

Appendix Test Data

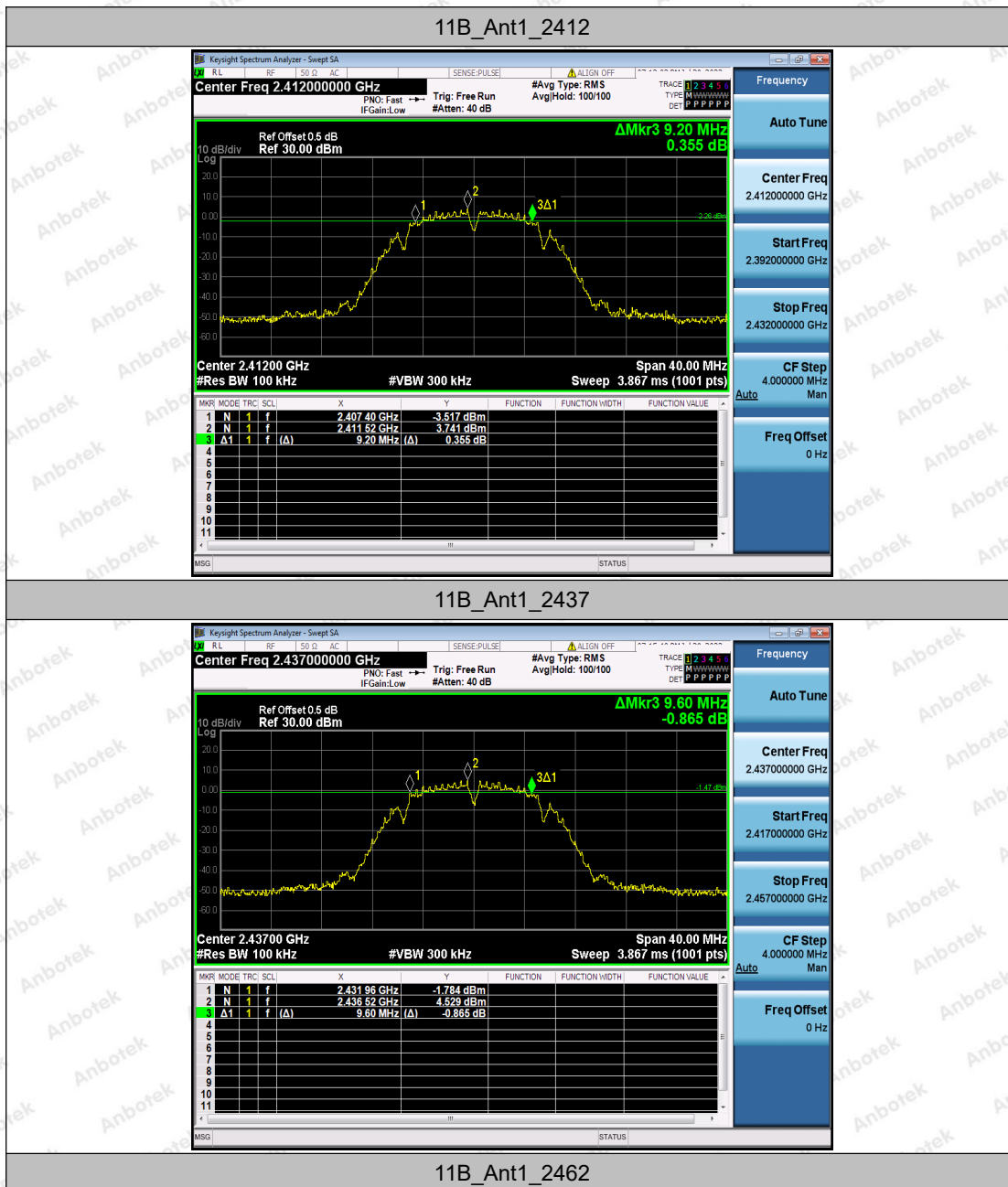
Report No.:	18220WC20166502	Test Sample No.:	1-2-2
Start Test Date:	2022.7.25	Finish Test Date:	2022.7.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.3°C	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.200	2407.400	2416.600	≥0.5	PASS
		2437	9.600	2431.960	2441.560	≥0.5	PASS
		2462	9.160	2457.440	2466.600	≥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	17.640	2403.200	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
11N40	Ant1	2422	35.880	2404.000	2439.880	≥0.5	PASS
		2437	35.760	2419.060	2454.820	≥0.5	PASS
		2452	35.820	2433.820	2469.640	≥0.5	PASS

Test Graphs



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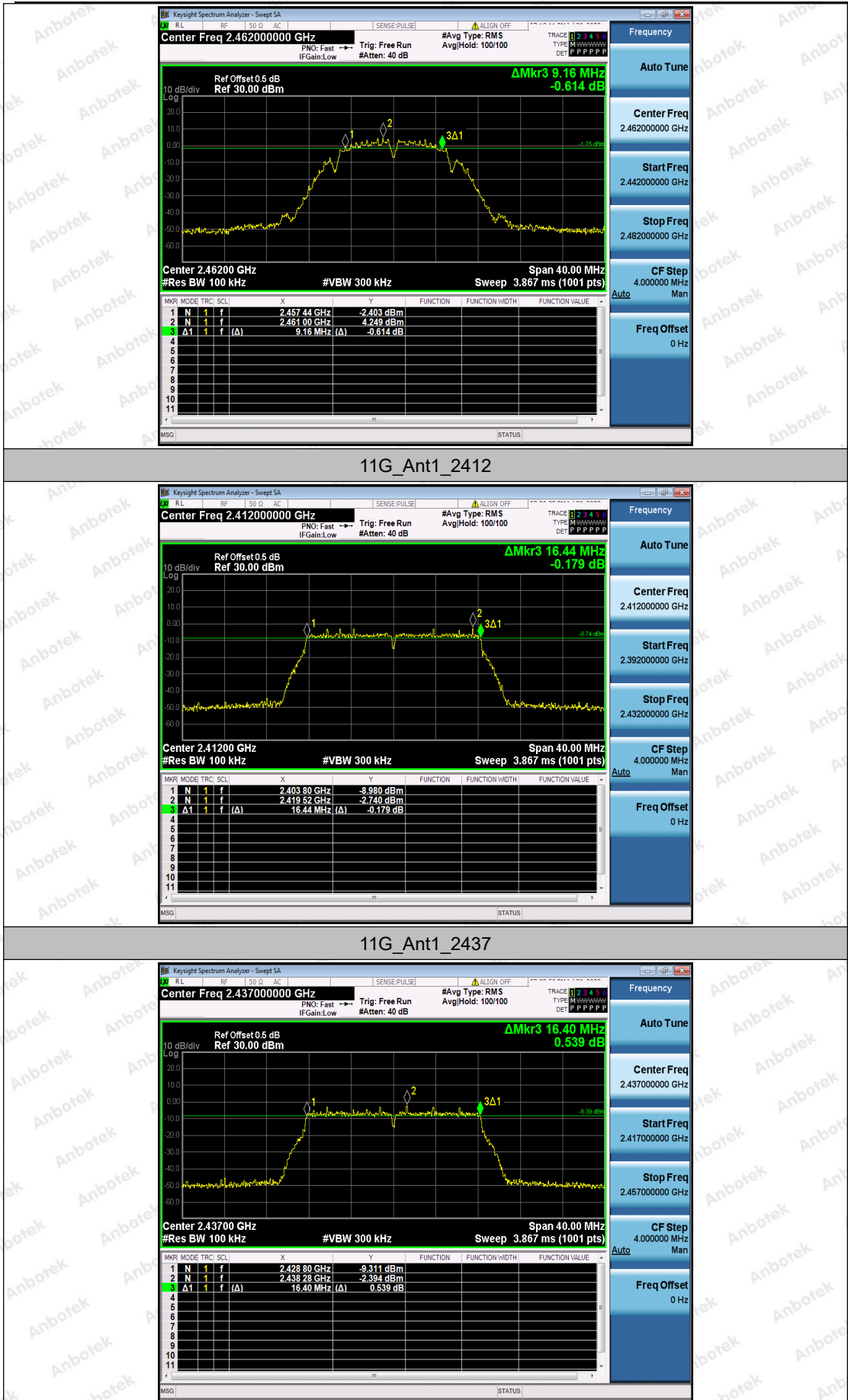
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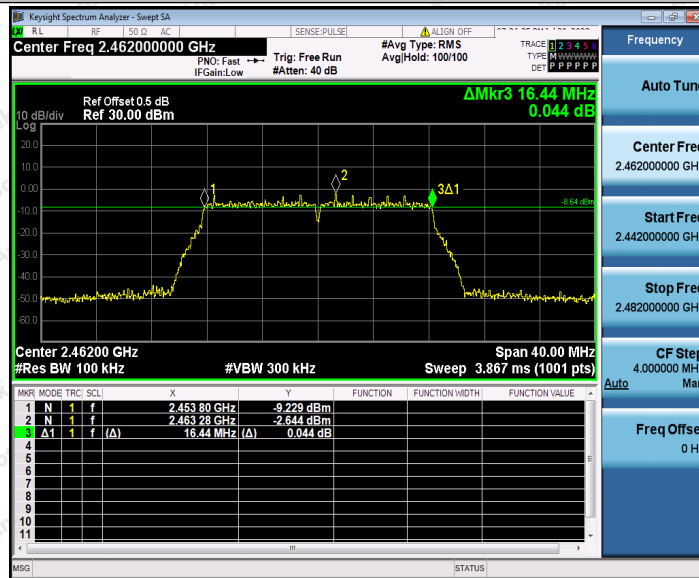
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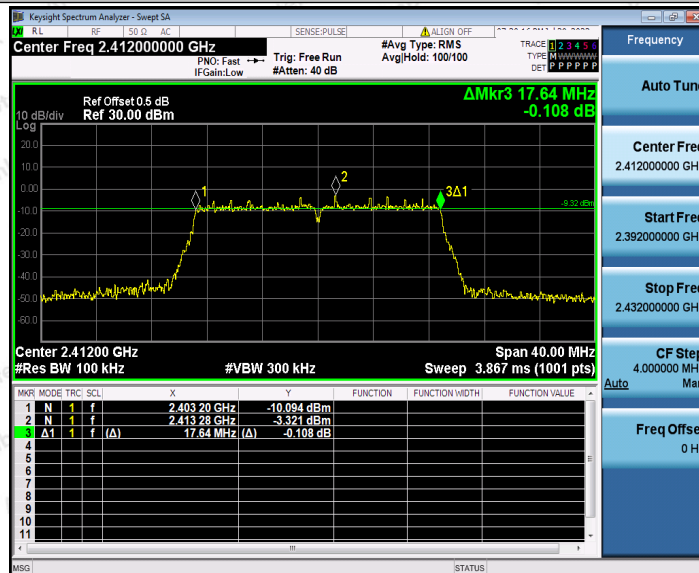
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11G_Ant1_2462



11N20_Ant1_2412



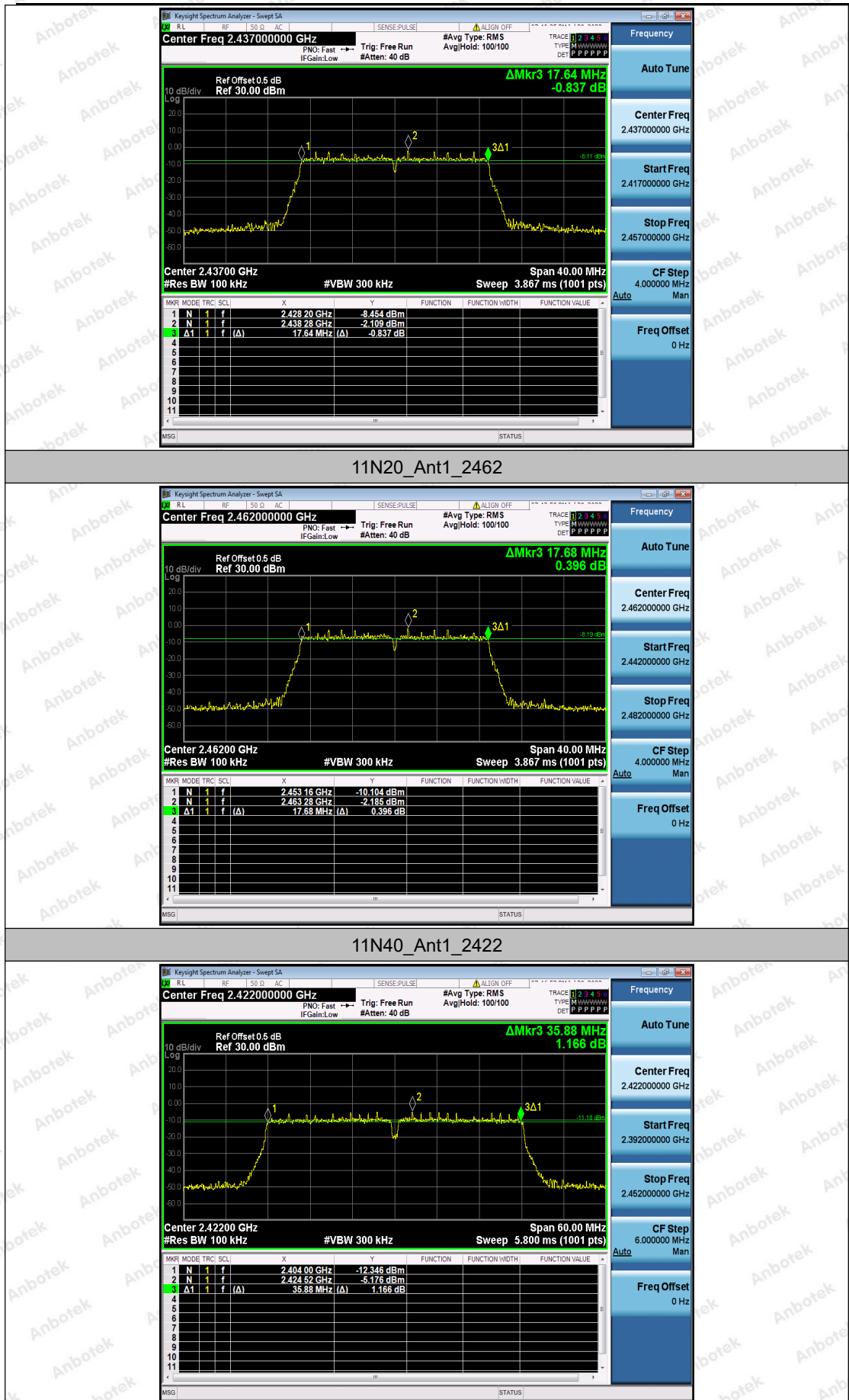
11N20_Ant1_2437

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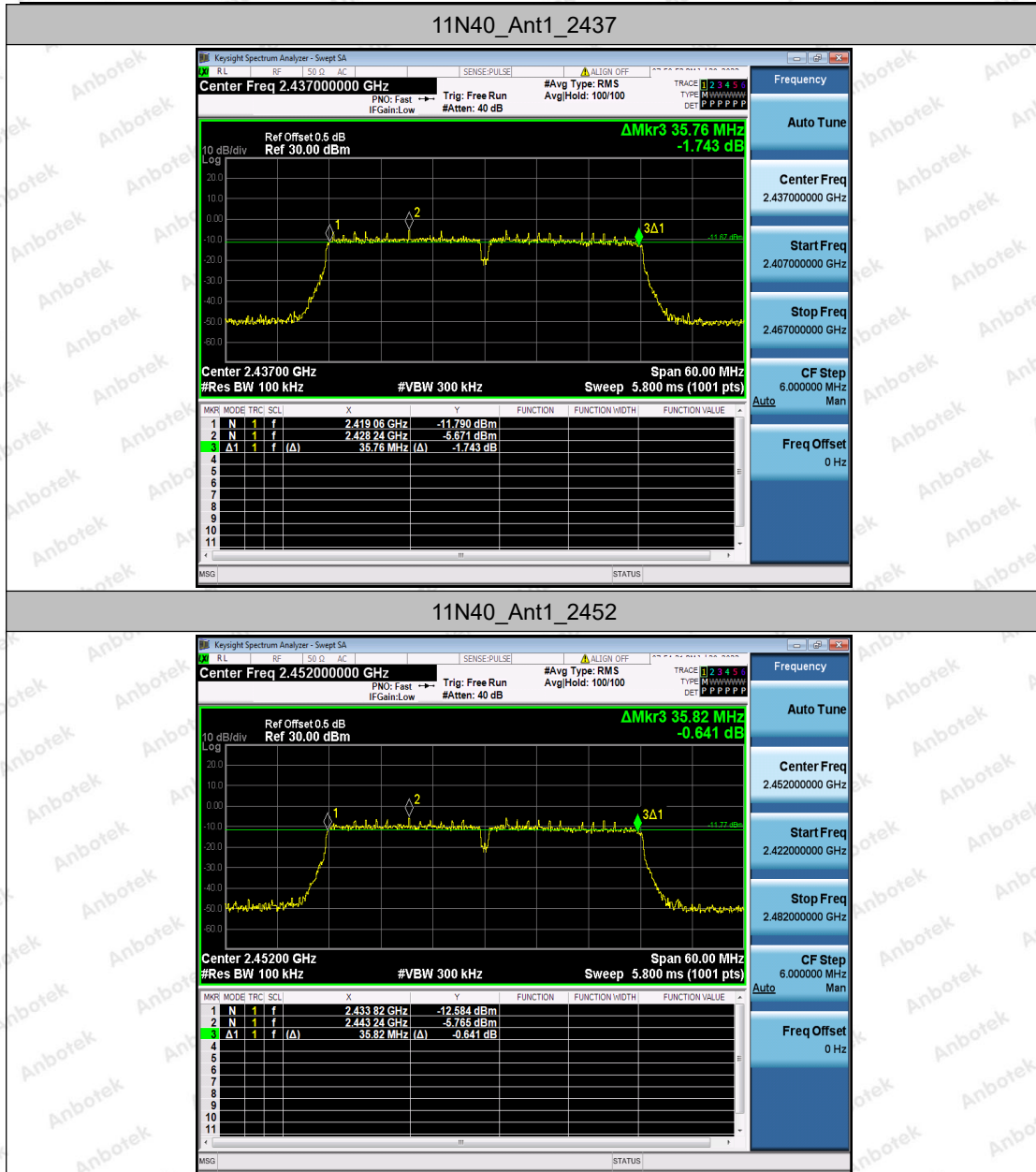


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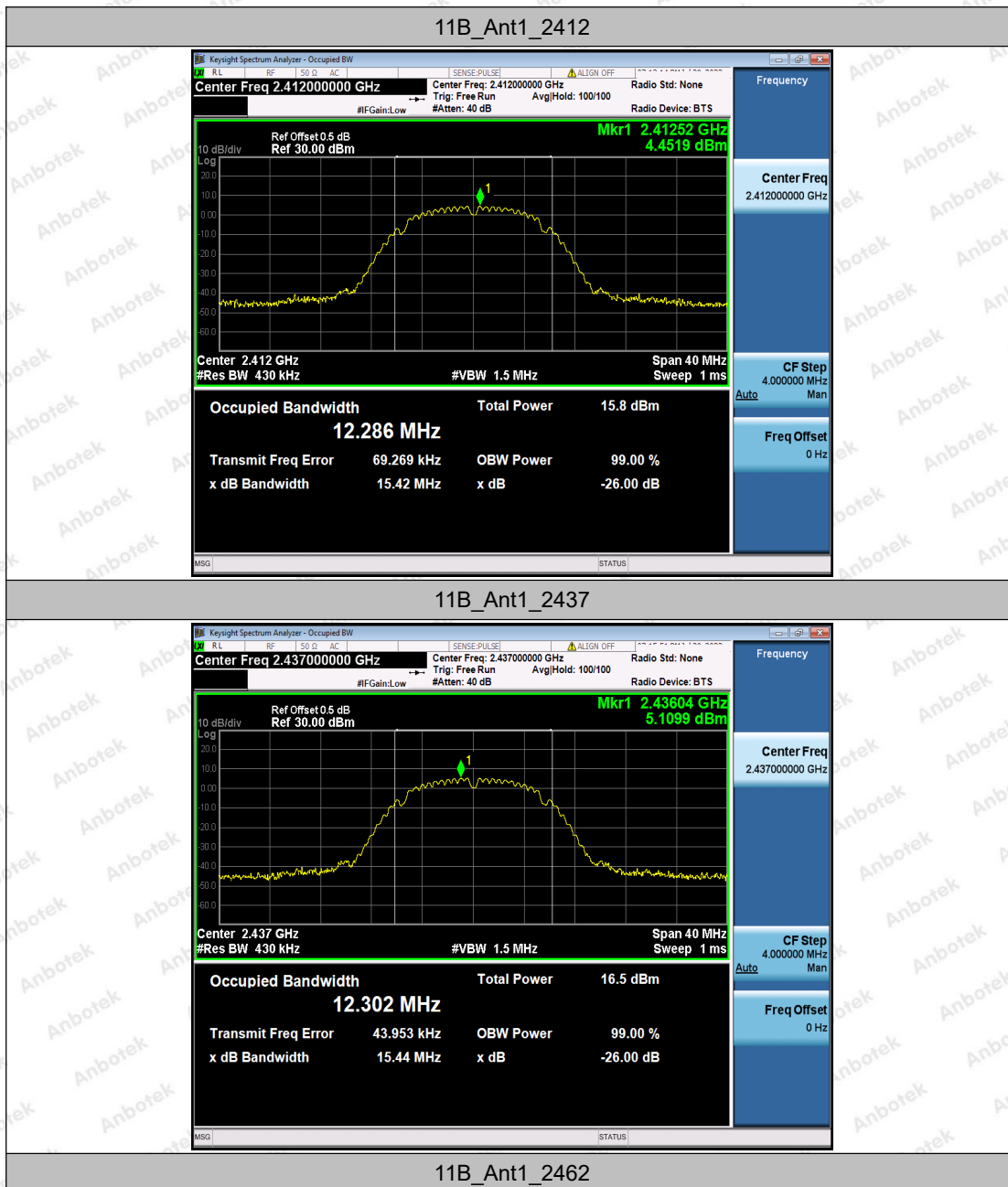
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.286	2405.926	2418.212	---	PASS
		2437	12.302	2430.893	2443.195	---	PASS
		2462	12.301	2455.886	2468.187	---	PASS
11G	Ant1	2412	17.144	2403.520	2420.664	---	PASS
		2437	17.098	2428.462	2445.560	---	PASS
		2462	17.103	2453.439	2470.542	---	PASS
11N20	Ant1	2412	18.004	2403.051	2421.055	---	PASS
		2437	17.994	2428.064	2446.058	---	PASS
		2462	17.969	2453.058	2471.027	---	PASS
11N40	Ant1	2422	36.108	2404.022	2440.130	---	PASS
		2437	36.165	2418.922	2455.087	---	PASS
		2452	36.163	2433.886	2470.049	---	PASS

Test Graphs



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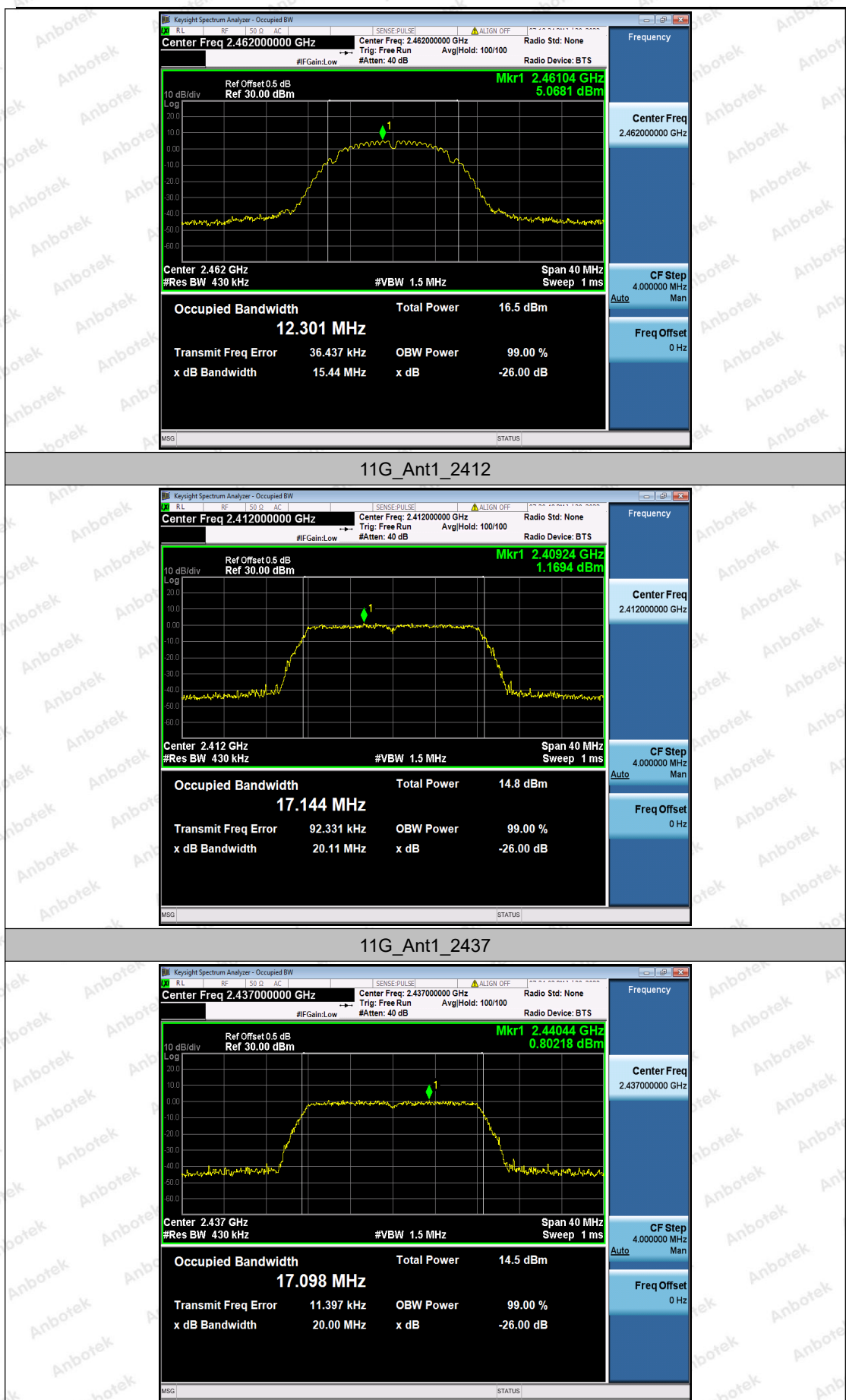
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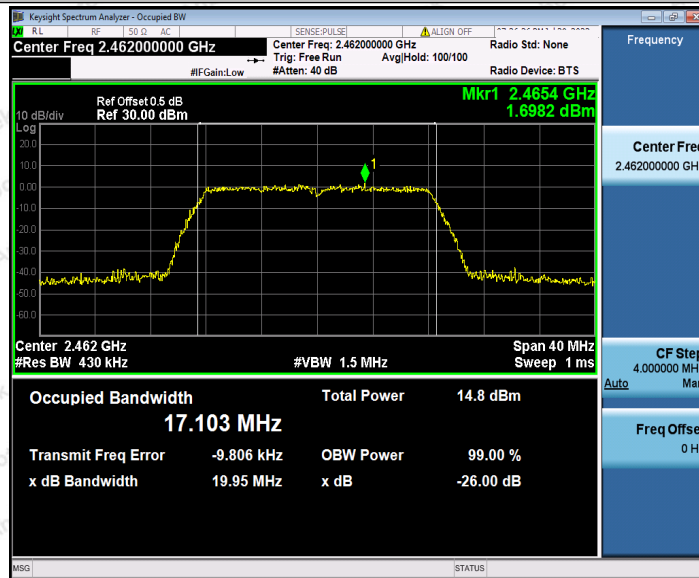


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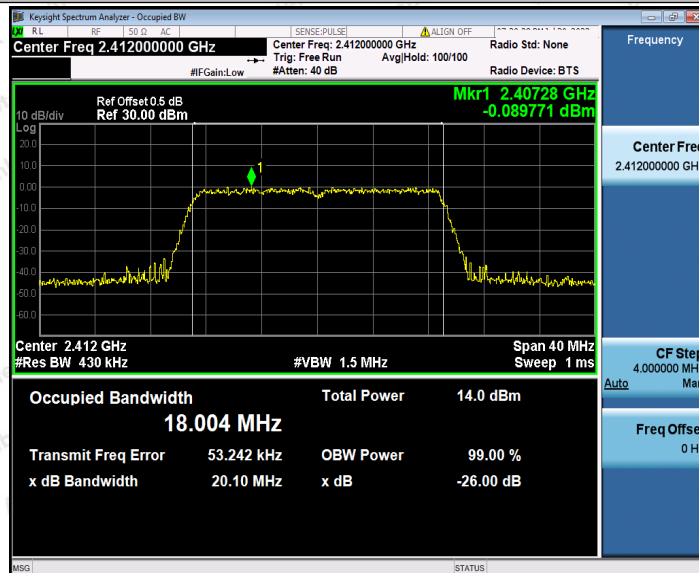
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11G_Ant1_2462



11N20_Ant1_2412



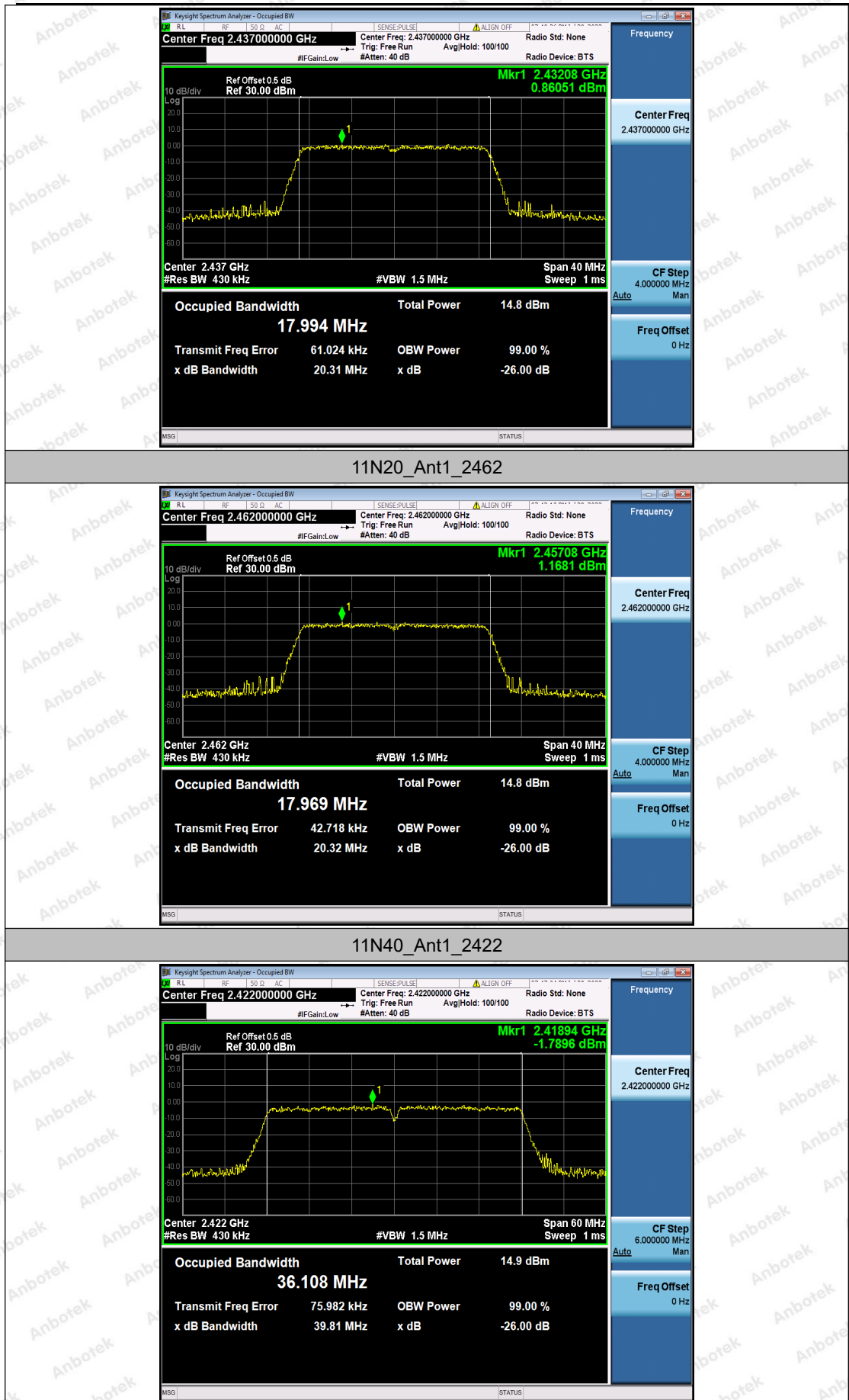
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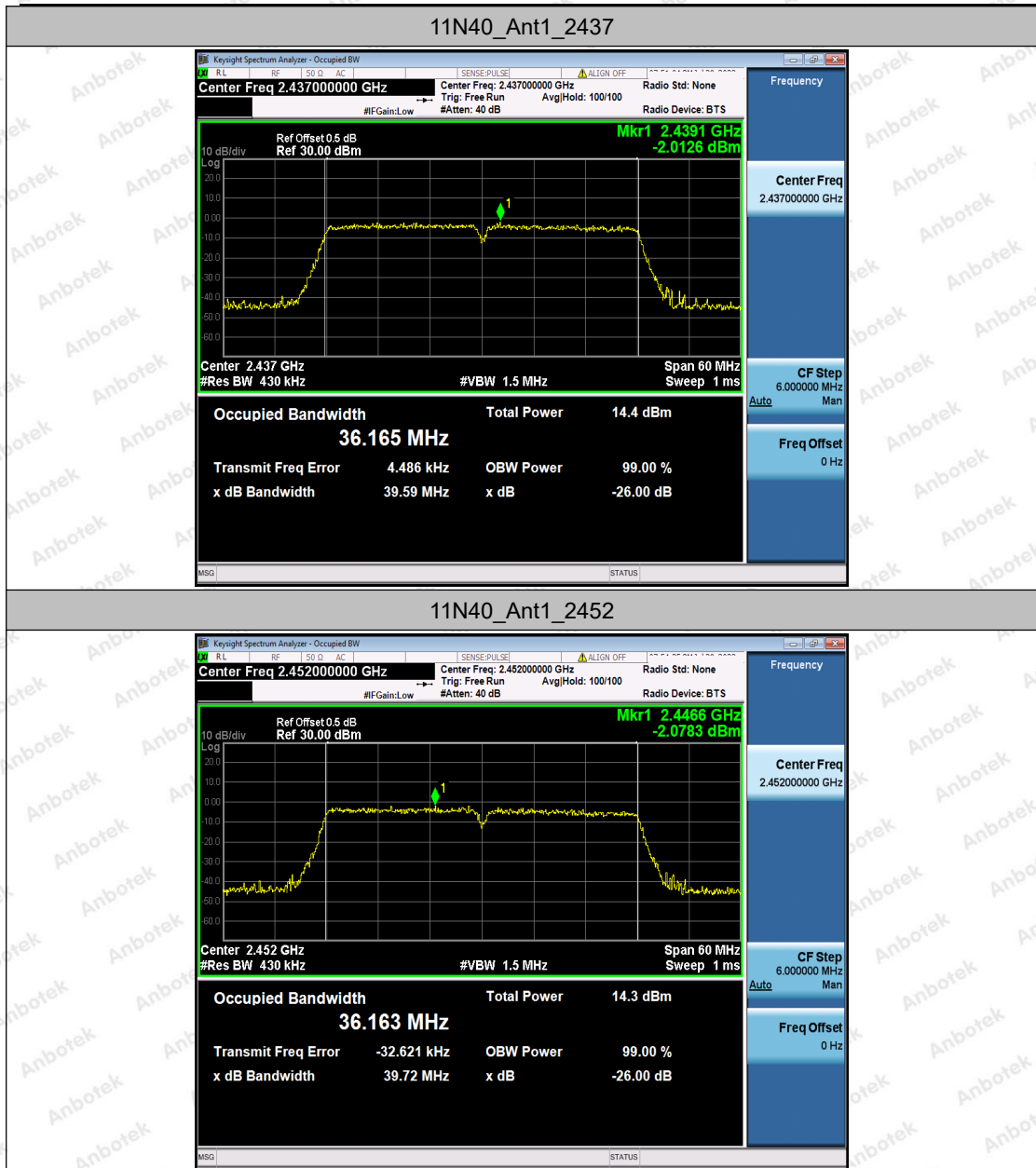


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Appendix C: Maximum conducted output power

Test Result

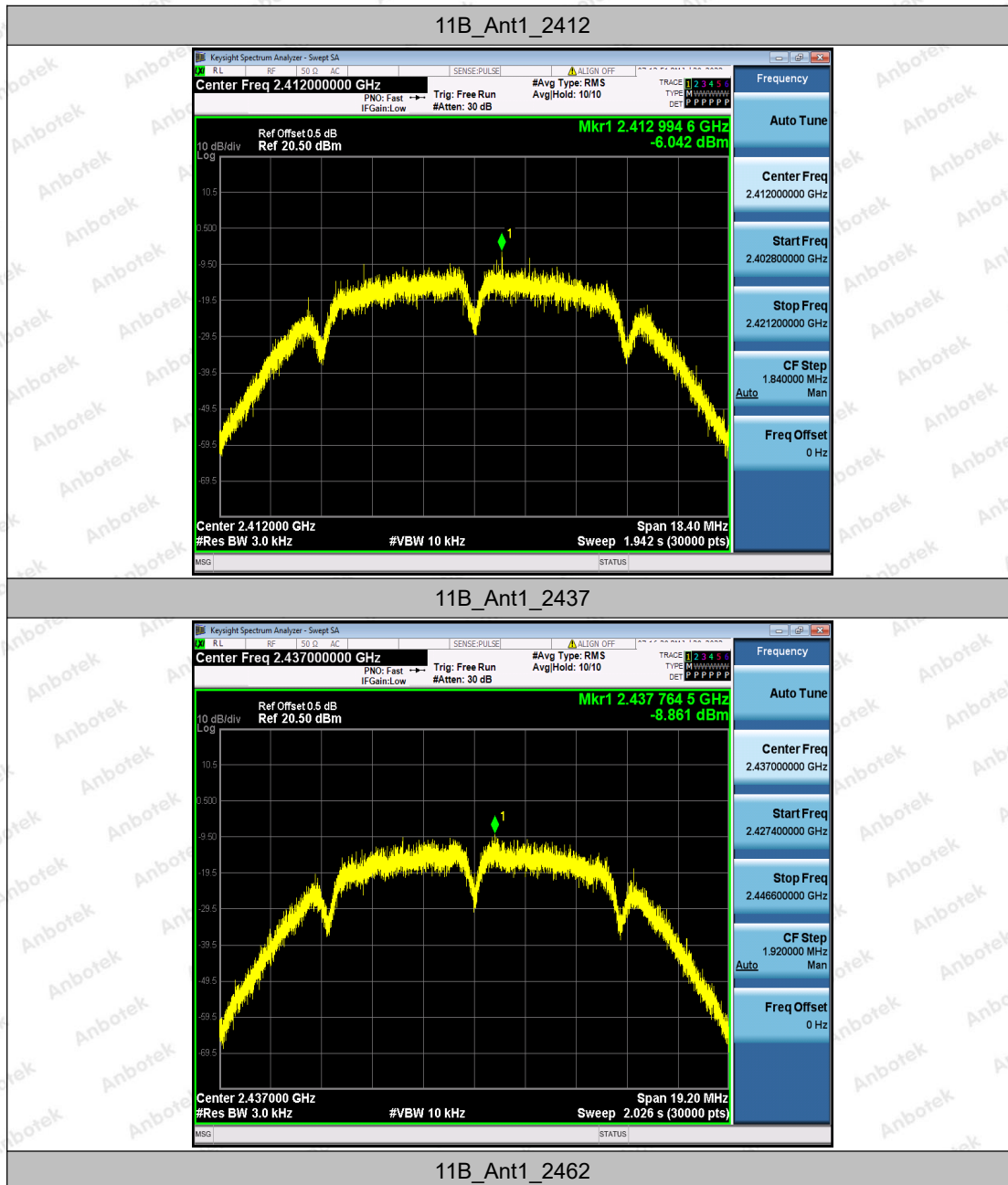
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.41	≤30	PASS
		2437	16.55	≤30	PASS
		2462	16.47	≤30	PASS
11G	Ant1	2412	15.91	≤30	PASS
		2437	15.65	≤30	PASS
		2462	15.83	≤30	PASS
11N20	Ant1	2412	15.30	≤30	PASS
		2437	16.04	≤30	PASS
		2462	16.20	≤30	PASS
11N40	Ant1	2422	13.53	≤30	PASS
		2437	13.08	≤30	PASS
		2452	12.91	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.04	≤8	PASS
		2437	-8.86	≤8	PASS
		2462	-8.3	≤8	PASS
11G	Ant1	2412	-16.35	≤8	PASS
		2437	-16.05	≤8	PASS
		2462	-16.78	≤8	PASS
11N20	Ant1	2412	-17.63	≤8	PASS
		2437	-16.07	≤8	PASS
		2462	-16.19	≤8	PASS
11N40	Ant1	2422	-19.21	≤8	PASS
		2437	-18.89	≤8	PASS
		2452	-19.35	≤8	PASS

Test Graphs

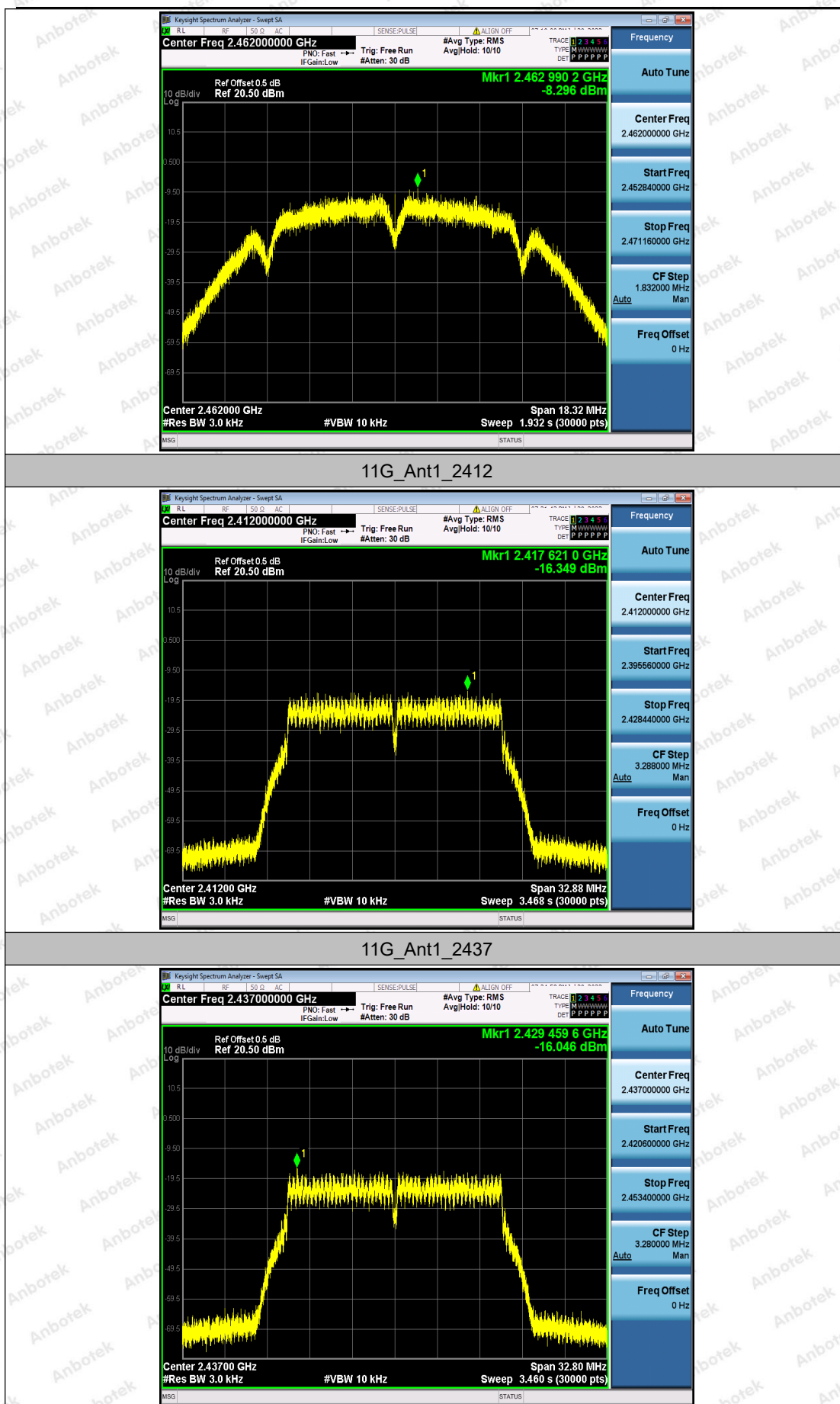


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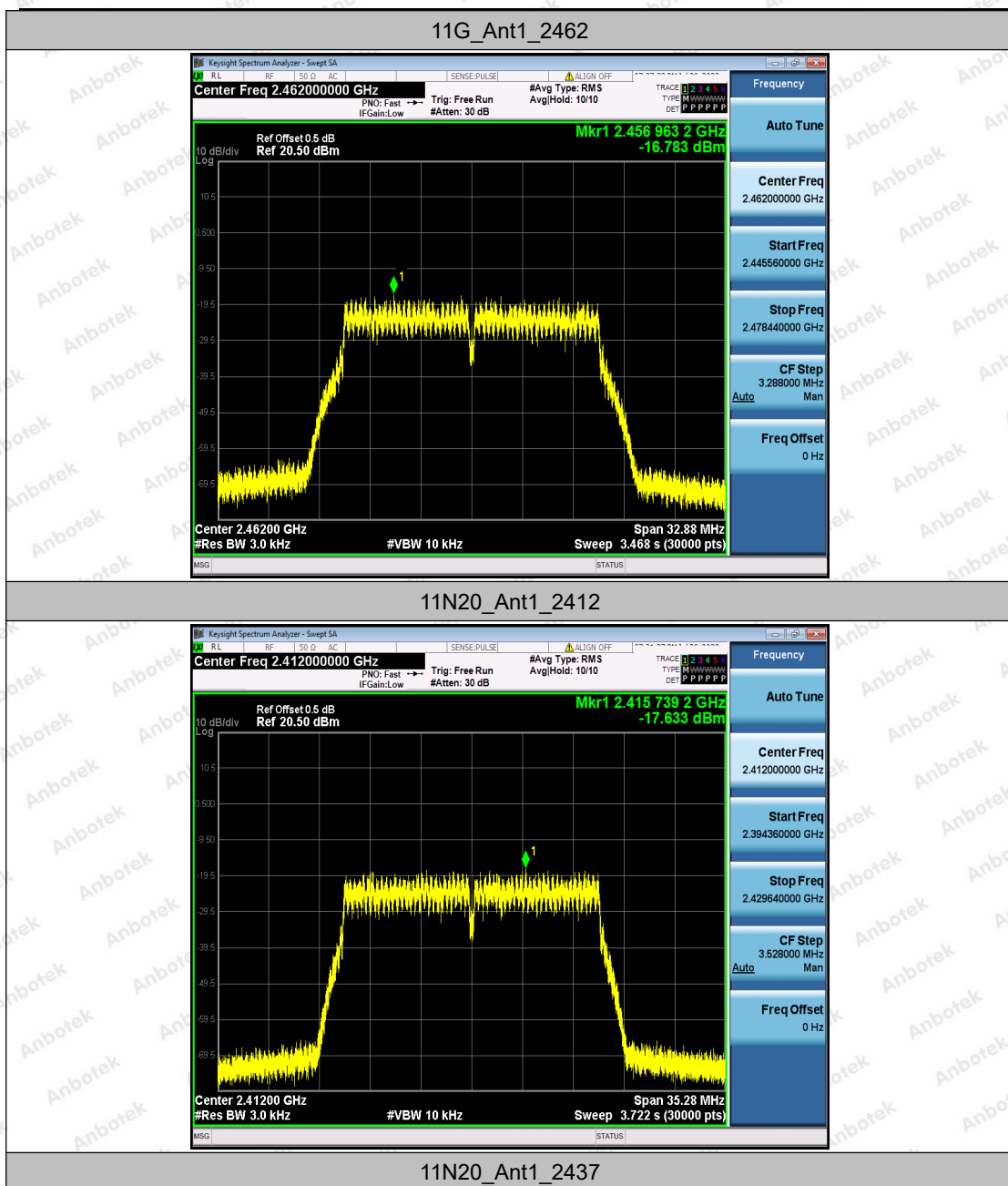


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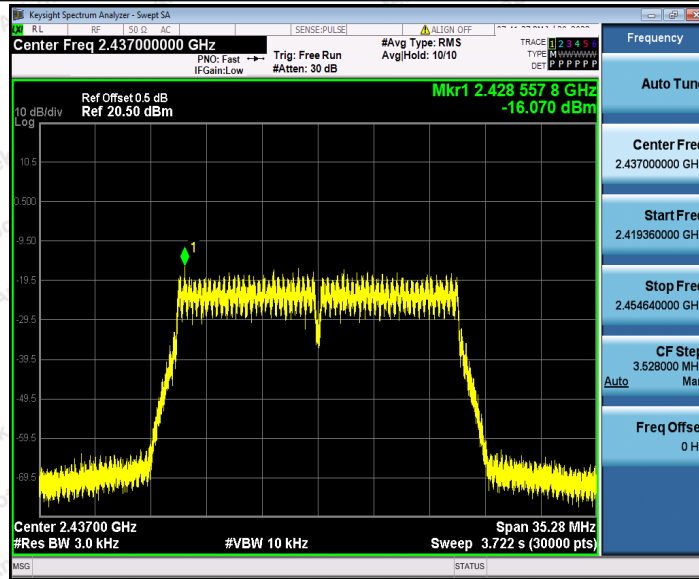


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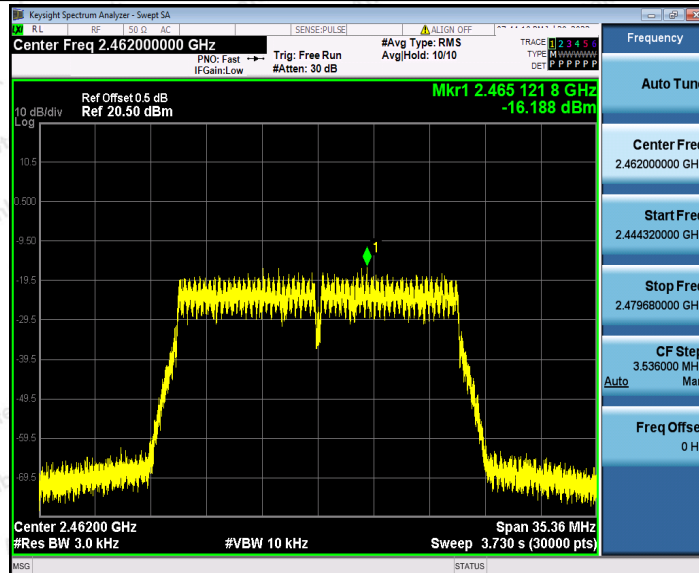
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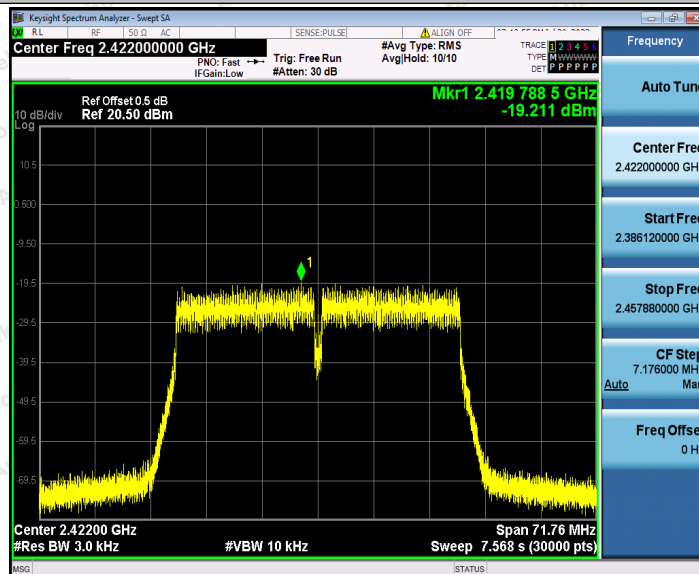
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11N20_Ant1_2462



11N40_Ant1_2422

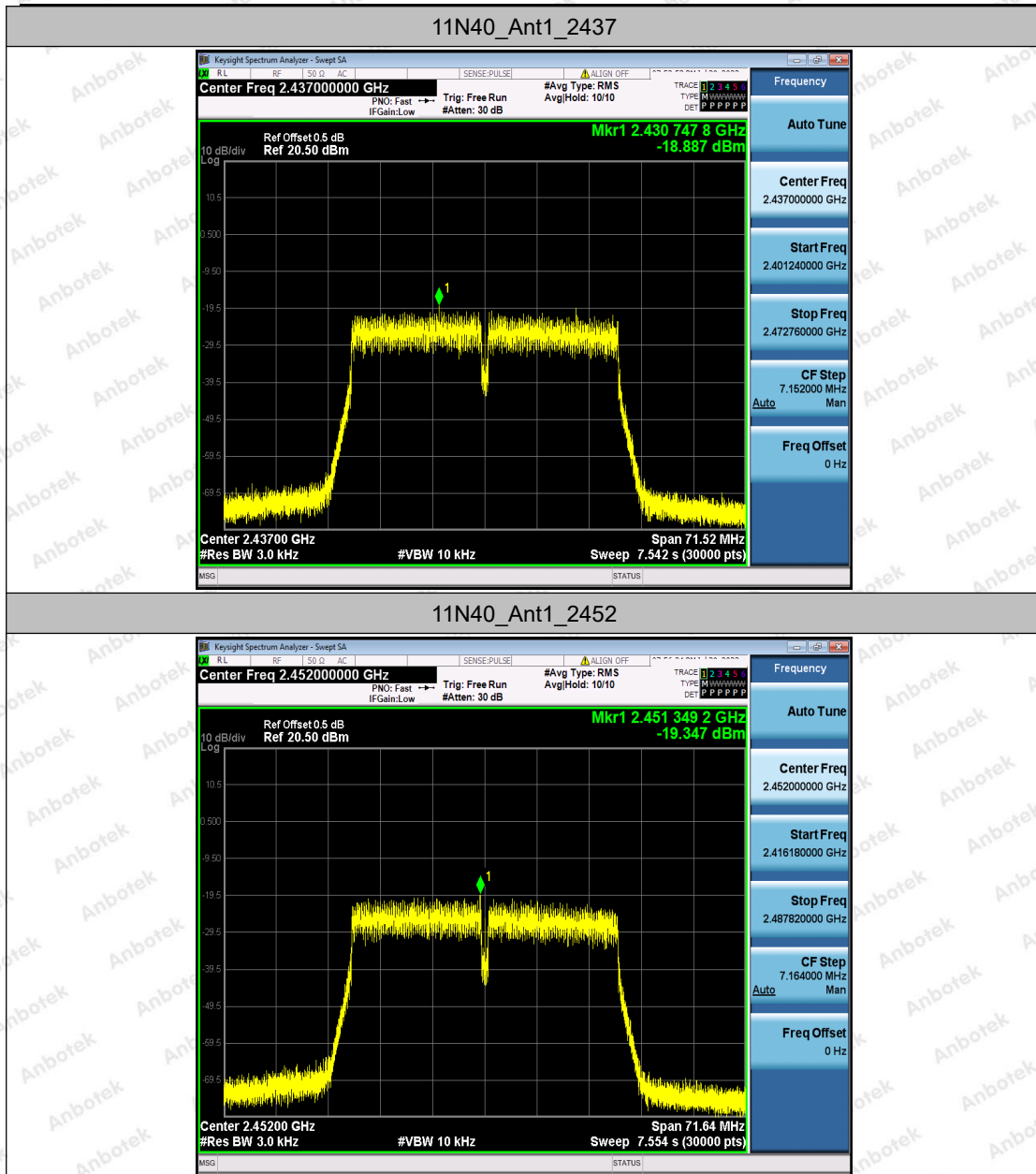


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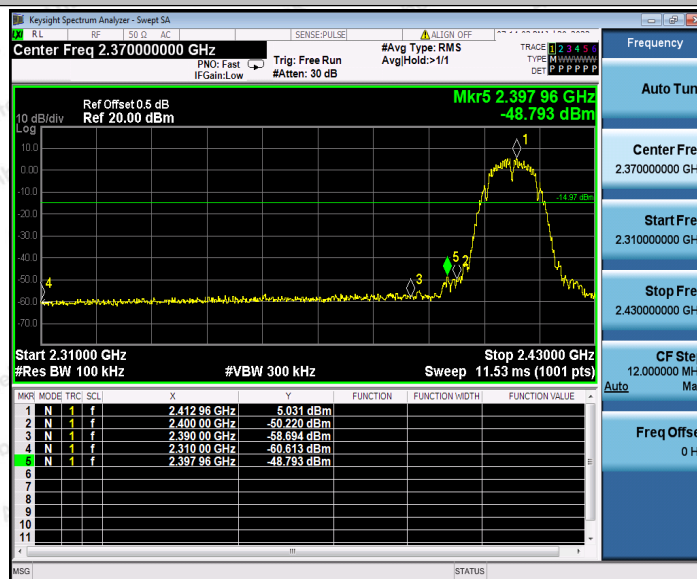
Appendix E: Band edge measurements

Test Result

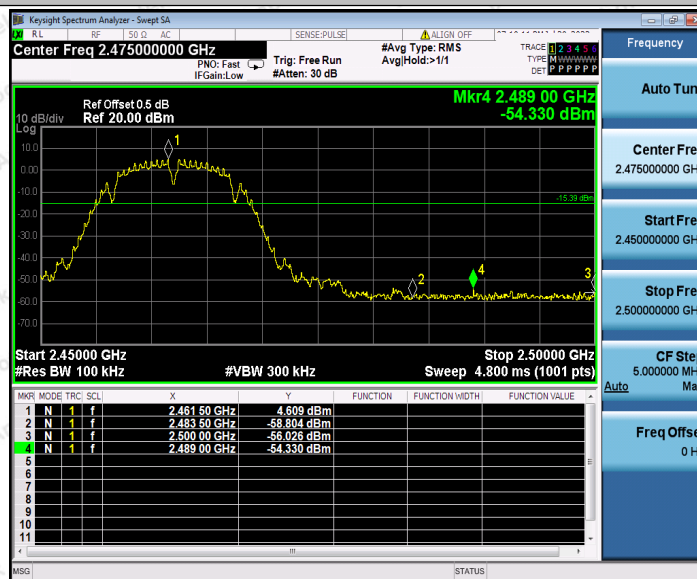
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.03	-48.79	≤-14.97	PASS
		High	2462	4.61	-54.33	≤-15.39	PASS
11G	Ant1	Low	2412	-2.20	-48	≤-22.2	PASS
		High	2462	-2.73	-54.42	≤-22.73	PASS
11N20	Ant1	Low	2412	-2.71	-45.48	≤-22.71	PASS
		High	2462	-2.55	-53.3	≤-22.55	PASS
11N40	Ant1	Low	2422	-5.20	-47.51	≤-25.2	PASS
		High	2452	-5.46	-53.35	≤-25.46	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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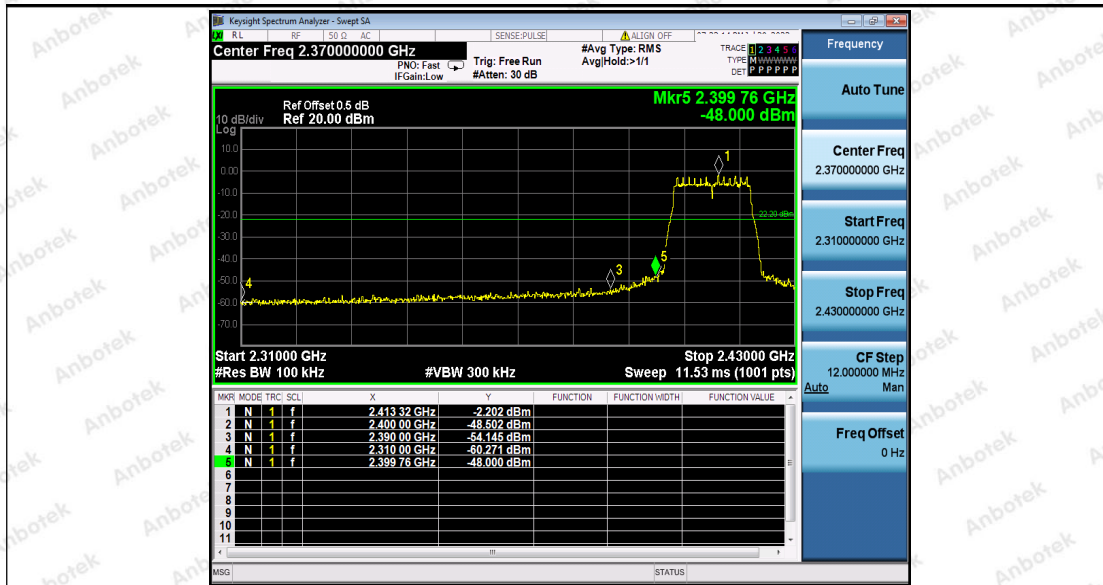
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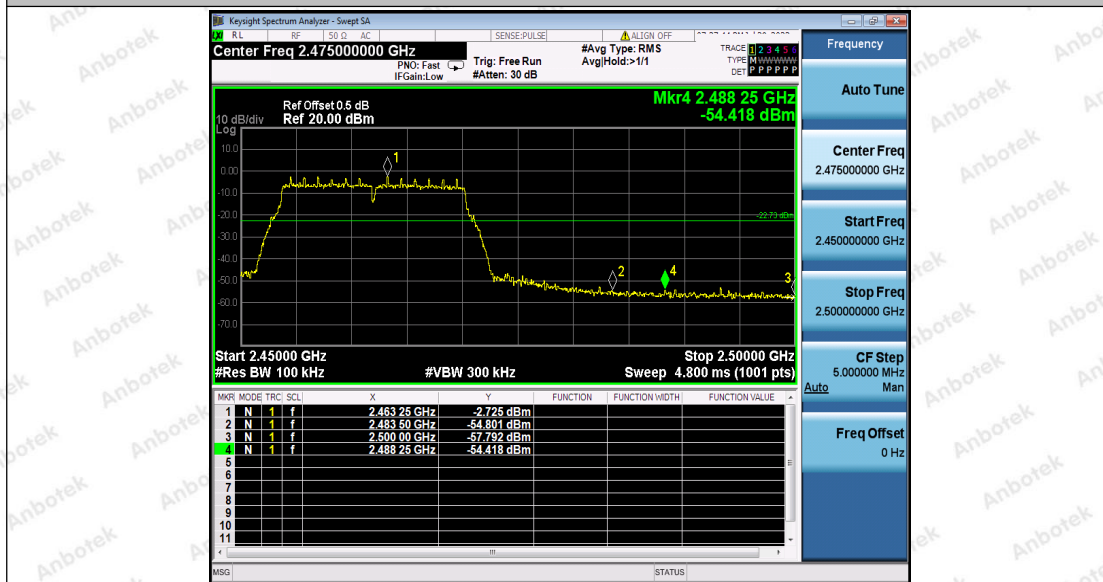
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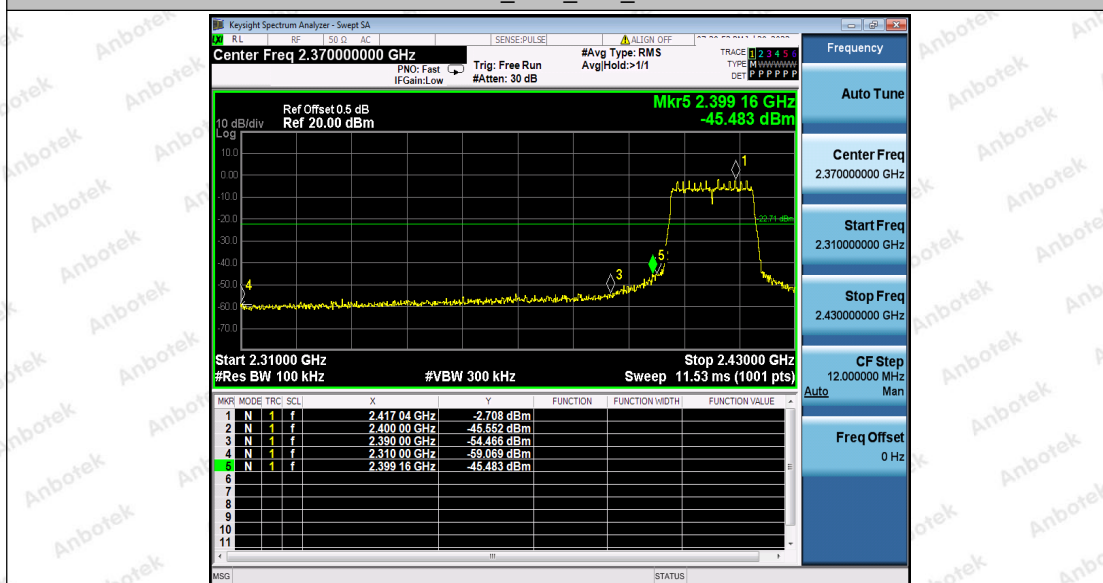
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11G_Ant1_High_2462



11N20_Ant1_Low_2412



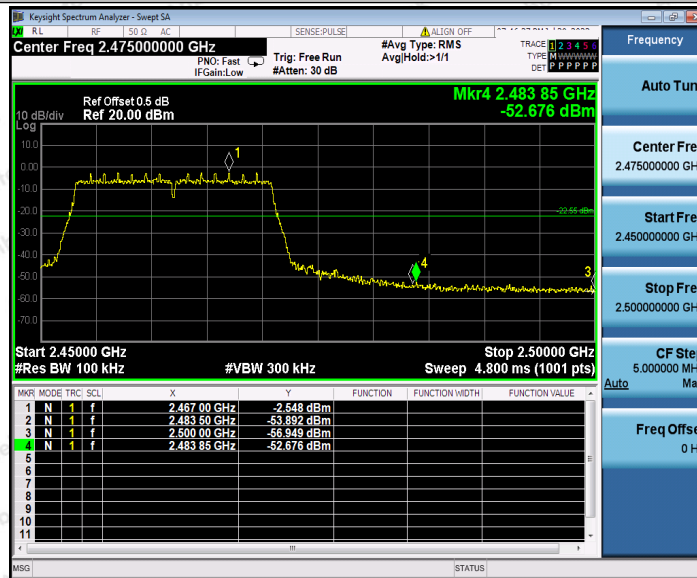
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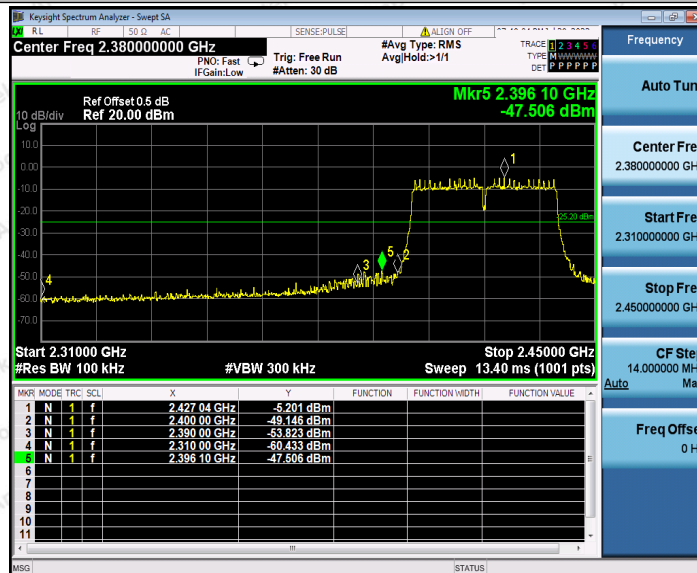
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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



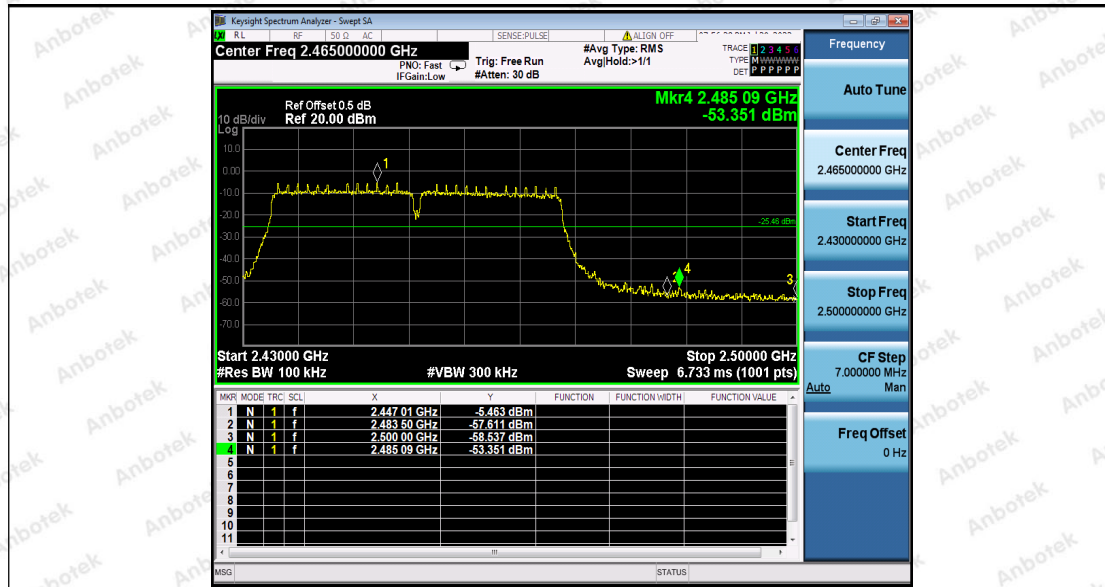
11N40_Ant1_High_2452

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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-69.32	≤-14.95	PASS
			1000~26500	5.05	-53.62	≤-14.95	PASS
		2437	Reference	4.80	4.80	---	PASS
			30~1000	4.80	-69.12	≤-15.2	PASS
			1000~26500	4.80	-54	≤-15.2	PASS
		2462	Reference	4.81	4.81	---	PASS
			30~1000	4.81	-69.38	≤-15.19	PASS
			1000~26500	4.81	-54.02	≤-15.19	PASS
11G	Ant1	2412	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-69.37	≤-22.79	PASS
			1000~26500	-2.79	-54.14	≤-22.79	PASS
		2437	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-62.71	≤-22.61	PASS
			1000~26500	-2.61	-54.07	≤-22.61	PASS
		2462	Reference	-2.76	-2.76	---	PASS
			30~1000	-2.76	-69.44	≤-22.76	PASS
			1000~26500	-2.76	-53.66	≤-22.76	PASS
11N20	Ant1	2412	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-69.52	≤-22.89	PASS
			1000~26500	-2.89	-53.04	≤-22.89	PASS
		2437	Reference	-2.55	-2.55	---	PASS
			30~1000	-2.55	-69.73	≤-22.55	PASS
			1000~26500	-2.55	-53.96	≤-22.55	PASS
		2462	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-70.18	≤-22.94	PASS
			1000~26500	-2.94	-53.77	≤-22.94	PASS
11N40	Ant1	2422	Reference	-5.42	-5.42	---	PASS
			30~1000	-5.42	-69.33	≤-25.42	PASS
			1000~26500	-5.42	-54.2	≤-25.42	PASS
		2437	Reference	-5.64	-5.64	---	PASS
			30~1000	-5.64	-70.02	≤-25.64	PASS
			1000~26500	-5.64	-53.55	≤-25.64	PASS
		2452	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-69.47	≤-25.87	PASS
			1000~26500	-5.87	-54.17	≤-25.87	PASS

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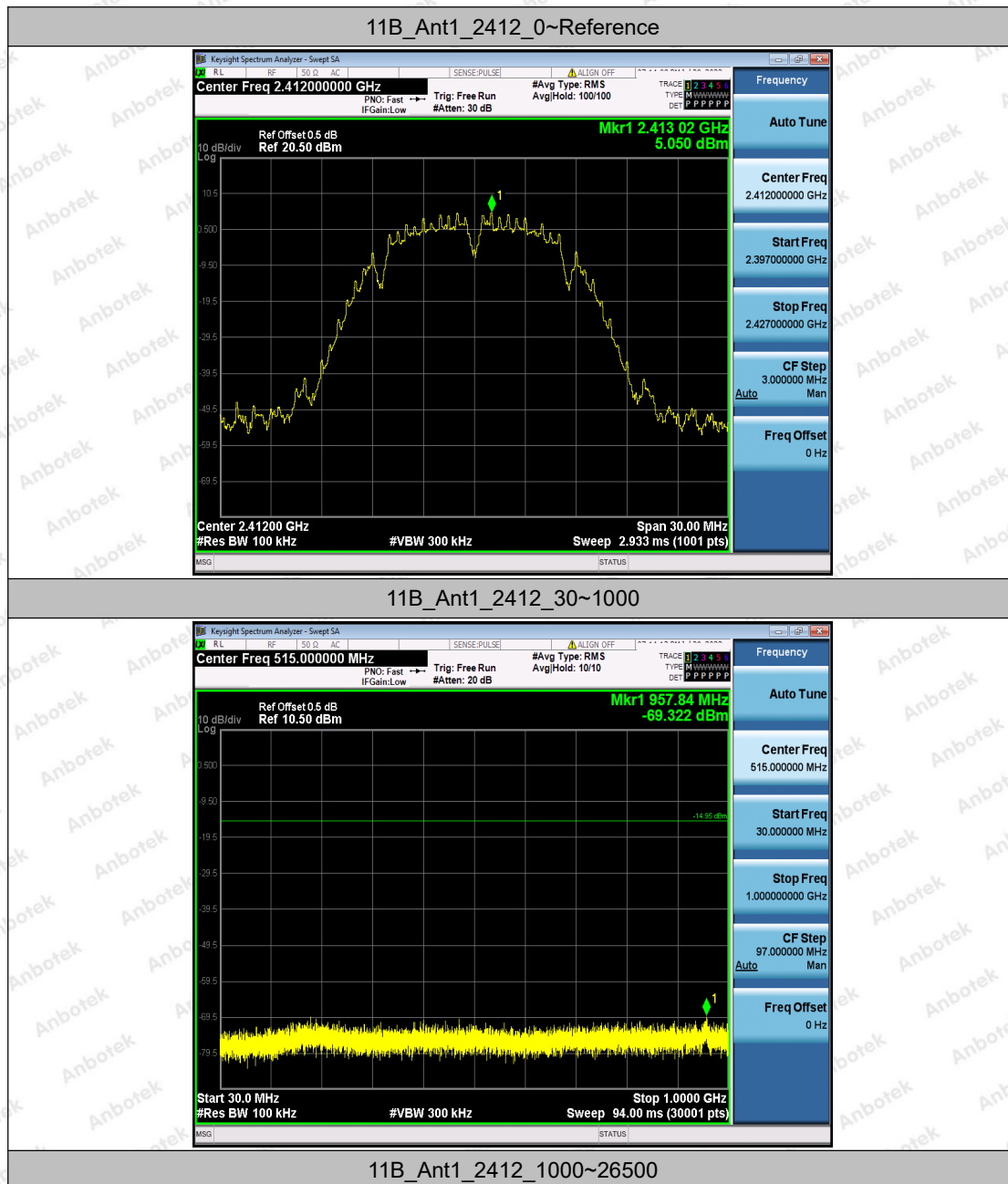


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Test Graphs



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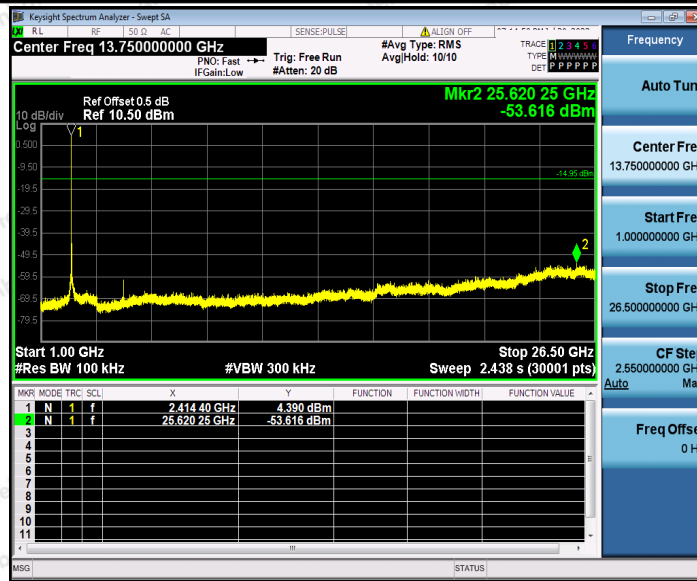
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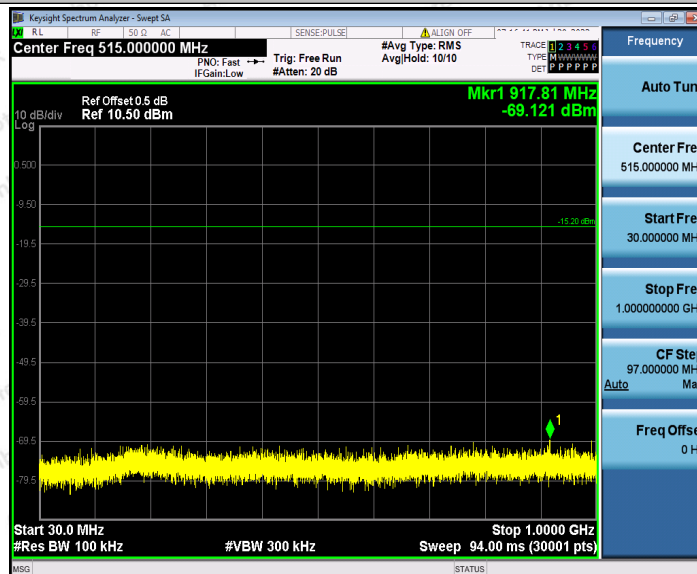
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



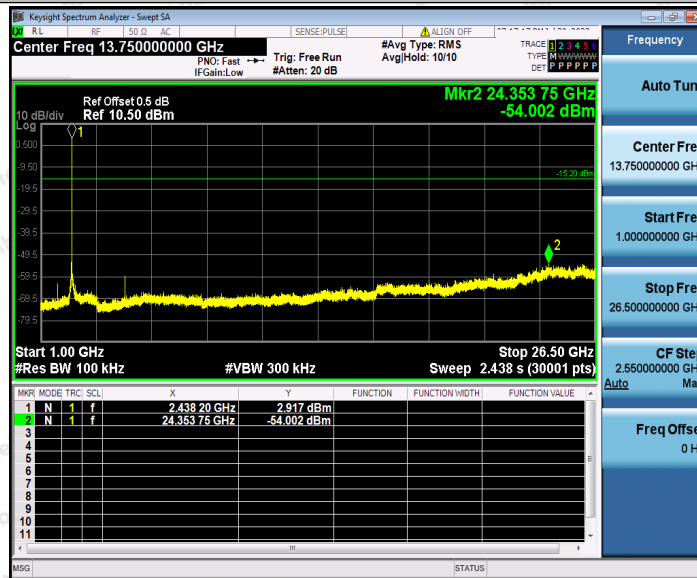
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



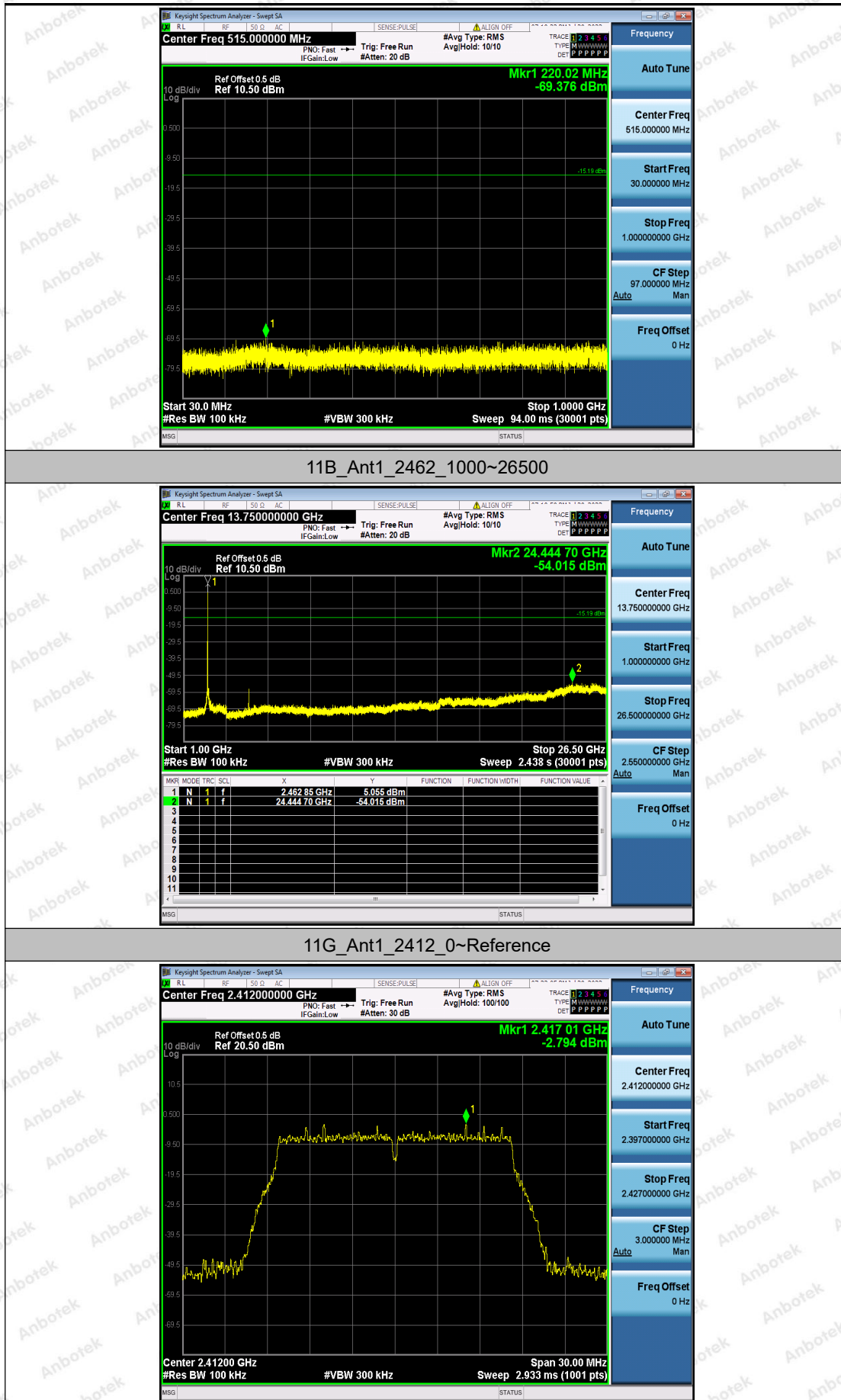
11B_Ant1_2462_30~1000

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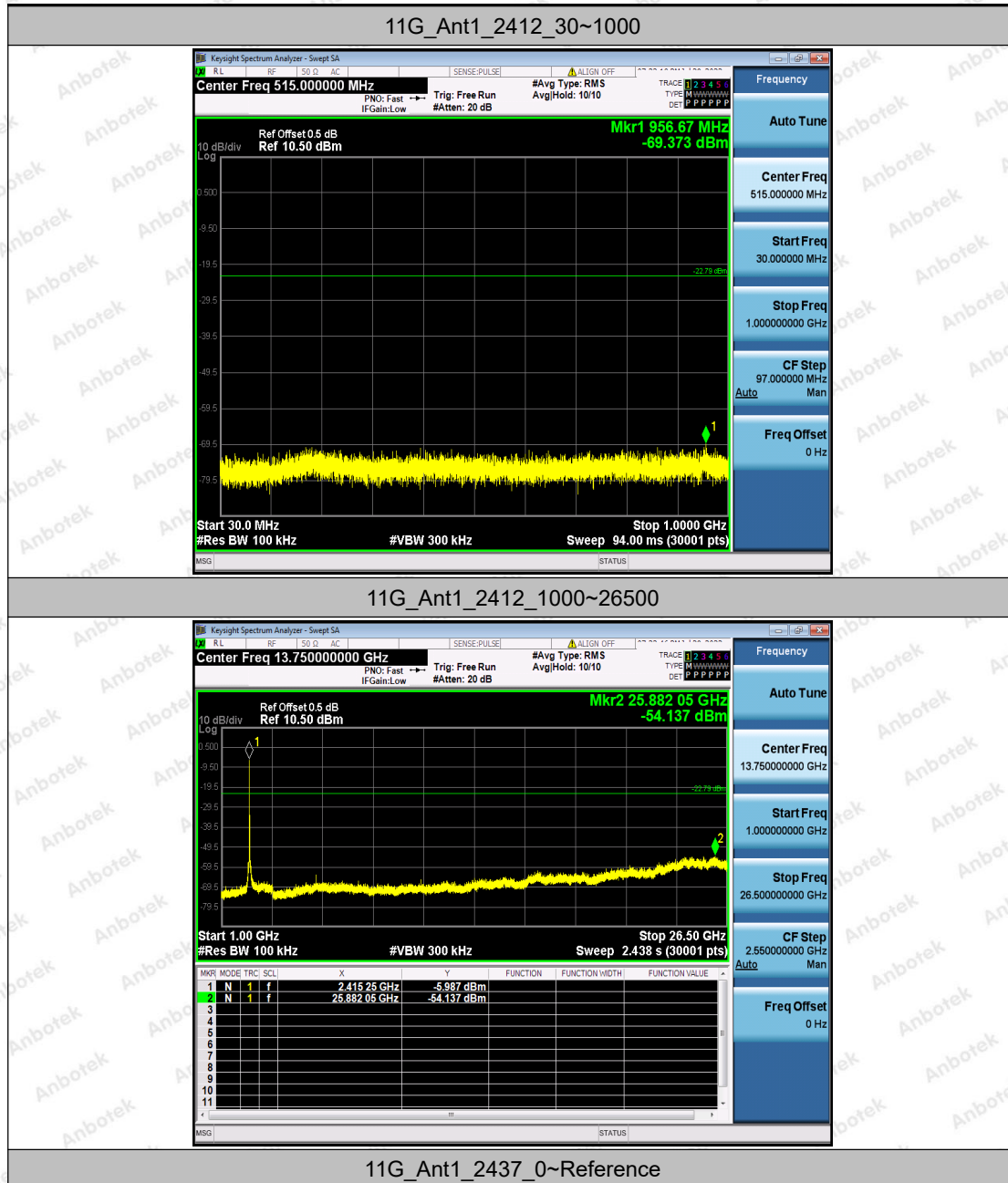


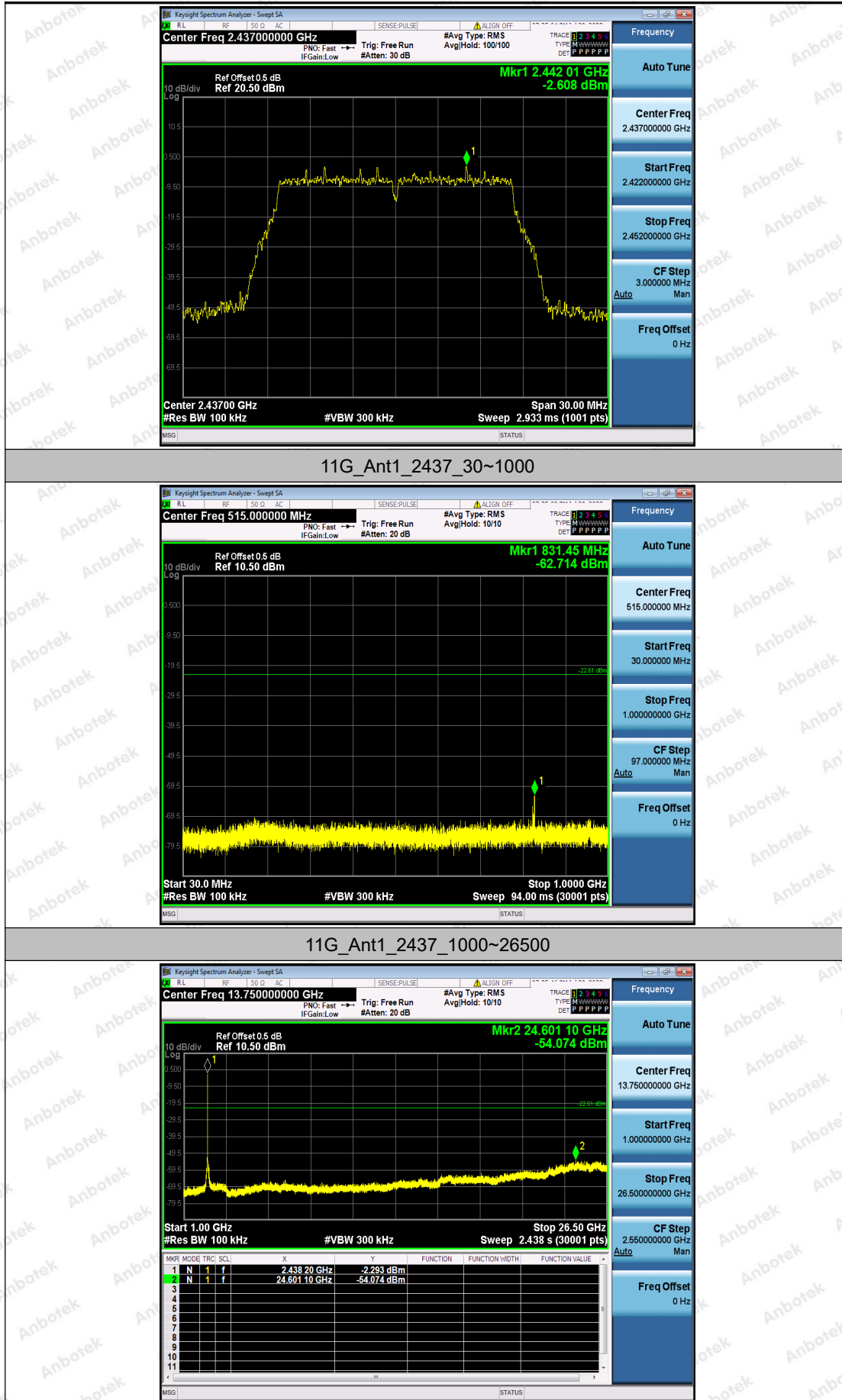
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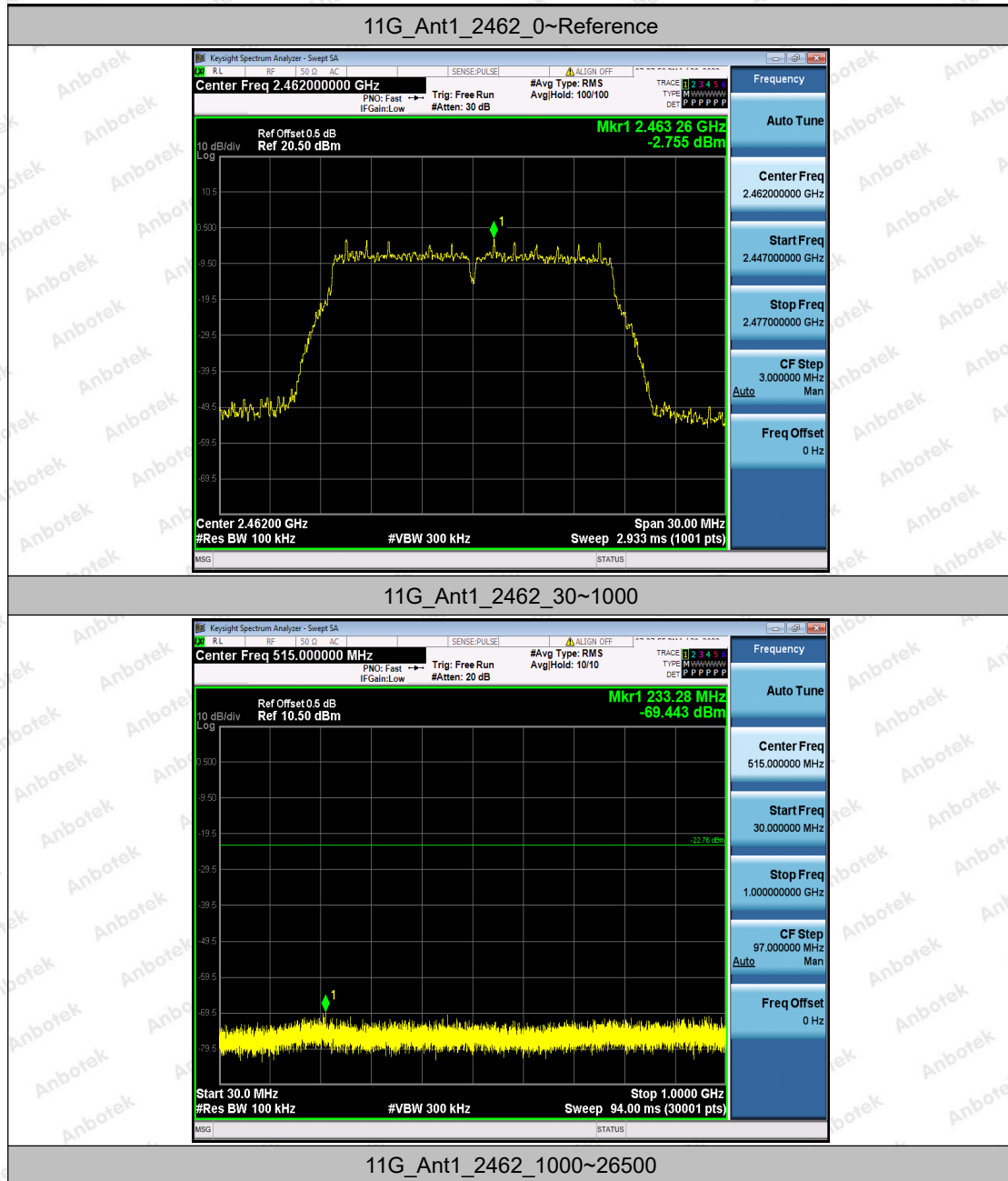


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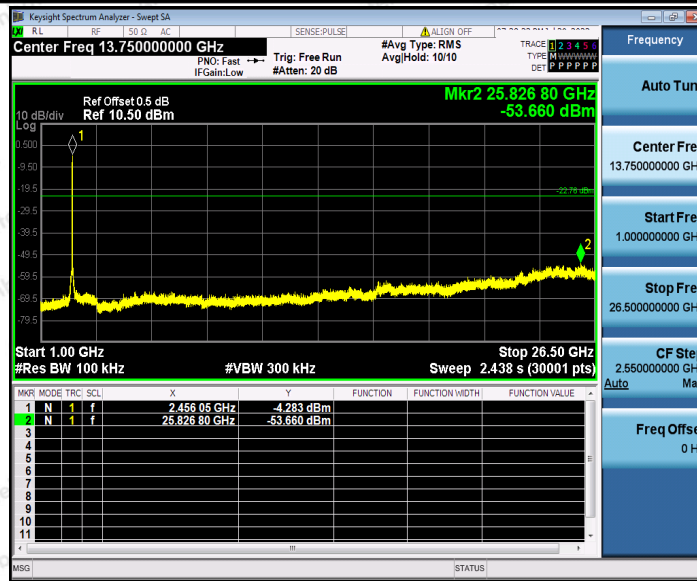


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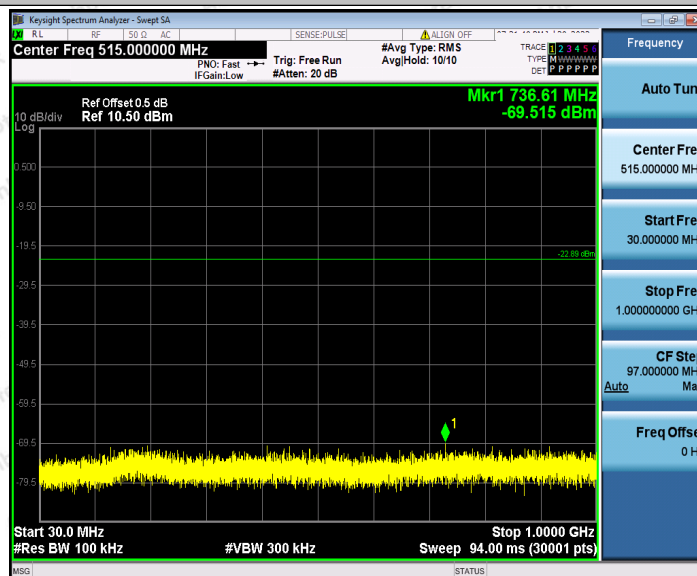
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11N20_Ant1_2412_0~Reference



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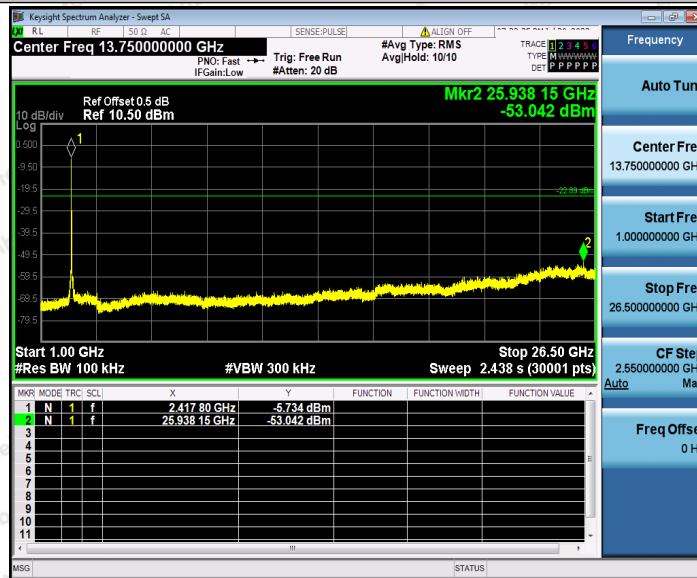
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11N20_Ant1_2412_1000~26500



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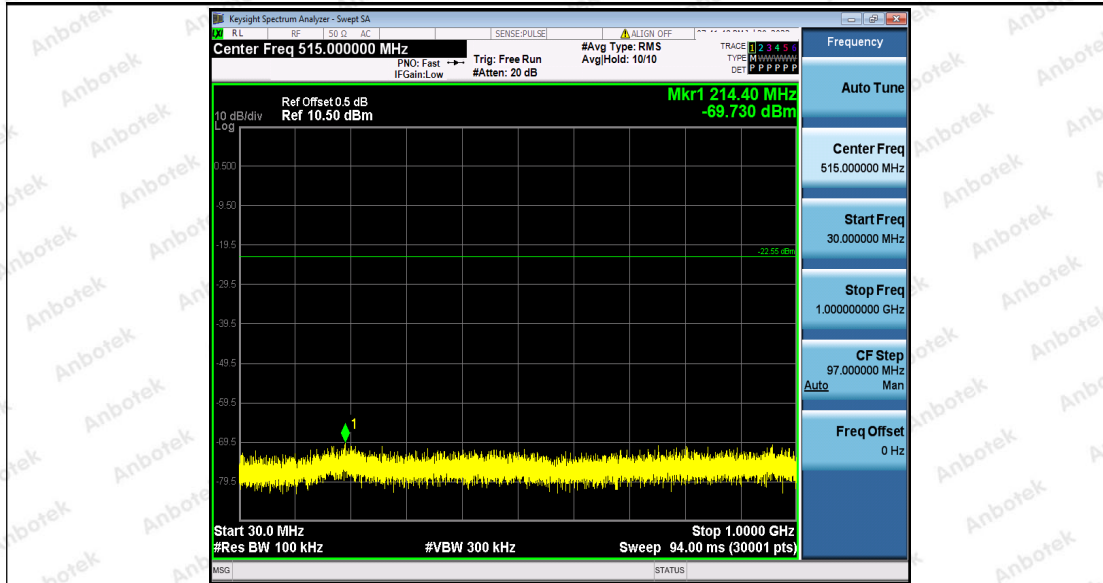
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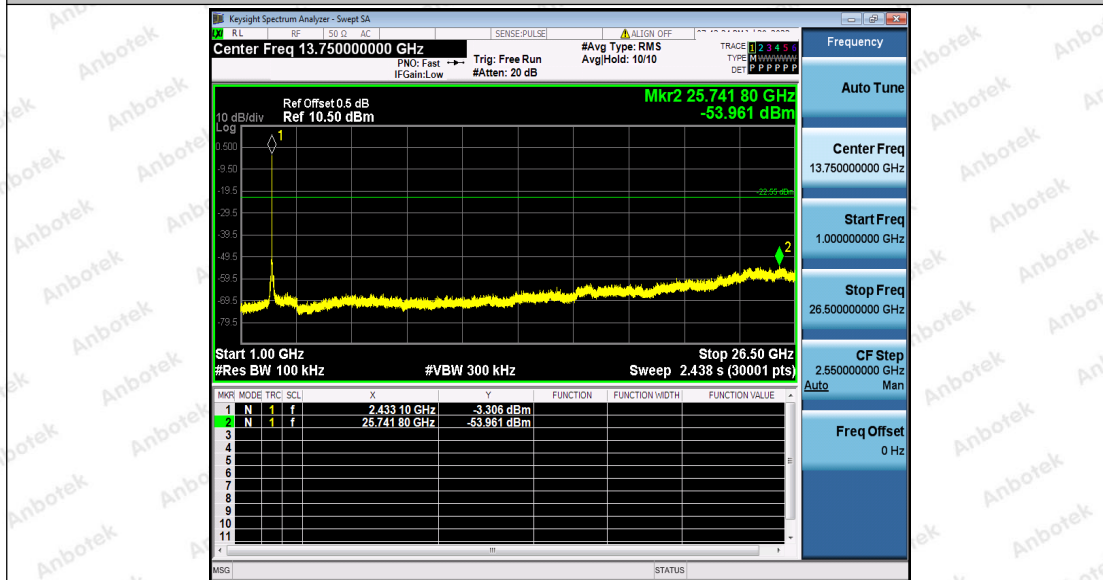
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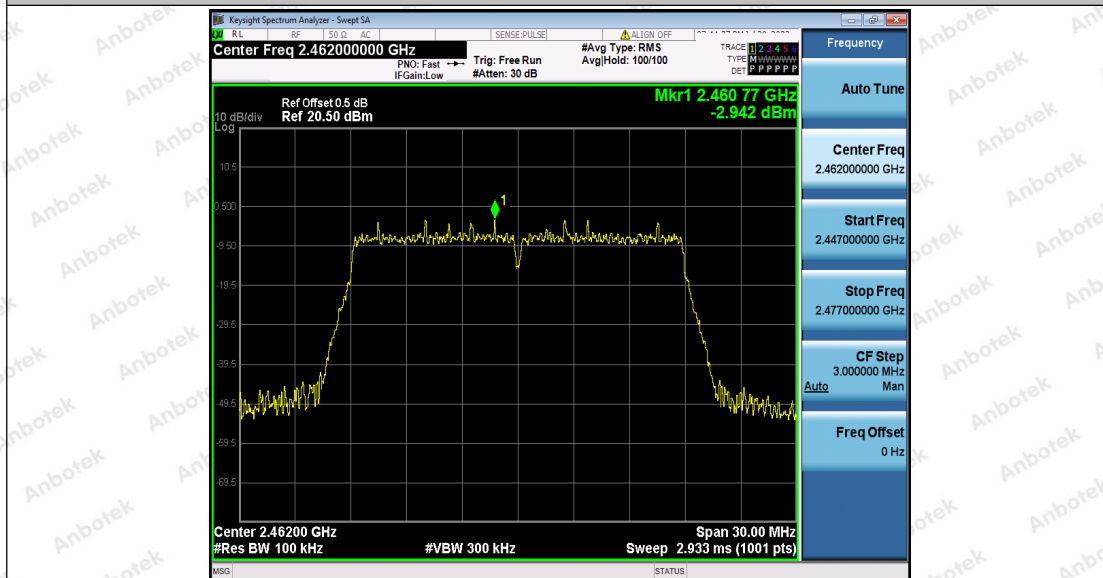
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11N20_Ant1_2437_1000~26500



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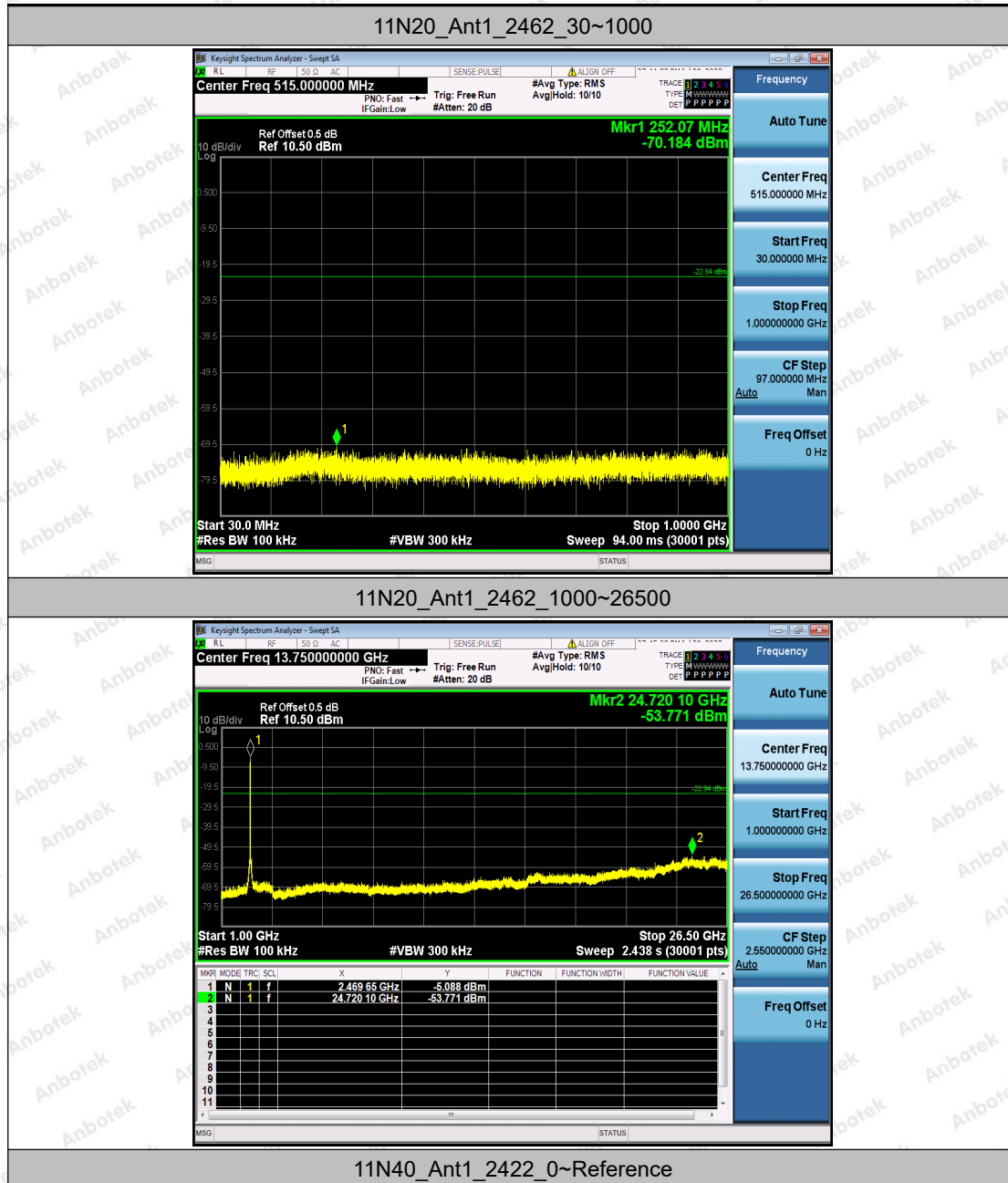


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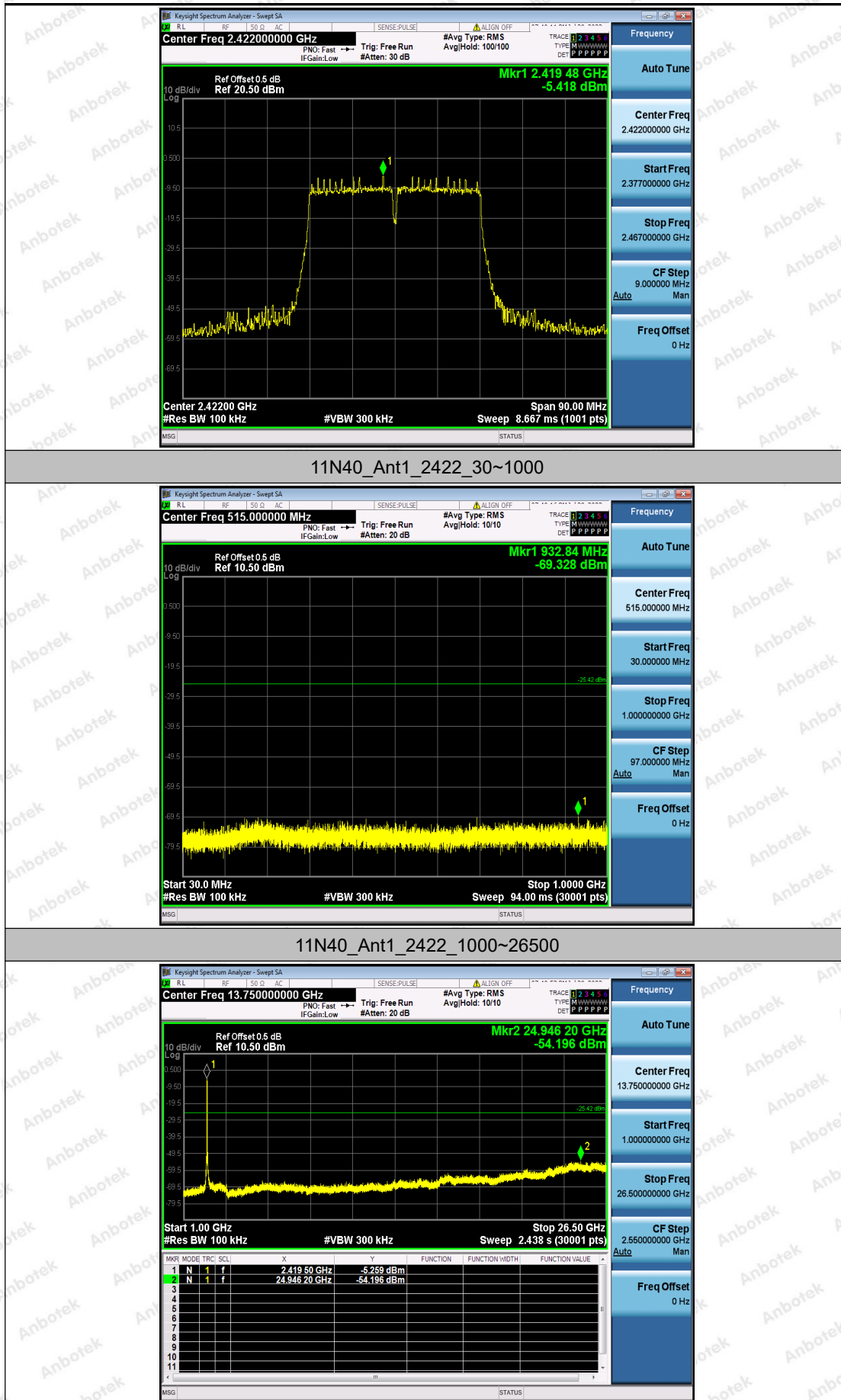
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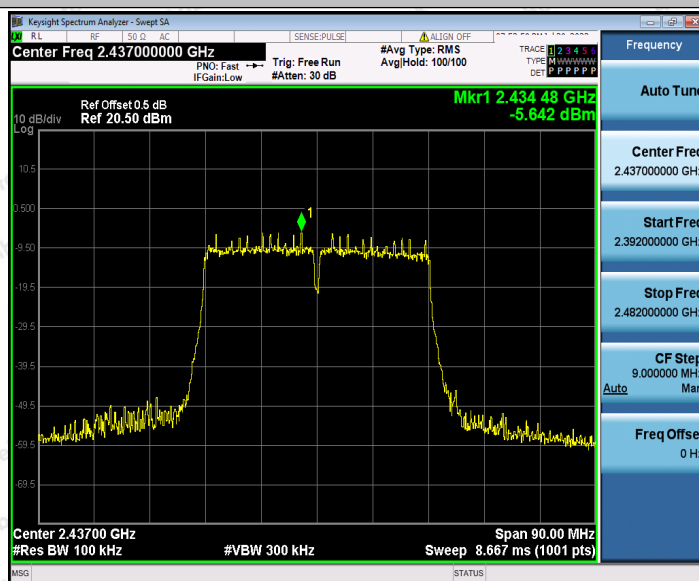
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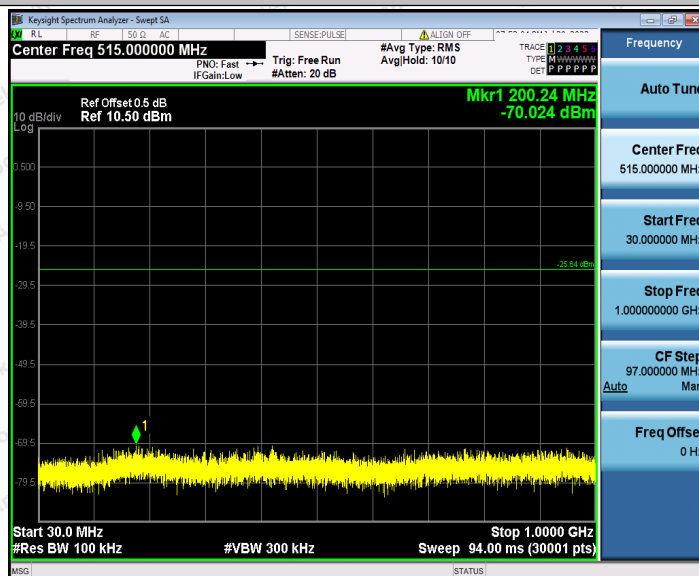
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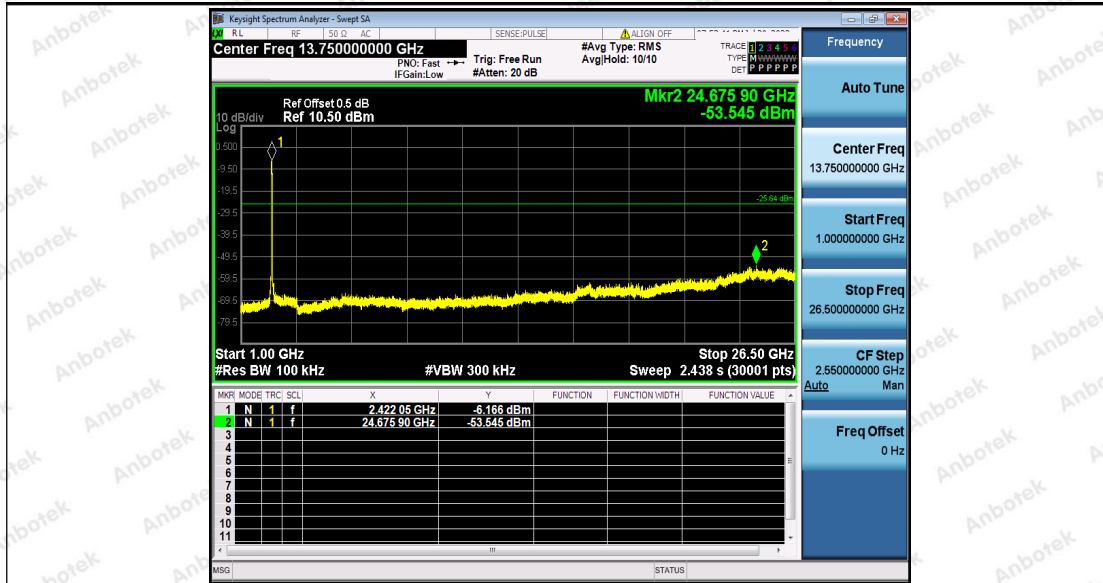
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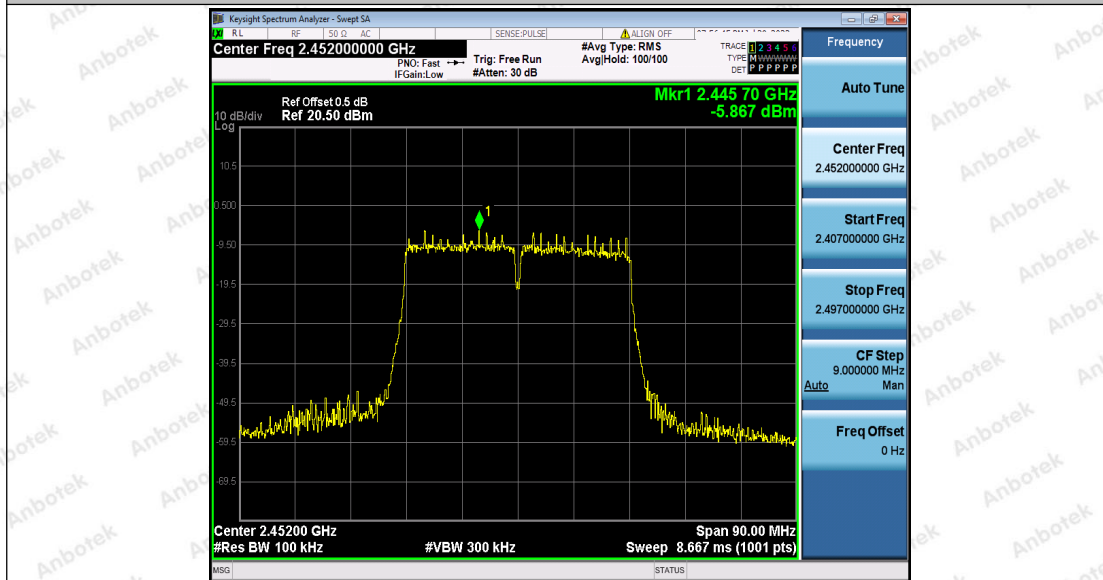
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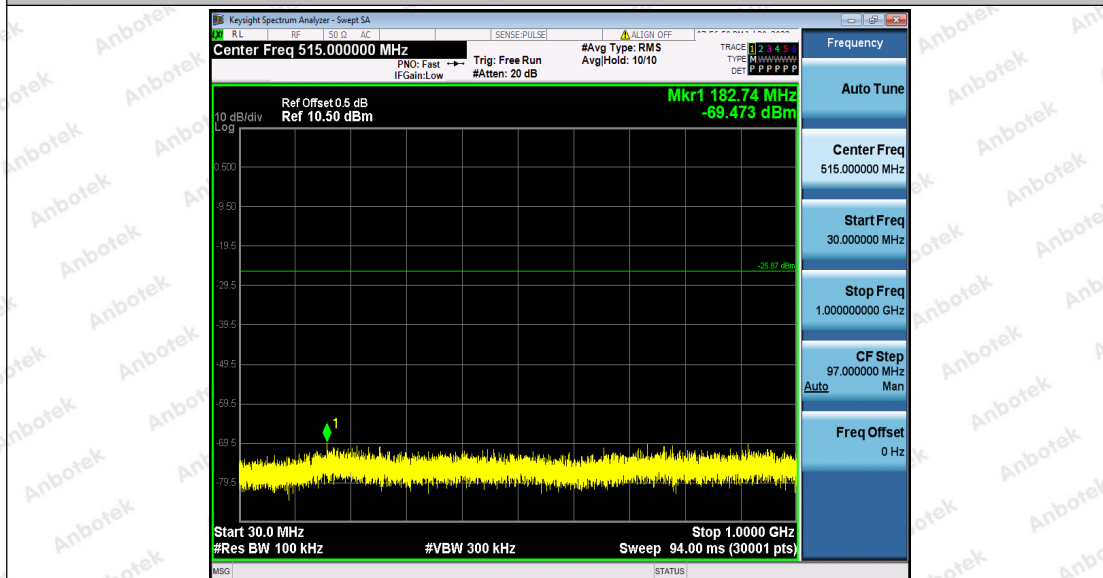
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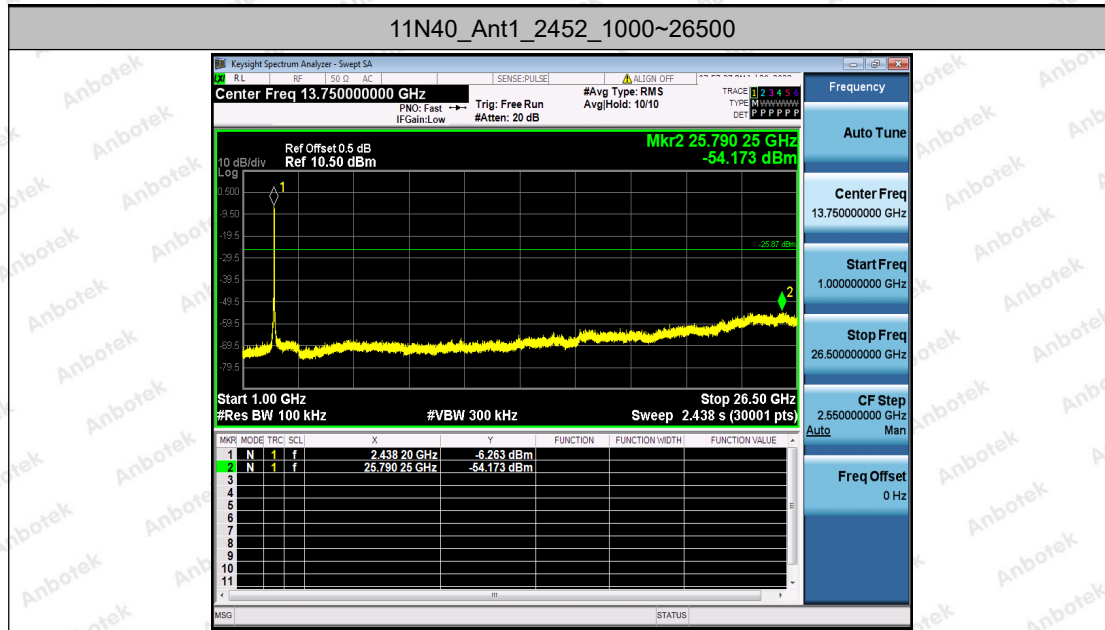


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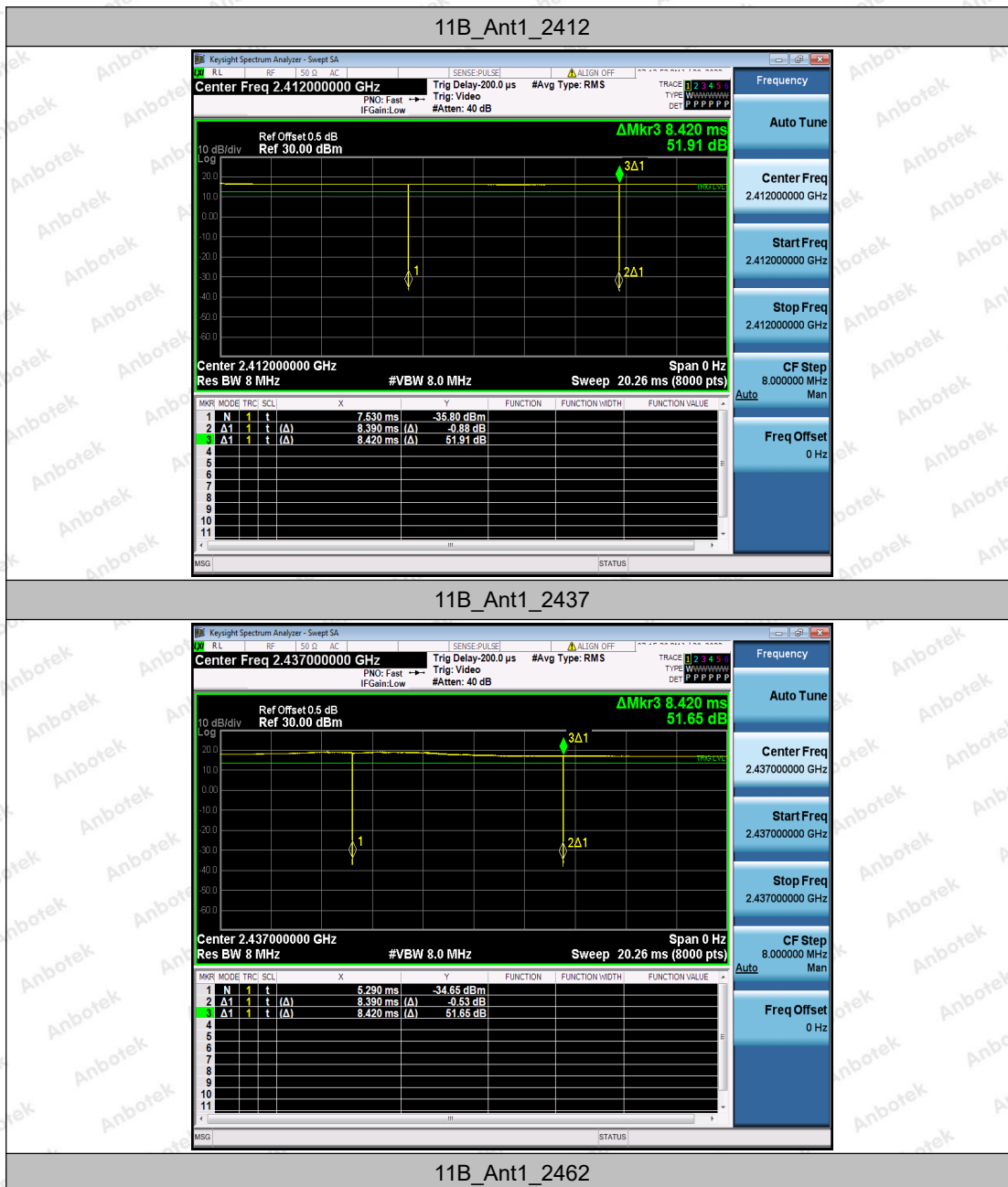
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	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	1.40	1.43	97.90	---	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	0.64	0.68	94.12	---	PASS
		2437	0.65	0.68	95.59	---	PASS
		2452	0.65	0.69	94.20	---	PASS

Test Graphs



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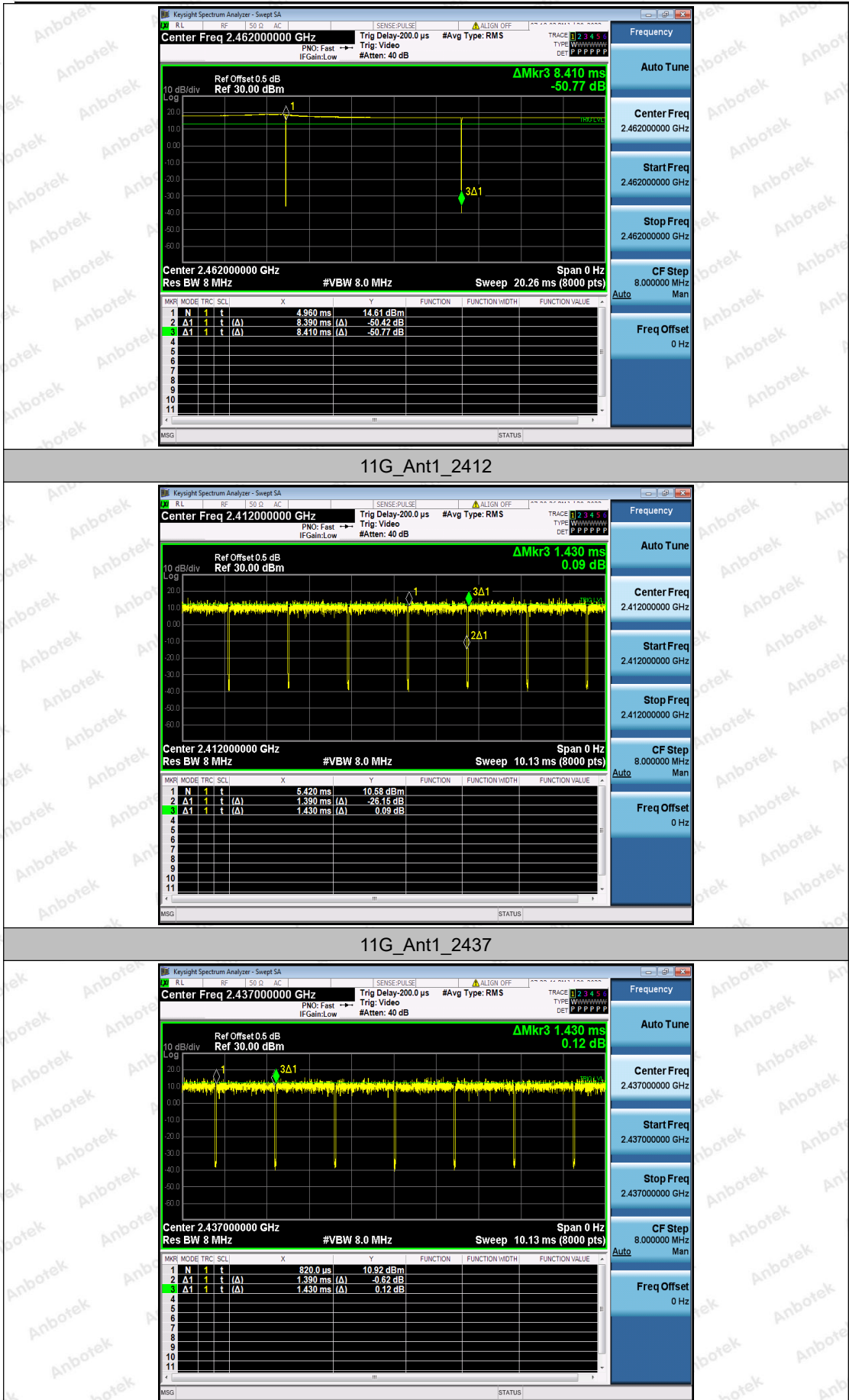
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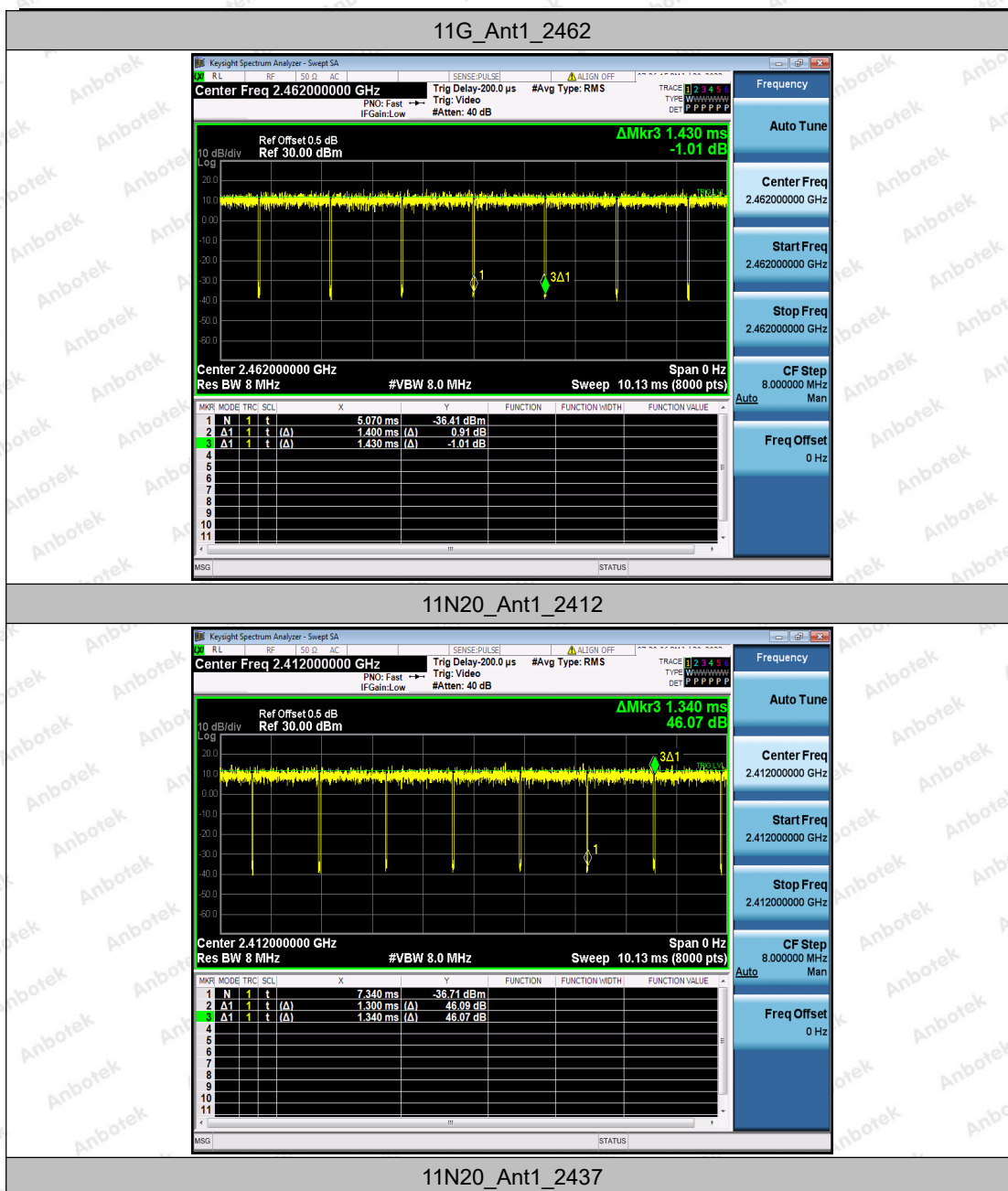


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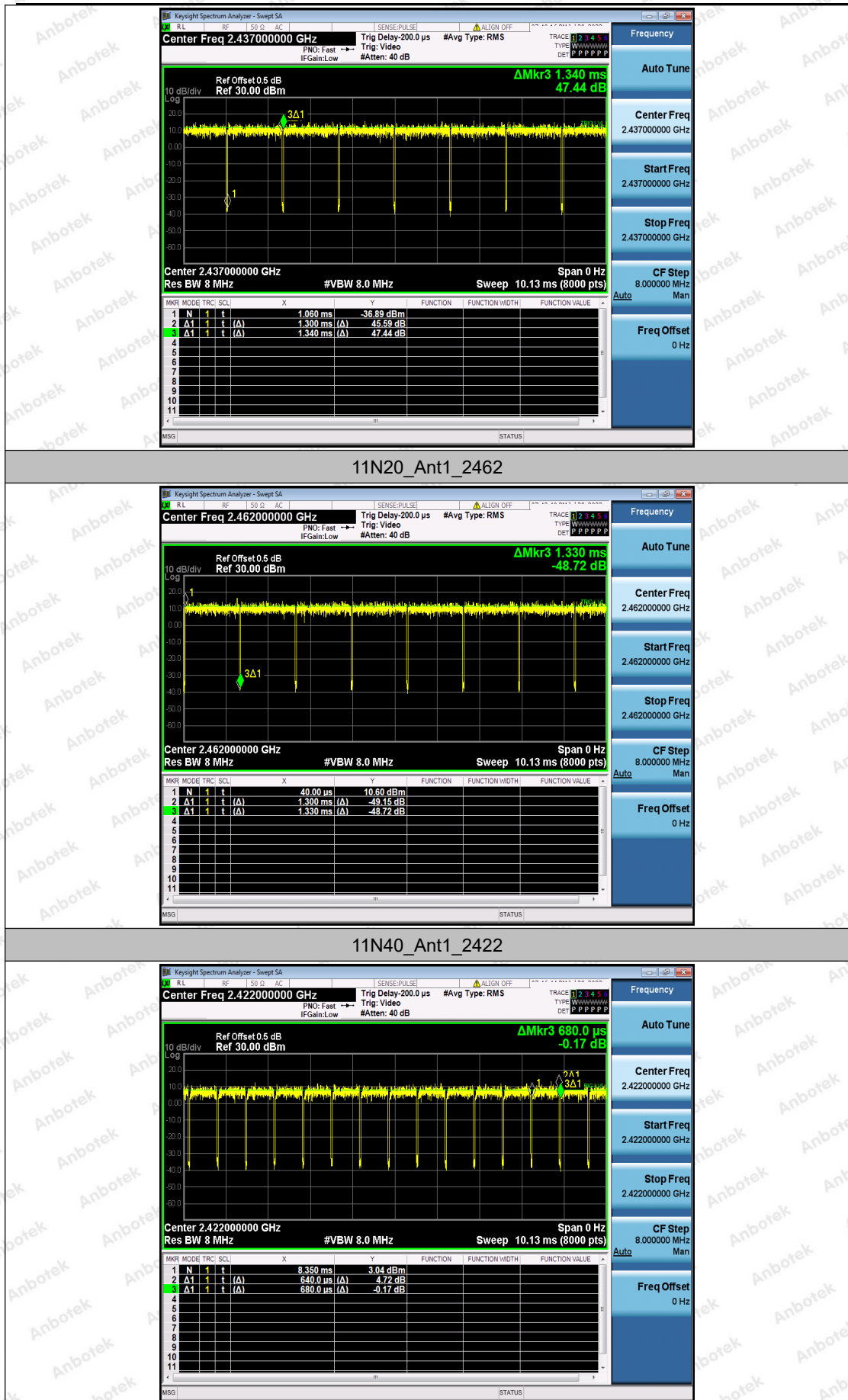


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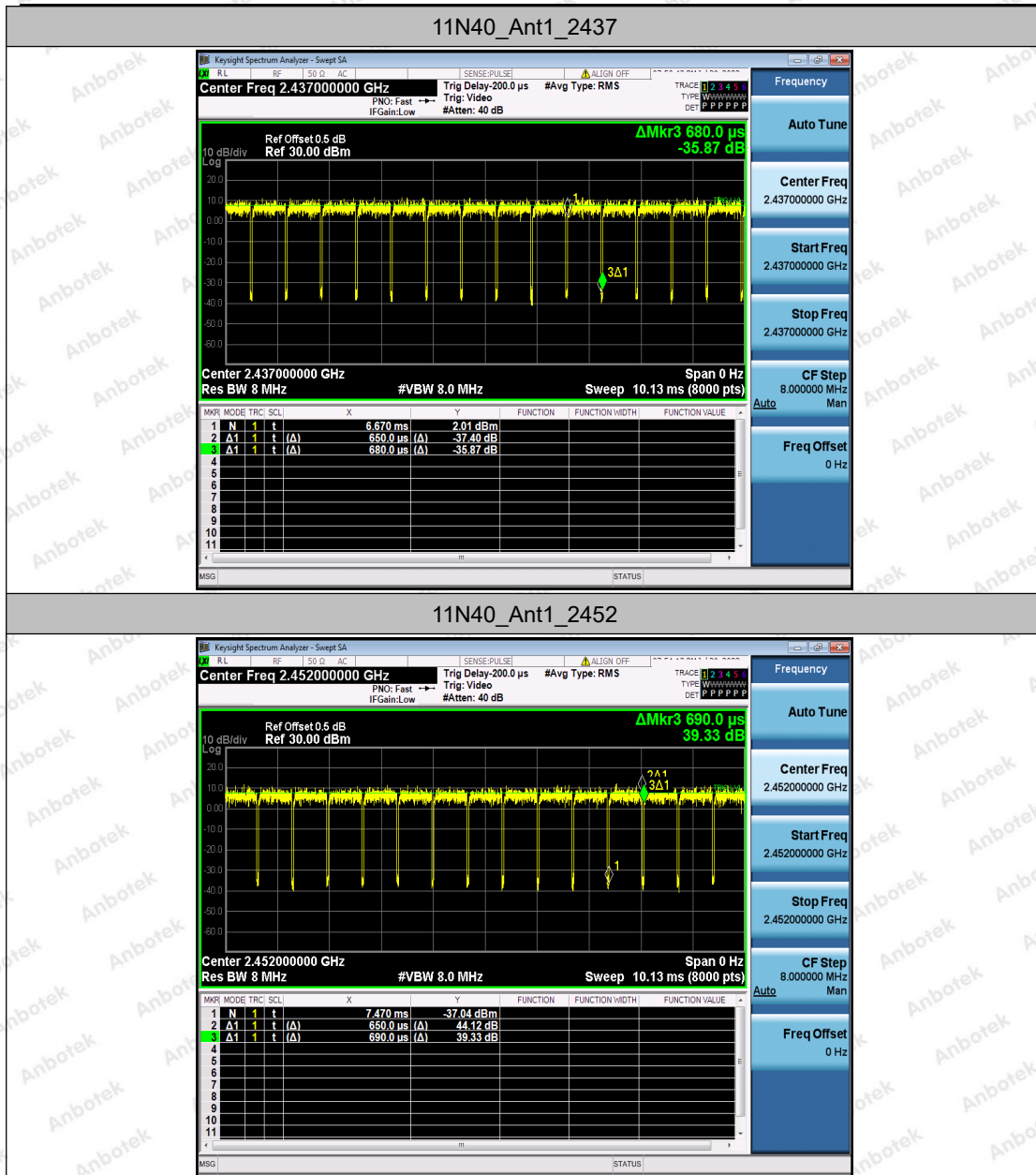


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