

Appendix Test Data

Report No.:	18220WC30115402	Test Sample No.:	1-2-2
Start Test Date:	2023.06.08	Finish Test Date:	2023.07.20
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.1°C	Relative Humidity:	51%
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	9.520	2407.000	2416.520	≥0.5	PASS
		2437	9.520	2432.040	2441.560	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.320	2403.880	2420.200	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.240	2420.520	≥0.5	PASS
		2437	17.280	2428.480	2445.760	≥0.5	PASS
		2462	17.080	2453.440	2470.520	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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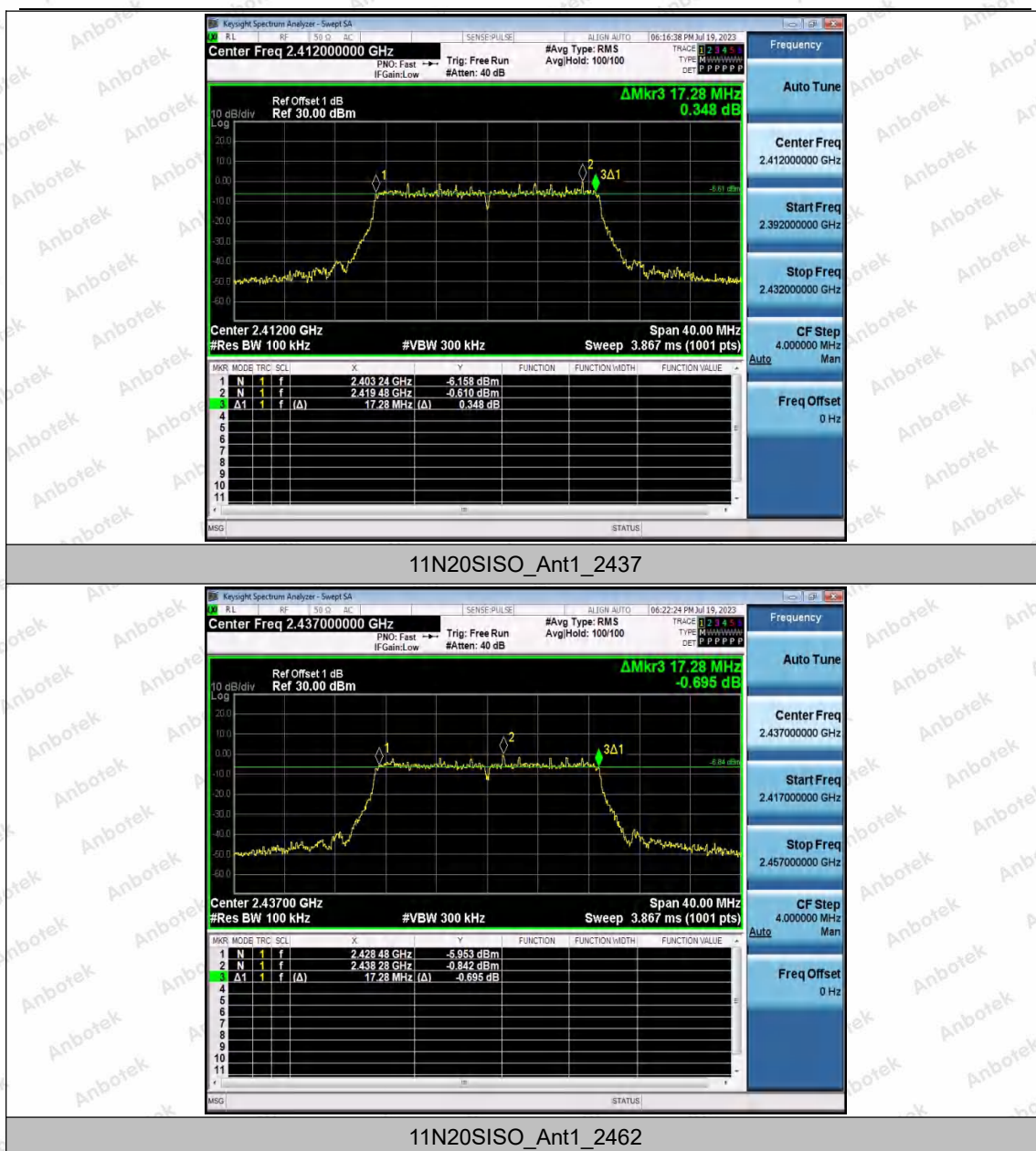


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.268	2405.3986	2418.6666	---	---
		2437	13.234	2430.4121	2443.6461	---	---
		2462	13.210	2455.4272	2468.6372	---	---
11G	Ant1	2412	16.981	2403.5345	2420.5155	---	---
		2437	17.058	2428.4413	2445.4993	---	---
		2462	17.078	2453.4879	2470.5659	---	---
11N20SISO	Ant1	2412	17.740	2403.1760	2420.9160	---	---
		2437	17.769	2428.1837	2445.9527	---	---
		2462	17.789	2453.1557	2470.9447	---	---



Test Graphs



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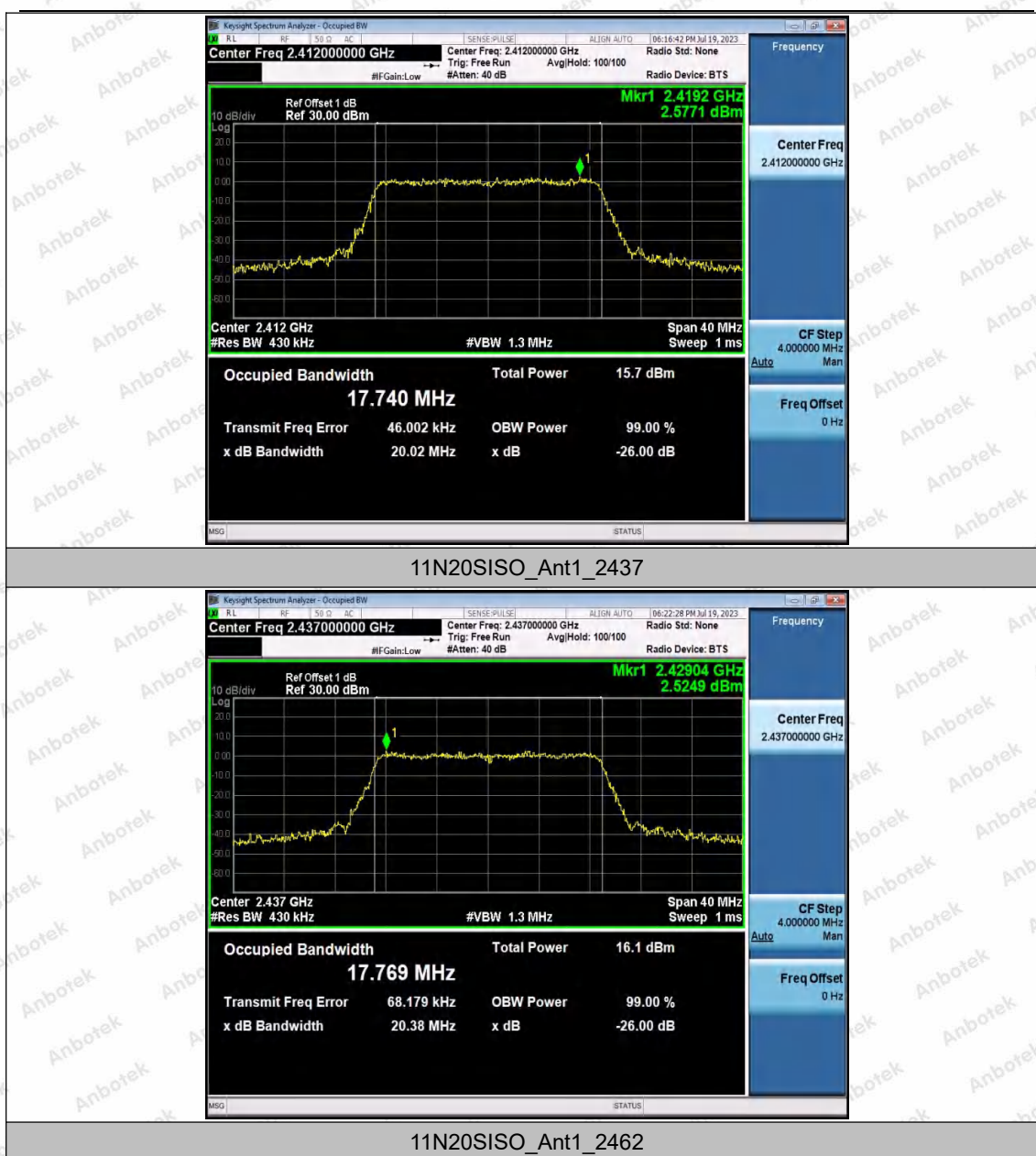
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	19.33	≤30.00
		2437	19.48	≤30.00
		2462	19.60	≤30.00
11G	Ant1	2412	17.17	≤30.00
		2437	17.35	≤30.00
		2462	17.50	≤30.00
11N20SISO	Ant1	2412	17.10	≤30.00
		2437	17.47	≤30.00
		2462	17.63	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.75	≤8.00	PASS
		2437	-6.06	≤8.00	PASS
		2462	-5.98	≤8.00	PASS
11G	Ant1	2412	-15.71	≤8.00	PASS
		2437	-15.17	≤8.00	PASS
		2462	-14.90	≤8.00	PASS
11N20SISO	Ant1	2412	-15.51	≤8.00	PASS
		2437	-15.46	≤8.00	PASS
		2462	-15.04	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

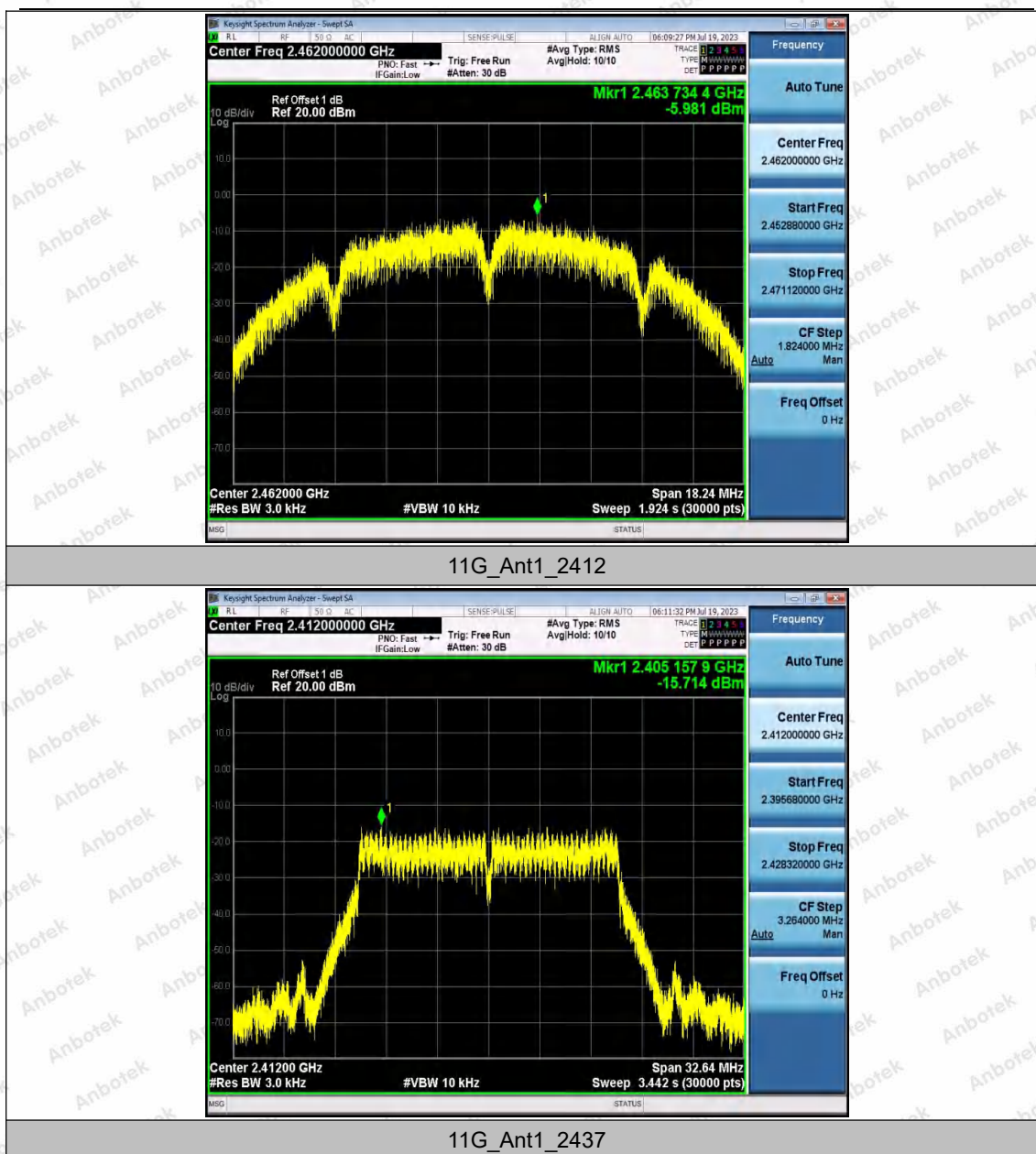
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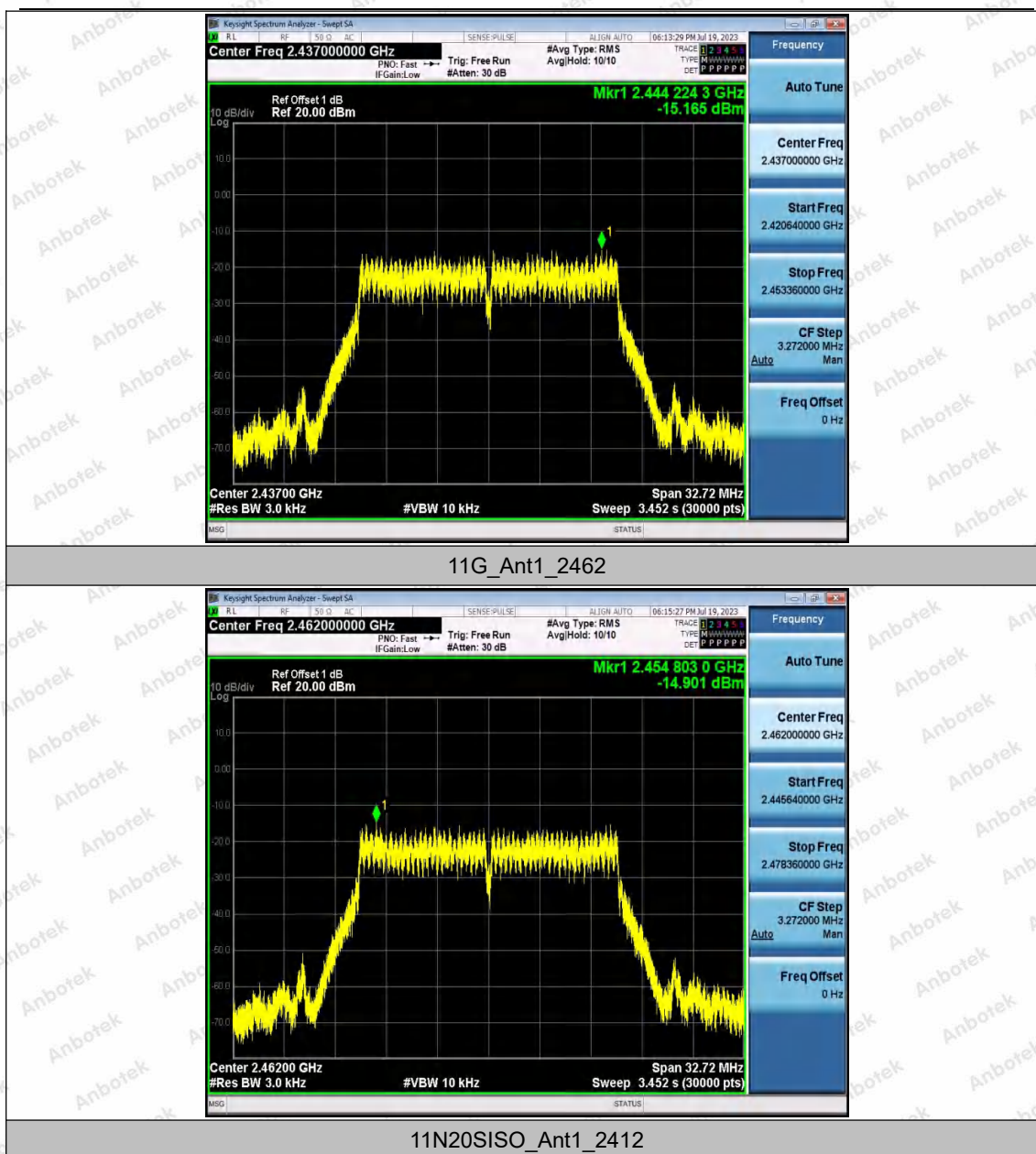
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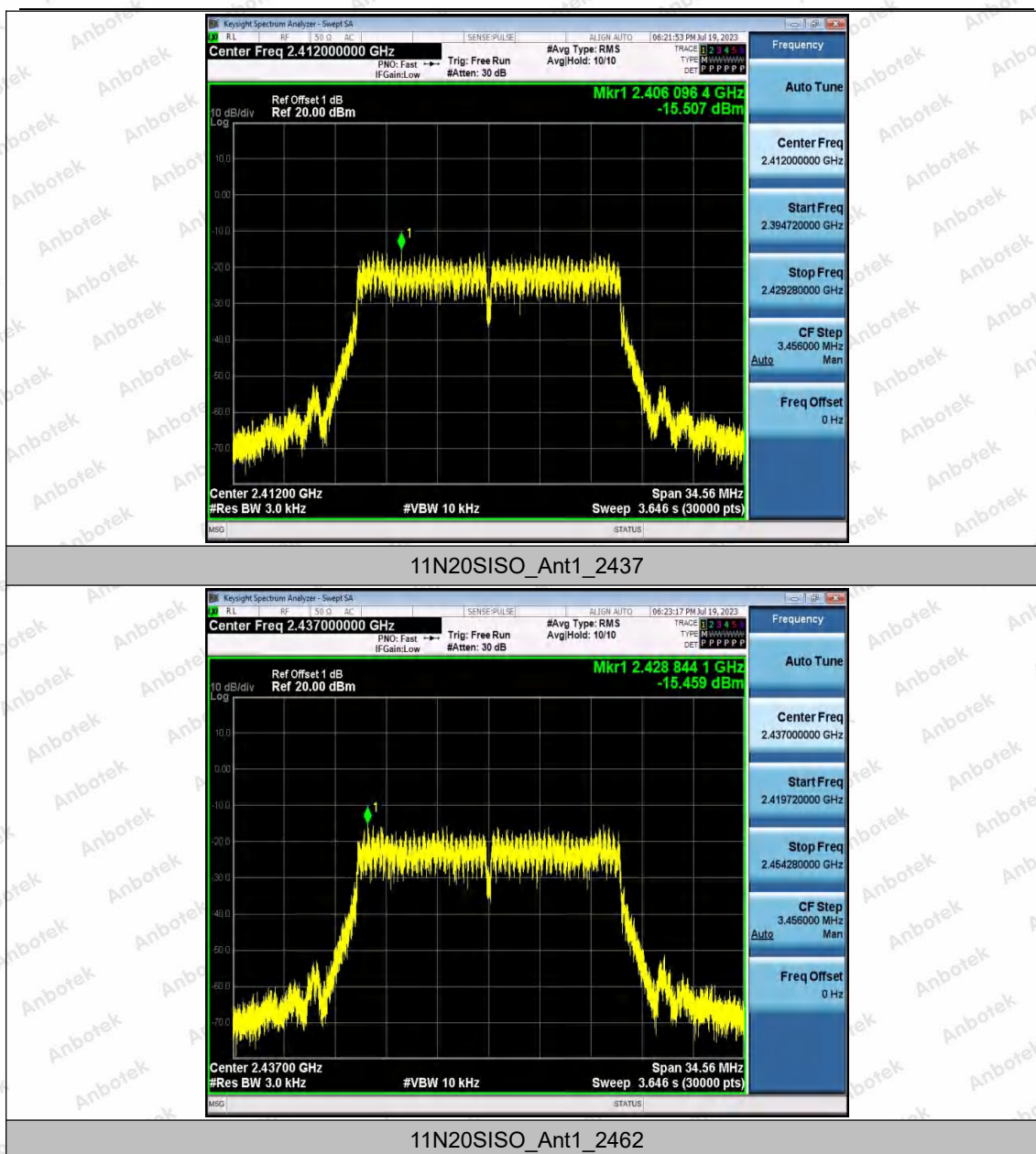
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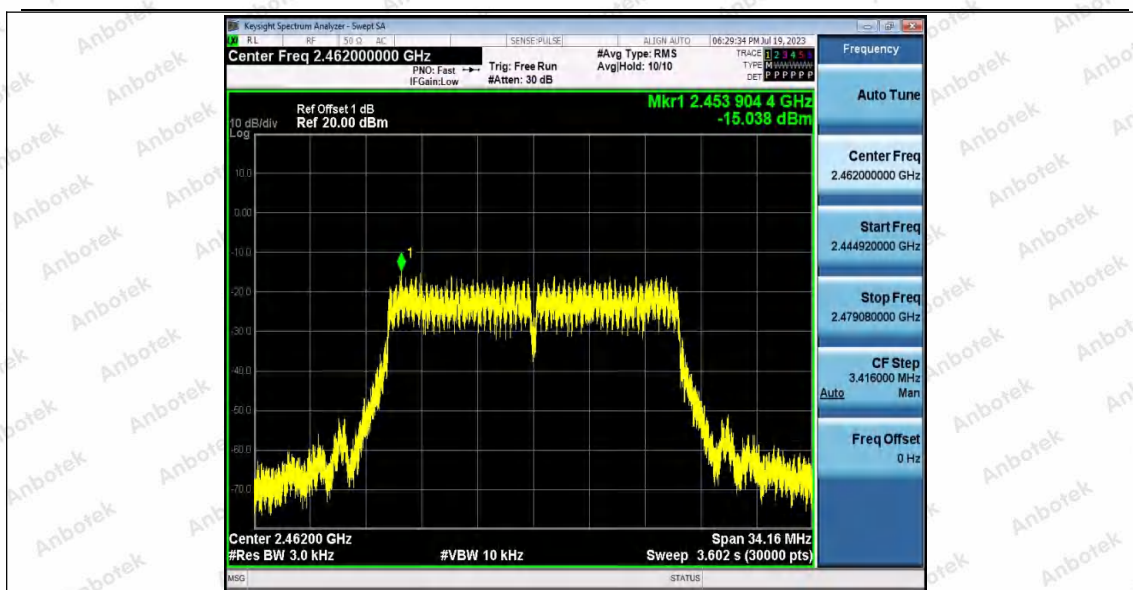
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Appendix E: Band edge measurements

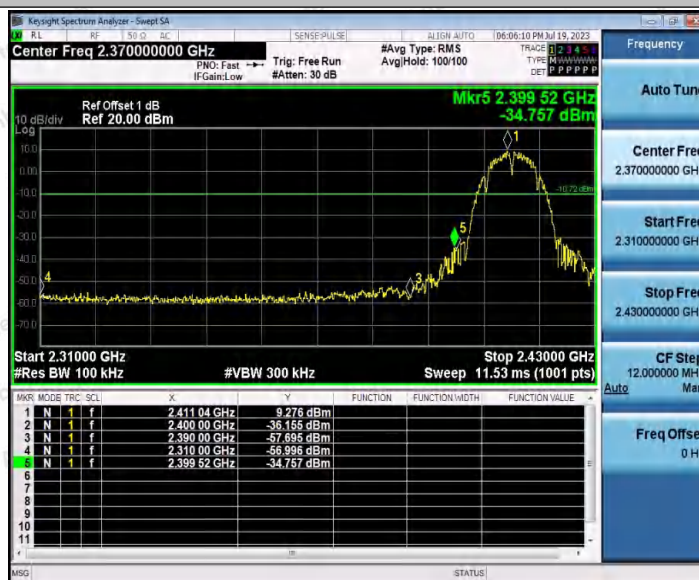
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.28	-34.76	≤-10.72	PASS
		High	2462	9.21	-51.45	≤-10.79	PASS
11G	Ant1	Low	2412	-0.85	-40.9	≤-20.85	PASS
		High	2462	-0.10	-49.06	≤-20.1	PASS
11N20SISO	Ant1	Low	2412	-0.80	-42.43	≤-20.8	PASS
		High	2462	-1.38	-52.04	≤-21.38	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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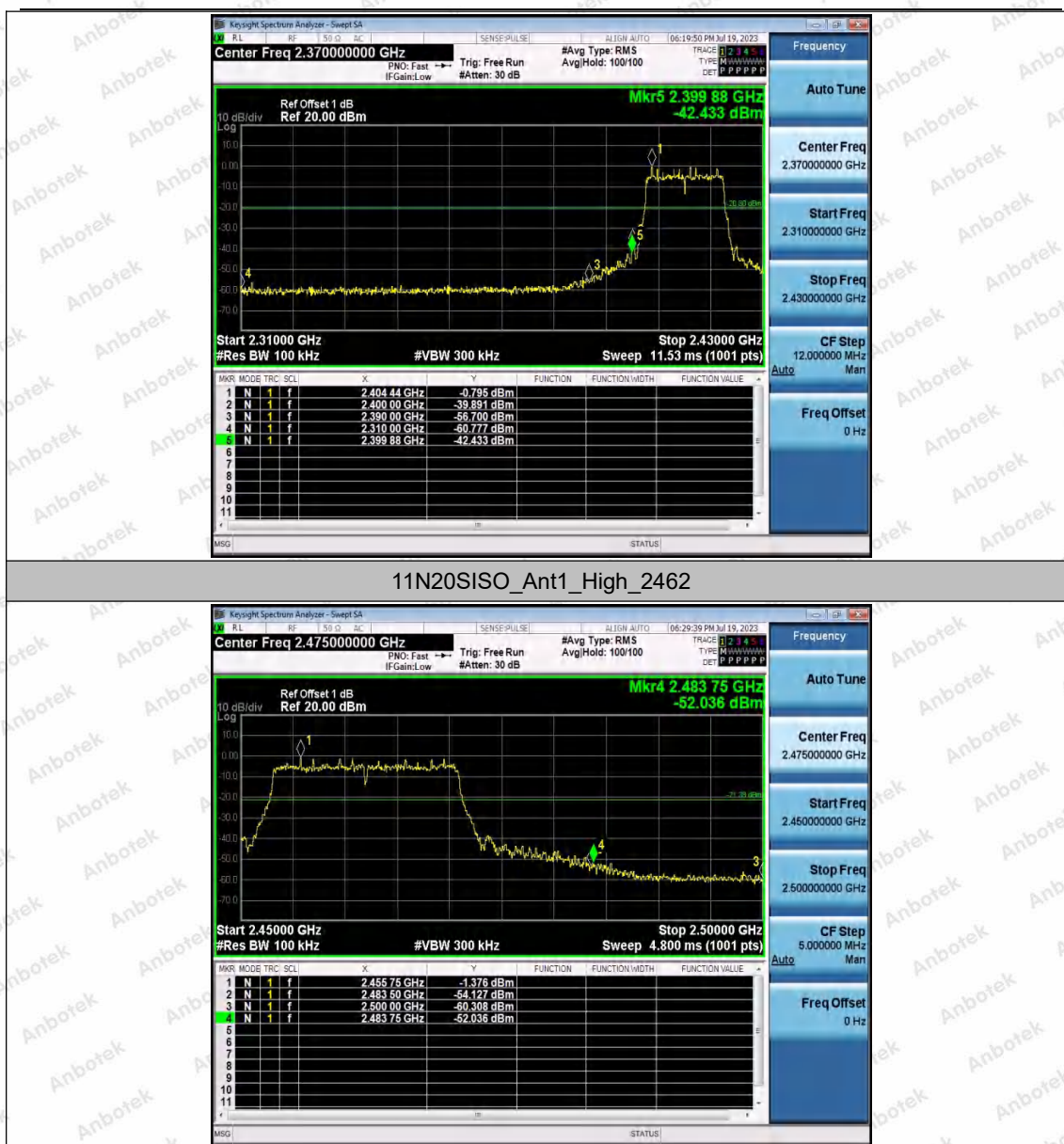
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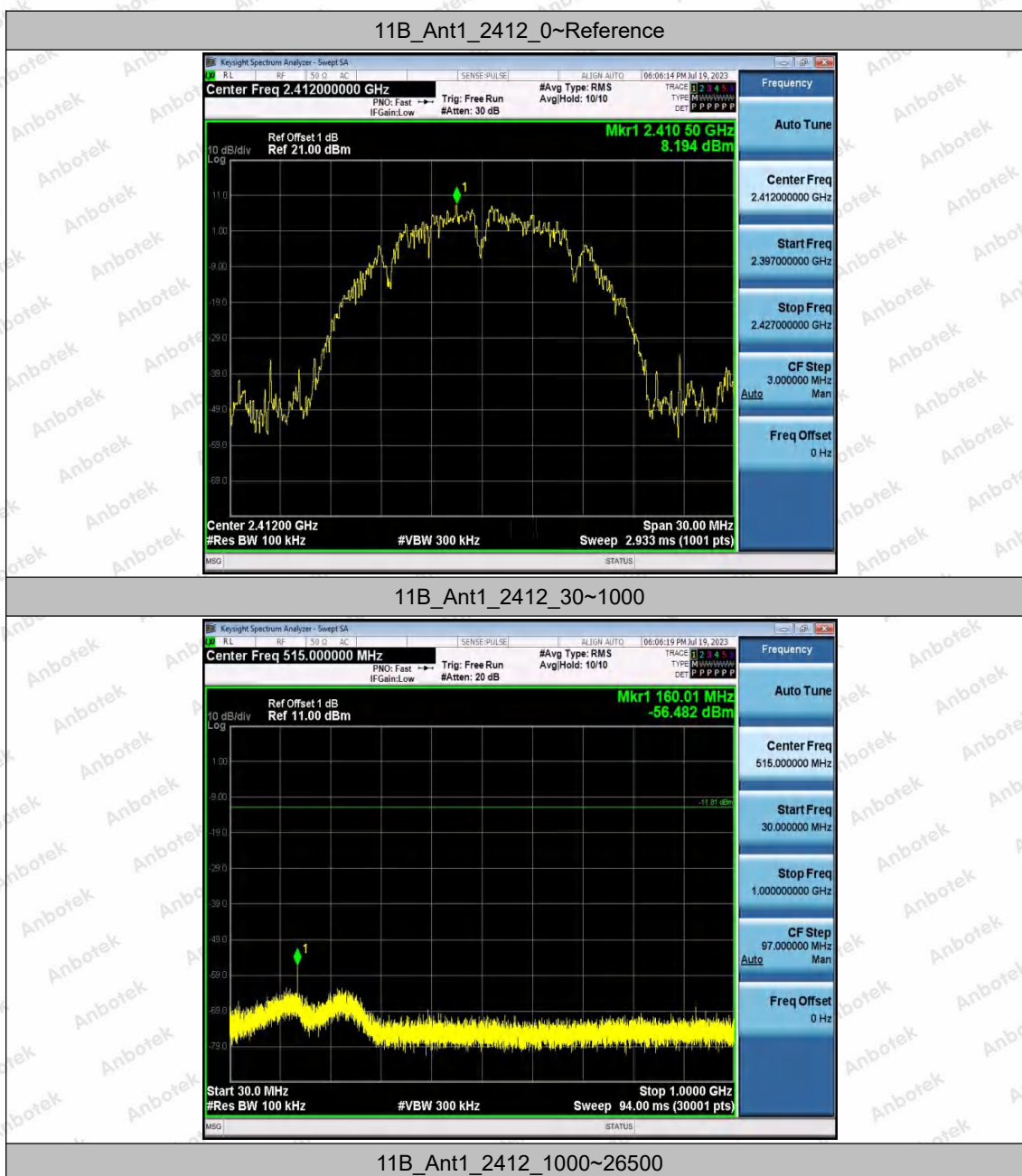
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.19	8.19	---	PASS
			30~1000	8.19	-56.48	≤-11.81	PASS
			1000~26500	8.19	-39.43	≤-11.81	PASS
		2437	Reference	7.51	7.51	---	PASS
			30~1000	7.51	-57.66	≤-12.49	PASS
			1000~26500	7.51	-38.83	≤-12.49	PASS
		2462	Reference	7.54	7.54	---	PASS
			30~1000	7.54	-58.85	≤-12.46	PASS
			1000~26500	7.54	-38.31	≤-12.46	PASS
11G	Ant1	2412	Reference	-1.64	-1.64	---	PASS
			30~1000	-1.64	-57.27	≤-21.64	PASS
			1000~26500	-1.64	-52.99	≤-21.64	PASS
		2437	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-55.89	≤-21.29	PASS
			1000~26500	-1.29	-53.36	≤-21.29	PASS
		2462	Reference	-4.15	-4.15	---	PASS
			30~1000	-4.15	-57.49	≤-24.15	PASS
			1000~26500	-4.15	-53.5	≤-24.15	PASS
11N20SISO	Ant1	2412	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-55.68	≤-21.33	PASS
			1000~26500	-1.33	-53.6	≤-21.33	PASS
		2437	Reference	-3.53	-3.53	---	PASS
			30~1000	-3.53	-57.37	≤-23.53	PASS
			1000~26500	-3.53	-53.31	≤-23.53	PASS
		2462	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-58.03	≤-23.78	PASS
			1000~26500	-3.78	-53.26	≤-23.78	PASS



Test Graphs



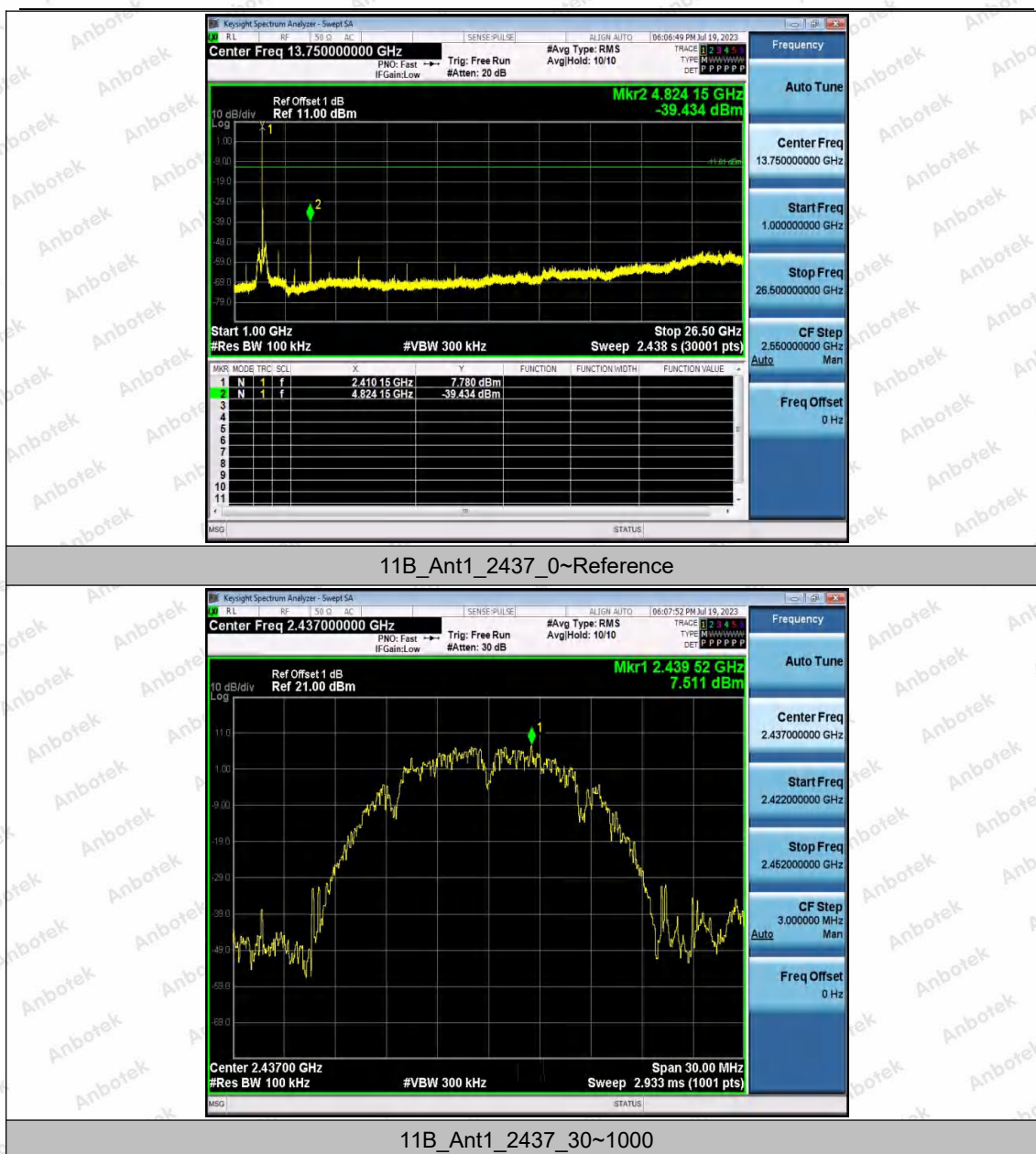
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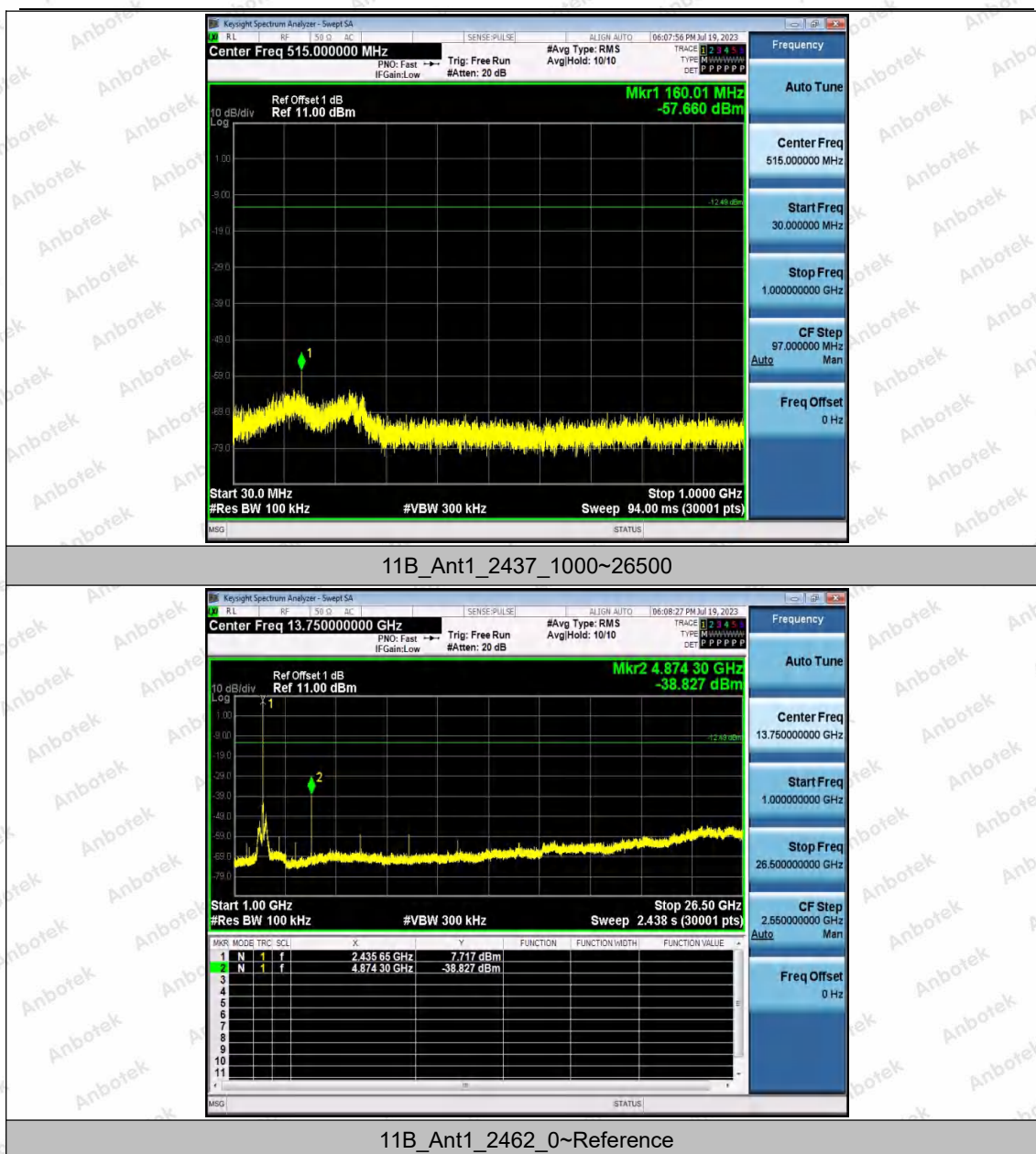
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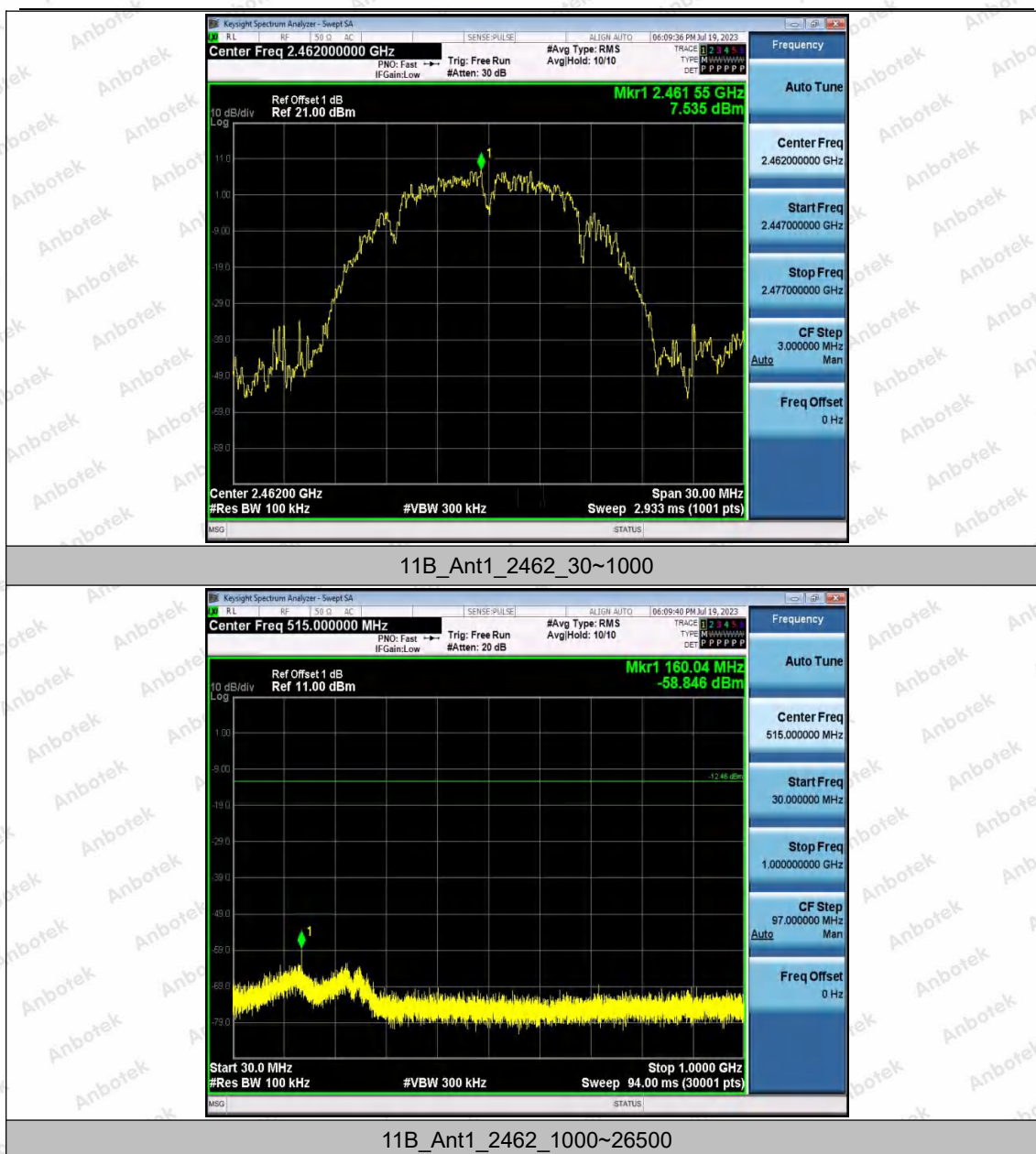
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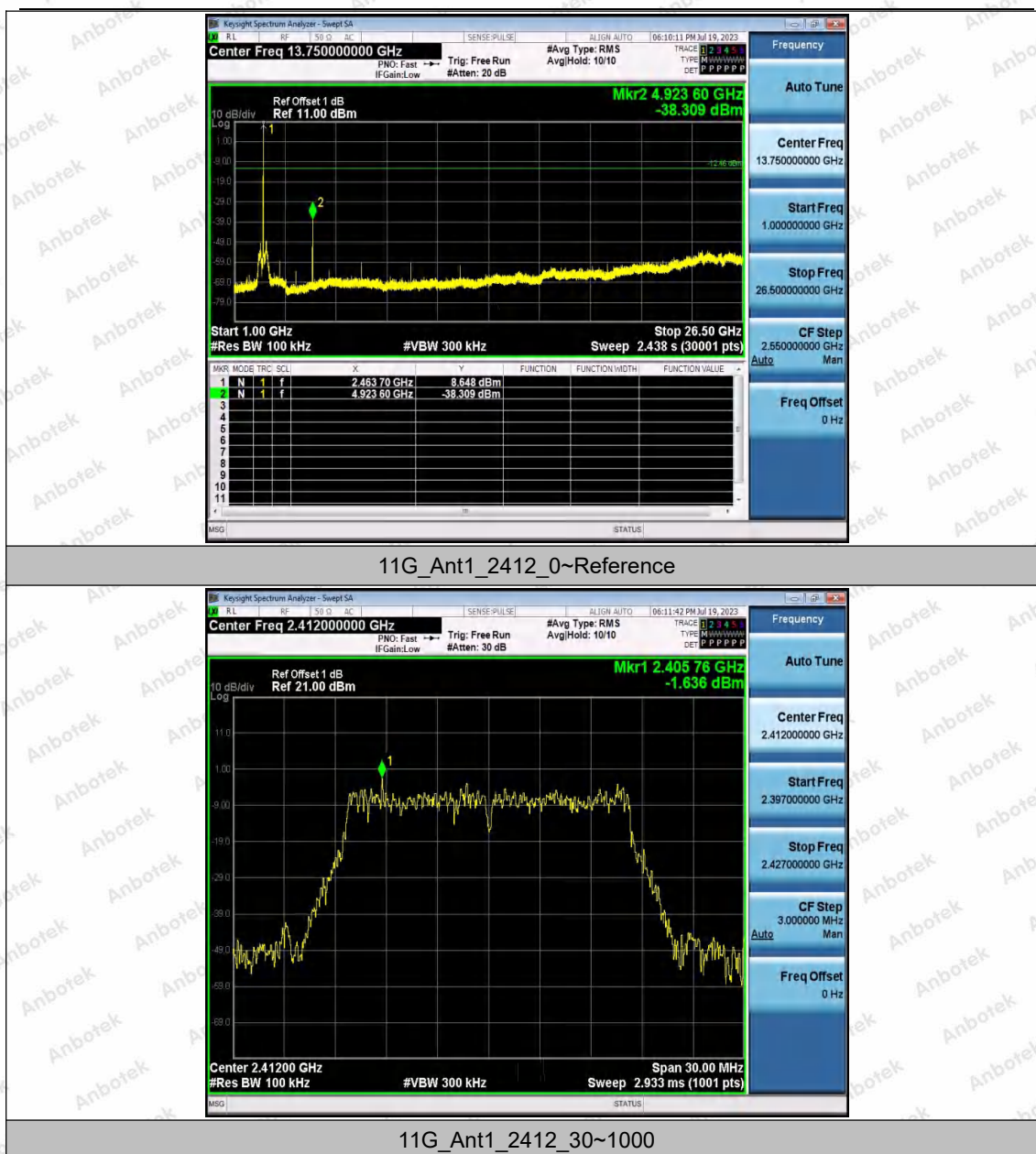
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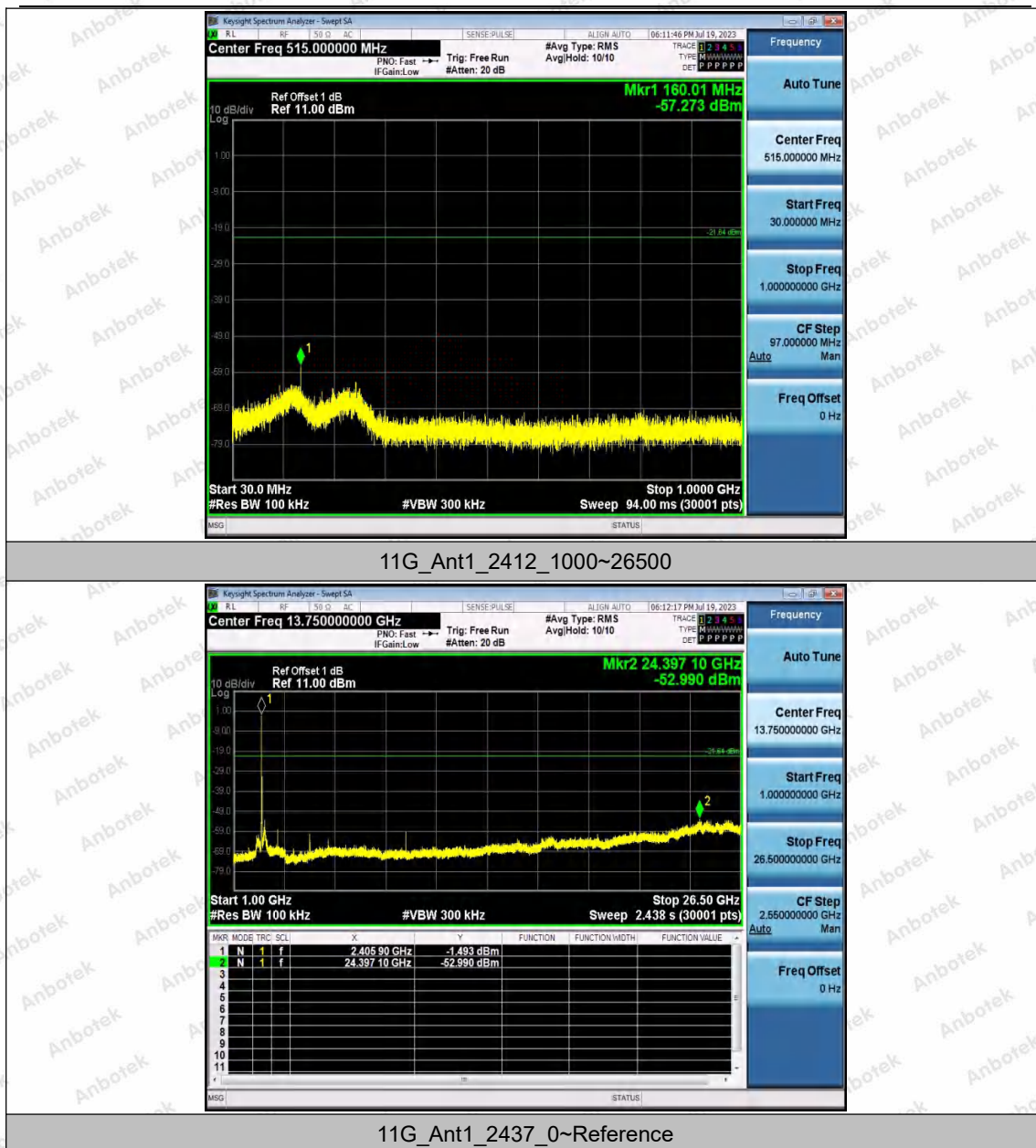
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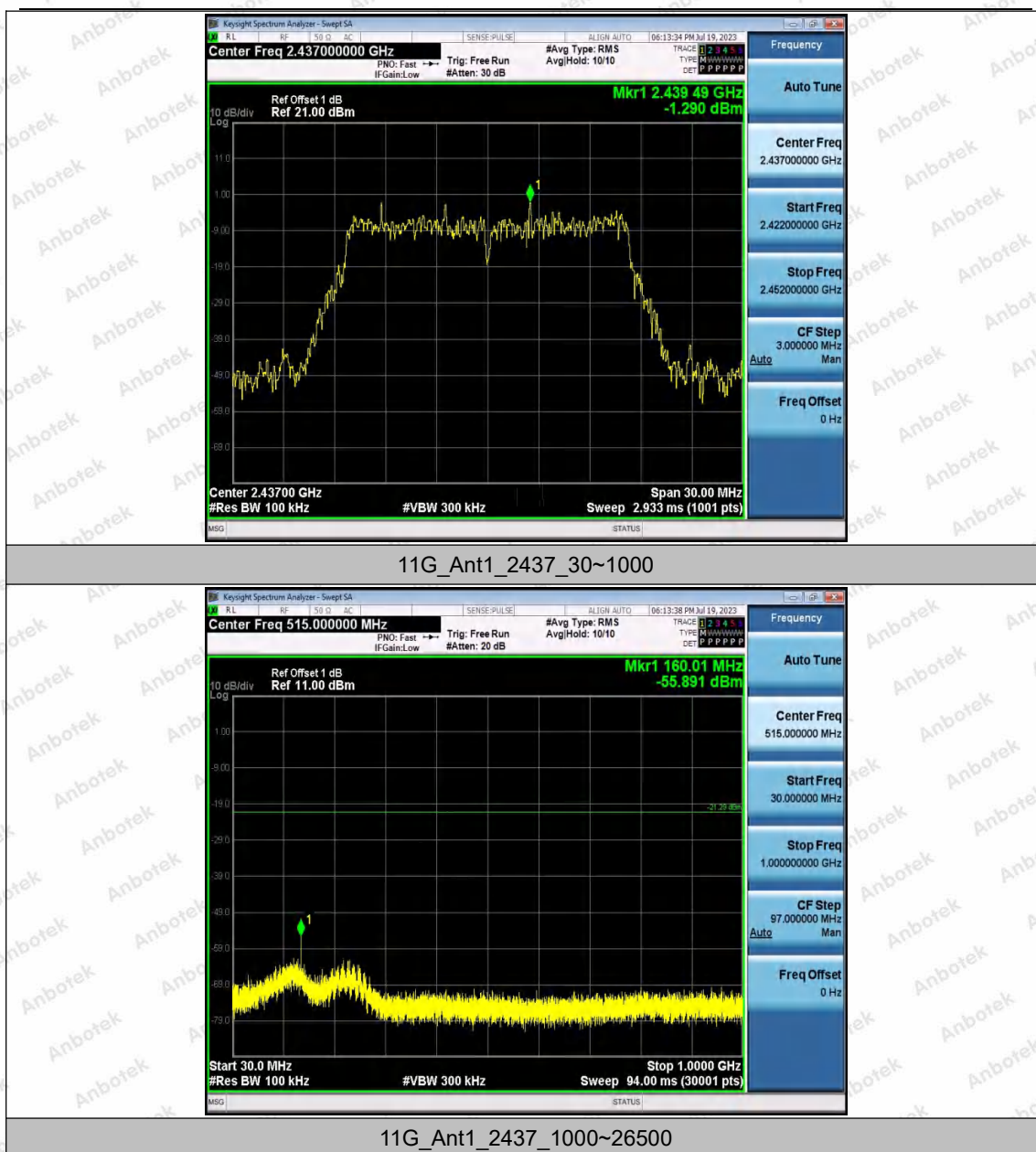
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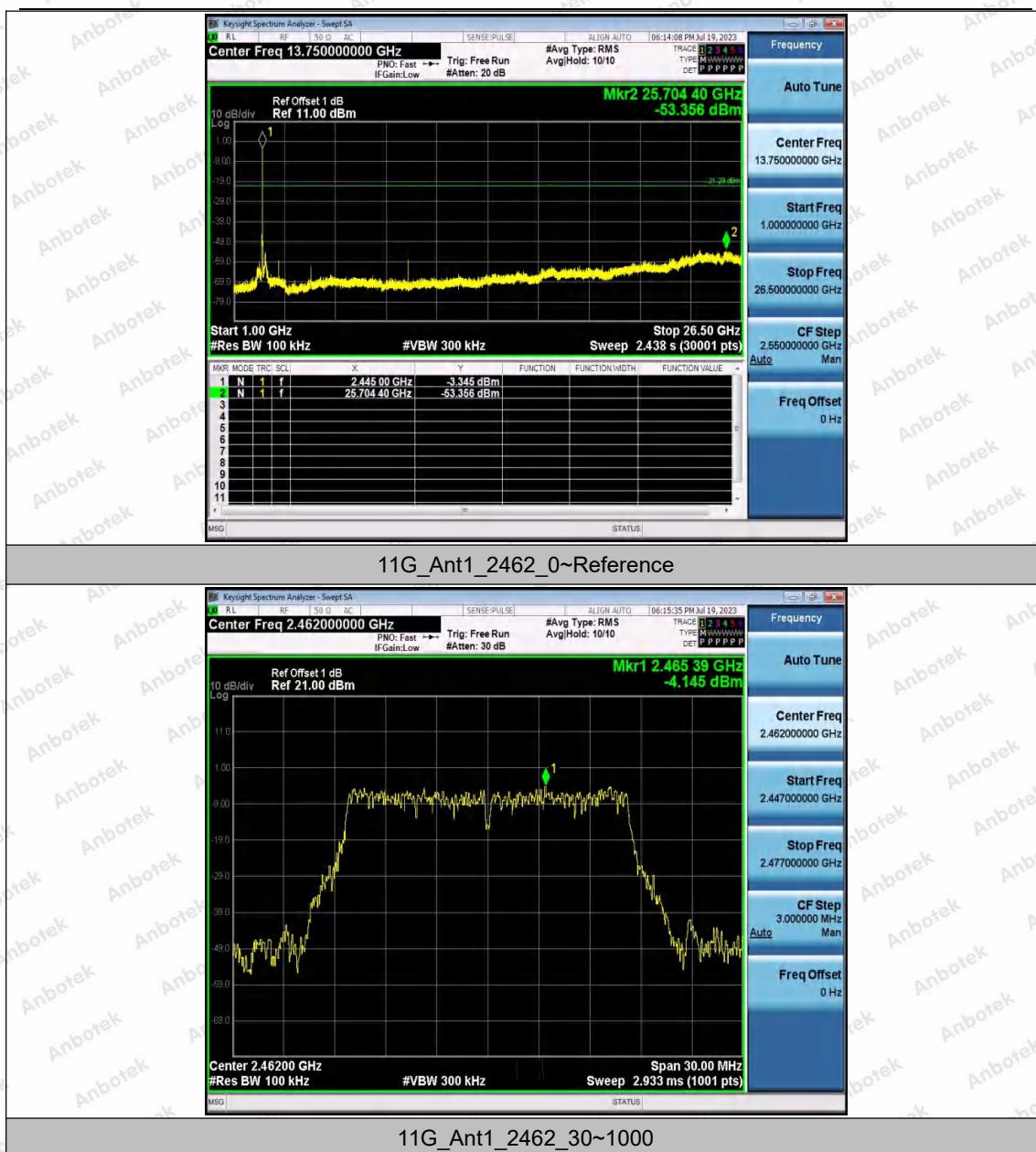
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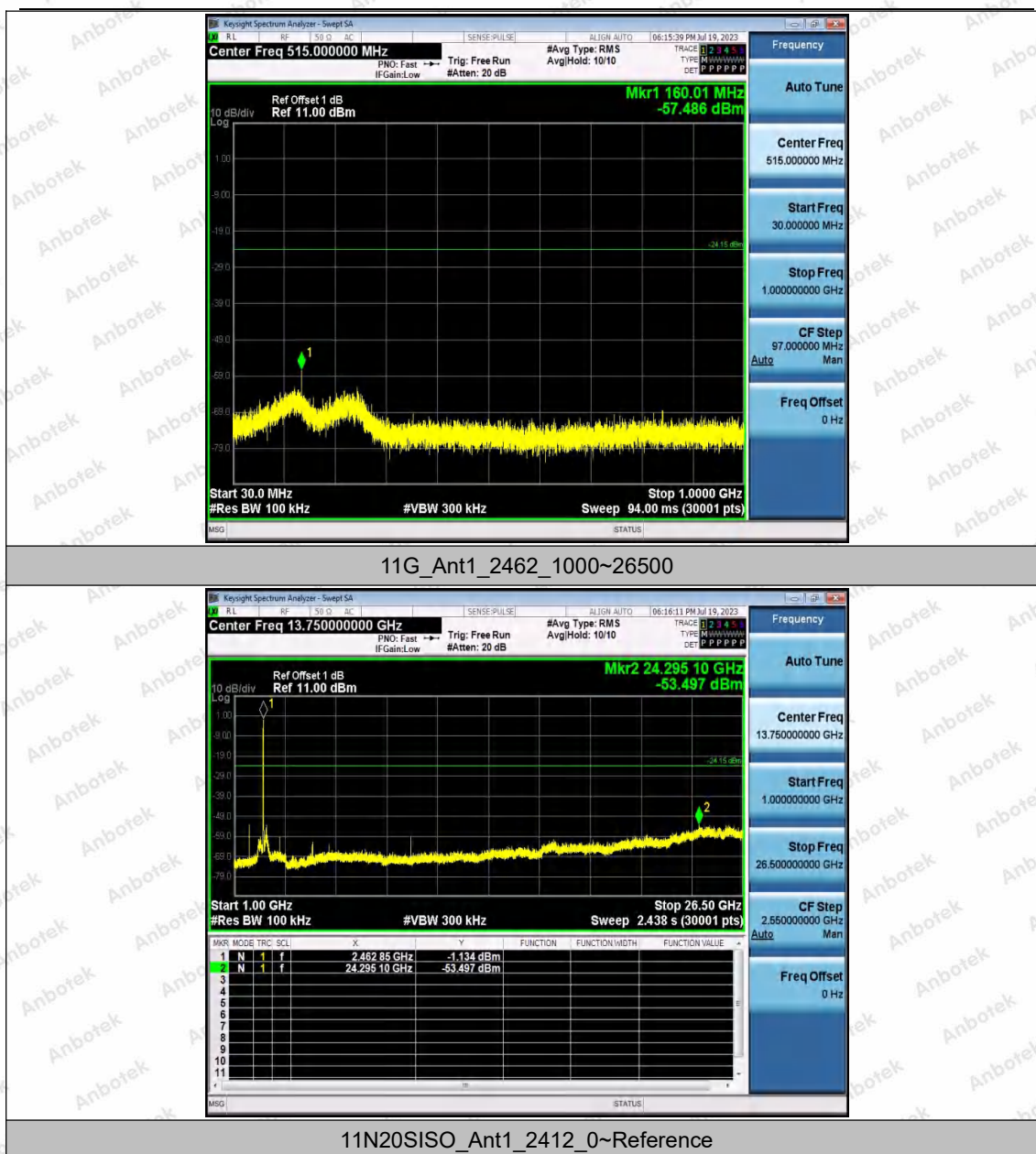
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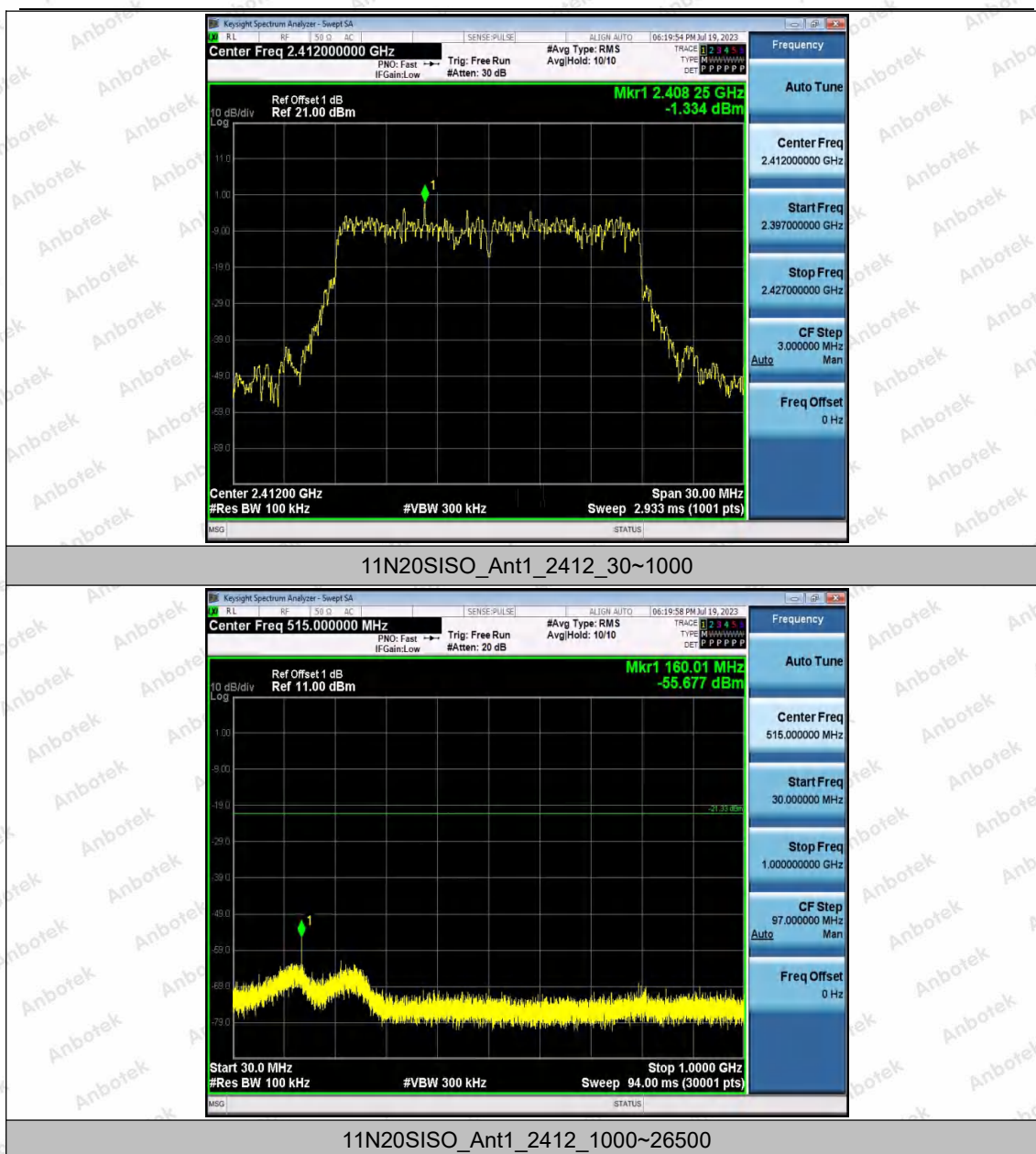
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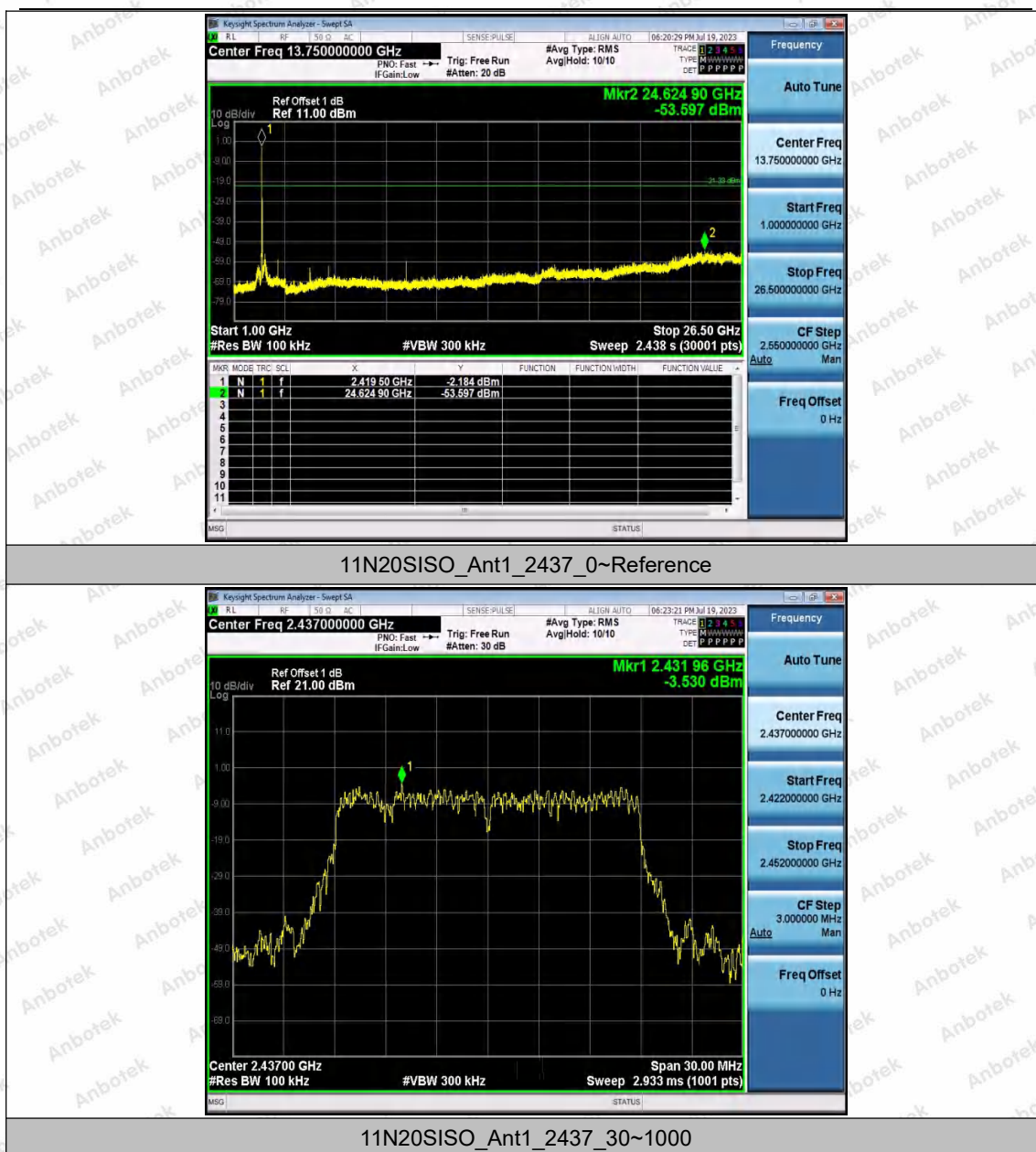
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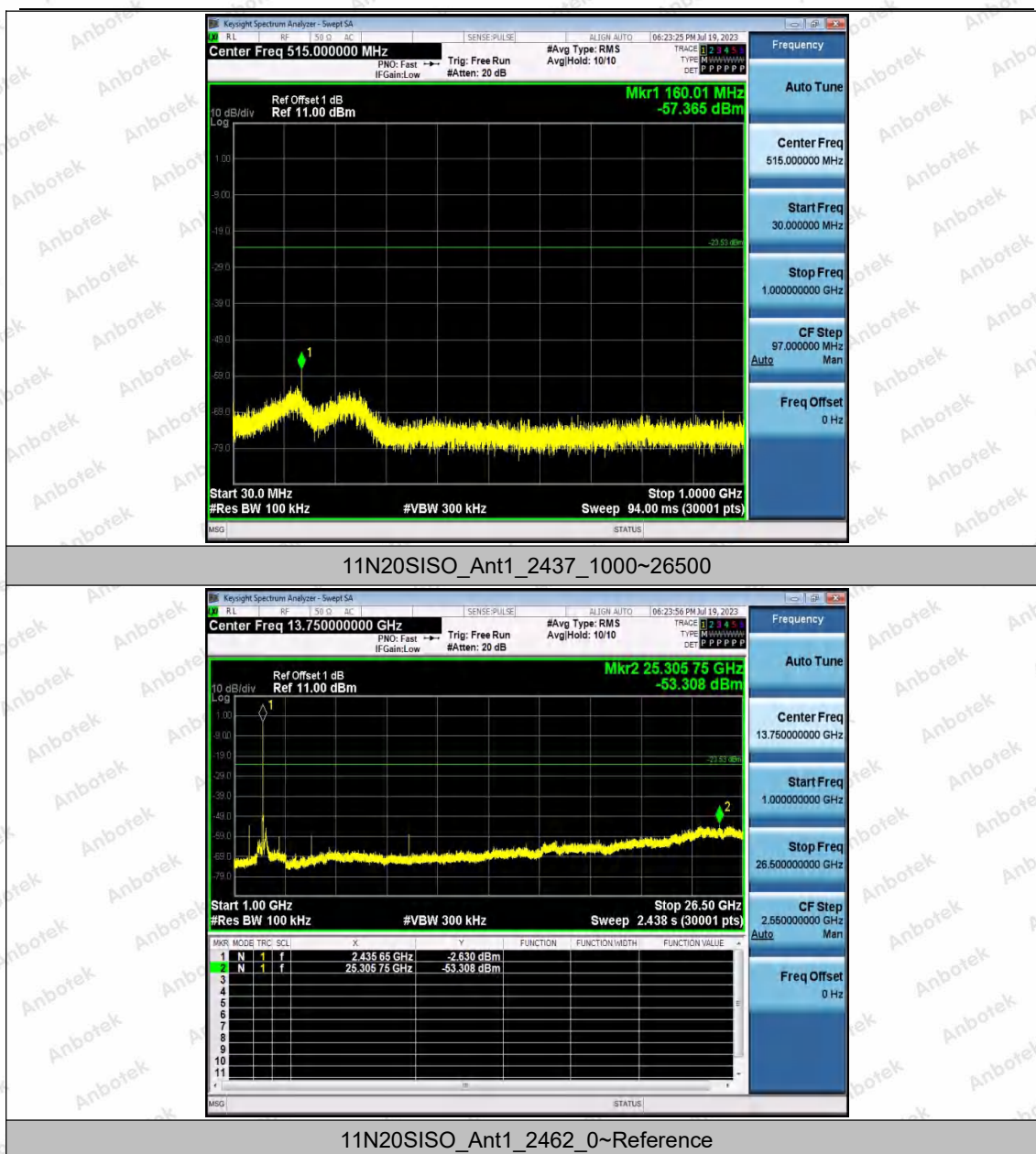
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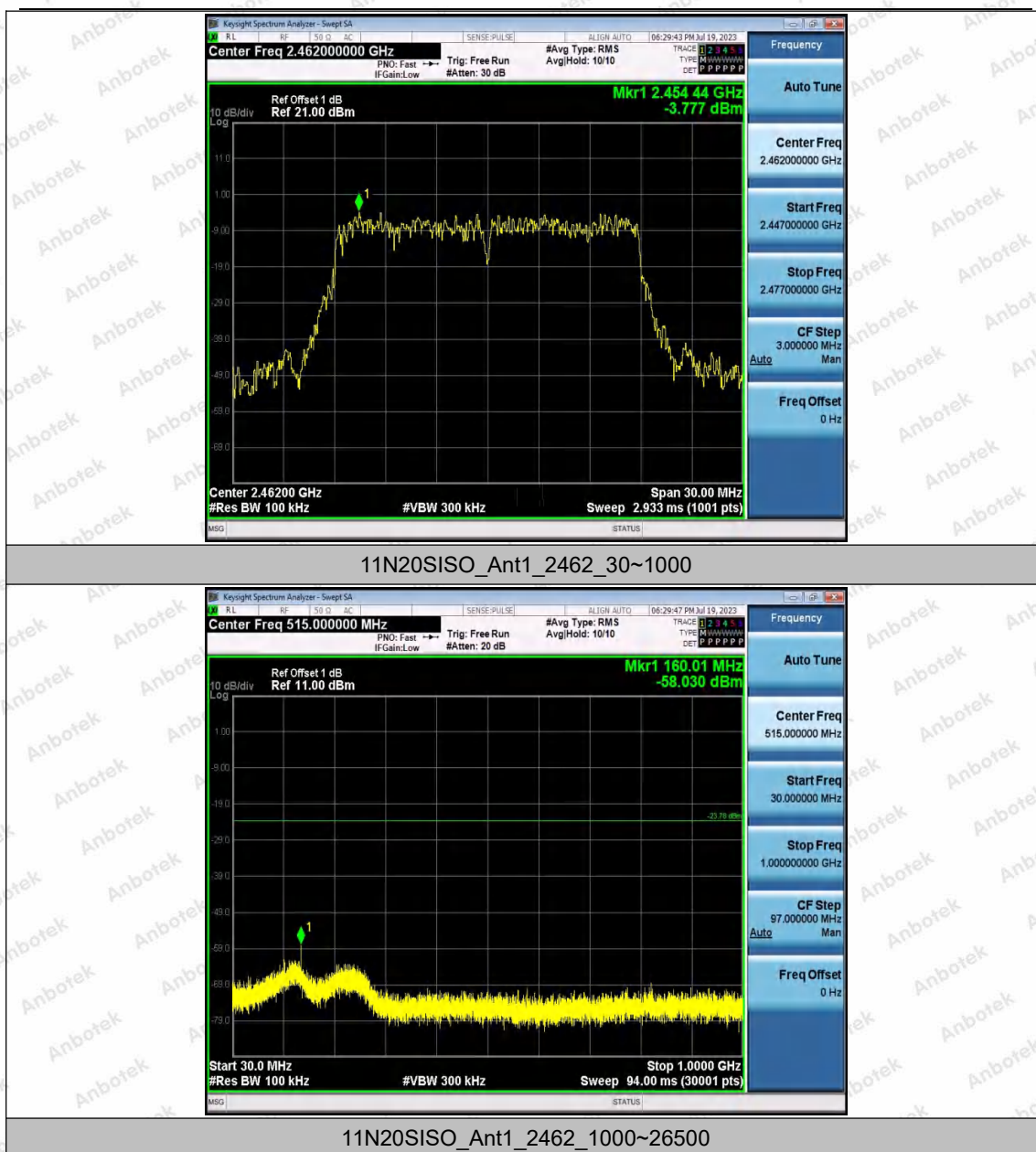
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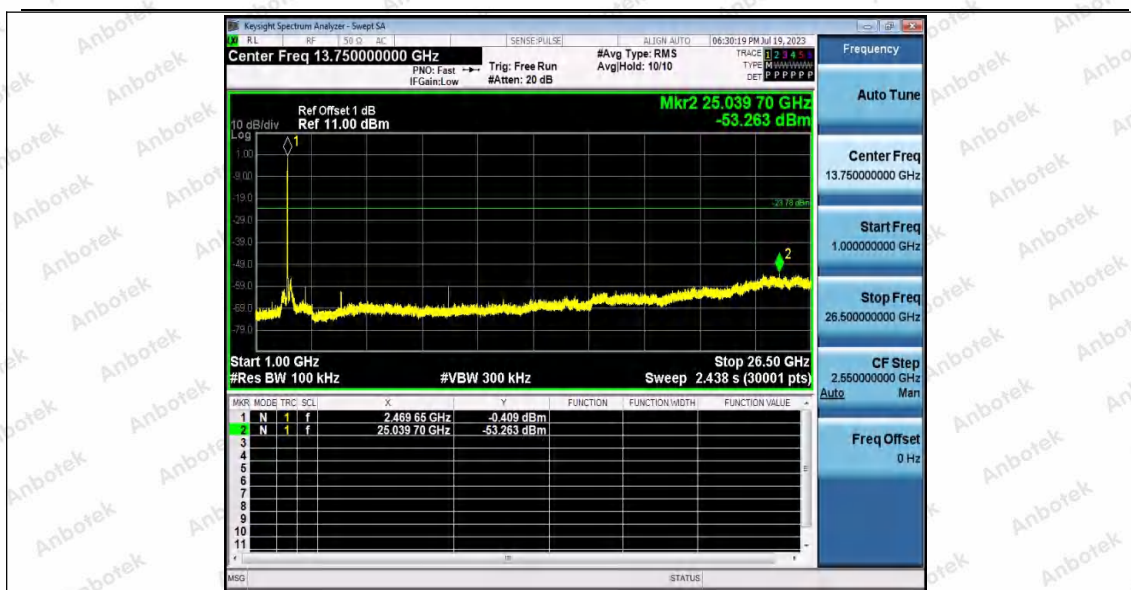
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Appendix G: Duty Cycle

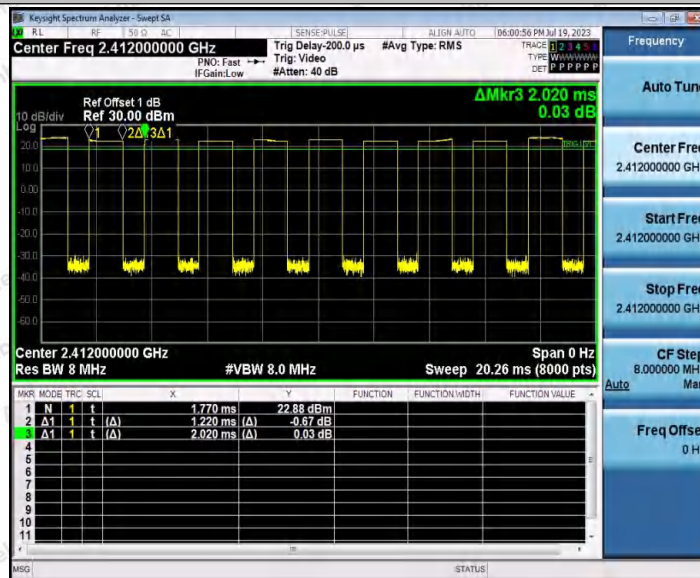
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	1.22	2.02	60.40	2.19
		2437	1.22	2.02	60.40	2.19
		2462	1.22	2.01	60.70	2.17
11G	Ant1	2412	0.55	1.02	53.92	2.68
		2437	0.55	1.02	53.92	2.68
		2462	0.54	1.02	52.94	2.76
11N20SISO	Ant1	2412	0.55	1.48	37.16	4.30
		2437	0.55	1.02	53.92	2.68
		2462	0.55	1.02	53.92	2.68

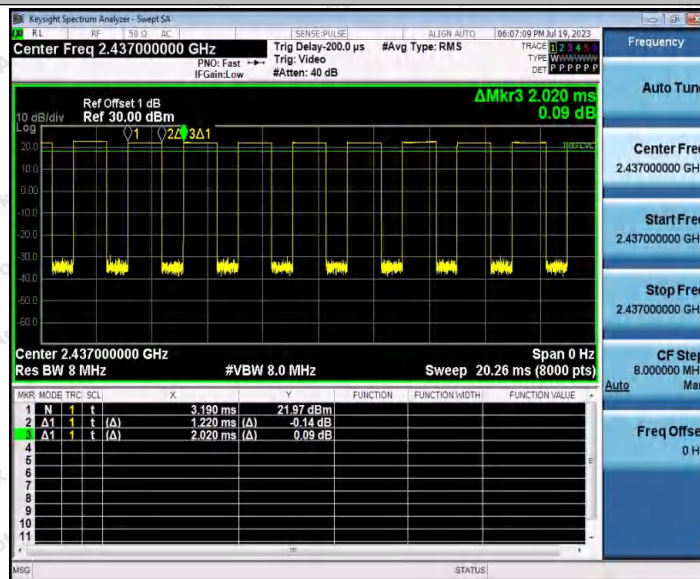


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

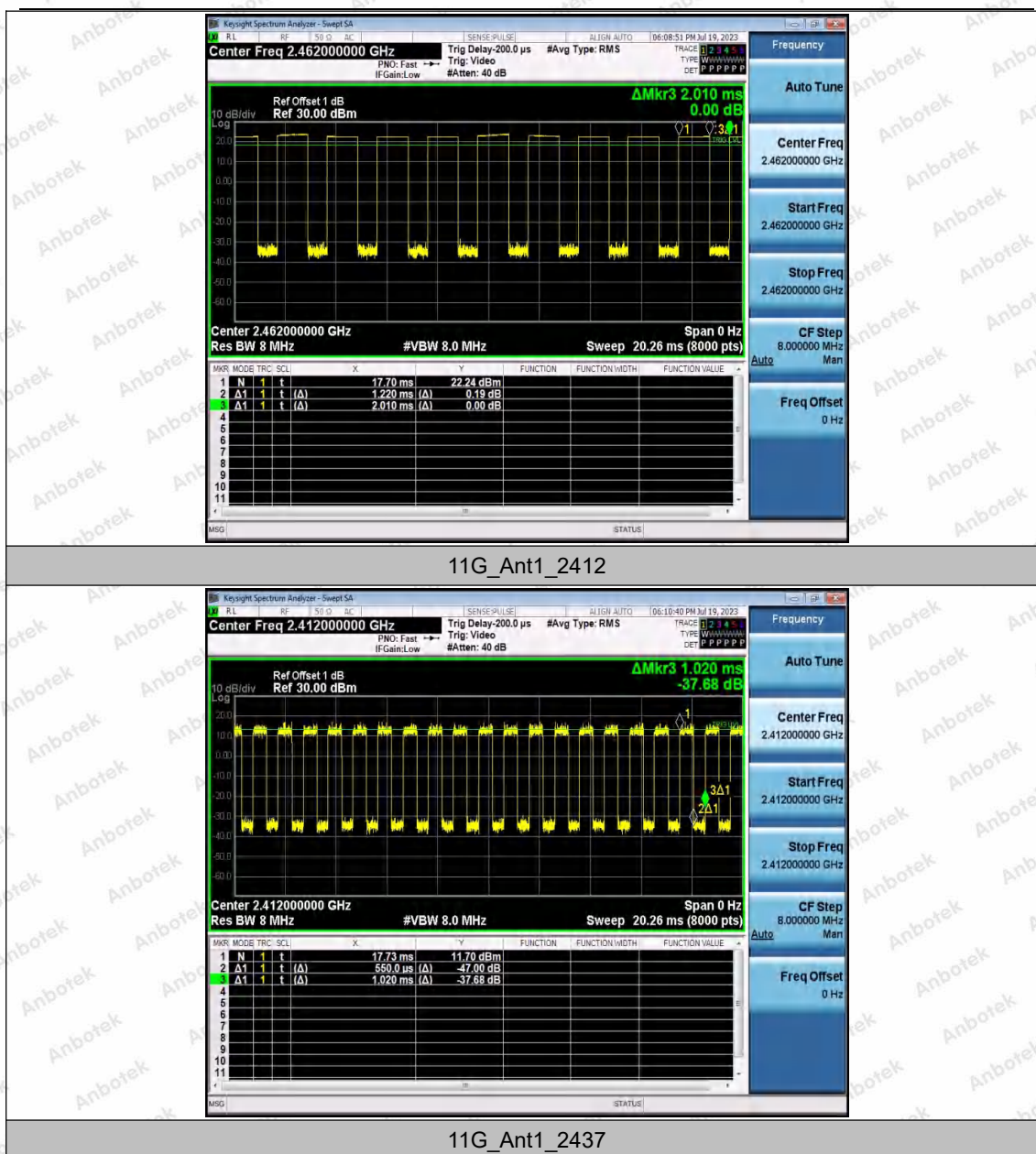
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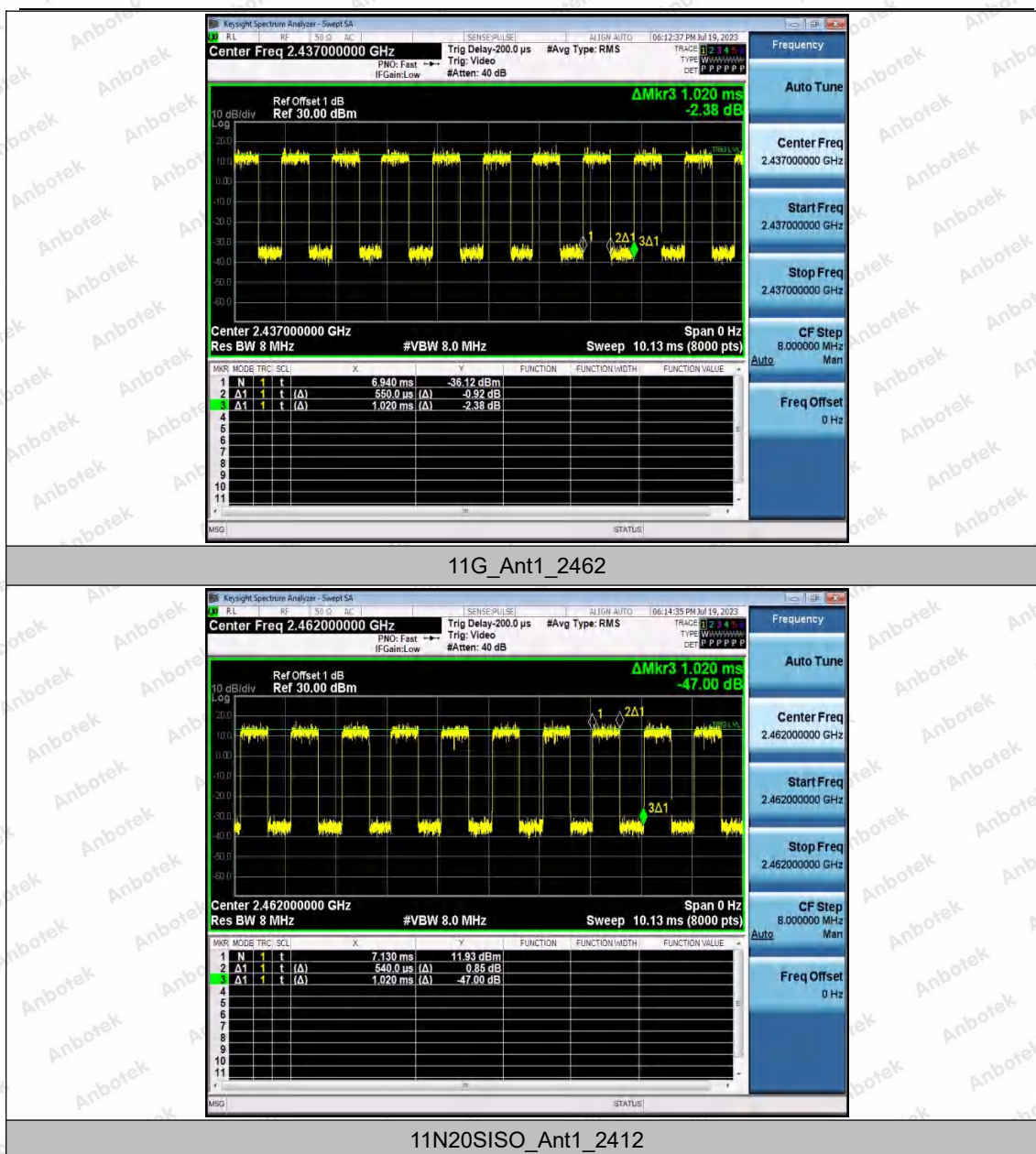
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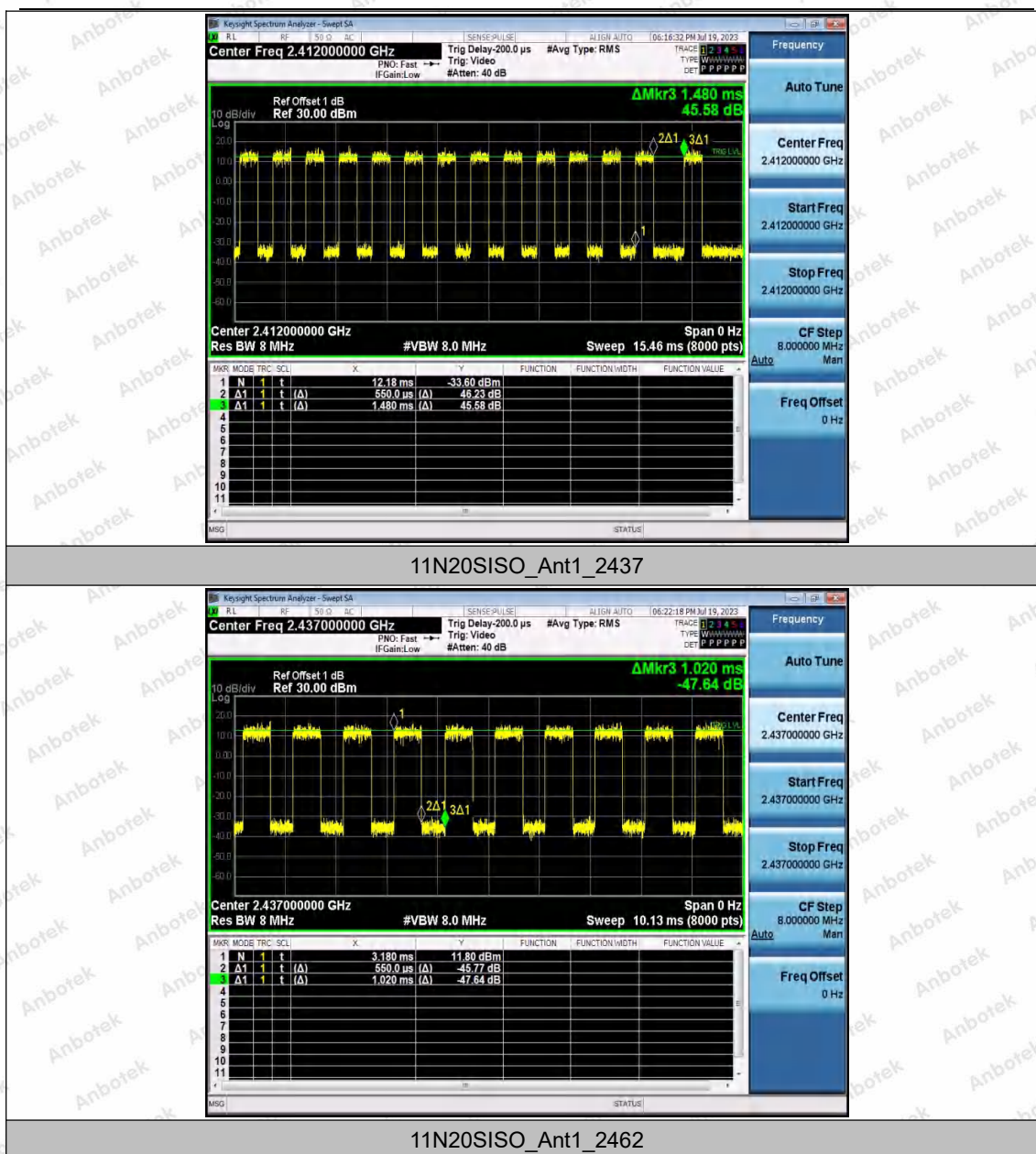
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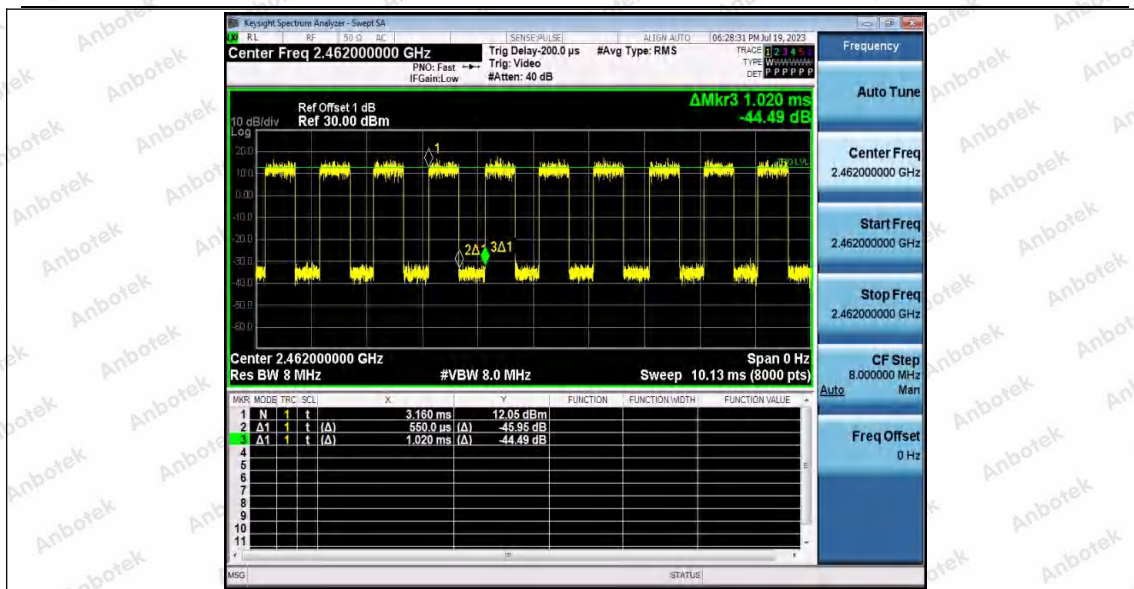
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