

Appendix Test Data

Report No.:	18220WC30136901	Test Sample No.:	1-2-2
Start Test Date:	2023.07.04	Finish Test Date:	2023.07.13
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.1°C	Relative Humidity:	59%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.680	2407.320	2417.000	≥0.5	PASS
		2437	10.040	2431.960	2442.000	≥0.5	PASS
		2462	10.040	2456.960	2467.000	≥0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462





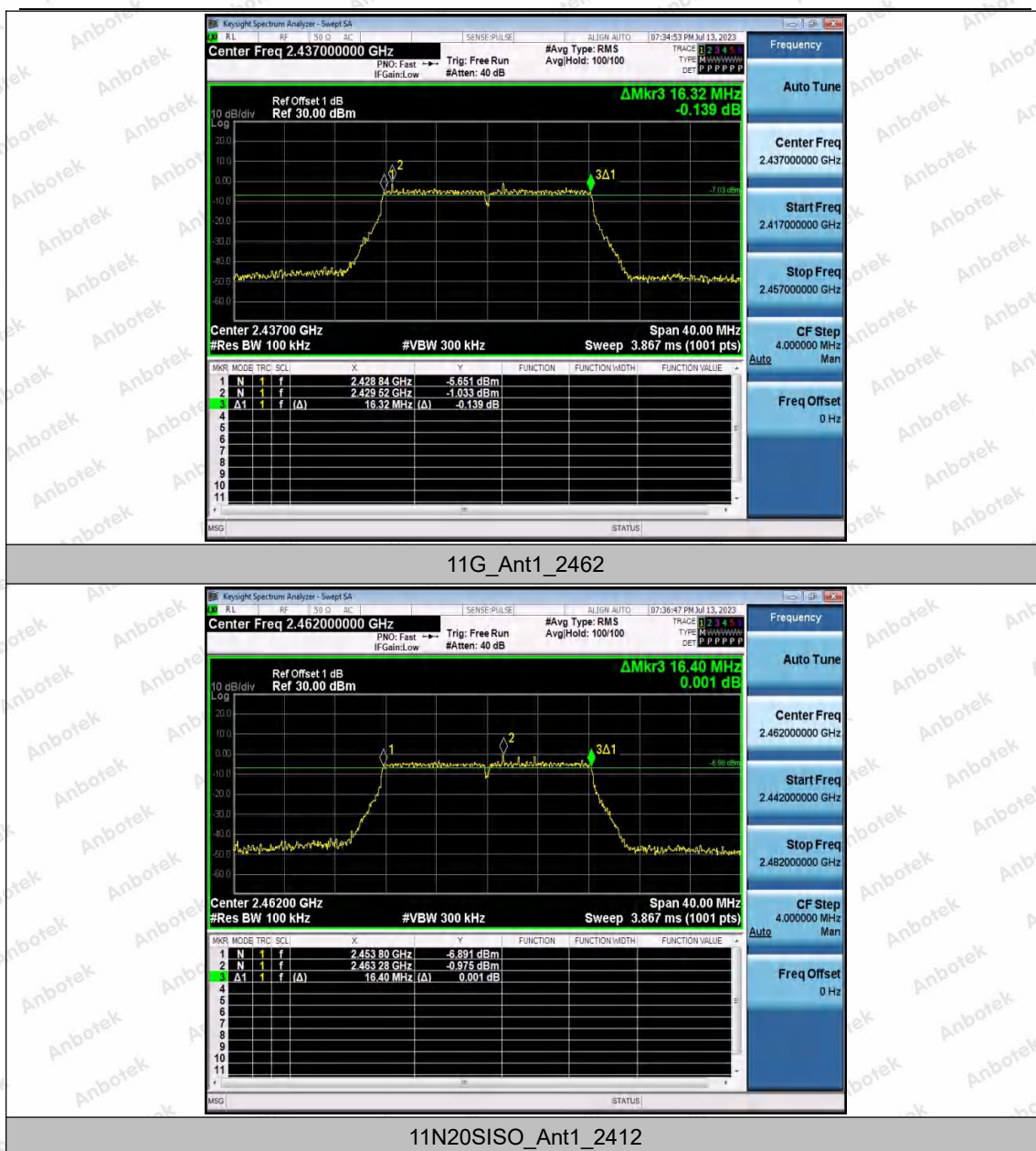
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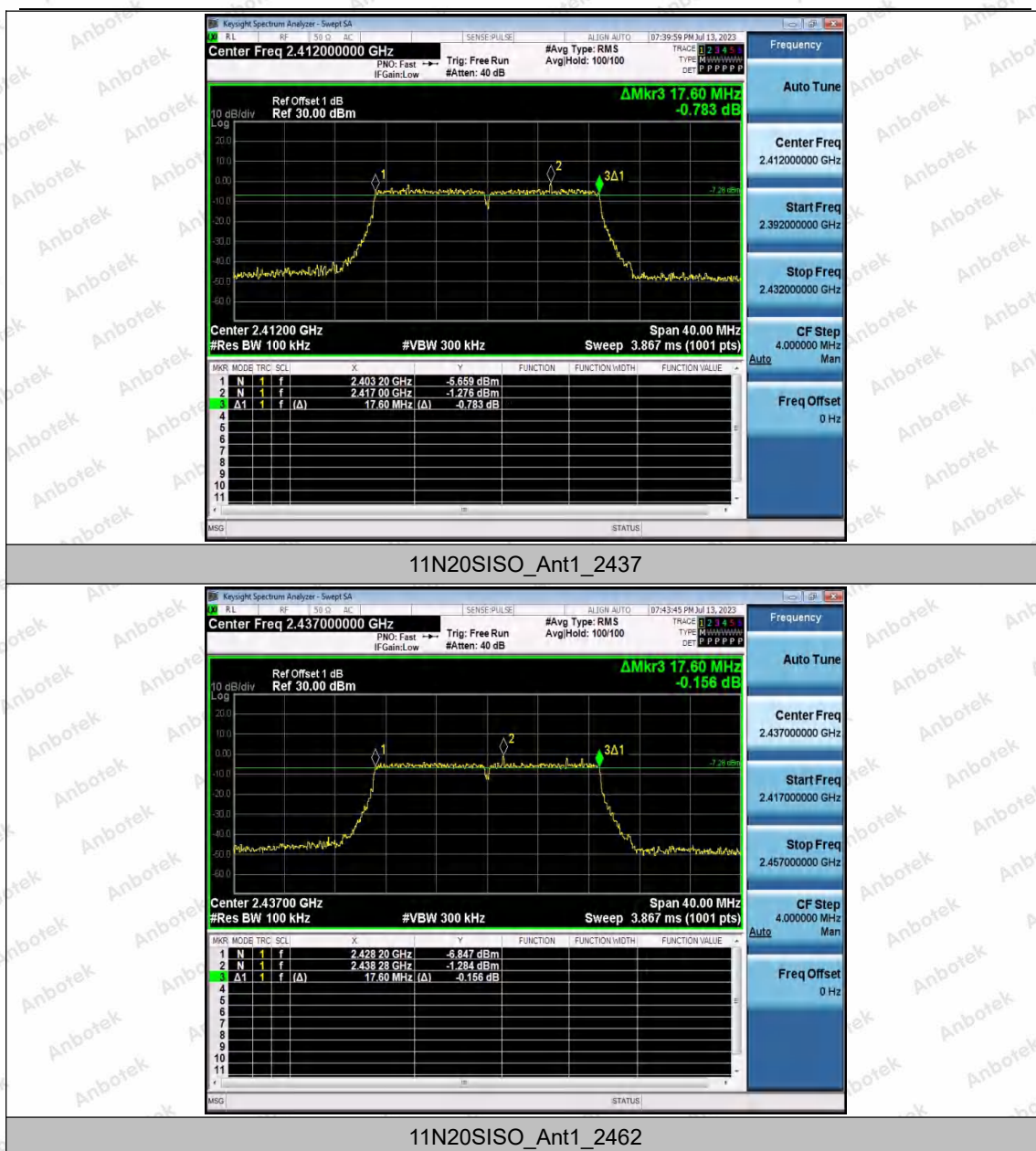
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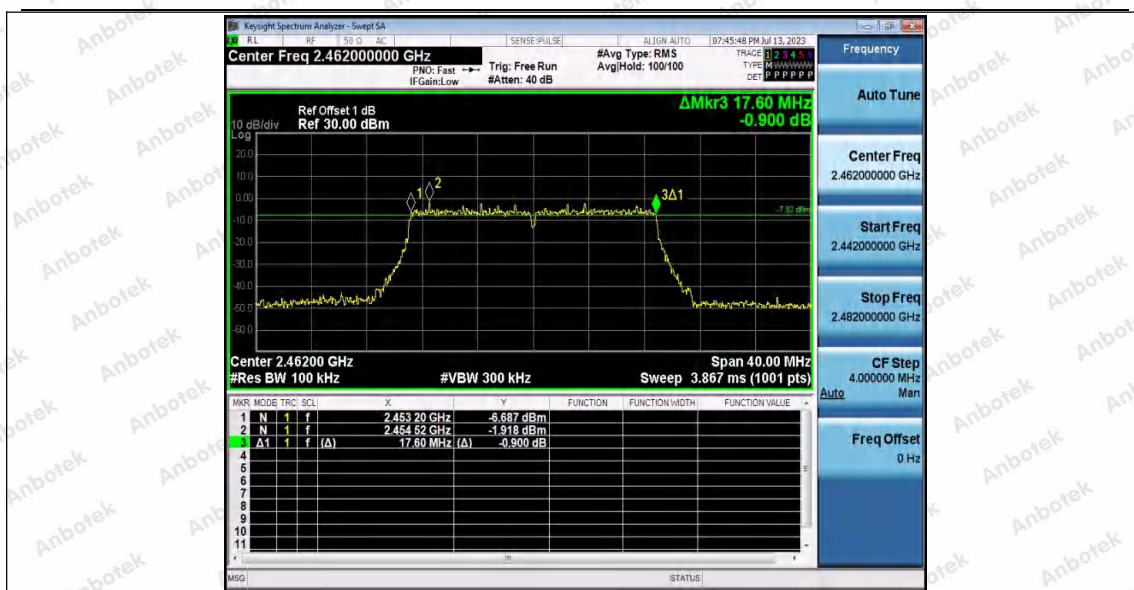
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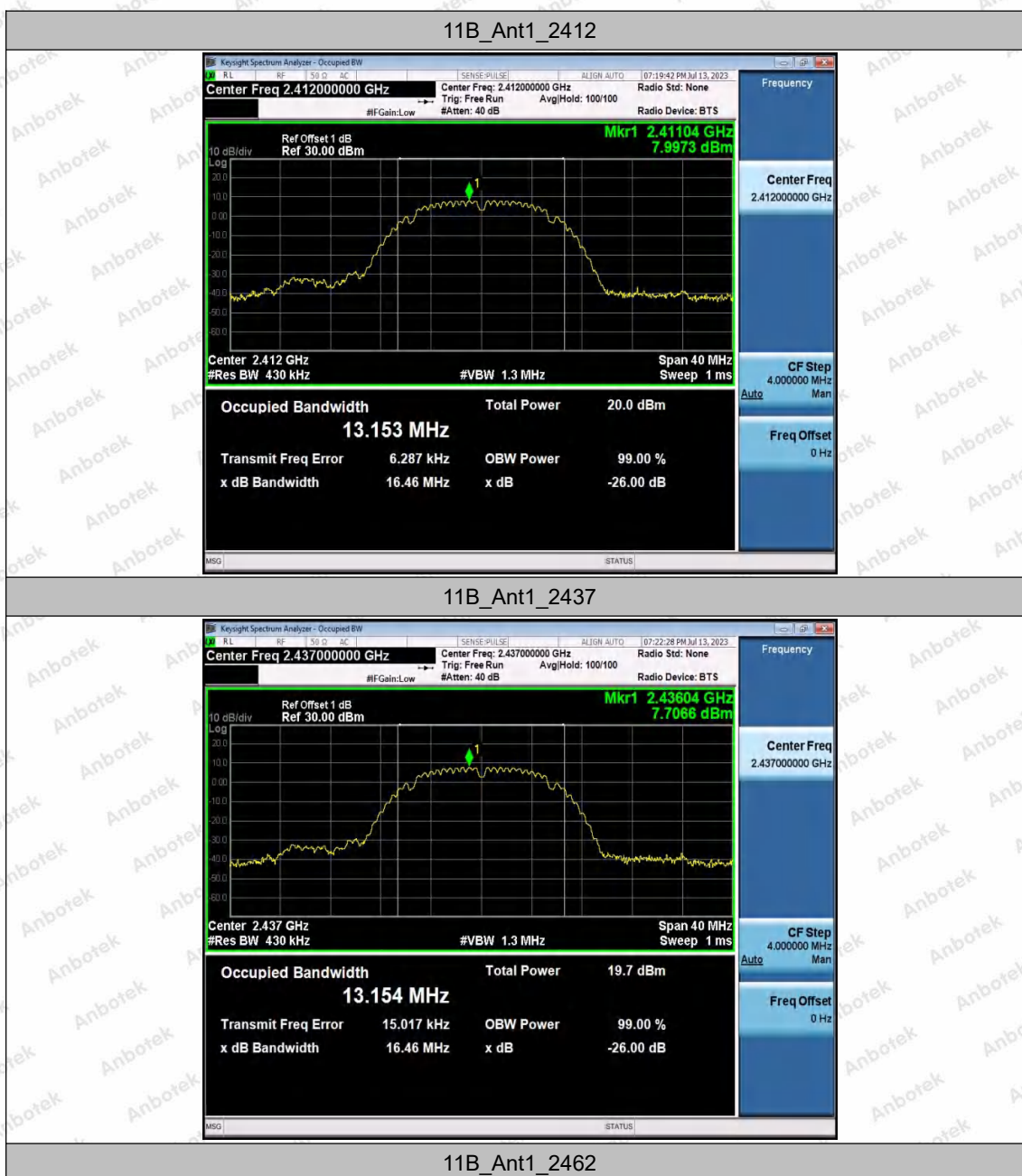
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.153	2405.4298	2418.5828	---	---
		2437	13.154	2430.4380	2443.5920	---	---
		2462	13.149	2455.4485	2468.5975	---	---
11G	Ant1	2412	16.792	2403.6325	2420.4245	---	---
		2437	16.782	2428.6347	2445.4167	---	---
		2462	16.860	2453.5959	2470.4559	---	---
11N20SISO	Ant1	2412	17.774	2403.1122	2420.8862	---	---
		2437	17.805	2428.1258	2445.9308	---	---
		2462	17.778	2453.1530	2470.9310	---	---



Test Graphs



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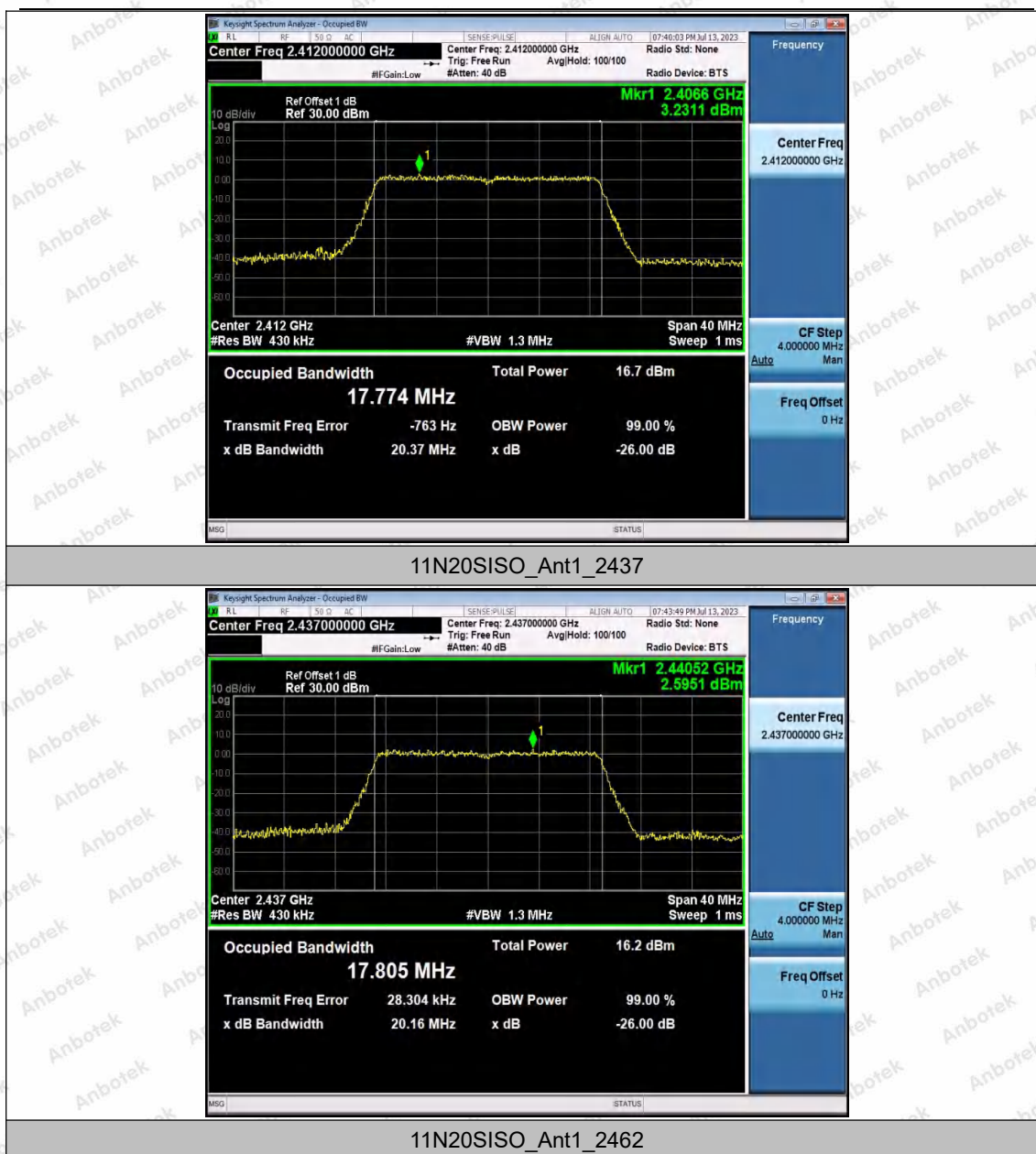
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	20.01	≤30.00
		2437	19.68	≤30.00
		2462	19.22	≤30.00
11G	Ant1	2412	18.69	≤30.00
		2437	17.45	≤30.00
		2462	17.65	≤30.00
11N20SISO	Ant1	2412	17.87	≤30.00
		2437	17.35	≤30.00
		2462	16.89	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.17	≤8.00	PASS
		2437	-6.56	≤8.00	PASS
		2462	-7.25	≤8.00	PASS
11G	Ant1	2412	-11.83	≤8.00	PASS
		2437	-15.13	≤8.00	PASS
		2462	-14.06	≤8.00	PASS
11N20SISO	Ant1	2412	-15.34	≤8.00	PASS
		2437	-13.84	≤8.00	PASS
		2462	-15.84	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

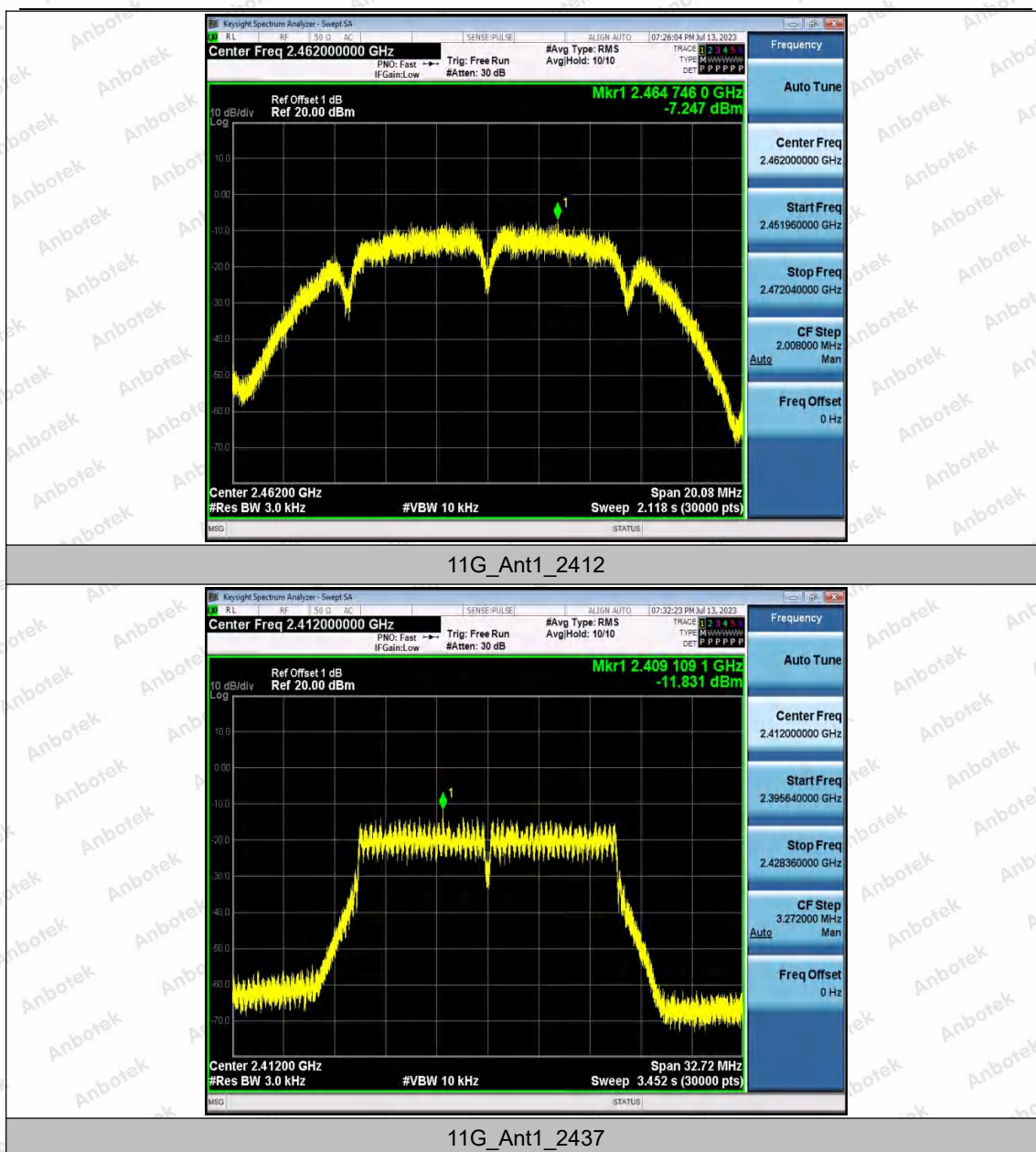
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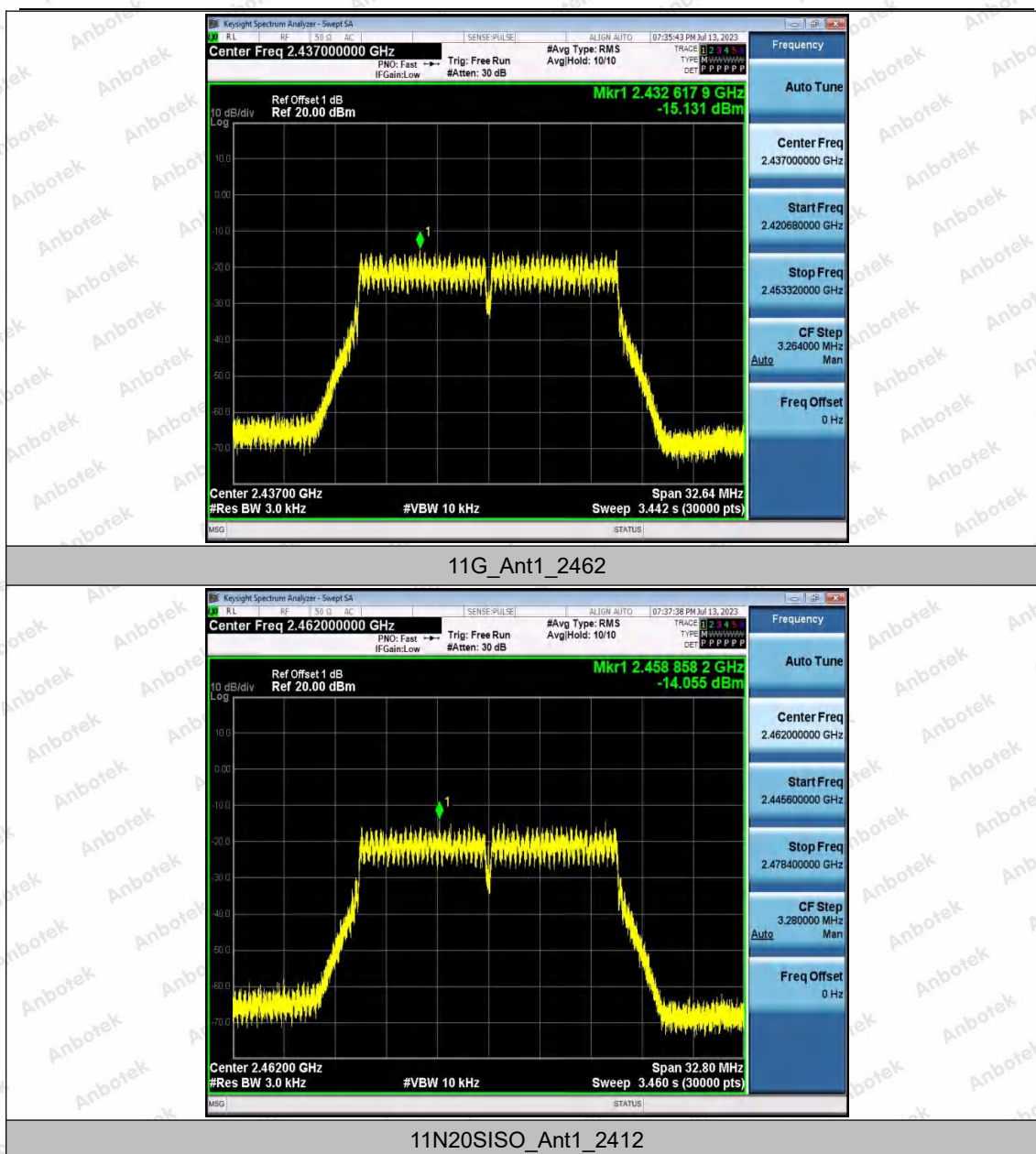
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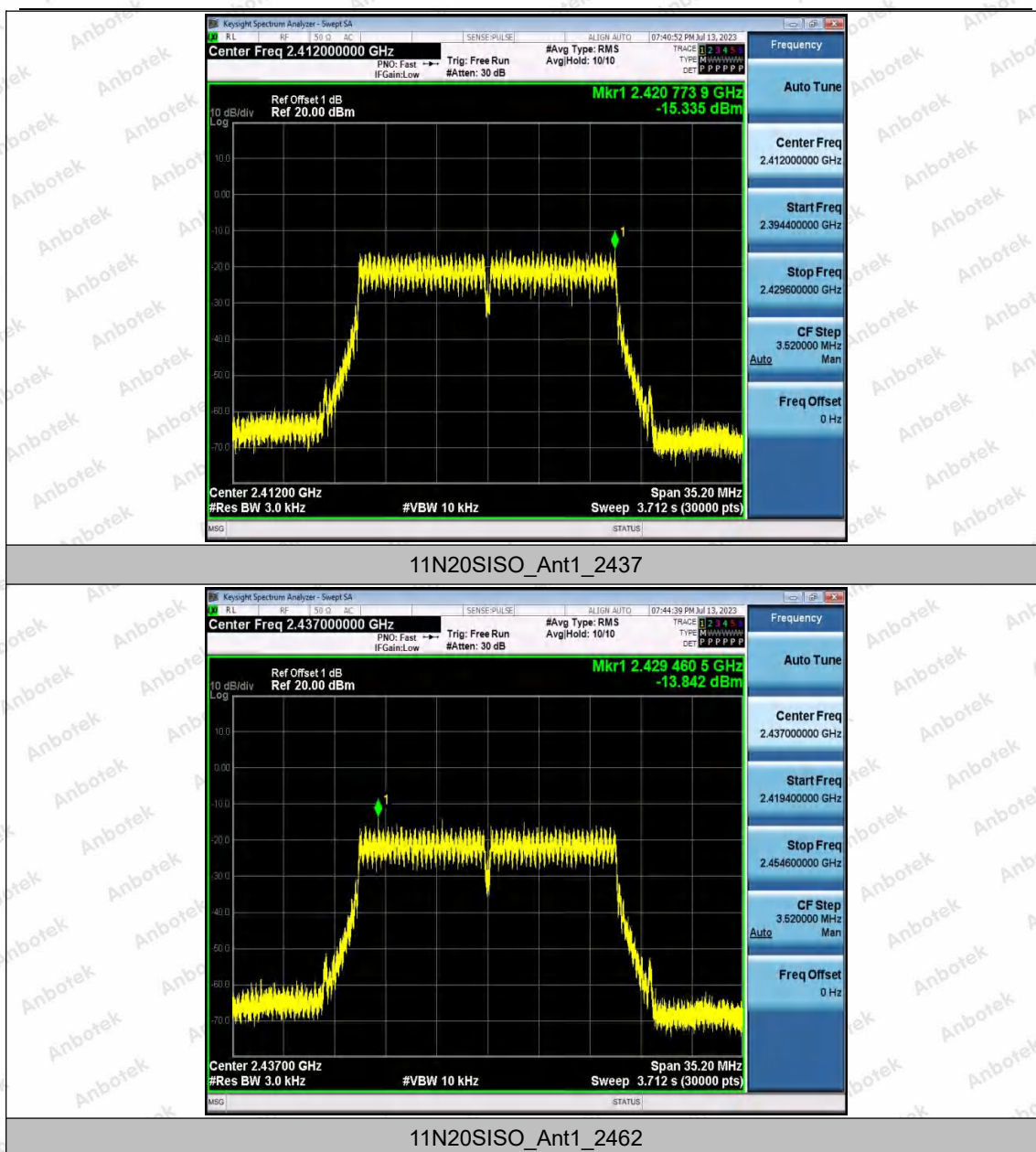
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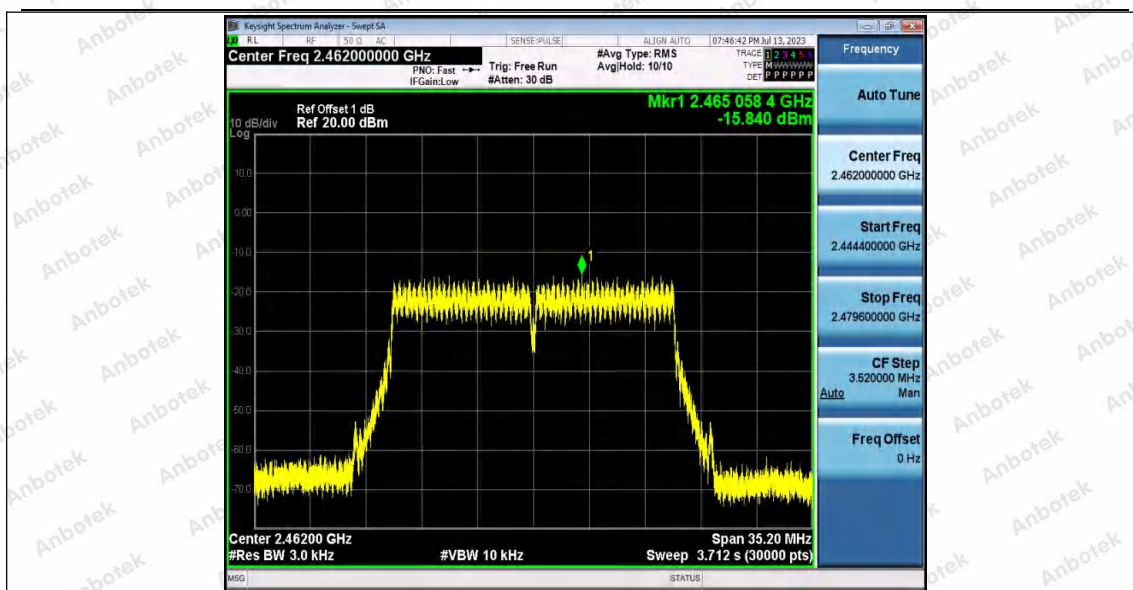
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.85	-33.85	≤-12.15	PASS
		High	2462	6.00	-48.22	≤-14	PASS
11G	Ant1	Low	2412	-0.40	-41.03	≤-20.4	PASS
		High	2462	-0.83	-49.89	≤-20.83	PASS
11N20SISO	Ant1	Low	2412	-0.88	-42.94	≤-20.88	PASS
		High	2462	-1.97	-50.68	≤-21.97	PASS

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Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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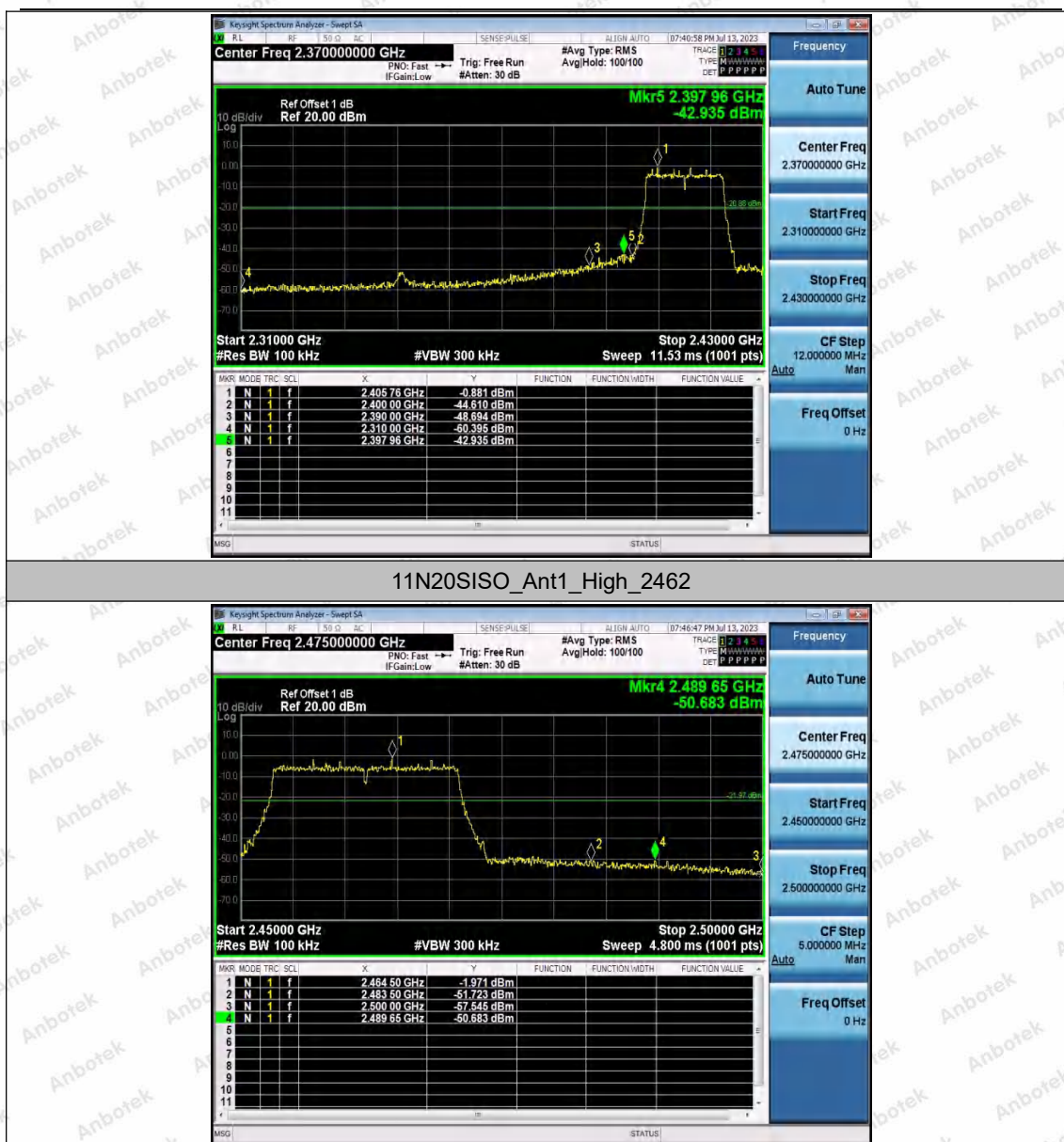
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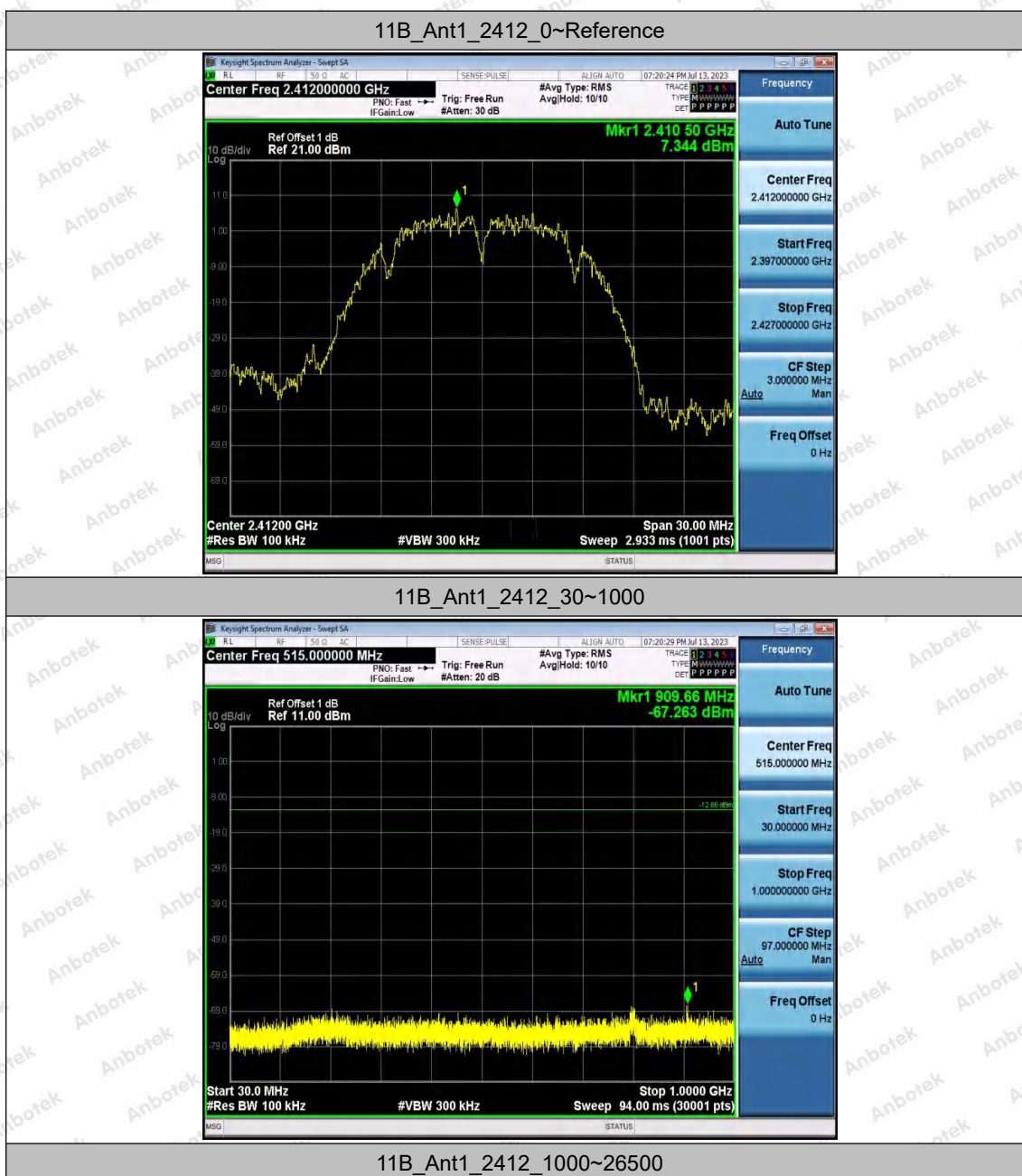
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.34	7.34	---	PASS
			30~1000	7.34	-67.26	≤-12.66	PASS
			1000~26500	7.34	-43.77	≤-12.66	PASS
		2437	Reference	6.04	6.04	---	PASS
			30~1000	6.04	-65.48	≤-13.96	PASS
			1000~26500	6.04	-43.44	≤-13.96	PASS
		2462	Reference	6.34	6.34	---	PASS
			30~1000	6.34	-65.11	≤-13.66	PASS
			1000~26500	6.34	-43.33	≤-13.66	PASS
11G	Ant1	2412	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-67.64	≤-20.25	PASS
			1000~26500	-0.25	-53.48	≤-20.25	PASS
		2437	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-67.51	≤-21	PASS
			1000~26500	-1.00	-53.82	≤-21	PASS
		2462	Reference	-3.97	-3.97	---	PASS
			30~1000	-3.97	-68.31	≤-23.97	PASS
			1000~26500	-3.97	-54.04	≤-23.97	PASS
11N20SISO	Ant1	2412	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-67.82	≤-22.89	PASS
			1000~26500	-2.89	-53.21	≤-22.89	PASS
		2437	Reference	-4.68	-4.68	---	PASS
			30~1000	-4.68	-67.58	≤-24.68	PASS
			1000~26500	-4.68	-53.44	≤-24.68	PASS
		2462	Reference	-3.68	-3.68	---	PASS
			30~1000	-3.68	-67.54	≤-23.68	PASS
			1000~26500	-3.68	-53.21	≤-23.68	PASS



Test Graphs



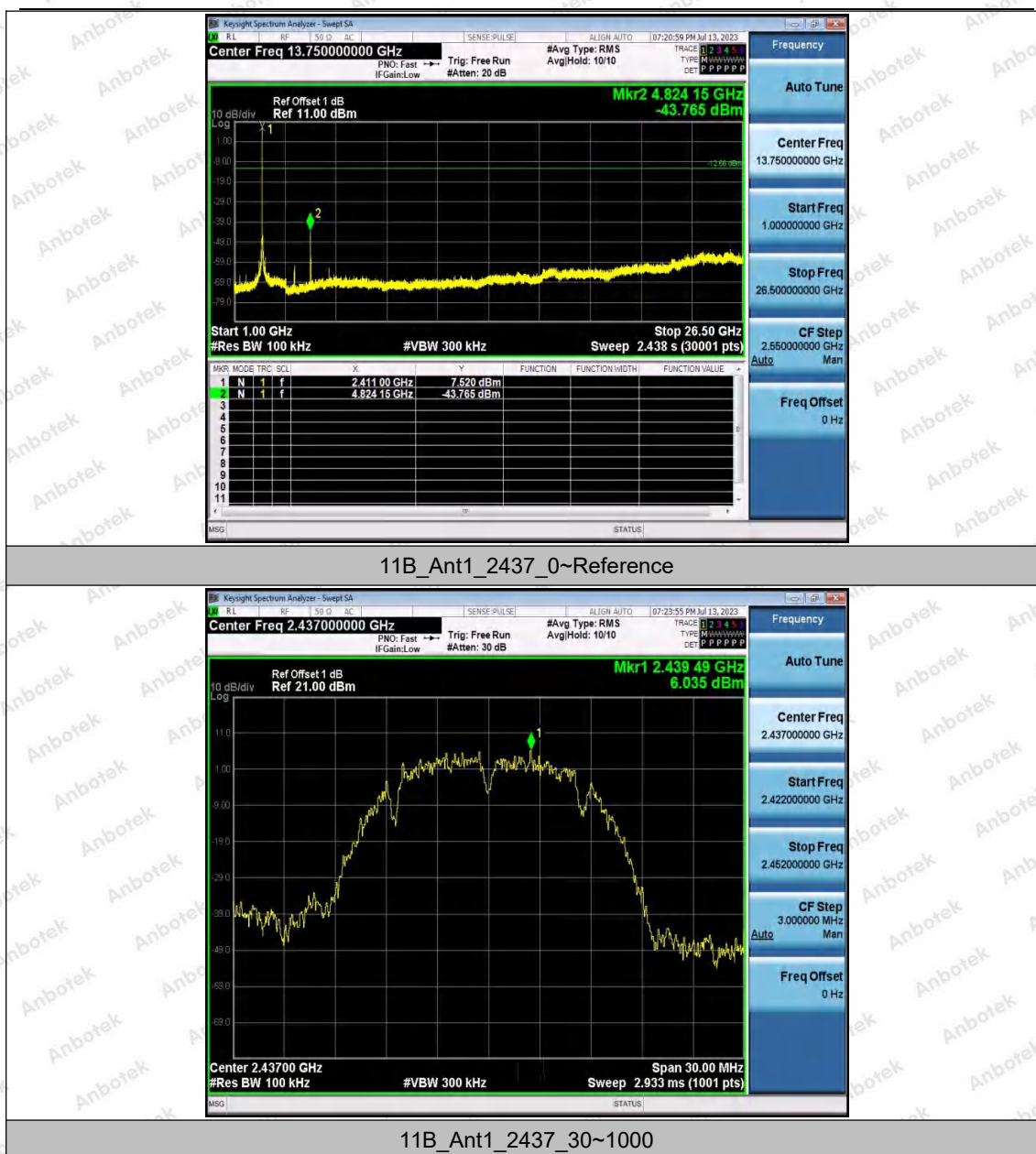
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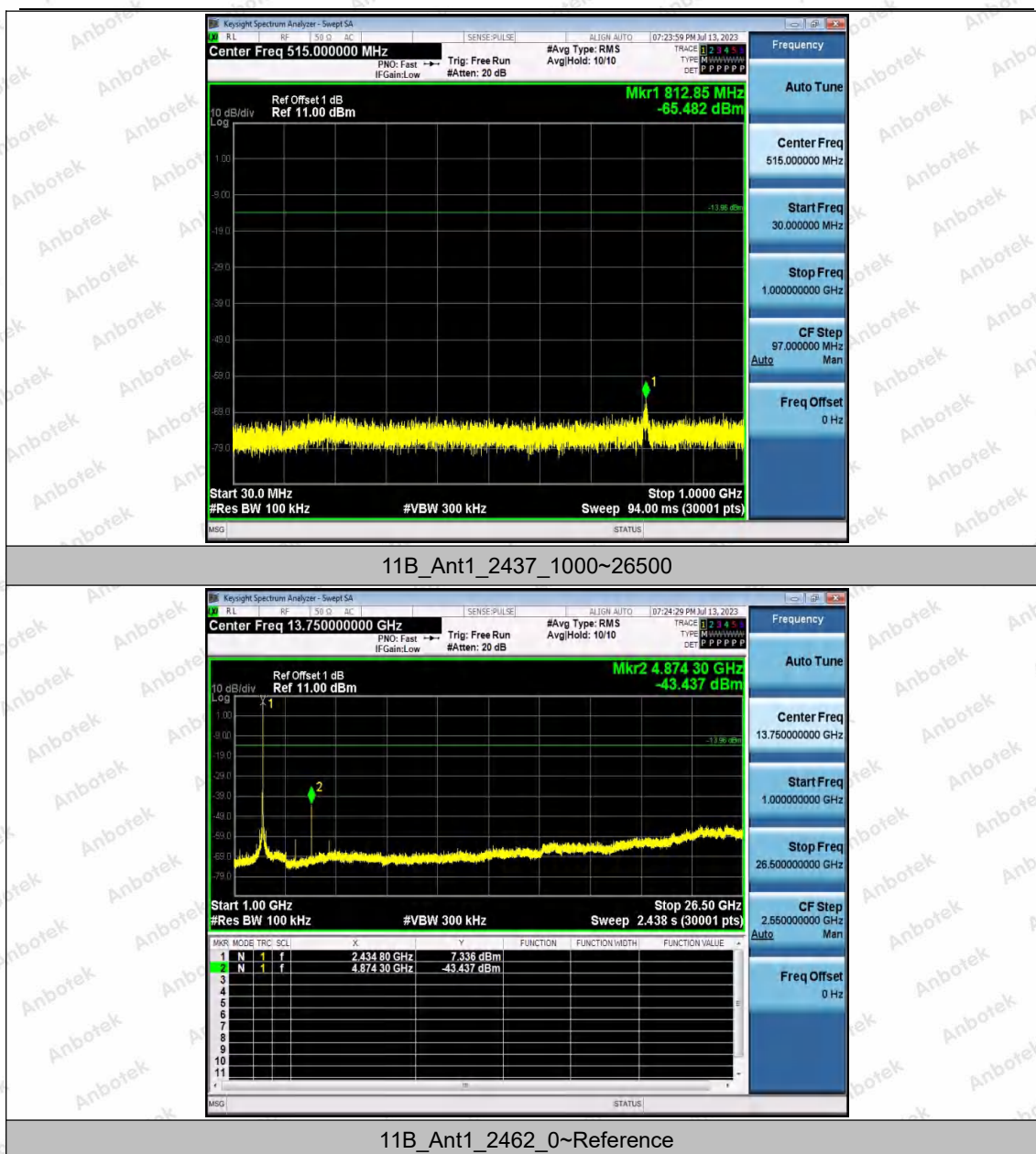
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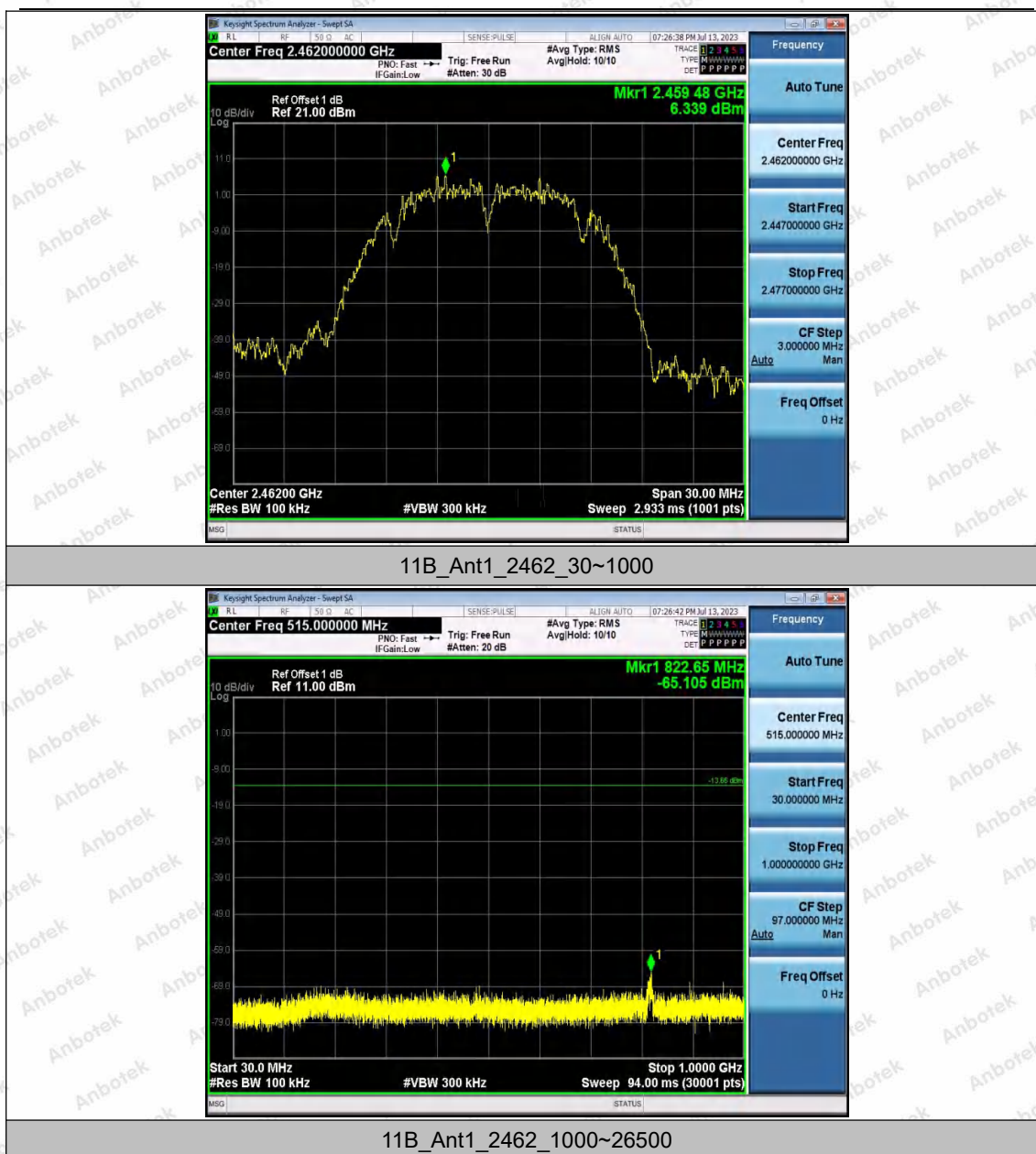
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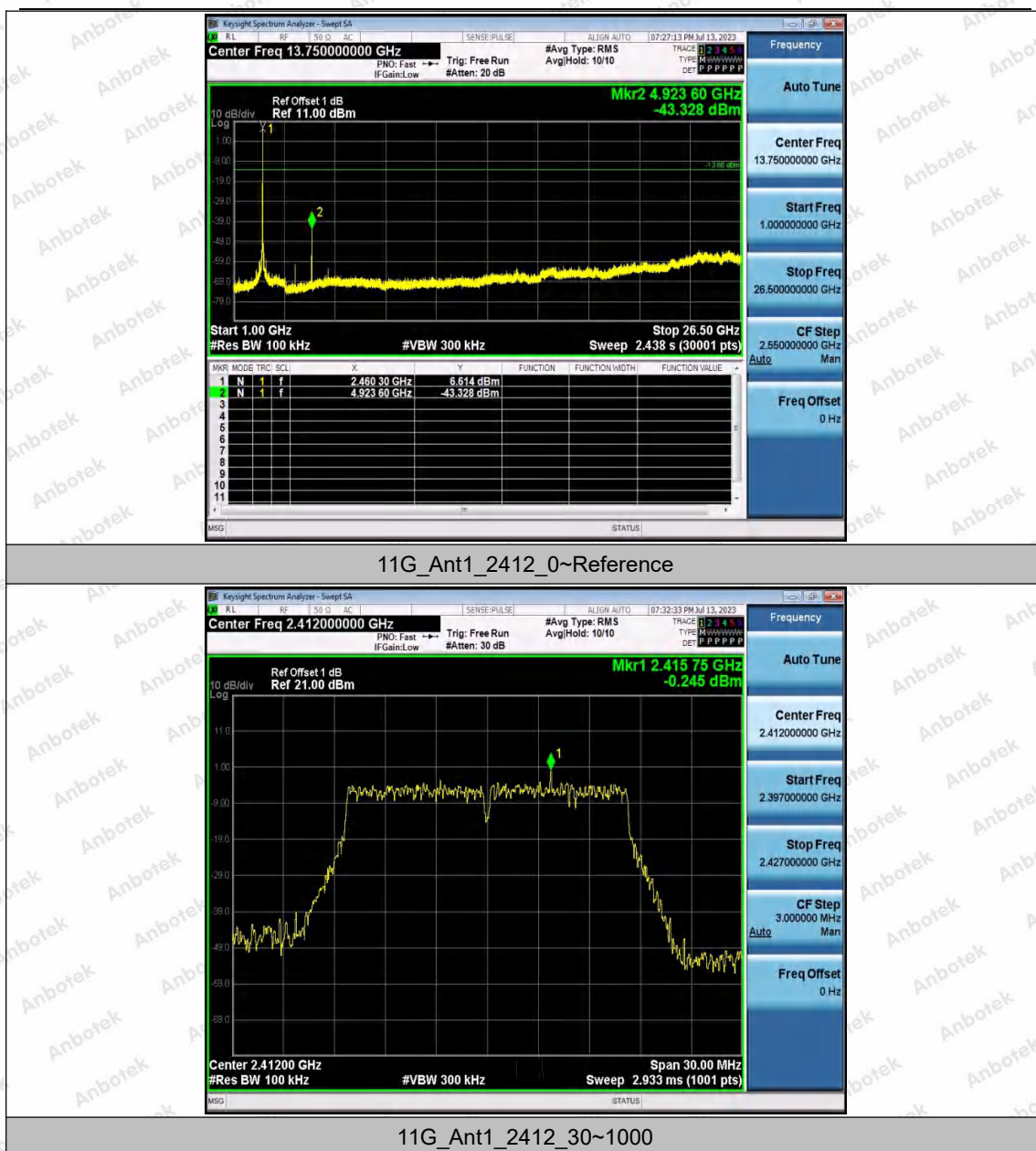
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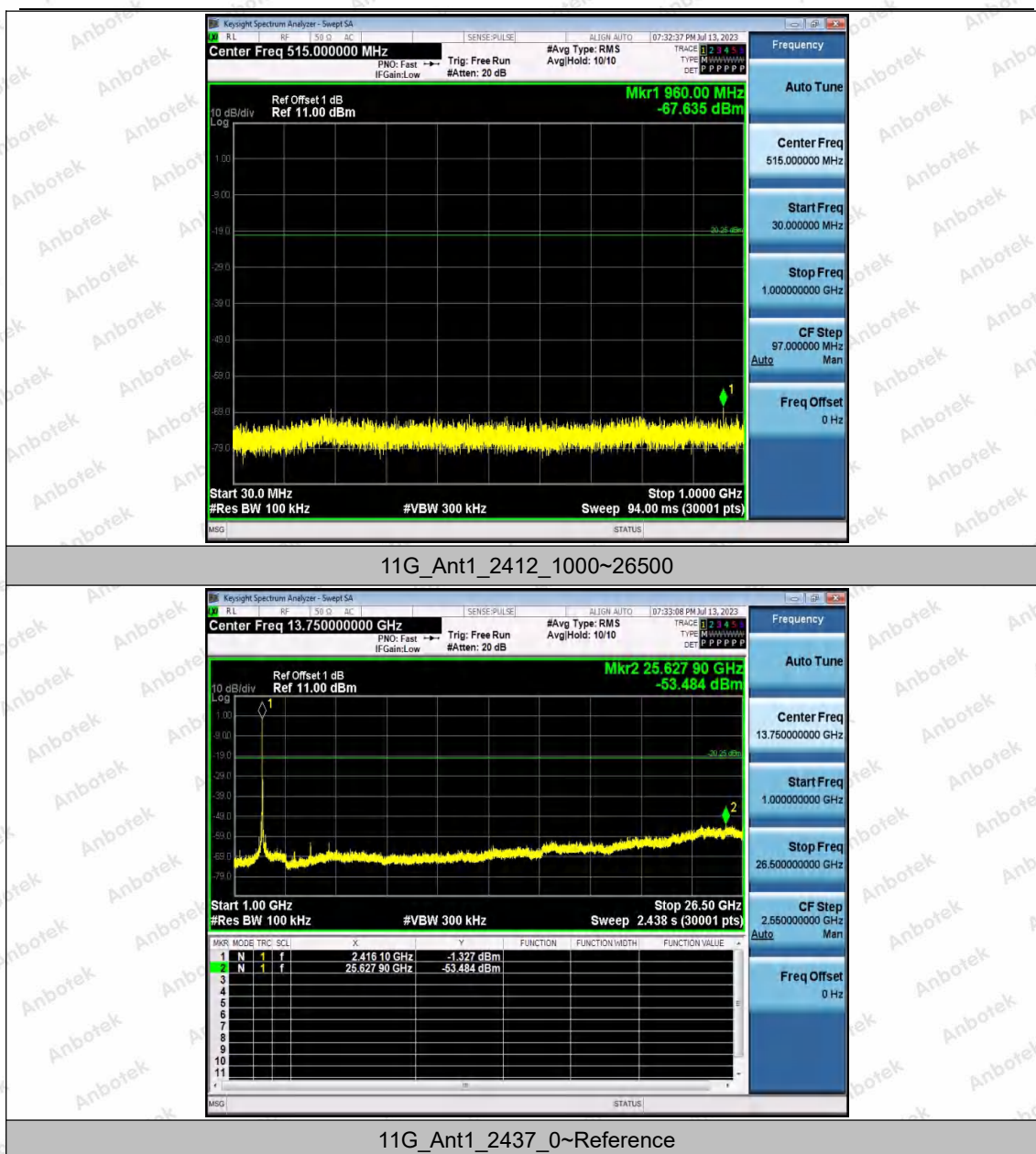
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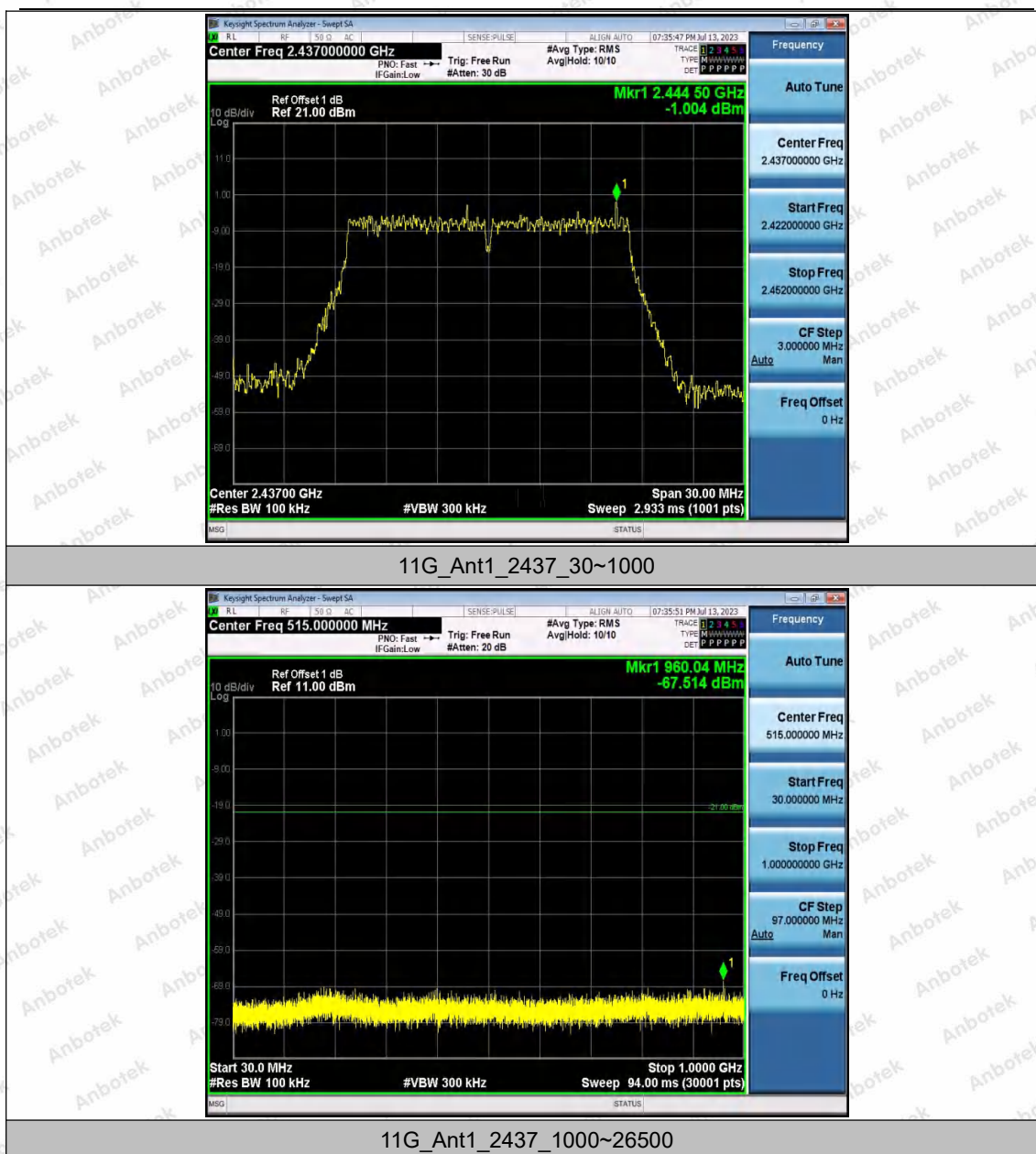
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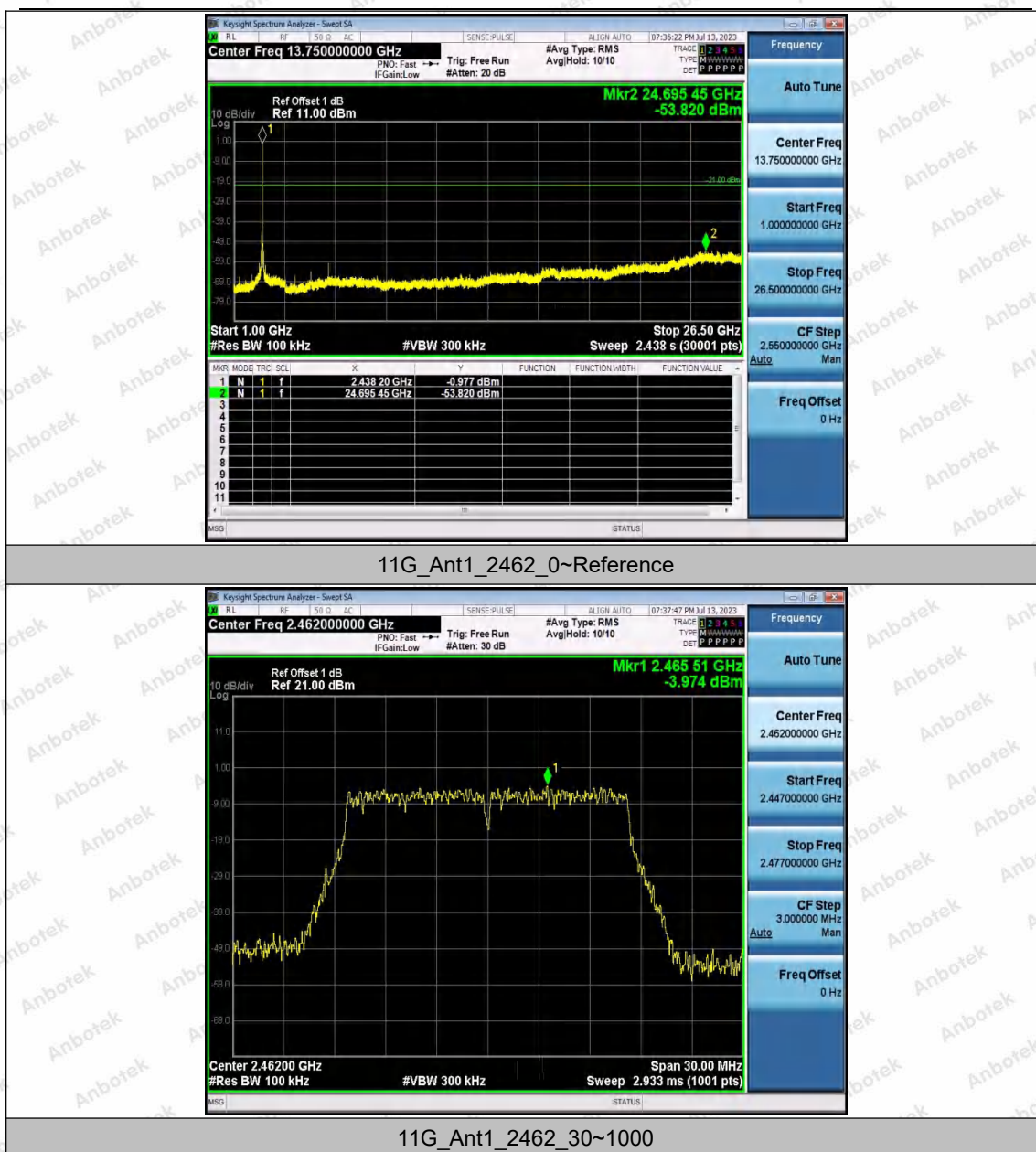
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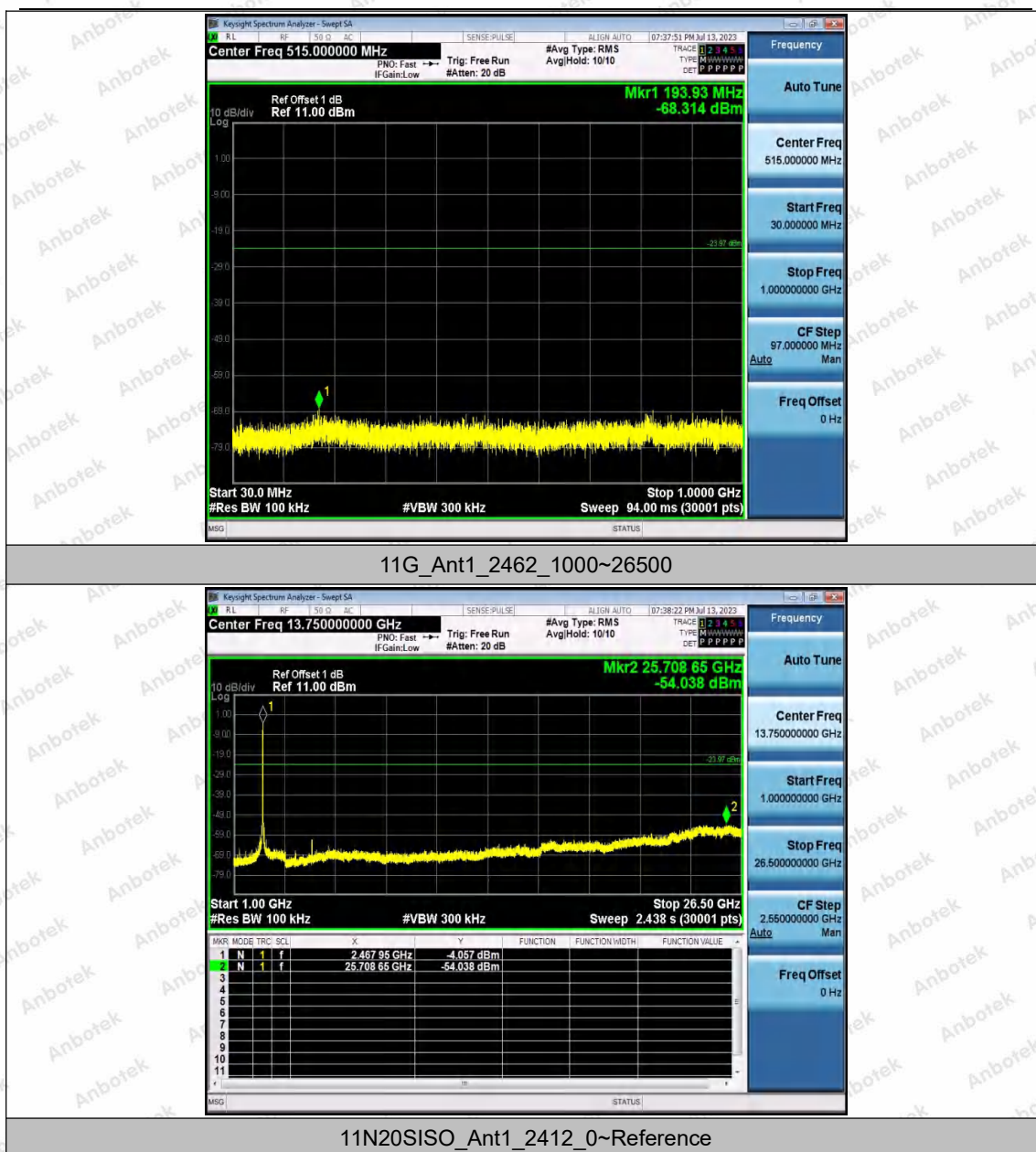
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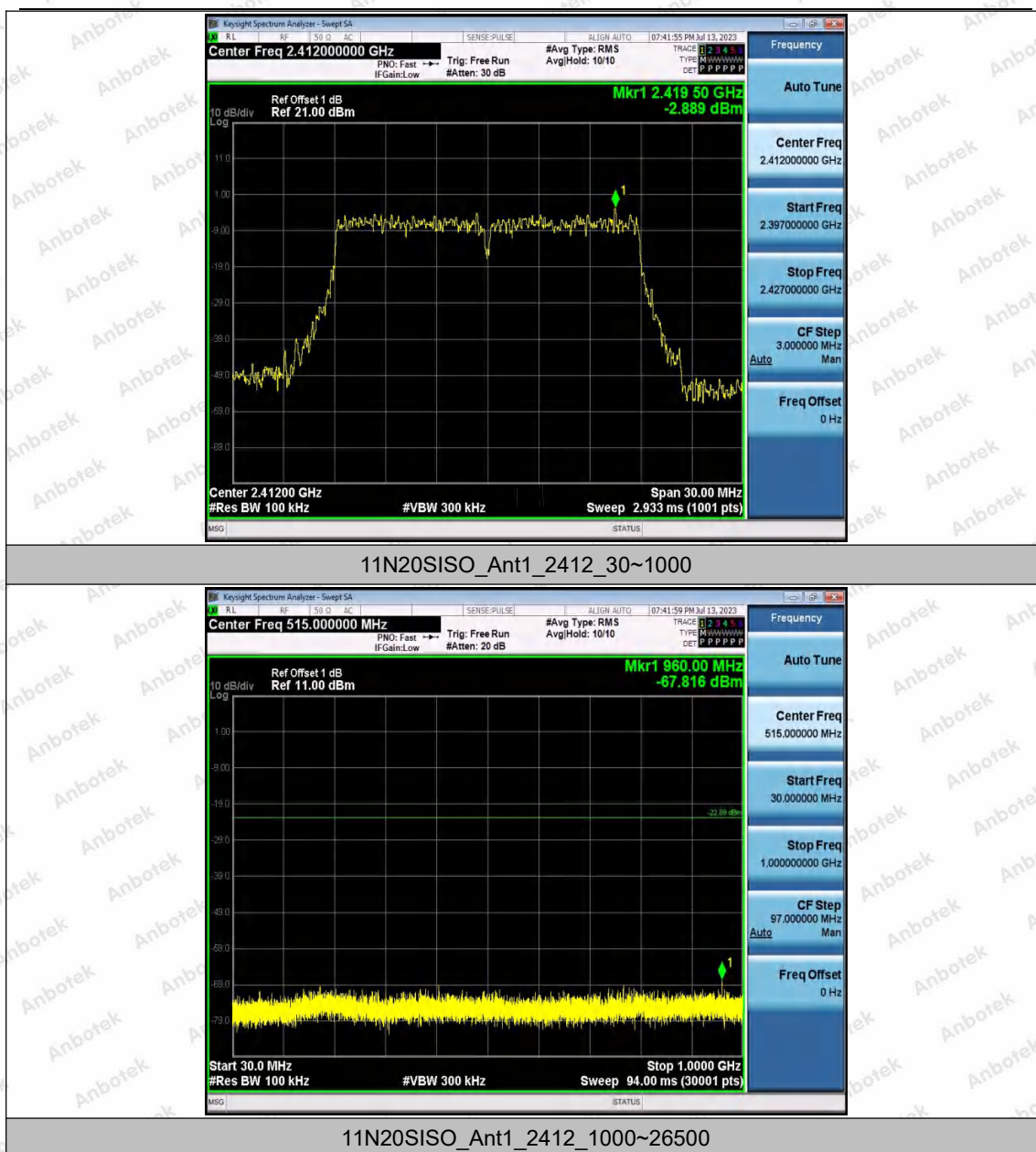
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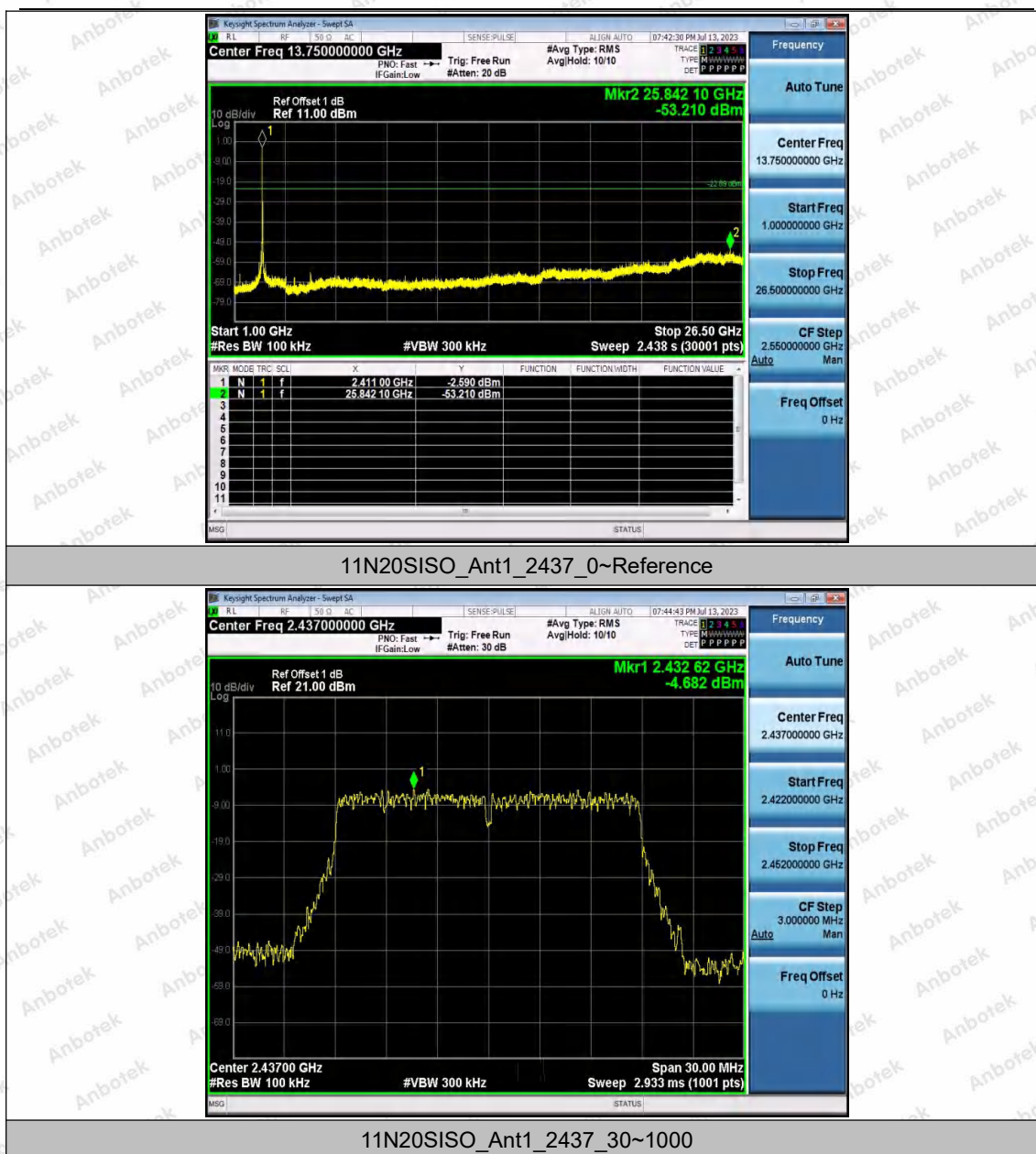
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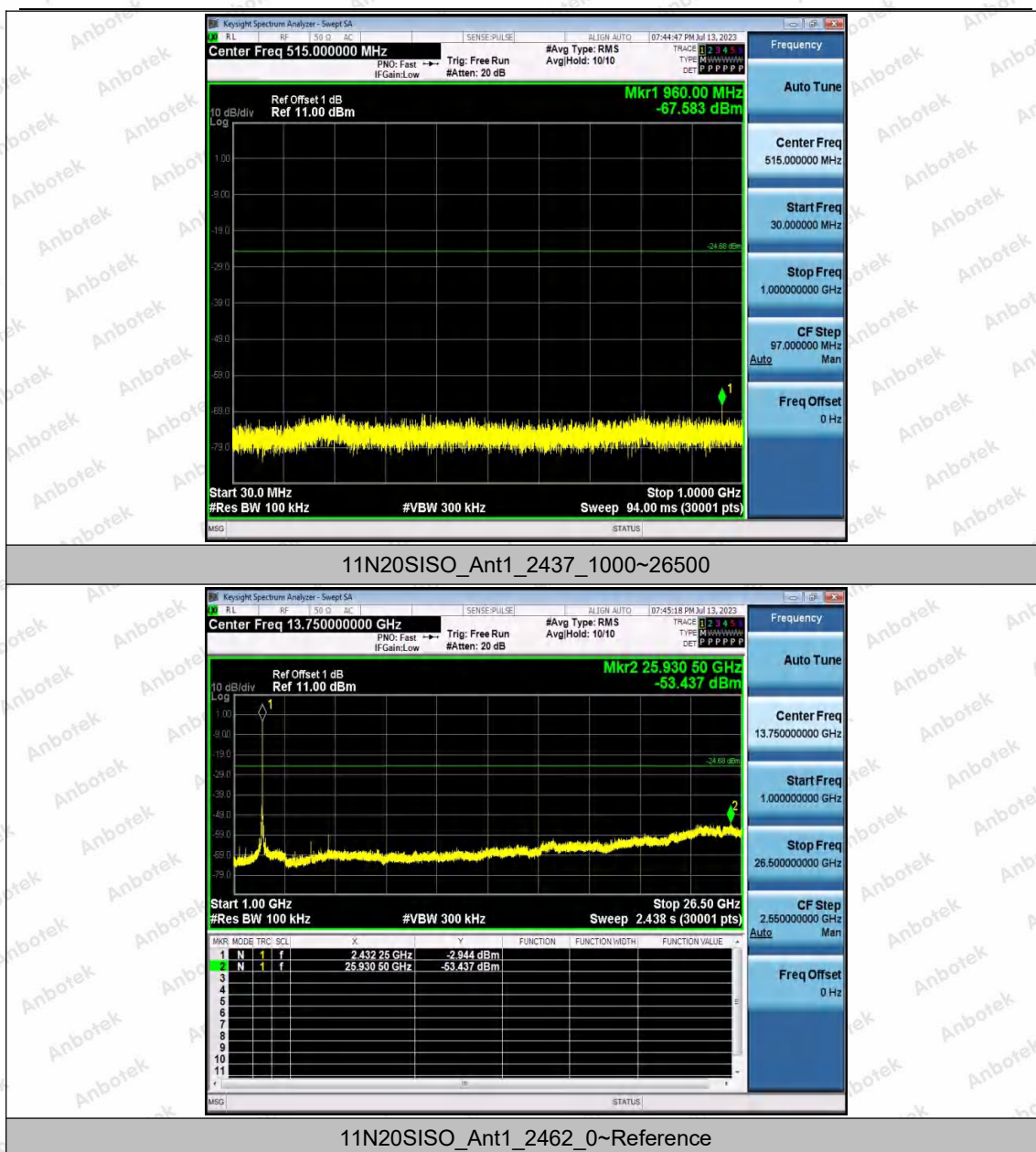
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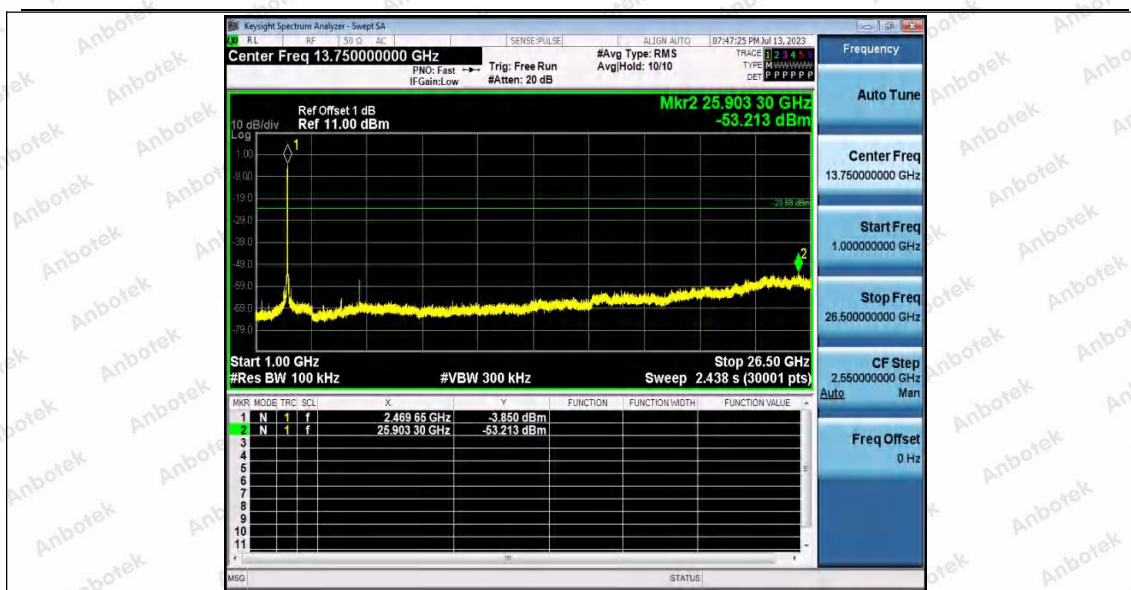
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	16.42	16.45	99.82	0.01
		2437	16.42	16.45	99.82	0.01
		2462	16.42	16.45	99.82	0.01
11G	Ant1	2412	2.73	2.77	98.56	0.06
		2437	2.73	2.77	98.56	0.06
		2462	2.72	2.76	98.55	0.06
11N20SISO	Ant1	2412	2.54	2.58	98.45	0.07
		2437	2.54	2.57	98.83	0.05
		2462	2.54	2.58	98.45	0.07



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

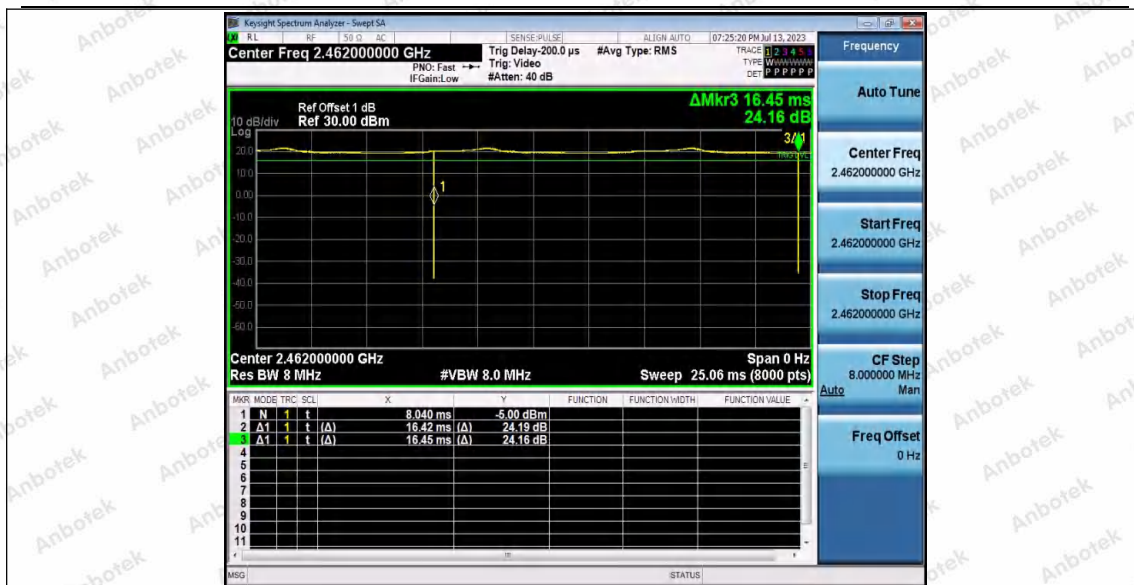
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

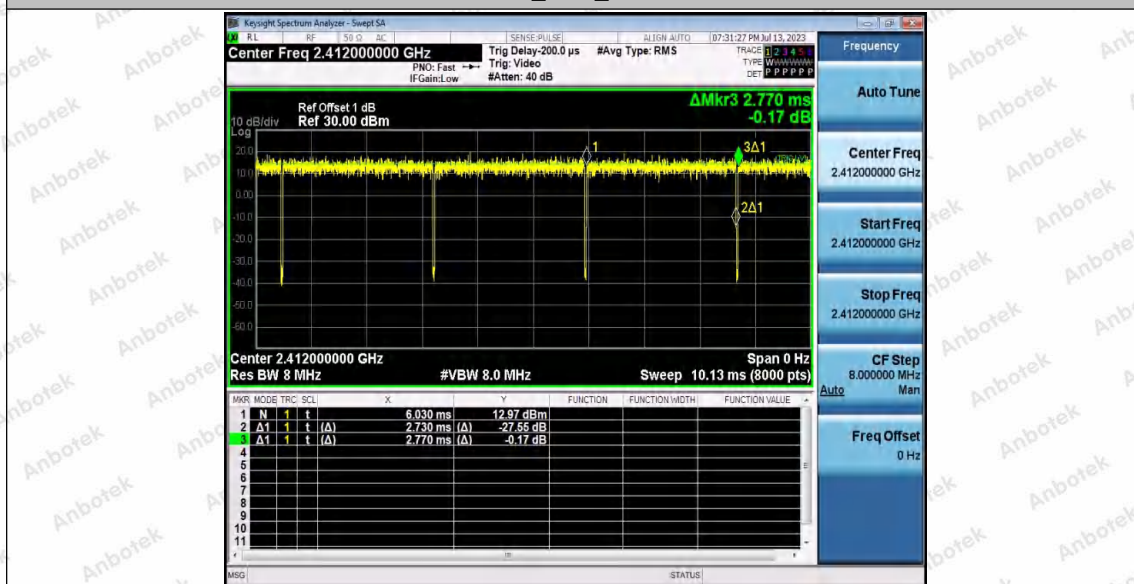


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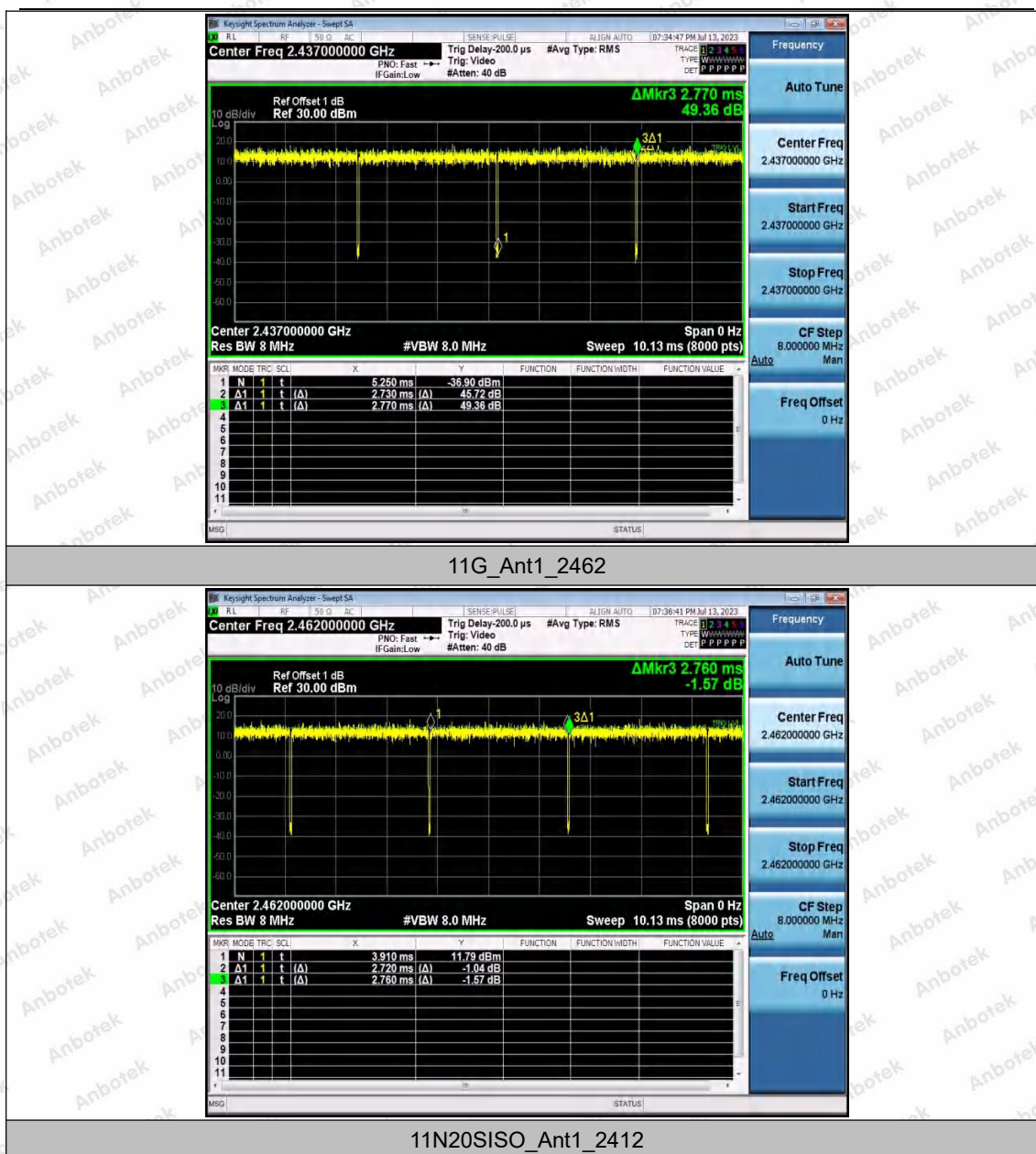
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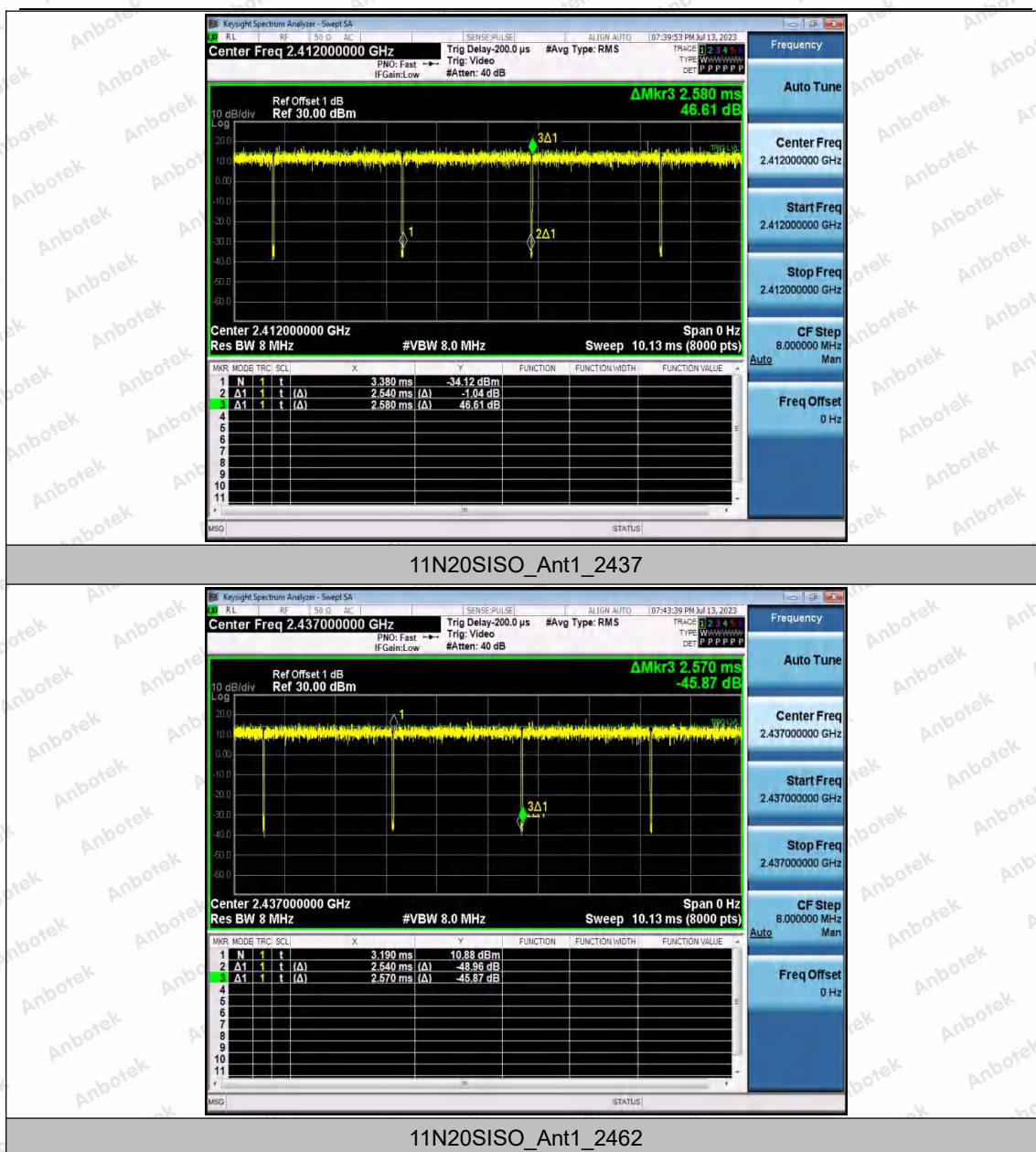
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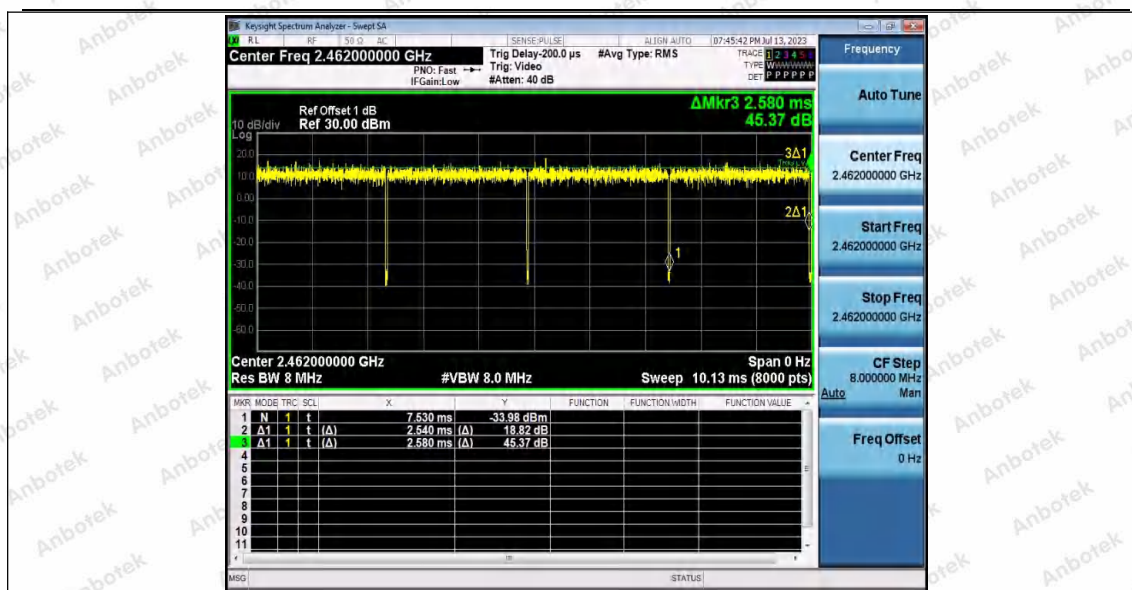
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