

Appendix Test Data

Report No.:	1813C50477812503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-11	Finish Test Date:	2025-11-17
Test Engineer:	<i>Alex Reng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	50%
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	8.640	2407.920	2416.560	0.5	PASS
11B	Ant1	2437	8.240	2432.880	2441.120	0.5	PASS
11B	Ant1	2462	8.640	2457.960	2466.600	0.5	PASS
11G	Ant1	2412	16.240	2403.920	2420.160	0.5	PASS
11G	Ant1	2437	16.120	2428.920	2445.040	0.5	PASS
11G	Ant1	2462	16.120	2454.120	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.560	2420.680	0.5	PASS
11N20SISO	Ant1	2437	17.280	2428.440	2445.720	0.5	PASS
11N20SISO	Ant1	2462	16.840	2454.000	2470.840	0.5	PASS

Test Graphs



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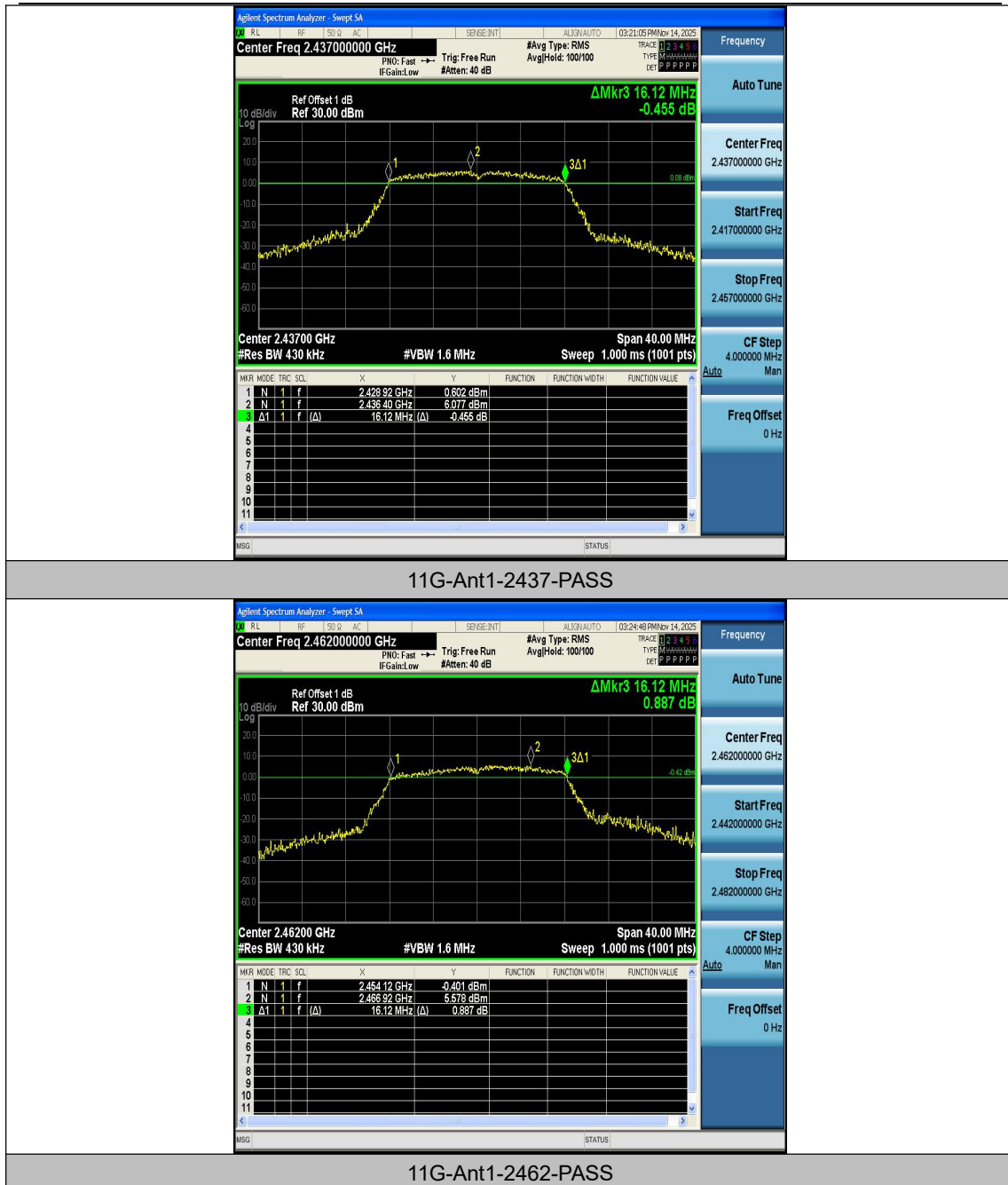
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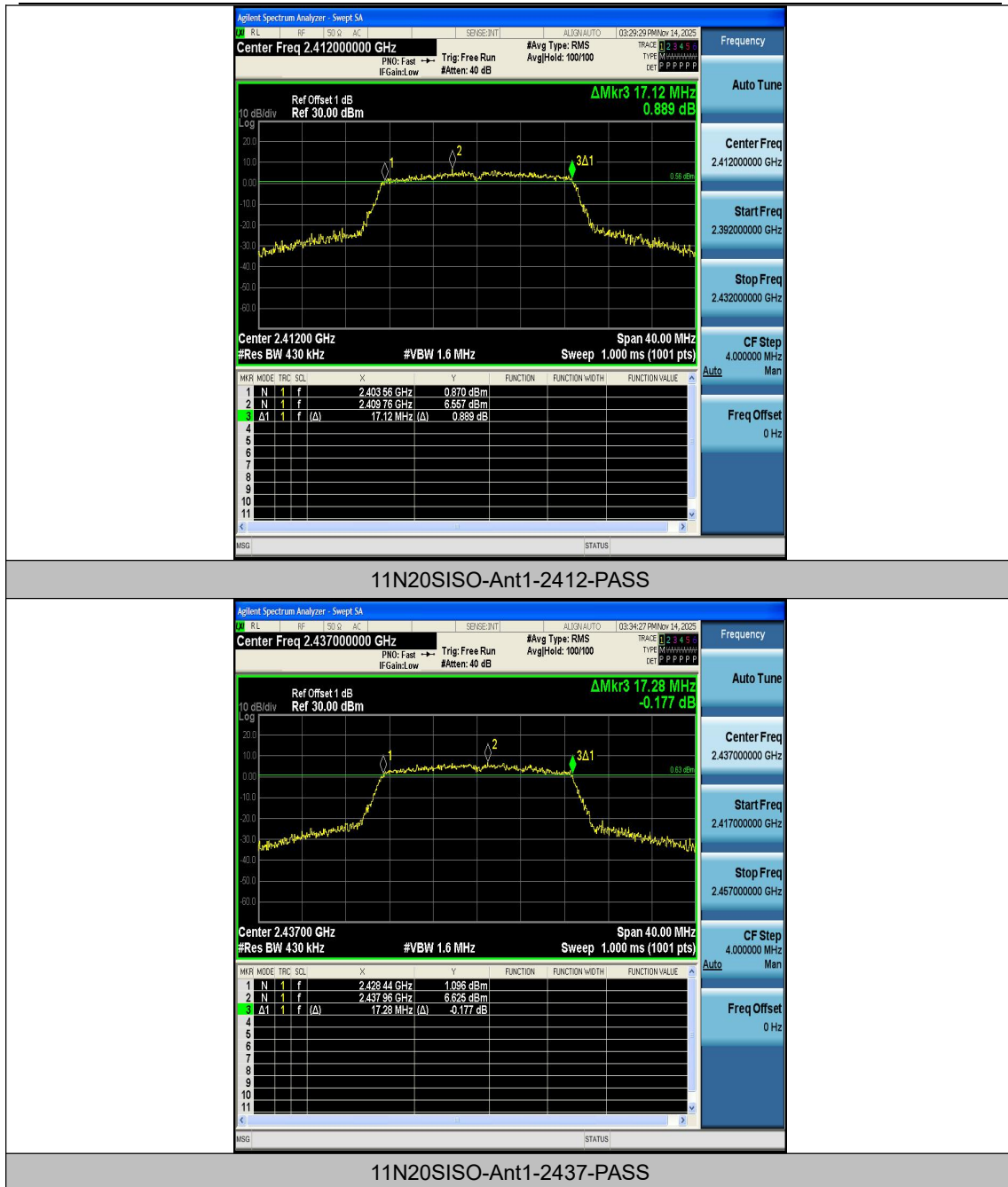


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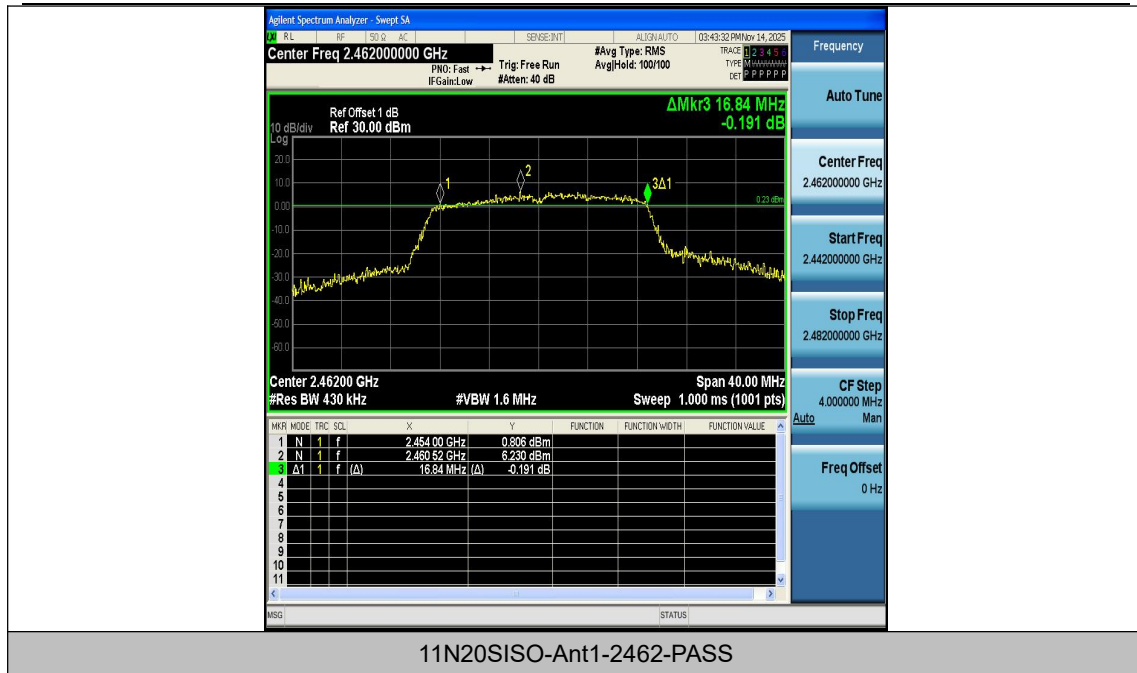




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11N20SISO-Ant1-2462-PASS

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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	12.910	2405.6538	2418.5638	---	---
11B	Ant1	2437	12.932	2430.5181	2443.4501	---	---
11B	Ant1	2462	12.820	2455.8070	2468.6270	---	---
11G	Ant1	2412	16.909	2403.6321	2420.5411	---	---
11G	Ant1	2437	16.918	2428.5064	2445.4244	---	---
11G	Ant1	2462	16.931	2453.7570	2470.6880	---	---
11N20SISO	Ant1	2412	17.918	2403.1201	2421.0381	---	---
11N20SISO	Ant1	2437	17.924	2428.0198	2445.9438	---	---
11N20SISO	Ant1	2462	17.953	2453.2396	2471.1926	---	---

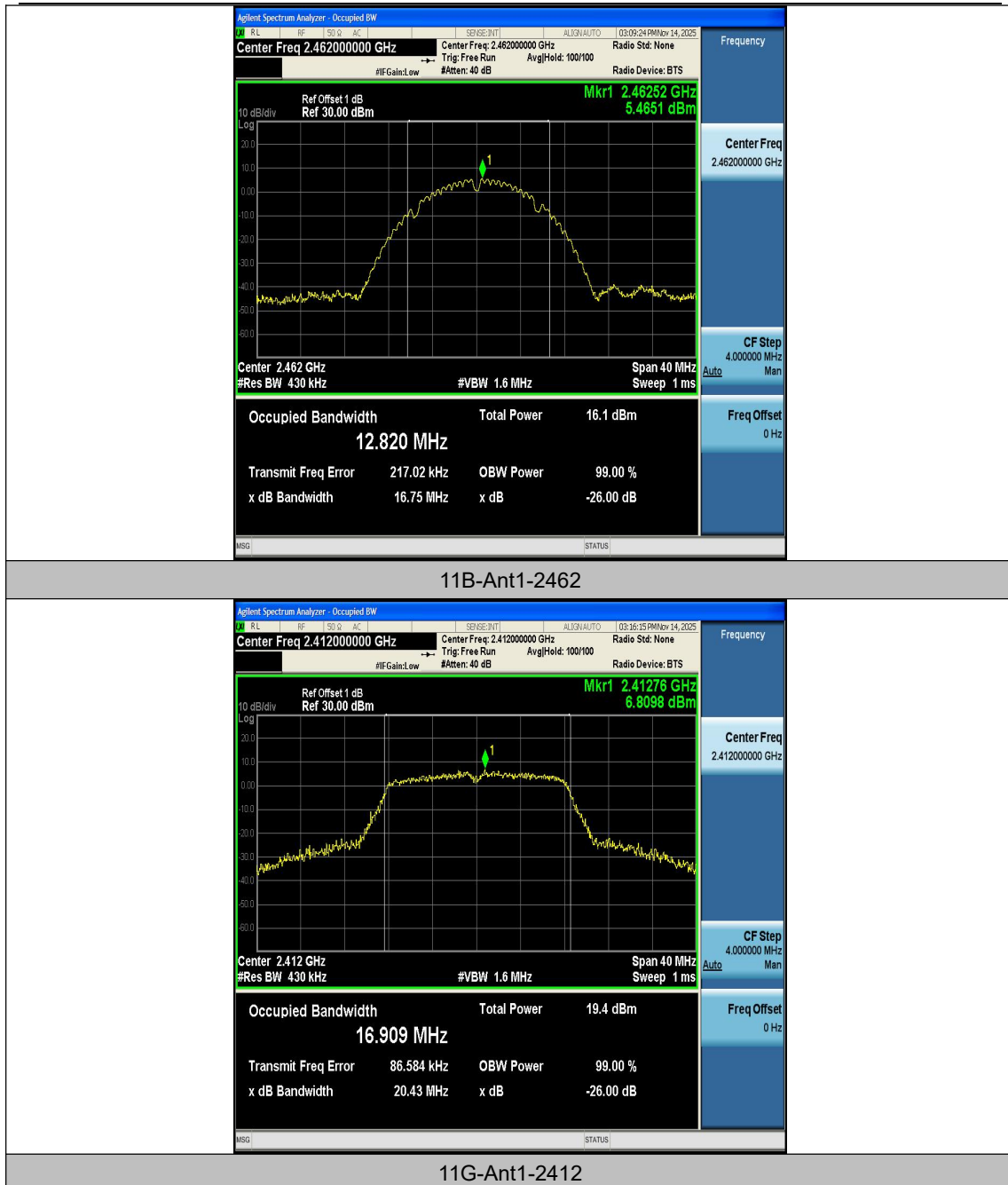
Test Graphs



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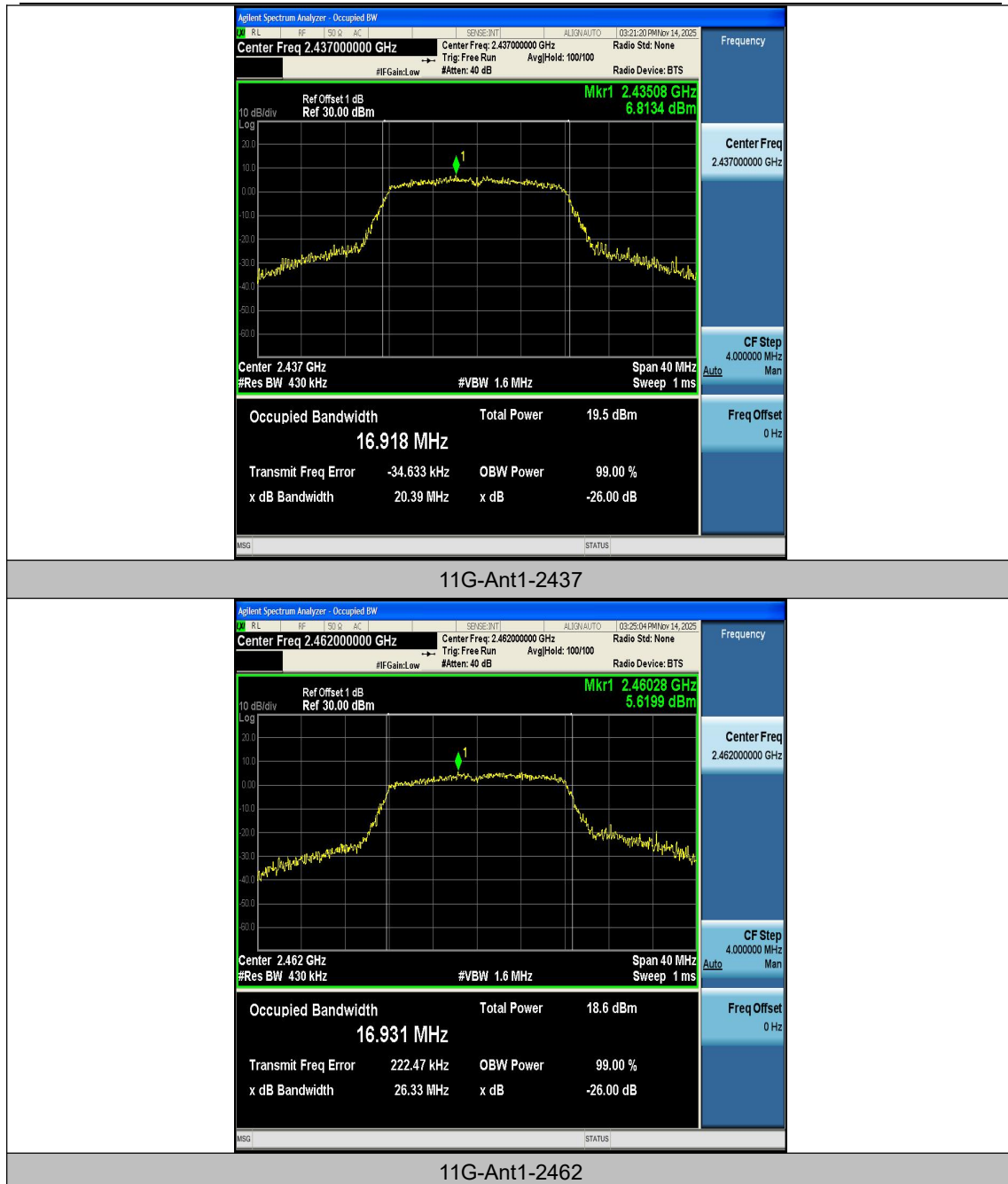
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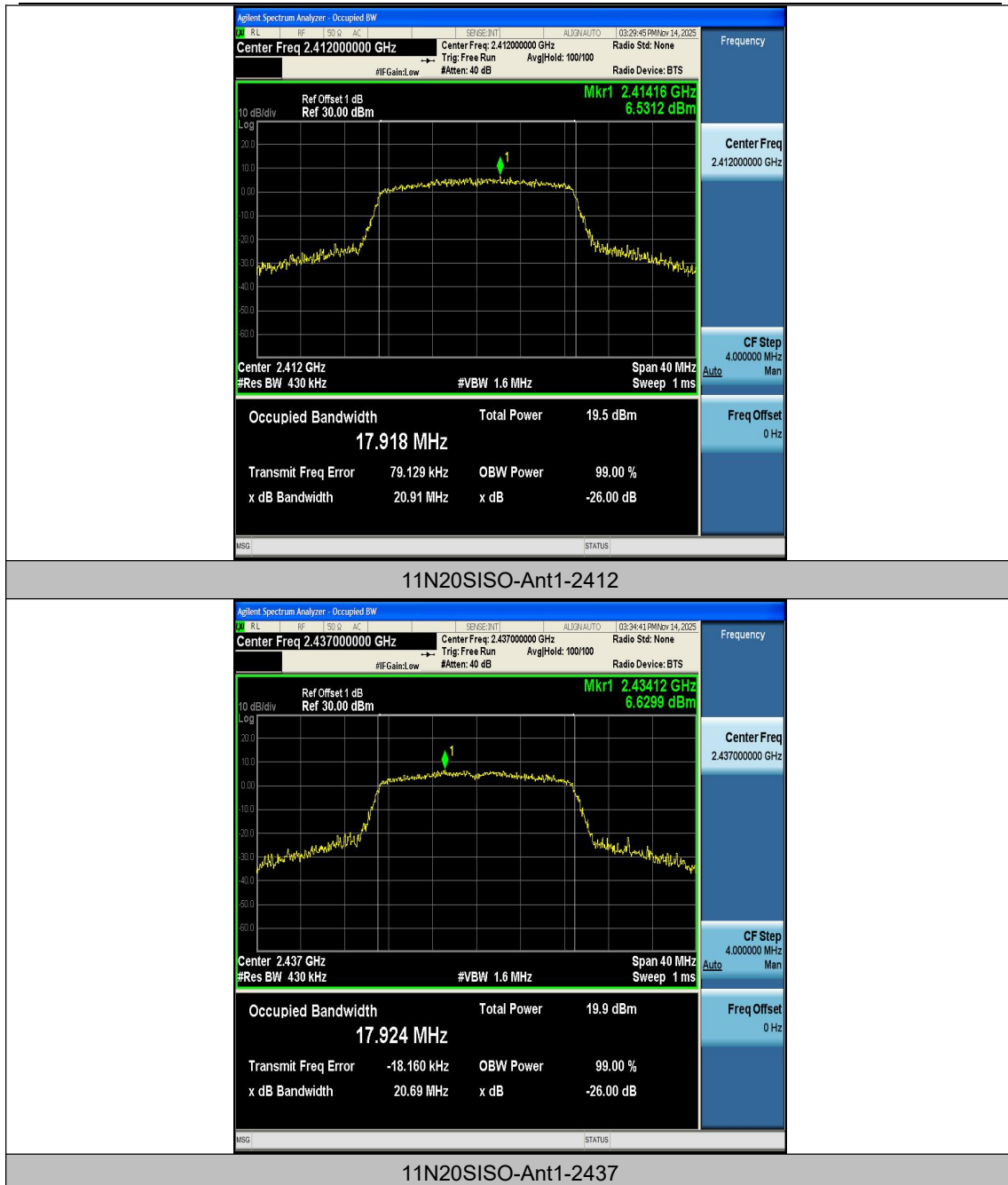
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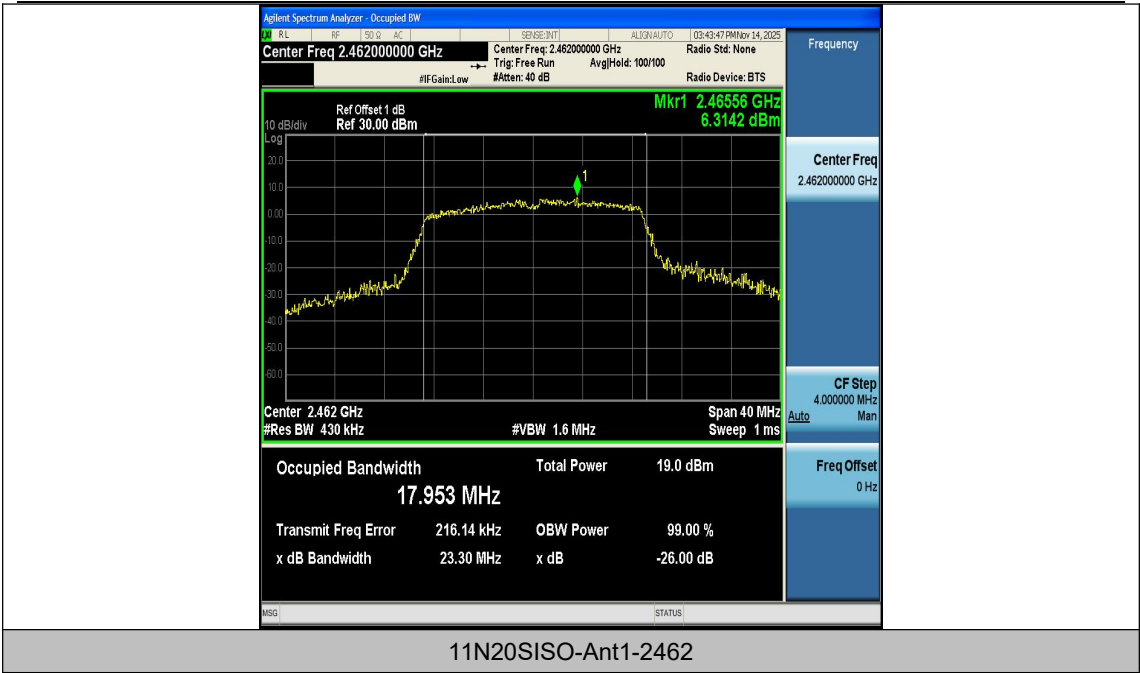
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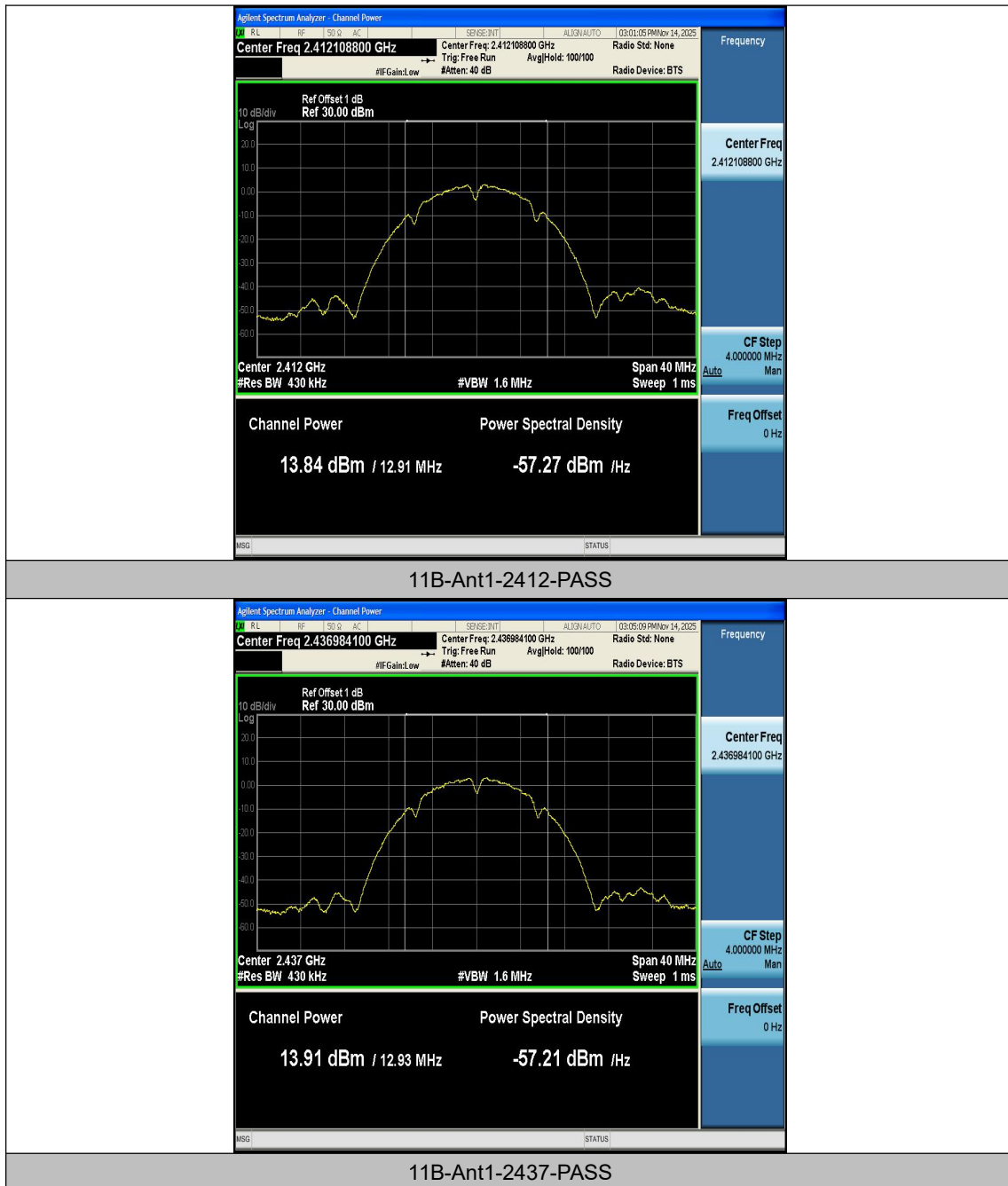
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.84	100.00	0.00	13.84	≤30.00	PASS
11B	Ant1	2437	13.91	100.00	0.00	13.91	≤30.00	PASS
11B	Ant1	2462	13.17	100.00	0.00	13.17	≤30.00	PASS
11G	Ant1	2412	13.21	100.00	0.00	13.21	≤30.00	PASS
11G	Ant1	2437	13.41	100.00	0.00	13.41	≤30.00	PASS
11G	Ant1	2462	12.45	100.00	0.00	12.45	≤30.00	PASS
11N20SI SO	Ant1	2412	13.33	100.00	0.00	13.33	≤30.00	PASS
11N20SI SO	Ant1	2437	13.69	100.00	0.00	13.69	≤30.00	PASS
11N20SI SO	Ant1	2462	12.86	100.00	0.00	12.86	≤30.00	PASS

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

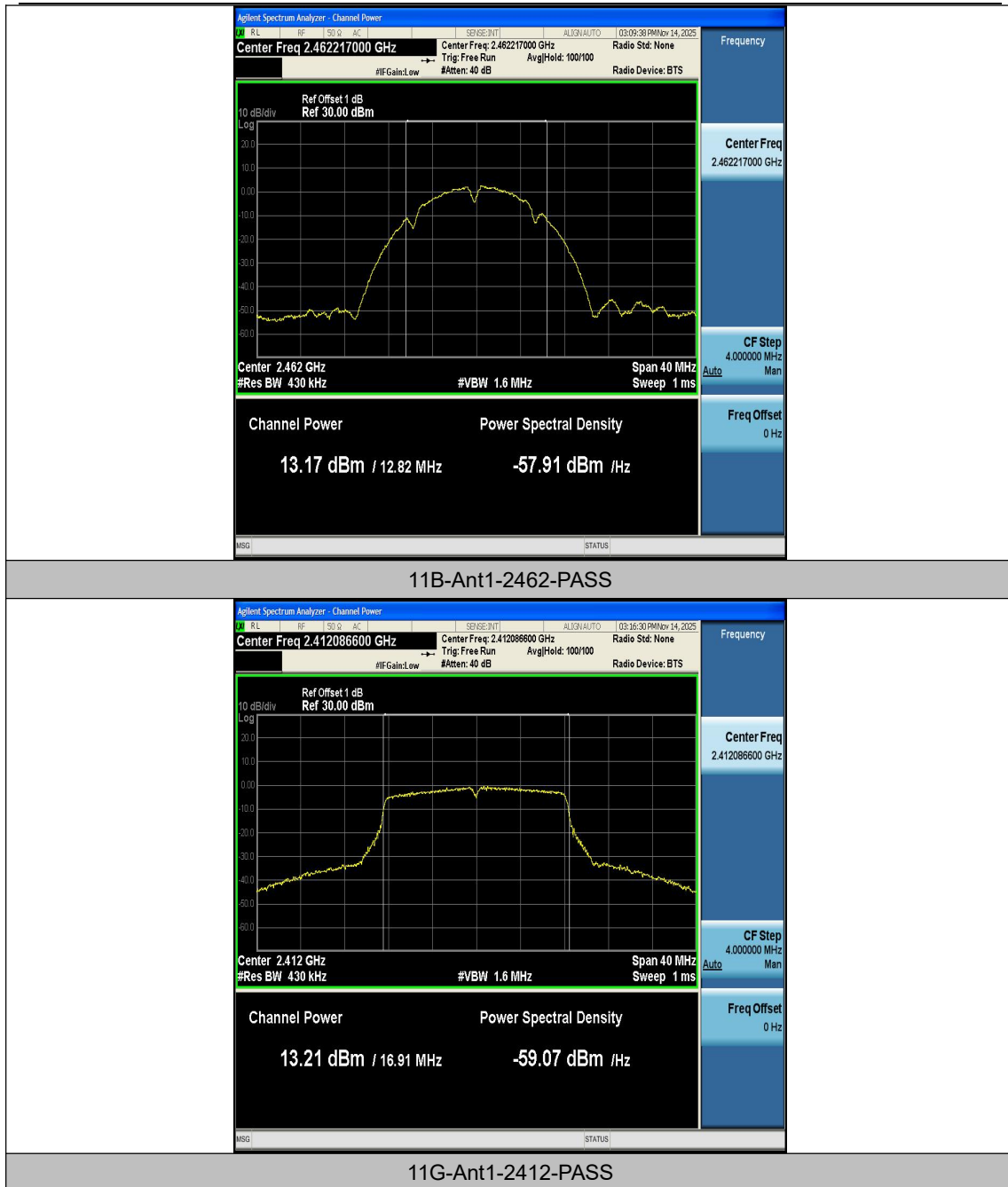
Test Graphs Average



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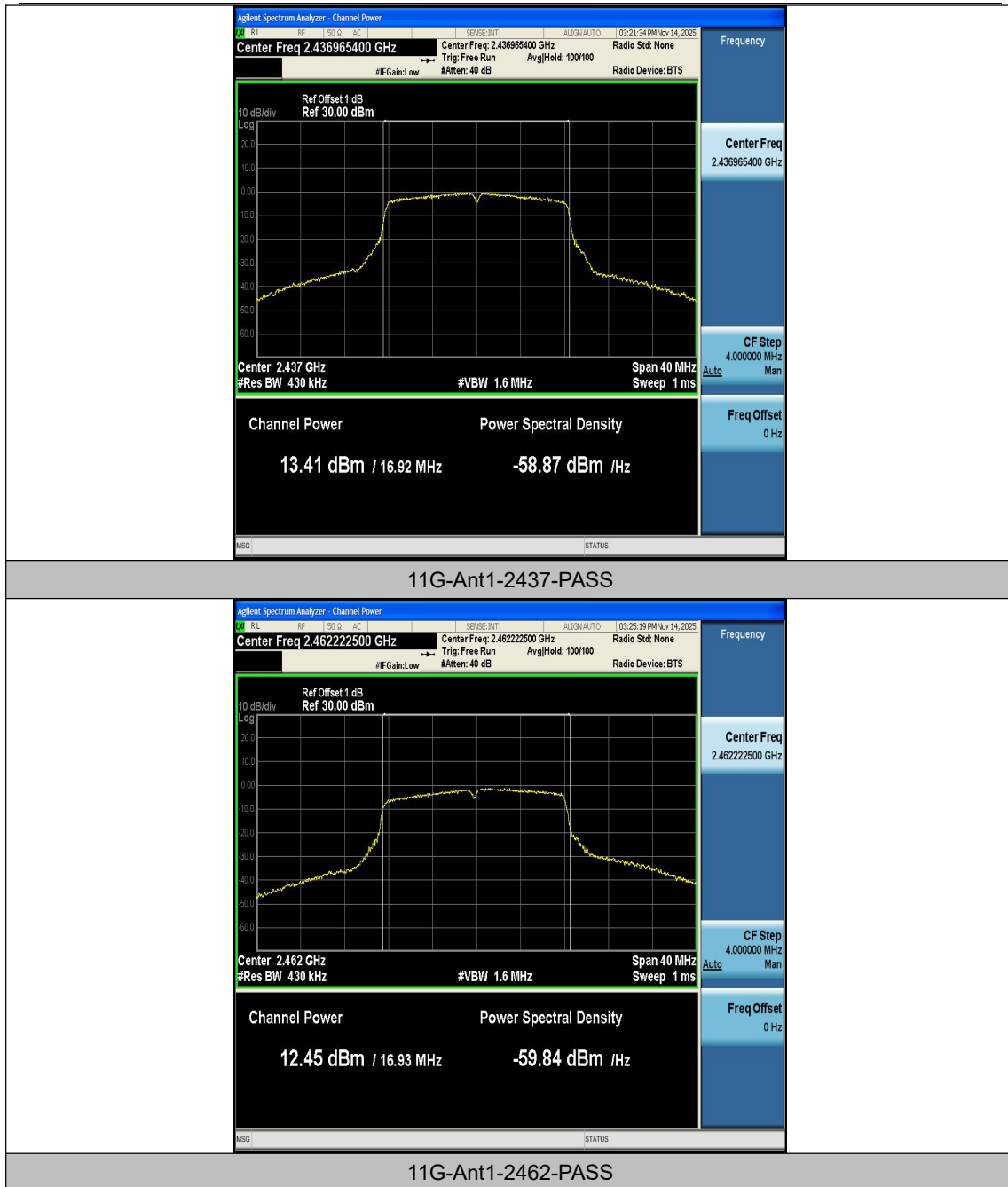
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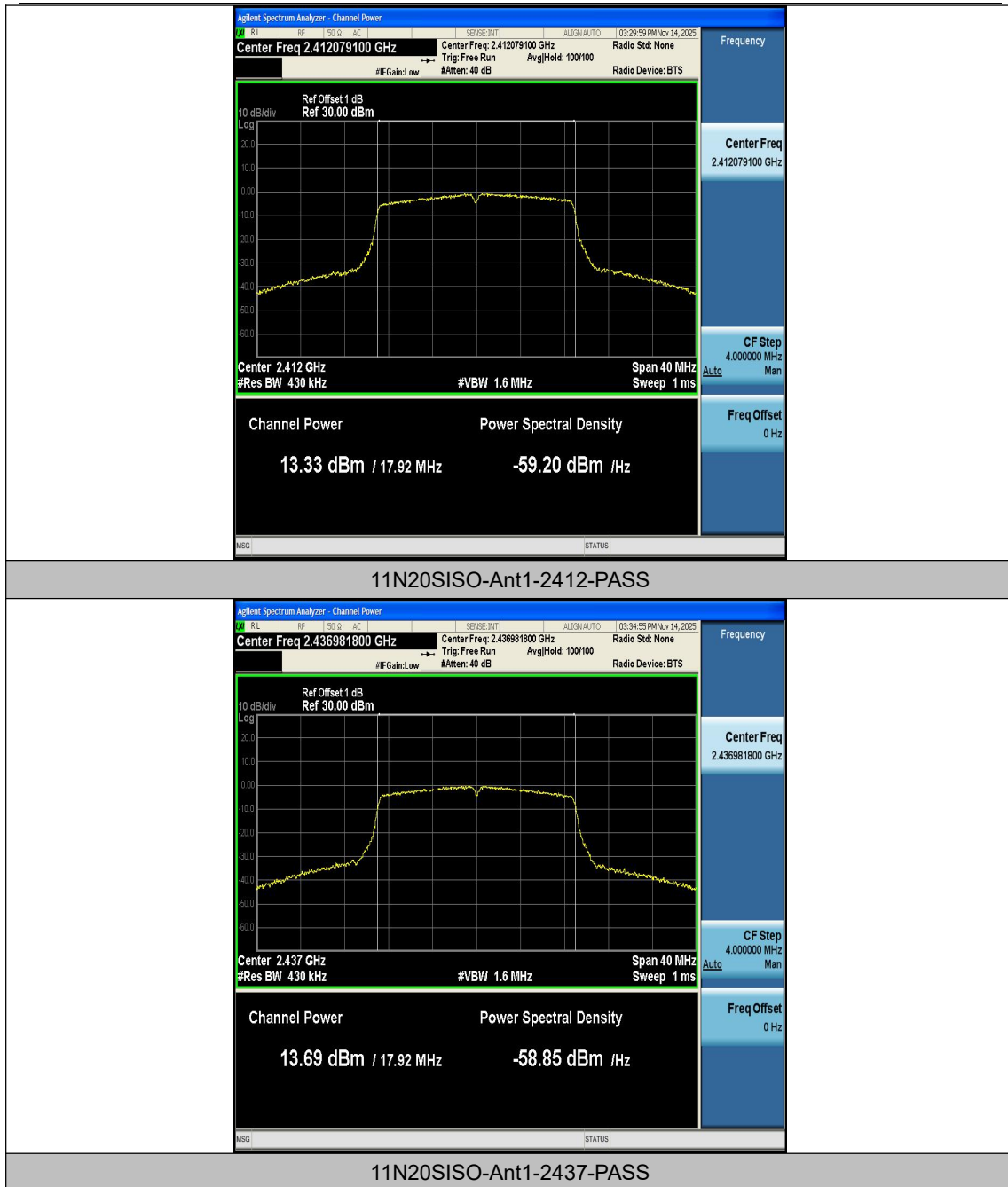
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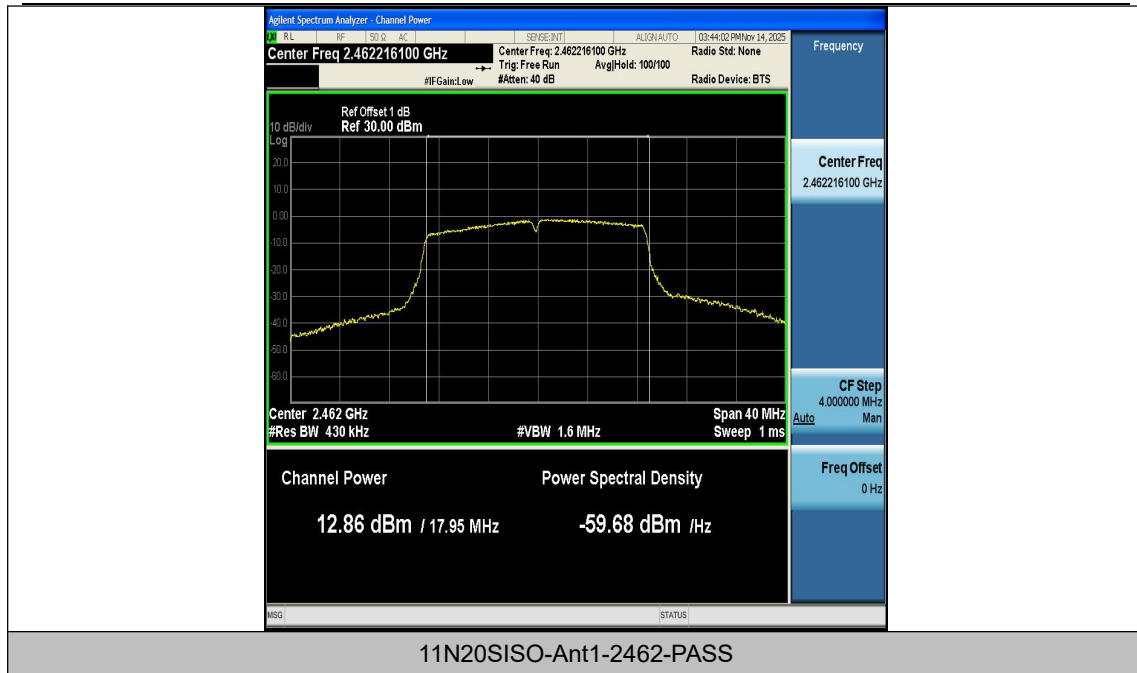
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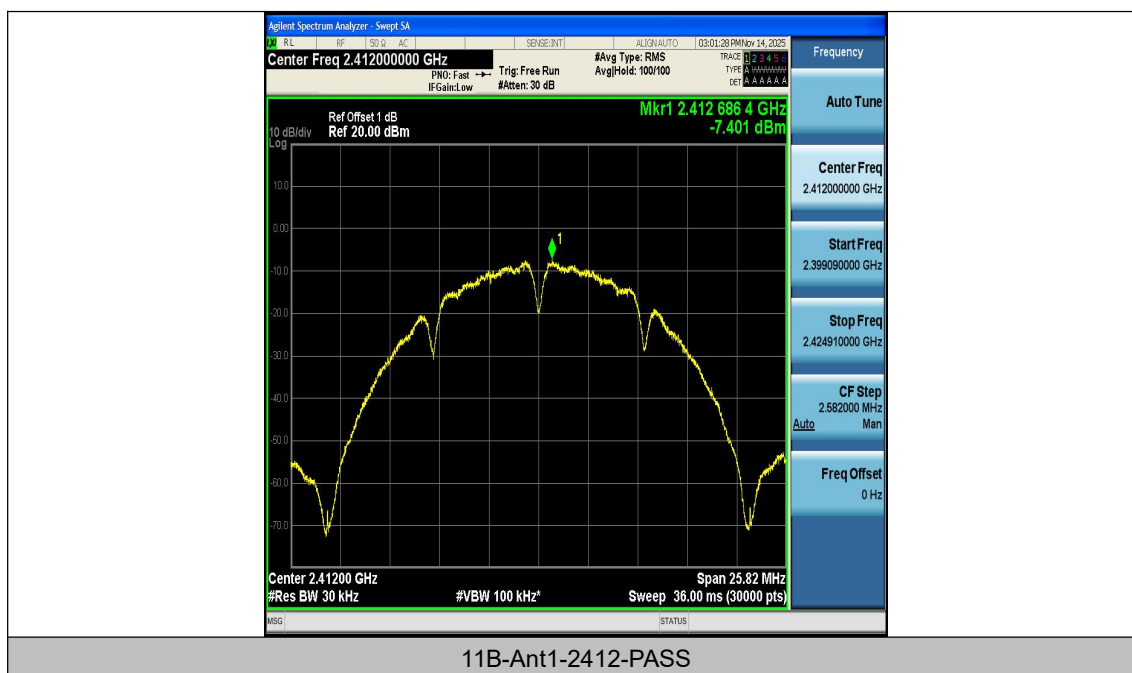
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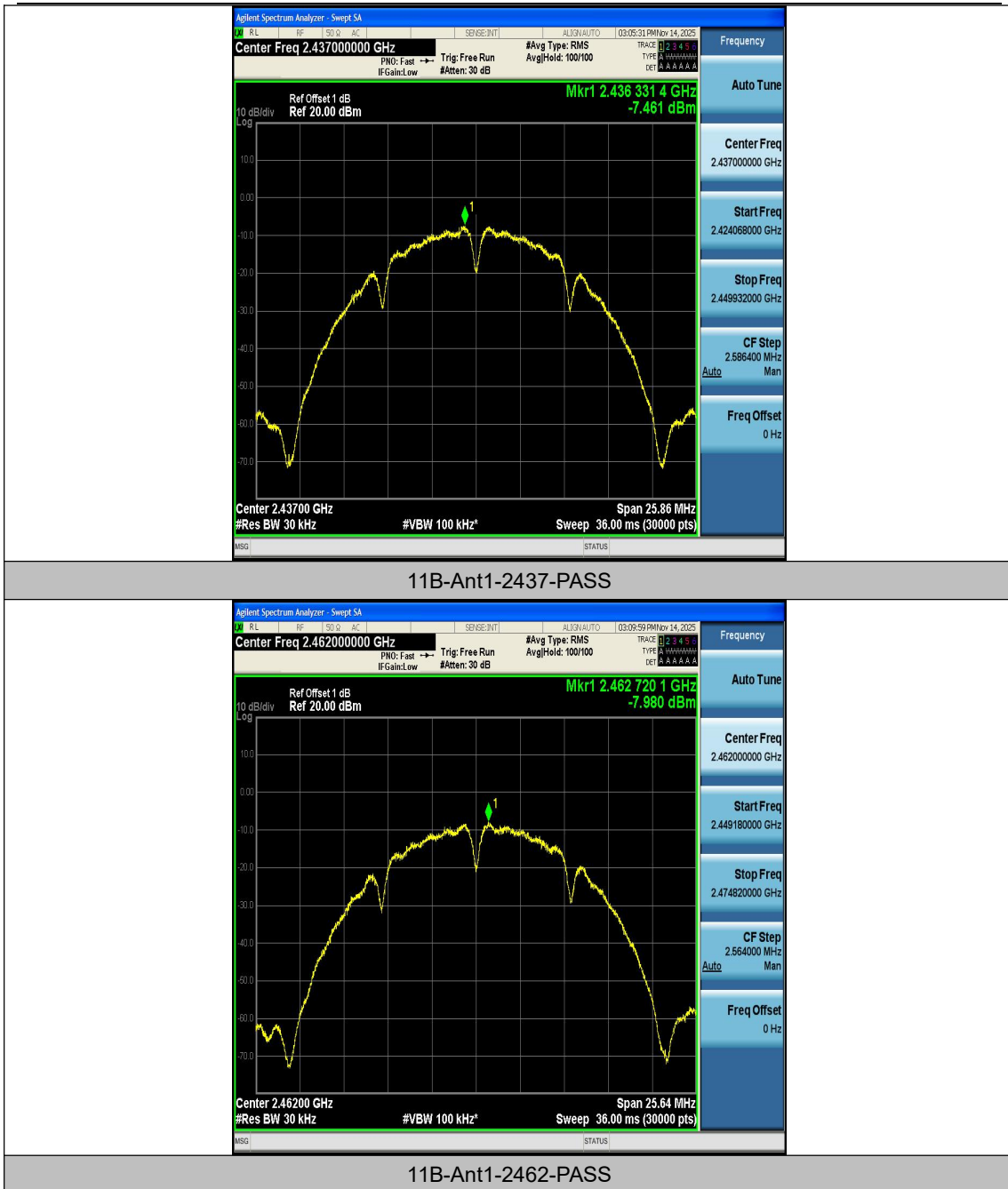
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.40	≤8.00	PASS
11B	Ant1	2437	-7.46	≤8.00	PASS
11B	Ant1	2462	-7.98	≤8.00	PASS
11G	Ant1	2412	-10.42	≤8.00	PASS
11G	Ant1	2437	-10.29	≤8.00	PASS
11G	Ant1	2462	-11.11	≤8.00	PASS
11N20SIS O	Ant1	2412	-10.40	≤8.00	PASS
11N20SIS O	Ant1	2437	-10.01	≤8.00	PASS
11N20SIS O	Ant1	2462	-10.94	≤8.00	PASS

Test Graphs

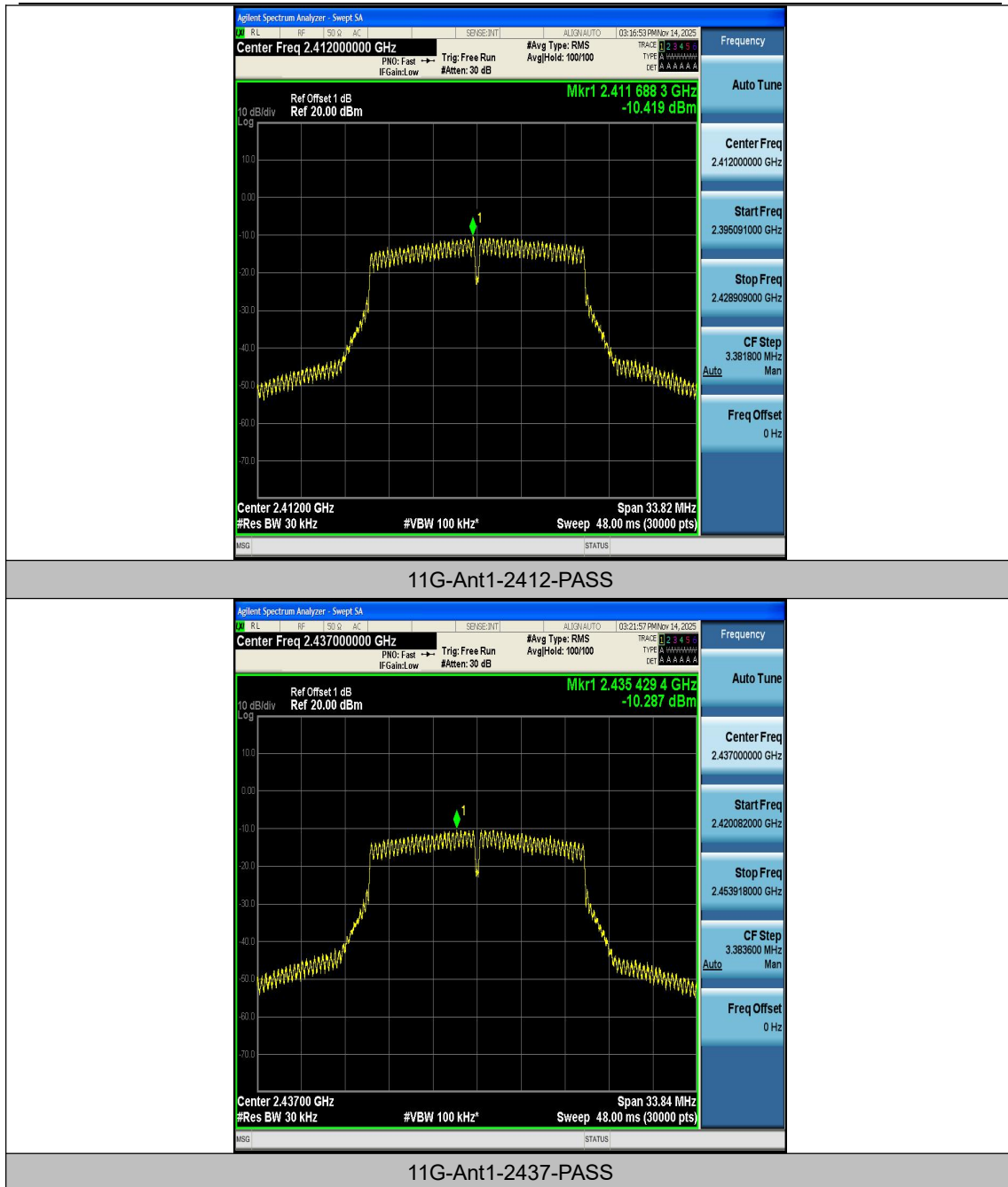




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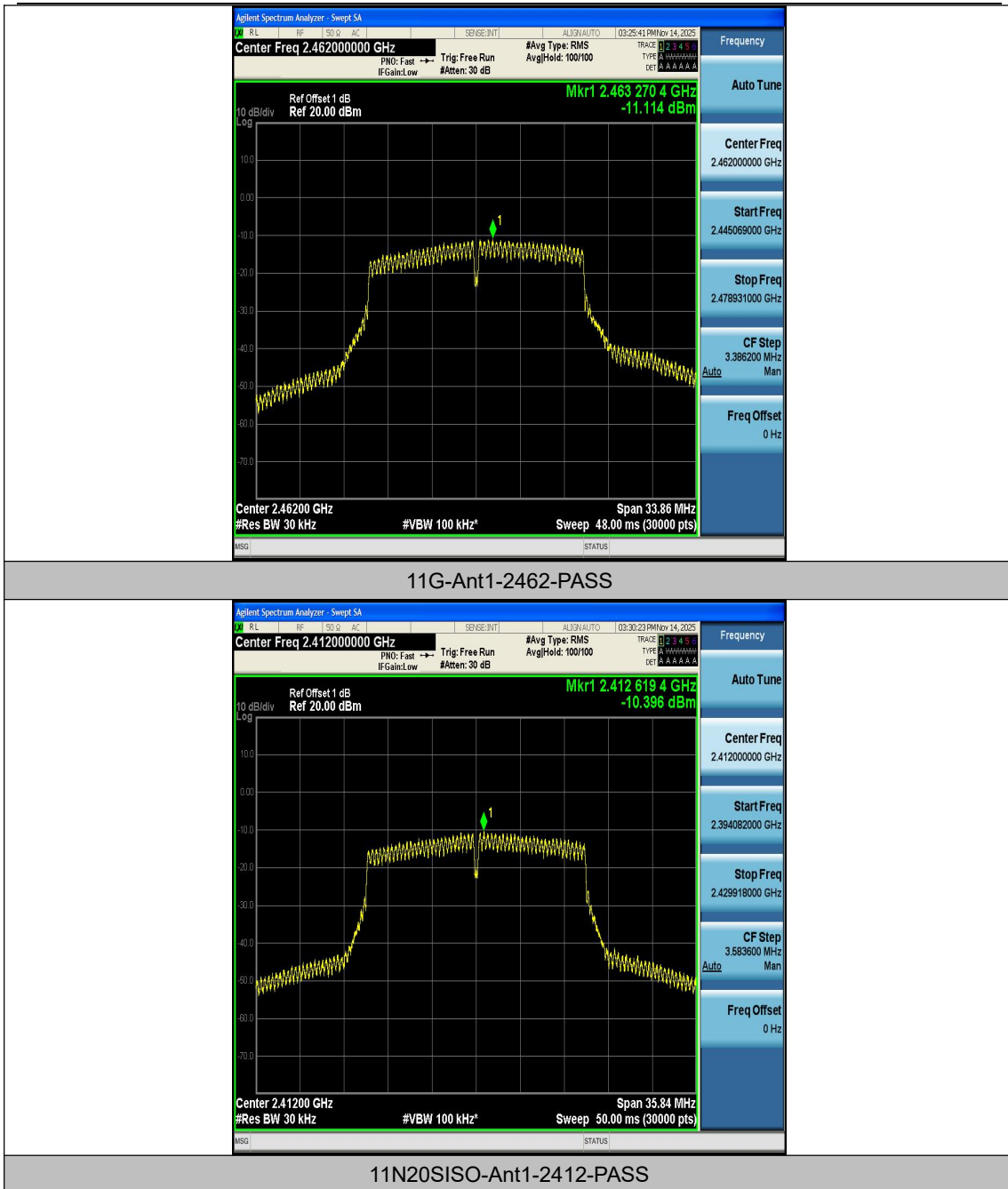
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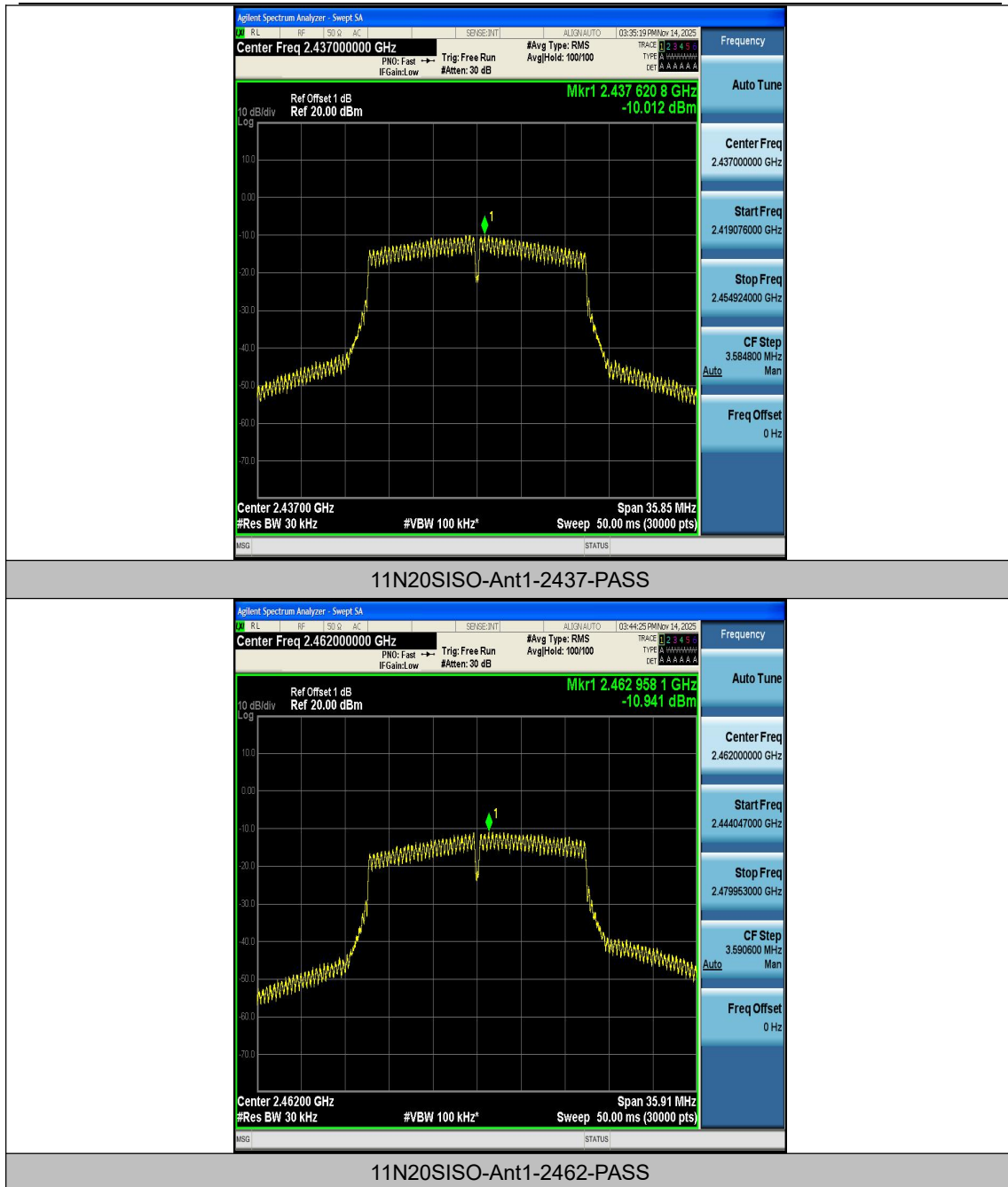
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.87	-41.3	≤-24.13	PASS
11B	Ant1	High	2462	4.86	-50.19	≤-25.15	PASS
11G	Ant1	Low	2412	-2.06	-35.89	≤-32.06	PASS
11G	Ant1	High	2462	-0.14	-41.25	≤-30.14	PASS
11N20SISO	Ant1	Low	2412	-2.76	-35.74	≤-32.76	PASS
11N20SISO	Ant1	High	2462	-3.19	-45.25	≤-33.19	PASS