

Appendix Test Data

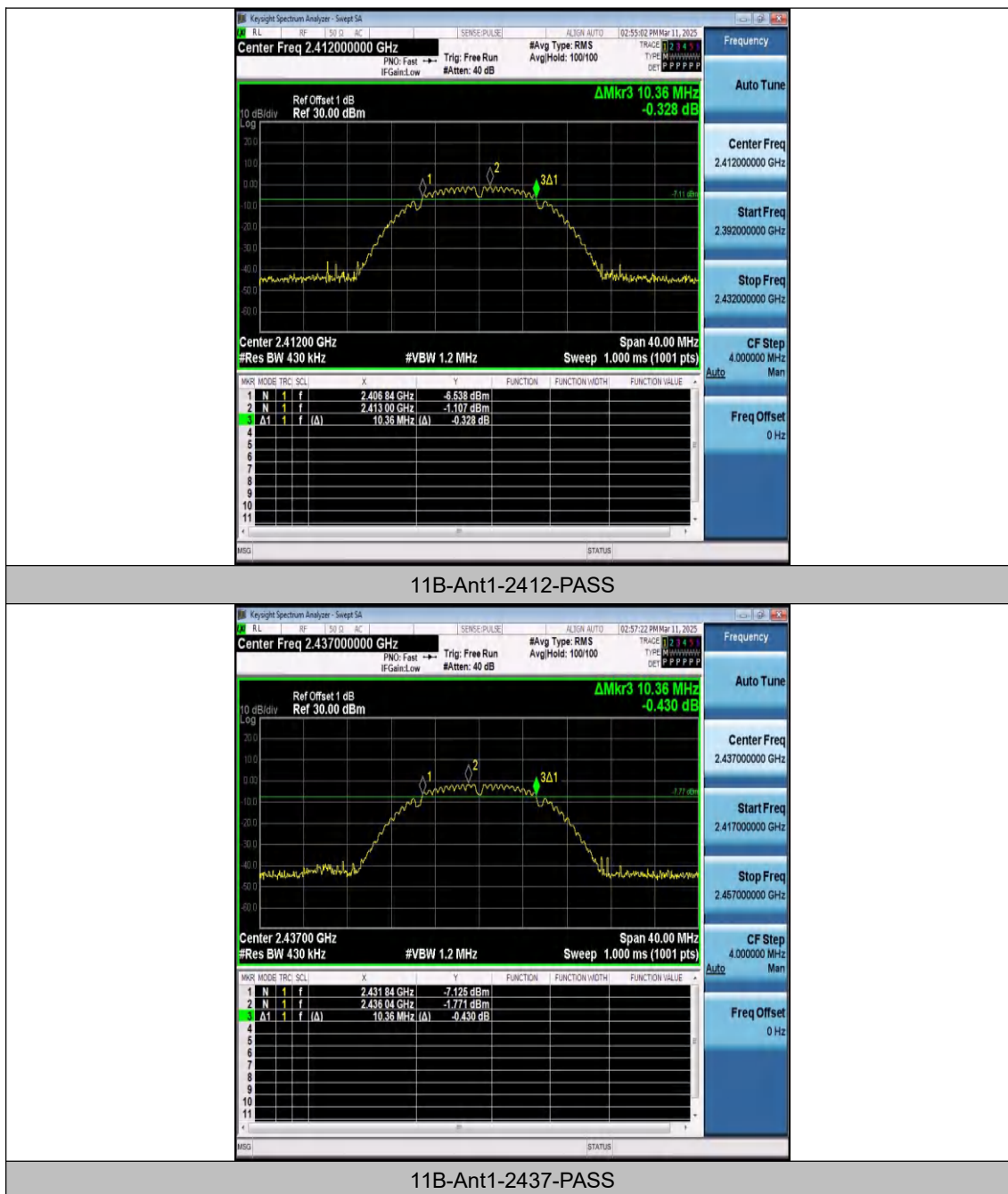
Report No.:	1812C50074912501	Test Sample No.:	1-2-2
Start Test Date:	2025.03.07	Finish Test Date:	2025.03.11
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.6°C	Relative Humidity:	45%
Pressure:	101kPa		

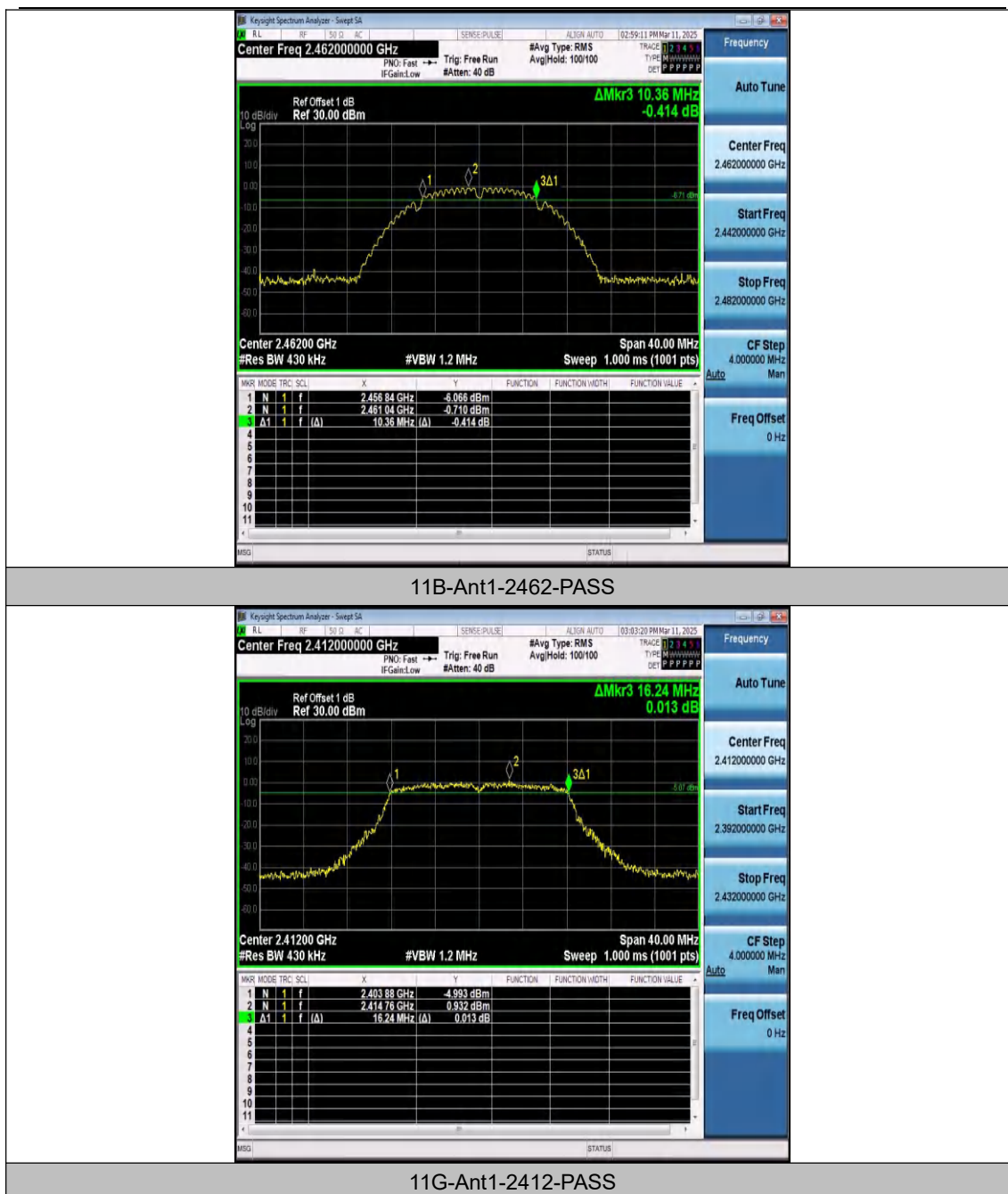
Appendix A: 6dB Bandwidth

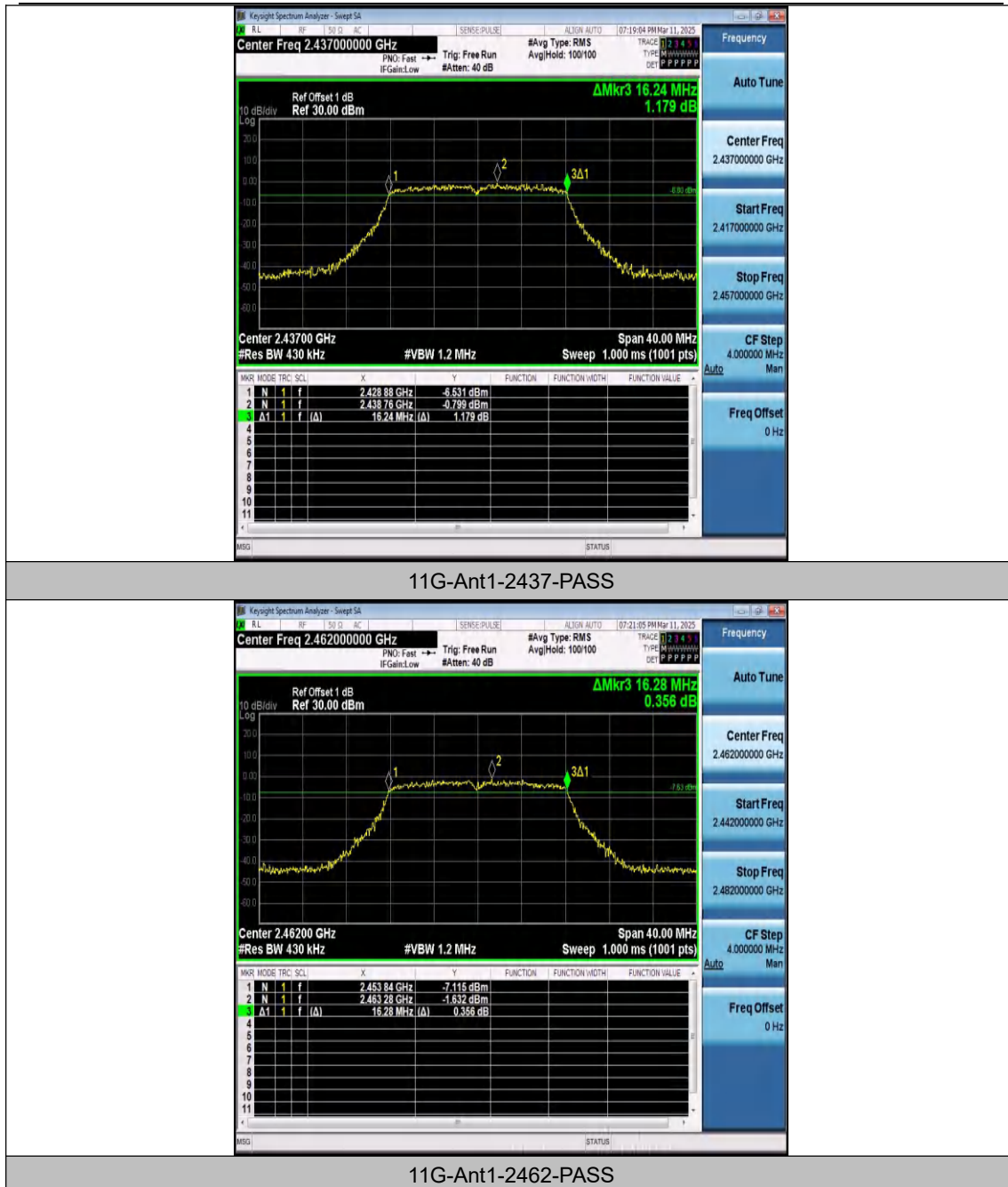
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.360	2406.840	2417.200	0.5	PASS
11B	Ant1	2437	10.360	2431.840	2442.200	0.5	PASS
11B	Ant1	2462	10.360	2456.840	2467.200	0.5	PASS
11G	Ant1	2412	16.240	2403.880	2420.120	0.5	PASS
11G	Ant1	2437	16.240	2428.880	2445.120	0.5	PASS
11G	Ant1	2462	16.280	2453.840	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.360	2420.640	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.400	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.280	2453.320	2470.600	0.5	PASS
11N40SISO	Ant1	2422	36.000	2404.080	2440.080	0.5	PASS
11N40SISO	Ant1	2437	35.680	2419.160	2454.840	0.5	PASS
11N40SISO	Ant1	2452	36.160	2434.000	2470.160	0.5	PASS

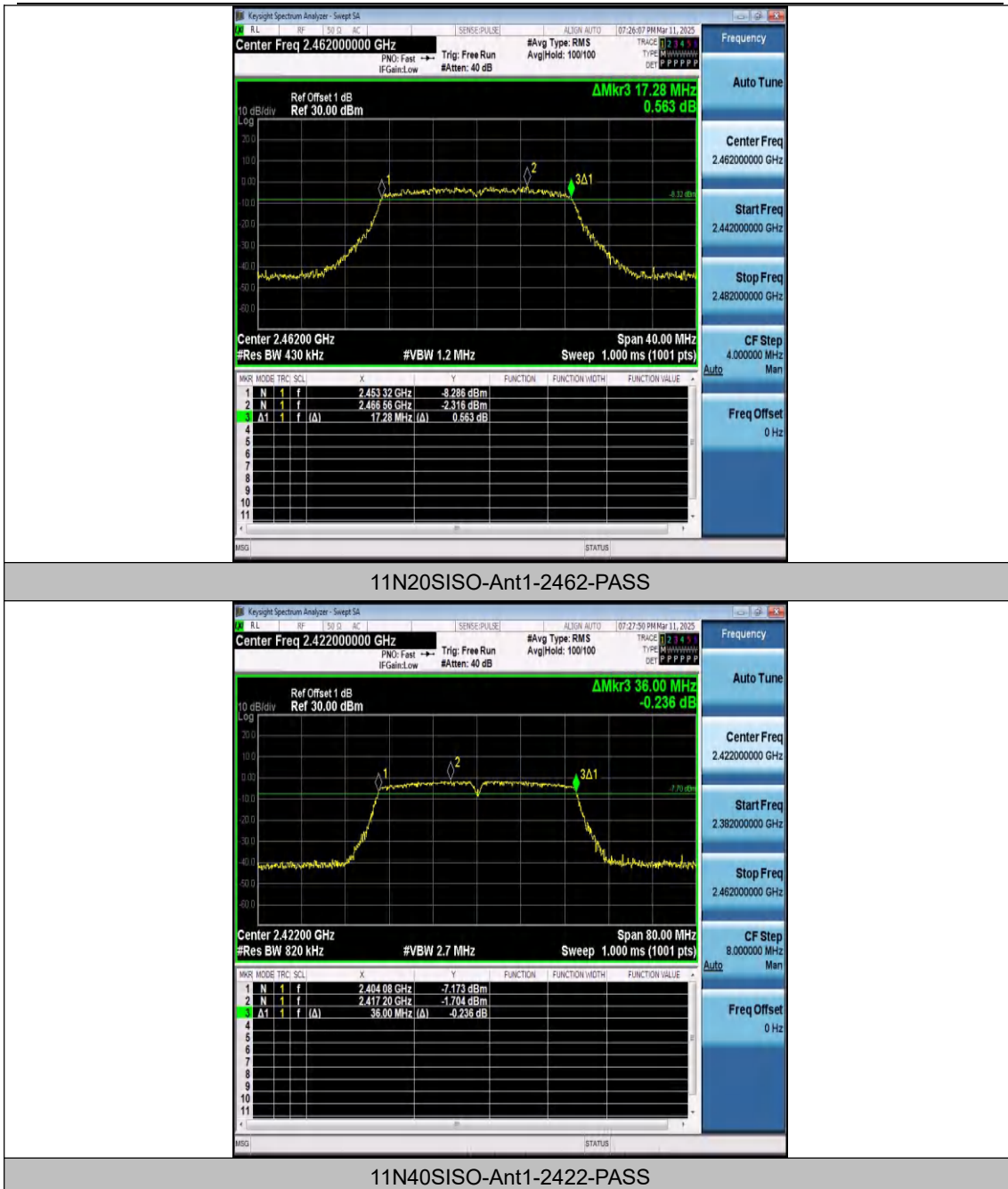
Test Graphs

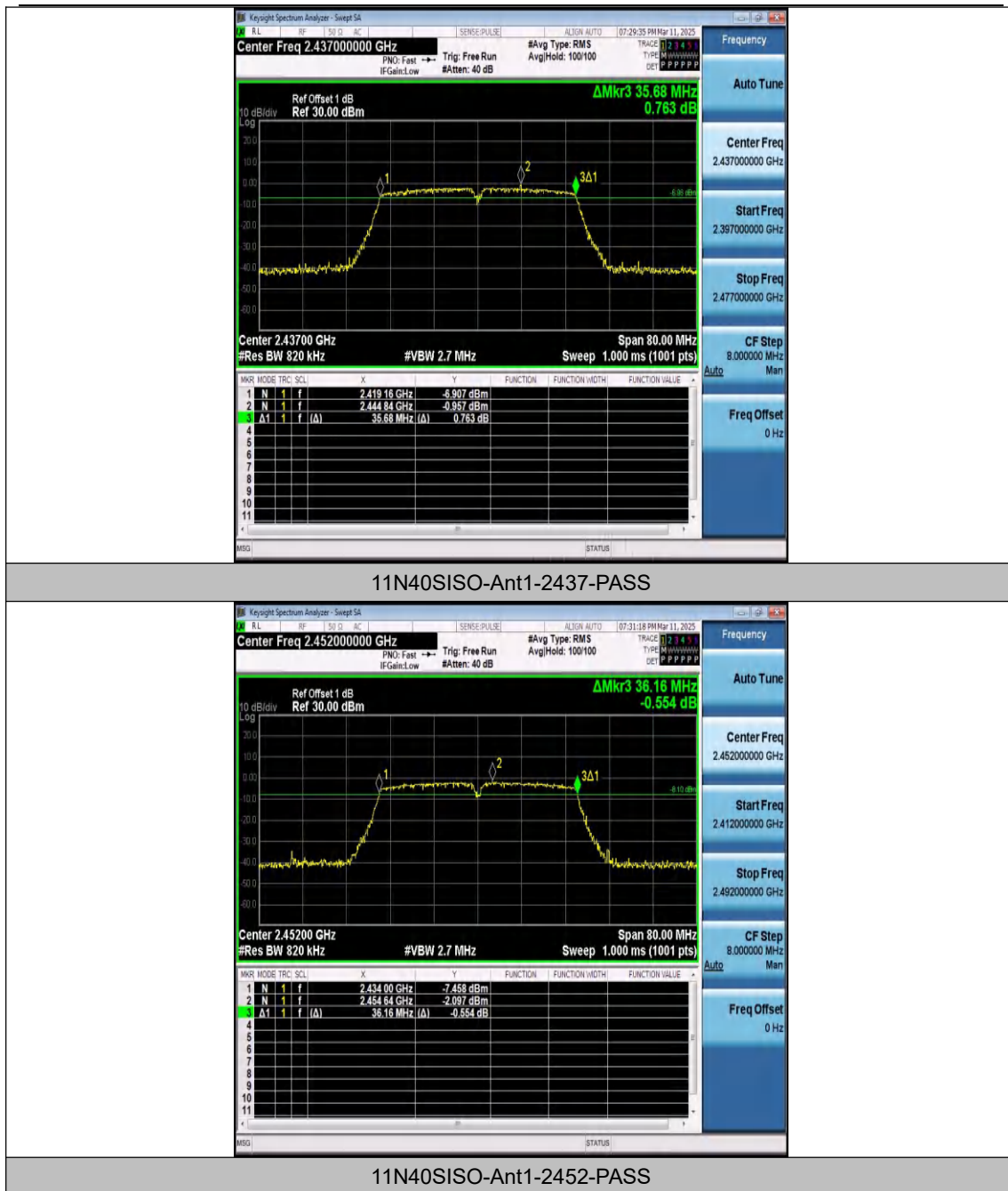










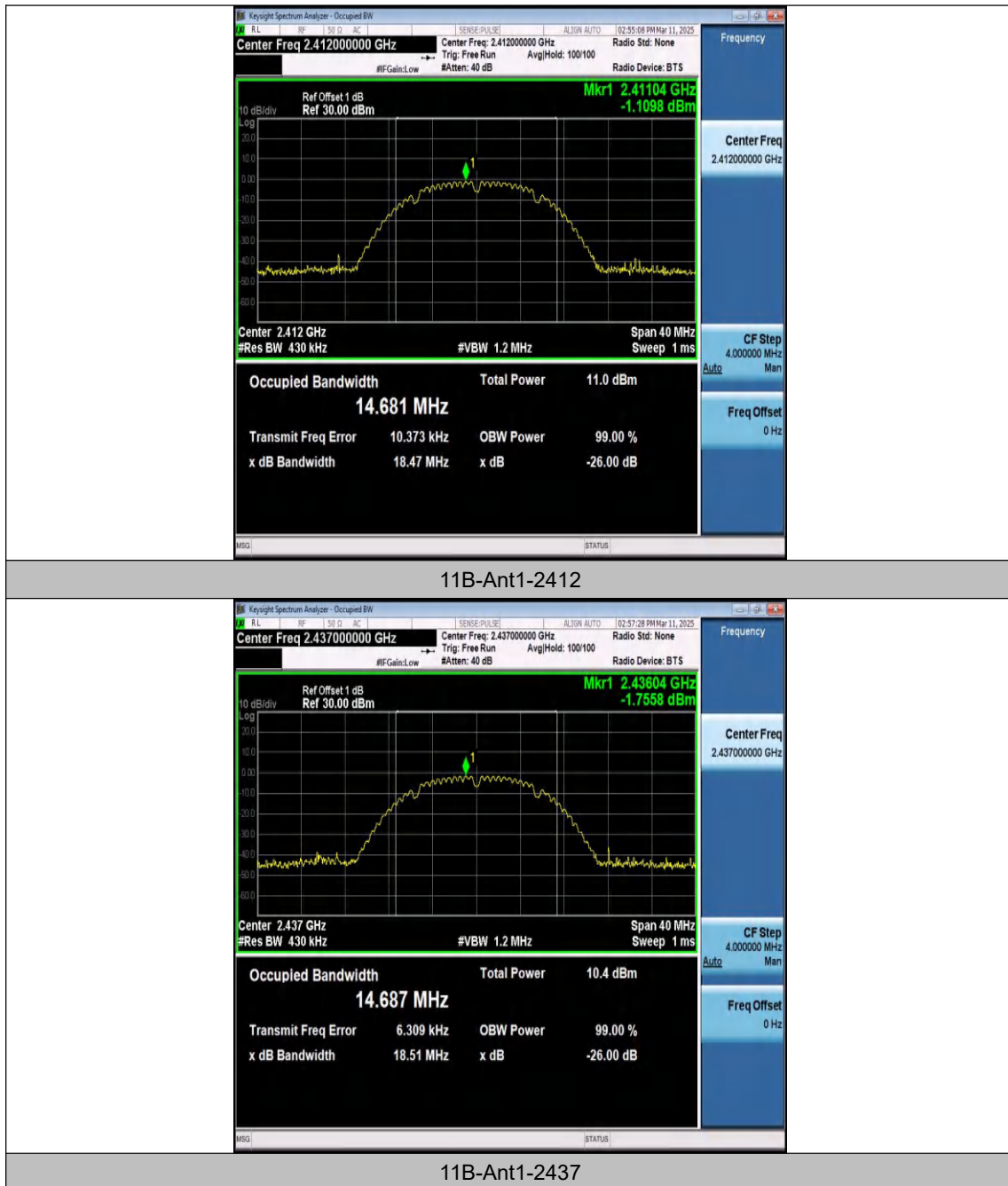


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.681	2404.6699	2419.3509	---	---
11B	Ant1	2437	14.687	2429.6628	2444.3498	---	---
11B	Ant1	2462	14.654	2454.6796	2469.3336	---	---
11G	Ant1	2412	16.758	2403.6818	2420.4398	---	---
11G	Ant1	2437	16.762	2428.6327	2445.3947	---	---
11G	Ant1	2462	16.686	2453.6797	2470.3657	---	---
11N20SISO	Ant1	2412	17.778	2403.1387	2420.9167	---	---
11N20SISO	Ant1	2437	17.795	2428.1403	2445.9353	---	---
11N20SISO	Ant1	2462	17.786	2453.1293	2470.9153	---	---
11N40SISO	Ant1	2422	36.275	2403.9380	2440.2130	---	---
11N40SISO	Ant1	2437	36.209	2418.9609	2455.1699	---	---
11N40SISO	Ant1	2452	36.123	2434.0059	2470.1289	---	---

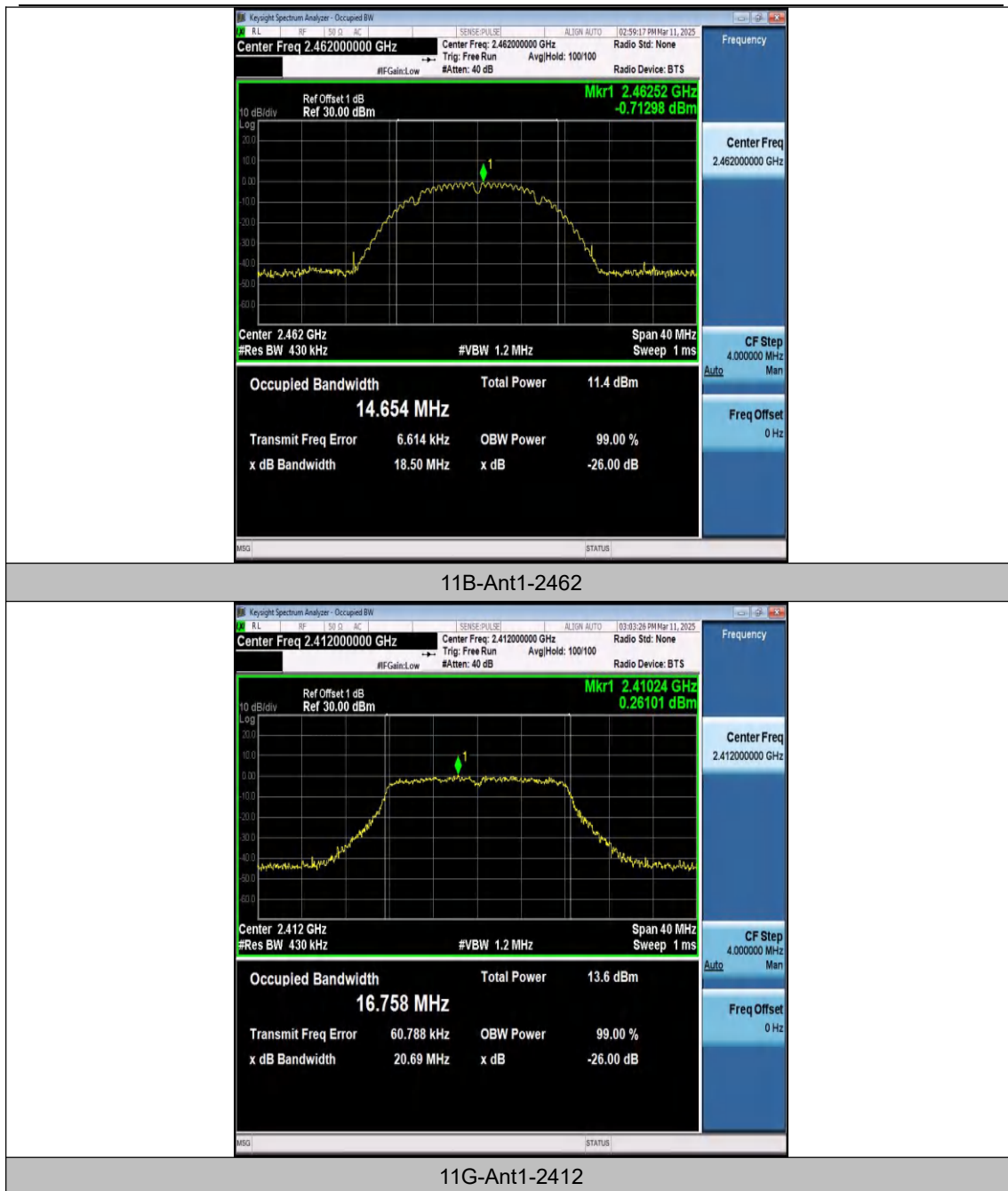
Test Graphs

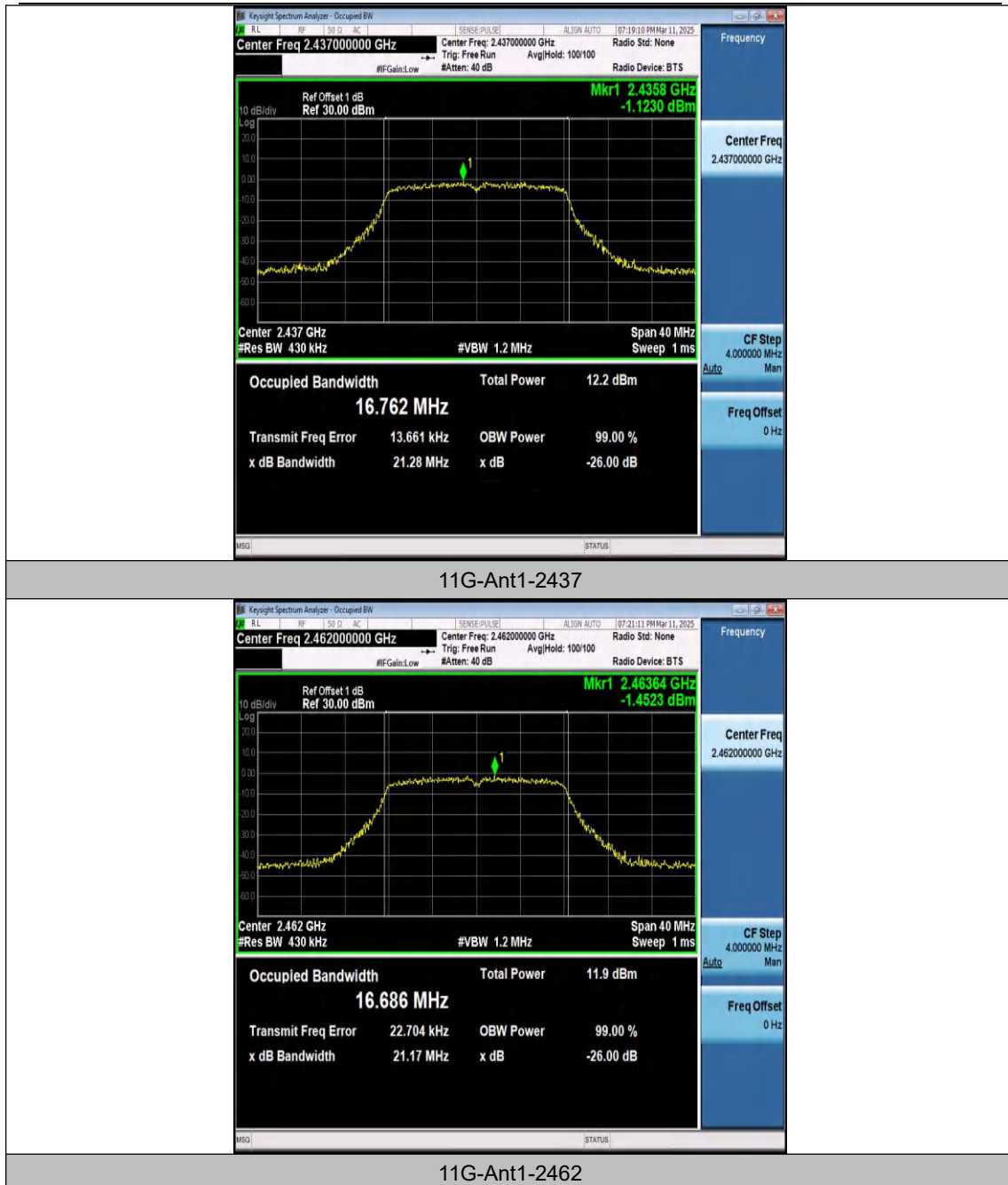


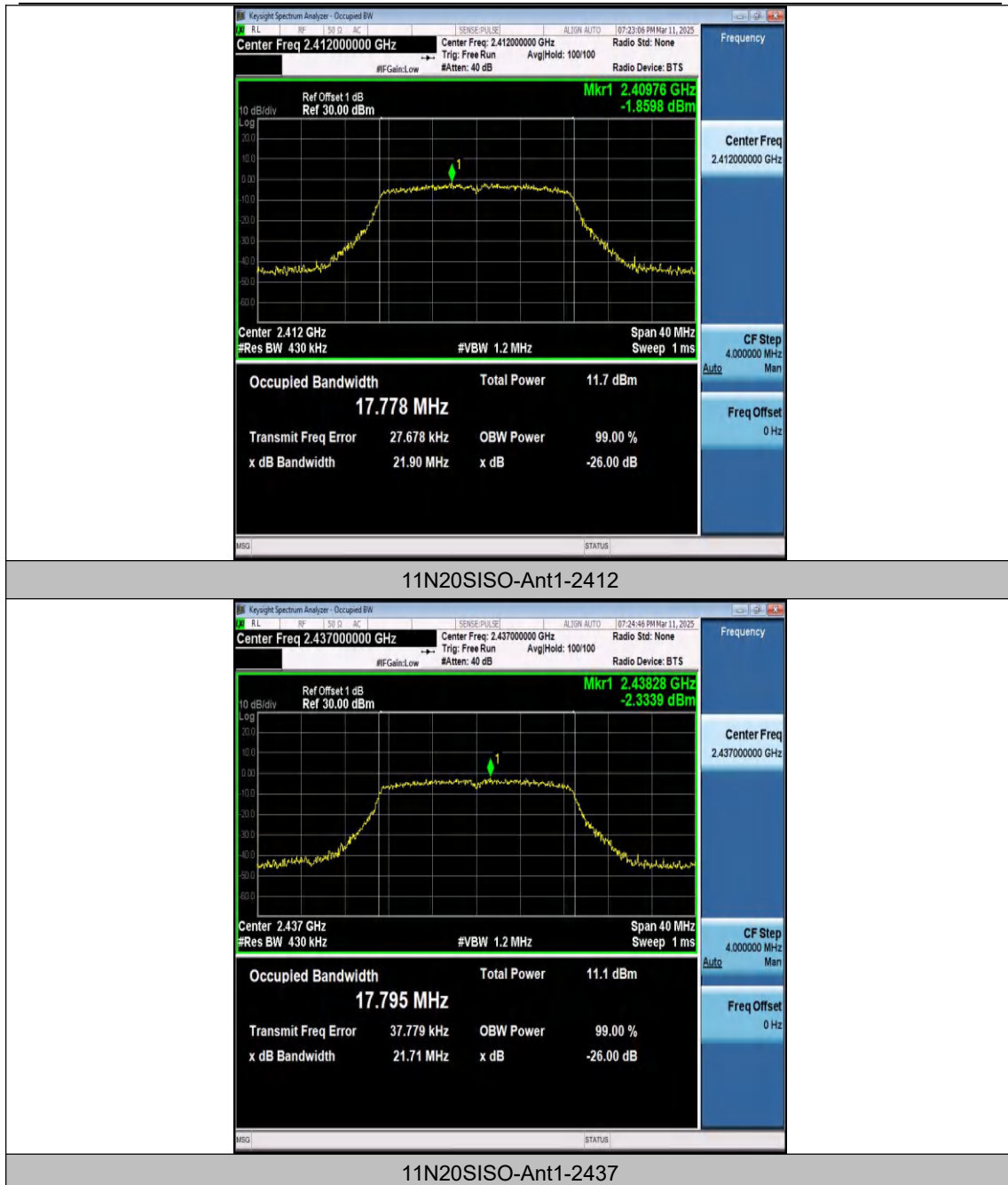
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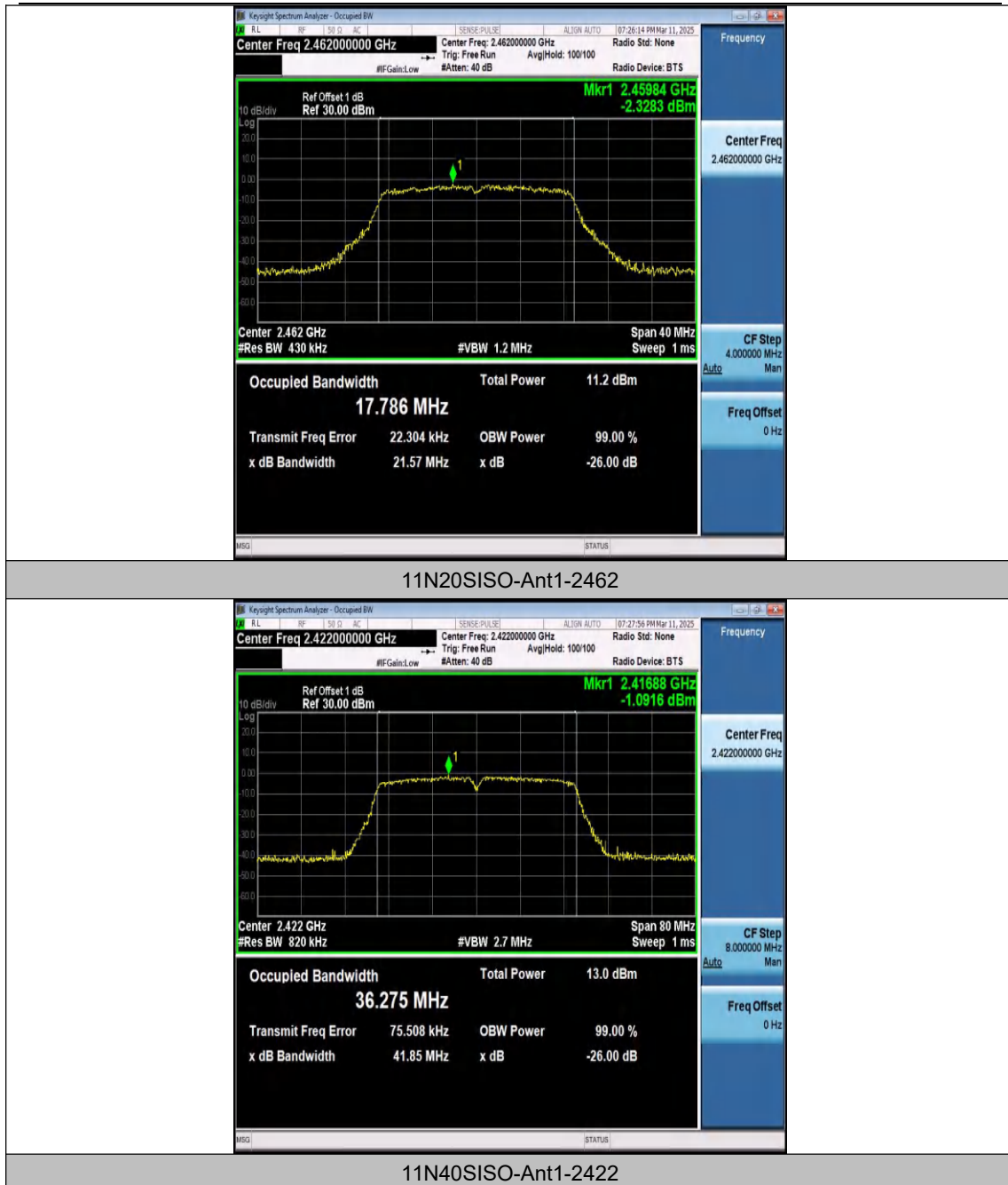
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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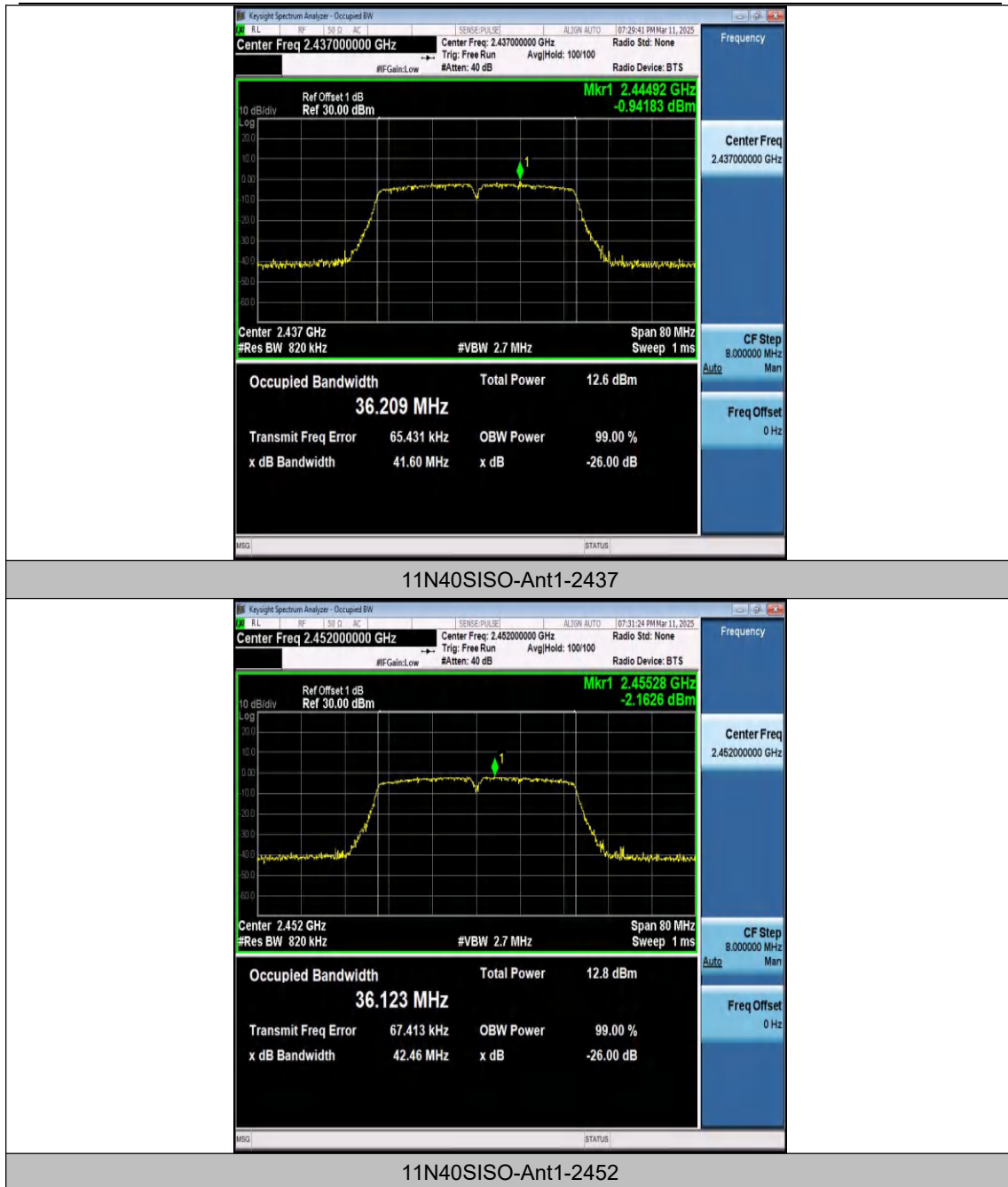
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Appendix C: Maximum conducted output power

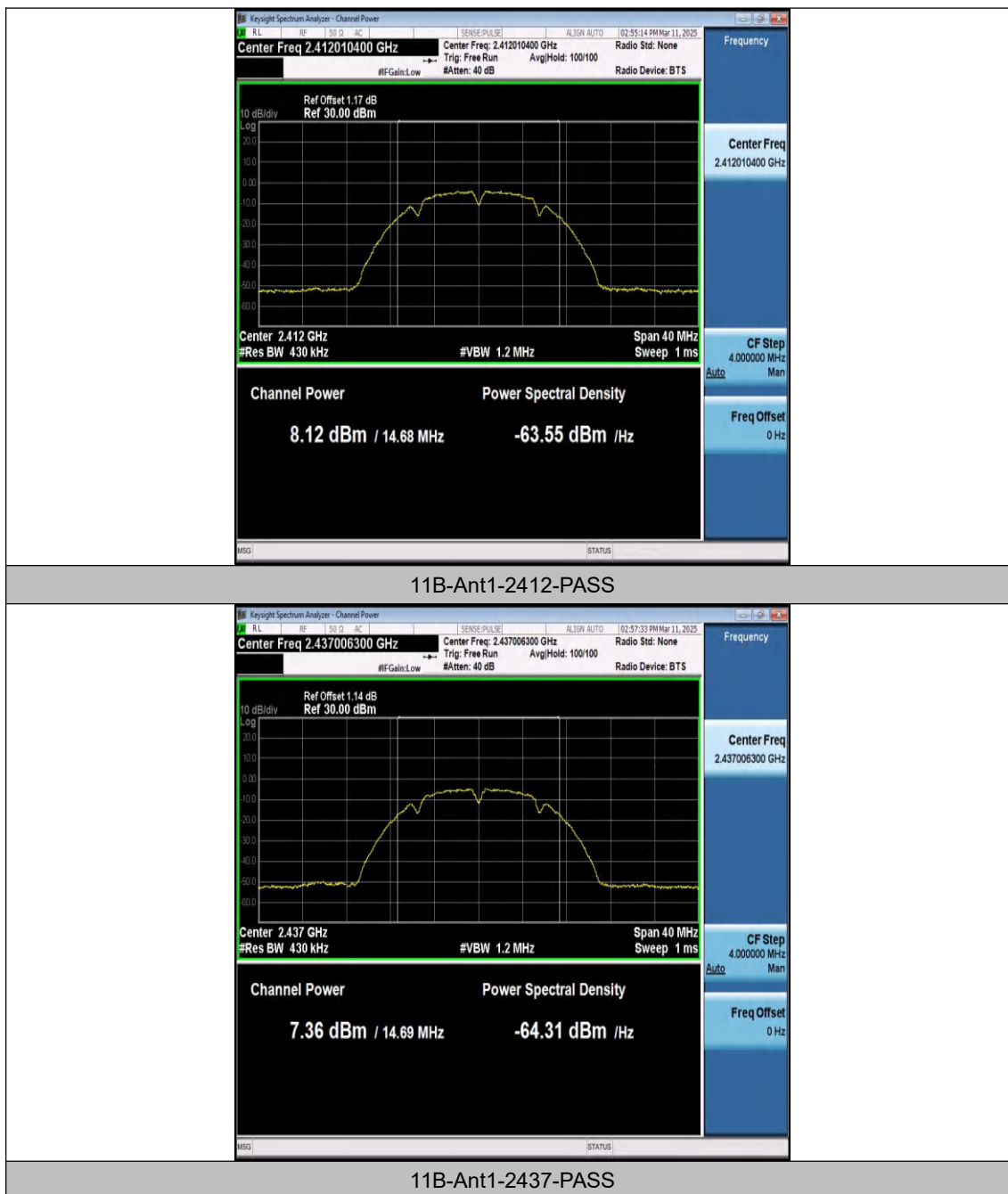
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.95	96.13	0.17	8.12	≤30.00	PASS
11B	Ant1	2437	7.22	96.80	0.14	7.36	≤30.00	PASS
11B	Ant1	2462	8.36	96.80	0.14	8.50	≤30.00	PASS
11G	Ant1	2412	7.28	90.39	0.44	7.72	≤30.00	PASS
11G	Ant1	2437	5.75	89.57	0.48	6.23	≤30.00	PASS
11G	Ant1	2462	5.53	88.21	0.54	6.07	≤30.00	PASS
11N20SISO	Ant1	2412	5.38	89.15	0.50	5.88	≤30.00	PASS
11N20SISO	Ant1	2437	4.80	89.15	0.50	5.30	≤30.00	PASS
11N20SISO	Ant1	2462	5.02	89.15	0.50	5.52	≤30.00	PASS
11N40SISO	Ant1	2422	5.49	81.20	0.90	6.39	≤30.00	PASS
11N40SISO	Ant1	2437	5.09	80.34	0.95	6.04	≤30.00	PASS
11N40SISO	Ant1	2452	5.09	79.65	0.99	6.08	≤30.00	PASS

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



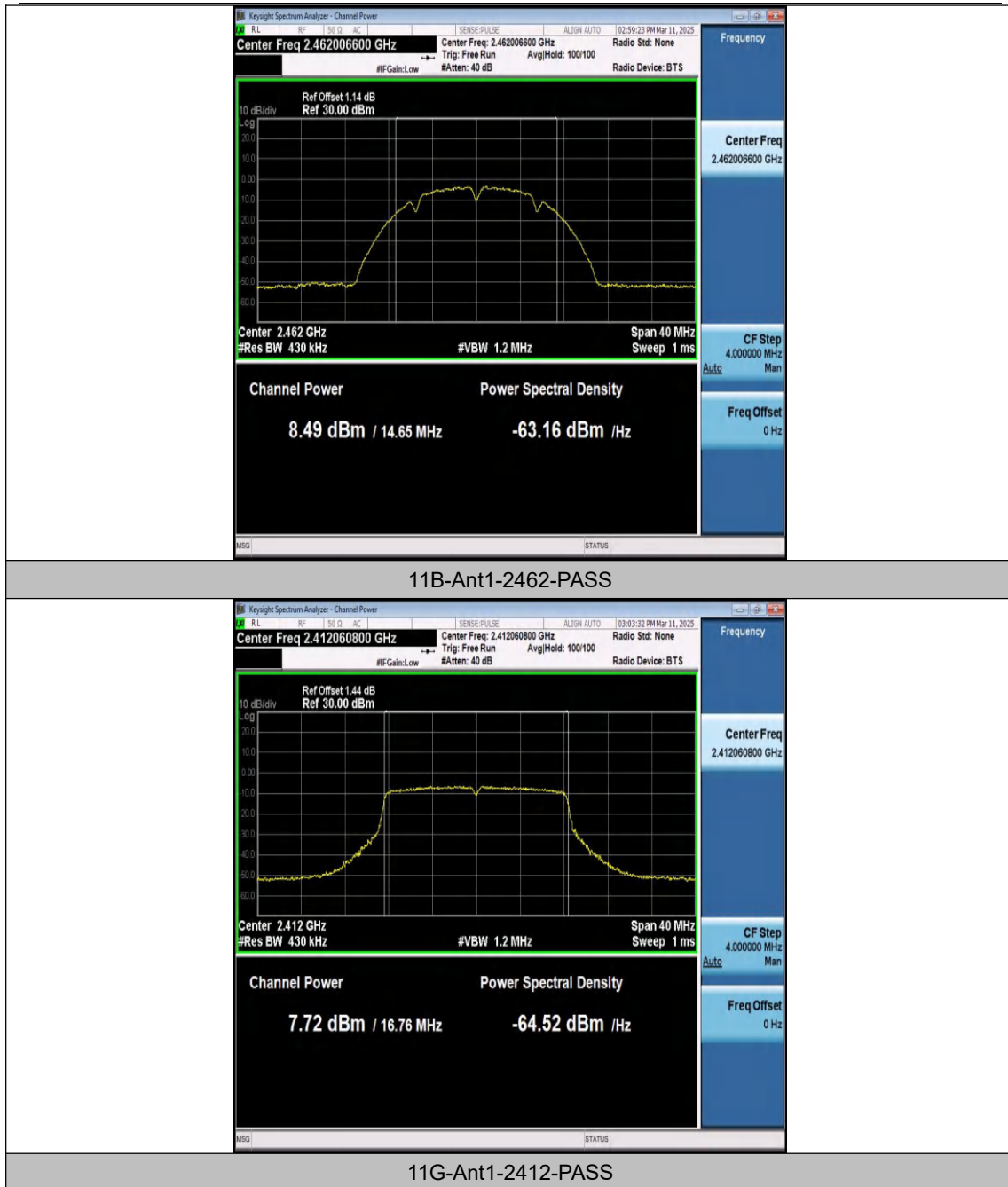
Test Graphs Average

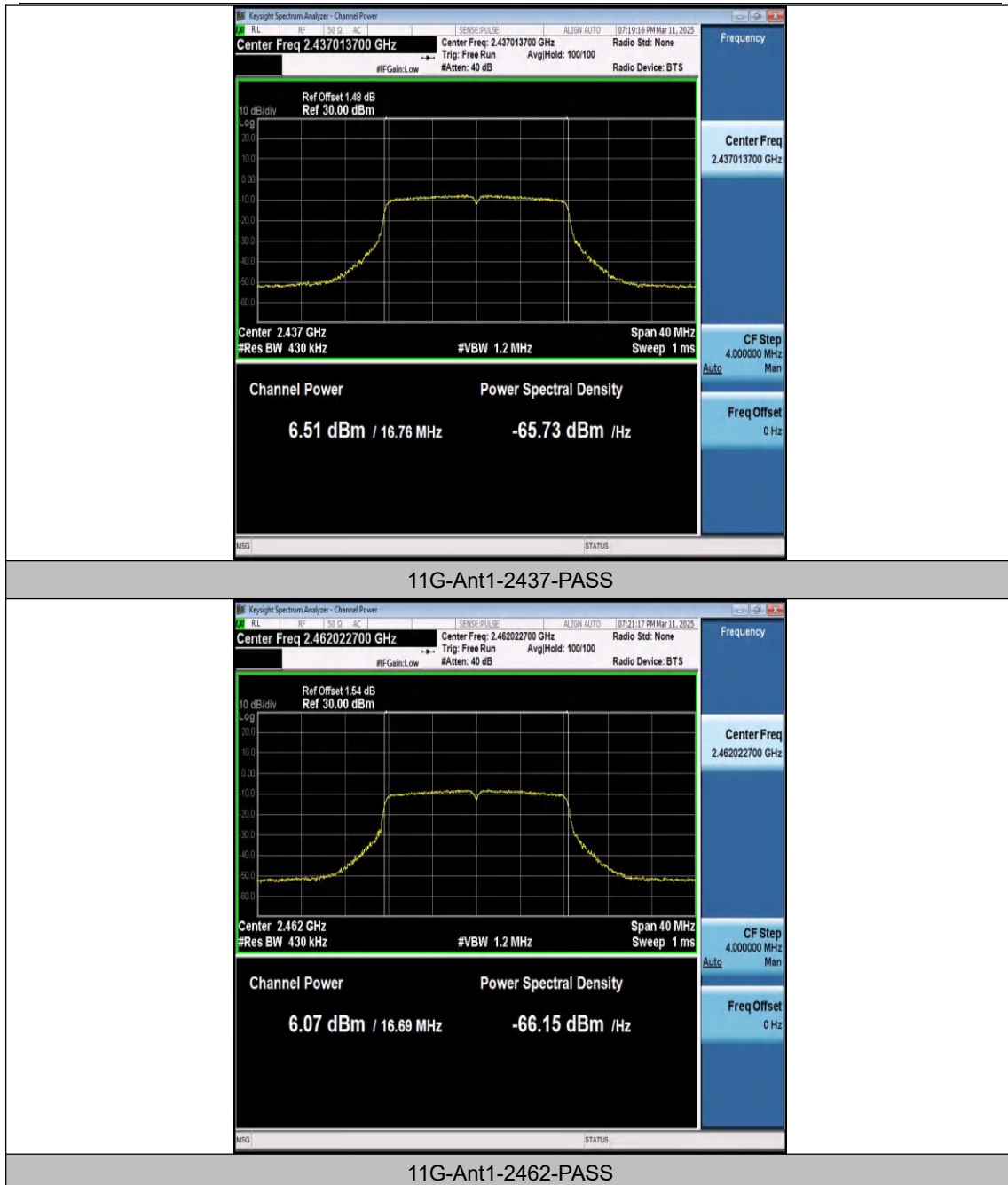


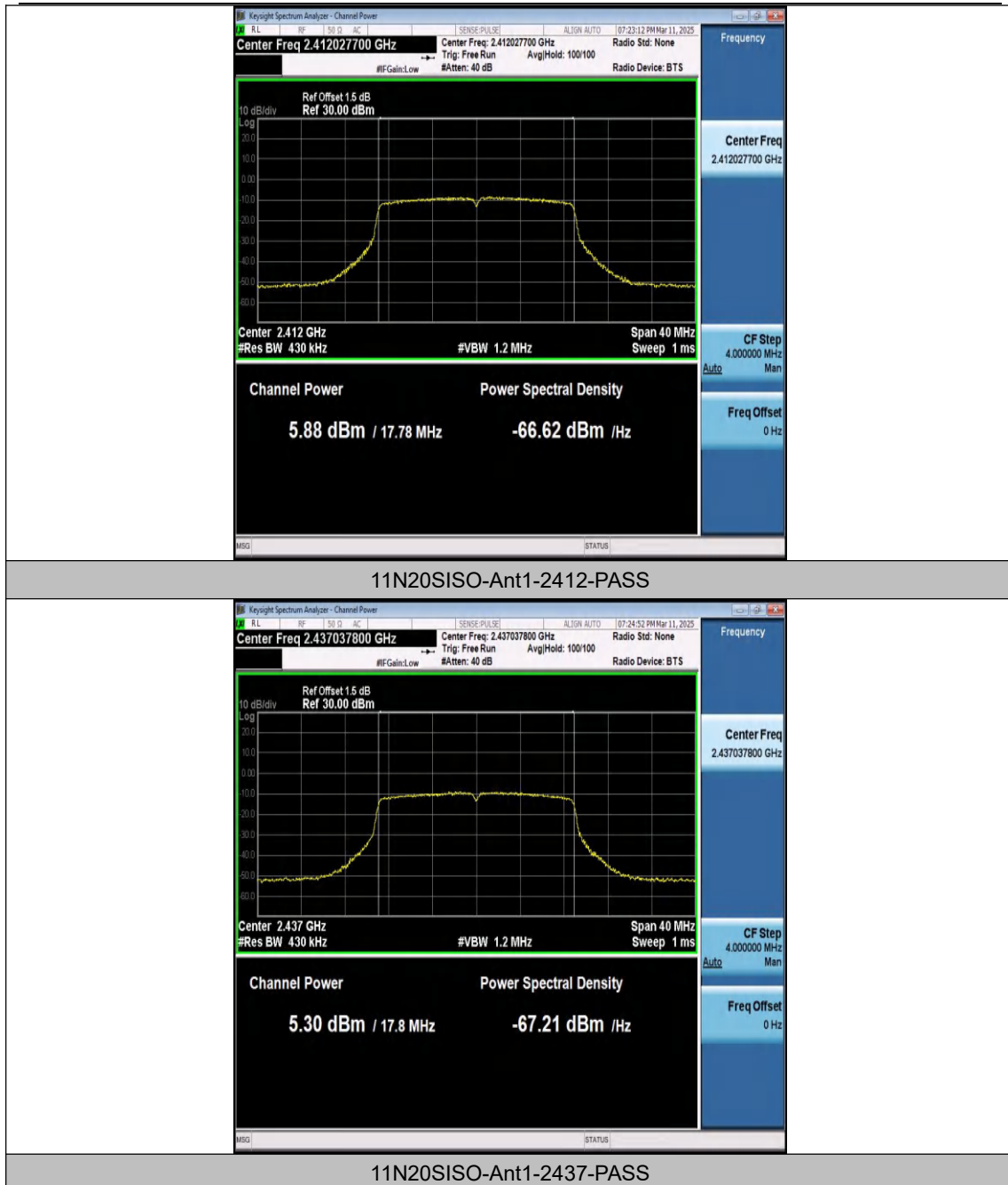
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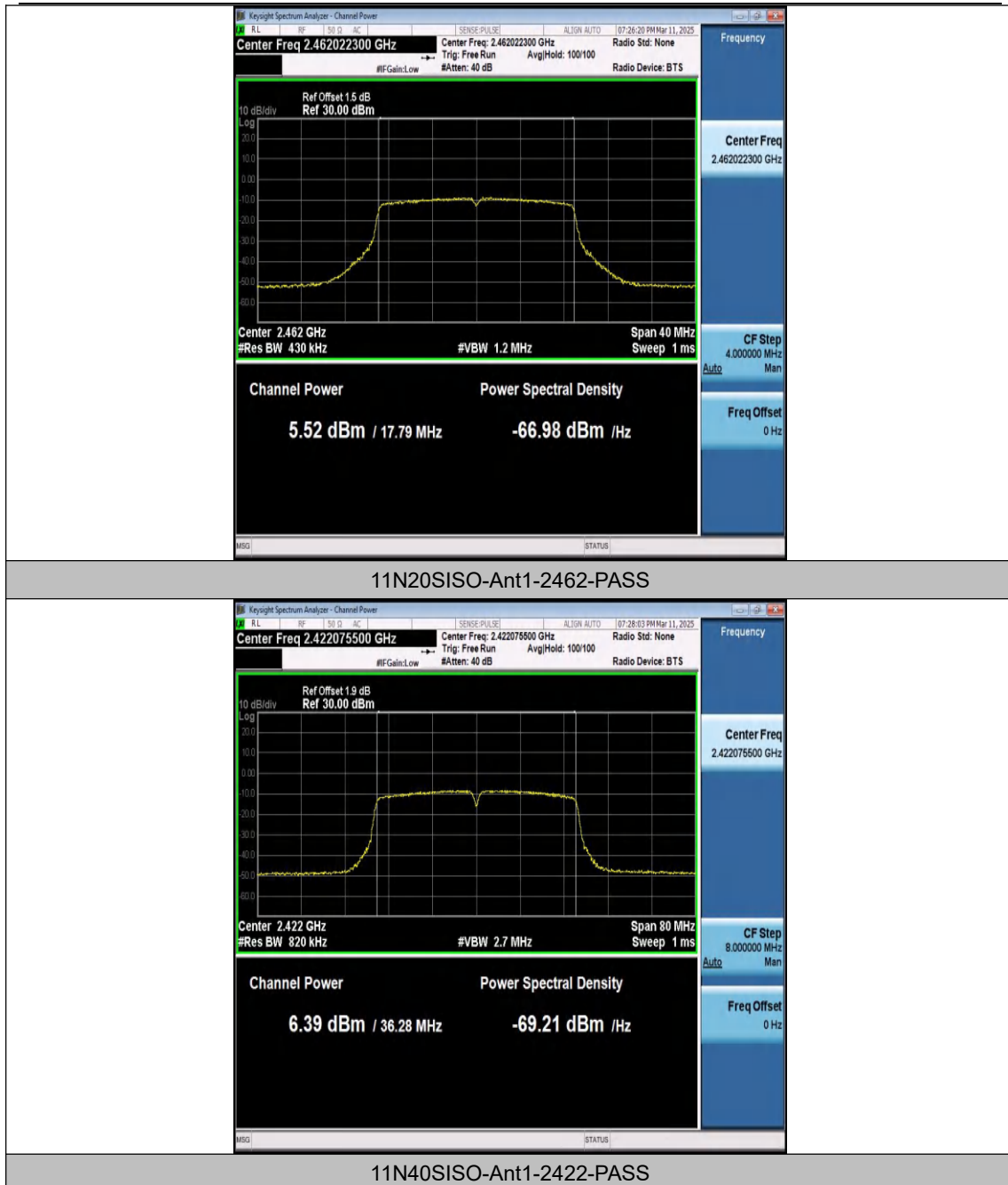
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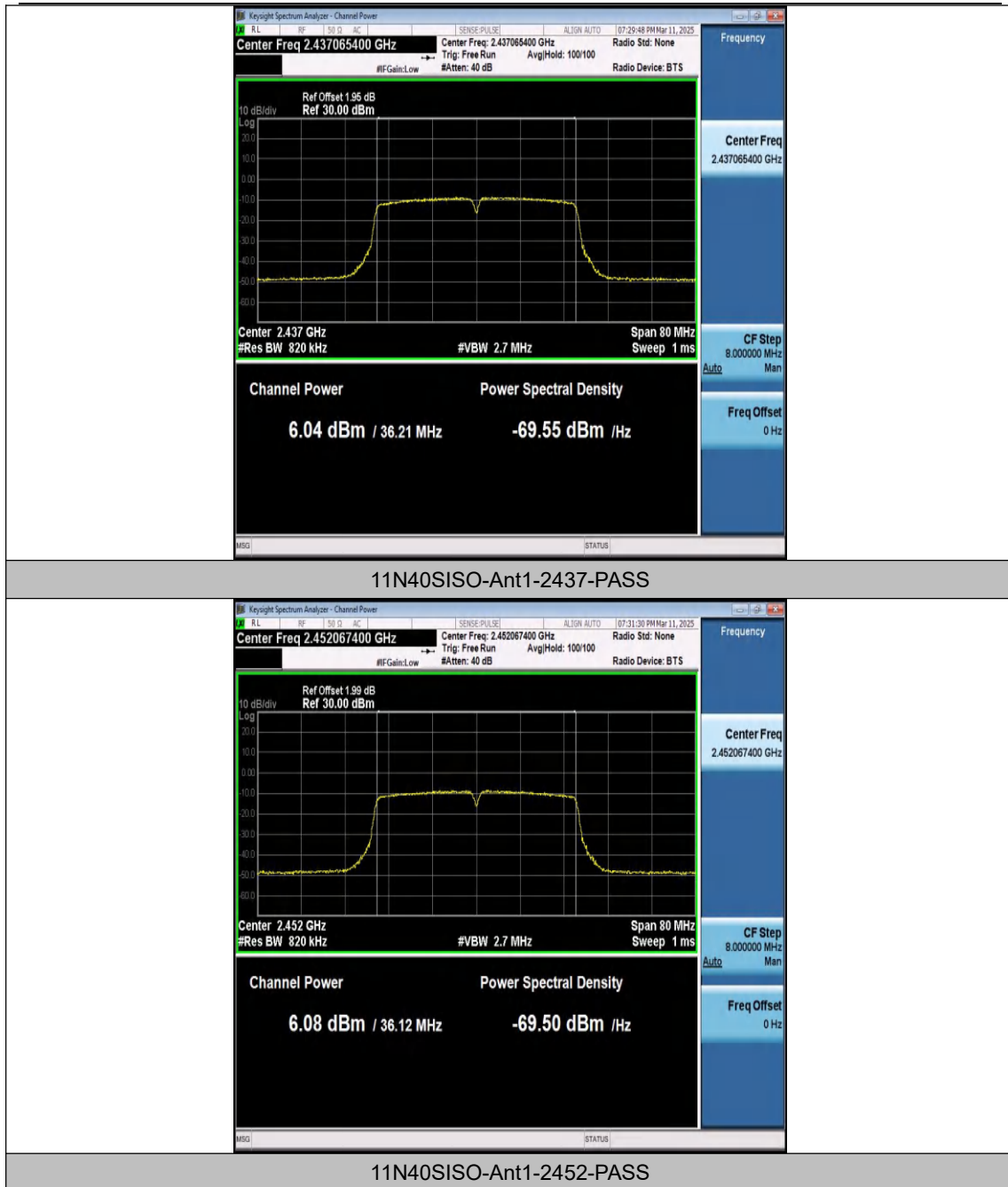
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Appendix D: Maximum power spectral density

Test Result

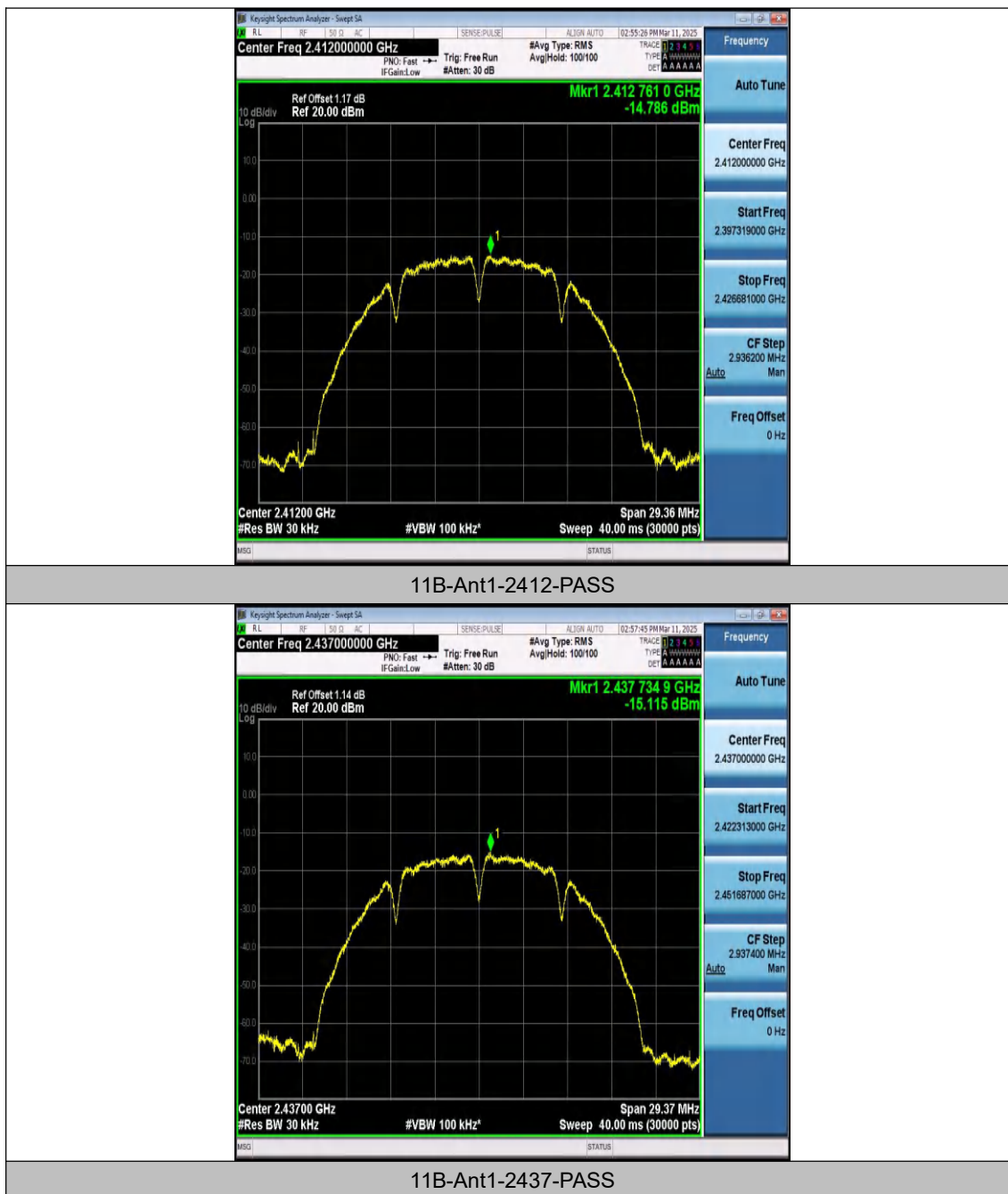
Test Mode	Antenna	Frequency[MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-14.79	-24.79	≤8.00	PASS
11B	Ant1	2437	-15.12	-25.12	≤8.00	PASS
11B	Ant1	2462	-14.19	-24.19	≤8.00	PASS
11G	Ant1	2412	-16.00	-26	≤8.00	PASS
11G	Ant1	2437	-16.11	-26.11	≤8.00	PASS
11G	Ant1	2462	-17.32	-27.32	≤8.00	PASS
11N20SISO	Ant1	2412	-18.48	-28.48	≤8.00	PASS
11N20SISO	Ant1	2437	-18.37	-28.37	≤8.00	PASS
11N20SISO	Ant1	2462	-18.39	-28.39	≤8.00	PASS
11N40SISO	Ant1	2422	-19.81	-29.81	≤8.00	PASS
11N40SISO	Ant1	2437	-20.56	-30.56	≤8.00	PASS
11N40SISO	Ant1	2452	-20.50	-30.5	≤8.00	PASS

Note:

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



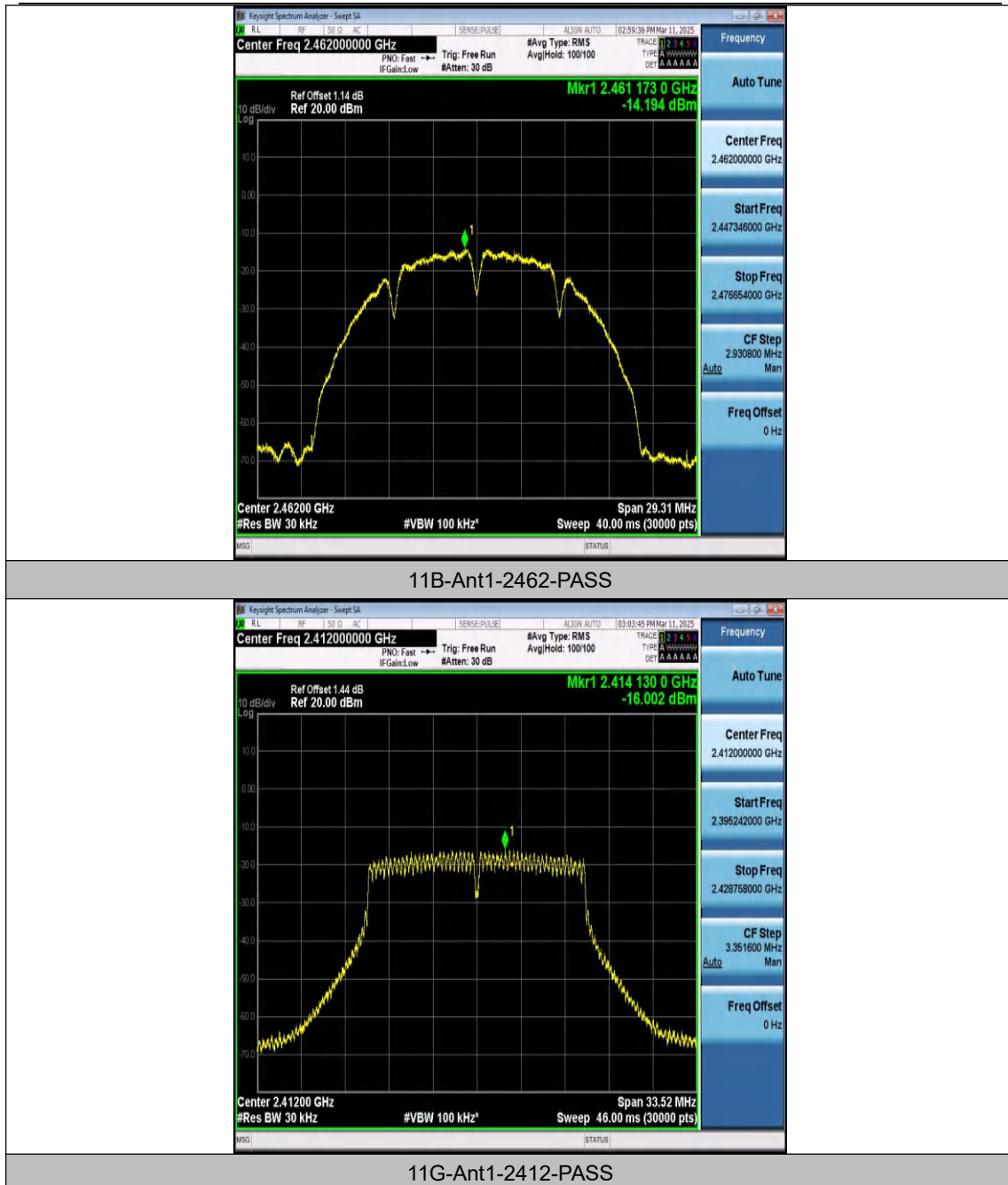
Test Graphs



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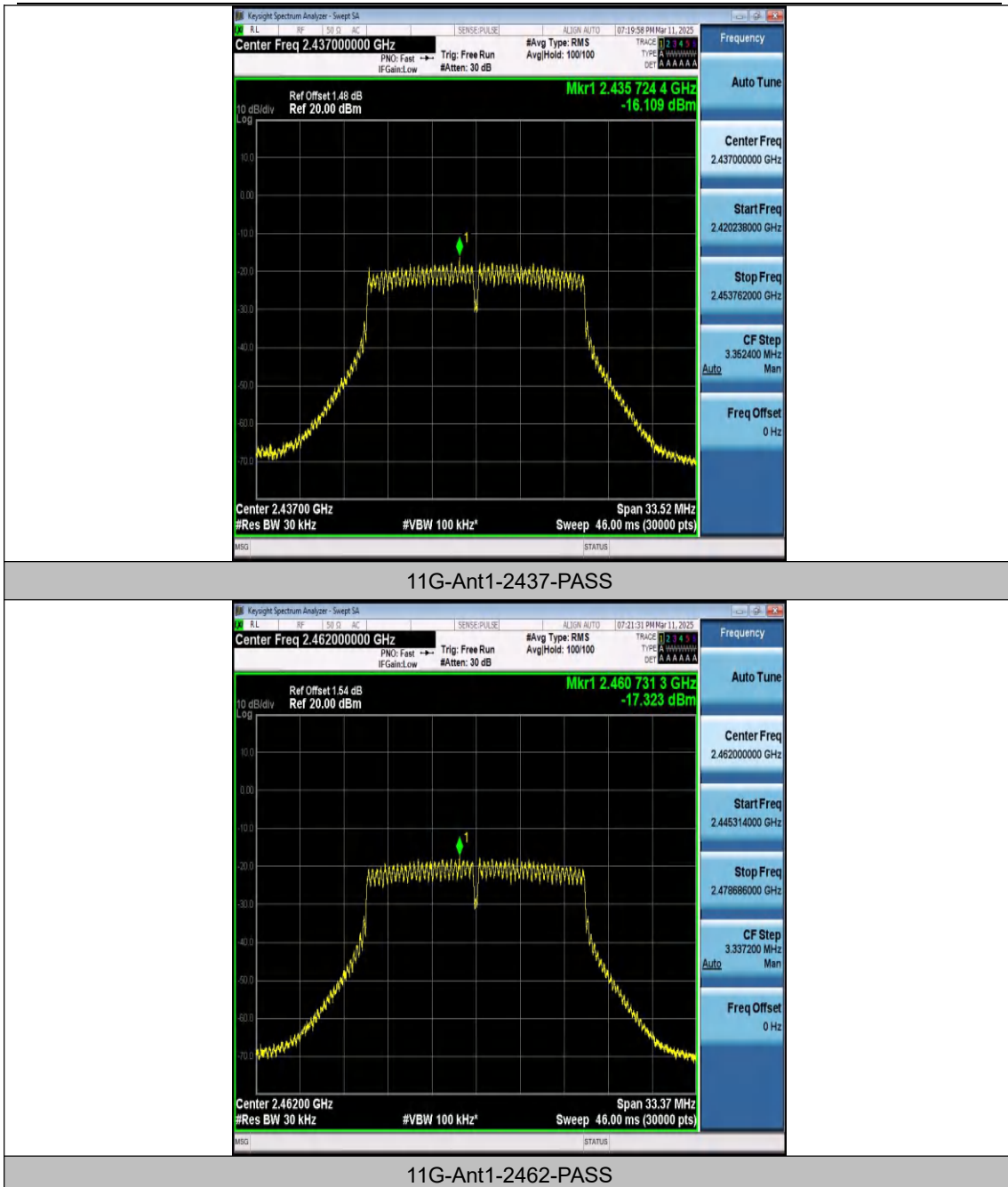


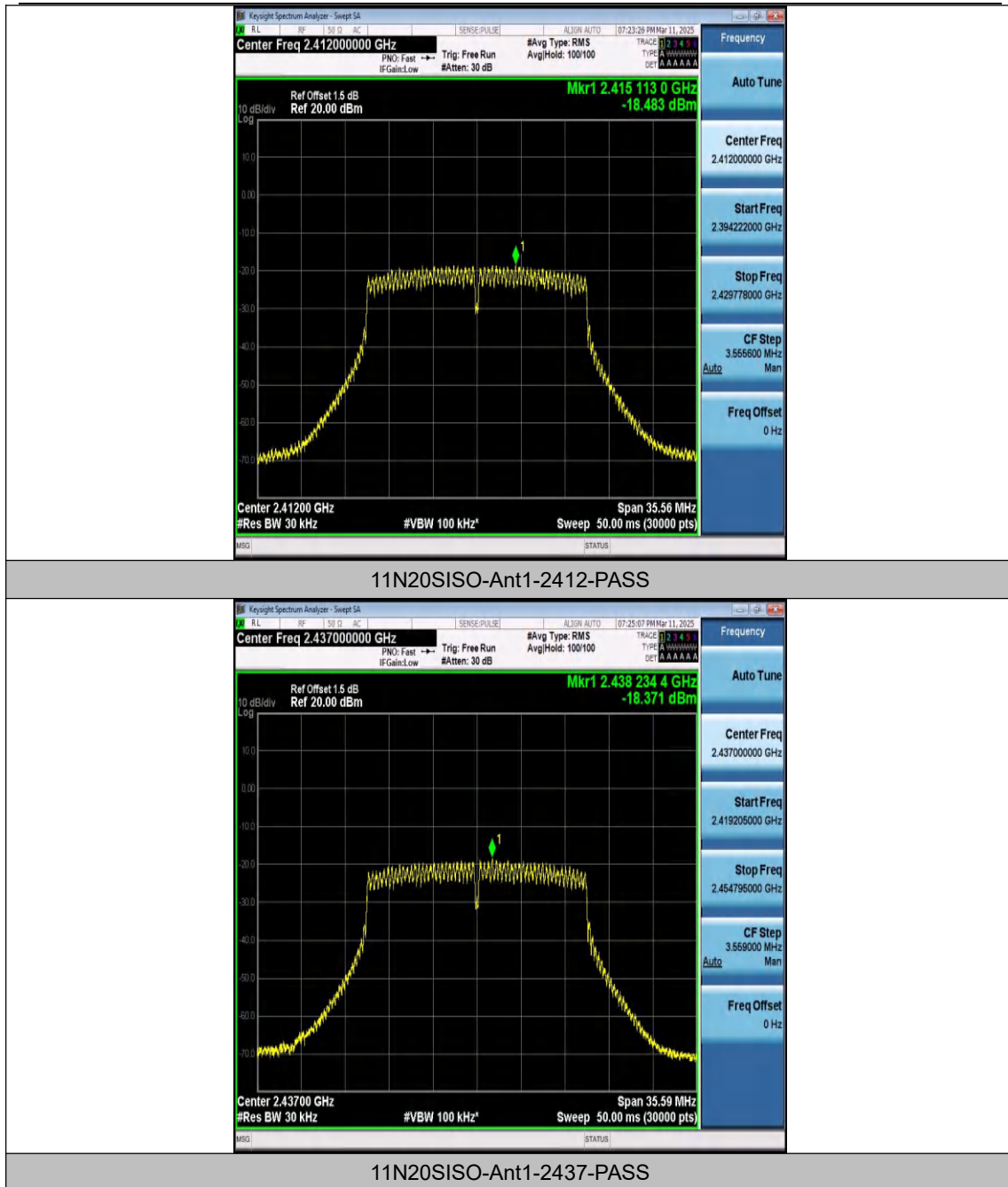
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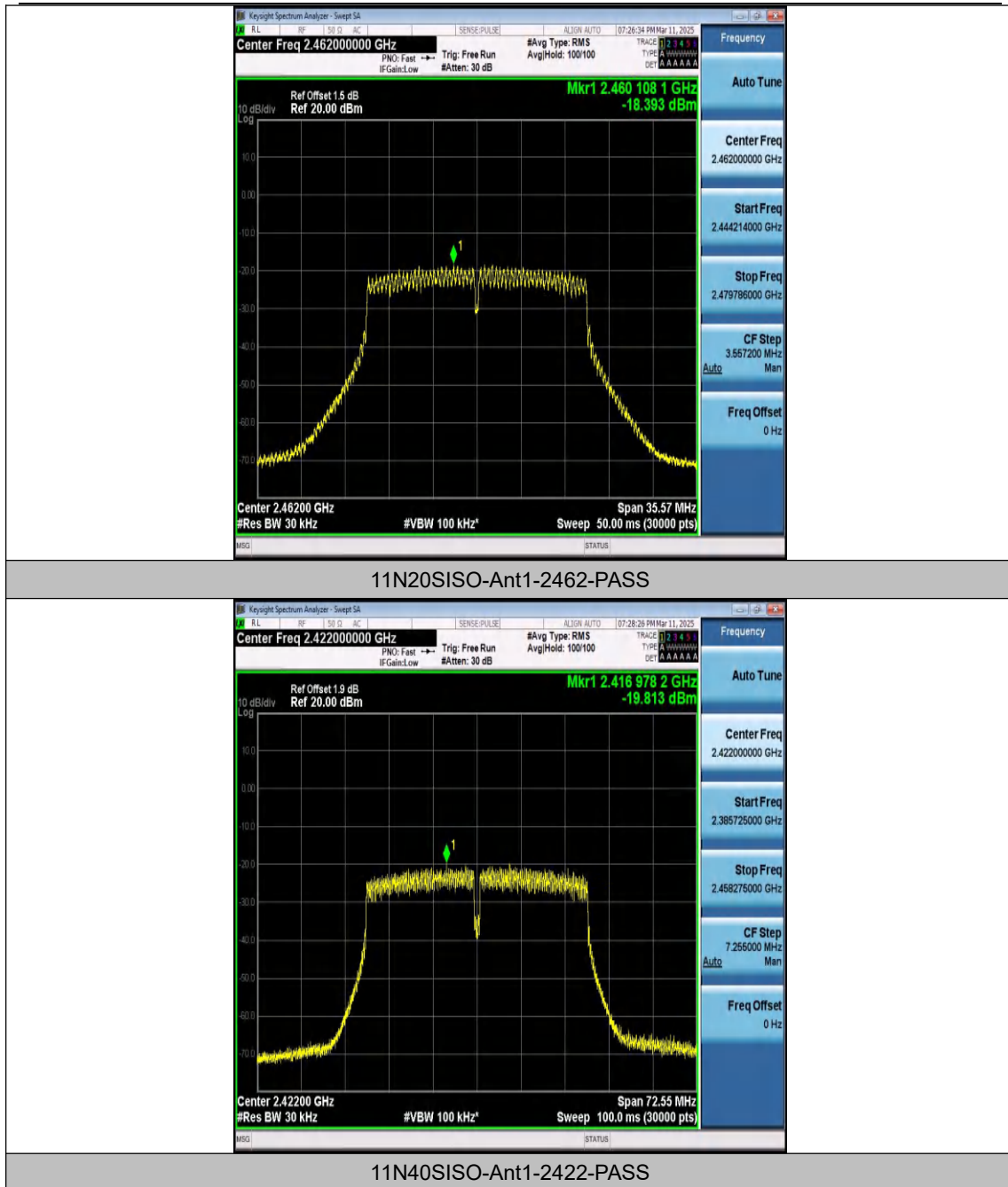


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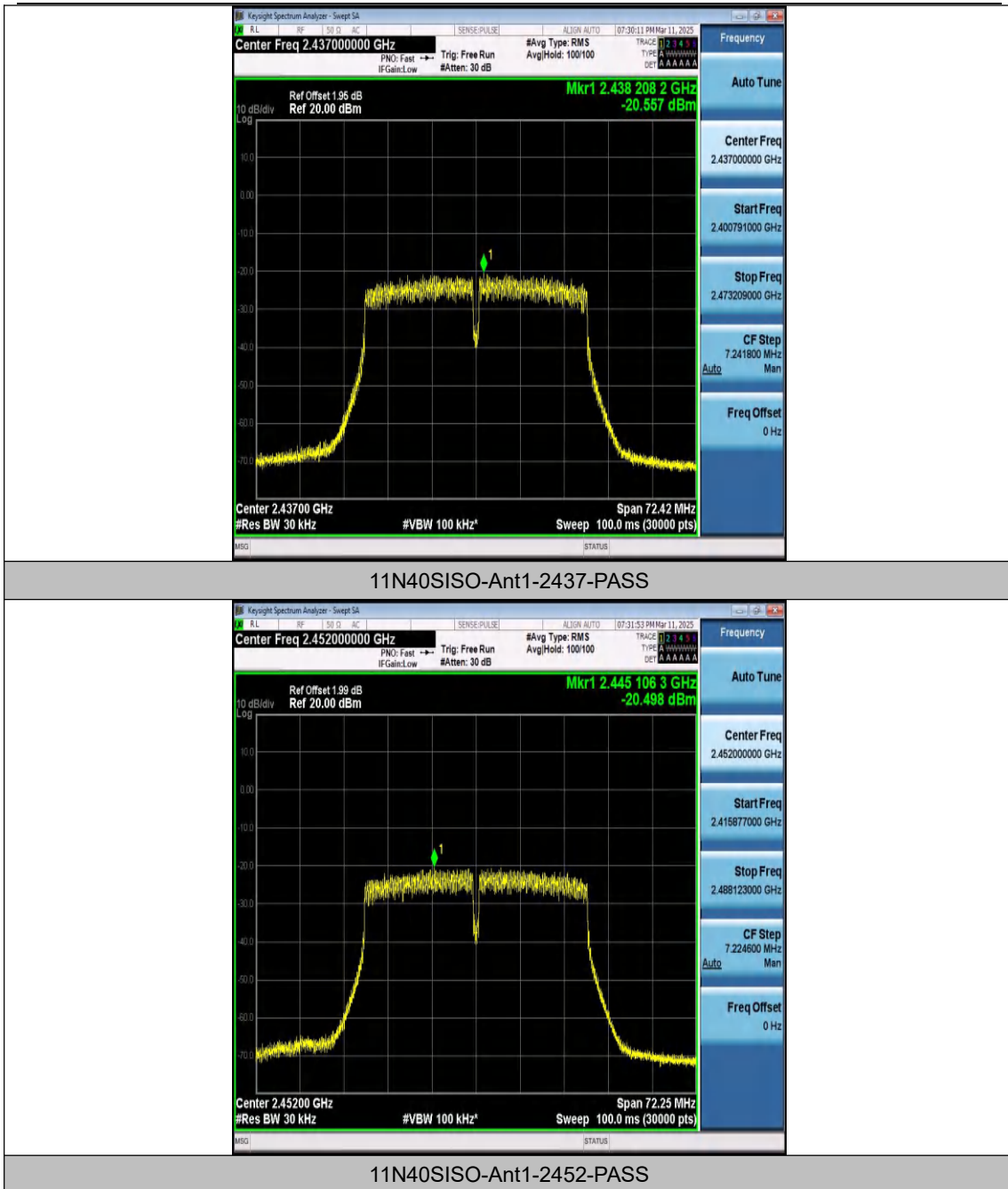


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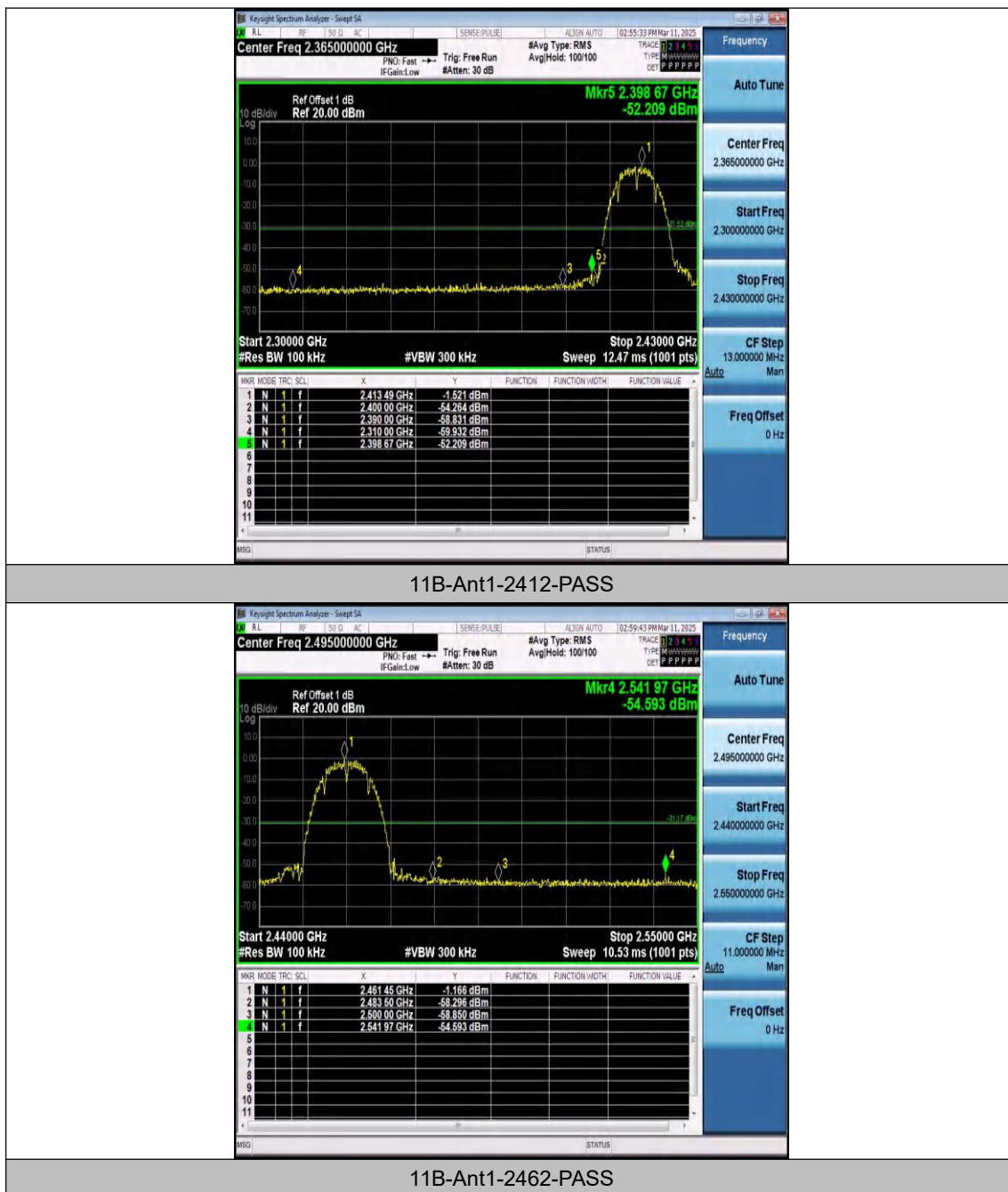
Appendix E: Conducted Band edge

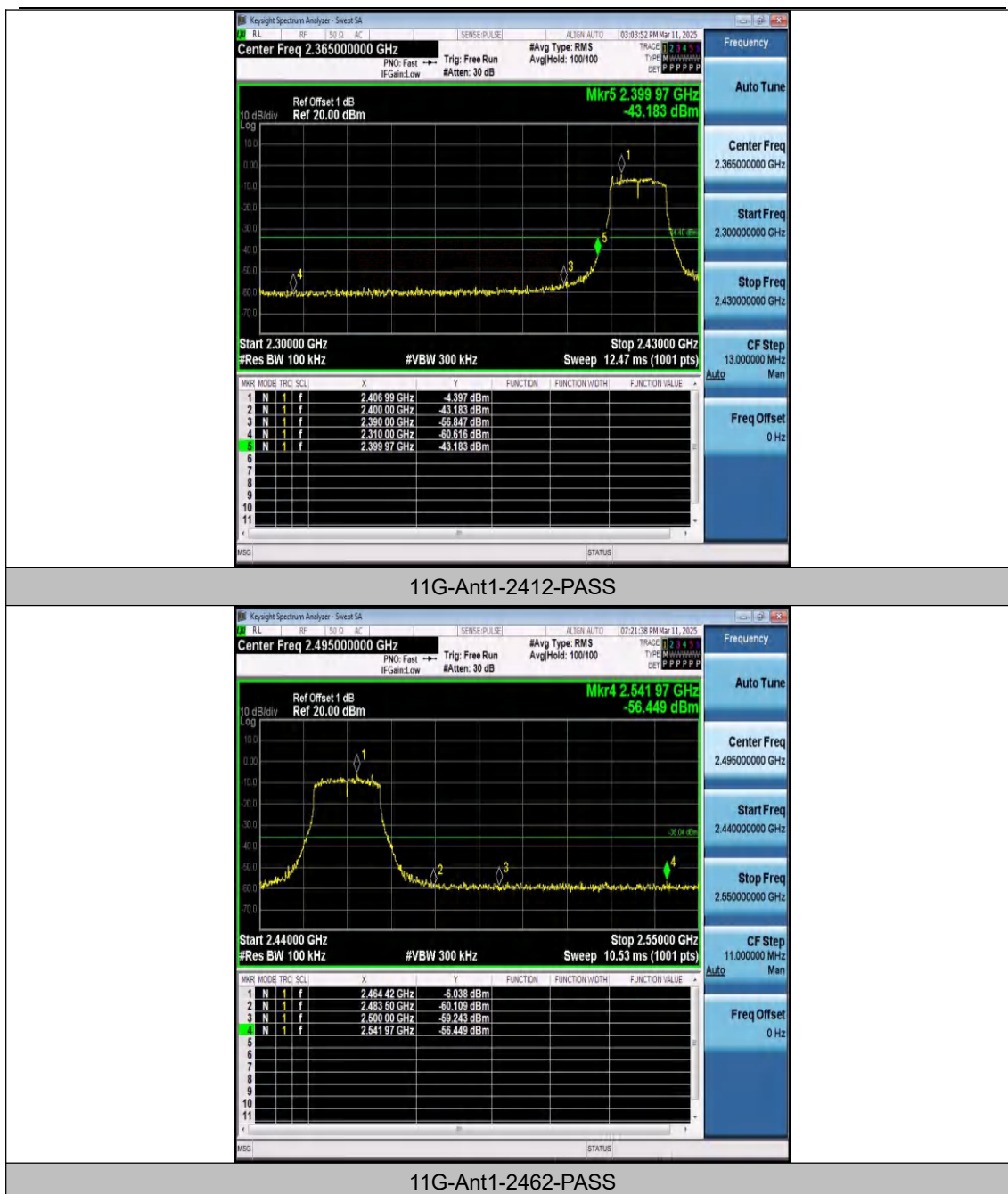
Test Result

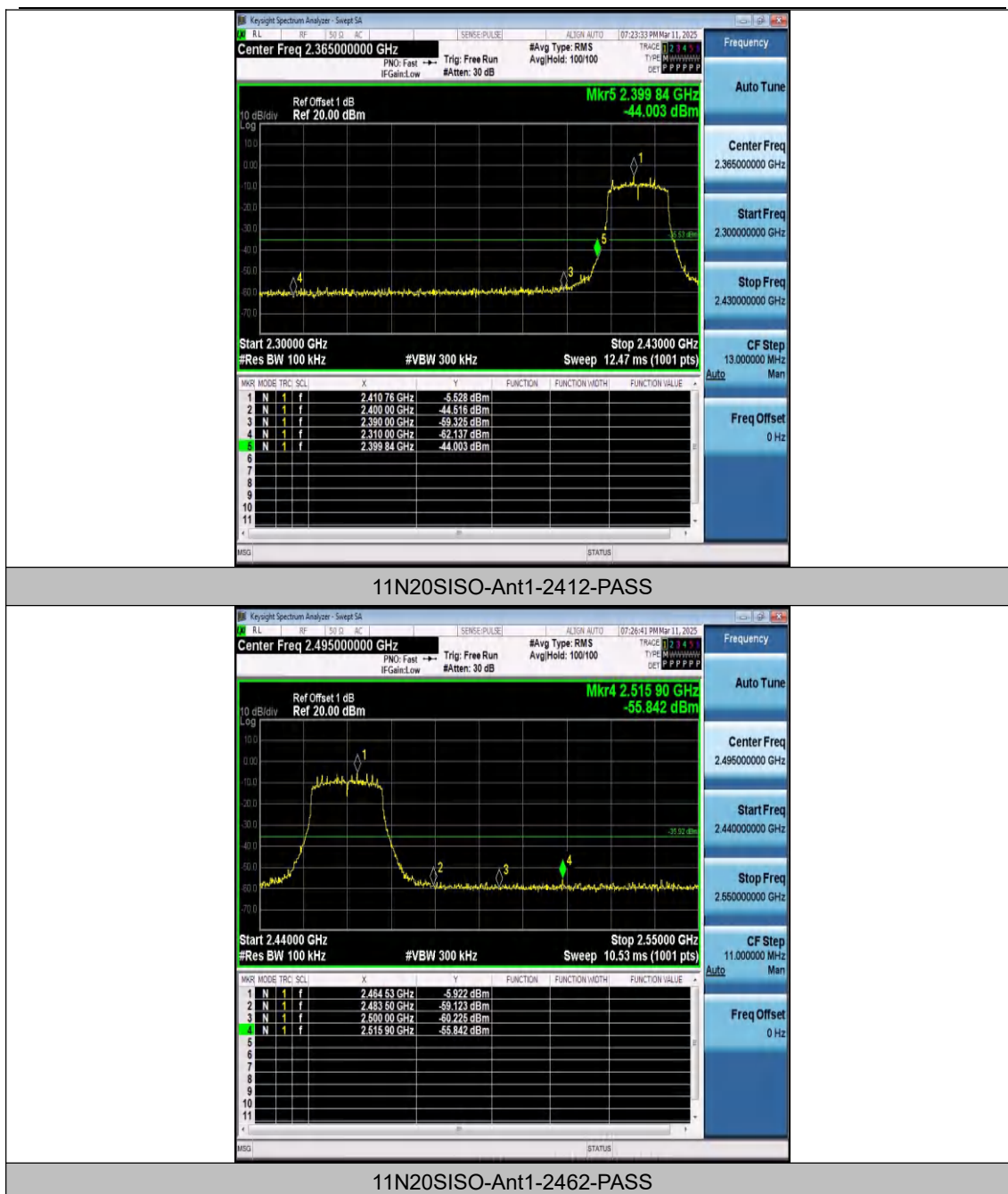
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.52	-52.21	≤-31.52	PASS
11B	Ant1	High	2462	-1.17	-54.59	≤-31.17	PASS
11G	Ant1	Low	2412	-4.40	-43.18	≤-34.4	PASS
11G	Ant1	High	2462	-6.04	-56.45	≤-36.04	PASS
11N20SISO	Ant1	Low	2412	-5.53	-44	≤-35.53	PASS
11N20SISO	Ant1	High	2462	-5.92	-55.84	≤-35.92	PASS
11N40SISO	Ant1	Low	2422	-7.74	-48.54	≤-37.74	PASS
11N40SISO	Ant1	High	2452	-7.98	-54.57	≤-37.98	PASS

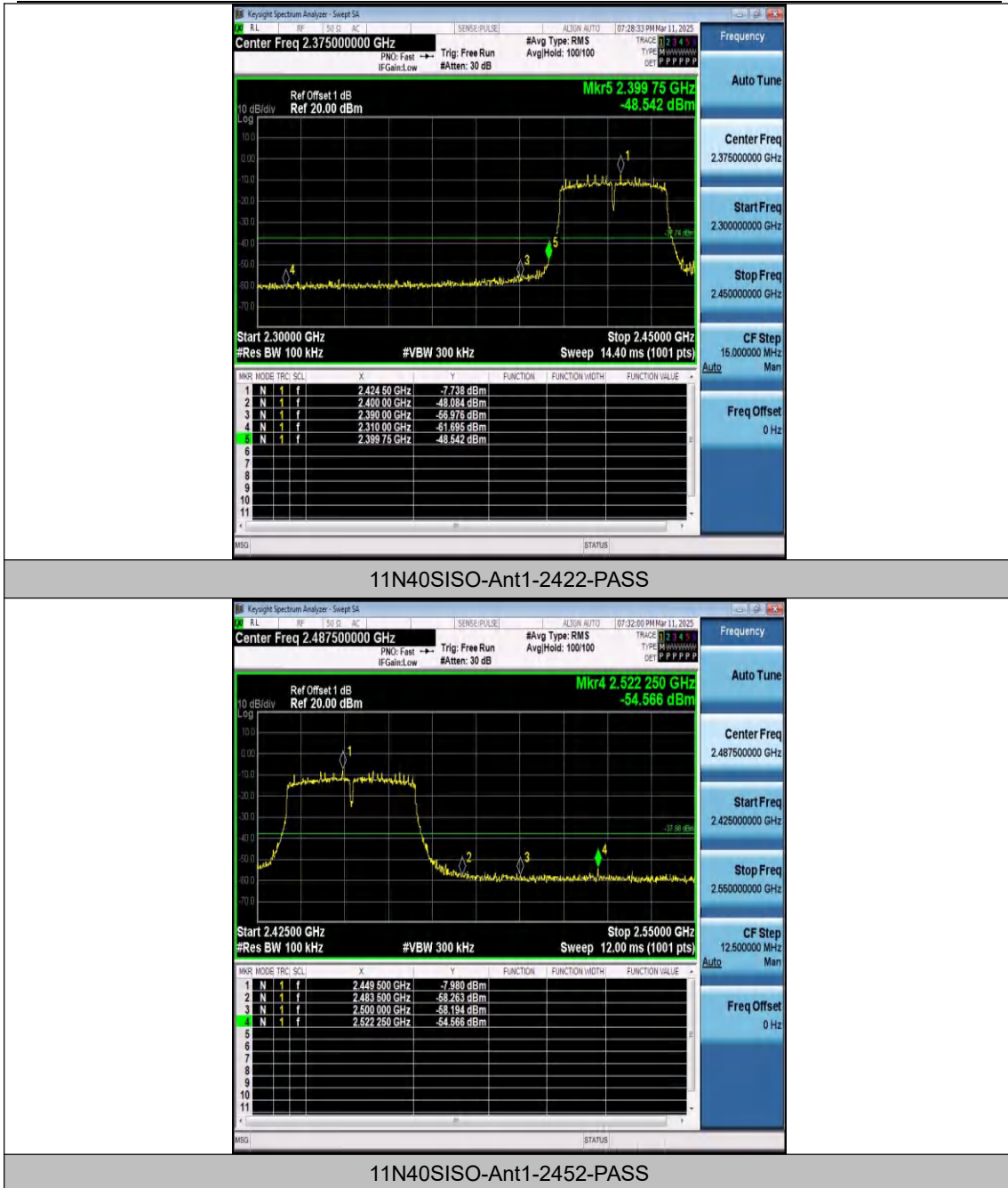


Test Graphs









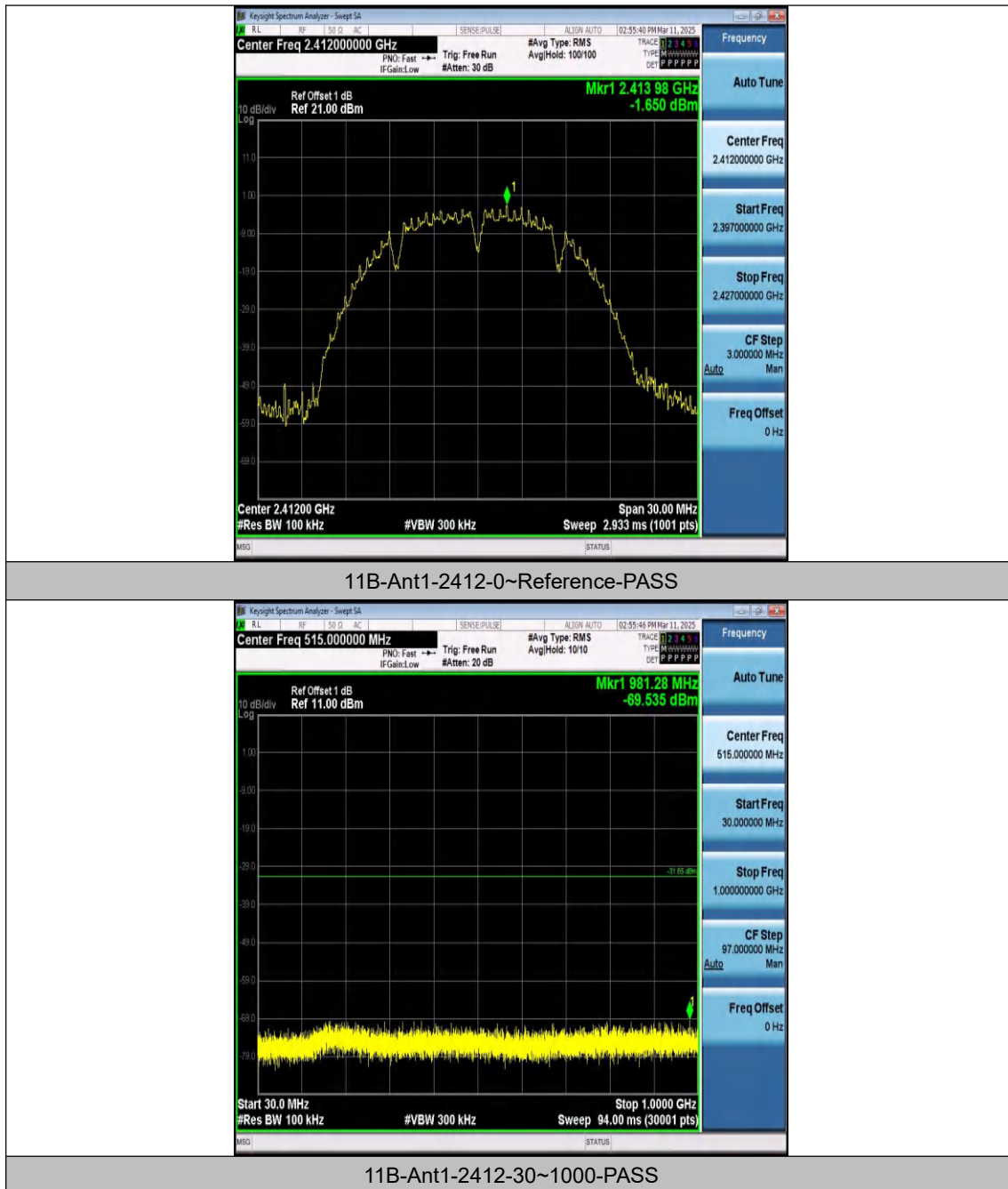
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-1.65	-1.65	---	PASS
11B	Ant1	2412	30~1000	-1.65	-69.54	≤-31.65	PASS
11B	Ant1	2412	1000~26500	-1.65	-53	≤-31.65	PASS
11B	Ant1	2437	0~Reference	-1.99	-1.99	---	PASS
11B	Ant1	2437	30~1000	-1.99	-68.65	≤-31.99	PASS
11B	Ant1	2437	1000~26500	-1.99	-53.45	≤-31.99	PASS
11B	Ant1	2462	0~Reference	-1.11	-1.11	---	PASS
11B	Ant1	2462	30~1000	-1.11	-68.5	≤-31.11	PASS
11B	Ant1	2462	1000~26500	-1.11	-53.92	≤-31.11	PASS
11G	Ant1	2412	0~Reference	-2.90	-2.90	---	PASS
11G	Ant1	2412	30~1000	-2.90	-69	≤-32.9	PASS
11G	Ant1	2412	1000~26500	-2.90	-53.79	≤-32.9	PASS
11G	Ant1	2437	0~Reference	-5.24	-5.24	---	PASS
11G	Ant1	2437	30~1000	-5.24	-67.86	≤-35.24	PASS
11G	Ant1	2437	1000~26500	-5.24	-53.73	≤-35.24	PASS
11G	Ant1	2462	0~Reference	-5.23	-5.23	---	PASS
11G	Ant1	2462	30~1000	-5.23	-68.58	≤-35.23	PASS
11G	Ant1	2462	1000~26500	-5.23	-53.34	≤-35.23	PASS
11N20SISO	Ant1	2412	0~Reference	-5.89	-5.89	---	PASS
11N20SISO	Ant1	2412	30~1000	-5.89	-68	≤-35.89	PASS
11N20SISO	Ant1	2412	1000~26500	-5.89	-54.11	≤-35.89	PASS
11N20SISO	Ant1	2437	0~Reference	-6.27	-6.27	---	PASS
11N20SISO	Ant1	2437	30~1000	-6.27	-68.99	≤-36.27	PASS
11N20SISO	Ant1	2437	1000~26500	-6.27	-53.5	≤-36.27	PASS
11N20SISO	Ant1	2462	0~Reference	-5.08	-5.08	---	PASS
11N20SISO	Ant1	2462	30~1000	-5.08	-68.26	≤-35.08	PASS
11N20SISO	Ant1	2462	1000~26500	-5.08	-52.8	≤-35.08	PASS
11N40SISO	Ant1	2422	0~Reference	-7.76	-7.76	---	PASS
11N40SISO	Ant1	2422	30~1000	-7.76	-68.59	≤-37.76	PASS
11N40SISO	Ant1	2422	1000~26500	-7.76	-52.63	≤-37.76	PASS
11N40SISO	Ant1	2437	0~Reference	-8.49	-8.49	---	PASS
11N40SISO	Ant1	2437	30~1000	-8.49	-68.35	≤-38.49	PASS
11N40SISO	Ant1	2437	1000~26500	-8.49	-53.93	≤-38.49	PASS
11N40SISO	Ant1	2452	0~Reference	-7.77	-7.77	---	PASS
11N40SISO	Ant1	2452	30~1000	-7.77	-69.25	≤-37.77	PASS
11N40SISO	Ant1	2452	1000~26500	-7.77	-53.46	≤-37.77	PASS



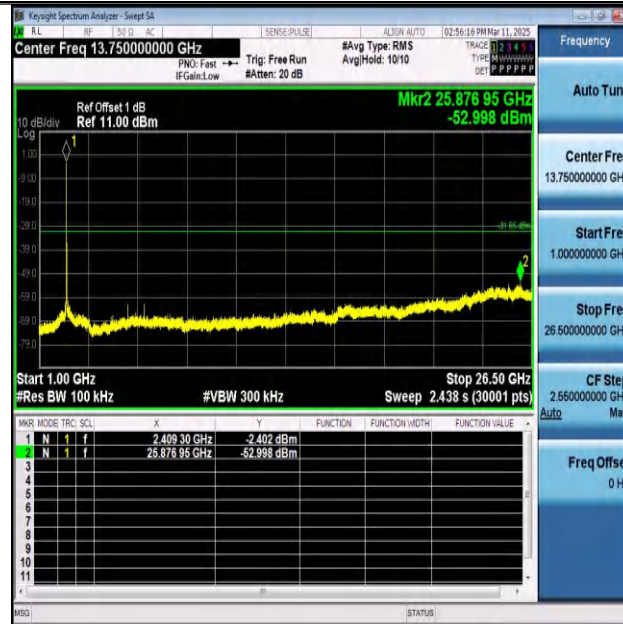
Test Graphs



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11B-Ant1-2412-1000~26500-PASS



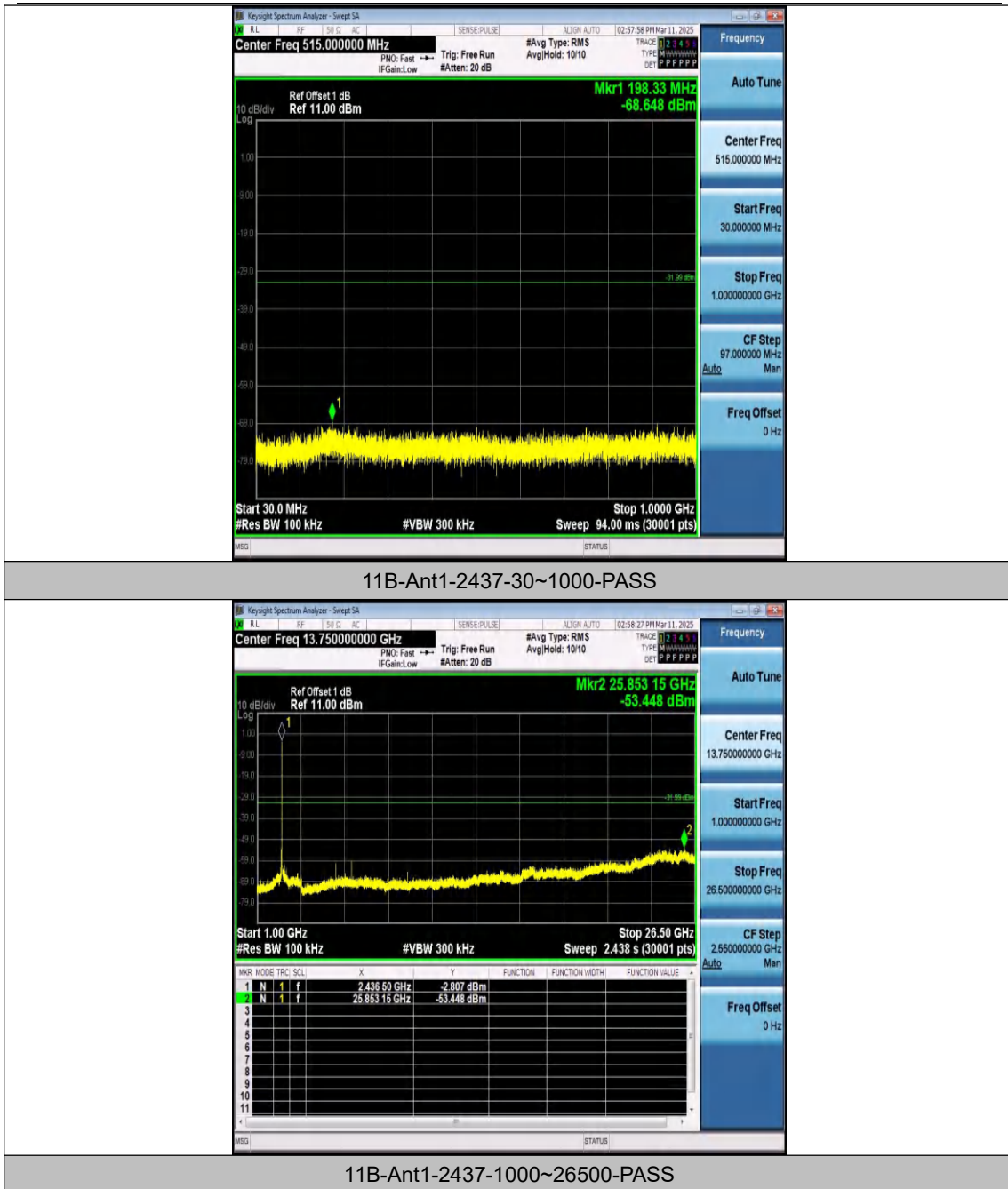
11B-Ant1-2437-0~Reference-PASS

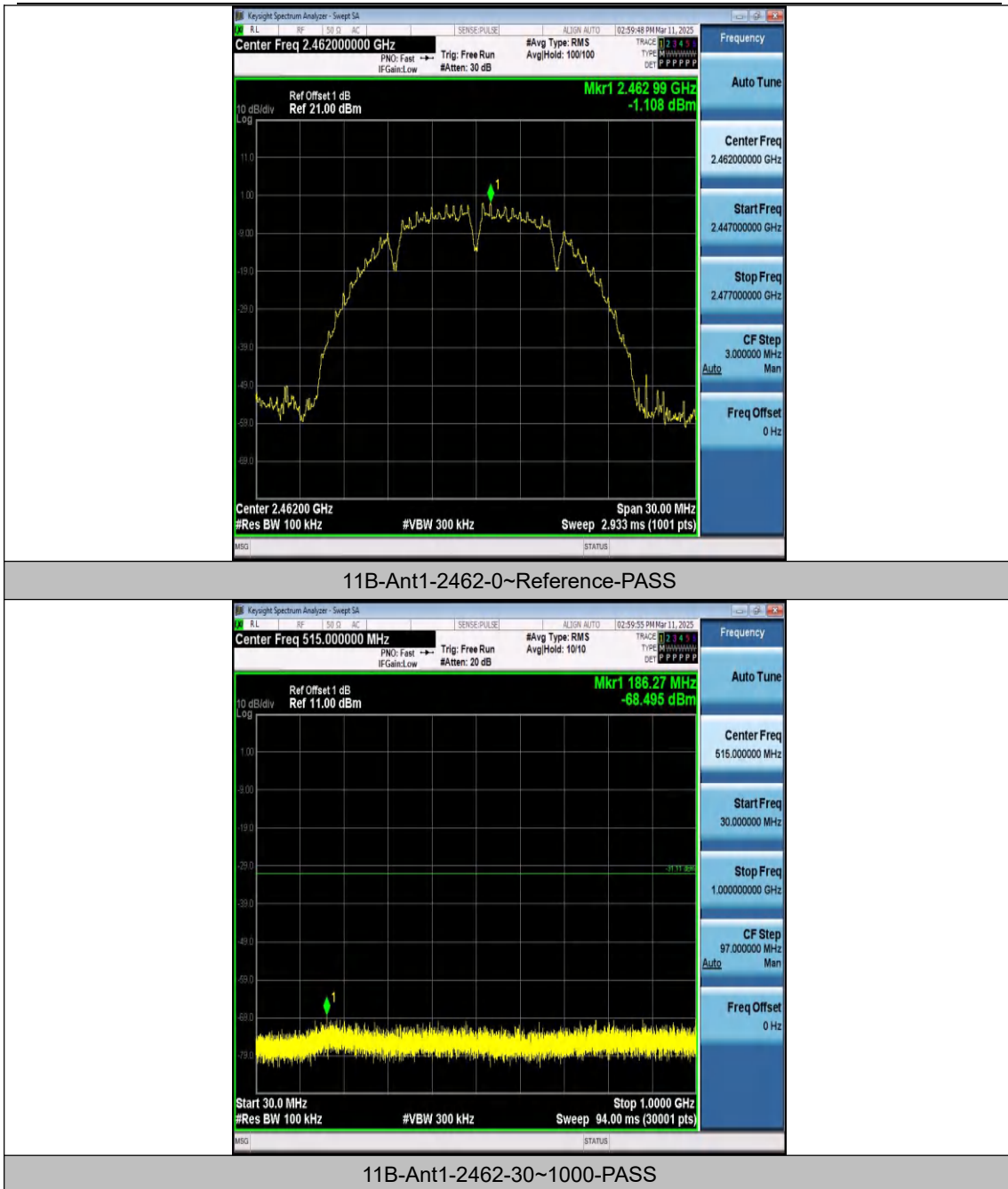
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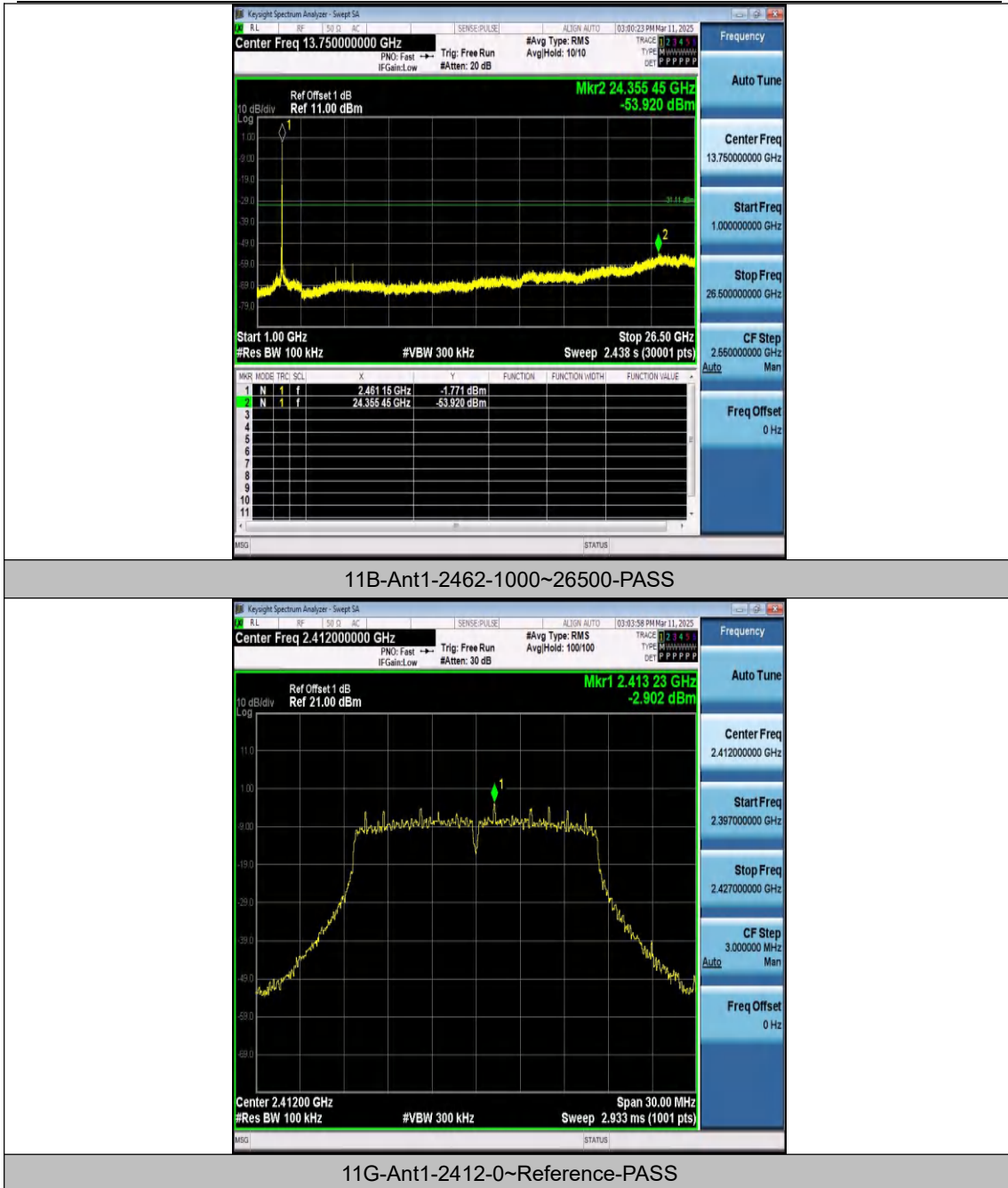
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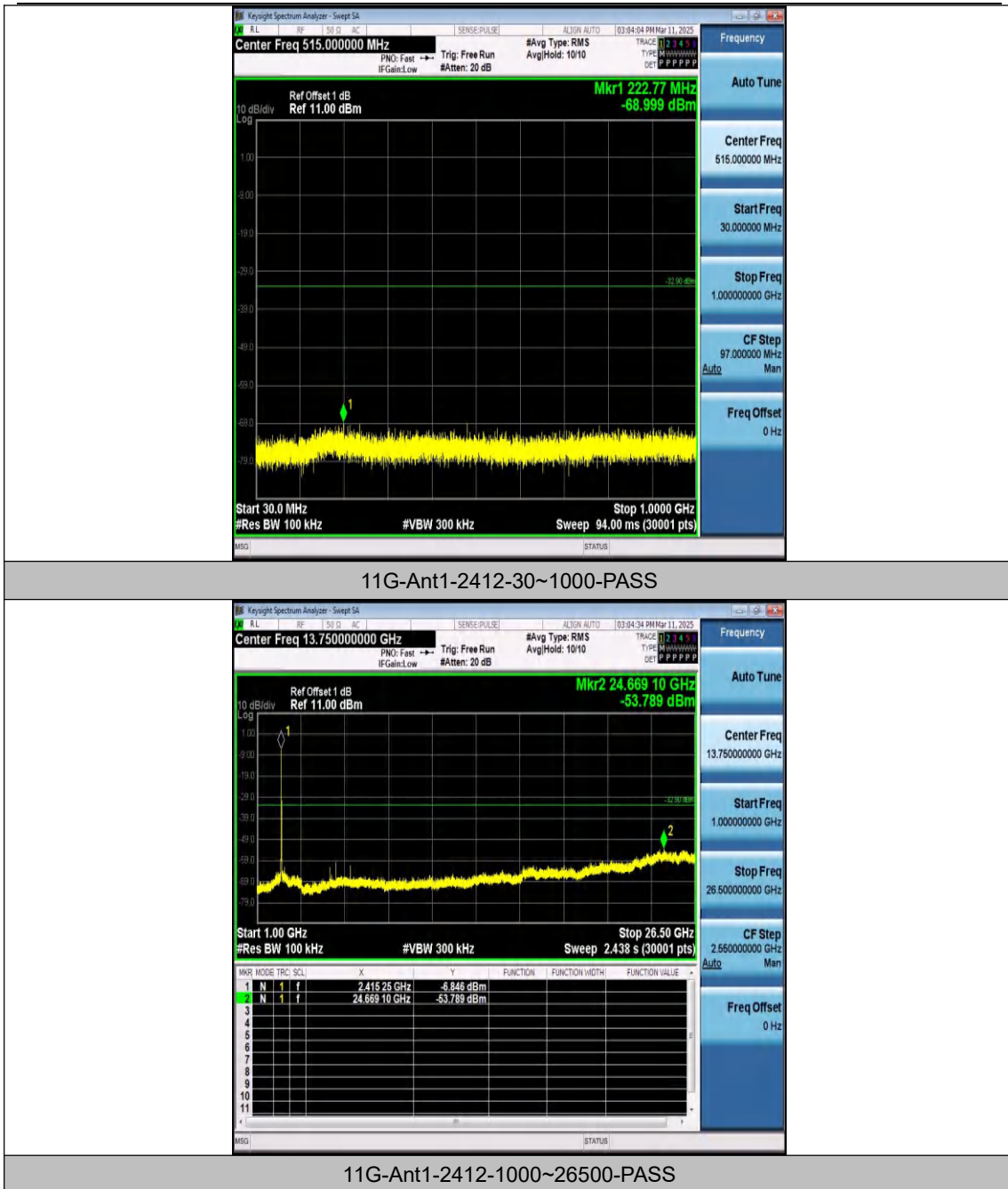


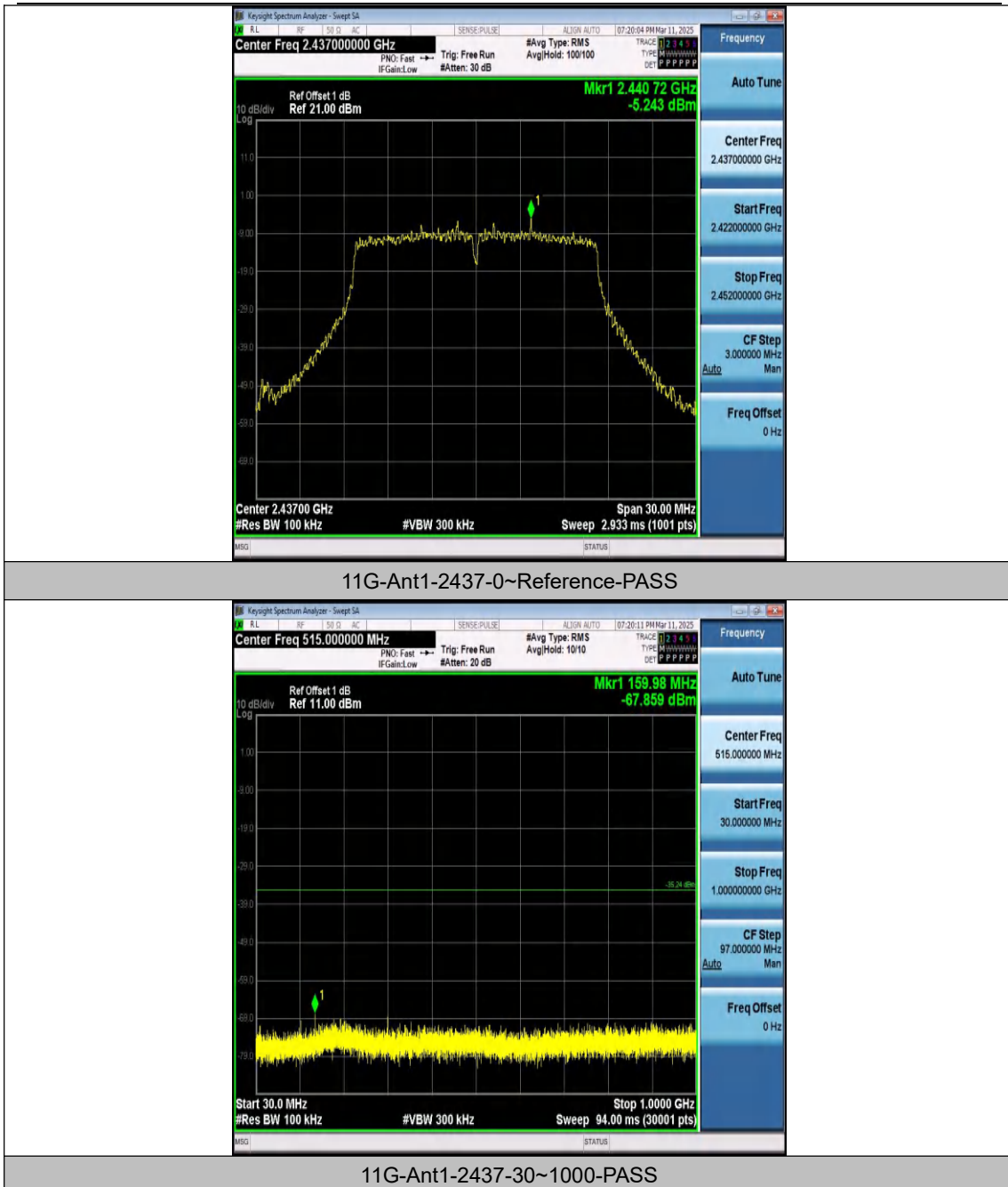


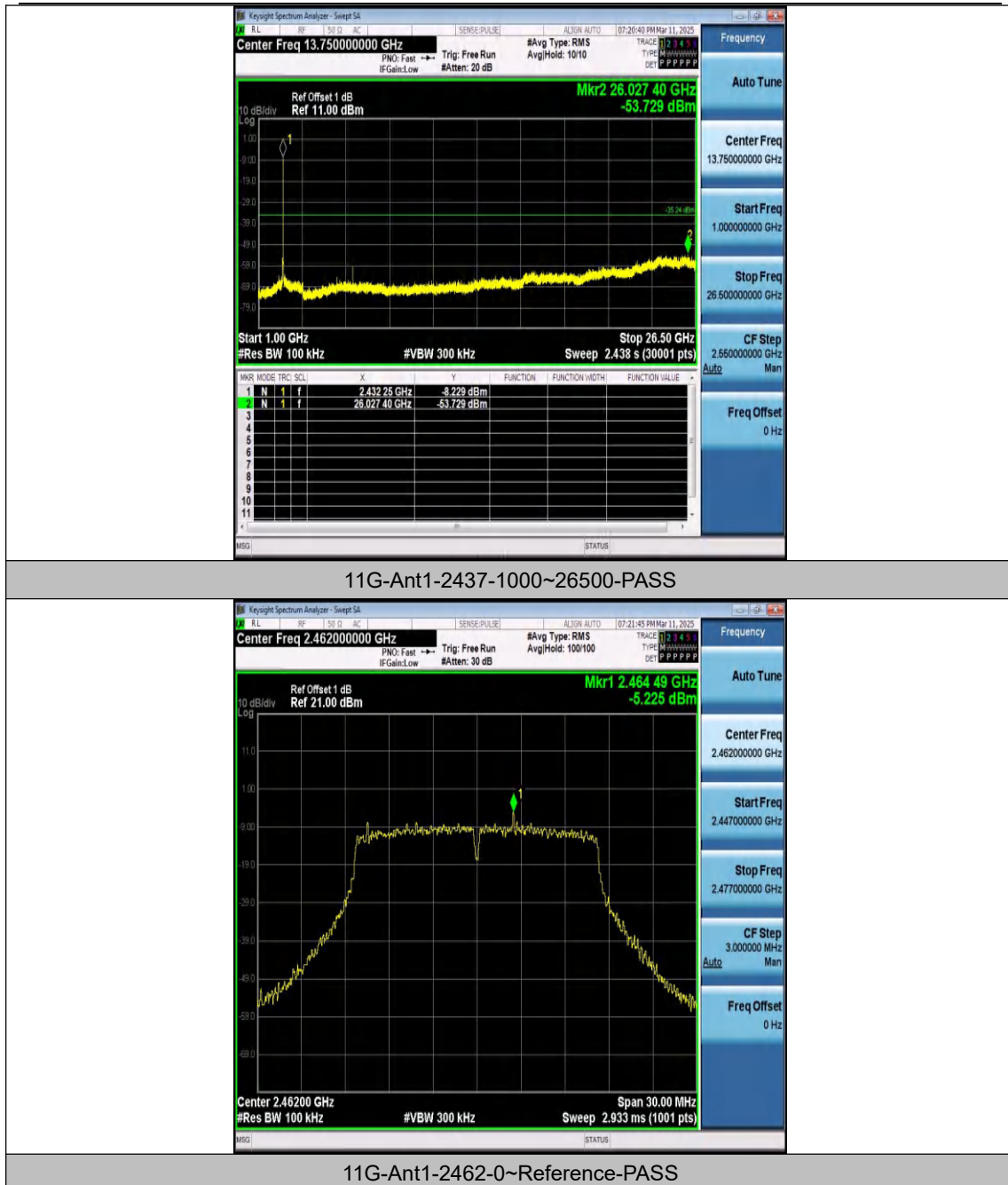
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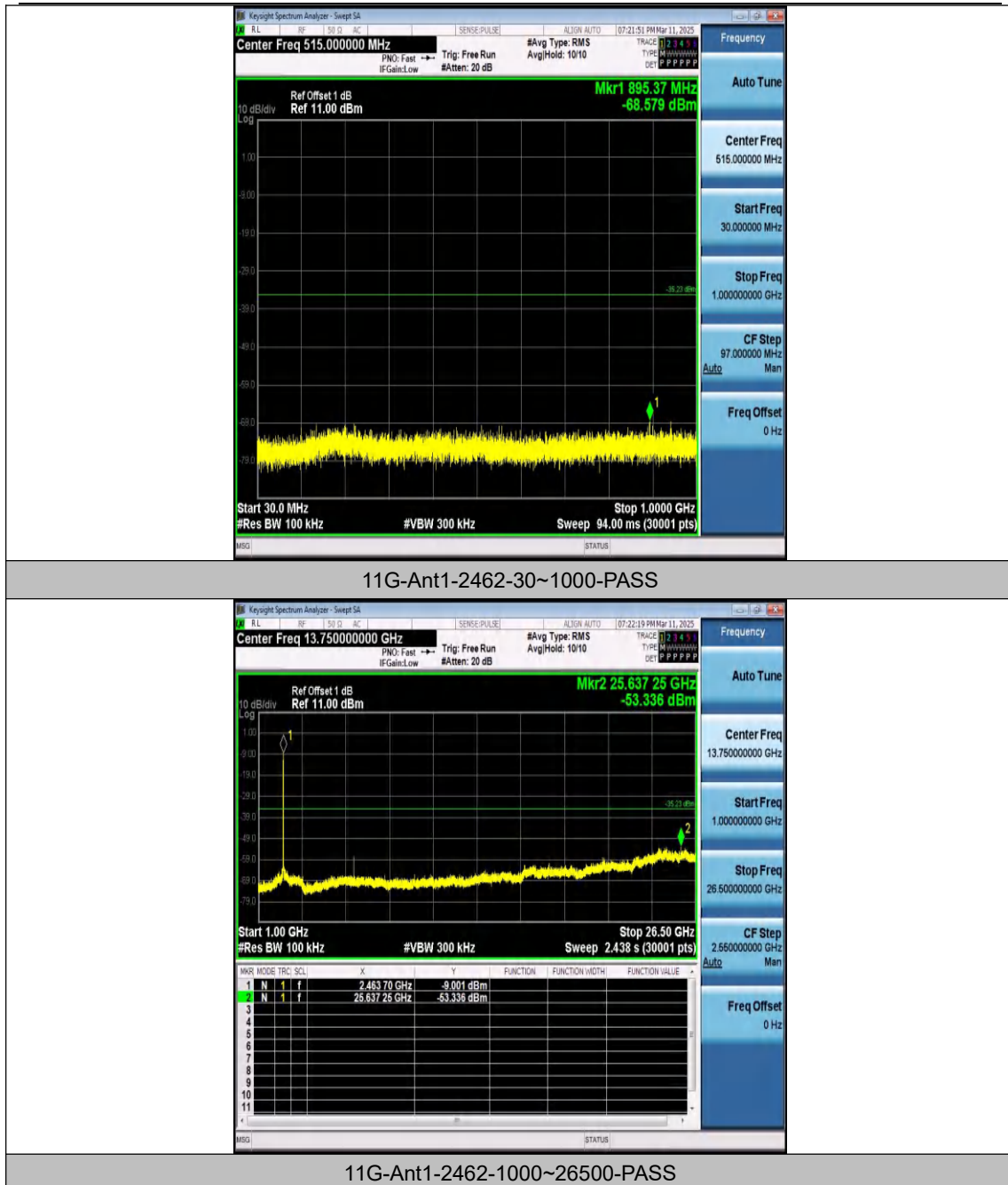


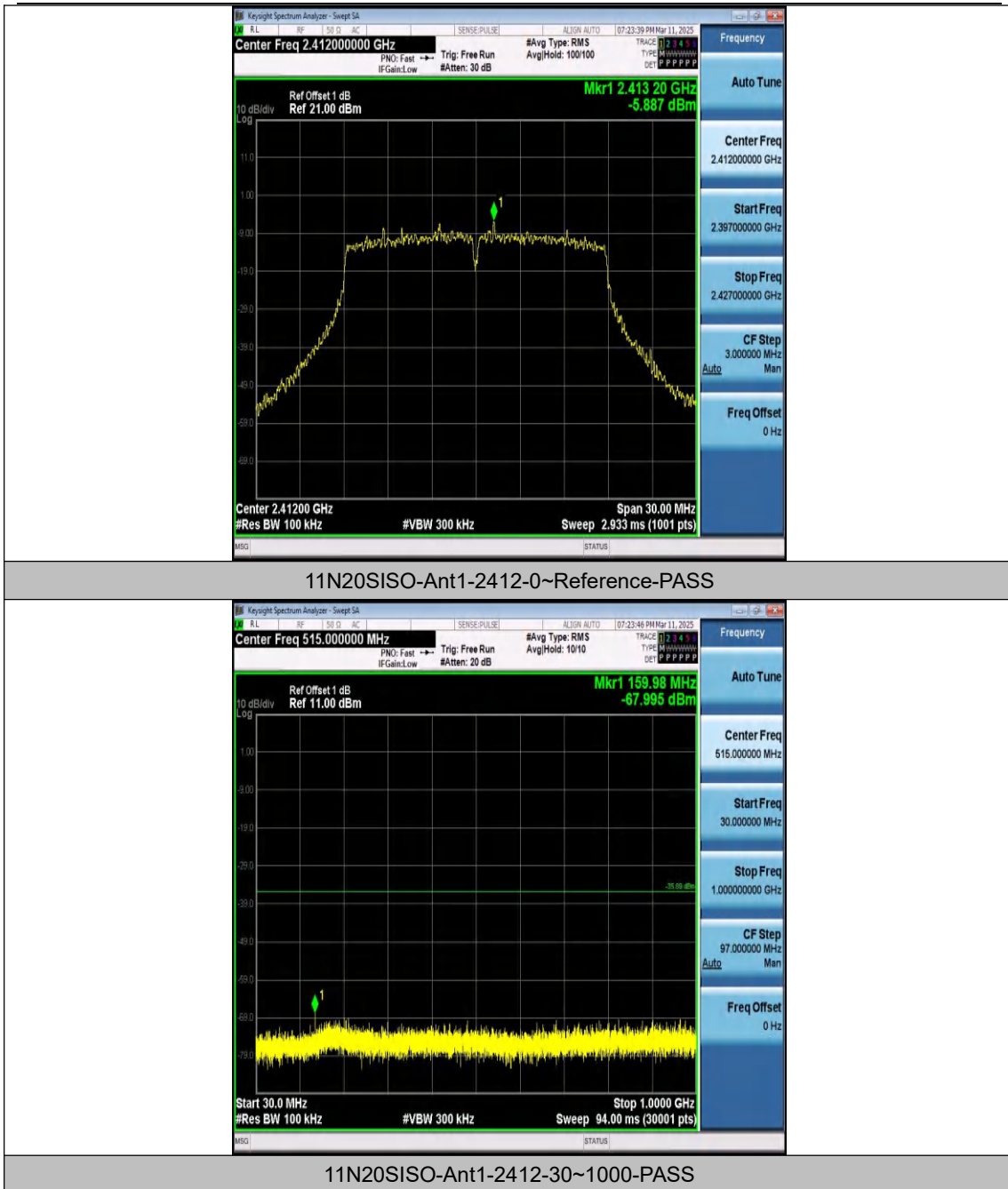


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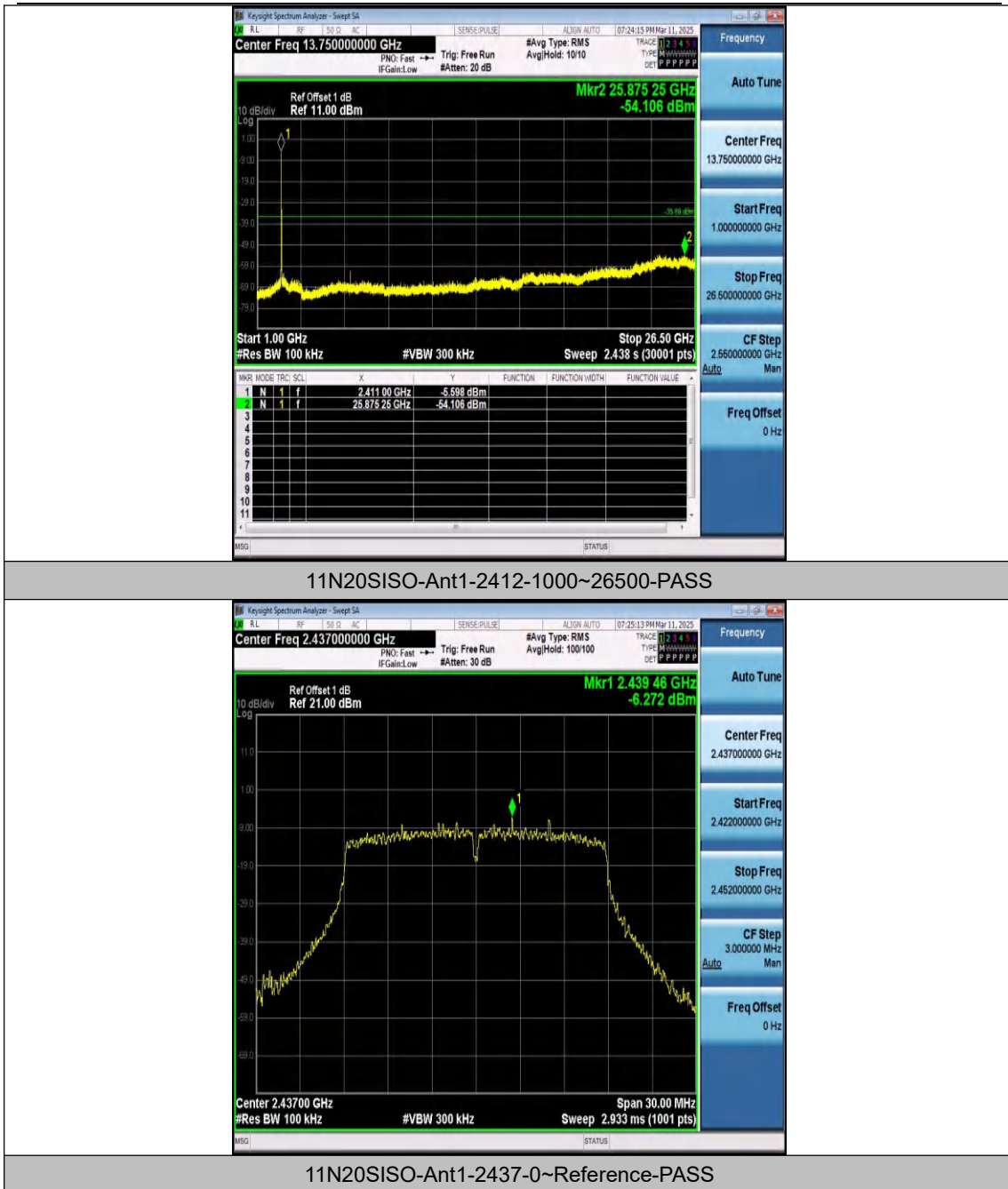


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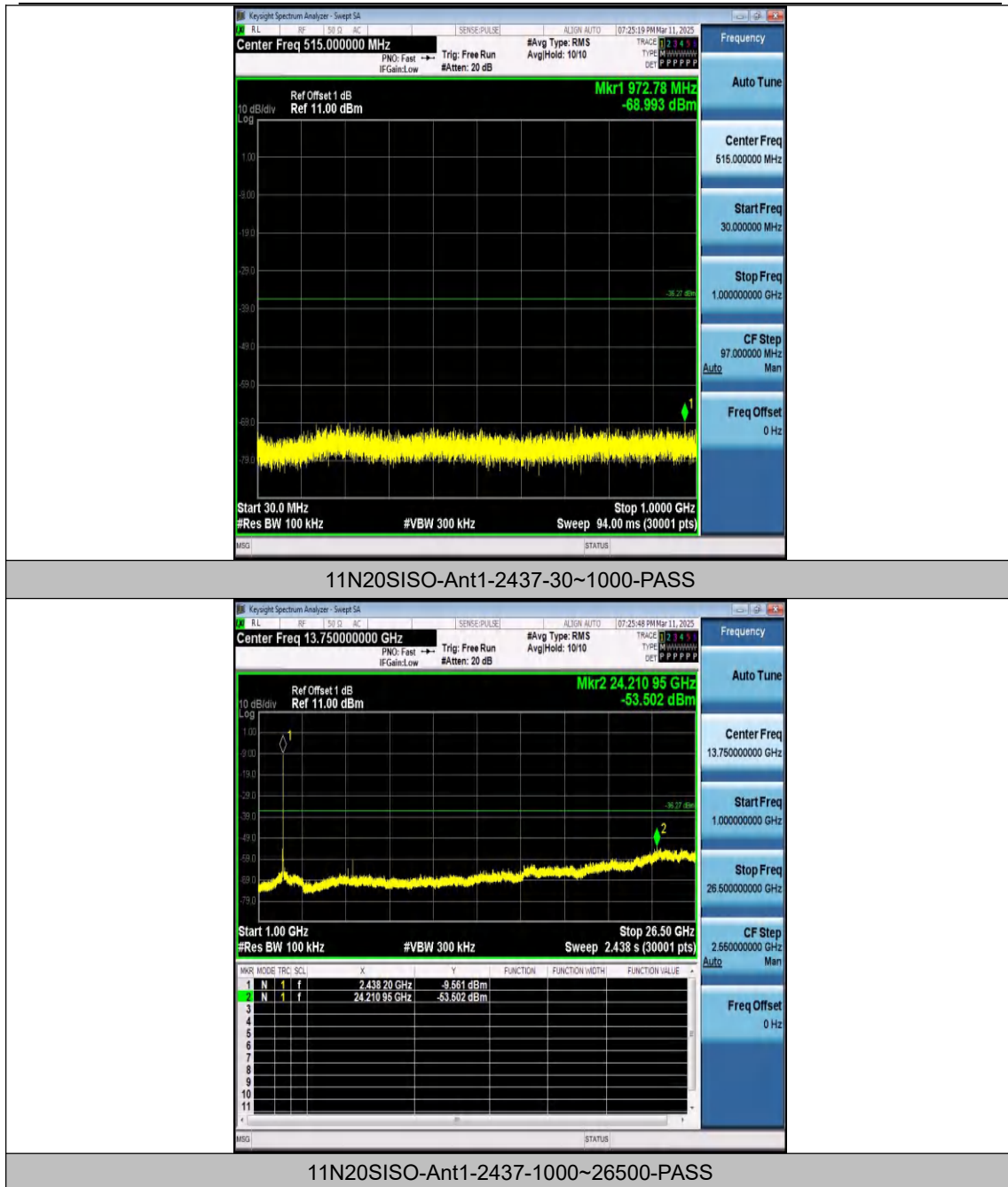


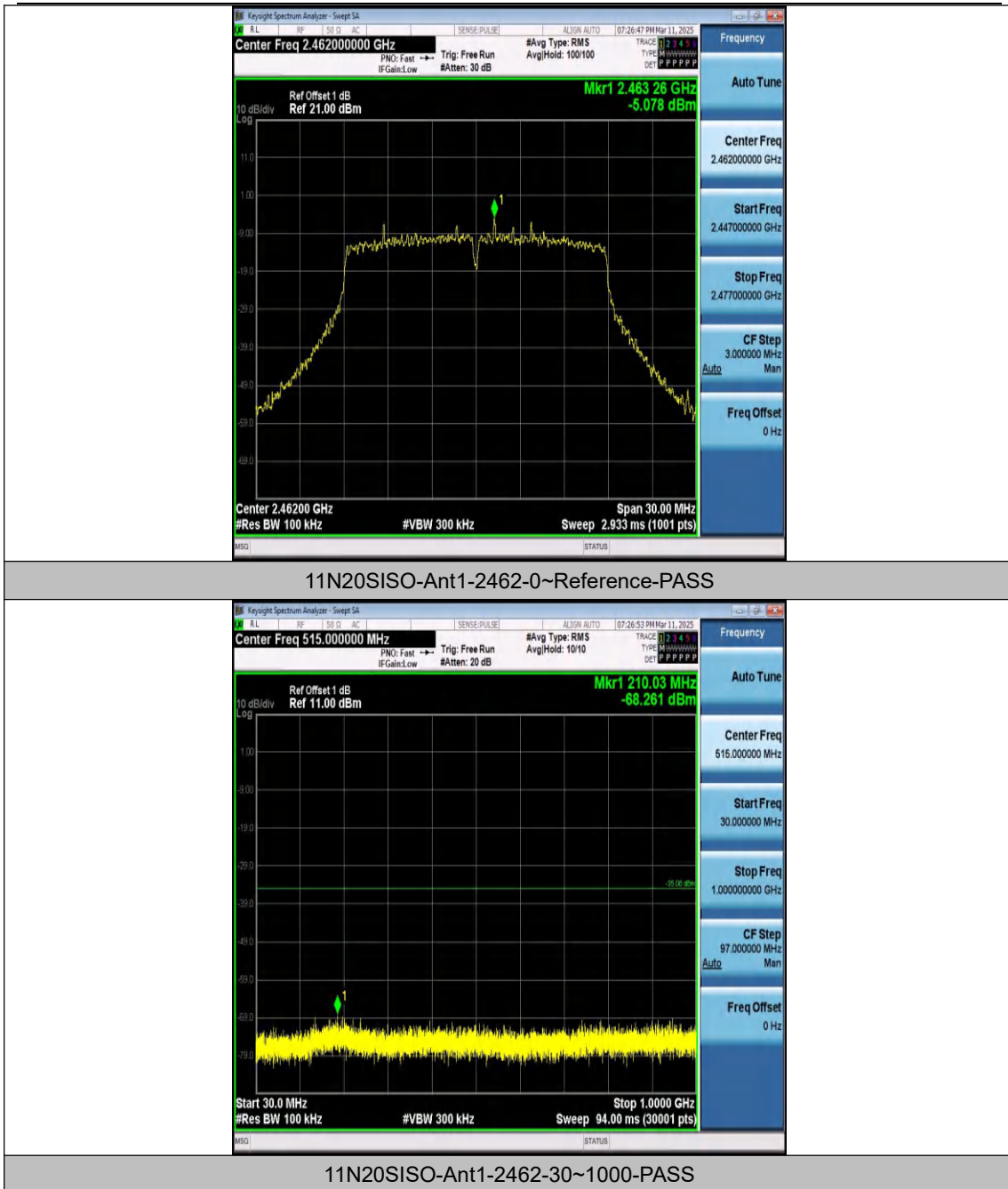
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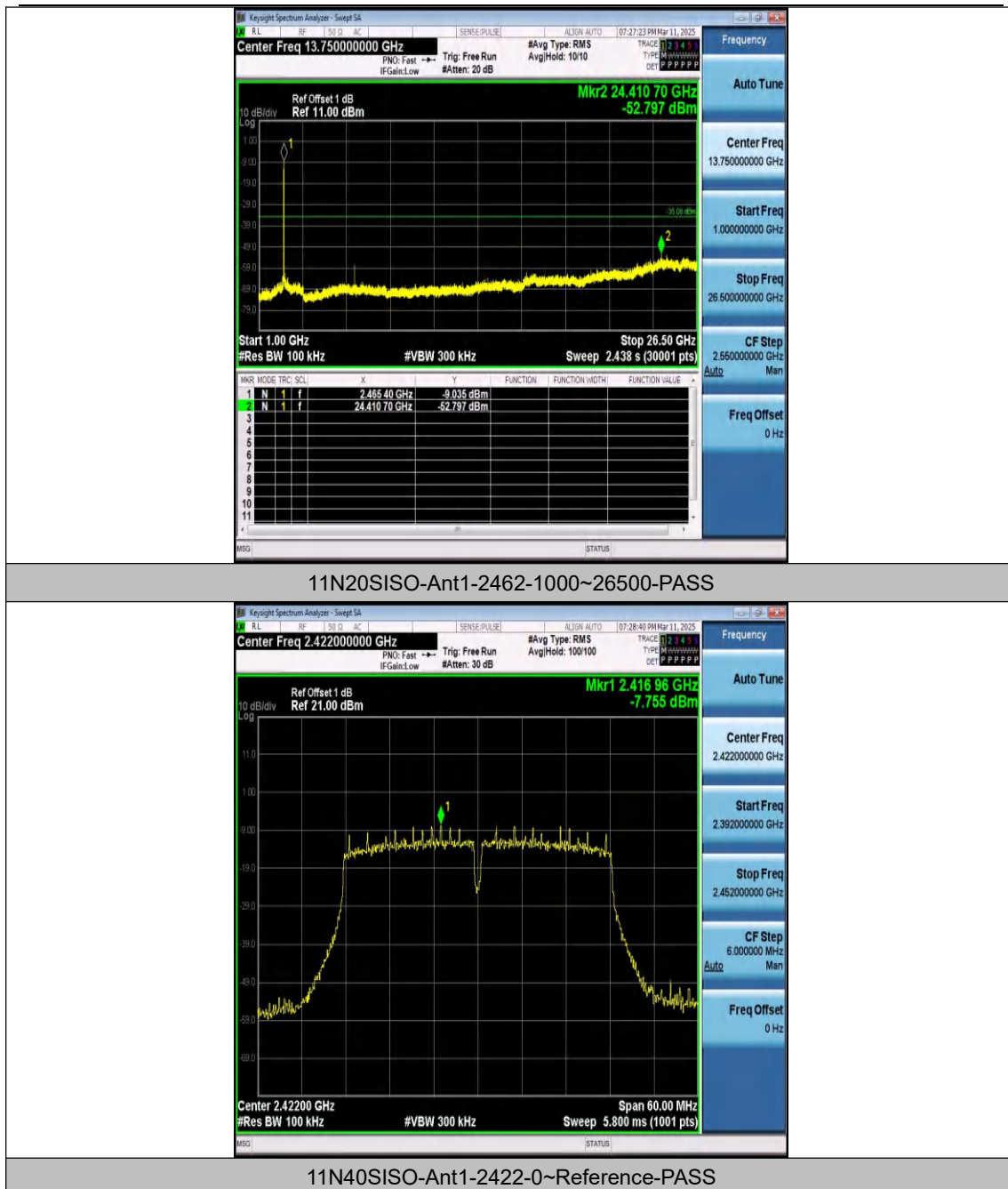


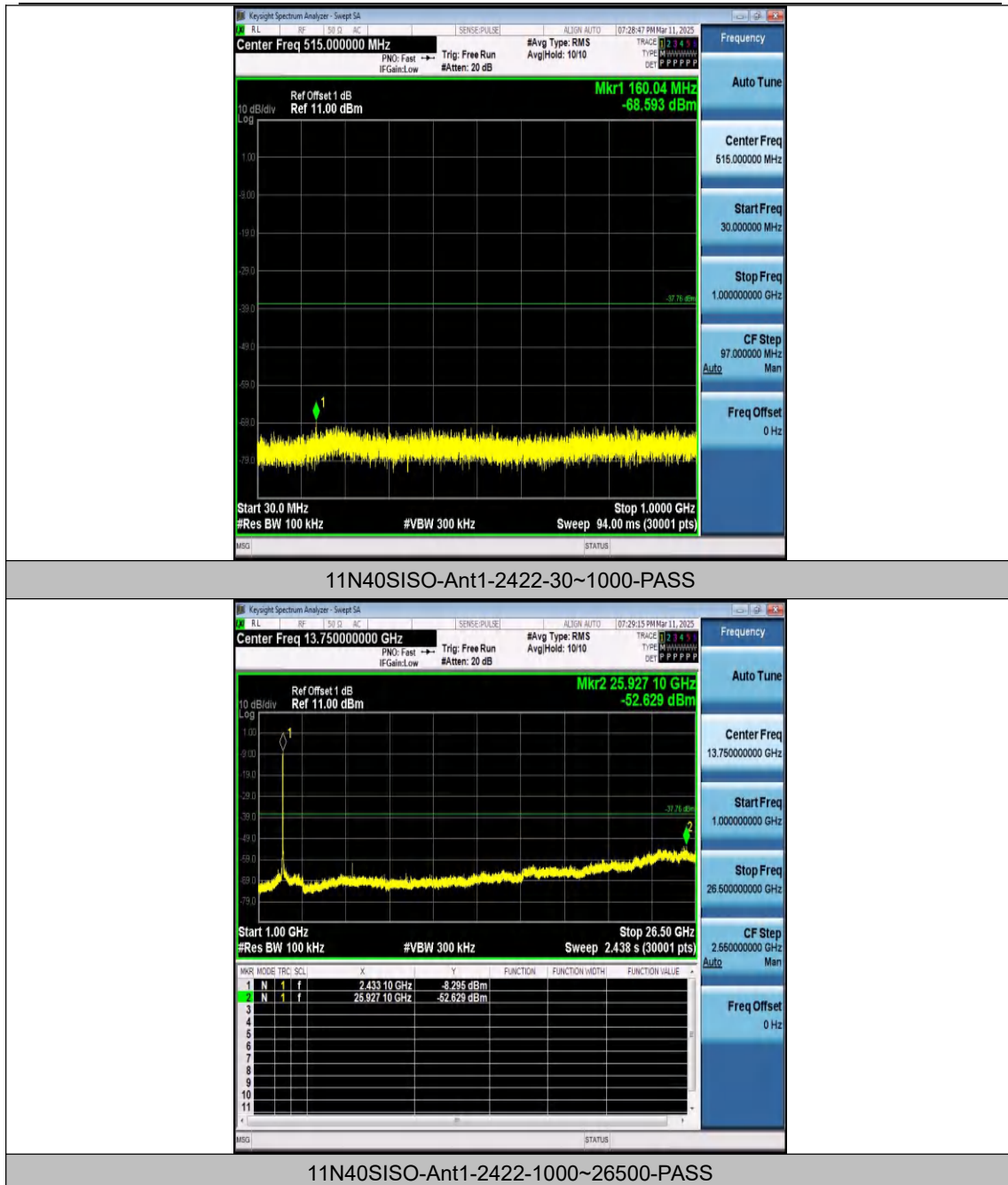
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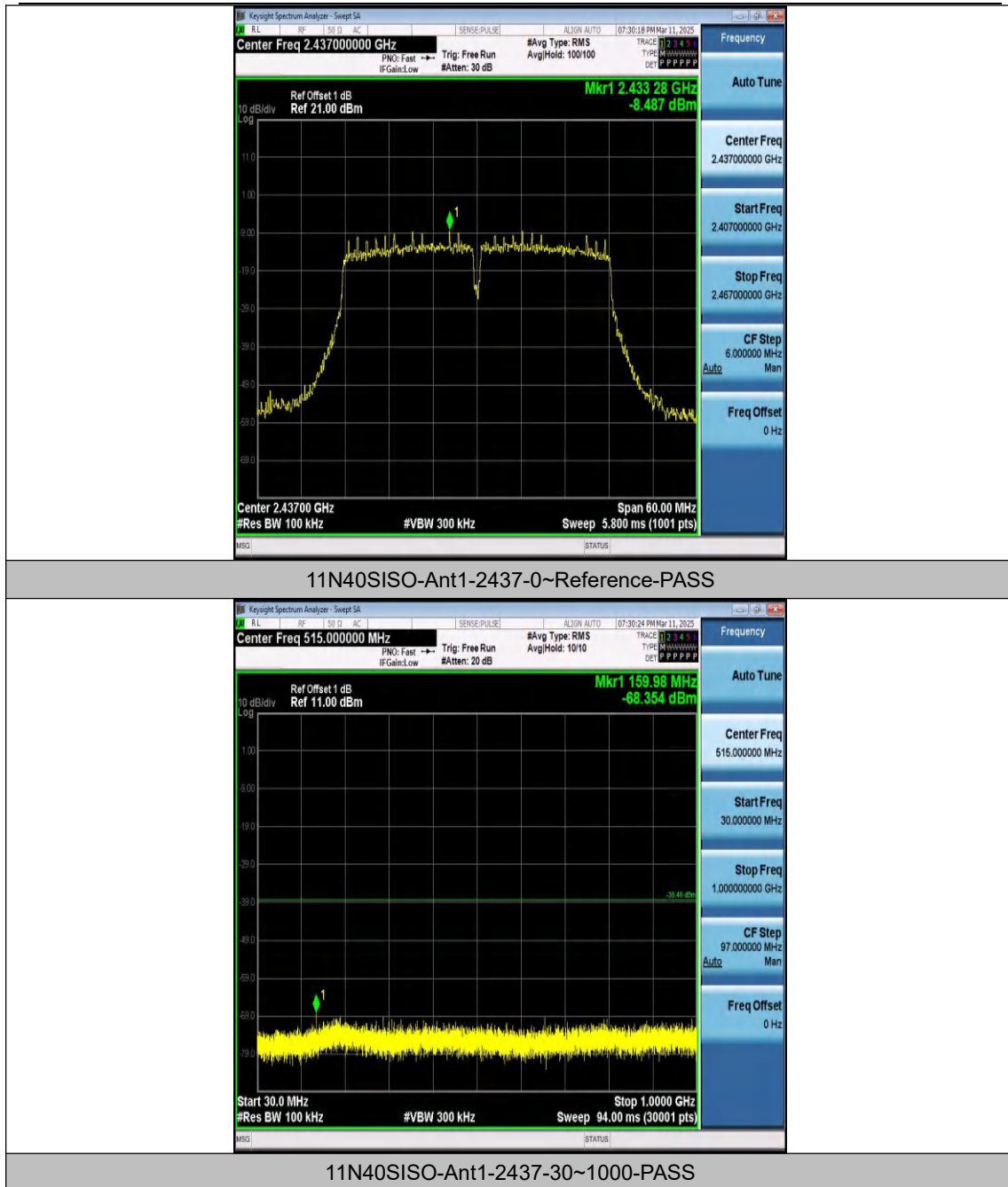
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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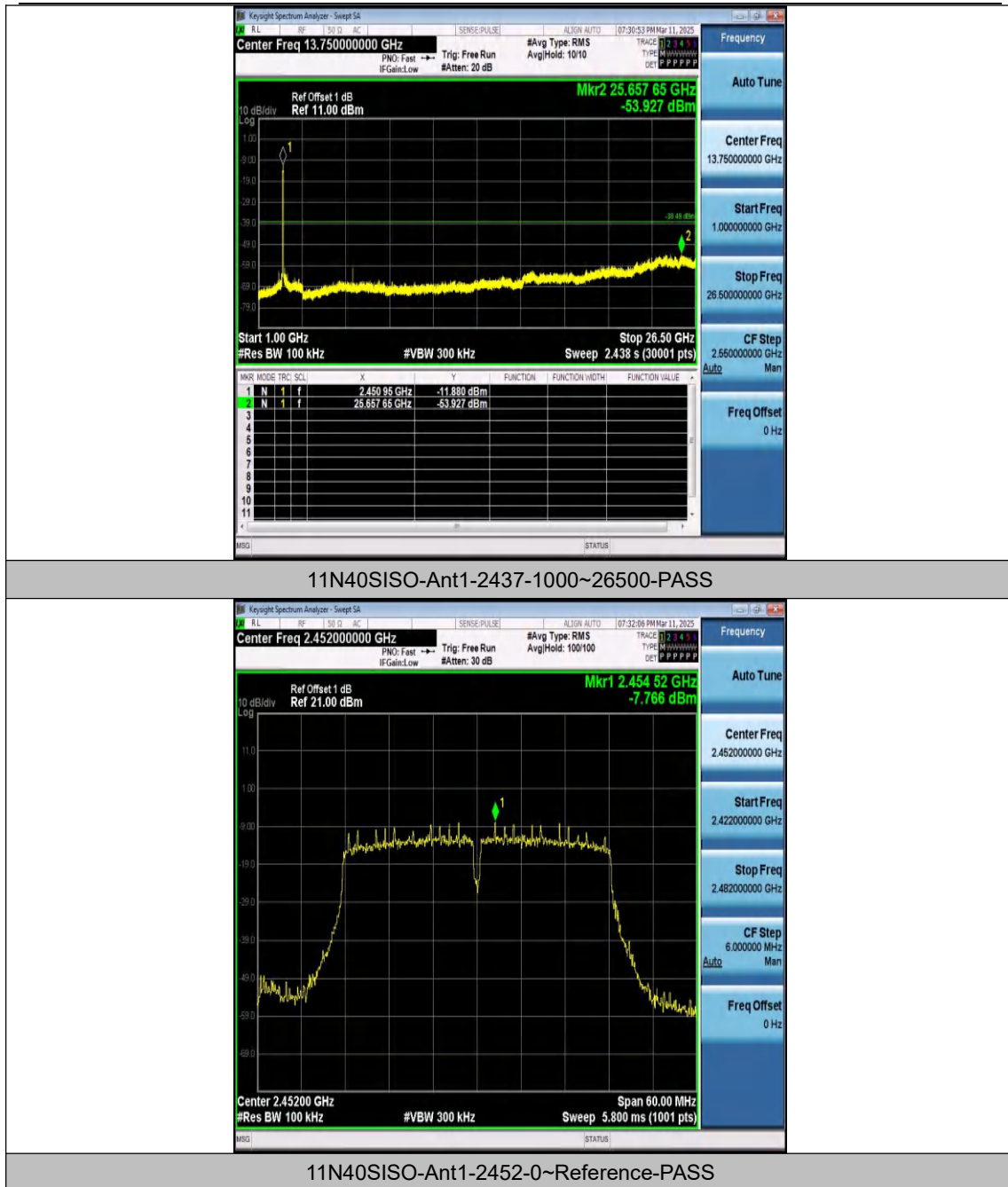


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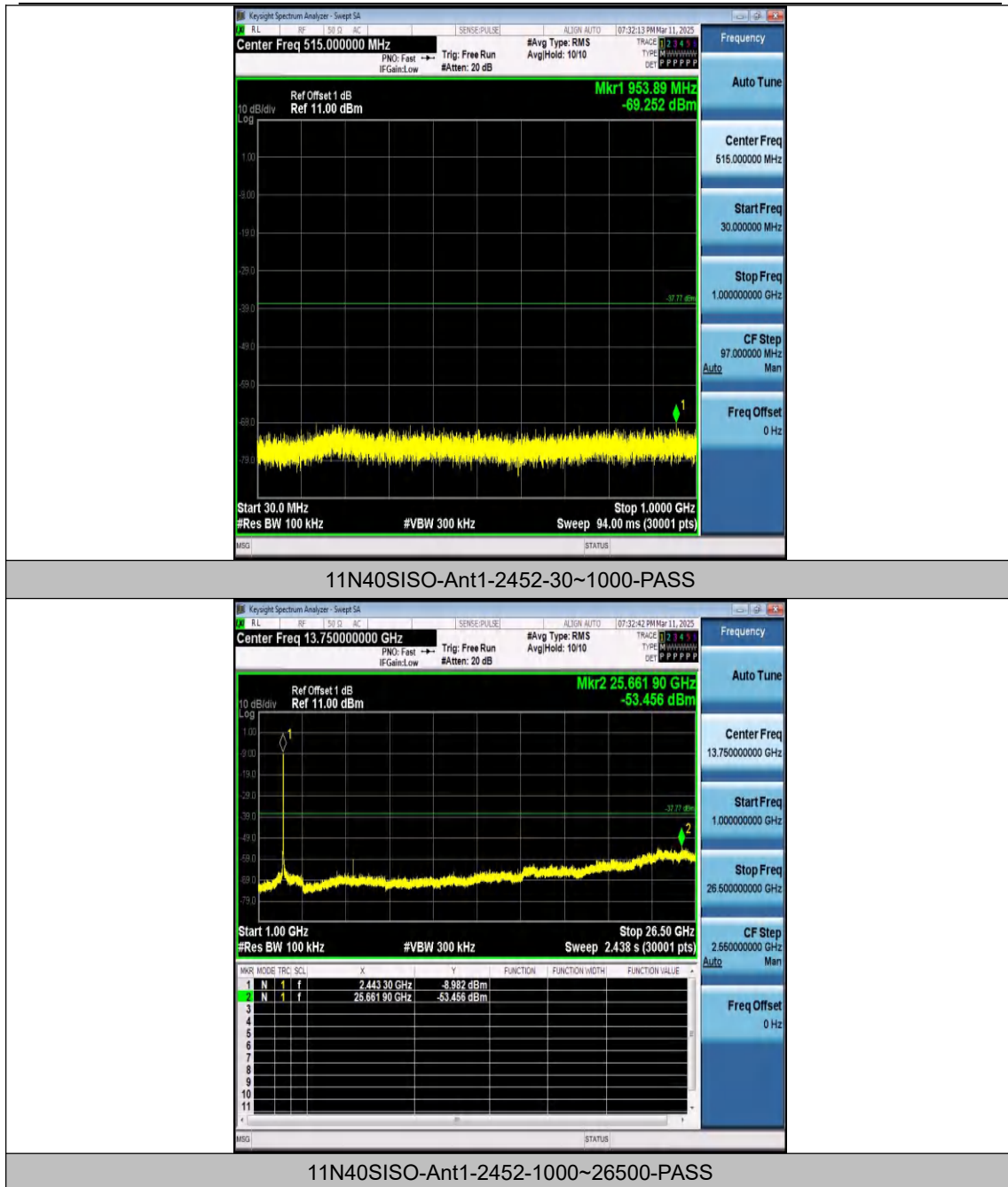




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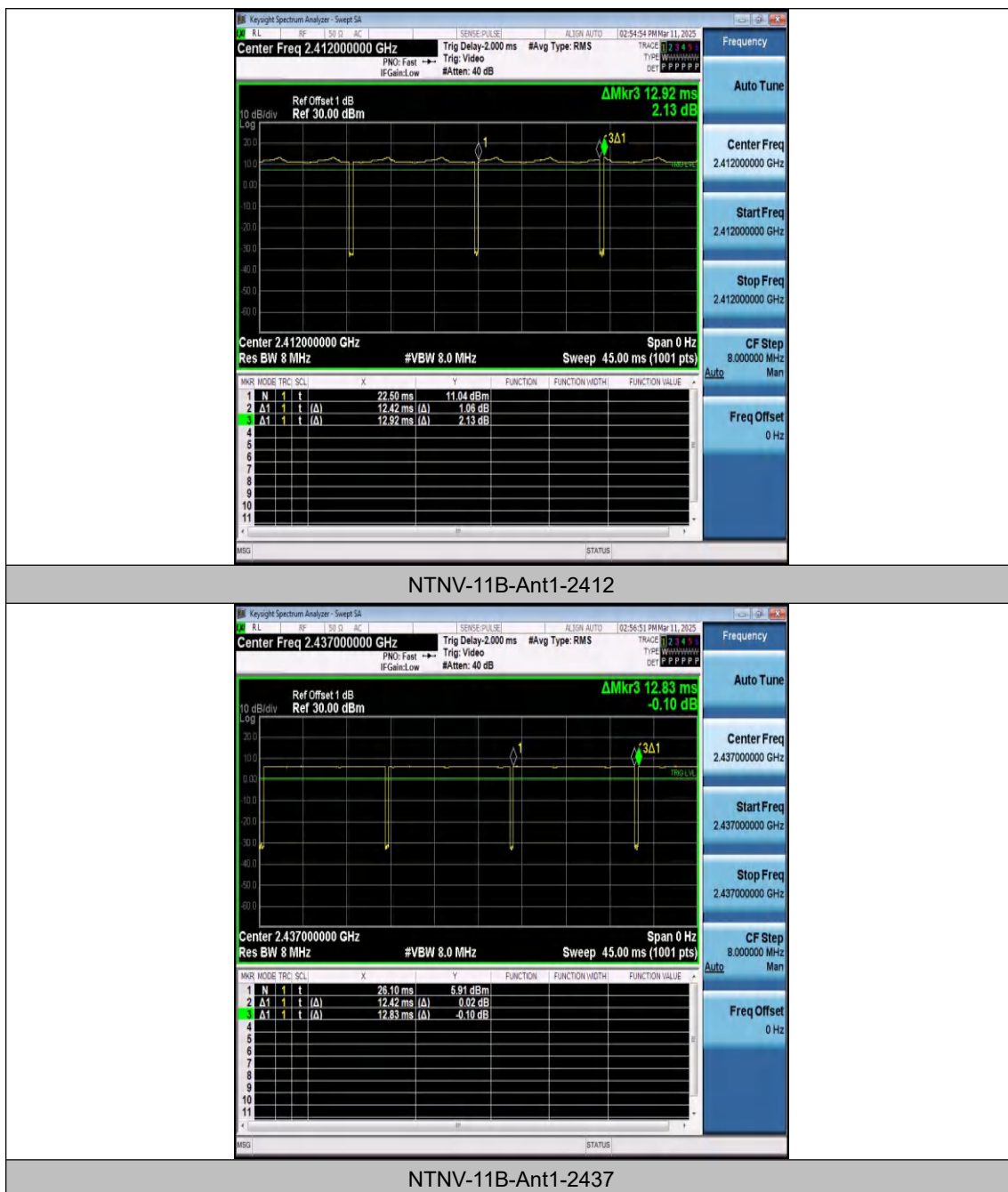
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.92	96.13	0.17
11B	Ant1	2437	12.42	12.83	96.80	0.14
11B	Ant1	2462	12.42	12.83	96.80	0.14
11G	Ant1	2412	2.07	2.29	90.39	0.44
11G	Ant1	2437	2.06	2.30	89.57	0.48
11G	Ant1	2462	2.02	2.29	88.21	0.54
11N20SISO	Ant1	2412	1.89	2.12	89.15	0.50
11N20SISO	Ant1	2437	1.89	2.12	89.15	0.50
11N20SISO	Ant1	2462	1.89	2.12	89.15	0.50
11N40SISO	Ant1	2422	0.95	1.17	81.20	0.90
11N40SISO	Ant1	2437	0.94	1.17	80.34	0.95
11N40SISO	Ant1	2452	0.90	1.13	79.65	0.99



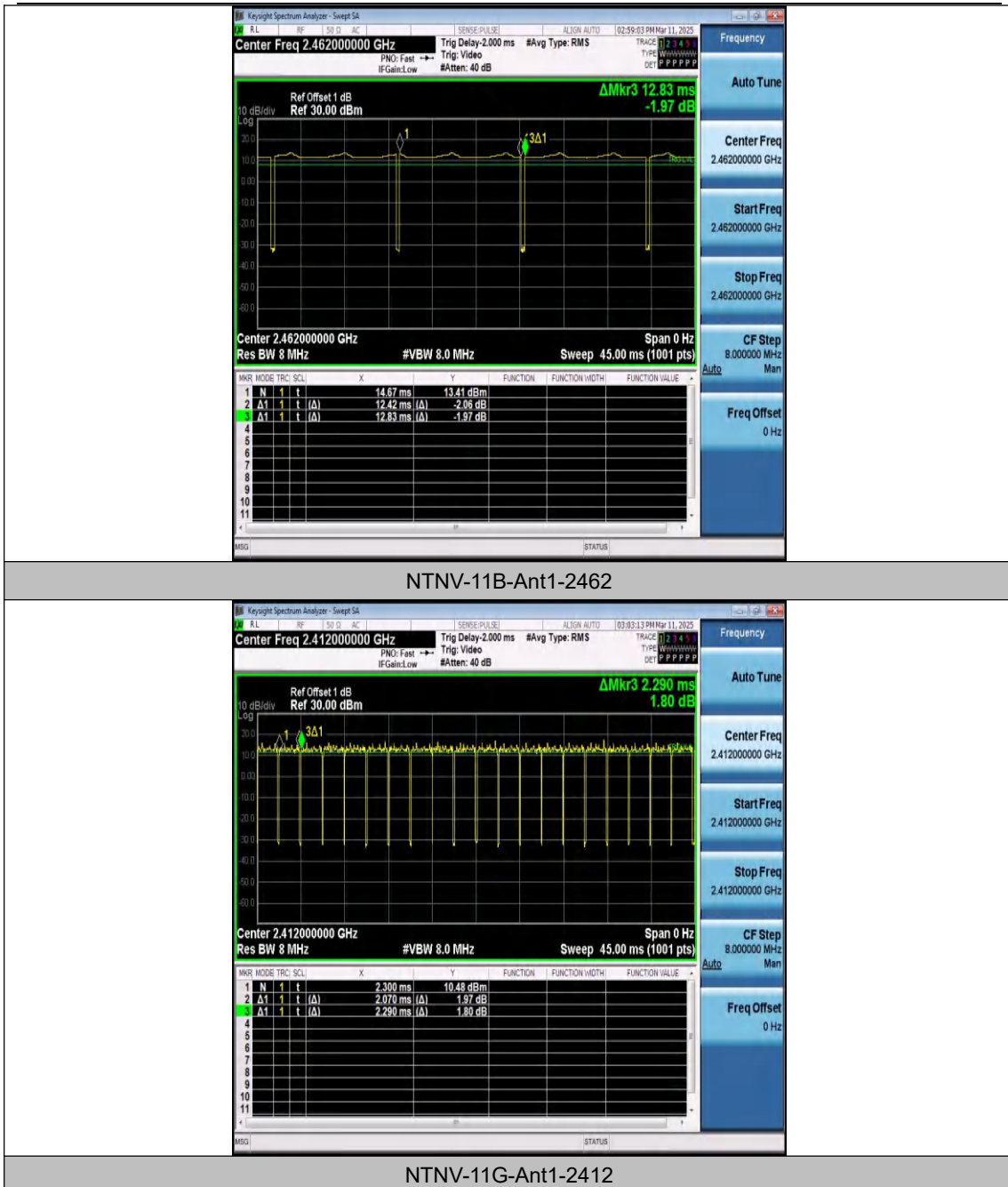
Test Graphs

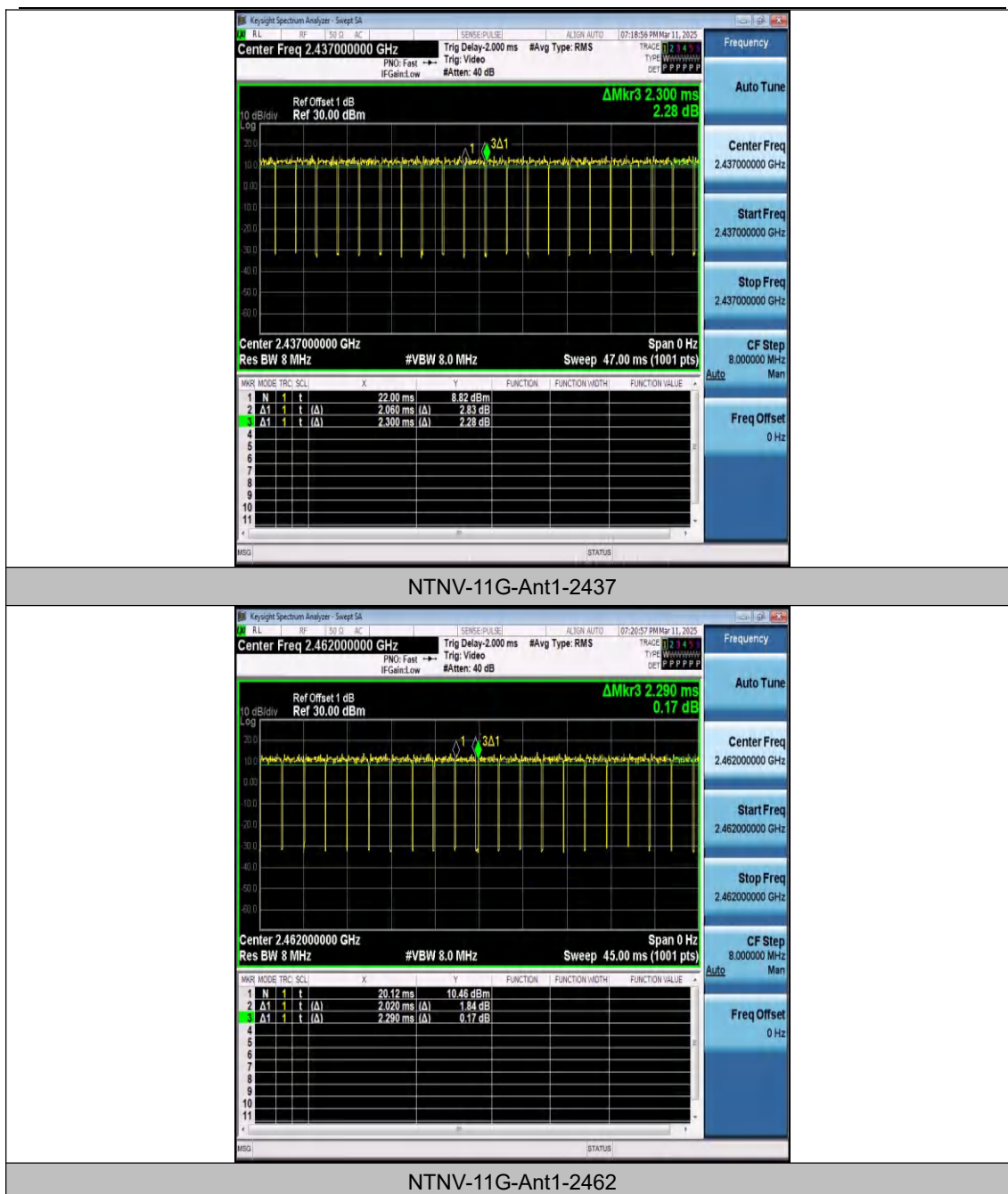


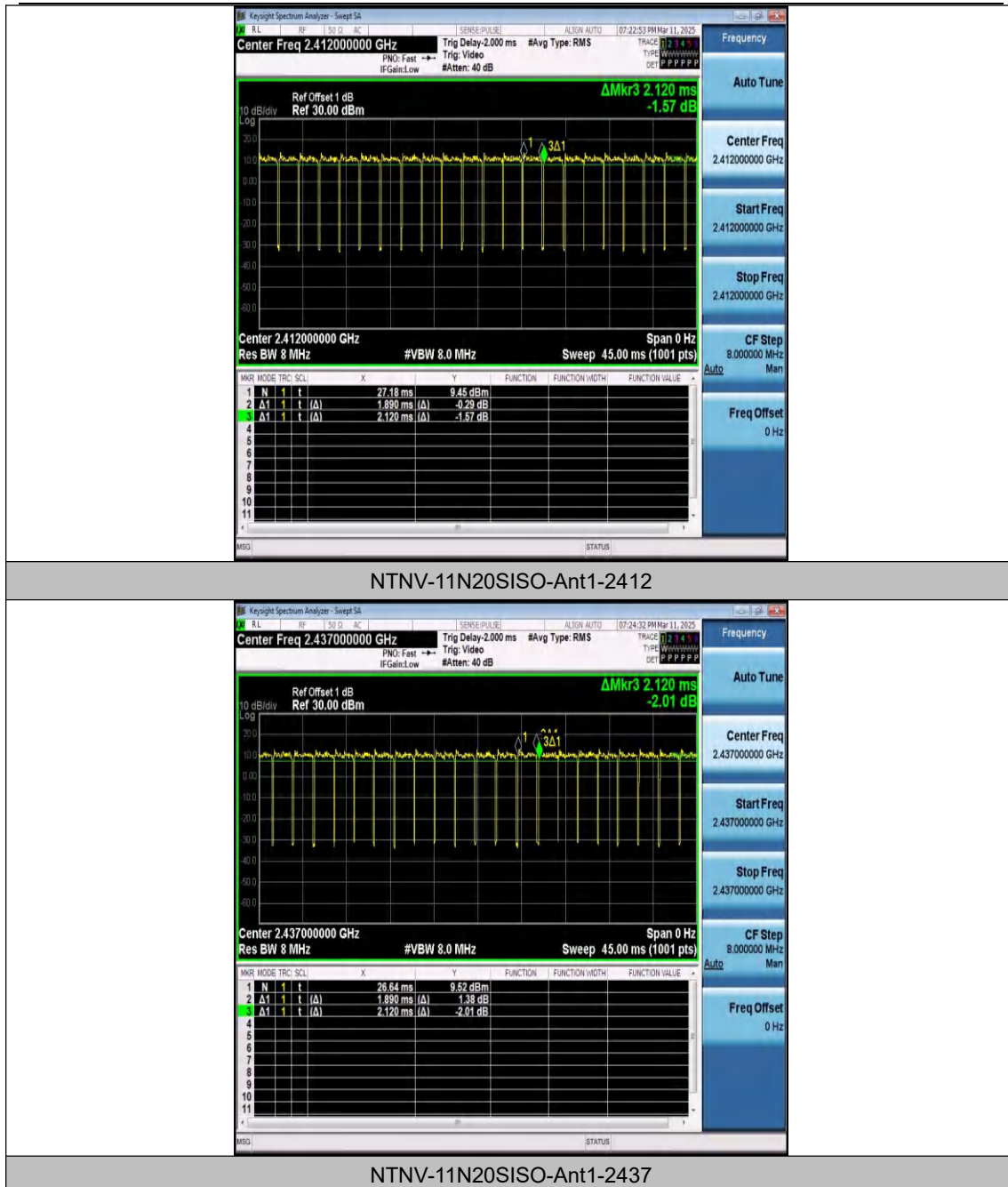
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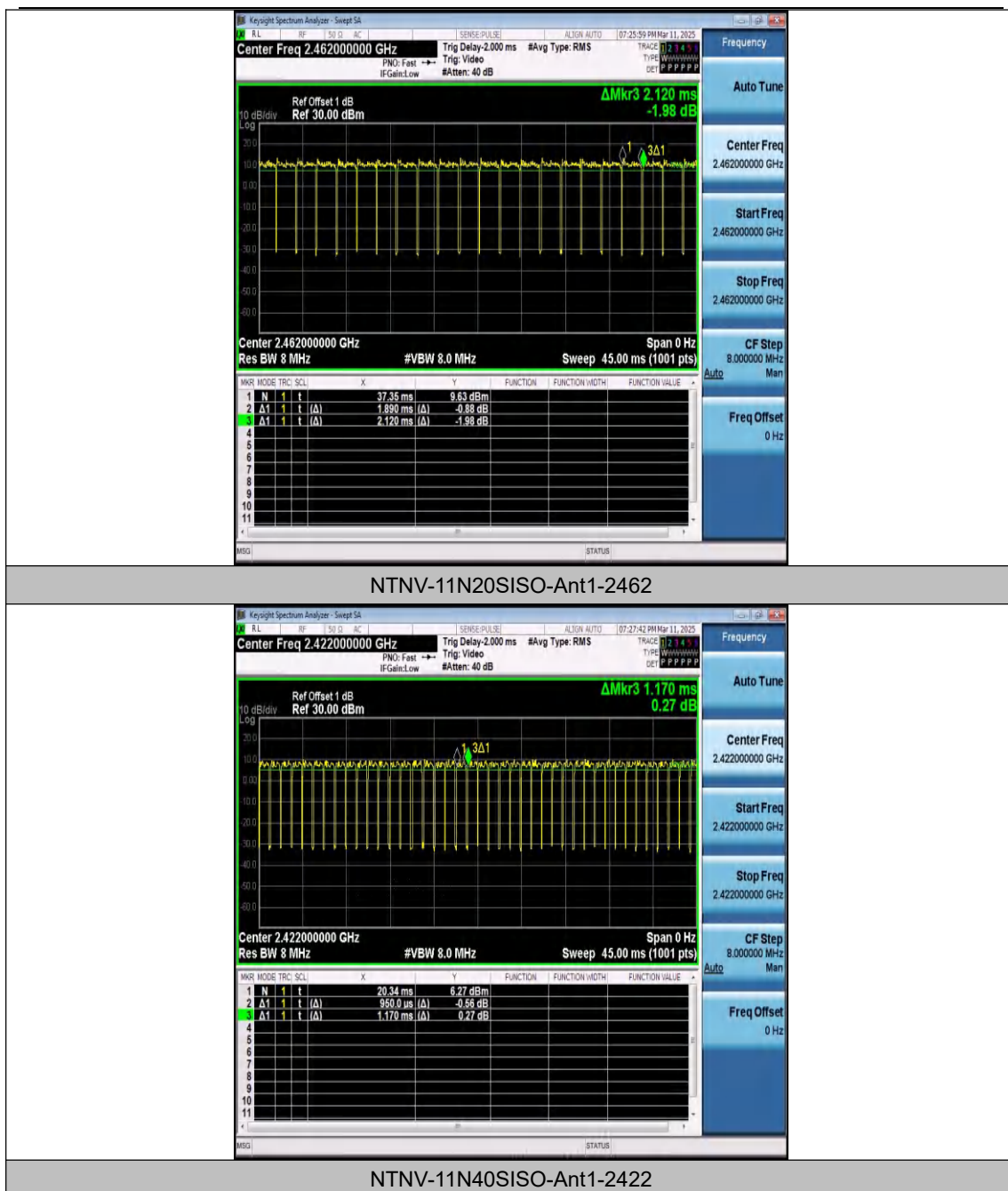
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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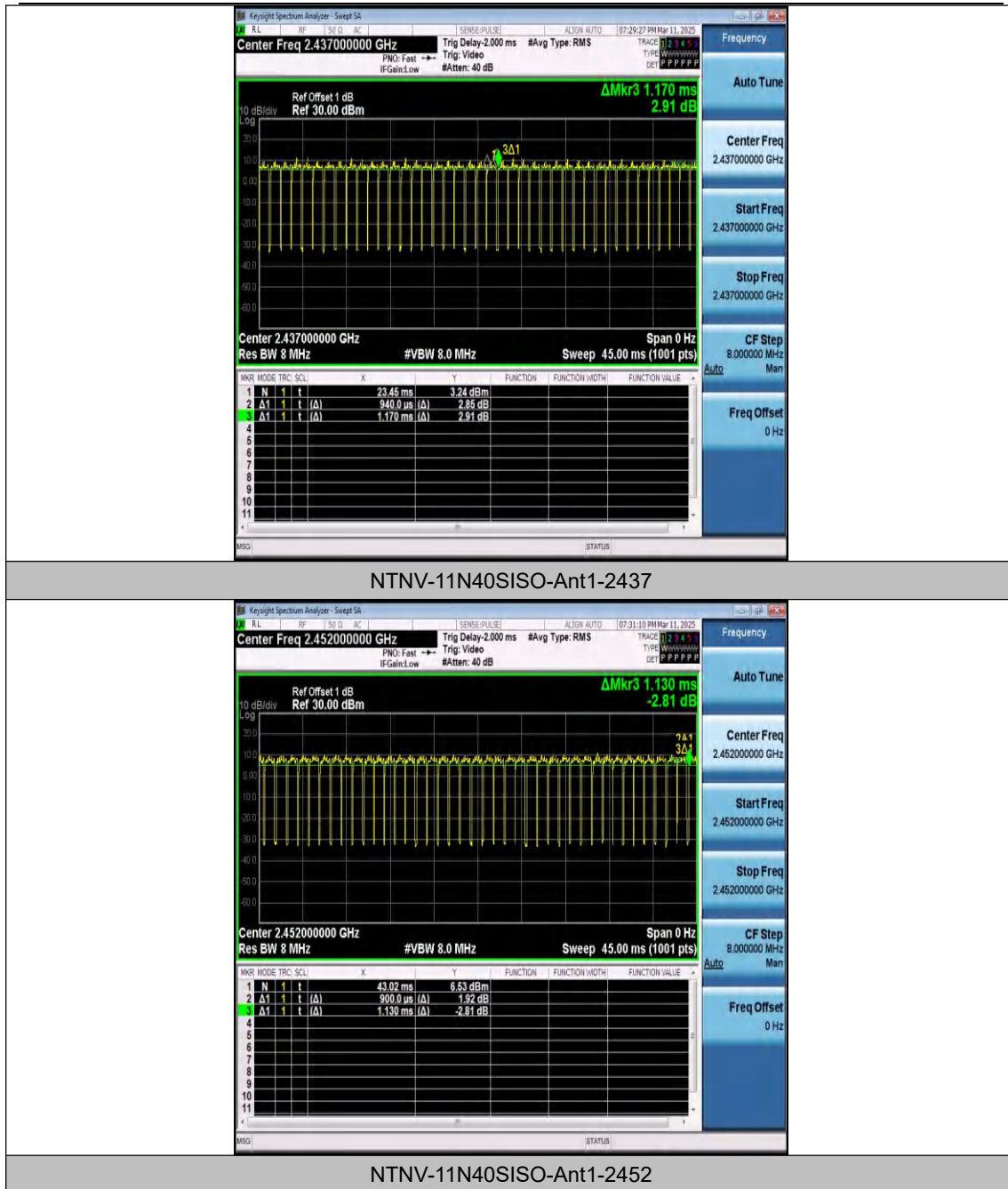
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