

Appendix Test Data

Report No.:	18220WC30124101	Test Sample No.:	1-2-2
Start Test Date:	2023.06.20	Finish Test Date:	2023.07.13
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.3°C	Relative Humidity:	50%
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	9.080	2407.840	2416.920	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.120	2457.840	2466.960	≥0.5	PASS
11G	Ant1	2412	12.880	2405.080	2417.960	≥0.5	PASS
		2437	12.520	2430.680	2443.200	≥0.5	PASS
		2462	13.760	2455.320	2469.080	≥0.5	PASS
11N20SISO	Ant1	2412	14.400	2404.680	2419.080	≥0.5	PASS
		2437	14.120	2429.080	2443.200	≥0.5	PASS
		2462	16.800	2453.560	2470.360	≥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	13.828	2405.4451	2419.2731	---	---
		2437	14.156	2429.9002	2444.0562	---	---
		2462	13.295	2455.7631	2469.0581	---	---
11G	Ant1	2412	16.399	2403.7633	2420.1623	---	---
		2437	16.505	2428.6732	2445.1782	---	---
		2462	16.397	2453.7547	2470.1517	---	---
11N20SISO	Ant1	2412	17.275	2403.3087	2420.5837	---	---
		2437	17.357	2428.2758	2445.6328	---	---
		2462	17.308	2453.3238	2470.6318	---	---



Test Graphs



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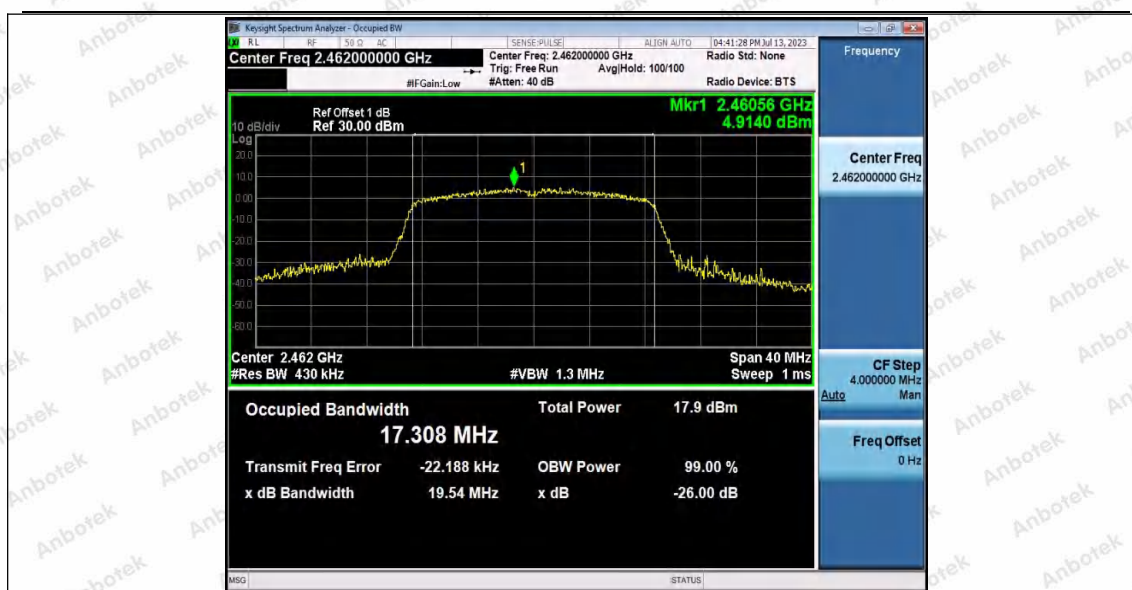
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	20.54	≤30.00
		2437	21.70	≤30.00
		2462	20.14	≤30.00
11G	Ant1	2412	19.47	≤30.00
		2437	21.60	≤30.00
		2462	19.43	≤30.00
11N20SISO	Ant1	2412	19.11	≤30.00
		2437	21.33	≤30.00
		2462	19.02	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.01	≤8.00	PASS
		2437	-2.02	≤8.00	PASS
		2462	-3.82	≤8.00	PASS
11G	Ant1	2412	-11.61	≤8.00	PASS
		2437	-8.71	≤8.00	PASS
		2462	-11.73	≤8.00	PASS
11N20SISO	Ant1	2412	-11.57	≤8.00	PASS
		2437	-9.23	≤8.00	PASS
		2462	-13.04	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

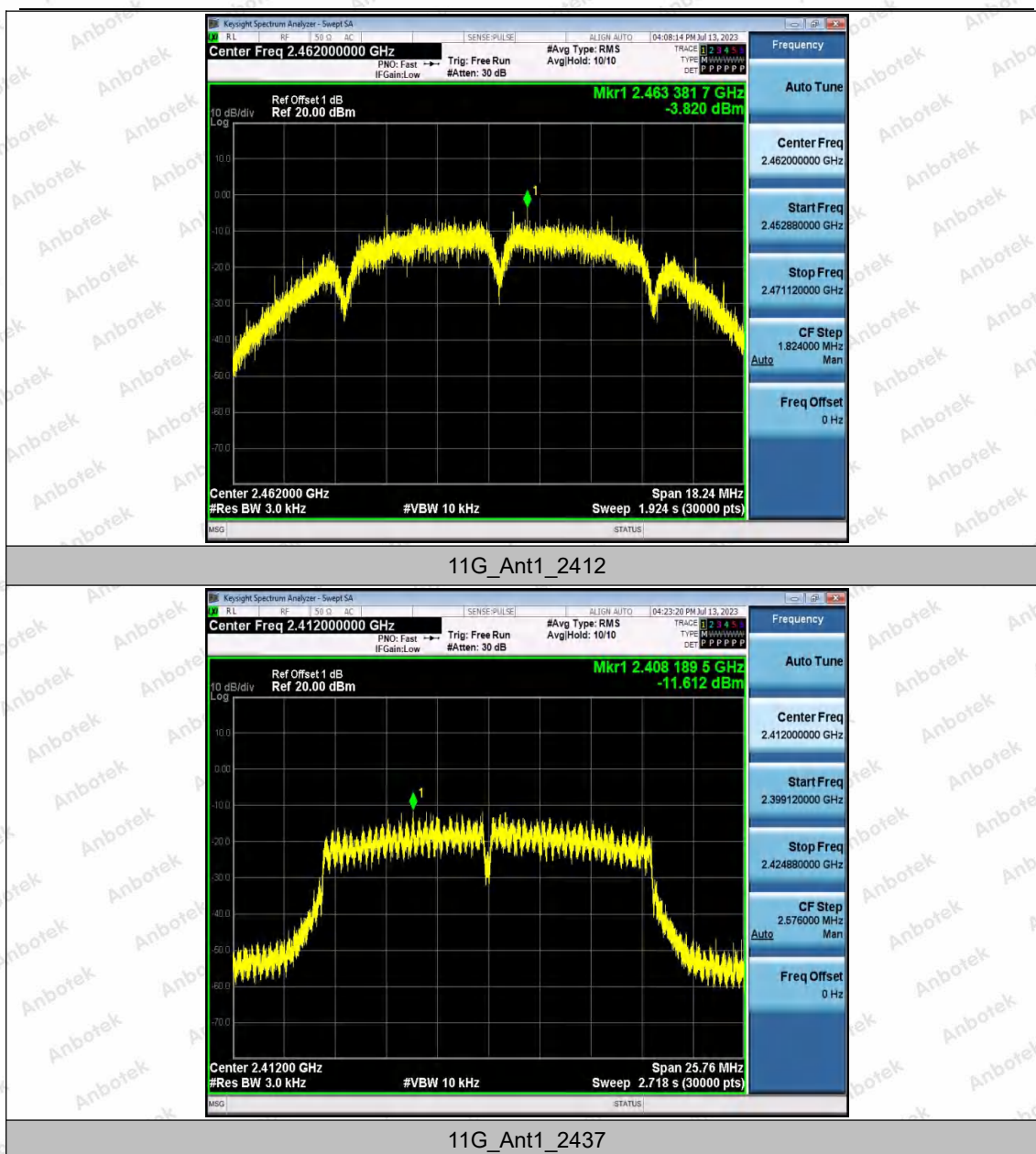
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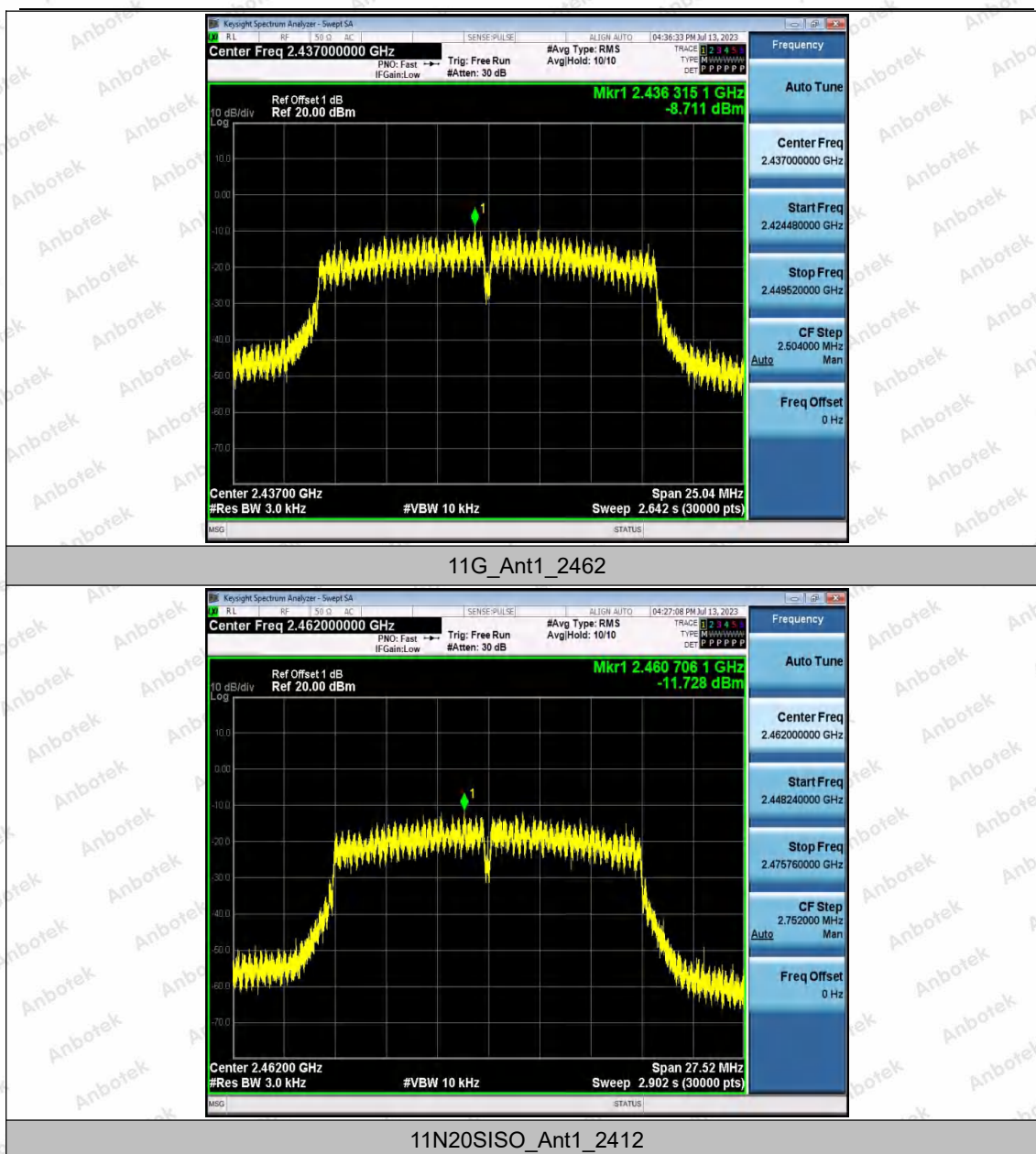
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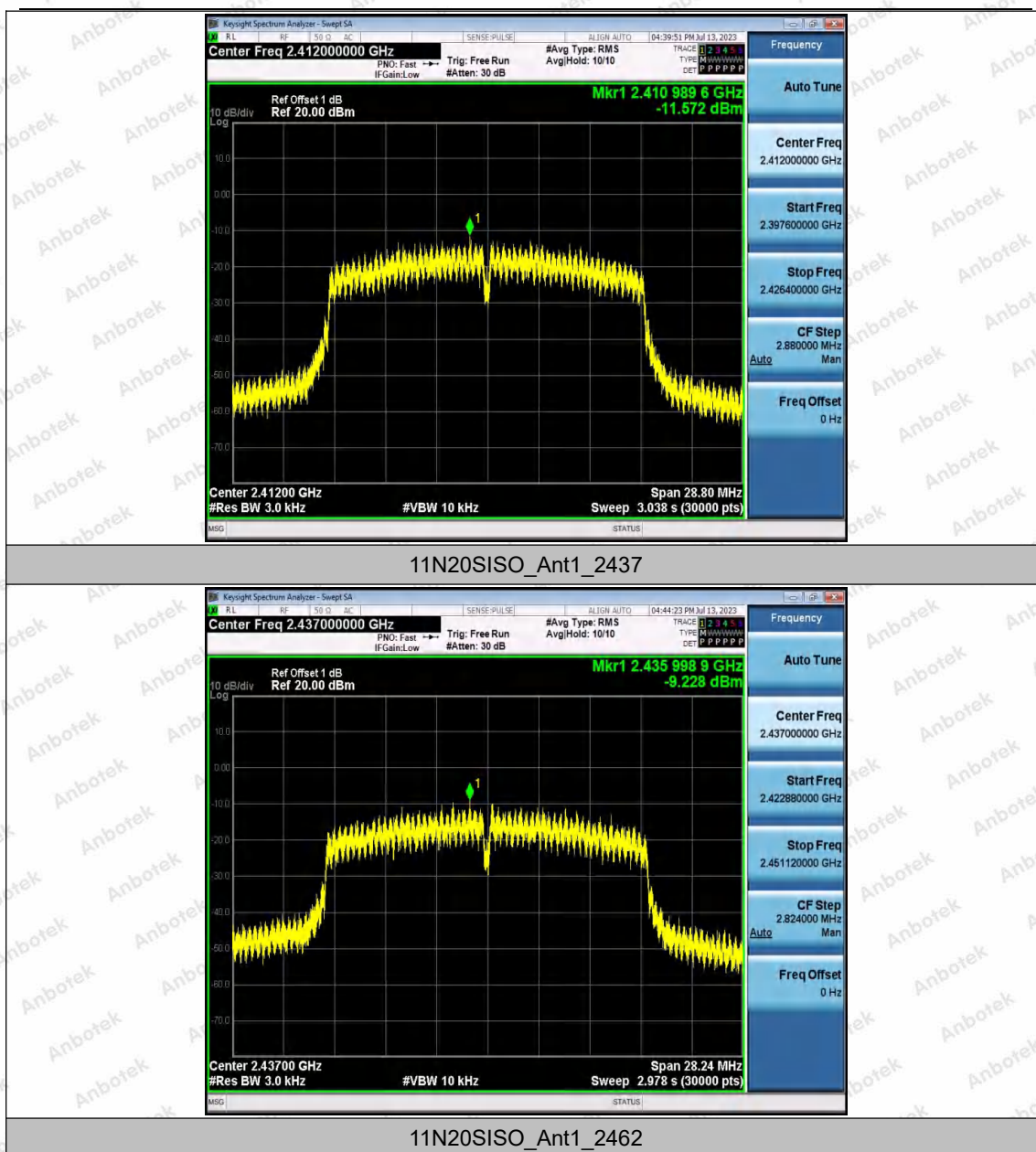
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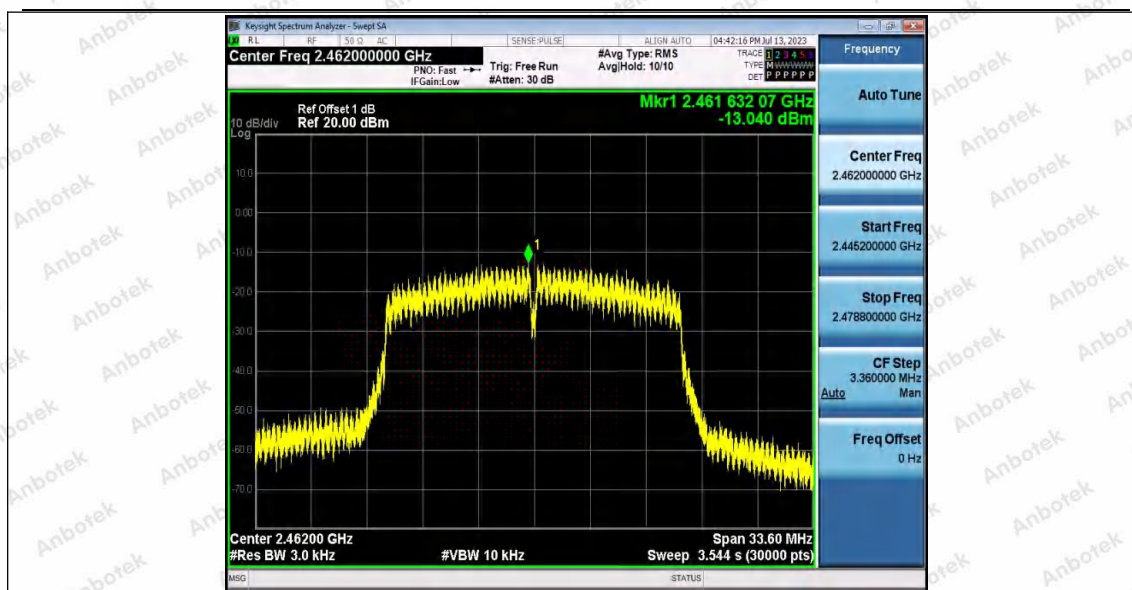
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.57	-24.07	≤-11.43	PASS
		High	2462	8.56	-43.08	≤-11.44	PASS
11G	Ant1	Low	2412	0.34	-31.31	≤-19.66	PASS
		High	2462	1.00	-48.89	≤-19	PASS
11N20SISO	Ant1	Low	2412	0.15	-33.18	≤-19.85	PASS
		High	2462	1.41	-49.53	≤-18.59	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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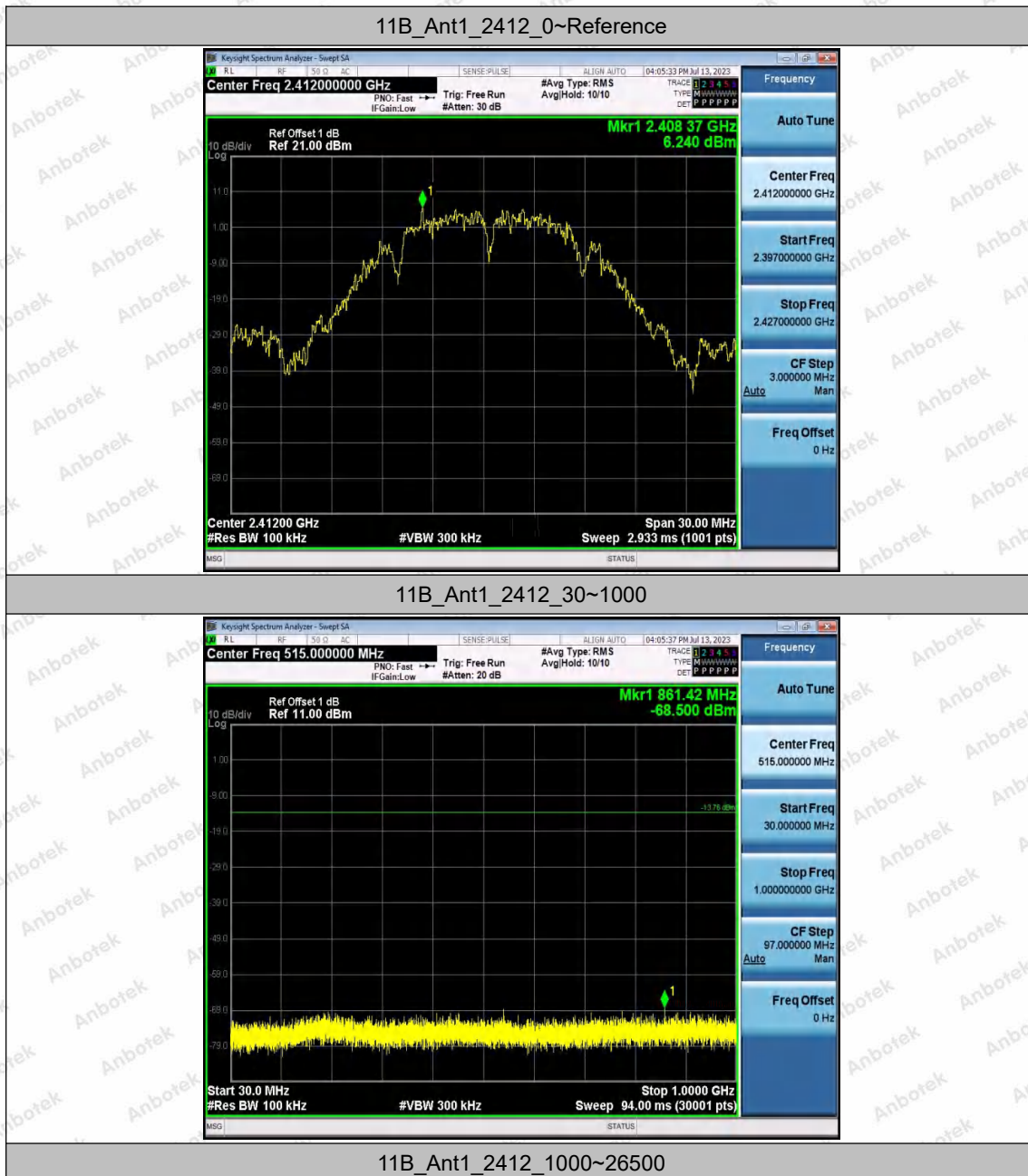
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-68.5	≤-13.76	PASS
			1000~26500	6.24	-52.43	≤-13.76	PASS
		2437	Reference	8.20	8.20	---	PASS
			30~1000	8.20	-62.85	≤-11.8	PASS
			1000~26500	8.20	-53.71	≤-11.8	PASS
		2462	Reference	7.00	7.00	---	PASS
			30~1000	7.00	-69.34	≤-13	PASS
			1000~26500	7.00	-53.51	≤-13	PASS
11G	Ant1	2412	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-68.38	≤-21.79	PASS
			1000~26500	-1.79	-53.67	≤-21.79	PASS
		2437	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-68.35	≤-19.12	PASS
			1000~26500	0.88	-53.54	≤-19.12	PASS
		2462	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-63.29	≤-21.01	PASS
			1000~26500	-1.01	-53.49	≤-21.01	PASS
11N20SISO	Ant1	2412	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-69.66	≤-21.08	PASS
			1000~26500	-1.08	-53.64	≤-21.08	PASS
		2437	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-63.62	≤-19.95	PASS
			1000~26500	0.05	-53.62	≤-19.95	PASS
		2462	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-69.12	≤-21.33	PASS
			1000~26500	-1.33	-53.88	≤-21.33	PASS



Test Graphs



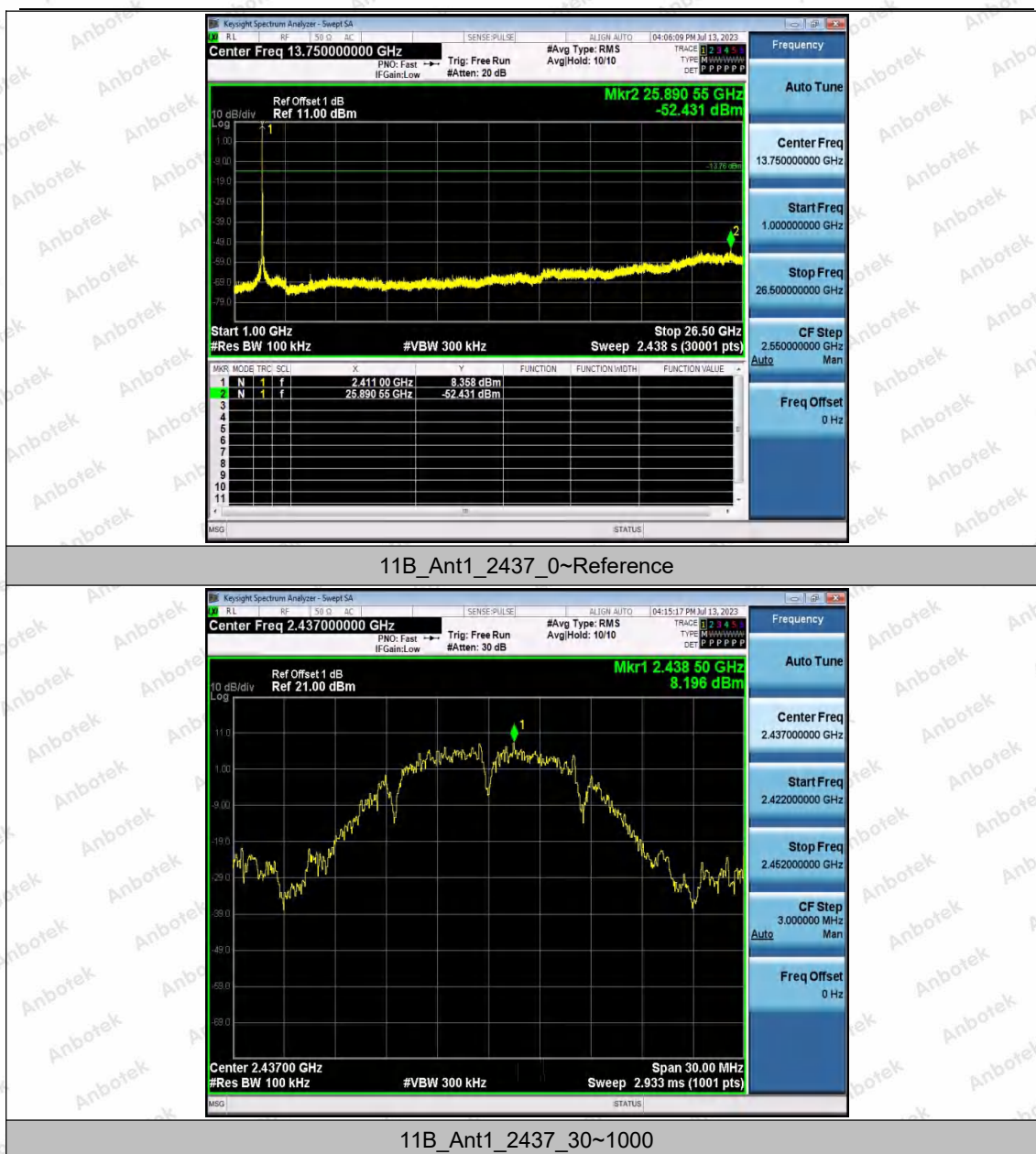
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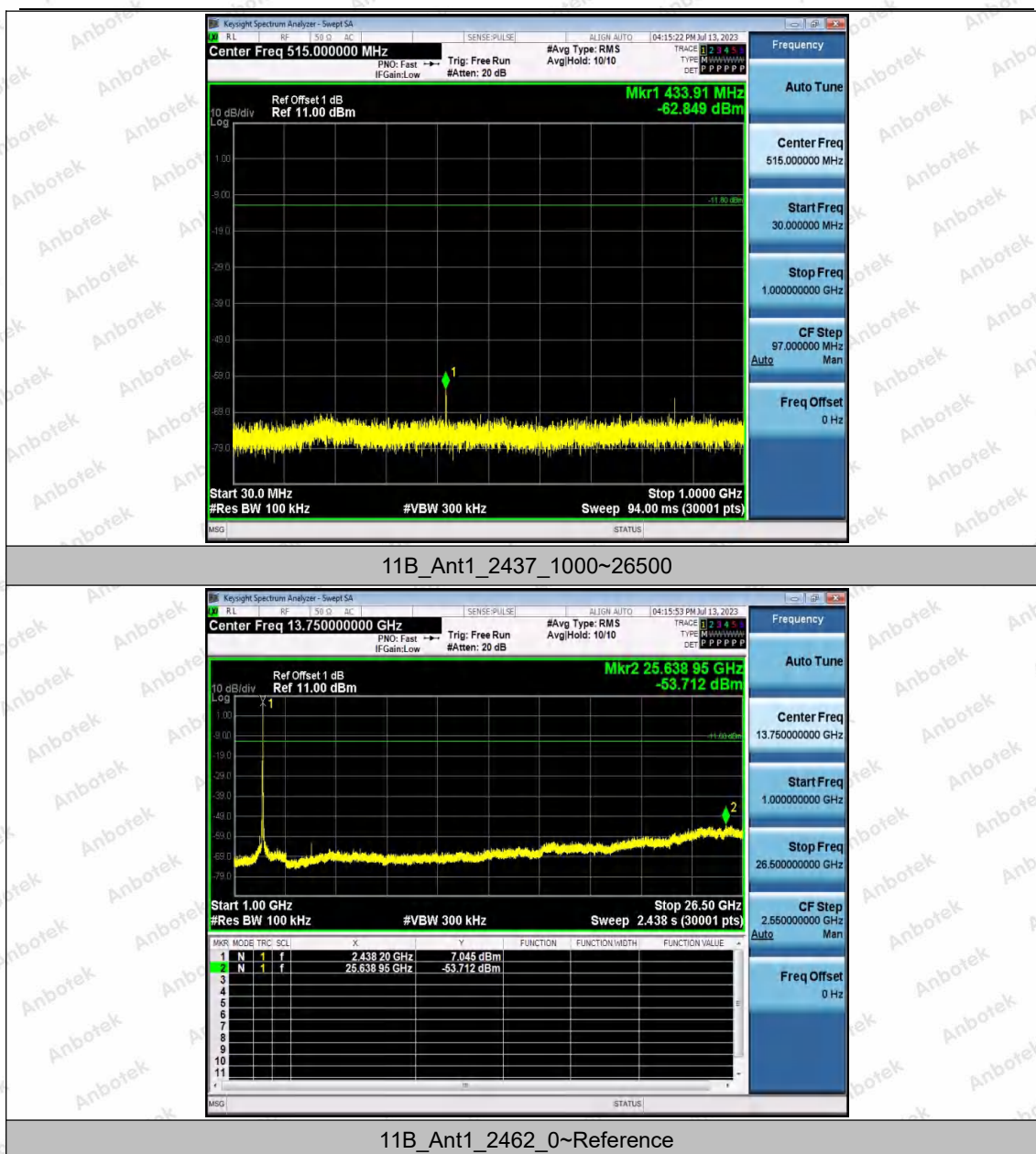
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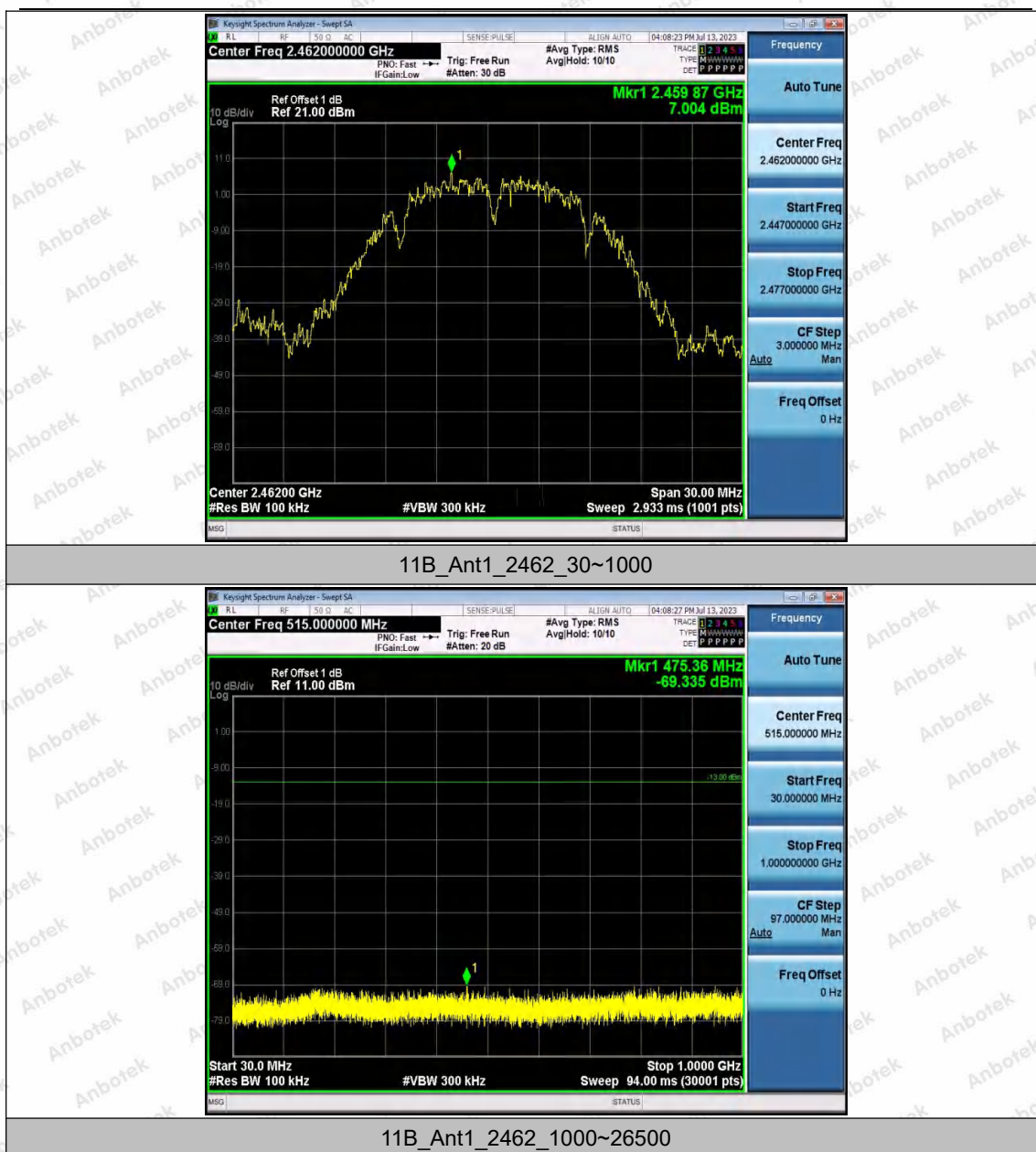
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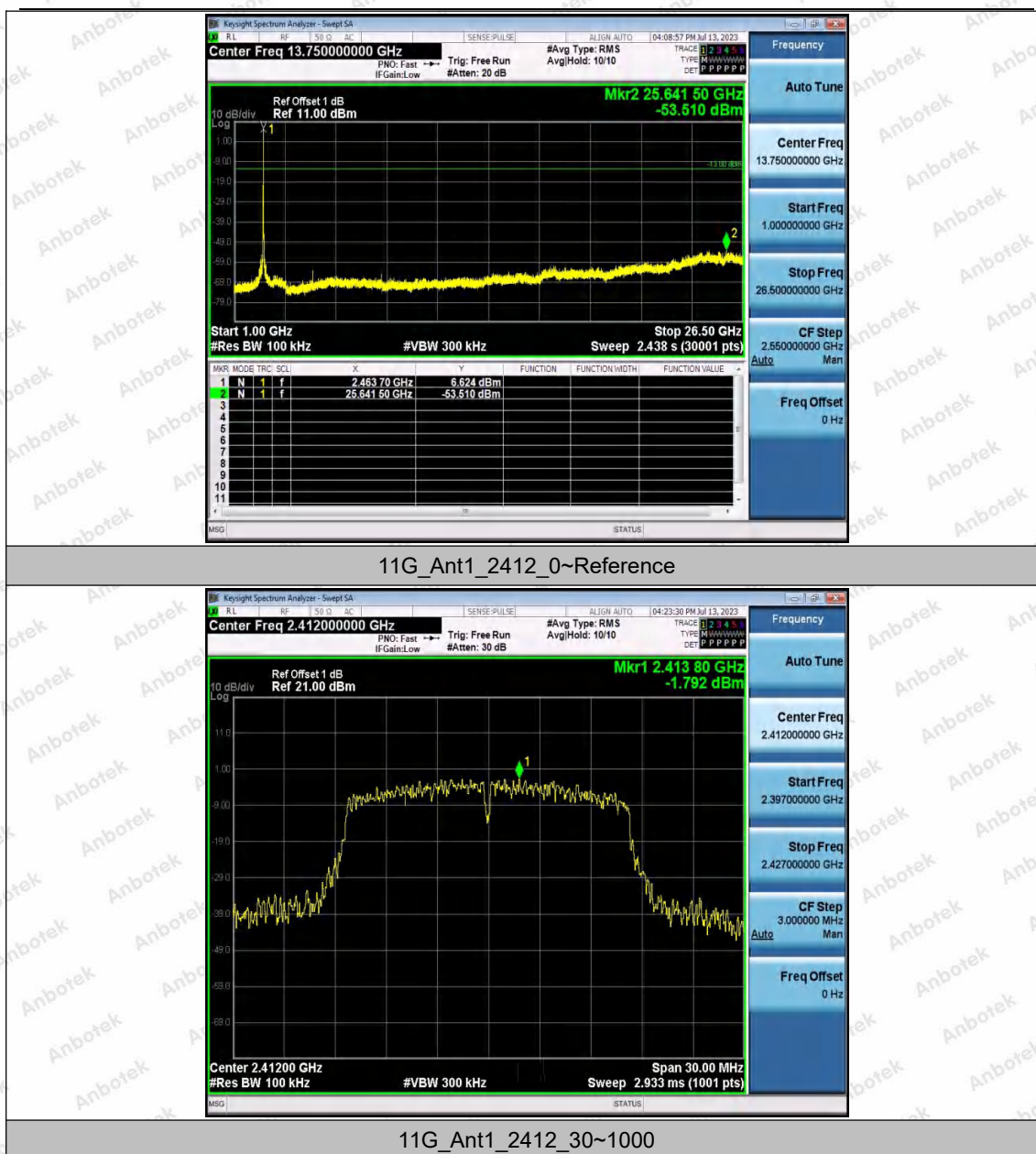
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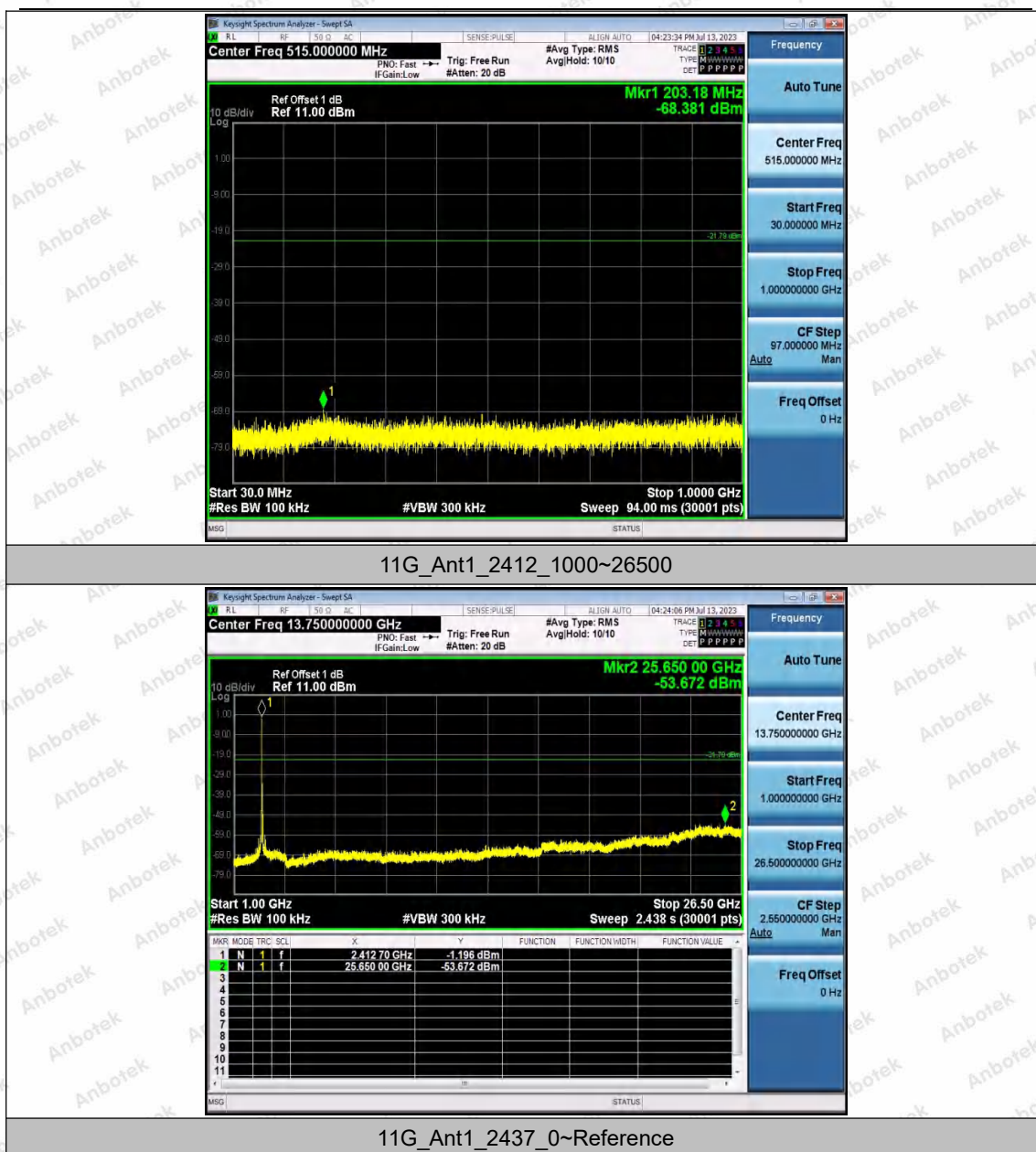
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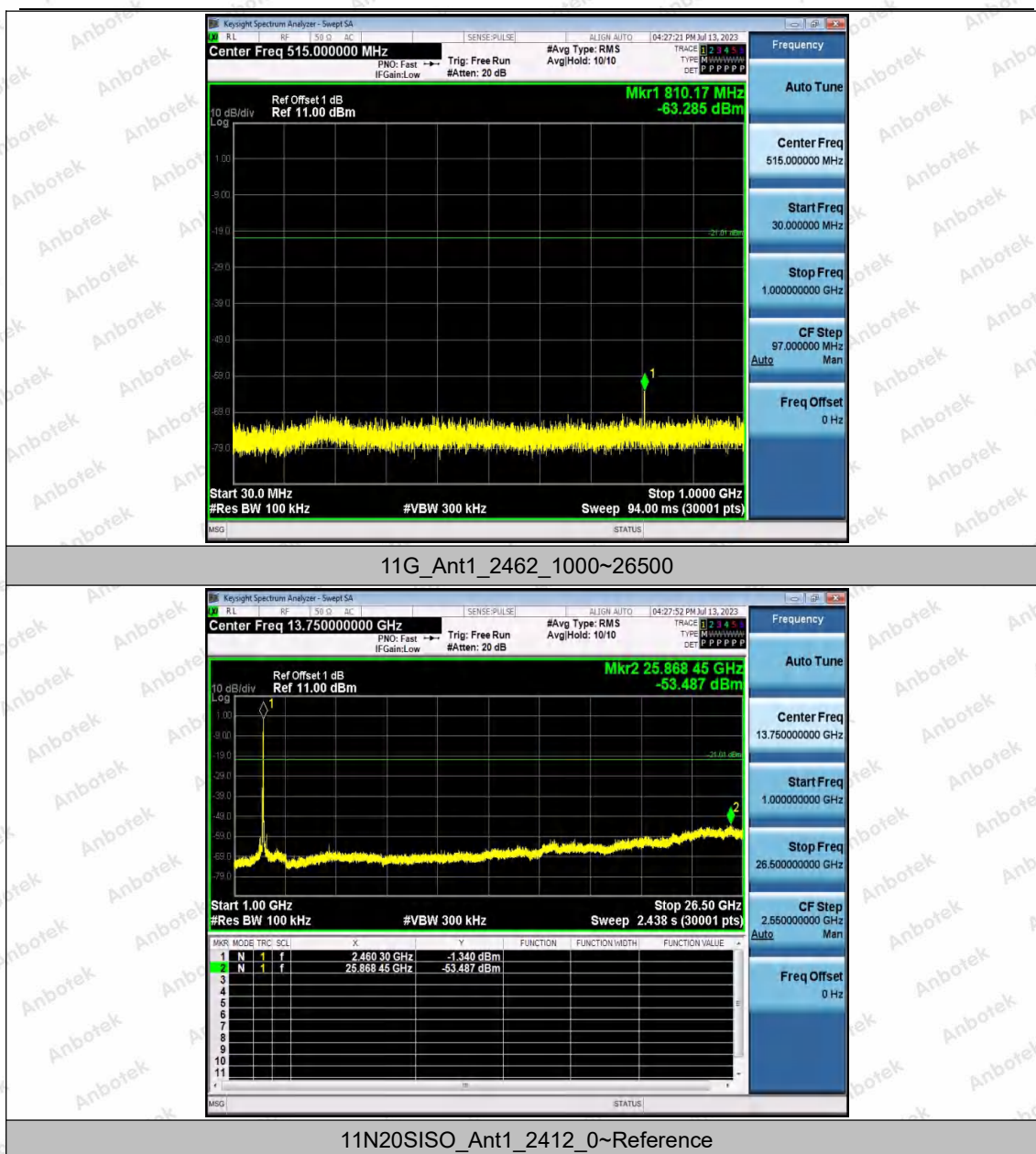
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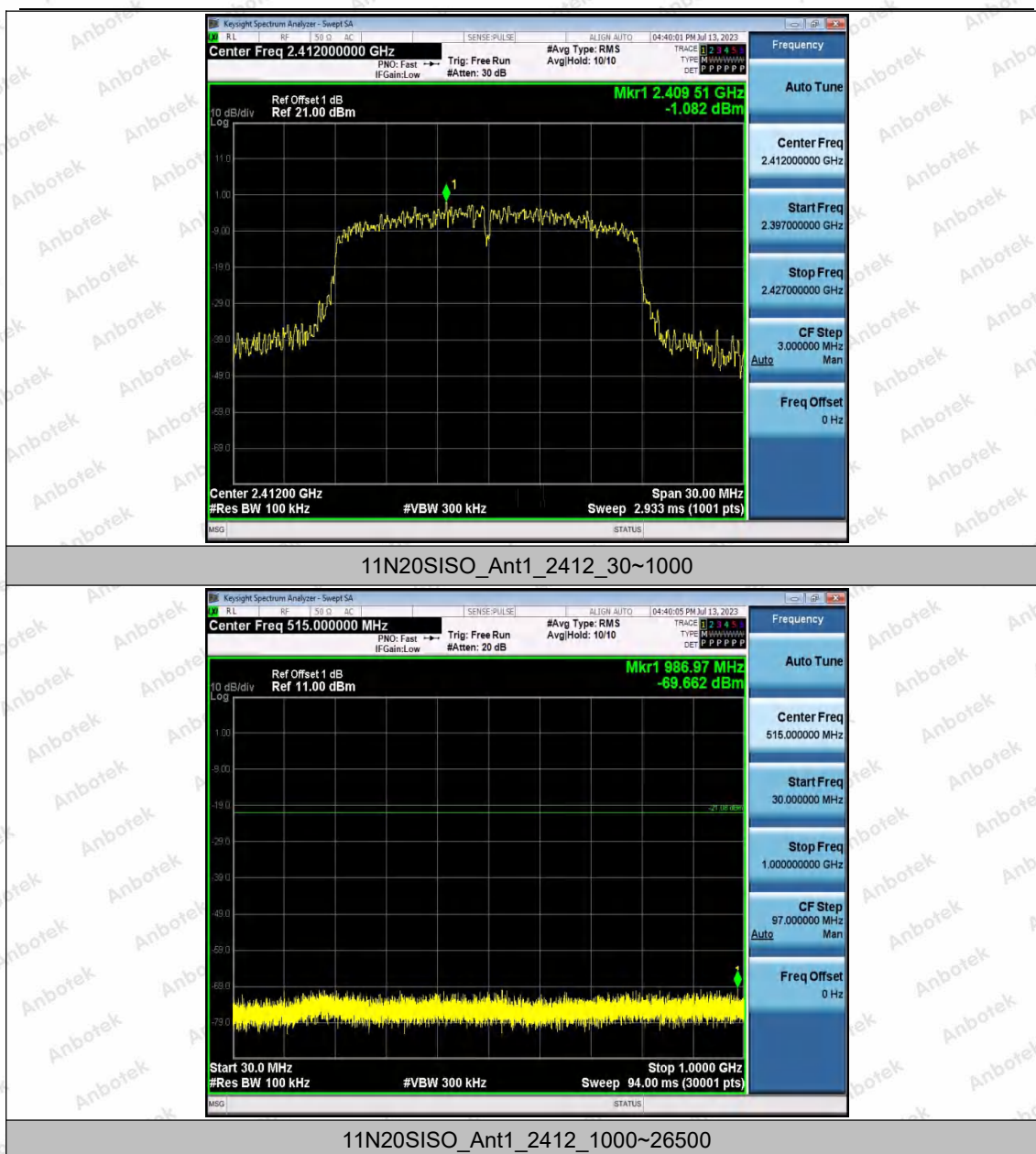
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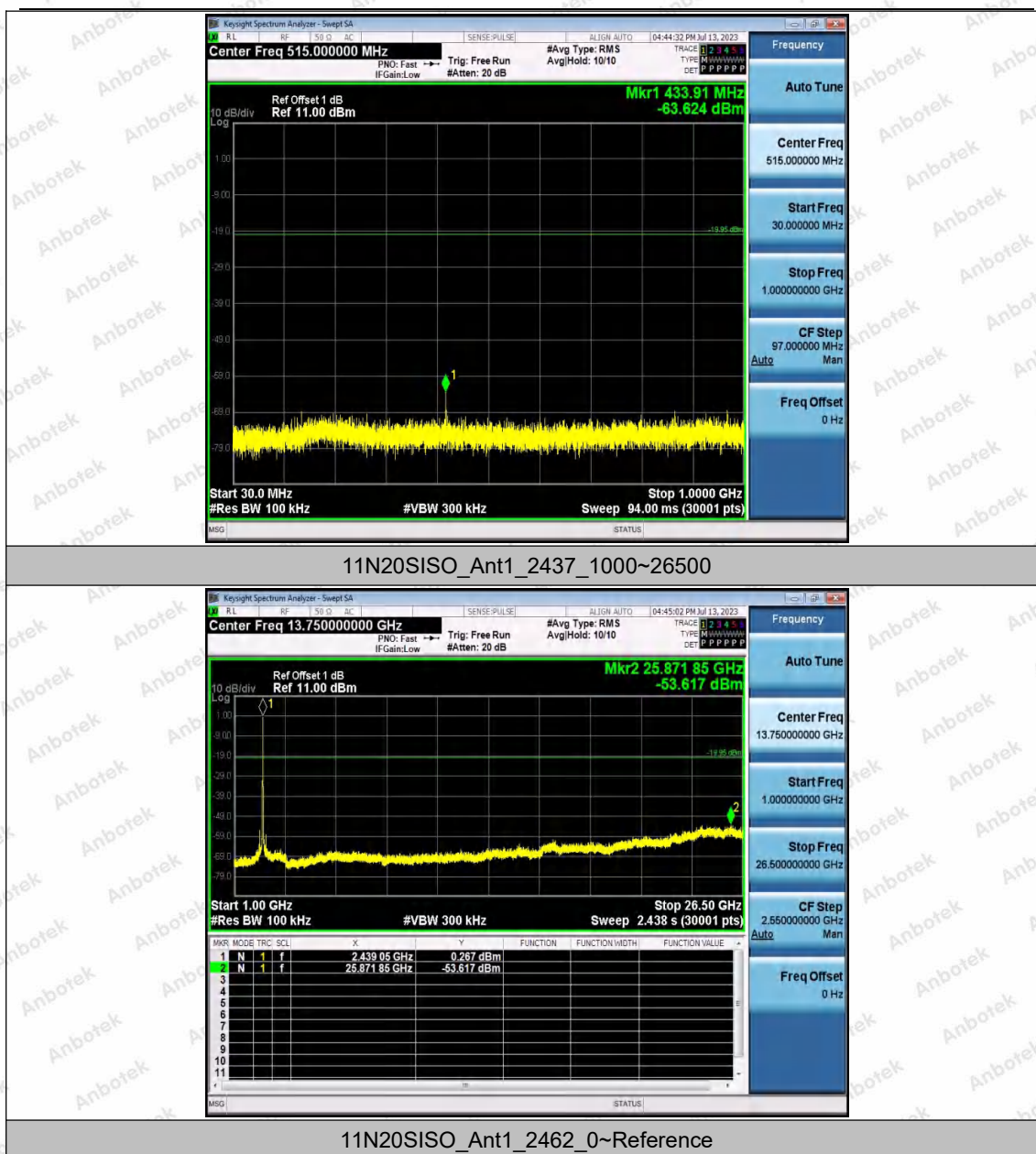
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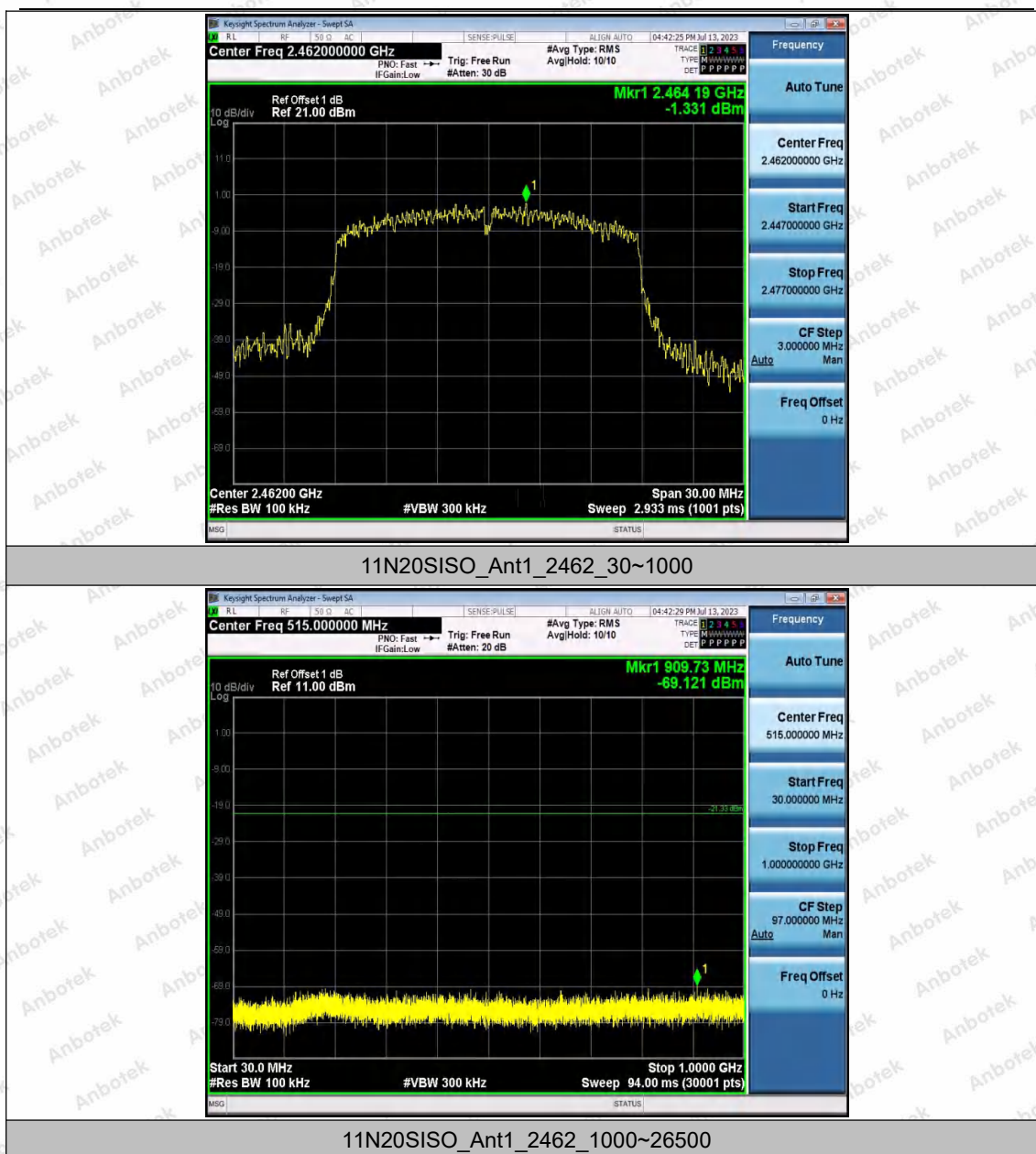
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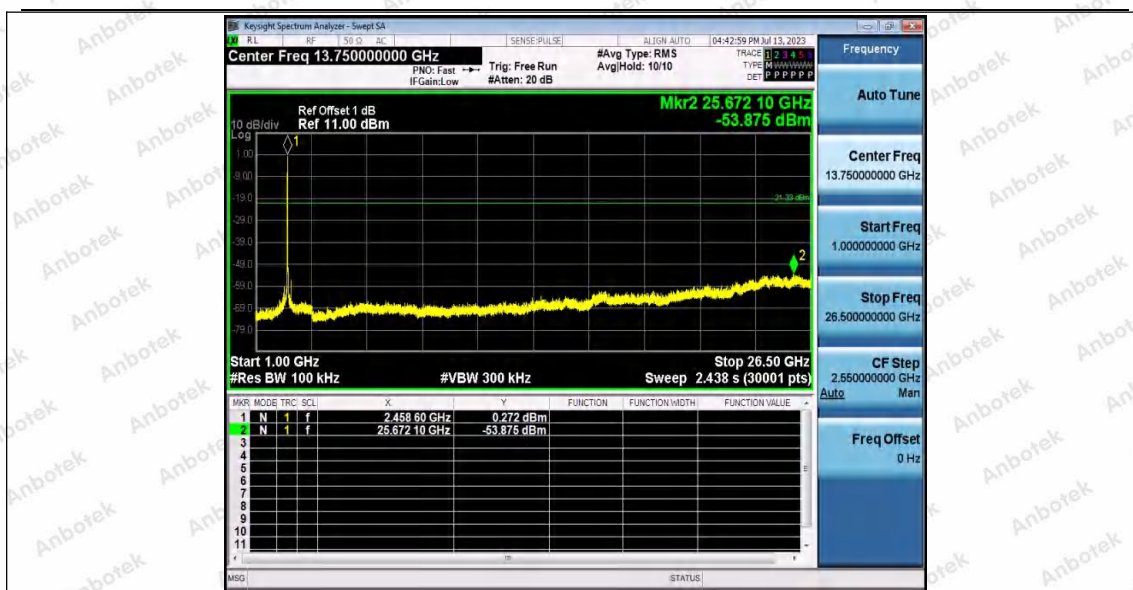
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.20	9.38	87.42	0.58
		2437	8.21	9.38	87.53	0.58
		2462	8.20	9.38	87.42	0.58
11G	Ant1	2412	12.03	12.04	99.92	0.00
		2437	12.03	12.04	99.92	0.00
		2462	12.03	12.04	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

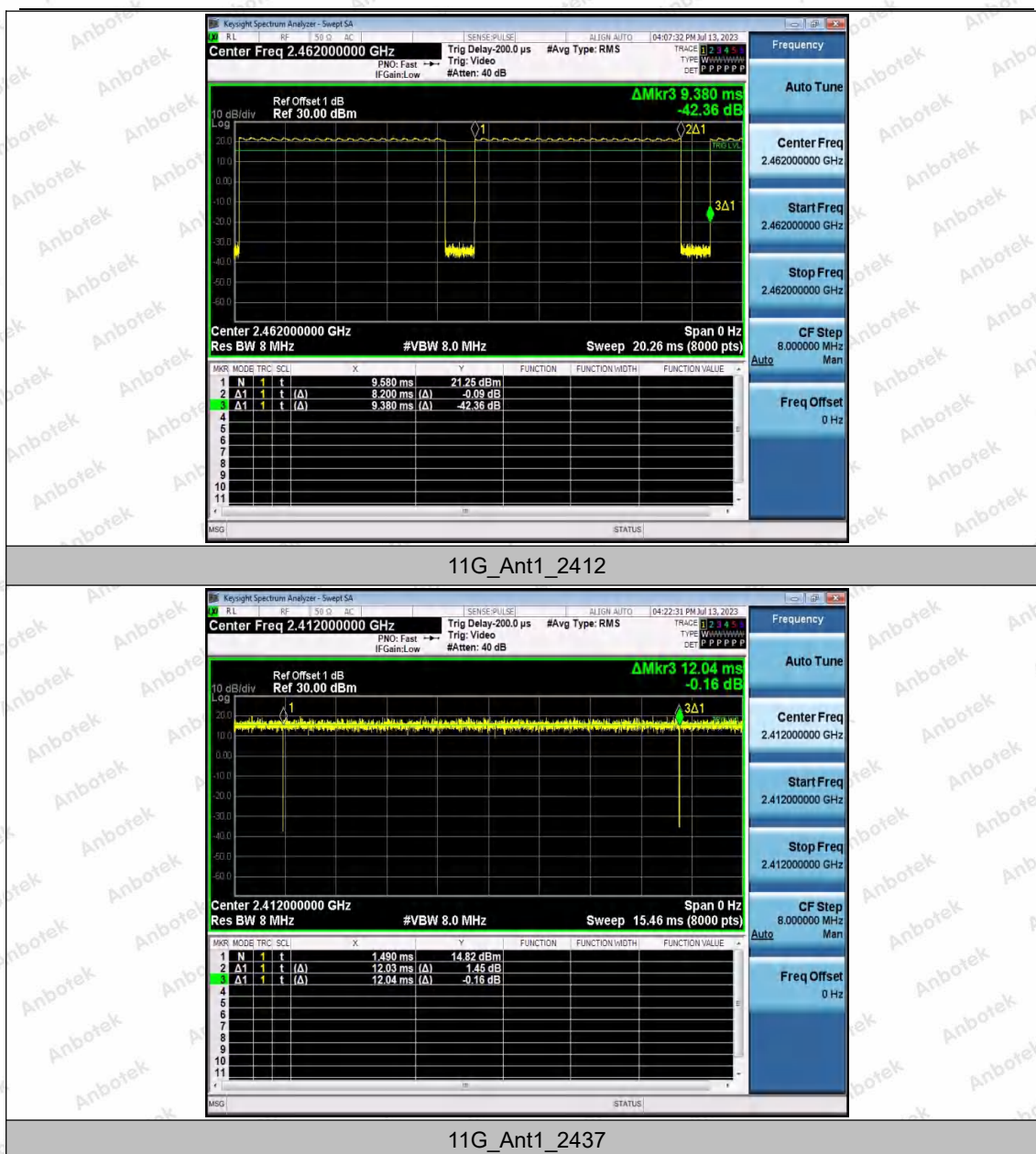
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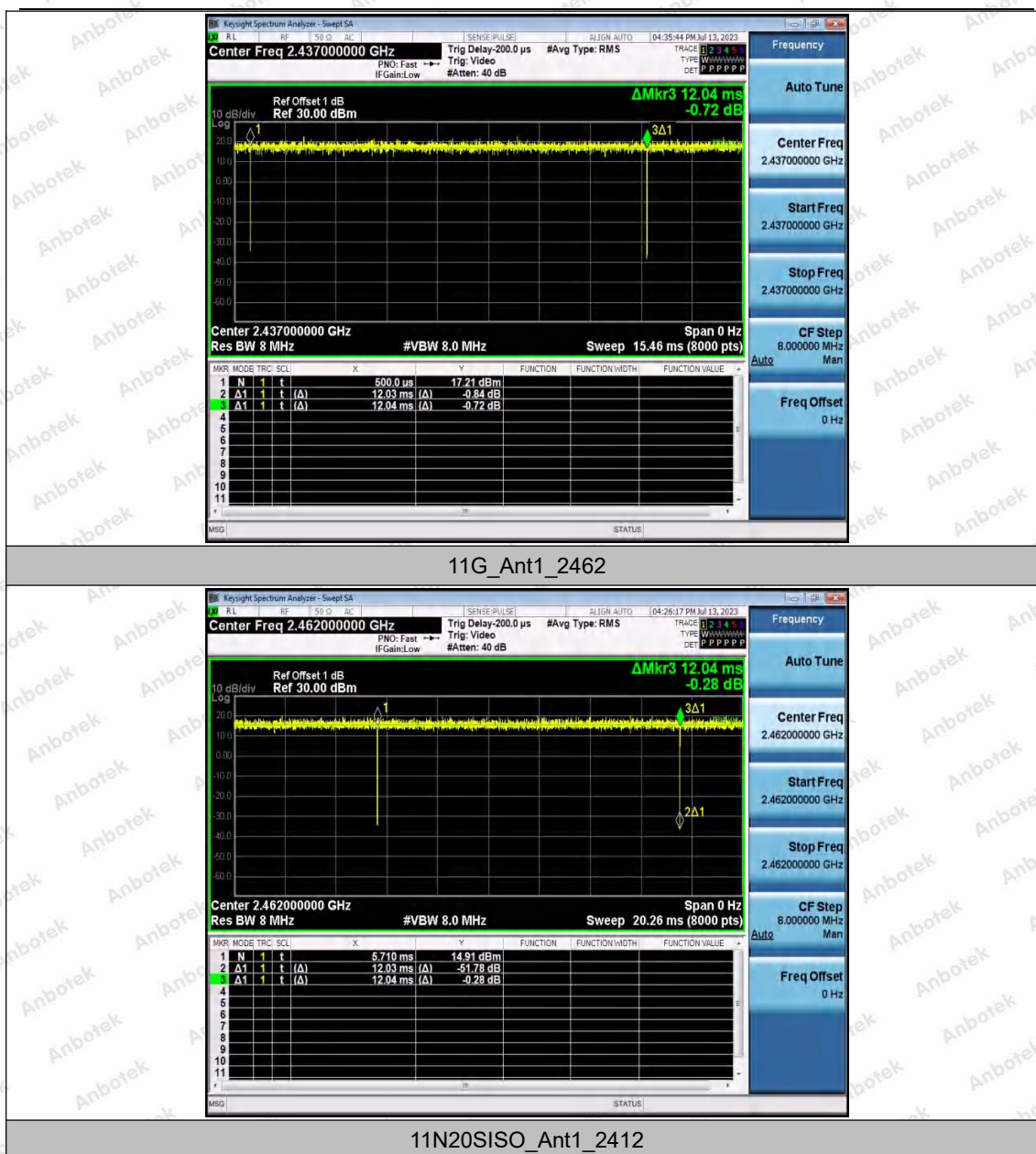
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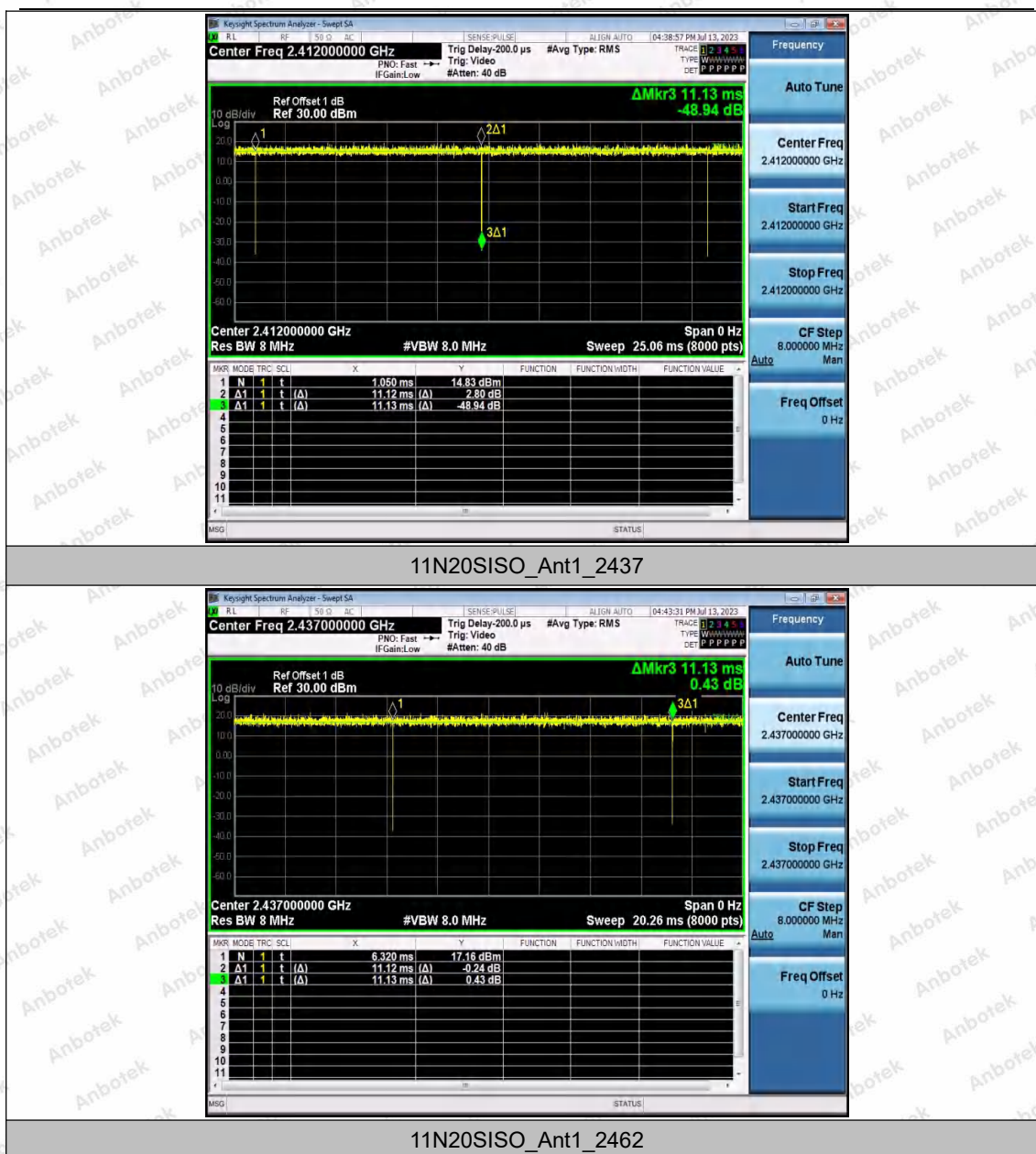
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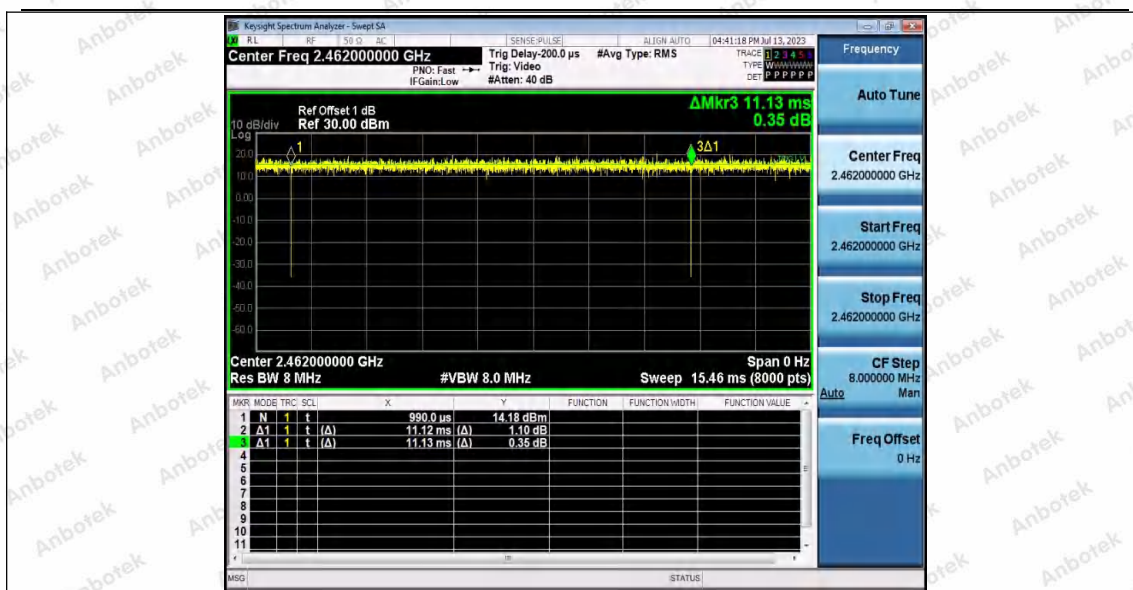
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