

Appendix Test Data

Report No.:	18220WC20275402	Test Sample No.:	1-2-2
Start Test Date:	2022.12.5	Finish Test Date:	2022.12.14
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	47 %
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	9.480	2407.520	2417.000	≥0.5	PASS
		2437	9.000	2432.520	2441.520	≥0.5	PASS
		2462	9.560	2457.480	2467.040	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
		2437	16.360	2428.800	2445.160	≥0.5	PASS
		2462	16.360	2453.800	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

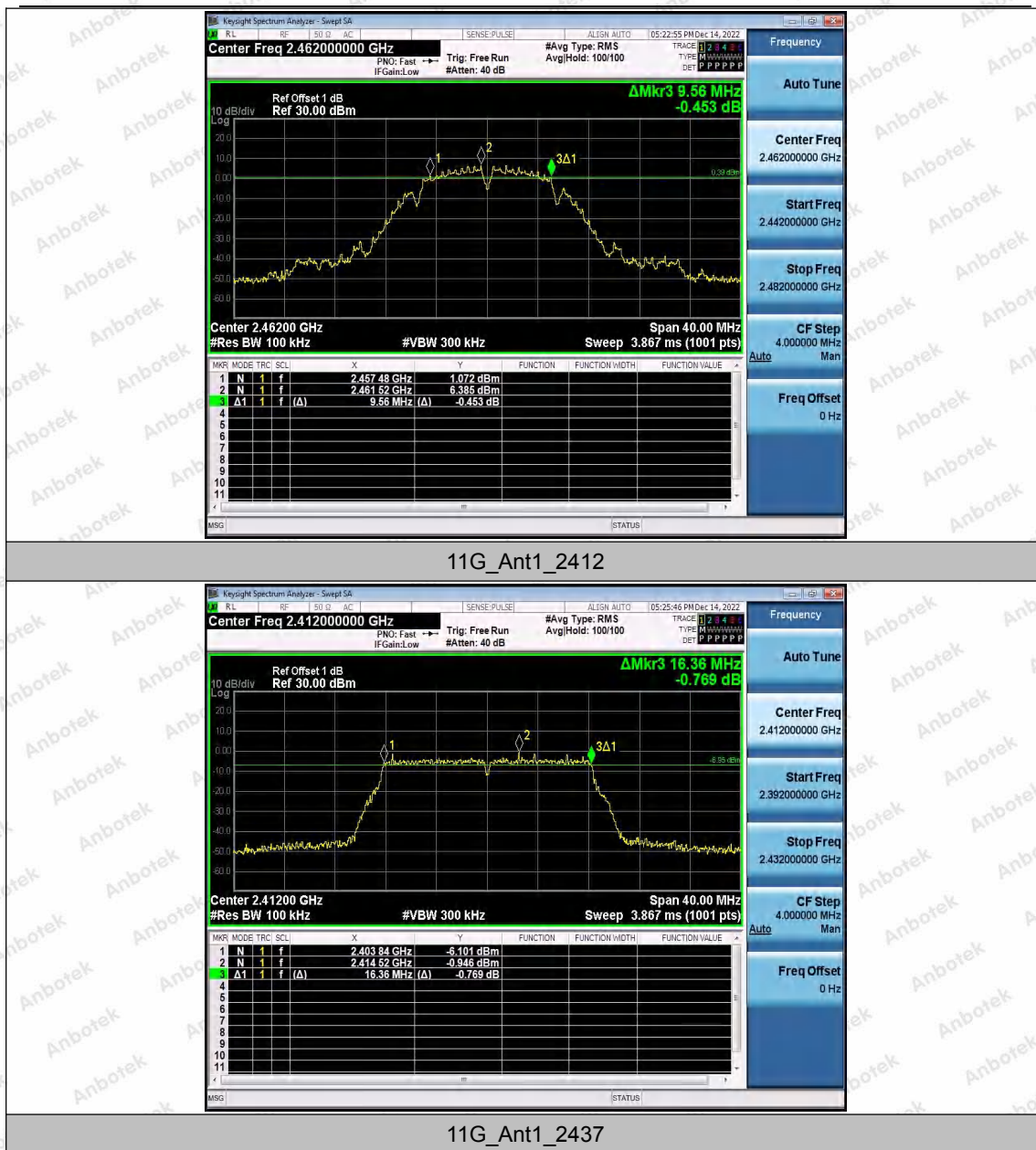
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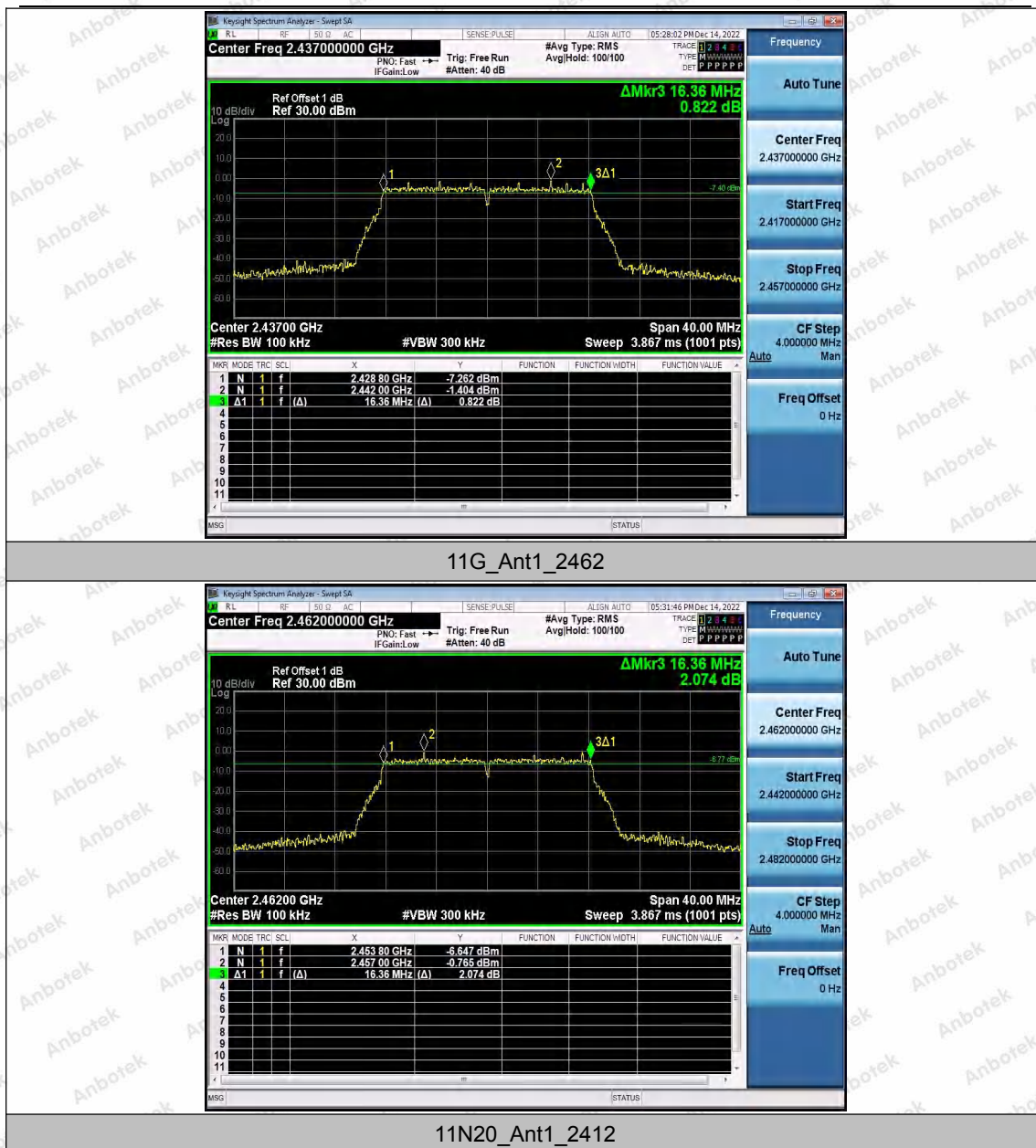
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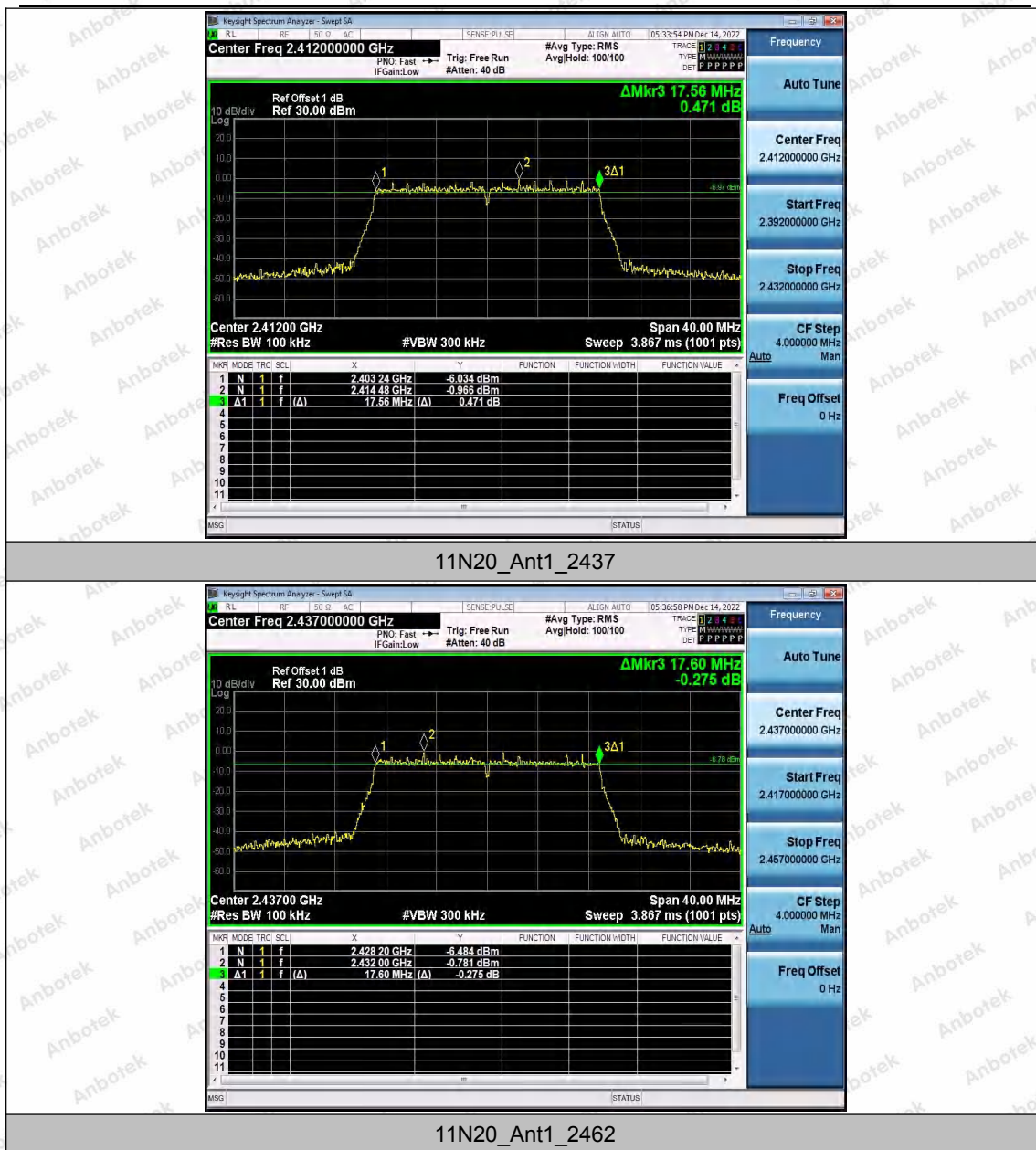


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.337	2405.8949	2418.2319	---	---
		2437	12.405	2430.7921	2443.1971	---	---
		2462	12.472	2455.8222	2468.2942	---	---
11G	Ant1	2412	17.057	2403.5404	2420.5974	---	---
		2437	17.124	2428.4086	2445.5326	---	---
		2462	17.103	2453.4758	2470.5788	---	---
11N20	Ant1	2412	17.957	2403.0631	2421.0201	---	---
		2437	17.951	2428.0218	2445.9728	---	---
		2462	17.949	2453.0842	2471.0332	---	---



Test Graphs



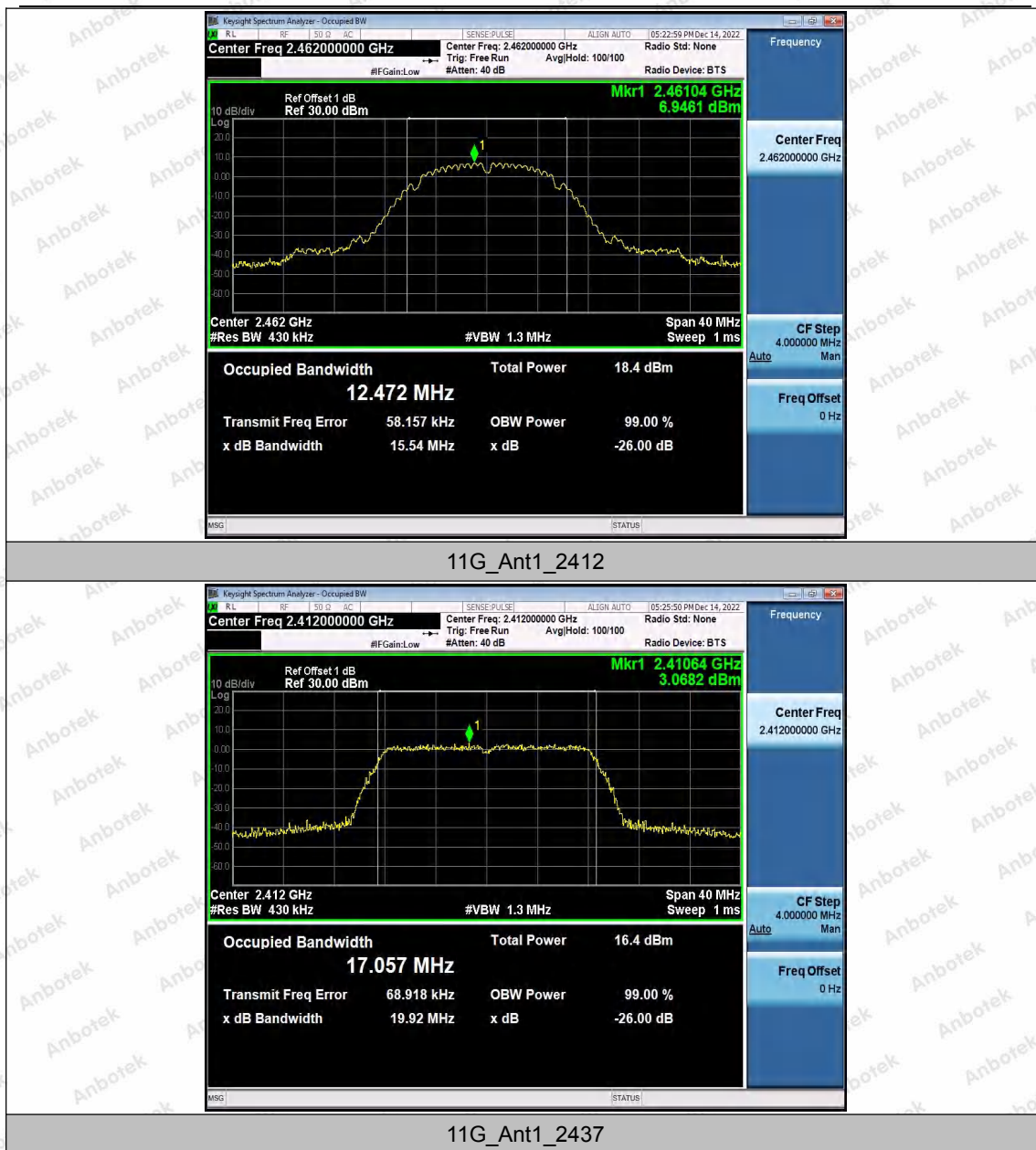
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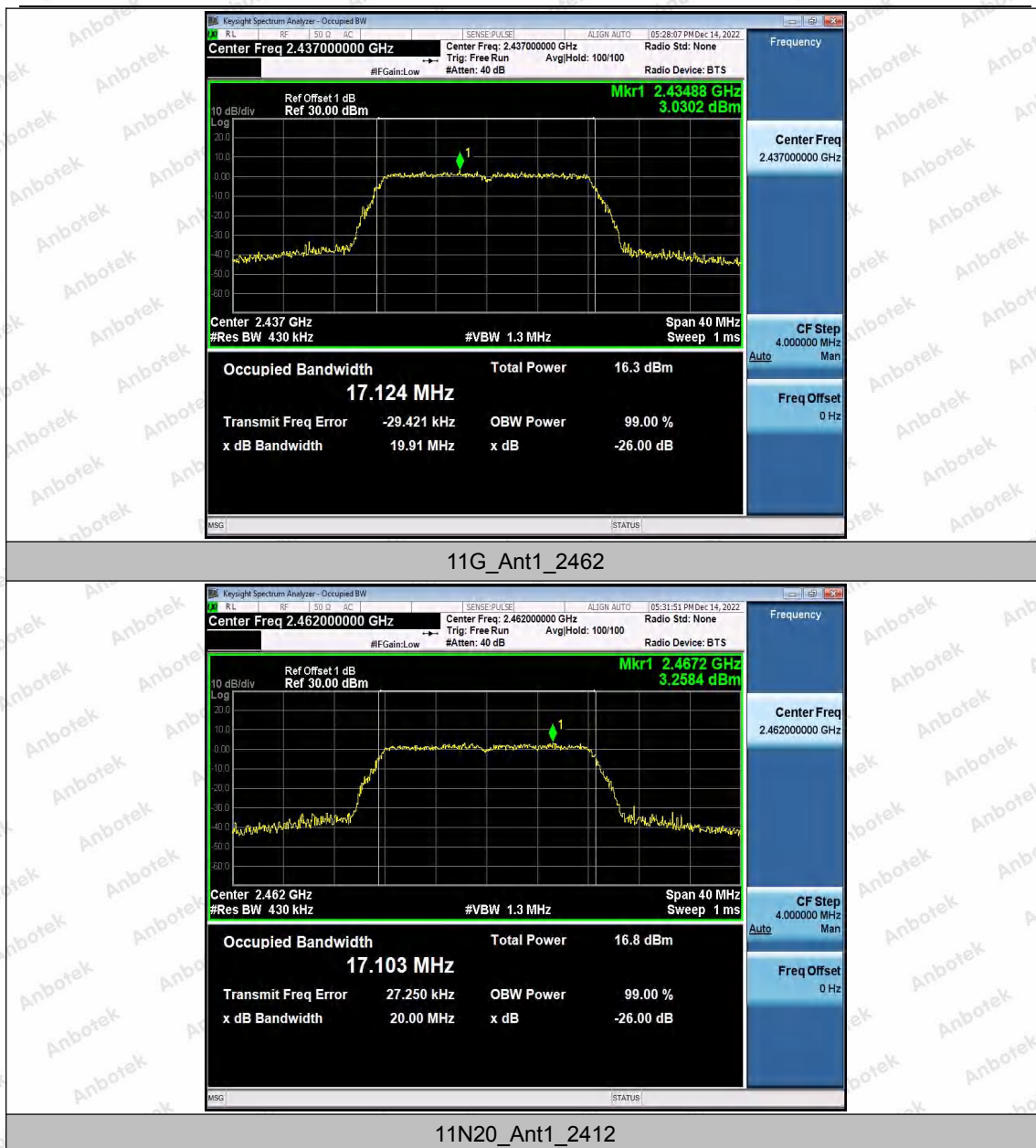
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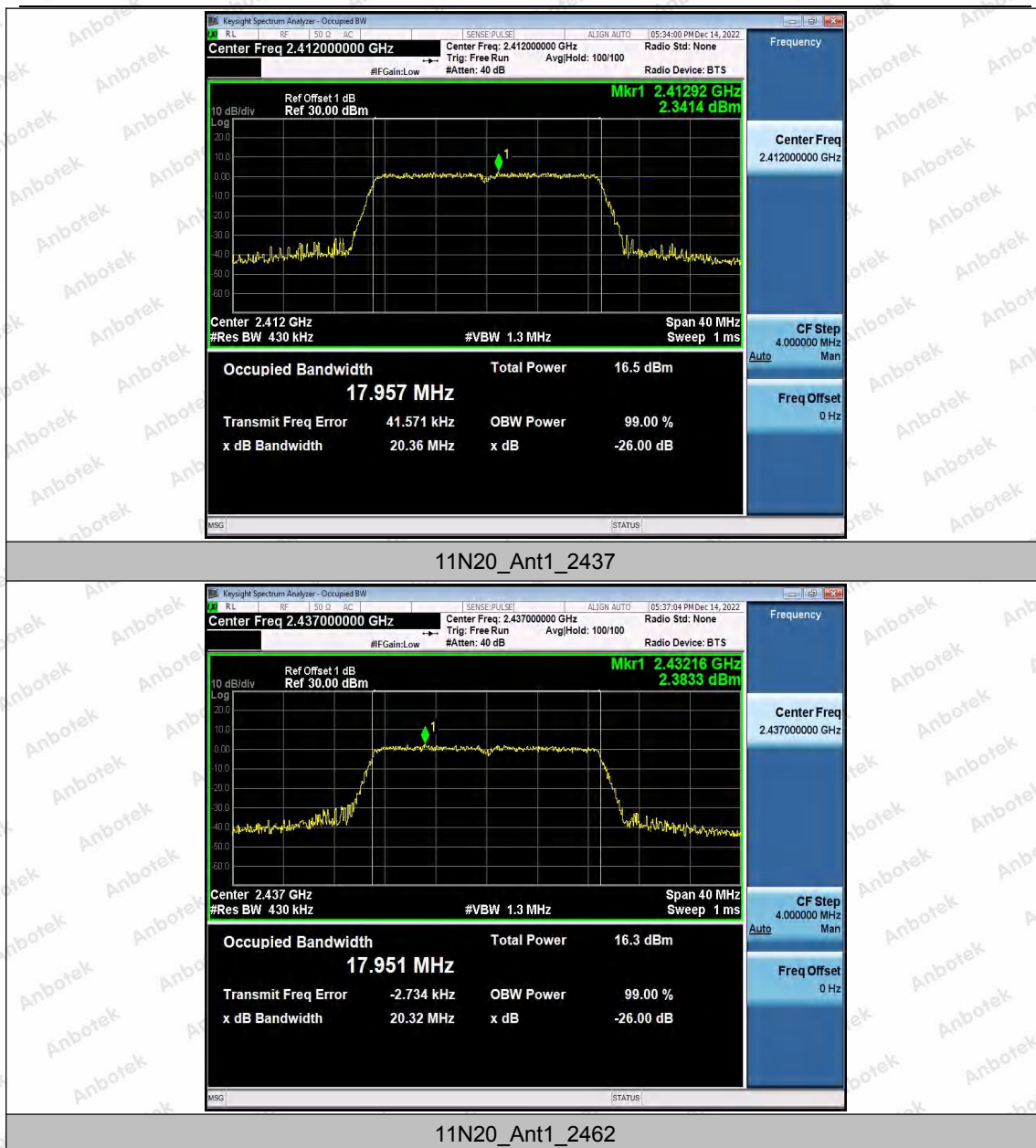
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	18.23	≤30.00
		2437	18.01	≤30.00
		2462	18.44	≤30.00
11G	Ant1	2412	17.64	≤30.00
		2437	17.43	≤30.00
		2462	17.90	≤30.00
11N20	Ant1	2412	17.75	≤30.00
		2437	17.52	≤30.00
		2462	18.04	≤30.00



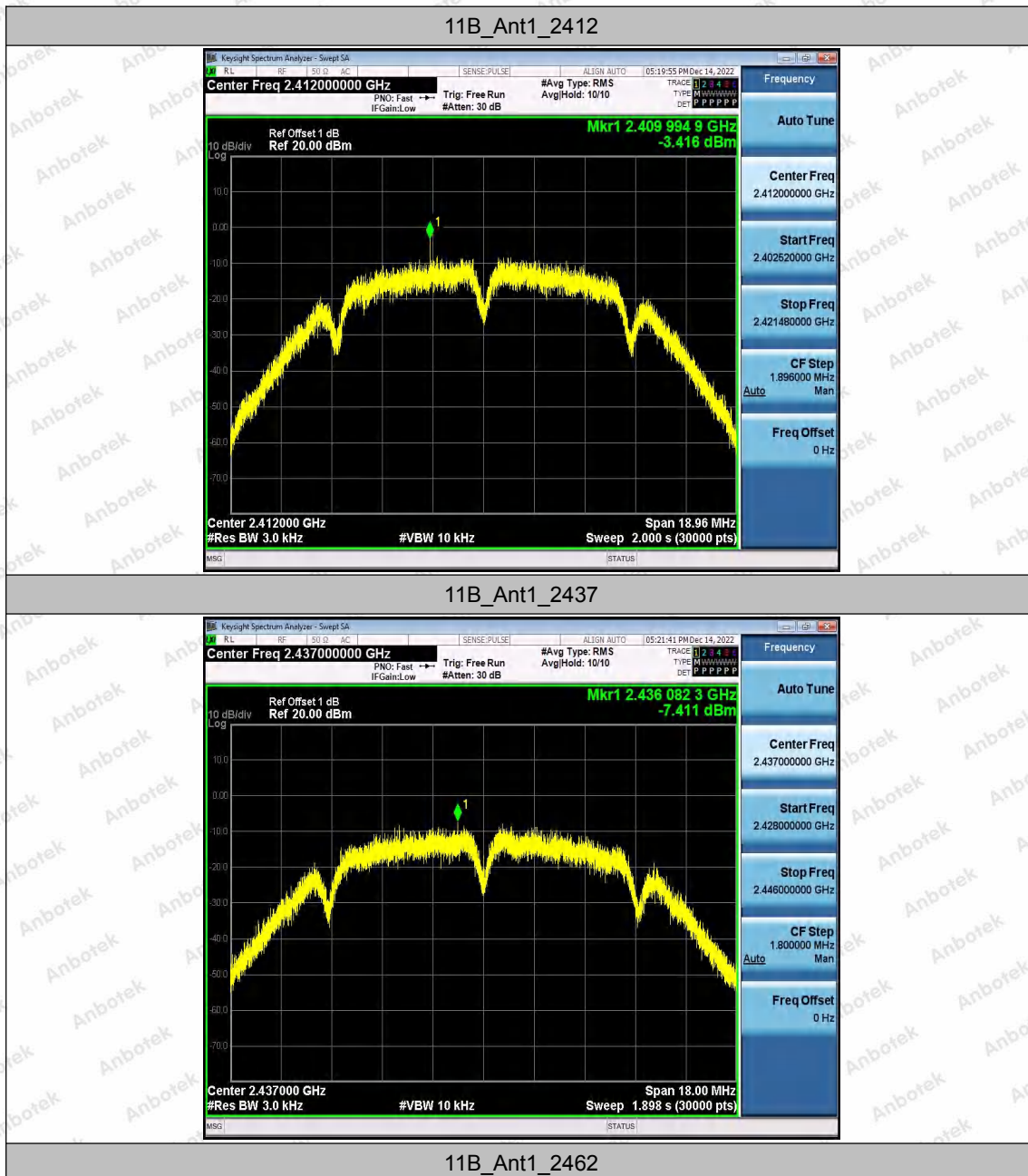
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.42	≤8.00	PASS
		2437	-7.41	≤8.00	PASS
		2462	-7.28	≤8.00	PASS
11G	Ant1	2412	-14.56	≤8.00	PASS
		2437	-15.6	≤8.00	PASS
		2462	-13.95	≤8.00	PASS
11N20	Ant1	2412	-14.3	≤8.00	PASS
		2437	-14.86	≤8.00	PASS
		2462	-13.79	≤8.00	PASS



Test Graphs



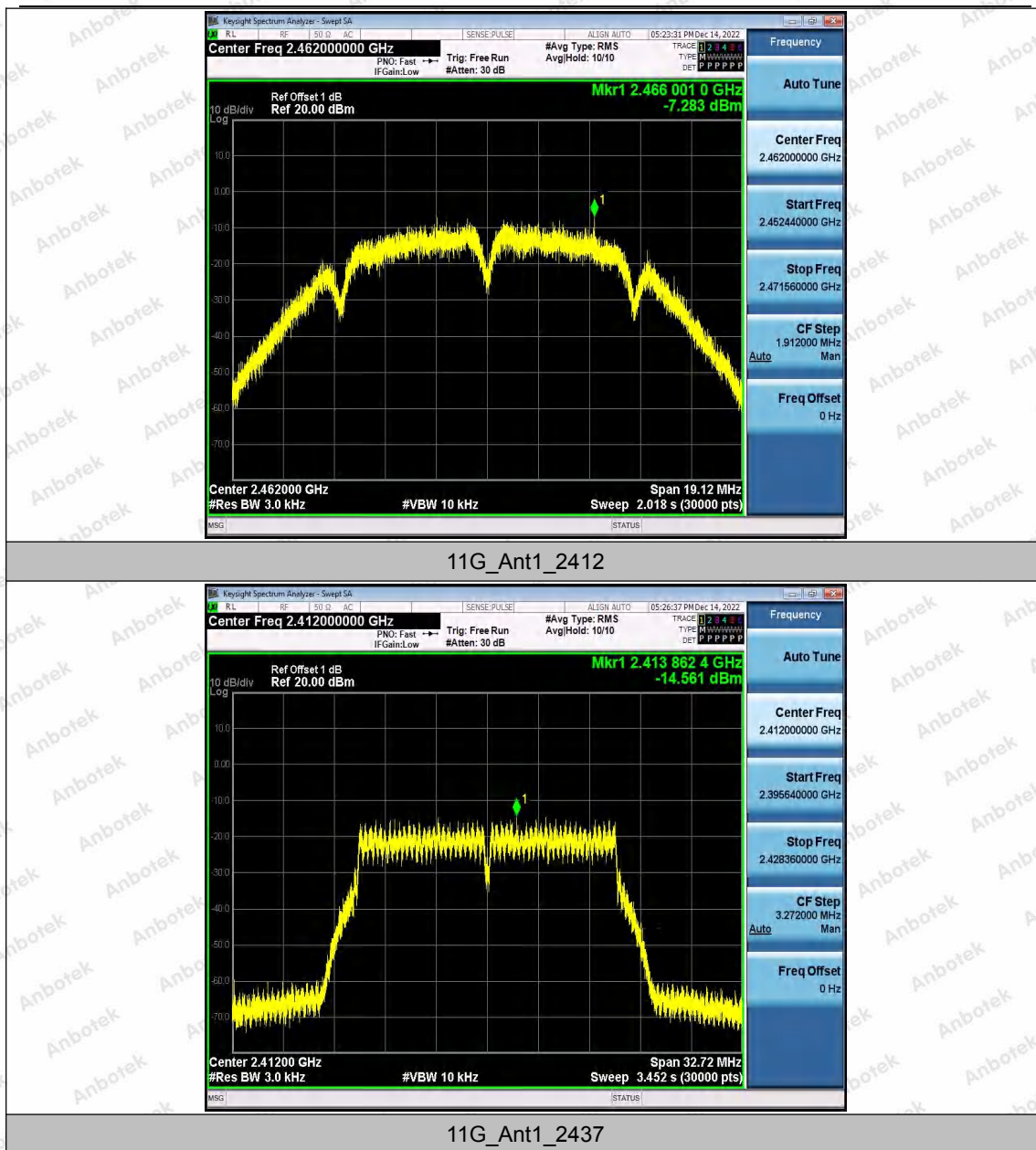
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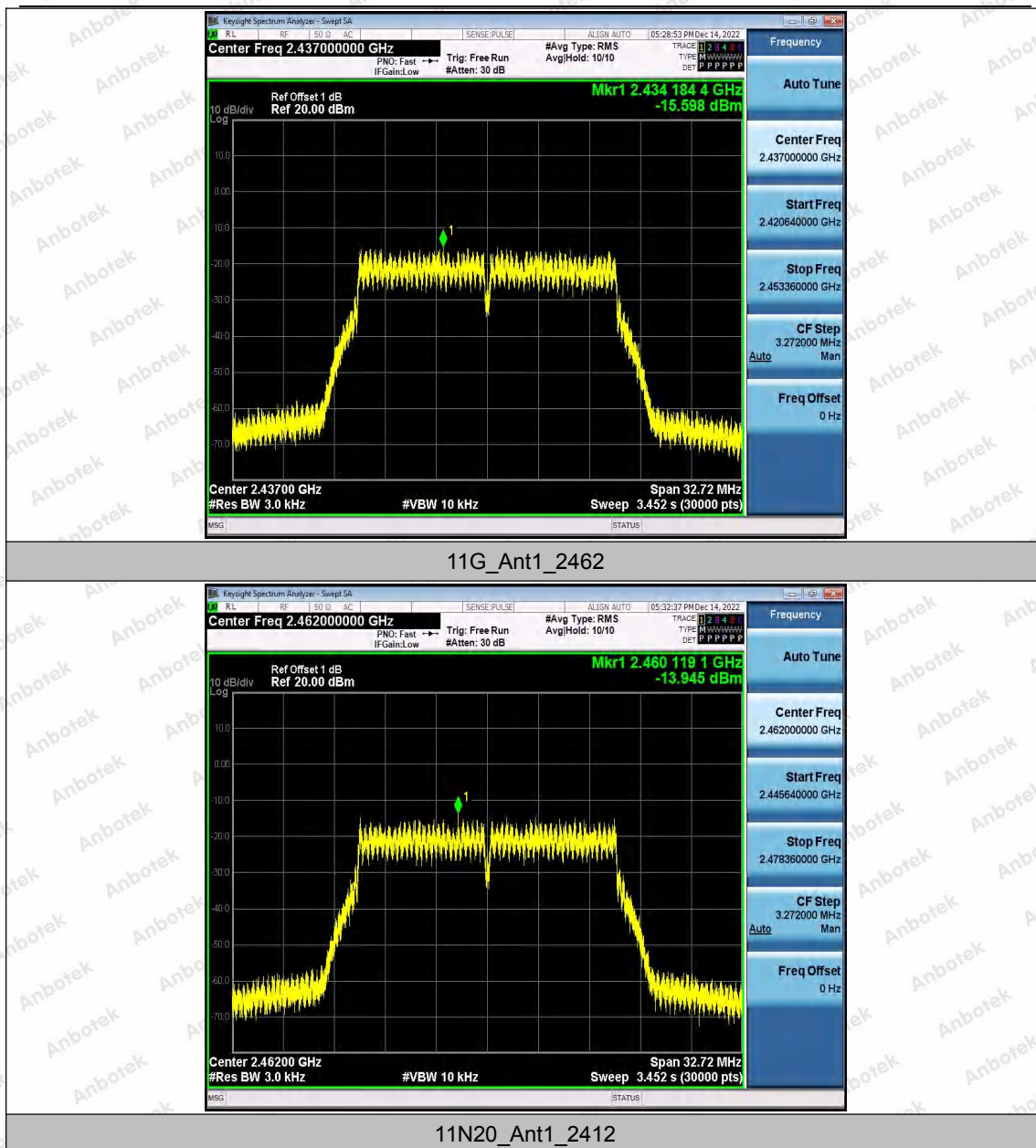
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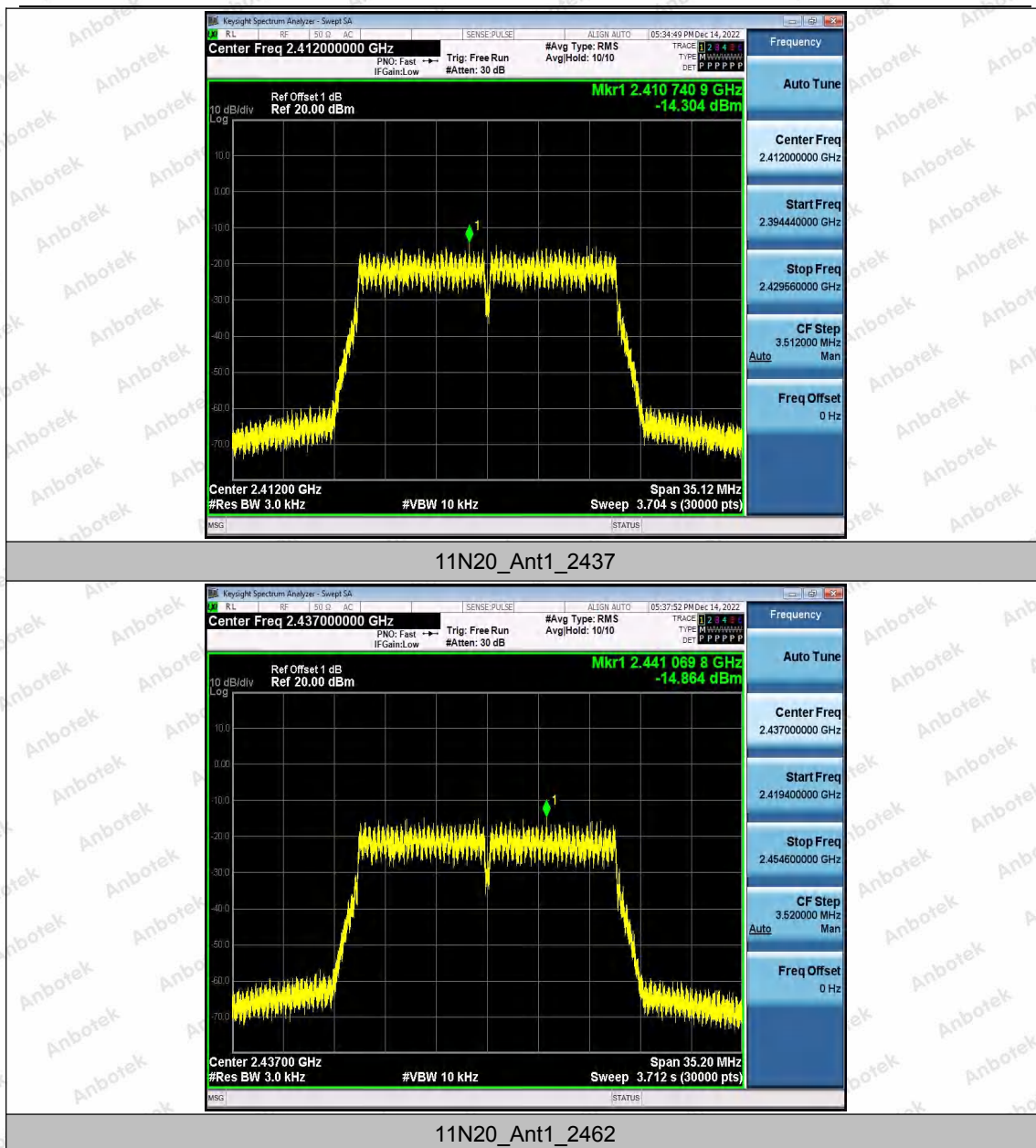
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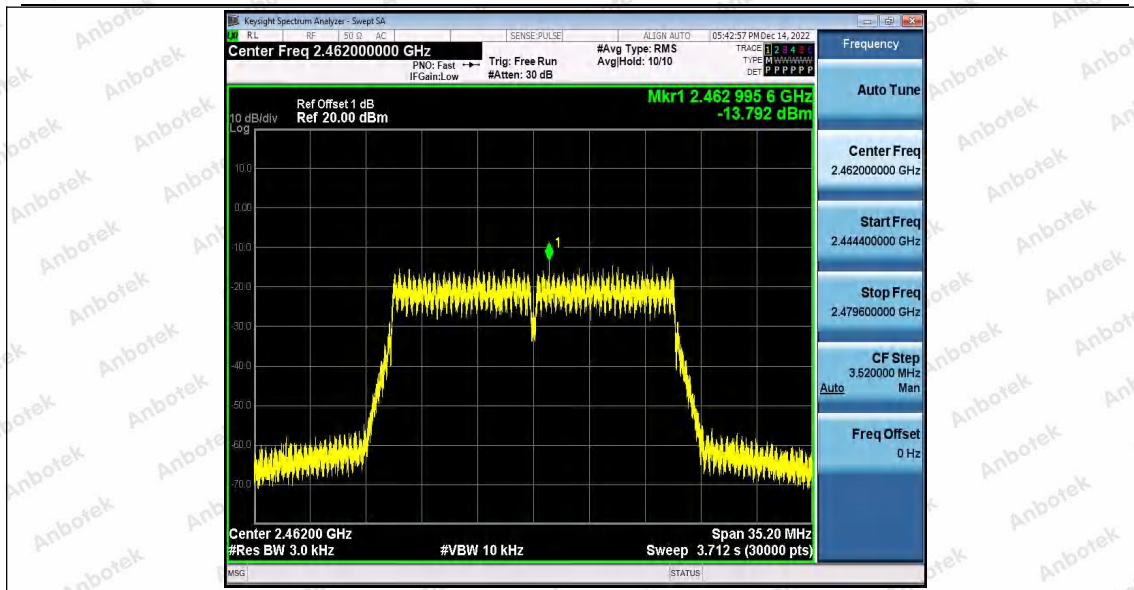
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Appendix E: Band edge measurements

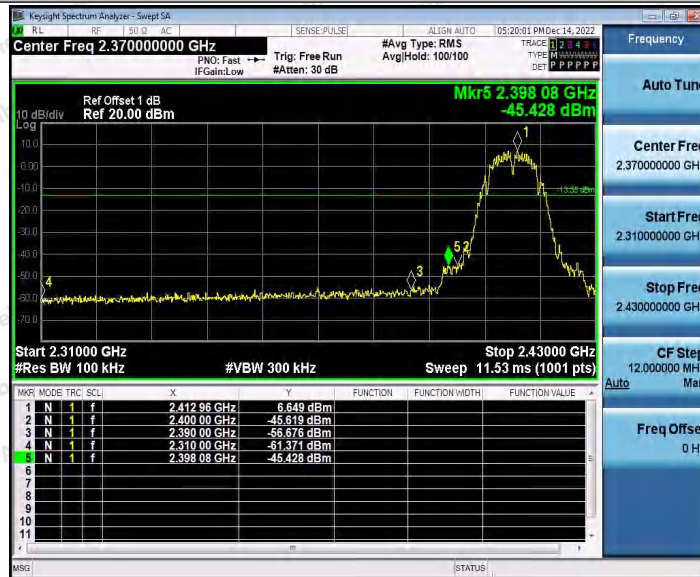
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.65	-45.43	≤-13.35	PASS
		High	2462	6.32	-53.47	≤-13.68	PASS
11G	Ant1	Low	2412	-1.07	-44.02	≤-21.07	PASS
		High	2462	-0.63	-50.92	≤-20.63	PASS
11N20	Ant1	Low	2412	-1.36	-39.98	≤-21.36	PASS
		High	2462	-0.84	-50.08	≤-20.84	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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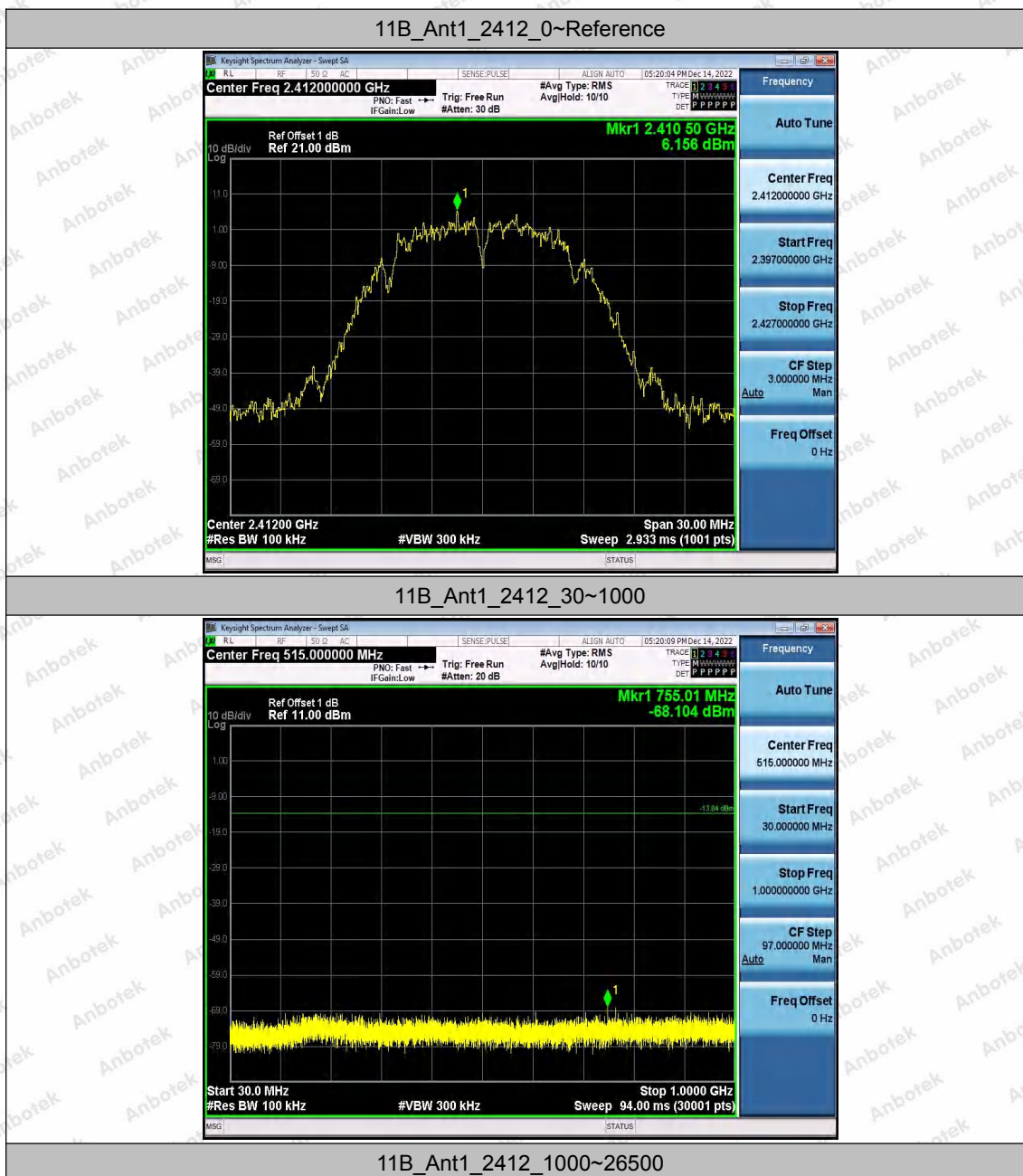
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.16	6.16	---	PASS
			30~1000	6.16	-68.1	≤-13.84	PASS
			1000~26500	6.16	-53.1	≤-13.84	PASS
		2437	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-57.96	≤-14.58	PASS
			1000~26500	5.42	-52.31	≤-14.58	PASS
		2462	Reference	4.63	4.63	---	PASS
			30~1000	4.63	-61.79	≤-15.37	PASS
			1000~26500	4.63	-51.66	≤-15.37	PASS
11G	Ant1	2412	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-60.05	≤-21.45	PASS
			1000~26500	-1.45	-50.93	≤-21.45	PASS
		2437	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-68.39	≤-22.42	PASS
			1000~26500	-2.42	-53.76	≤-22.42	PASS
		2462	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-69.49	≤-20.68	PASS
			1000~26500	-0.68	-53.52	≤-20.68	PASS
11N20	Ant1	2412	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-51.98	≤-21.32	PASS
			1000~26500	-1.32	-49.95	≤-21.32	PASS
		2437	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-58.17	≤-22.01	PASS
			1000~26500	-2.01	-48.99	≤-22.01	PASS
		2462	Reference	-4.46	-4.46	---	PASS
			30~1000	-4.46	-68.85	≤-24.46	PASS
			1000~26500	-4.46	-53.73	≤-24.46	PASS



Test Graphs



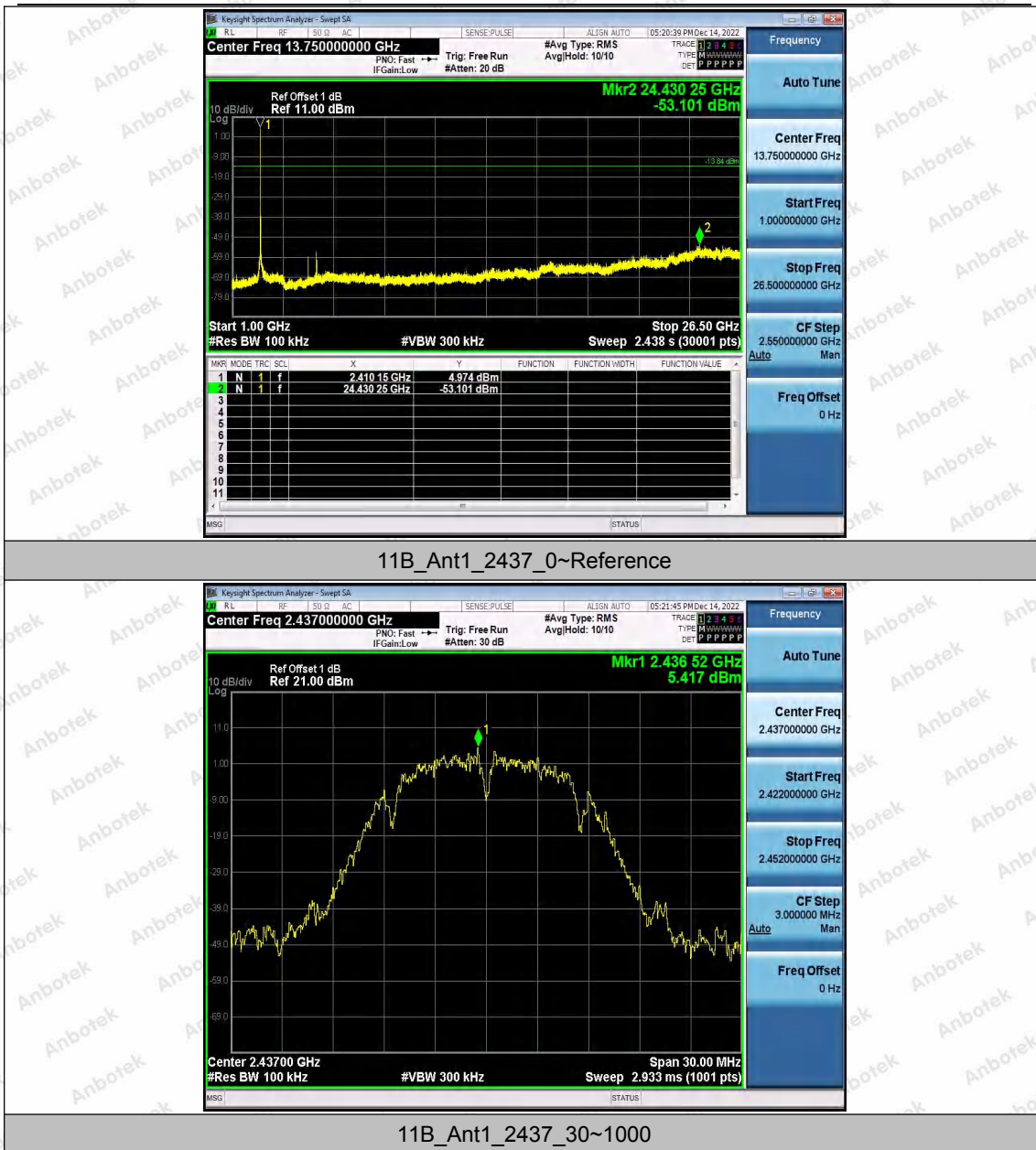
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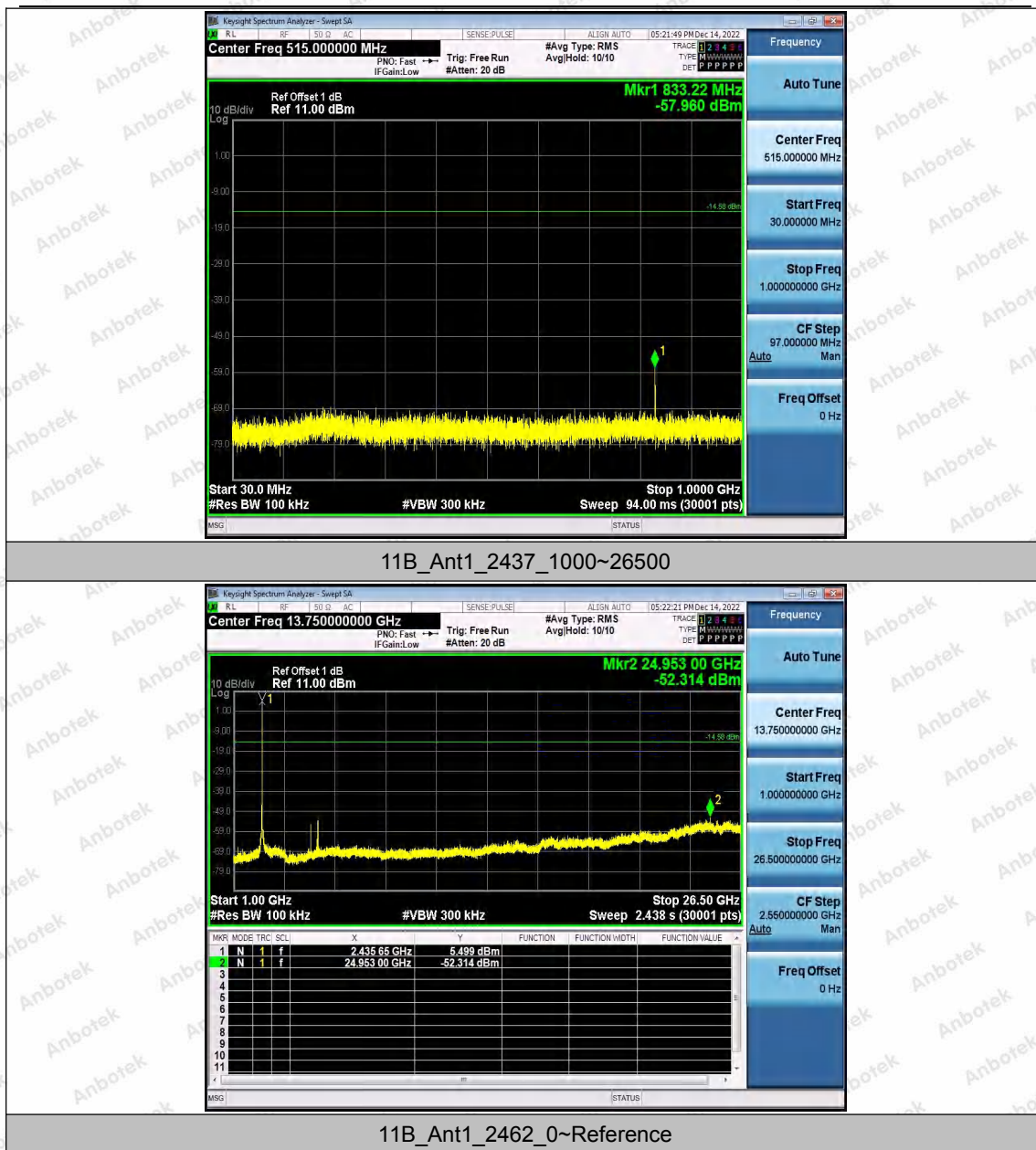
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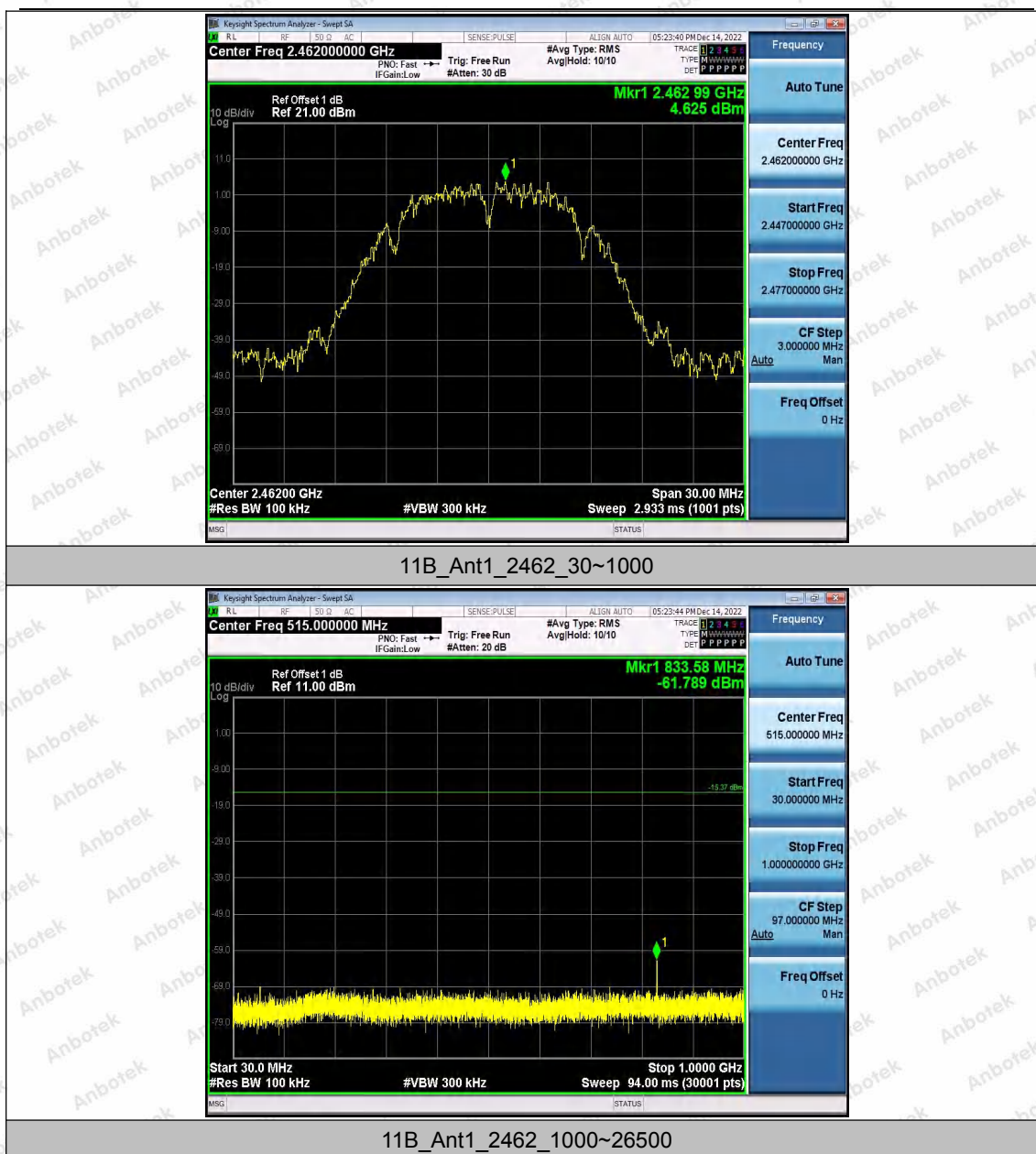
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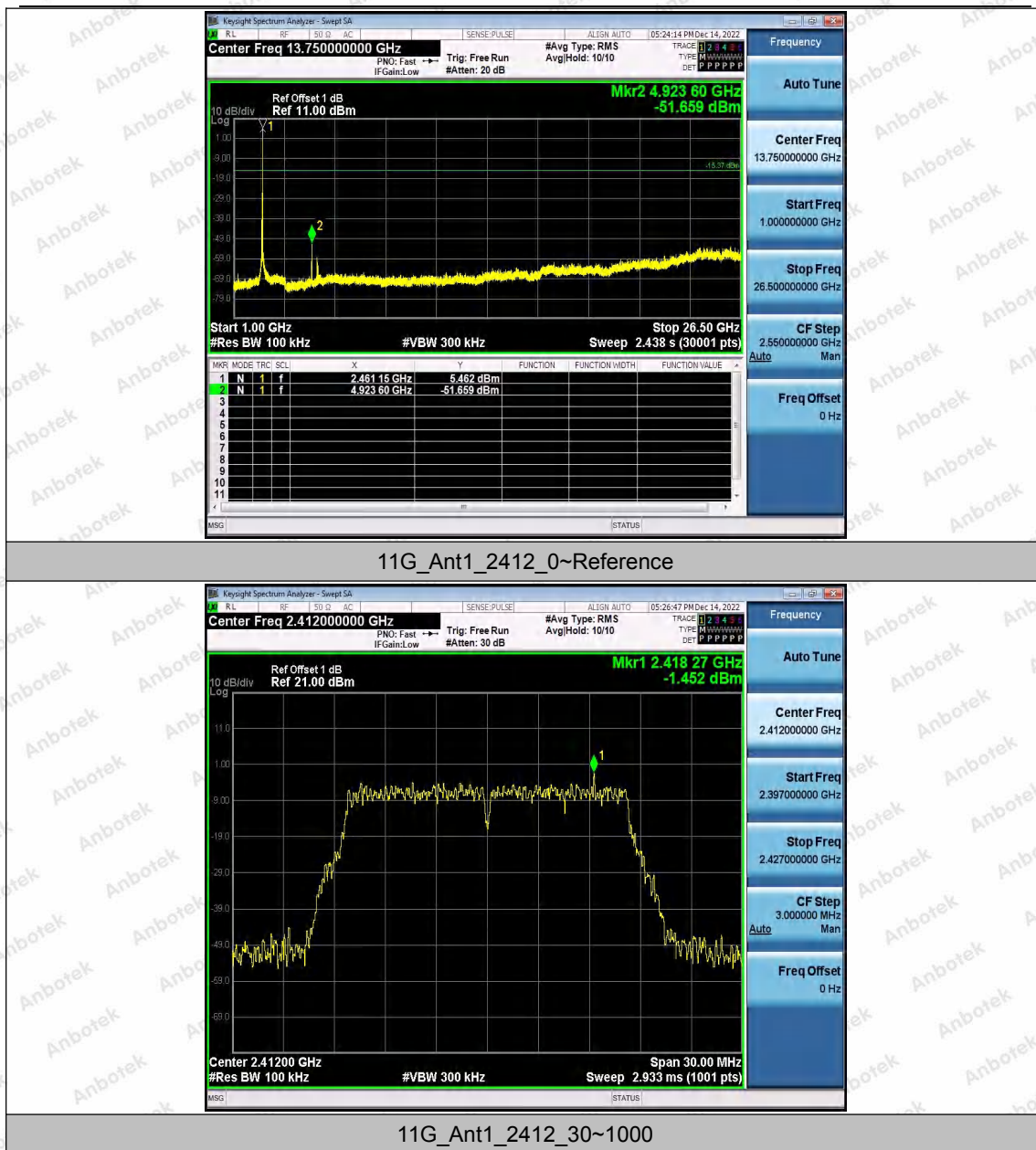
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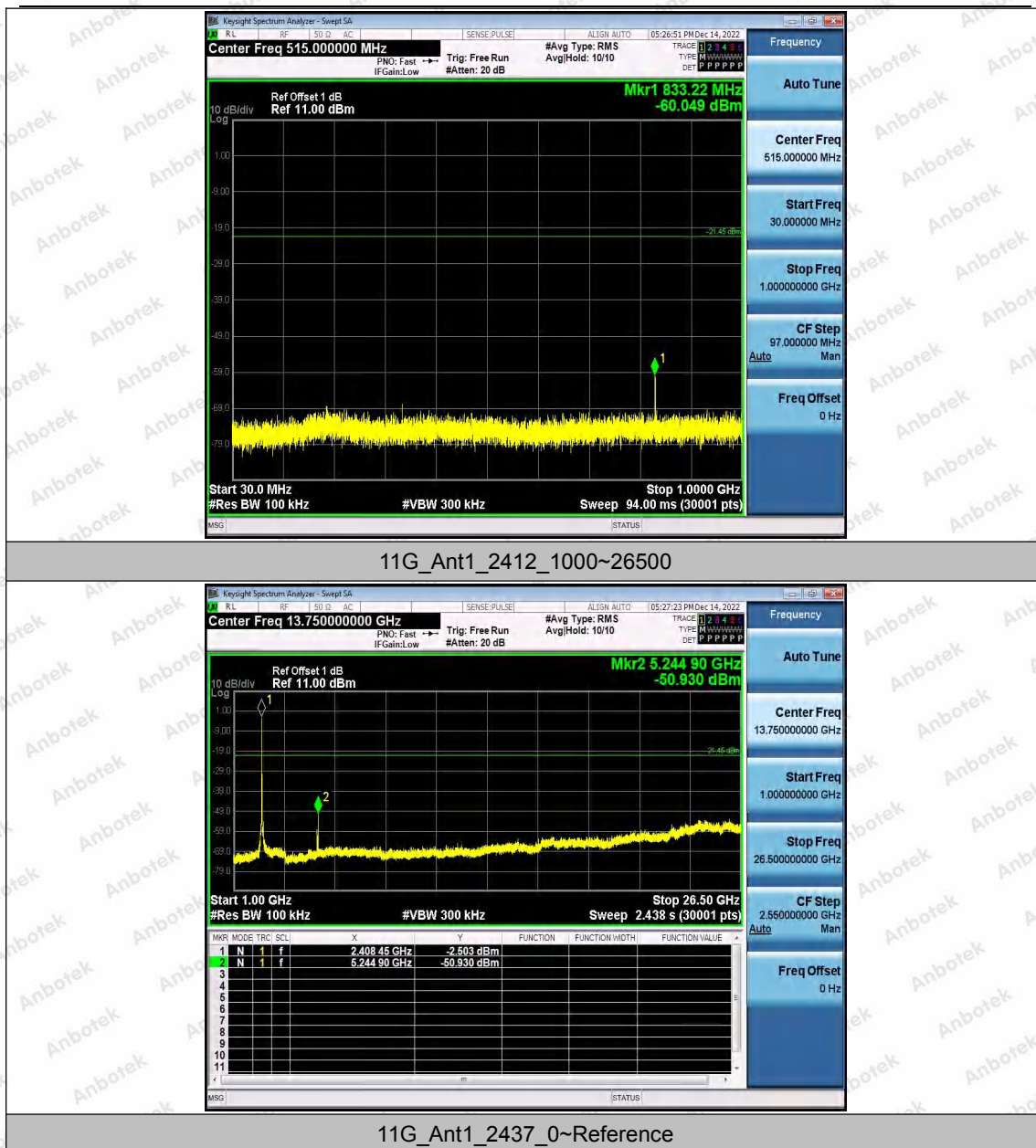
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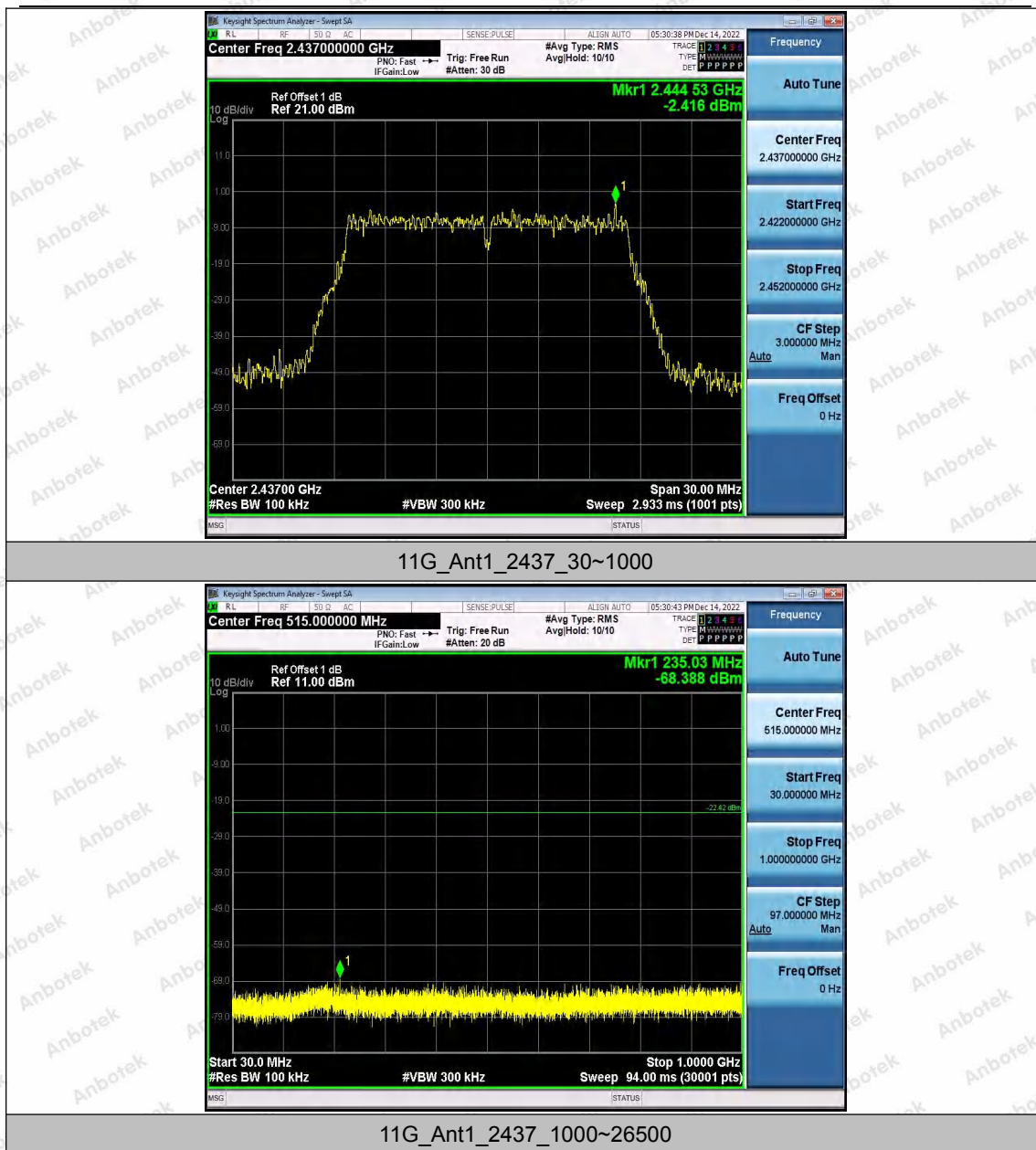
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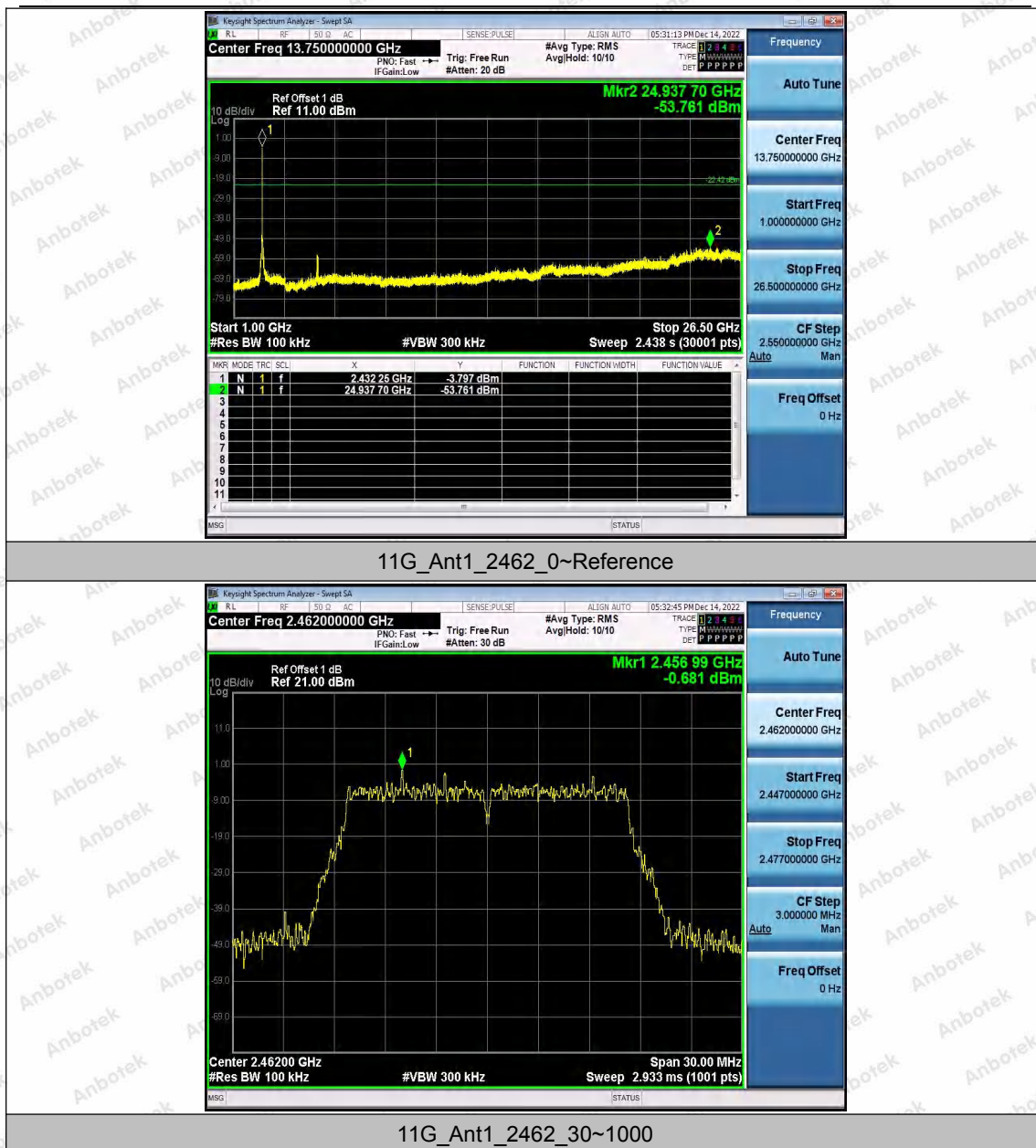
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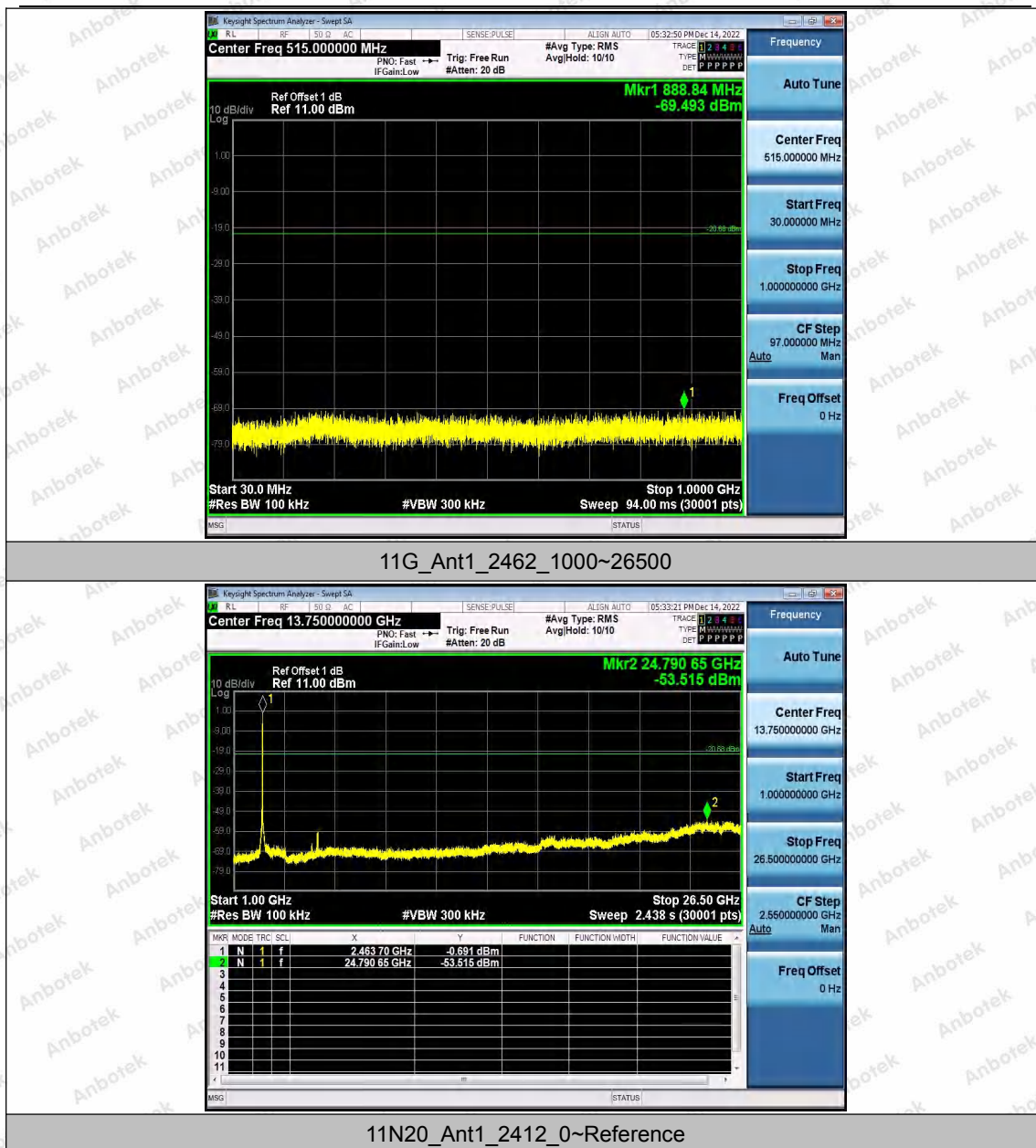
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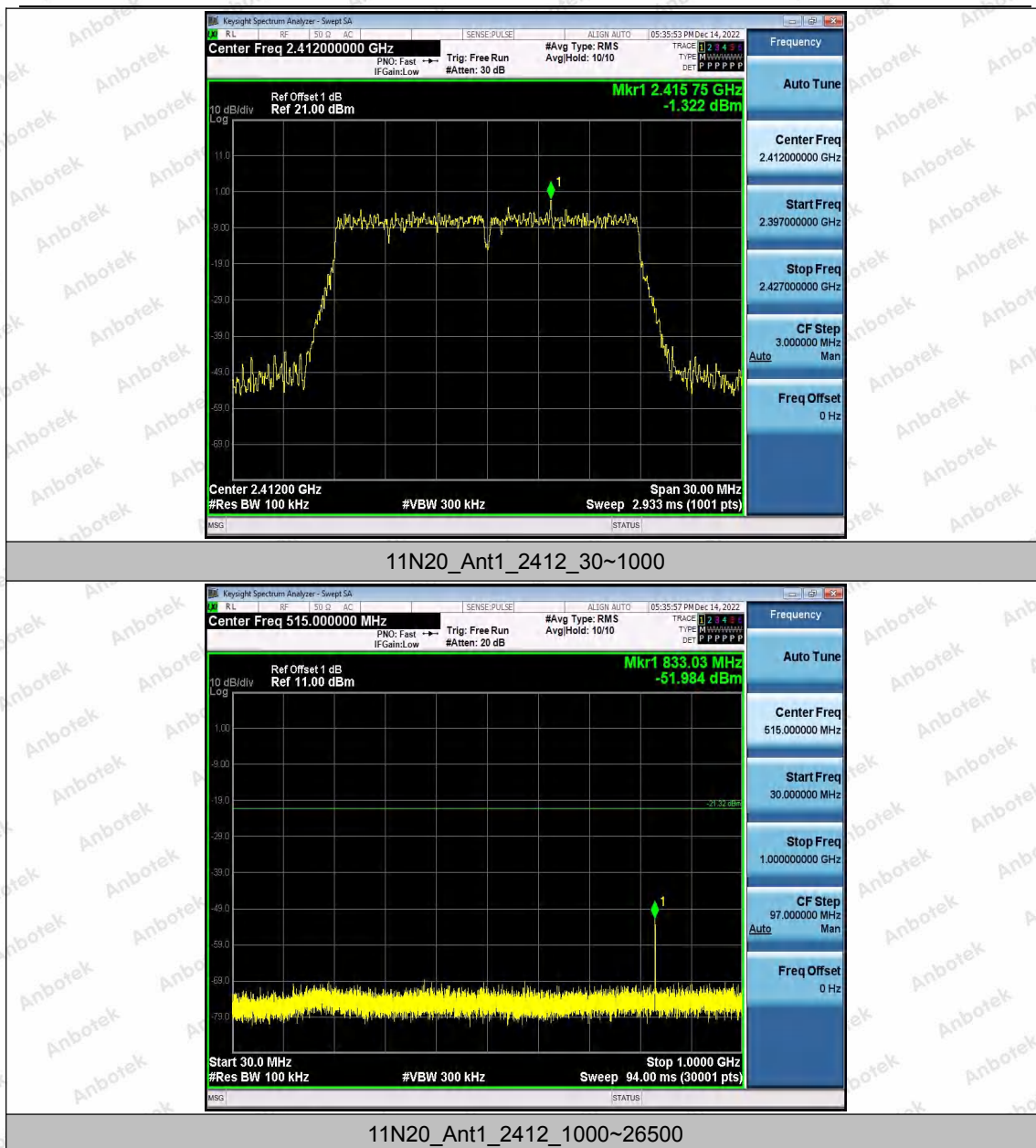
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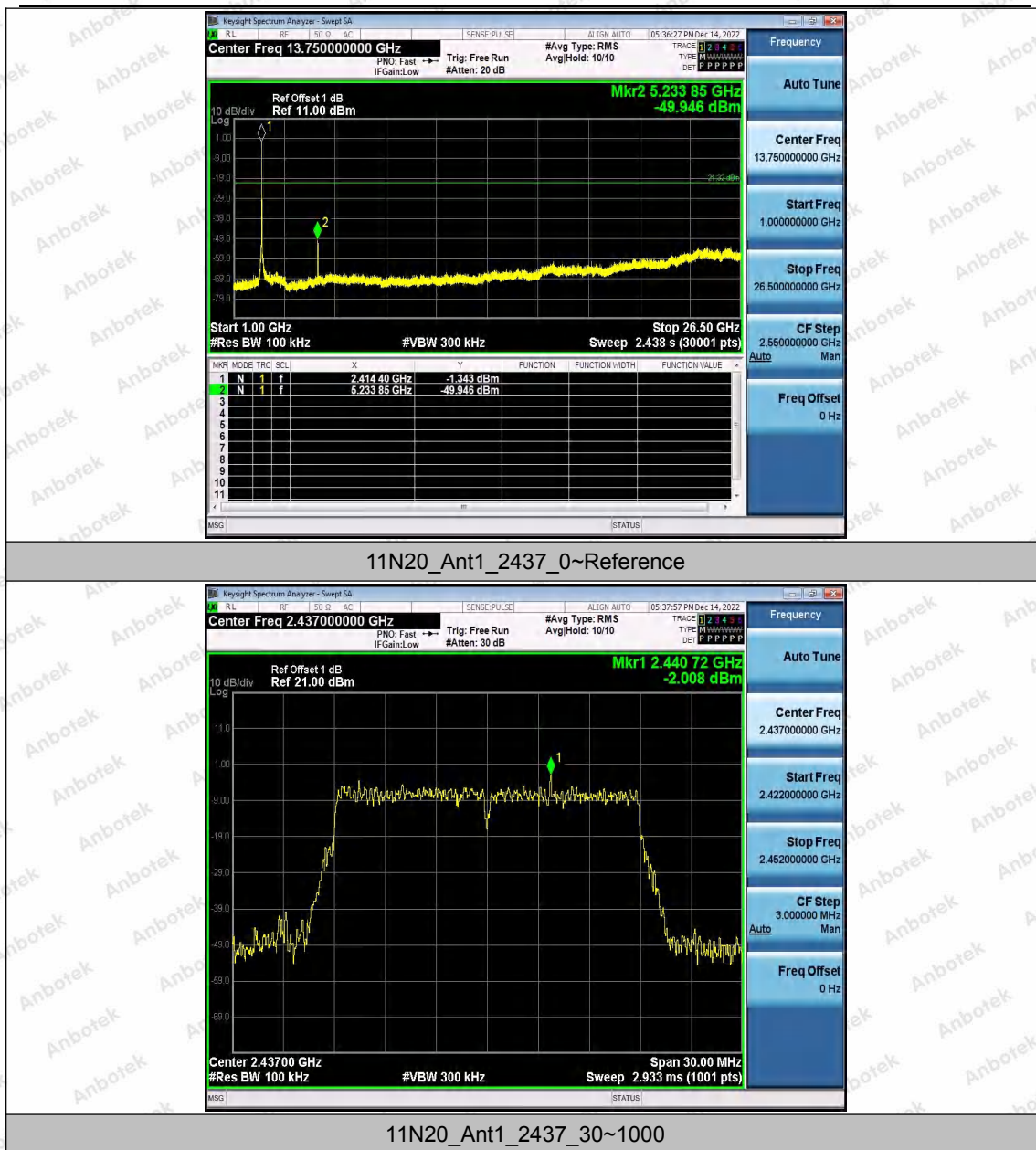
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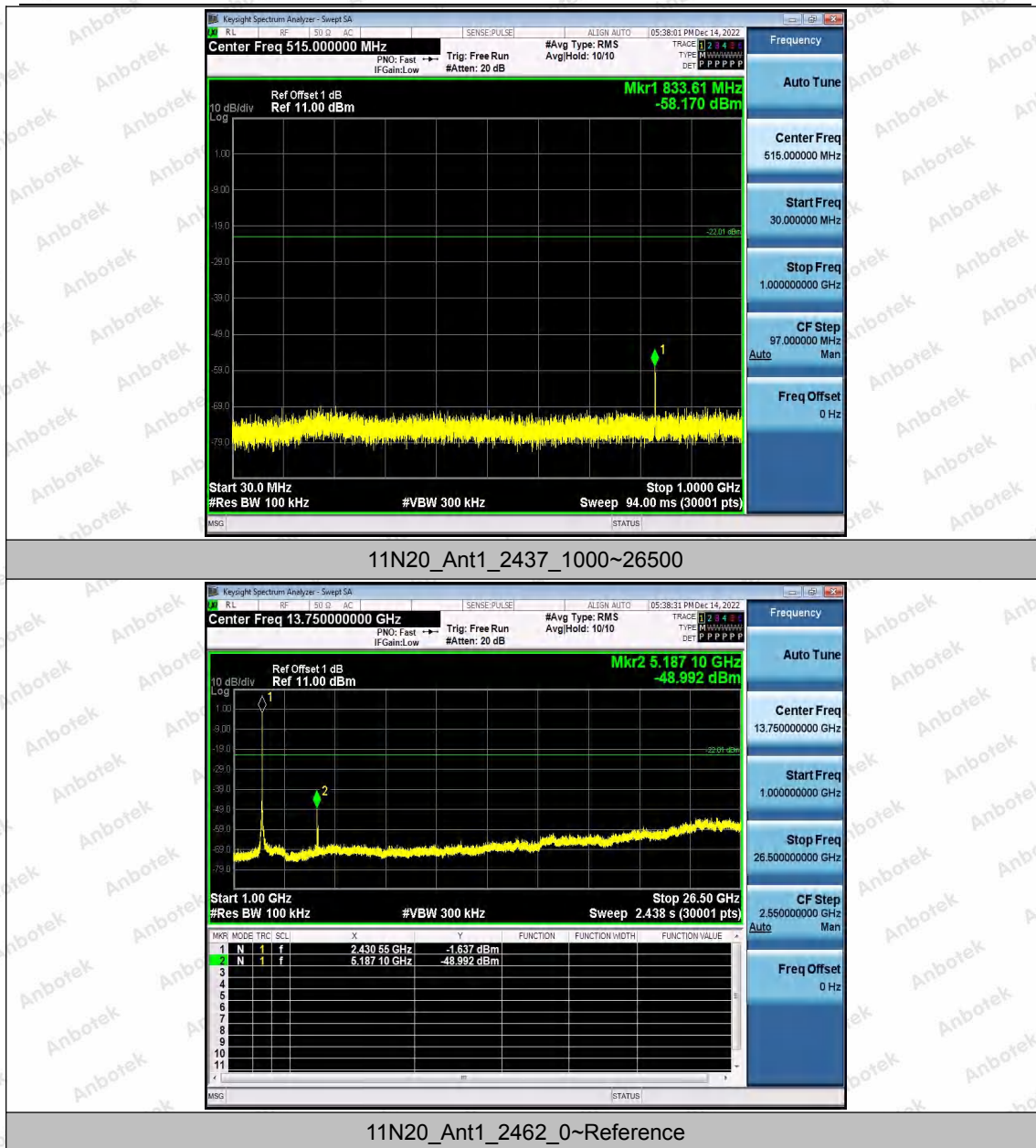
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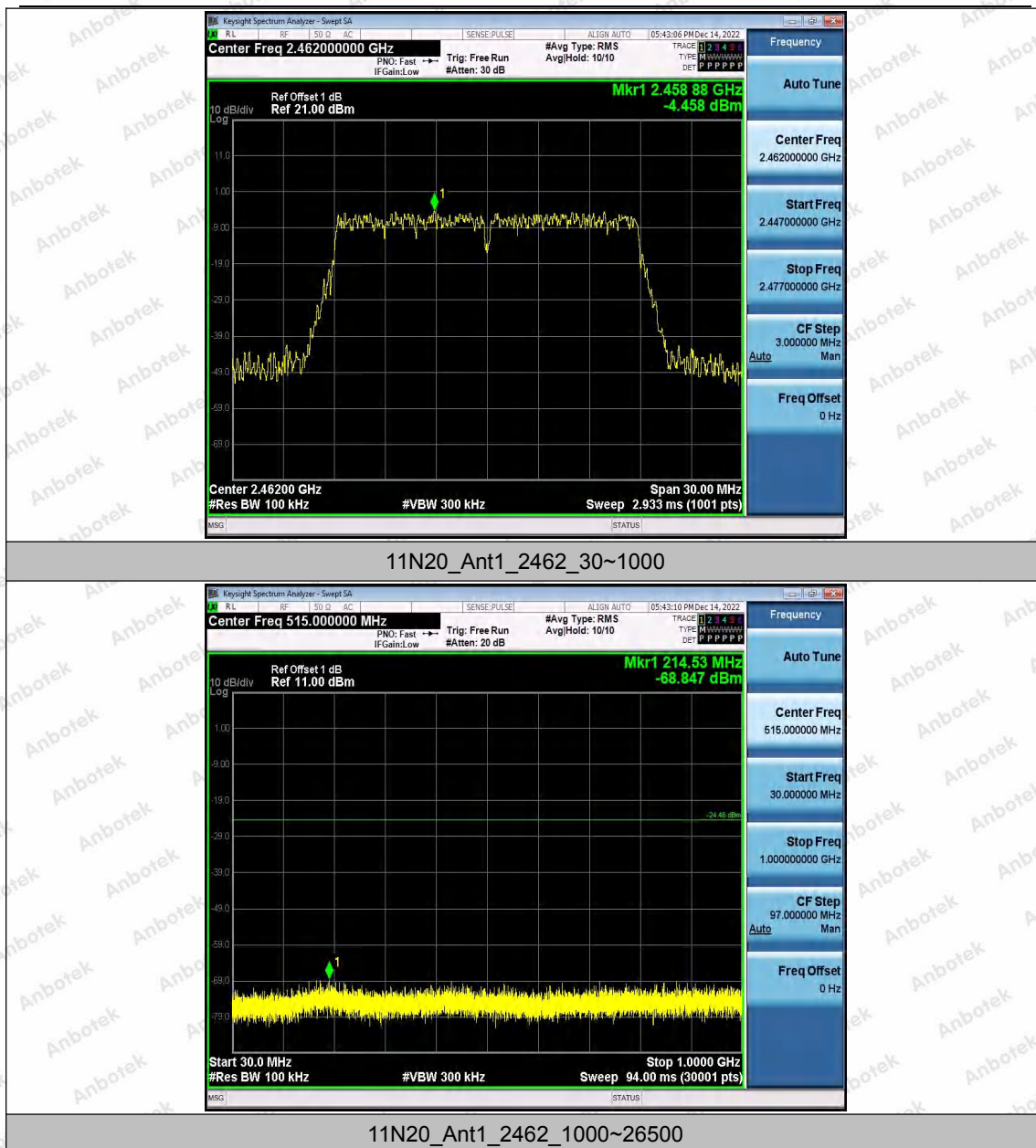
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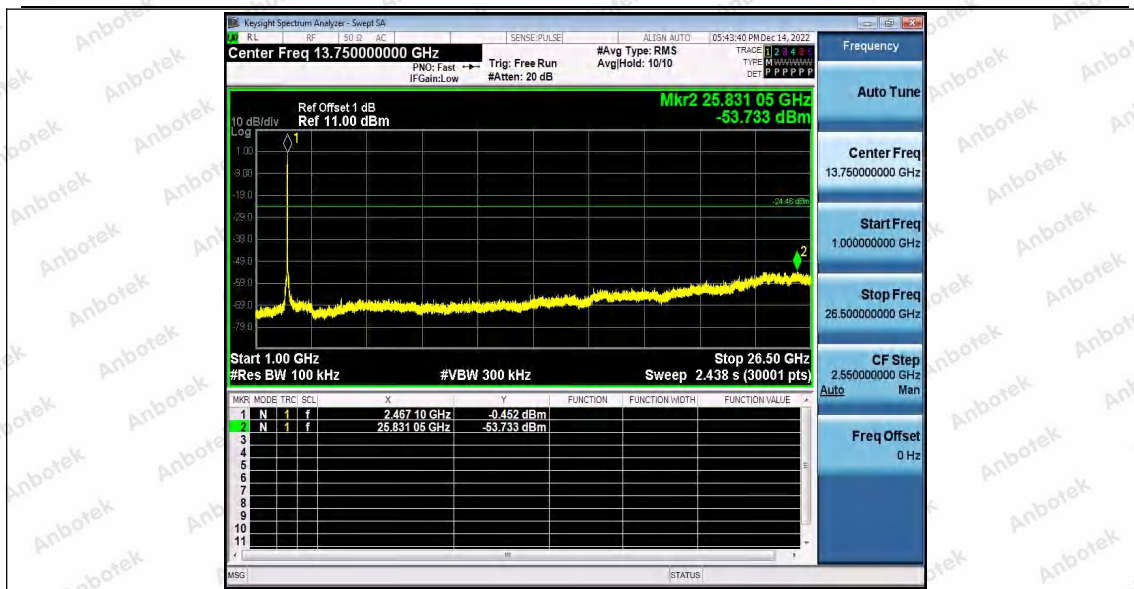
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Appendix G: Duty Cycle

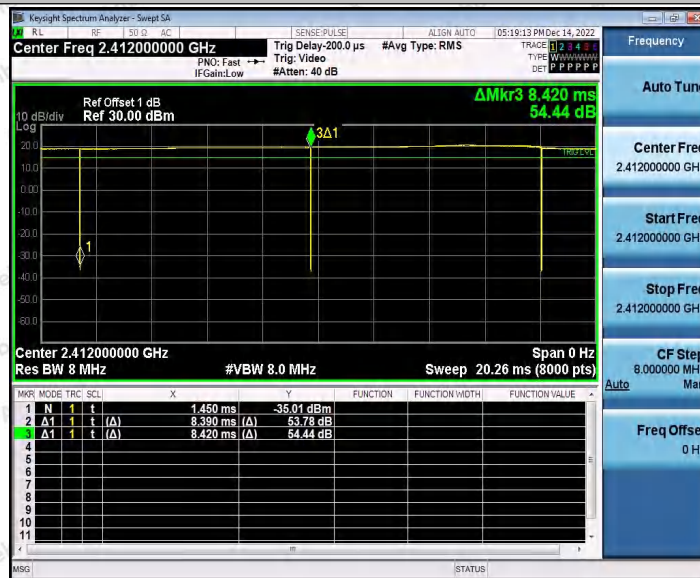
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
		2437	8.39	8.41	99.76	0.01
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
		2437	1.40	1.43	97.90	0.09
		2462	1.40	1.43	97.90	0.09
11N20	Ant1	2412	1.30	1.33	97.74	0.10
		2437	1.30	1.33	97.74	0.10
		2462	1.30	1.34	97.01	0.13

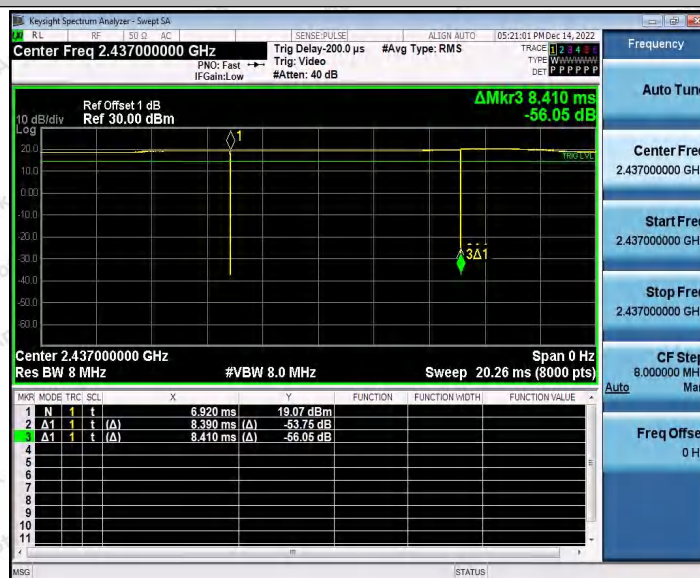


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

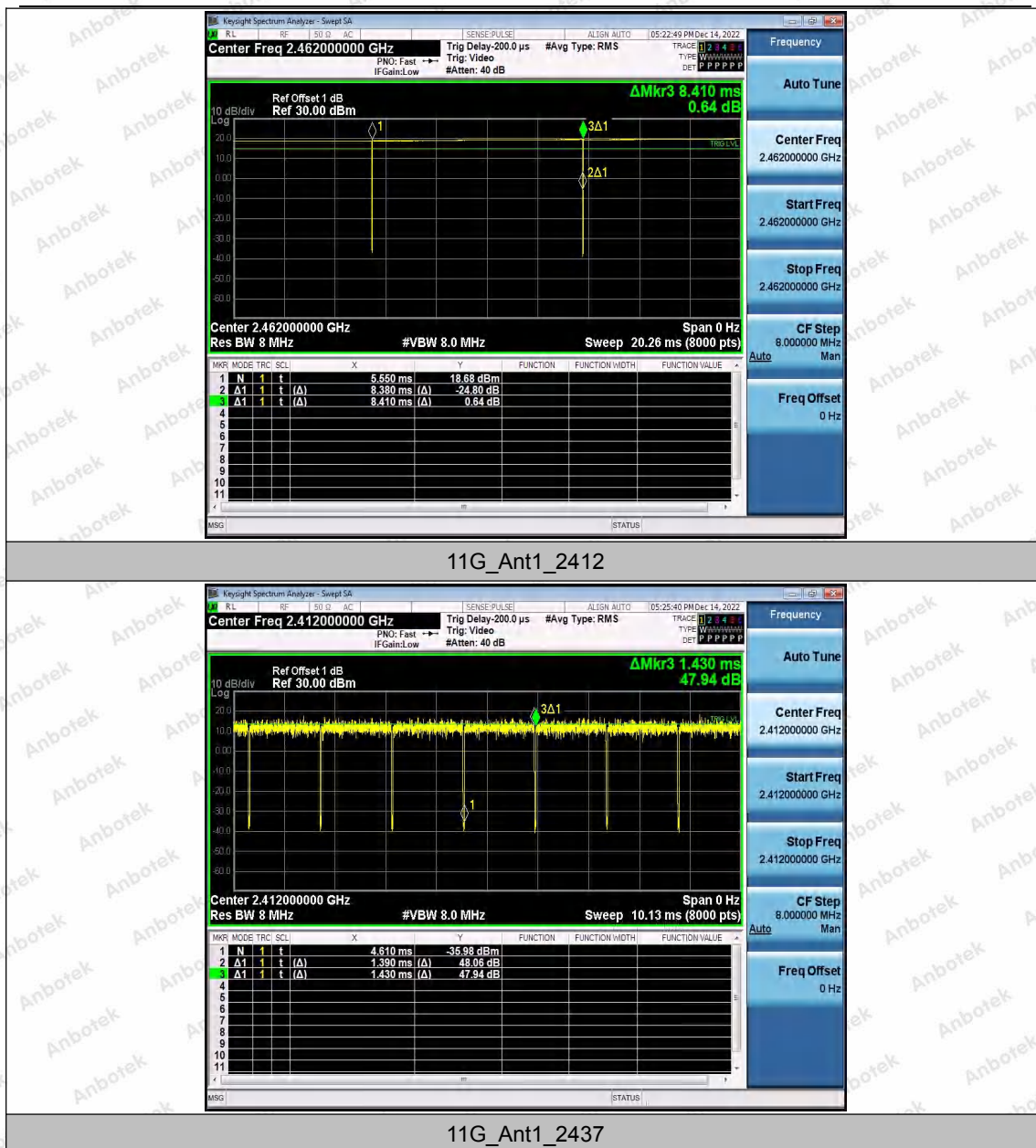
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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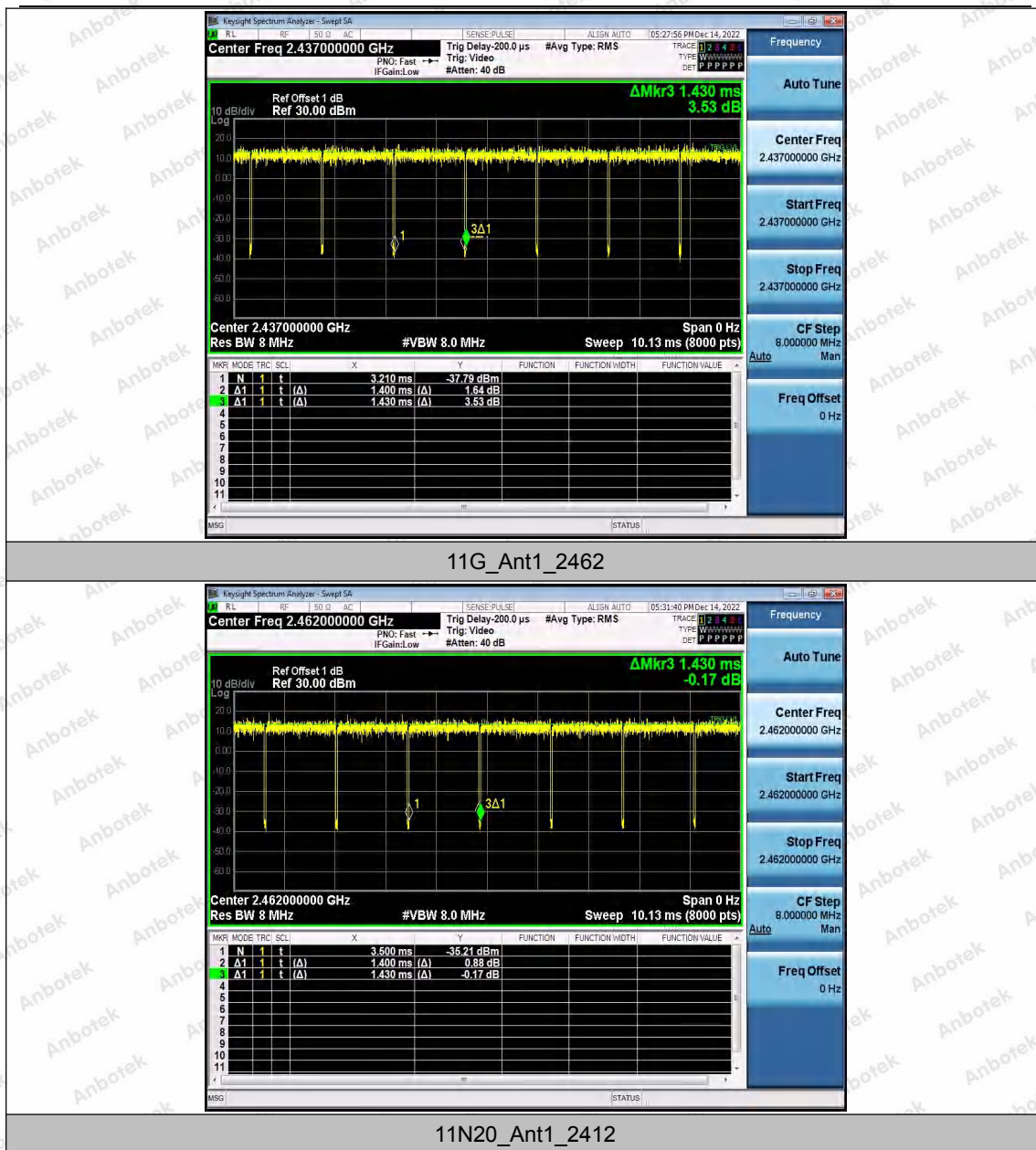
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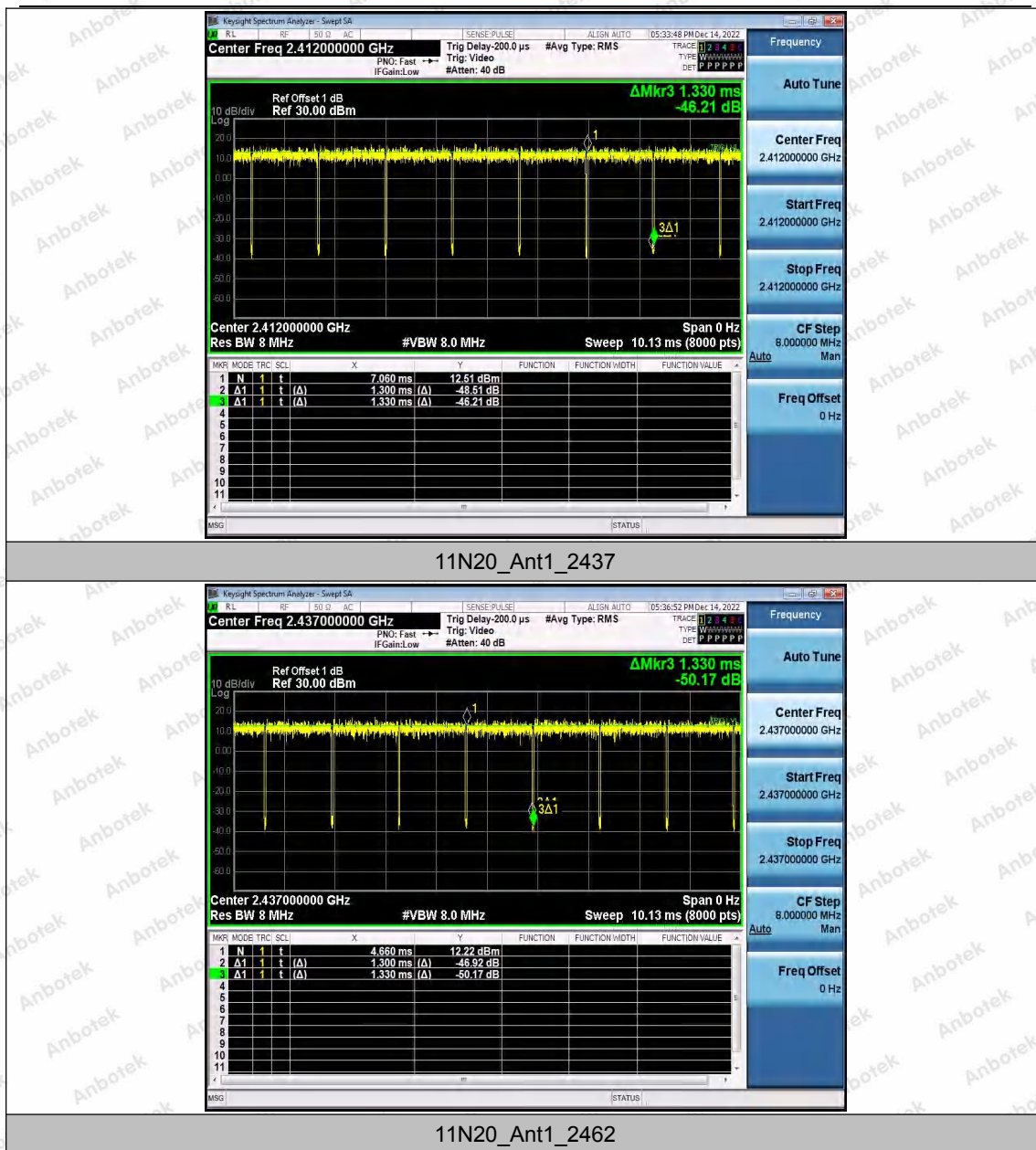
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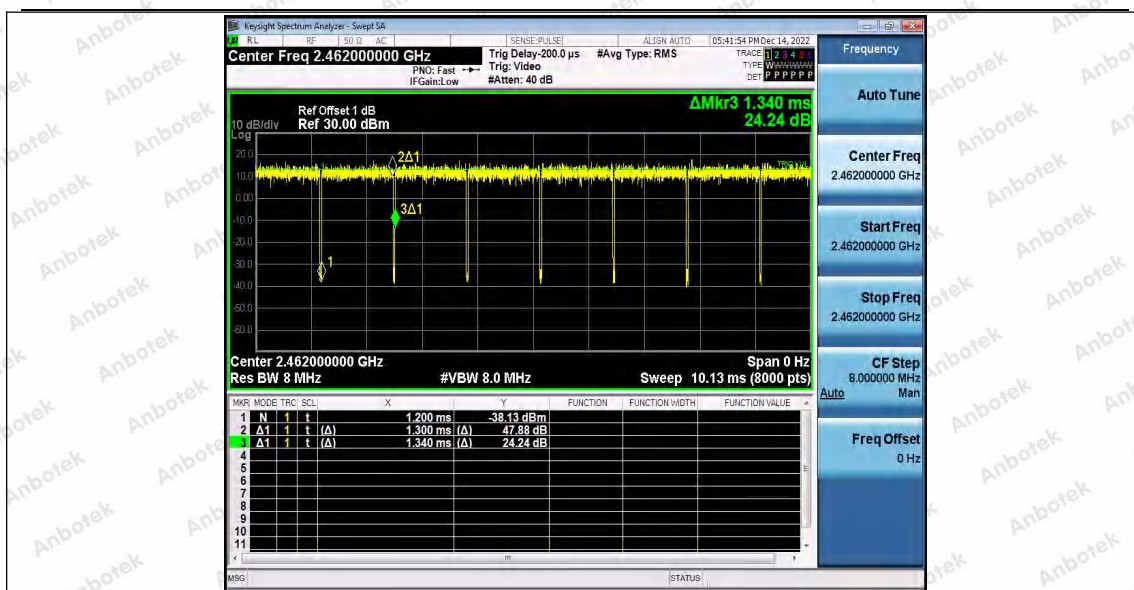
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