

Appendix Test Data

Report No.:	18220WC20012902	Test Sample No.:	1-2-2
Start Test Date:	2022.1.24	Finish Test Date:	2022.1.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.5℃	Relative Humidity:	54.2 %
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	8.720	2432.880	2441.600	≥0.5	PASS
		2462	9.640	2457.400	2467.040	≥0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.480	2453.760	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.360	2403.480	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	33.360	2406.880	2440.240	≥0.5	PASS
		2437	35.580	2419.360	2454.940	≥0.5	PASS
		2452	36.120	2434.060	2470.180	≥0.5	PASS

Test Graphs

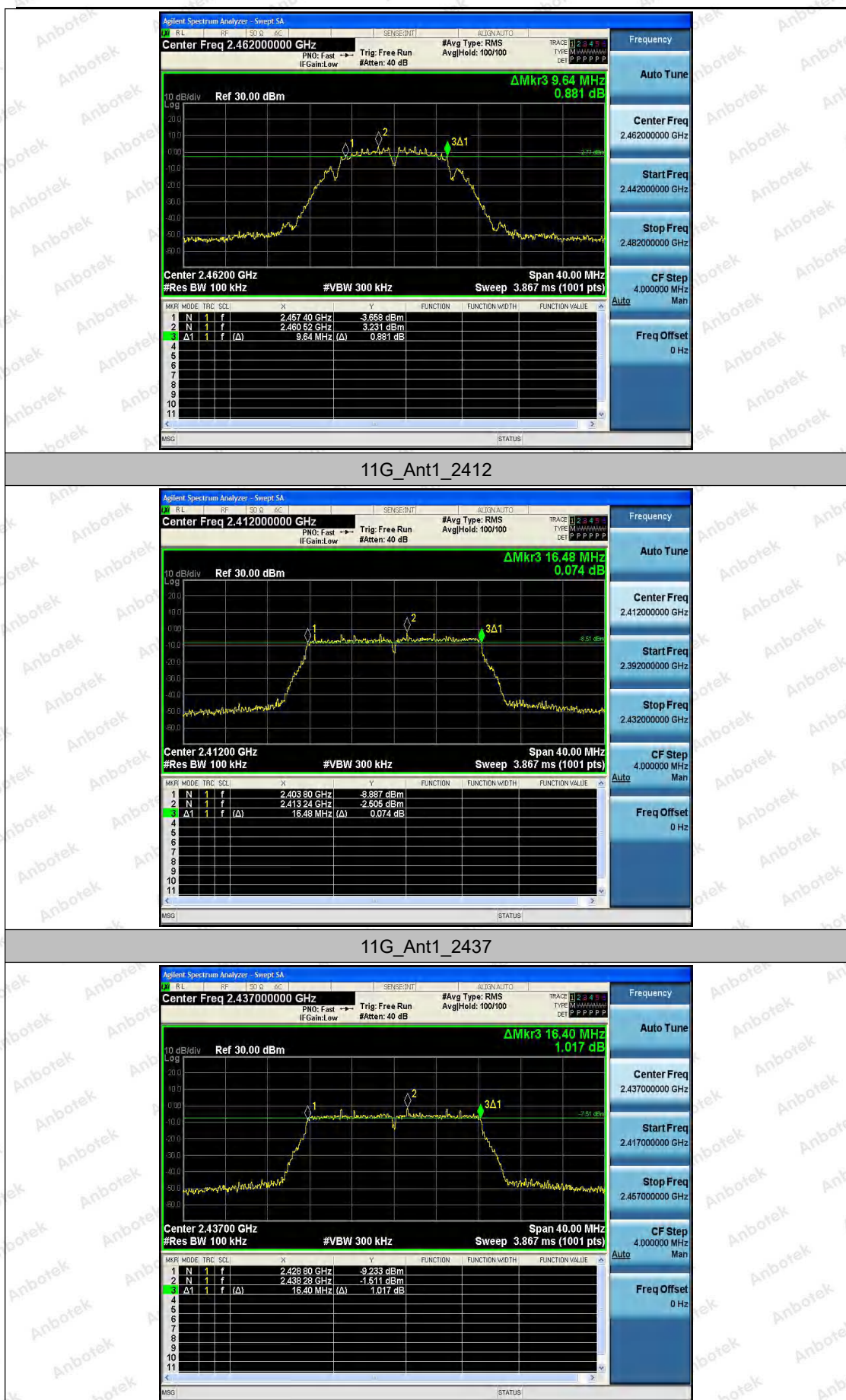
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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11G_Ant1_2462



11N20_Ant1_2412



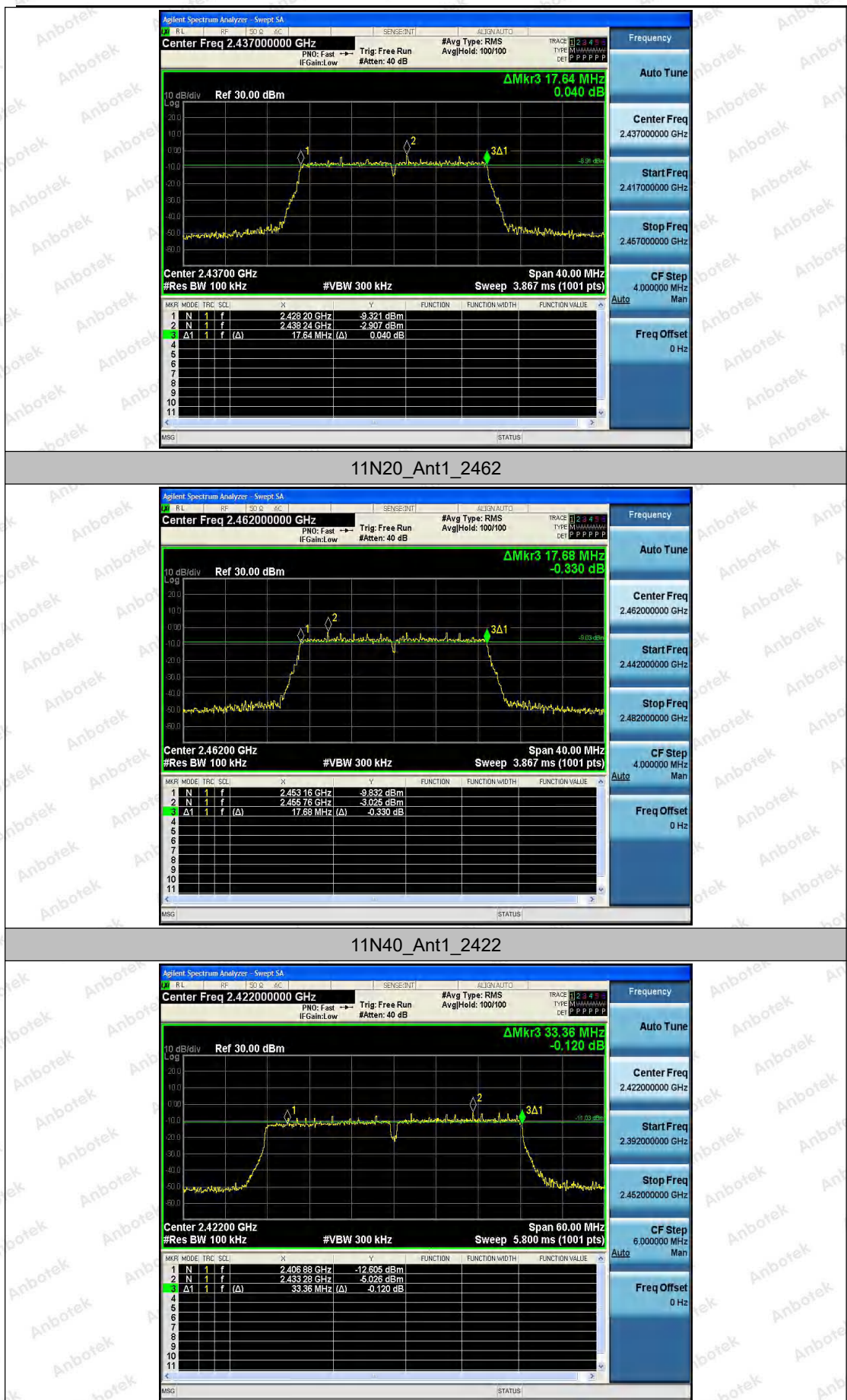
11N20_Ant1_2437

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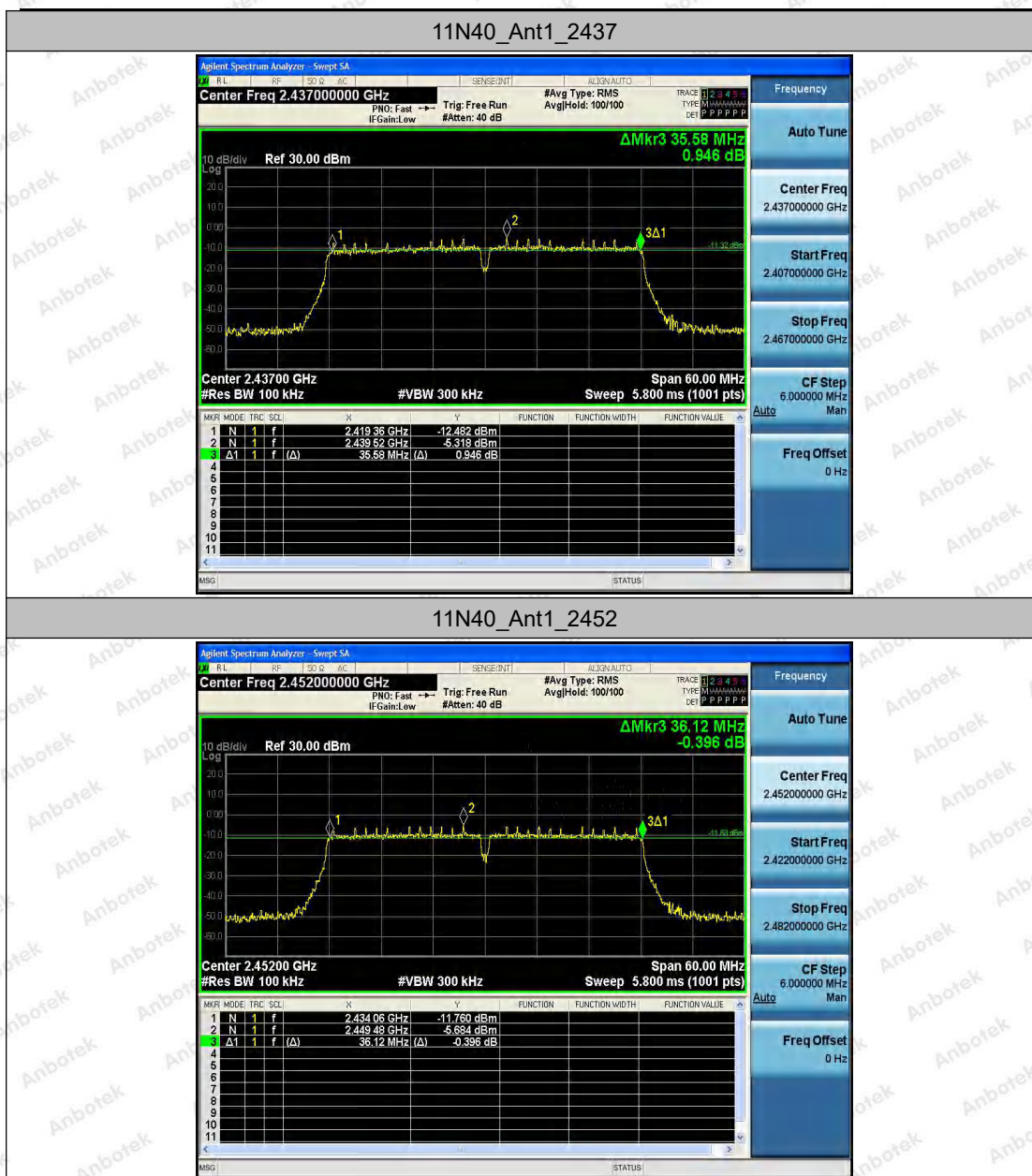
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.331	2405.923	2418.254	---	PASS
		2437	12.257	2430.919	2443.176	---	PASS
		2462	12.298	2455.866	2468.164	---	PASS
11G	Ant1	2412	17.183	2403.452	2420.635	---	PASS
		2437	17.061	2428.492	2445.553	---	PASS
		2462	17.150	2453.413	2470.563	---	PASS
11N20	Ant1	2412	17.967	2403.066	2421.033	---	PASS
		2437	17.956	2428.067	2446.023	---	PASS
		2462	17.990	2453.016	2471.006	---	PASS
11N40	Ant1	2422	36.146	2404.044	2440.190	---	PASS
		2437	36.113	2419.007	2455.120	---	PASS
		2452	36.185	2433.953	2470.138	---	PASS

Test Graphs

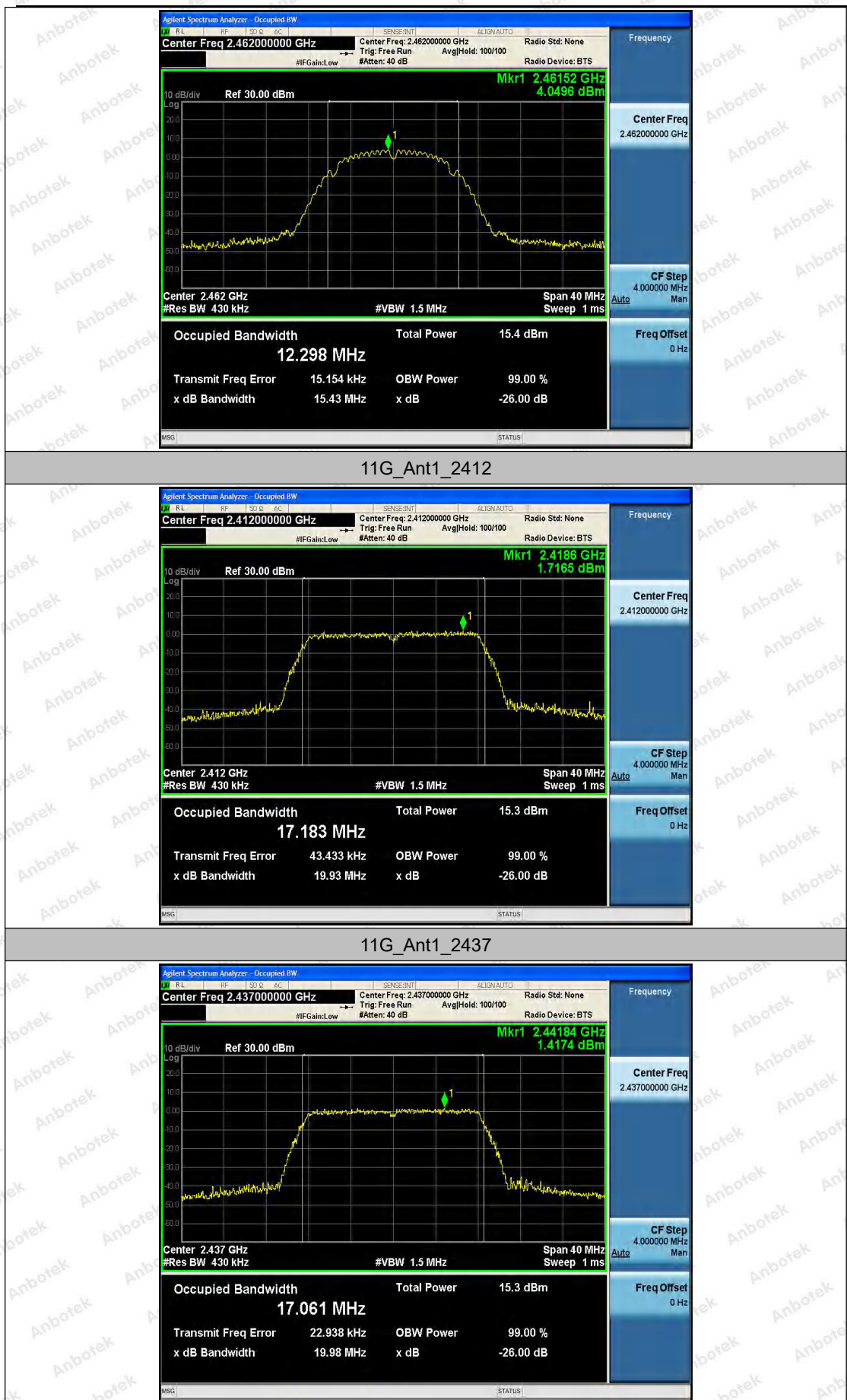


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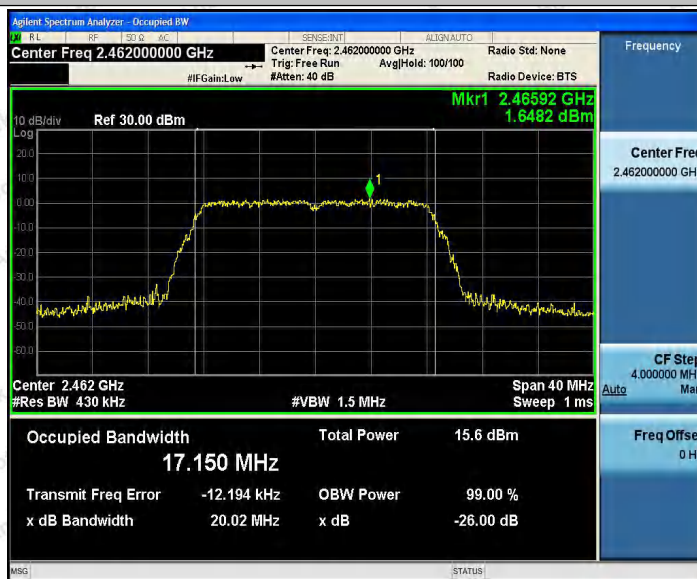
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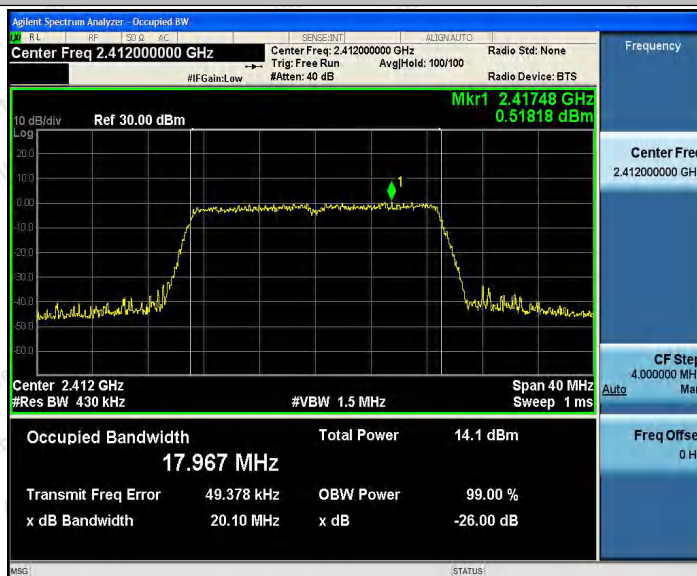
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11G_Ant1_2462



11N20_Ant1_2412



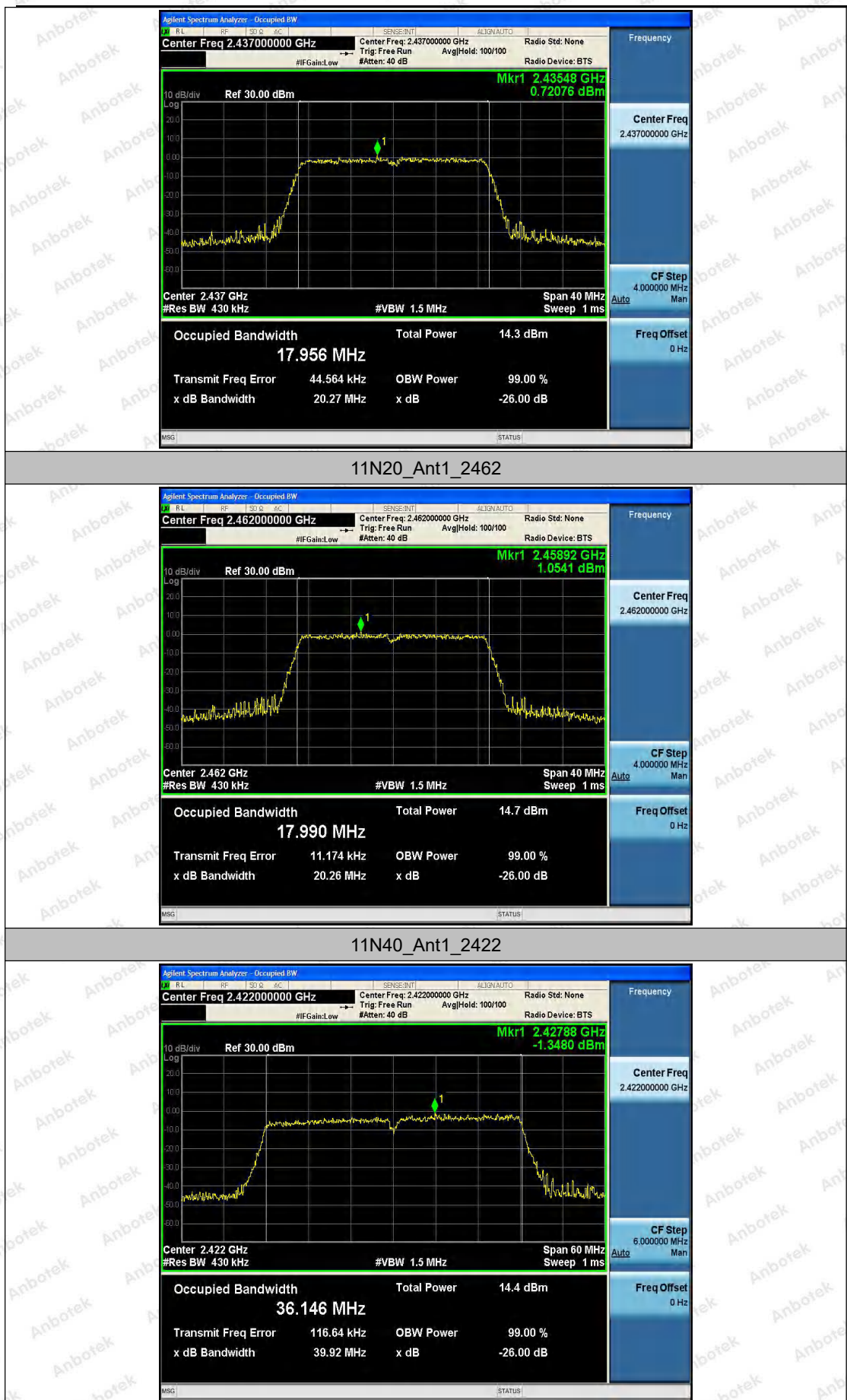
11N20_Ant1_2437

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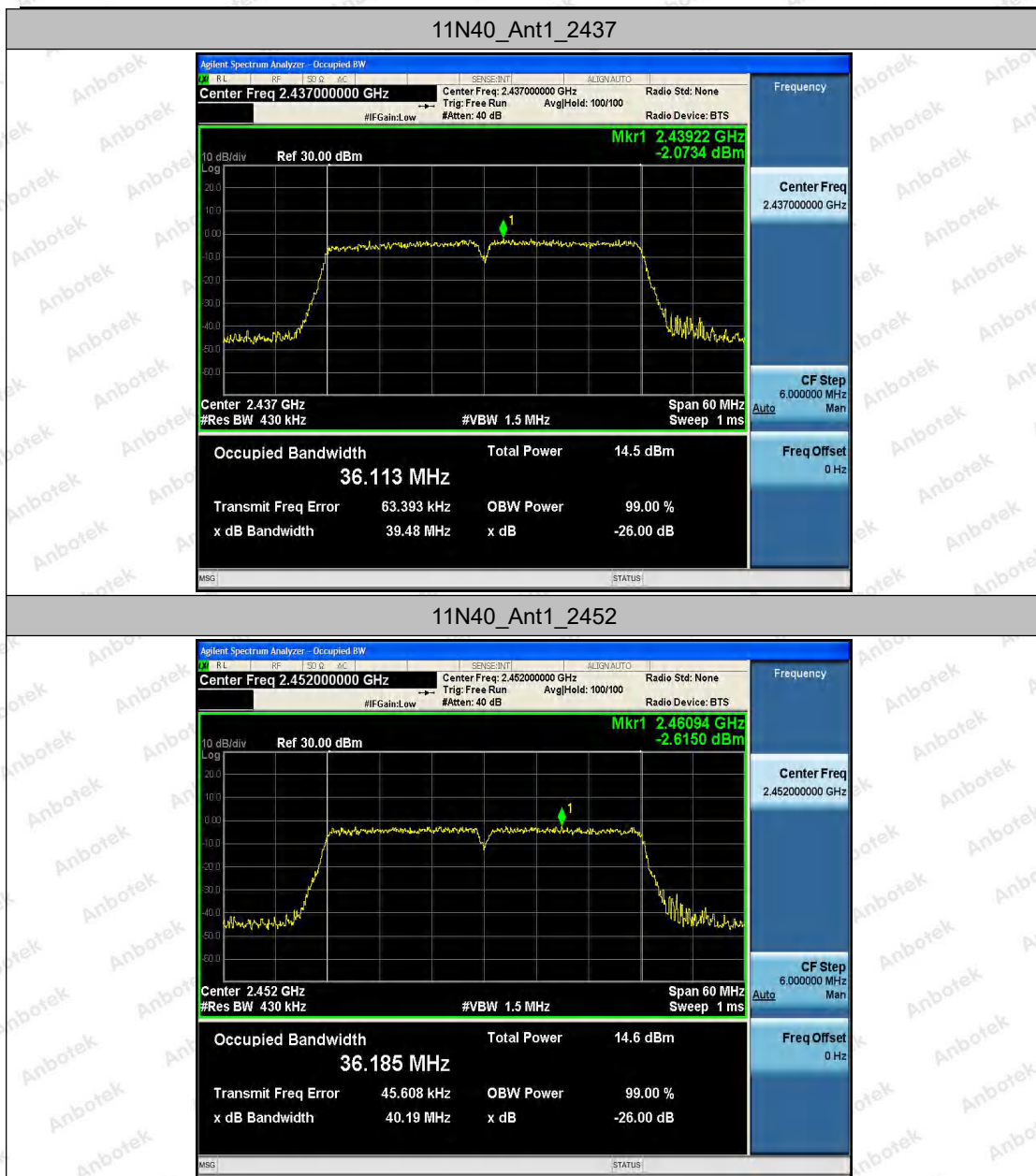


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Appendix C: Maximum conducted output power

Test Result

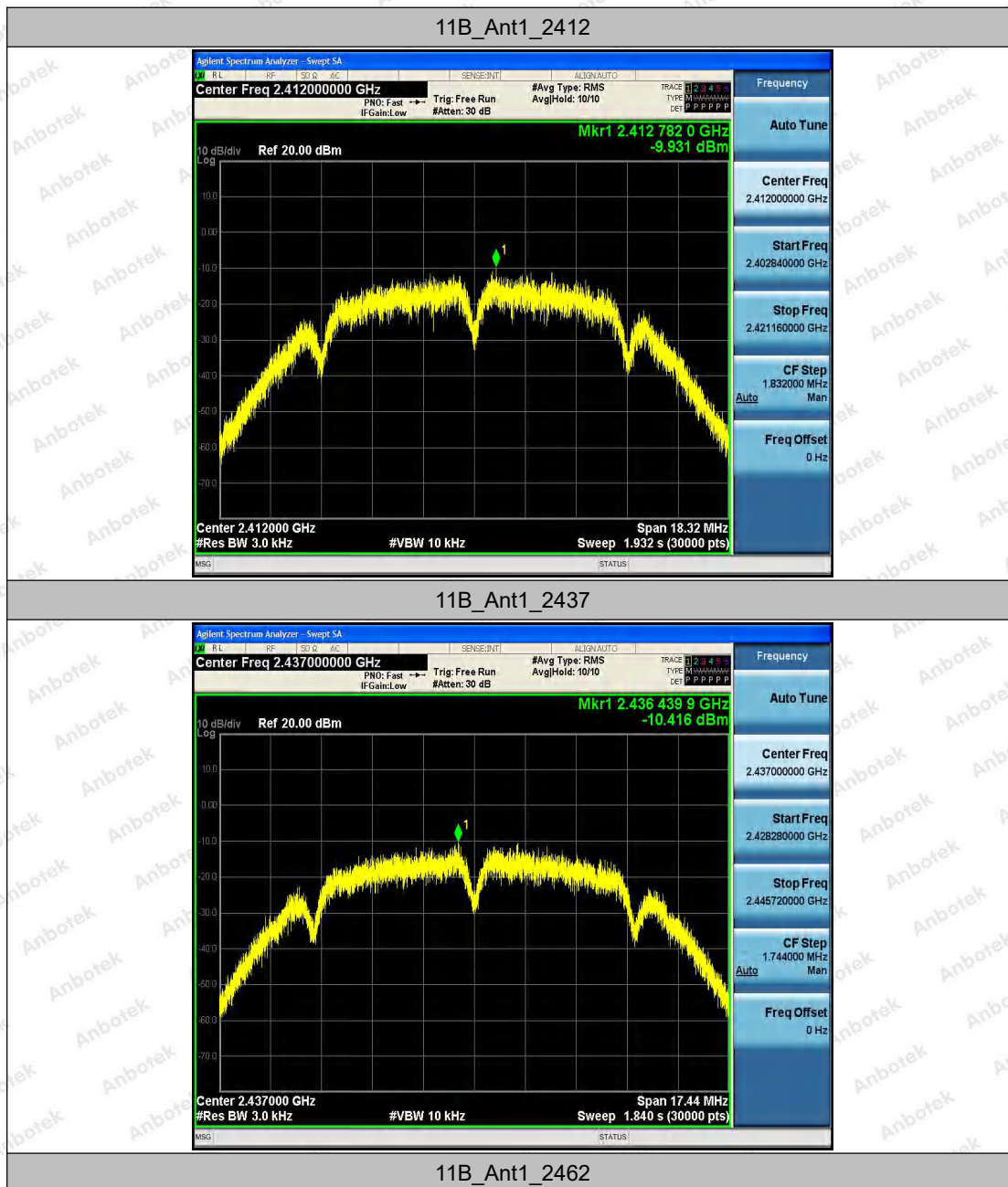
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.02	≤30	PASS
		2437	15.13	≤30	PASS
		2462	15.37	≤30	PASS
11G	Ant1	2412	16.19	≤30	PASS
		2437	16.51	≤30	PASS
		2462	16.79	≤30	PASS
11N20	Ant1	2412	15.45	≤30	PASS
		2437	15.41	≤30	PASS
		2462	15.83	≤30	PASS
11N40	Ant1	2422	12.96	≤30	PASS
		2437	13.26	≤30	PASS
		2452	13.18	≤30	PASS

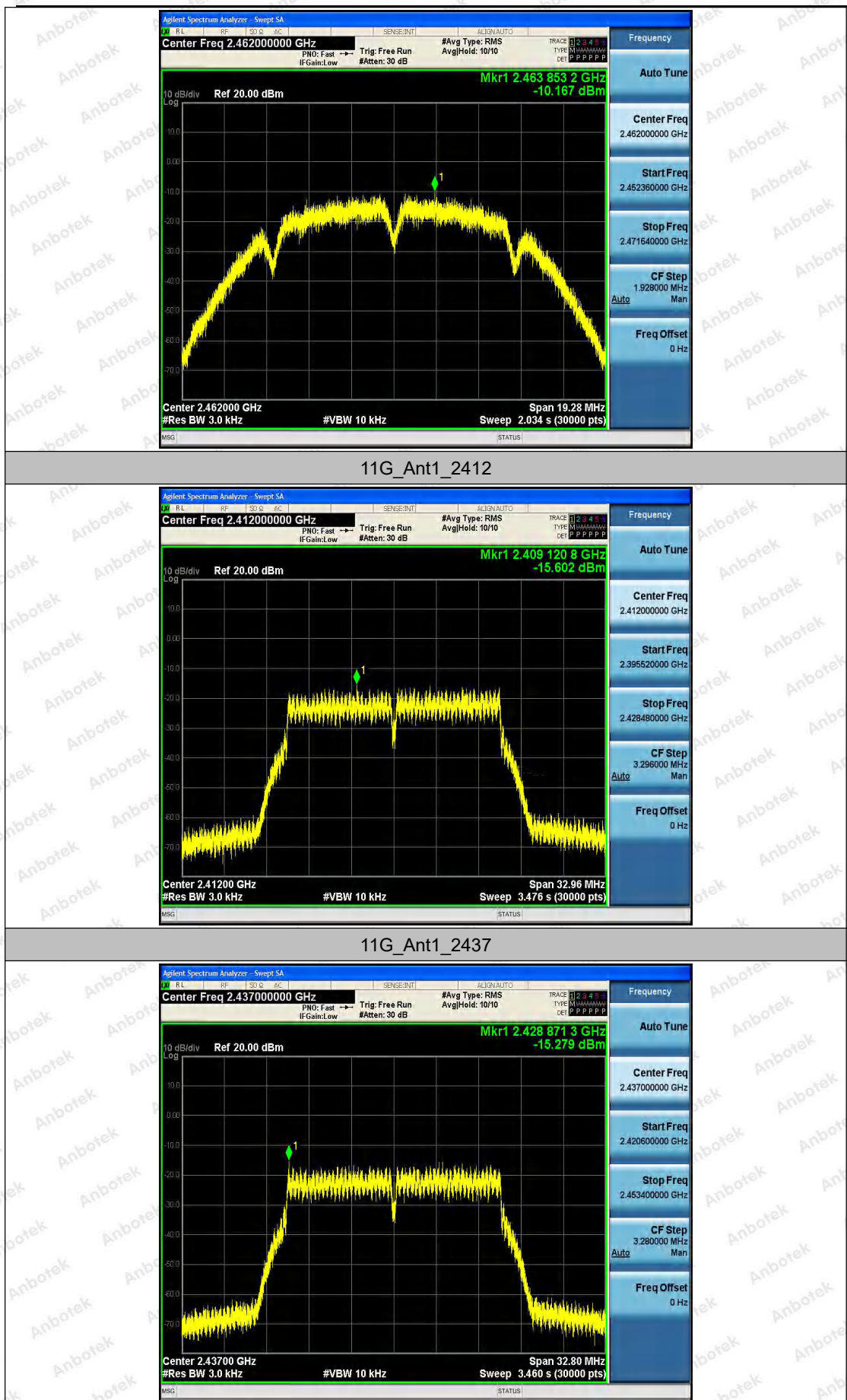
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.93	≤8	PASS
		2437	-10.42	≤8	PASS
		2462	-10.17	≤8	PASS
11G	Ant1	2412	-15.6	≤8	PASS
		2437	-15.28	≤8	PASS
		2462	-15.43	≤8	PASS
11N20	Ant1	2412	-16.21	≤8	PASS
		2437	-16.04	≤8	PASS
		2462	-16.27	≤8	PASS
11N40	Ant1	2422	-18.39	≤8	PASS
		2437	-19.53	≤8	PASS
		2452	-19.75	≤8	PASS

Test Graphs





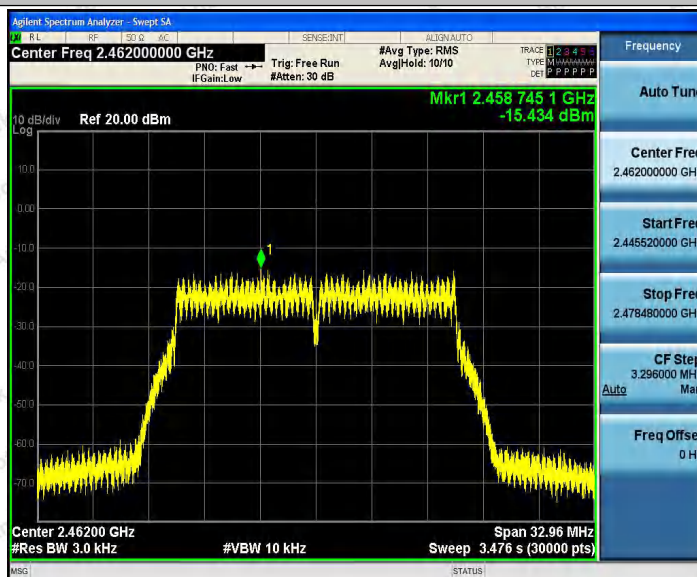
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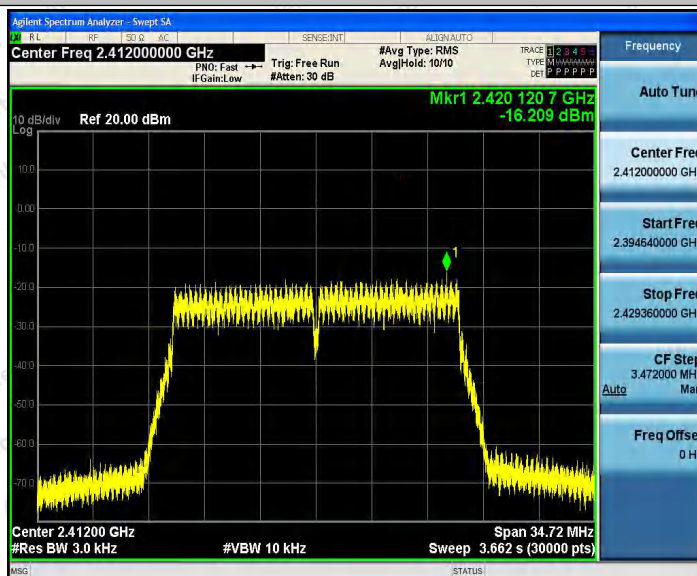
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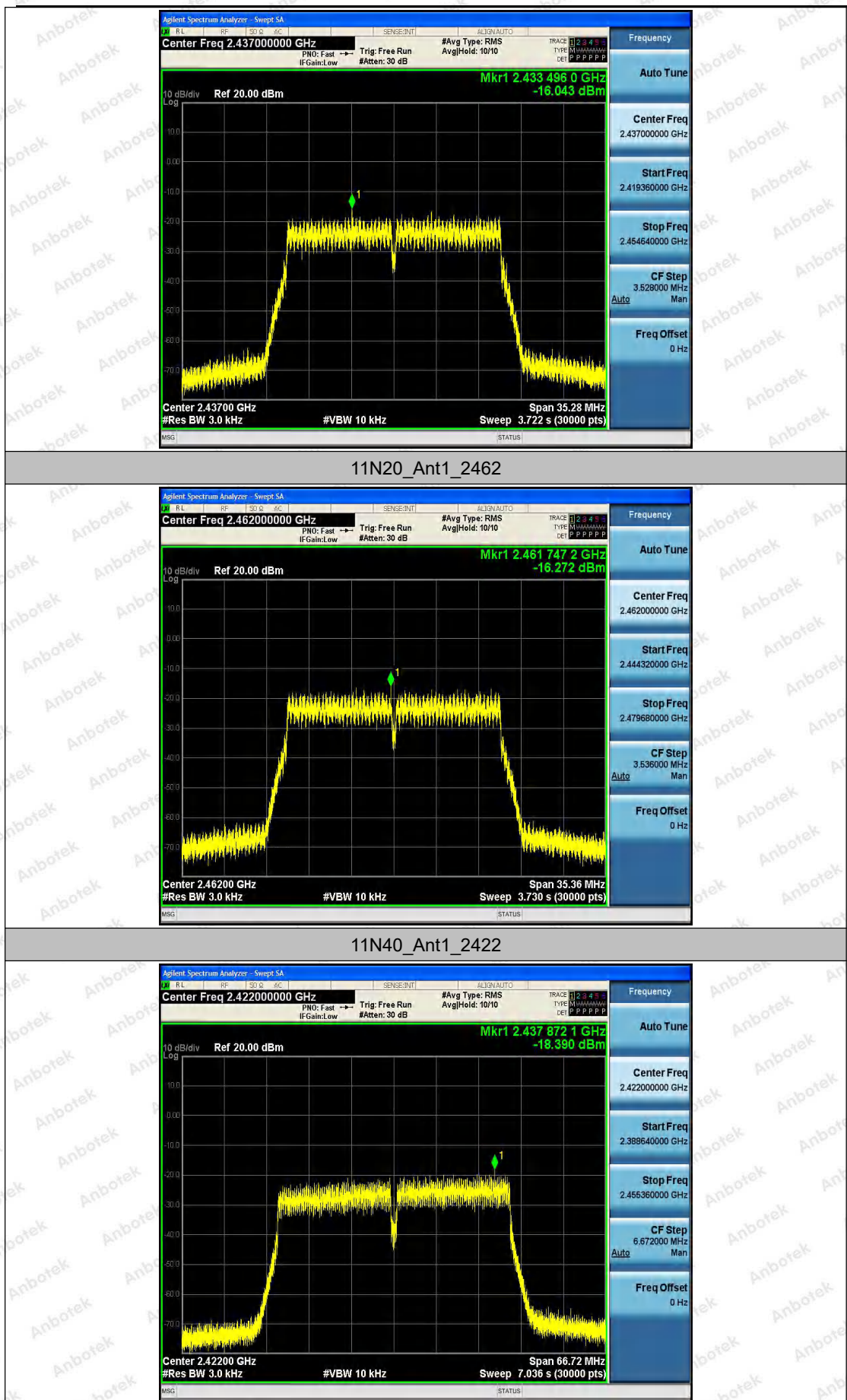
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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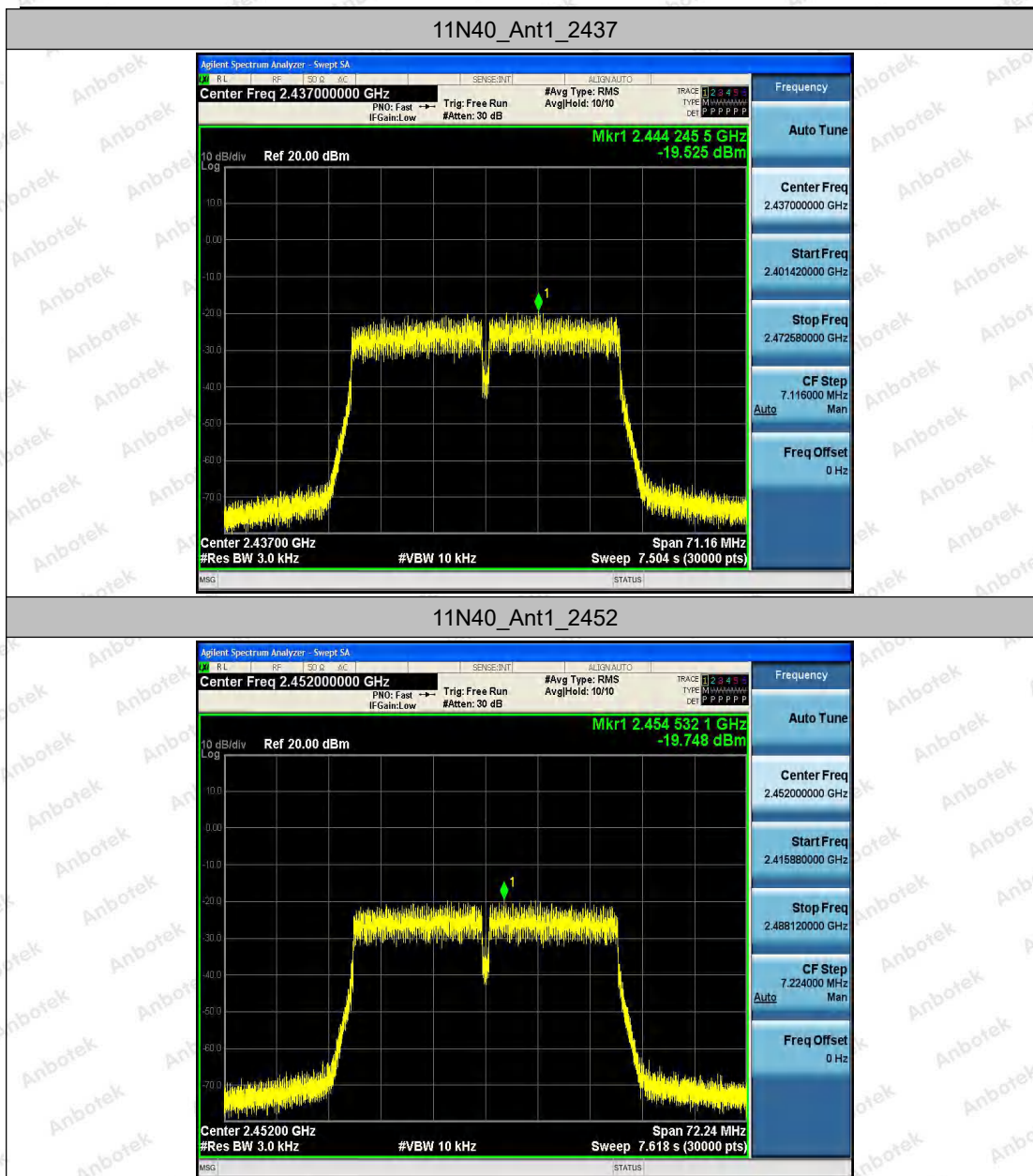
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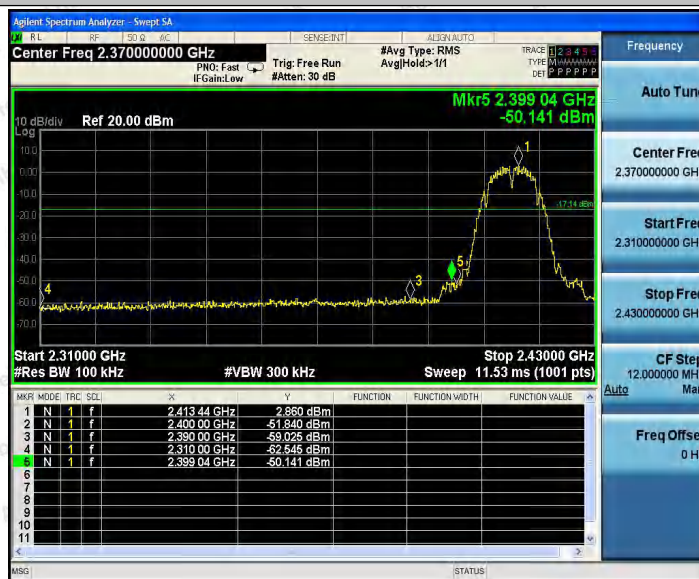
Appendix E: Band edge measurements

Test Result

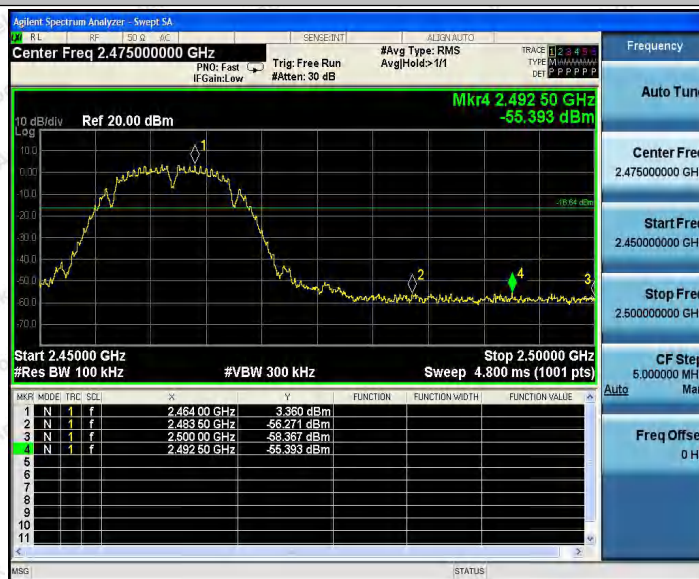
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.86	-50.14	≤ -17.14	PASS
		High	2462	3.36	-55.39	≤ -16.64	PASS
11G	Ant1	Low	2412	-1.85	-42.74	≤ -21.85	PASS
		High	2462	-1.89	-51.52	≤ -21.89	PASS
11N20	Ant1	Low	2412	-2.89	-45.95	≤ -22.89	PASS
		High	2462	-2.41	-52.94	≤ -22.41	PASS
11N40	Ant1	Low	2422	-9.48	-52.3	≤ -29.48	PASS
		High	2452	-5.50	-50.17	≤ -25.5	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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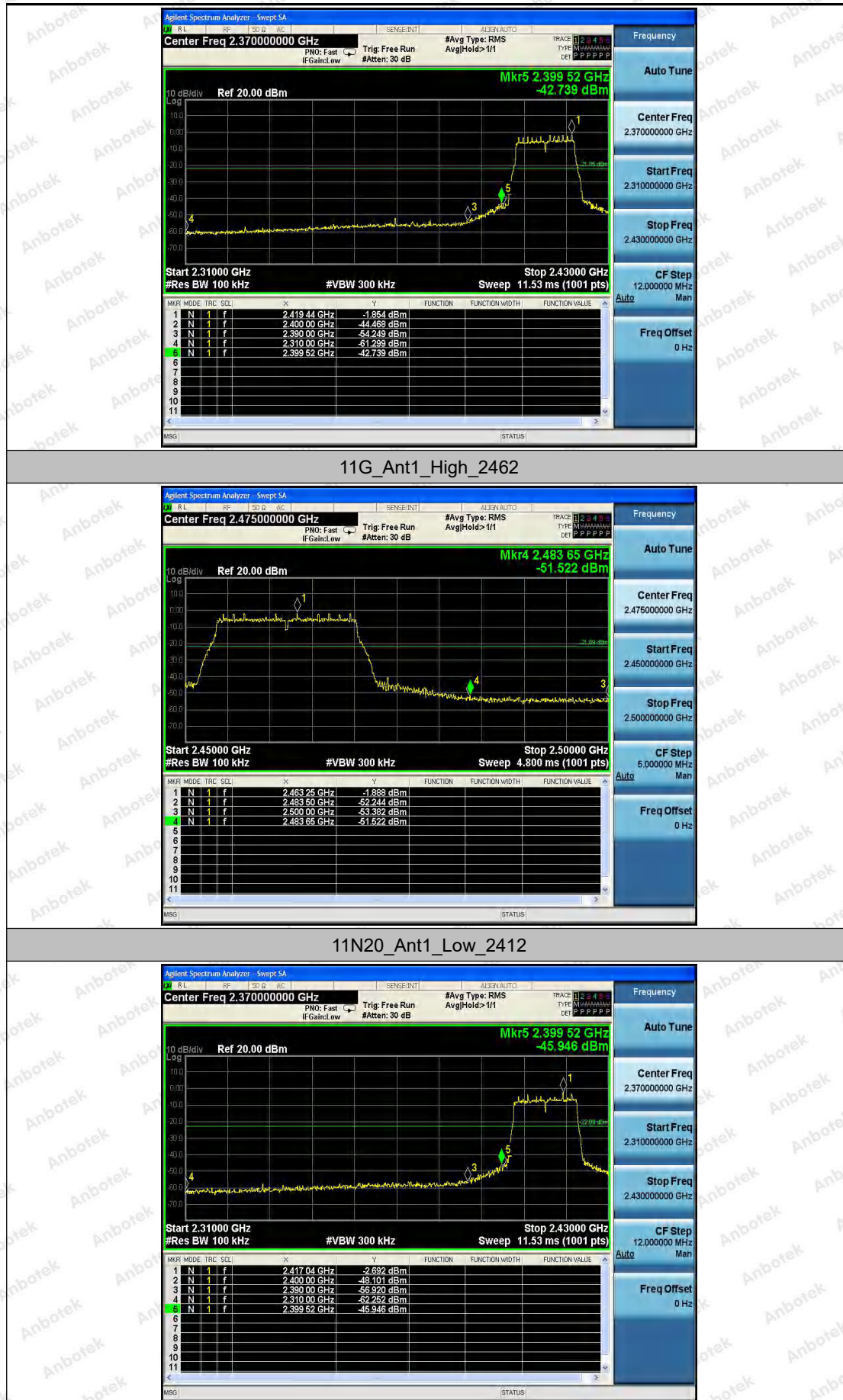
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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



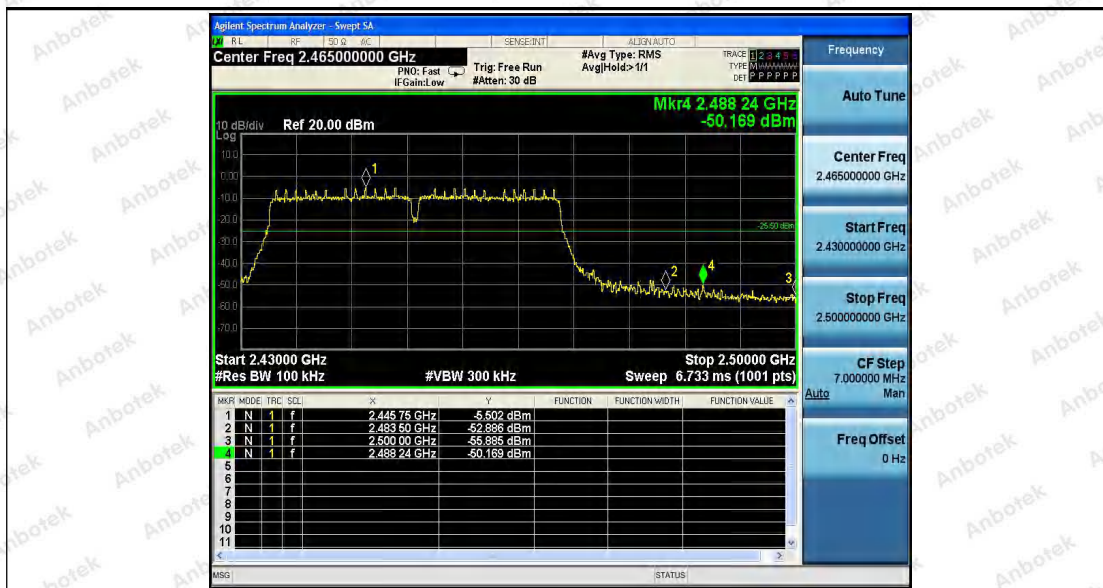
11N40_Ant1_High_2452

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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	3.52	3.52	---	PASS
			30~1000	3.52	-70.17	≤-16.48	PASS
			1000~26500	3.52	-55.69	≤-16.48	PASS
		2437	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-70.6	≤-16.65	PASS
			1000~26500	3.35	-55.61	≤-16.65	PASS
		2462	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-69.97	≤-16.49	PASS
			1000~26500	3.51	-54.84	≤-16.49	PASS
11G	Ant1	2412	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-70.12	≤-22.09	PASS
			1000~26500	-2.09	-55.59	≤-22.09	PASS
		2437	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-70.15	≤-21.52	PASS
			1000~26500	-1.52	-54.68	≤-21.52	PASS
		2462	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-70.41	≤-22	PASS
			1000~26500	-2.00	-55.67	≤-22	PASS
11N20	Ant1	2412	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-70	≤-23.49	PASS
			1000~26500	-3.49	-55.22	≤-23.49	PASS
		2437	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-70.77	≤-23.24	PASS
			1000~26500	-3.24	-54.67	≤-23.24	PASS
		2462	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-70.3	≤-22.39	PASS
			1000~26500	-2.39	-55.48	≤-22.39	PASS
11N40	Ant1	2422	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-69.73	≤-25.36	PASS
			1000~26500	-5.36	-55.33	≤-25.36	PASS
		2437	Reference	-5.43	-5.43	---	PASS
			30~1000	-5.43	-69.8	≤-25.43	PASS
			1000~26500	-5.43	-55.9	≤-25.43	PASS
		2452	Reference	-5.27	-5.27	---	PASS
			30~1000	-5.27	-70.3	≤-25.27	PASS
			1000~26500	-5.27	-55.45	≤-25.27	PASS

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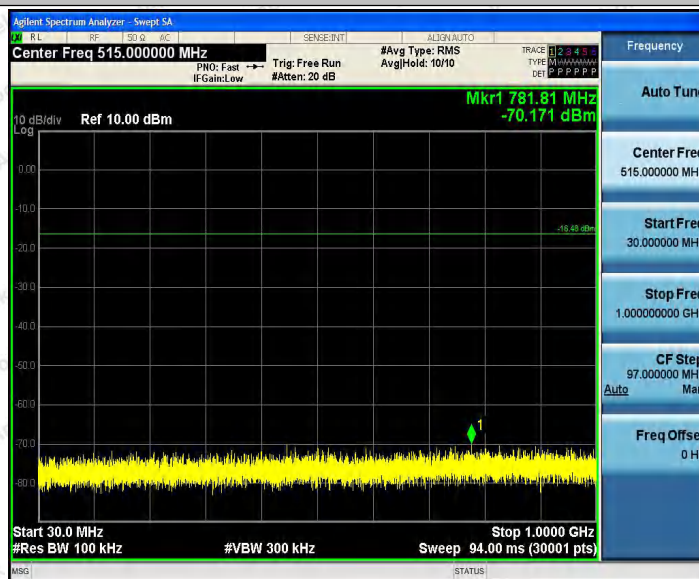
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Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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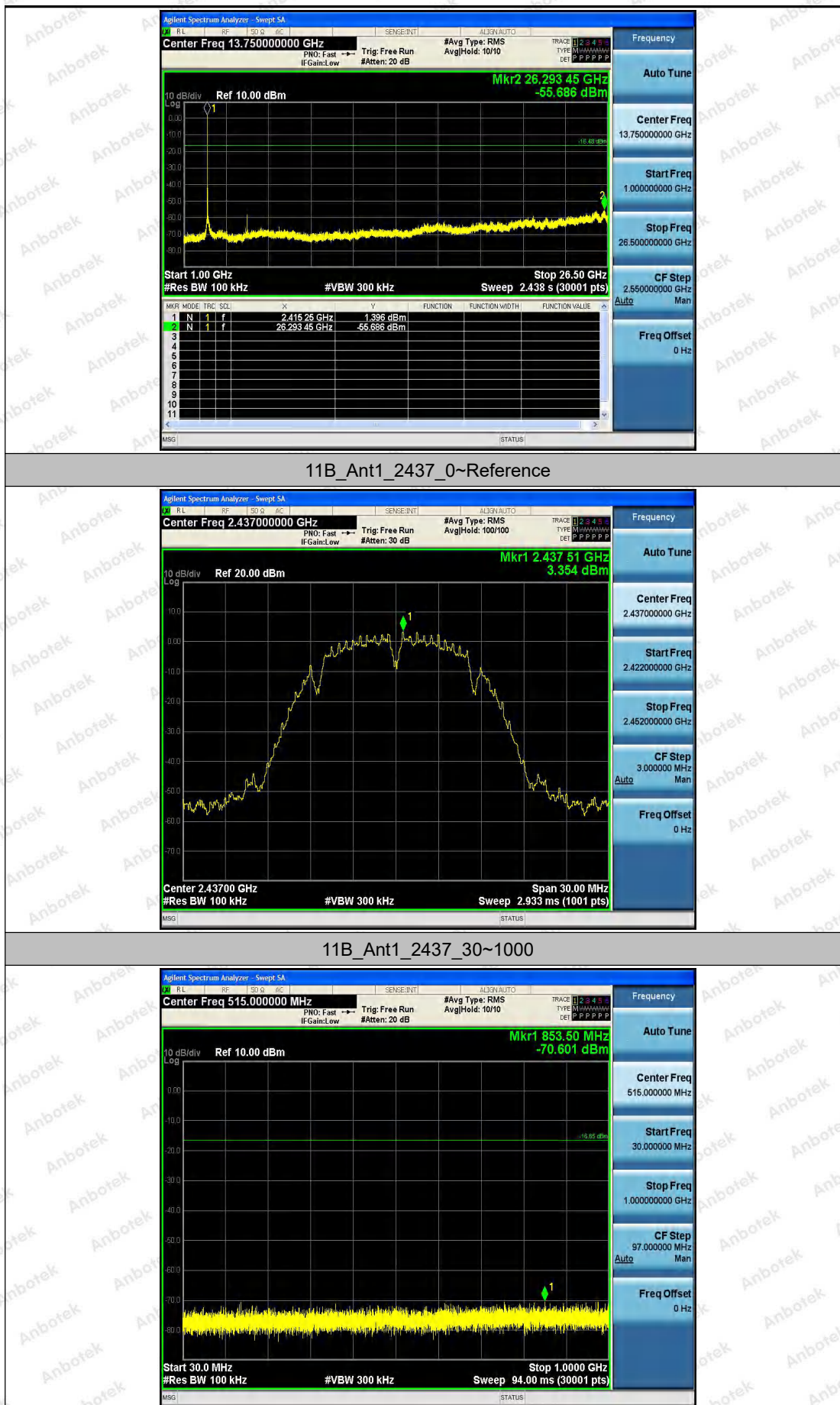
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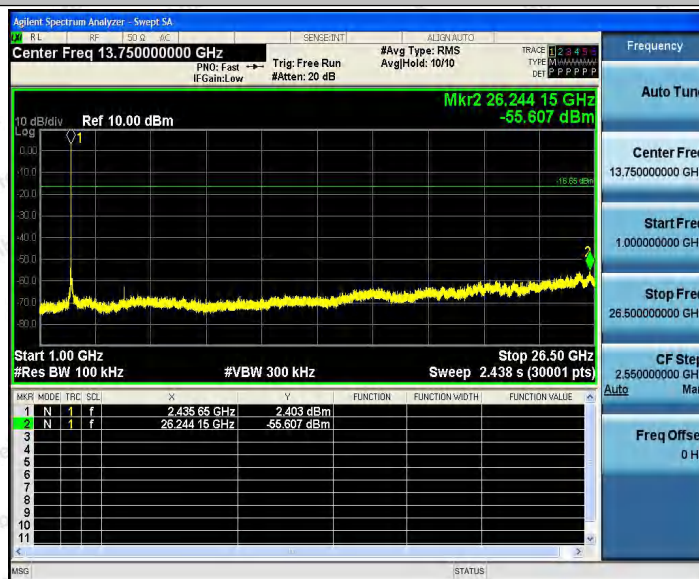
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



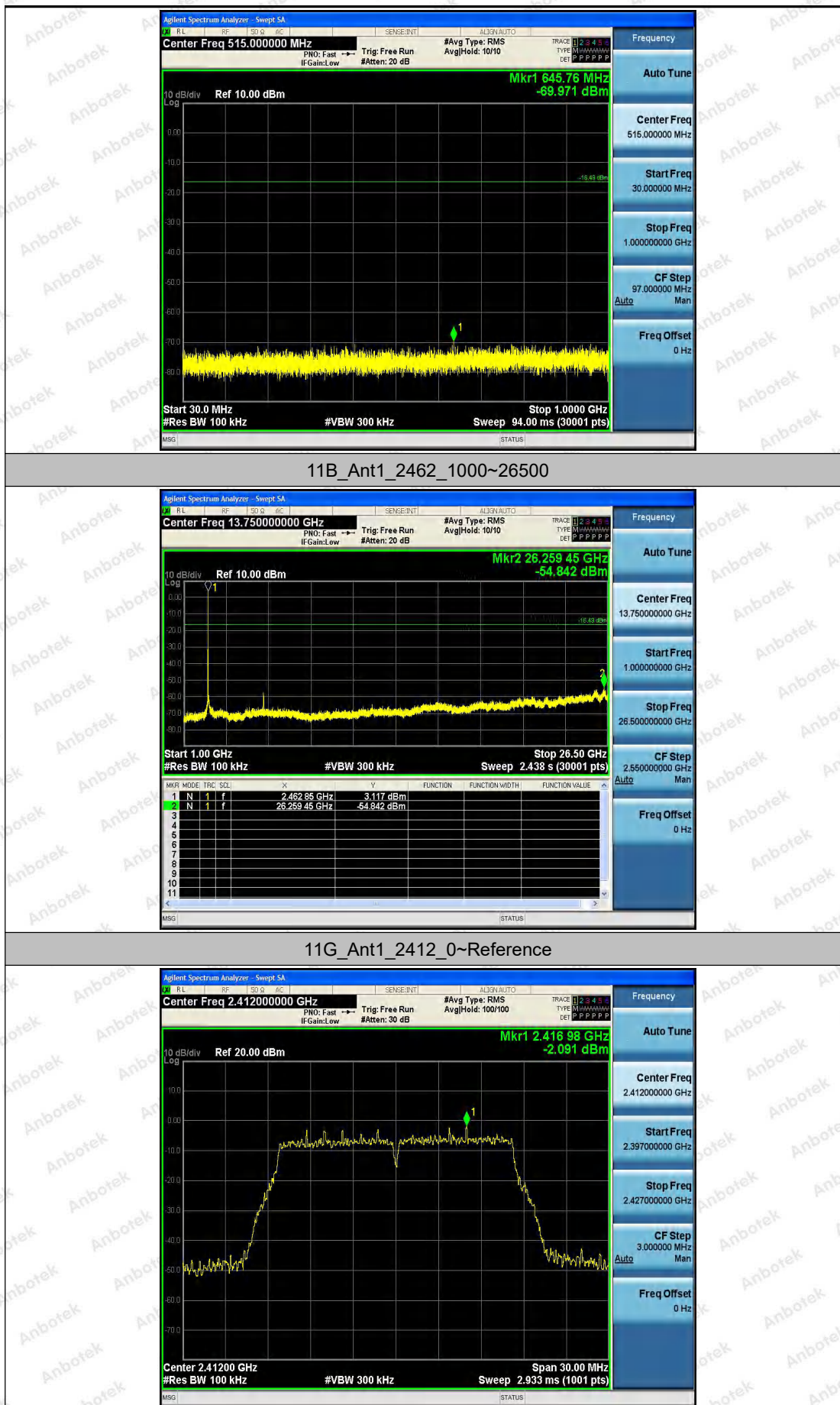
11B_Ant1_2462_30~1000

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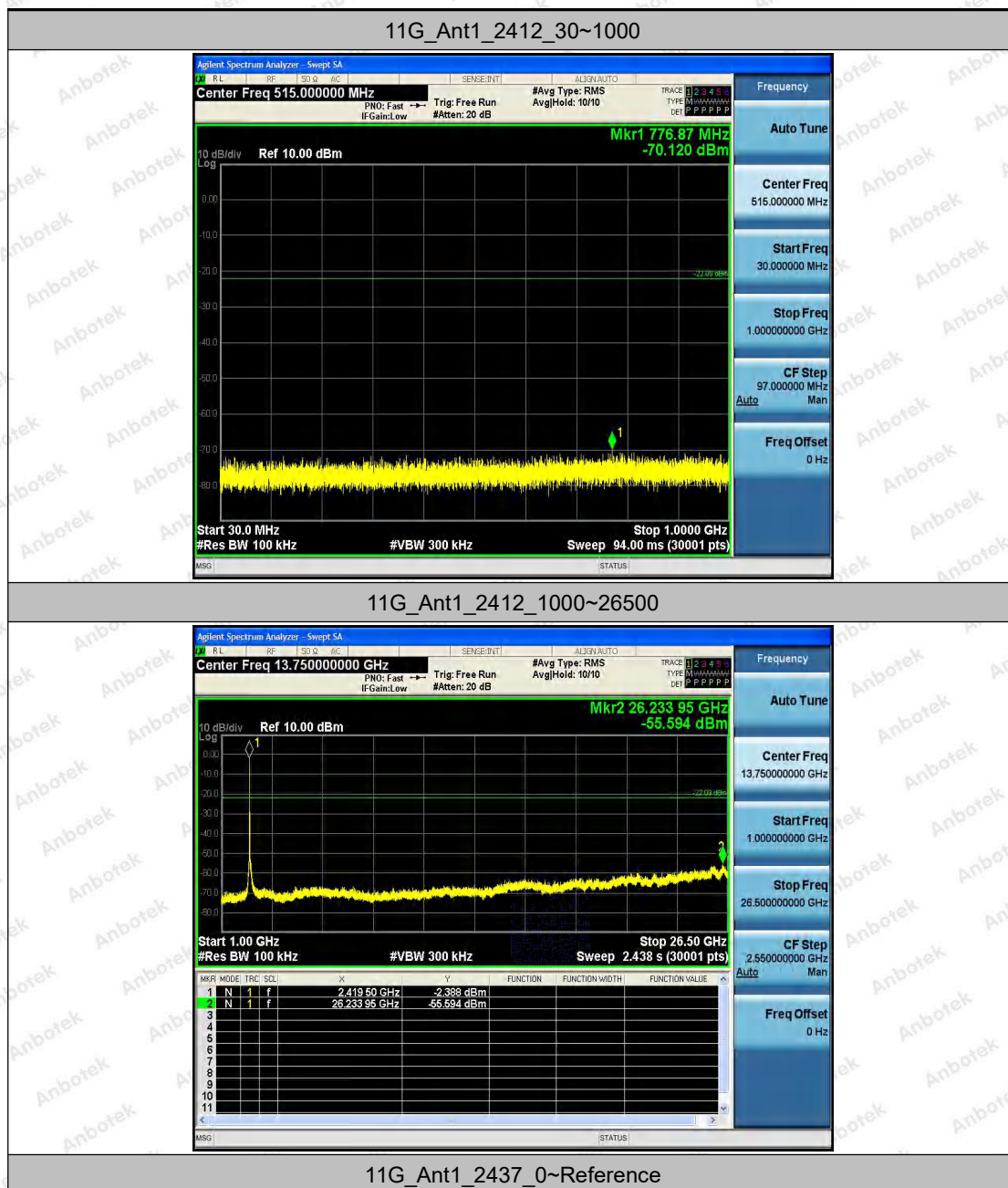


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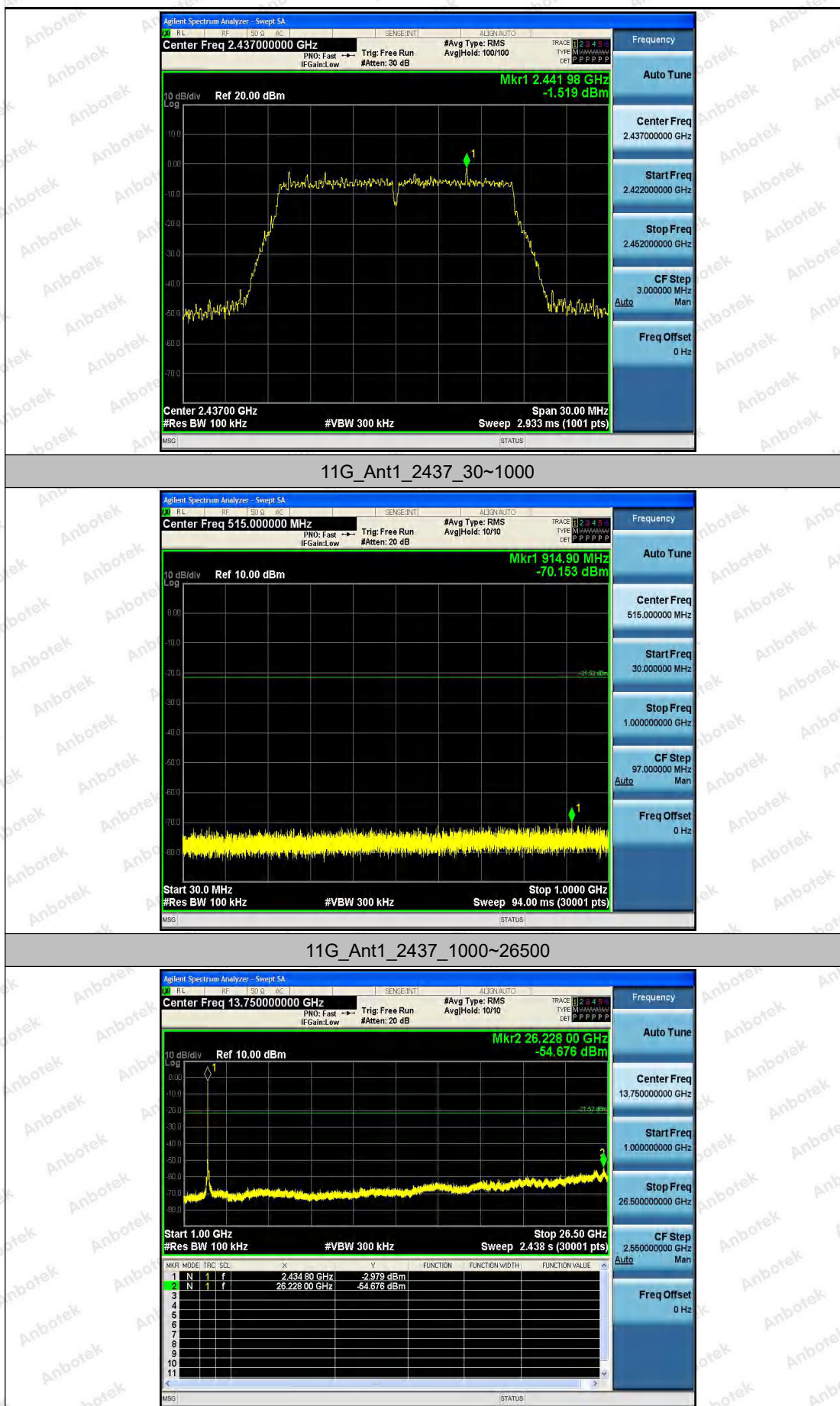


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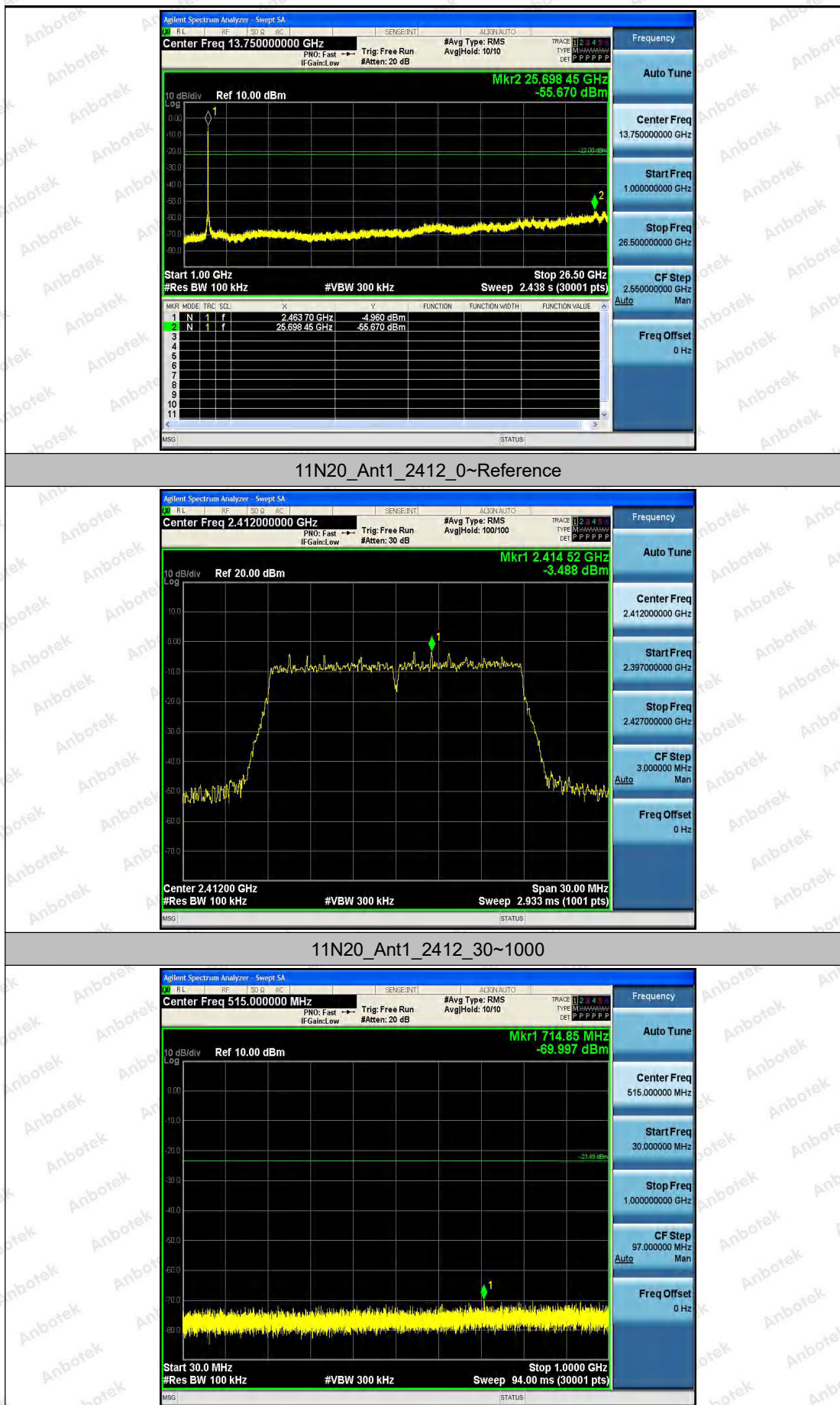
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11N20_Ant1_2412_0~Reference

11N20_Ant1_2412_30~1000

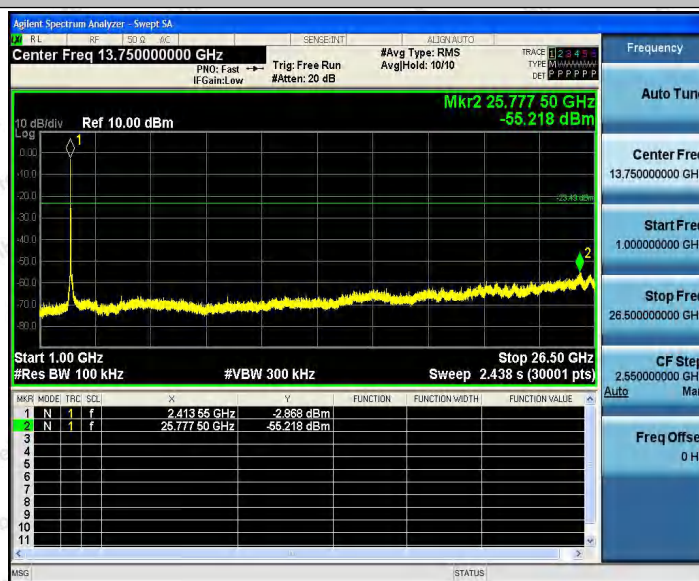
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



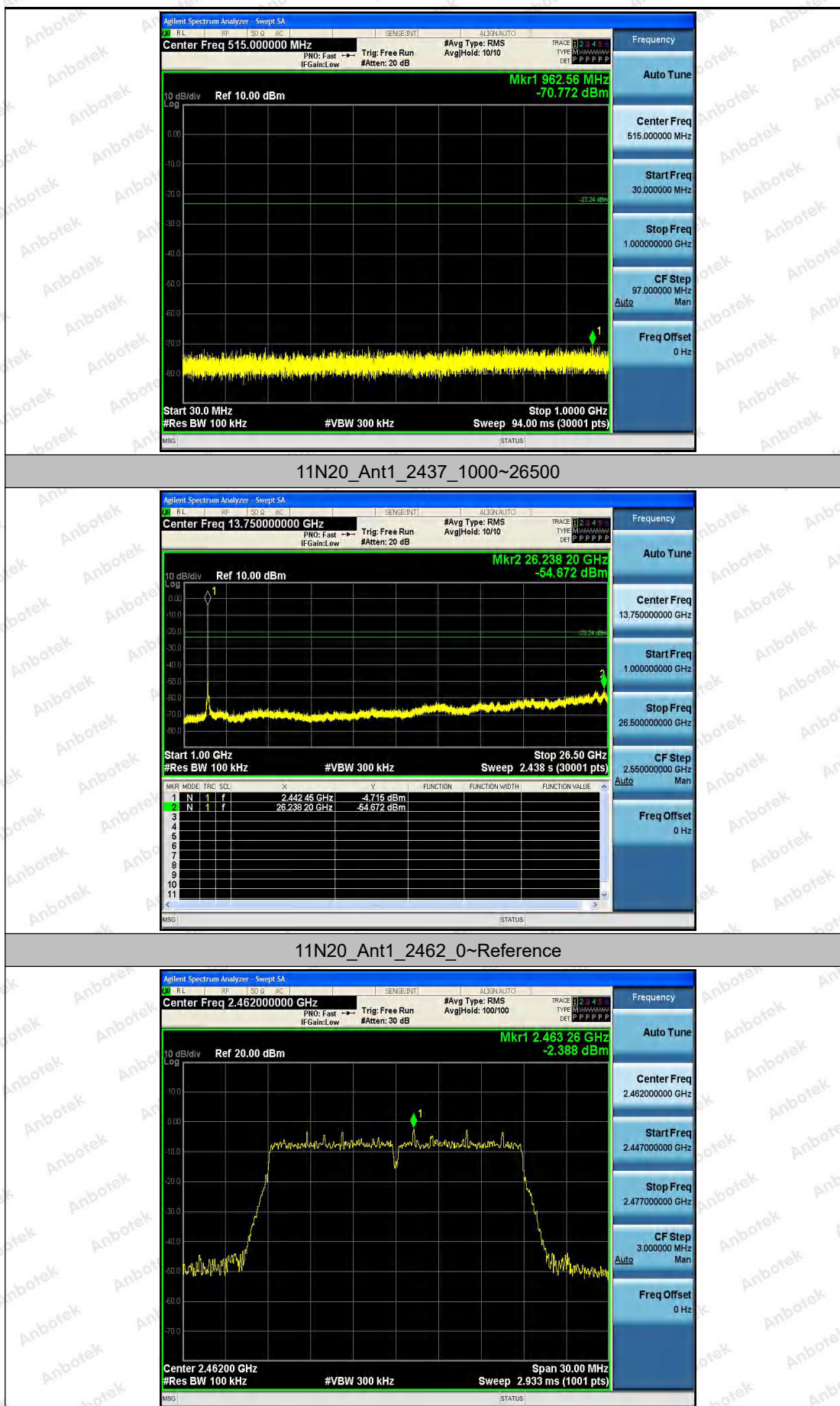
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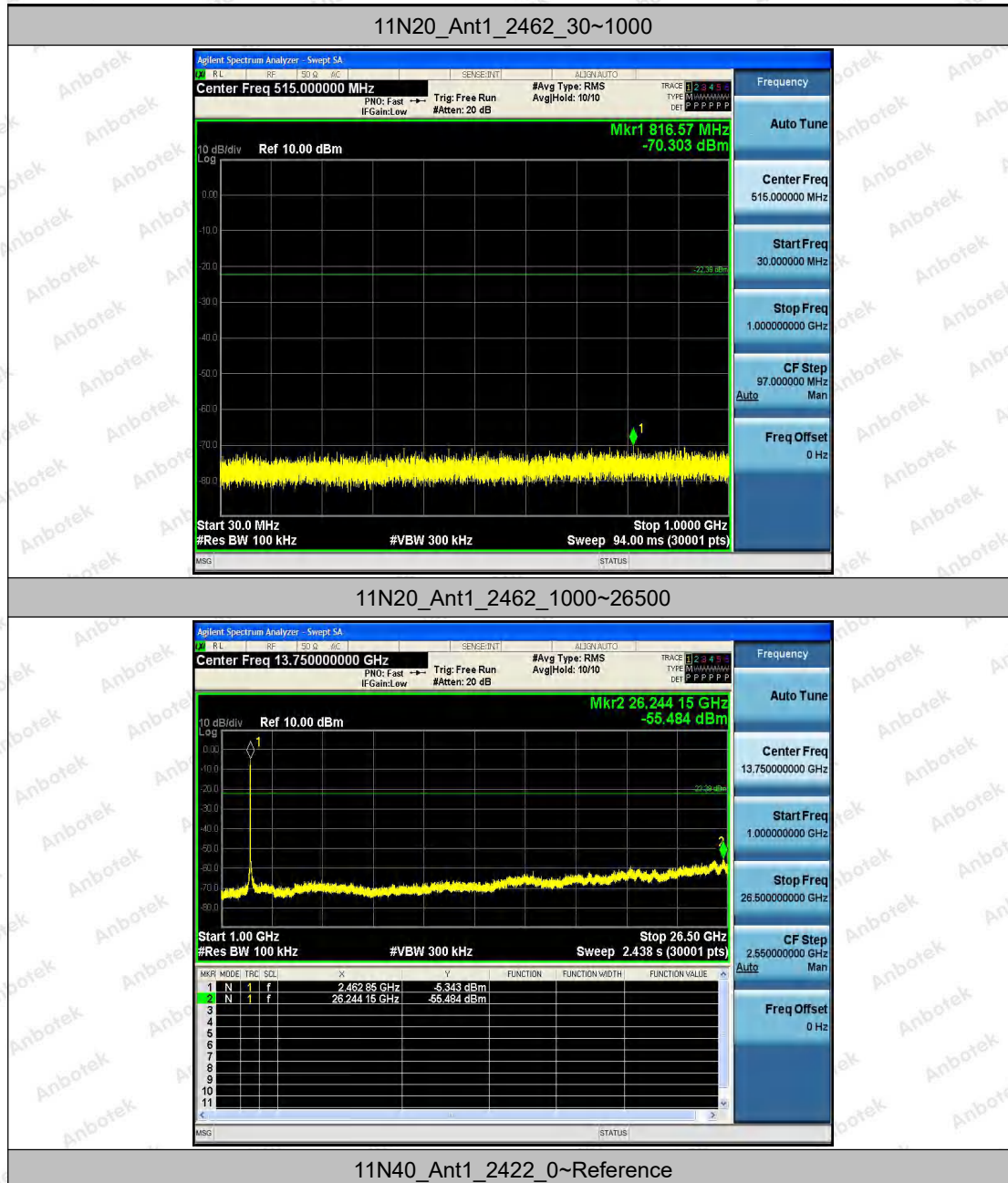


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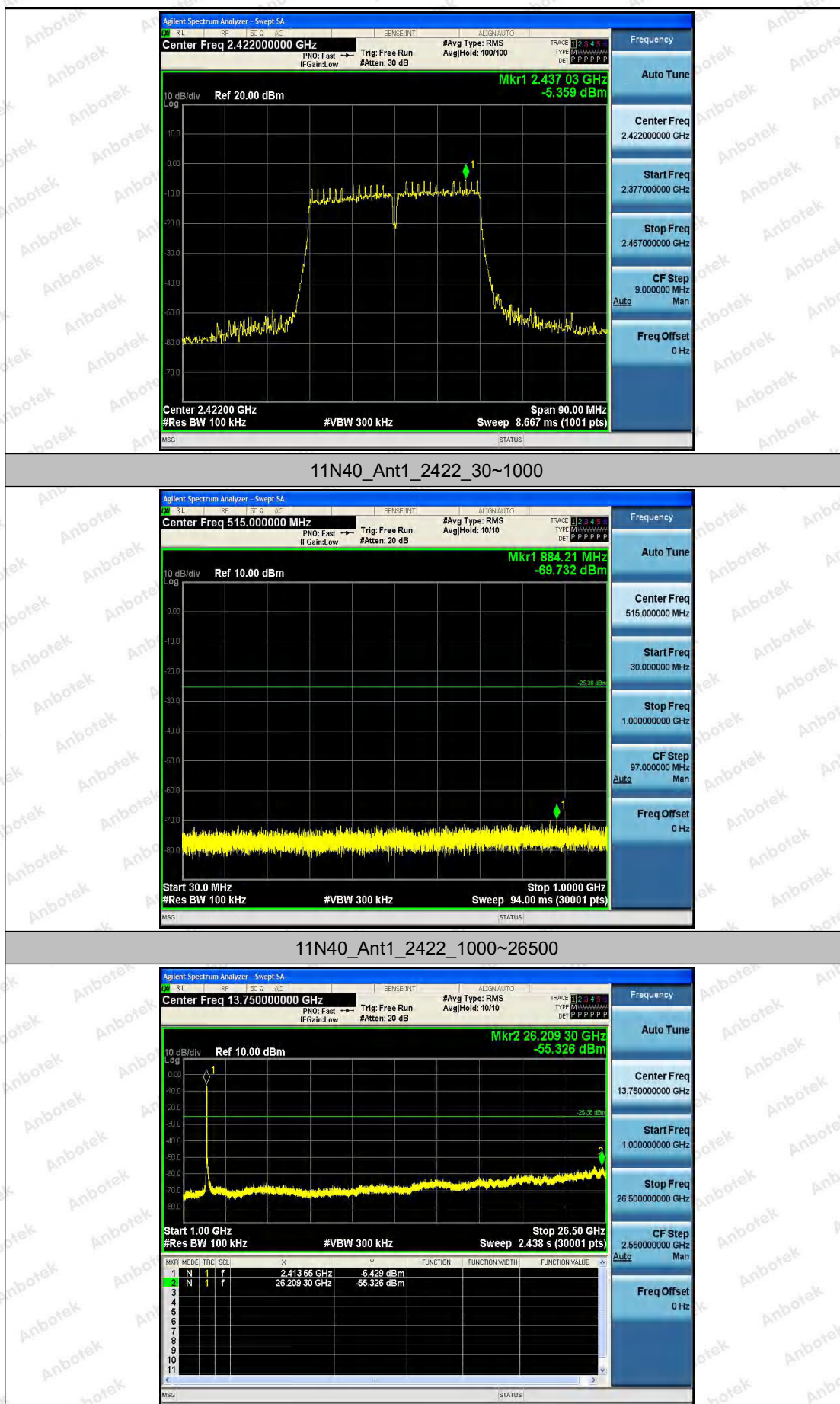
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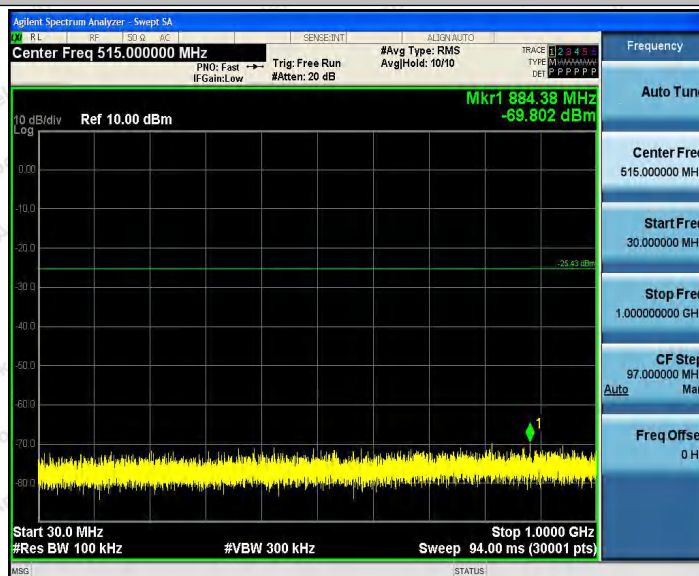
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11N40_Ant1_2437_30~1000



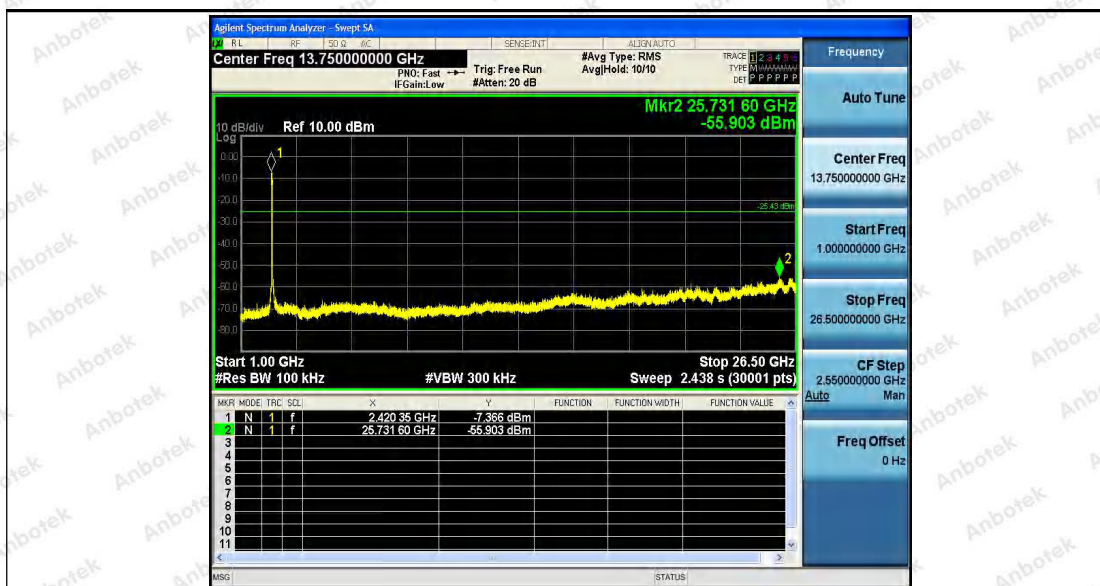
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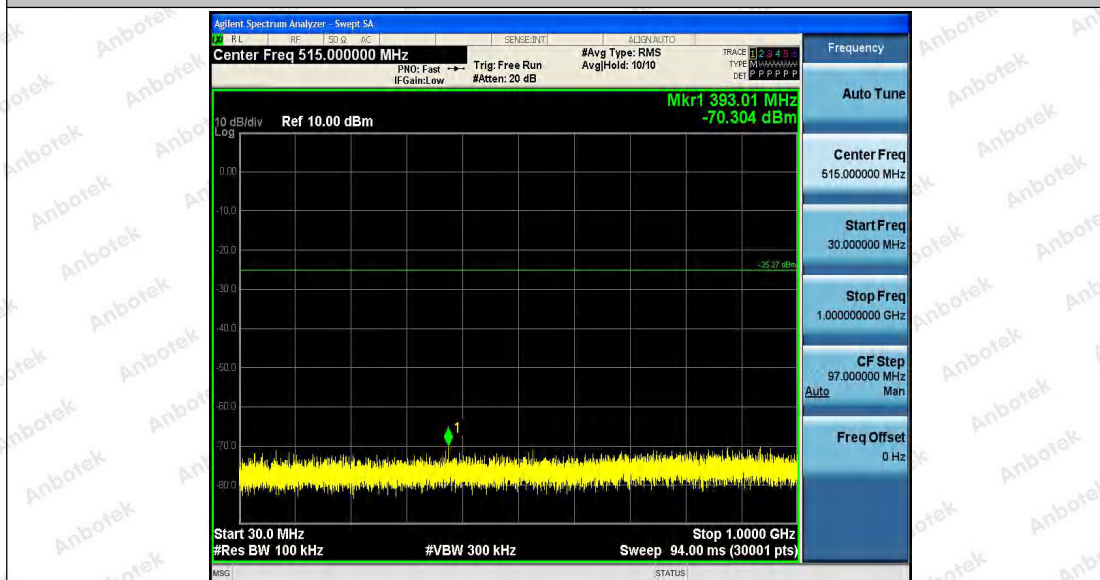
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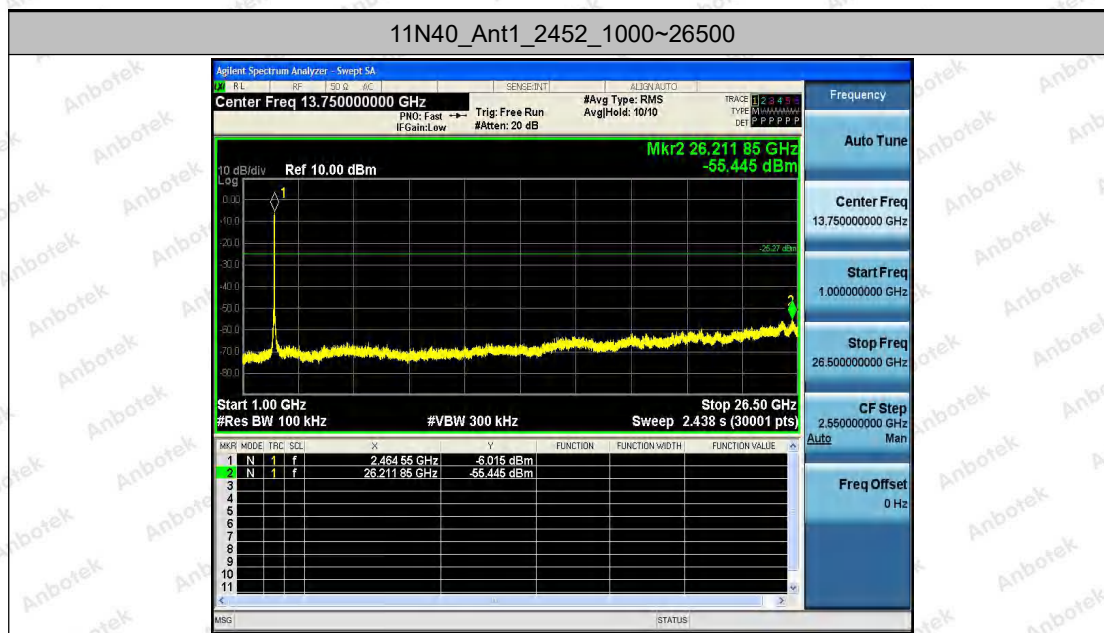


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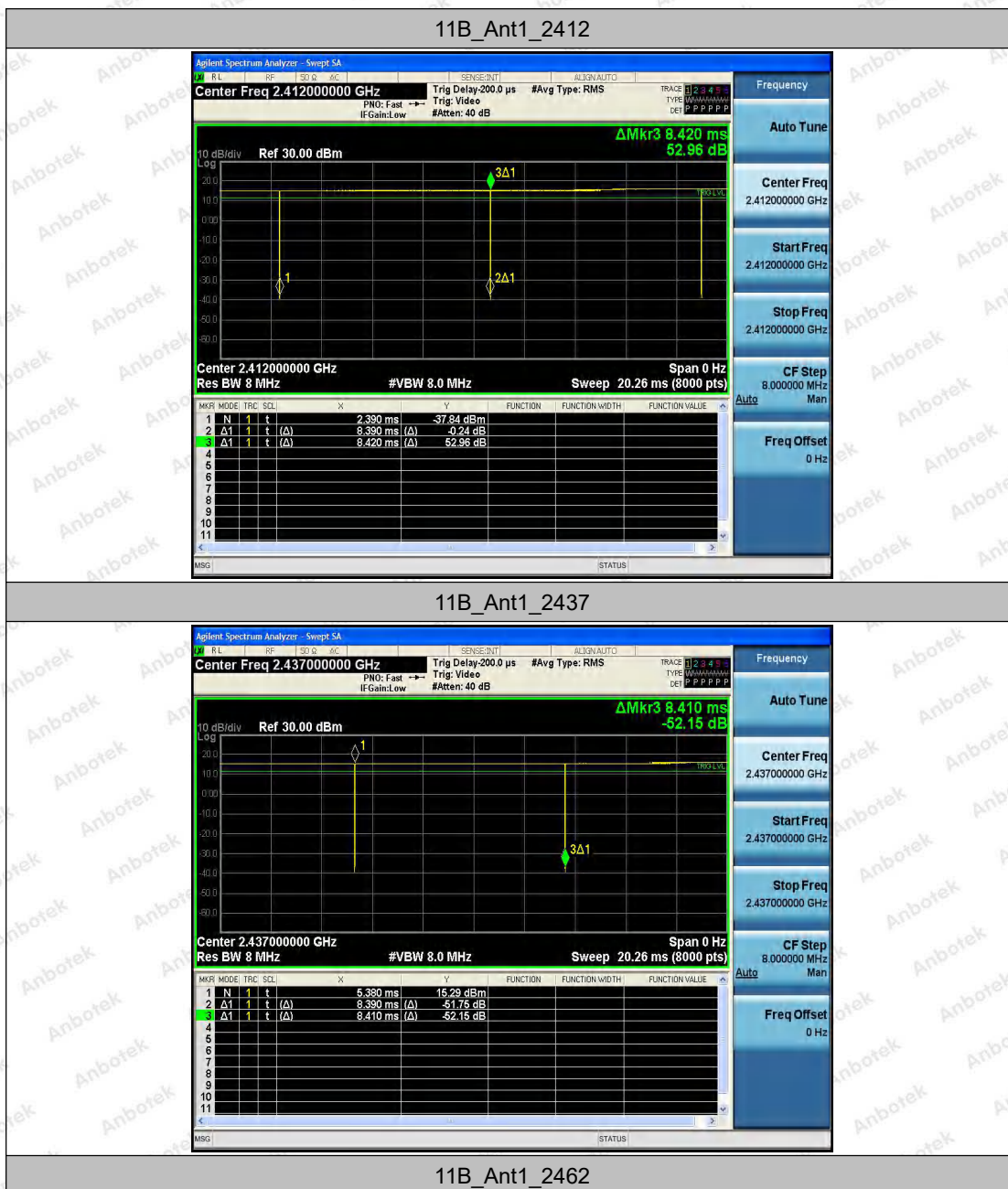
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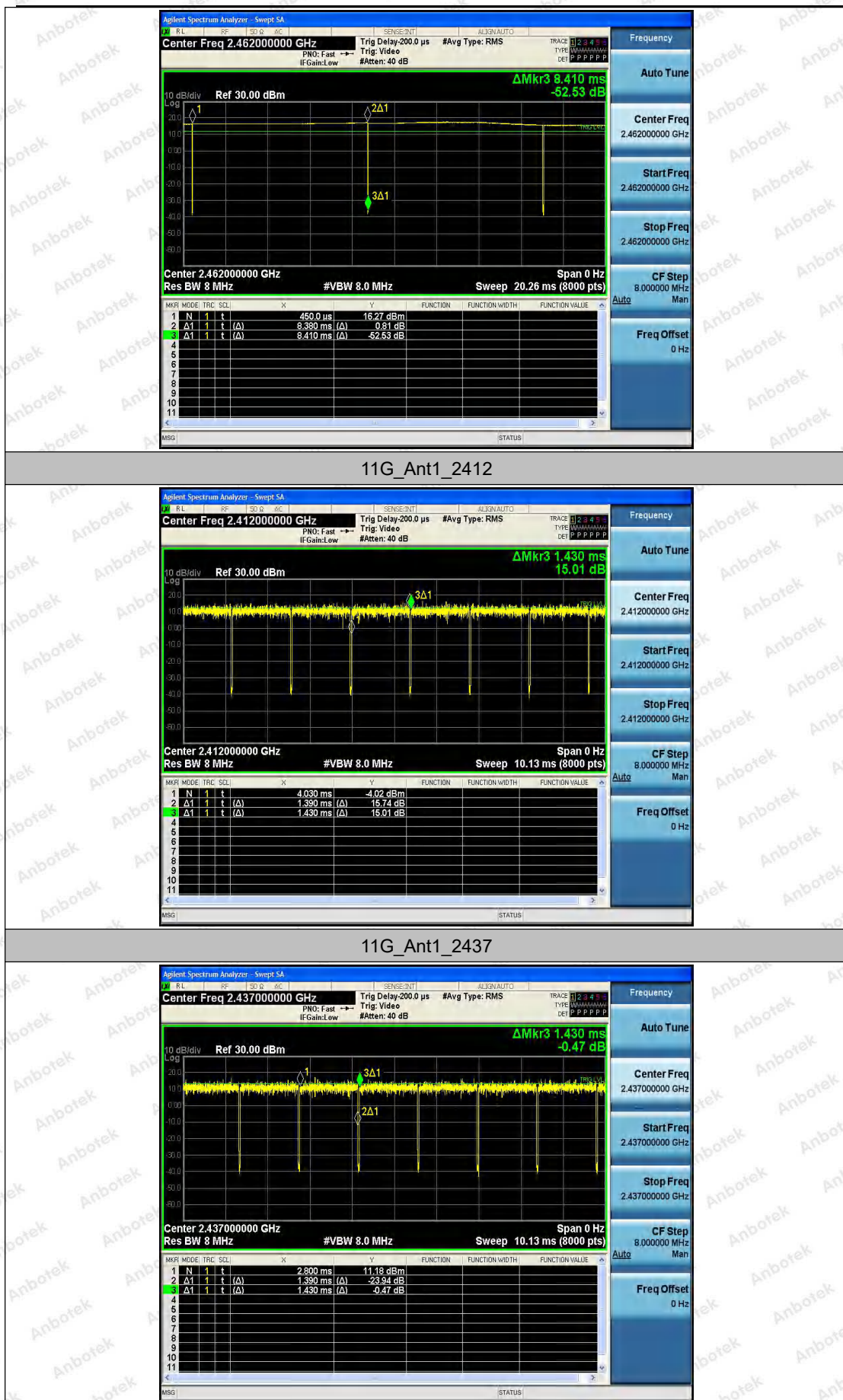
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.39	8.41	99.76	---	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	1.40	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	0.64	0.68	94.12	---	PASS

Test Graphs





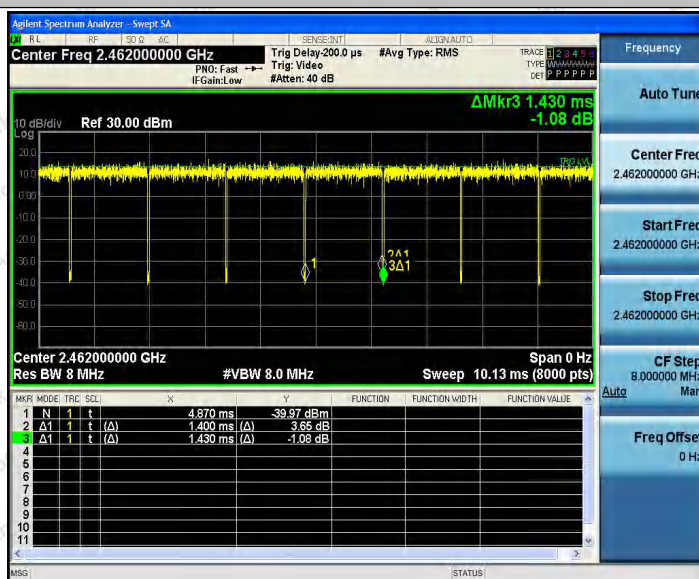
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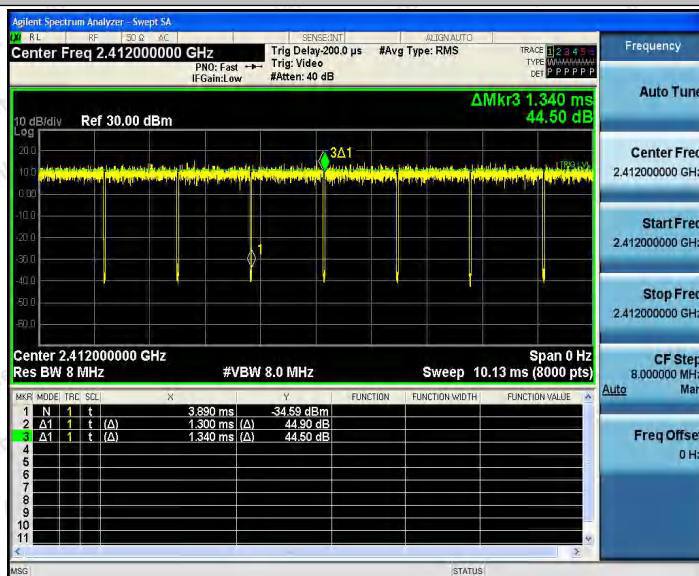
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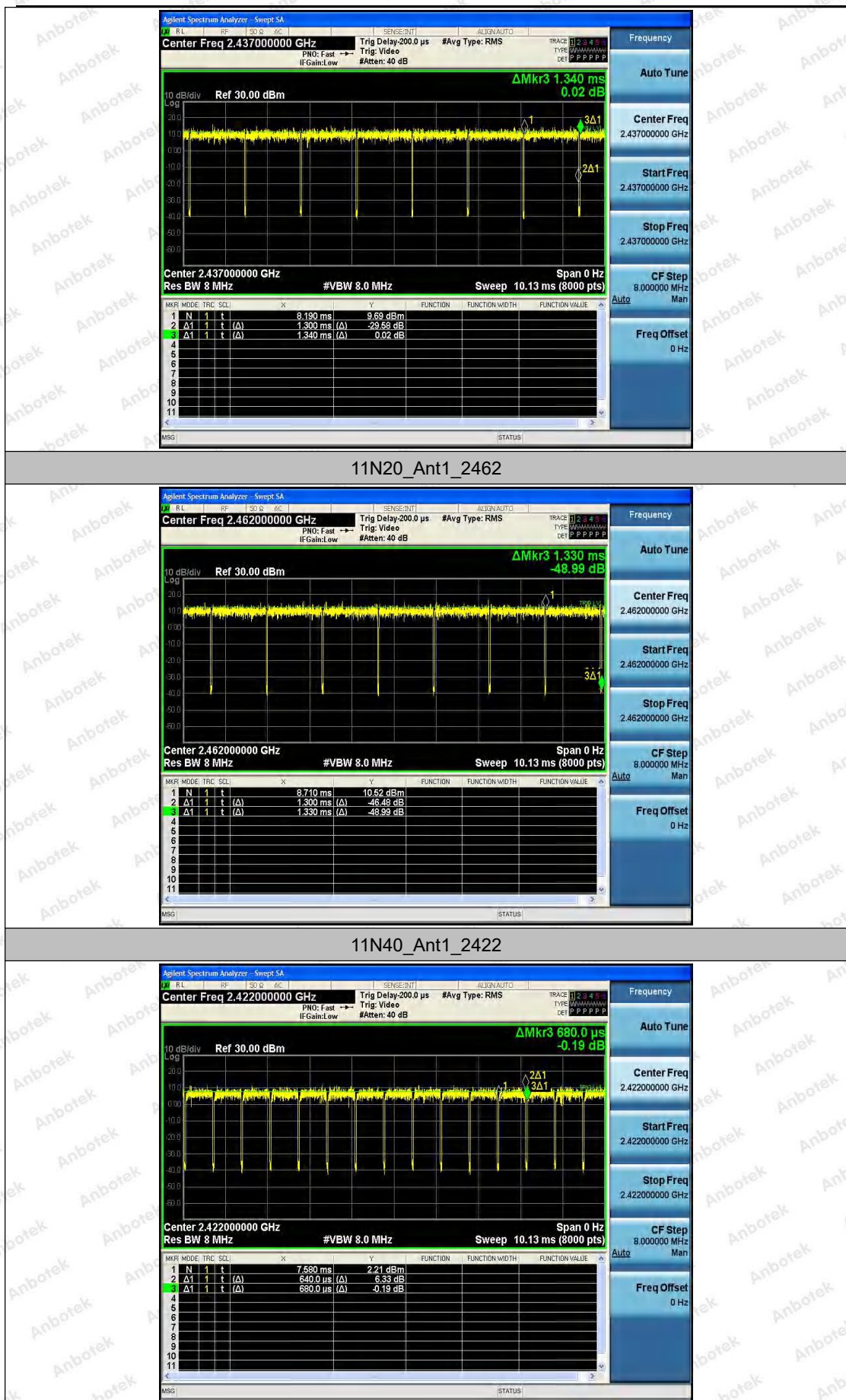
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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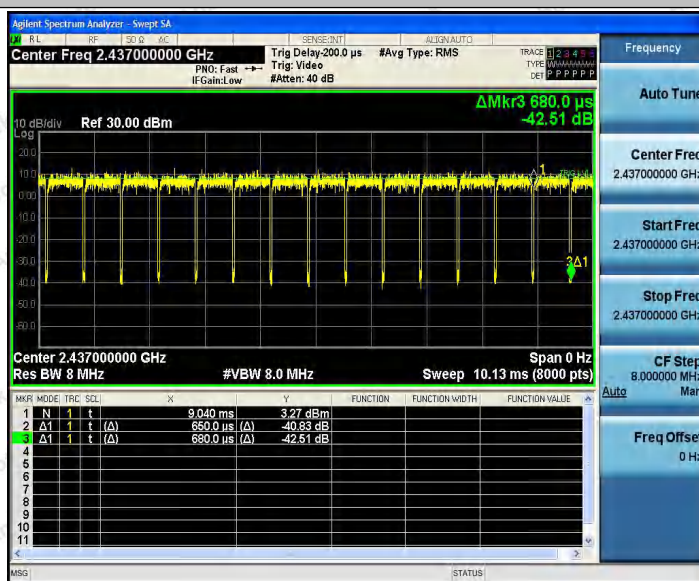


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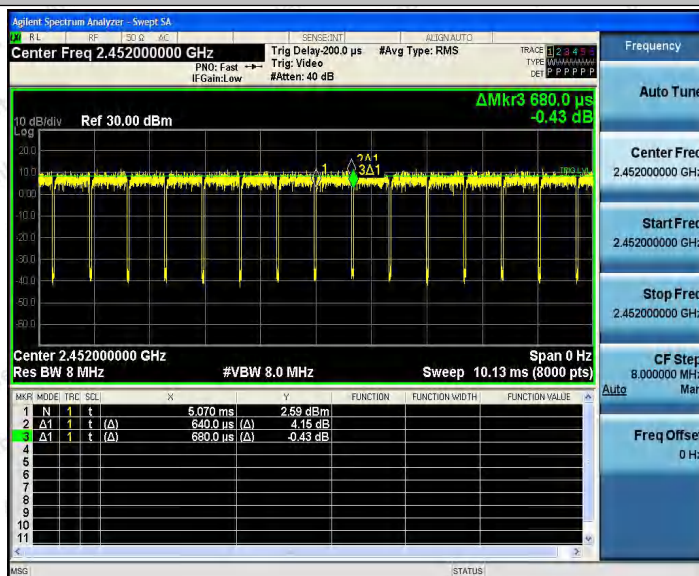
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11N40_Ant1_2437



11N40_Ant1_2452



---End---