

Appendix Test Data

Report No.:	18220WC30164803	Test Sample No.:	1-2-2
Start Test Date:	2023.08.07	Finish Test Date:	2023.08.11
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.5°C	Relative Humidity:	48%
Pressure:	101 kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	≥0.5	PASS
		2437	8.040	2433.000	2441.040	≥0.5	PASS
		2462	8.080	2458.000	2466.080	≥0.5	PASS
11G	Ant1	2412	13.720	2404.200	2417.920	≥0.5	PASS
		2437	15.040	2429.440	2444.480	≥0.5	PASS
		2462	11.400	2455.680	2467.080	≥0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	≥0.5	PASS
		2437	13.880	2430.680	2444.560	≥0.5	PASS
		2462	15.560	2454.600	2470.160	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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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	11.512	2406.3238	2417.8358	---	---
		2437	11.519	2431.3370	2442.8560	---	---
		2462	11.611	2456.2735	2467.8845	---	---
11G	Ant1	2412	16.902	2403.5625	2420.4645	---	---
		2437	16.941	2428.5891	2445.5301	---	---
		2462	16.729	2453.6810	2470.4100	---	---
11N20SISO	Ant1	2412	17.903	2403.0637	2420.9667	---	---
		2437	17.763	2428.1751	2445.9381	---	---
		2462	17.980	2453.0377	2471.0177	---	---







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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	18.03	≤30.00
		2437	17.77	≤30.00
		2462	17.63	≤30.00
11G	Ant1	2412	17.35	≤30.00
		2437	17.20	≤30.00
		2462	17.15	≤30.00
11N20SISO	Ant1	2412	18.25	≤30.00
		2437	18.33	≤30.00
		2462	18.18	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.76	≤8.00	PASS
		2437	-7.07	≤8.00	PASS
		2462	-7.61	≤8.00	PASS
11G	Ant1	2412	-12.57	≤8.00	PASS
		2437	-13.13	≤8.00	PASS
		2462	-12.45	≤8.00	PASS
11N20SISO	Ant1	2412	-12.33	≤8.00	PASS
		2437	-11.83	≤8.00	PASS
		2462	-12.51	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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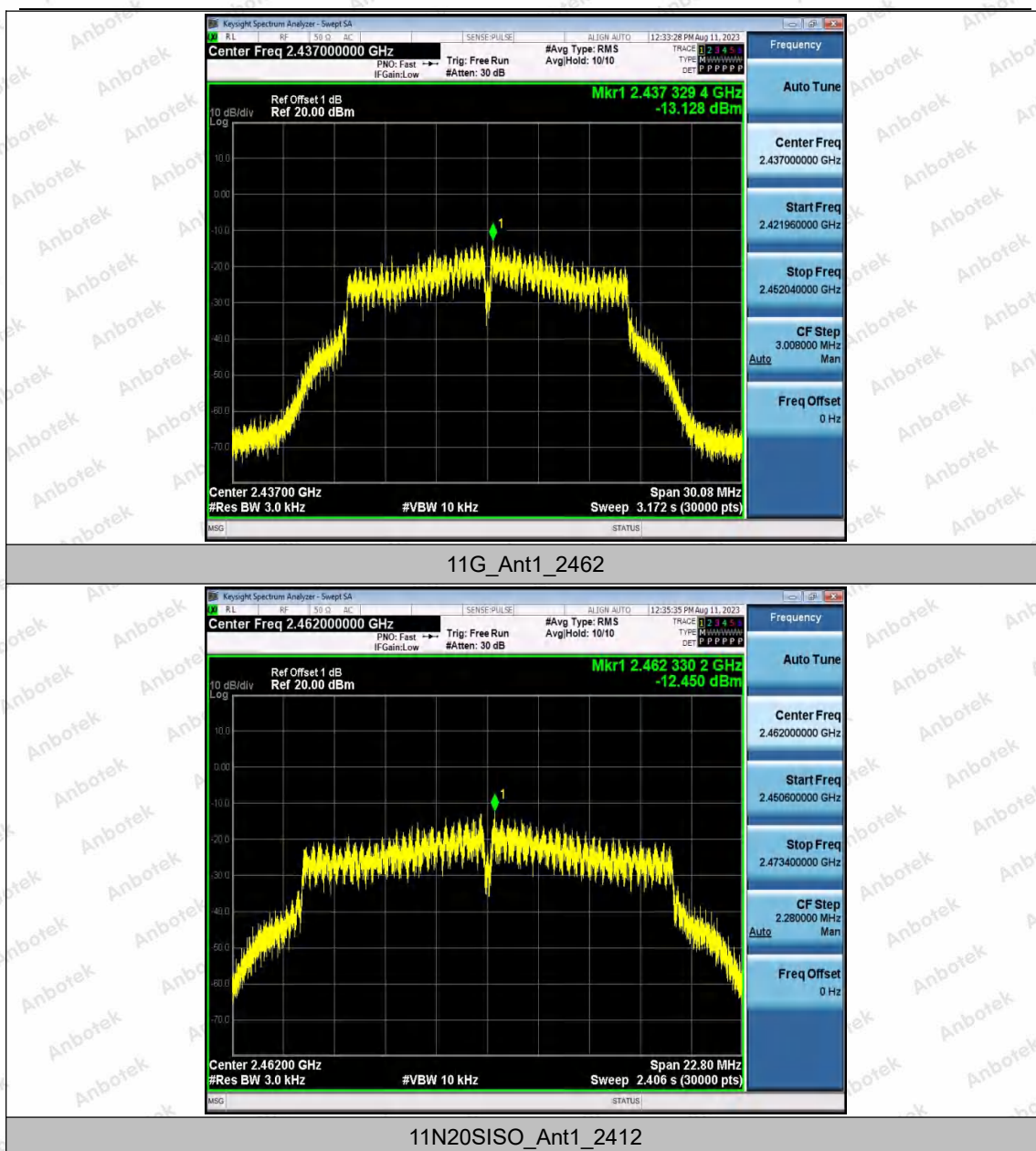
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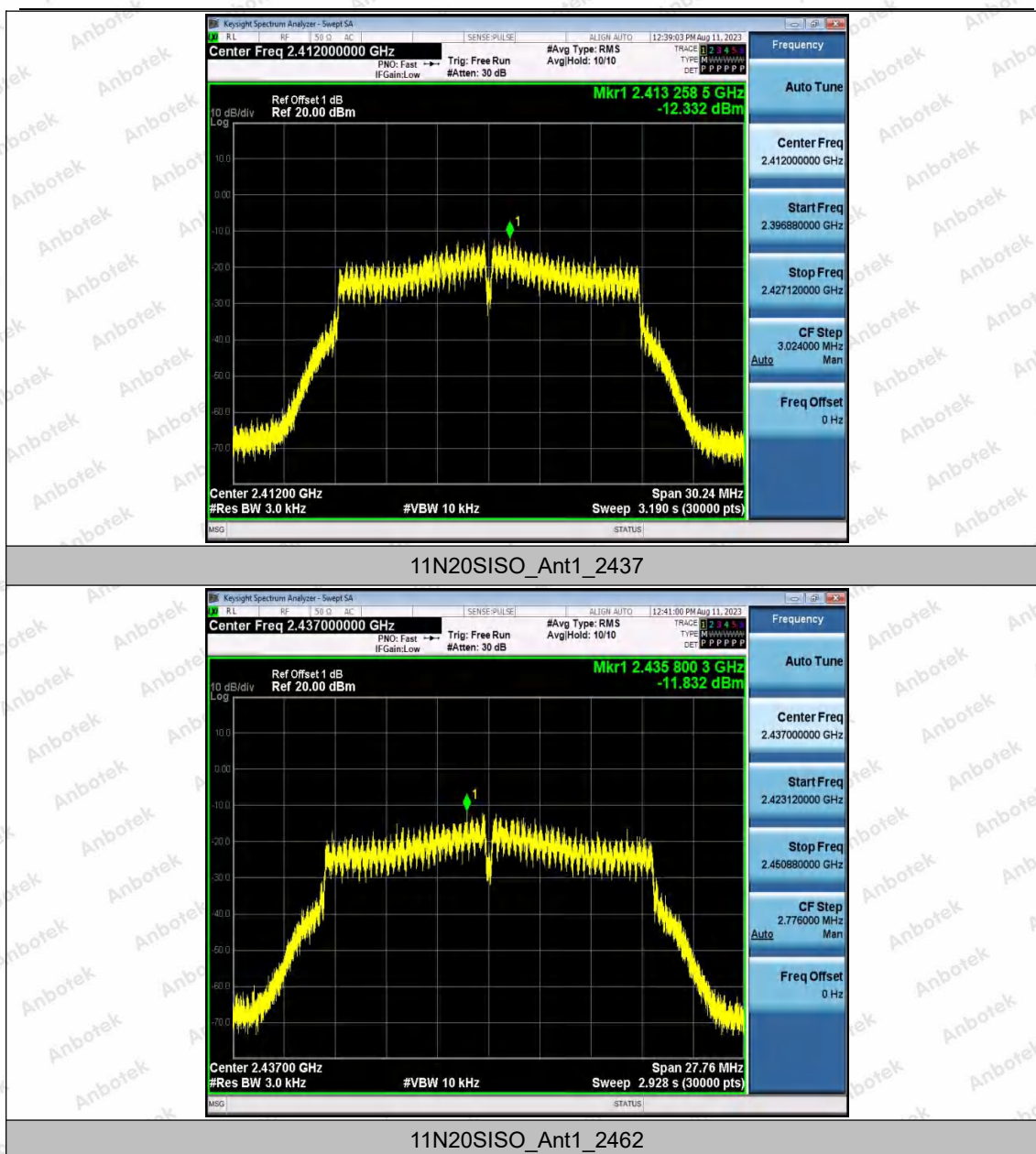
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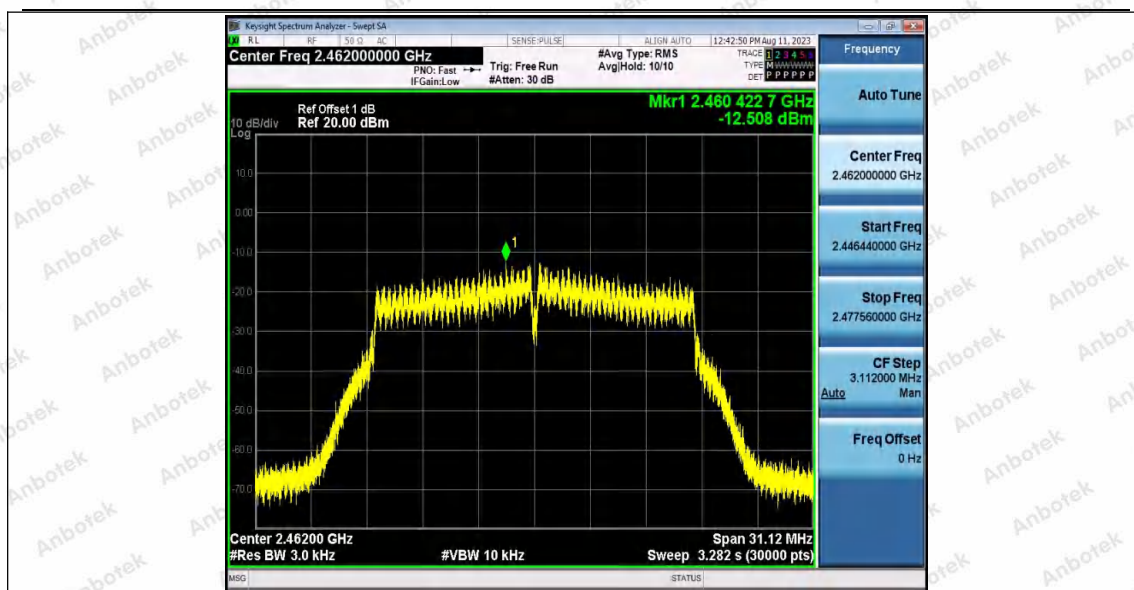
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Appendix E: Band edge measurements

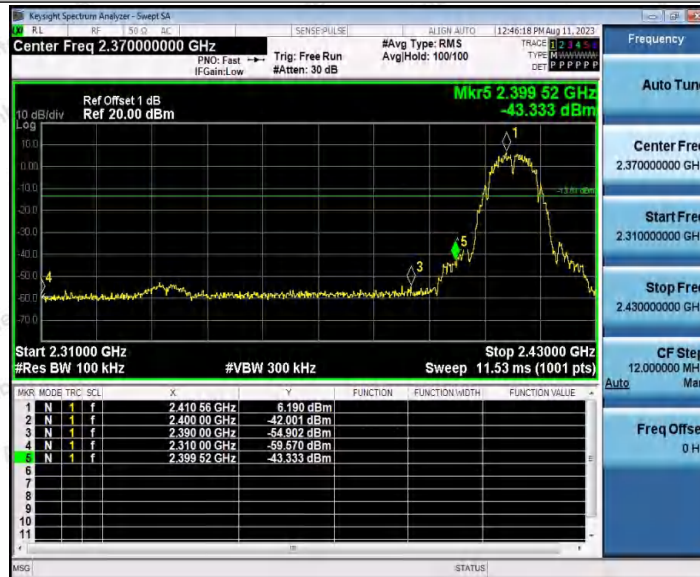
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.19	-43.33	≤-13.81	PASS
		High	2462	6.11	-56.19	≤-13.89	PASS
11G	Ant1	Low	2412	-1.31	-44.45	≤-21.31	PASS
		High	2462	-1.84	-53.16	≤-21.84	PASS
11N20SISO	Ant1	Low	2412	-0.54	-42.35	≤-20.54	PASS
		High	2462	-0.24	-53.75	≤-20.24	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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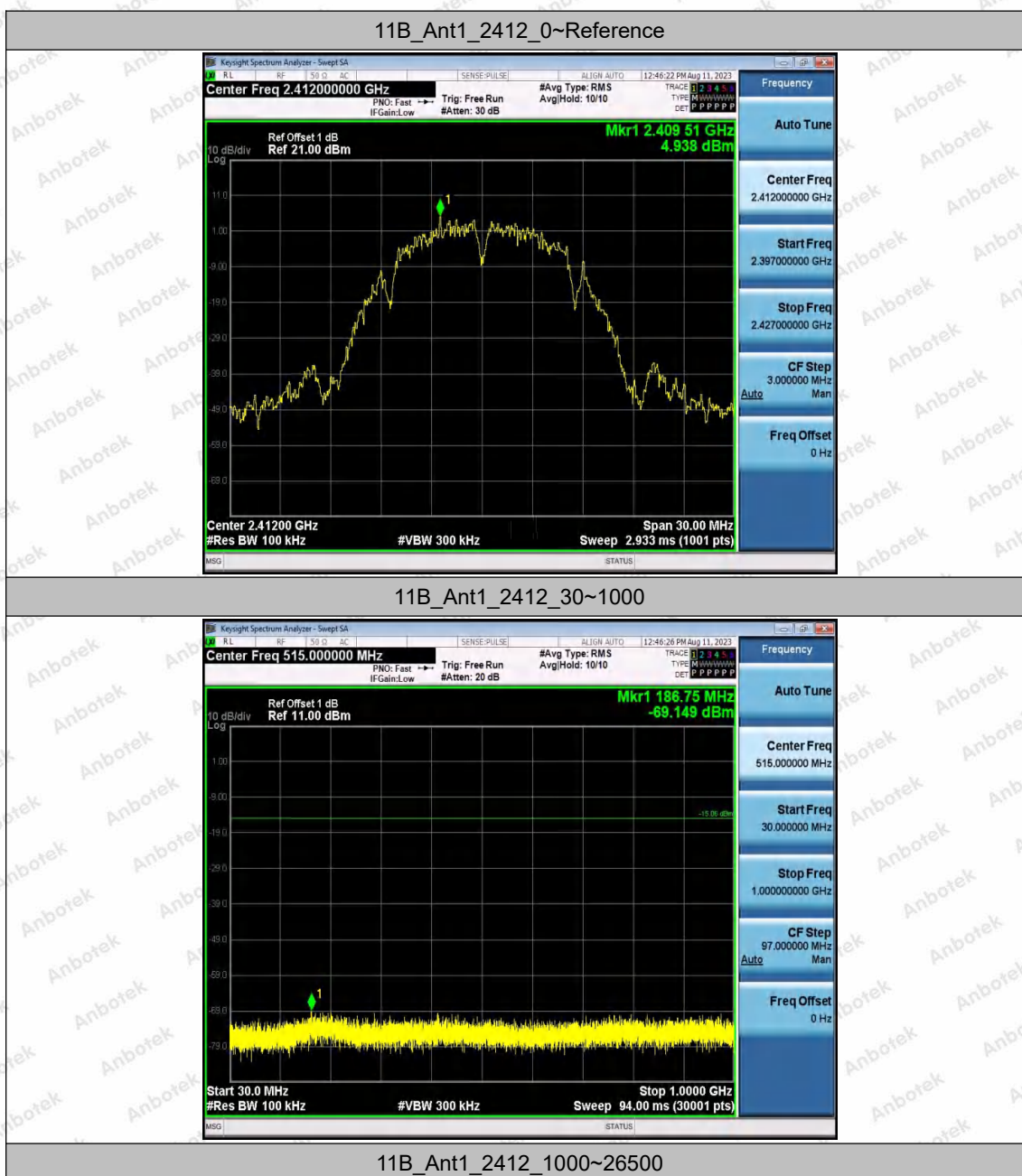
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.94	4.94	---	PASS
			30~1000	4.94	-69.15	≤-15.06	PASS
			1000~26500	4.94	-53.4	≤-15.06	PASS
		2437	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-68.94	≤-15.13	PASS
			1000~26500	4.87	-53.48	≤-15.13	PASS
		2462	Reference	5.43	5.43	---	PASS
			30~1000	5.43	-68.55	≤-14.57	PASS
			1000~26500	5.43	-53.63	≤-14.57	PASS
11G	Ant1	2412	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-69	≤-21.88	PASS
			1000~26500	-1.88	-53.76	≤-21.88	PASS
		2437	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-68.88	≤-21.52	PASS
			1000~26500	-1.52	-53.45	≤-21.52	PASS
		2462	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-69.45	≤-22.15	PASS
			1000~26500	-2.15	-52.06	≤-22.15	PASS
11N20SISO	Ant1	2412	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-69.1	≤-21.5	PASS
			1000~26500	-1.50	-52.93	≤-21.5	PASS
		2437	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-69.12	≤-21.03	PASS
			1000~26500	-1.03	-53.12	≤-21.03	PASS
		2462	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-67.63	≤-20.03	PASS
			1000~26500	-0.03	-52.64	≤-20.03	PASS



Test Graphs



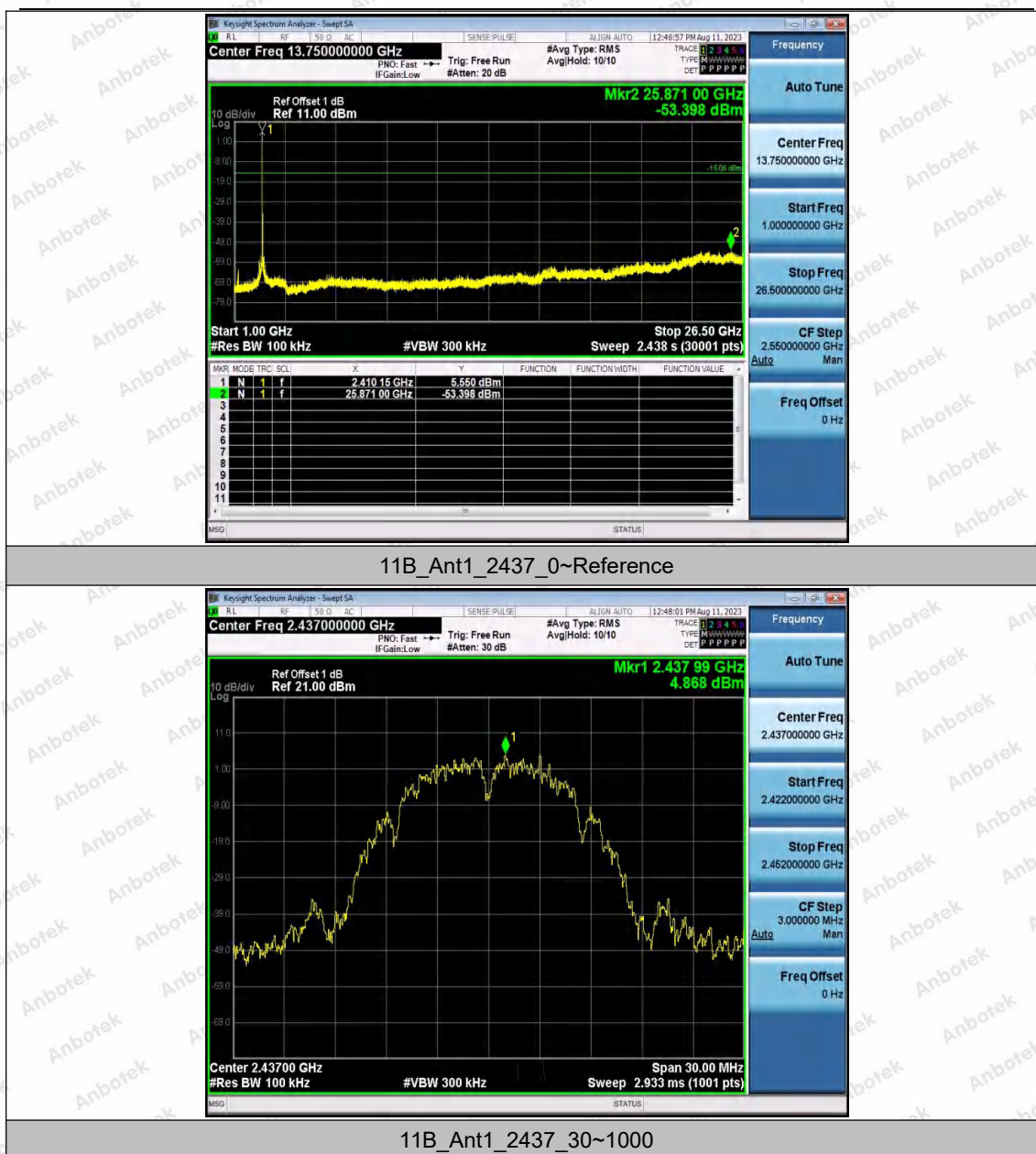
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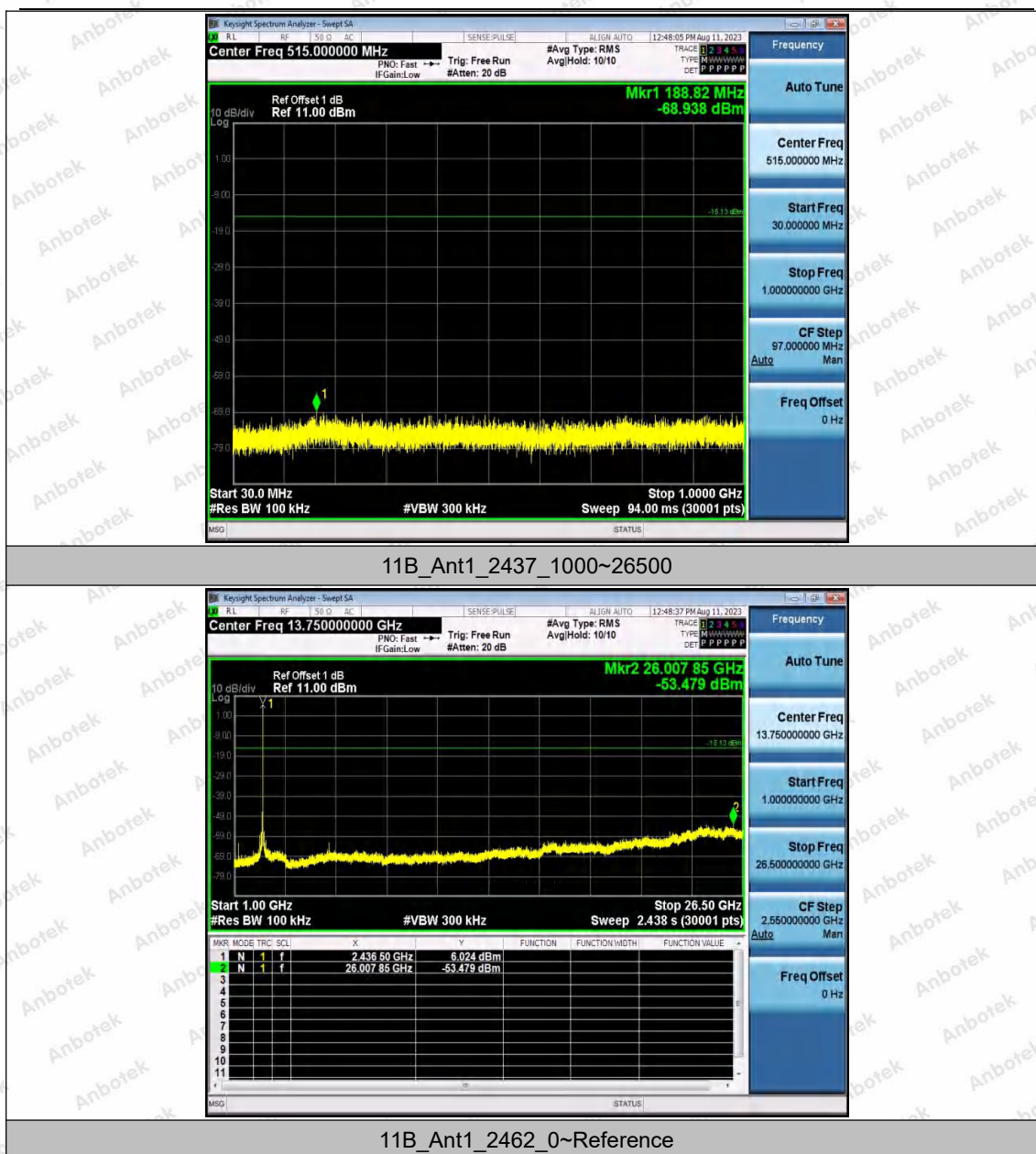
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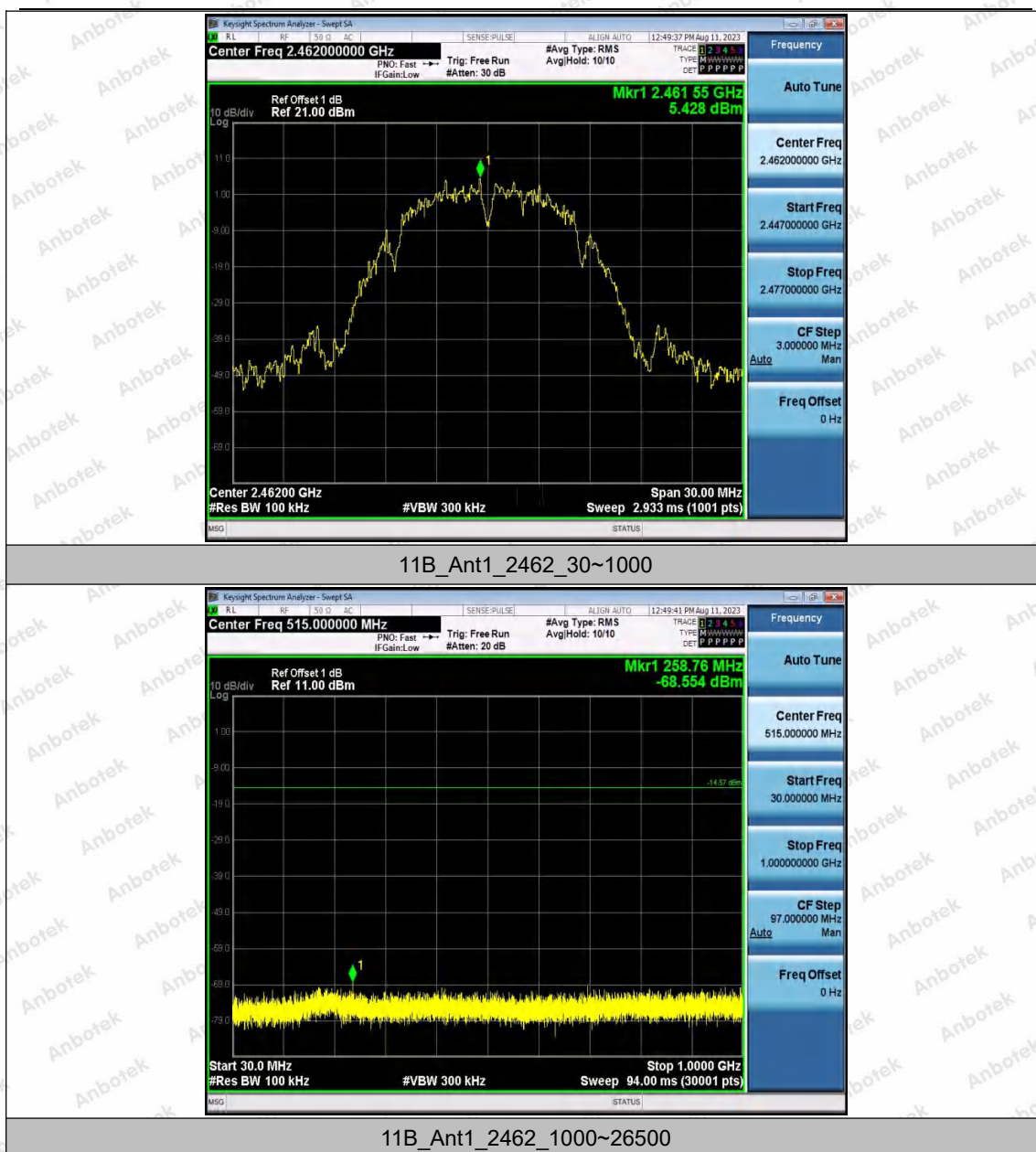
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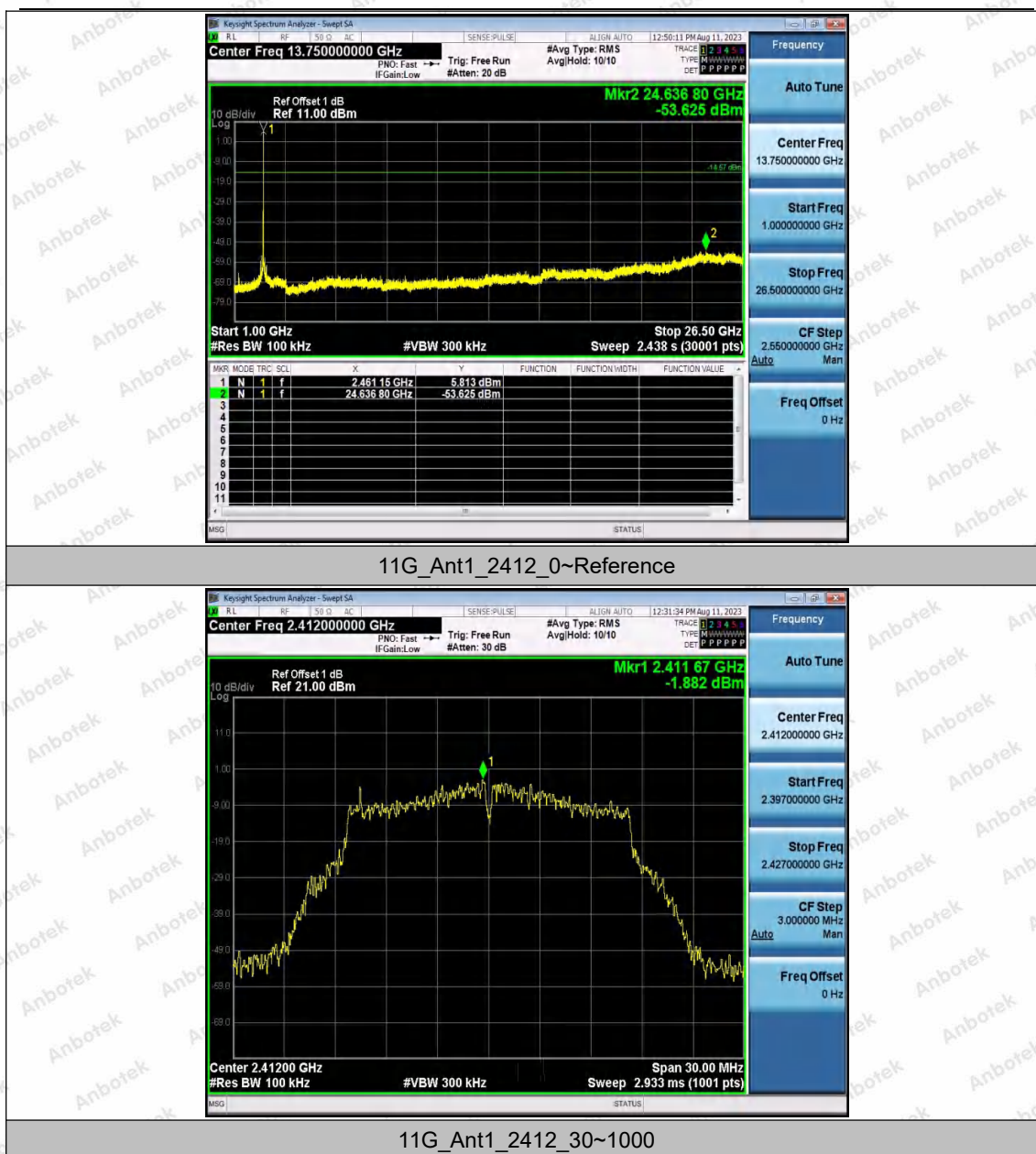
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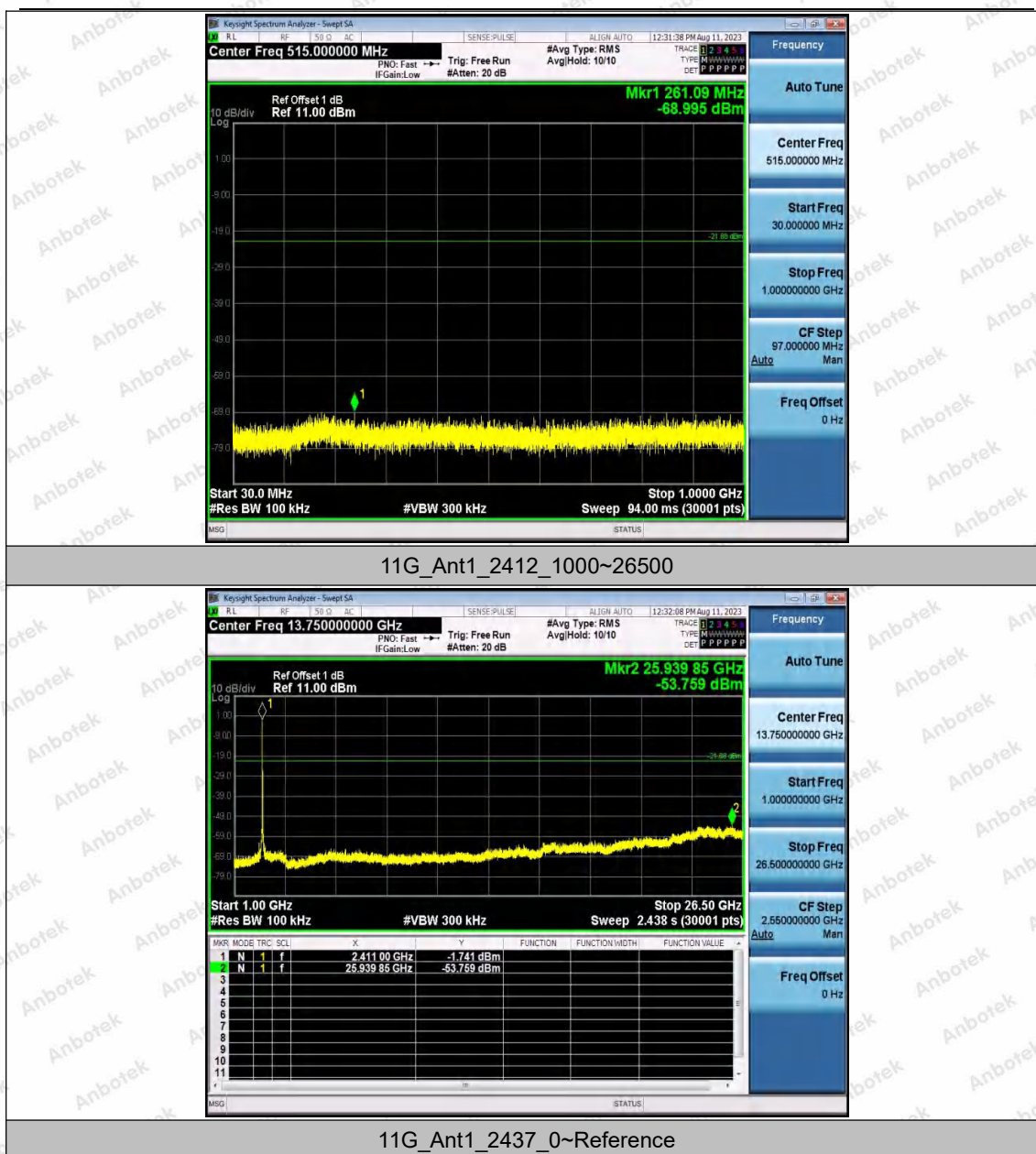
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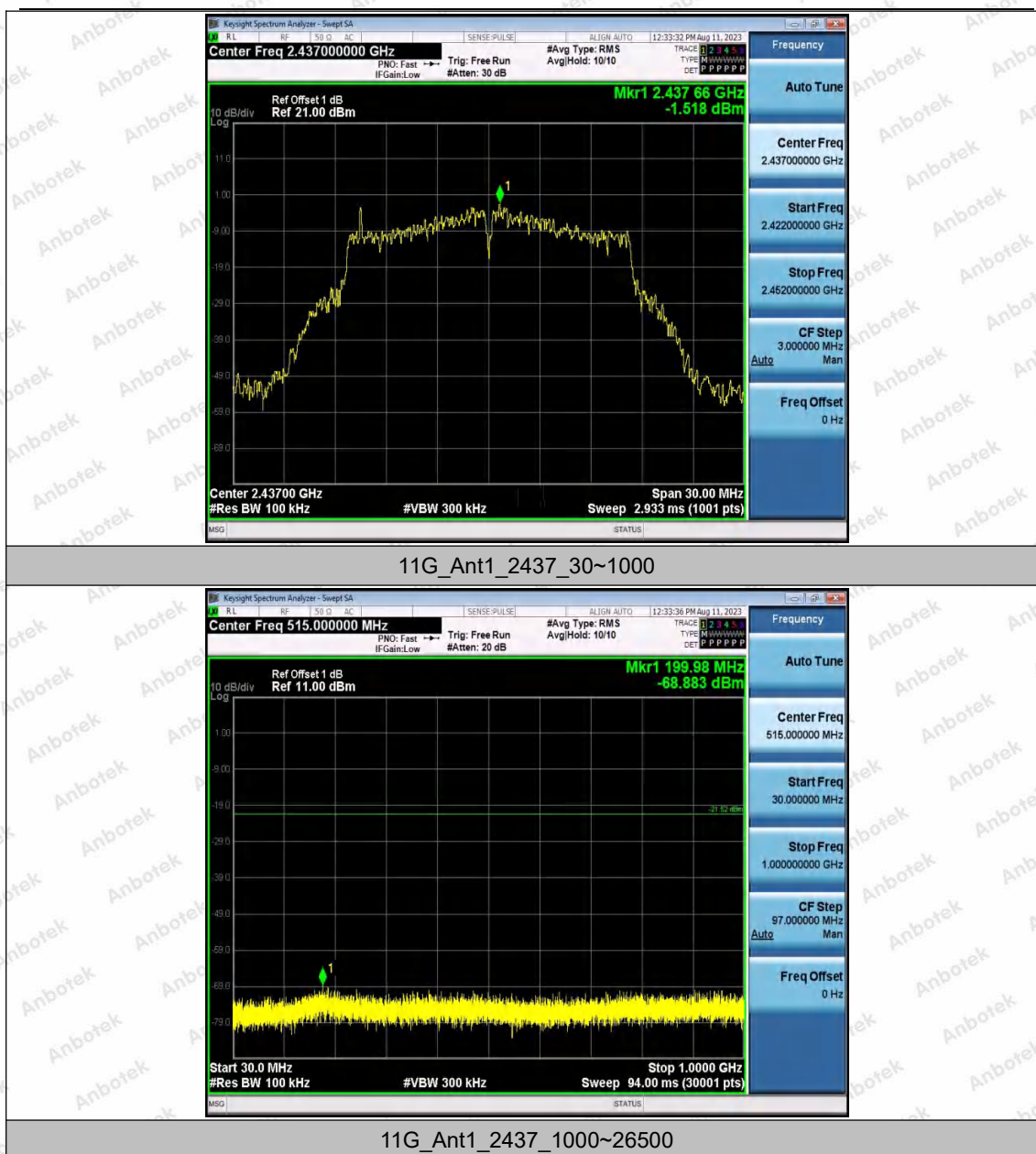
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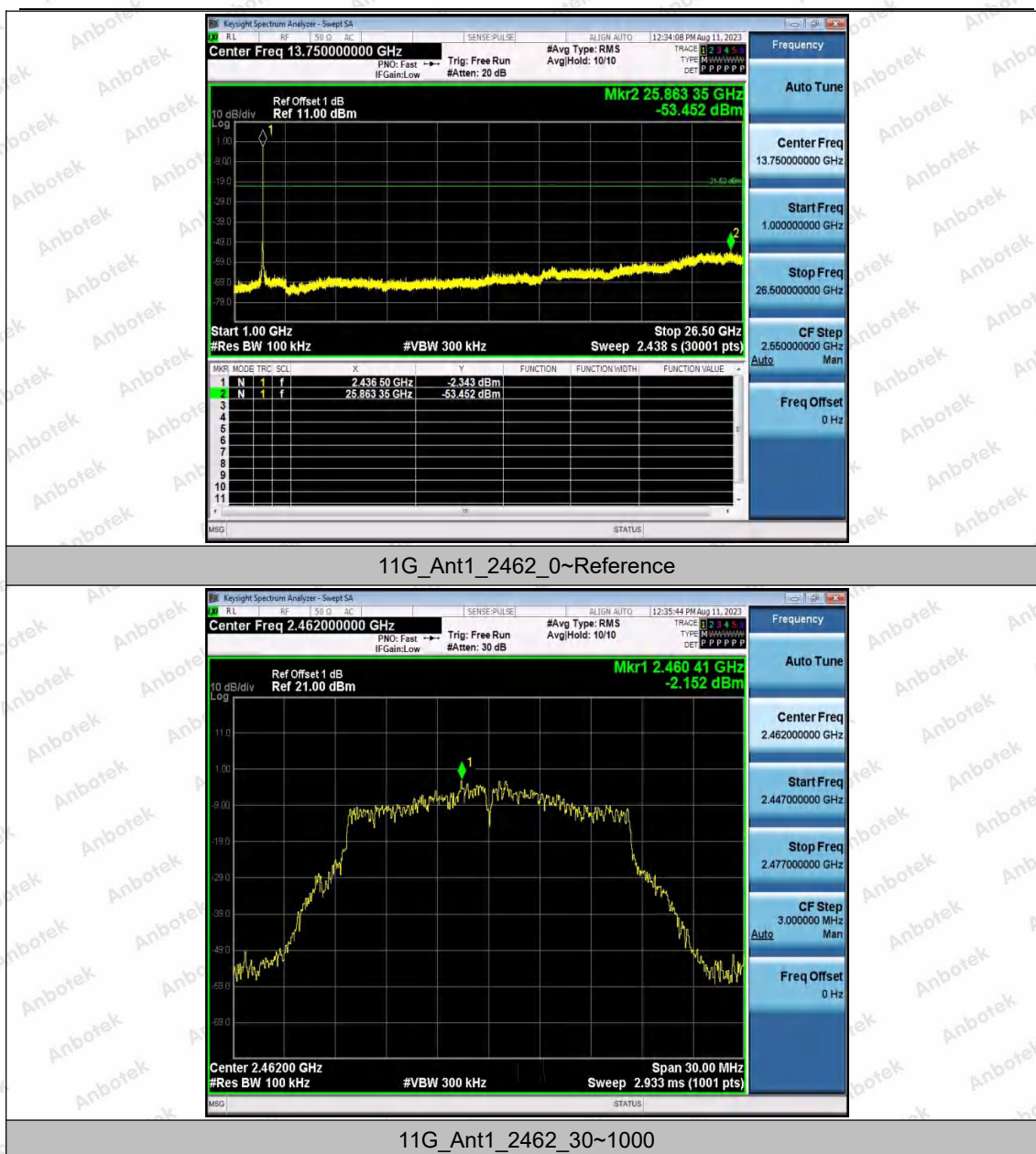
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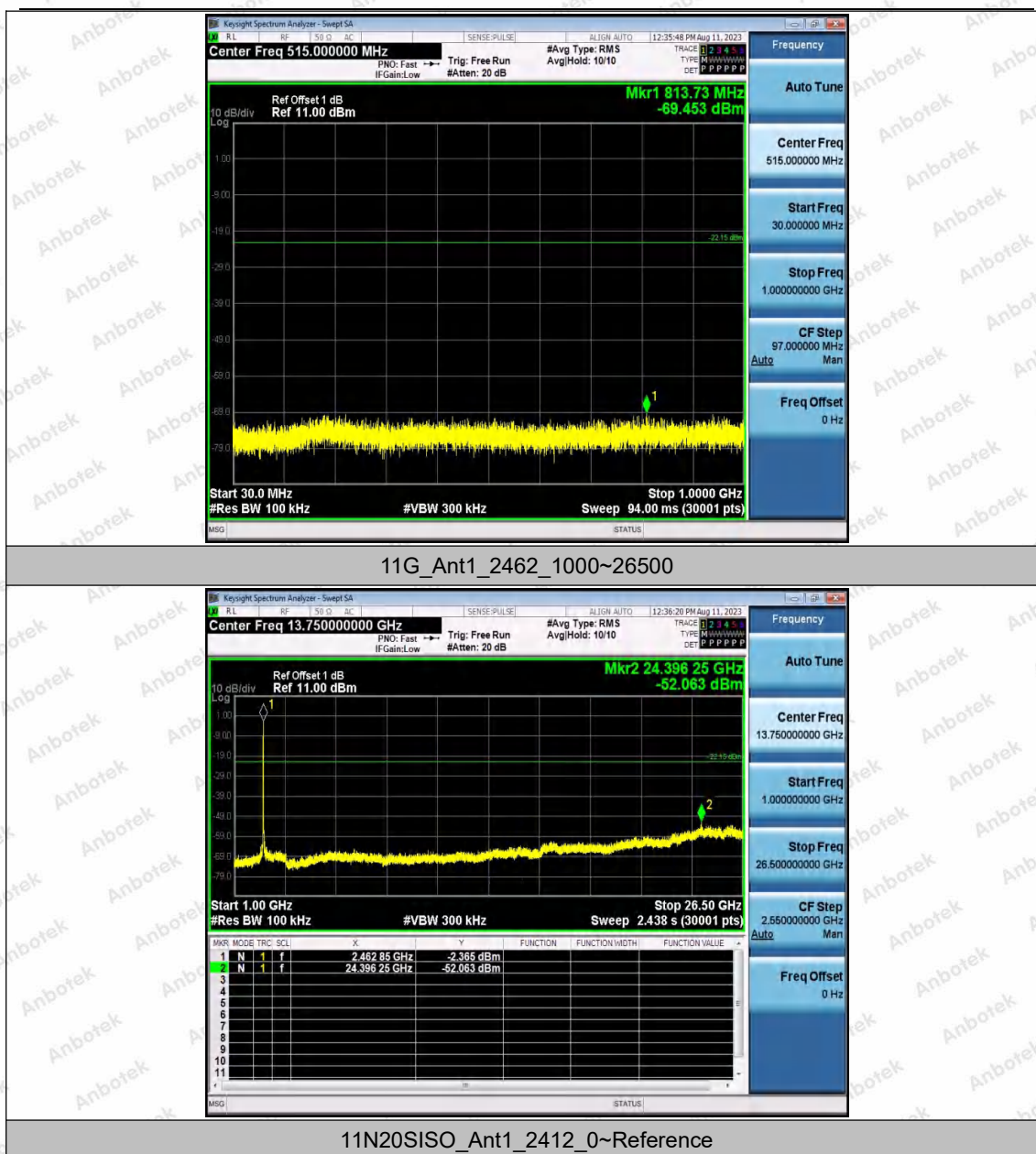
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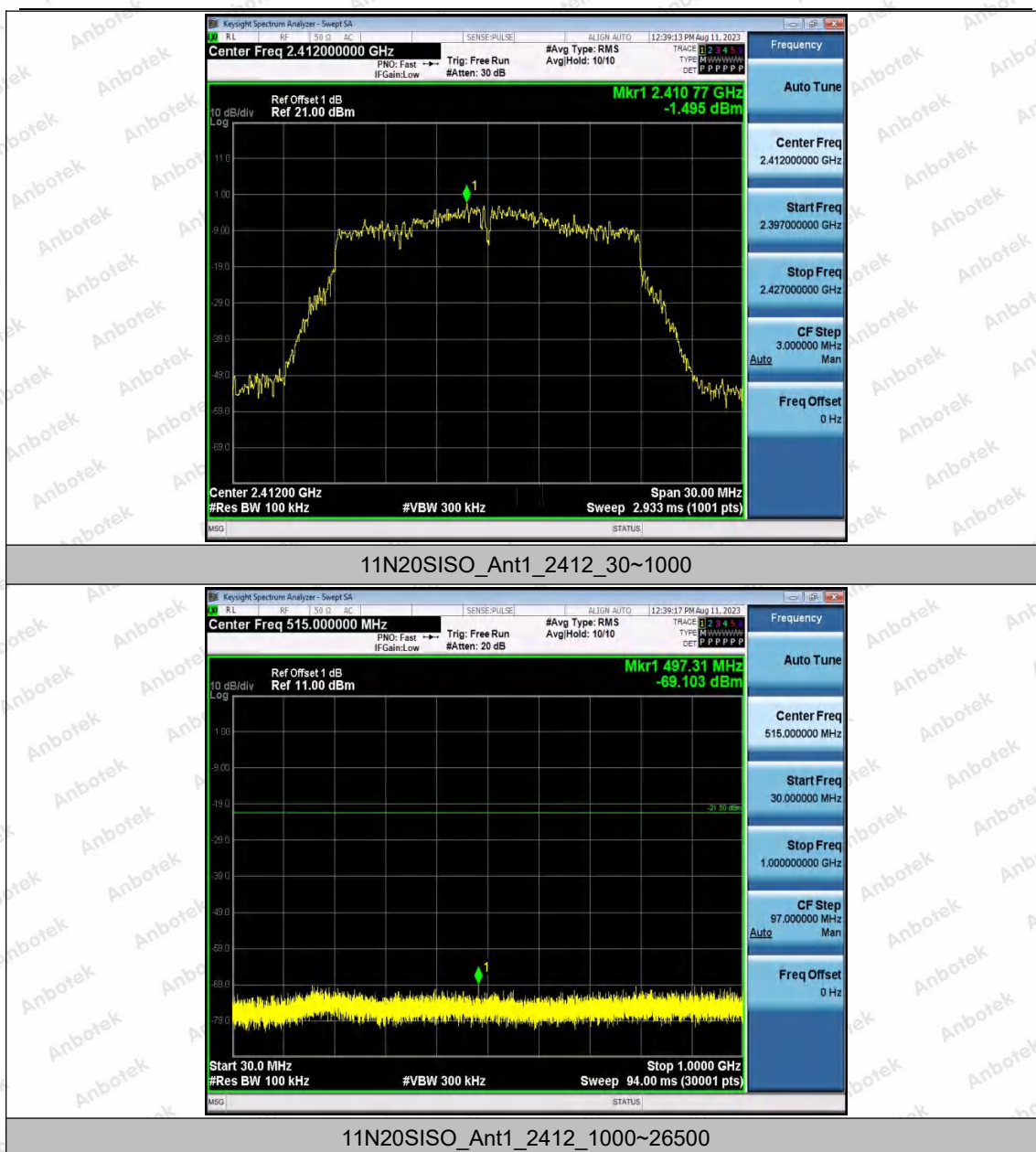
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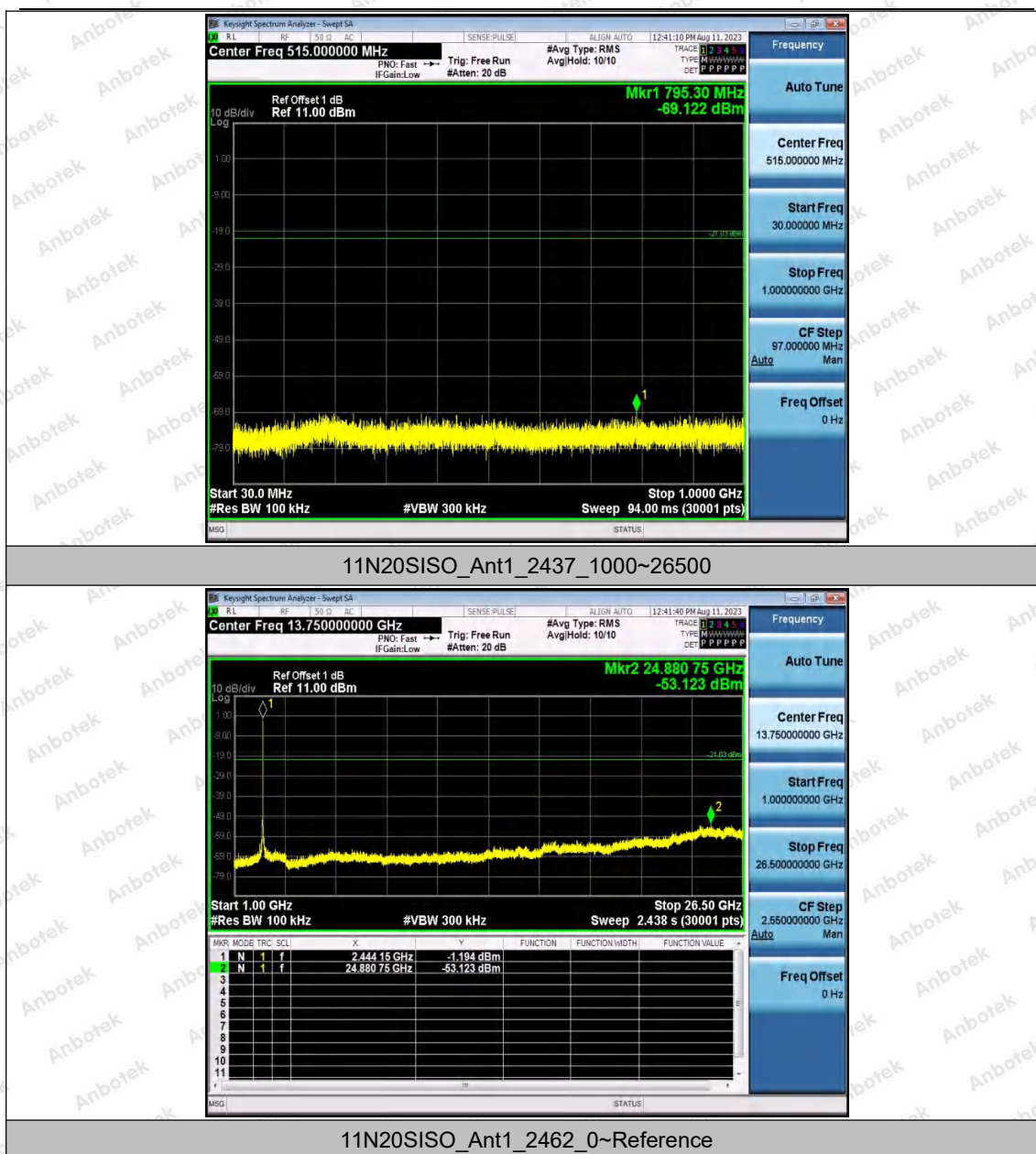
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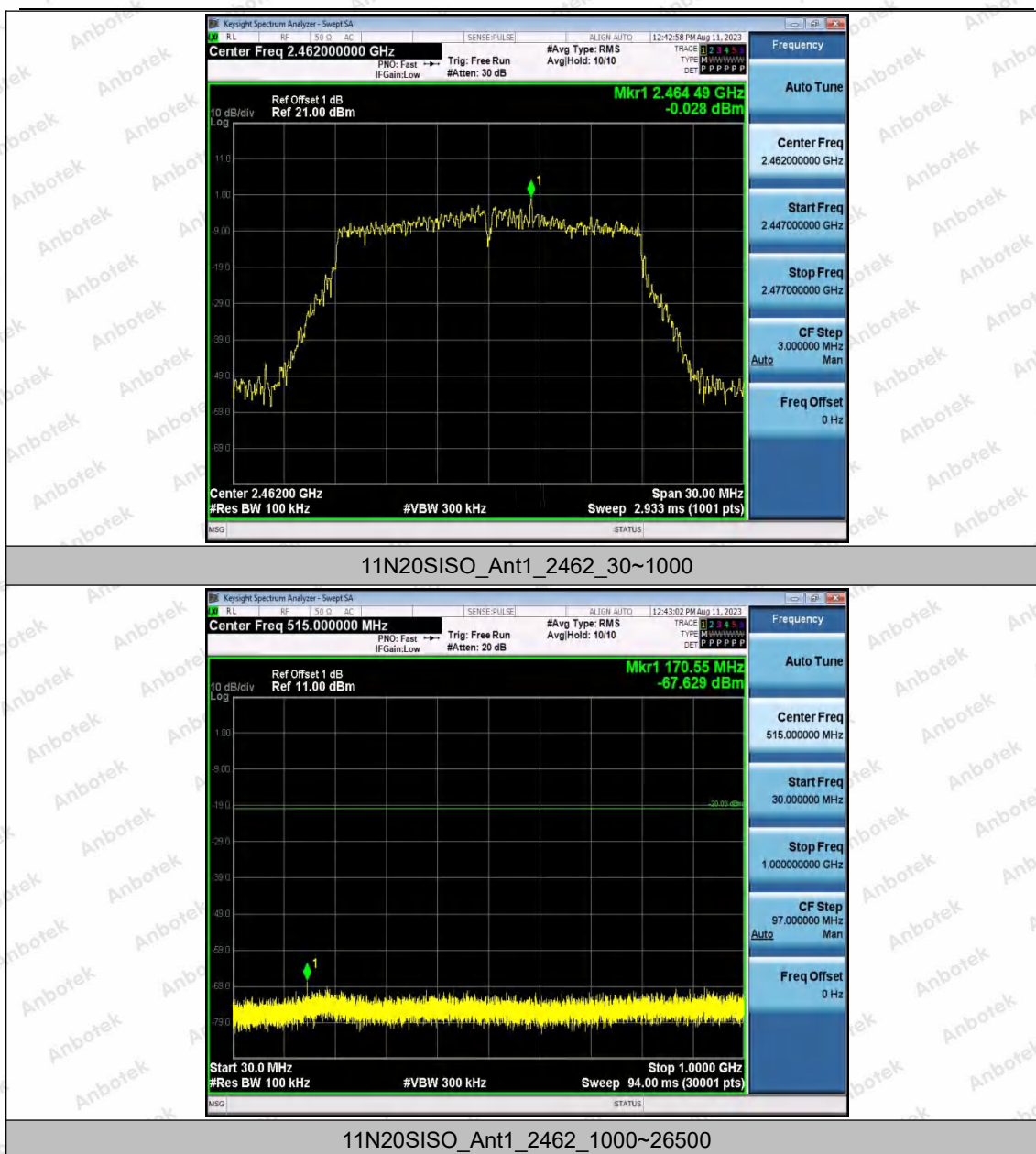
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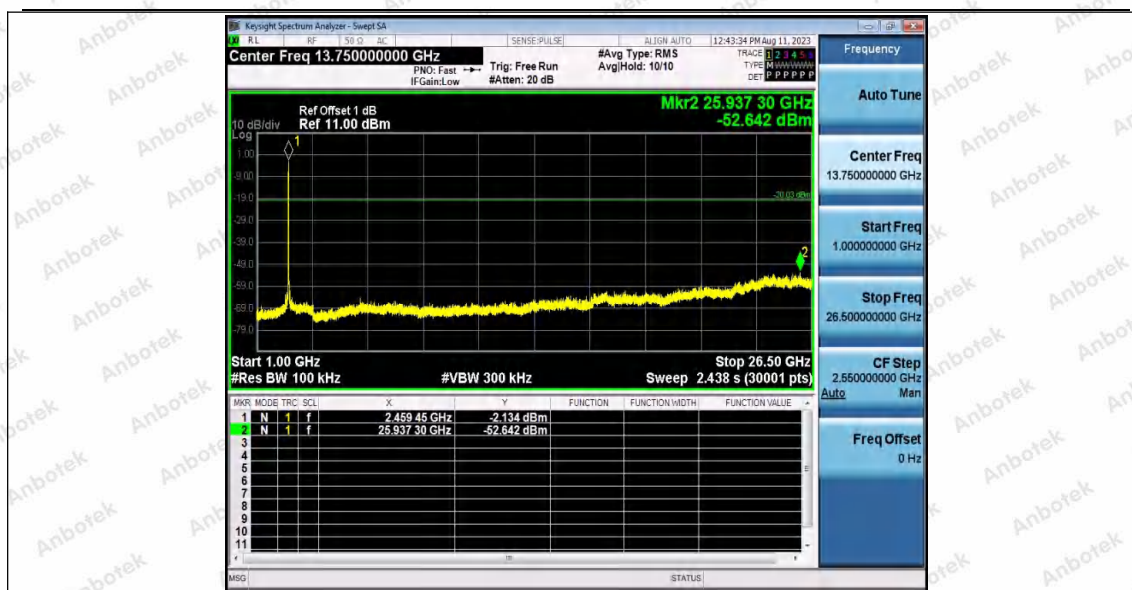
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.61	8.71	98.85	0.05
		2437	8.61	8.70	98.97	0.04
		2462	8.61	8.71	98.85	0.05
11G	Ant1	2412	1.42	1.53	92.81	0.32
		2437	1.43	1.54	92.86	0.32
		2462	1.43	1.53	93.46	0.29
11N20SISO	Ant1	2412	1.34	1.44	93.06	0.31
		2437	1.34	1.44	93.06	0.31
		2462	1.34	1.44	93.06	0.31



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

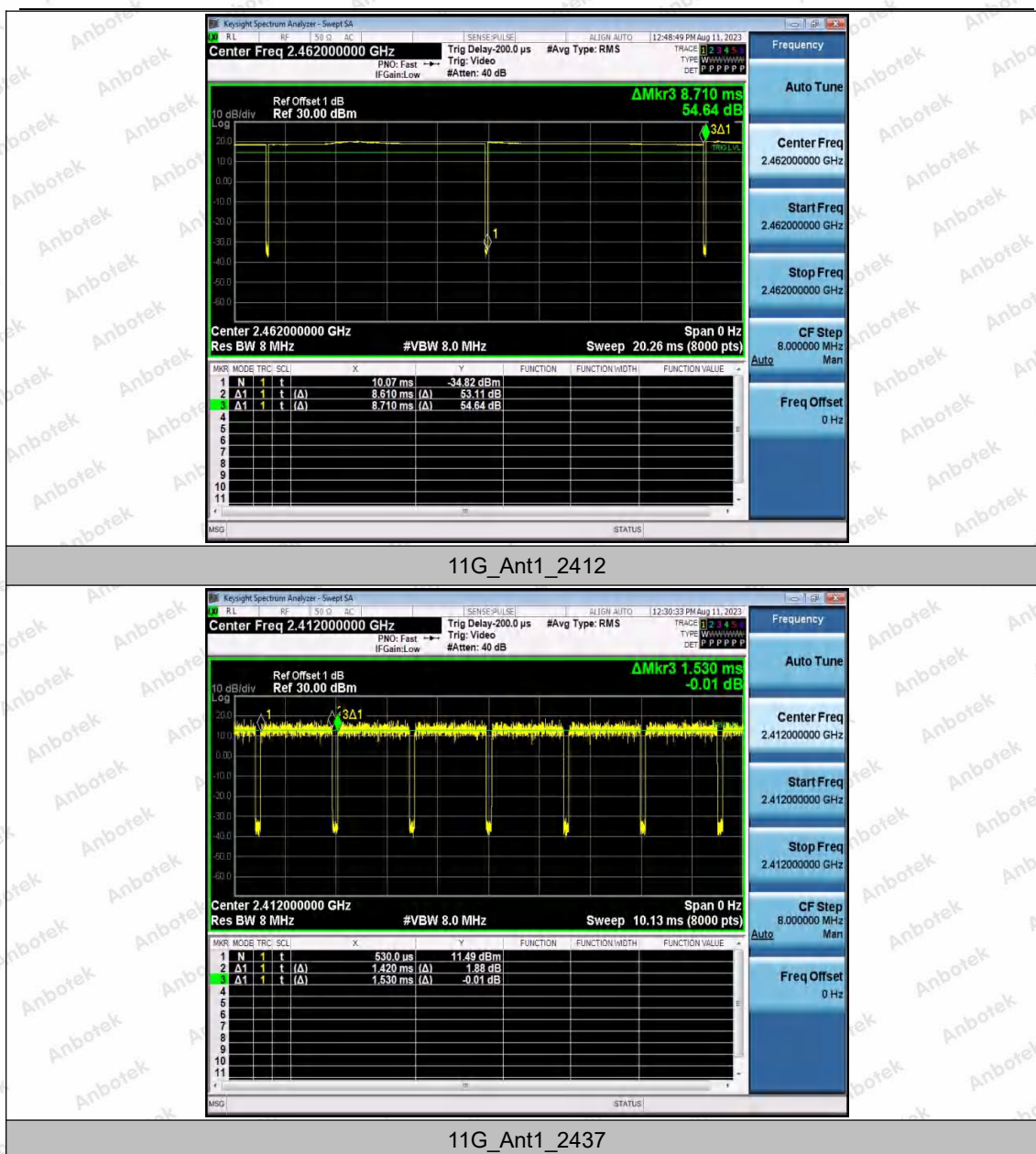
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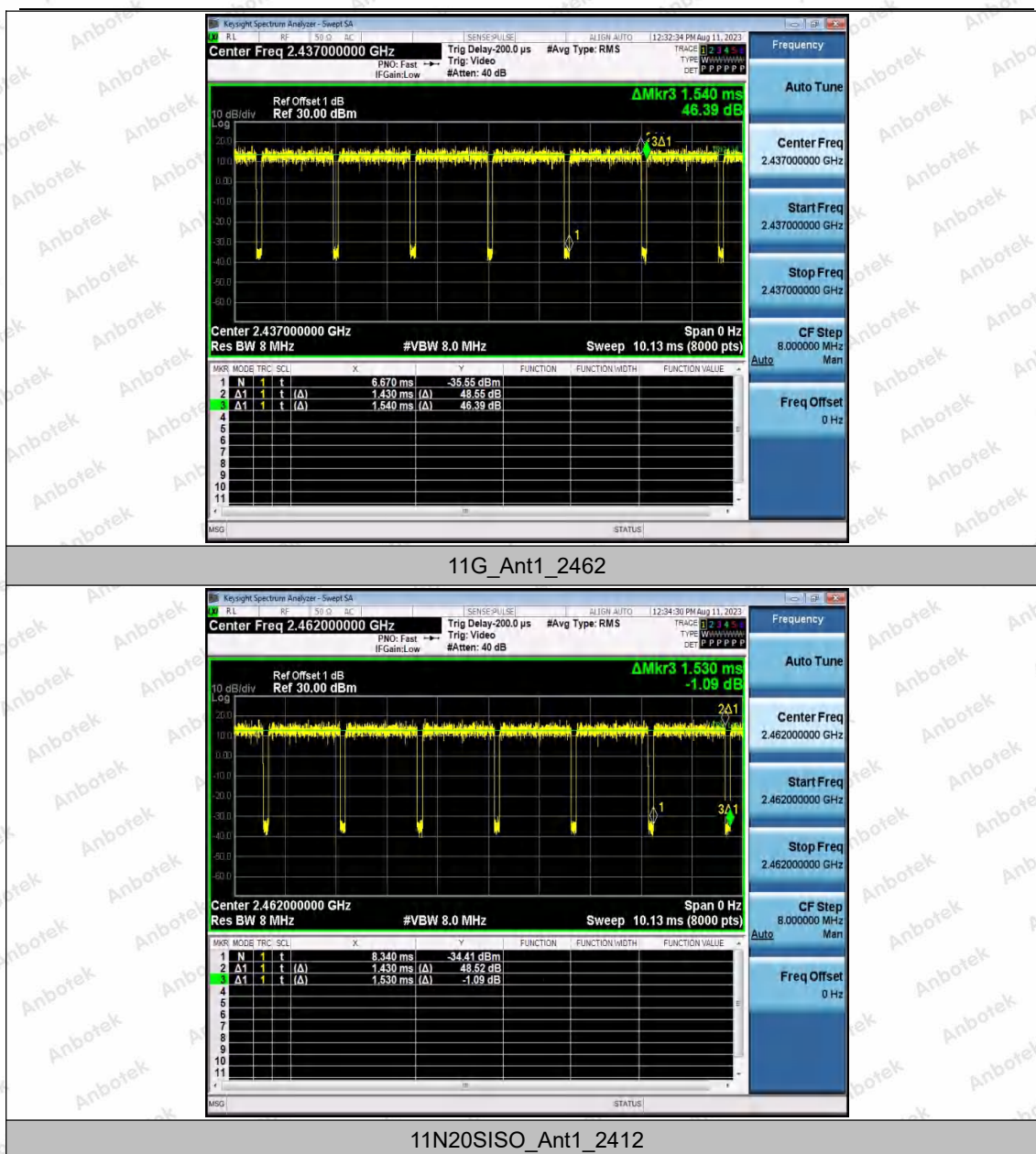
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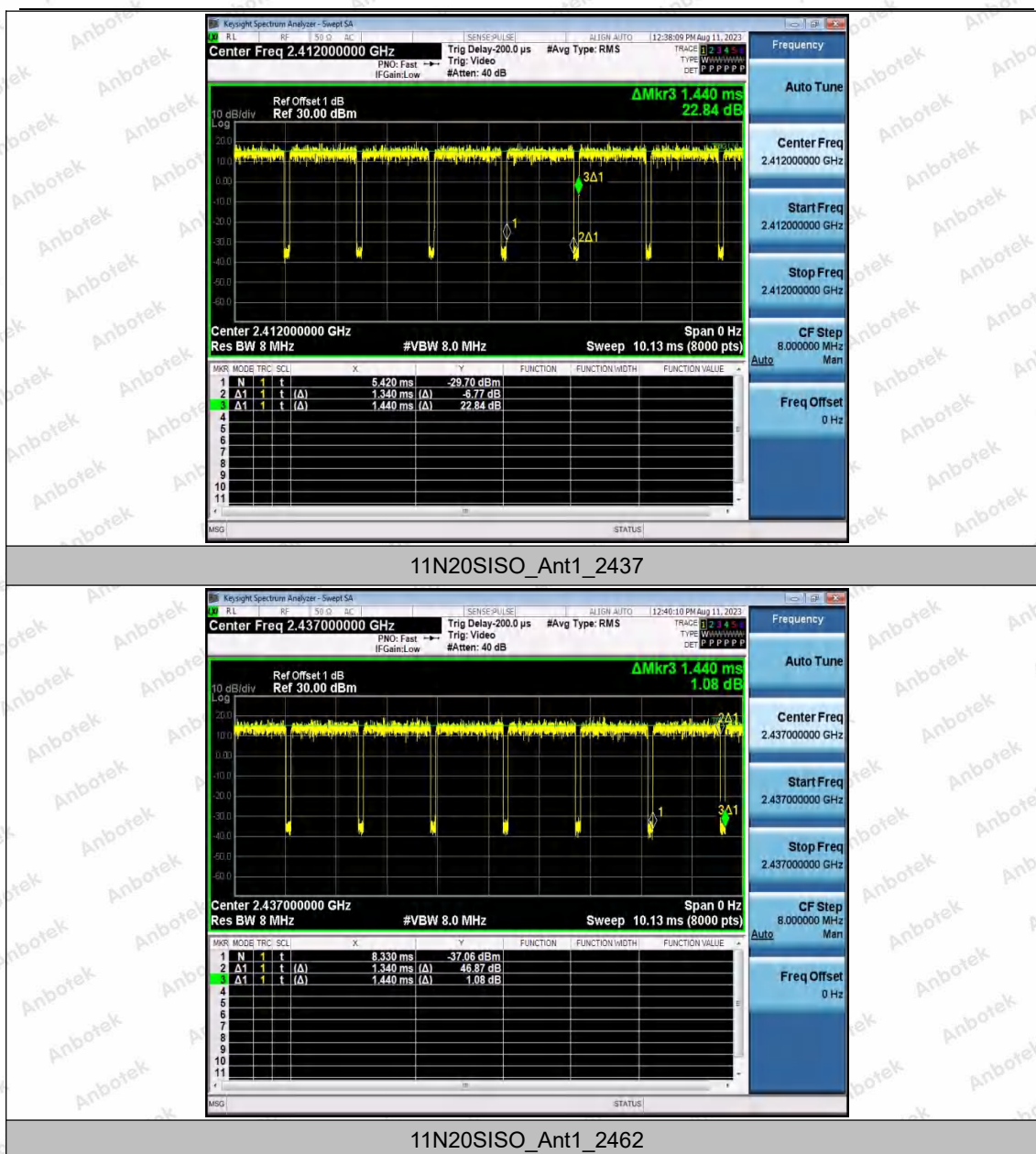
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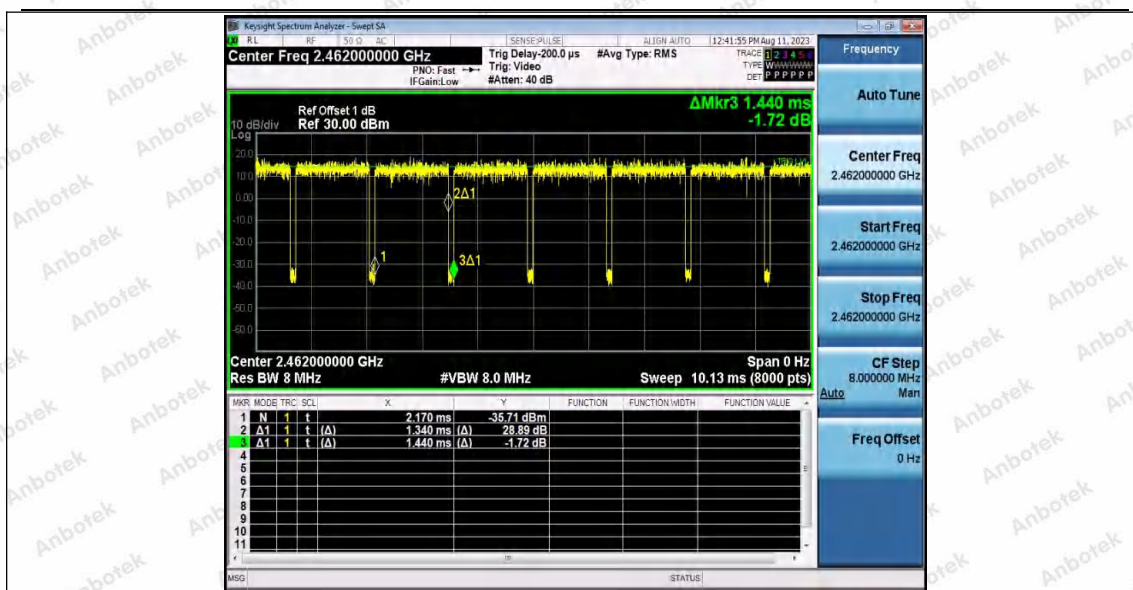


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