

Appendix Test Data

Report No.:	18220WC20119602	Test Sample No.:	1-2-2
Start Test Date:	2022.6.30	Finish Test Date:	2022.6.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	26.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

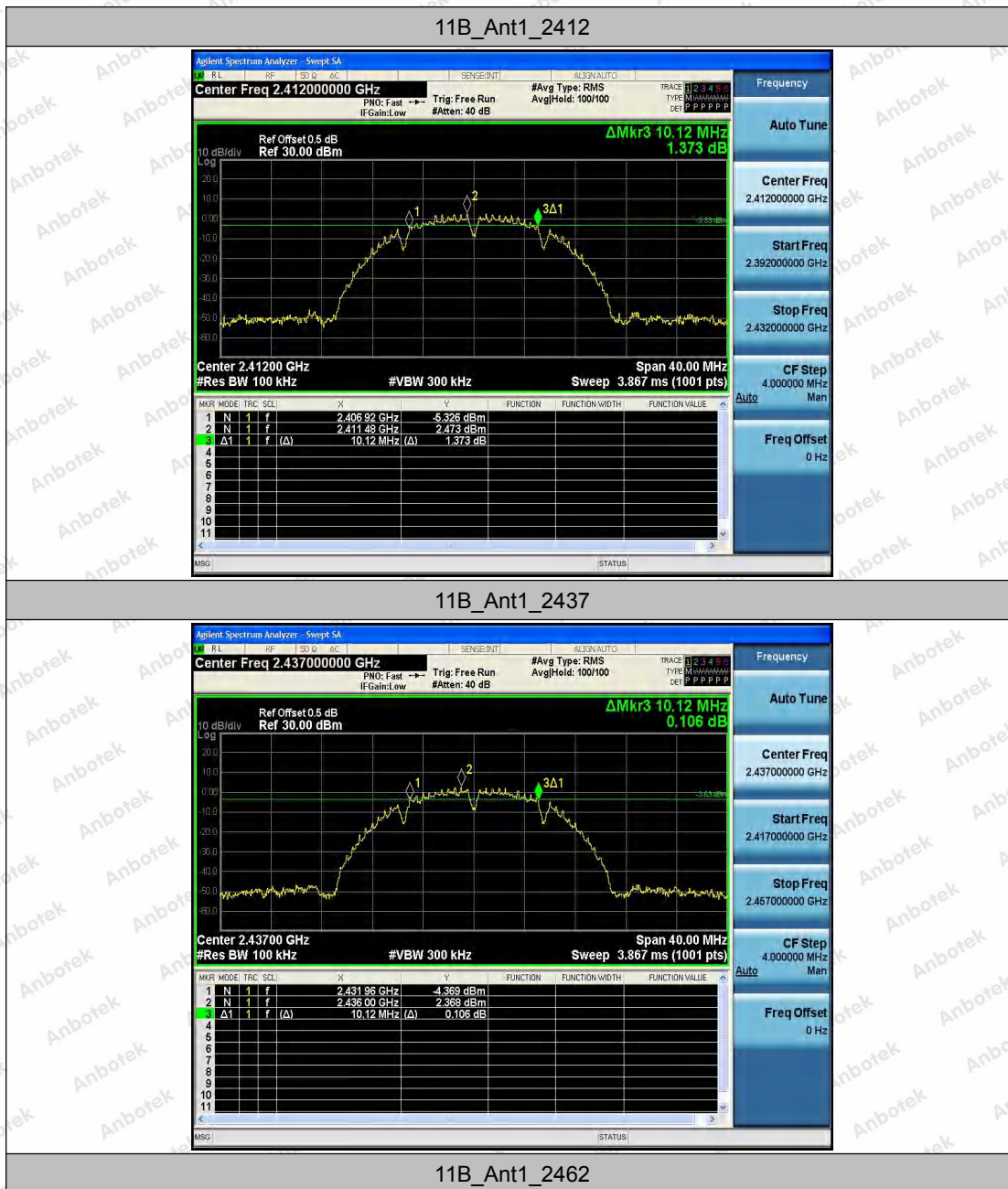
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	≥0.5	PASS
		2437	10.120	2431.960	2442.080	≥0.5	PASS
		2462	10.120	2456.920	2467.040	≥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	16.400	2453.760	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.720	2428.120	2445.840	≥0.5	PASS
		2462	17.640	2453.160	2470.800	≥0.5	PASS



Test Graphs



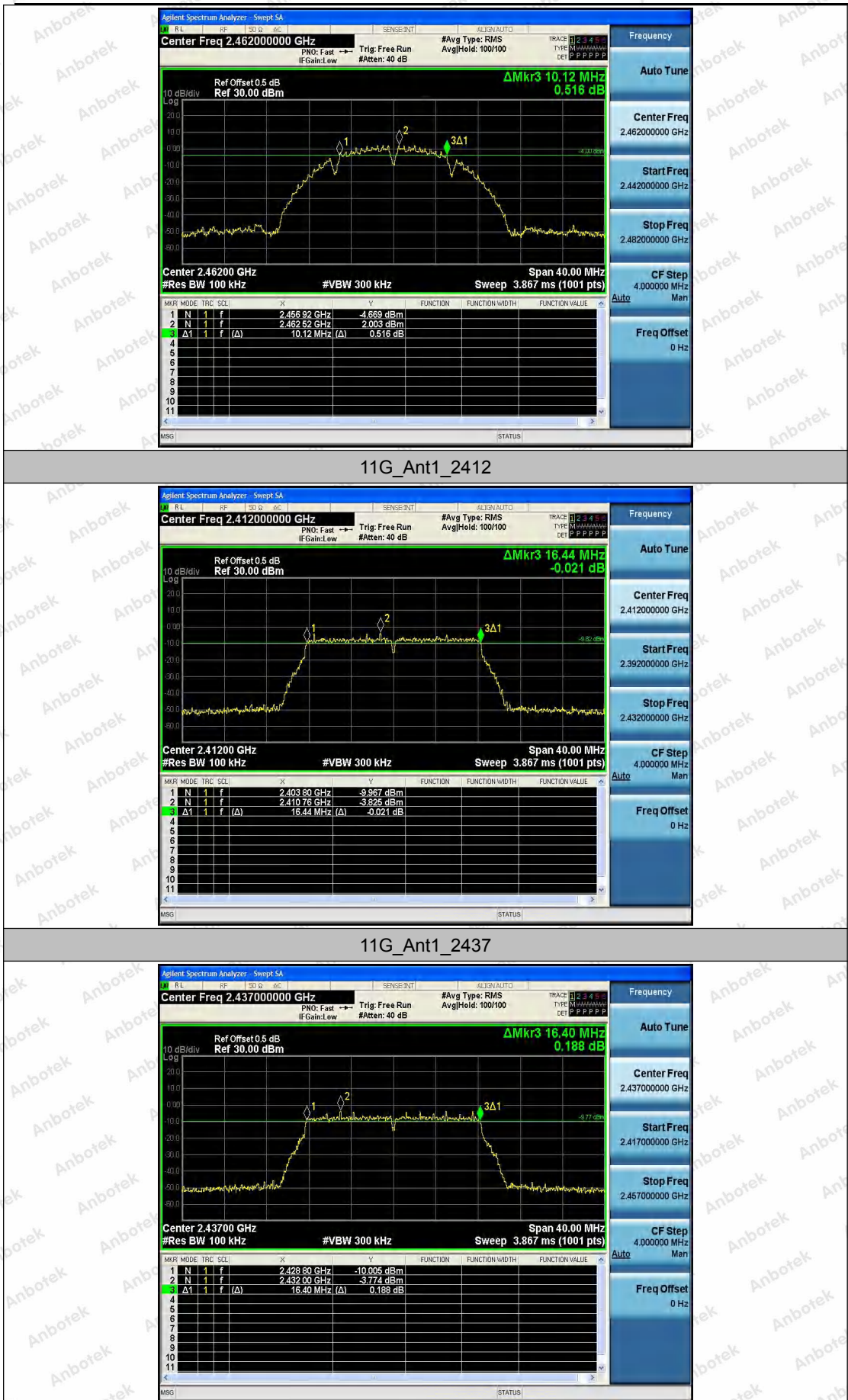
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

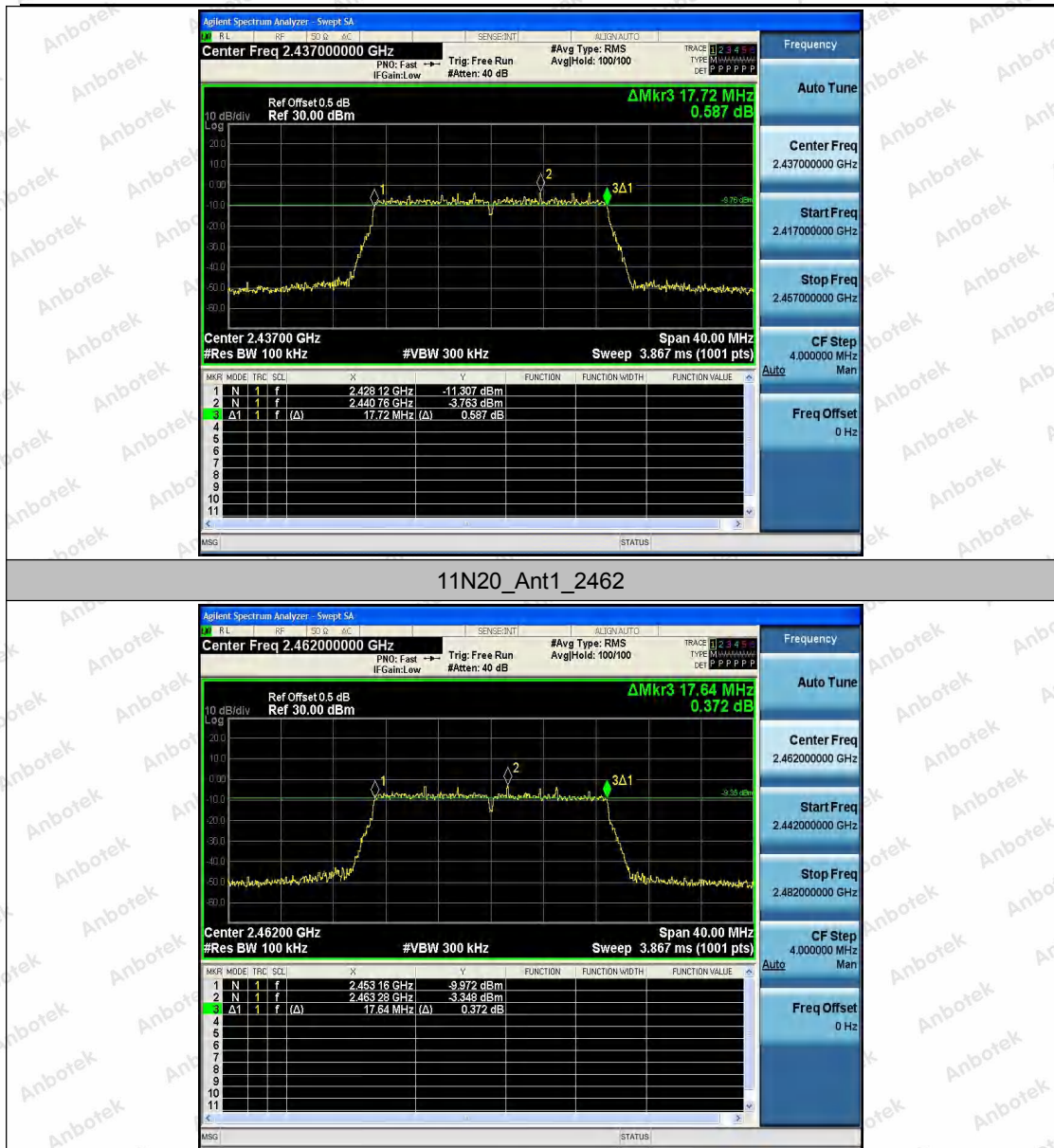
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.283	2404.891	2419.174	---	PASS
		2437	14.248	2429.869	2444.117	---	PASS
		2462	14.320	2454.756	2469.076	---	PASS
11G	Ant1	2412	17.091	2403.467	2420.558	---	PASS
		2437	17.023	2428.486	2445.509	---	PASS
		2462	17.104	2453.387	2470.491	---	PASS
11N20	Ant1	2412	17.960	2403.054	2421.014	---	PASS
		2437	17.918	2428.058	2445.976	---	PASS
		2462	18.019	2452.945	2470.964	---	PASS



Test Graphs



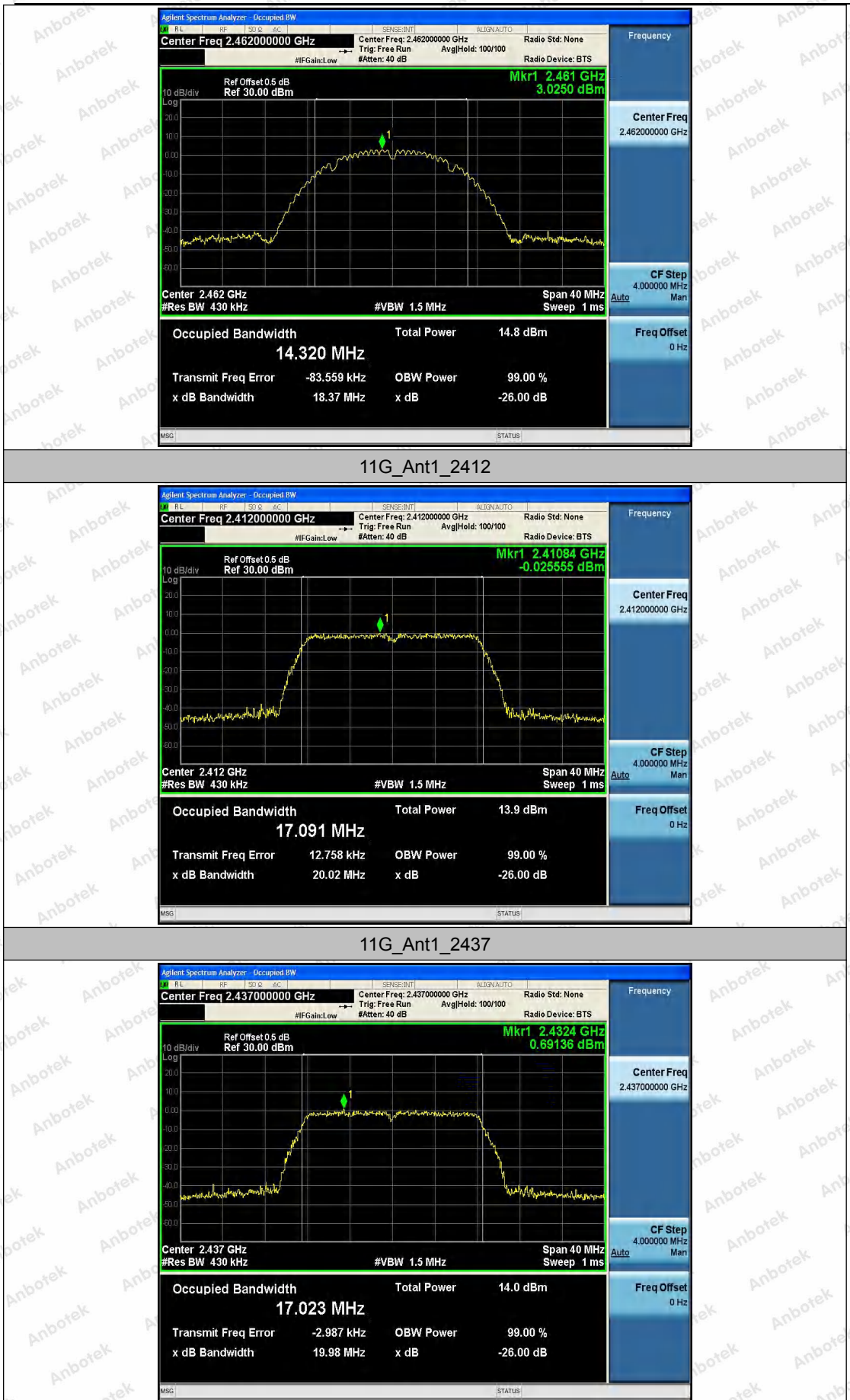
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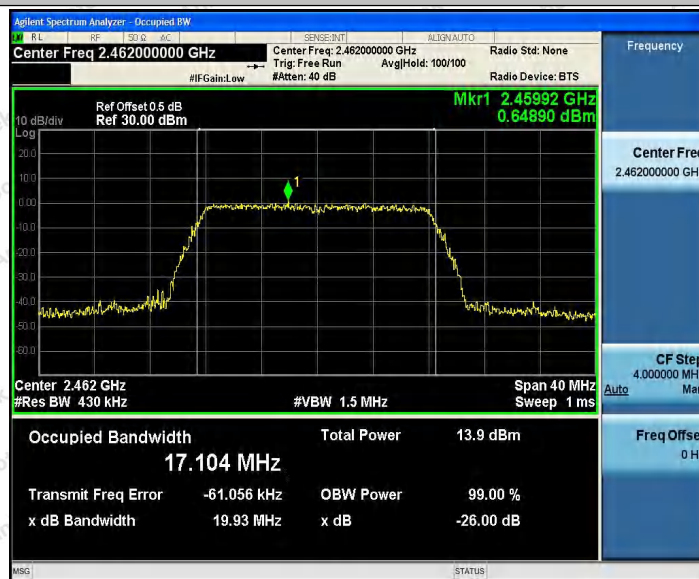
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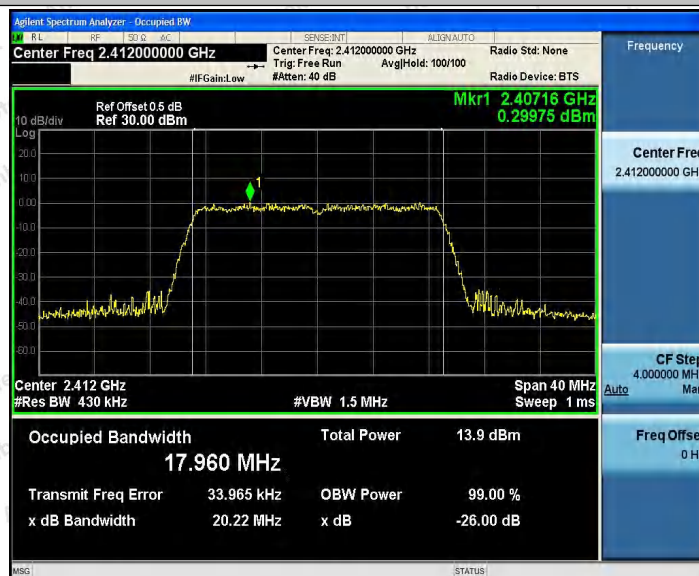
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

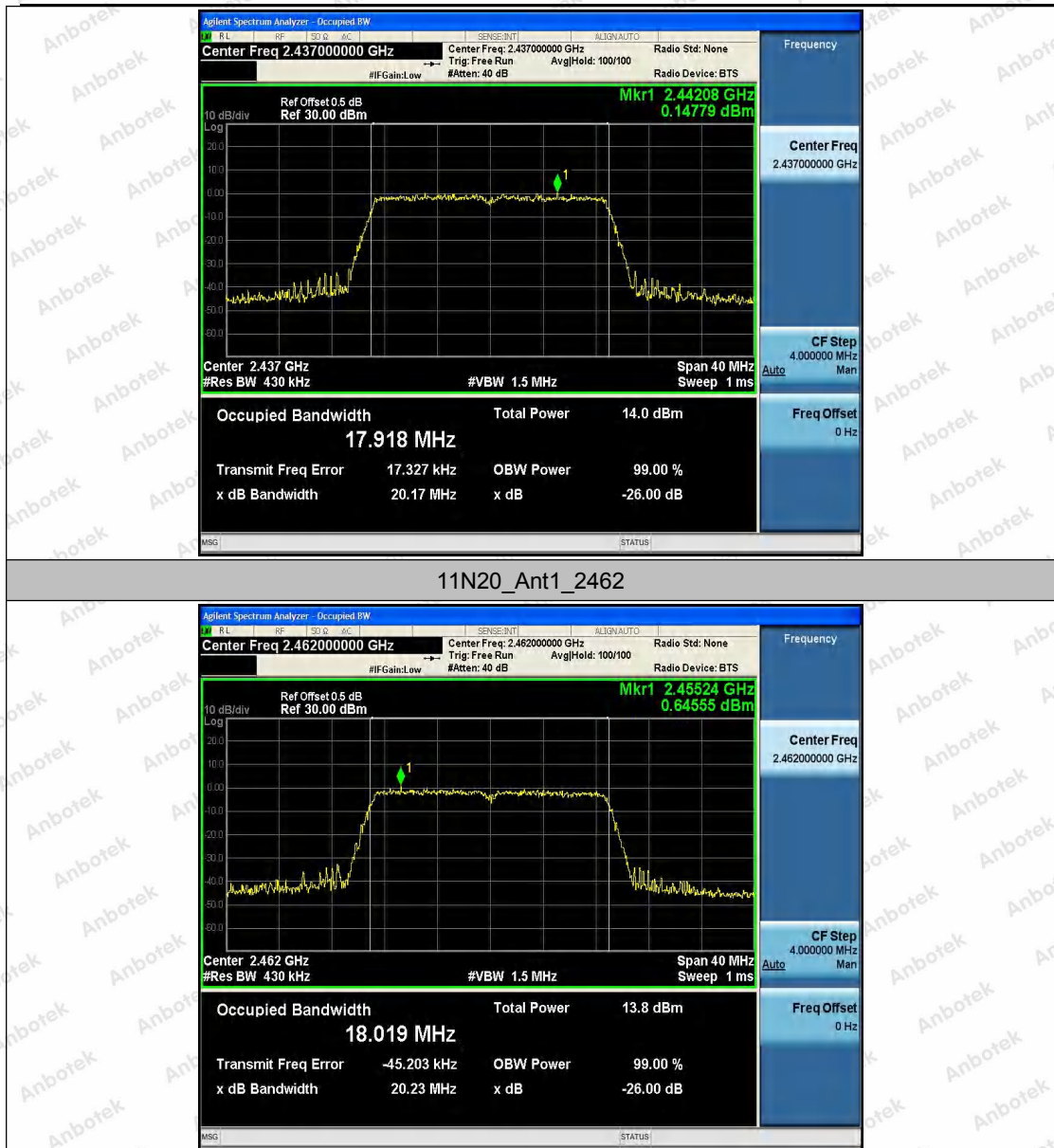
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.85	≤30	PASS
		2437	15.05	≤30	PASS
		2462	14.73	≤30	PASS
11G	Ant1	2412	14.99	≤30	PASS
		2437	15.13	≤30	PASS
		2462	14.97	≤30	PASS
11N20	Ant1	2412	15.05	≤30	PASS
		2437	15.13	≤30	PASS
		2462	14.86	≤30	PASS



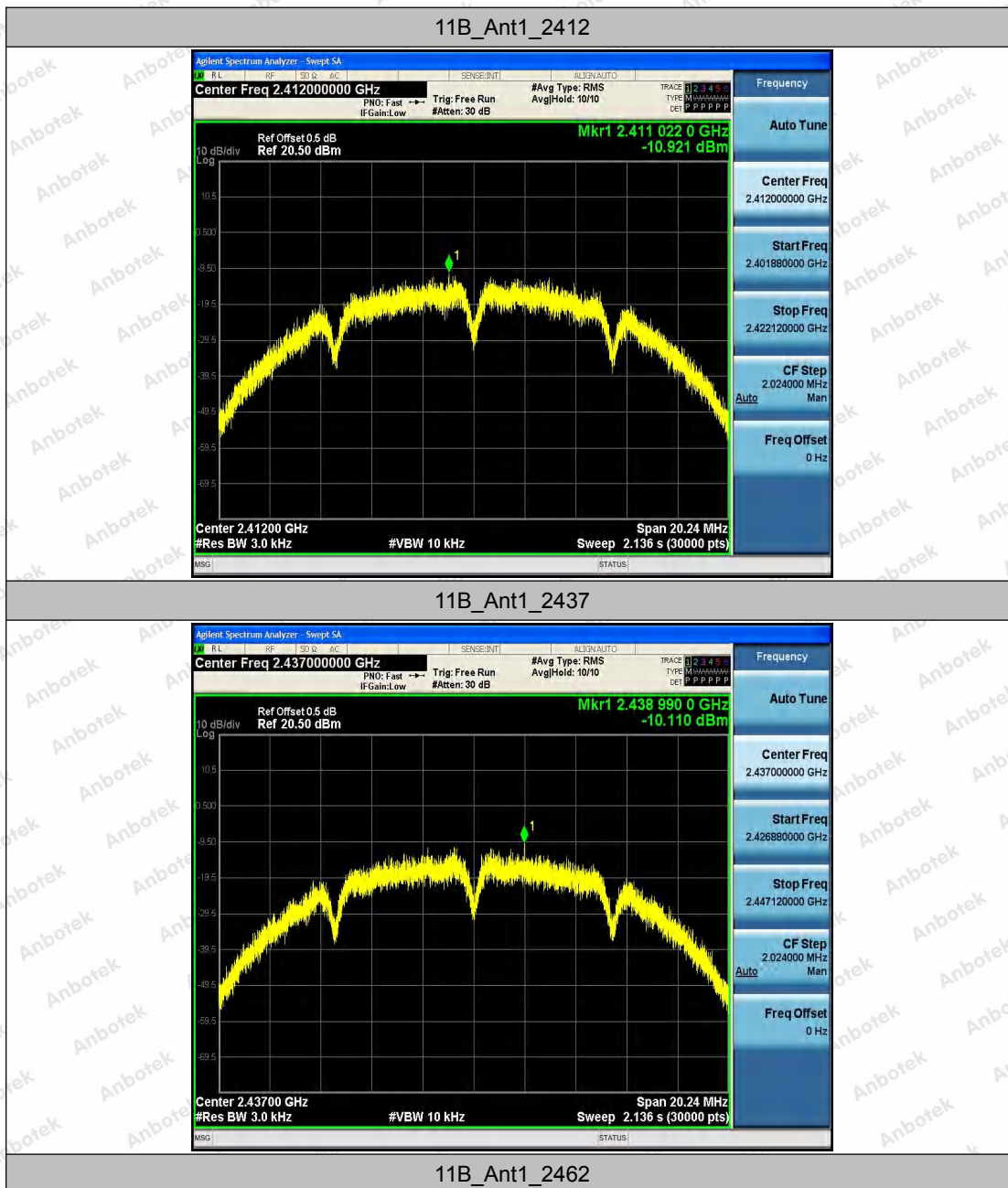
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.92	≤8	PASS
		2437	-10.11	≤8	PASS
		2462	-10.98	≤8	PASS
11G	Ant1	2412	-16.33	≤8	PASS
		2437	-17.78	≤8	PASS
		2462	-17.16	≤8	PASS
11N20	Ant1	2412	-17.01	≤8	PASS
		2437	-16.28	≤8	PASS
		2462	-16.7	≤8	PASS



Test Graphs



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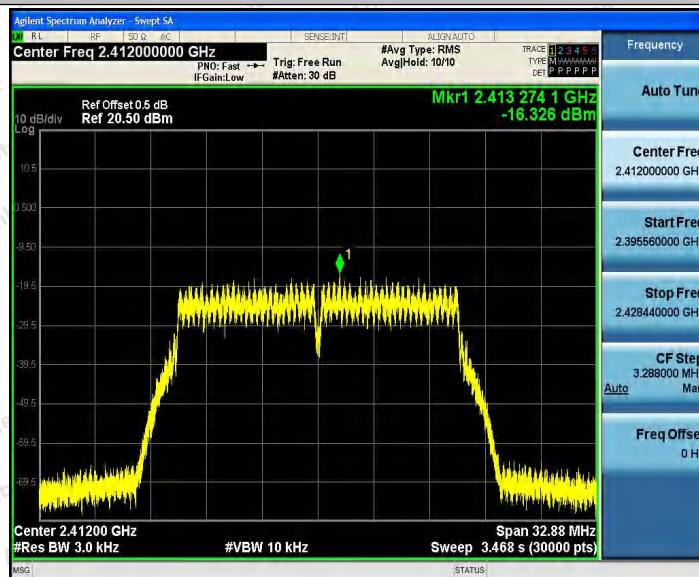


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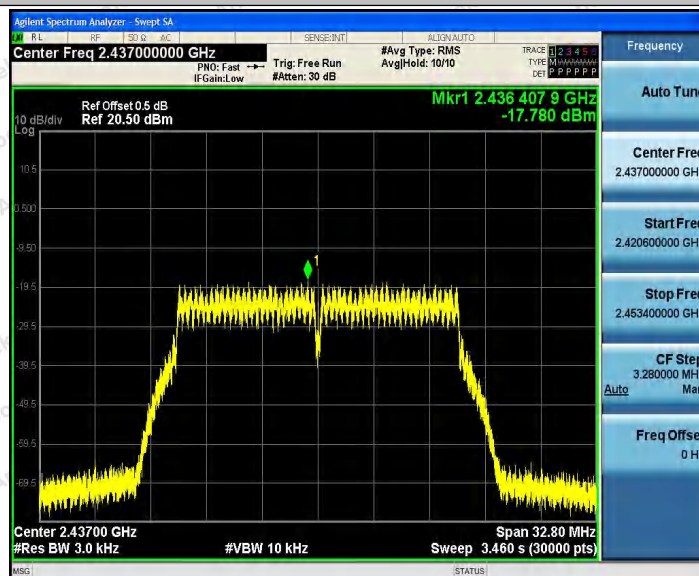




11G_Ant1_2412



11G_Ant1_2437



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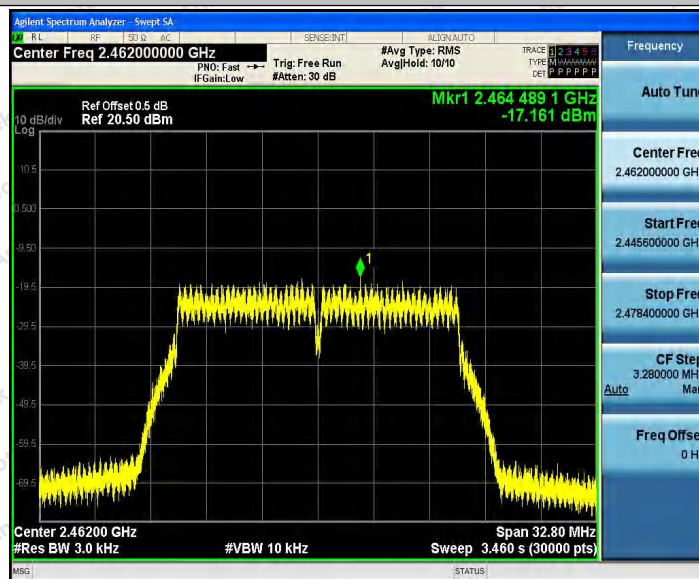
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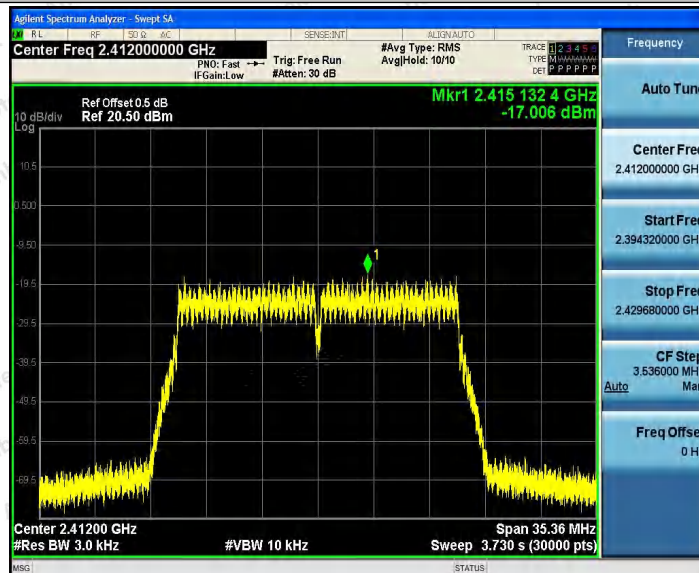
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

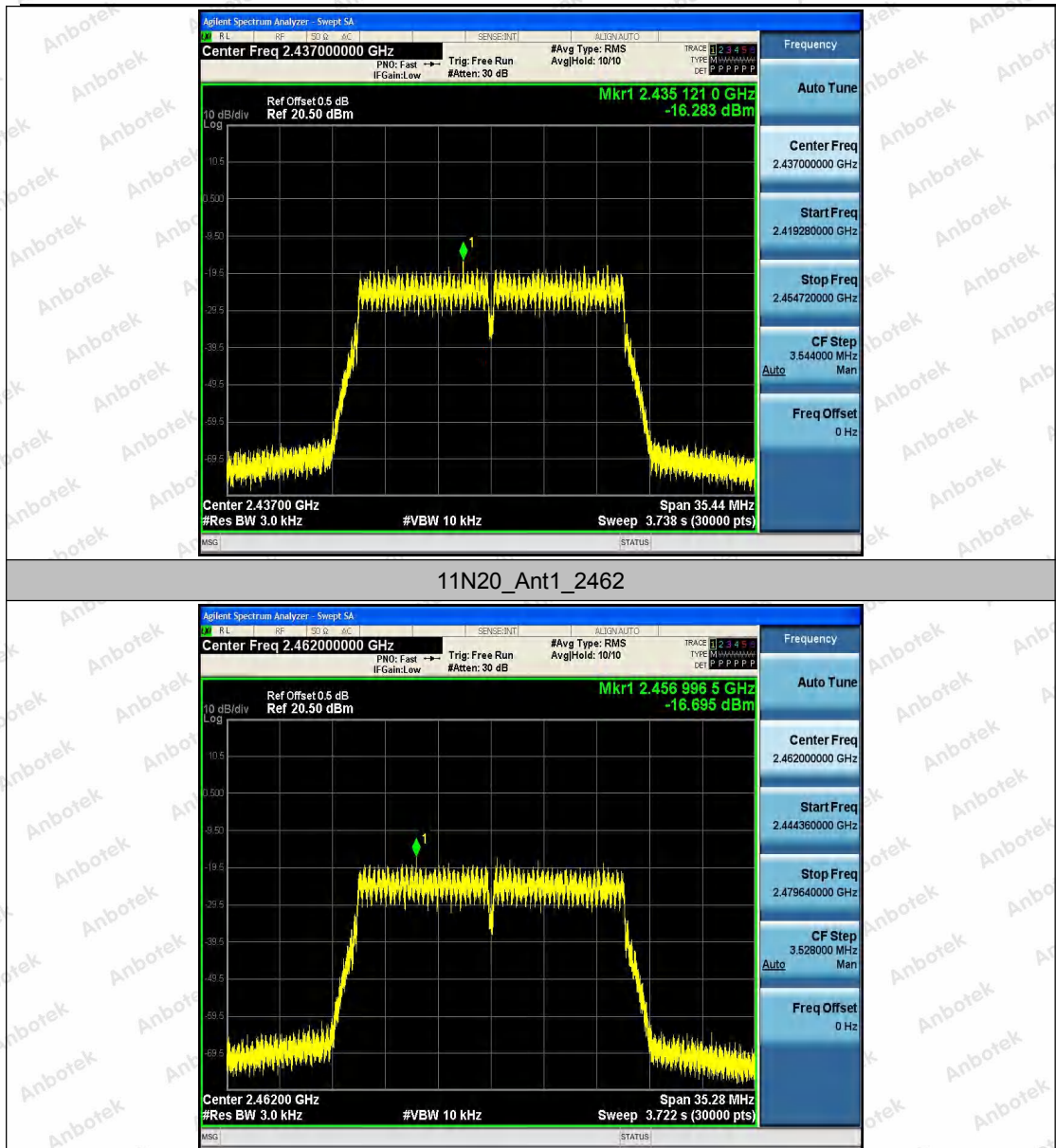
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11N20_Ant1_2462

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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	2.61	-47.7	≤ -17.39	PASS
		High	2462	2.29	-57.66	≤ -17.71	PASS
11G	Ant1	Low	2412	-4.16	-48.59	≤ -24.16	PASS
		High	2462	-3.28	-54.76	≤ -23.28	PASS
11N20	Ant1	Low	2412	-3.17	-46.14	≤ -23.17	PASS
		High	2462	-3.21	-54.46	≤ -23.21	PASS

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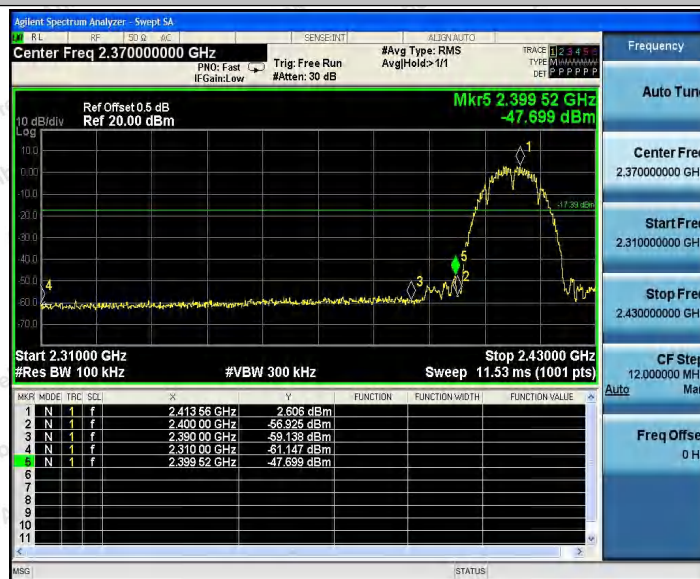


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Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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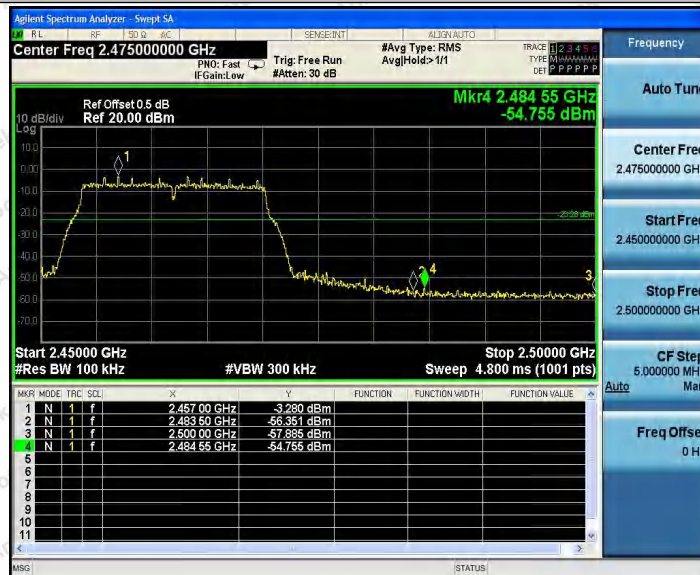


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11G_Ant1_High_2462



11N20_Ant1_Low_2412



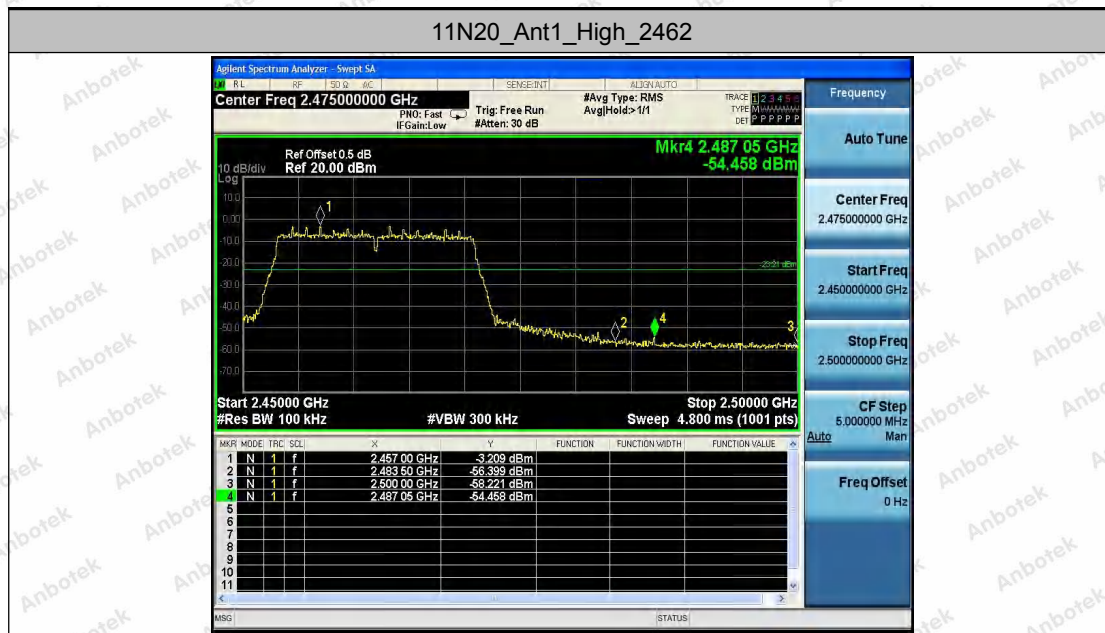
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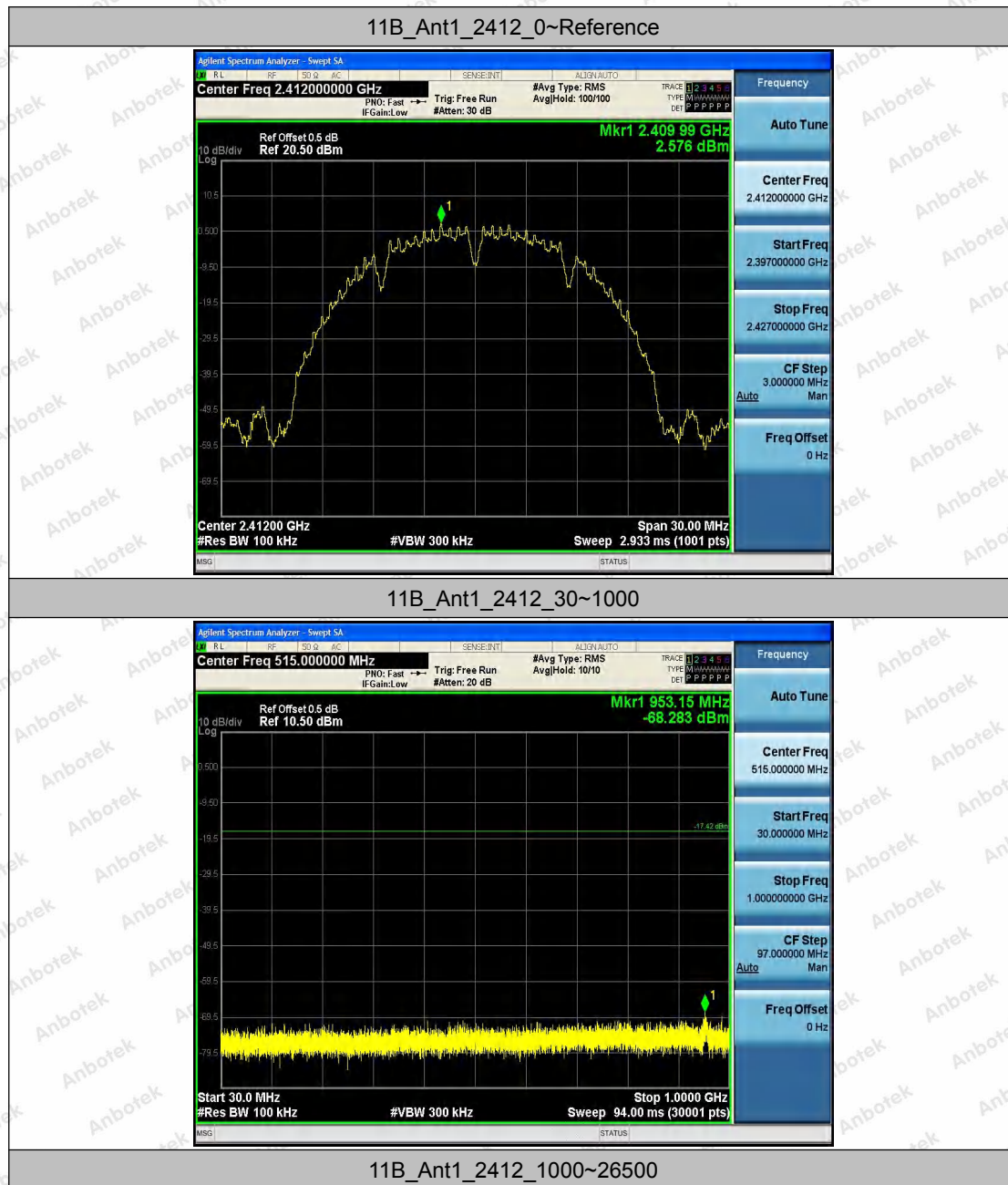
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-68.28	≤-17.42	PASS
			1000~26500	2.58	-54.34	≤-17.42	PASS
		2437	Reference	3.06	3.06	---	PASS
			30~1000	3.06	-68.61	≤-16.94	PASS
			1000~26500	3.06	-53.89	≤-16.94	PASS
		2462	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-65.06	≤-17.14	PASS
			1000~26500	2.86	-54.79	≤-17.14	PASS
11G	Ant1	2412	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-68.89	≤-23.94	PASS
			1000~26500	-3.94	-54.93	≤-23.94	PASS
		2437	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-69.39	≤-23.73	PASS
			1000~26500	-3.73	-53.81	≤-23.73	PASS
		2462	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-69.52	≤-23.9	PASS
			1000~26500	-3.90	-54.89	≤-23.9	PASS
11N20	Ant1	2412	Reference	-3.53	-3.53	---	PASS
			30~1000	-3.53	-68.35	≤-23.53	PASS
			1000~26500	-3.53	-54.74	≤-23.53	PASS
		2437	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-68.16	≤-23.83	PASS
			1000~26500	-3.83	-54.54	≤-23.83	PASS
		2462	Reference	-3.18	-3.18	---	PASS
			30~1000	-3.18	-68.87	≤-23.18	PASS
			1000~26500	-3.18	-54.08	≤-23.18	PASS



Test Graphs



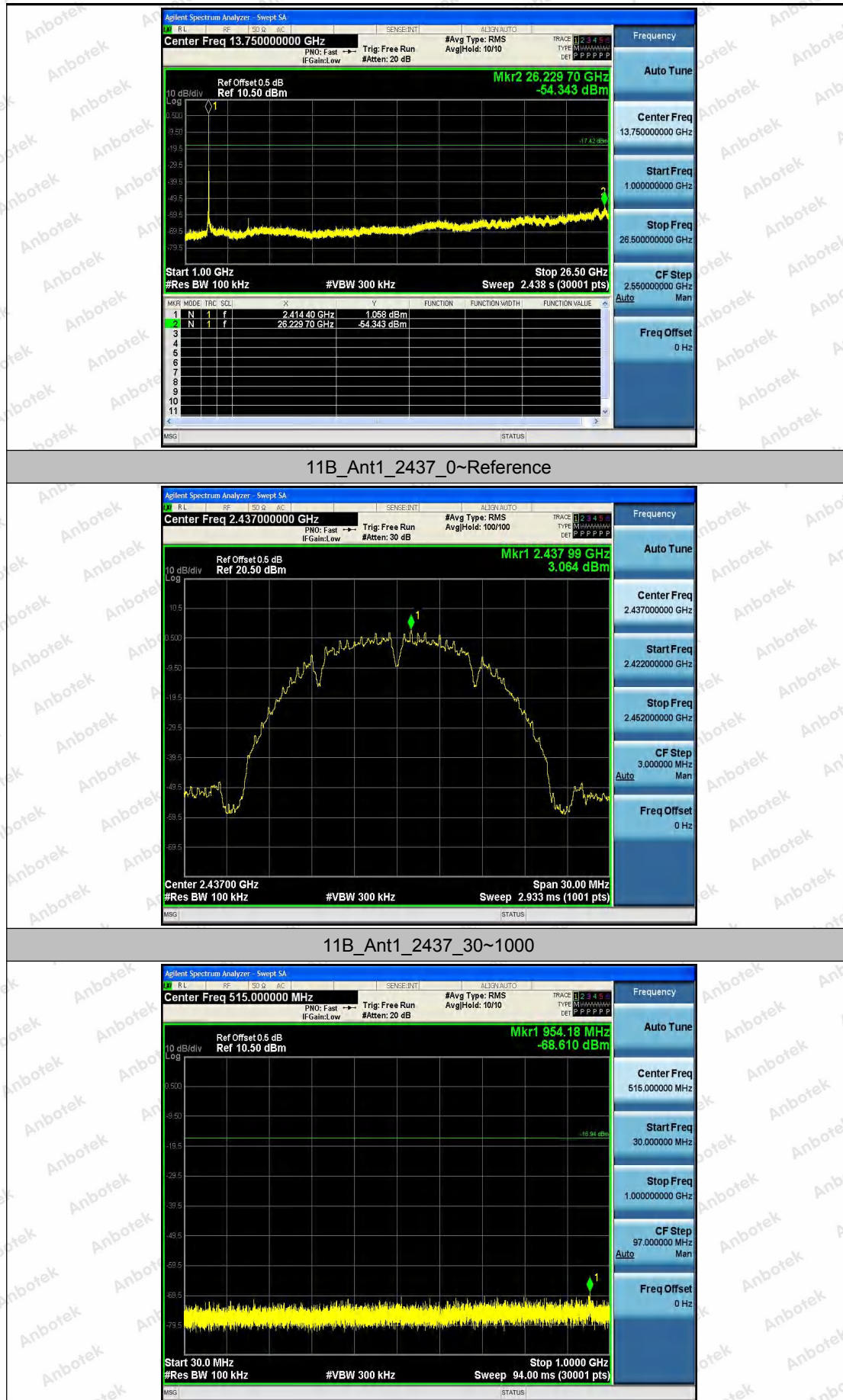
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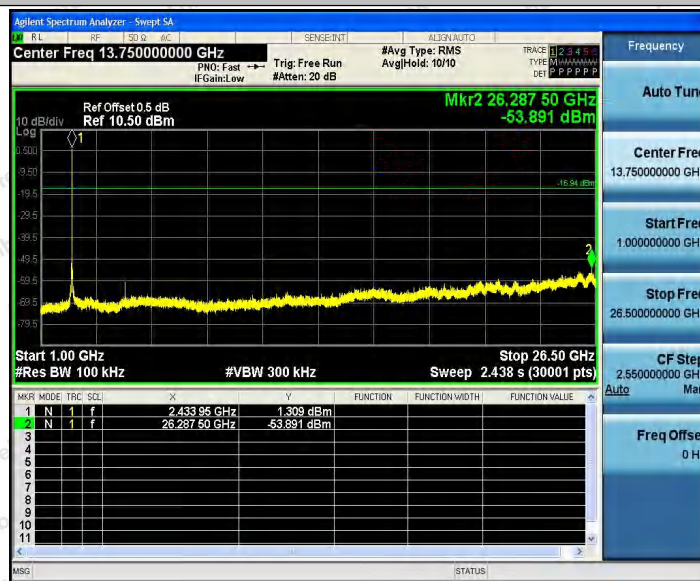
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

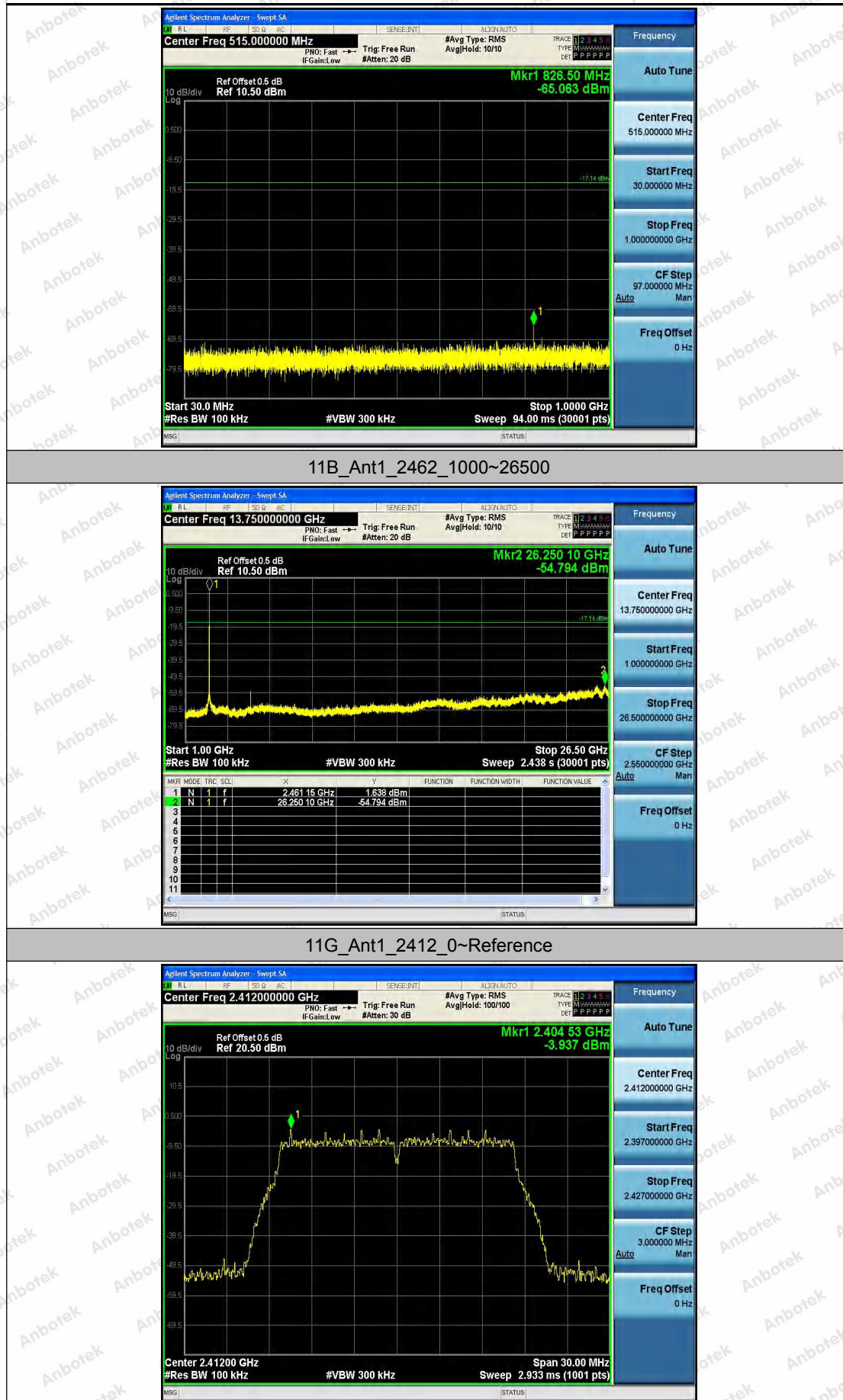
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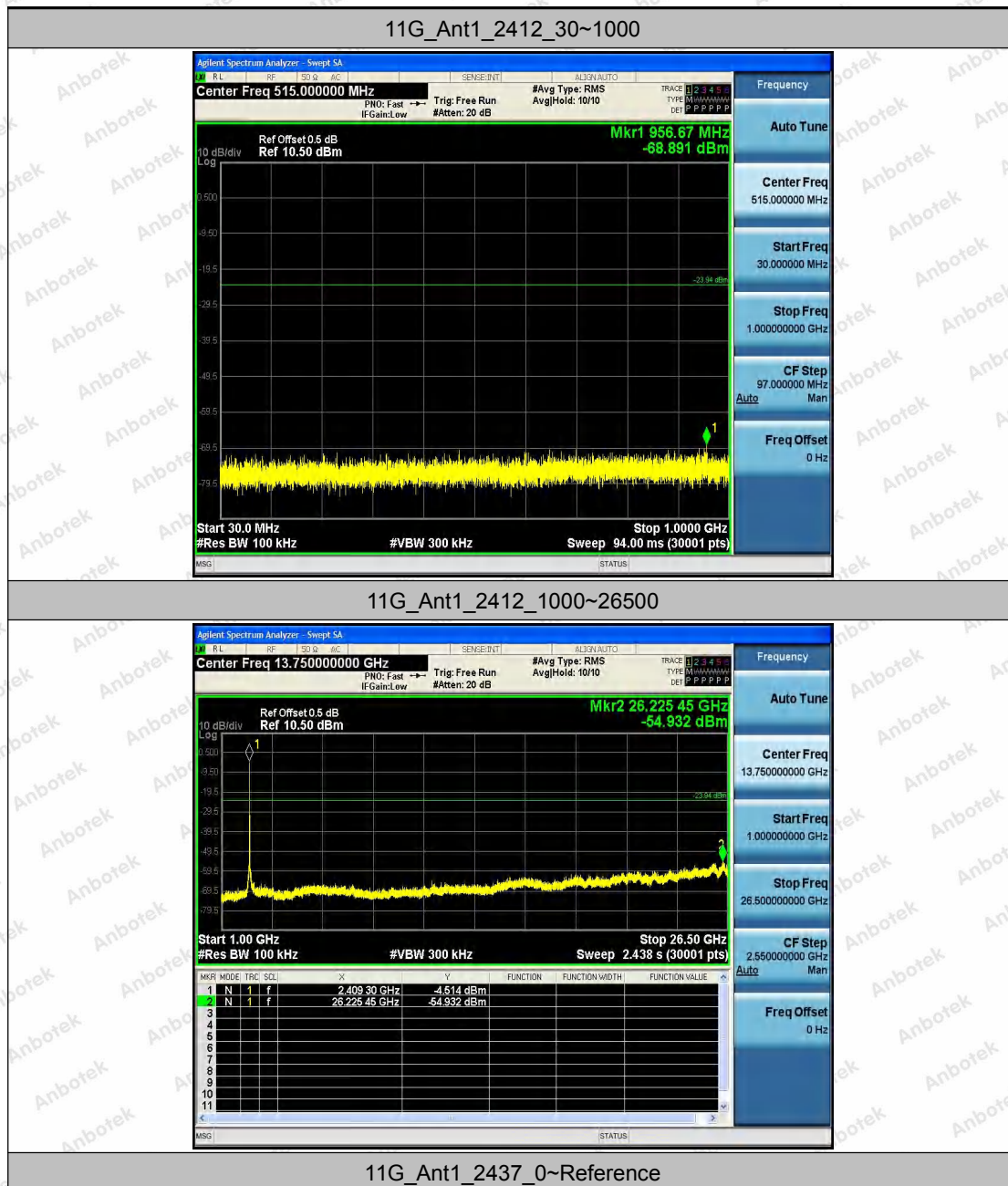
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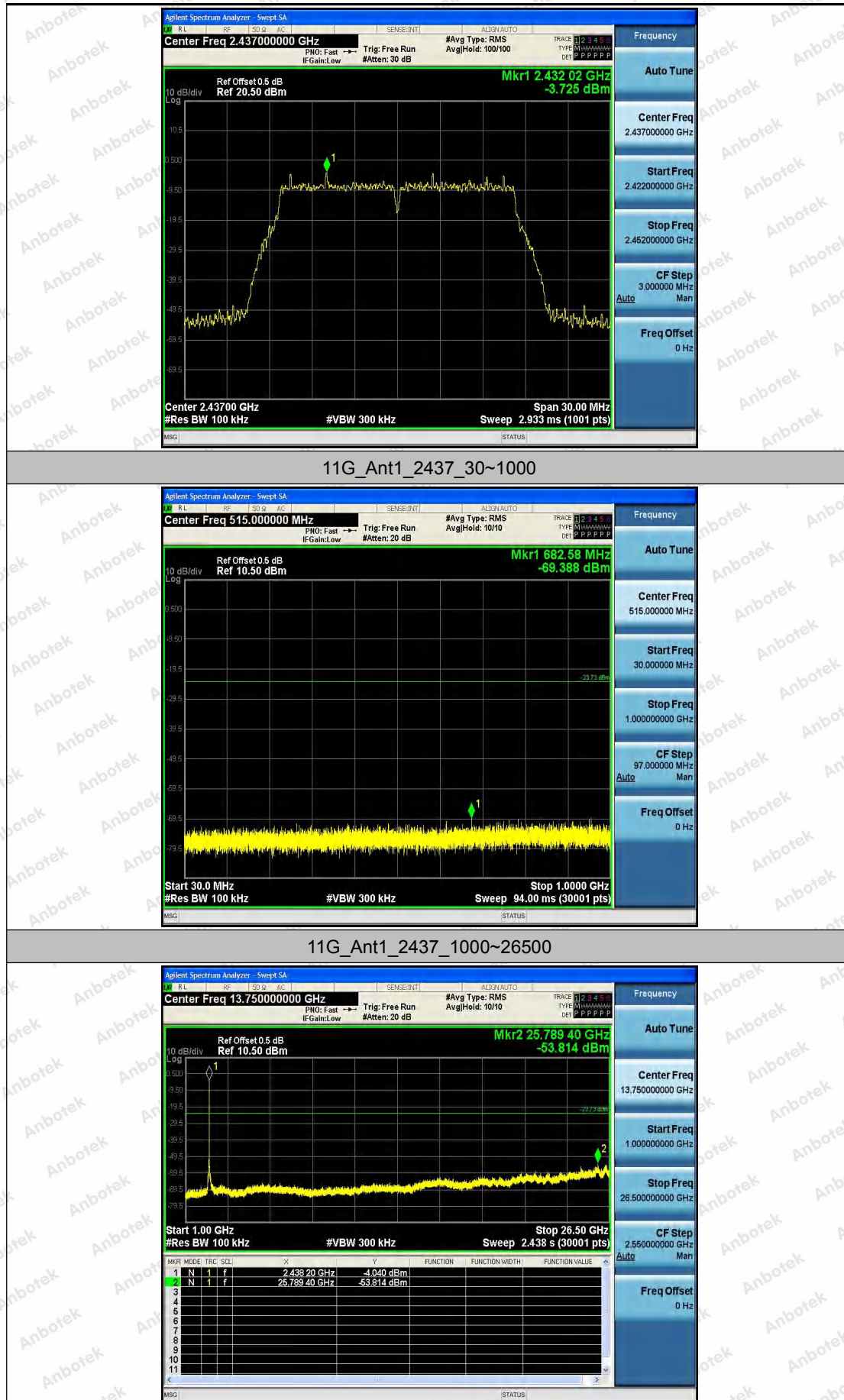
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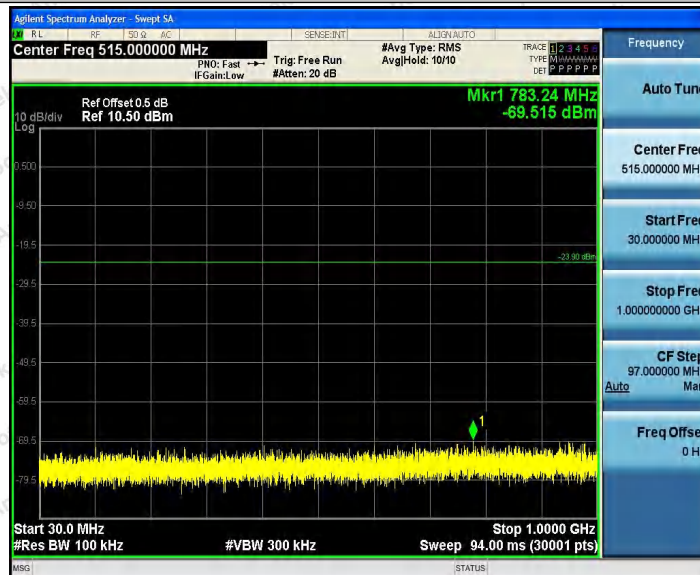
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

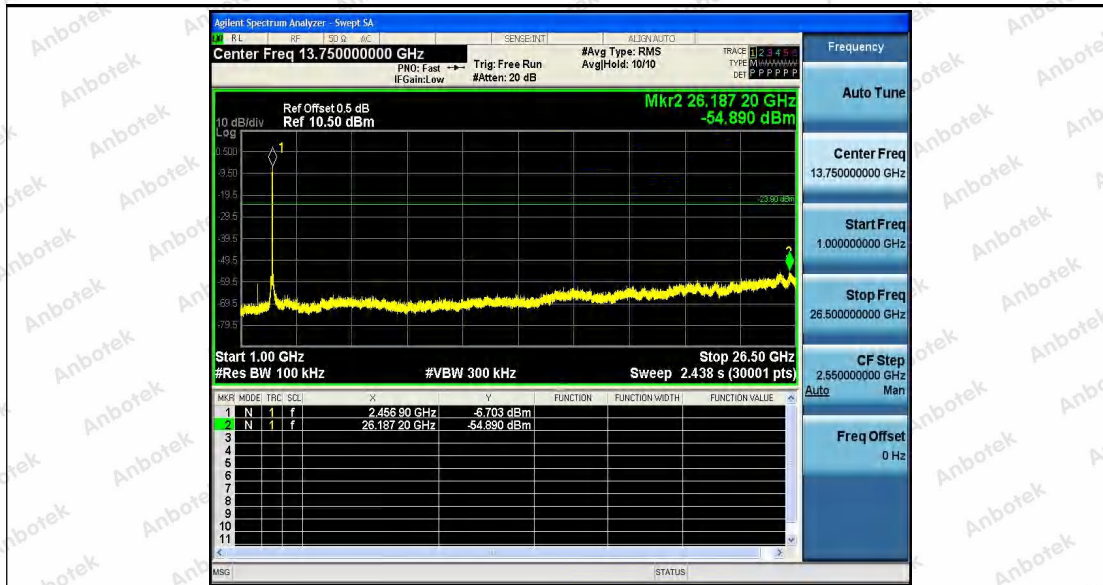
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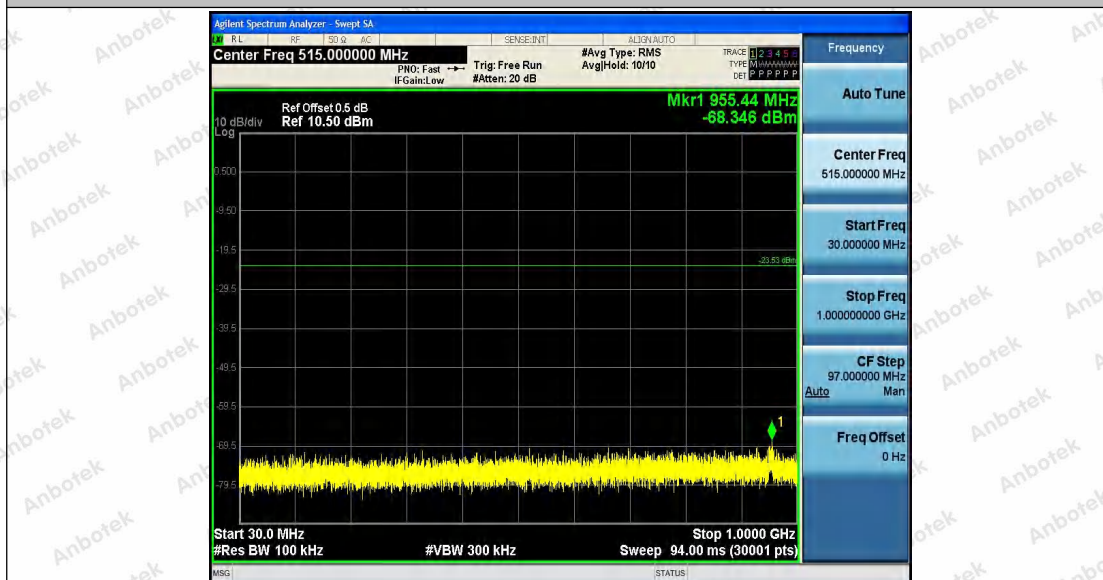




11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



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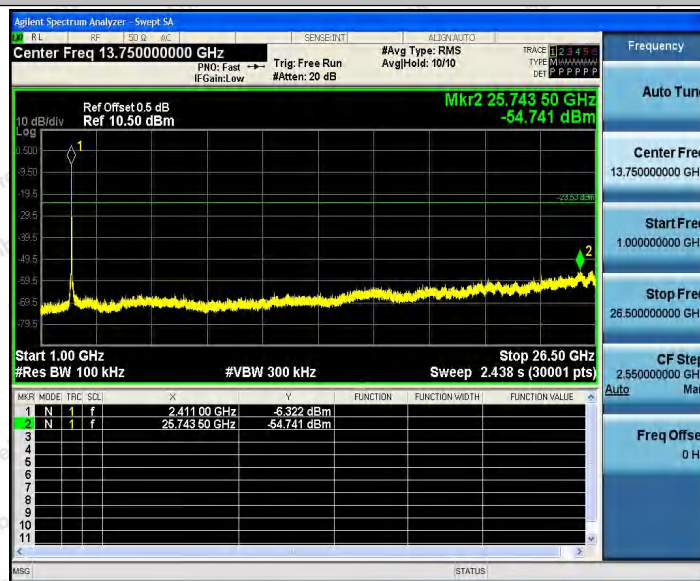
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

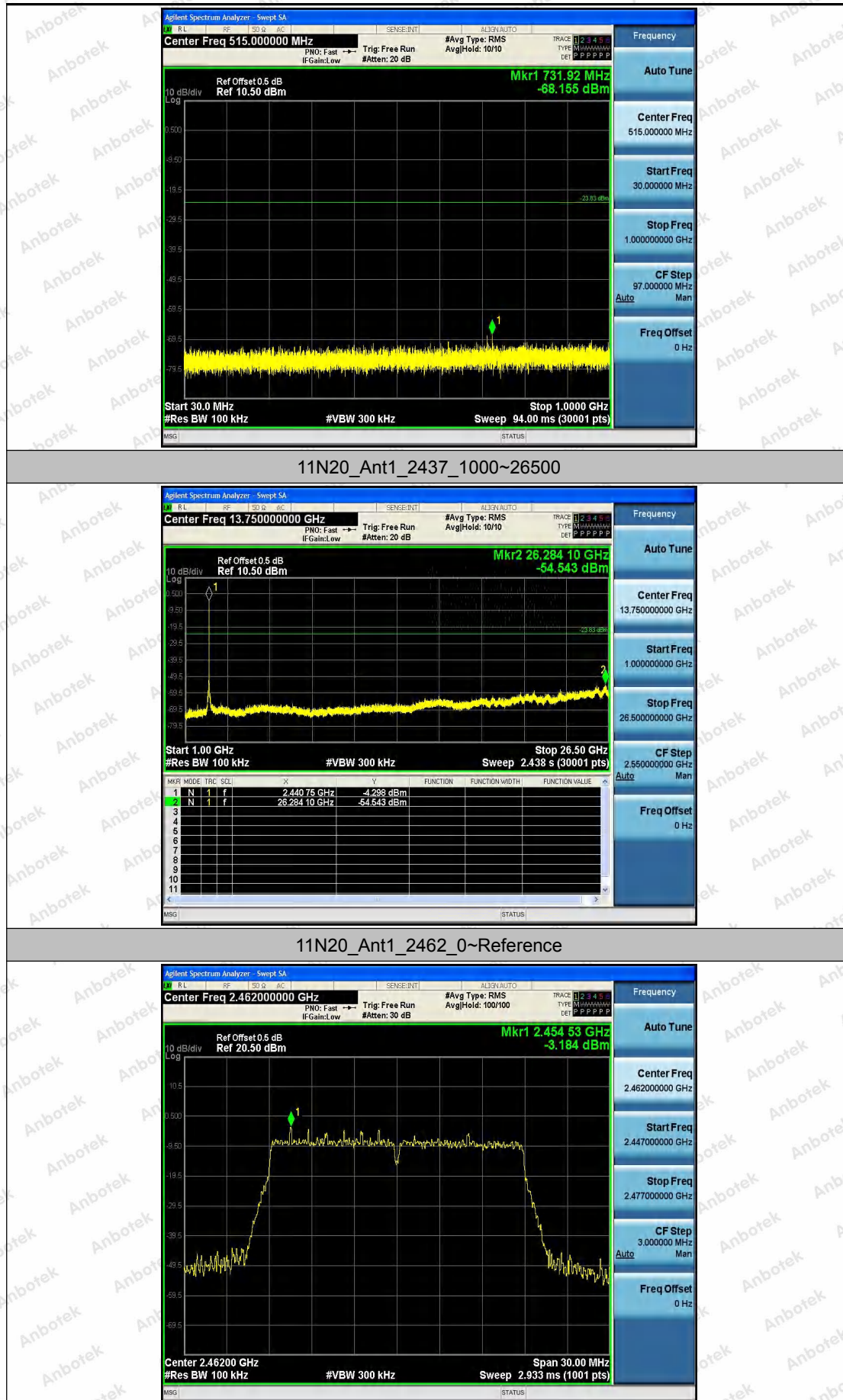
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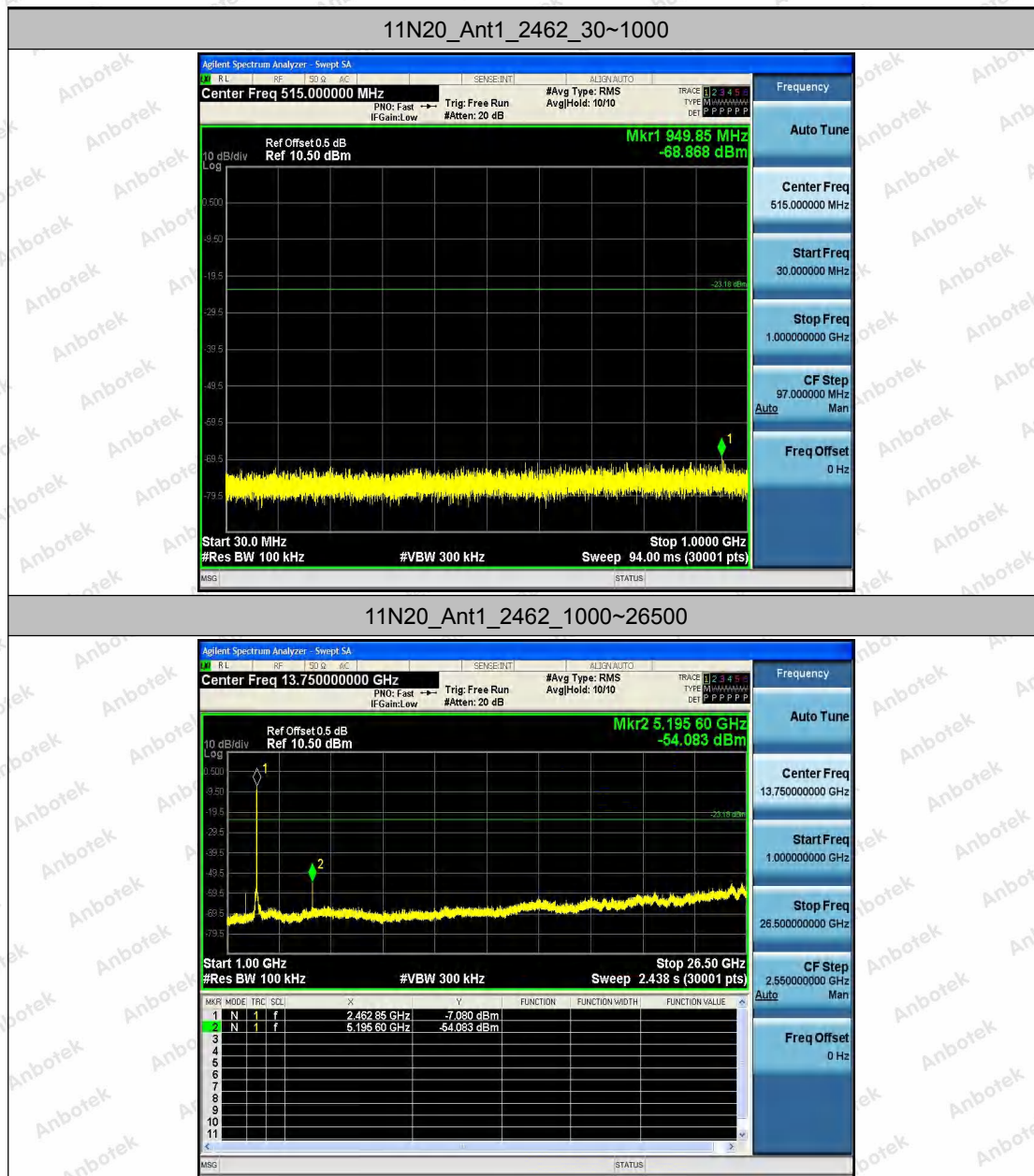
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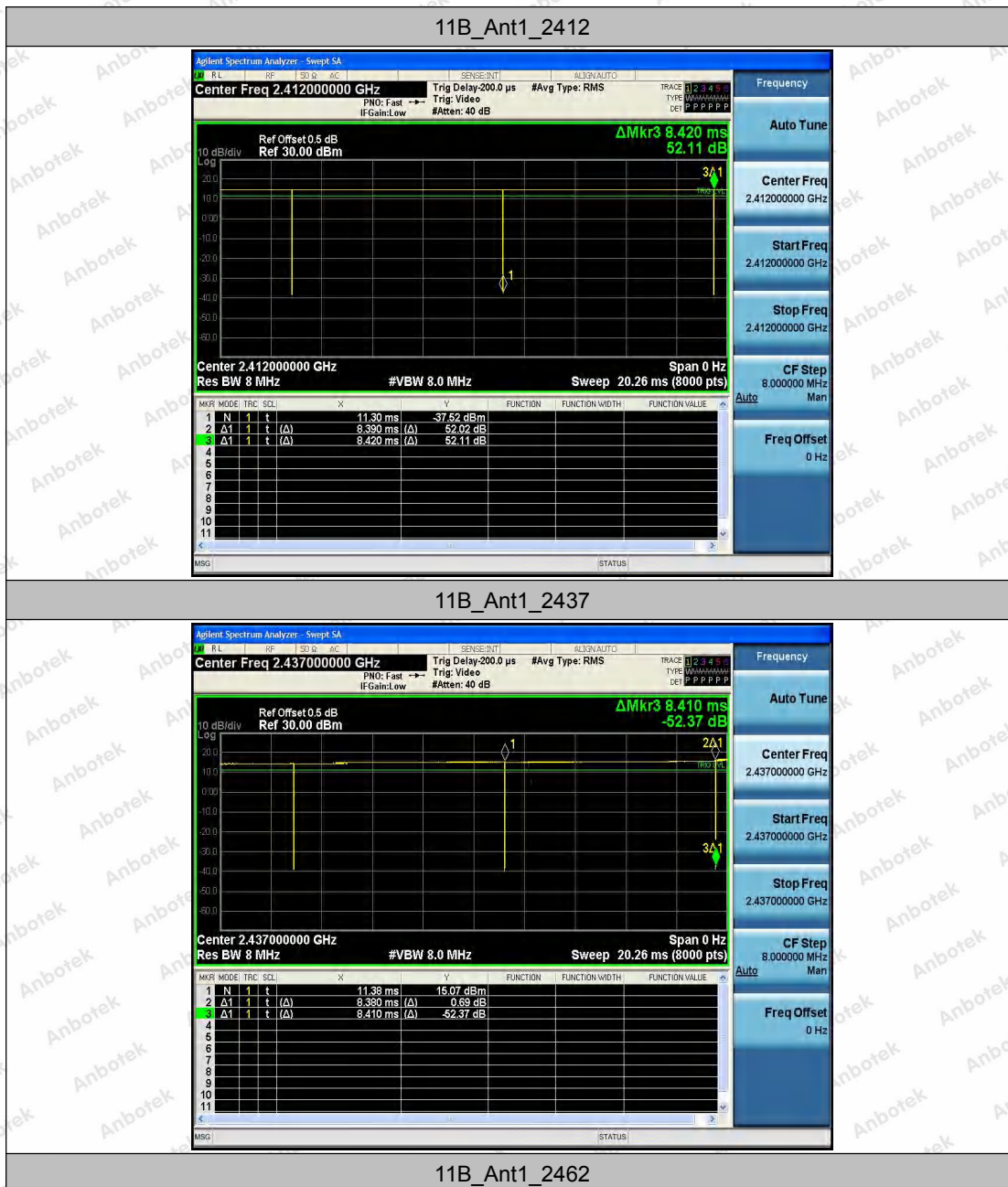
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.42	97.89	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.40	1.43	97.90	---	PASS
11N20	Ant1	2412	1.30	1.33	97.74	---	PASS
		2437	1.30	1.33	97.74	---	PASS
		2462	1.30	1.33	97.74	---	PASS



Test Graphs



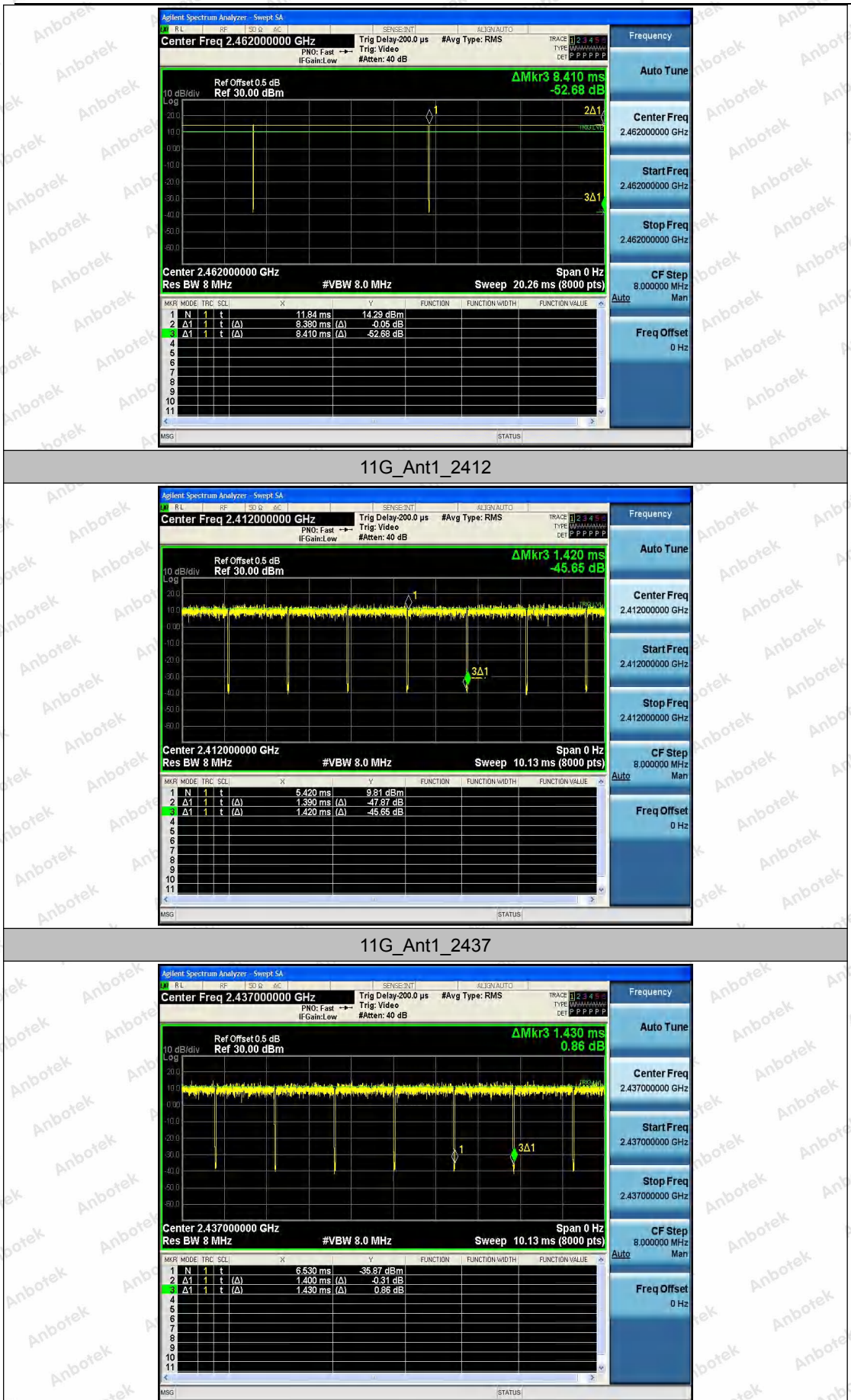
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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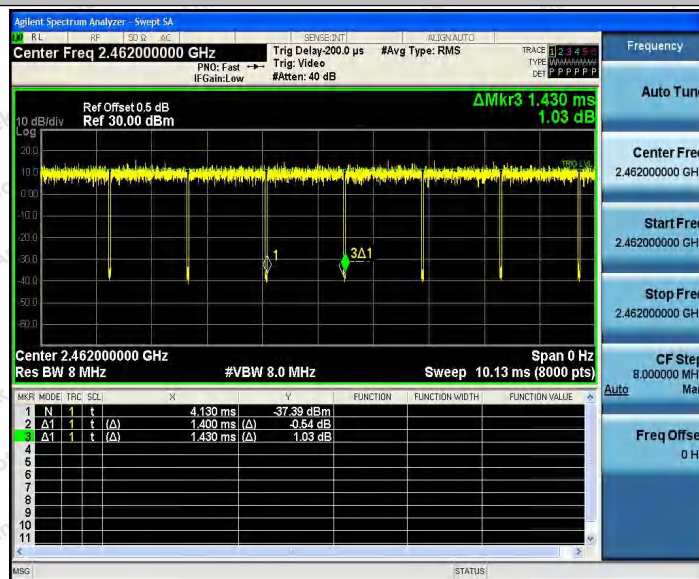
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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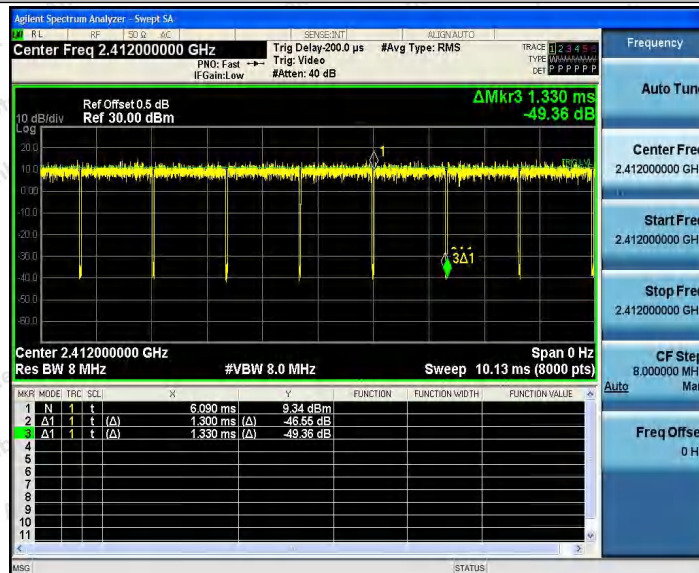
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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

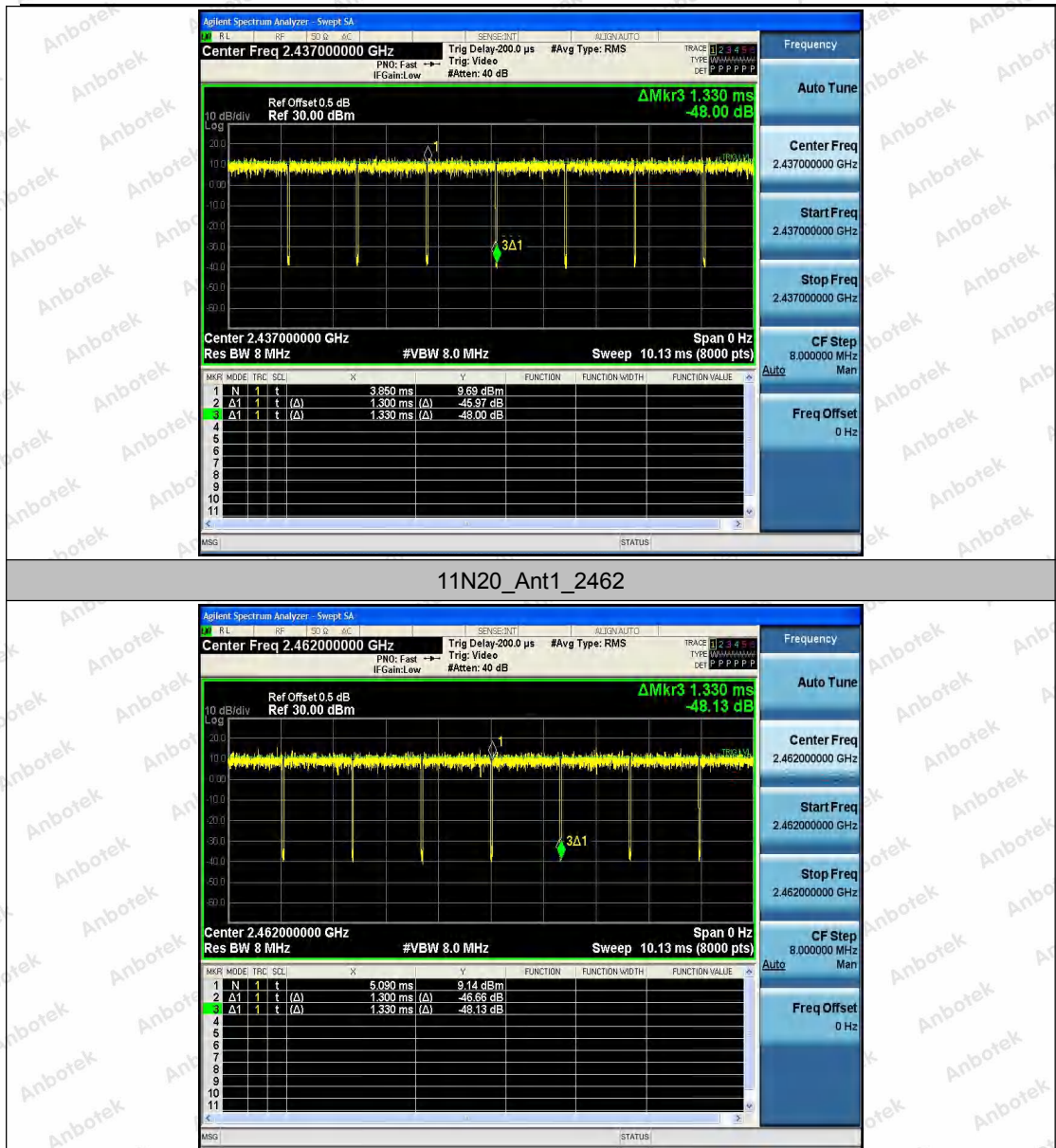
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