

Appendix Test Data

Report No.:	18220WC30246401	Test Sample No.:	1-2-2
Start Test Date:	2023.11.21	Finish Test Date:	2023.11.28
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.000	2416.560	0.5	PASS
		2437	9.560	2432.480	2442.040	0.5	PASS
		2462	9.080	2457.480	2466.560	0.5	PASS
11G	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.160	2429.440	2444.600	0.5	PASS
		2462	15.880	2454.040	2469.920	0.5	PASS
11N20SISO	Ant1	2412	15.720	2404.440	2420.160	0.5	PASS
		2437	15.160	2429.440	2444.600	0.5	PASS
		2462	15.280	2454.240	2469.520	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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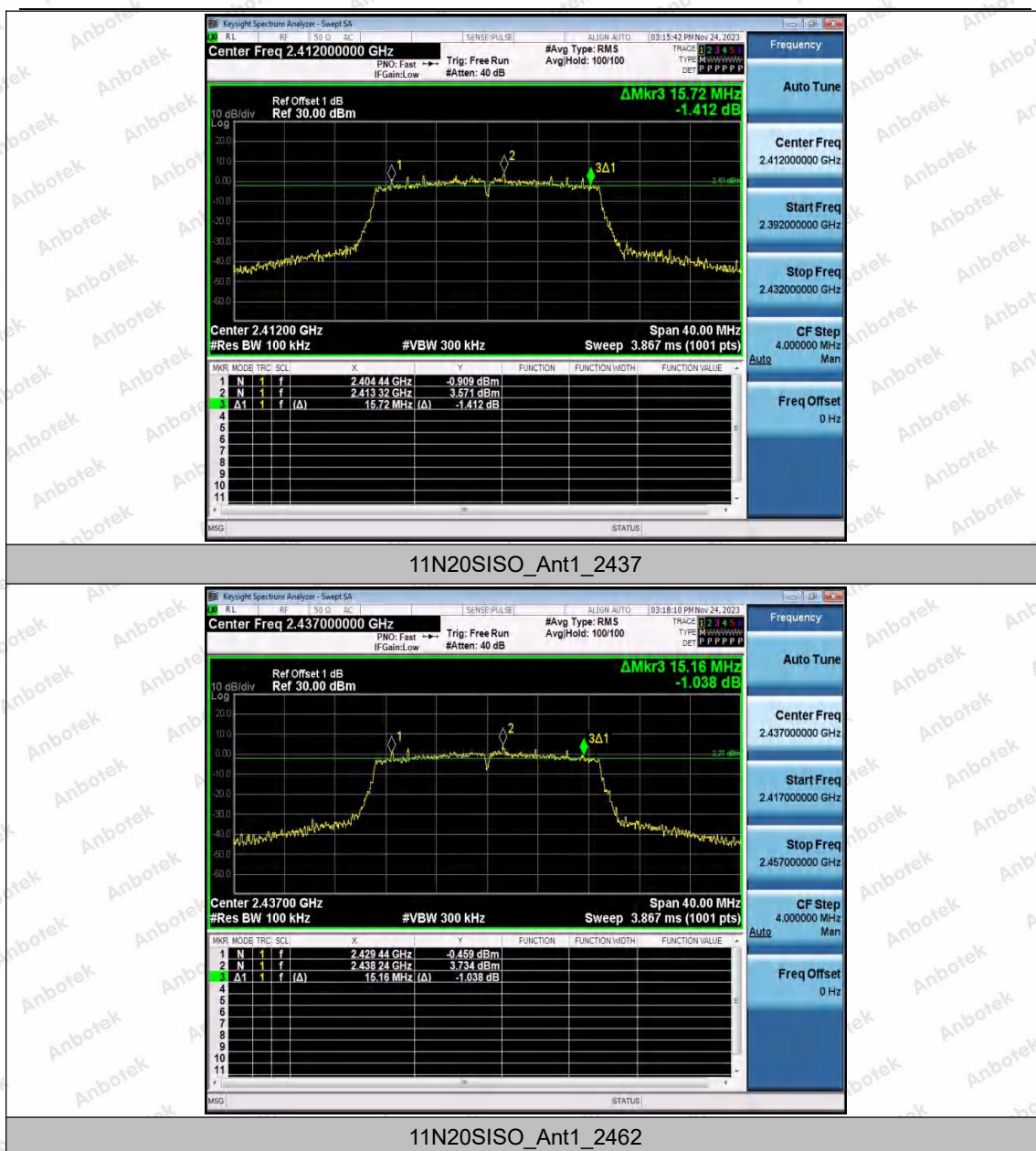
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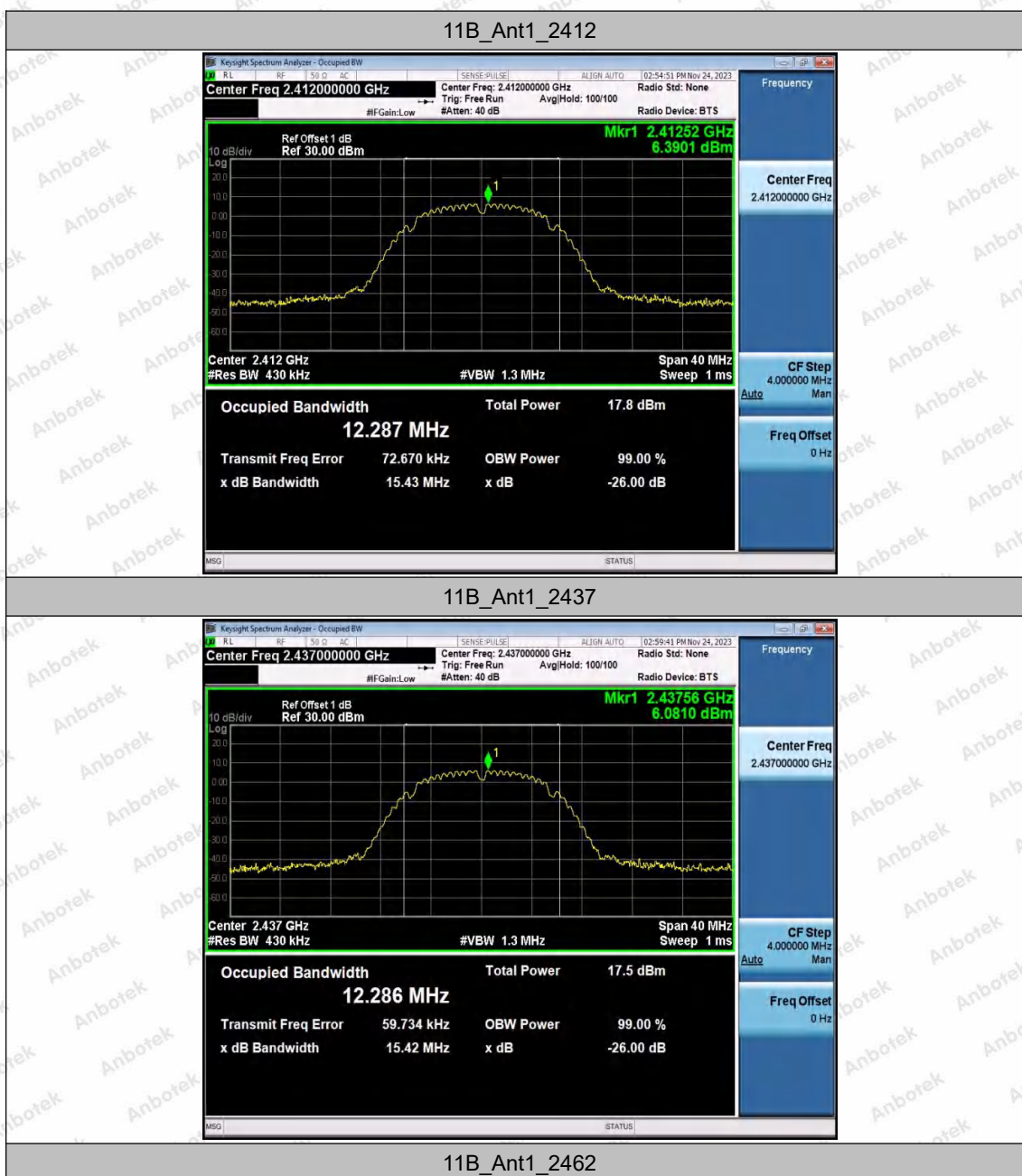
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.287	2405.9292	2418.2162	---	---
		2437	12.286	2430.9167	2443.2027	---	---
		2462	12.297	2455.8854	2468.1824	---	---
11G	Ant1	2412	16.758	2403.6842	2420.4422	---	---
		2437	16.841	2428.6378	2445.4788	---	---
		2462	16.836	2453.5771	2470.4131	---	---
11N20SISO	Ant1	2412	17.711	2403.1958	2420.9068	---	---
		2437	17.768	2428.1708	2445.9388	---	---
		2462	17.764	2453.1448	2470.9088	---	---



Test Graphs



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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Peak Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	14.87	≤30.00
		2437	14.56	≤30.00
		2462	14.99	≤30.00
11G	Ant1	2412	14.76	≤30.00
		2437	14.62	≤30.00
		2462	14.57	≤30.00
11N20SISO	Ant1	2412	14.75	≤30.00
		2437	14.85	≤30.00
		2462	14.55	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.49	≤8.00	PASS
		2437	-6.76	≤8.00	PASS
		2462	-8.62	≤8.00	PASS
11G	Ant1	2412	-11.18	≤8.00	PASS
		2437	-10.45	≤8.00	PASS
		2462	-10.93	≤8.00	PASS
11N20SISO	Ant1	2412	-10.69	≤8.00	PASS
		2437	-11.37	≤8.00	PASS
		2462	-10.99	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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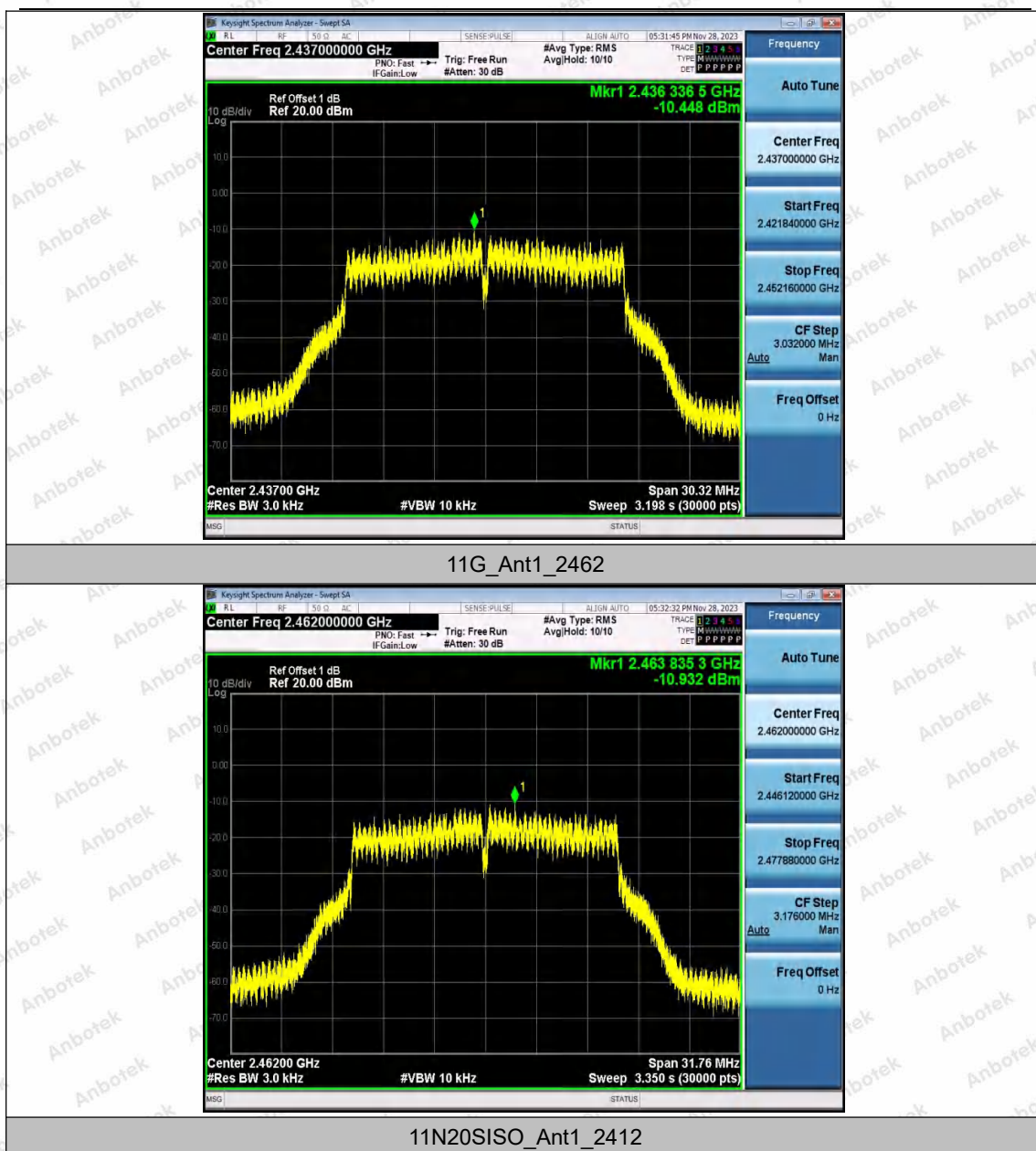
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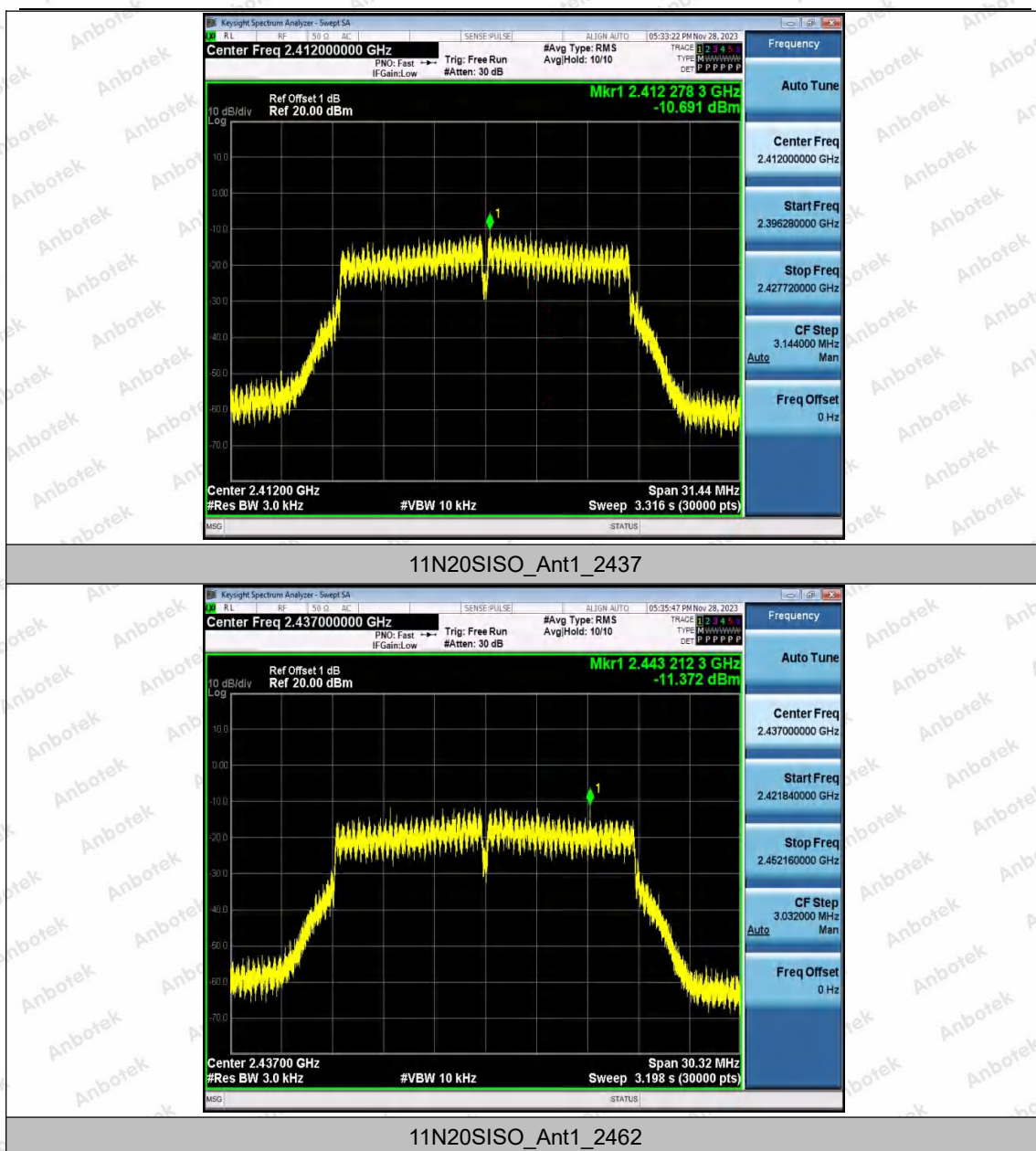
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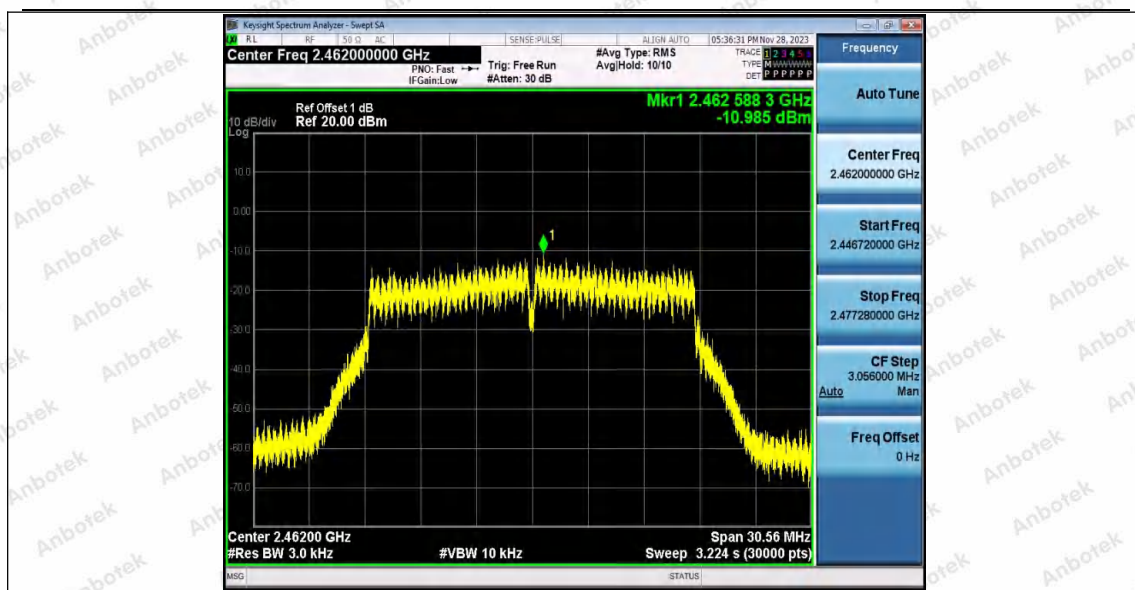
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Appendix E: Band edge measurements

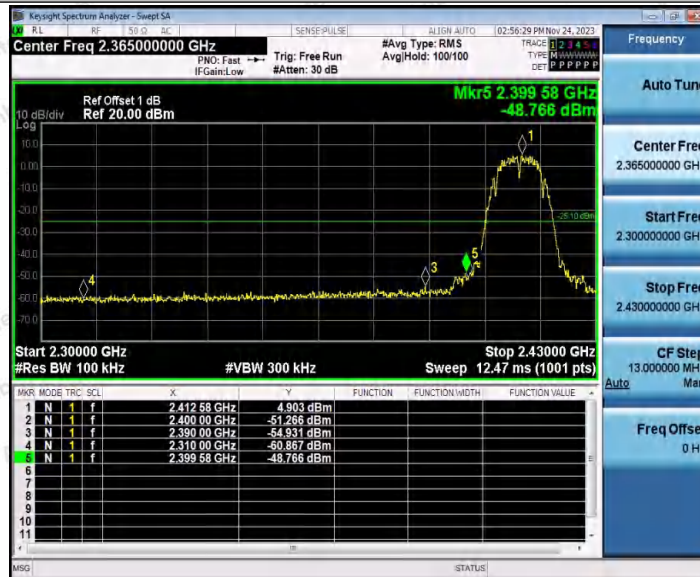
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.90	-48.77	≤-25.1	PASS
		High	2462	5.43	-54.35	≤-24.57	PASS
11G	Ant1	Low	2412	3.94	-34.54	≤-26.06	PASS
		High	2462	2.94	-48.8	≤-27.06	PASS
11N20SISO	Ant1	Low	2412	4.66	-33.28	≤-25.34	PASS
		High	2462	4.09	-46.83	≤-25.91	PASS

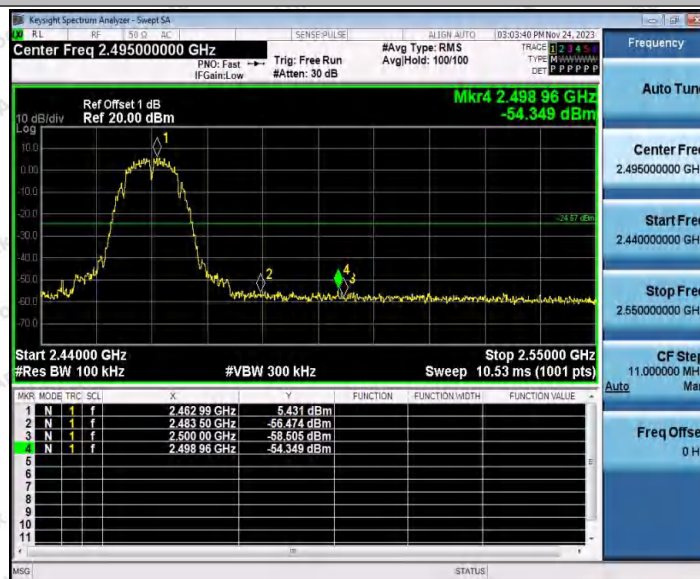


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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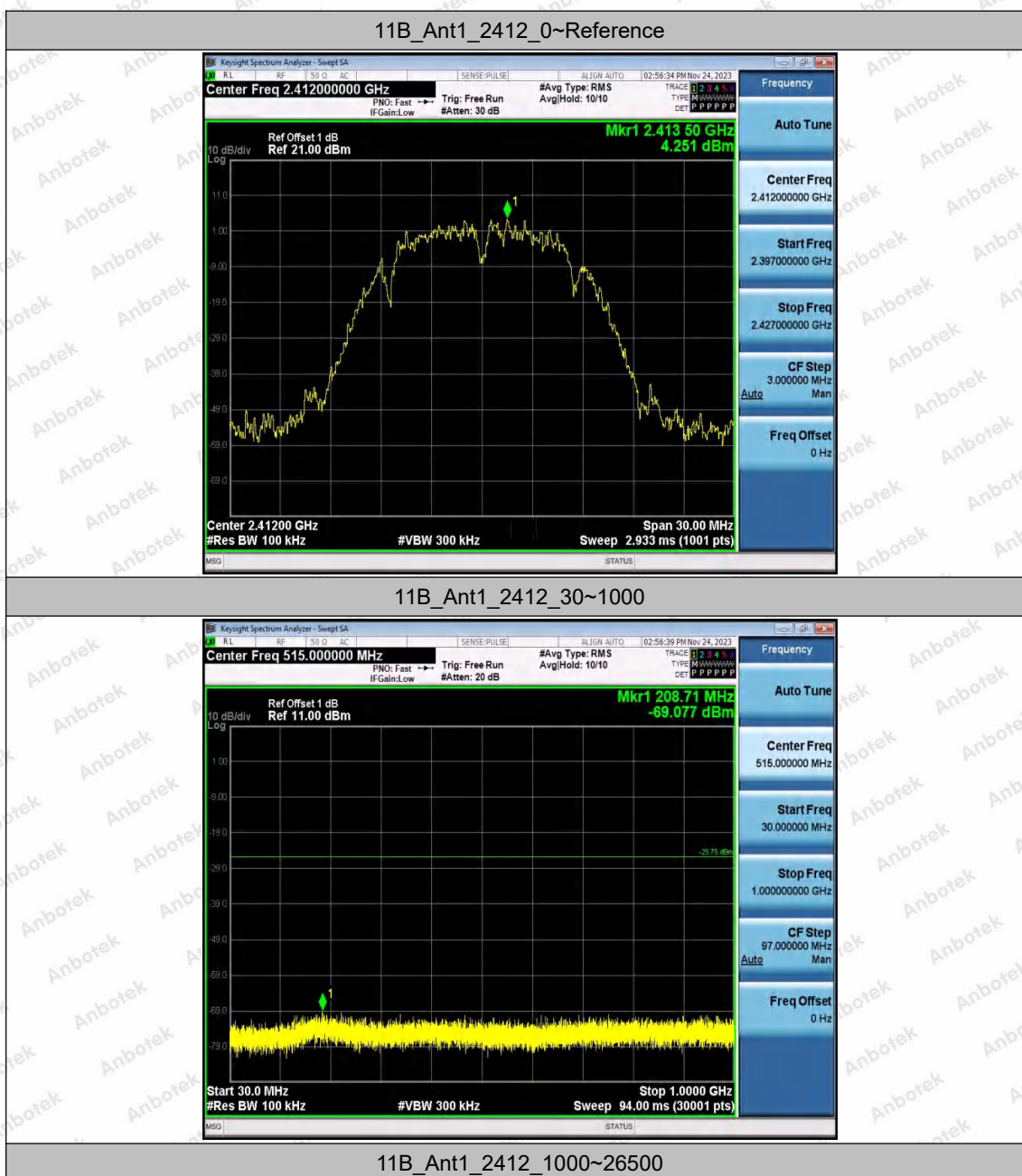
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.25	4.25	---	PASS
			30~1000	4.25	-69.08	≤-25.75	PASS
			1000~26500	4.25	-53.63	≤-25.75	PASS
		2437	Reference	4.57	4.57	---	PASS
			30~1000	4.57	-68.85	≤-25.43	PASS
			1000~26500	4.57	-53.77	≤-25.43	PASS
		2462	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-68.29	≤-25.69	PASS
			1000~26500	4.31	-51.92	≤-25.69	PASS
11G	Ant1	2412	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-68.63	≤-25.51	PASS
			1000~26500	4.49	-53.57	≤-25.51	PASS
		2437	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-69.31	≤-28.69	PASS
			1000~26500	1.31	-53.7	≤-28.69	PASS
		2462	Reference	1.90	1.90	---	PASS
			30~1000	1.90	-69.09	≤-28.1	PASS
			1000~26500	1.90	-41.24	≤-28.1	PASS
11N20SISO	Ant1	2412	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-68.56	≤-26.43	PASS
			1000~26500	3.57	-53.52	≤-26.43	PASS
		2437	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-69.39	≤-29.39	PASS
			1000~26500	0.61	-53.54	≤-29.39	PASS
		2462	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-59.79	≤-28.76	PASS
			1000~26500	1.24	-53.48	≤-28.76	PASS



Test Graphs



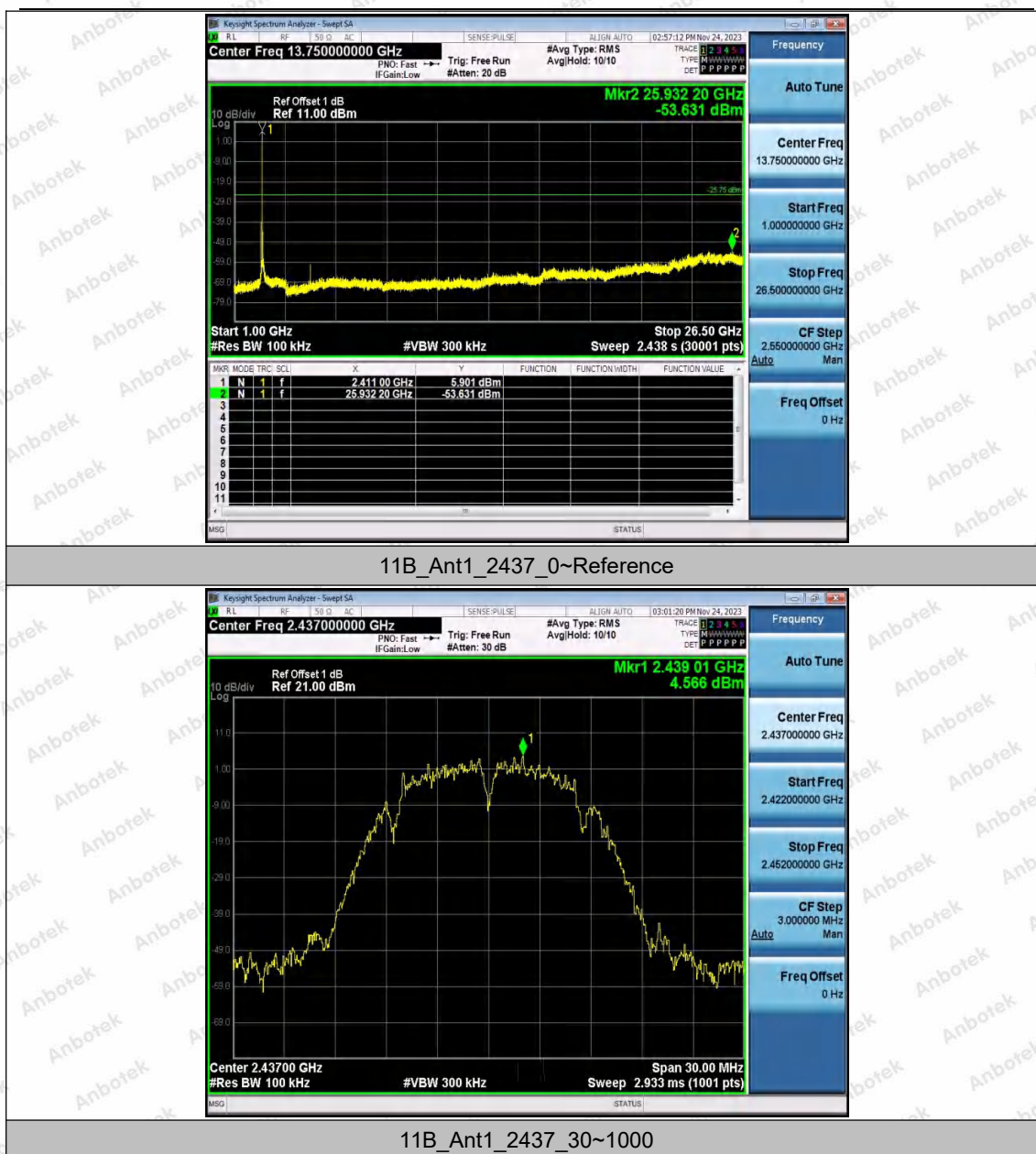
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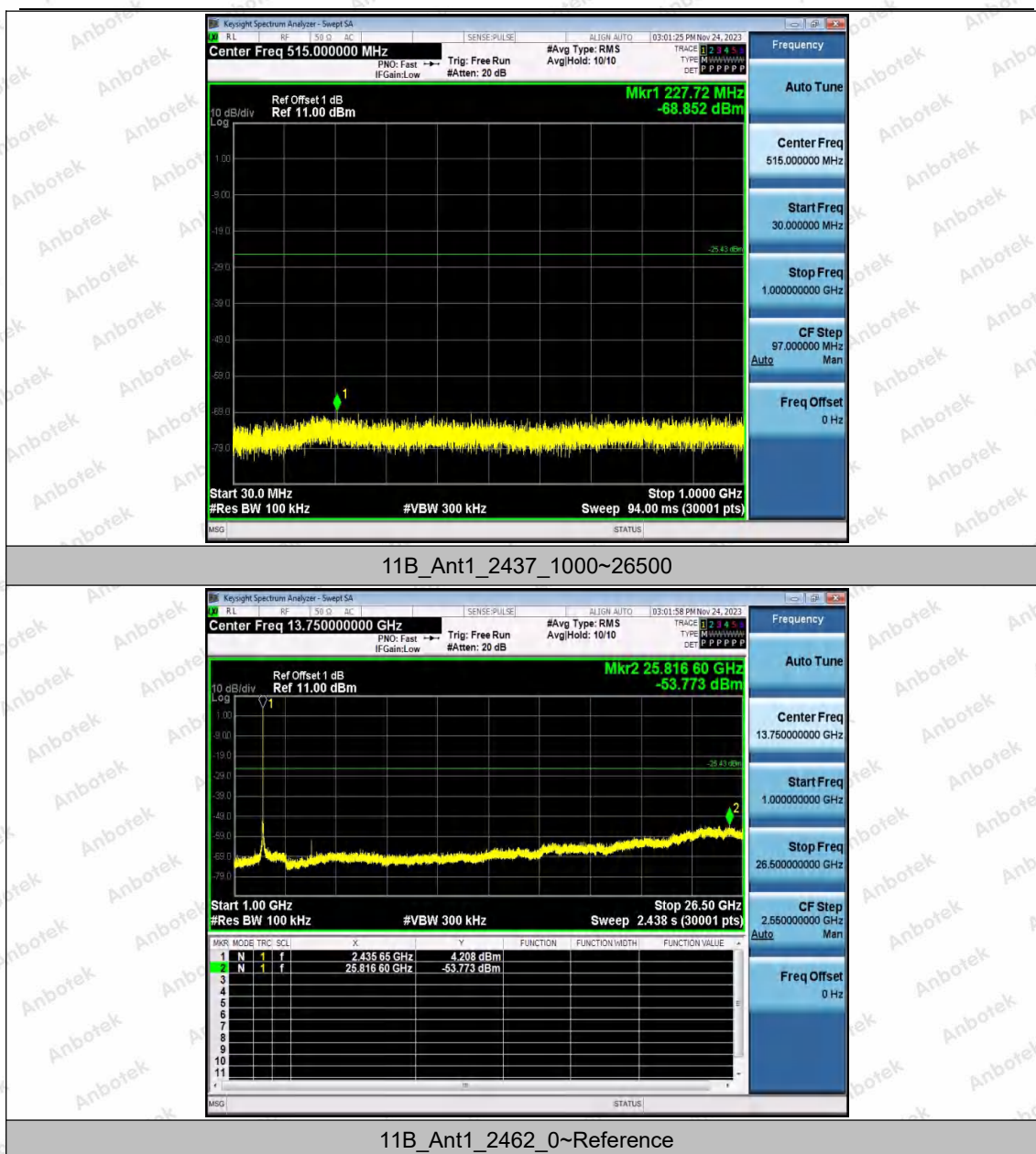
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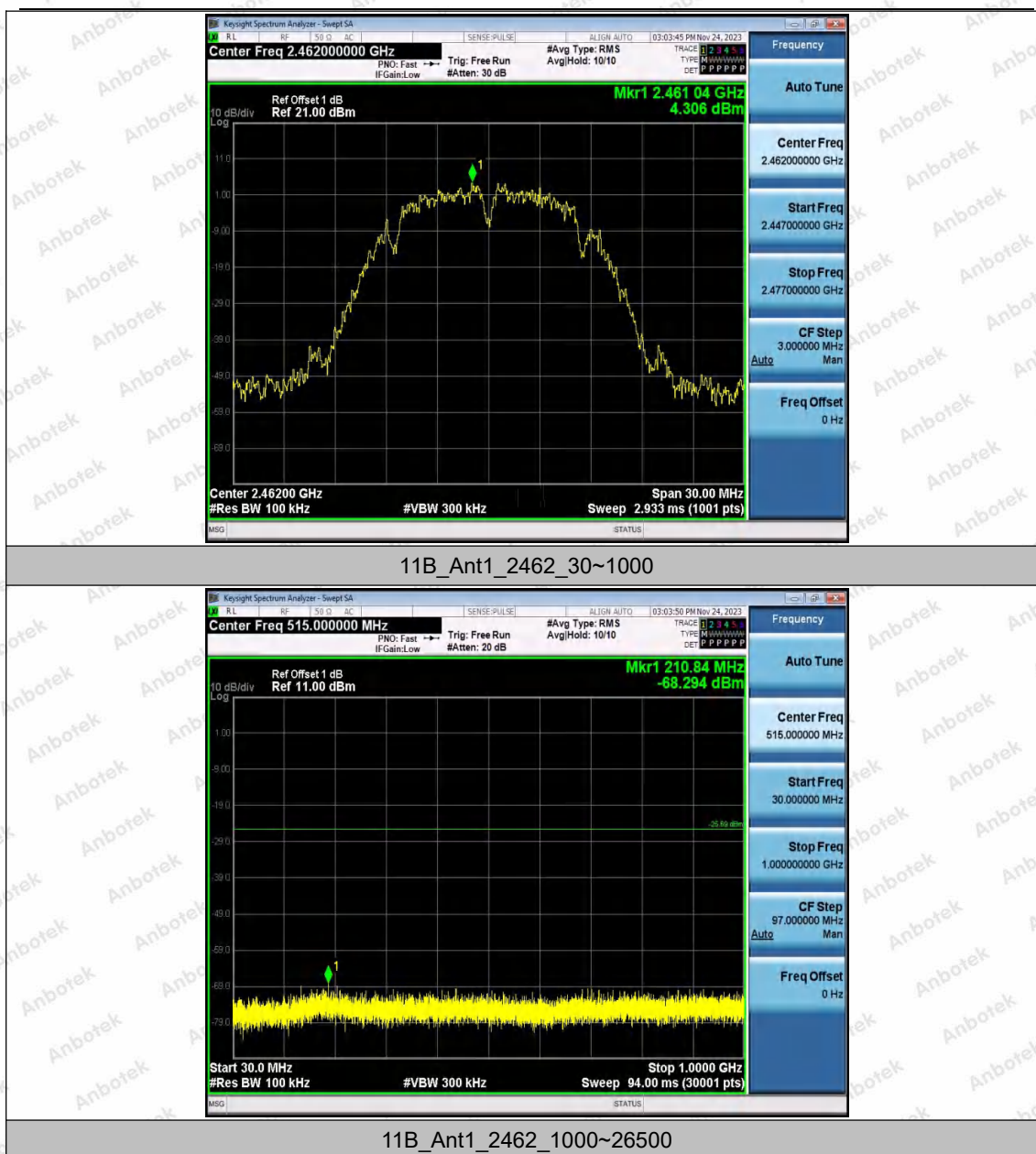
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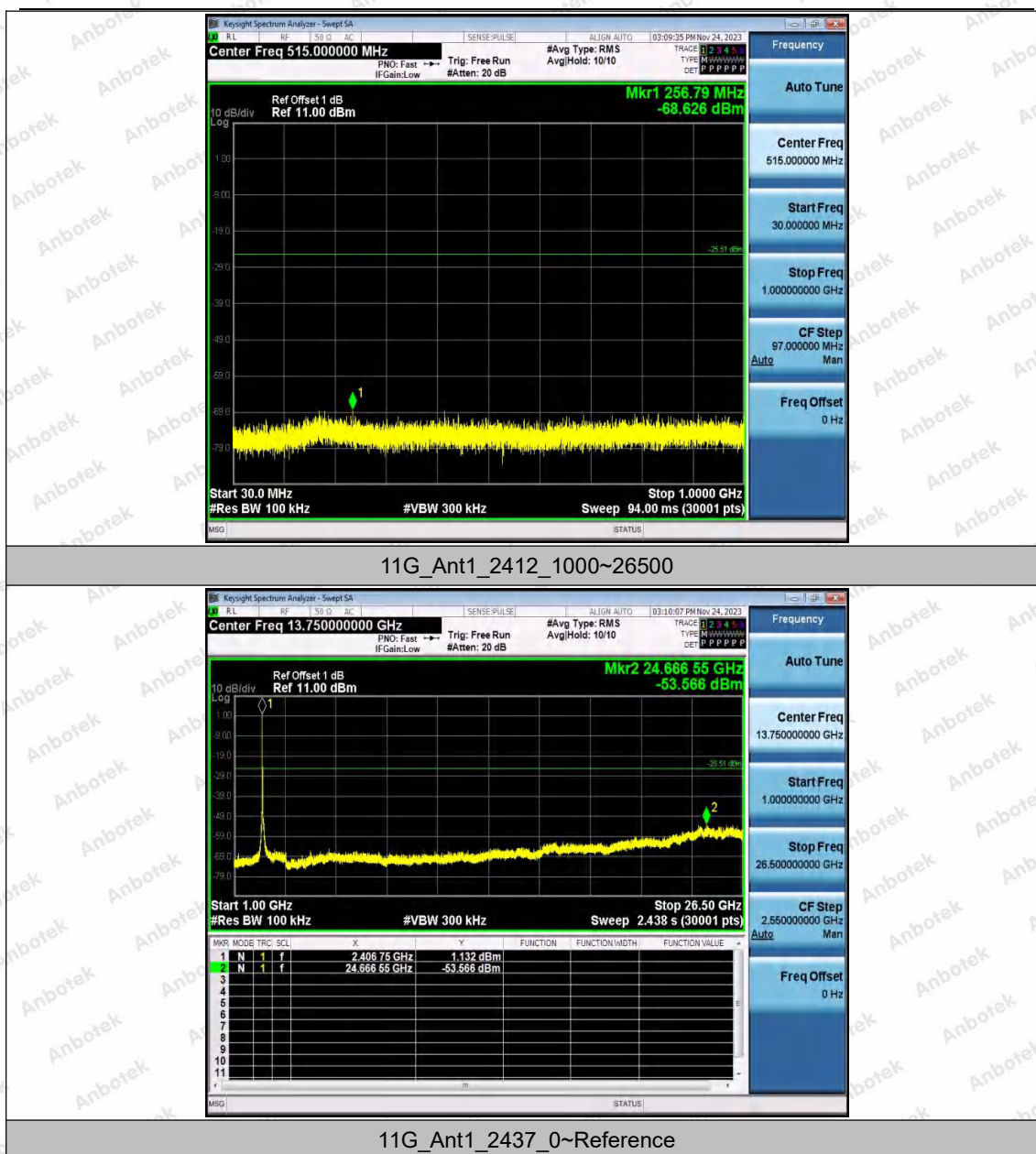
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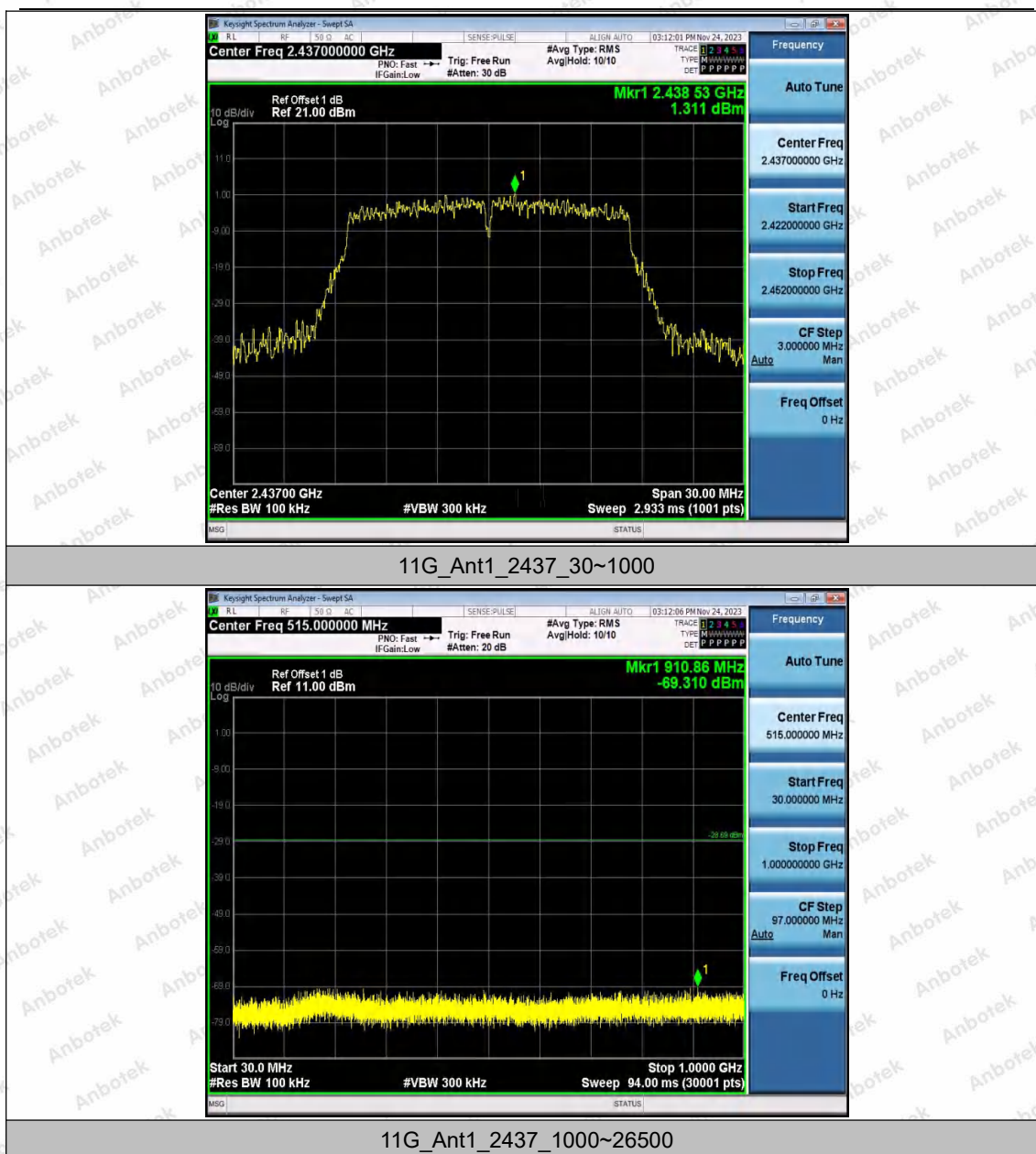
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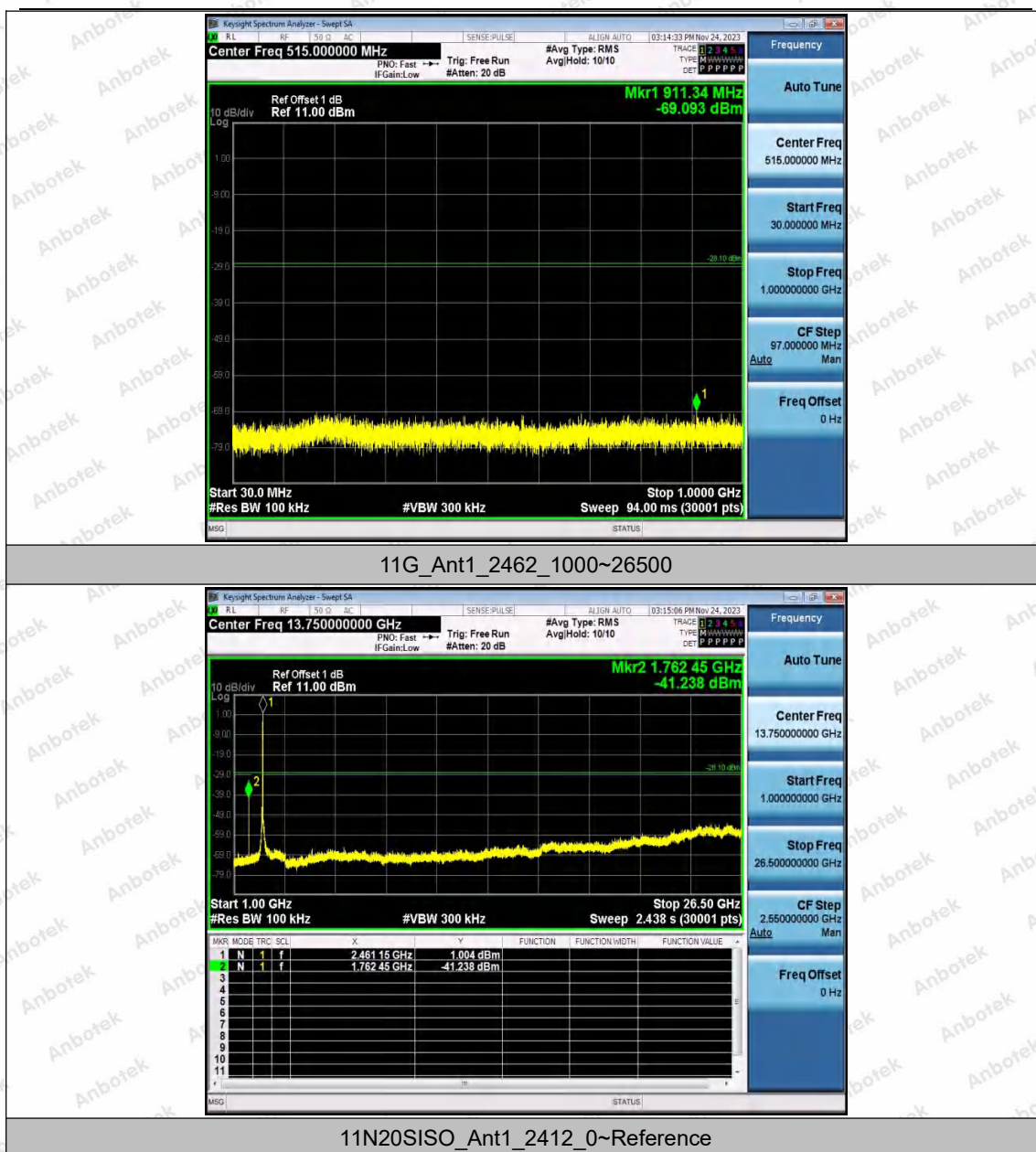
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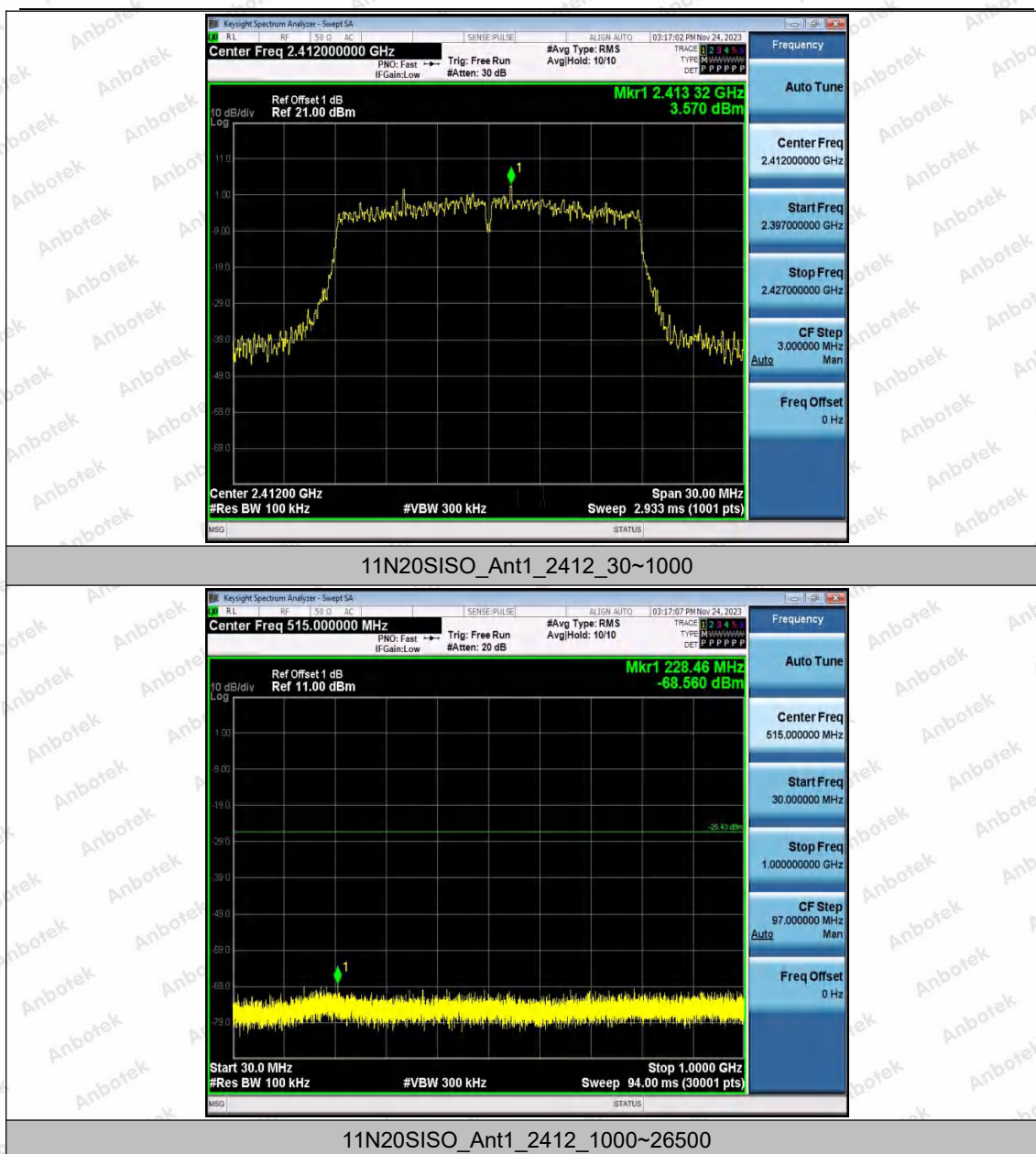
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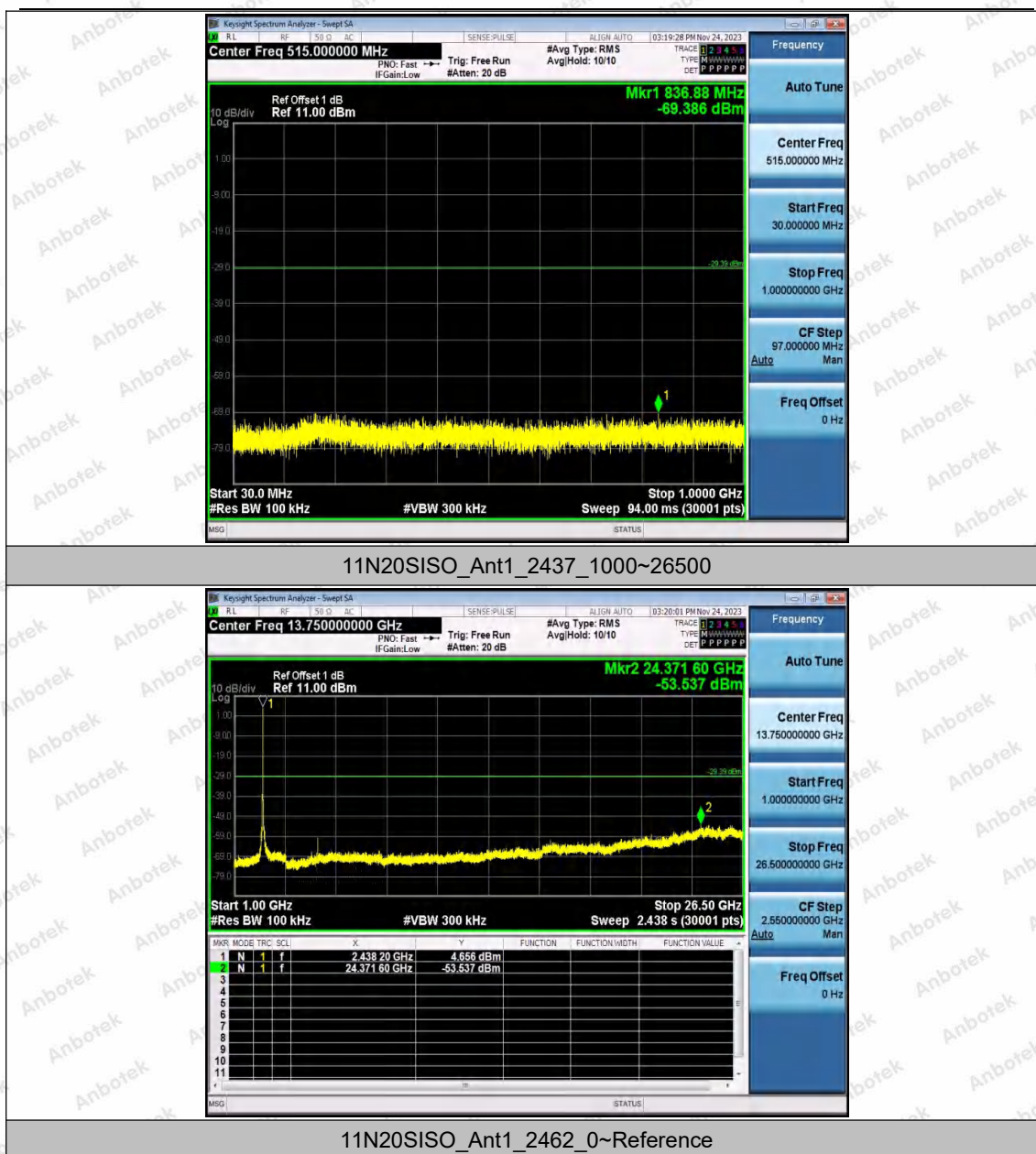
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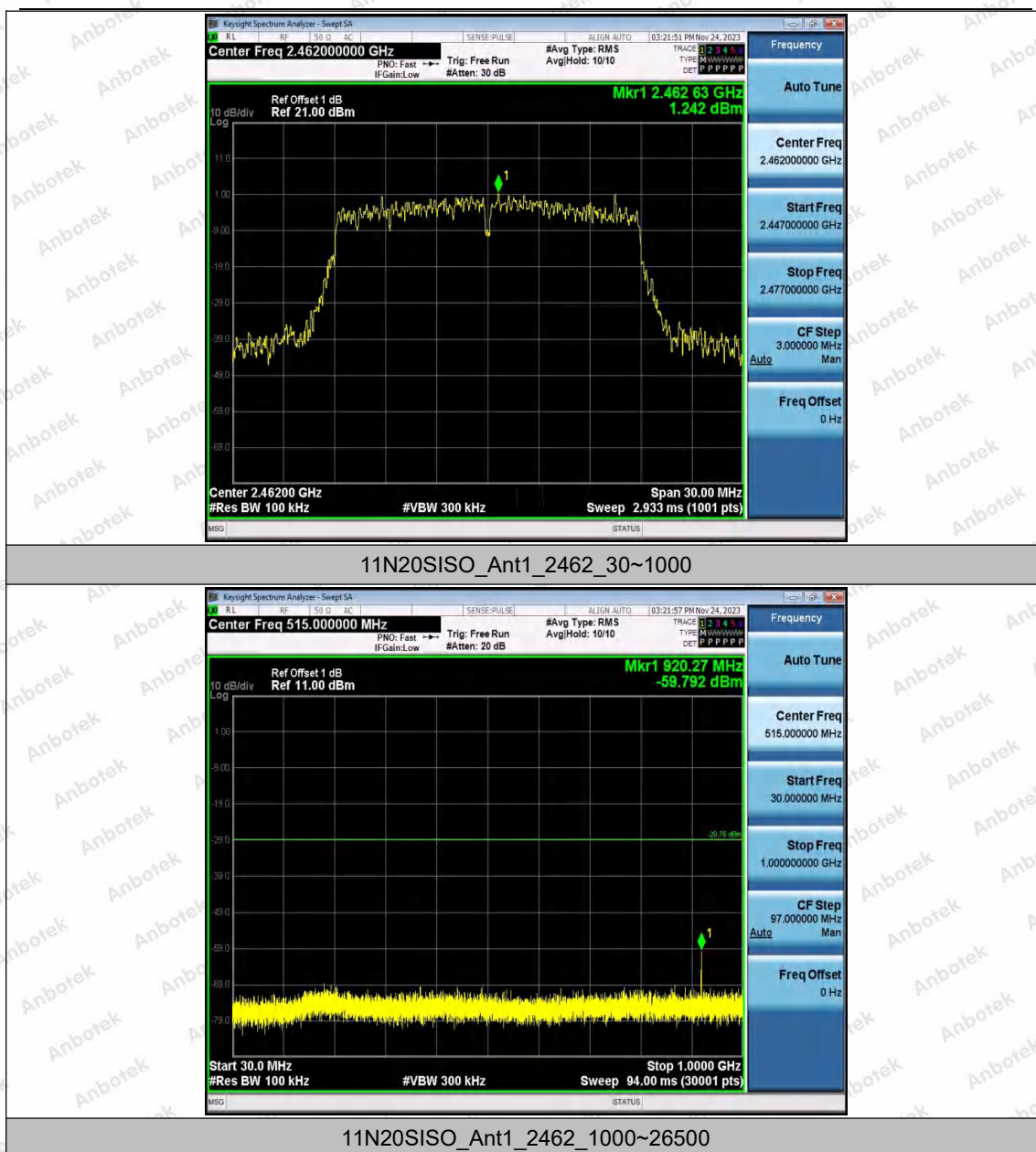
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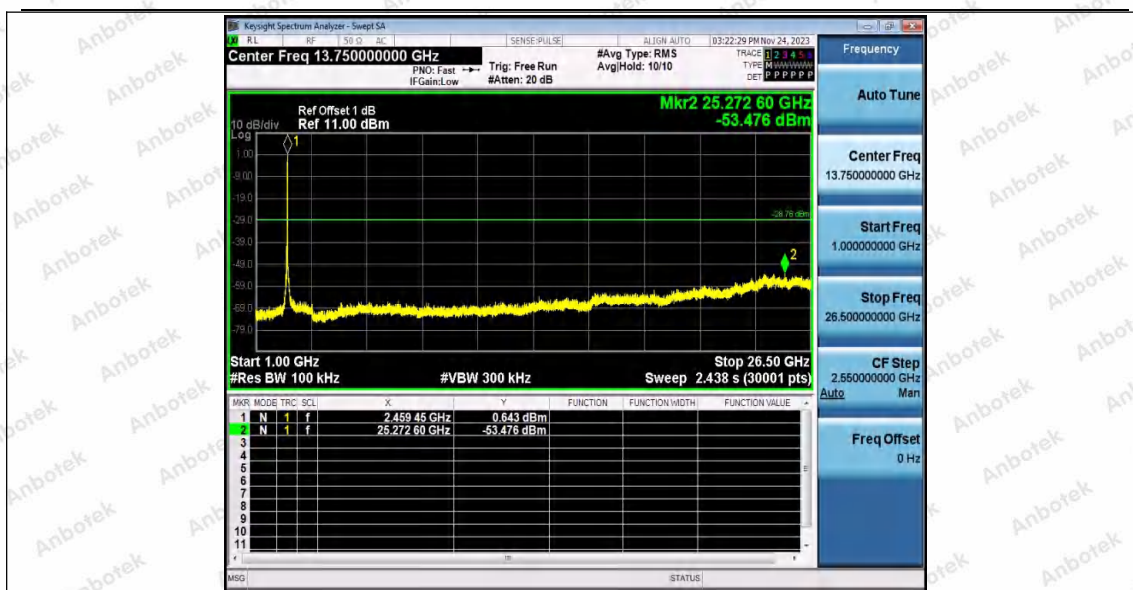
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Appendix G: Duty Cycle

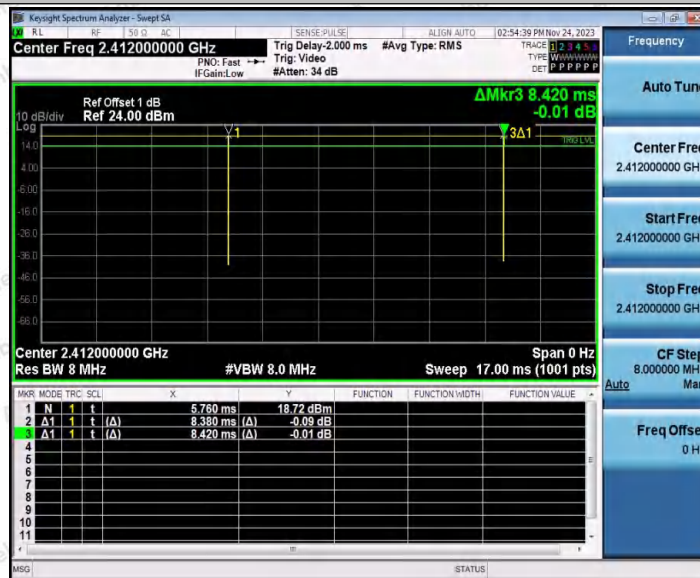
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.42	99.52	0.02
		2437	8.38	8.41	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.40	1.43	97.90	0.09
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.31	1.34	97.76	0.10
		2462	1.30	1.34	97.01	0.13



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

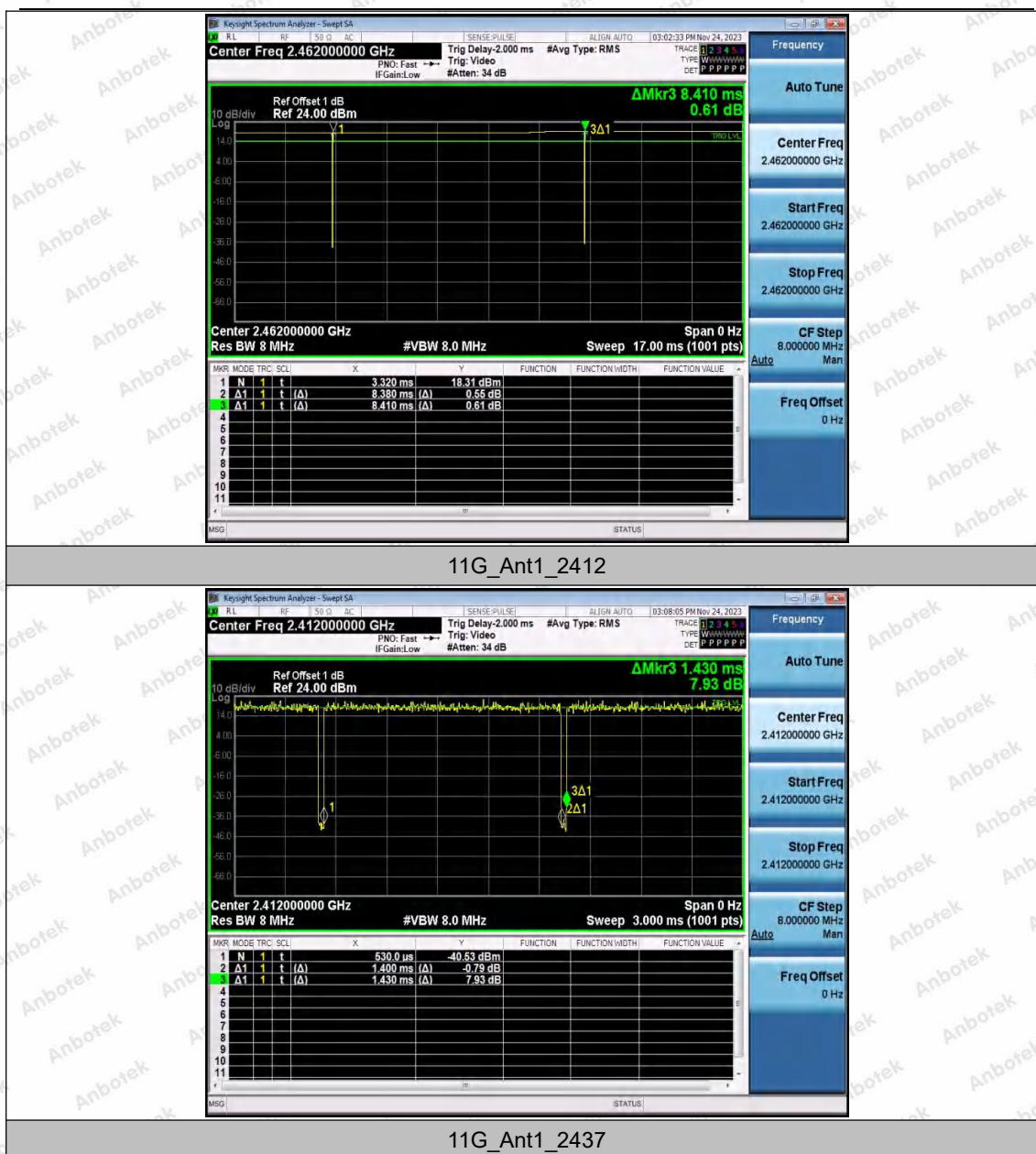
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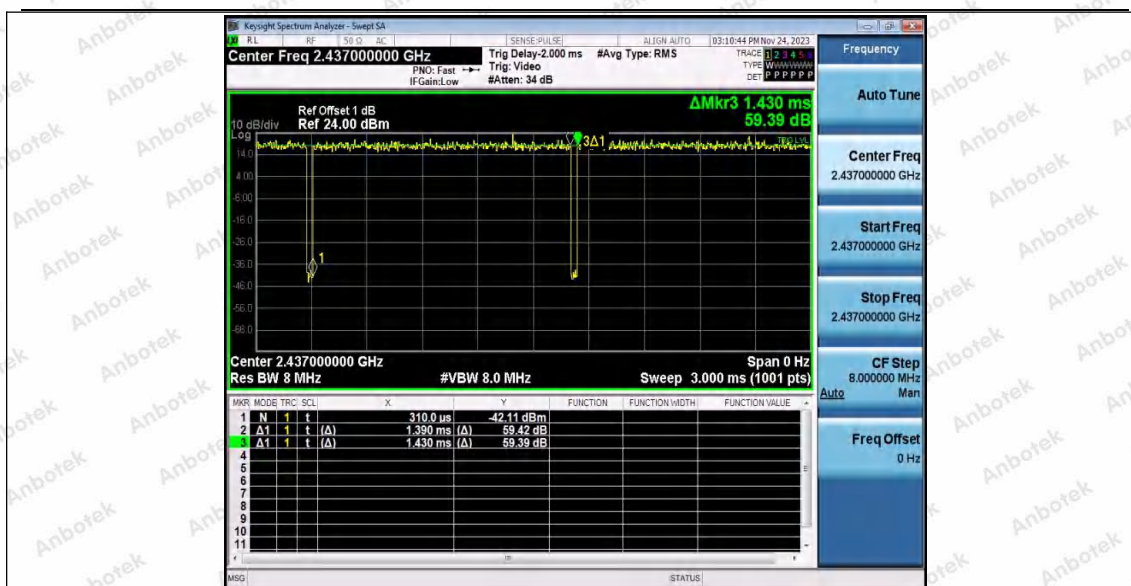
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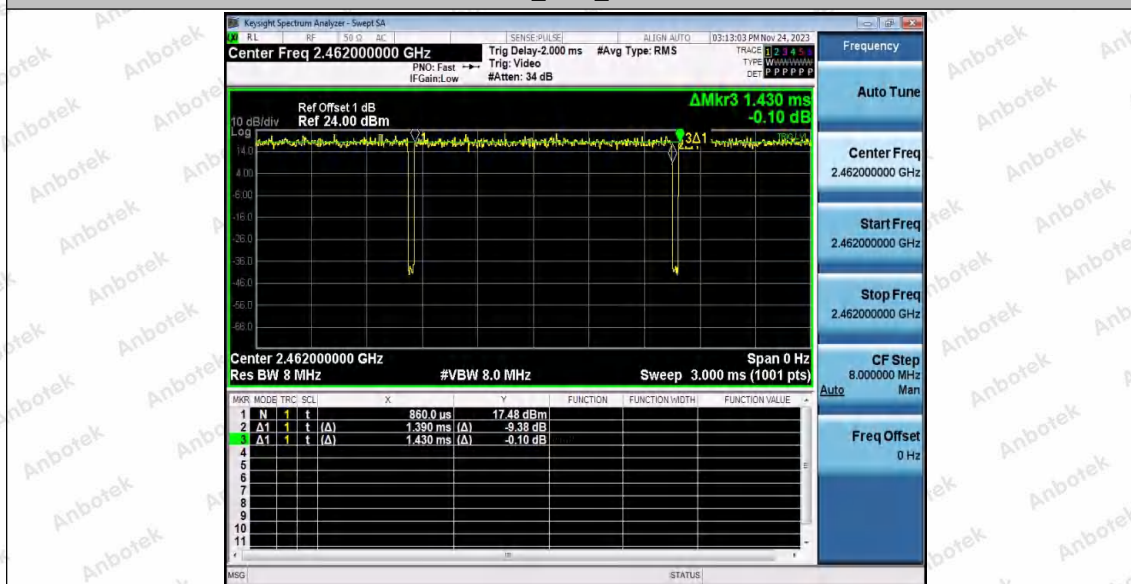


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11G Ant1 2462



11N20SISO Ant1 2412

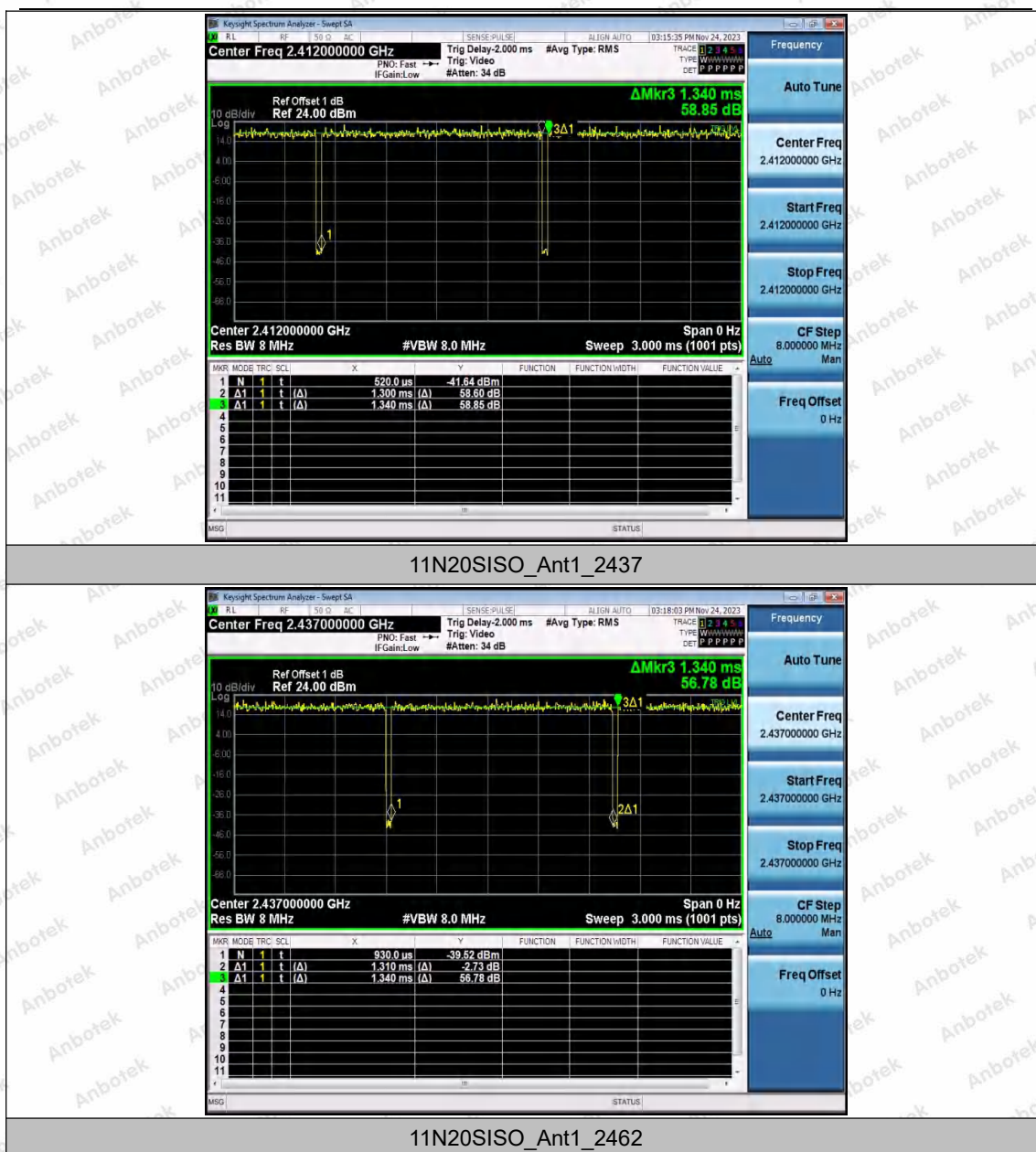
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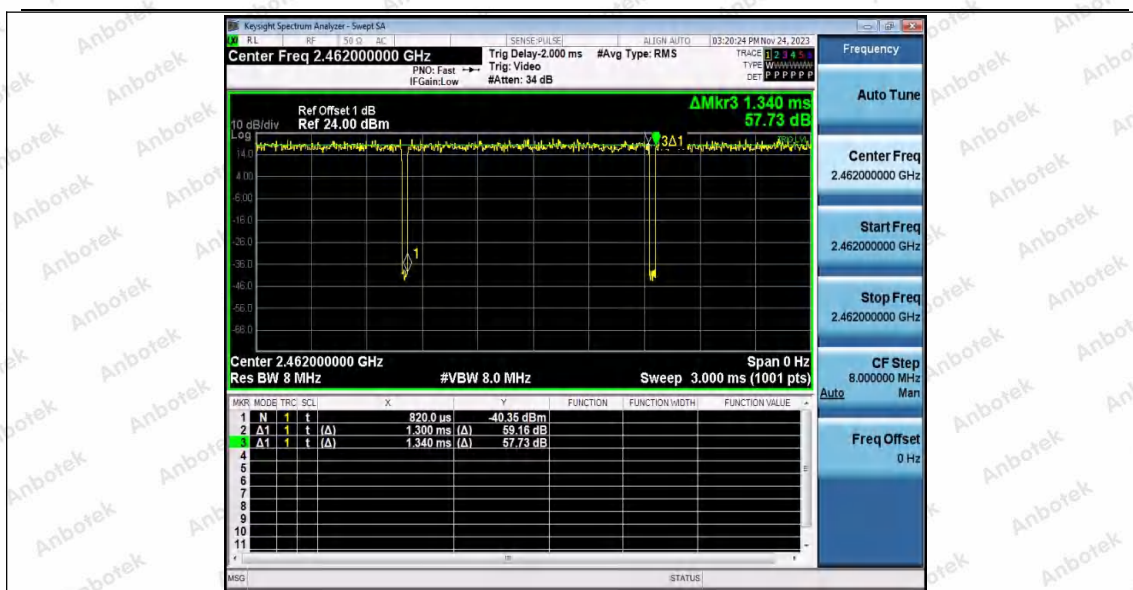
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