

Appendix Test Data

Report No.:	18220WC30197401	Test Sample No.:	1-2-2
Start Test Date:	2023.09.12	Finish Test Date:	2023.09.14
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	49.2%
Pressure:	102kPa		

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	2407.480	2417.040	≥0.5	PASS
		2437	9.520	2432.040	2441.560	≥0.5	PASS
		2462	9.560	2457.000	2466.560	≥0.5	PASS
11G	Ant1	2412	13.800	2405.720	2419.520	≥0.5	PASS
		2437	13.800	2429.520	2443.320	≥0.5	PASS
		2462	12.400	2455.520	2467.920	≥0.5	PASS
11N20SISO	Ant1	2412	13.760	2404.560	2418.320	≥0.5	PASS
		2437	12.600	2430.760	2443.360	≥0.5	PASS
		2462	13.840	2455.720	2469.560	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2462



11N20SISO_Ant1_2412

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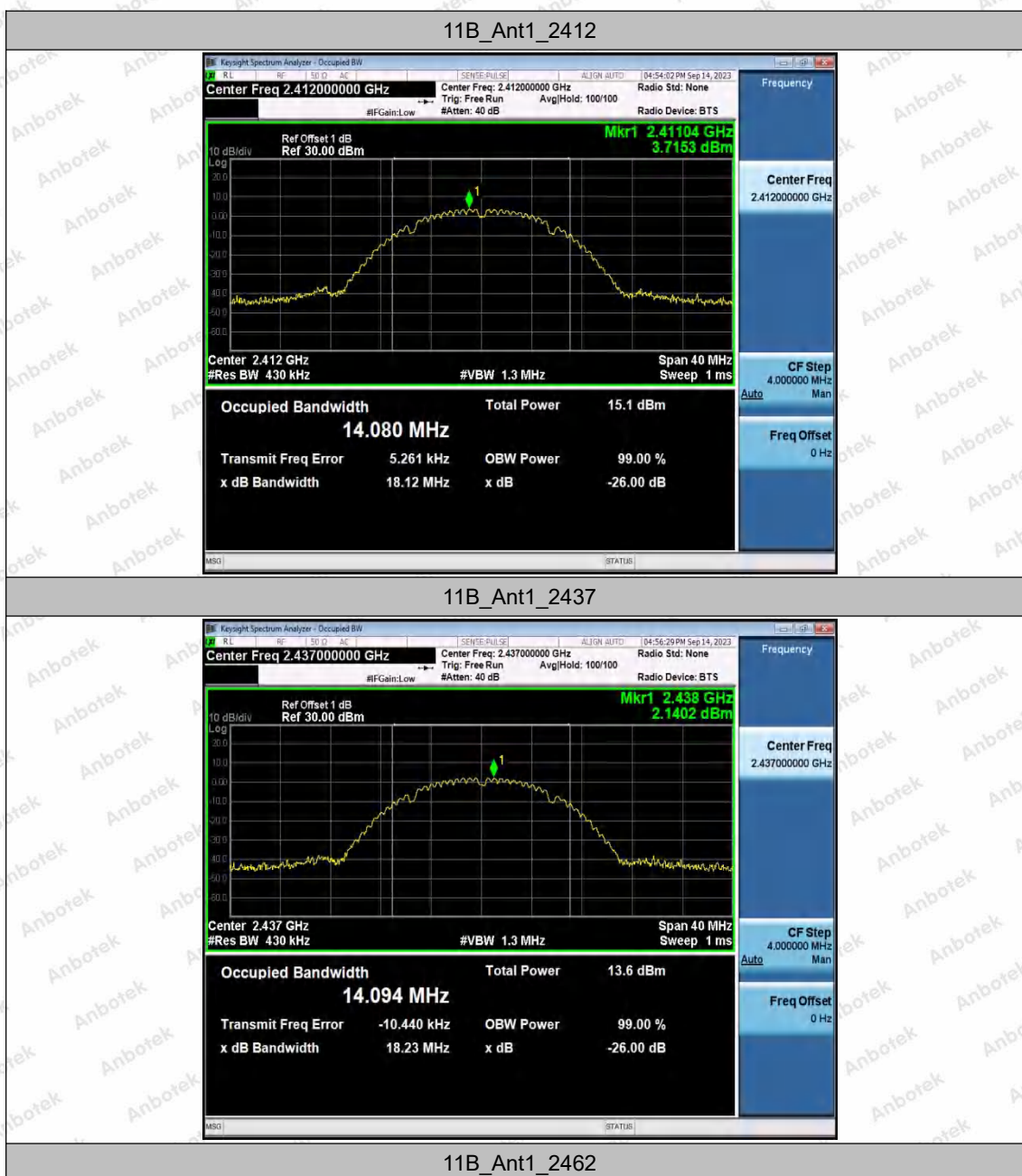
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.080	2404.9653	2419.0453	---	---
		2437	14.094	2429.9426	2444.0366	---	---
		2462	14.102	2454.9571	2469.0591	---	---
11G	Ant1	2412	16.528	2403.8385	2420.3665	---	---
		2437	16.544	2428.7840	2445.3280	---	---
		2462	16.529	2453.8156	2470.3446	---	---
11N20SISO	Ant1	2412	17.587	2403.2427	2420.8297	---	---
		2437	17.588	2428.2079	2445.7959	---	---
		2462	17.578	2453.2564	2470.8344	---	---



Test Graphs



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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	15.52	≤30.00
		2437	13.70	≤30.00
		2462	13.23	≤30.00
11G	Ant1	2412	16.34	≤30.00
		2437	15.70	≤30.00
		2462	16.08	≤30.00
11N20SISO	Ant1	2412	14.35	≤30.00
		2437	13.77	≤30.00
		2462	14.16	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.86	≤8.00	PASS
		2437	-6.12	≤8.00	PASS
		2462	-6.34	≤8.00	PASS
11G	Ant1	2412	-15.24	≤8.00	PASS
		2437	-17.36	≤8.00	PASS
		2462	-17.06	≤8.00	PASS
11N20SISO	Ant1	2412	-17.43	≤8.00	PASS
		2437	-18.34	≤8.00	PASS
		2462	-17.83	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

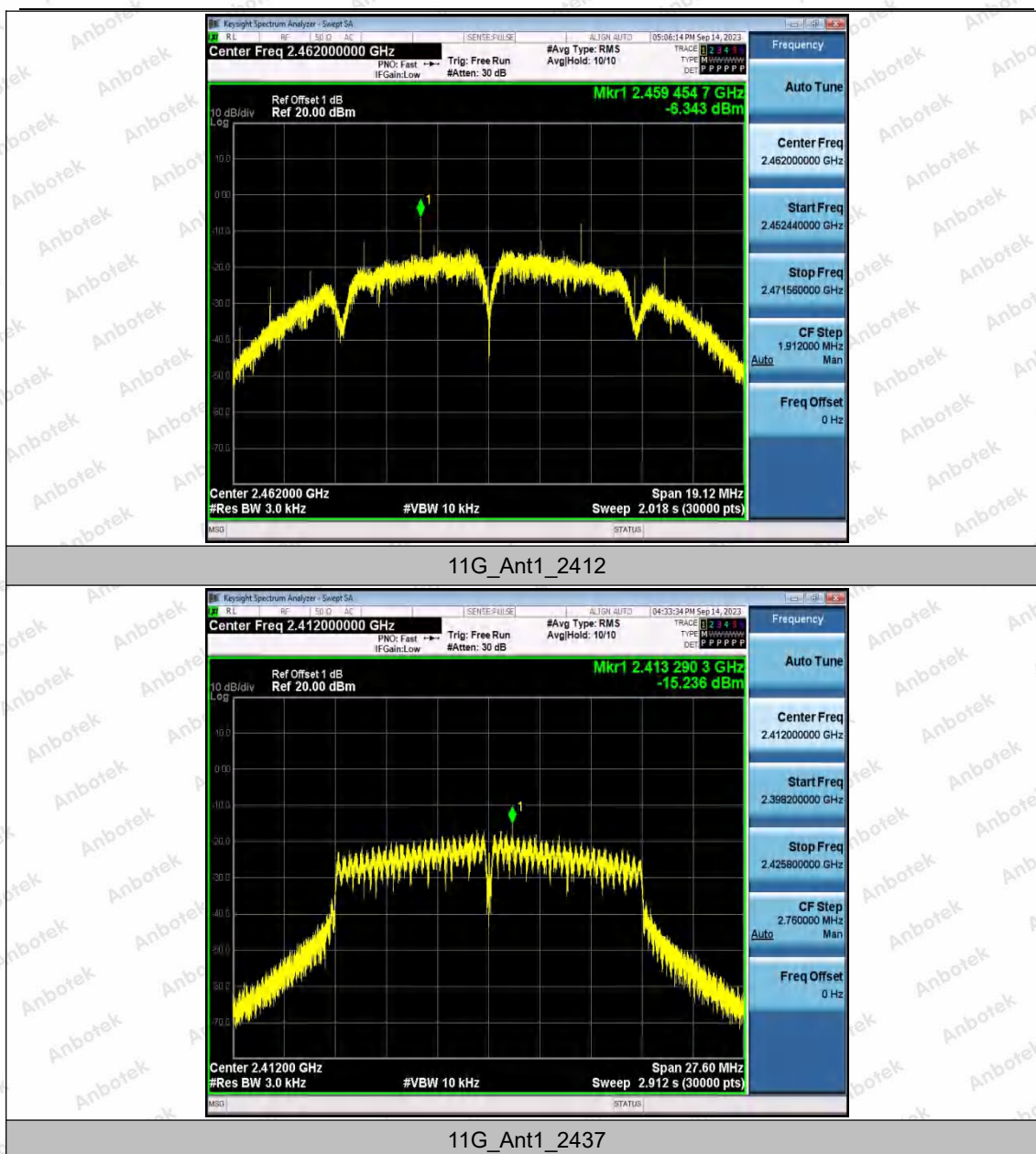
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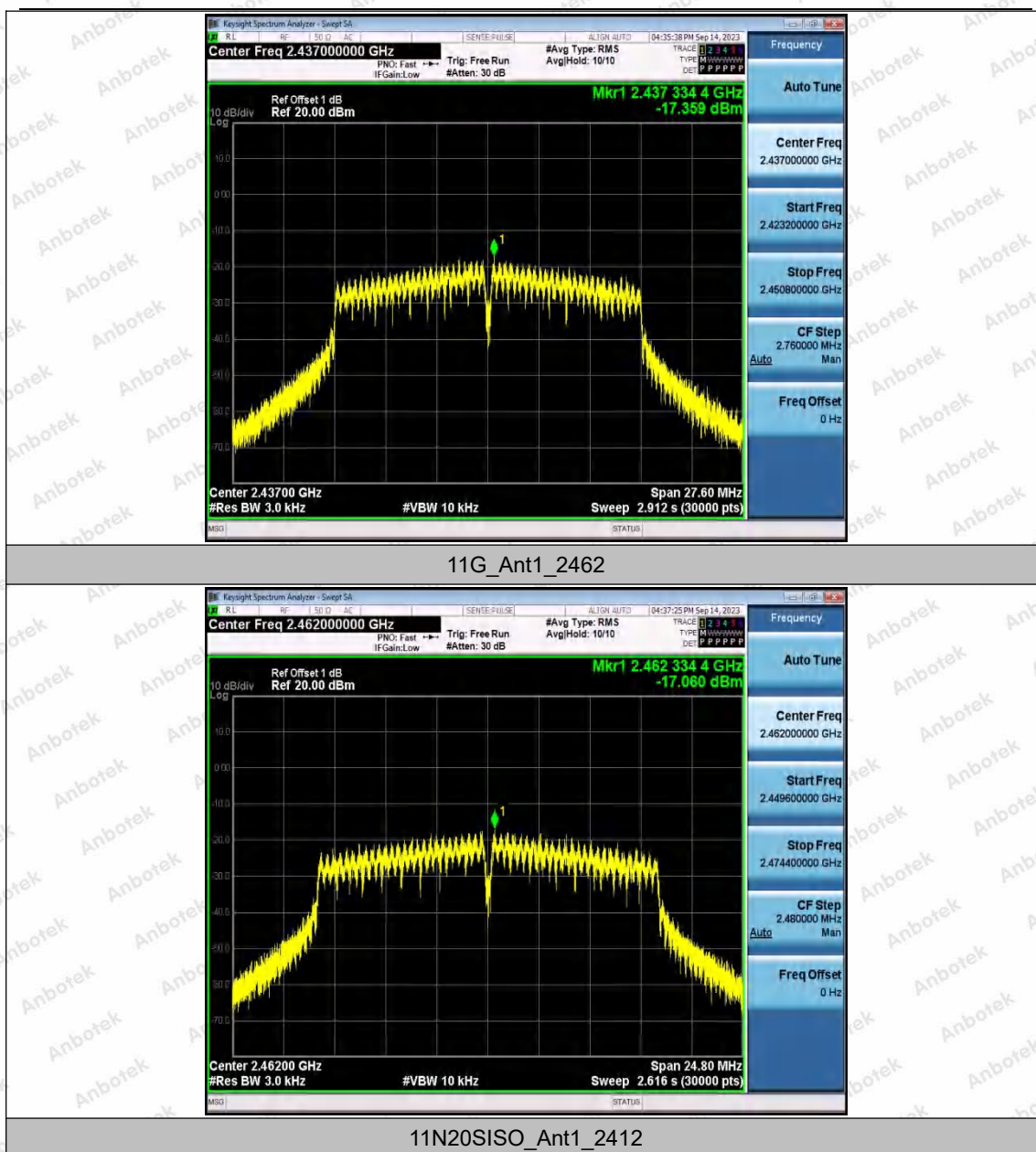
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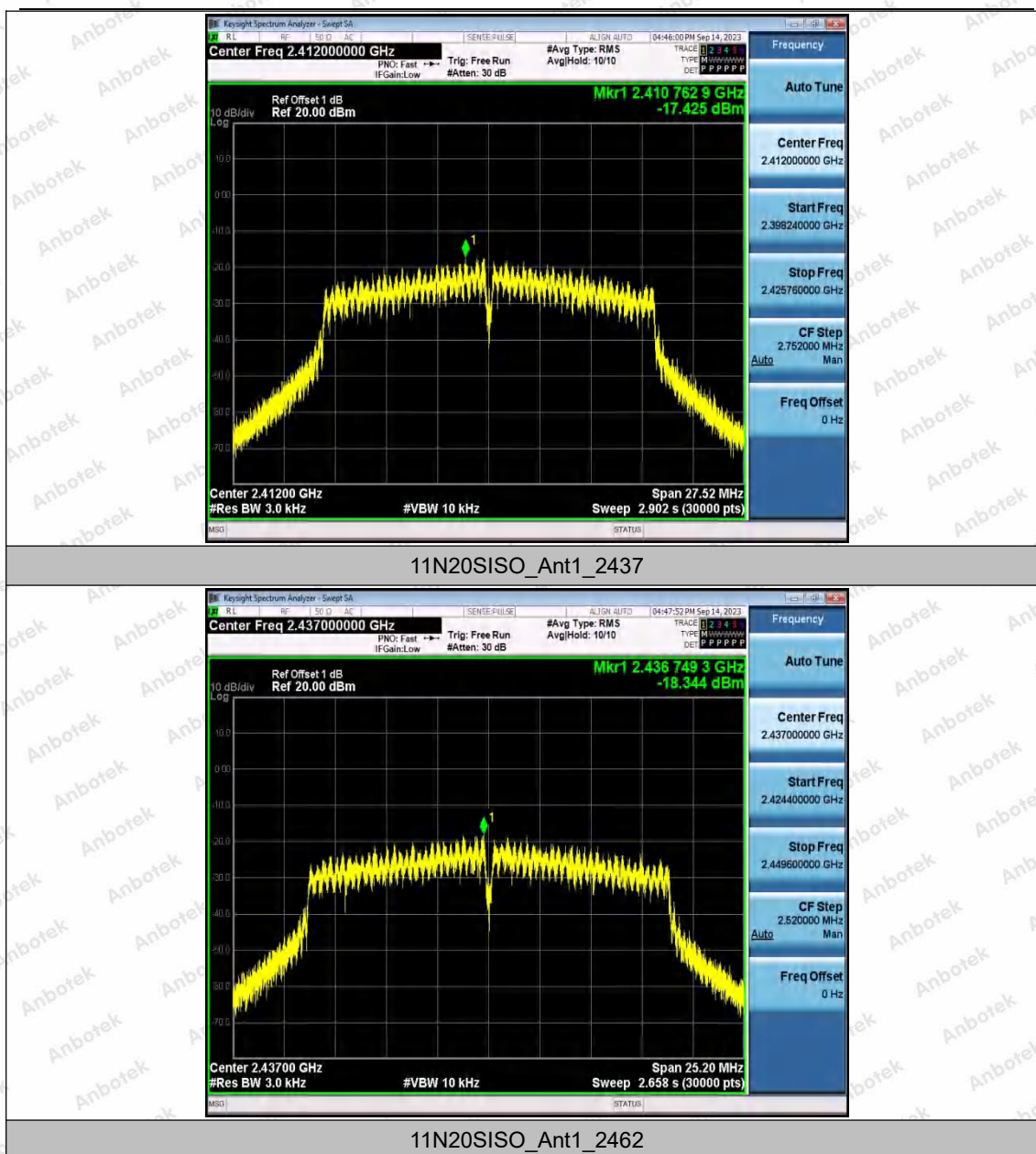
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.36	-40.65	≤-16.64	PASS
		High	2462	0.69	-55.8	≤-19.31	PASS
11G	Ant1	Low	2412	-0.26	-42.4	≤-20.26	PASS
		High	2462	-1.66	-53.33	≤-21.66	PASS
11N20SISO	Ant1	Low	2412	2.44	-41.61	≤-17.56	PASS
		High	2462	-3.00	-53.24	≤-23	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	2.38	2.38	---	PASS
			30~1000	2.38	-68.22	≤-17.62	PASS
			1000~26500	2.38	-33.98	≤-17.62	PASS
		2437	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-68.84	≤-19.26	PASS
			1000~26500	0.74	-40	≤-19.26	PASS
		2462	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-68.98	≤-20.58	PASS
			1000~26500	-0.58	-41.15	≤-20.58	PASS
11G	Ant1	2412	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-68.86	≤-24.34	PASS
			1000~26500	-4.34	-41.99	≤-24.34	PASS
		2437	Reference	-4.14	-4.14	---	PASS
			30~1000	-4.14	-68.88	≤-24.14	PASS
			1000~26500	-4.14	-41.86	≤-24.14	PASS
		2462	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-67.93	≤-23.78	PASS
			1000~26500	-3.78	-40.28	≤-23.78	PASS
11N20SISO	Ant1	2412	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-68.42	≤-25.36	PASS
			1000~26500	-5.36	-42.36	≤-25.36	PASS
		2437	Reference	-5.89	-5.89	---	PASS
			30~1000	-5.89	-69.29	≤-25.89	PASS
			1000~26500	-5.89	-39.72	≤-25.89	PASS
		2462	Reference	-6.19	-6.19	---	PASS
			30~1000	-6.19	-68.83	≤-26.19	PASS
			1000~26500	-6.19	-40.83	≤-26.19	PASS



Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

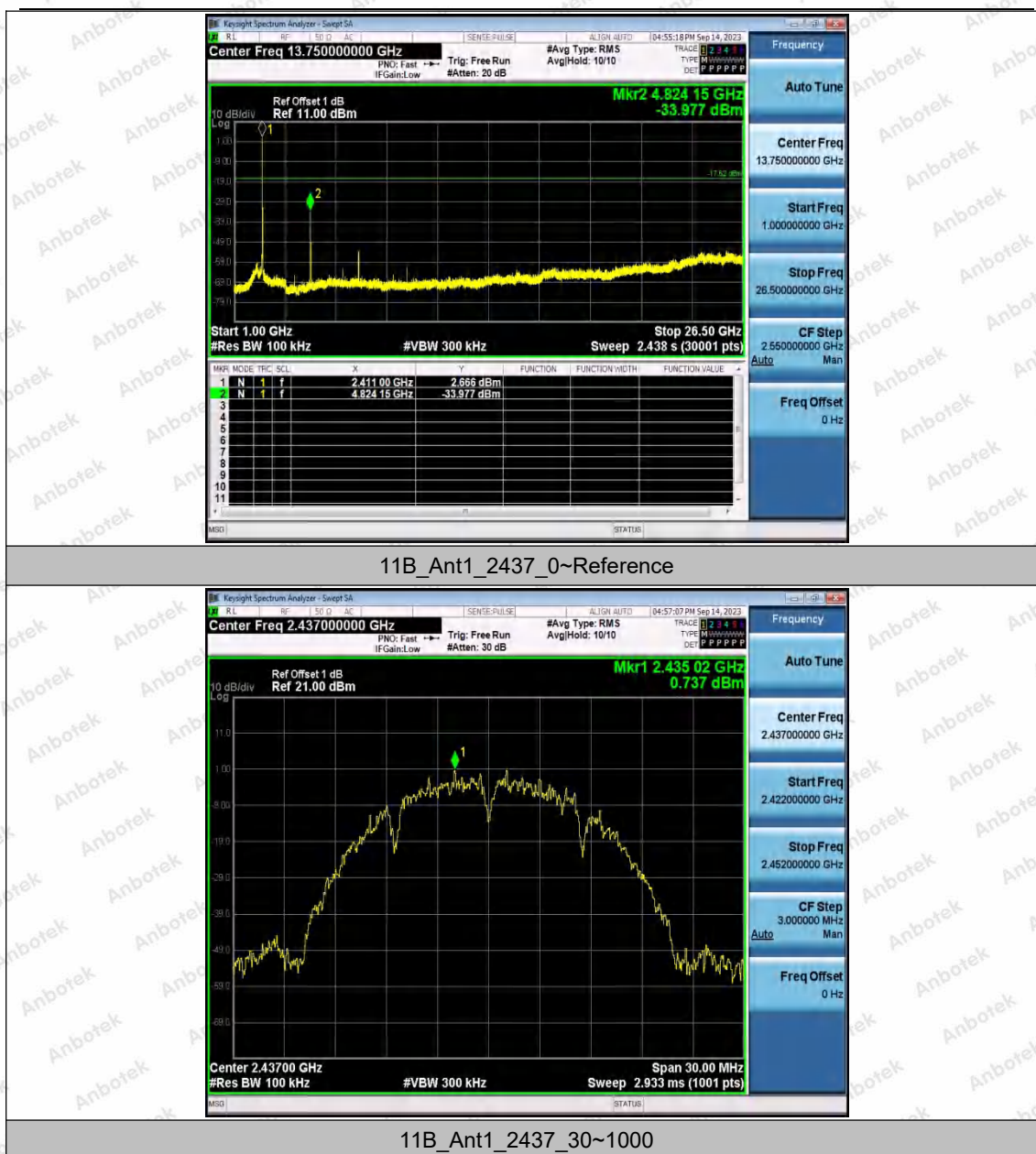
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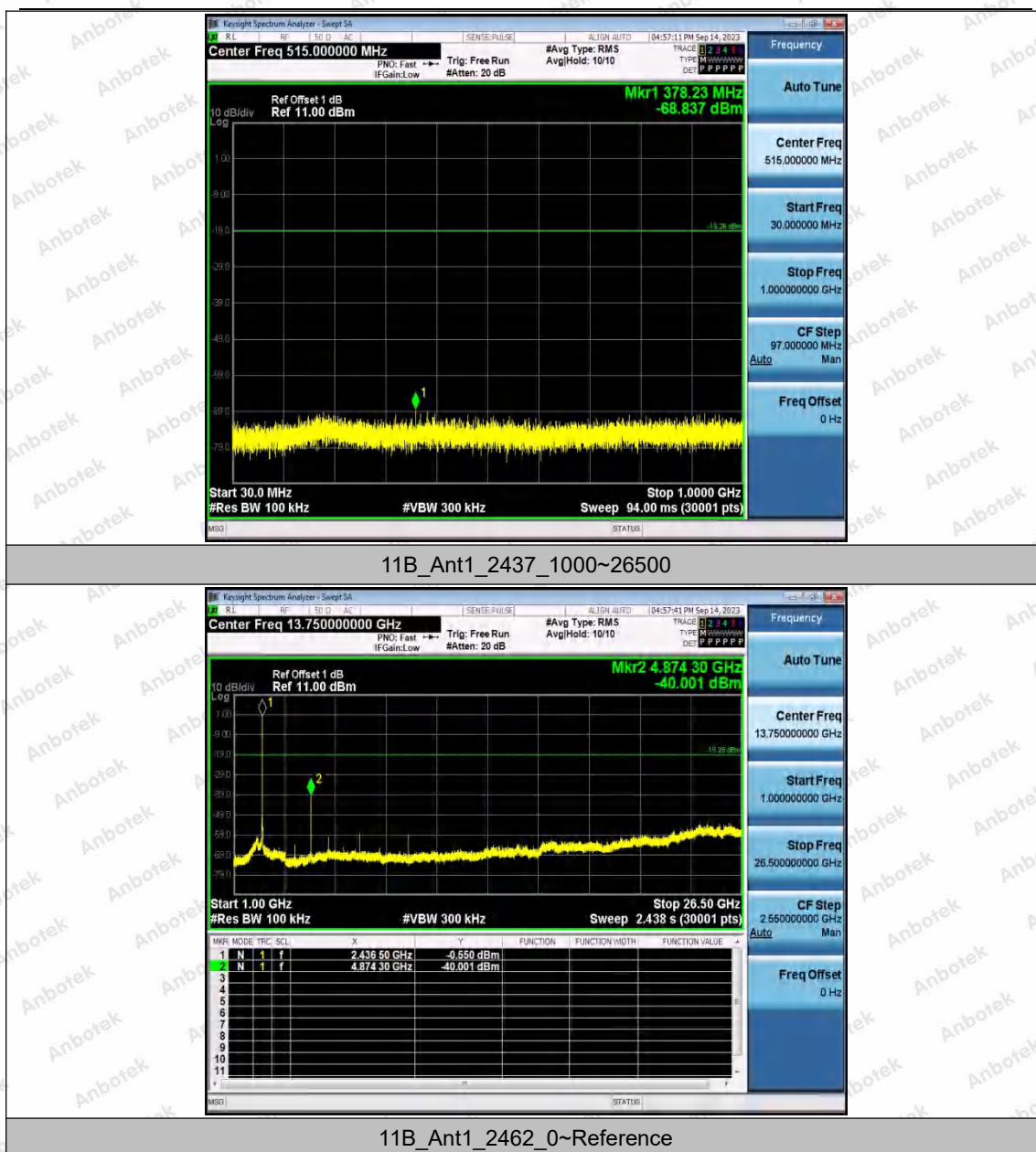
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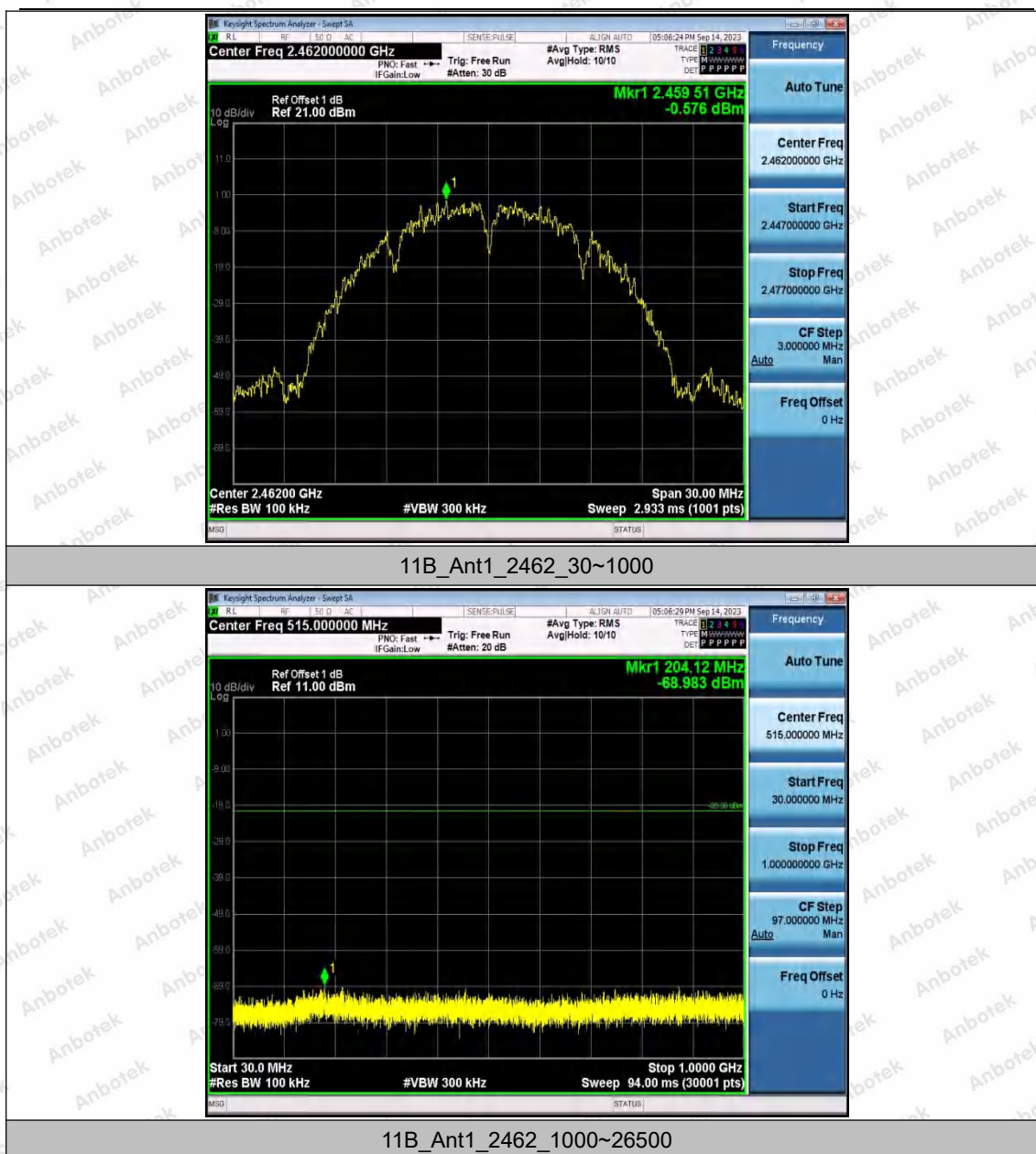
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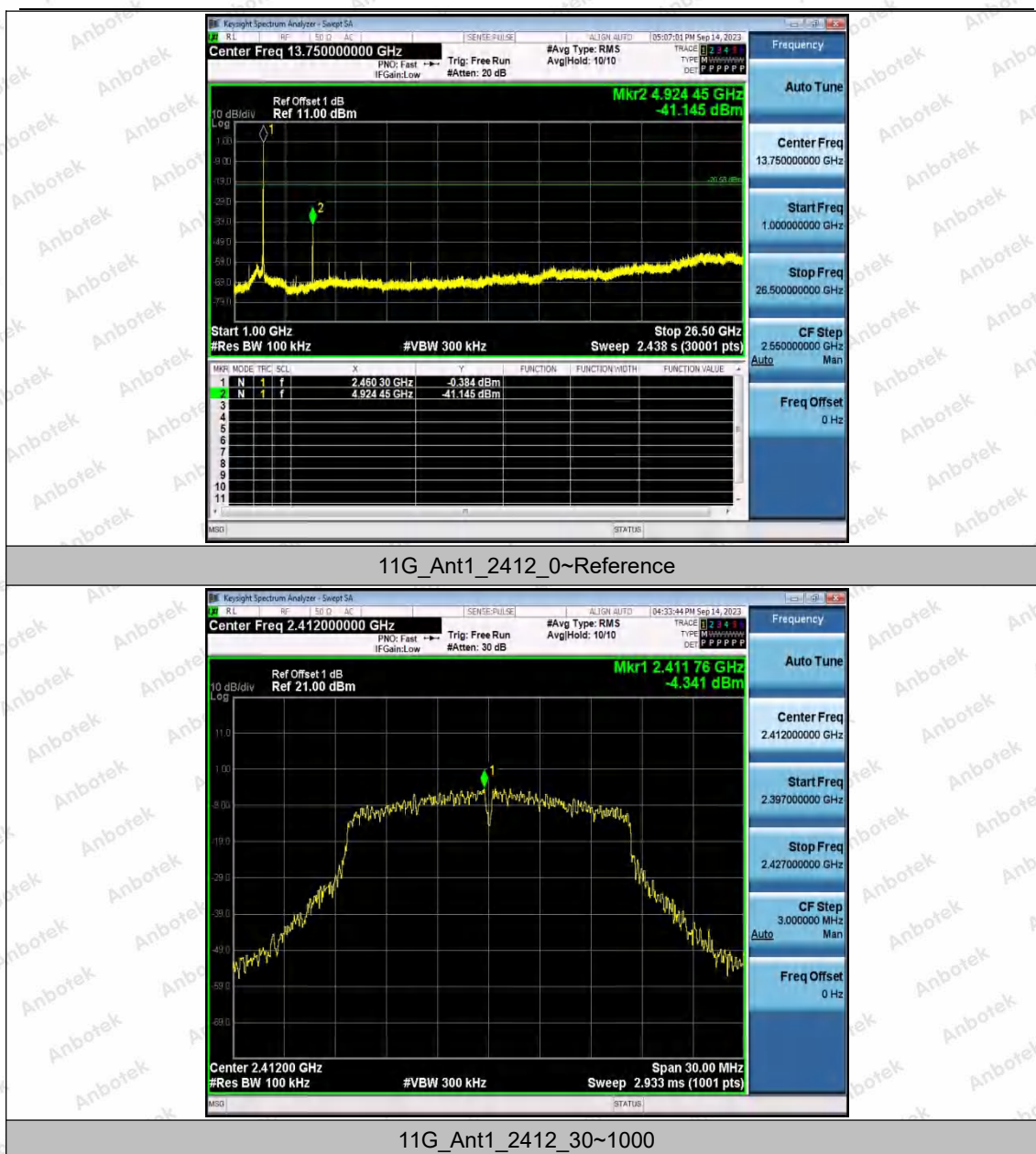
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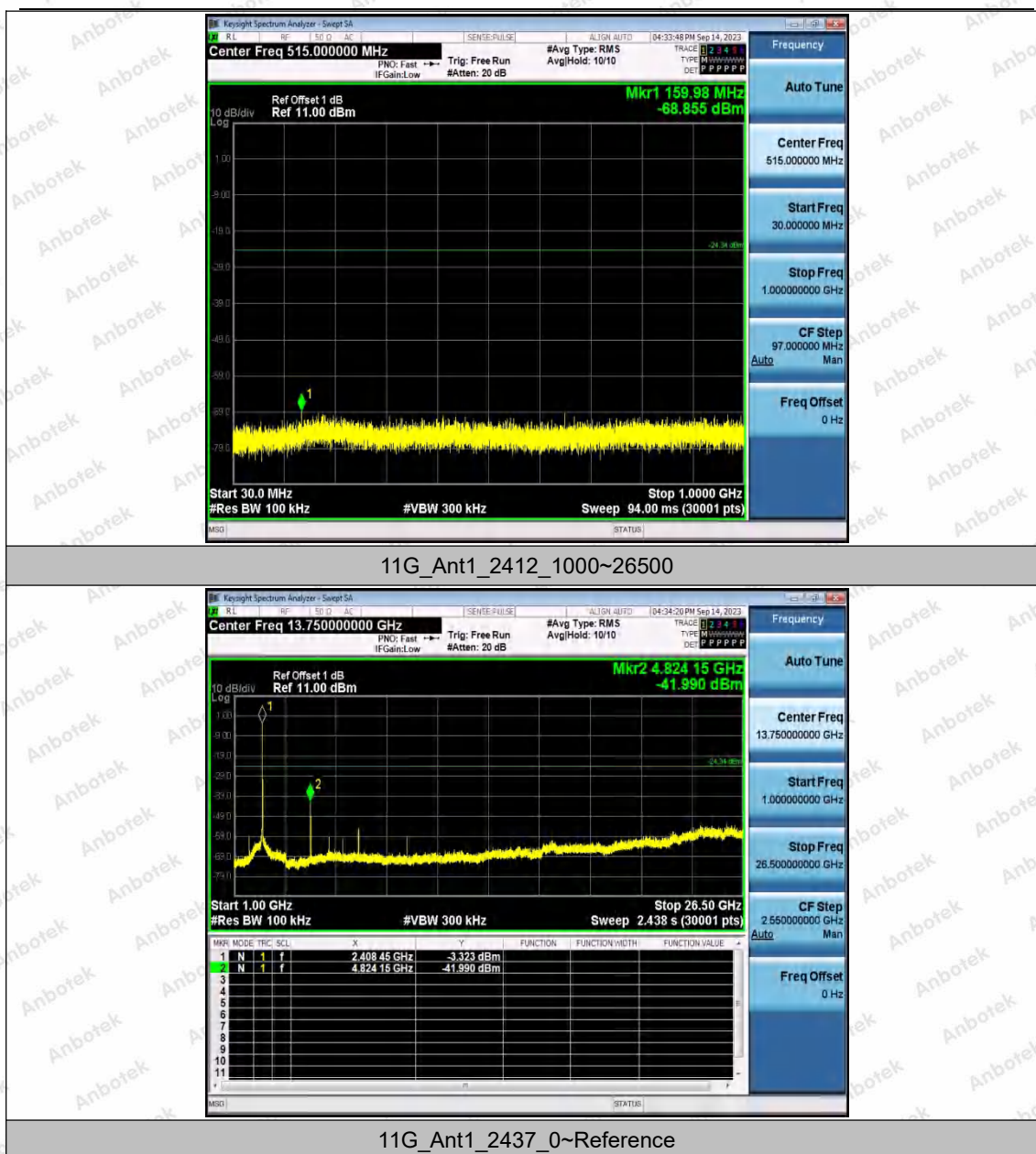
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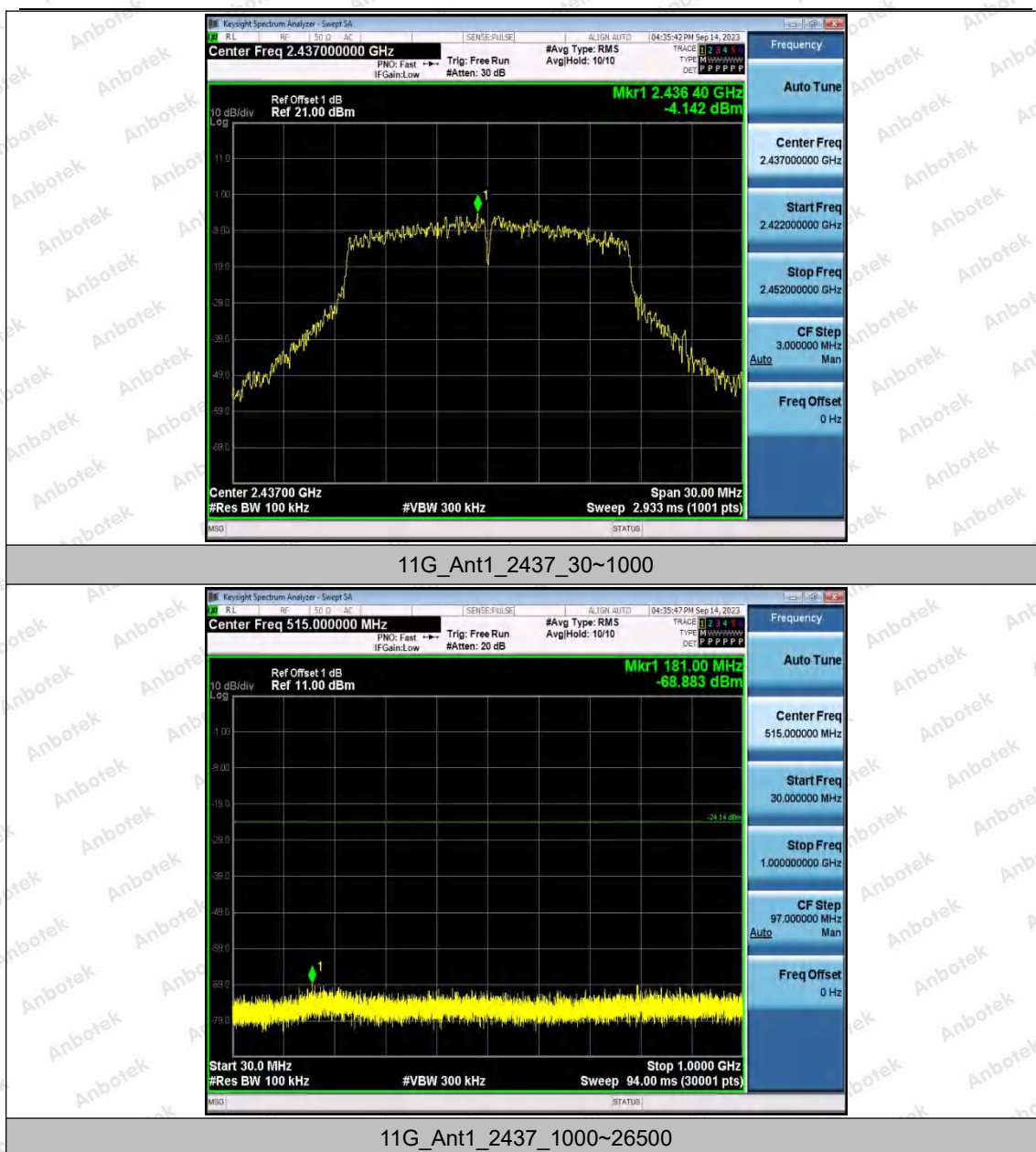
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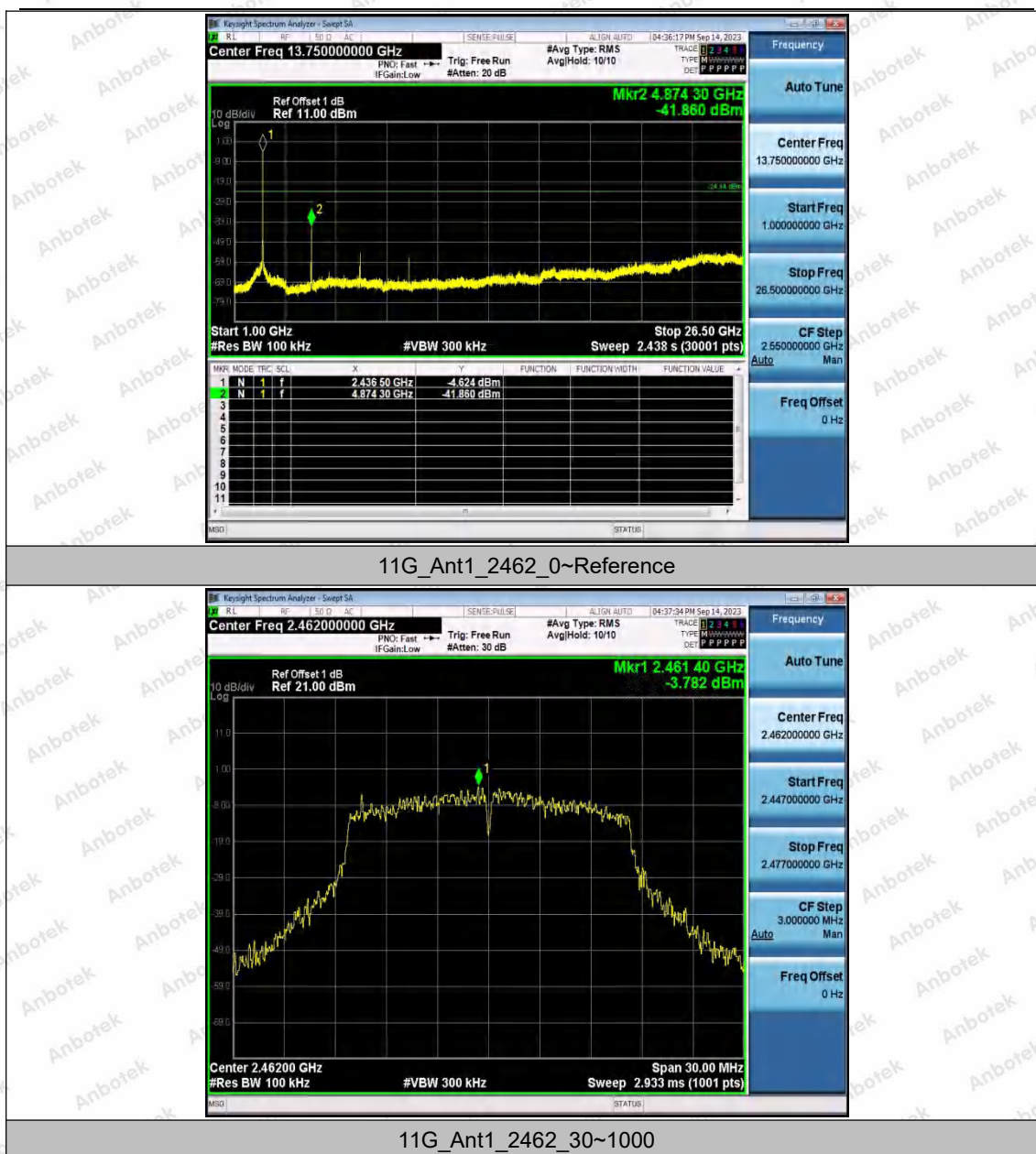
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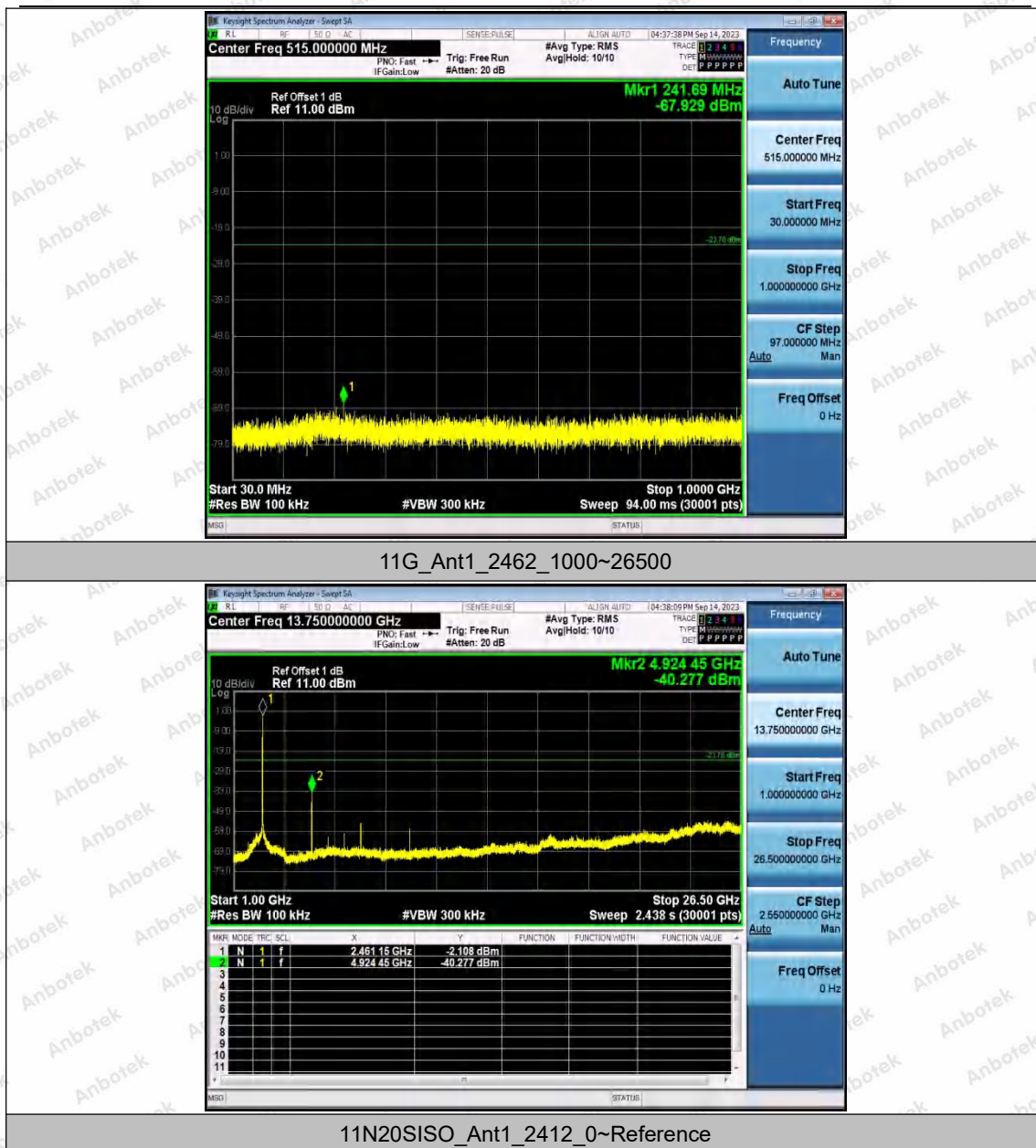
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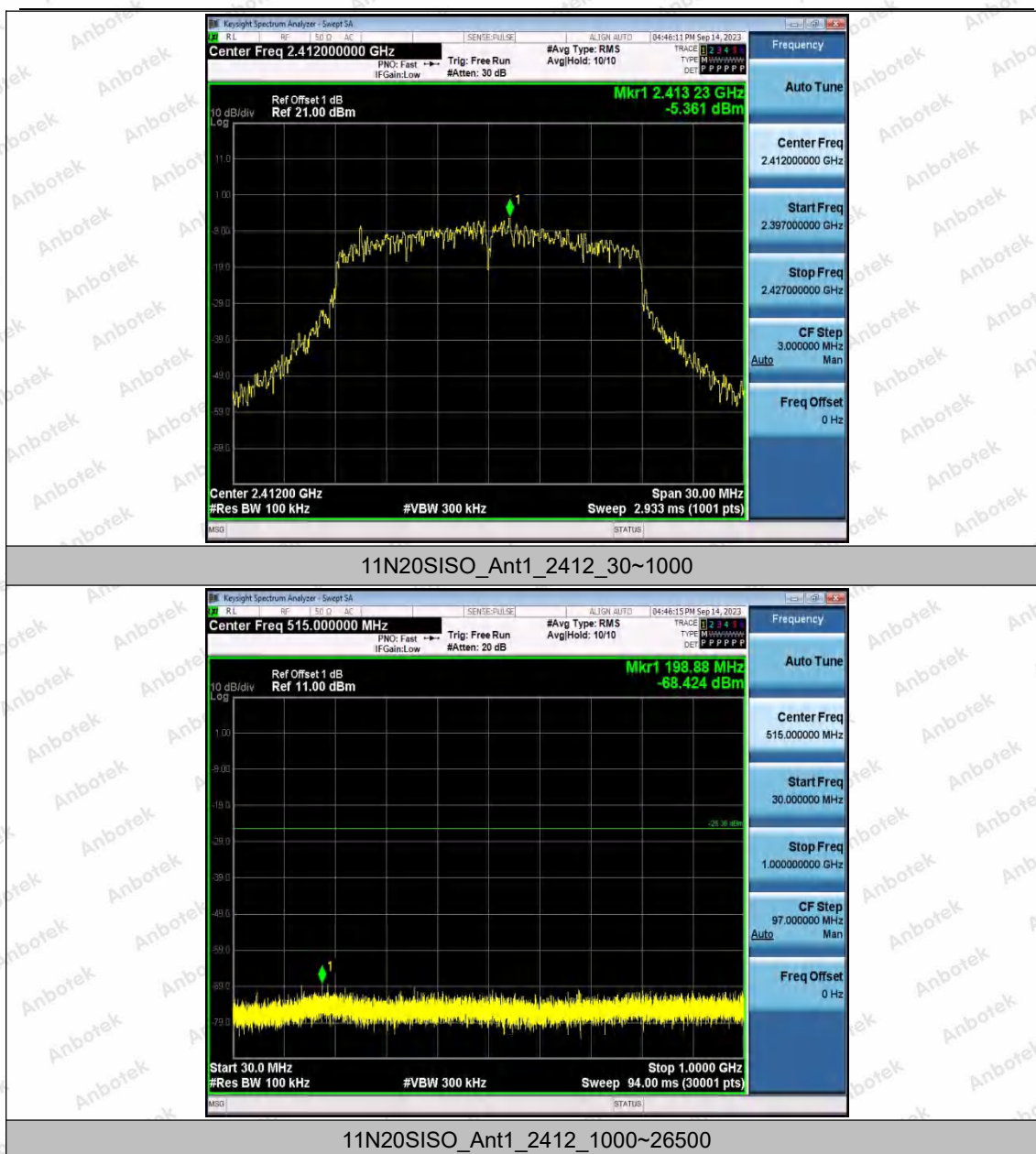


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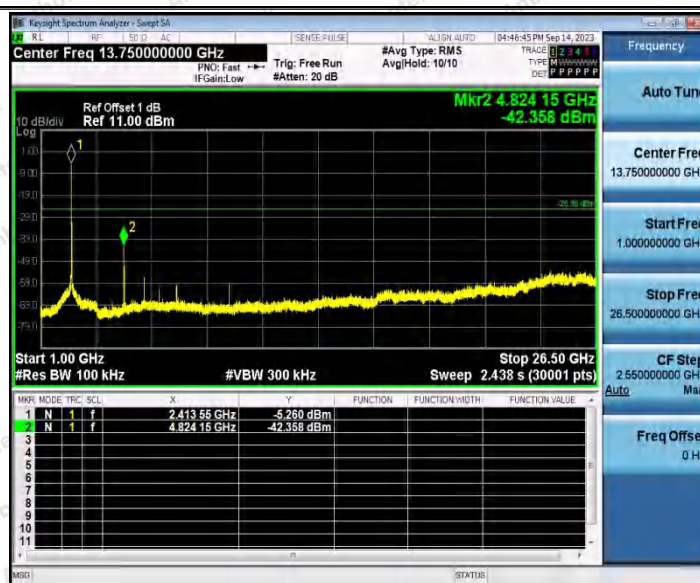
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11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

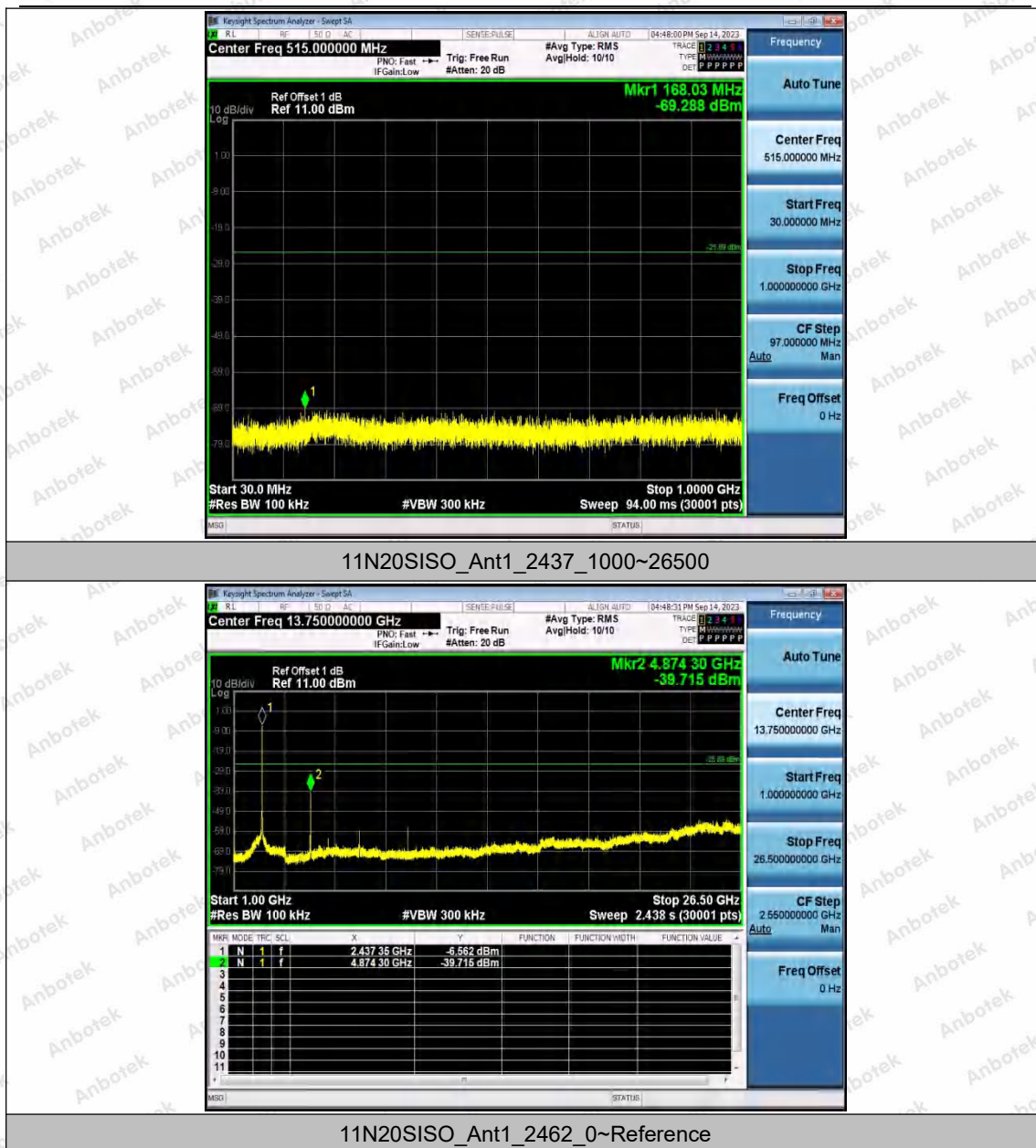
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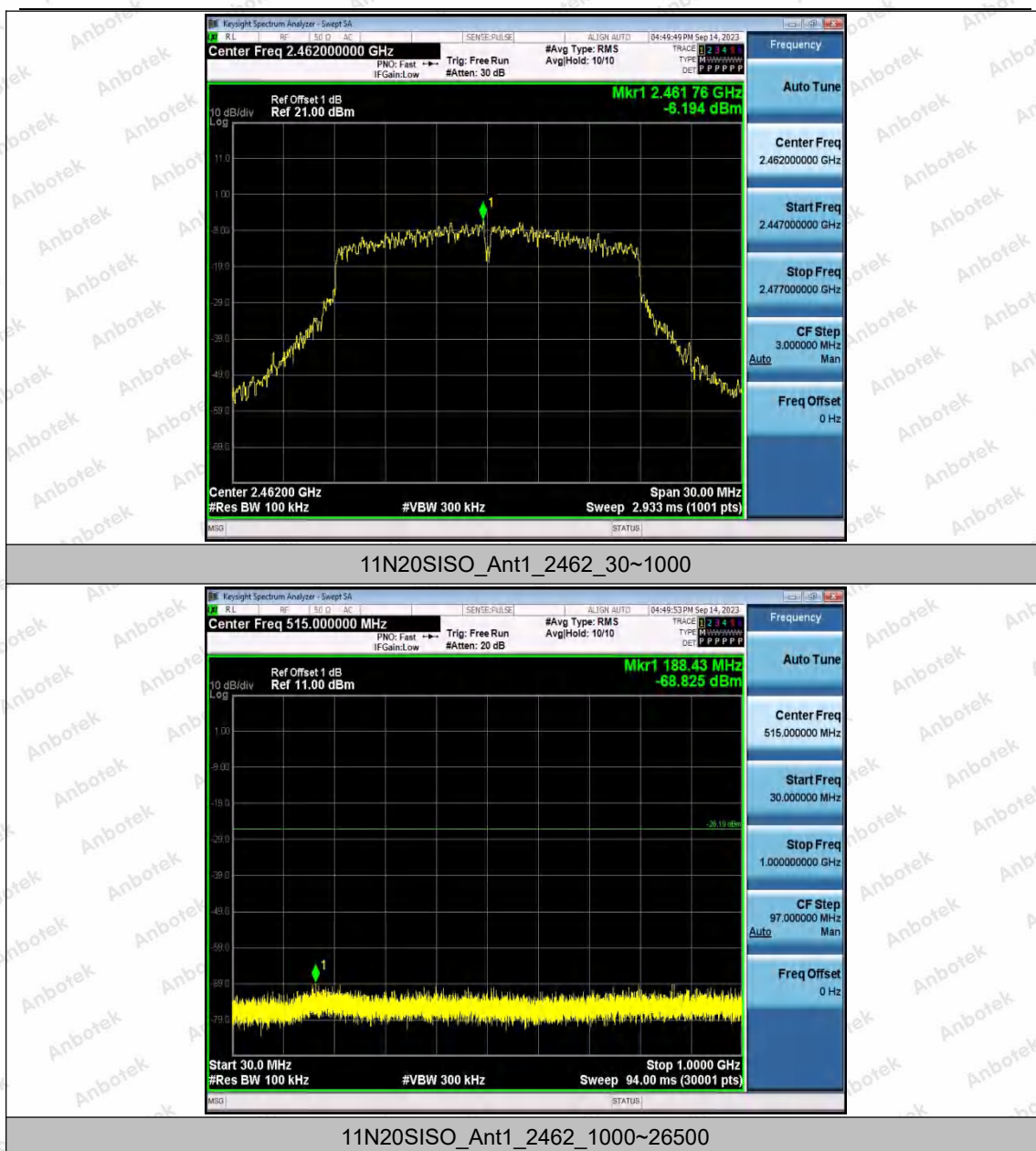
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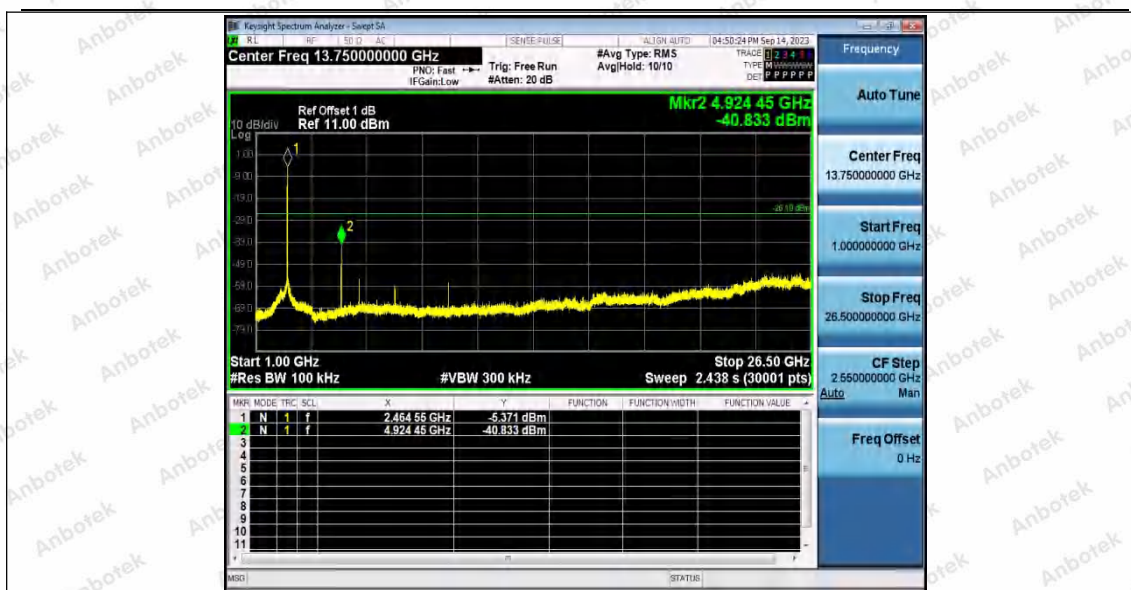
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.46	99.68	0.01
		2437	12.42	12.47	99.60	0.02
		2462	12.42	12.48	99.52	0.02
11G	Ant1	2412	2.06	2.14	96.26	0.17
		2437	2.06	2.14	96.26	0.17
		2462	2.06	2.13	96.71	0.15
11N20SISO	Ant1	2412	1.92	2.02	95.05	0.22
		2437	1.92	2.03	94.58	0.24
		2462	1.92	2.01	95.52	0.20



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

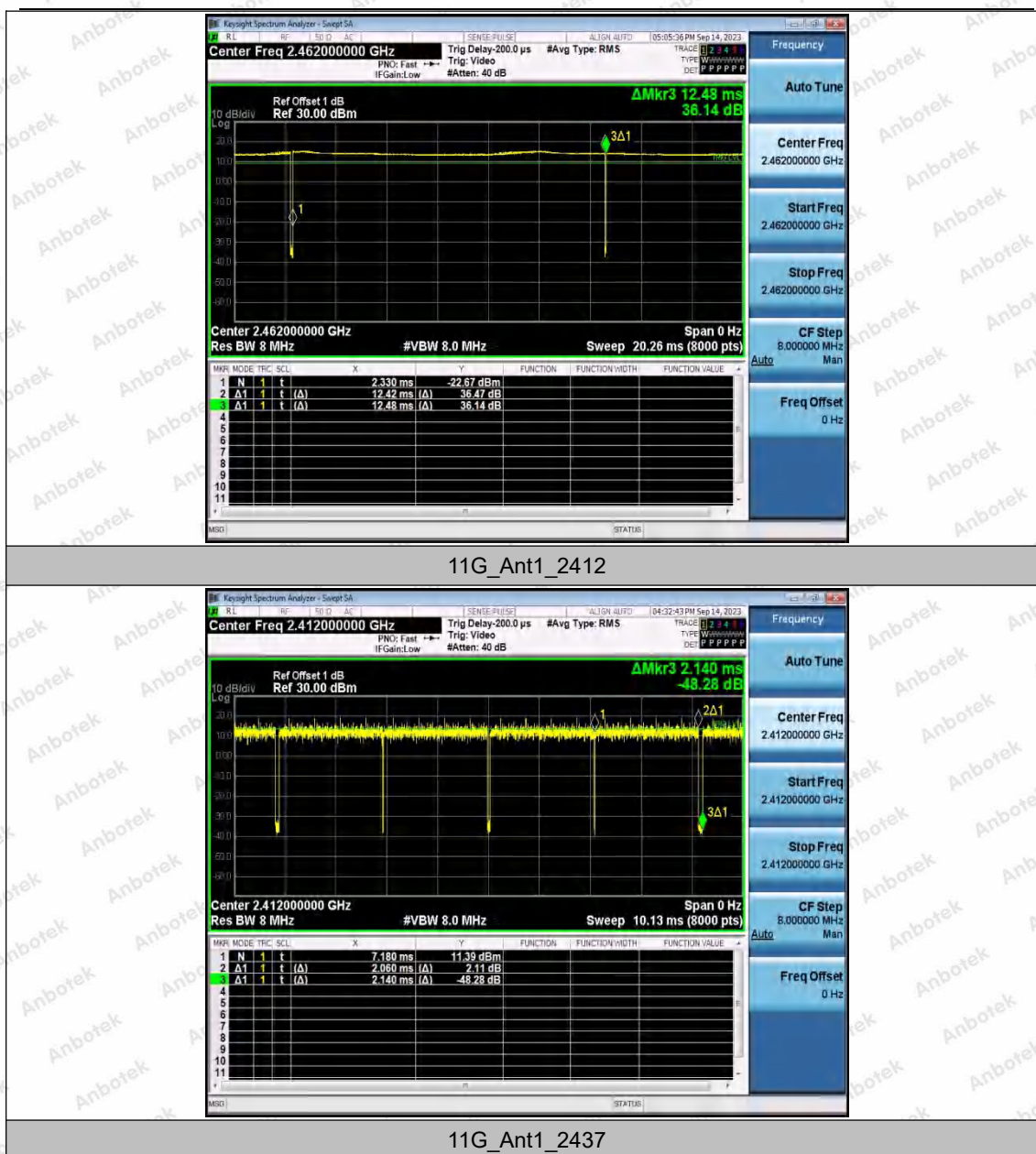
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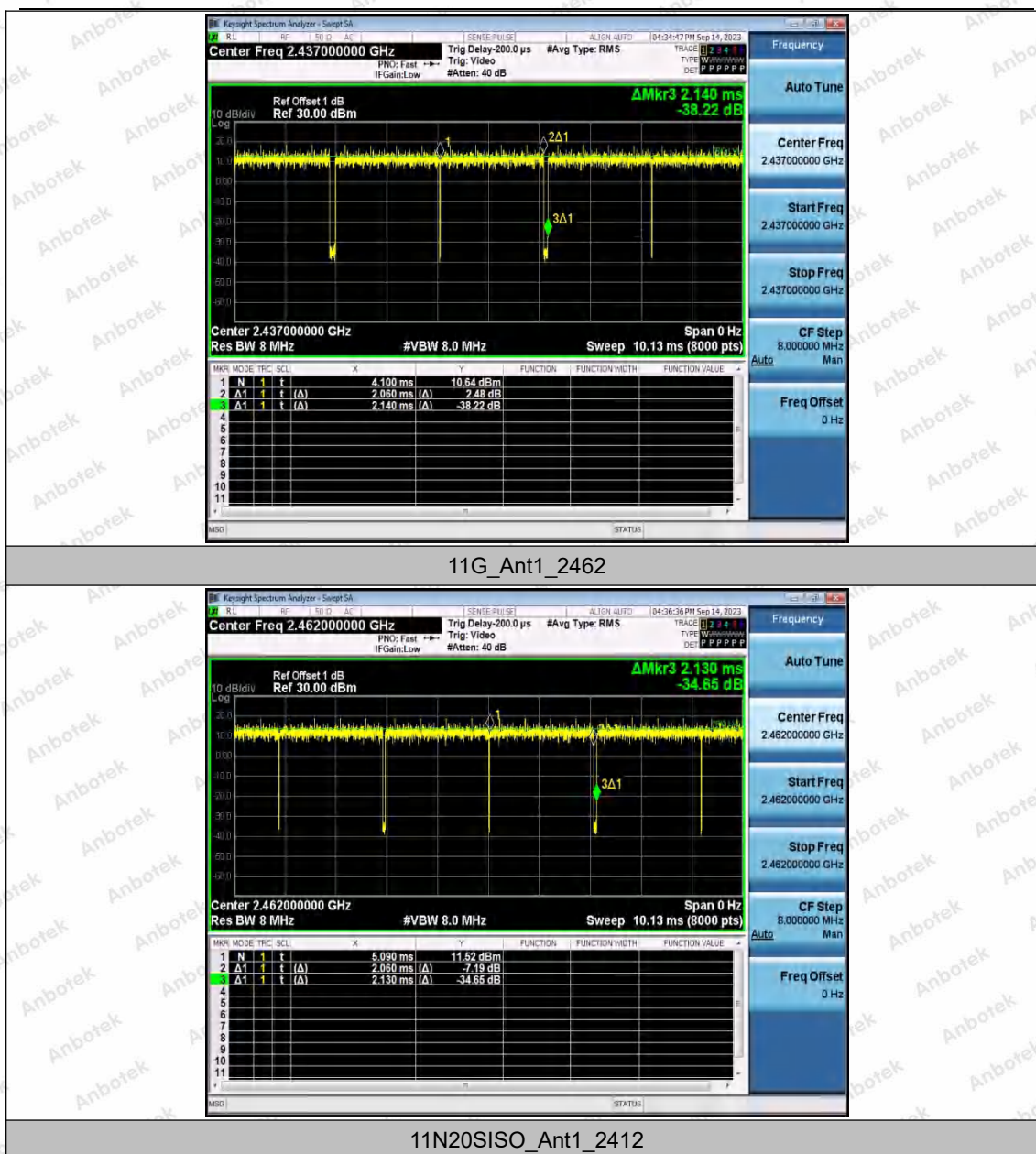
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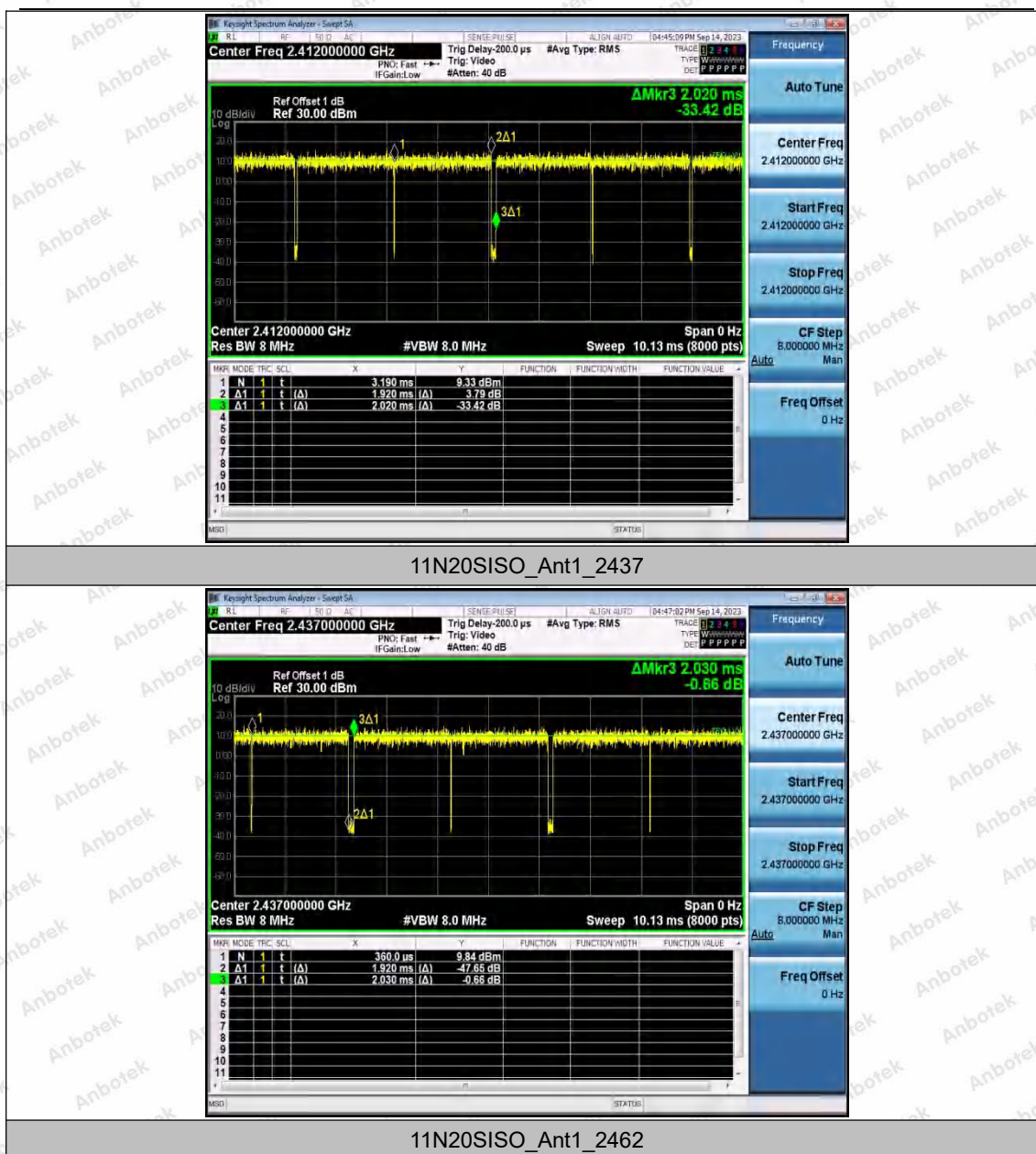
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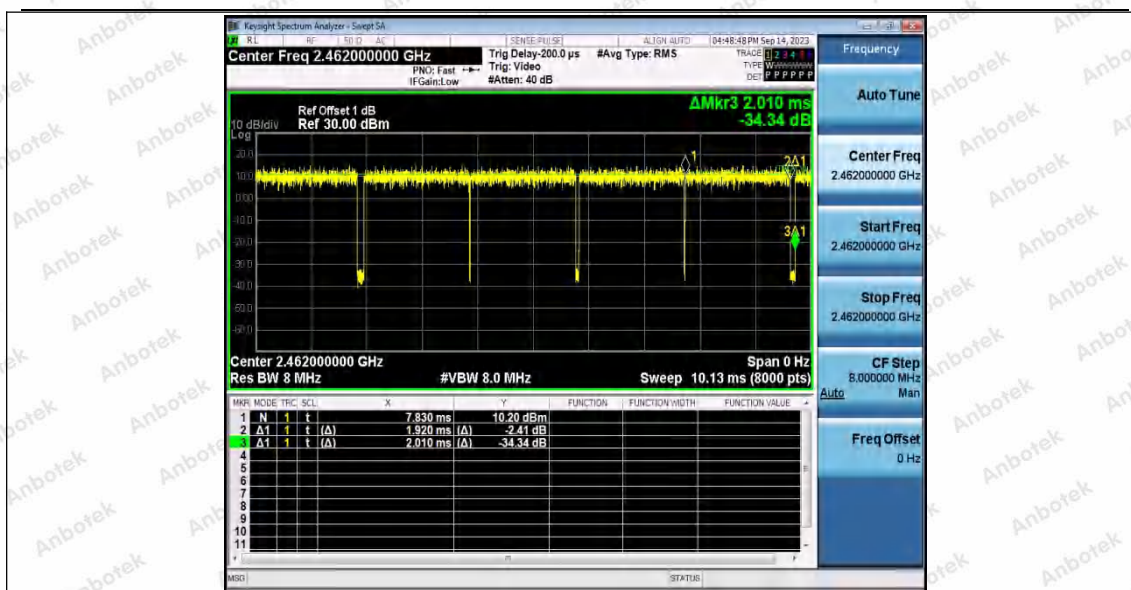
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