

Appendix Test Data

Report No.:	18220WC30123002	Test Sample No.:	1-2-2
Start Test Date:	2023.06.20	Finish Test Date:	2023.07.11
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.9°C	Relative Humidity:	49%
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	10.040	2407.000	2417.040	≥0.5	PASS
		2437	10.040	2432.000	2442.040	≥0.5	PASS
		2462	10.040	2457.000	2467.040	≥0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	≥0.5	PASS
		2437	16.040	2428.880	2444.920	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	15.880	2403.880	2419.760	≥0.5	PASS
		2437	16.600	2428.920	2445.520	≥0.5	PASS
		2462	12.880	2455.360	2468.240	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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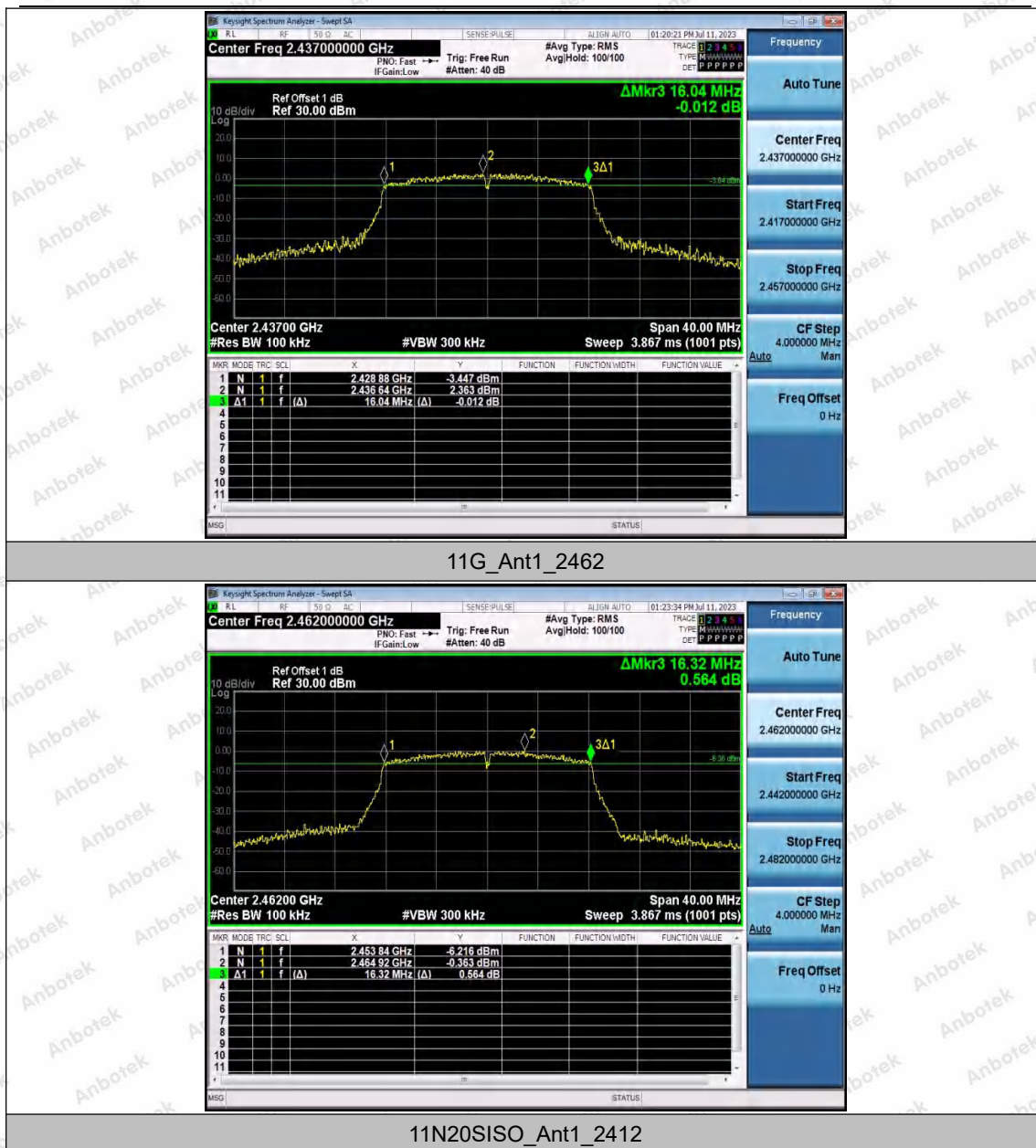
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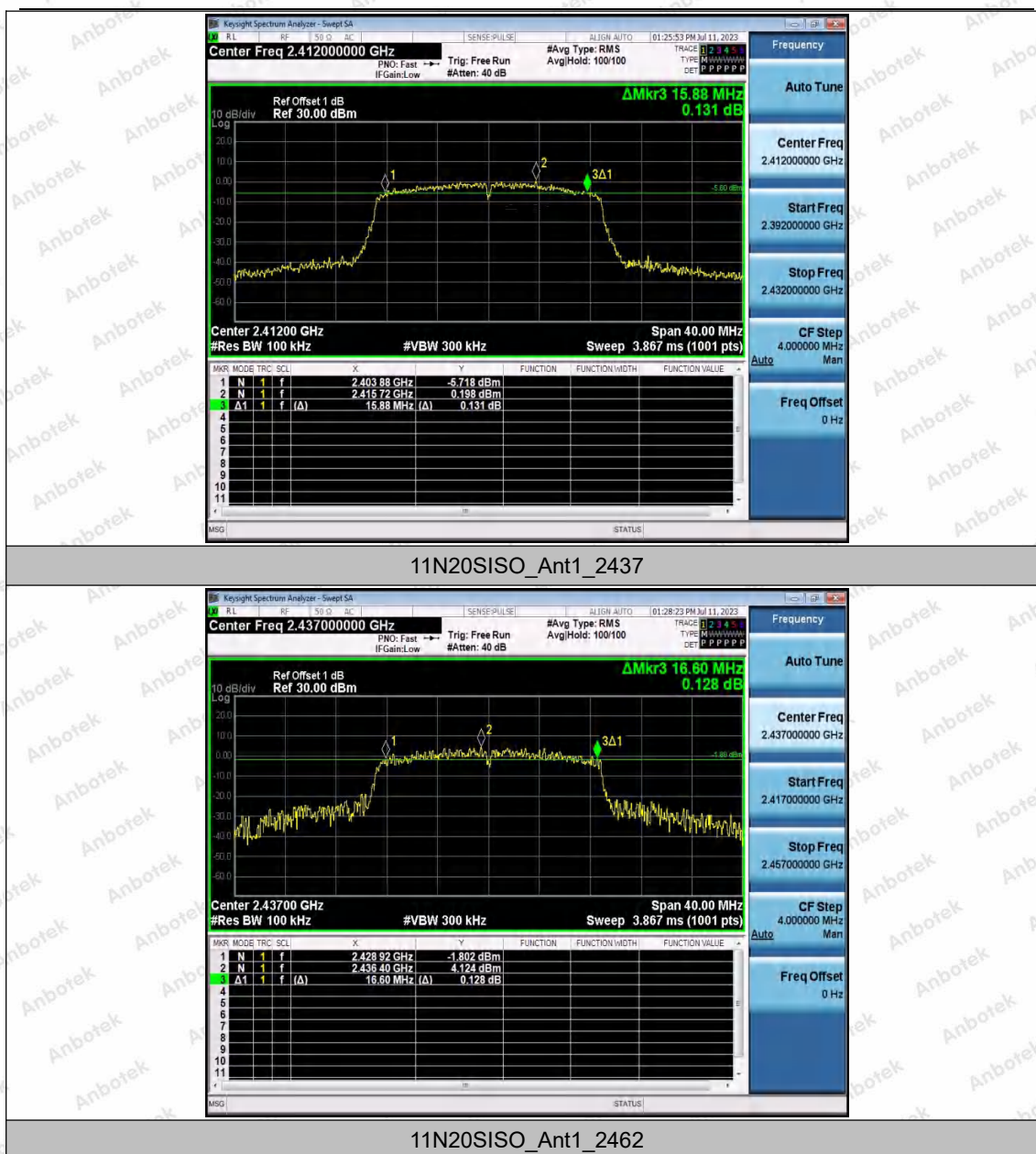


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.151	2405.5007	2418.6517	---	---
		2437	13.428	2430.3427	2443.7707	---	---
		2462	13.114	2455.4928	2468.6068	---	---
11G	Ant1	2412	16.388	2403.8334	2420.2214	---	---
		2437	16.426	2428.8212	2445.2472	---	---
		2462	16.427	2453.8060	2470.2330	---	---
11N20SISO	Ant1	2412	17.319	2403.3767	2420.6957	---	---
		2437	17.331	2428.3898	2445.7208	---	---
		2462	17.309	2453.3679	2470.6769	---	---



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	21.68	≤30.00
		2437	23.09	≤30.00
		2462	21.80	≤30.00
11G	Ant1	2412	20.37	≤30.00
		2437	22.10	≤30.00
		2462	20.26	≤30.00
11N20SISO	Ant1	2412	20.17	≤30.00
		2437	22.16	≤30.00
		2462	20.09	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-1.91	≤8.00	PASS
		2437	-0.4	≤8.00	PASS
		2462	-2.14	≤8.00	PASS
11G	Ant1	2412	-10.94	≤8.00	PASS
		2437	-9.47	≤8.00	PASS
		2462	-10.02	≤8.00	PASS
11N20SISO	Ant1	2412	-11.71	≤8.00	PASS
		2437	-7.17	≤8.00	PASS
		2462	-11.37	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

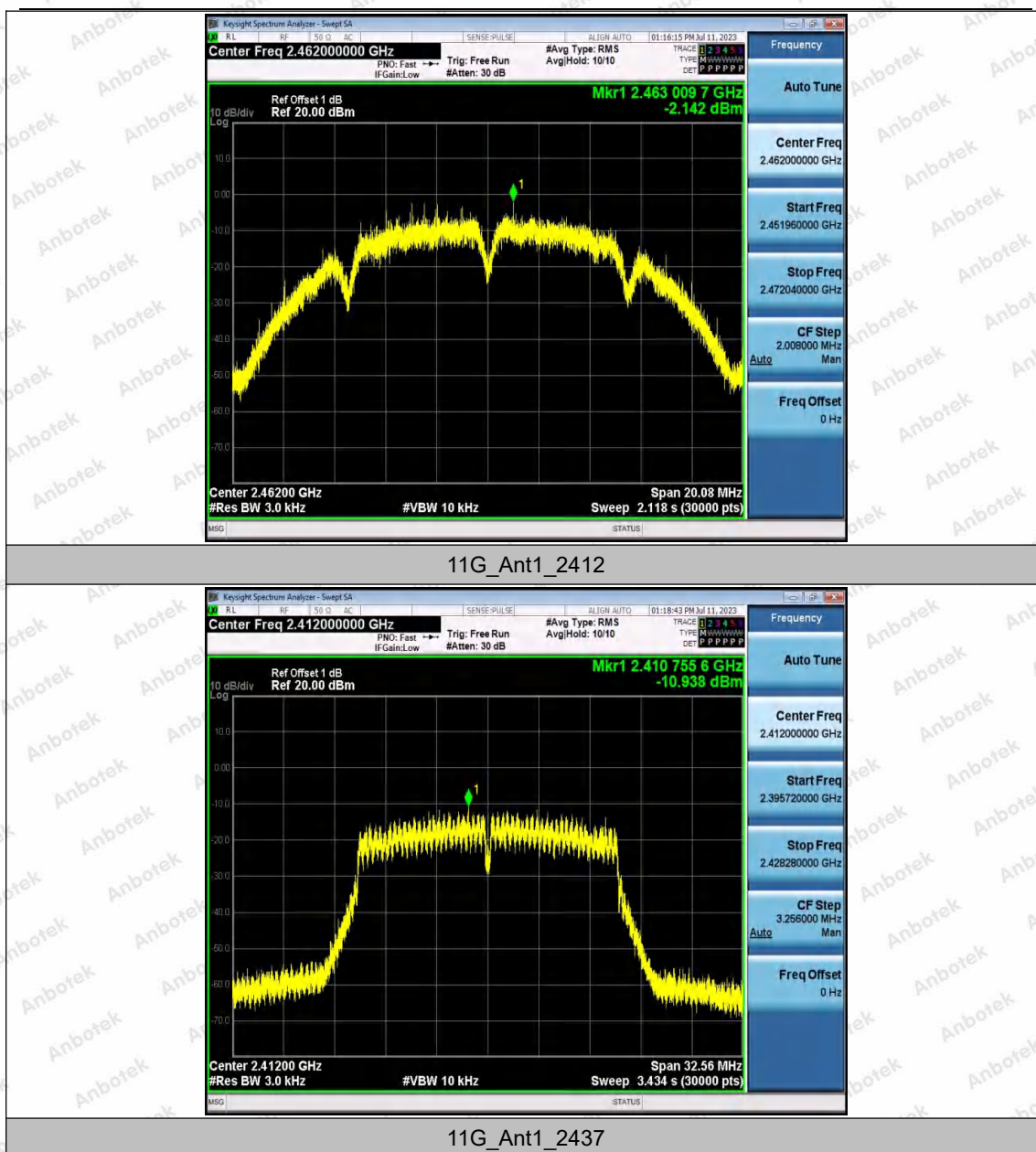
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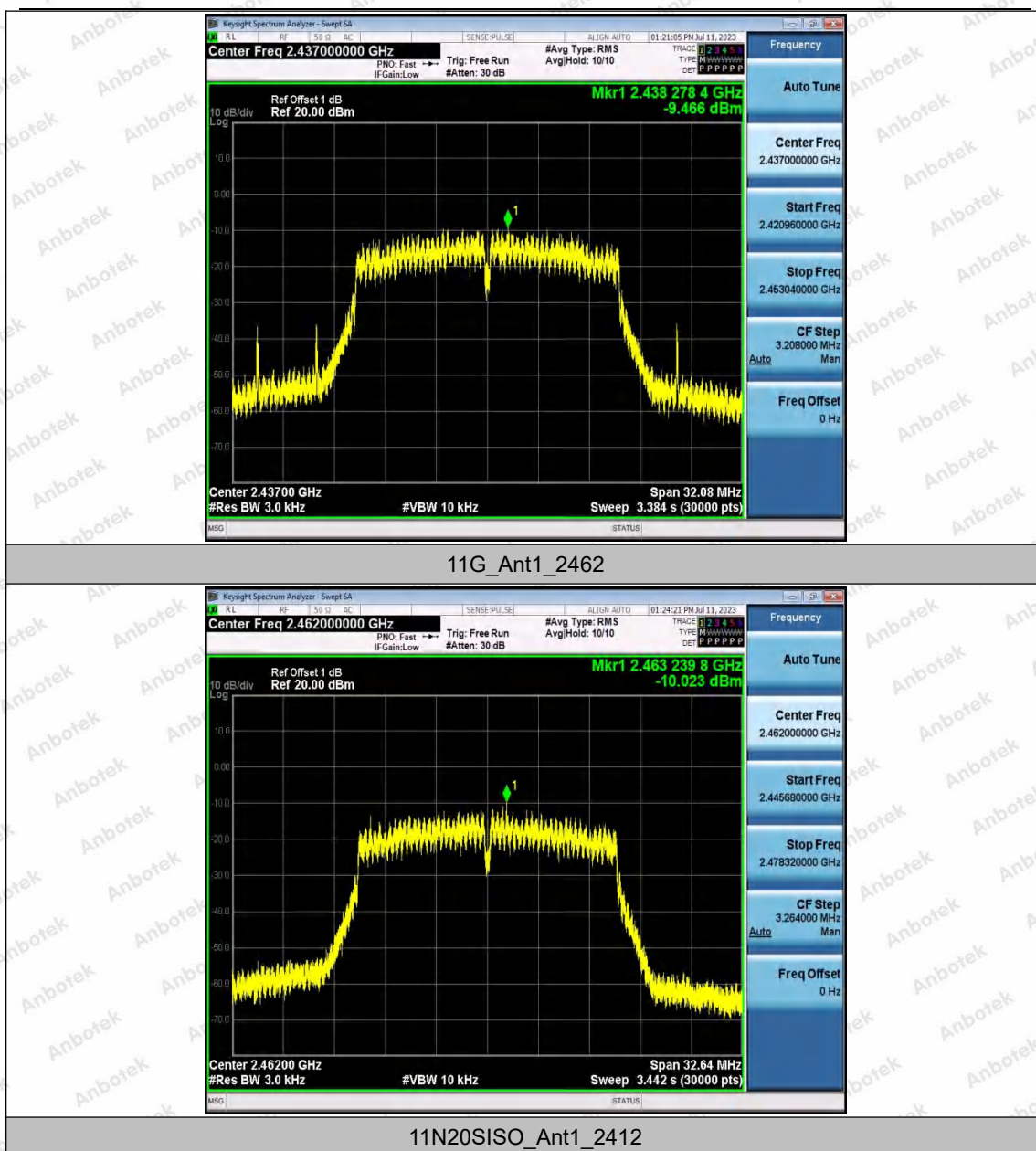
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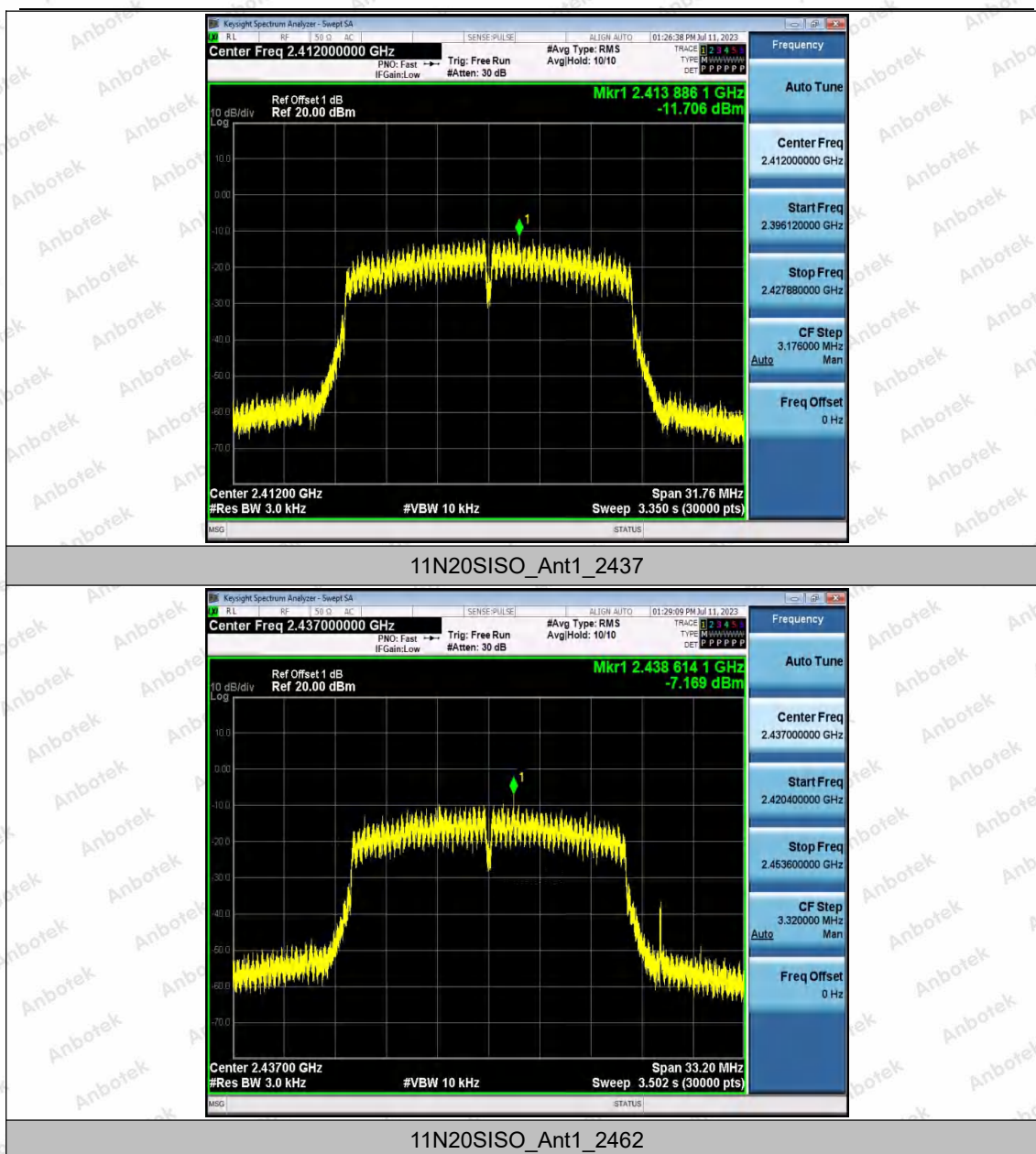
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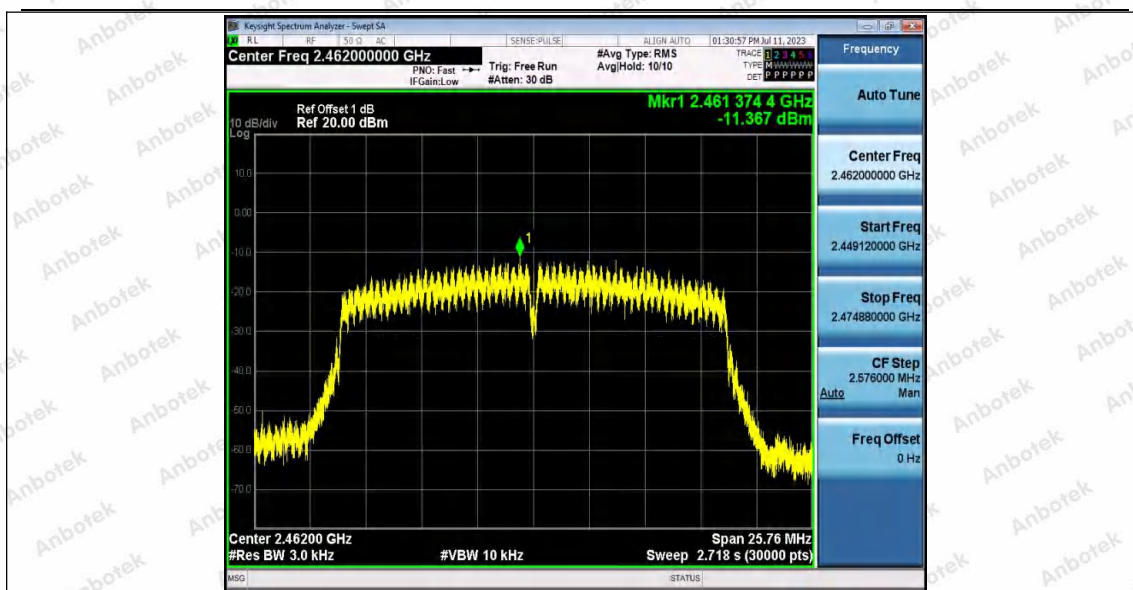
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.66	-32.25	≤-10.34	PASS
		High	2462	9.34	-41.4	≤-10.66	PASS
11G	Ant1	Low	2412	0.03	-35.72	≤-19.97	PASS
		High	2462	2.69	-43.84	≤-17.31	PASS
11N20SISO	Ant1	Low	2412	3.62	-28.32	≤-16.38	PASS
		High	2462	1.67	-44.12	≤-18.33	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	8.80	8.80	---	PASS
			30~1000	8.80	-68.33	≤-11.2	PASS
			1000~26500	8.80	-53.54	≤-11.2	PASS
		2437	Reference	10.93	10.93	---	PASS
			30~1000	10.93	-67.73	≤-9.07	PASS
			1000~26500	10.93	-53.99	≤-9.07	PASS
		2462	Reference	8.91	8.91	---	PASS
			30~1000	8.91	-69.18	≤-11.09	PASS
			1000~26500	8.91	-53.67	≤-11.09	PASS
11G	Ant1	2412	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-69.01	≤-20.21	PASS
			1000~26500	-0.21	-53.43	≤-20.21	PASS
		2437	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-69.16	≤-18.81	PASS
			1000~26500	1.19	-53.57	≤-18.81	PASS
		2462	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-68.86	≤-20.92	PASS
			1000~26500	-0.92	-53.74	≤-20.92	PASS
11N20SISO	Ant1	2412	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-68.72	≤-21.21	PASS
			1000~26500	-1.21	-53.28	≤-21.21	PASS
		2437	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-69.12	≤-19.11	PASS
			1000~26500	0.89	-53.49	≤-19.11	PASS
		2462	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-68.95	≤-17.3	PASS
			1000~26500	2.70	-53.73	≤-17.3	PASS

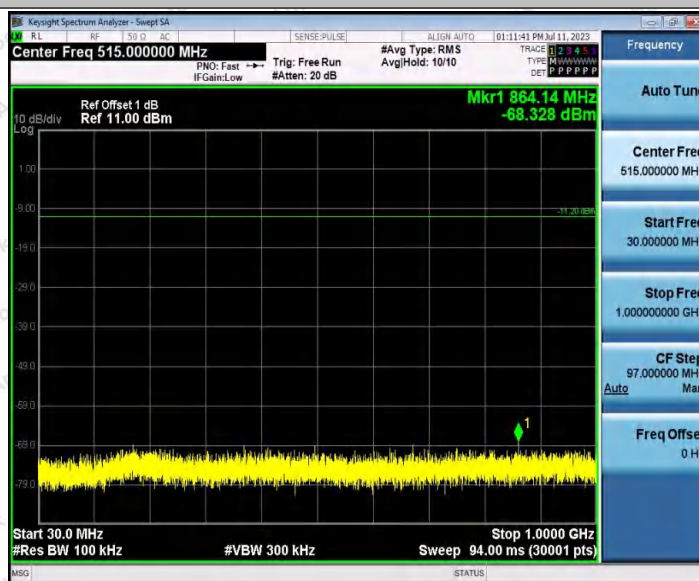


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

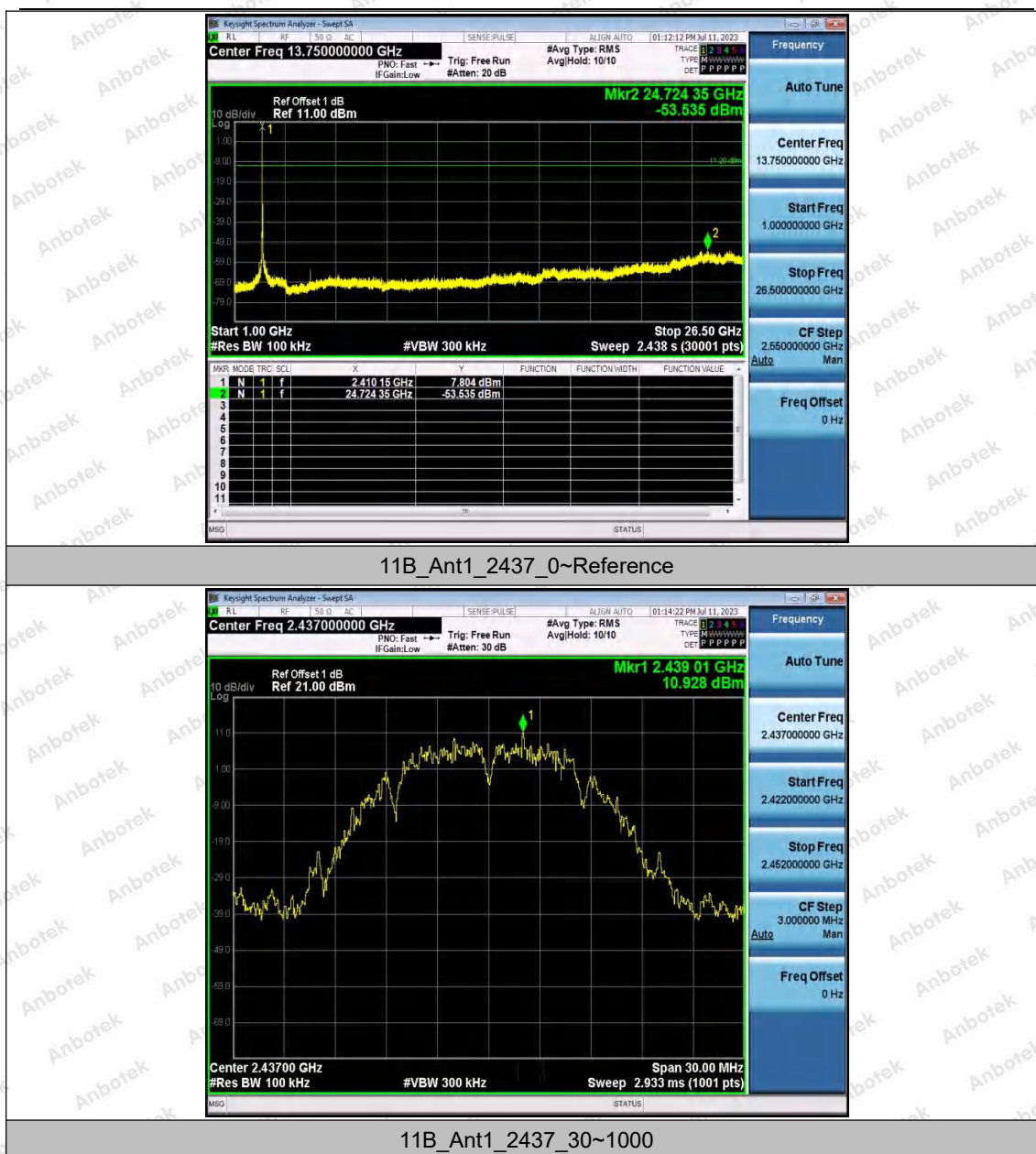
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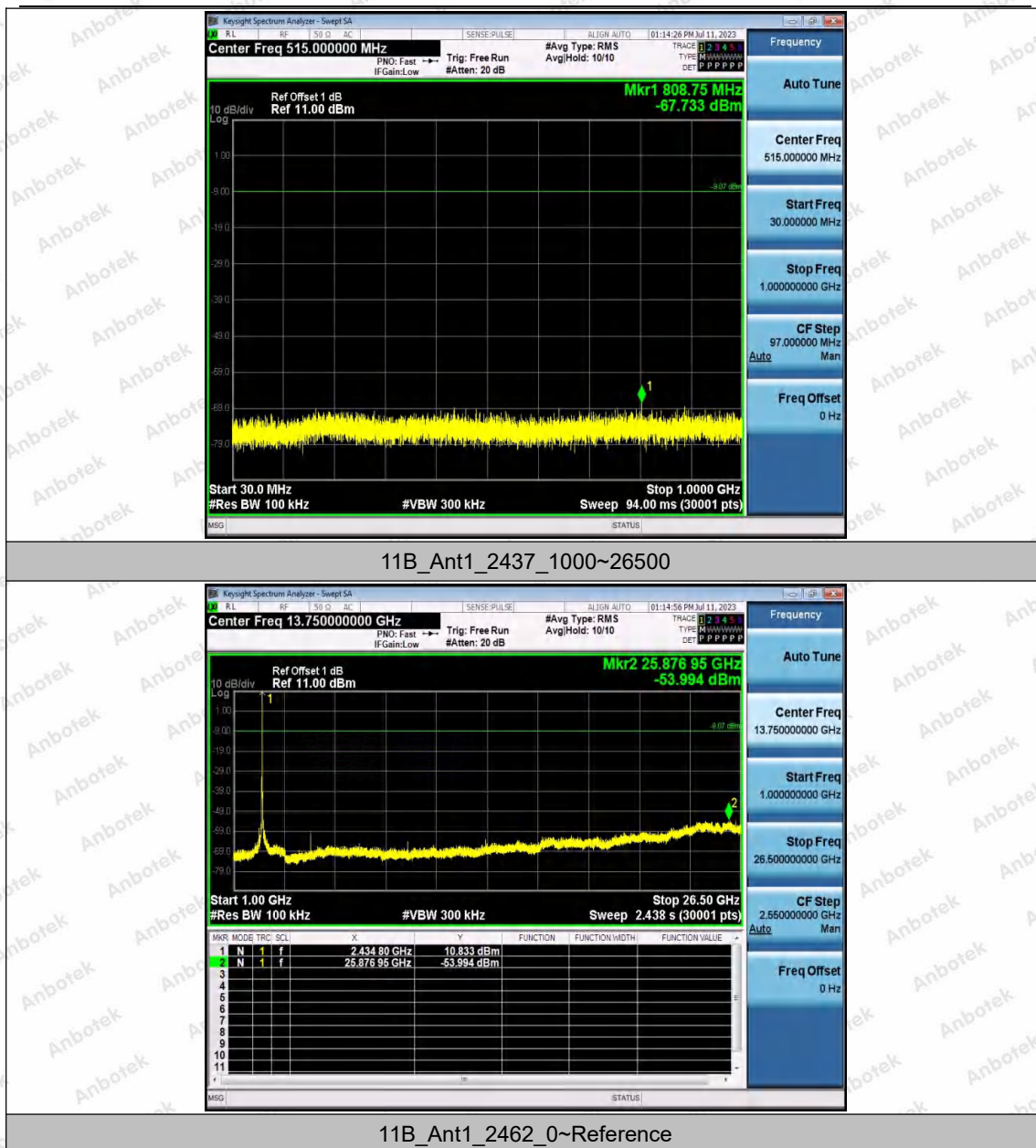
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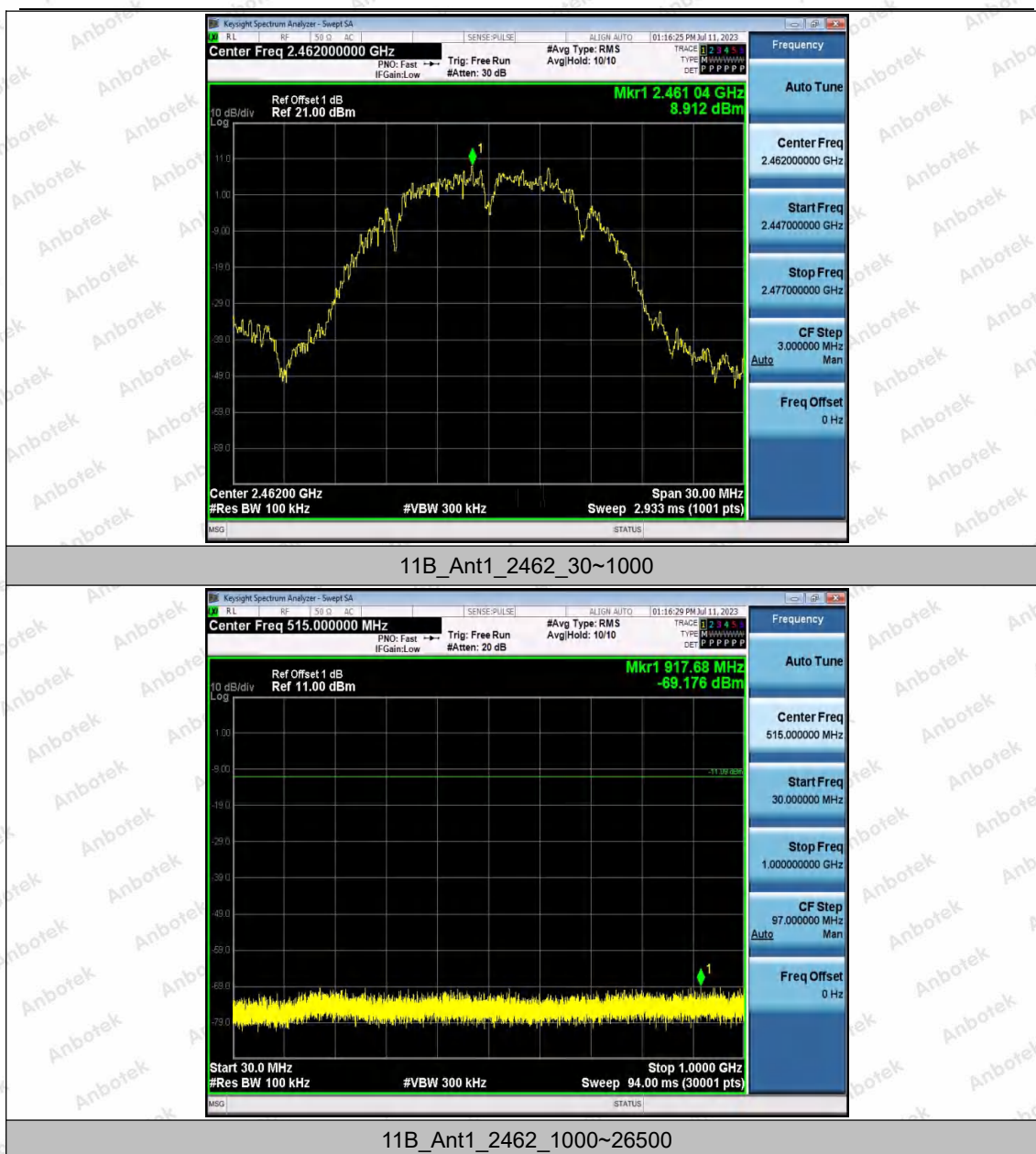
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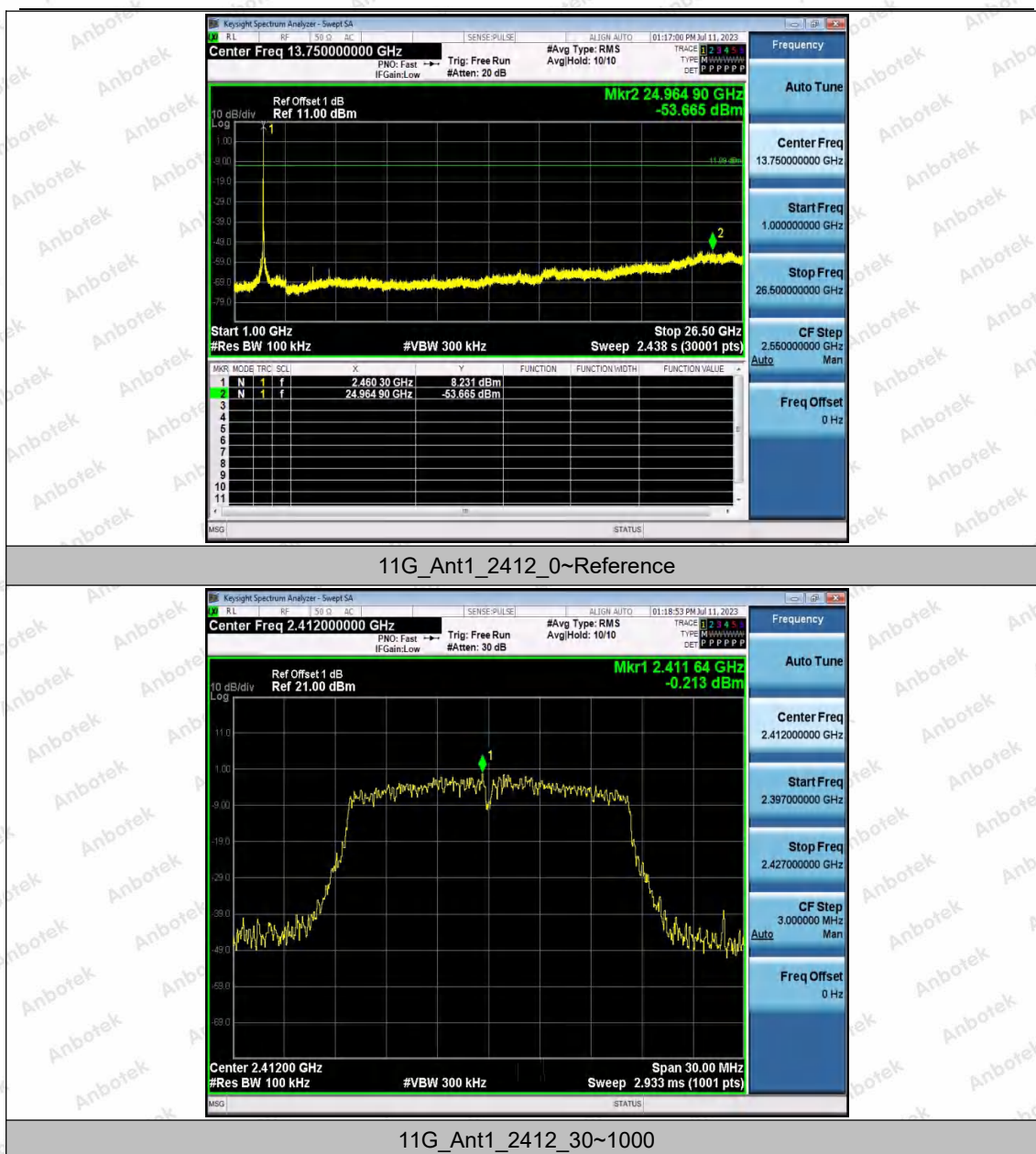
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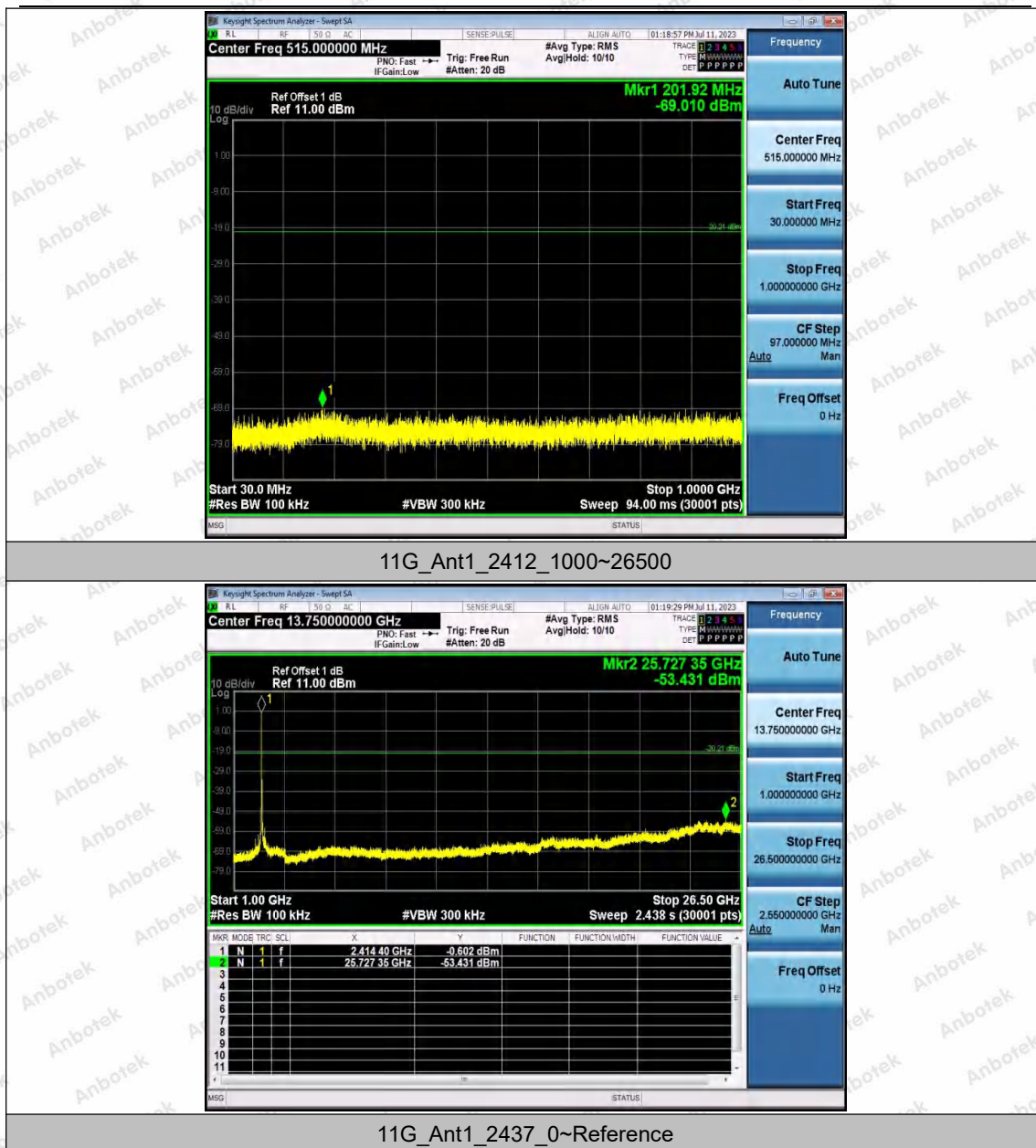
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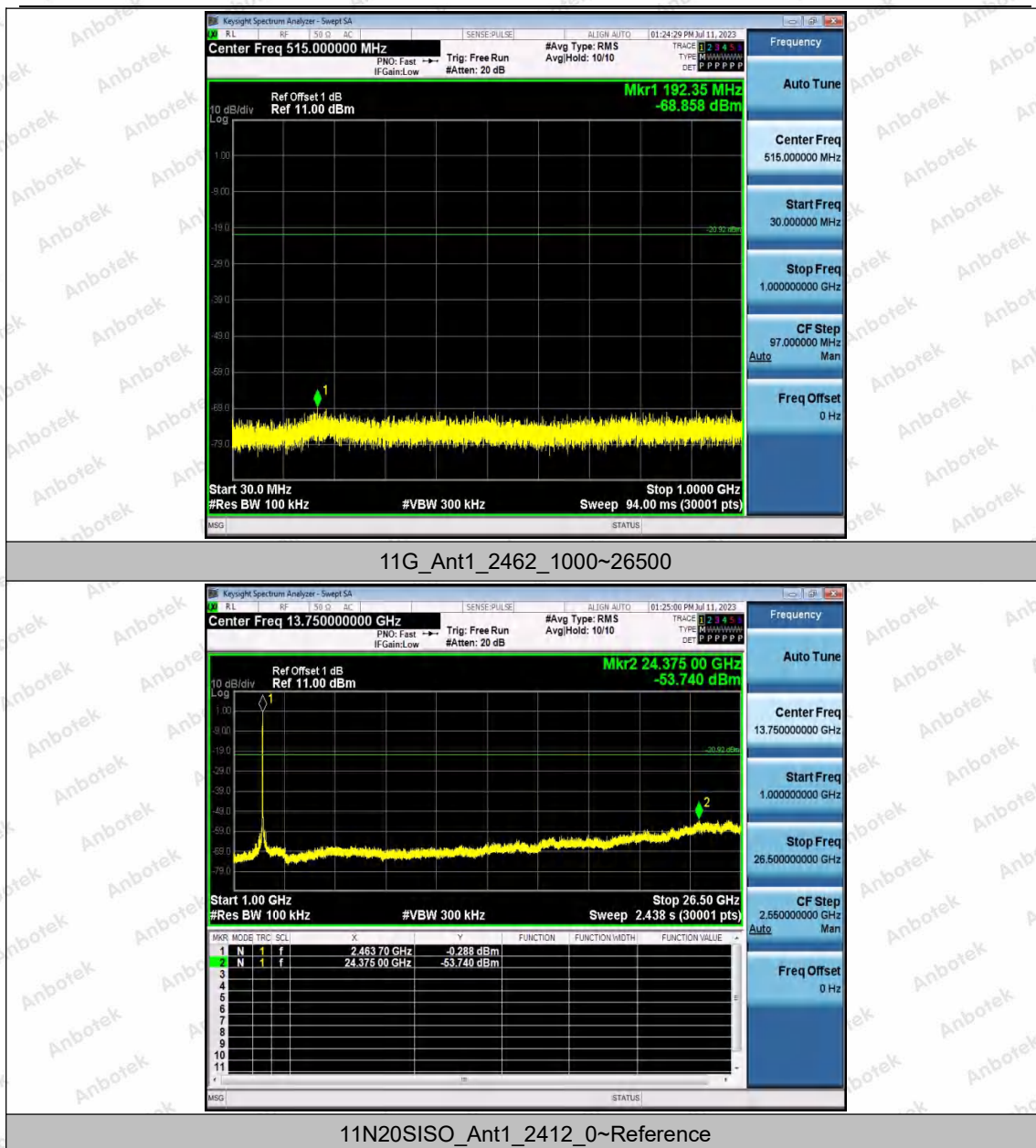
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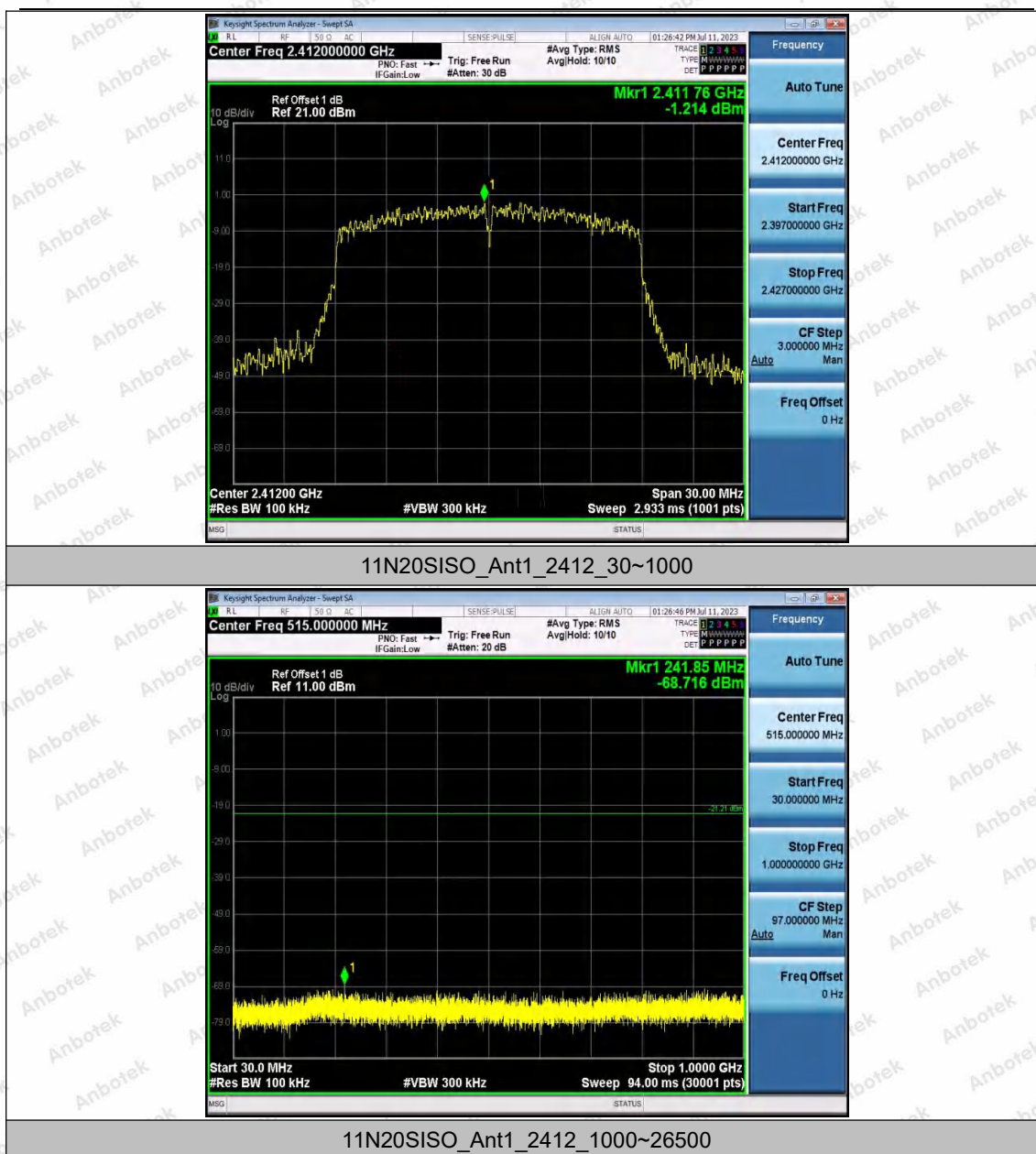
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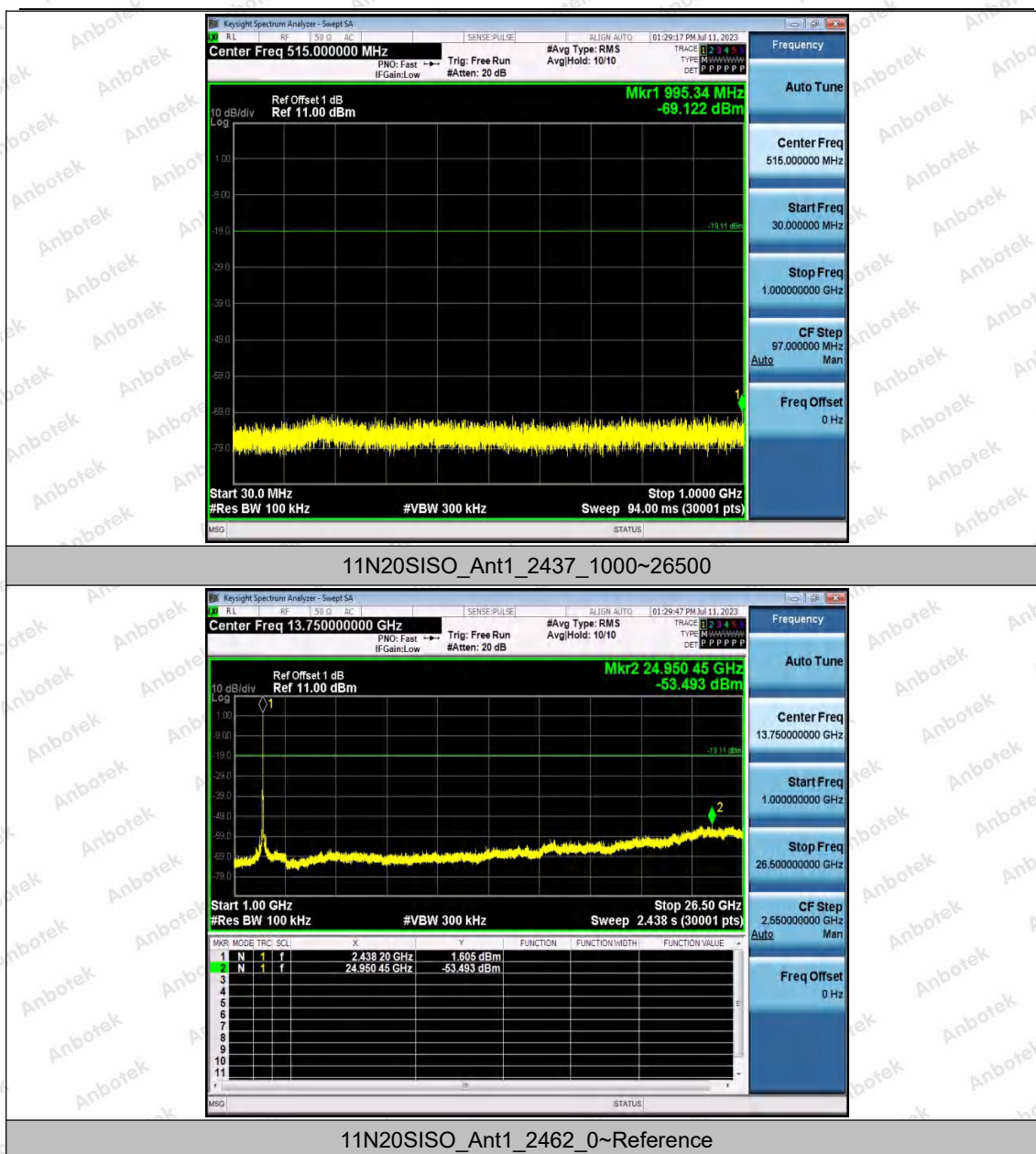
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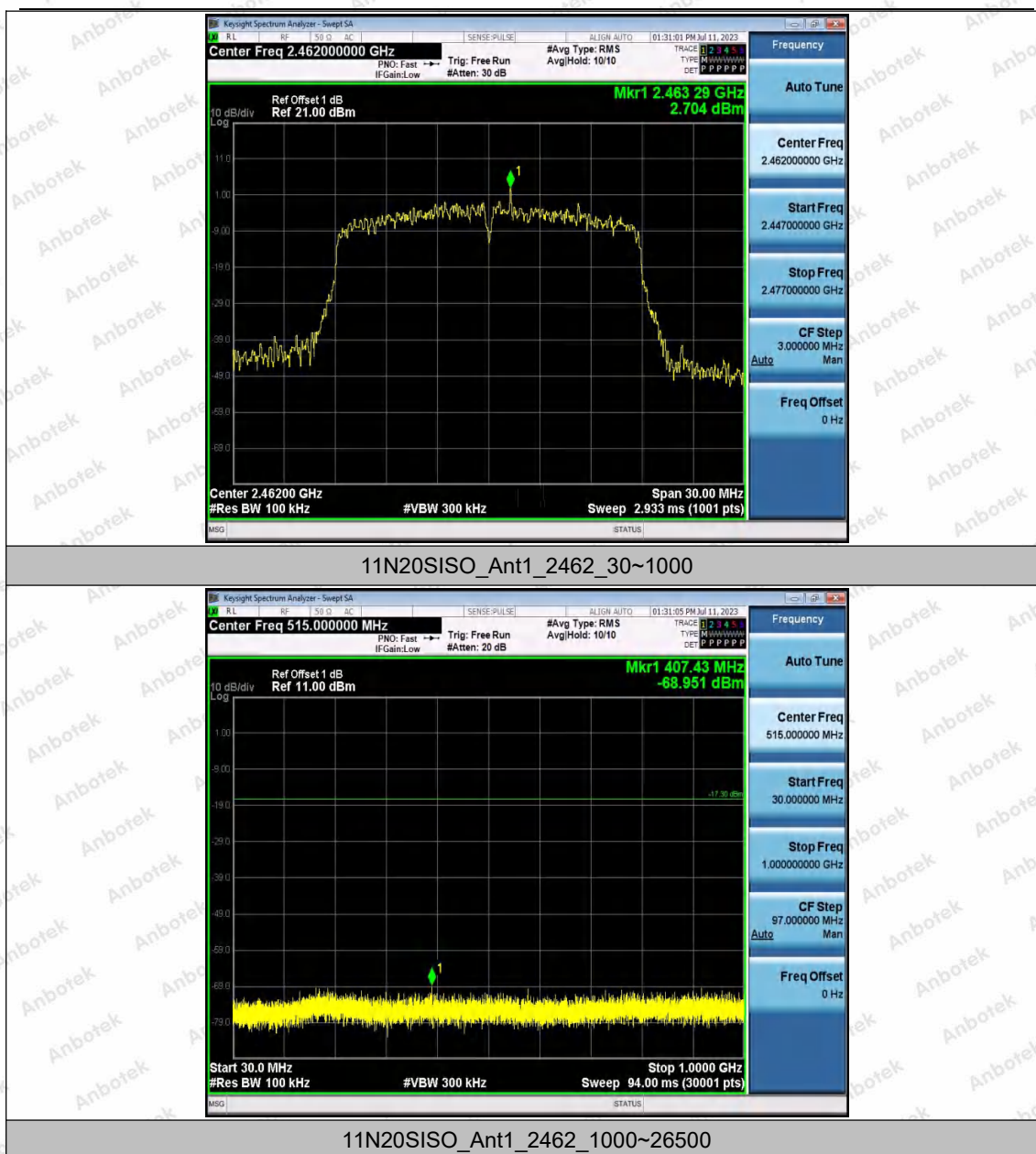
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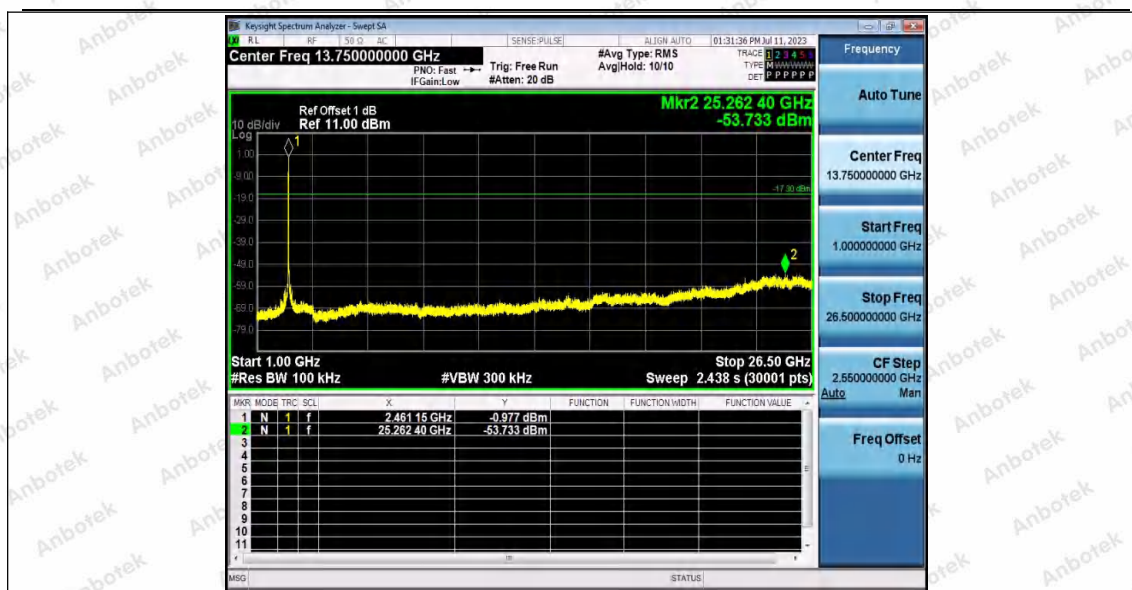


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.21	9.38	87.53	0.58
		2437	8.21	9.38	87.53	0.58
		2462	8.21	9.38	87.53	0.58
11G	Ant1	2412	12.04	12.05	99.92	0.00
		2437	12.03	12.04	99.92	0.00
		2462	12.04	12.05	99.92	0.00
11N20SISO	Ant1	2412	11.12	11.13	99.91	0.00
		2437	11.12	11.13	99.91	0.00
		2462	11.12	11.13	99.91	0.00



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

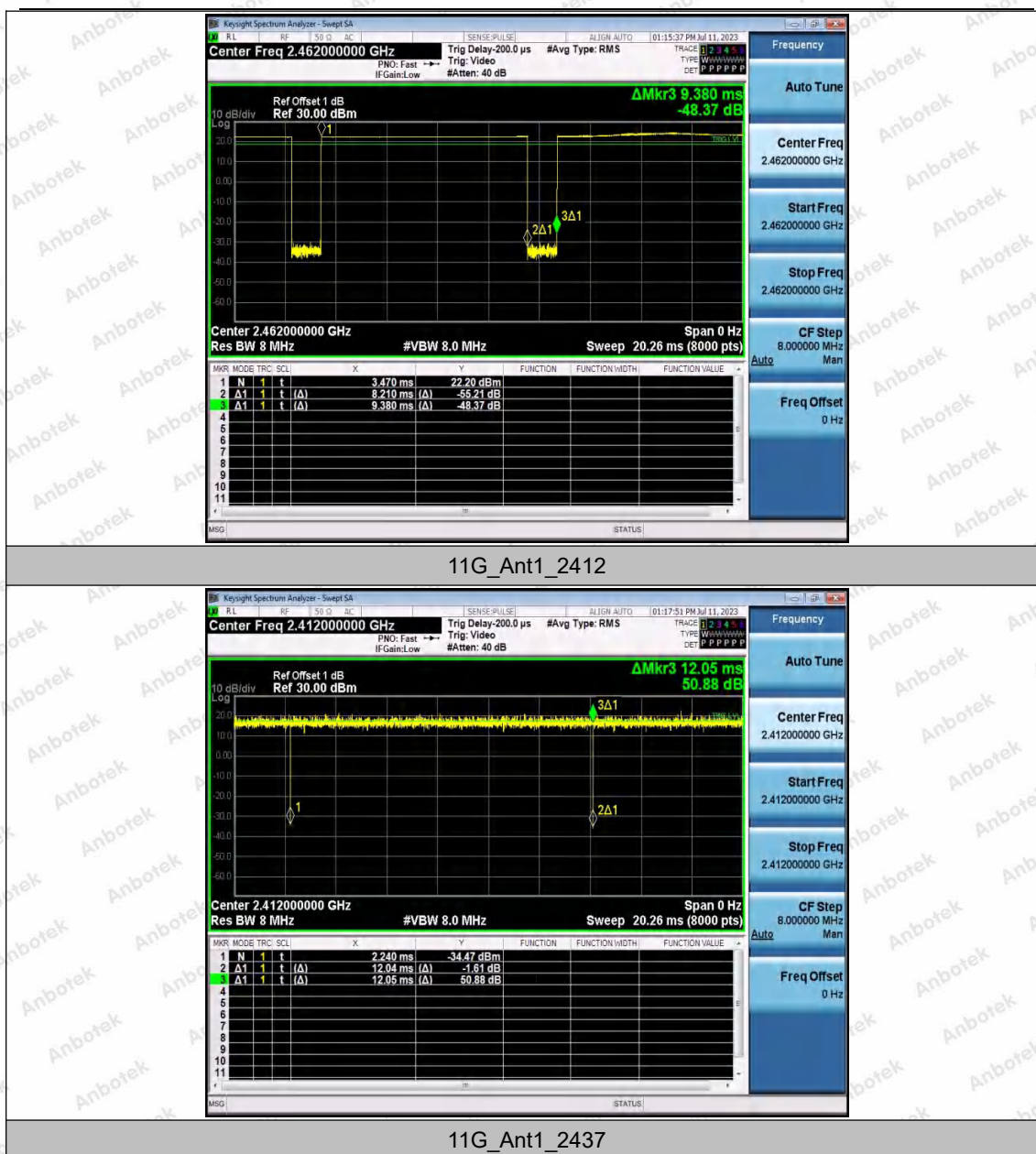
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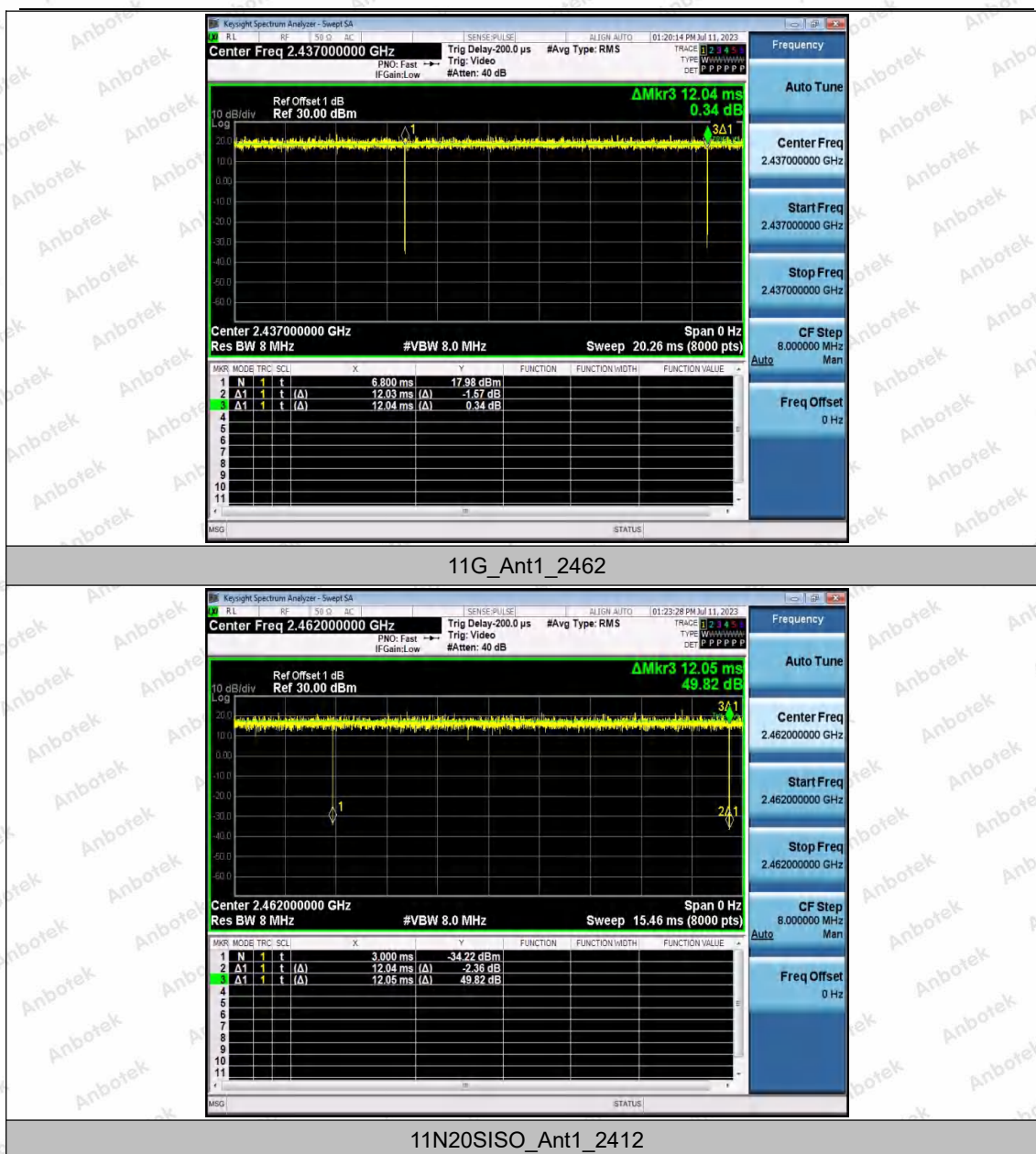
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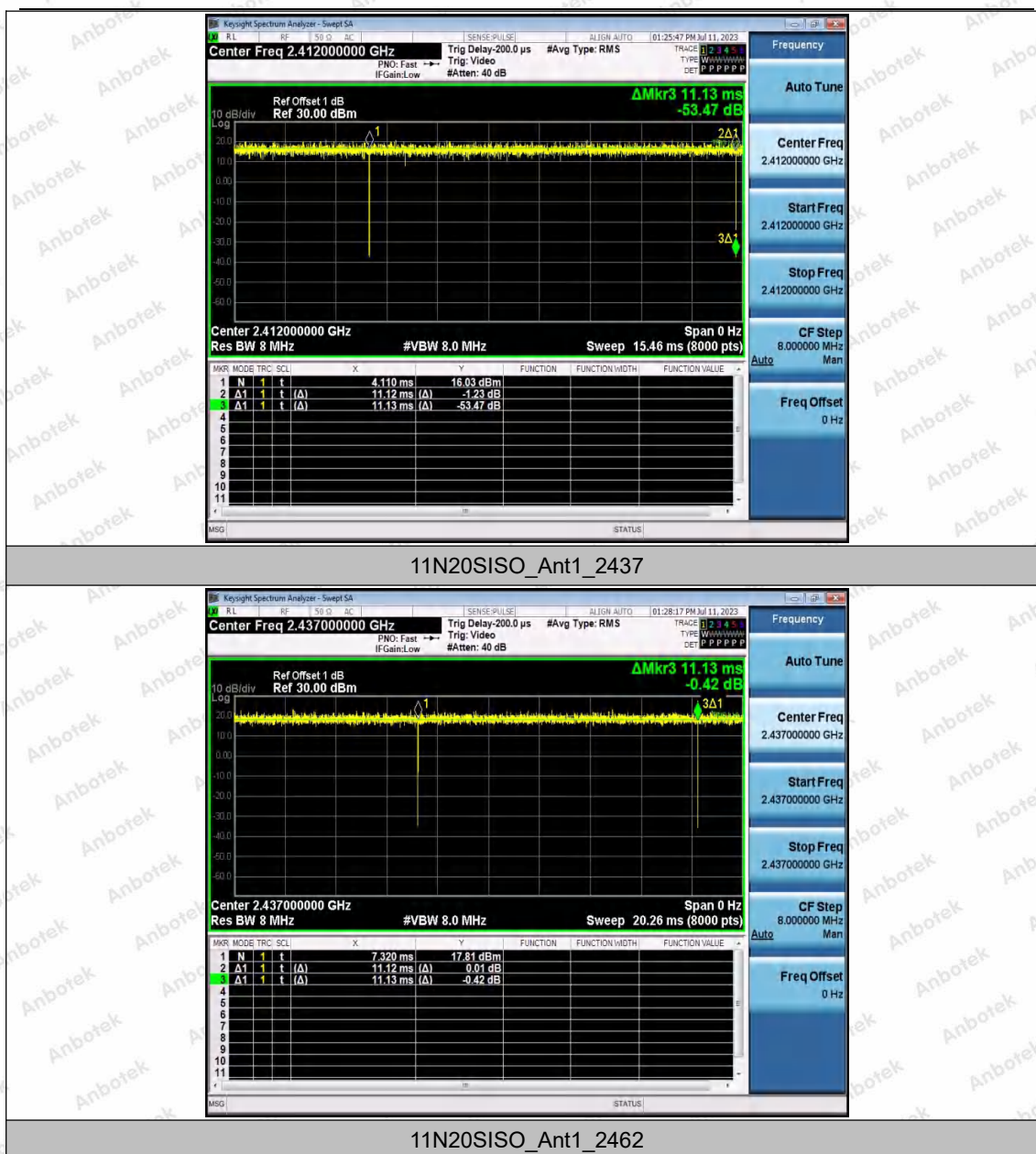
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