

Appendix Test Data

Report No.:	1818C50047812502	Test Sample No.:	1-2-2
Start Test Date:	2025.04.29	Finish Test Date:	2025.05.29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.8°C	Relative Humidity:	43%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

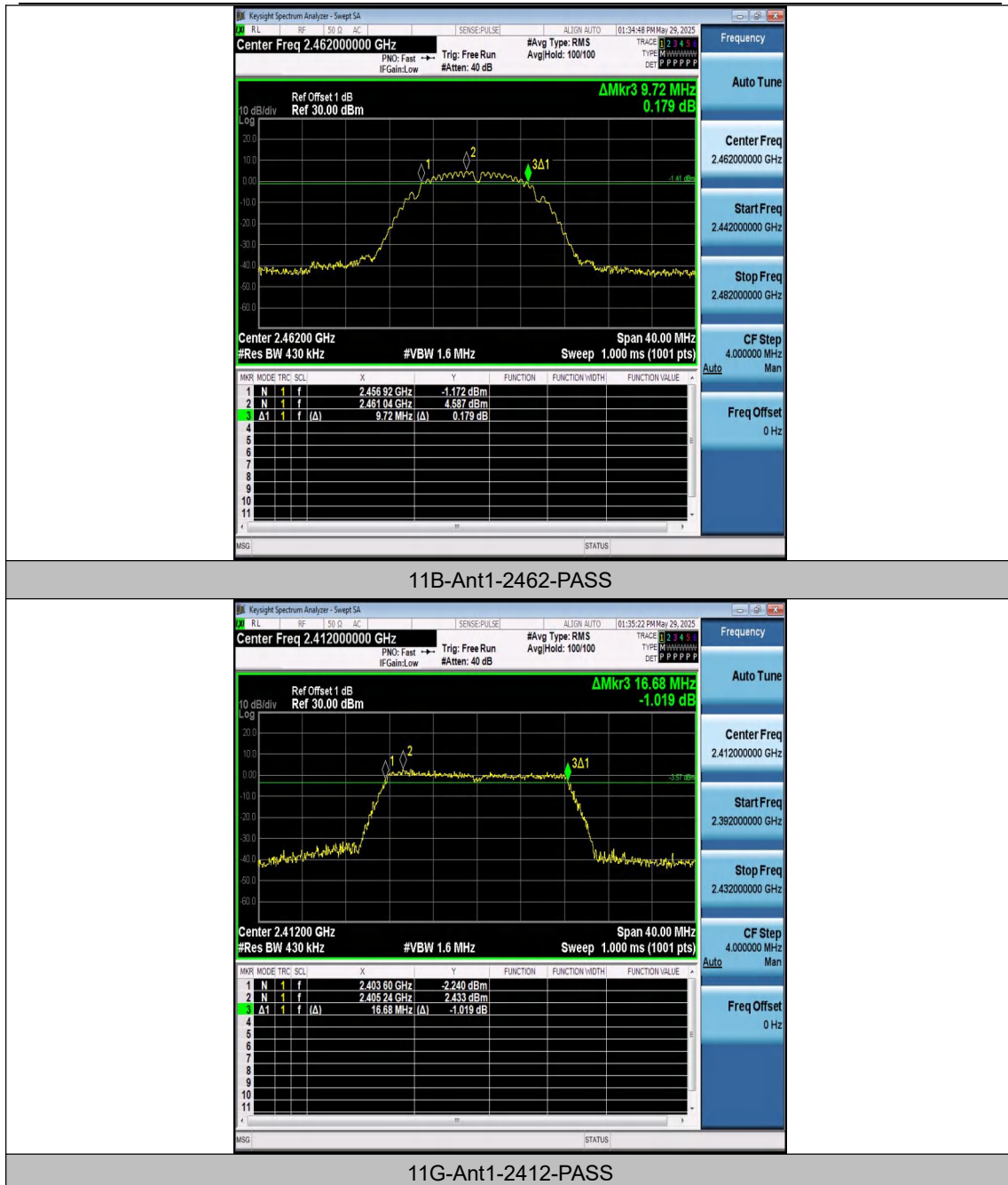
Test Result

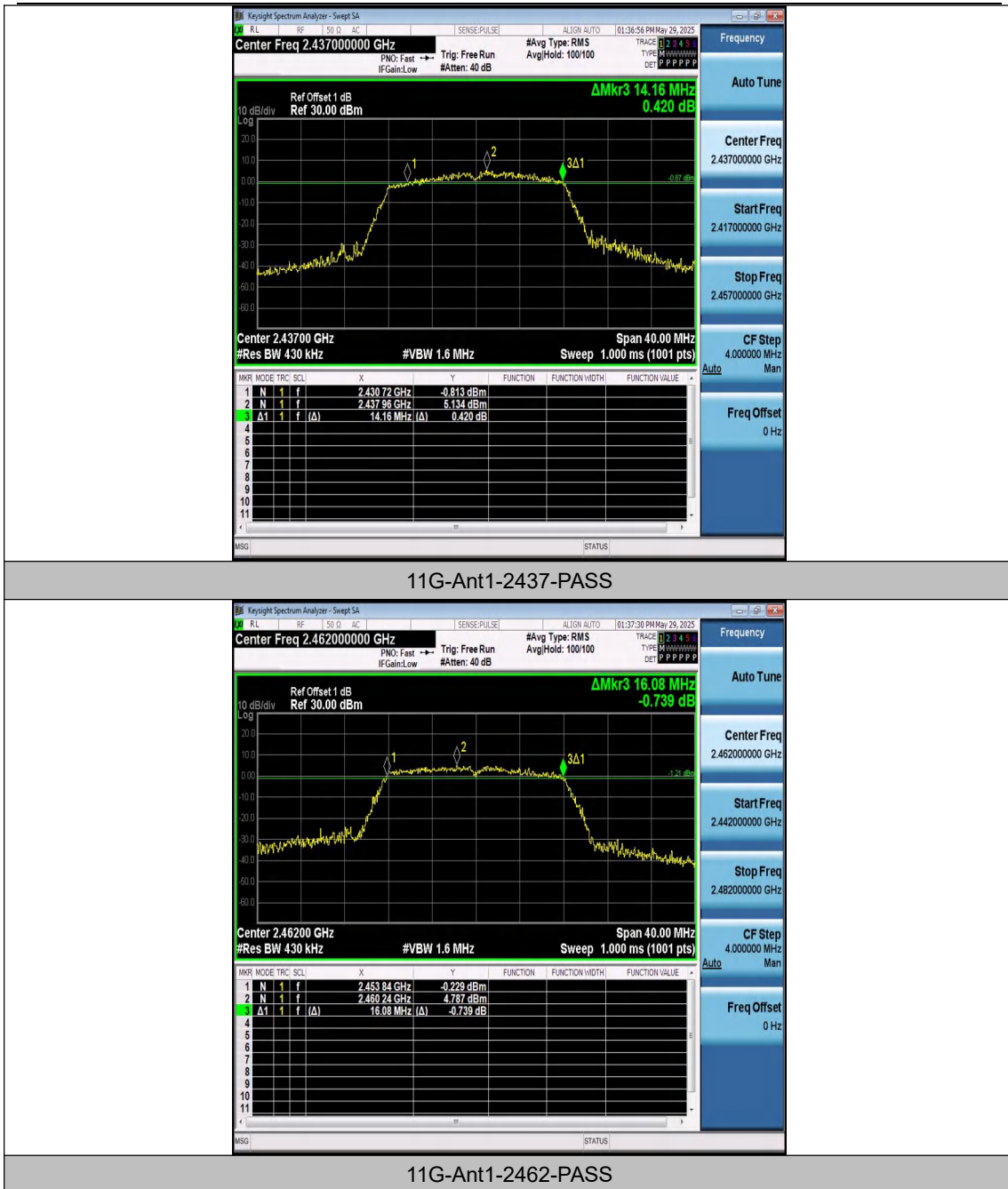
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.320	2406.840	2417.160	0.5	PASS
11B	Ant1	2437	9.160	2432.880	2442.040	0.5	PASS
11B	Ant1	2462	9.720	2456.920	2466.640	0.5	PASS
11G	Ant1	2412	16.680	2403.600	2420.280	0.5	PASS
11G	Ant1	2437	14.160	2430.720	2444.880	0.5	PASS
11G	Ant1	2462	16.080	2453.840	2469.920	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.080	2420.840	0.5	PASS
11N20SISO	Ant1	2437	15.760	2429.840	2445.600	0.5	PASS
11N20SISO	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.400	2439.440	0.5	PASS
11N40SISO	Ant1	2437	35.520	2419.320	2454.840	0.5	PASS
11N40SISO	Ant1	2452	35.280	2434.320	2469.600	0.5	PASS

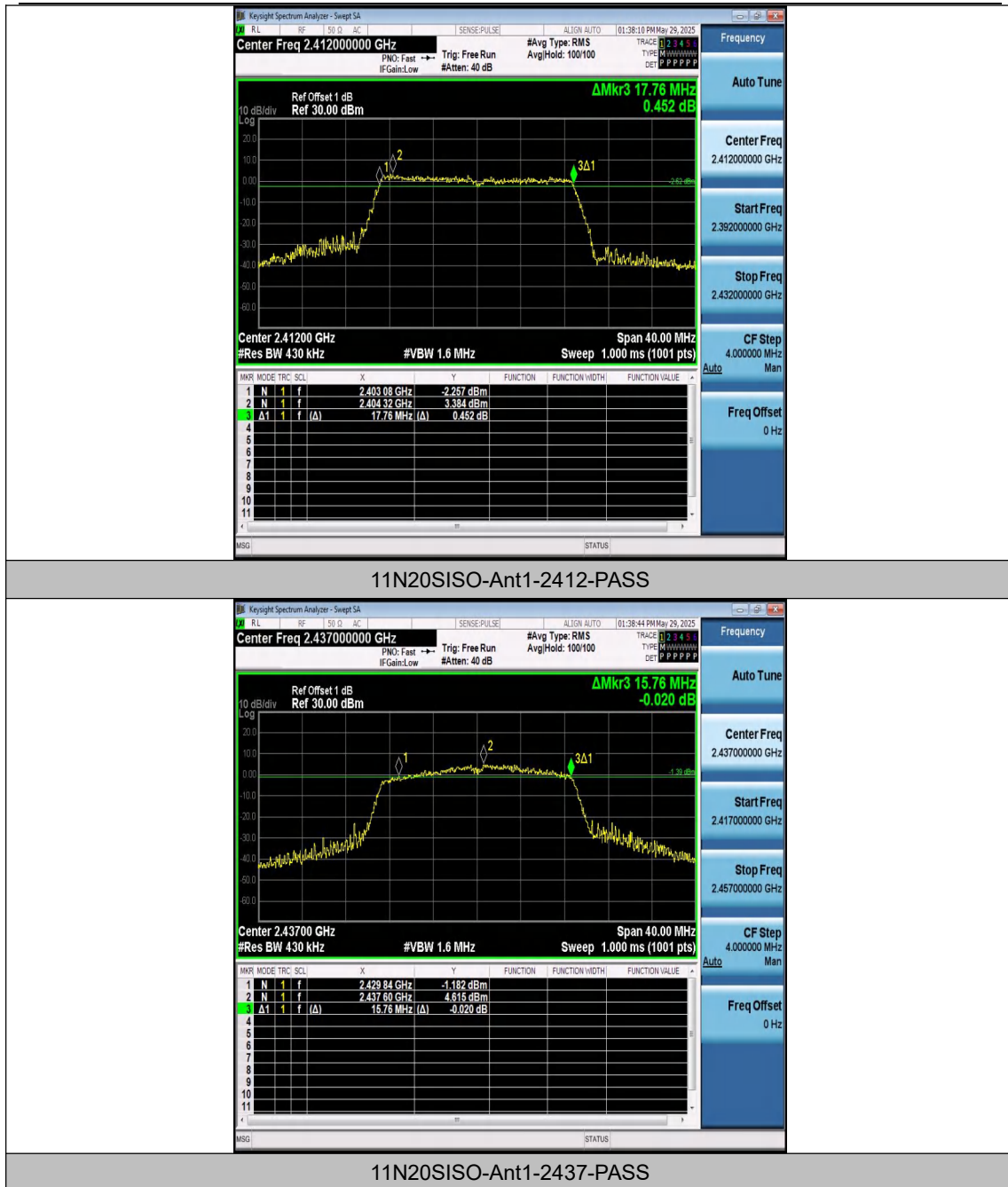


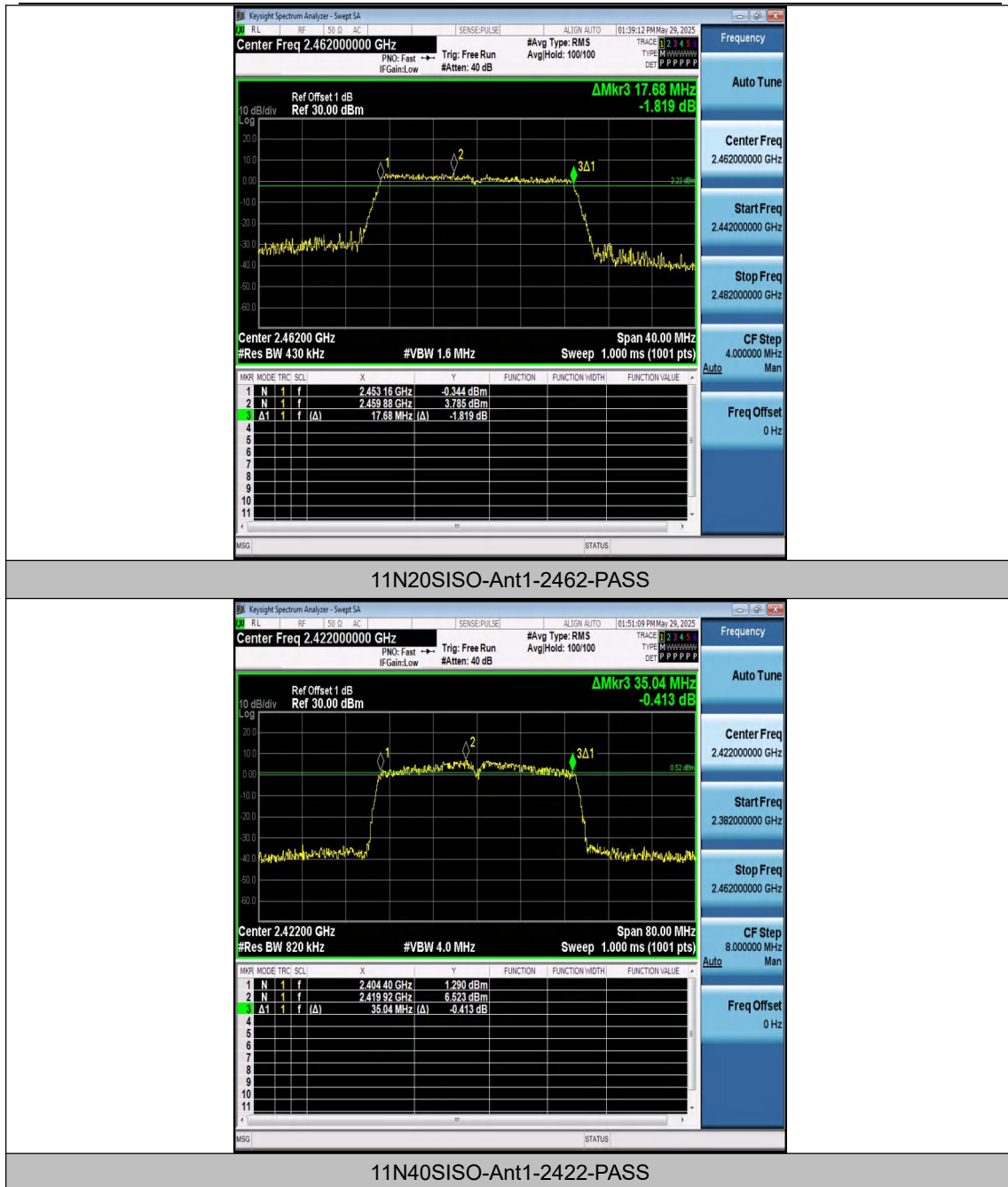
Test Graphs

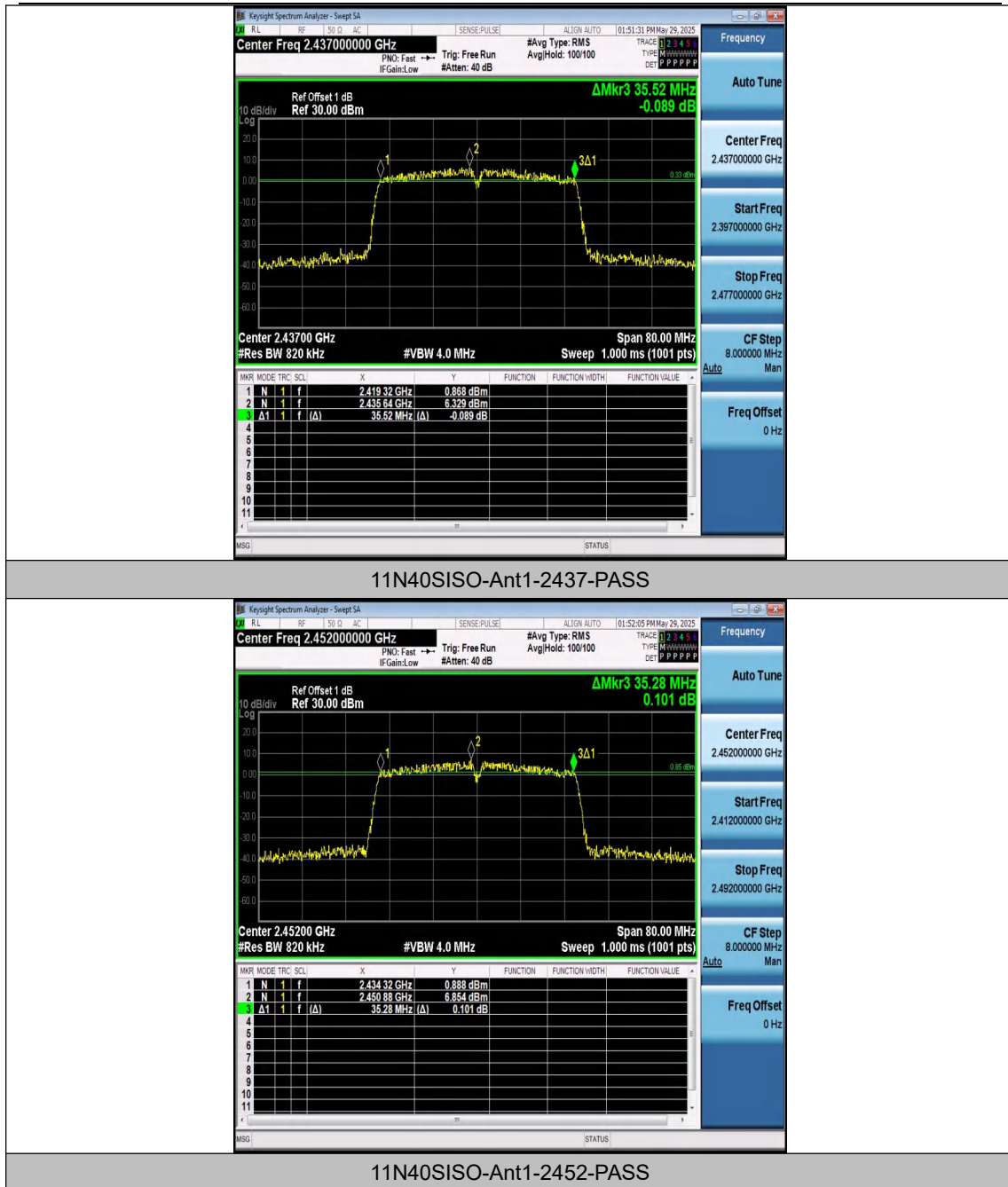












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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.639	2404.5232	2419.1622	---	---
11B	Ant1	2437	11.999	2431.2031	2443.2021	---	---
11B	Ant1	2462	12.440	2455.6849	2468.1249	---	---
11G	Ant1	2412	17.241	2403.3317	2420.5727	---	---
11G	Ant1	2437	16.567	2428.8428	2445.4098	---	---
11G	Ant1	2462	16.964	2453.3969	2470.3609	---	---
11N20SISO	Ant1	2412	18.141	2402.8778	2421.0188	---	---
11N20SISO	Ant1	2437	17.502	2428.3512	2445.8532	---	---
11N20SISO	Ant1	2462	18.042	2452.9252	2470.9672	---	---
11N40SISO	Ant1	2422	35.854	2404.1231	2439.9771	---	---
11N40SISO	Ant1	2437	35.651	2419.2213	2454.8723	---	---
11N40SISO	Ant1	2452	35.720	2434.2156	2469.9356	---	---



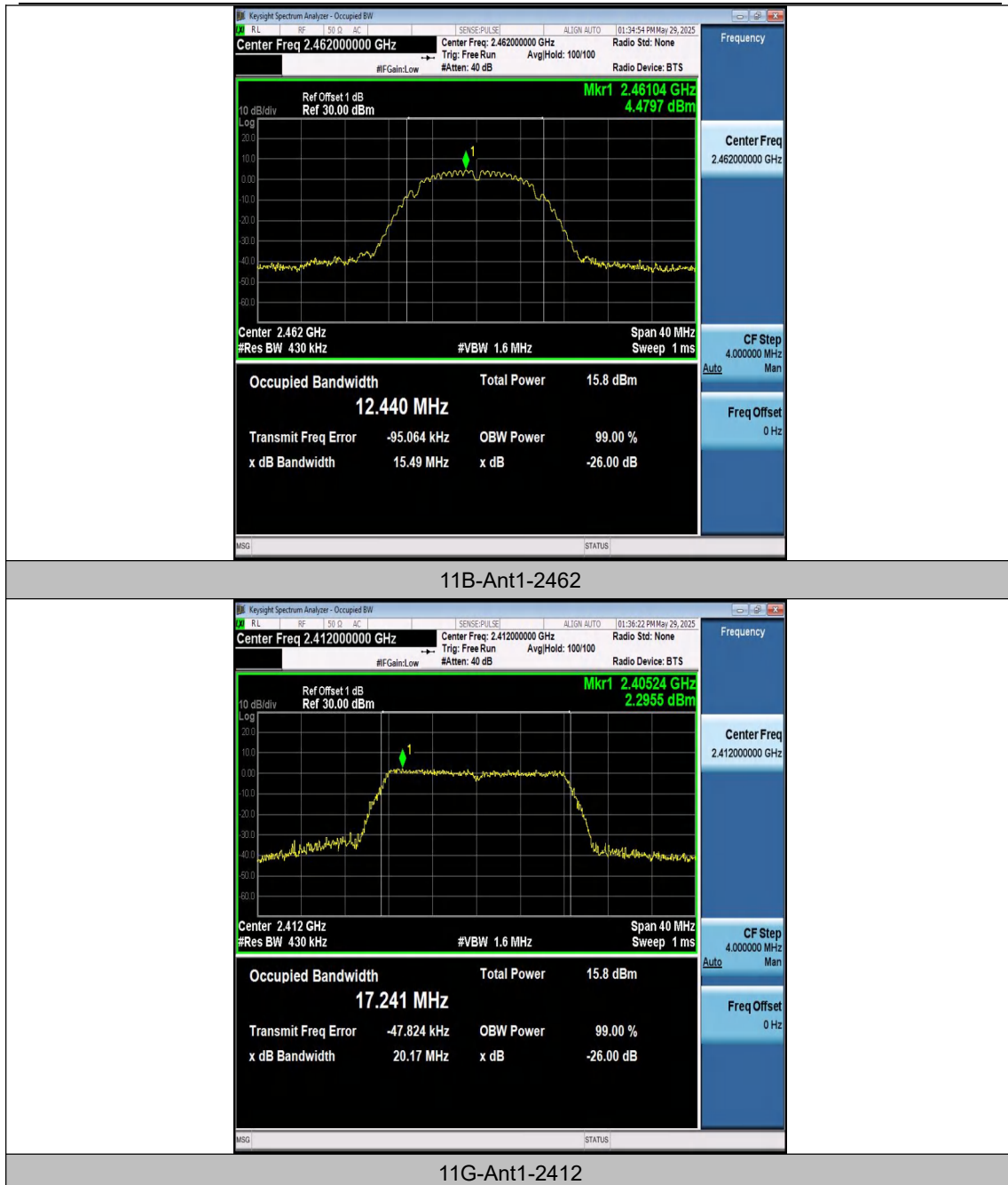
Test Graphs

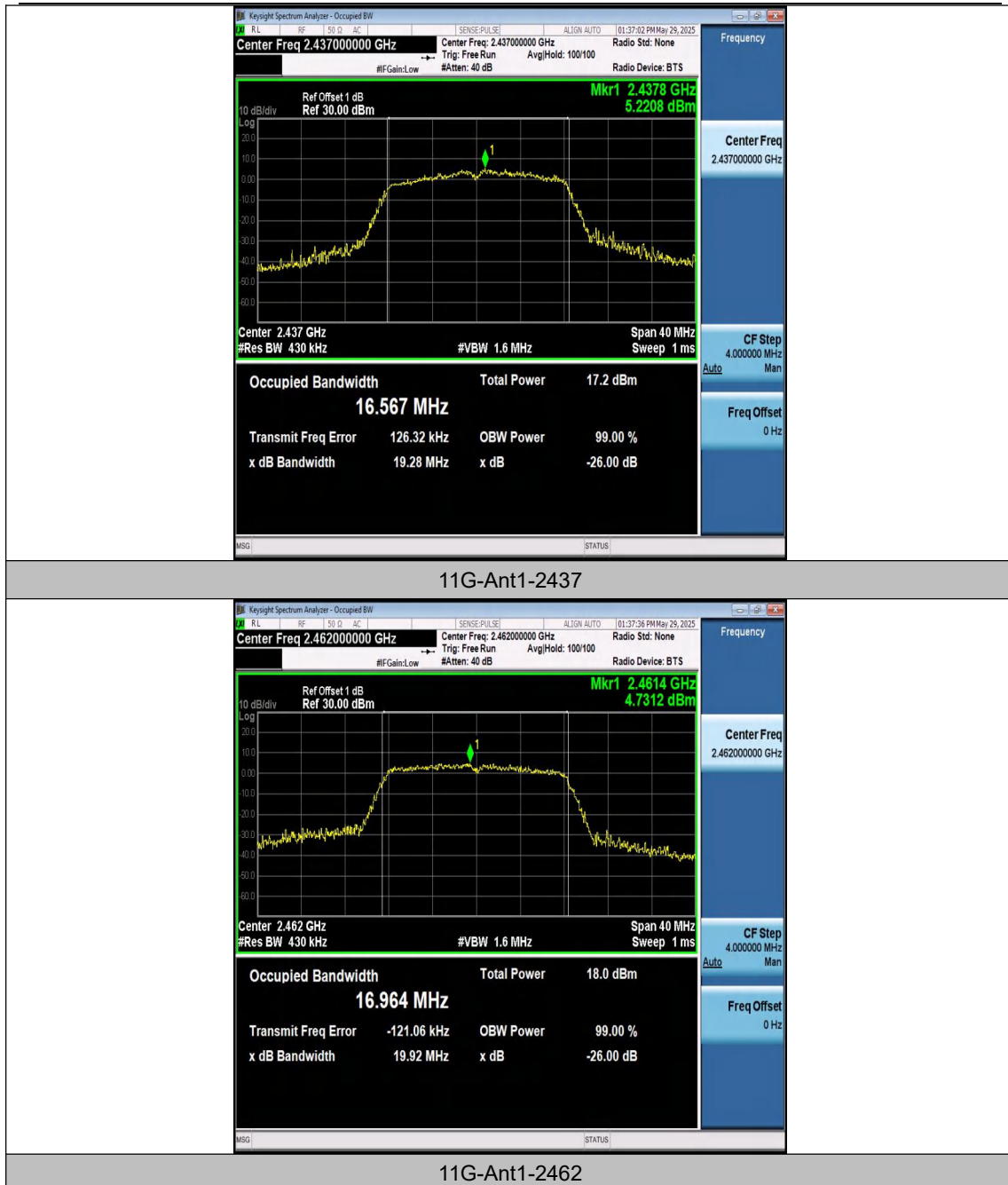


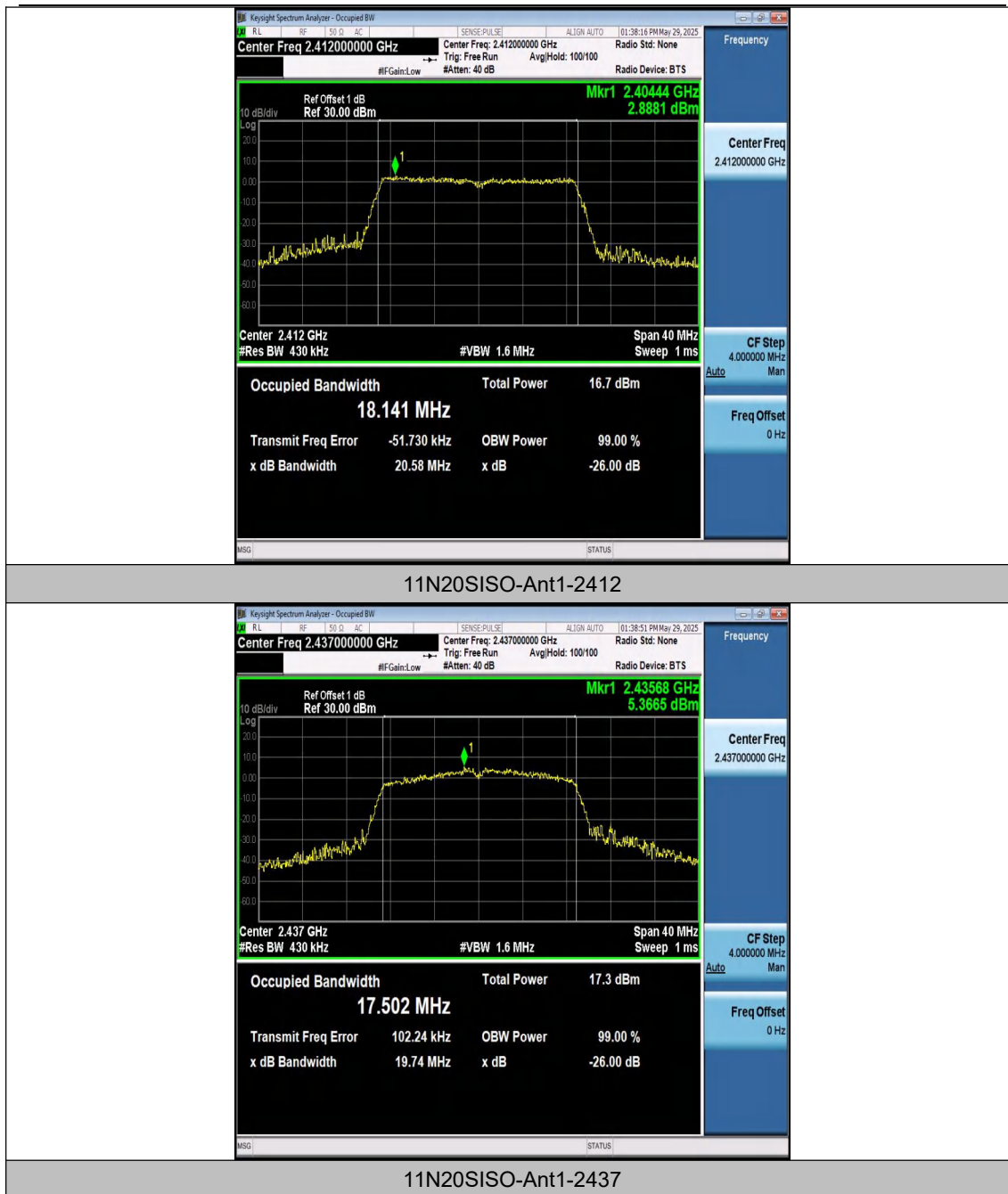
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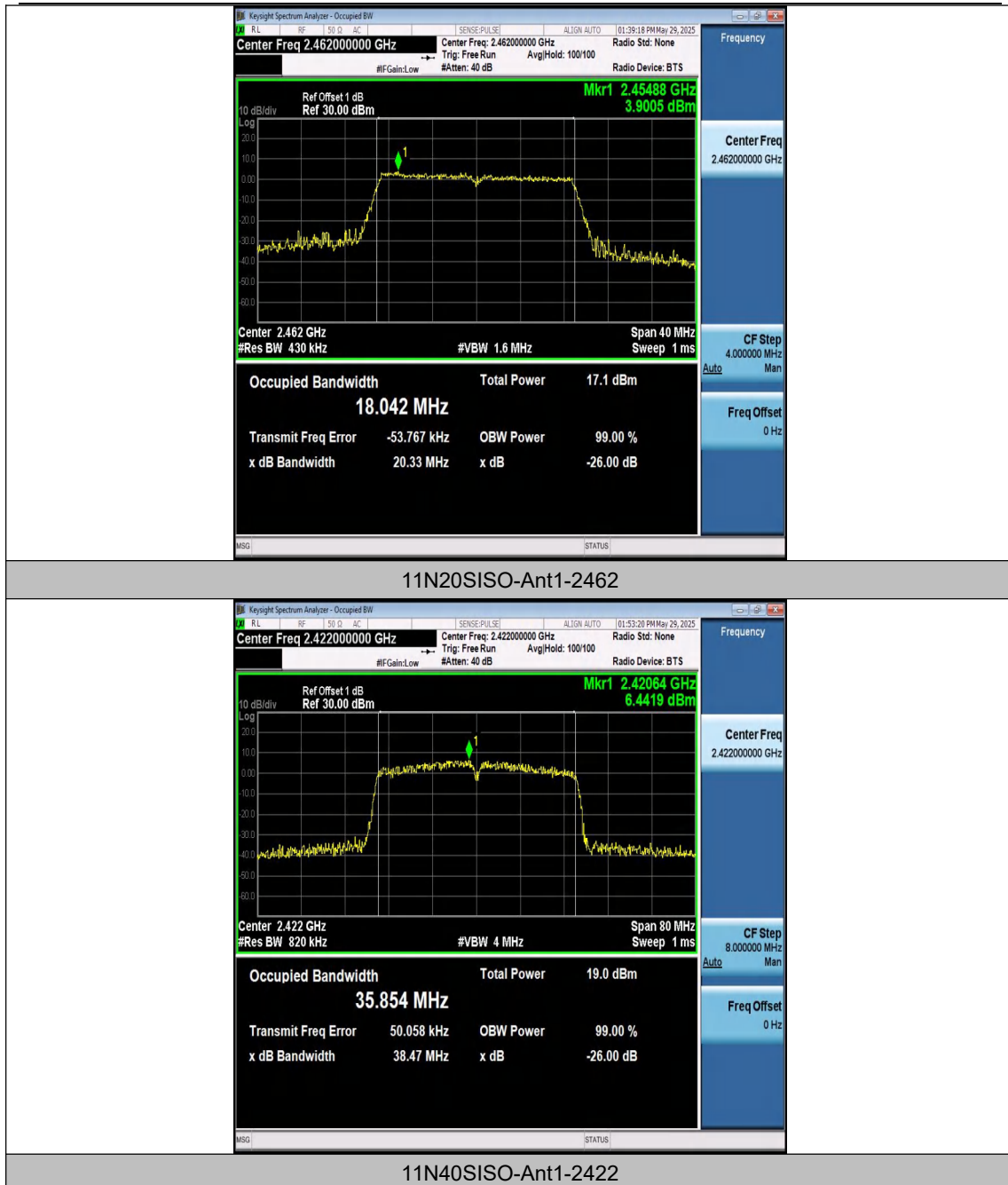
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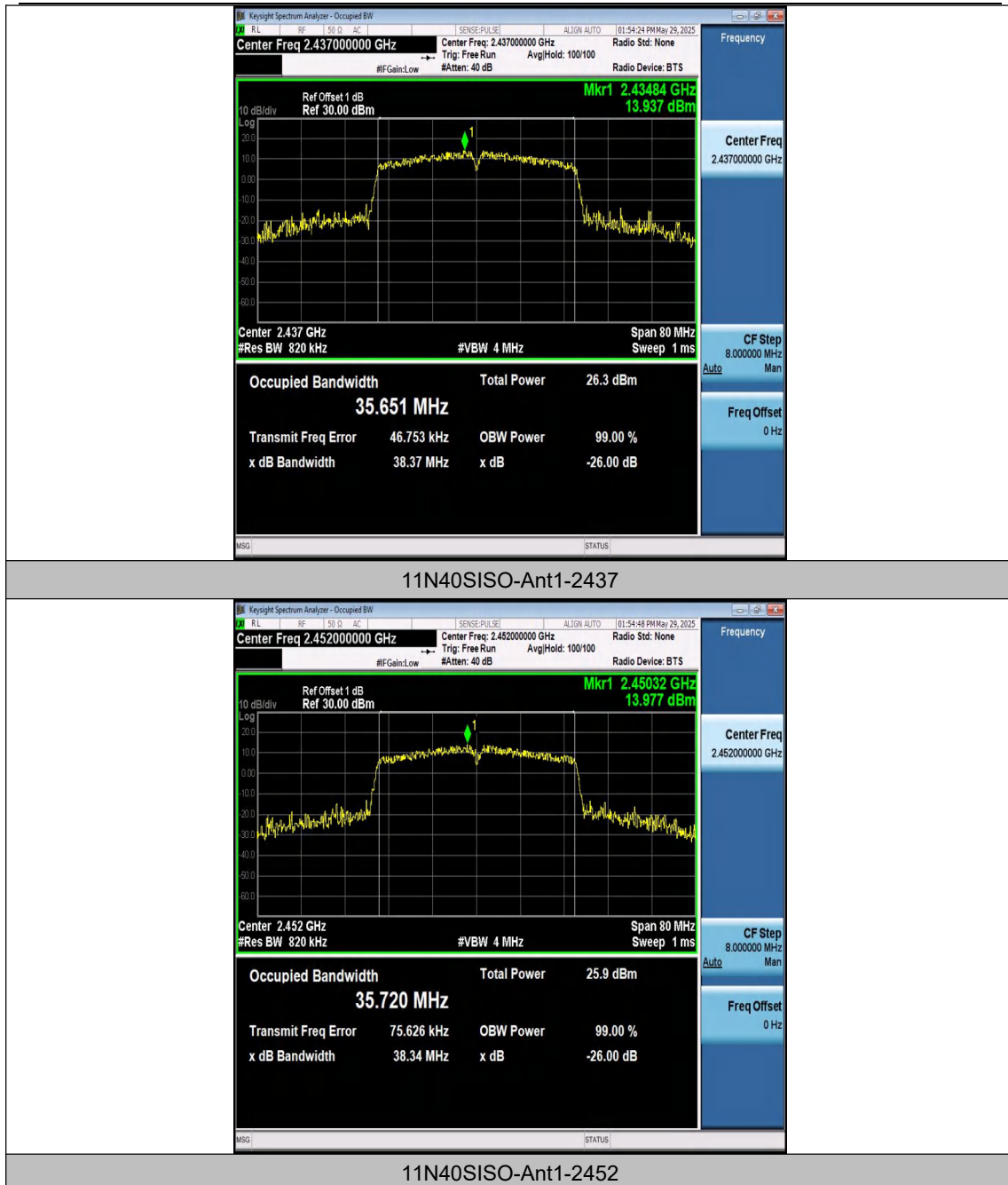
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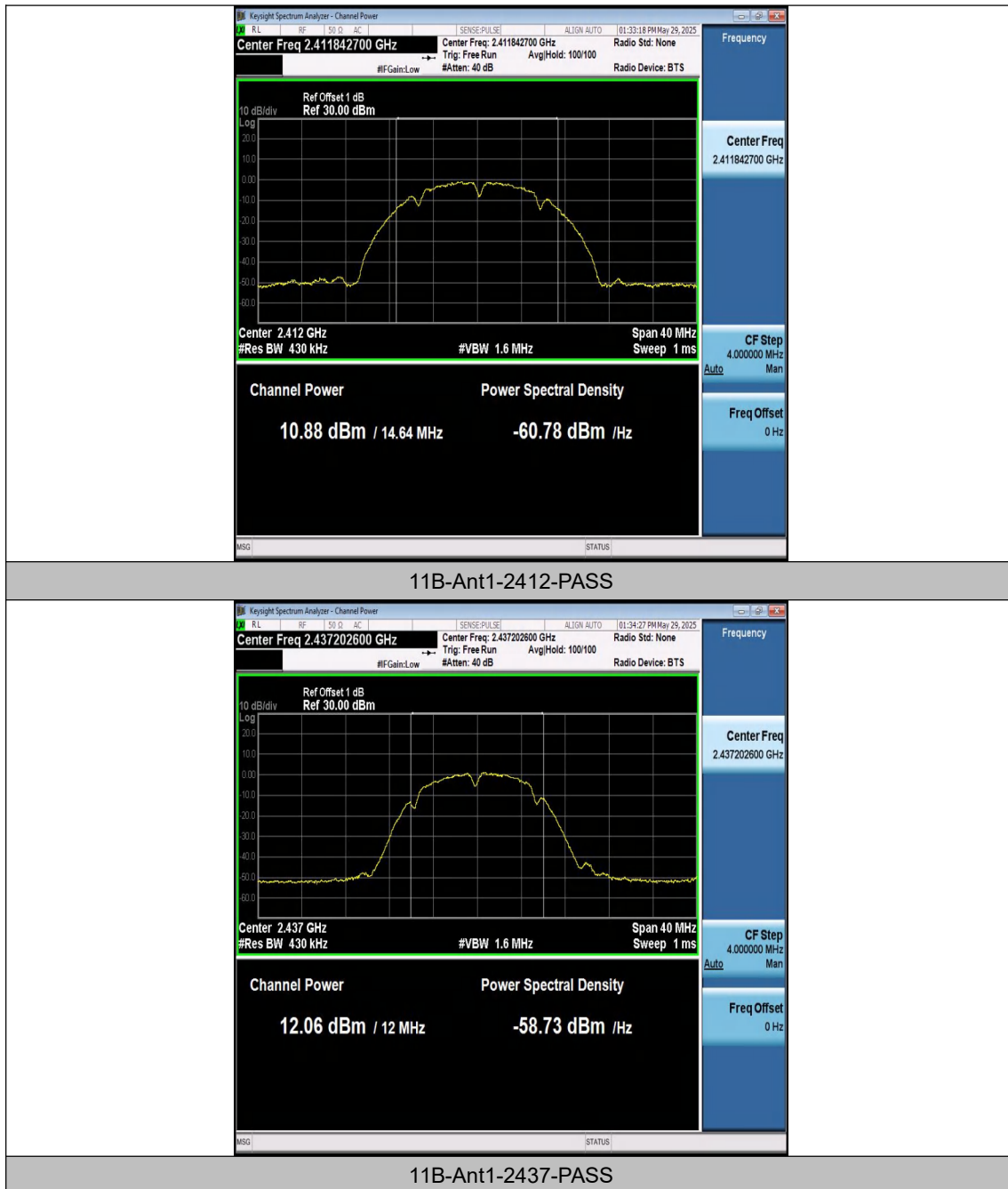
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.60	100.00	0.00	12.60	≤30.0 0	PASS
11B	Ant1	2437	12.06	100.00	0.00	12.06	≤30.0 0	PASS
11B	Ant1	2462	13.13	100.00	0.00	13.13	≤30.0 0	PASS
11G	Ant1	2412	11.21	100.00	0.00	11.21	≤30.0 0	PASS
11G	Ant1	2437	10.99	100.00	0.00	10.99	≤30.0 0	PASS
11G	Ant1	2462	11.79	100.00	0.00	11.79	≤30.0 0	PASS
11N20SI SO	Ant1	2412	10.48	100.00	0.00	10.48	≤30.0 0	PASS
11N20SI SO	Ant1	2437	11.04	100.00	0.00	11.04	≤30.0 0	PASS
11N20SI SO	Ant1	2462	10.99	100.00	0.00	10.99	≤30.0 0	PASS
11N40SI SO	Ant1	2422	11.16	100.00	0.00	11.16	≤30.0 0	PASS
11N40SI SO	Ant1	2437	10.78	100.00	0.00	10.78	≤30.0 0	PASS
11N40SI SO	Ant1	2452	10.66	100.00	0.00	10.66	≤30.0 0	PASS

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

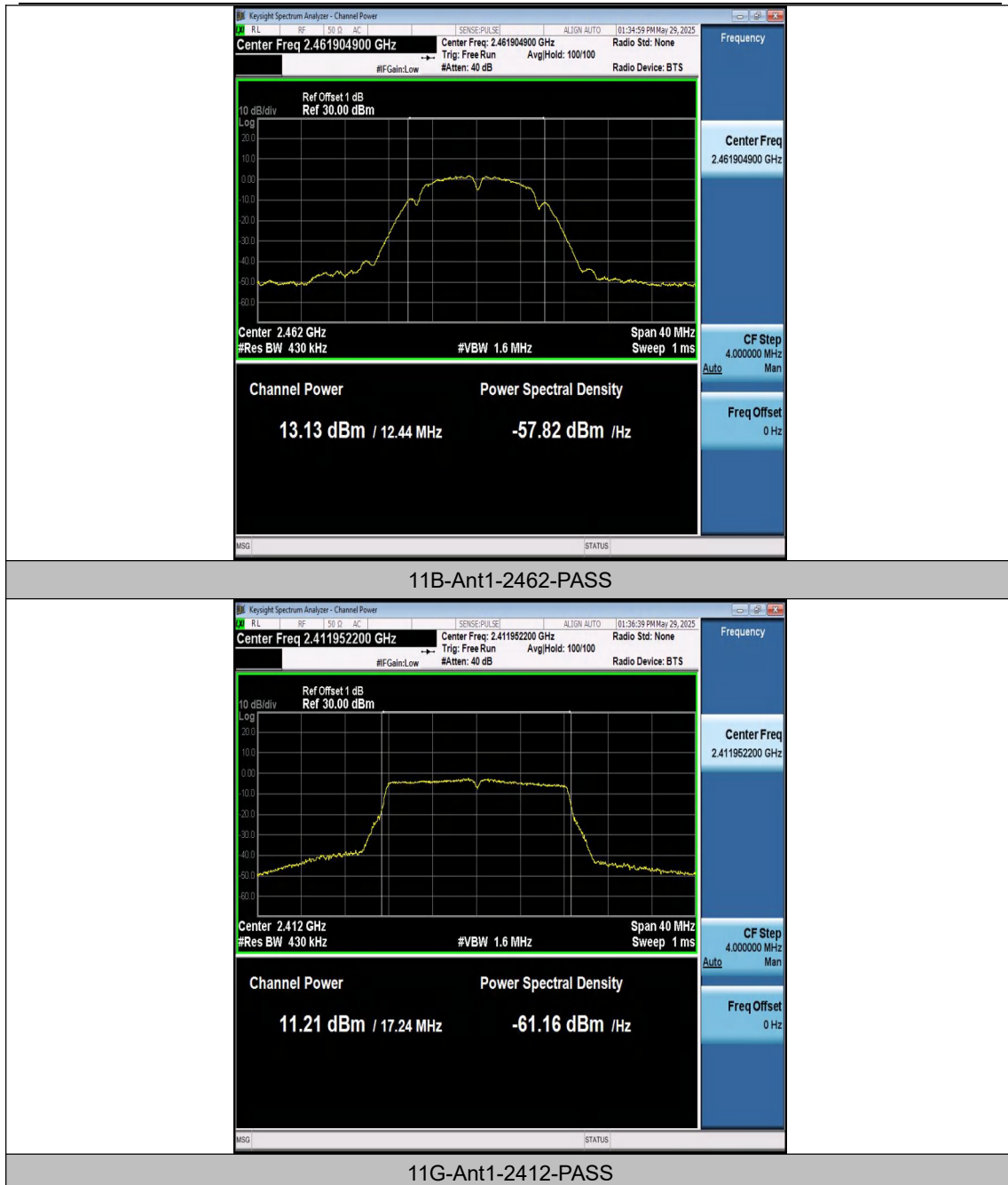
Test Graphs Average

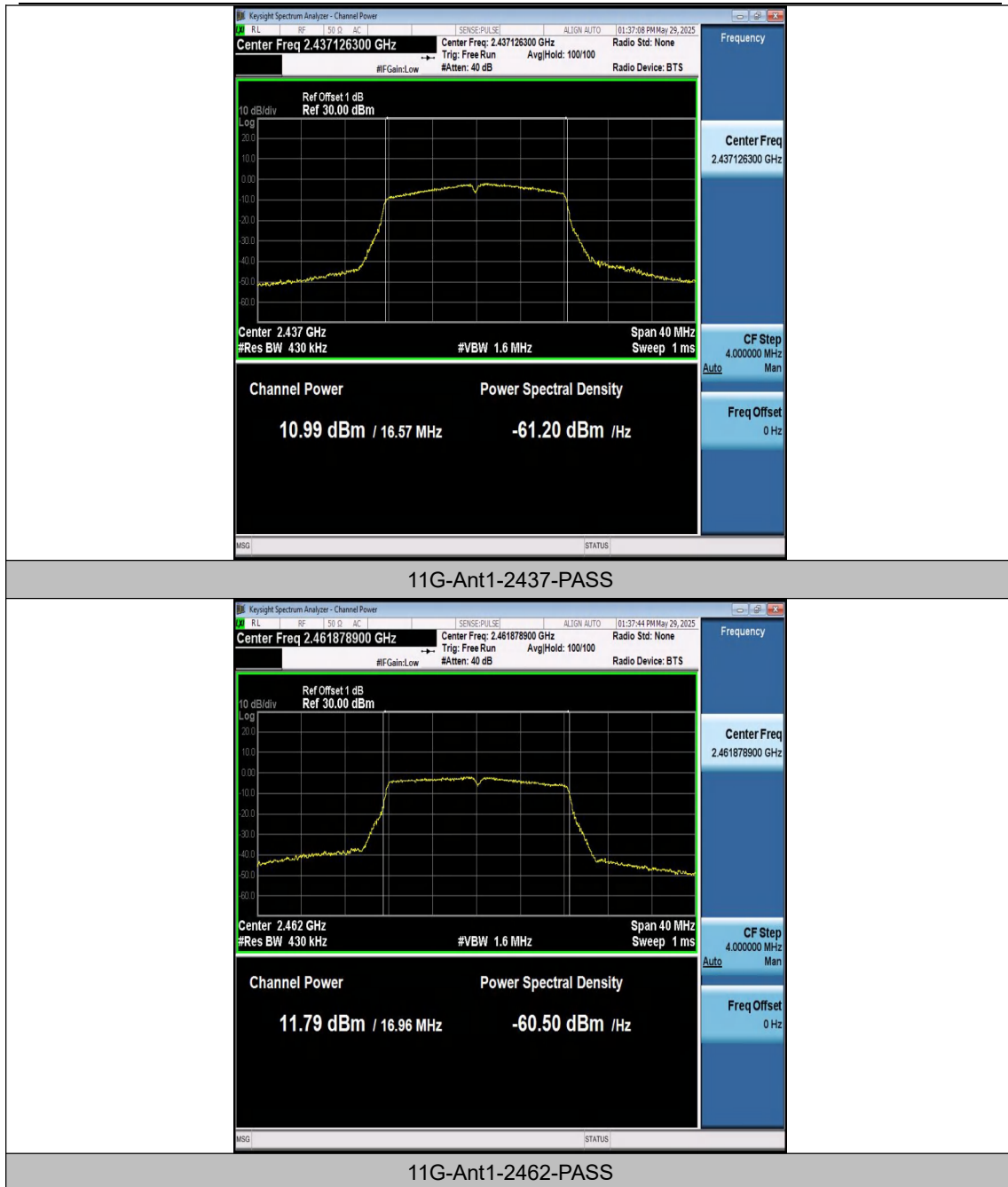


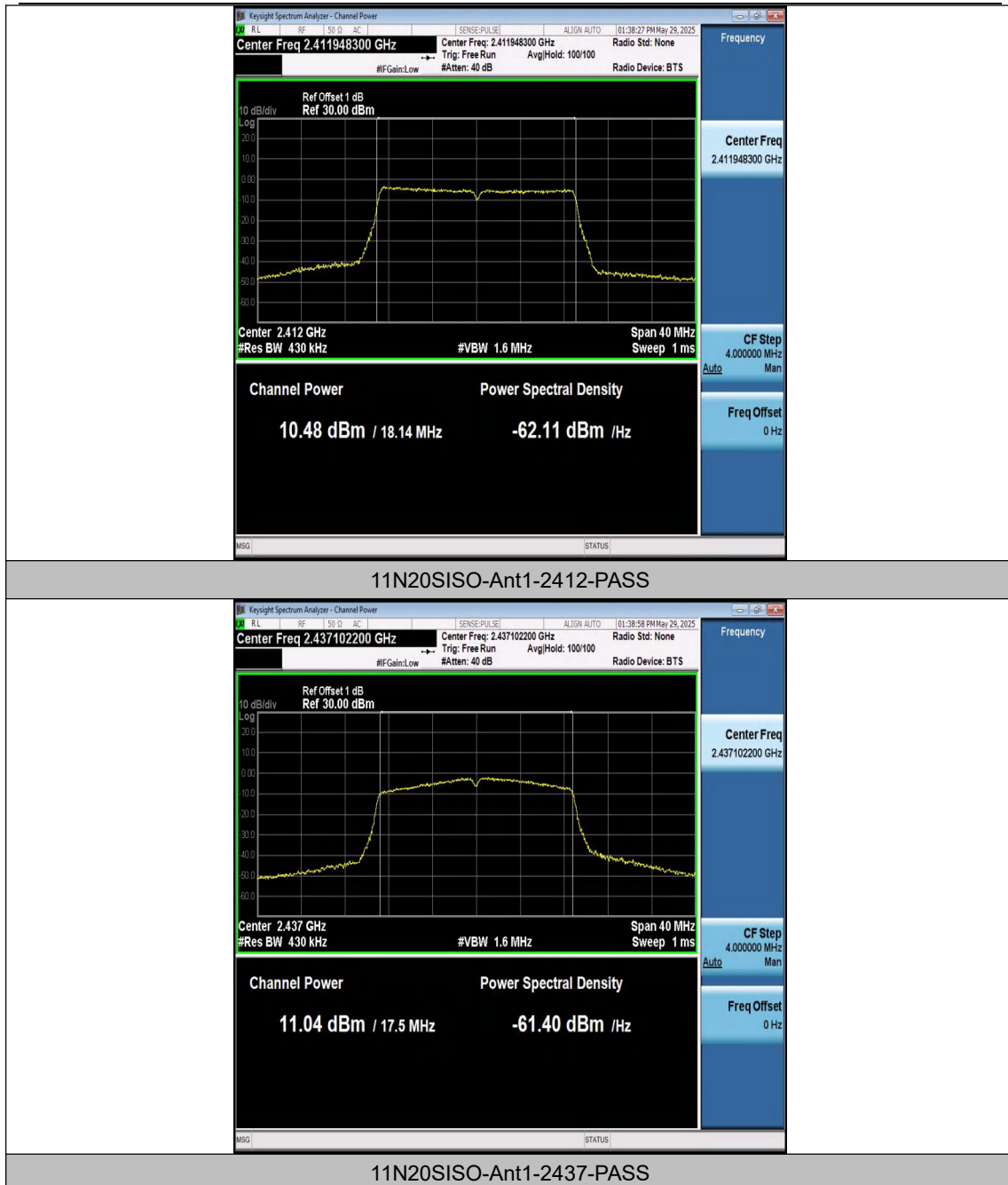
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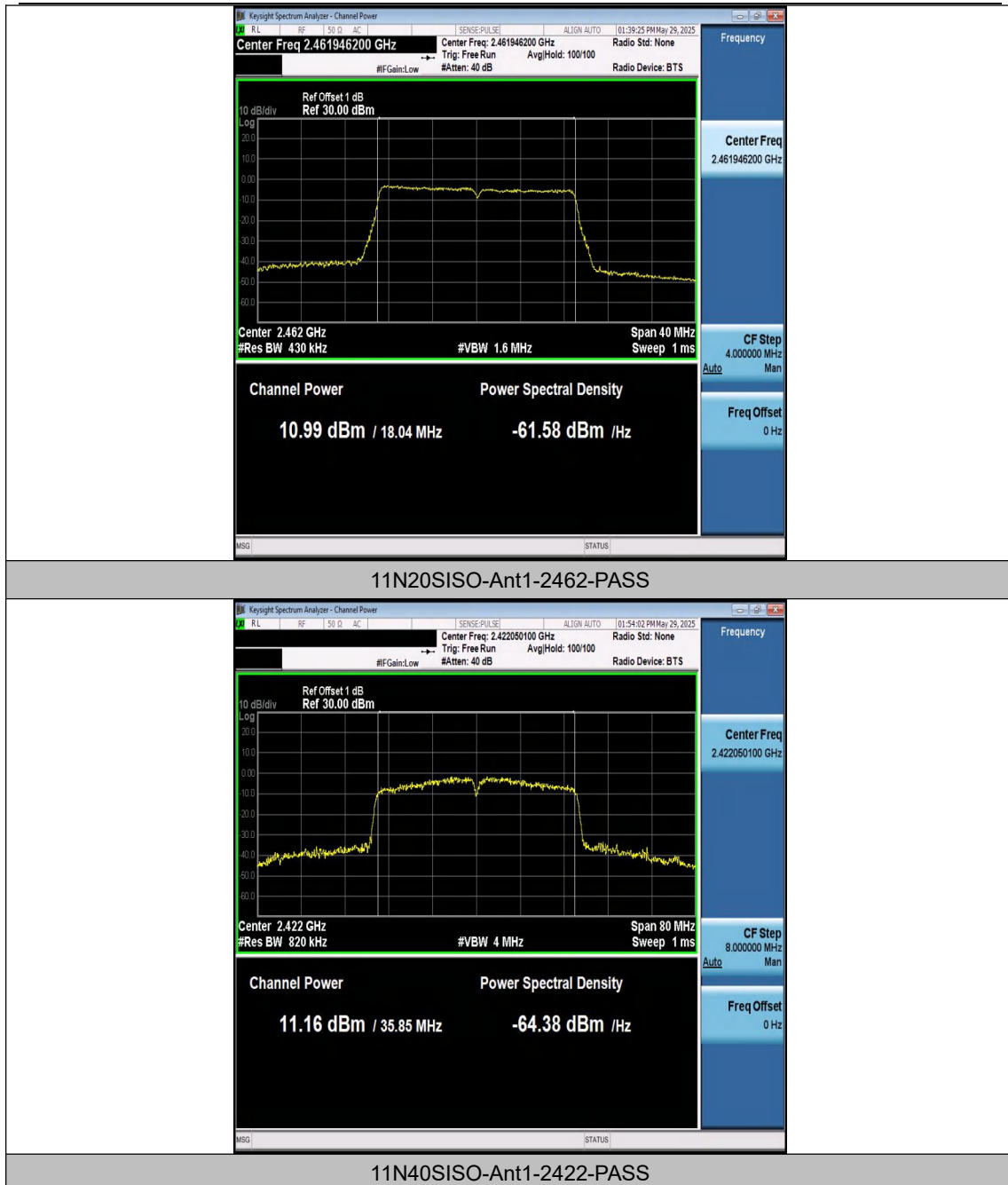
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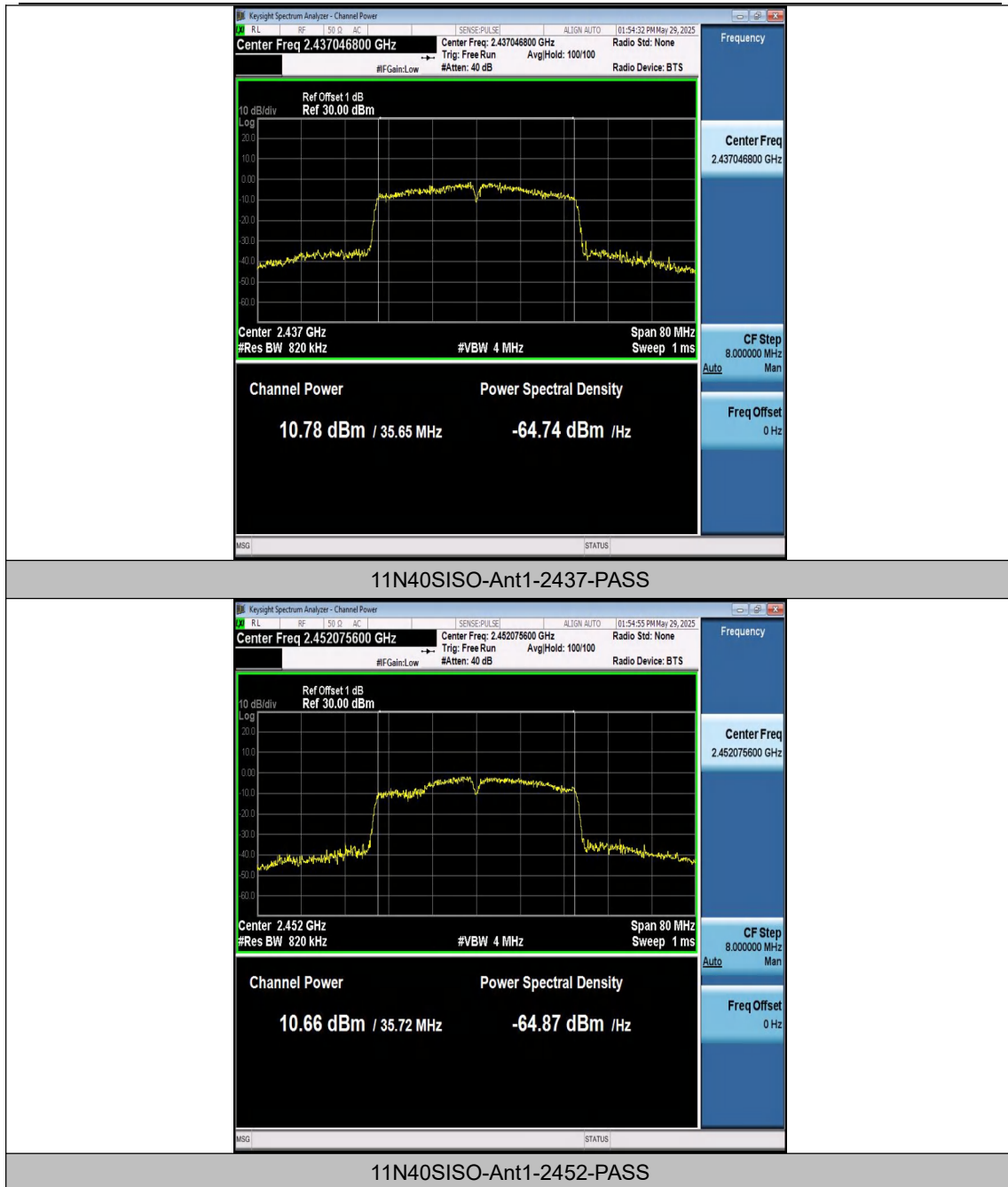
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Appendix D: Maximum power spectral density

Test Result

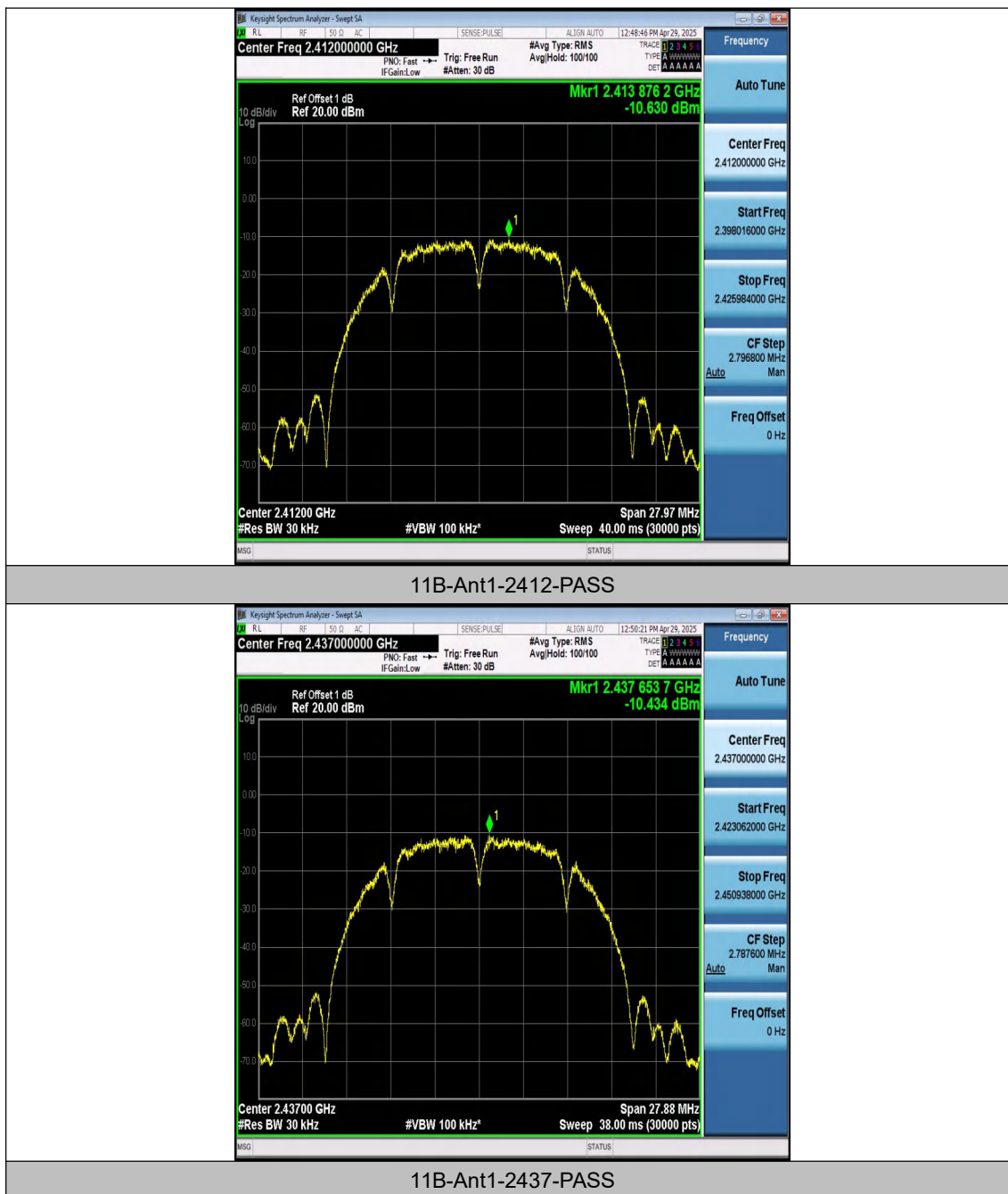
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.63	-20.63	≤8.00	PASS
11B	Ant1	2437	-10.43	-20.43	≤8.00	PASS
11B	Ant1	2462	-11.12	-21.12	≤8.00	PASS
11G	Ant1	2412	-9.73	-19.73	≤8.00	PASS
11G	Ant1	2437	-10.00	-20	≤8.00	PASS
11G	Ant1	2462	-10.52	-20.52	≤8.00	PASS
11N20SISO	Ant1	2412	-10.20	-20.2	≤8.00	PASS
11N20SISO	Ant1	2437	-10.72	-20.72	≤8.00	PASS
11N20SISO	Ant1	2462	-11.04	-21.04	≤8.00	PASS
11N40SISO	Ant1	2422	-12.76	-22.76	≤8.00	PASS
11N40SISO	Ant1	2437	-12.82	-22.82	≤8.00	PASS
11N40SISO	Ant1	2452	-12.60	-22.6	≤8.00	PASS

Note:

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



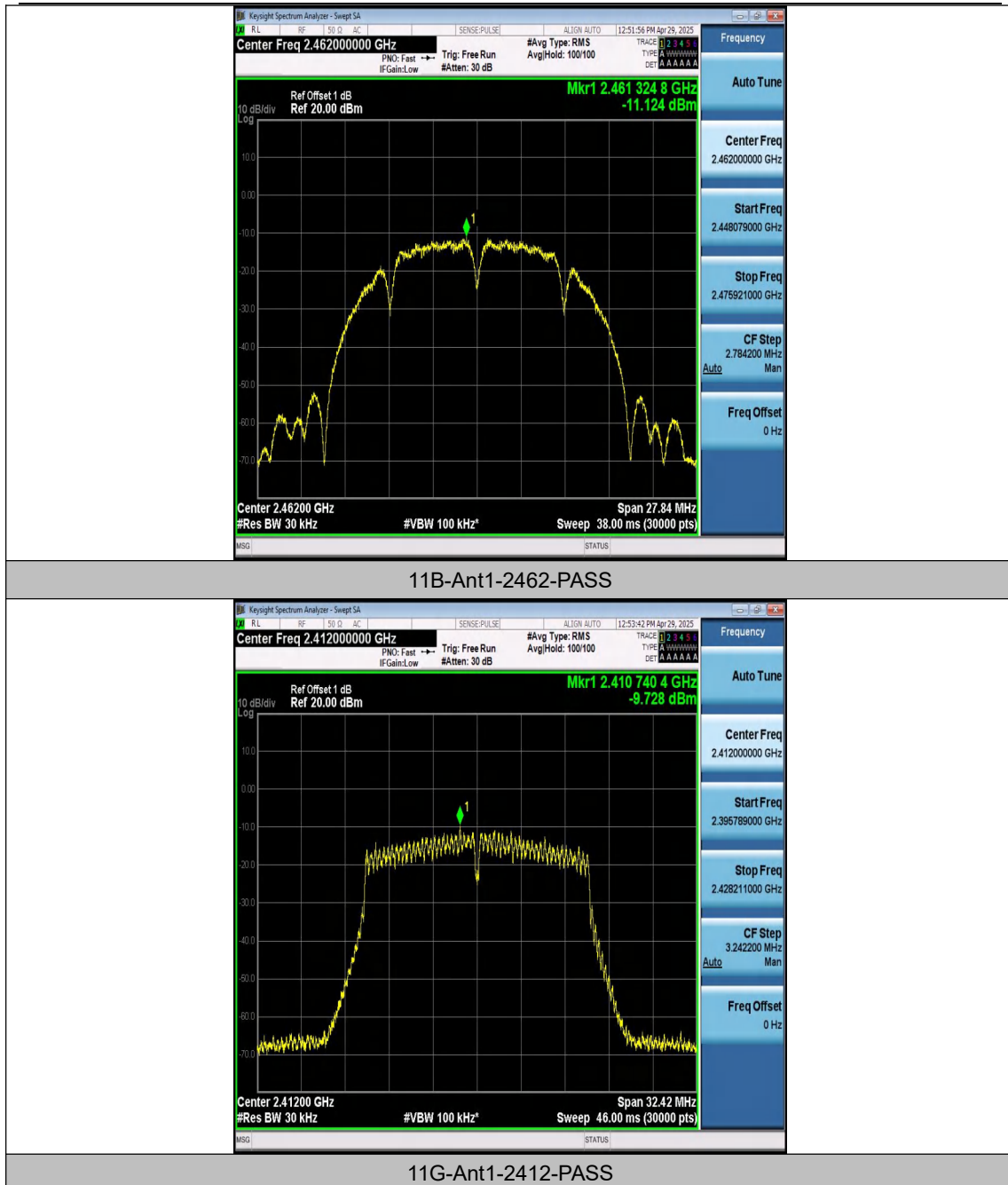
Test Graphs



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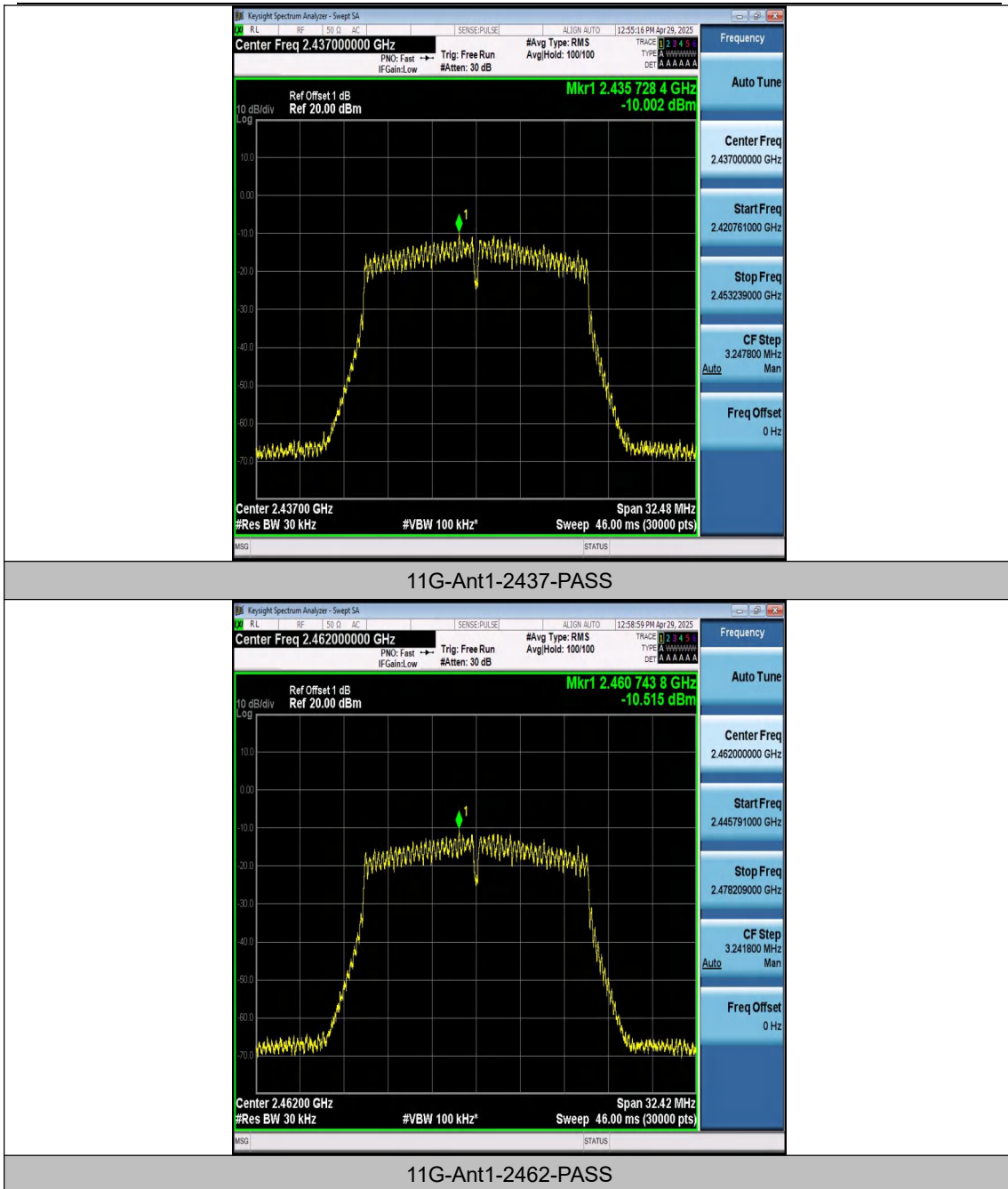


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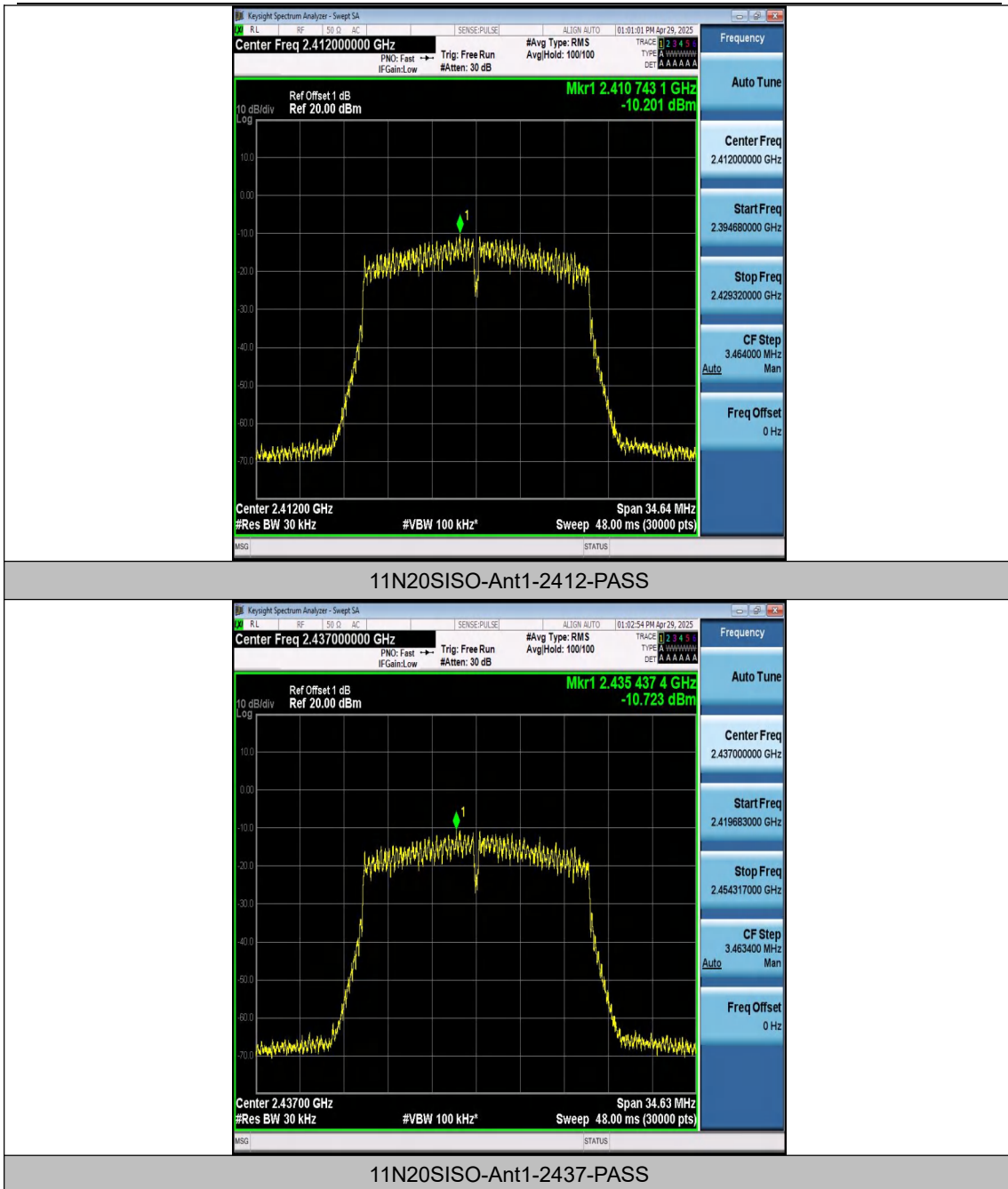


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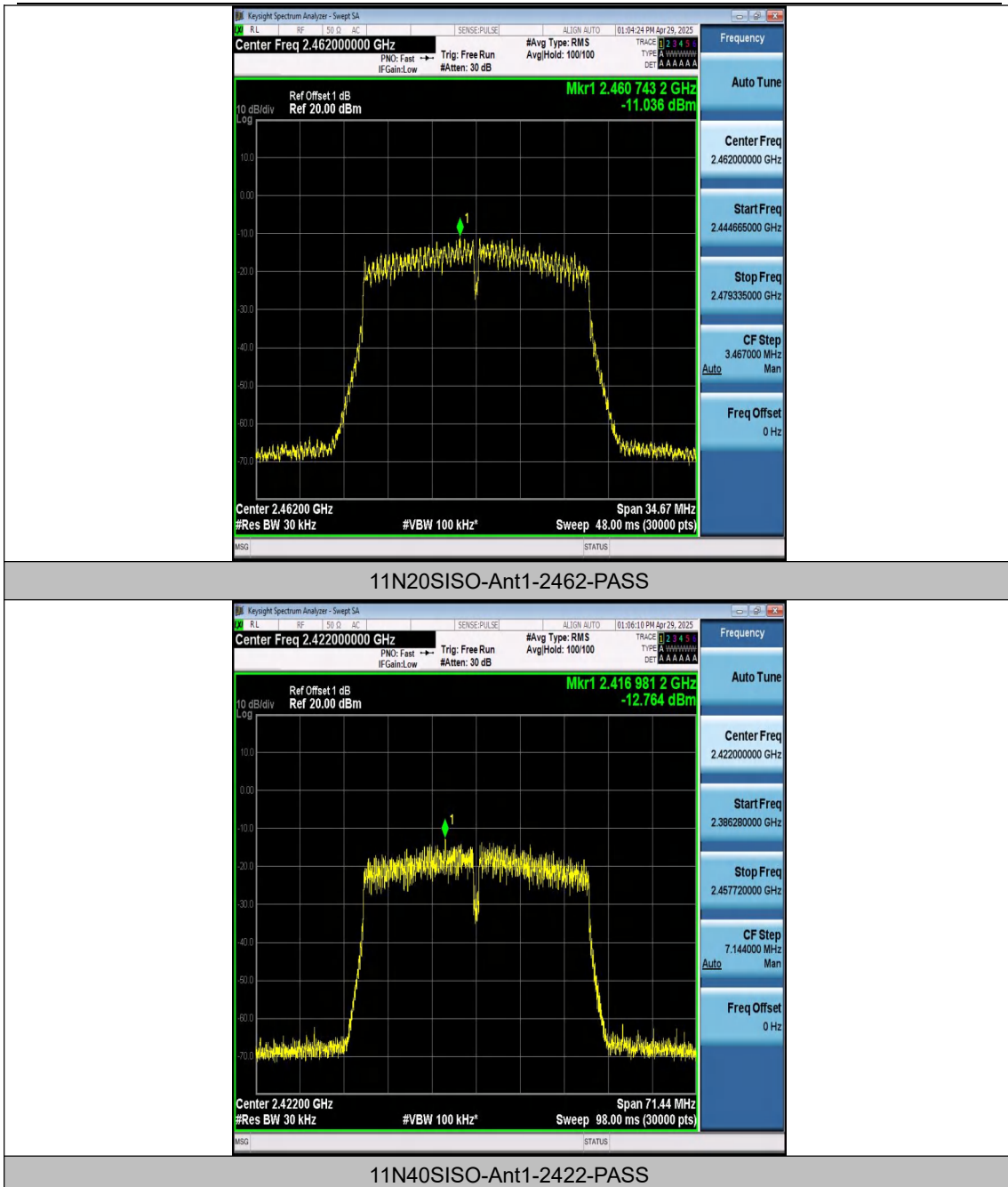


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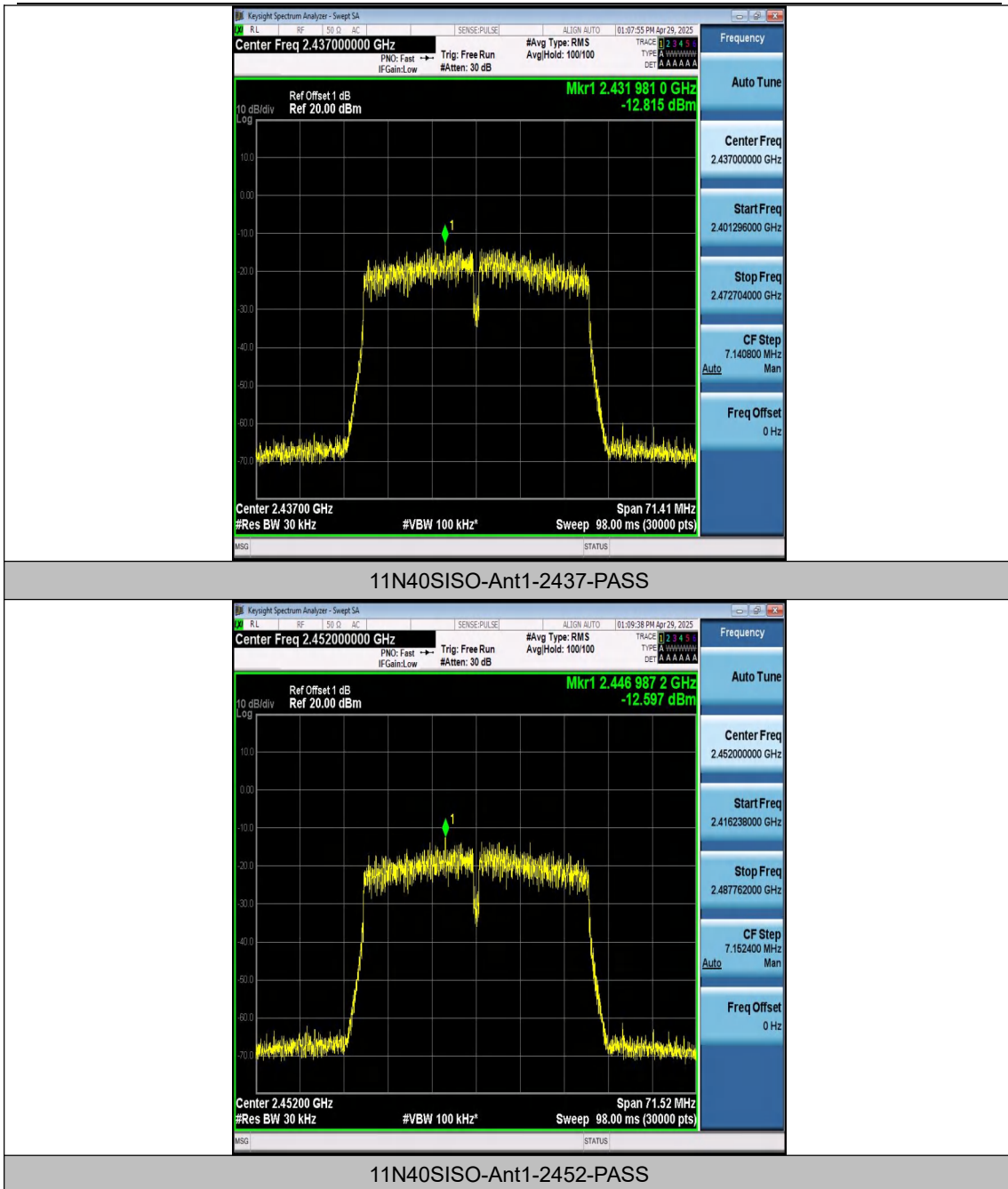
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.07	-43.17	≤-27.94	PASS
11B	Ant1	High	2462	1.38	-54.17	≤-28.62	PASS
11G	Ant1	Low	2412	2.00	-50.65	≤-28.01	PASS
11G	Ant1	High	2462	1.54	-54.28	≤-28.46	PASS
11N20SISO	Ant1	Low	2412	1.96	-49.78	≤-28.04	PASS
11N20SISO	Ant1	High	2462	1.65	-54.32	≤-28.35	PASS
11N40SISO	Ant1	Low	2422	-1.52	-47.75	≤-31.52	PASS
11N40SISO	Ant1	High	2452	-1.46	-52.46	≤-31.46	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

