

Appendix Test Data

Report No.:	1813C50223412501	Test Sample No.:	1-2-2
Start Test Date:	2025-05-20	Finish Test Date:	2025-06-27
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26°C	Relative Humidity:	44%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

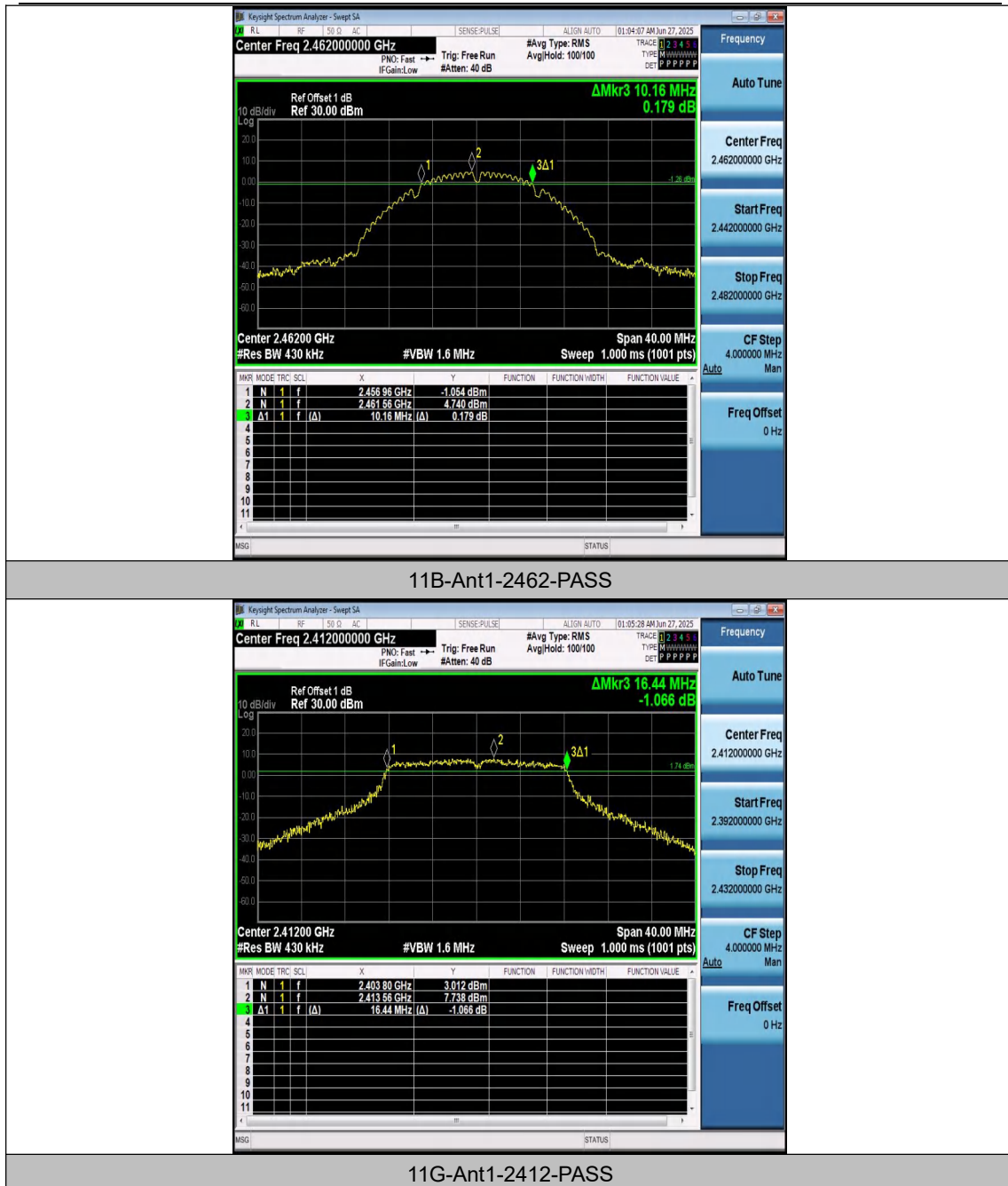
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.960	2417.160	0.5	PASS
11B	Ant1	2437	10.200	2431.960	2442.160	0.5	PASS
11B	Ant1	2462	10.160	2456.960	2467.120	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
11G	Ant1	2437	16.200	2428.880	2445.080	0.5	PASS
11G	Ant1	2462	16.160	2453.920	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.480	2403.320	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.240	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.640	2453.200	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
11N40SISO	Ant1	2437	36.320	2418.680	2455.000	0.5	PASS
11N40SISO	Ant1	2452	36.000	2434.080	2470.080	0.5	PASS
11AX20SISO	Ant1	2412	18.600	2402.840	2421.440	0.5	PASS
11AX20SISO	Ant1	2437	18.480	2427.560	2446.040	0.5	PASS
11AX20SISO	Ant1	2462	18.680	2452.680	2471.360	0.5	PASS
11AX40SISO	Ant1	2422	37.440	2403.280	2440.720	0.5	PASS
11AX40SISO	Ant1	2437	37.520	2418.280	2455.800	0.5	PASS
11AX40SISO	Ant1	2452	36.480	2433.280	2469.760	0.5	PASS



Test Graphs









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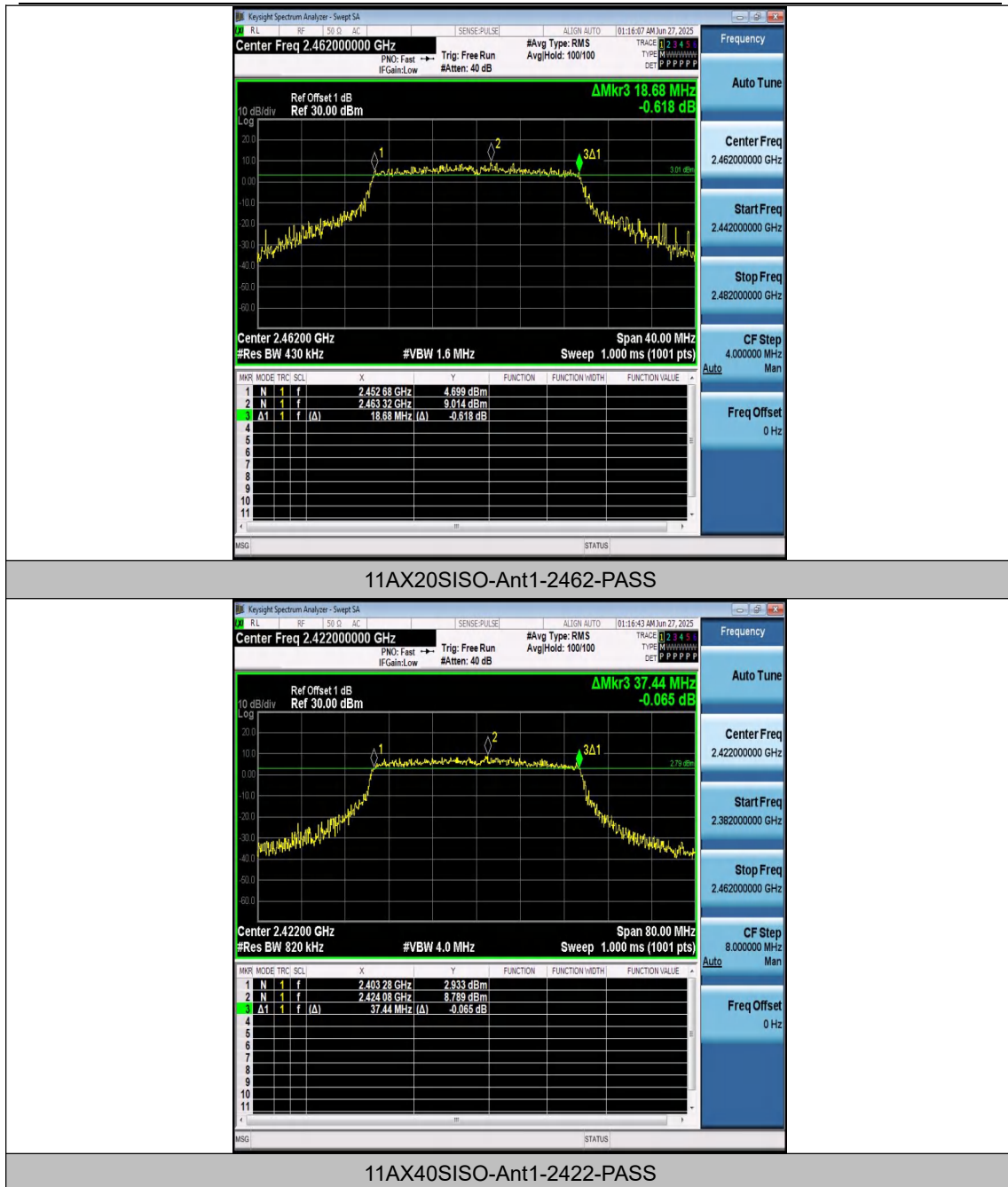
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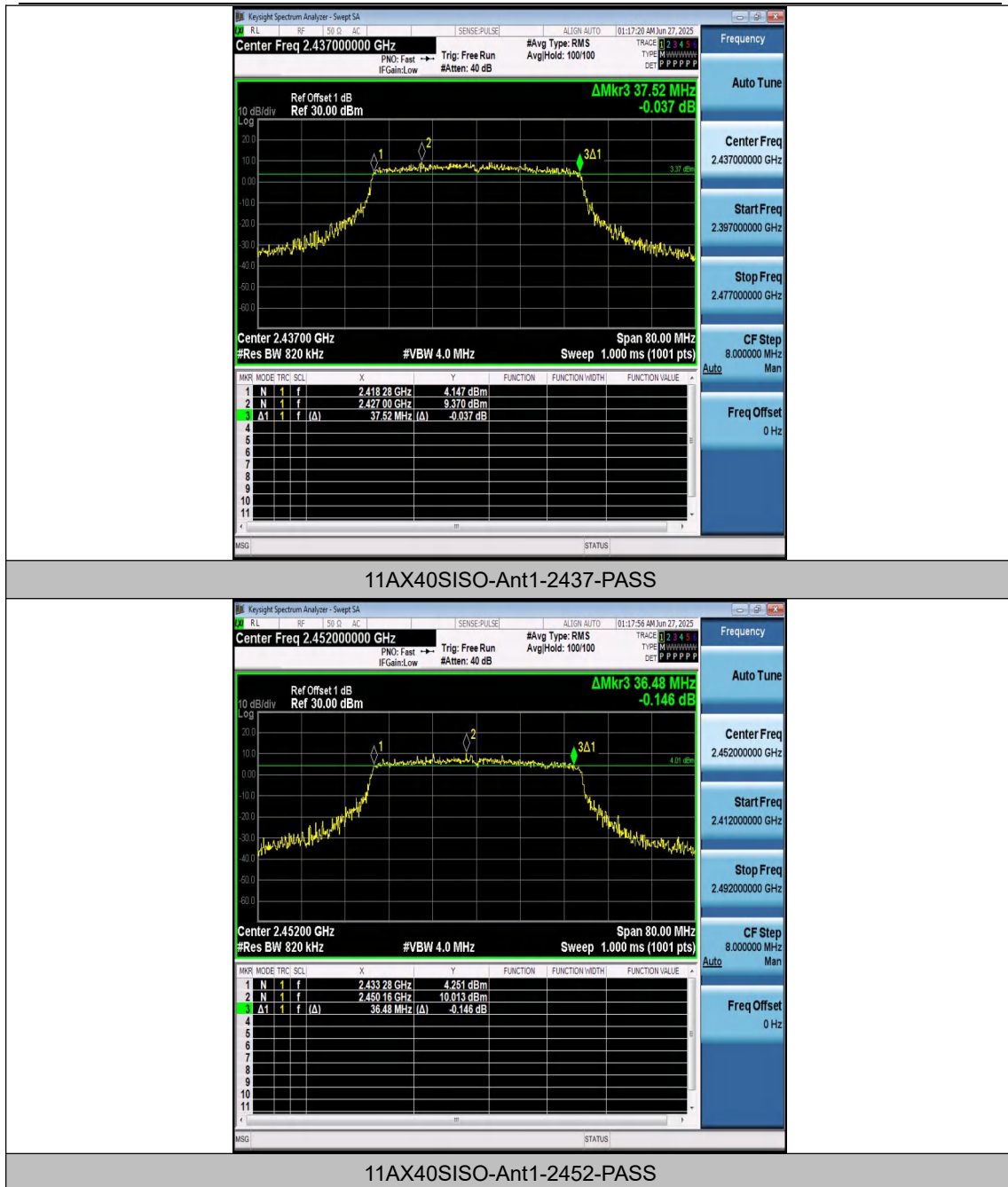
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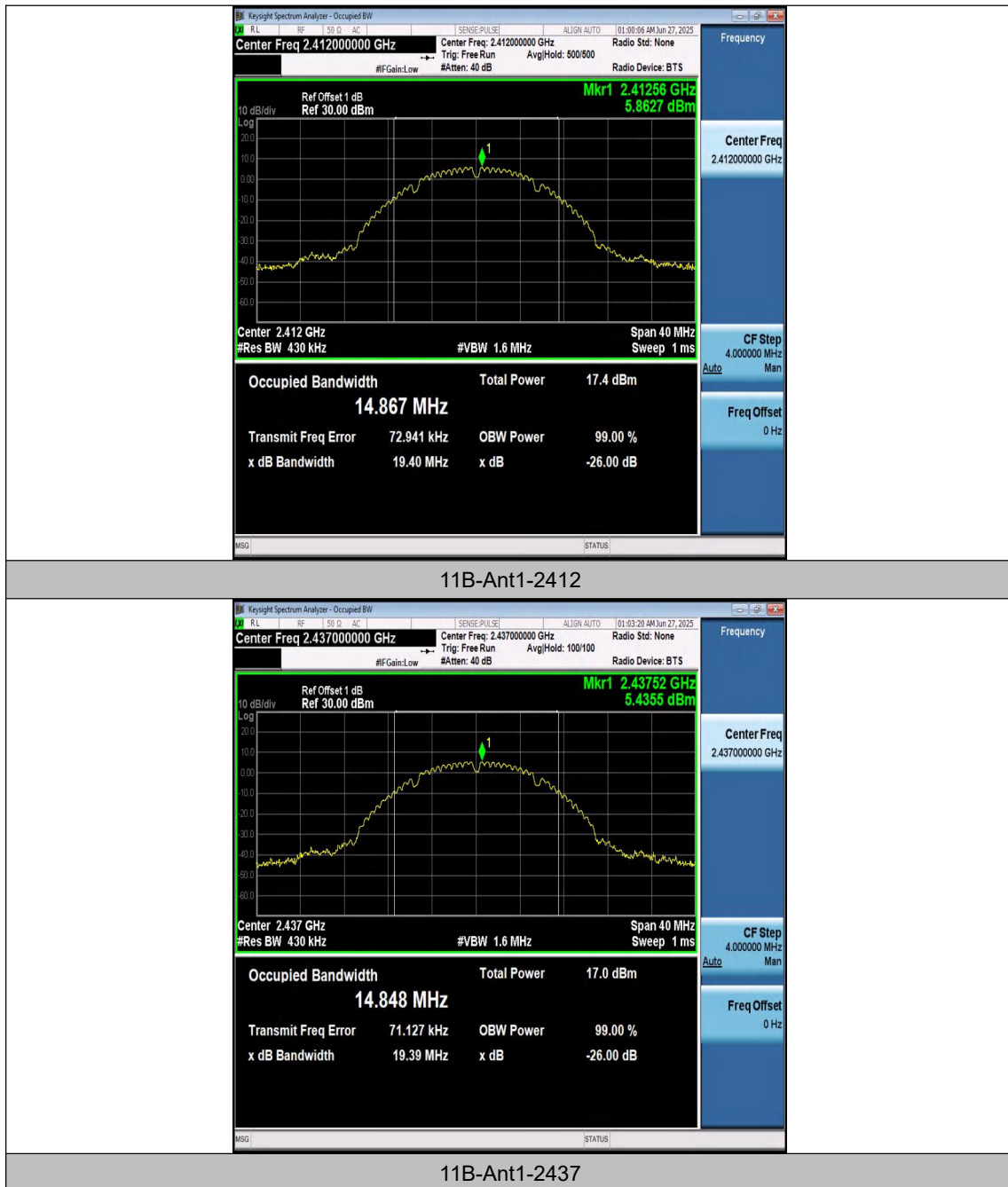
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.867	2404.6394	2419.5064	---	---
11B	Ant1	2437	14.848	2429.6471	2444.4951	---	---
11B	Ant1	2462	14.866	2454.6165	2469.4825	---	---
11G	Ant1	2412	17.293	2403.3256	2420.6186	---	---
11G	Ant1	2437	17.379	2428.2671	2445.6461	---	---
11G	Ant1	2462	17.305	2453.3250	2470.6300	---	---
11N20SISO	Ant1	2412	18.442	2402.7773	2421.2193	---	---
11N20SISO	Ant1	2437	18.421	2427.7456	2446.1666	---	---
11N20SISO	Ant1	2462	18.359	2452.8014	2471.1604	---	---
11N40SISO	Ant1	2422	36.728	2403.6587	2440.3867	---	---
11N40SISO	Ant1	2437	36.733	2418.6137	2455.3467	---	---
11N40SISO	Ant1	2452	36.769	2433.5684	2470.3374	---	---
11AX20SISO	Ant1	2412	19.254	2402.4326	2421.6866	---	---
11AX20SISO	Ant1	2437	19.231	2427.3928	2446.6238	---	---
11AX20SISO	Ant1	2462	19.248	2452.4265	2471.6745	---	---
11AX40SISO	Ant1	2422	37.899	2403.0896	2440.9886	---	---
11AX40SISO	Ant1	2437	38.050	2417.9893	2456.0393	---	---
11AX40SISO	Ant1	2452	37.956	2433.0547	2471.0107	---	---



Test Graphs



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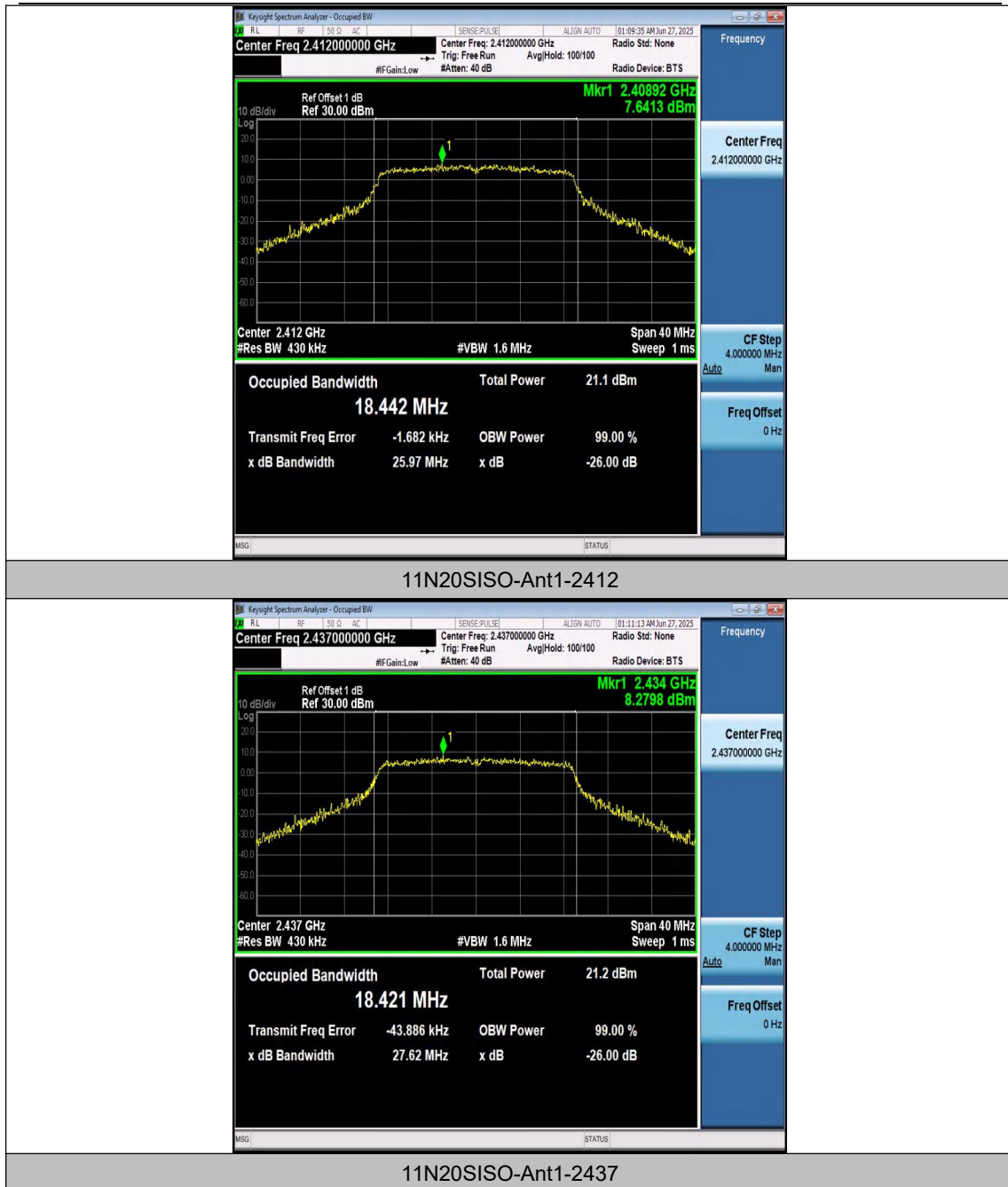


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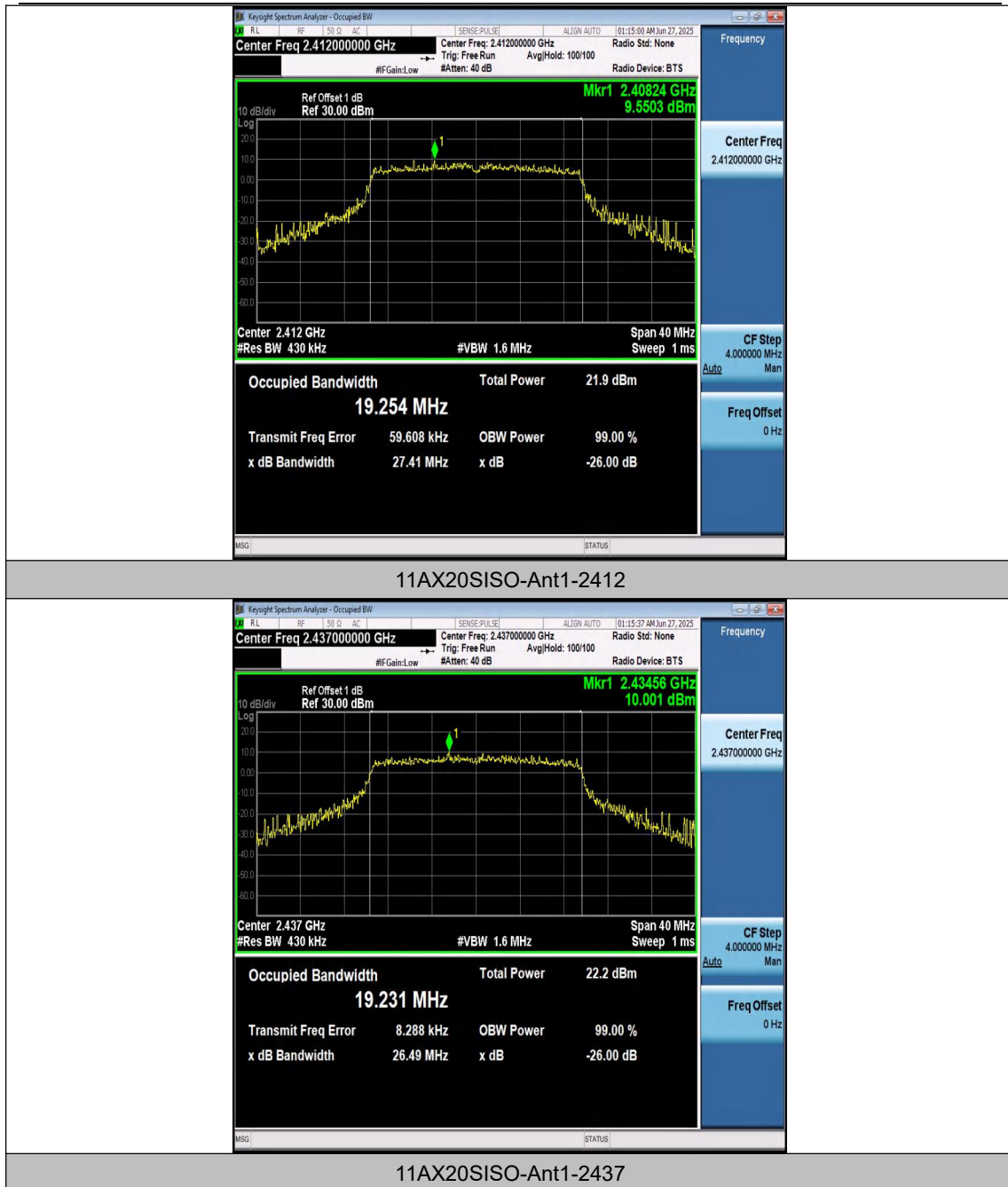


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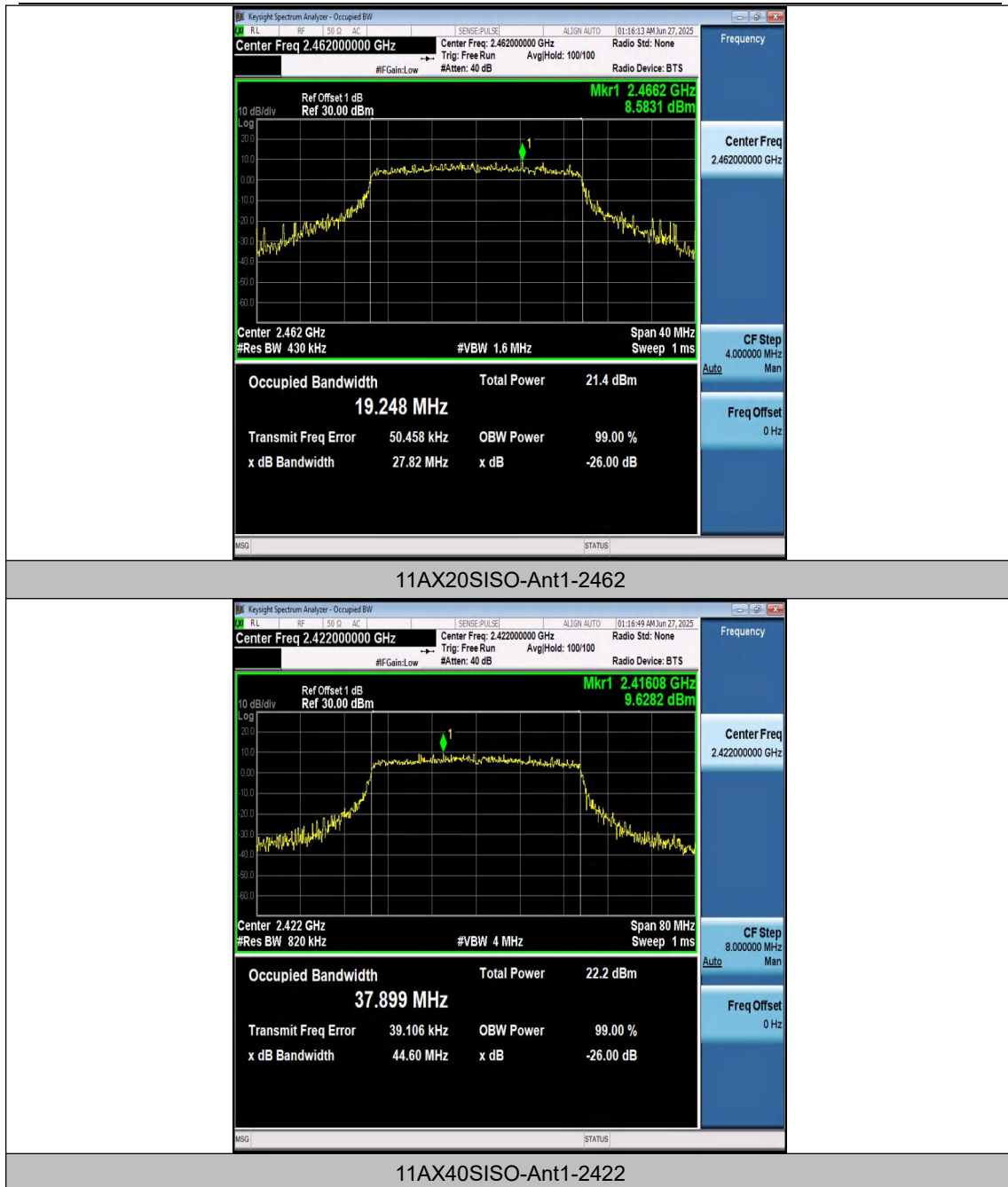


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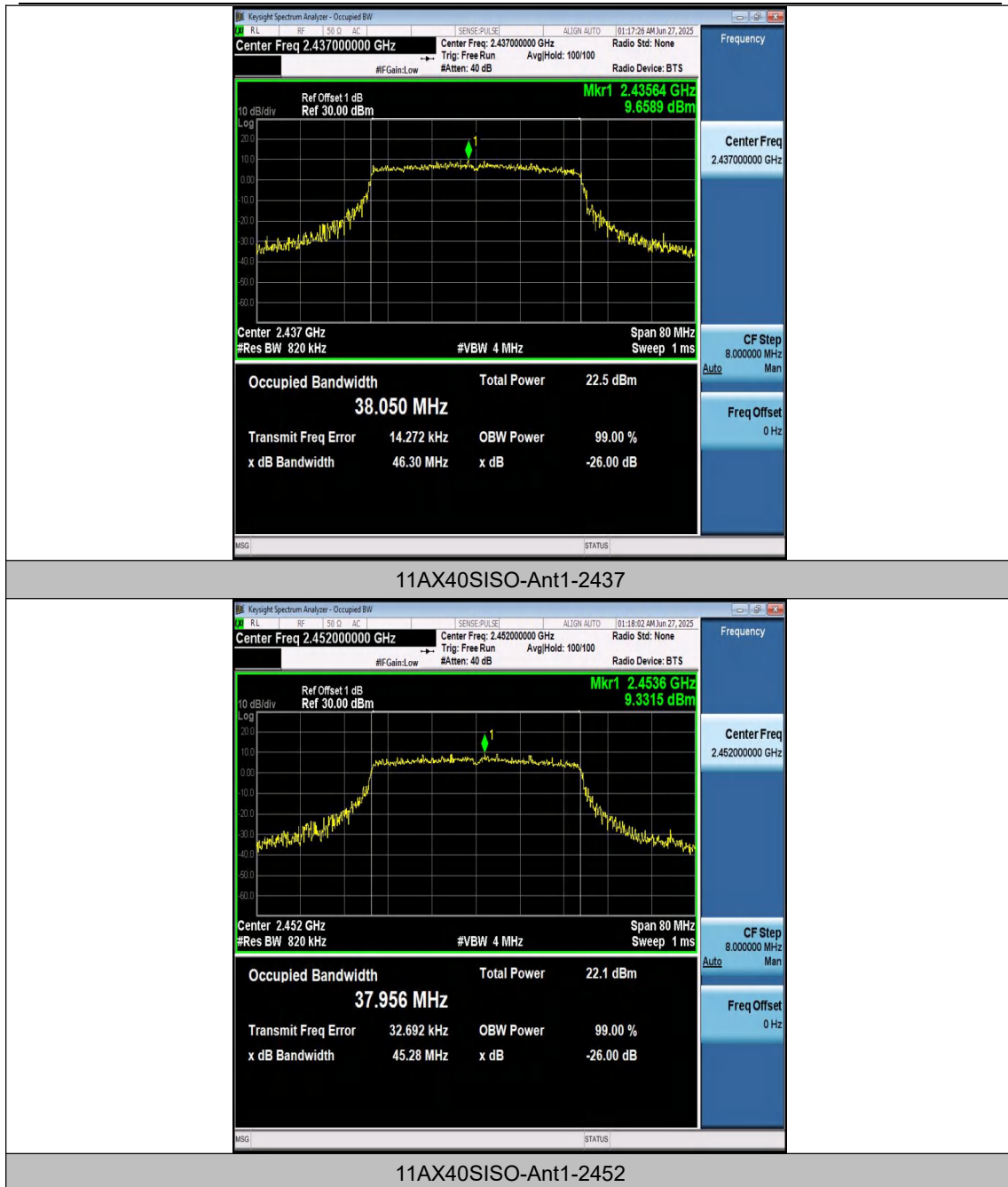


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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.39	98.54	0.06	14.45	≤30.0 0	PASS
11B	Ant1	2437	13.99	96.68	0.15	14.14	≤30.0 0	PASS
11B	Ant1	2462	13.34	98.55	0.06	13.40	≤30.0 0	PASS
11G	Ant1	2412	14.88	92.31	0.35	15.23	≤30.0 0	PASS
11G	Ant1	2437	14.99	90.67	0.43	15.42	≤30.0 0	PASS
11G	Ant1	2462	14.18	92.69	0.33	14.51	≤30.0 0	PASS
11N20SI SO	Ant1	2412	14.52	88.73	0.52	15.04	≤30.0 0	PASS
11N20SI SO	Ant1	2437	14.70	91.30	0.40	15.10	≤30.0 0	PASS
11N20SI SO	Ant1	2462	14.04	88.73	0.52	14.56	≤30.0 0	PASS
11N40SI SO	Ant1	2422	13.75	79.49	1.00	14.75	≤30.0 0	PASS
11N40SI SO	Ant1	2437	13.92	80.17	0.96	14.88	≤30.0 0	PASS
11N40SI SO	Ant1	2452	13.83	79.49	1.00	14.83	≤30.0 0	PASS
11AX20S ISO	Ant1	2412	14.23	85.88	0.66	14.89	≤30.0 0	PASS
11AX20S ISO	Ant1	2437	14.48	89.51	0.48	14.96	≤30.0 0	PASS
11AX20S ISO	Ant1	2462	13.58	87.35	0.59	14.17	≤30.0 0	PASS
11AX40S ISO	Ant1	2422	13.62	80.85	0.92	14.54	≤30.0 0	PASS
11AX40S ISO	Ant1	2437	13.92	80.65	0.93	14.85	≤30.0 0	PASS
11AX40S ISO	Ant1	2452	13.73	76.24	1.18	14.91	≤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.

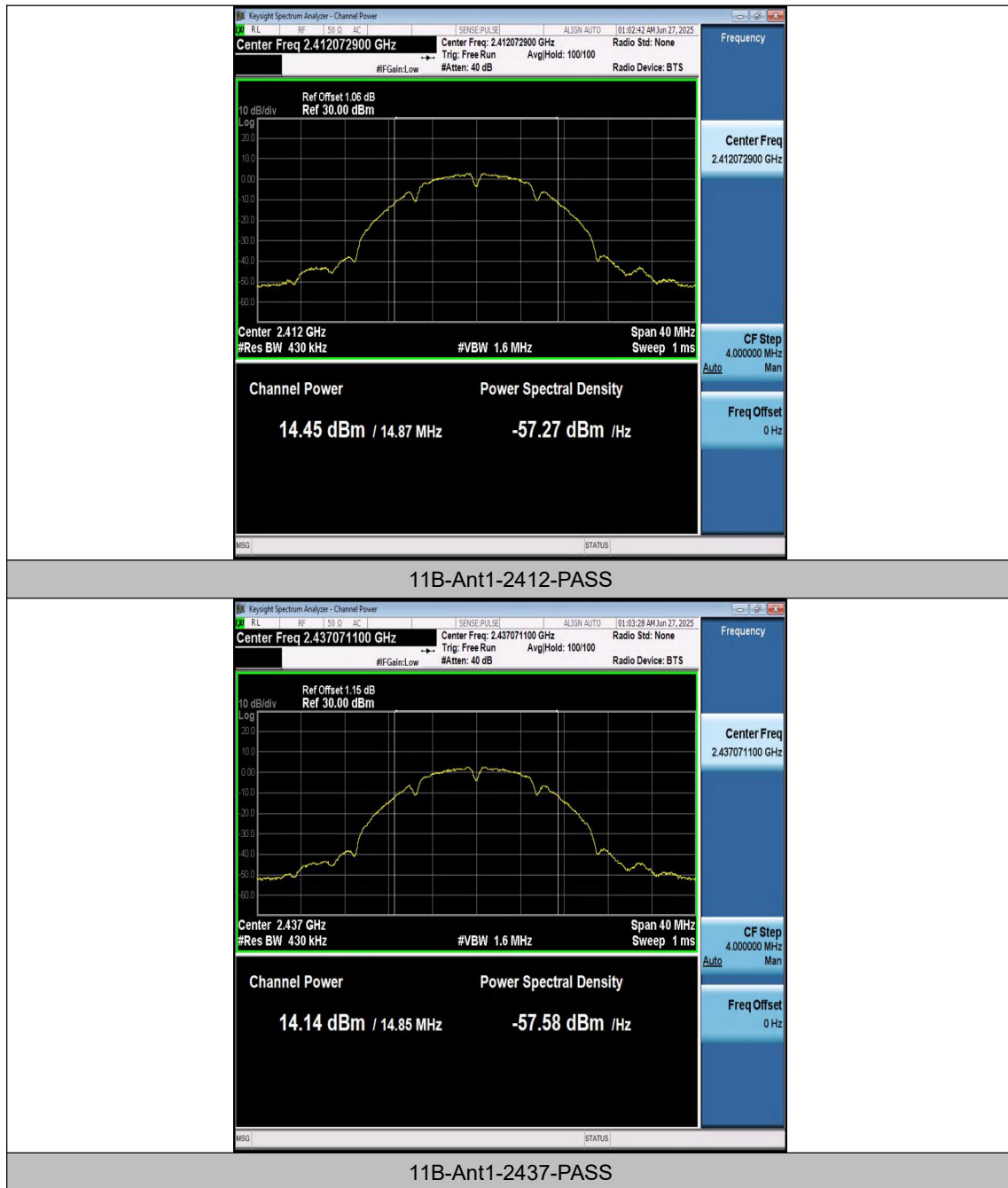
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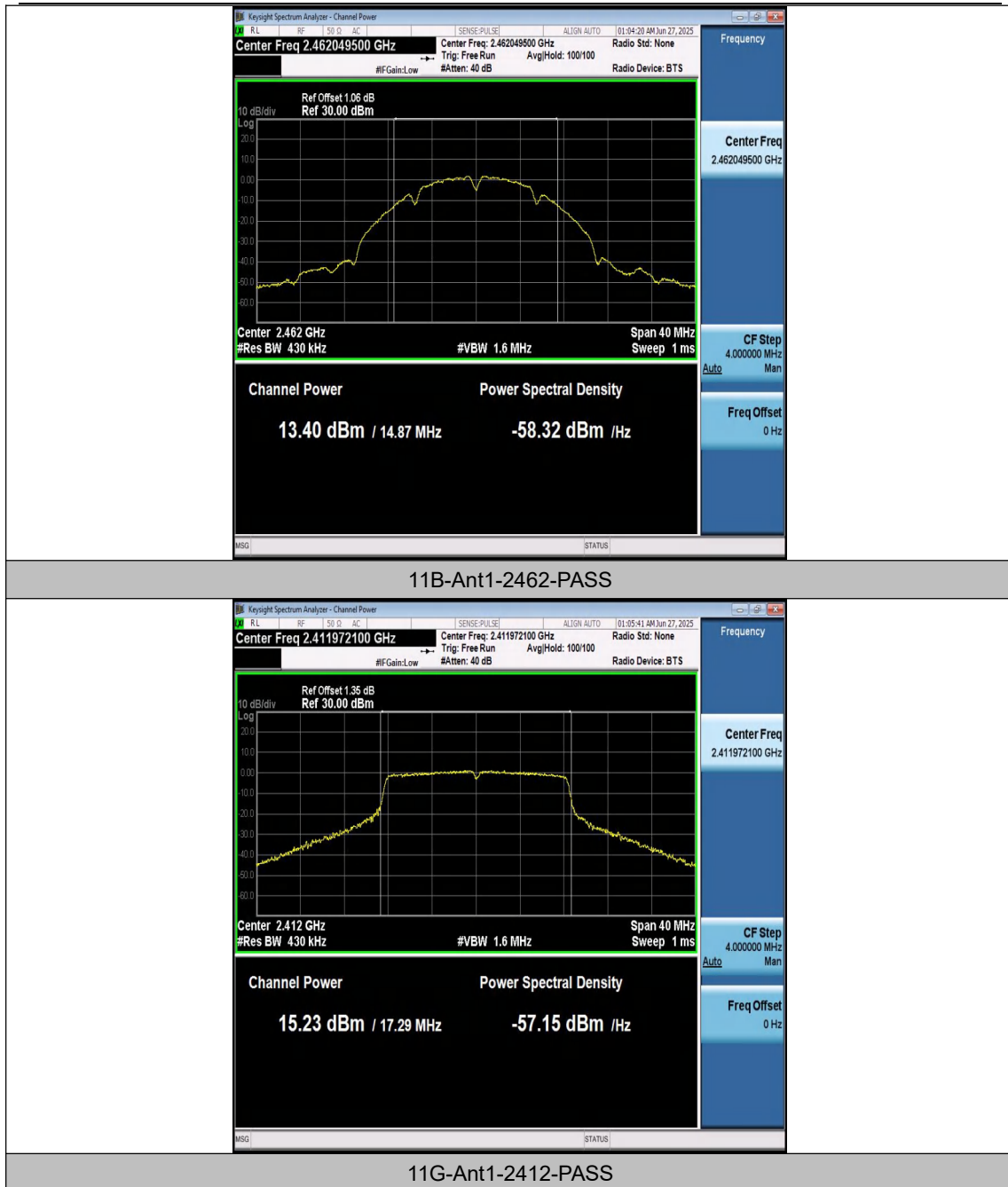
Test Graphs Average



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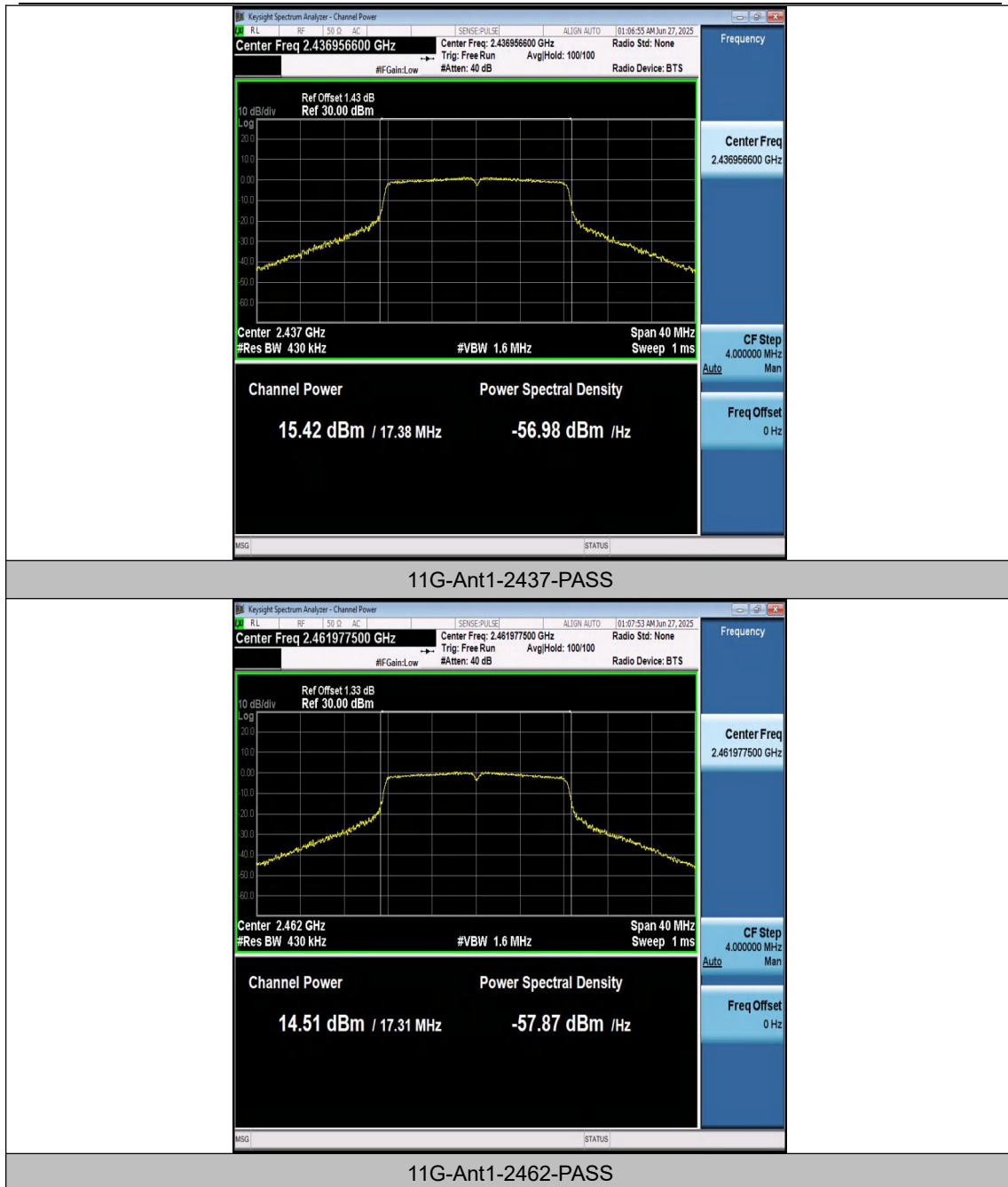


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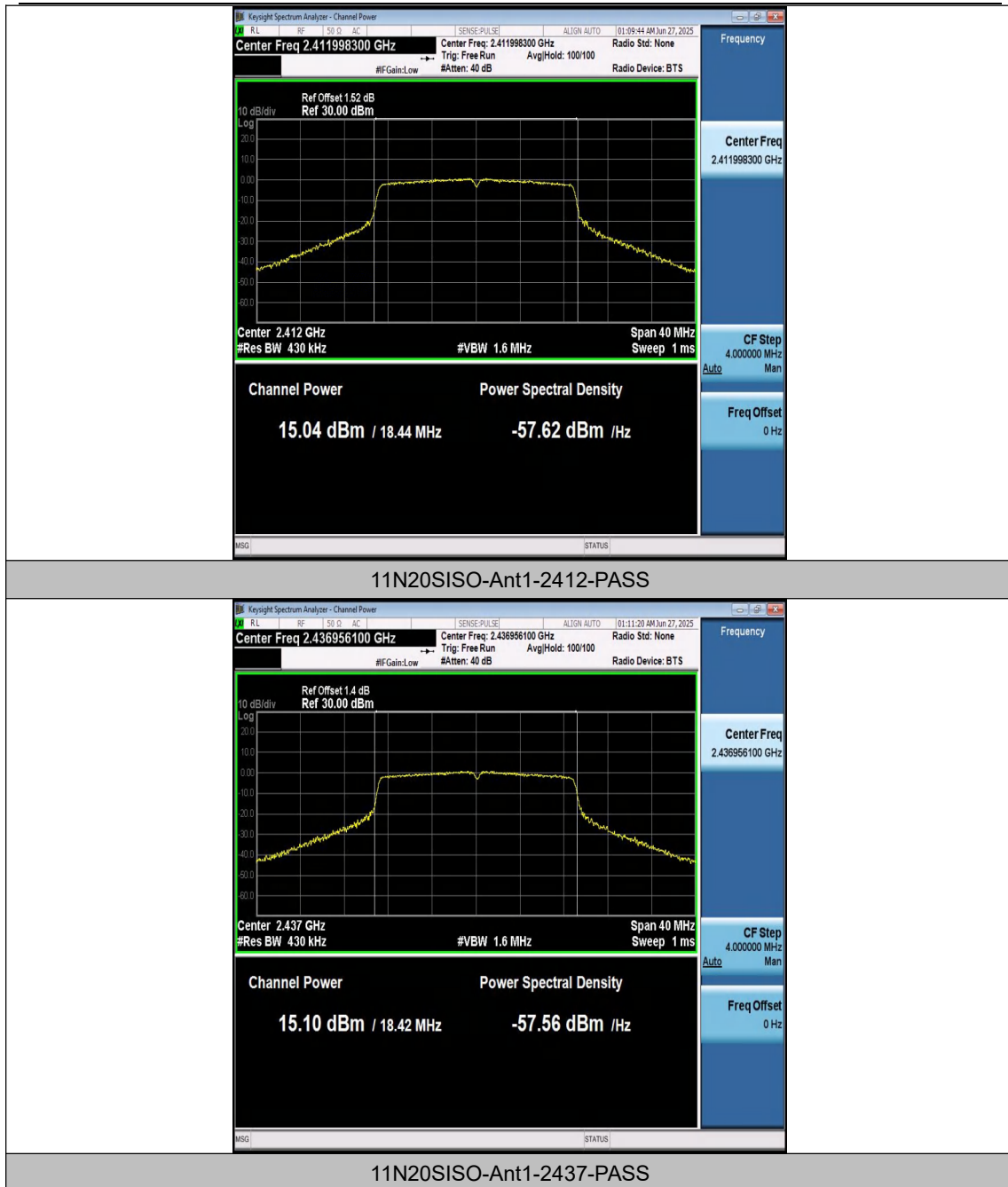
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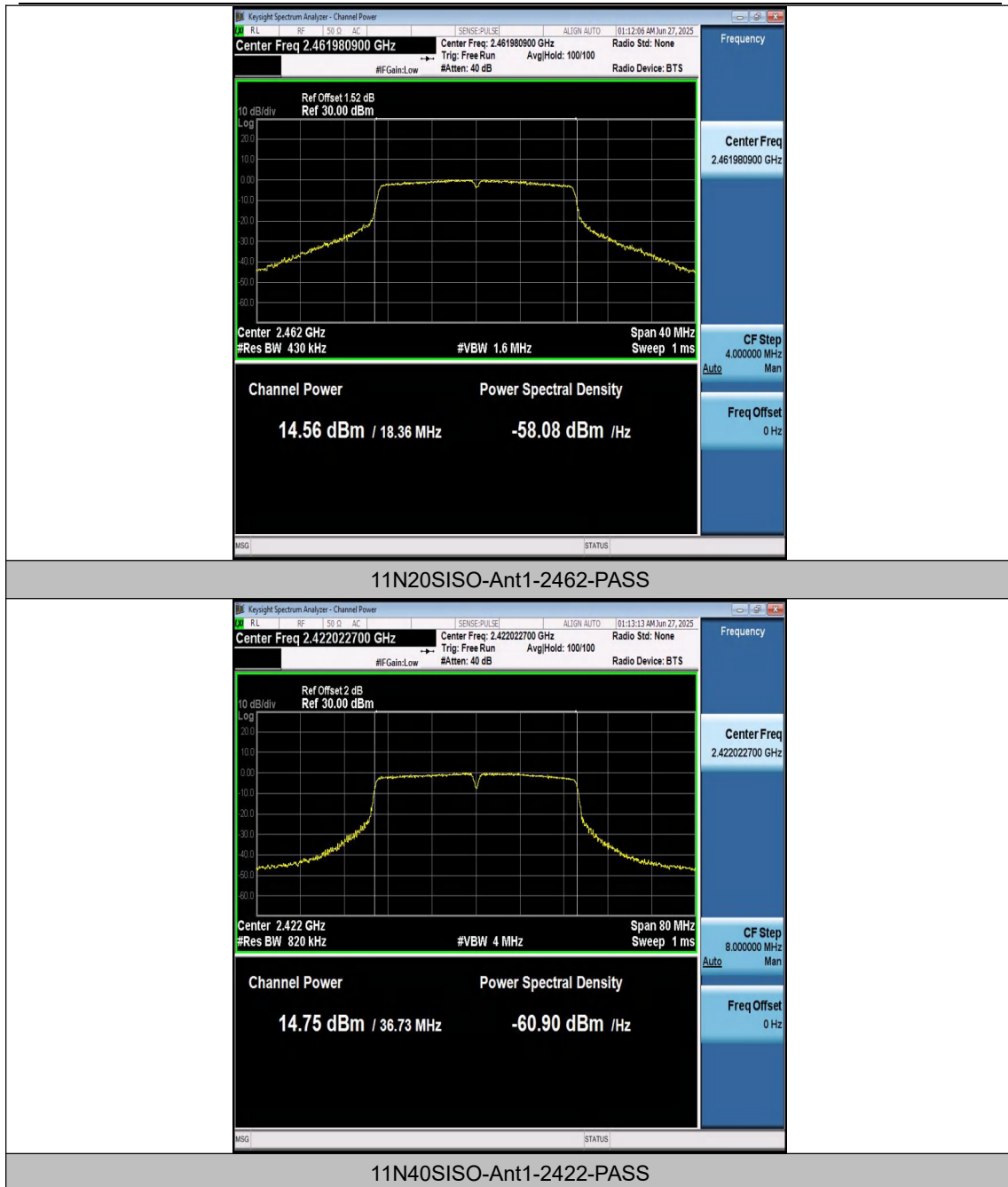


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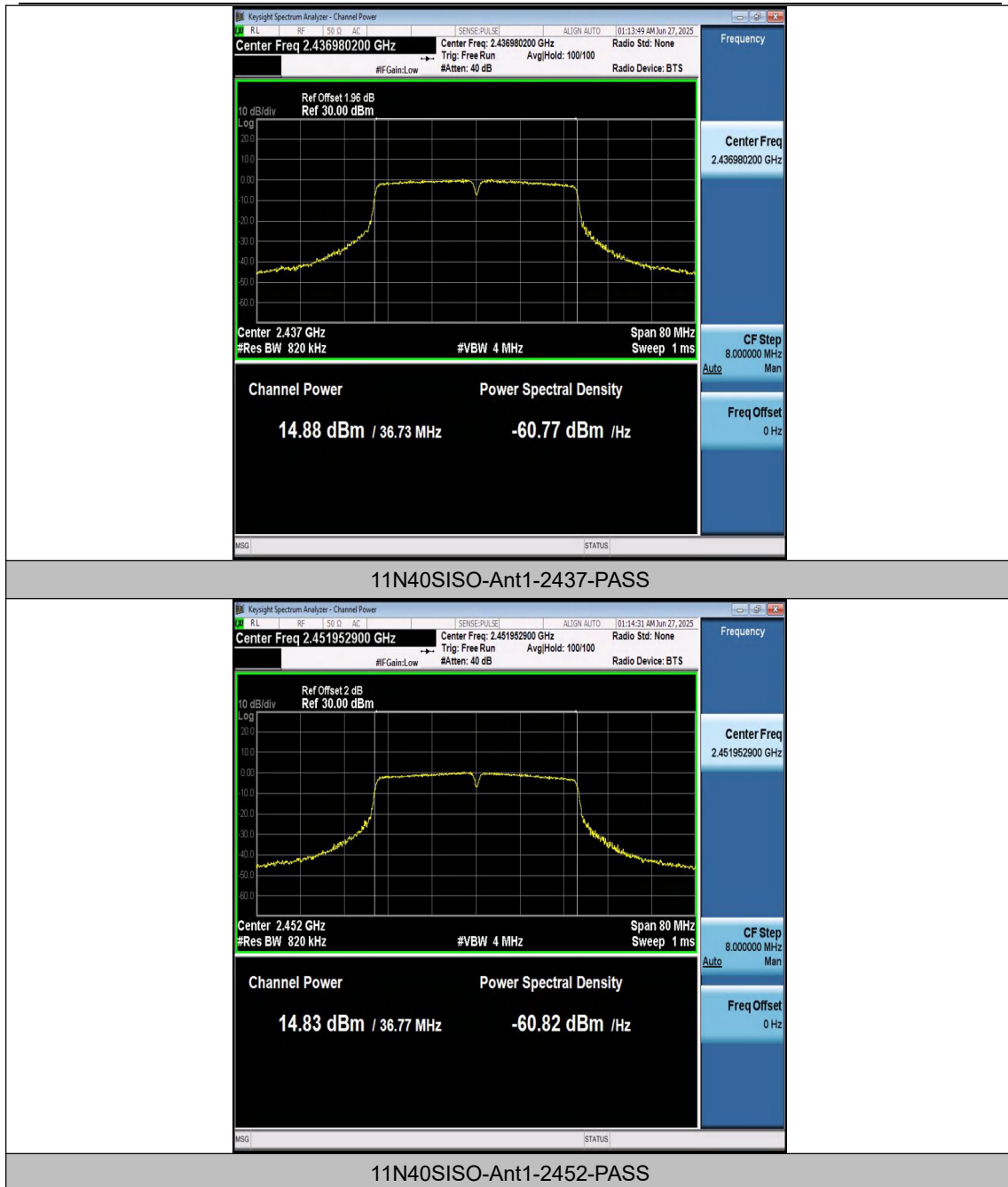
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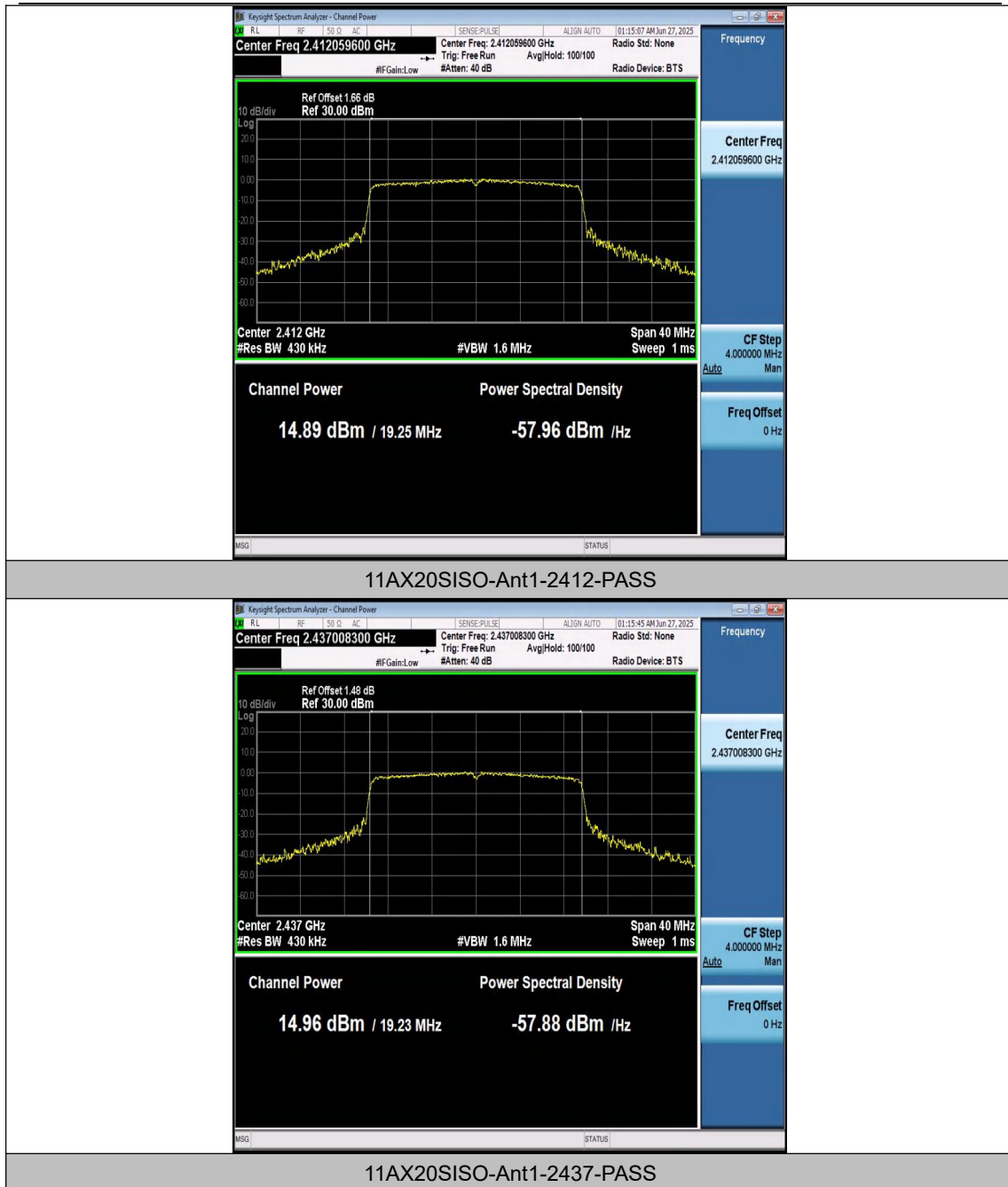
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