

Appendix Test Data

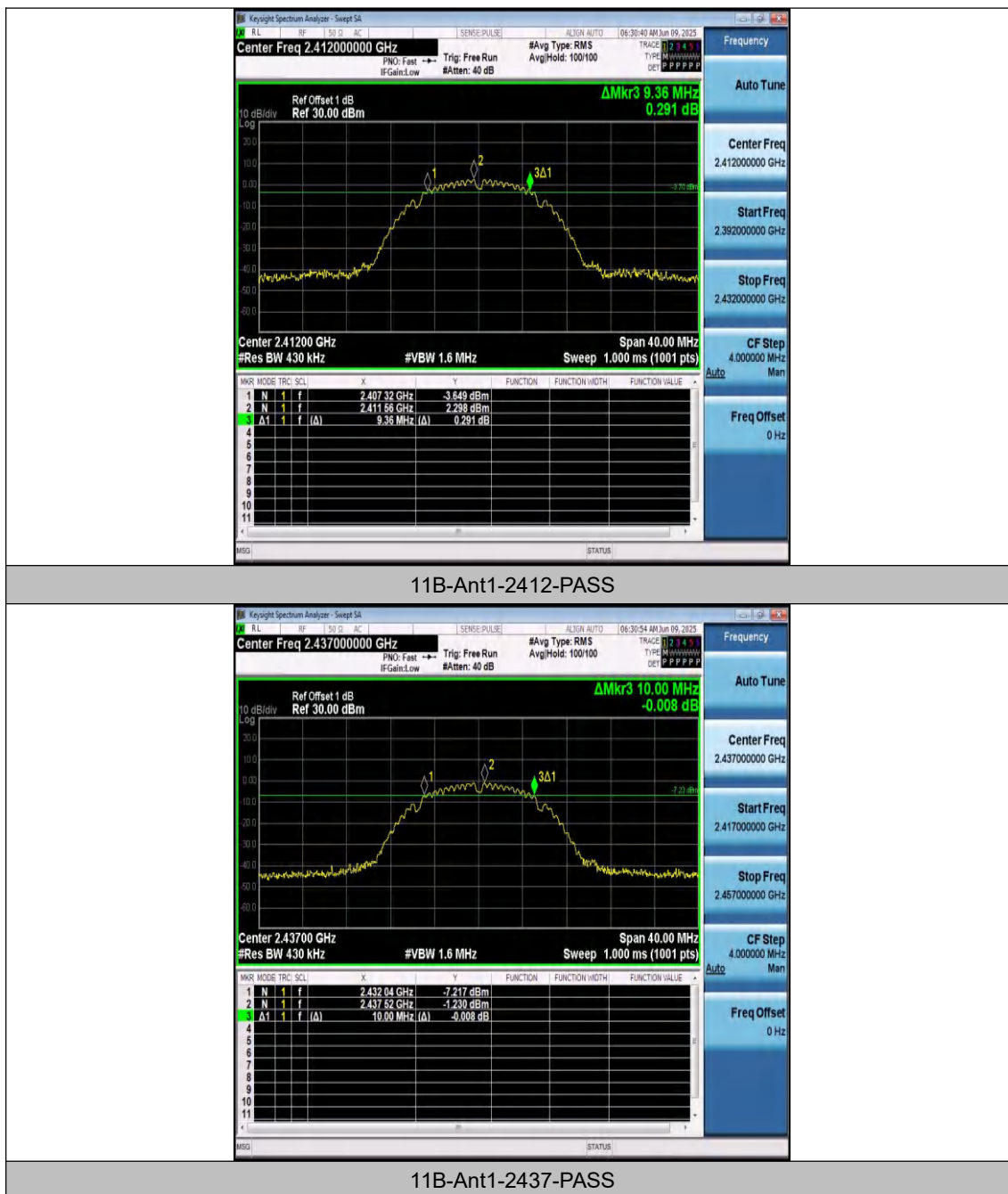
Report No.:	1811C50004412502	Test Sample No.:	1-2-2
Start Test Date:	2025.01.17	Finish Test Date:	2025.01.17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	49%
Pressure:	101kPa		

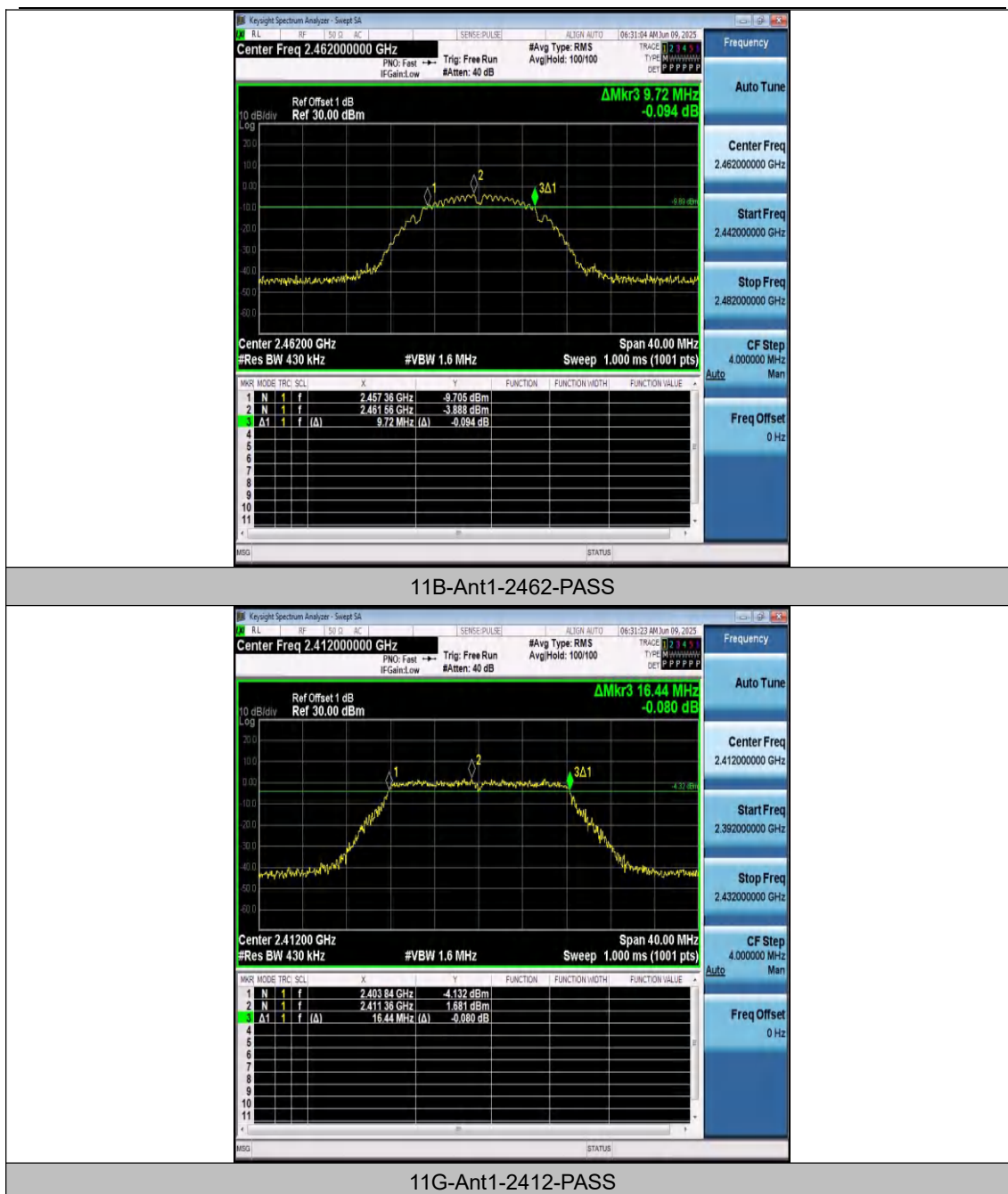
Appendix A: 6dB Bandwidth

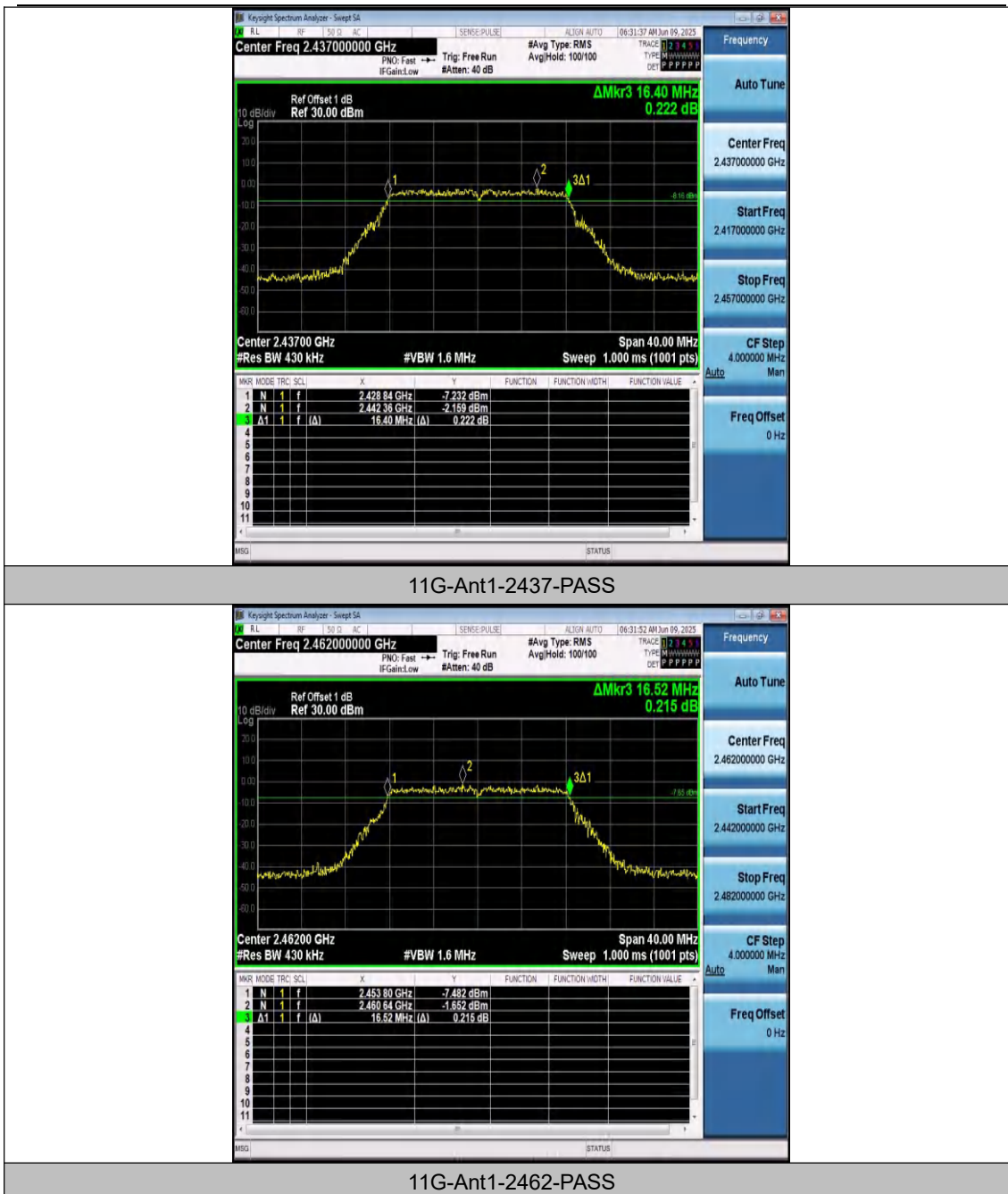
Test Result

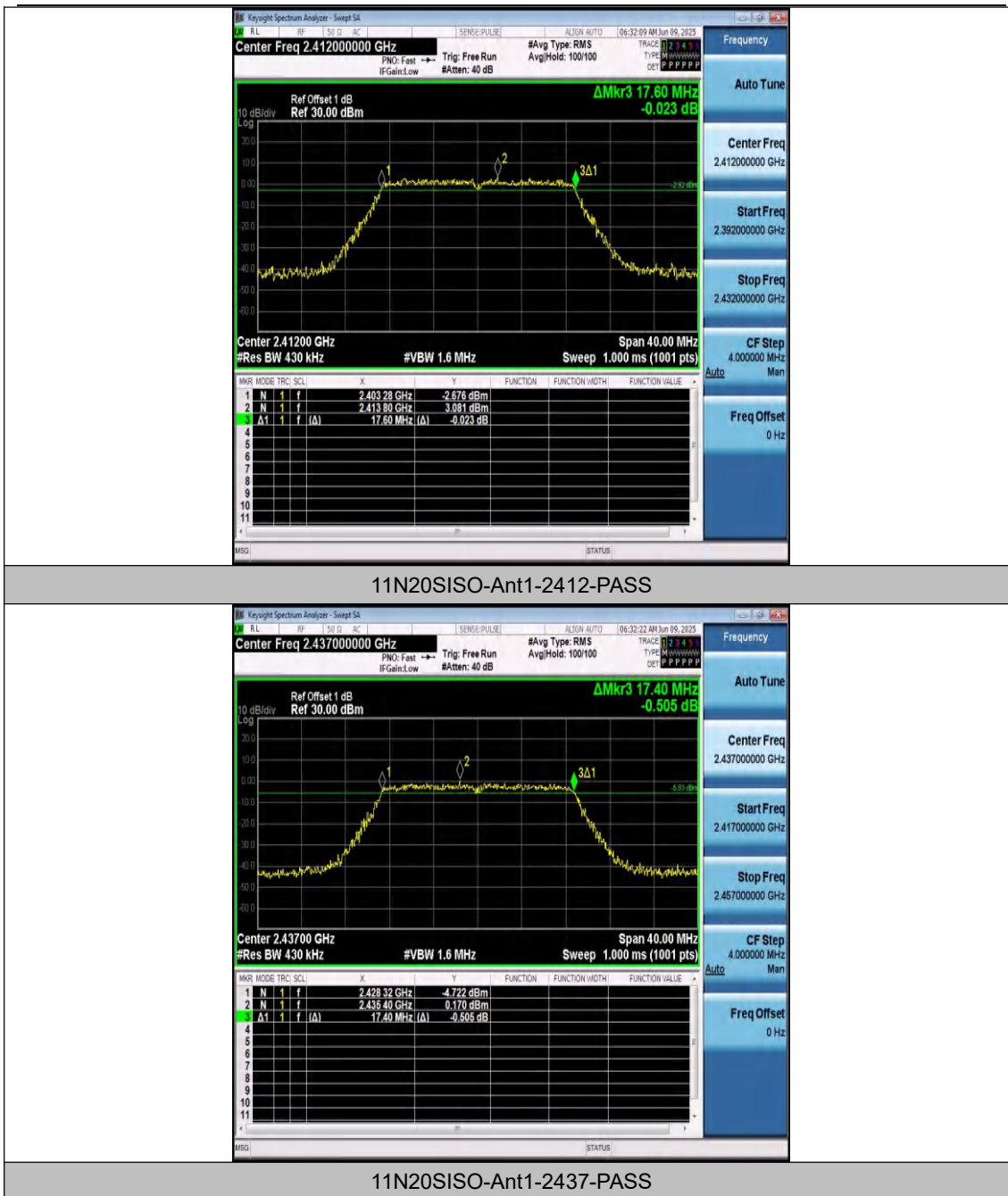
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.360	2407.320	2416.680	0.5	PASS
11B	Ant1	2437	10.000	2432.040	2442.040	0.5	PASS
11B	Ant1	2462	9.720	2457.360	2467.080	0.5	PASS
11G	Ant1	2412	16.440	2403.840	2420.280	0.5	PASS
11G	Ant1	2437	16.400	2428.840	2445.240	0.5	PASS
11G	Ant1	2462	16.520	2453.800	2470.320	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.280	2420.880	0.5	PASS
11N20SISO	Ant1	2437	17.400	2428.320	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.720	2453.200	2470.920	0.5	PASS
11N40SISO	Ant1	2422	36.000	2404.080	2440.080	0.5	PASS
11N40SISO	Ant1	2437	36.160	2419.000	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.000	2434.080	2470.080	0.5	PASS

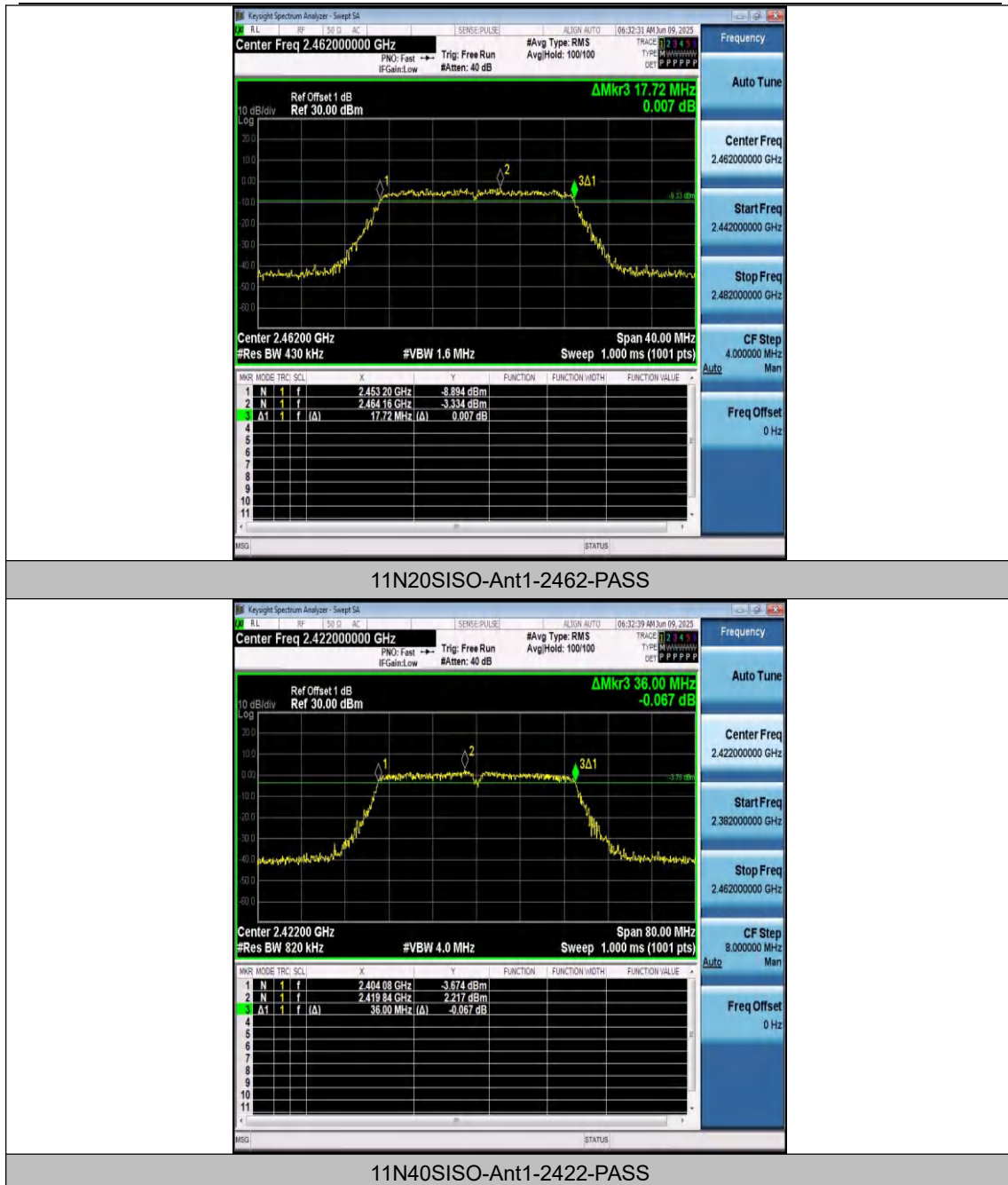
Test Graphs

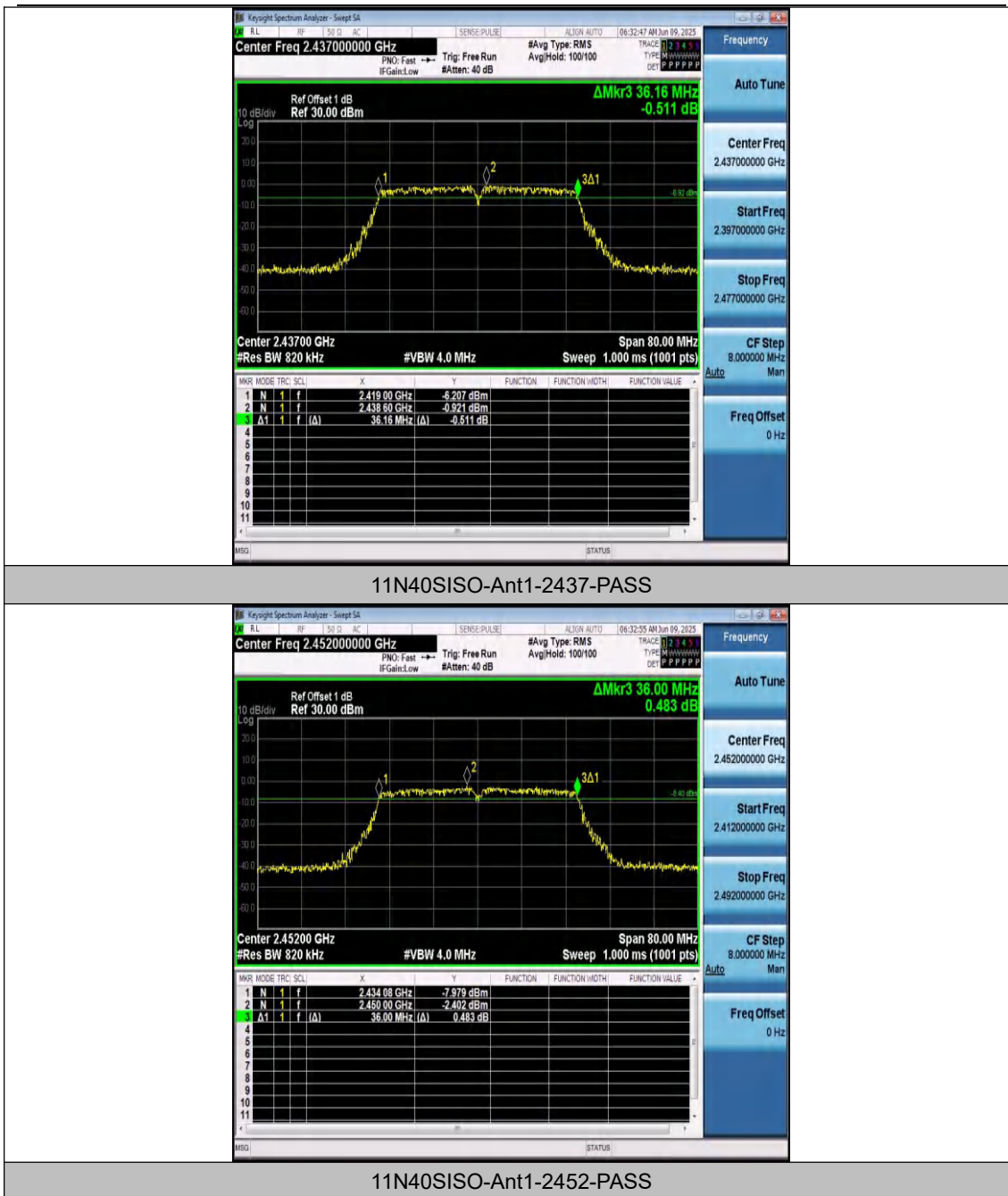












Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.051	2405.5027	2418.5537	---	---
11B	Ant1	2437	13.030	2430.4893	2443.5193	---	---
11B	Ant1	2462	13.026	2455.5573	2468.5833	---	---
11G	Ant1	2412	16.616	2403.7714	2420.3874	---	---
11G	Ant1	2437	16.603	2428.7111	2445.3141	---	---
11G	Ant1	2462	16.691	2453.7398	2470.4308	---	---
11N20SISO	Ant1	2412	17.450	2403.3004	2420.7504	---	---
11N20SISO	Ant1	2437	17.446	2428.2828	2445.7288	---	---
11N20SISO	Ant1	2462	17.443	2453.3349	2470.7779	---	---
11N40SISO	Ant1	2422	35.894	2404.0376	2439.9316	---	---
11N40SISO	Ant1	2437	36.013	2418.9854	2454.9984	---	---
11N40SISO	Ant1	2452	35.993	2434.0559	2470.0489	---	---



Test Graphs

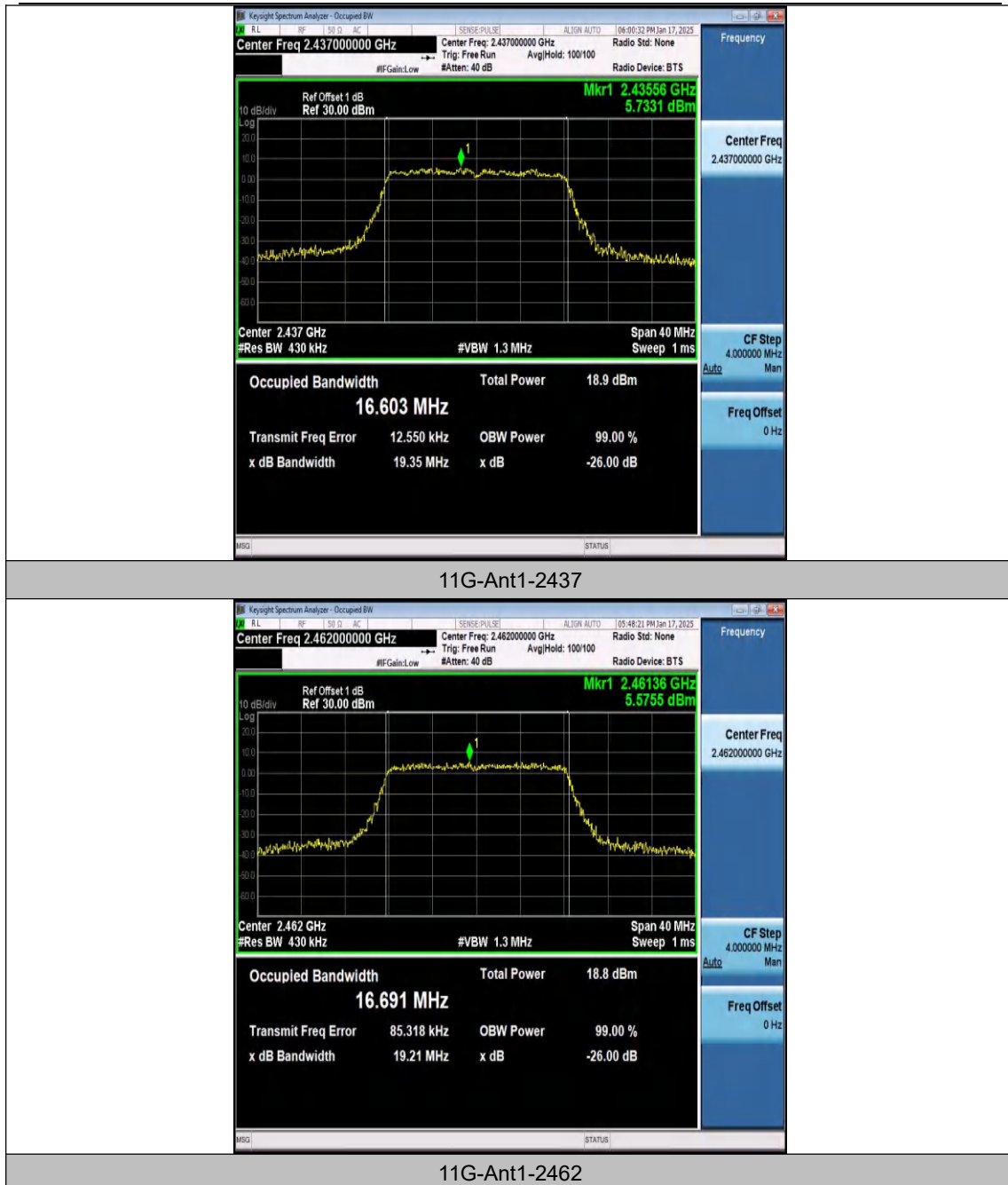


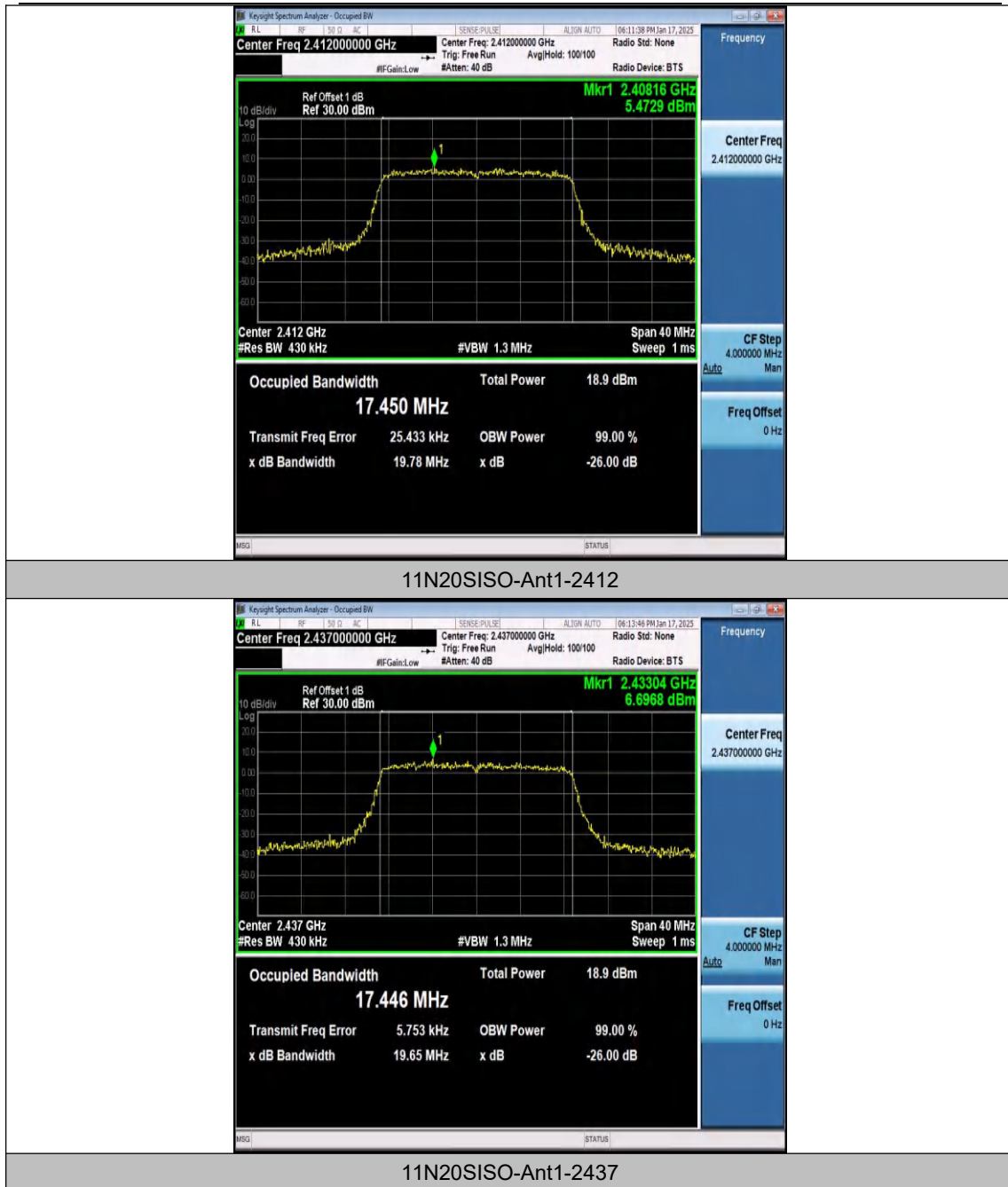
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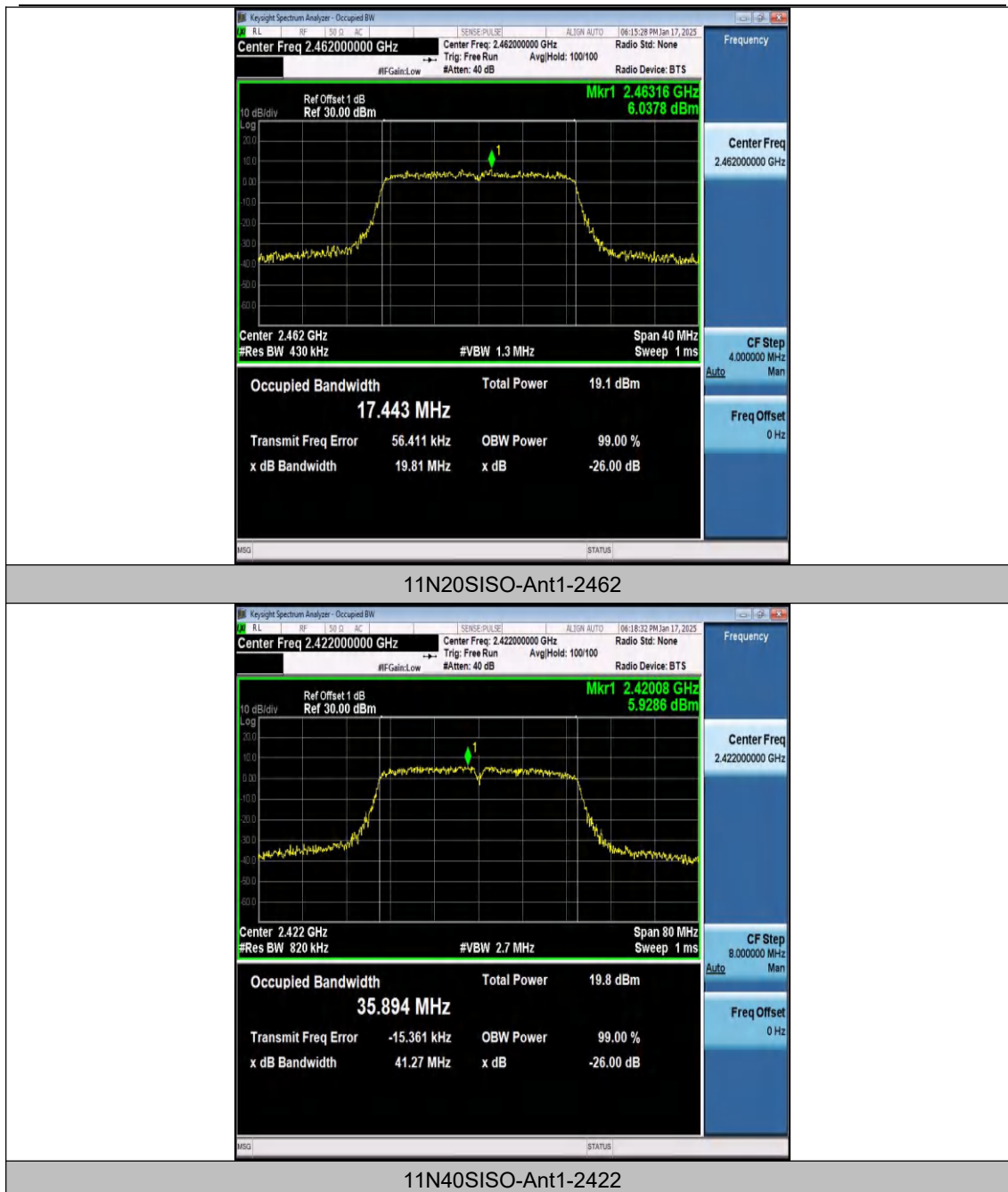
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

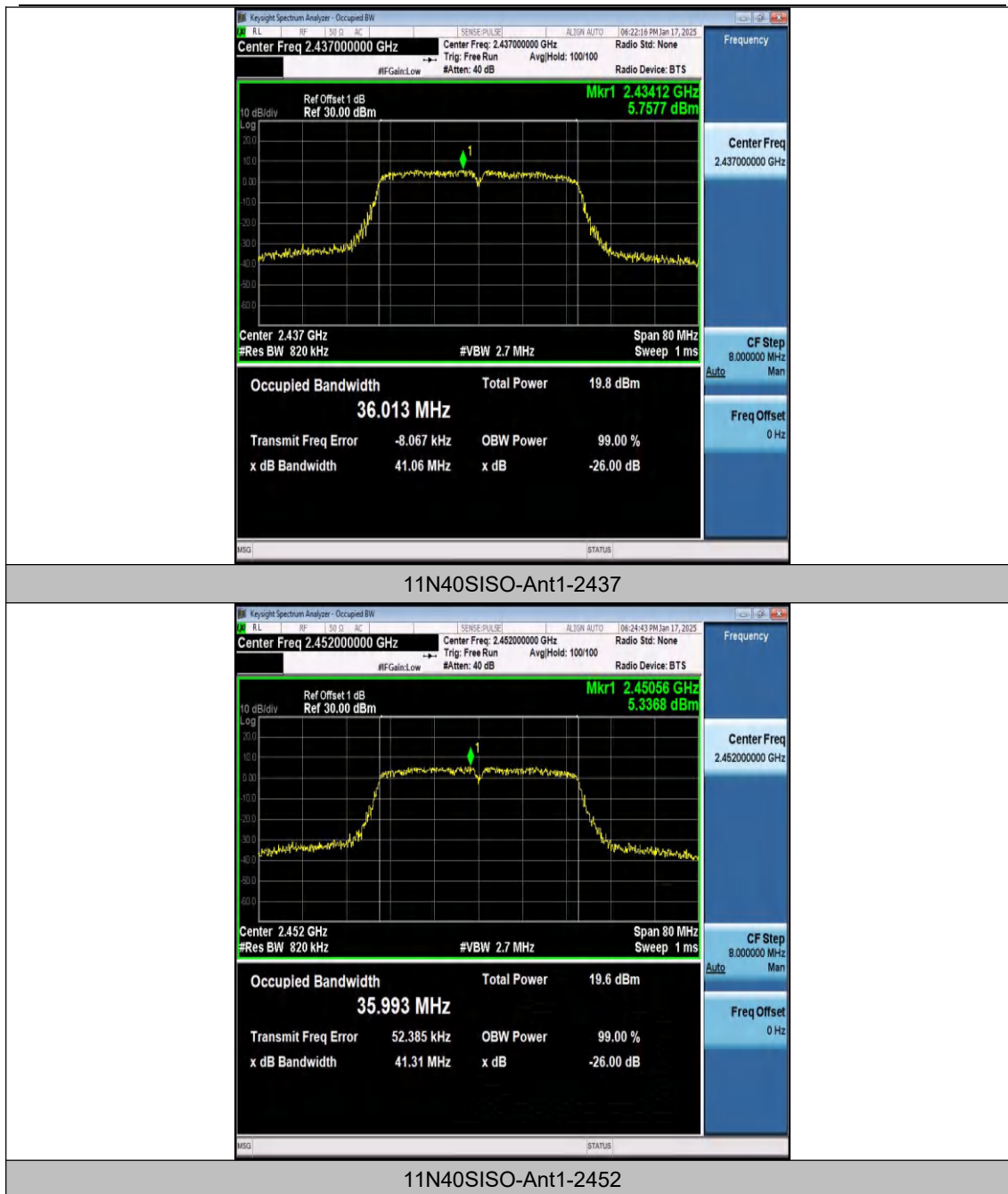
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Appendix C: Maximum output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	11.85	32.34	4.89	16.74	≤30.00	PASS
11B	Ant1	2437	11.49	32.97	4.82	16.31	≤30.00	PASS
11B	Ant1	2462	11.22	32.79	4.84	16.06	≤30.00	PASS
11G	Ant1	2412	8.98	32.04	4.94	13.92	≤30.00	PASS
11G	Ant1	2437	9.10	32.60	4.87	13.97	≤30.00	PASS
11G	Ant1	2462	8.69	32.04	4.94	13.63	≤30.00	PASS
11N20SISO	Ant1	2412	8.89	31.67	4.99	13.88	≤30.00	PASS
11N20SISO	Ant1	2437	8.92	31.28	5.05	13.97	≤30.00	PASS
11N20SISO	Ant1	2462	8.57	31.67	4.99	13.56	≤30.00	PASS
11N40SISO	Ant1	2422	9.11	32.42	4.89	14.00	≤30.00	PASS
11N40SISO	Ant1	2437	8.85	31.87	4.97	13.82	≤30.00	PASS
11N40SISO	Ant1	2452	8.43	32.04	4.94	13.37	≤30.00	PASS

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

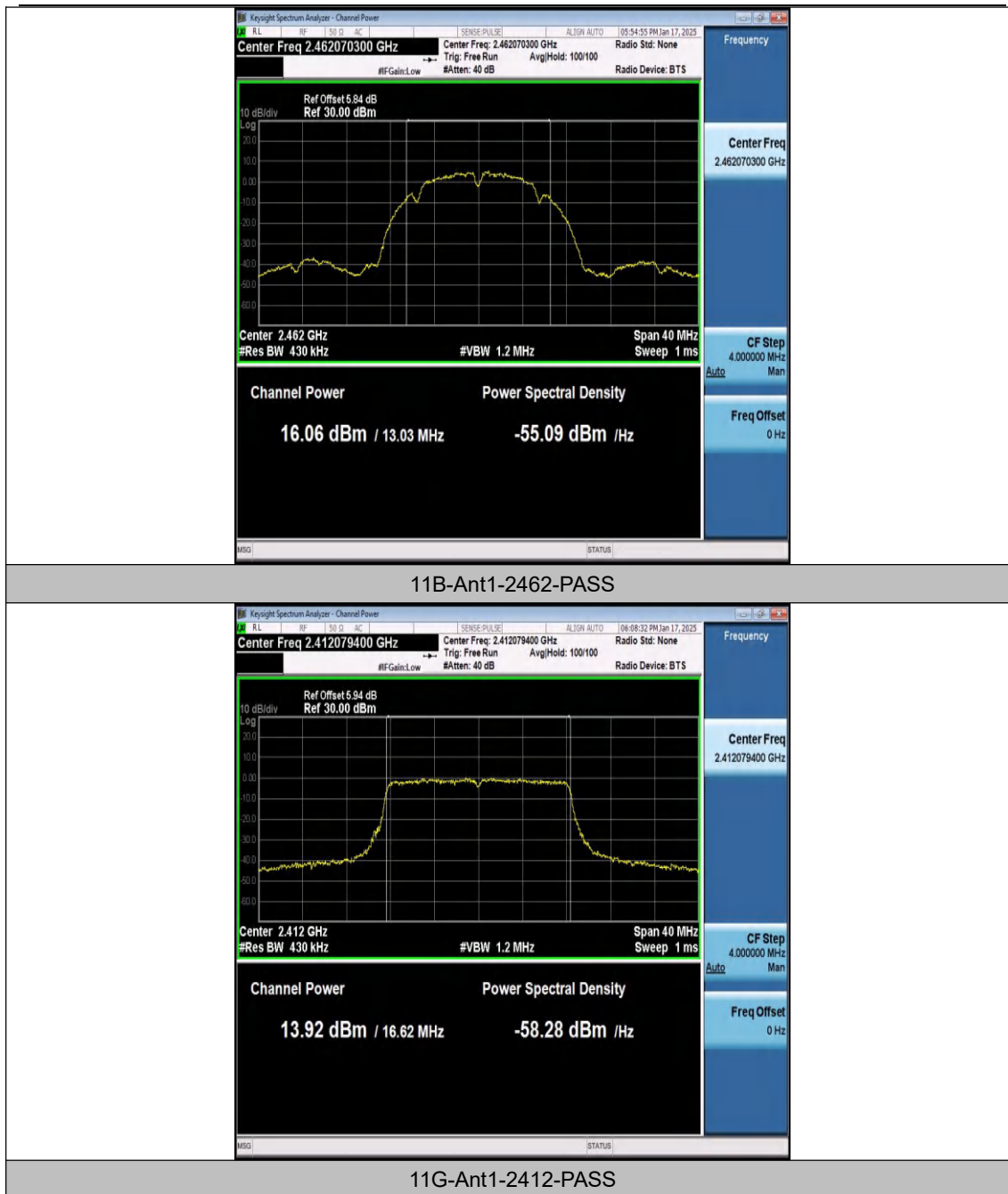
Test Graphs Average

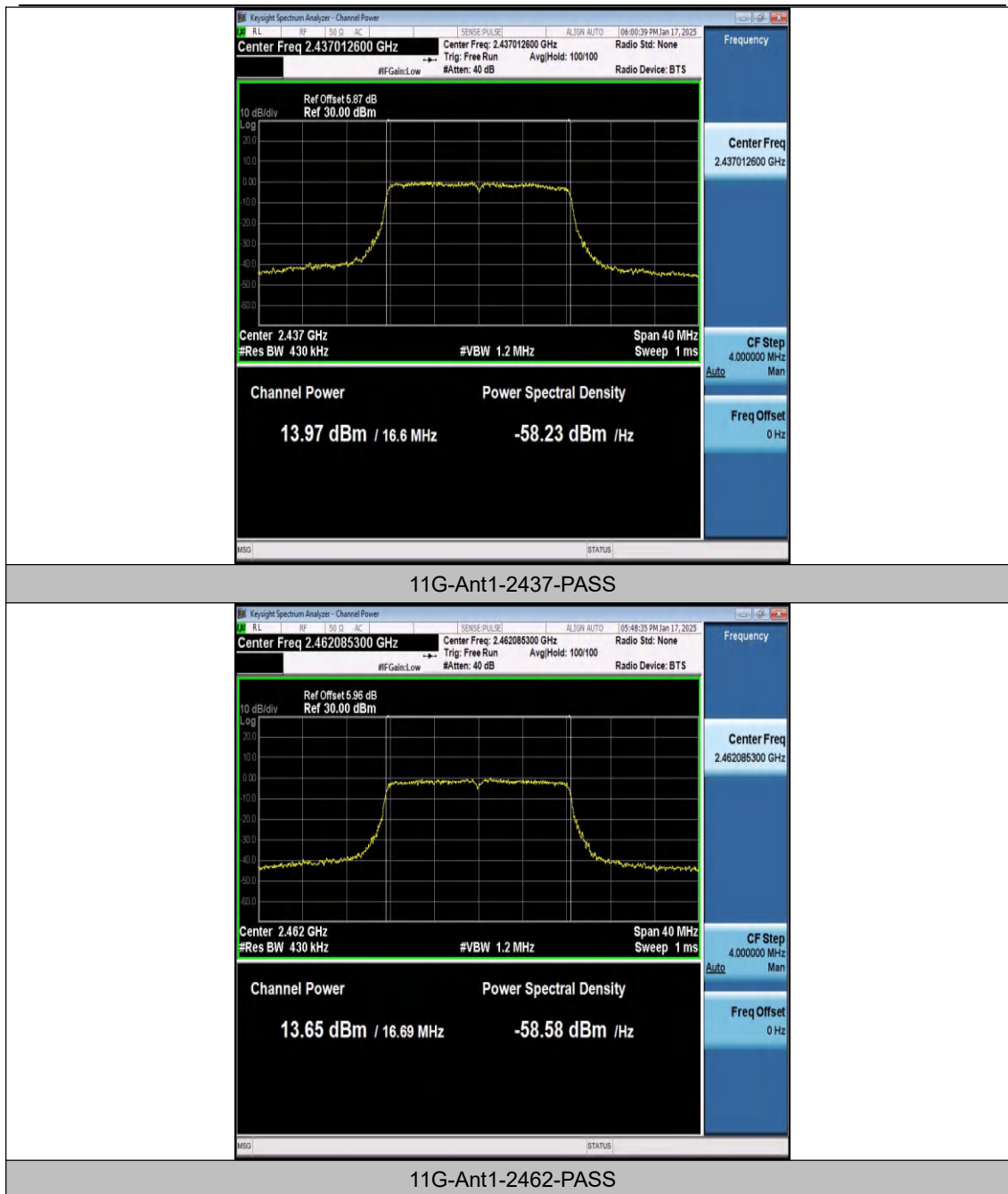


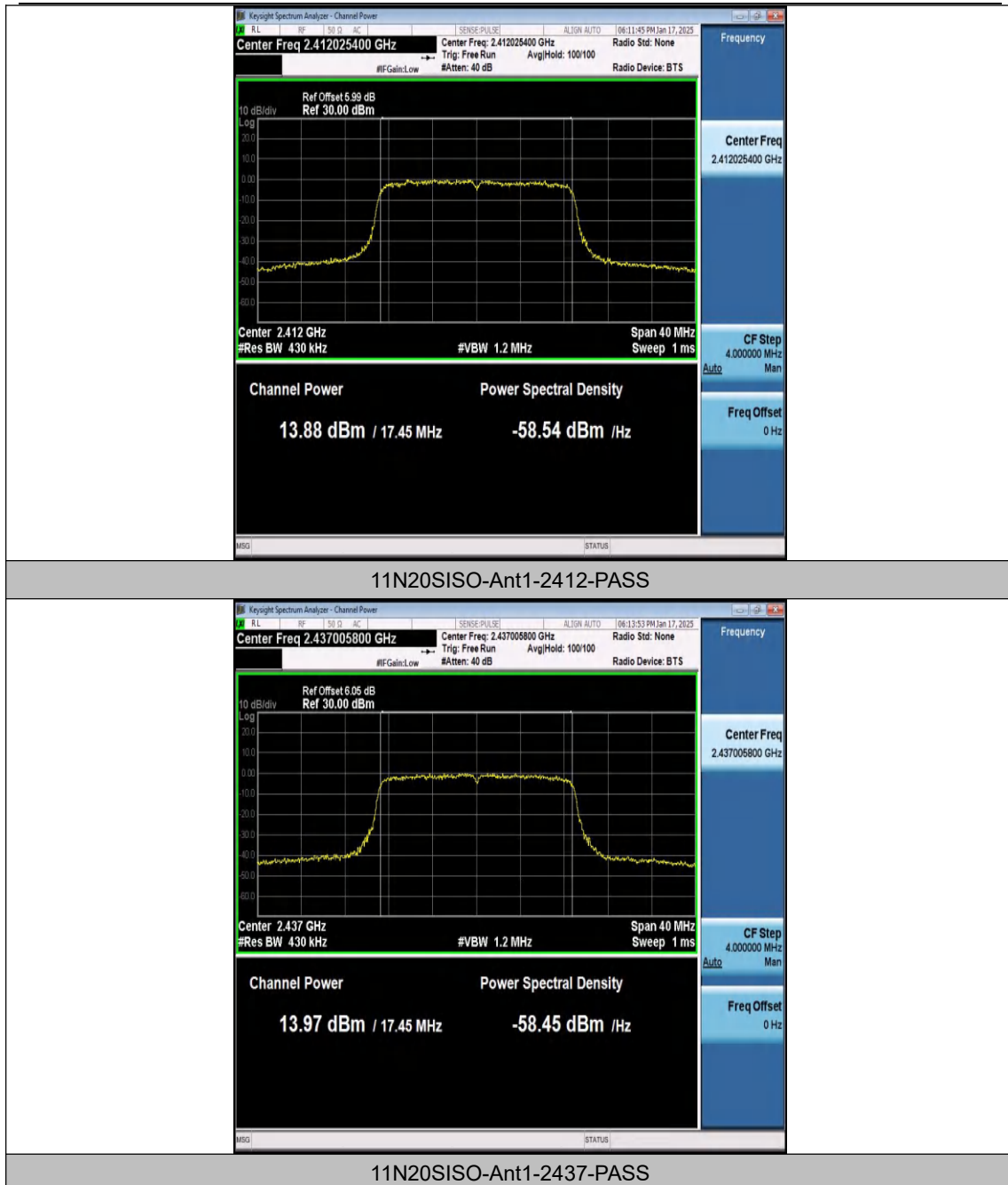
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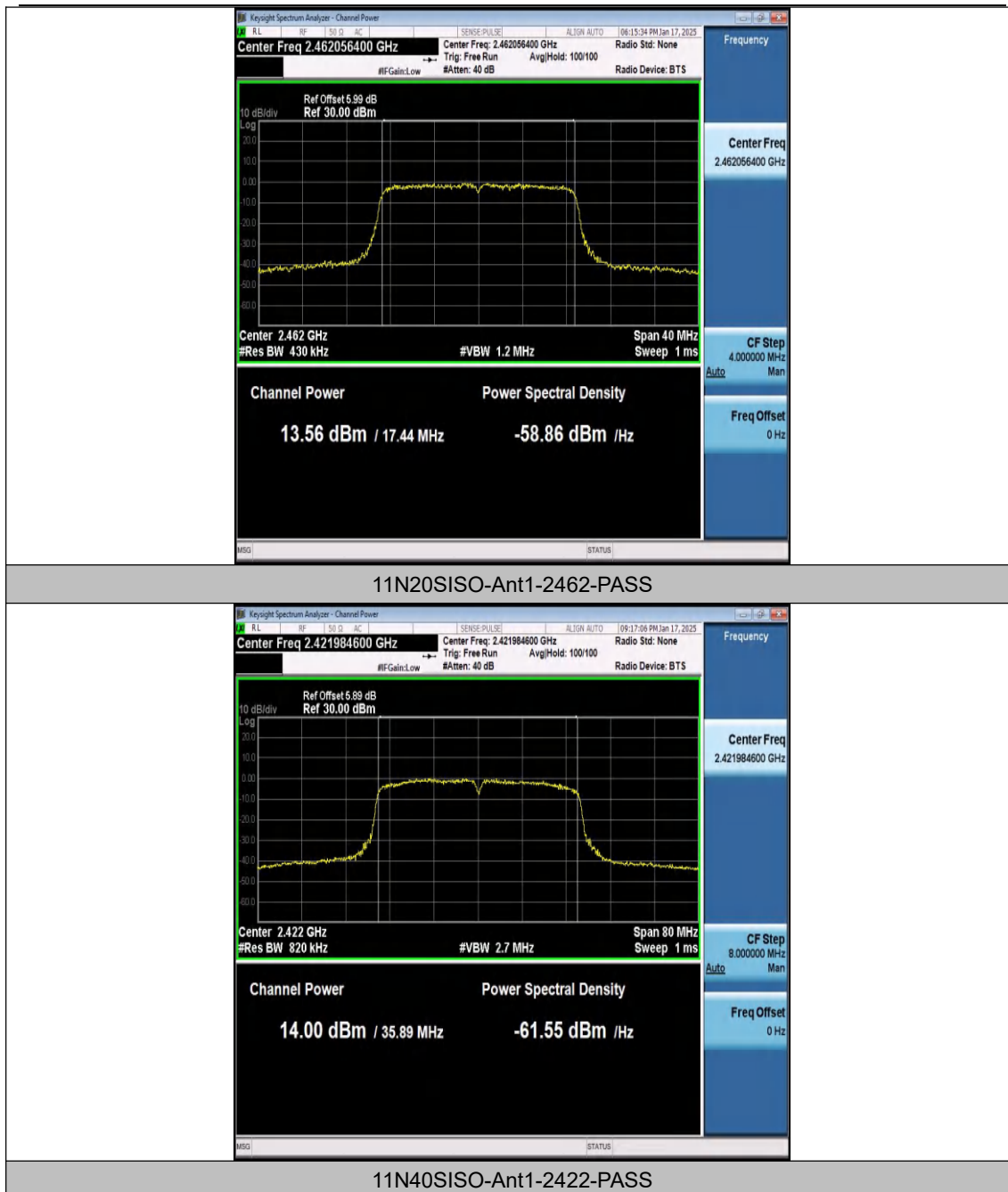
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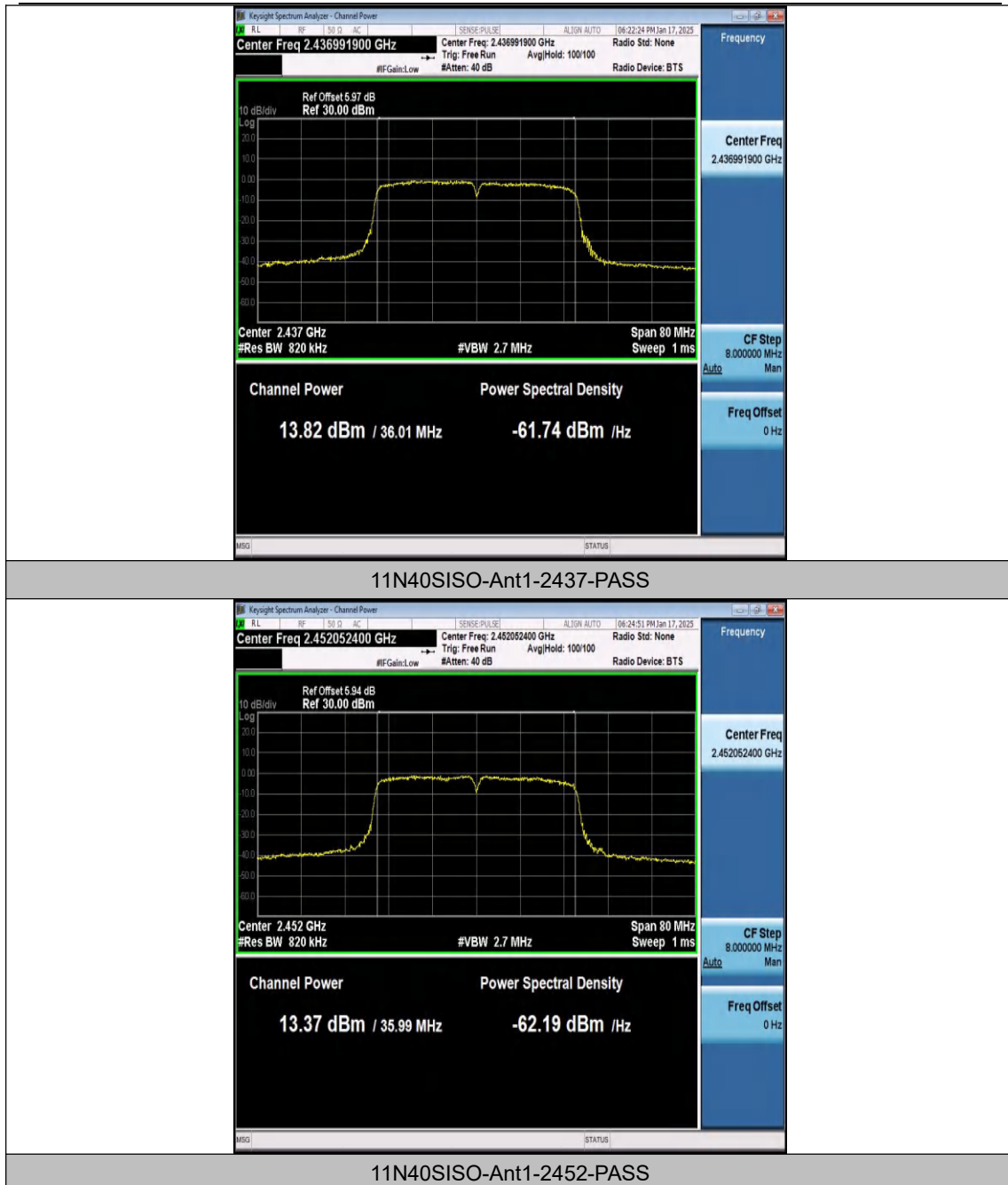
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Appendix D: Maximum power spectral density

Test Result

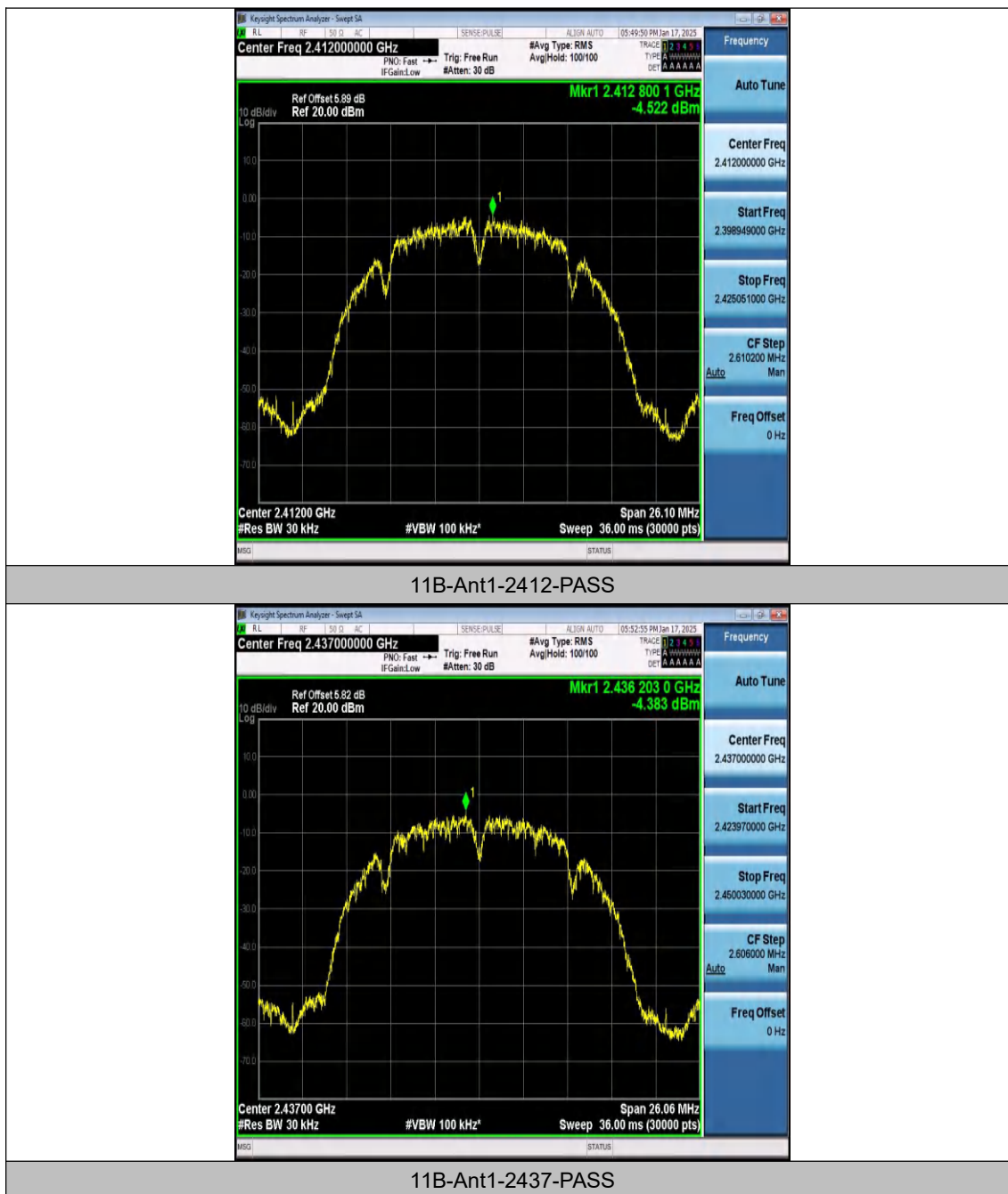
Test Mode	Antenna	Frequency[MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-4.52	-14.52	≤8.00	PASS
11B	Ant1	2437	-4.38	-14.38	≤8.00	PASS
11B	Ant1	2462	-3.84	-13.84	≤8.00	PASS
11G	Ant1	2412	-8.67	-18.67	≤8.00	PASS
11G	Ant1	2437	-7.91	-17.91	≤8.00	PASS
11G	Ant1	2462	-8.56	-18.56	≤8.00	PASS
11N20SISO	Ant1	2412	-7.75	-17.75	≤8.00	PASS
11N20SISO	Ant1	2437	-8.46	-18.46	≤8.00	PASS
11N20SISO	Ant1	2462	-8.80	-18.8	≤8.00	PASS
11N40SISO	Ant1	2422	-10.32	-20.32	≤8.00	PASS
11N40SISO	Ant1	2437	-12.19	-22.19	≤8.00	PASS
11N40SISO	Ant1	2452	-12.24	-22.24	≤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

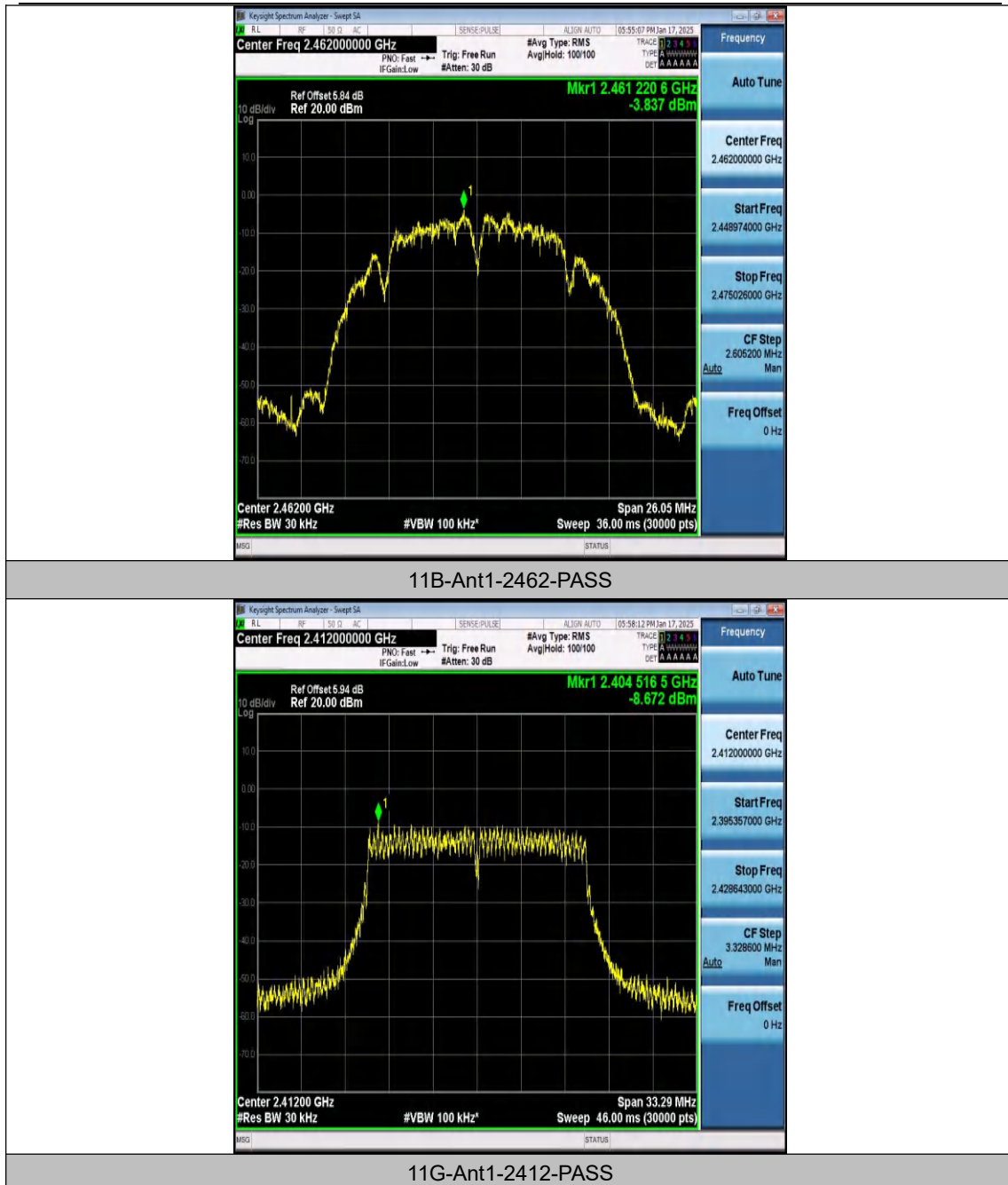


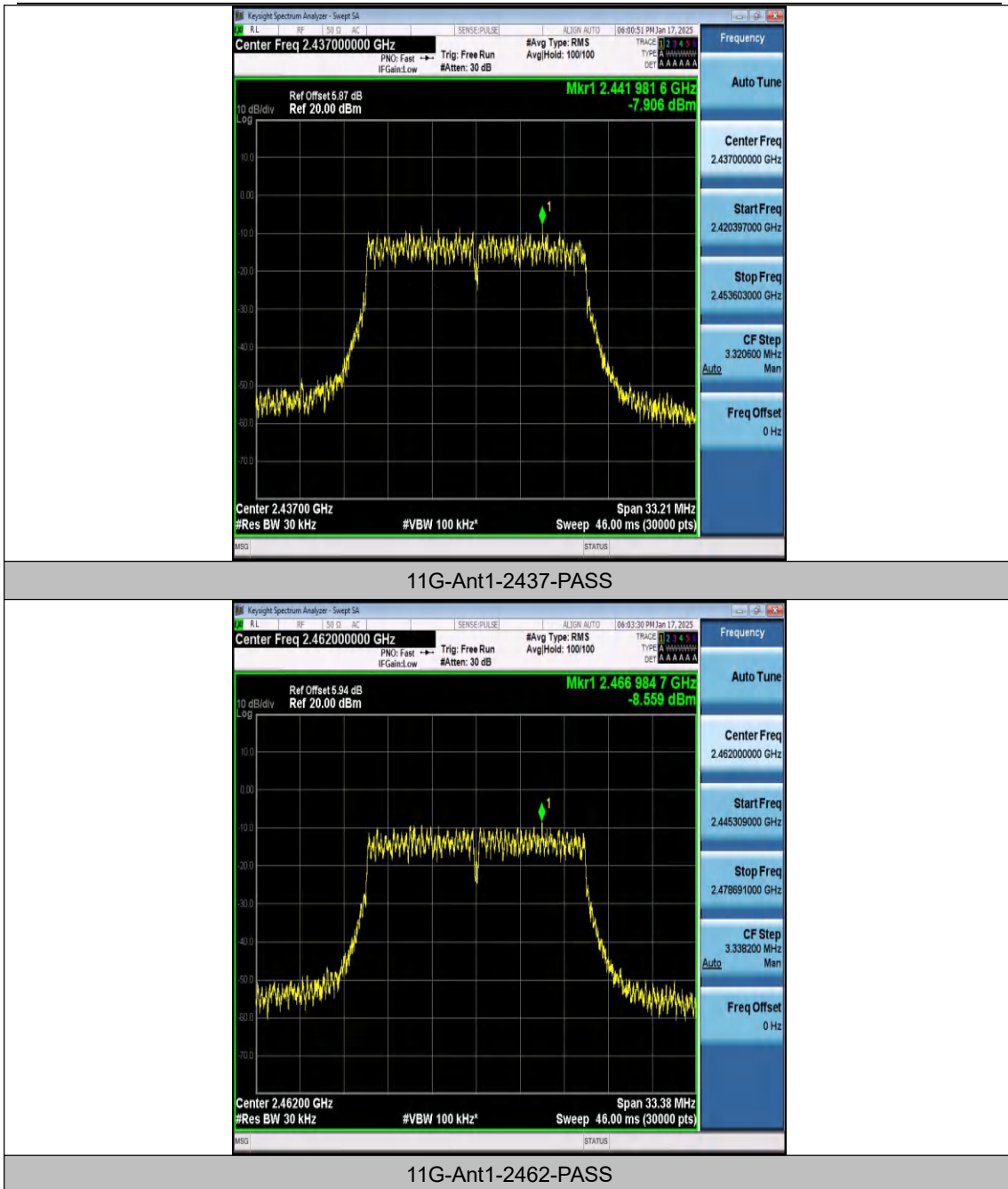
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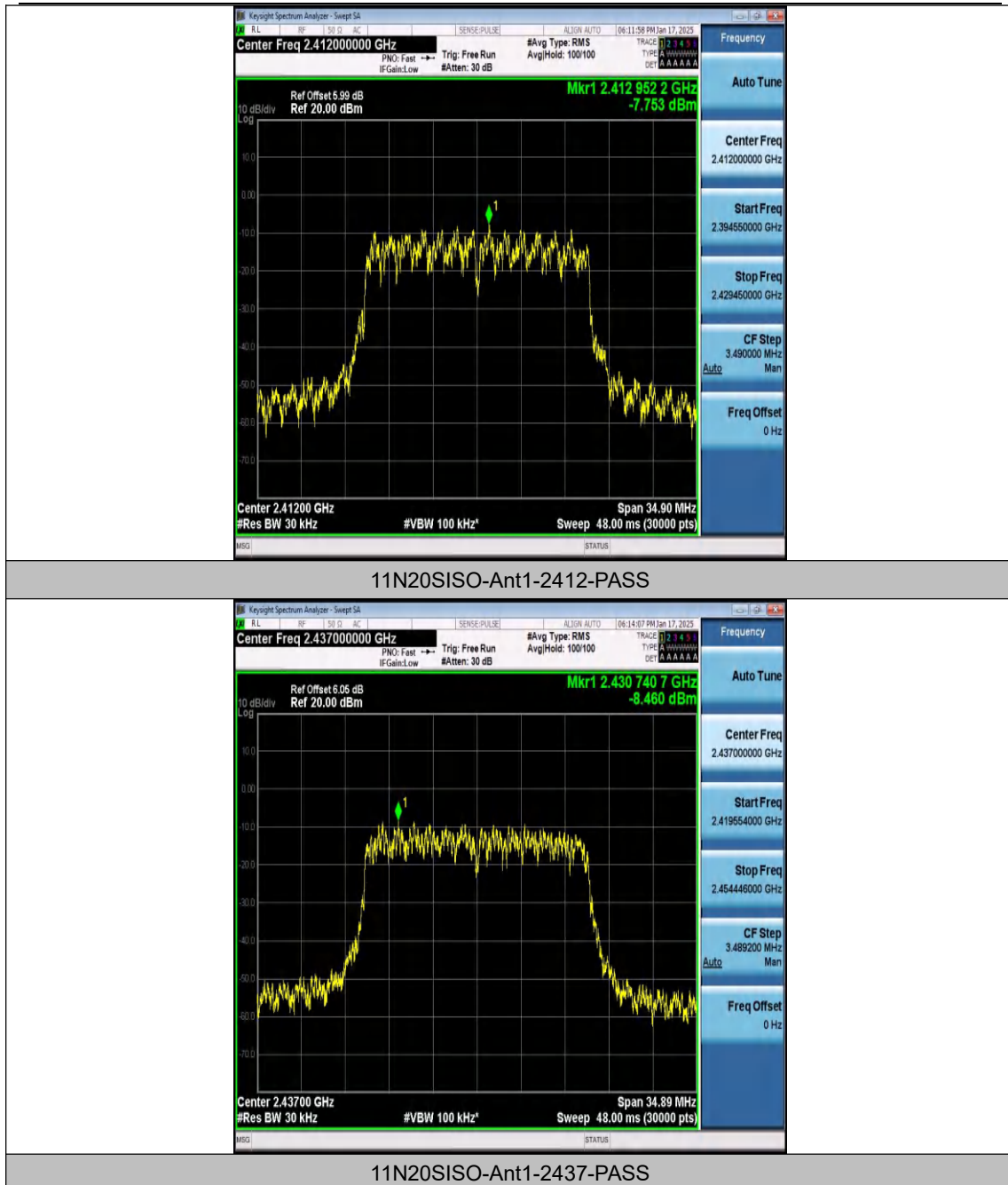




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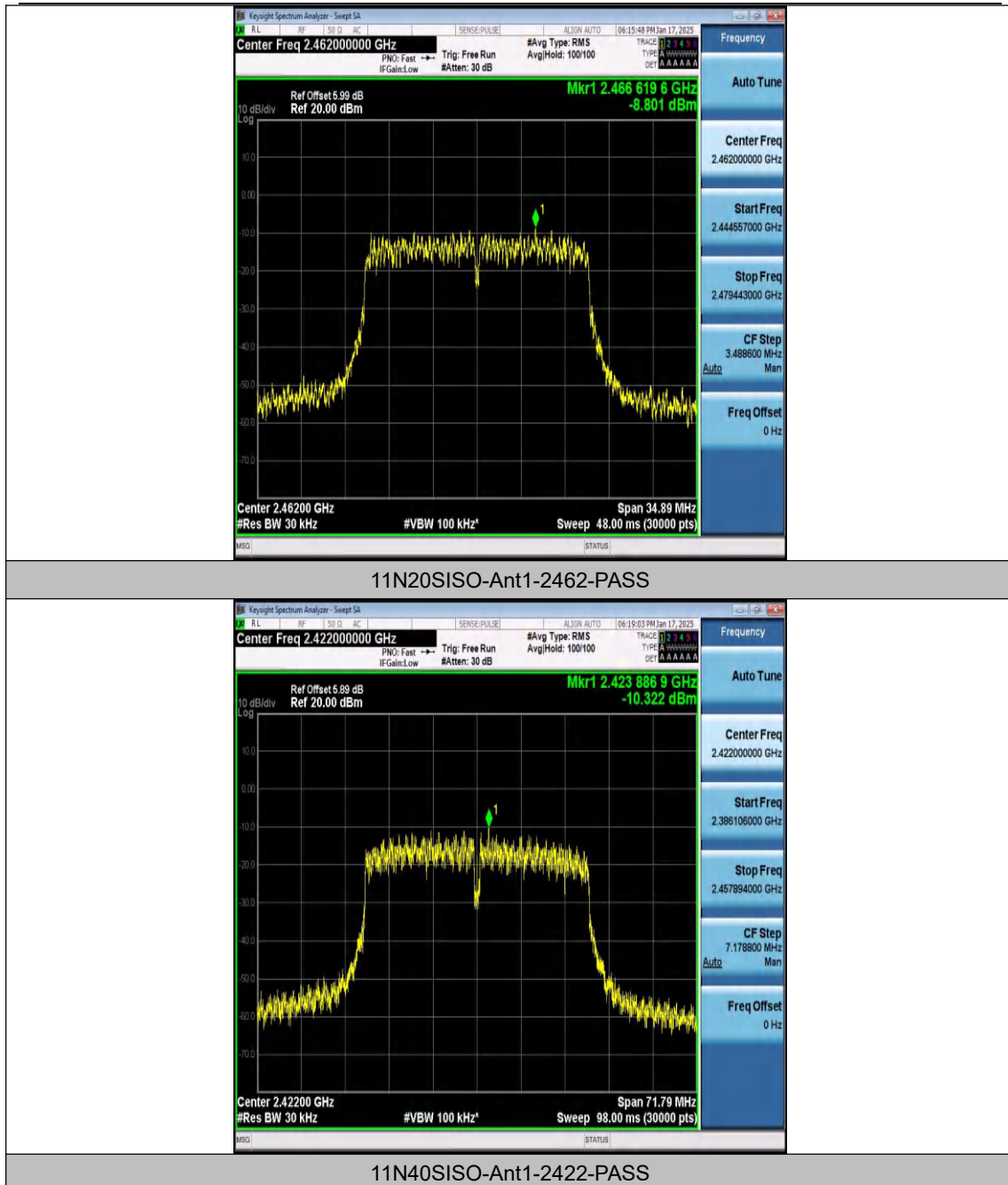


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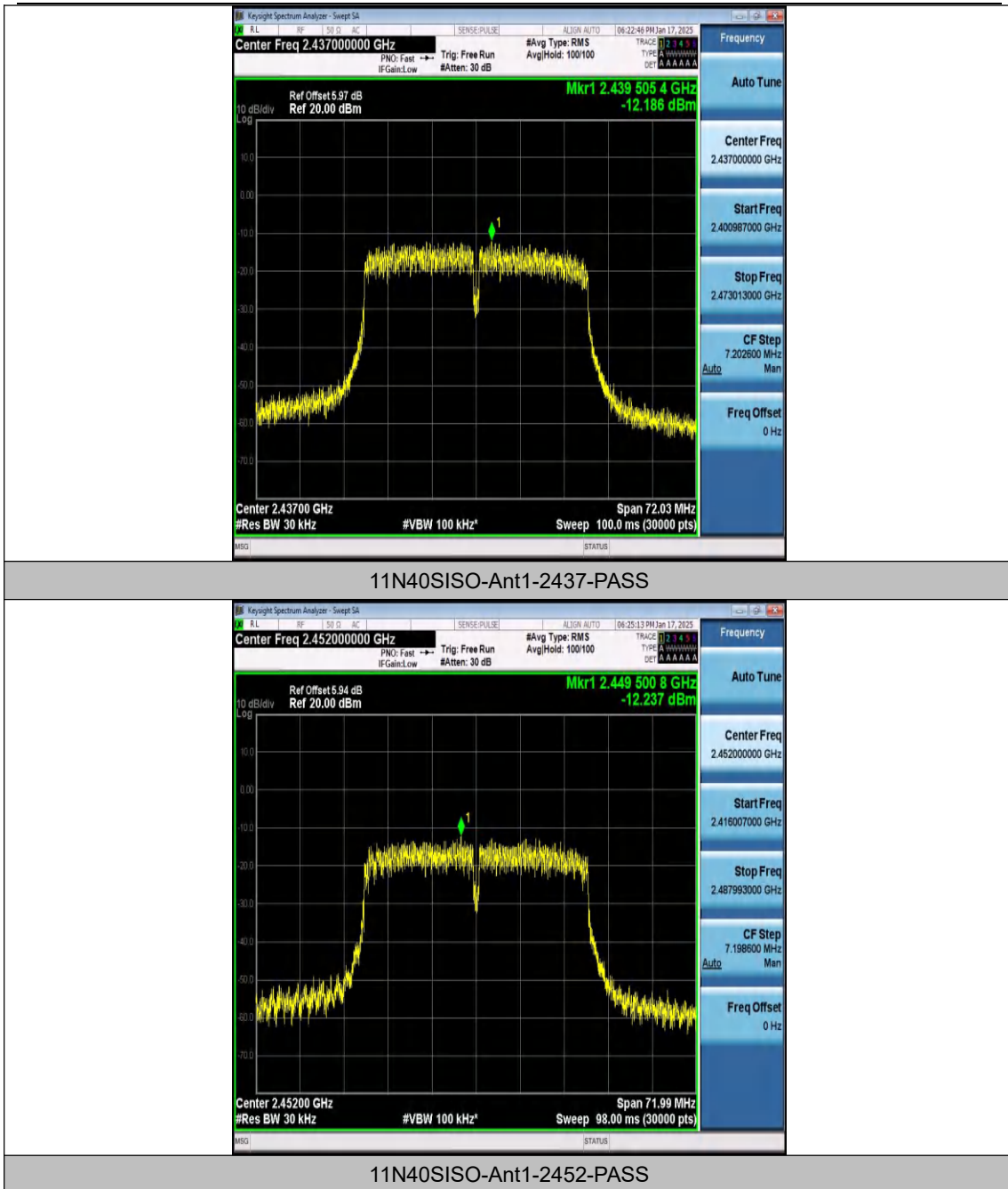


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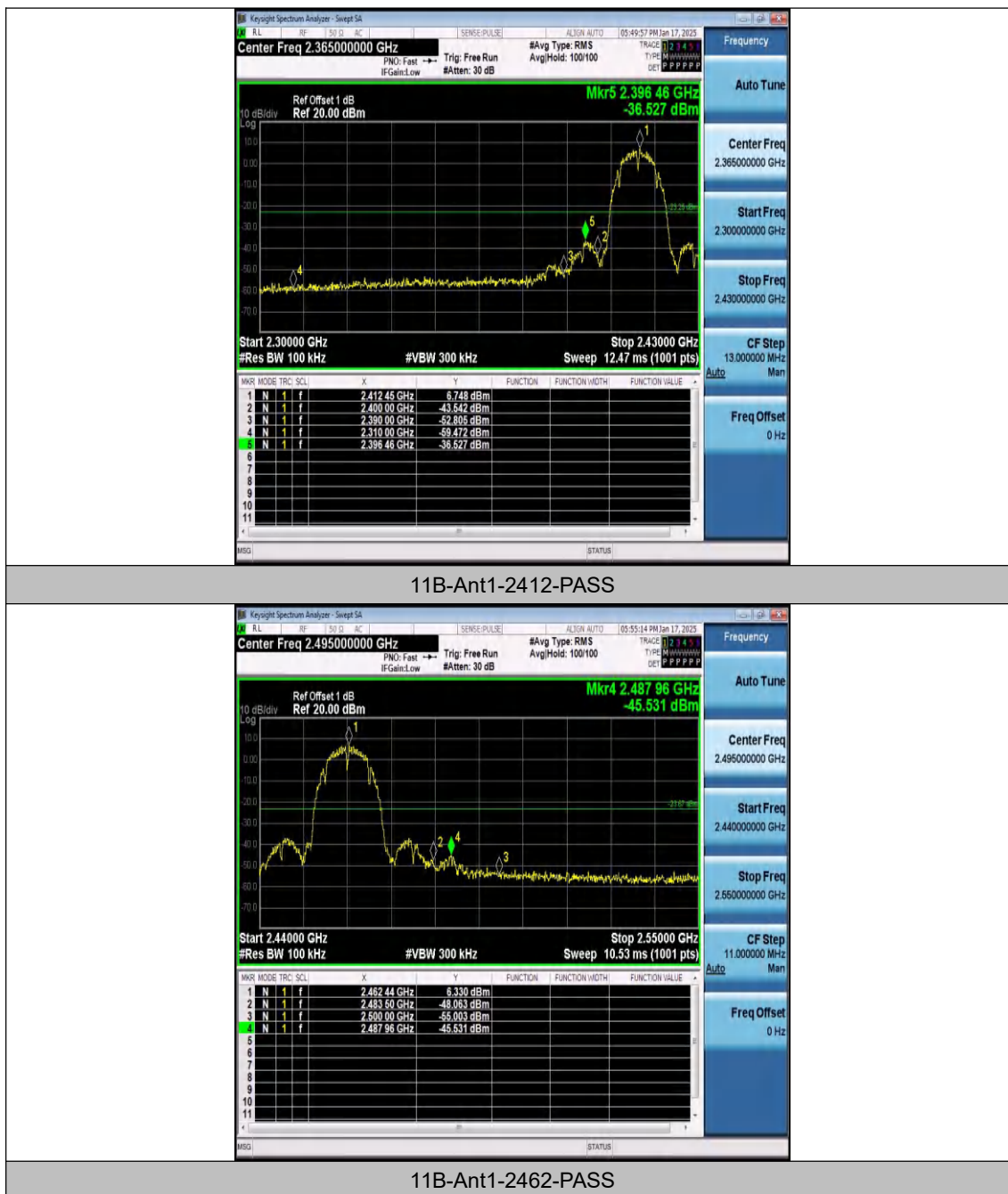
Appendix E: Conducted Band edge

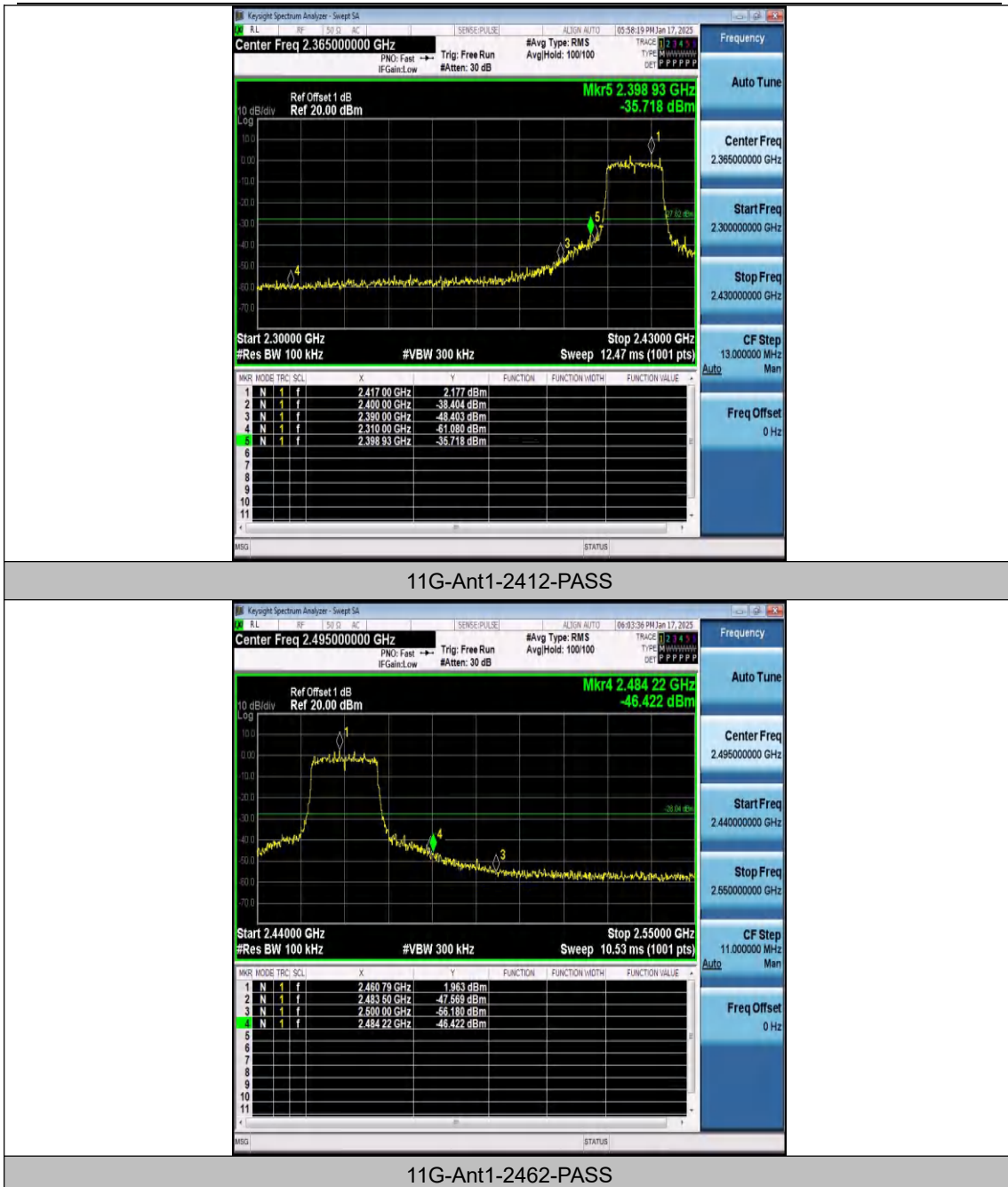
Test Result

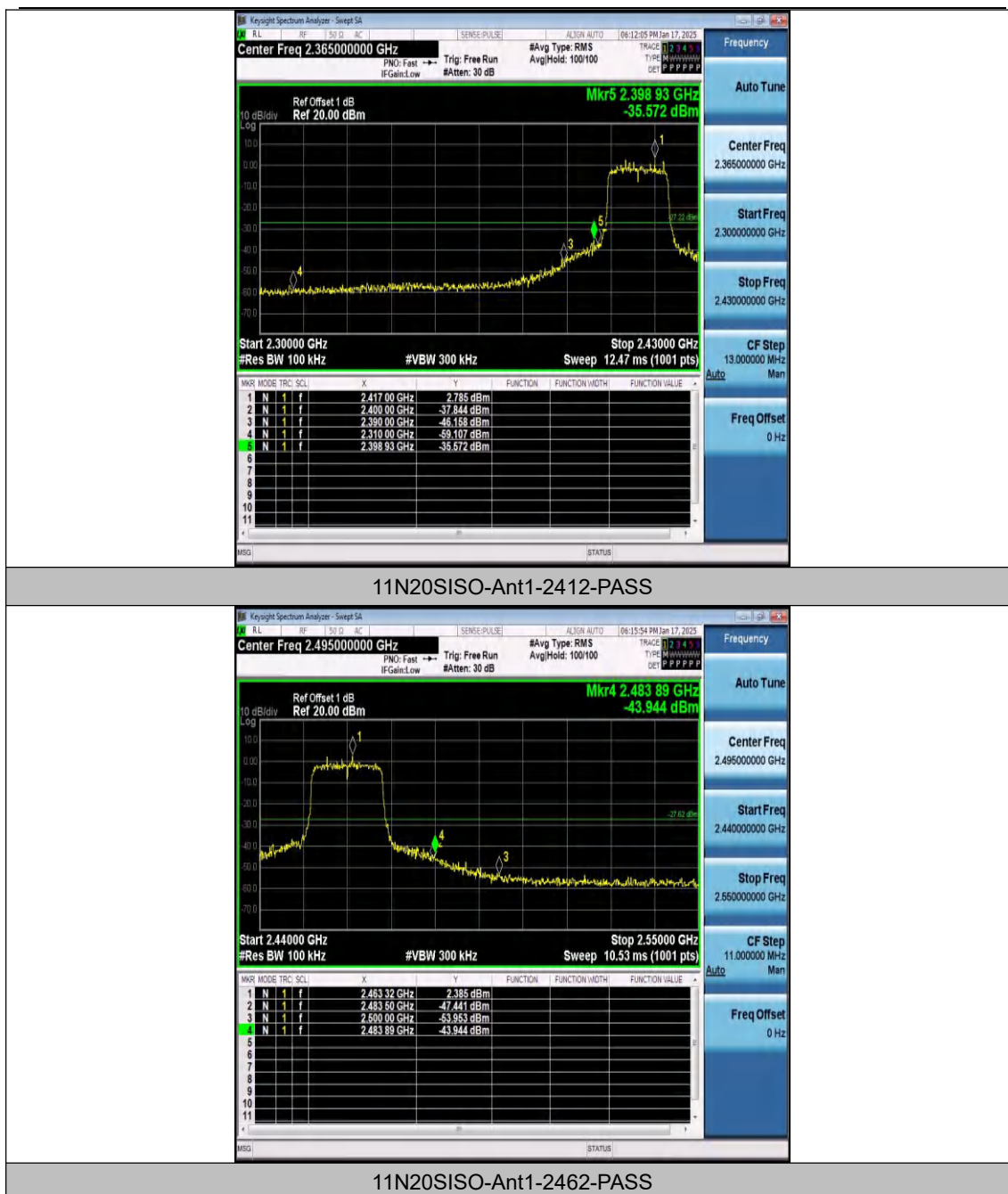
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.75	-36.53	≤-23.25	PASS
11B	Ant1	High	2462	6.33	-45.53	≤-23.67	PASS
11G	Ant1	Low	2412	2.18	-35.72	≤-27.82	PASS
11G	Ant1	High	2462	1.96	-46.42	≤-28.04	PASS
11N20SISO	Ant1	Low	2412	2.79	-35.57	≤-27.22	PASS
11N20SISO	Ant1	High	2462	2.39	-43.94	≤-27.62	PASS
11N40SISO	Ant1	Low	2422	-0.08	-33.56	≤-30.08	PASS
11N40SISO	Ant1	High	2452	-0.39	-41.44	≤-30.39	PASS

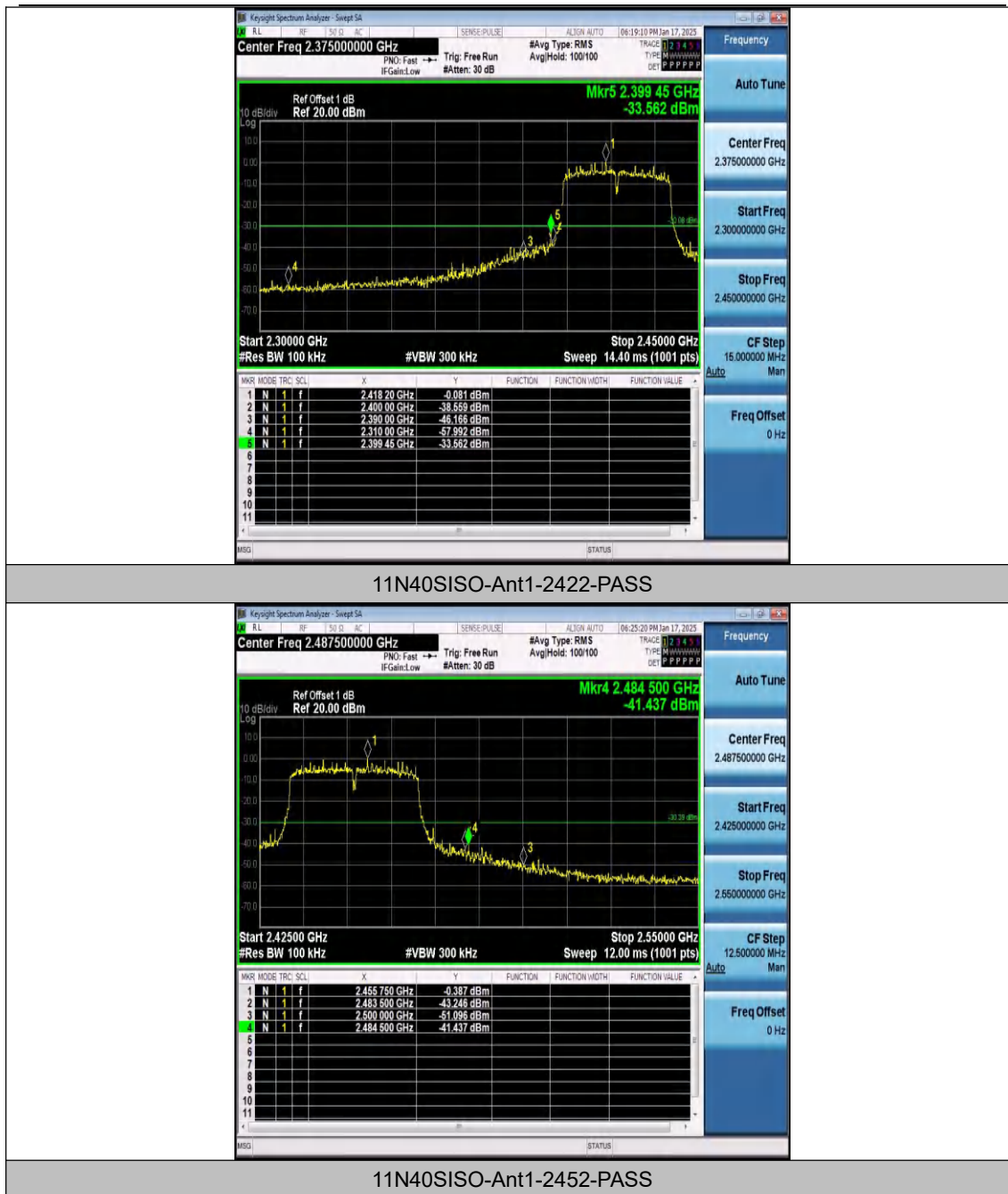


Test Graphs









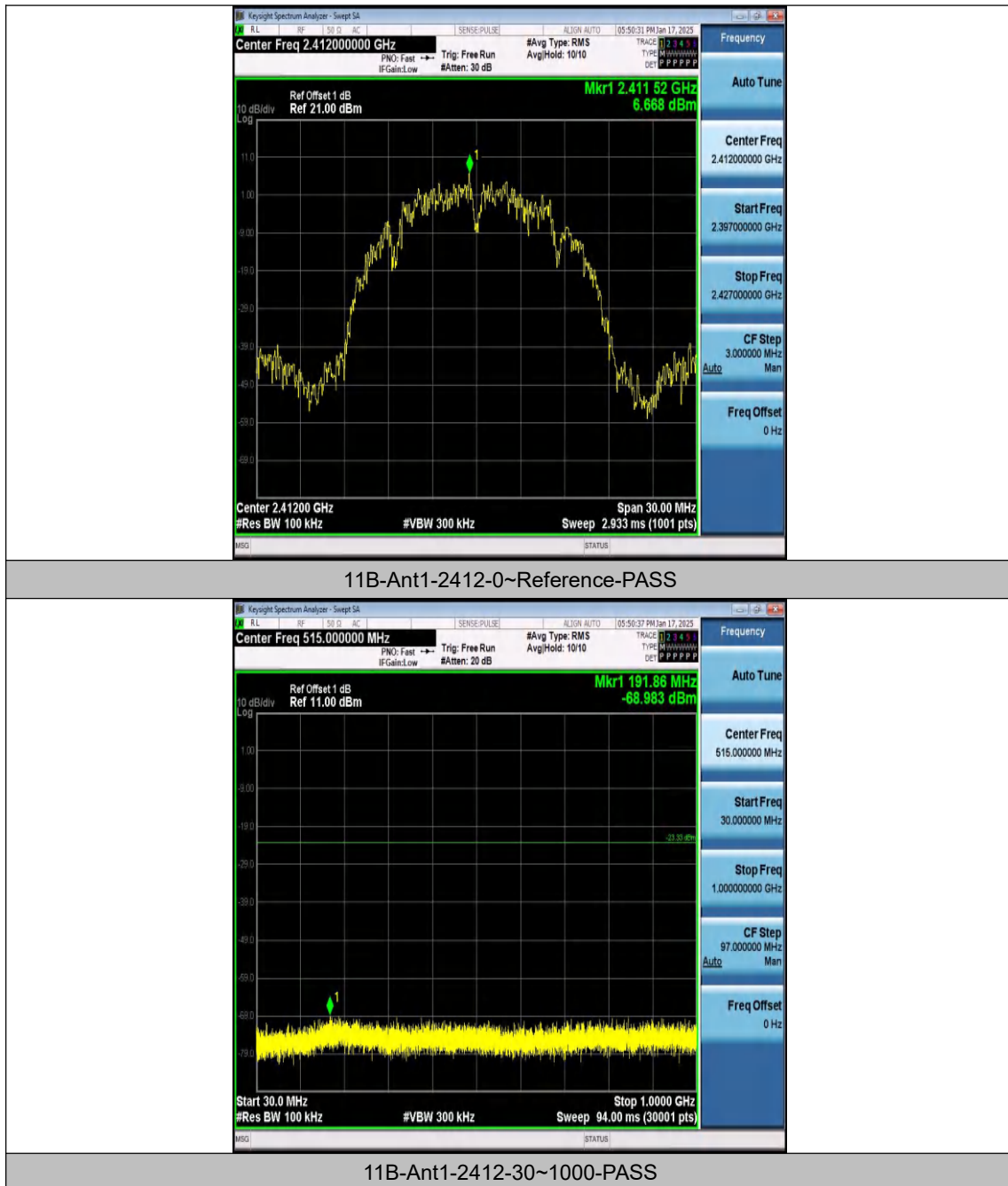
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.67	6.67	---	PASS
11B	Ant1	2412	30~1000	6.67	-68.98	≤-23.33	PASS
11B	Ant1	2412	1000~26500	6.67	-53.59	≤-23.33	PASS
11B	Ant1	2437	0~Reference	5.07	5.07	---	PASS
11B	Ant1	2437	30~1000	5.07	-68.4	≤-24.93	PASS
11B	Ant1	2437	1000~26500	5.07	-53.38	≤-24.93	PASS
11B	Ant1	2462	0~Reference	5.79	5.79	---	PASS
11B	Ant1	2462	30~1000	5.79	-68.66	≤-24.21	PASS
11B	Ant1	2462	1000~26500	5.79	-52.75	≤-24.21	PASS
11G	Ant1	2412	0~Reference	1.89	1.89	---	PASS
11G	Ant1	2412	30~1000	1.89	-67.95	≤-28.11	PASS
11G	Ant1	2412	1000~26500	1.89	-53.82	≤-28.11	PASS
11G	Ant1	2437	0~Reference	-0.40	-0.40	---	PASS
11G	Ant1	2437	30~1000	-0.40	-68.39	≤-30.4	PASS
11G	Ant1	2437	1000~26500	-0.40	-54.29	≤-30.4	PASS
11G	Ant1	2462	0~Reference	0.27	0.27	---	PASS
11G	Ant1	2462	30~1000	0.27	-68.19	≤-29.73	PASS
11G	Ant1	2462	1000~26500	0.27	-52.79	≤-29.73	PASS
11N20SISO	Ant1	2412	0~Reference	0.79	0.79	---	PASS
11N20SISO	Ant1	2412	30~1000	0.79	-68.74	≤-29.21	PASS
11N20SISO	Ant1	2412	1000~26500	0.79	-53.25	≤-29.21	PASS
11N20SISO	Ant1	2437	0~Reference	0.40	0.40	---	PASS
11N20SISO	Ant1	2437	30~1000	0.40	-67.81	≤-29.6	PASS
11N20SISO	Ant1	2437	1000~26500	0.40	-53.45	≤-29.6	PASS
11N20SISO	Ant1	2462	0~Reference	1.12	1.12	---	PASS
11N20SISO	Ant1	2462	30~1000	1.12	-68.52	≤-28.88	PASS
11N20SISO	Ant1	2462	1000~26500	1.12	-52.43	≤-28.88	PASS
11N40SISO	Ant1	2422	0~Reference	0.03	0.03	---	PASS
11N40SISO	Ant1	2422	30~1000	0.03	-58.82	≤-29.97	PASS
11N40SISO	Ant1	2422	1000~26500	0.03	-53.72	≤-29.97	PASS
11N40SISO	Ant1	2437	0~Reference	-0.52	-0.52	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.52	-55.07	≤-30.52	PASS
11N40SISO	Ant1	2437	1000~26500	-0.52	-53.71	≤-30.52	PASS
11N40SISO	Ant1	2452	0~Reference	-1.27	-1.27	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.27	-57.76	≤-31.27	PASS
11N40SISO	Ant1	2452	1000~26500	-1.27	-51.33	≤-31.27	PASS



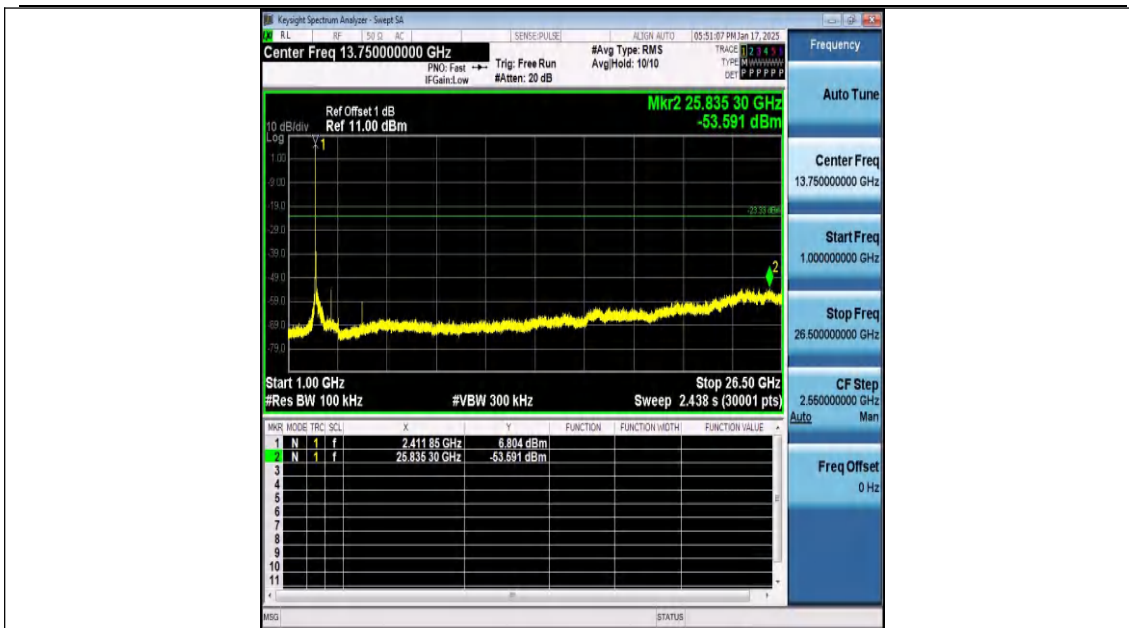
Test Graphs



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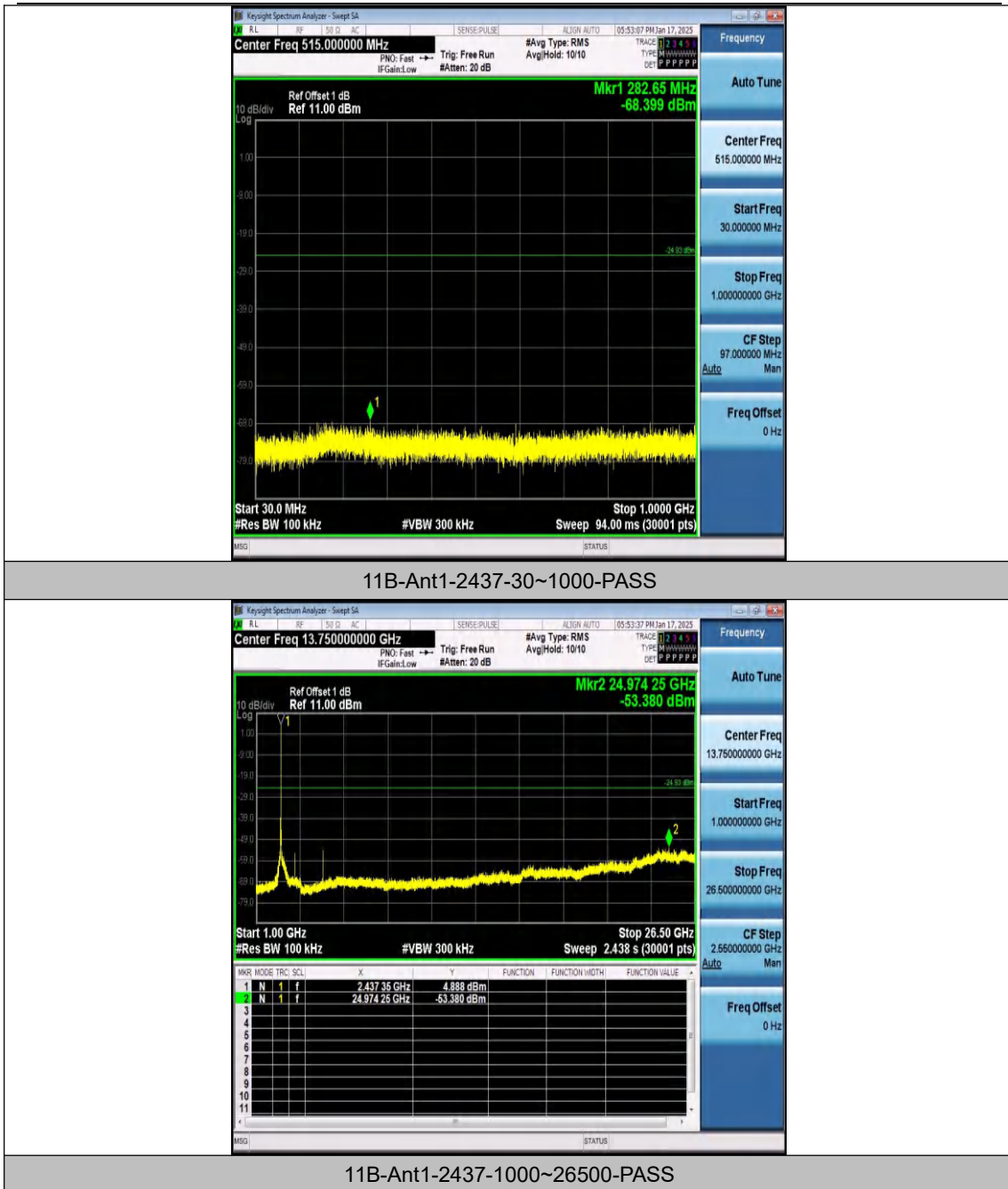
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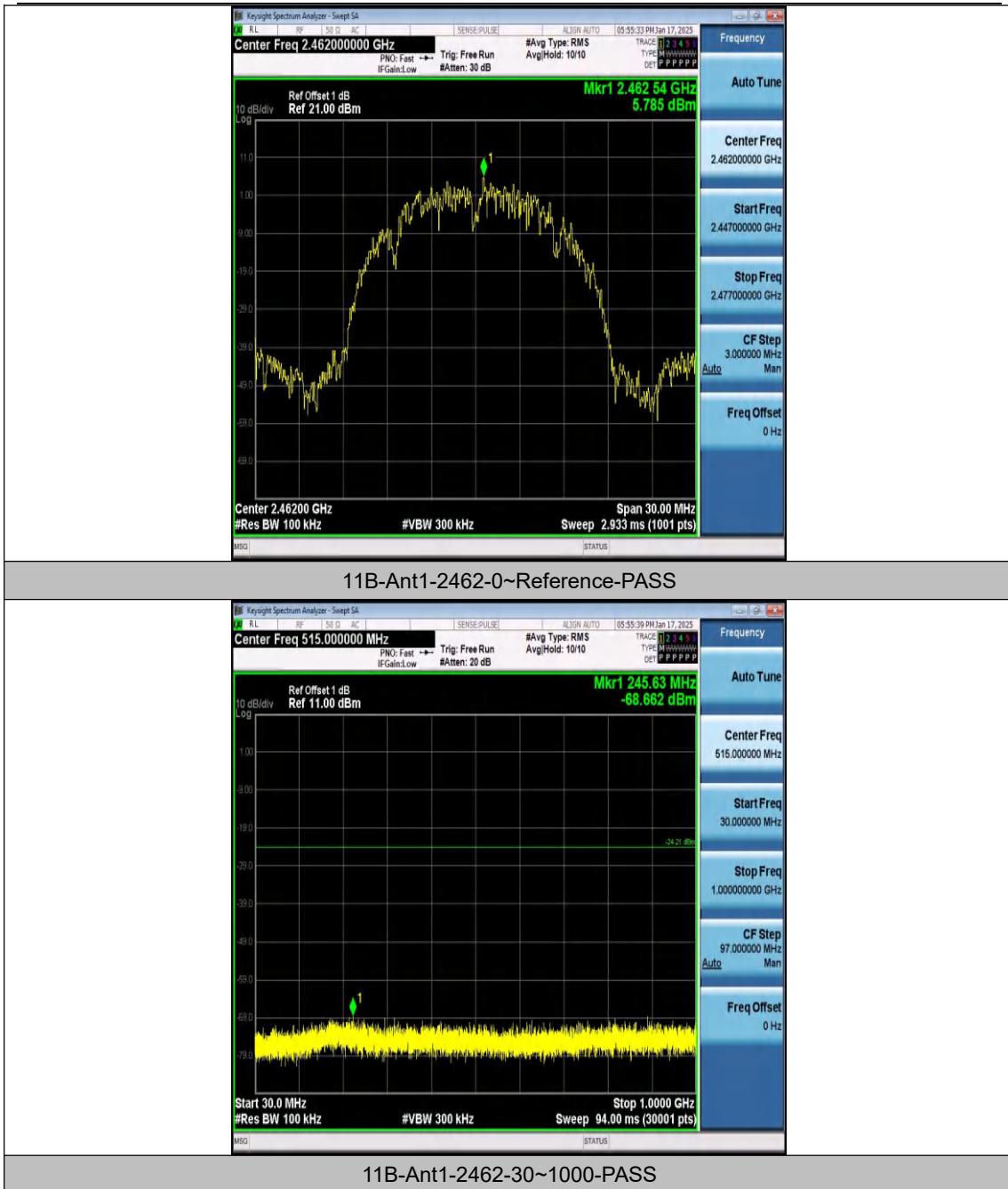


11B-Ant1-2412-1000~26500-PASS



11B-Ant1-2437-0~Reference-PASS

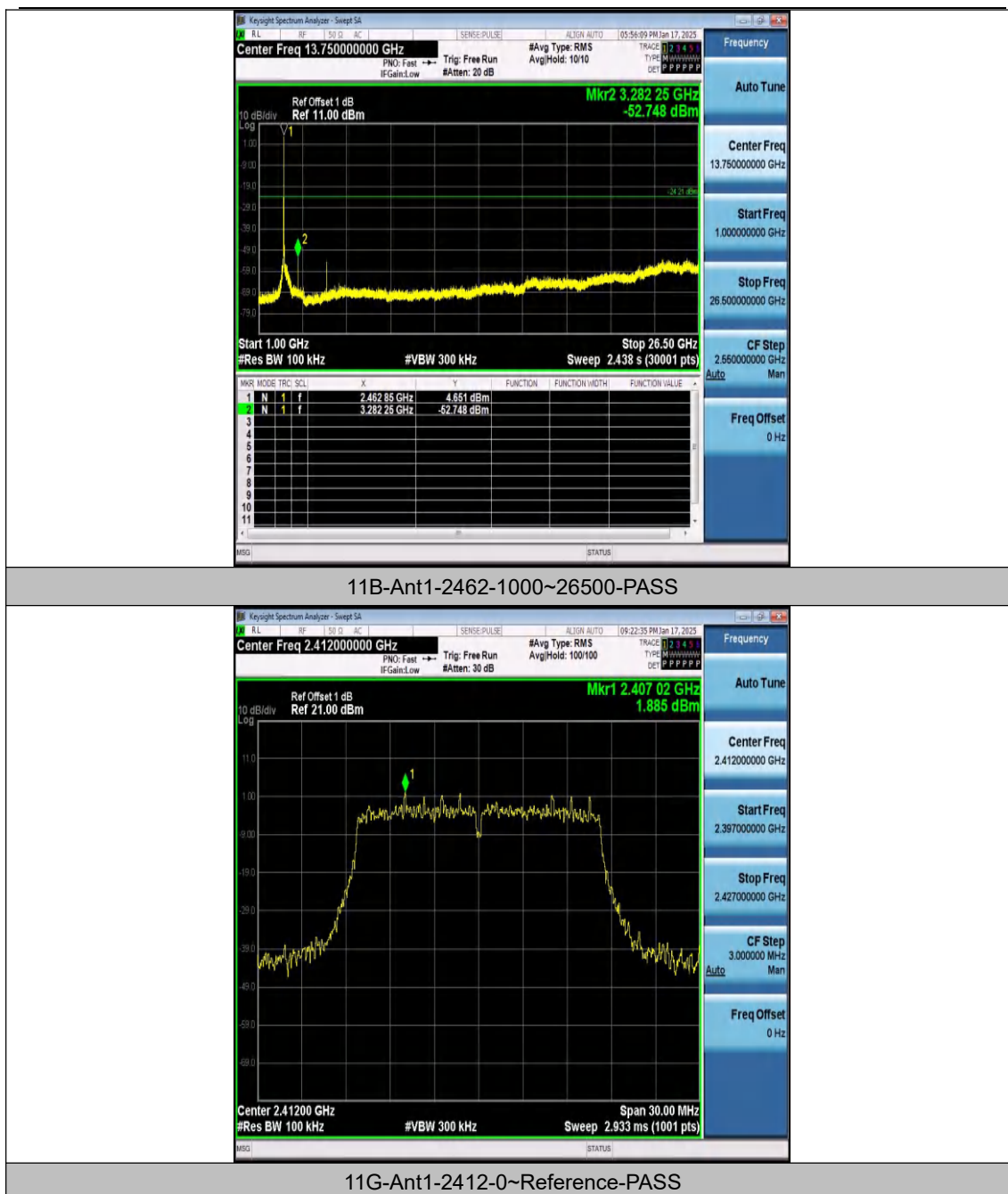


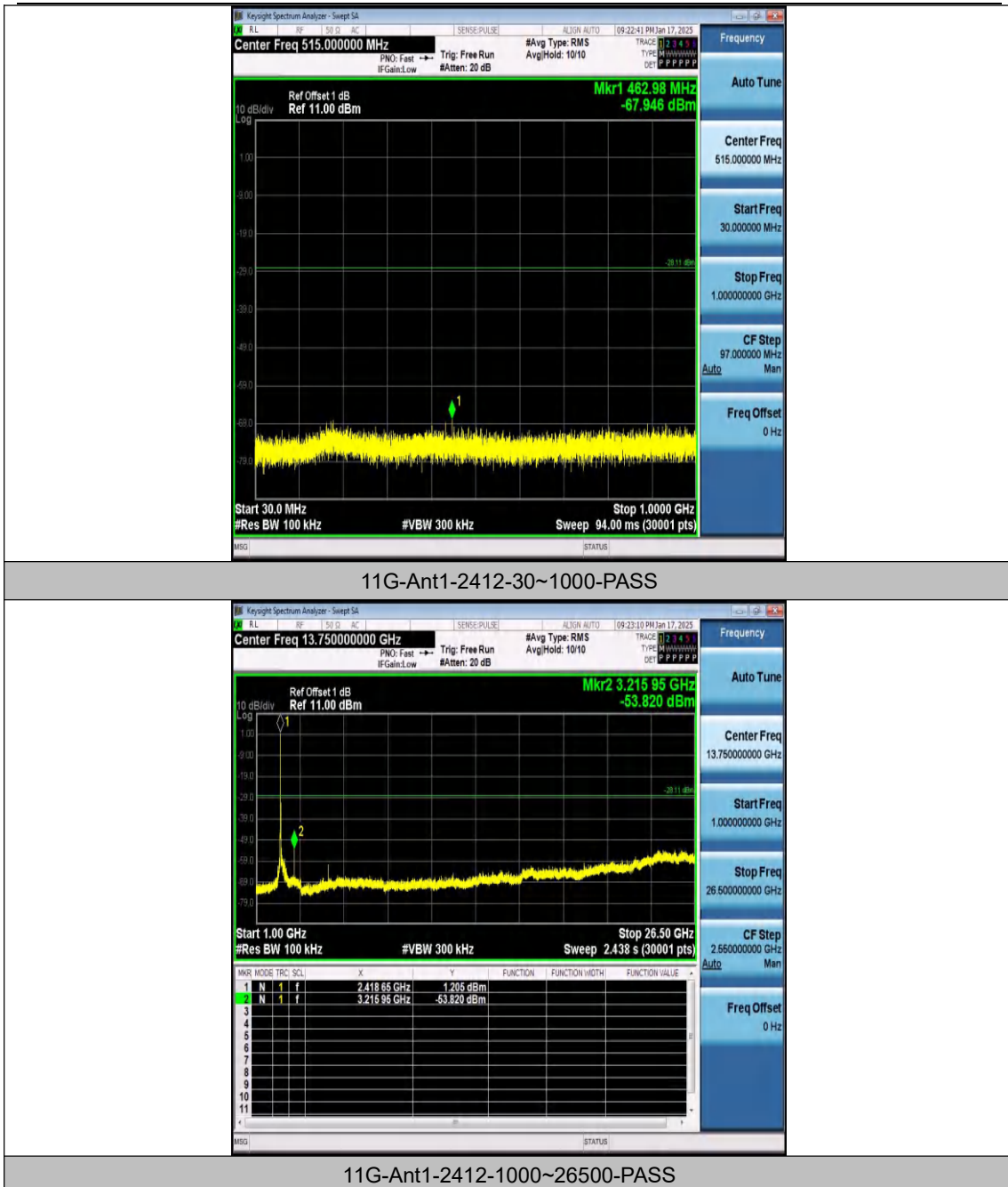


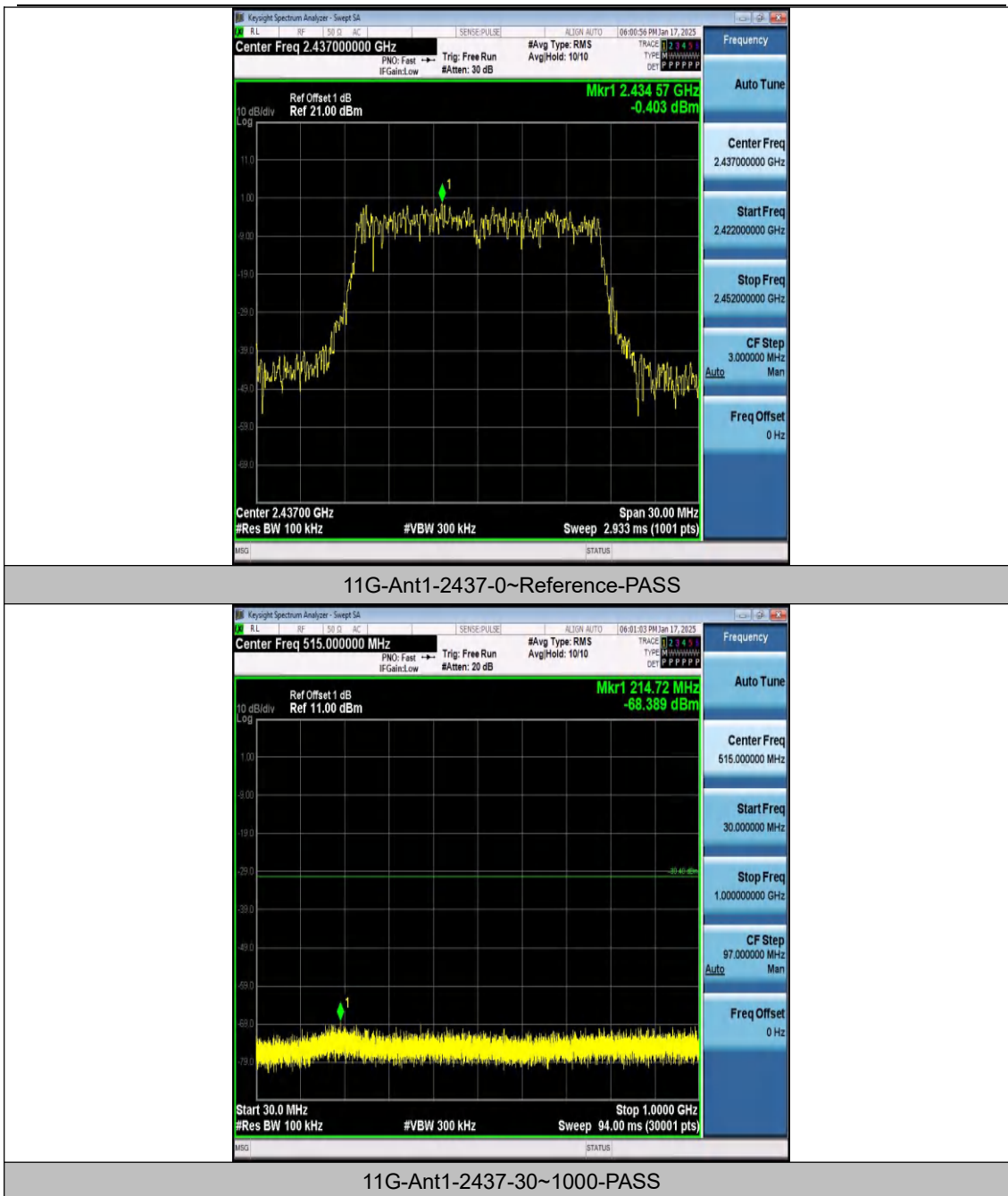
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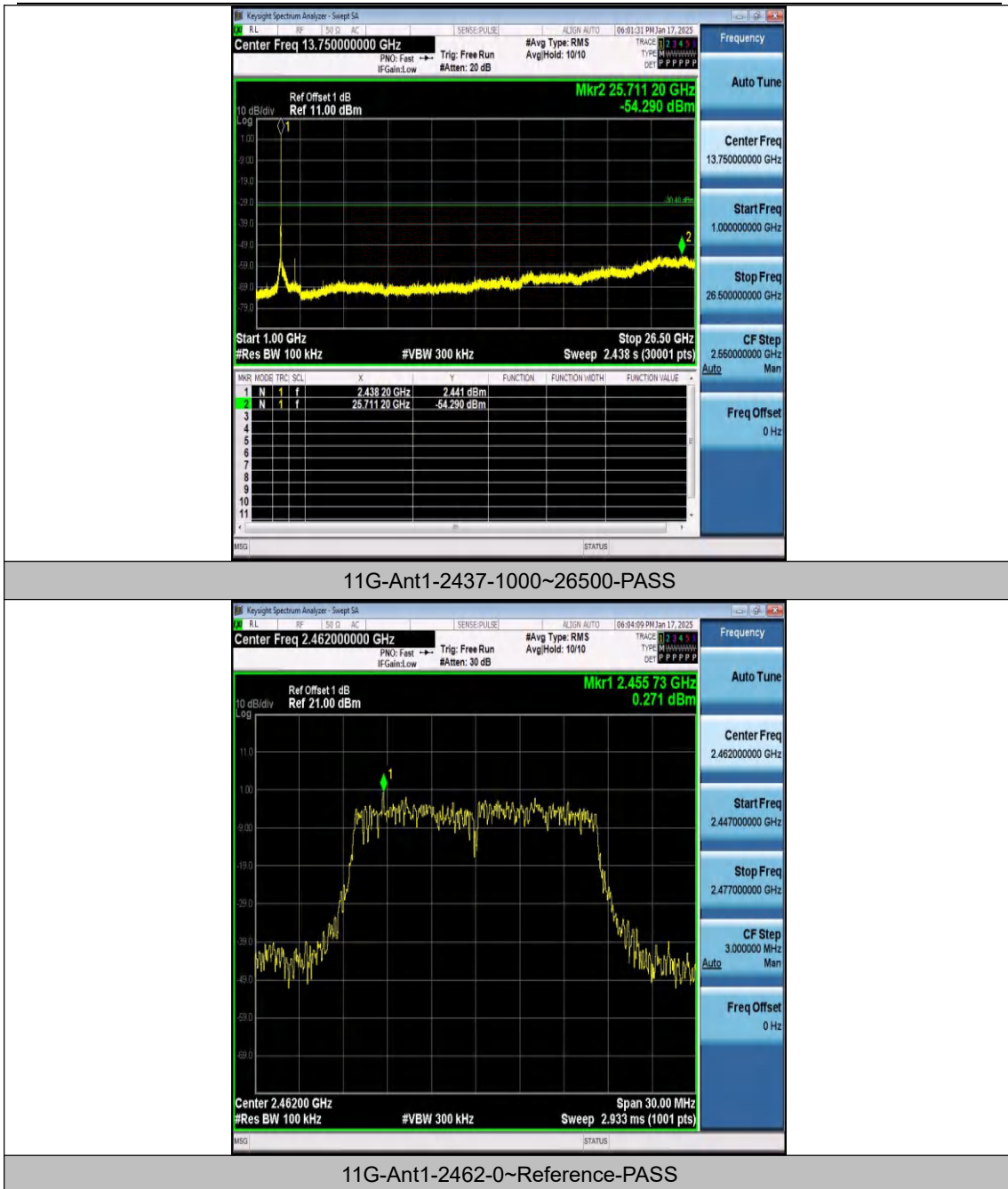




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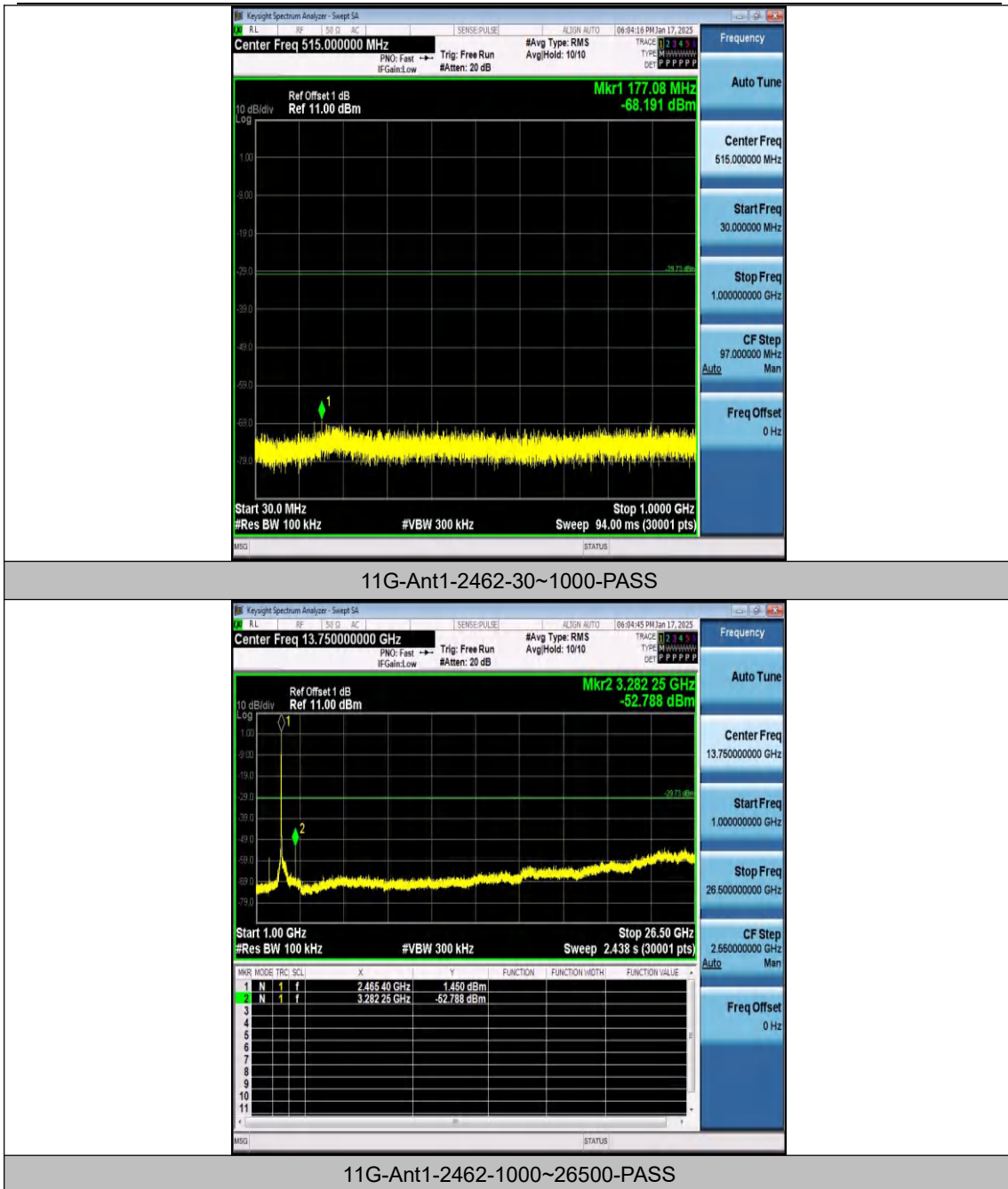


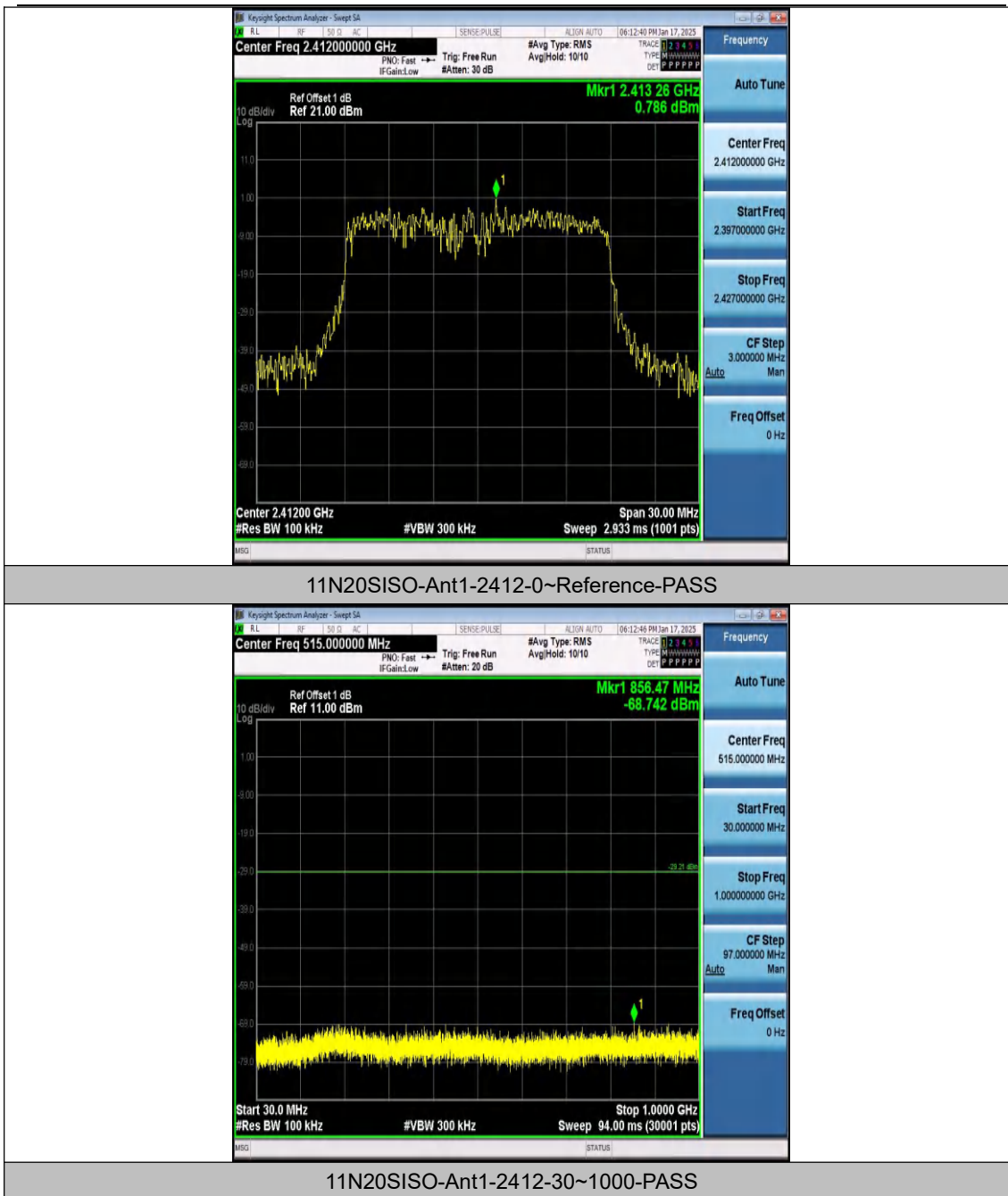
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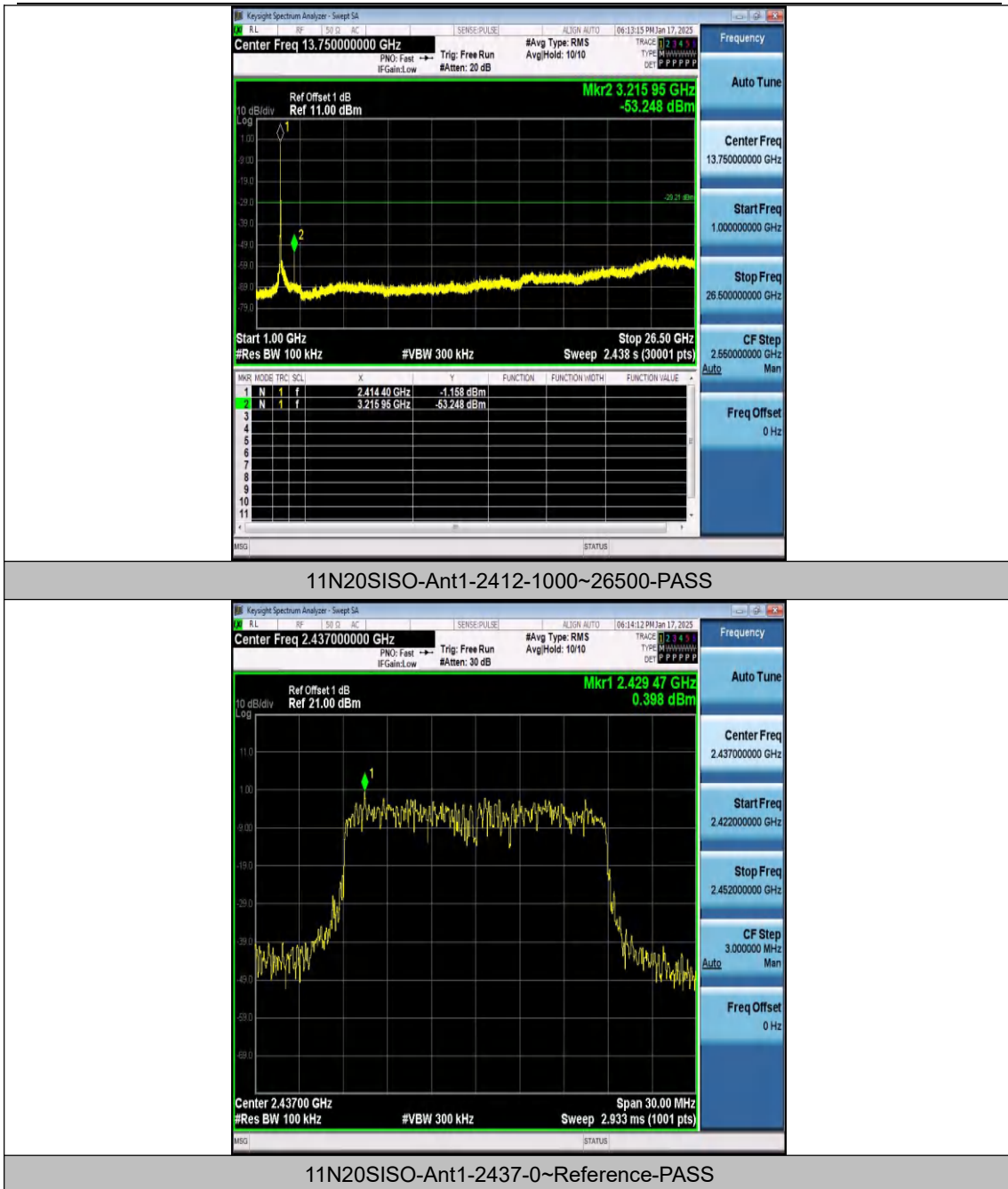
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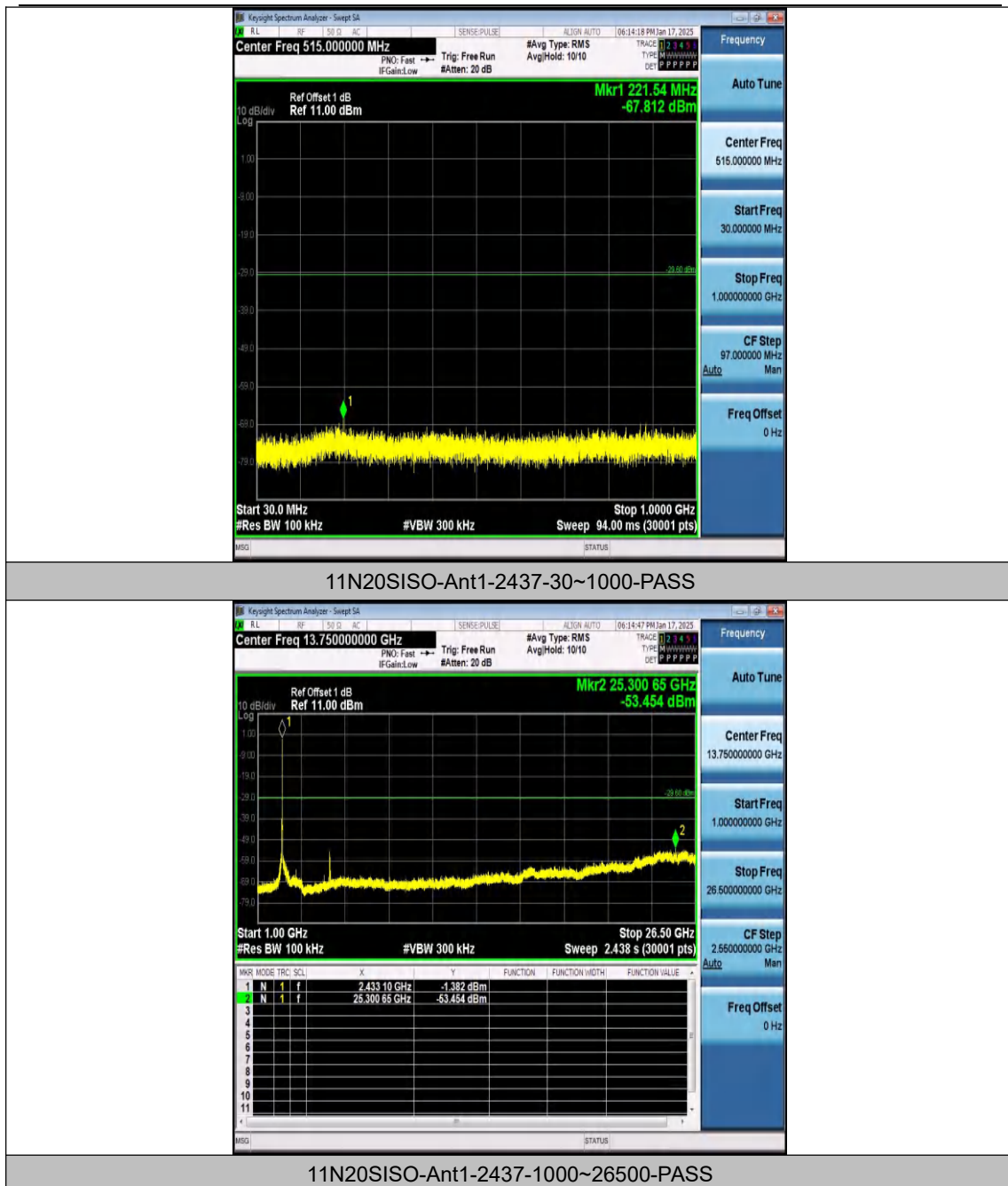


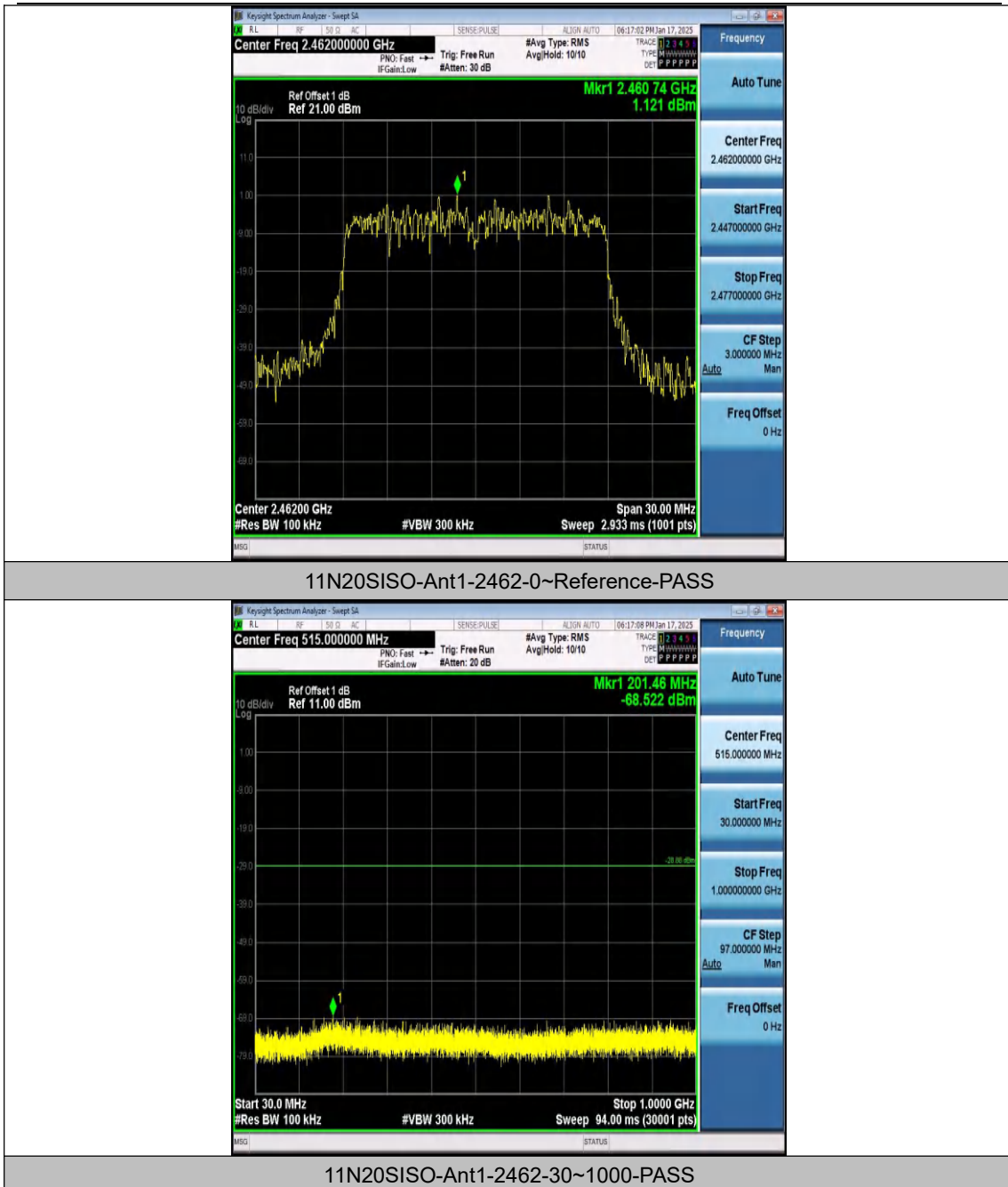
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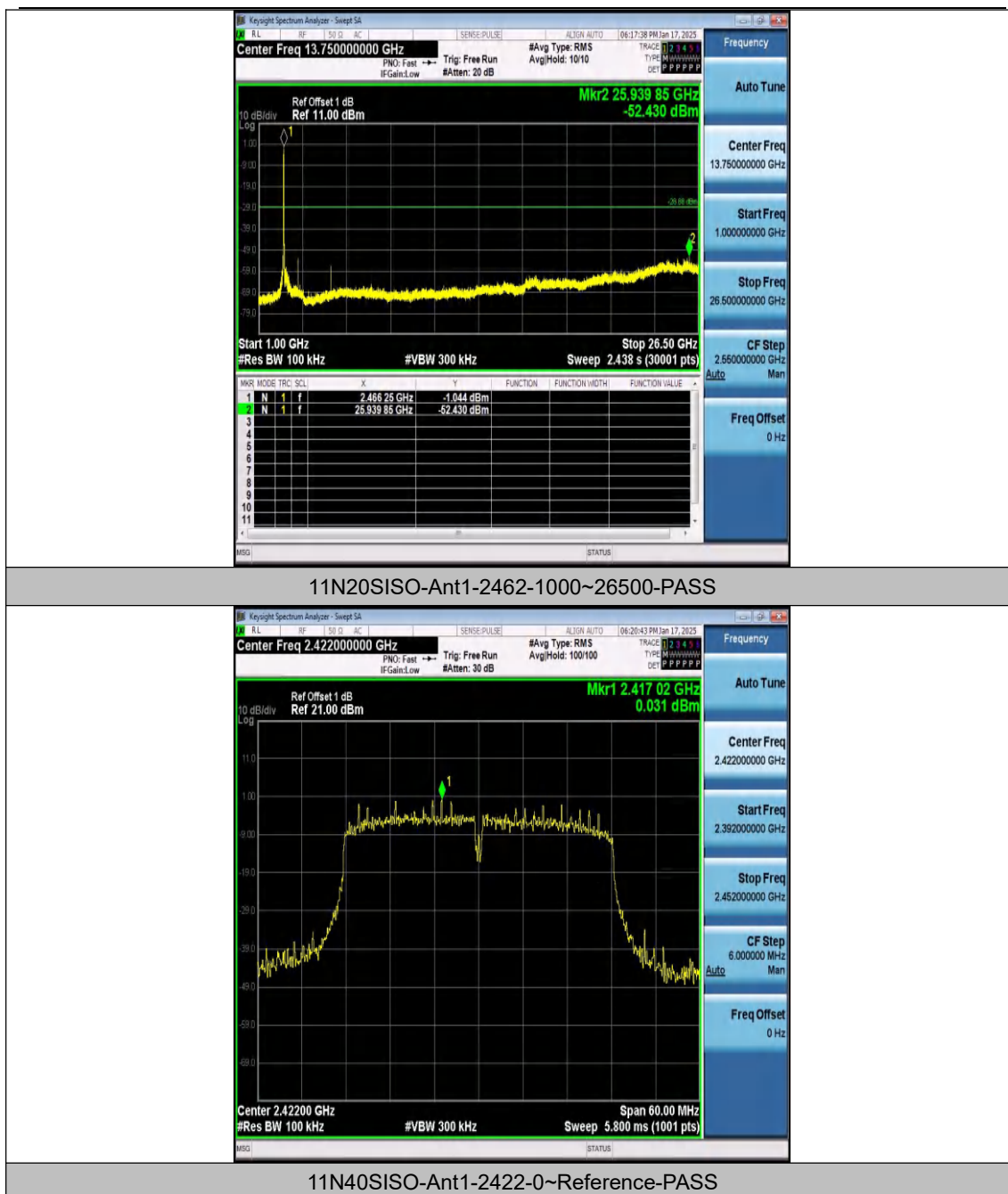




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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

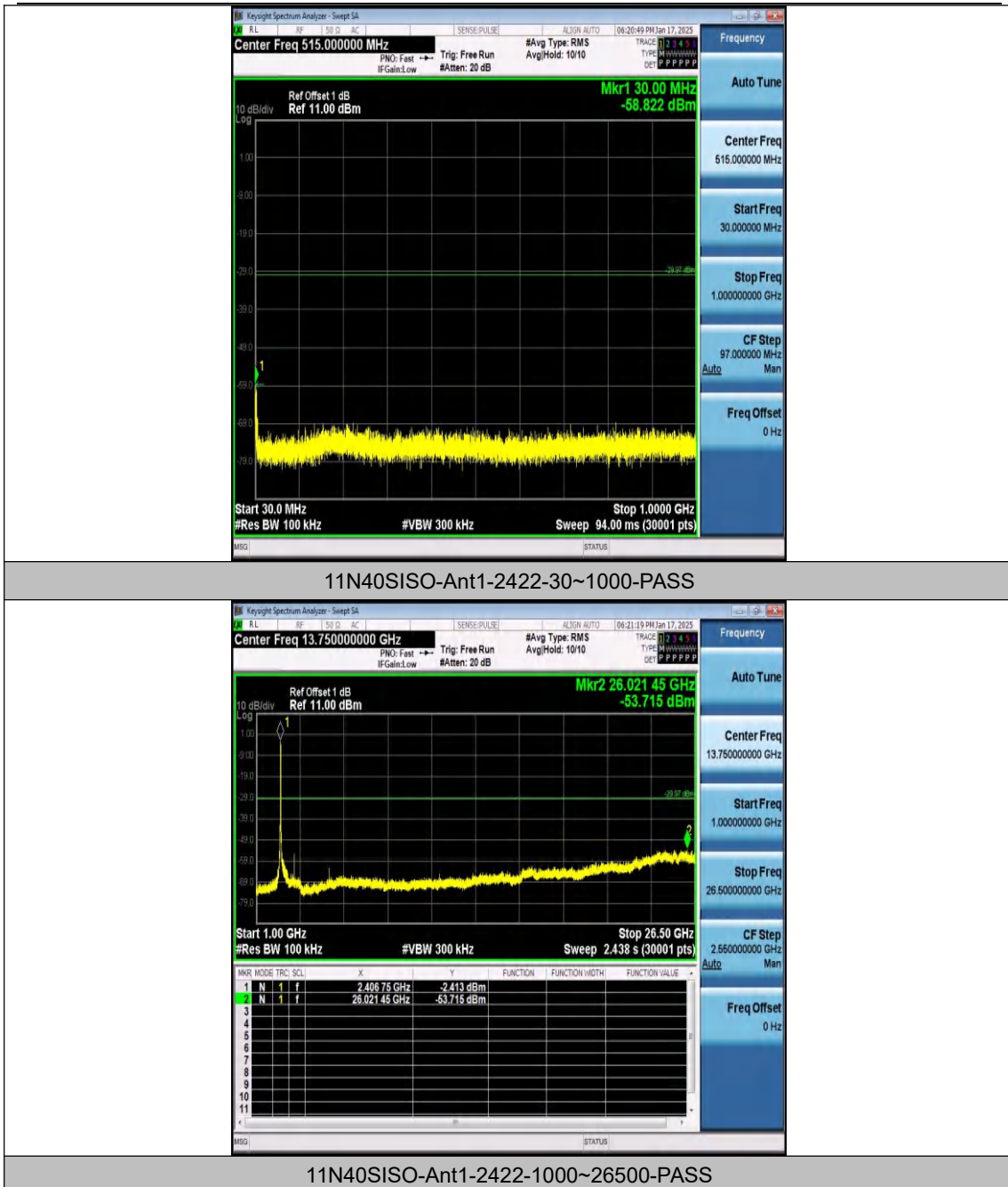
Hotline
400-003-0500
www.anbotek.com

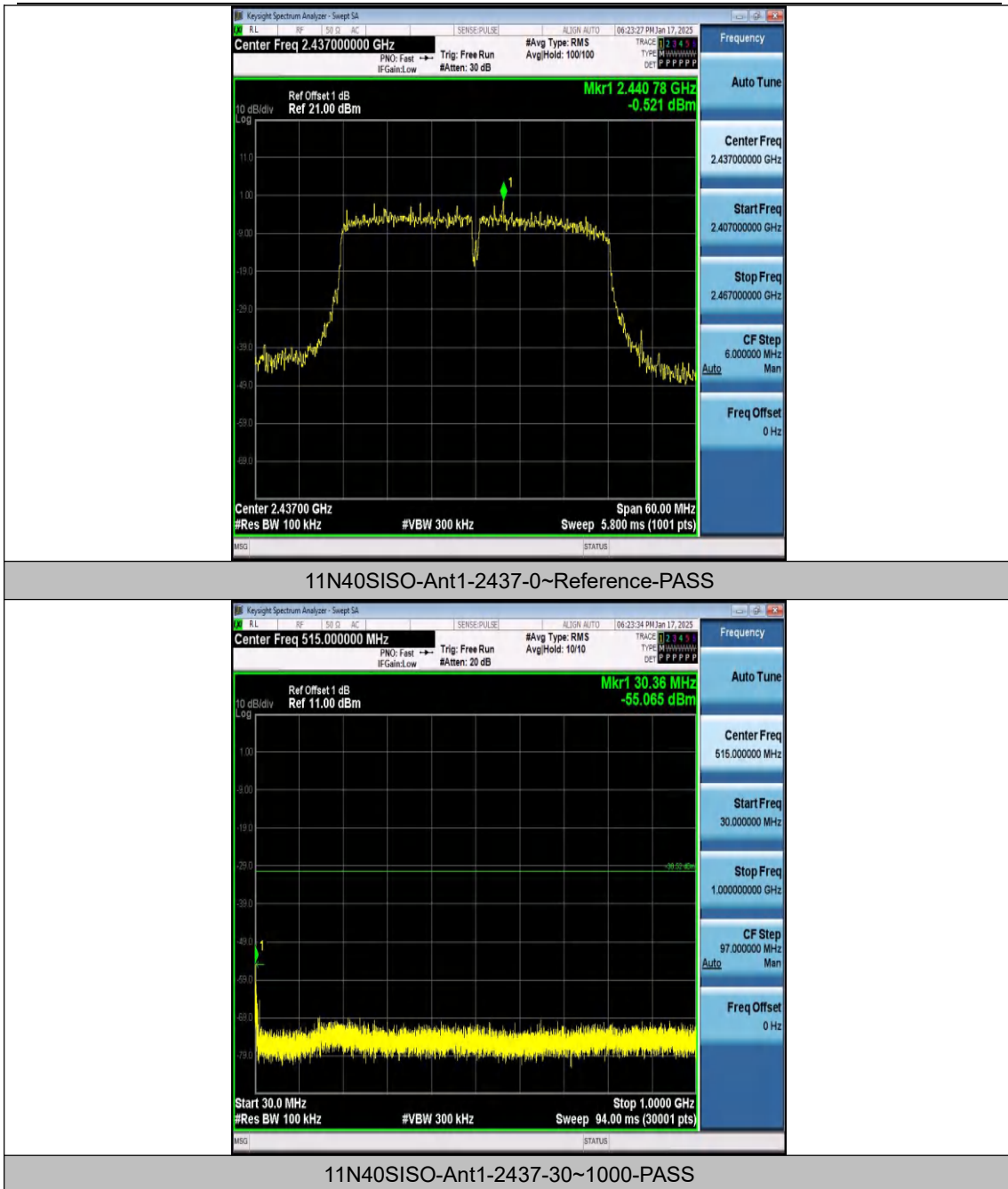


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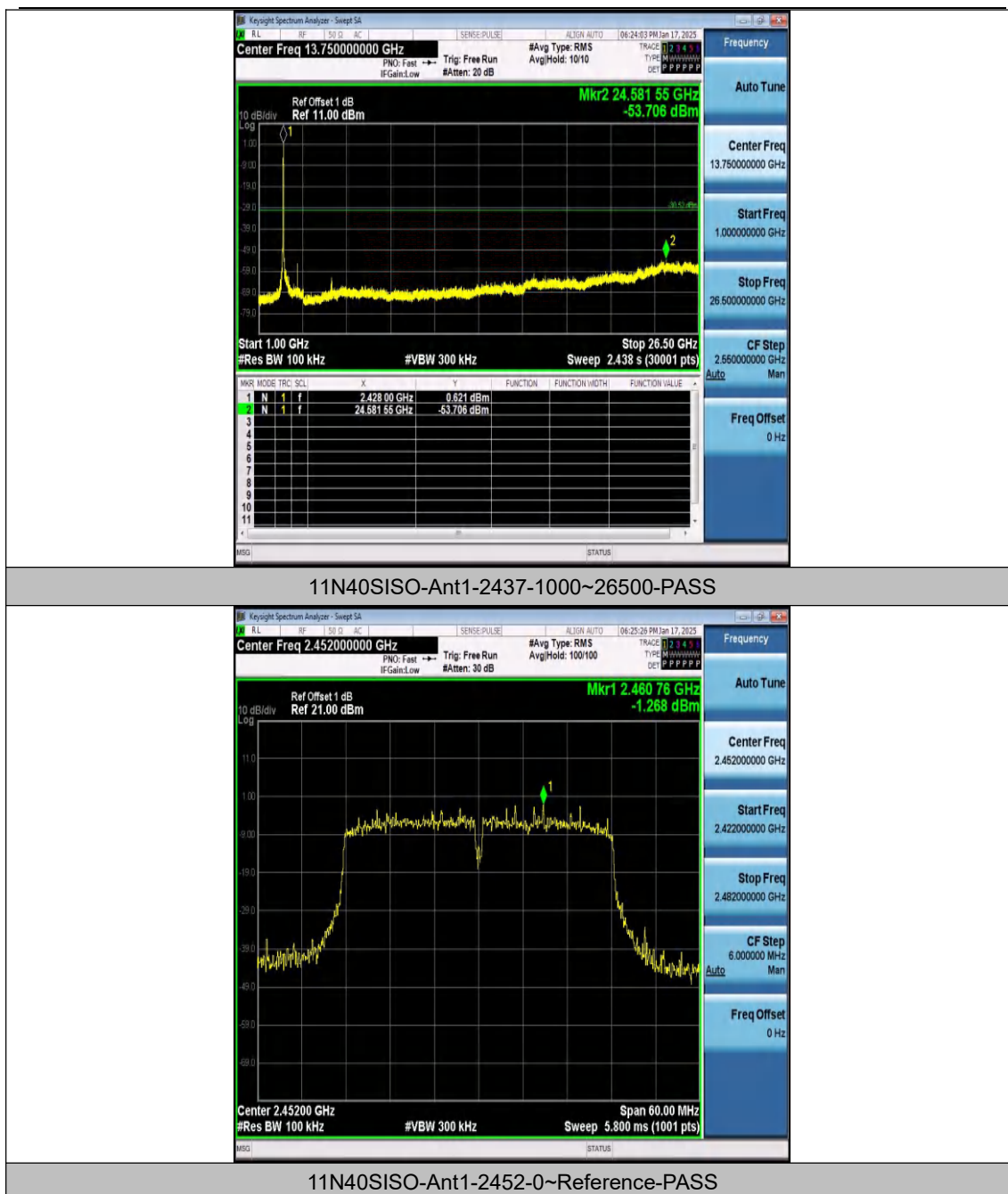


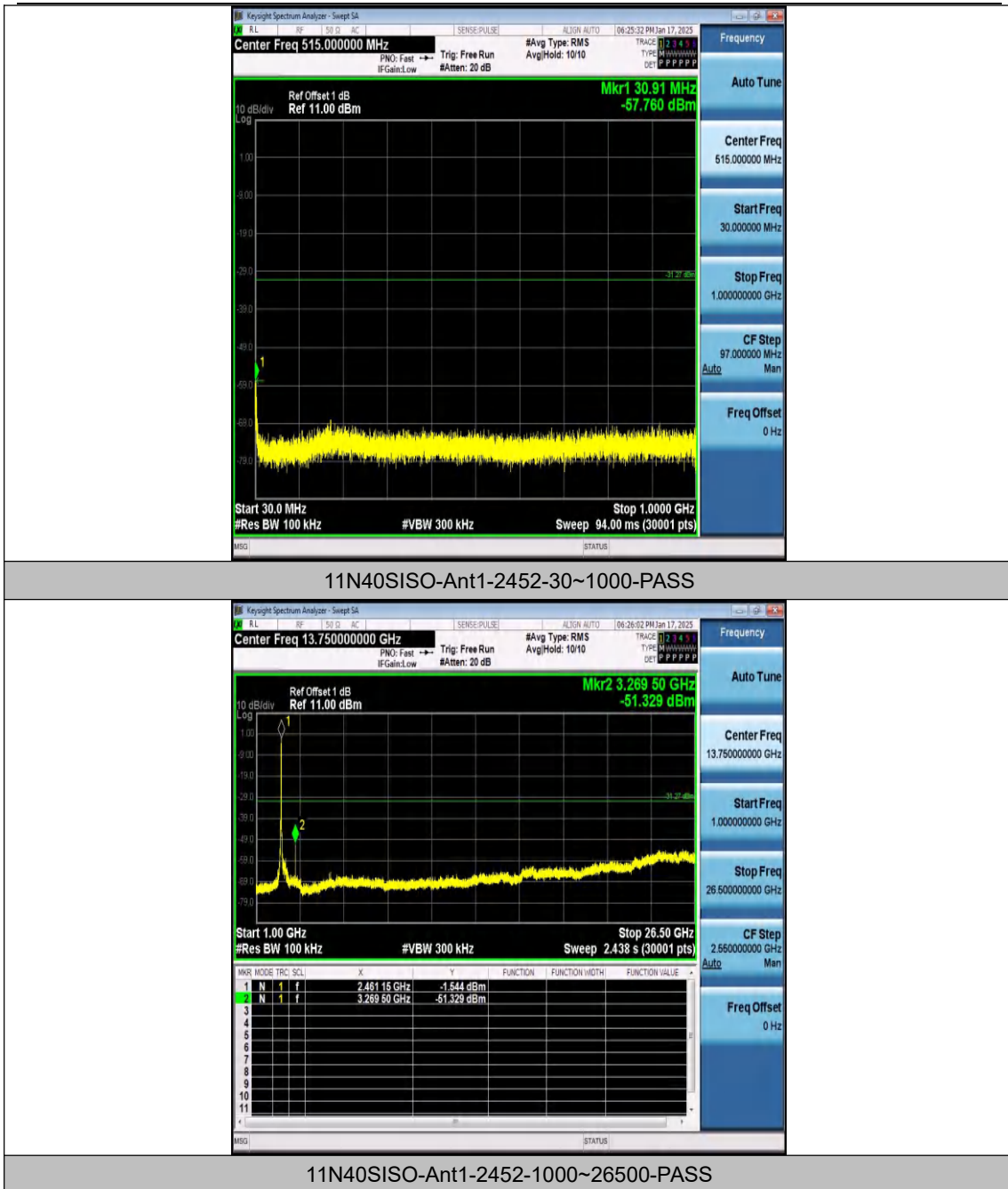


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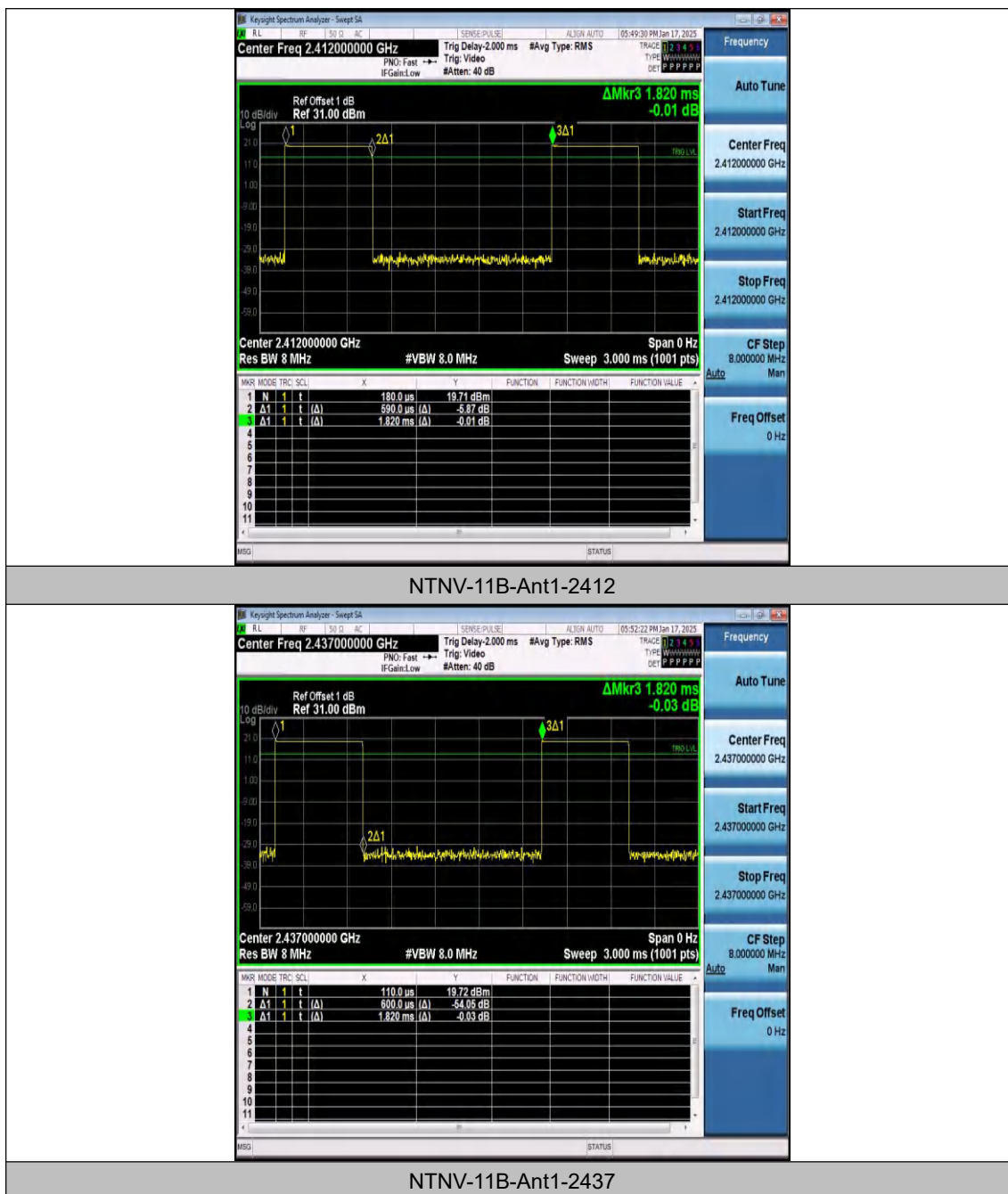
Appendix G: Duty Cycle

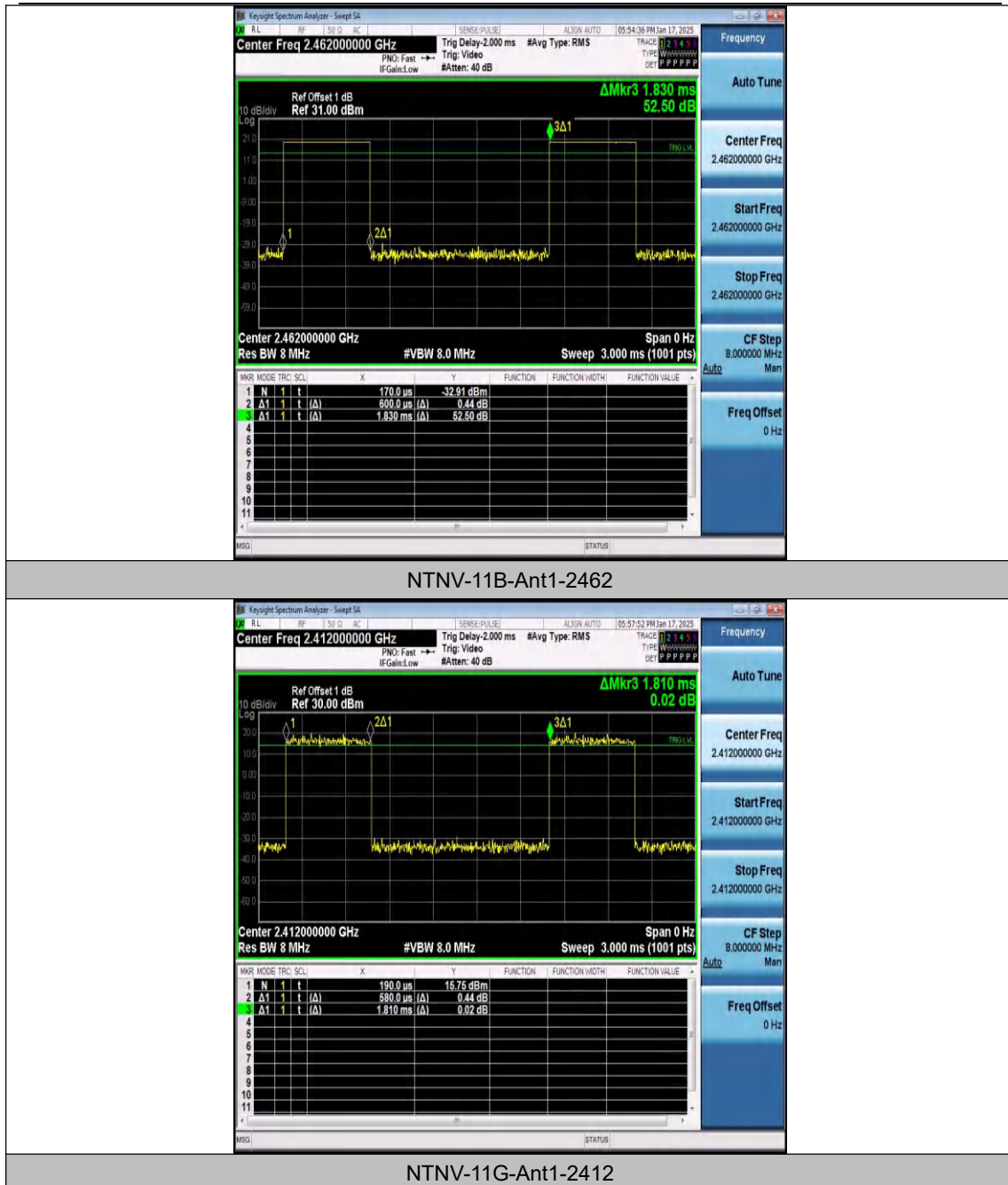
Test Result

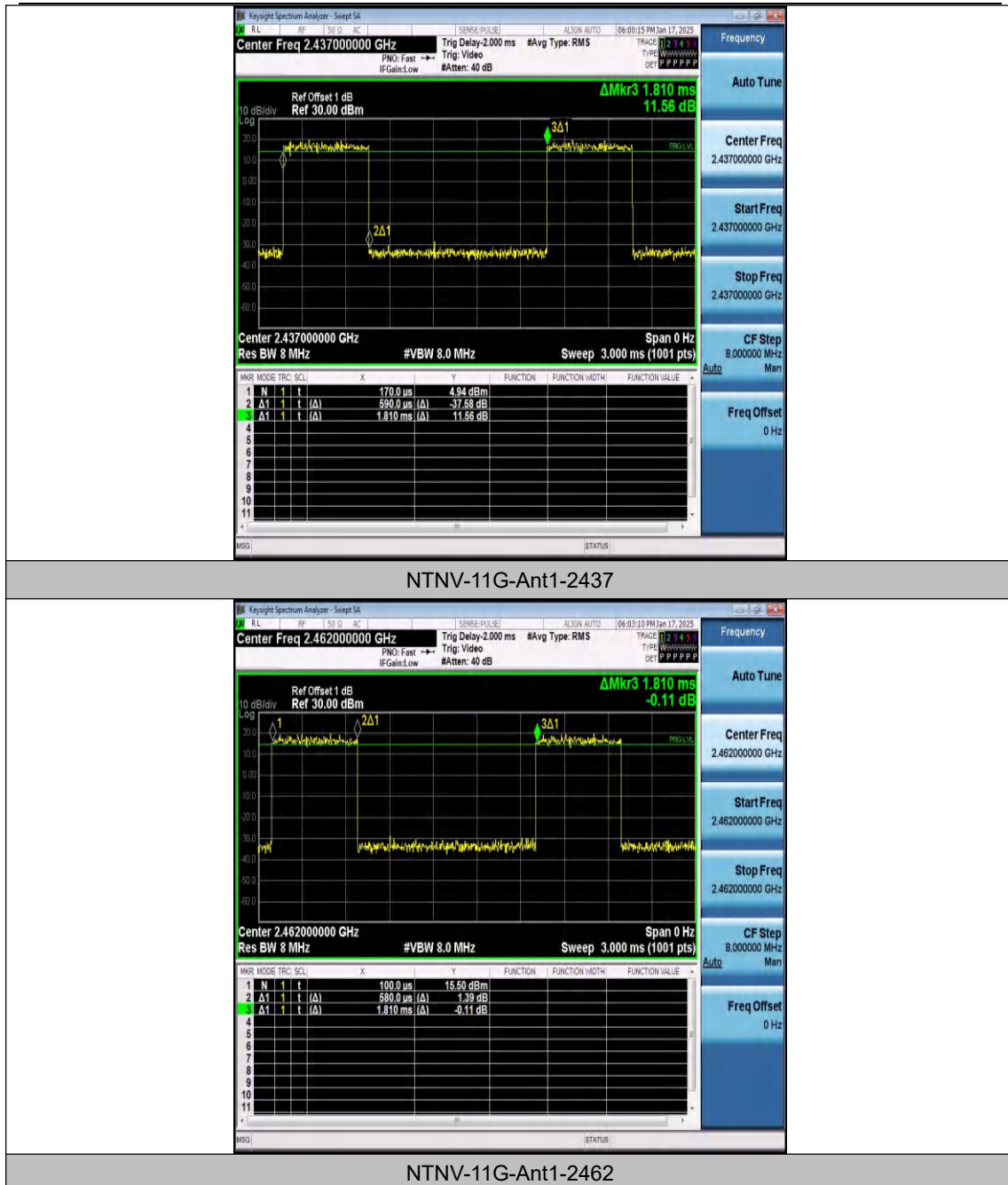
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.59	1.82	32.42	4.89
11B	Ant1	2437	0.60	1.82	32.97	4.82
11B	Ant1	2462	0.60	1.83	32.79	4.84
11G	Ant1	2412	0.58	1.81	32.04	4.94
11G	Ant1	2437	0.59	1.81	32.60	4.87
11G	Ant1	2462	0.58	1.81	32.04	4.94
11N20SISO	Ant1	2412	0.57	1.80	31.67	4.99
11N20SISO	Ant1	2437	0.56	1.79	31.28	5.05
11N20SISO	Ant1	2462	0.57	1.80	31.67	4.99
11N40SISO	Ant1	2422	0.59	1.82	32.42	4.89
11N40SISO	Ant1	2437	0.58	1.82	31.87	4.97
11N40SISO	Ant1	2452	0.58	1.81	32.04	4.94

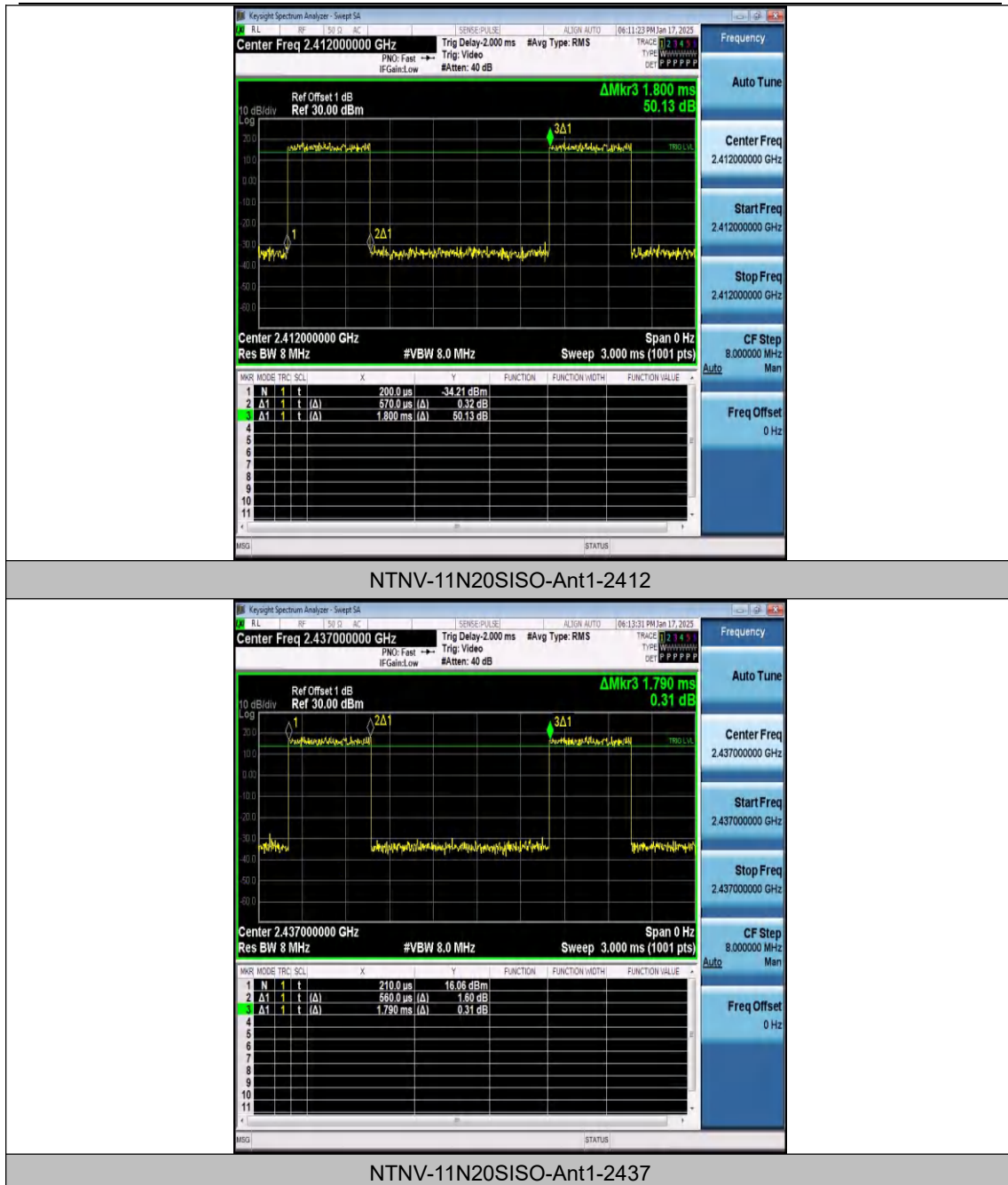


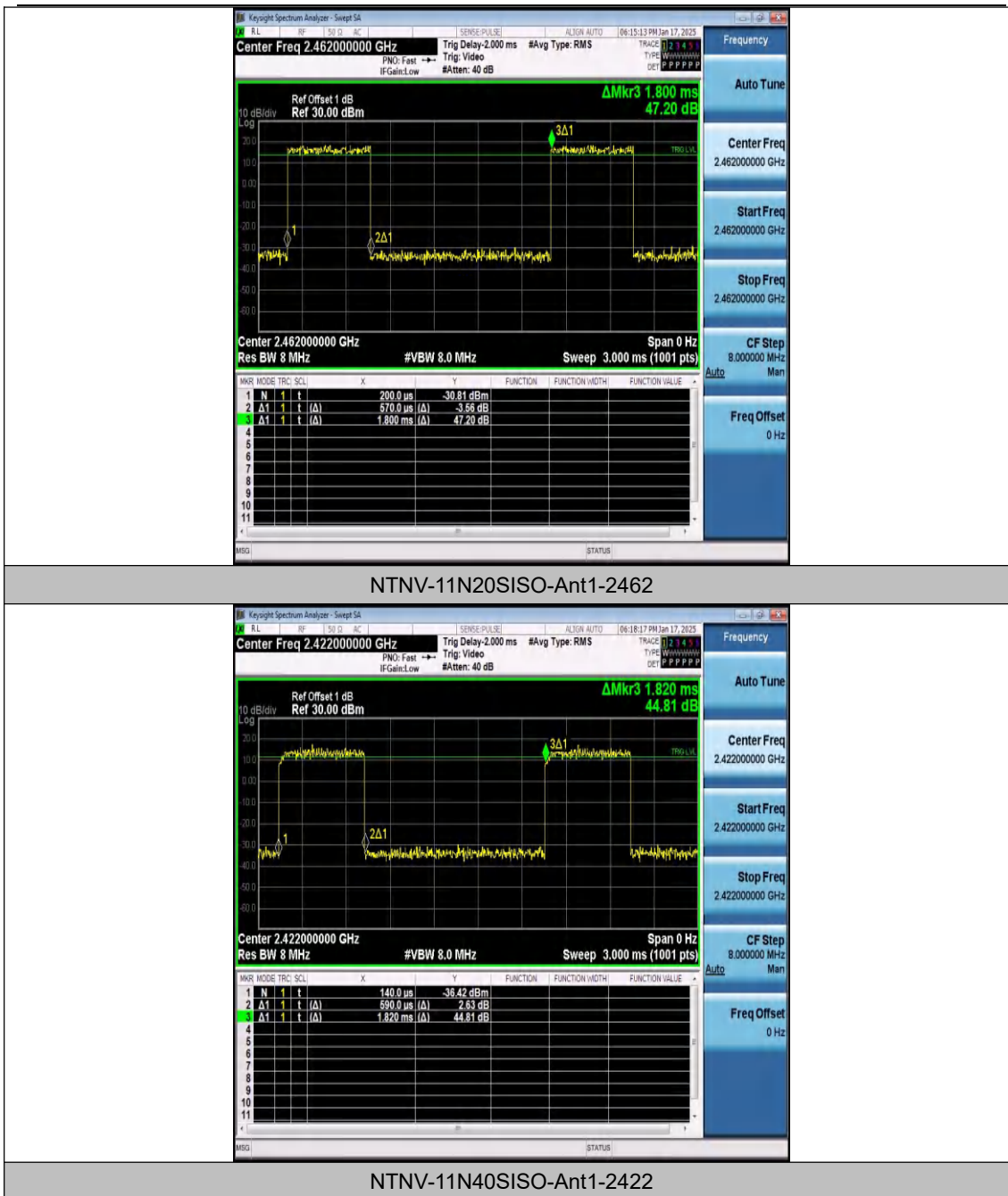
Test Graphs

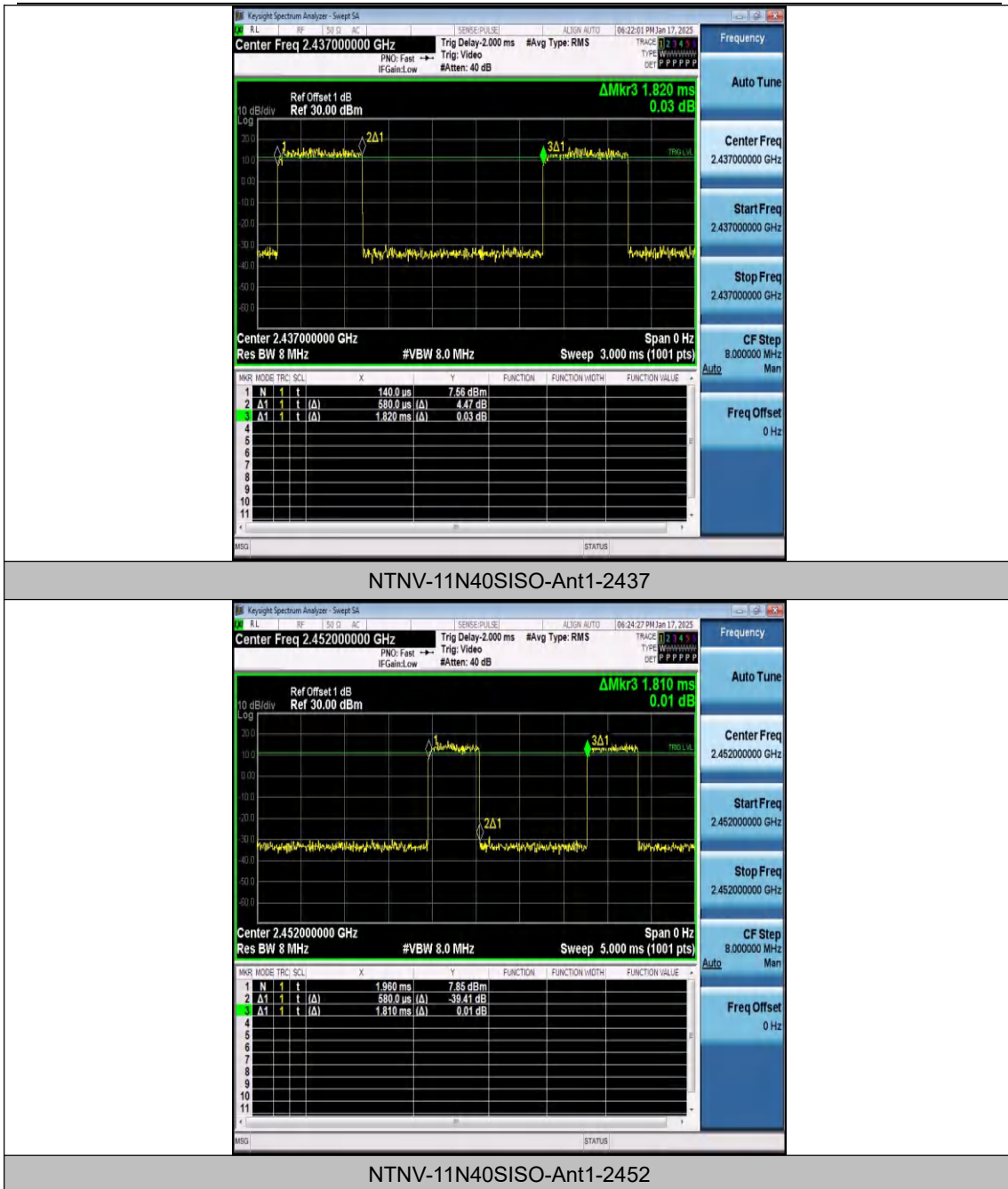












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