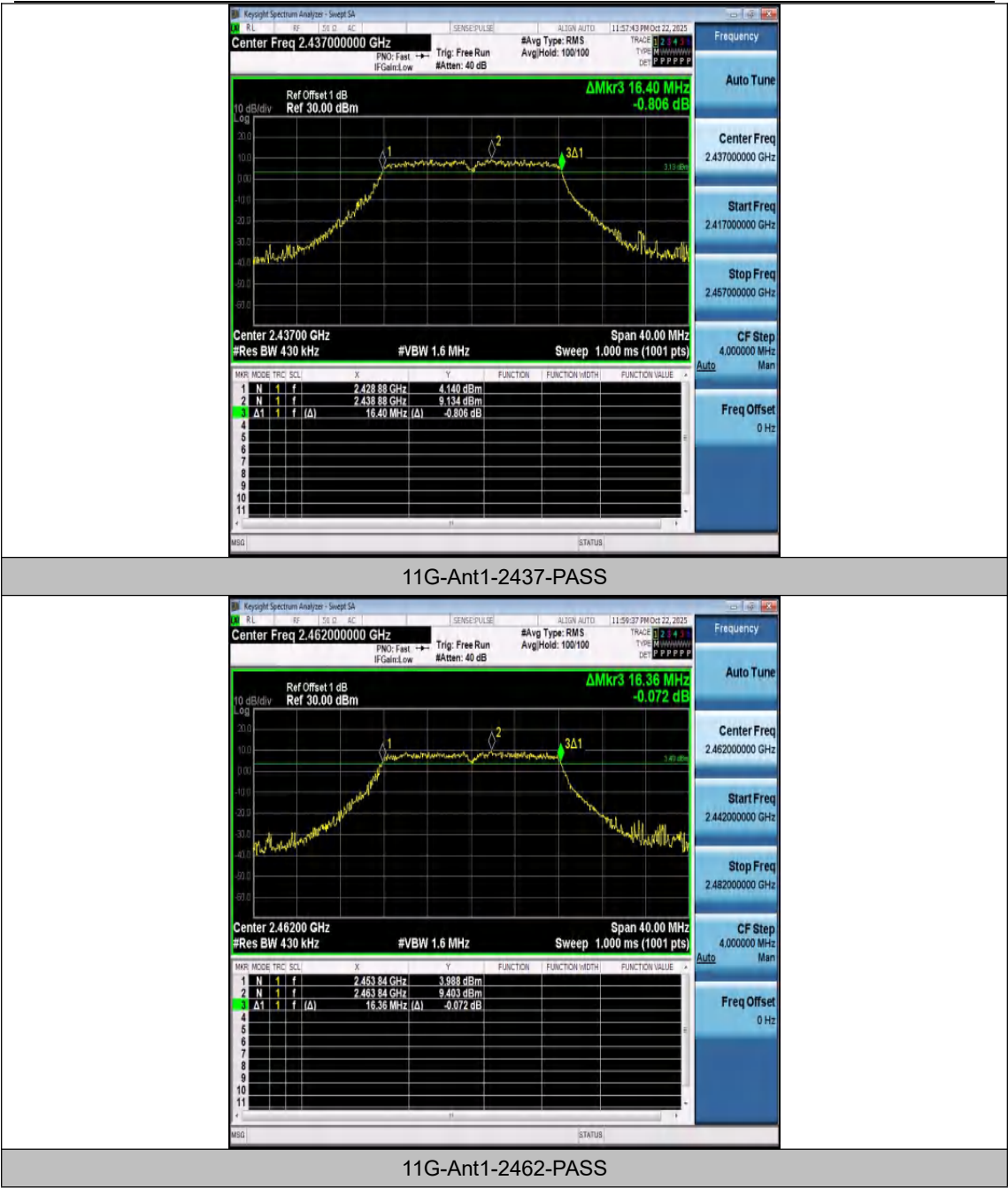
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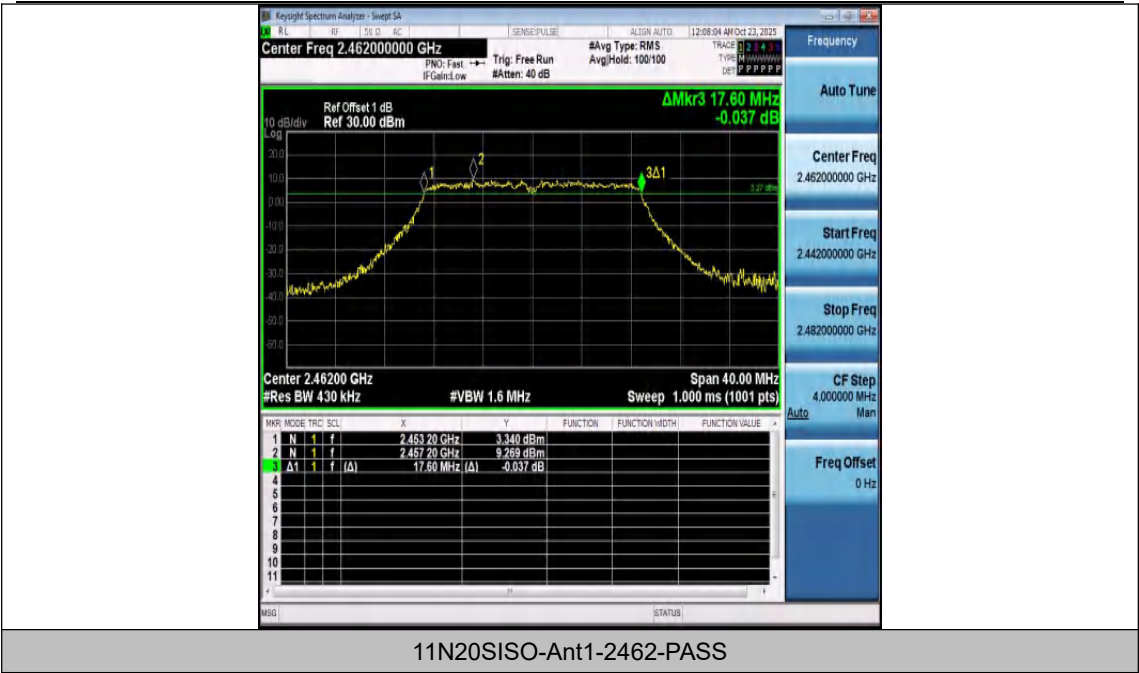
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11N20SISO-Ant1-2462-PASS

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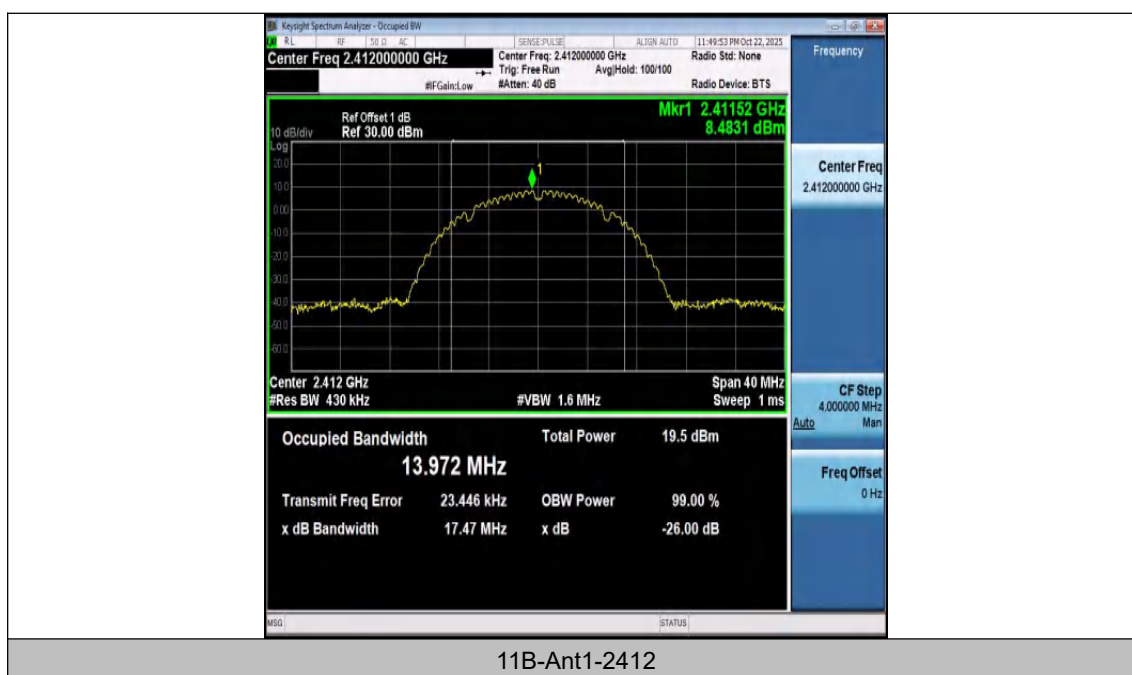
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Appendix B: 99% Occupied Bandwidth

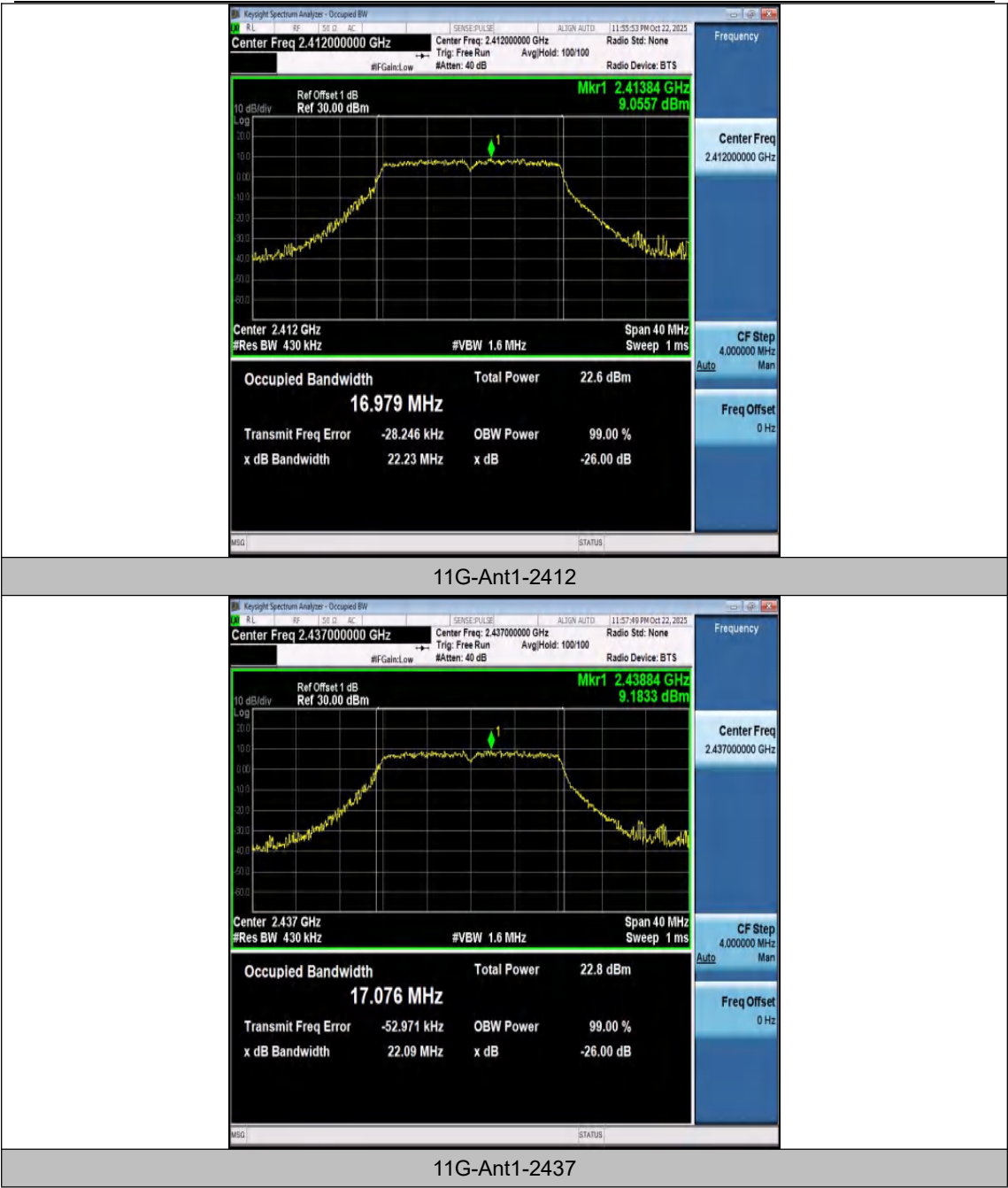
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.972	2405.0375	2419.0095	---	---
11B	Ant1	2437	13.978	2430.0382	2444.0162	---	---
11B	Ant1	2462	13.971	2455.0482	2469.0192	---	---
11G	Ant1	2412	16.979	2403.4823	2420.4613	---	---
11G	Ant1	2437	17.076	2428.4090	2445.4850	---	---
11G	Ant1	2462	17.136	2453.3462	2470.4822	---	---
11N20SISO	Ant1	2412	18.121	2402.9652	2421.0862	---	---
11N20SISO	Ant1	2437	18.147	2427.9399	2446.0869	---	---
11N20SISO	Ant1	2462	18.097	2452.9840	2471.0810	---	---

Test Graphs



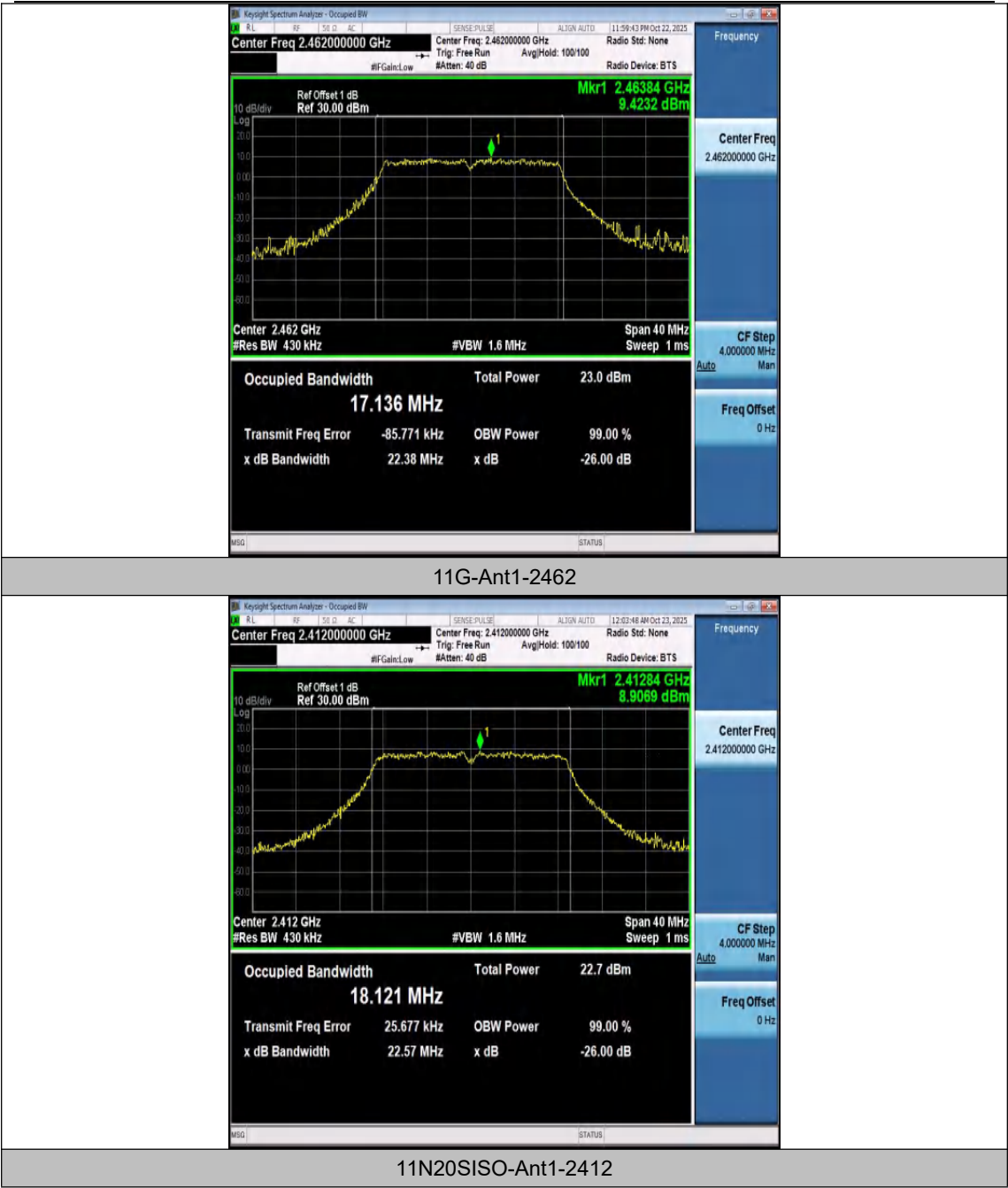




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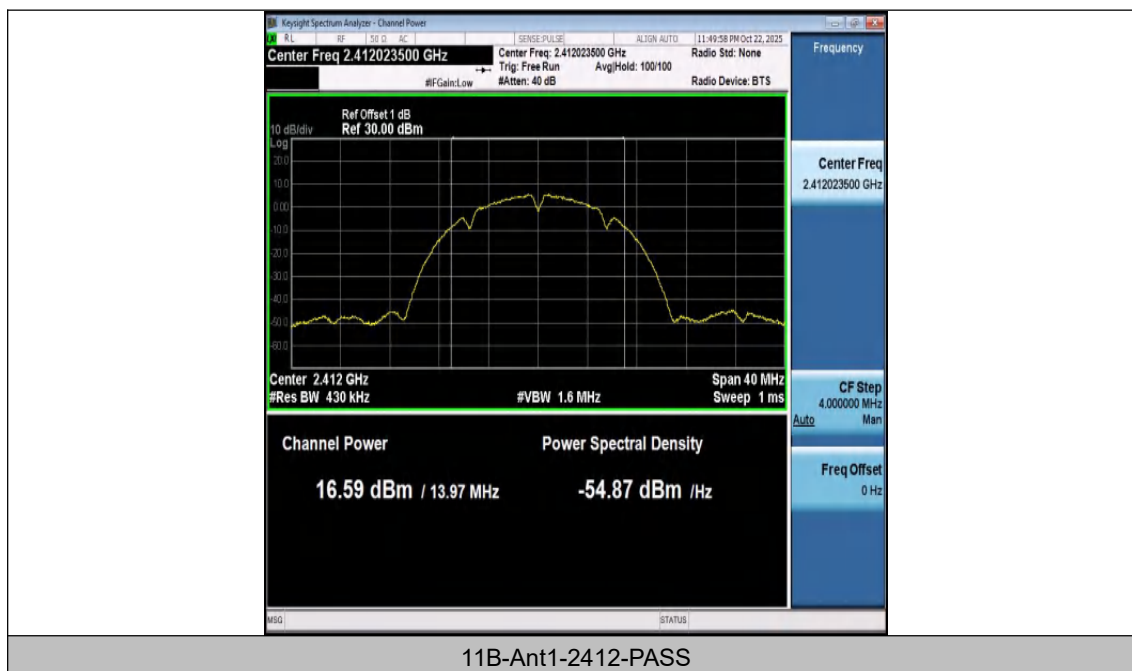
Appendix C: Maximum conducted output power

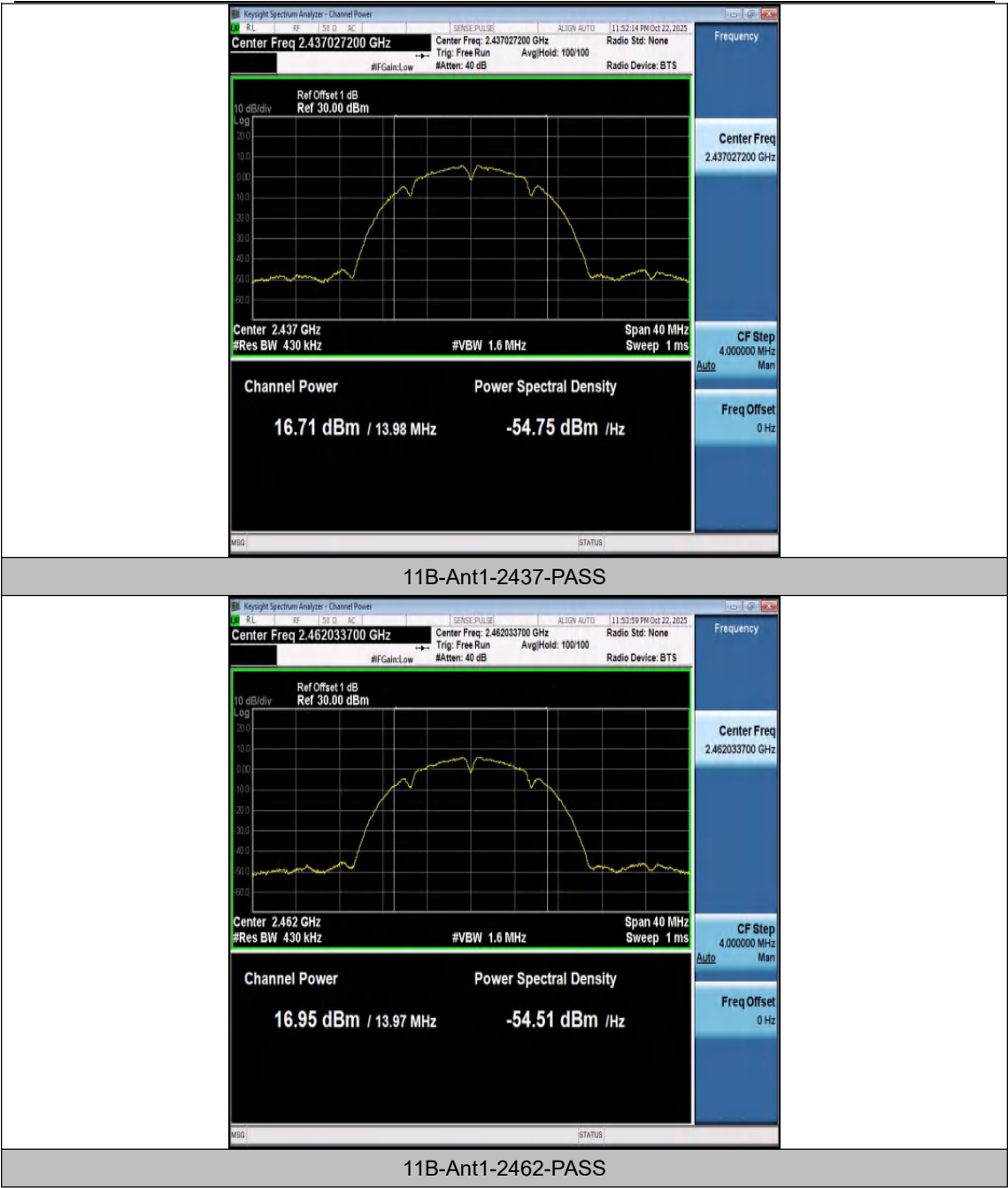
Test Result Average

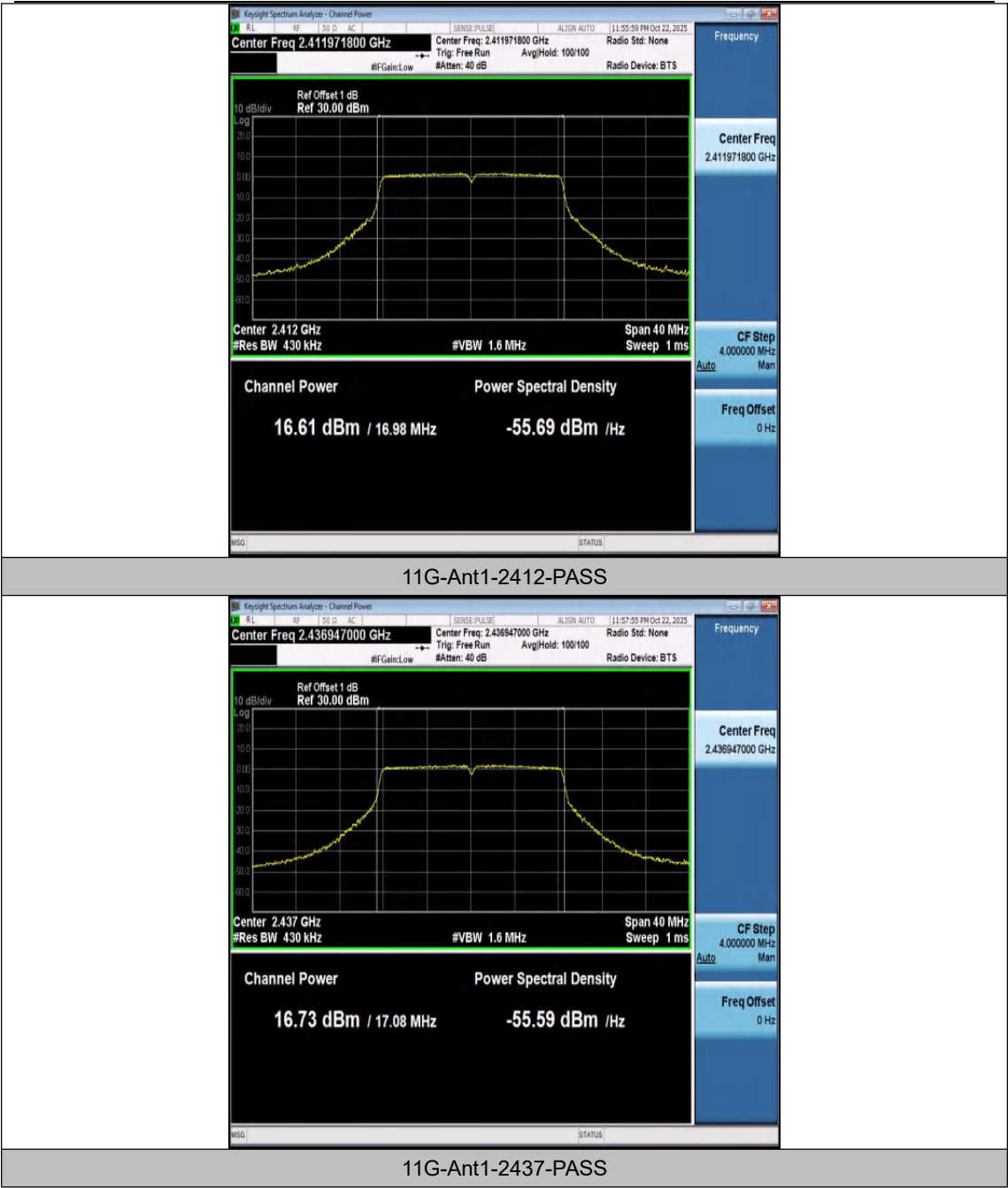
Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.59	100.00	0.00	16.59	≤30.00	PASS
11B	Ant1	2437	16.71	100.00	0.00	16.71	≤30.00	PASS
11B	Ant1	2462	16.95	100.00	0.00	16.95	≤30.00	PASS
11G	Ant1	2412	16.61	100.00	0.00	16.61	≤30.00	PASS
11G	Ant1	2437	16.73	100.00	0.00	16.73	≤30.00	PASS
11G	Ant1	2462	16.94	100.00	0.00	16.94	≤30.00	PASS
11N20SISO	Ant1	2412	16.54	100.00	0.00	16.54	≤30.00	PASS
11N20SISO	Ant1	2437	16.70	100.00	0.00	16.70	≤30.00	PASS
11N20SISO	Ant1	2462	16.89	100.00	0.00	16.89	≤30.00	PASS

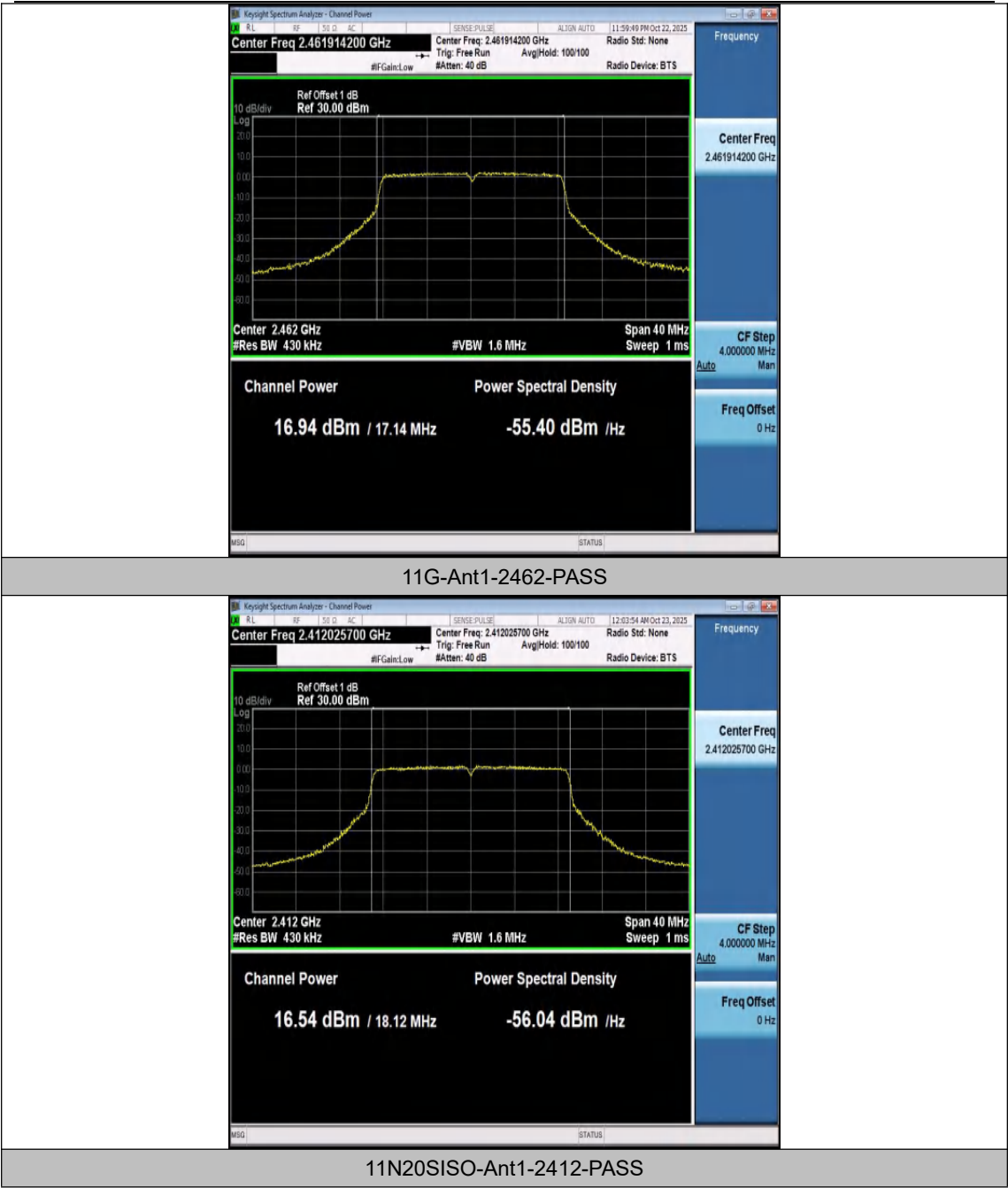
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

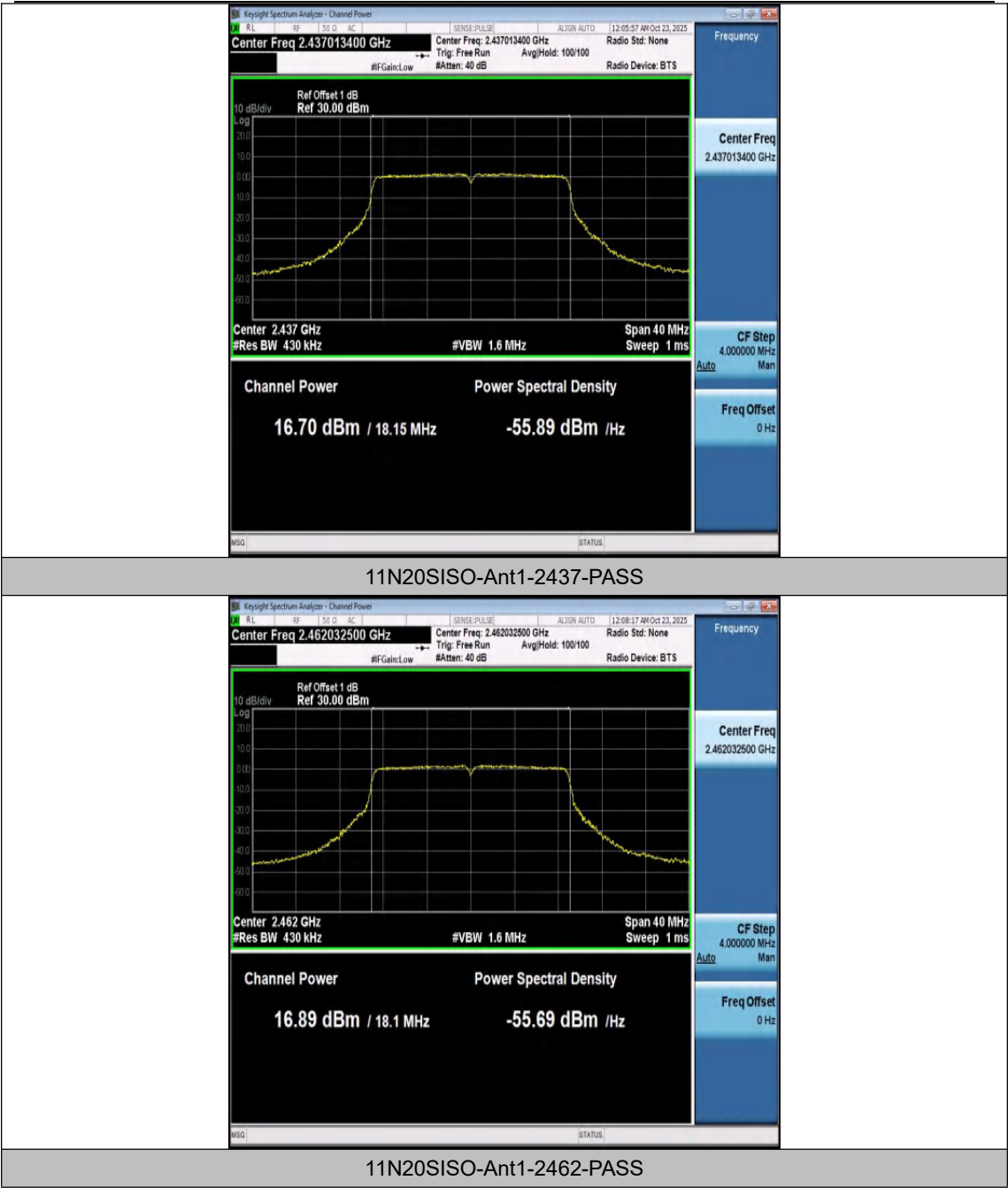
Test Graphs Average









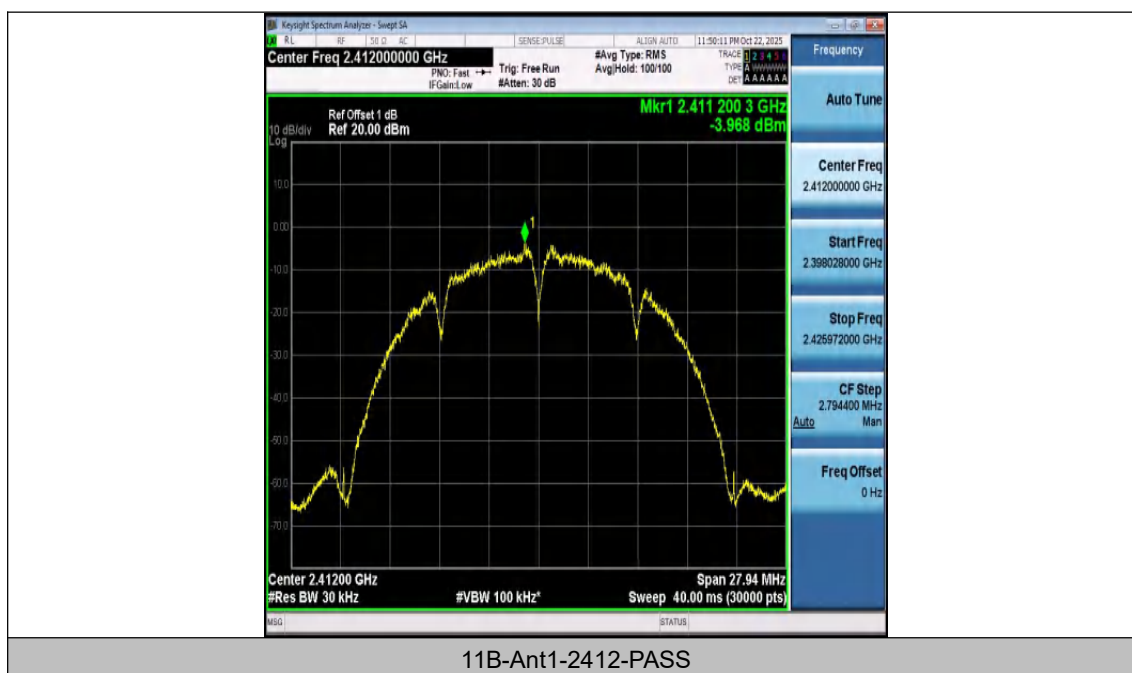


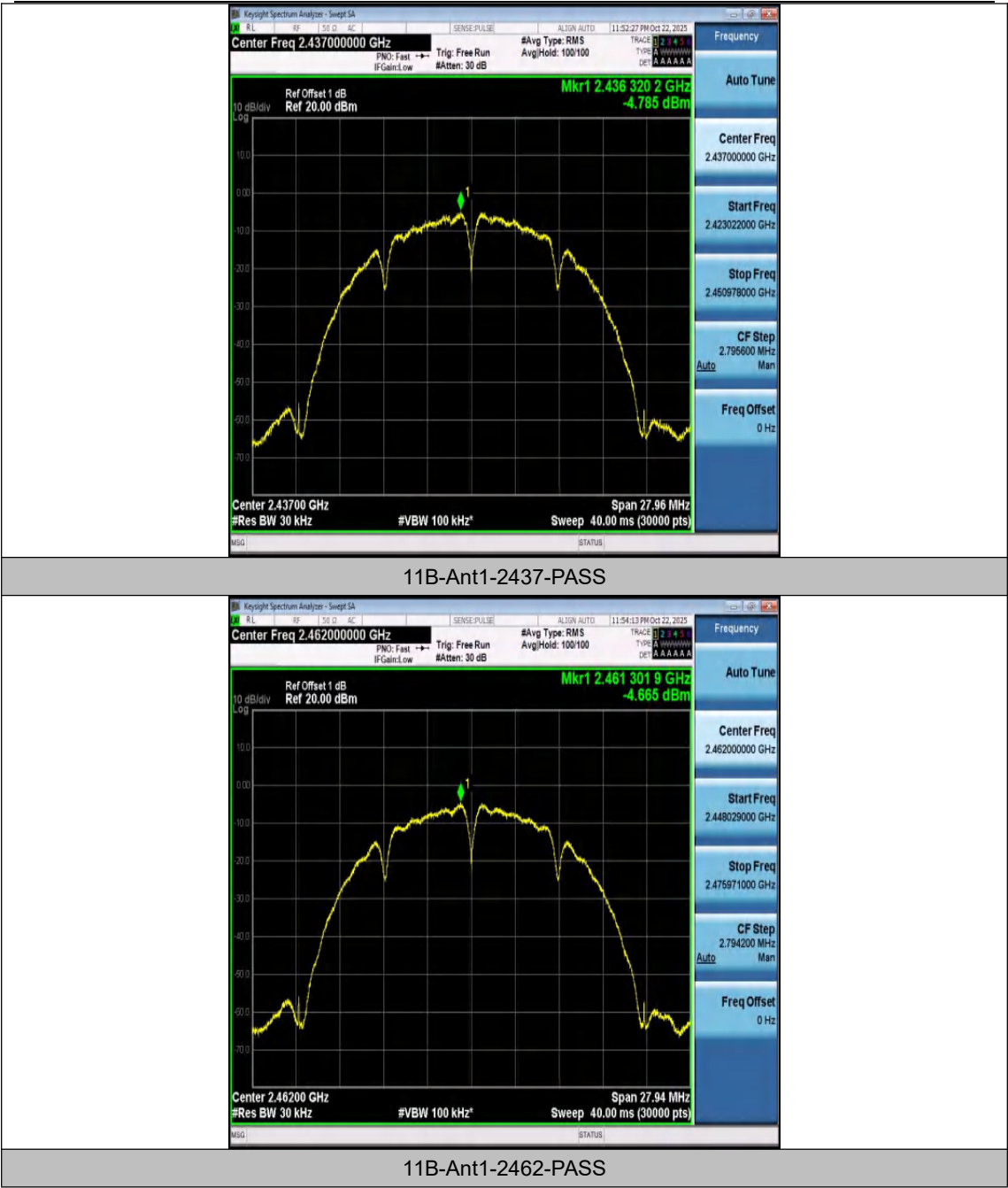
Appendix D: Maximum power spectral density

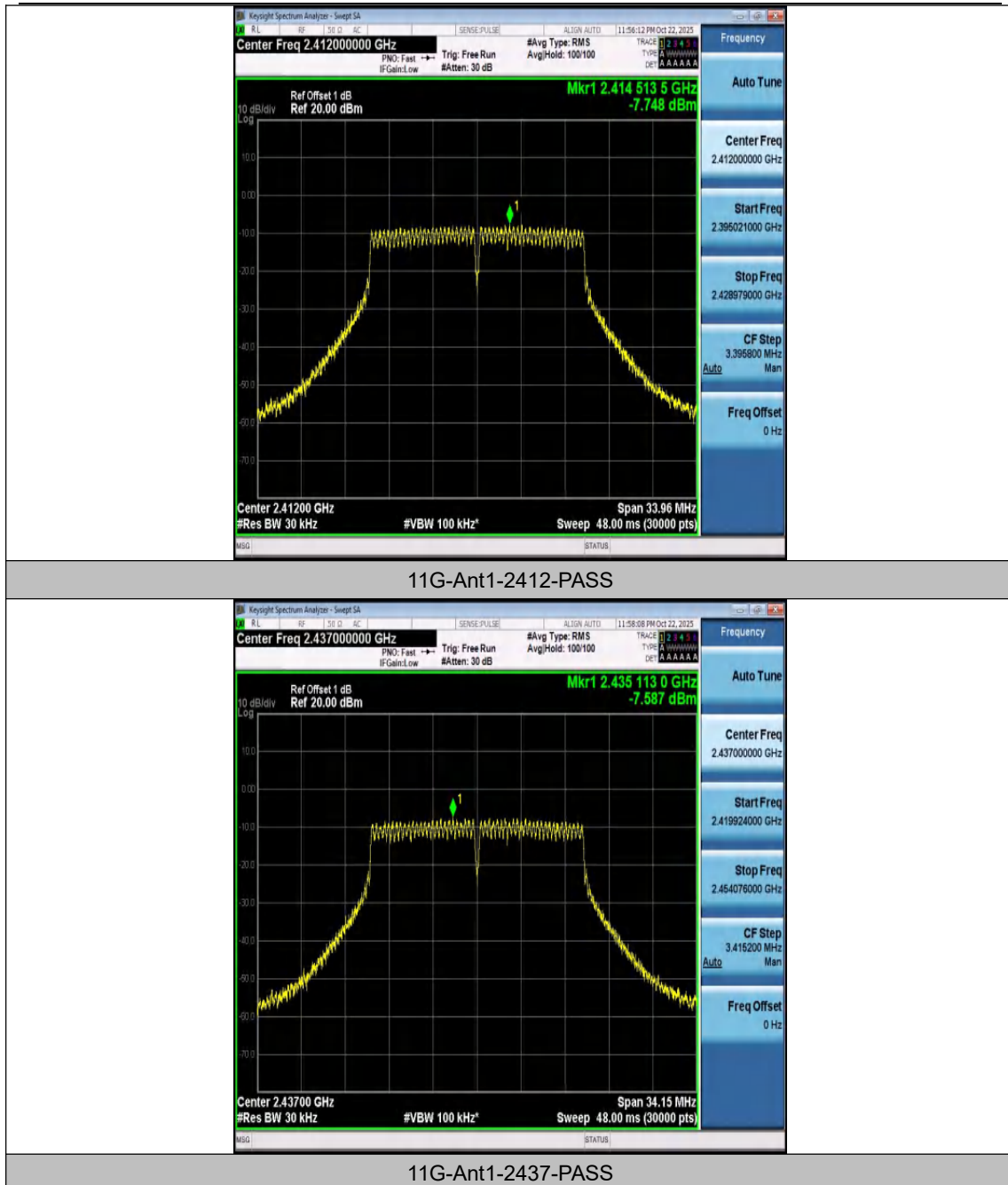
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.97	≤8.00	PASS
11B	Ant1	2437	-4.79	≤8.00	PASS
11B	Ant1	2462	-4.67	≤8.00	PASS
11G	Ant1	2412	-7.75	≤8.00	PASS
11G	Ant1	2437	-7.59	≤8.00	PASS
11G	Ant1	2462	-7.61	≤8.00	PASS
11N20SISO	Ant1	2412	-8.40	≤8.00	PASS
11N20SISO	Ant1	2437	-7.62	≤8.00	PASS
11N20SISO	Ant1	2462	-7.98	≤8.00	PASS

Test Graphs



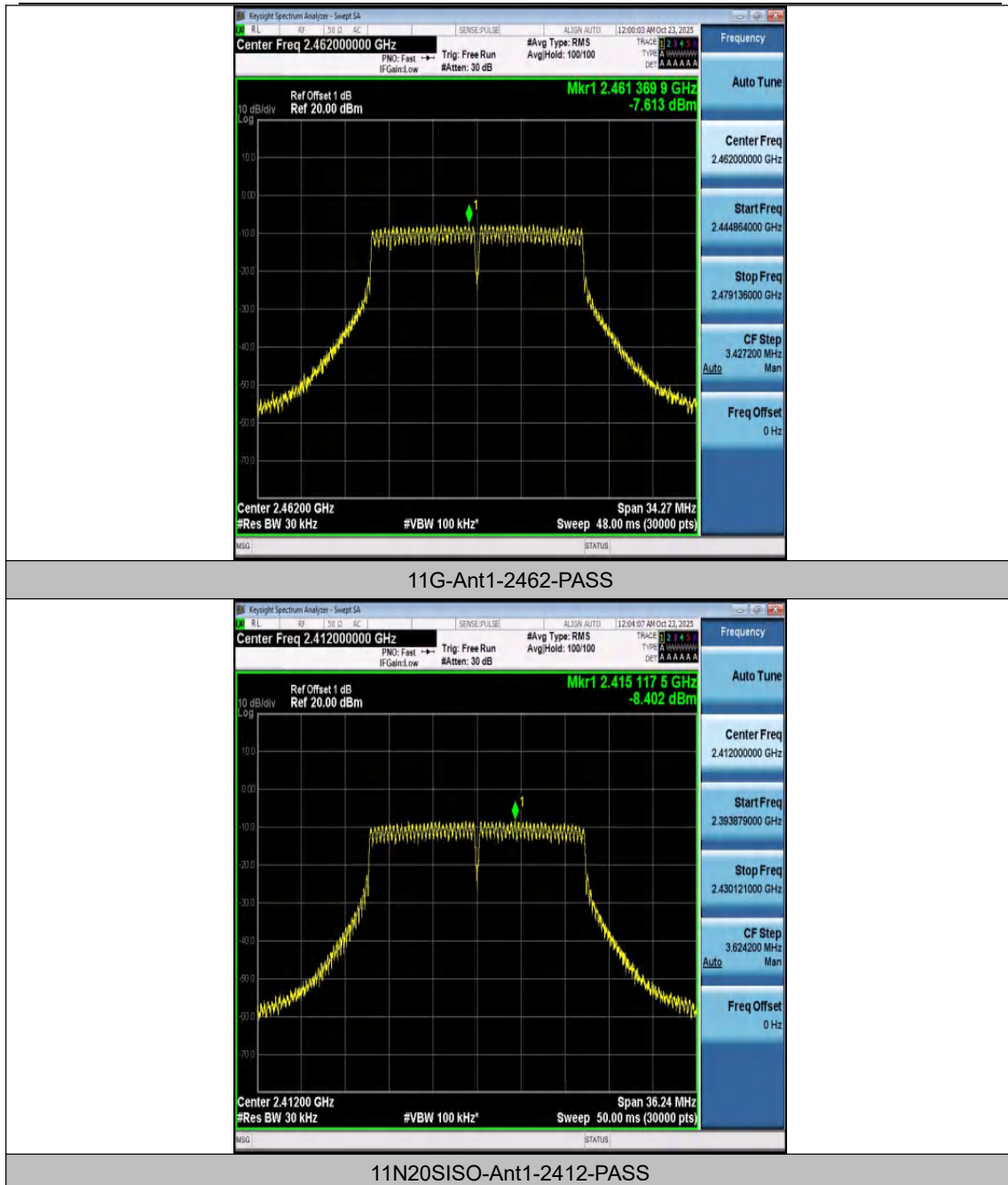




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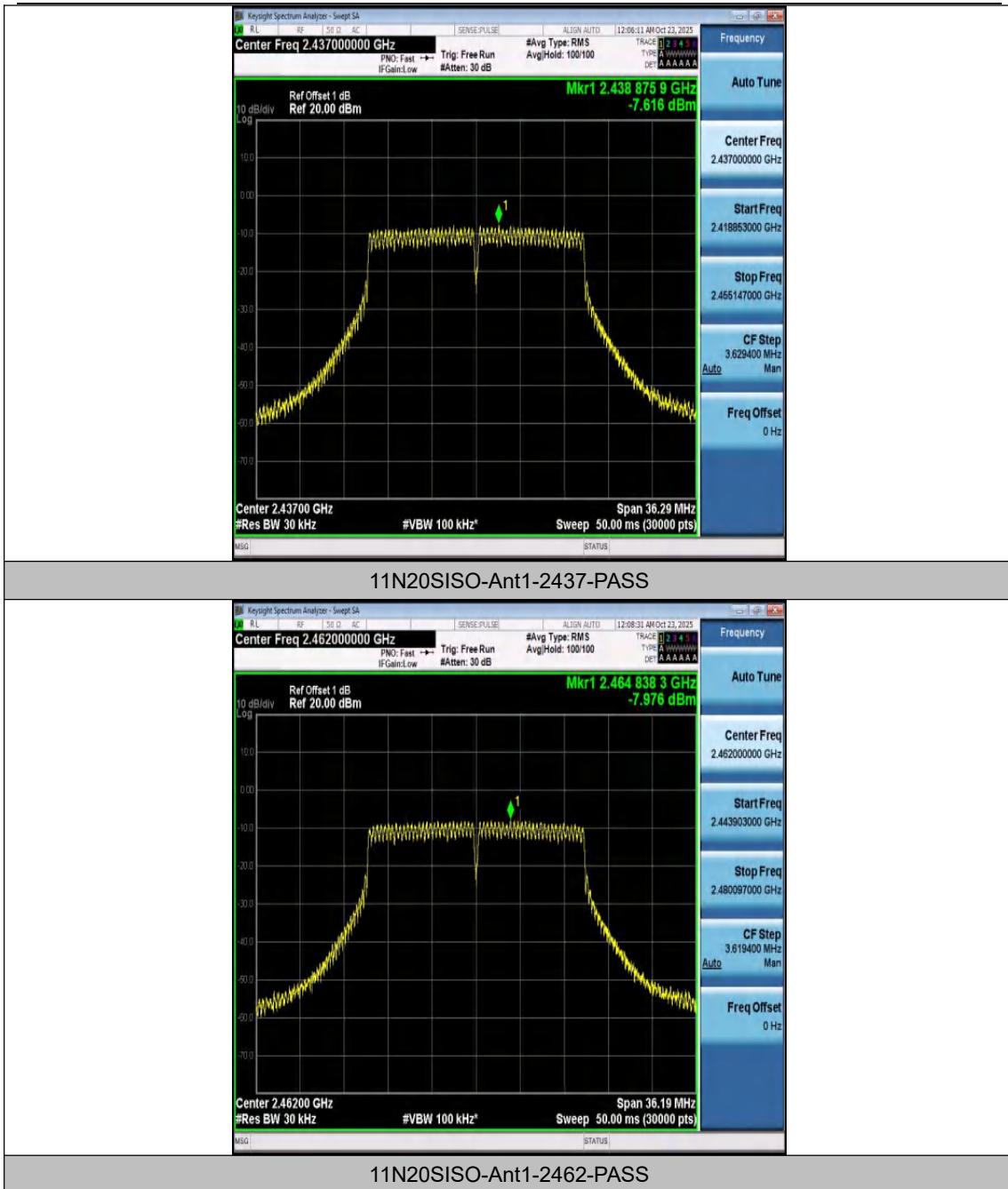
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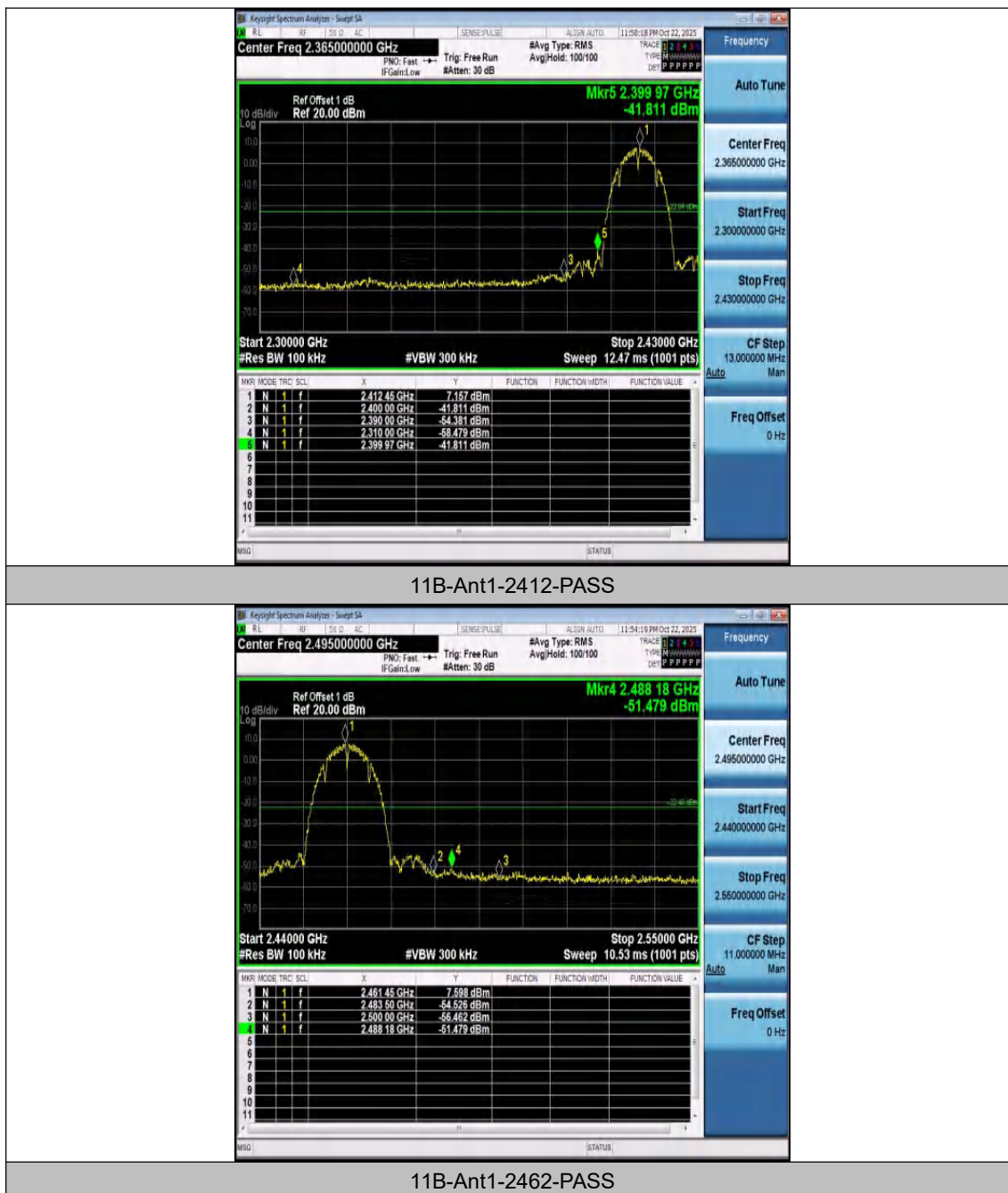
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.16	-41.81	≤ -22.84	PASS
11B	Ant1	High	2462	7.60	-51.48	≤ -22.4	PASS
11G	Ant1	Low	2412	2.45	-29.52	≤ -27.55	PASS
11G	Ant1	High	2462	2.71	-41.32	≤ -27.29	PASS
11N20SISO	Ant1	Low	2412	2.40	-29.68	≤ -27.61	PASS
11N20SISO	Ant1	High	2462	2.59	-40.99	≤ -27.41	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.

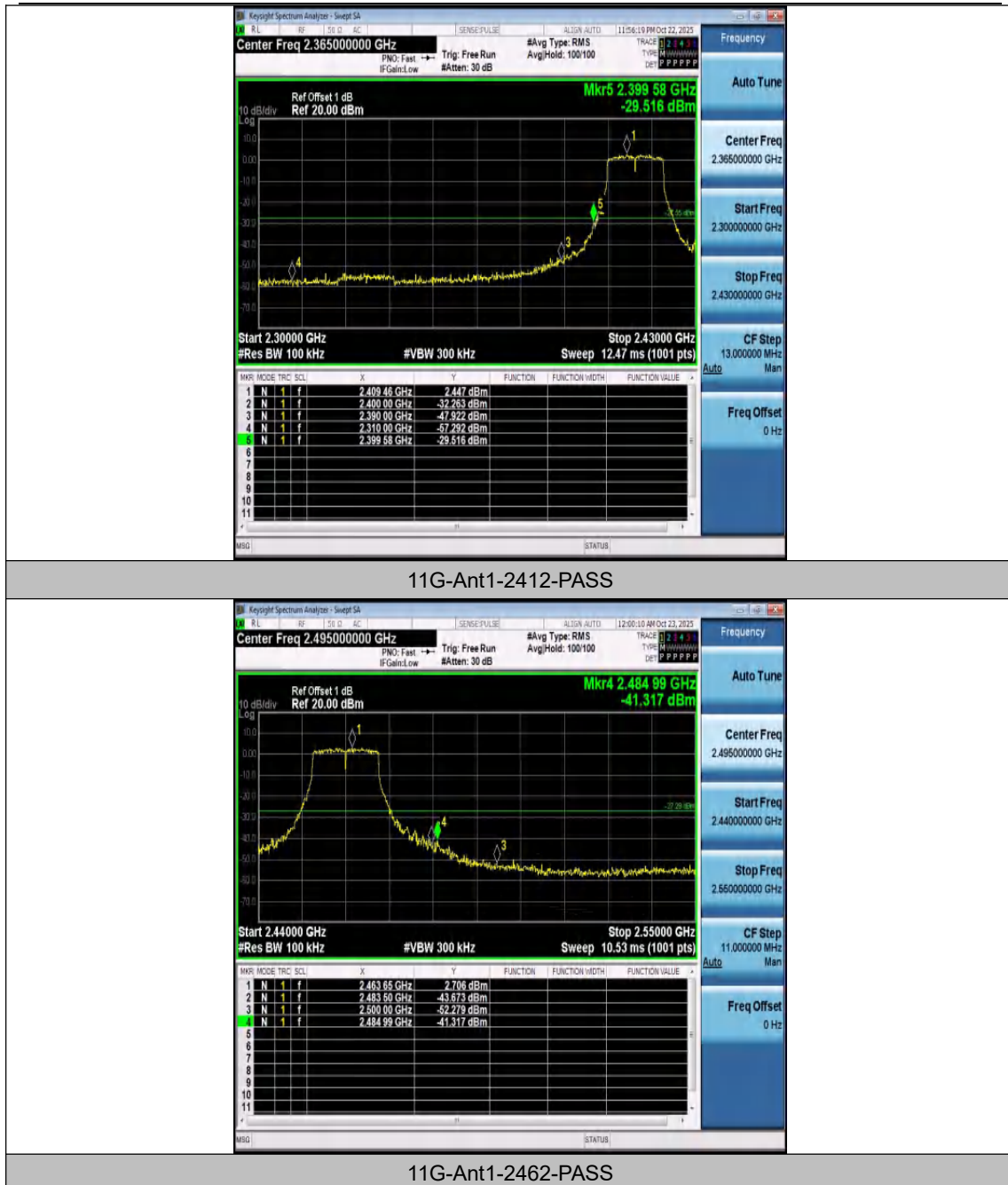
Test Graphs

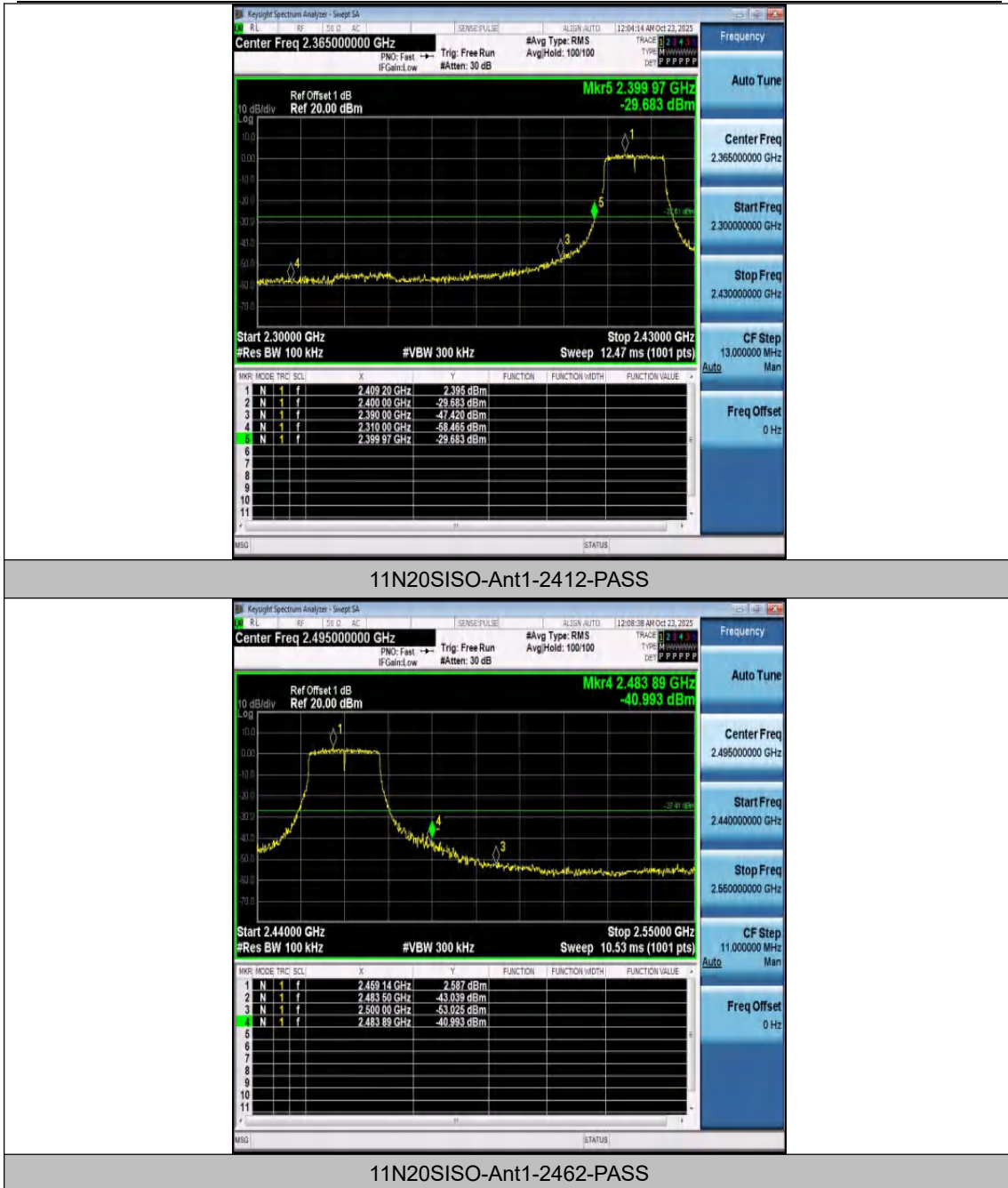


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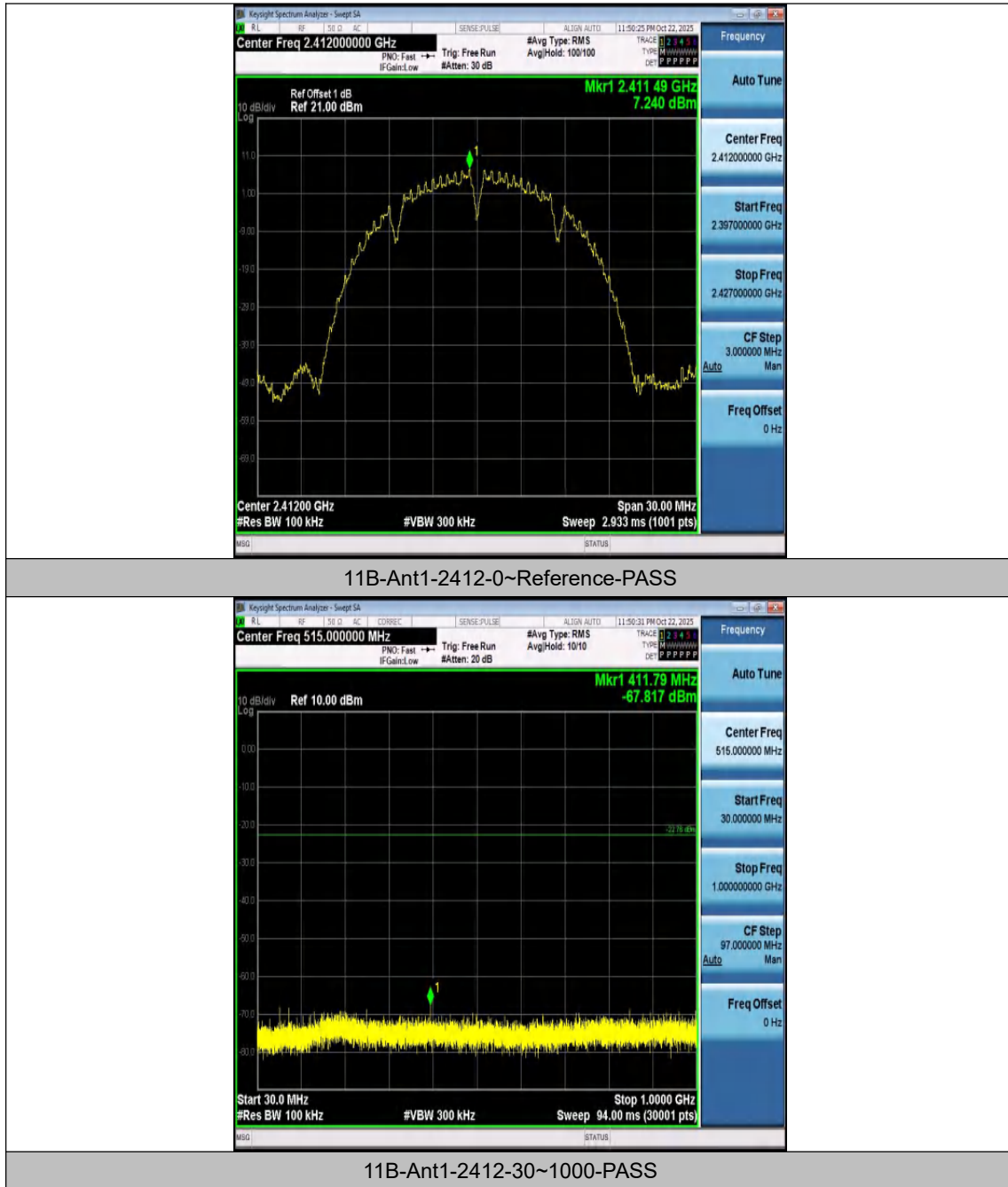
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	7.24	7.24	---	PASS
11B	Ant1	2412	30~1000	7.24	-67.82	≤-22.76	PASS
11B	Ant1	2412	1000~26500	7.24	-43.36	≤-22.76	PASS
11B	Ant1	2437	0~Reference	7.38	7.38	---	PASS
11B	Ant1	2437	30~1000	7.38	-67.77	≤-22.62	PASS
11B	Ant1	2437	1000~26500	7.38	-41.73	≤-22.62	PASS
11B	Ant1	2462	0~Reference	7.58	7.58	---	PASS
11B	Ant1	2462	30~1000	7.58	-68.45	≤-22.42	PASS
11B	Ant1	2462	1000~26500	7.58	-43.62	≤-22.42	PASS
11G	Ant1	2412	0~Reference	2.32	2.32	---	PASS
11G	Ant1	2412	30~1000	2.32	-66.59	≤-27.68	PASS
11G	Ant1	2412	1000~26500	2.32	-43.92	≤-27.68	PASS
11G	Ant1	2437	0~Reference	2.47	2.47	---	PASS
11G	Ant1	2437	30~1000	2.47	-67.22	≤-27.53	PASS
11G	Ant1	2437	1000~26500	2.47	-43.86	≤-27.53	PASS
11G	Ant1	2462	0~Reference	2.48	2.48	---	PASS
11G	Ant1	2462	30~1000	2.48	-65.64	≤-27.52	PASS
11G	Ant1	2462	1000~26500	2.48	-40.37	≤-27.52	PASS
11N20SISO	Ant1	2412	0~Reference	2.83	2.83	---	PASS
11N20SISO	Ant1	2412	30~1000	2.83	-67.52	≤-27.17	PASS
11N20SISO	Ant1	2412	1000~26500	2.83	-43.29	≤-27.17	PASS
11N20SISO	Ant1	2437	0~Reference	2.34	2.34	---	PASS
11N20SISO	Ant1	2437	30~1000	2.34	-67.13	≤-27.66	PASS
11N20SISO	Ant1	2437	1000~26500	2.34	-41.73	≤-27.66	PASS
11N20SISO	Ant1	2462	0~Reference	2.98	2.98	---	PASS
11N20SISO	Ant1	2462	30~1000	2.98	-65.6	≤-27.02	PASS
11N20SISO	Ant1	2462	1000~26500	2.98	-43.15	≤-27.02	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.

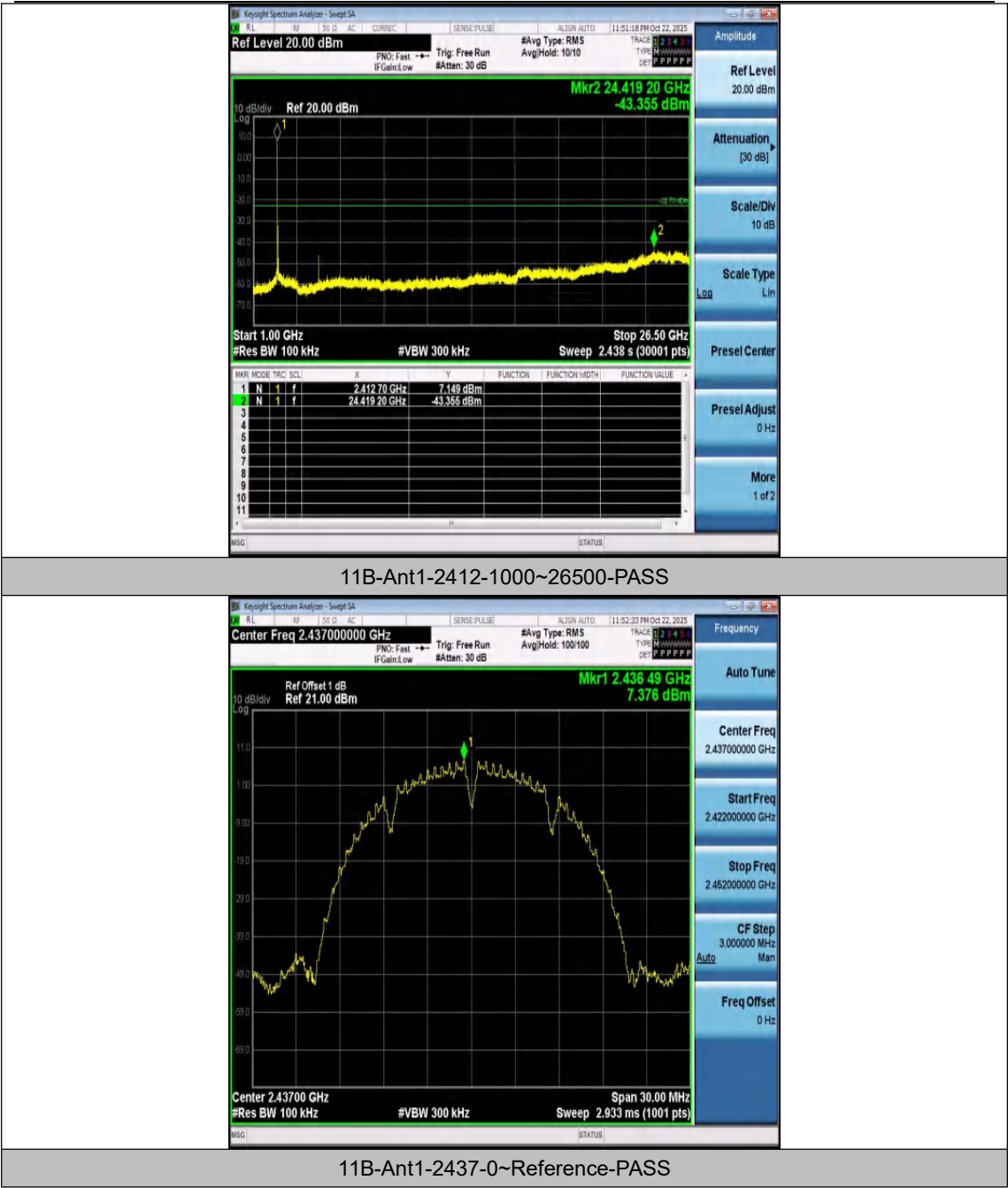
Test Graphs

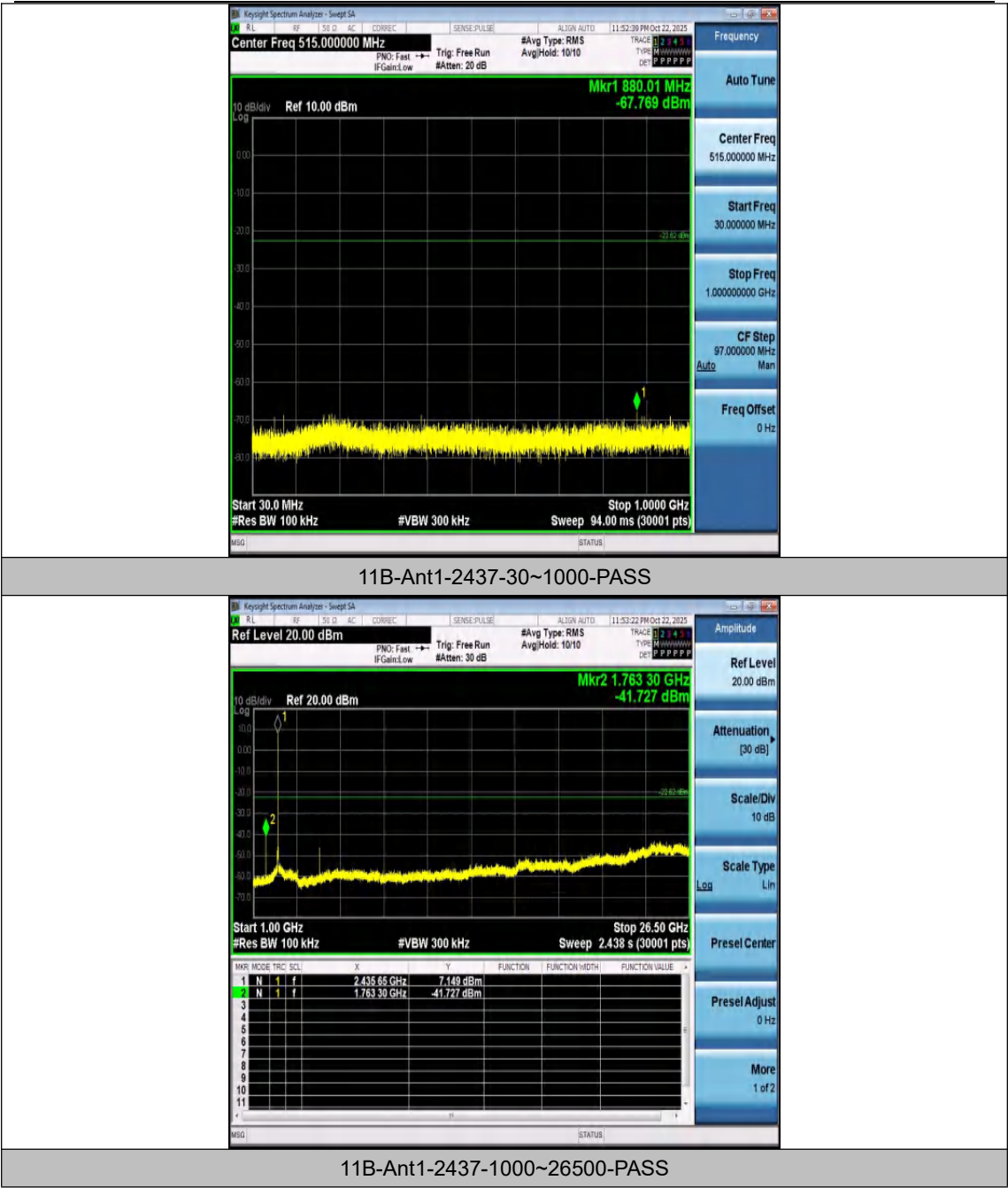


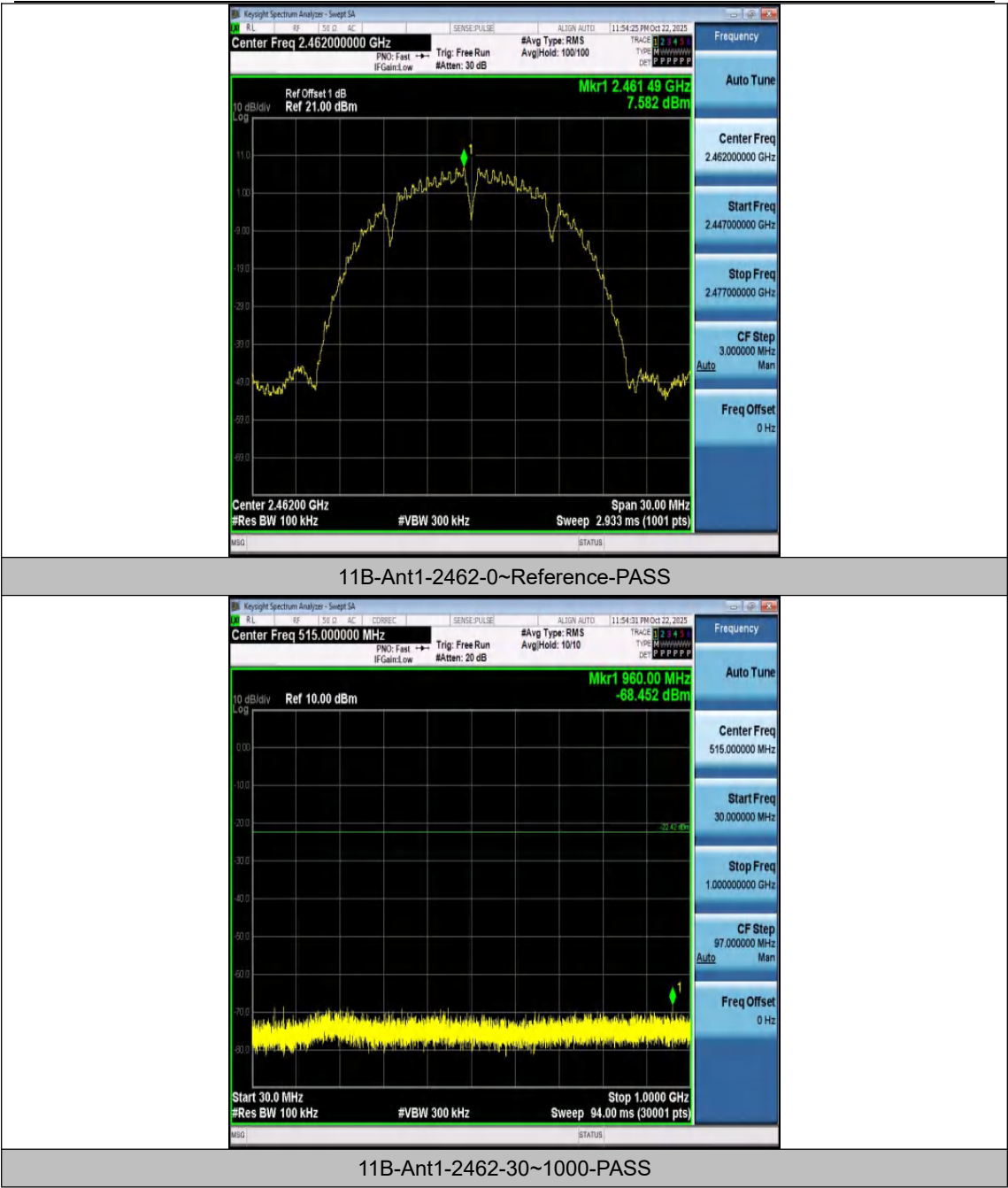
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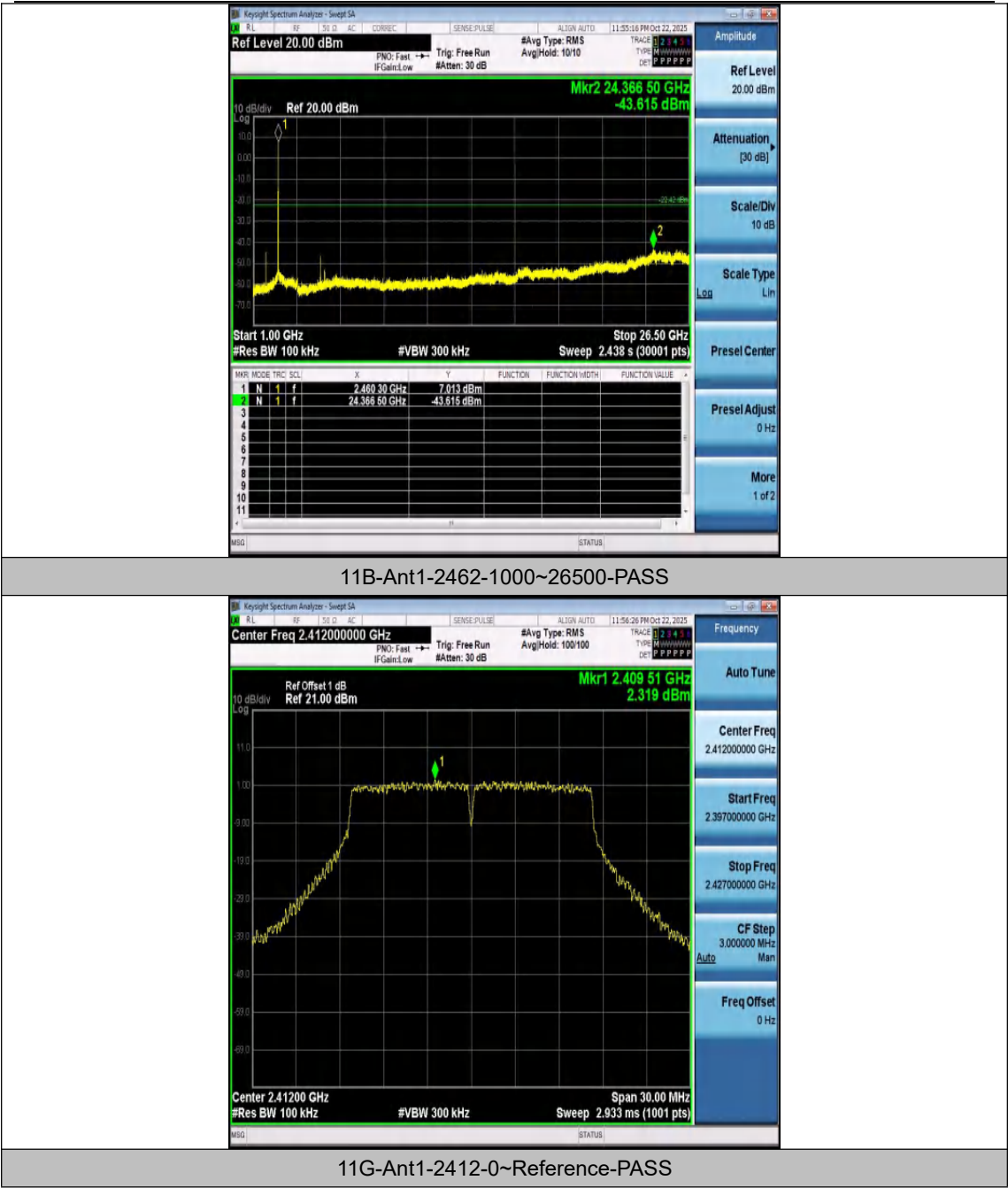


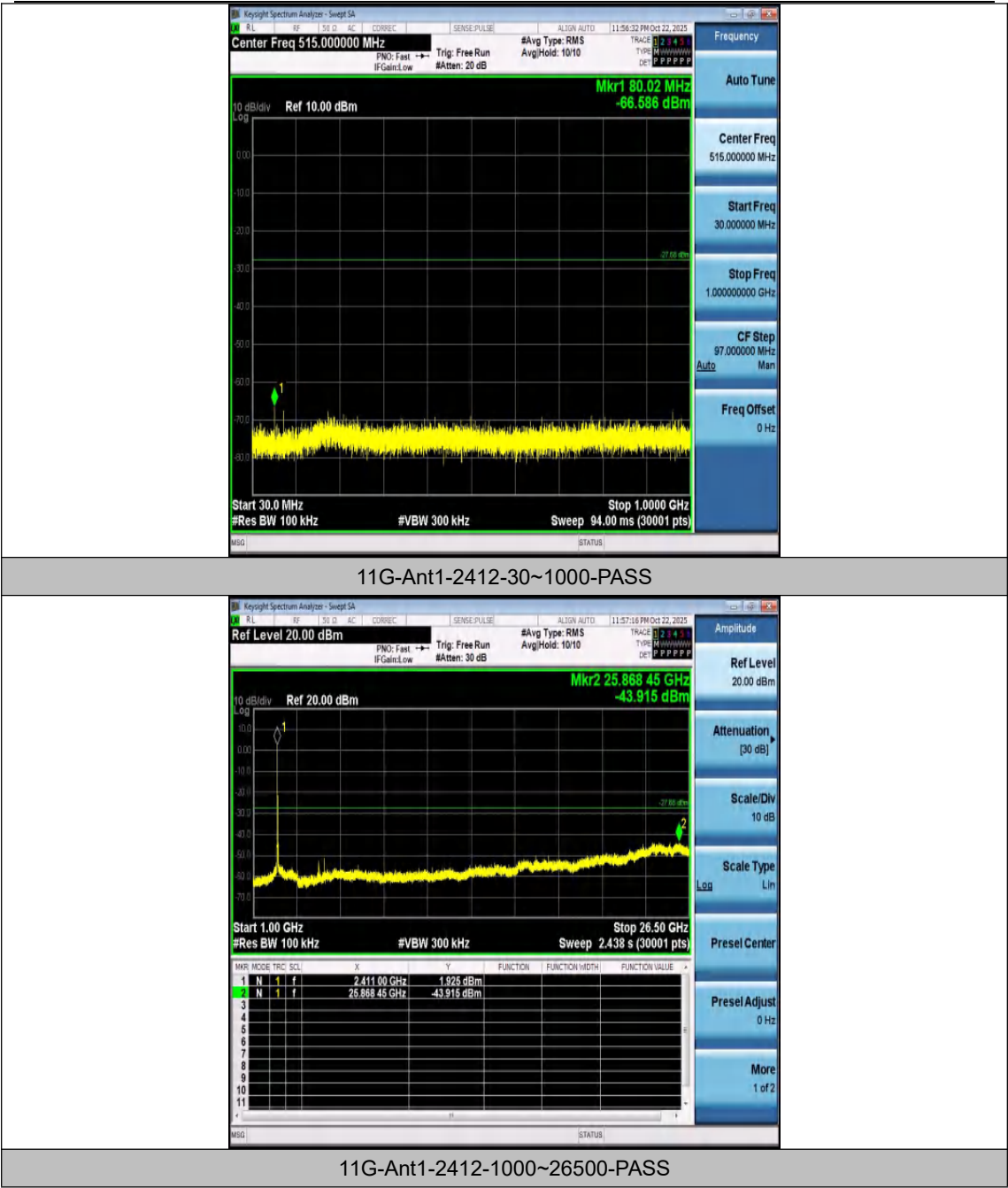


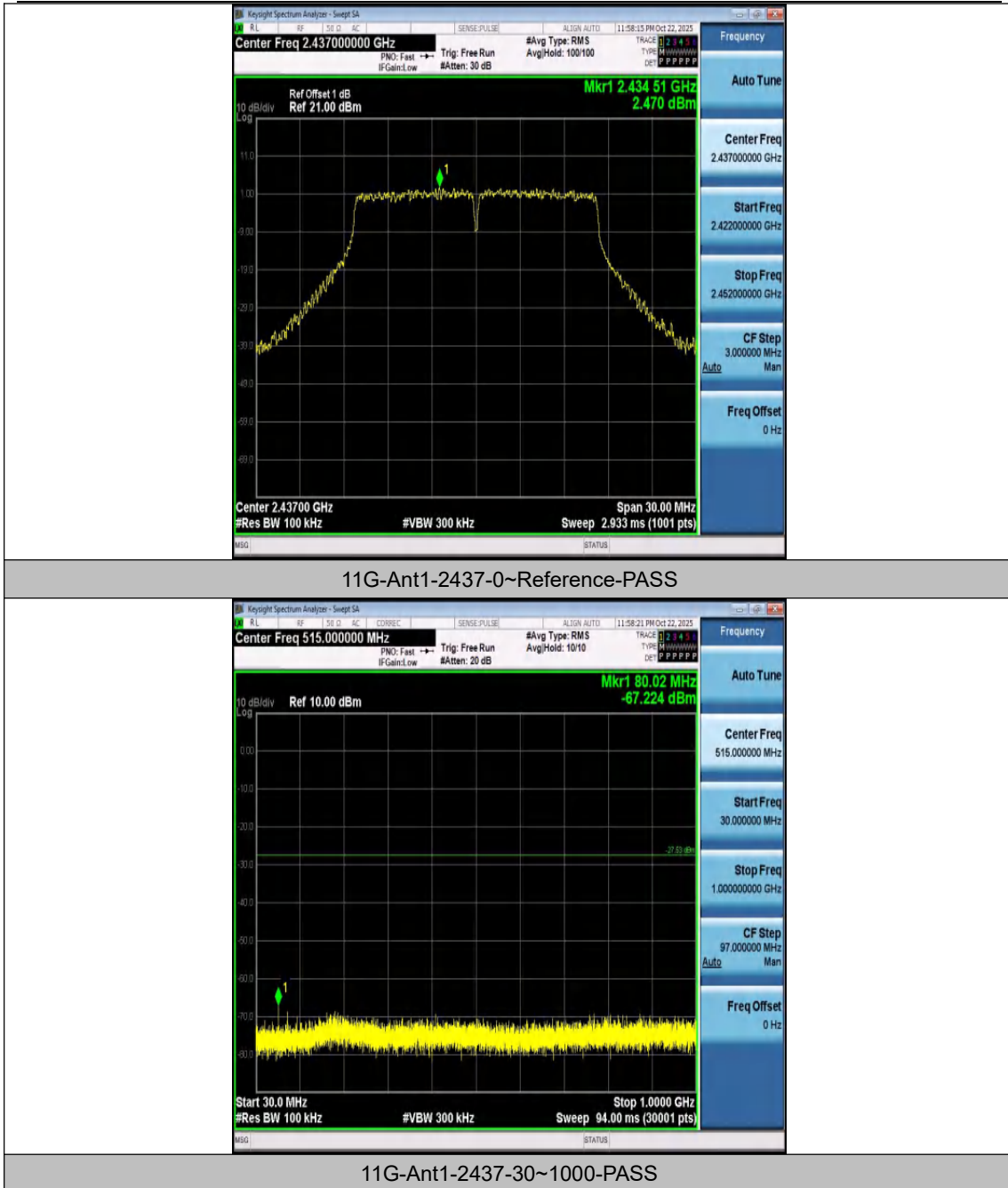


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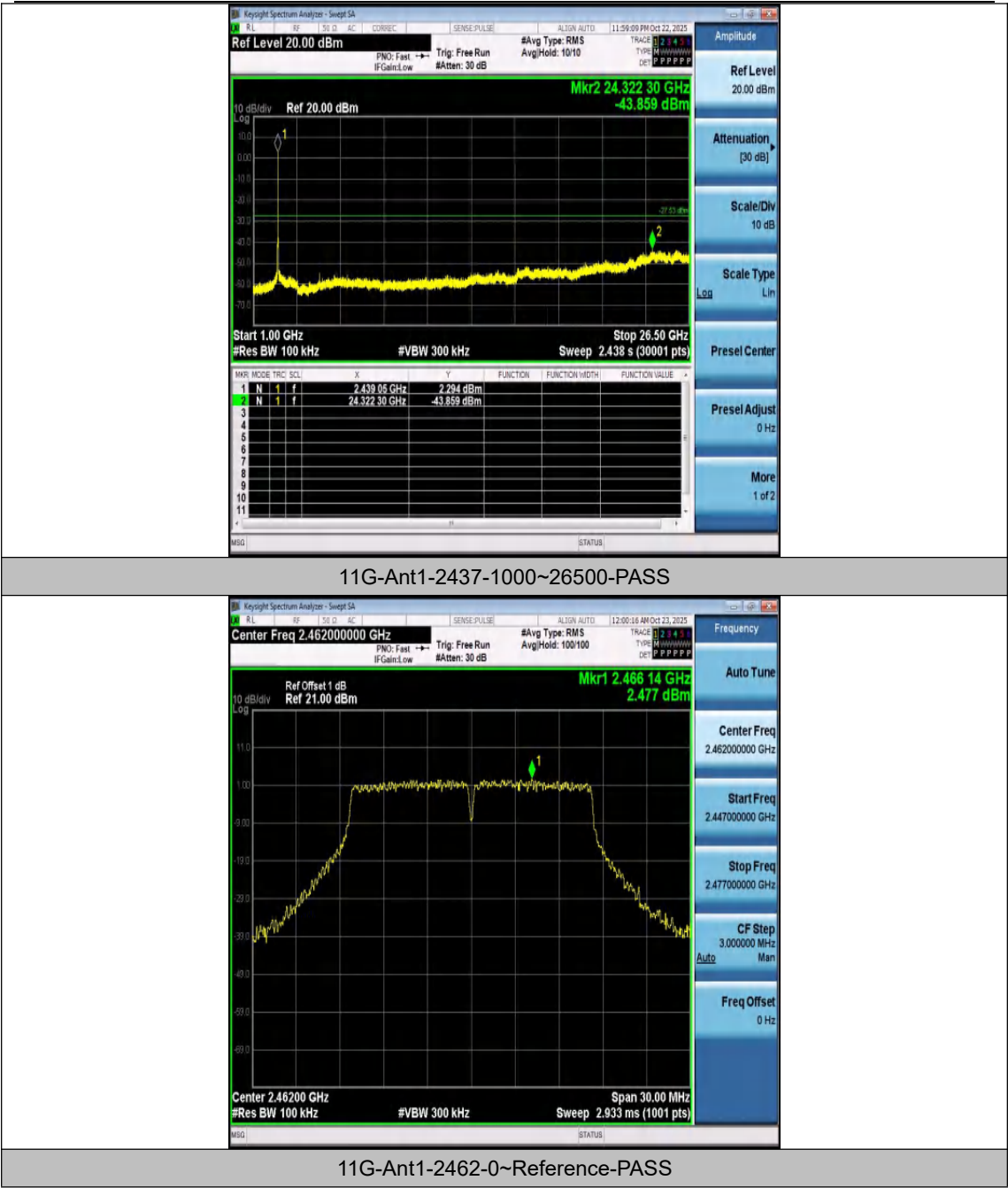




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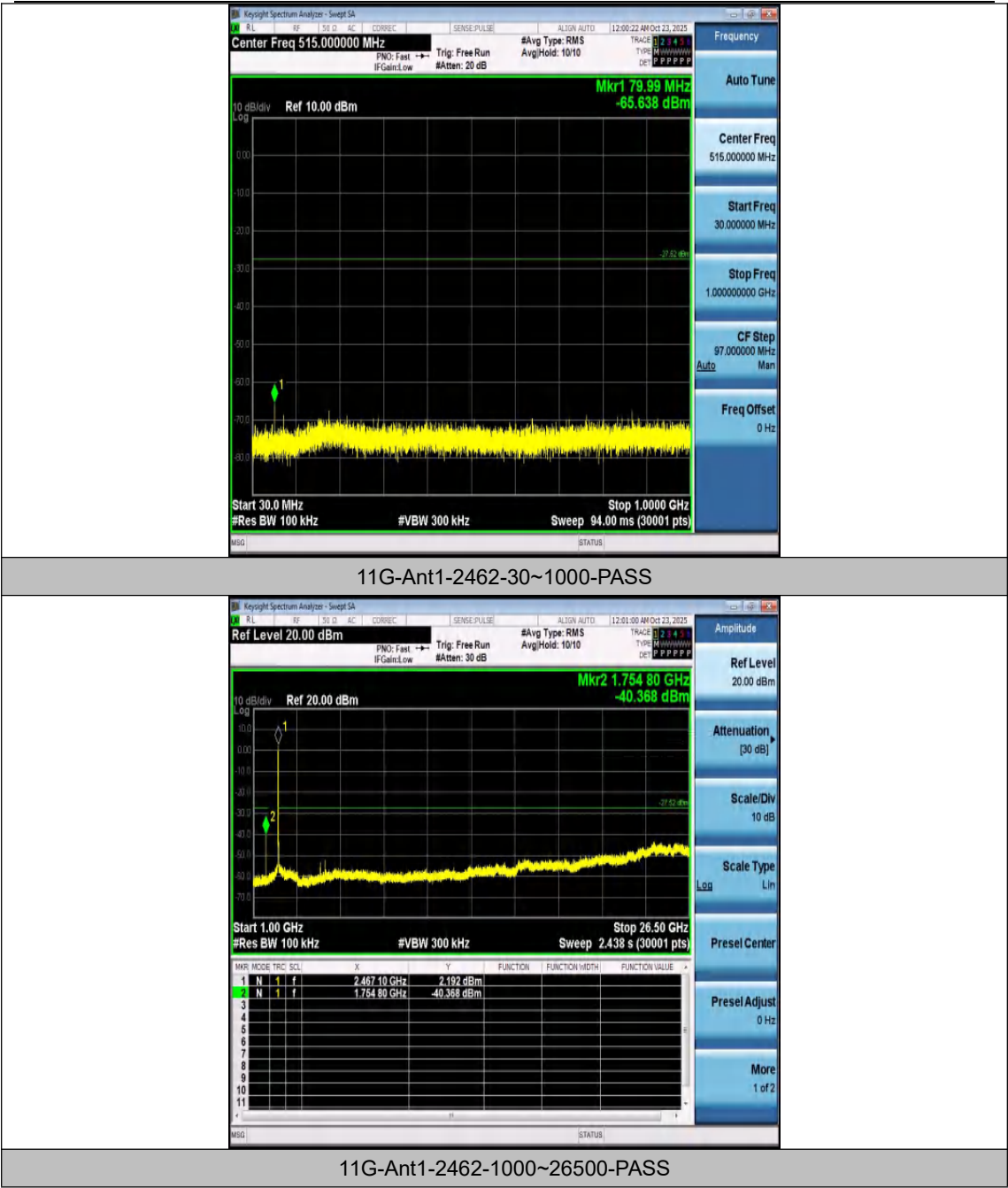
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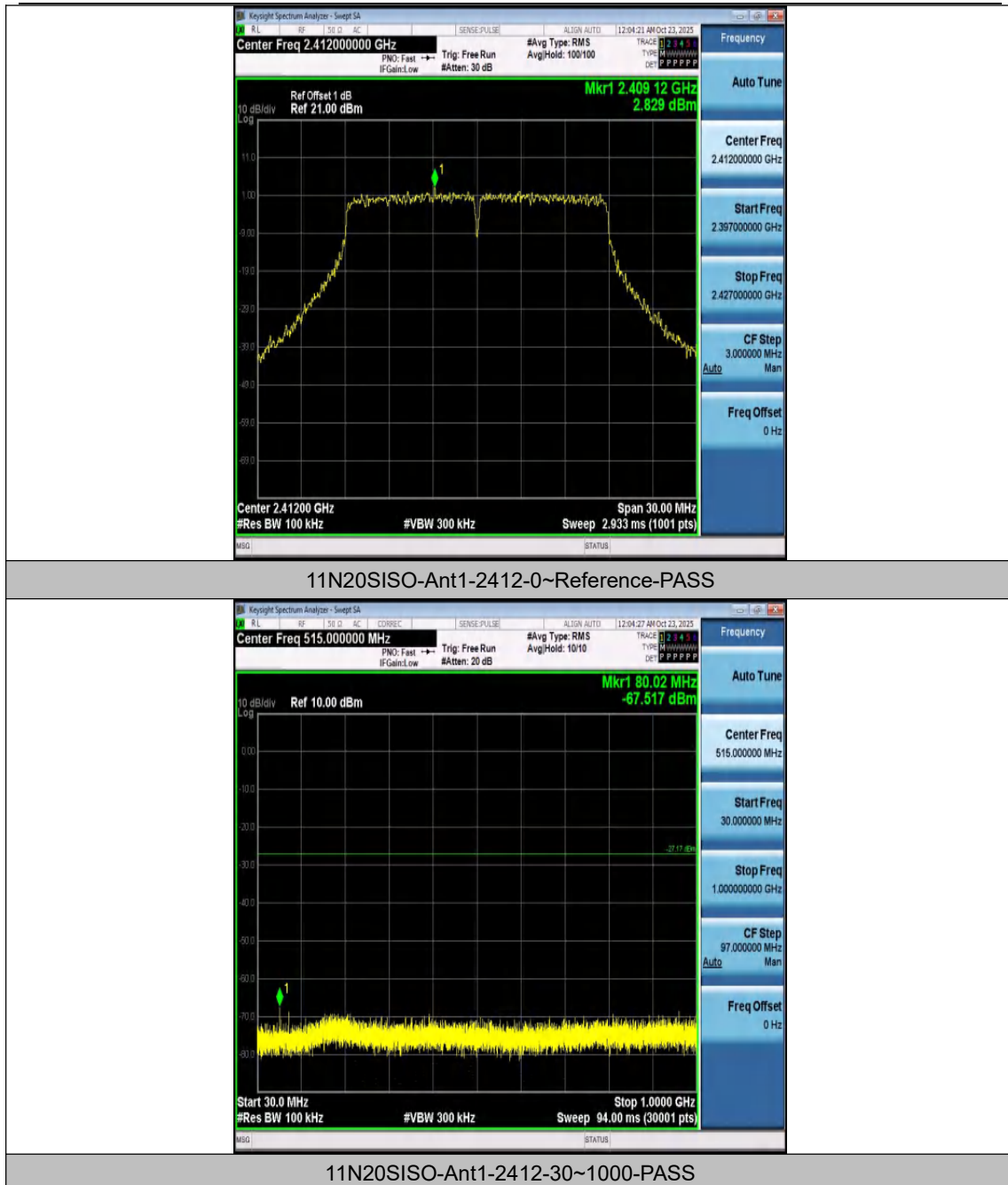


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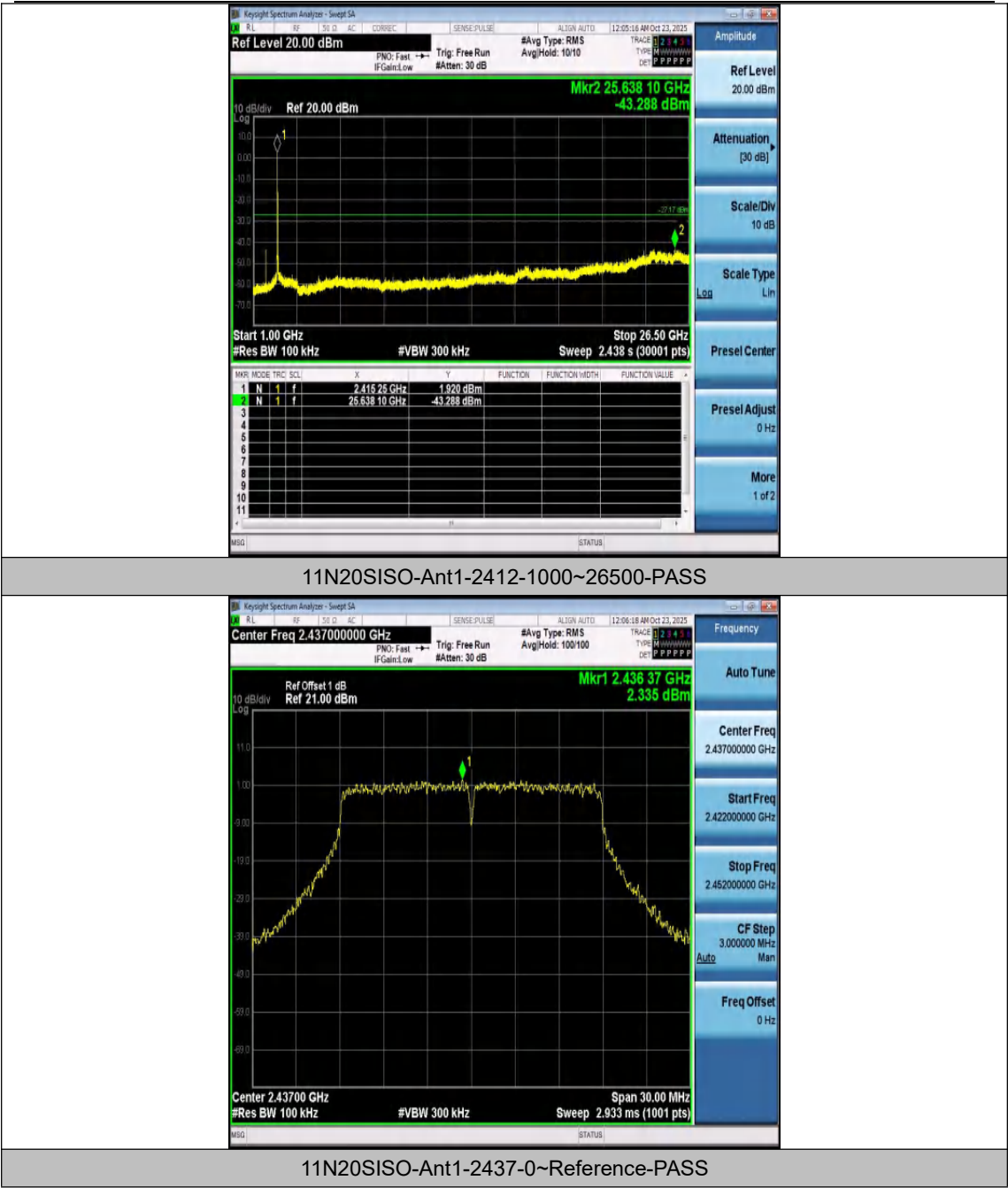




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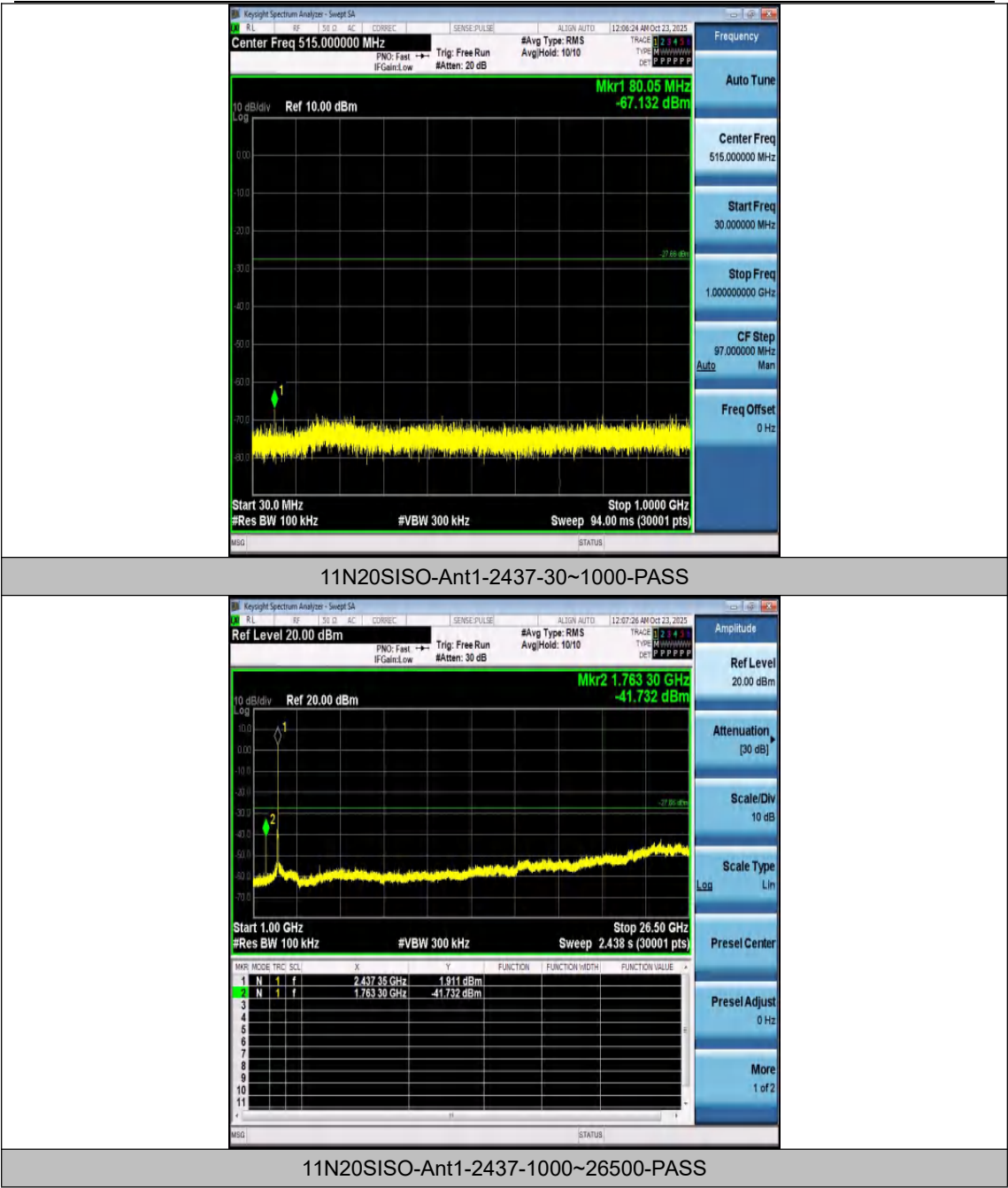
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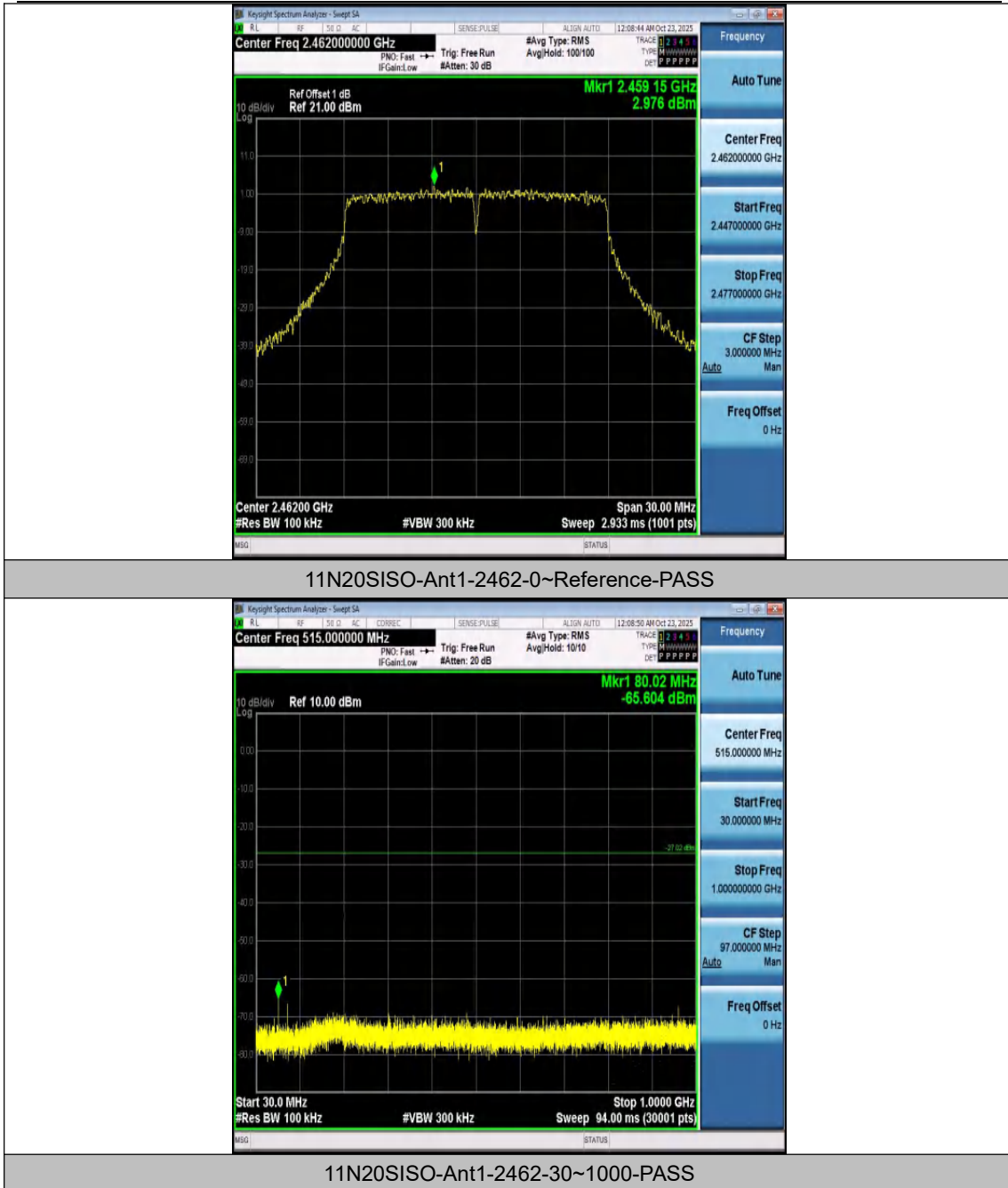
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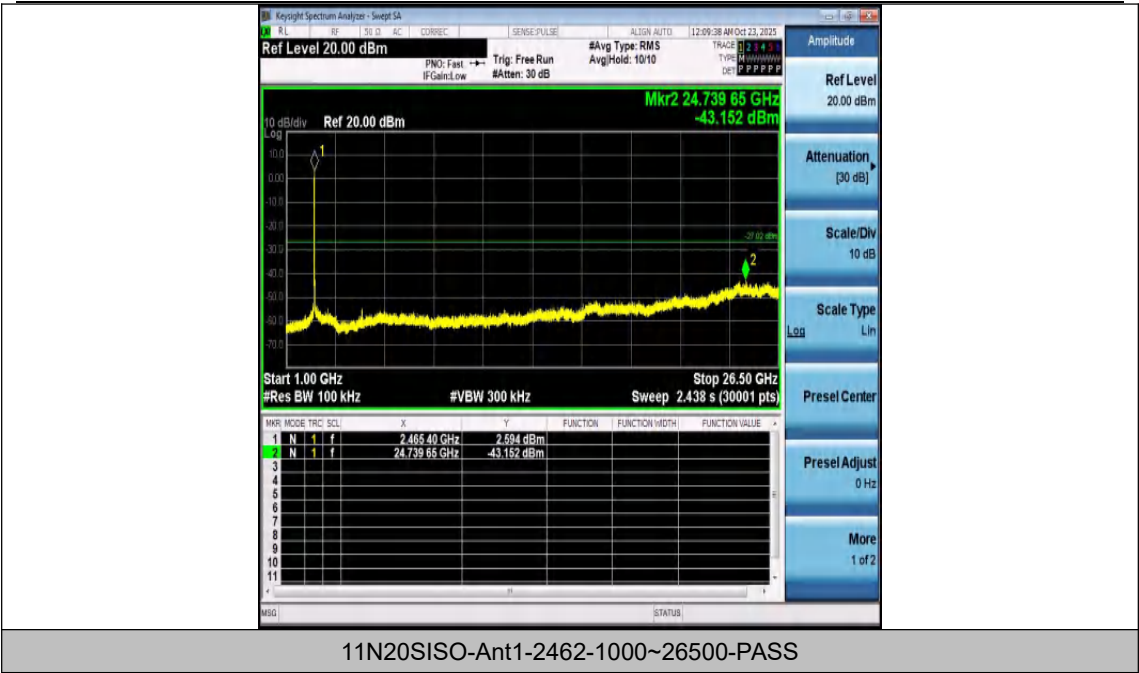




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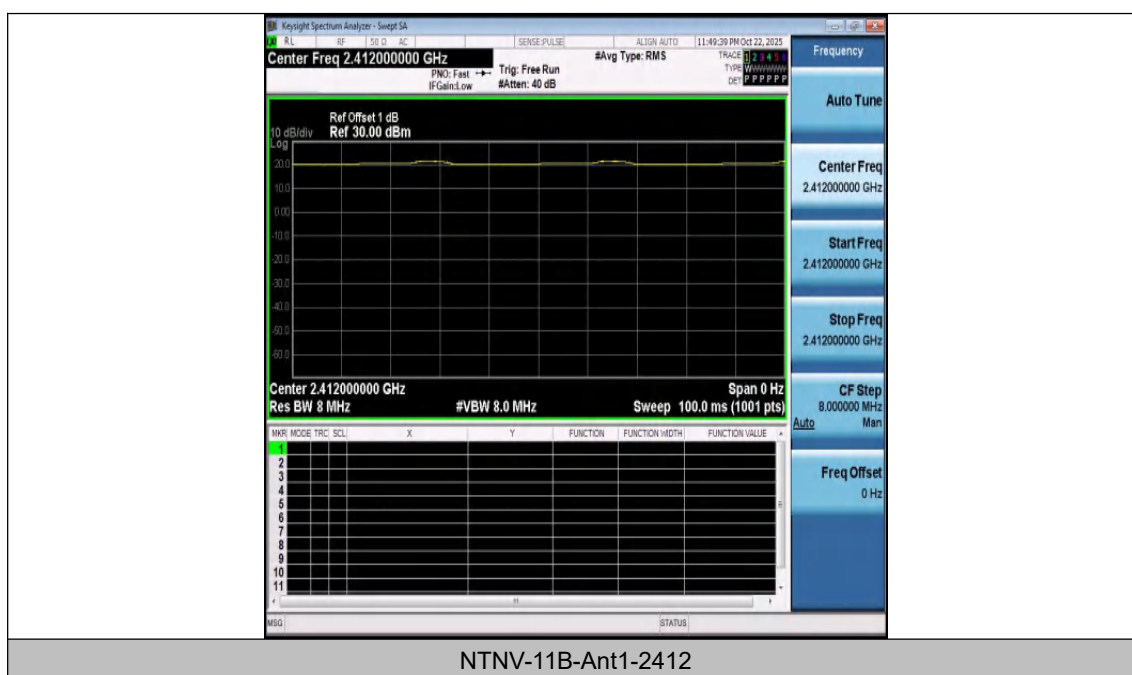
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Appendix G: Duty Cycle

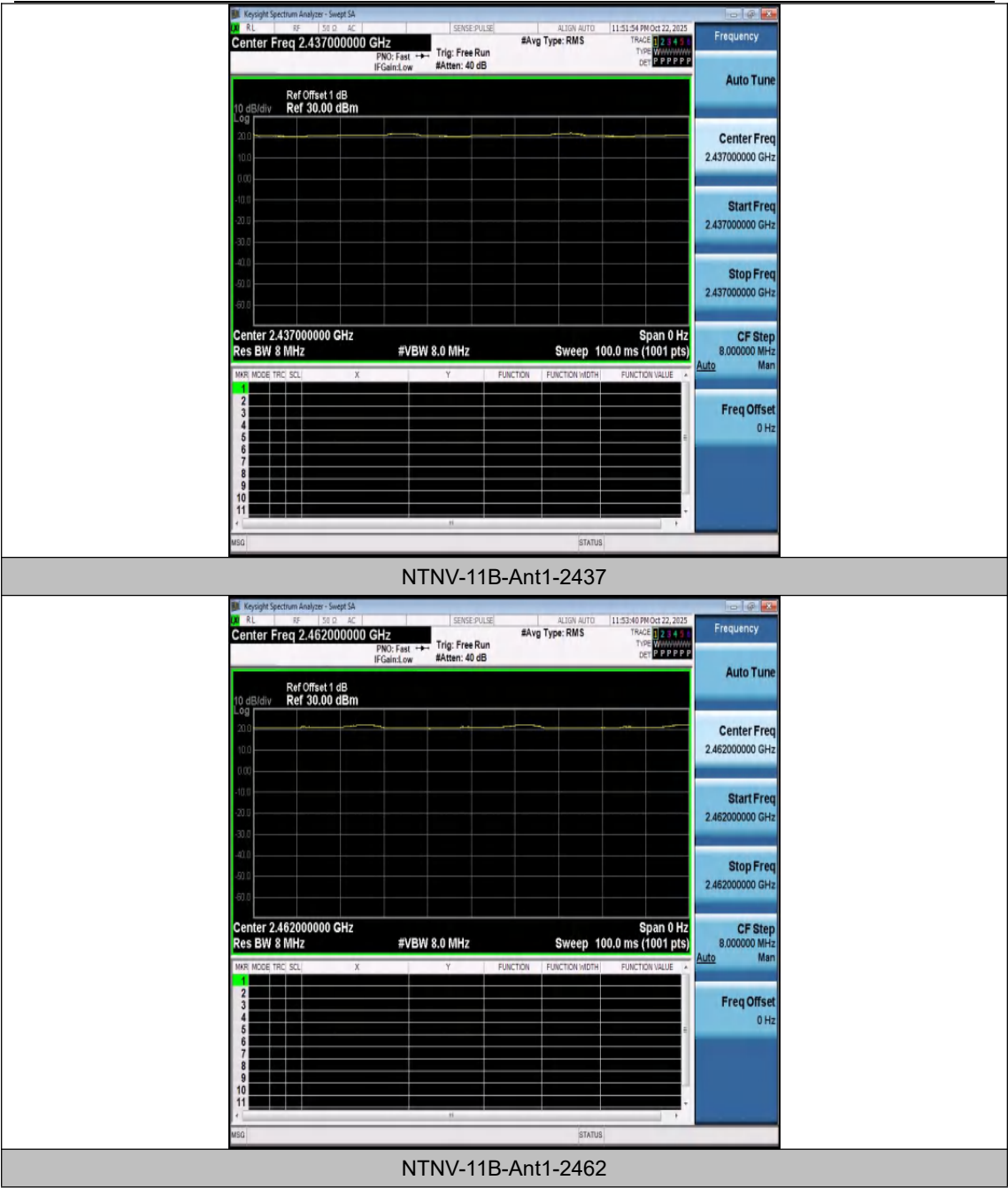
Test Result

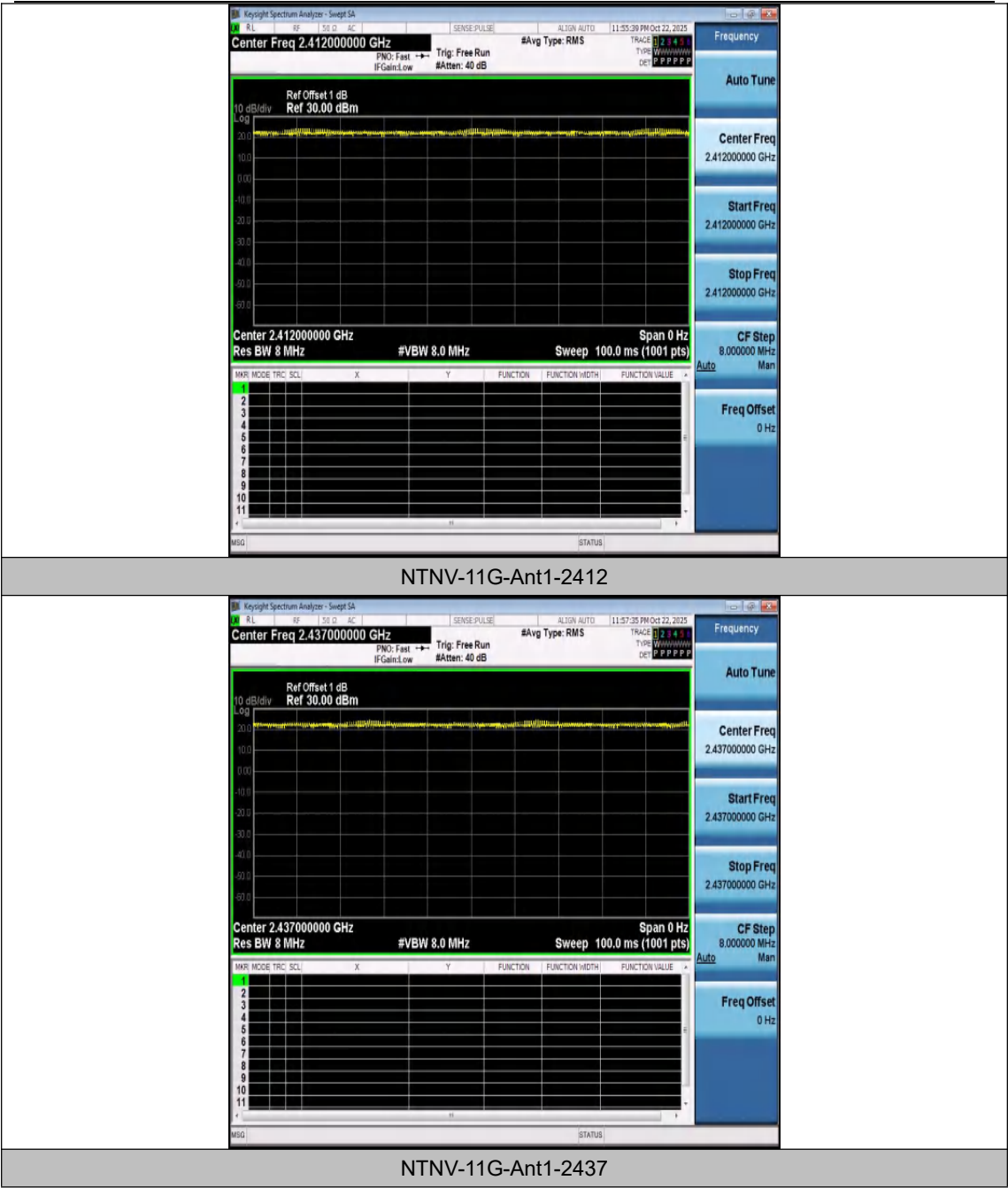
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	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

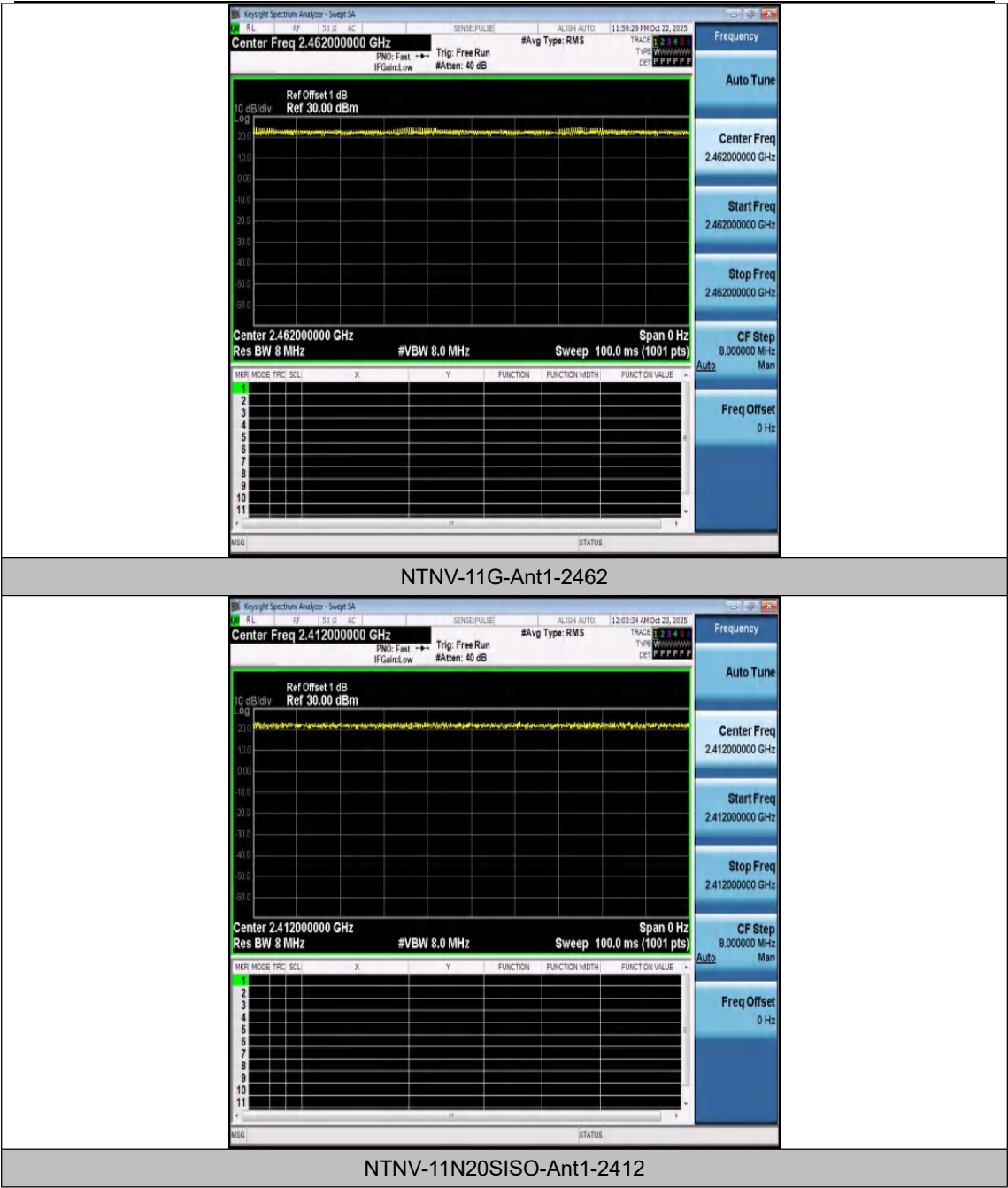
Test Graphs



NTNV-11B-Ant1-2412



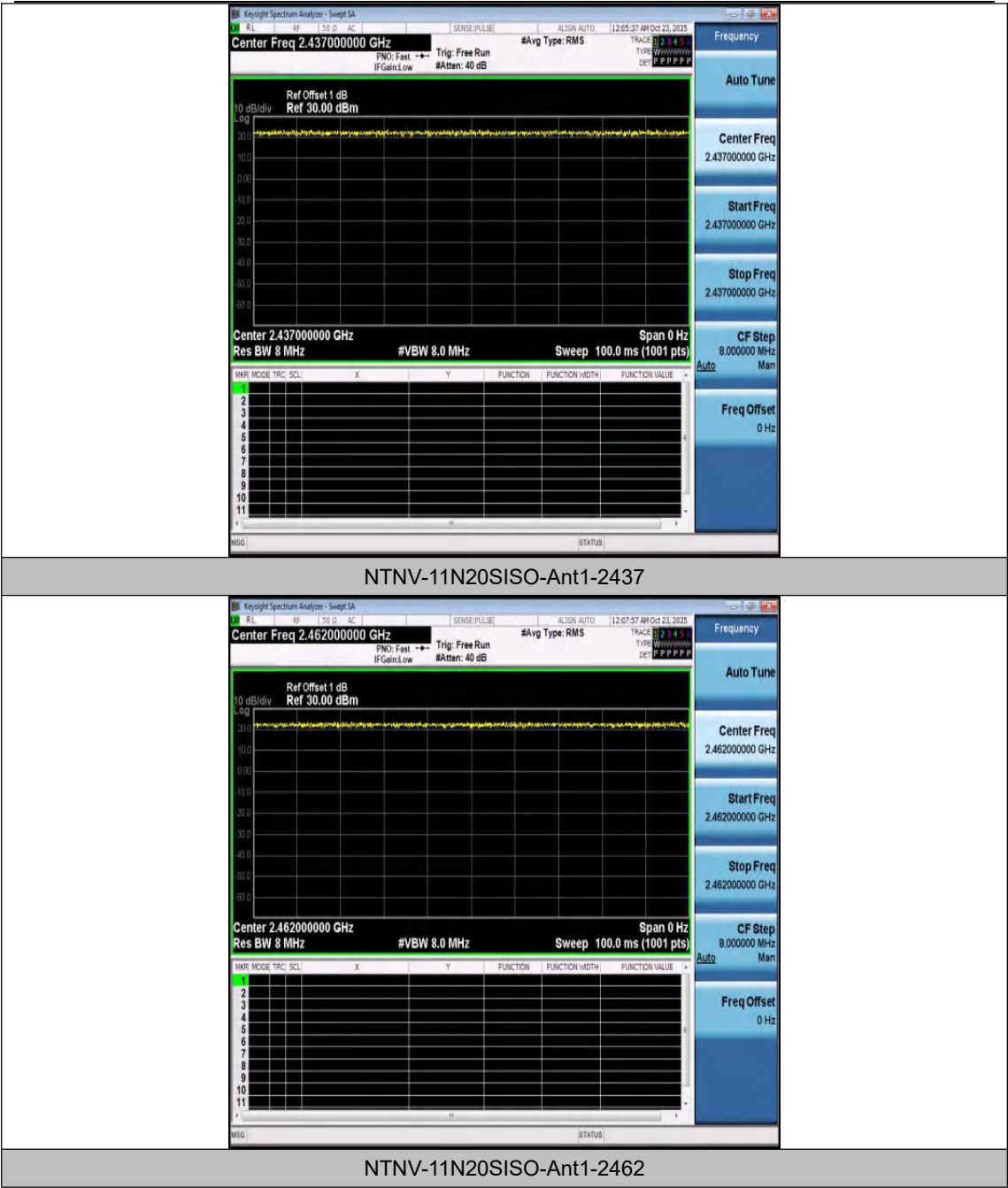




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