

Appendix Test Data

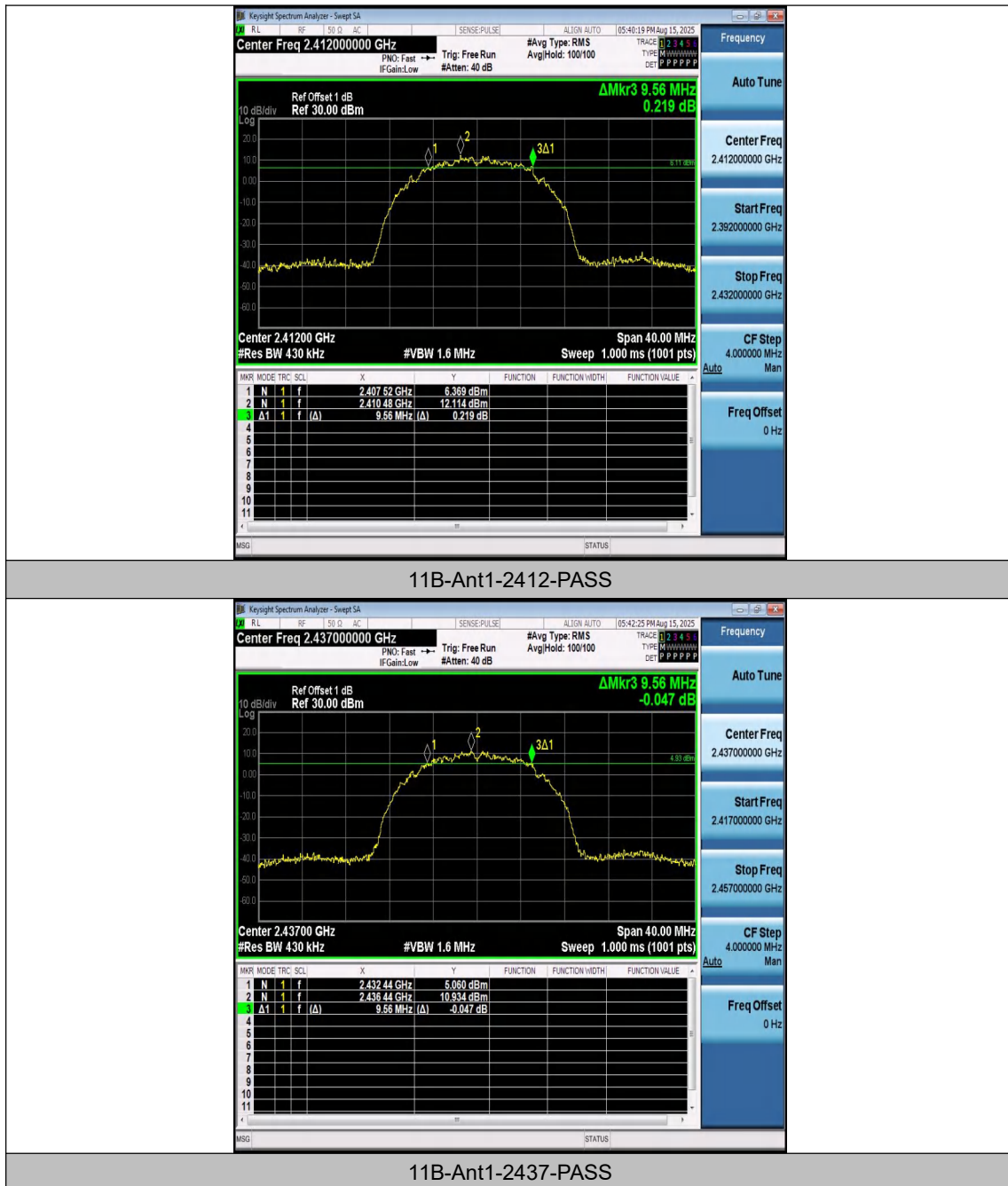
Report No.:	1812C50389112501	Test Sample No.:	1-2-2
Start Test Date:	2025-08-15	Finish Test Date:	2025-08-15
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.9°C	Relative Humidity:	58%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.520	2417.080	0.5	PASS
11B	Ant1	2437	9.560	2432.440	2442.000	0.5	PASS
11B	Ant1	2462	9.560	2457.480	2467.040	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
11G	Ant1	2437	16.440	2428.760	2445.200	0.5	PASS
11G	Ant1	2462	16.400	2453.840	2470.240	0.5	PASS

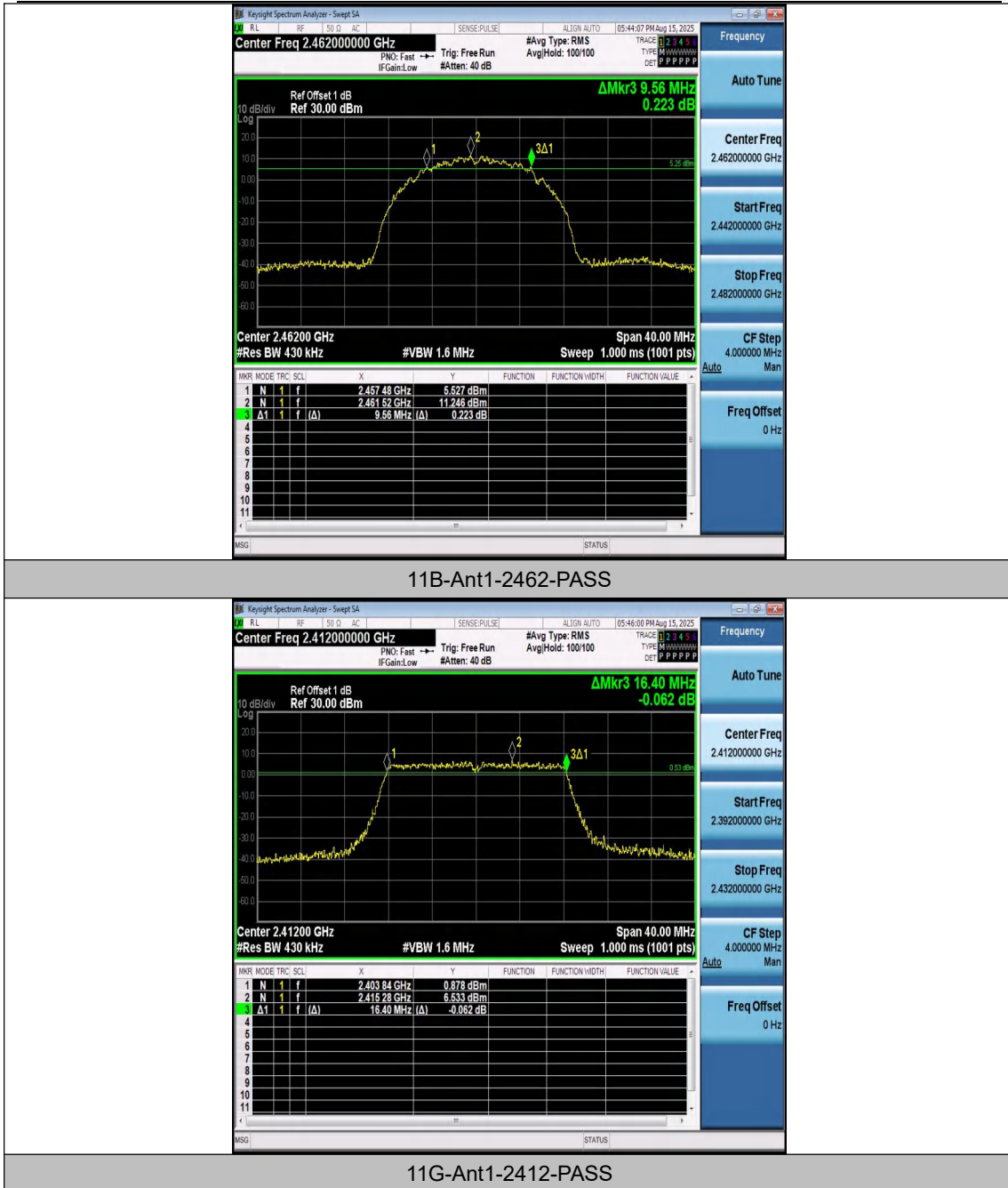
Test Graphs



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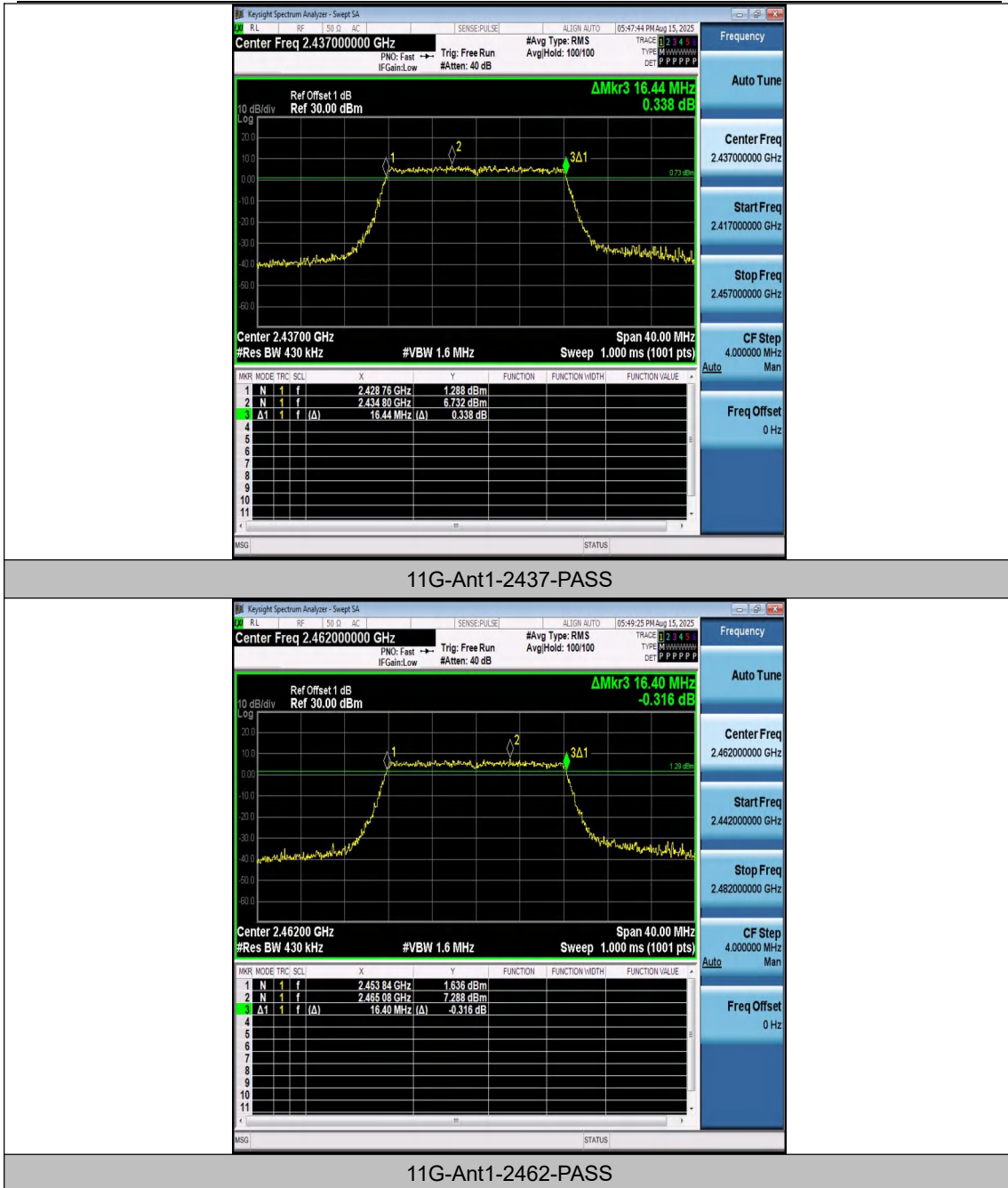
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.028	2405.4755	2418.5035	---	---
11B	Ant1	2437	13.004	2430.4961	2443.5001	---	---
11B	Ant1	2462	13.002	2455.4391	2468.4411	---	---
11G	Ant1	2412	16.628	2403.6887	2420.3167	---	---
11G	Ant1	2437	16.650	2428.6714	2445.3214	---	---
11G	Ant1	2462	16.603	2453.6904	2470.2934	---	---

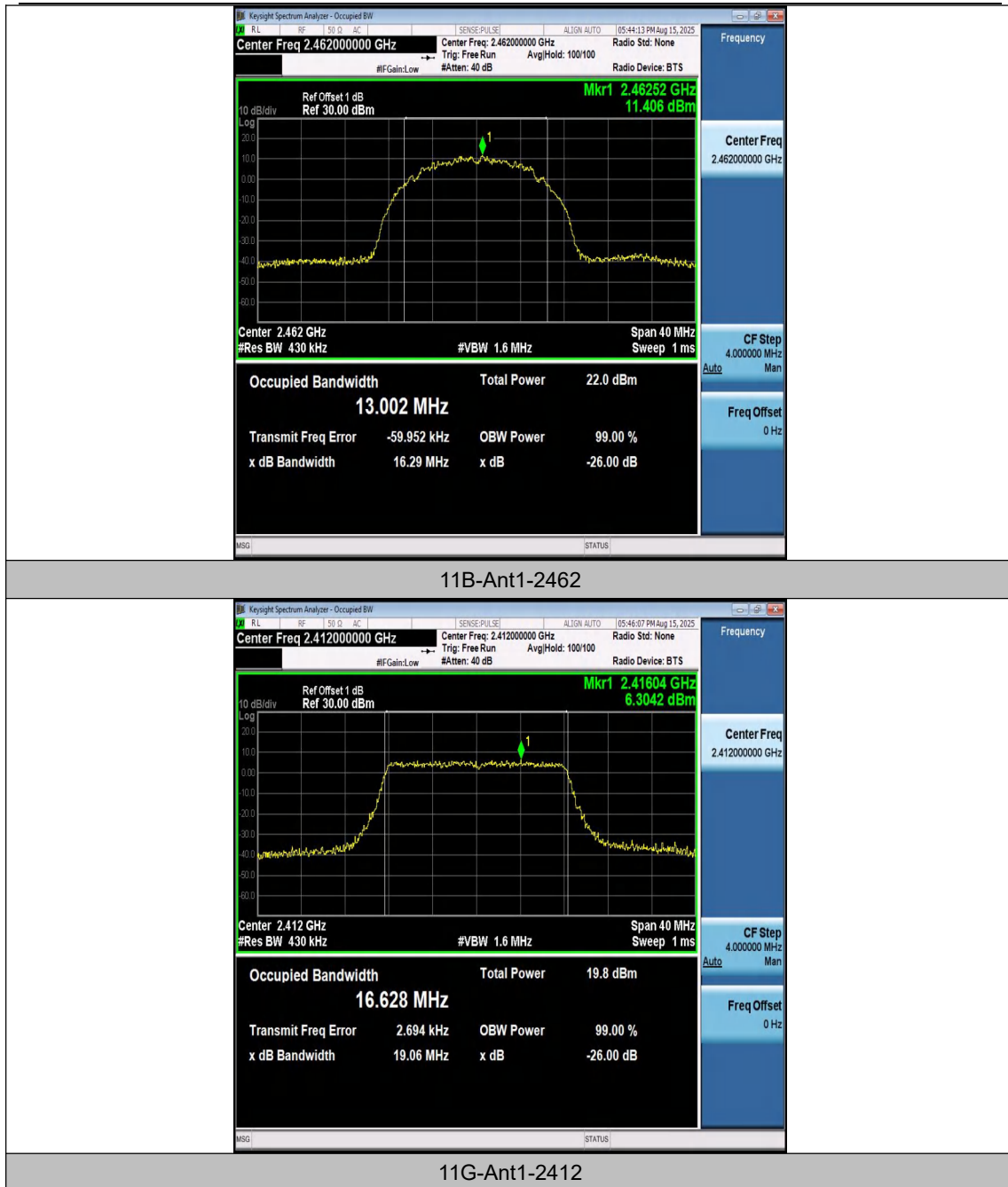
Test Graphs



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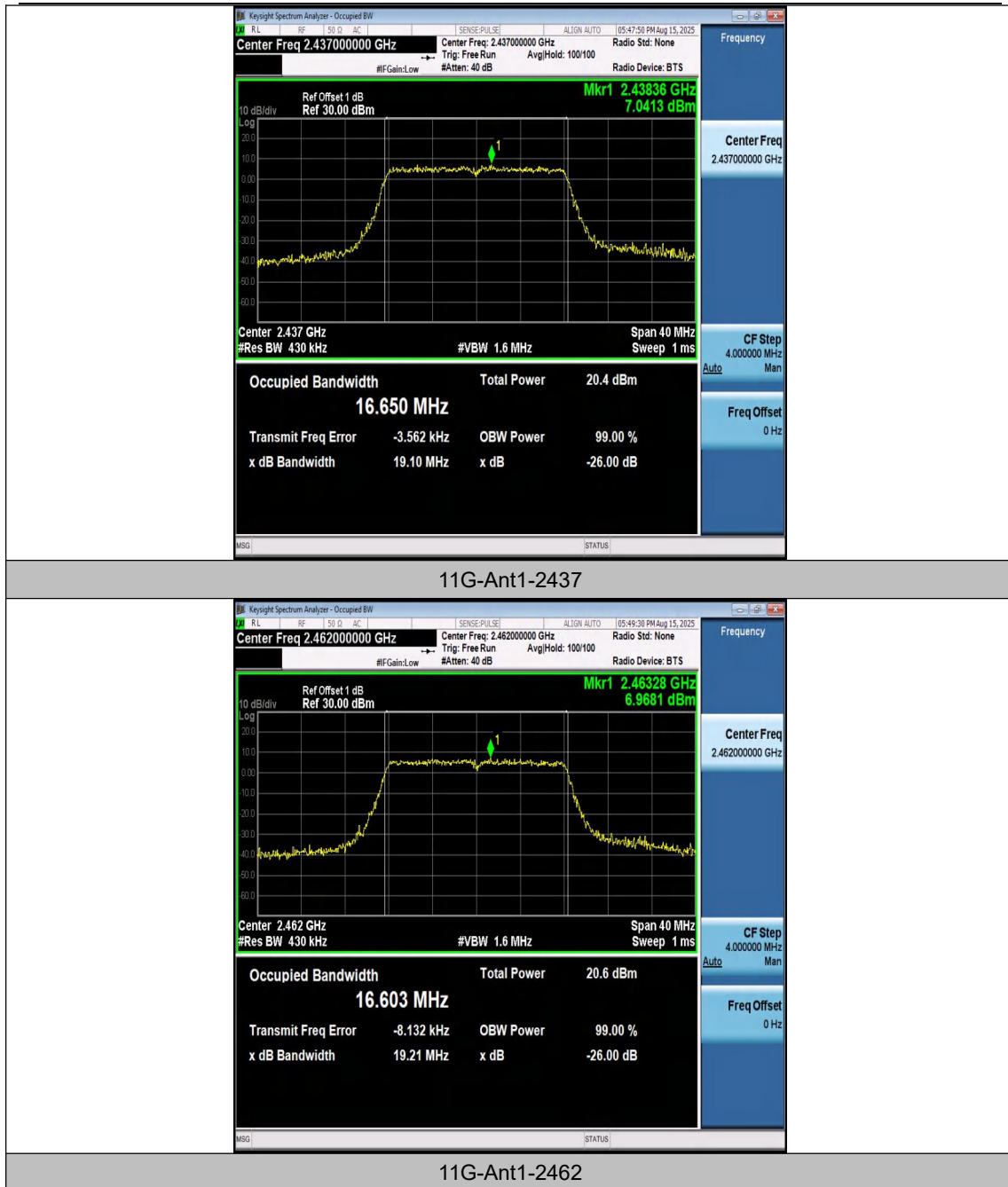
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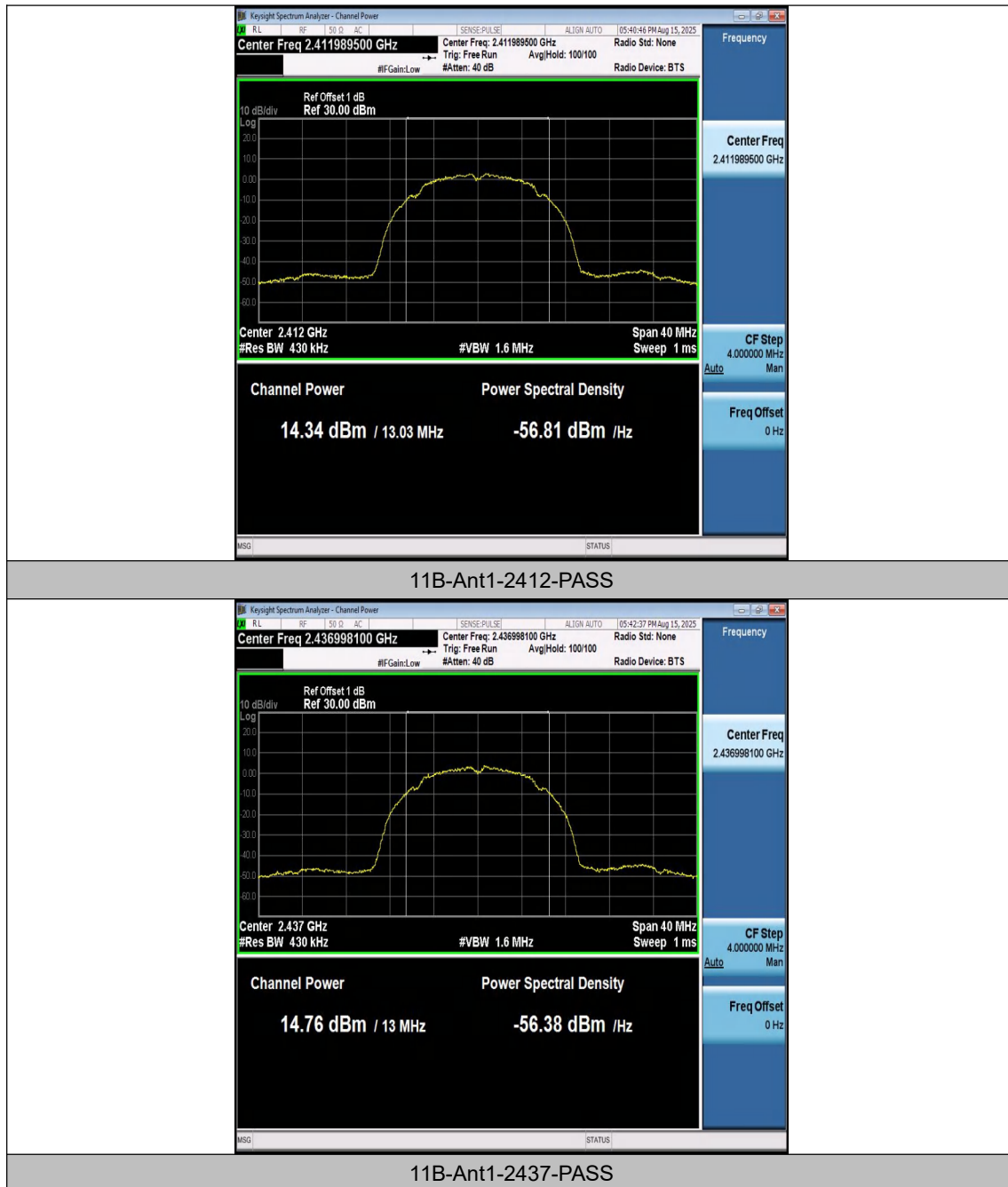
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.34	100.00	0.00	14.34	≤30.00	PASS
11B	Ant1	2437	14.76	100.00	0.00	14.76	≤30.00	PASS
11B	Ant1	2462	15.25	100.00	0.00	15.25	≤30.00	PASS
11G	Ant1	2412	13.64	100.00	0.00	13.64	≤30.00	PASS
11G	Ant1	2437	14.23	100.00	0.00	14.23	≤30.00	PASS
11G	Ant1	2462	14.45	100.00	0.00	14.45	≤30.00	PASS

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

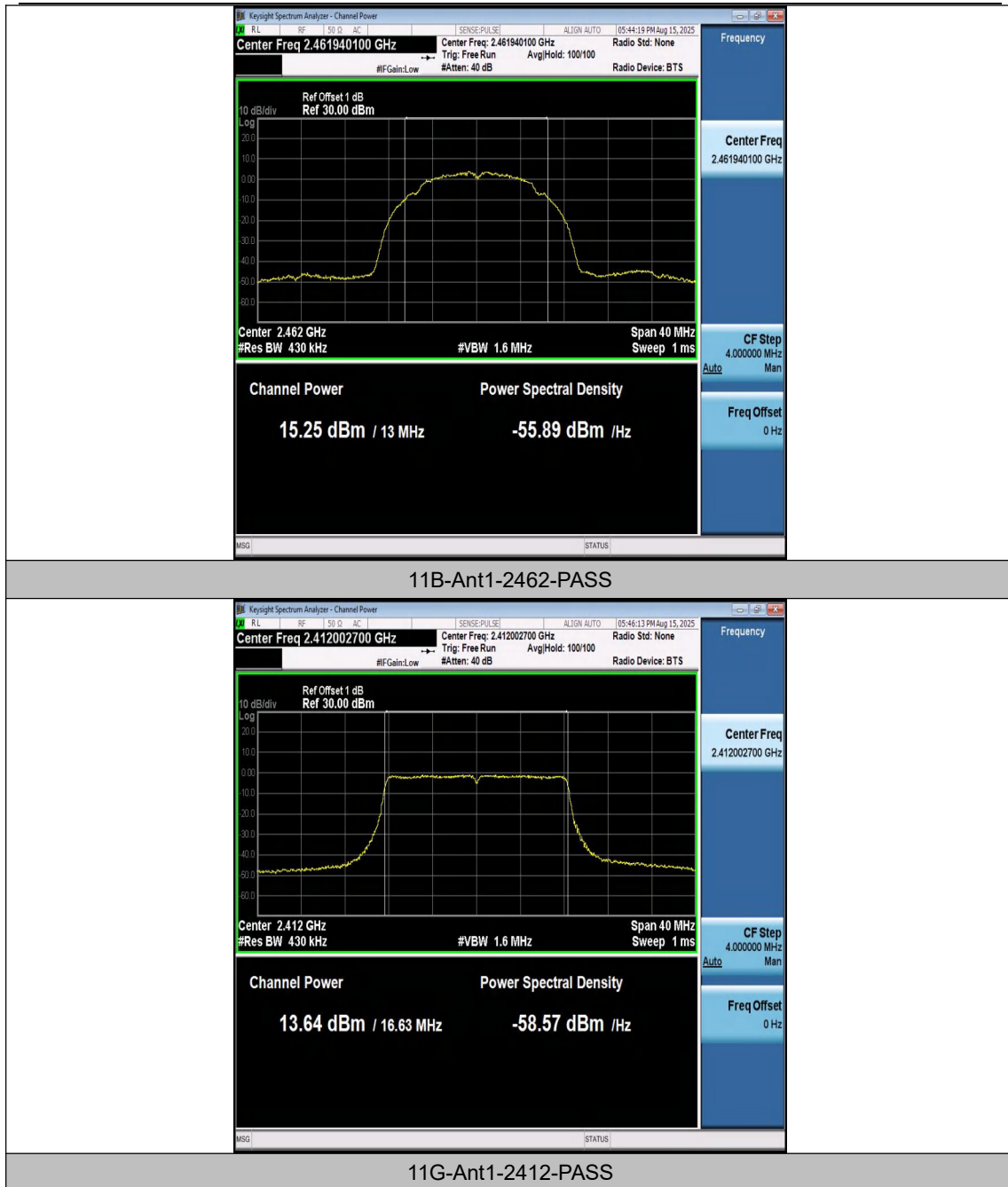
Test Graphs Average



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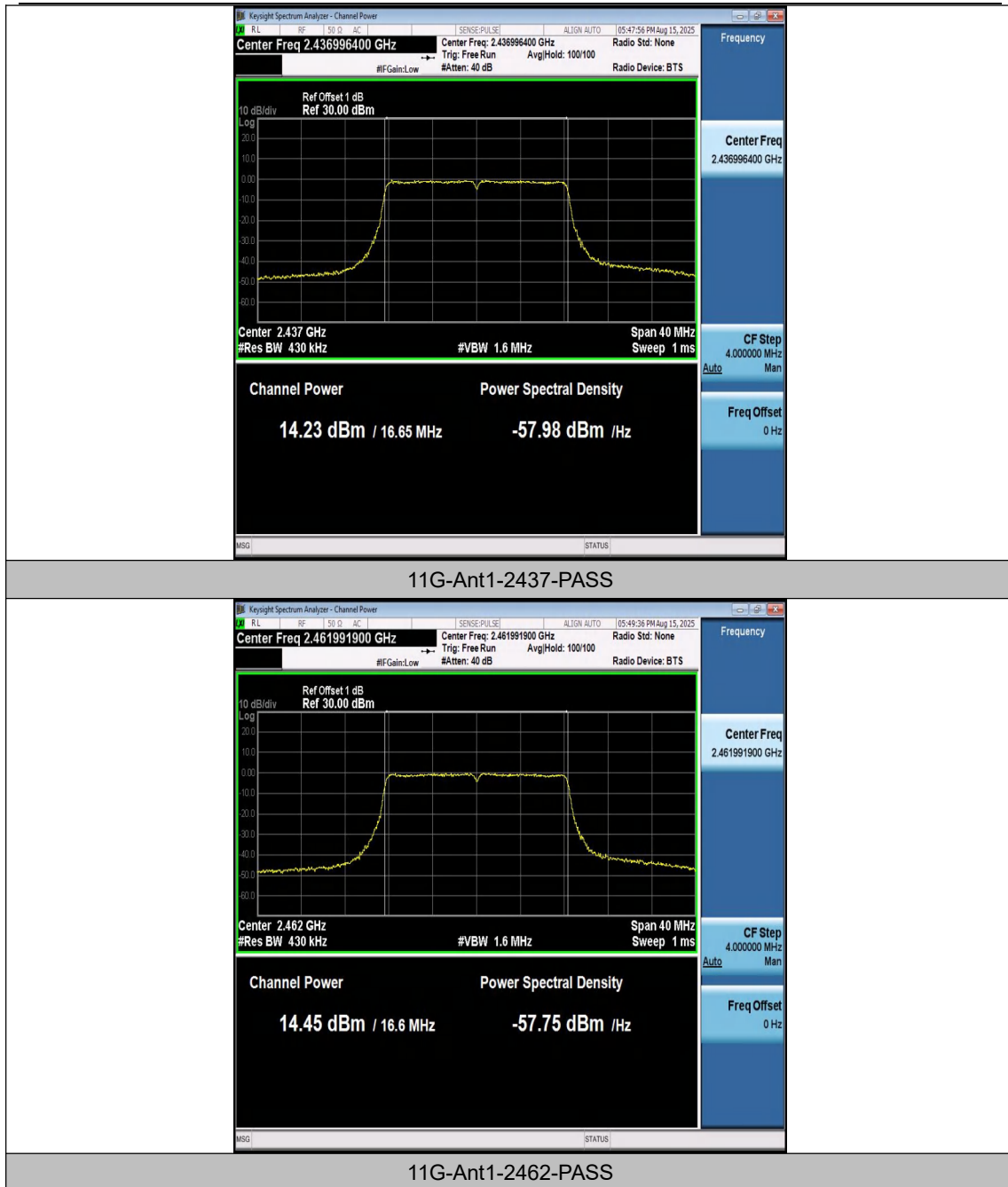
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Appendix D: Maximum power spectral density

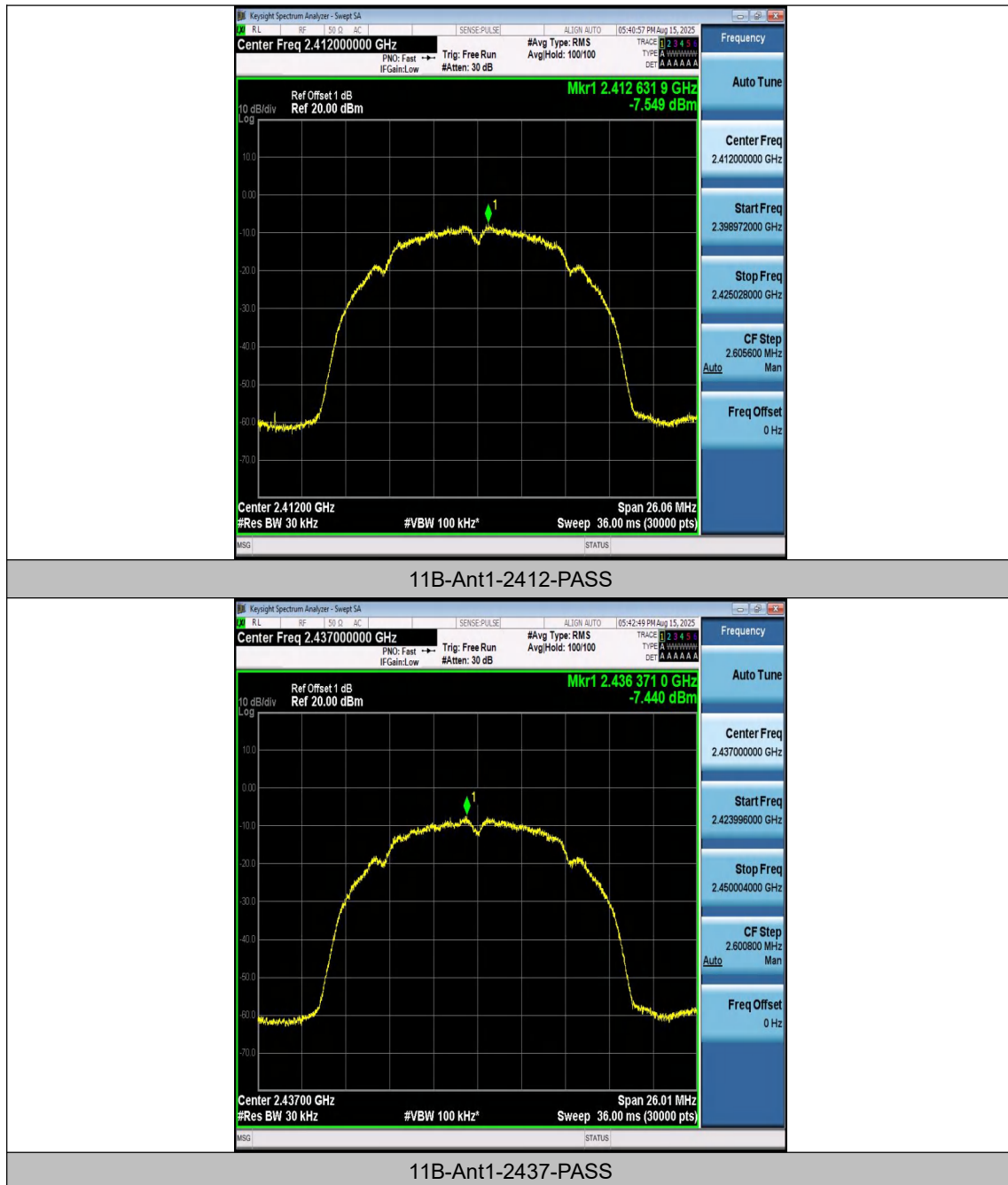
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.55	≤8.00	PASS
11B	Ant1	2437	-7.44	≤8.00	PASS
11B	Ant1	2462	-7.02	≤8.00	PASS
11G	Ant1	2412	-10.78	≤8.00	PASS
11G	Ant1	2437	-10.07	≤8.00	PASS
11G	Ant1	2462	-9.97	≤8.00	PASS

Note:

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

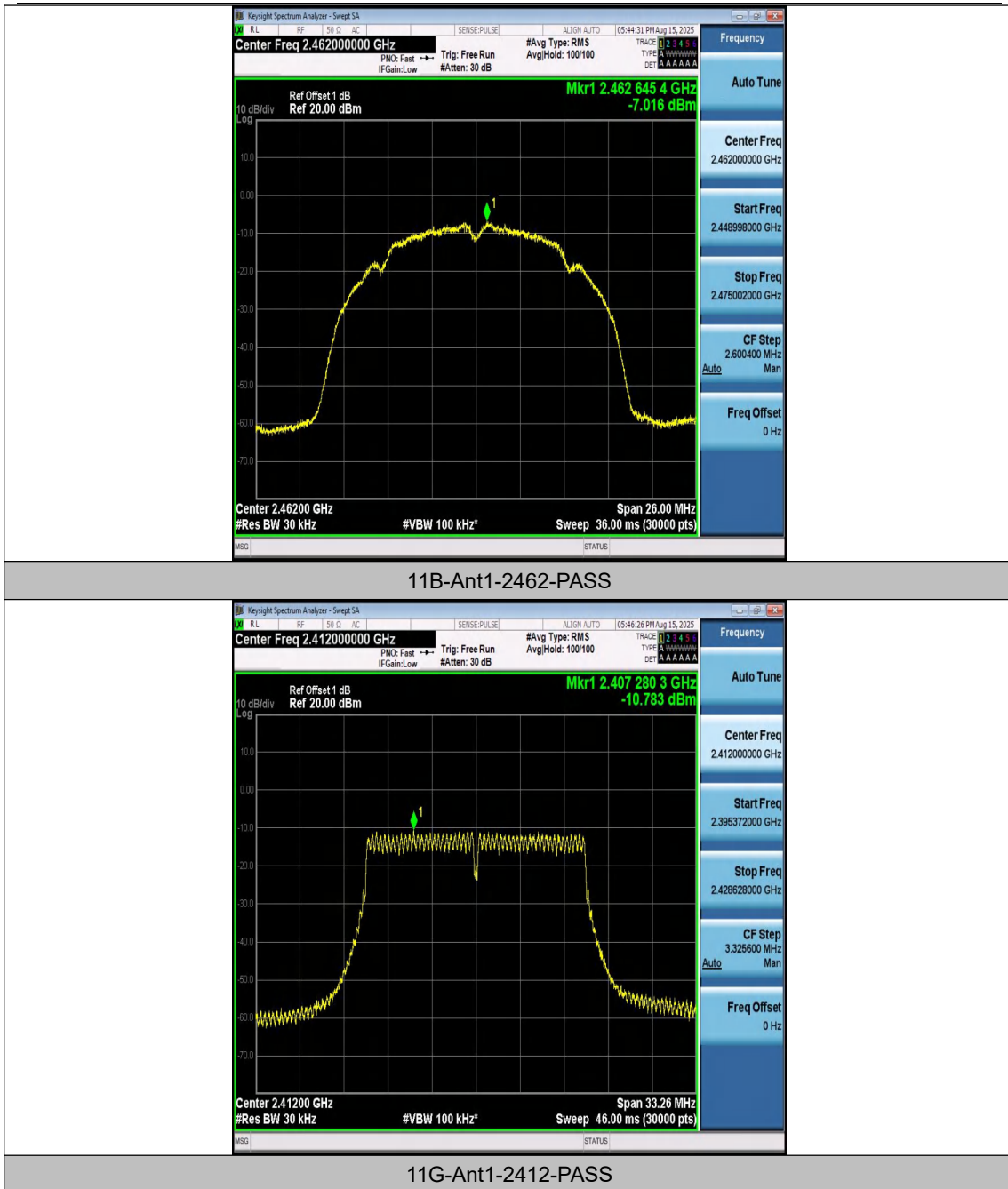
Test Graphs



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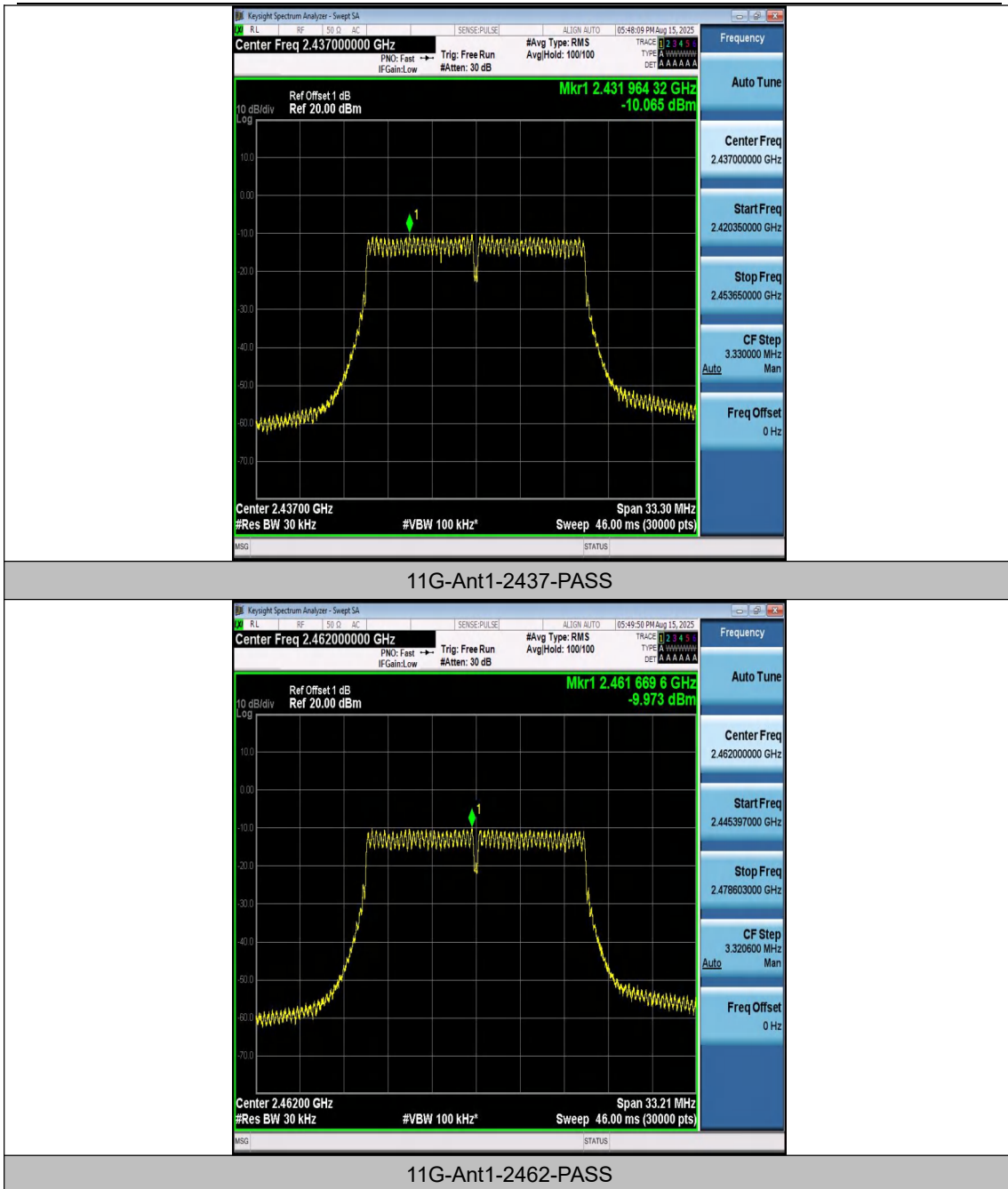
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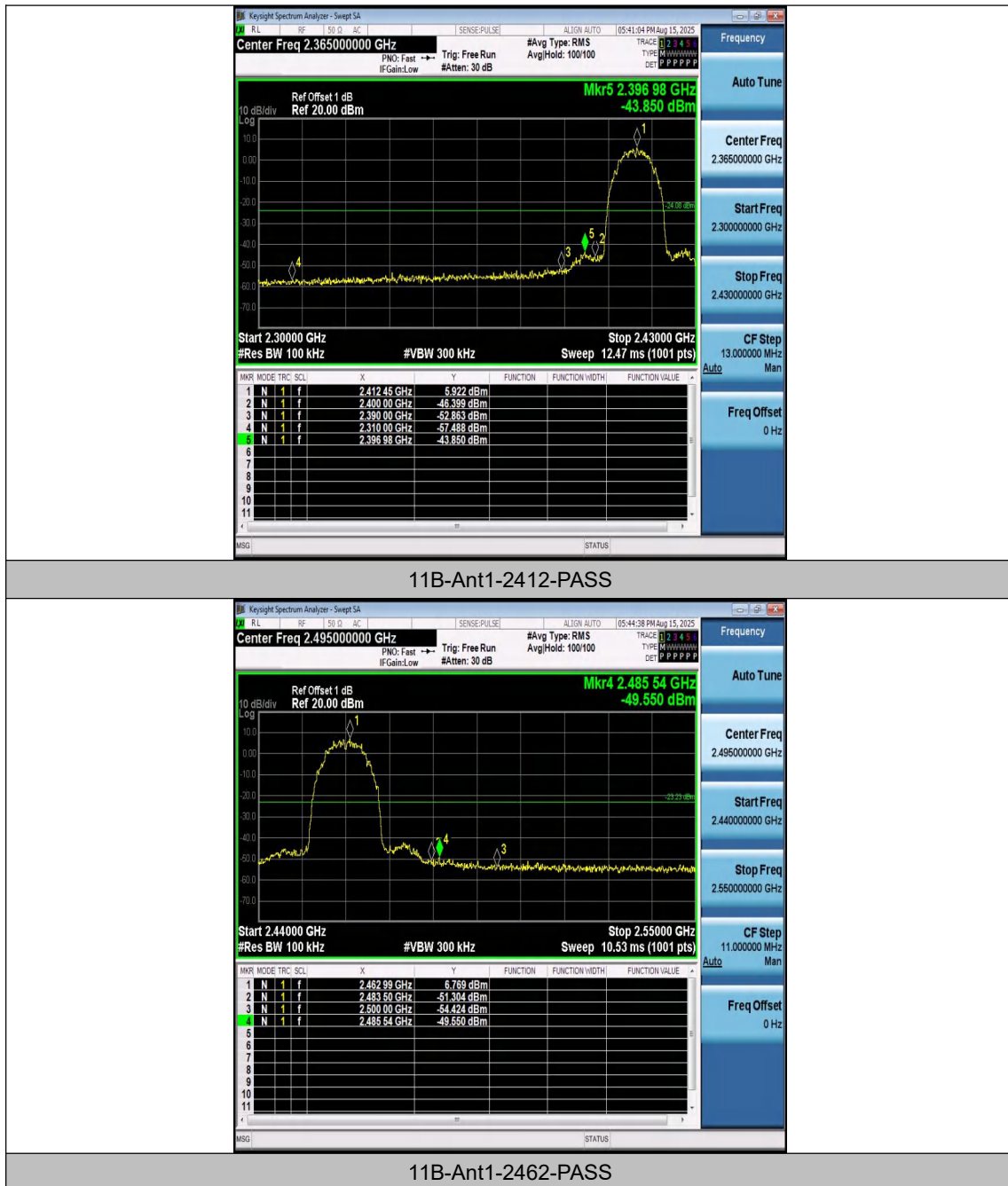
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.92	-43.85	≤-24.08	PASS
11B	Ant1	High	2462	6.77	-49.55	≤-23.23	PASS
11G	Ant1	Low	2412	2.26	-41.85	≤-27.74	PASS
11G	Ant1	High	2462	1.97	-46.26	≤-28.03	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.

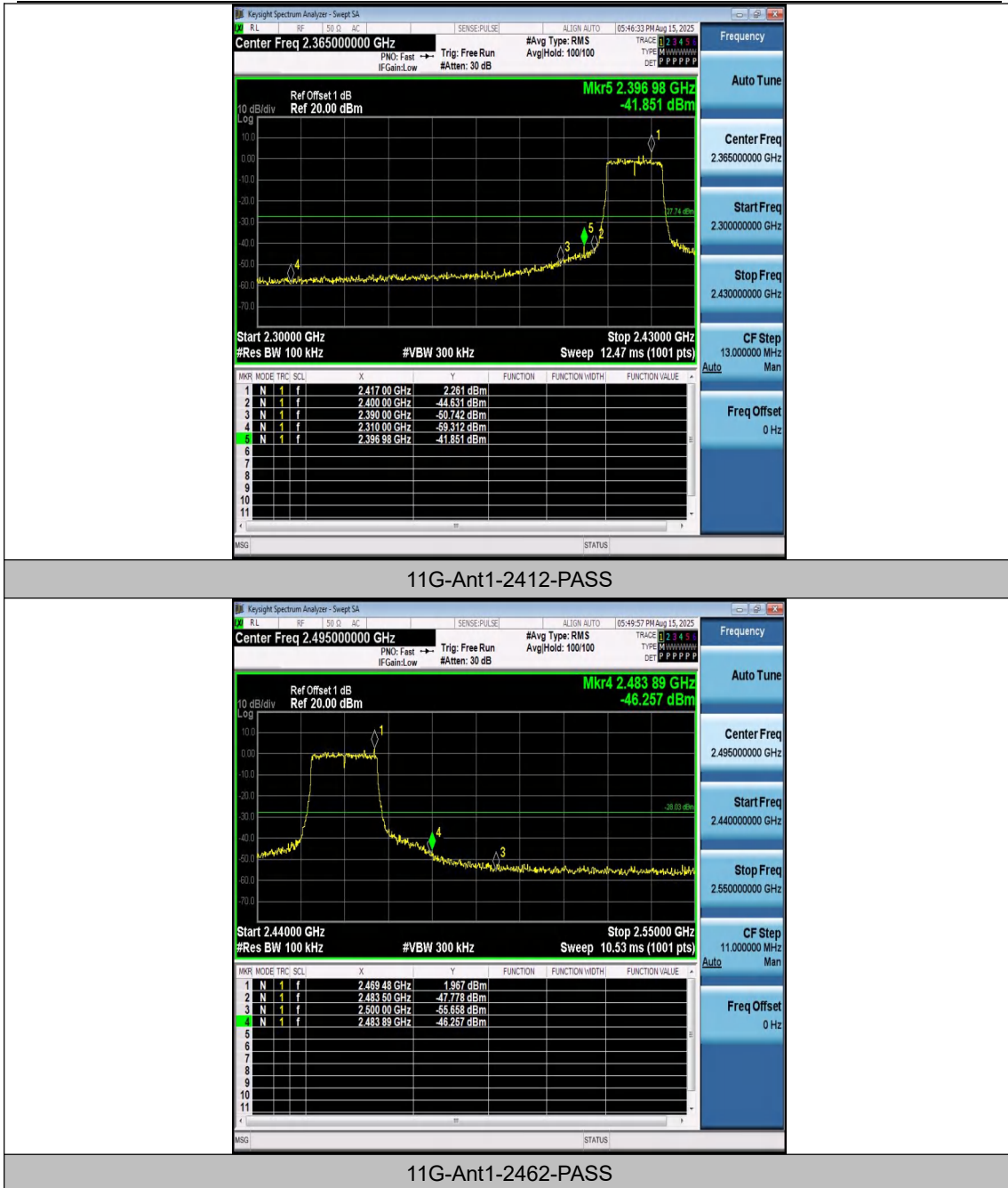
Test Graphs



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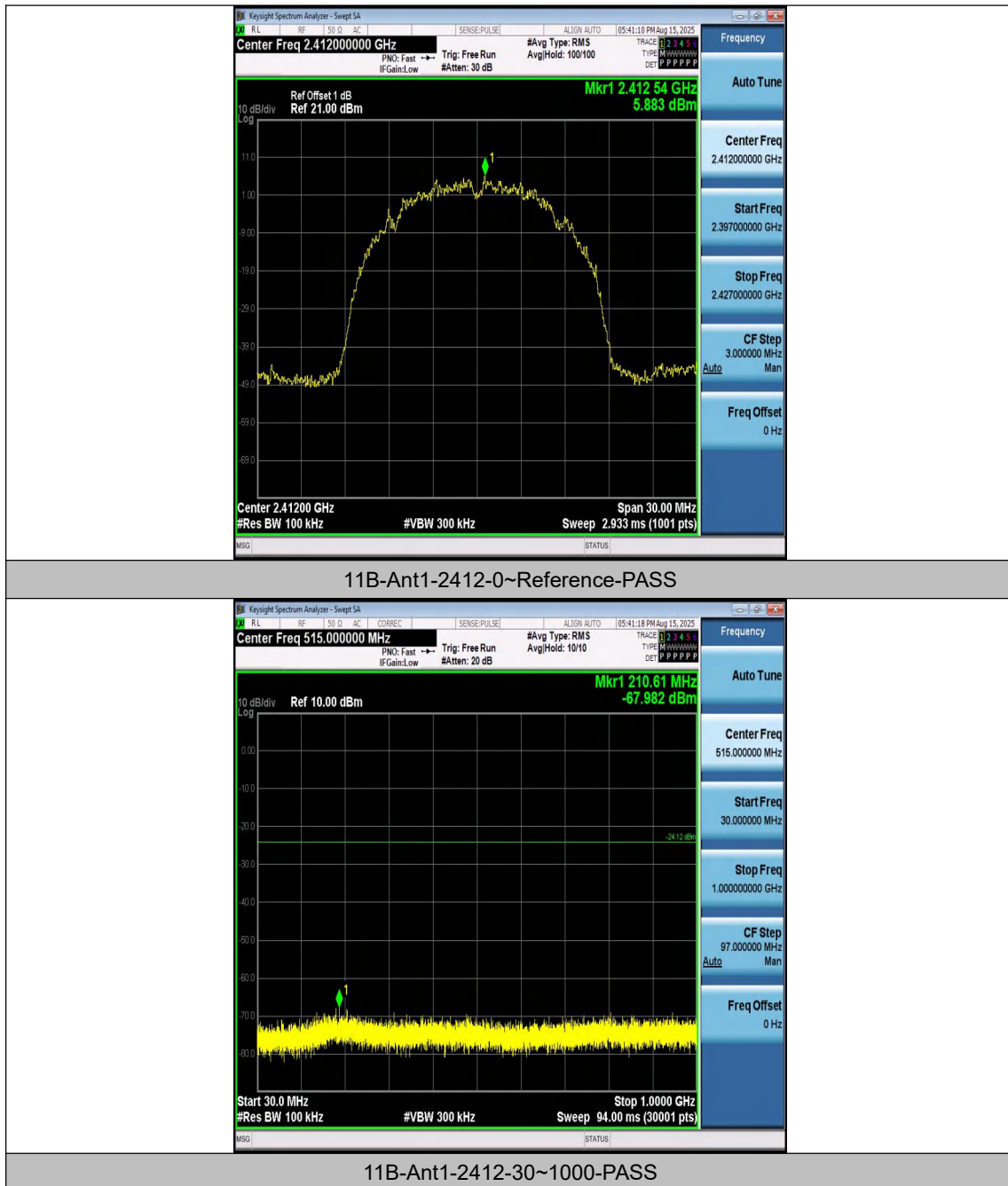
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.88	5.88	---	PASS
11B	Ant1	2412	30~1000	5.88	-67.98	≤-24.12	PASS
11B	Ant1	2412	1000~26500	5.88	-52.43	≤-24.12	PASS
11B	Ant1	2437	0~Reference	6.78	6.78	---	PASS
11B	Ant1	2437	30~1000	6.78	-67.56	≤-23.22	PASS
11B	Ant1	2437	1000~26500	6.78	-52.23	≤-23.22	PASS
11B	Ant1	2462	0~Reference	7.57	7.57	---	PASS
11B	Ant1	2462	30~1000	7.57	-67.92	≤-22.43	PASS
11B	Ant1	2462	1000~26500	7.57	-52.1	≤-22.43	PASS
11G	Ant1	2412	0~Reference	1.80	1.80	---	PASS
11G	Ant1	2412	30~1000	1.80	-68.69	≤-28.2	PASS
11G	Ant1	2412	1000~26500	1.80	-54.14	≤-28.2	PASS
11G	Ant1	2437	0~Reference	1.97	1.97	---	PASS
11G	Ant1	2437	30~1000	1.97	-68.83	≤-28.03	PASS
11G	Ant1	2437	1000~26500	1.97	-53.85	≤-28.03	PASS
11G	Ant1	2462	0~Reference	3.01	3.01	---	PASS
11G	Ant1	2462	30~1000	3.01	-67.04	≤-26.99	PASS
11G	Ant1	2462	1000~26500	3.01	-52.88	≤-26.99	PASS

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

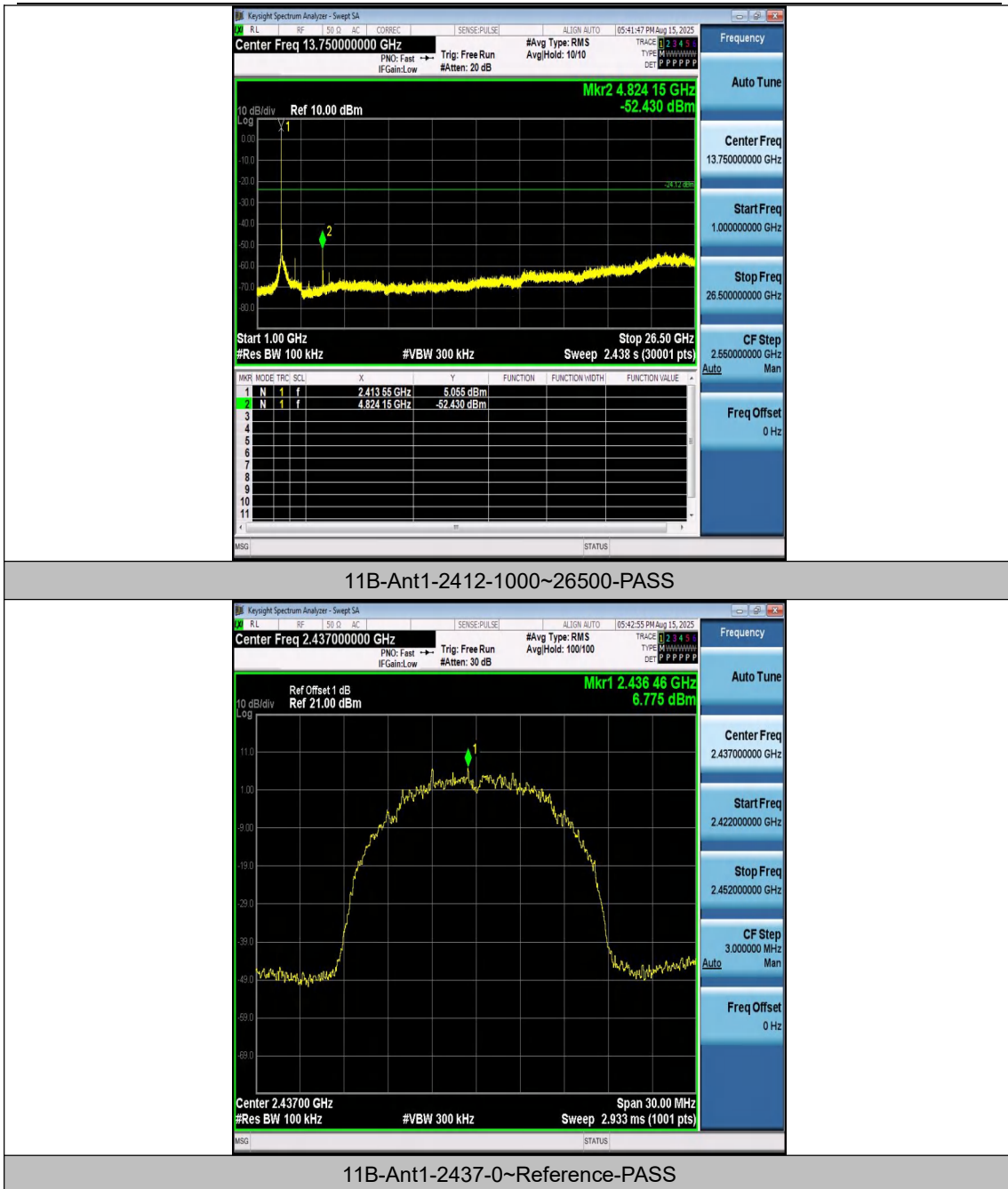
Test Graphs



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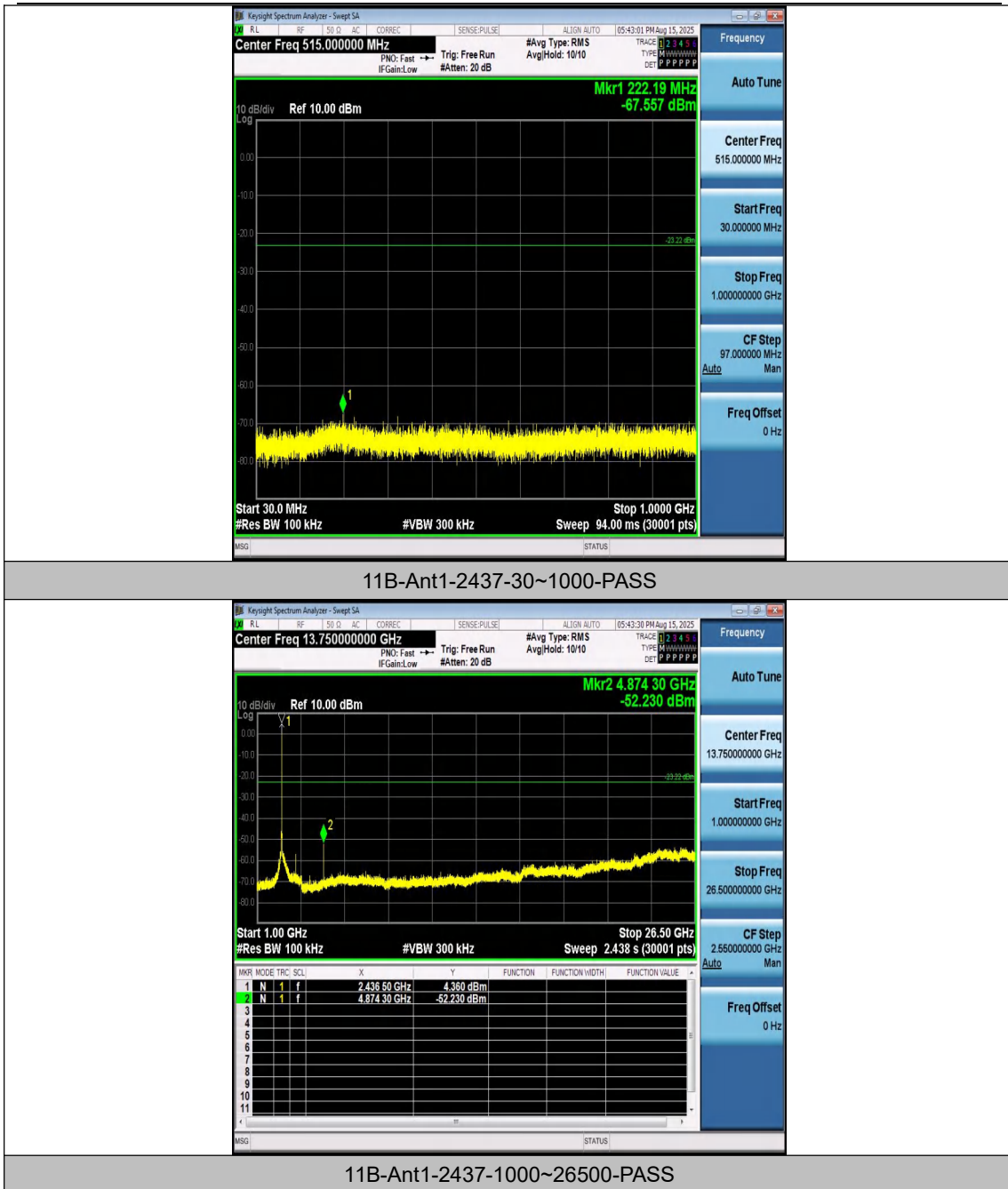
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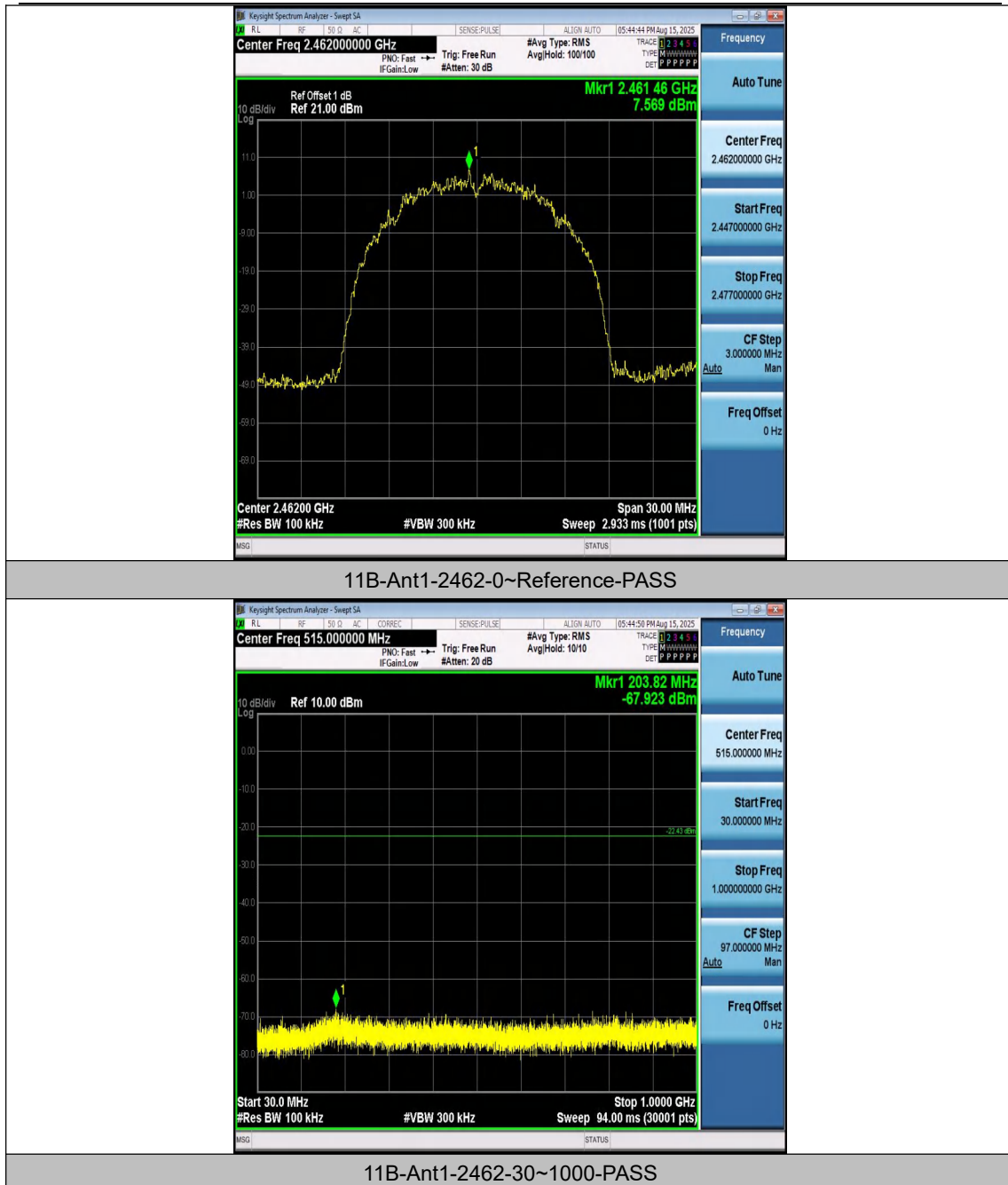
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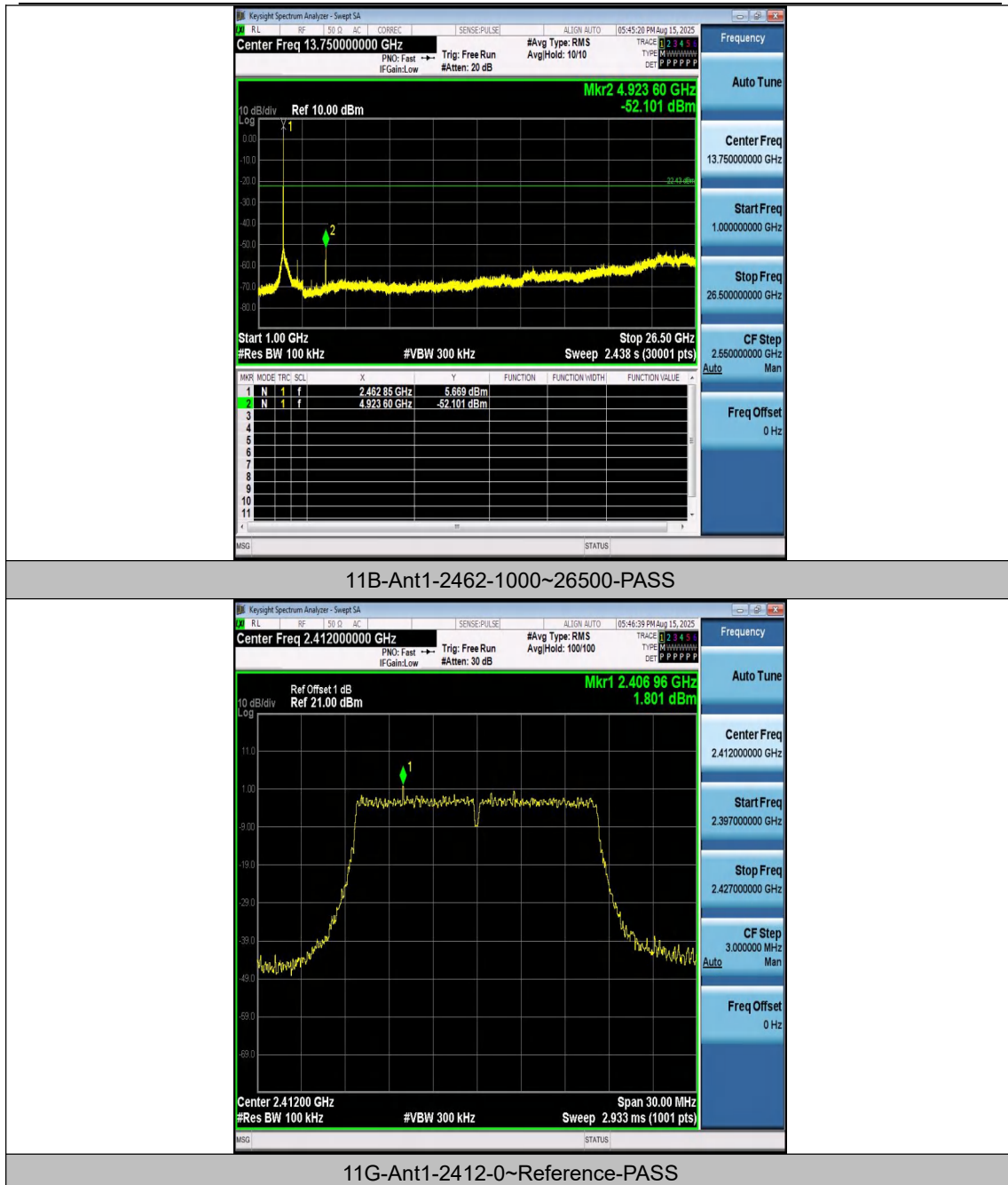
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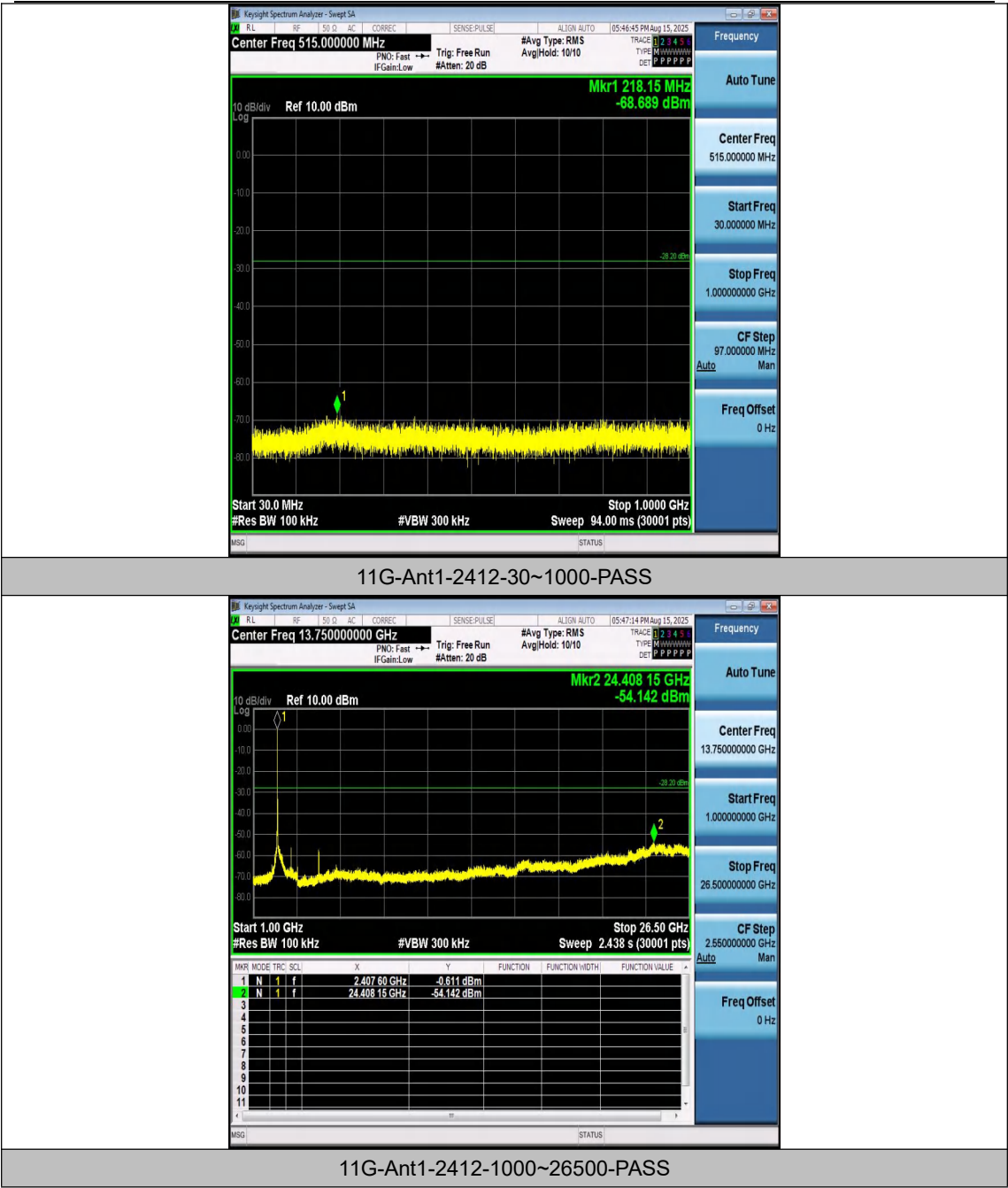
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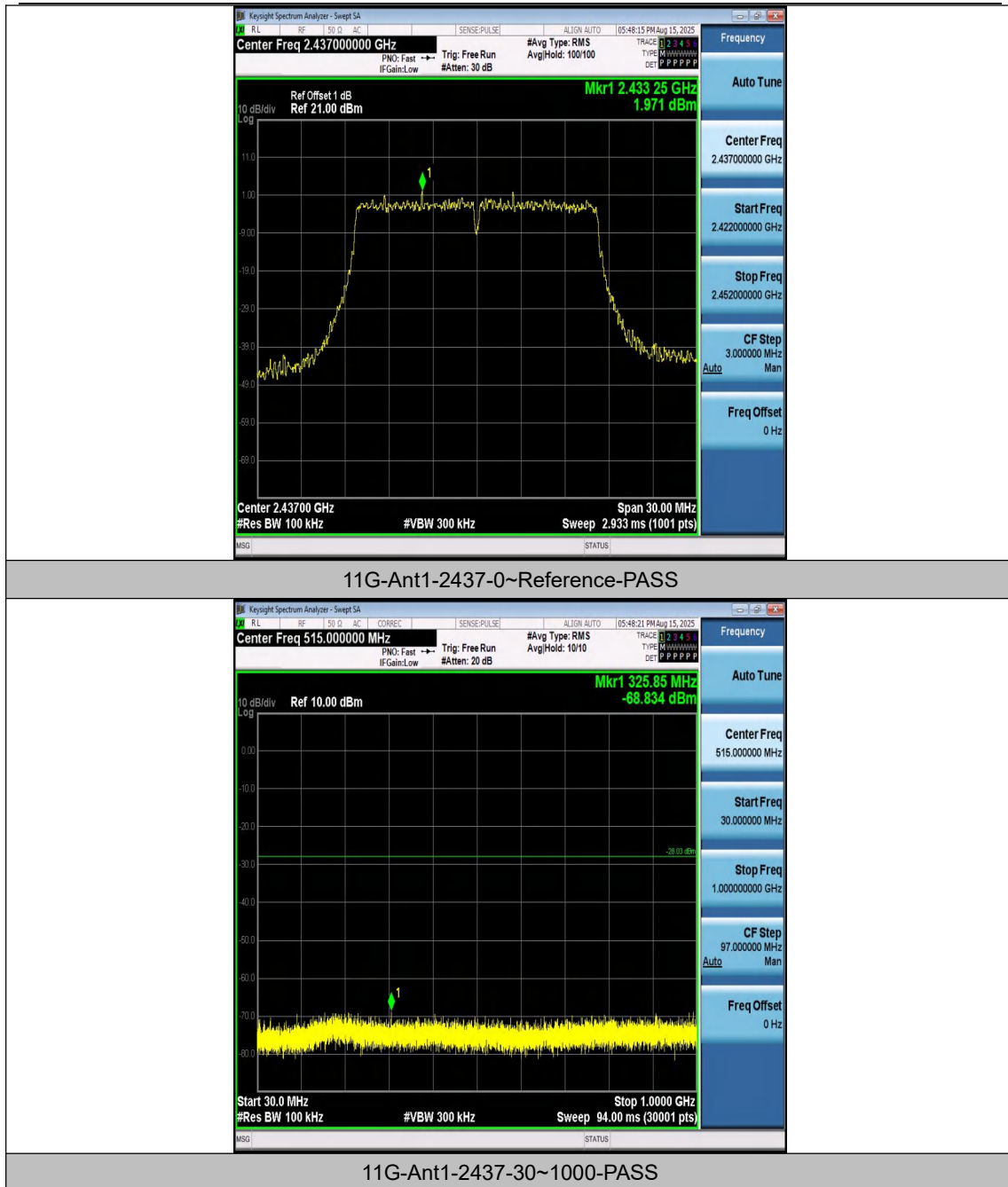


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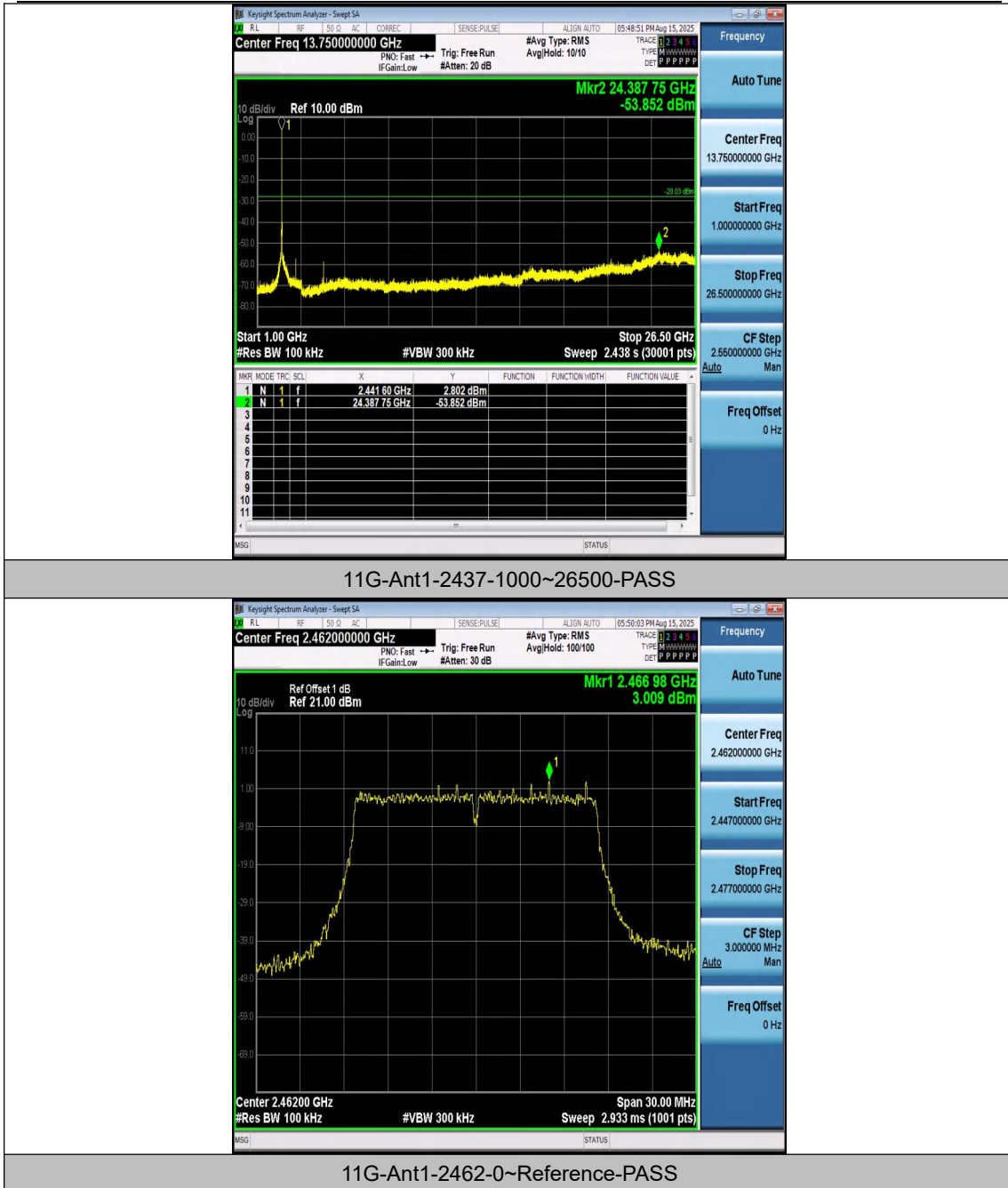




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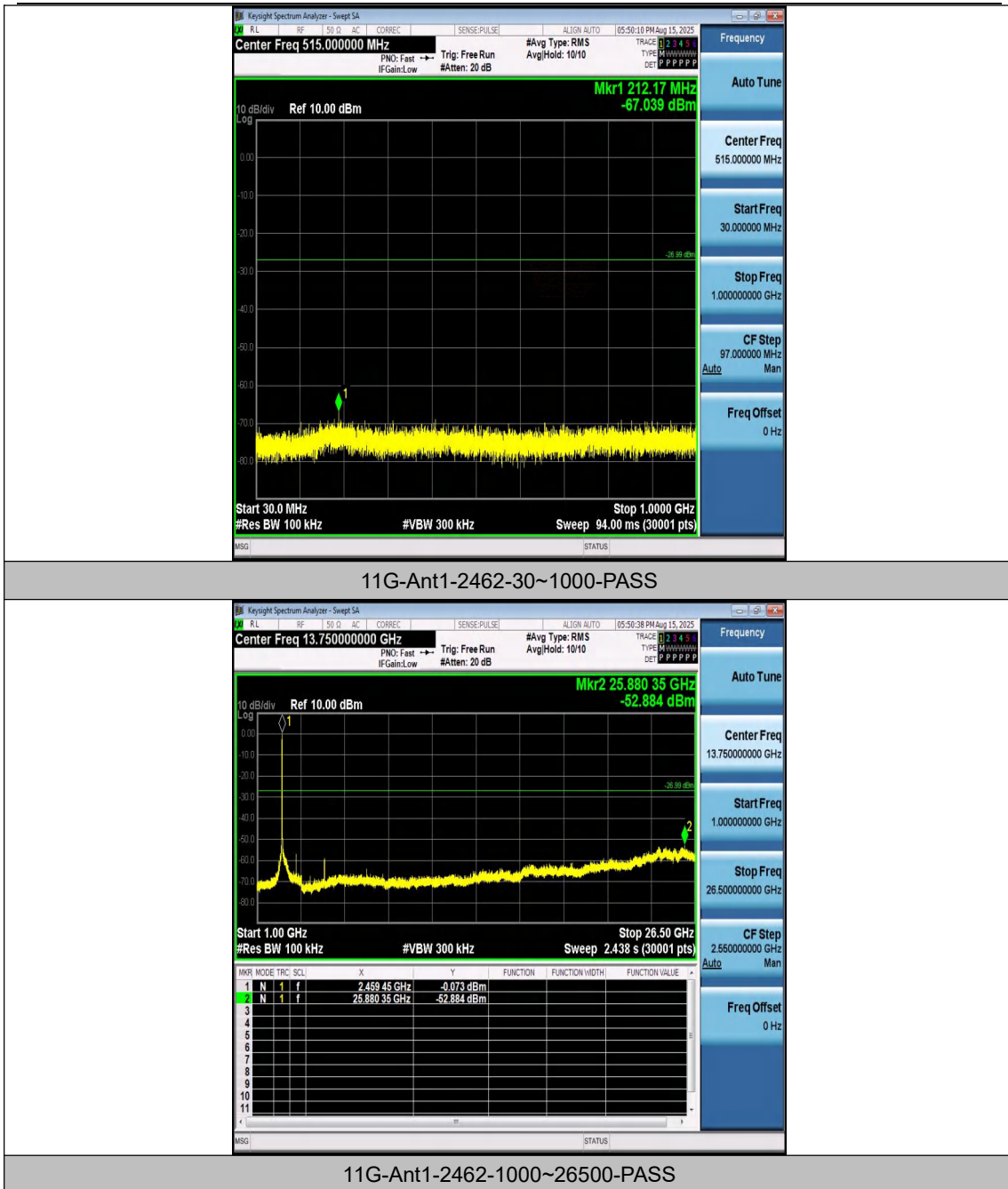
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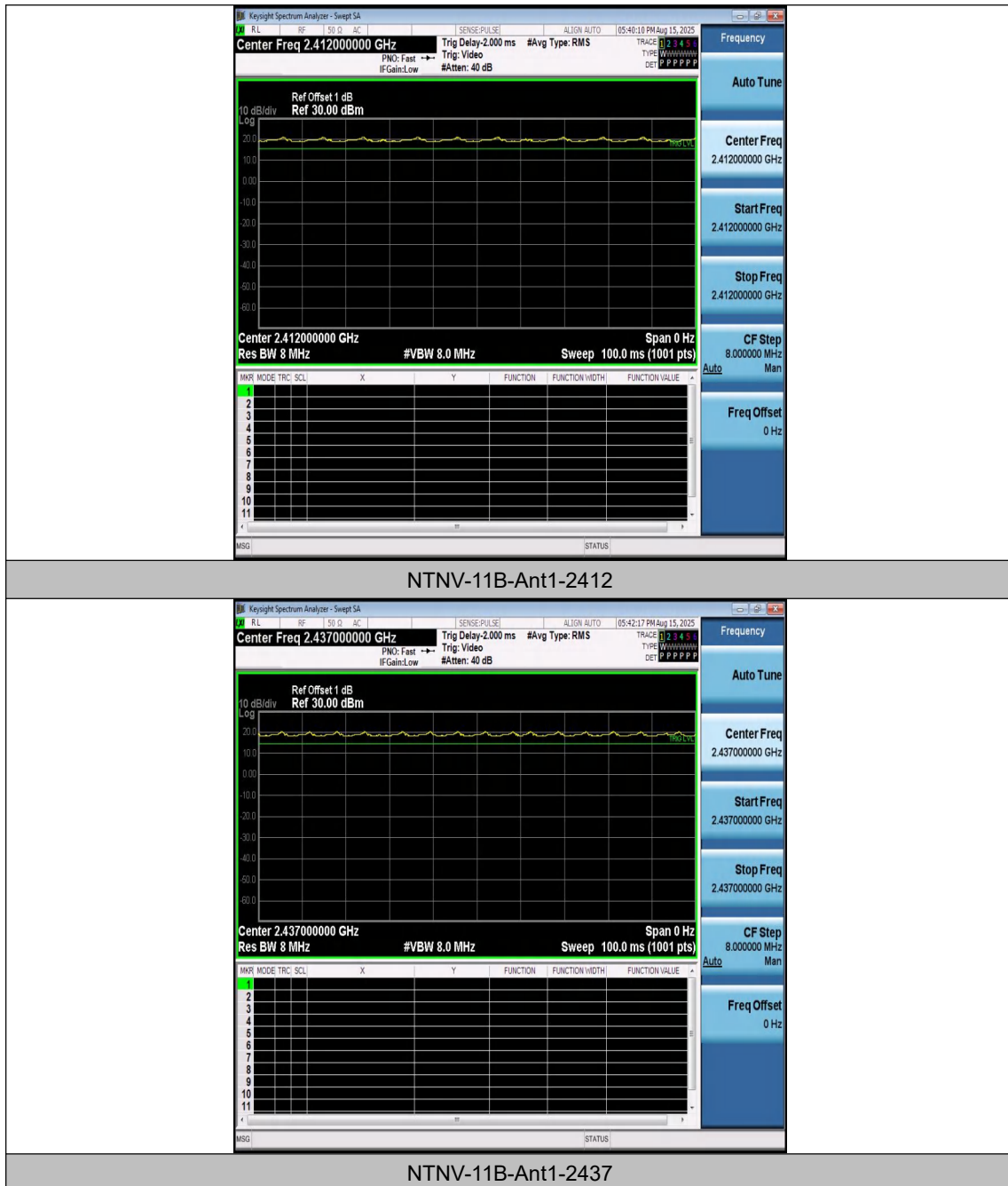
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00

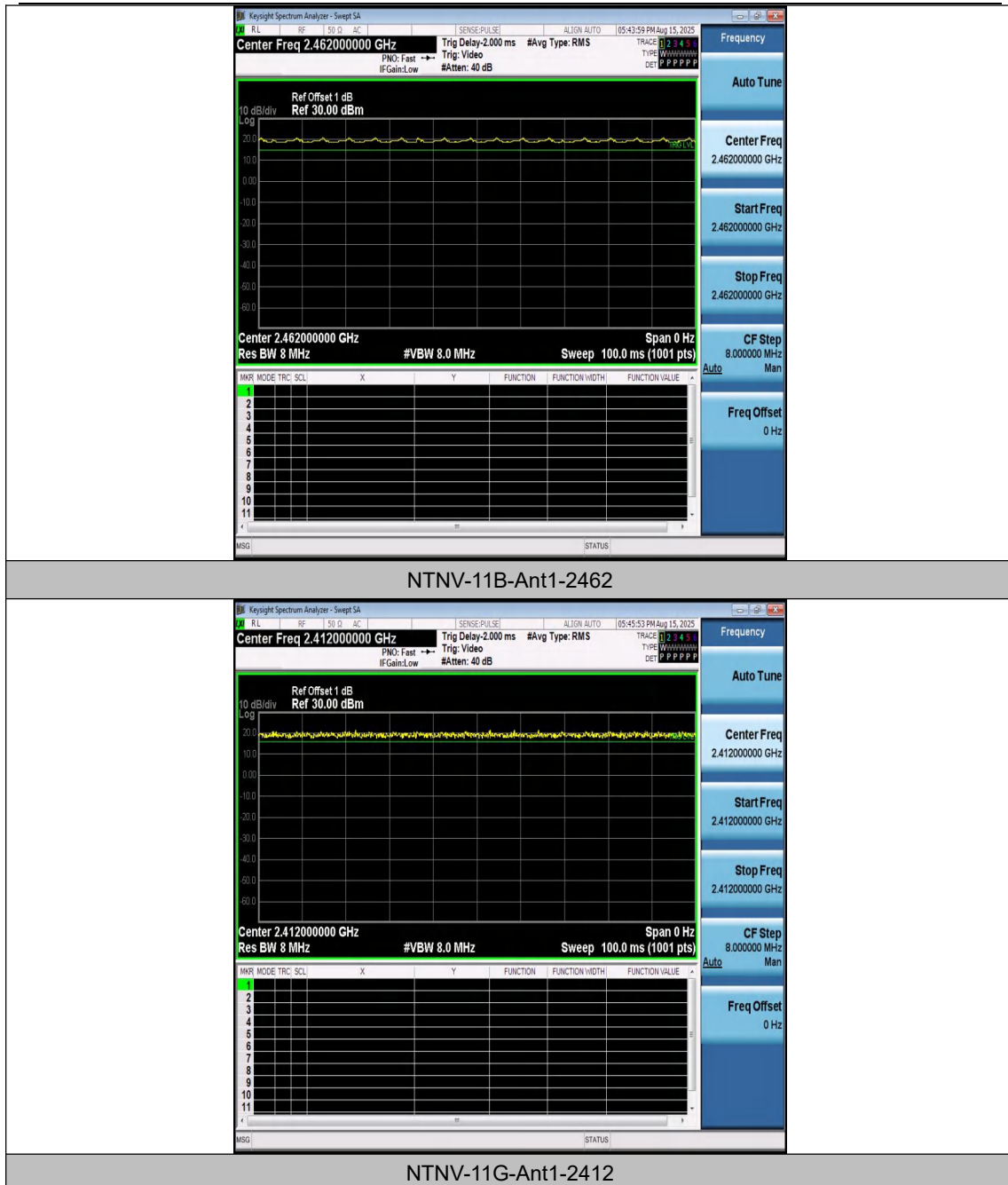
Test Graphs



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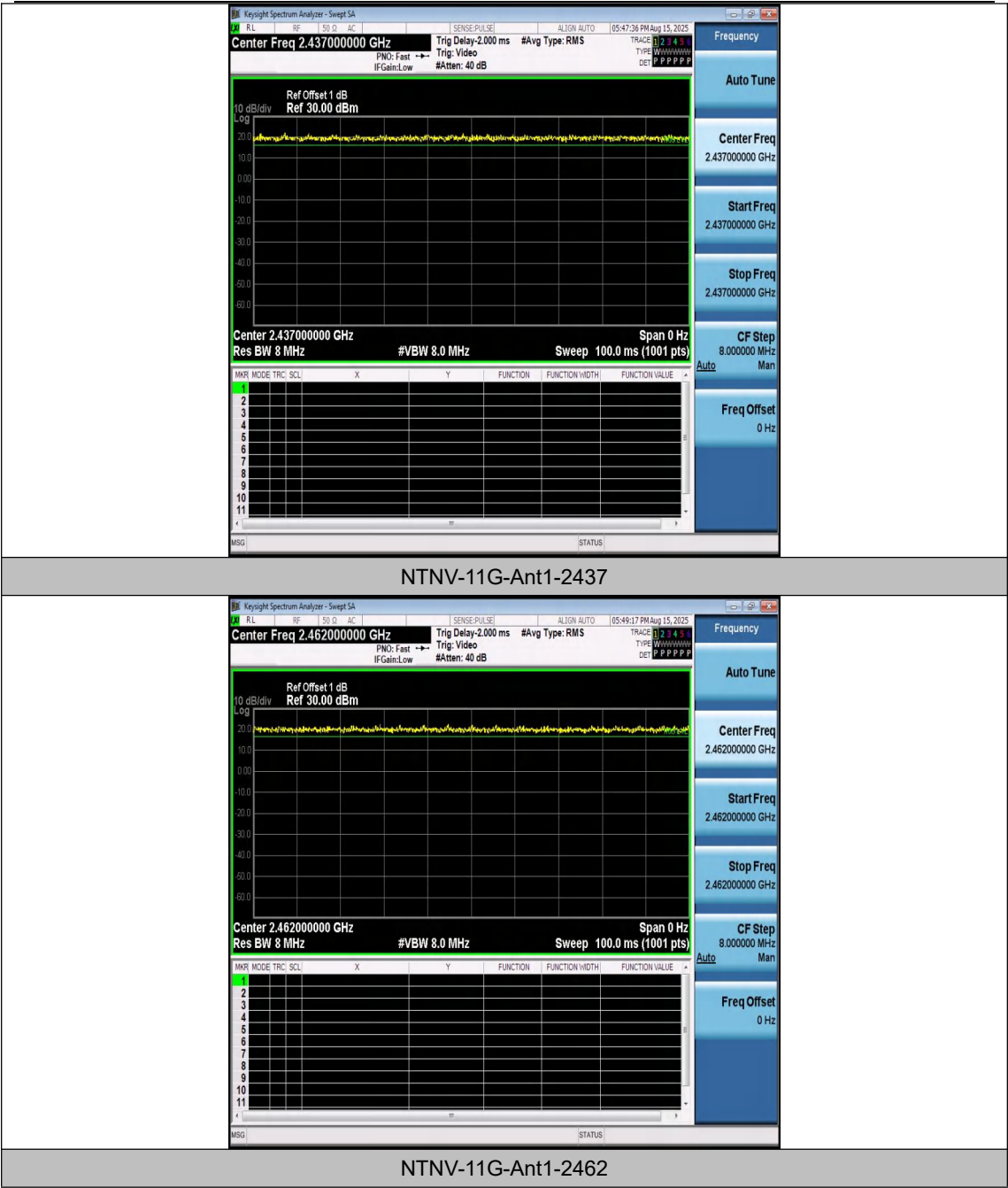
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