

Appendix Test Data

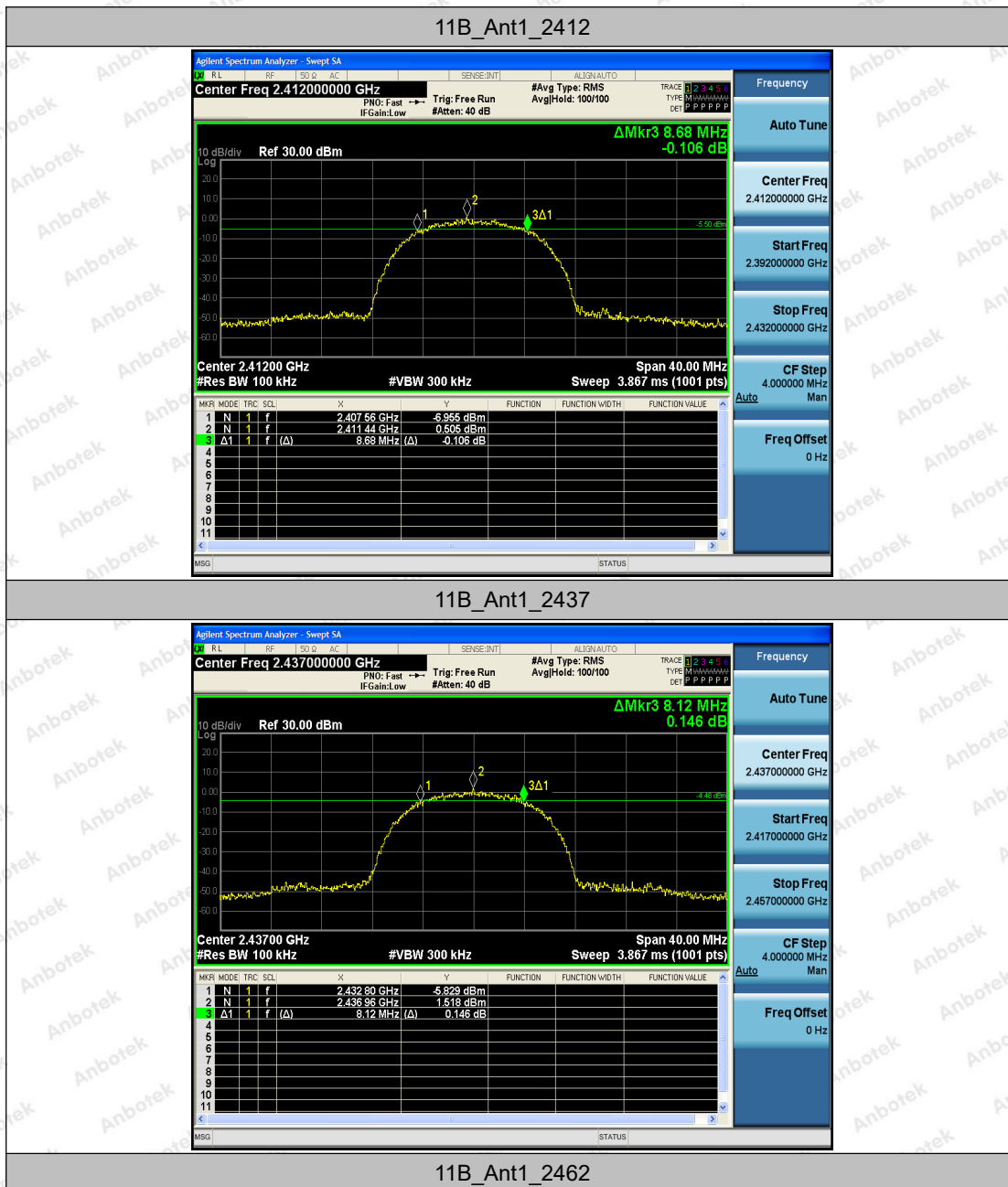
Report No.:	18220WC20023802	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.2.22
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.680	2407.560	2416.240	≥0.5	PASS
		2437	8.120	2432.800	2440.920	≥0.5	PASS
		2462	9.280	2457.440	2466.720	≥0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥0.5	PASS
		2462	16.480	2453.800	2470.280	≥0.5	PASS
11N20	Ant1	2412	17.760	2403.160	2420.920	≥0.5	PASS
		2437	17.760	2428.160	2445.920	≥0.5	PASS
		2462	17.720	2453.160	2470.880	≥0.5	PASS
11N40	Ant1	2422	36.480	2403.760	2440.240	≥0.5	PASS
		2437	36.180	2418.760	2454.940	≥0.5	PASS
		2452	36.480	2433.760	2470.240	≥0.5	PASS

Test Graphs

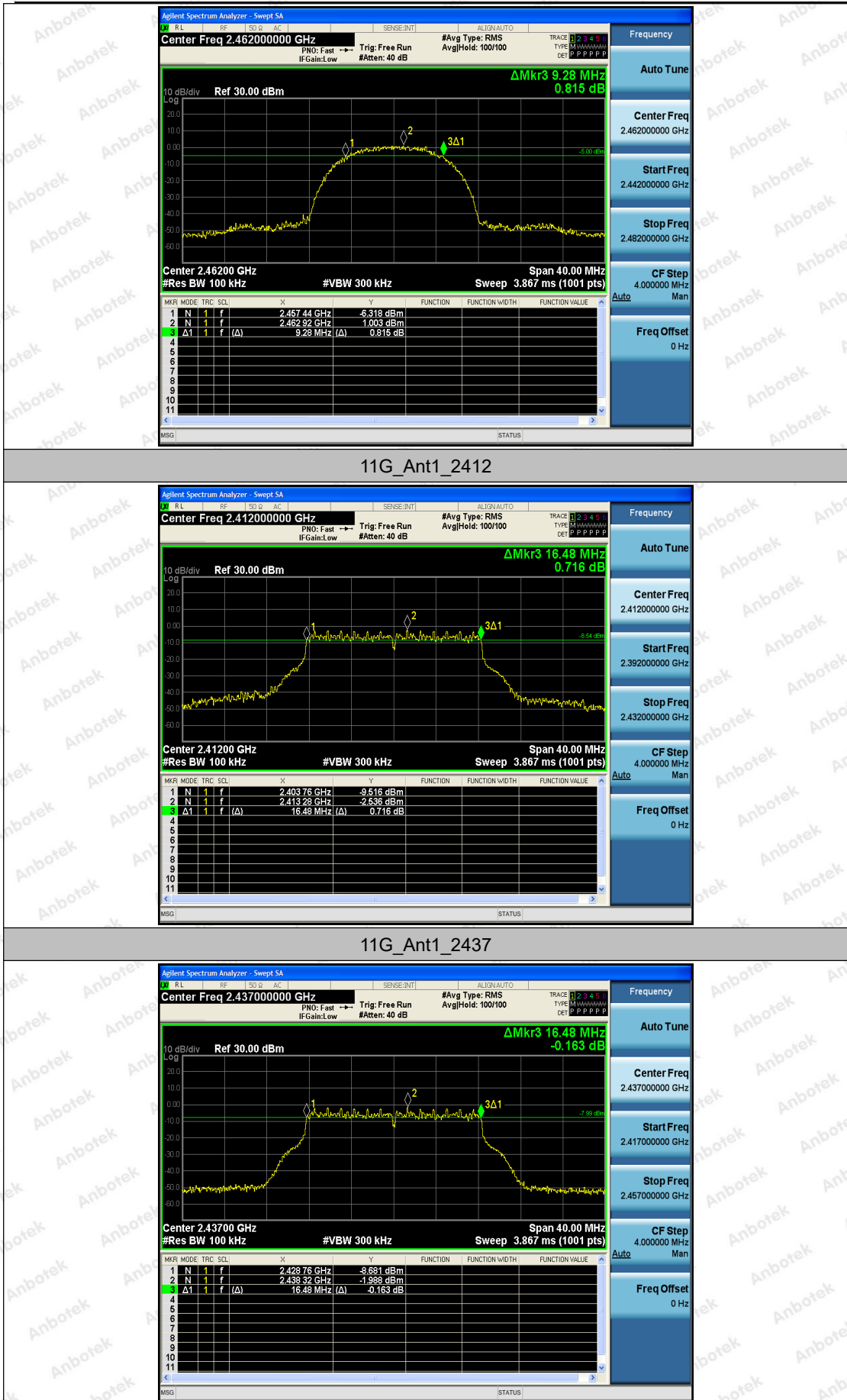


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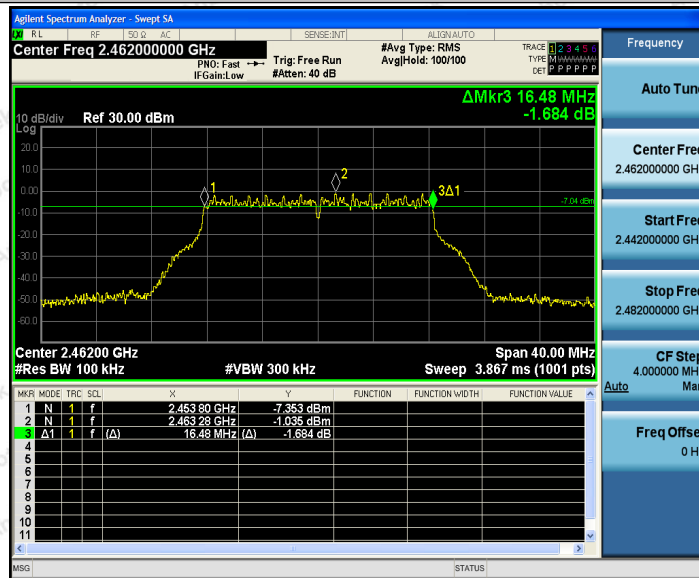
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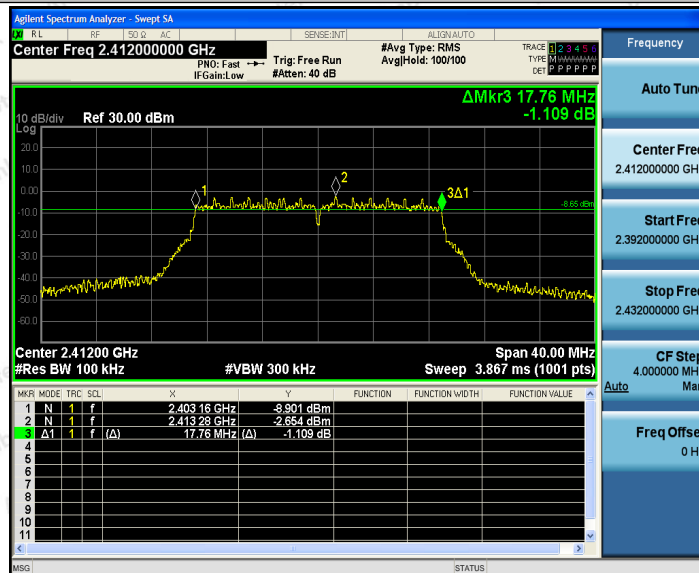
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11G_Ant1_2462



11N20_Ant1_2412



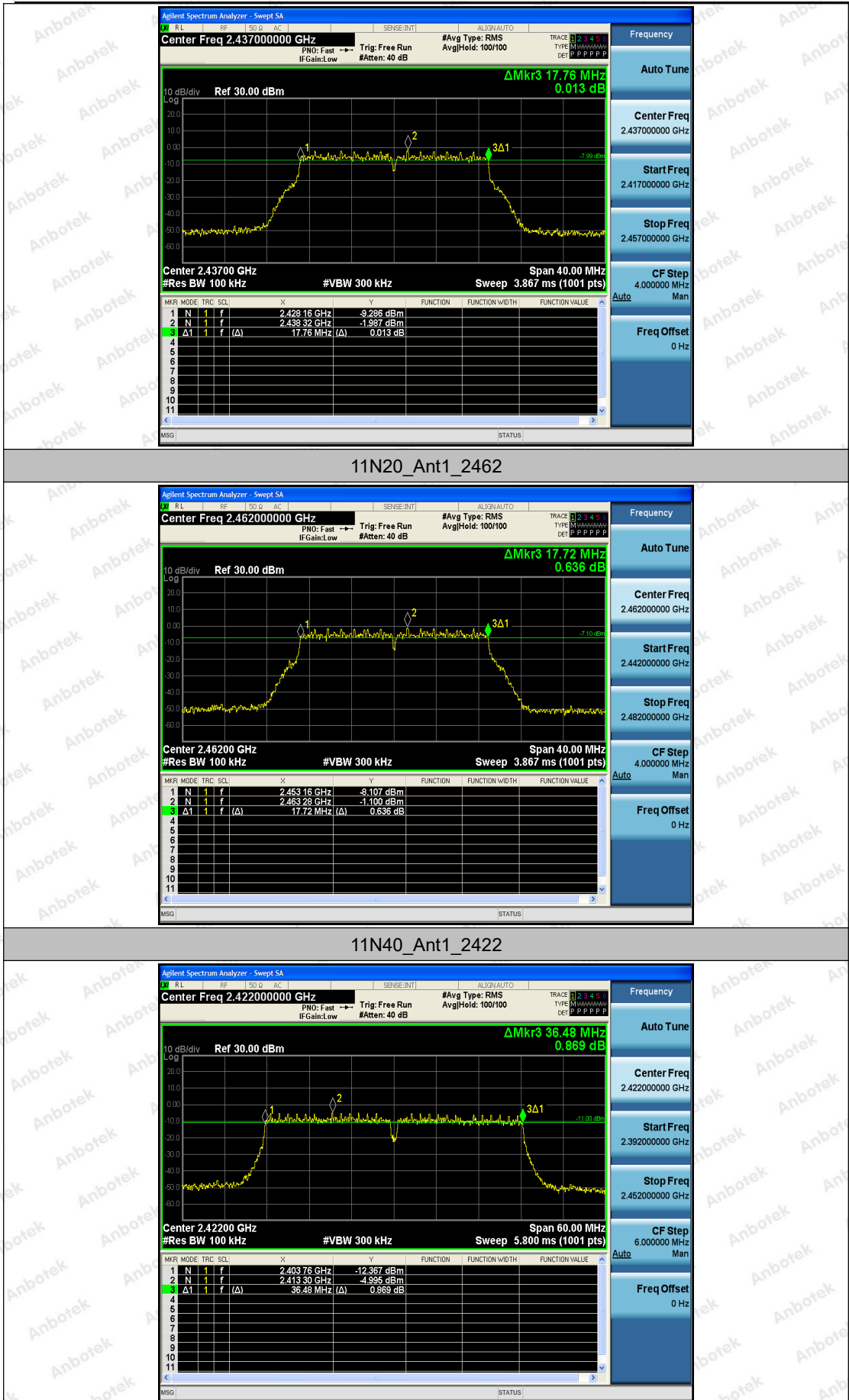
11N20_Ant1_2437

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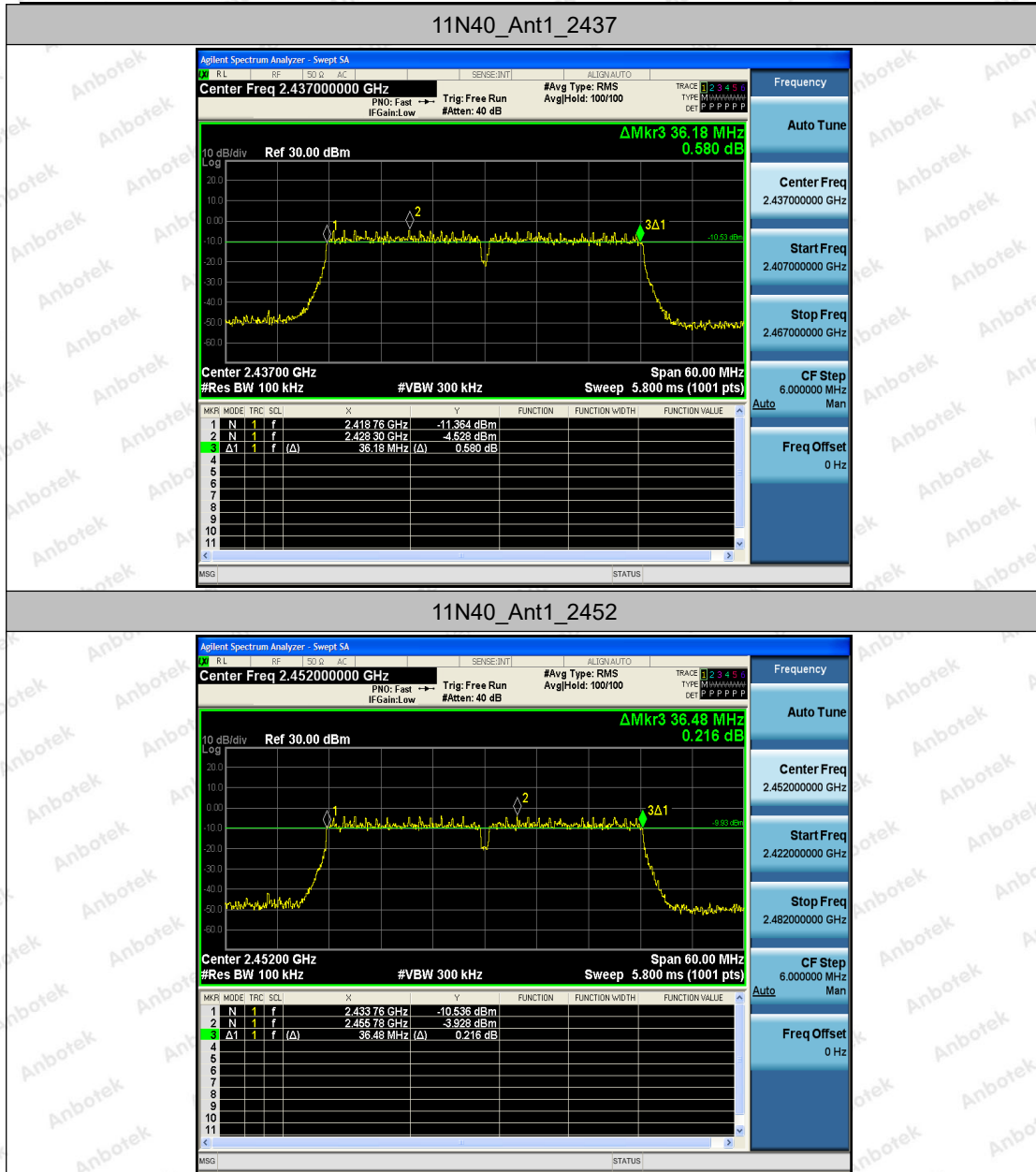


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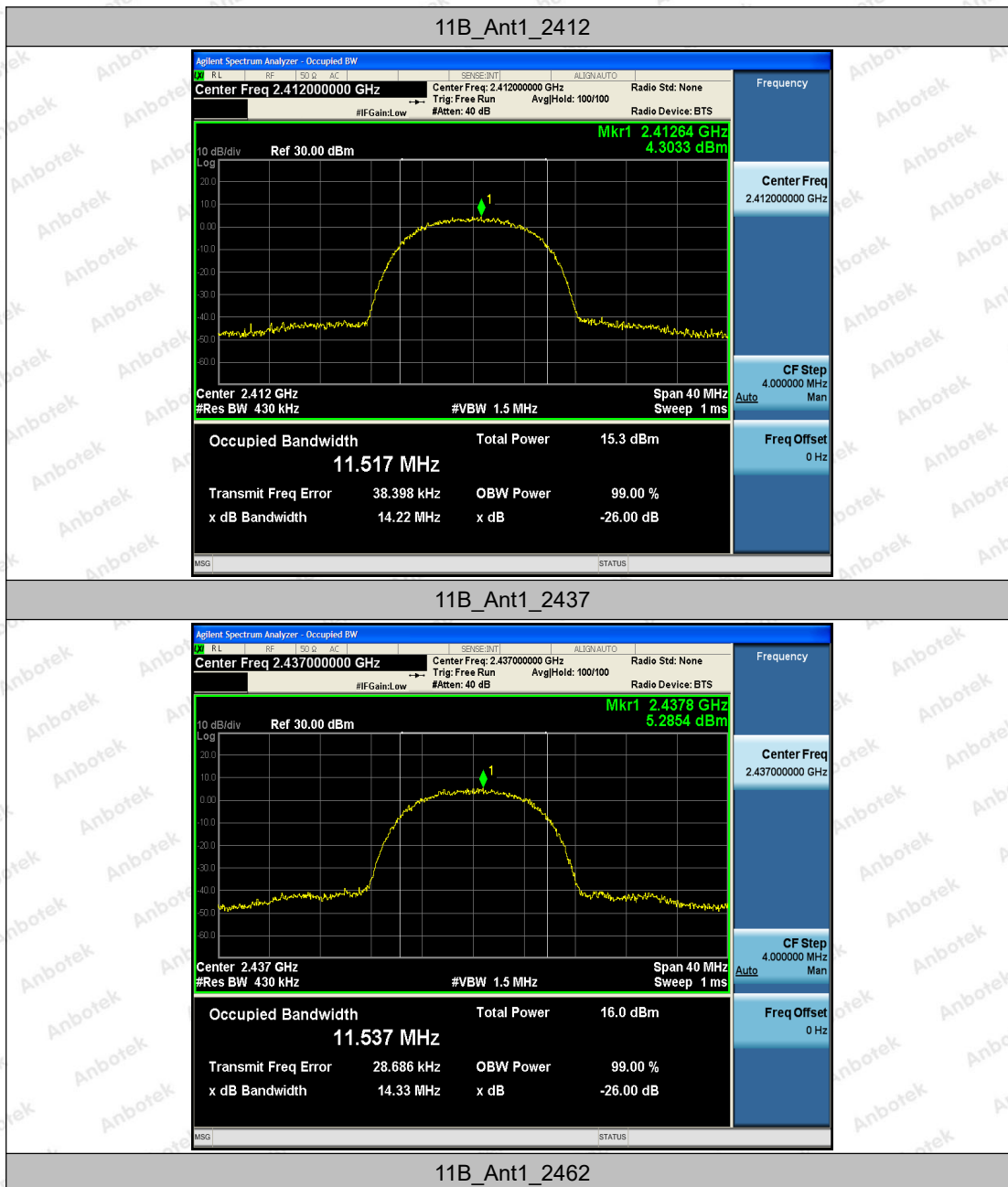
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.517	2406.280	2417.797	---	PASS
		2437	11.537	2431.260	2442.797	---	PASS
		2462	11.570	2456.287	2467.857	---	PASS
11G	Ant1	2412	16.924	2403.584	2420.508	---	PASS
		2437	16.883	2428.579	2445.462	---	PASS
		2462	16.872	2453.630	2470.502	---	PASS
11N20	Ant1	2412	18.131	2402.950	2421.081	---	PASS
		2437	18.144	2427.934	2446.078	---	PASS
		2462	18.153	2452.949	2471.102	---	PASS
11N40	Ant1	2422	36.241	2403.849	2440.090	---	PASS
		2437	36.385	2418.824	2455.209	---	PASS
		2452	36.368	2433.857	2470.225	---	PASS

Test Graphs



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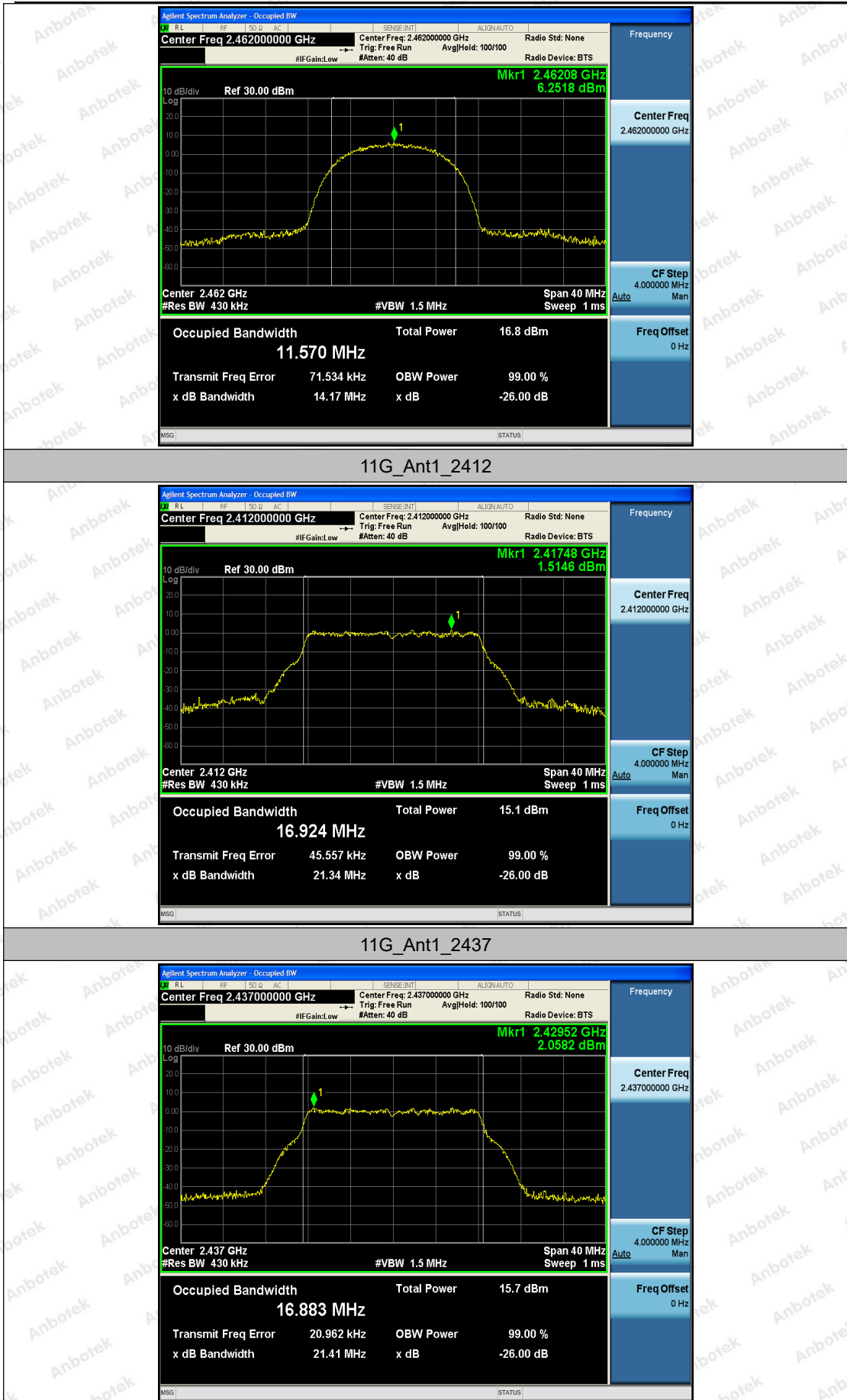
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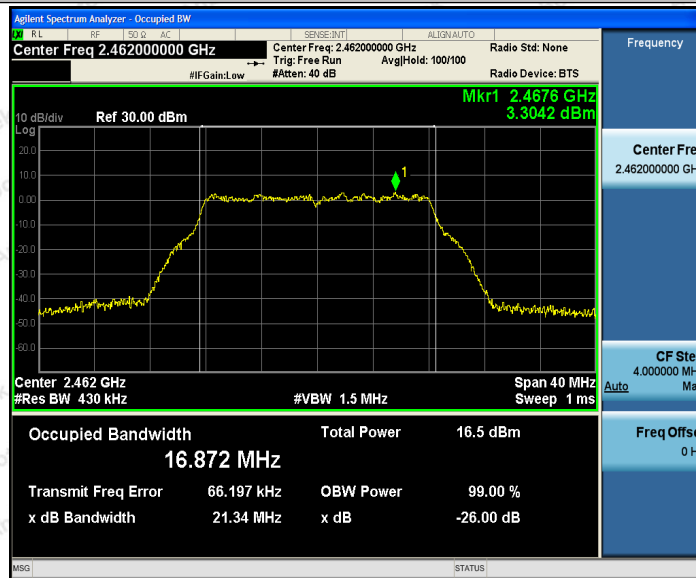
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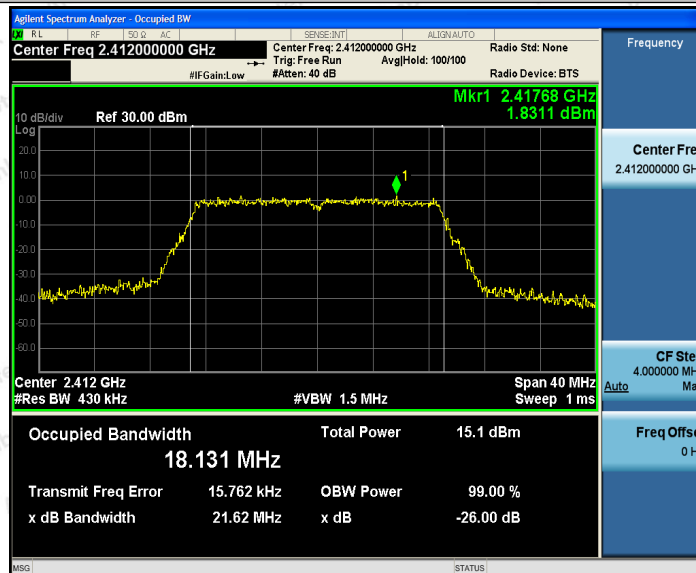
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11G_Ant1_2462



11N20_Ant1_2412



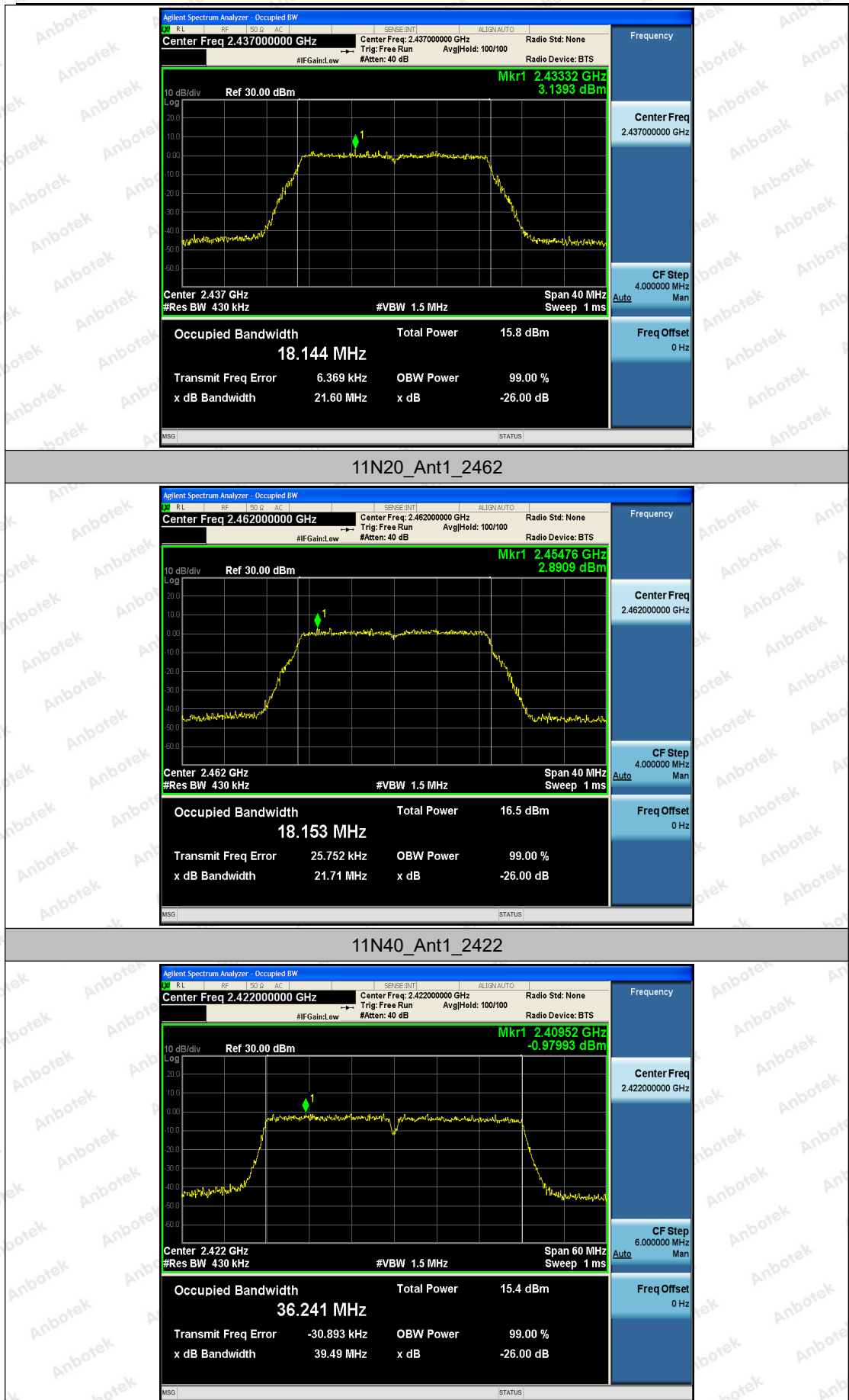
11N20_Ant1_2437

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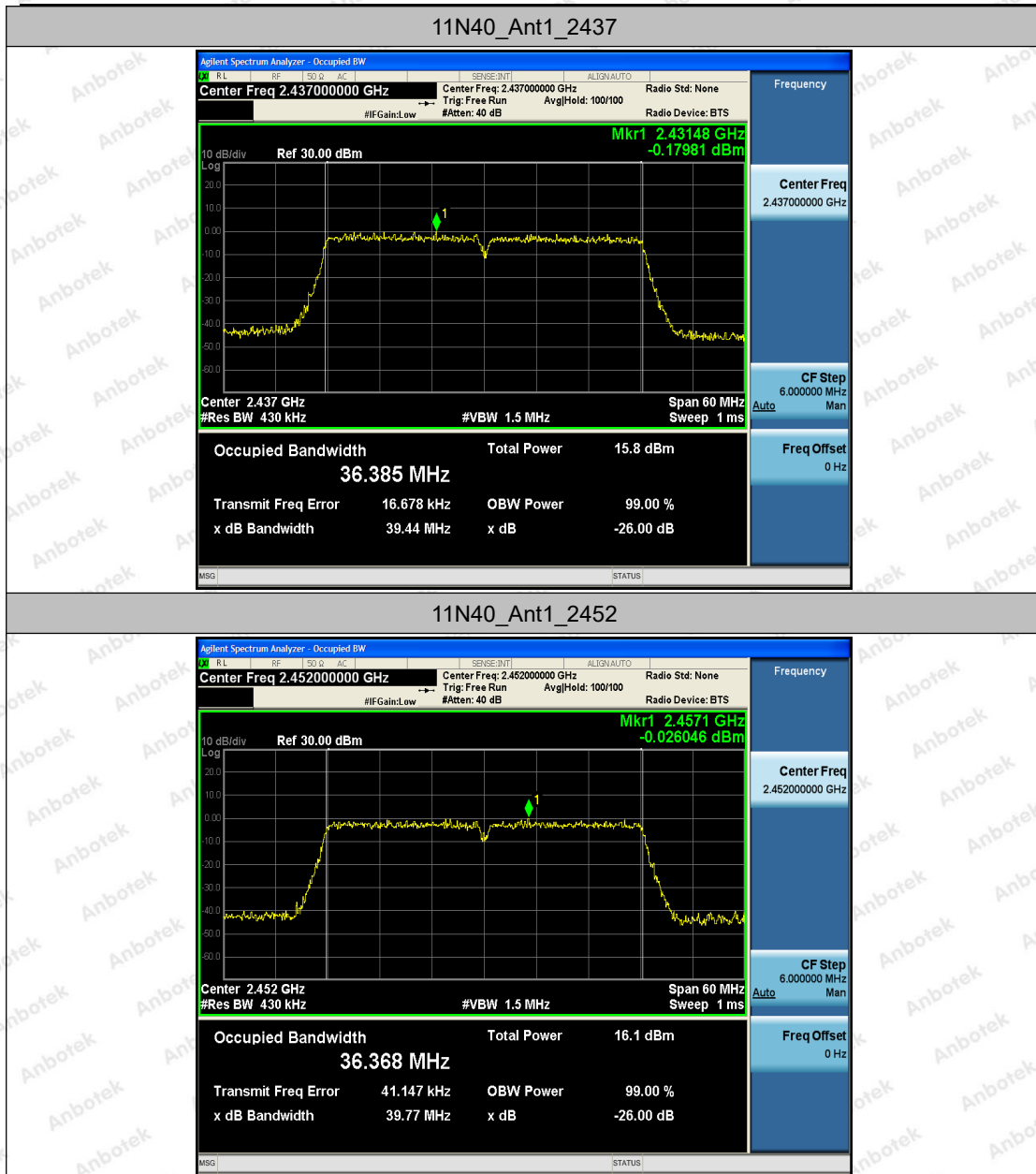


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Appendix C: Maximum conducted output power

Test Result

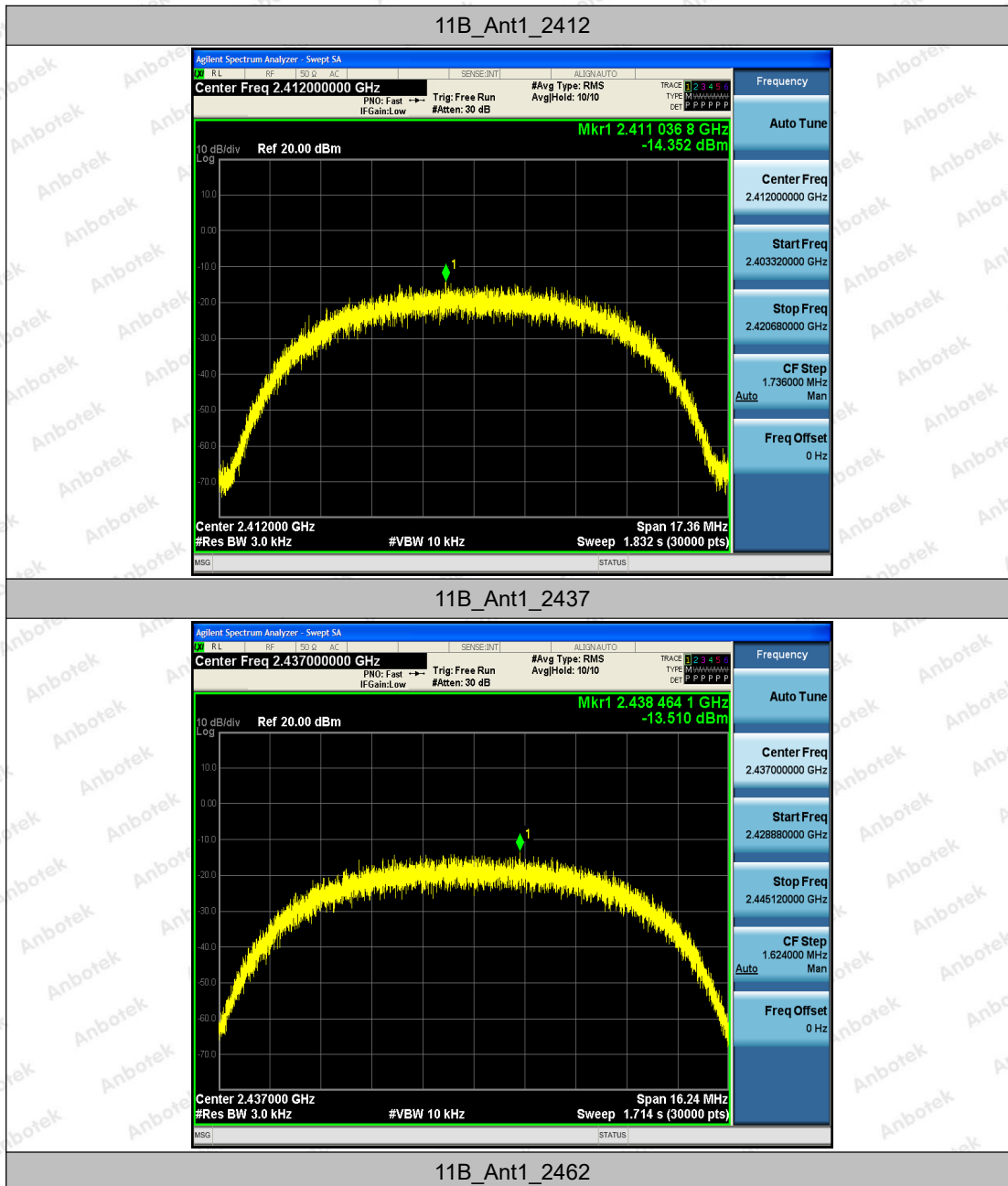
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.64	≤30	PASS
		2437	15.47	≤30	PASS
		2462	15.95	≤30	PASS
11G	Ant1	2412	16.01	≤30	PASS
		2437	16.56	≤30	PASS
		2462	17.37	≤30	PASS
11N20	Ant1	2412	15.82	≤30	PASS
		2437	16.51	≤30	PASS
		2462	17.31	≤30	PASS
11N40	Ant1	2422	13.53	≤30	PASS
		2437	13.89	≤30	PASS
		2452	14.27	≤30	PASS

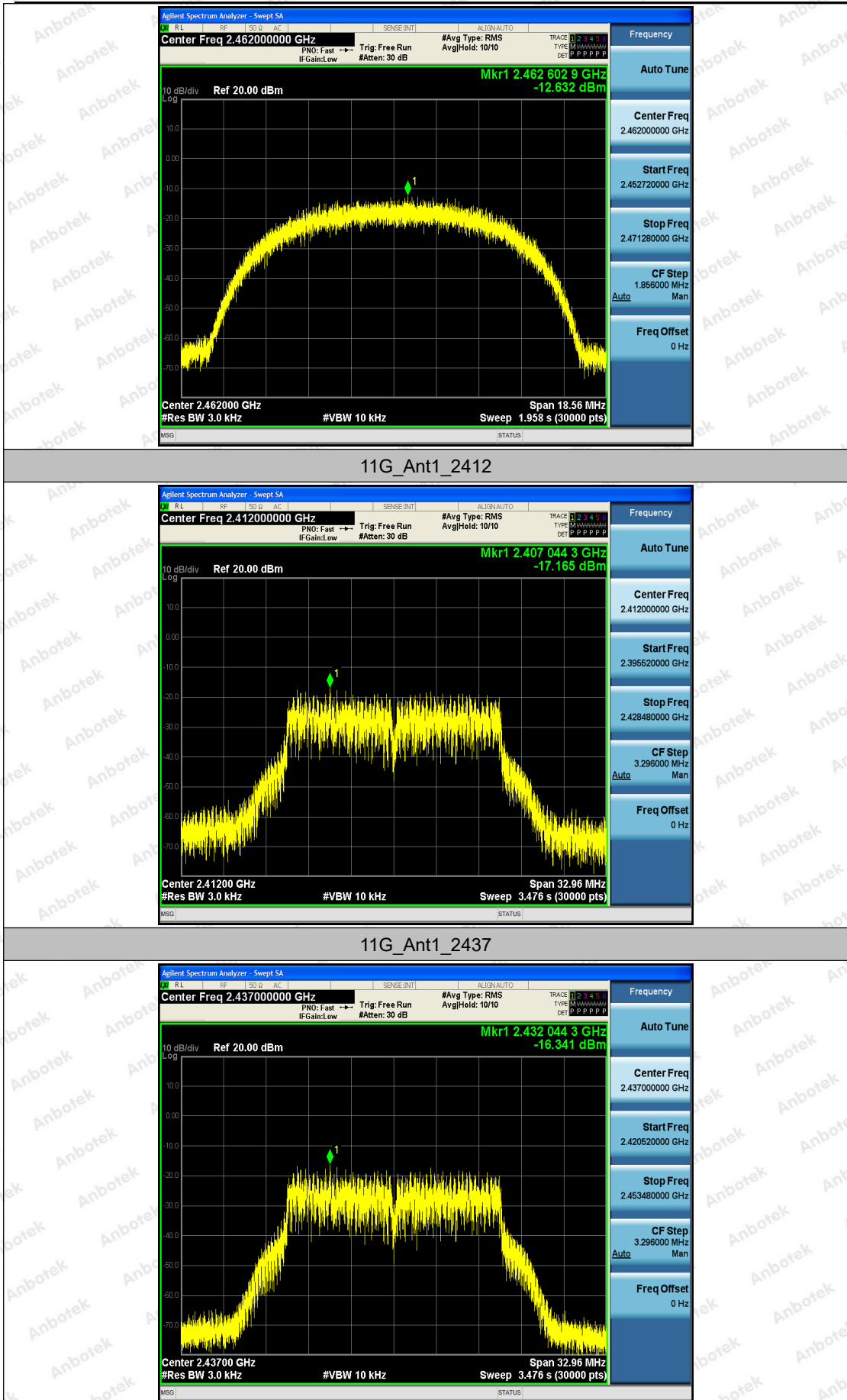
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.35	≤8	PASS
		2437	-13.51	≤8	PASS
		2462	-12.63	≤8	PASS
11G	Ant1	2412	-17.17	≤8	PASS
		2437	-16.34	≤8	PASS
		2462	-15.97	≤8	PASS
11N20	Ant1	2412	-17.02	≤8	PASS
		2437	-16.23	≤8	PASS
		2462	-15.62	≤8	PASS
11N40	Ant1	2422	-17.99	≤8	PASS
		2437	-17.45	≤8	PASS
		2452	-17.86	≤8	PASS

Test Graphs





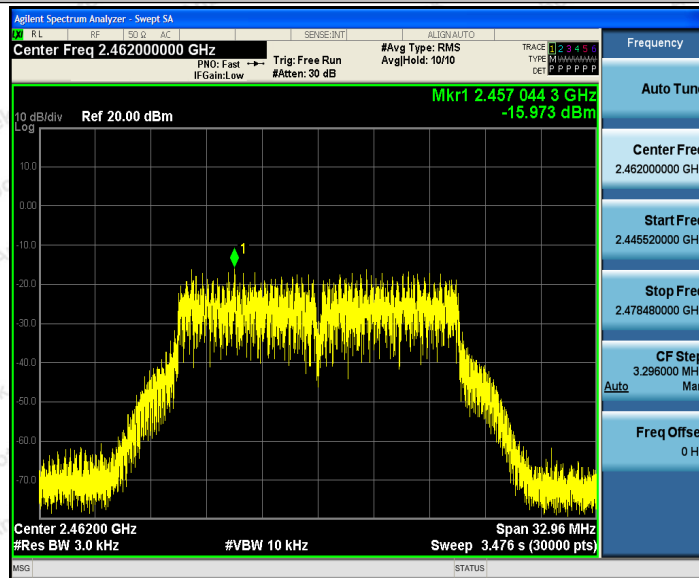
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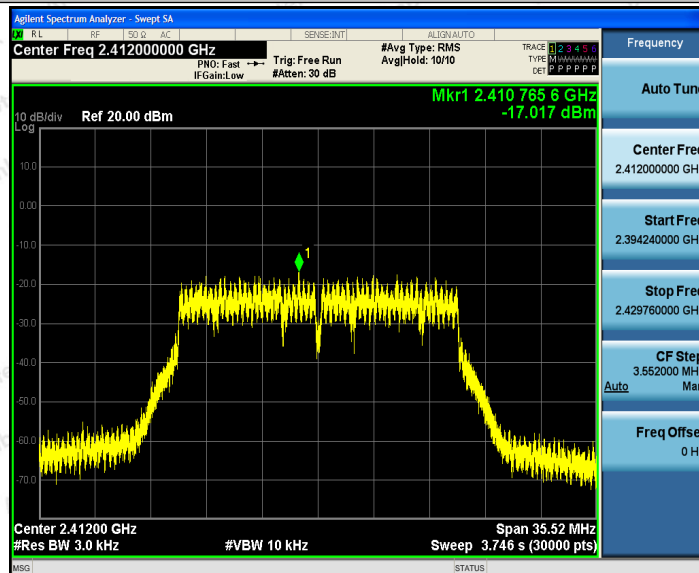
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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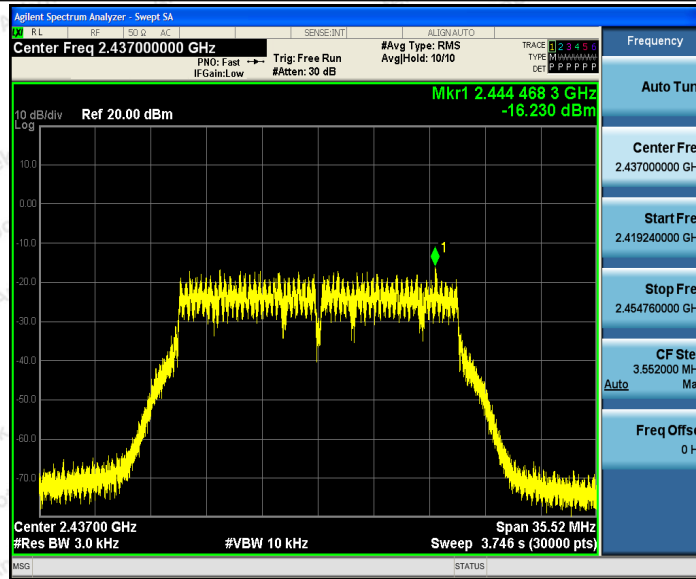
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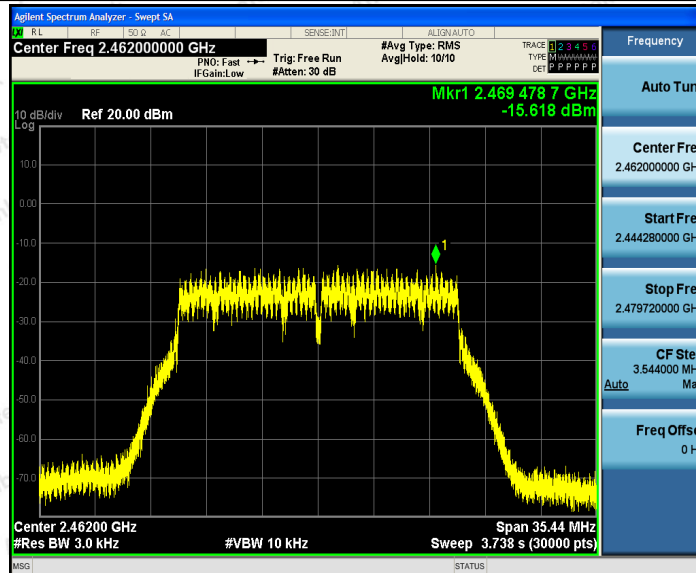
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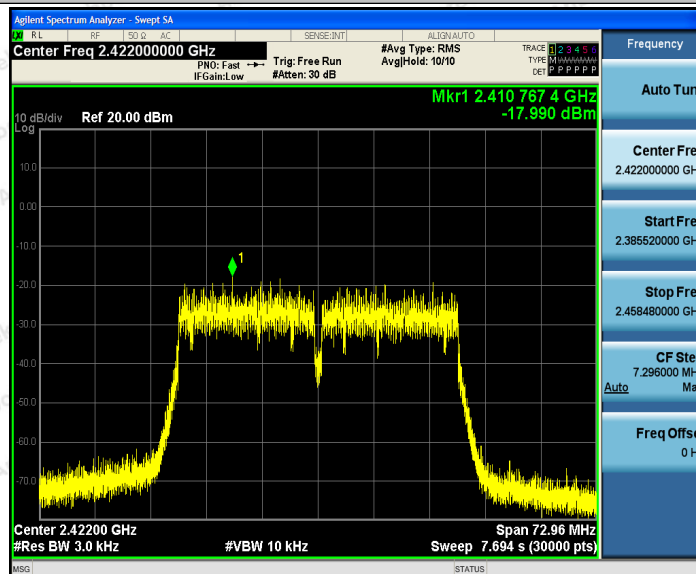
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11N20_Ant1_2462



11N40_Ant1_2422

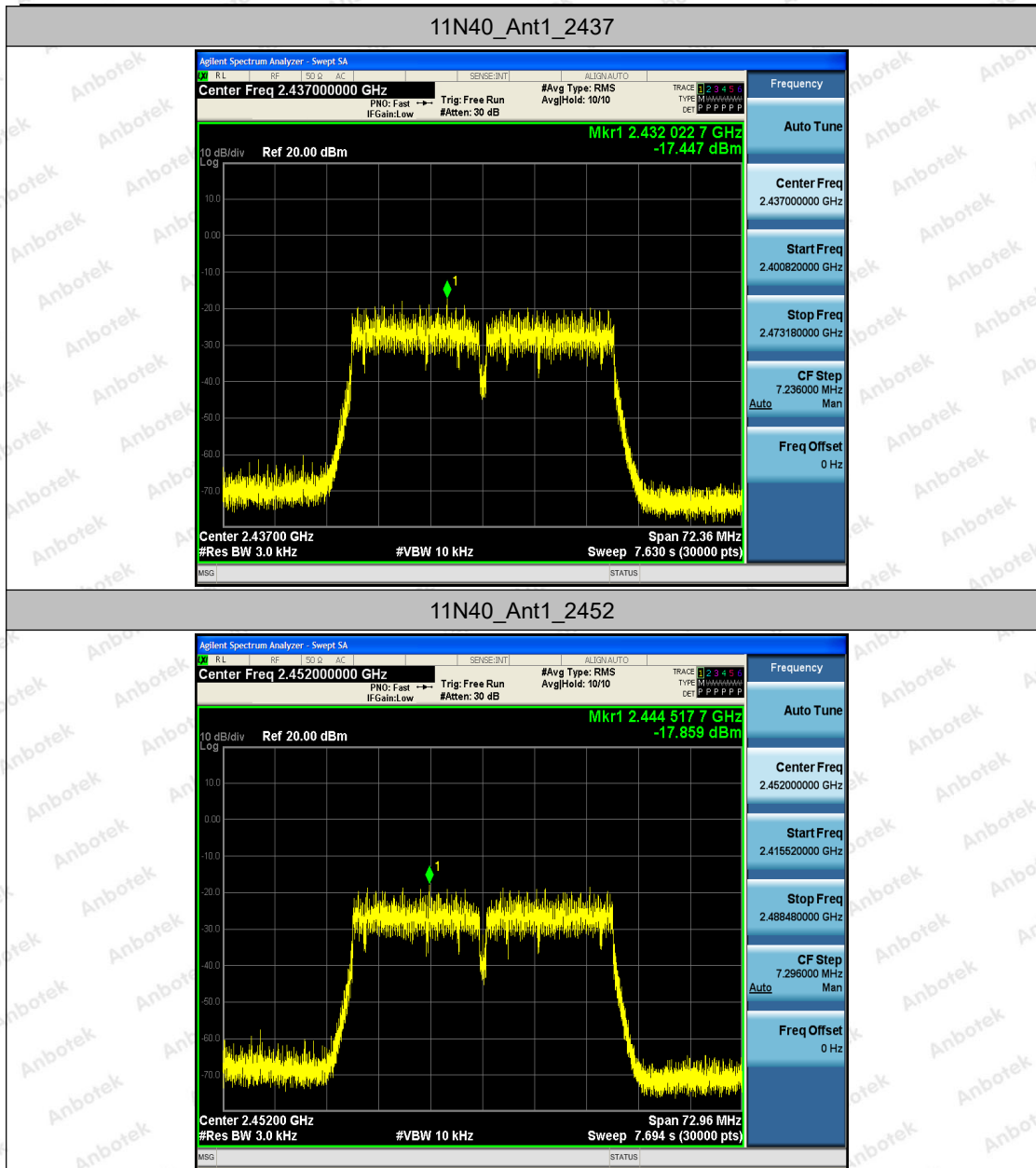


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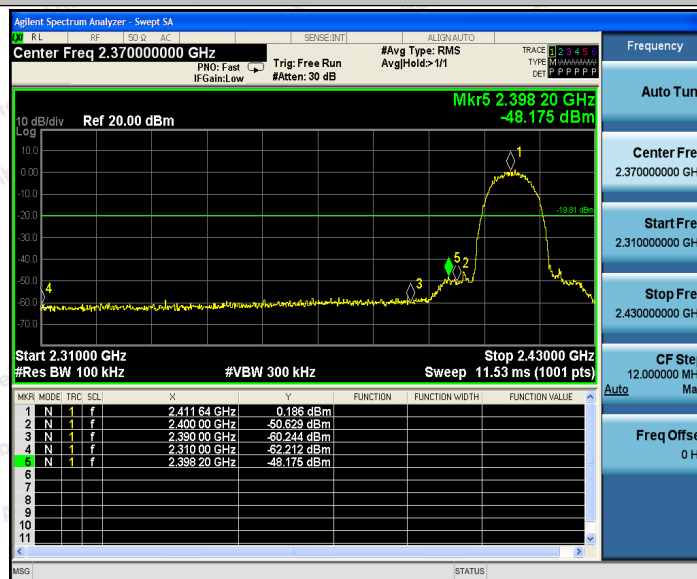
Appendix E: Band edge measurements

Test Result

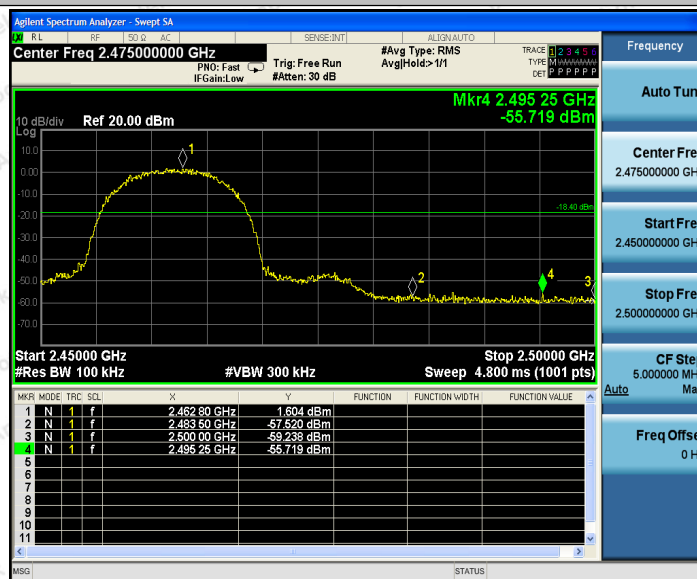
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.19	-48.18	≤-19.81	PASS
		High	2462	1.60	-55.72	≤-18.4	PASS
11G	Ant1	Low	2412	-2.62	-38.75	≤-22.62	PASS
		High	2462	-1.09	-54.07	≤-21.09	PASS
11N20	Ant1	Low	2412	-2.70	-37.55	≤-22.7	PASS
		High	2462	-1.08	-54.36	≤-21.08	PASS
11N40	Ant1	Low	2422	-4.71	-44.95	≤-24.71	PASS
		High	2452	-4.48	-49.08	≤-24.48	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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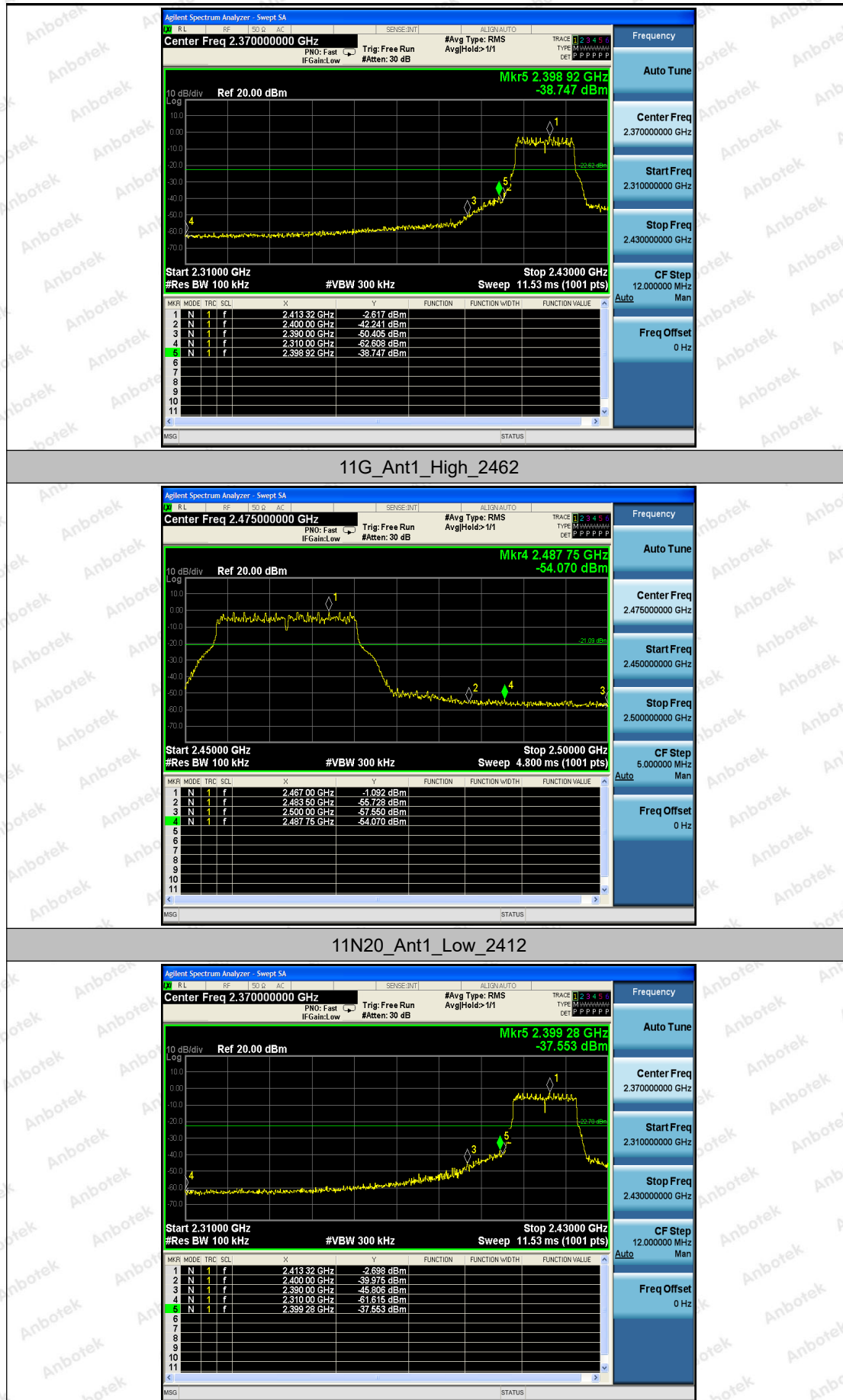
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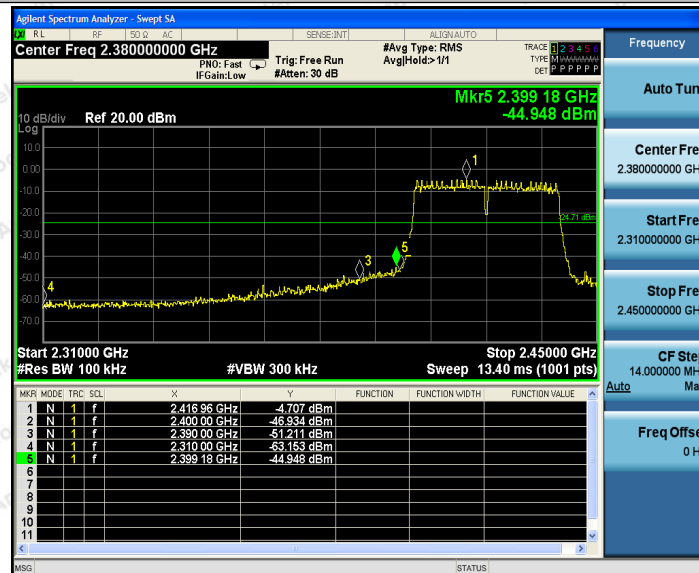
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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



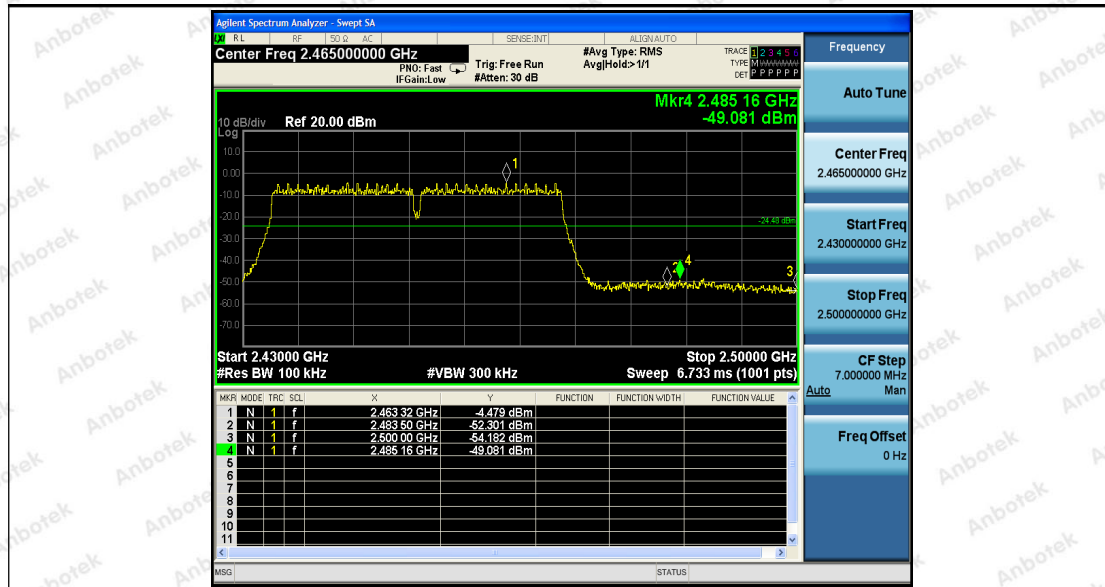
11N40_Ant1_High_2452

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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-69.97	≤-20.1	PASS
			1000~26500	-0.10	-56	≤-20.1	PASS
		2437	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-70.45	≤-18.79	PASS
			1000~26500	1.22	-56.09	≤-18.79	PASS
		2462	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-70.16	≤-18.63	PASS
			1000~26500	1.37	-54.44	≤-18.63	PASS
11G	Ant1	2412	Reference	-2.72	-2.72	---	PASS
			30~1000	-2.72	-70.71	≤-22.72	PASS
			1000~26500	-2.72	-54.98	≤-22.72	PASS
		2437	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-70.49	≤-22.02	PASS
			1000~26500	-2.02	-54.6	≤-22.02	PASS
		2462	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-70.15	≤-21.35	PASS
			1000~26500	-1.35	-55.5	≤-21.35	PASS
11N20	Ant1	2412	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-70.76	≤-22.74	PASS
			1000~26500	-2.74	-55.95	≤-22.74	PASS
		2437	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-70.48	≤-21.99	PASS
			1000~26500	-1.99	-55.22	≤-21.99	PASS
		2462	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-69.95	≤-21.1	PASS
			1000~26500	-1.10	-55.29	≤-21.1	PASS
11N40	Ant1	2422	Reference	-5.00	-5.00	---	PASS
			30~1000	-5.00	-70.21	≤-25	PASS
			1000~26500	-5.00	-55.12	≤-25	PASS
		2437	Reference	-4.58	-4.58	---	PASS
			30~1000	-4.58	-70.19	≤-24.58	PASS
			1000~26500	-4.58	-55.88	≤-24.58	PASS
		2452	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-70.17	≤-24.5	PASS
			1000~26500	-4.50	-55.41	≤-24.5	PASS

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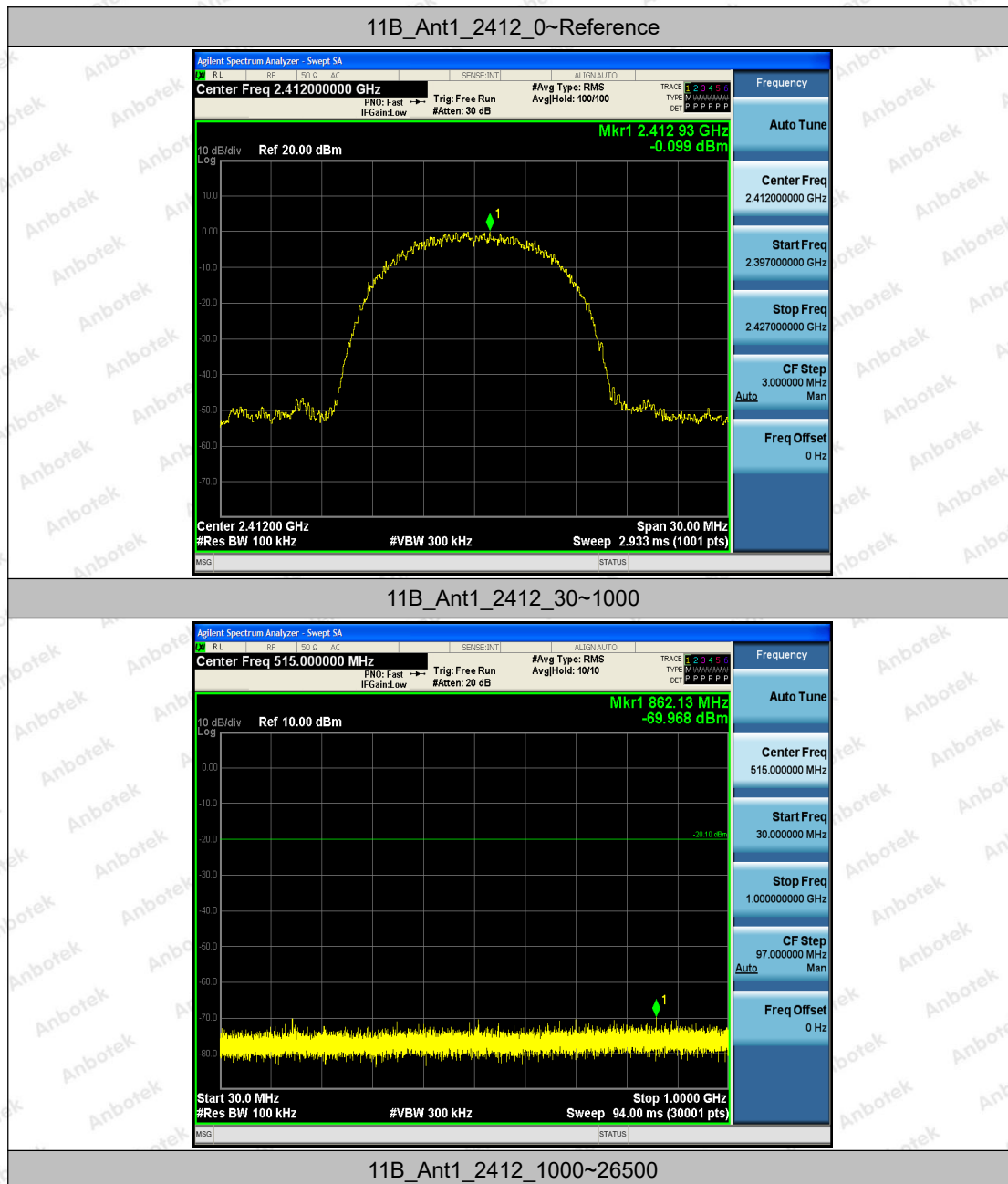


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Test Graphs



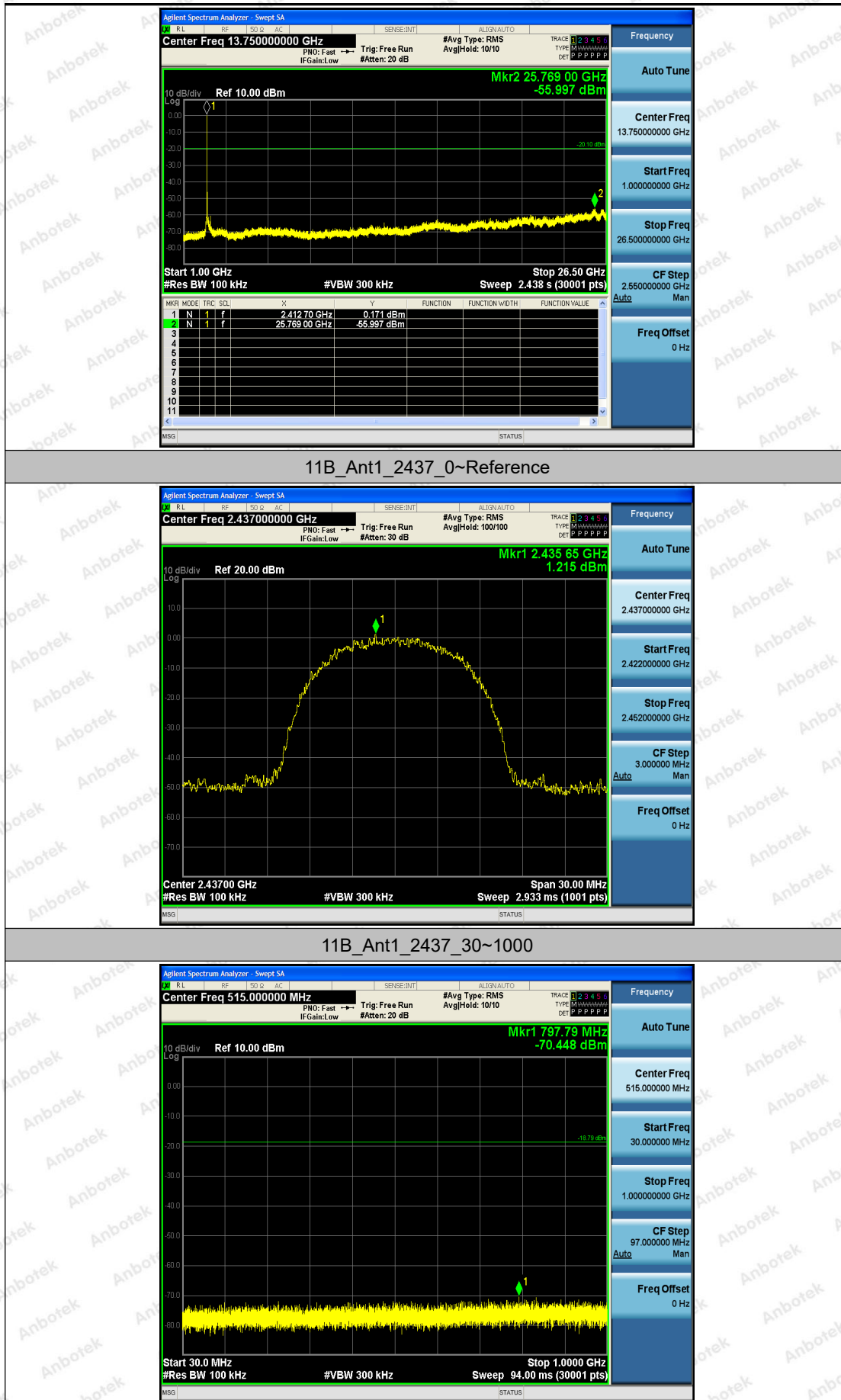
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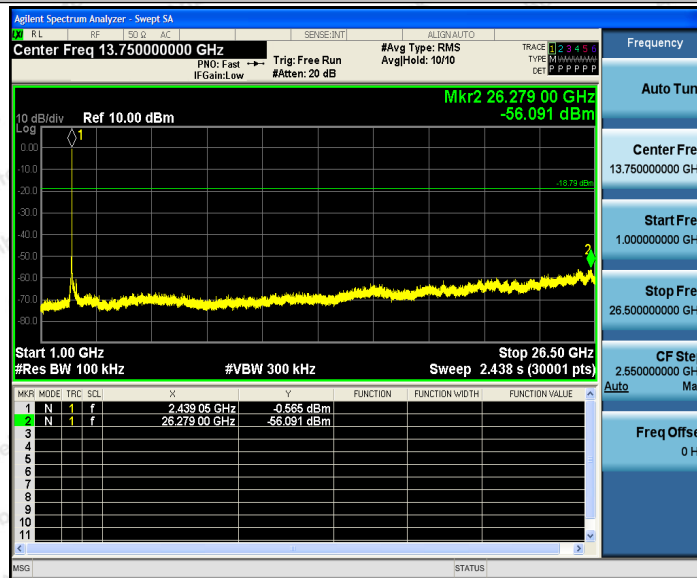
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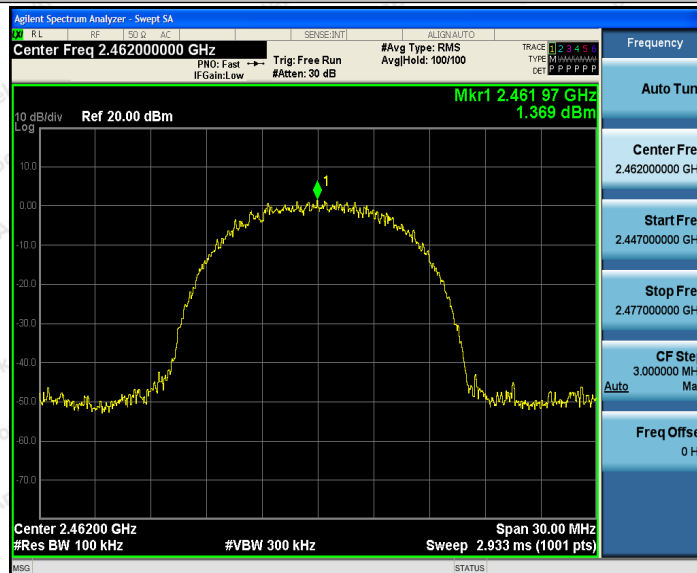
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



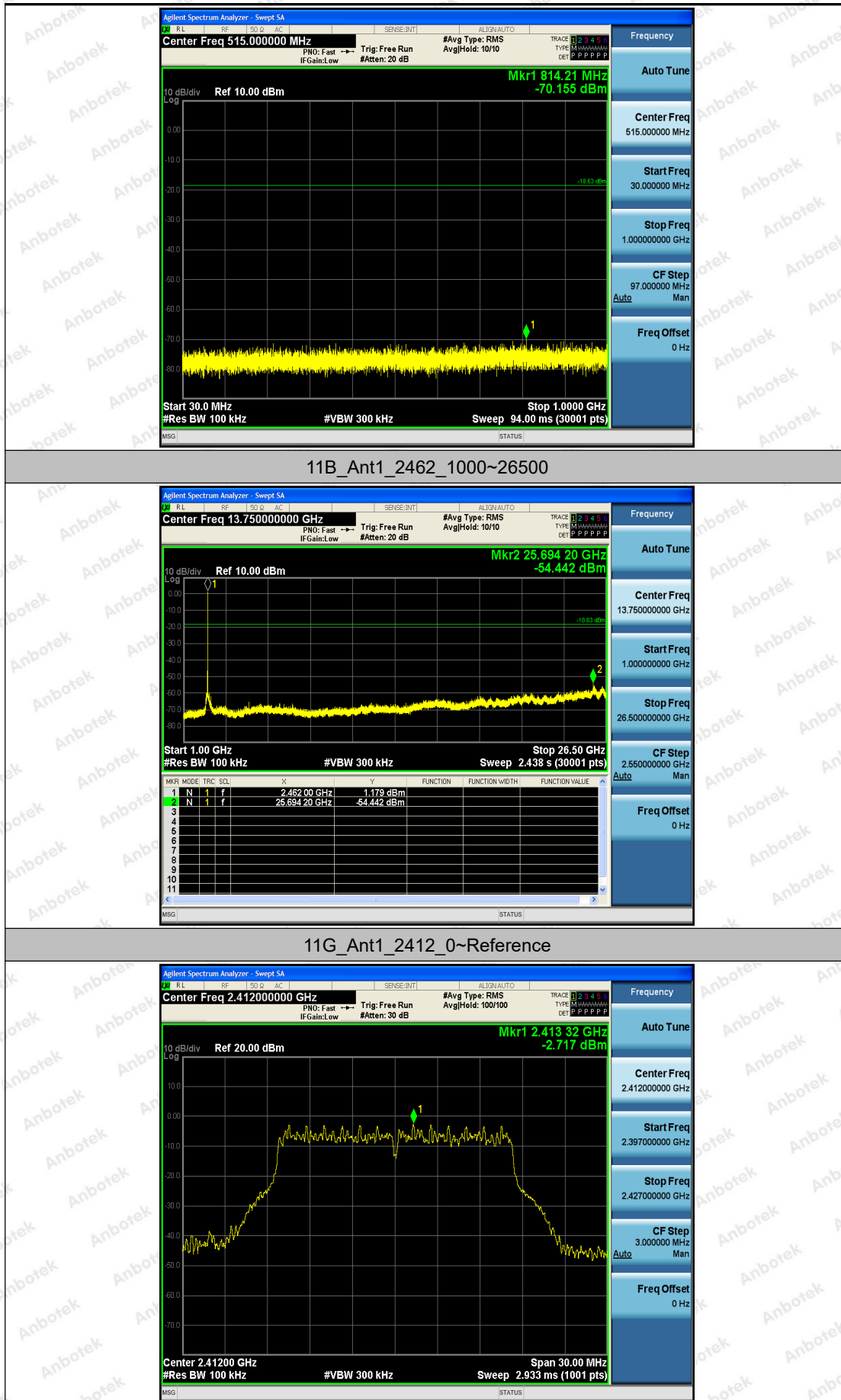
11B_Ant1_2462_30~1000

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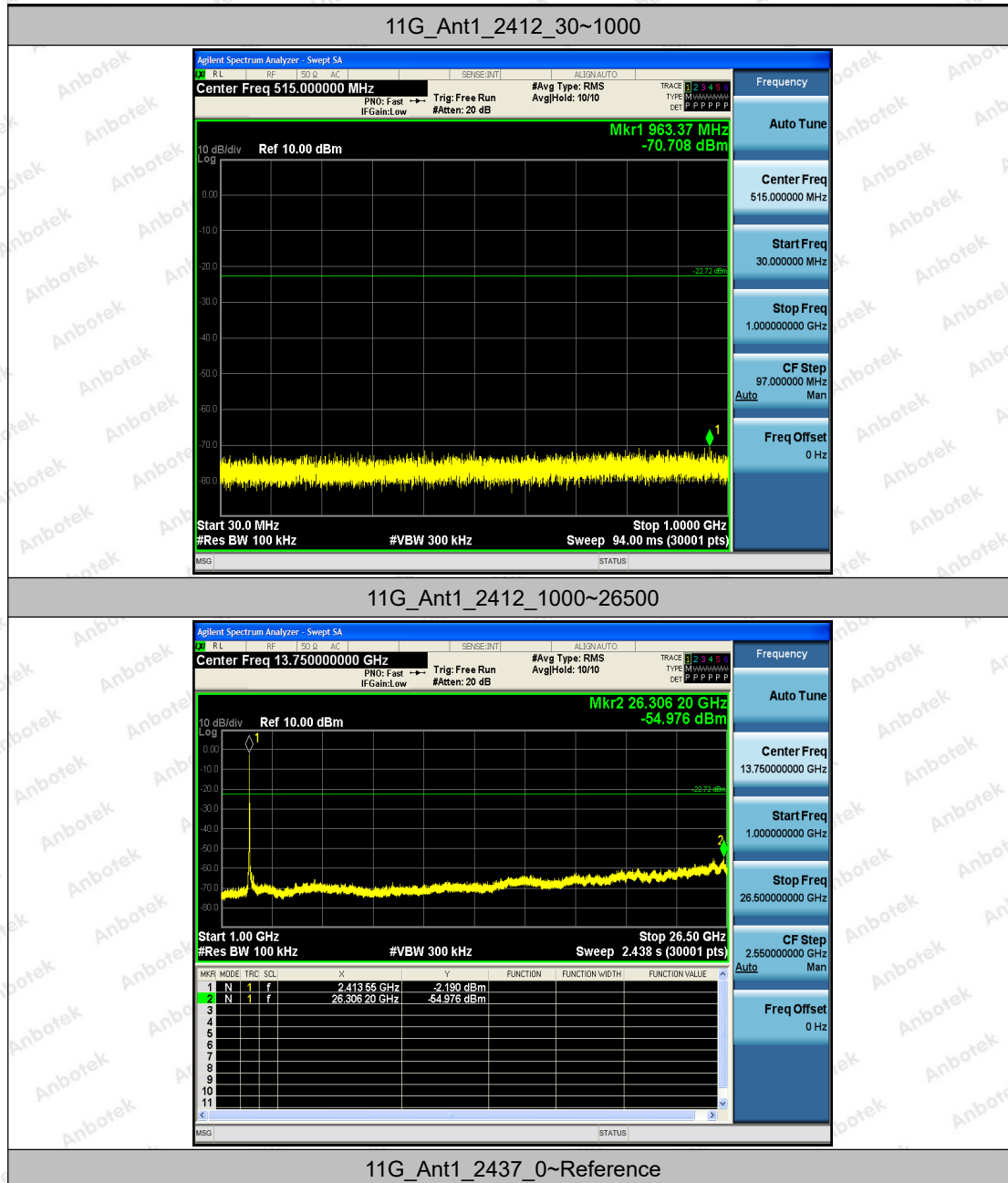


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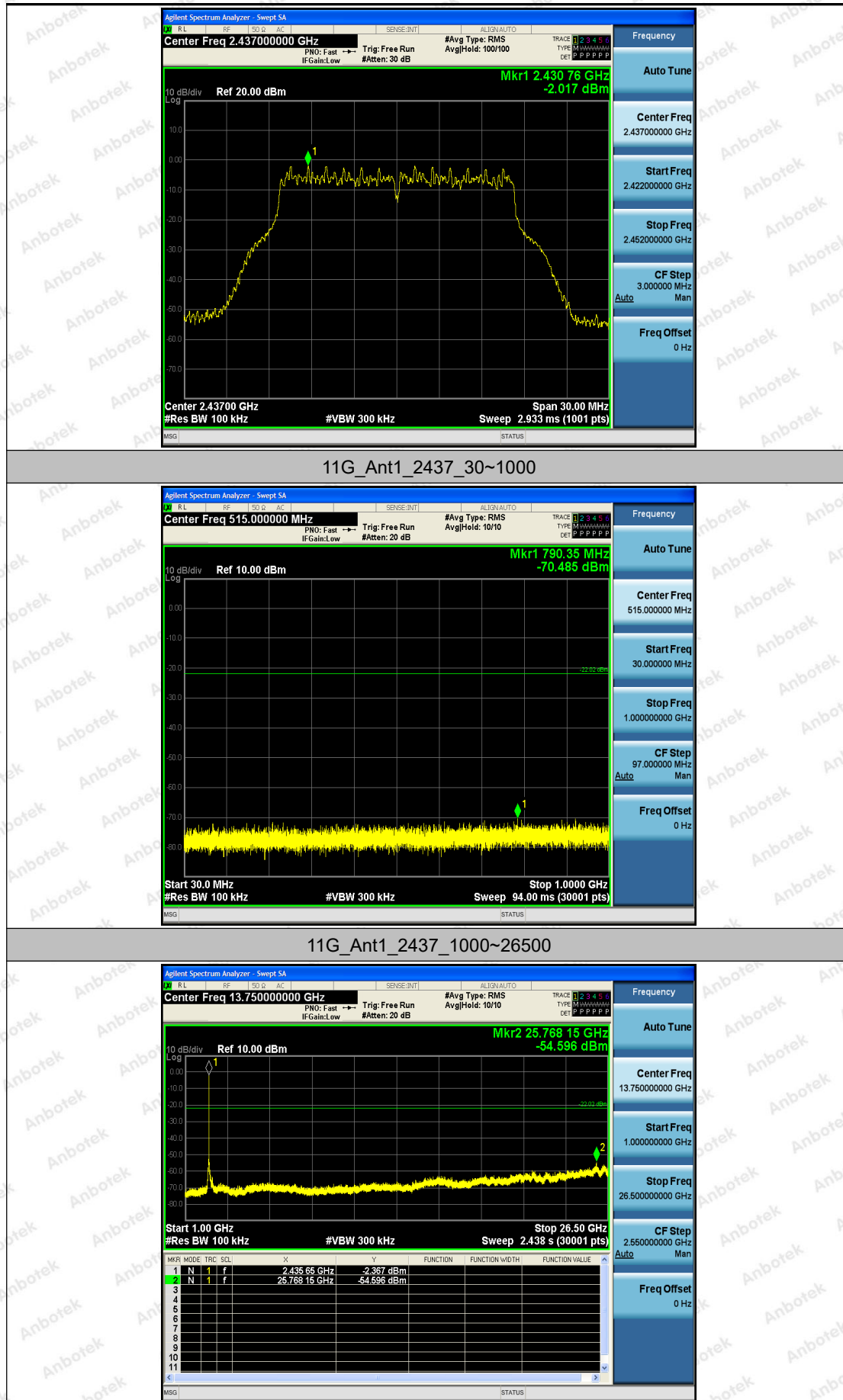


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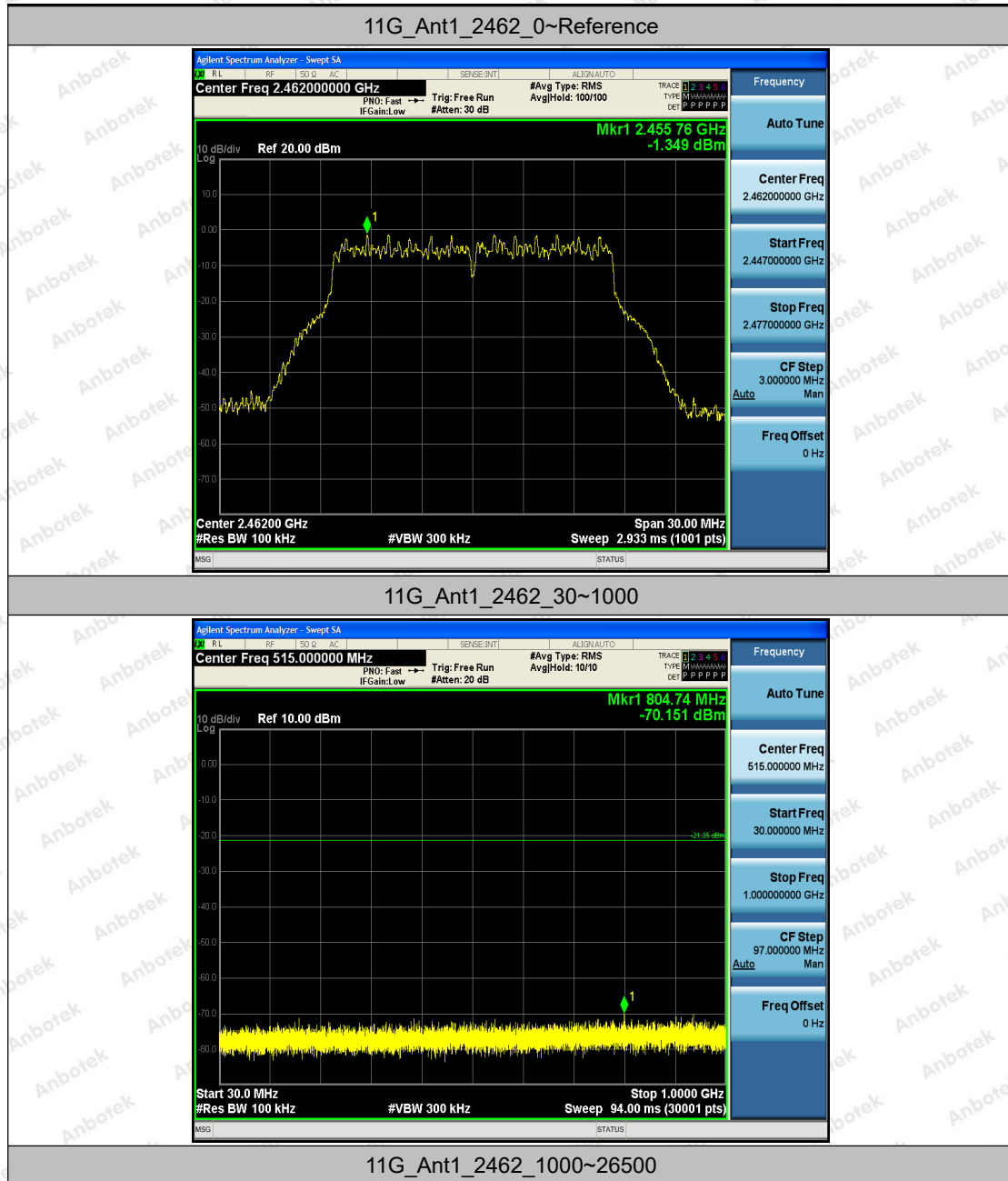


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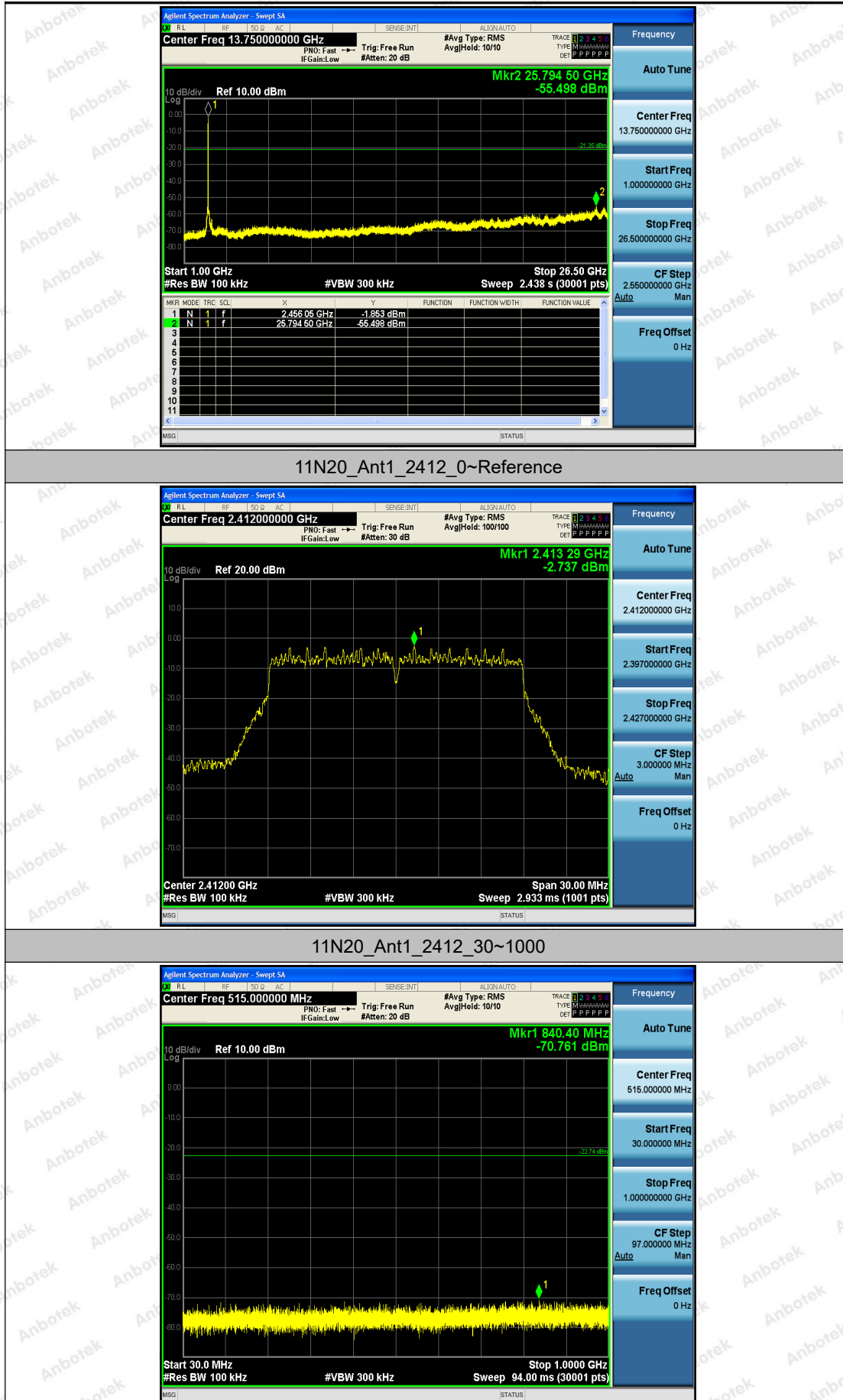
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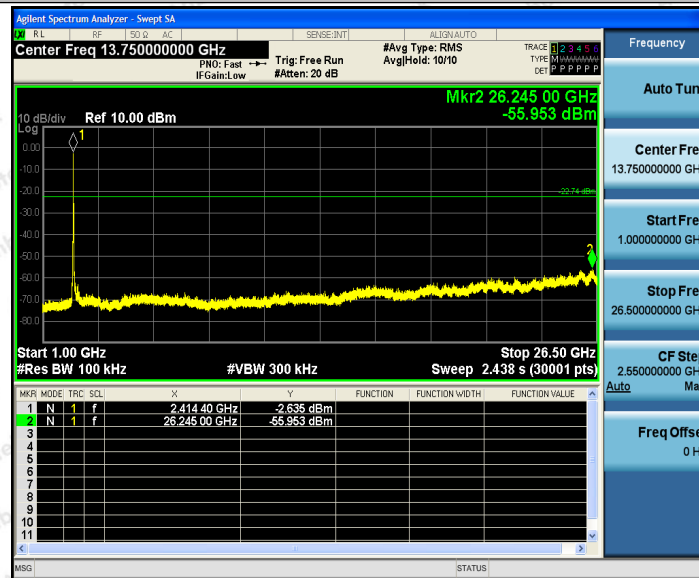
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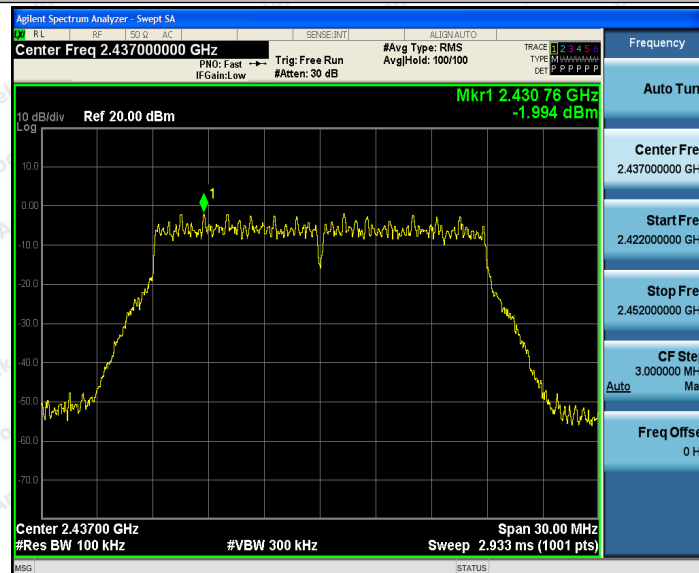
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



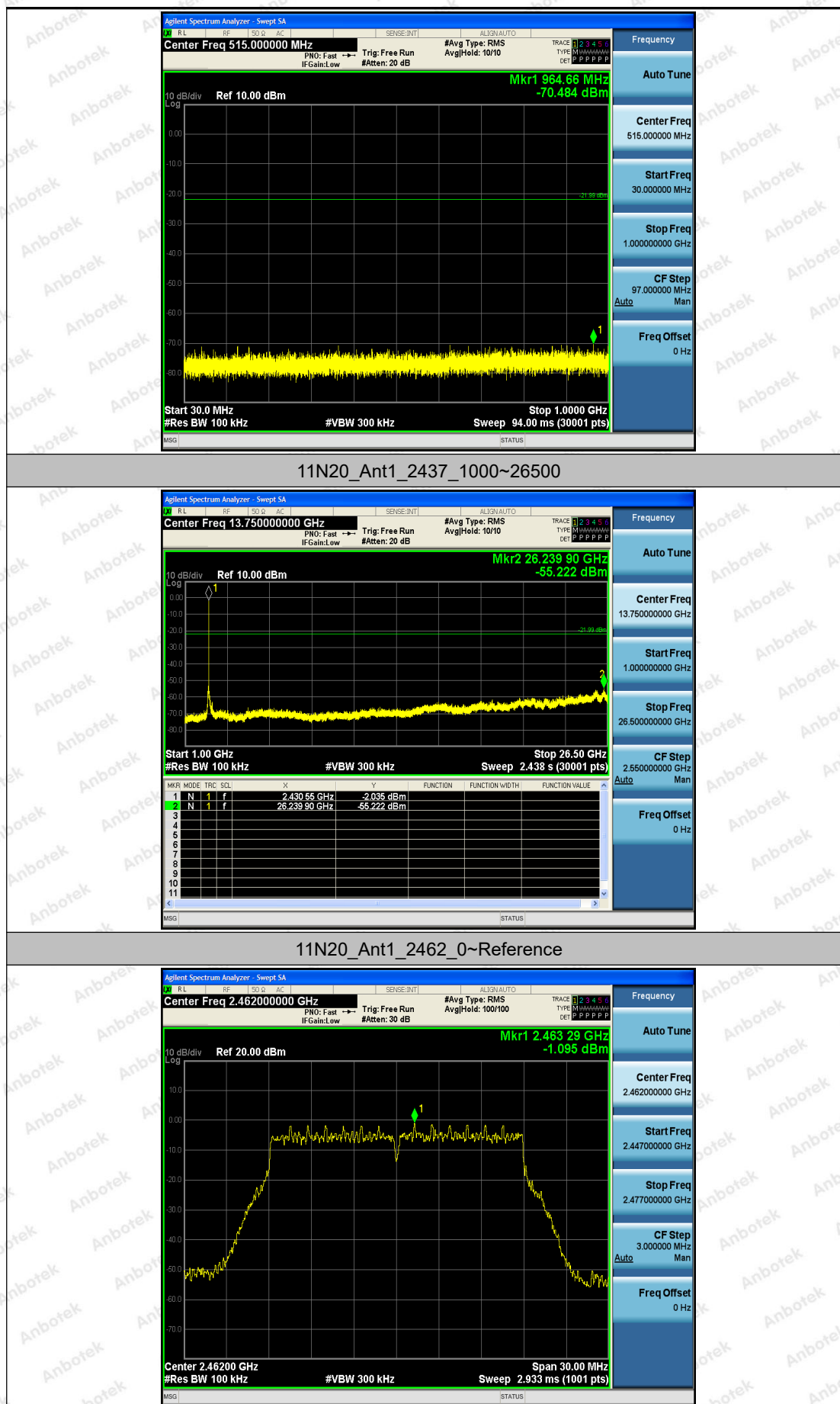
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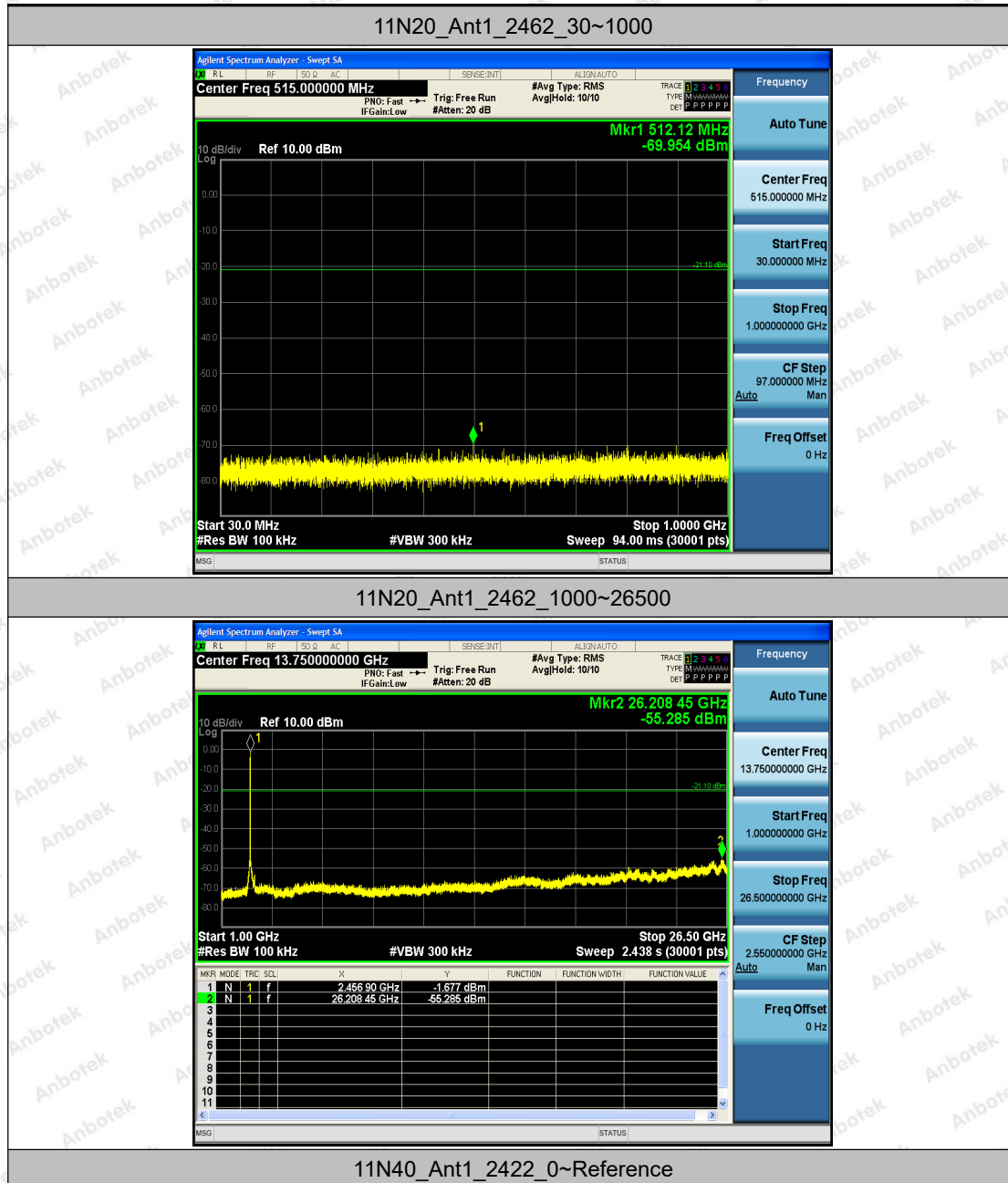


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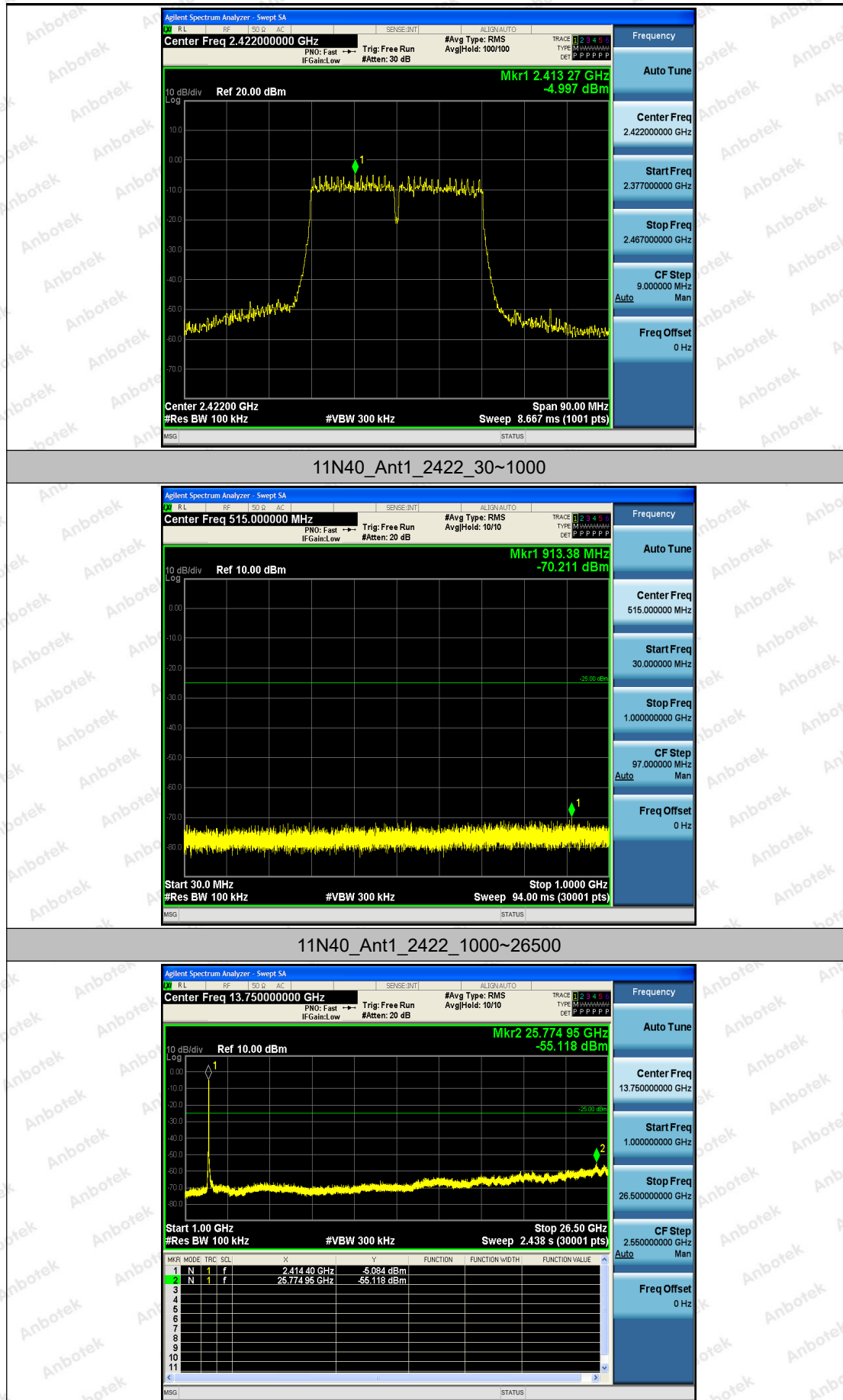


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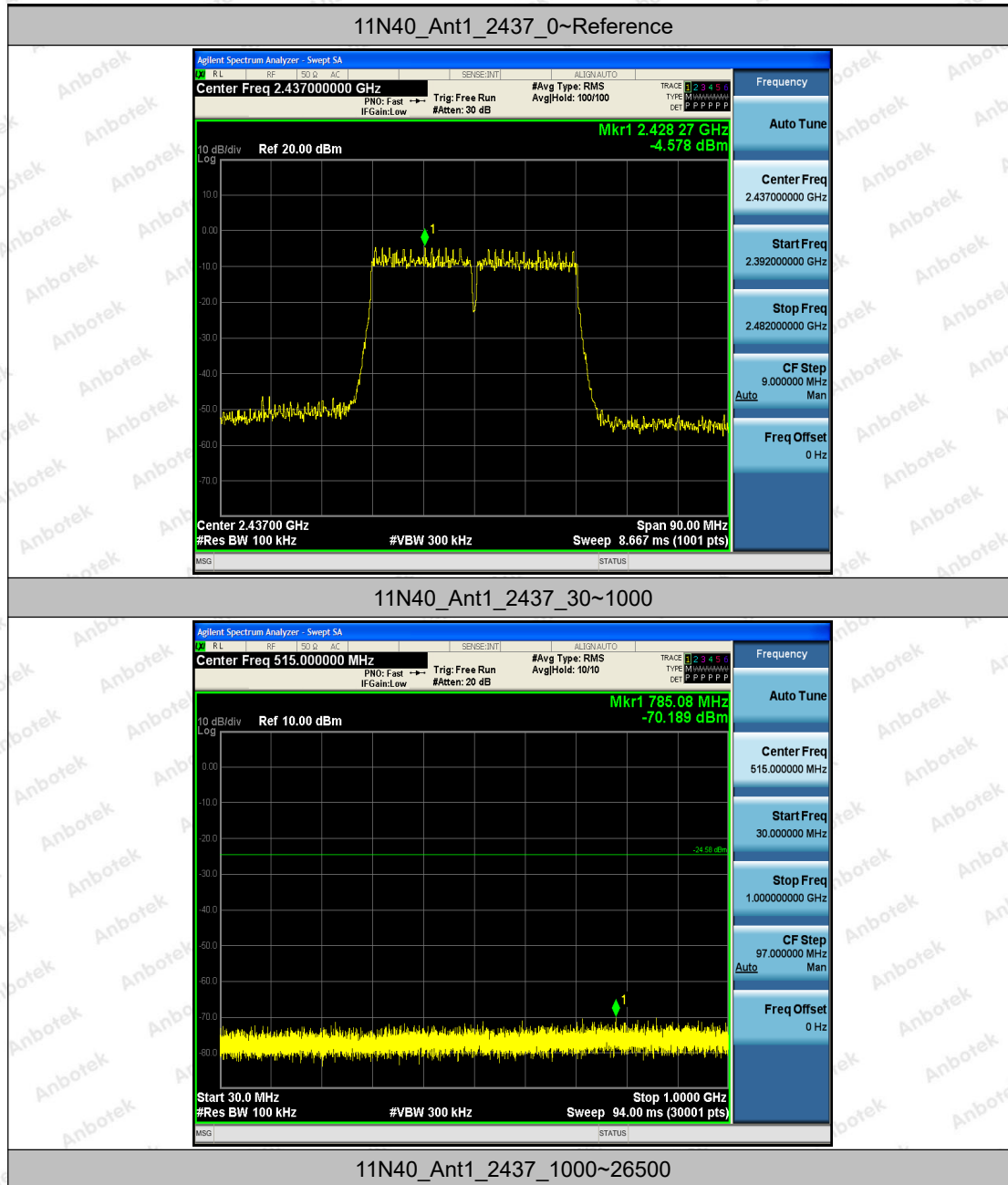


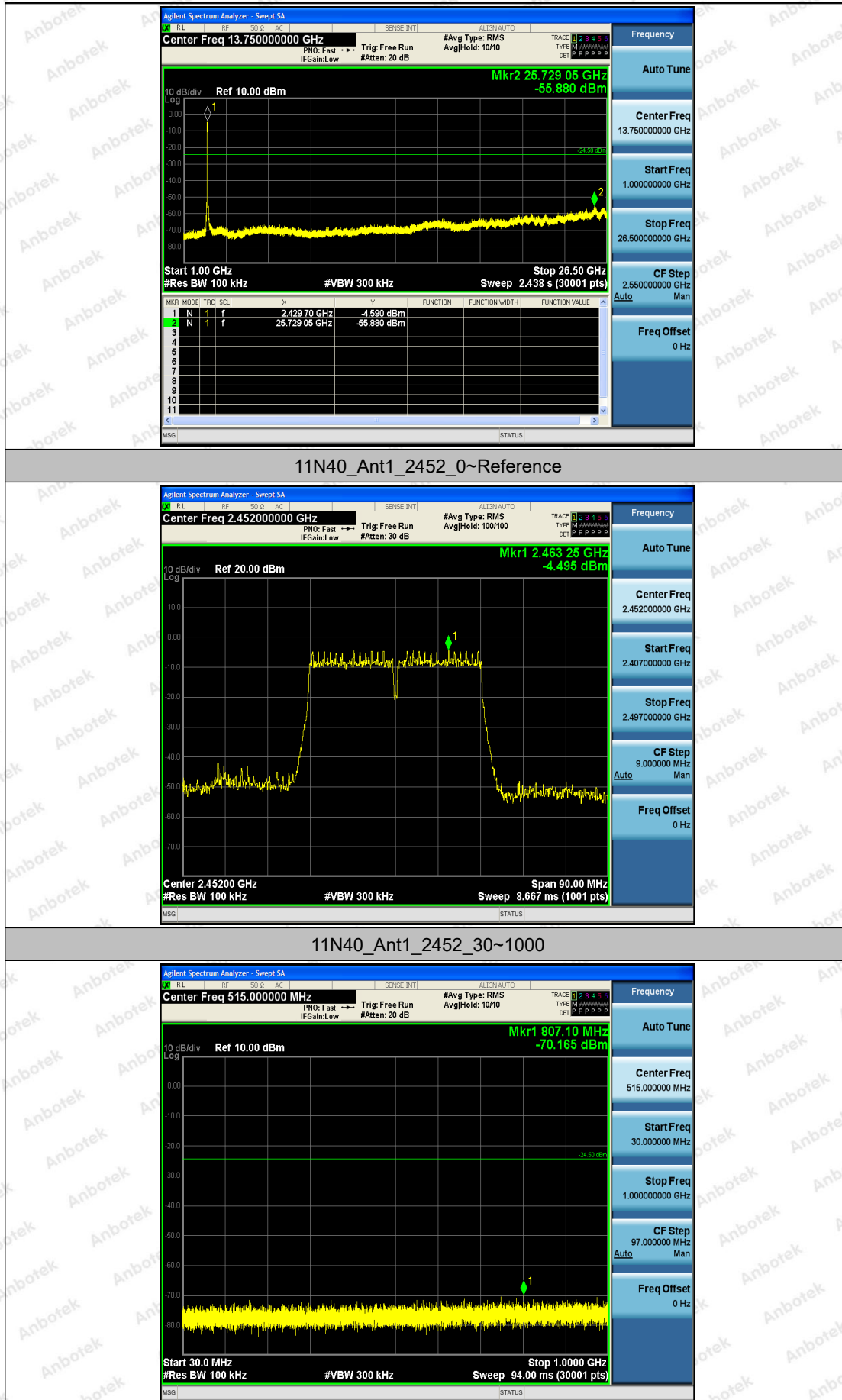
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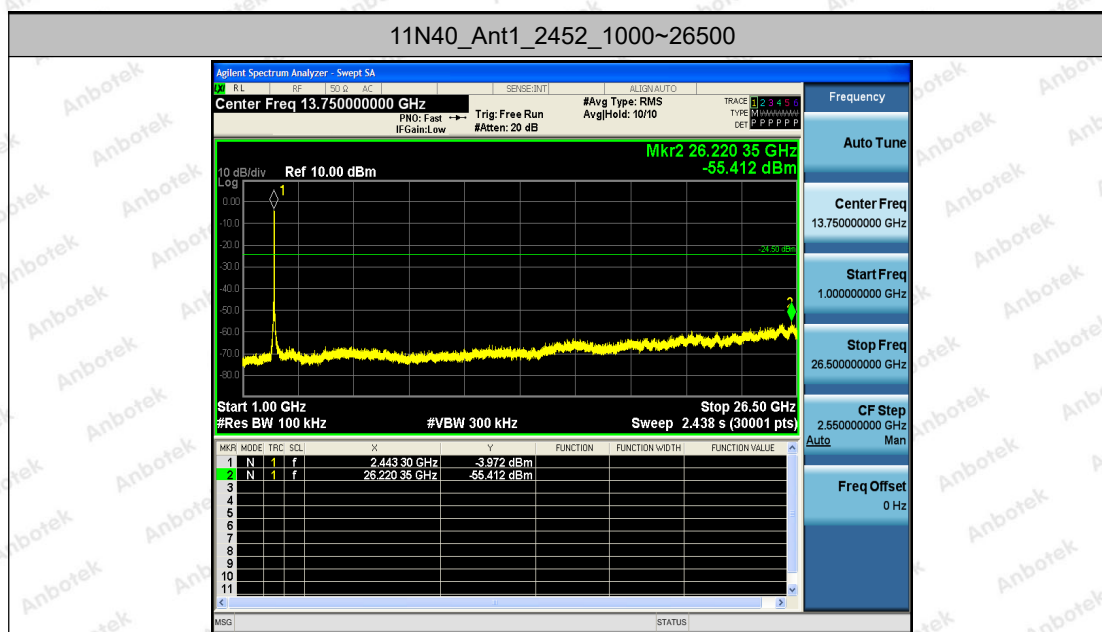


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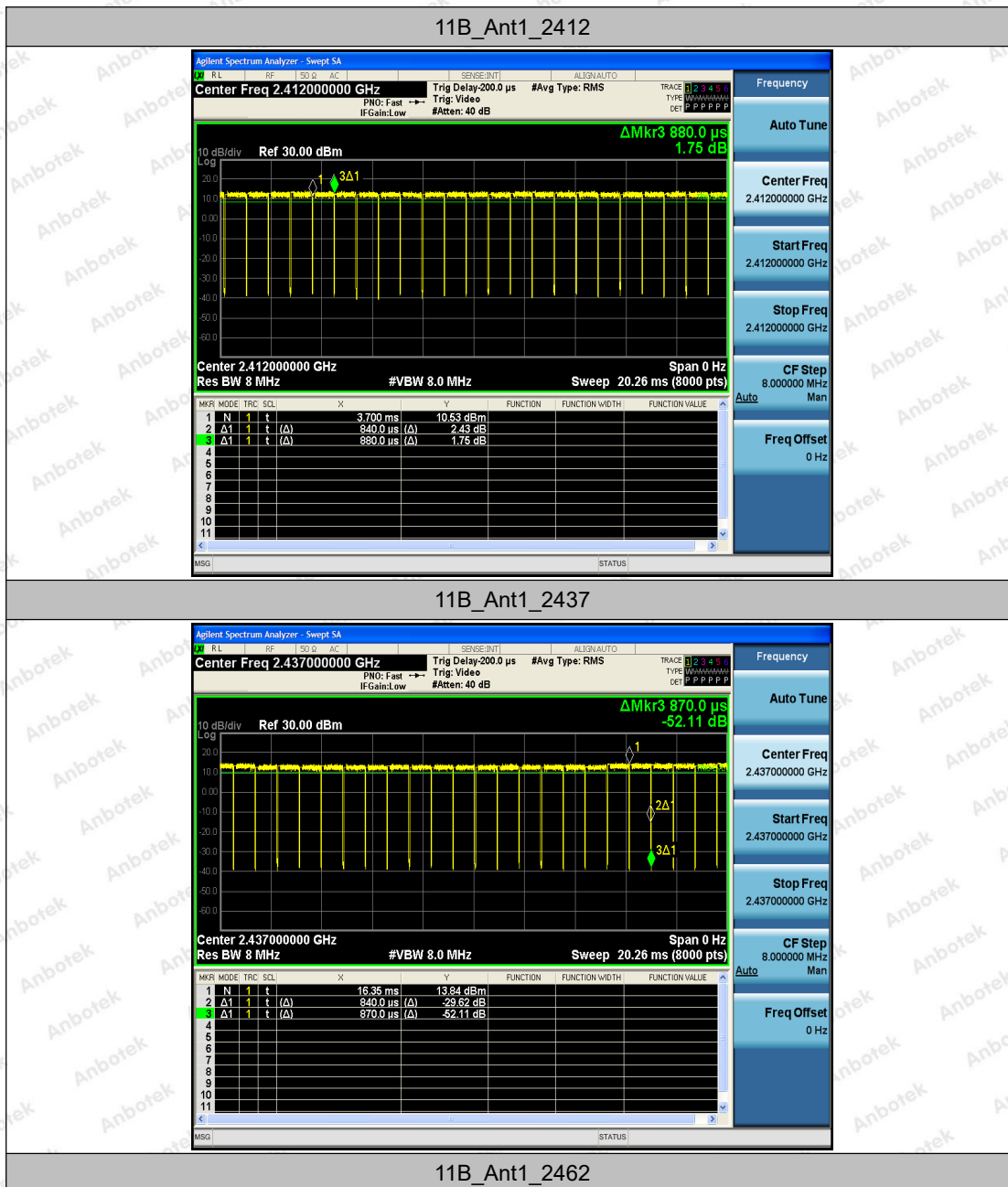
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	0.84	0.88	95.45	---	PASS
		2437	0.84	0.87	96.55	---	PASS
		2462	0.84	0.88	95.45	---	PASS
11G	Ant1	2412	0.18	0.22	81.82	---	PASS
		2437	0.18	0.22	81.82	---	PASS
		2462	0.17	0.21	80.95	---	PASS
11N20	Ant1	2412	0.17	0.21	80.95	---	PASS
		2437	0.17	0.21	80.95	---	PASS
		2462	0.16	0.21	76.19	---	PASS
11N40	Ant1	2422	0.10	0.14	71.43	---	PASS
		2437	0.10	0.14	71.43	---	PASS
		2452	0.10	0.14	71.43	---	PASS

Test Graphs



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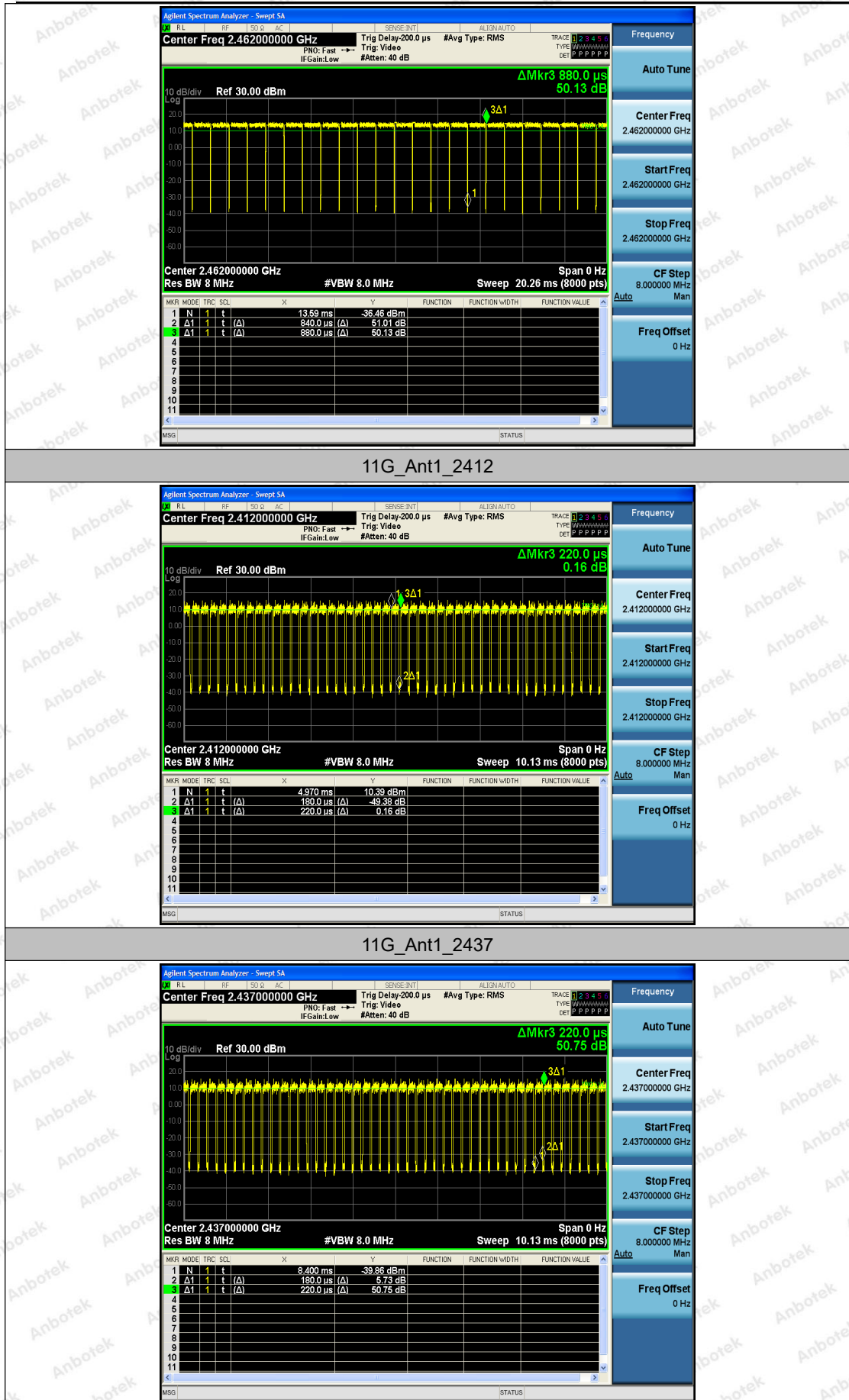
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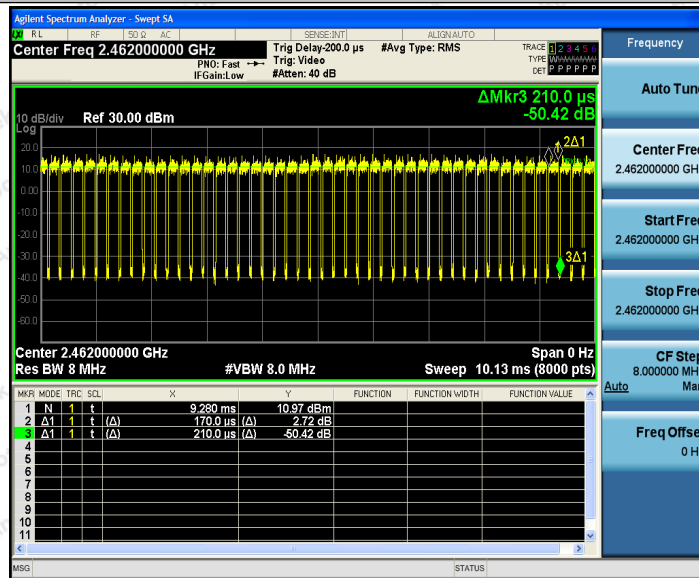
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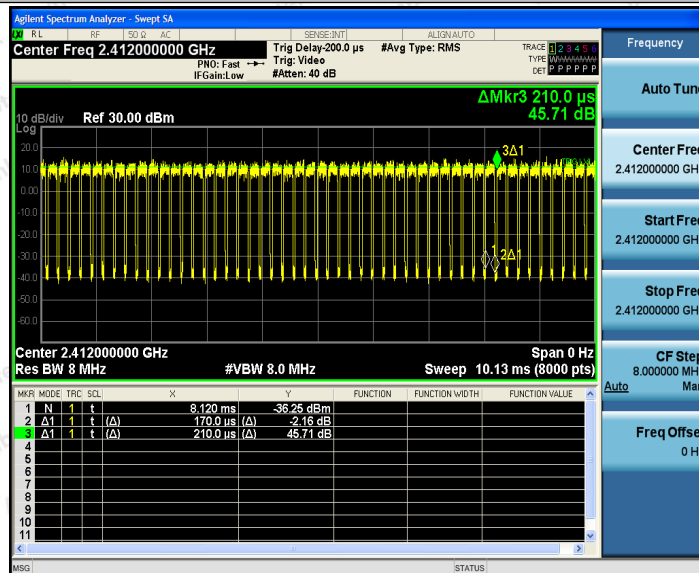
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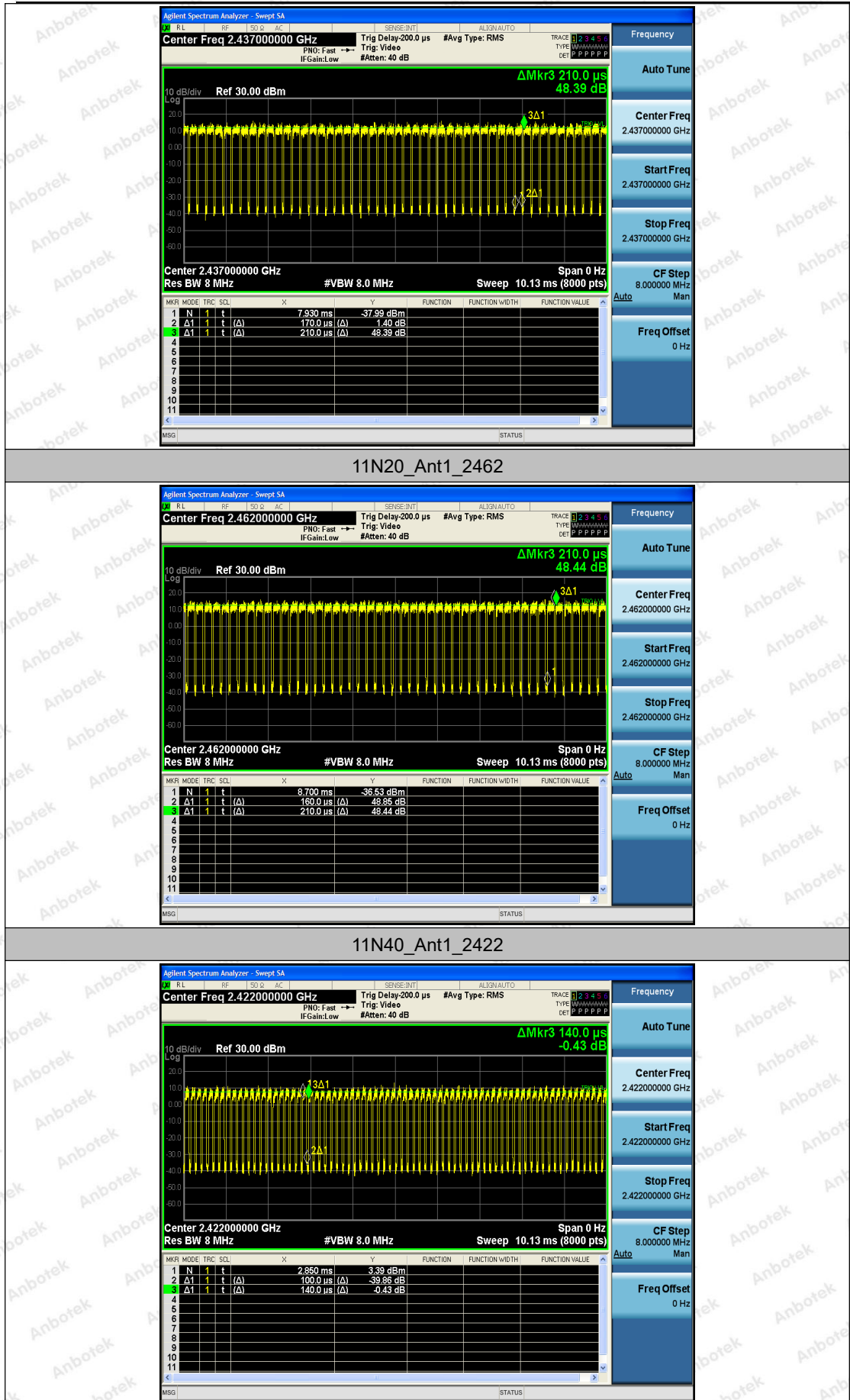
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11N20_Ant1_2412



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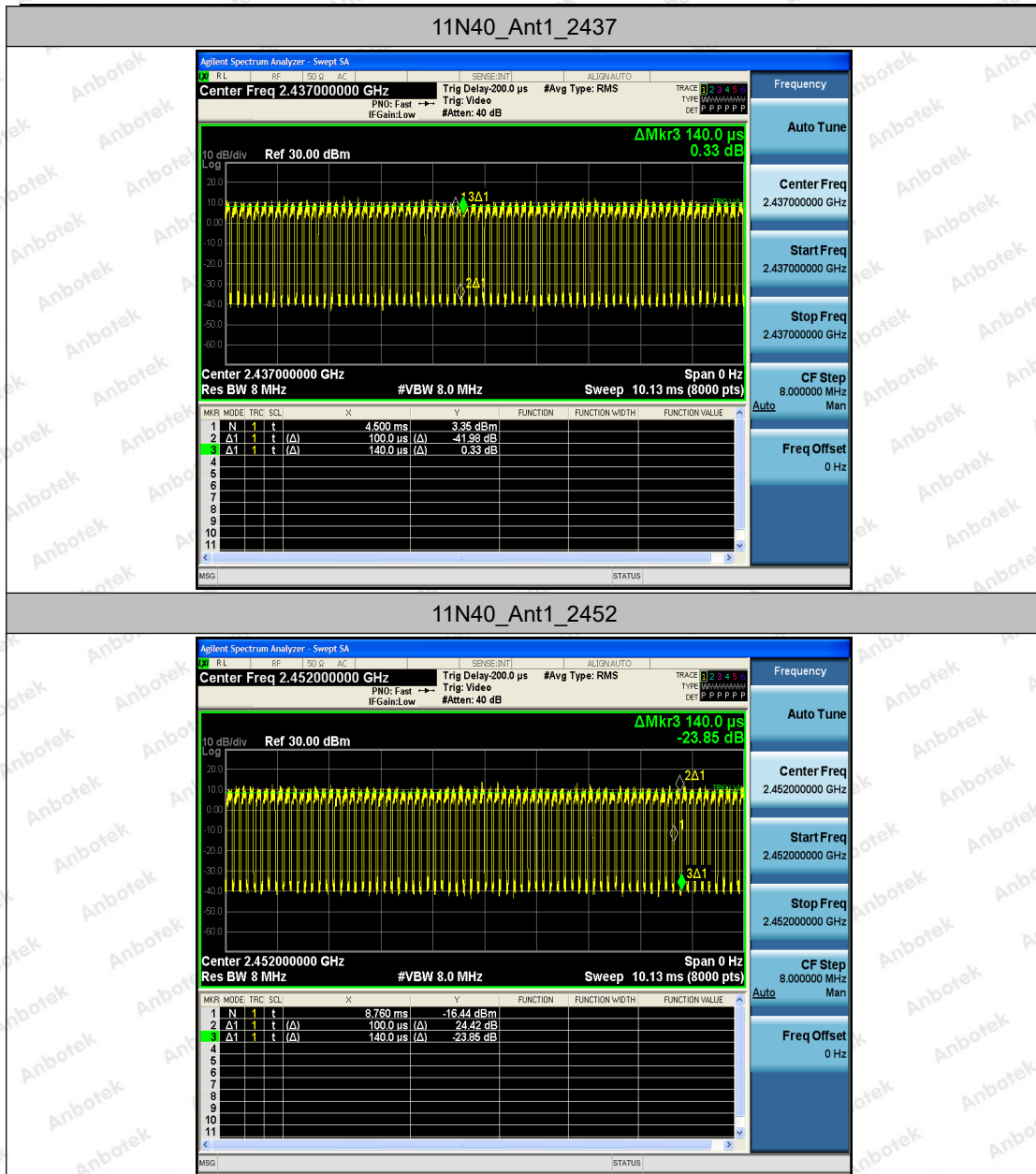


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