

Appendix Test Data

Report No.:	1812C50044312503	Test Sample No.:	1-2-2
Start Test Date:	2025.02.26	Finish Test Date:	2025.03.18
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	55%
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	10.360	2406.840	2417.200	0.5	PASS
11B	Ant1	2437	12.080	2430.960	2443.040	0.5	PASS
11B	Ant1	2462	11.240	2455.960	2467.200	0.5	PASS
11G	Ant1	2412	16.040	2403.880	2419.920	0.5	PASS
11G	Ant1	2437	16.280	2428.920	2445.200	0.5	PASS
11G	Ant1	2462	16.240	2453.840	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.520	2428.240	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	34.800	2404.480	2439.280	0.5	PASS
11N40SISO	Ant1	2437	36.240	2418.920	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.160	2433.920	2470.080	0.5	PASS
11AX20SISO	Ant1	2412	16.240	2404.400	2420.640	0.5	PASS
11AX20SISO	Ant1	2437	18.480	2427.640	2446.120	0.5	PASS
11AX20SISO	Ant1	2462	18.920	2452.520	2471.440	0.5	PASS
11AX40SISO	Ant1	2422	35.680	2404.320	2440.000	0.5	PASS
11AX40SISO	Ant1	2437	37.440	2418.280	2455.720	0.5	PASS
11AX40SISO	Ant1	2452	37.280	2433.280	2470.560	0.5	PASS



Test Graphs



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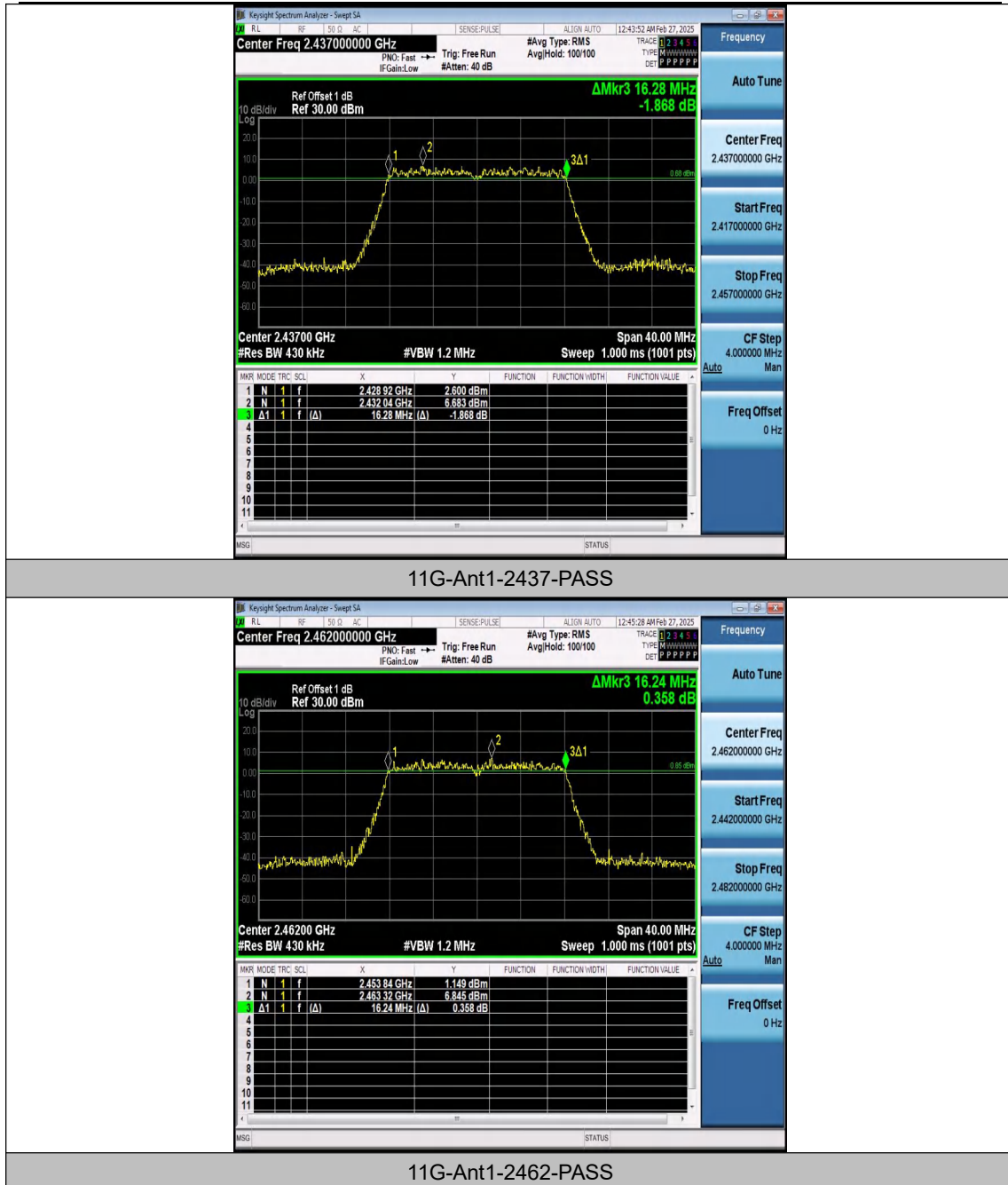
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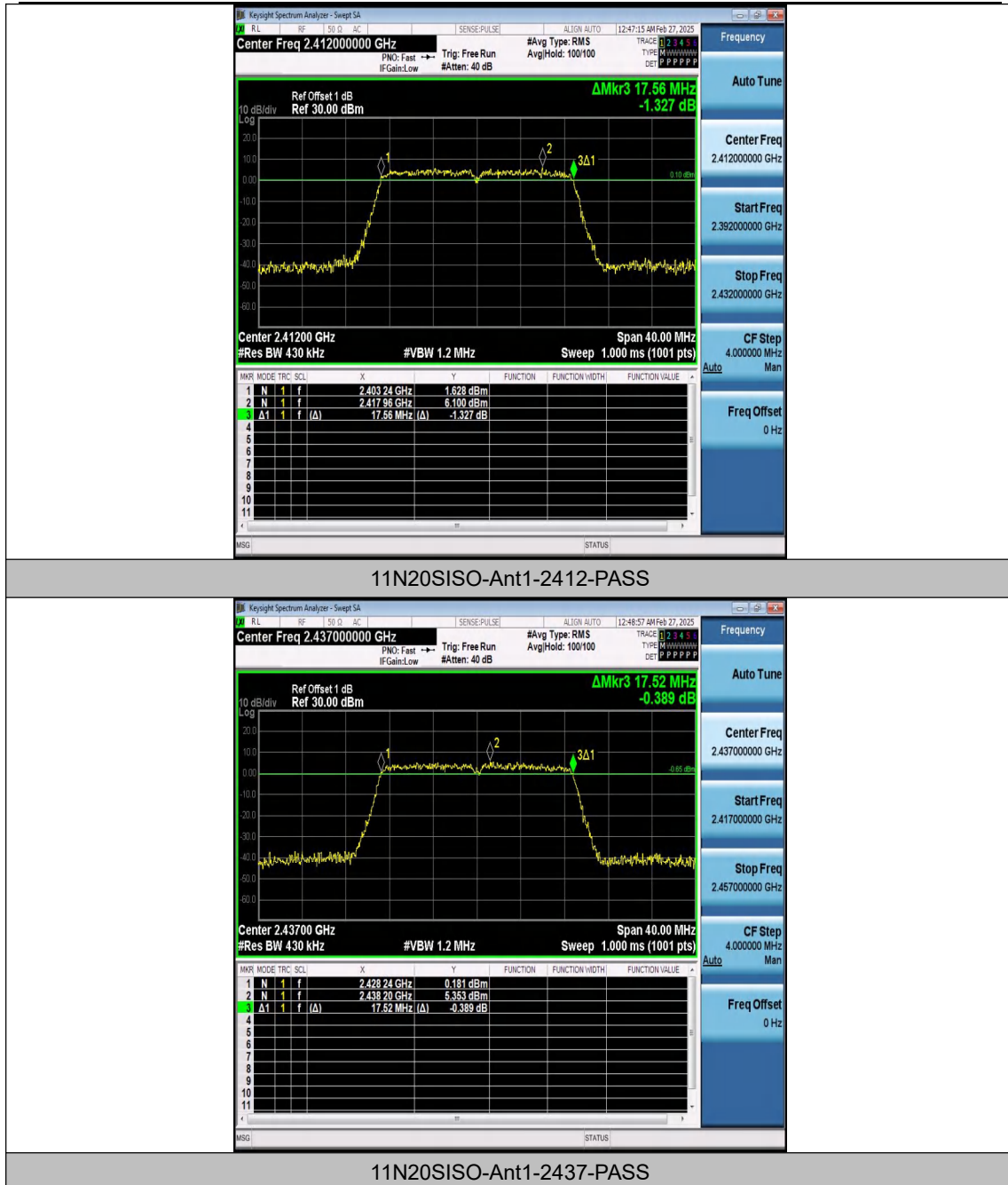


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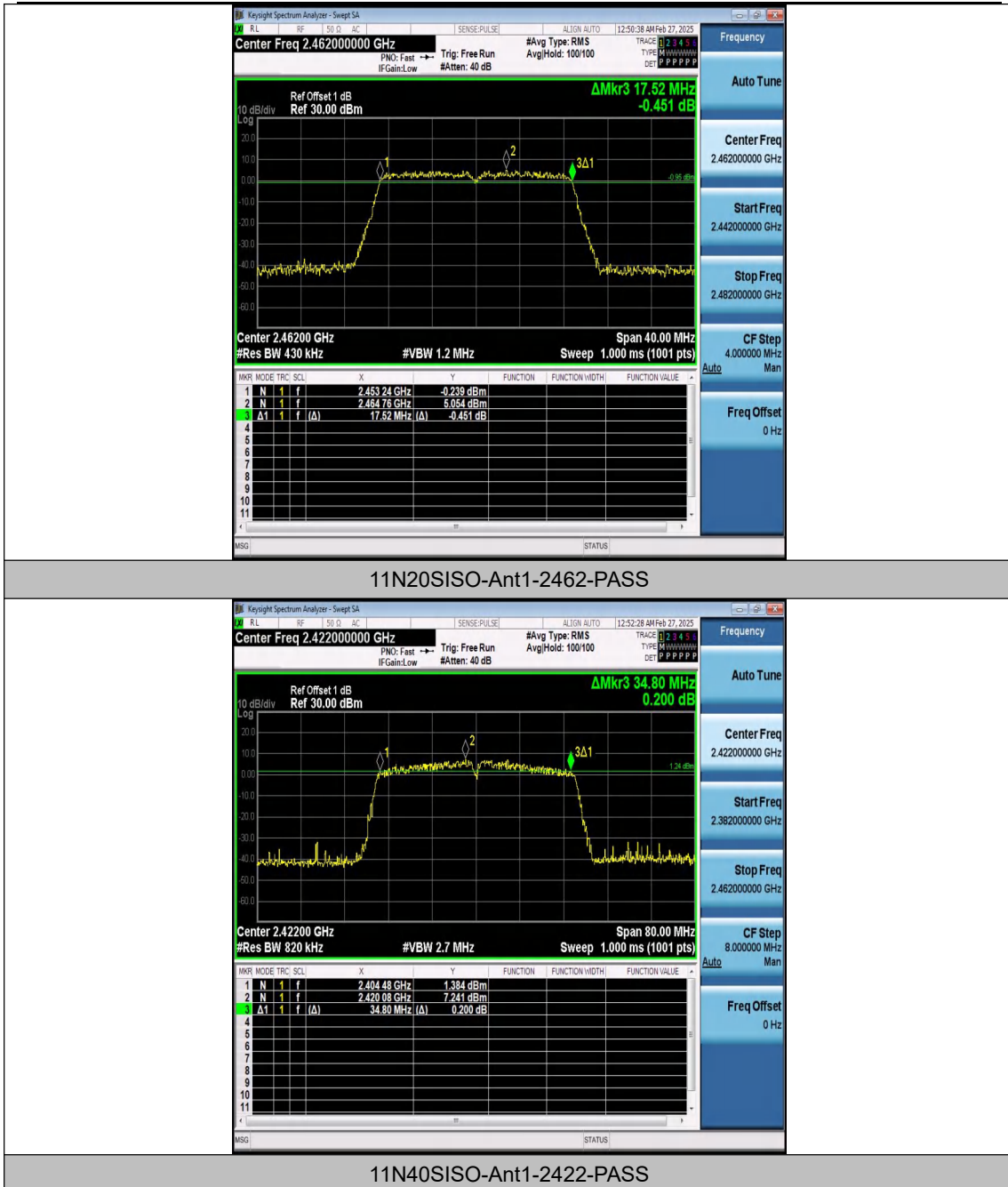


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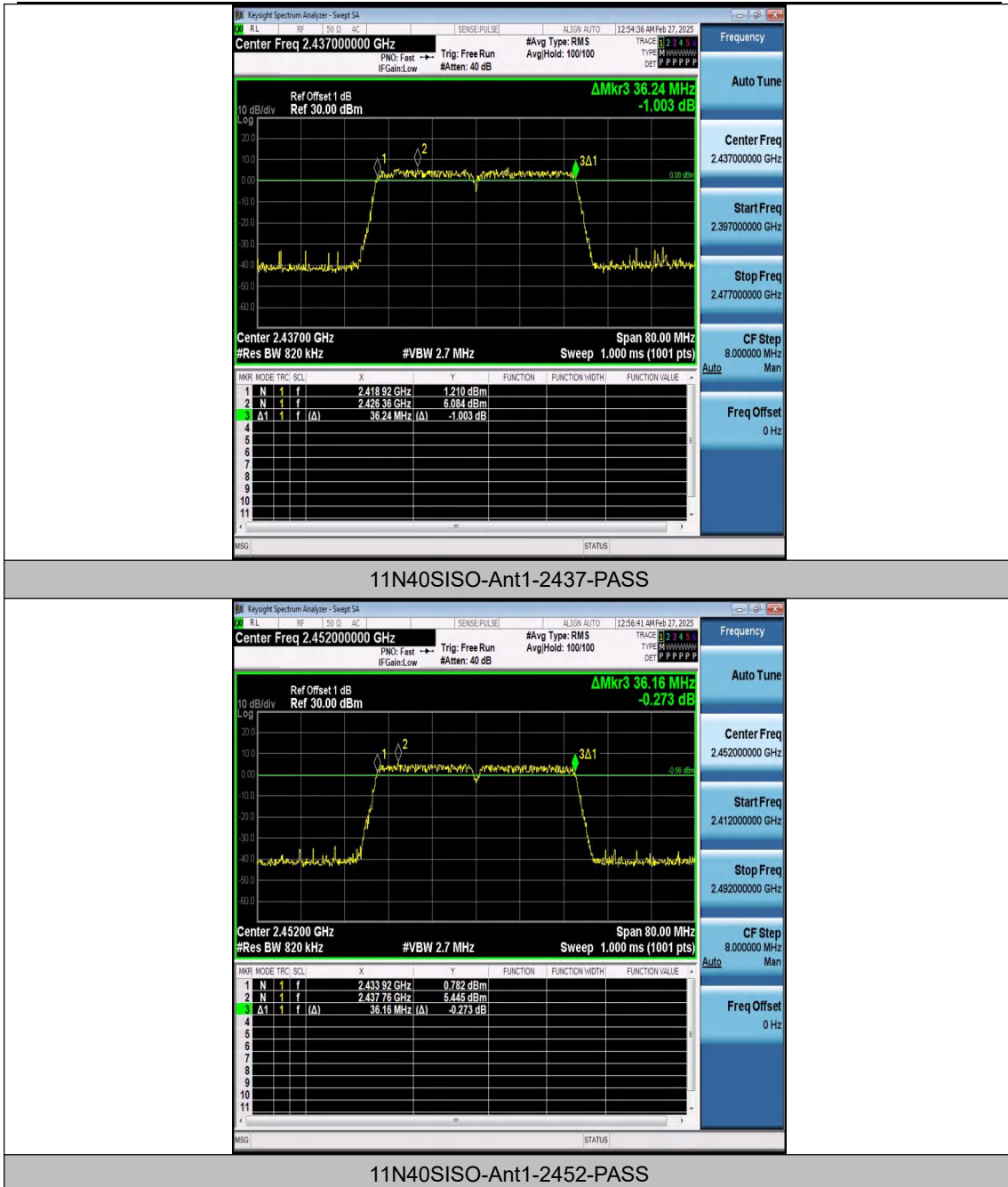


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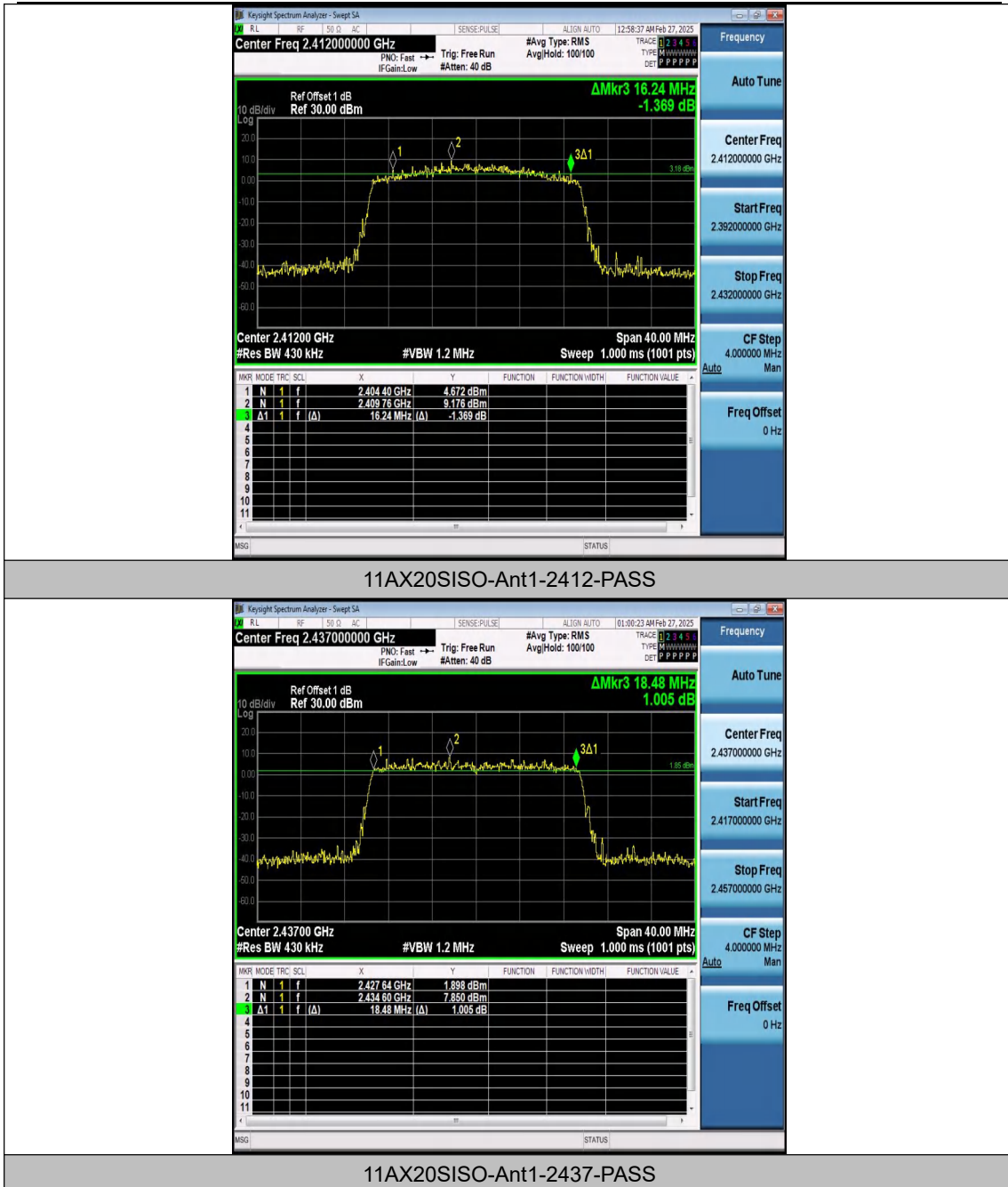
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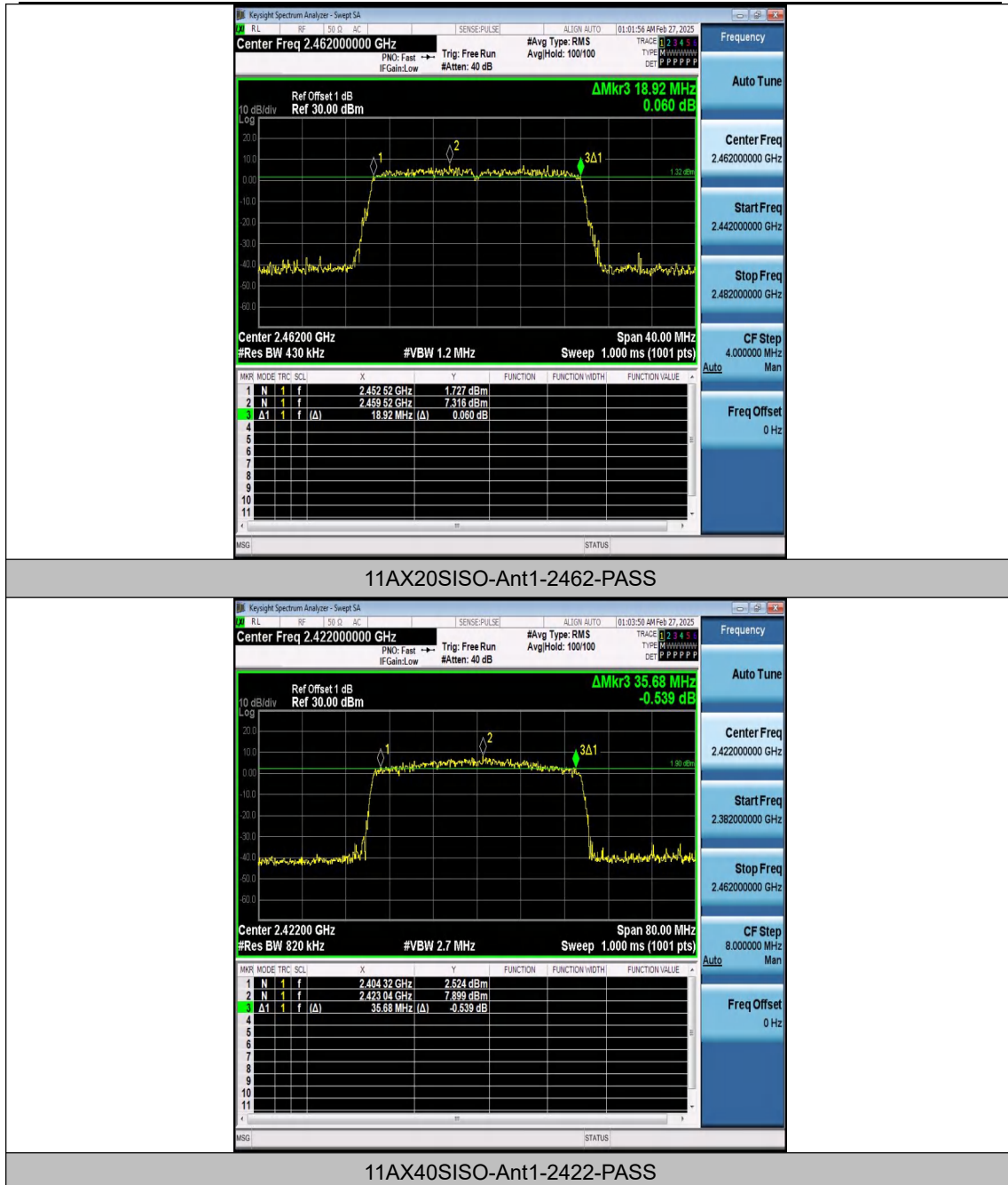
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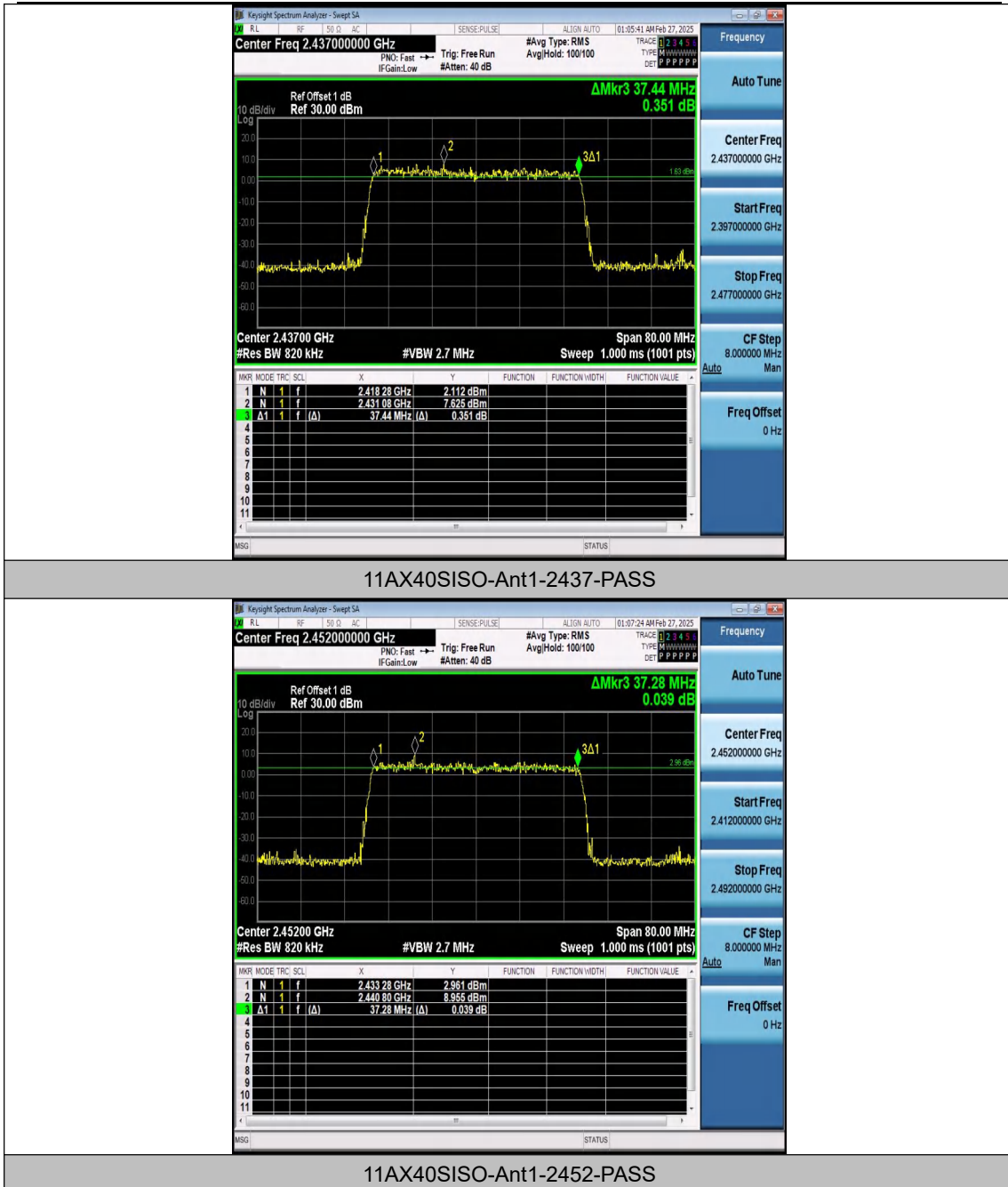


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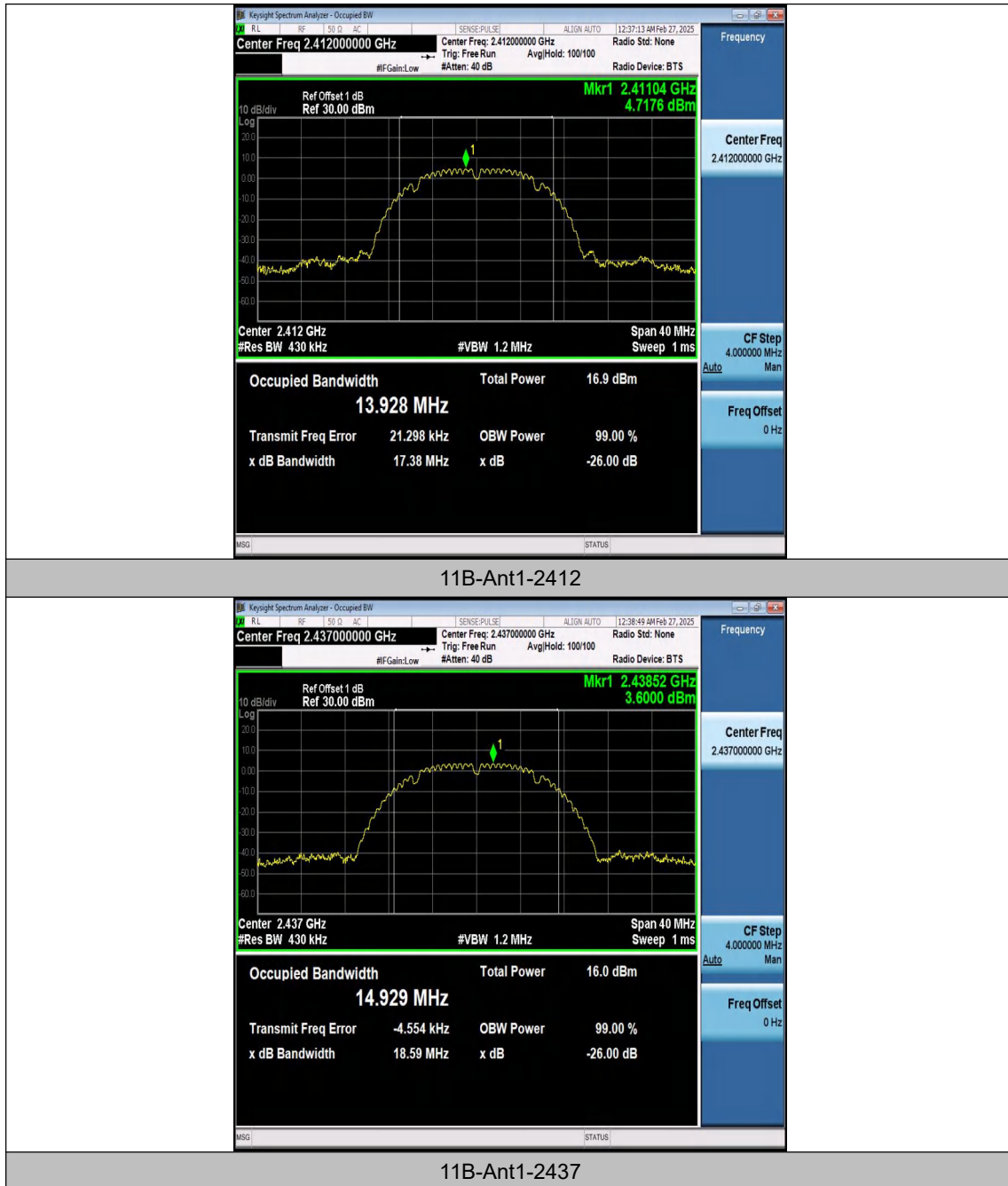
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.928	2405.0573	2418.9853	---	---
11B	Ant1	2437	14.929	2429.5310	2444.4600	---	---
11B	Ant1	2462	14.920	2454.5139	2469.4339	---	---
11G	Ant1	2412	16.418	2403.8148	2420.2328	---	---
11G	Ant1	2437	16.445	2428.7690	2445.2140	---	---
11G	Ant1	2462	16.486	2453.7448	2470.2308	---	---
11N20SISO	Ant1	2412	17.618	2403.1735	2420.7915	---	---
11N20SISO	Ant1	2437	17.574	2428.1888	2445.7628	---	---
11N20SISO	Ant1	2462	17.618	2453.1849	2470.8029	---	---
11N40SISO	Ant1	2422	35.759	2404.1180	2439.8770	---	---
11N40SISO	Ant1	2437	36.277	2418.8868	2455.1638	---	---
11N40SISO	Ant1	2452	36.196	2433.9193	2470.1153	---	---
11AX20SISO	Ant1	2412	18.558	2402.7072	2421.2652	---	---
11AX20SISO	Ant1	2437	18.866	2427.5340	2446.4000	---	---
11AX20SISO	Ant1	2462	18.891	2452.5509	2471.4419	---	---
11AX40SISO	Ant1	2422	37.230	2403.4416	2440.6716	---	---
11AX40SISO	Ant1	2437	37.928	2418.0469	2455.9749	---	---
11AX40SISO	Ant1	2452	37.885	2433.0430	2470.9280	---	---

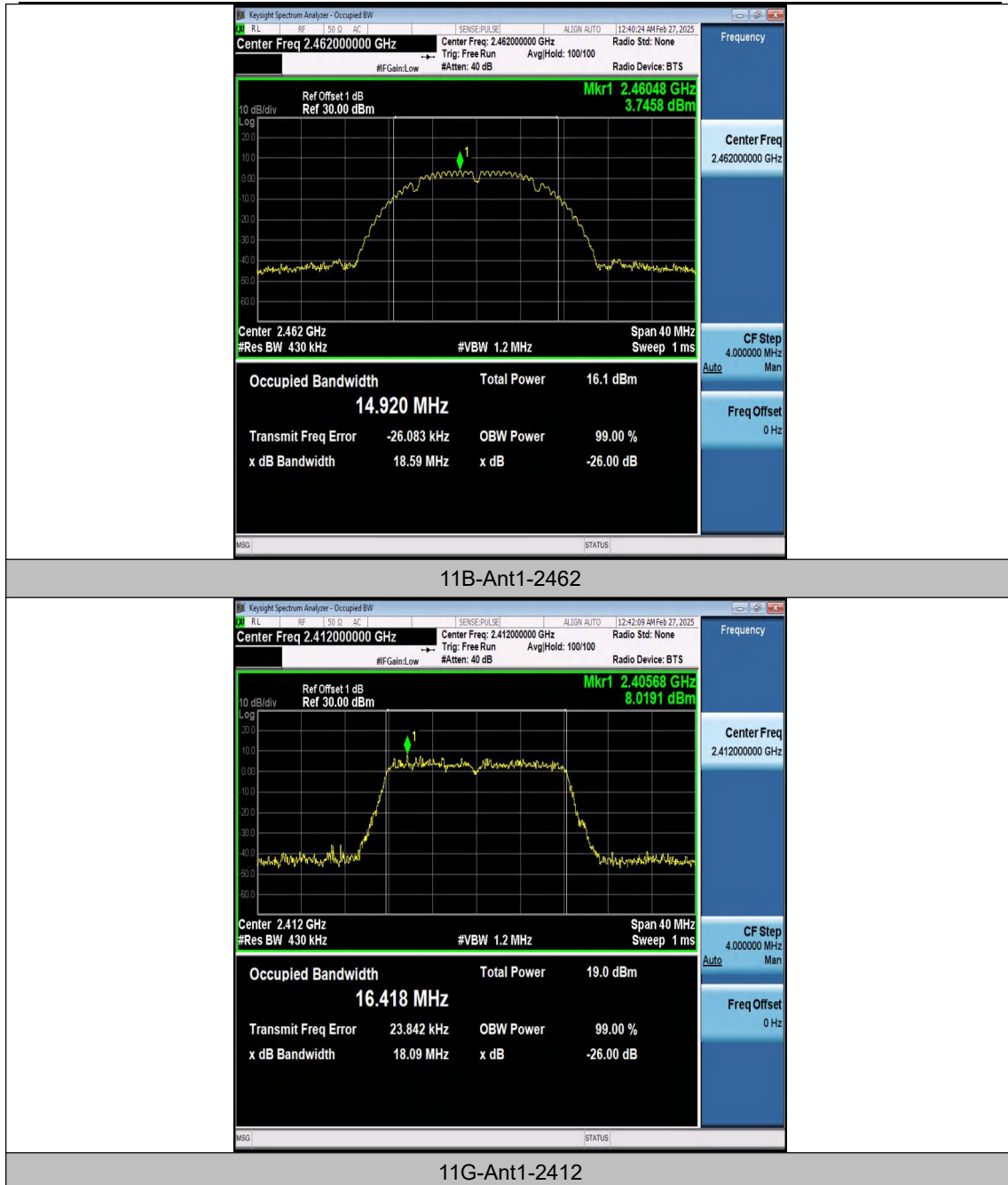
Test Graphs



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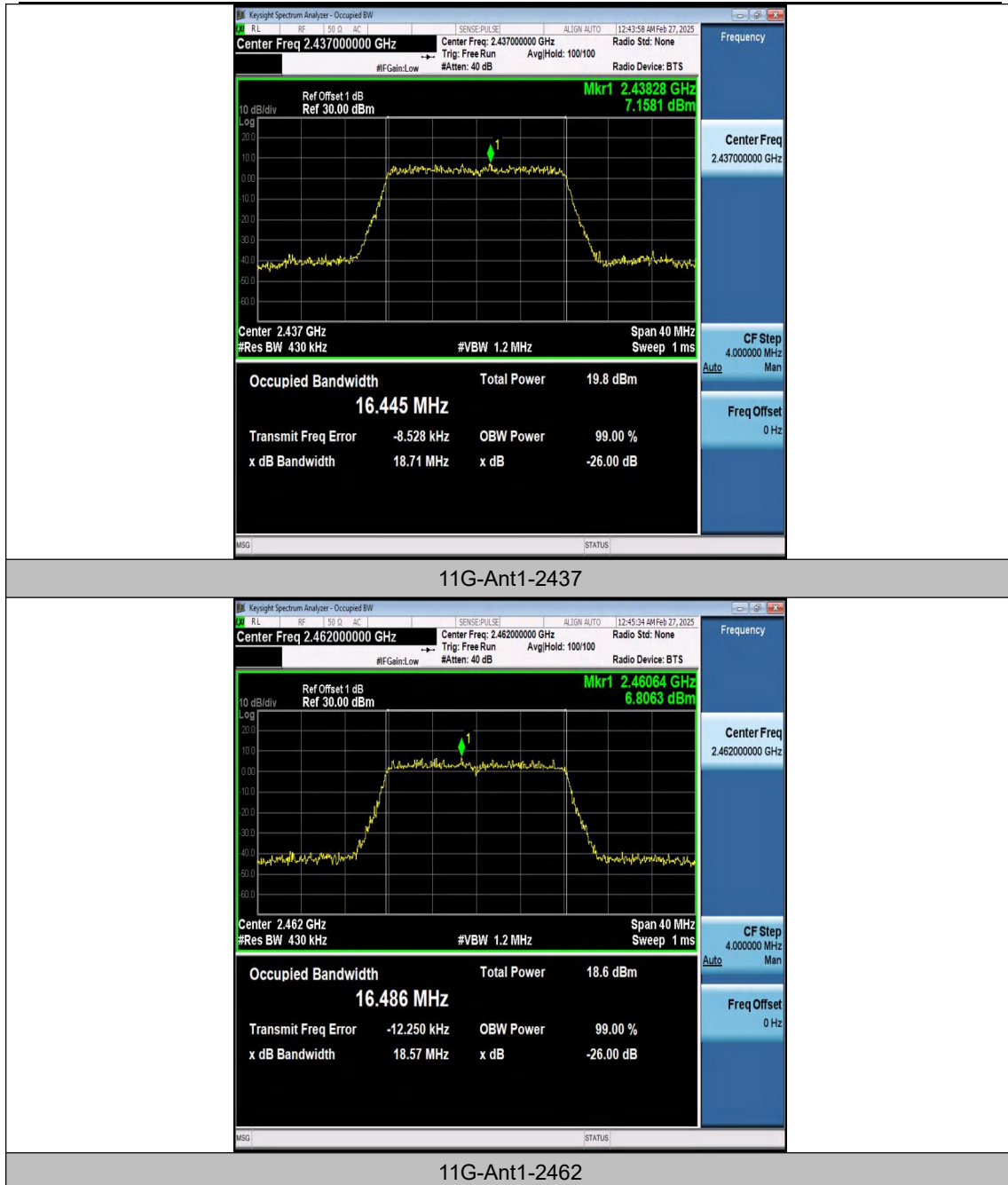


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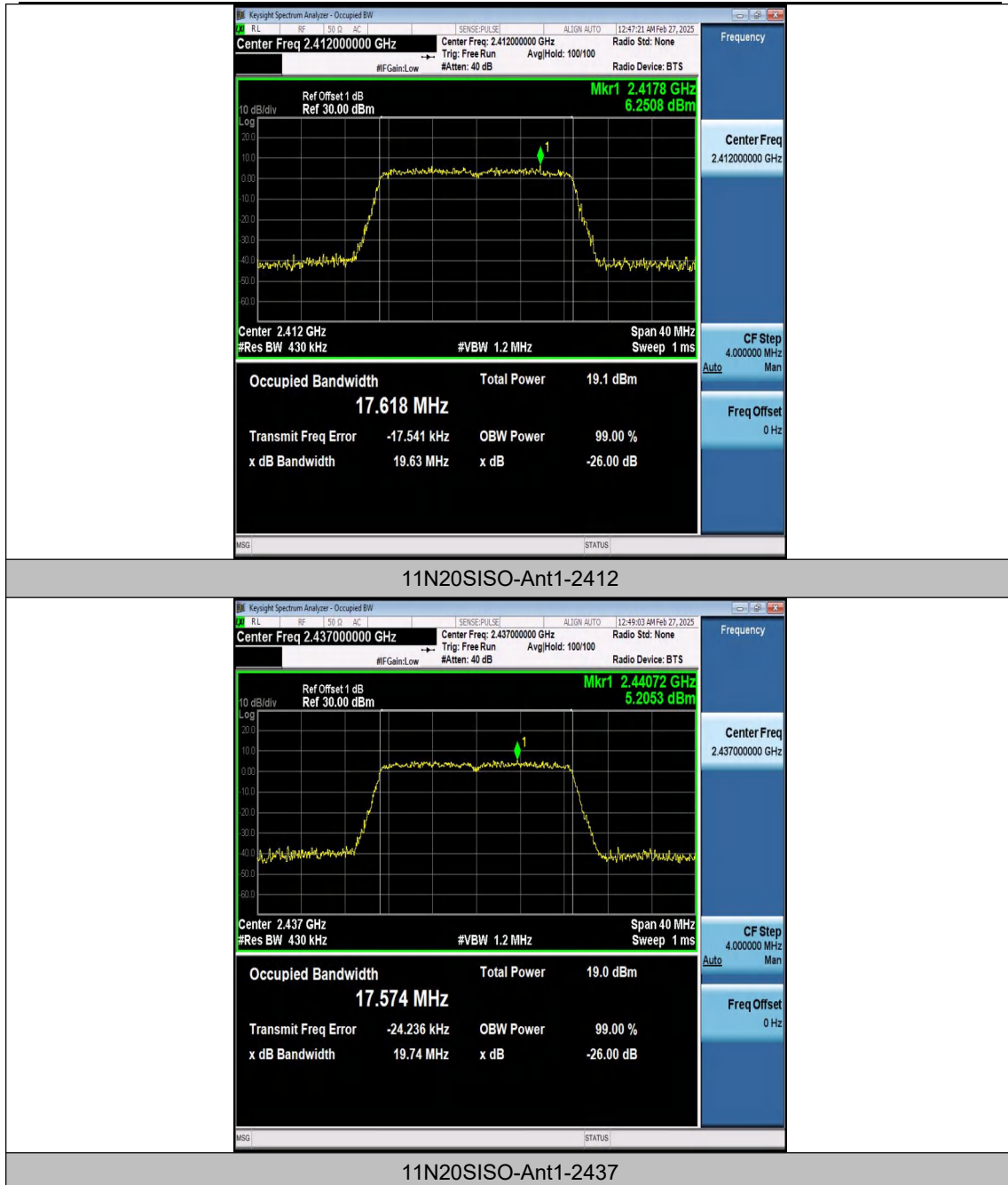


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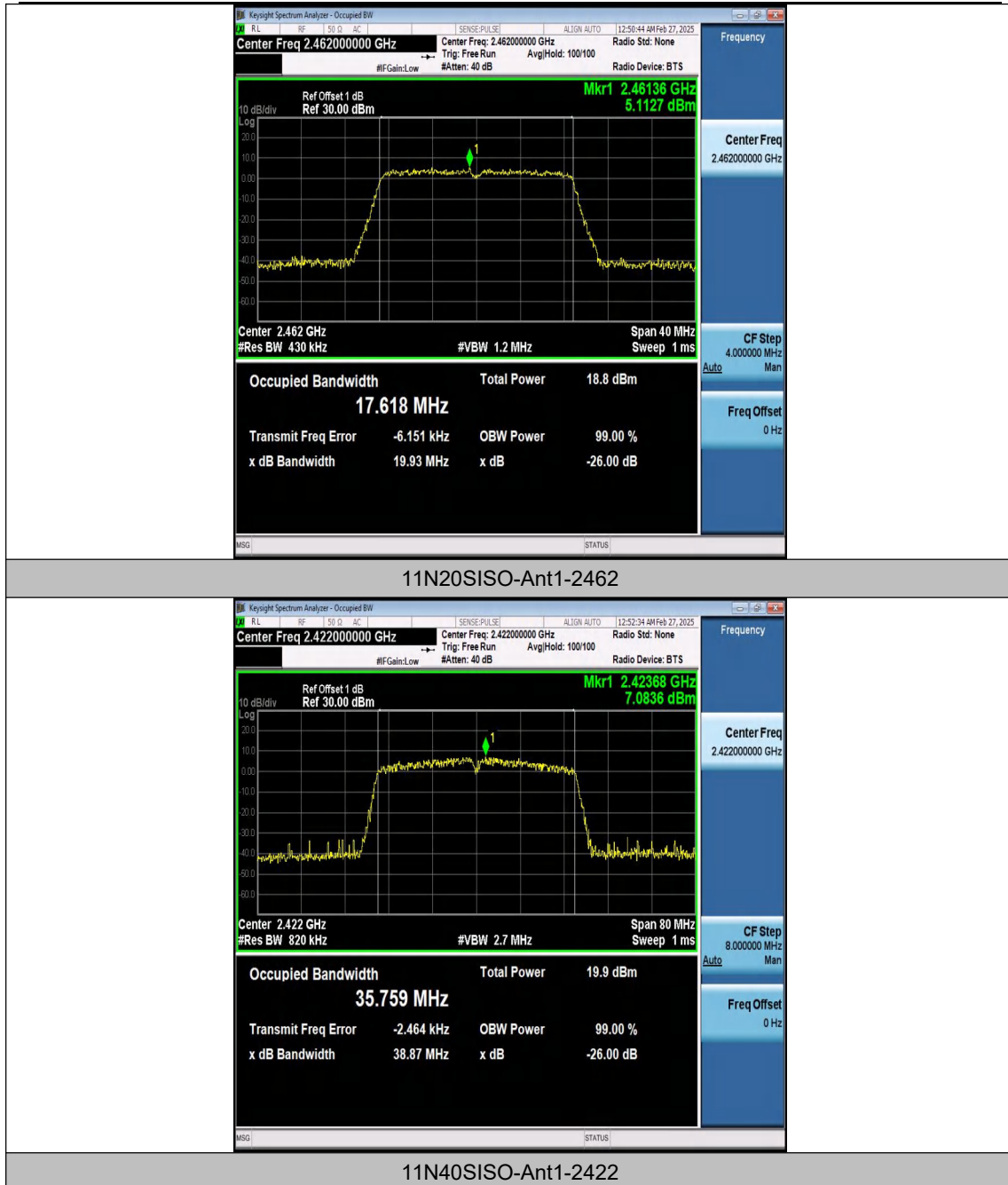


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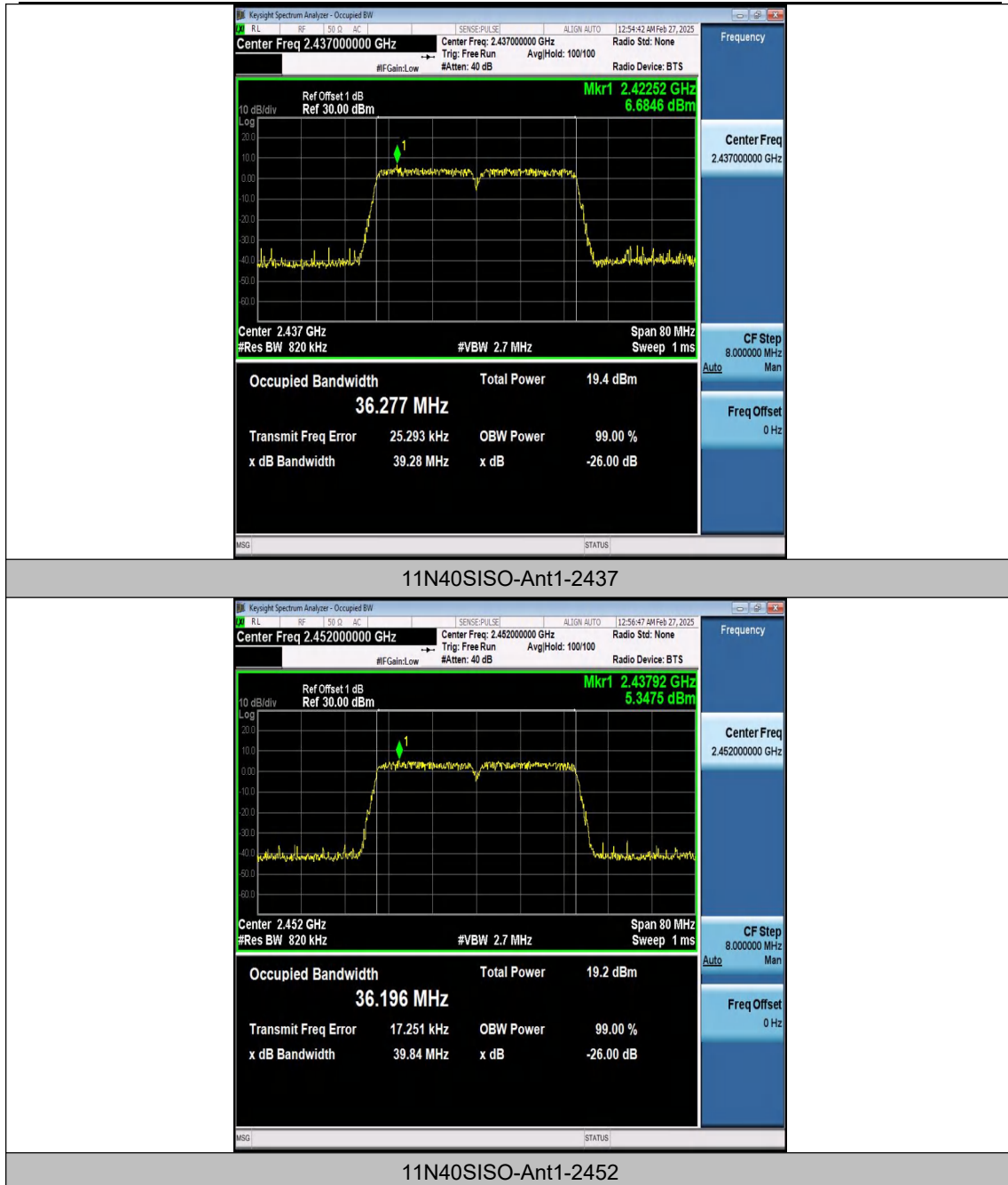


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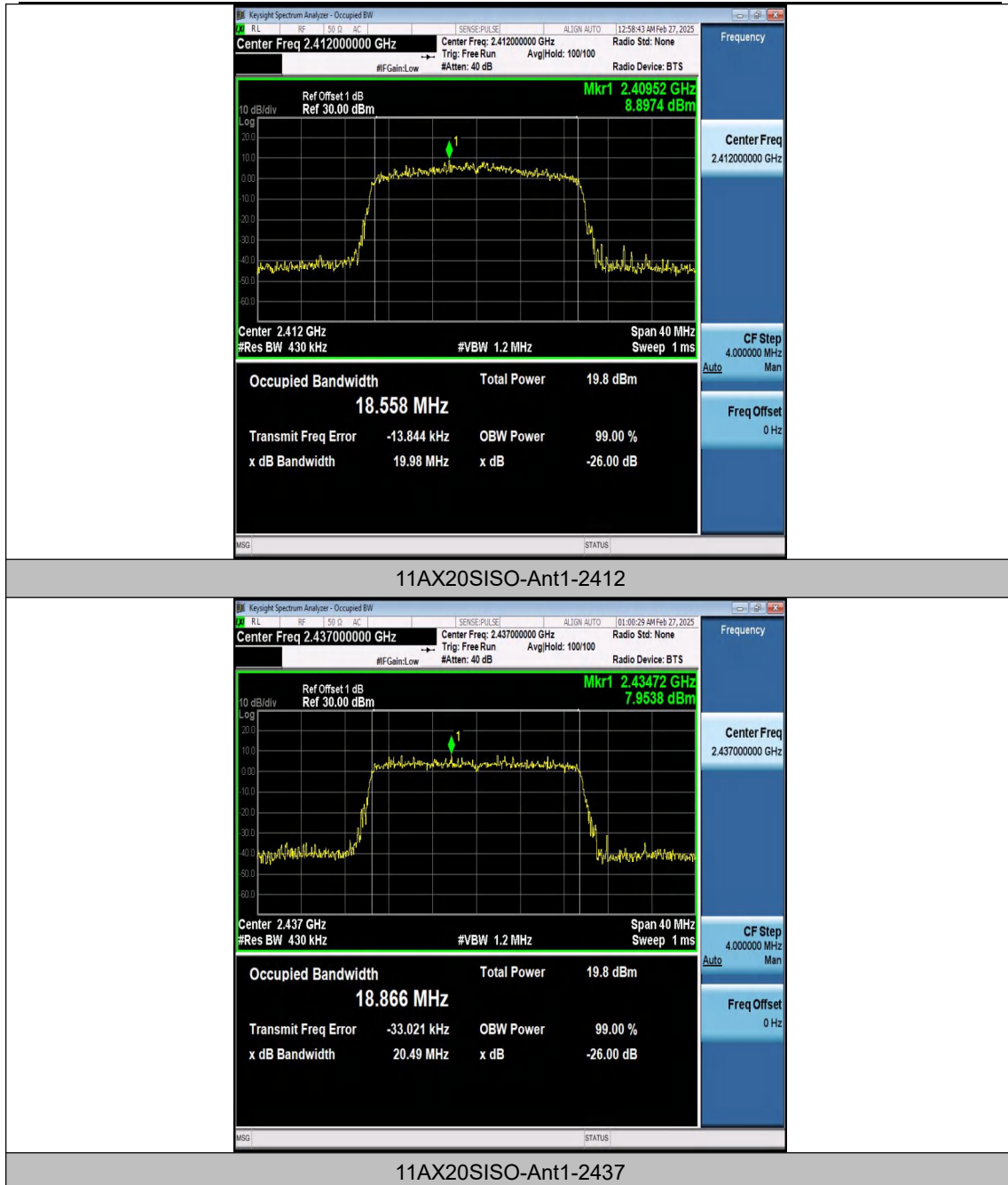


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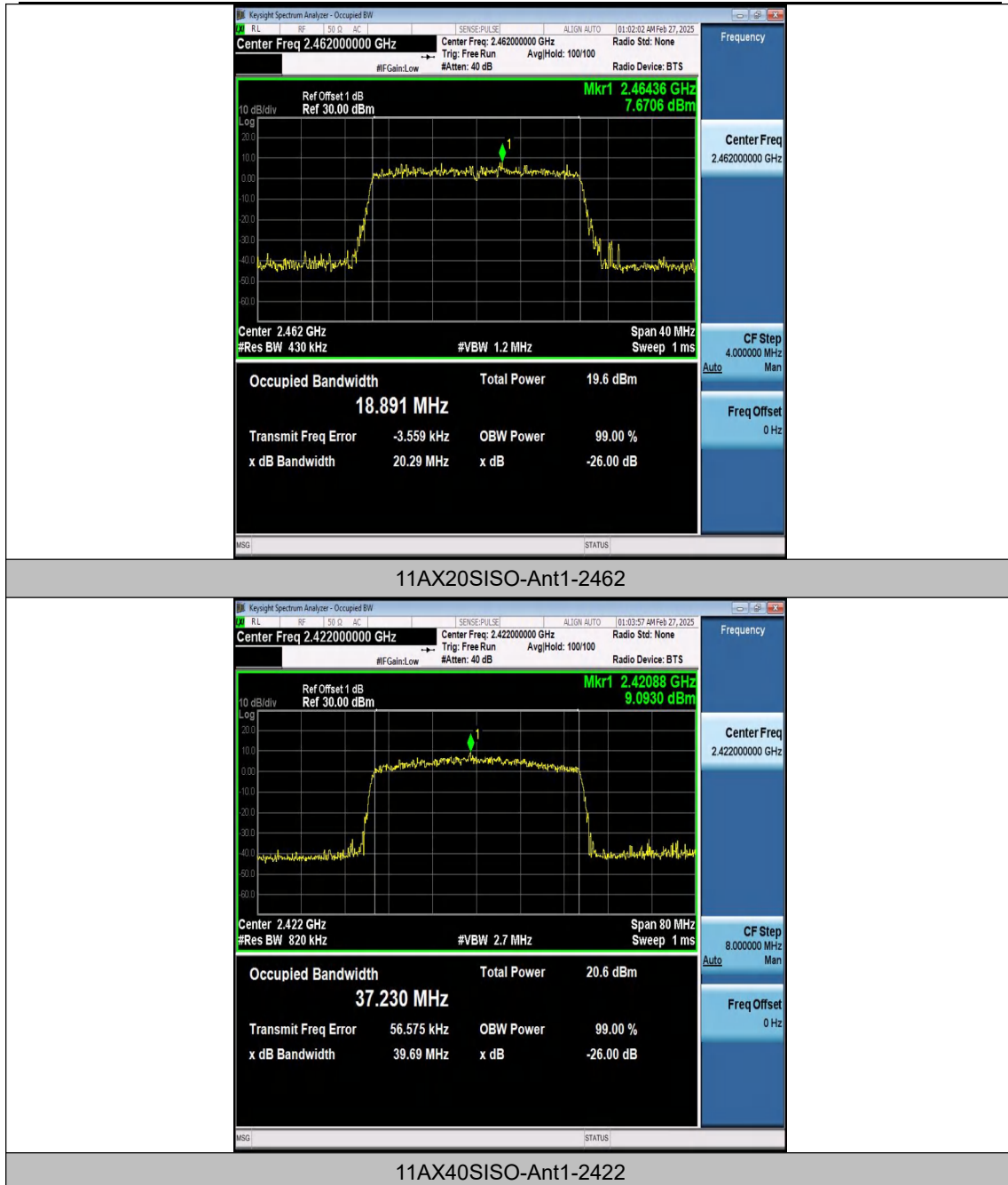


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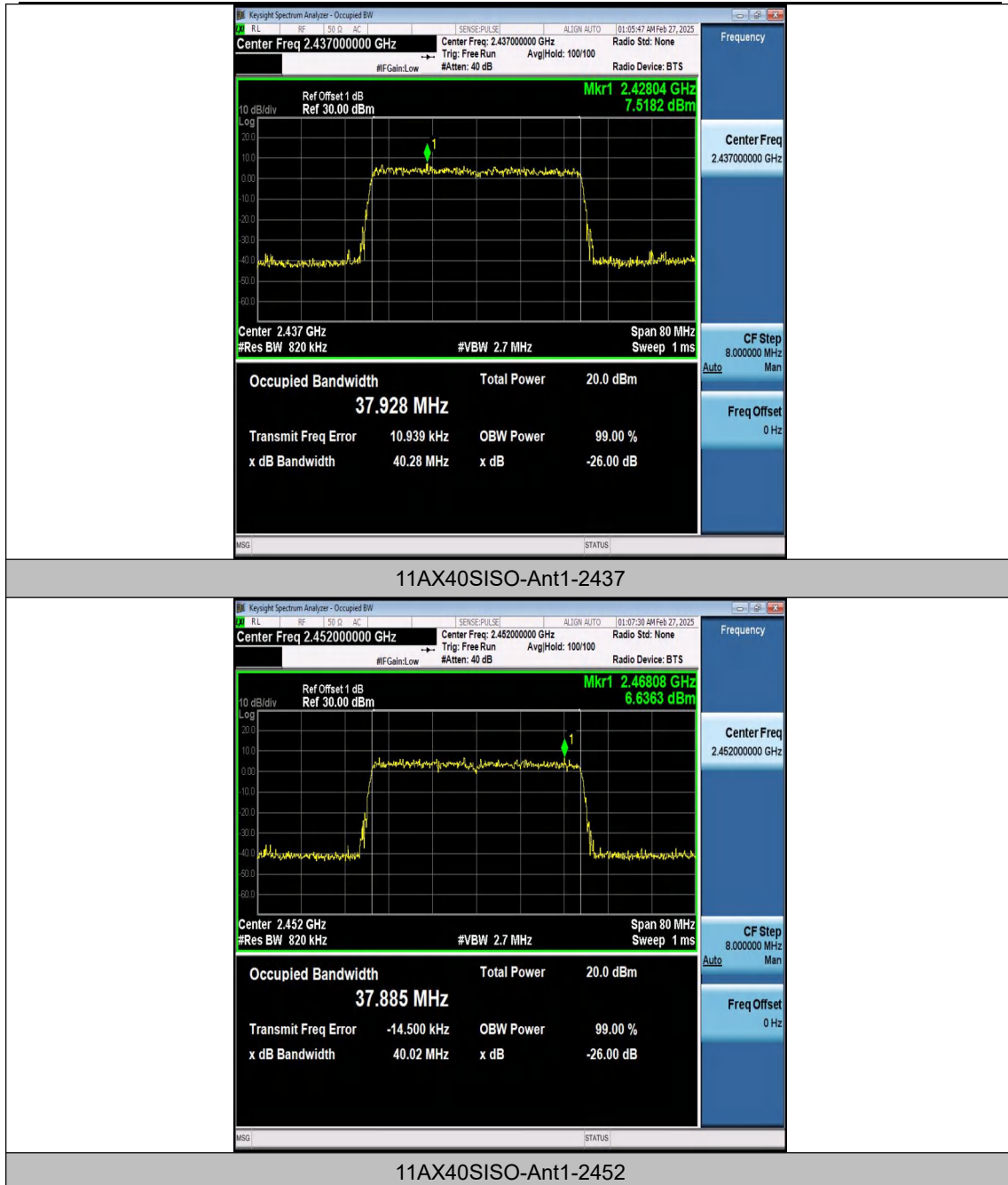


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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.61	76.47	1.17	13.78	≤30.0 0	PASS
11B	Ant1	2437	11.92	76.47	1.17	13.09	≤30.0 0	PASS
11B	Ant1	2462	11.73	76.69	1.15	12.88	≤30.0 0	PASS
11G	Ant1	2412	10.66	34.88	4.57	15.23	≤30.0 0	PASS
11G	Ant1	2437	9.76	34.88	4.57	14.33	≤30.0 0	PASS
11G	Ant1	2462	8.99	34.88	4.57	13.56	≤30.0 0	PASS
11N20SI SO	Ant1	2412	6.29	33.33	4.77	11.06	≤30.0 0	PASS
11N20SI SO	Ant1	2437	9.27	33.33	4.77	14.04	≤30.0 0	PASS
11N20SI SO	Ant1	2462	7.11	33.33	4.77	11.88	≤30.0 0	PASS
11N40SI SO	Ant1	2422	6.44	20.00	6.99	13.43	≤30.0 0	PASS
11N40SI SO	Ant1	2437	6.74	20.00	6.99	13.73	≤30.0 0	PASS
11N40SI SO	Ant1	2452	5.94	20.19	6.95	12.89	≤30.0 0	PASS
11AX20S ISO	Ant1	2412	8.70	31.71	4.99	13.69	≤30.0 0	PASS
11AX20S ISO	Ant1	2437	9.38	31.71	4.99	14.37	≤30.0 0	PASS
11AX20S ISO	Ant1	2462	8.28	31.71	4.99	13.27	≤30.0 0	PASS
11AX40S ISO	Ant1	2422	6.80	20.19	6.95	13.75	≤30.0 0	PASS
11AX40S ISO	Ant1	2437	6.61	19.23	7.16	13.77	≤30.0 0	PASS
11AX40S ISO	Ant1	2452	5.92	19.42	7.12	13.04	≤30.0 0	PASS

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

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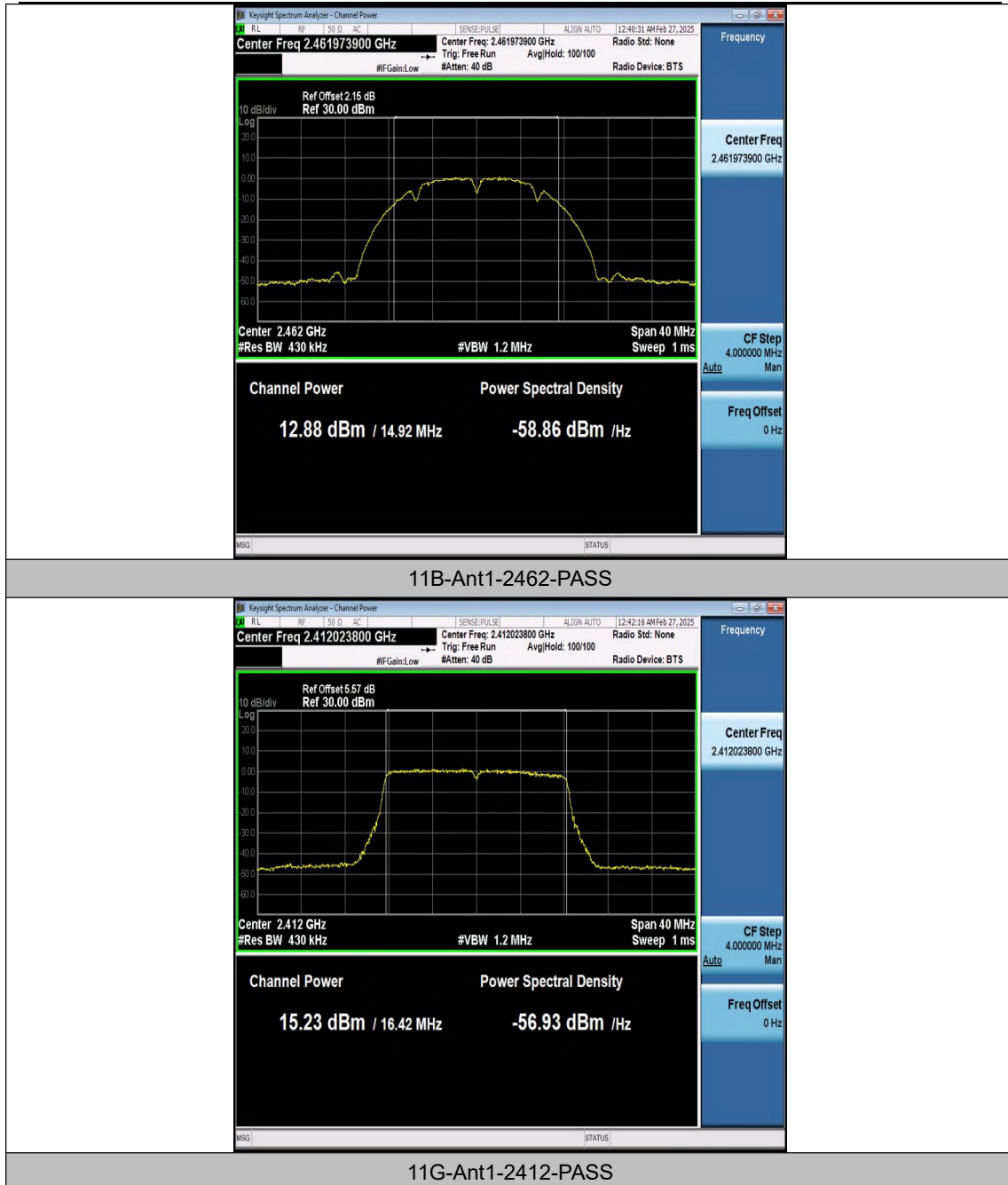
Test Graphs Average



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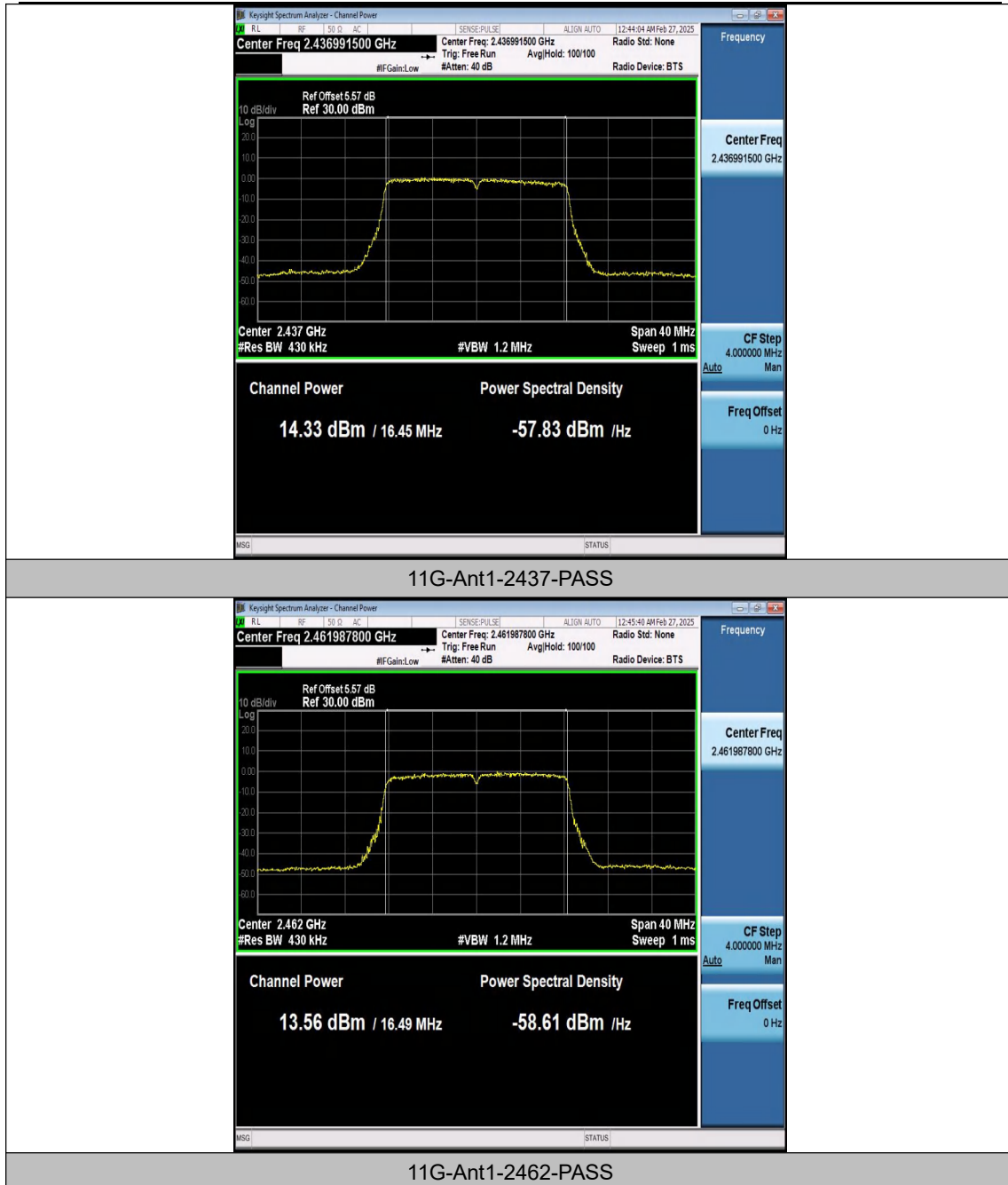


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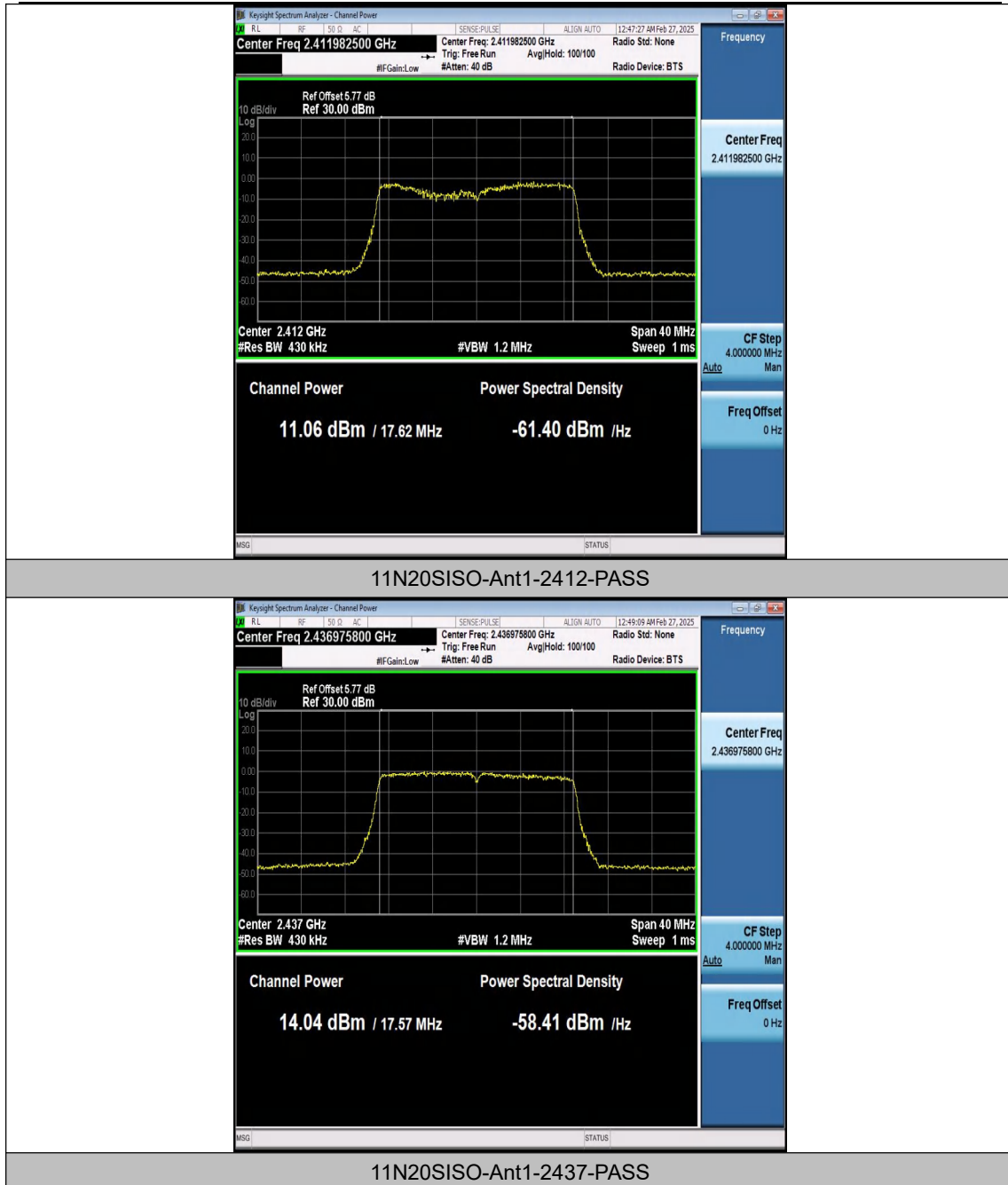


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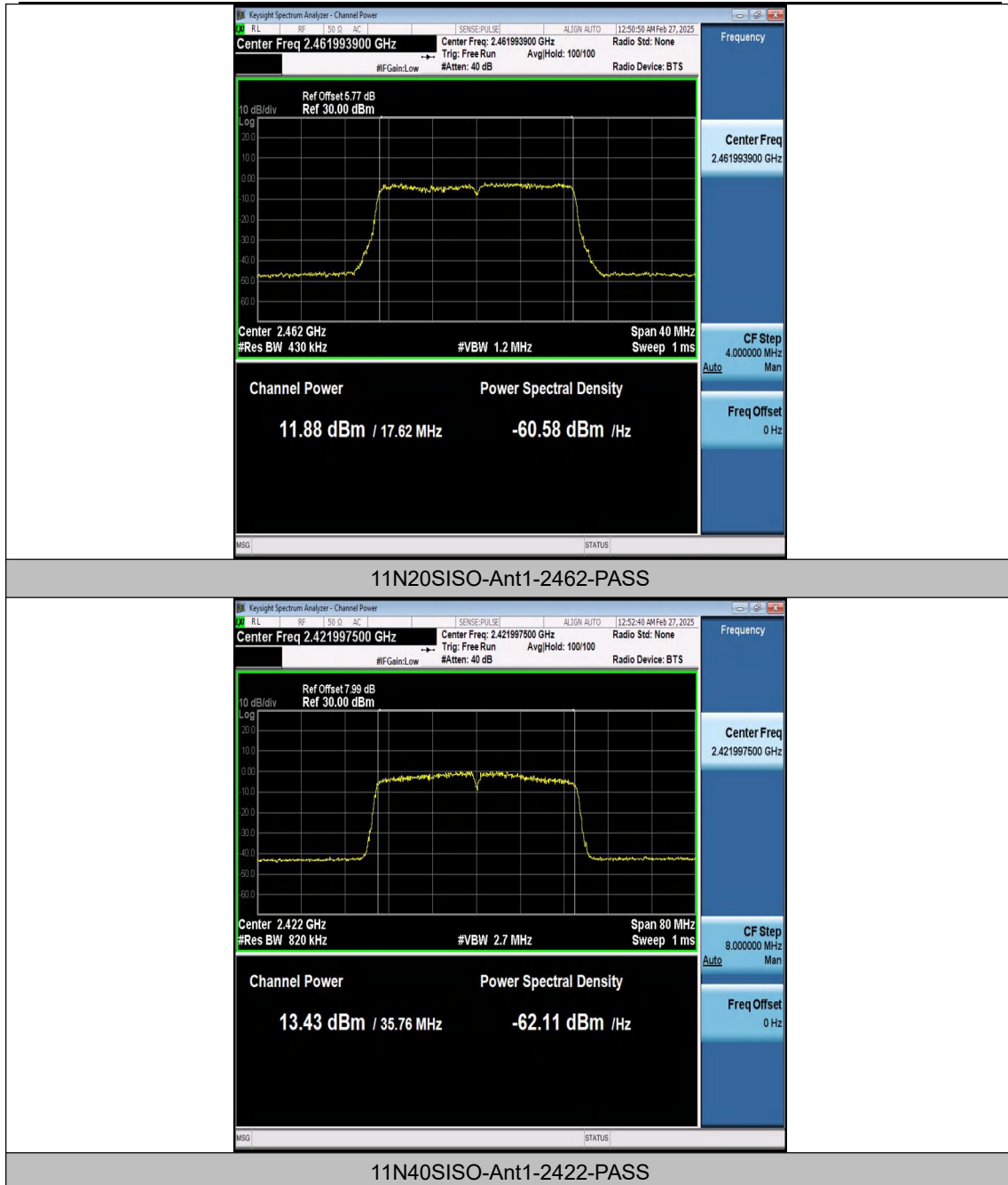


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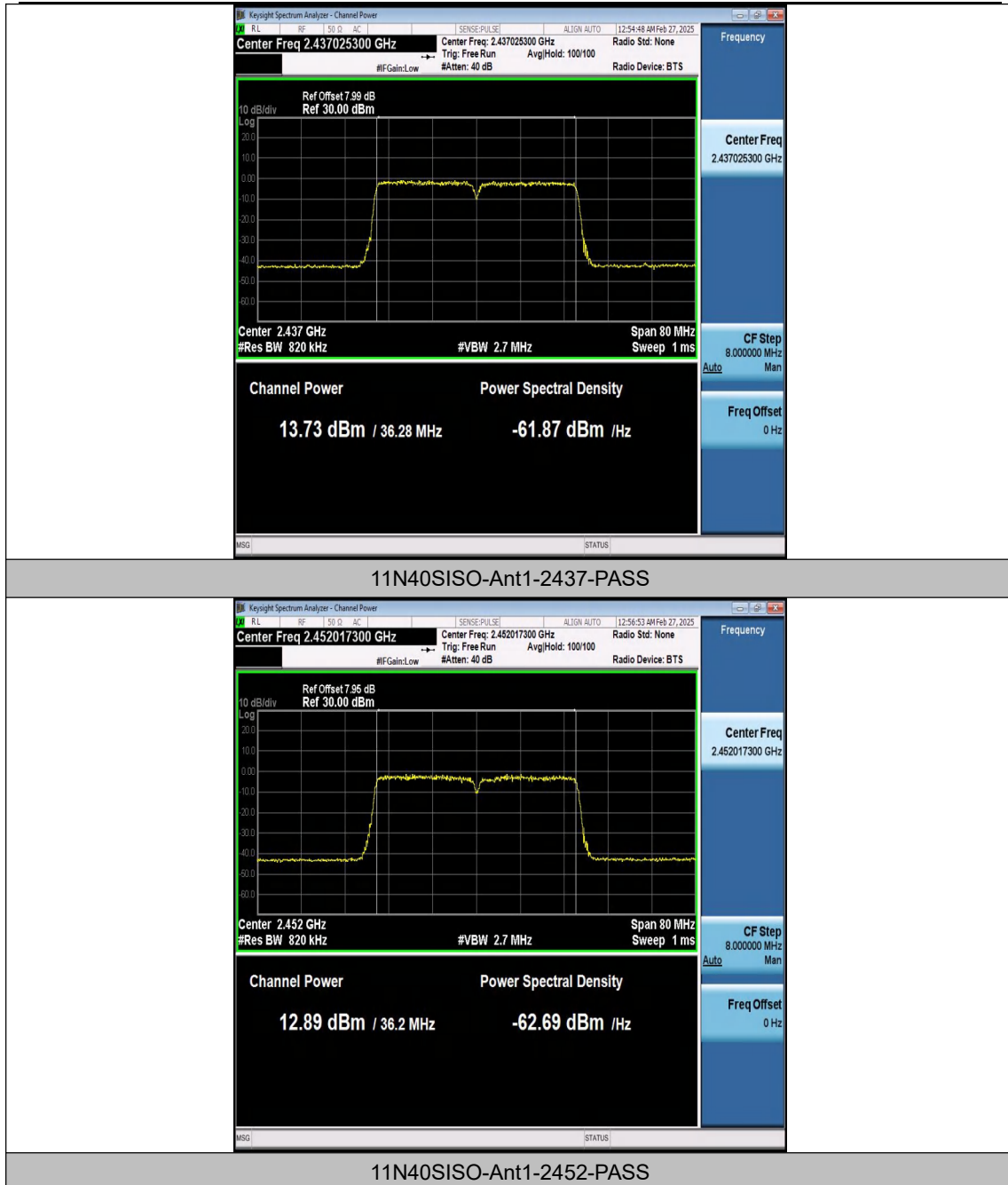
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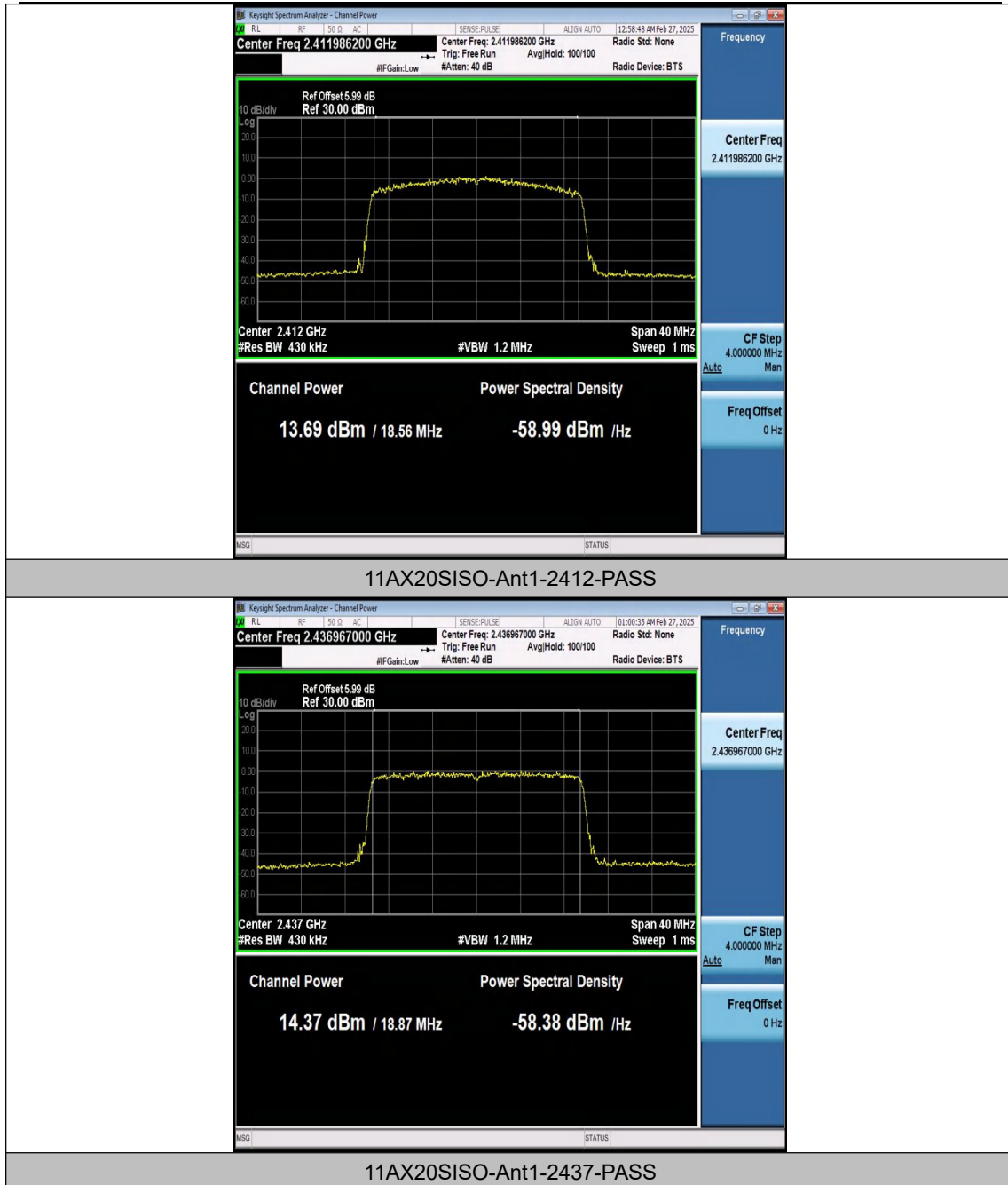


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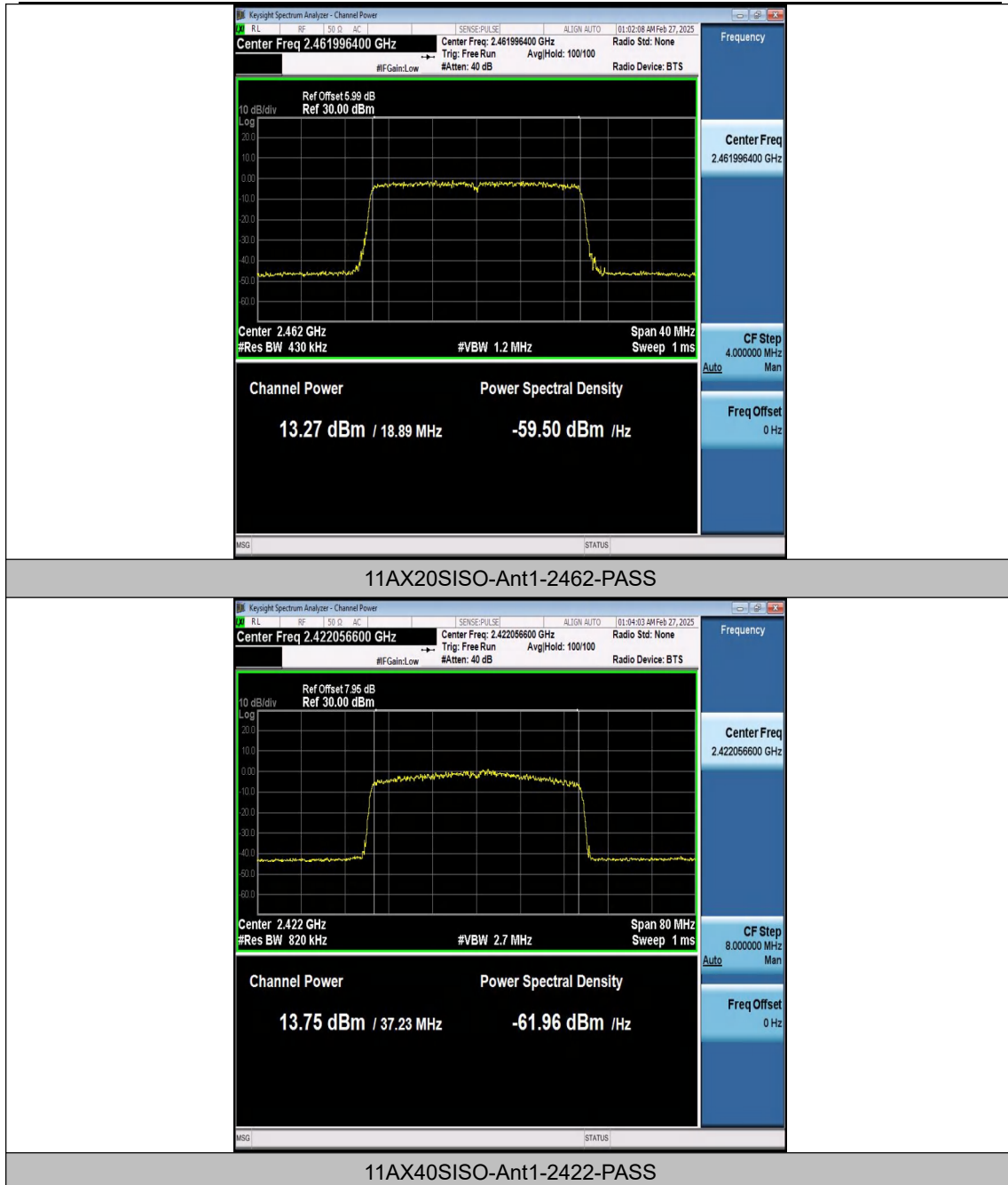


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