

Appendix Test Data

Report No.:	18220WC20119701	Test Sample No.:	1-2-2
Start Test Date:	2022.6.7	Finish Test Date:	2022.6.10
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.5°C	Relative Humidity:	53.6 %
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	2407.400	2416.560	≥0.5	PASS
		2437	9.600	2432.440	2442.040	≥0.5	PASS
		2462	9.640	2457.440	2467.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.680	2428.200	2445.880	≥0.5	PASS
		2462	17.640	2453.200	2470.840	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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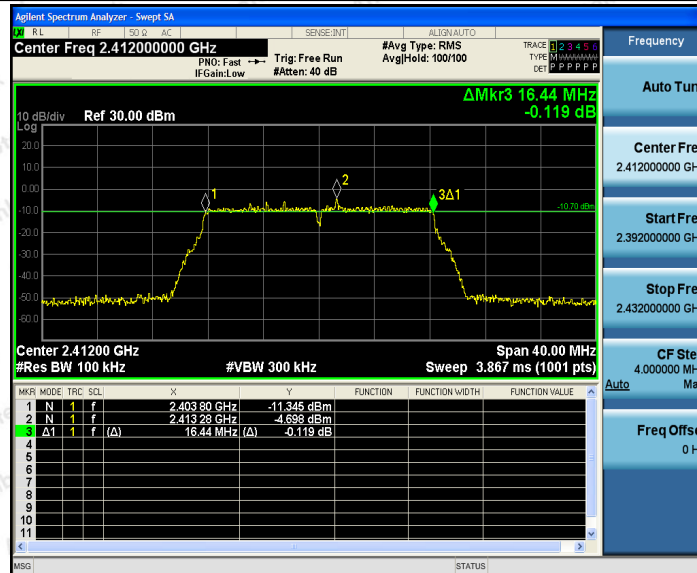
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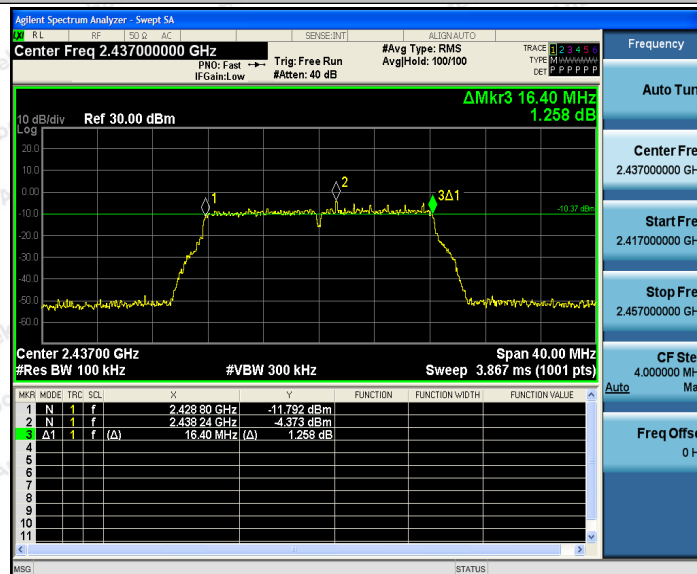
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11G_Ant1_2412



11G_Ant1_2437



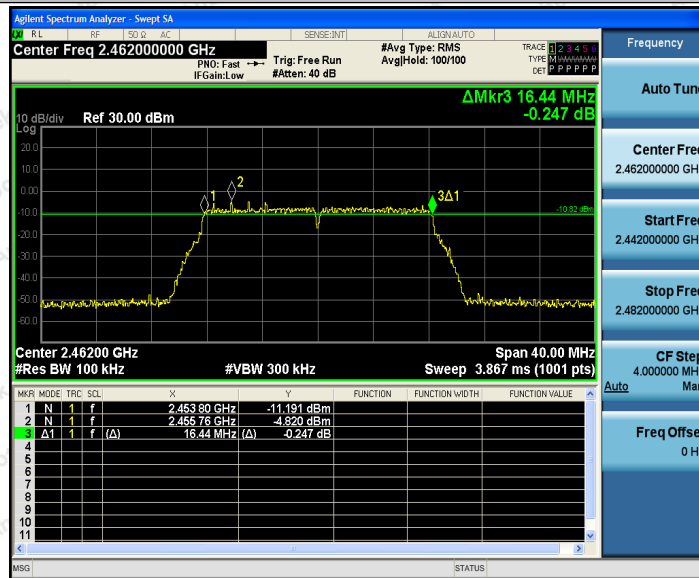
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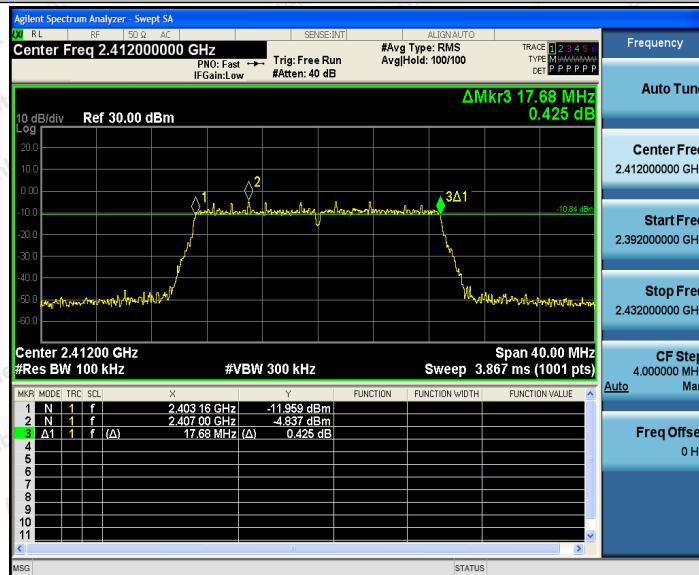
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11G_Ant1_2462



11N20_Ant1_2412



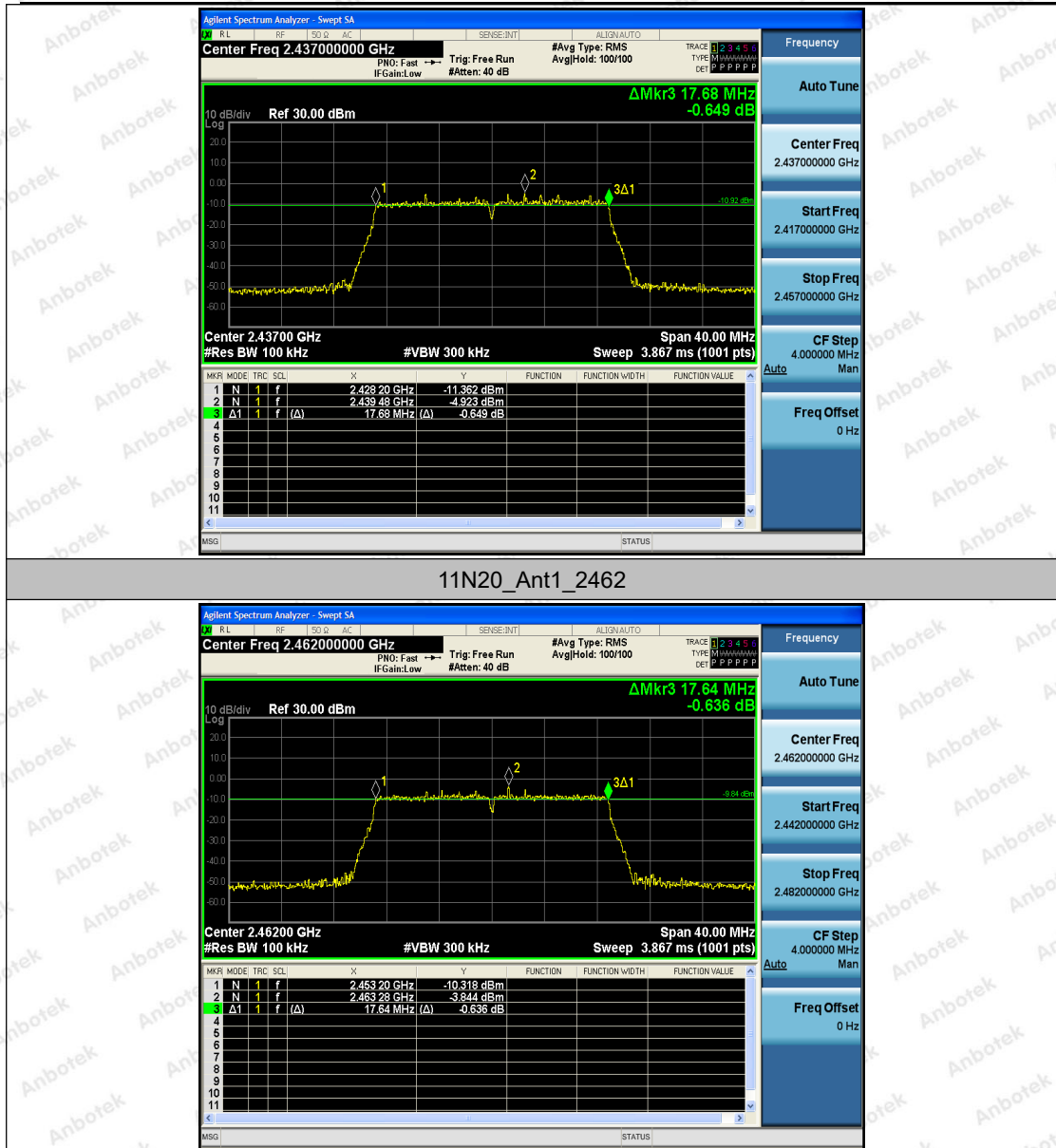
11N20_Ant1_2437

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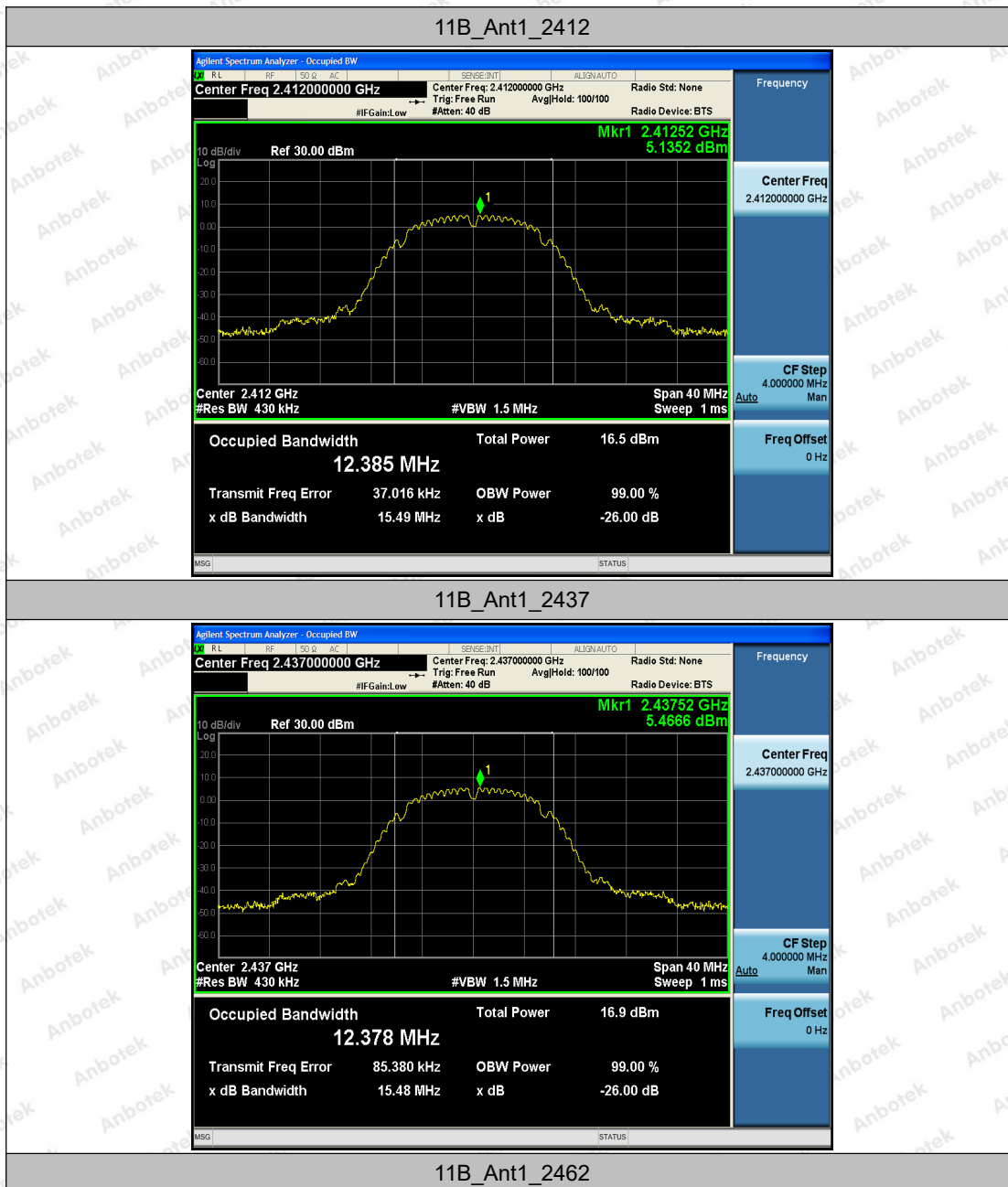
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.385	2405.845	2418.230	---	PASS
		2437	12.378	2430.896	2443.274	---	PASS
		2462	12.315	2455.877	2468.192	---	PASS
11G	Ant1	2412	17.161	2403.416	2420.577	---	PASS
		2437	17.075	2428.550	2445.625	---	PASS
		2462	17.086	2453.491	2470.577	---	PASS
11N20	Ant1	2412	17.989	2403.028	2421.017	---	PASS
		2437	18.005	2428.022	2446.027	---	PASS
		2462	17.916	2453.057	2470.973	---	PASS

Test Graphs



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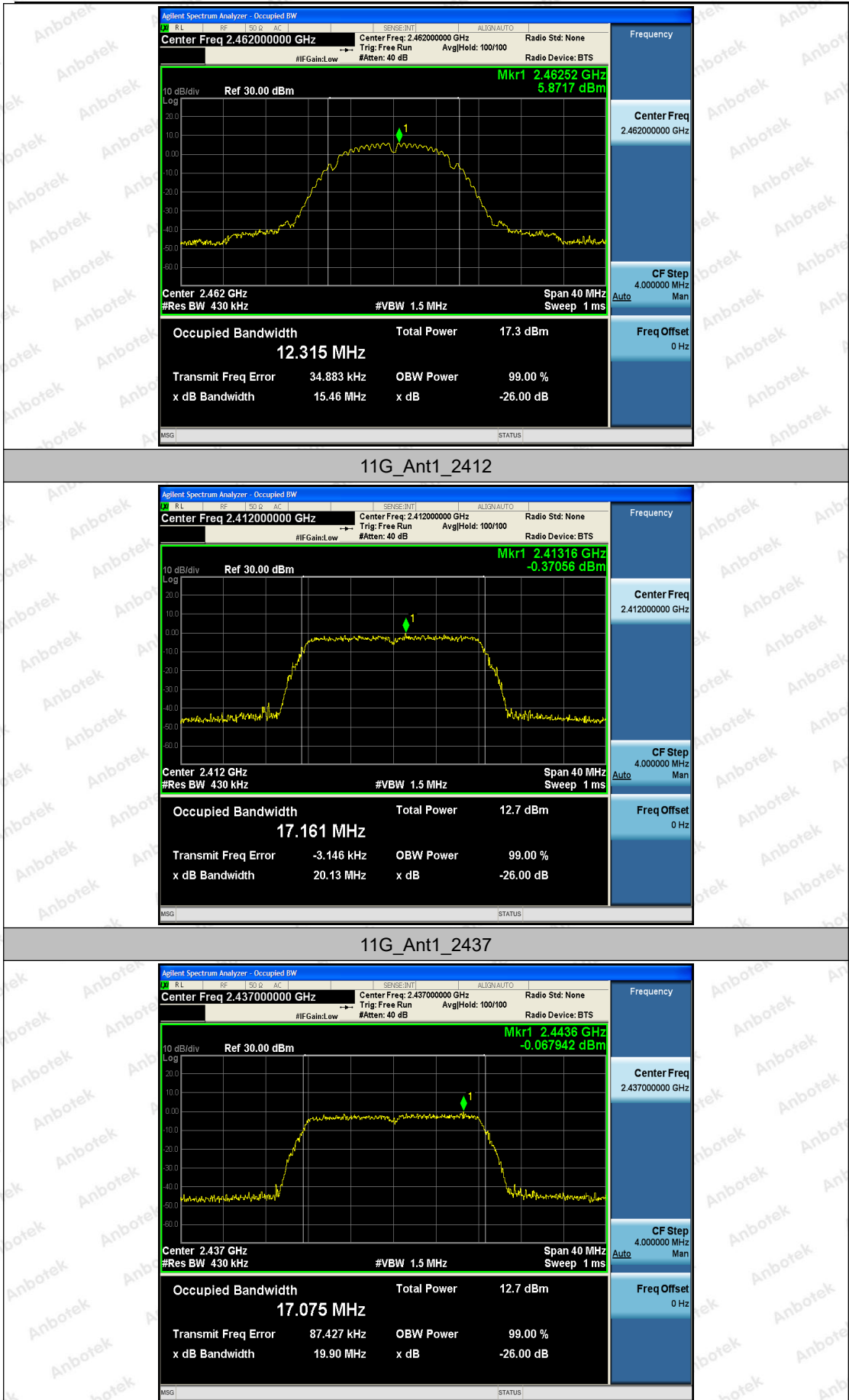
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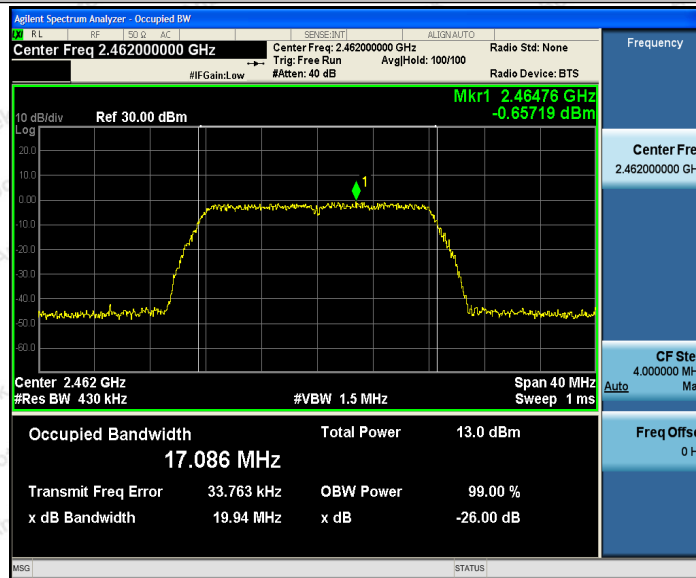
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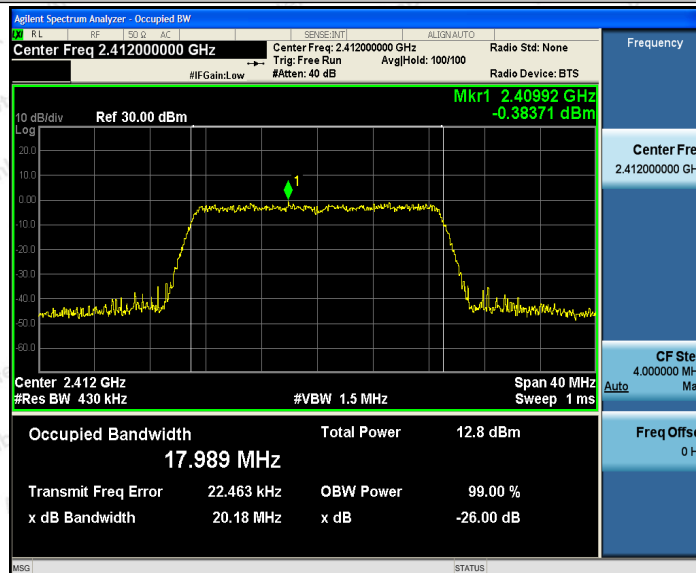
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11G_Ant1_2462



11N20_Ant1_2412



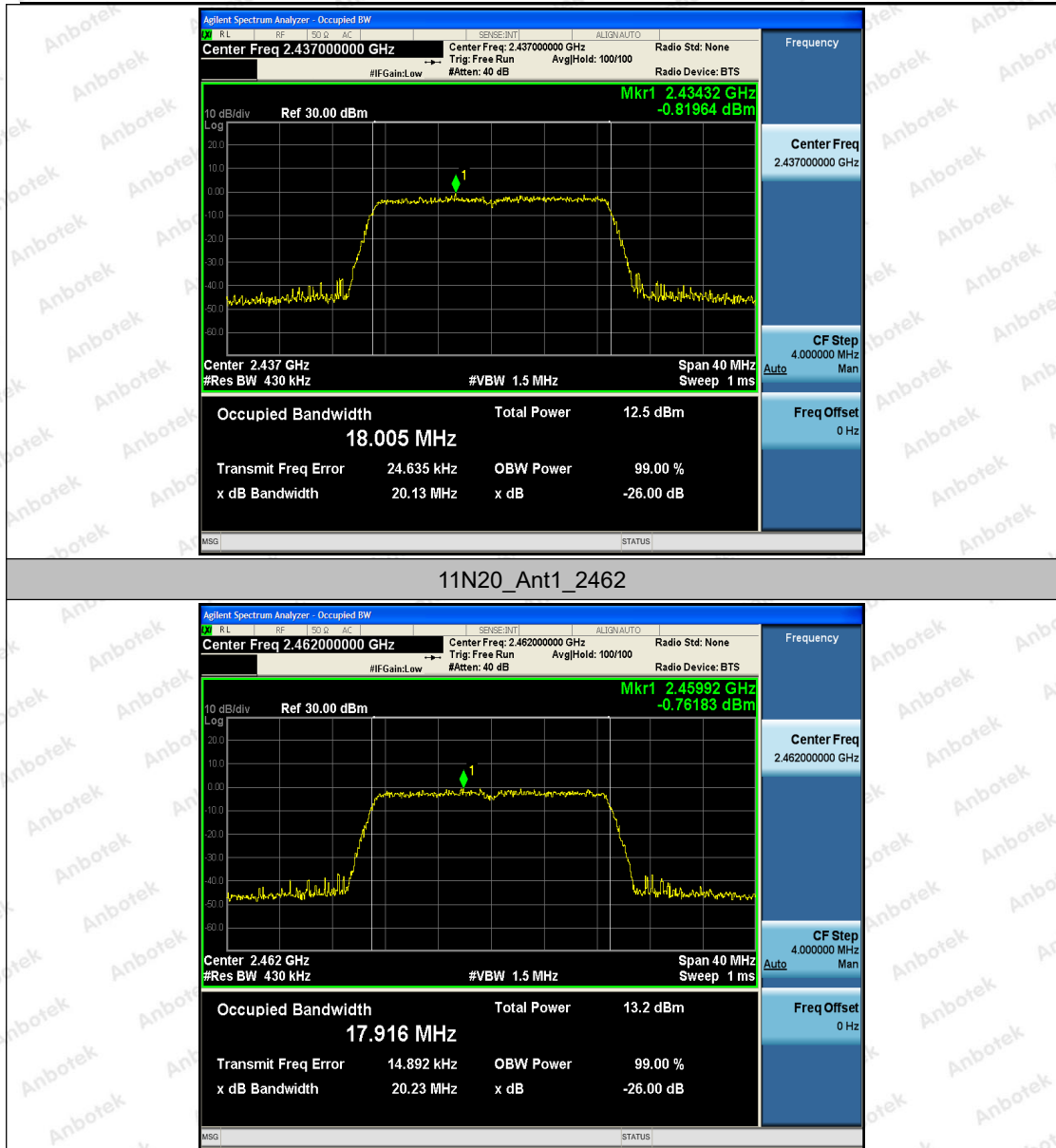
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Appendix C: Maximum conducted output power

Test Result

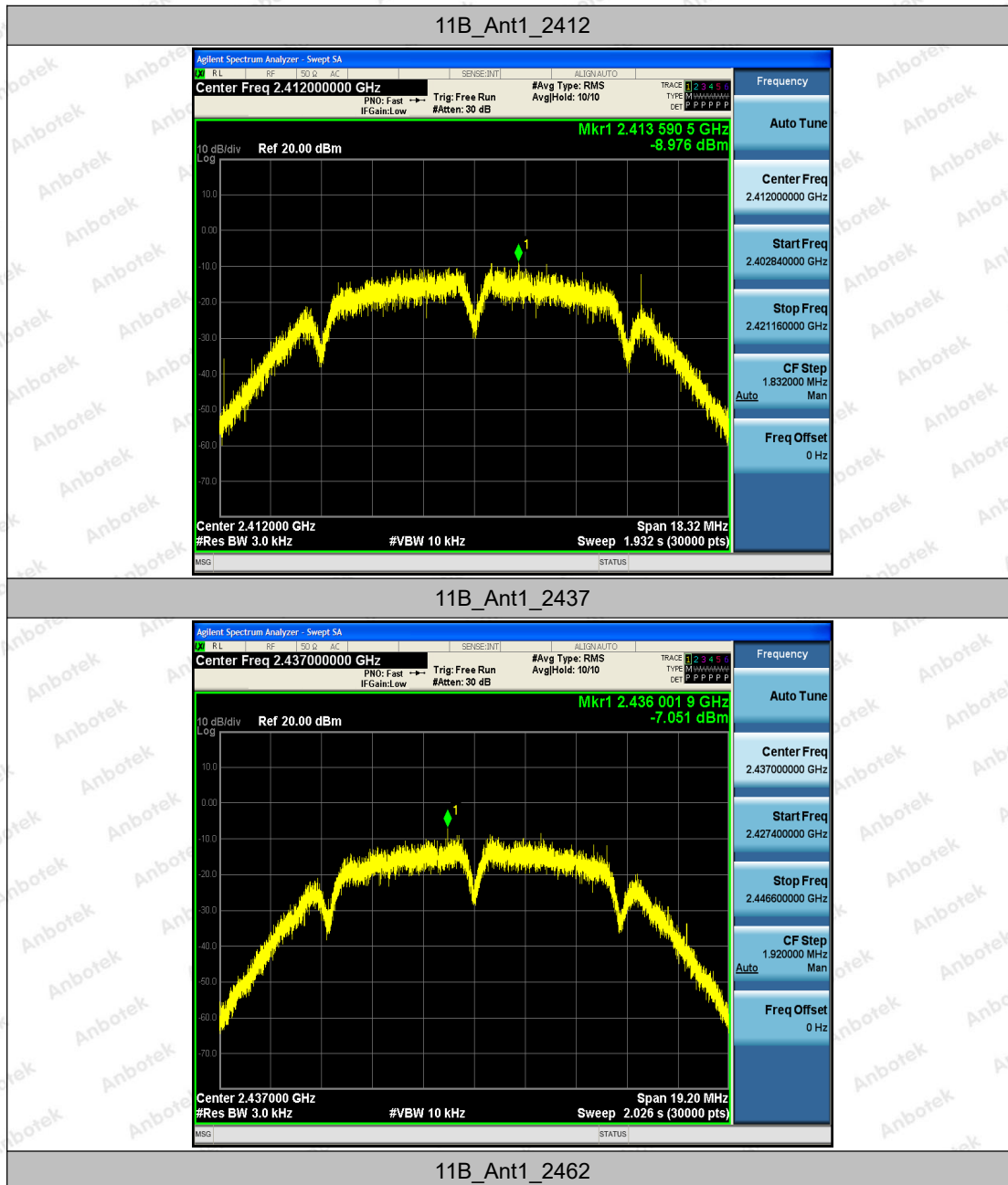
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.59	≤30	PASS
		2437	16.90	≤30	PASS
		2462	17.30	≤30	PASS
11G	Ant1	2412	13.87	≤30	PASS
		2437	13.75	≤30	PASS
		2462	14.06	≤30	PASS
11N20	Ant1	2412	13.89	≤30	PASS
		2437	13.77	≤30	PASS
		2462	14.22	≤30	PASS

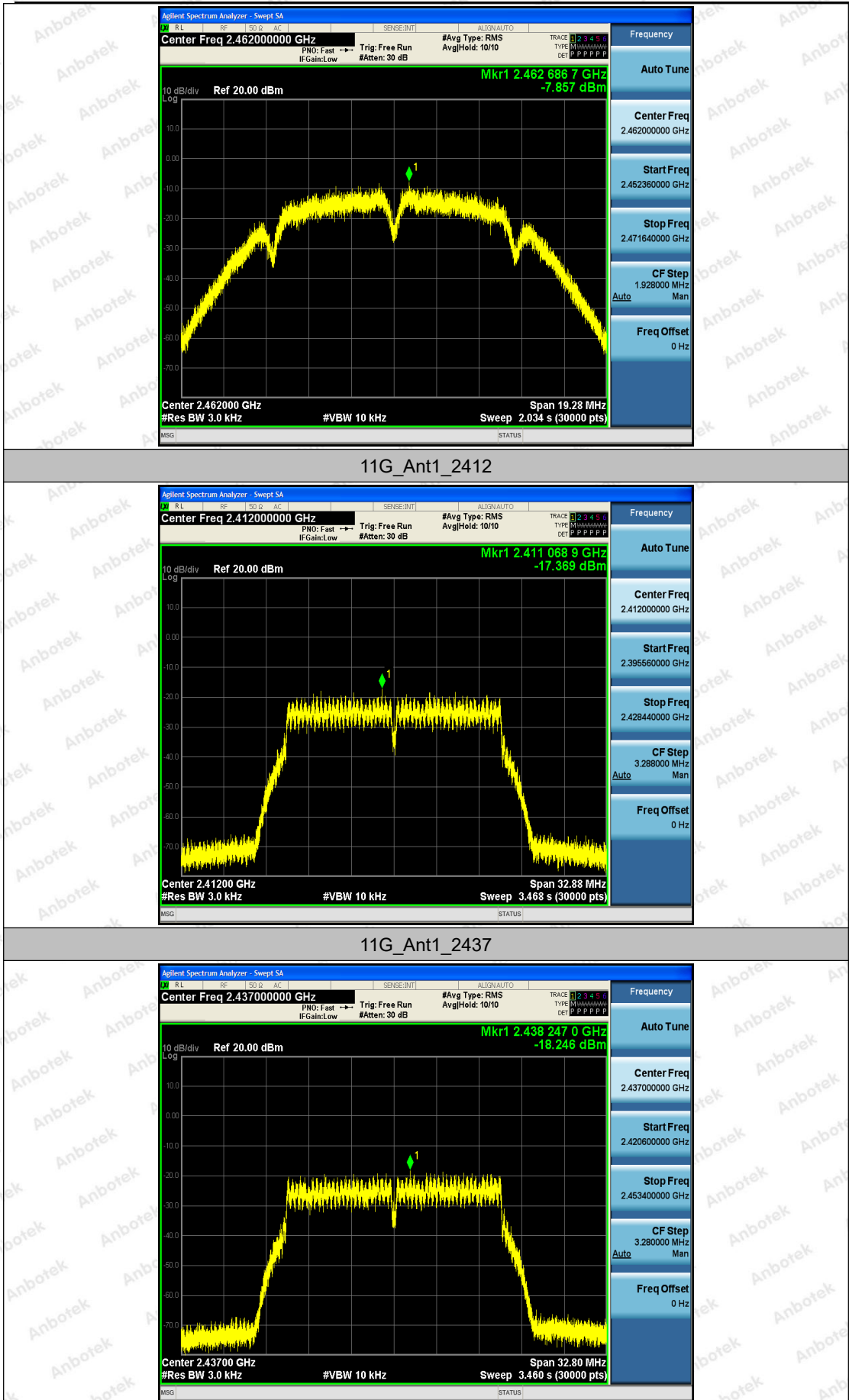
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.98	≤8	PASS
		2437	-7.05	≤8	PASS
		2462	-7.86	≤8	PASS
11G	Ant1	2412	-17.37	≤8	PASS
		2437	-18.25	≤8	PASS
		2462	-17.82	≤8	PASS
11N20	Ant1	2412	-19.02	≤8	PASS
		2437	-18.05	≤8	PASS
		2462	-15.95	≤8	PASS

Test Graphs





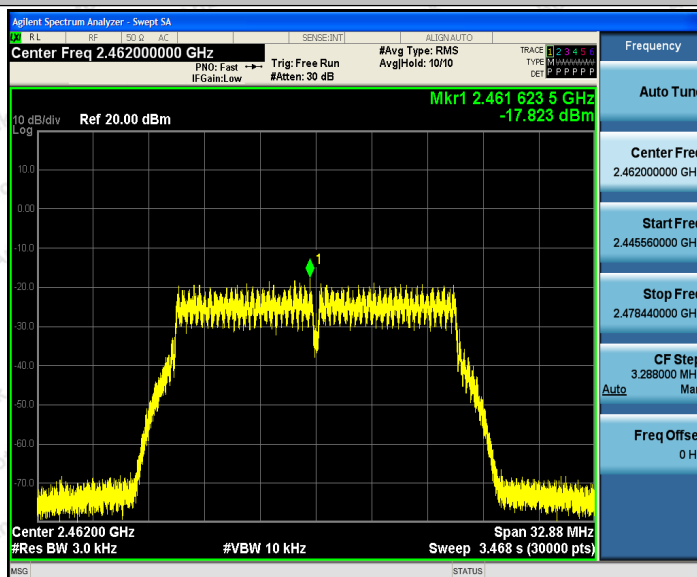
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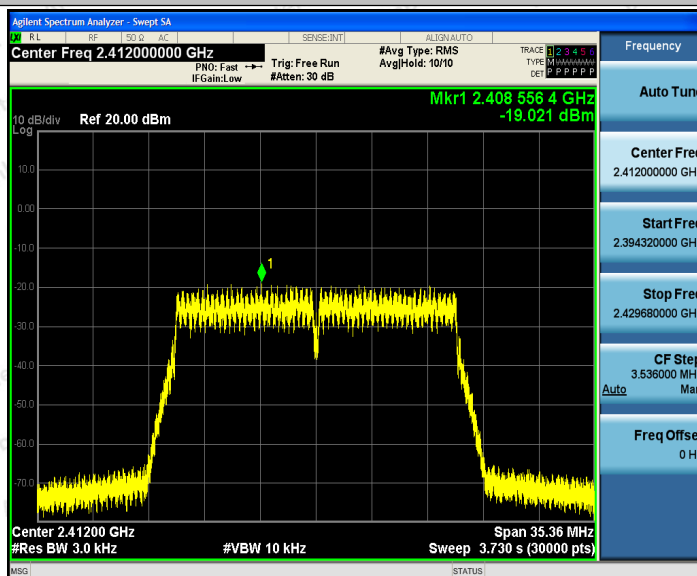
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11G_Ant1_2462



11N20_Ant1_2412



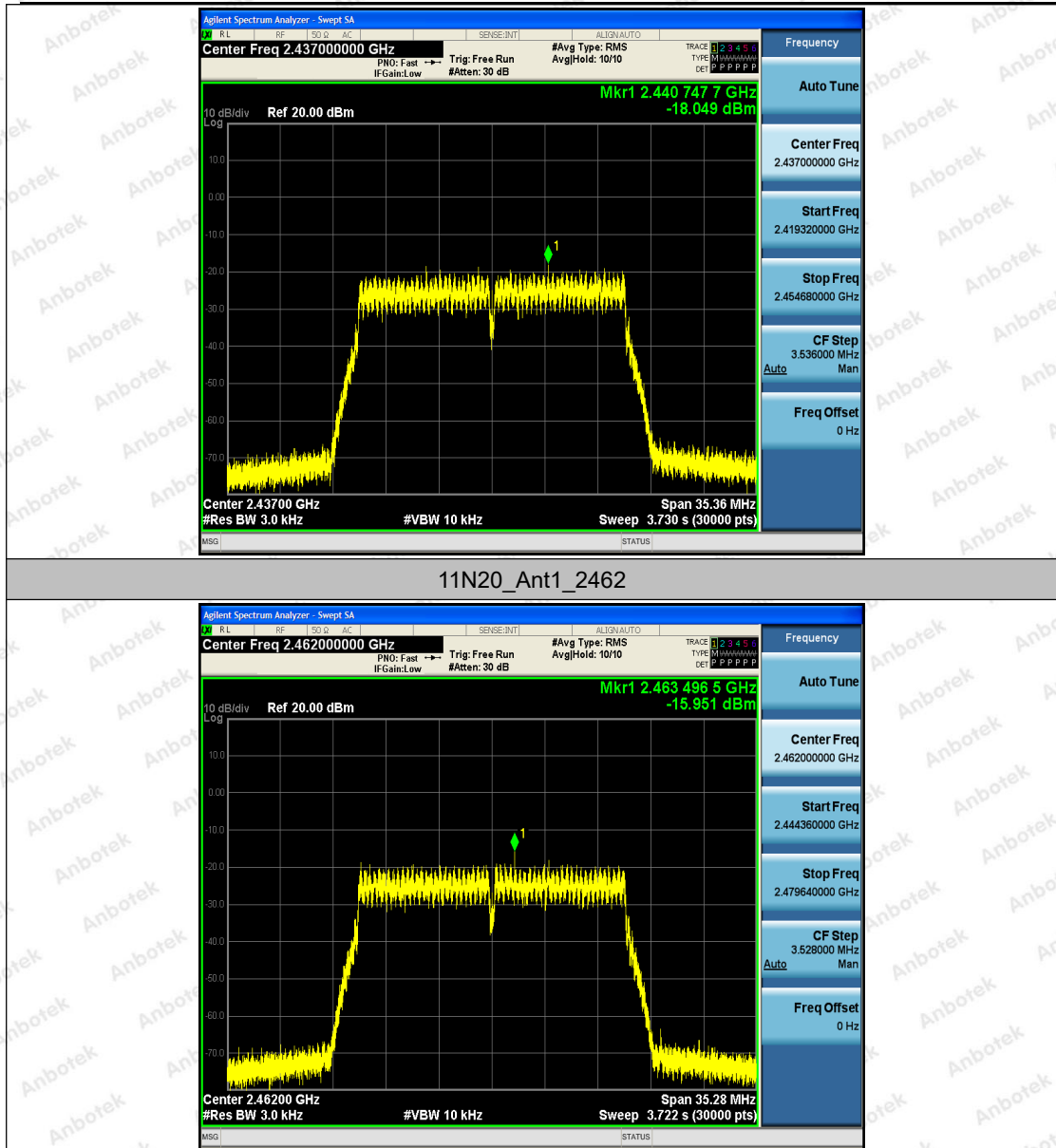
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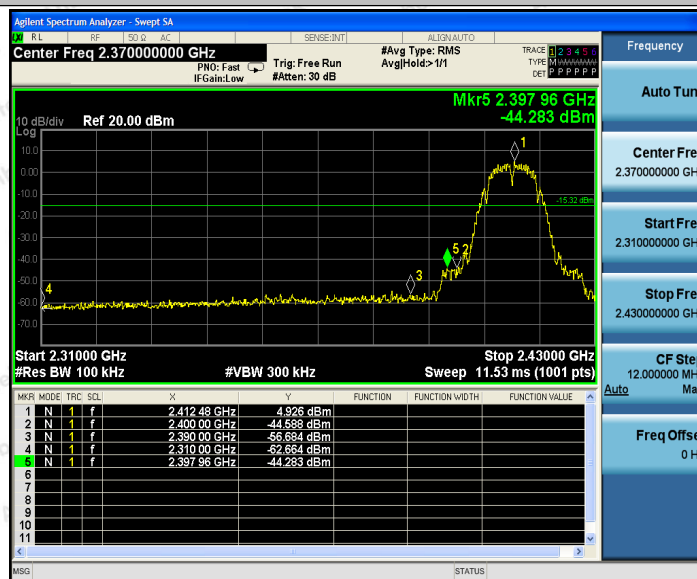
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.68	-44.28	≤-15.32	PASS
		High	2462	5.78	-54.96	≤-14.22	PASS
11G	Ant1	Low	2412	-4.33	-50.65	≤-24.33	PASS
		High	2462	-4.98	-55.72	≤-24.98	PASS
11N20	Ant1	Low	2412	-4.29	-49.27	≤-24.29	PASS
		High	2462	-4.31	-54.88	≤-24.31	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



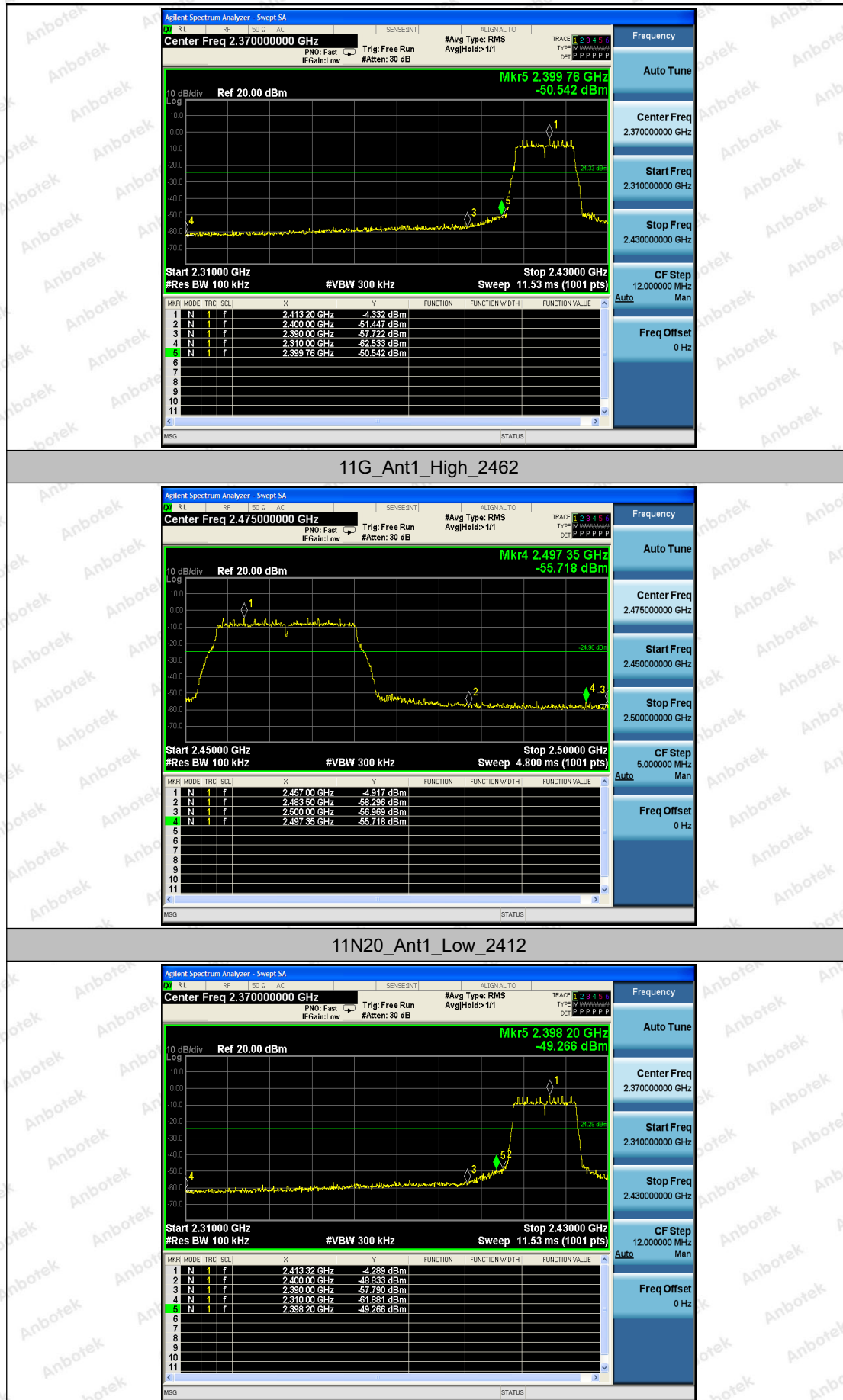
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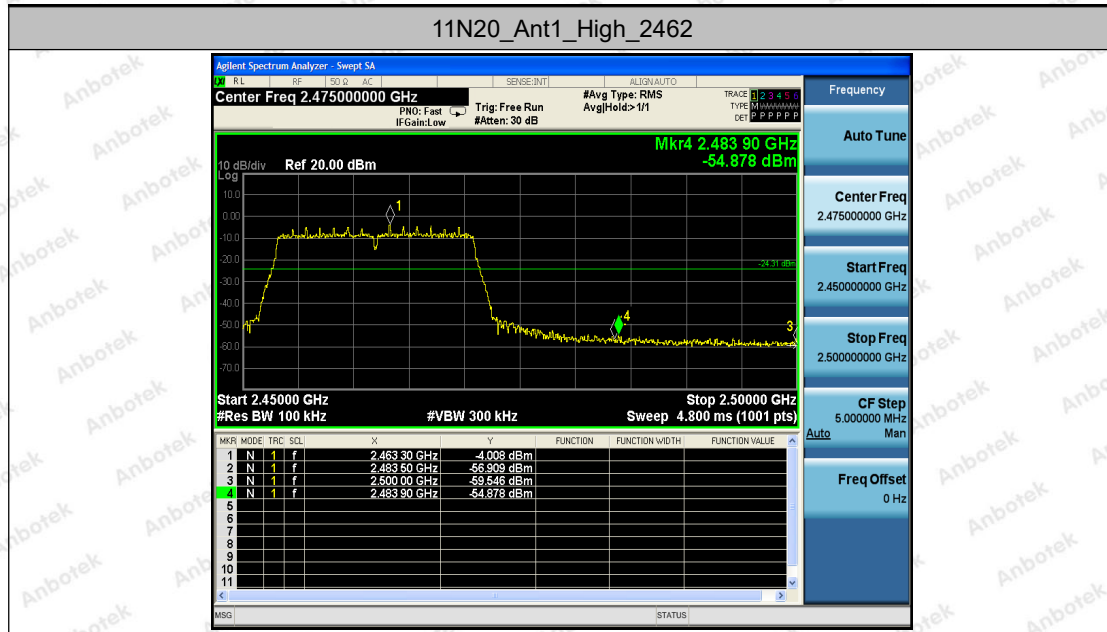


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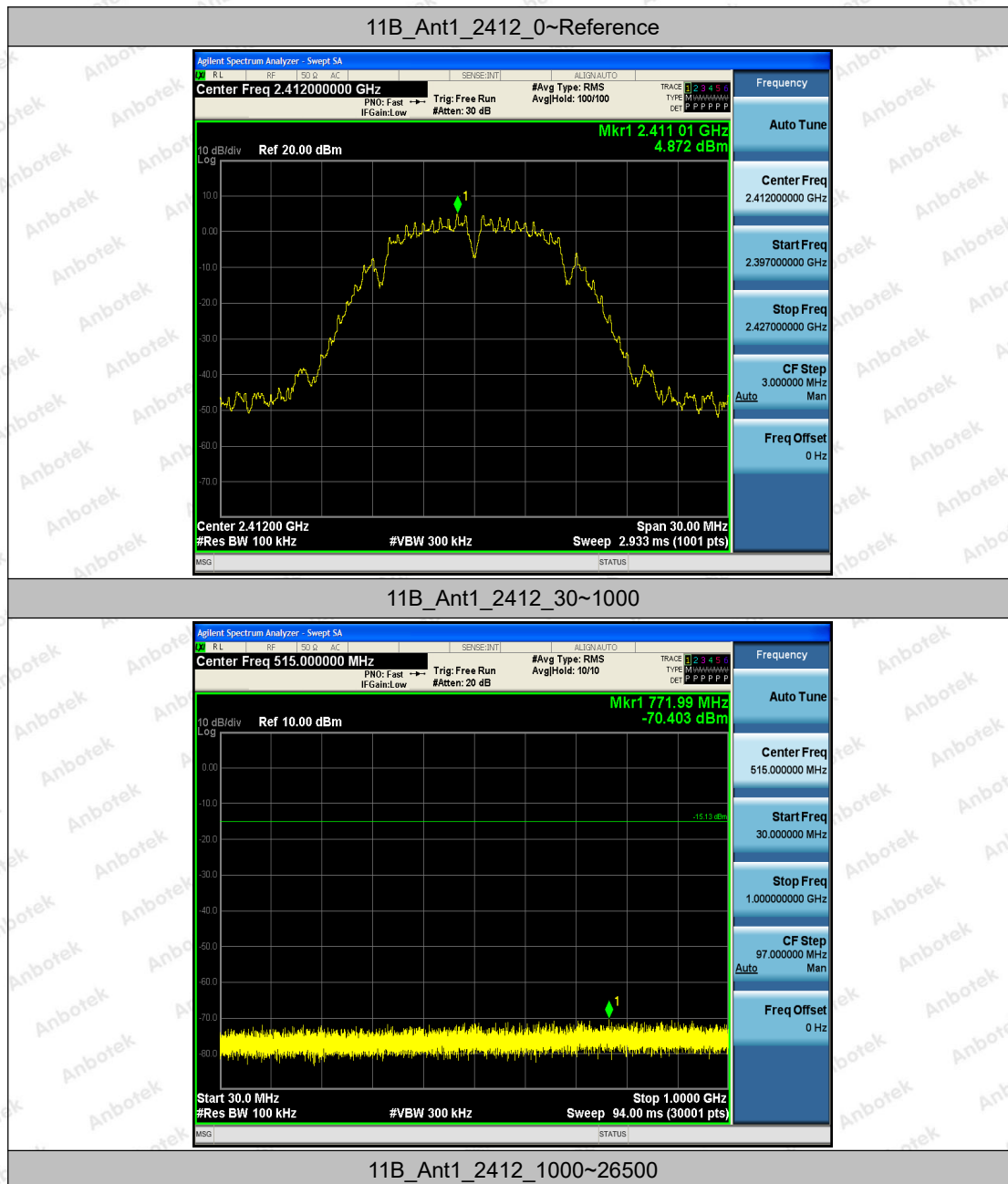
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-70.4	≤-15.13	PASS
			1000~26500	4.87	-52.92	≤-15.13	PASS
		2437	Reference	4.73	4.73	---	PASS
			30~1000	4.73	-70.58	≤-15.27	PASS
			1000~26500	4.73	-53.58	≤-15.27	PASS
		2462	Reference	5.39	5.39	---	PASS
			30~1000	5.39	-70.22	≤-14.61	PASS
			1000~26500	5.39	-55.35	≤-14.61	PASS
11G	Ant1	2412	Reference	-5.22	-5.22	---	PASS
			30~1000	-5.22	-70.72	≤-25.22	PASS
			1000~26500	-5.22	-54.86	≤-25.22	PASS
		2437	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-70.01	≤-24.67	PASS
			1000~26500	-4.67	-53.78	≤-24.67	PASS
		2462	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-60.24	≤-23.78	PASS
			1000~26500	-3.78	-55.32	≤-23.78	PASS
11N20	Ant1	2412	Reference	-4.97	-4.97	---	PASS
			30~1000	-4.97	-70.22	≤-24.97	PASS
			1000~26500	-4.97	-55.55	≤-24.97	PASS
		2437	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-68.67	≤-24.51	PASS
			1000~26500	-4.51	-54.75	≤-24.51	PASS
		2462	Reference	-4.83	-4.83	---	PASS
			30~1000	-4.83	-69.49	≤-24.83	PASS
			1000~26500	-4.83	-55.19	≤-24.83	PASS

Test Graphs

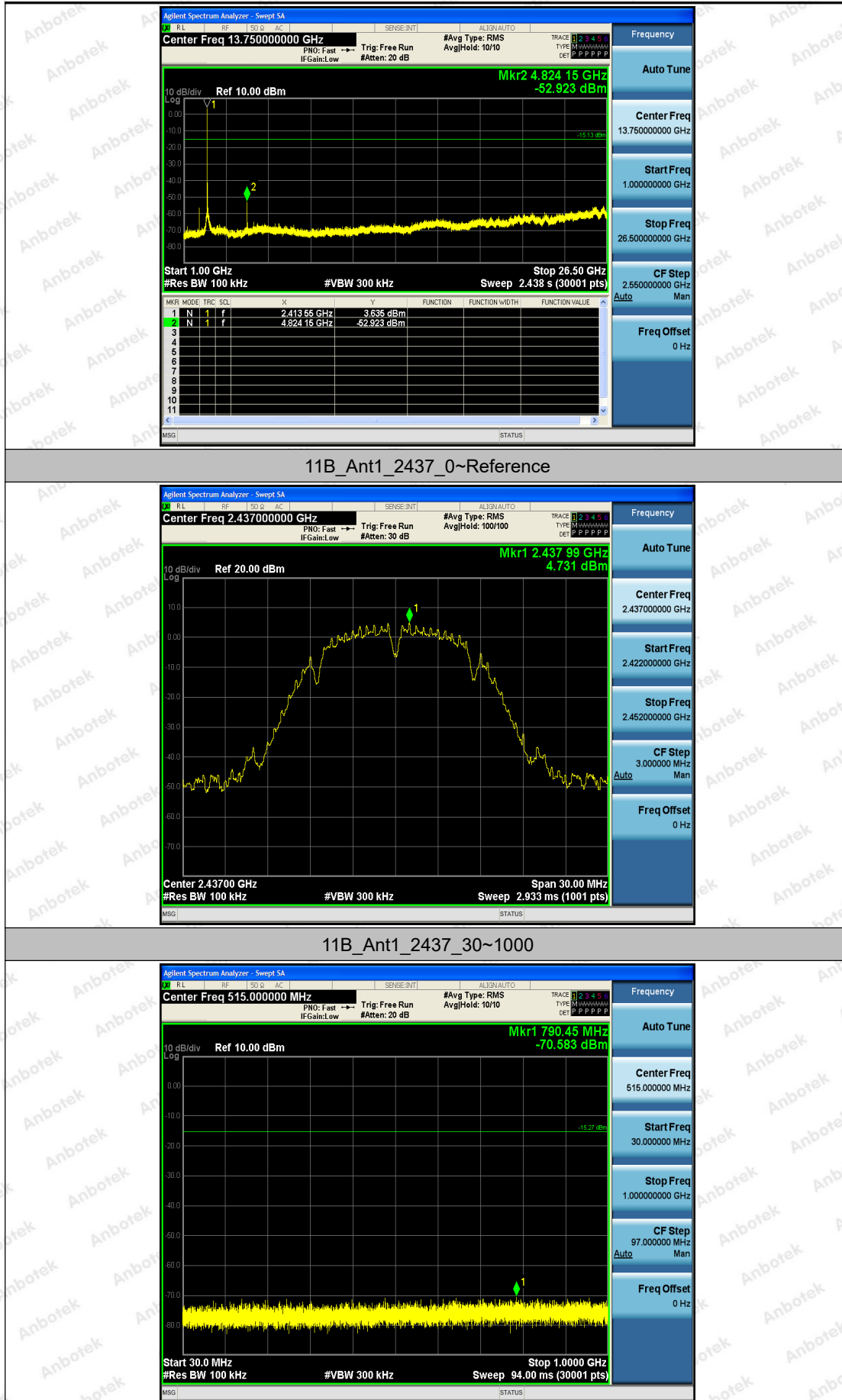


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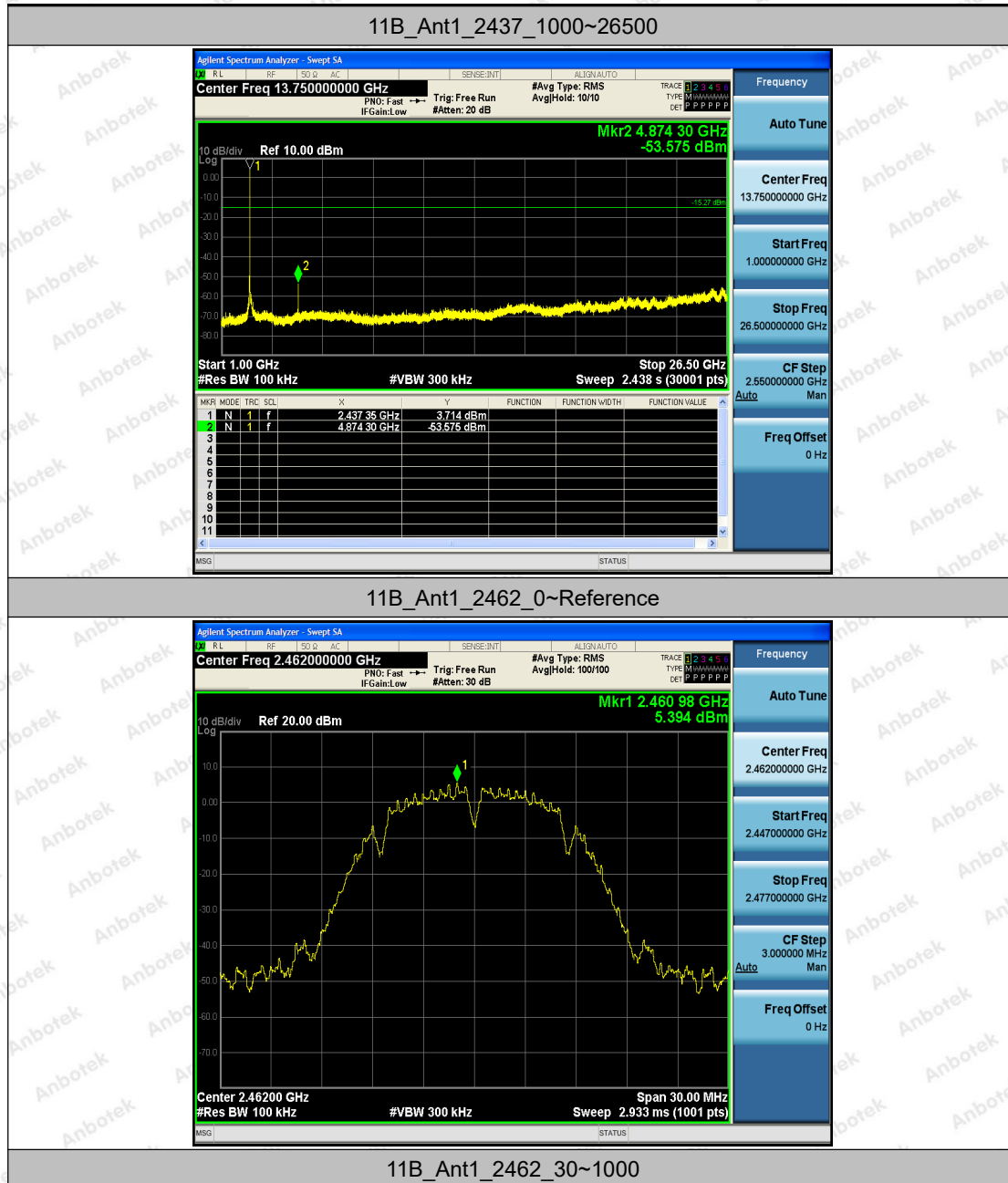


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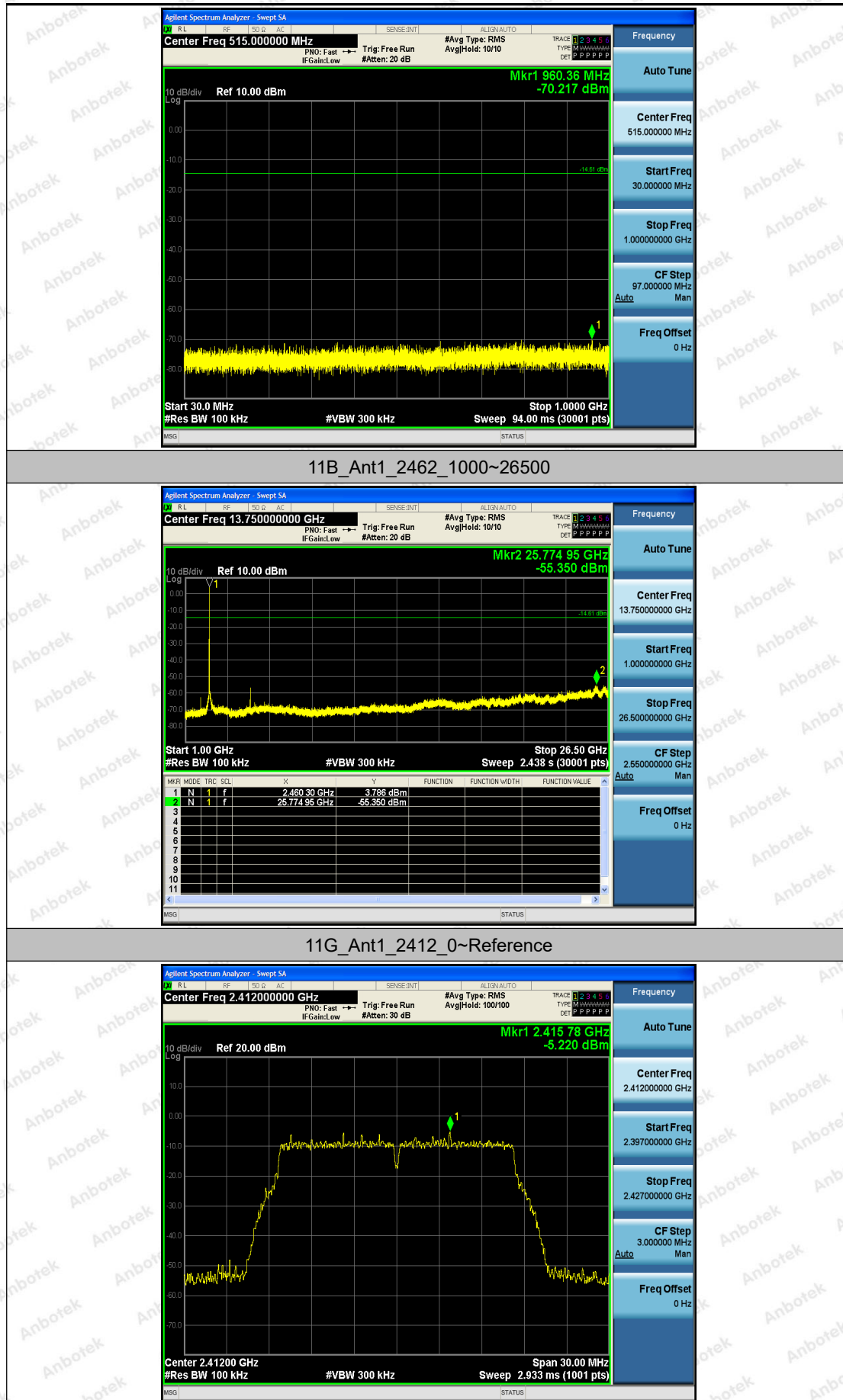


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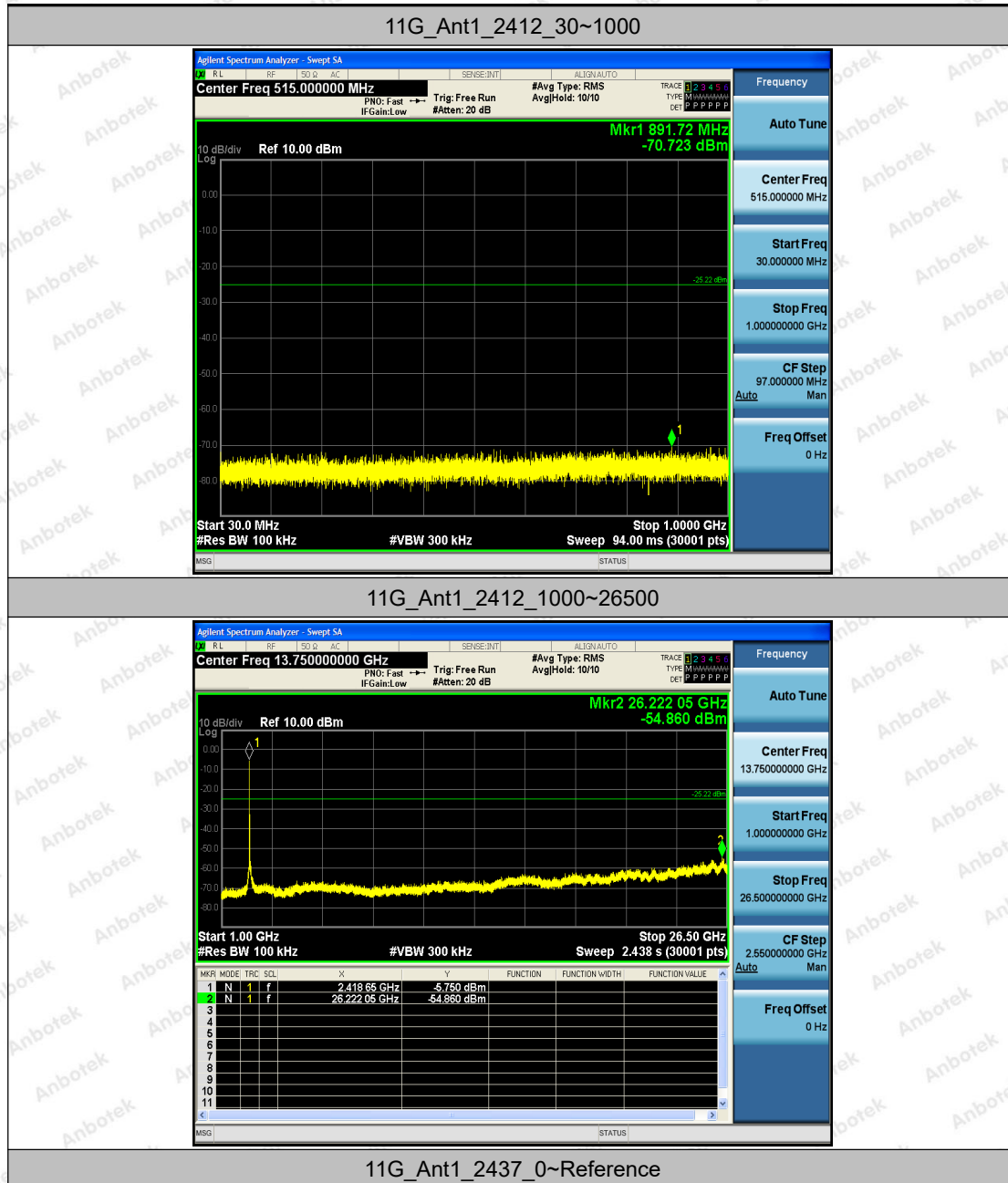


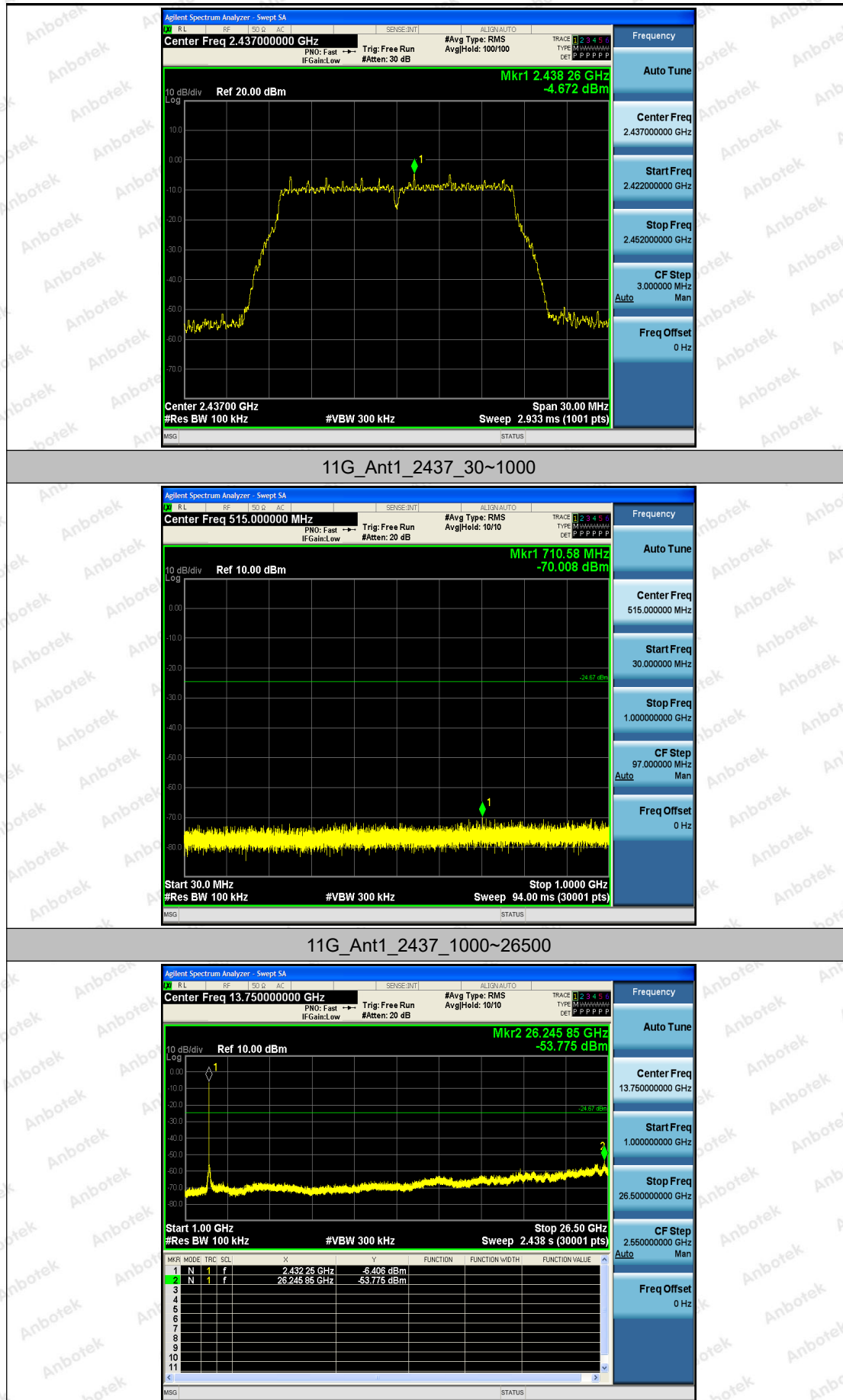
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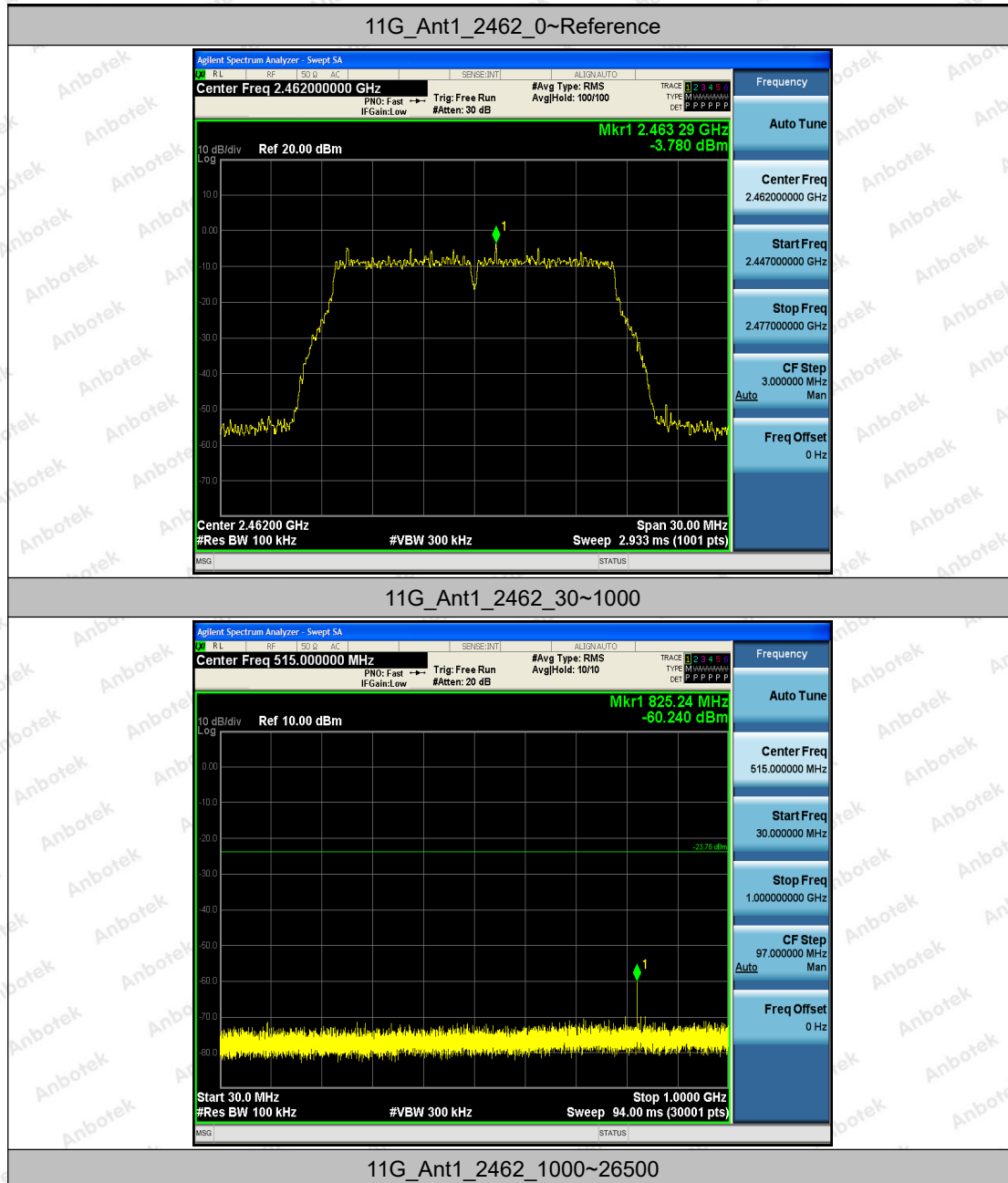


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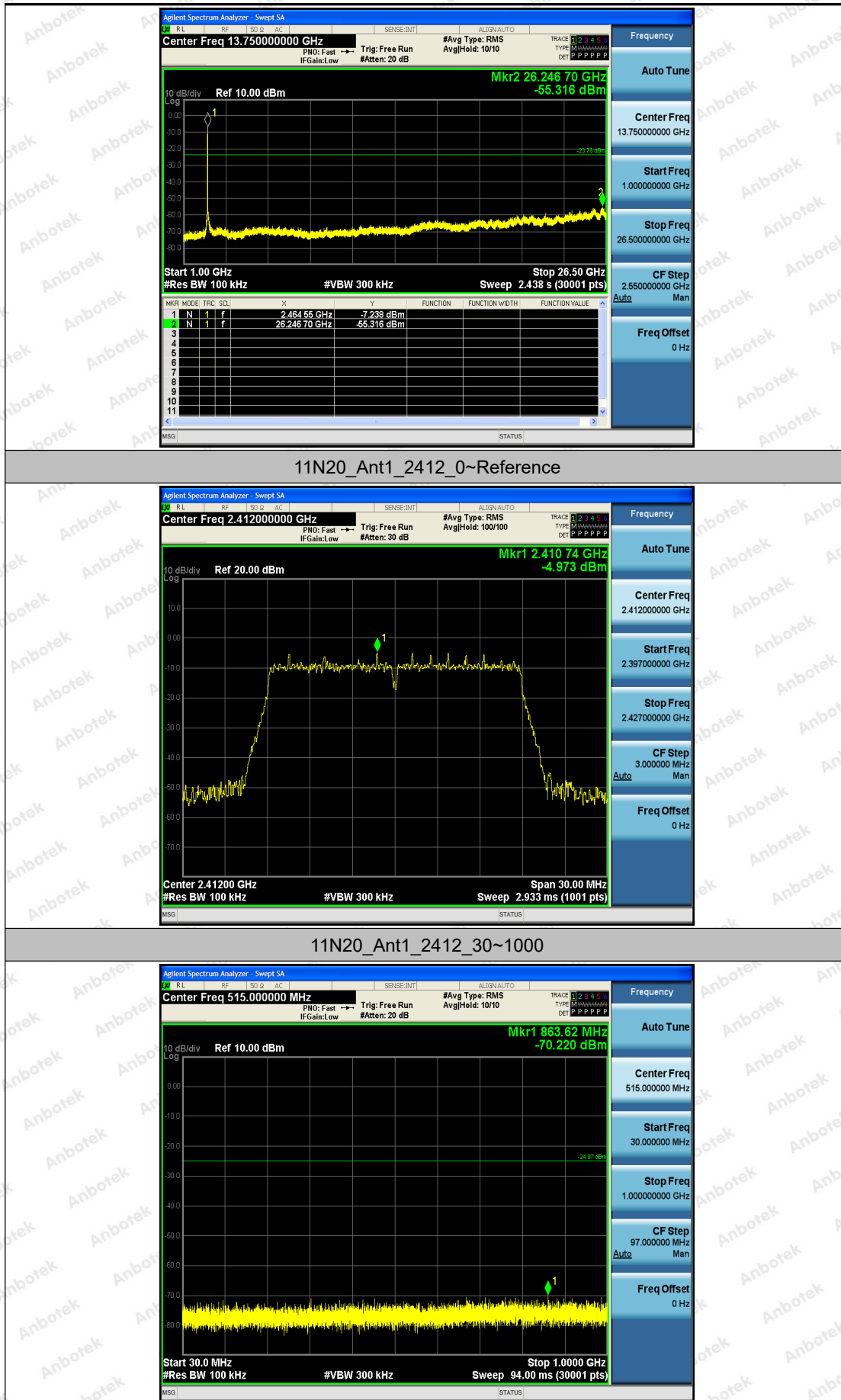
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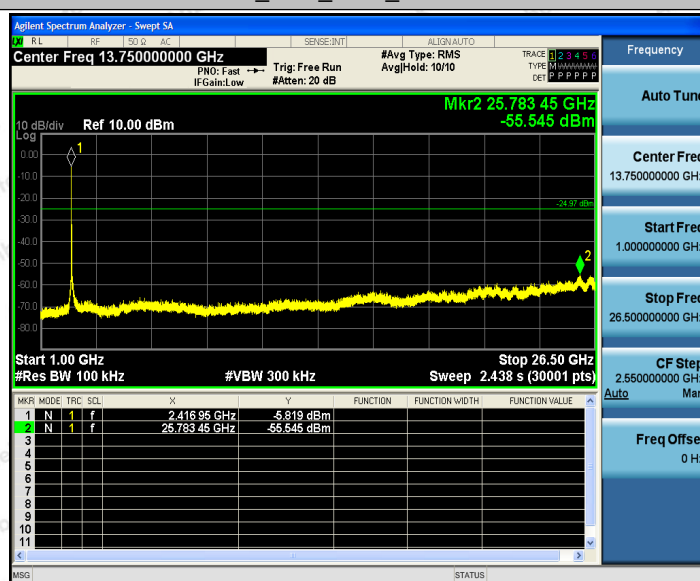


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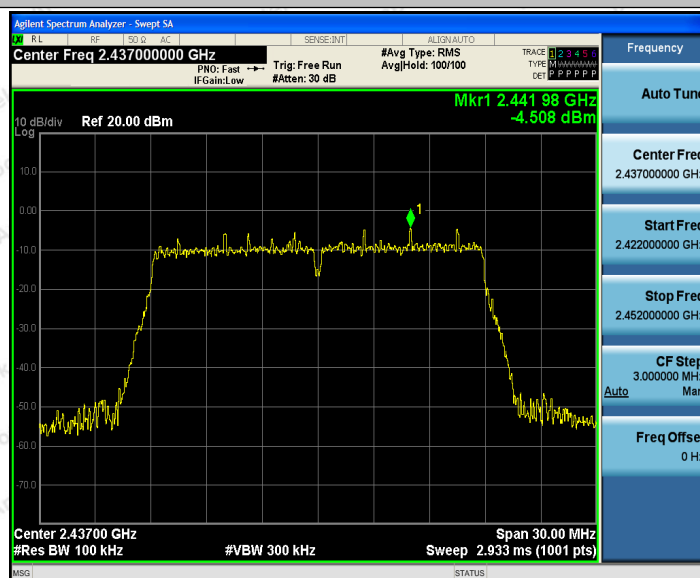
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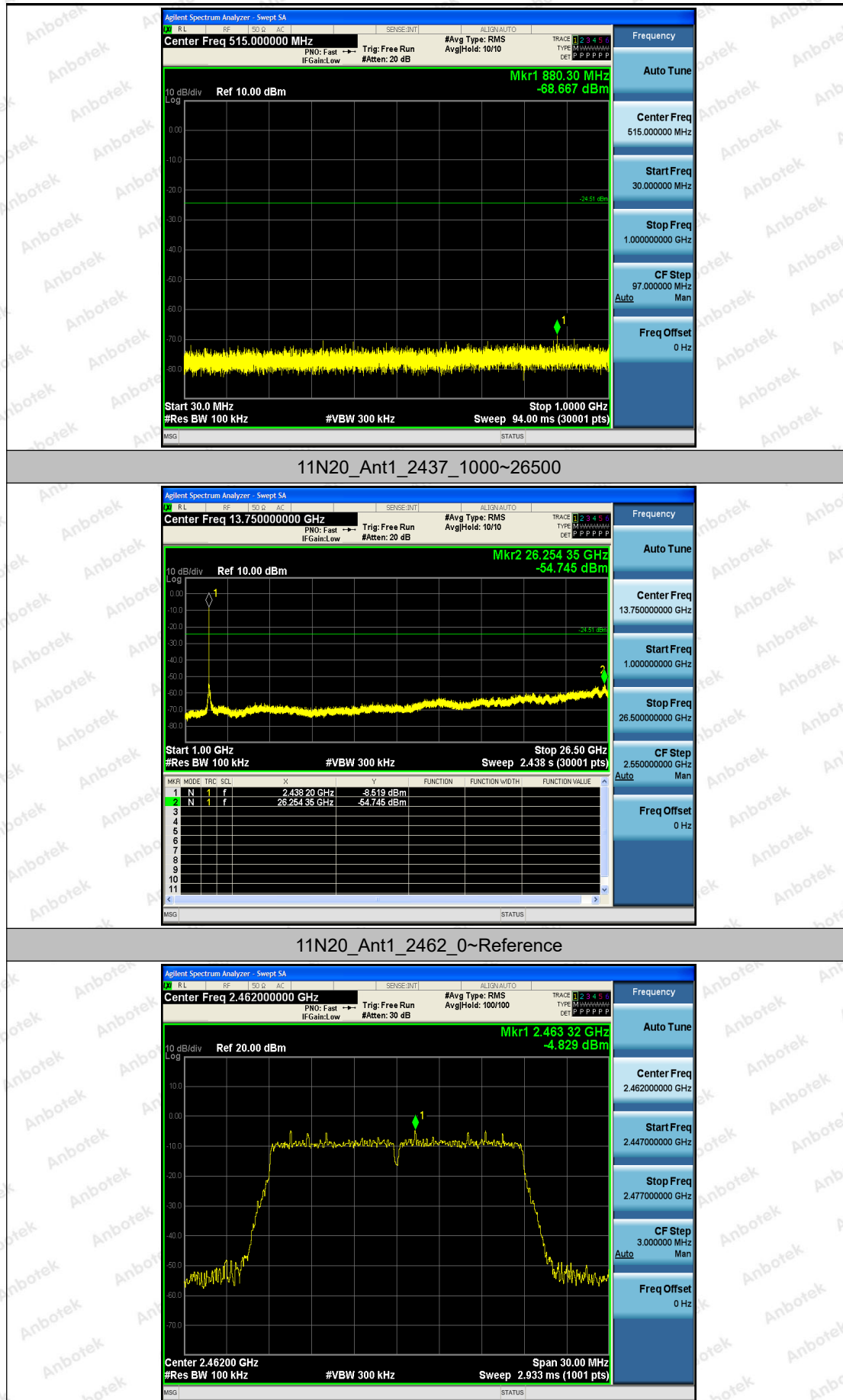
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11N20 Ant1 2437 0~Reference



11N20 Ant1 2437 30~1000

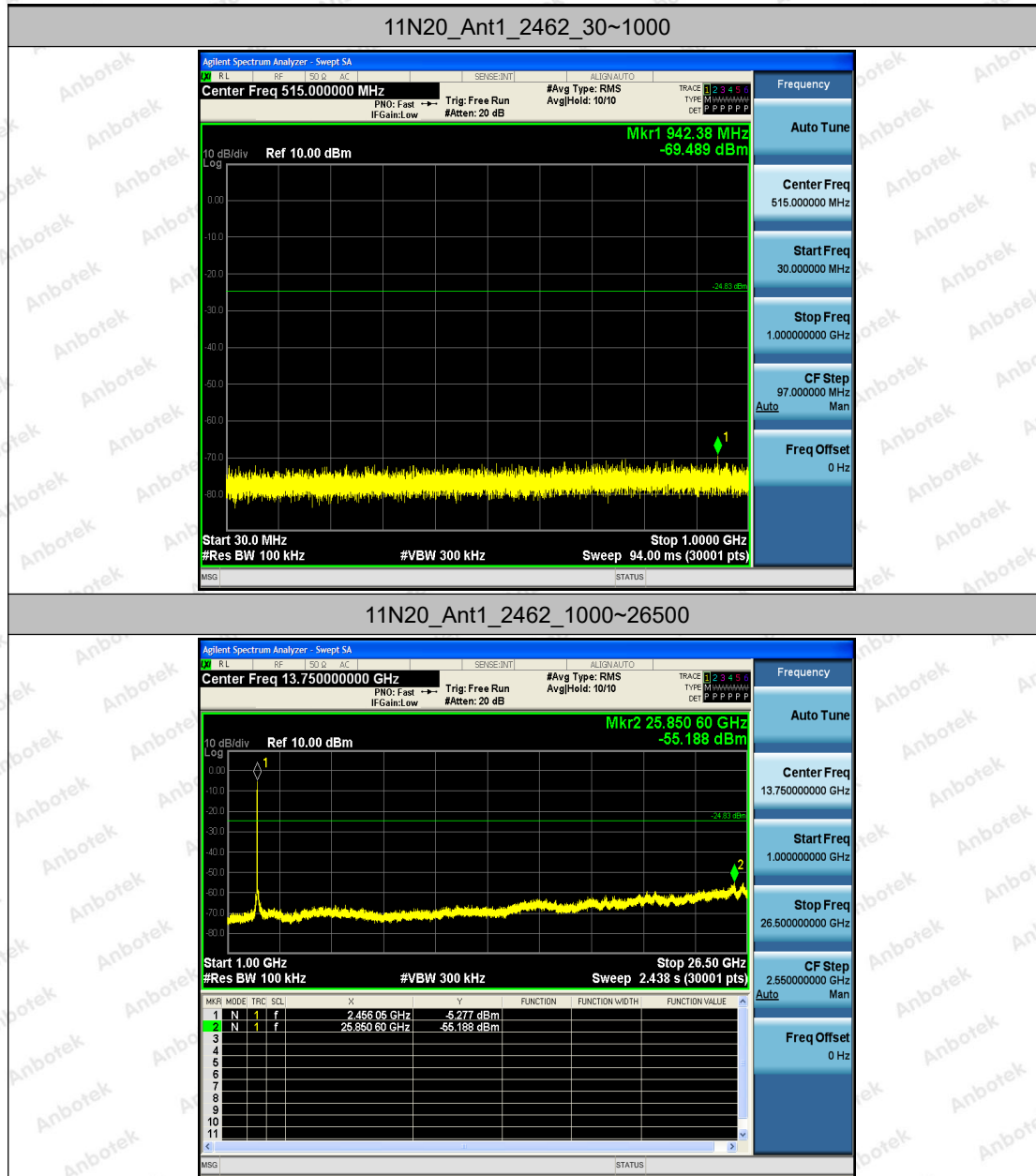


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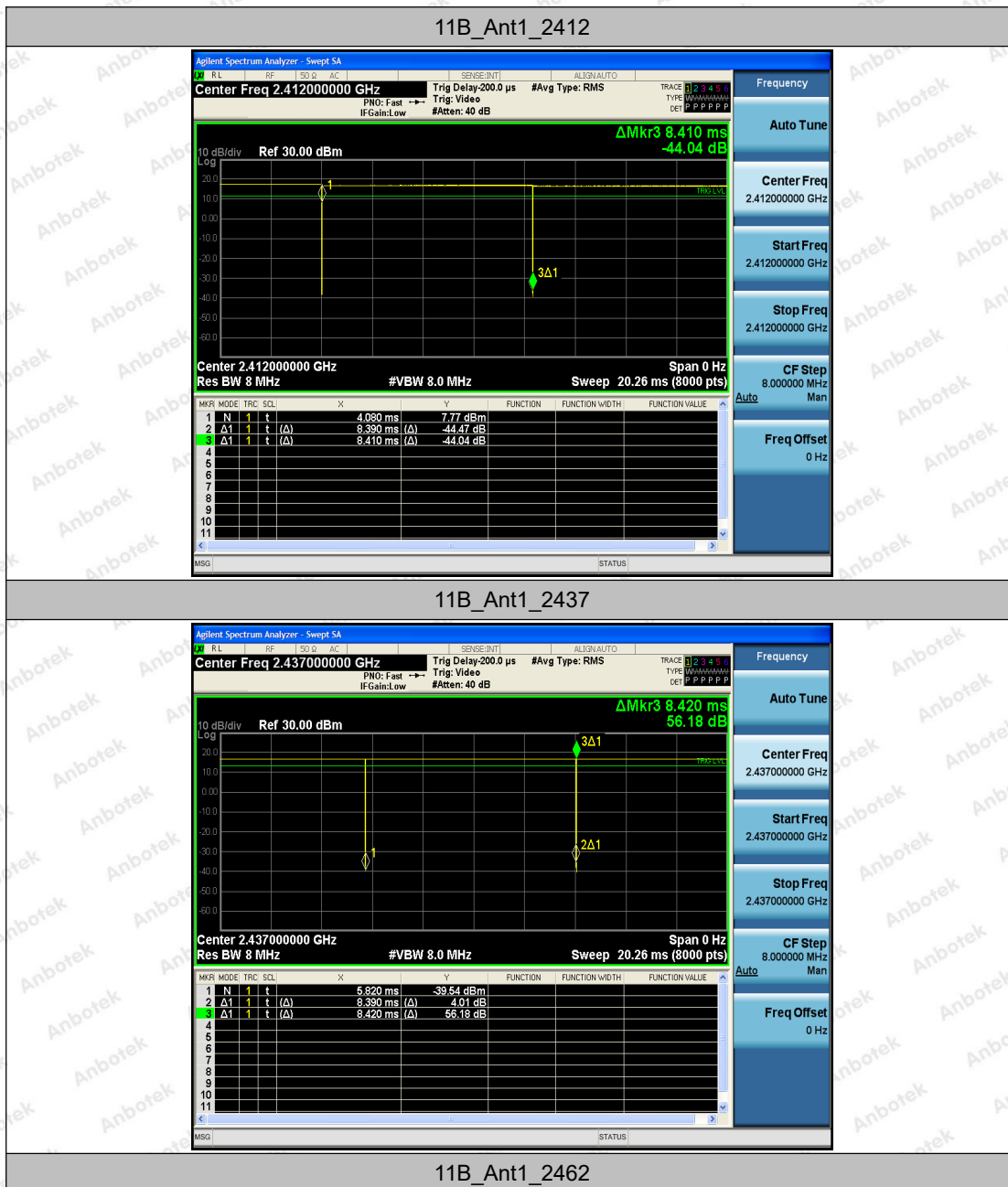
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.41	99.76	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.39	8.41	99.76	---	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	1.33	97.74	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.34	97.01	---	PASS

Test Graphs

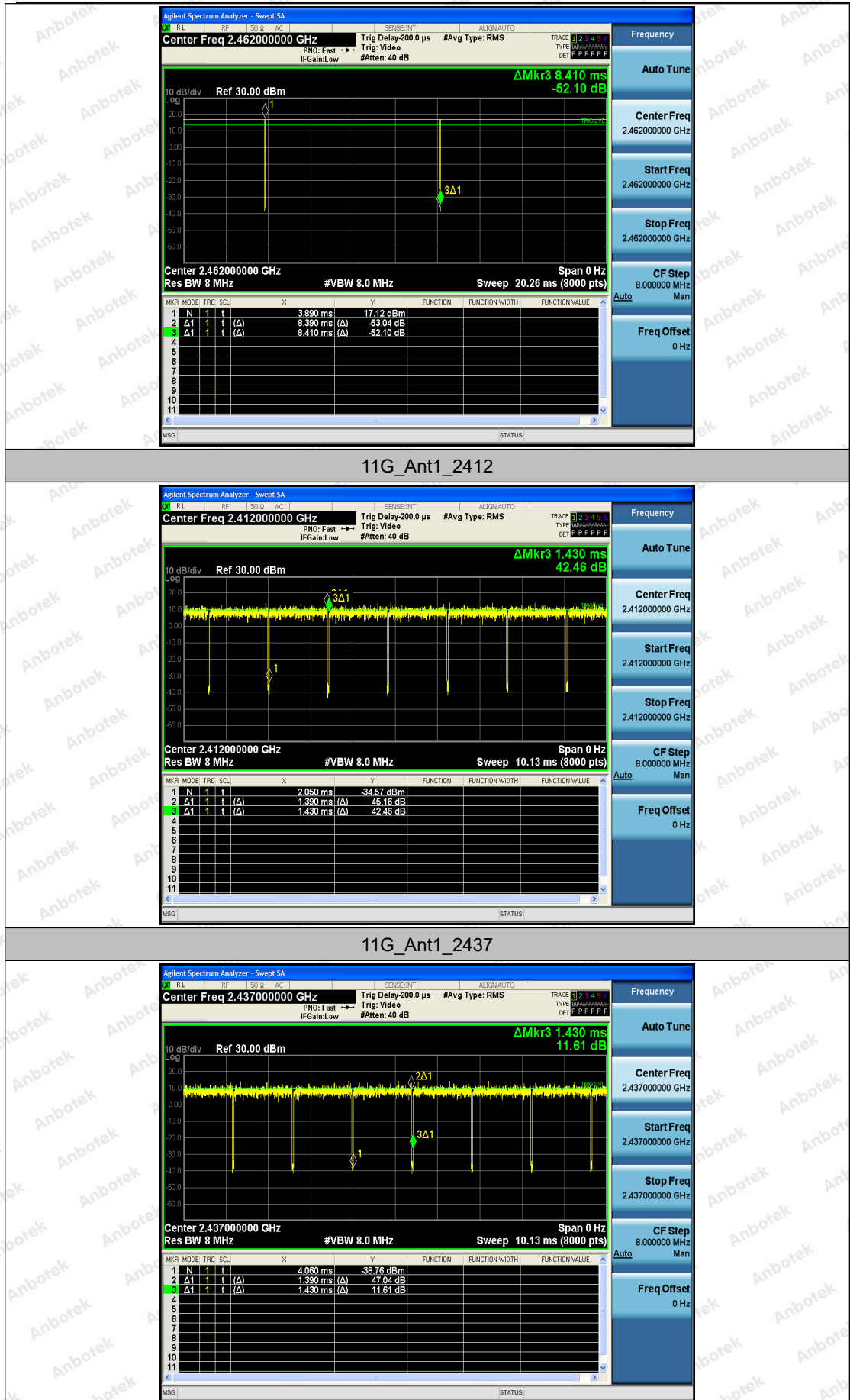


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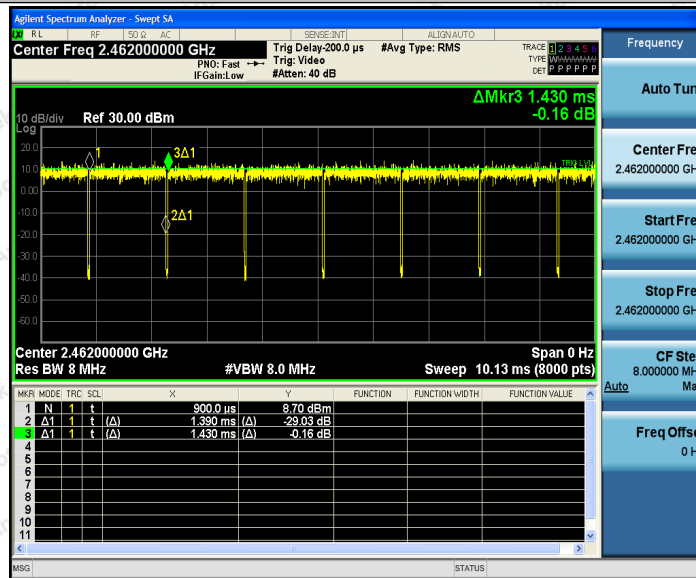
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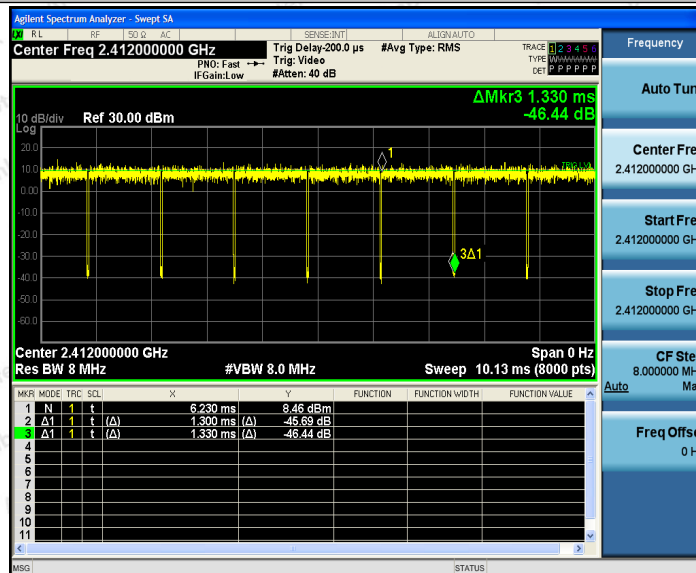
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11G_Ant1_2462



11N20_Ant1_2412



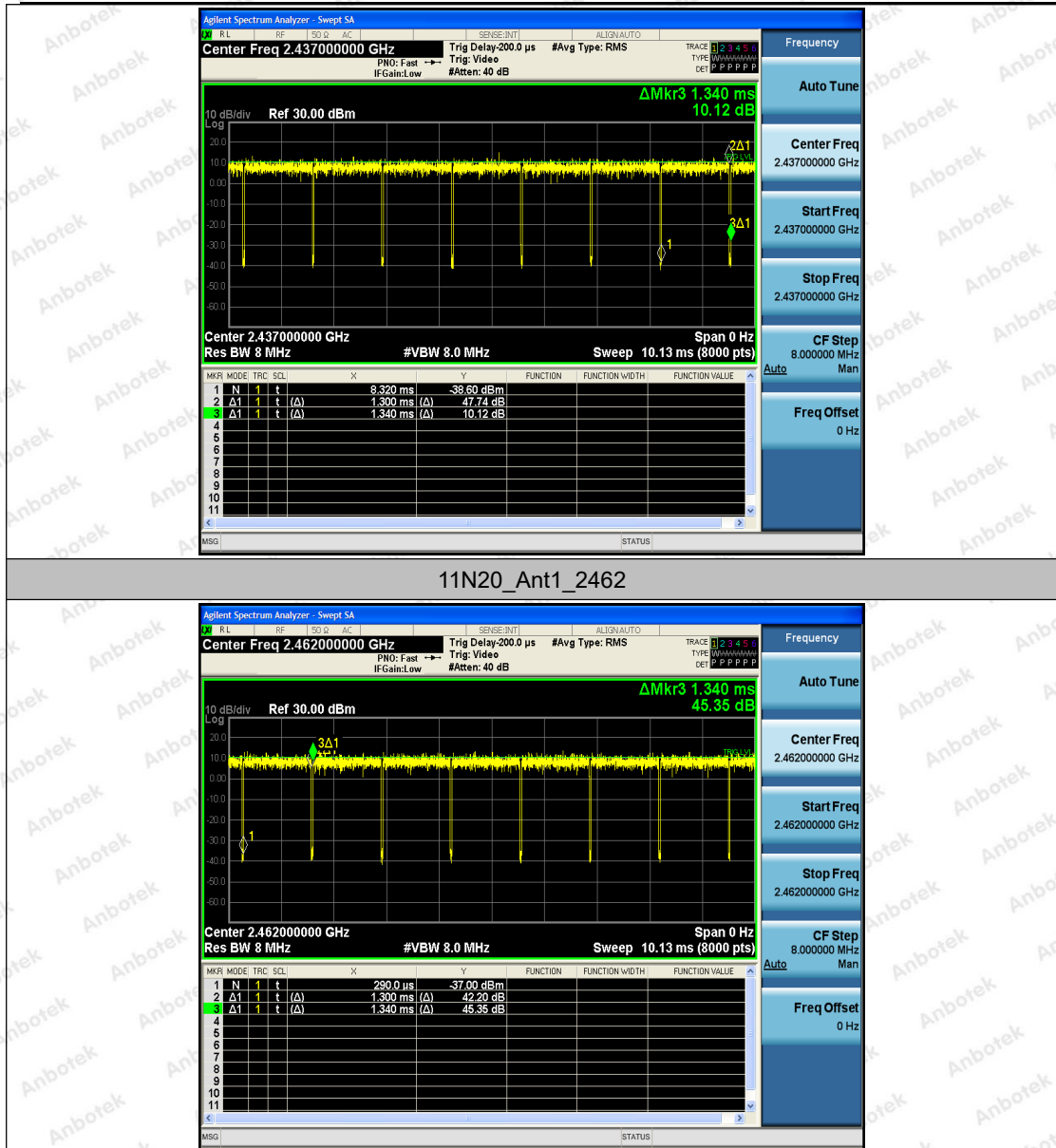
11N20_Ant1_2437

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