

Appendix Test Data

Report No.:	18220WC20074202	Test Sample No.:	1-2-2
Start Test Date:	2022.4.11	Finish Test Date:	2022.4.18
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.5 %
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	9.160	2407.440	2416.600	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	8.160	2457.920	2466.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.400	2428.440	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS

Test Graphs

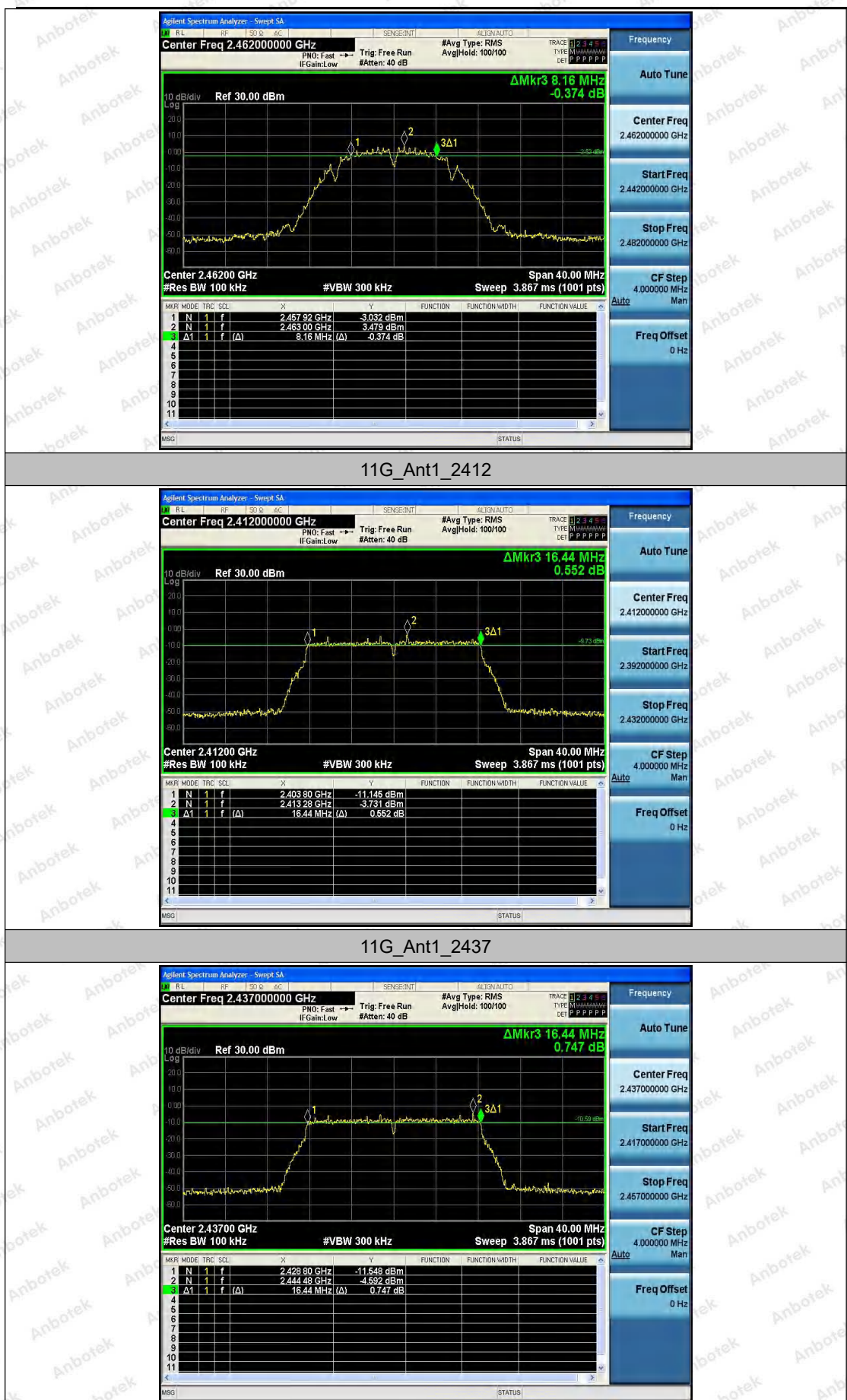
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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11G_Ant1_2462



11N20_Ant1_2412



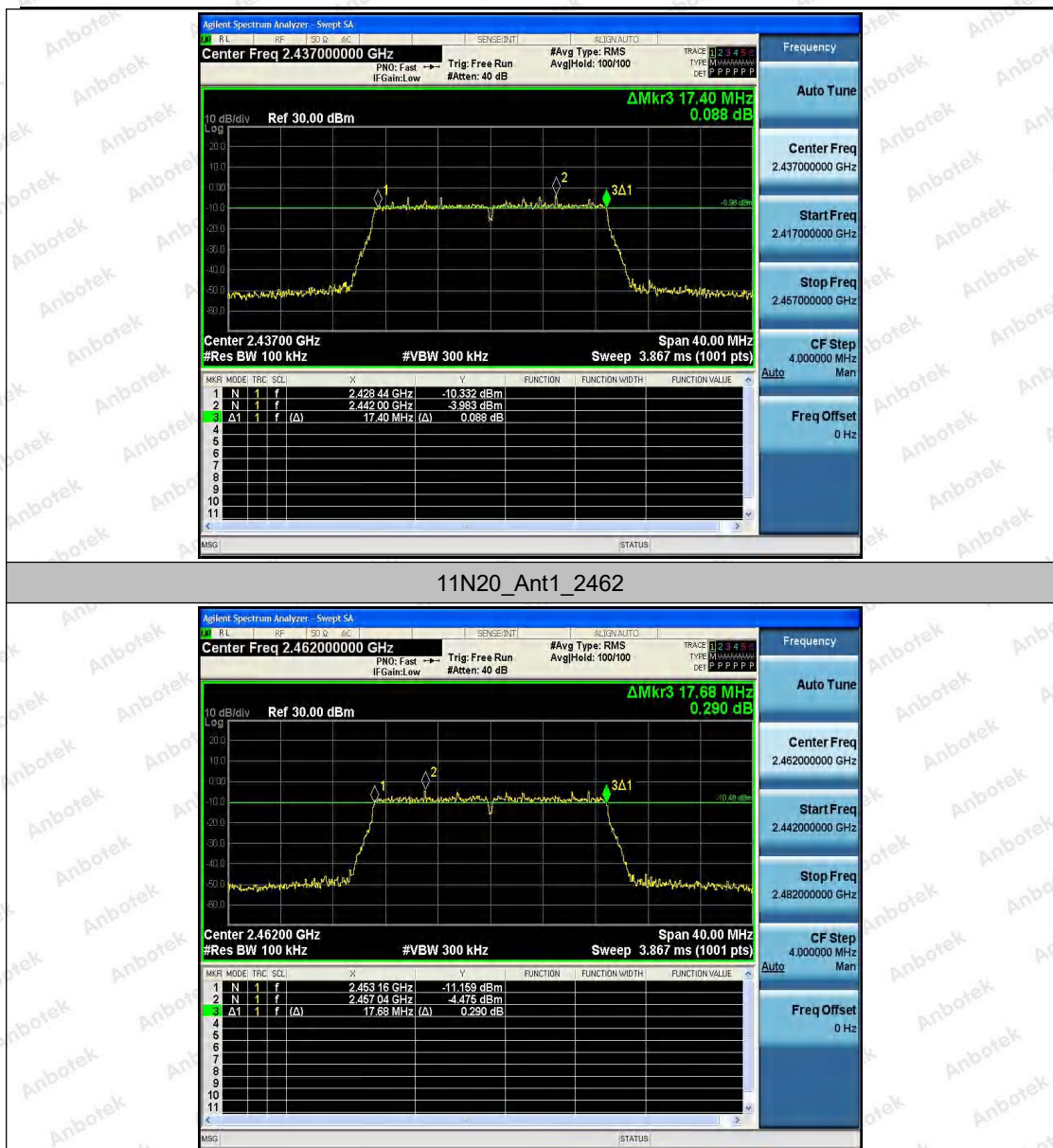
11N20_Ant1_2437

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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	12.325	2405.906	2418.231	---	PASS
		2437	12.270	2430.916	2443.186	---	PASS
		2462	12.293	2455.874	2468.167	---	PASS
11G	Ant1	2412	17.078	2403.552	2420.630	---	PASS
		2437	17.030	2428.543	2445.573	---	PASS
		2462	17.091	2453.461	2470.552	---	PASS
11N20	Ant1	2412	17.954	2403.052	2421.006	---	PASS
		2437	17.987	2428.049	2446.036	---	PASS
		2462	17.985	2453.014	2470.999	---	PASS

Test Graphs

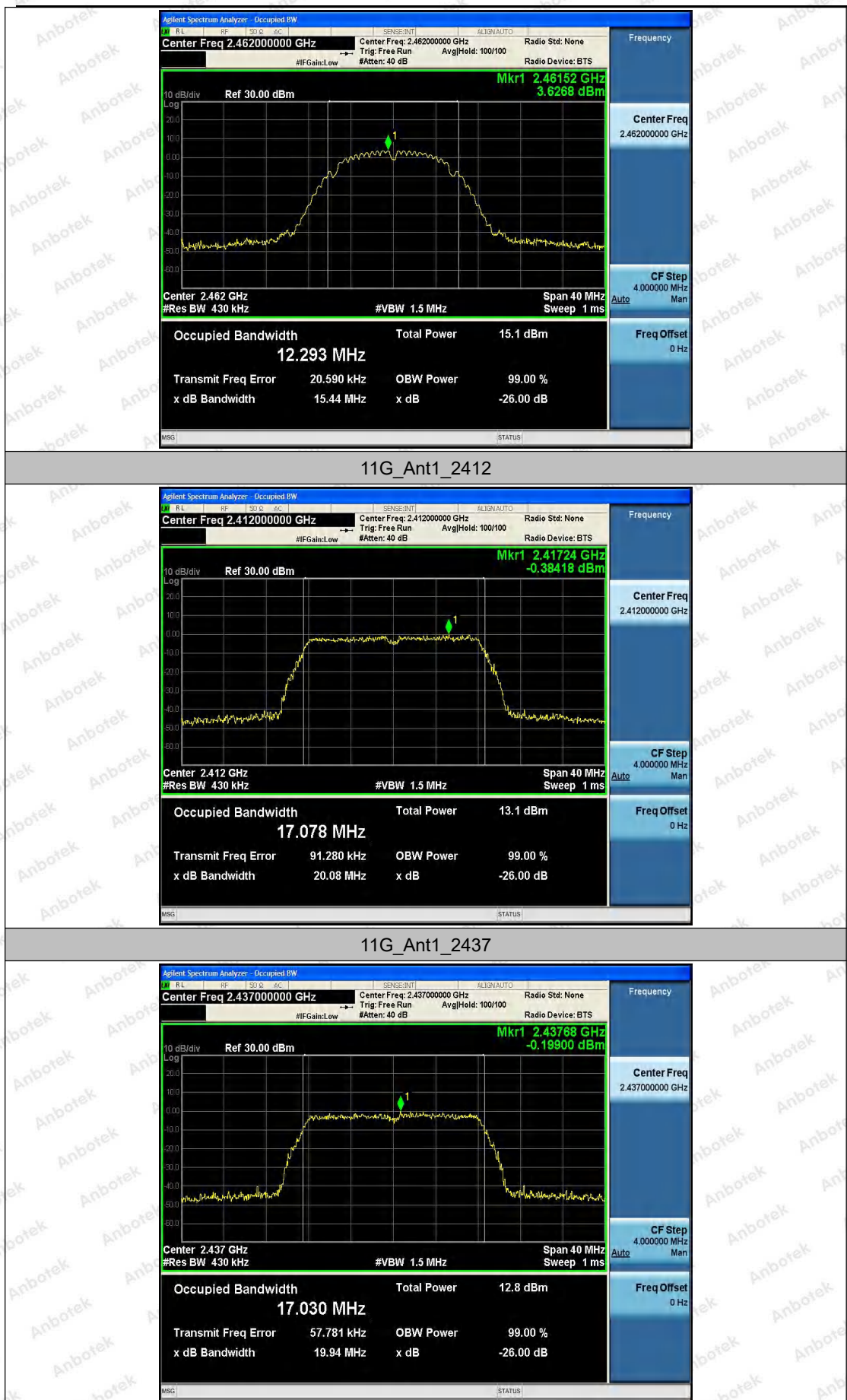


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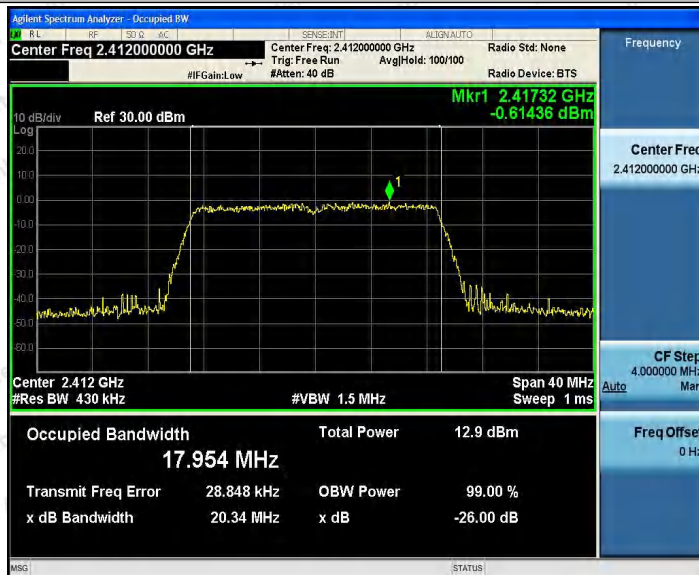
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11G_Ant1_2462



11N20_Ant1_2412



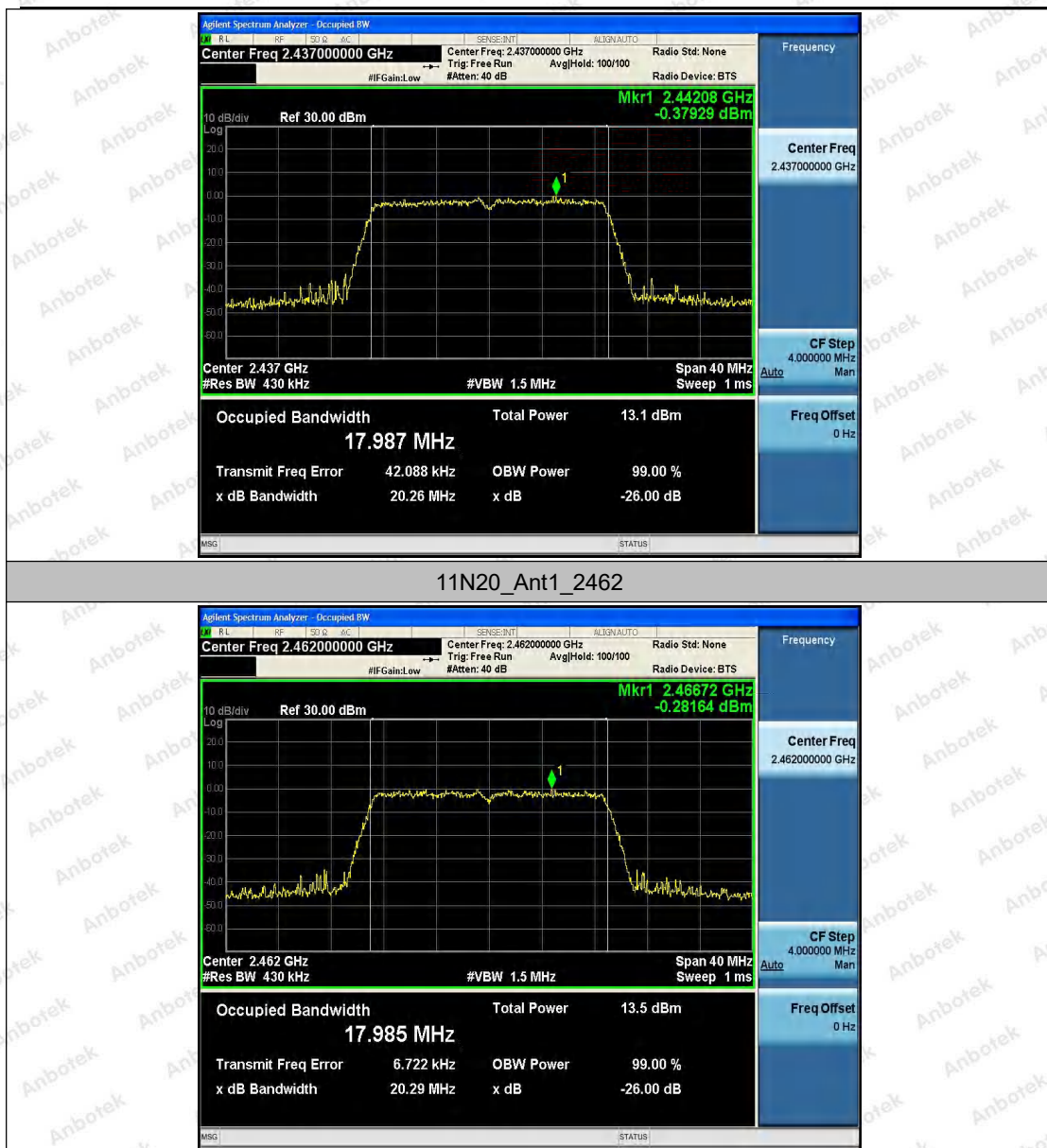
11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

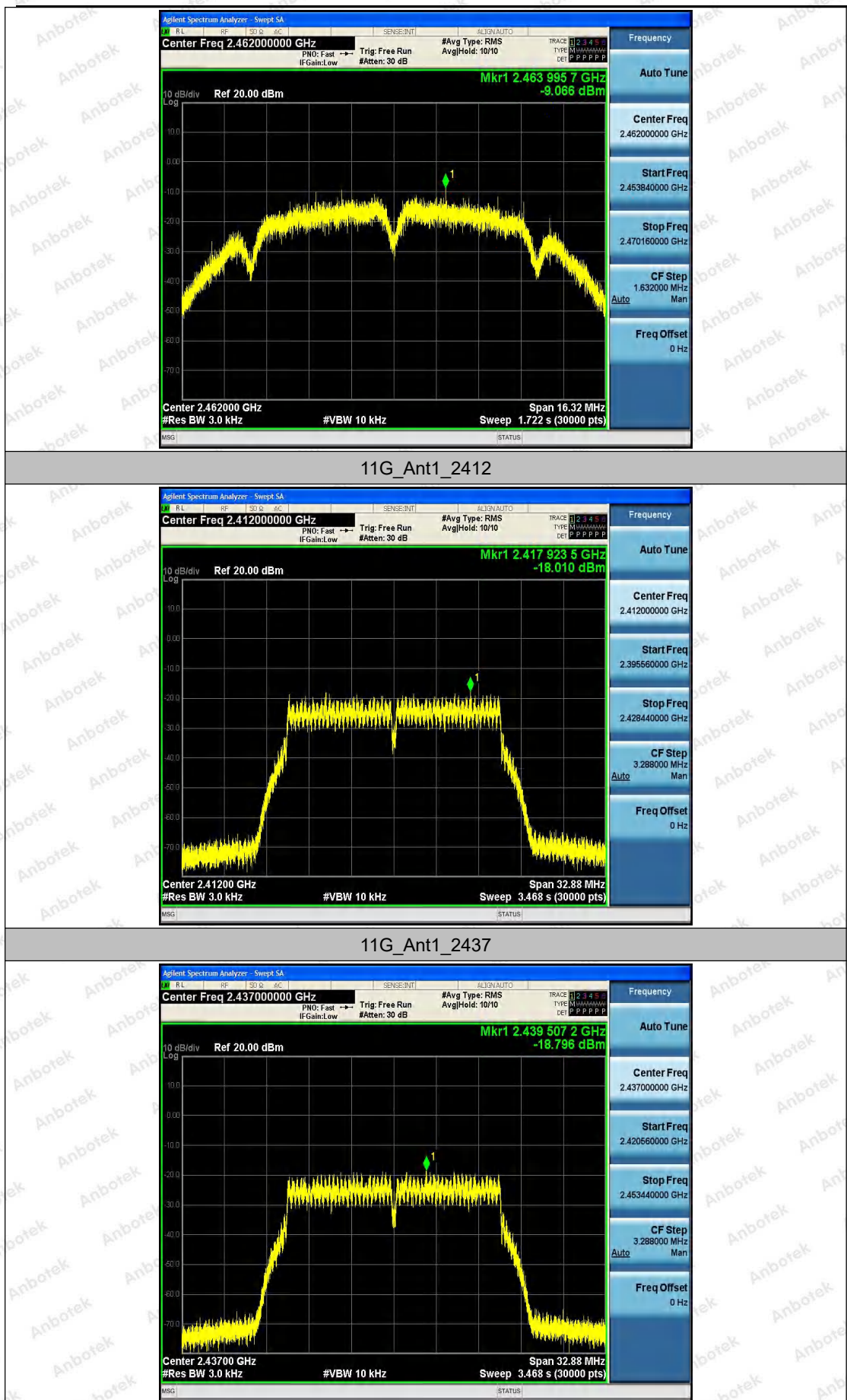
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.73	≤30	PASS
		2437	14.95	≤30	PASS
		2462	15.06	≤30	PASS
11G	Ant1	2412	14.34	≤30	PASS
		2437	13.95	≤30	PASS
		2462	14.10	≤30	PASS
11N20	Ant1	2412	14.08	≤30	PASS
		2437	14.28	≤30	PASS
		2462	14.63	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.74	≤8	PASS
		2437	-10.57	≤8	PASS
		2462	-9.07	≤8	PASS
11G	Ant1	2412	-18.01	≤8	PASS
		2437	-18.8	≤8	PASS
		2462	-18.21	≤8	PASS
11N20	Ant1	2412	-18.2	≤8	PASS
		2437	-17.6	≤8	PASS
		2462	-17.78	≤8	PASS



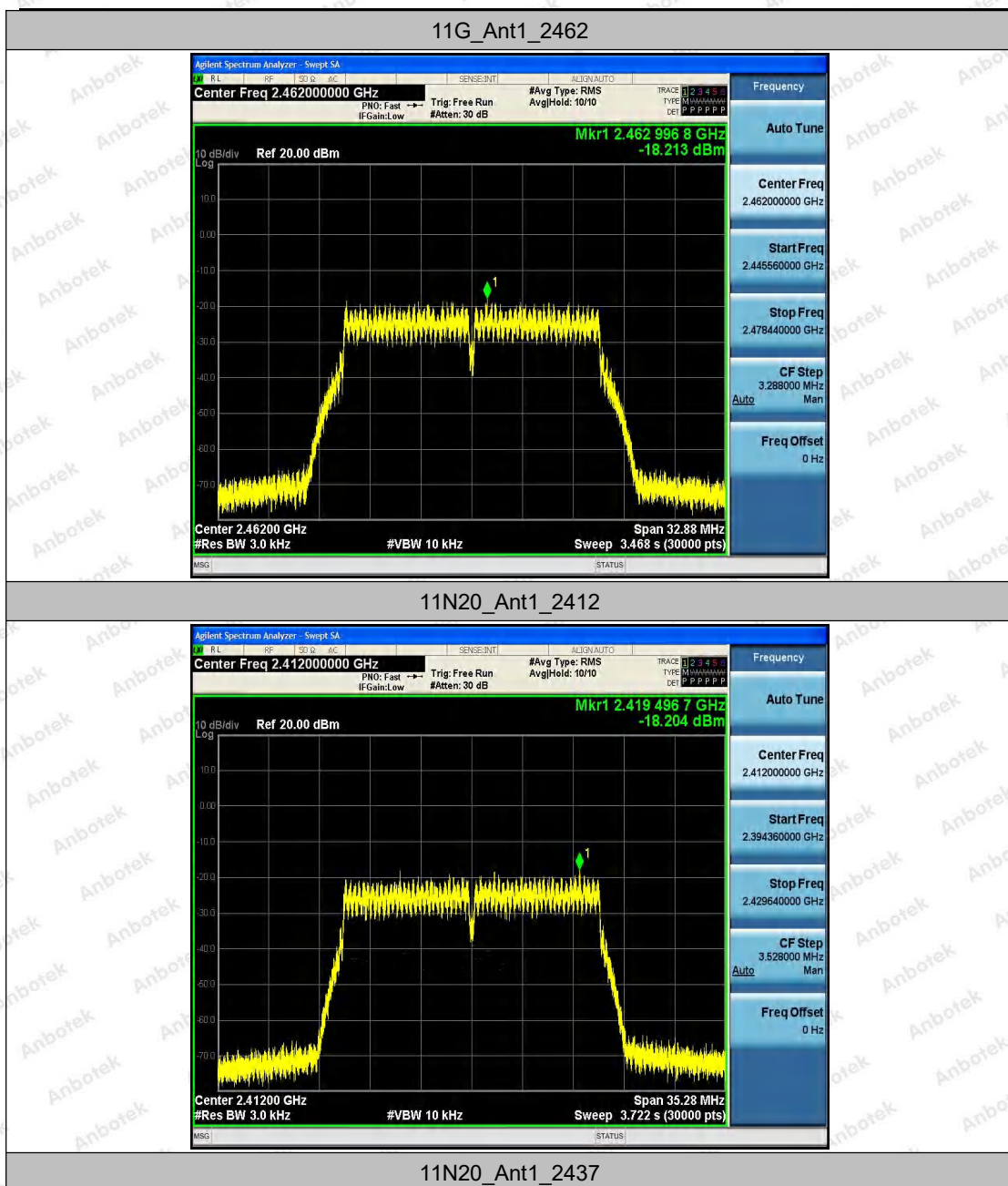


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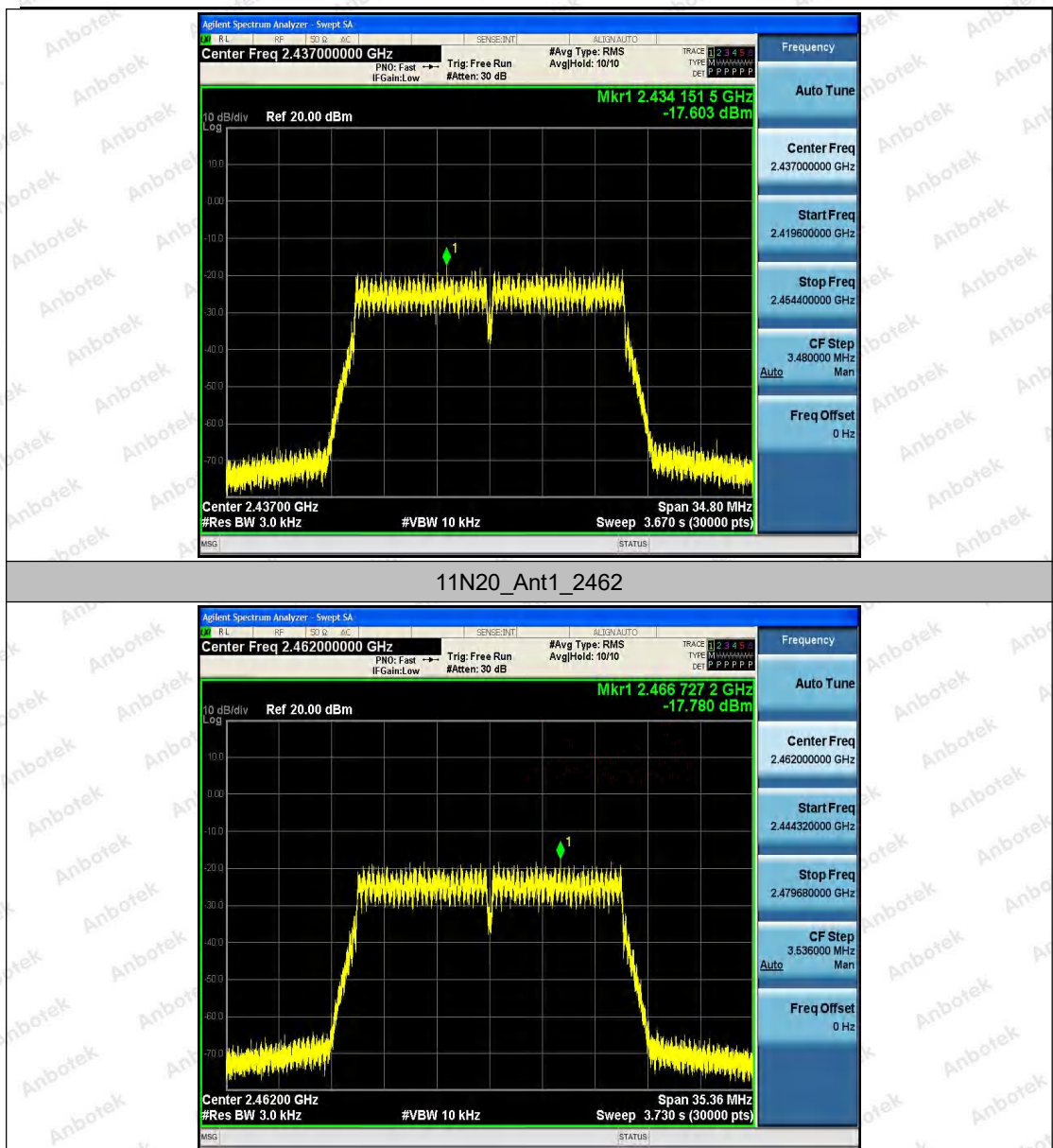


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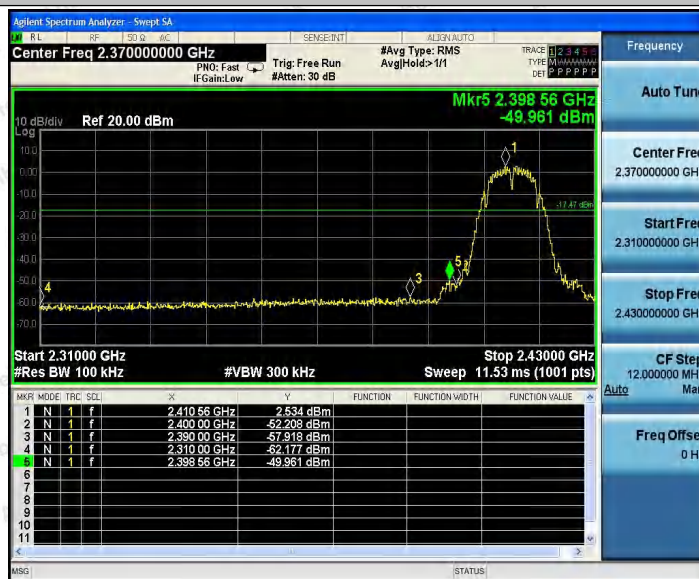
Appendix E: Band edge measurements

Test Result

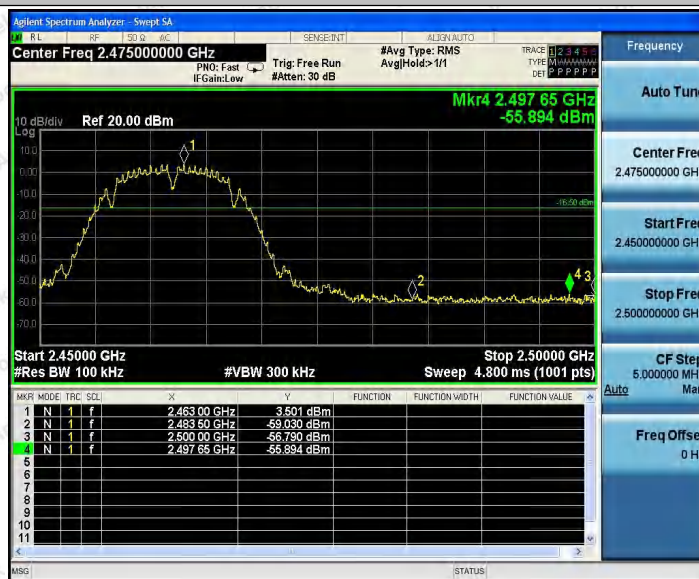
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.53	-49.96	≤ -17.47	PASS
		High	2462	3.50	-55.89	≤ -16.5	PASS
11G	Ant1	Low	2412	-4.77	-49.64	≤ -24.77	PASS
		High	2462	-4.58	-52.91	≤ -24.58	PASS
11N20	Ant1	Low	2412	-4.05	-46.97	≤ -24.05	PASS
		High	2462	-3.67	-54.45	≤ -23.67	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

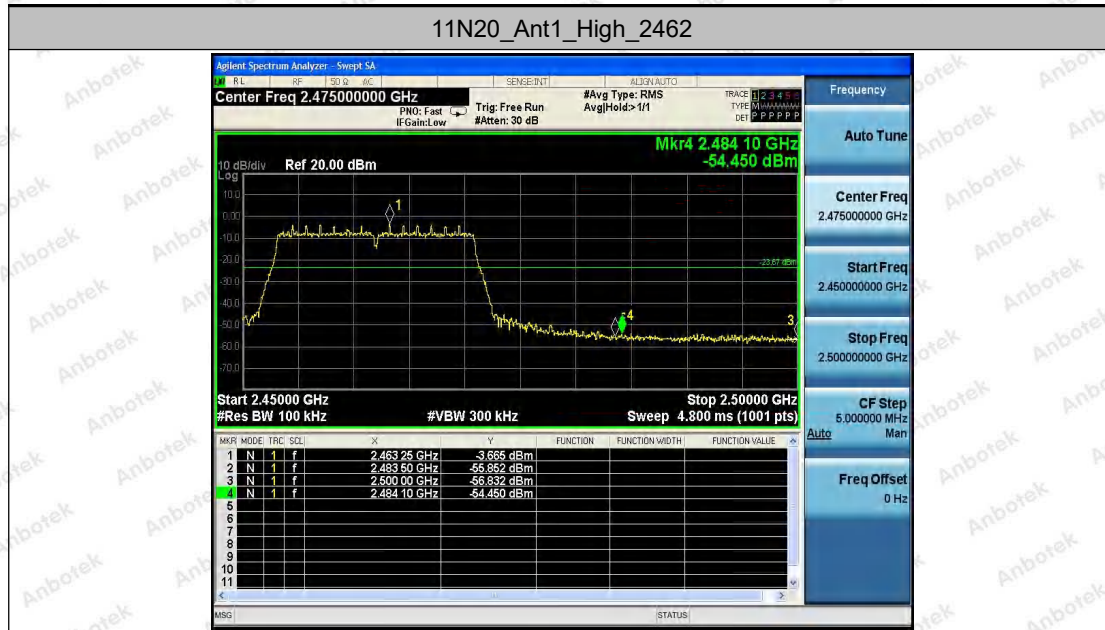


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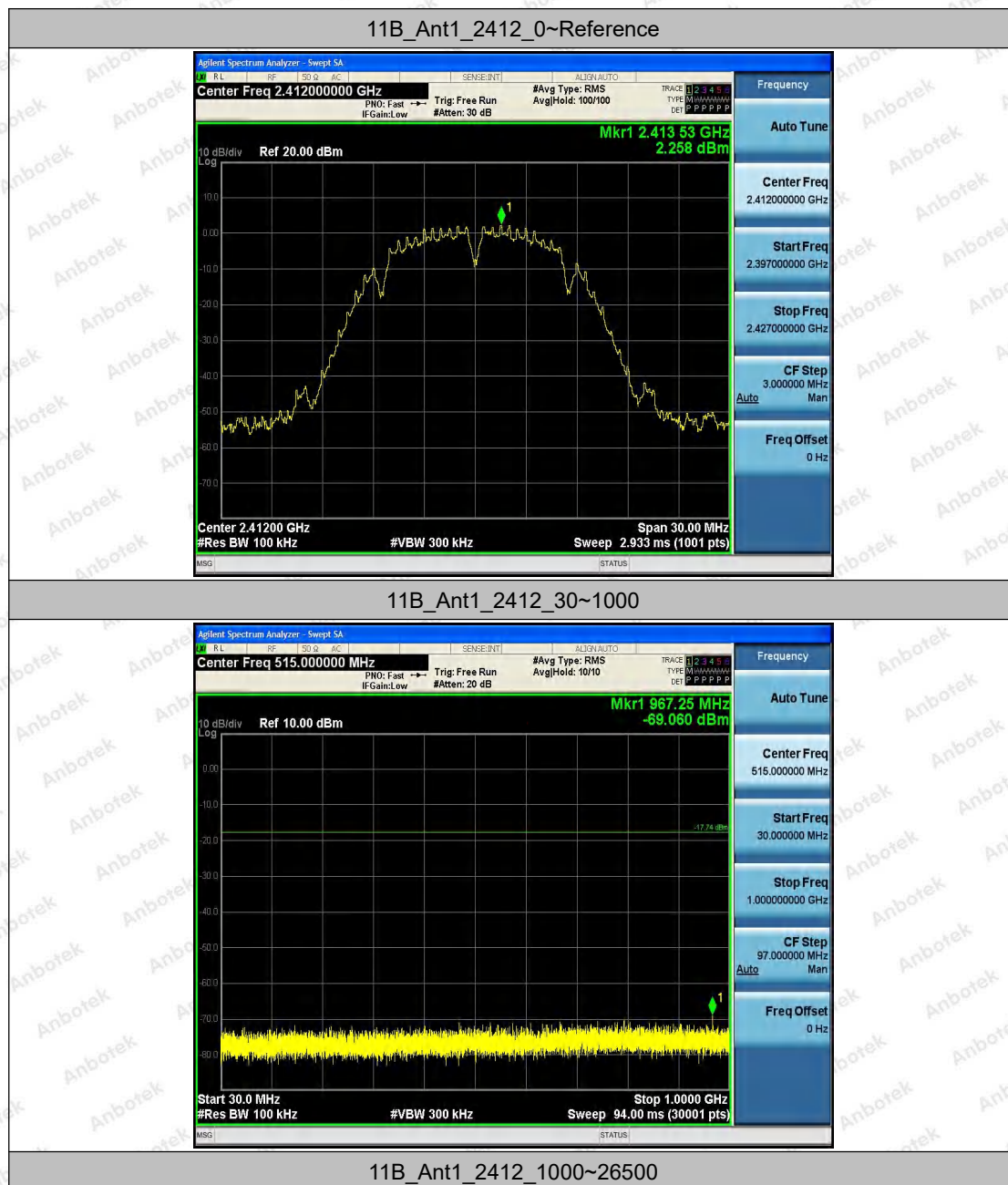
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-69.06	≤-17.74	PASS
			1000~26500	2.26	-55.01	≤-17.74	PASS
		2437	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-70.13	≤-17.15	PASS
			1000~26500	2.85	-55.56	≤-17.15	PASS
		2462	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-70.49	≤-16.5	PASS
			1000~26500	3.50	-55.57	≤-16.5	PASS
11G	Ant1	2412	Reference	-4.08	-4.08	---	PASS
			30~1000	-4.08	-69.67	≤-24.08	PASS
			1000~26500	-4.08	-55.85	≤-24.08	PASS
		2437	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-70.08	≤-25.73	PASS
			1000~26500	-5.73	-54.72	≤-25.73	PASS
		2462	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-70.69	≤-24.77	PASS
			1000~26500	-4.77	-55.85	≤-24.77	PASS
11N20	Ant1	2412	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-69.27	≤-24.38	PASS
			1000~26500	-4.38	-55.25	≤-24.38	PASS
		2437	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-70.12	≤-24.51	PASS
			1000~26500	-4.51	-55.75	≤-24.51	PASS
		2462	Reference	-4.20	-4.20	---	PASS
			30~1000	-4.20	-70.24	≤-24.2	PASS
			1000~26500	-4.20	-55.31	≤-24.2	PASS

Test Graphs

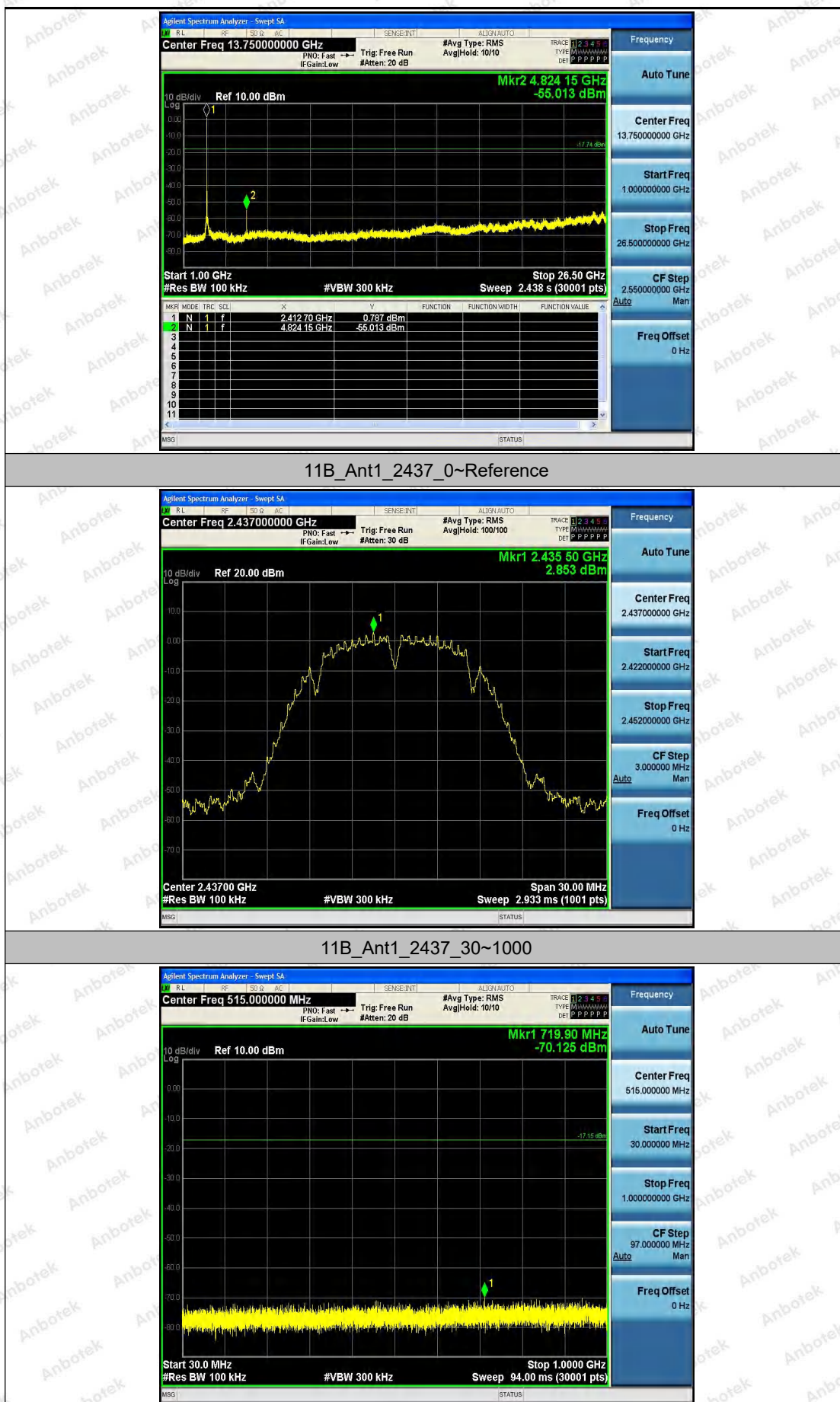


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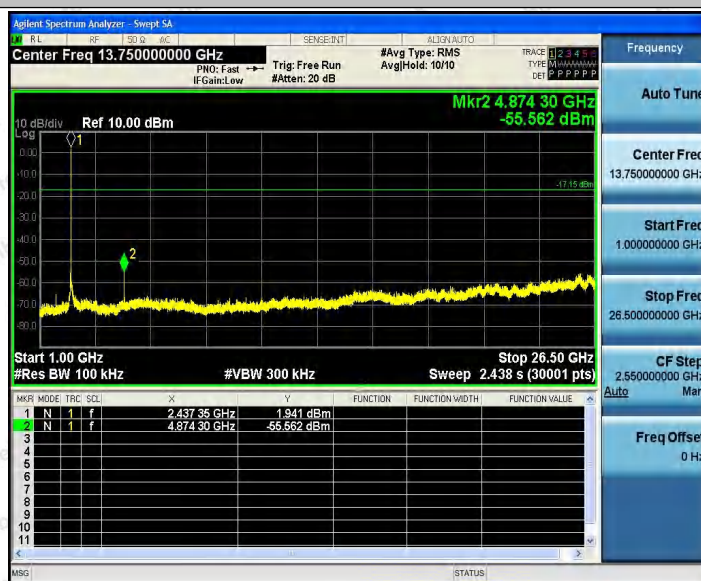
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



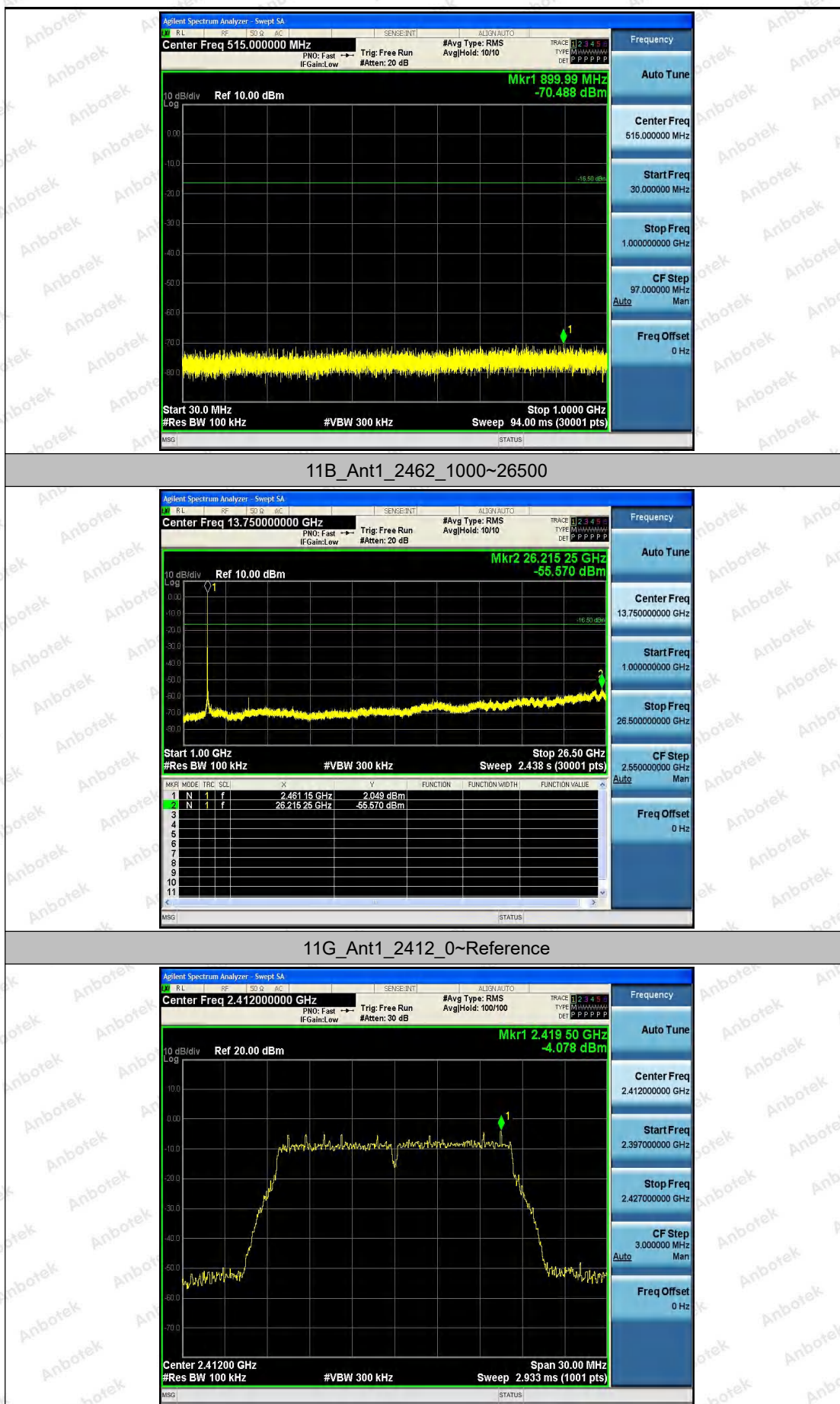
11B_Ant1_2462_30~1000

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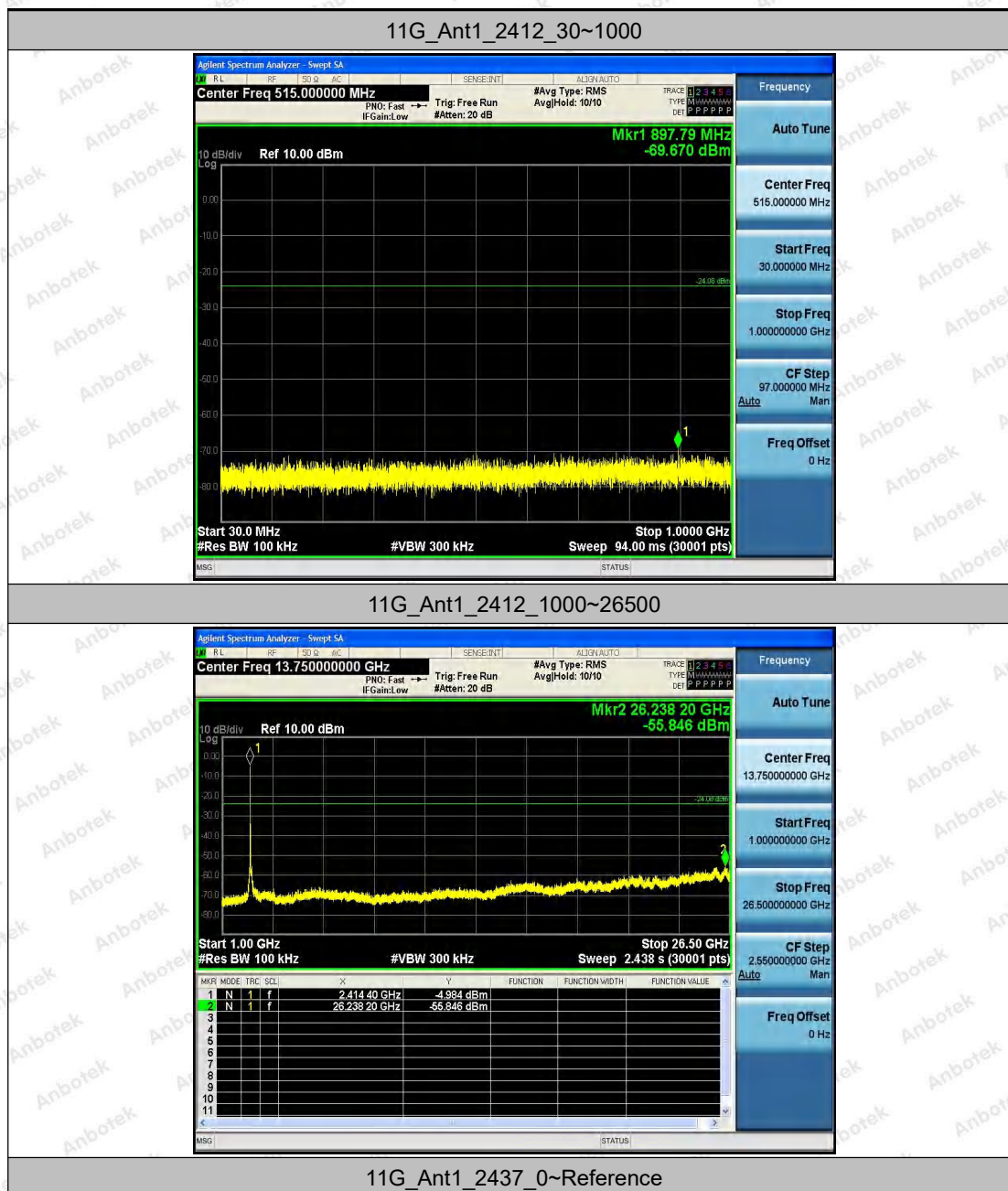


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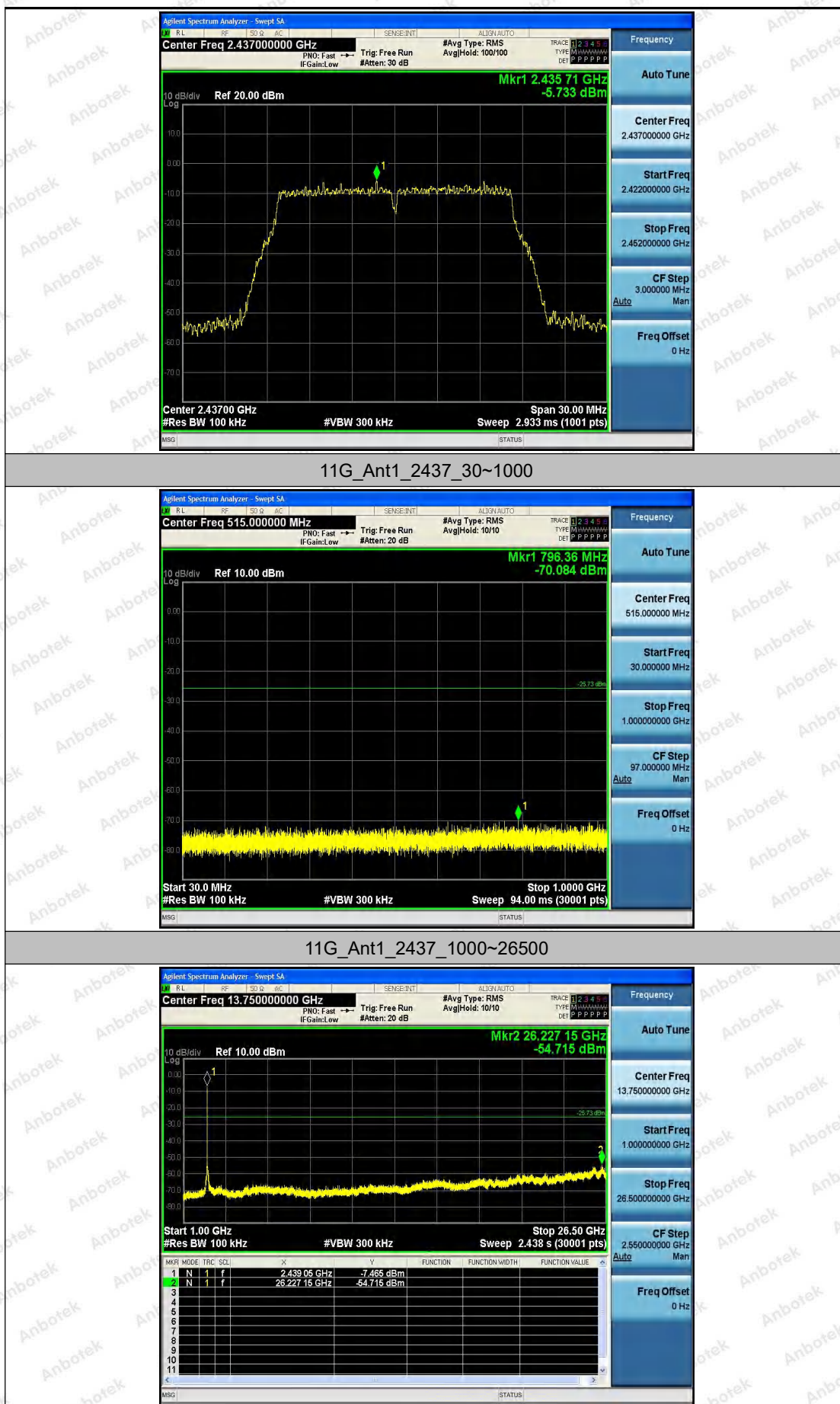


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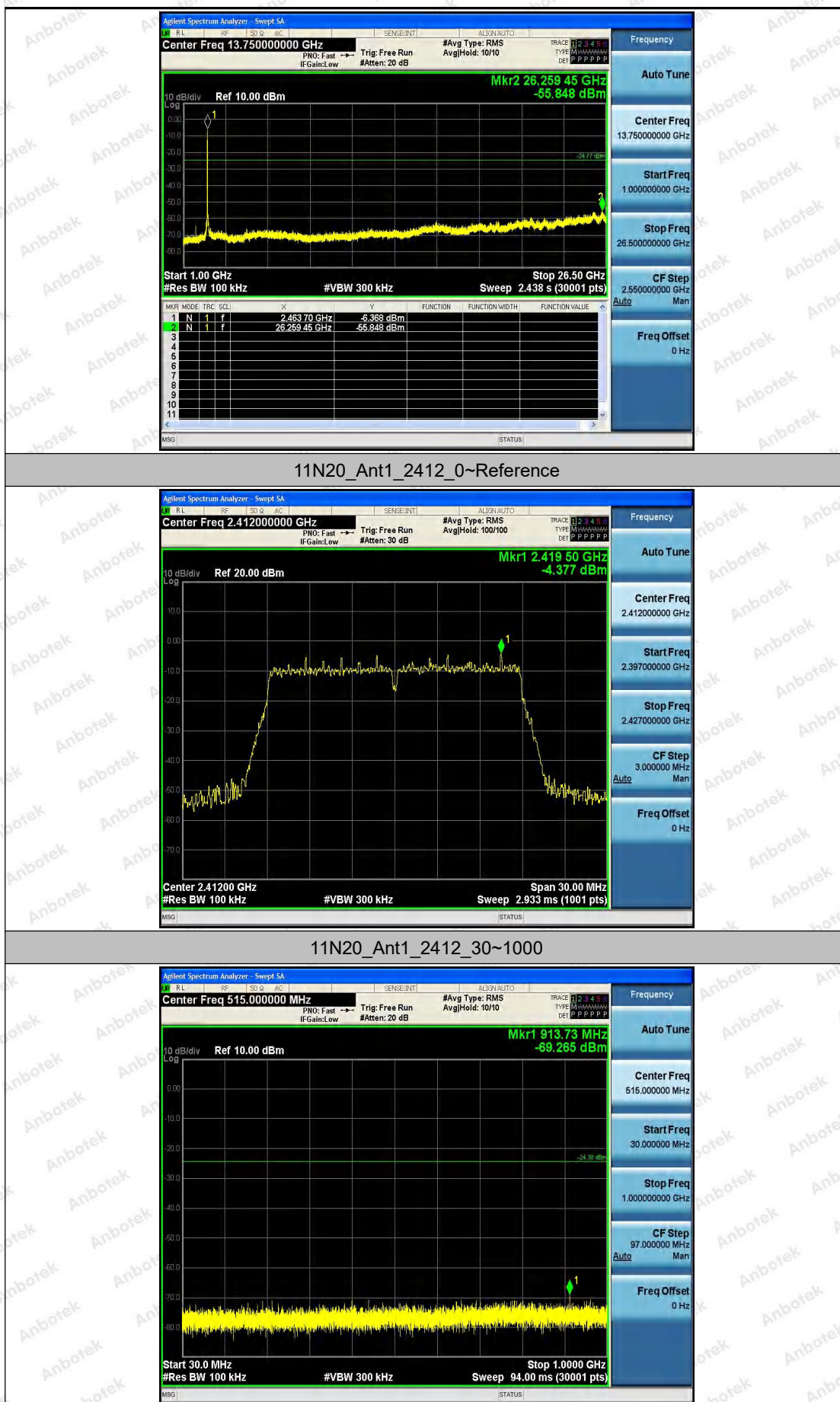
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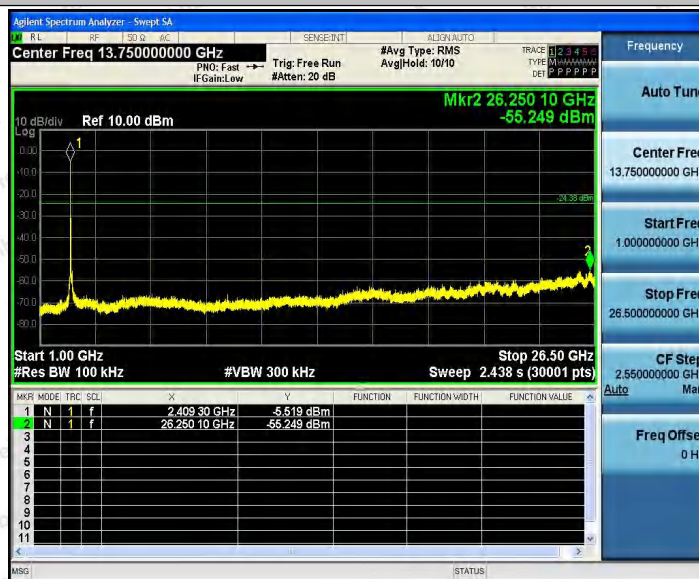
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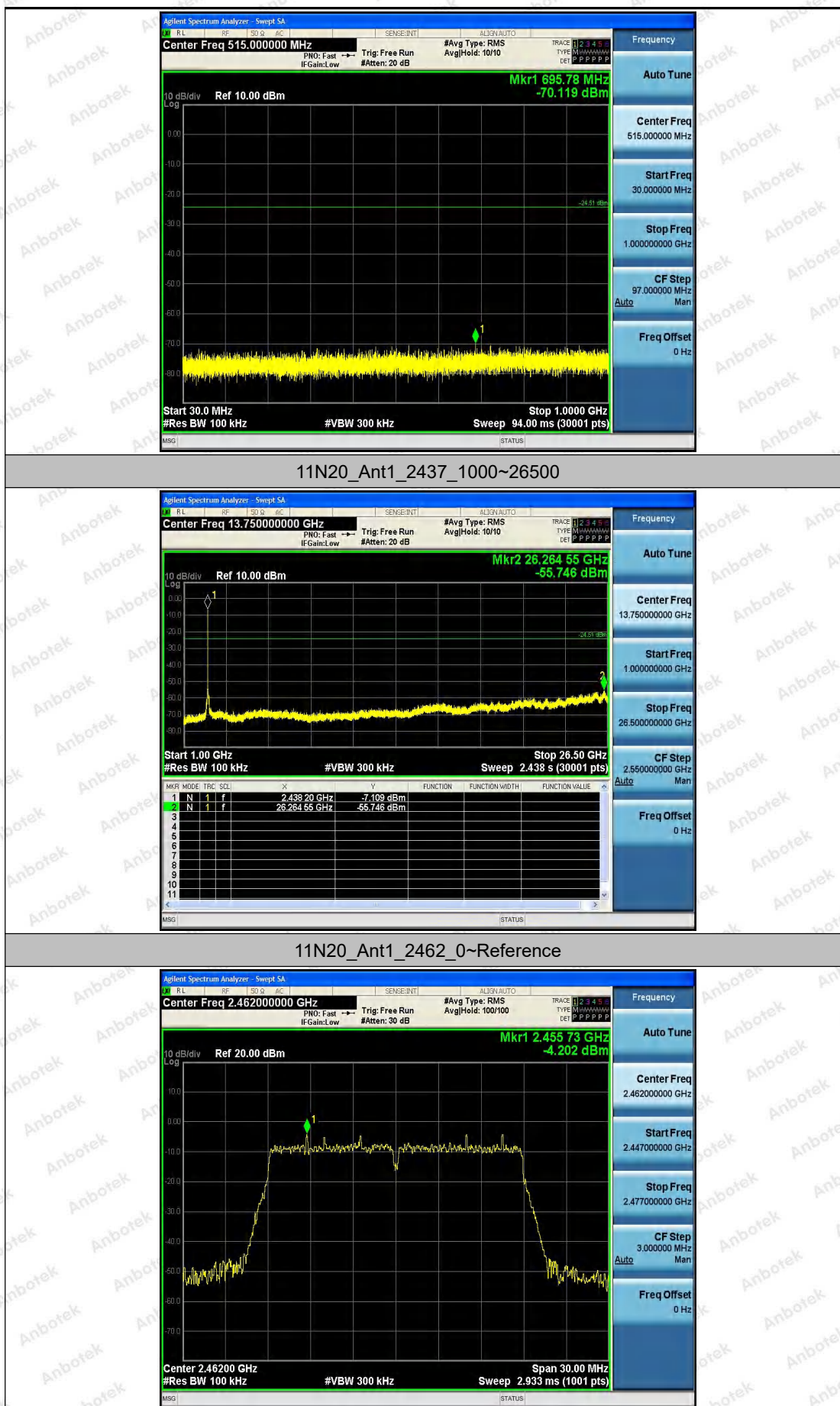
11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

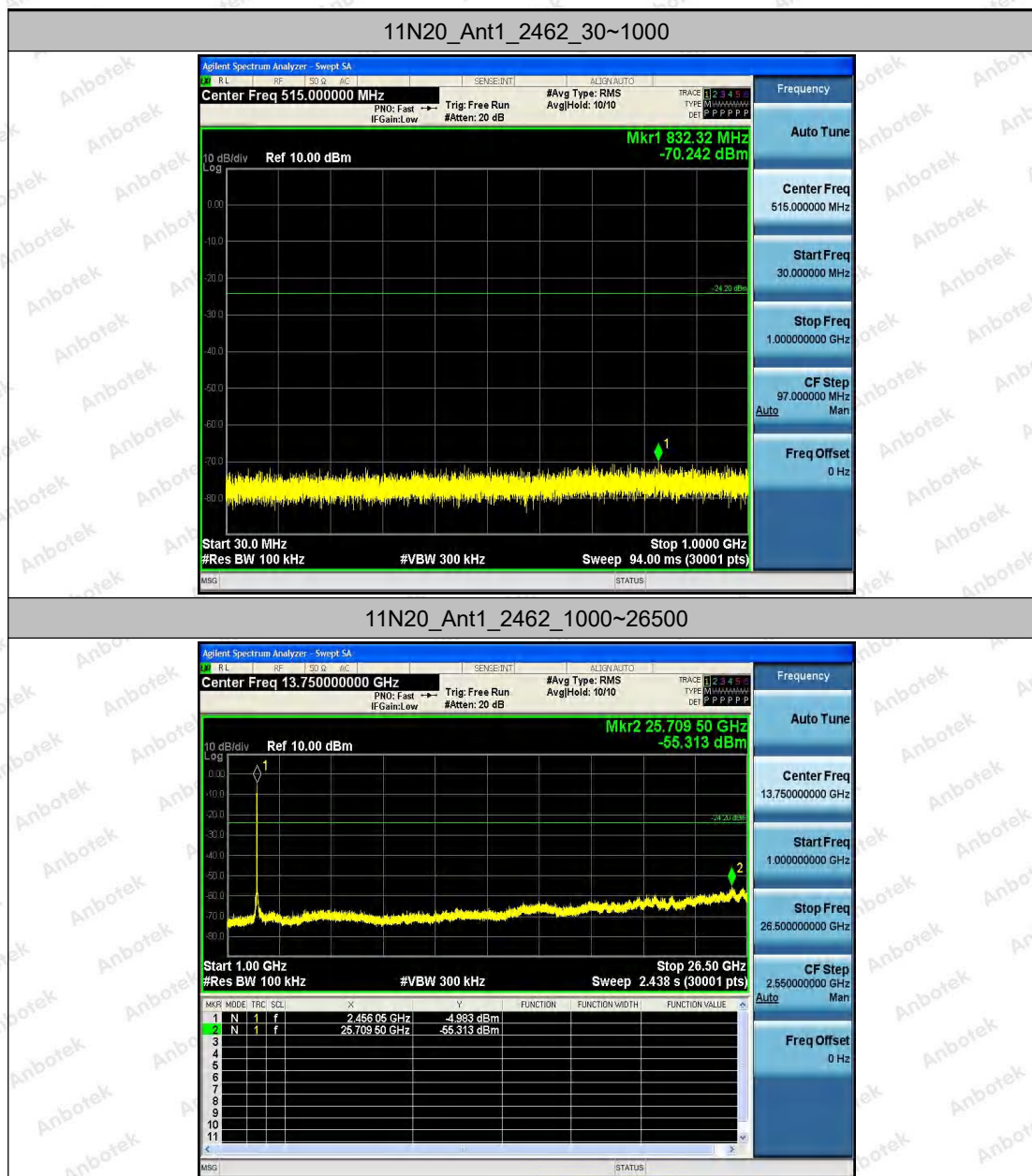


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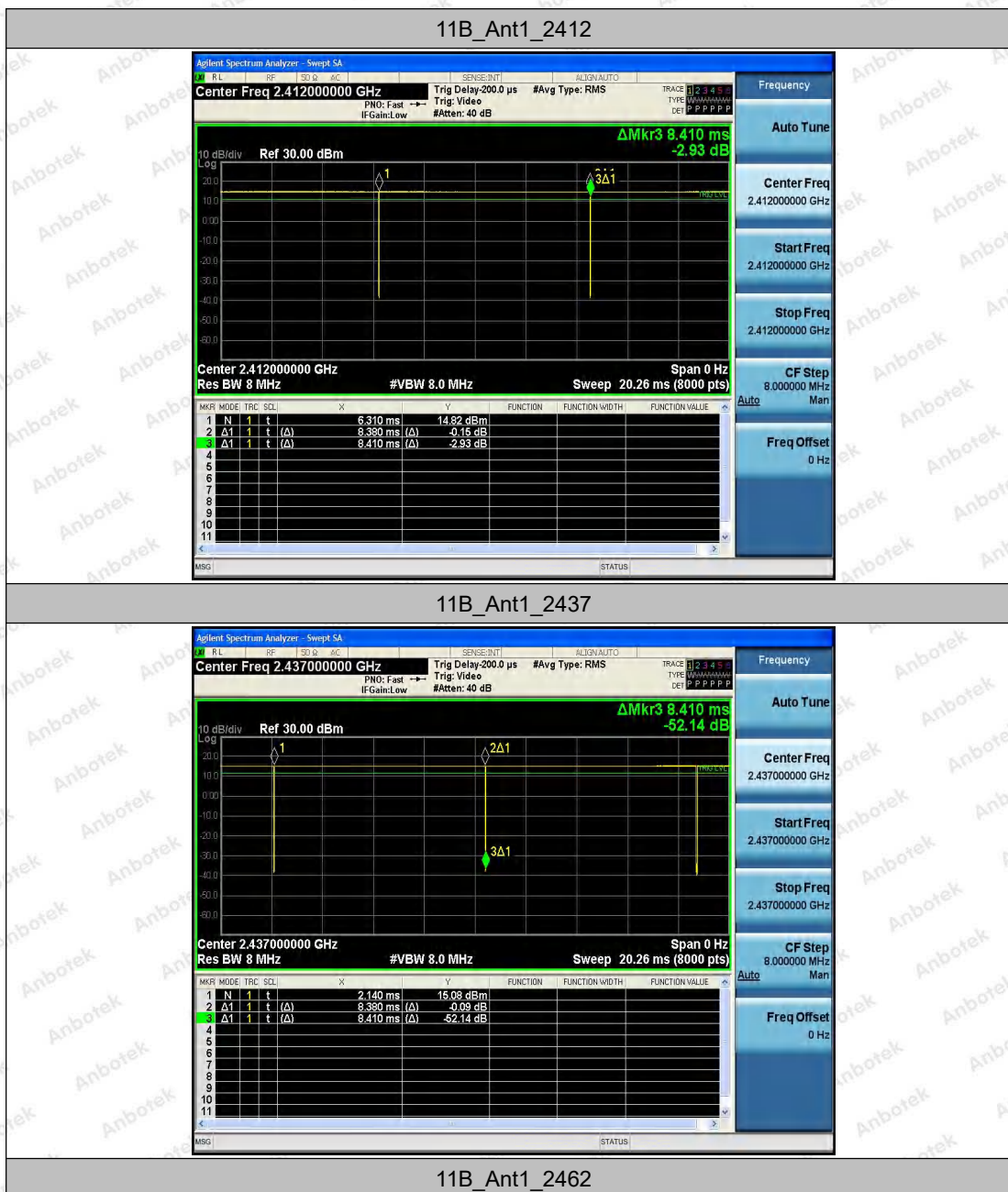
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Appendix G: Duty Cycle

Test Result

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	8.39	8.42	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.42	97.89	---	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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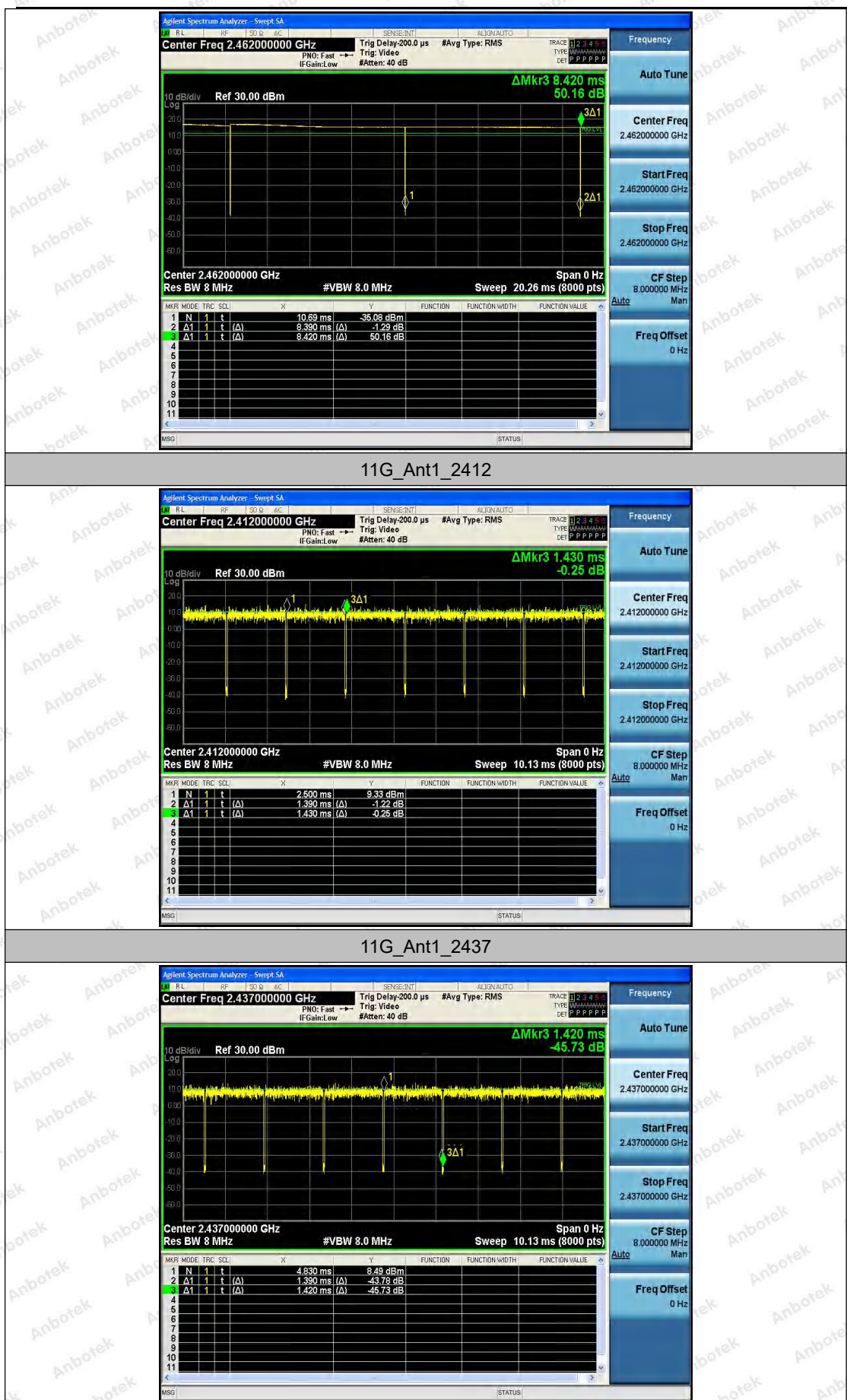
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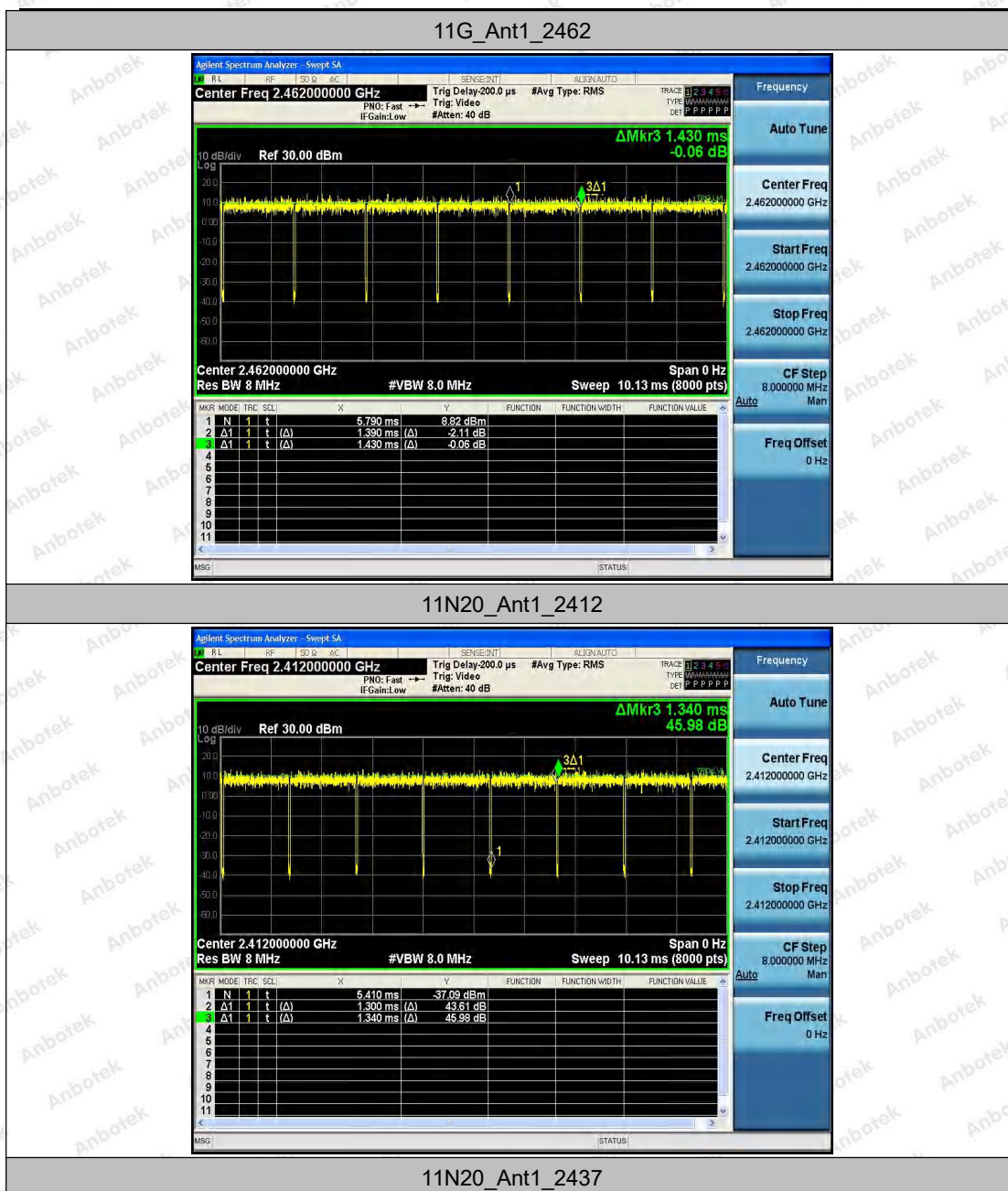


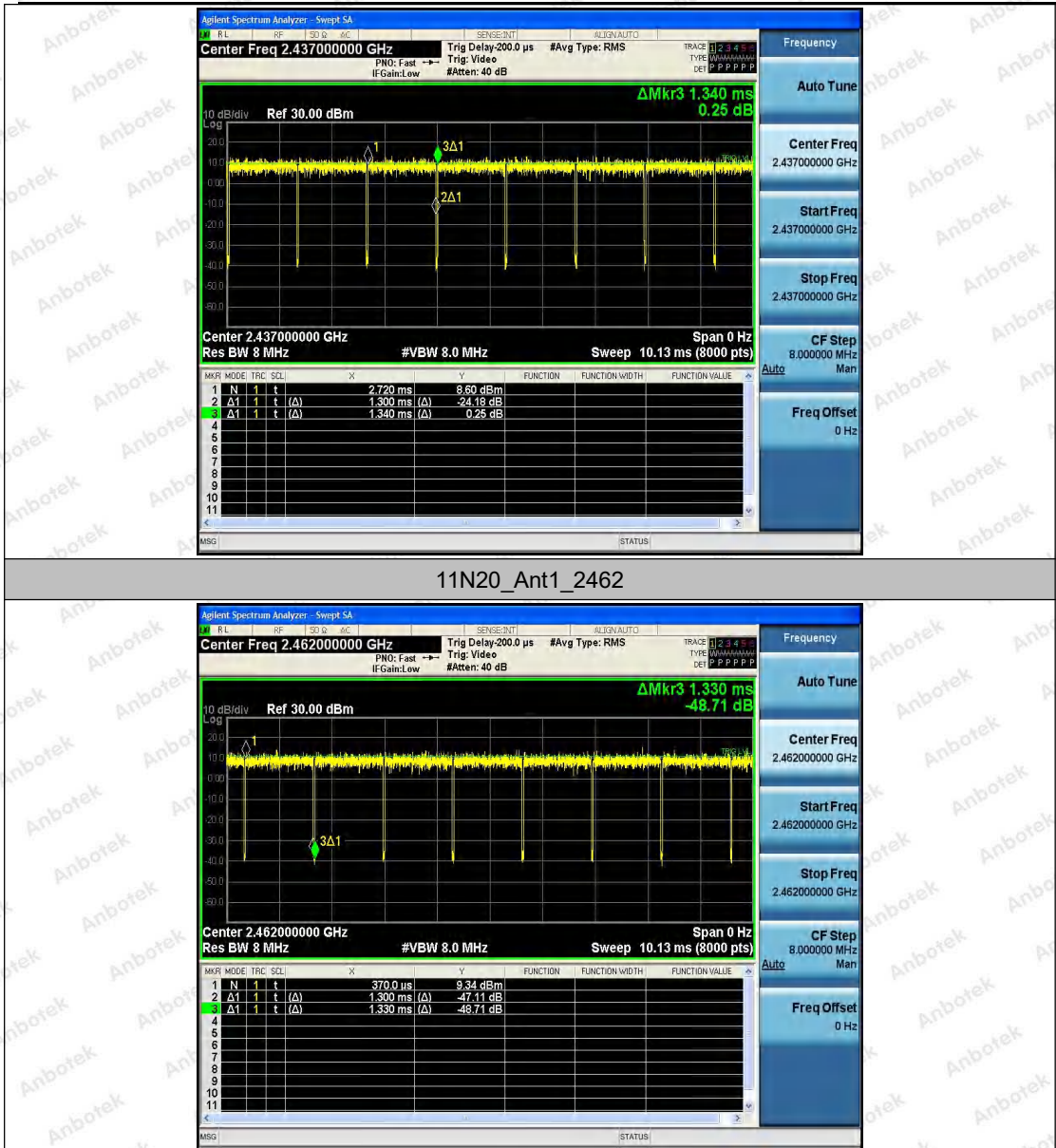
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