

Appendix Test Data

Report No.:	18220EC20005701	Test Sample No.:	1-2-2
Start Test Date:	2022.2.28	Finish Test Date:	2022.3.4
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.2℃	Relative Humidity:	55 %
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	7.640	2408.440	2416.080	≥0.5	PASS
		2437	7.640	2433.400	2441.040	≥0.5	PASS
		2462	7.640	2457.960	2465.600	≥0.5	PASS
11G	Ant1	2412	13.960	2405.640	2419.600	≥0.5	PASS
		2437	15.440	2429.080	2444.520	≥0.5	PASS
		2462	15.160	2454.400	2469.560	≥0.5	PASS
11N20	Ant1	2412	13.920	2405.640	2419.560	≥0.5	PASS
		2437	16.040	2429.480	2445.520	≥0.5	PASS
		2462	15.160	2454.400	2469.560	≥0.5	PASS

Test Graphs

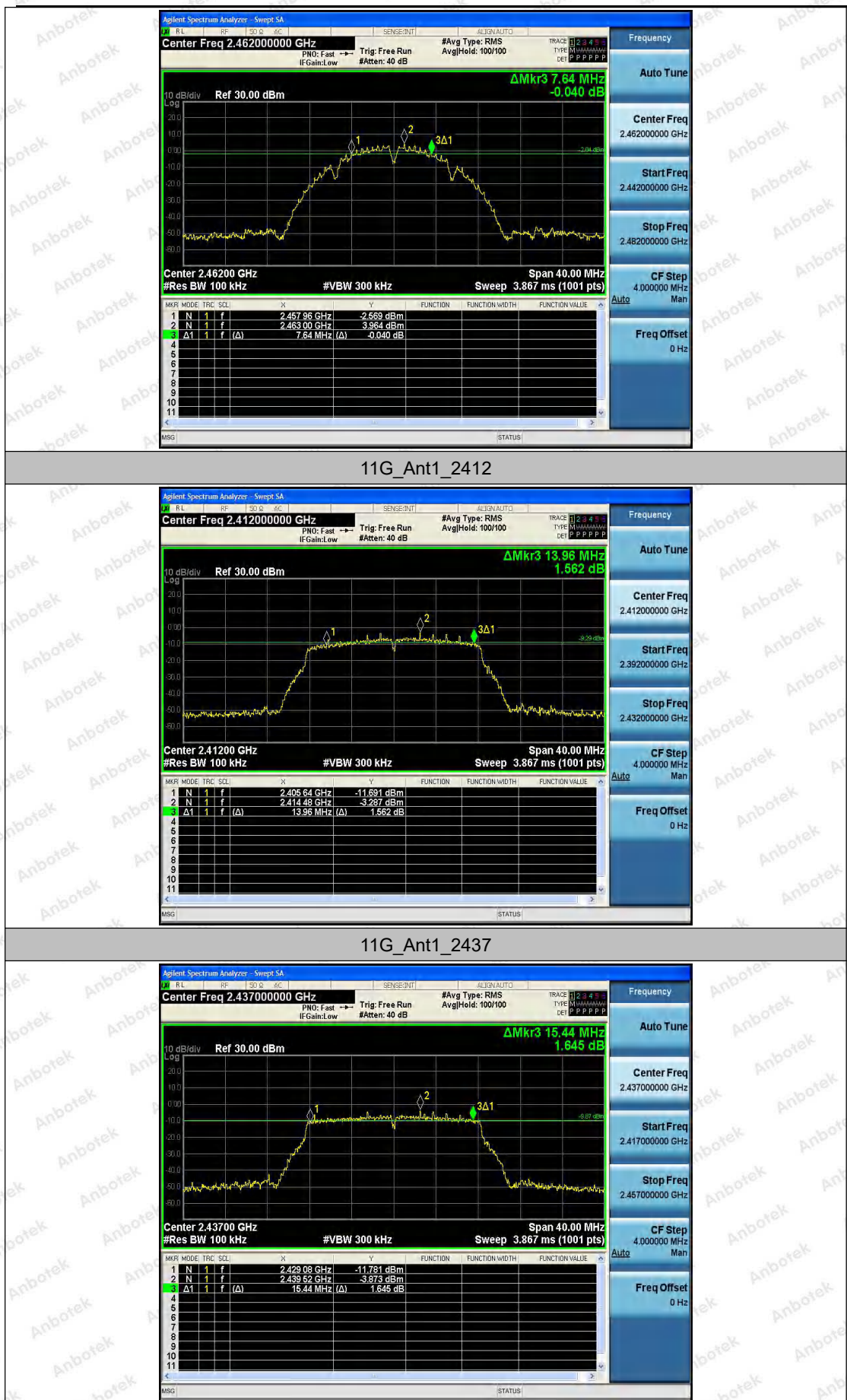
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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11G_Ant1_2462



11N20_Ant1_2412



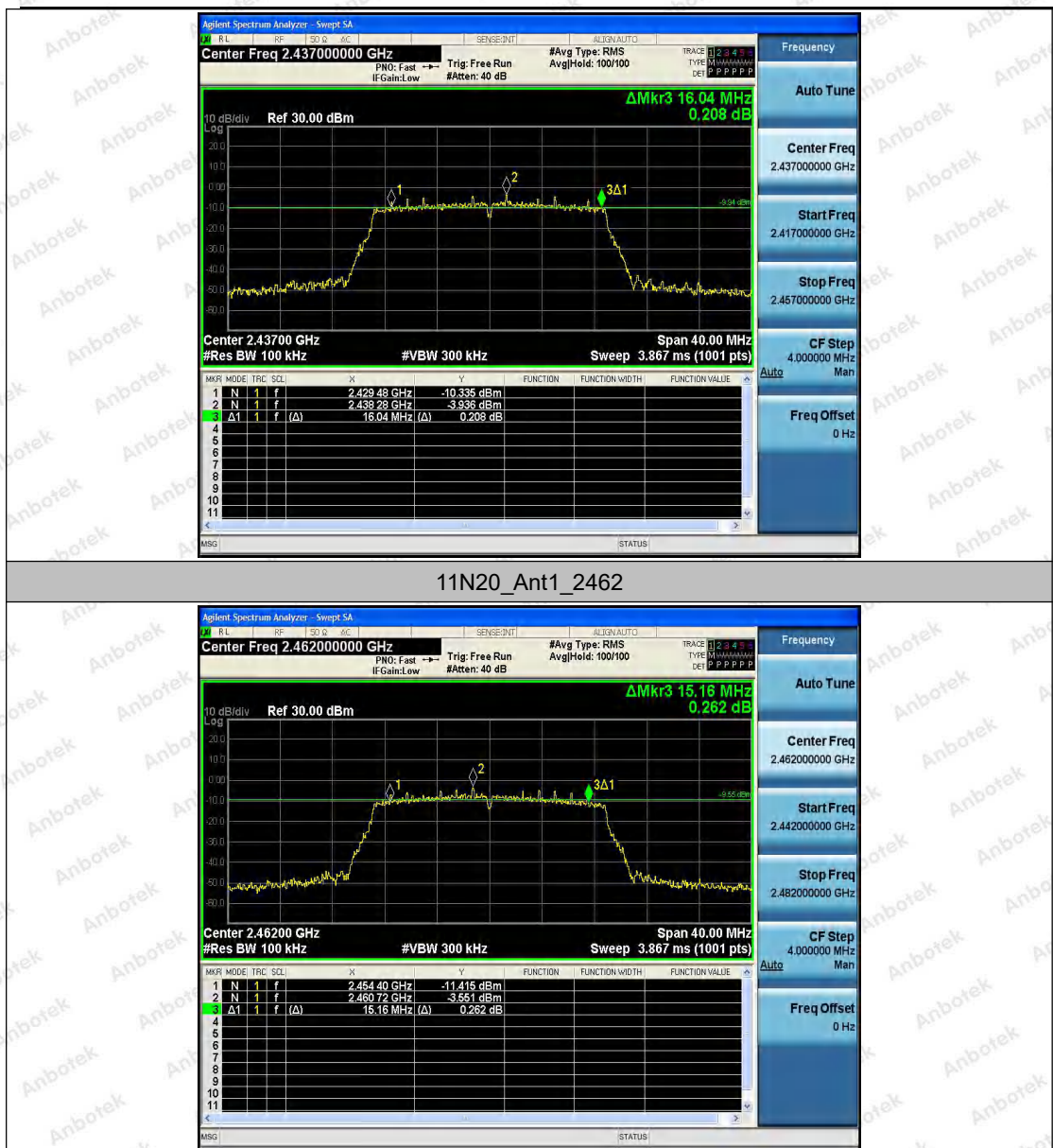
11N20_Ant1_2437

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.524	2405.918	2418.442	---	PASS
		2437	12.935	2430.567	2443.502	---	PASS
		2462	12.729	2455.569	2468.298	---	PASS
11G	Ant1	2412	16.671	2403.765	2420.436	---	PASS
		2437	16.914	2428.597	2445.511	---	PASS
		2462	16.789	2453.570	2470.359	---	PASS
11N20	Ant1	2412	17.691	2403.242	2420.933	---	PASS
		2437	17.903	2428.118	2446.021	---	PASS
		2462	17.805	2453.084	2470.889	---	PASS

Test Graphs

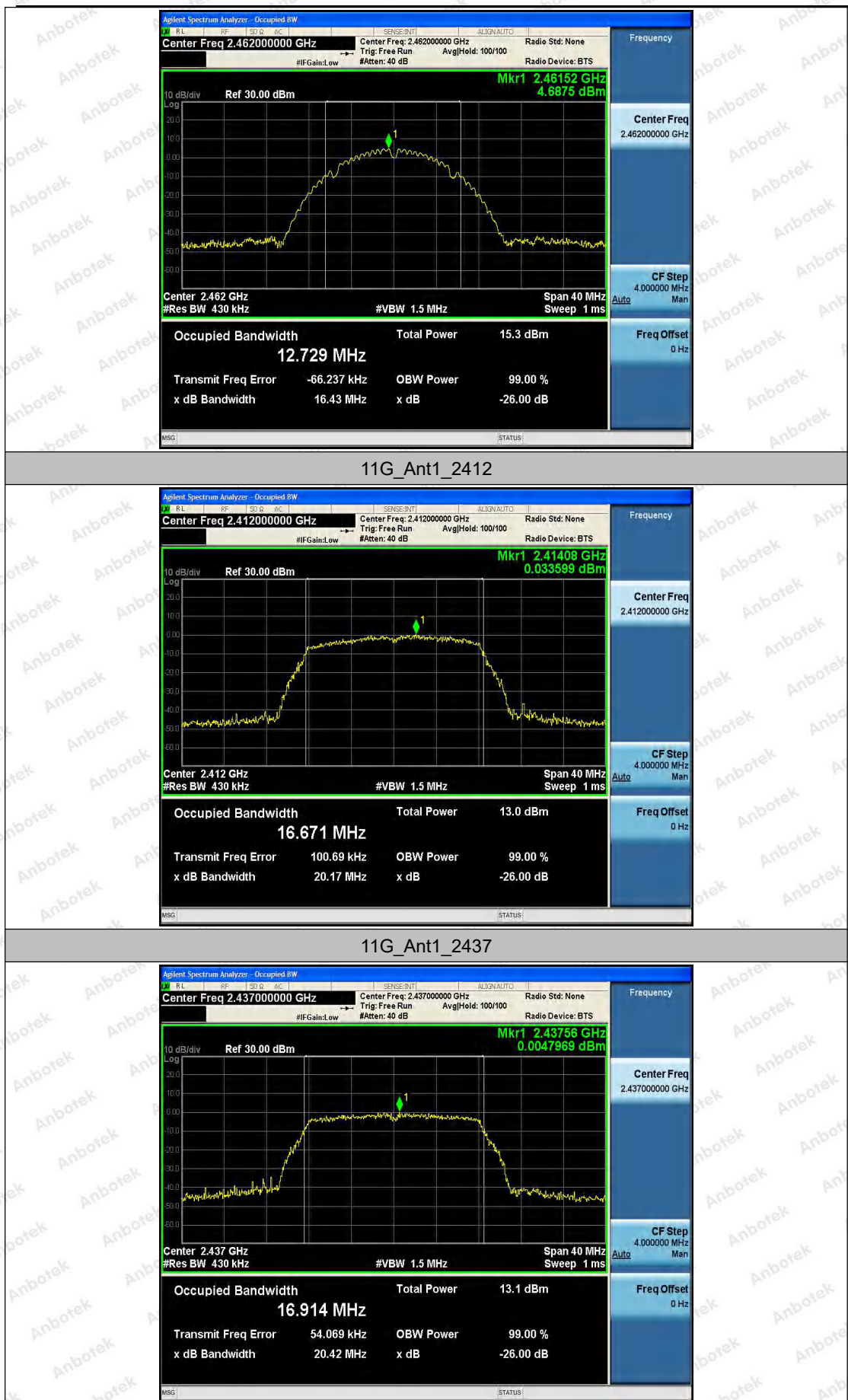


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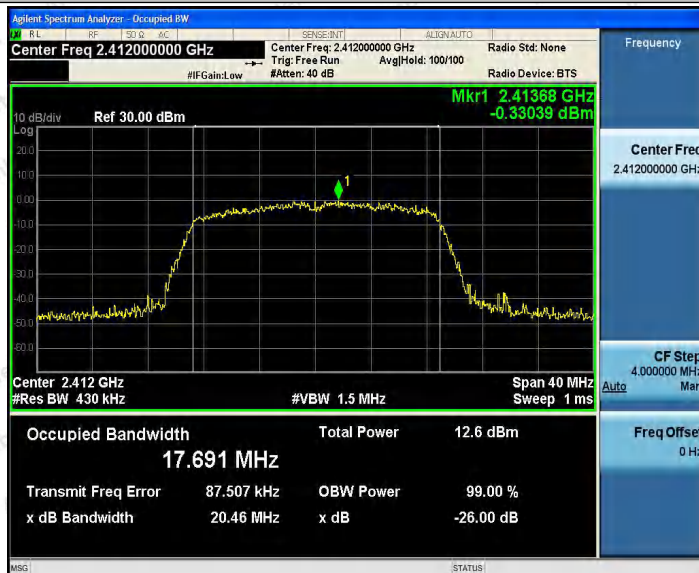
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11G_Ant1_2462



11N20_Ant1_2412



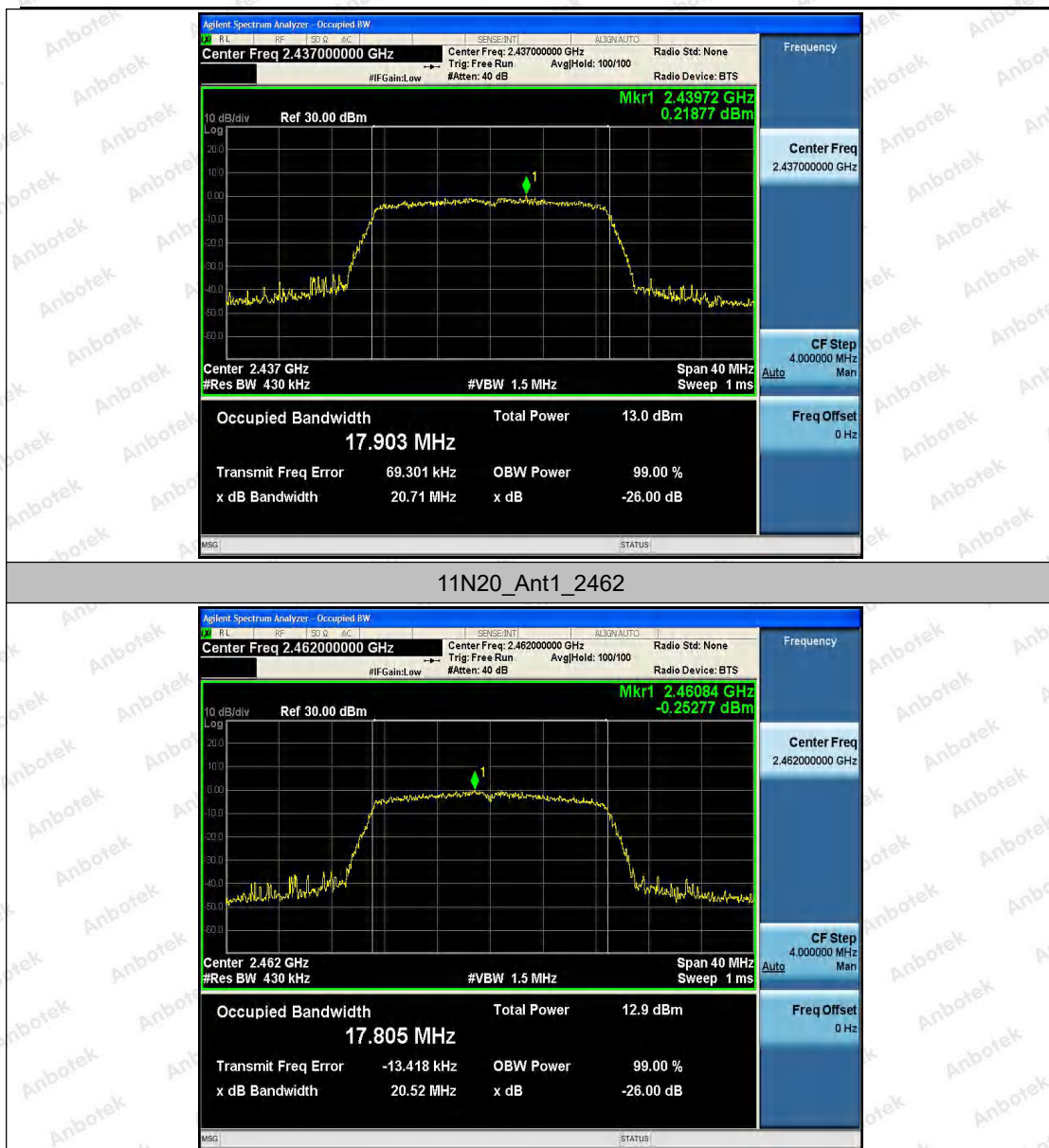
11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

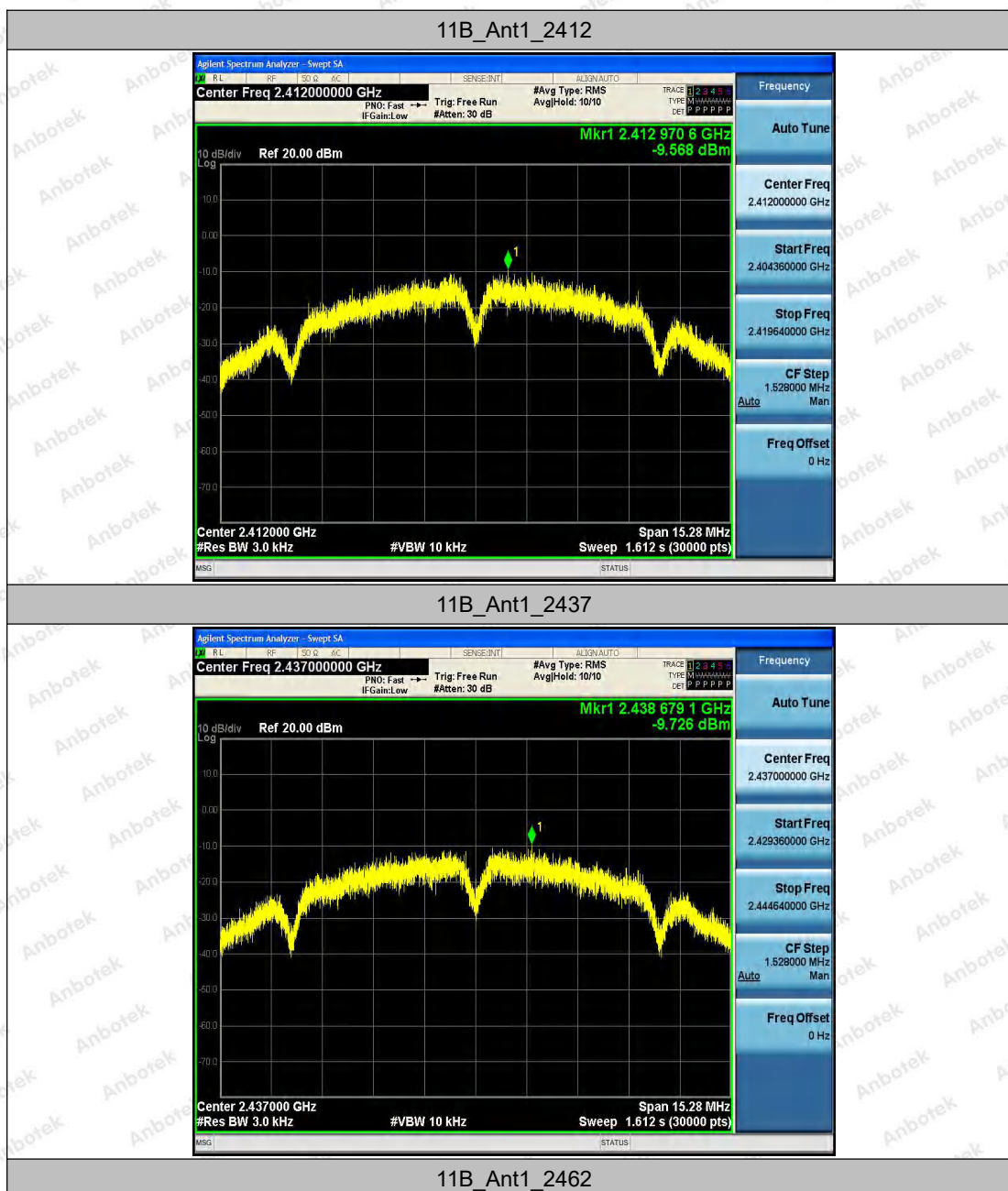
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.85	≤30	PASS
		2437	15.12	≤30	PASS
		2462	15.33	≤30	PASS
11G	Ant1	2412	14.17	≤30	PASS
		2437	14.22	≤30	PASS
		2462	14.18	≤30	PASS
11N20	Ant1	2412	13.75	≤30	PASS
		2437	14.00	≤30	PASS
		2462	13.97	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.57	≤8	PASS
		2437	-9.73	≤8	PASS
		2462	-9.93	≤8	PASS
11G	Ant1	2412	-15.91	≤8	PASS
		2437	-17.72	≤8	PASS
		2462	-17.16	≤8	PASS
11N20	Ant1	2412	-18.57	≤8	PASS
		2437	-17.82	≤8	PASS
		2462	-17.52	≤8	PASS

Test Graphs



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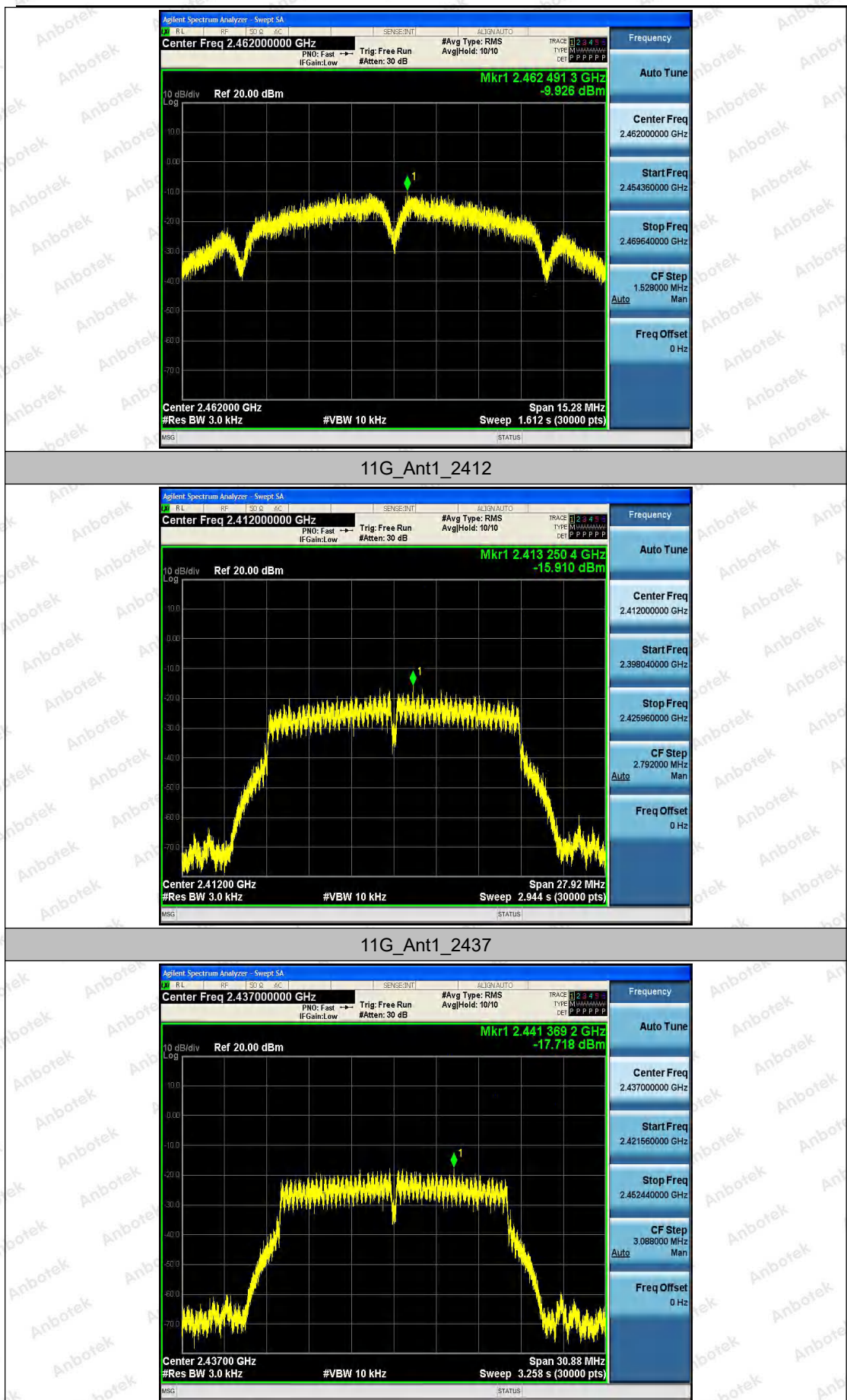
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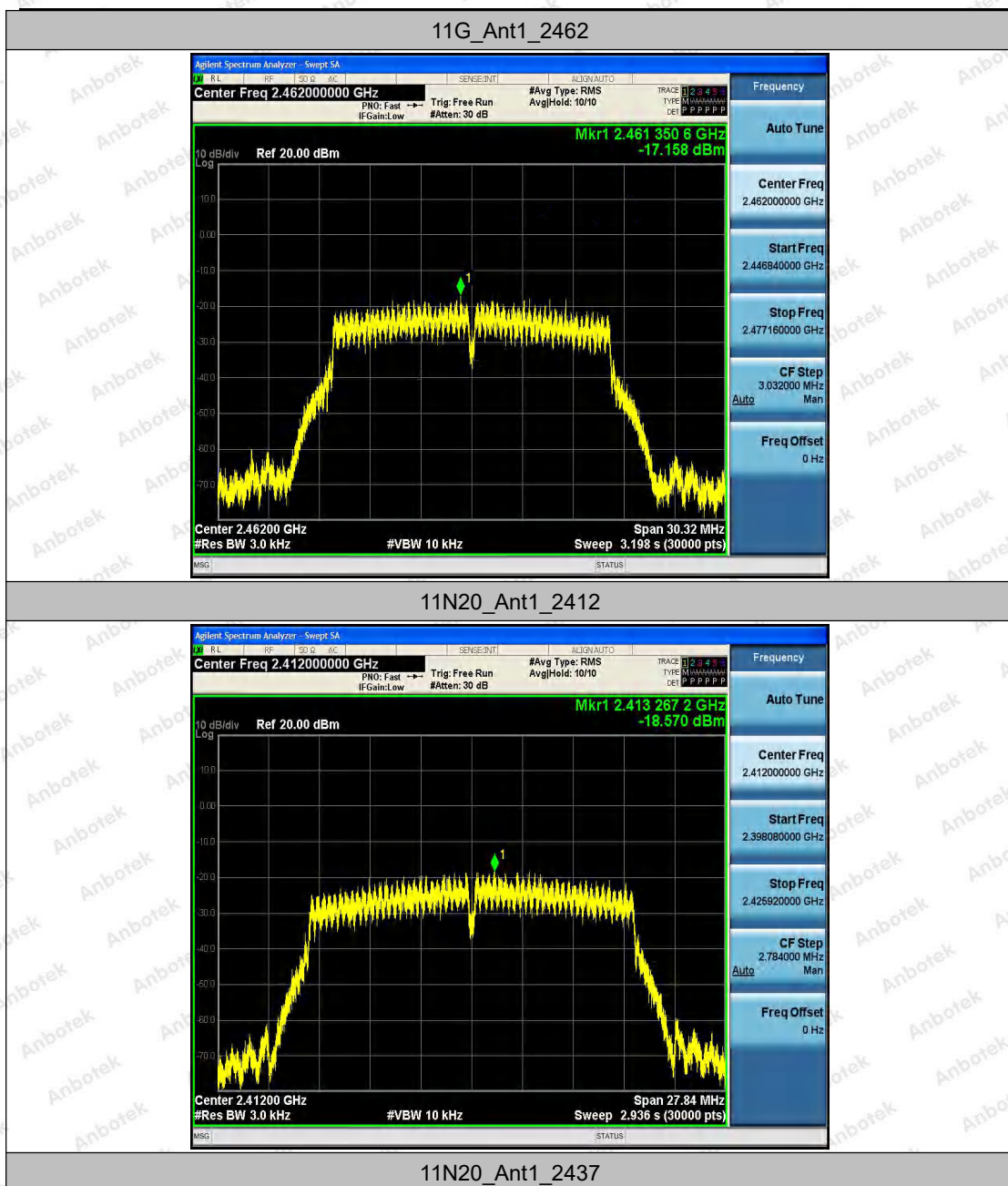


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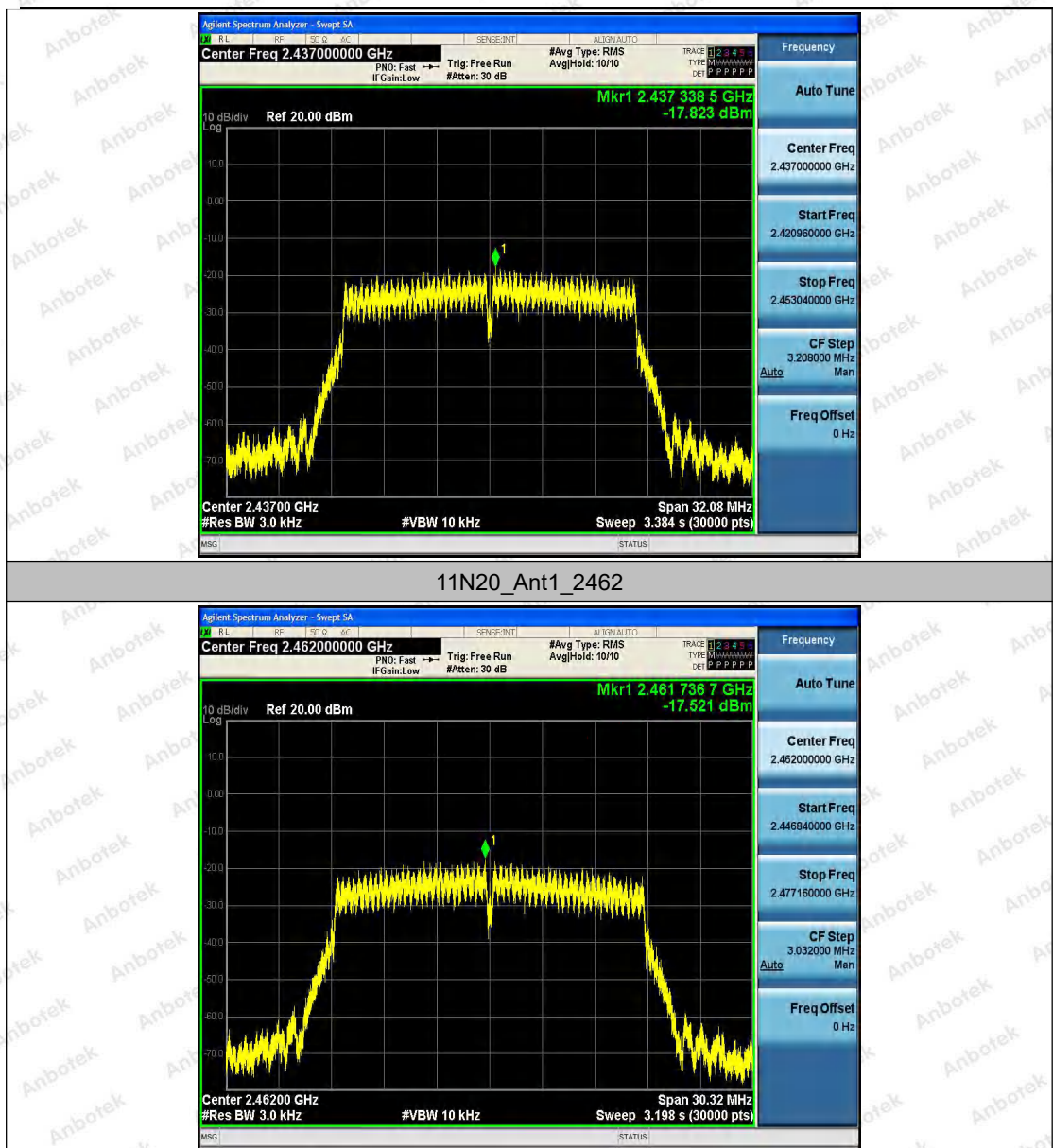


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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.01	-49.64	≤-15.99	PASS
		High	2462	4.34	-56.18	≤-15.66	PASS
11G	Ant1	Low	2412	-3.04	-50.43	≤-23.04	PASS
		High	2462	-3.95	-55.99	≤-23.95	PASS
11N20	Ant1	Low	2412	-2.84	-48.71	≤-22.84	PASS
		High	2462	-3.49	-54.97	≤-23.49	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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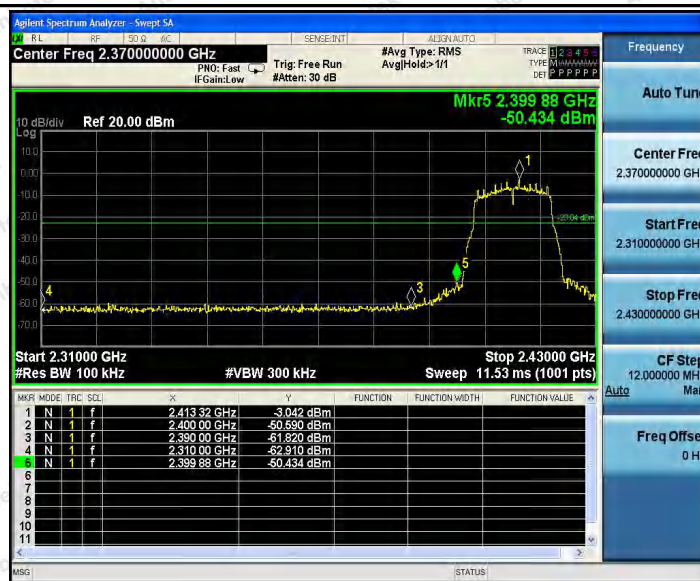
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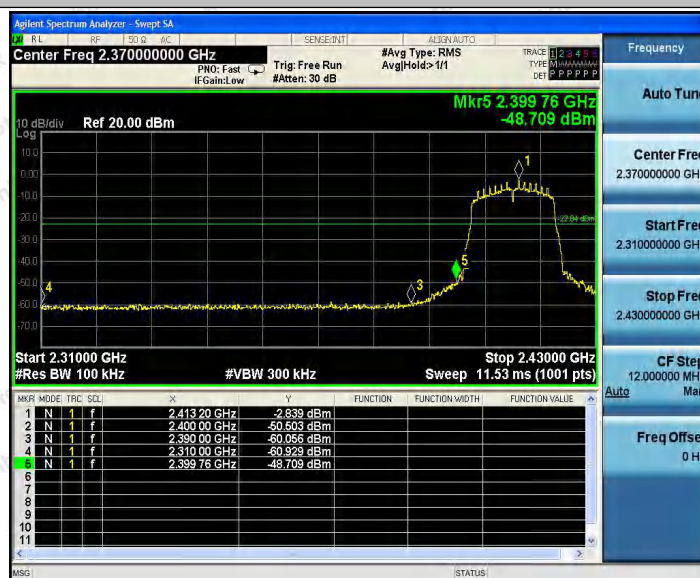
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

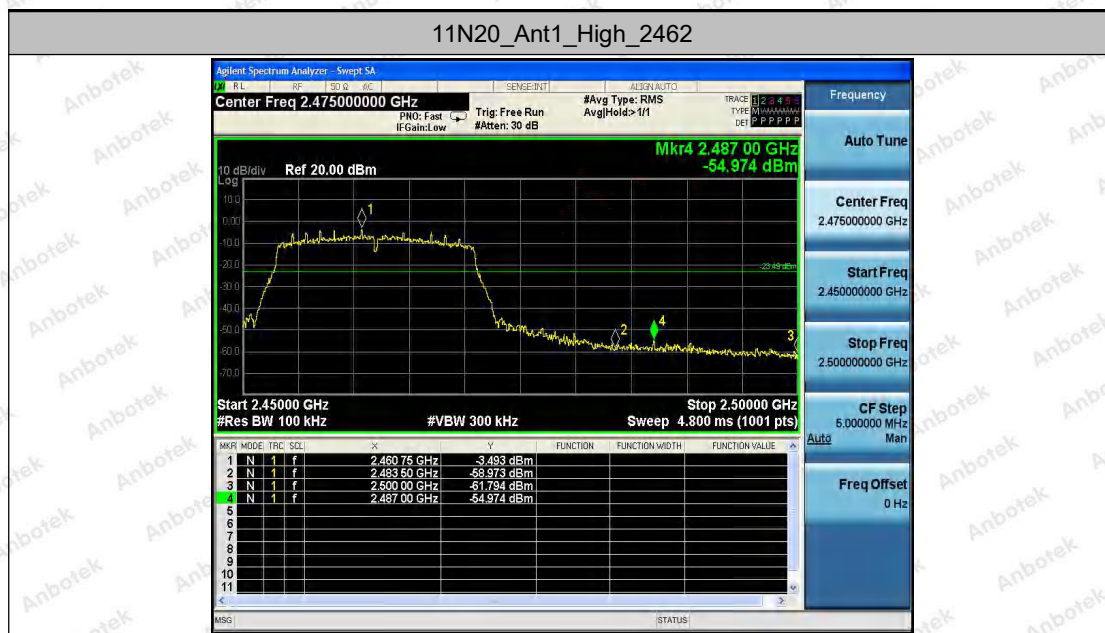


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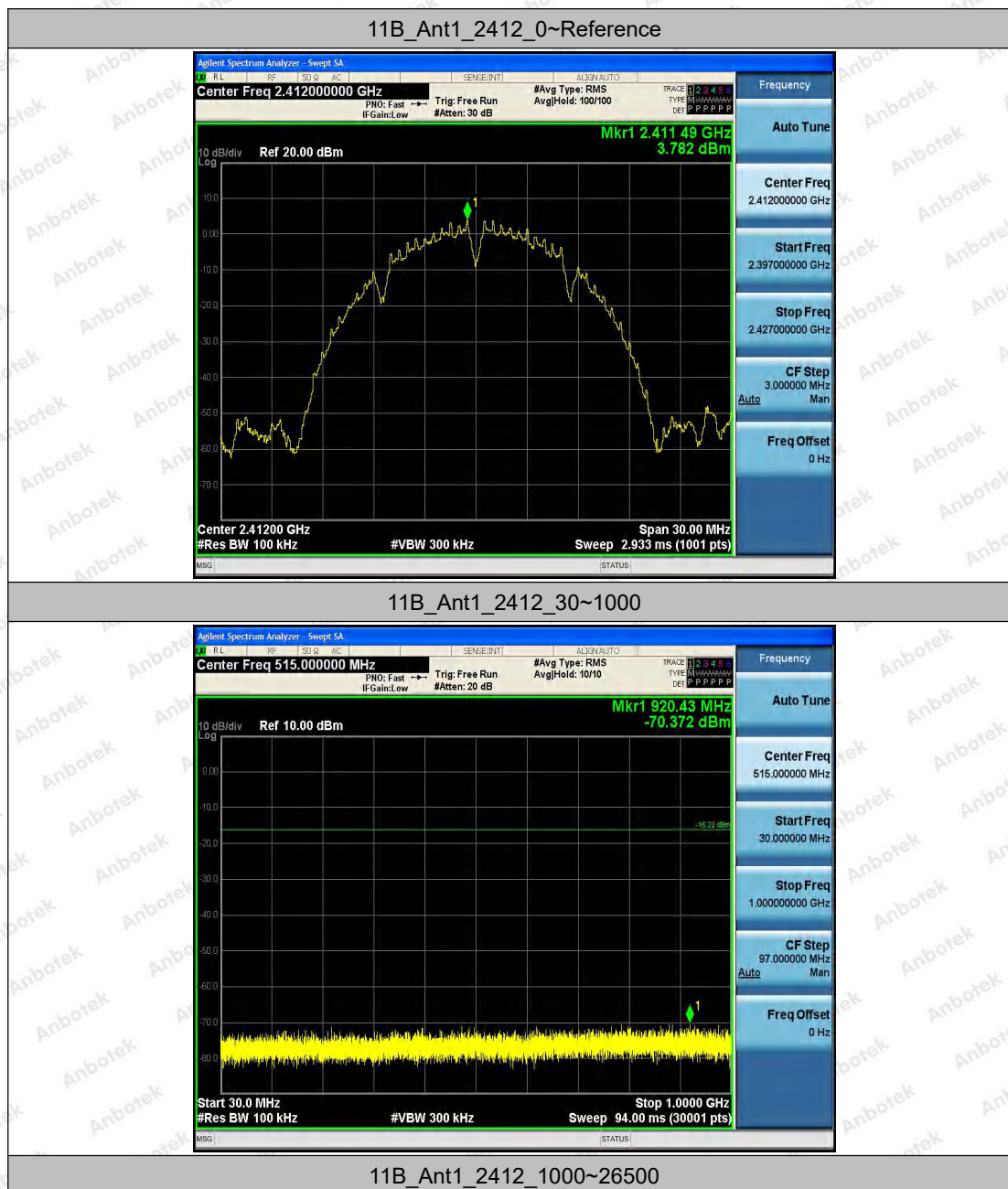
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.78	3.78	---	PASS
			30~1000	3.78	-70.37	≤-16.22	PASS
			1000~26500	3.78	-49.49	≤-16.22	PASS
		2437	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-70.77	≤-15.88	PASS
			1000~26500	4.12	-48.44	≤-15.88	PASS
		2462	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-70.19	≤-15.8	PASS
			1000~26500	4.20	-50.66	≤-15.8	PASS
11G	Ant1	2412	Reference	-4.23	-4.23	---	PASS
			30~1000	-4.23	-70.73	≤-24.23	PASS
			1000~26500	-4.23	-55.41	≤-24.23	PASS
		2437	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-70.72	≤-23.58	PASS
			1000~26500	-3.58	-55.86	≤-23.58	PASS
		2462	Reference	-4.43	-4.43	---	PASS
			30~1000	-4.43	-70.45	≤-24.43	PASS
			1000~26500	-4.43	-56.07	≤-24.43	PASS
11N20	Ant1	2412	Reference	-3.35	-3.35	---	PASS
			30~1000	-3.35	-70.25	≤-23.35	PASS
			1000~26500	-3.35	-55.5	≤-23.35	PASS
		2437	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-70.71	≤-24.9	PASS
			1000~26500	-4.90	-55.46	≤-24.9	PASS
		2462	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-70.01	≤-24.44	PASS
			1000~26500	-4.44	-55.92	≤-24.44	PASS

Test Graphs



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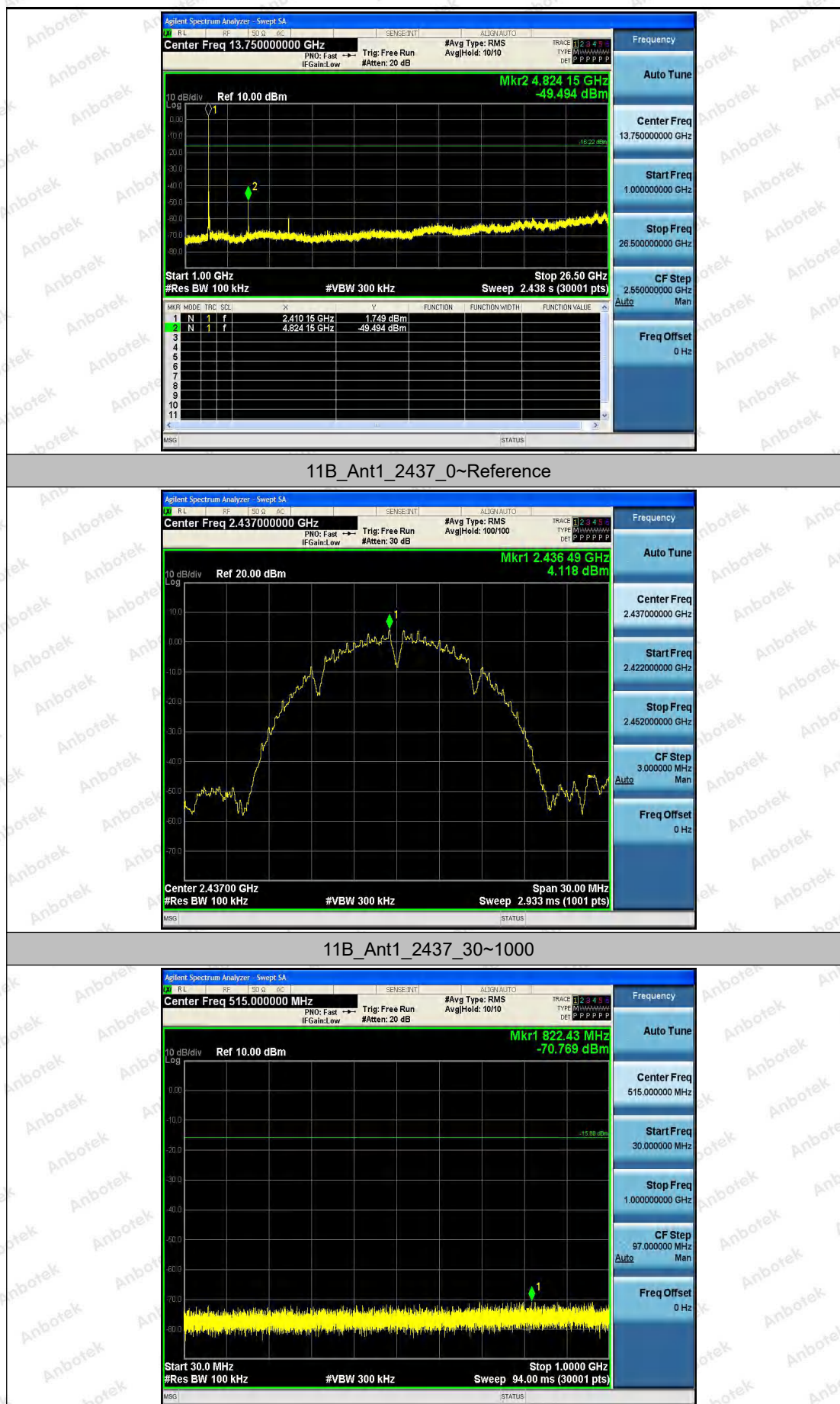
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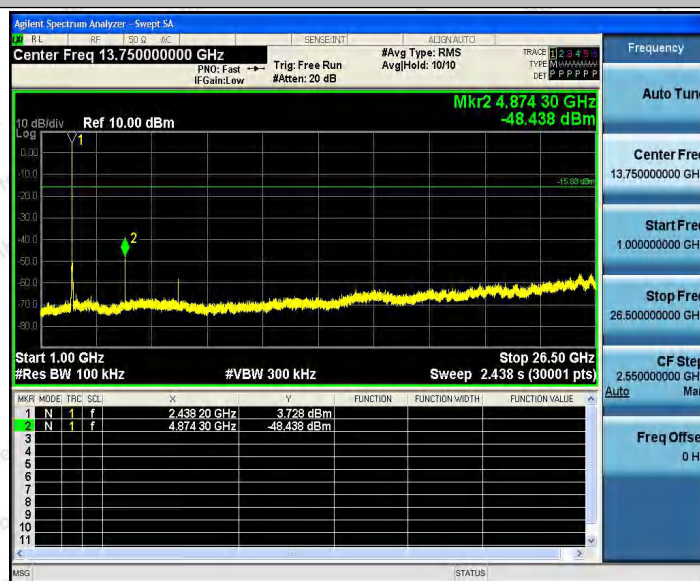
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



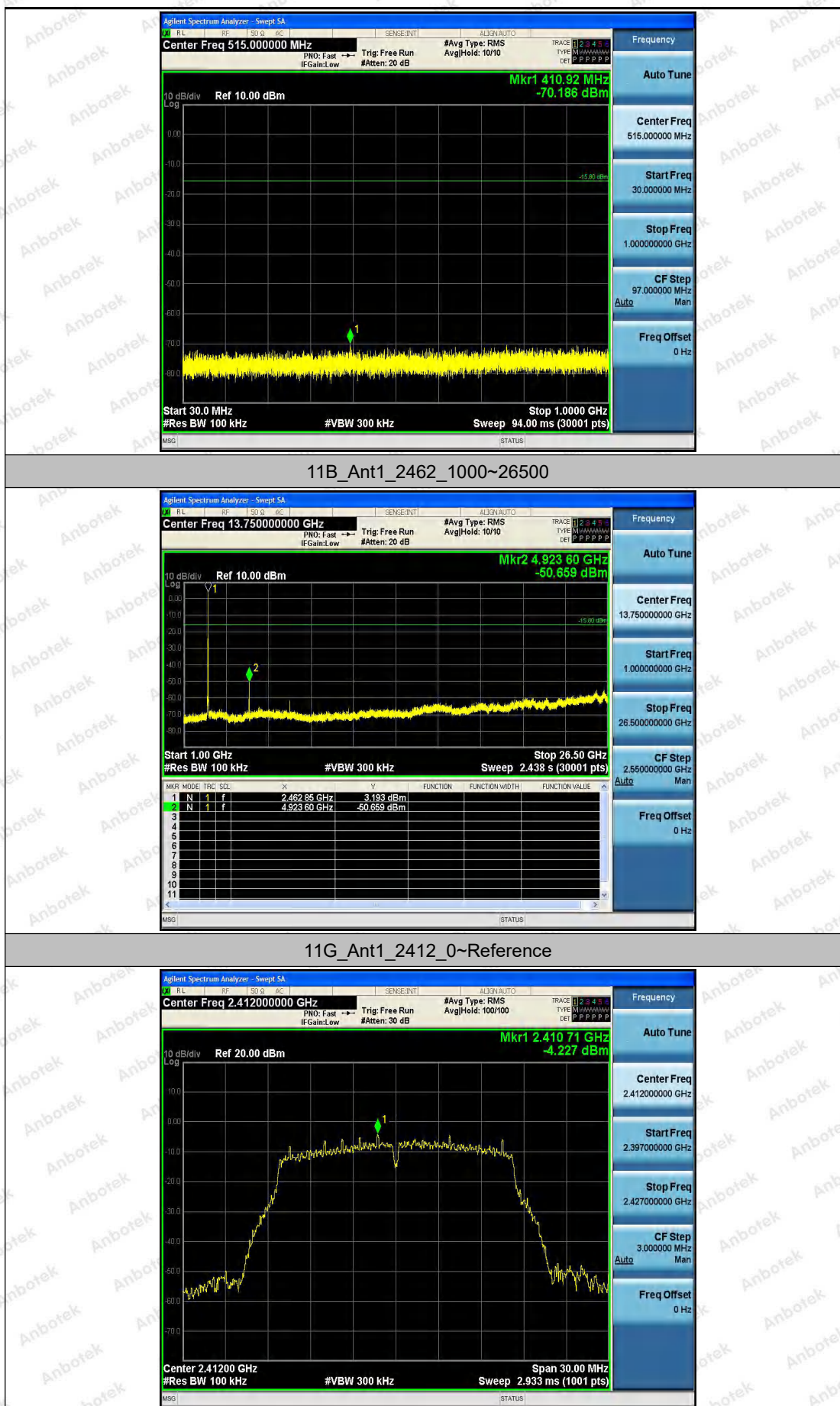
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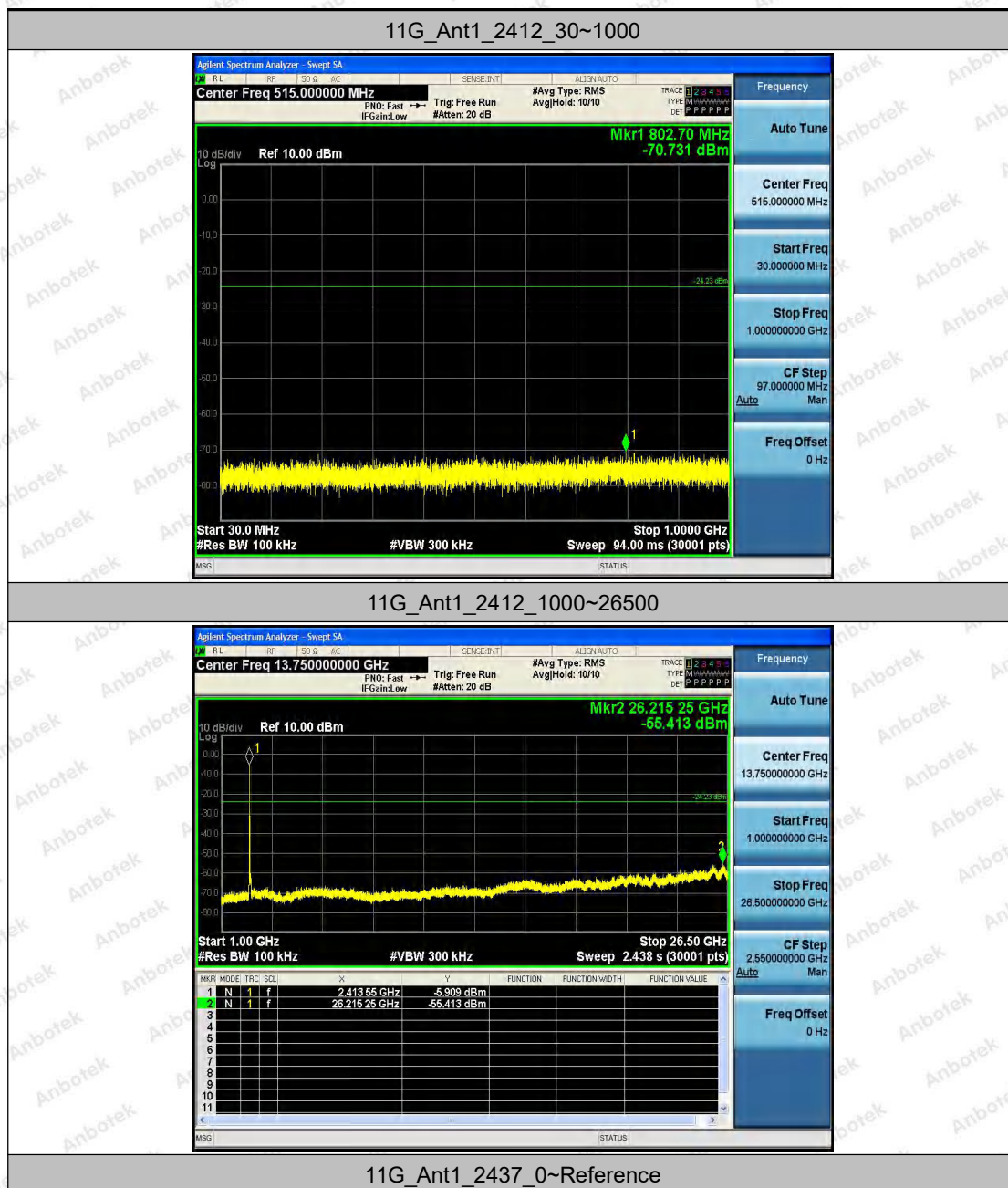


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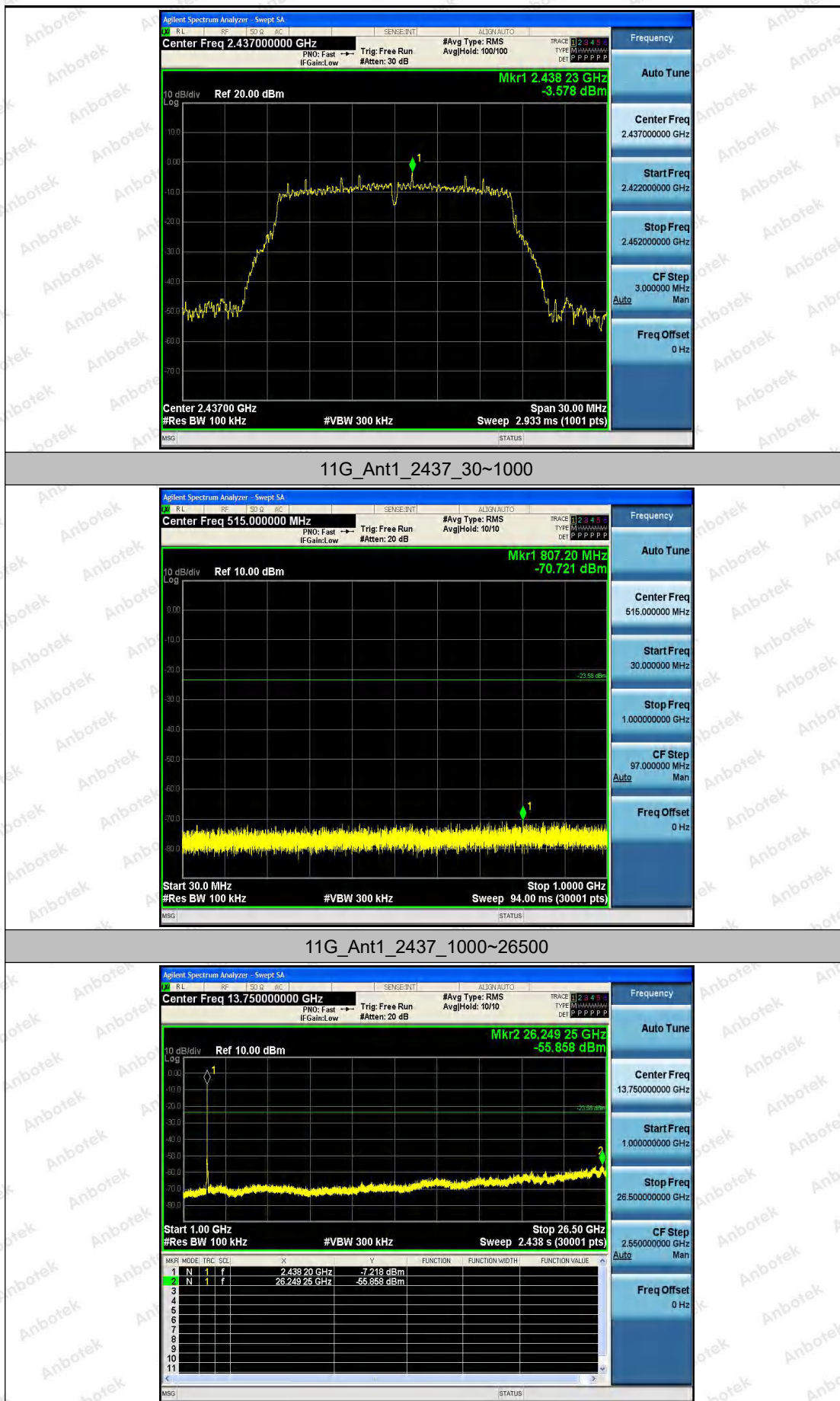


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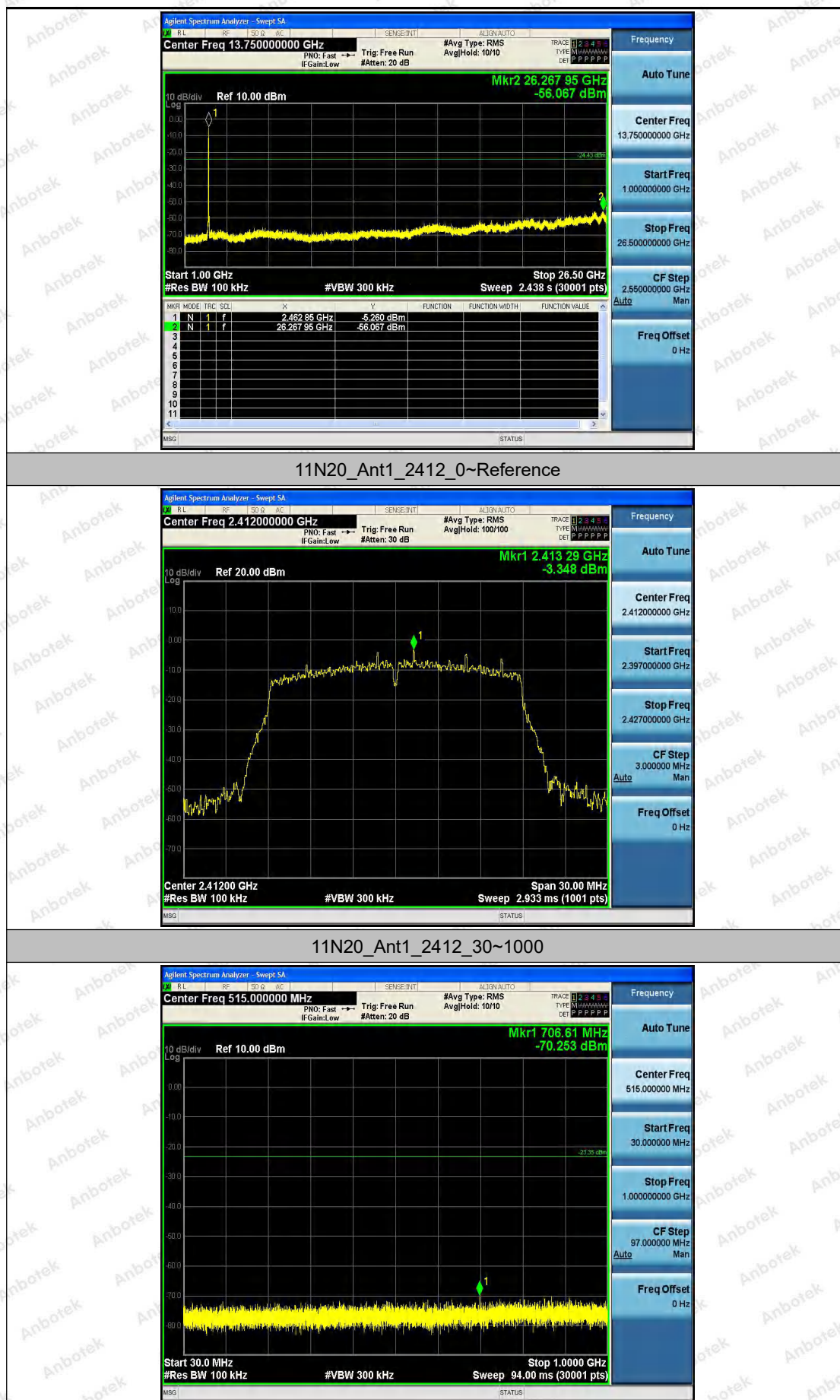
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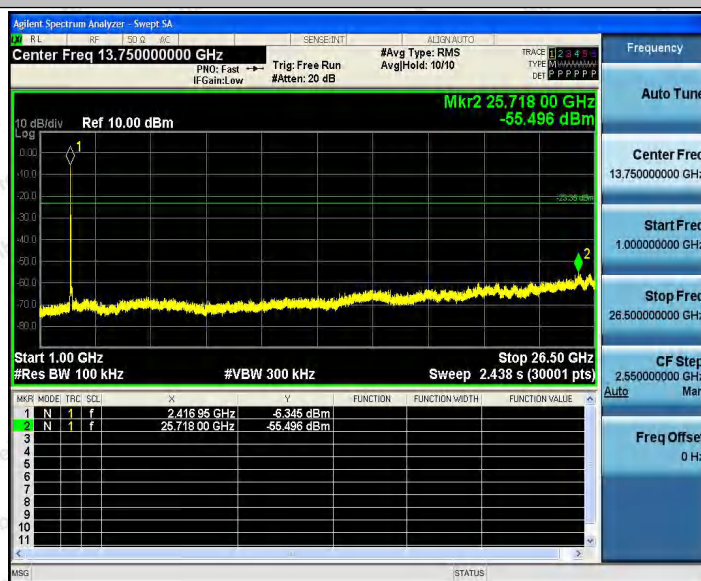
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



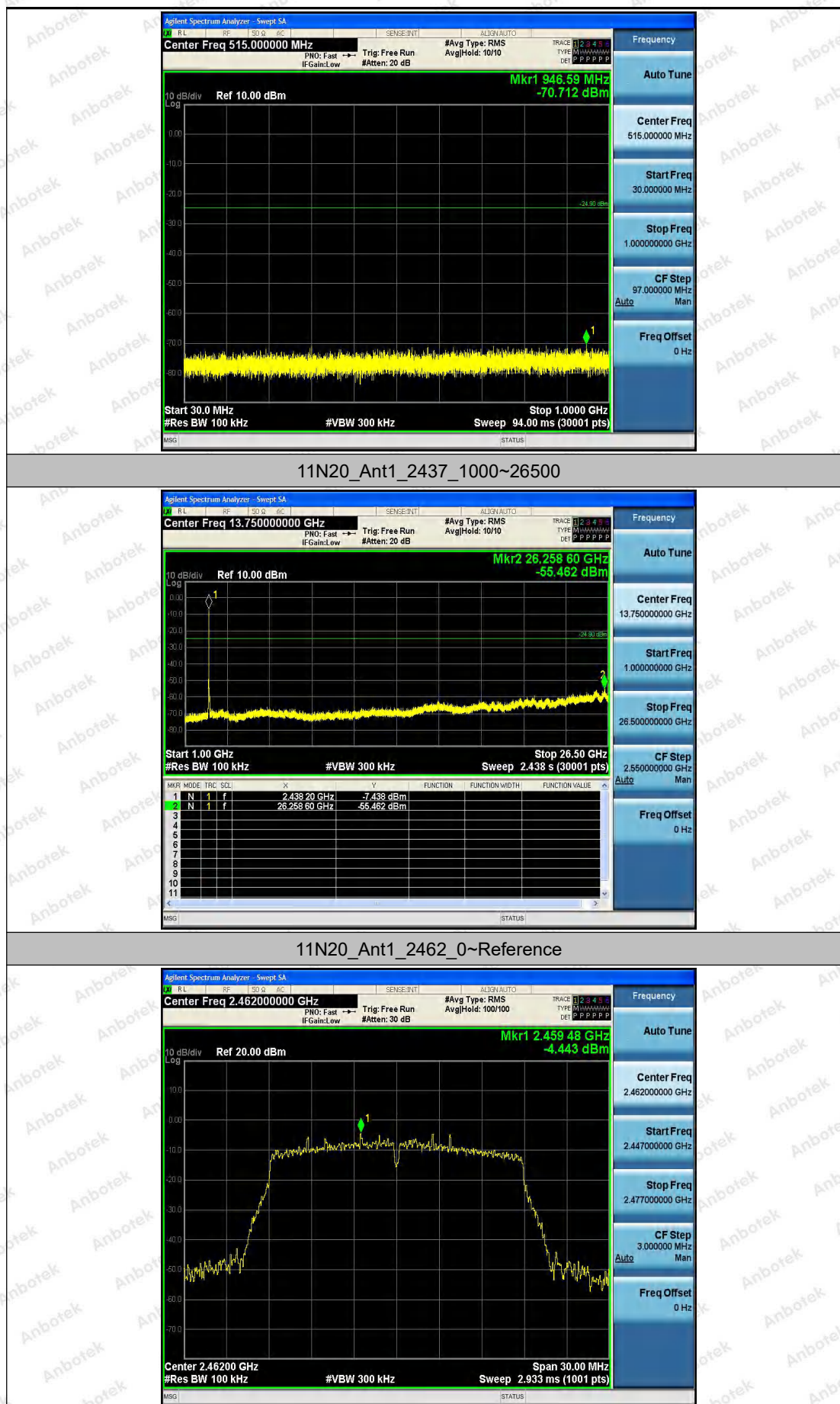
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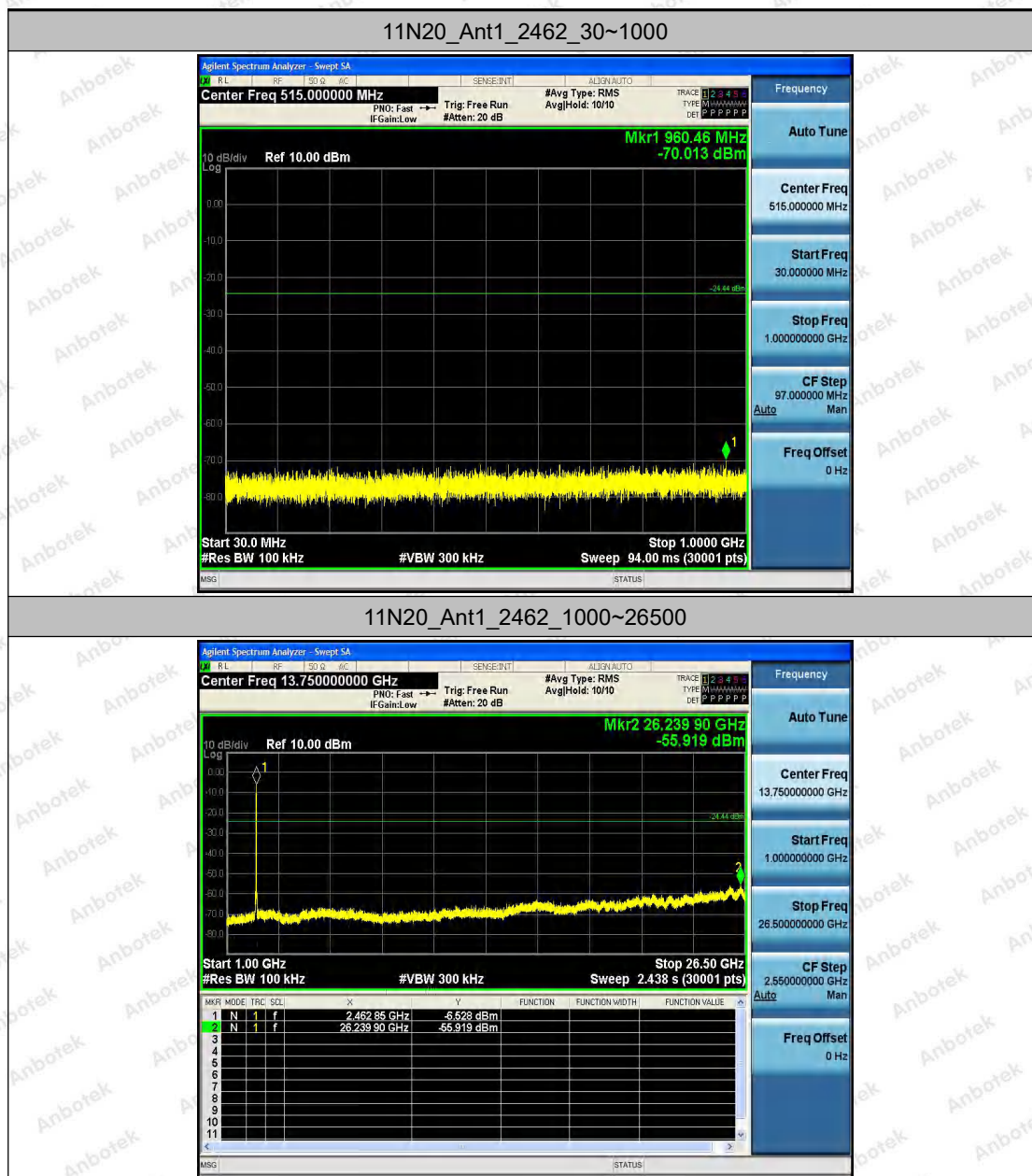


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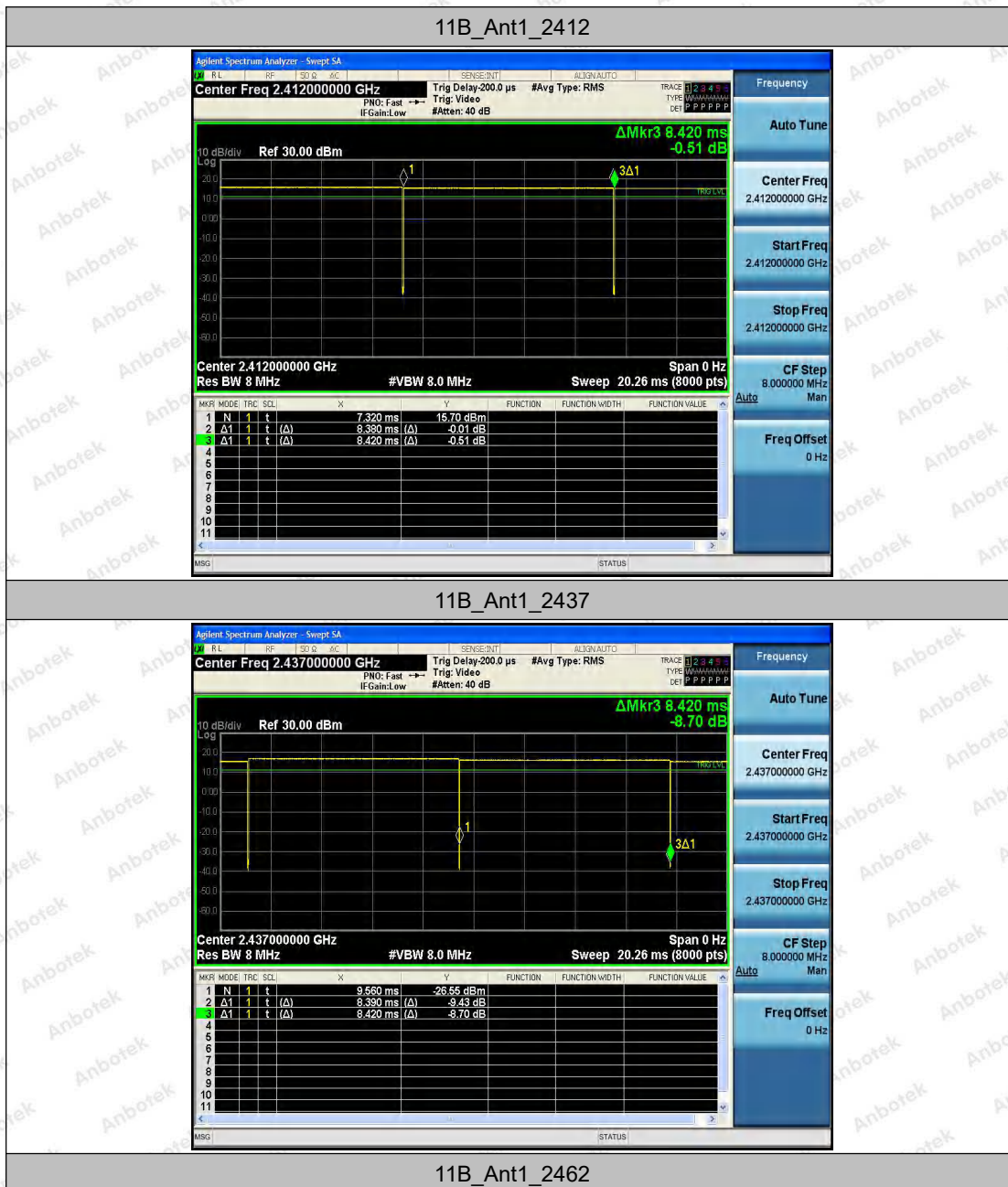
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.42	99.52	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.38	8.42	99.52	---	PASS
11G	Ant1	2412	1.39	1.44	96.53	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.43	97.20	---	PASS
11N20	Ant1	2412	1.28	1.33	96.24	---	PASS
		2437	1.29	1.33	96.99	---	PASS
		2462	1.28	1.33	96.24	---	PASS

Test Graphs



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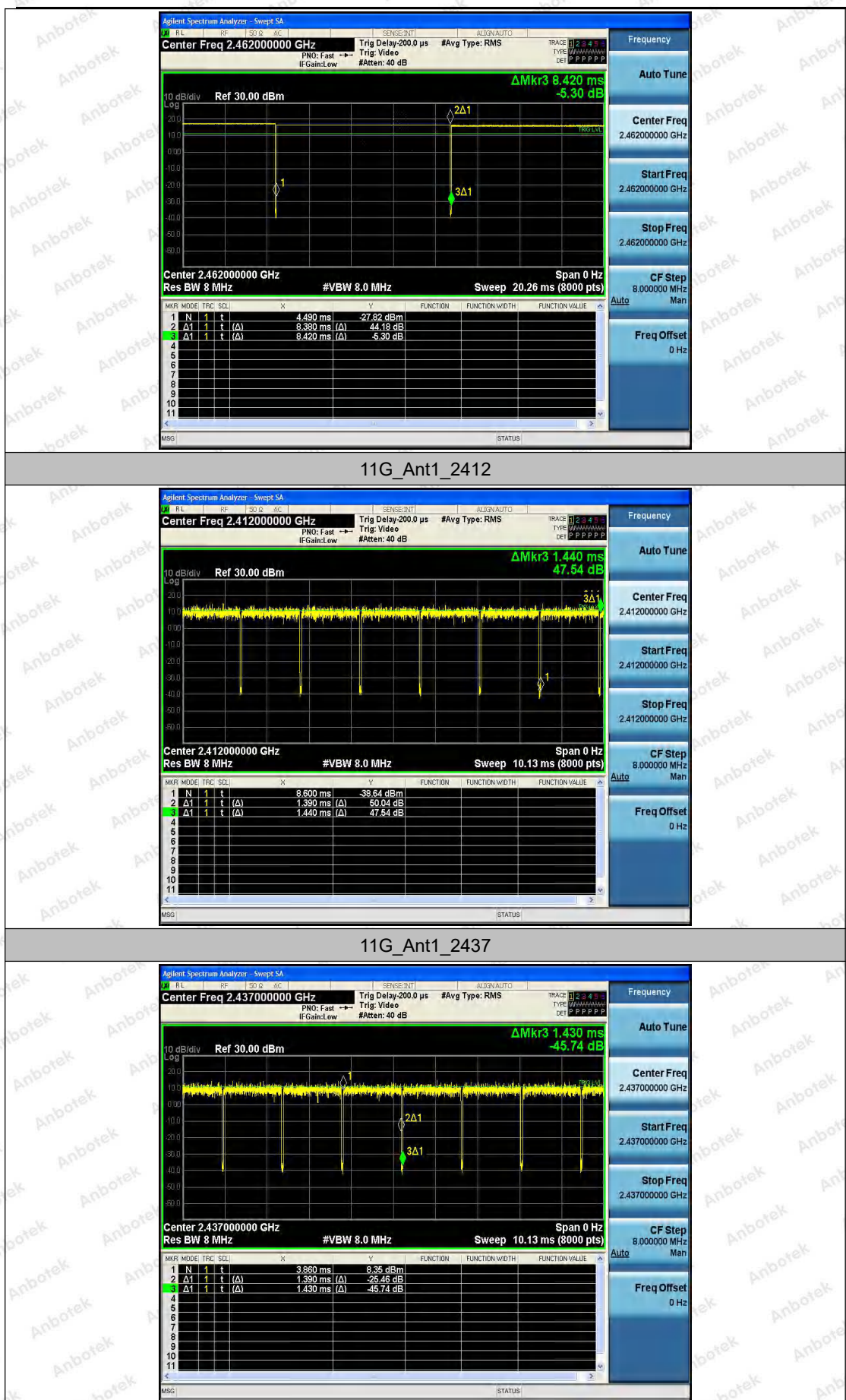
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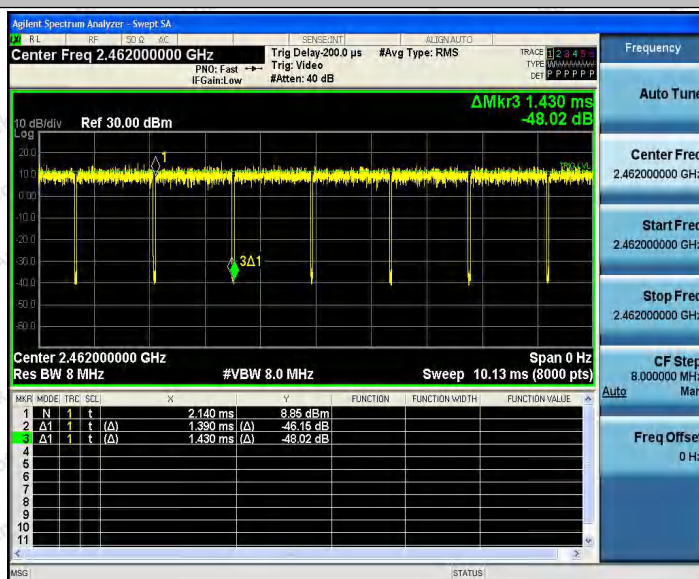
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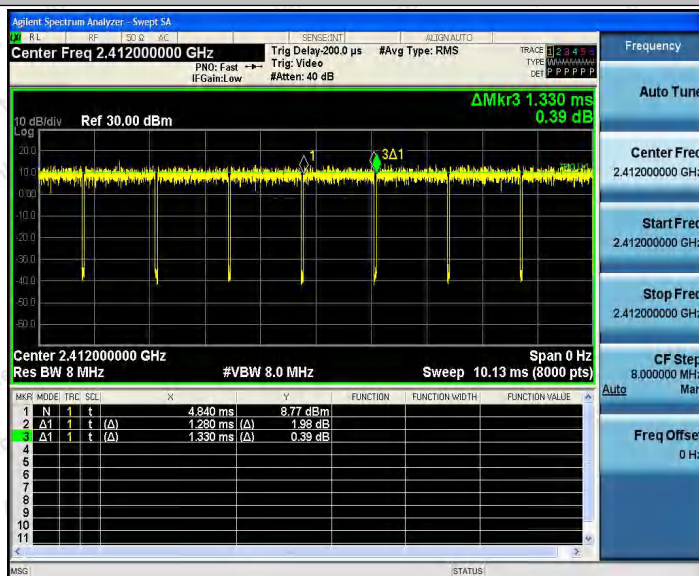
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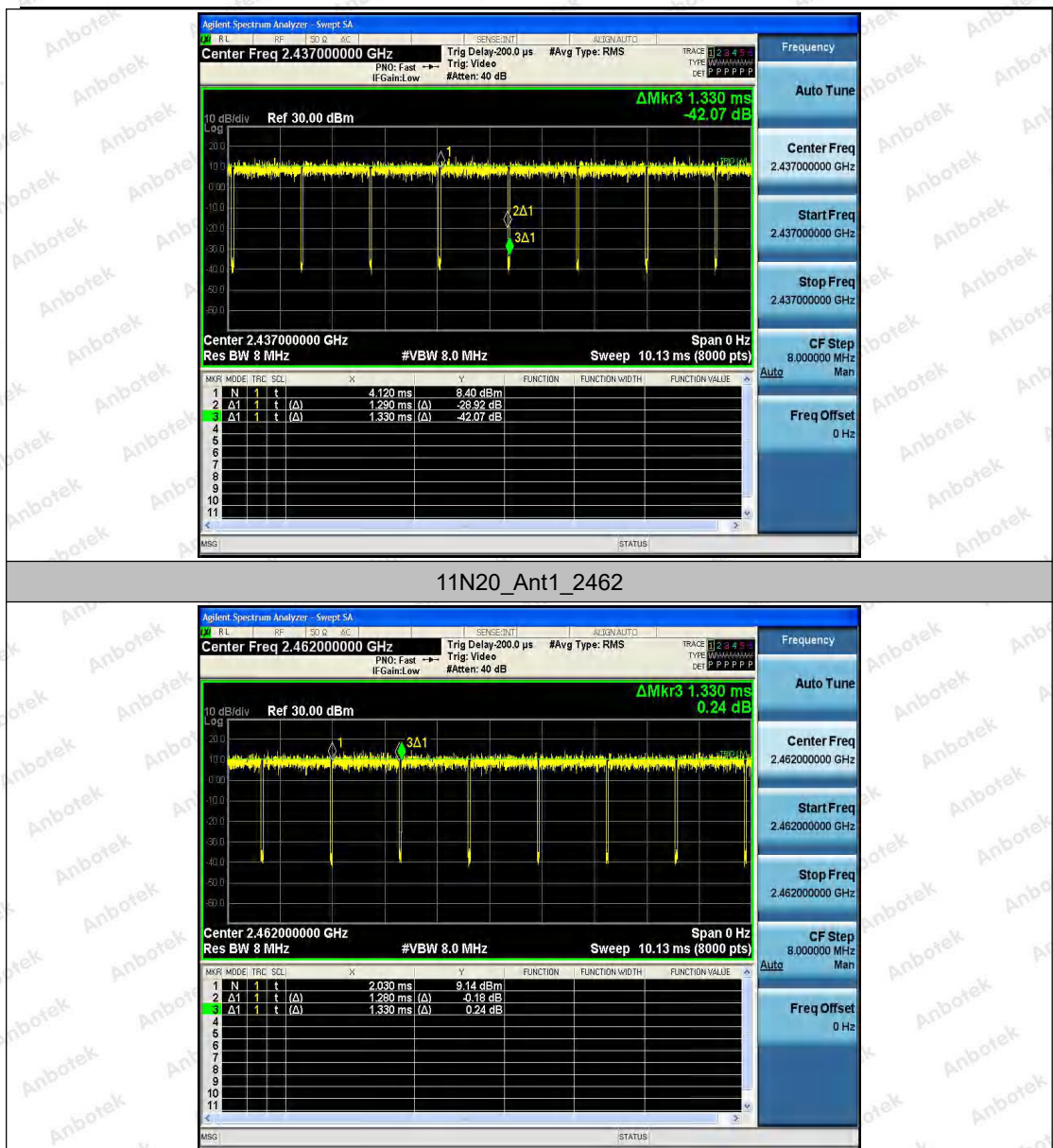
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



---End---