

Appendix Test Data

Report No.:	18220WC20058402	Test Sample No.:	1-2-2
Start Test Date:	2022.3.25	Finish Test Date:	2022.3.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	9.160	2407.440	2416.600	≥0.5	PASS
		2437	9.160	2432.440	2441.600	≥0.5	PASS
		2462	9.200	2457.400	2466.600	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.000	2429.200	2445.200	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	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

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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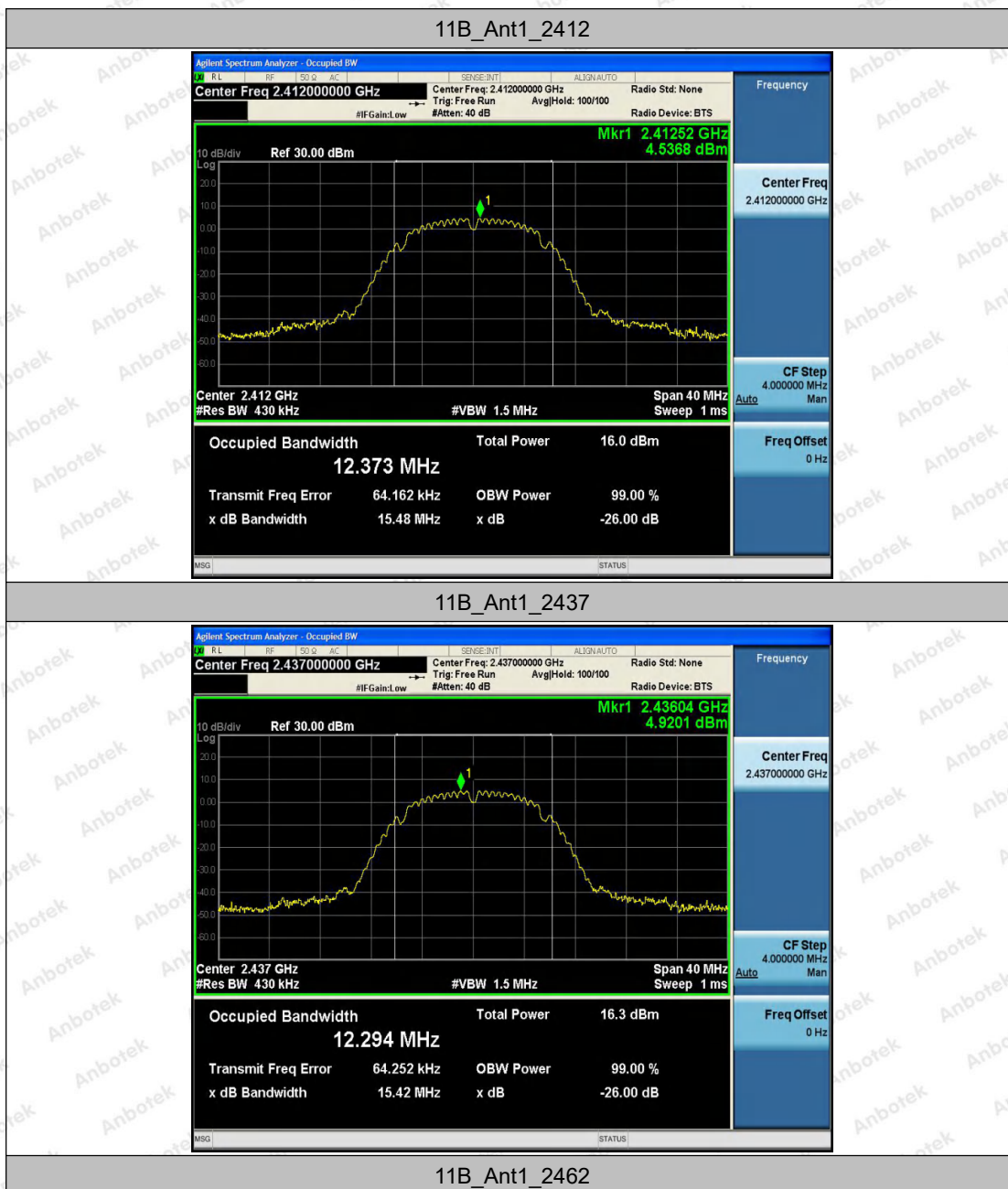
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.373	2405.878	2418.251	---	PASS
		2437	12.294	2430.917	2443.211	---	PASS
		2462	12.329	2455.834	2468.163	---	PASS
11G	Ant1	2412	17.094	2403.520	2420.614	---	PASS
		2437	17.082	2428.544	2445.626	---	PASS
		2462	17.146	2453.479	2470.625	---	PASS
11N20	Ant1	2412	17.977	2403.072	2421.049	---	PASS
		2437	17.908	2428.080	2445.988	---	PASS
		2462	17.965	2453.014	2470.979	---	PASS

Test Graphs

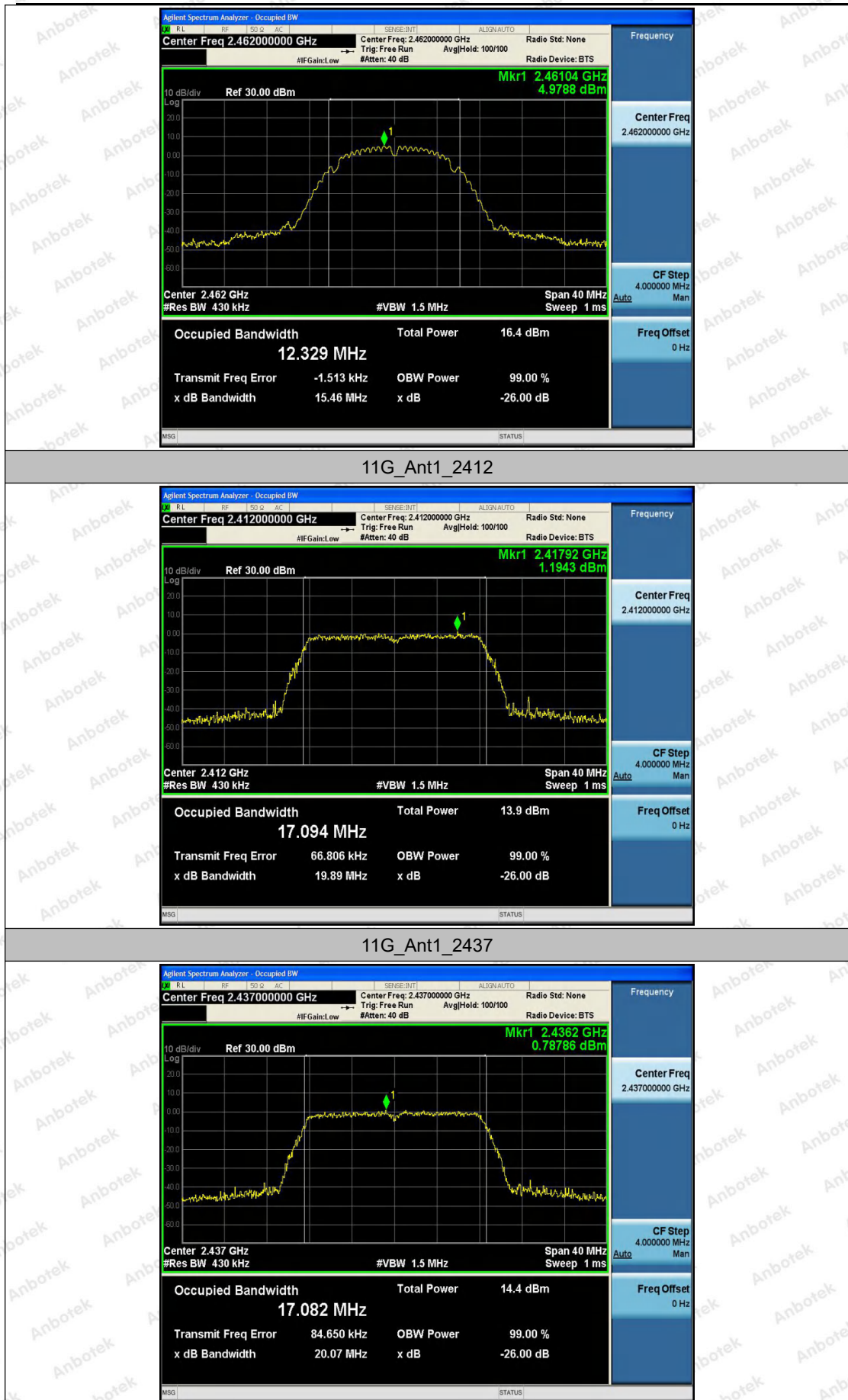


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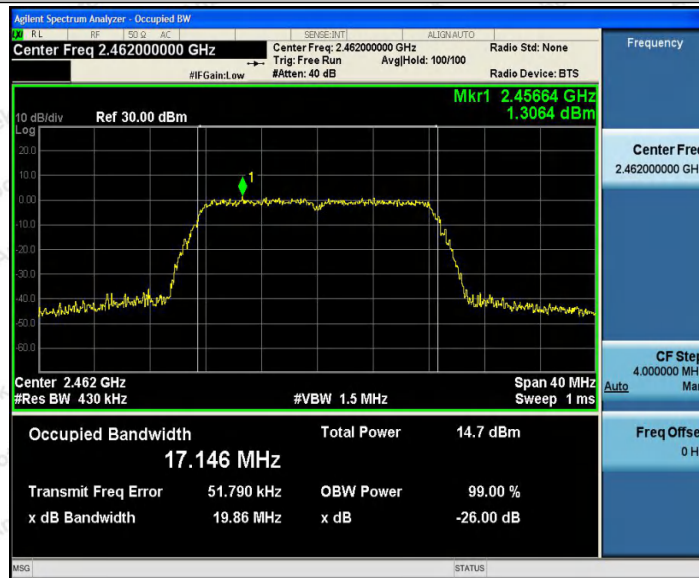
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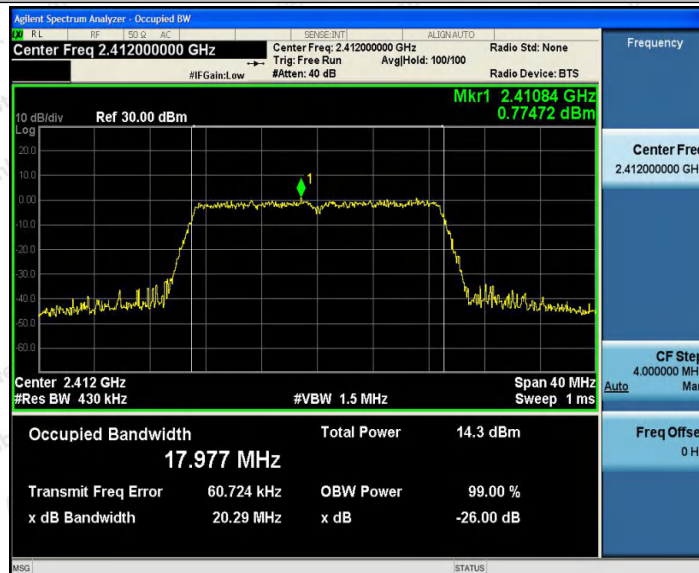
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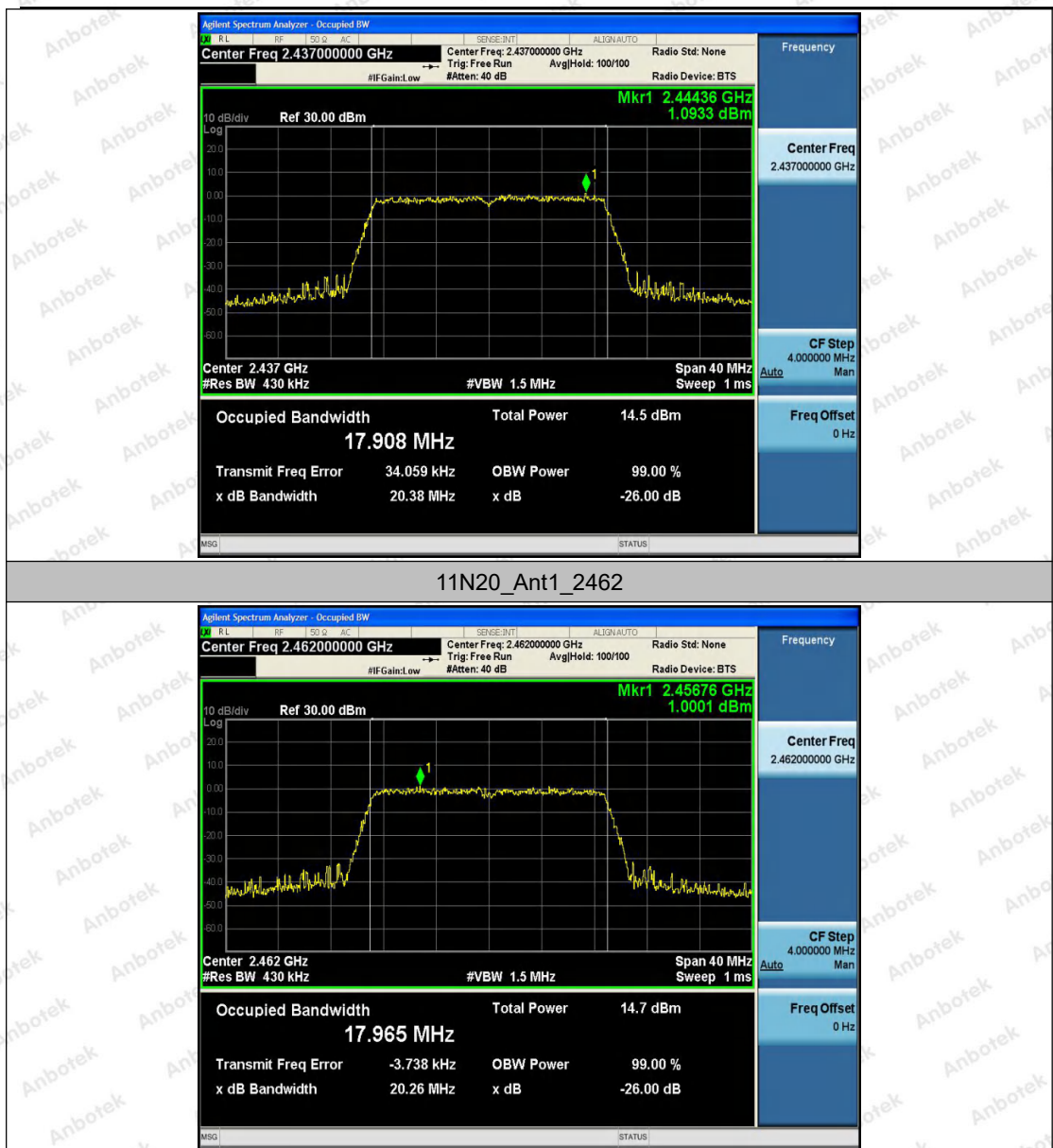
11G_Ant1_2462



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	16.04	≤30	PASS
		2437	16.09	≤30	PASS
		2462	16.44	≤30	PASS
11G	Ant1	2412	15.22	≤30	PASS
		2437	15.46	≤30	PASS
		2462	15.90	≤30	PASS
11N20	Ant1	2412	15.42	≤30	PASS
		2437	15.66	≤30	PASS
		2462	15.91	≤30	PASS

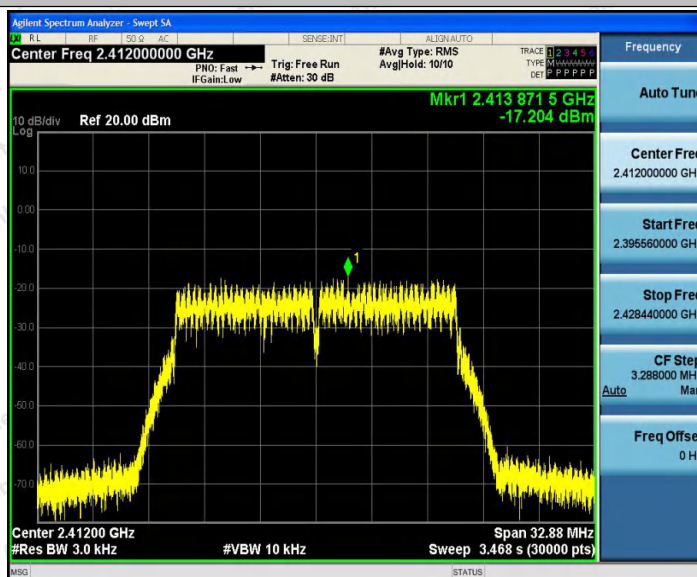
Appendix D: Maximum power spectral density

Test Result

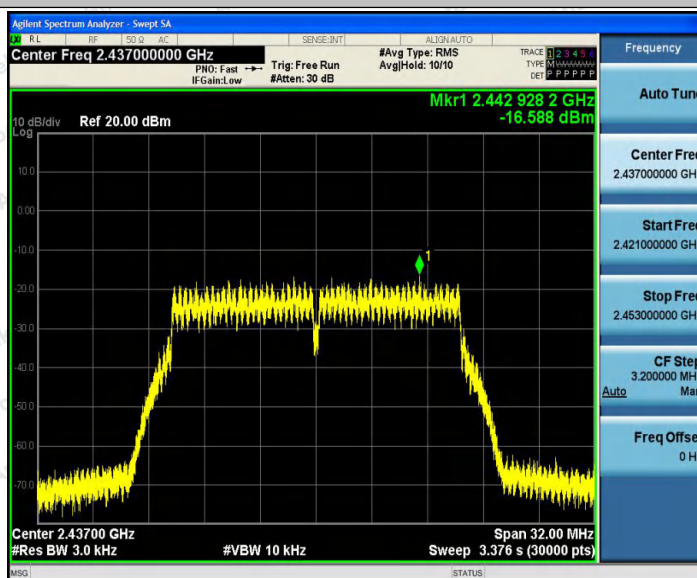
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.55	≤8	PASS
		2437	-8.81	≤8	PASS
		2462	-8.71	≤8	PASS
11G	Ant1	2412	-17.2	≤8	PASS
		2437	-16.59	≤8	PASS
		2462	-16.11	≤8	PASS
11N20	Ant1	2412	-16.39	≤8	PASS
		2437	-16.84	≤8	PASS
		2462	-17.2	≤8	PASS



11G_Ant1_2412



11G_Ant1_2437



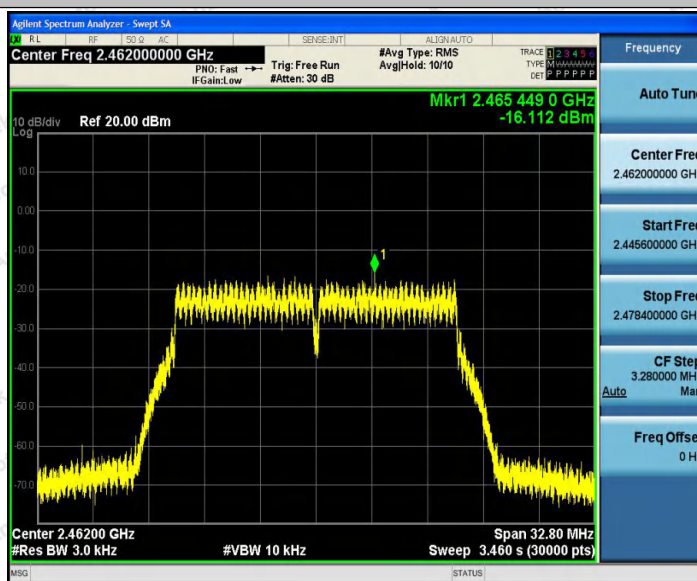
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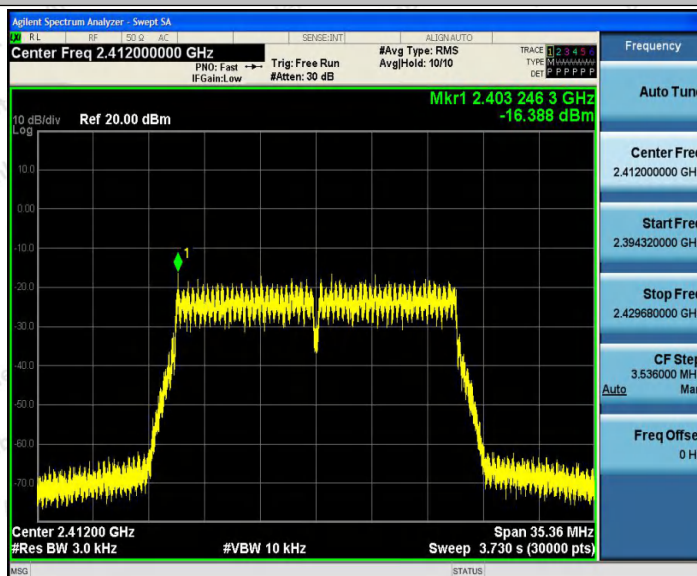
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11G_Ant1_2462



11N20_Ant1_2412



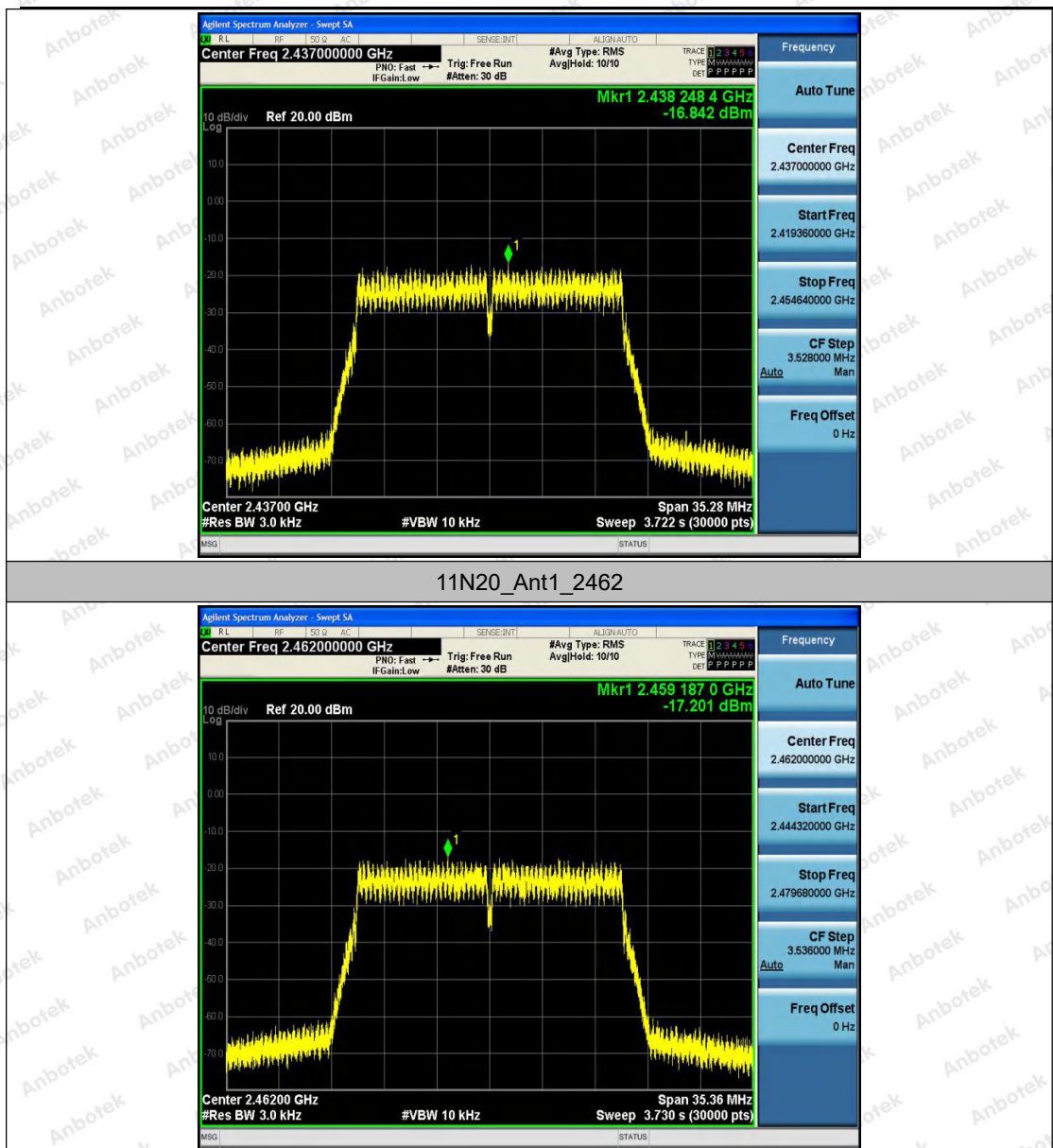
11N20_Ant1_2437

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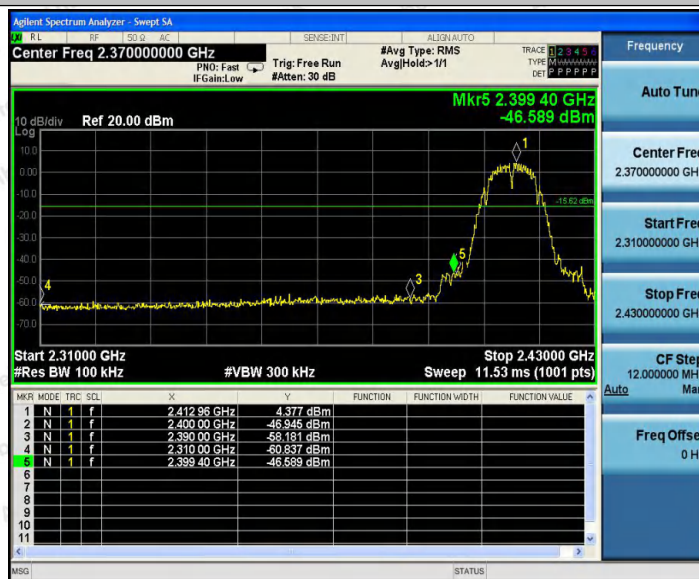
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.38	-46.59	≤ -15.62	PASS
		High	2462	4.83	-55.24	≤ -15.17	PASS
11G	Ant1	Low	2412	-3.35	-48.31	≤ -23.35	PASS
		High	2462	-2.75	-52.9	≤ -22.75	PASS
11N20	Ant1	Low	2412	-2.96	-45.83	≤ -22.96	PASS
		High	2462	-2.37	-52.14	≤ -22.37	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412

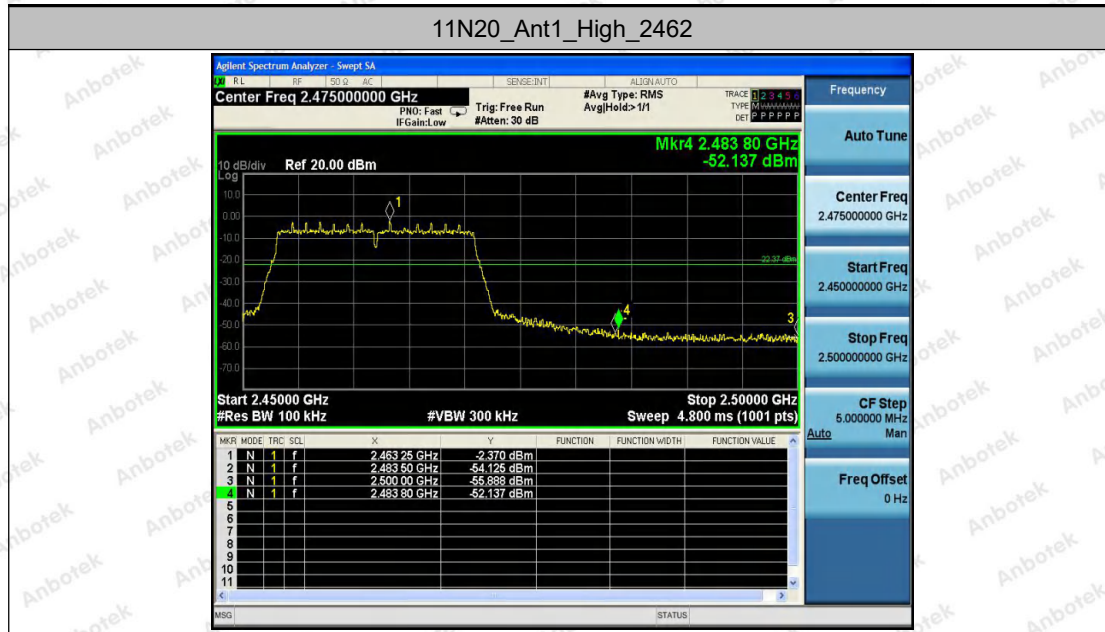


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Appendix F: Conducted Spurious Emission

Test Result

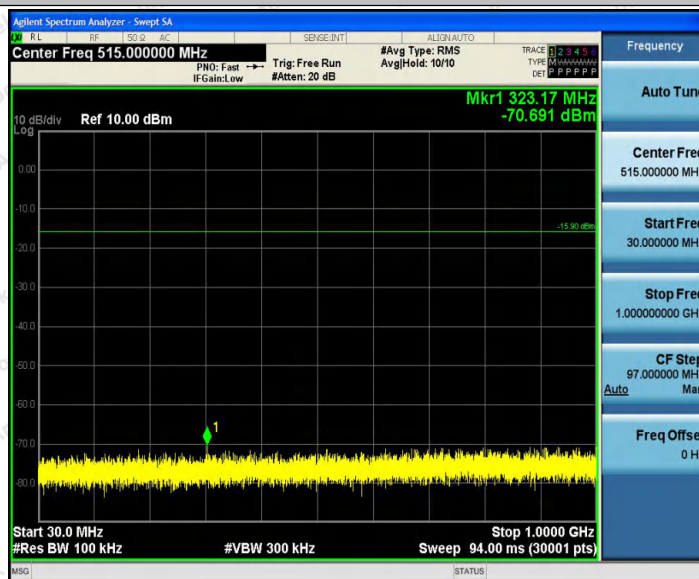
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-70.69	≤-15.9	PASS
			1000~26500	4.10	-53.81	≤-15.9	PASS
		2437	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-69.89	≤-15.28	PASS
			1000~26500	4.72	-54.38	≤-15.28	PASS
		2462	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-70.15	≤-15.52	PASS
			1000~26500	4.48	-55.33	≤-15.52	PASS
11G	Ant1	2412	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-69.6	≤-22.81	PASS
			1000~26500	-2.81	-55.13	≤-22.81	PASS
		2437	Reference	-2.85	-2.85	---	PASS
			30~1000	-2.85	-69.52	≤-22.85	PASS
			1000~26500	-2.85	-56.04	≤-22.85	PASS
		2462	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-70	≤-22.73	PASS
			1000~26500	-2.73	-56.1	≤-22.73	PASS
11N20	Ant1	2412	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-70.58	≤-23.22	PASS
			1000~26500	-3.22	-55.78	≤-23.22	PASS
		2437	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-70	≤-23.09	PASS
			1000~26500	-3.09	-55.75	≤-23.09	PASS
		2462	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-1000	≤-22.49	PASS
			1000~26500	-2.49	-55.69	≤-22.49	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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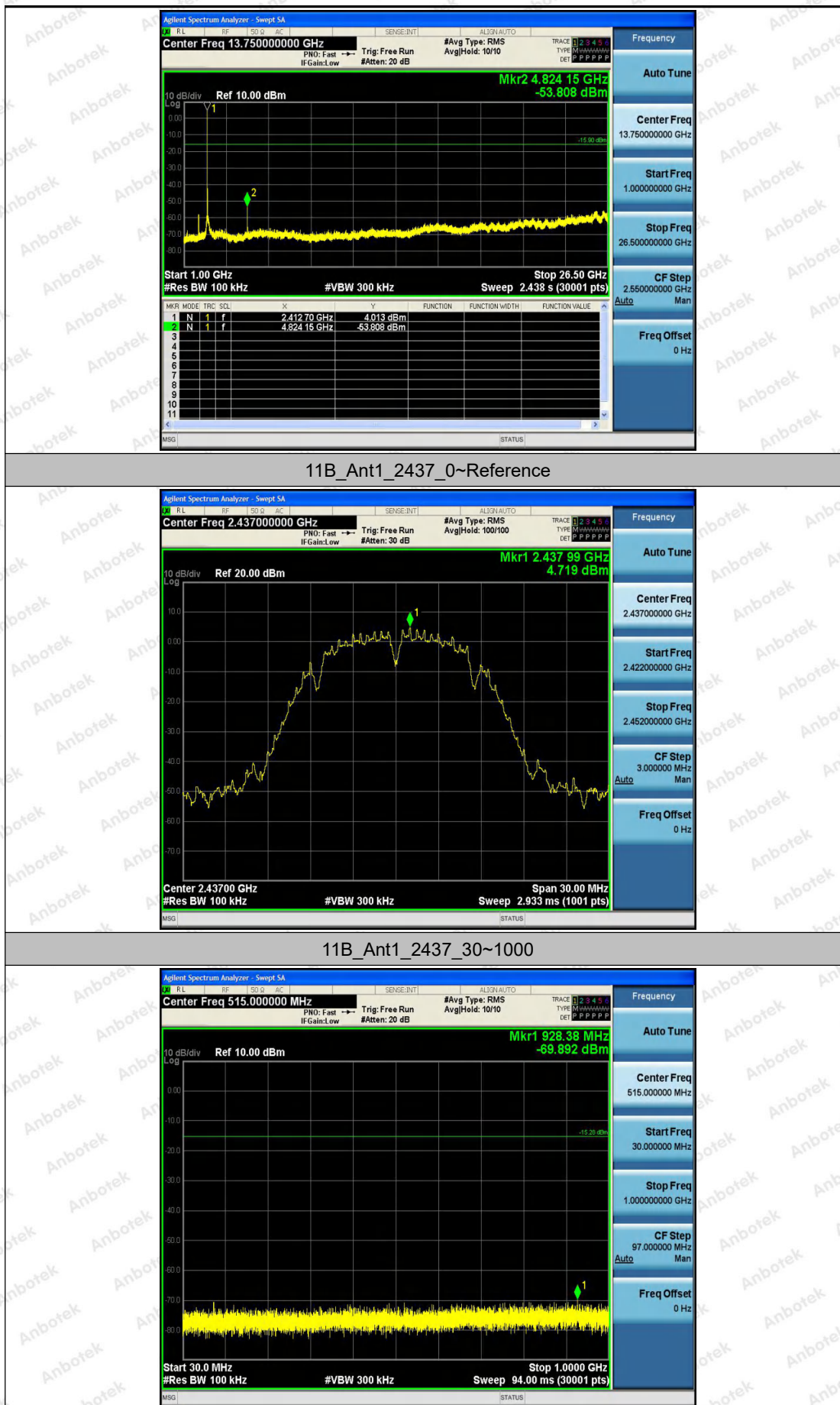
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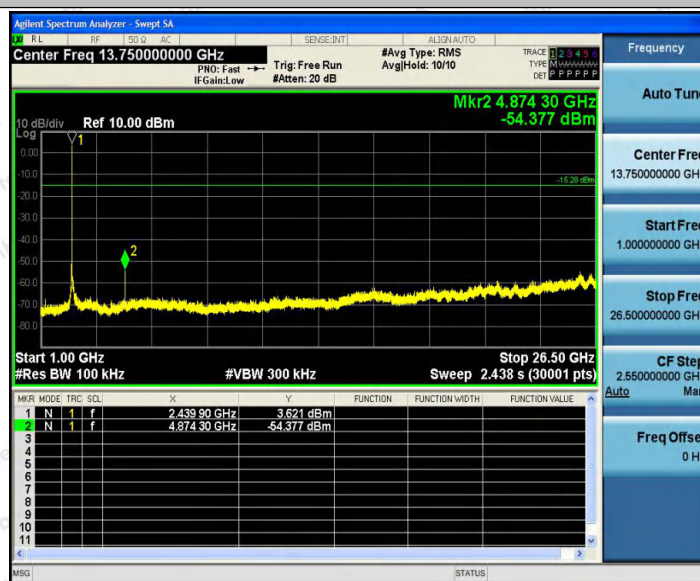
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



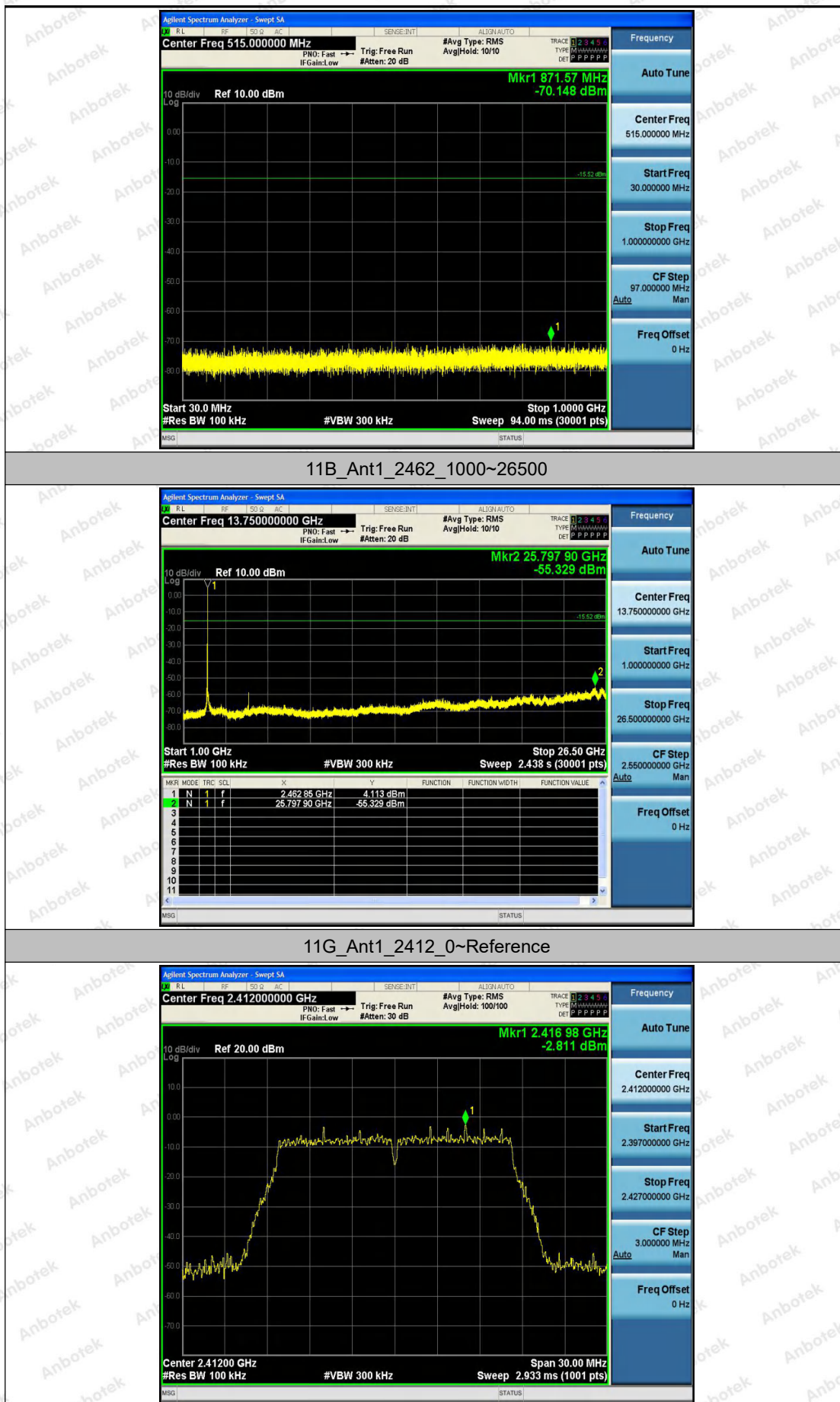
11B_Ant1_2462_30~1000

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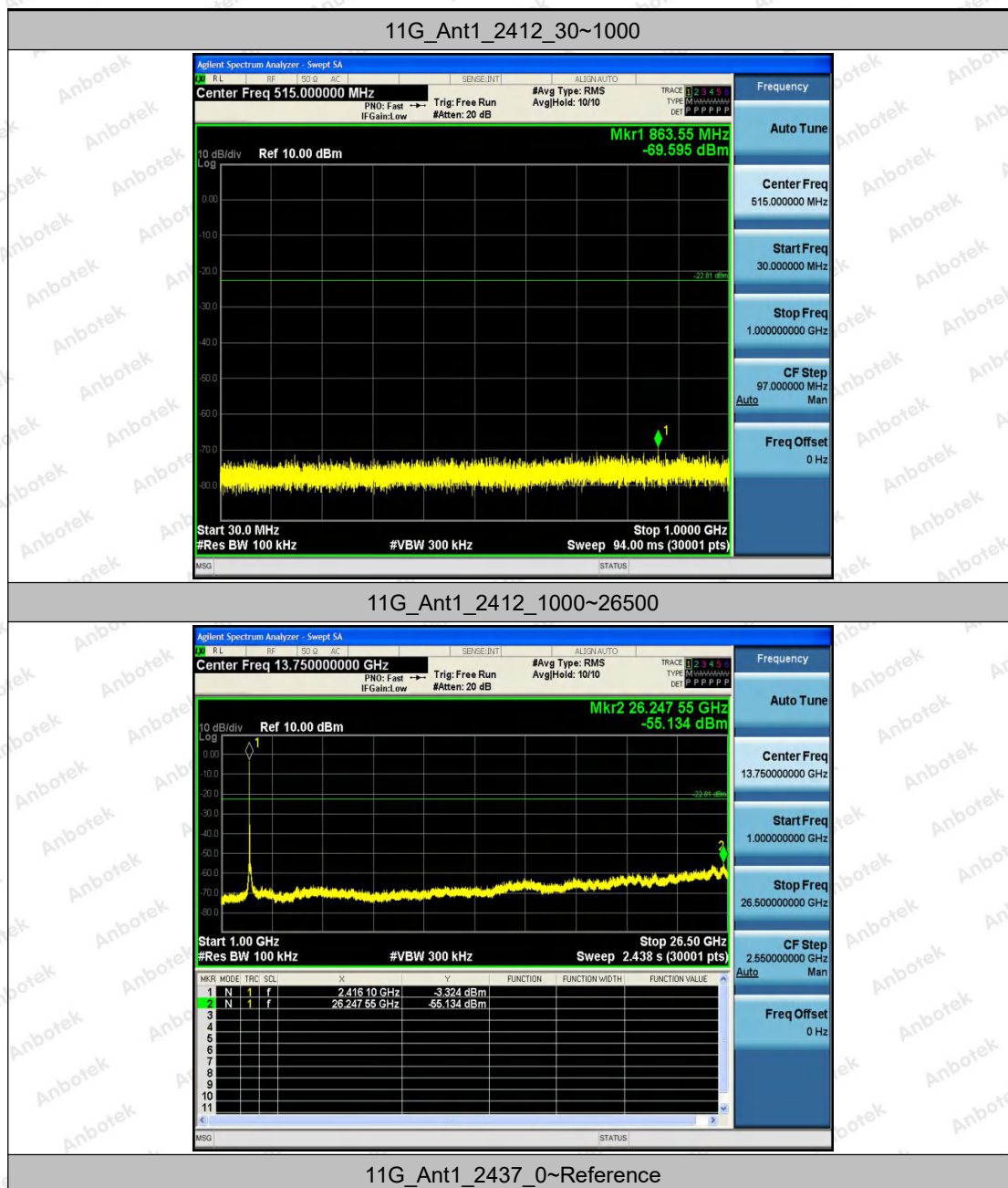


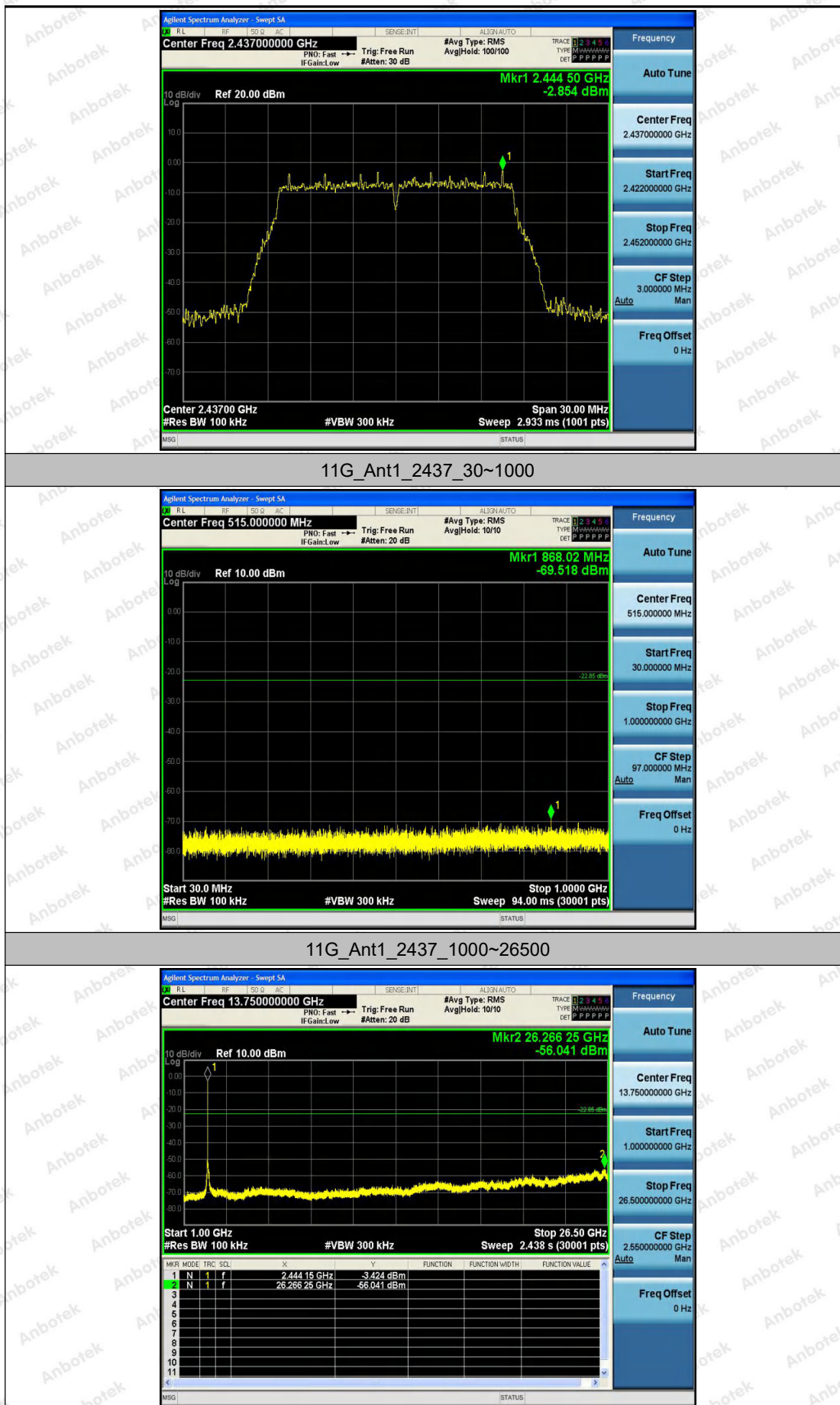
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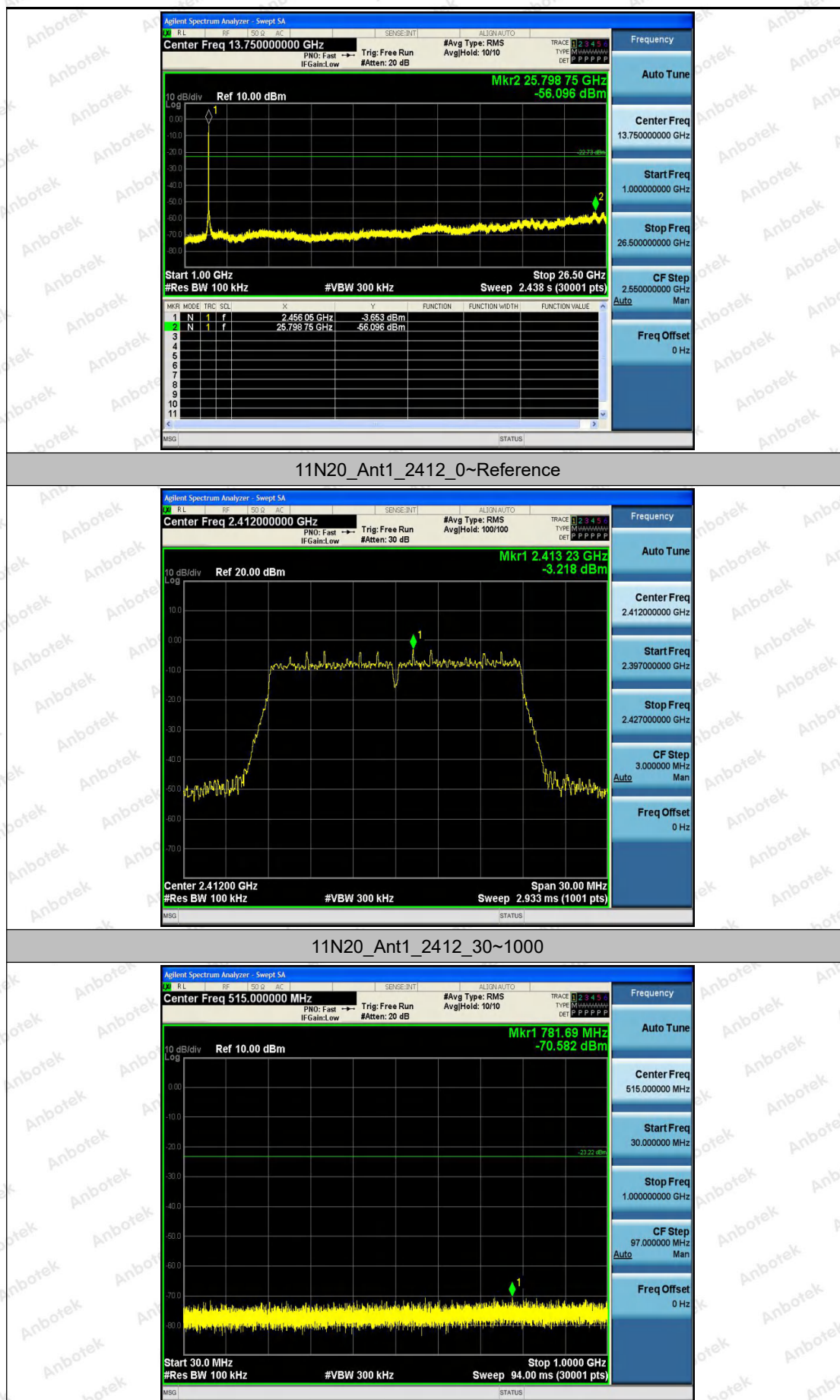
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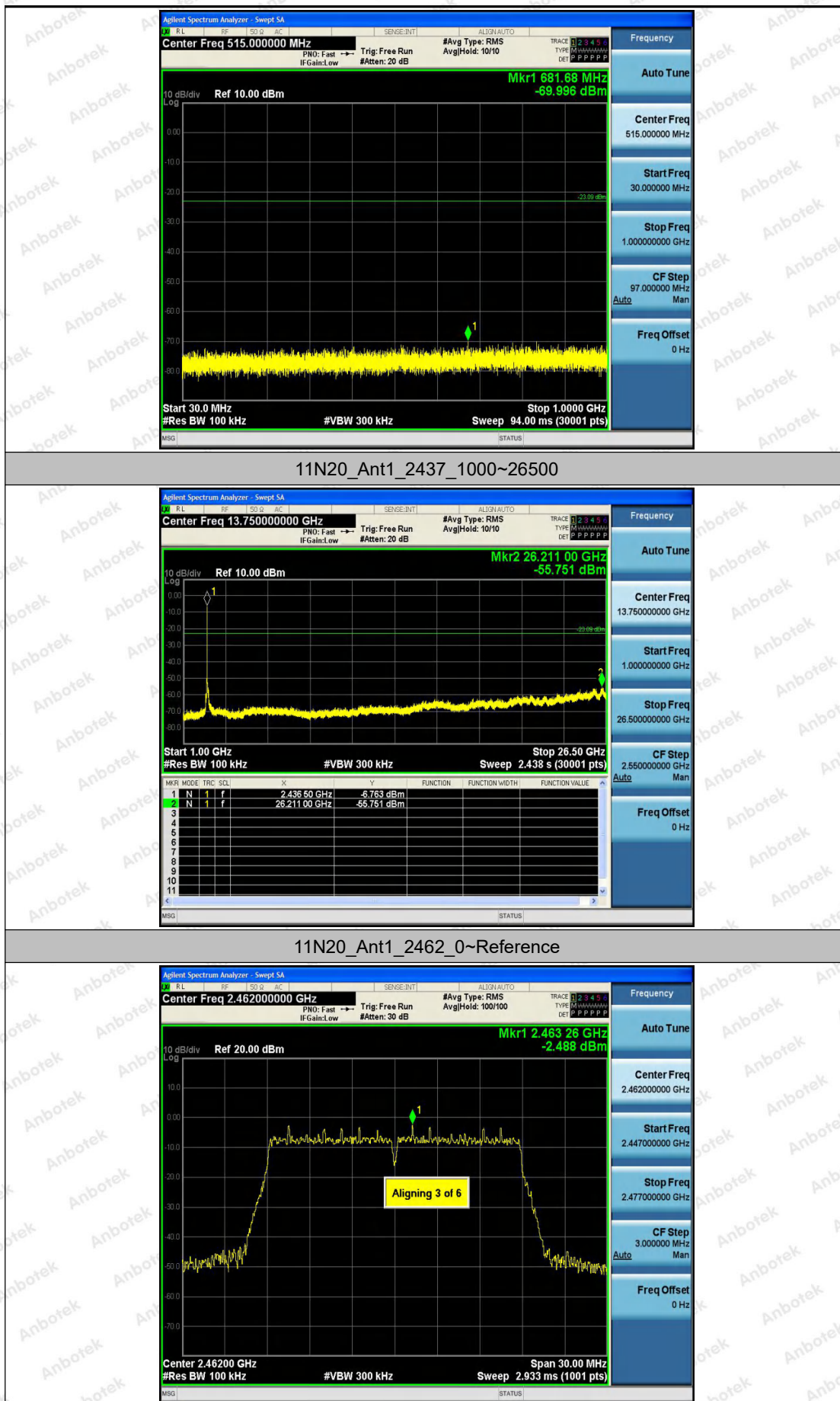
11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

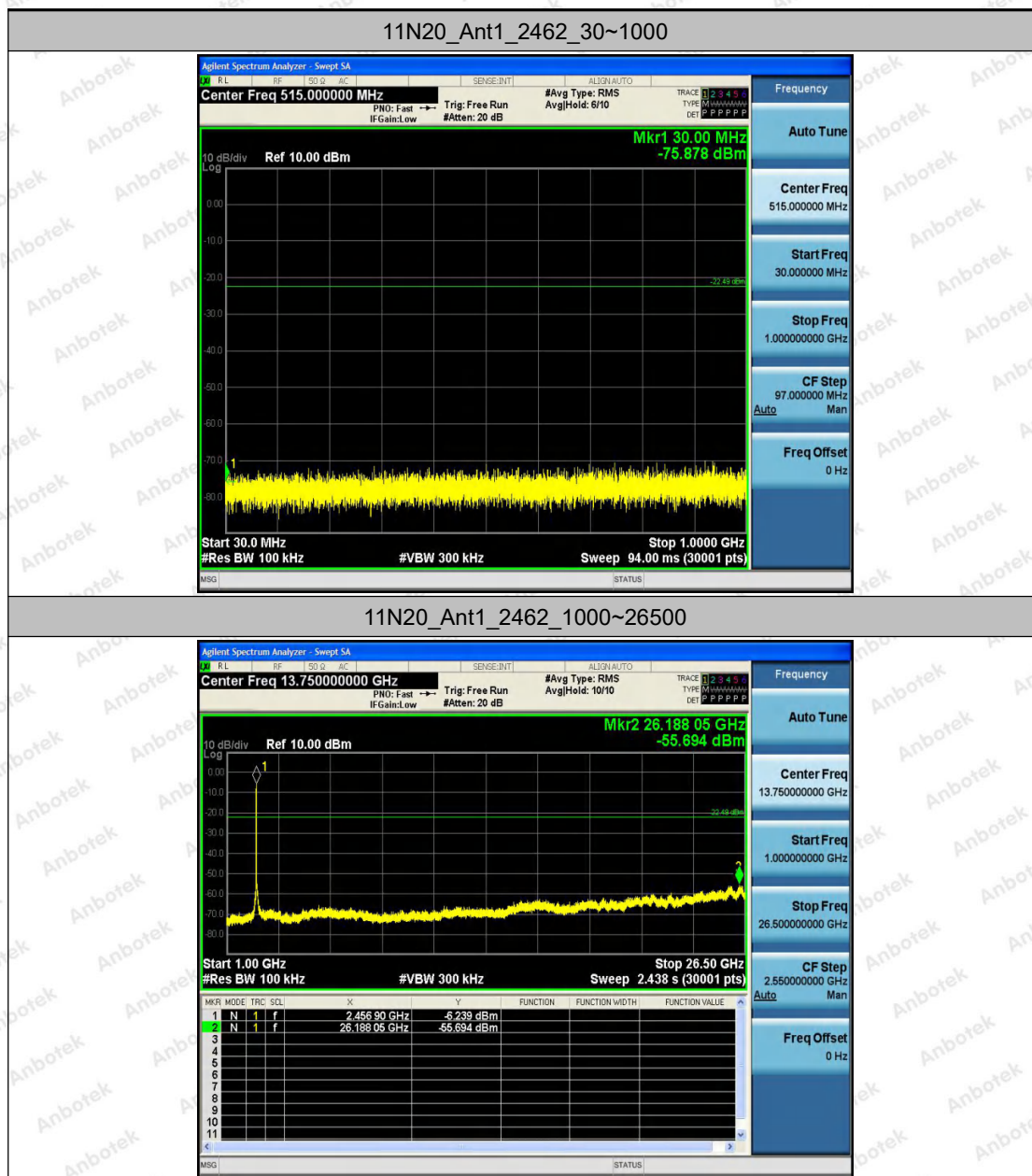


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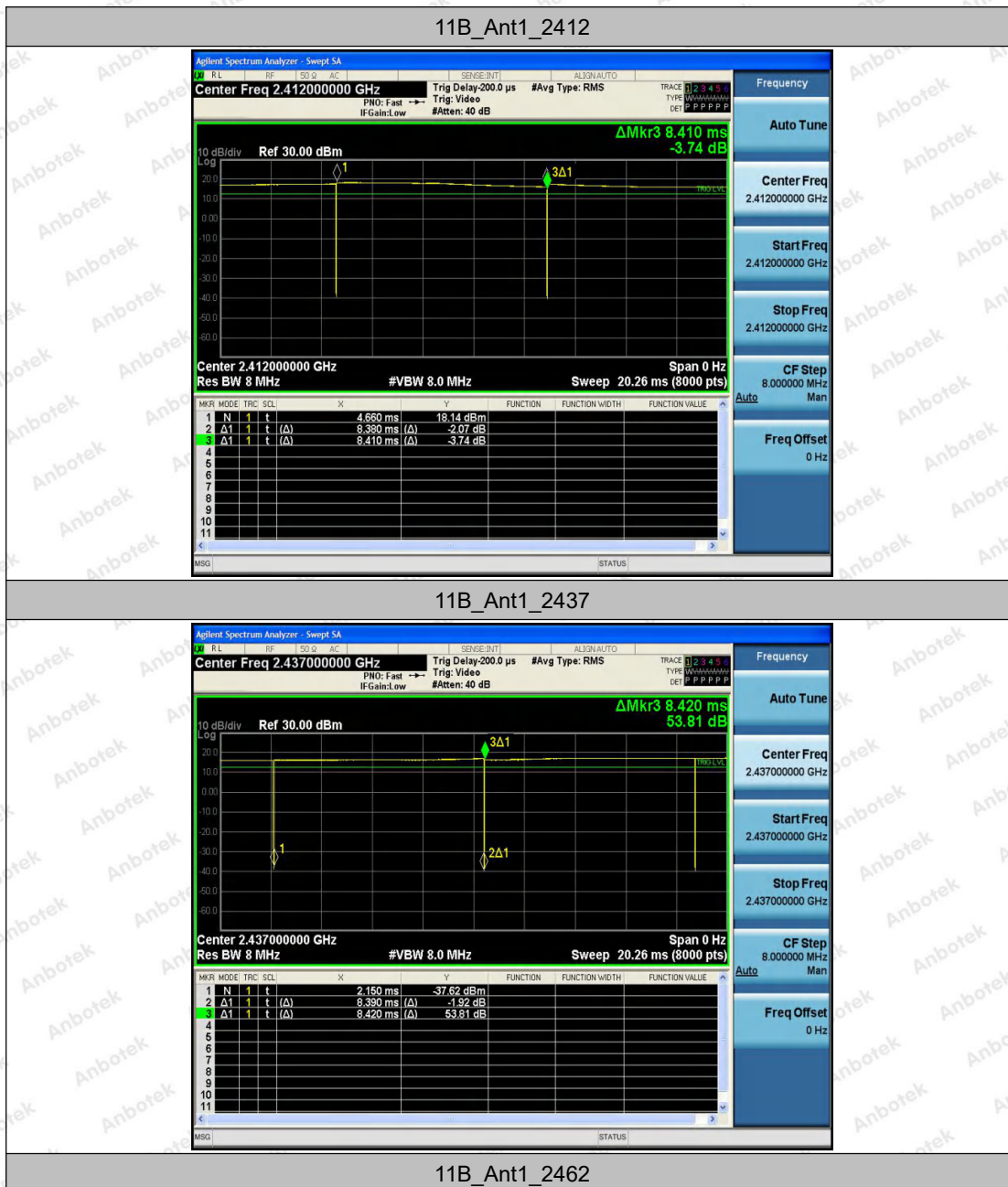
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.43	97.20	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.33	97.74	---	PASS

Test Graphs



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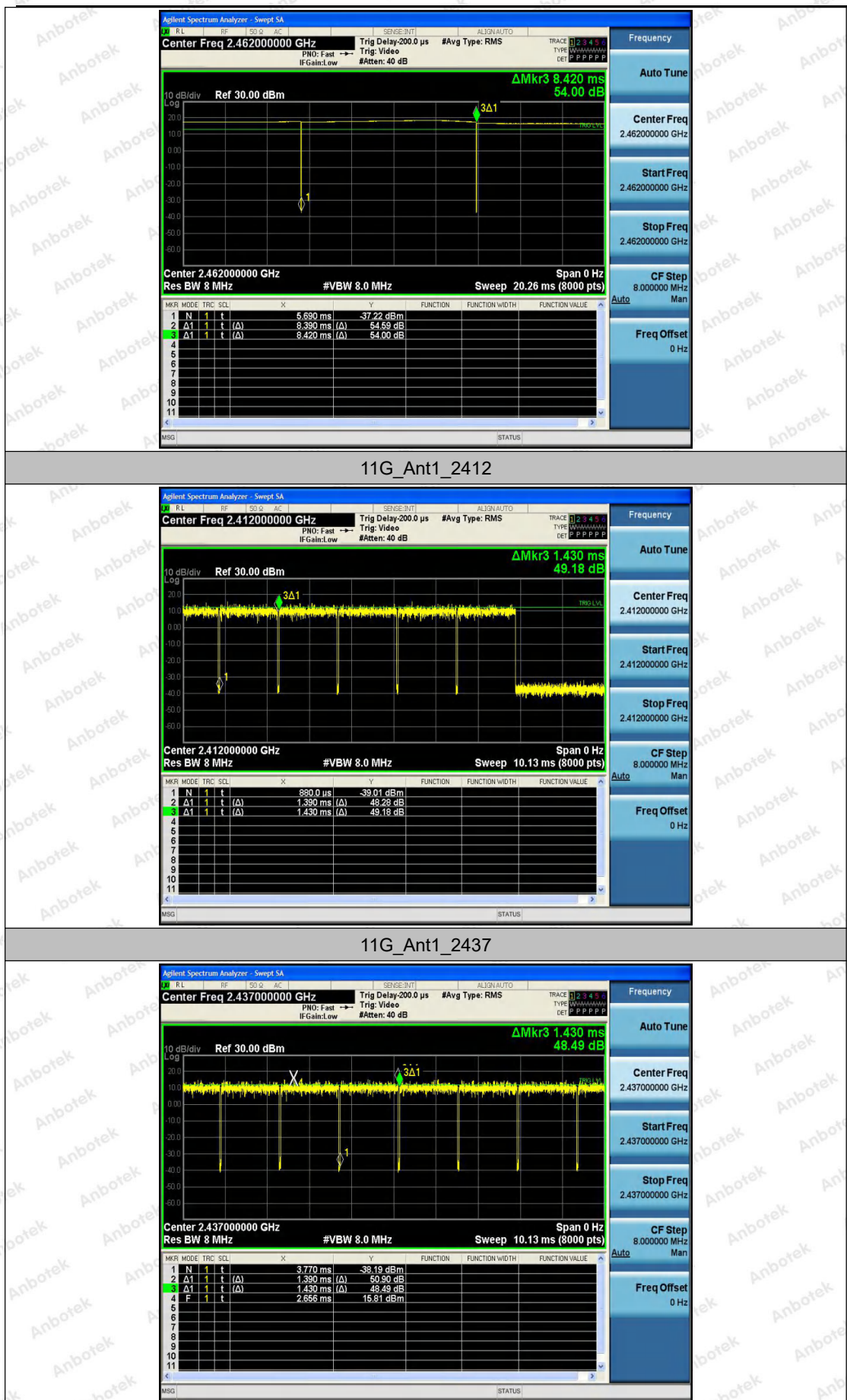
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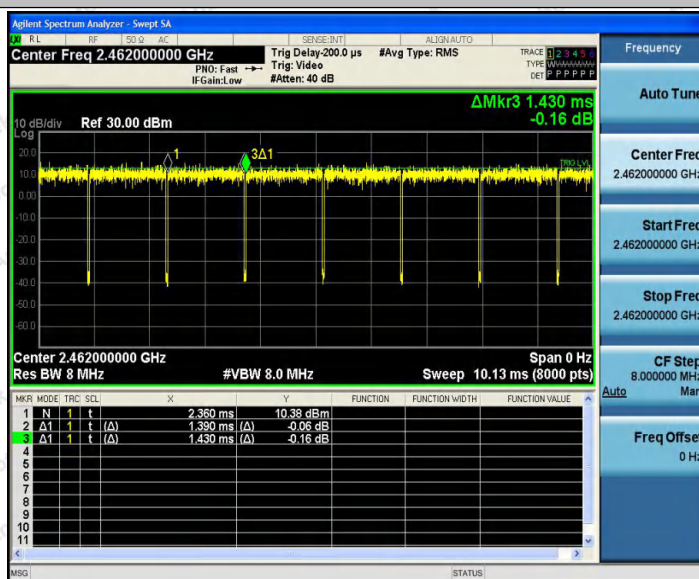
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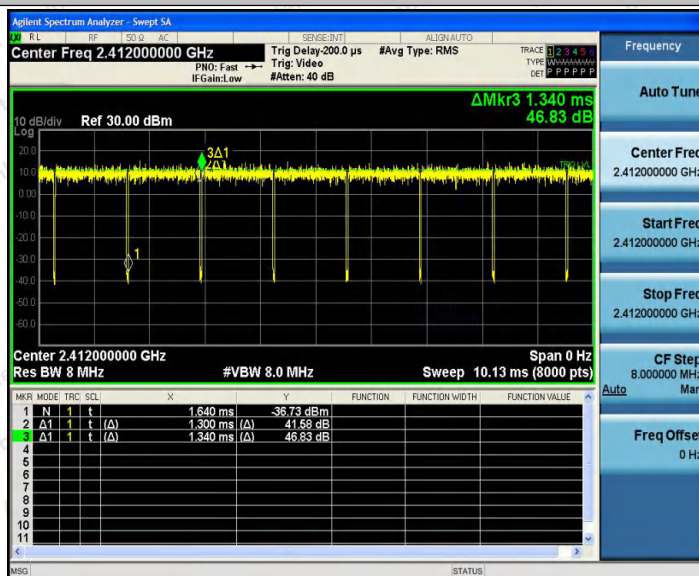
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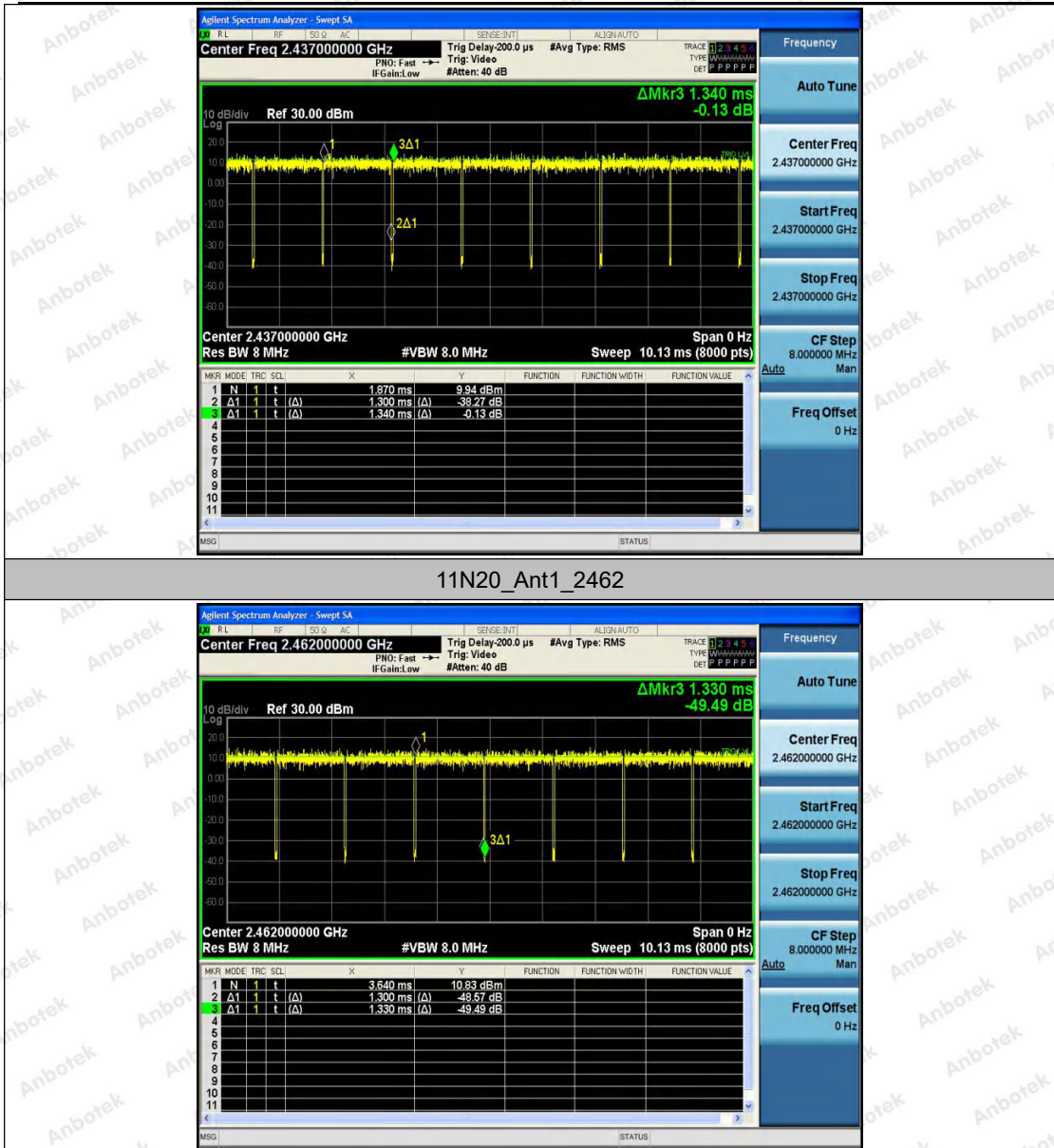
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



---End---