

Appendix Test Data

Report No.:	18220WC30125502	Test Sample No.:	1-2-2
Start Test Date:	2023.06.26	Finish Test Date:	2023.06.28
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.0°C	Relative Humidity:	48%
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	9.000	2407.520	2416.520	≥0.5	PASS
		2437	9.080	2432.480	2441.560	≥0.5	PASS
		2462	9.080	2457.480	2466.560	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.560	2428.240	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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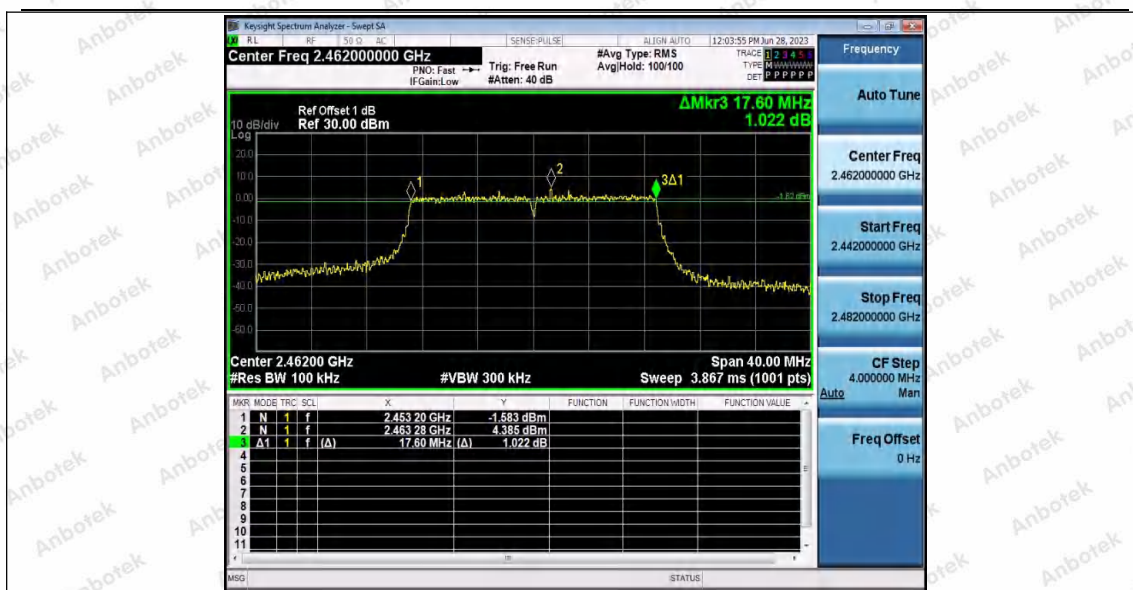
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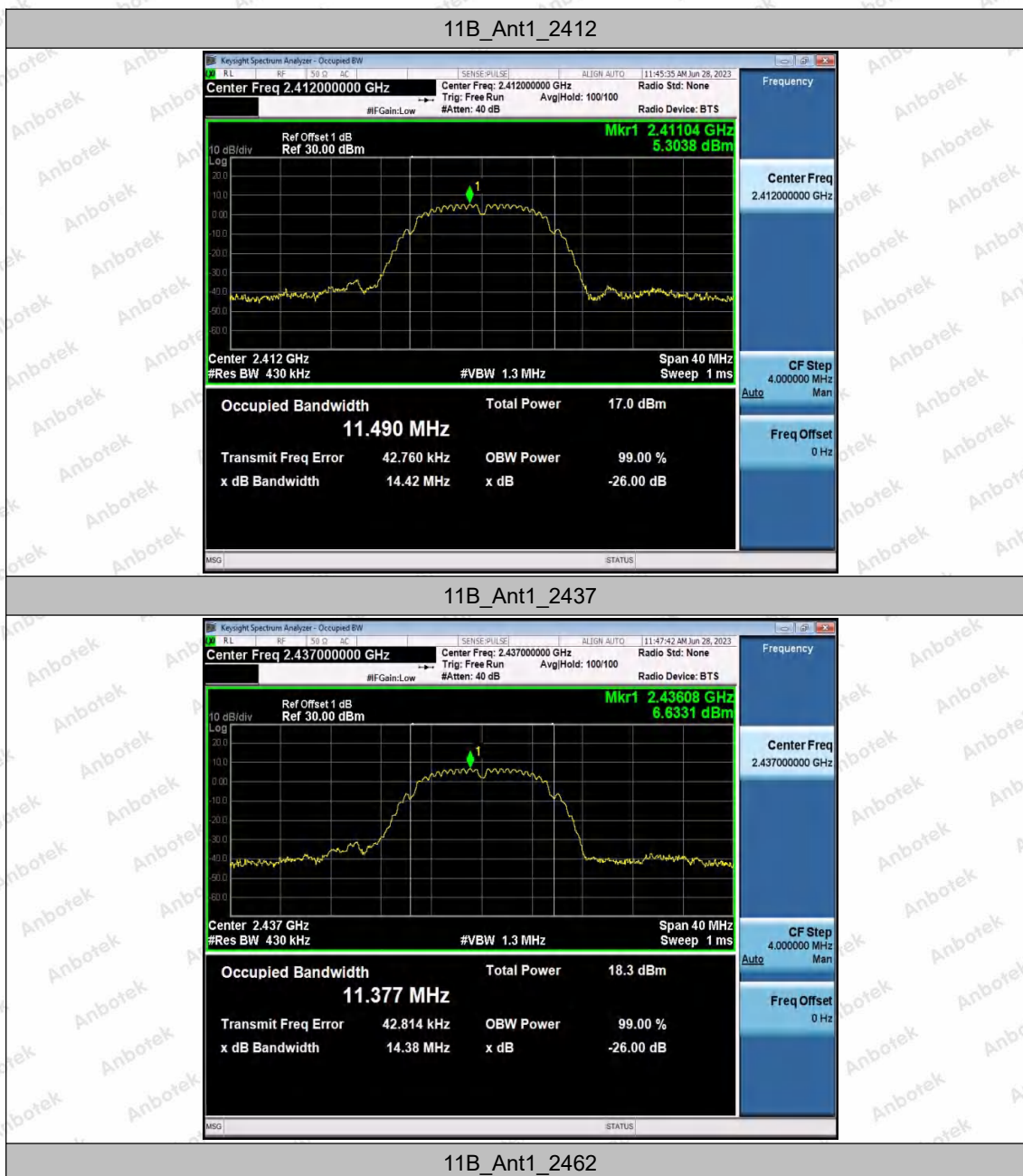
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.490	2406.2978	2417.7878	---	---
		2437	11.377	2431.3543	2442.7313	---	---
		2462	11.313	2456.4007	2467.7137	---	---
11G	Ant1	2412	16.845	2403.5956	2420.4406	---	---
		2437	16.856	2428.5960	2445.4520	---	---
		2462	16.941	2453.5924	2470.5334	---	---
11N20SISO	Ant1	2412	17.812	2403.1311	2420.9431	---	---
		2437	17.811	2428.1233	2445.9343	---	---
		2462	17.855	2453.1084	2470.9634	---	---



Test Graphs



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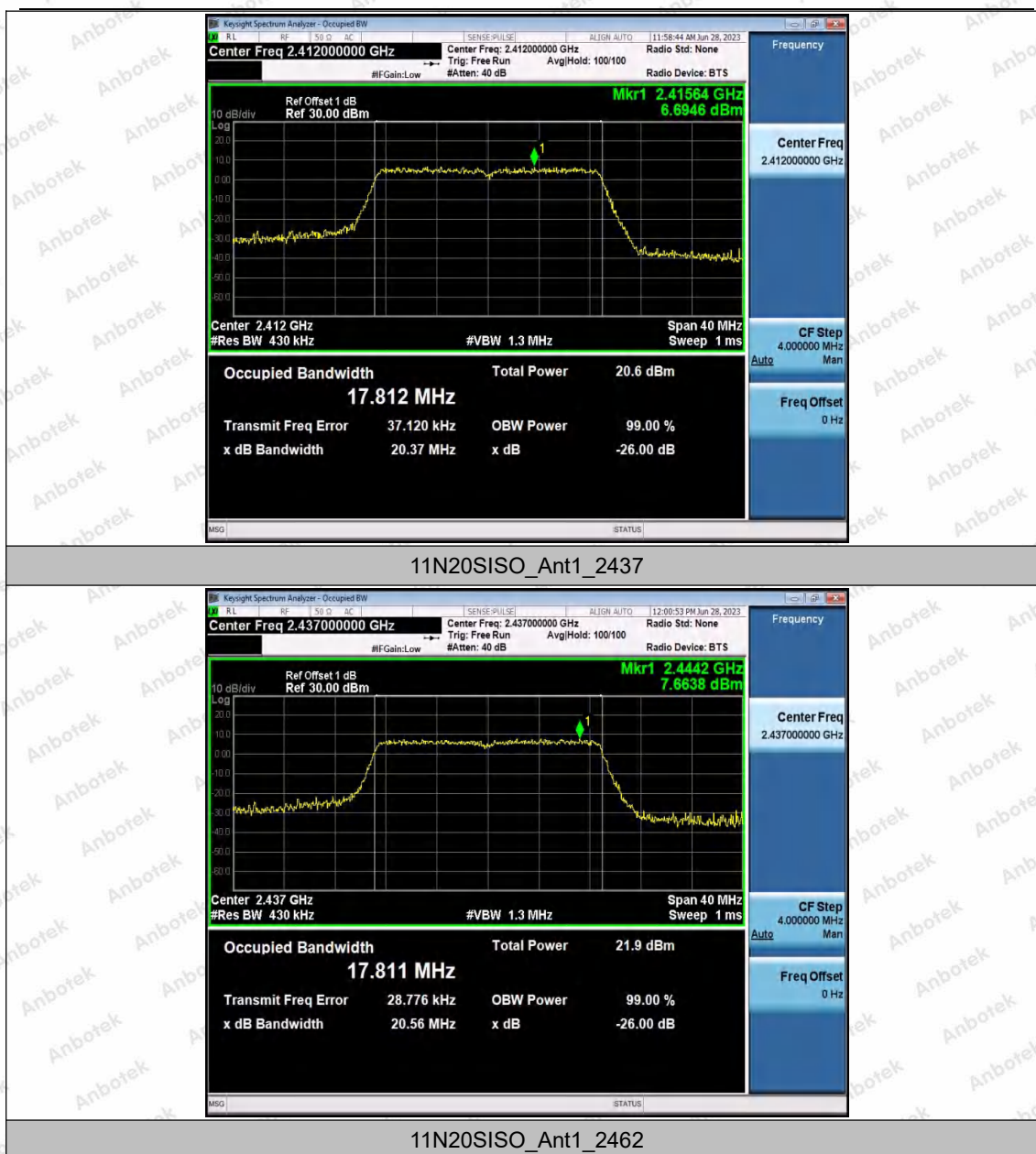
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Appendix C: Maximum output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.99	≤30	PASS
		2437	18.35	≤30	PASS
		2462	18.50	≤30	PASS
11G	Ant1	2412	22.20	≤30	PASS
		2437	23.47	≤30	PASS
		2462	23.57	≤30	PASS
11N20SISO	Ant1	2412	21.62	≤30	PASS
		2437	23.11	≤30	PASS
		2462	23.24	≤30	PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.76	≤8.00	PASS
		2437	-7.81	≤8.00	PASS
		2462	-7.3	≤8.00	PASS
11G	Ant1	2412	-9.67	≤8.00	PASS
		2437	-8.57	≤8.00	PASS
		2462	-7.8	≤8.00	PASS
11N20SISO	Ant1	2412	-9.78	≤8.00	PASS
		2437	-9.83	≤8.00	PASS
		2462	-9.59	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

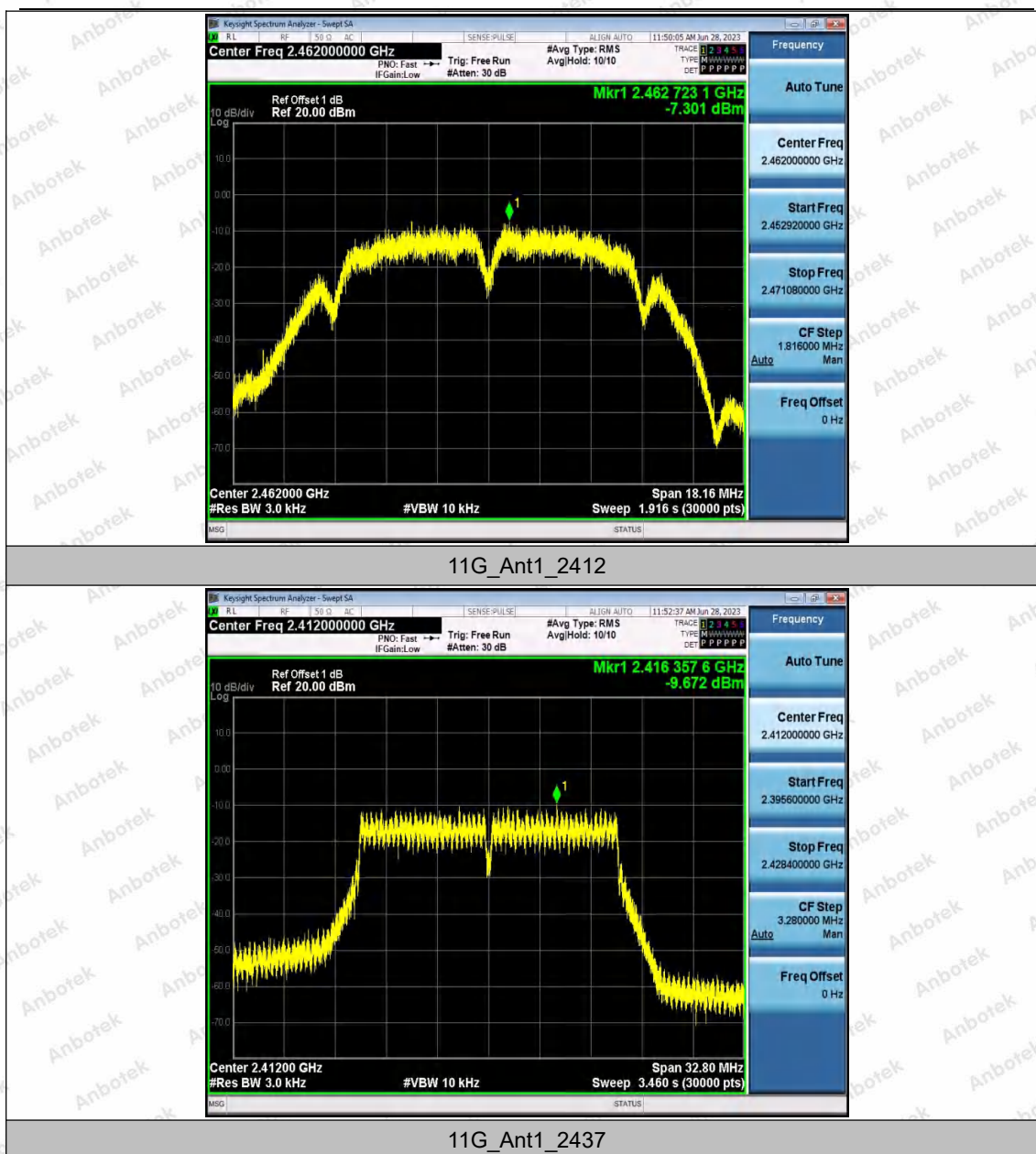
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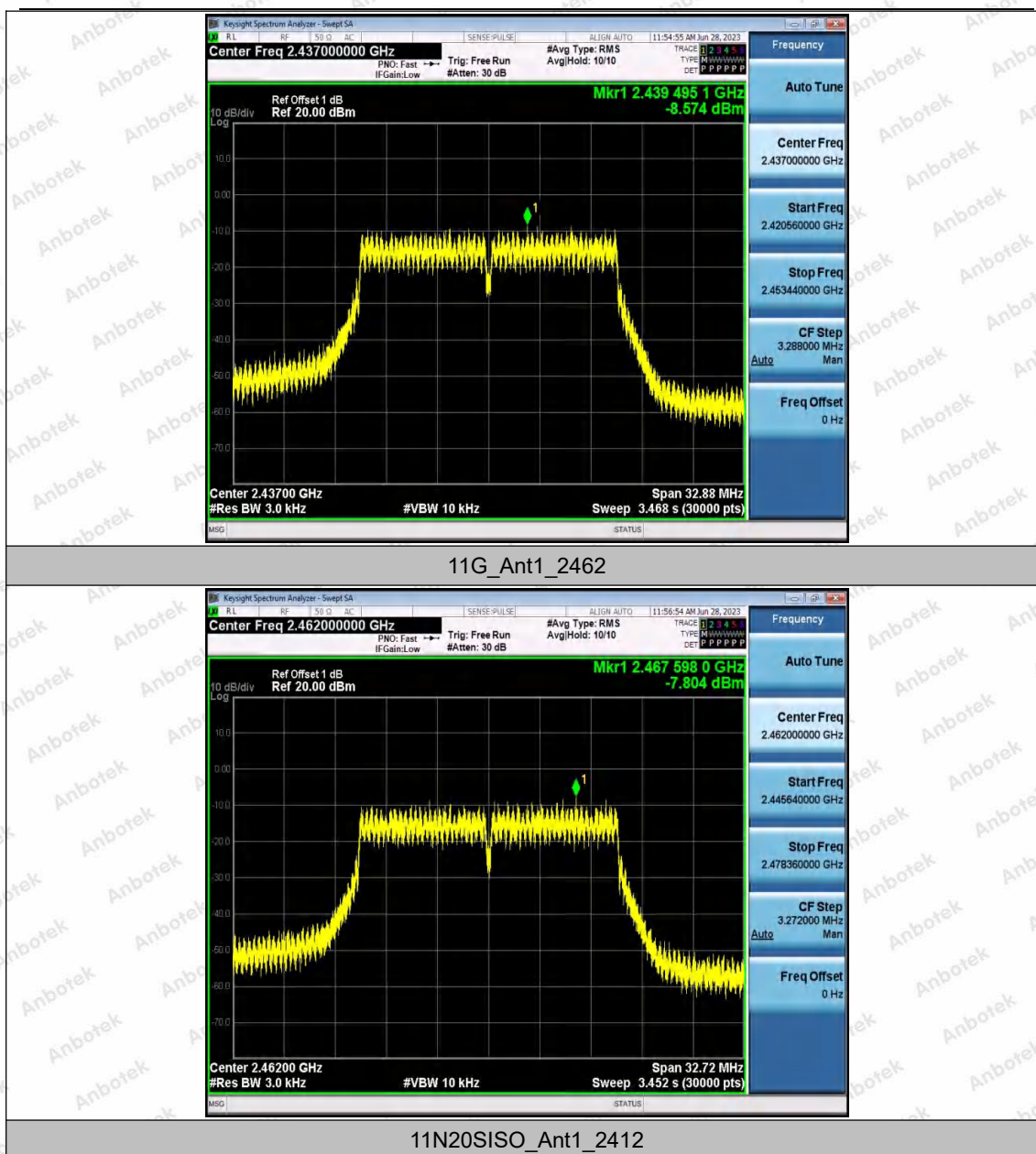
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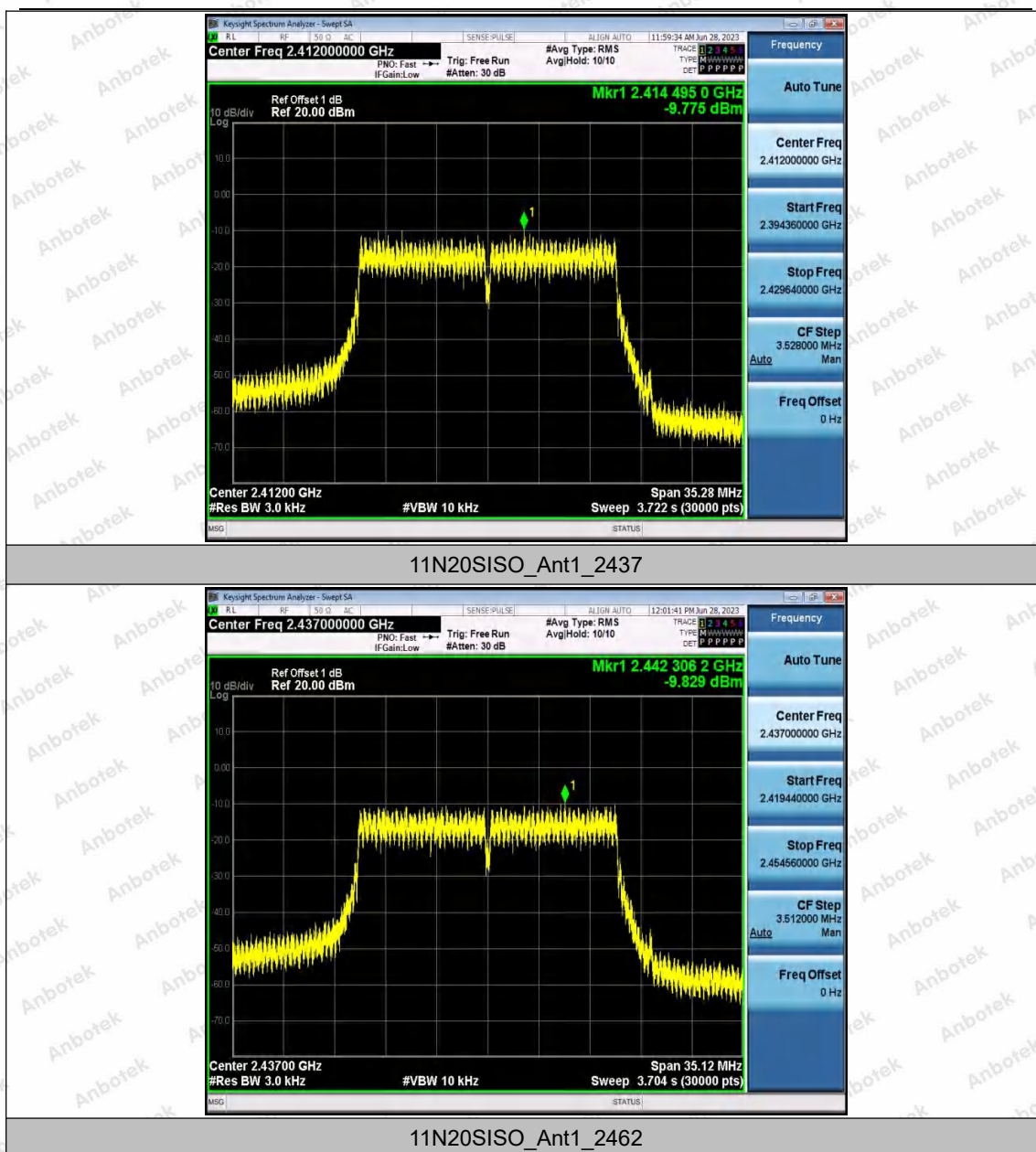
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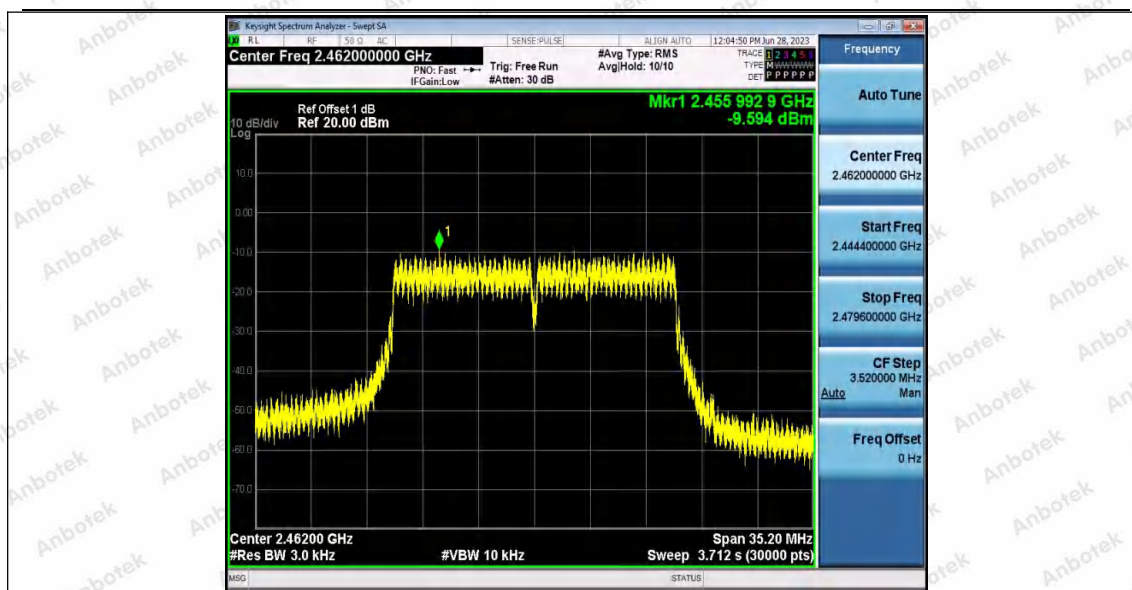
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.14	-44.88	≤-14.86	PASS
		High	2462	6.43	-47.34	≤-13.57	PASS
11G	Ant1	Low	2412	3.22	-30.25	≤-16.78	PASS
		High	2462	4.77	-40.08	≤-15.23	PASS
11N20SISO	Ant1	Low	2412	2.64	-32	≤-17.36	PASS
		High	2462	3.64	-40.31	≤-16.36	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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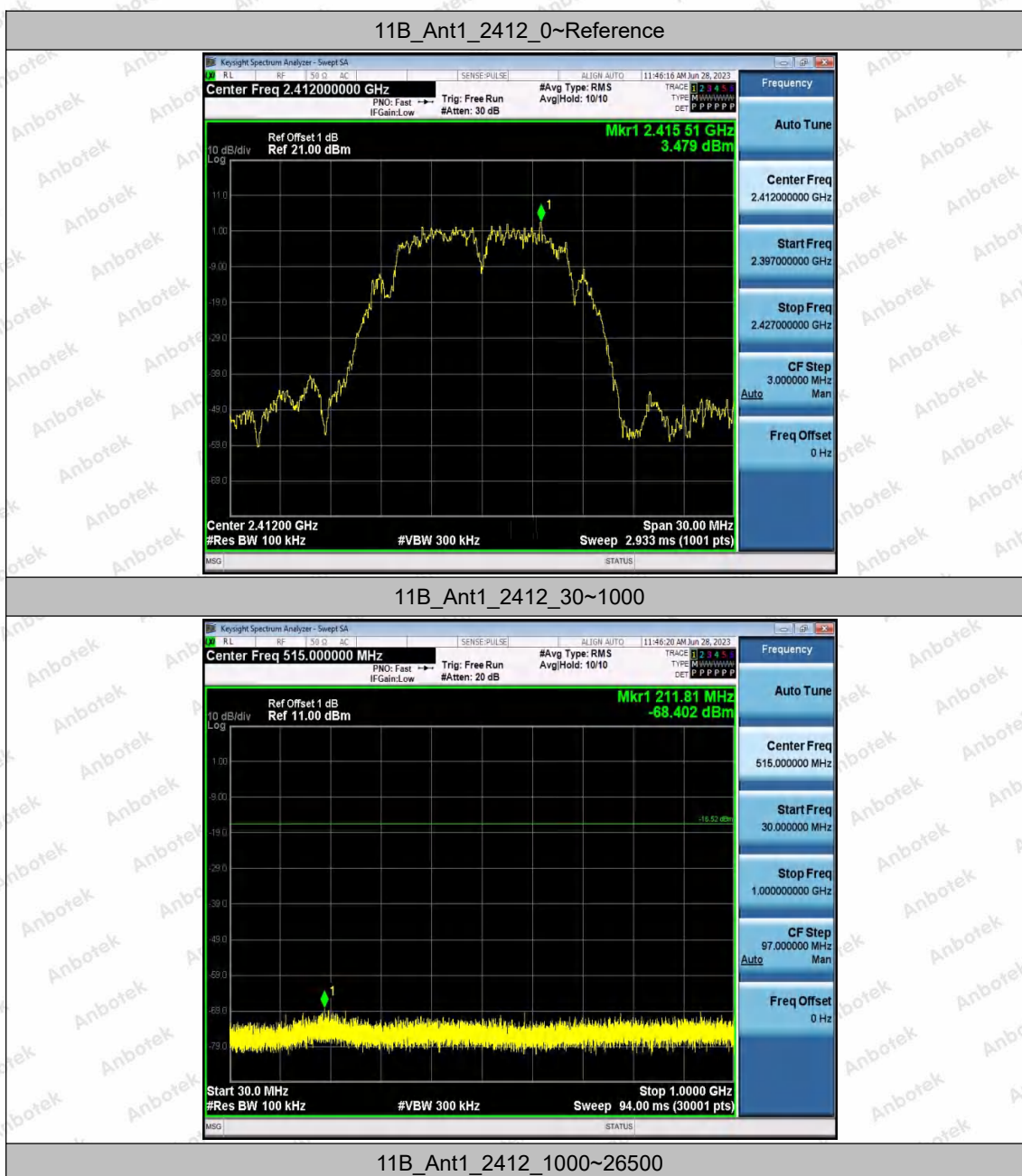
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-68.4	≤-16.52	PASS
			1000~26500	3.48	-31.49	≤-16.52	PASS
		2437	Reference	4.52	4.52	---	PASS
			30~1000	4.52	-68.27	≤-15.48	PASS
			1000~26500	4.52	-30.63	≤-15.48	PASS
		2462	Reference	5.68	5.68	---	PASS
			30~1000	5.68	-68.76	≤-14.32	PASS
			1000~26500	5.68	-32.24	≤-14.32	PASS
11G	Ant1	2412	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-68.69	≤-17.3	PASS
			1000~26500	2.70	-37.65	≤-17.3	PASS
		2437	Reference	1.54	1.54	---	PASS
			30~1000	1.54	-69.25	≤-18.46	PASS
			1000~26500	1.54	-37.64	≤-18.46	PASS
		2462	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-68.37	≤-18.45	PASS
			1000~26500	1.55	-40.1	≤-18.45	PASS
11N20SISO	Ant1	2412	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-68.37	≤-17.75	PASS
			1000~26500	2.25	-39.65	≤-17.75	PASS
		2437	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-69.17	≤-15.95	PASS
			1000~26500	4.05	-39.57	≤-15.95	PASS
		2462	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-68.57	≤-16.79	PASS
			1000~26500	3.21	-40.18	≤-16.79	PASS



Test Graphs



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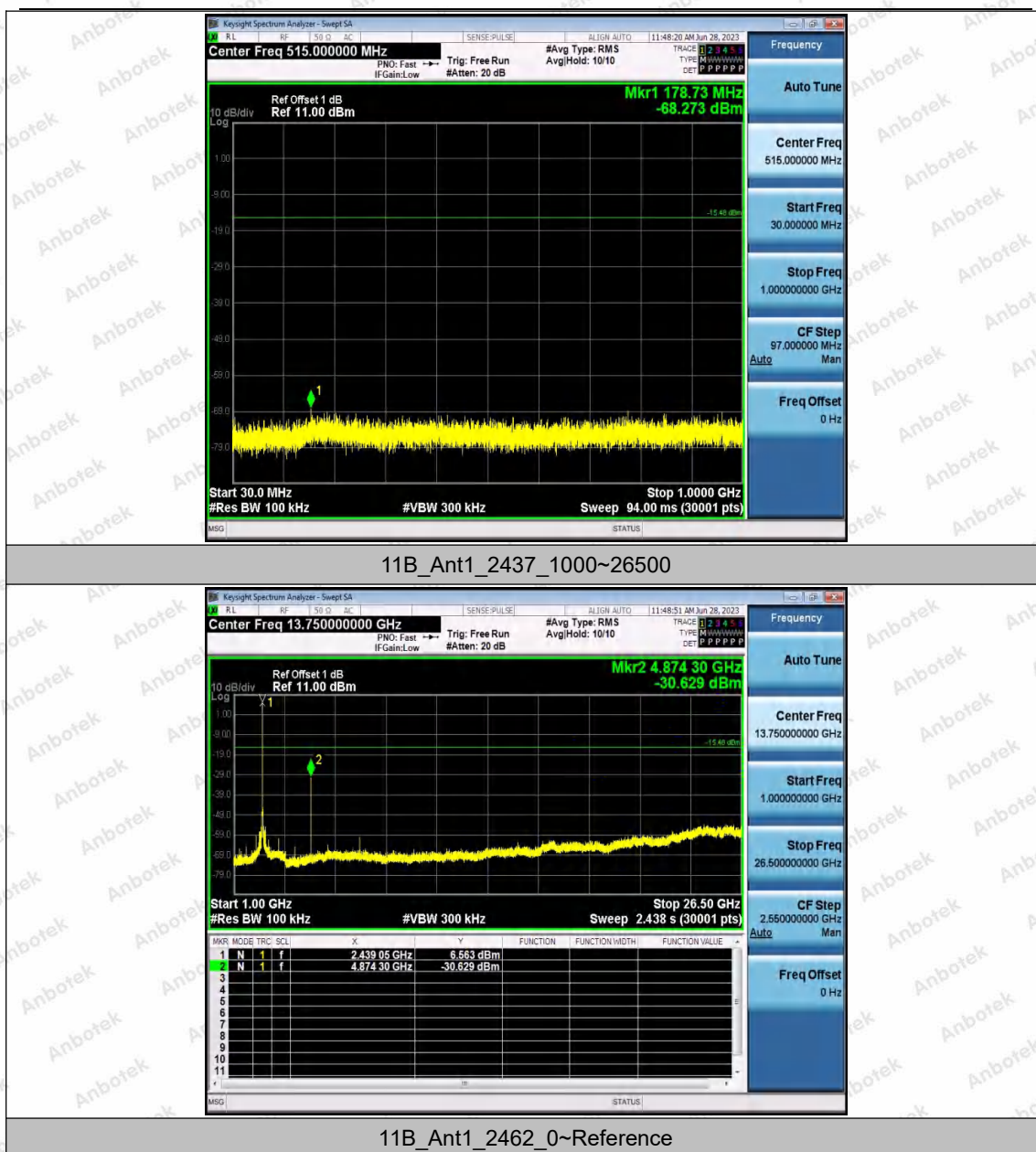
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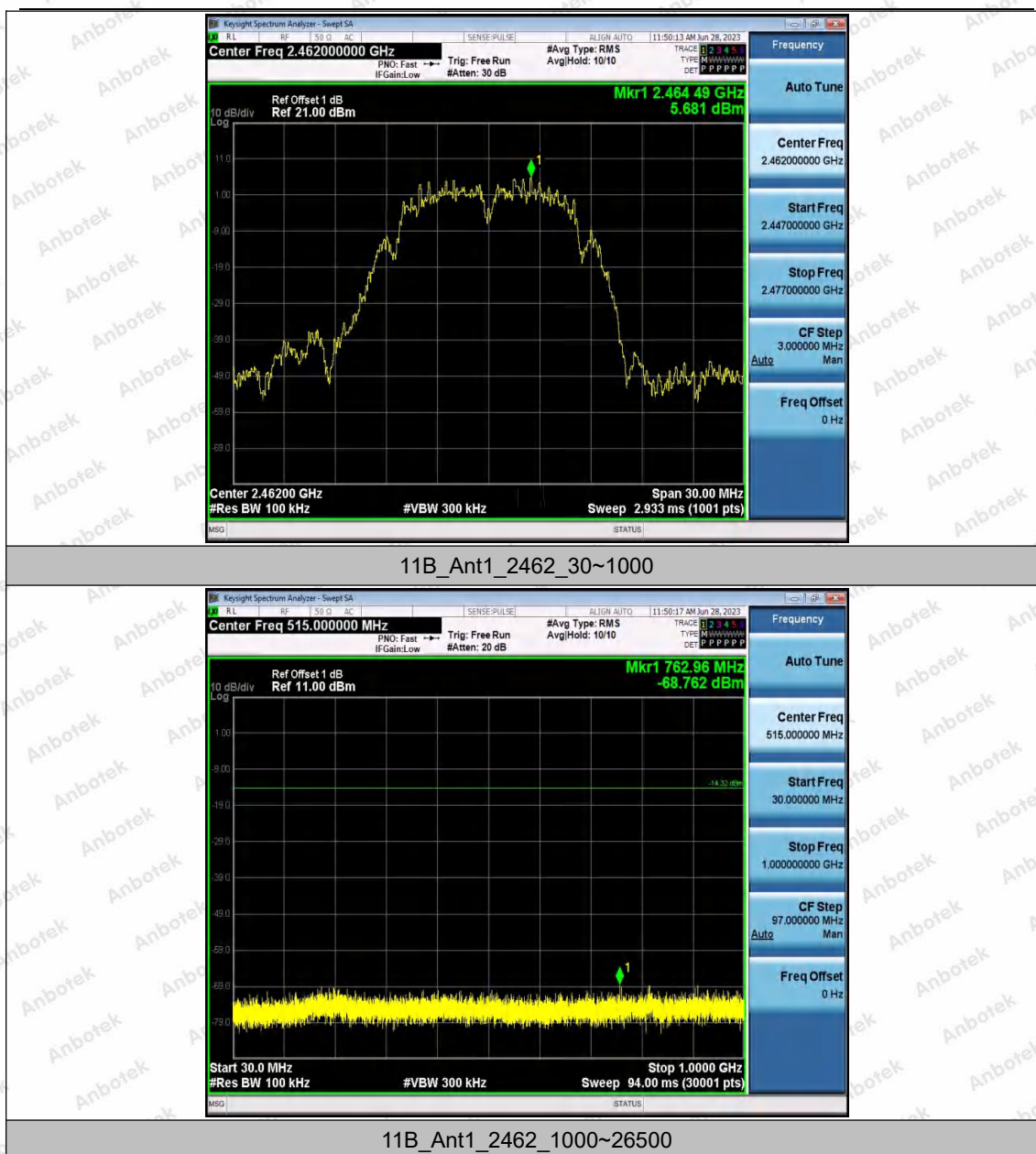
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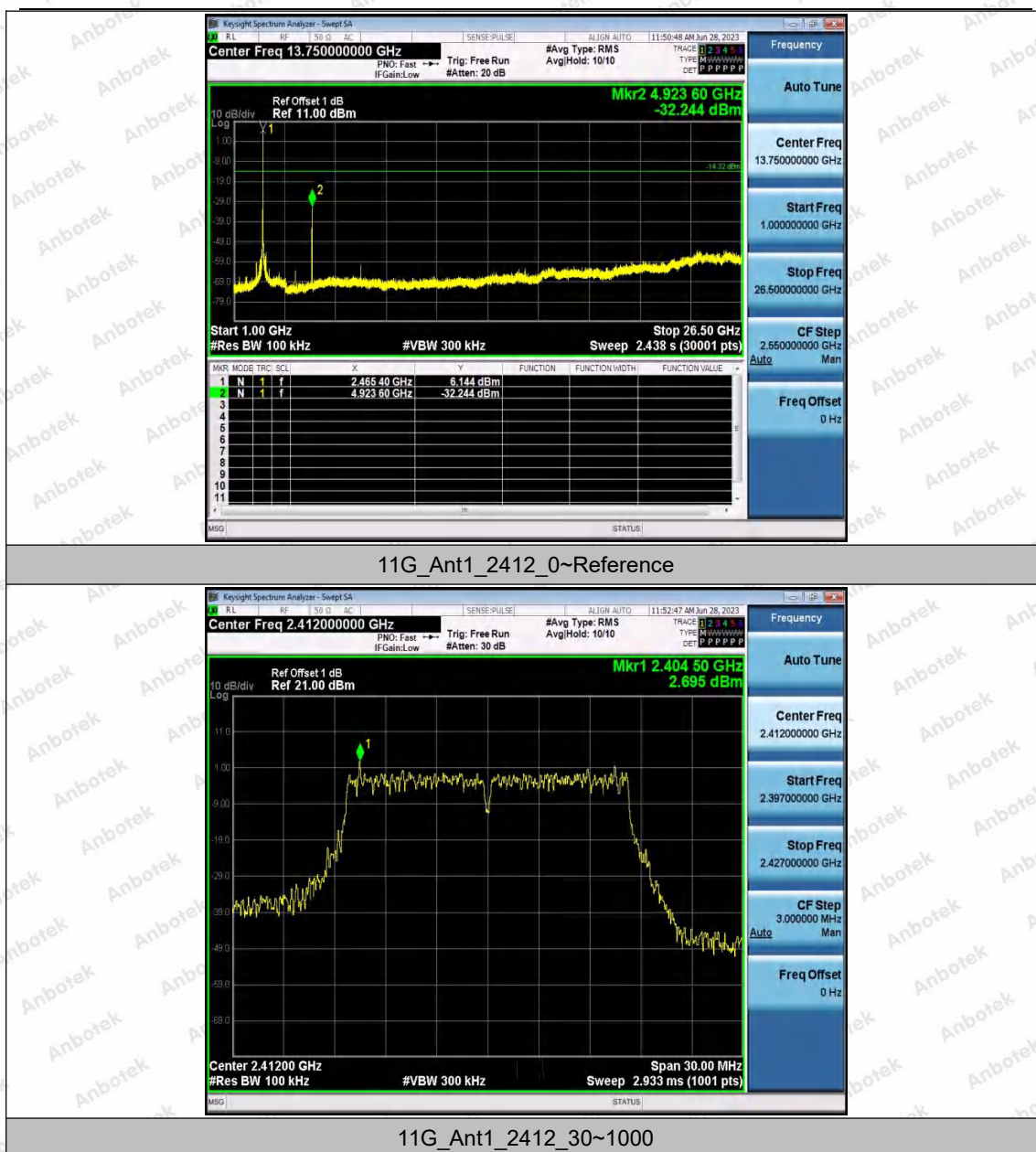
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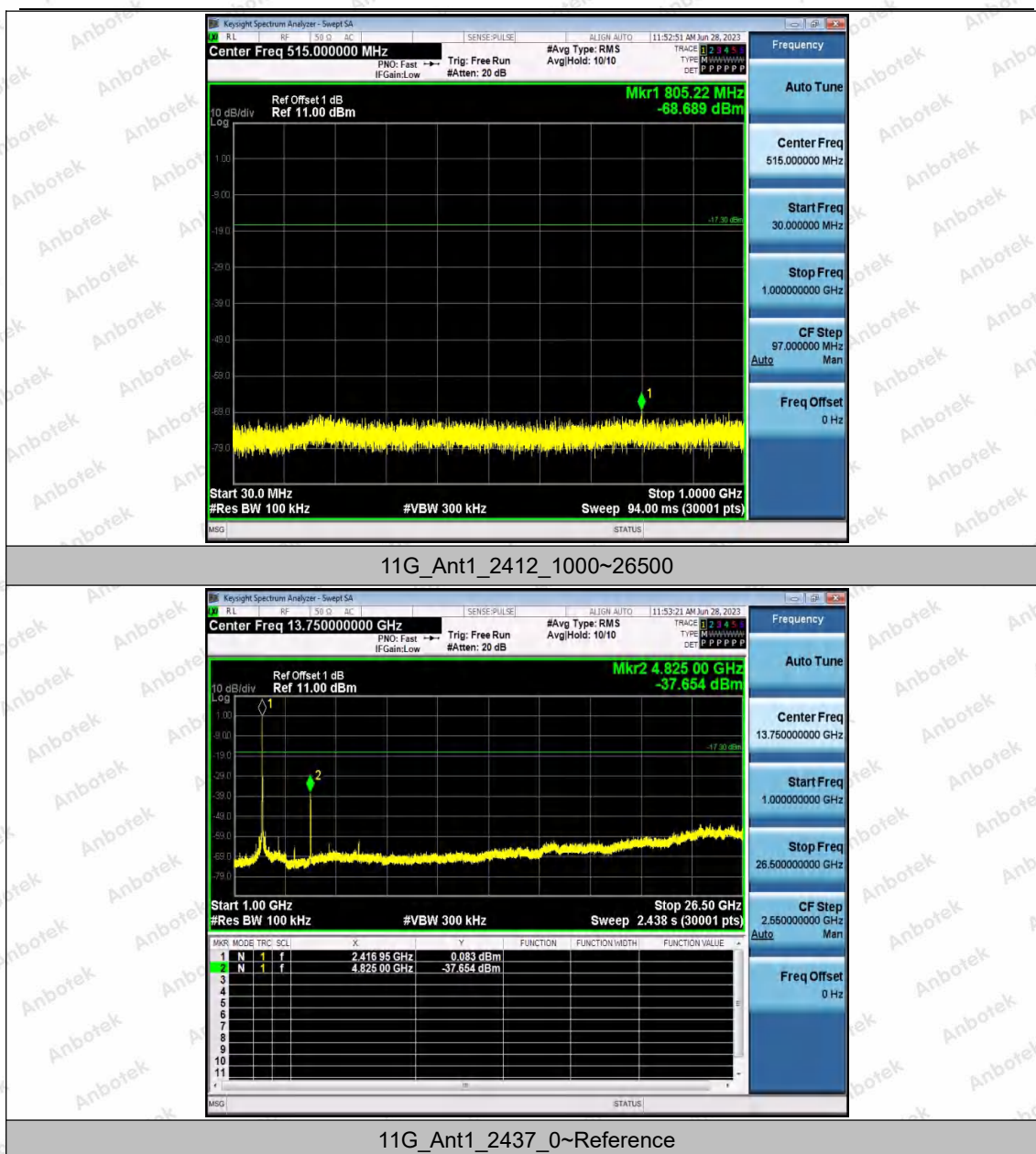
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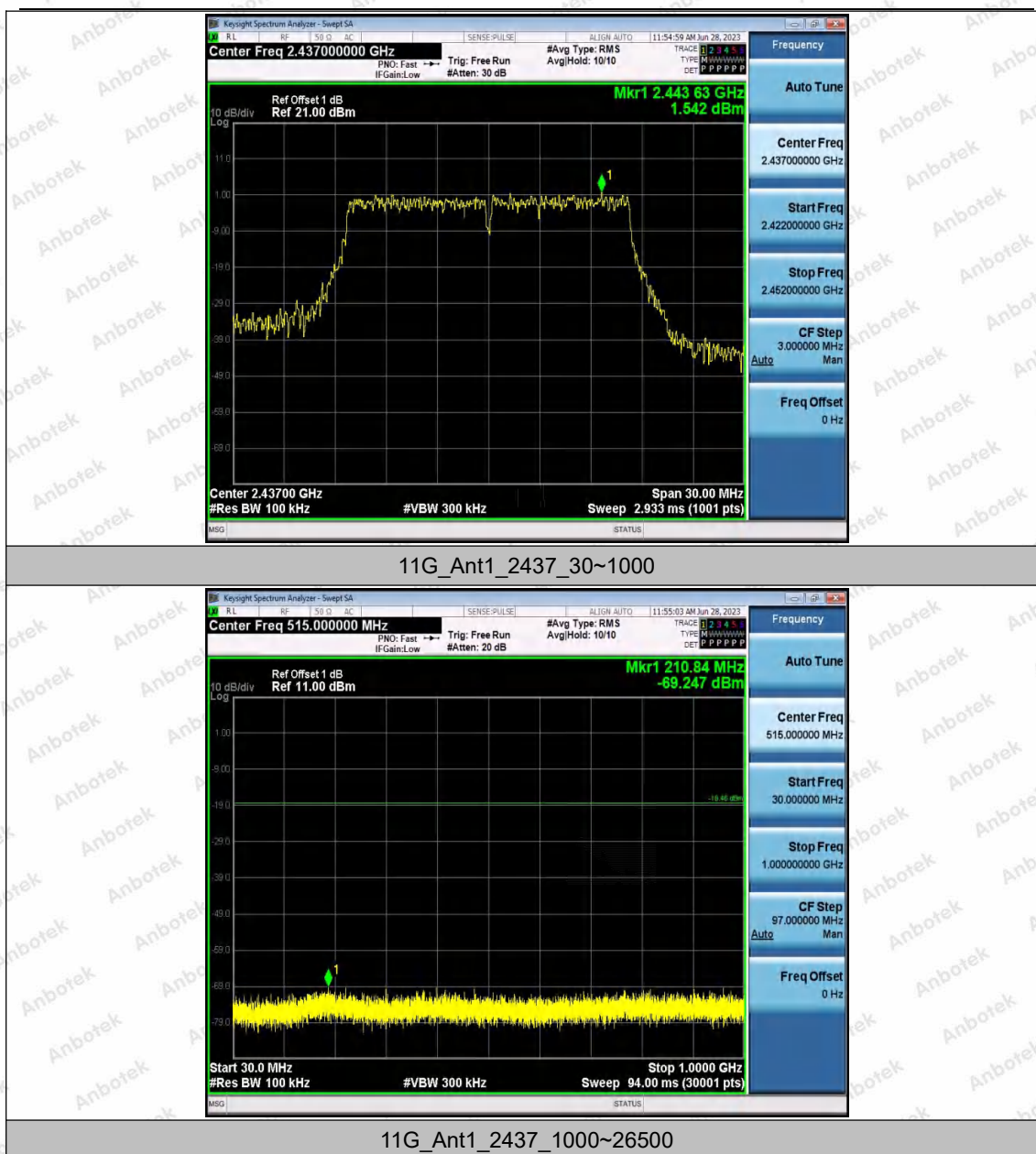
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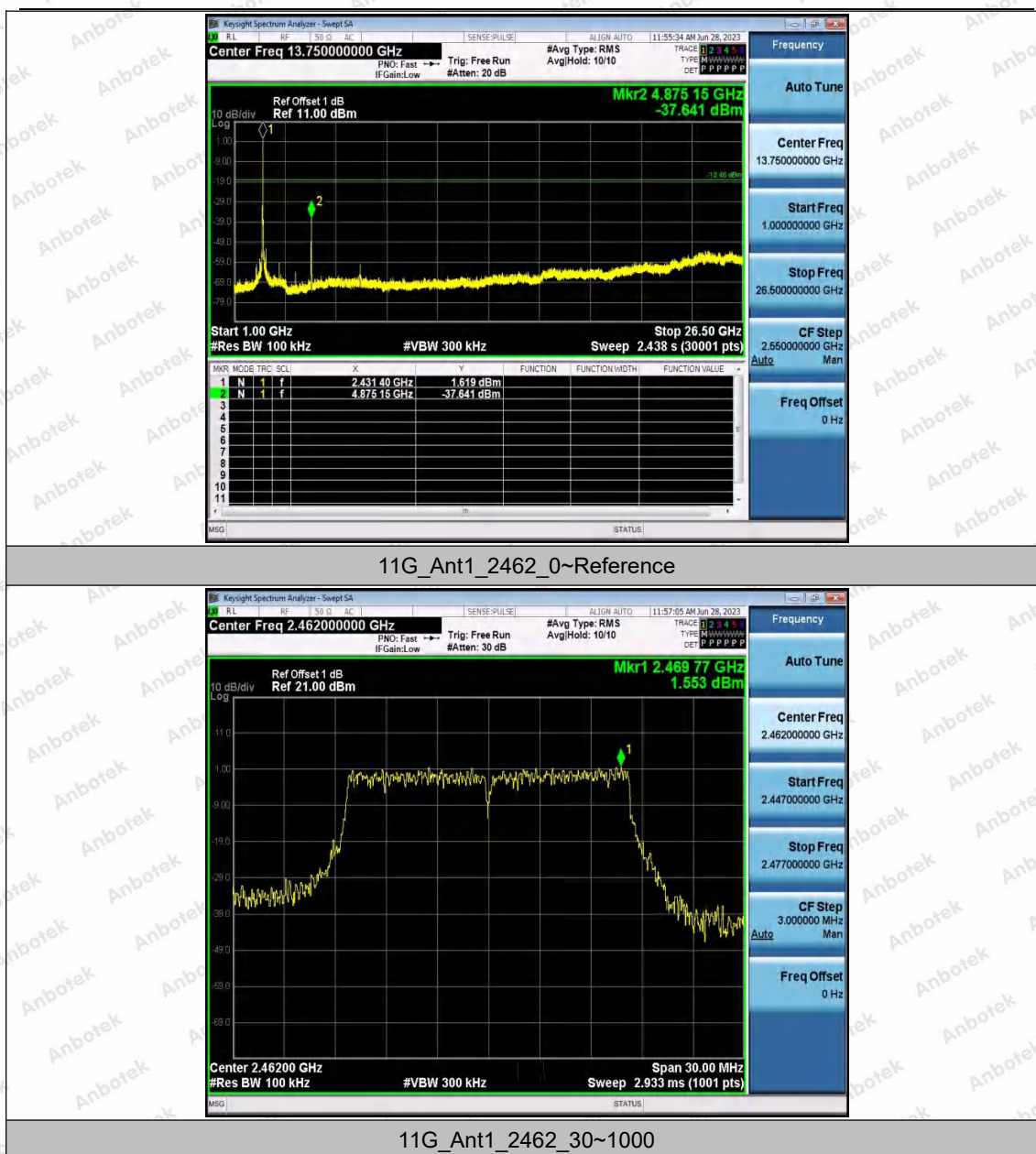
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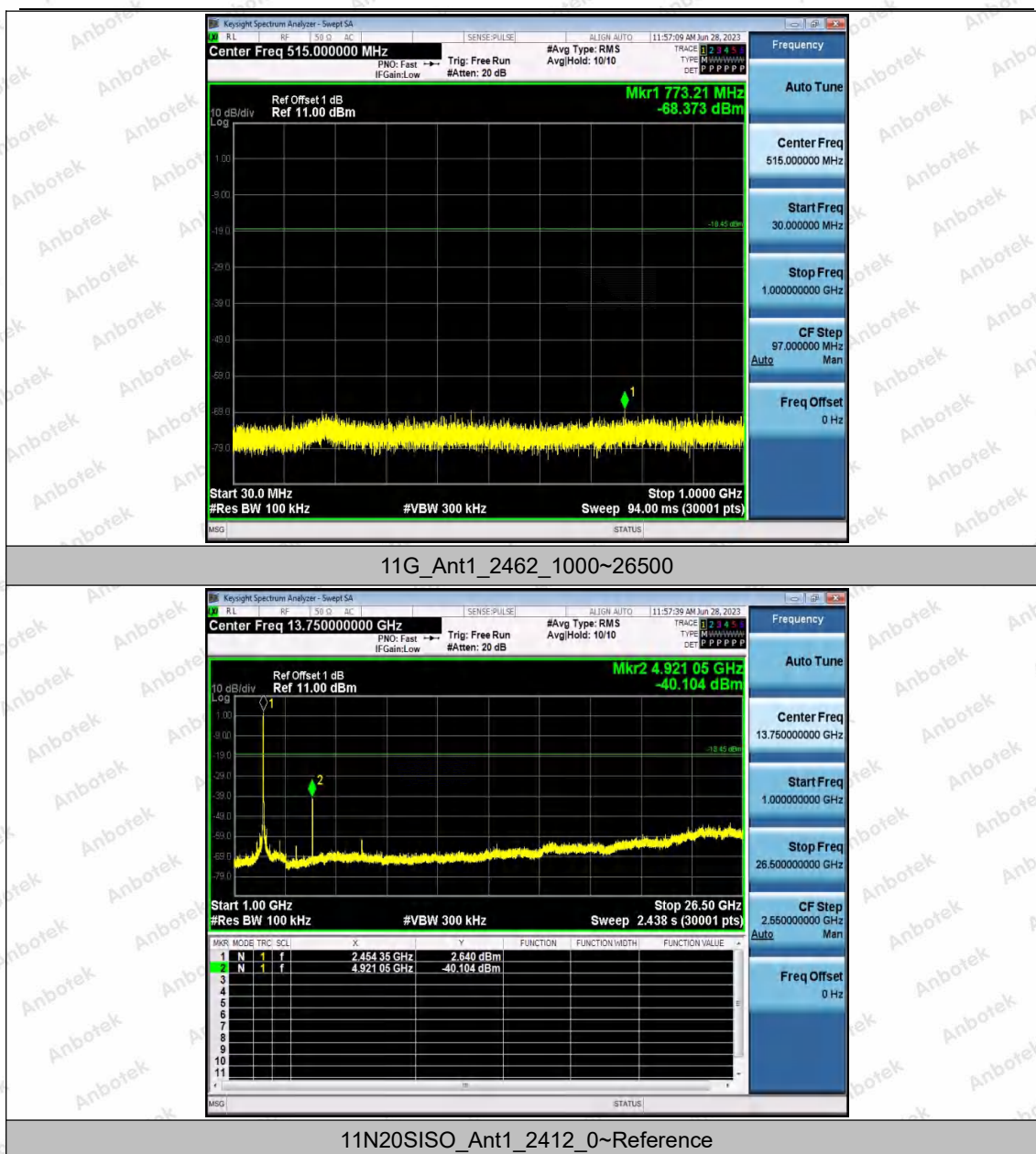
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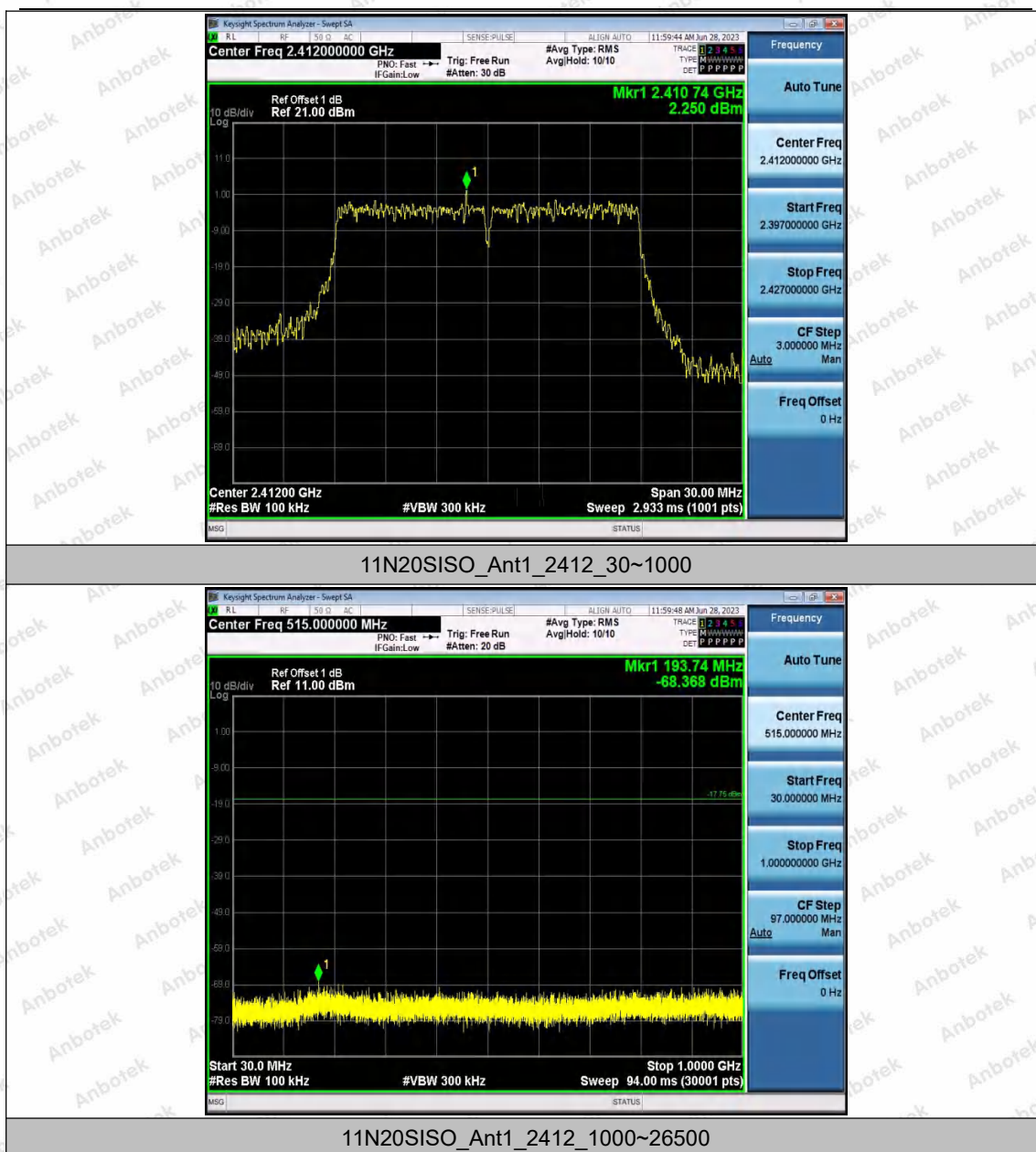
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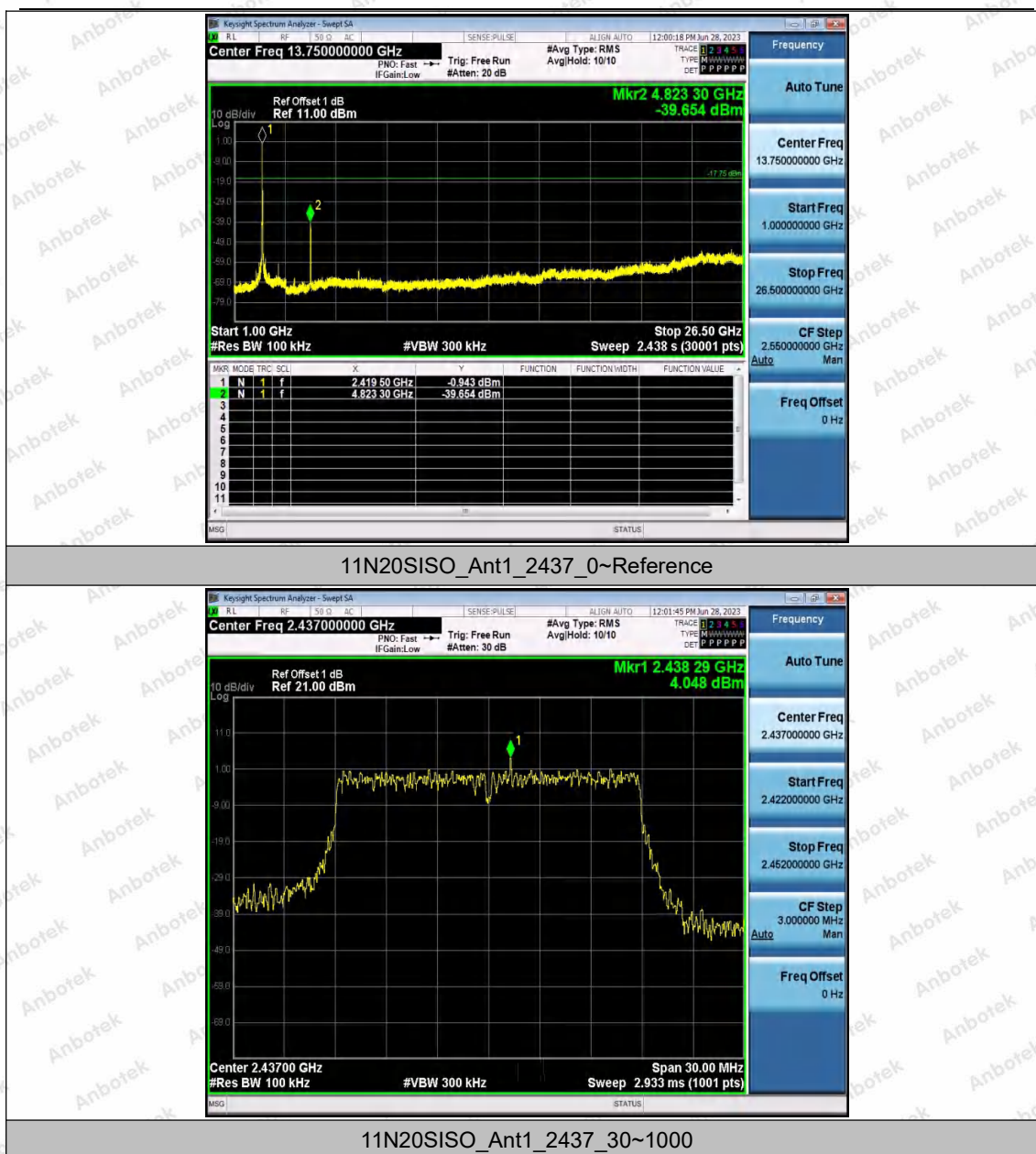
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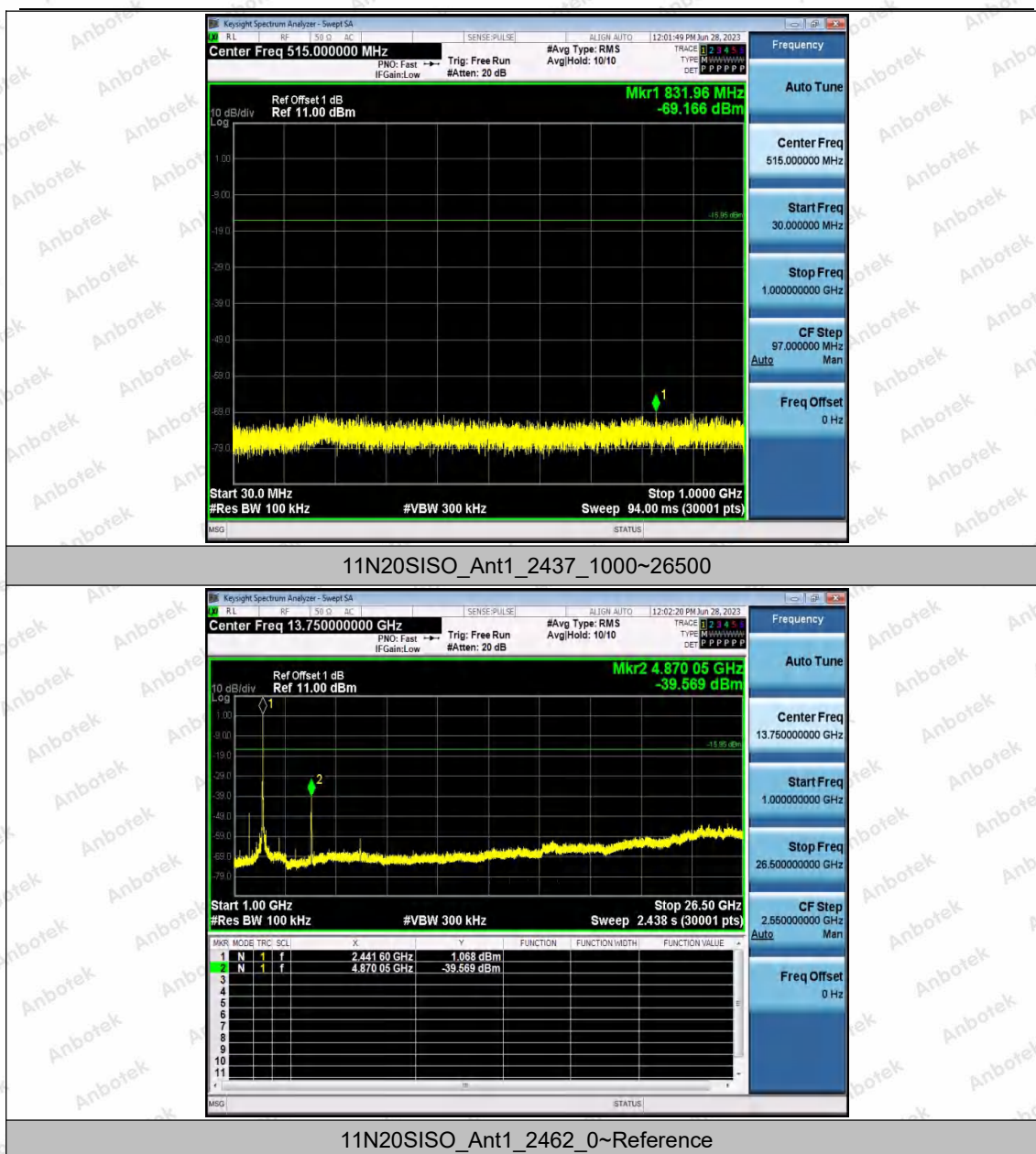
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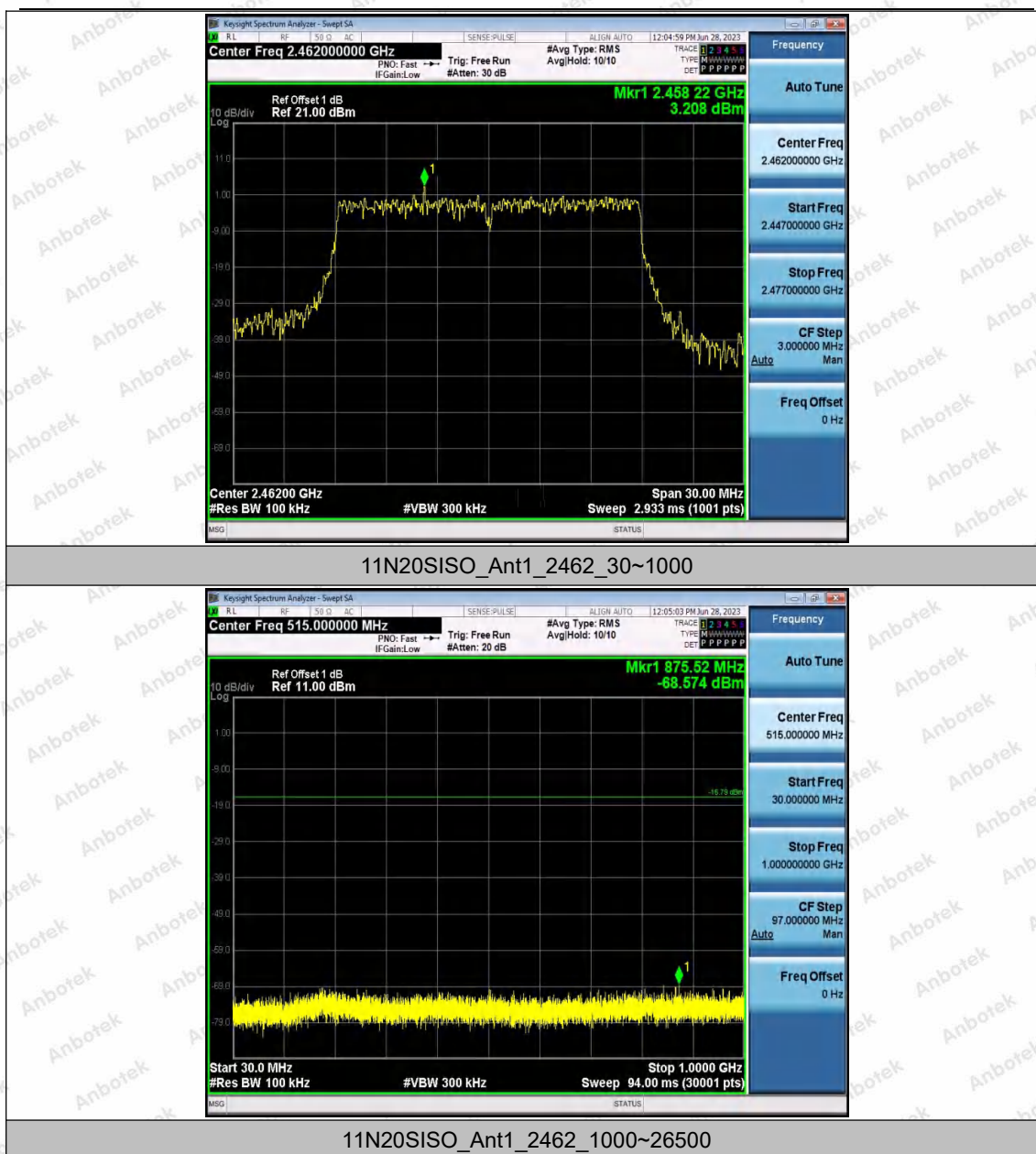
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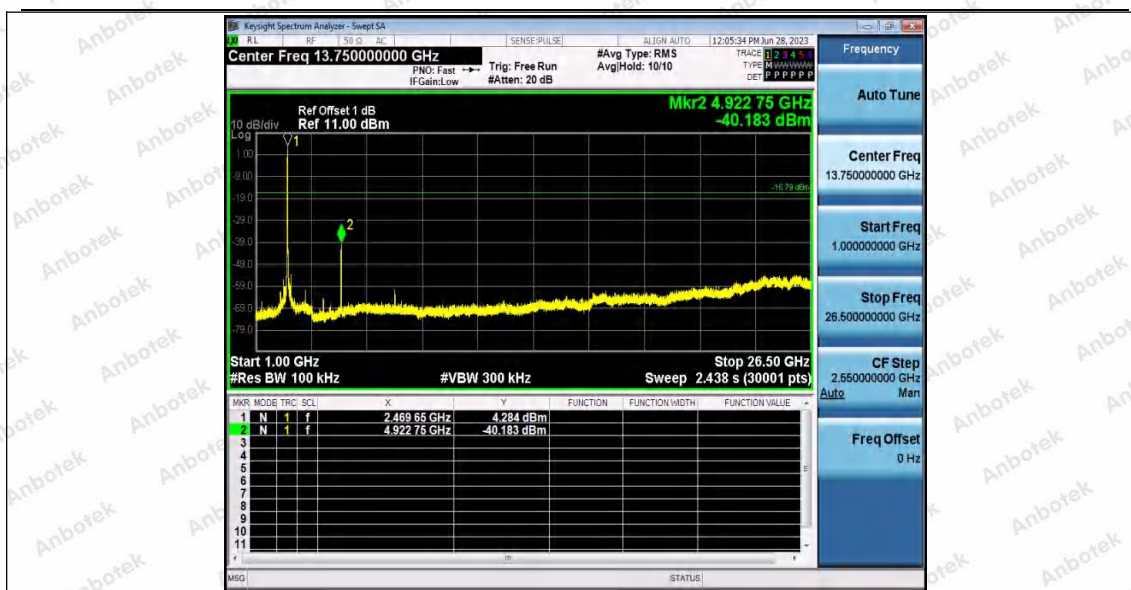
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Appendix G: Duty Cycle

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	2.76	98.91	0.05
		2437	2.72	2.76	98.55	0.06
		2462	2.72	2.76	98.55	0.06
11N20SISO	Ant1	2412	2.53	2.57	98.44	0.07
		2437	2.54	2.58	98.45	0.07
		2462	2.54	2.57	98.83	0.05



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

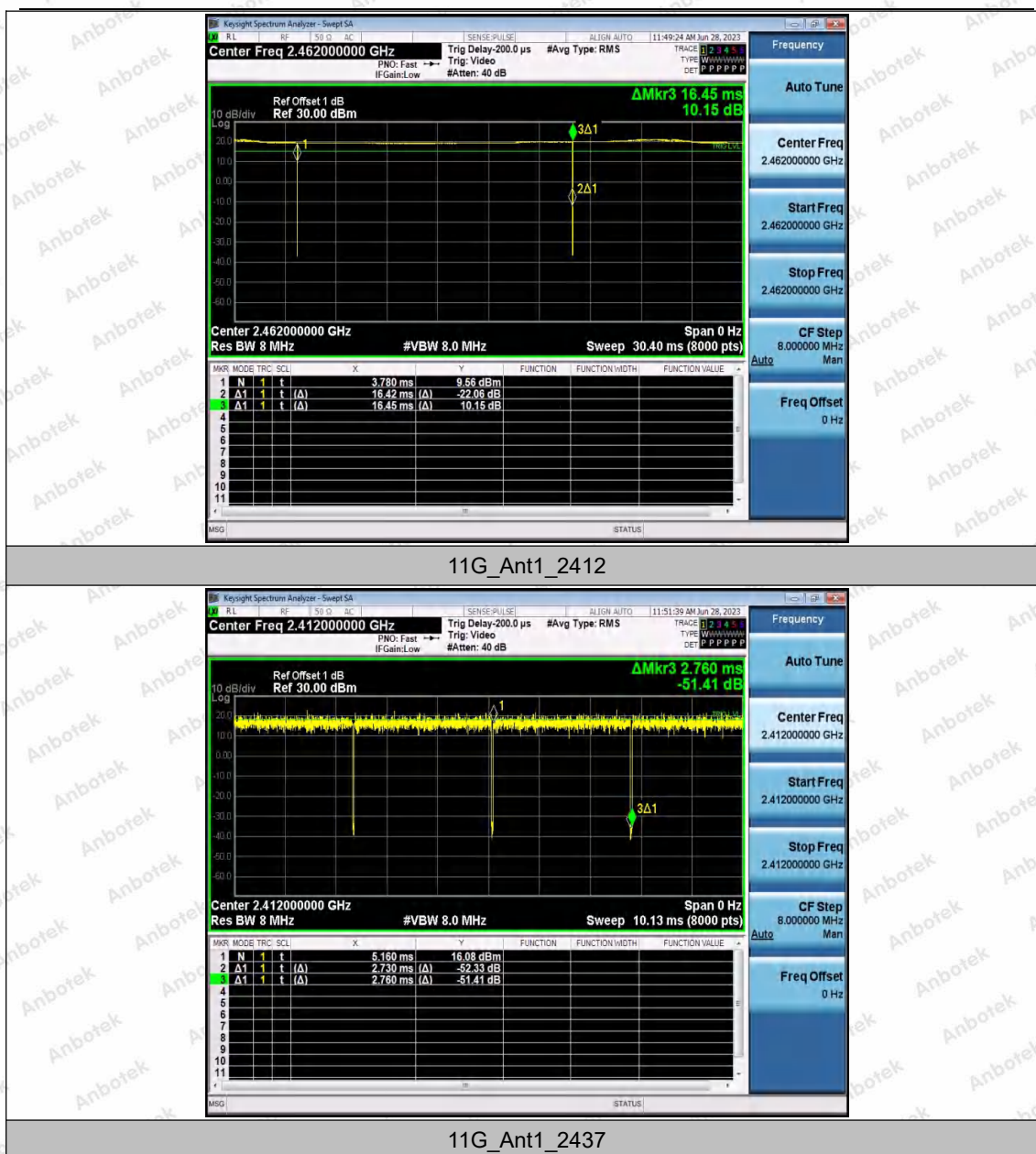
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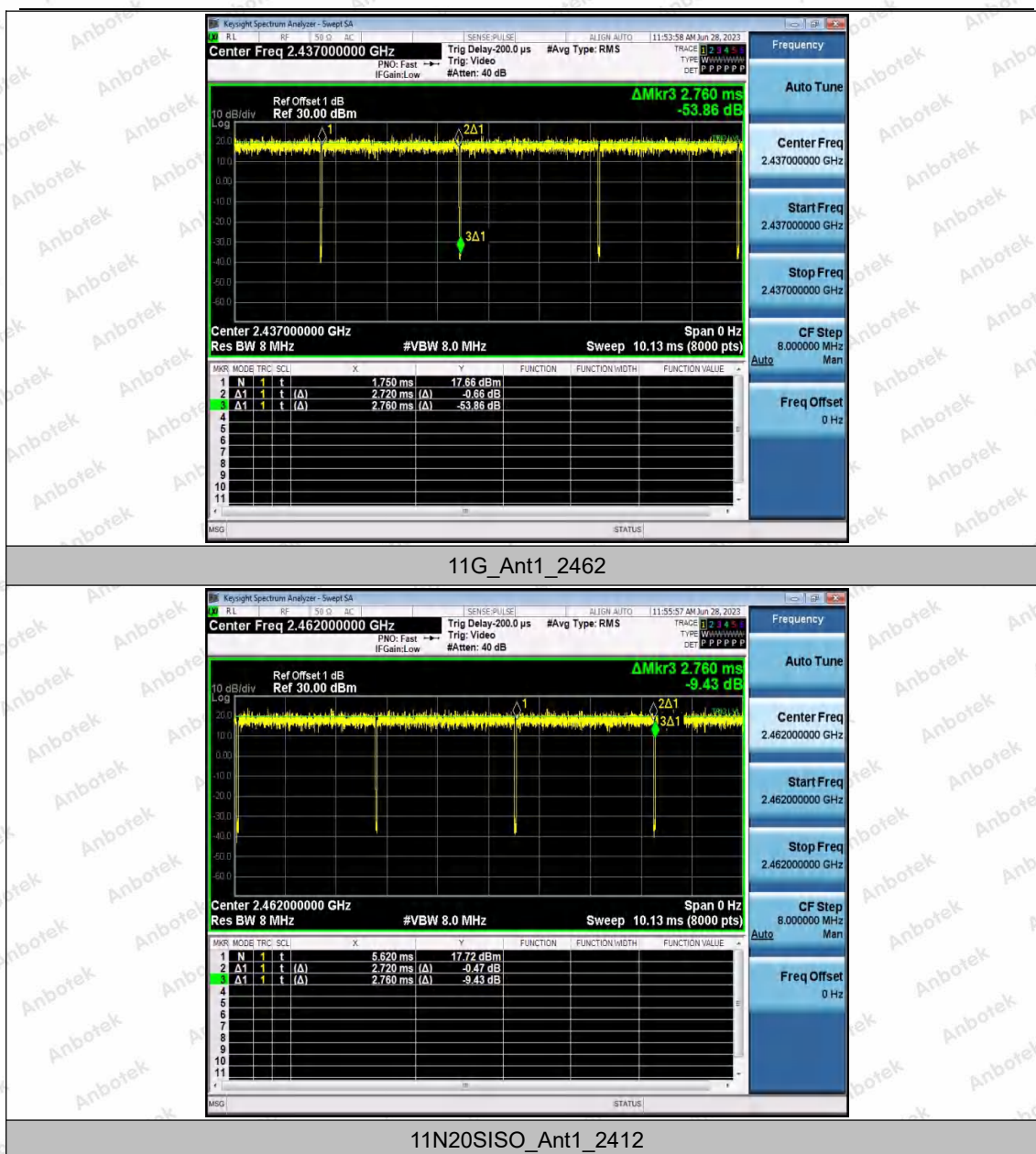
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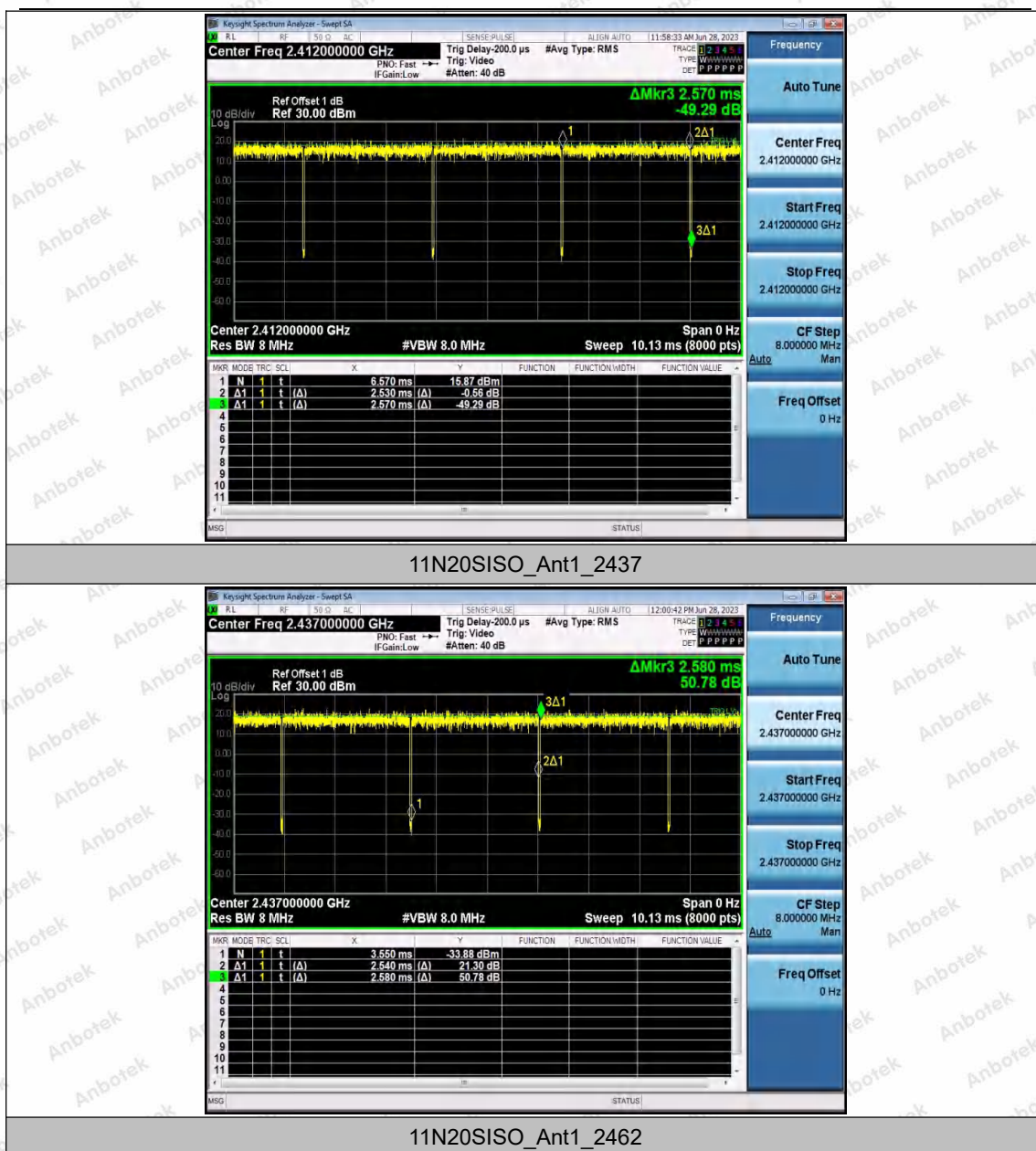
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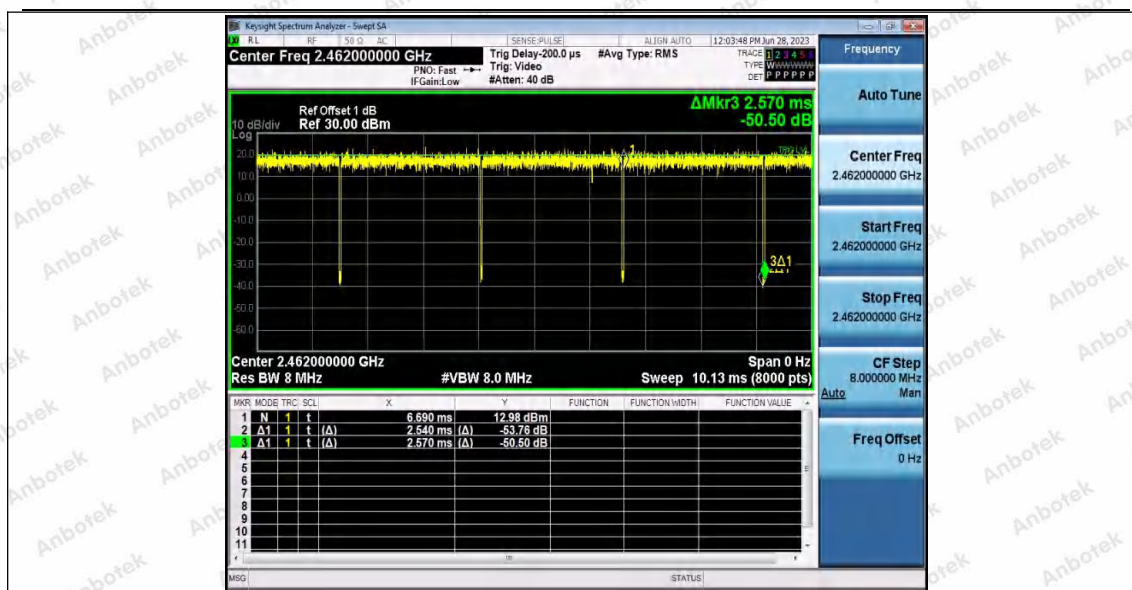
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