

Appendix Test Data

Report No.:	18220WC20167702	Test Sample No.:	1-2-2
Start Test Date:	2022.7.26	Finish Test Date:	2022.8.1
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	26.3℃	Relative Humidity:	46 %
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	9.600	2407.480	2417.080	≥0.5	PASS
		2437	9.160	2432.440	2441.600	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.440	2428.800	2445.240	≥0.5	PASS
		2462	16.480	2453.760	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS
11N40	Ant1	2422	35.880	2404.060	2439.940	≥0.5	PASS
		2437	35.940	2419.060	2455.000	≥0.5	PASS
		2452	35.760	2434.060	2469.820	≥0.5	PASS

Test Graphs

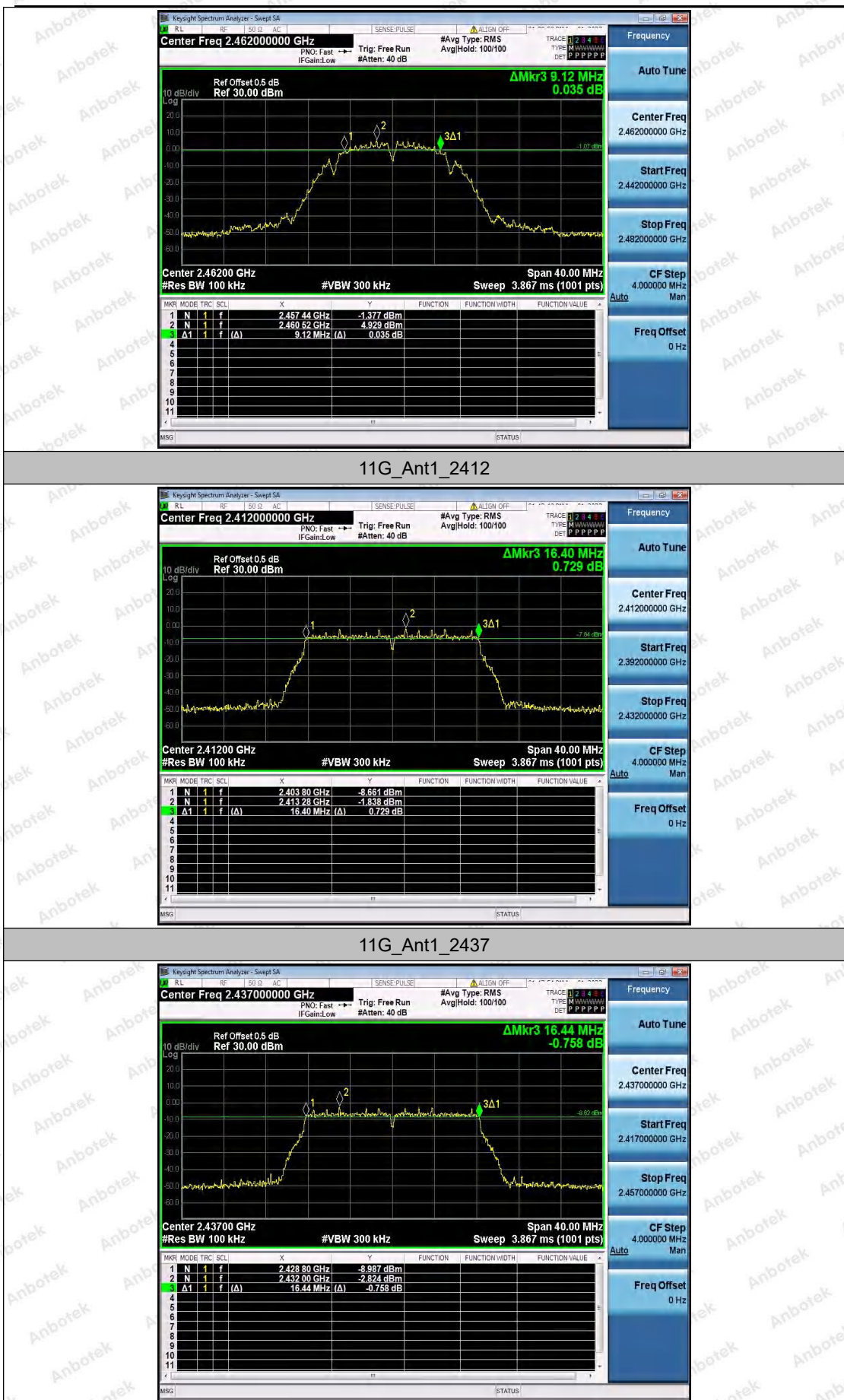
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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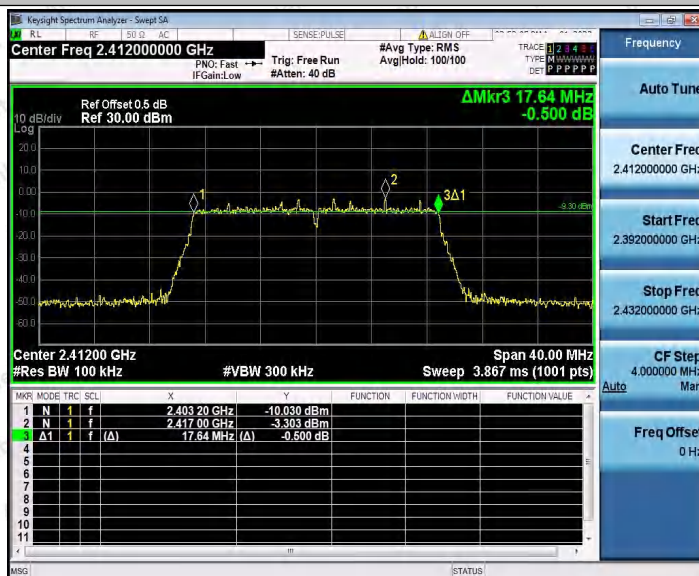
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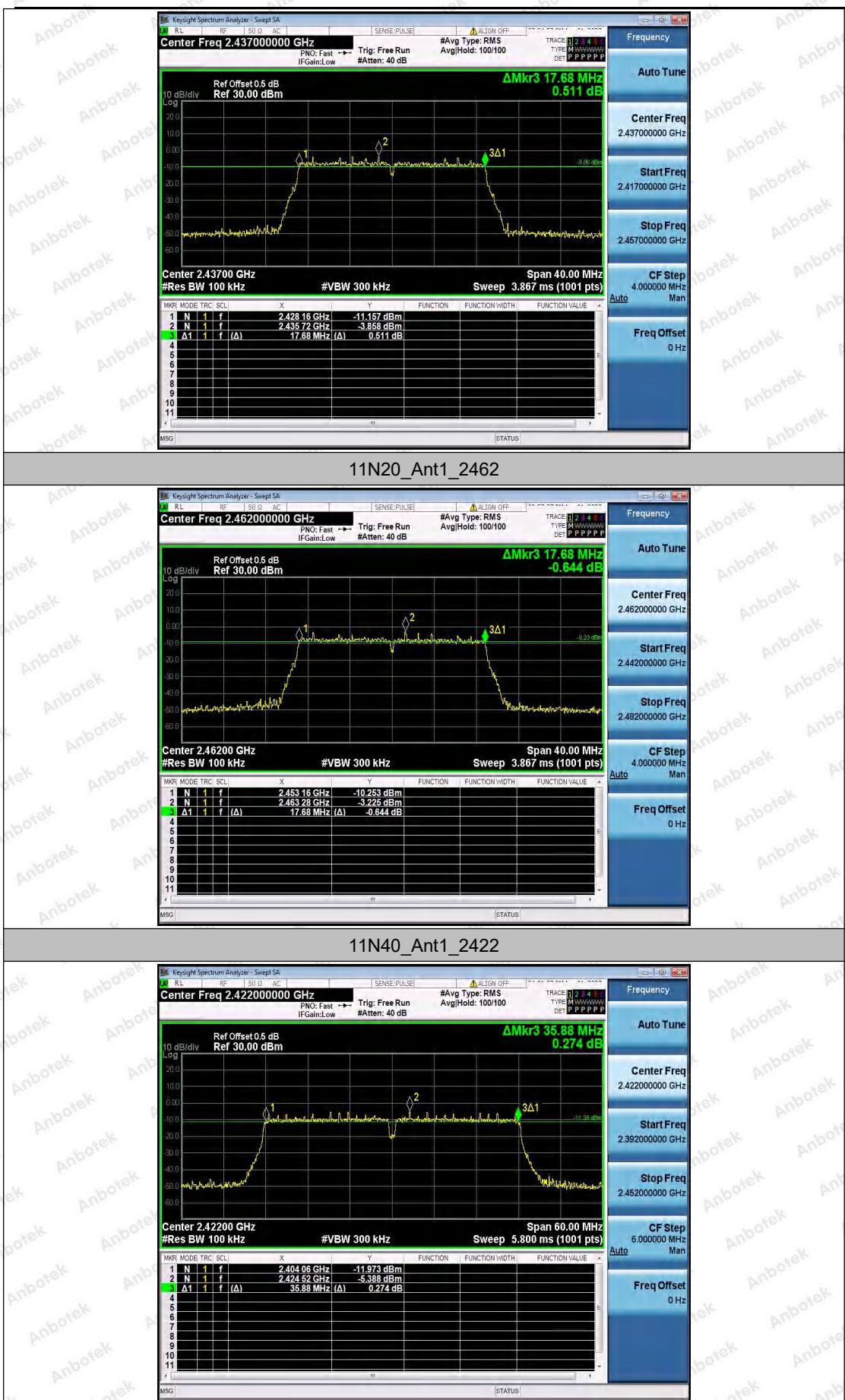
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

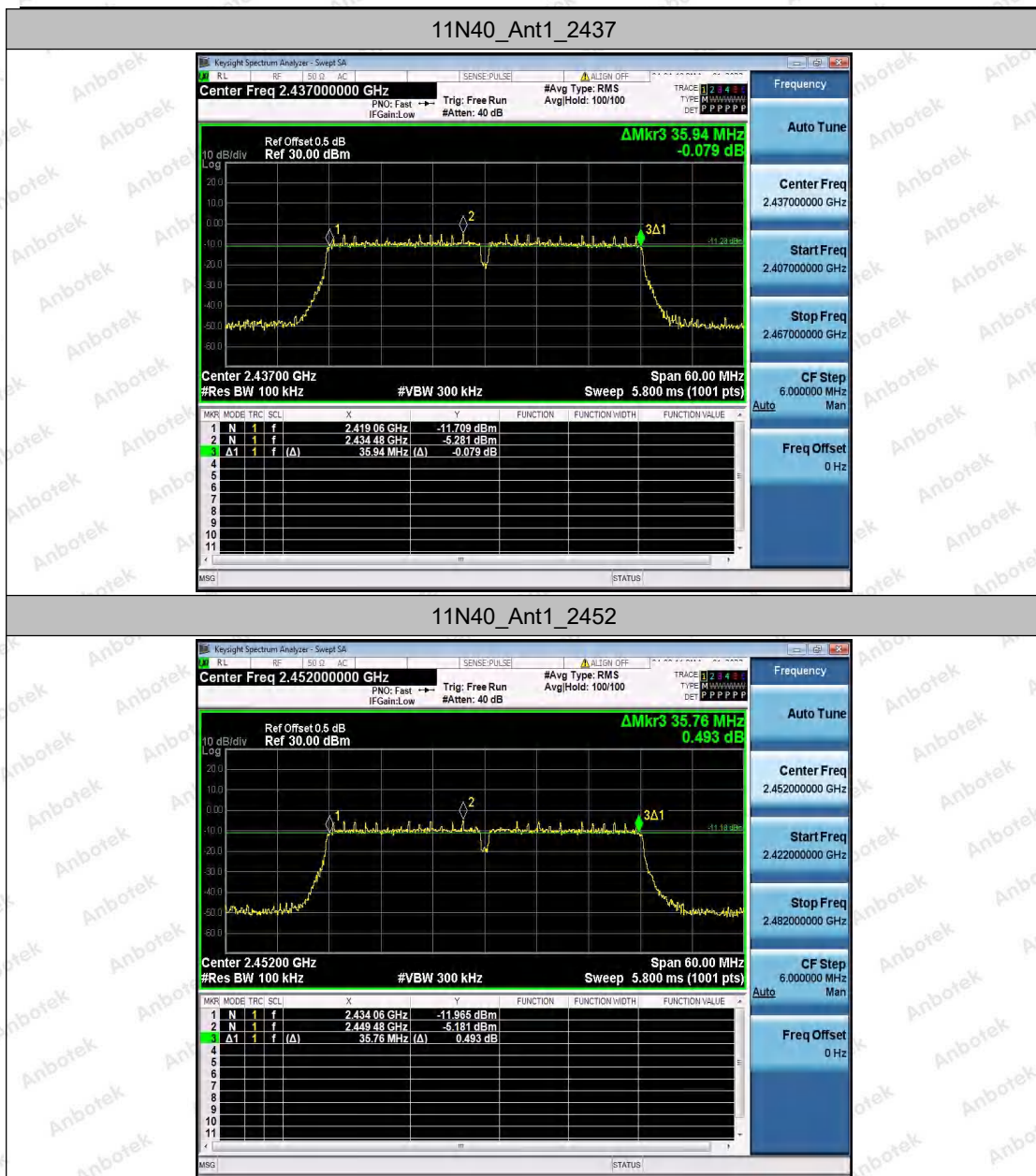


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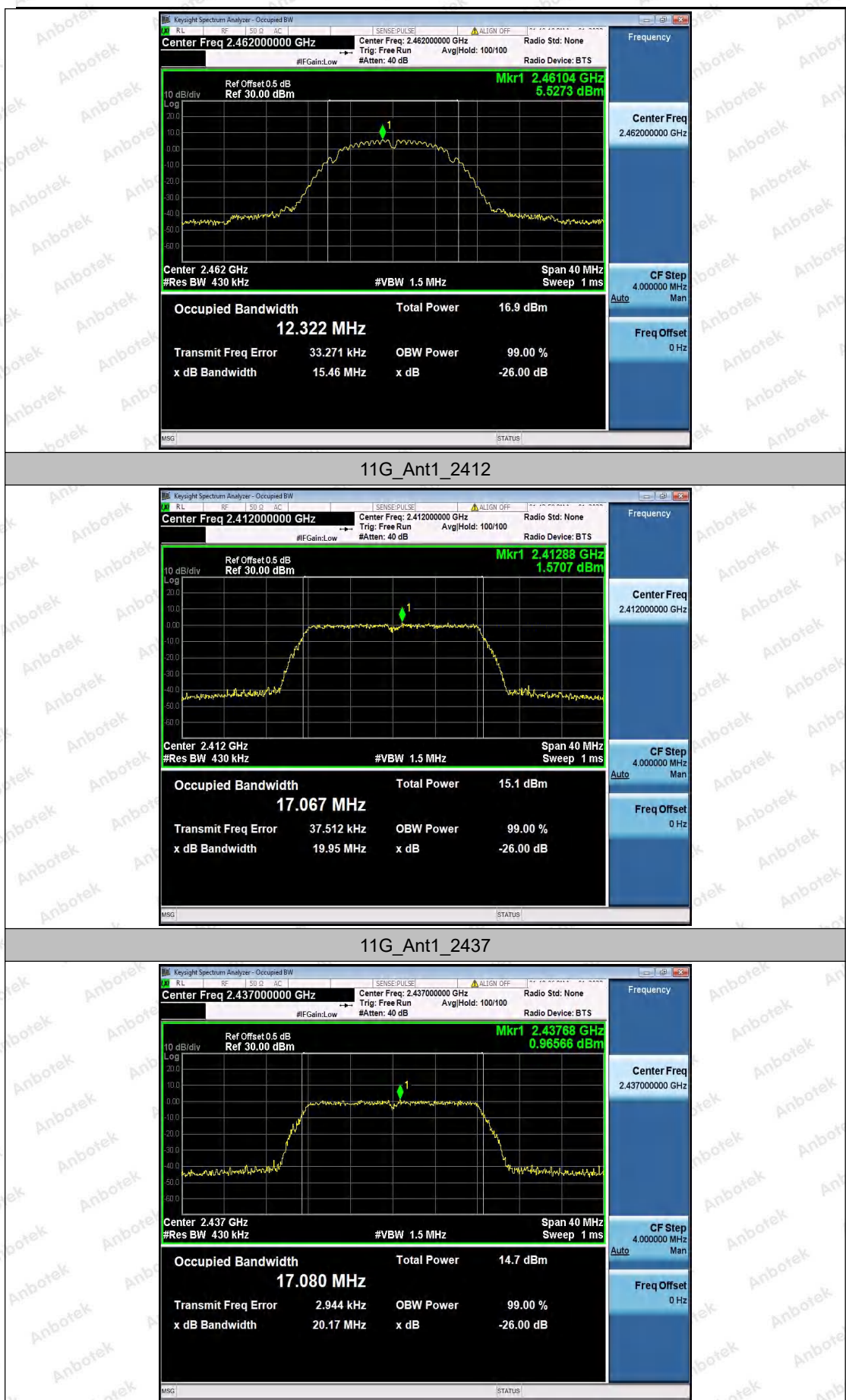
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.289	2405.908	2418.197	---	PASS
		2437	12.305	2430.885	2443.190	---	PASS
		2462	12.322	2455.872	2468.194	---	PASS
11G	Ant1	2412	17.067	2403.504	2420.571	---	PASS
		2437	17.080	2428.463	2445.543	---	PASS
		2462	17.077	2453.470	2470.547	---	PASS
11N20	Ant1	2412	17.969	2403.068	2421.037	---	PASS
		2437	17.919	2428.050	2445.969	---	PASS
		2462	18.005	2452.968	2470.973	---	PASS
11N40	Ant1	2422	36.197	2403.936	2440.133	---	PASS
		2437	36.172	2418.968	2455.140	---	PASS
		2452	36.198	2433.938	2470.136	---	PASS

Test Graphs





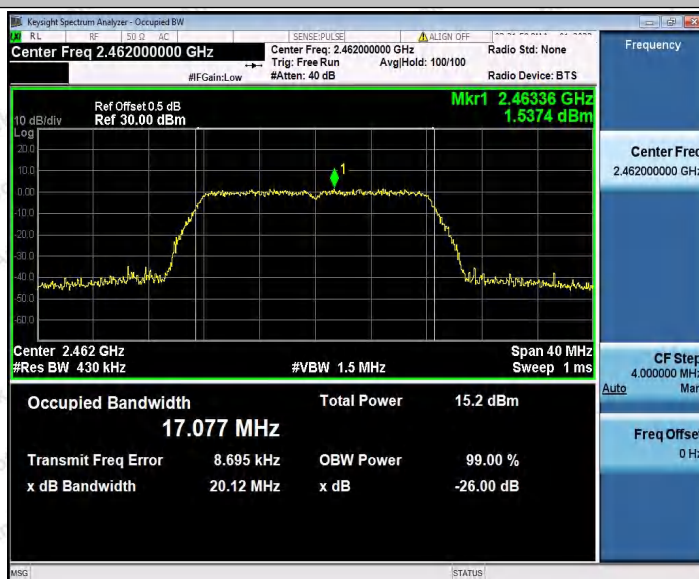
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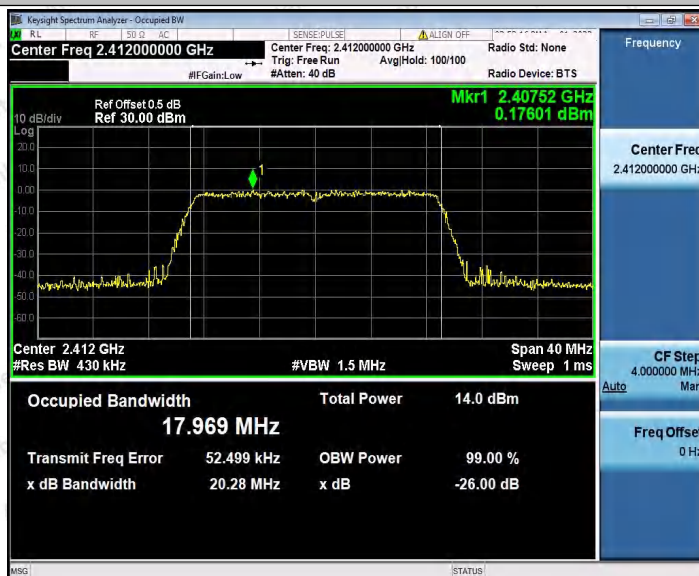
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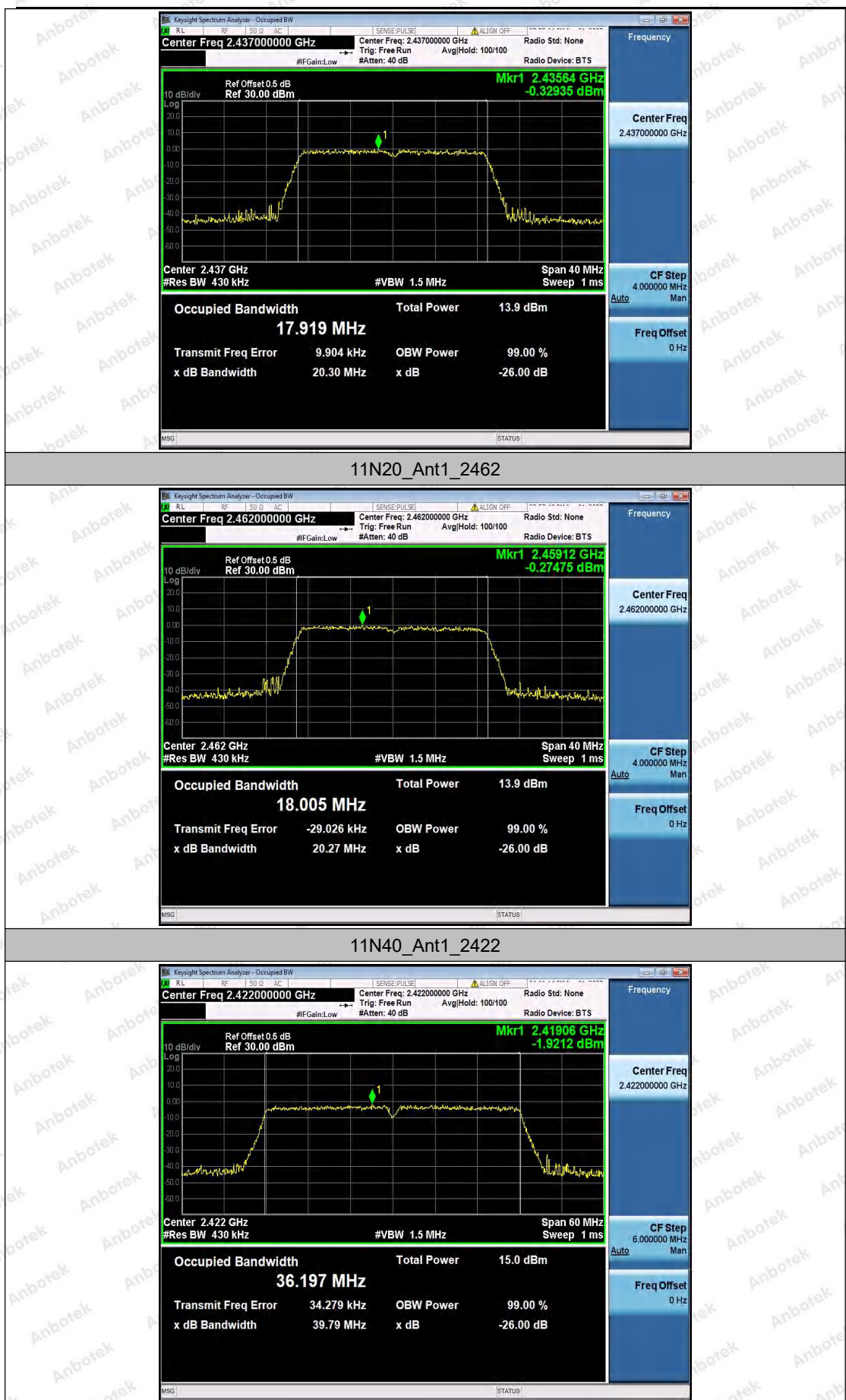
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

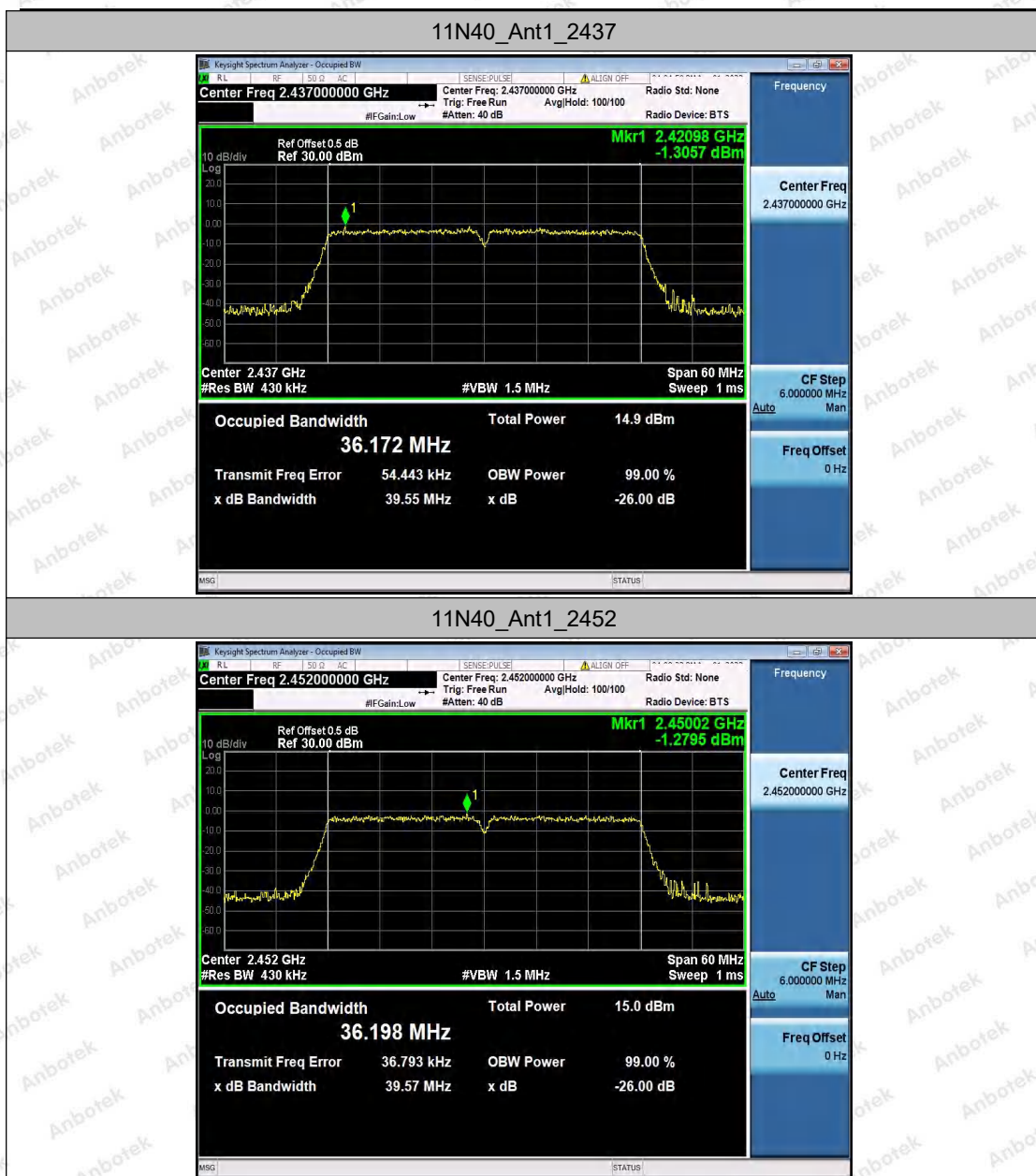


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Appendix C: Maximum conducted output power

Test Result

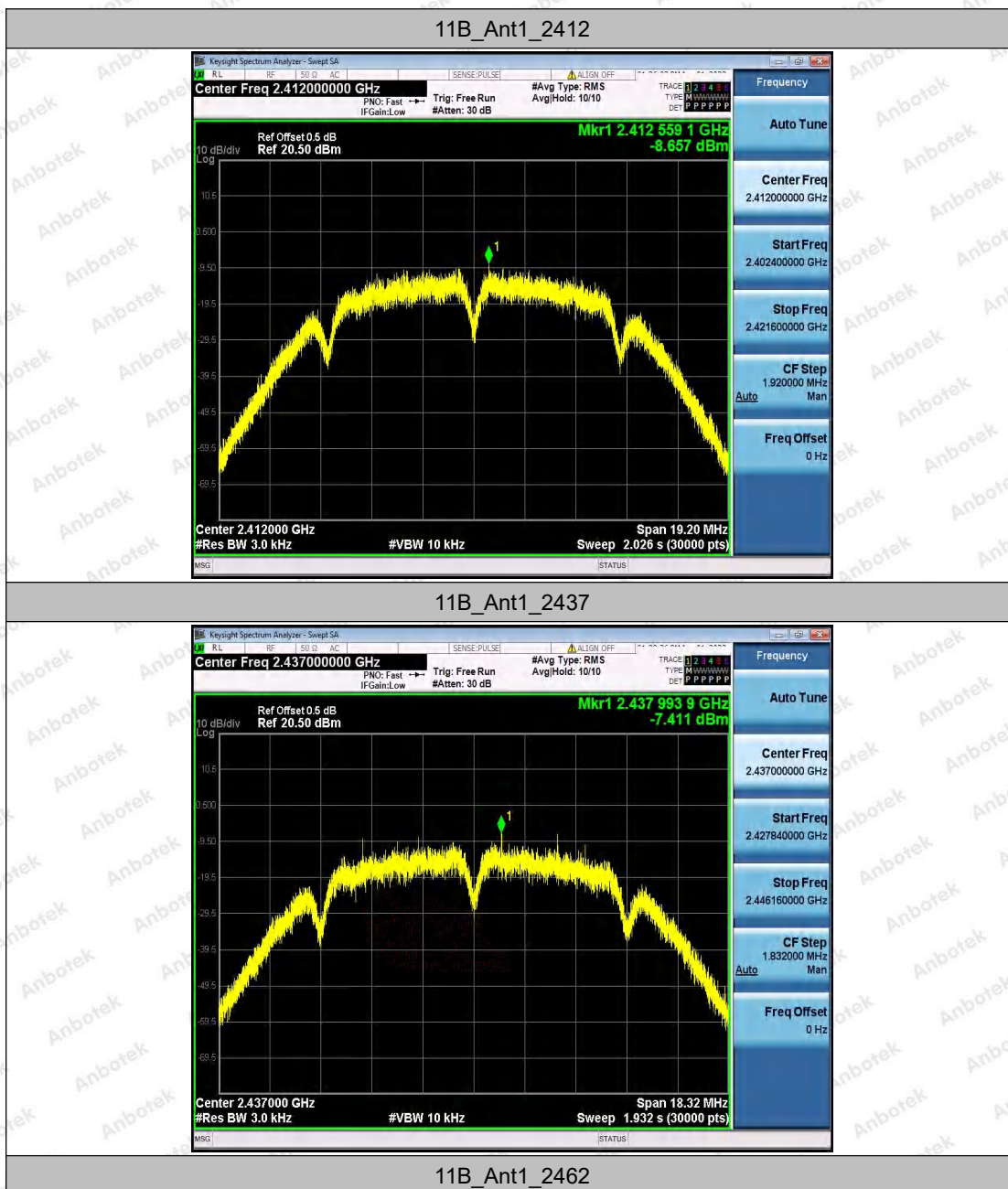
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.75	≤30	PASS
		2437	16.61	≤30	PASS
		2462	16.92	≤30	PASS
11G	Ant1	2412	16.30	≤30	PASS
		2437	15.82	≤30	PASS
		2462	16.28	≤30	PASS
11N20	Ant1	2412	15.15	≤30	PASS
		2437	15.08	≤30	PASS
		2462	15.08	≤30	PASS
11N40	Ant1	2422	13.46	≤30	PASS
		2437	13.64	≤30	PASS
		2452	13.66	≤30	PASS

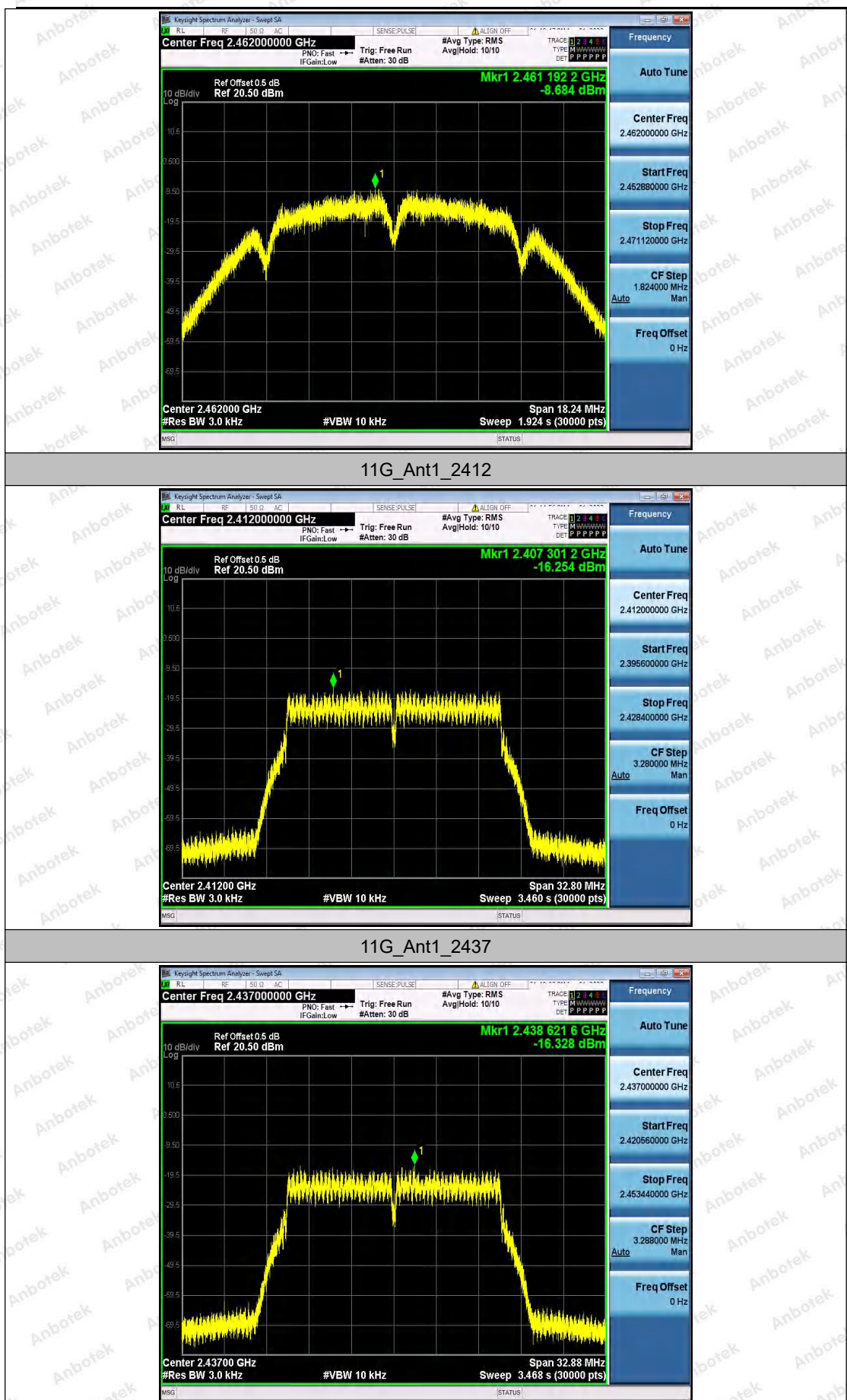
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.66	≤8	PASS
		2437	-7.41	≤8	PASS
		2462	-8.68	≤8	PASS
11G	Ant1	2412	-16.25	≤8	PASS
		2437	-16.33	≤8	PASS
		2462	-15.6	≤8	PASS
11N20	Ant1	2412	-17.06	≤8	PASS
		2437	-17.38	≤8	PASS
		2462	-17.43	≤8	PASS
11N40	Ant1	2422	-19.08	≤8	PASS
		2437	-19.53	≤8	PASS
		2452	-19.85	≤8	PASS

Test Graphs

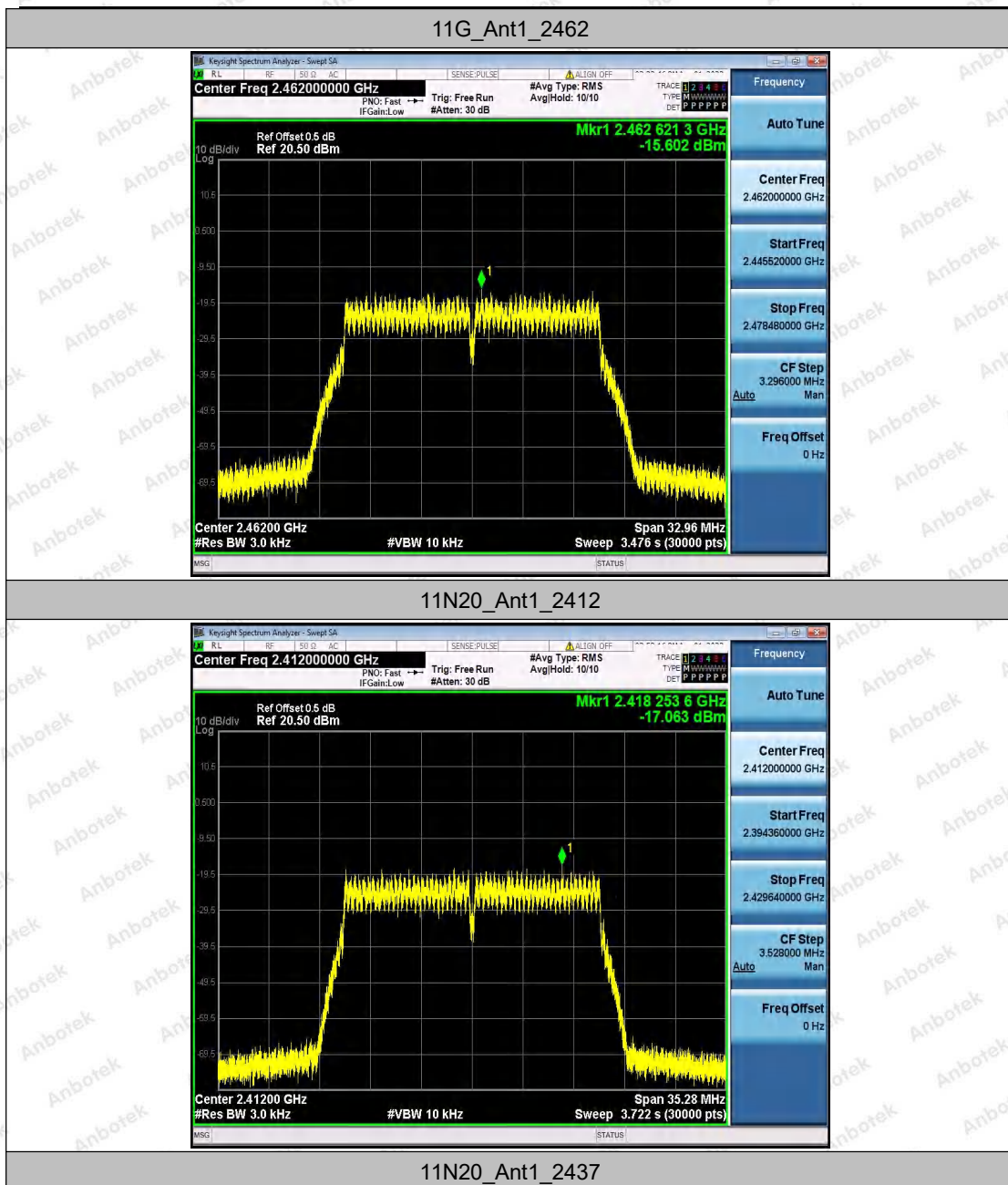


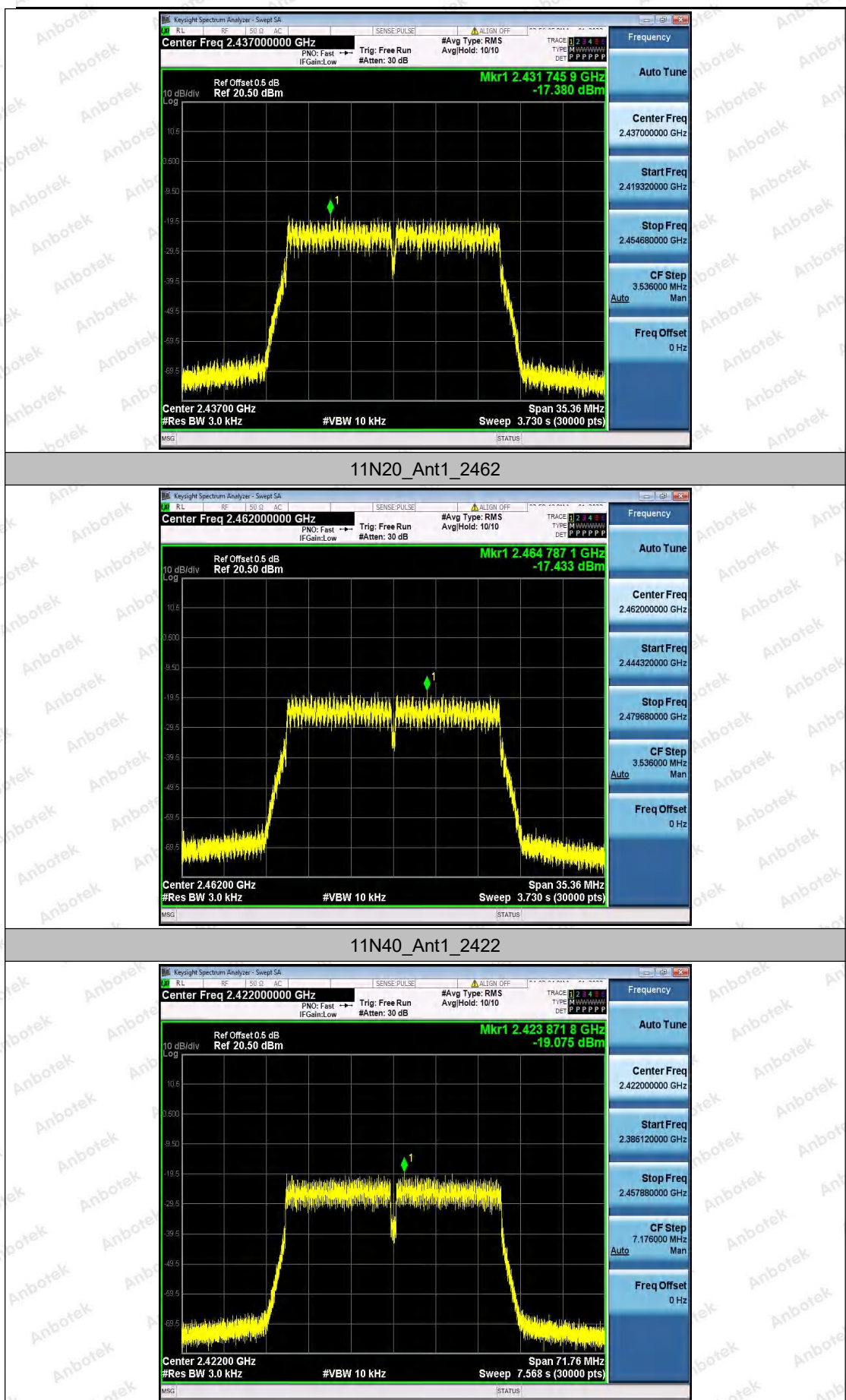


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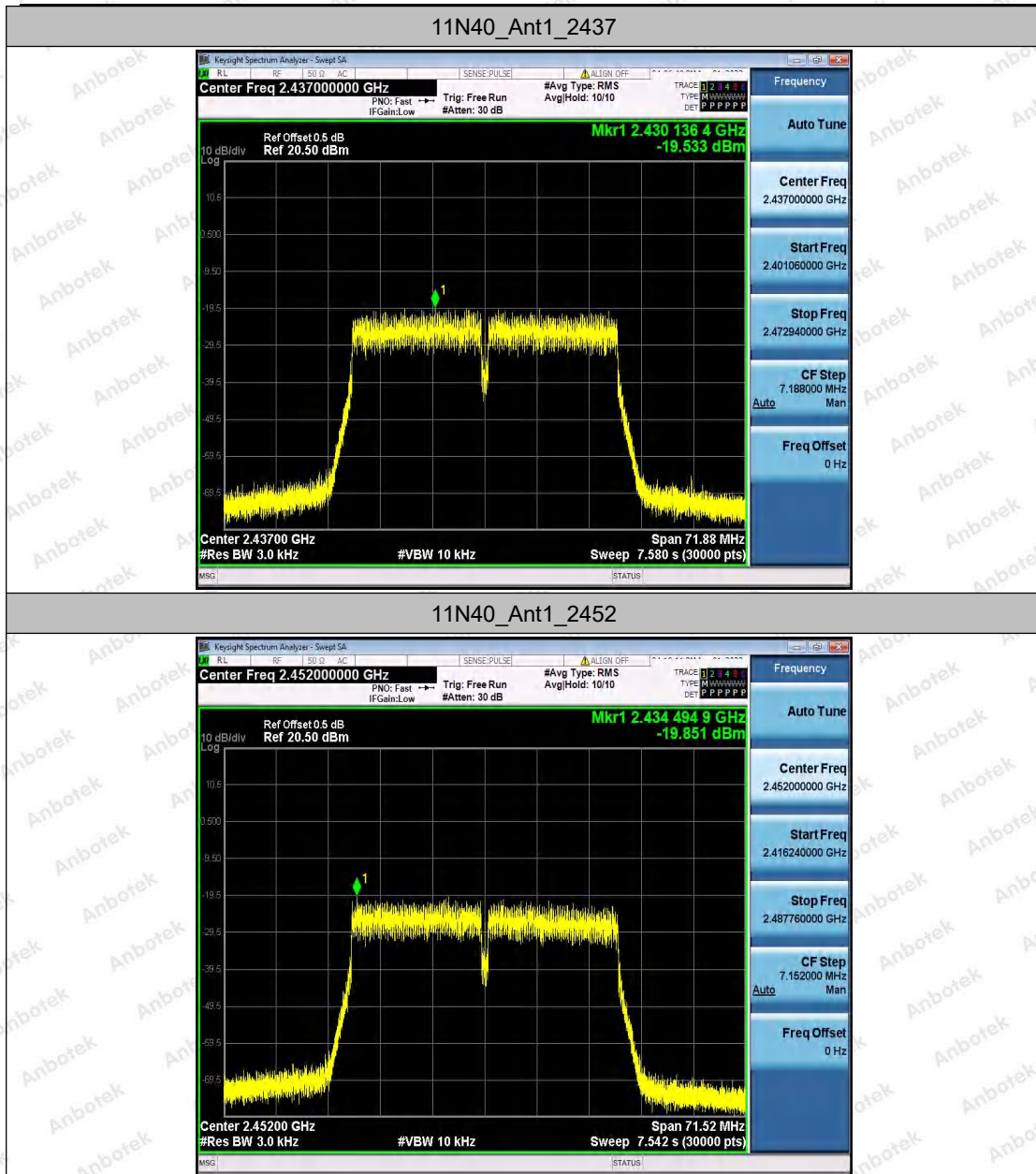


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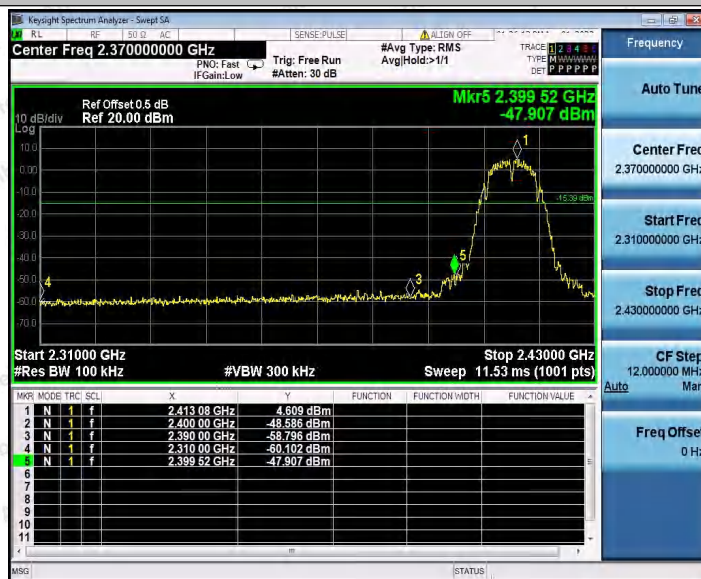
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.61	-47.91	≤-15.39	PASS
		High	2462	5.25	-53.86	≤-14.75	PASS
11G	Ant1	Low	2412	-2.48	-46.65	≤-22.48	PASS
		High	2462	-2.17	-53.38	≤-22.17	PASS
11N20	Ant1	Low	2412	-6.97	-51.66	≤-26.97	PASS
		High	2462	-2.89	-55.03	≤-22.89	PASS
11N40	Ant1	Low	2422	-5.11	-46.96	≤-25.11	PASS
		High	2452	-5.62	-51.13	≤-25.62	PASS

Test Graphs

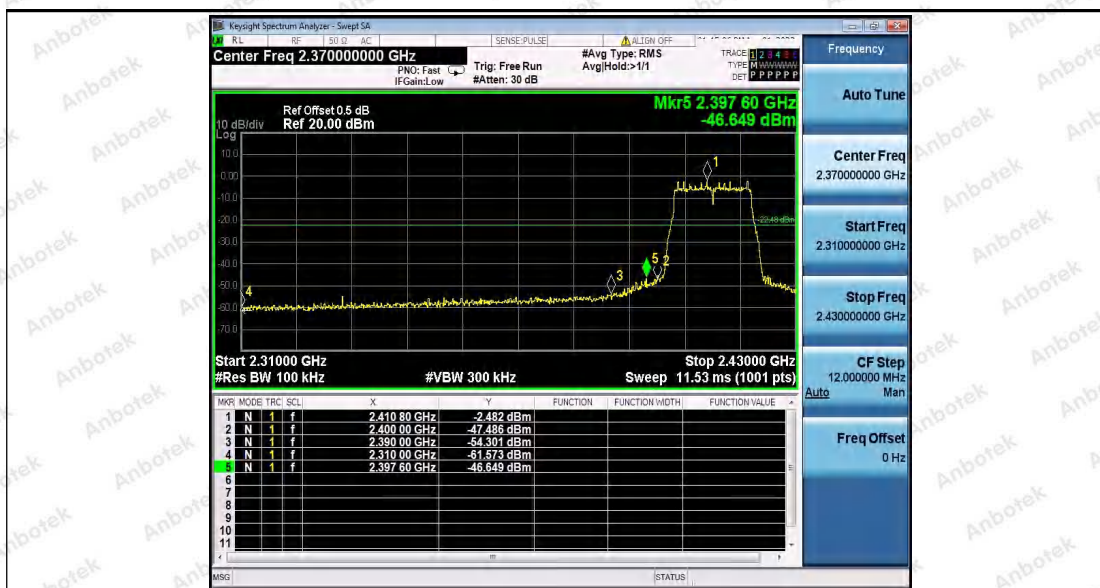
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11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20_Ant1_Low_2412



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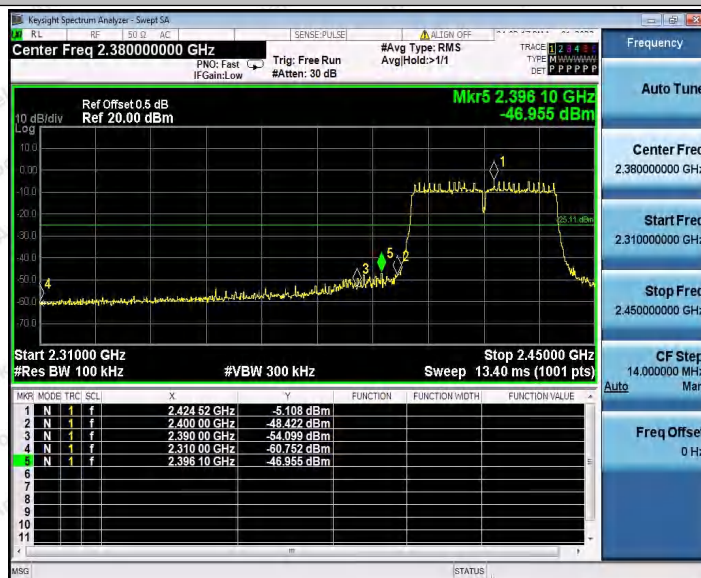
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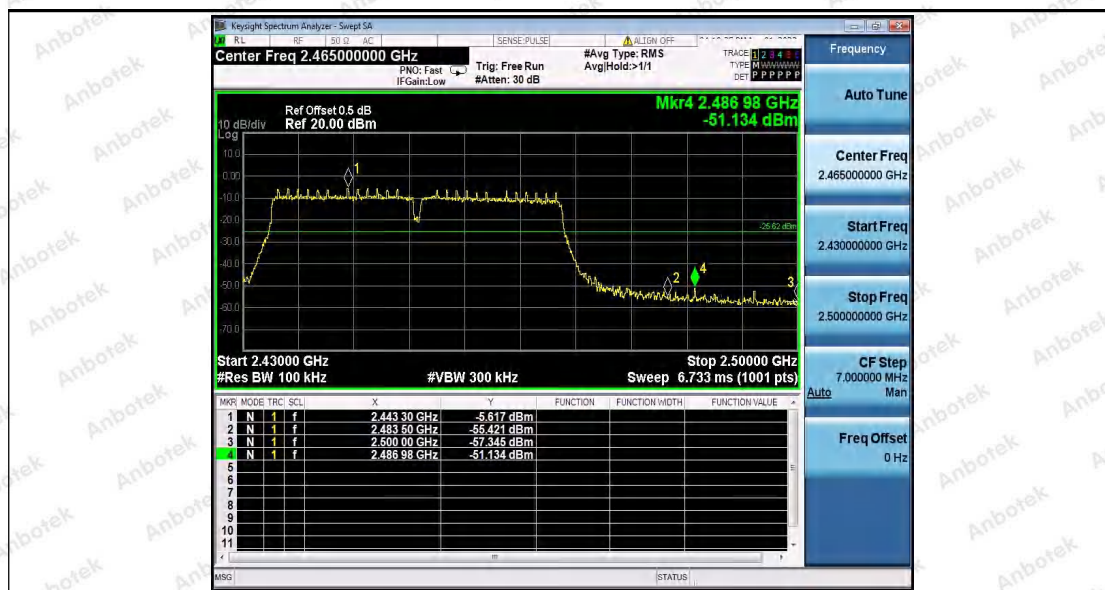
11N20_Ant1_High_2462



11N40_Ant1_Low_2422



11N40_Ant1_High_2452



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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	5.24	5.24	---	PASS
			30~1000	5.24	-68.09	≤-14.76	PASS
			1000~26500	5.24	-54.14	≤-14.76	PASS
		2437	Reference	3.86	3.86	---	PASS
			30~1000	3.86	-69.48	≤-16.14	PASS
			1000~26500	3.86	-54.78	≤-16.14	PASS
		2462	Reference	5.09	5.09	---	PASS
			30~1000	5.09	-69.93	≤-14.92	PASS
			1000~26500	5.09	-53.83	≤-14.92	PASS
11G	Ant1	2412	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-69.74	≤-22.51	PASS
			1000~26500	-2.51	-54.4	≤-22.51	PASS
		2437	Reference	-2.57	-2.57	---	PASS
			30~1000	-2.57	-70.11	≤-22.57	PASS
			1000~26500	-2.57	-53.98	≤-22.57	PASS
		2462	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-69.75	≤-22.34	PASS
			1000~26500	-2.34	-53.68	≤-22.34	PASS
11N20	Ant1	2412	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-69.95	≤-23.3	PASS
			1000~26500	-3.30	-53.58	≤-23.3	PASS
		2437	Reference	-3.87	-3.87	---	PASS
			30~1000	-3.87	-70.03	≤-23.87	PASS
			1000~26500	-3.87	-53.14	≤-23.87	PASS
		2462	Reference	-3.54	-3.54	---	PASS
			30~1000	-3.54	-68.96	≤-23.54	PASS
			1000~26500	-3.54	-54.05	≤-23.54	PASS
11N40	Ant1	2422	Reference	-5.35	-5.35	---	PASS
			30~1000	-5.35	-69.45	≤-25.35	PASS
			1000~26500	-5.35	-54.74	≤-25.35	PASS
		2437	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-70.59	≤-25.28	PASS
			1000~26500	-5.28	-53.95	≤-25.28	PASS
		2452	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-69.7	≤-25.75	PASS
			1000~26500	-5.75	-54.56	≤-25.75	PASS

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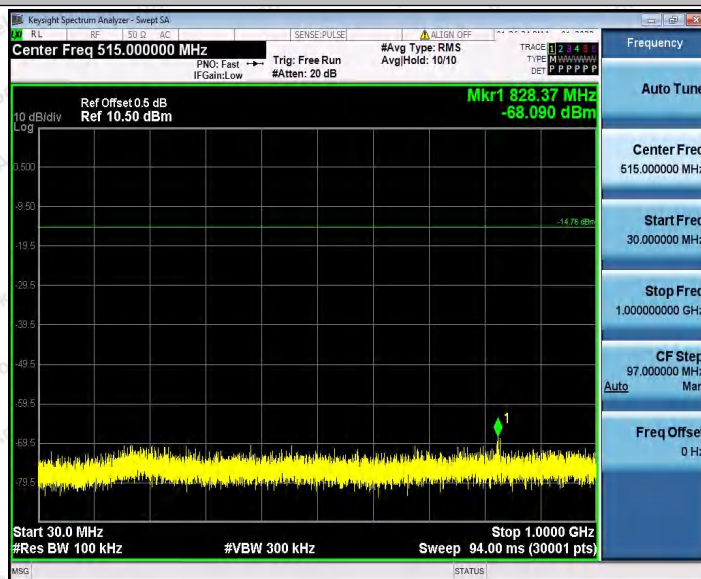
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Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000

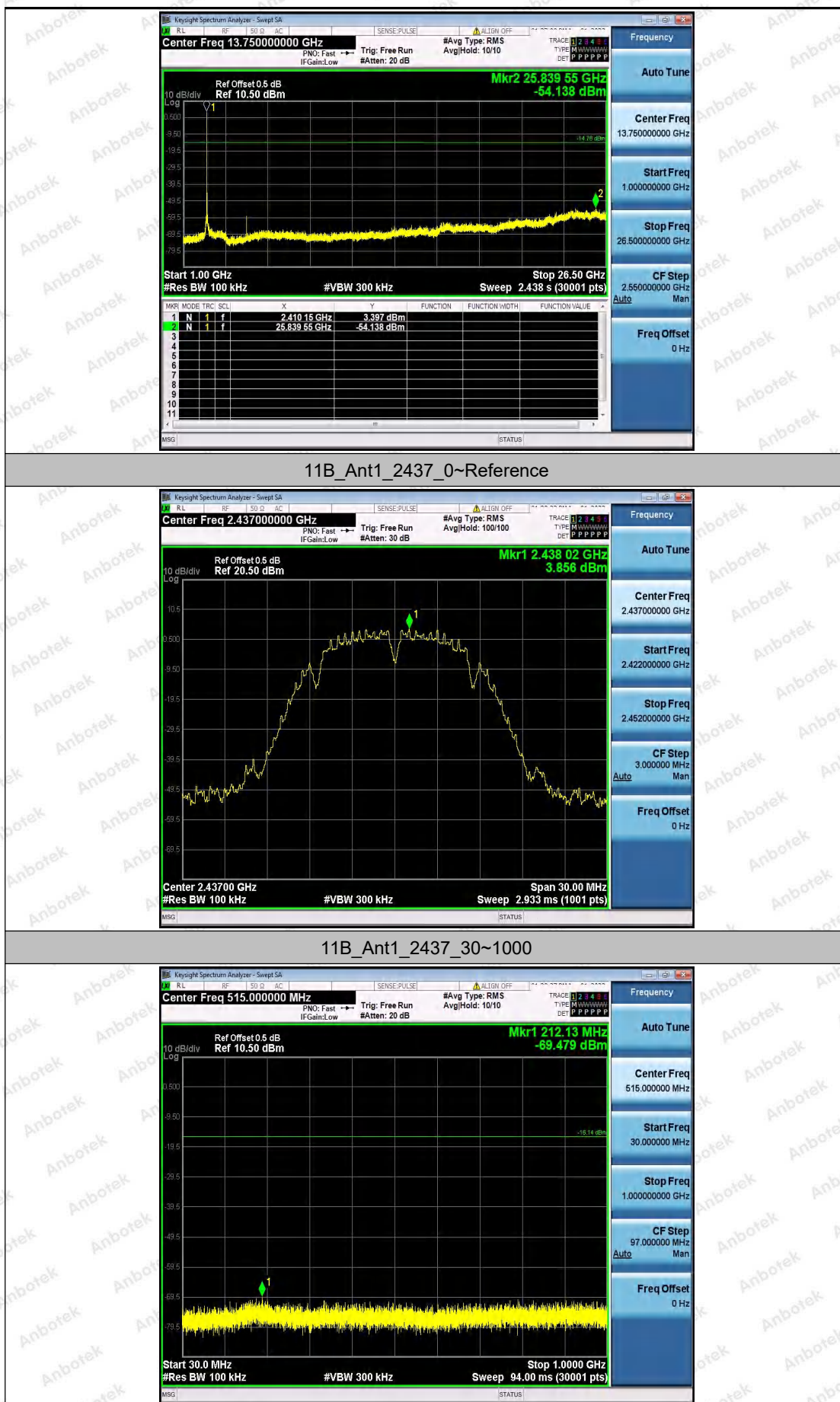


11B_Ant1_2412_1000~26500

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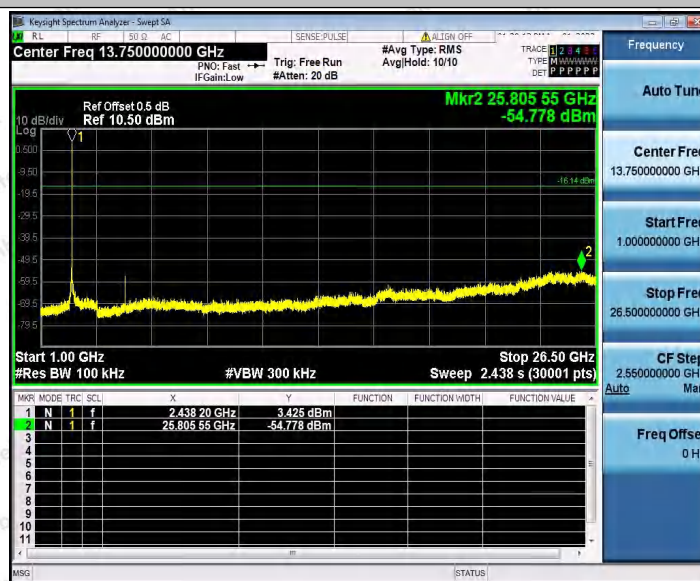
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference

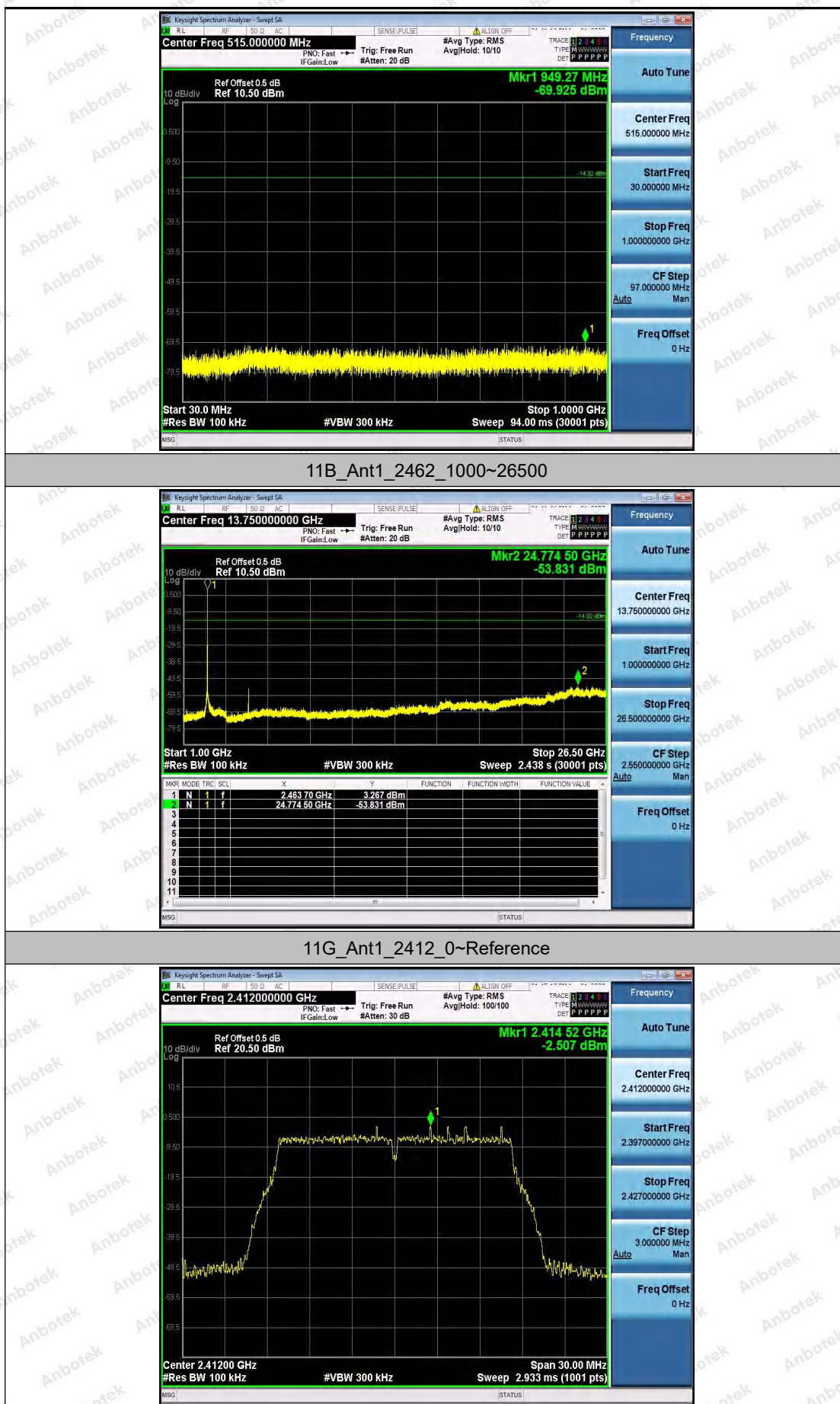


11B_Ant1_2462_30~1000

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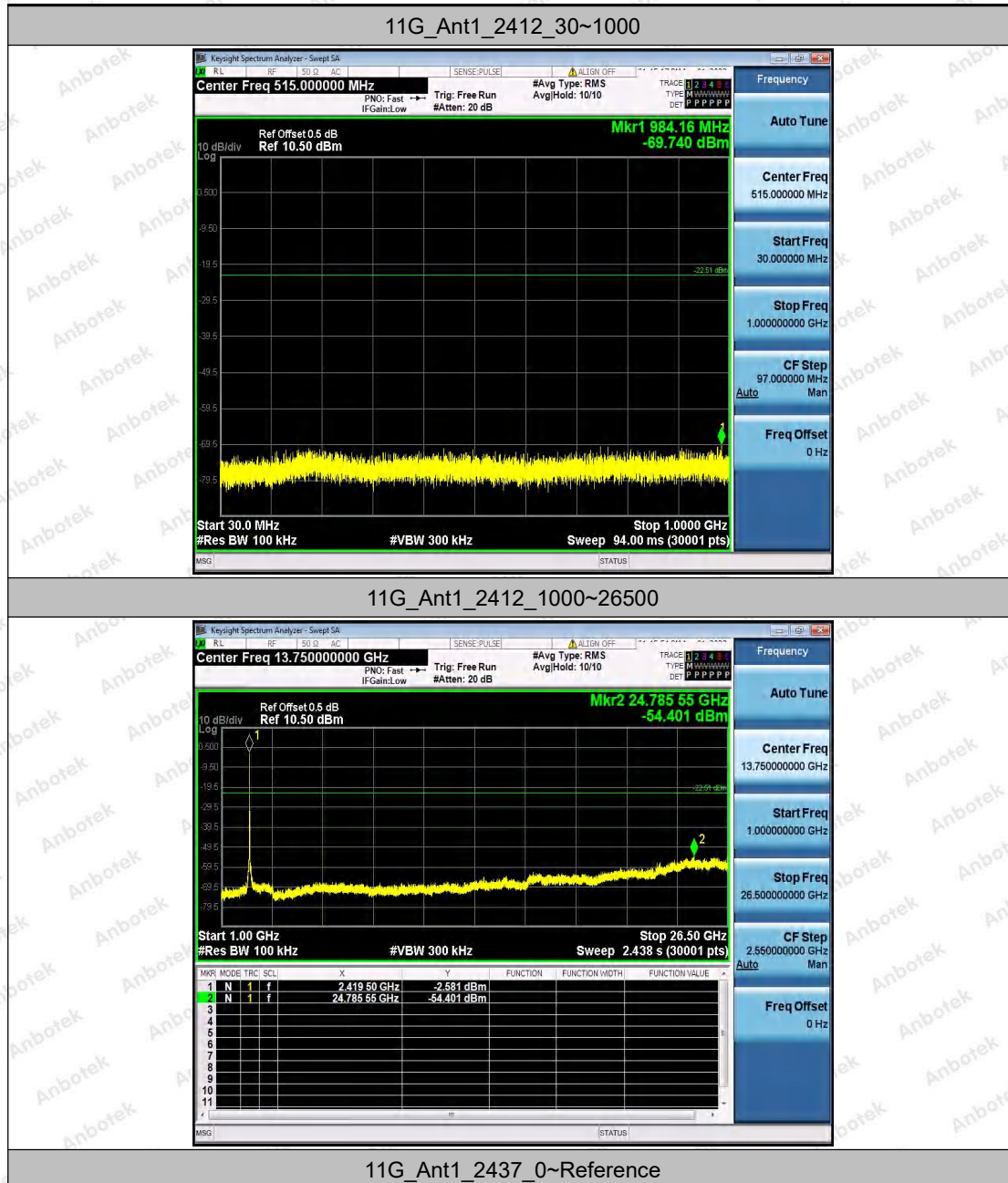
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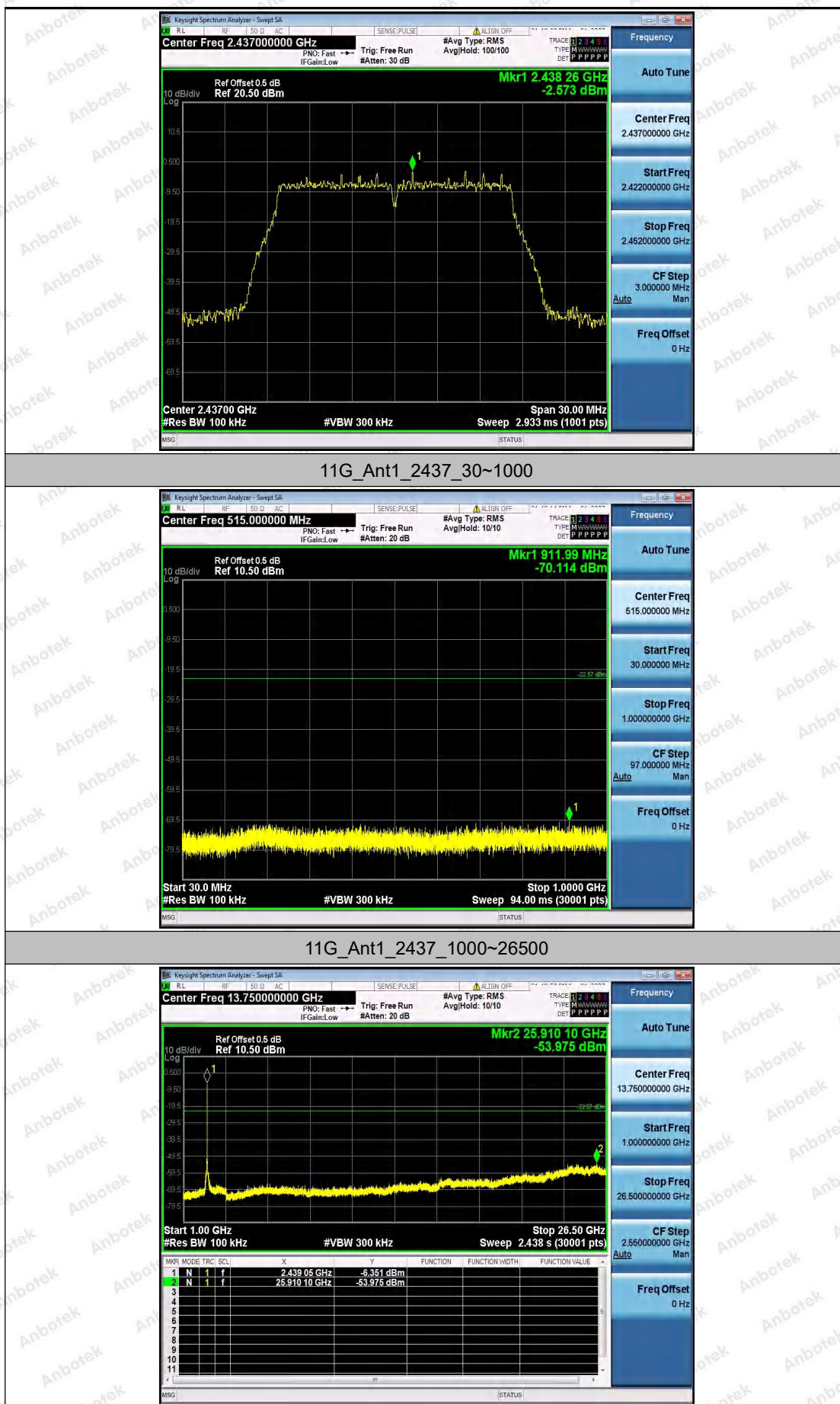


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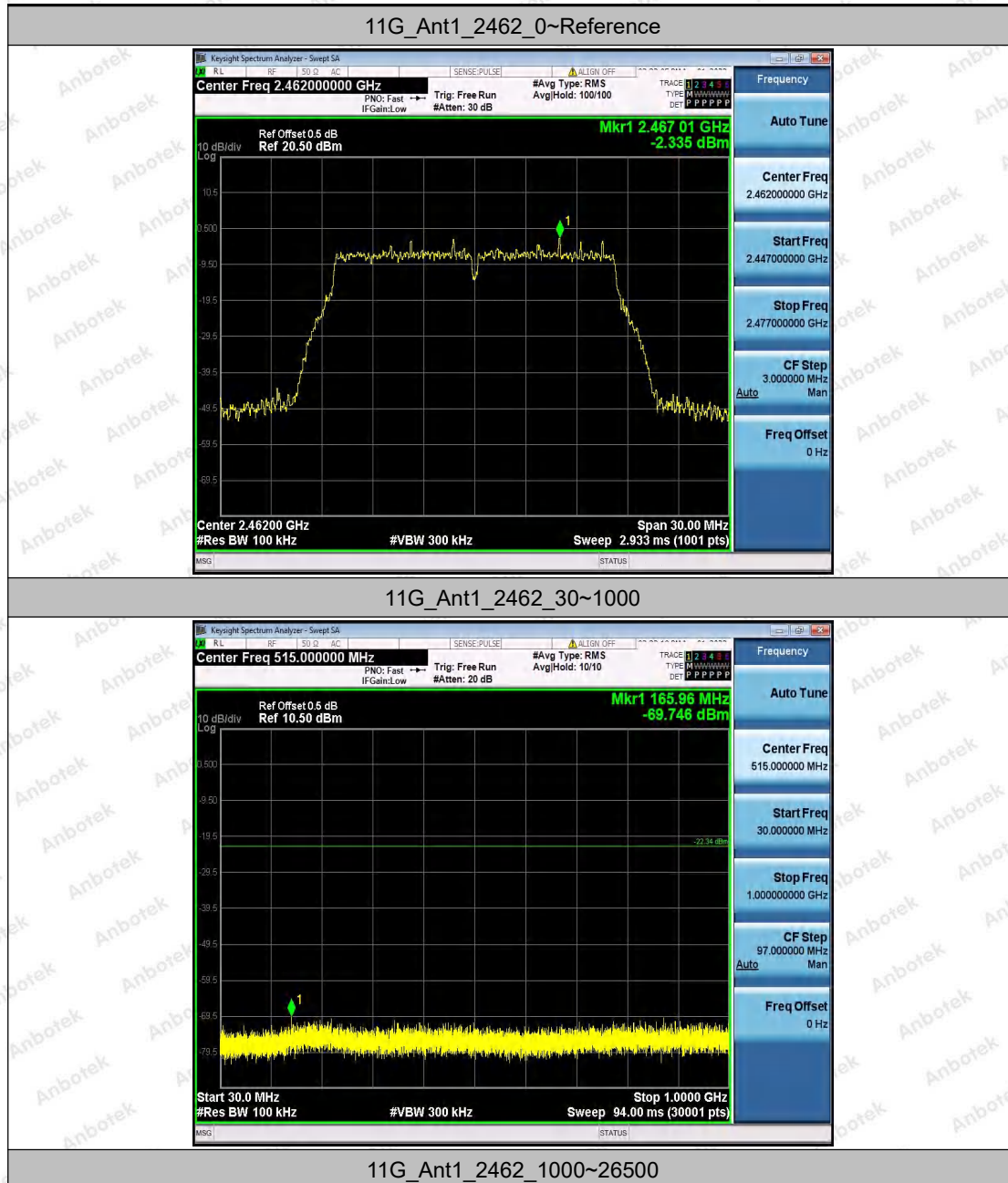




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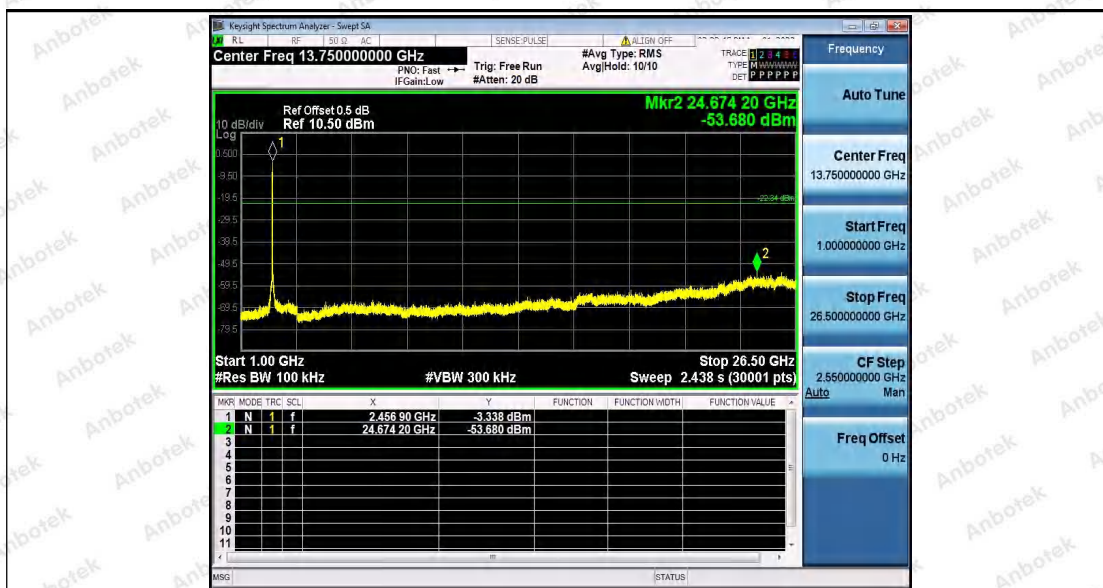
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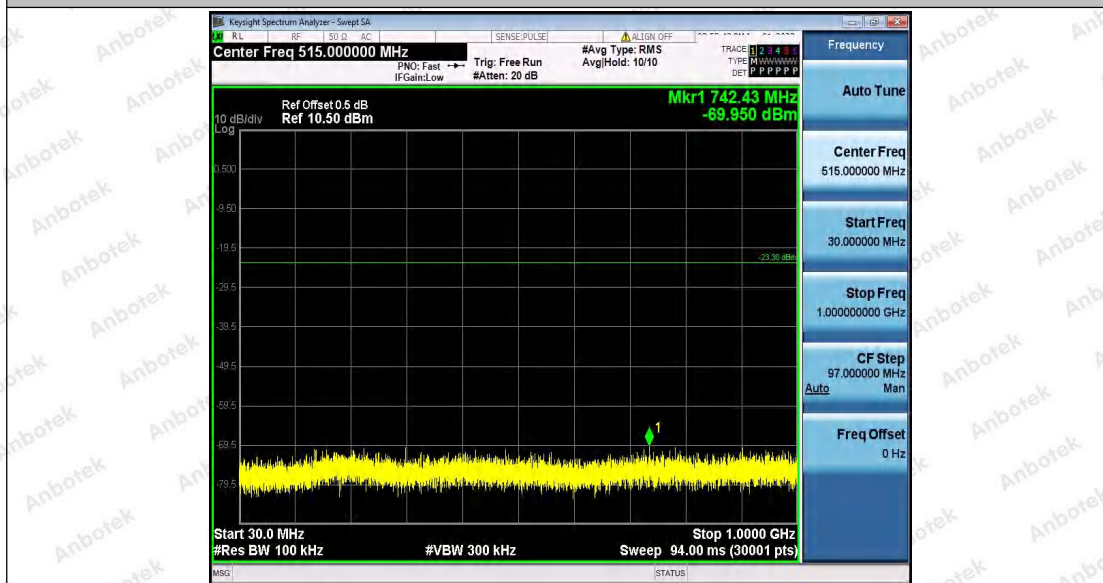
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11N20_Ant1_2412_0~Reference



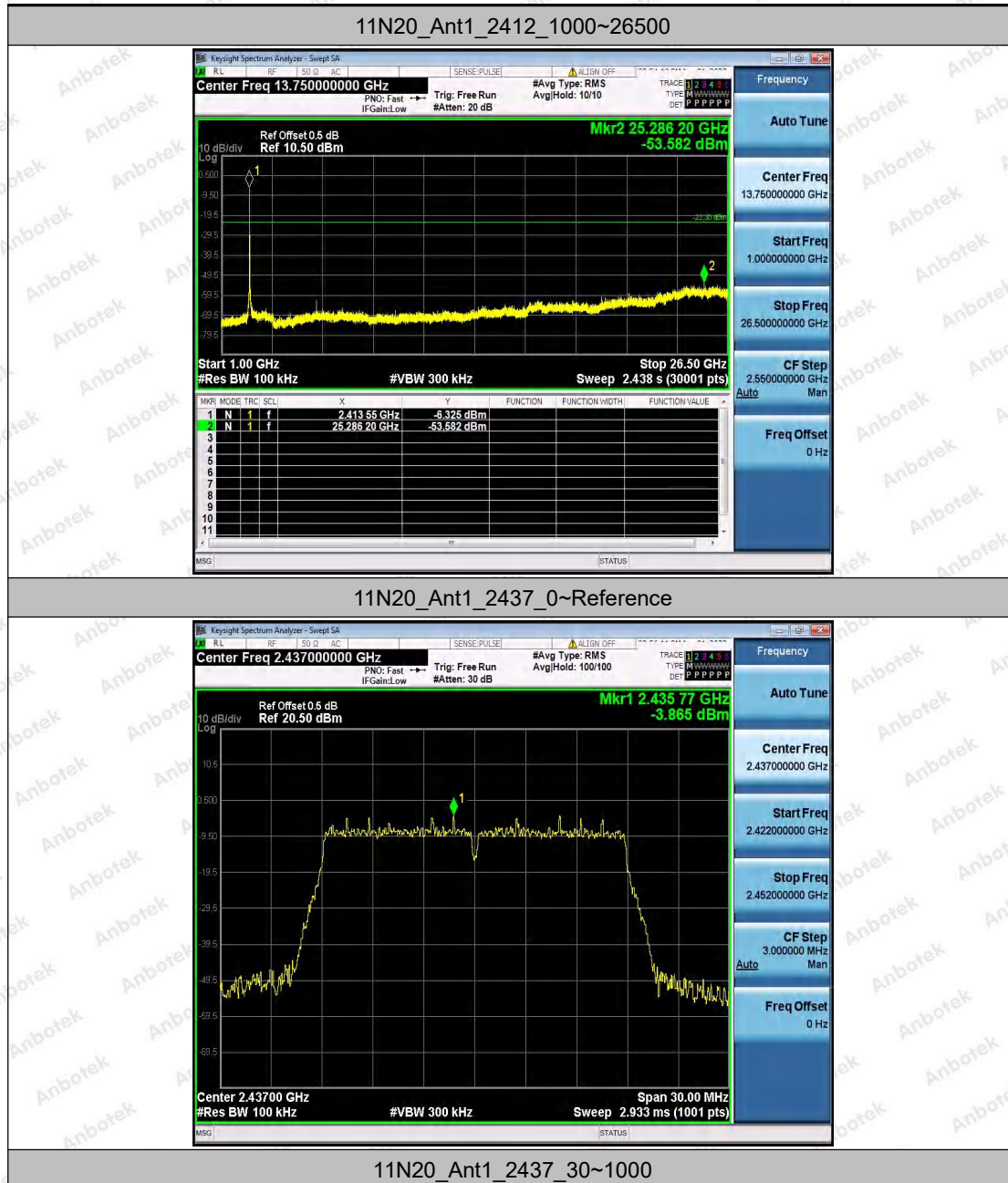
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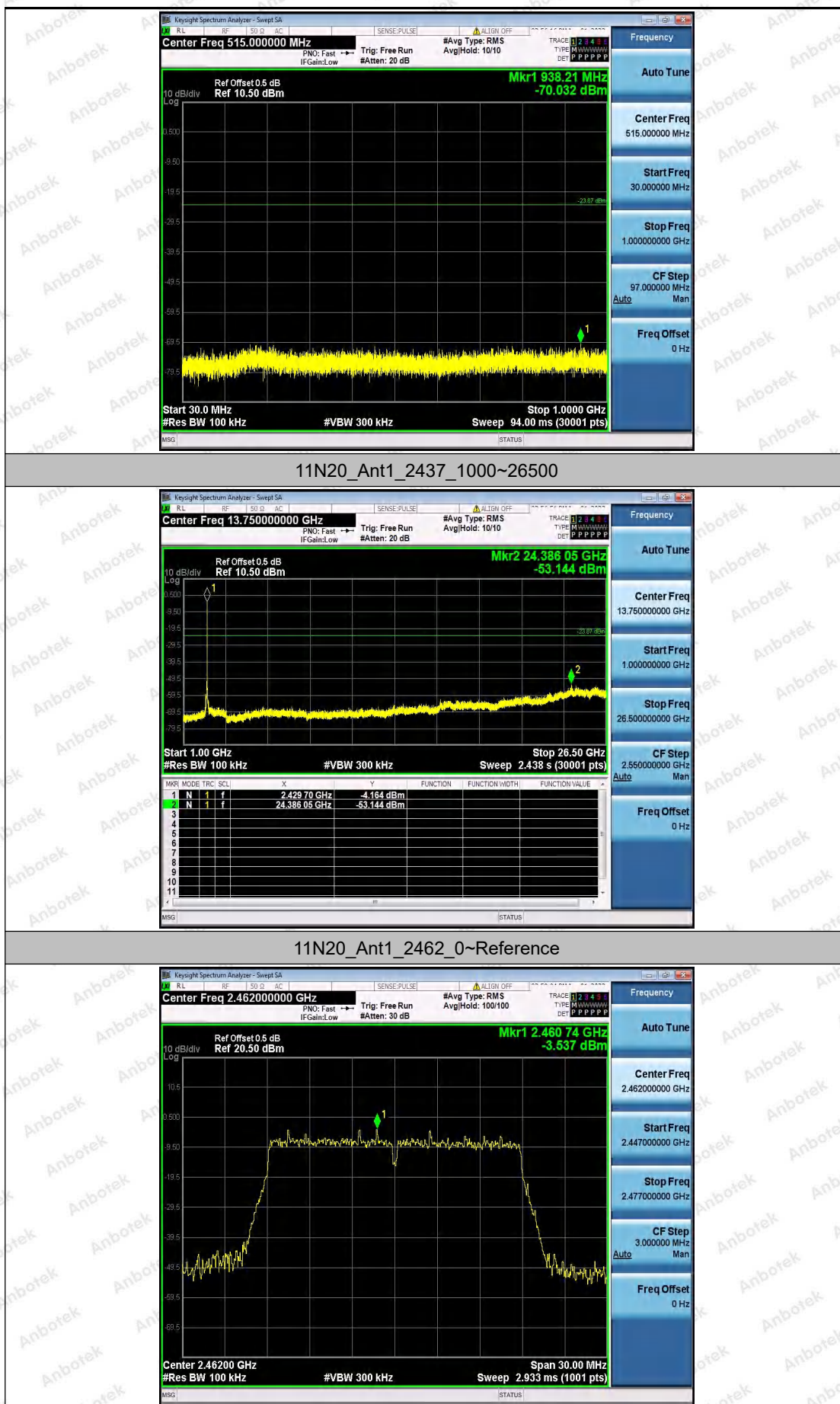


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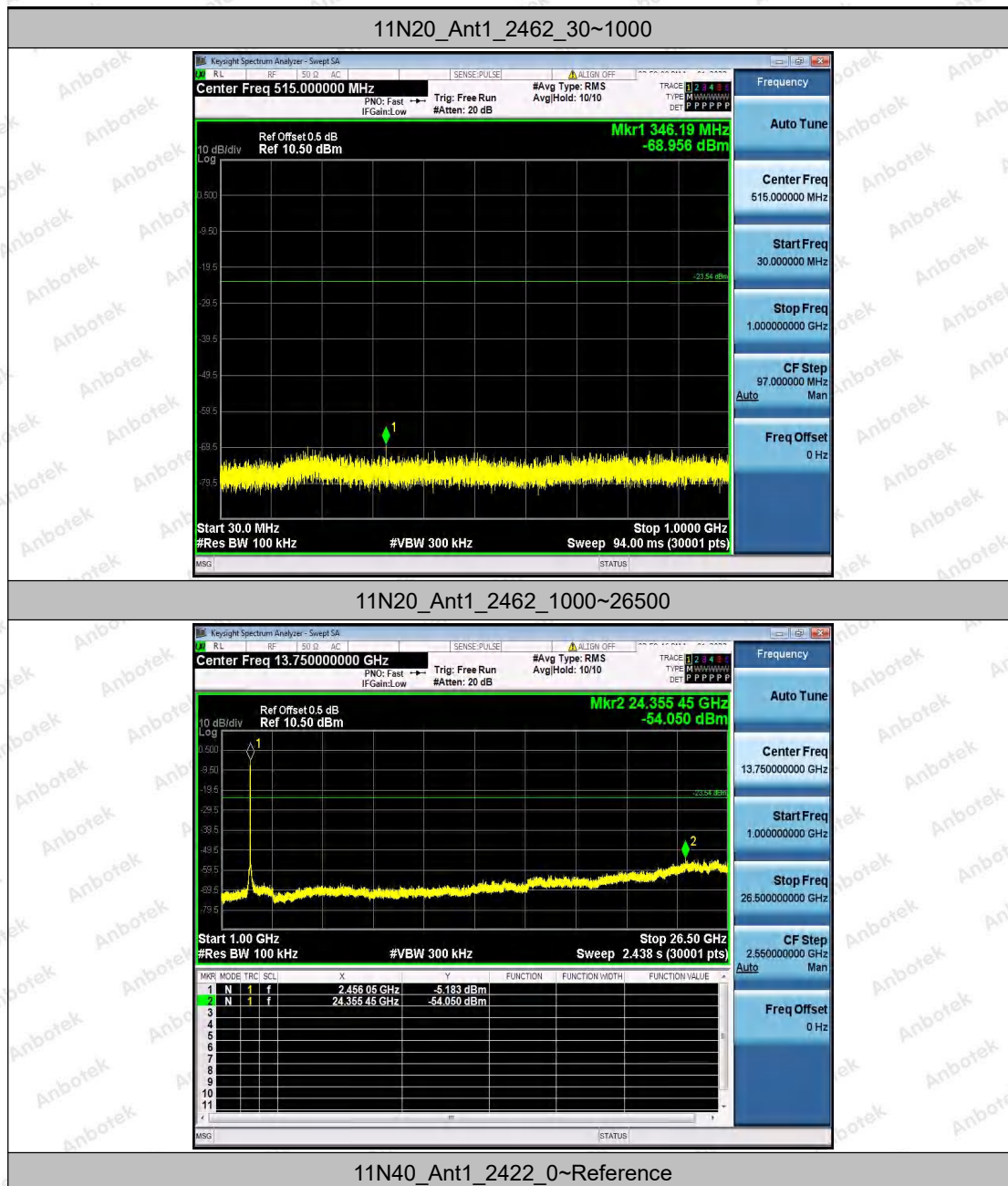


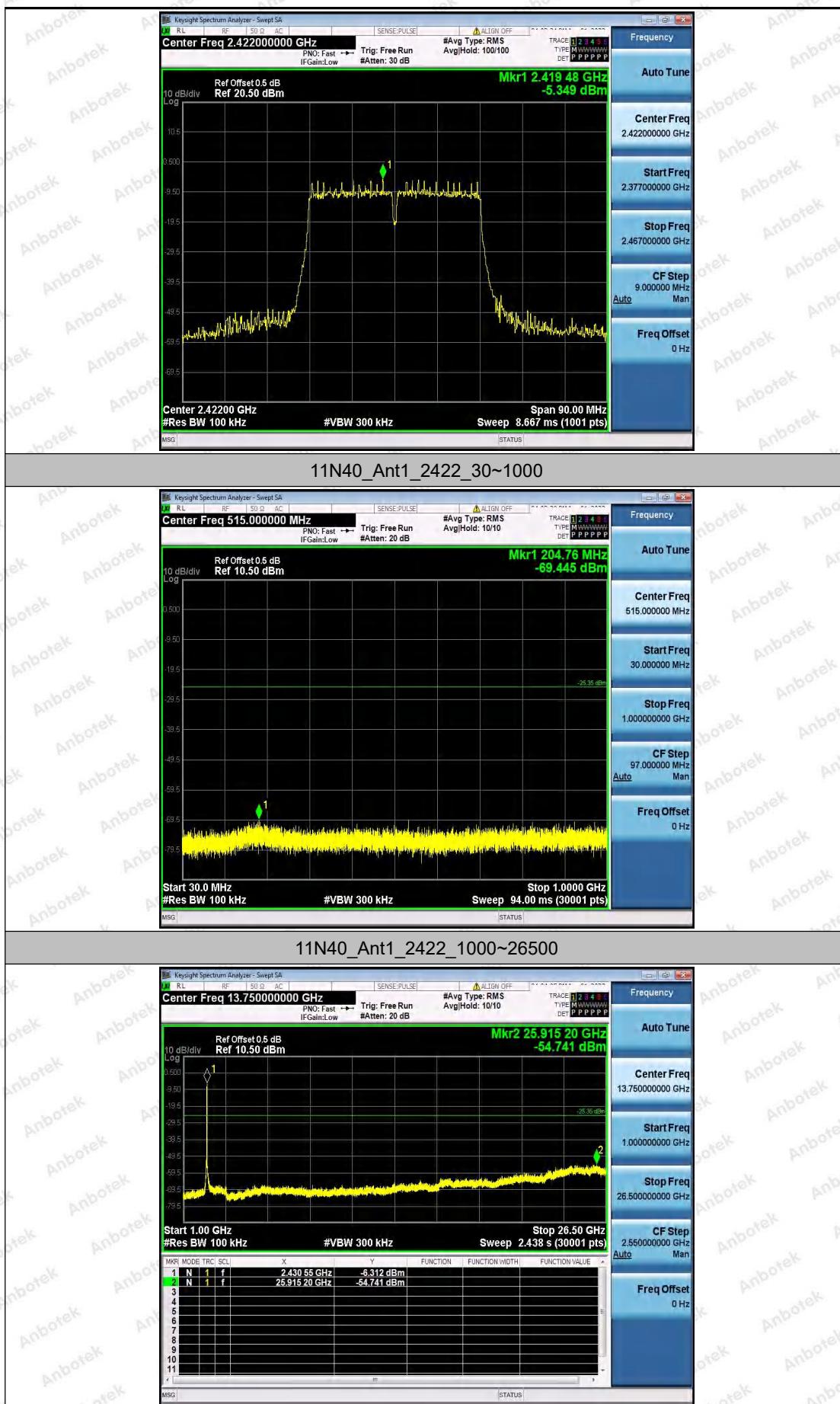


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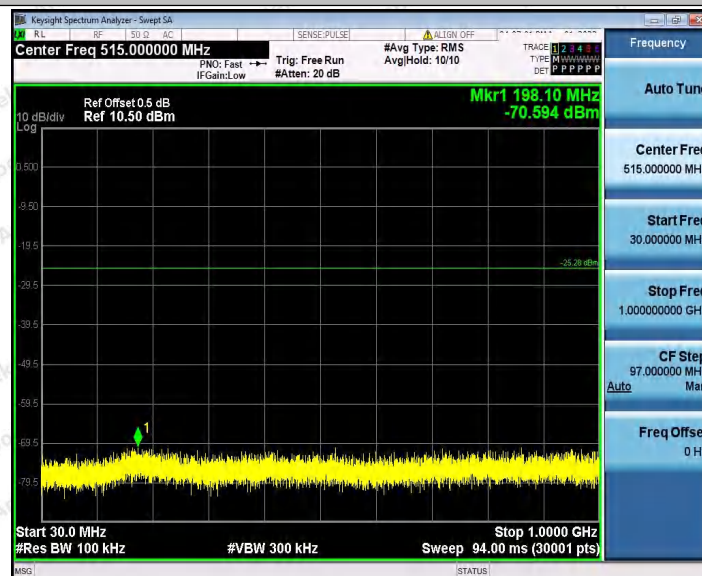
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11N40_Ant1_2437_0~Reference



11N40_Ant1_2437_30~1000

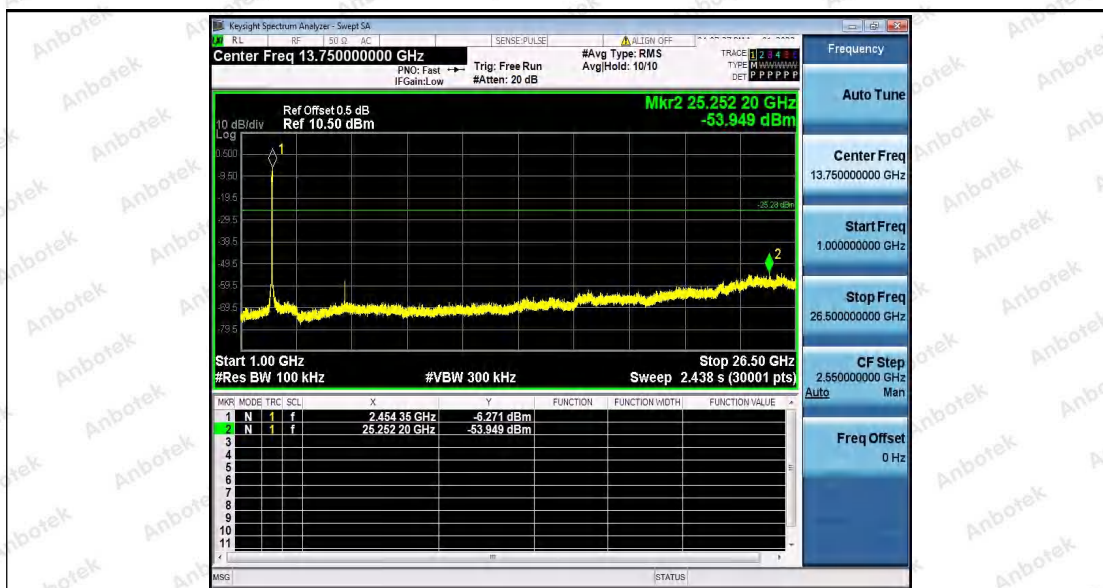


11N40_Ant1_2437_1000~26500

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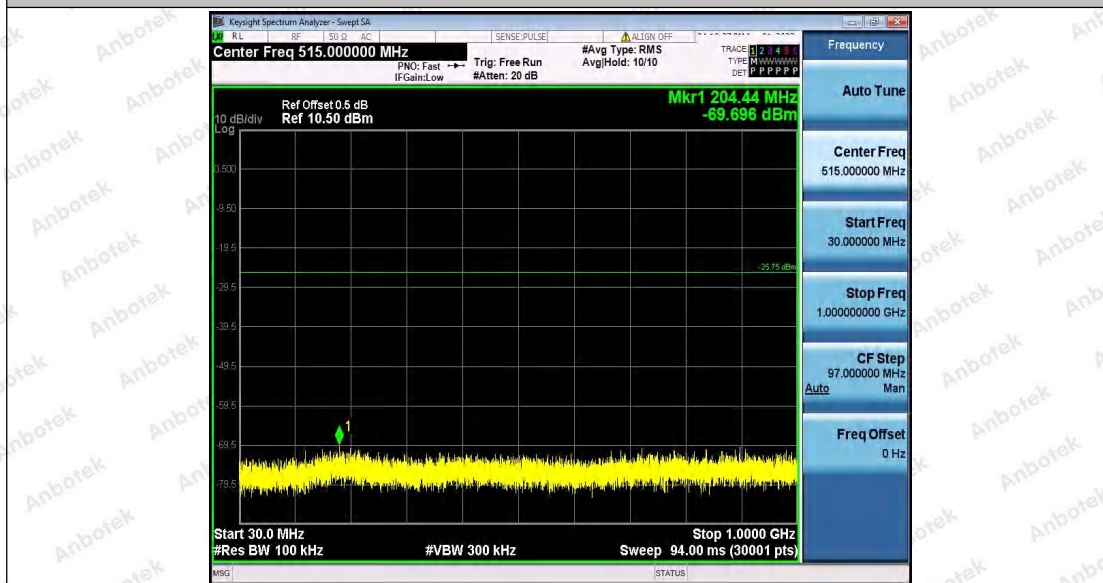
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11N40_Ant1_2452_0~Reference



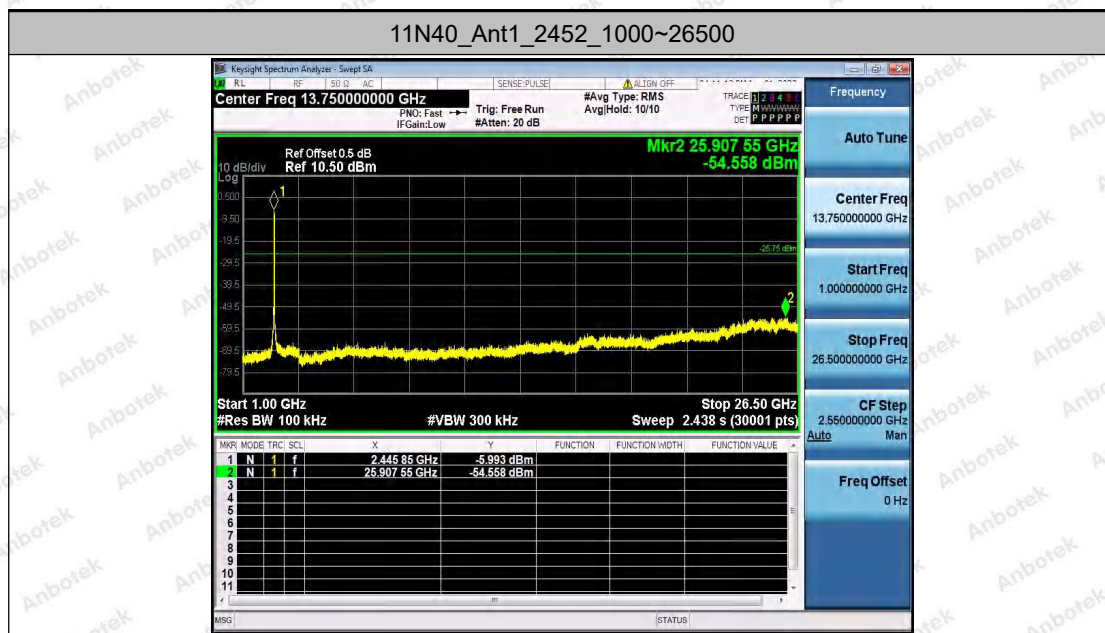
11N40_Ant1_2452_30~1000



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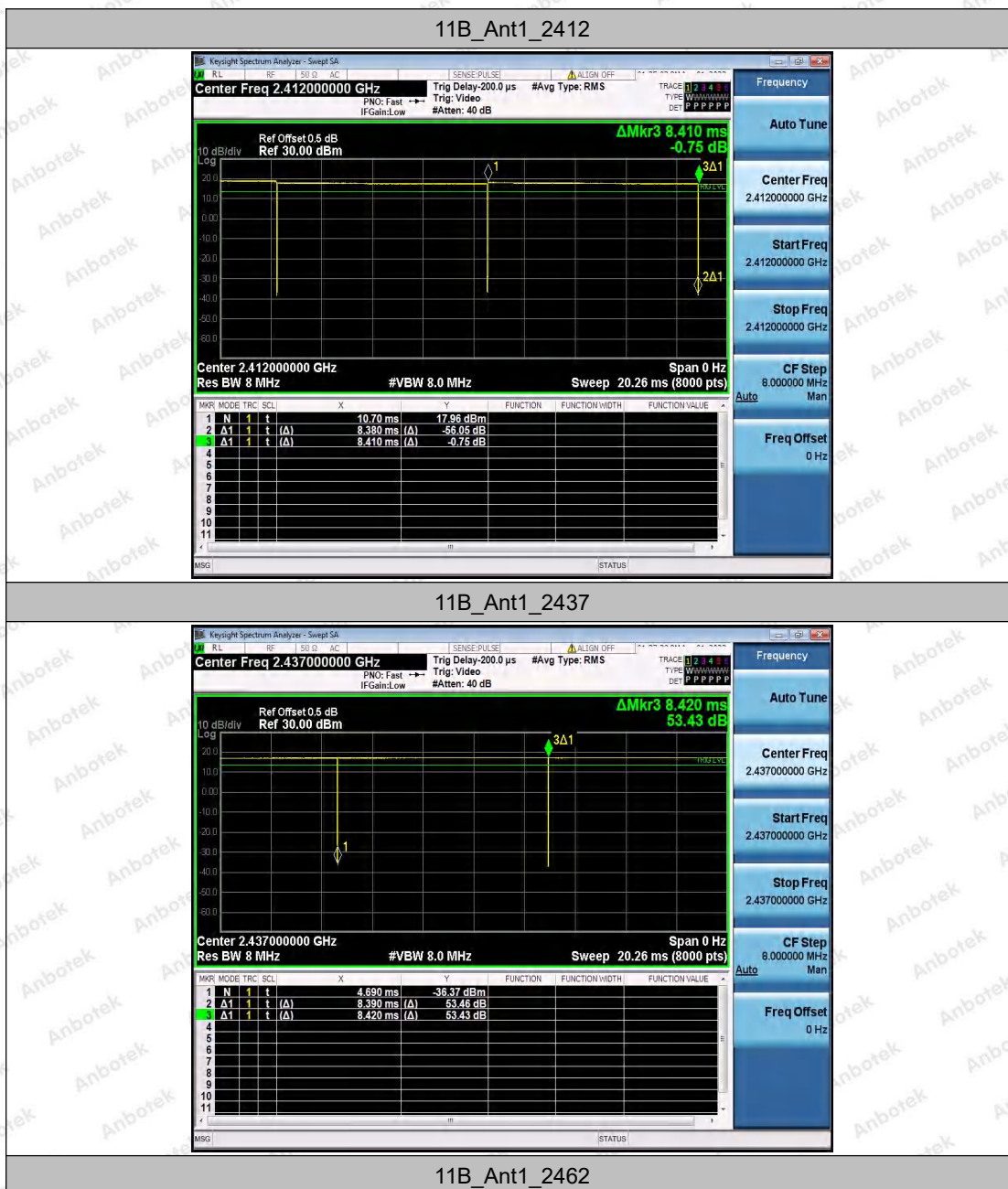
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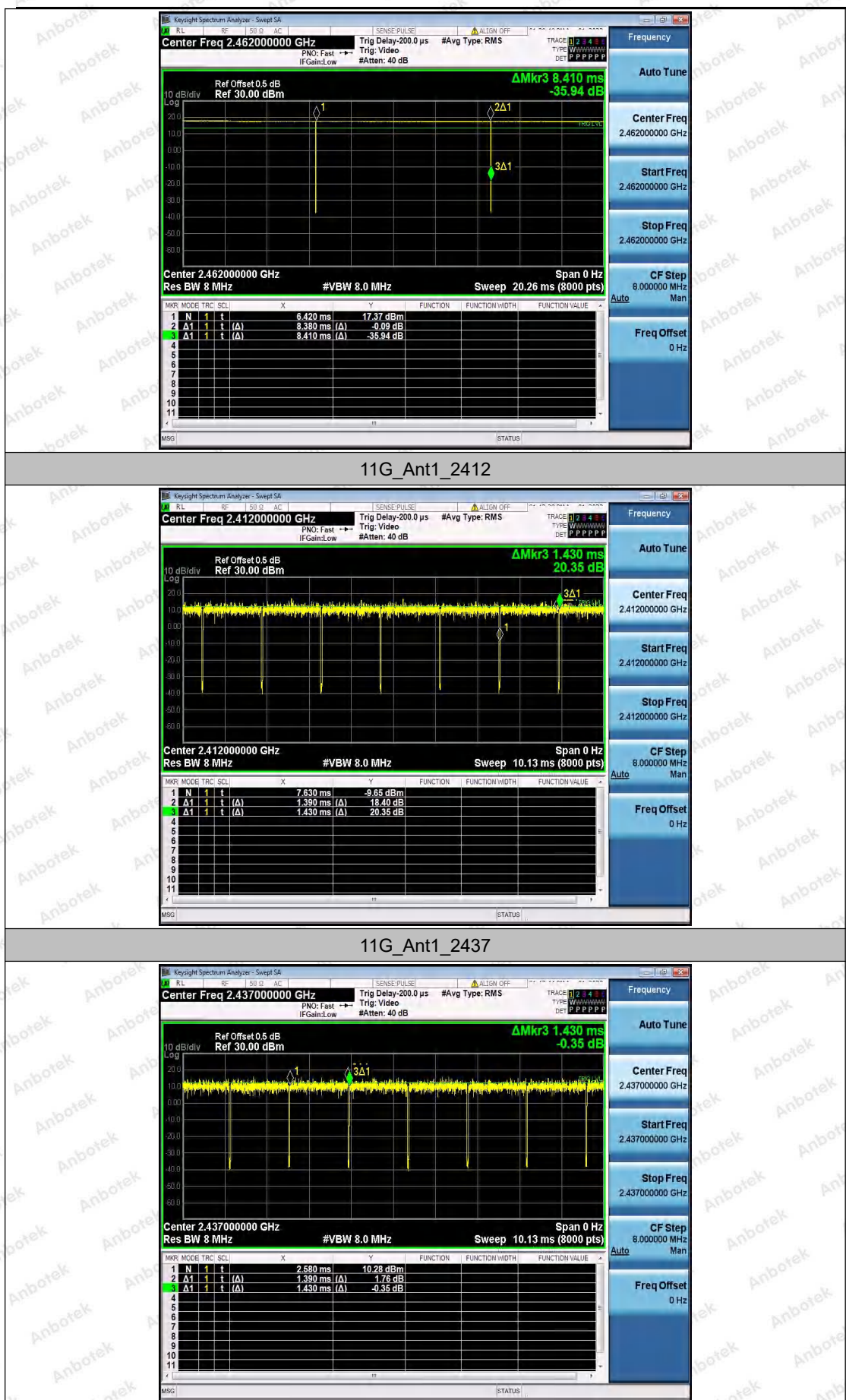
Appendix G: Duty Cycle

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	8.39	8.42	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.43	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
11N40	Ant1	2422	0.65	0.68	95.59	---	PASS
		2437	0.65	0.69	94.20	---	PASS
		2452	0.65	0.68	95.59	---	PASS

Test Graphs



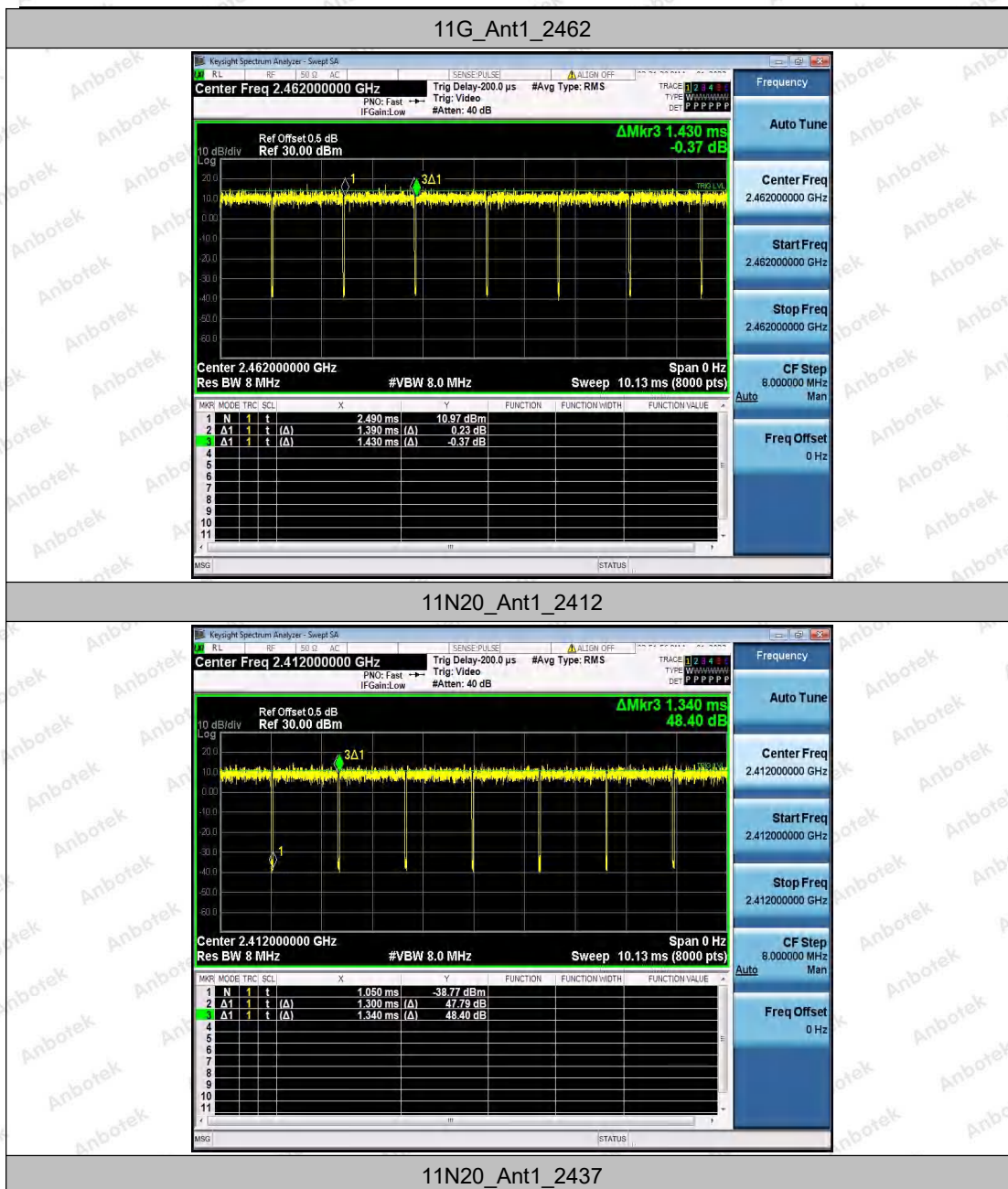


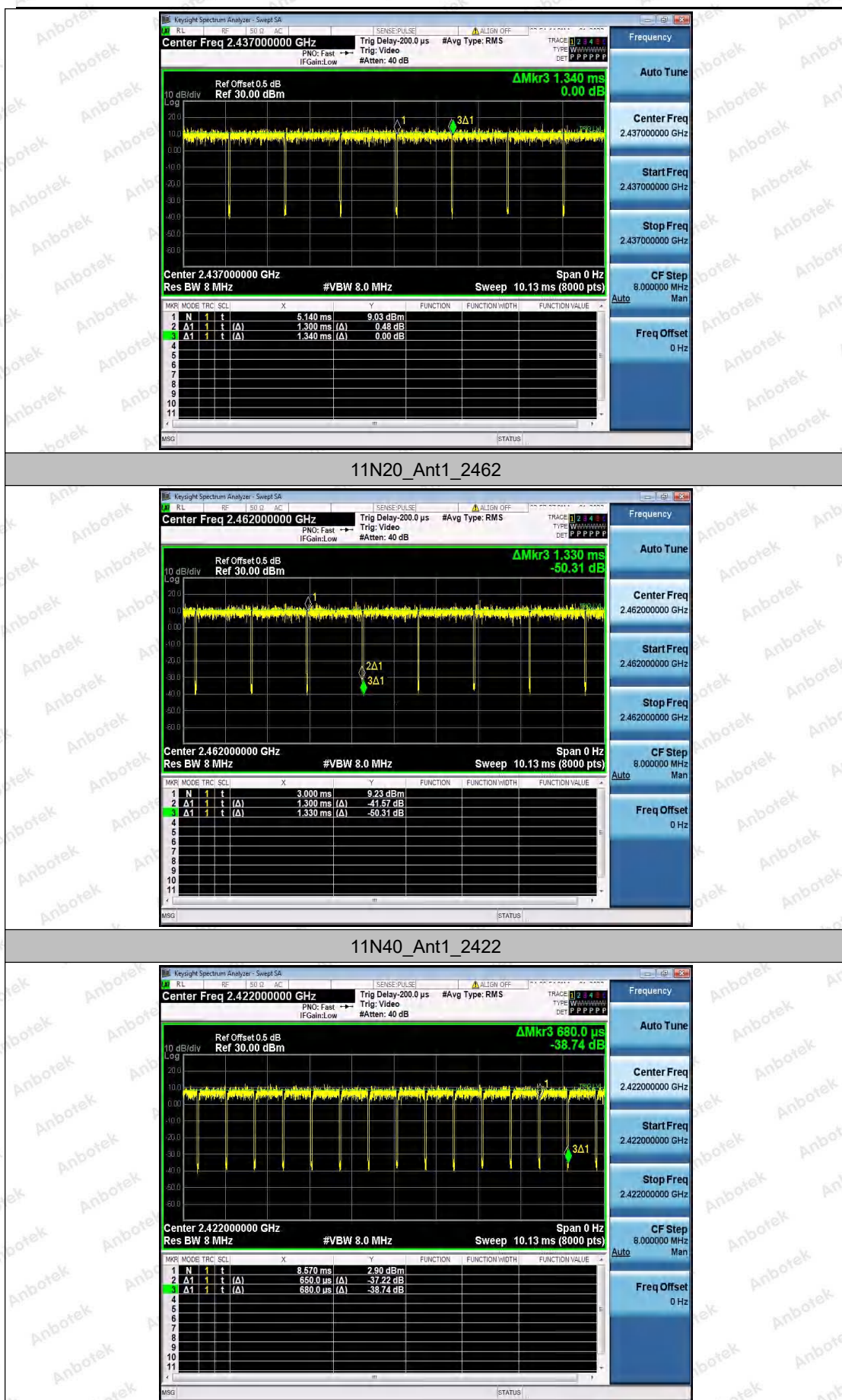
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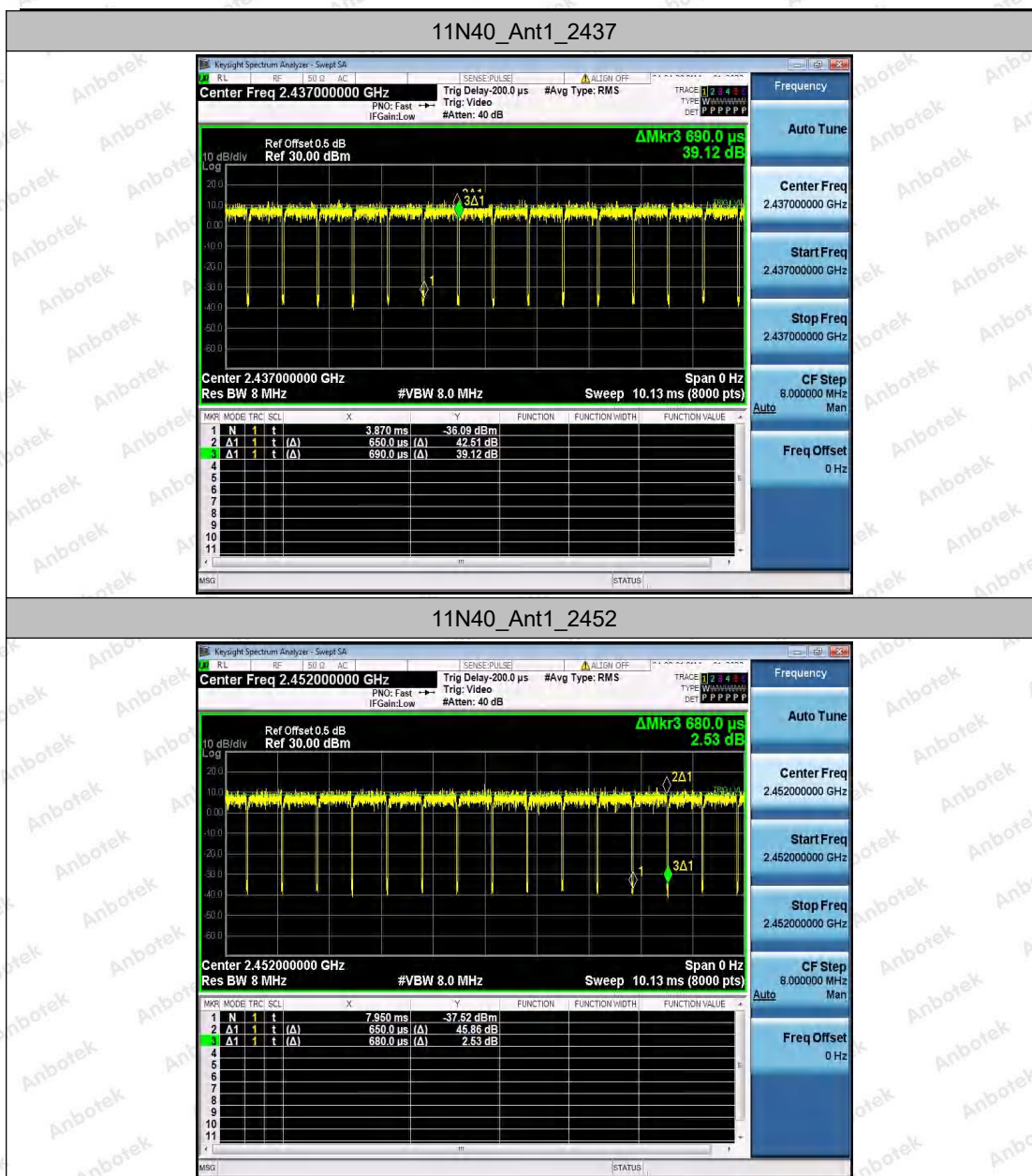


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