

Appendix Test Data

Report No.:	1812C50143512503	Test Sample No.:	1-2-2
Start Test Date:	2025.04.17	Finish Test Date:	2025.04.17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.6°C	Relative Humidity:	49%
Pressure:	101kPa		

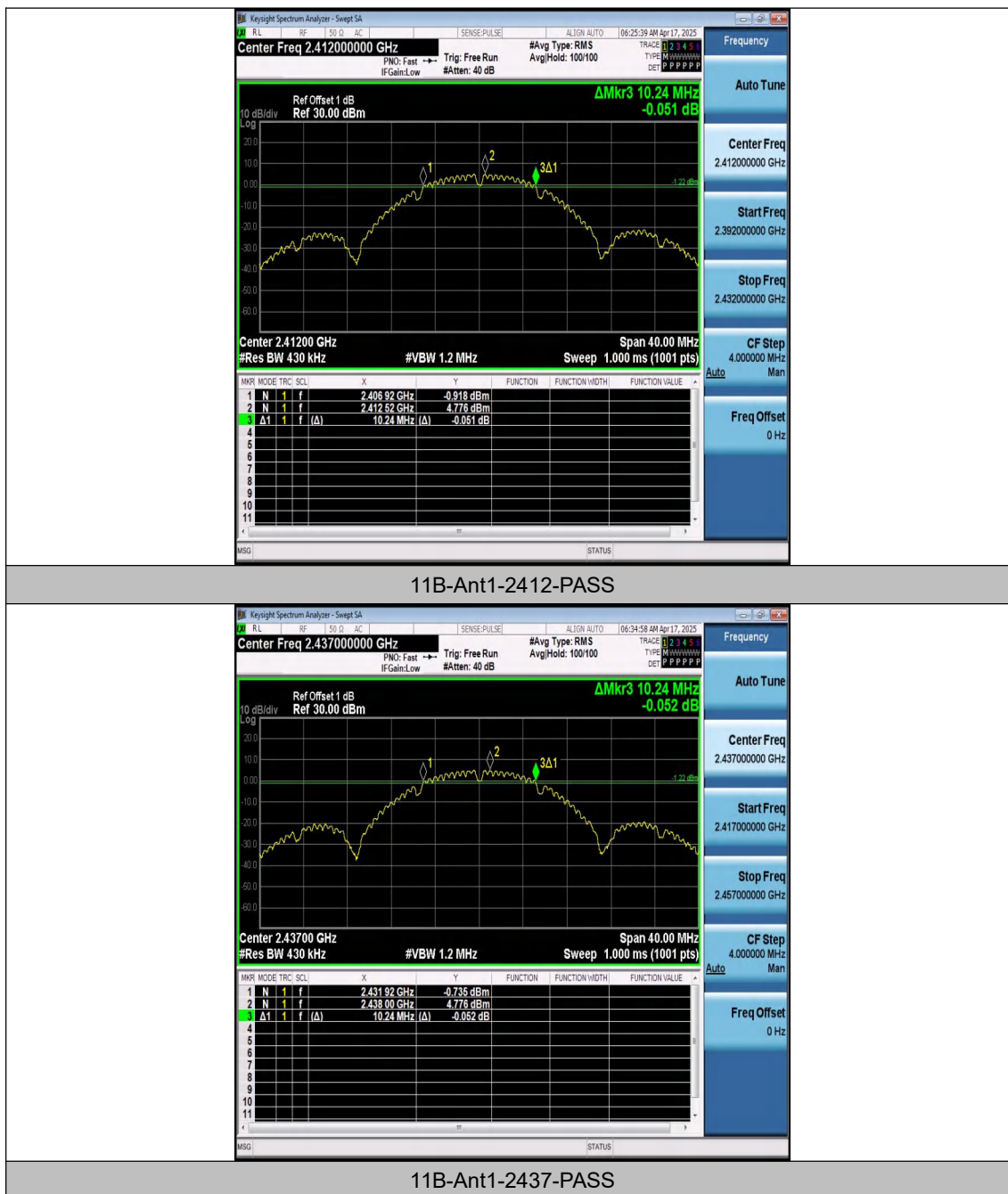
Appendix A: 6dB Bandwidth

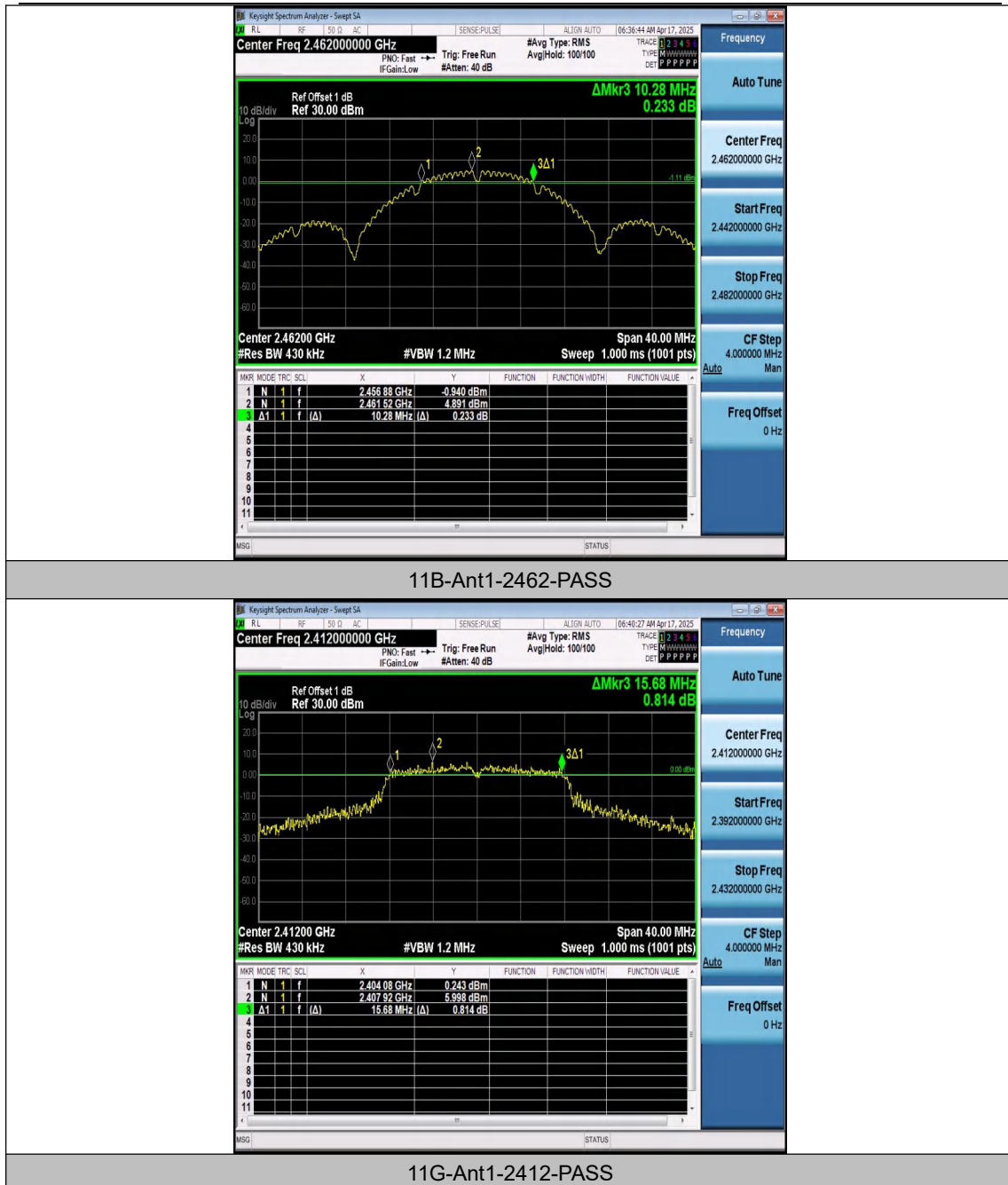
Test Result

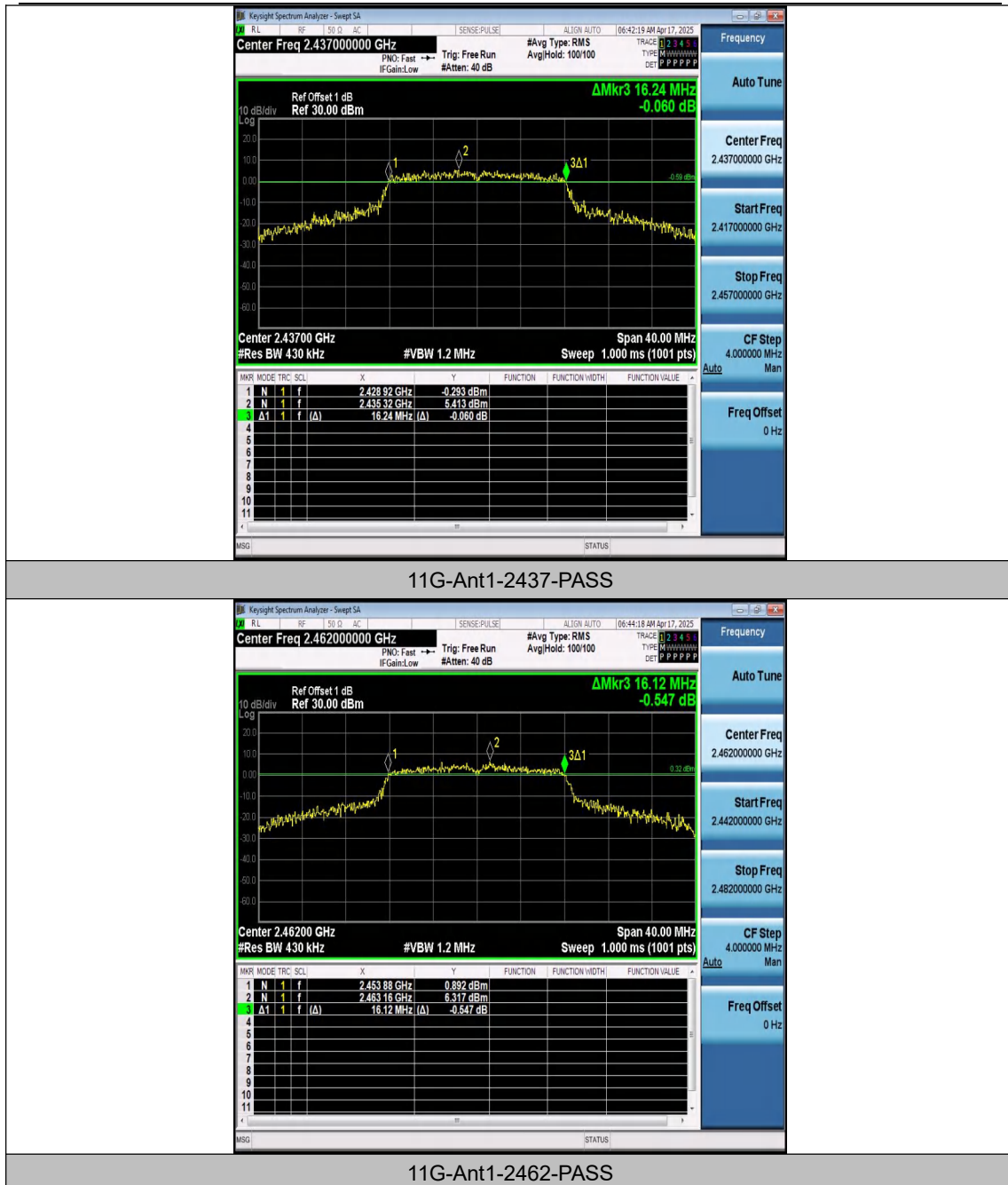
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
11B	Ant1	2437	10.240	2431.920	2442.160	0.5	PASS
11B	Ant1	2462	10.280	2456.880	2467.160	0.5	PASS
11G	Ant1	2412	15.680	2404.080	2419.760	0.5	PASS
11G	Ant1	2437	16.240	2428.920	2445.160	0.5	PASS
11G	Ant1	2462	16.120	2453.880	2470.000	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.480	2420.640	0.5	PASS
11N20SISO	Ant1	2437	17.280	2428.360	2445.640	0.5	PASS
11N20SISO	Ant1	2462	17.320	2453.360	2470.680	0.5	PASS
11N40SISO	Ant1	2422	35.920	2404.080	2440.000	0.5	PASS
11N40SISO	Ant1	2437	35.760	2419.160	2454.920	0.5	PASS
11N40SISO	Ant1	2452	35.760	2434.160	2469.920	0.5	PASS

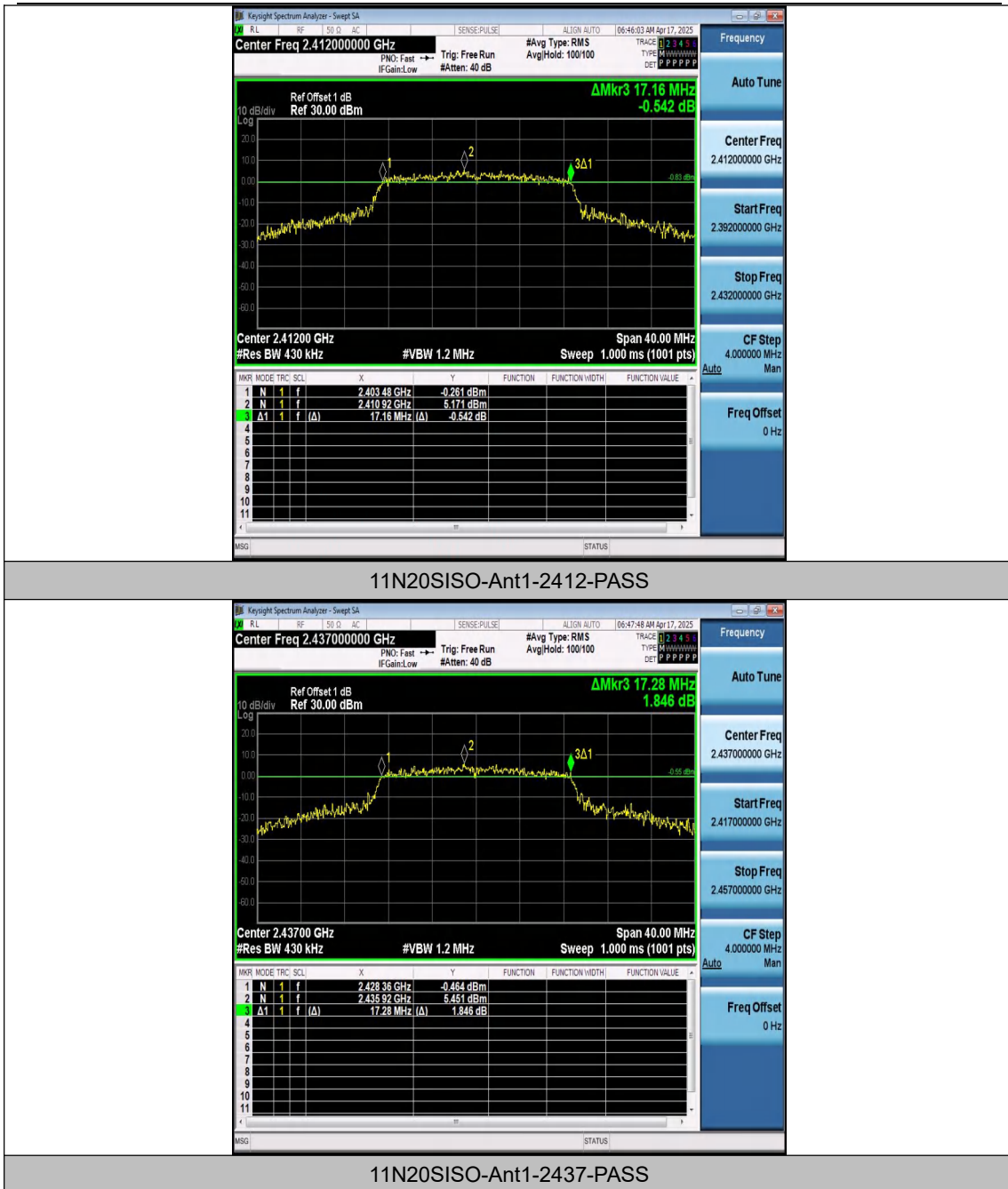


Test Graphs





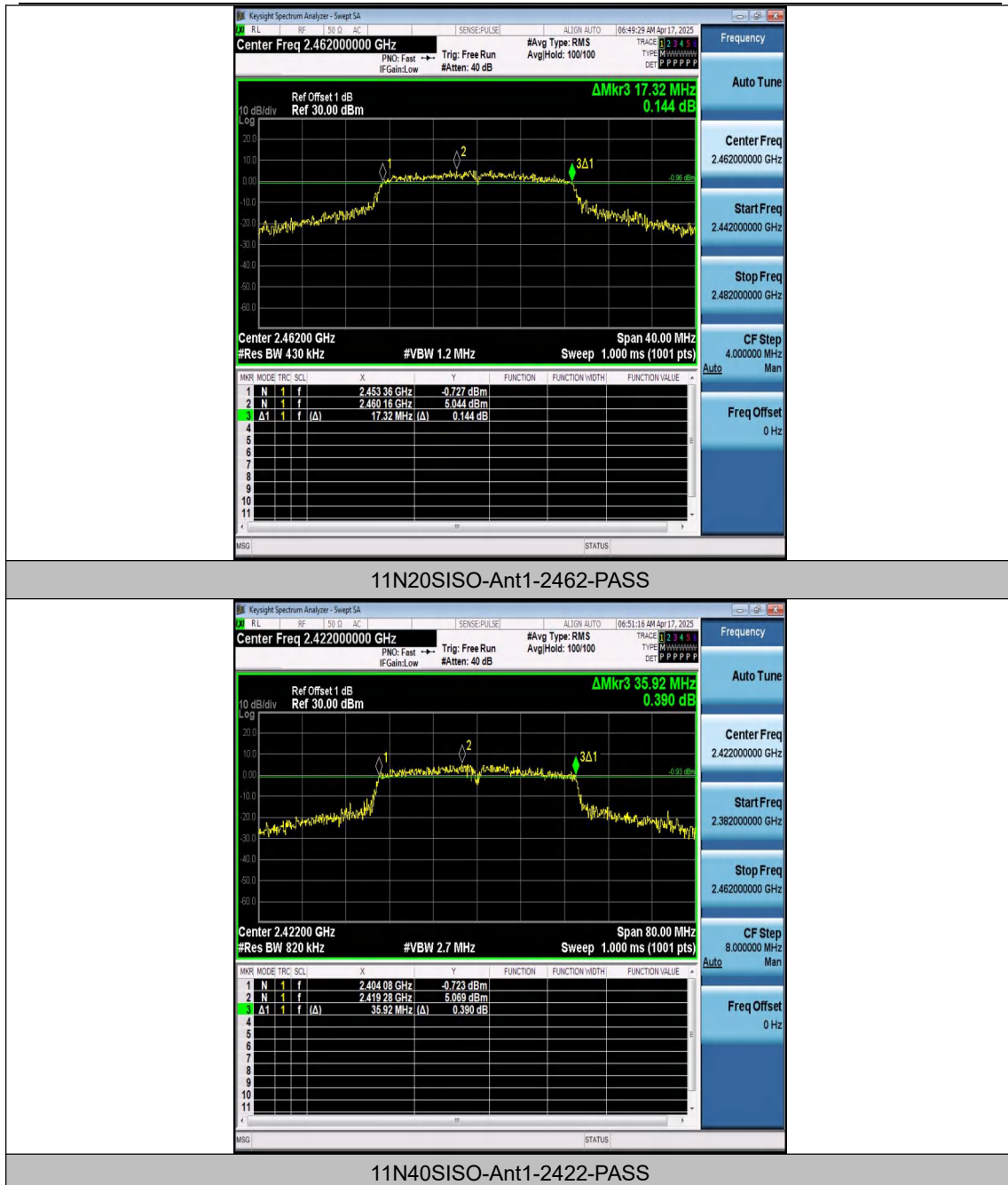


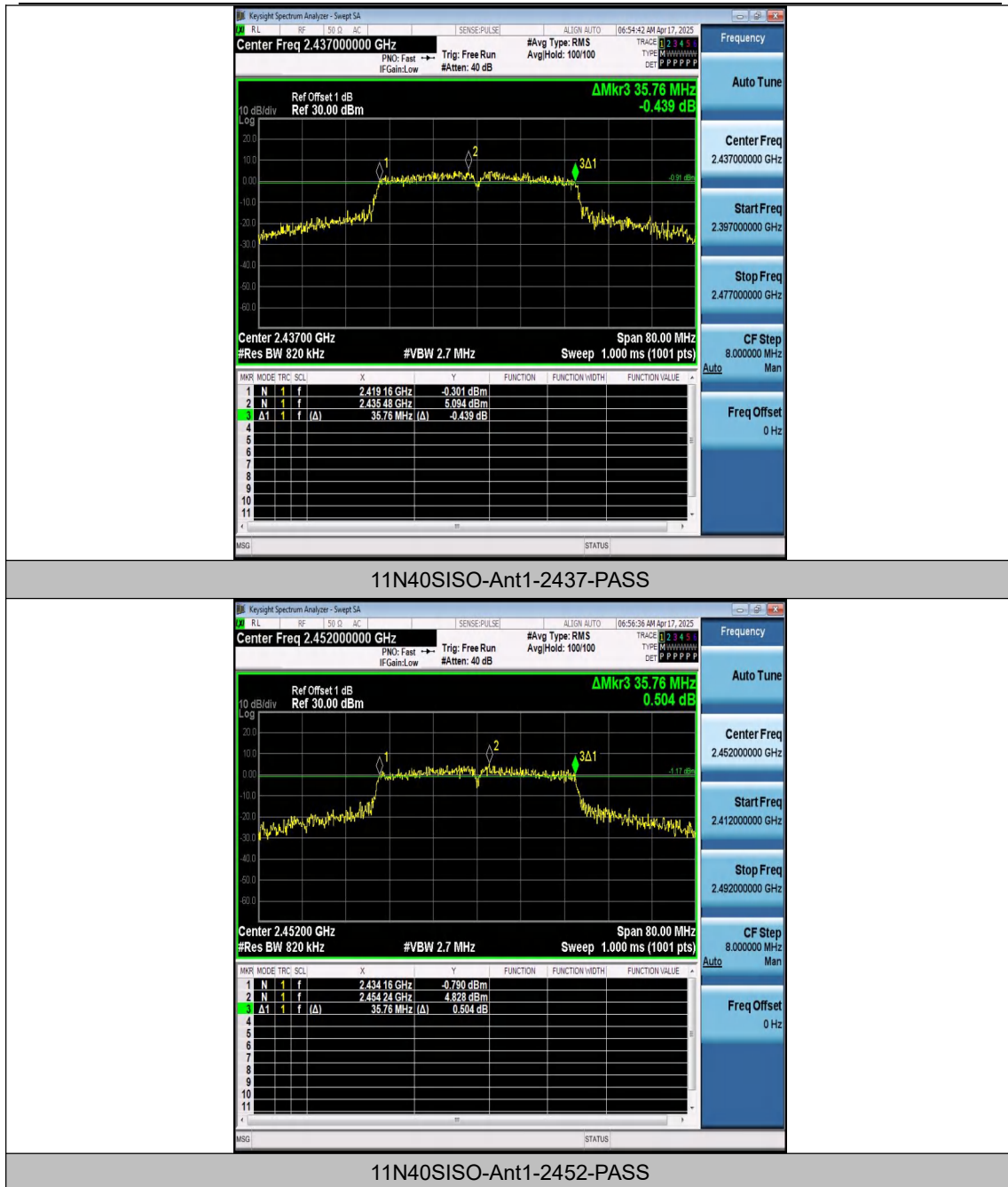


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.744	2404.2856	2420.0296	---	---
11B	Ant1	2437	16.212	2429.0169	2445.2289	---	---
11B	Ant1	2462	16.759	2453.7000	2470.4590	---	---
11G	Ant1	2412	18.930	2402.6681	2421.5981	---	---
11G	Ant1	2437	20.137	2426.8957	2447.0327	---	---
11G	Ant1	2462	20.597	2451.7641	2472.3611	---	---
11N20SISO	Ant1	2412	19.196	2402.5517	2421.7477	---	---
11N20SISO	Ant1	2437	20.237	2426.9973	2447.2343	---	---
11N20SISO	Ant1	2462	21.182	2451.1351	2472.3171	---	---
11N40SISO	Ant1	2422	37.353	2403.4189	2440.7719	---	---
11N40SISO	Ant1	2437	37.271	2418.3251	2455.5961	---	---
11N40SISO	Ant1	2452	37.575	2433.1101	2470.6851	---	---

Test Graphs



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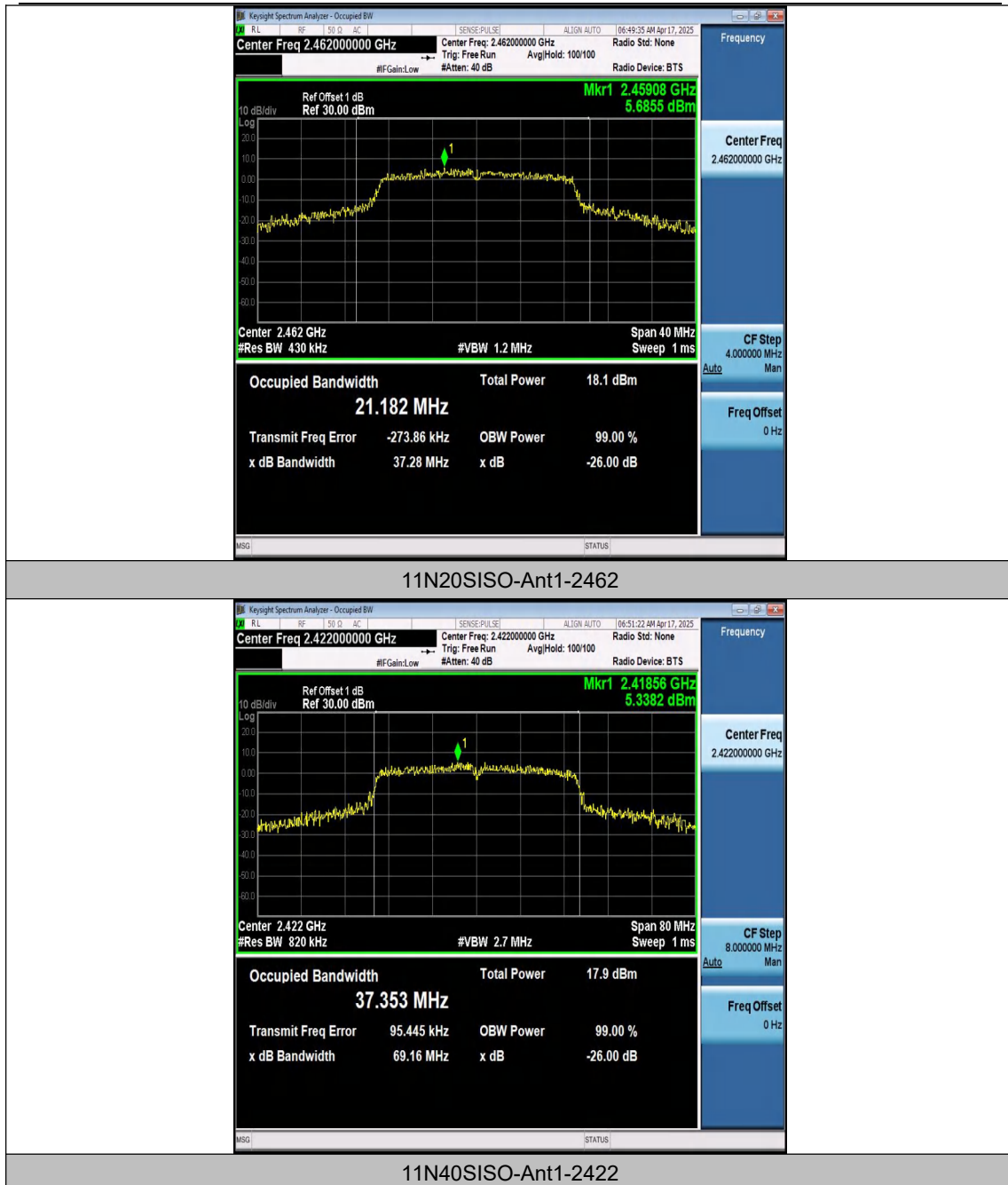
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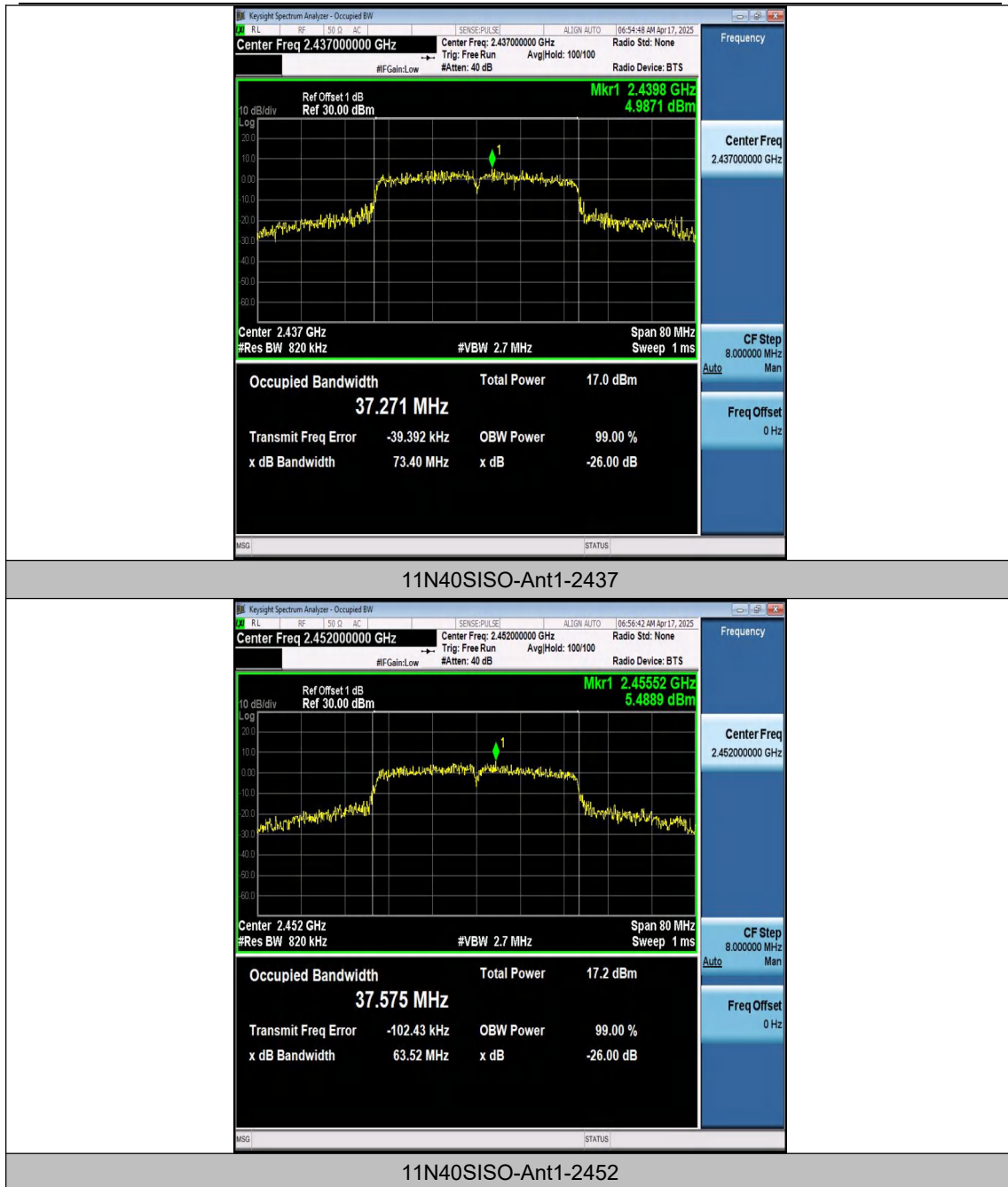
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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	11.09	49.49	3.05	14.14	≤30.0 0	PASS
11B	Ant1	2437	11.14	54.78	2.61	13.75	≤30.0 0	PASS
11B	Ant1	2462	11.19	54.80	2.61	13.80	≤30.0 0	PASS
11G	Ant1	2412	3.73	16.90	7.72	11.45	≤30.0 0	PASS
11G	Ant1	2437	3.19	16.00	7.96	11.15	≤30.0 0	PASS
11G	Ant1	2462	5.43	15.90	7.99	13.42	≤30.0 0	PASS
11N20SI SO	Ant1	2412	3.37	15.71	8.04	11.41	≤30.0 0	PASS
11N20SI SO	Ant1	2437	4.40	10.00	10.00	14.40	≤30.0 0	PASS
11N20SI SO	Ant1	2462	5.65	15.71	8.04	13.69	≤30.0 0	PASS
11N40SI SO	Ant1	2422	2.38	8.49	10.71	13.09	≤30.0 0	PASS
11N40SI SO	Ant1	2437	2.26	7.81	11.07	13.33	≤30.0 0	PASS
11N40SI SO	Ant1	2452	2.86	8.49	10.71	13.57	≤30.0 0	PASS

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

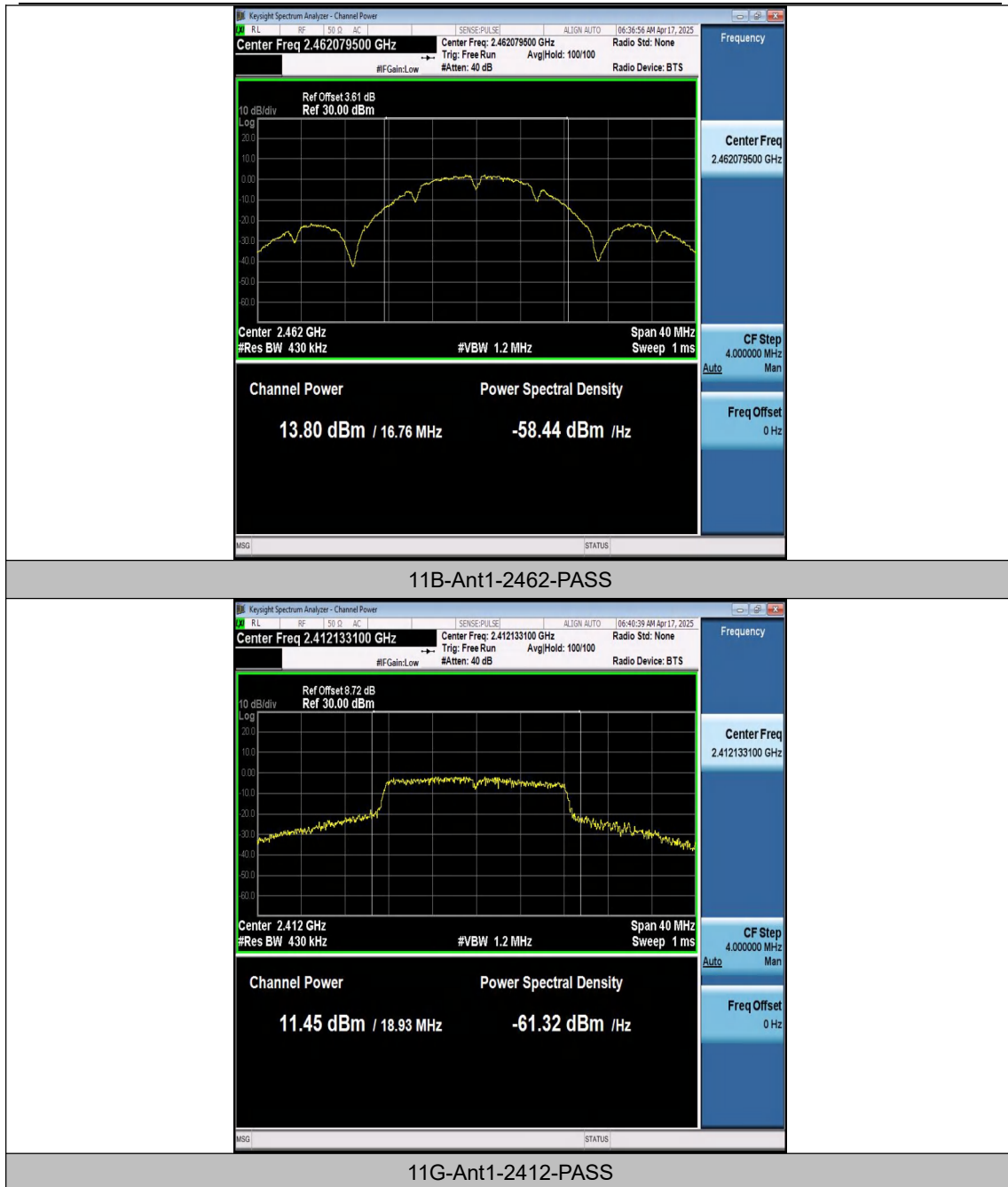
Test Graphs Average

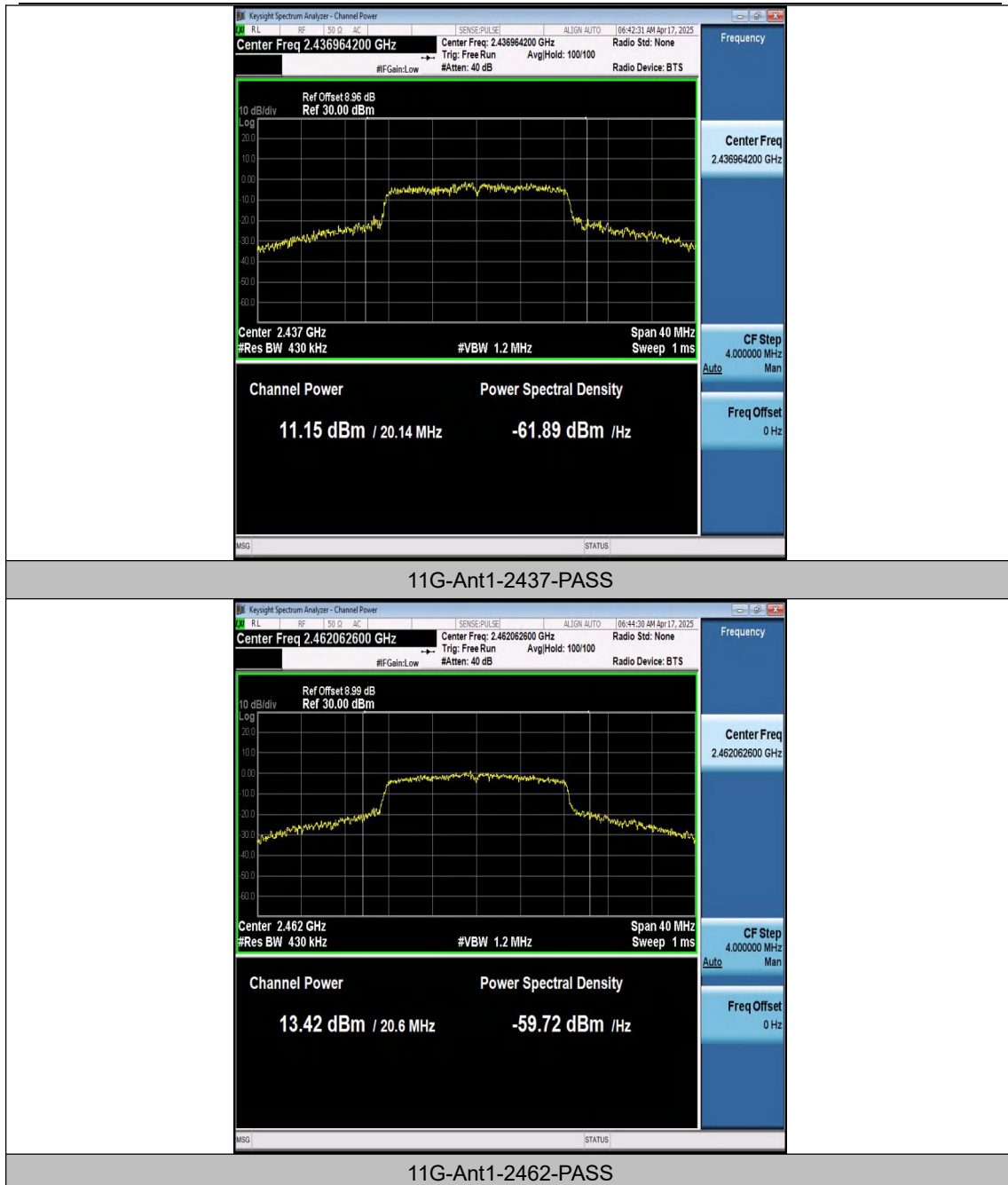


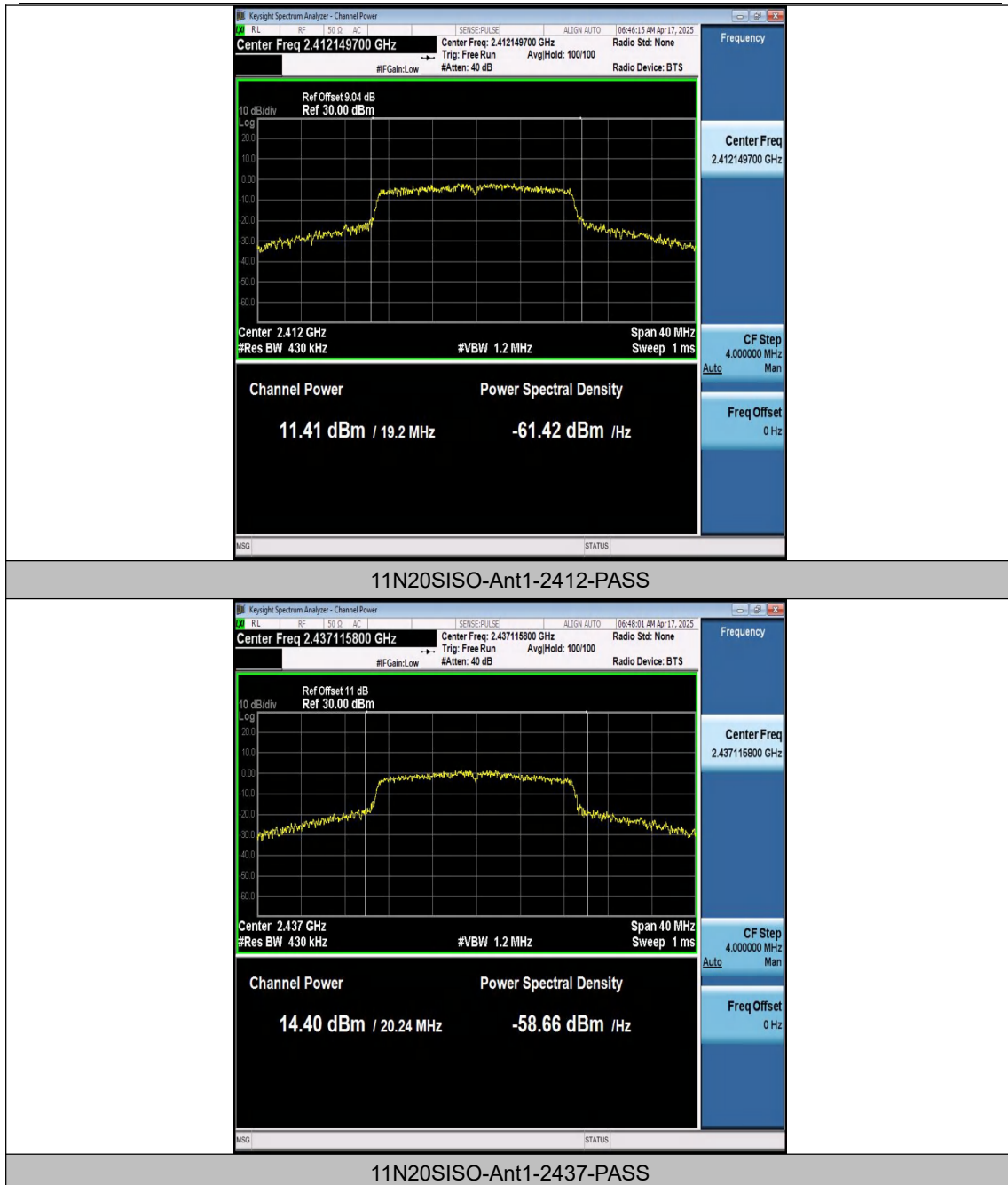
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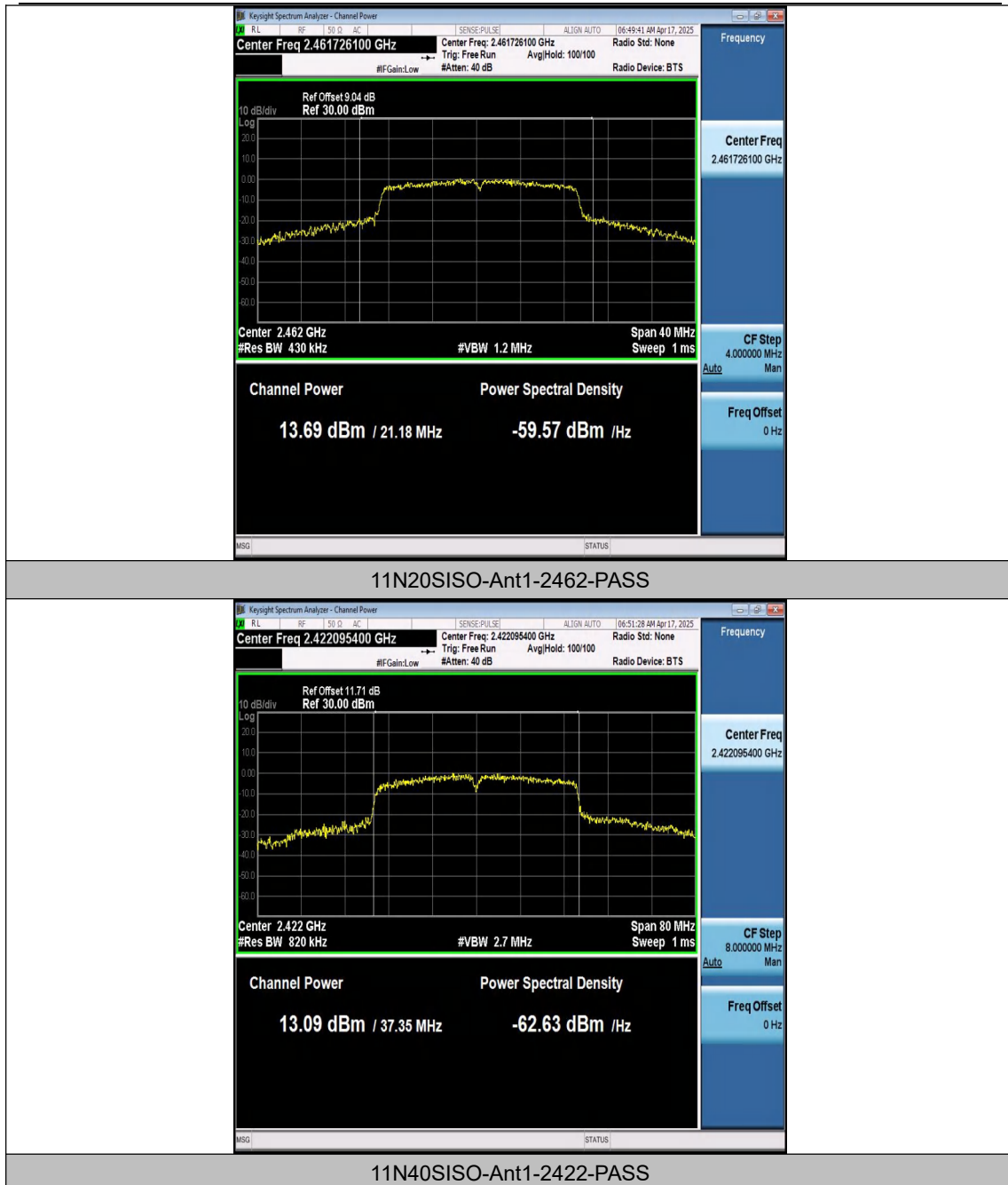
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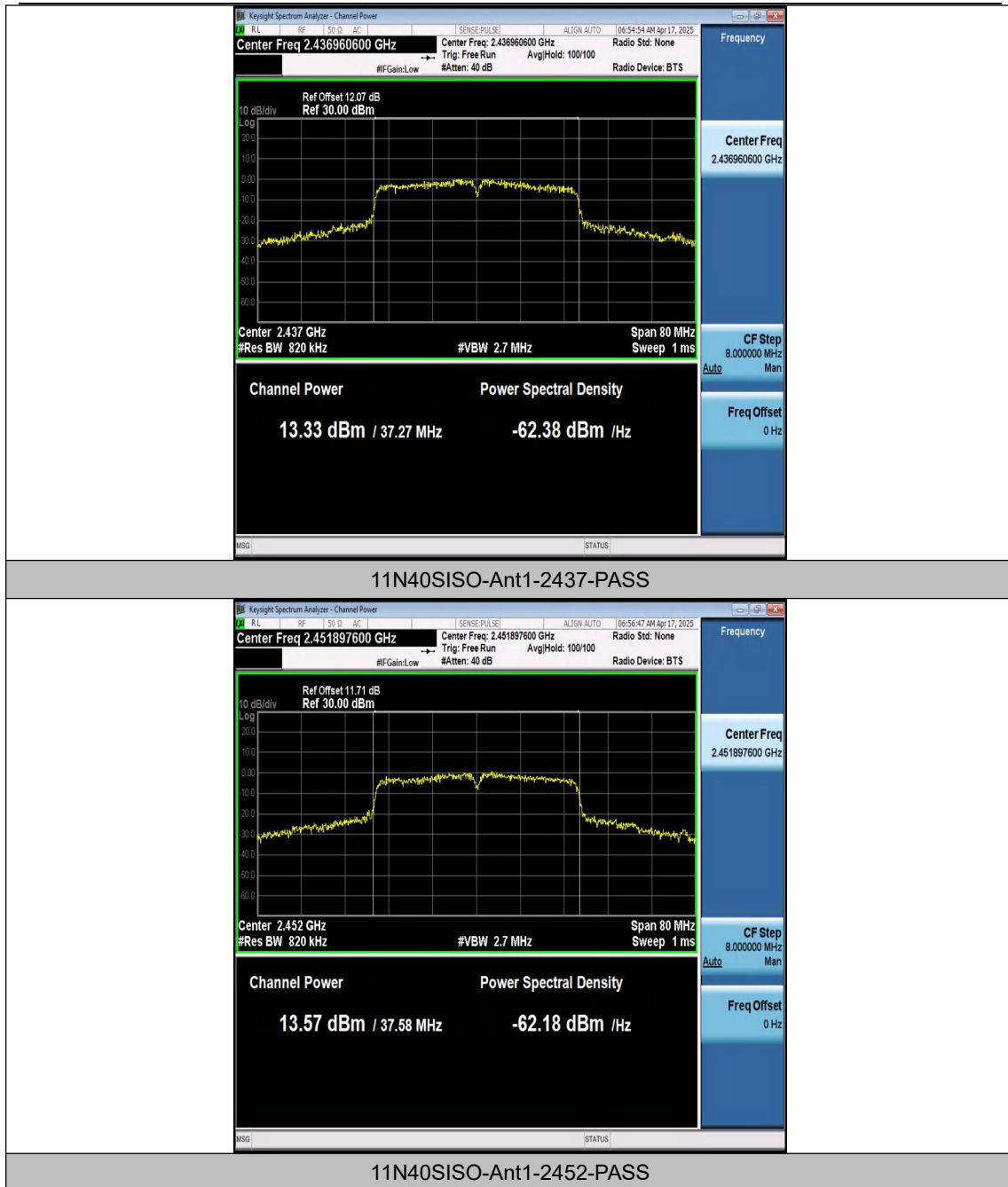
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Appendix D: Maximum power spectral density

Test Result

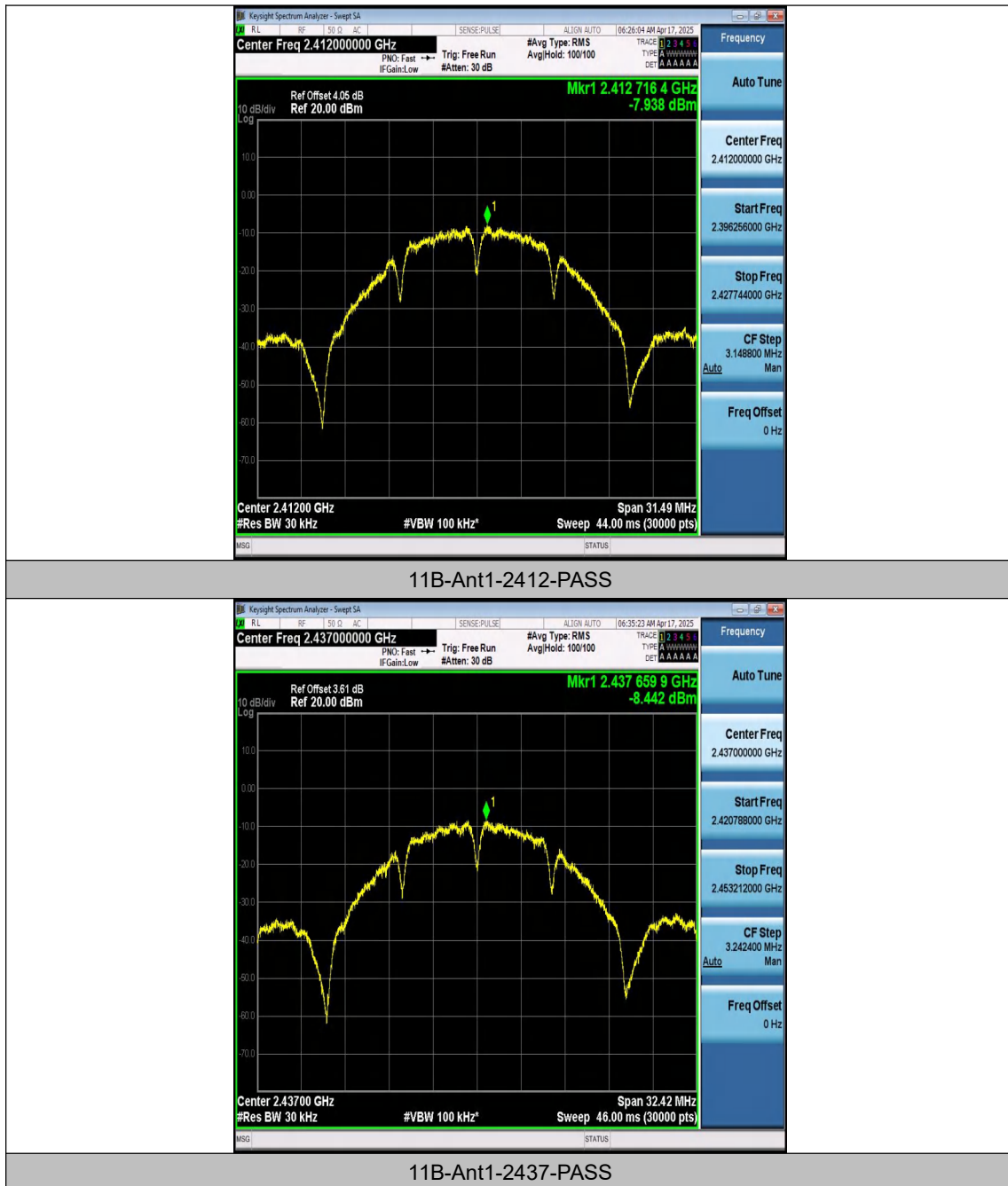
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.94	-17.94	≤8.00	PASS
11B	Ant1	2437	-8.44	-18.44	≤8.00	PASS
11B	Ant1	2462	-8.33	-18.33	≤8.00	PASS
11G	Ant1	2412	-9.83	-19.83	≤8.00	PASS
11G	Ant1	2437	-7.75	-17.75	≤8.00	PASS
11G	Ant1	2462	-8.25	-18.25	≤8.00	PASS
11N20SIS O	Ant1	2412	-7.65	-17.65	≤8.00	PASS
11N20SIS O	Ant1	2437	-7.21	-17.21	≤8.00	PASS
11N20SIS O	Ant1	2462	-8.89	-18.89	≤8.00	PASS
11N40SIS O	Ant1	2422	-11.38	-21.38	≤8.00	PASS
11N40SIS O	Ant1	2437	-11.06	-21.06	≤8.00	PASS
11N40SIS O	Ant1	2452	-12.08	-22.08	≤8.00	PASS

Note:

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



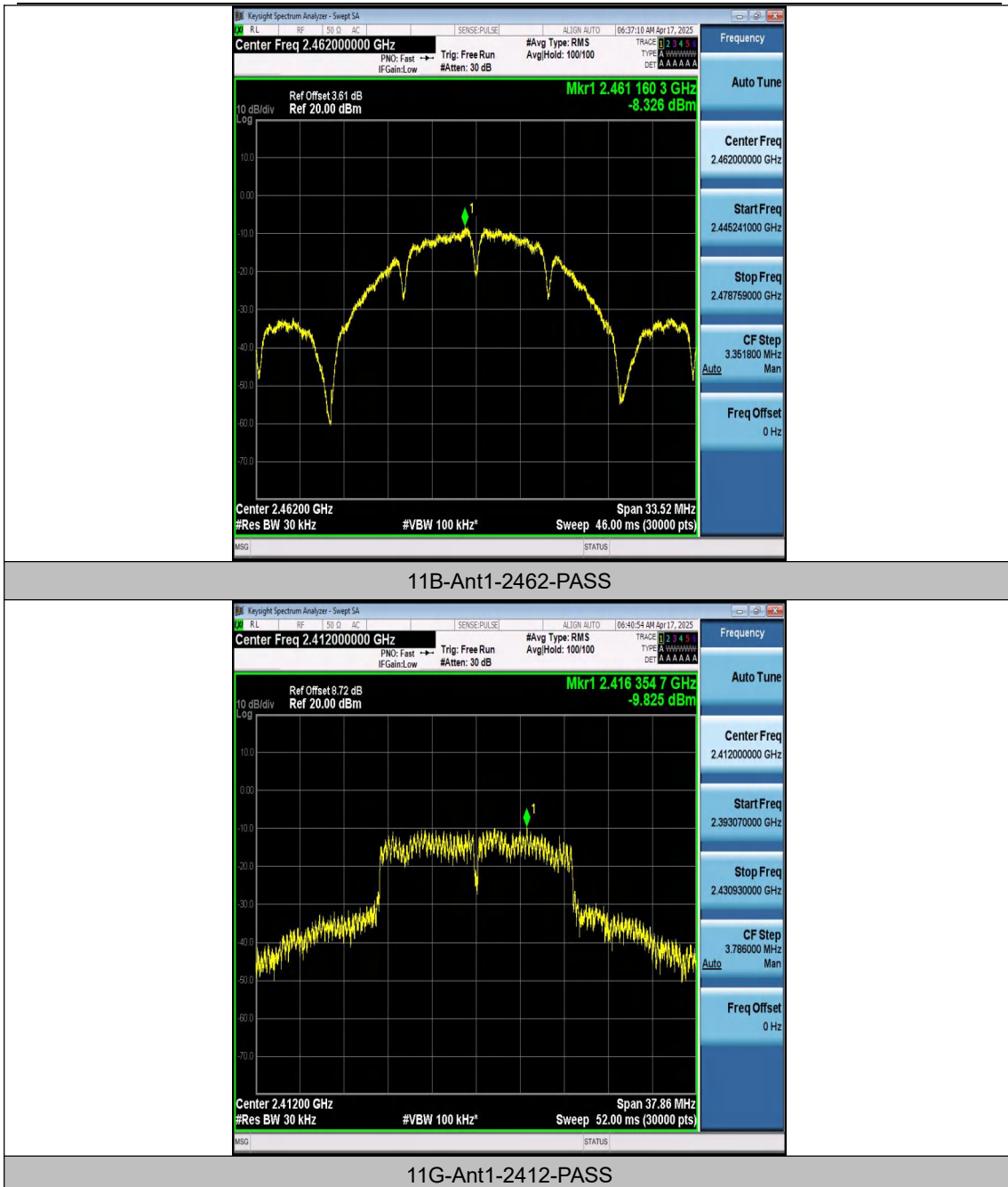
Test Graphs



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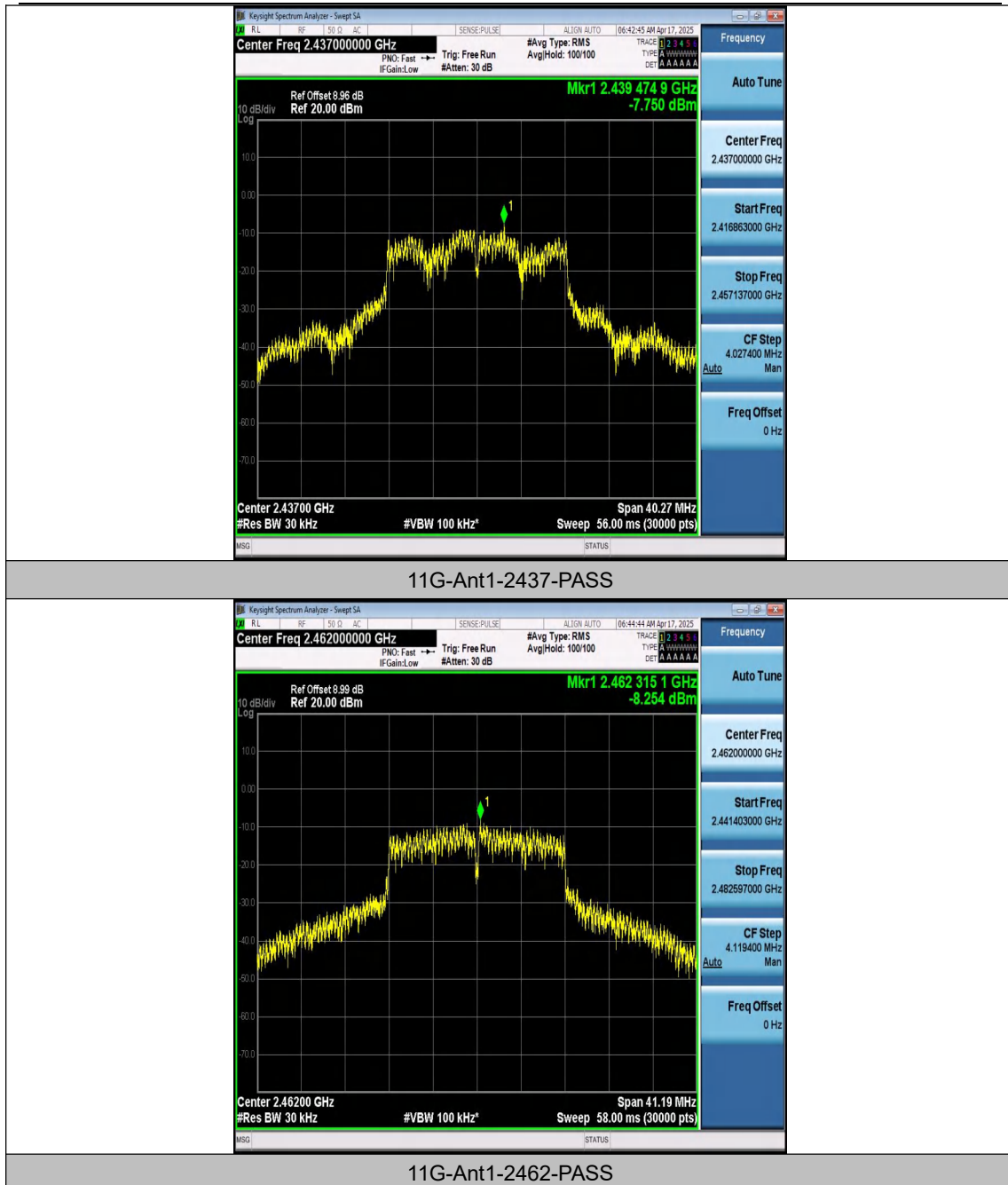


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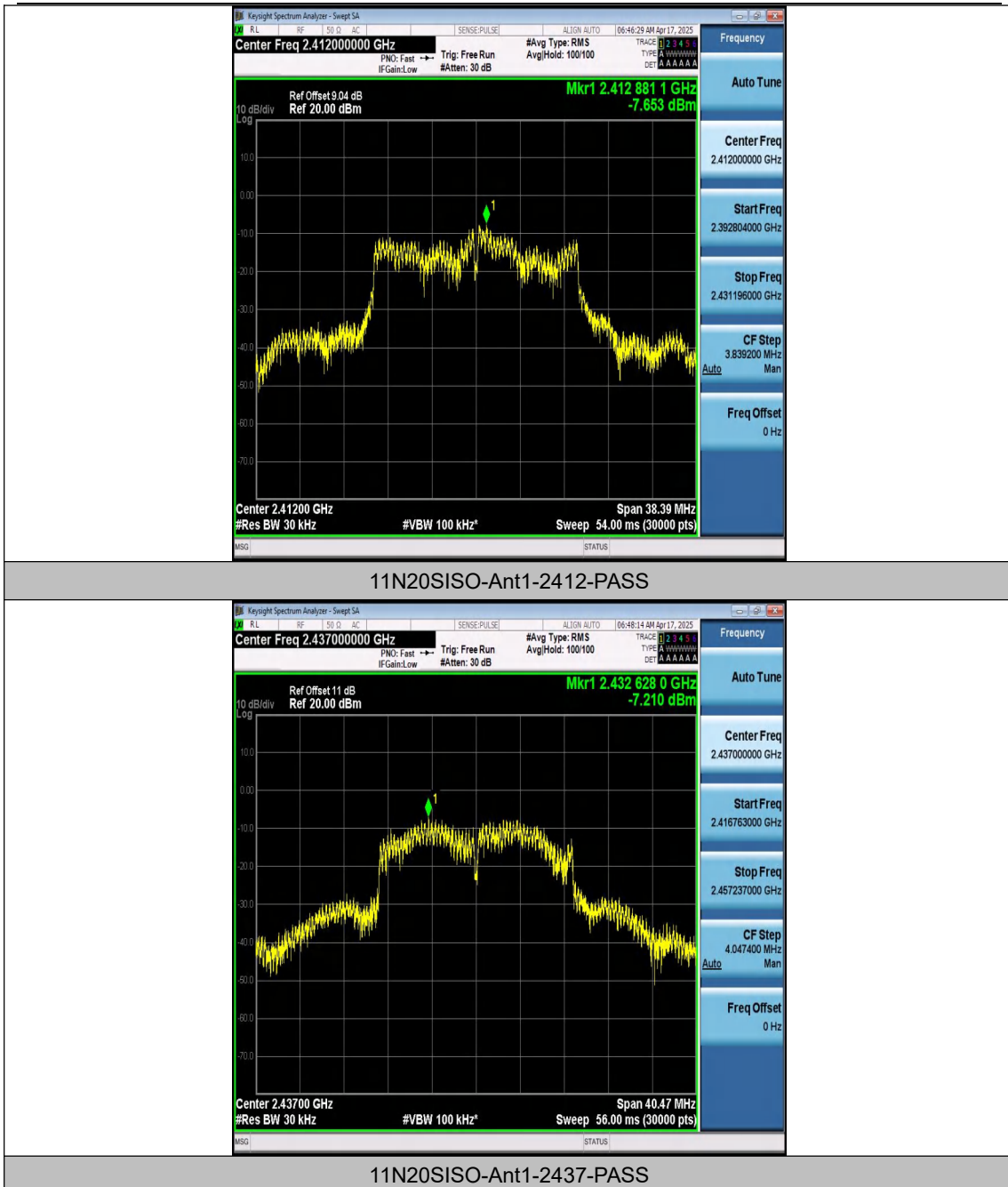


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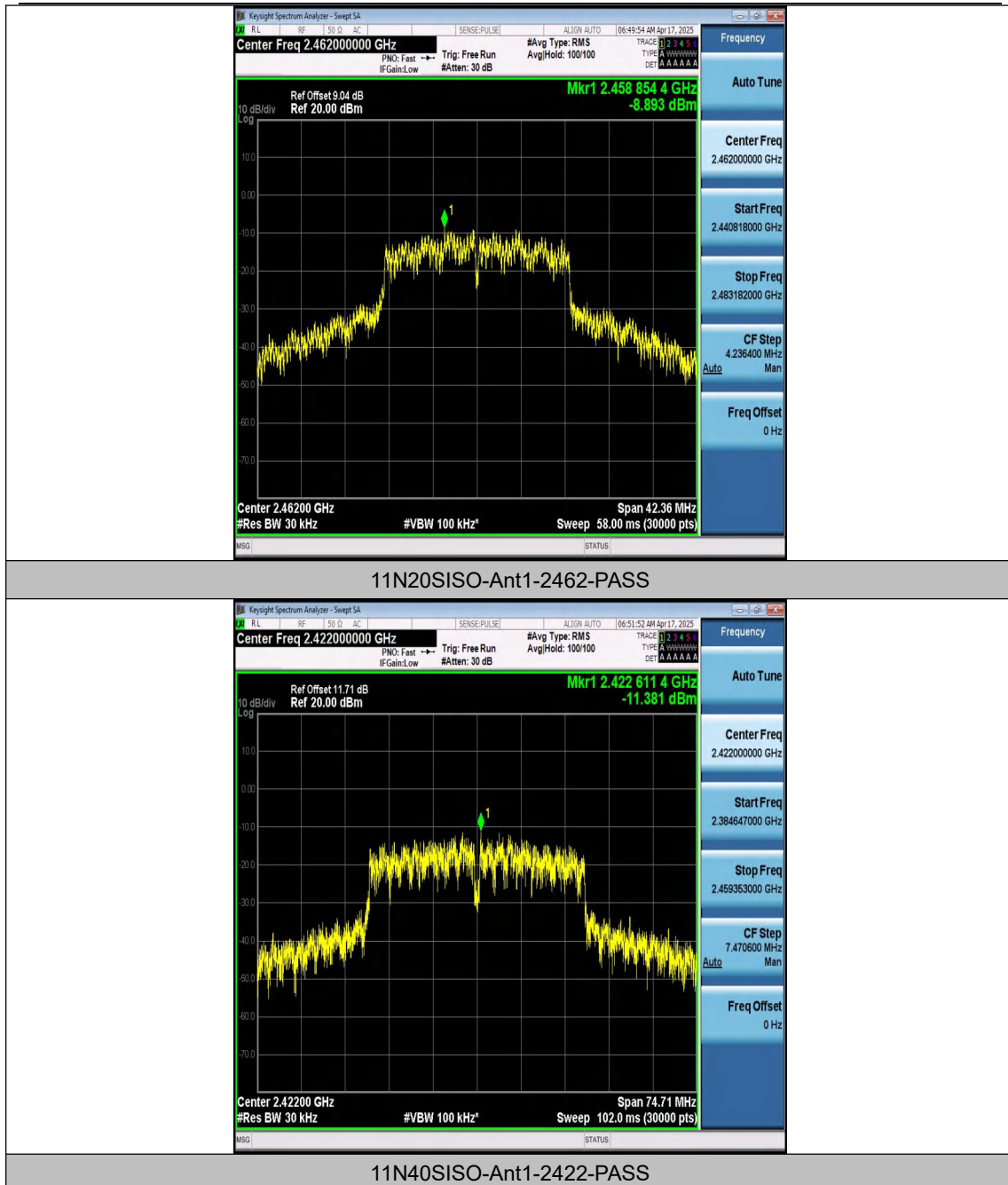
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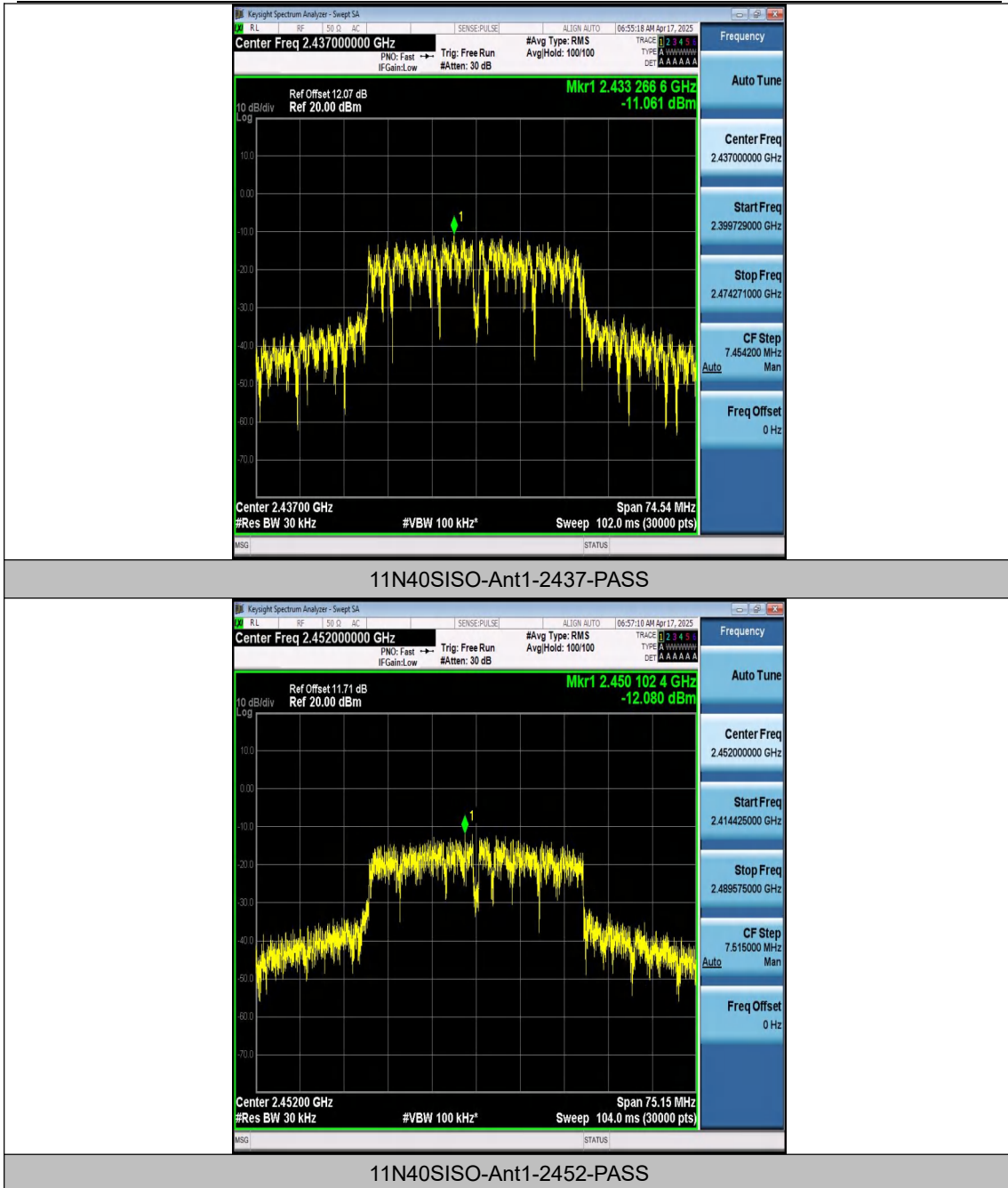


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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.68	-47.86	≤-25.32	PASS
11B	Ant1	High	2462	3.70	-55.43	≤-26.3	PASS
11G	Ant1	Low	2412	0.31	-41.95	≤-29.7	PASS
11G	Ant1	High	2462	-1.18	-53.06	≤-31.18	PASS
11N20SISO	Ant1	Low	2412	-0.23	-40.33	≤-30.23	PASS
11N20SISO	Ant1	High	2462	0.10	-52.06	≤-29.9	PASS
11N40SISO	Ant1	Low	2422	-2.68	-42.97	≤-32.68	PASS
11N40SISO	Ant1	High	2452	-2.53	-44.09	≤-32.53	PASS



Test Graphs

