

Appendix Test Data

Report No.:	18220WC20114602	Test Sample No.:	1-2-2
Start Test Date:	2022.5.26	Finish Test Date:	2022.6.1
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.5 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.760	2407.000	2416.760	≥0.5	PASS
		2437	9.440	2432.360	2441.800	≥0.5	PASS
		2462	9.800	2457.200	2467.000	≥0.5	PASS
11G	Ant1	2412	16.400	2403.720	2420.120	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.200	2403.240	2420.440	≥0.5	PASS
		2437	17.640	2428.160	2445.800	≥0.5	PASS
		2462	17.640	2453.200	2470.840	≥0.5	PASS
11N40	Ant1	2422	35.280	2404.360	2439.640	≥0.5	PASS
		2437	35.760	2419.120	2454.880	≥0.5	PASS
		2452	35.760	2434.180	2469.940	≥0.5	PASS

Test Graphs





11G_Ant1_2412



11G_Ant1_2437



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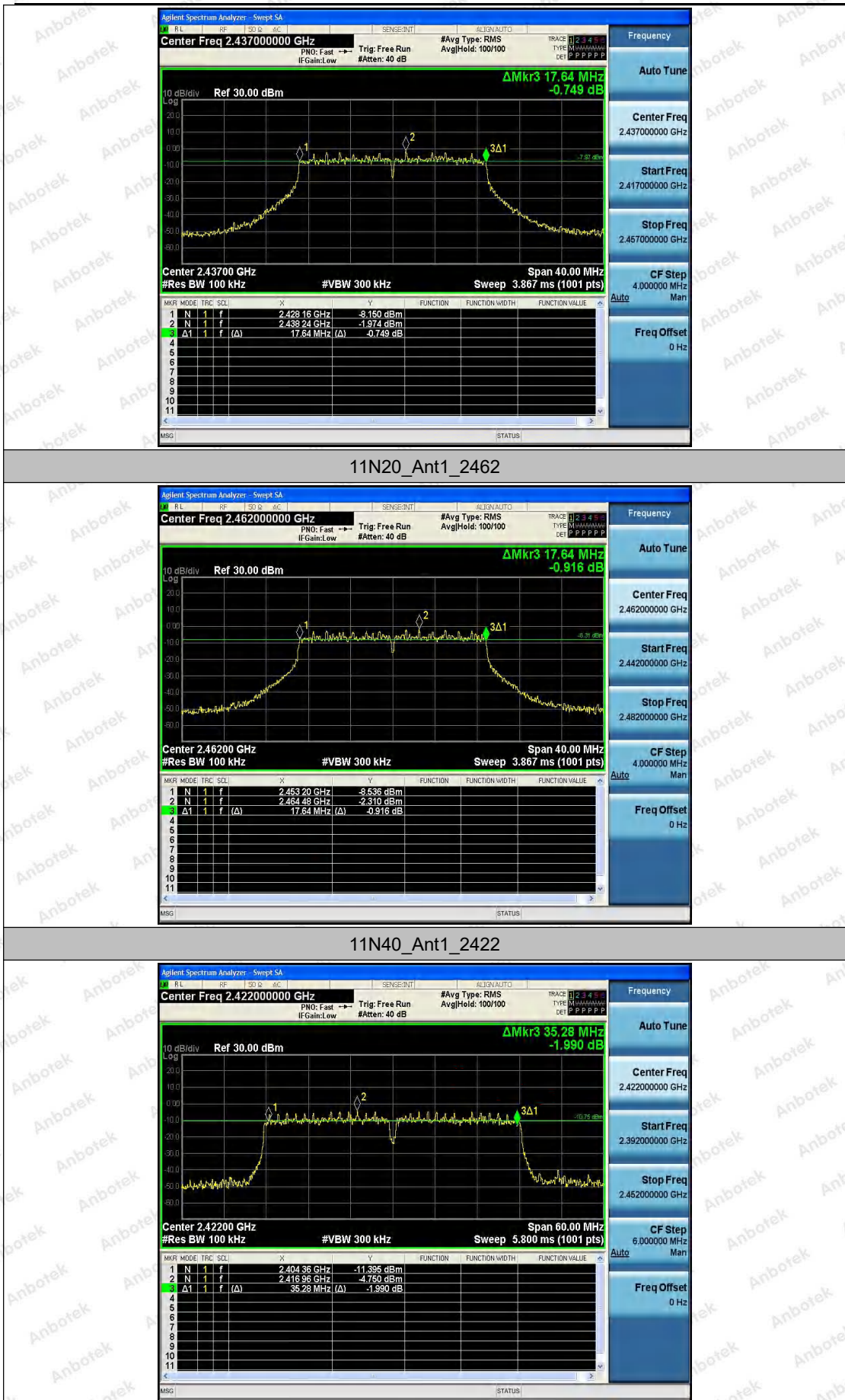


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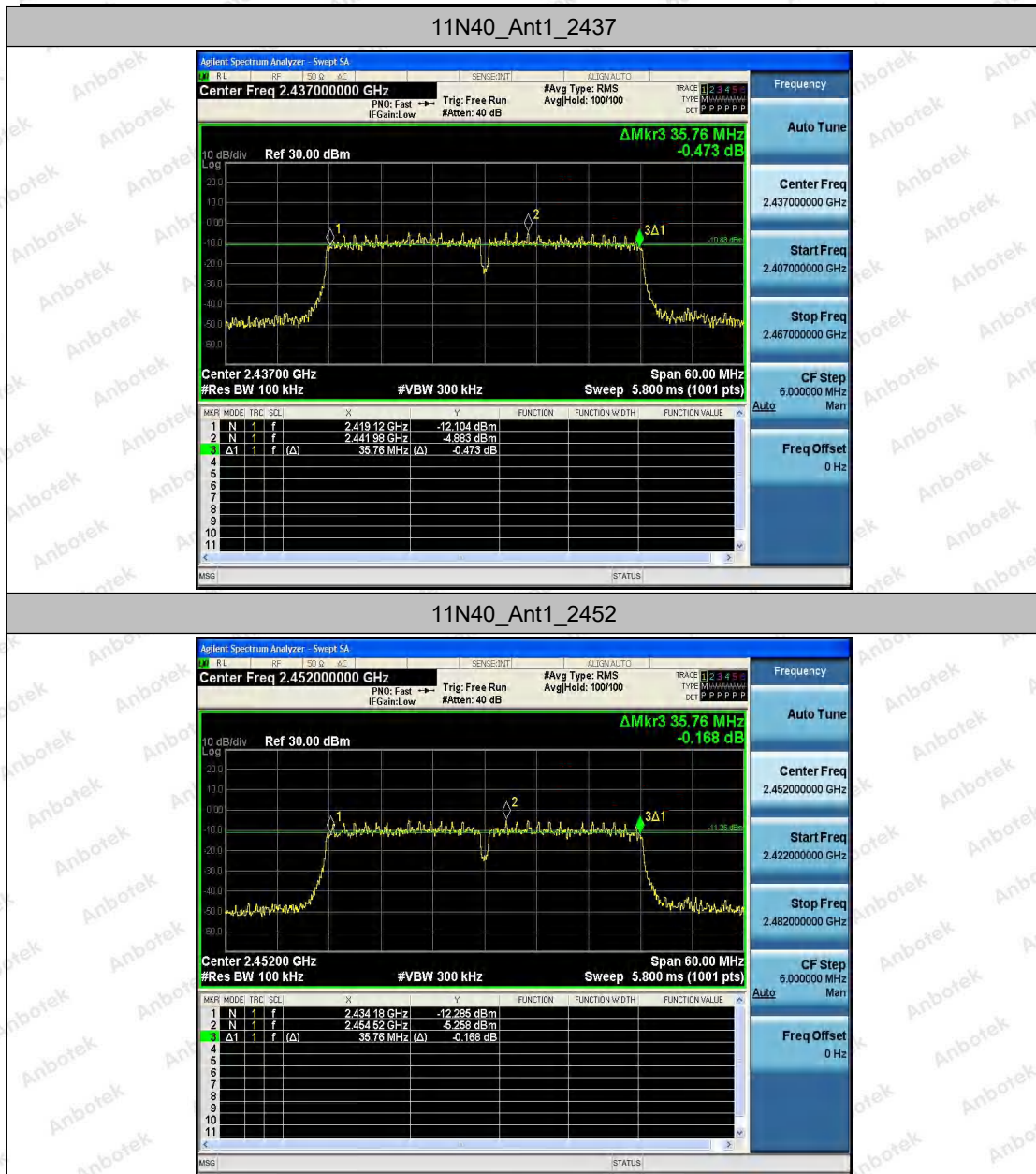
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.573	2404.717	2419.290	---	PASS
		2437	14.718	2429.625	2444.343	---	PASS
		2462	14.707	2454.651	2469.358	---	PASS
11G	Ant1	2412	16.808	2403.624	2420.432	---	PASS
		2437	16.875	2428.604	2445.479	---	PASS
		2462	16.920	2453.488	2470.408	---	PASS
11N20	Ant1	2412	18.144	2402.865	2421.009	---	PASS
		2437	17.862	2428.065	2445.927	---	PASS
		2462	17.855	2453.052	2470.907	---	PASS
11N40	Ant1	2422	35.915	2404.061	2439.976	---	PASS
		2437	35.930	2419.009	2454.939	---	PASS
		2452	35.986	2433.976	2469.962	---	PASS

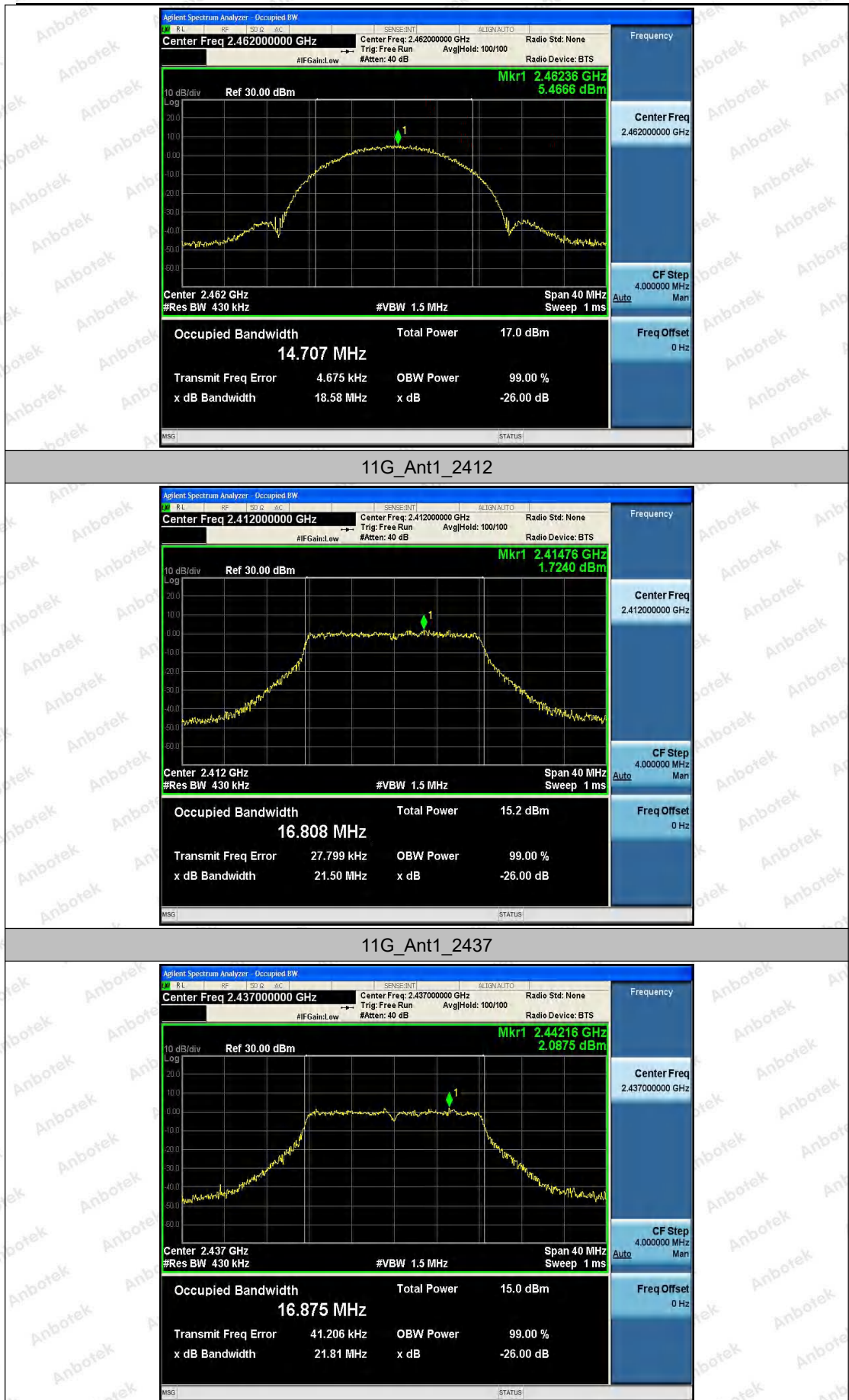
Test Graphs



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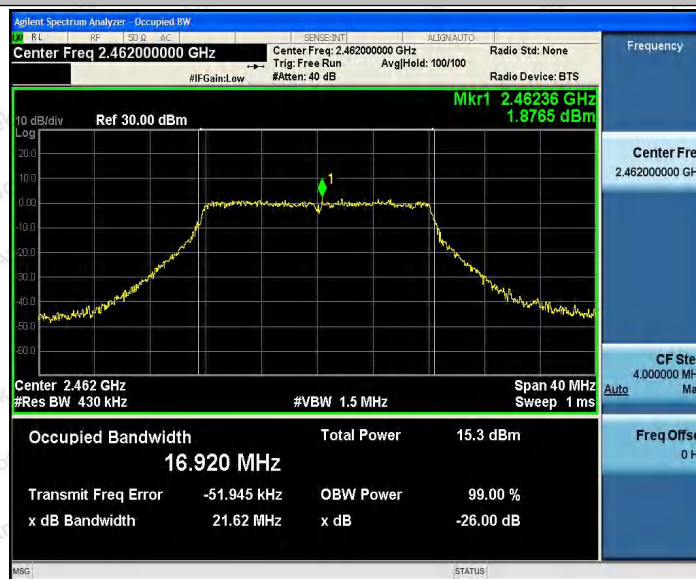


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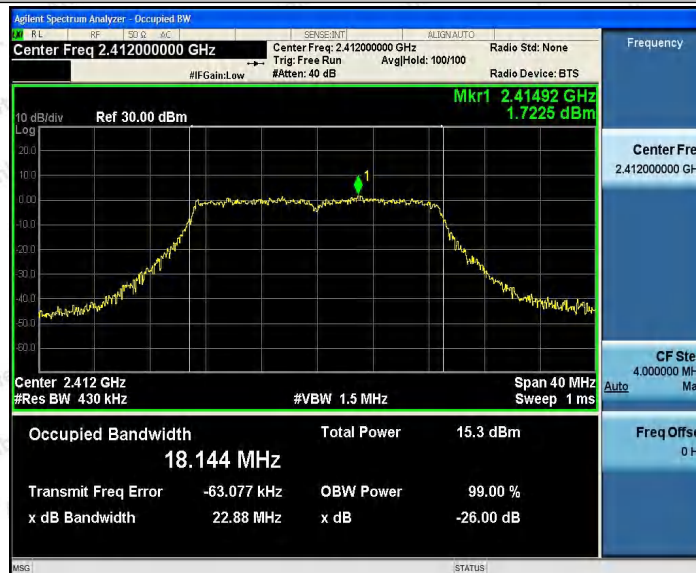
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11G_Ant1_2462



11N20_Ant1_2412

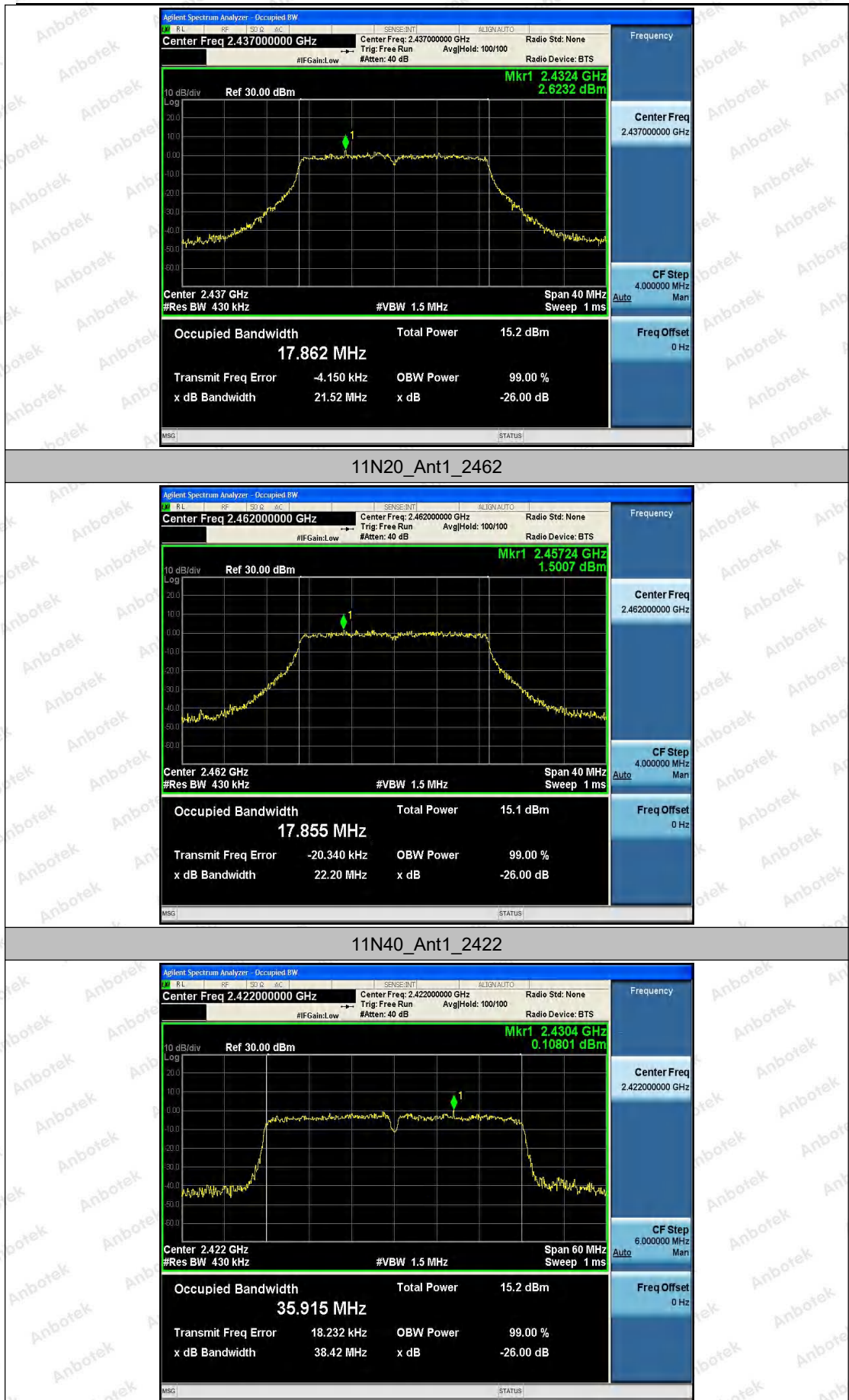


11N20_Ant1_2437

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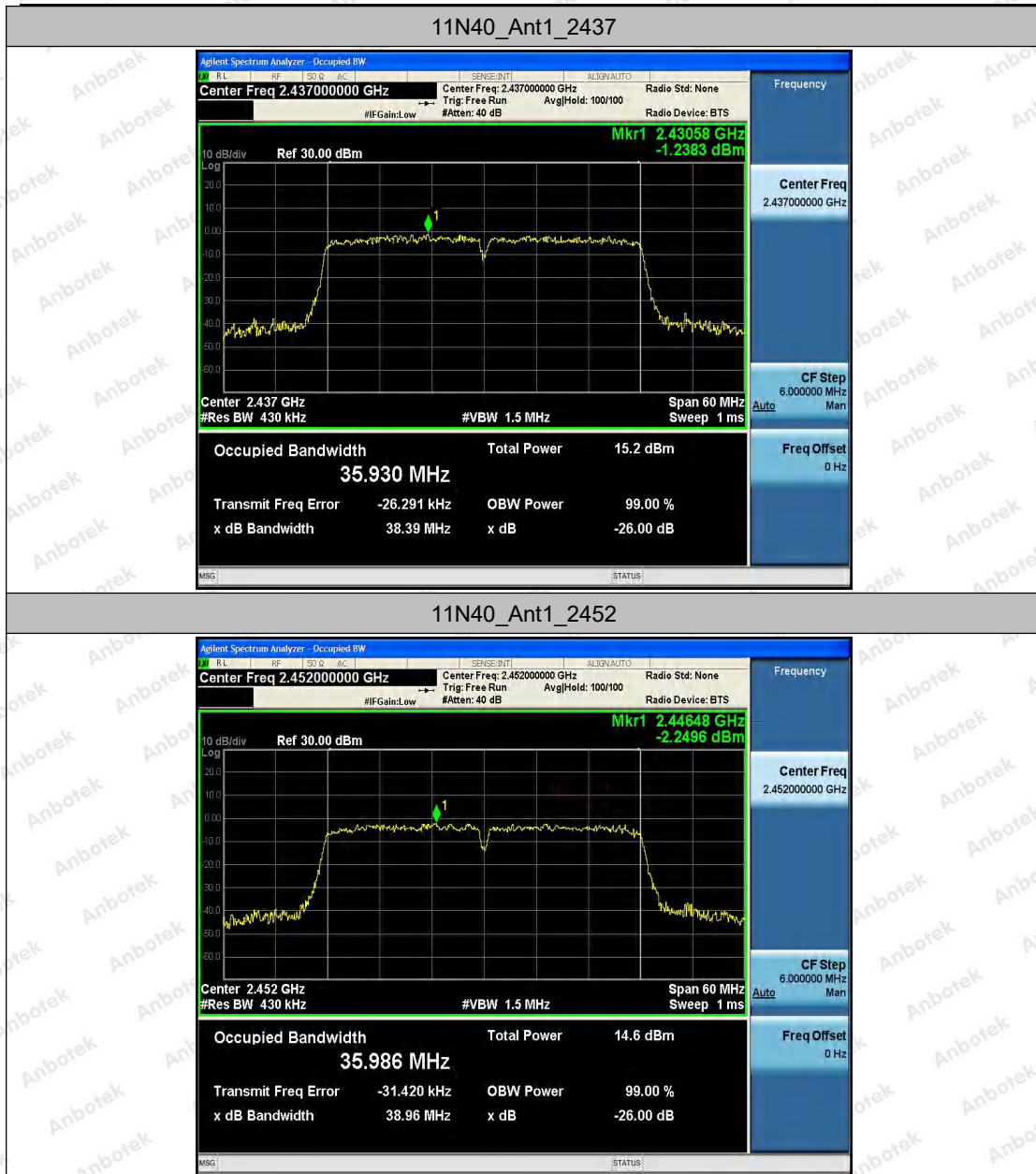


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Appendix C: Maximum conducted output power

Test Result

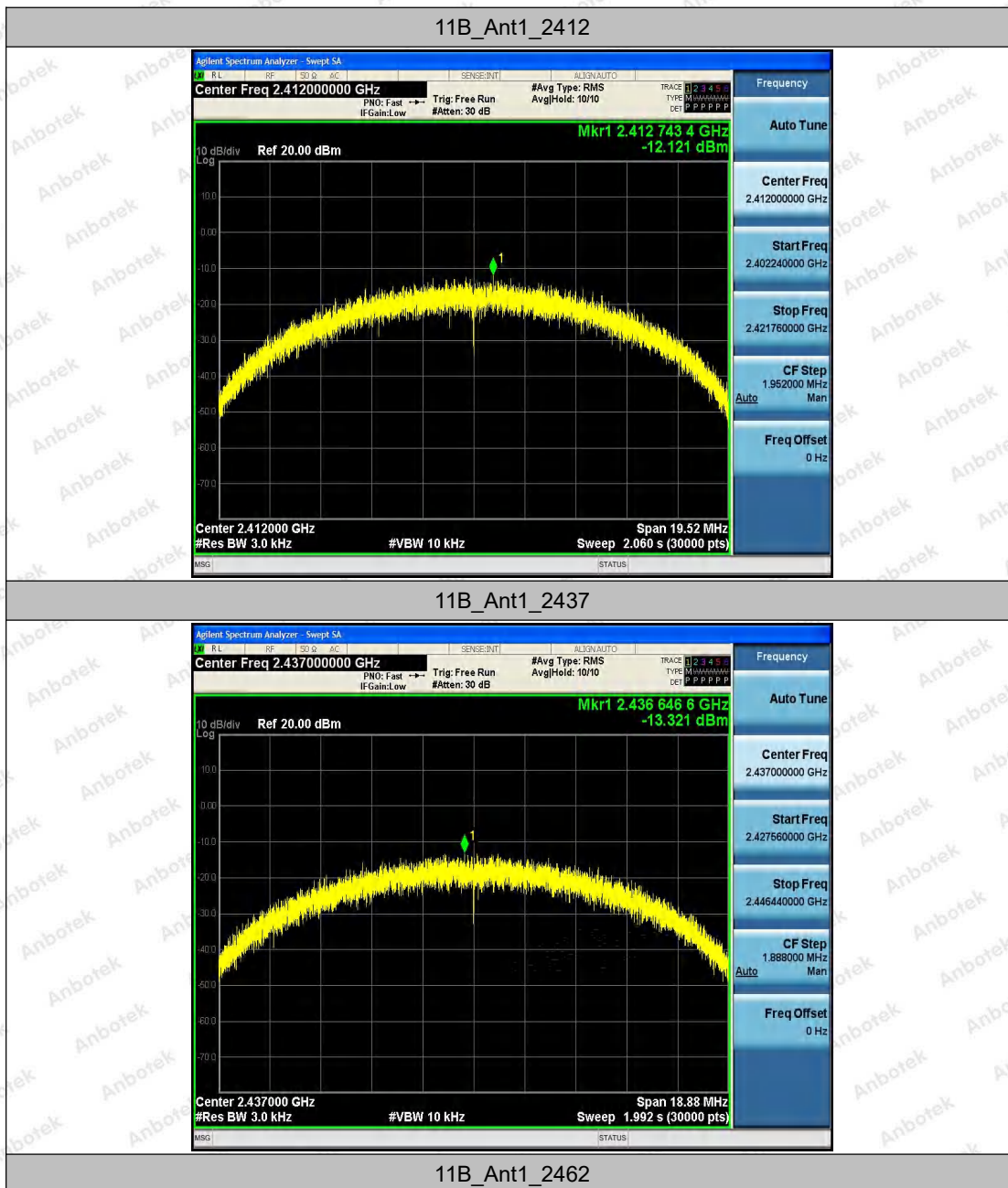
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.81	≤30	PASS
		2437	16.65	≤30	PASS
		2462	16.44	≤30	PASS
11G	Ant1	2412	15.93	≤30	PASS
		2437	15.92	≤30	PASS
		2462	16.05	≤30	PASS
11N20	Ant1	2412	16.13	≤30	PASS
		2437	16.05	≤30	PASS
		2462	15.92	≤30	PASS
11N40	Ant1	2422	13.81	≤30	PASS
		2437	13.67	≤30	PASS
		2452	12.92	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.12	≤8	PASS
		2437	-13.32	≤8	PASS
		2462	-13.36	≤8	PASS
11G	Ant1	2412	-17.3	≤8	PASS
		2437	-16.11	≤8	PASS
		2462	-17.34	≤8	PASS
11N20	Ant1	2412	-16.98	≤8	PASS
		2437	-16.02	≤8	PASS
		2462	-17.33	≤8	PASS
11N40	Ant1	2422	-20.49	≤8	PASS
		2437	-19.32	≤8	PASS
		2452	-18.61	≤8	PASS

Test Graphs



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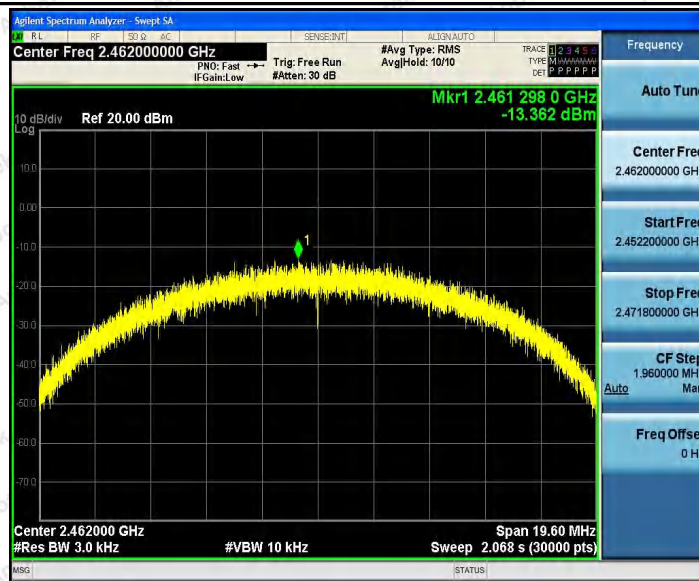
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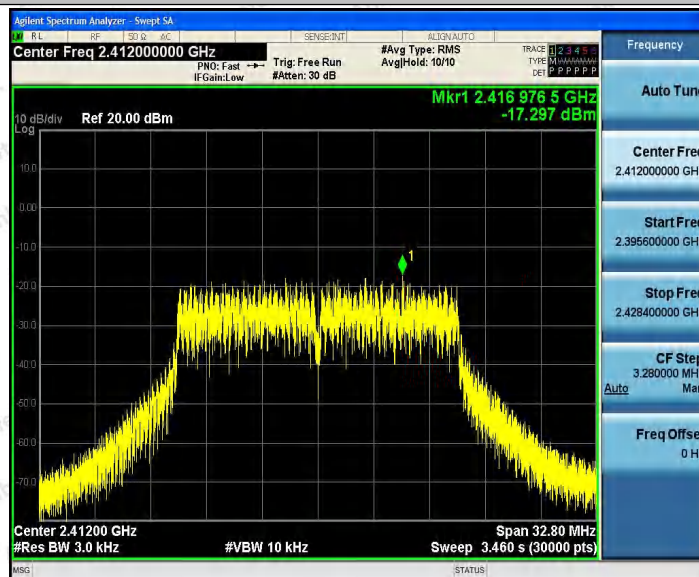


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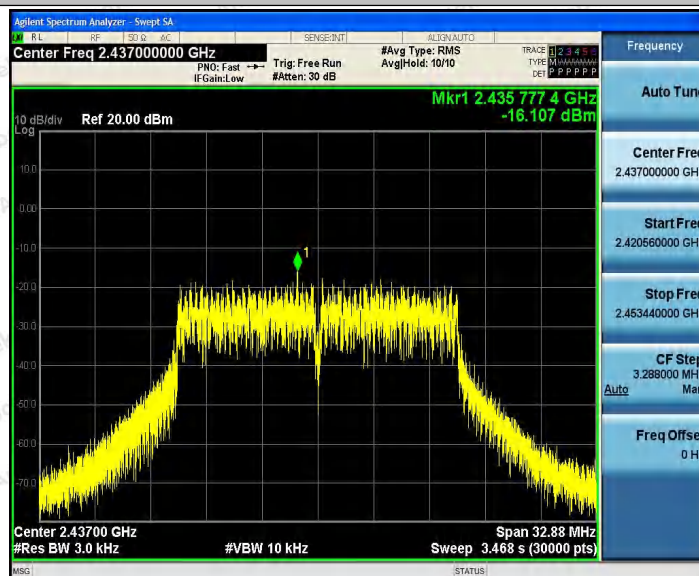
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11G_Ant1_2412



11G_Ant1_2437

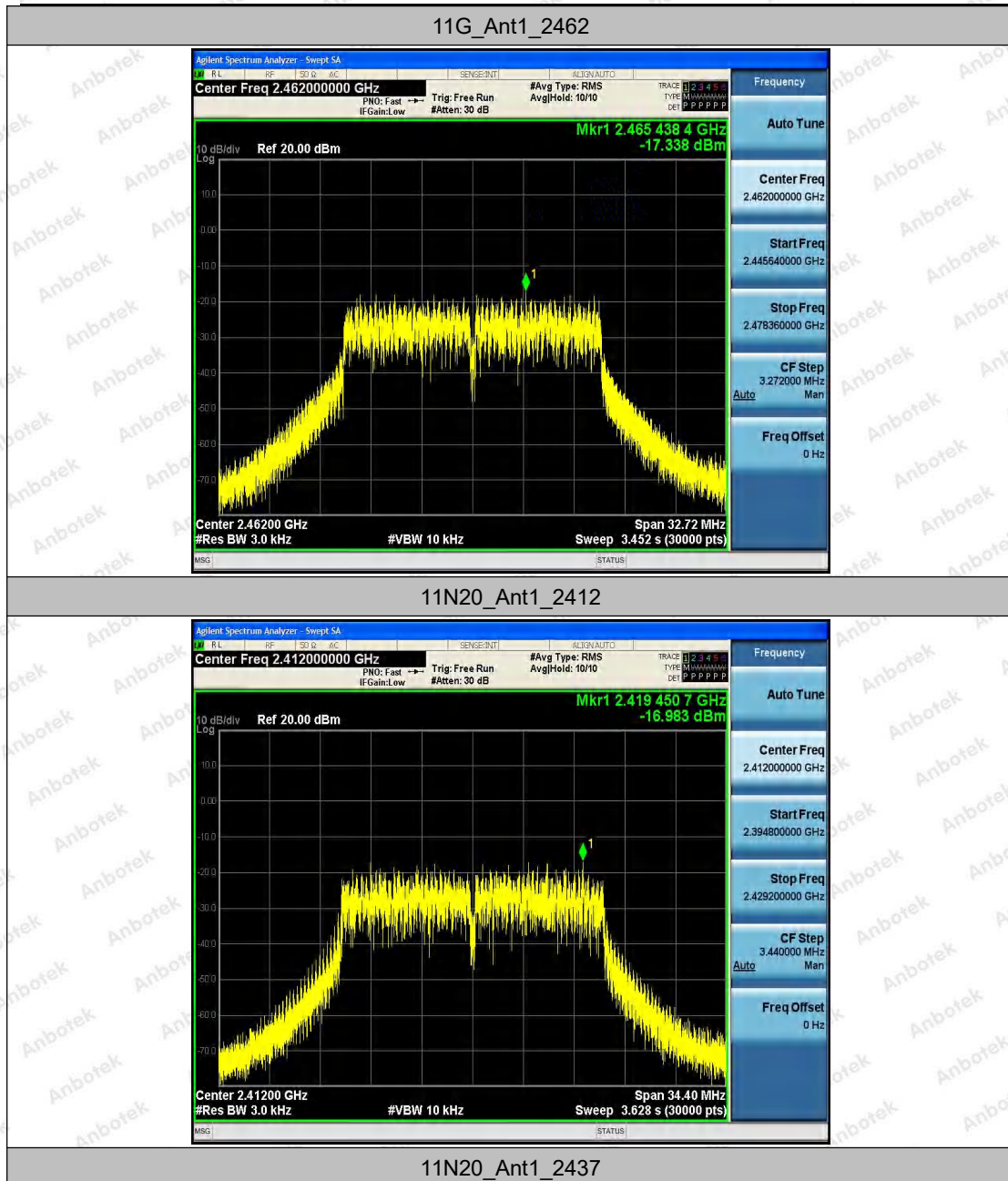
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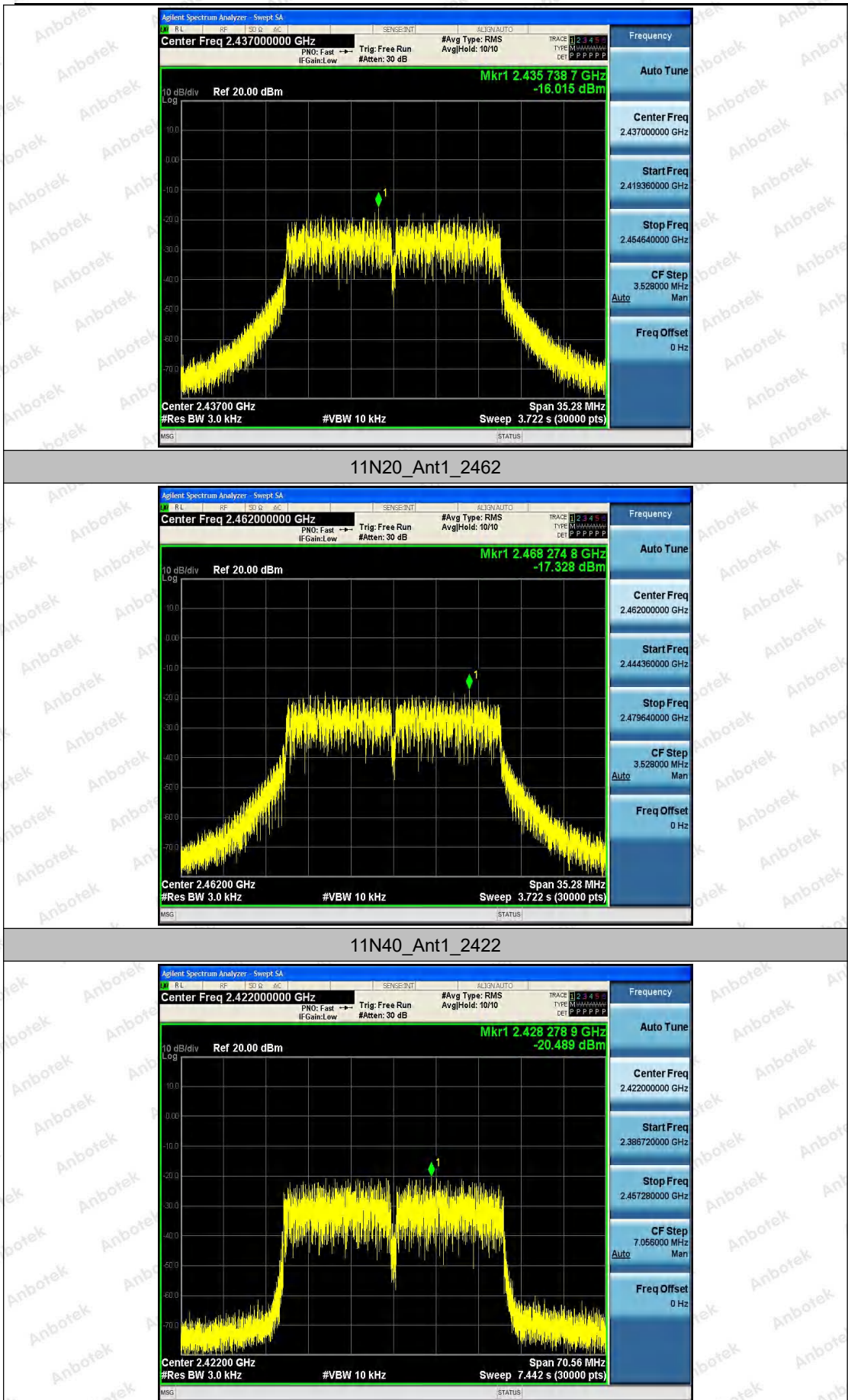
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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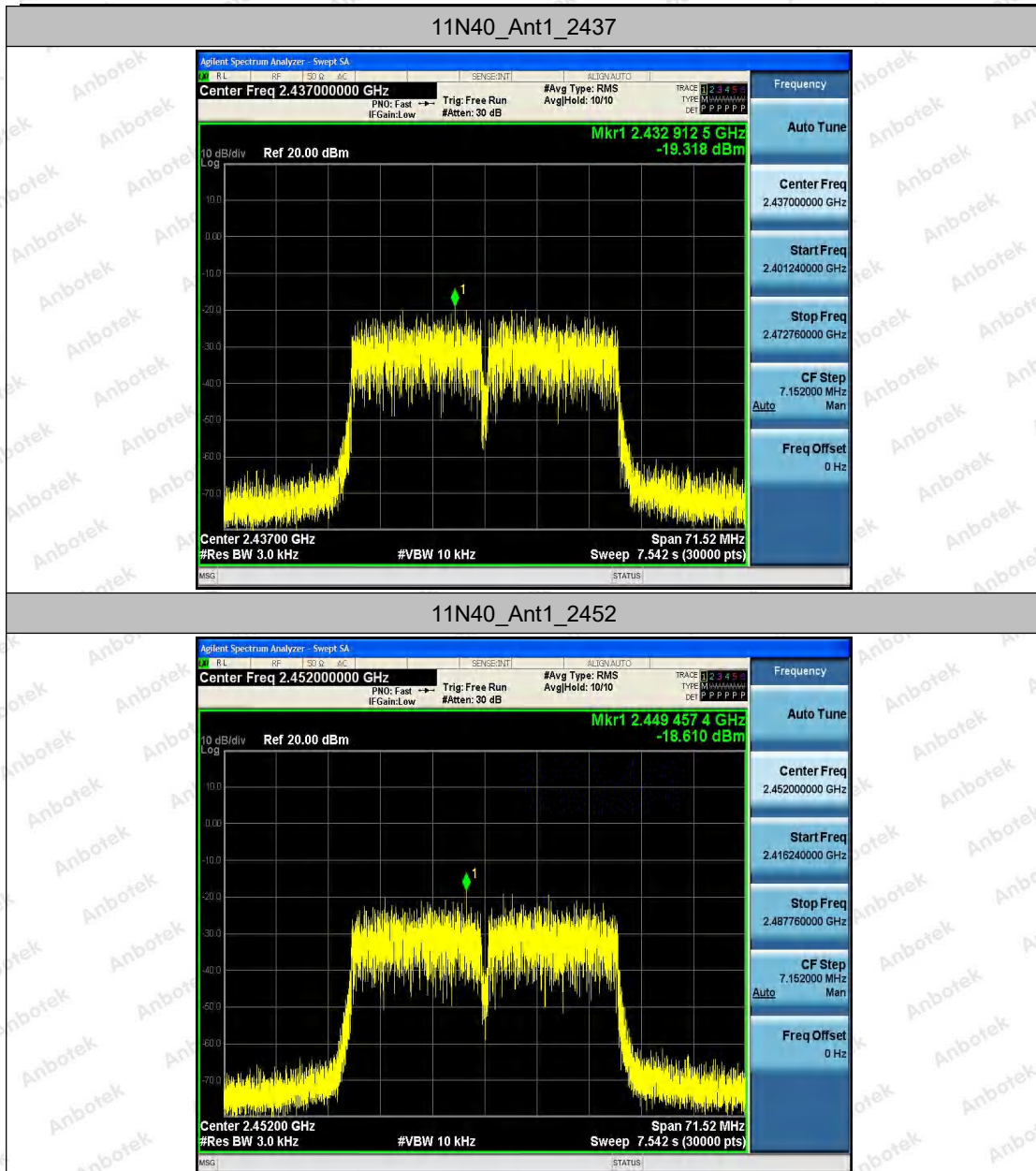




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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.49	-40.08	≤-18.51	PASS
		High	2462	1.69	-56.58	≤-18.31	PASS
11G	Ant1	Low	2412	-2.03	-39.9	≤-22.03	PASS
		High	2462	-2.10	-55.24	≤-22.1	PASS
11N20	Ant1	Low	2412	-1.99	-36.51	≤-21.99	PASS
		High	2462	-2.22	-55.37	≤-22.22	PASS
11N40	Ant1	Low	2422	-4.96	-46.23	≤-24.96	PASS
		High	2452	-5.48	-45	≤-25.48	PASS

Test Graphs



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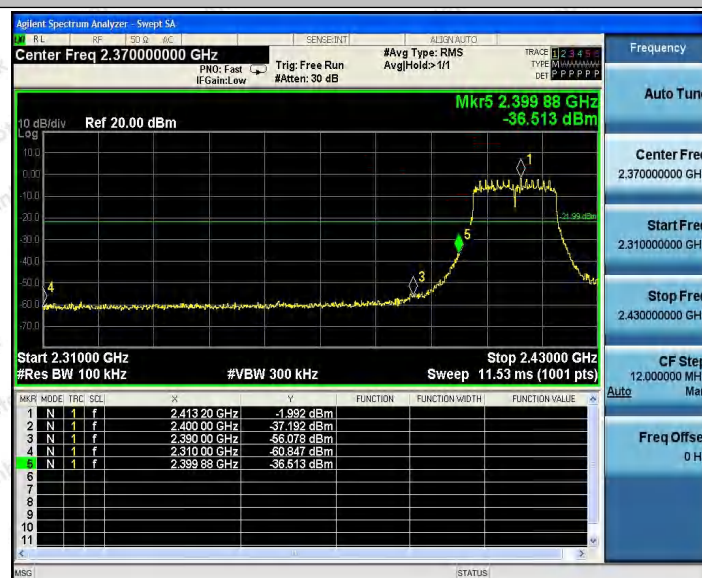
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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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11N20_Ant1_High_2462



11N40_Ant1_Low_2422

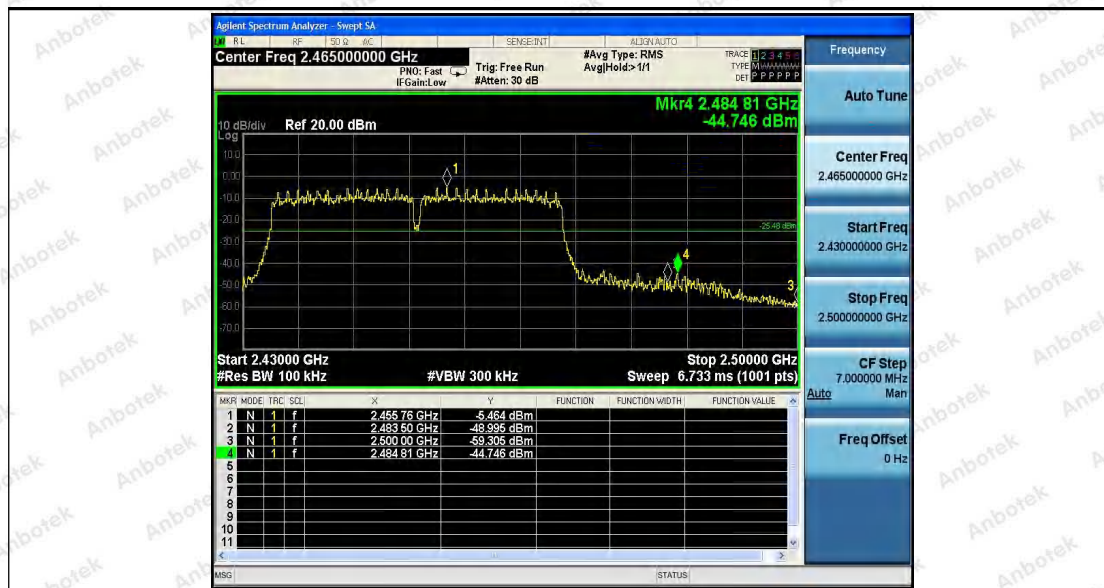


11N40_Ant1_High_2452

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Appendix F: Conducted Spurious Emission

Test Result

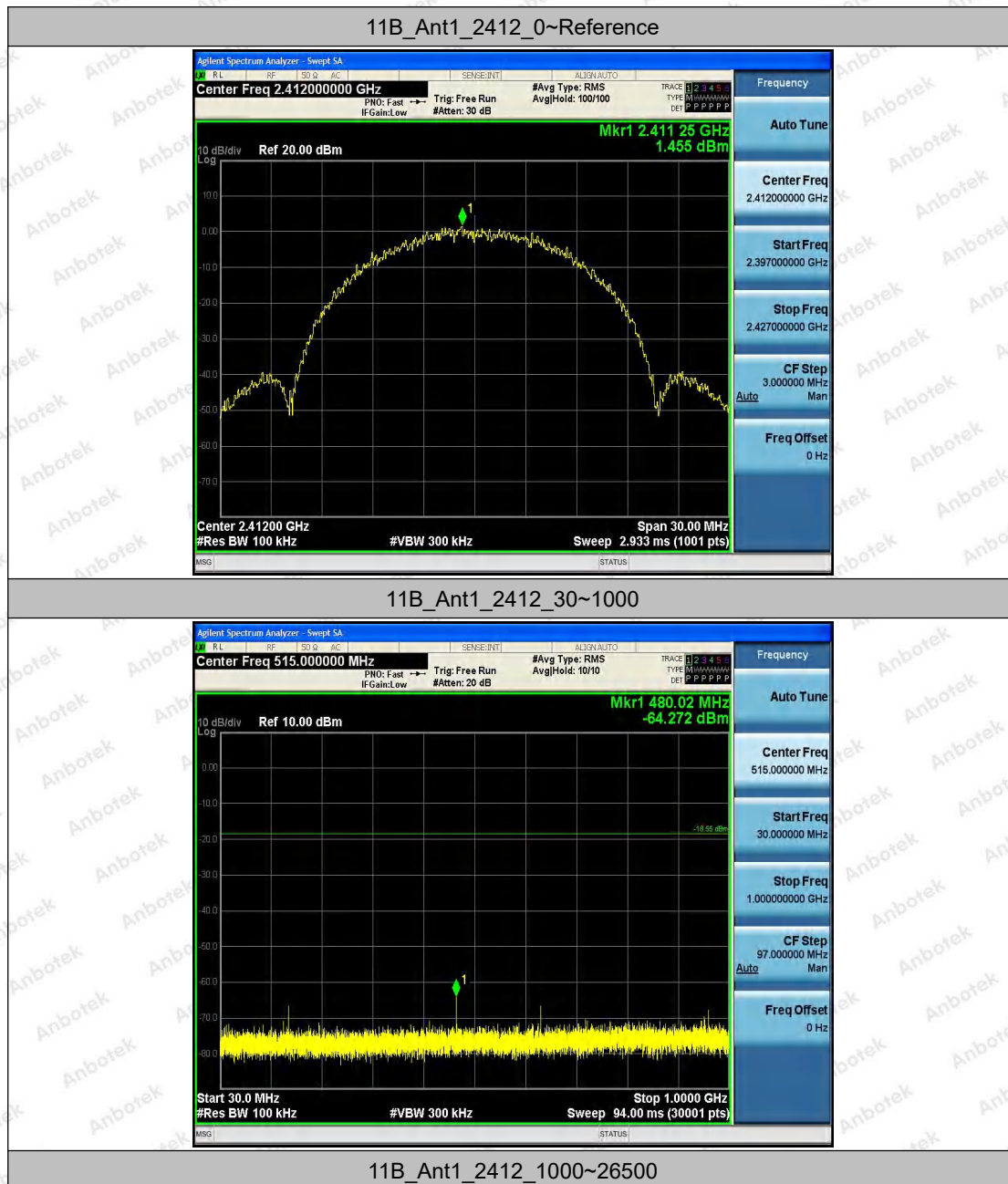
Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-64.27	≤-18.55	PASS
			1000~26500	1.46	-55.16	≤-18.55	PASS
		2437	Reference	1.12	1.12	---	PASS
			30~1000	1.12	-64.84	≤-18.88	PASS
			1000~26500	1.12	-54.43	≤-18.88	PASS
		2462	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-66.05	≤-18.04	PASS
			1000~26500	1.96	-54.61	≤-18.04	PASS
11G	Ant1	2412	Reference	-2.55	-2.55	---	PASS
			30~1000	-2.55	-64.9	≤-22.55	PASS
			1000~26500	-2.55	-55.44	≤-22.55	PASS
		2437	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-65.13	≤-22.34	PASS
			1000~26500	-2.34	-54.8	≤-22.34	PASS
		2462	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-64.69	≤-22.34	PASS
			1000~26500	-2.34	-55.26	≤-22.34	PASS
11N20	Ant1	2412	Reference	-2.50	-2.50	---	PASS
			30~1000	-2.50	-64.86	≤-22.5	PASS
			1000~26500	-2.50	-55.25	≤-22.5	PASS
		2437	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-65	≤-22.14	PASS
			1000~26500	-2.14	-55.05	≤-22.14	PASS
		2462	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-65.16	≤-22.11	PASS
			1000~26500	-2.11	-55.17	≤-22.11	PASS
11N40	Ant1	2422	Reference	-4.92	-4.92	---	PASS
			30~1000	-4.92	-64.46	≤-24.92	PASS
			1000~26500	-4.92	-55.59	≤-24.92	PASS
		2437	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-65.36	≤-25.45	PASS
			1000~26500	-5.45	-55.18	≤-25.45	PASS
		2452	Reference	-5.39	-5.39	---	PASS
			30~1000	-5.39	-65.69	≤-25.39	PASS
			1000~26500	-5.39	-55.17	≤-25.39	PASS

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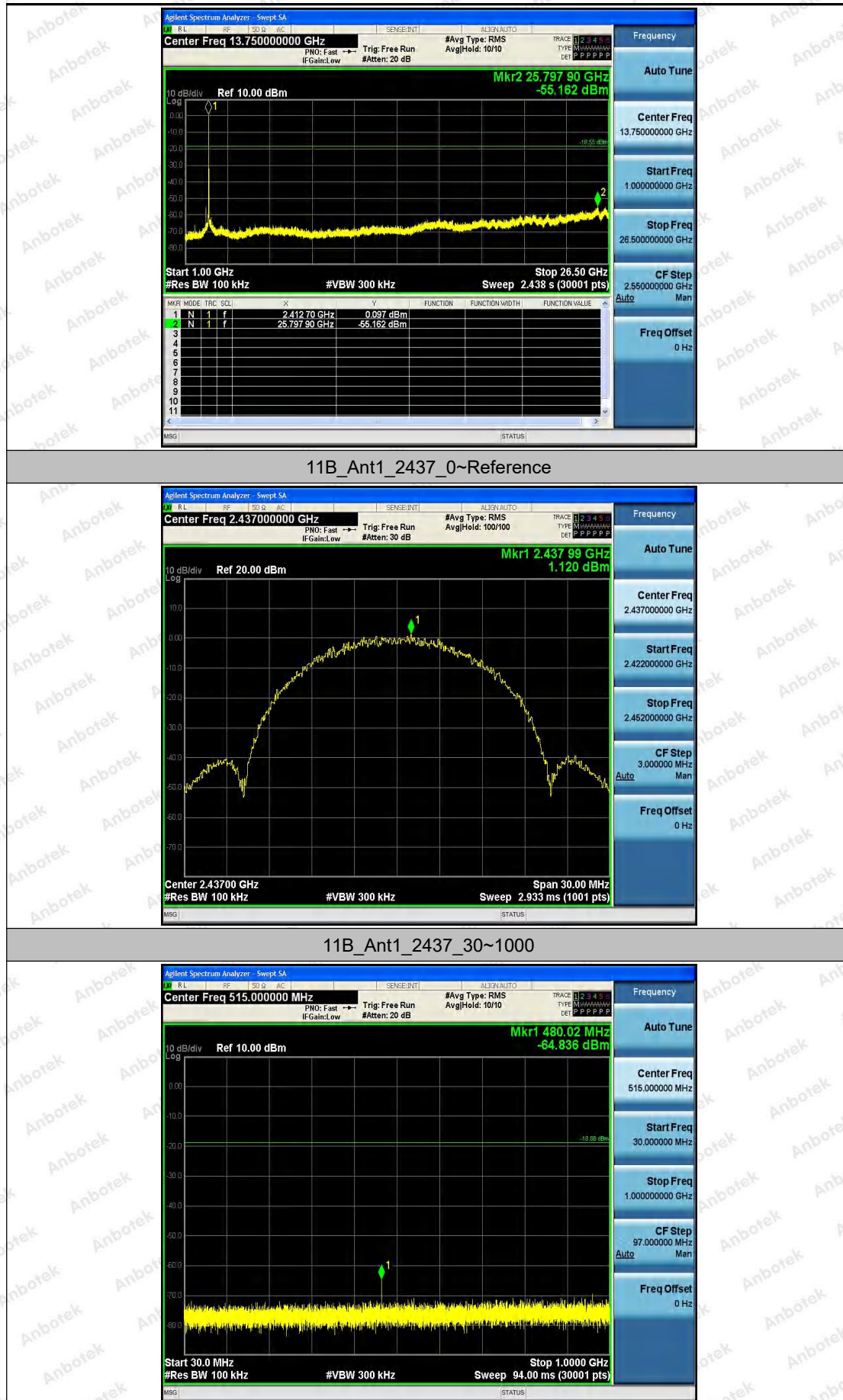
Test Graphs



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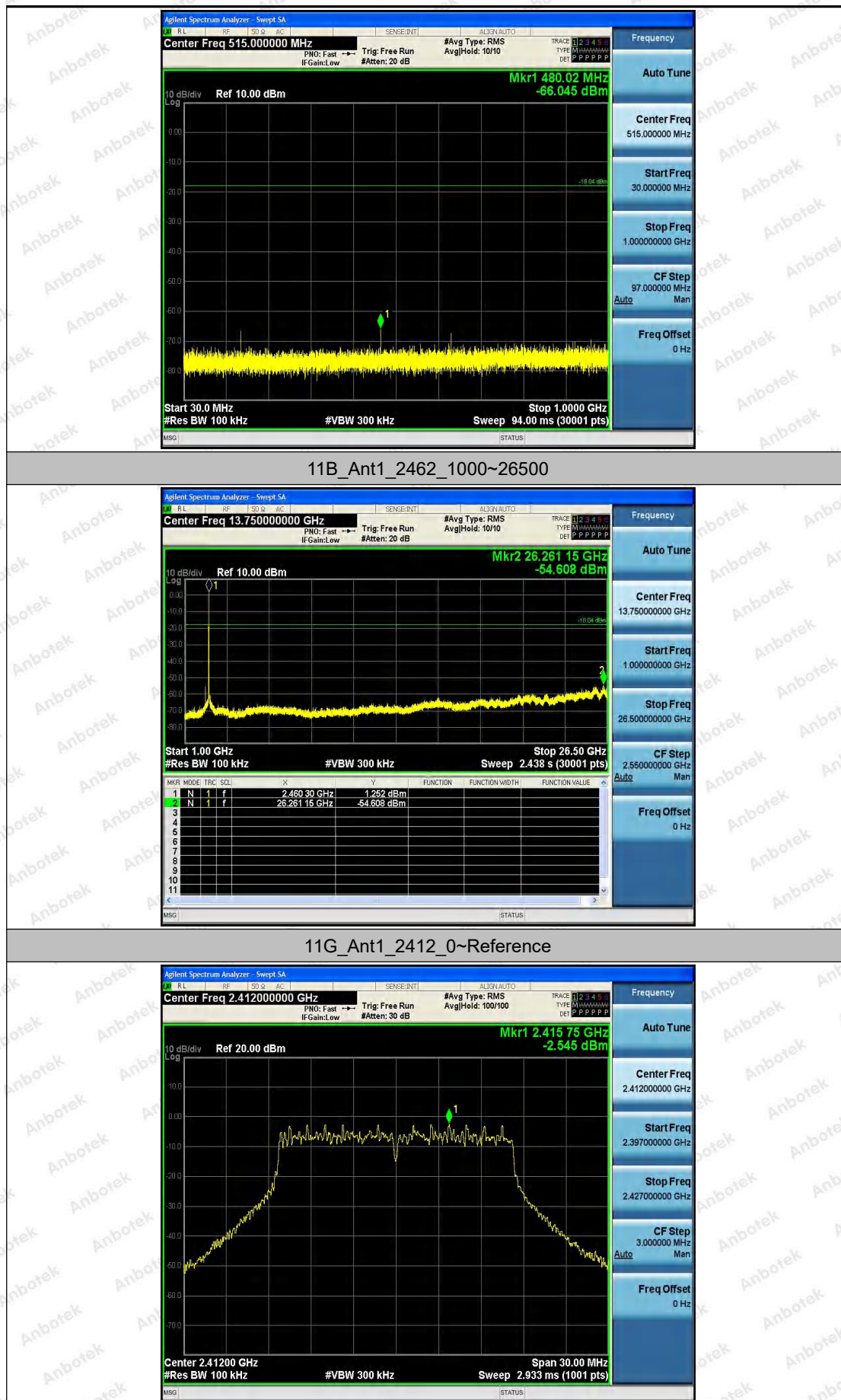
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



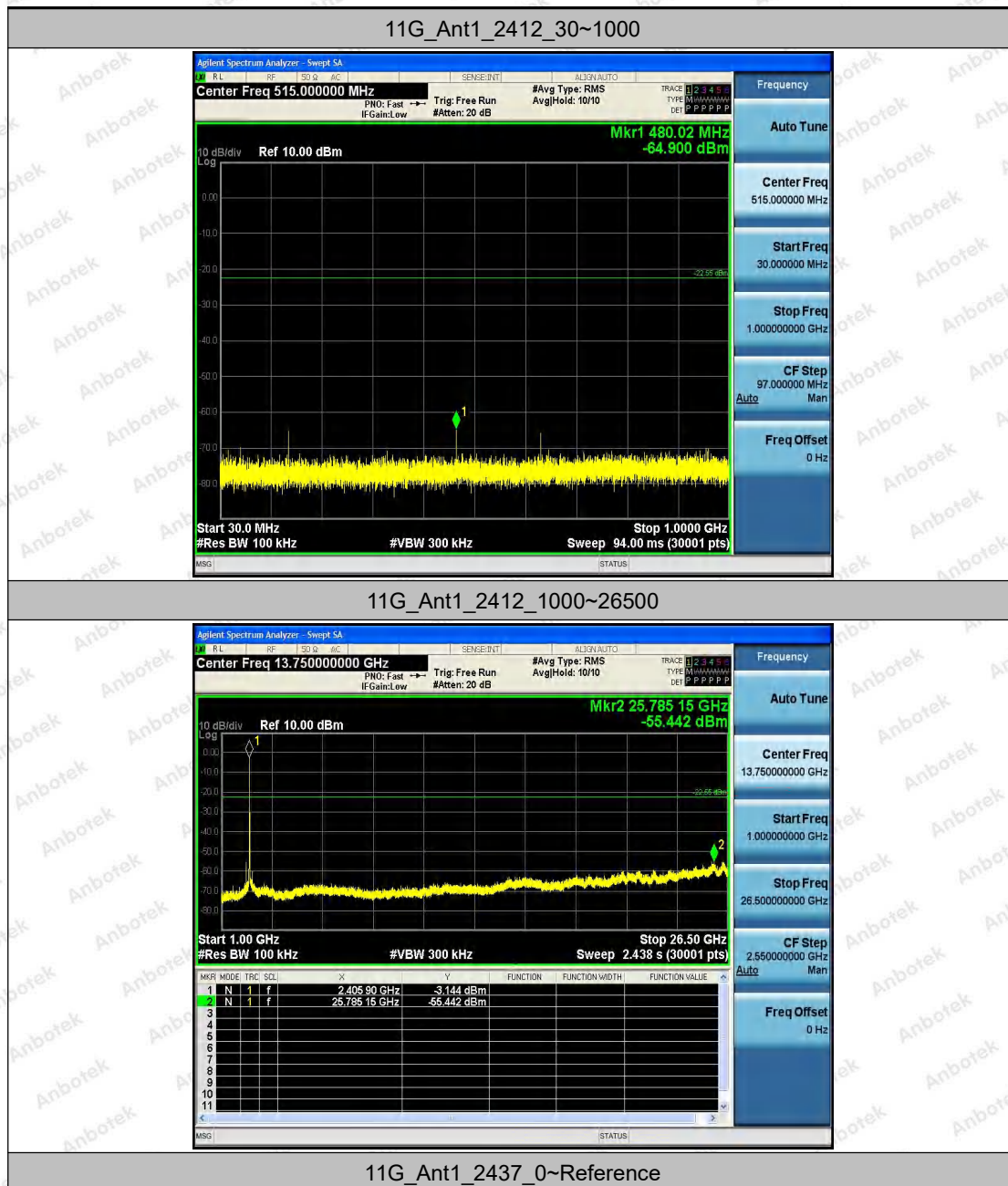
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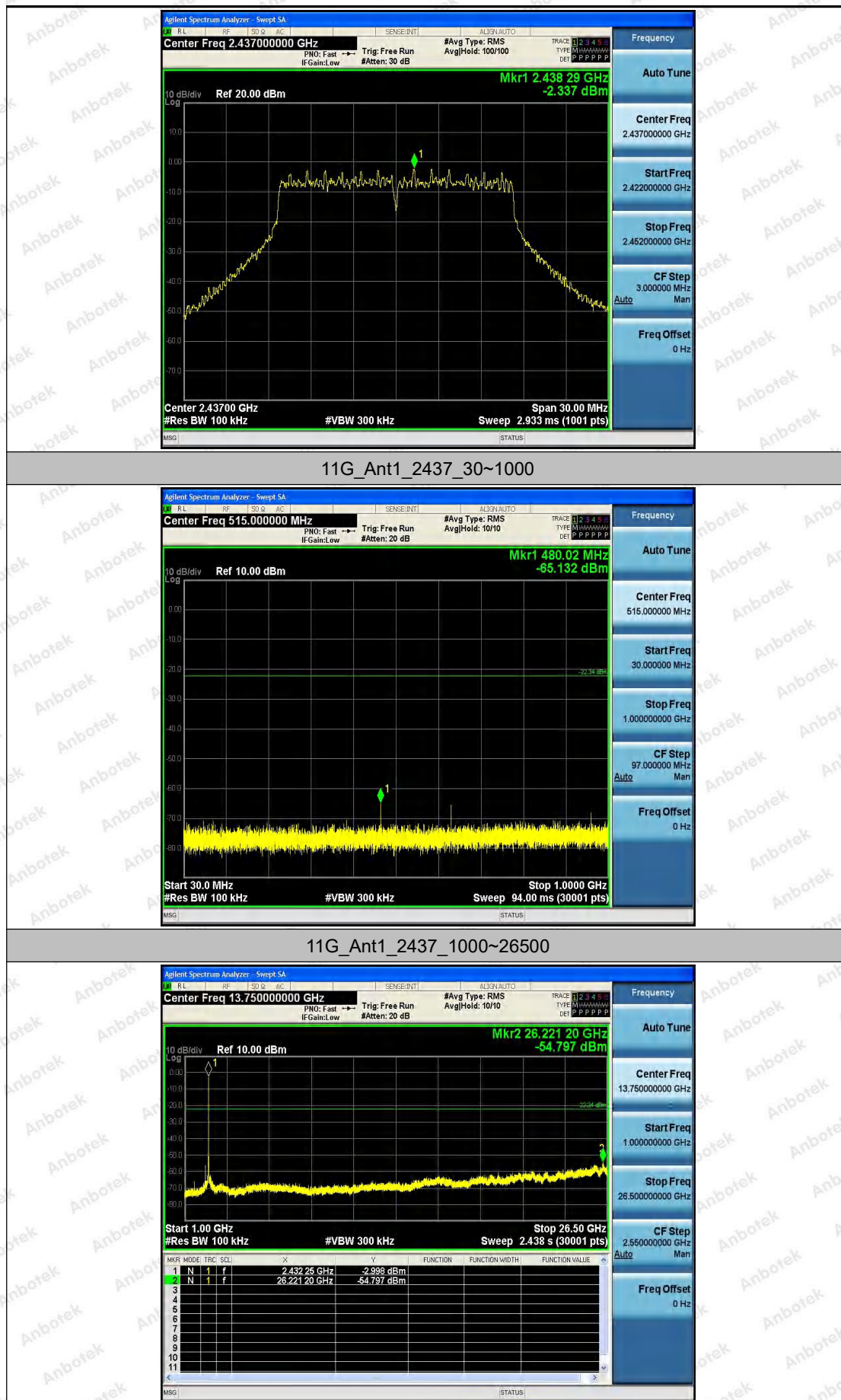


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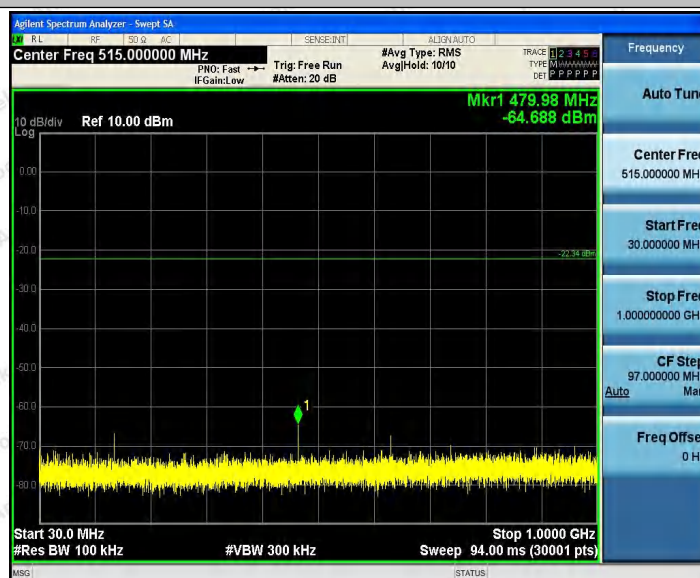
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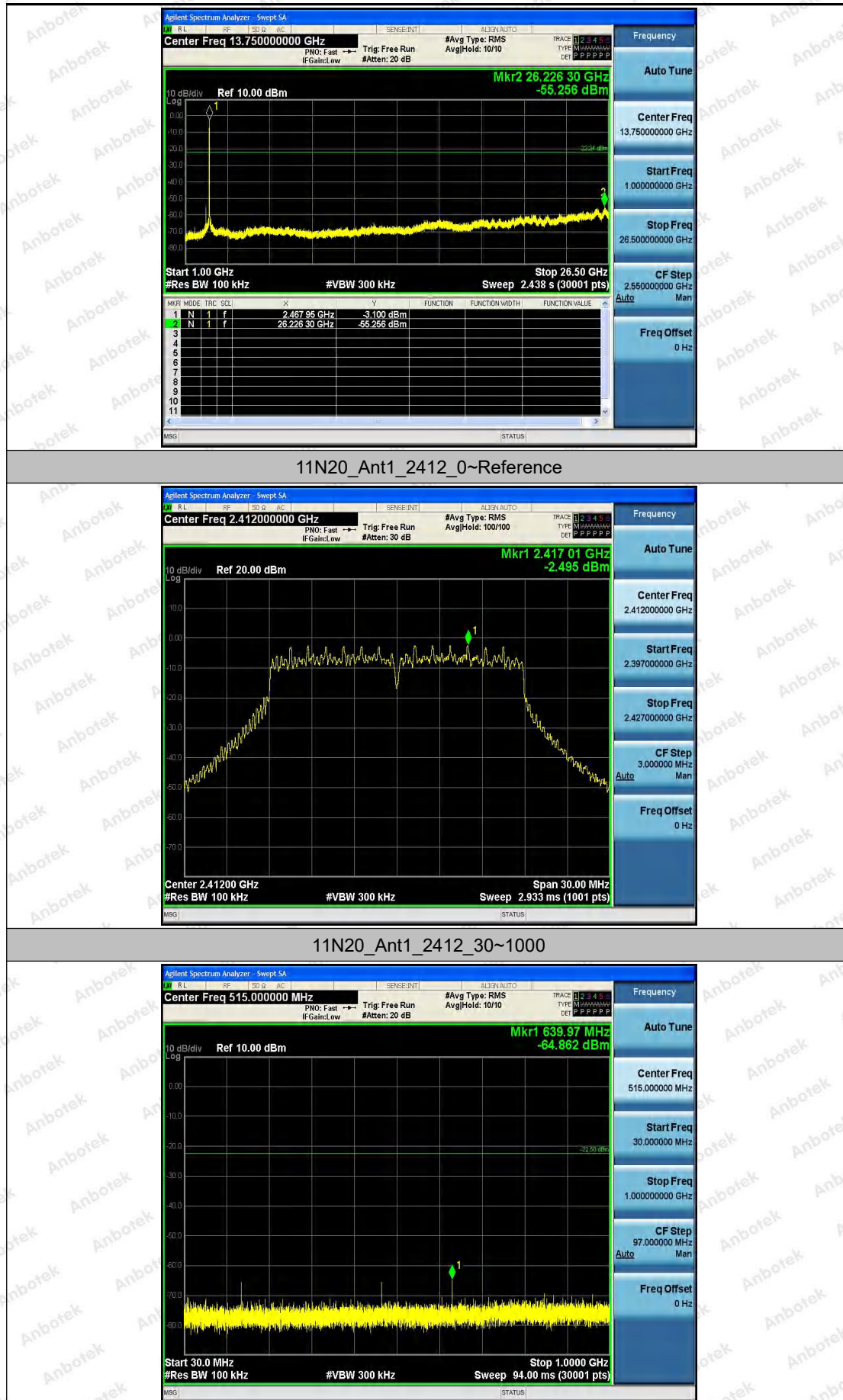
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11G_Ant1_2462_30~1000



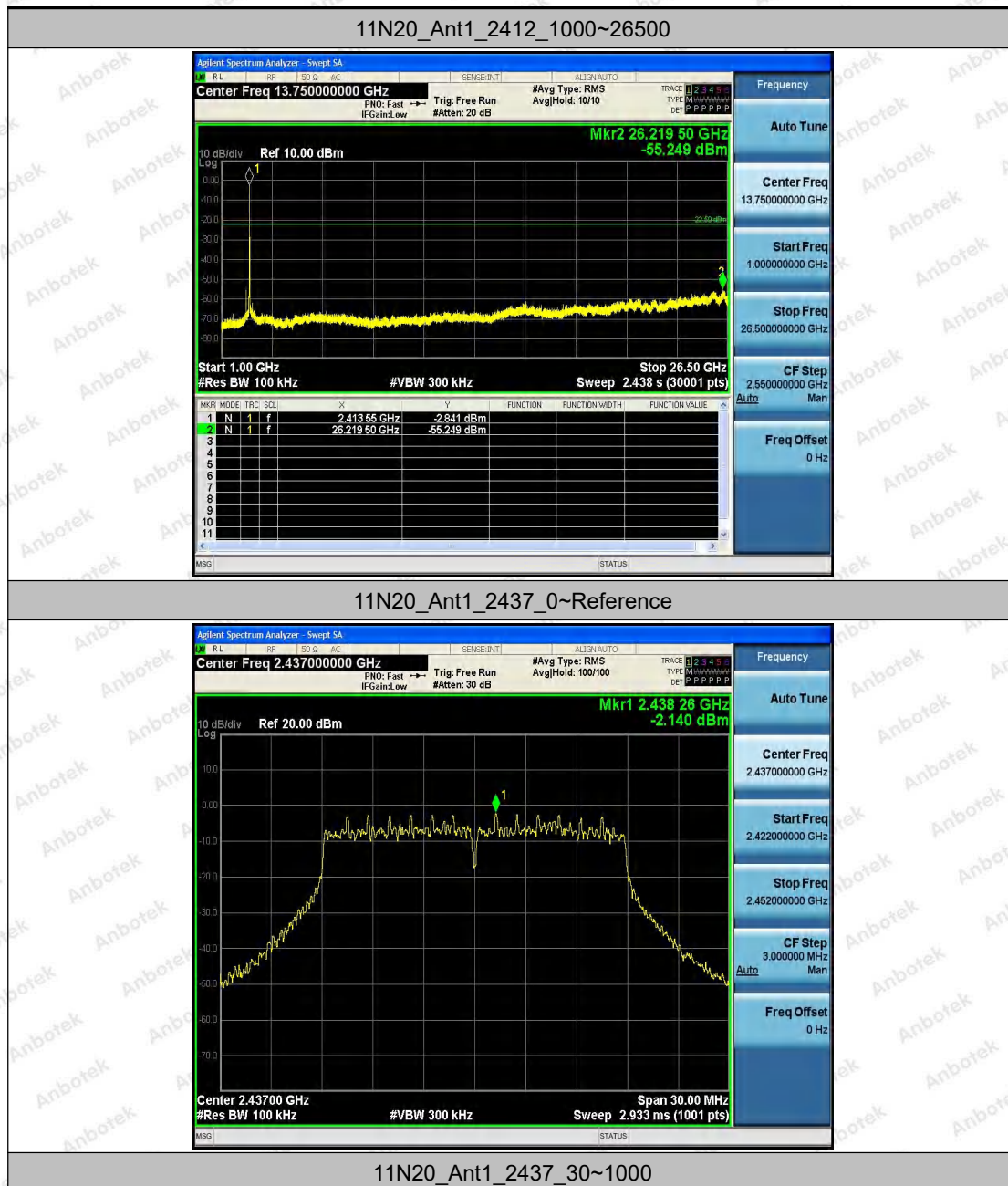
11G	Ant1	2462	1000~26500
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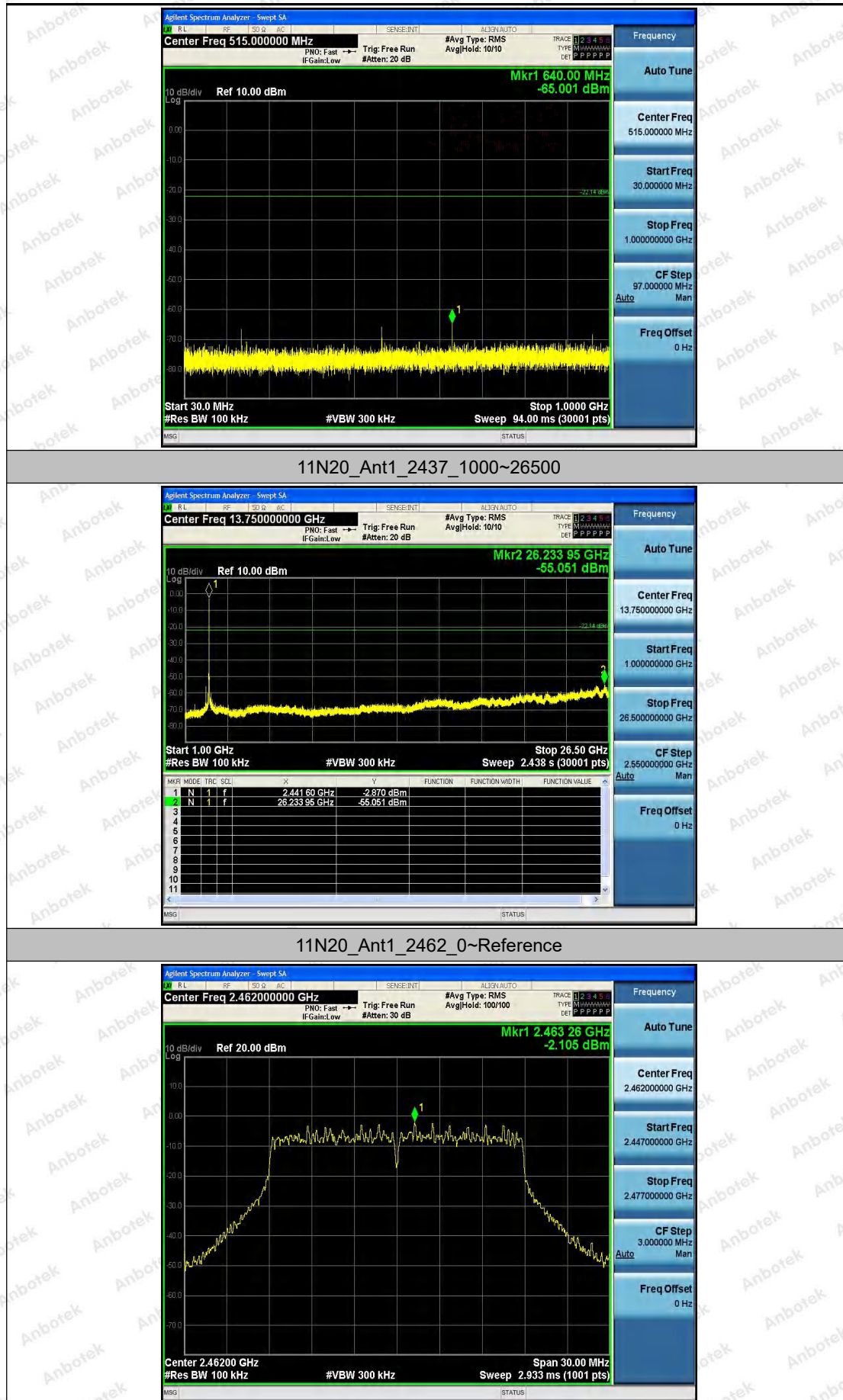


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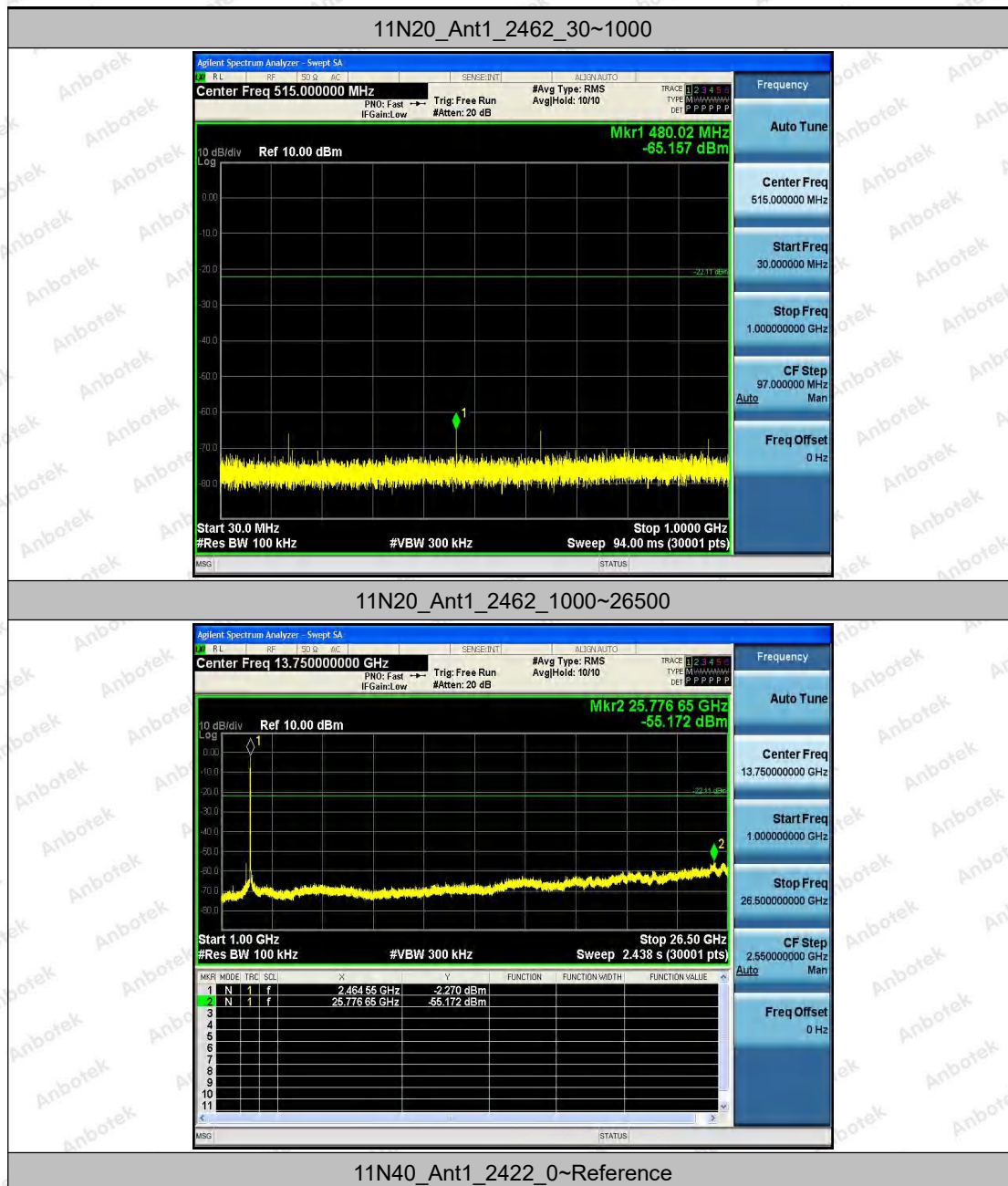
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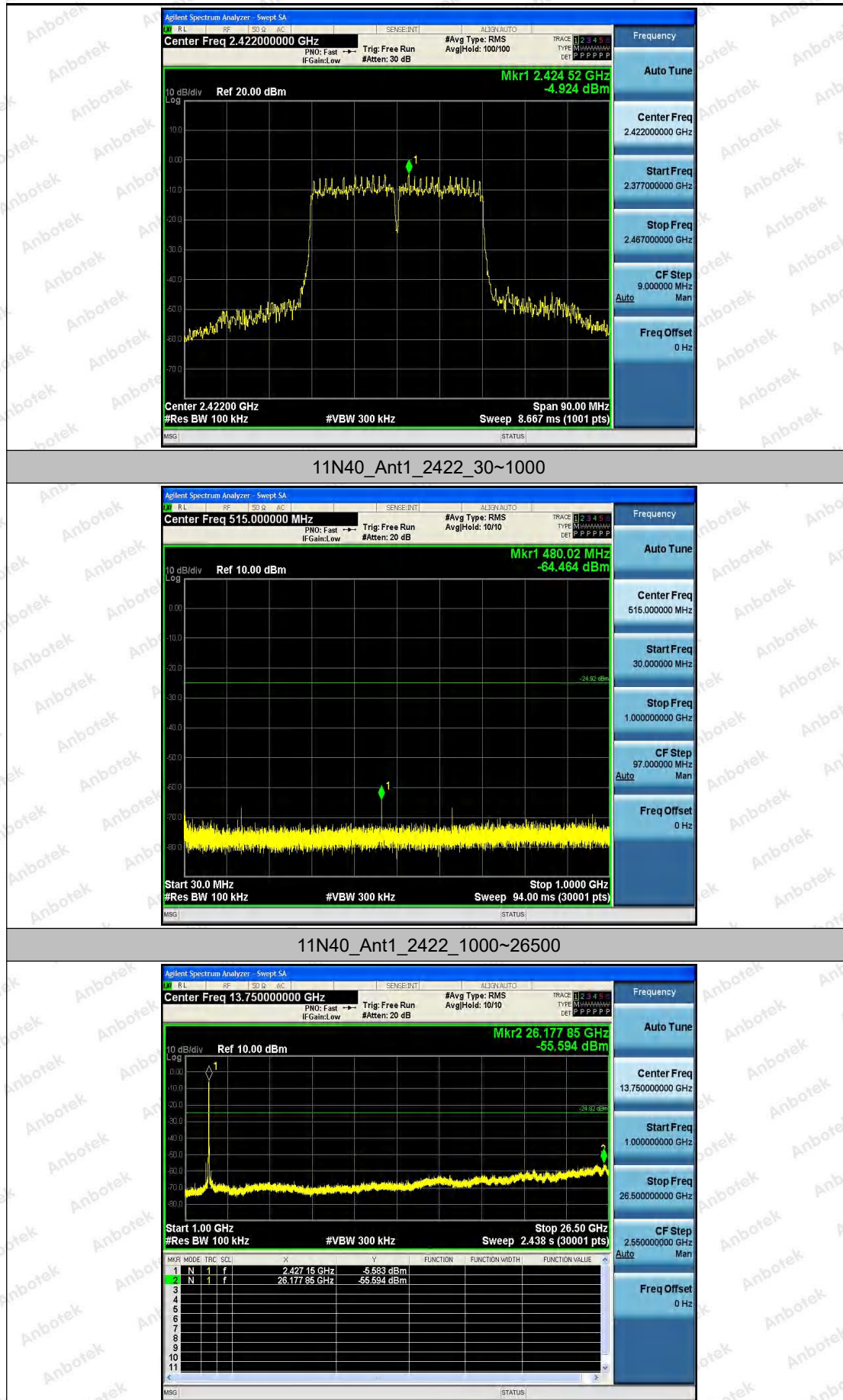
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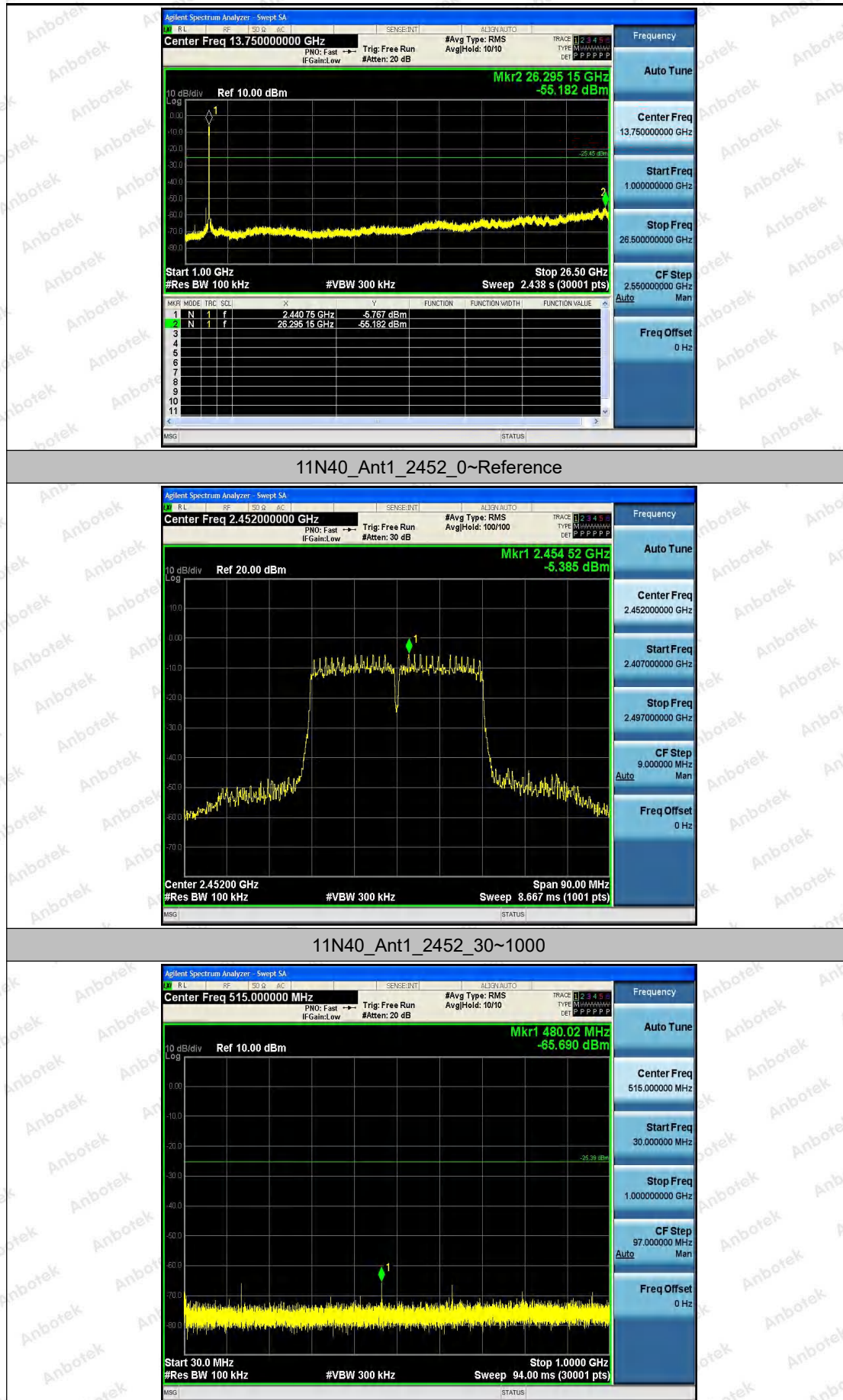
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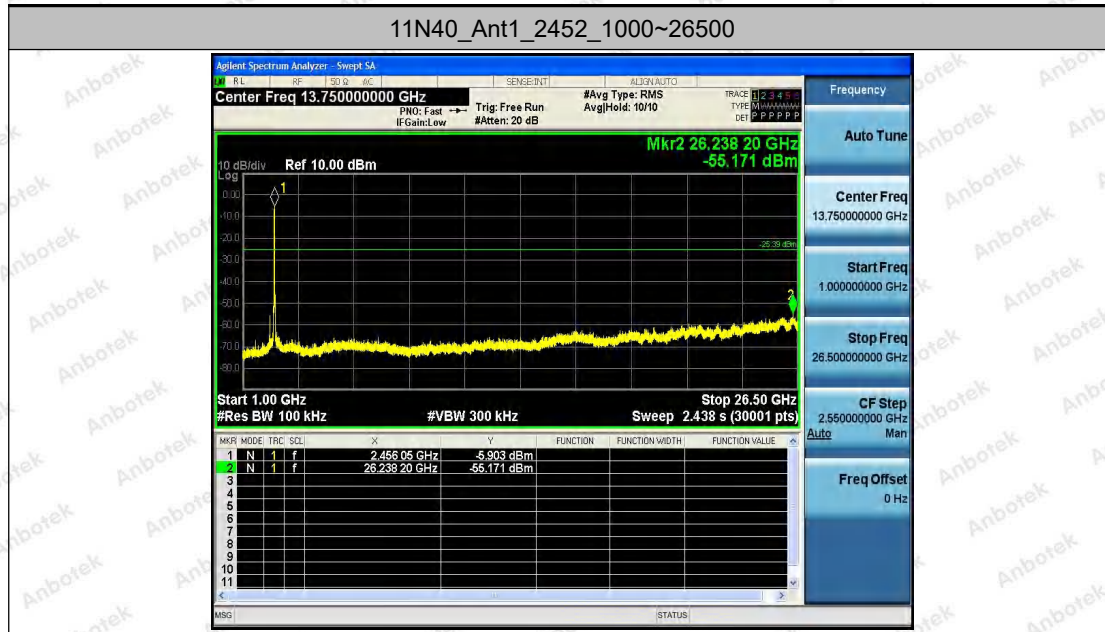
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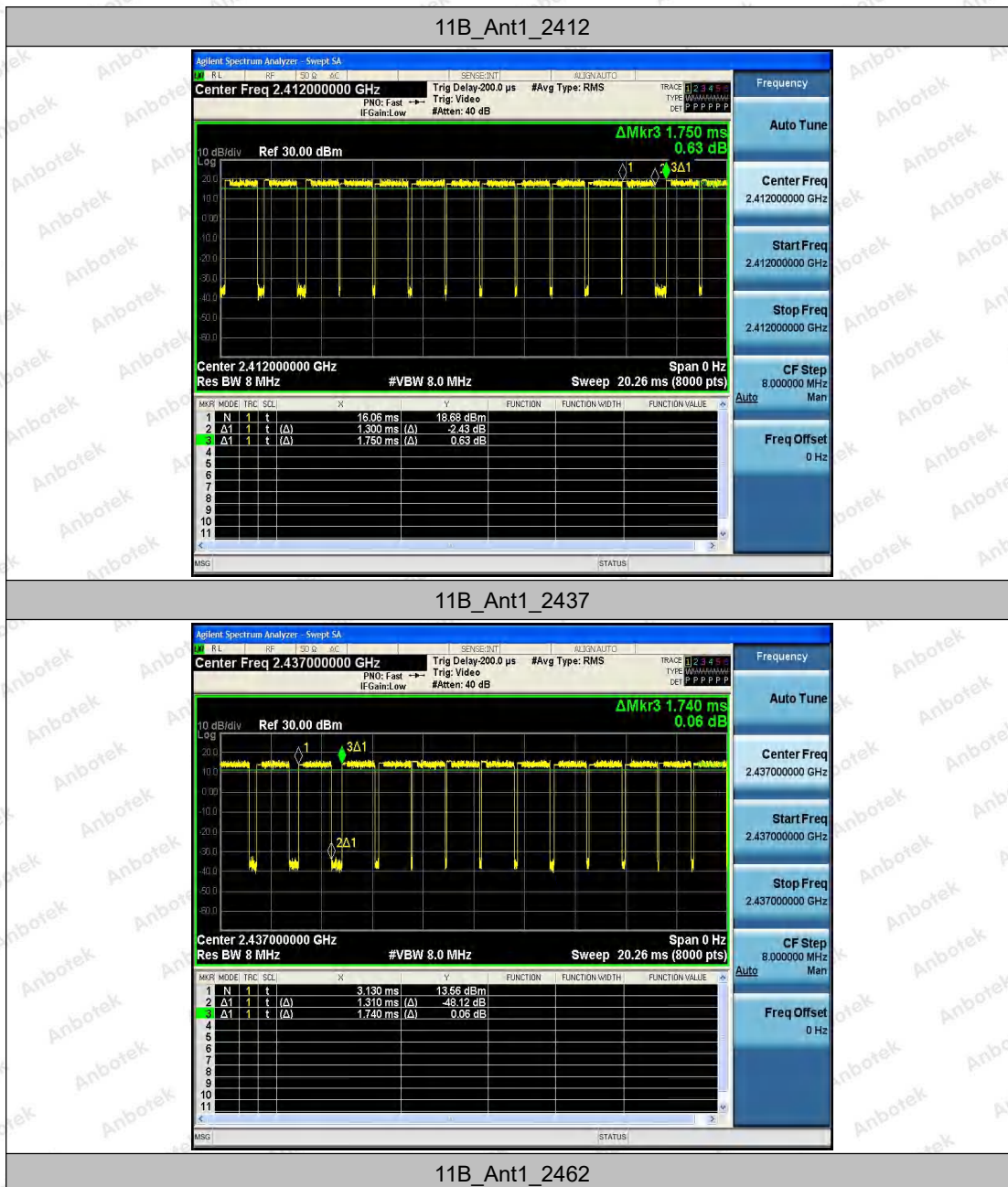
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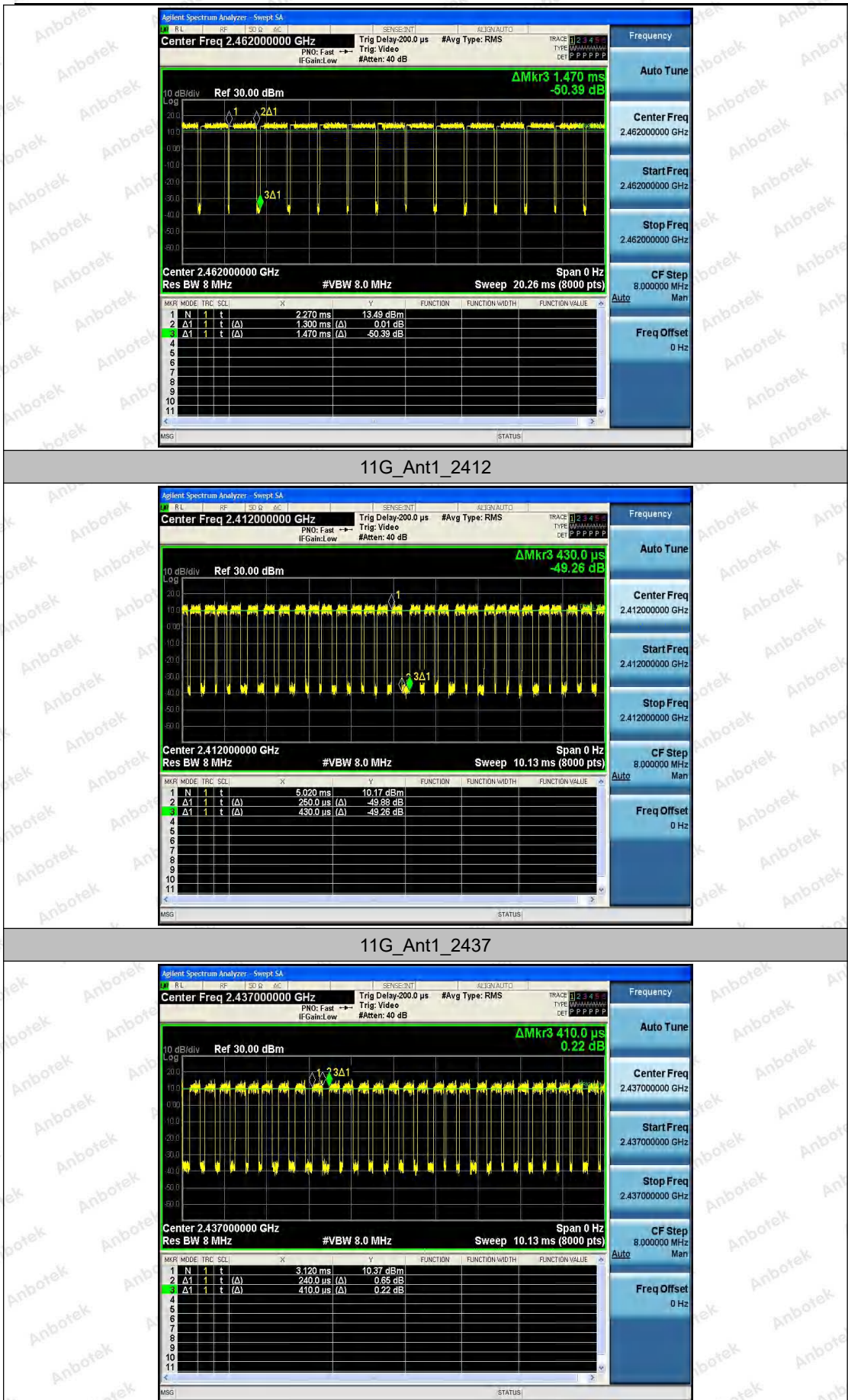
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	1.30	1.75	74.29	---	PASS
		2437	1.31	1.74	75.29	---	PASS
		2462	1.30	1.47	88.44	---	PASS
11G	Ant1	2412	0.25	0.43	58.14	---	PASS
		2437	0.24	0.41	58.54	---	PASS
		2462	0.25	0.42	59.52	---	PASS
11N20	Ant1	2412	0.23	0.39	58.97	---	PASS
		2437	0.23	0.39	58.97	---	PASS
		2462	0.23	0.39	58.97	---	PASS
11N40	Ant1	2422	0.13	0.30	43.33	---	PASS
		2437	0.13	0.30	43.33	---	PASS
		2452	0.13	0.30	43.33	---	PASS

Test Graphs



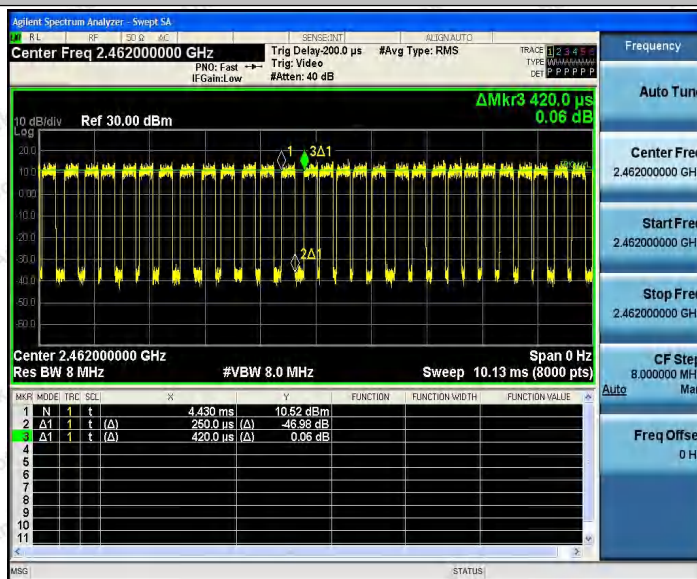


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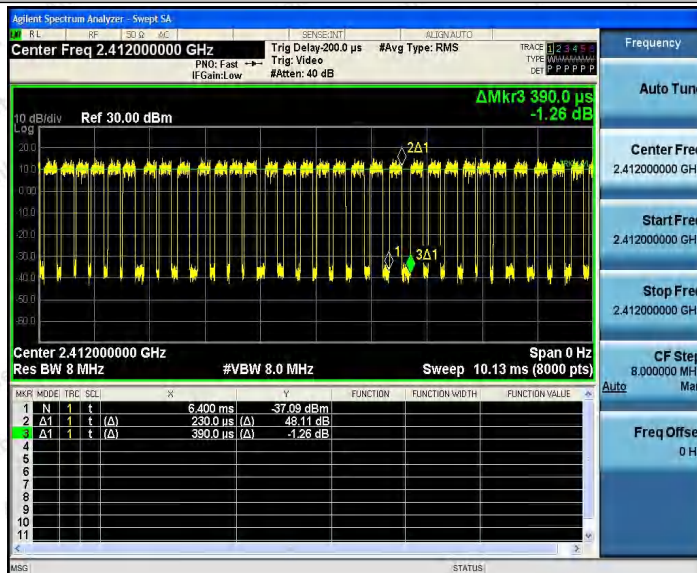
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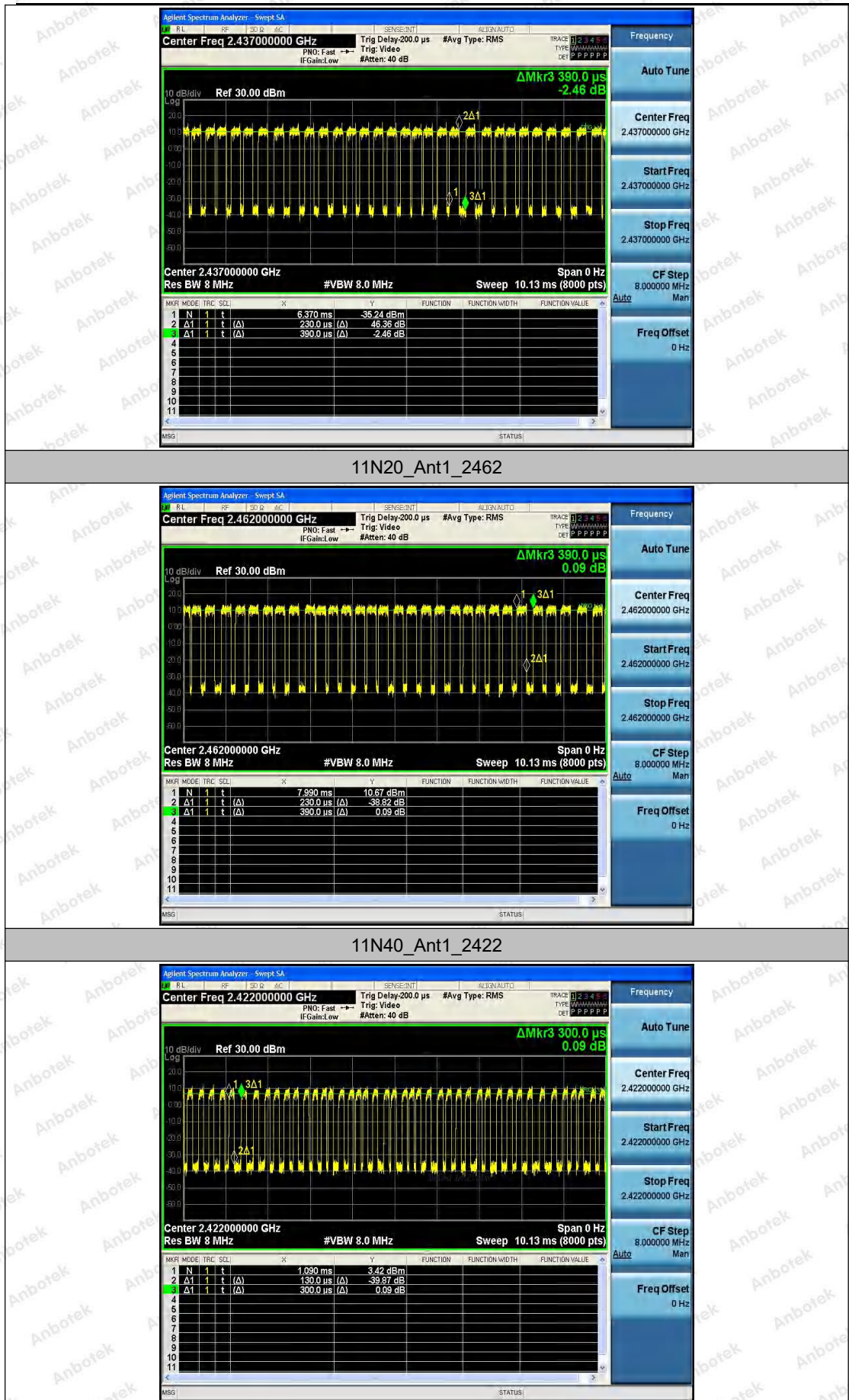
11G_Ant1_2462



11N20_Ant1_2412



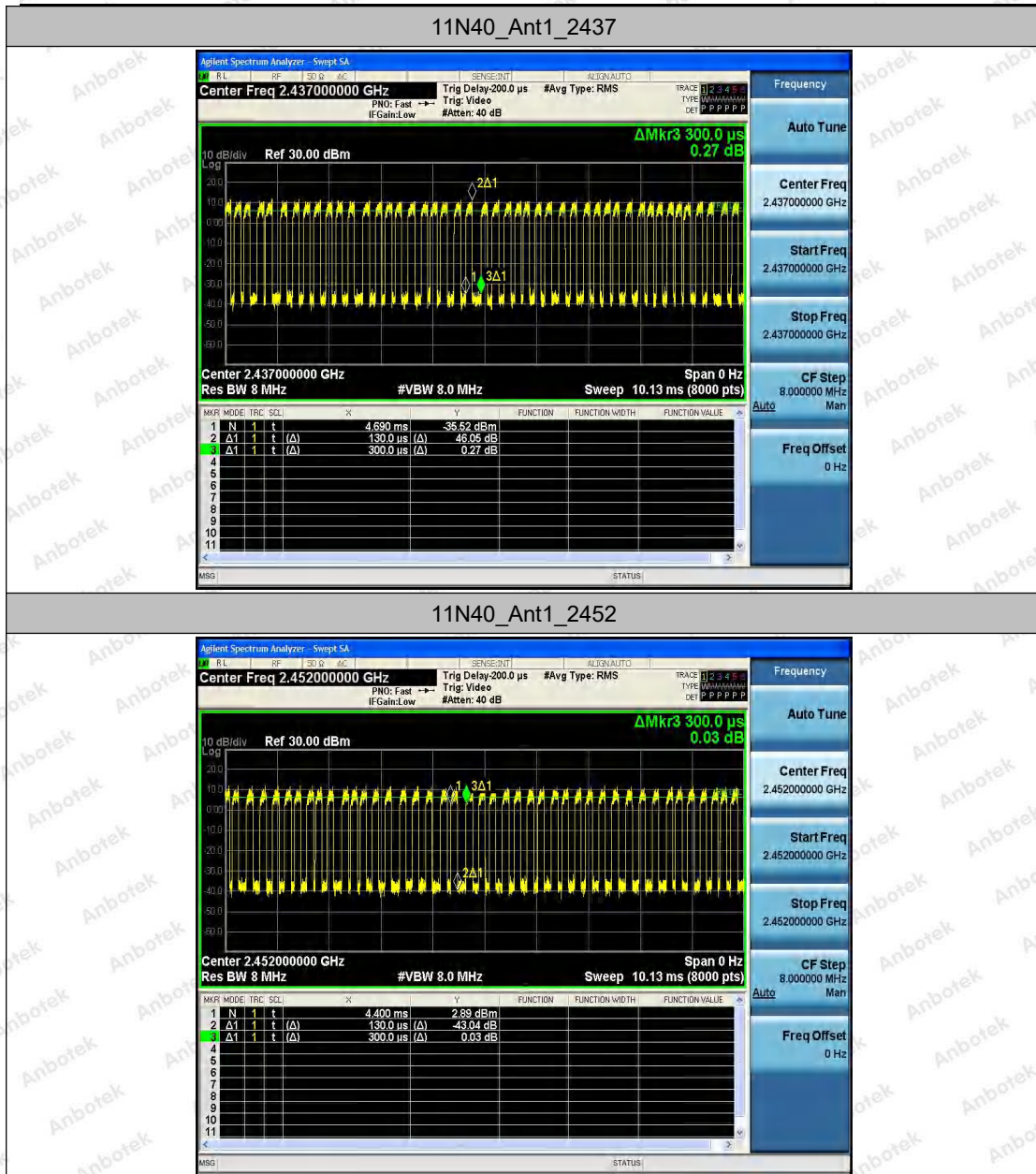
11N20_Ant1_2437



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