

Appendix Test Data

Report No.:	18220WC20086303	Test Sample No.:	1-2-2
Start Test Date:	2022.4.21	Finish Test Date:	2022.4.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
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	9.120	2407.440	2416.560	≥0.5	PASS
		2437	9.160	2432.920	2442.080	≥0.5	PASS
		2462	8.680	2457.440	2466.120	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.480	2428.800	2445.280	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.640	2428.200	2445.840	≥0.5	PASS
		2462	17.720	2453.160	2470.880	≥0.5	PASS

Test Graphs

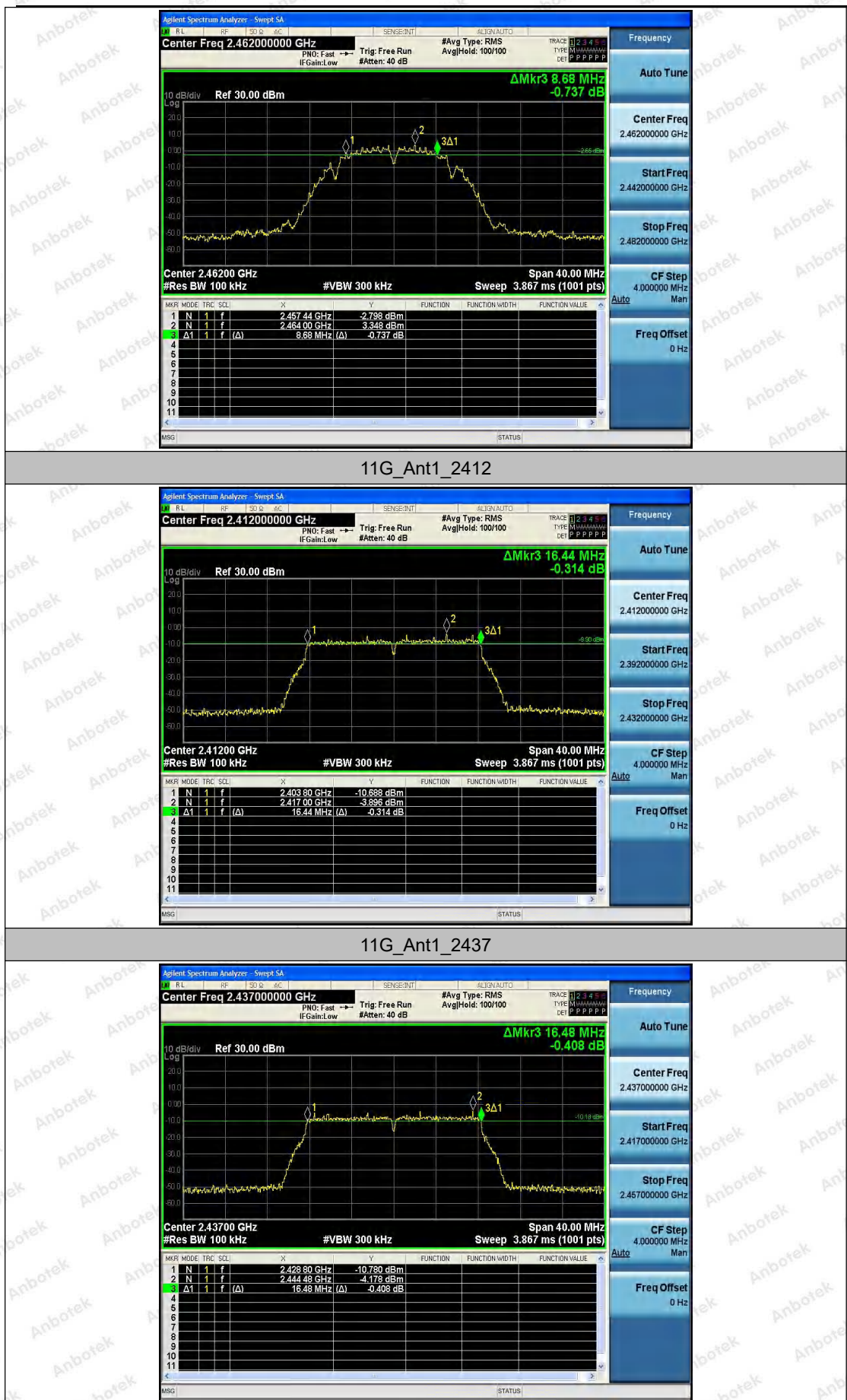
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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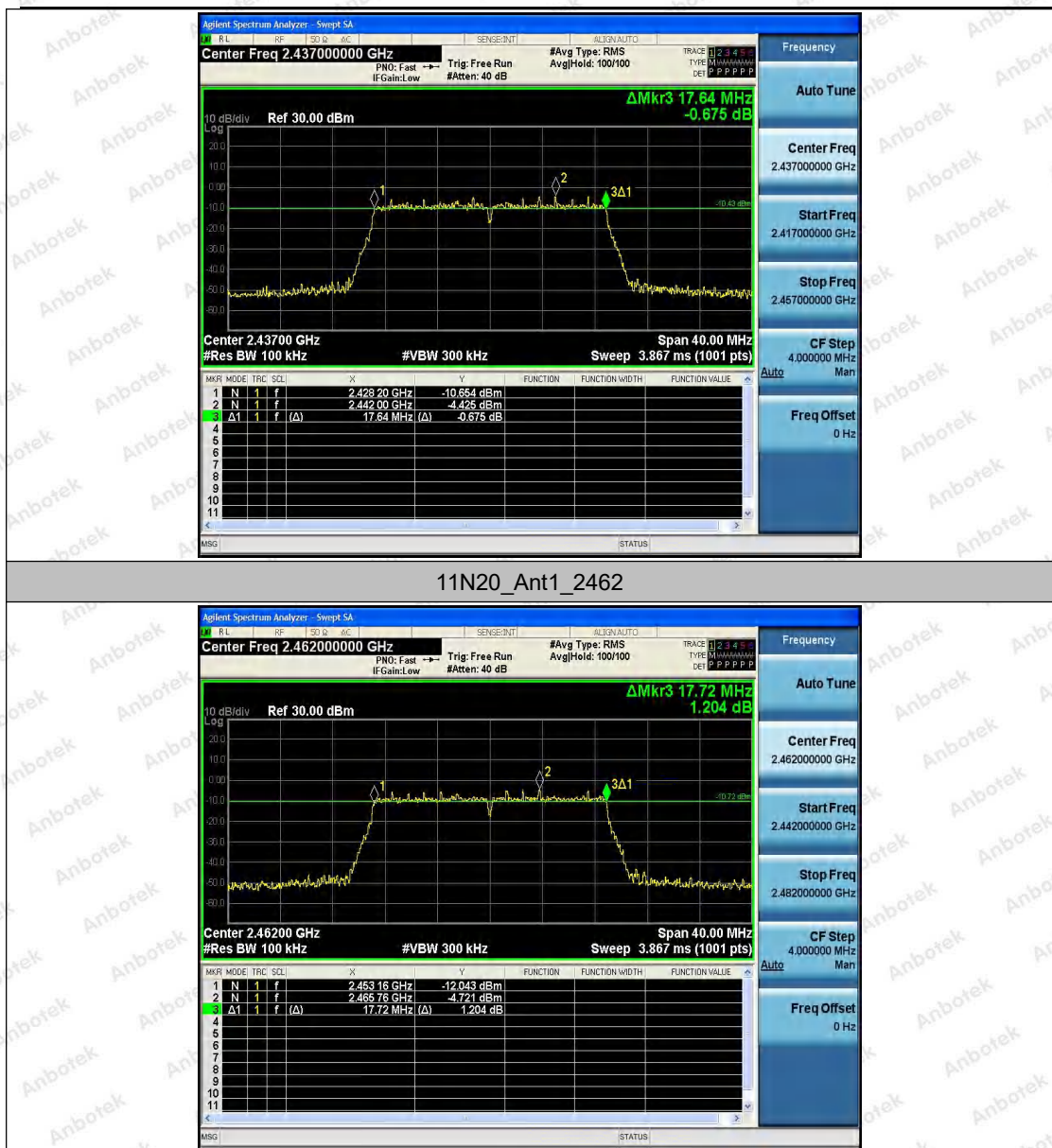
11G_Ant1_2462



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	12.352	2405.913	2418.265	---	PASS
		2437	12.267	2430.917	2443.184	---	PASS
		2462	12.305	2455.867	2468.172	---	PASS
11G	Ant1	2412	17.128	2403.487	2420.615	---	PASS
		2437	17.094	2428.458	2445.552	---	PASS
		2462	17.061	2453.472	2470.533	---	PASS
11N20	Ant1	2412	18.012	2403.068	2421.080	---	PASS
		2437	17.913	2428.056	2445.969	---	PASS
		2462	17.961	2453.031	2470.992	---	PASS

Test Graphs

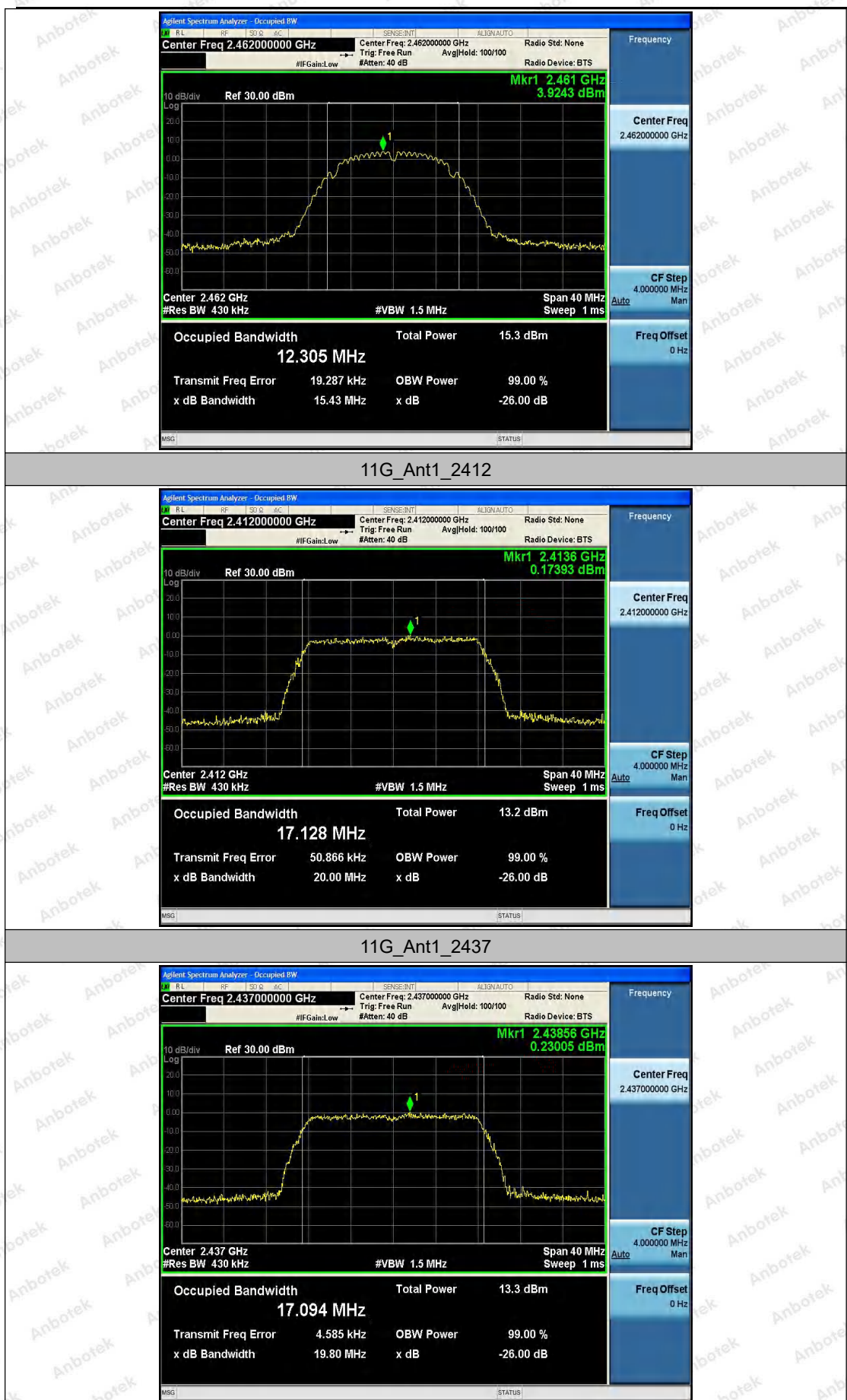


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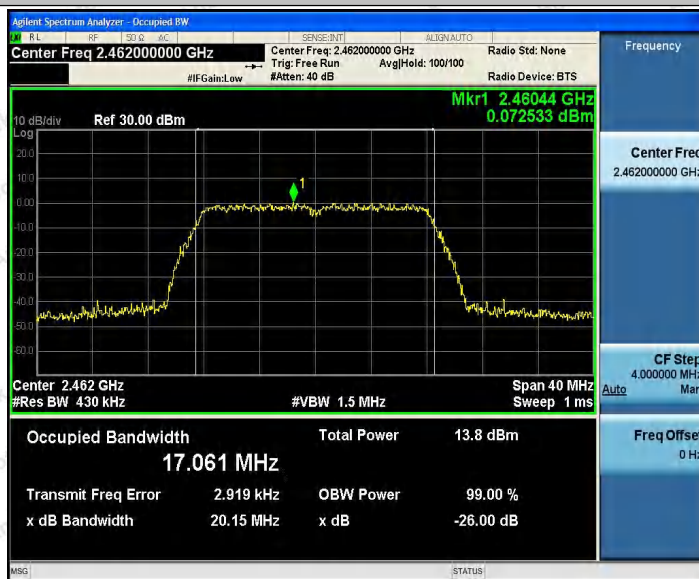
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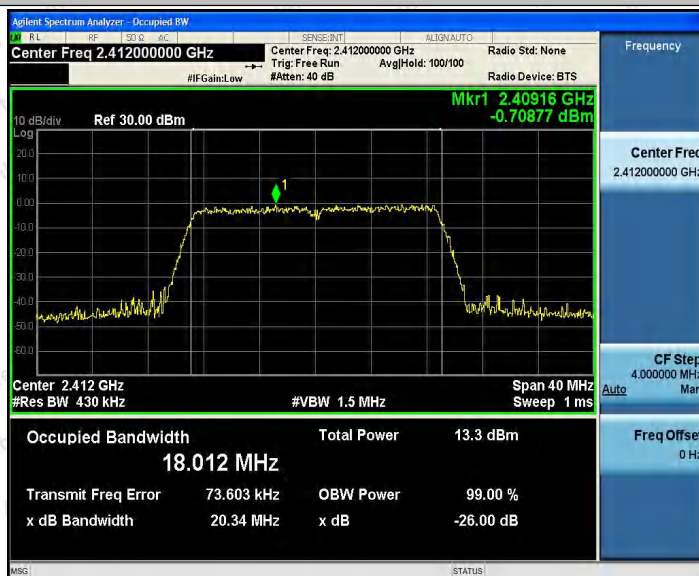
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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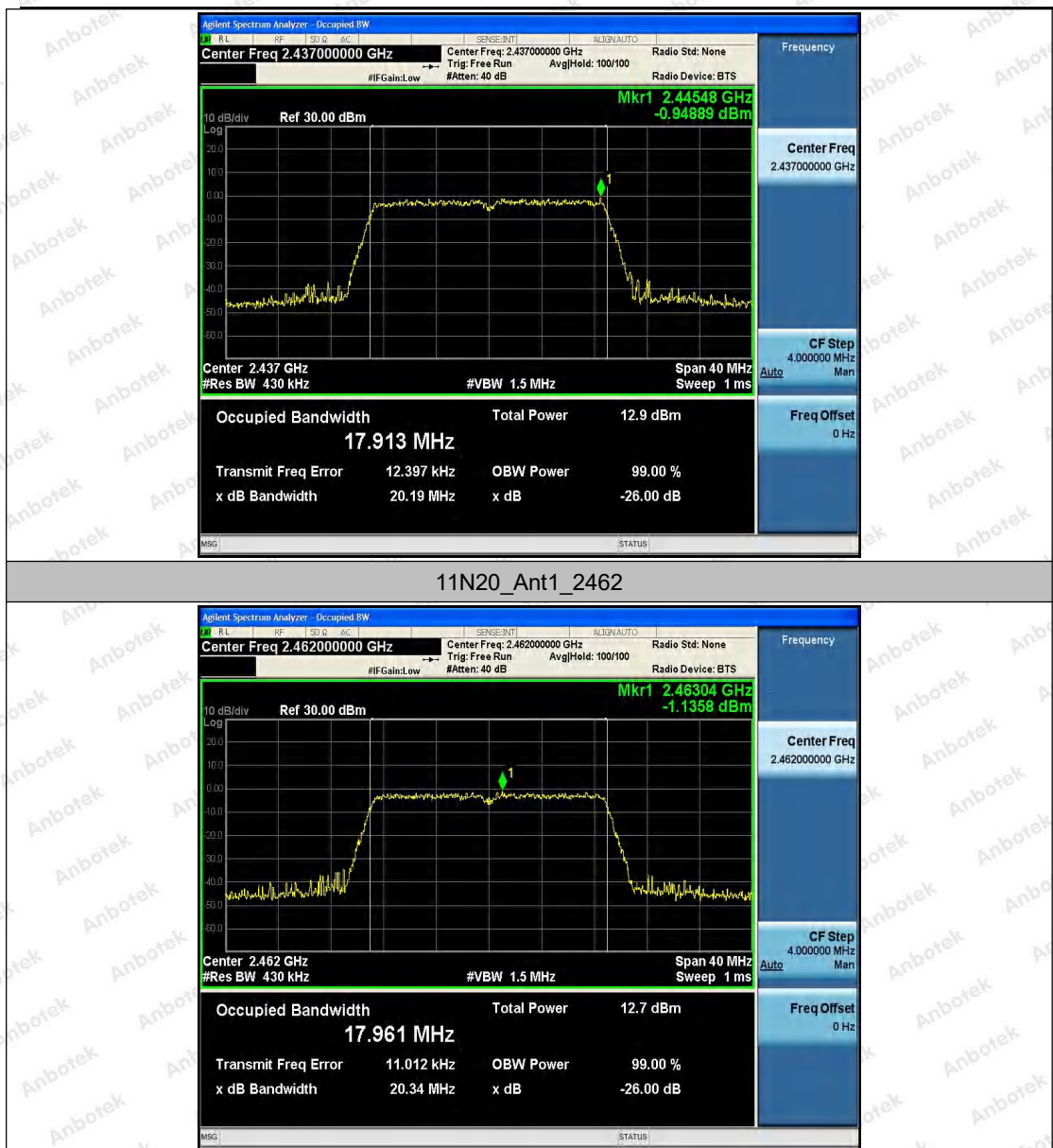
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Appendix C: Maximum conducted output power

Test Result

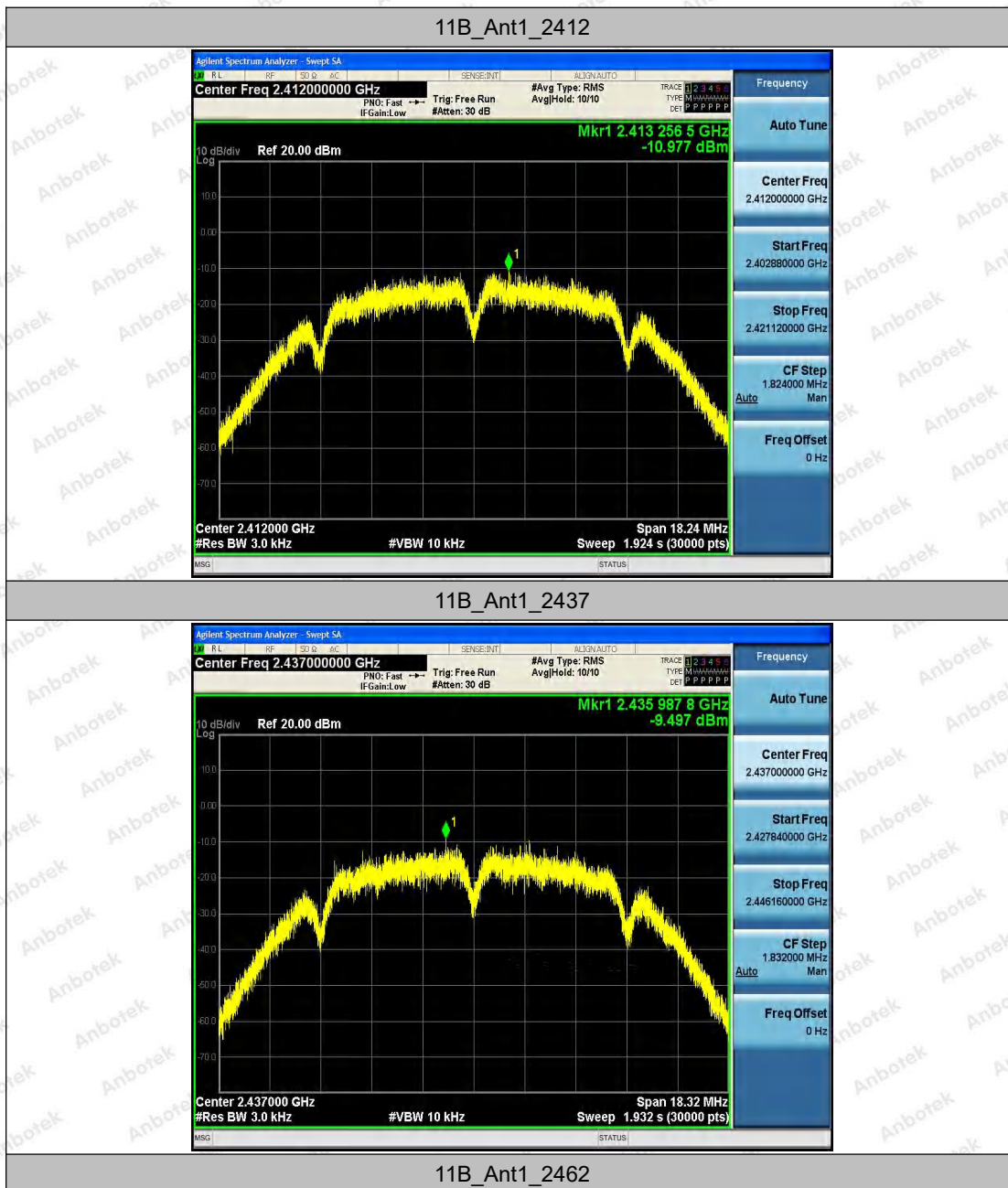
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.23	≤30	PASS
		2437	15.25	≤30	PASS
		2462	15.35	≤30	PASS
11G	Ant1	2412	14.25	≤30	PASS
		2437	14.40	≤30	PASS
		2462	14.79	≤30	PASS
11N20	Ant1	2412	14.43	≤30	PASS
		2437	14.06	≤30	PASS
		2462	14.12	≤30	PASS

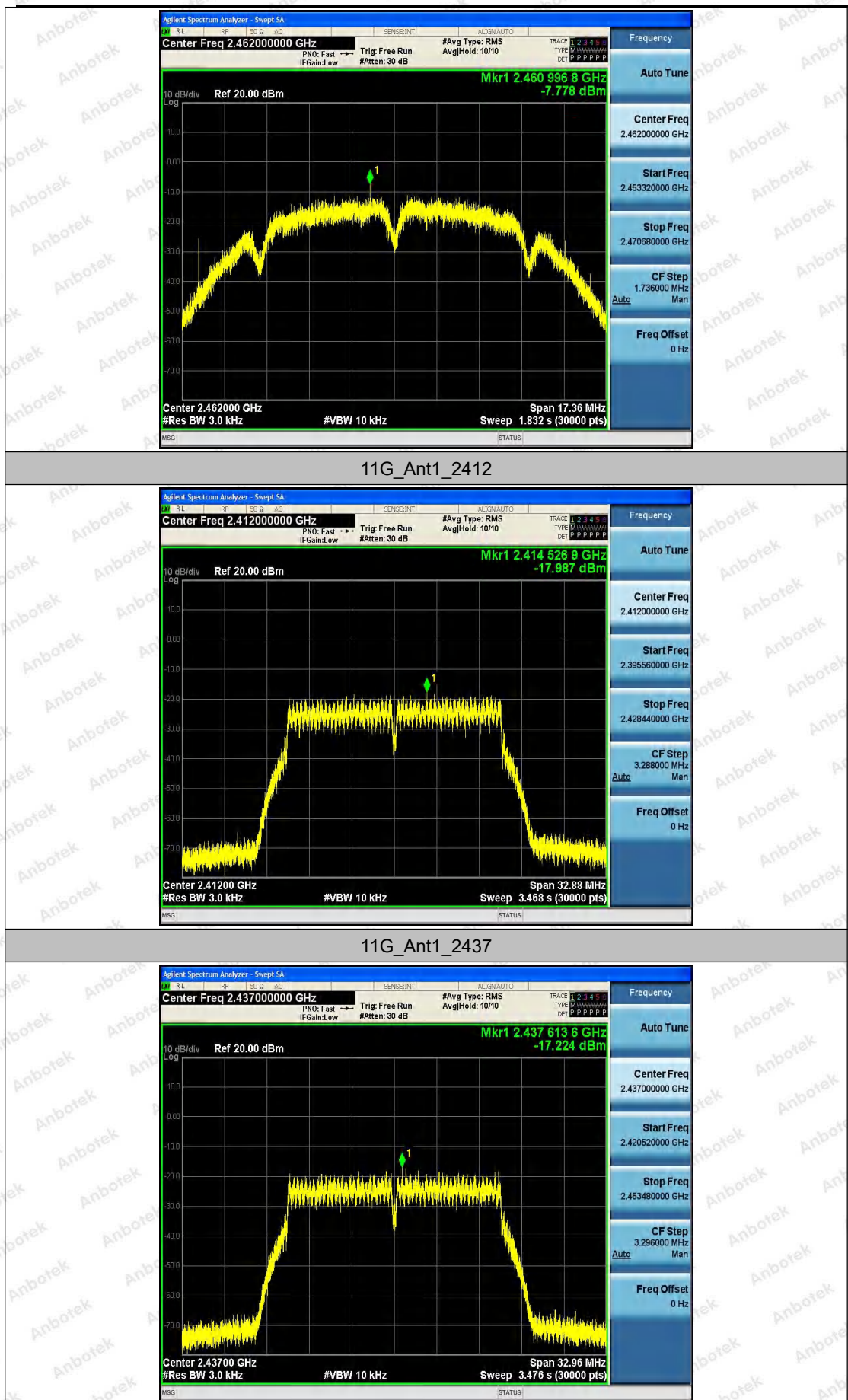
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.98	≤8	PASS
		2437	-9.5	≤8	PASS
		2462	-7.78	≤8	PASS
11G	Ant1	2412	-17.99	≤8	PASS
		2437	-17.22	≤8	PASS
		2462	-17.08	≤8	PASS
11N20	Ant1	2412	-17.87	≤8	PASS
		2437	-17.02	≤8	PASS
		2462	-18.71	≤8	PASS

Test Graphs





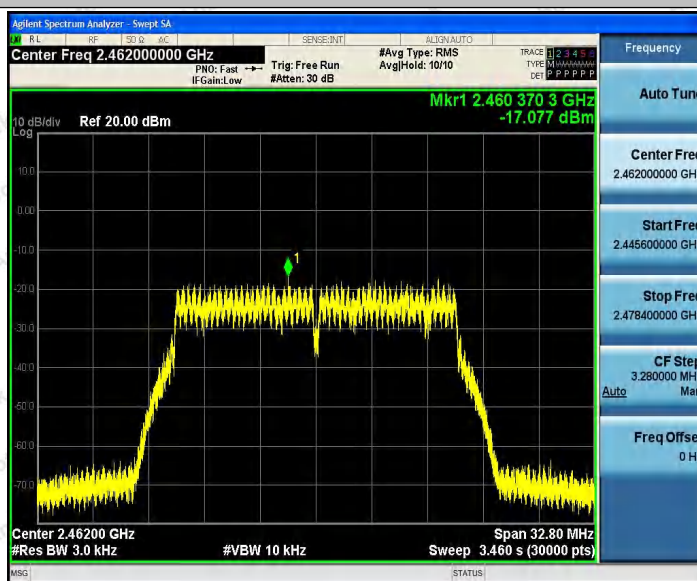
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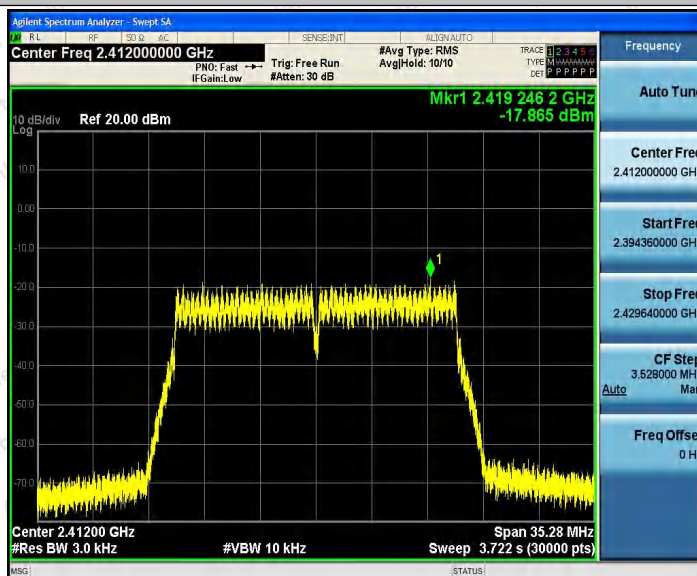
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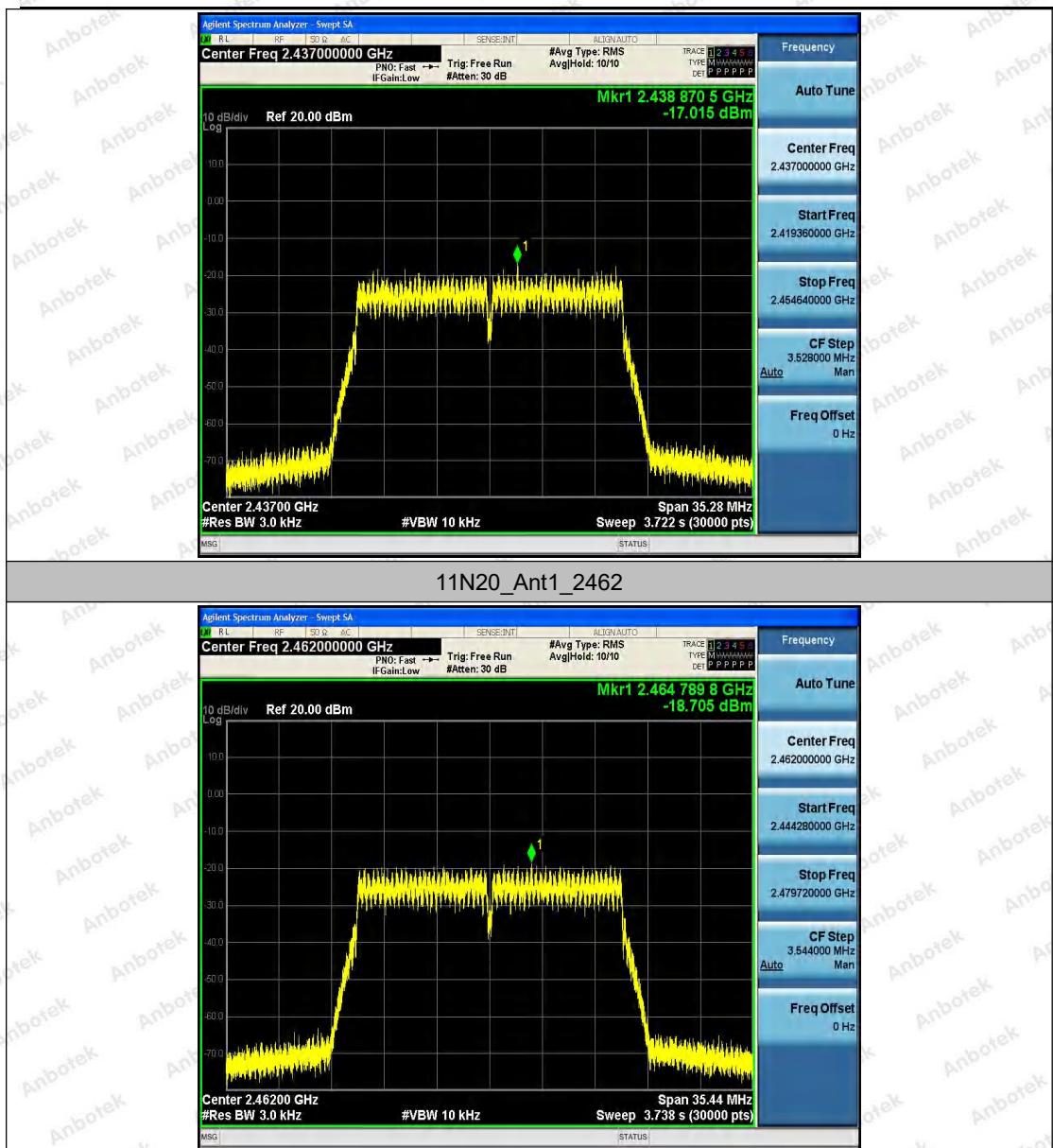
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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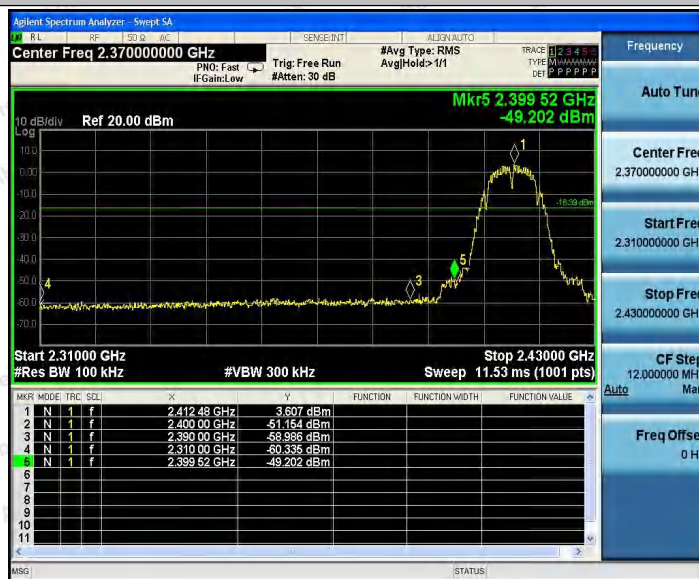
Appendix E: Band edge measurements

Test Result

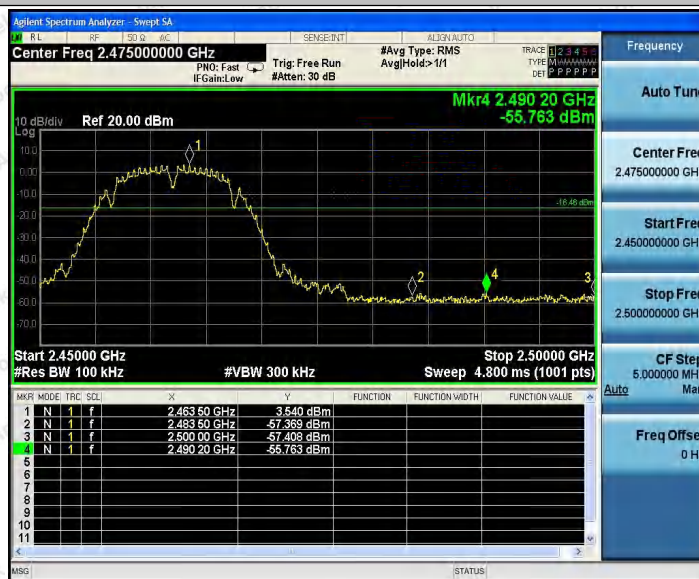
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.61	-49.2	≤ -16.39	PASS
		High	2462	3.54	-55.76	≤ -16.46	PASS
11G	Ant1	Low	2412	-3.85	-51.75	≤ -23.85	PASS
		High	2462	-3.67	-53.63	≤ -23.67	PASS
11N20	Ant1	Low	2412	-4.10	-48.53	≤ -24.1	PASS
		High	2462	-4.42	-52.8	≤ -24.42	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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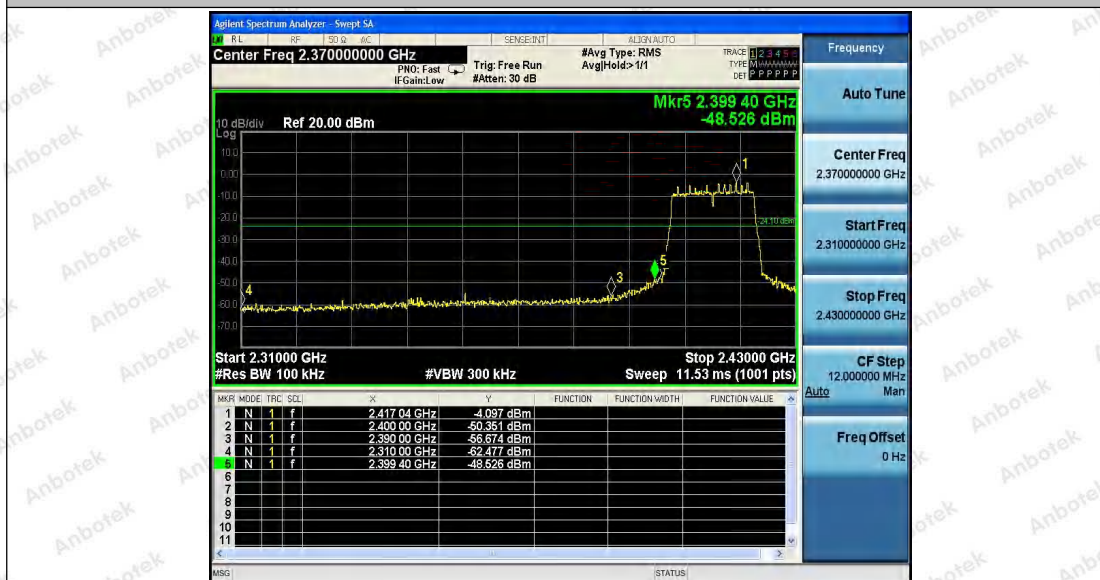
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

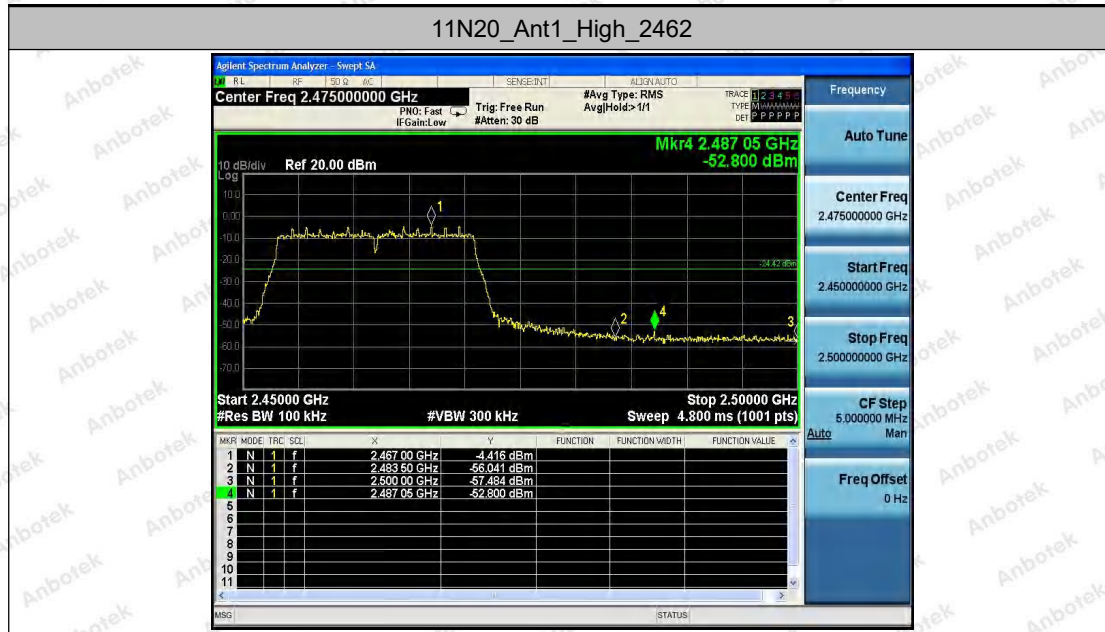


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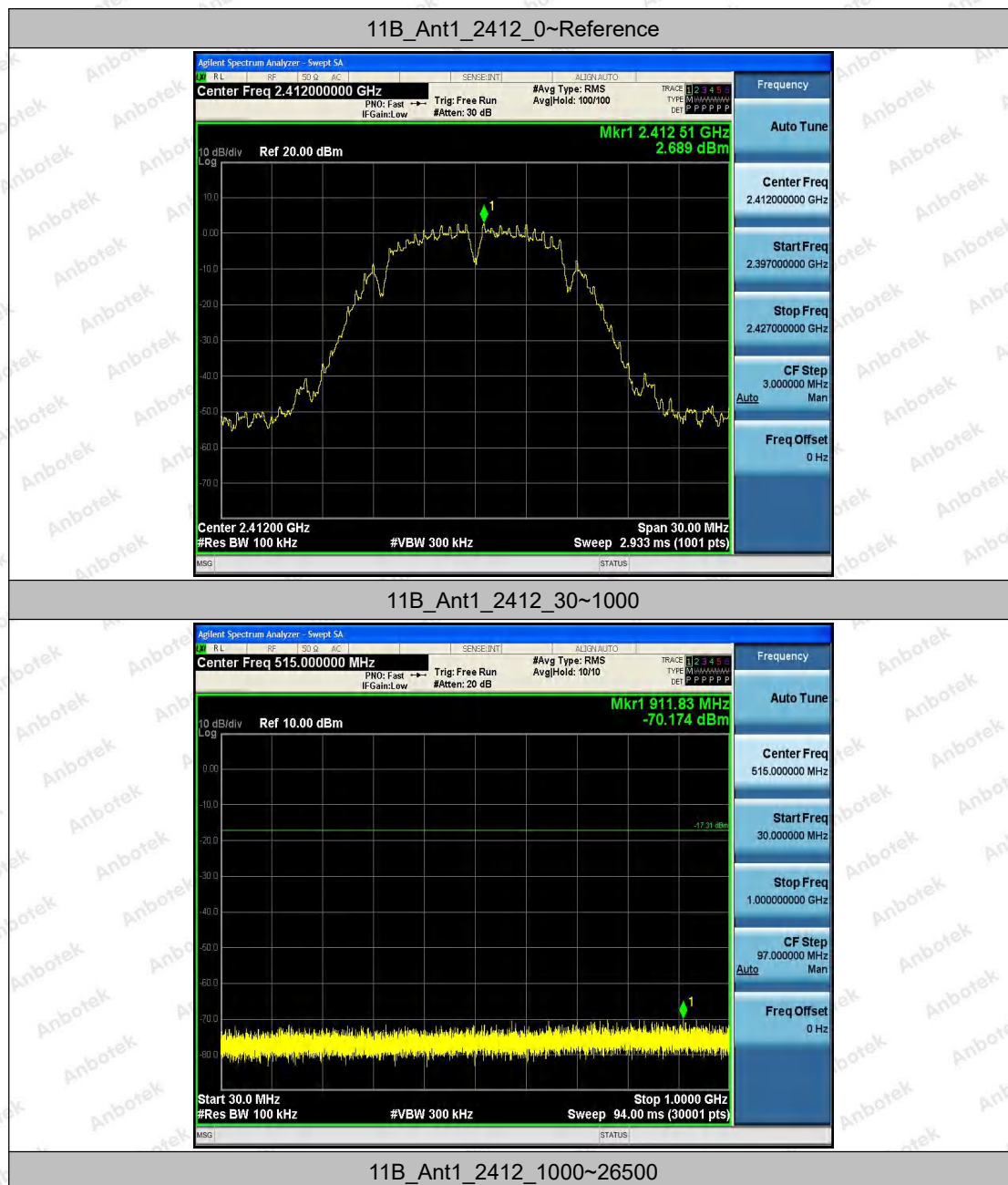
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-70.17	≤-17.31	PASS
			1000~26500	2.69	-52.89	≤-17.31	PASS
		2437	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-68.7	≤-16.43	PASS
			1000~26500	3.57	-55.28	≤-16.43	PASS
		2462	Reference	3.22	3.22	---	PASS
			30~1000	3.22	-70.18	≤-16.78	PASS
			1000~26500	3.22	-55.76	≤-16.78	PASS
11G	Ant1	2412	Reference	-4.20	-4.20	---	PASS
			30~1000	-4.20	-69.97	≤-24.2	PASS
			1000~26500	-4.20	-55.37	≤-24.2	PASS
		2437	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-69.99	≤-23.77	PASS
			1000~26500	-3.77	-55.28	≤-23.77	PASS
		2462	Reference	-3.95	-3.95	---	PASS
			30~1000	-3.95	-70.13	≤-23.95	PASS
			1000~26500	-3.95	-54.45	≤-23.95	PASS
11N20	Ant1	2412	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-69.85	≤-23.7	PASS
			1000~26500	-3.70	-55.58	≤-23.7	PASS
		2437	Reference	-5.11	-5.11	---	PASS
			30~1000	-5.11	-70.06	≤-25.11	PASS
			1000~26500	-5.11	-55.68	≤-25.11	PASS
		2462	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-70.2	≤-24.34	PASS
			1000~26500	-4.34	-54.72	≤-24.34	PASS

Test Graphs



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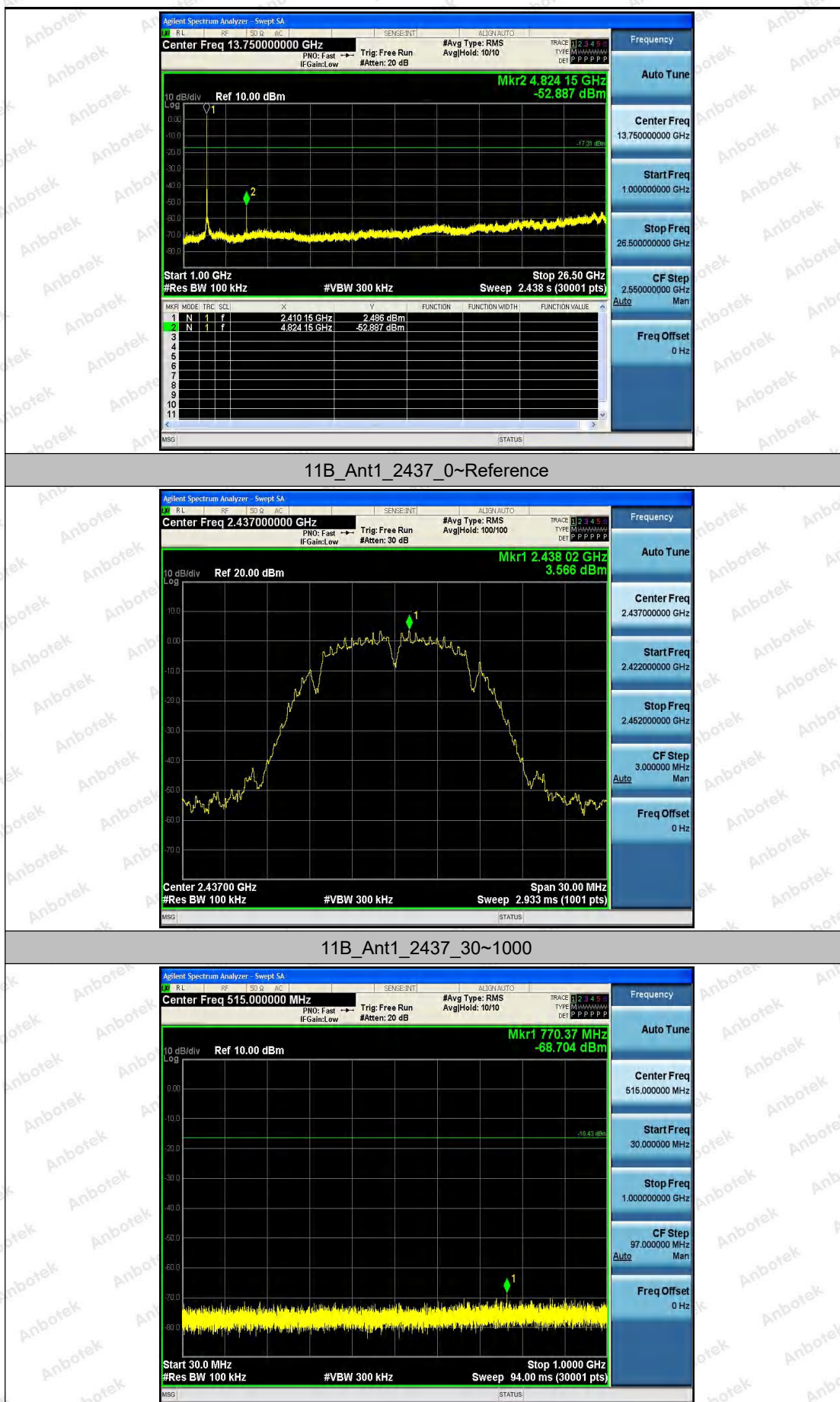
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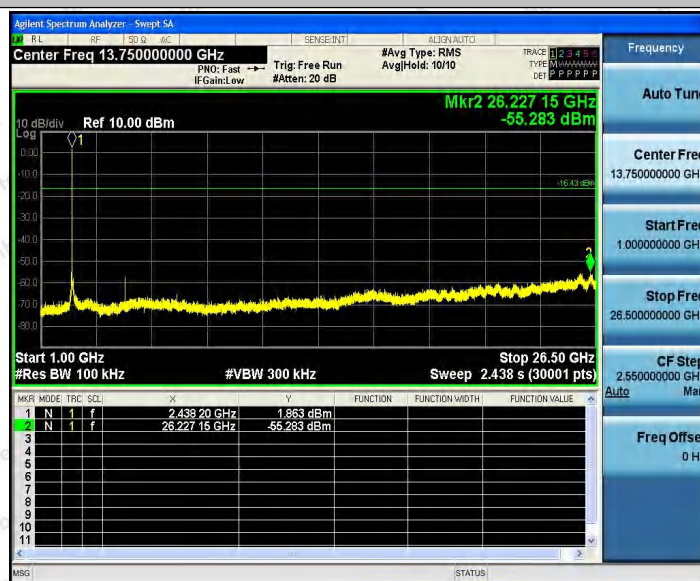
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



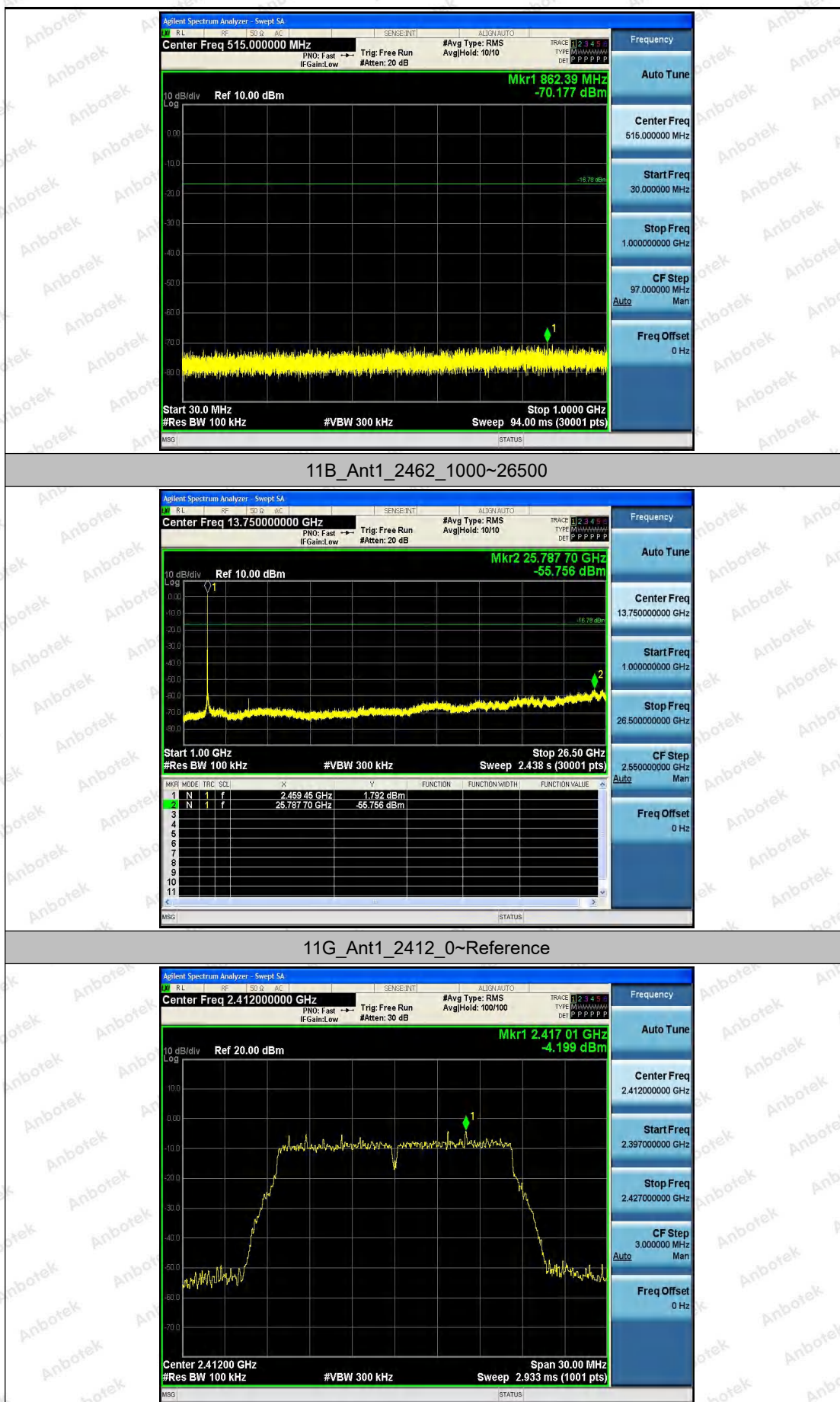
11B_Ant1_2462_30~1000

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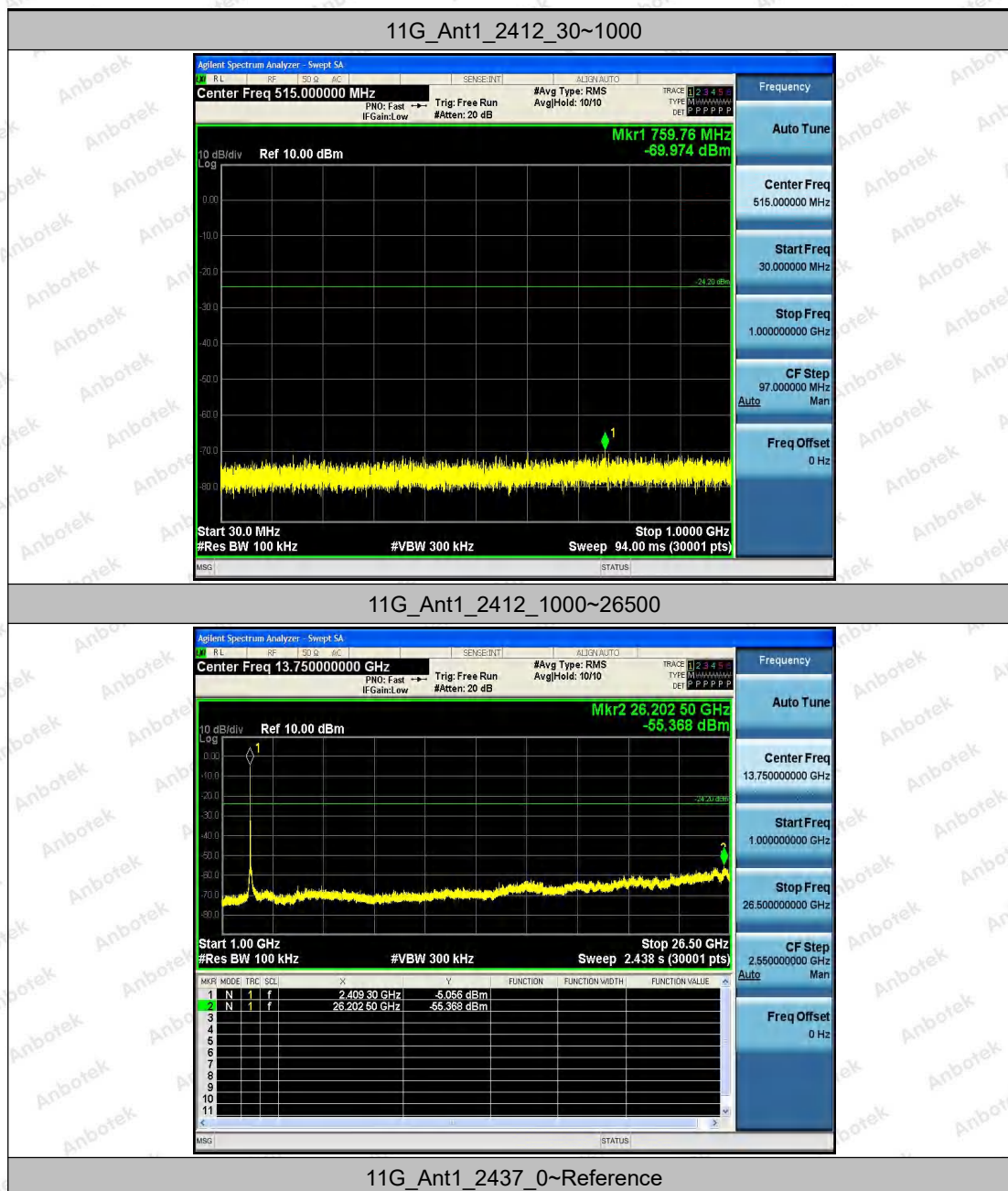


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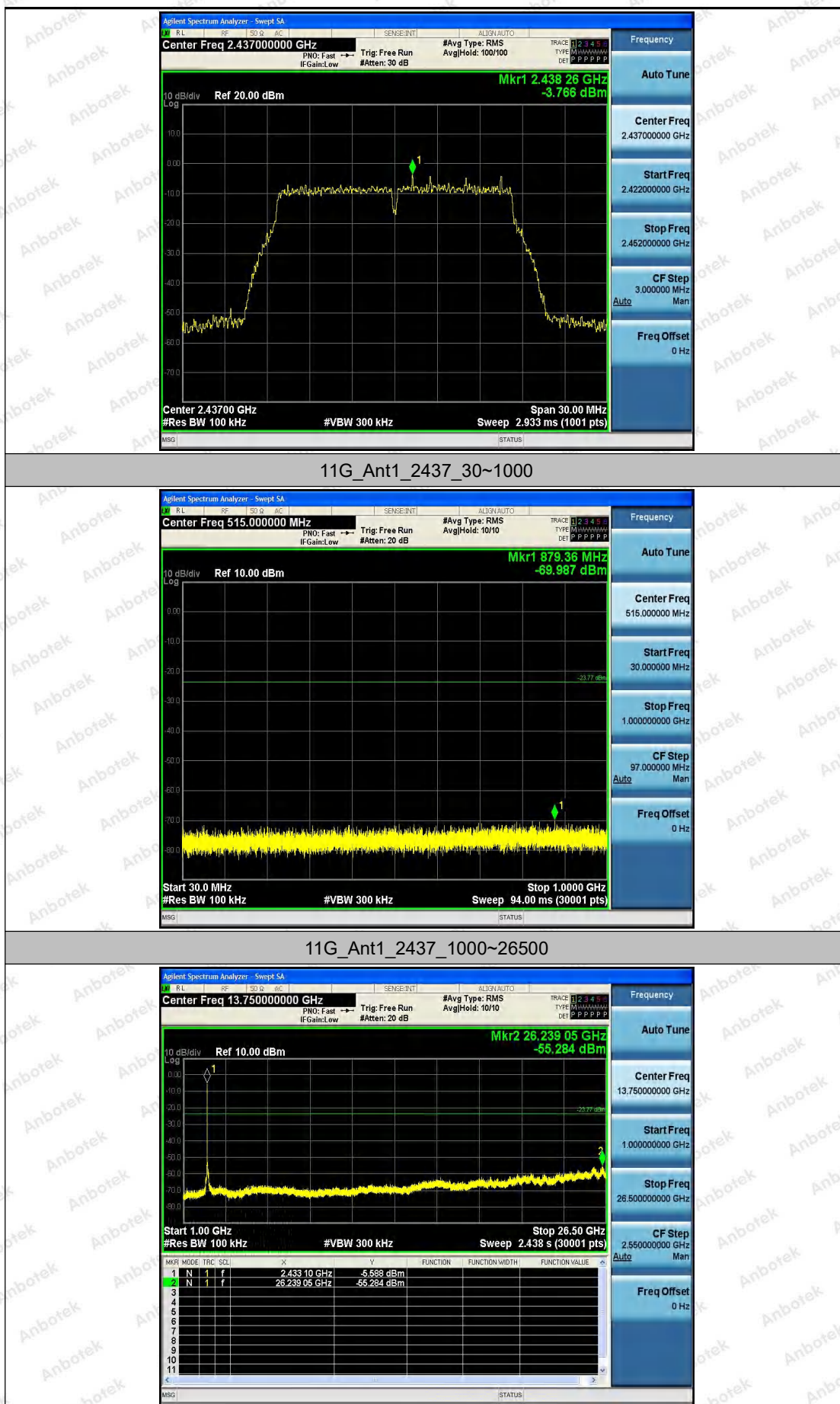


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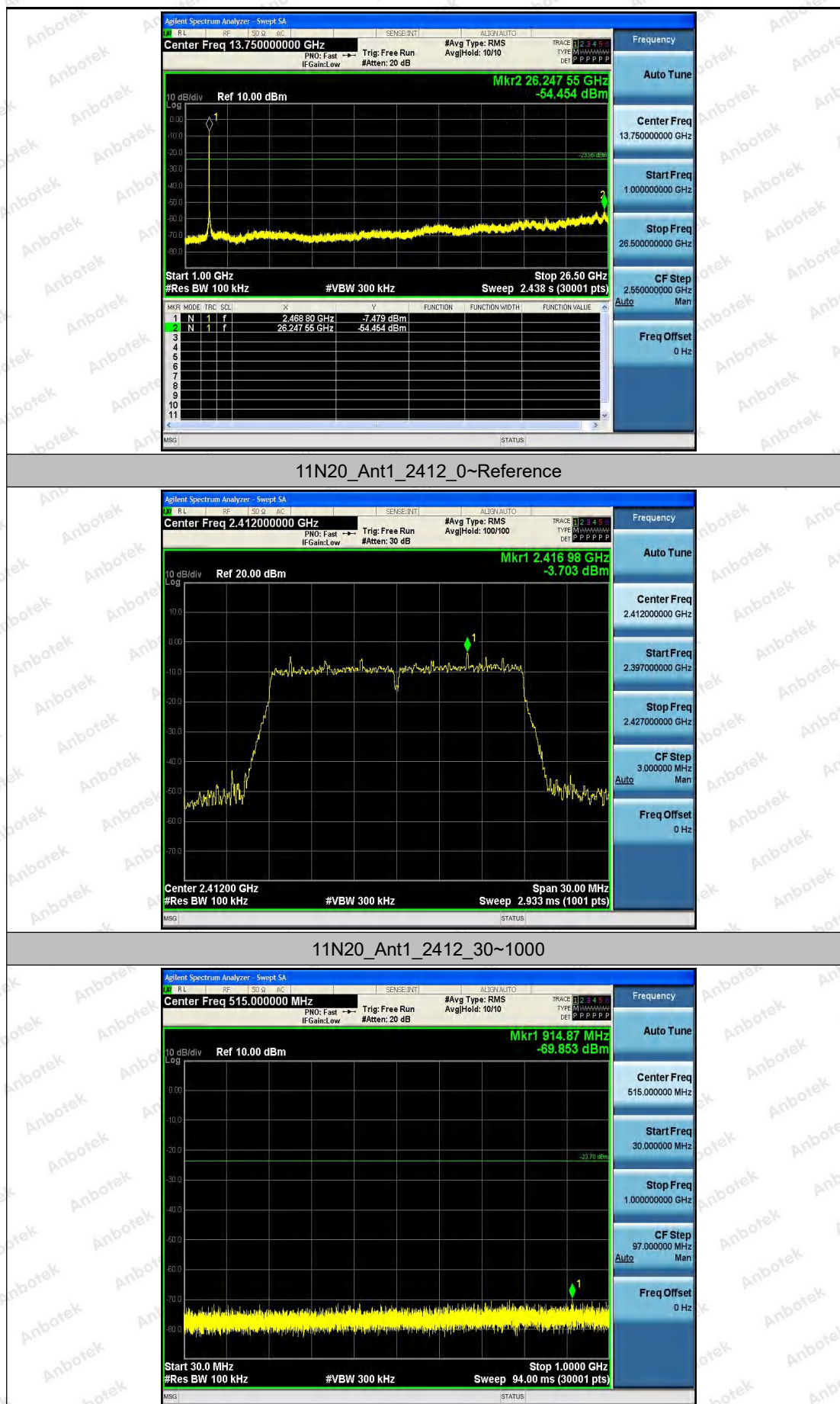


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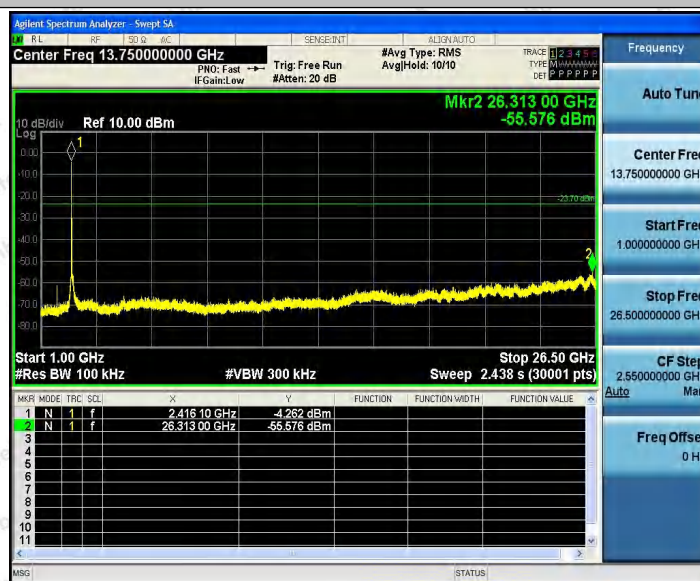
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



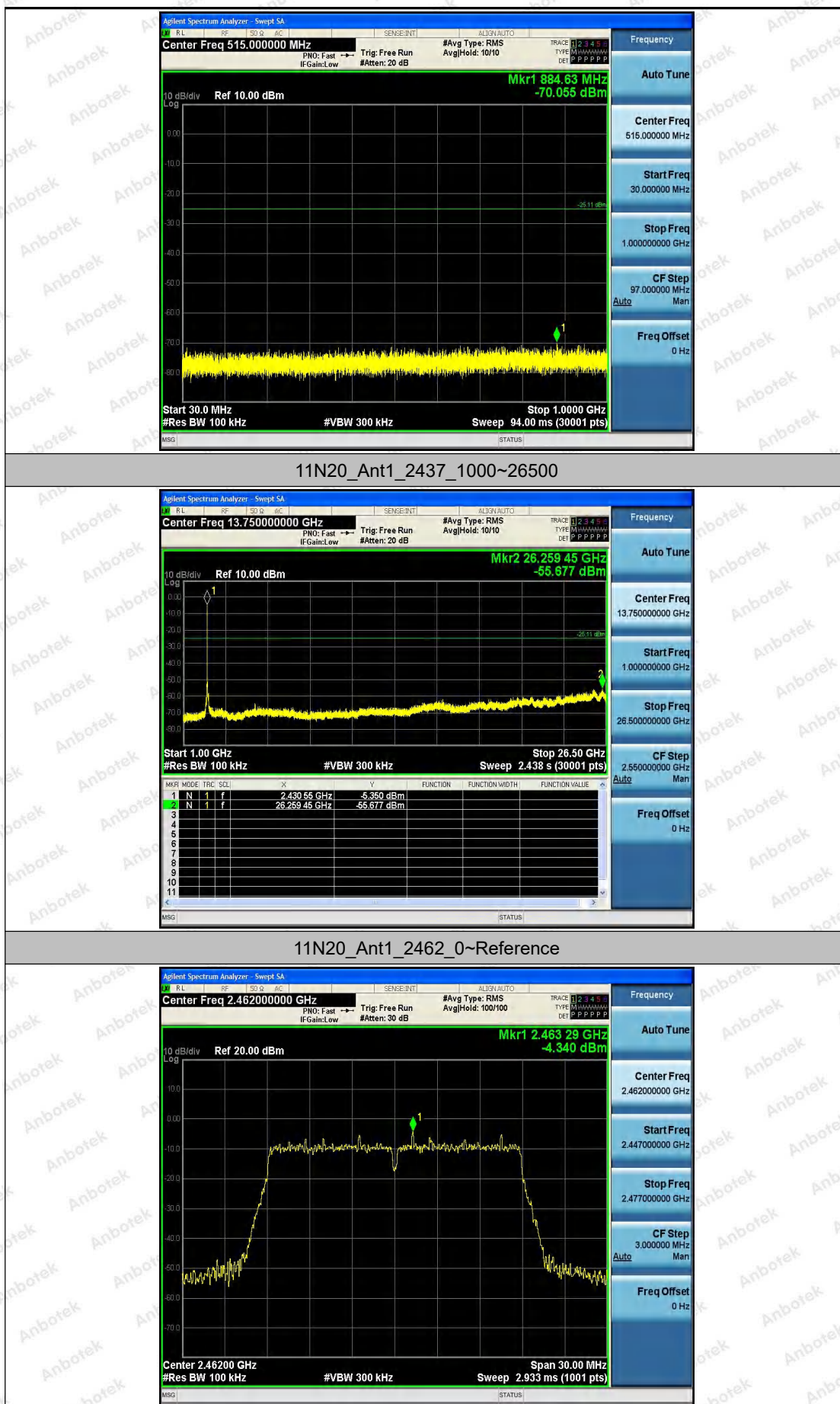
11N20_Ant1_2437_30~1000

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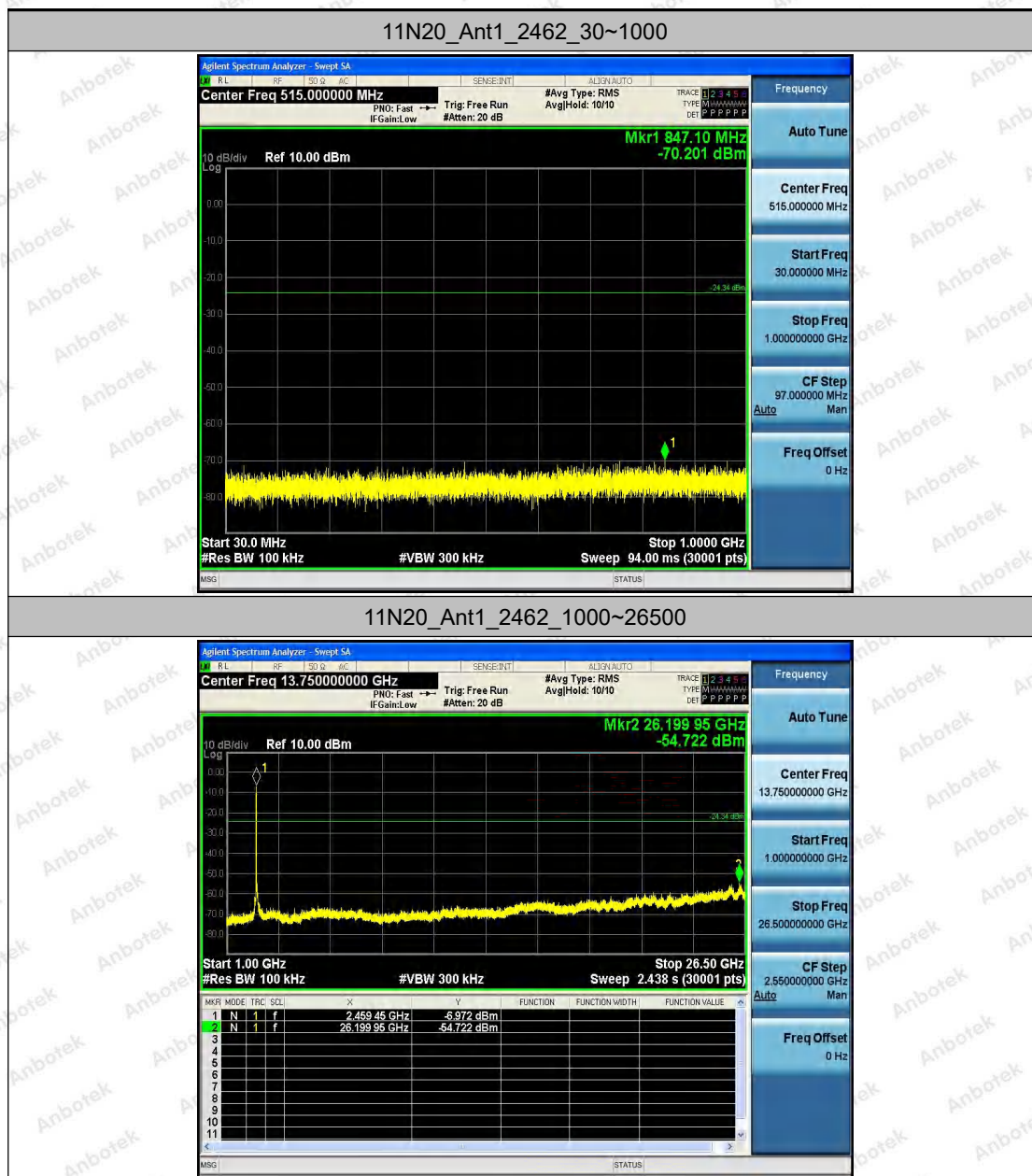
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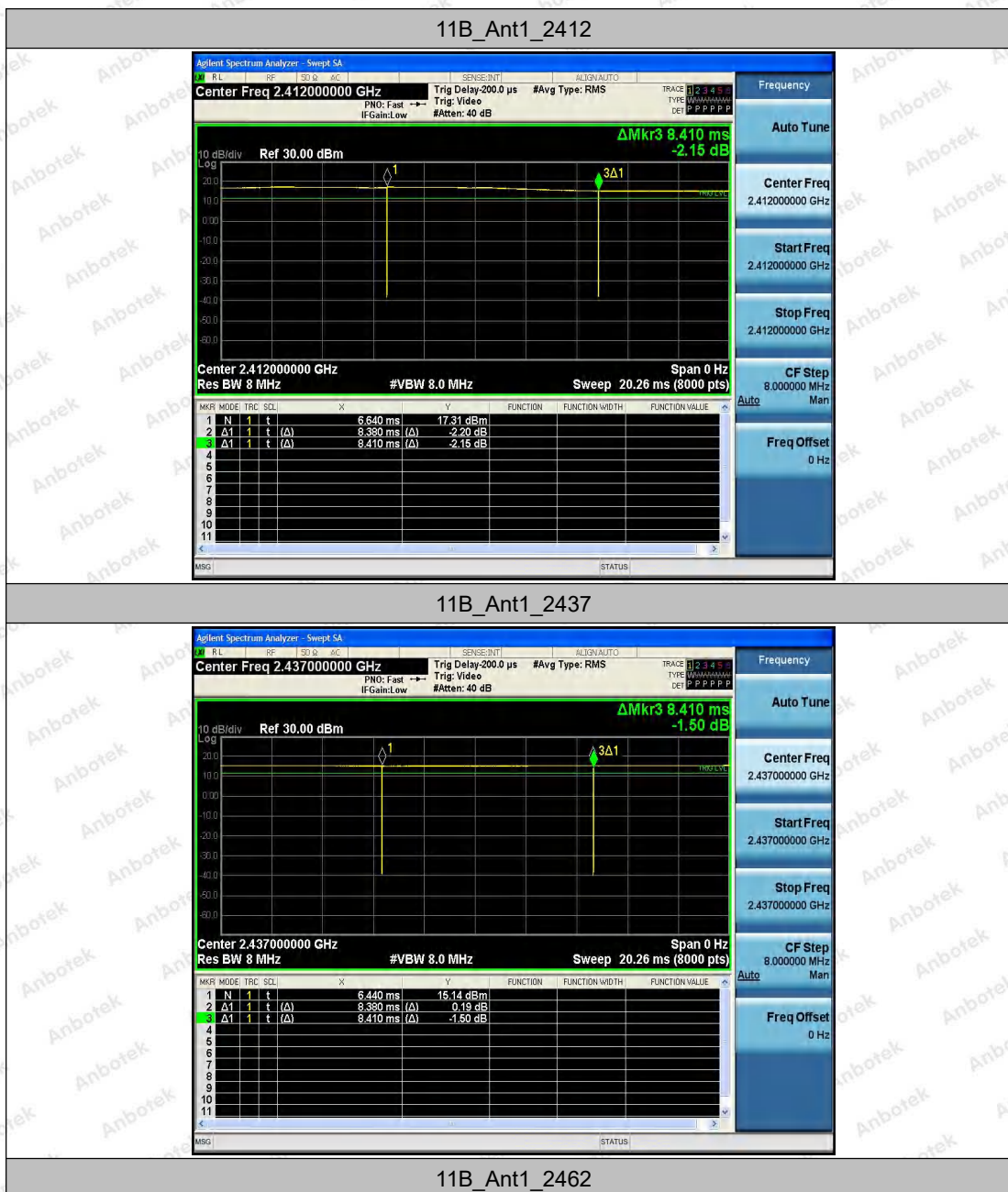
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Appendix G: Duty Cycle

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	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.42	97.89	---	PASS
		2462	1.40	1.43	97.90	---	PASS
11N20	Ant1	2412	1.30	1.33	97.74	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.34	97.01	---	PASS

Test Graphs



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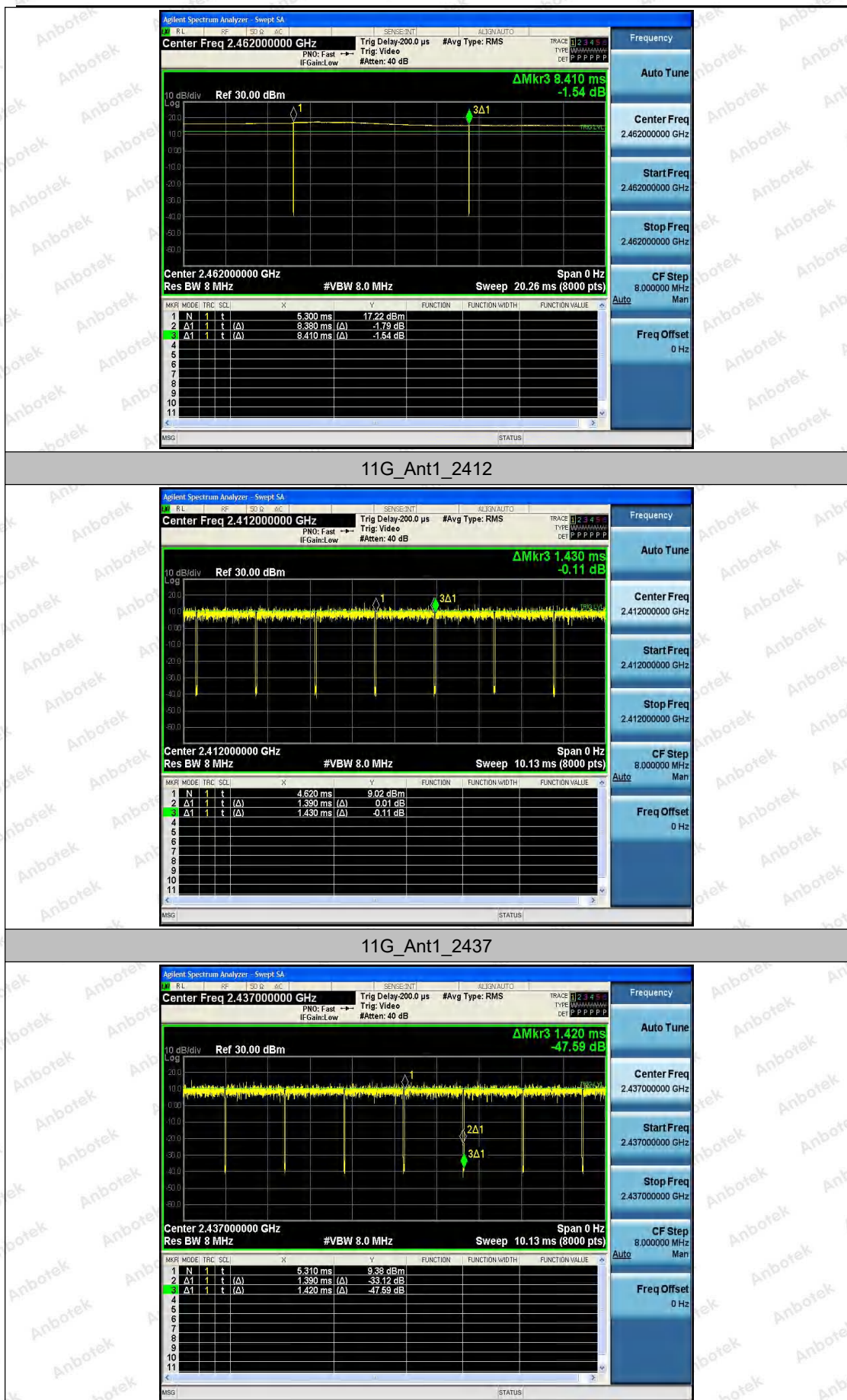
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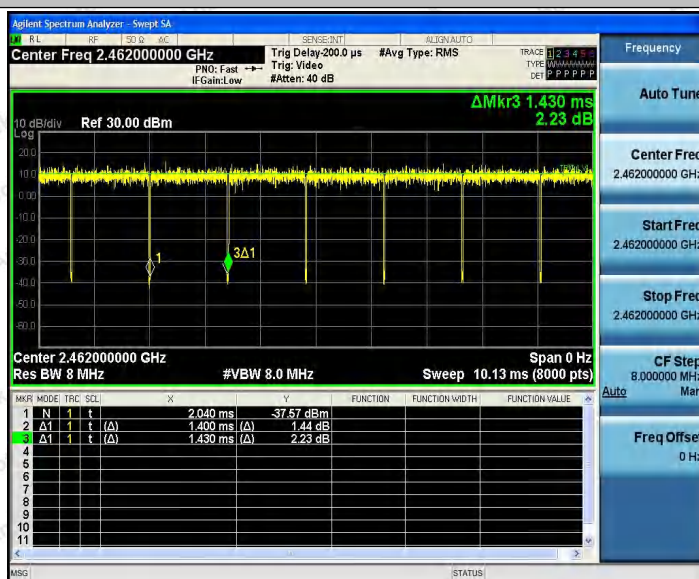
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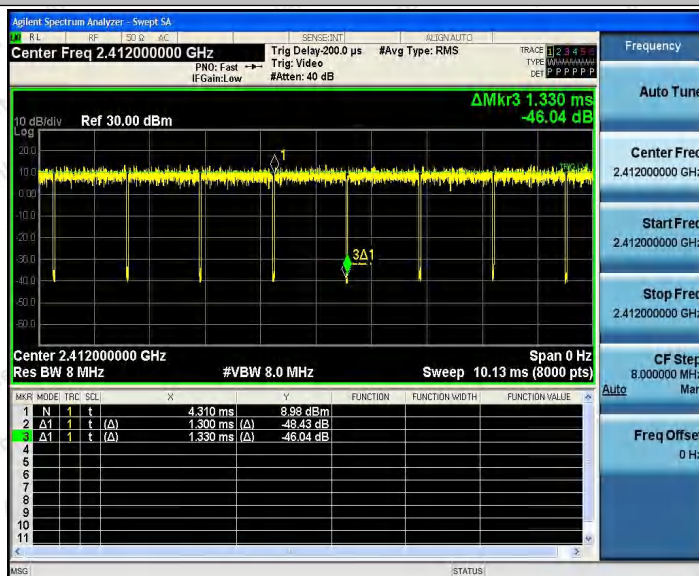
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11G_Ant1_2462



11N20_Ant1_2412



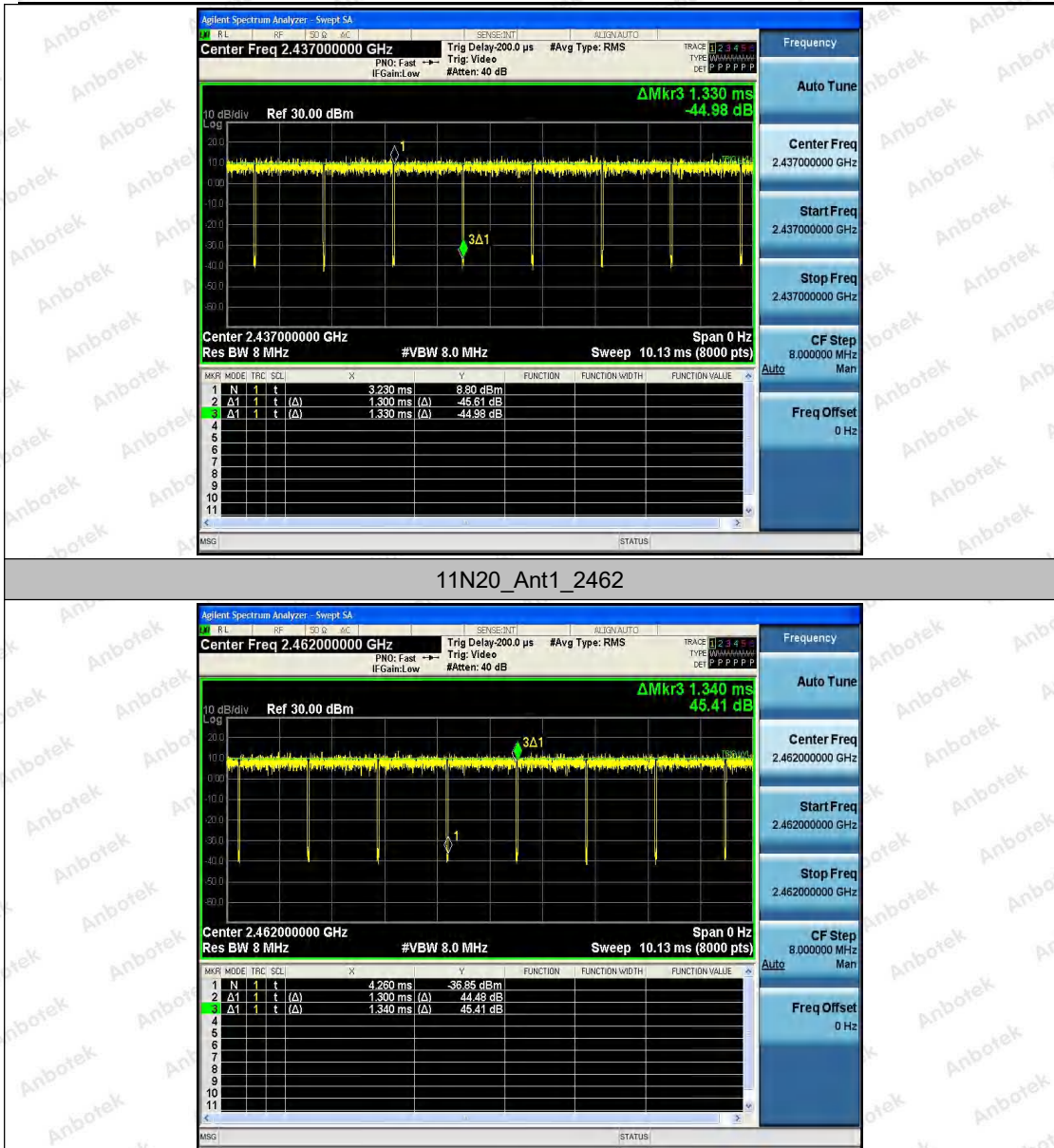
11N20_Ant1_2437

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