

Appendix Test Data

Report No.:	18220WC10203002	Test Date:	2021.9.10
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	56.5 %
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	8.120	2407.960	2416.080	≥0.5	PASS
		2437	8.120	2433.440	2441.560	≥0.5	PASS
		2462	8.600	2457.960	2466.560	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.000	2403.440	2420.440	≥0.5	PASS
		2437	16.720	2429.080	2445.800	≥0.5	PASS
		2462	15.440	2454.360	2469.800	≥0.5	PASS
11N40	Ant1	2422	35.580	2404.360	2439.940	≥0.5	PASS
		2437	35.580	2419.360	2454.940	≥0.5	PASS
		2452	35.220	2434.360	2469.580	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



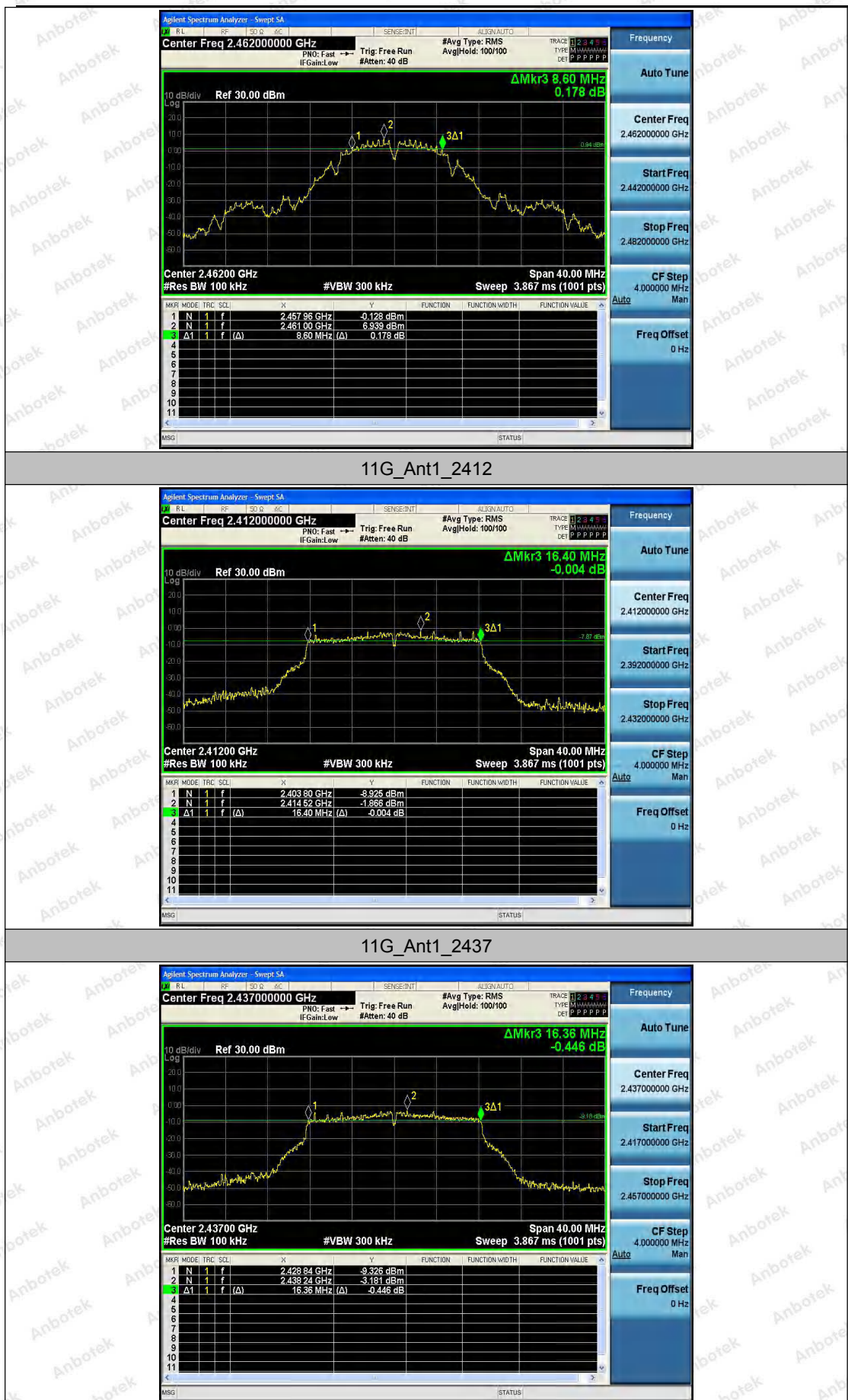
11B_Ant1_2462

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11G_Ant1_2462



11N20_Ant1_2412



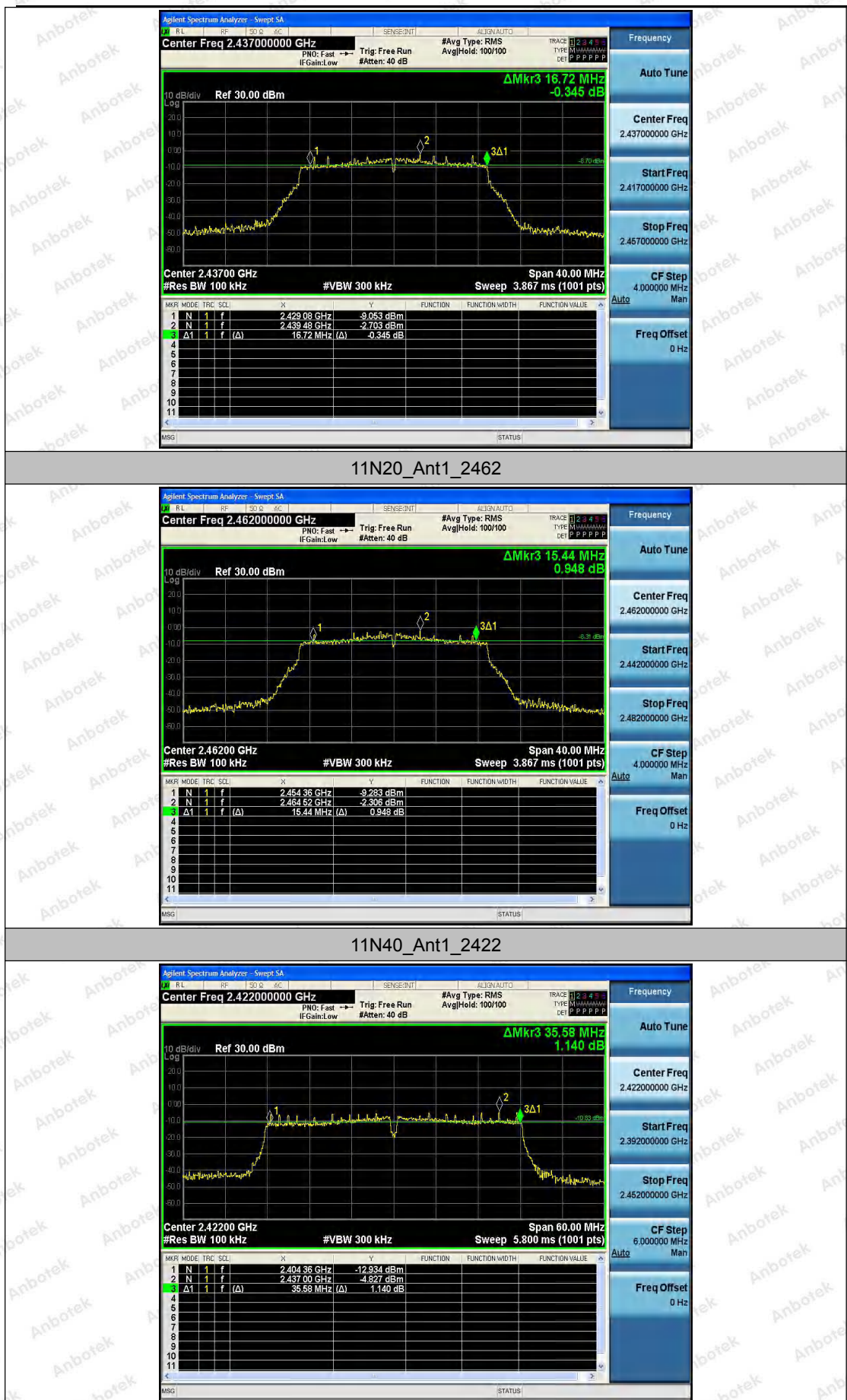
11N20_Ant1_2437

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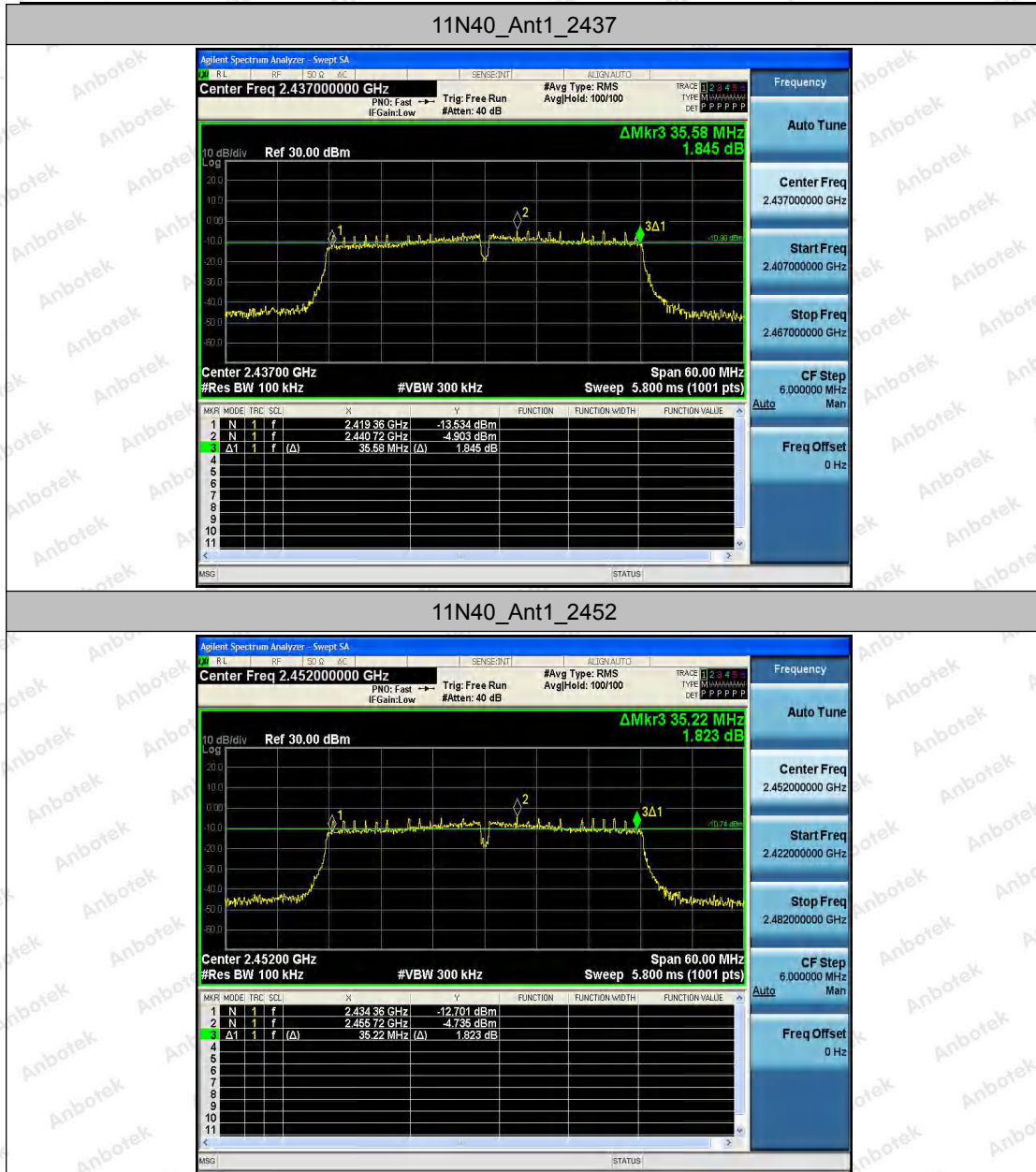


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.131	2405.963	2418.094	---	PASS
		2437	12.080	2431.044	2443.124	---	PASS
		2462	12.173	2455.942	2468.115	---	PASS
11G	Ant1	2412	17.186	2403.373	2420.559	---	PASS
		2437	17.158	2428.419	2445.577	---	PASS
		2462	16.974	2453.488	2470.462	---	PASS
11N20	Ant1	2412	18.094	2402.990	2421.084	---	PASS
		2437	18.185	2427.997	2446.182	---	PASS
		2462	18.018	2453.004	2471.022	---	PASS
11N40	Ant1	2422	36.169	2404.009	2440.178	---	PASS
		2437	36.111	2419.029	2455.140	---	PASS
		2452	36.085	2433.986	2470.071	---	PASS

Test Graphs

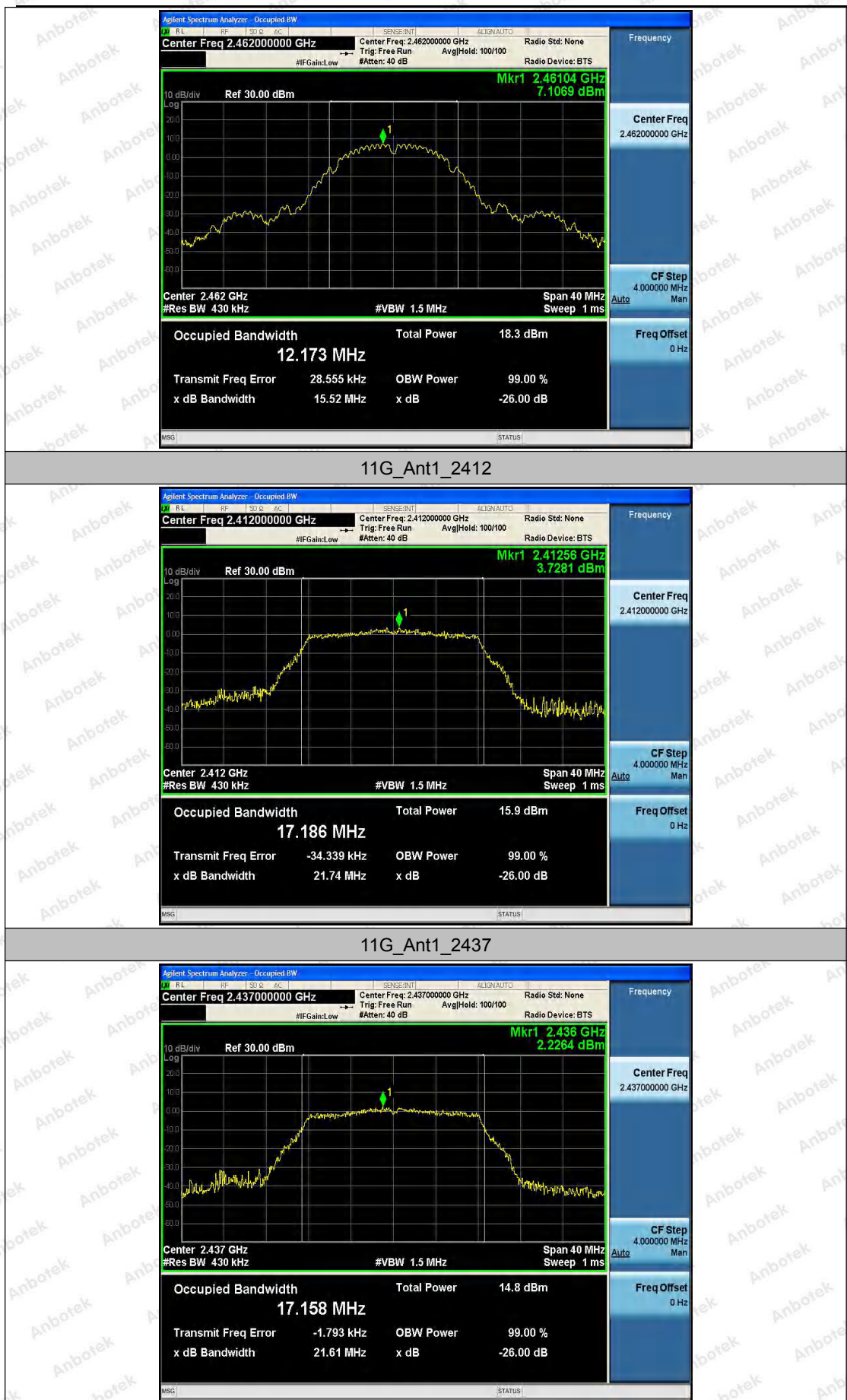


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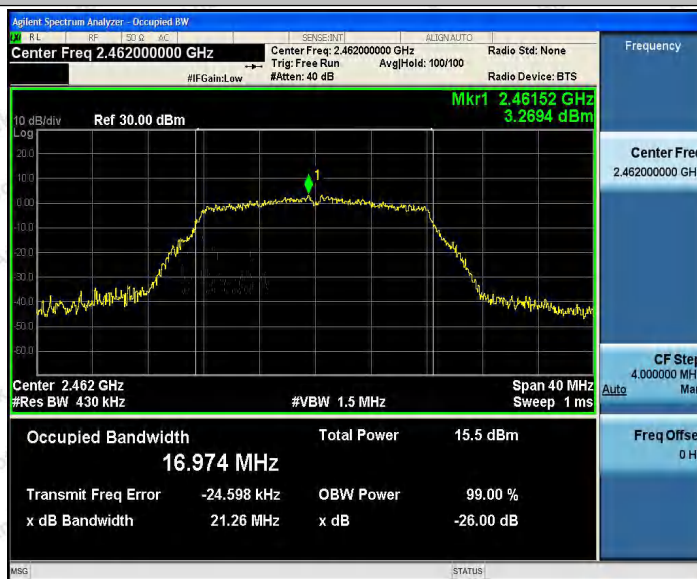
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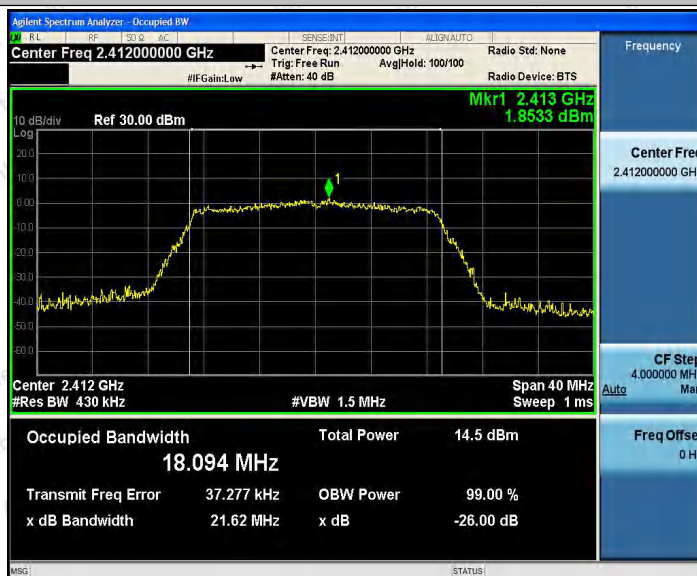
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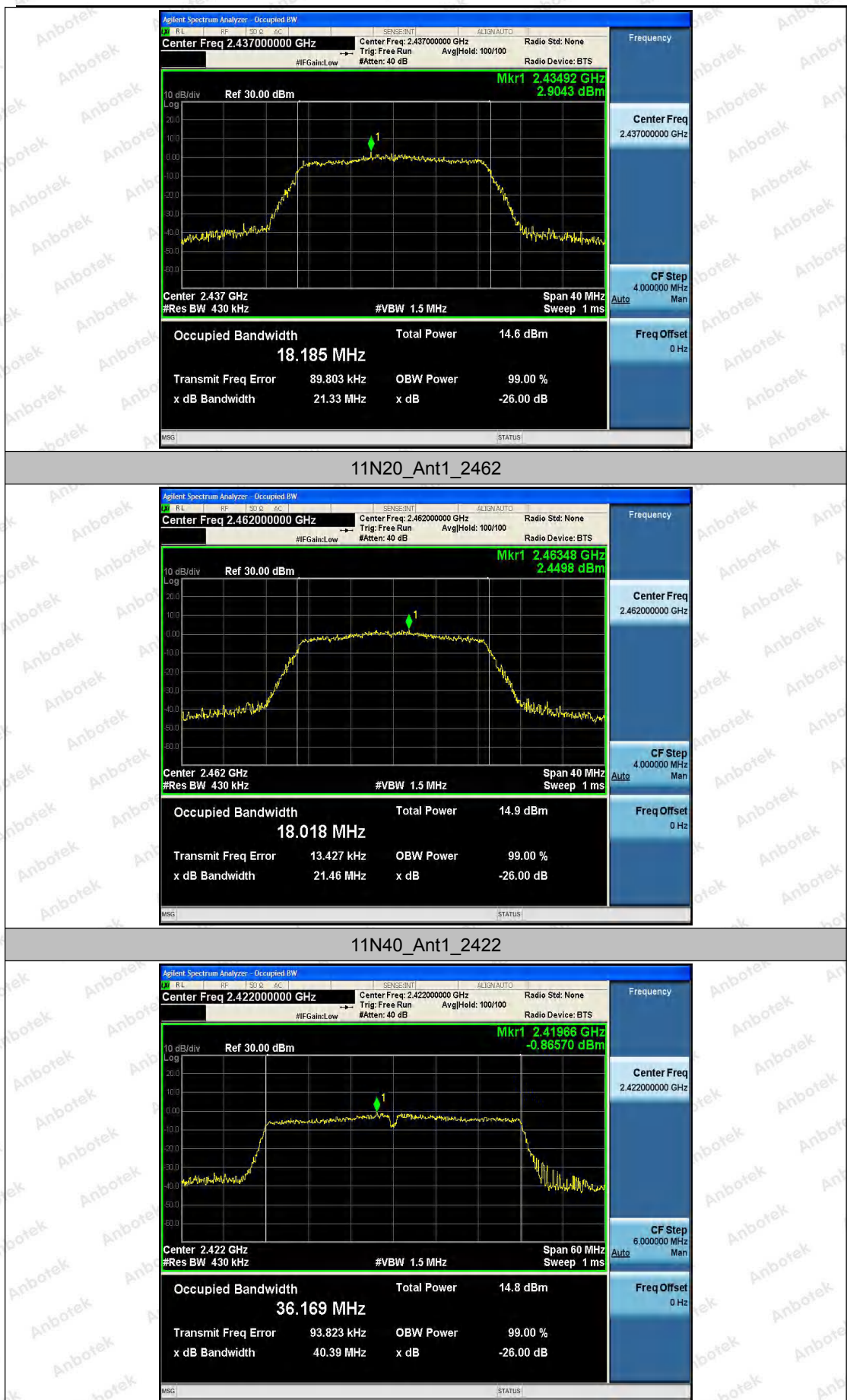
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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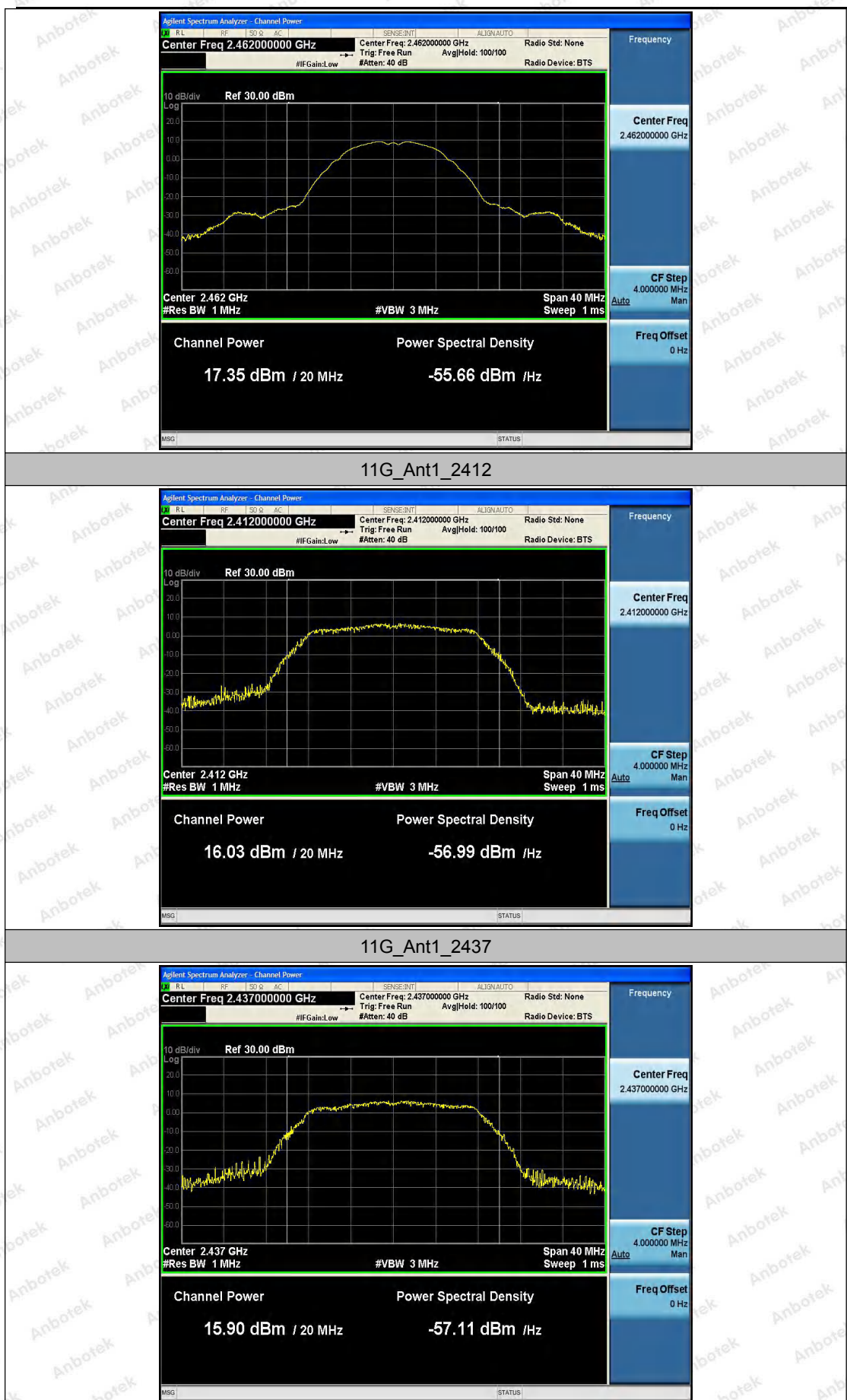
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.42	≤30	PASS
		2437	17.61	≤30	PASS
		2462	17.35	≤30	PASS
11G	Ant1	2412	16.03	≤30	PASS
		2437	15.90	≤30	PASS
		2462	16.67	≤30	PASS
11N20	Ant1	2412	15.59	≤30	PASS
		2437	15.02	≤30	PASS
		2462	15.31	≤30	PASS
11N40	Ant1	2422	14.04	≤30	PASS
		2437	14.49	≤30	PASS
		2452	14.78	≤30	PASS

Test Graphs





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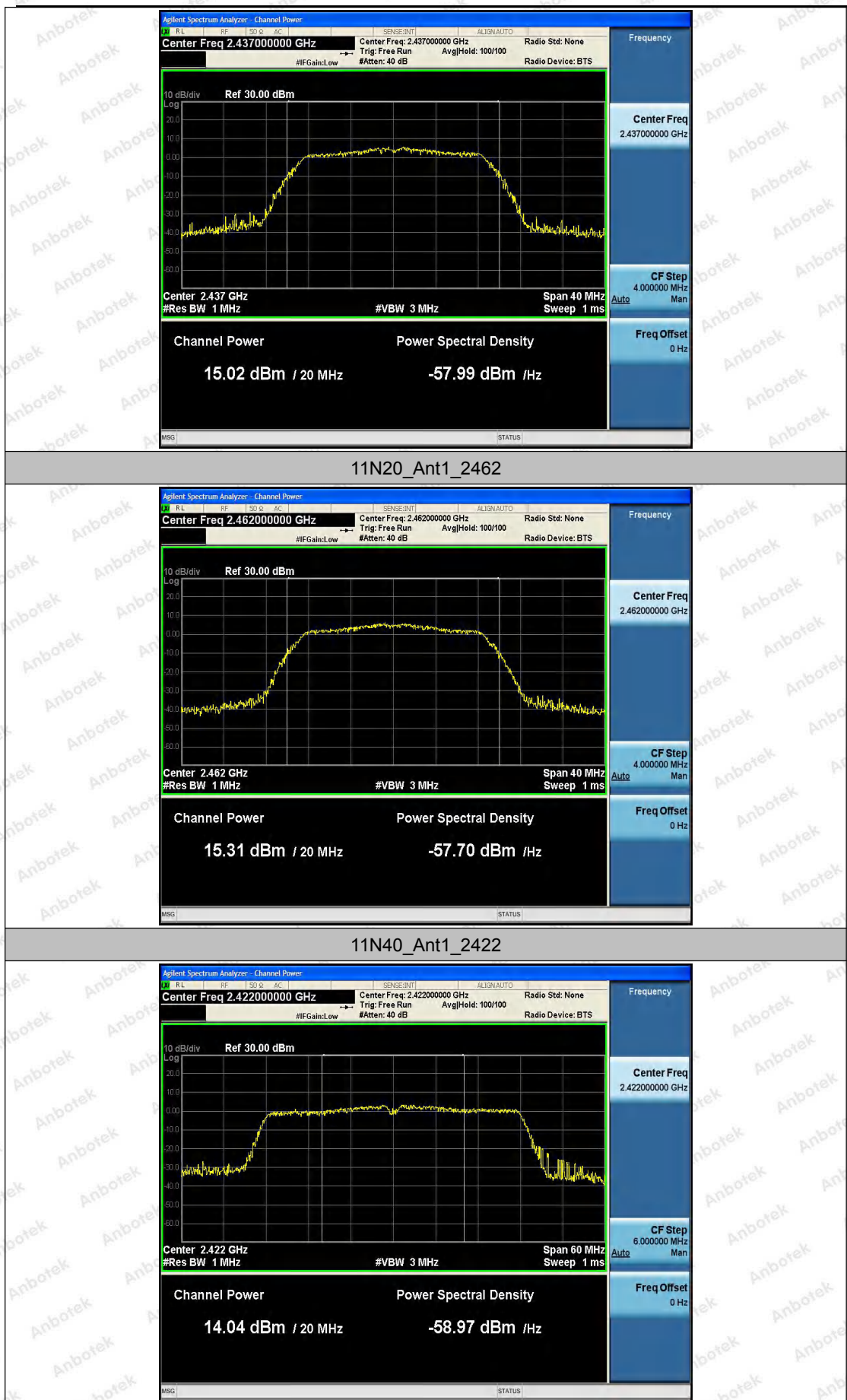
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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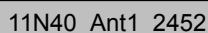
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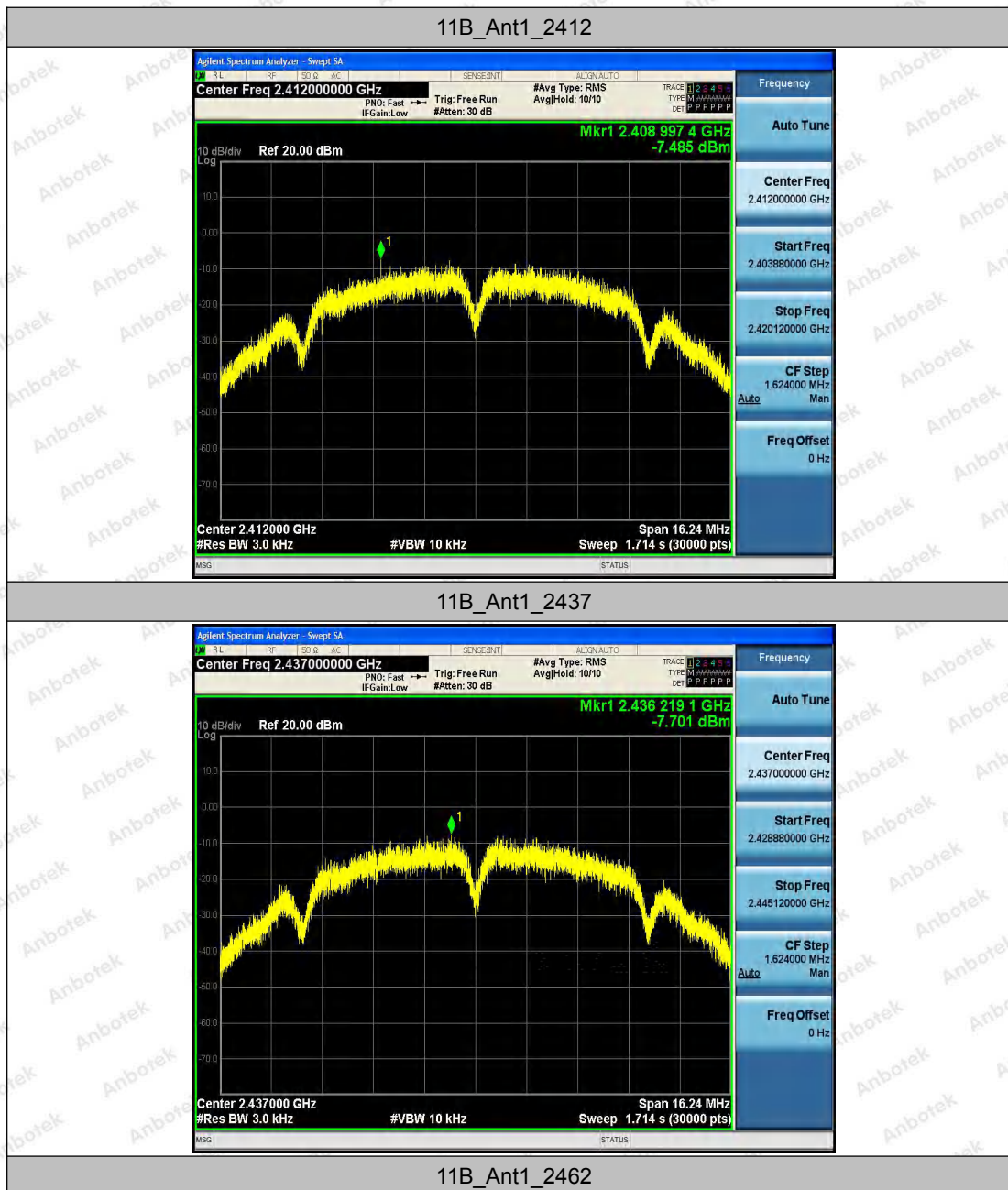


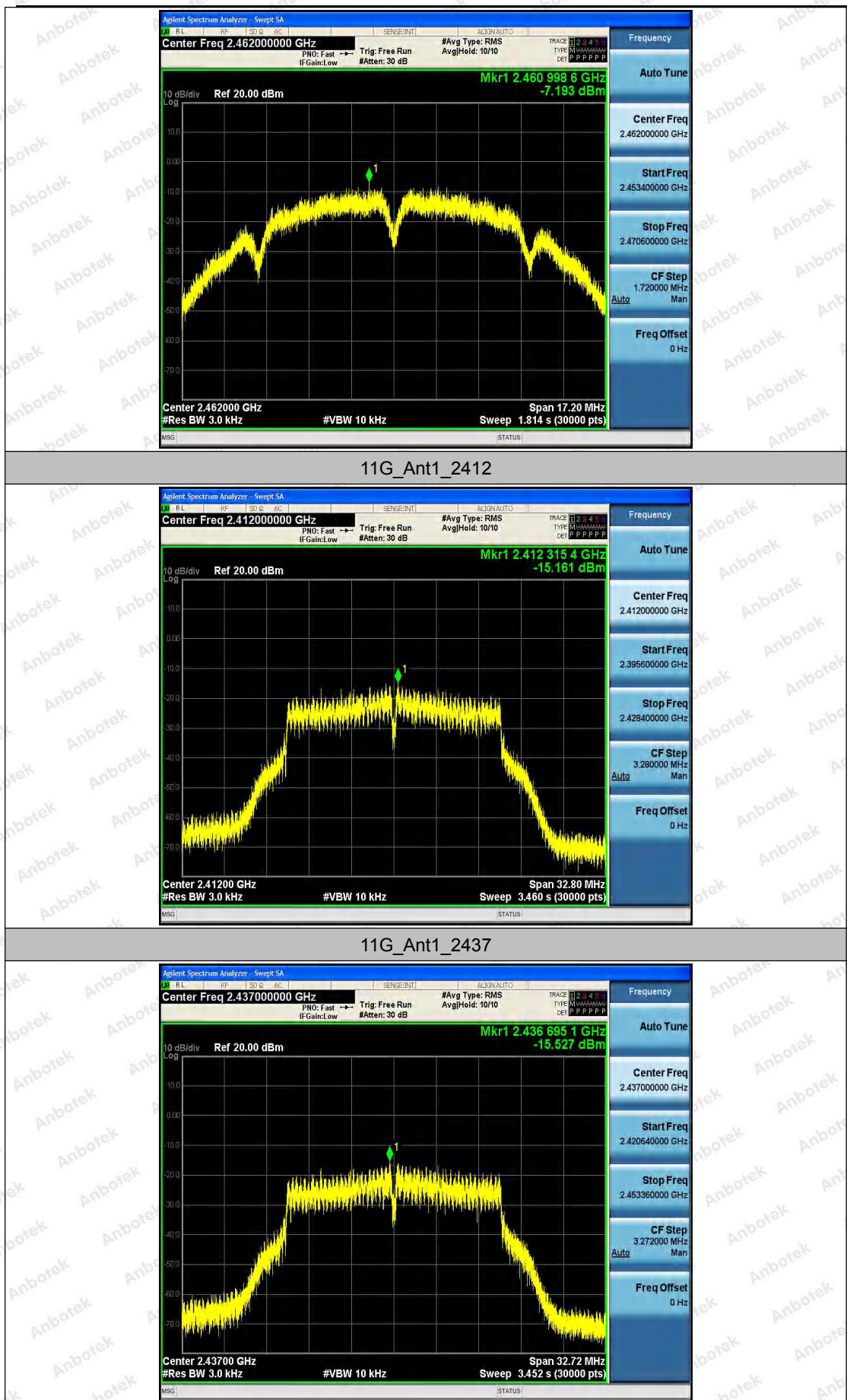
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.49	≤8	PASS
		2437	-7.7	≤8	PASS
		2462	-7.19	≤8	PASS
11G	Ant1	2412	-15.16	≤8	PASS
		2437	-15.53	≤8	PASS
		2462	-13.59	≤8	PASS
11N20	Ant1	2412	-15.5	≤8	PASS
		2437	-15.5	≤8	PASS
		2462	-15.24	≤8	PASS
11N40	Ant1	2422	-17.71	≤8	PASS
		2437	-17.21	≤8	PASS
		2452	-17.56	≤8	PASS

Test Graphs



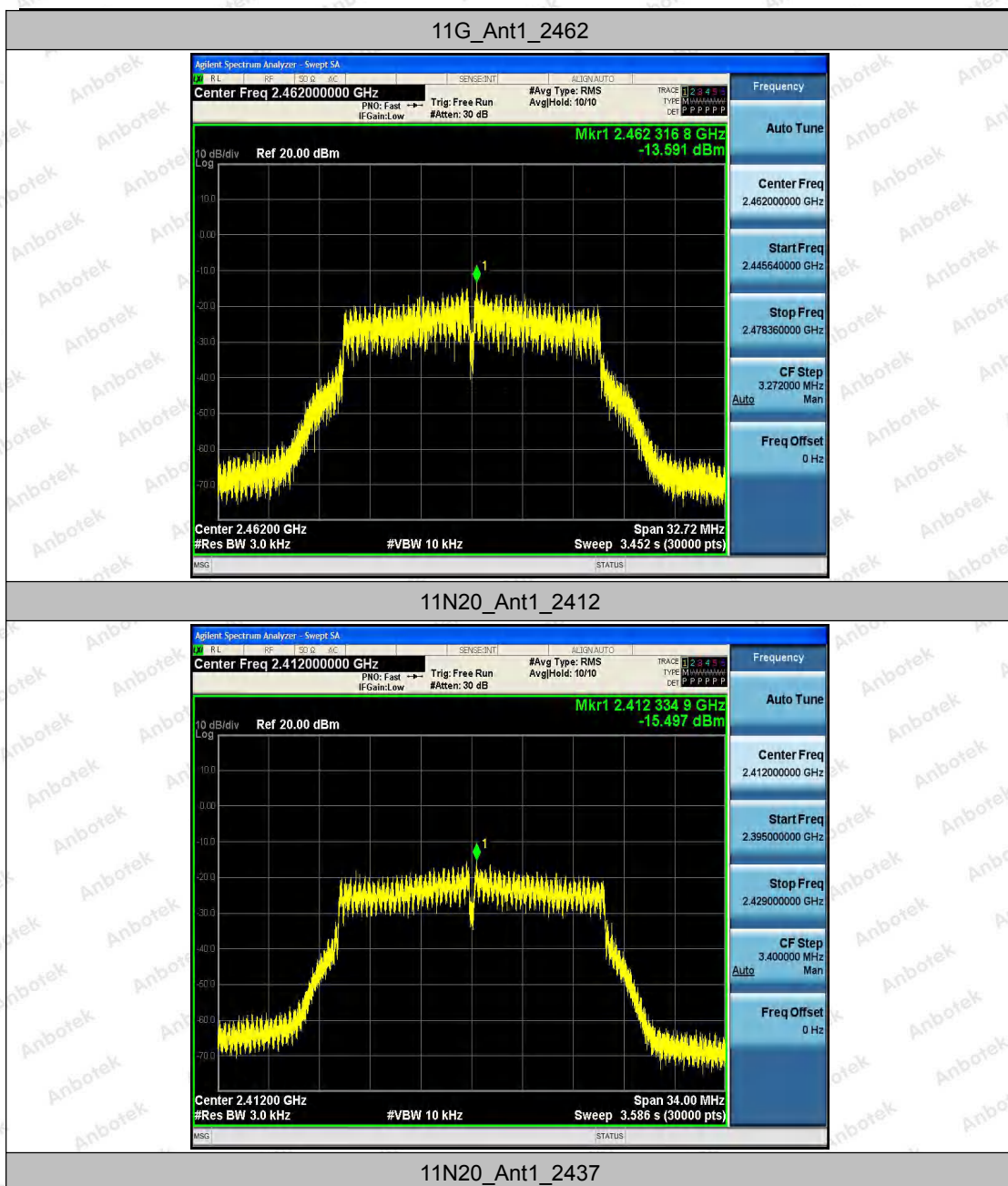


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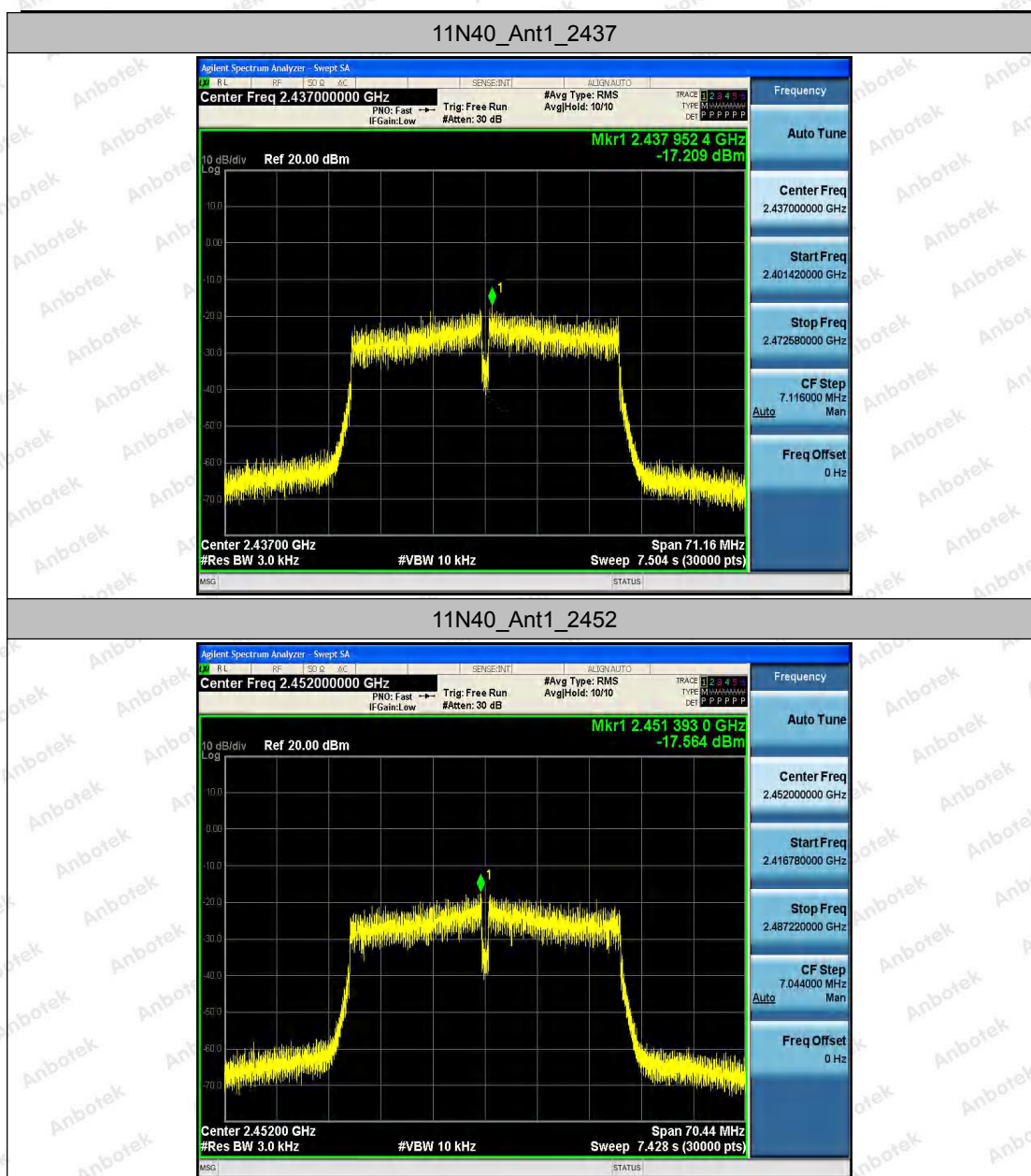


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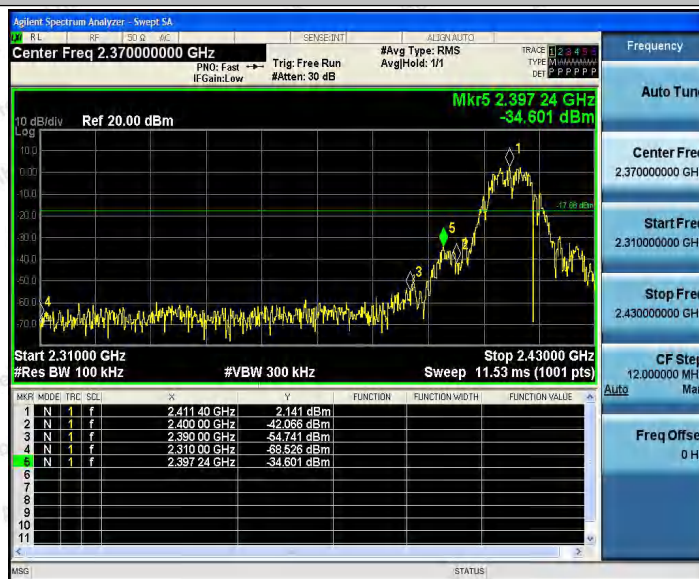
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.14	-34.6	≤-17.86	PASS
		High	2462	3.42	-52.96	≤-16.58	PASS
11G	Ant1	Low	2412	-5.81	-46.7	≤-25.81	PASS
		High	2462	-5.31	-55.48	≤-25.31	PASS
11N20	Ant1	Low	2412	-4.76	-44.51	≤-24.76	PASS
		High	2462	-6.01	-57.81	≤-26.01	PASS
11N40	Ant1	Low	2422	-6.84	-41.38	≤-26.84	PASS
		High	2452	-6.87	-49.31	≤-26.87	PASS

Test Graphs

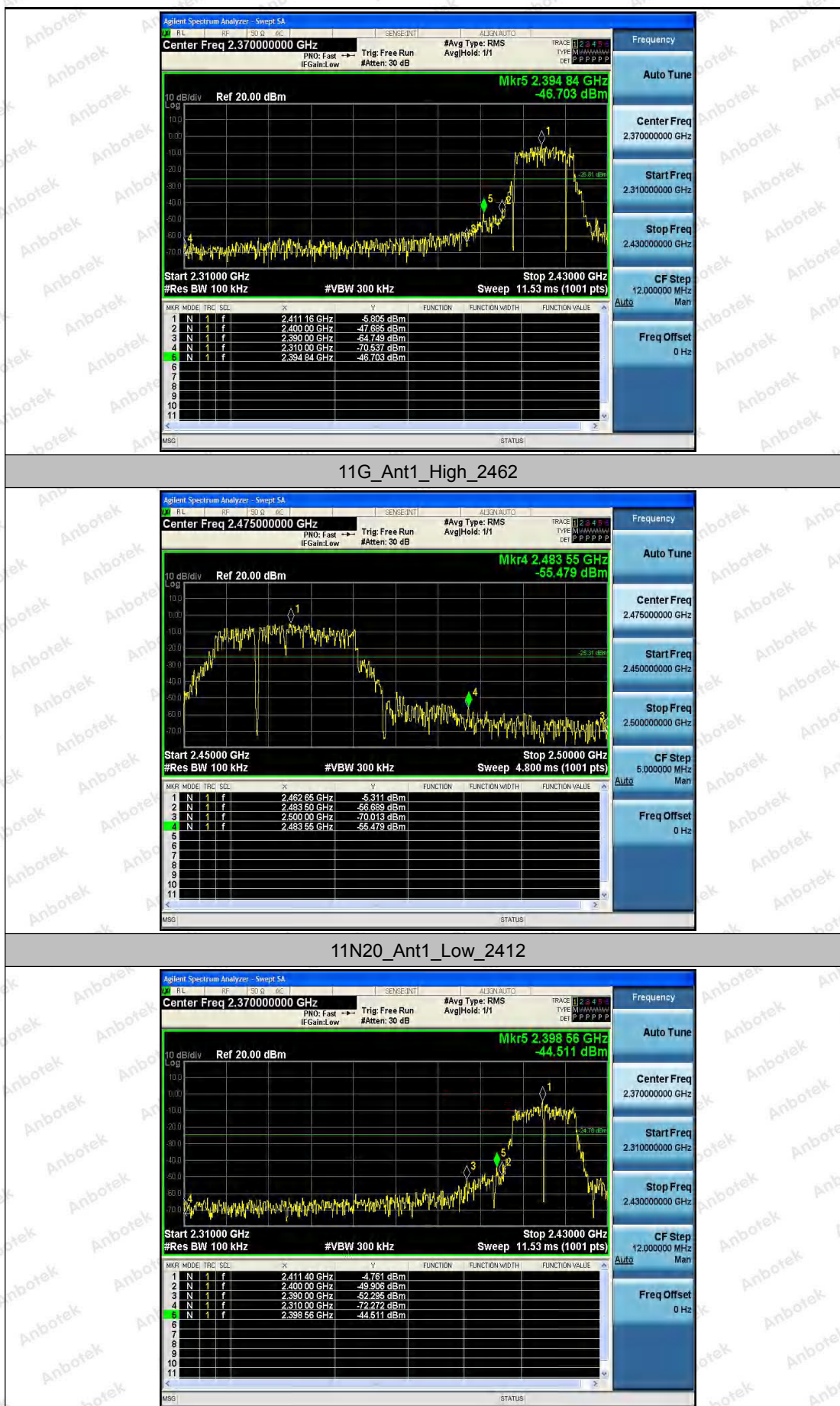
11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



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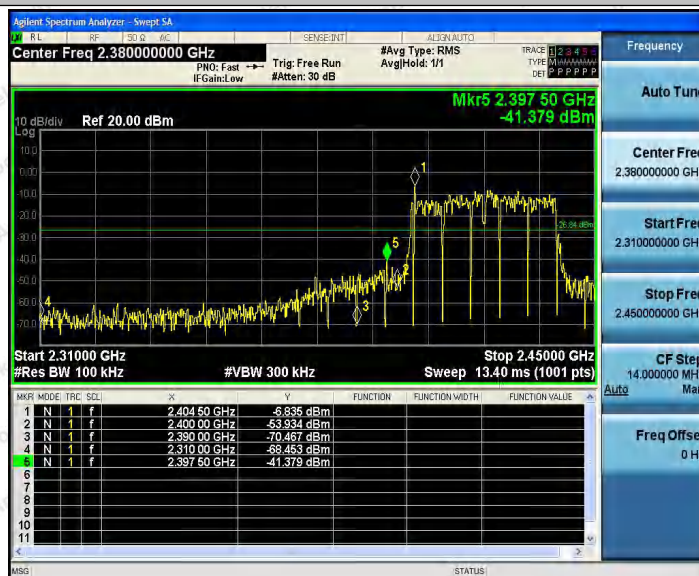
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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



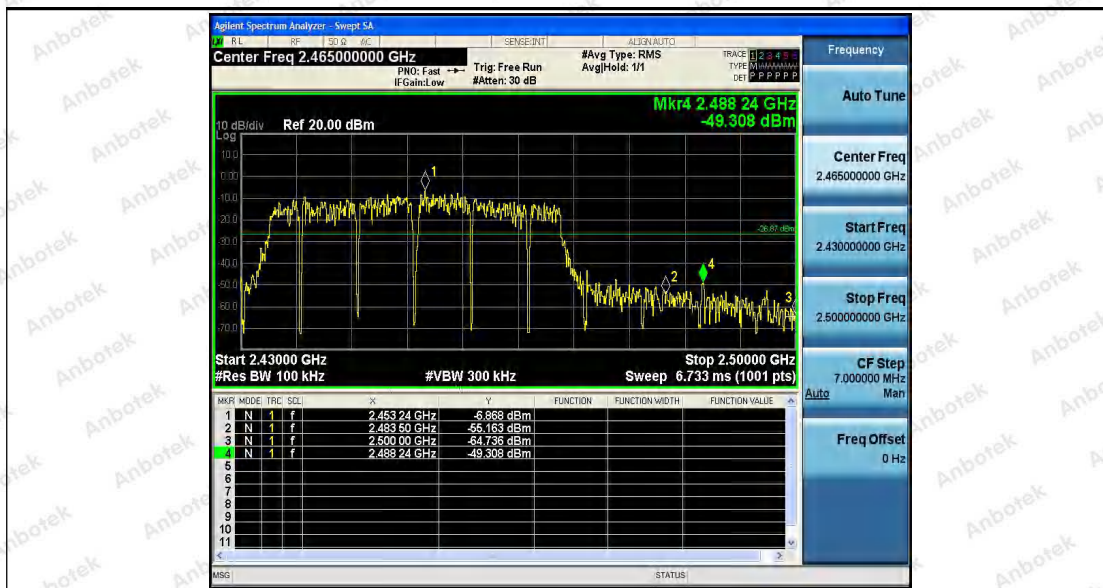
11N40_Ant1_High_2452

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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	5.89	5.89	---	PASS
			30~1000	5.89	-69.75	≤-14.11	PASS
			1000~26500	5.89	-53.33	≤-14.11	PASS
		2437	Reference	5.91	5.91	---	PASS
			30~1000	5.91	-70.36	≤-14.09	PASS
			1000~26500	5.91	-55.39	≤-14.09	PASS
		2462	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-69.99	≤-13.05	PASS
			1000~26500	6.95	-55.39	≤-13.05	PASS
11G	Ant1	2412	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-70.61	≤-22.87	PASS
			1000~26500	-2.87	-53.63	≤-22.87	PASS
		2437	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-69.69	≤-22.87	PASS
			1000~26500	-2.87	-55.28	≤-22.87	PASS
		2462	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-70.77	≤-21.97	PASS
			1000~26500	-1.97	-55.25	≤-21.97	PASS
11N20	Ant1	2412	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-70.65	≤-23.11	PASS
			1000~26500	-3.11	-55.17	≤-23.11	PASS
		2437	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-69.45	≤-22.88	PASS
			1000~26500	-2.88	-55.82	≤-22.88	PASS
		2462	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-70.34	≤-22.64	PASS
			1000~26500	-2.64	-55.75	≤-22.64	PASS
11N40	Ant1	2422	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-70.42	≤-25.01	PASS
			1000~26500	-5.01	-54.98	≤-25.01	PASS
		2437	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-70.28	≤-24.6	PASS
			1000~26500	-4.60	-54.96	≤-24.6	PASS
		2452	Reference	-4.73	-4.73	---	PASS
			30~1000	-4.73	-69.31	≤-24.73	PASS
			1000~26500	-4.73	-54.87	≤-24.73	PASS

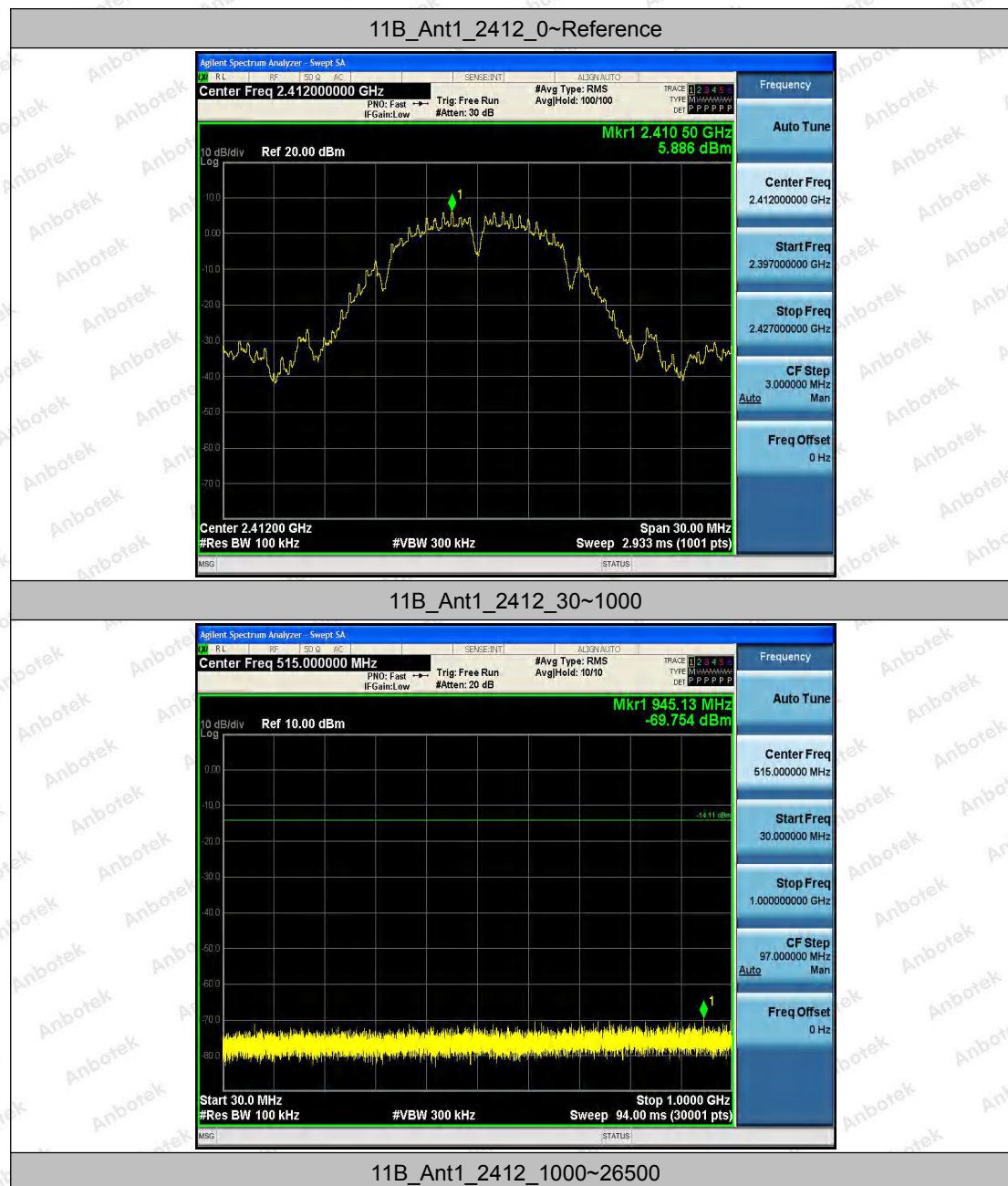
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Test Graphs

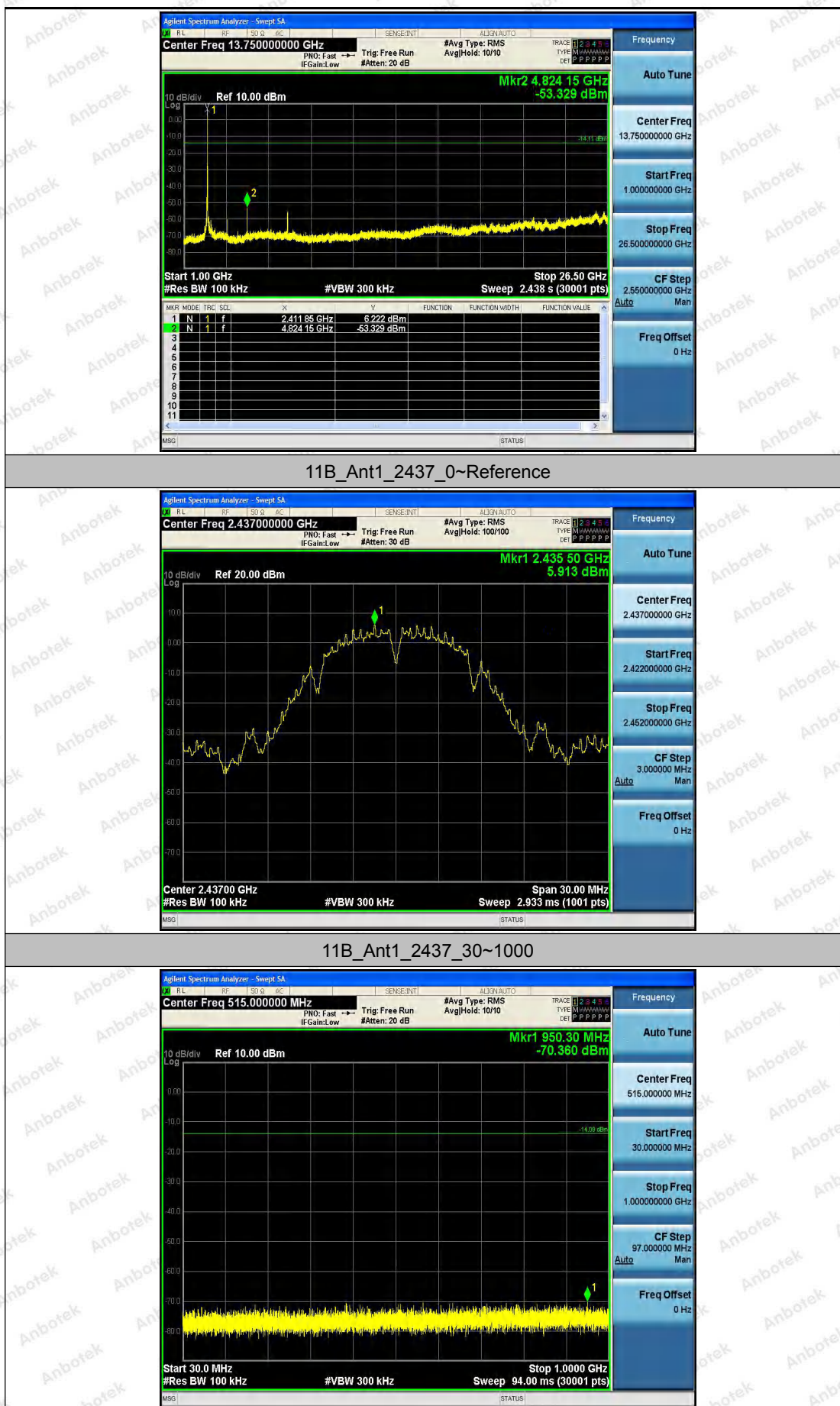


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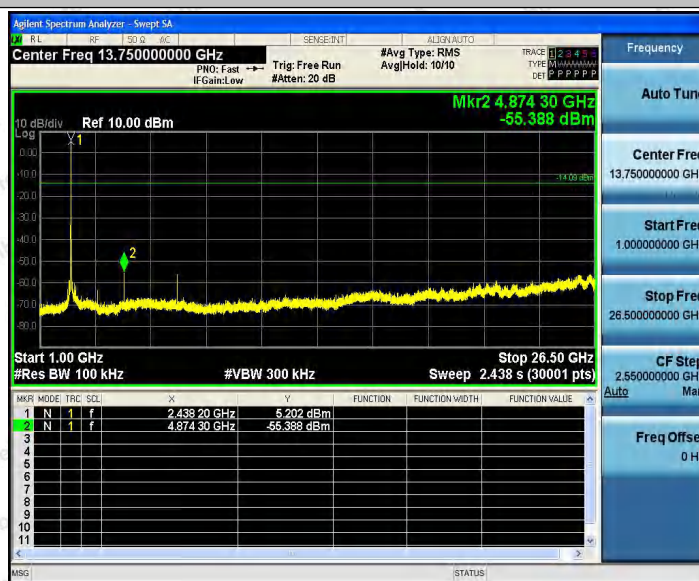
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



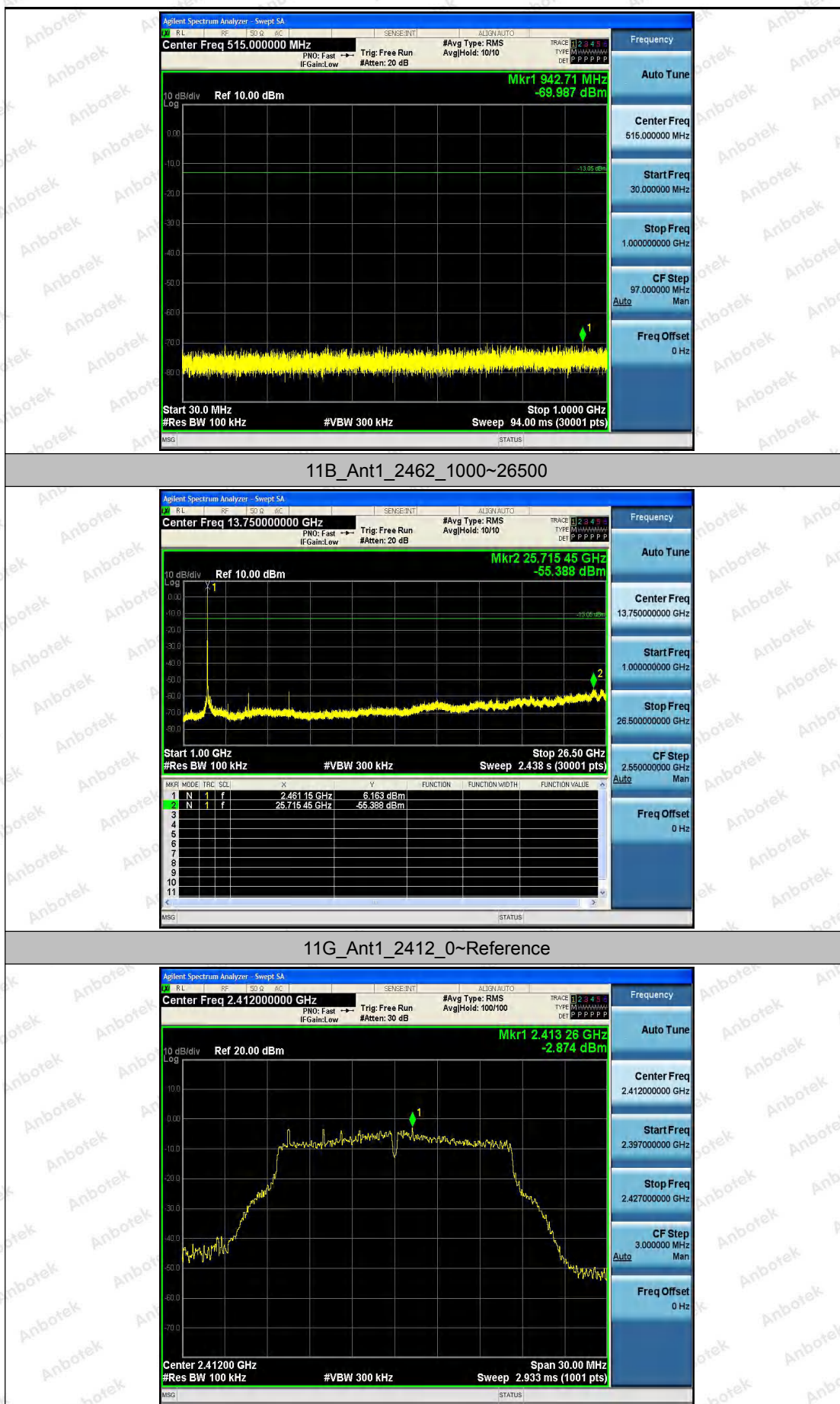
11B_Ant1_2462_30~1000

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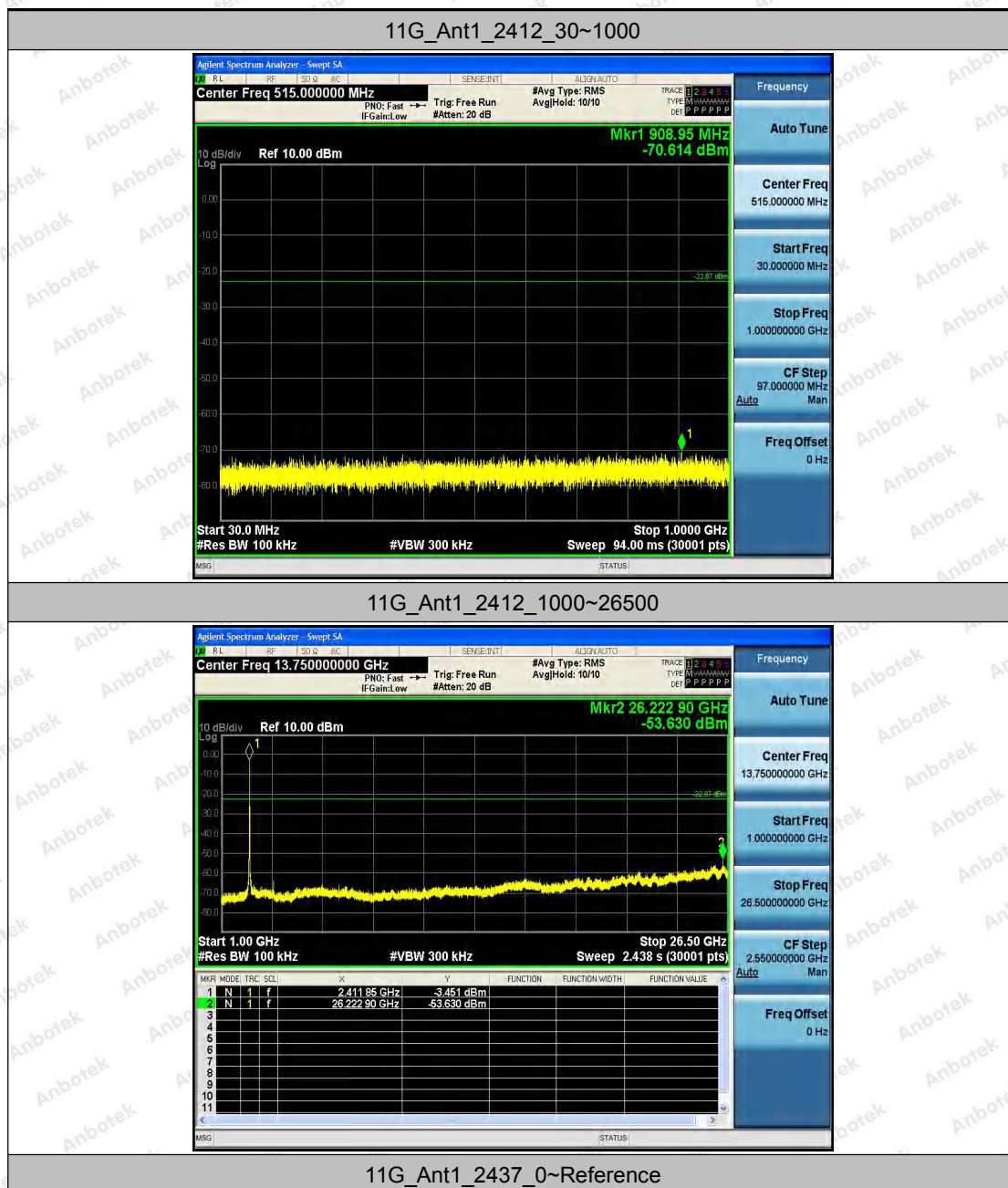
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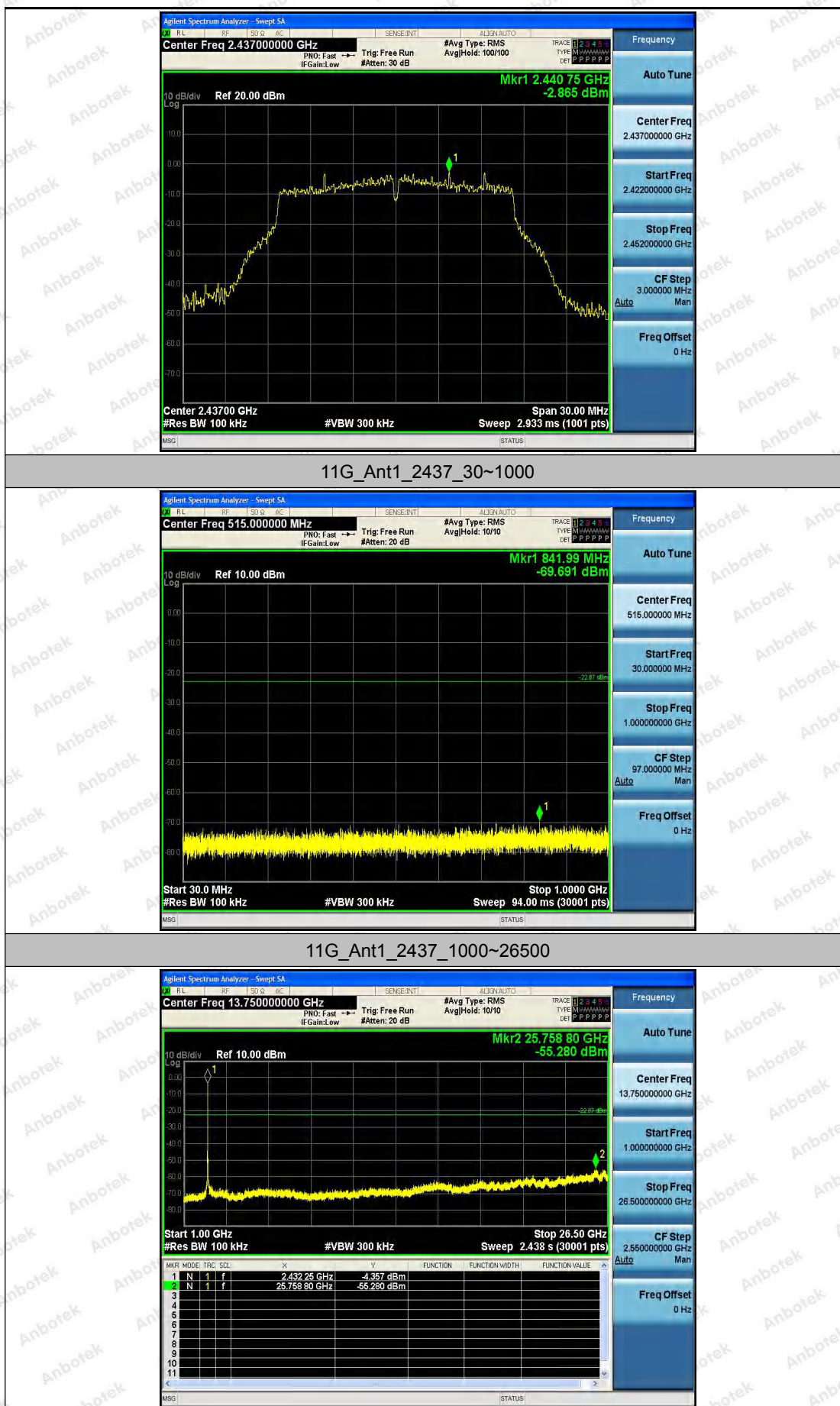


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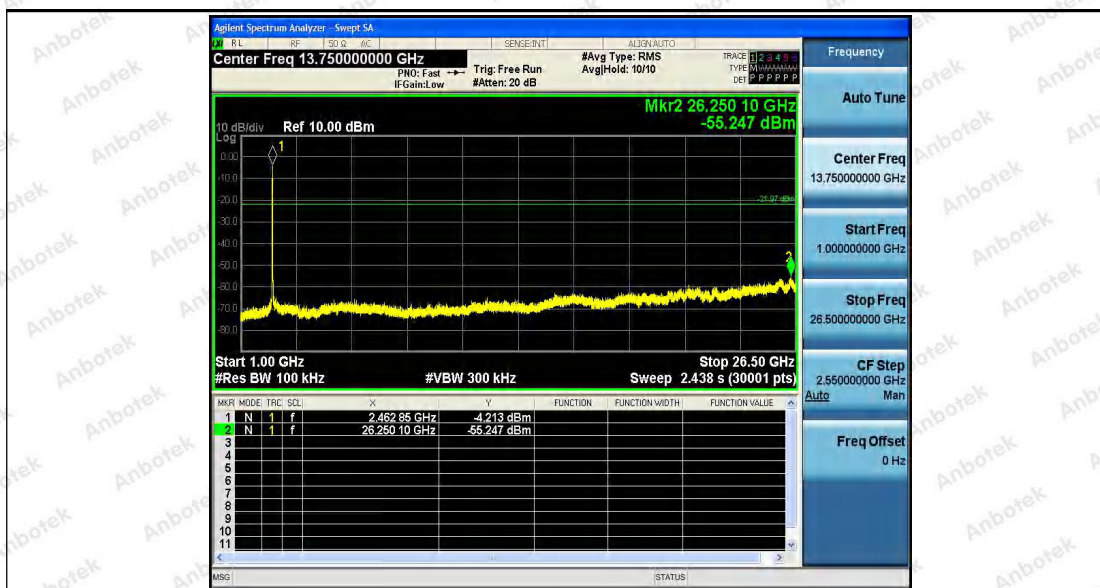
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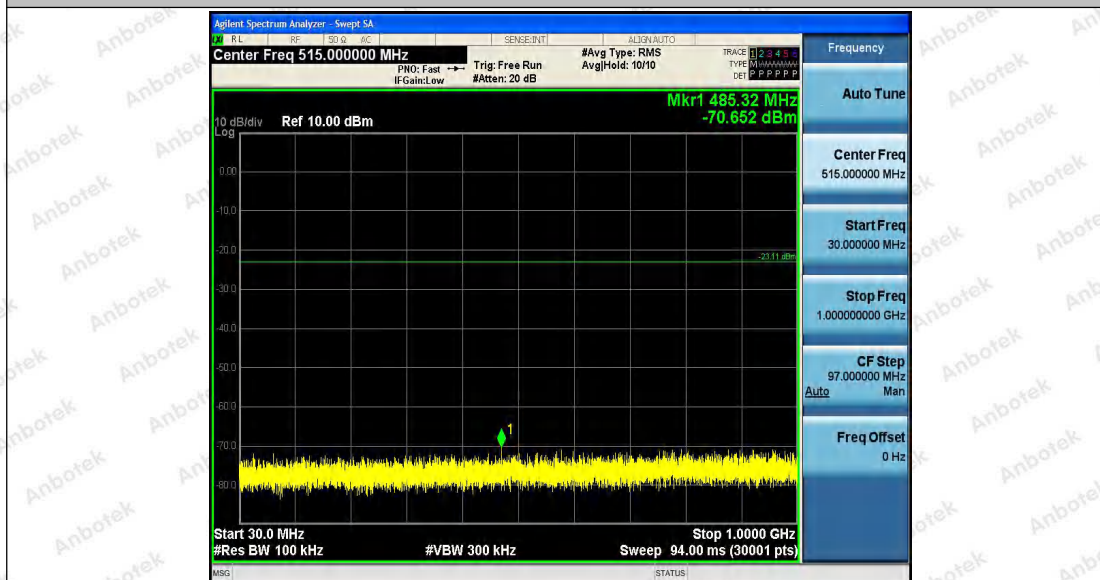




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11N20_Ant1_2412_30~1000



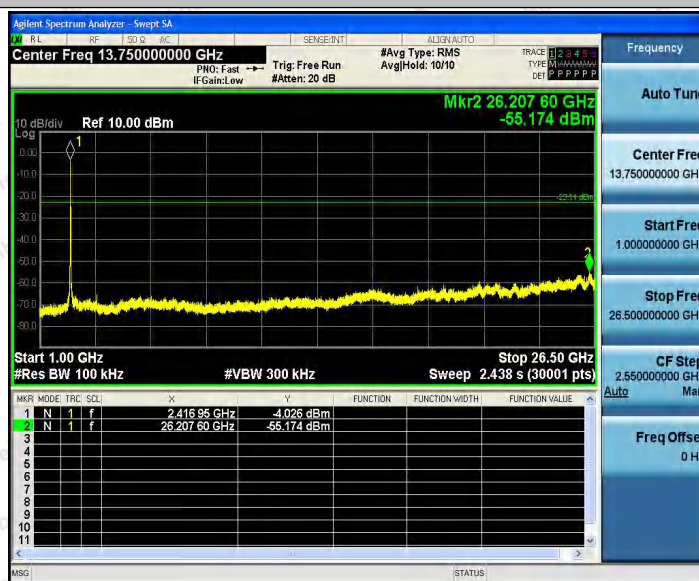
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



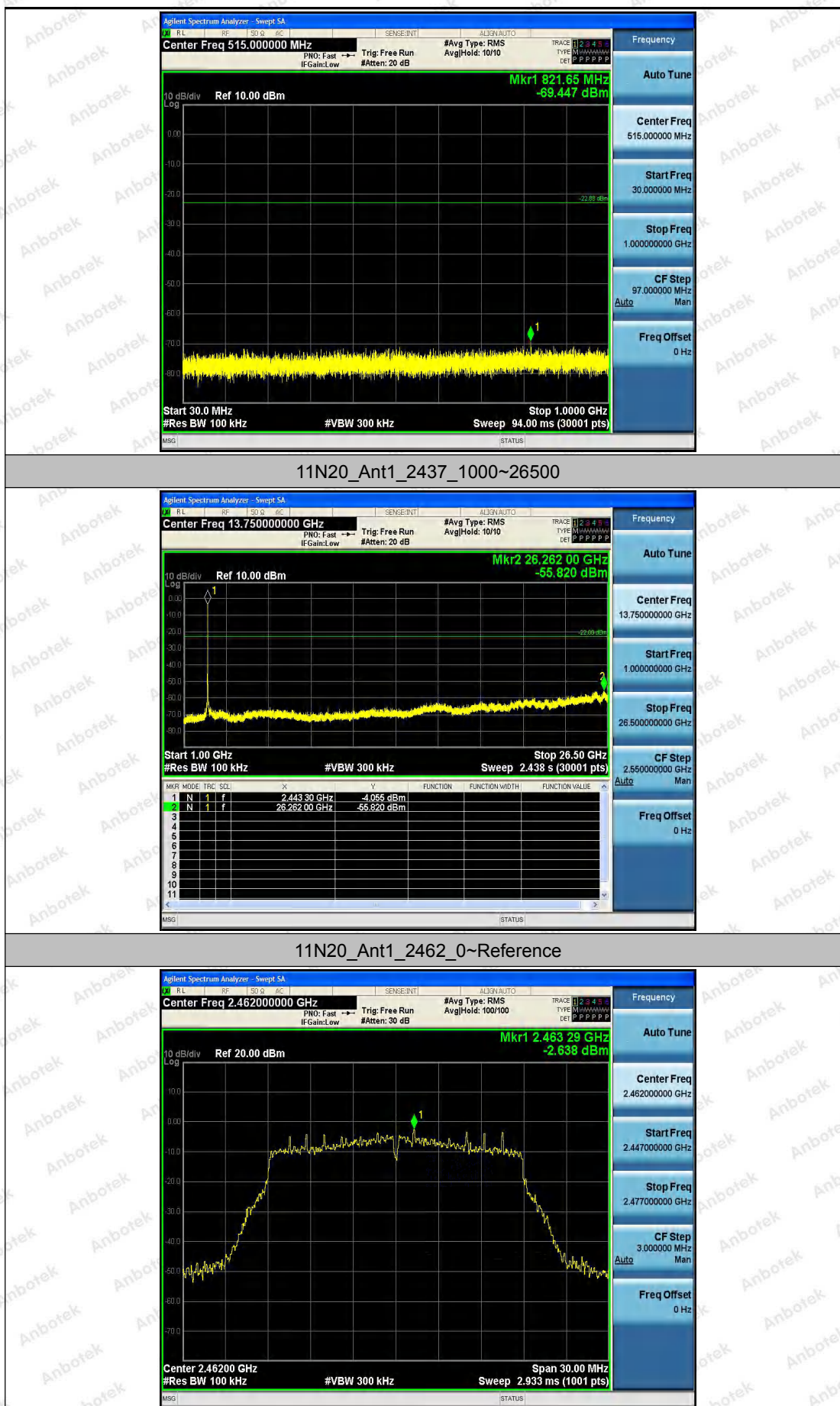
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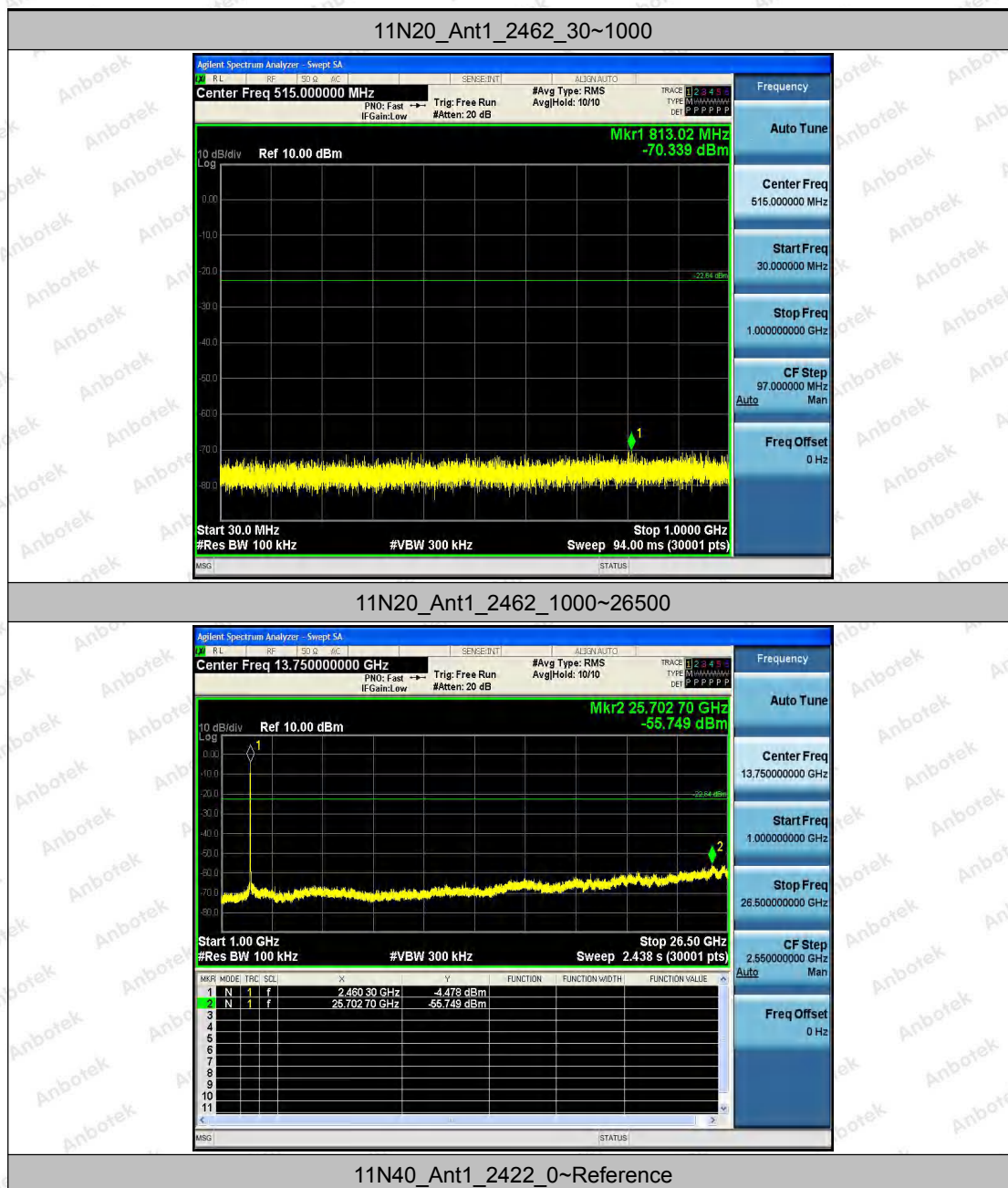


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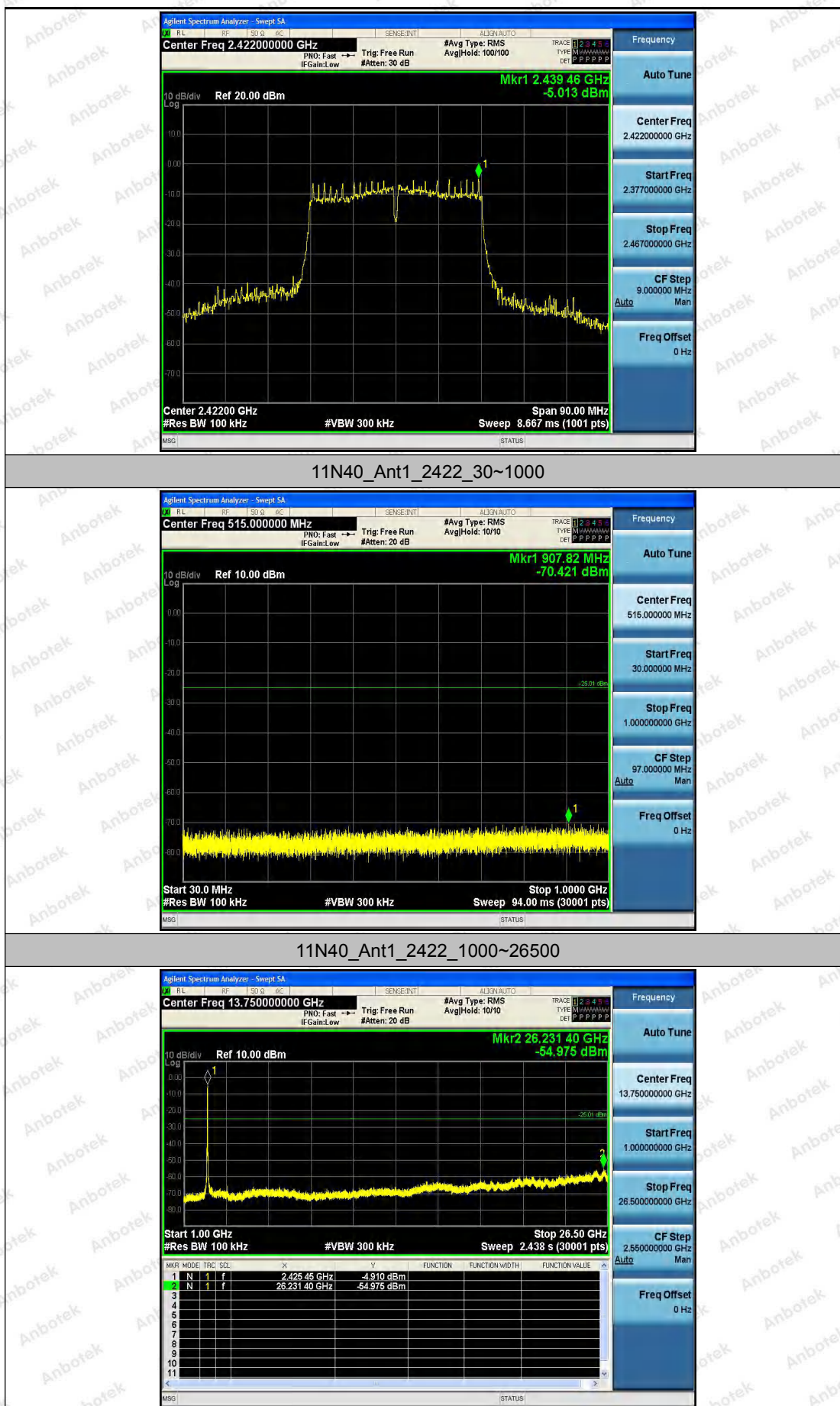


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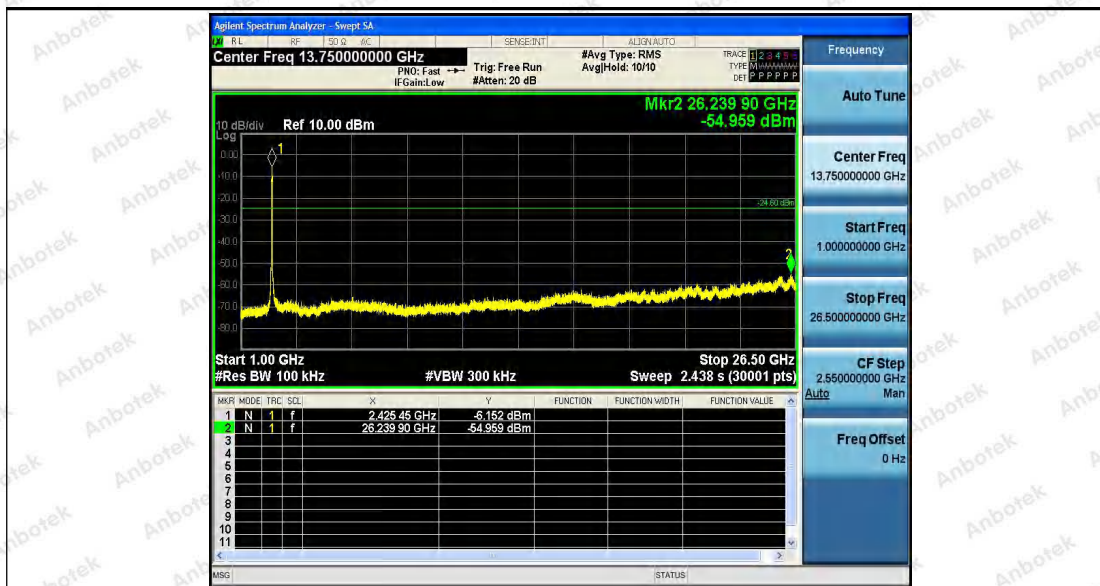
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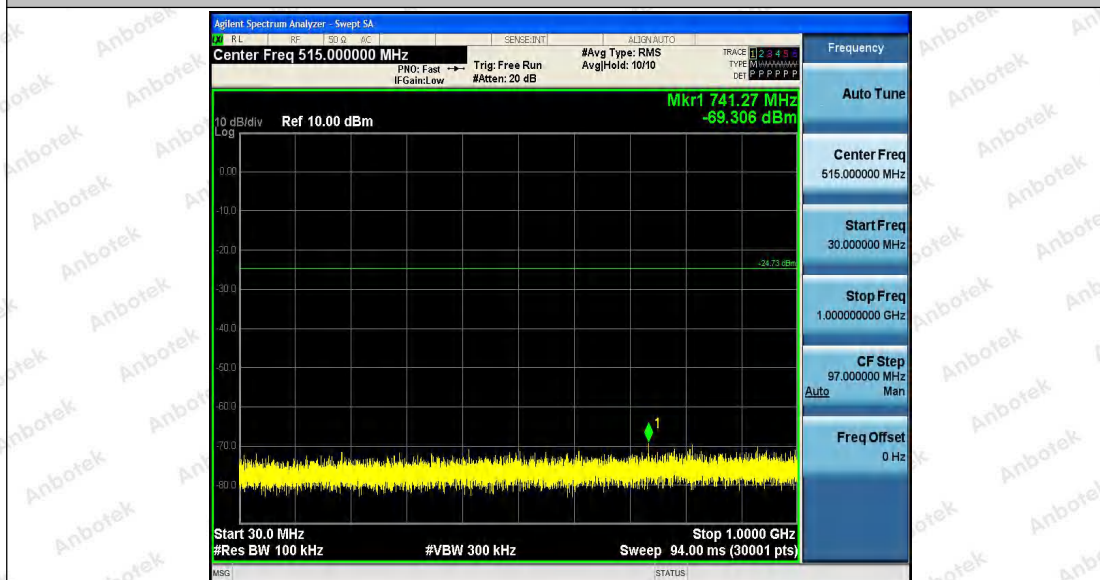




11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

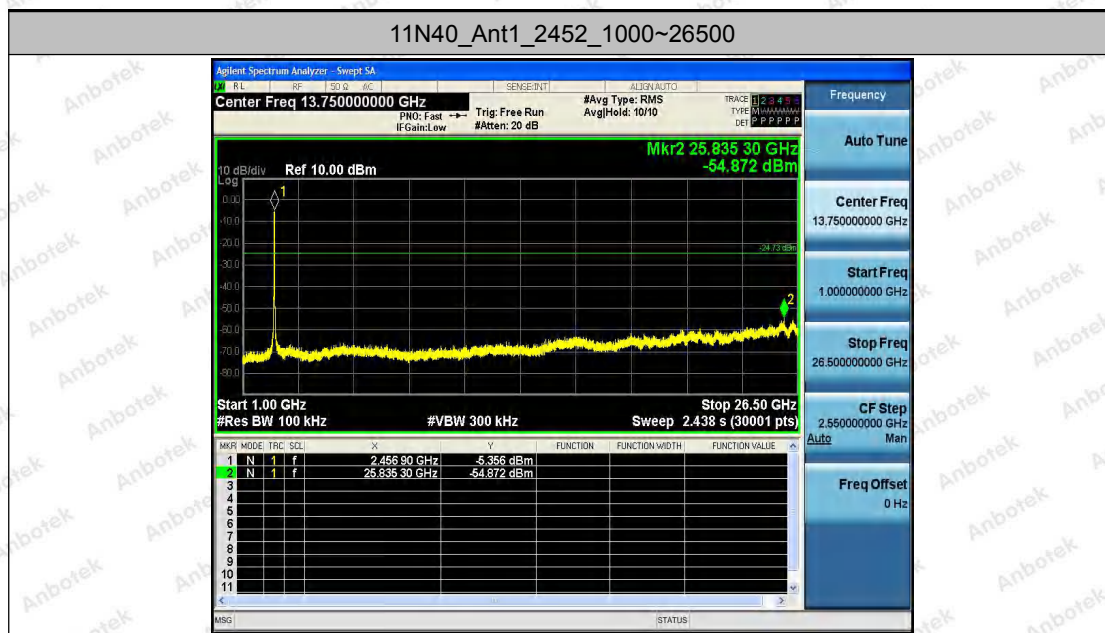


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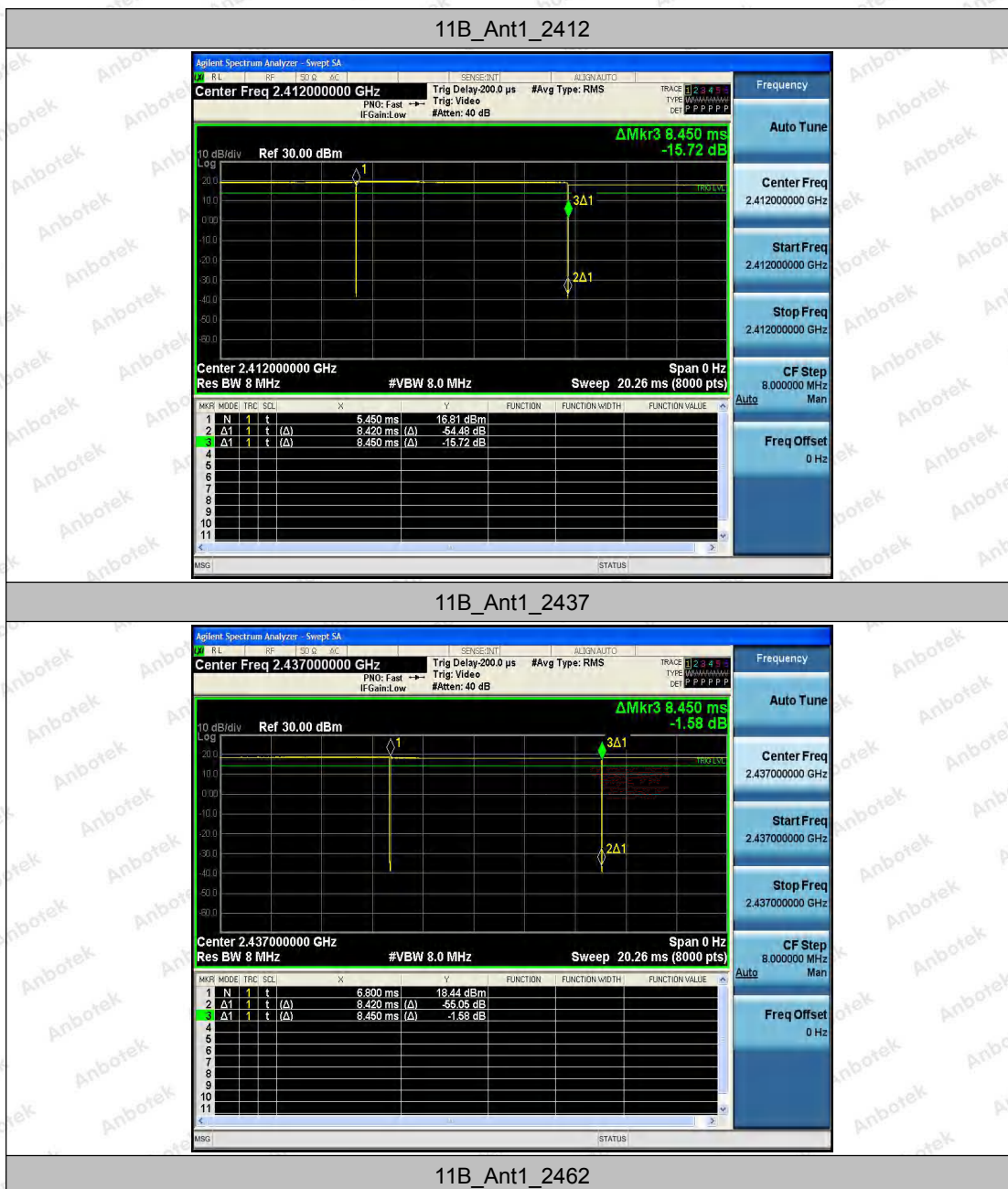
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.42	8.45	99.64	---	PASS
		2437	8.42	8.45	99.64	---	PASS
		2462	8.42	8.45	99.64	---	PASS
11G	Ant1	2412	1.39	1.44	96.53	---	PASS
		2437	1.40	1.44	97.22	---	PASS
		2462	1.40	1.44	97.22	---	PASS
11N20	Ant1	2412	1.31	1.35	97.04	---	PASS
		2437	1.31	1.35	97.04	---	PASS
		2462	1.31	1.35	97.04	---	PASS
11N40	Ant1	2422	0.65	0.73	89.04	---	PASS
		2437	0.65	0.69	94.20	---	PASS
		2452	0.65	0.74	87.84	---	PASS

Test Graphs

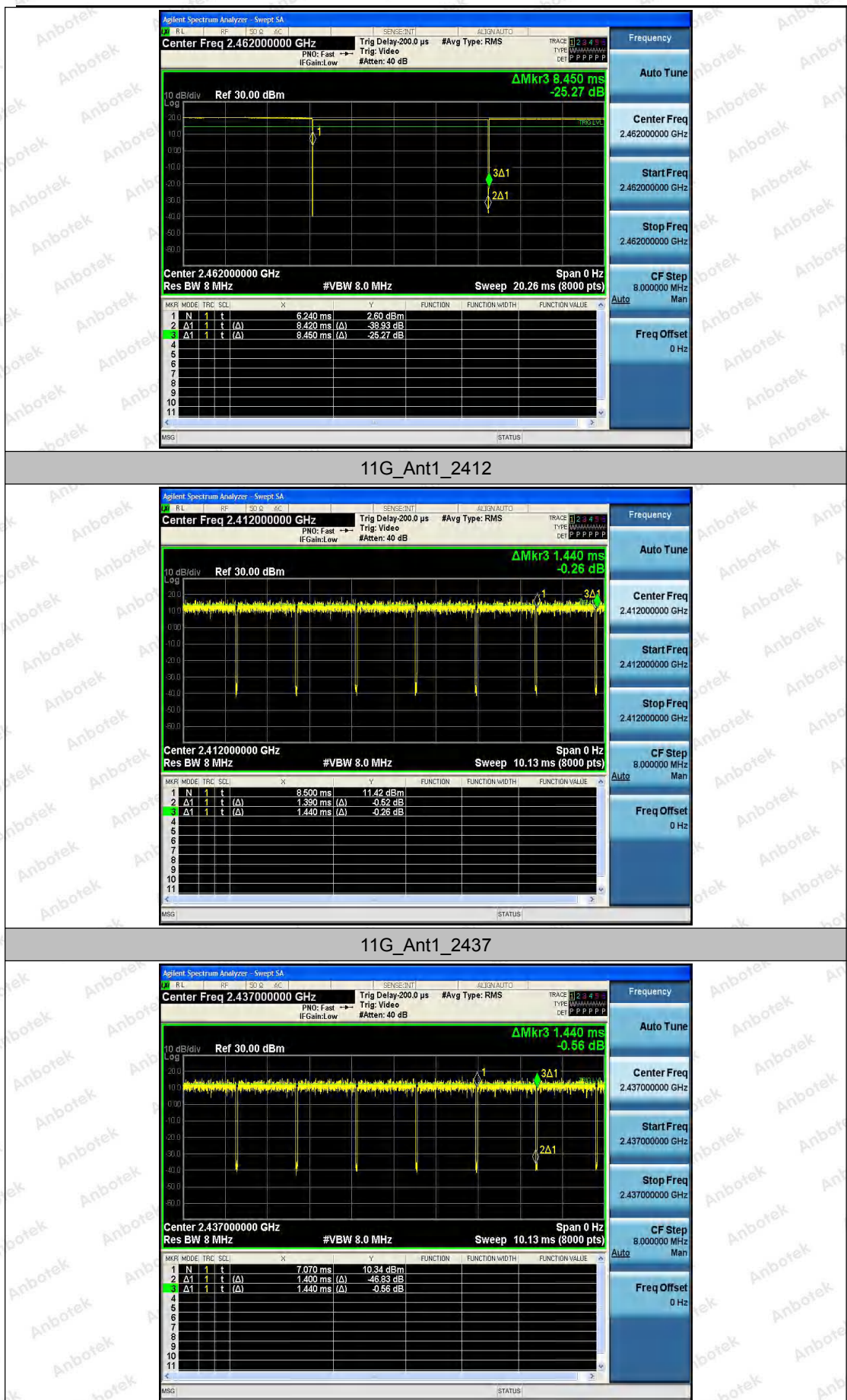


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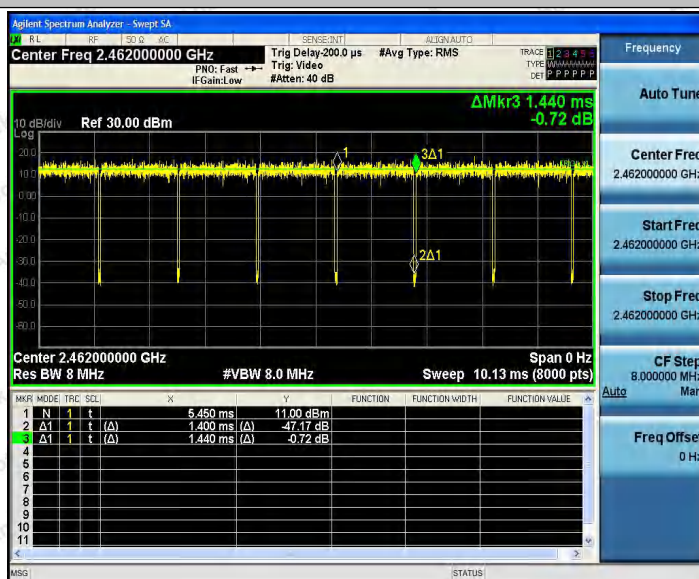
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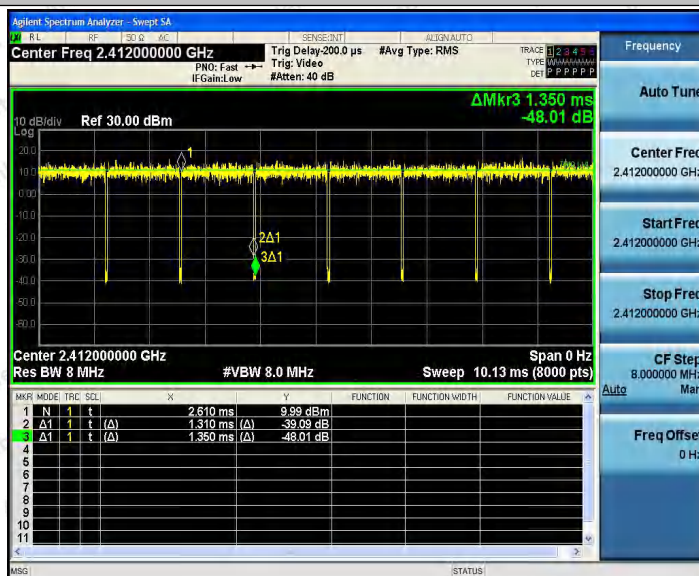
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11G_Ant1_2462



11N20_Ant1_2412



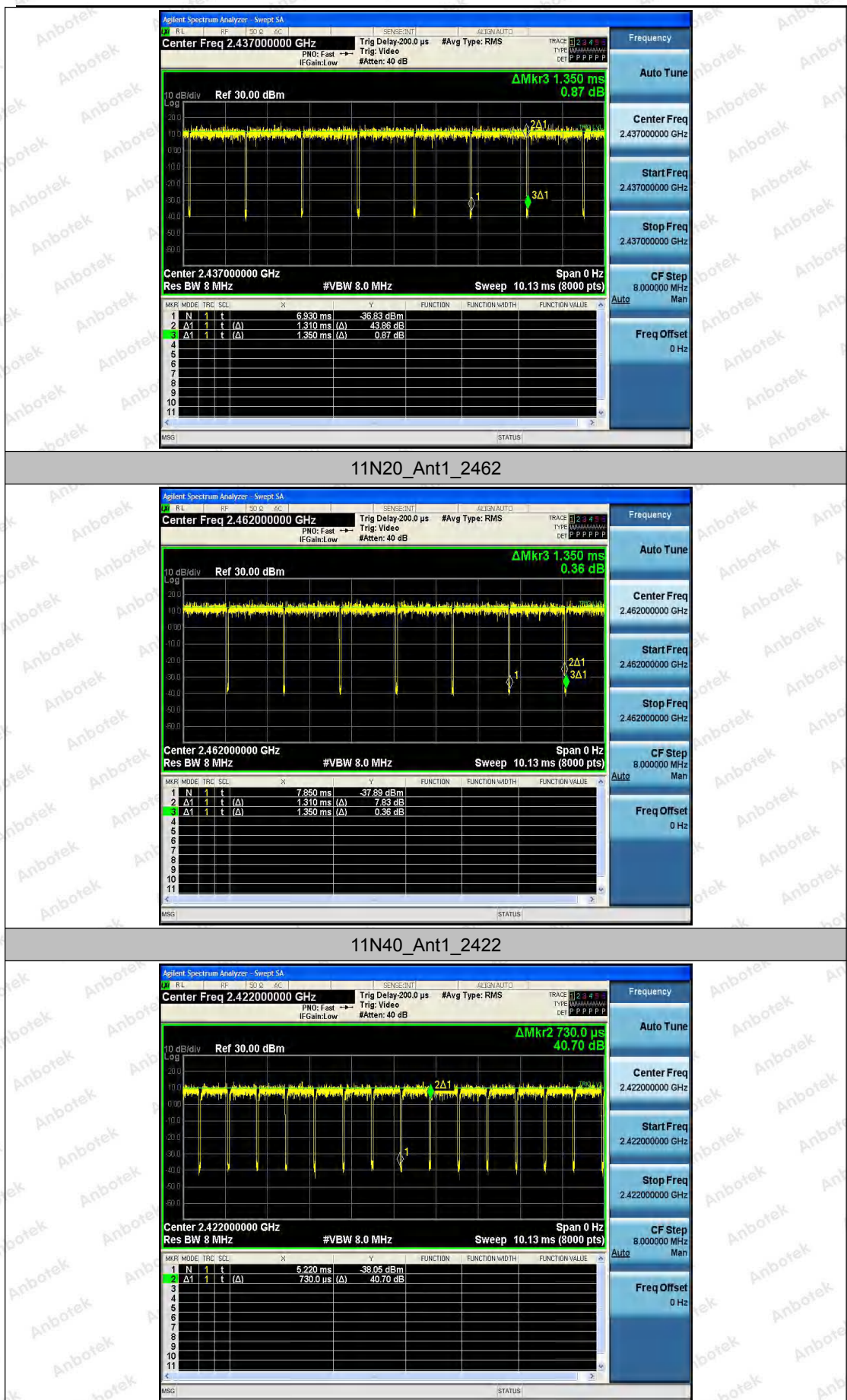
11N20_Ant1_2437

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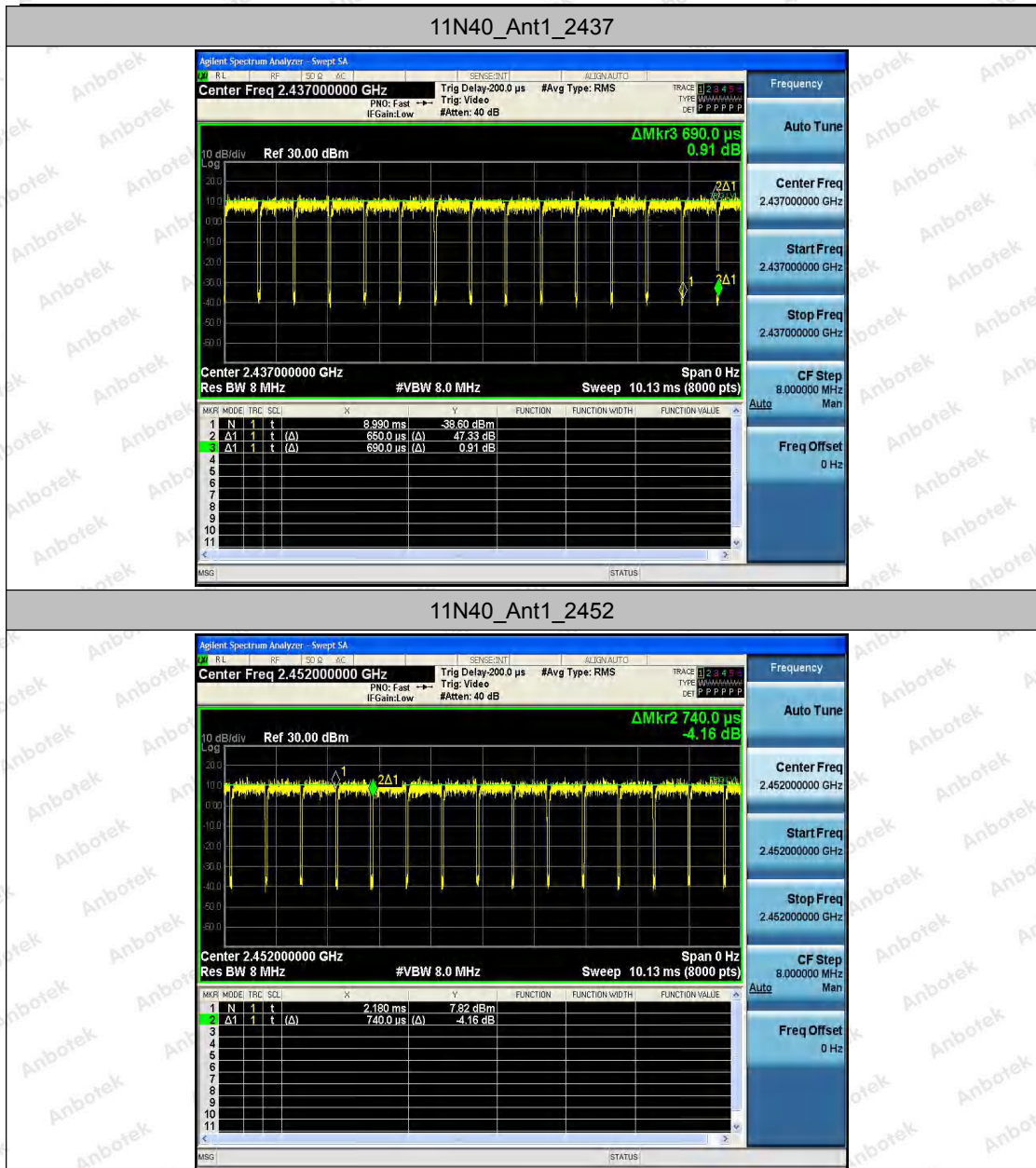


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