

Appendix Test Data

Report No.:	18220WC20093801	Test Sample No.:	1-2-2
Start Test Date:	2022.4.28	Finish Test Date:	2022.5.13
Test Engineer:	<i>Jonny He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.9°C	Relative Humidity:	55.7 %
Pressure:	1012 hPa		

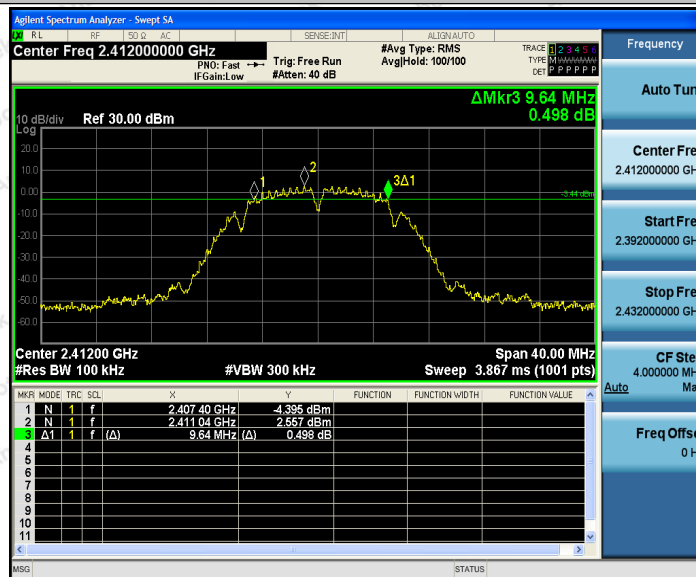
Appendix A: DTS Bandwidth

Test Result

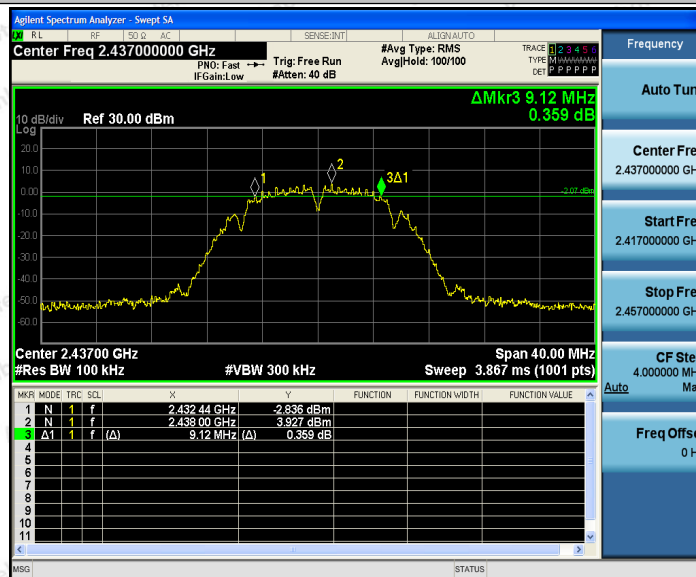
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.640	2407.400	2417.040	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.440	2403.400	2420.840	≥0.5	PASS
		2437	17.640	2428.200	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS
11N40	Ant1	2422	35.820	2404.420	2440.240	≥0.5	PASS
		2437	35.820	2419.360	2455.180	≥0.5	PASS
		2452	35.820	2434.120	2469.940	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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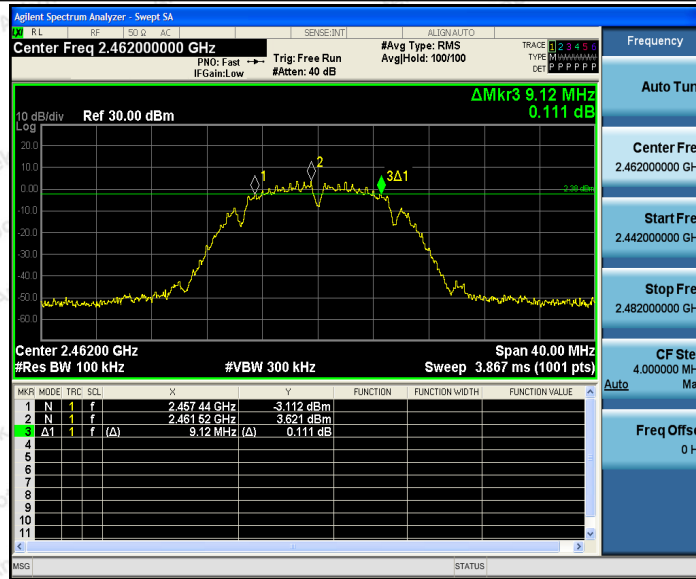
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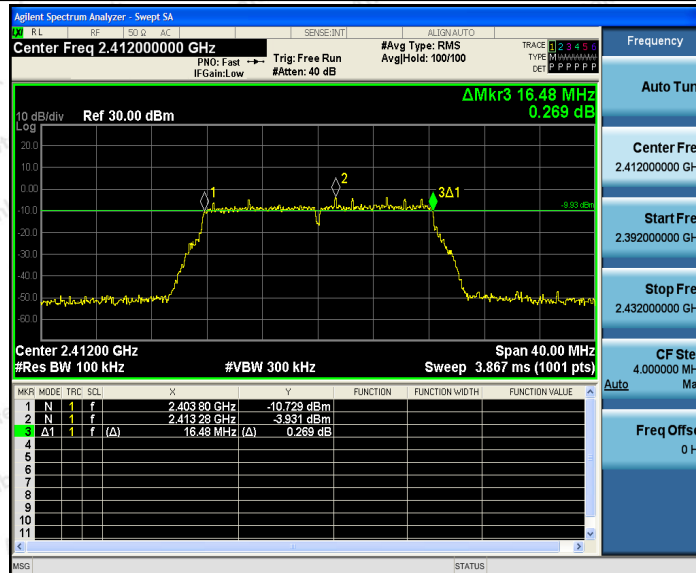
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400-003-0500

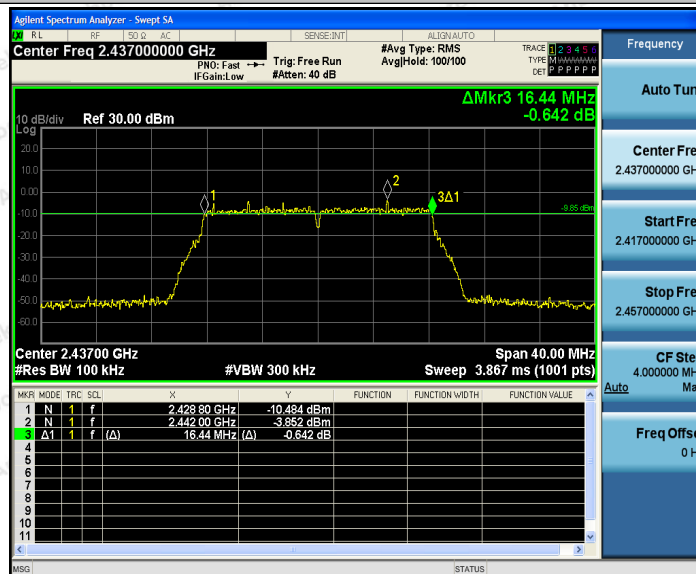
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11G_Ant1_2412



11G_Ant1_2437



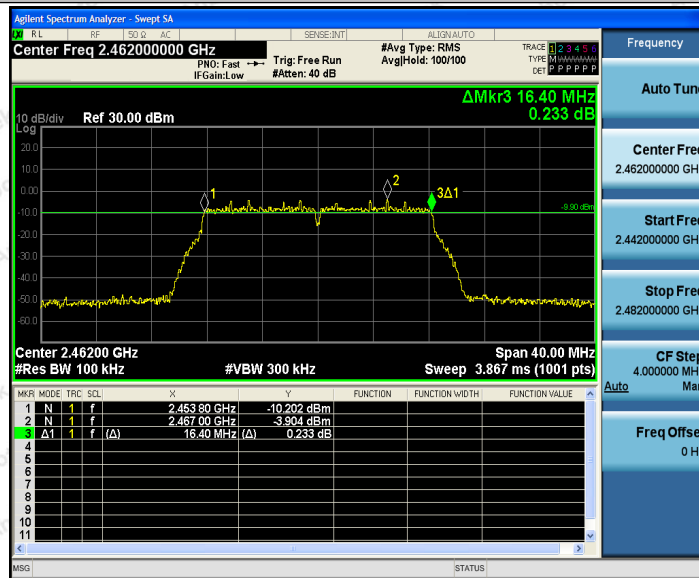
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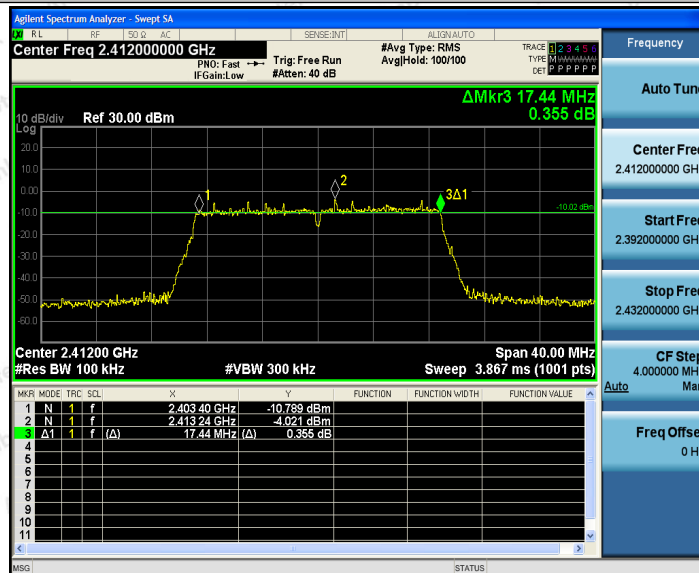
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11G_Ant1_2462



11N20_Ant1_2412



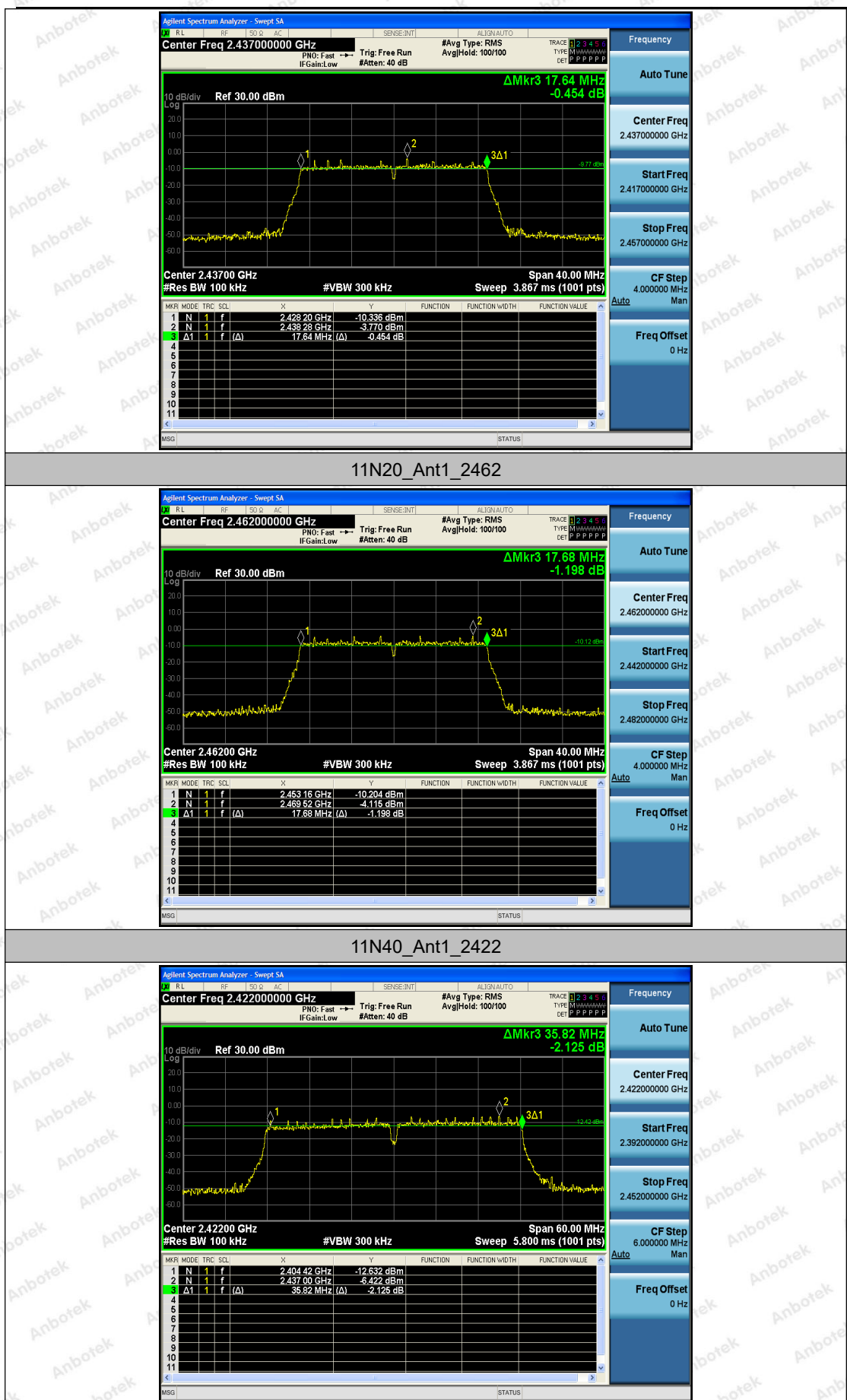
11N20_Ant1_2437

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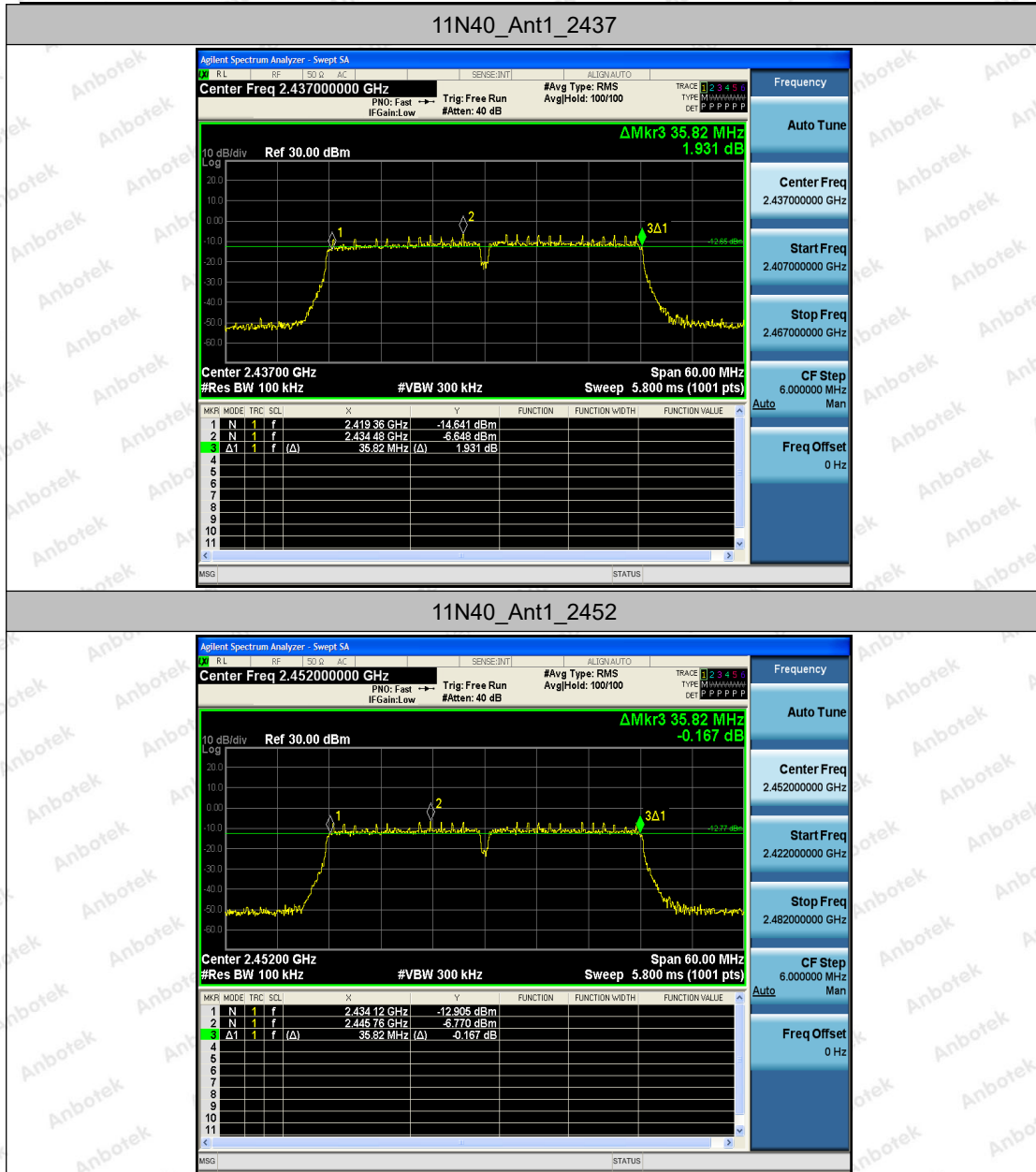


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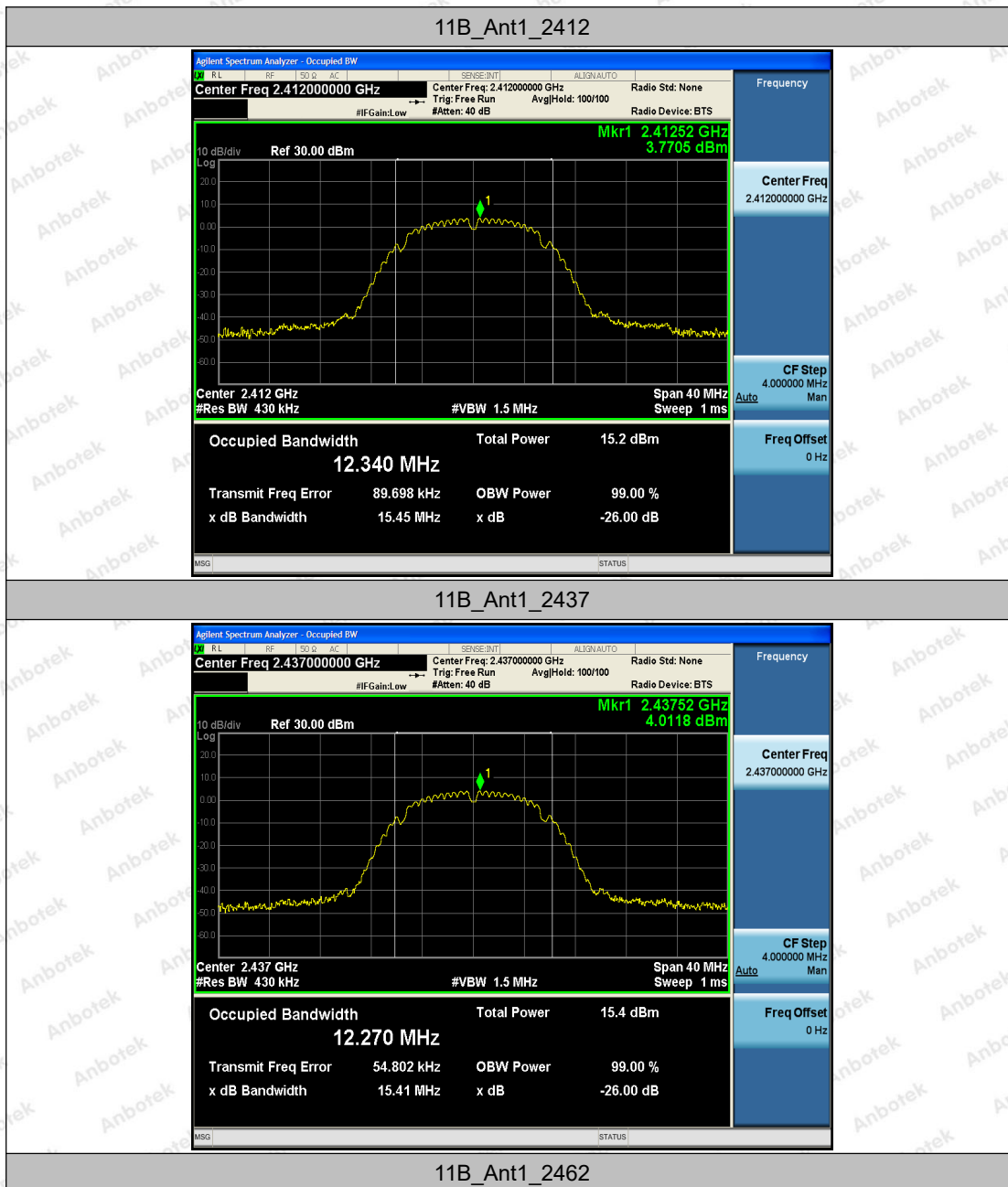


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.340	2405.920	2418.260	---	PASS
		2437	12.270	2430.920	2443.190	---	PASS
		2462	12.295	2455.875	2468.170	---	PASS
11G	Ant1	2412	17.079	2403.543	2420.622	---	PASS
		2437	17.116	2428.488	2445.604	---	PASS
		2462	17.110	2453.464	2470.574	---	PASS
11N20	Ant1	2412	17.955	2403.094	2421.049	---	PASS
		2437	17.902	2428.091	2445.993	---	PASS
		2462	17.989	2453.004	2470.993	---	PASS
11N40	Ant1	2422	36.181	2404.035	2440.216	---	PASS
		2437	36.127	2418.996	2455.123	---	PASS
		2452	36.152	2433.969	2470.121	---	PASS

Test Graphs



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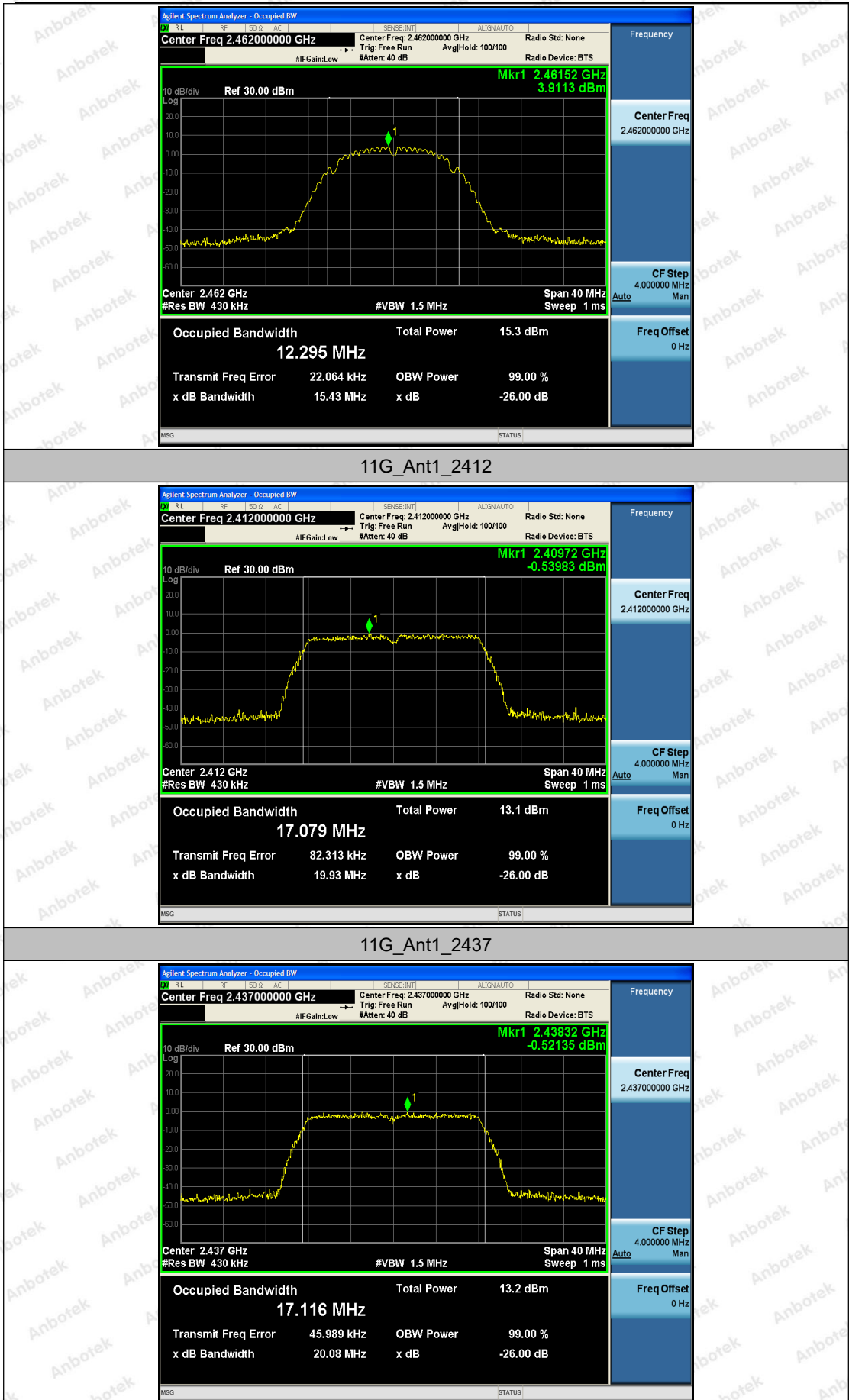
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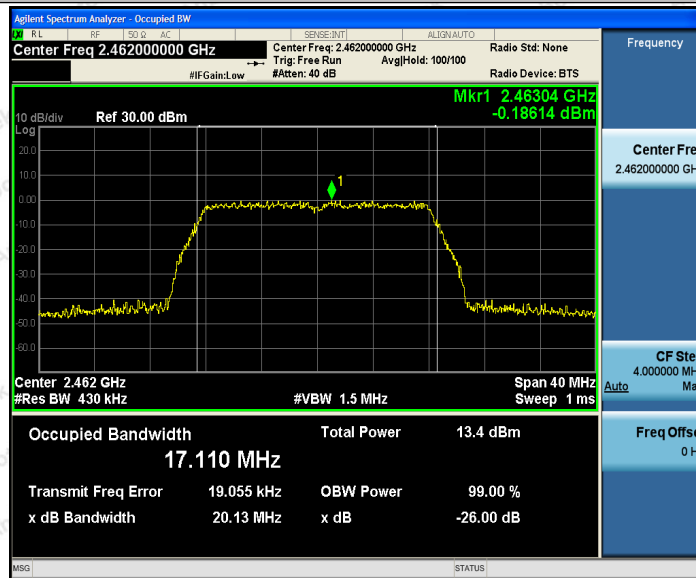
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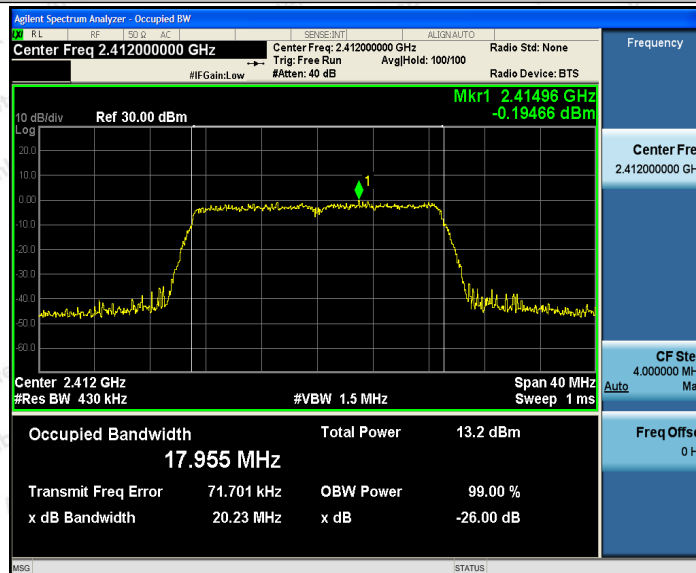
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11G_Ant1_2462



11N20_Ant1_2412



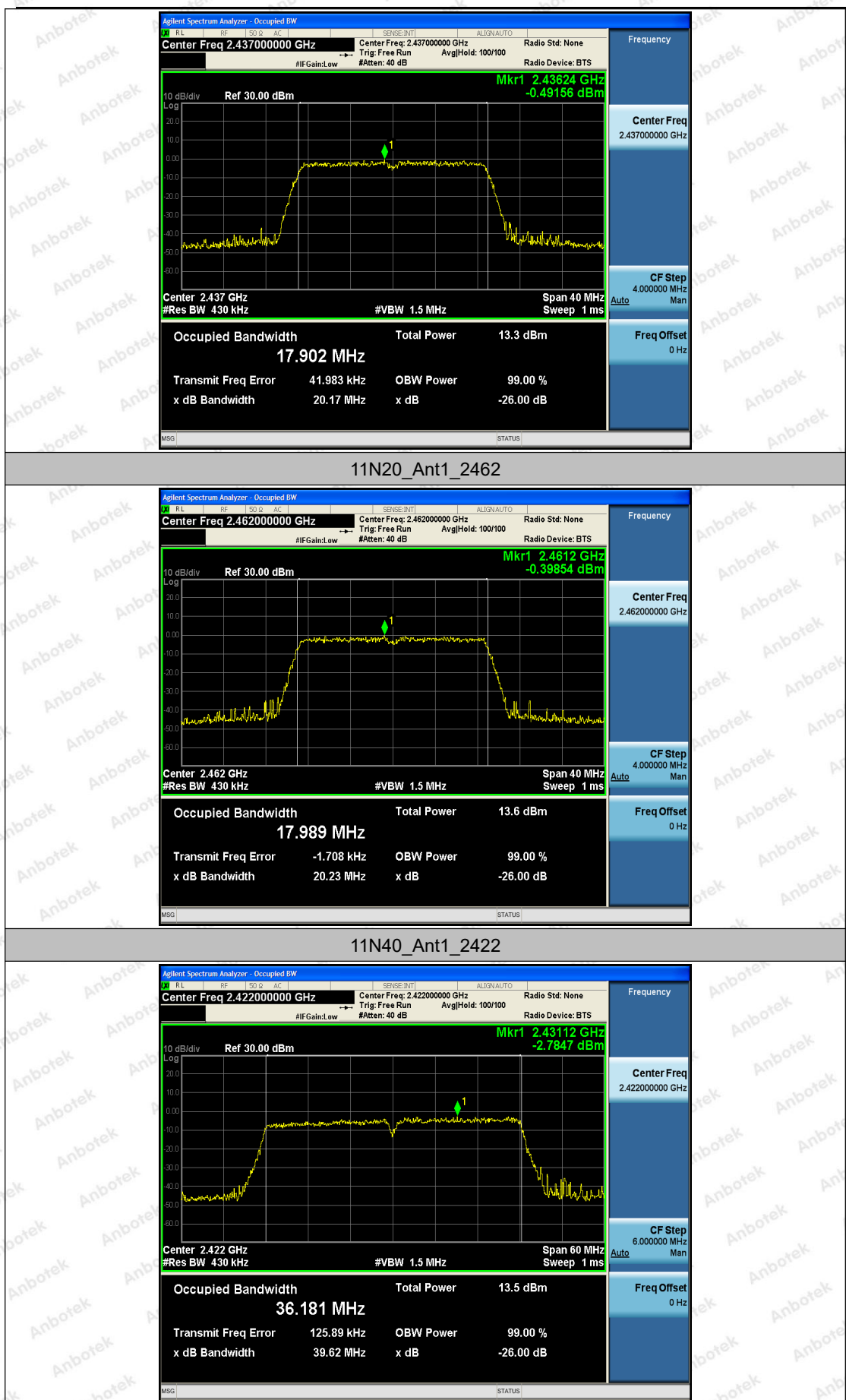
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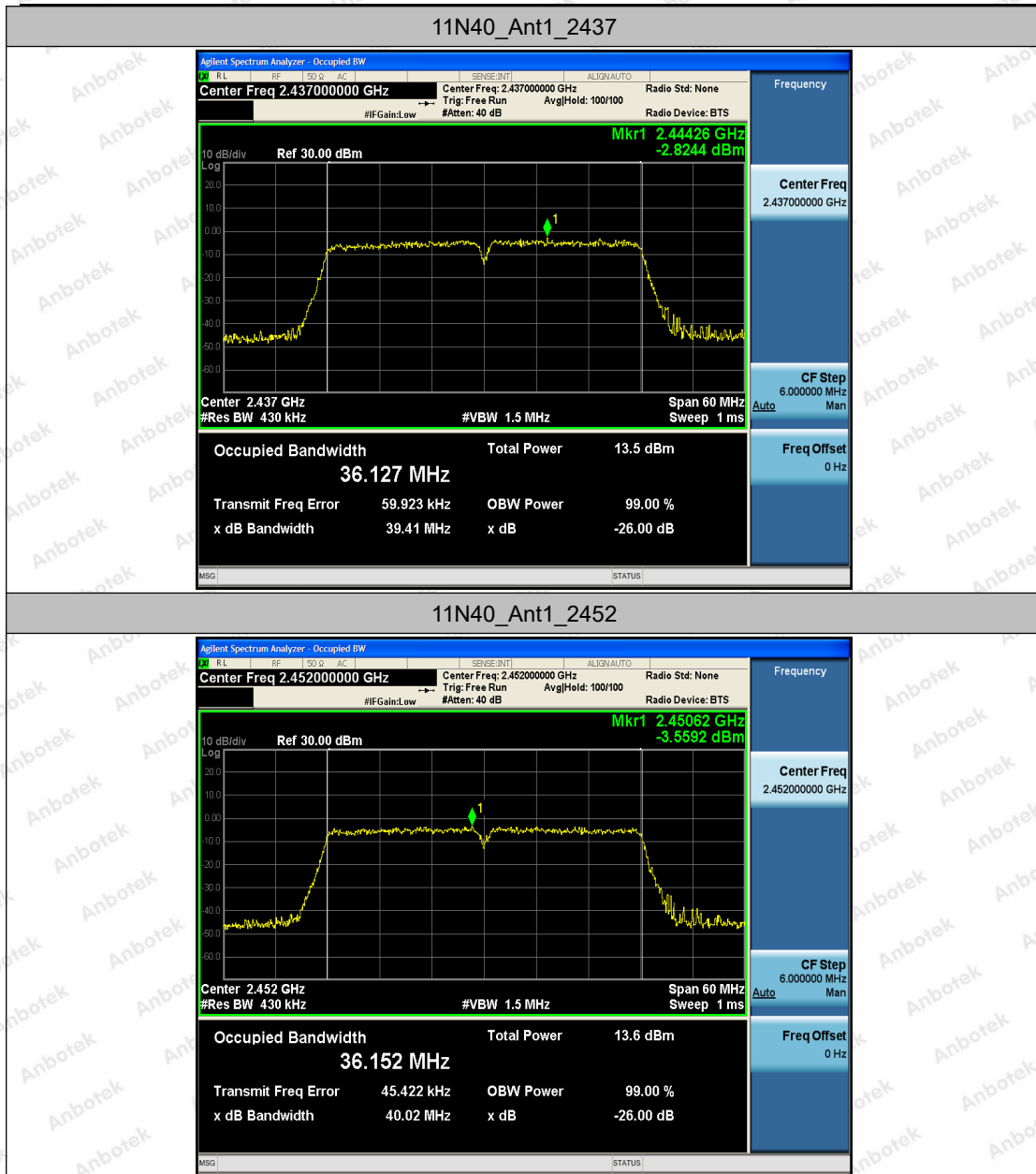


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Appendix C: Maximum conducted output power

Test Result

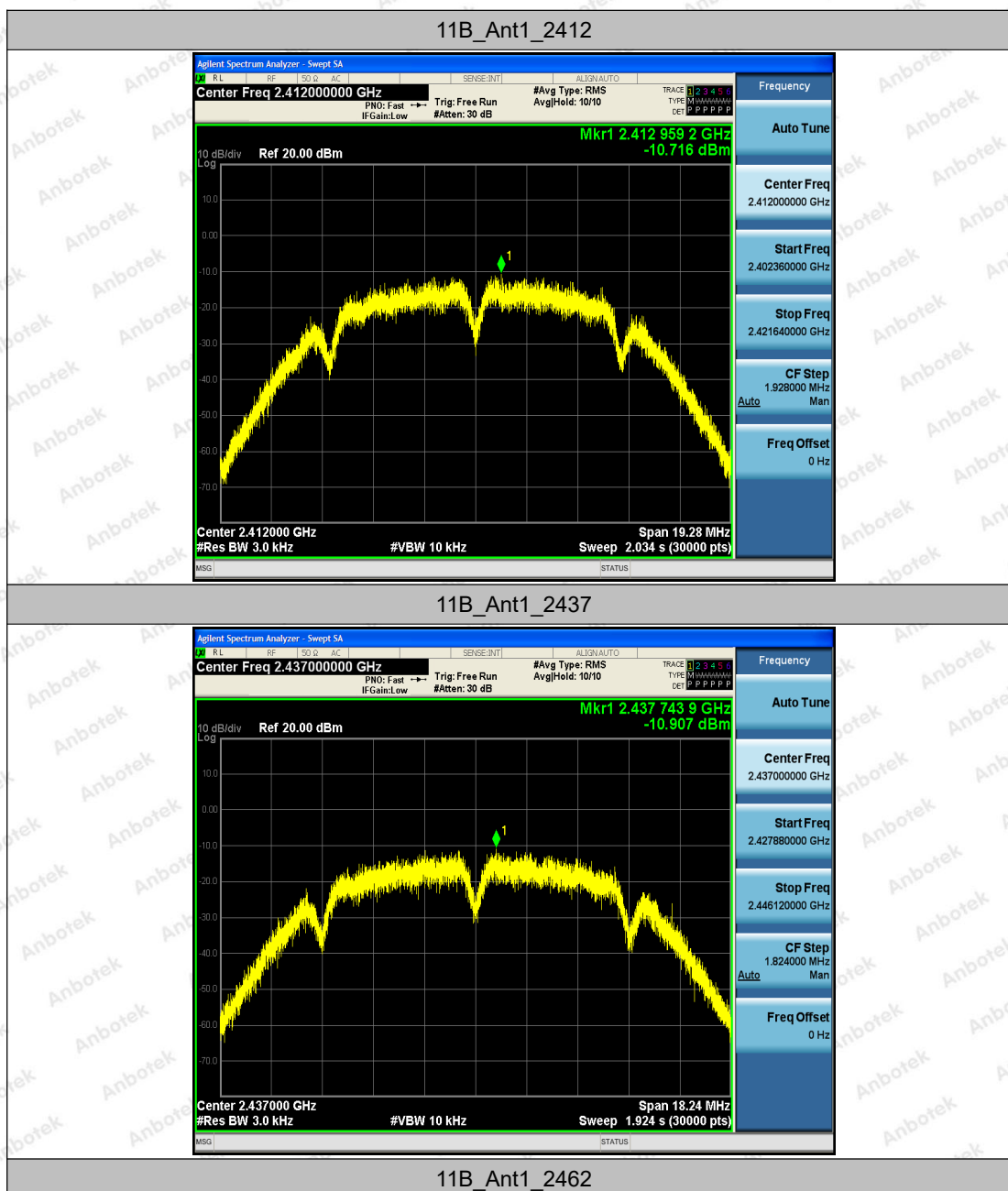
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.17	≤30	PASS
		2437	15.38	≤30	PASS
		2462	15.32	≤30	PASS
11G	Ant1	2412	14.55	≤30	PASS
		2437	14.51	≤30	PASS
		2462	14.54	≤30	PASS
11N20	Ant1	2412	14.37	≤30	PASS
		2437	14.30	≤30	PASS
		2462	14.67	≤30	PASS
11N40	Ant1	2422	11.86	≤30	PASS
		2437	12.20	≤30	PASS
		2452	12.10	≤30	PASS

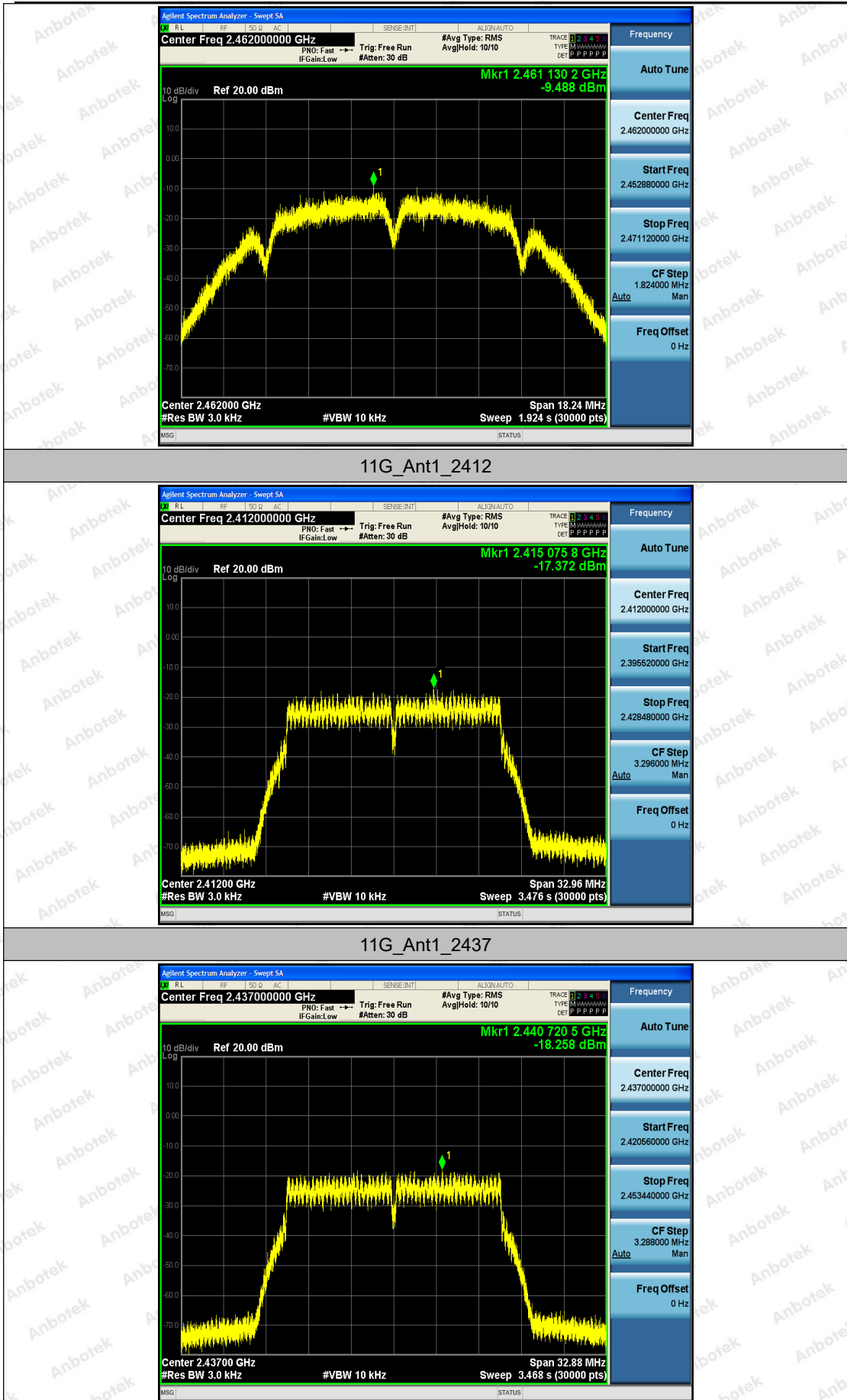
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.72	≤8	PASS
		2437	-10.91	≤8	PASS
		2462	-9.49	≤8	PASS
11G	Ant1	2412	-17.37	≤8	PASS
		2437	-18.26	≤8	PASS
		2462	-16.47	≤8	PASS
11N20	Ant1	2412	-18.17	≤8	PASS
		2437	-18.46	≤8	PASS
		2462	-17.56	≤8	PASS
11N40	Ant1	2422	-20.63	≤8	PASS
		2437	-20.56	≤8	PASS
		2452	-21.06	≤8	PASS

Test Graphs



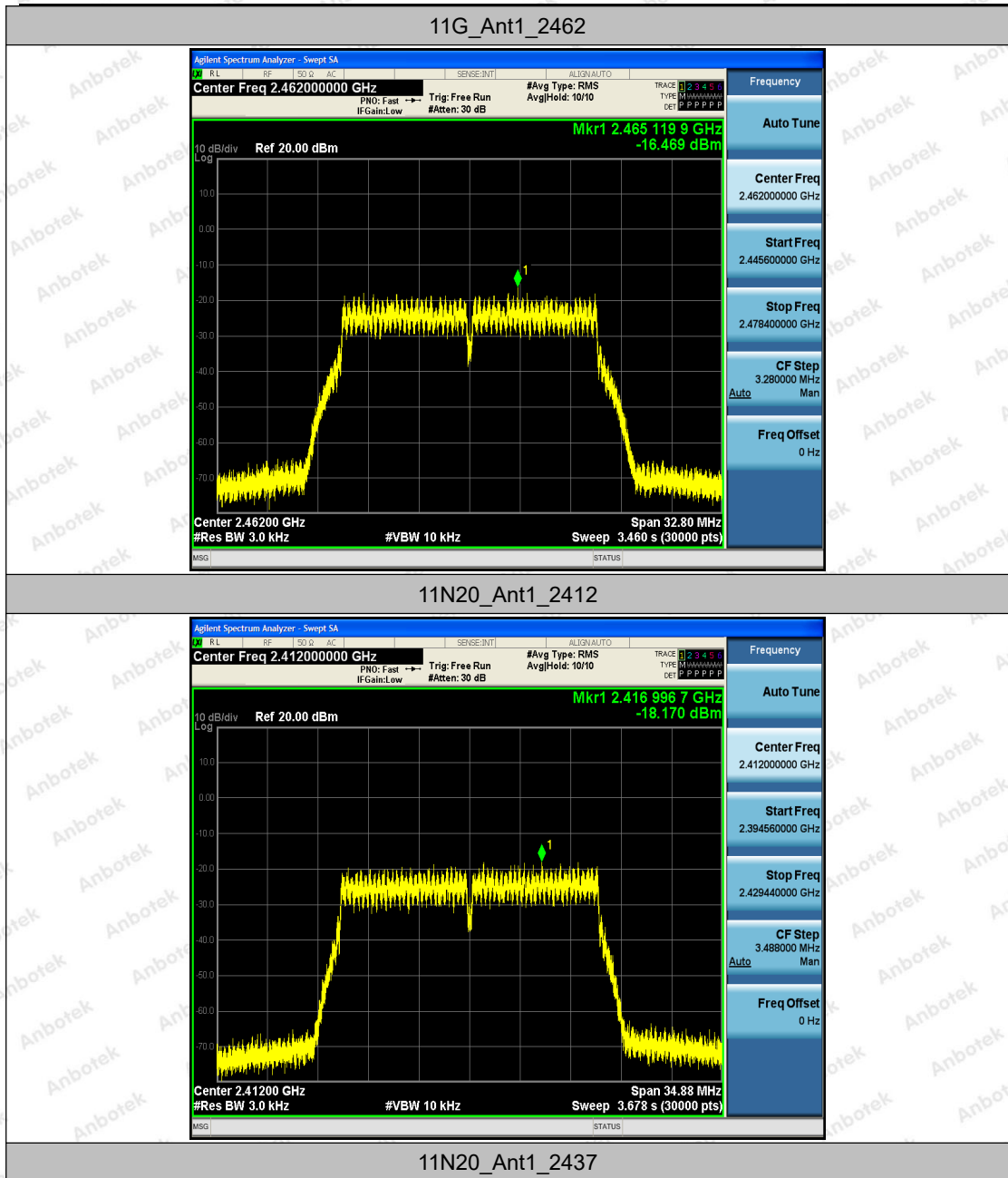


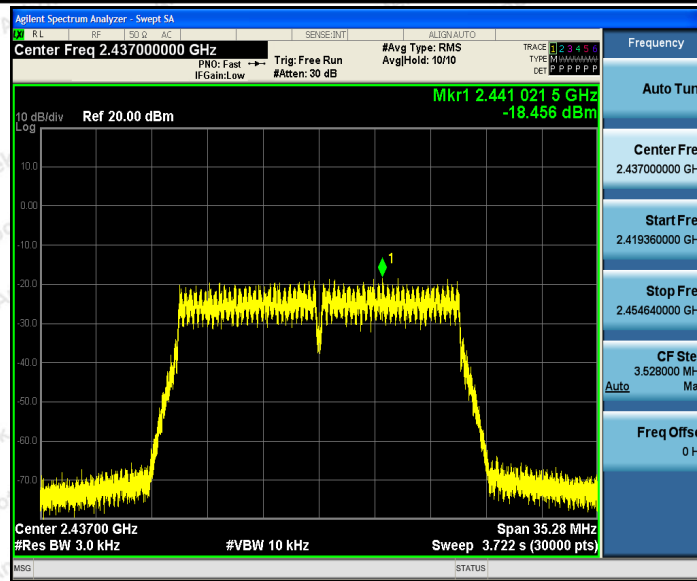
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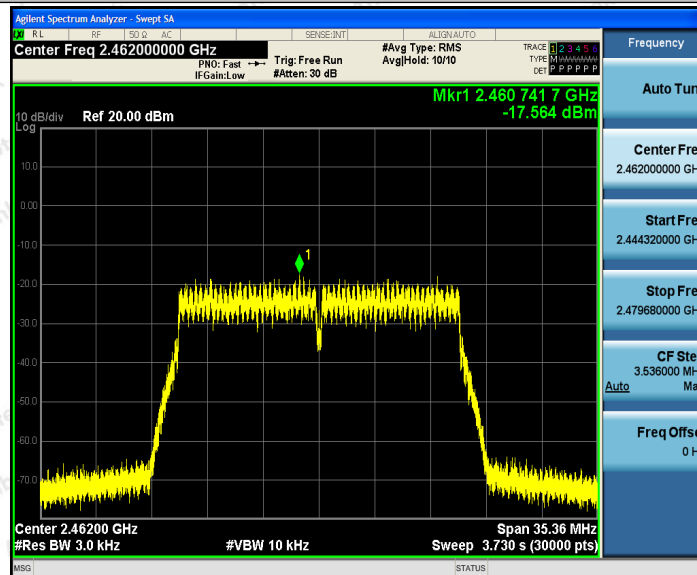
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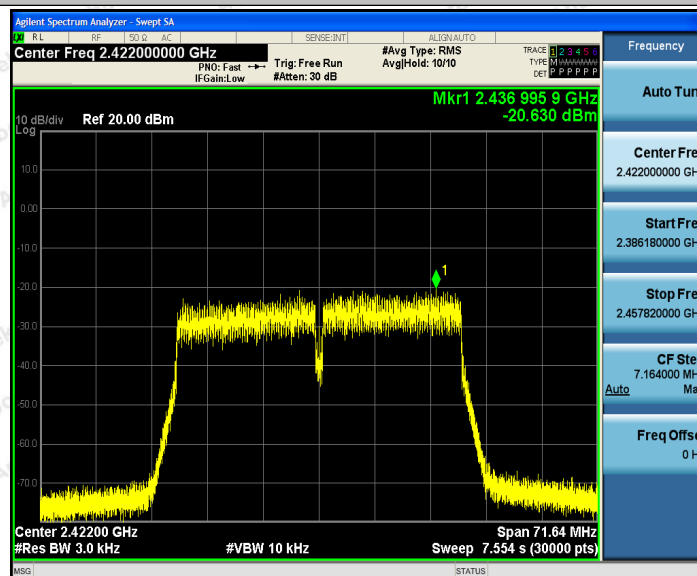




11N20_Ant1_2462



11N40_Ant1_2422

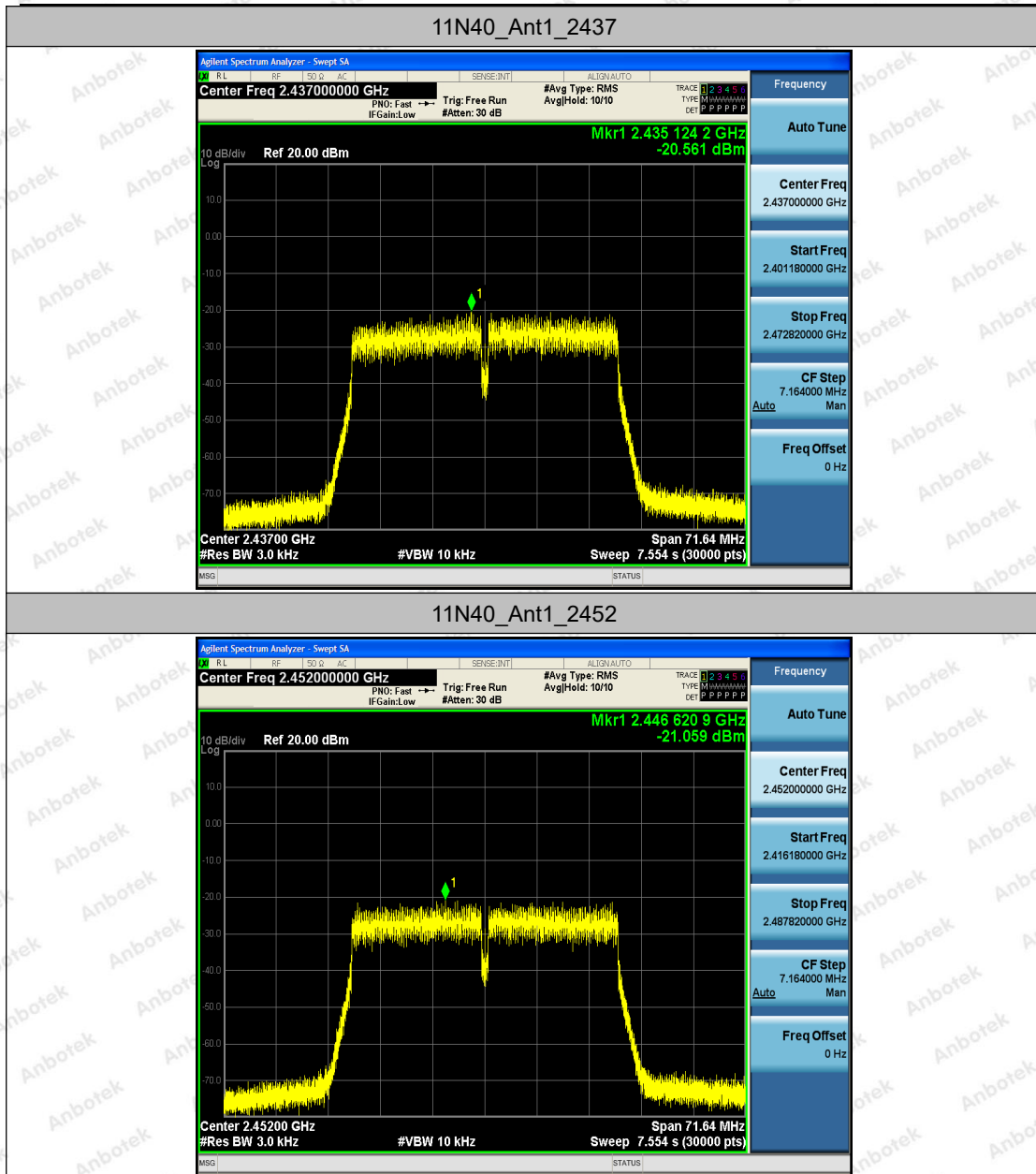


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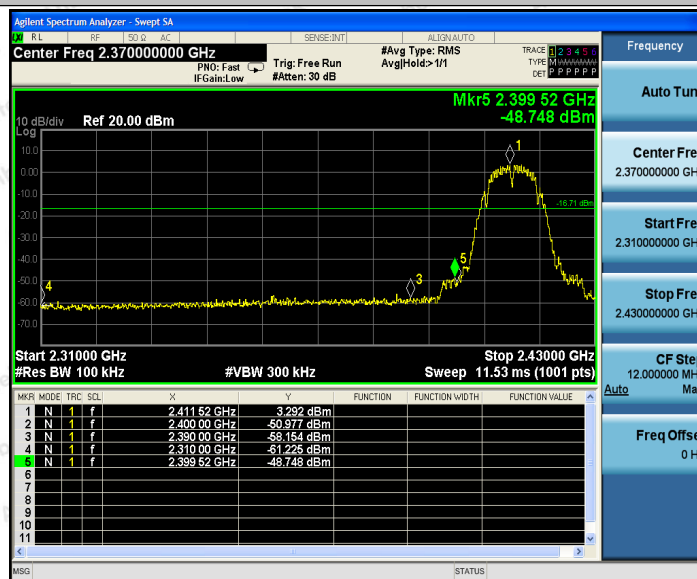
Appendix E: Band edge measurements

Test Result

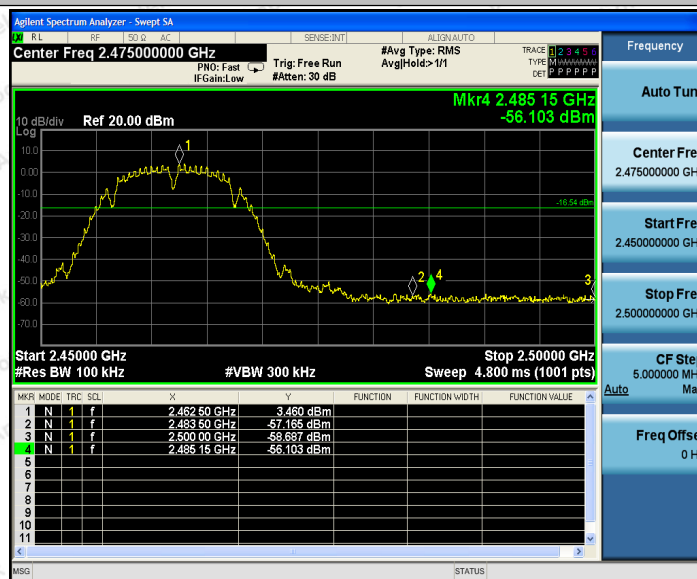
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.29	-48.75	≤ -16.71	PASS
		High	2462	3.46	-56.1	≤ -16.54	PASS
11G	Ant1	Low	2412	-3.72	-48.44	≤ -23.72	PASS
		High	2462	-3.64	-53.92	≤ -23.64	PASS
11N20	Ant1	Low	2412	-3.82	-48.87	≤ -23.82	PASS
		High	2462	-3.63	-51.41	≤ -23.63	PASS
11N40	Ant1	Low	2422	-6.40	-50.62	≤ -26.4	PASS
		High	2452	-6.58	-52.32	≤ -26.58	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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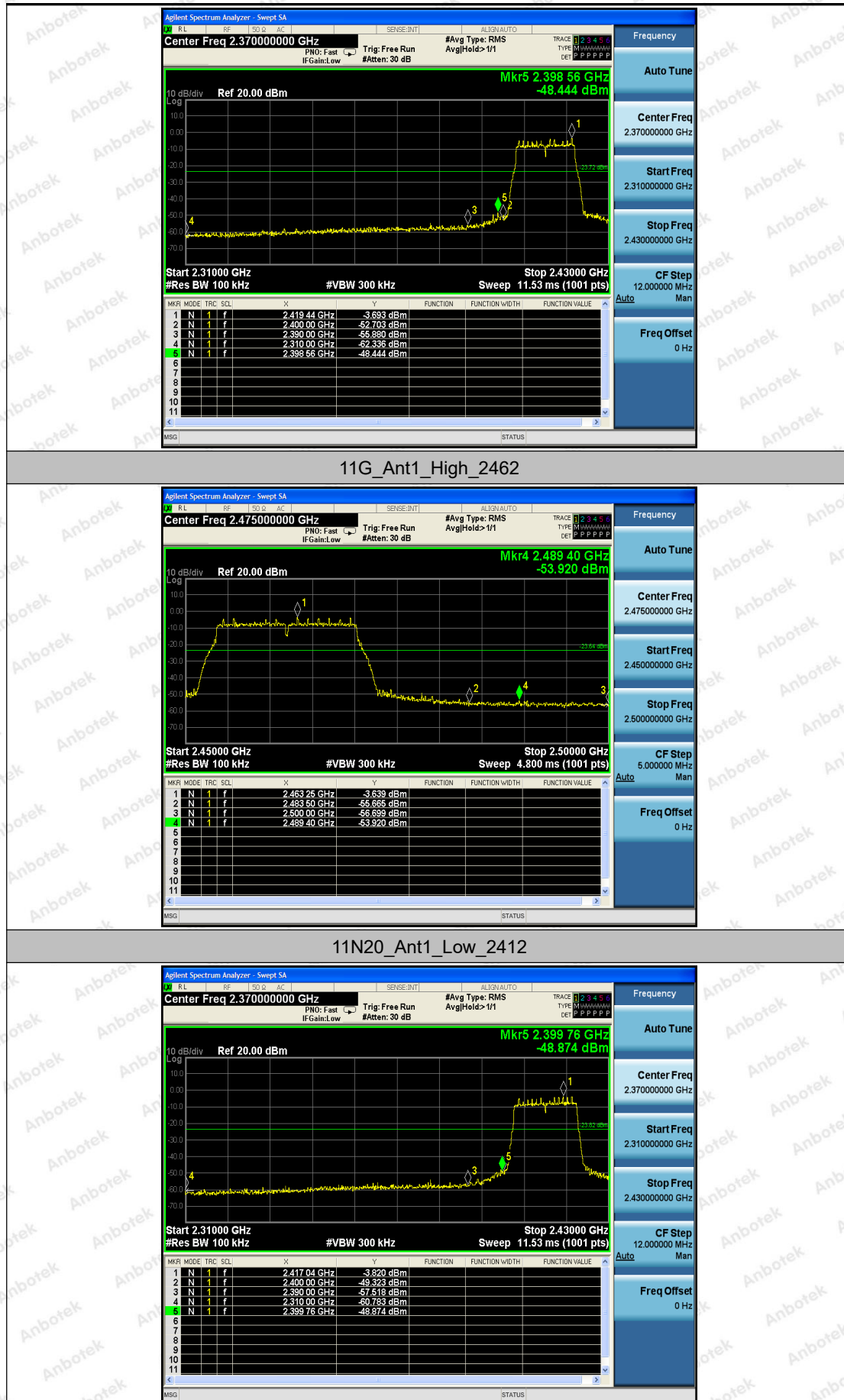
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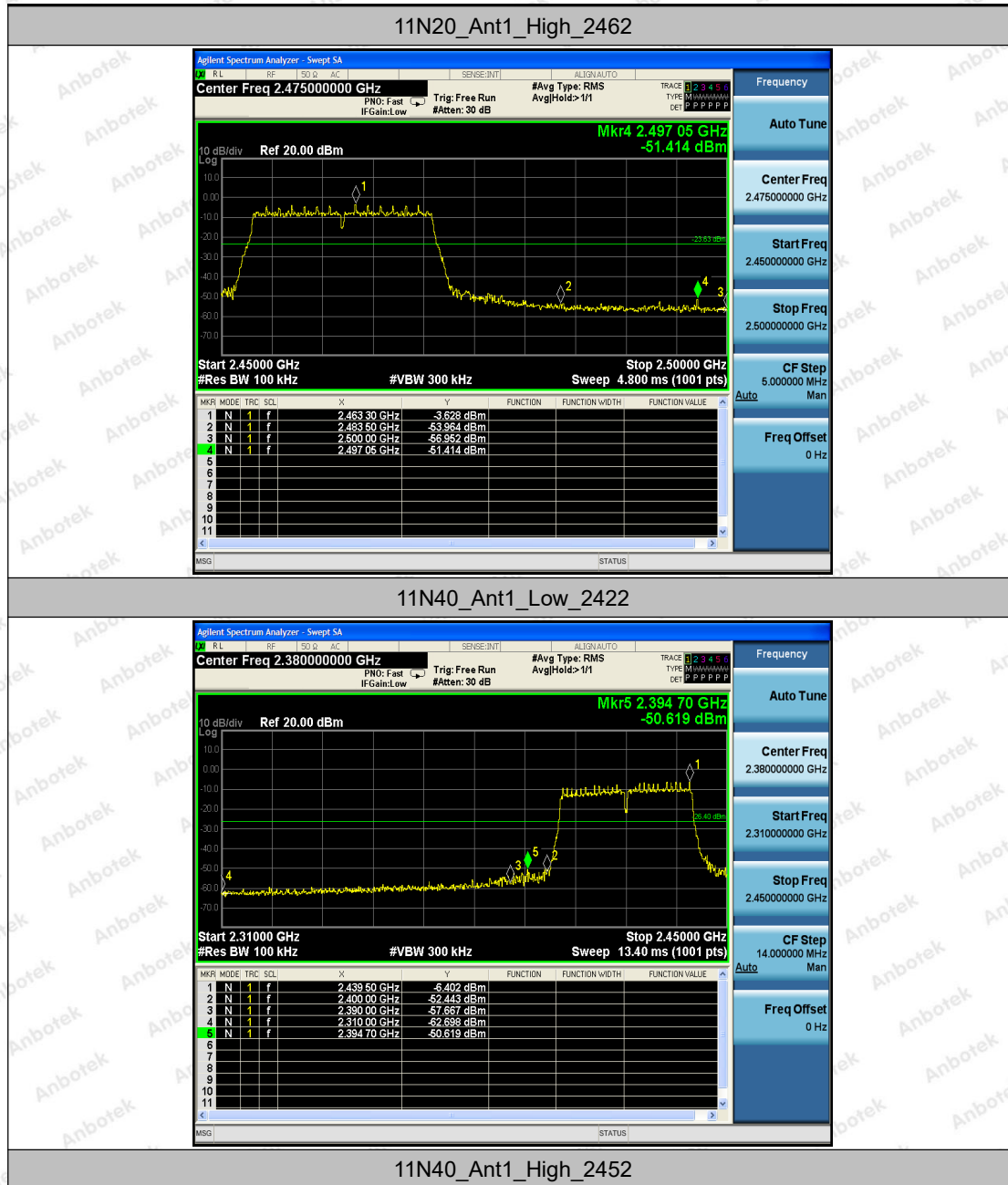


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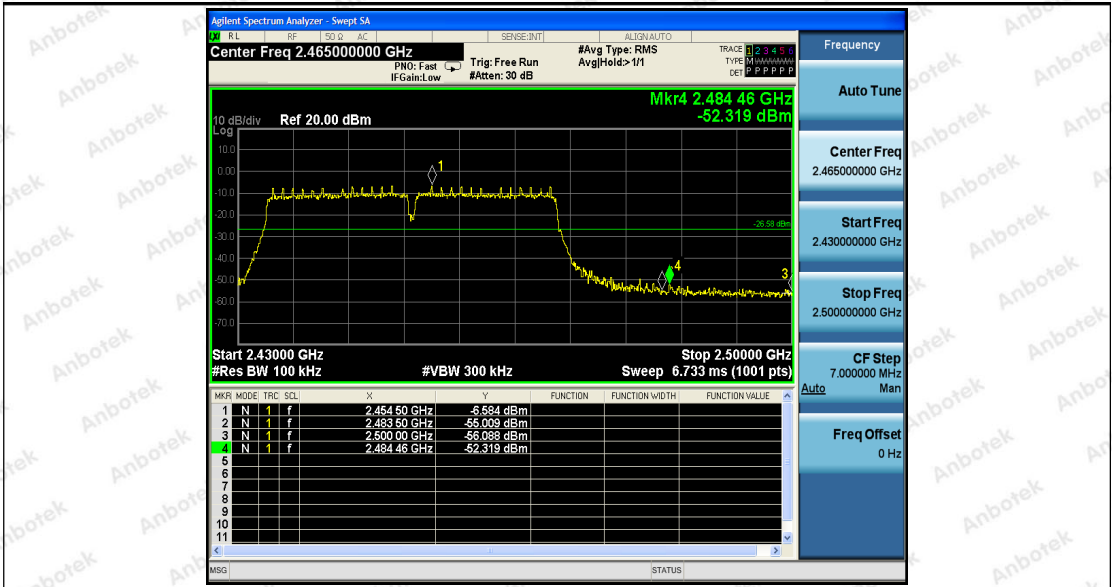


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.74	3.74	---	PASS
			30~1000	3.74	-70.31	≤-16.26	PASS
			1000~26500	3.74	-52.67	≤-16.26	PASS
		2437	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-70.15	≤-16.62	PASS
			1000~26500	3.38	-55.27	≤-16.62	PASS
		2462	Reference	3.30	3.30	---	PASS
			30~1000	3.30	-69.67	≤-16.7	PASS
			1000~26500	3.30	-55.68	≤-16.7	PASS
11G	Ant1	2412	Reference	-4.15	-4.15	---	PASS
			30~1000	-4.15	-69.99	≤-24.15	PASS
			1000~26500	-4.15	-55.59	≤-24.15	PASS
		2437	Reference	-4.37	-4.37	---	PASS
			30~1000	-4.37	-69.97	≤-24.37	PASS
			1000~26500	-4.37	-55.08	≤-24.37	PASS
		2462	Reference	-4.62	-4.62	---	PASS
			30~1000	-4.62	-70.56	≤-24.62	PASS
			1000~26500	-4.62	-55.36	≤-24.62	PASS
11N20	Ant1	2412	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-70.07	≤-24.27	PASS
			1000~26500	-4.27	-55.33	≤-24.27	PASS
		2437	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-70.05	≤-23.82	PASS
			1000~26500	-3.82	-55.07	≤-23.82	PASS
		2462	Reference	-4.68	-4.68	---	PASS
			30~1000	-4.68	-69.52	≤-24.68	PASS
			1000~26500	-4.68	-54.65	≤-24.68	PASS
11N40	Ant1	2422	Reference	-6.22	-6.22	---	PASS
			30~1000	-6.22	-70.17	≤-26.22	PASS
			1000~26500	-6.22	-55.58	≤-26.22	PASS
		2437	Reference	-6.39	-6.39	---	PASS
			30~1000	-6.39	-70.52	≤-26.39	PASS
			1000~26500	-6.39	-54.51	≤-26.39	PASS
		2452	Reference	-6.60	-6.60	---	PASS
			30~1000	-6.60	-70.05	≤-26.6	PASS
			1000~26500	-6.60	-56.06	≤-26.6	PASS

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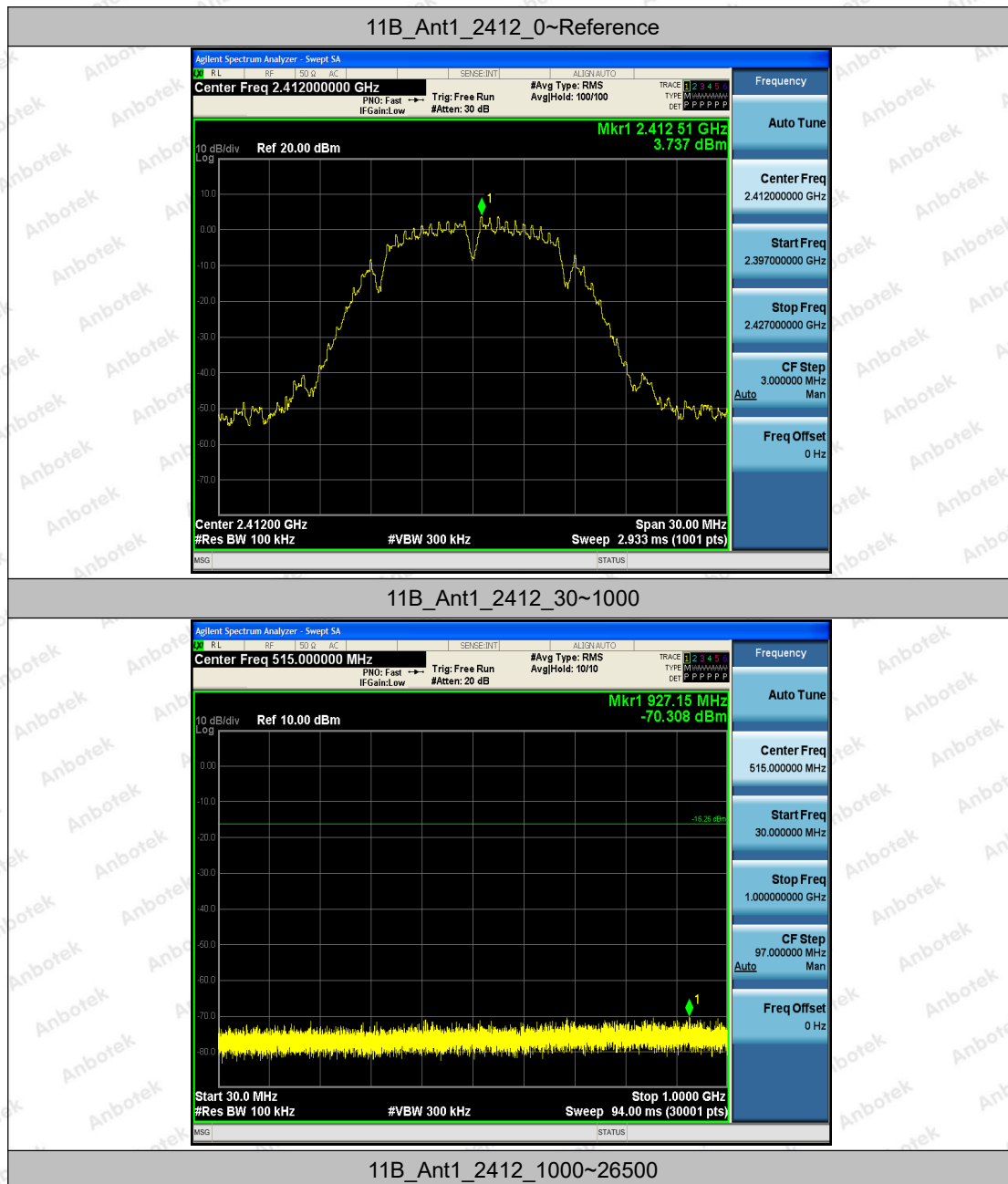


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Test Graphs



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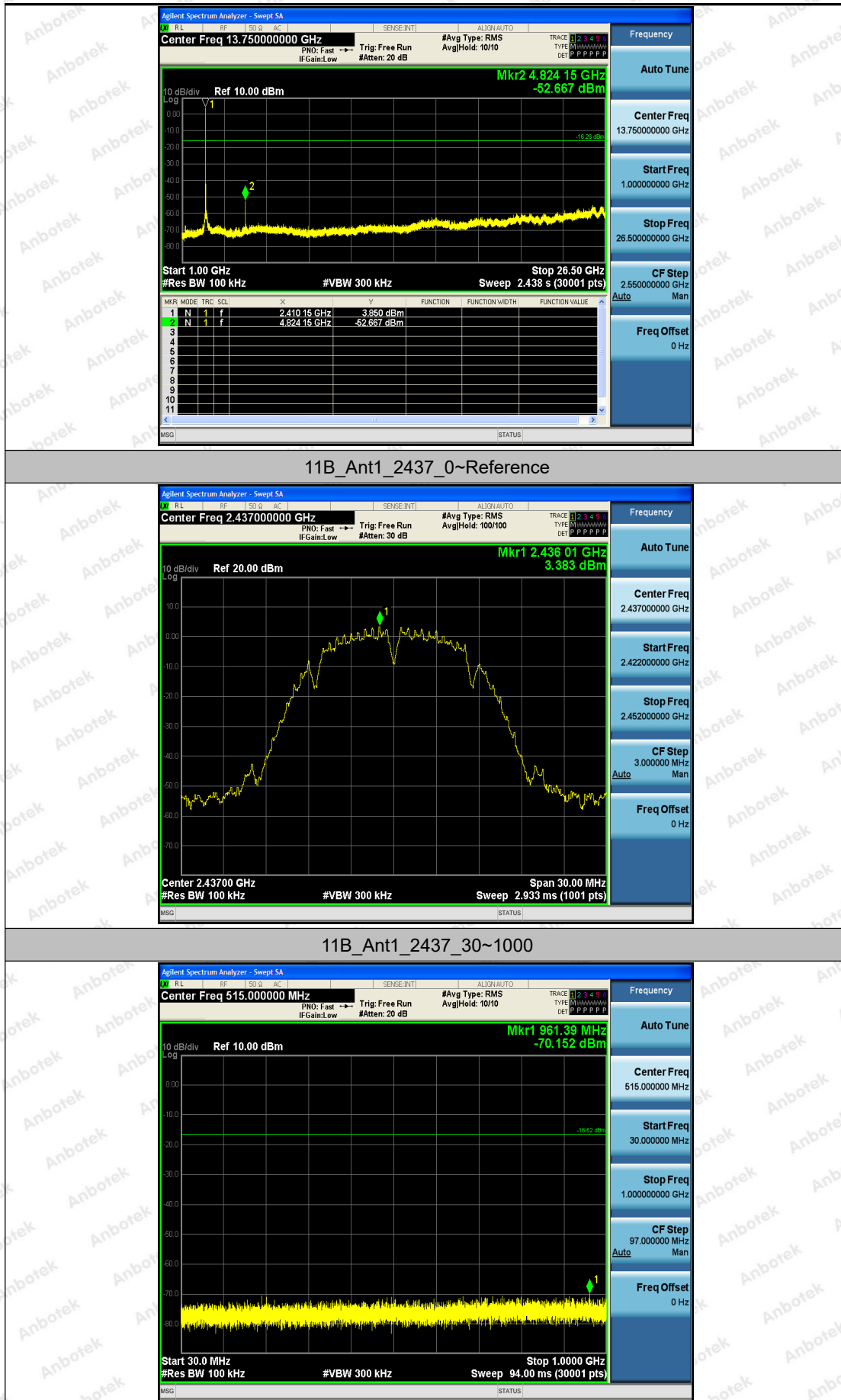
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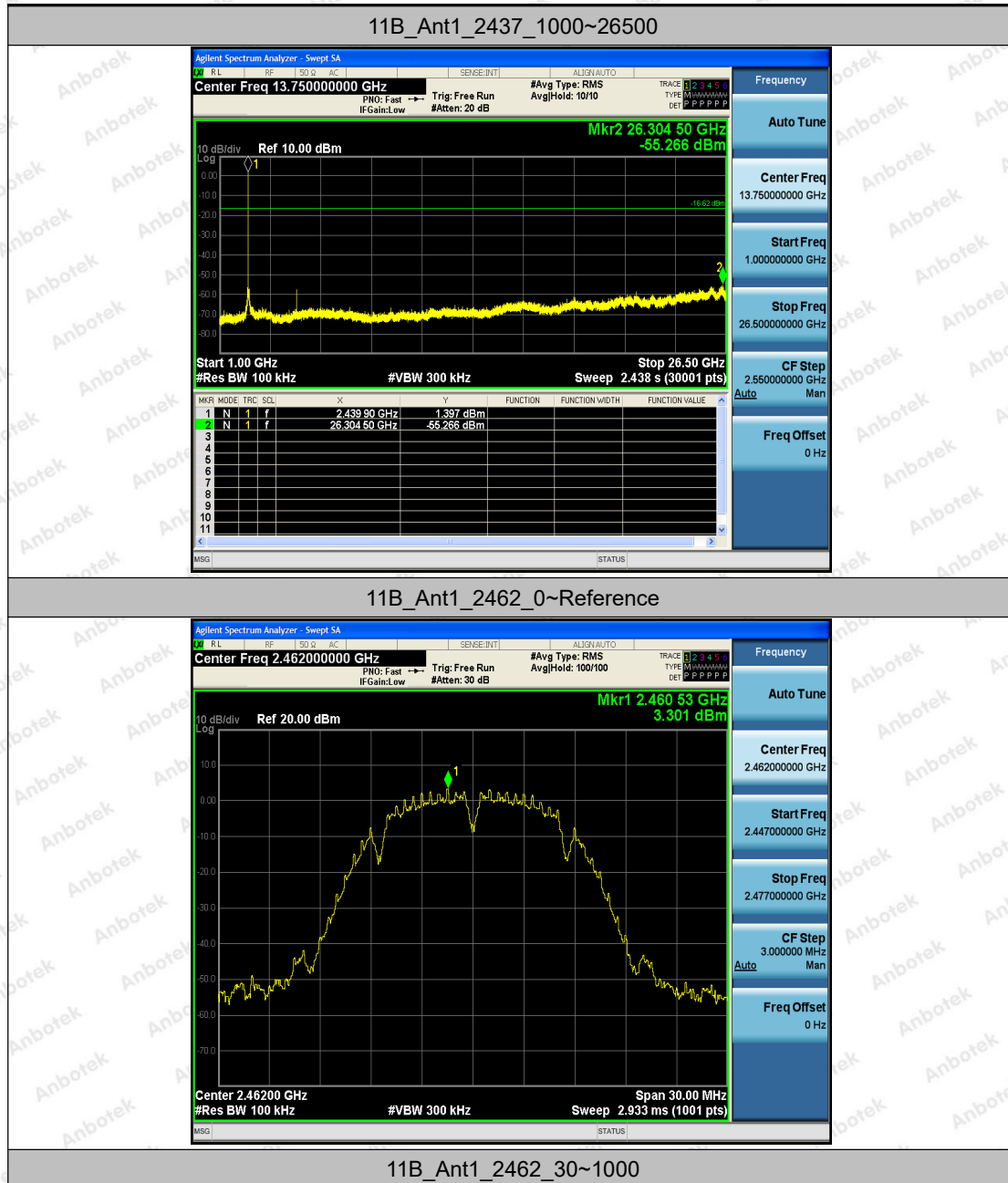


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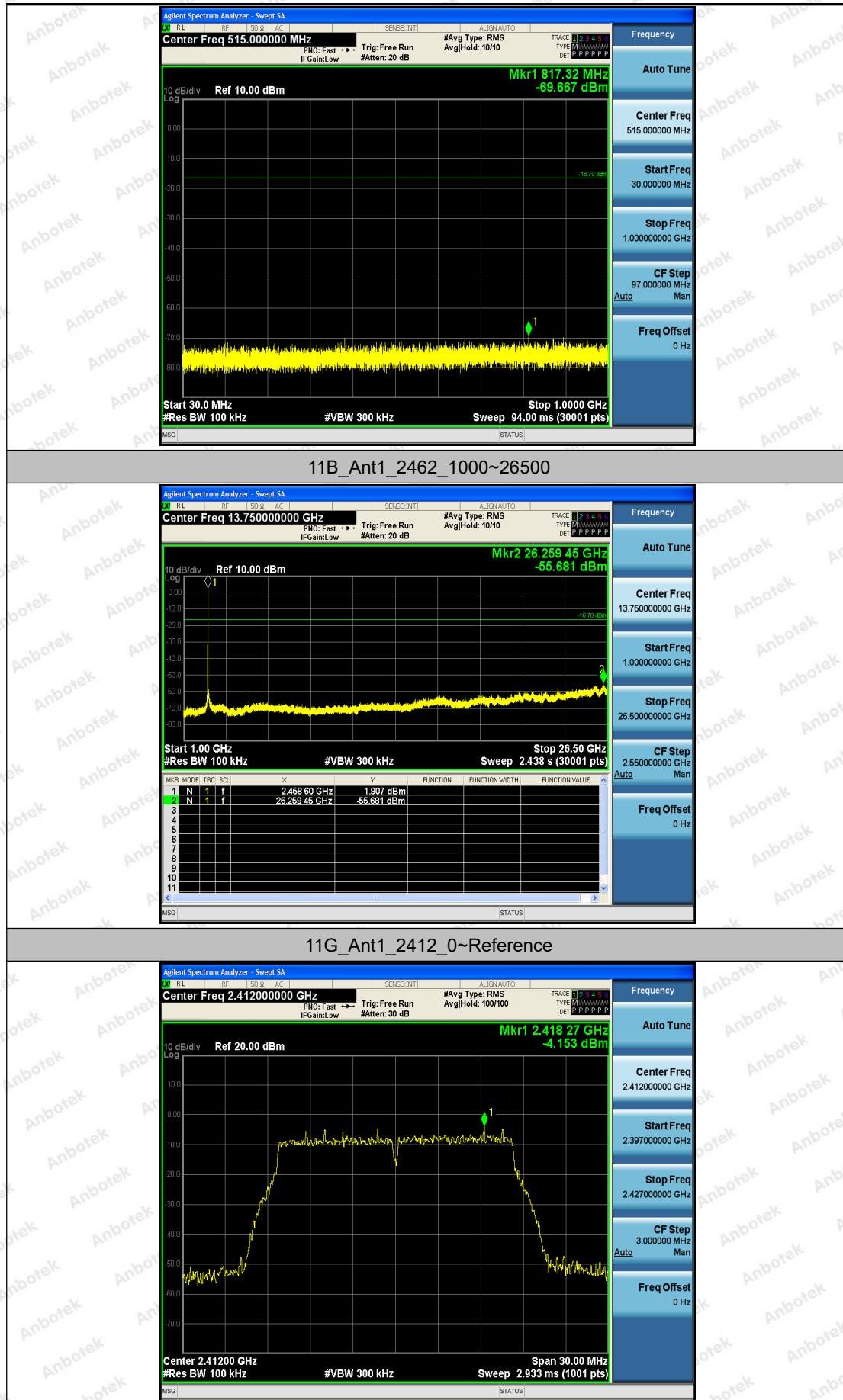


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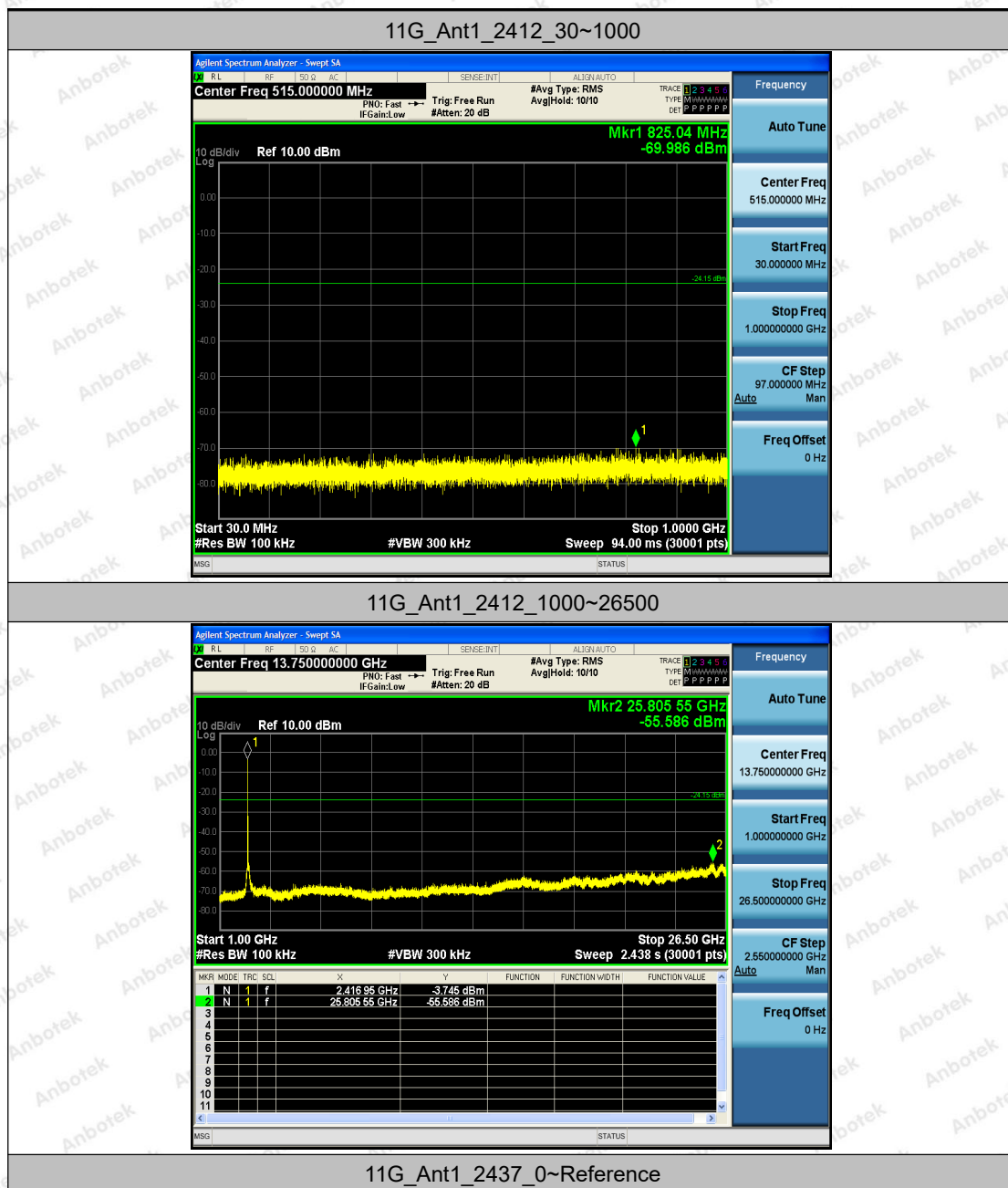


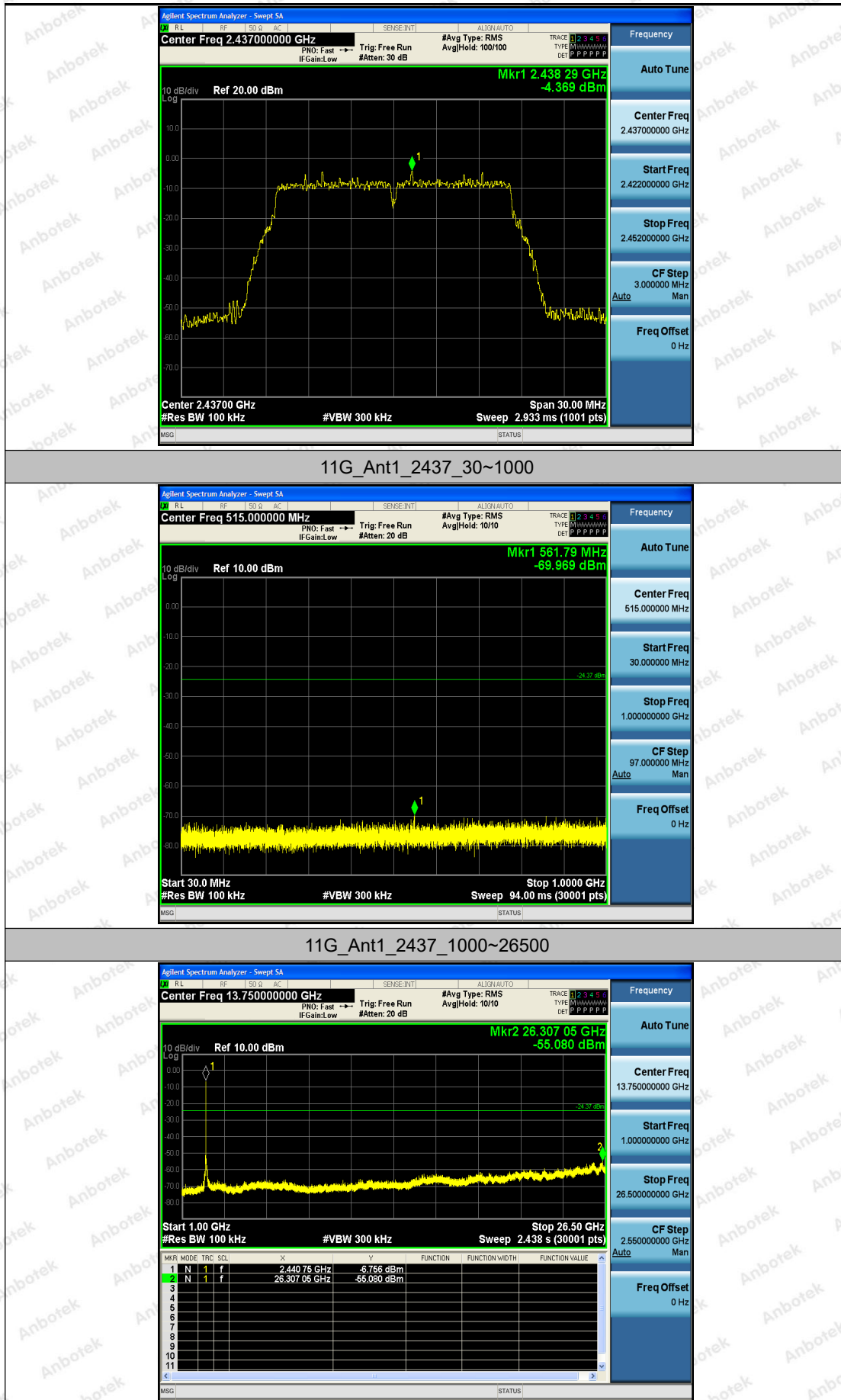
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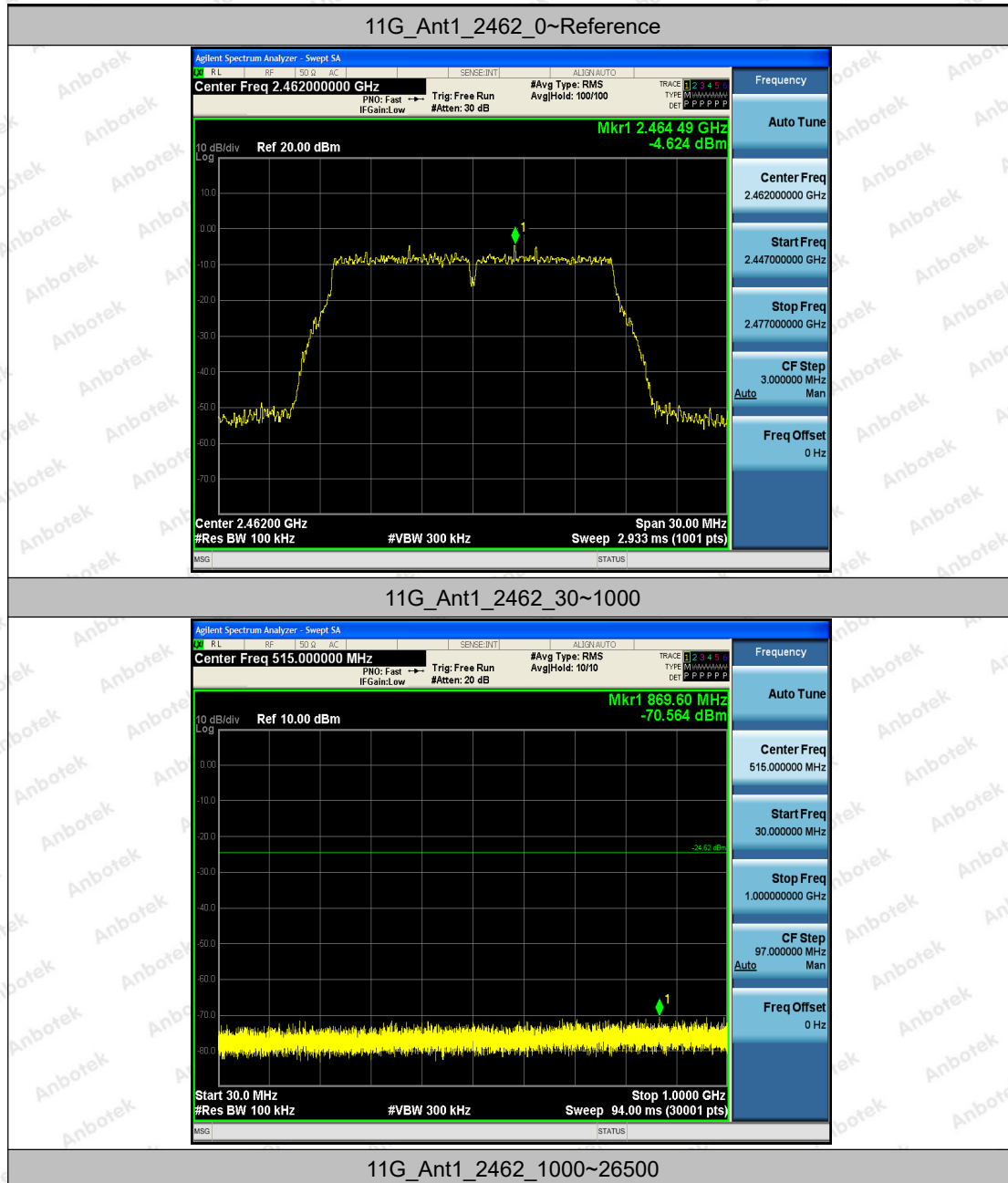


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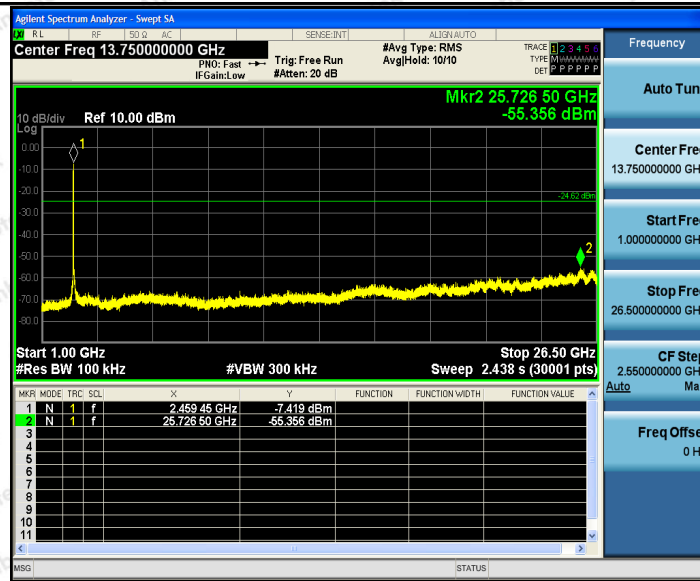


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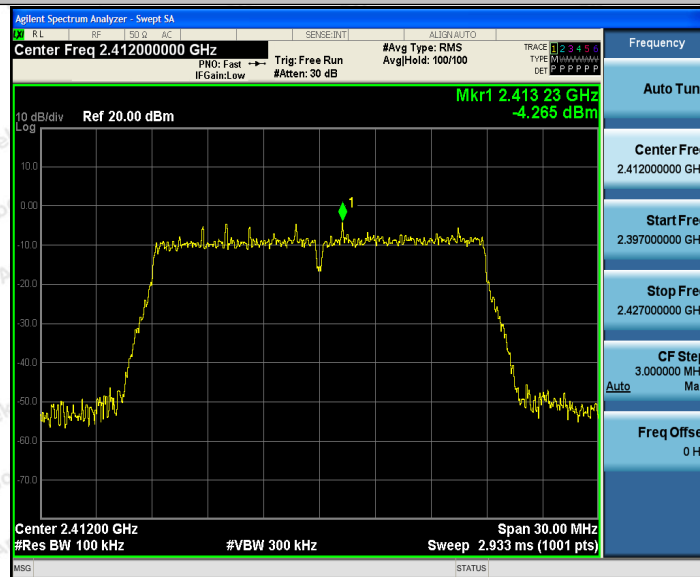
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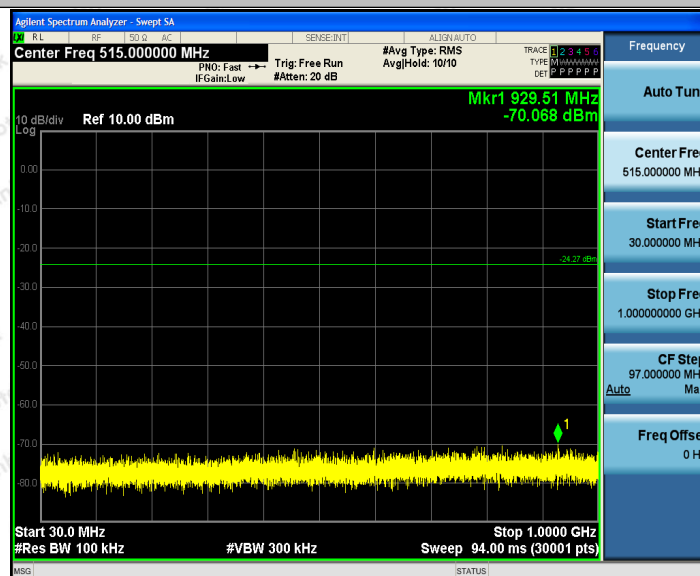
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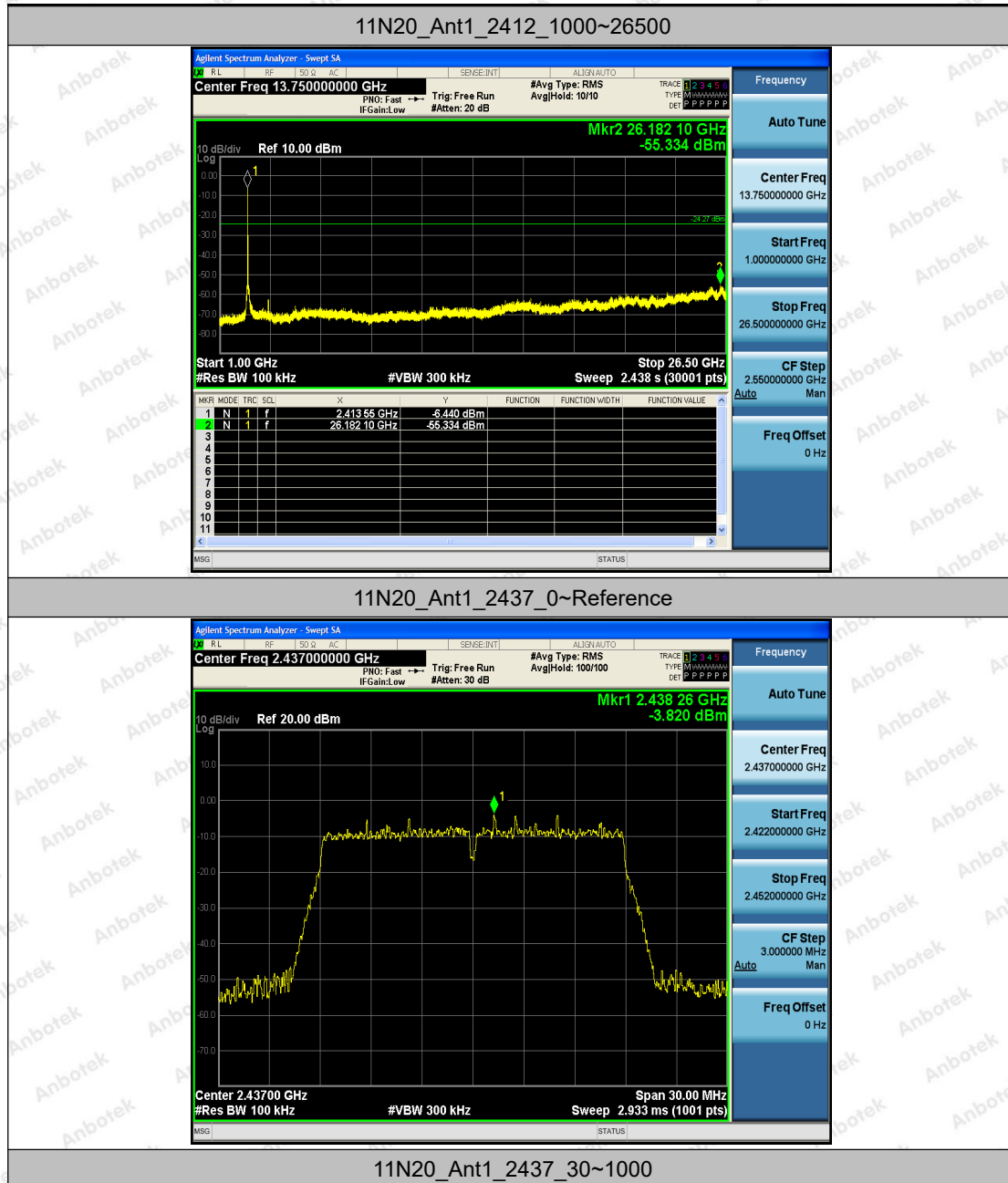


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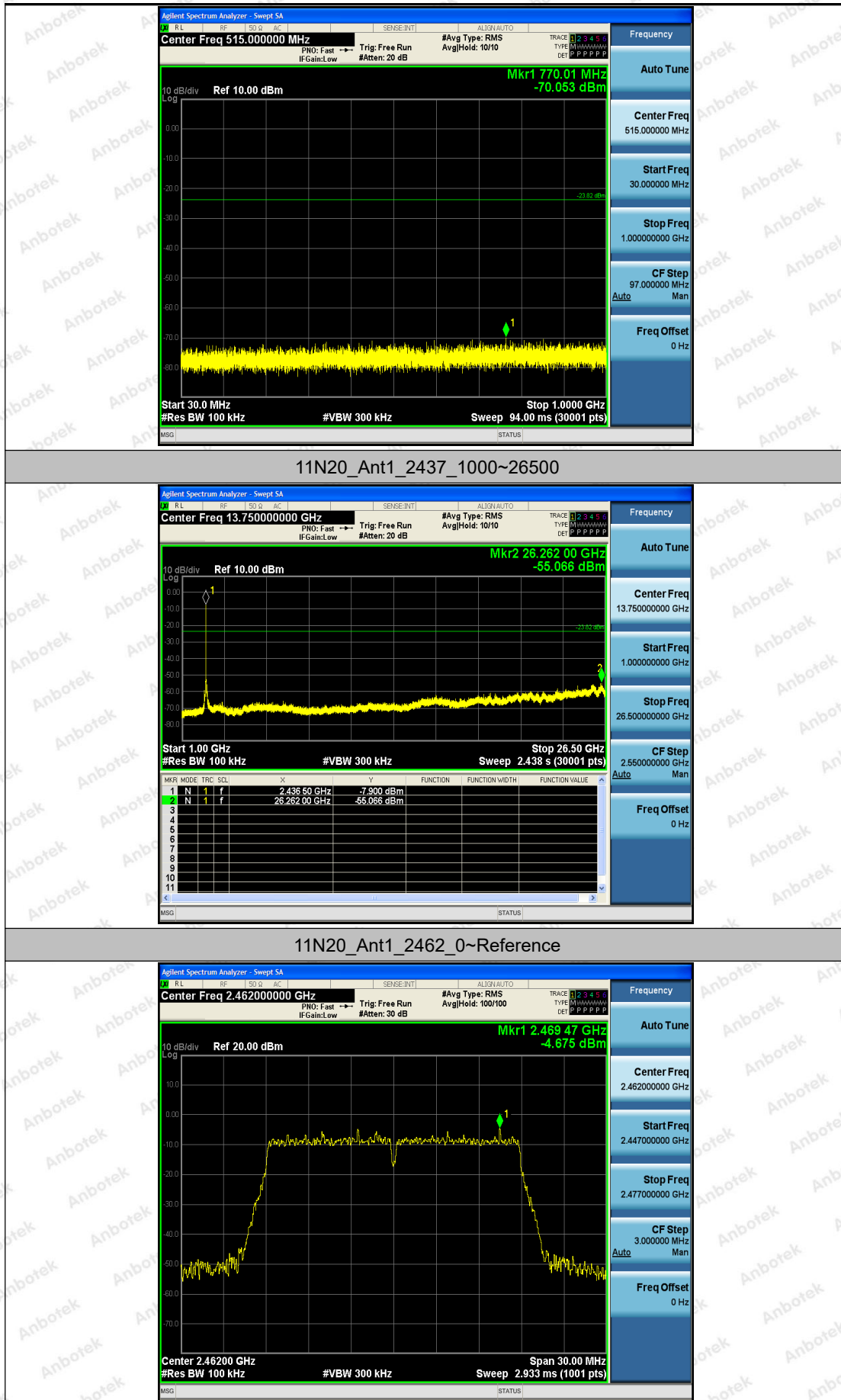


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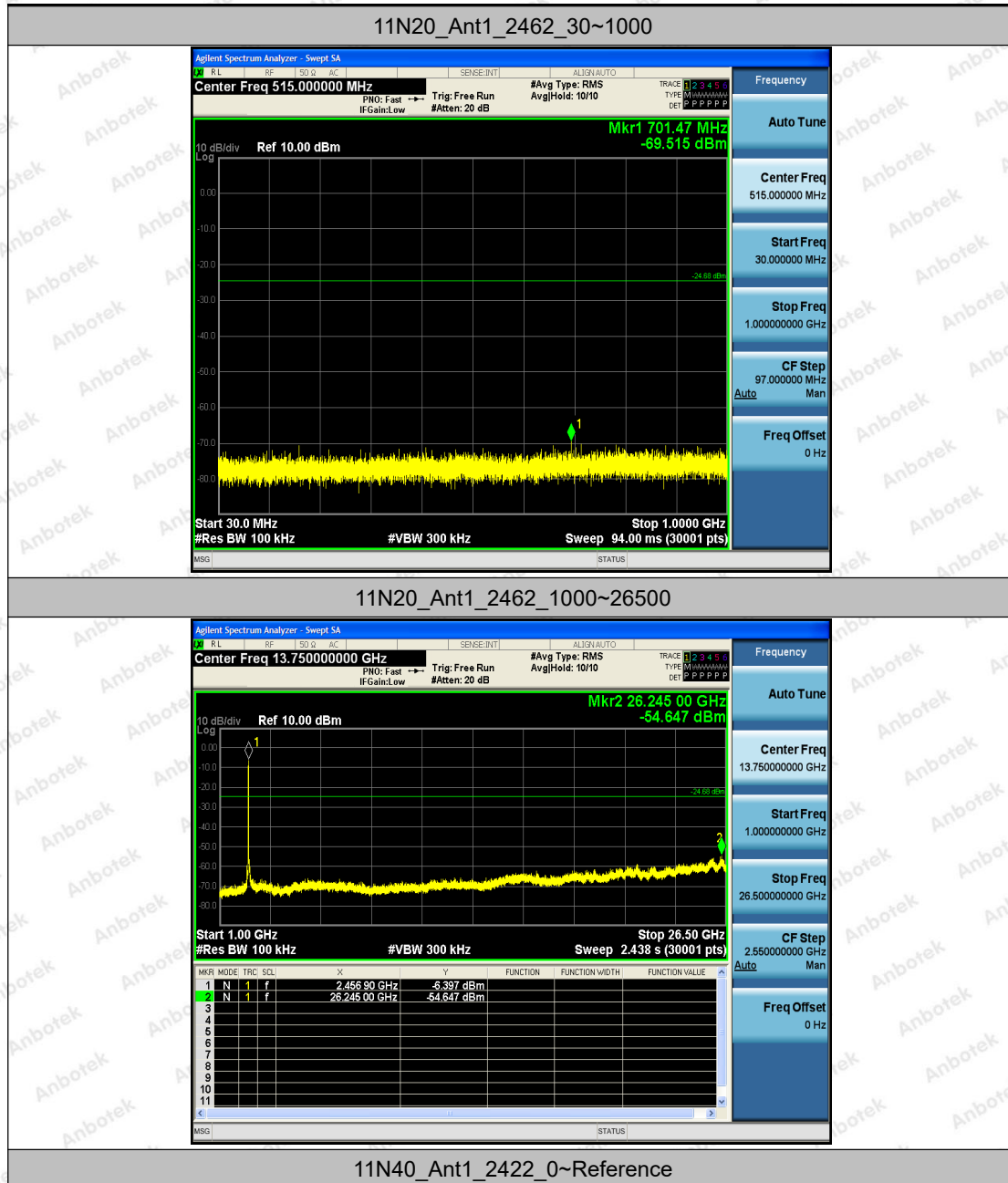


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11N40_Ant1_2422_0~Reference

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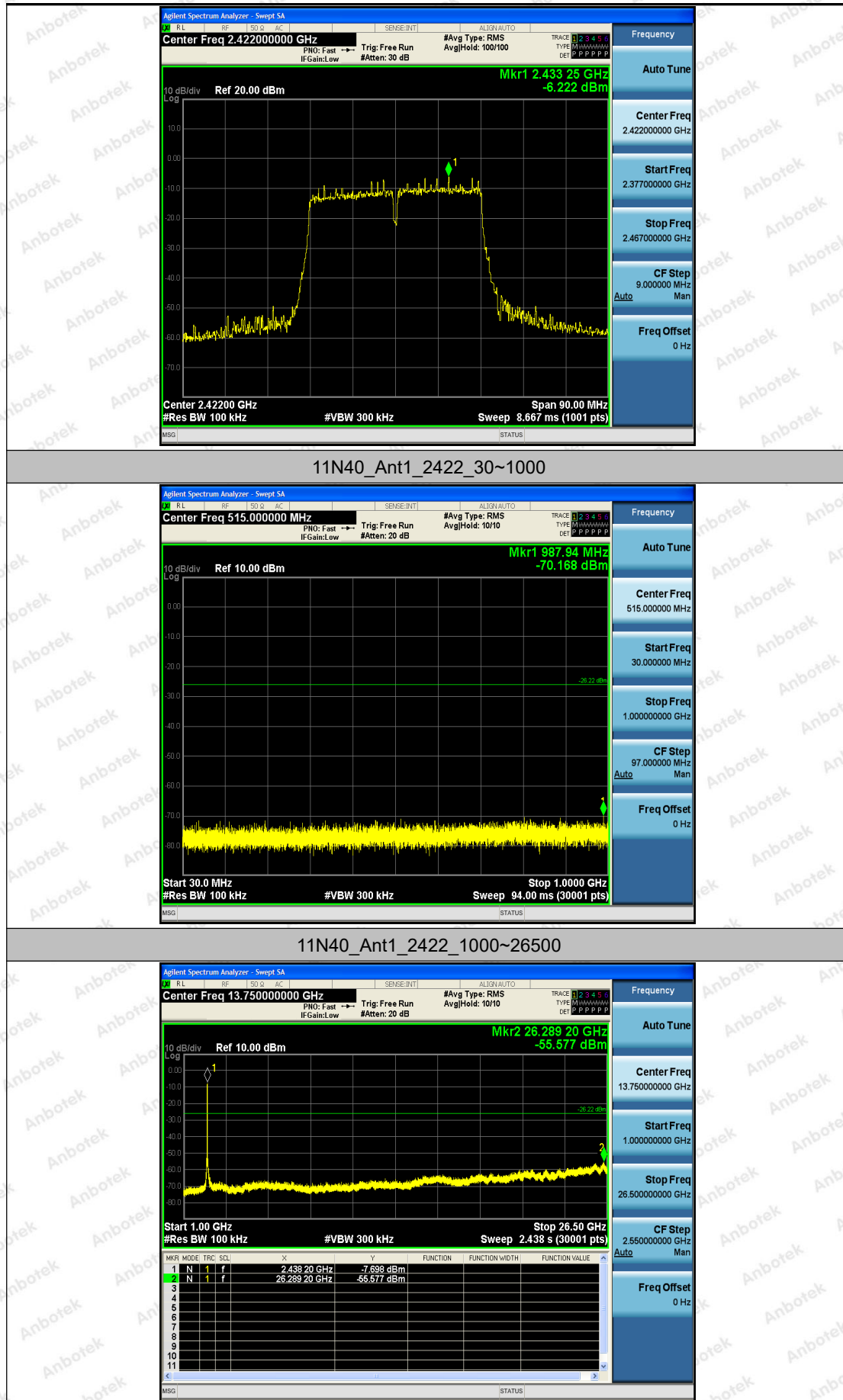
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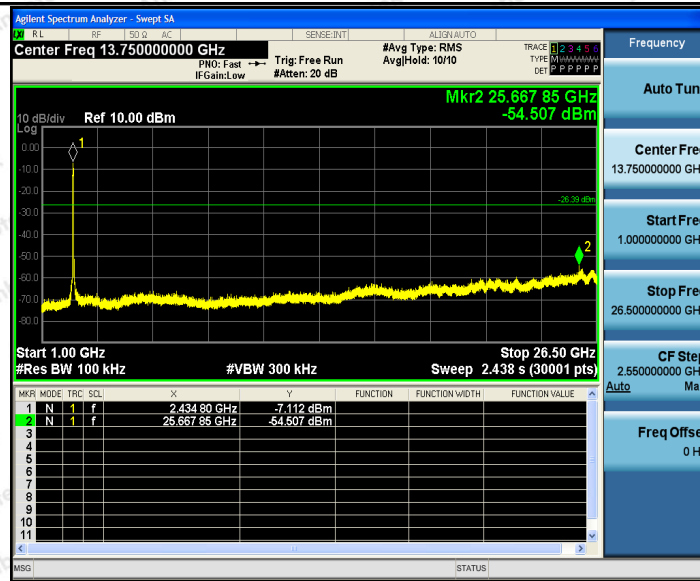


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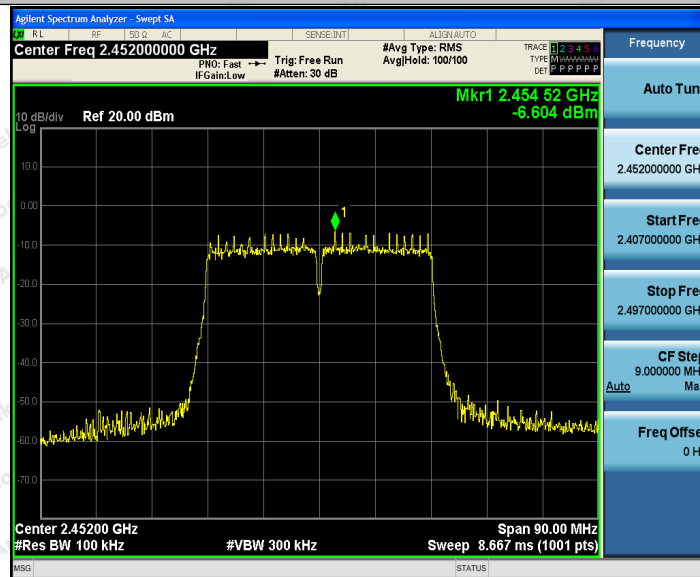
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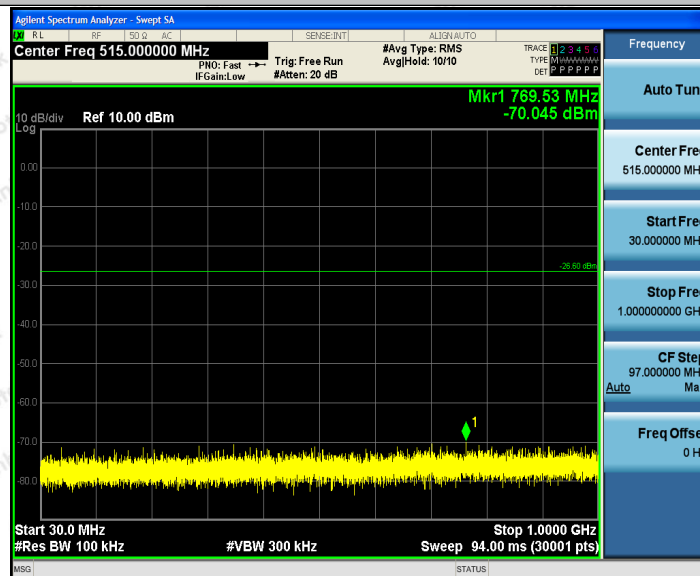
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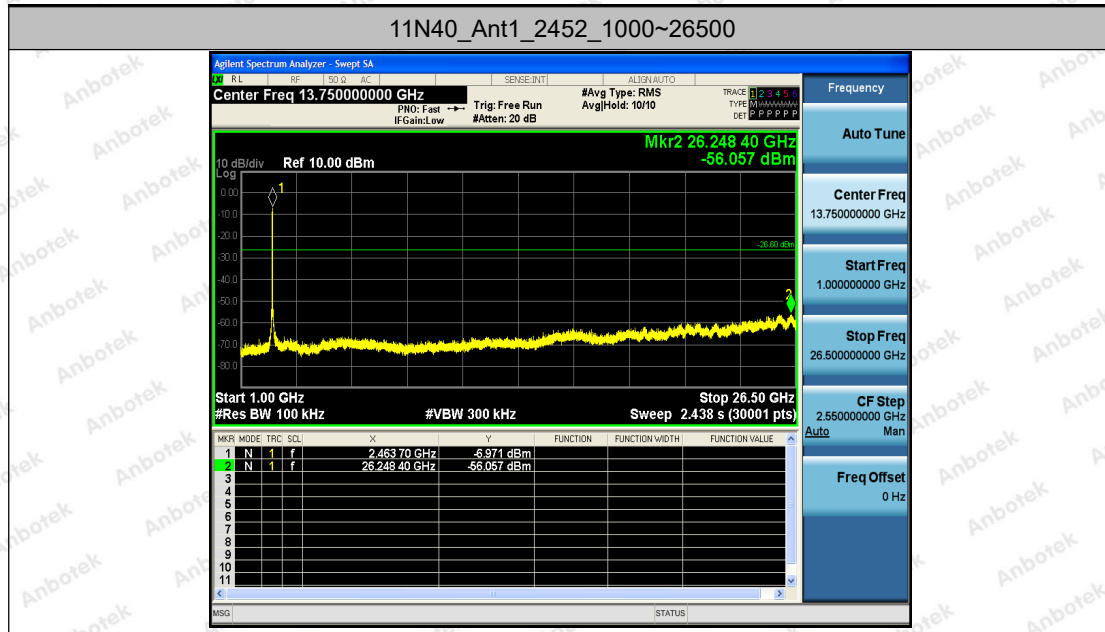


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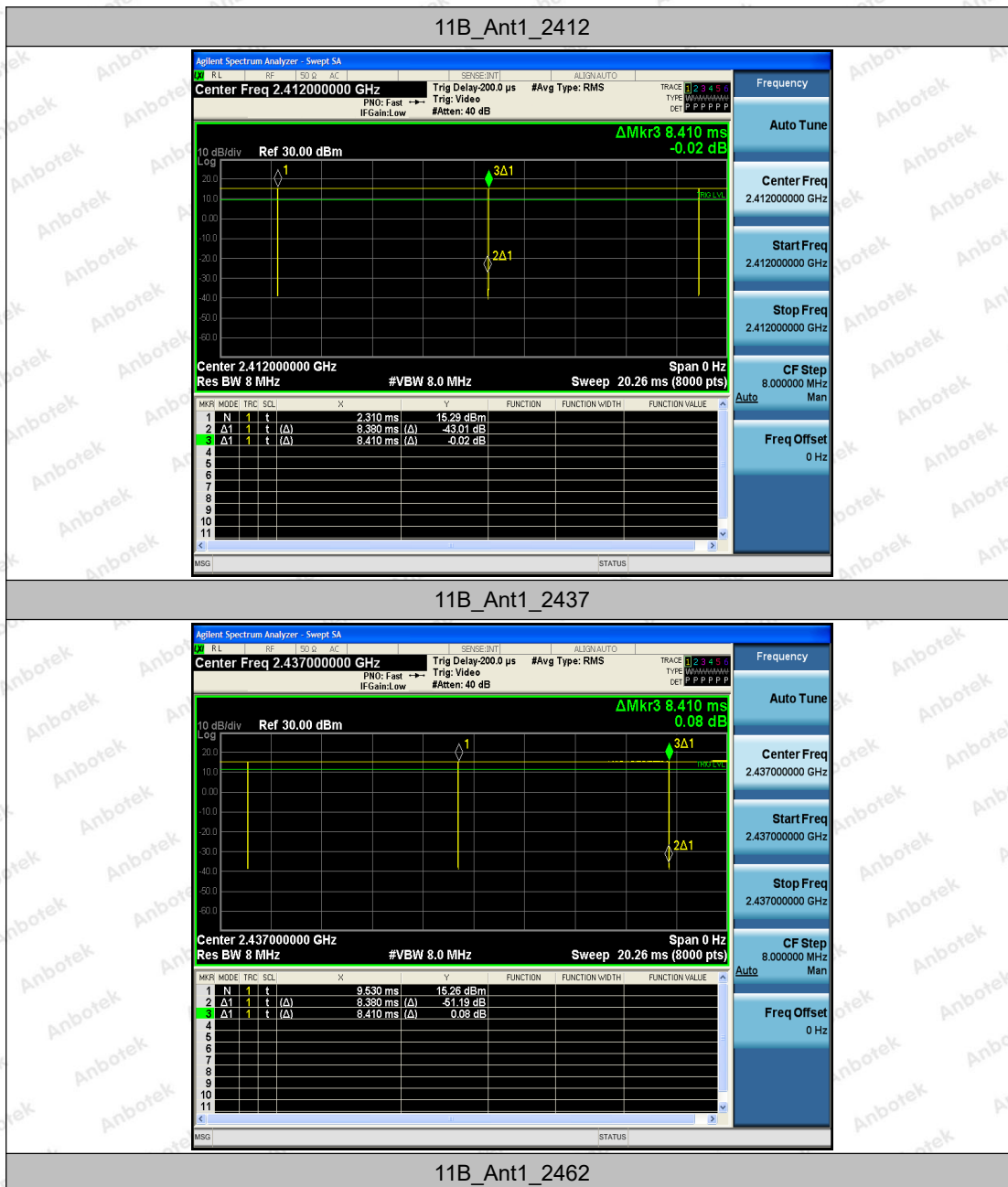
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.39	1.43	97.20	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.34	97.01	---	PASS
11N40	Ant1	2422	0.65	0.68	95.59	---	PASS
		2437	0.64	0.68	94.12	---	PASS
		2452	0.65	0.68	95.59	---	PASS

Test Graphs



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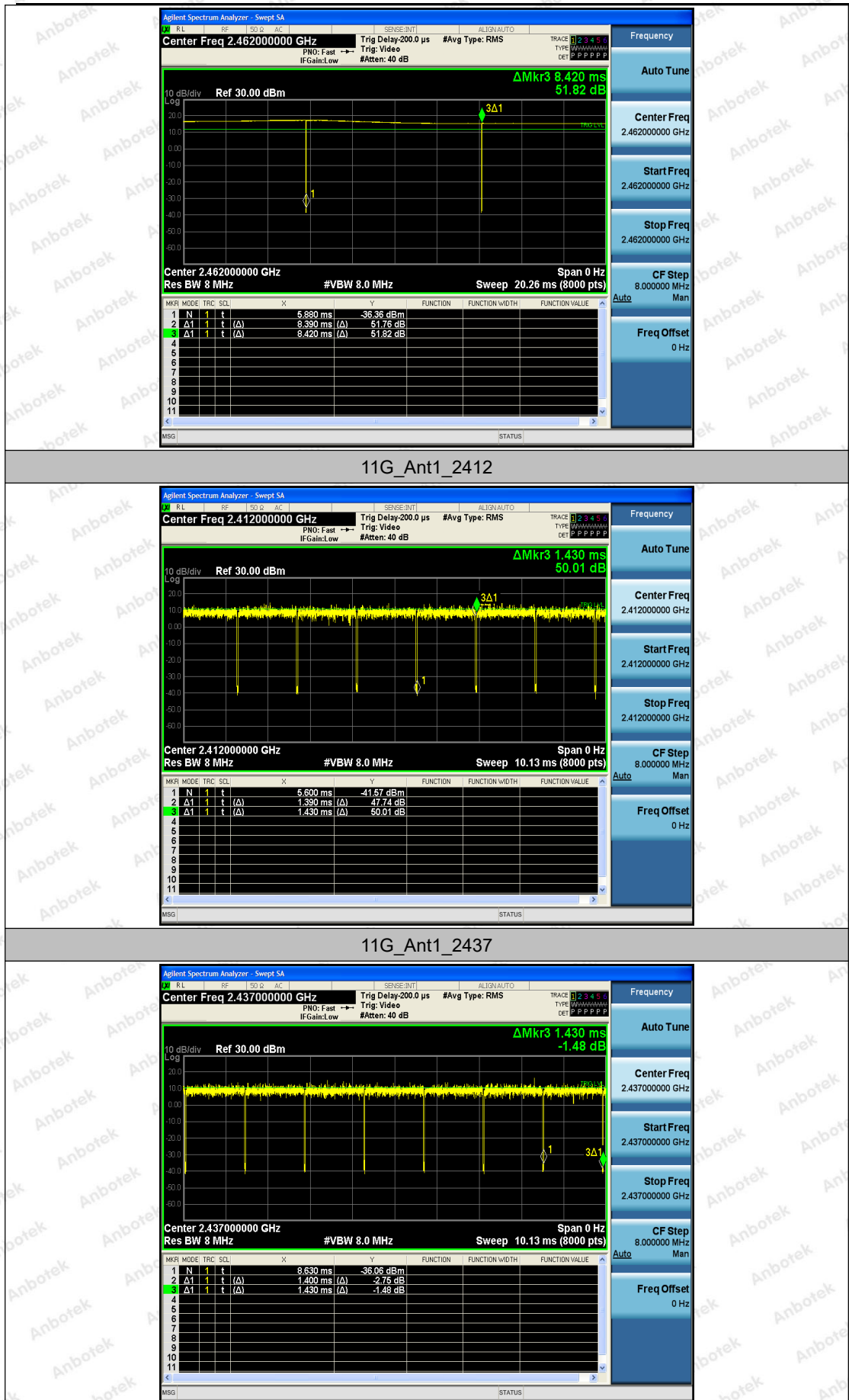
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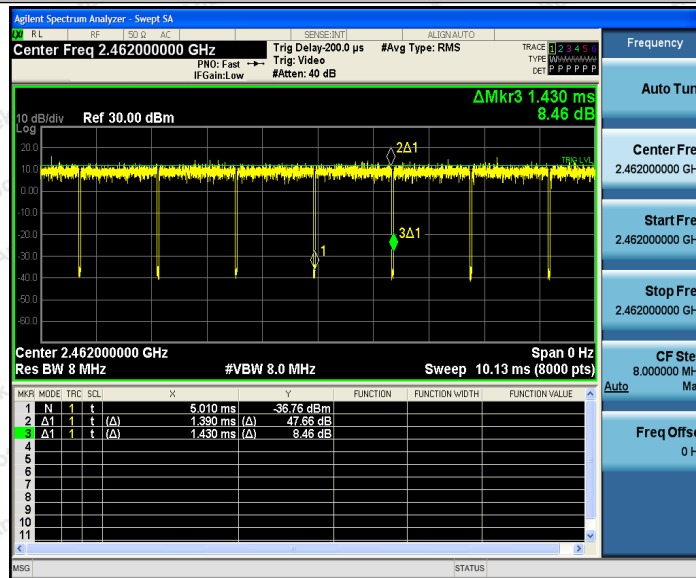
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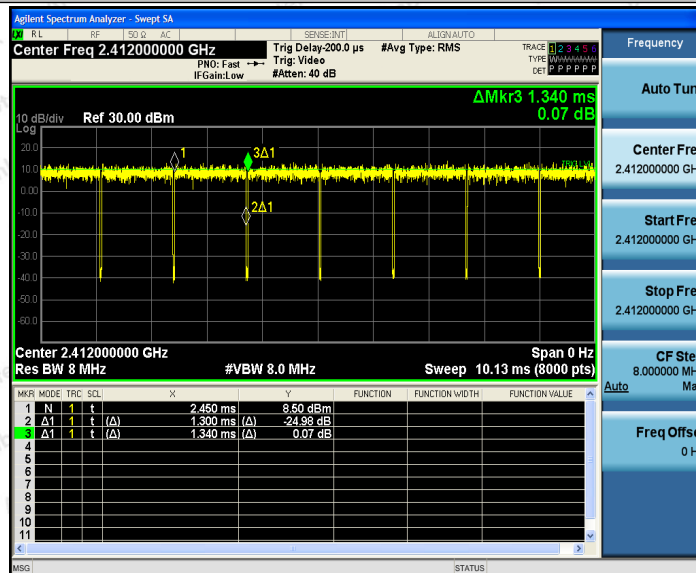
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11G_Ant1_2462



11N20_Ant1_2412



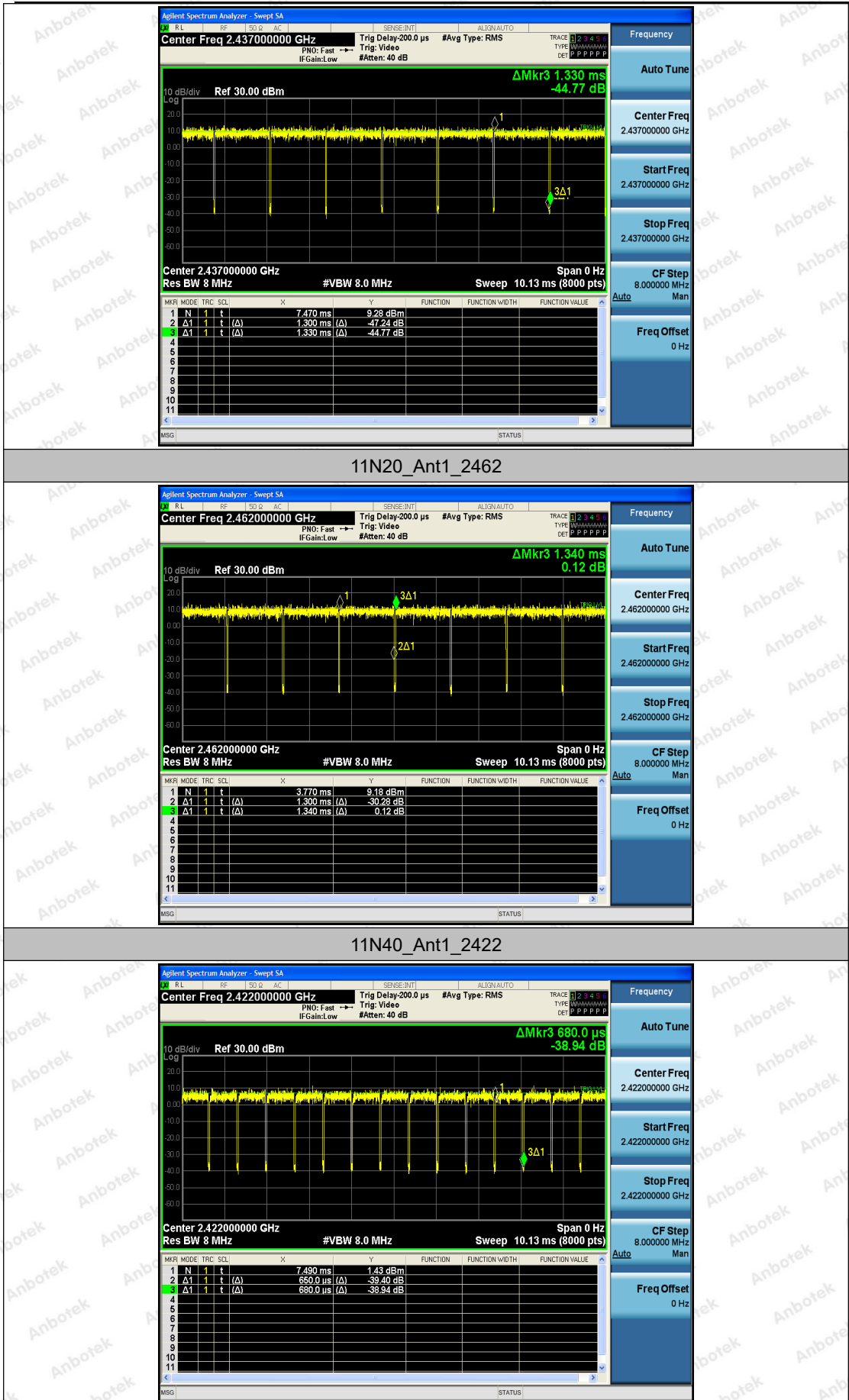
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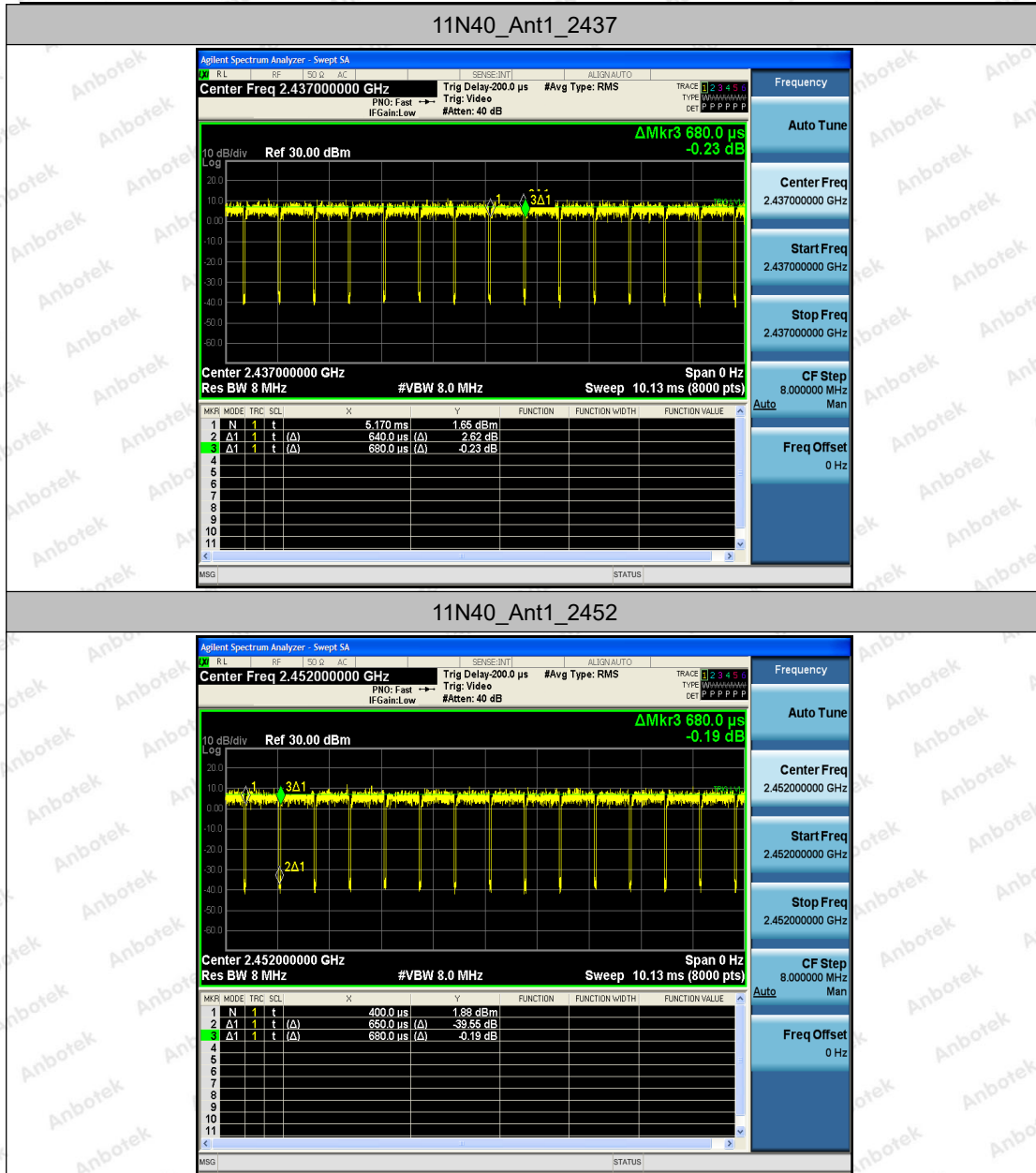


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