

Appendix Test Data

Report No.:	18220WC20151901	Test Sample No.:	1-2-2
Start Test Date:	2022.7.8	Finish Test Date:	2022.7.22
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.8℃	Relative Humidity:	56.4 %
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	8.680	2407.920	2416.600	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥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	17.720	2403.160	2420.880	≥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	36.180	2404.000	2440.180	≥0.5	PASS
		2437	35.940	2419.000	2454.940	≥0.5	PASS
		2452	35.880	2434.060	2469.940	≥0.5	PASS

Test Graphs

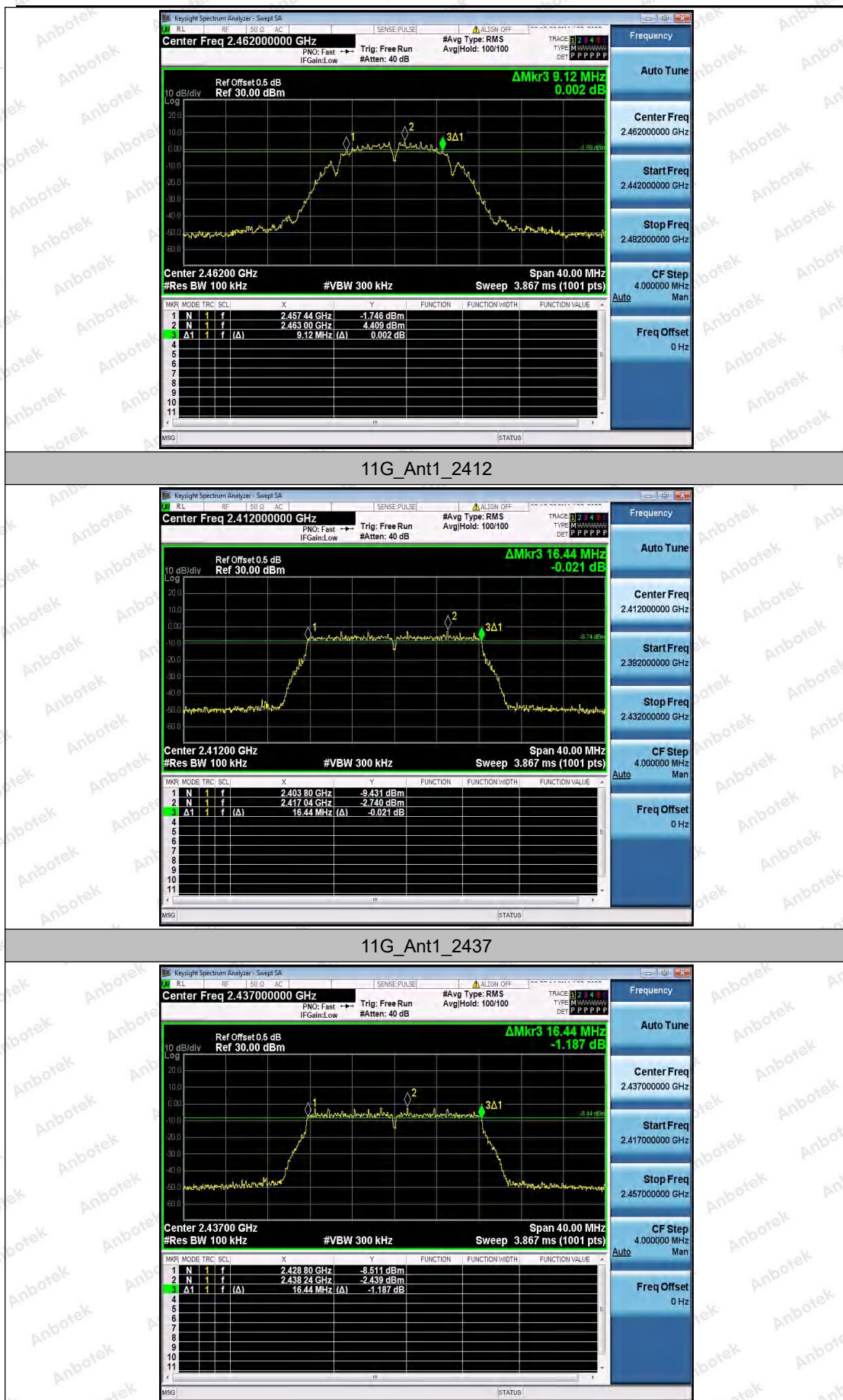
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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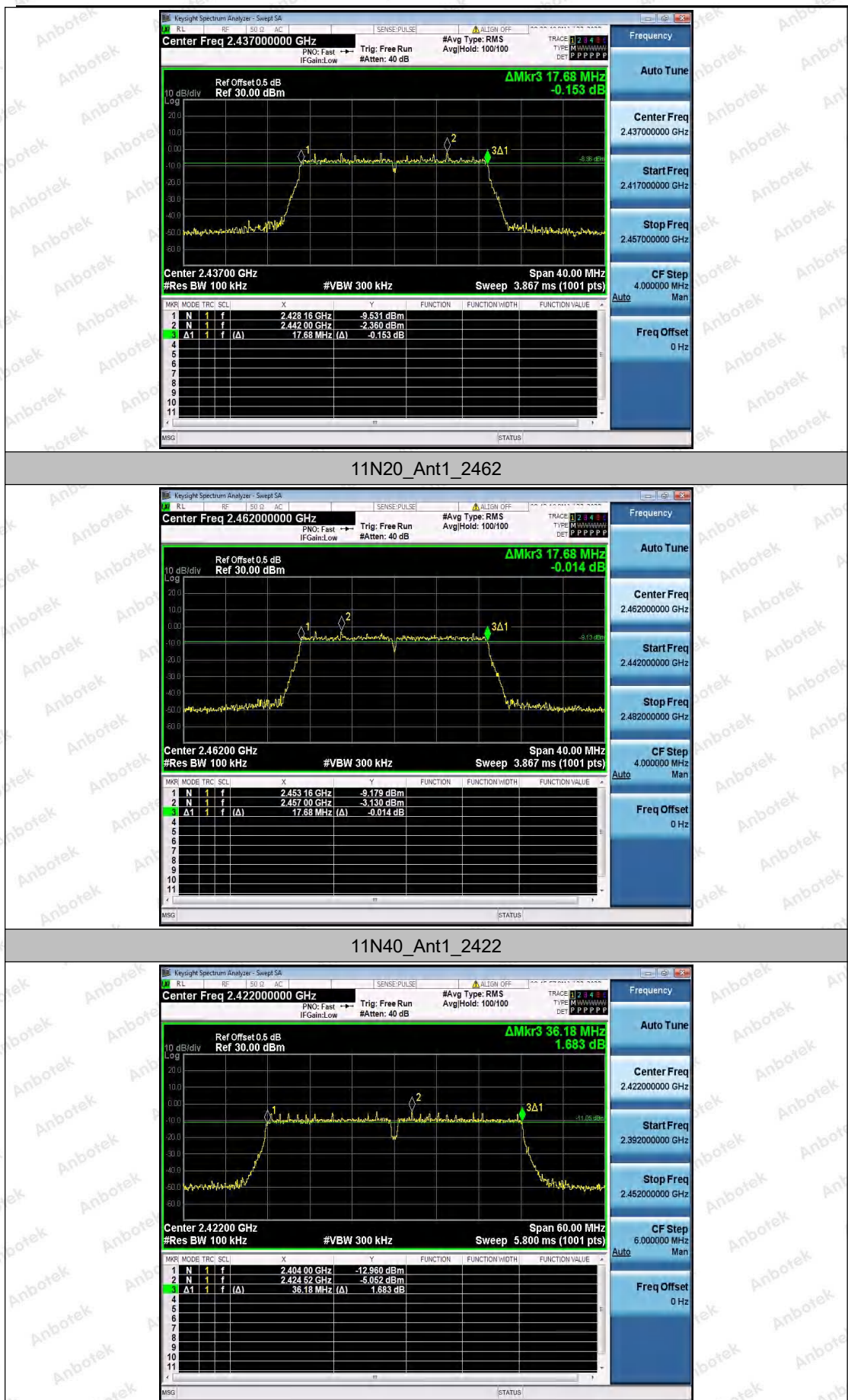
11G_Ant1_2462



11N20_Ant1_2412



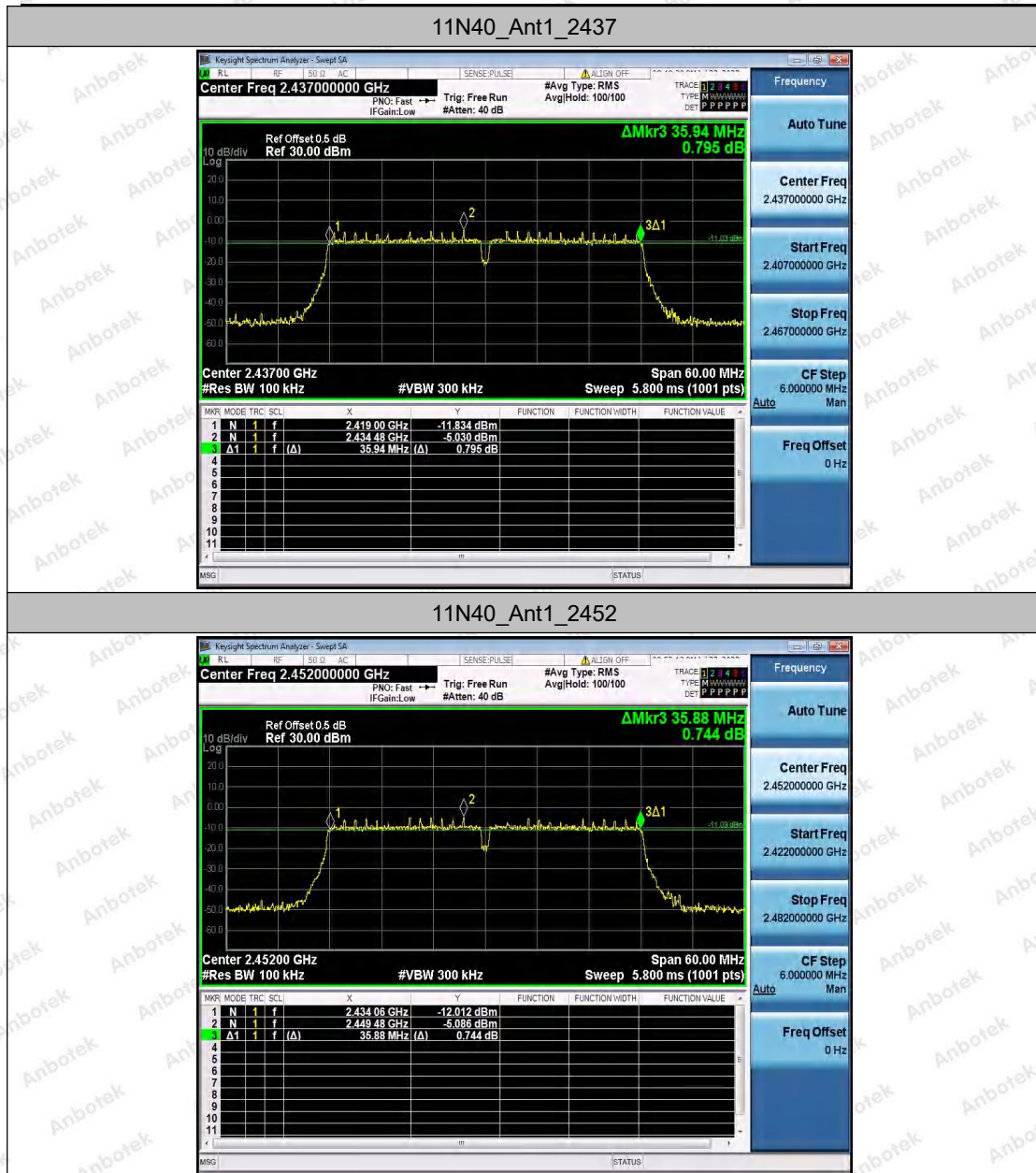
11N20_Ant1_2437



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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	12.287	2405.918	2418.205	---	PASS
		2437	12.310	2430.890	2443.200	---	PASS
		2462	12.304	2455.888	2468.192	---	PASS
11G	Ant1	2412	17.004	2403.527	2420.531	---	PASS
		2437	17.038	2428.509	2445.547	---	PASS
		2462	17.060	2453.491	2470.551	---	PASS
11N20	Ant1	2412	17.921	2403.086	2421.007	---	PASS
		2437	18.005	2428.034	2446.039	---	PASS
		2462	18.002	2453.054	2471.056	---	PASS
11N40	Ant1	2422	36.183	2403.965	2440.148	---	PASS
		2437	36.161	2418.970	2455.131	---	PASS
		2452	36.182	2433.946	2470.128	---	PASS

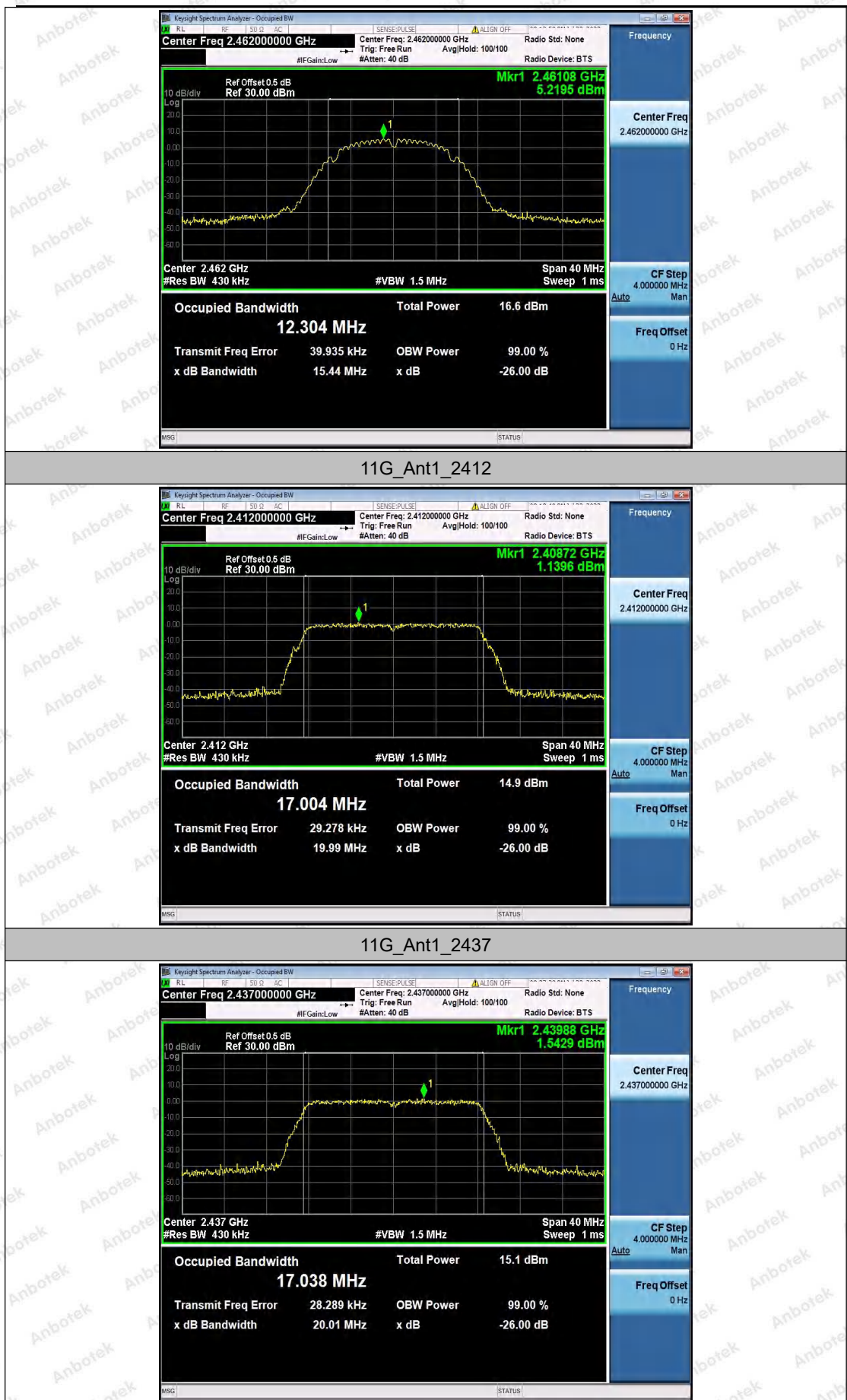
Test Graphs



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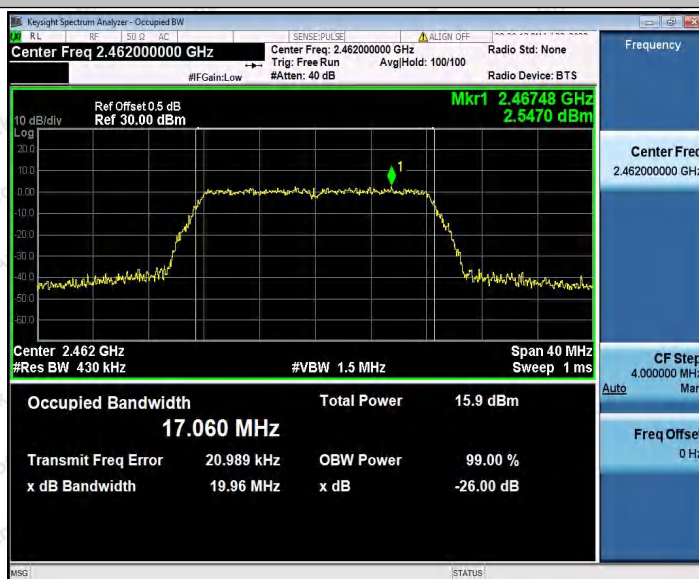


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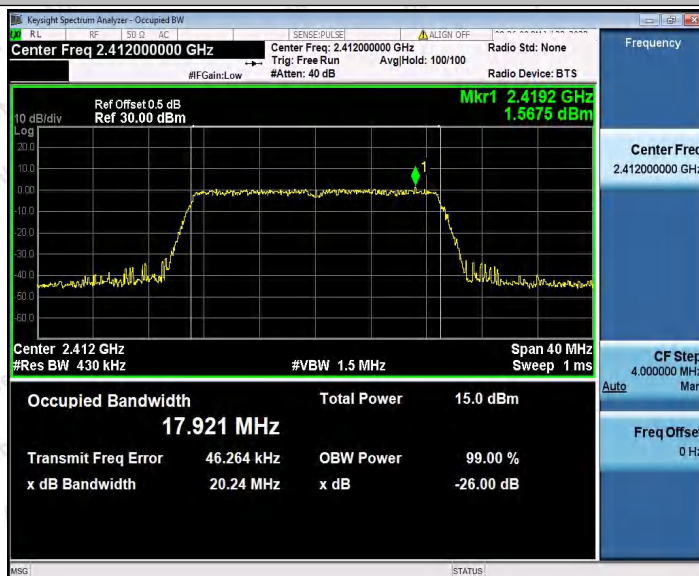
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11G_Ant1_2462



11N20_Ant1_2412

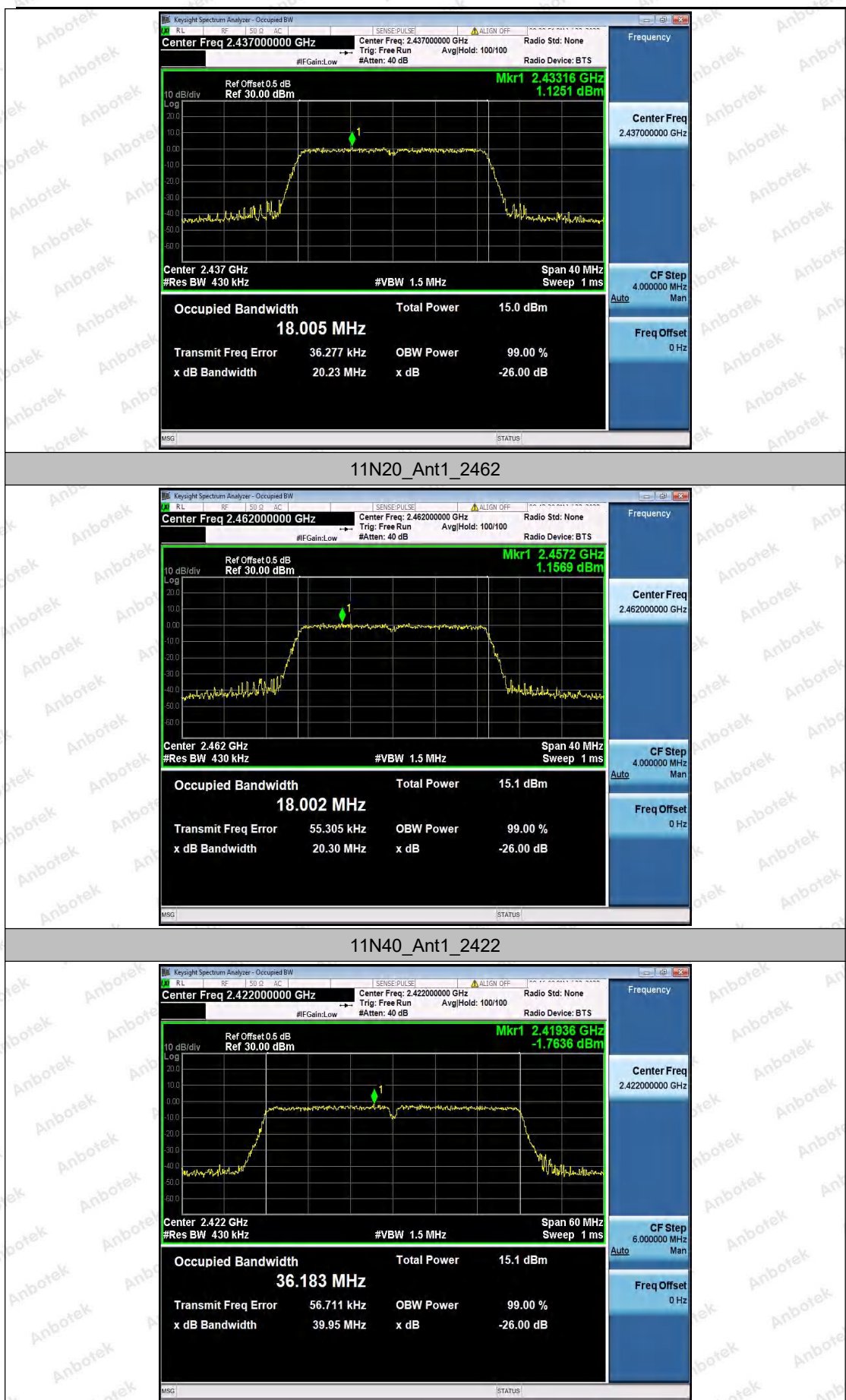


11N20_Ant1_2437

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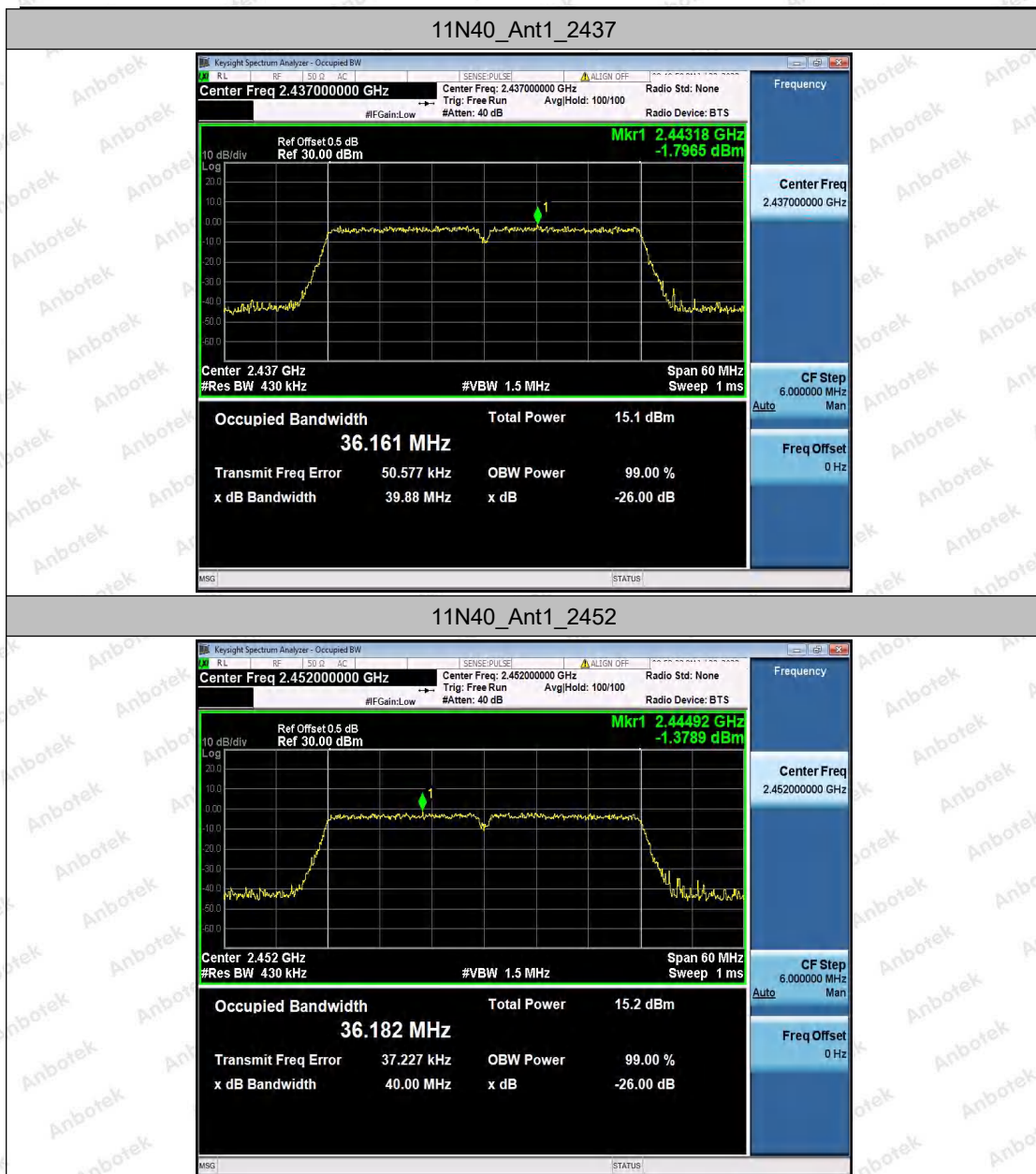


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Appendix C: Maximum conducted output power

Test Result

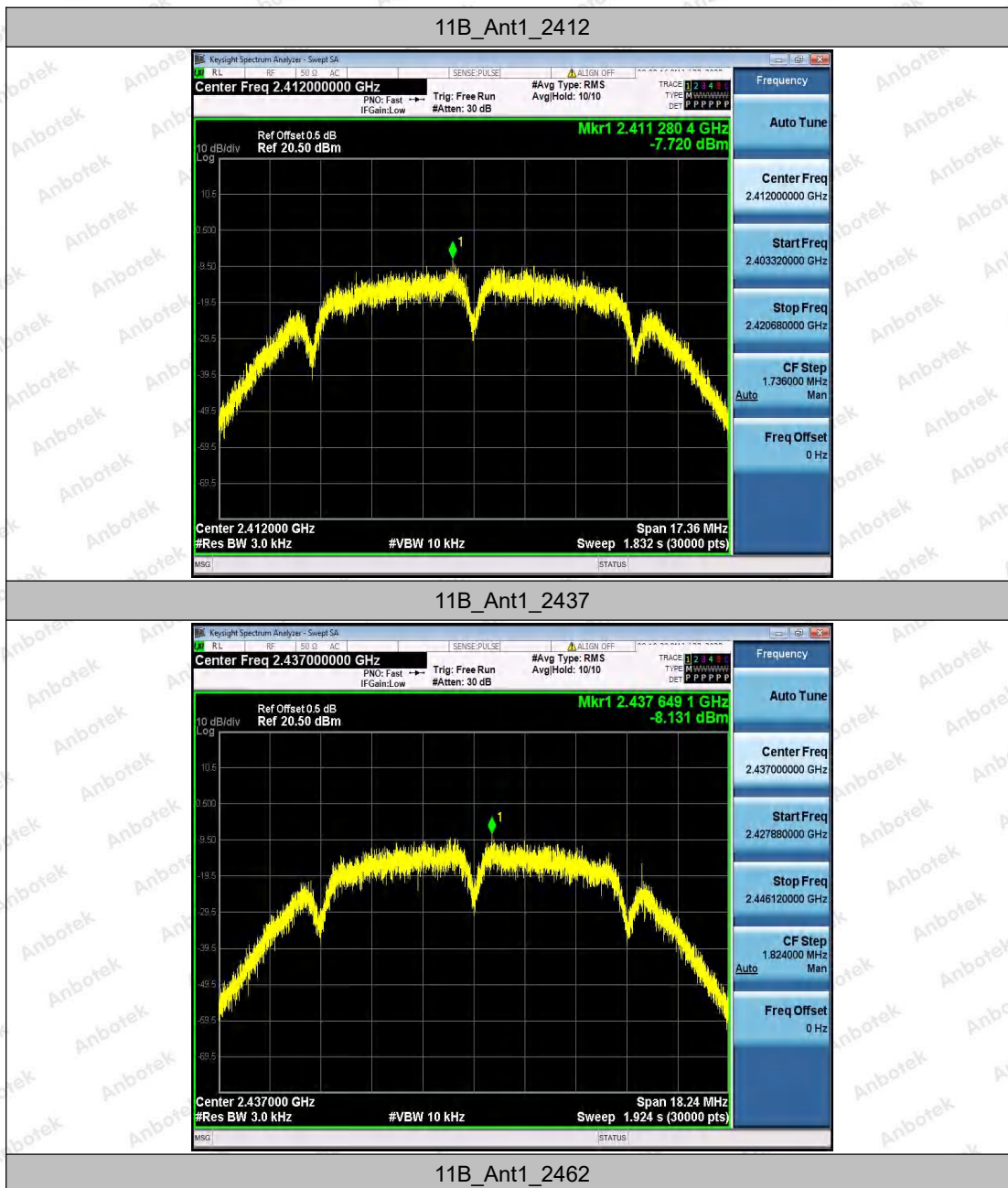
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.86	≤30	PASS
		2437	17.06	≤30	PASS
		2462	16.63	≤30	PASS
11G	Ant1	2412	16.12	≤30	PASS
		2437	16.11	≤30	PASS
		2462	17.09	≤30	PASS
11N20	Ant1	2412	16.06	≤30	PASS
		2437	16.17	≤30	PASS
		2462	16.17	≤30	PASS
11N40	Ant1	2422	13.71	≤30	PASS
		2437	13.75	≤30	PASS
		2452	13.70	≤30	PASS

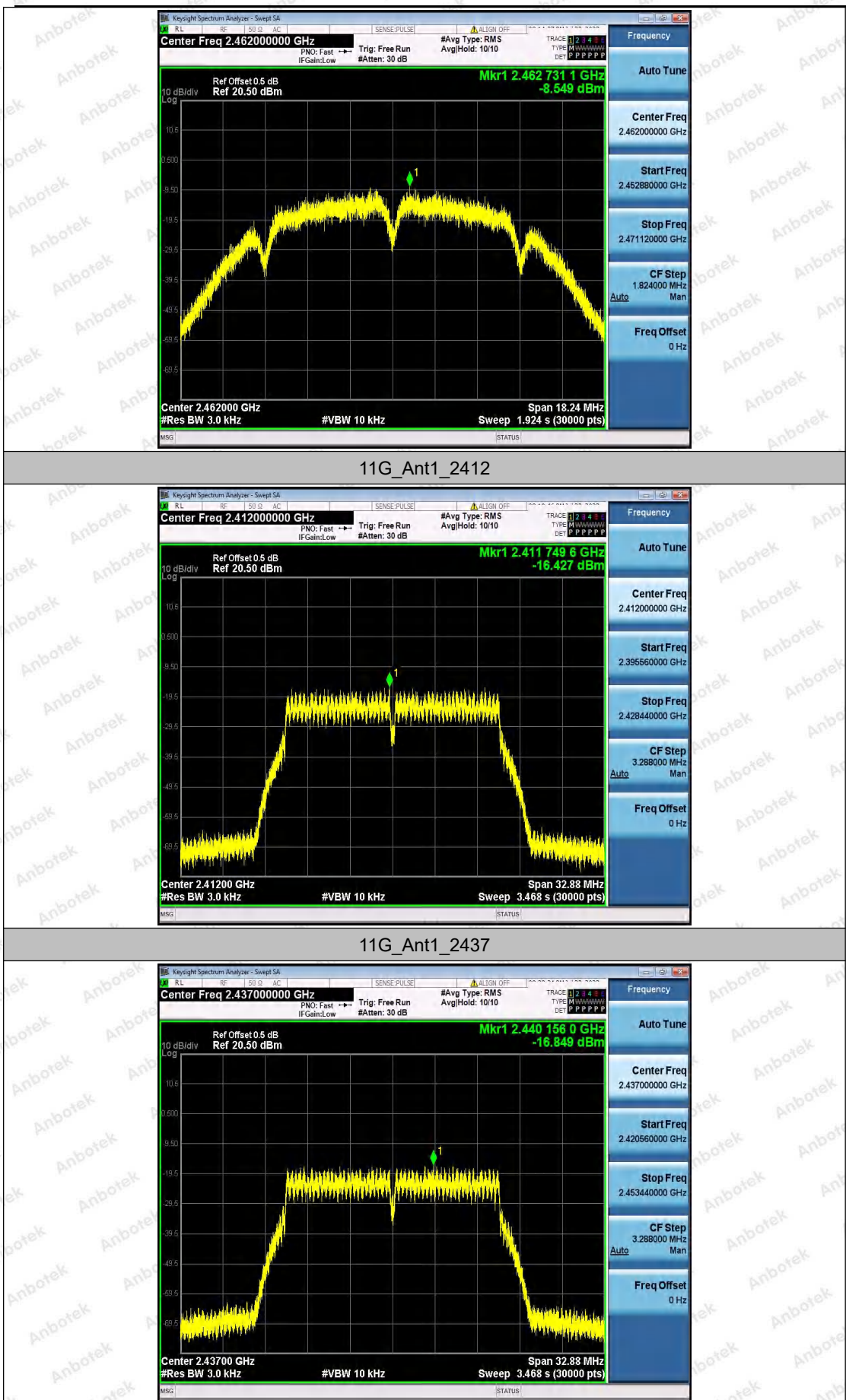
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.72	≤8	PASS
		2437	-8.13	≤8	PASS
		2462	-8.55	≤8	PASS
11G	Ant1	2412	-16.43	≤8	PASS
		2437	-16.85	≤8	PASS
		2462	-15.02	≤8	PASS
11N20	Ant1	2412	-16.11	≤8	PASS
		2437	-15.86	≤8	PASS
		2462	-16.58	≤8	PASS
11N40	Ant1	2422	-19.47	≤8	PASS
		2437	-19.45	≤8	PASS
		2452	-19.3	≤8	PASS

Test Graphs

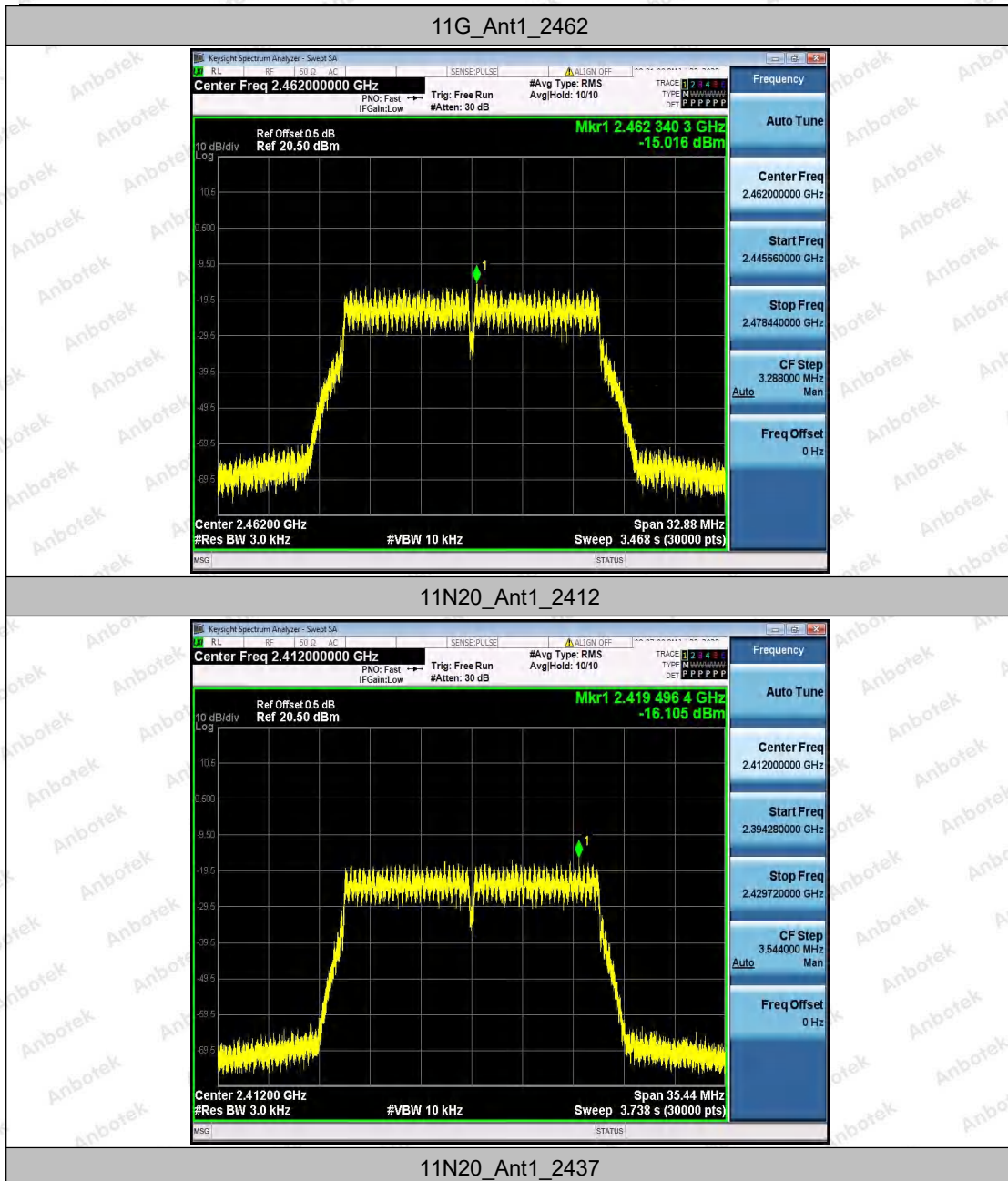


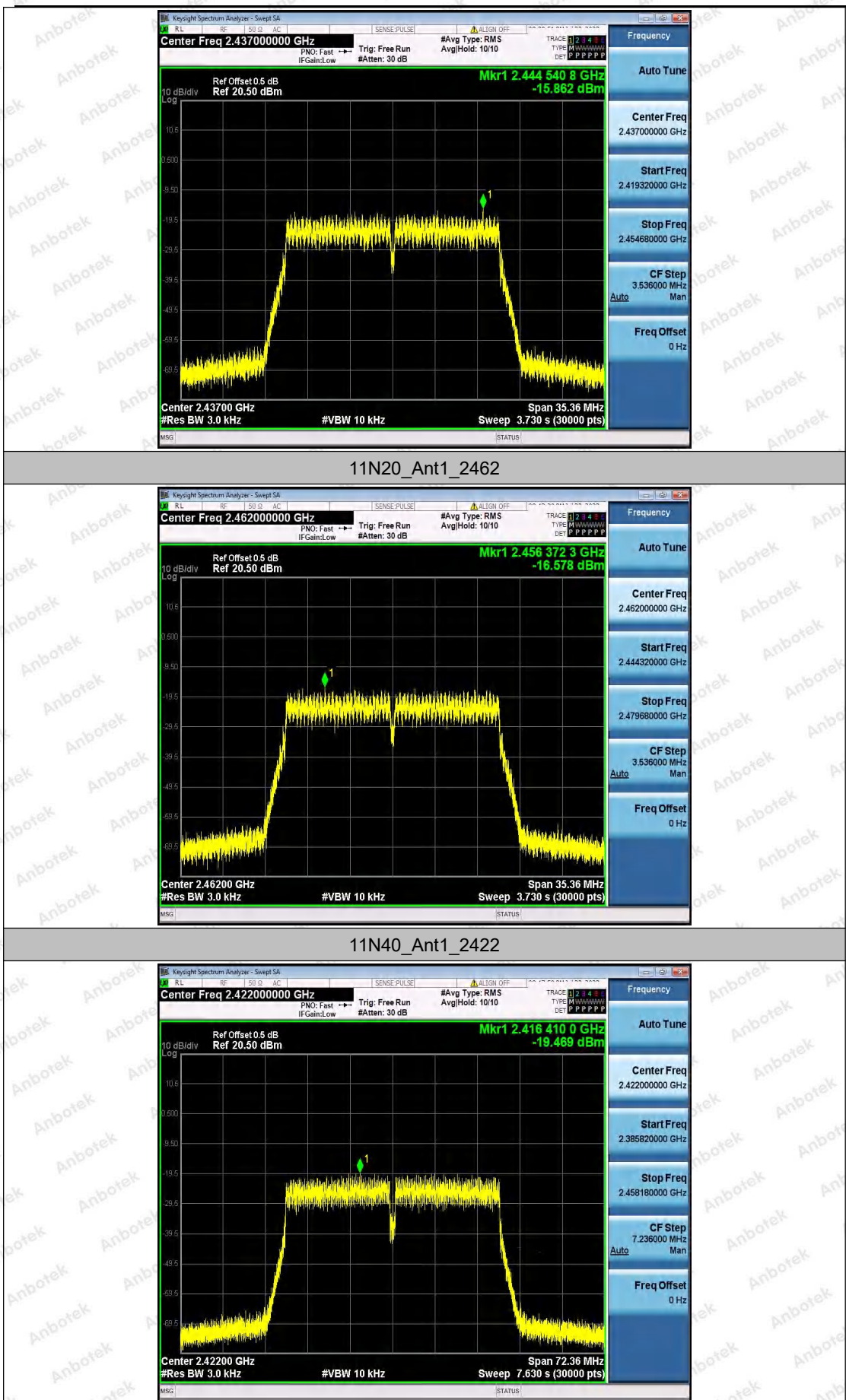


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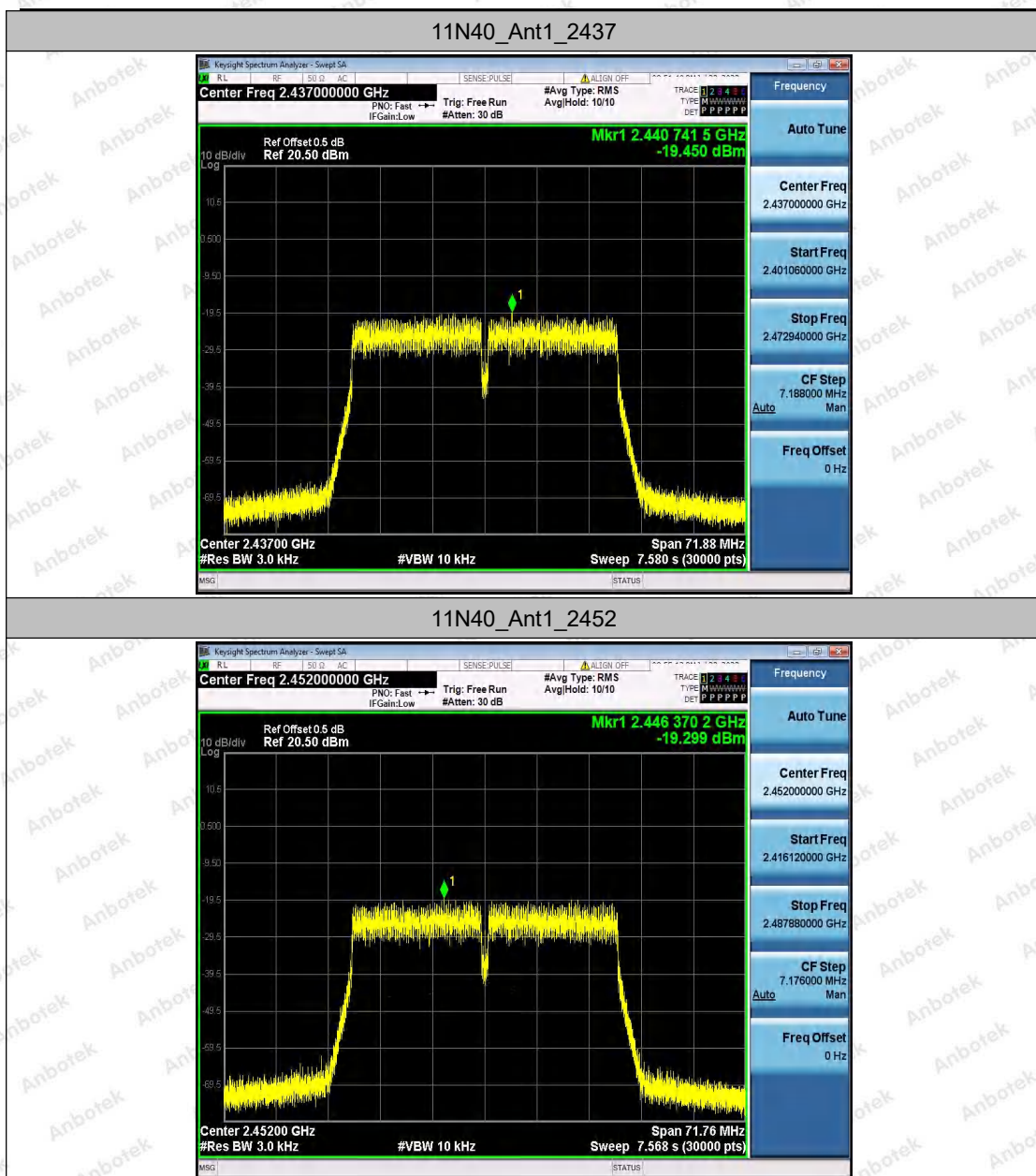


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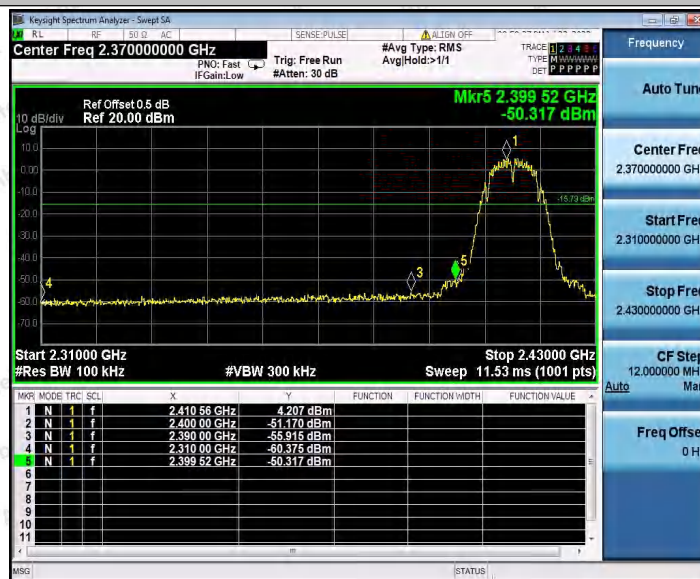
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.21	-50.32	≤-15.79	PASS
		High	2462	5.06	-55.44	≤-14.94	PASS
11G	Ant1	Low	2412	-2.42	-47.28	≤-22.42	PASS
		High	2462	-2.01	-52.99	≤-22.01	PASS
11N20	Ant1	Low	2412	-2.51	-45.39	≤-22.51	PASS
		High	2462	-2.28	-54.34	≤-22.28	PASS
11N40	Ant1	Low	2422	-5.22	-46.22	≤-25.22	PASS
		High	2452	-4.89	-49.52	≤-24.89	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462

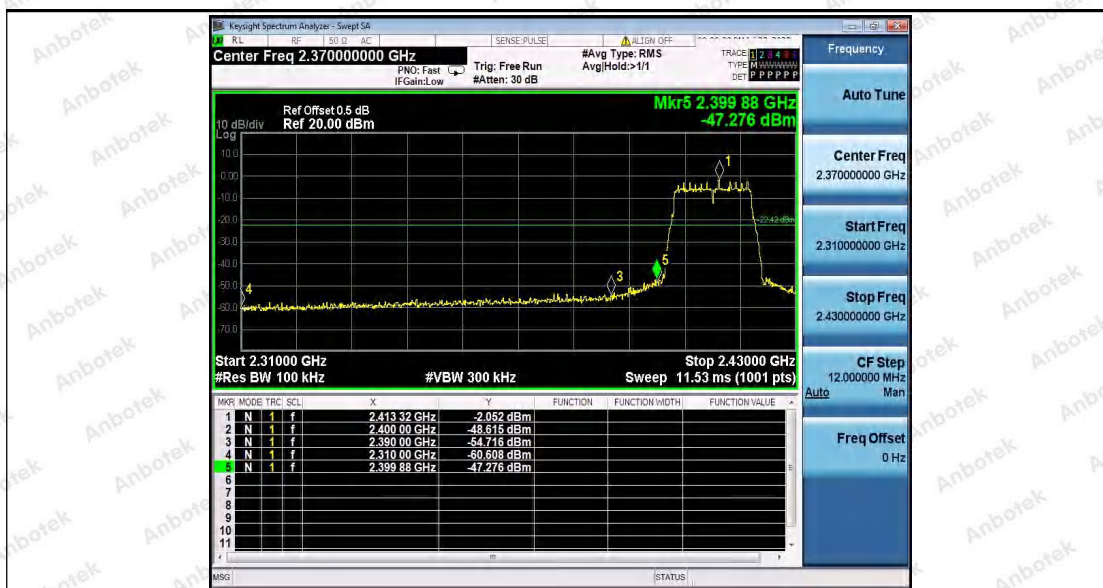


11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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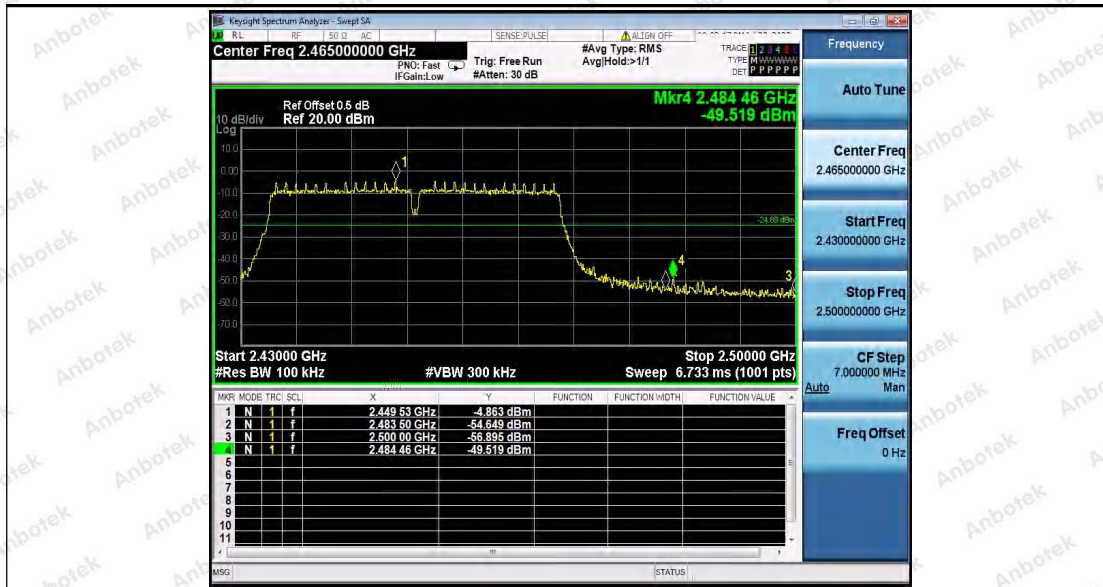
11N20_Ant1_High_2462



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	5.10	5.10	---	PASS
			30~1000	5.10	-69.86	≤-14.9	PASS
			1000~26500	5.10	-53.64	≤-14.9	PASS
		2437	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-69.84	≤-14.8	PASS
			1000~26500	5.20	-53.81	≤-14.8	PASS
		2462	Reference	5.07	5.07	---	PASS
			30~1000	5.07	-69.01	≤-14.94	PASS
			1000~26500	5.07	-53.9	≤-14.94	PASS
11G	Ant1	2412	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-69.27	≤-22.35	PASS
			1000~26500	-2.35	-54.09	≤-22.35	PASS
		2437	Reference	-3.10	-3.10	---	PASS
			30~1000	-3.10	-68.88	≤-23.1	PASS
			1000~26500	-3.10	-54.34	≤-23.1	PASS
		2462	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-70.04	≤-21.54	PASS
			1000~26500	-1.54	-54.14	≤-21.54	PASS
11N20	Ant1	2412	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-69.89	≤-22.47	PASS
			1000~26500	-2.47	-54.42	≤-22.47	PASS
		2437	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-59.9	≤-22.41	PASS
			1000~26500	-2.41	-53.95	≤-22.41	PASS
		2462	Reference	-2.31	-2.31	---	PASS
			30~1000	-2.31	-69.76	≤-22.31	PASS
			1000~26500	-2.31	-53.64	≤-22.31	PASS
11N40	Ant1	2422	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-69.36	≤-25.3	PASS
			1000~26500	-5.30	-53.83	≤-25.3	PASS
		2437	Reference	-5.10	-5.10	---	PASS
			30~1000	-5.10	-68.68	≤-25.1	PASS
			1000~26500	-5.10	-53.94	≤-25.1	PASS
		2452	Reference	-5.37	-5.37	---	PASS
			30~1000	-5.37	-61.4	≤-25.37	PASS
			1000~26500	-5.37	-53.48	≤-25.37	PASS

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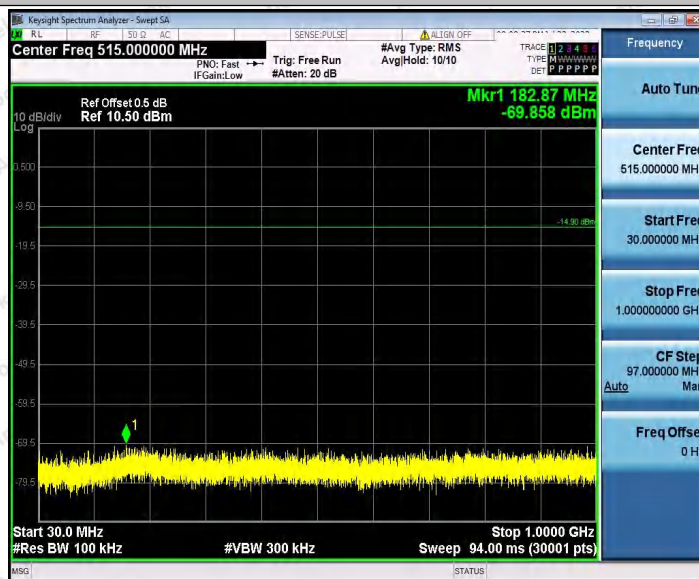
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Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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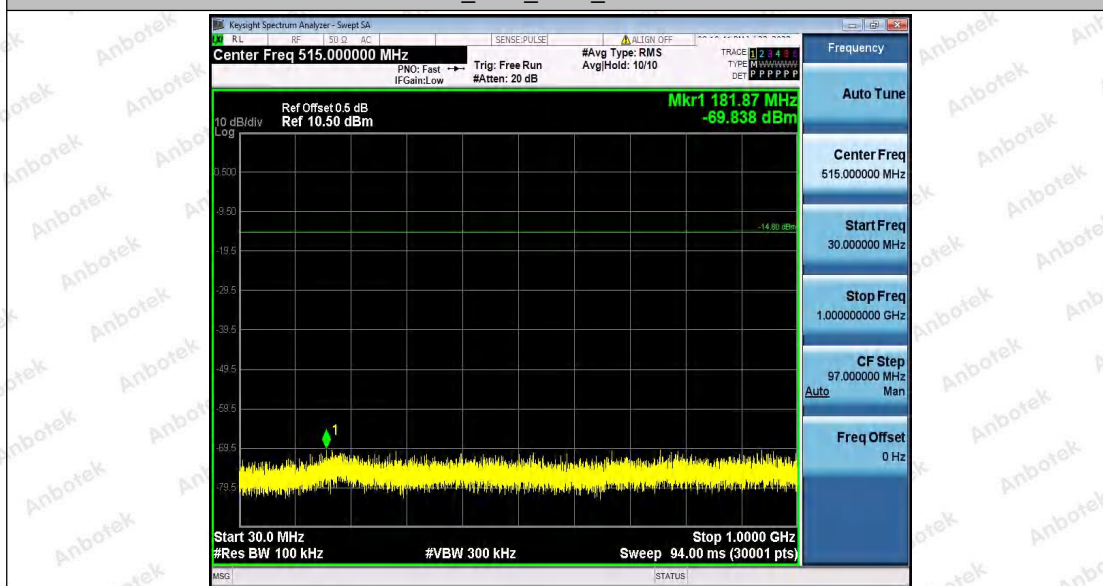
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

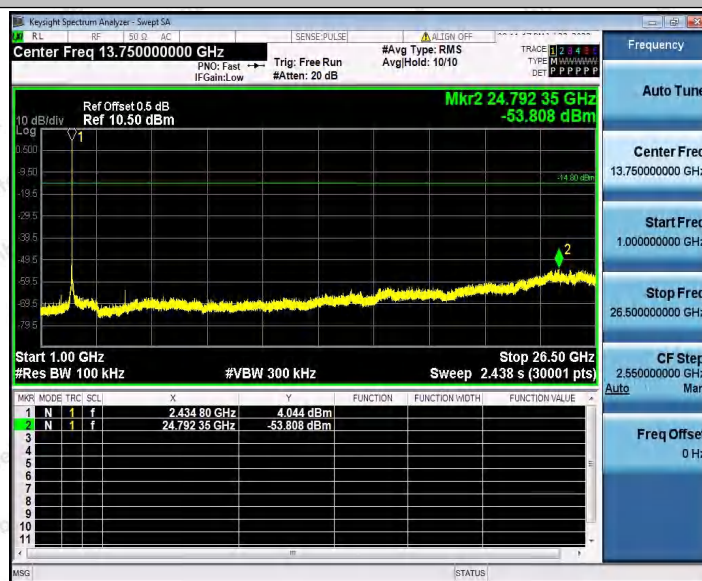


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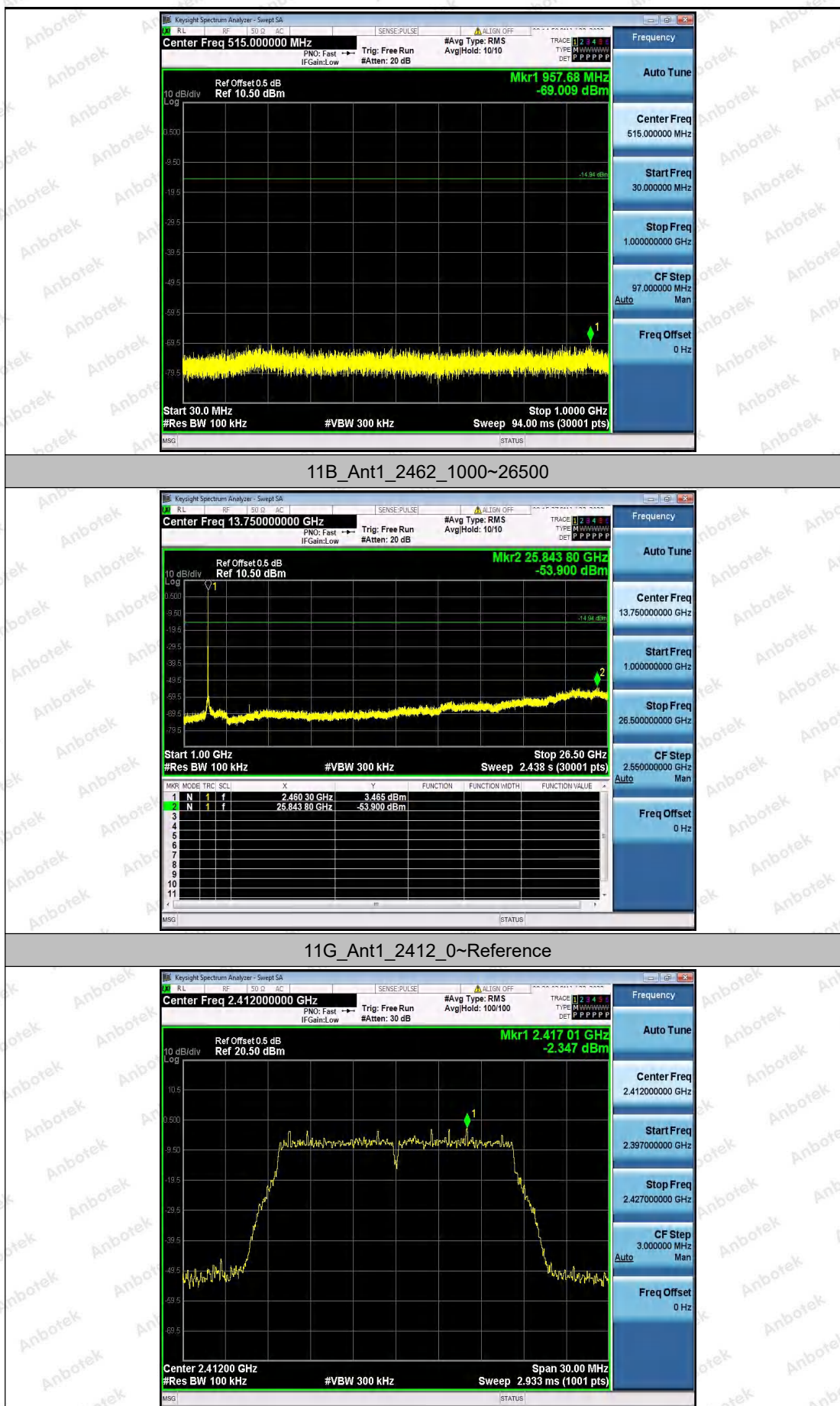
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11B_Ant1_2462_0~Reference



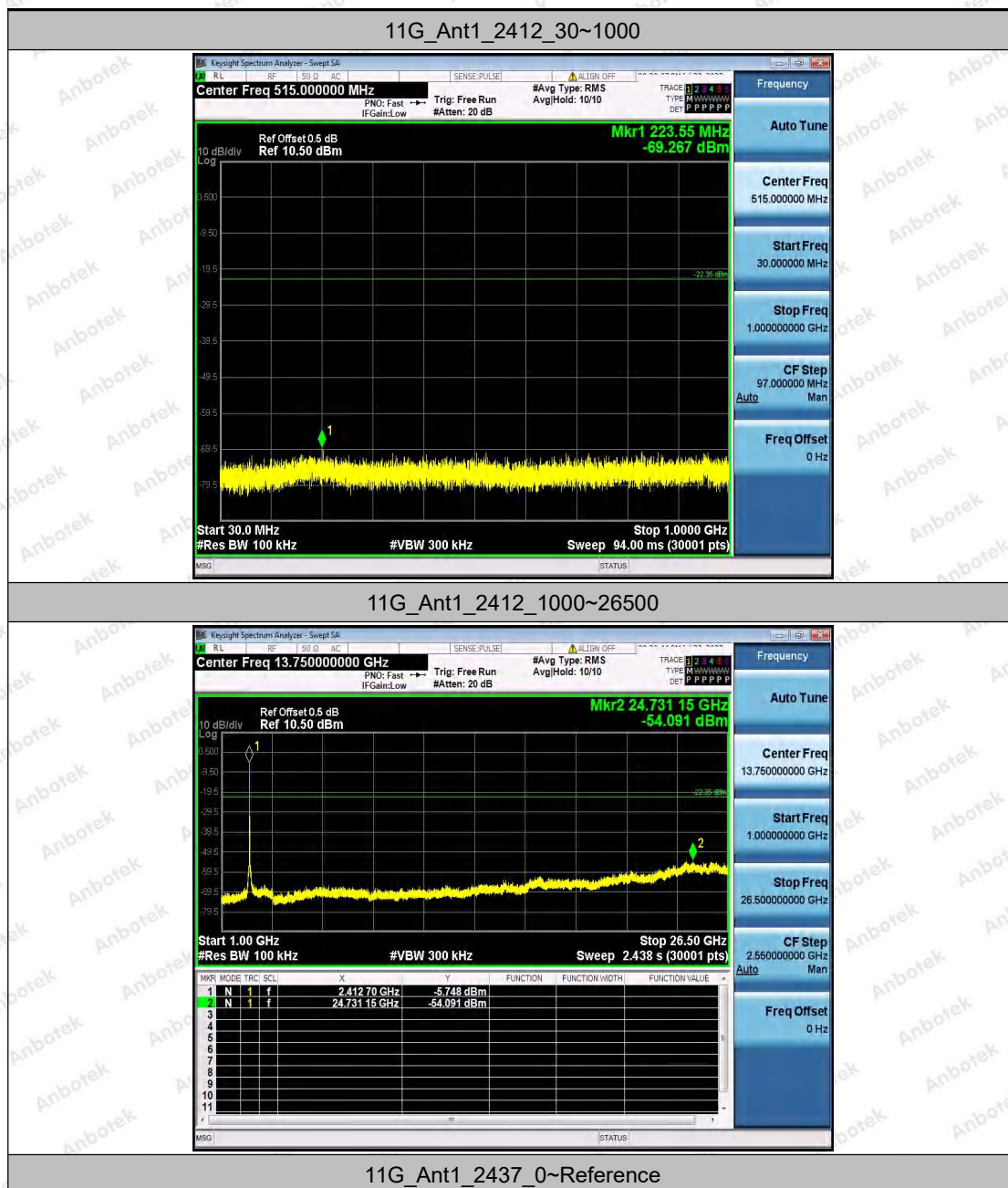
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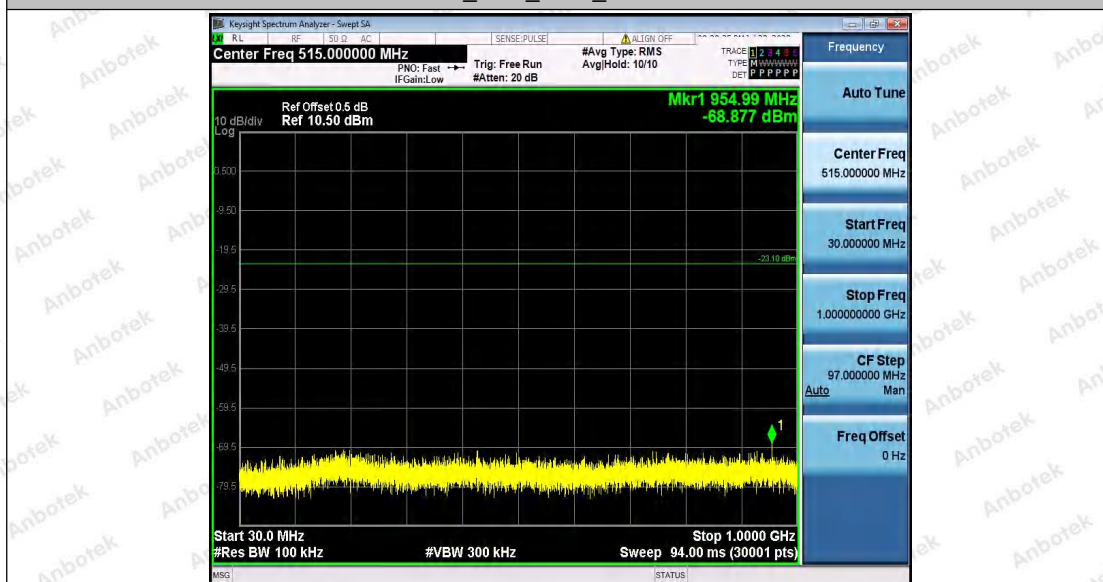
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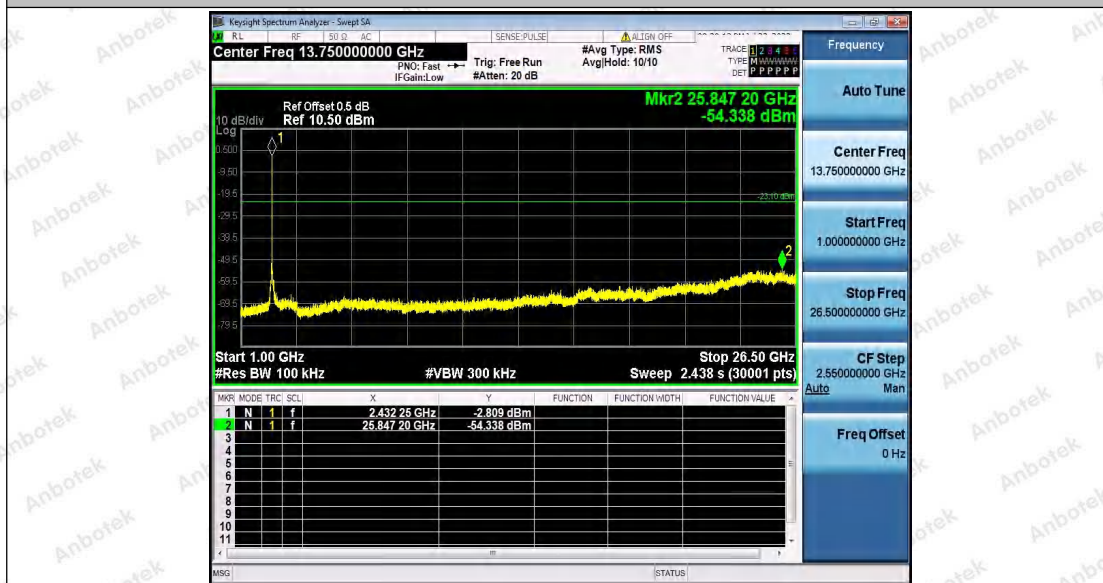




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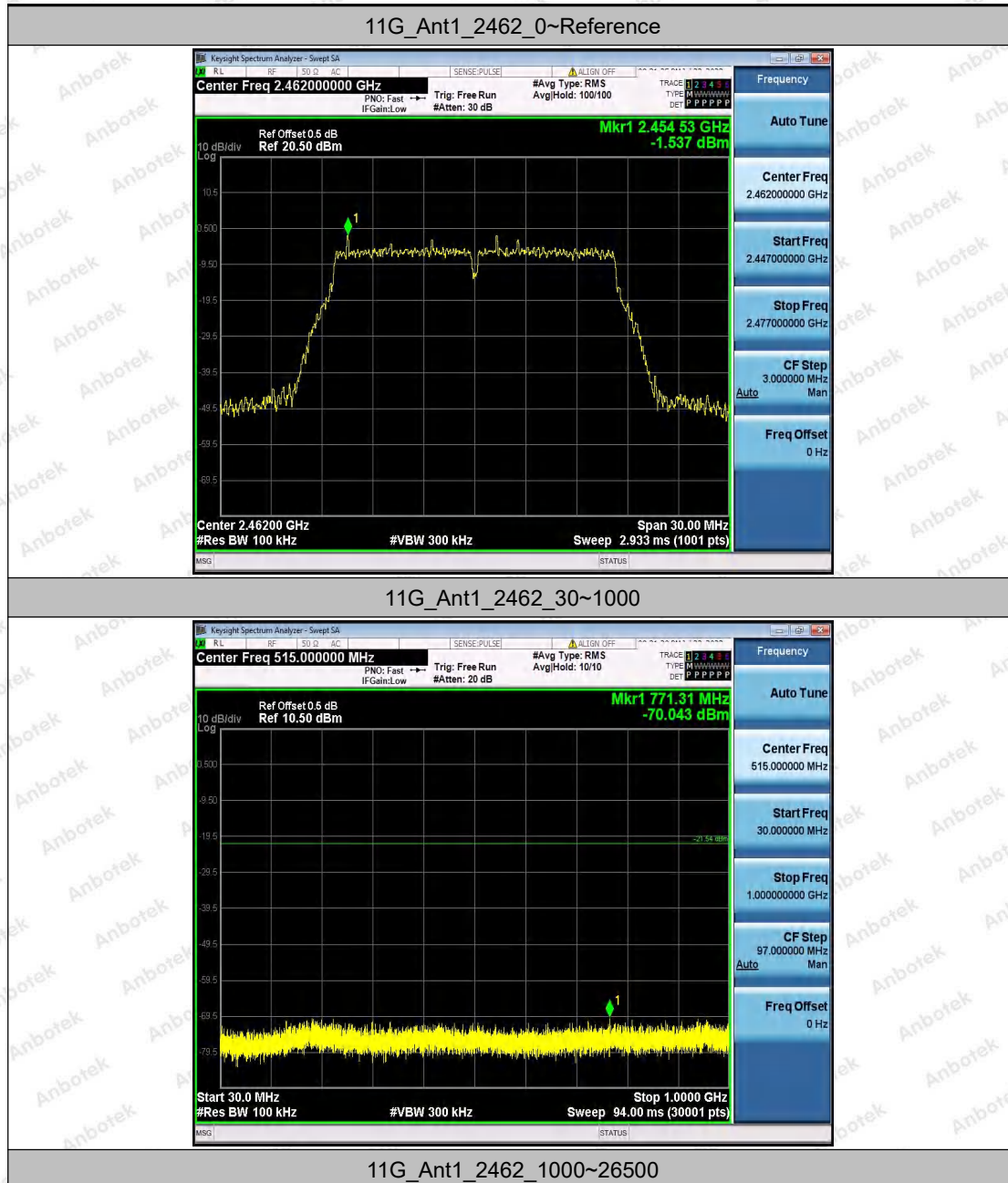
11G_Ant1_2437_1000~26500

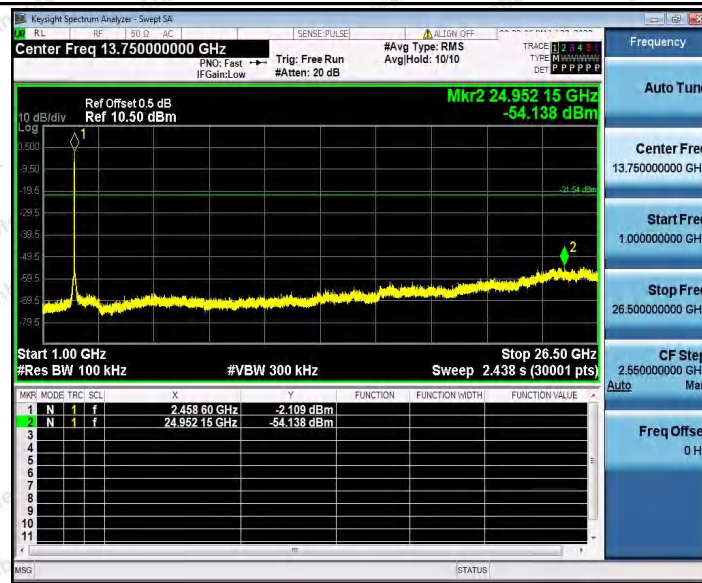


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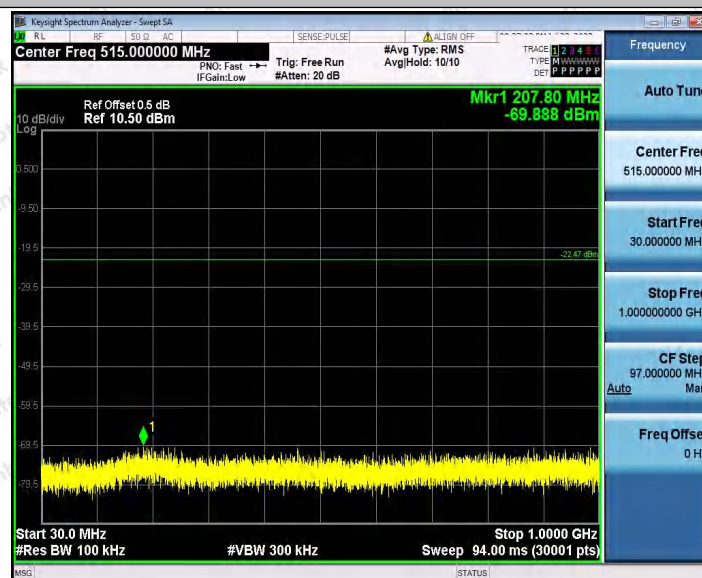




11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

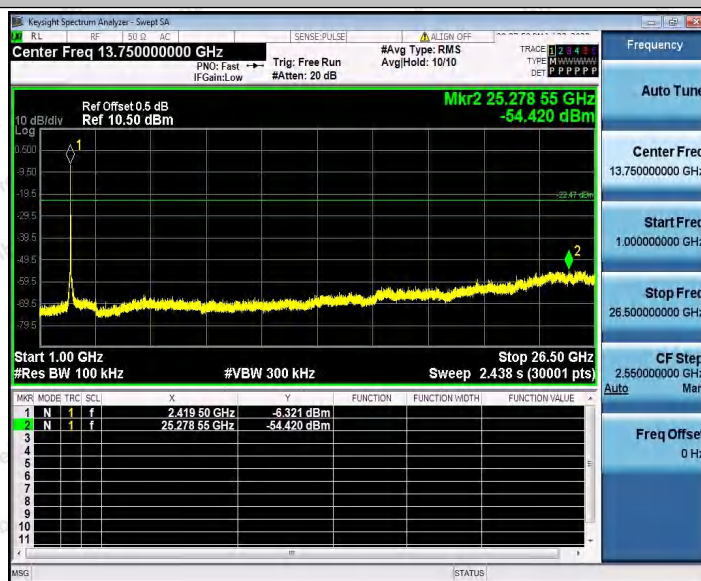


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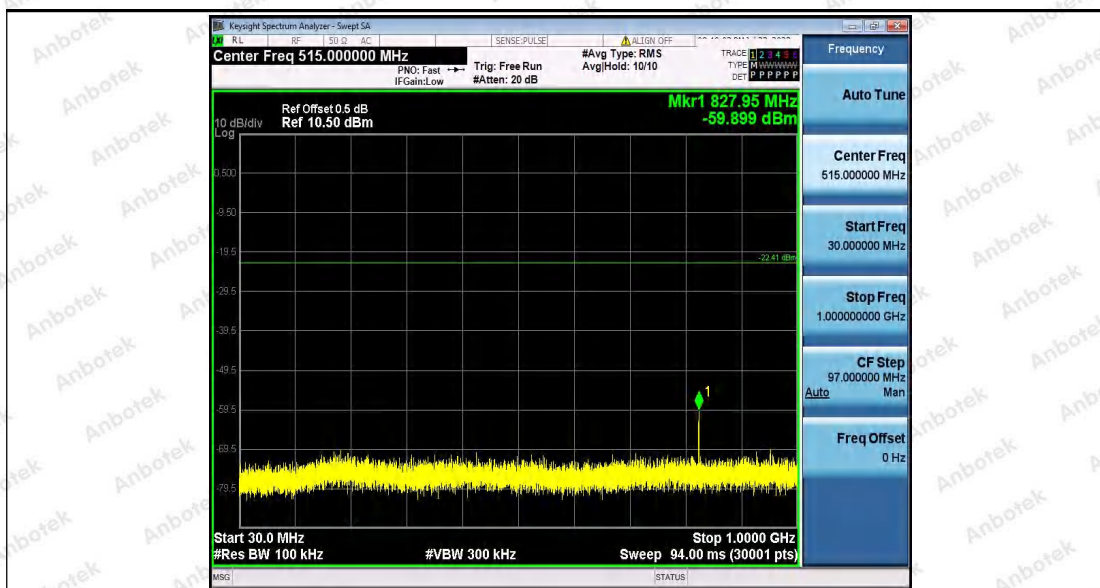
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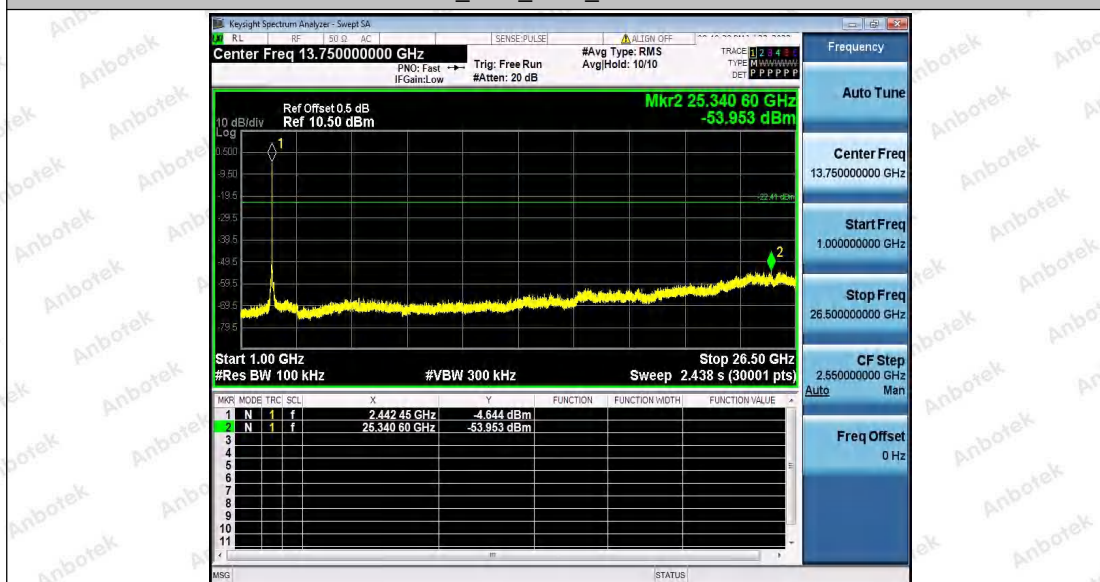
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11N20_Ant1_2437_30~1000



11N20_Ant1_2437_1000~26500



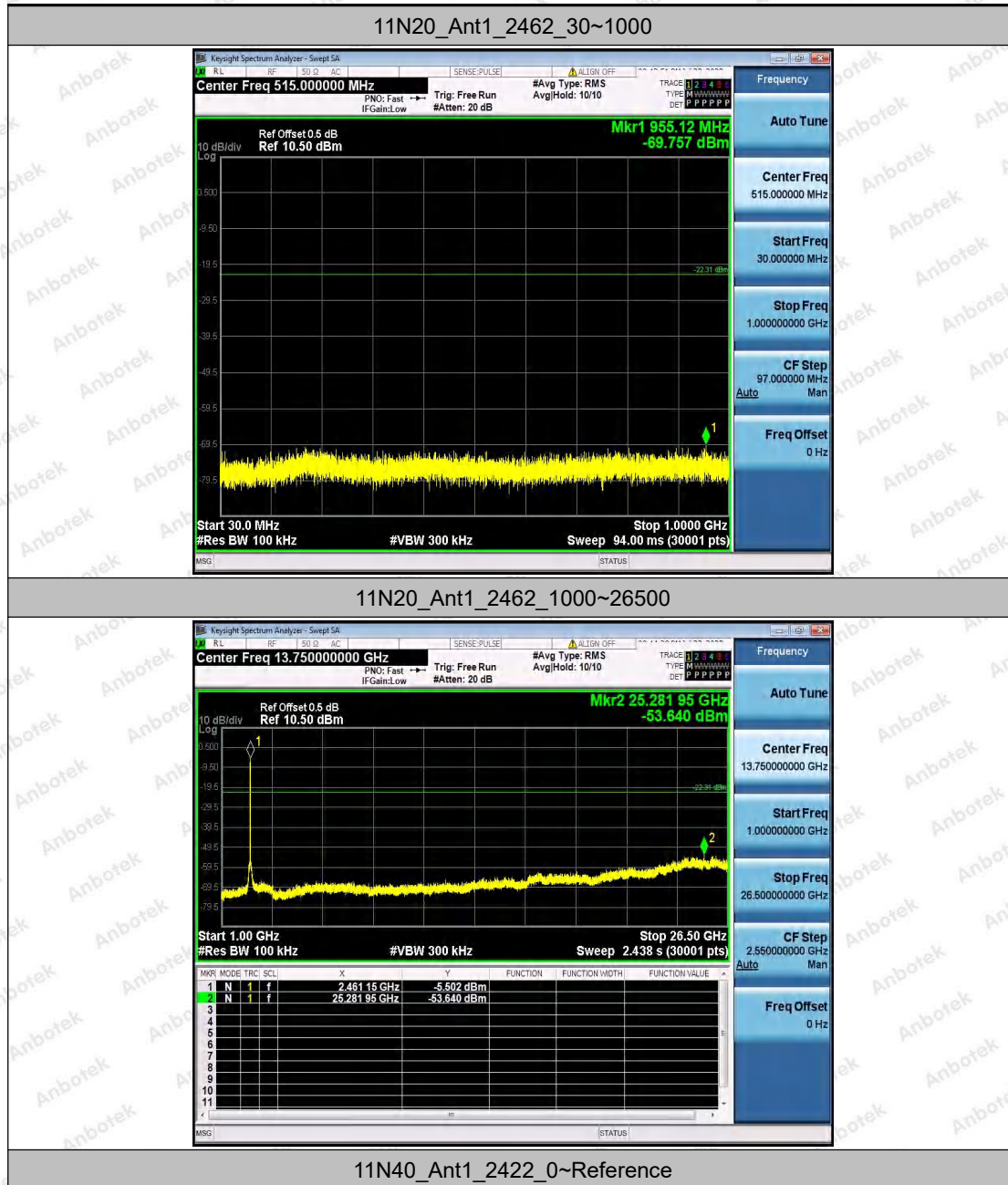
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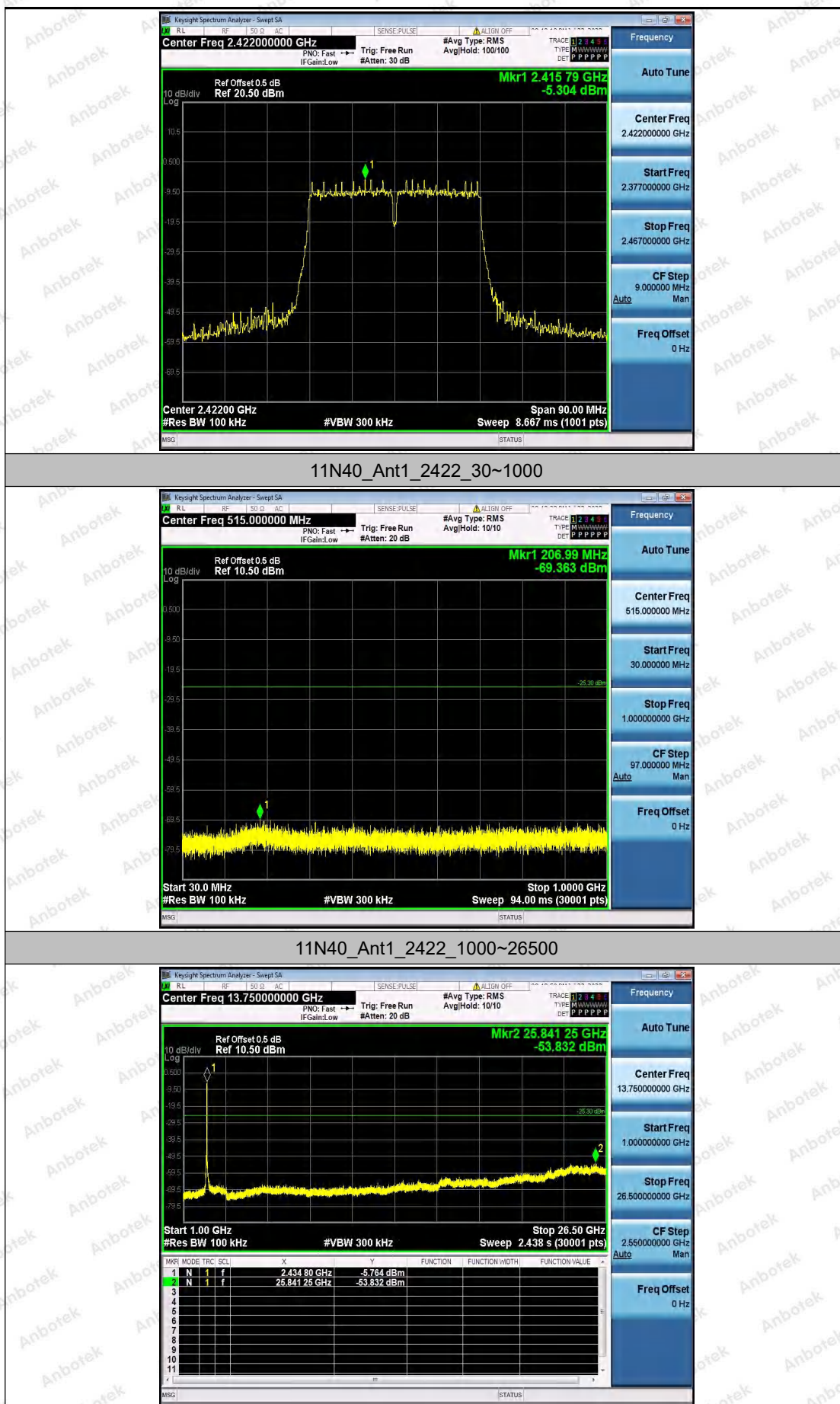


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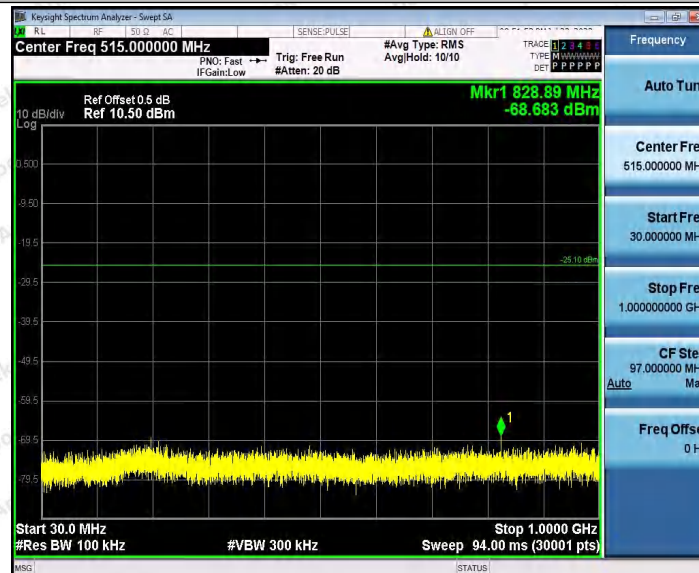
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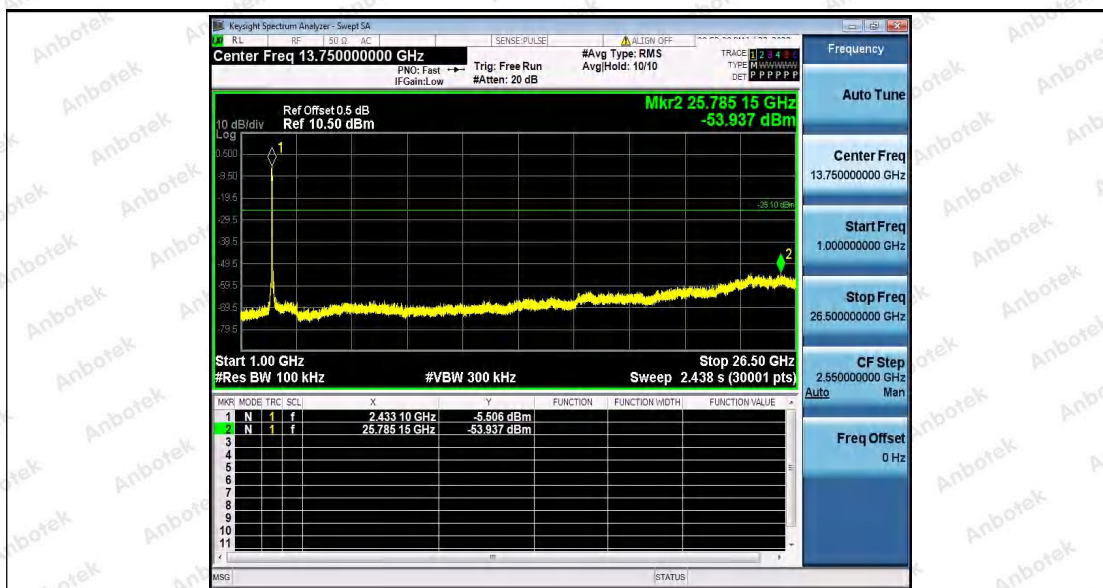
11N40_Ant1_2437_0~Reference



11N40_Ant1_2437_30~1000



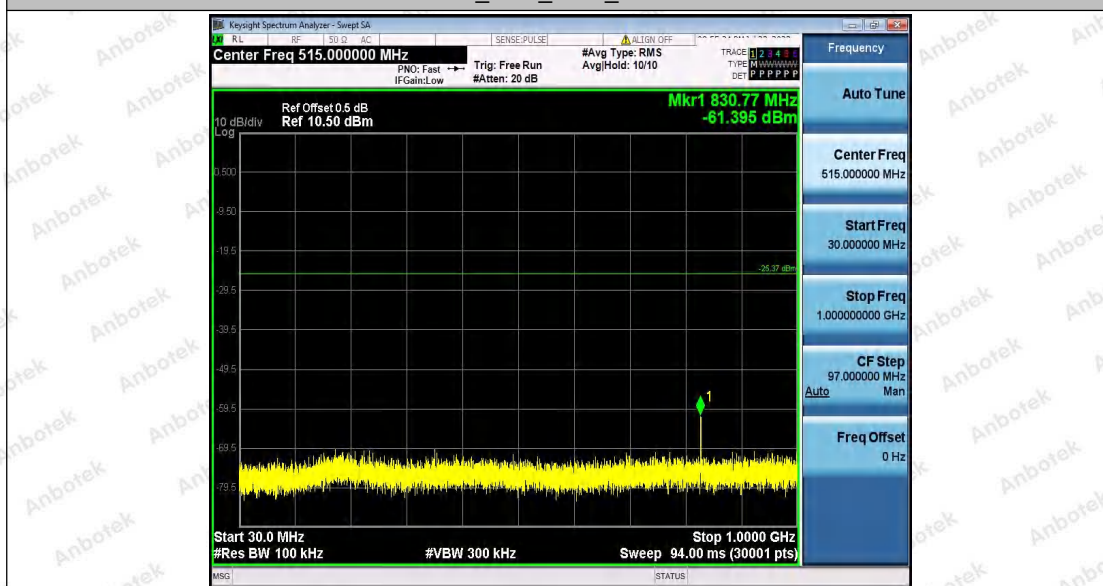
11N40_Ant1_2437_1000~26500



11N40_Ant1_2452_0~Reference



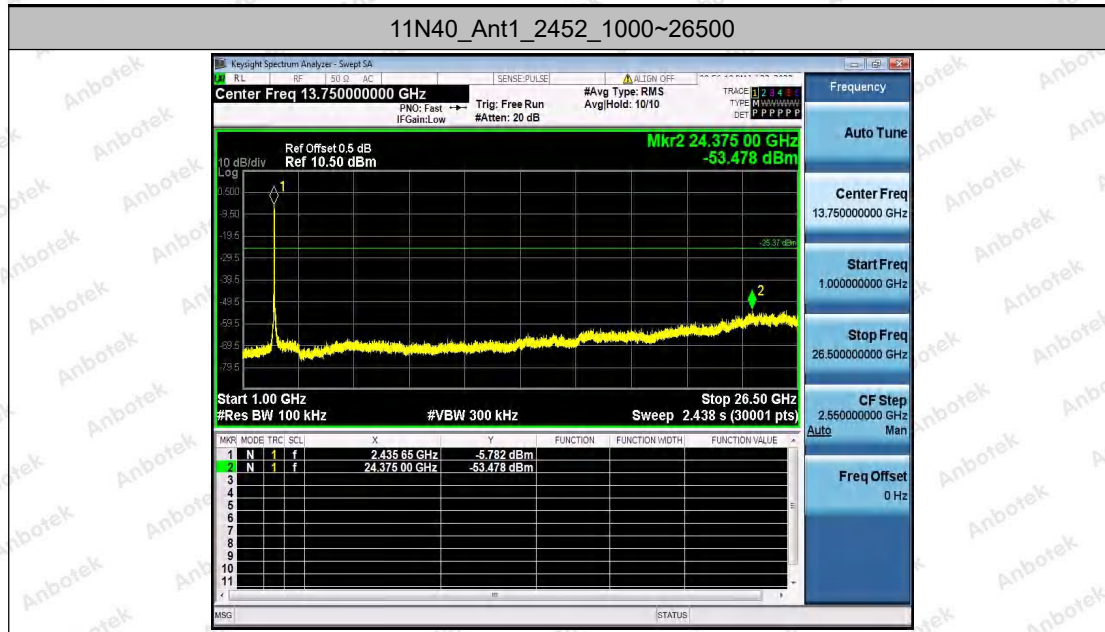
11N40_Ant1_2452_30~1000



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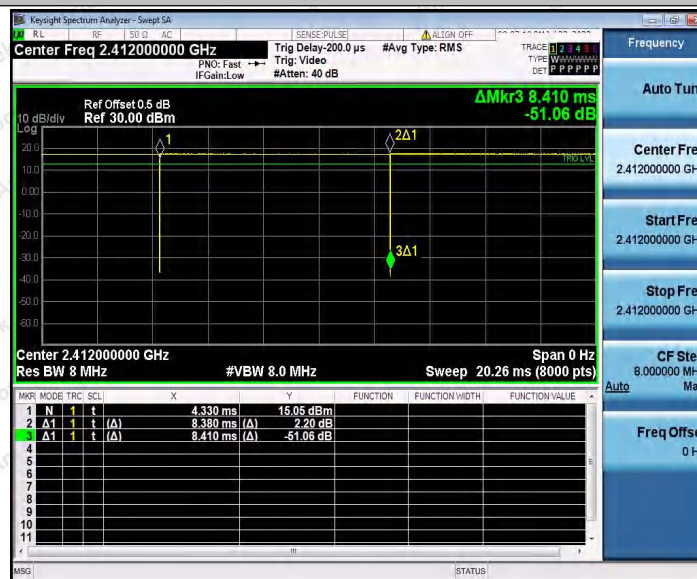
Appendix G: Duty Cycle

Test Result

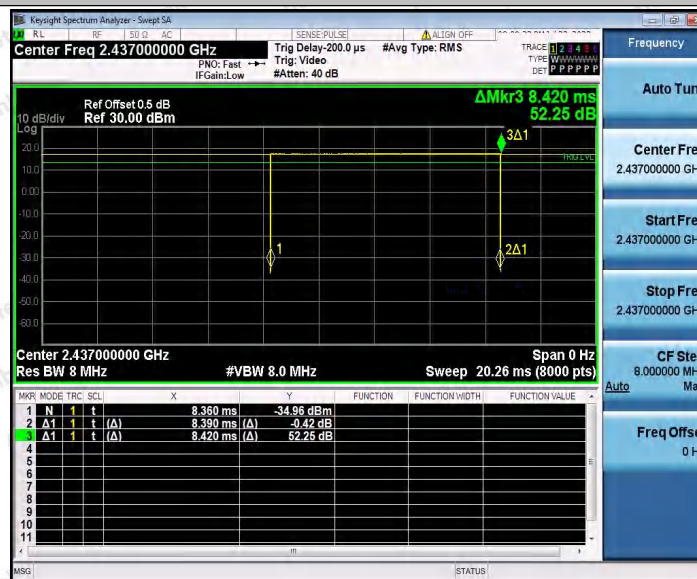
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.44	96.53	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.34	97.01	---	PASS
11N40	Ant1	2422	0.65	0.68	95.59	---	PASS
		2437	0.65	0.68	95.59	---	PASS
		2452	0.65	0.68	95.59	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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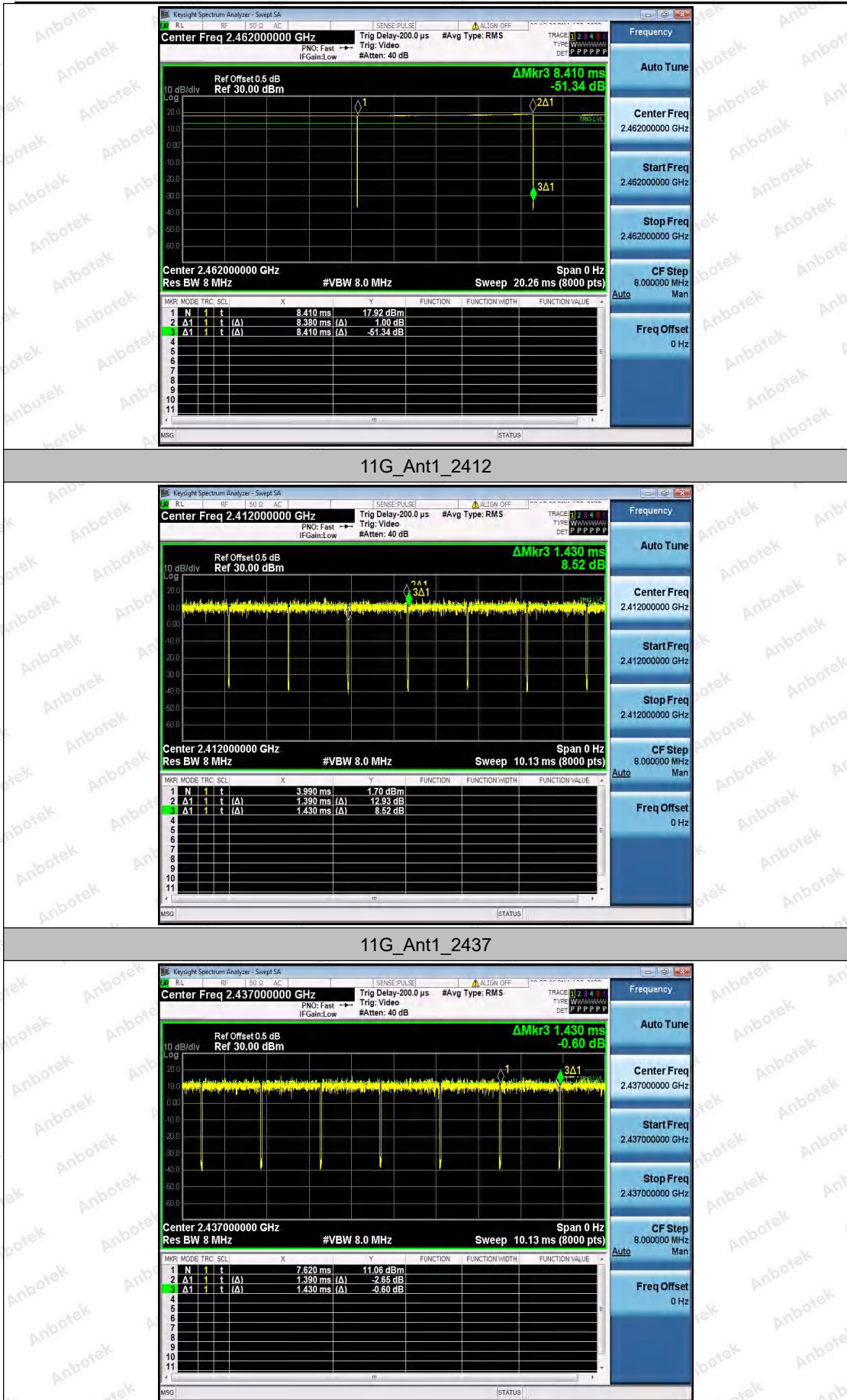
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



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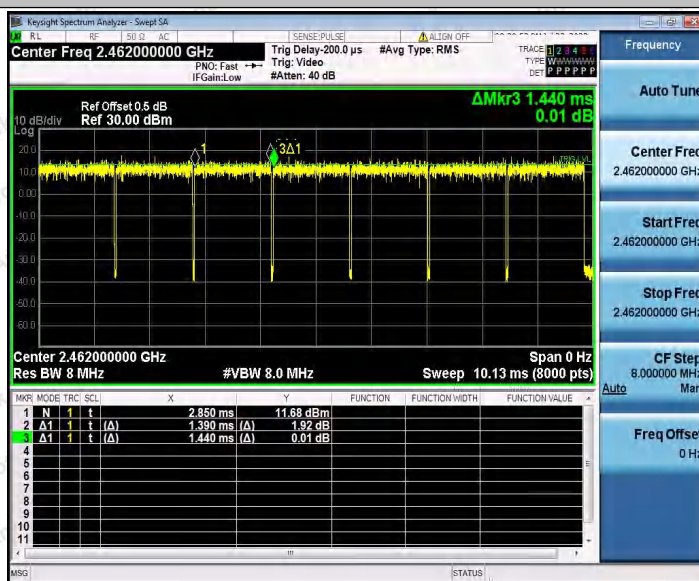


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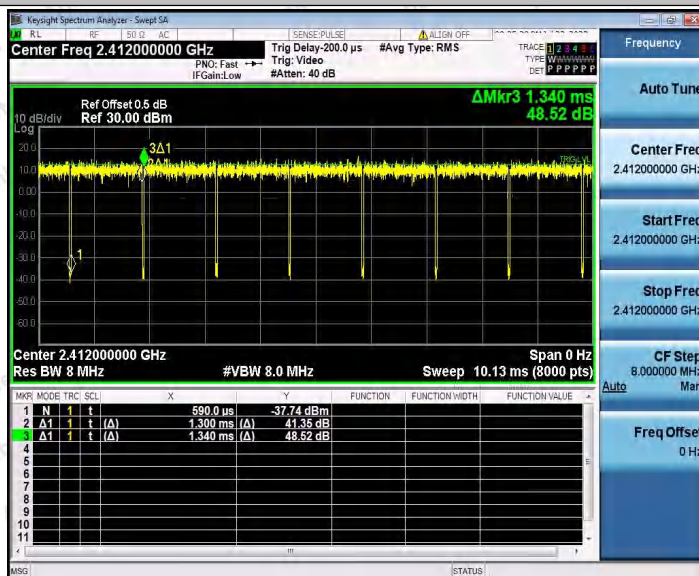
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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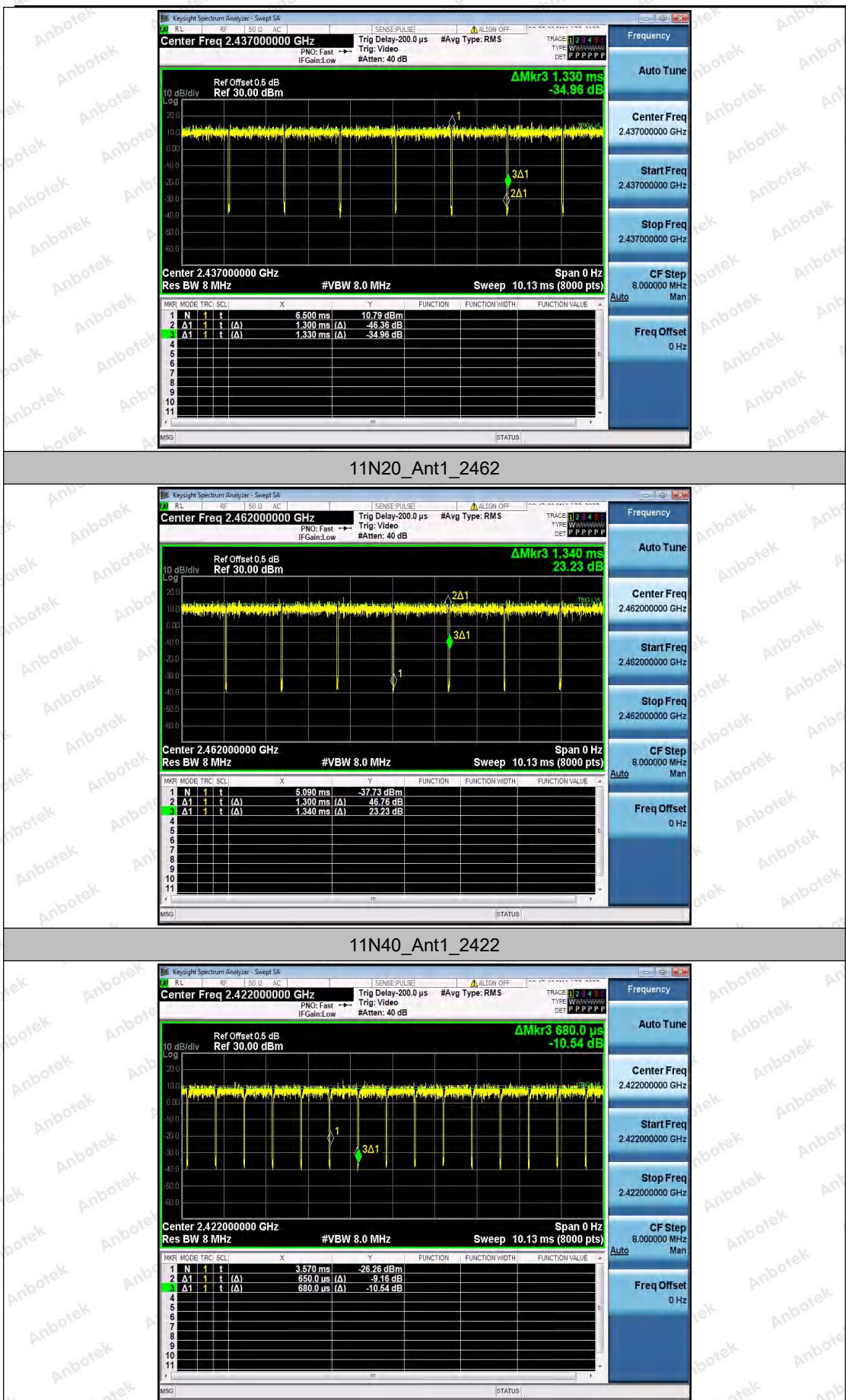
11G_Ant1_2462



11N20_Ant1_2412



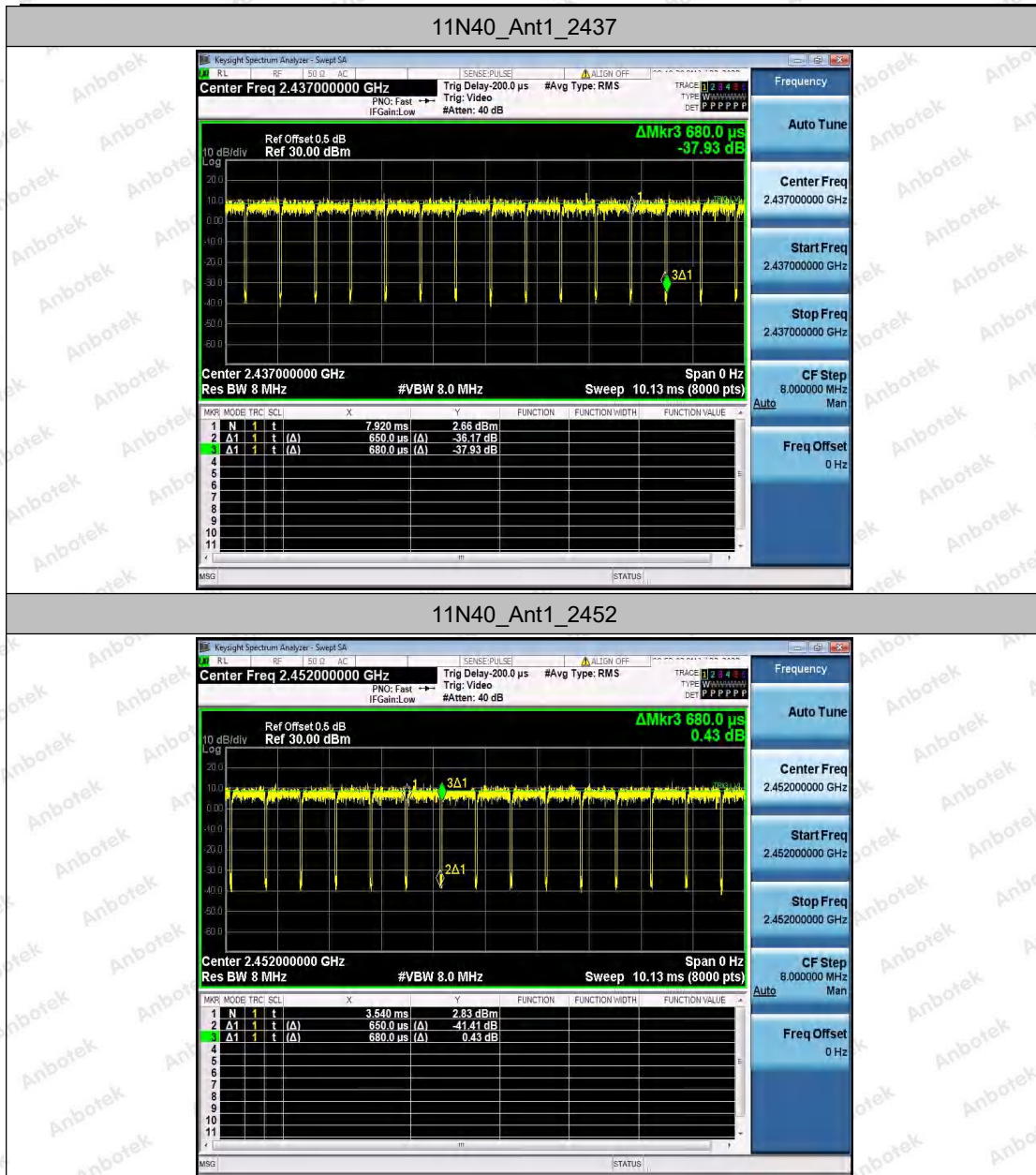
11N20_Ant1_2437



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