

Appendix Test Data

Report No.:	18220WC30086901	Test Sample No.:	1-2-2
Start Test Date:	2023.05.24	Finish Test Date:	2023.05.24
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.6°C	Relative Humidity:	50%
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	9.120	2407.400	2416.520	≥0.5	PASS
		2437	10.080	2431.920	2442.000	≥0.5	PASS
		2462	9.600	2457.400	2467.000	≥0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	≥0.5	PASS
		2437	16.440	2428.760	2445.200	≥0.5	PASS
		2462	16.320	2453.800	2470.120	≥0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.440	2420.480	≥0.5	PASS
		2437	17.560	2428.160	2445.720	≥0.5	PASS
		2462	17.160	2453.320	2470.480	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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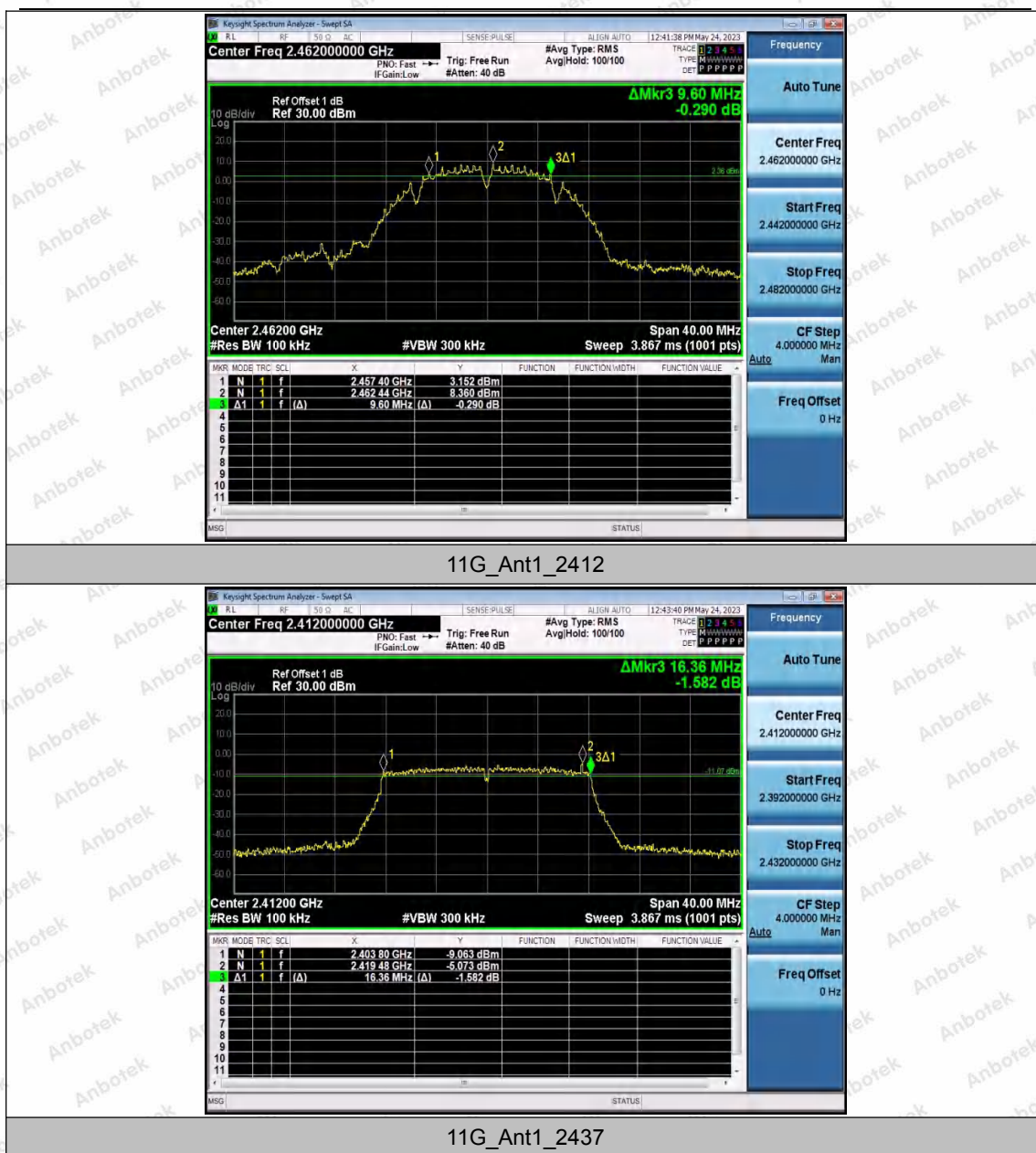


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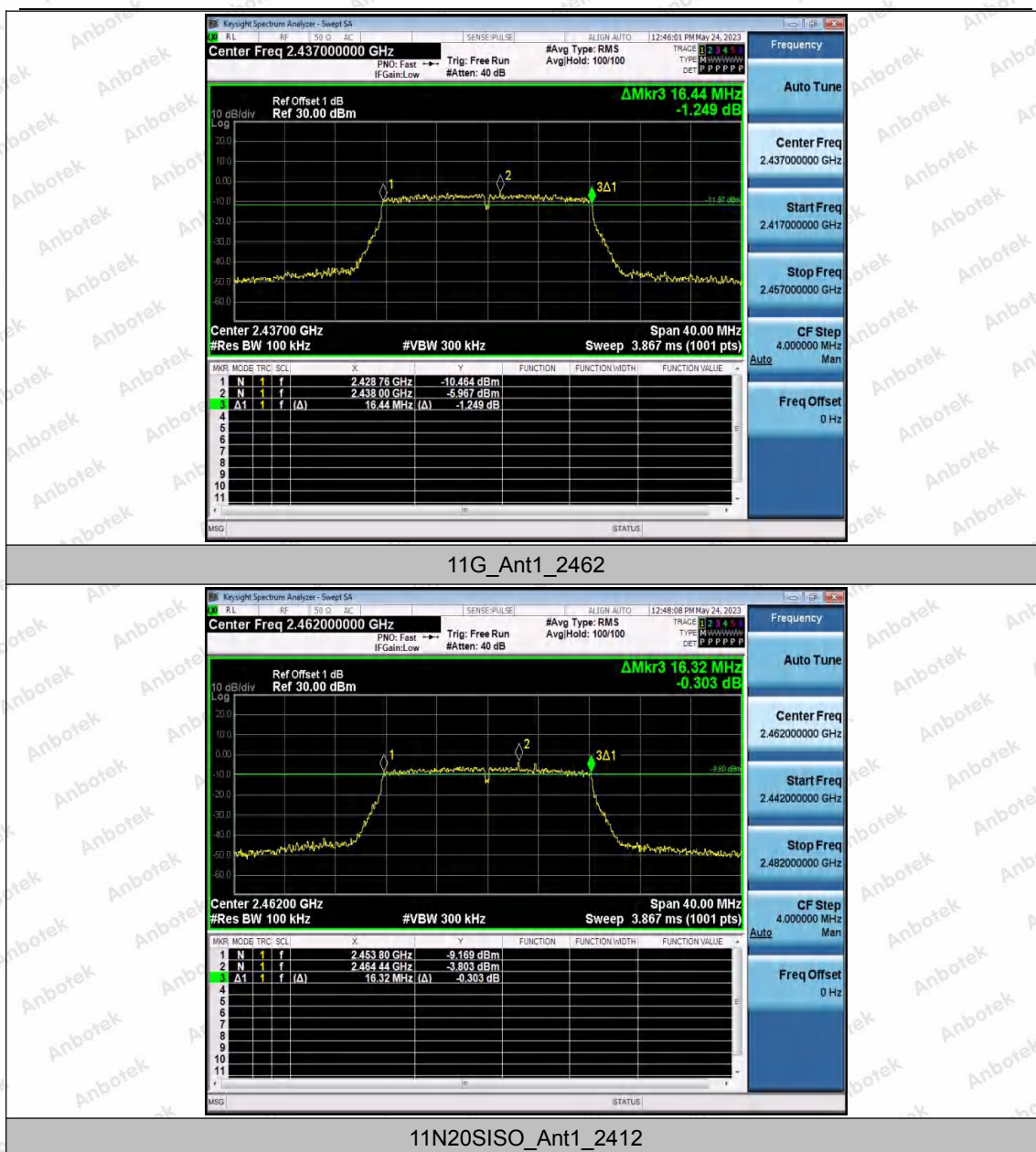
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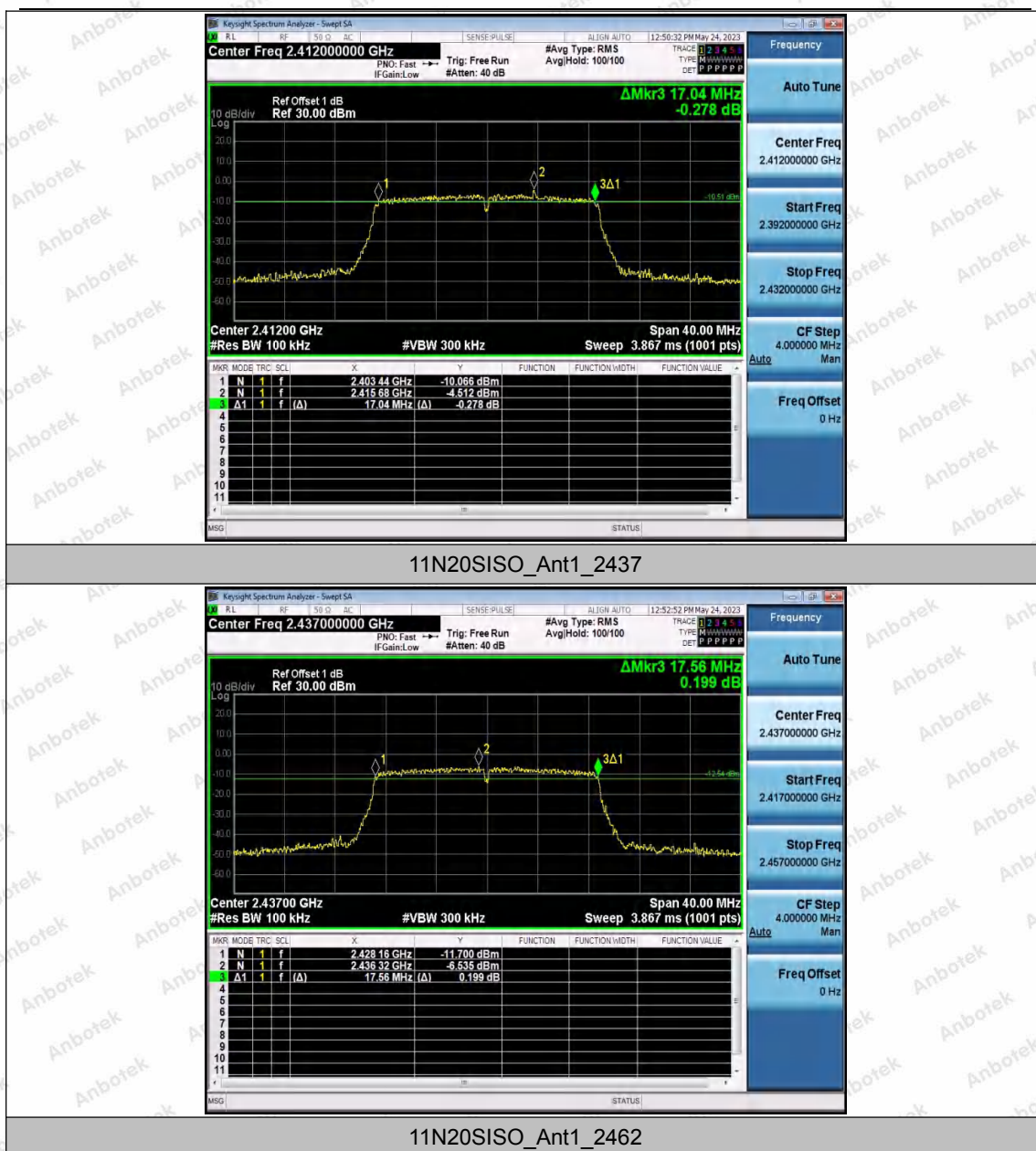
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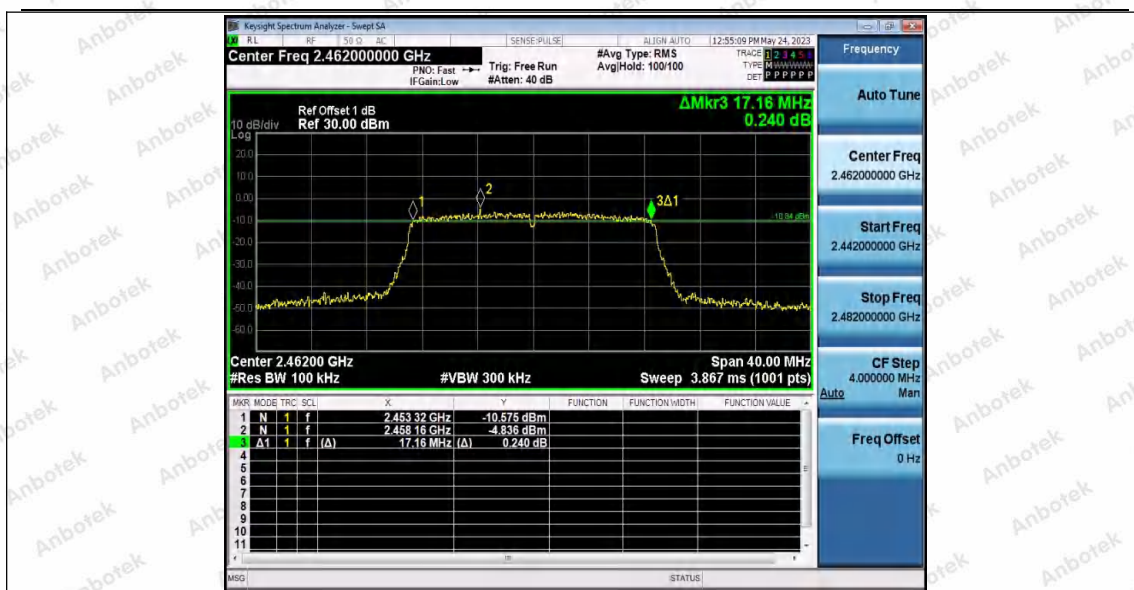
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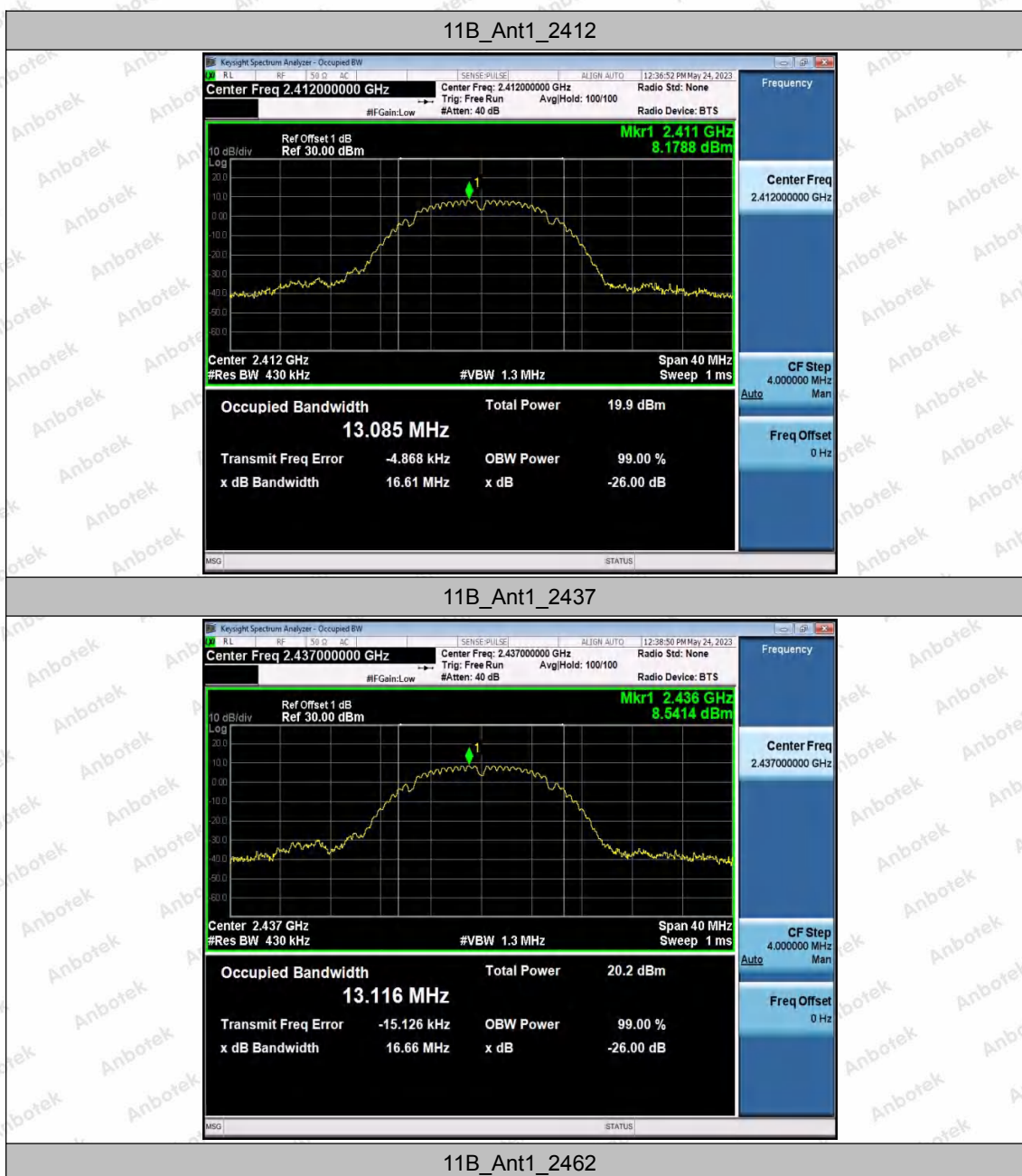
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.085	2405.4526	2418.5376	---	---
		2437	13.116	2430.4269	2443.5429	---	---
		2462	13.119	2455.4116	2468.5306	---	---
11G	Ant1	2412	16.724	2403.6157	2420.3397	---	---
		2437	16.695	2428.6510	2445.3460	---	---
		2462	16.623	2453.6567	2470.2797	---	---
11N20SISO	Ant1	2412	17.546	2403.2223	2420.7683	---	---
		2437	17.568	2428.2010	2445.7690	---	---
		2462	17.535	2453.2034	2470.7384	---	---



Test Graphs



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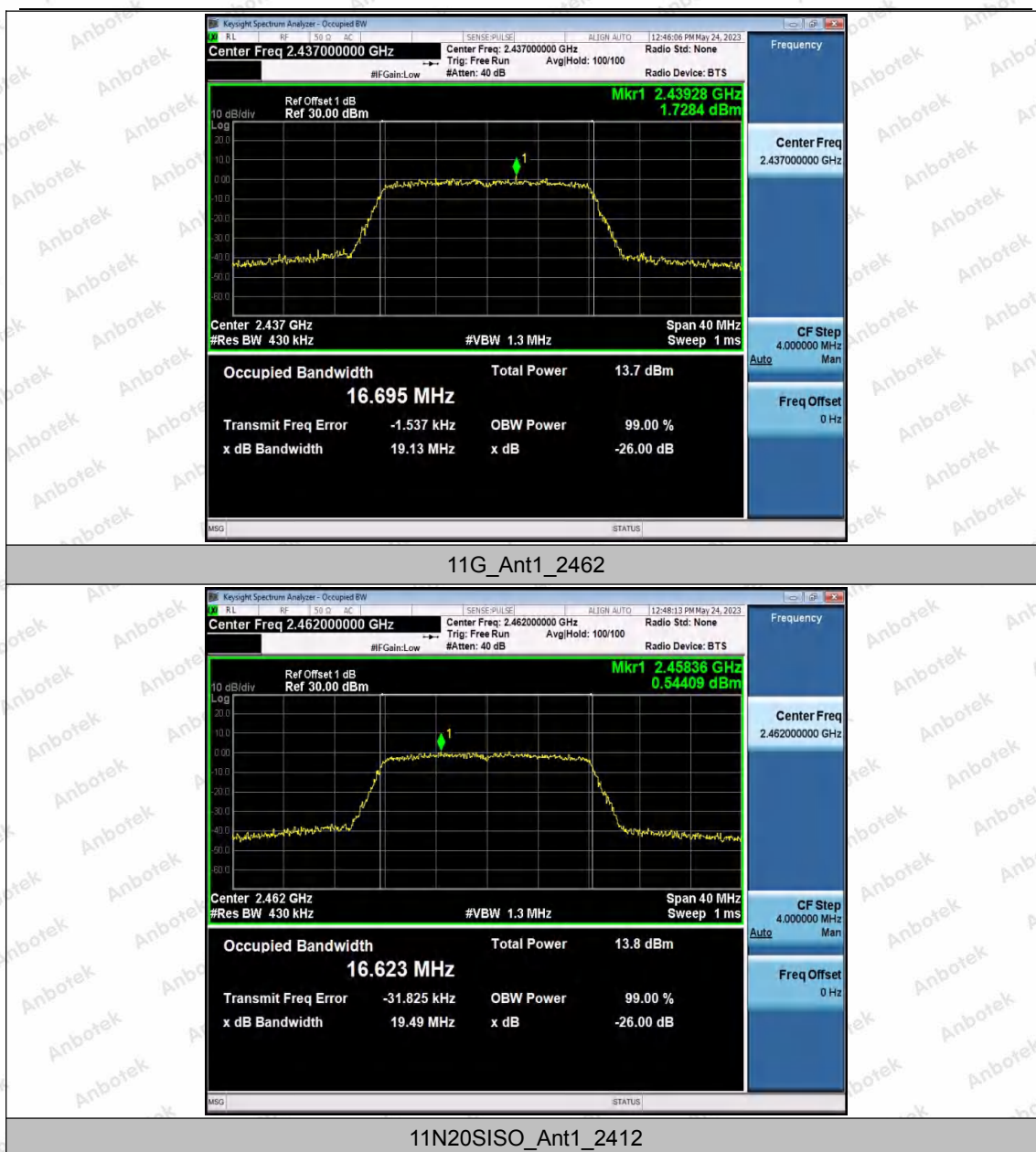
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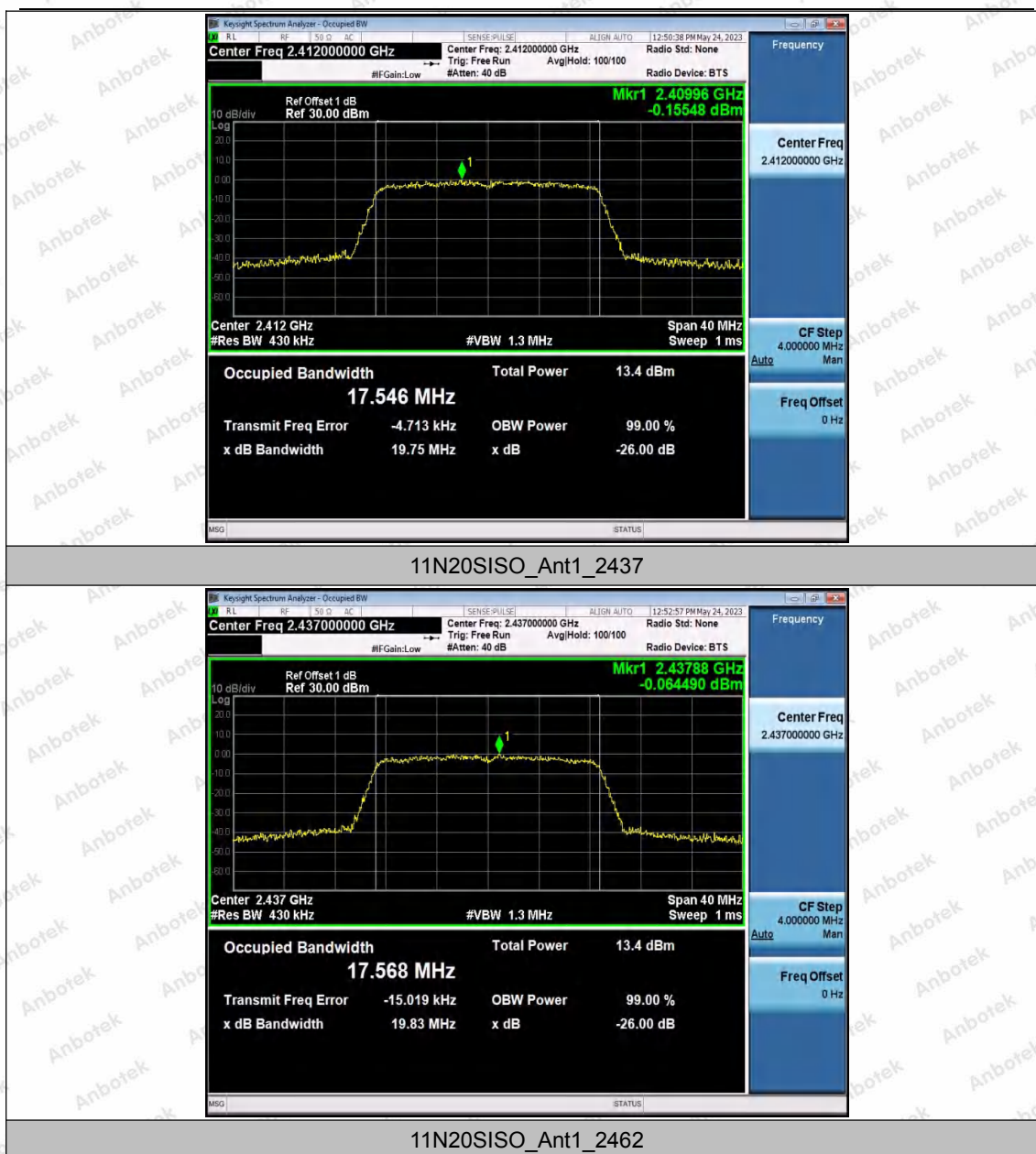
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	19.92	≤30.00
		2437	20.24	≤30.00
		2462	20.47	≤30.00
11G	Ant1	2412	14.82	≤30.00
		2437	14.90	≤30.00
		2462	14.95	≤30.00
11N20SISO	Ant1	2412	14.63	≤30.00
		2437	14.71	≤30.00
		2462	14.79	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.37	≤8.00	PASS
		2437	-3.17	≤8.00	PASS
		2462	-2.91	≤8.00	PASS
11G	Ant1	2412	-16.99	≤8.00	PASS
		2437	-17.8	≤8.00	PASS
		2462	-15.92	≤8.00	PASS
11N20SISO	Ant1	2412	-17.49	≤8.00	PASS
		2437	-17.45	≤8.00	PASS
		2462	-17.44	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

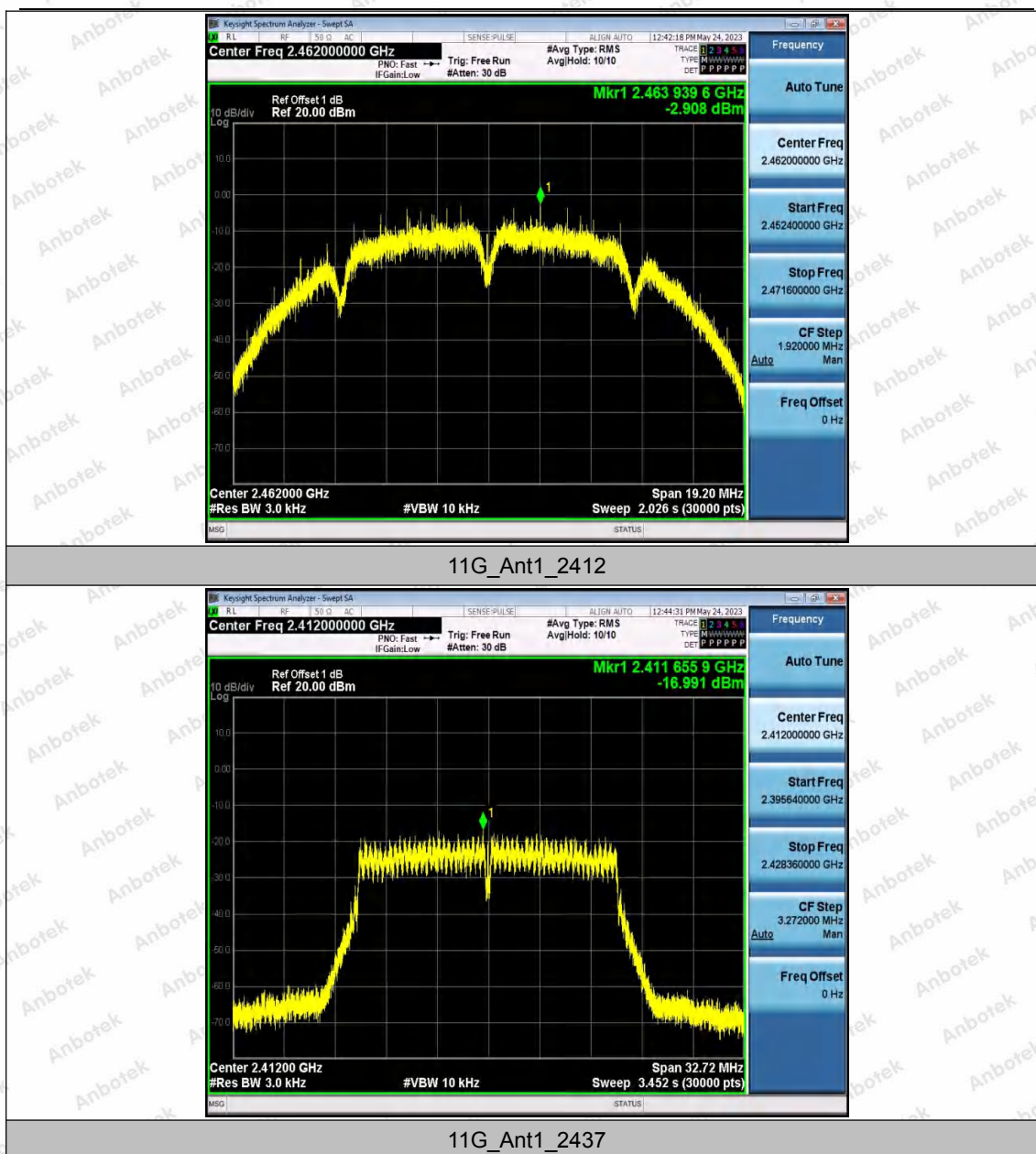
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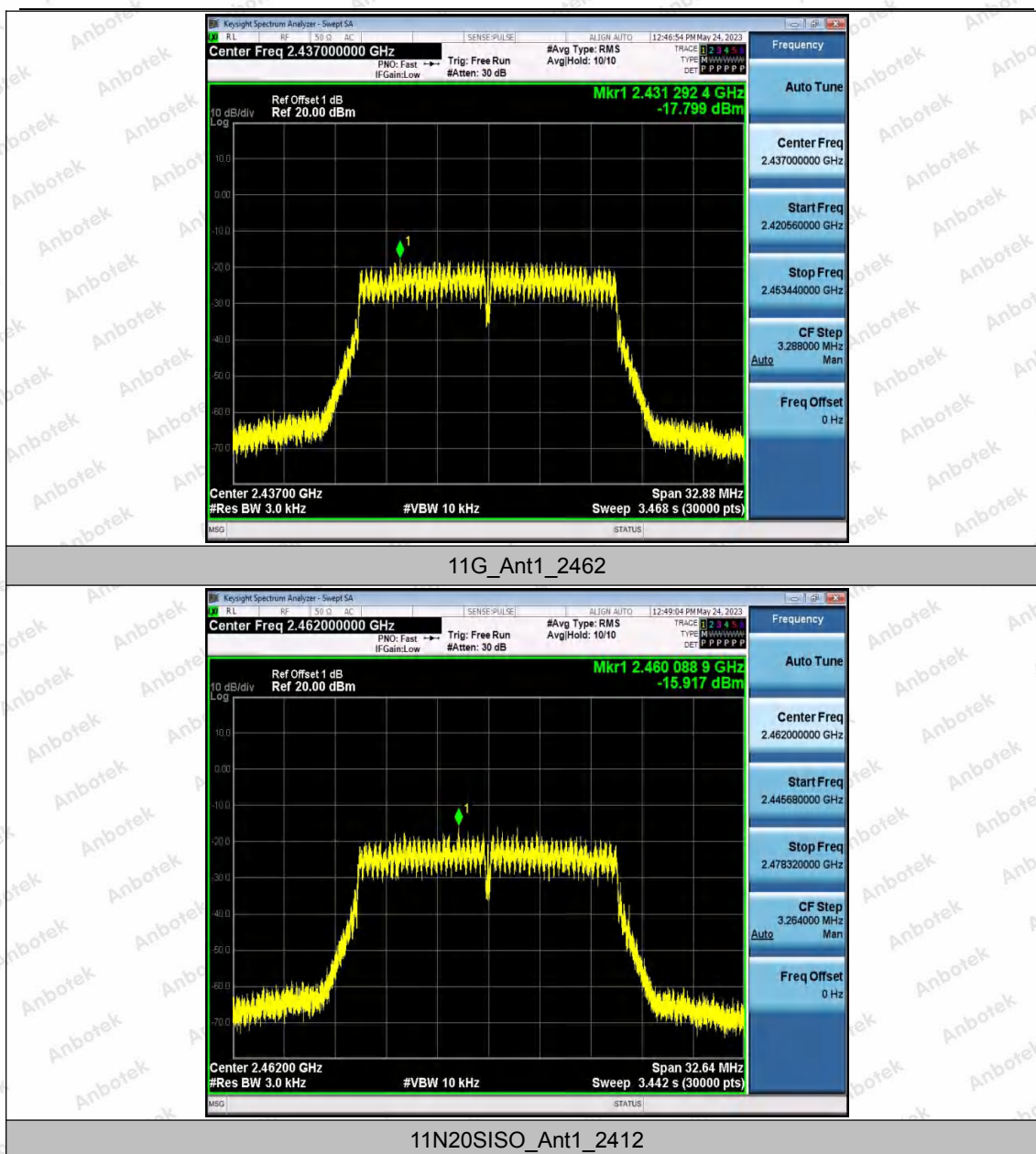
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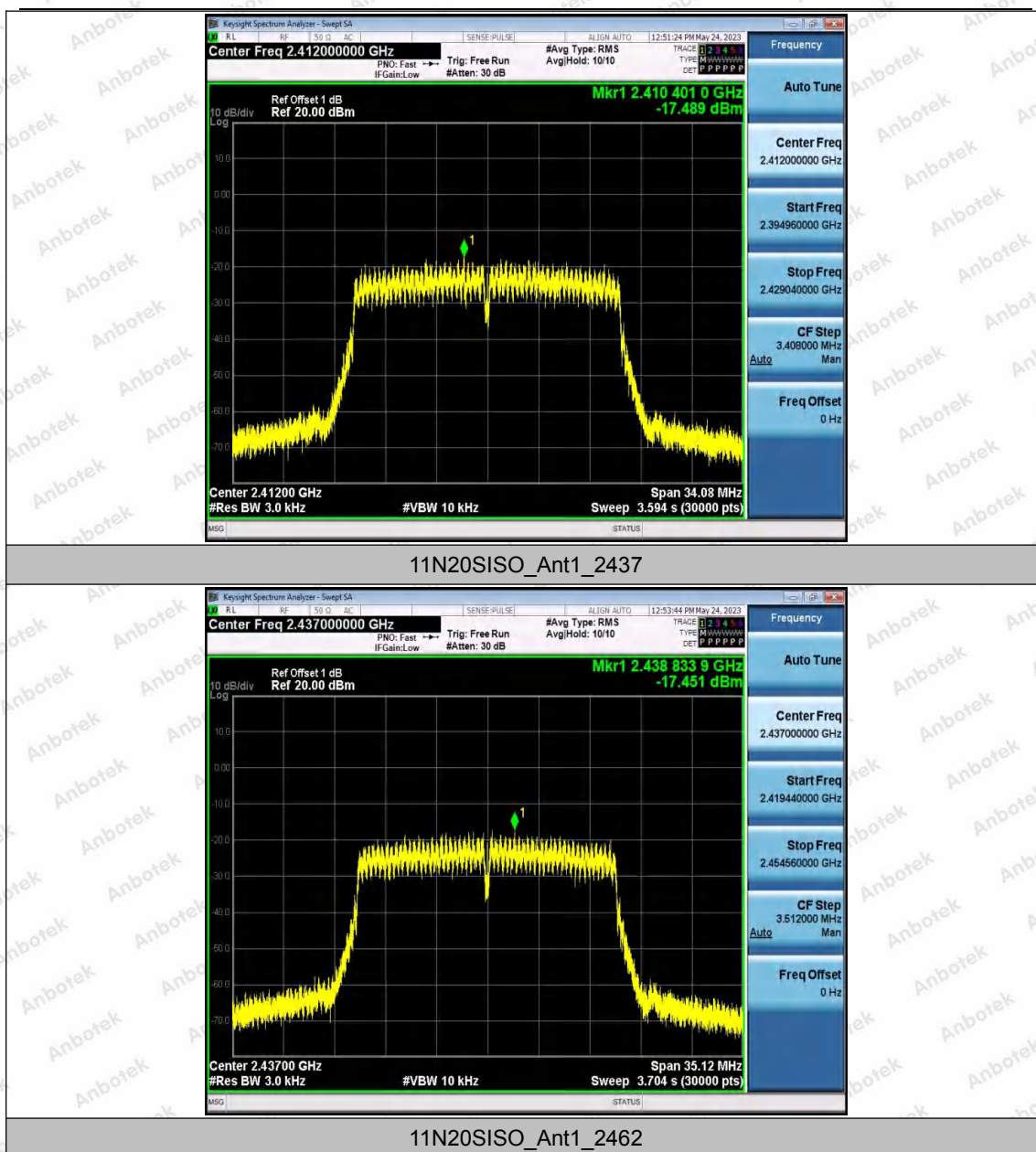
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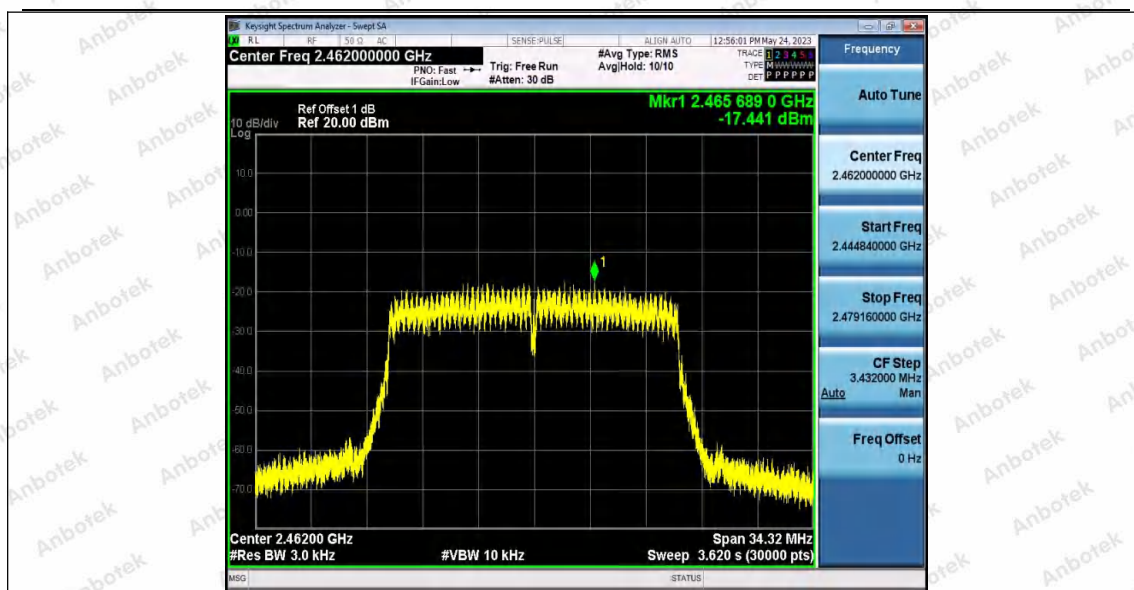
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.84	-35.42	≤-12.16	PASS
		High	2462	8.32	-43.33	≤-11.68	PASS
11G	Ant1	Low	2412	-6.16	-43.86	≤-26.16	PASS
		High	2462	-4.61	-53.74	≤-24.61	PASS
11N20SISO	Ant1	Low	2412	-5.24	-45.44	≤-25.24	PASS
		High	2462	-3.74	-54.09	≤-23.74	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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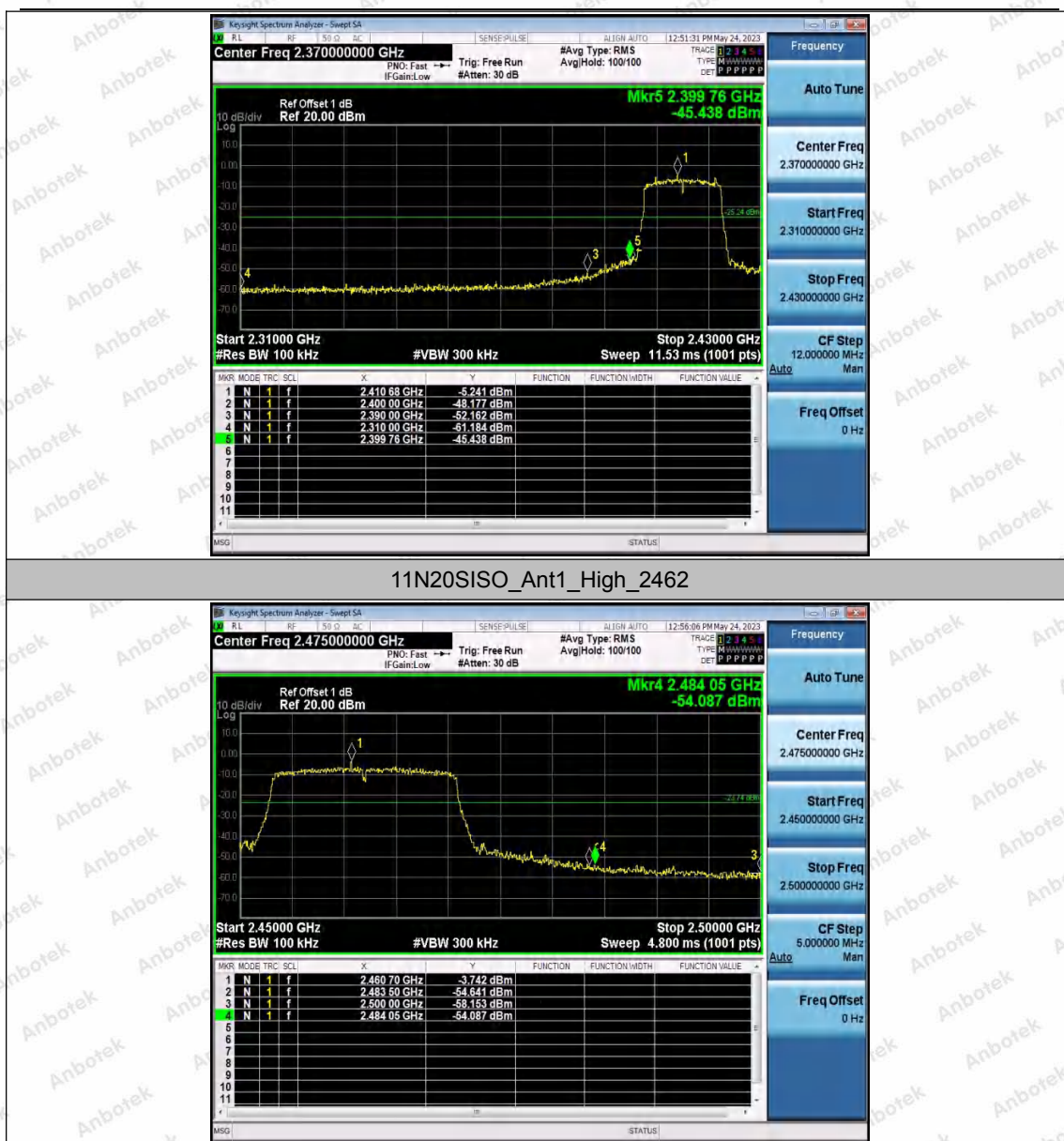


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.64	6.64	---	PASS
			30~1000	6.64	-68.79	≤-13.36	PASS
			1000~26500	6.64	-52.93	≤-13.36	PASS
		2437	Reference	7.99	7.99	---	PASS
			30~1000	7.99	-68.07	≤-12.01	PASS
			1000~26500	7.99	-53.25	≤-12.01	PASS
		2462	Reference	6.26	6.26	---	PASS
			30~1000	6.26	-67.51	≤-13.74	PASS
			1000~26500	6.26	-53.43	≤-13.74	PASS
11G	Ant1	2412	Reference	-6.83	-6.83	---	PASS
			30~1000	-6.83	-67.94	≤-26.83	PASS
			1000~26500	-6.83	-53.32	≤-26.83	PASS
		2437	Reference	-6.47	-6.47	---	PASS
			30~1000	-6.47	-68.95	≤-26.47	PASS
			1000~26500	-6.47	-52.44	≤-26.47	PASS
		2462	Reference	-6.75	-6.75	---	PASS
			30~1000	-6.75	-68.55	≤-26.75	PASS
			1000~26500	-6.75	-52.58	≤-26.75	PASS
11N20SISO	Ant1	2412	Reference	-7.06	-7.06	---	PASS
			30~1000	-7.06	-68.65	≤-27.06	PASS
			1000~26500	-7.06	-53.52	≤-27.06	PASS
		2437	Reference	-7.00	-7.00	---	PASS
			30~1000	-7.00	-68.78	≤-27	PASS
			1000~26500	-7.00	-52.37	≤-27	PASS
		2462	Reference	-7.01	-7.01	---	PASS
			30~1000	-7.01	-68.69	≤-27.01	PASS
			1000~26500	-7.01	-53.18	≤-27.01	PASS

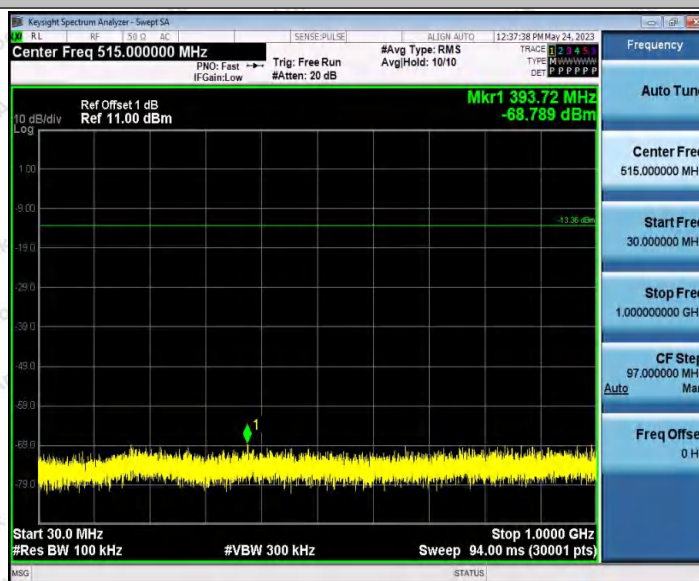


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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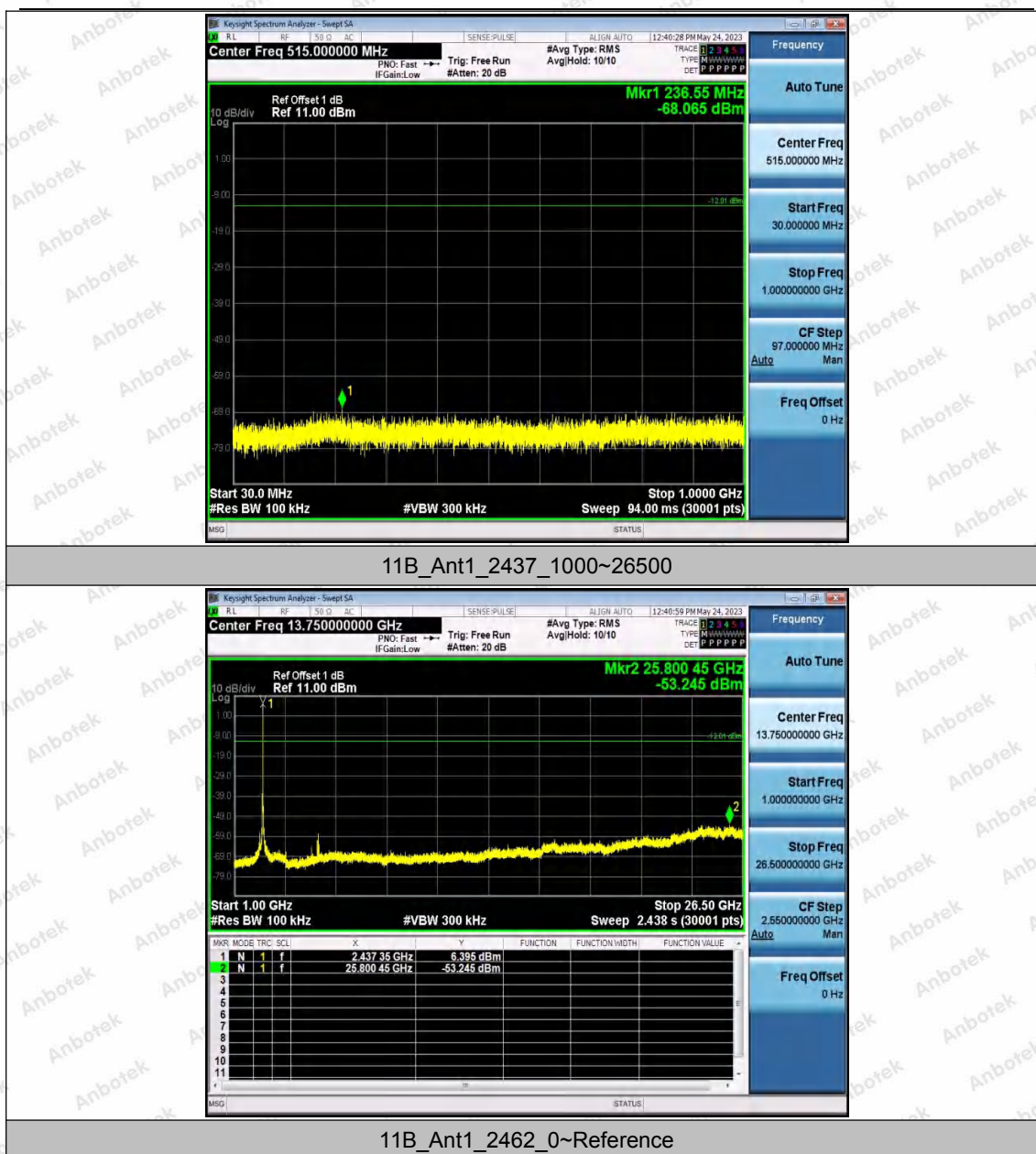
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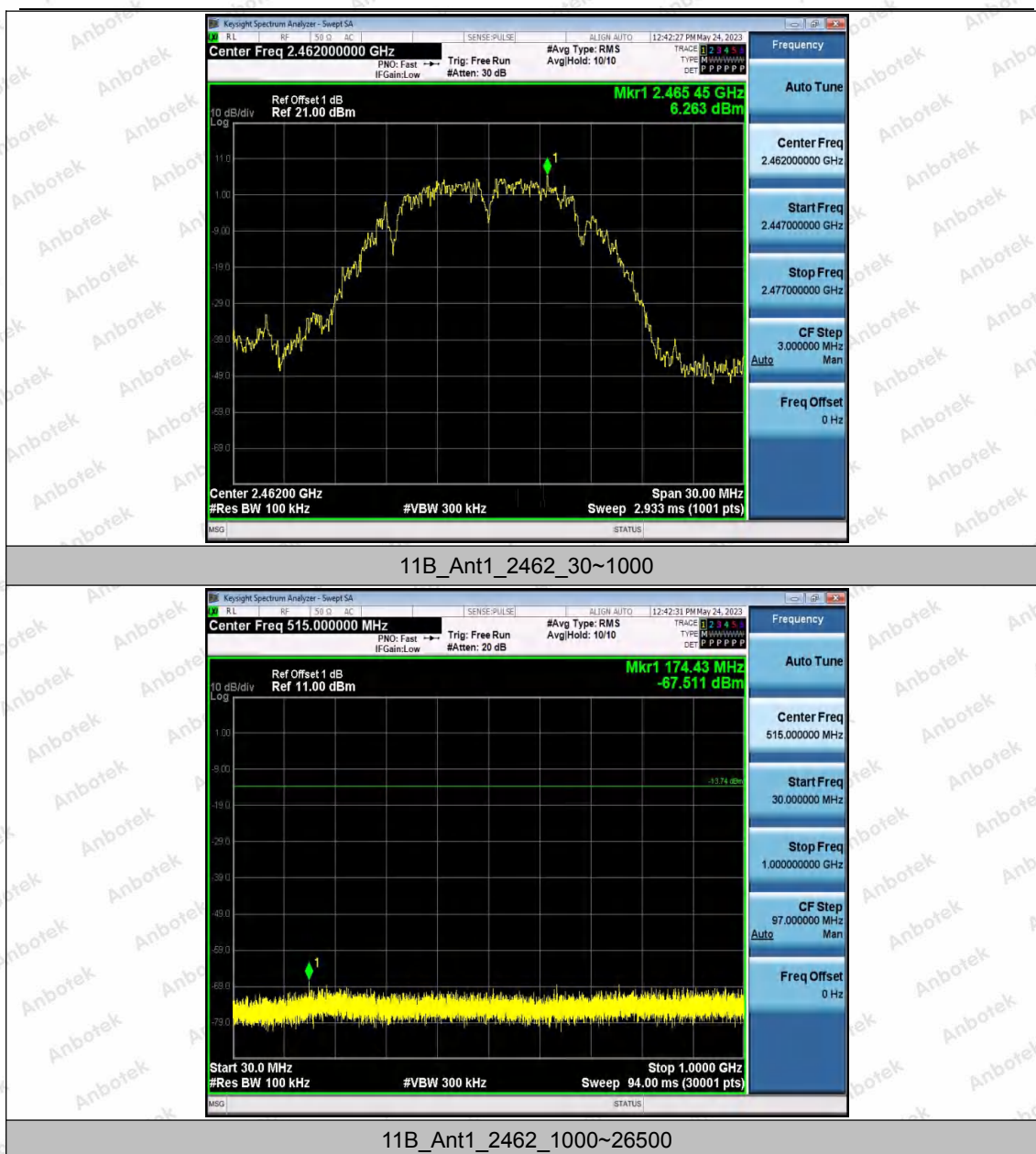
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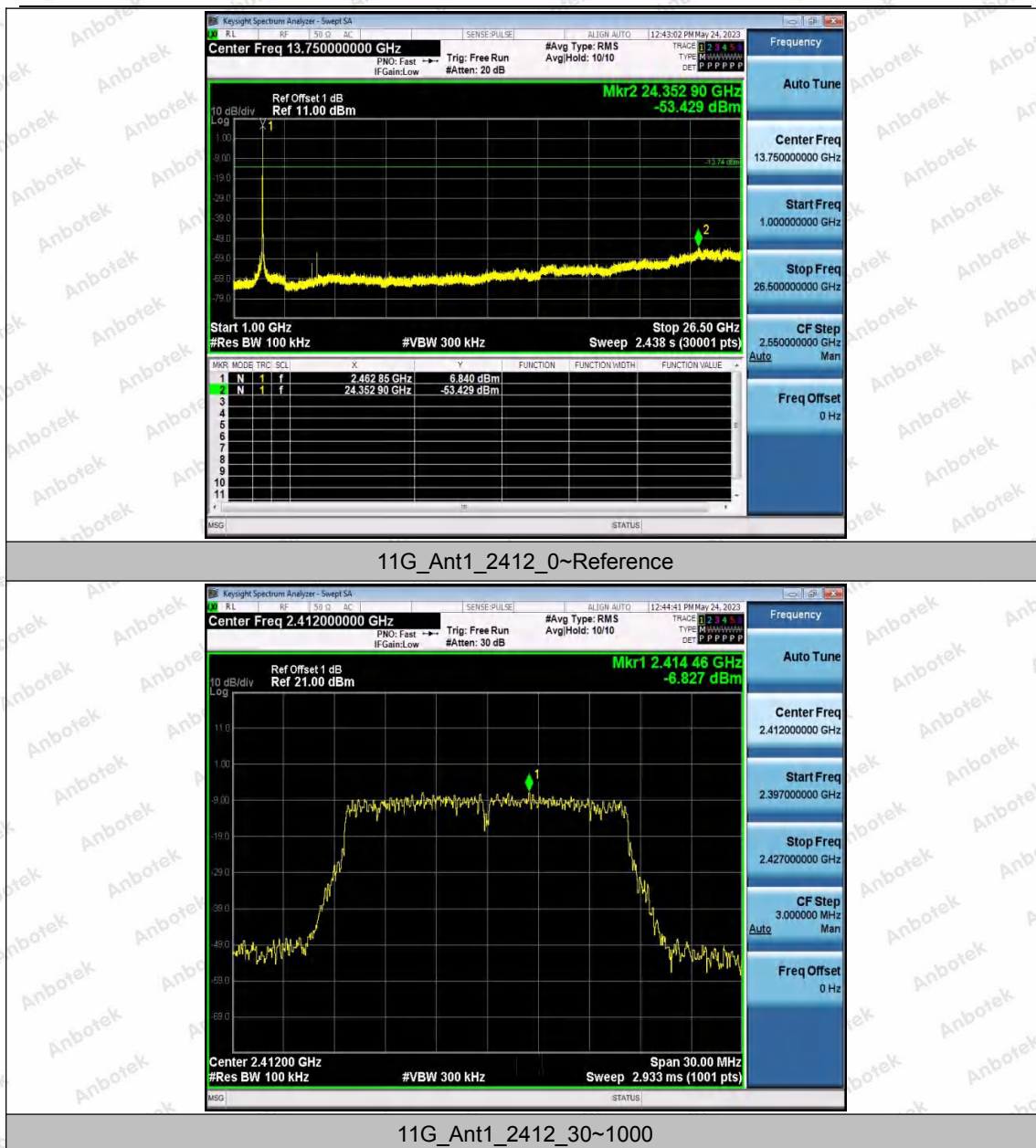
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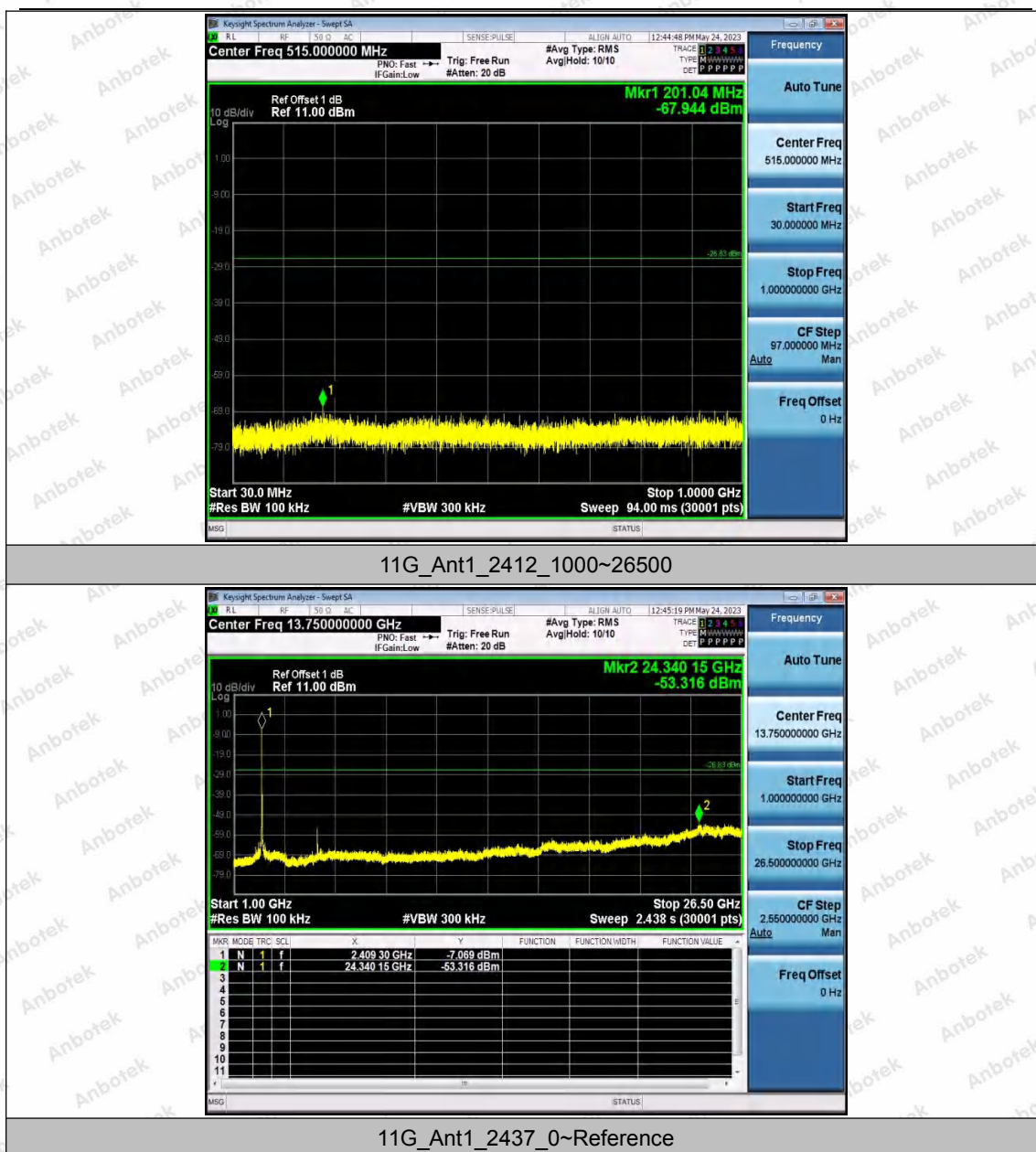
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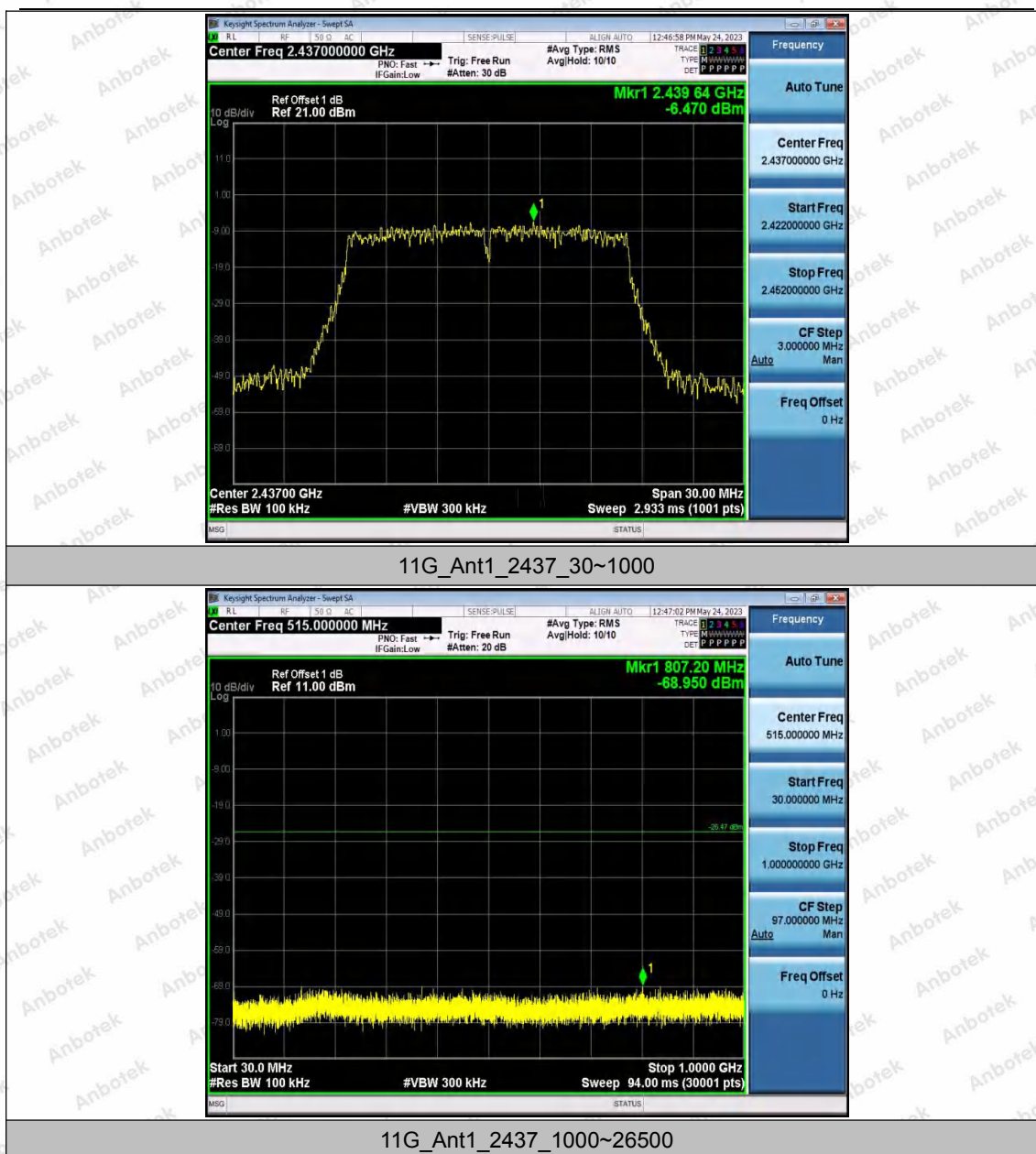
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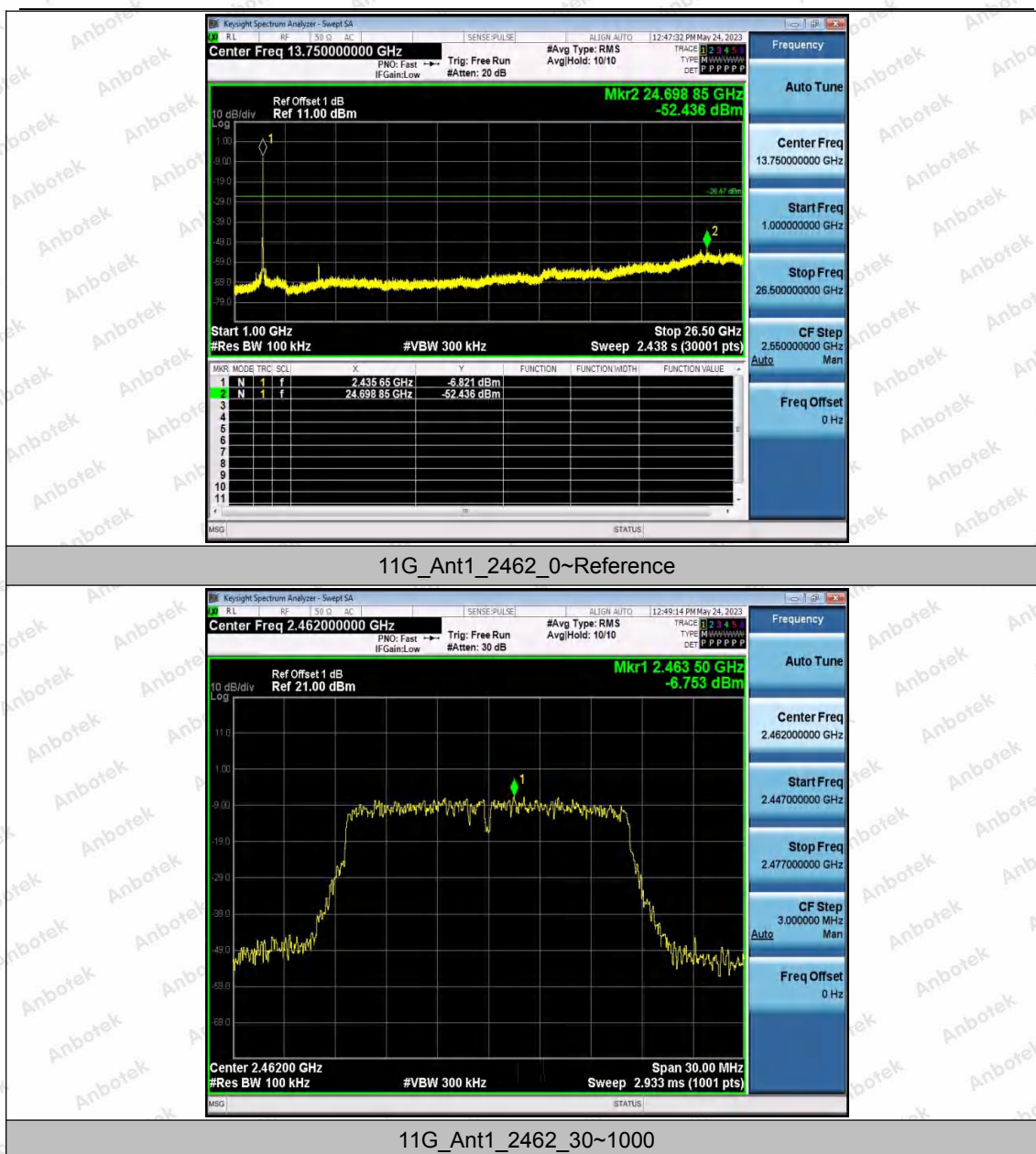
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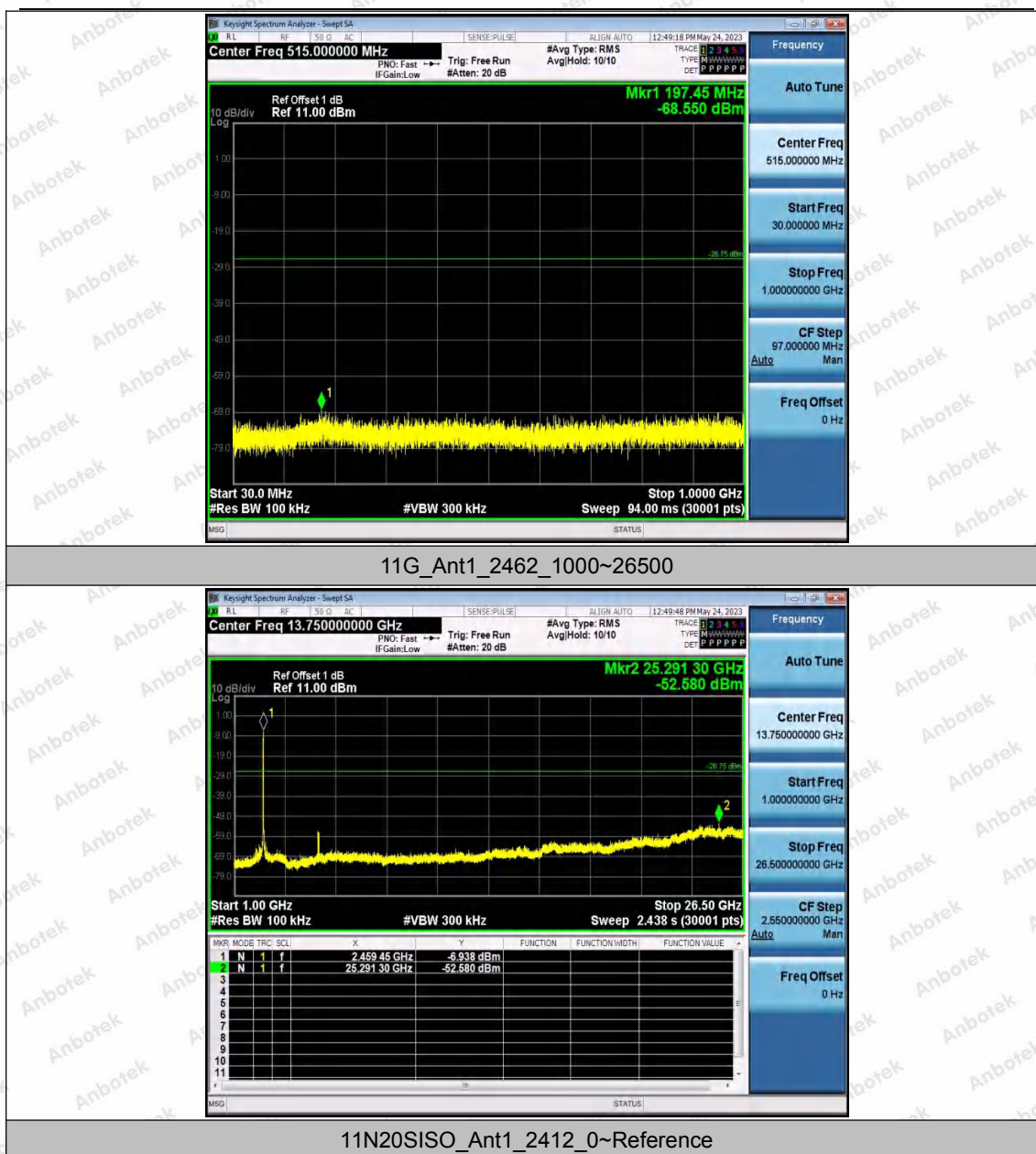
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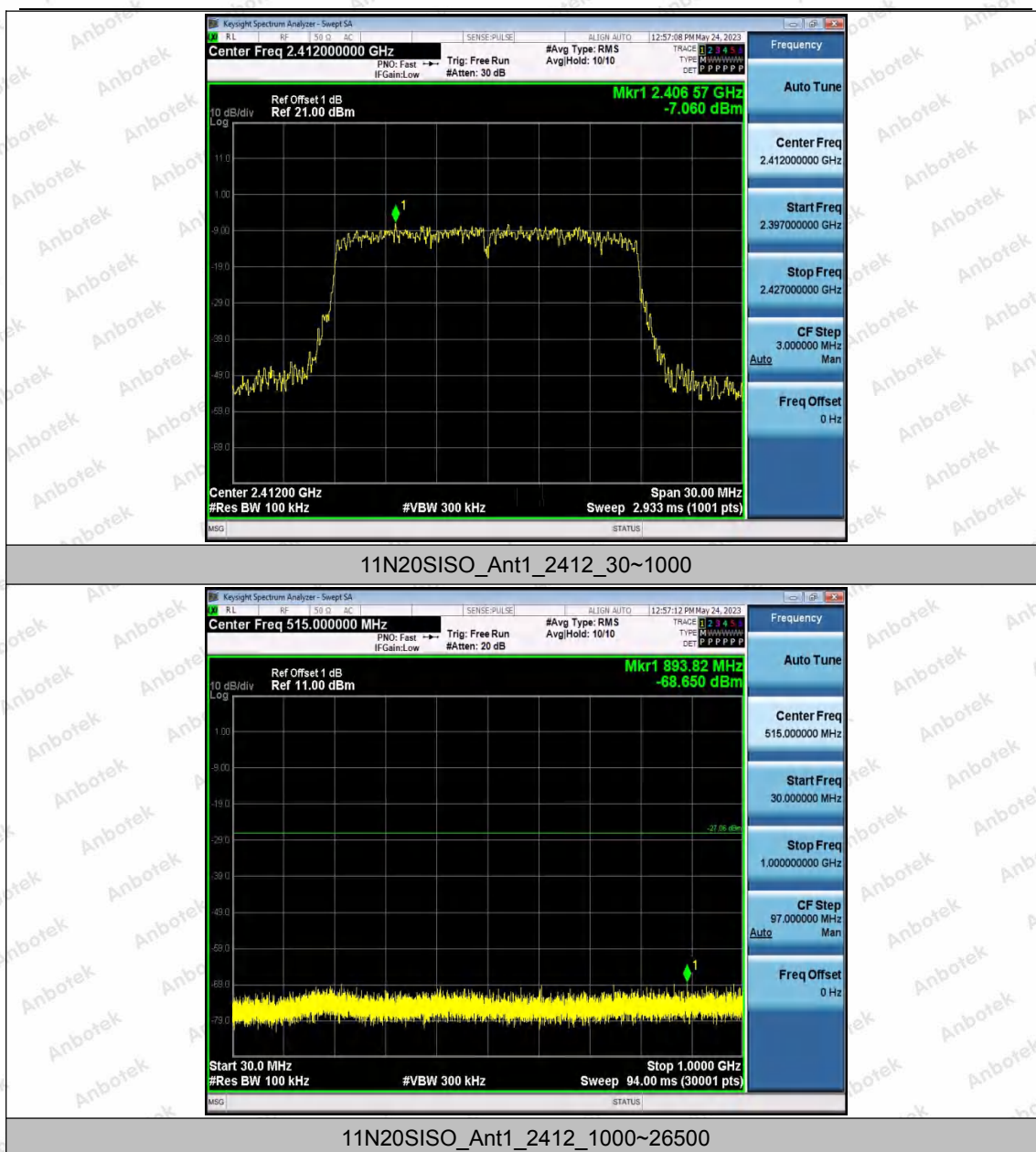
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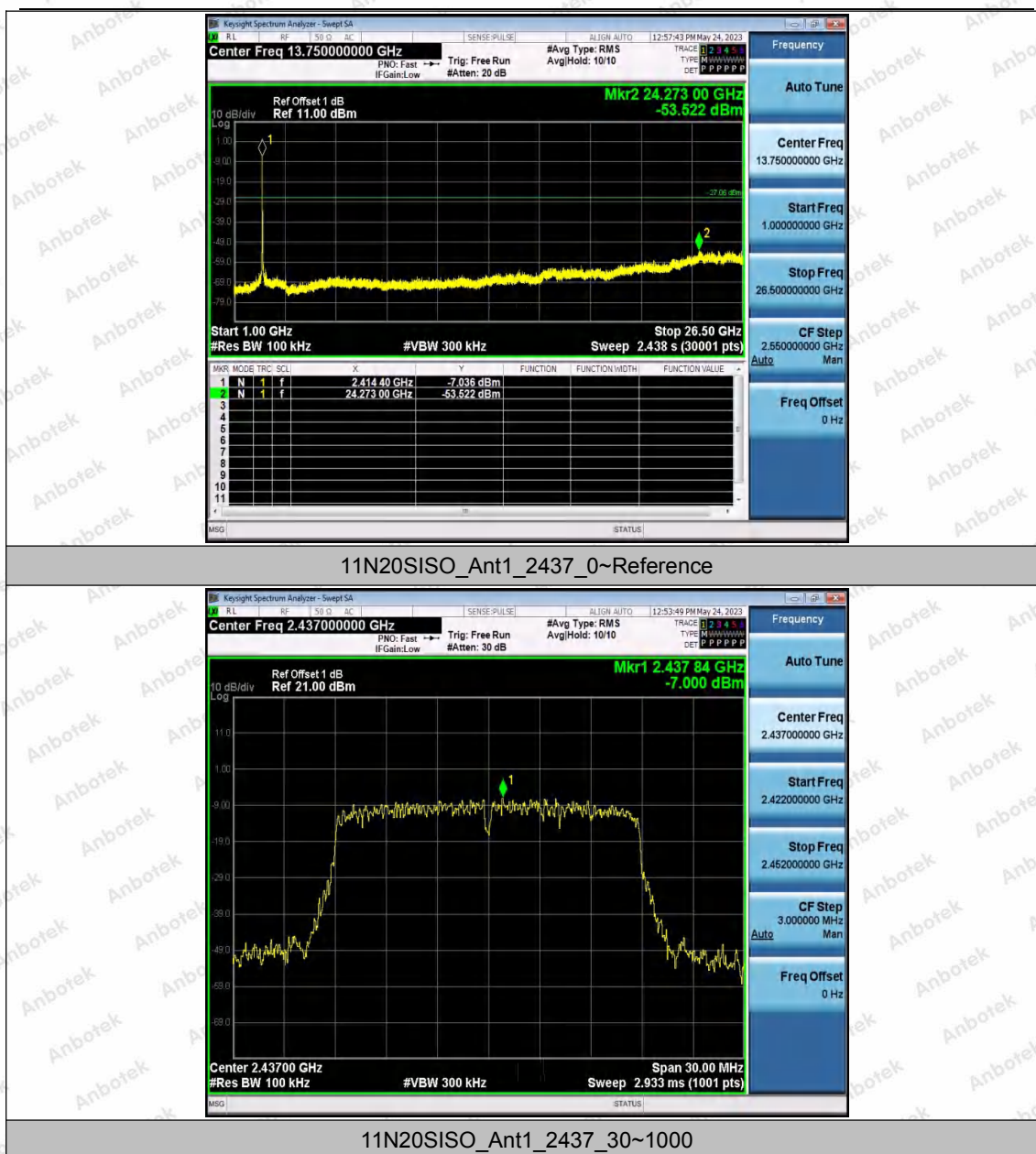
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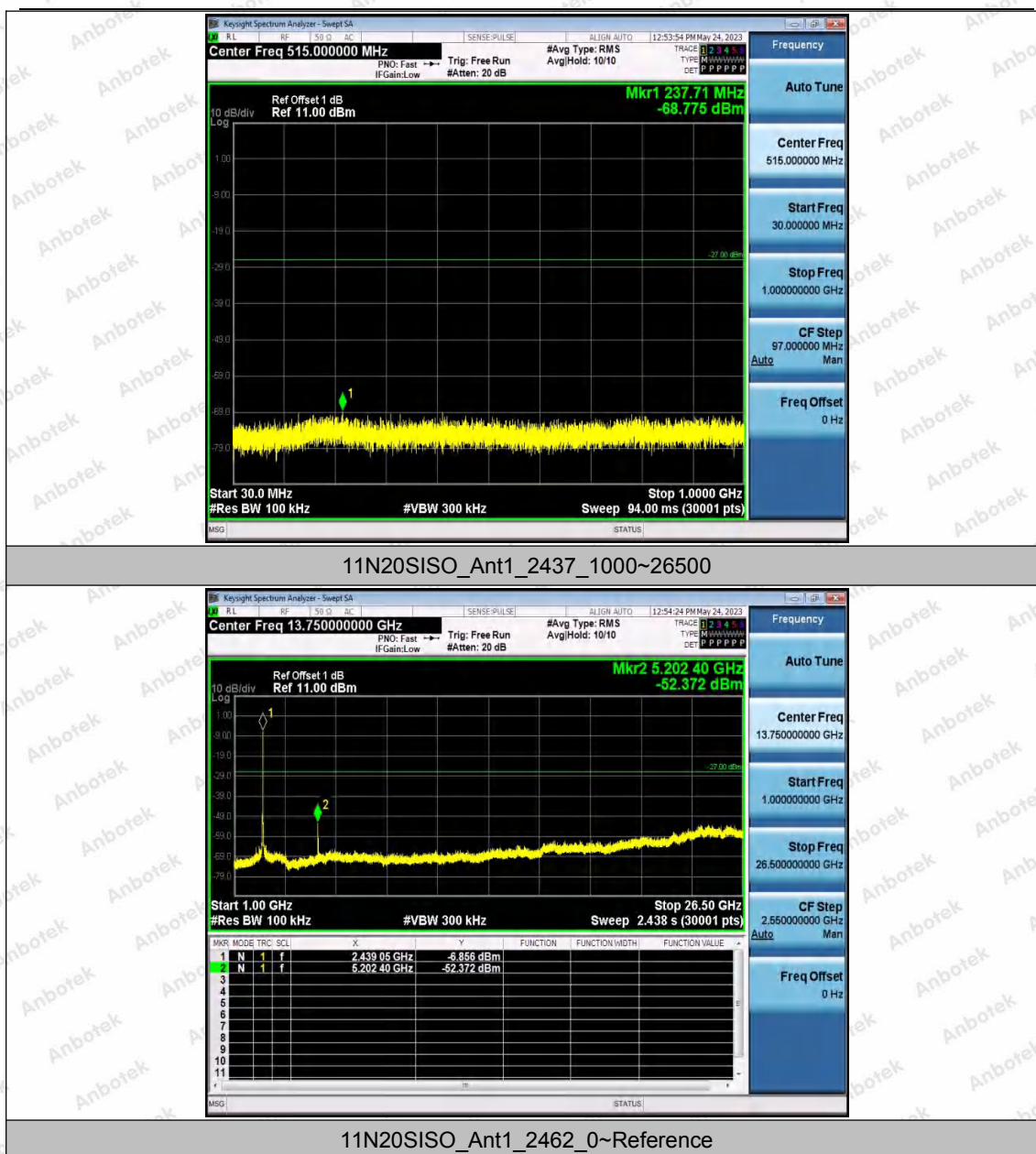
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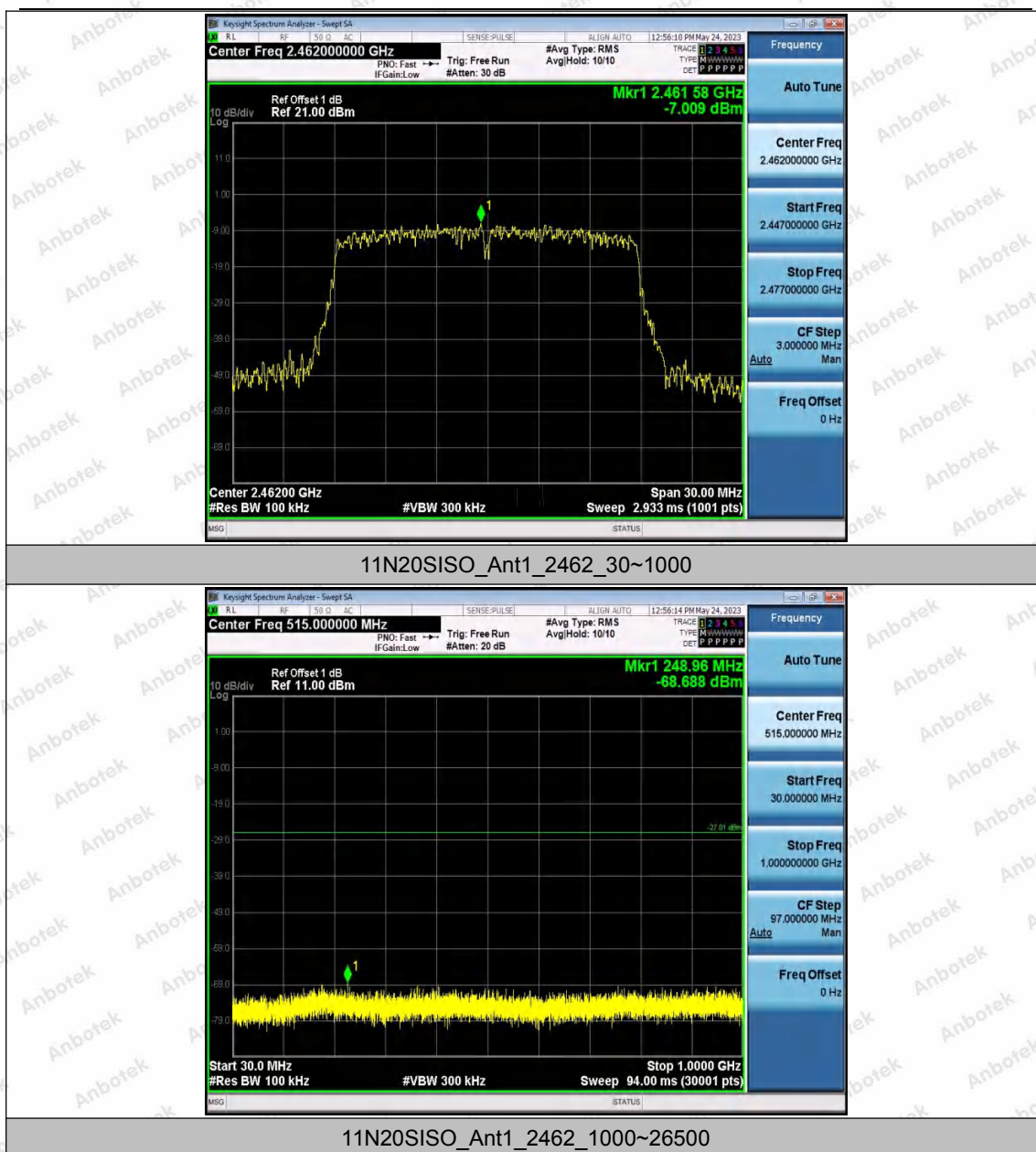
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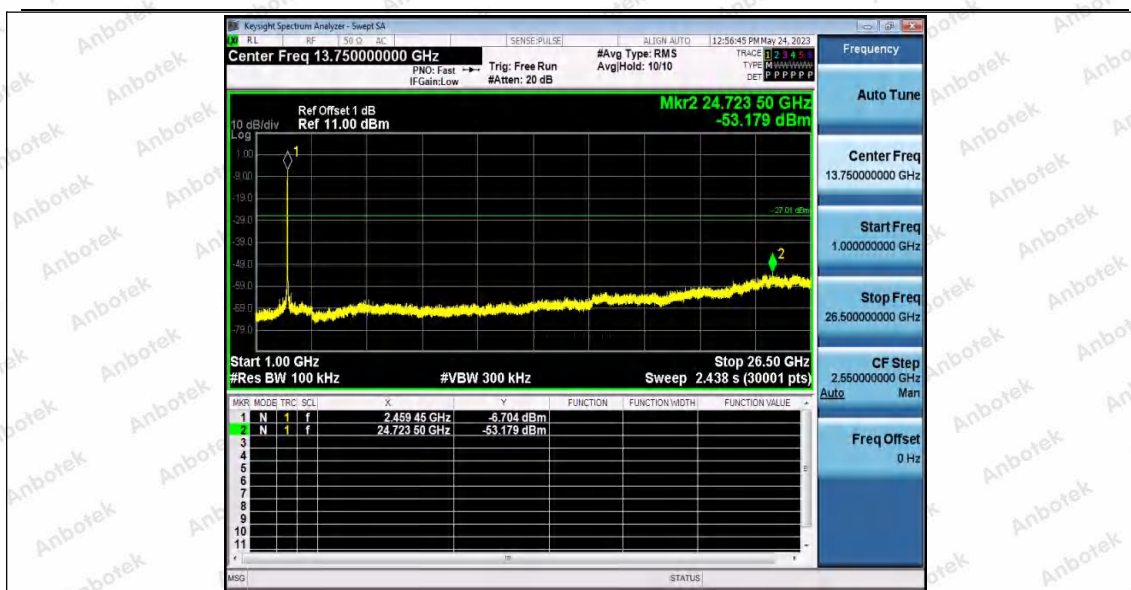
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Appendix G: Duty Cycle

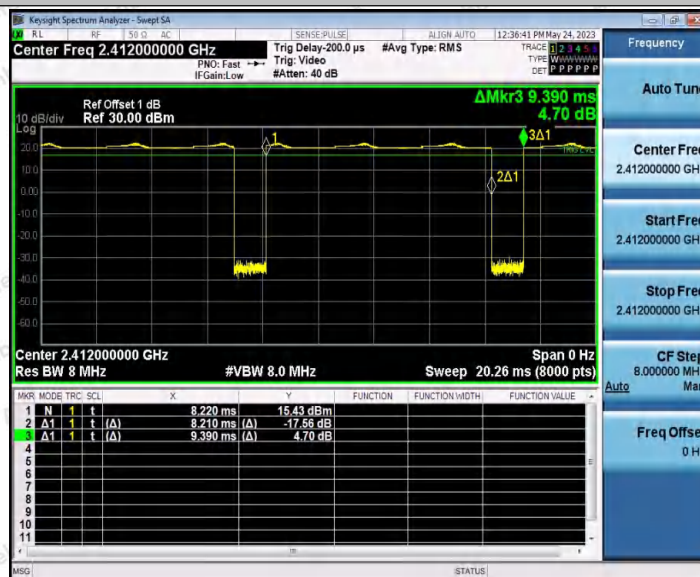
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.21	9.39	87.43	0.58
		2437	8.21	9.39	87.43	0.58
		2462	8.21	9.39	87.43	0.58
11G	Ant1	2412	12.03	12.04	99.92	0.00
		2437	12.03	12.04	99.92	0.00
		2462	12.03	12.04	99.92	0.00
11N20SISO	Ant1	2412	11.12	11.13	99.91	0.00
		2437	11.13	11.14	99.91	0.00
		2462	11.12	11.13	99.91	0.00

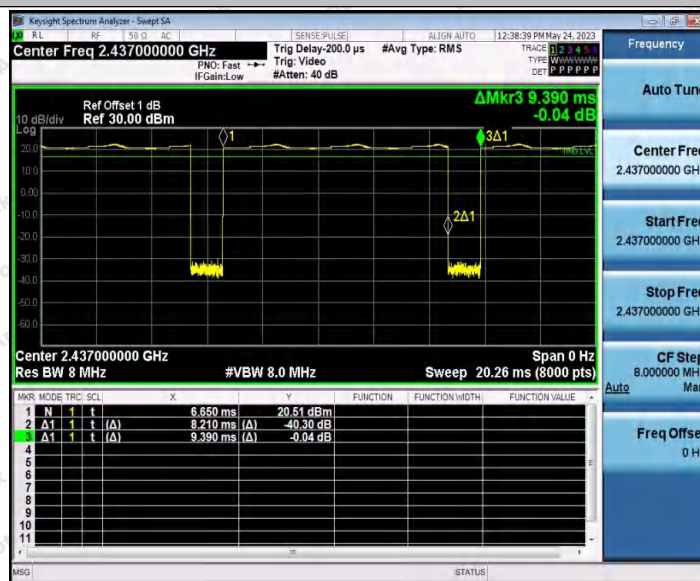


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

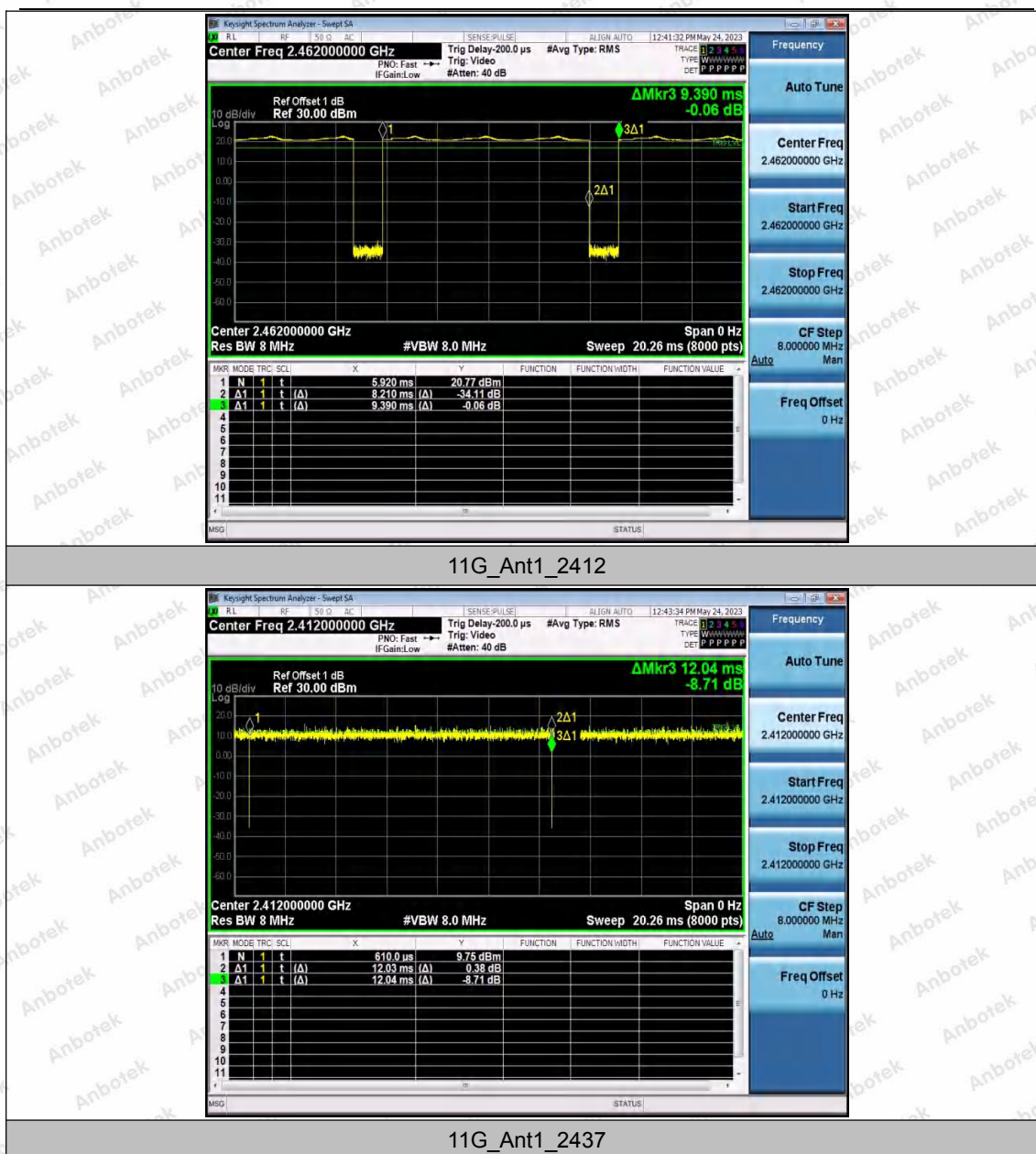
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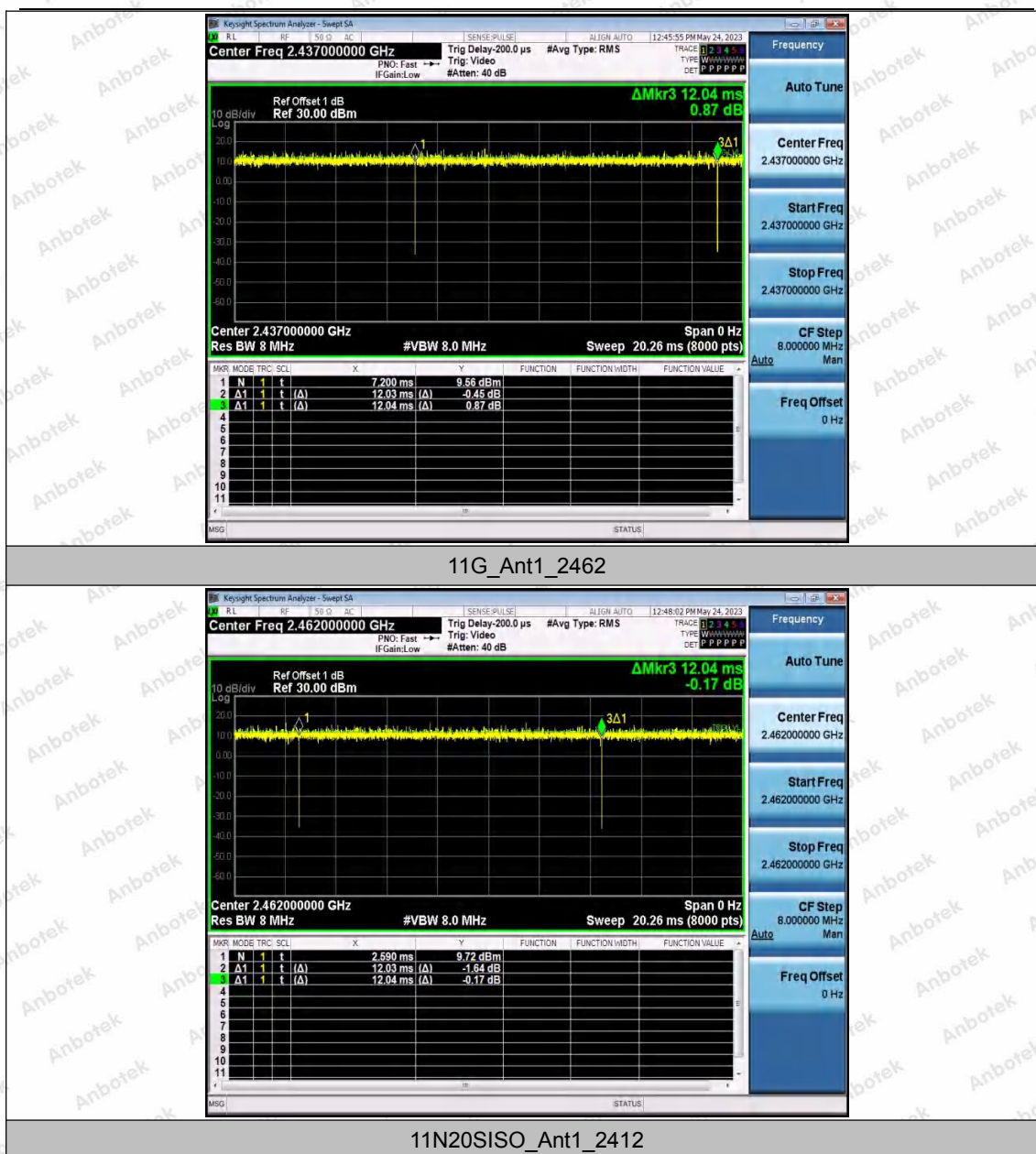
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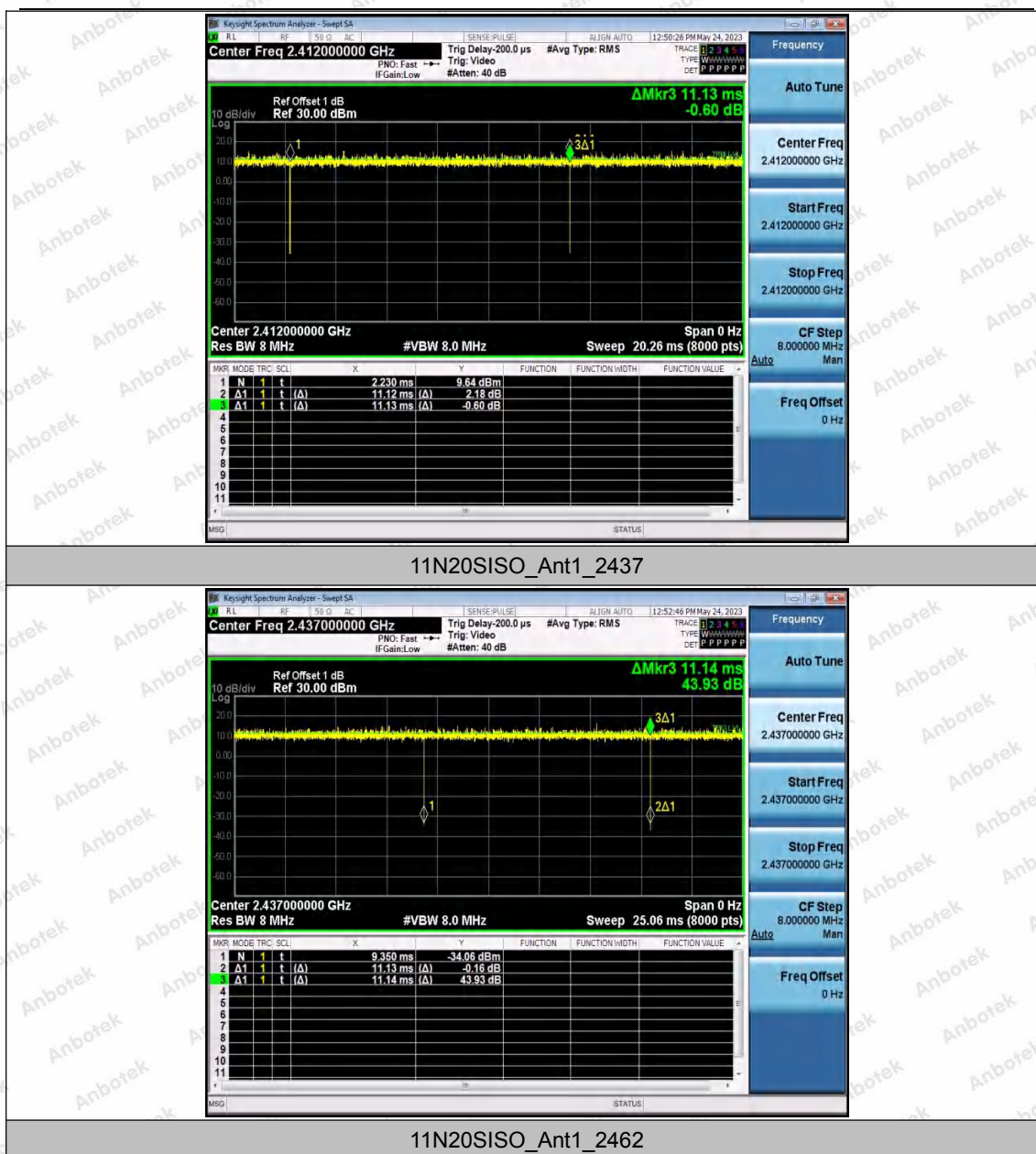
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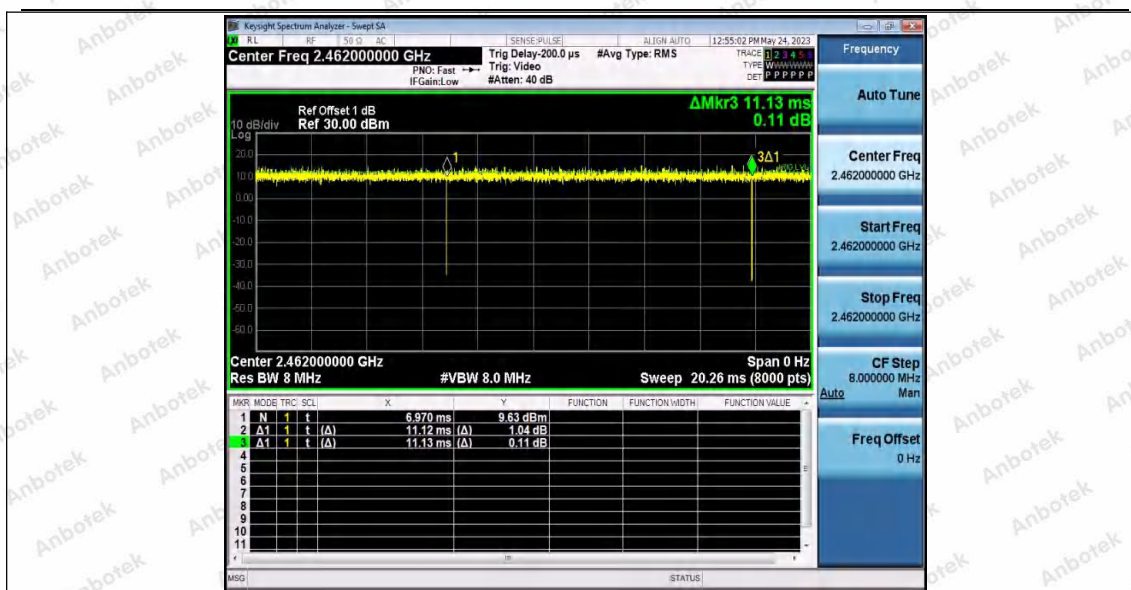
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