

Appendix Test Data

Report No.:	1812C50582812503-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-8	Finish Test Date:	2025-11-19
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.7°C	Relative Humidity:	39%
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	10.200	2431.920	2442.120	0.5	PASS
11B	Ant1	2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	16.200	2403.920	2420.120	0.5	PASS
11G	Ant1	2437	16.200	2428.960	2445.160	0.5	PASS
11G	Ant1	2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.280	2420.600	0.5	PASS
11N20SISO	Ant1	2437	17.440	2428.360	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.240	2404.000	2440.240	0.5	PASS
11N40SISO	Ant1	2437	36.080	2418.840	2454.920	0.5	PASS
11N40SISO	Ant1	2452	36.080	2433.920	2470.000	0.5	PASS
11AX20SISO	Ant1	2412	18.720	2402.560	2421.280	0.5	PASS
11AX20SISO	Ant1	2437	18.360	2427.880	2446.240	0.5	PASS
11AX20SISO	Ant1	2462	18.520	2452.600	2471.120	0.5	PASS
11AX40SISO	Ant1	2422	35.840	2403.360	2439.200	0.5	PASS
11AX40SISO	Ant1	2437	37.120	2418.280	2455.400	0.5	PASS
11AX40SISO	Ant1	2452	36.960	2433.280	2470.240	0.5	PASS

Test Graphs



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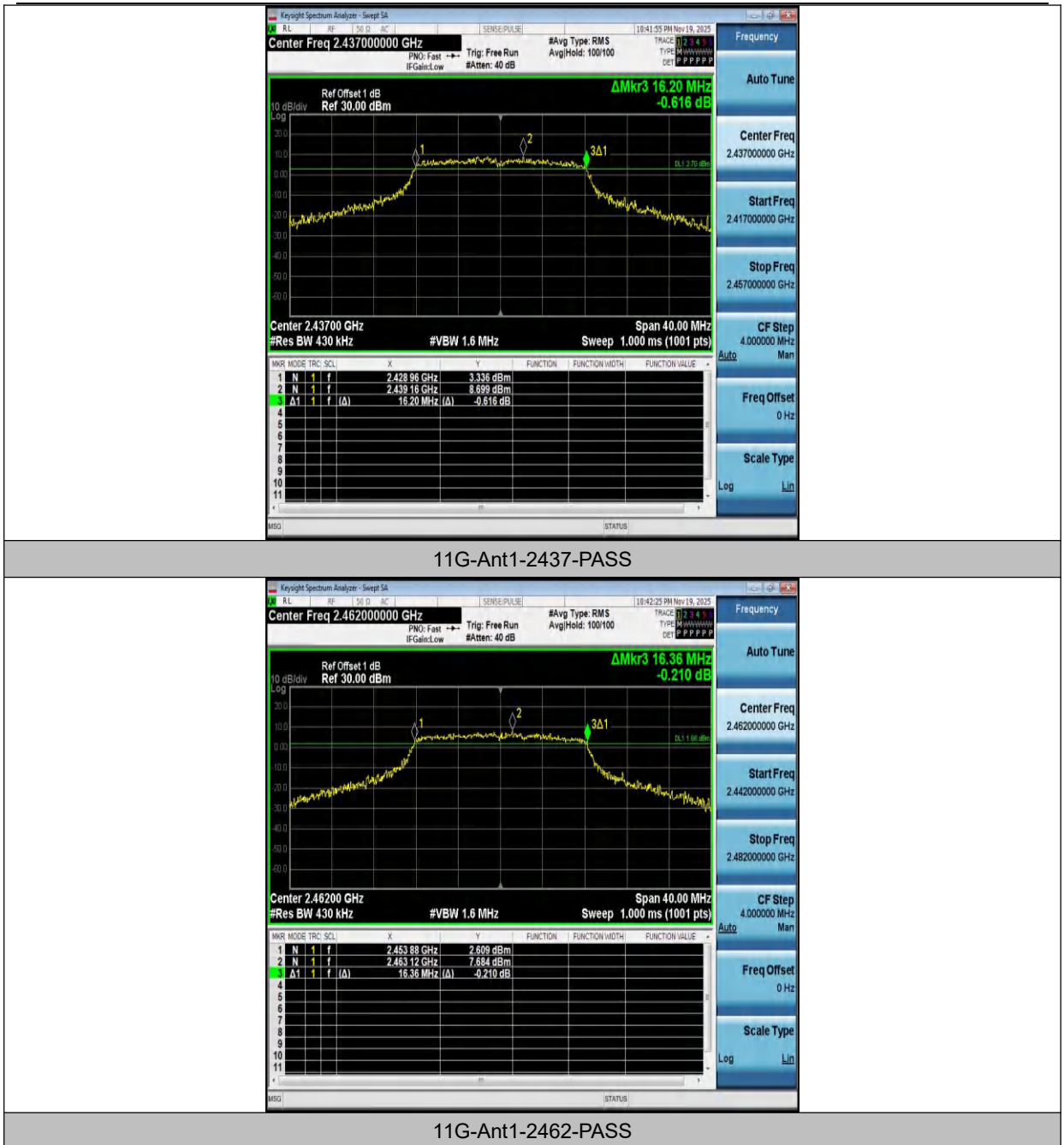
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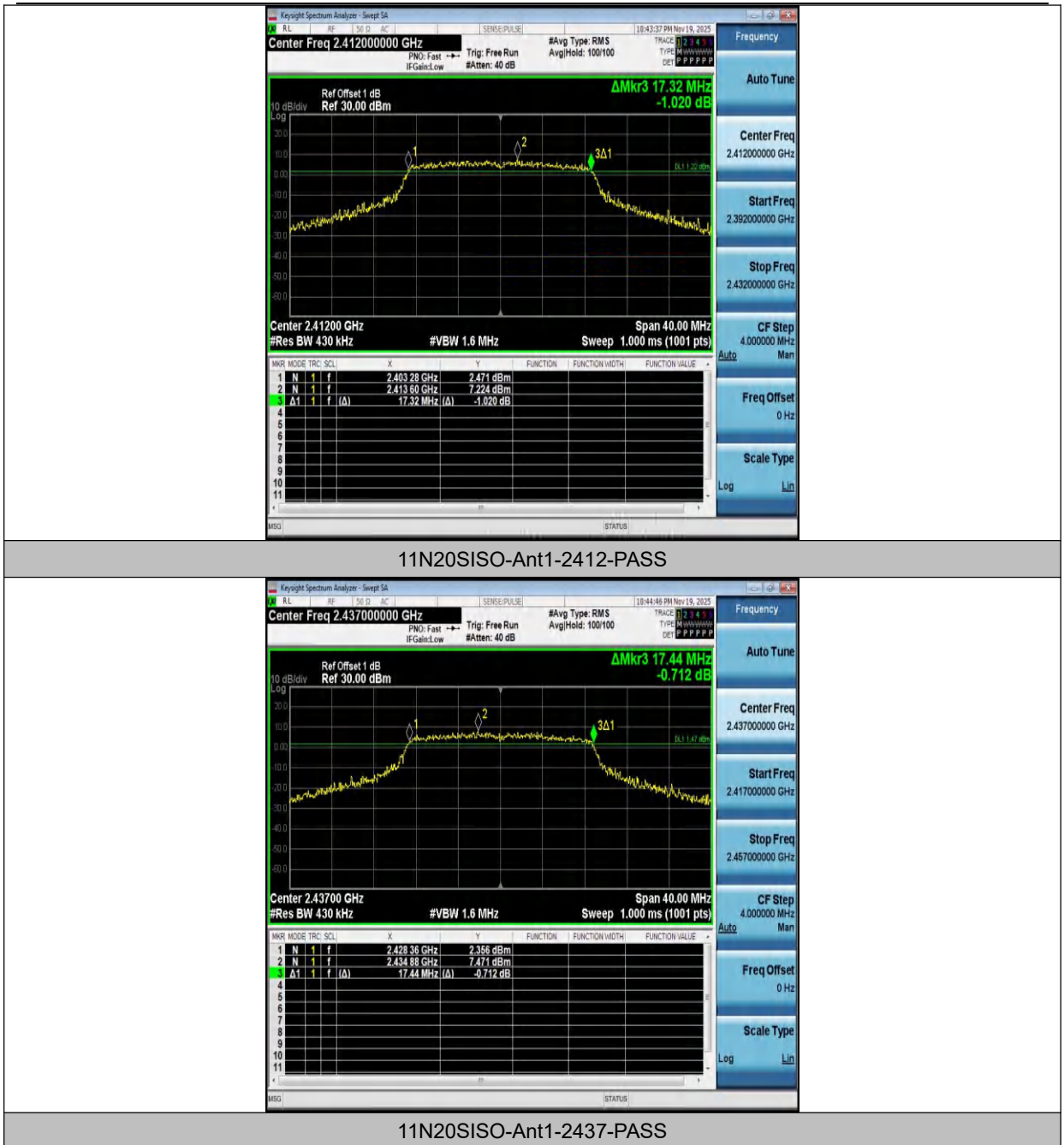
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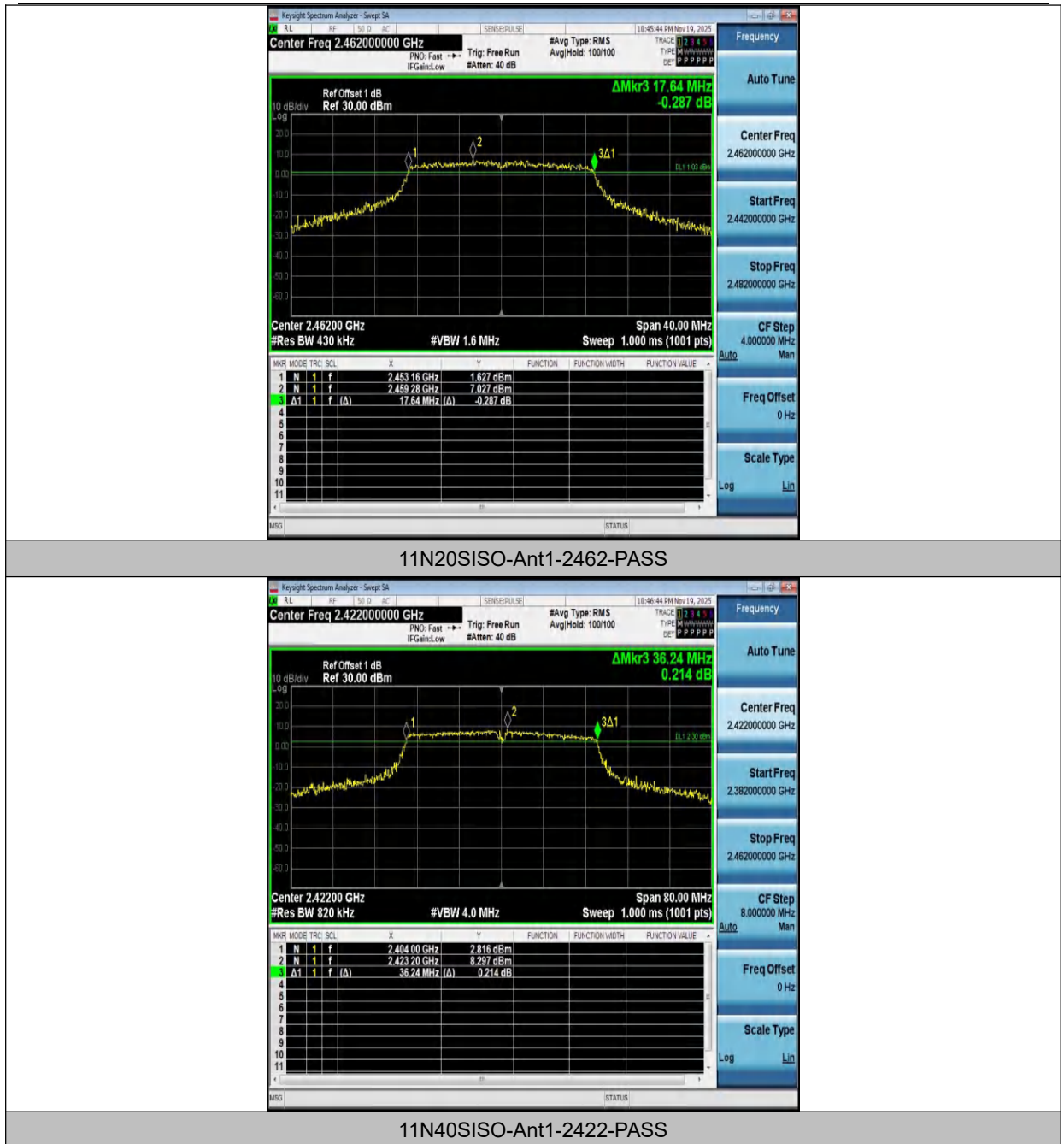
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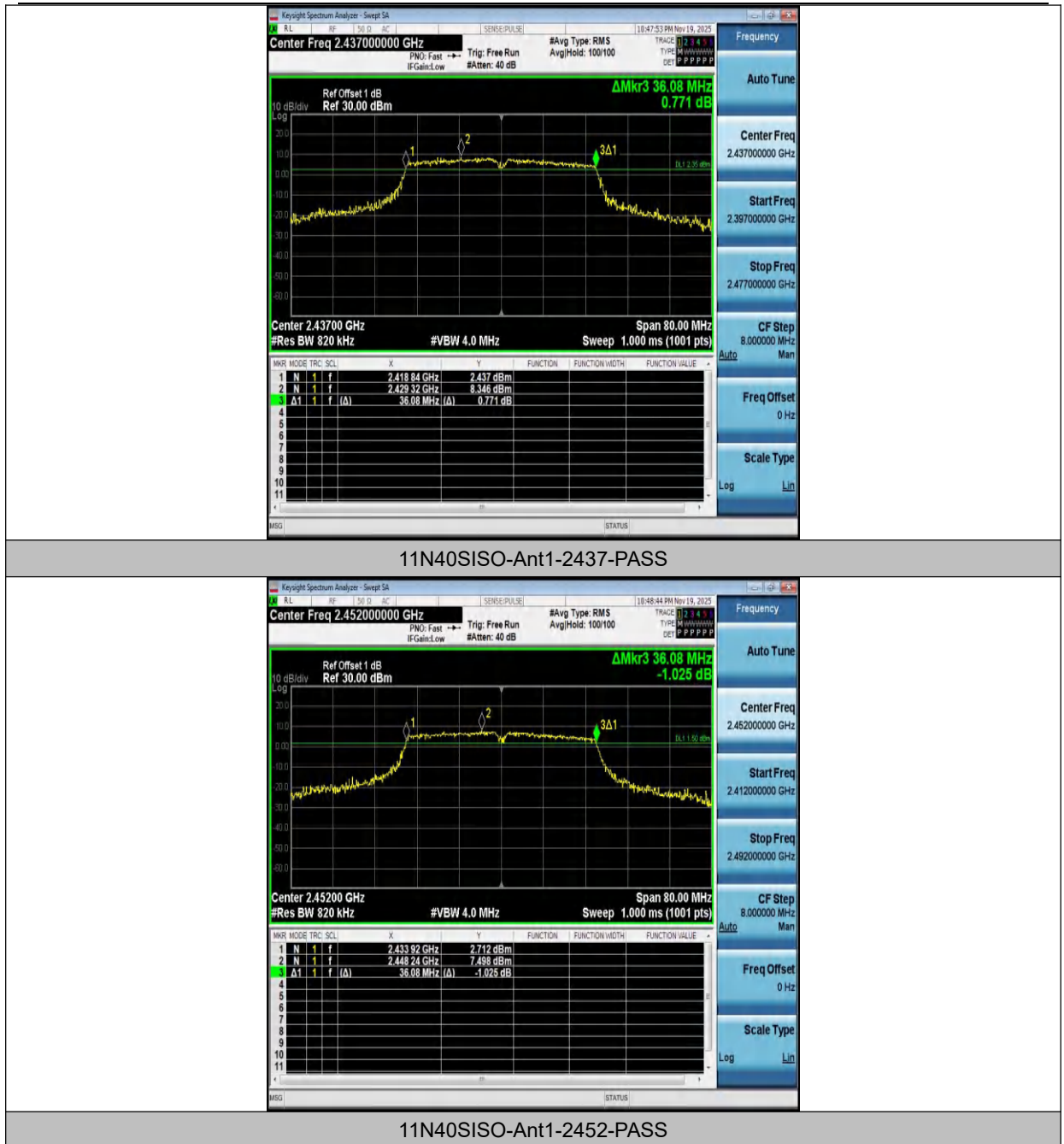
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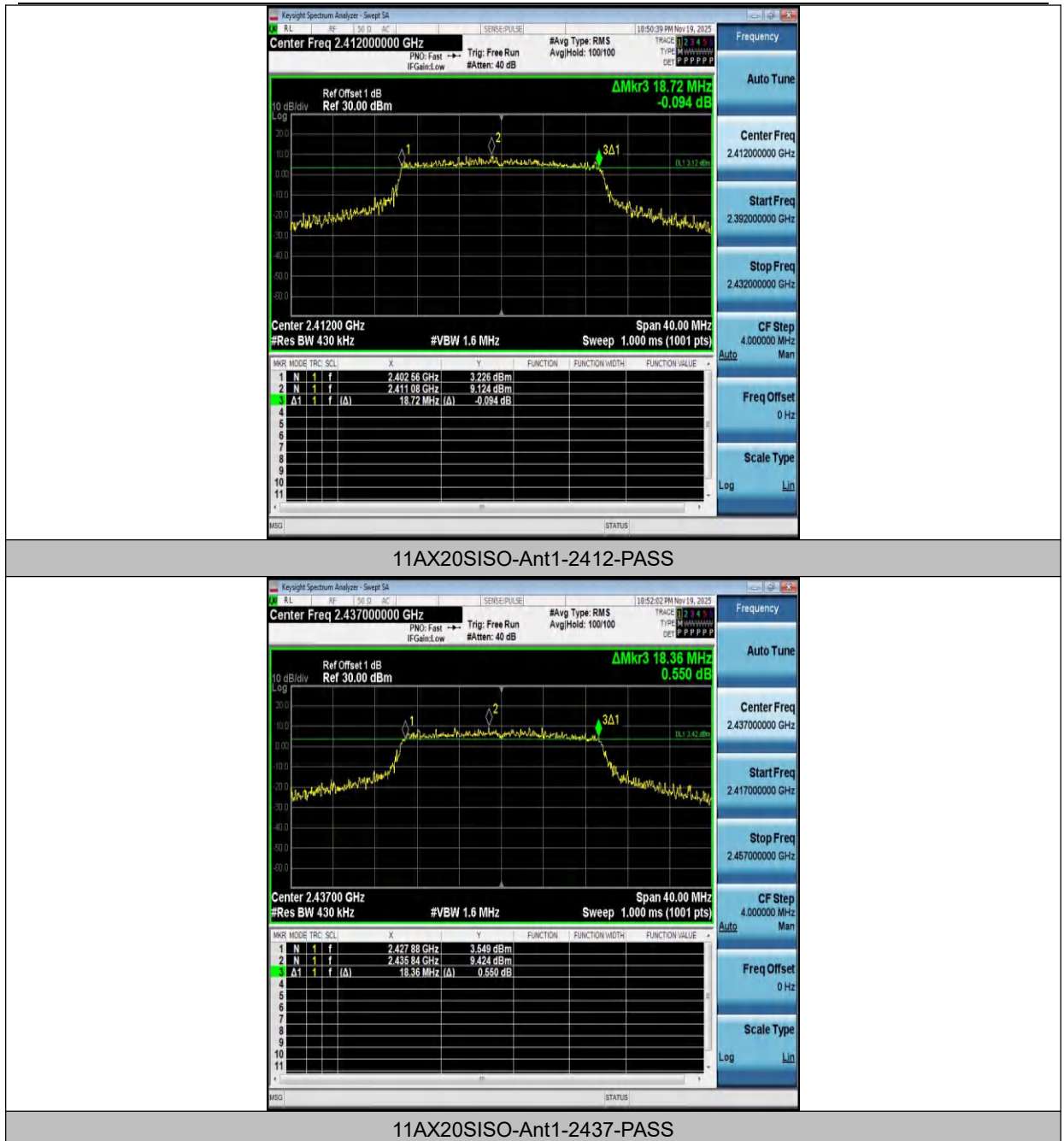
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.038	2406.0607	2420.0987	---	---
11B	Ant1	2437	14.041	2431.0358	2445.0768	---	---
11B	Ant1	2462	15.090	2454.4457	2469.5357	---	---
11G	Ant1	2412	17.656	2403.0597	2420.7157	---	---
11G	Ant1	2437	17.726	2427.9948	2445.7208	---	---
11G	Ant1	2462	17.574	2453.1242	2470.6982	---	---
11N20SISO	Ant1	2412	18.714	2402.6093	2421.3233	---	---
11N20SISO	Ant1	2437	18.791	2427.5328	2446.3238	---	---
11N20SISO	Ant1	2462	18.595	2452.6814	2471.2764	---	---
11N40SISO	Ant1	2422	37.250	2403.2976	2440.5476	---	---
11N40SISO	Ant1	2437	37.432	2418.1175	2455.5495	---	---
11N40SISO	Ant1	2452	37.144	2433.3378	2470.4818	---	---
11AX20SISO	Ant1	2412	19.360	2402.3019	2421.6619	---	---
11AX20SISO	Ant1	2437	19.313	2427.3420	2446.6550	---	---
11AX20SISO	Ant1	2462	19.395	2452.2705	2471.6655	---	---
11AX40SISO	Ant1	2422	38.286	2402.8051	2441.0911	---	---
11AX40SISO	Ant1	2437	38.257	2417.8130	2456.0700	---	---
11AX40SISO	Ant1	2452	38.127	2432.8685	2470.9955	---	---

Test Graphs



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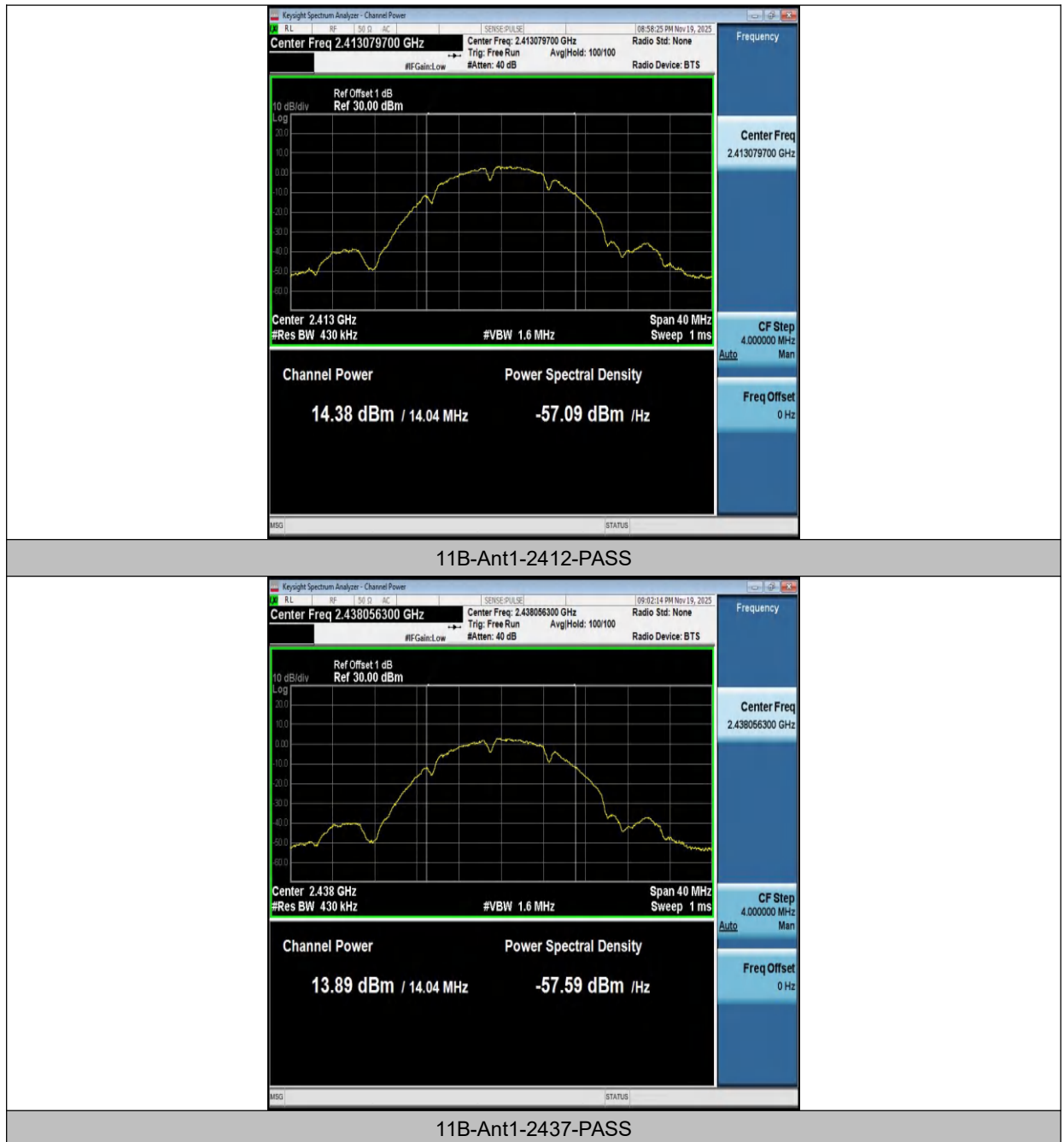
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.38	100.00	0.00	14.38	≤30.00	PASS
11B	Ant1	2437	13.89	100.00	0.00	13.89	≤30.00	PASS
11B	Ant1	2462	14.30	100.00	0.00	14.30	≤30.00	PASS
11G	Ant1	2412	14.28	100.00	0.00	14.28	≤30.00	PASS
11G	Ant1	2437	14.55	100.00	0.00	14.55	≤30.00	PASS
11G	Ant1	2462	13.27	100.00	0.00	13.27	≤30.00	PASS
11N20SISO	Ant1	2412	14.26	100.00	0.00	14.26	≤30.00	PASS
11N20SISO	Ant1	2437	14.49	100.00	0.00	14.49	≤30.00	PASS
11N20SISO	Ant1	2462	13.32	100.00	0.00	13.32	≤30.00	PASS
11N40SISO	Ant1	2422	14.81	100.00	0.00	14.81	≤30.00	PASS
11N40SISO	Ant1	2437	14.70	100.00	0.00	14.70	≤30.00	PASS
11N40SISO	Ant1	2452	14.22	100.00	0.00	14.22	≤30.00	PASS
11AX20SISO	Ant1	2412	14.01	100.00	0.00	14.01	≤30.00	PASS
11AX20SISO	Ant1	2437	14.27	100.00	0.00	14.27	≤30.00	PASS
11AX20SISO	Ant1	2462	13.04	100.00	0.00	13.04	≤30.00	PASS
11AX40SISO	Ant1	2422	14.50	100.00	0.00	14.50	≤30.00	PASS
11AX40SISO	Ant1	2437	14.63	100.00	0.00	14.63	≤30.00	PASS
11AX40SISO	Ant1	2452	13.84	100.00	0.00	13.84	≤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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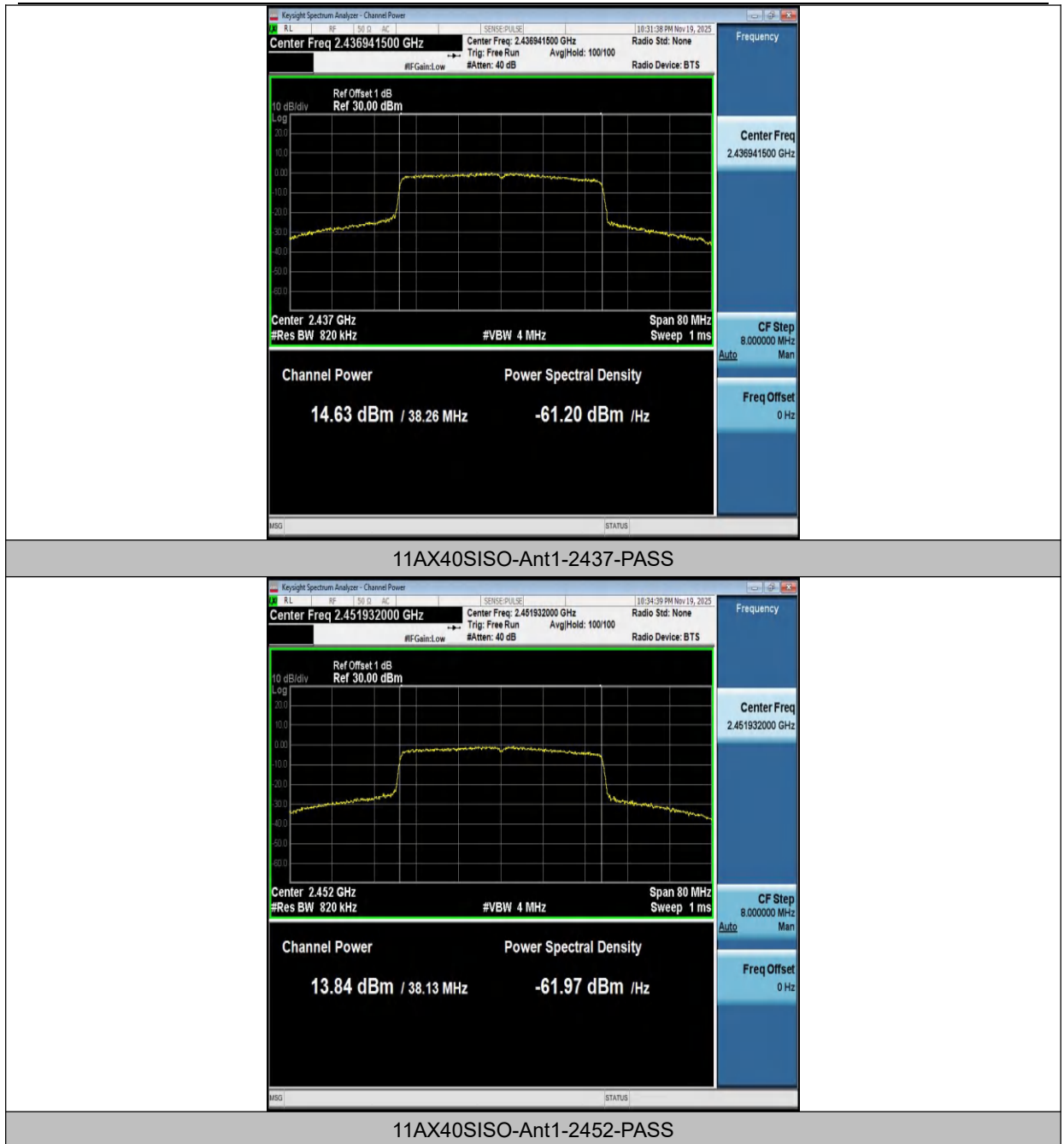
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Appendix D: Maximum power spectral density

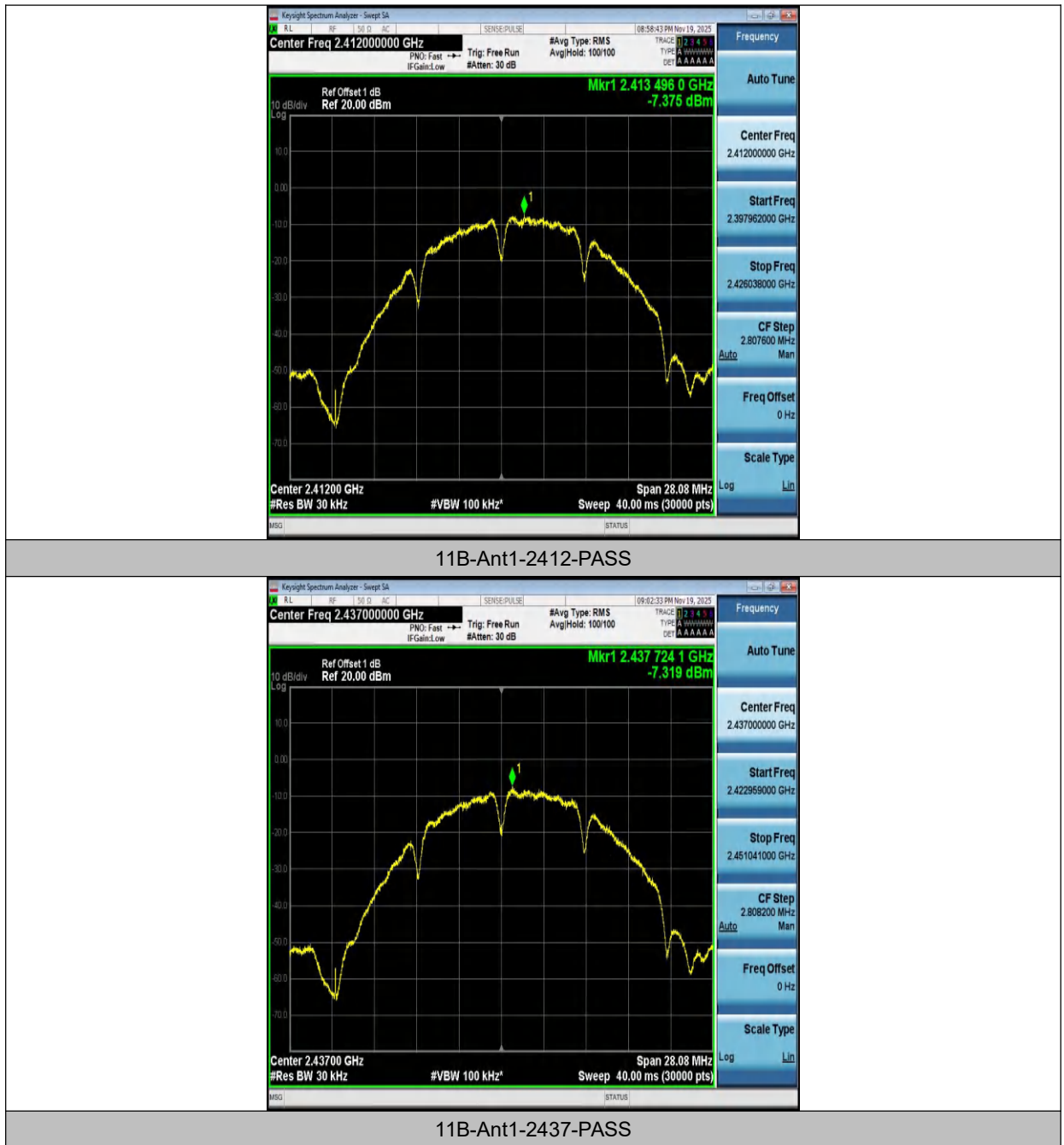
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.38	-17.38	≤8.00	PASS
11B	Ant1	2437	-7.32	-17.32	≤8.00	PASS
11B	Ant1	2462	-7.57	-17.57	≤8.00	PASS
11G	Ant1	2412	-9.72	-19.72	≤8.00	PASS
11G	Ant1	2437	-9.51	-19.51	≤8.00	PASS
11G	Ant1	2462	-10.20	-20.2	≤8.00	PASS
11N20SISO	Ant1	2412	-10.11	-20.11	≤8.00	PASS
11N20SISO	Ant1	2437	-9.43	-19.43	≤8.00	PASS
11N20SISO	Ant1	2462	-11.08	-21.08	≤8.00	PASS
11N40SISO	Ant1	2422	-11.08	-21.08	≤8.00	PASS
11N40SISO	Ant1	2437	-12.00	-22.00	≤8.00	PASS
11N40SISO	Ant1	2452	-11.99	-21.99	≤8.00	PASS
11AX20SISO	Ant1	2412	-10.96	-20.96	≤8.00	PASS
11AX20SISO	Ant1	2437	-10.91	-20.91	≤8.00	PASS
11AX20SISO	Ant1	2462	-11.78	-21.78	≤8.00	PASS
11AX40SISO	Ant1	2422	-10.77	-20.77	≤8.00	PASS
11AX40SISO	Ant1	2437	-11.93	-21.93	≤8.00	PASS
11AX40SISO	Ant1	2452	-13.21	-23.21	≤8.00	PASS

Note:

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

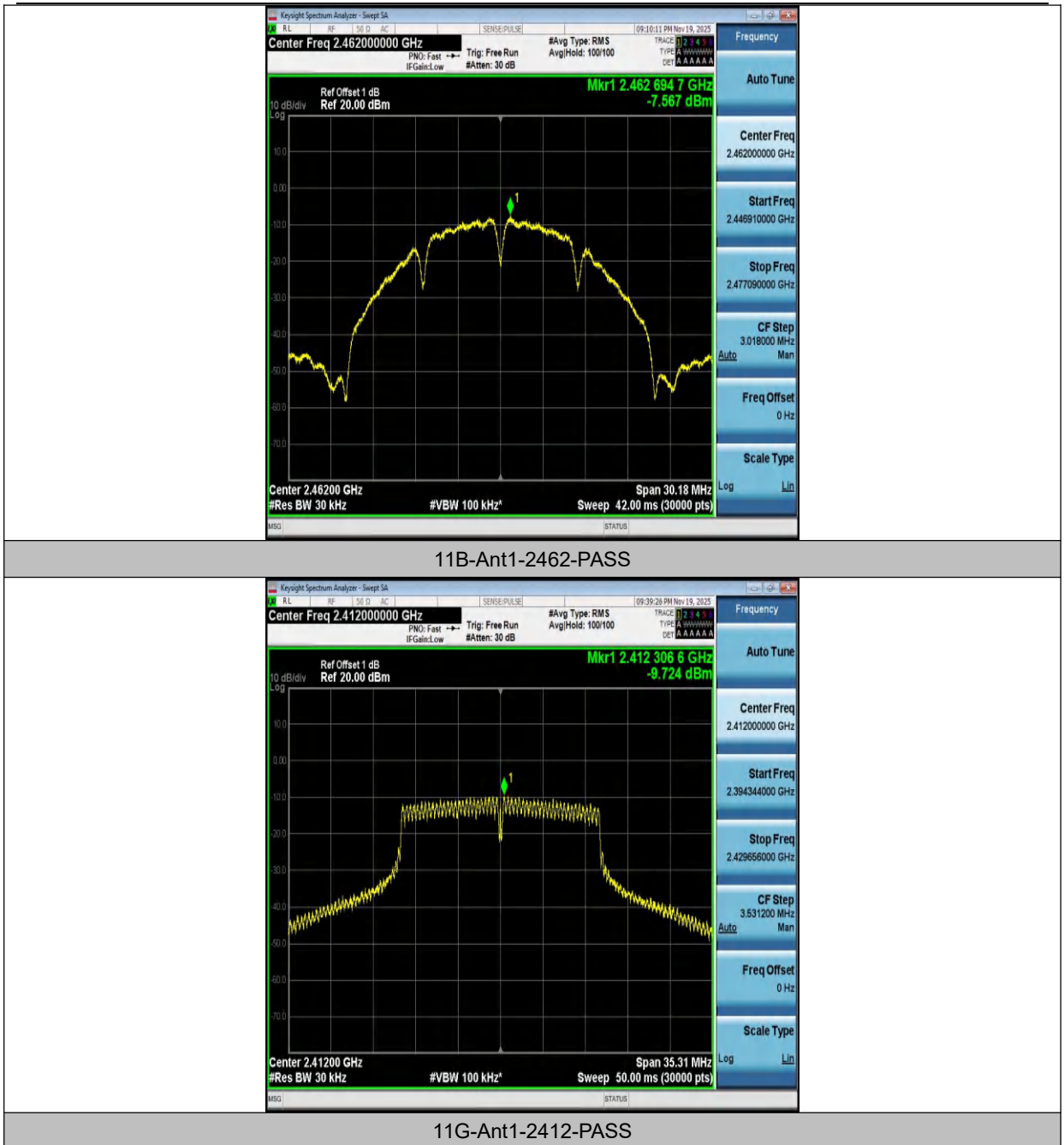
Test Graphs



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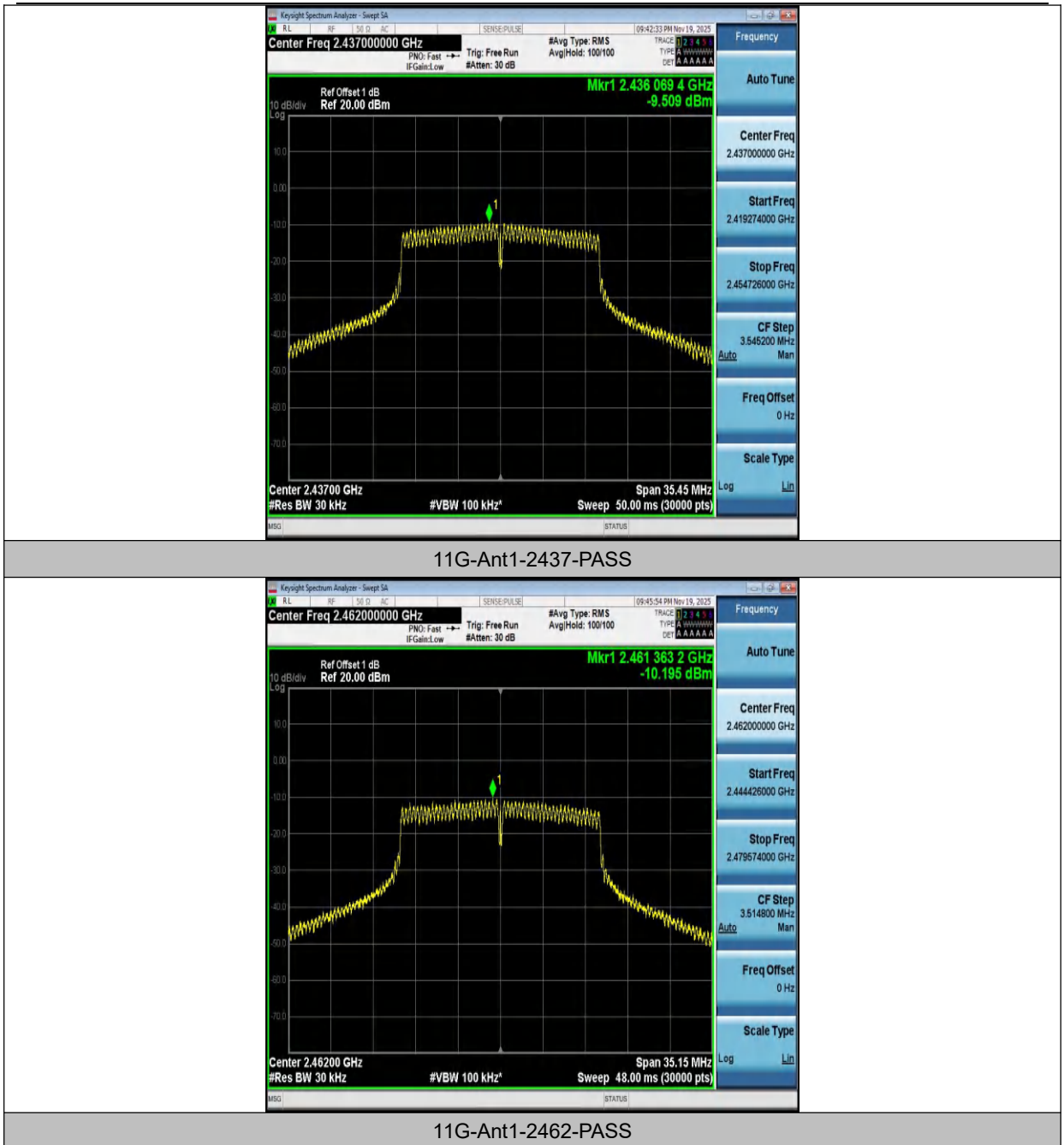
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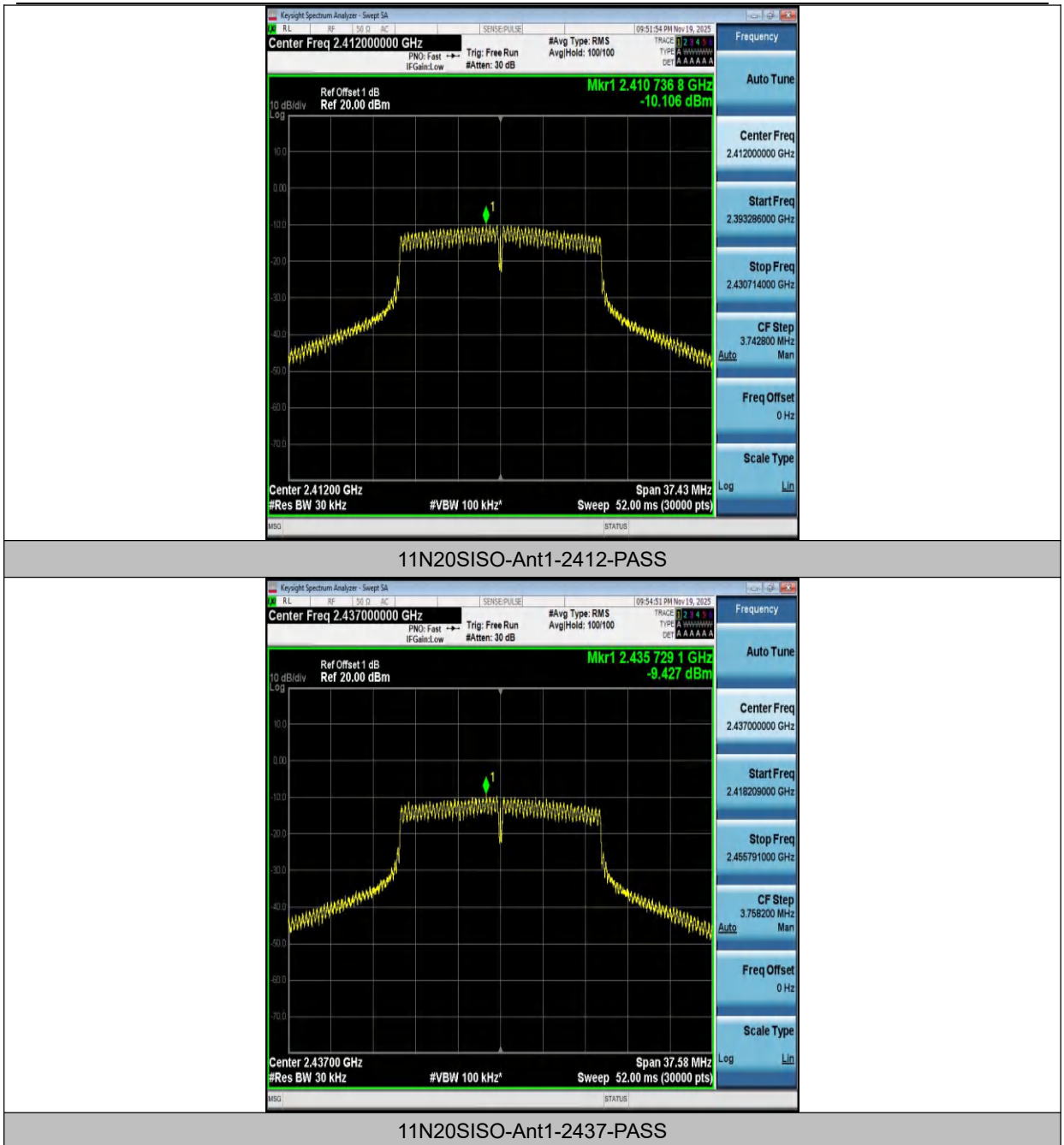
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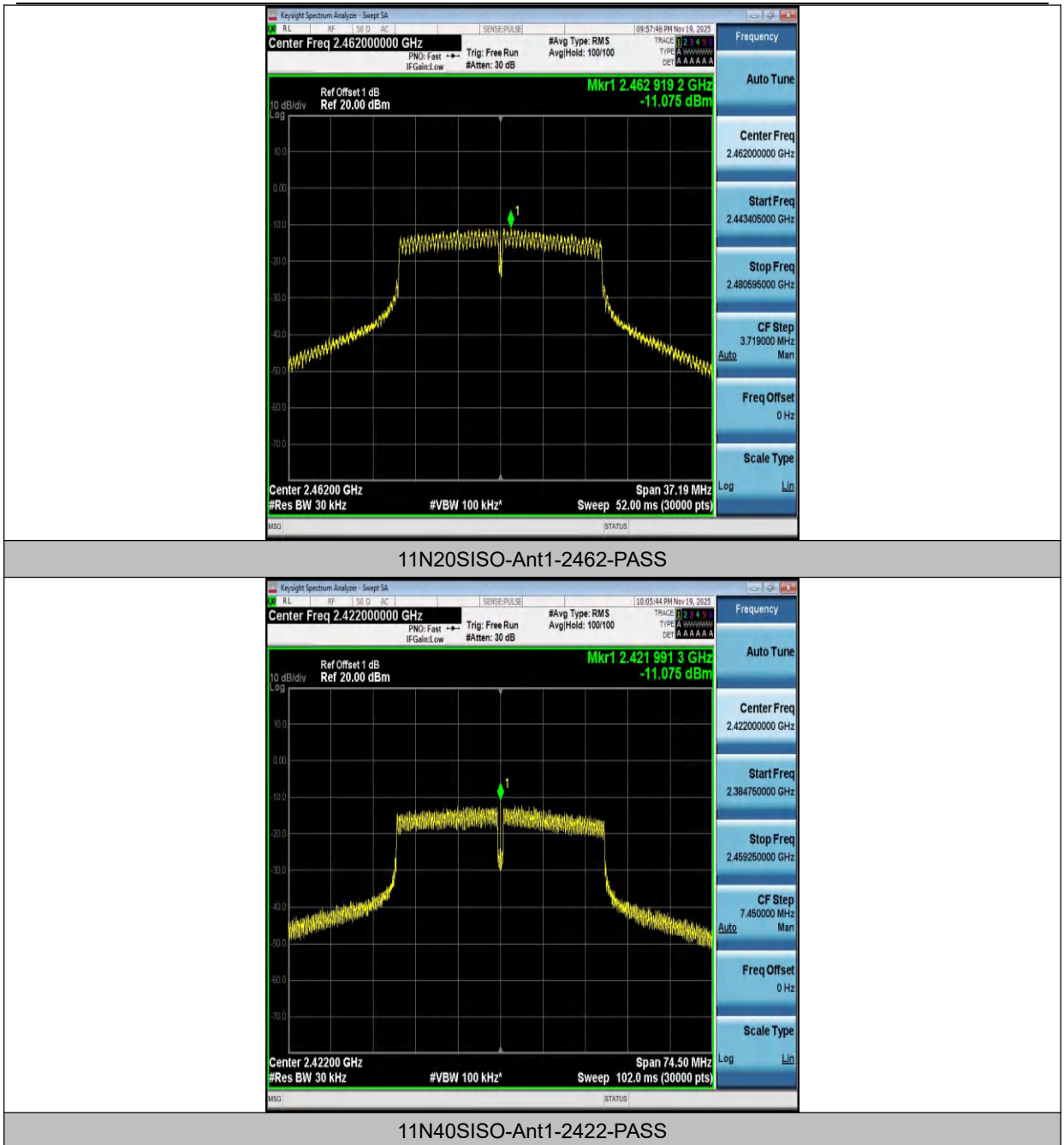
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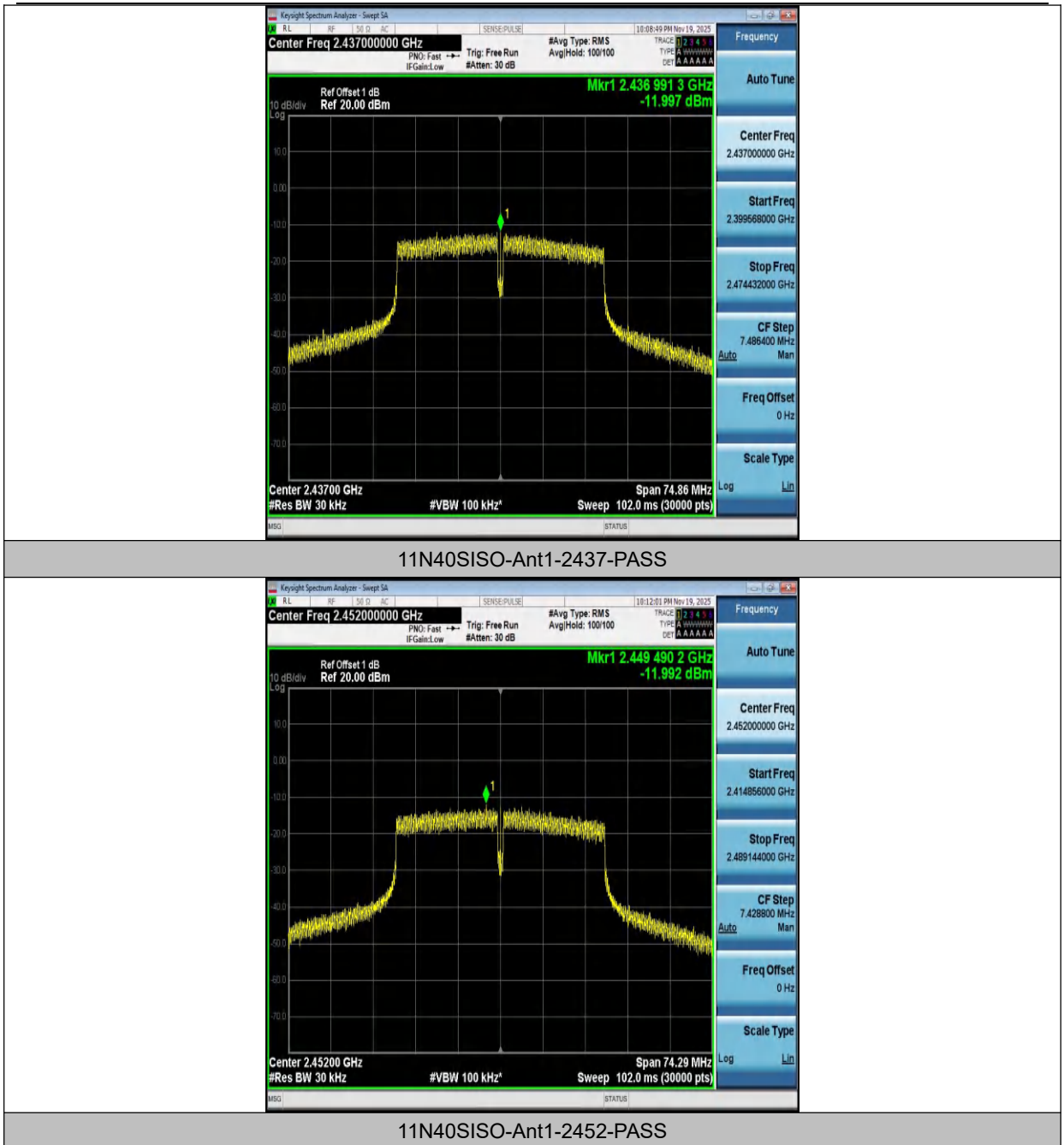
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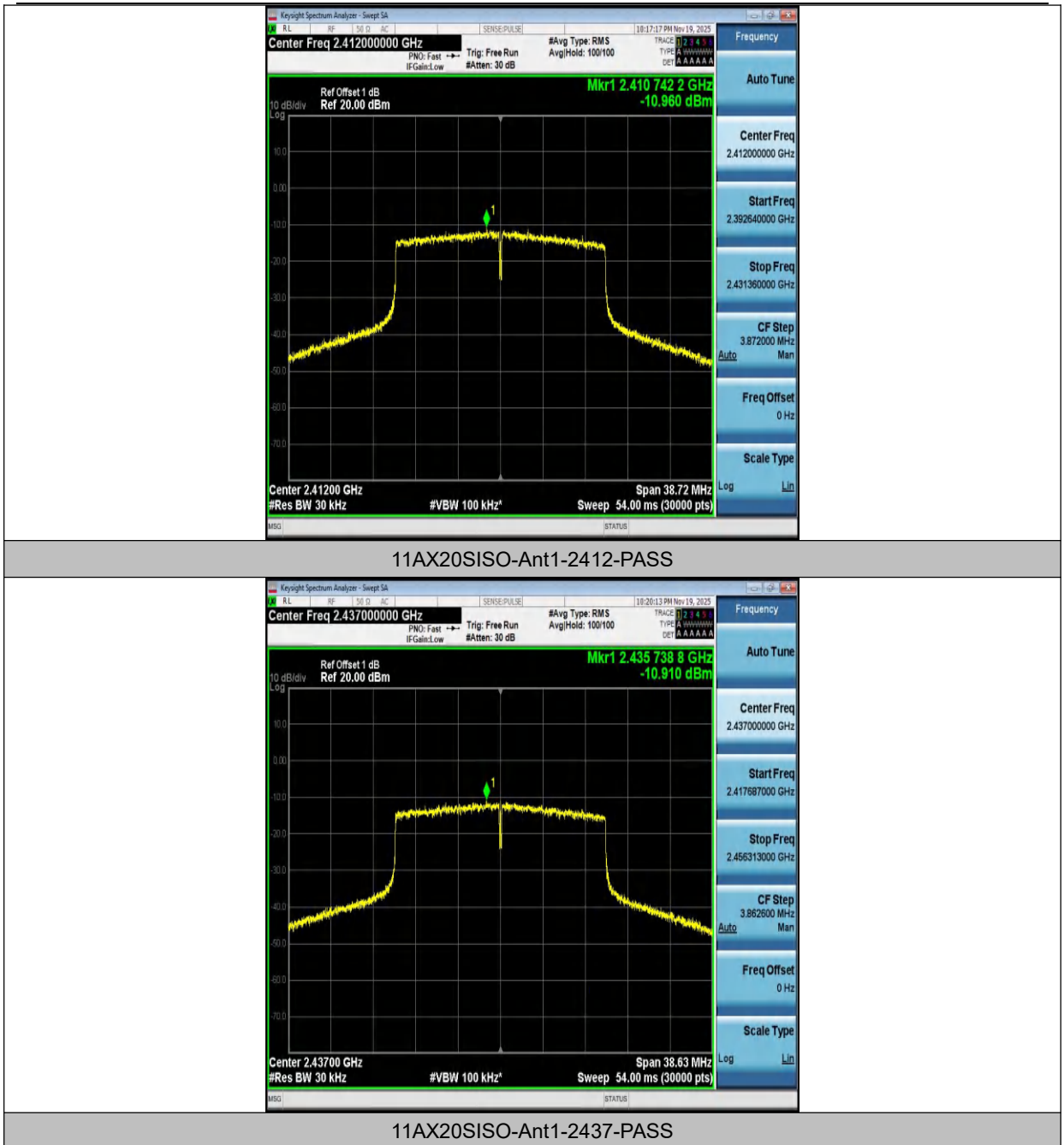
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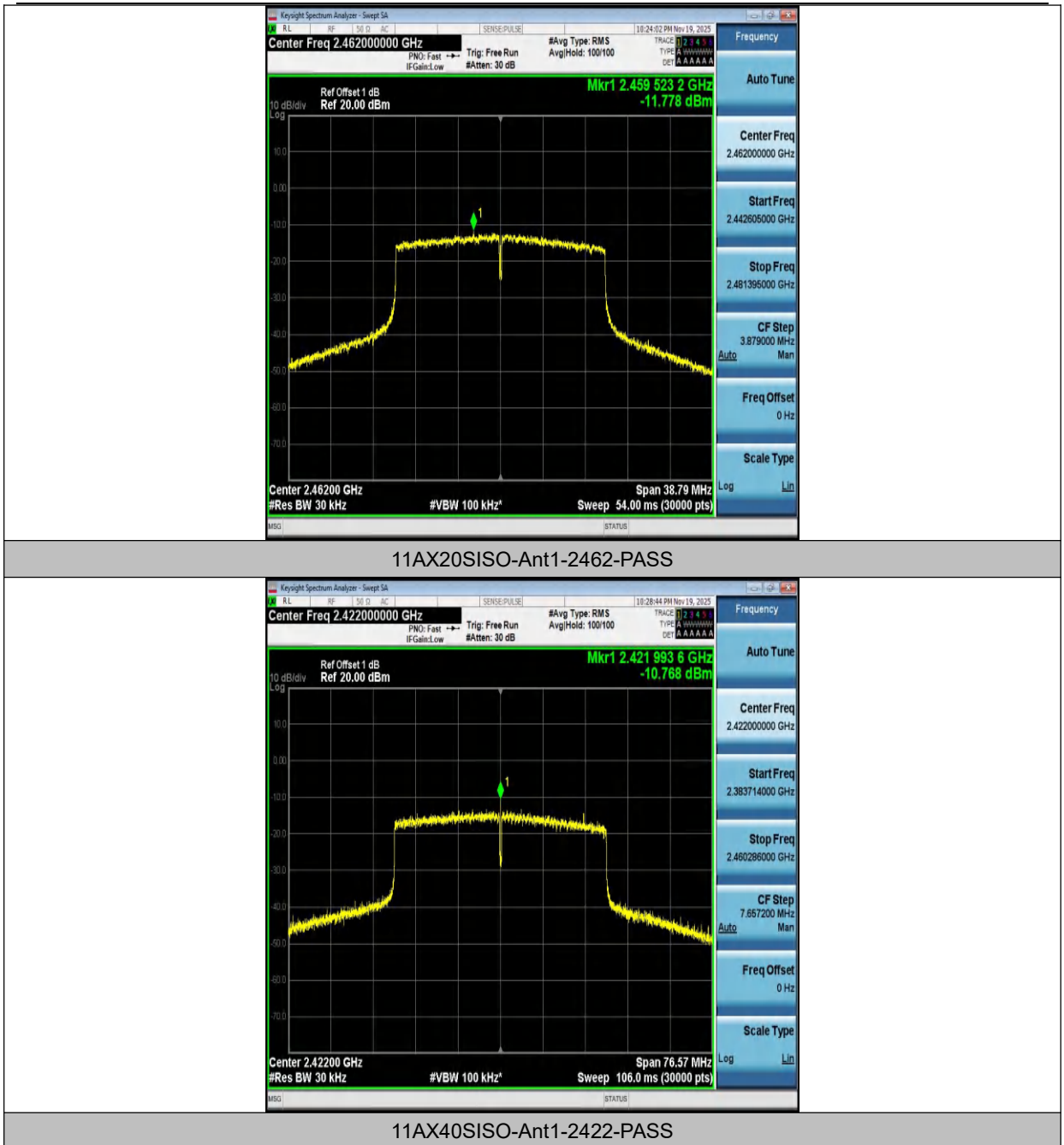
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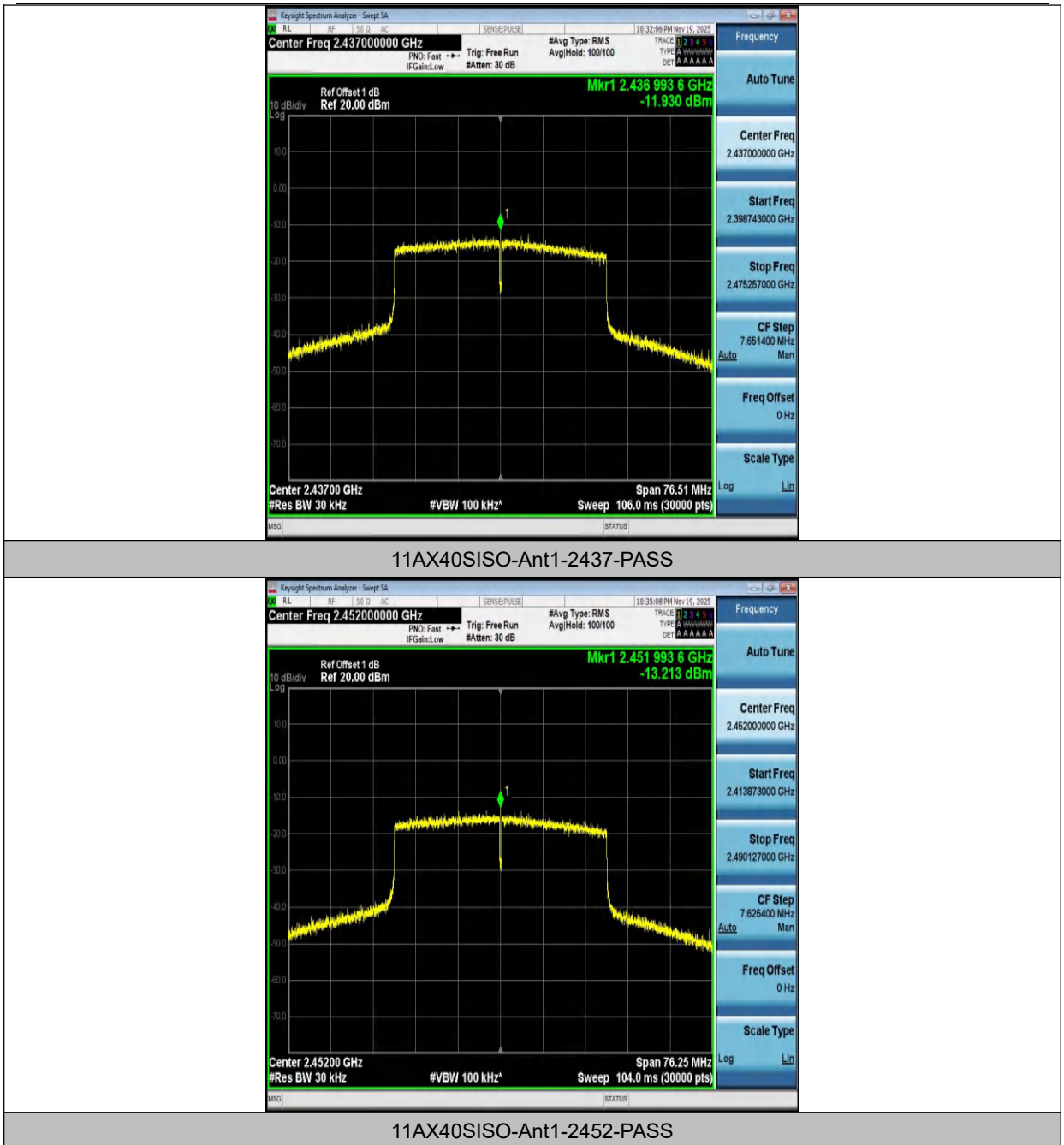
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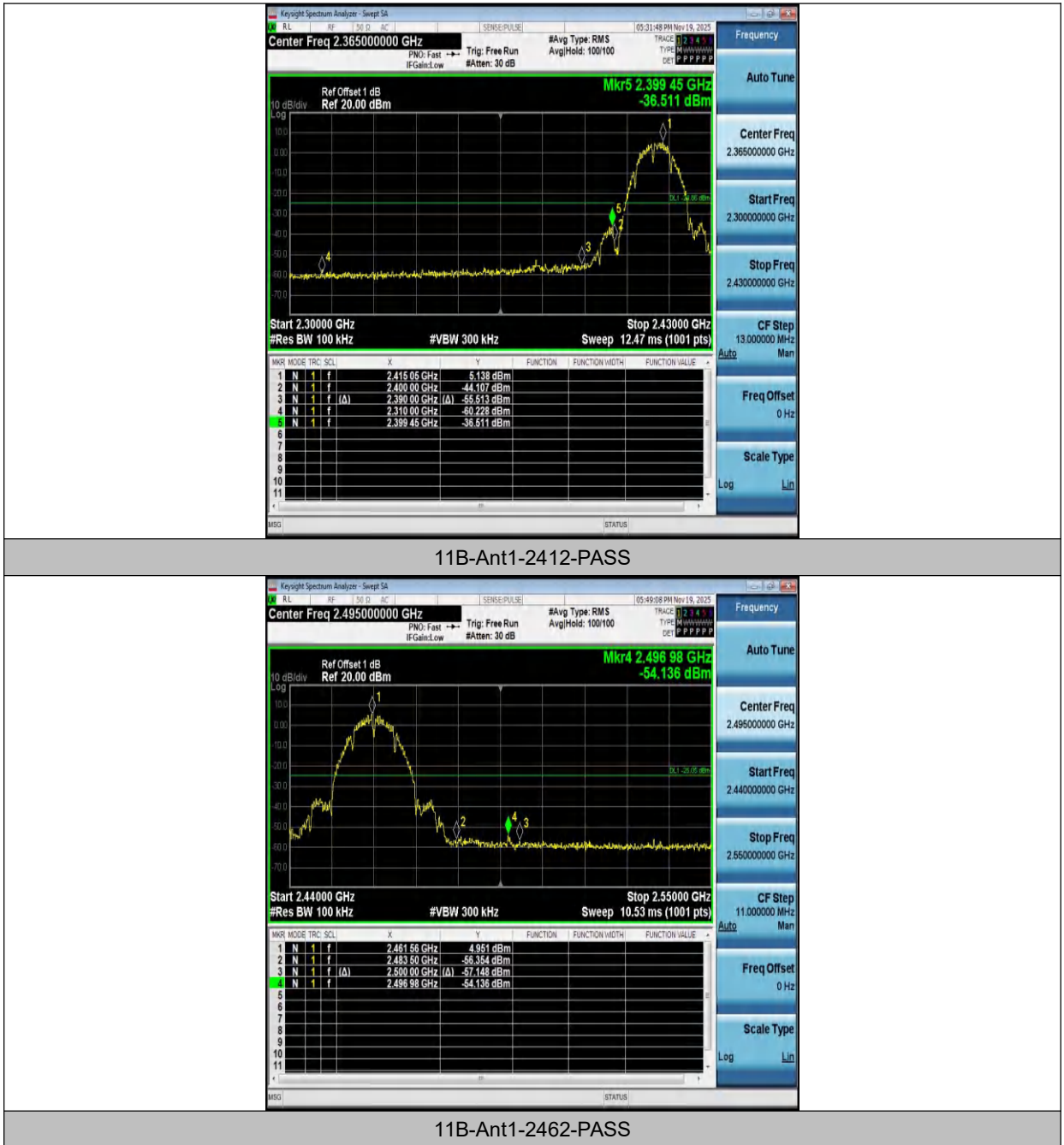
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.14	-36.51	≤-24.86	PASS
11B	Ant1	High	2462	4.95	-54.14	≤-25.05	PASS
11G	Ant1	Low	2412	-7.06	-49.72	≤-37.06	PASS
11G	Ant1	High	2462	-8.07	-55.59	≤-38.07	PASS
11N20SISO	Ant1	Low	2412	-7.37	-47.26	≤-37.37	PASS
11N20SISO	Ant1	High	2462	-8.35	-56.42	≤-38.35	PASS
11N40SISO	Ant1	Low	2422	-10.38	-48.52	≤-40.38	PASS
11N40SISO	Ant1	High	2452	-10.92	-55.82	≤-40.92	PASS
11AX20SISO	Ant1	Low	2412	-7.64	-50.51	≤-37.64	PASS
11AX20SISO	Ant1	High	2462	-8.67	-55.38	≤-38.67	PASS
11AX40SISO	Ant1	Low	2422	-10.60	-50.51	≤-40.6	PASS
11AX40SISO	Ant1	High	2452	-11.09	-52.41	≤-41.09	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

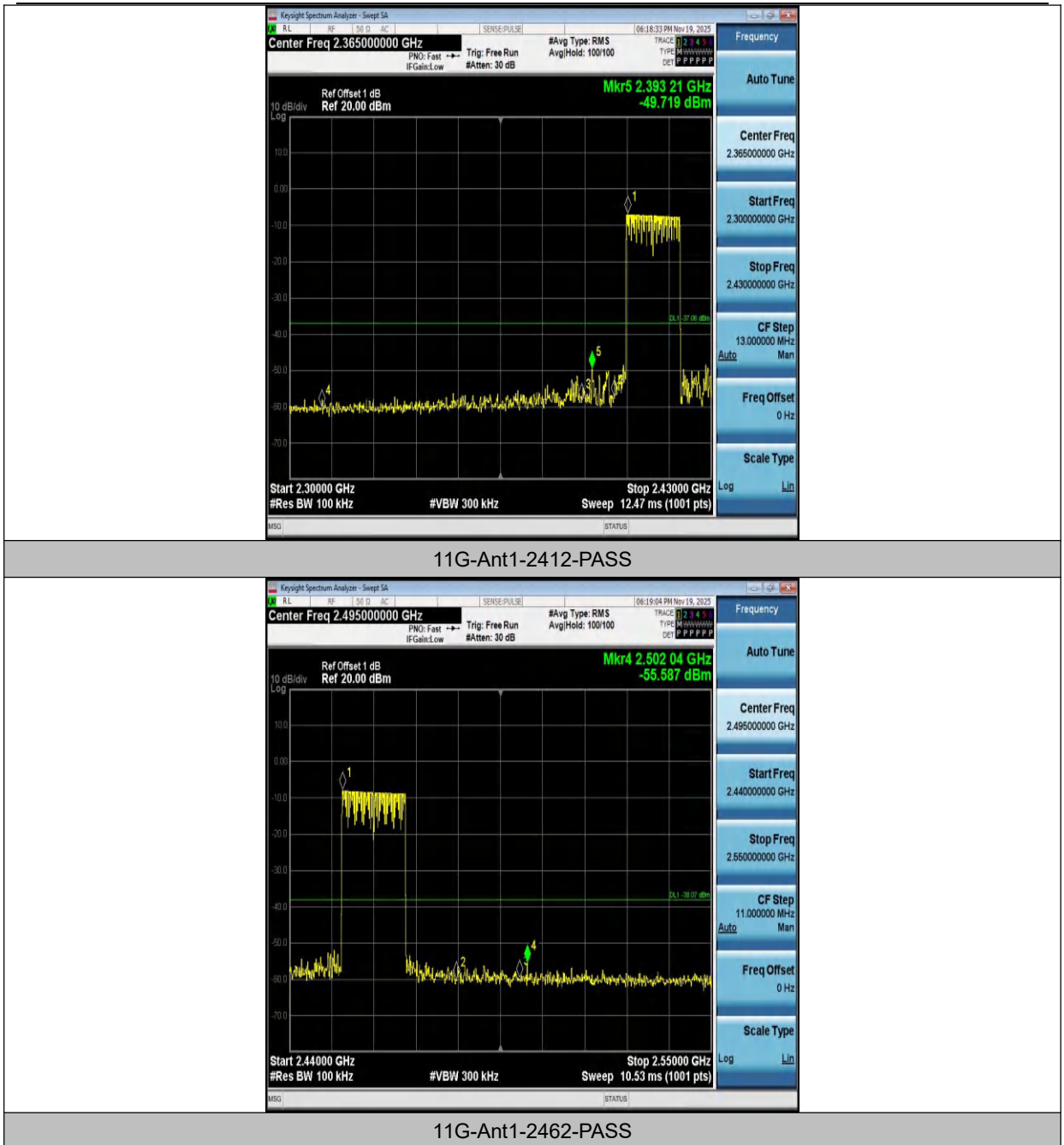
Test Graphs



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