

Appendix Test Data

Report No.:	18220WC20029902	Test Sample No.:	1-2-2
Start Test Date:	2022.3.23	Finish Test Date:	2022.4.8
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56%
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	9.600	2407.440	2417.040	≥0.5	PASS
		2437	10.120	2431.960	2442.080	≥0.5	PASS
		2462	8.640	2457.920	2466.560	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥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

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



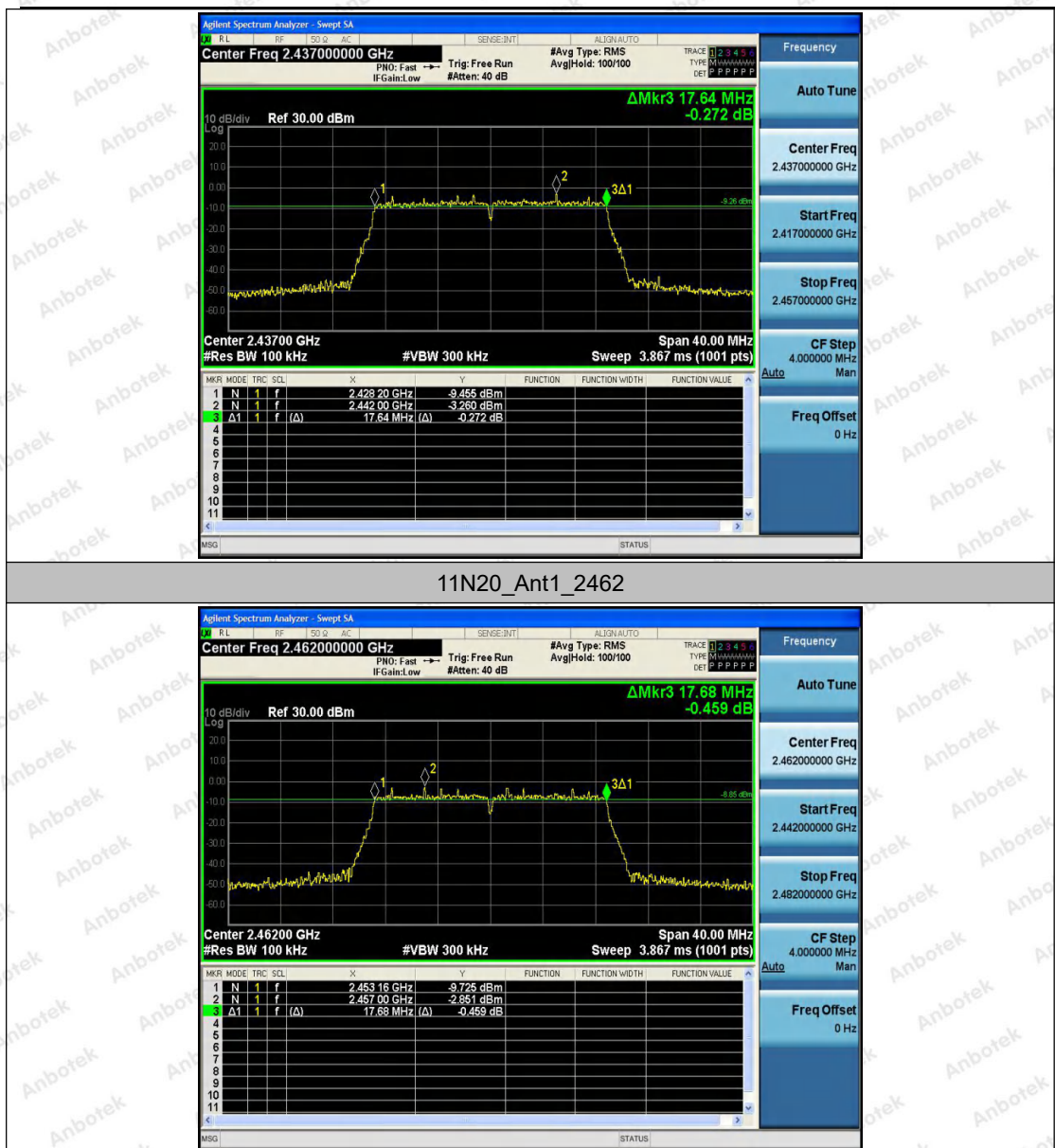
11N20_Ant1_2437

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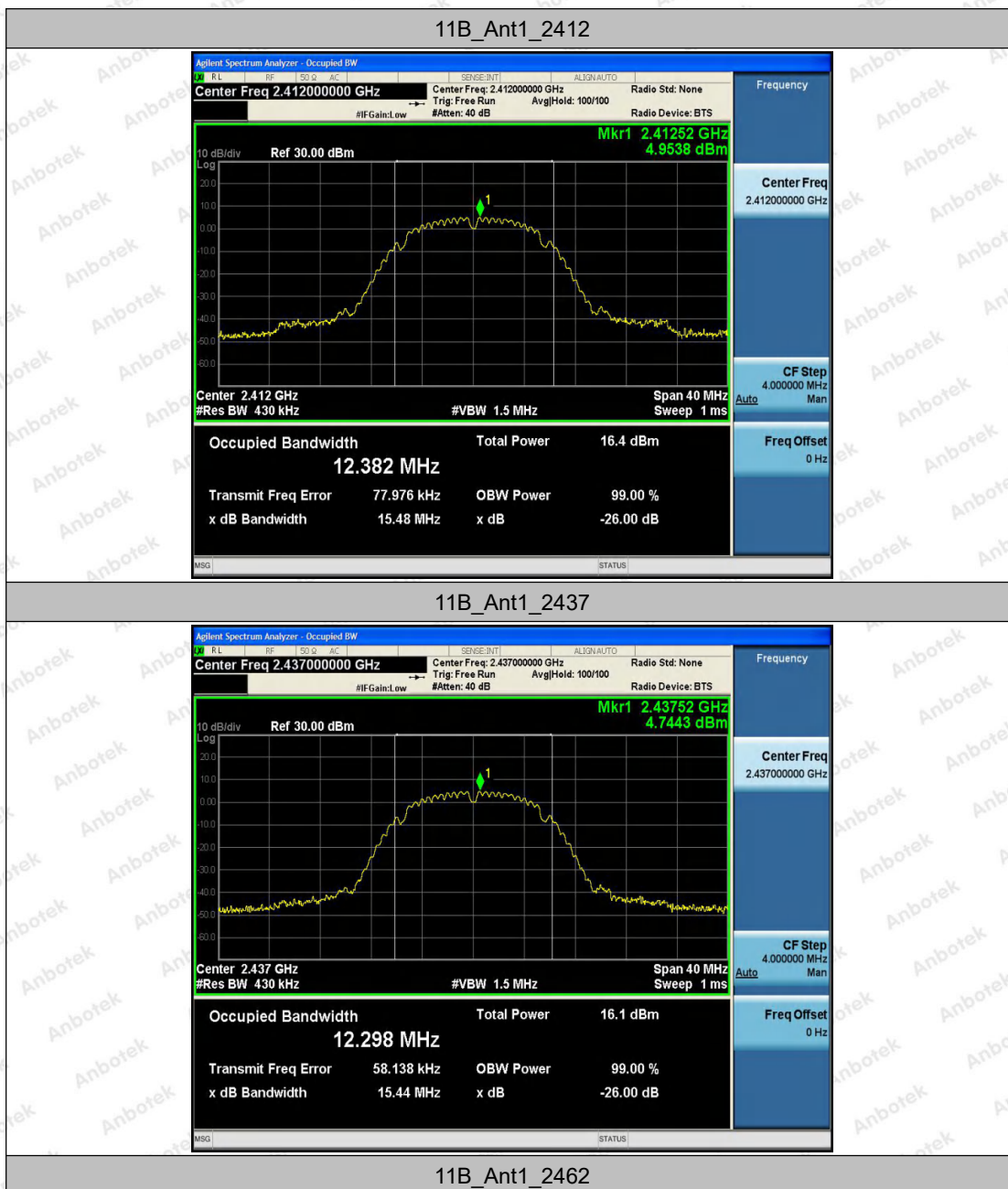
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.382	2405.887	2418.269	---	PASS
		2437	12.298	2430.909	2443.207	---	PASS
		2462	12.349	2455.839	2468.188	---	PASS
11G	Ant1	2412	17.124	2403.481	2420.605	---	PASS
		2437	17.078	2428.475	2445.553	---	PASS
		2462	17.177	2453.392	2470.569	---	PASS
11N20	Ant1	2412	17.932	2403.093	2421.025	---	PASS
		2437	17.971	2428.054	2446.025	---	PASS
		2462	17.966	2453.053	2471.019	---	PASS

Test Graphs

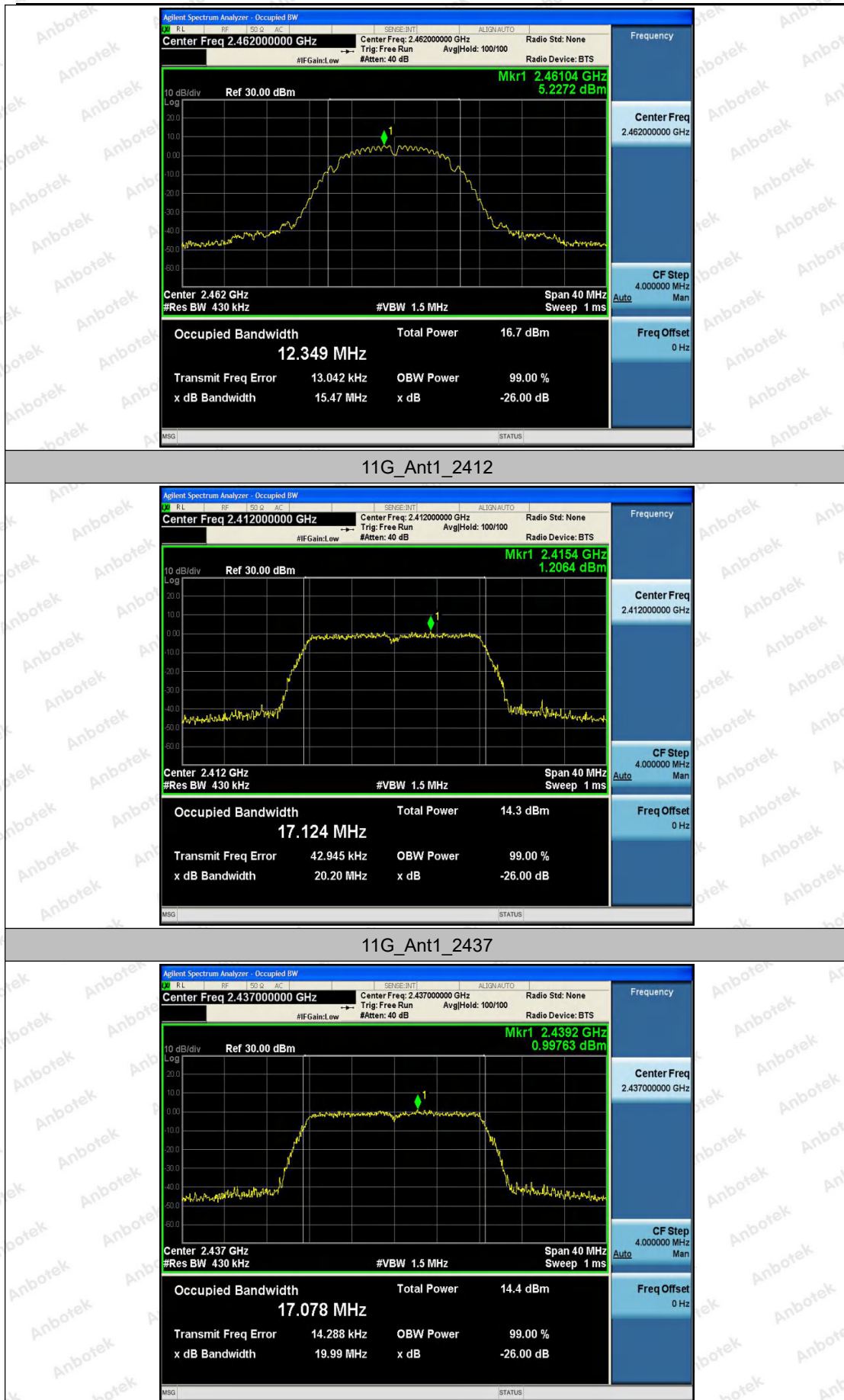


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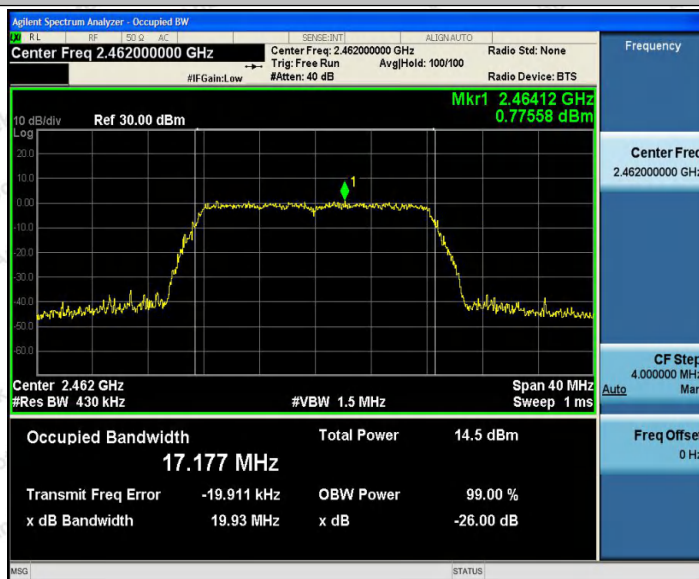
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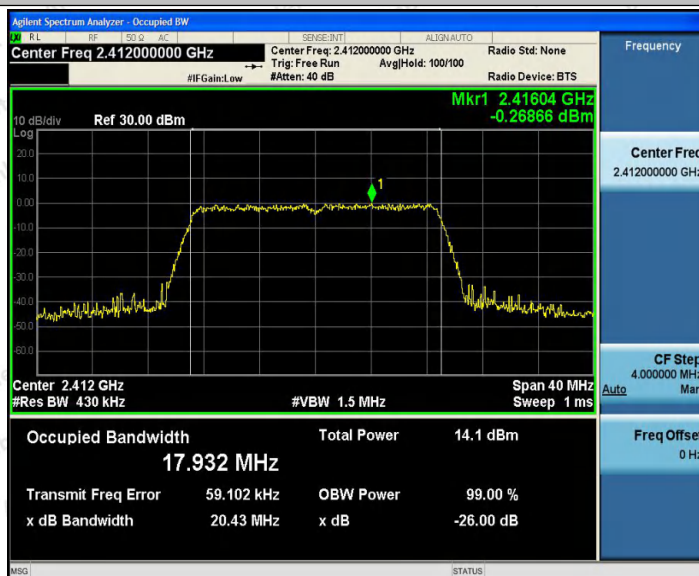
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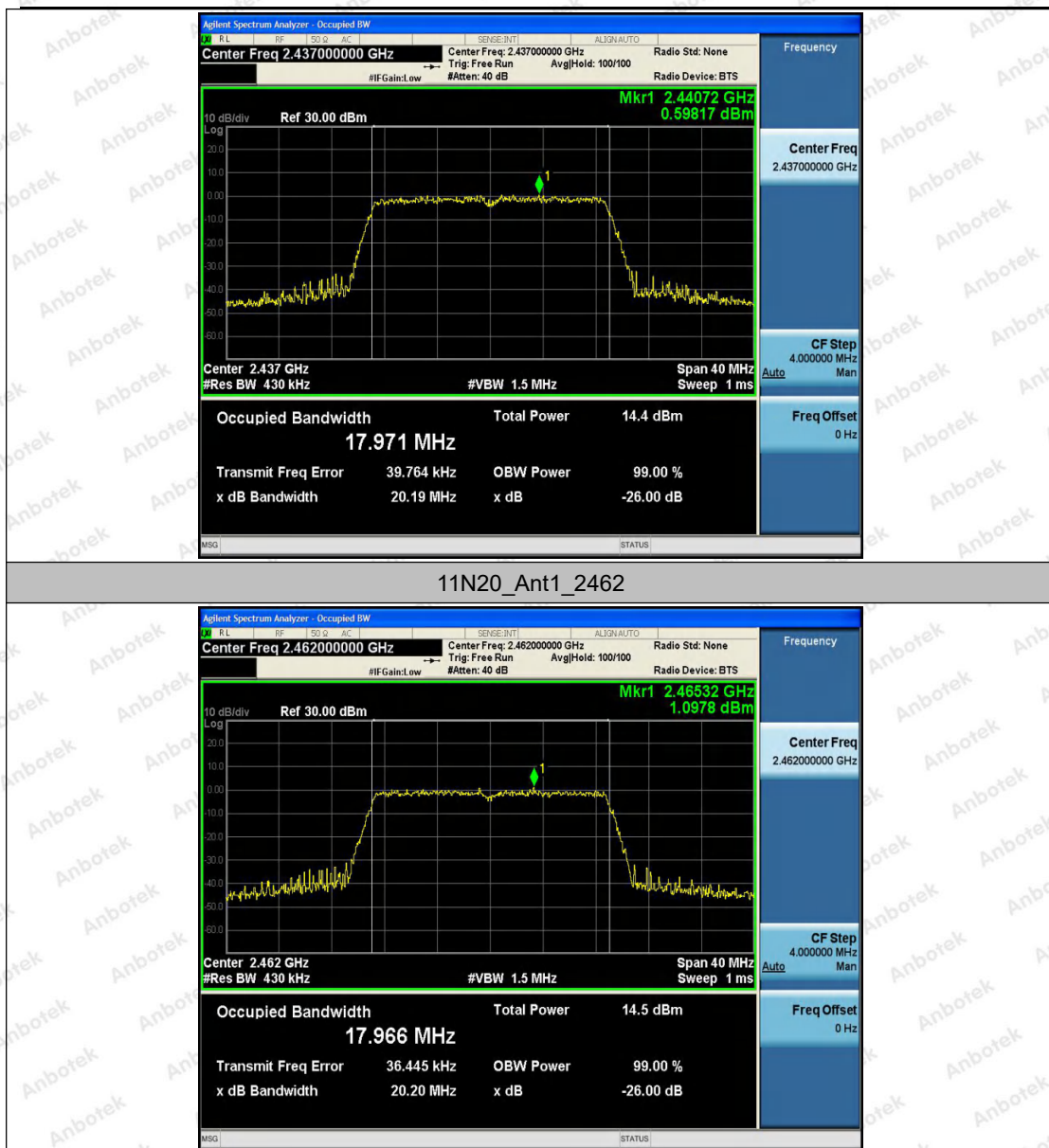
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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Appendix C: Maximum conducted output power

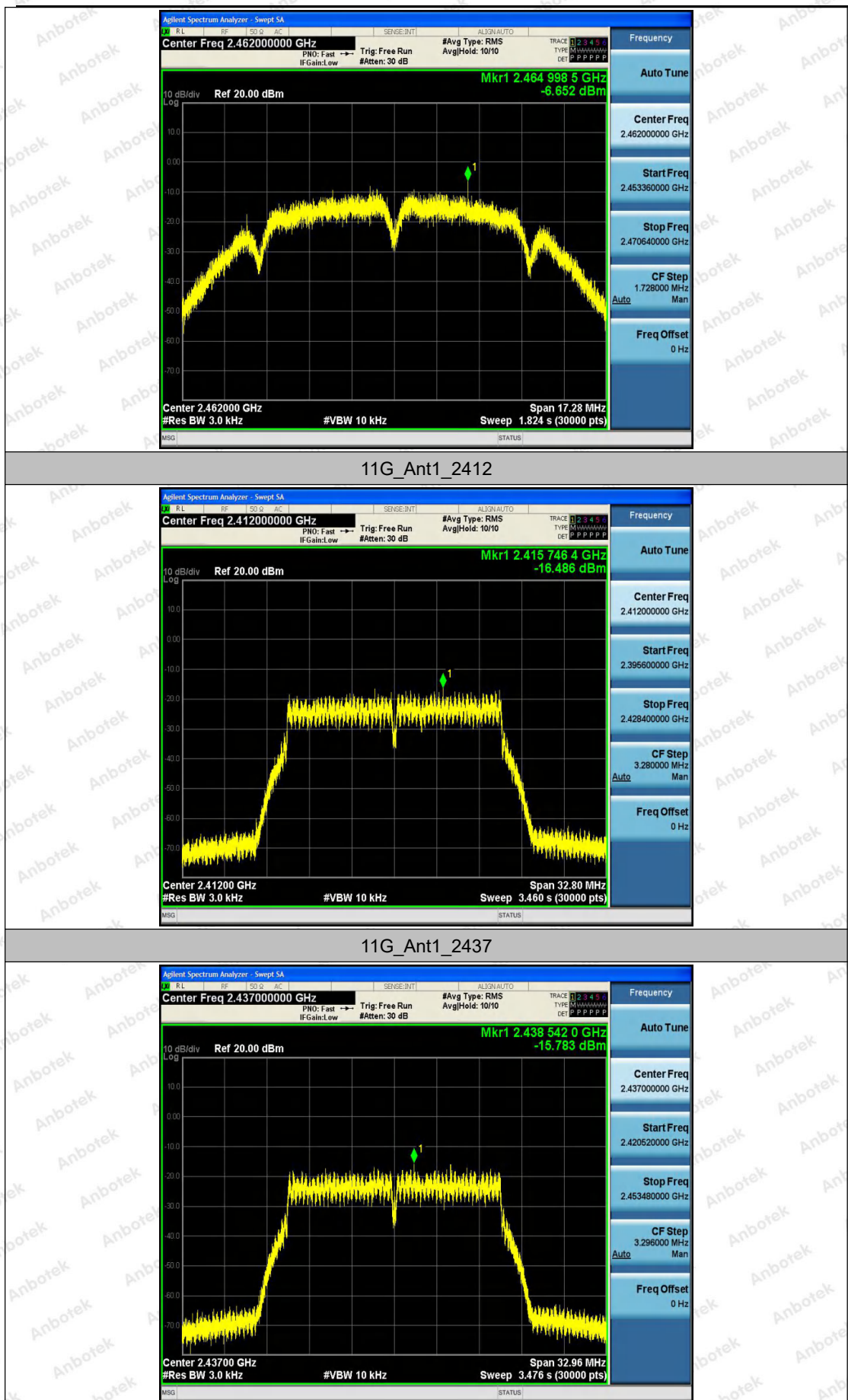
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.38	≤30	PASS
		2437	16.14	≤30	PASS
		2462	16.66	≤30	PASS
11G	Ant1	2412	15.32	≤30	PASS
		2437	15.58	≤30	PASS
		2462	15.66	≤30	PASS
11N20	Ant1	2412	15.40	≤30	PASS
		2437	15.53	≤30	PASS
		2462	15.67	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.14	≤8	PASS
		2437	-9.24	≤8	PASS
		2462	-6.65	≤8	PASS
11G	Ant1	2412	-16.49	≤8	PASS
		2437	-15.78	≤8	PASS
		2462	-16.24	≤8	PASS
11N20	Ant1	2412	-17.05	≤8	PASS
		2437	-16.18	≤8	PASS
		2462	-15.8	≤8	PASS



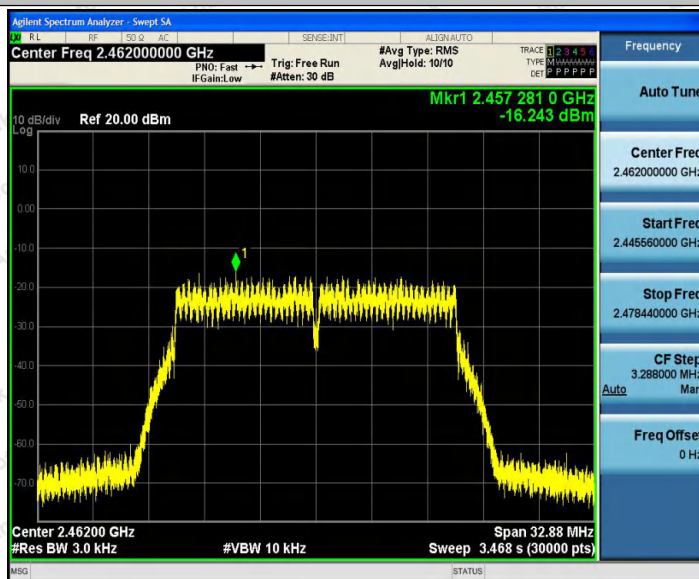
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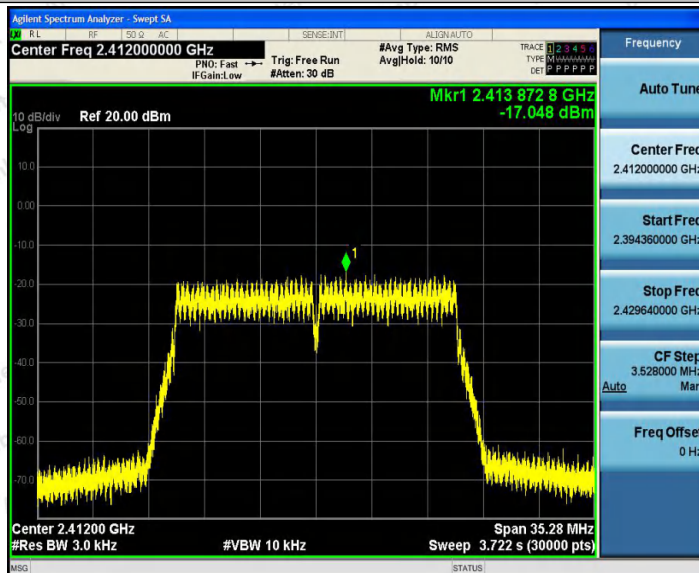
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11G_Ant1_2462



11N20_Ant1_2412



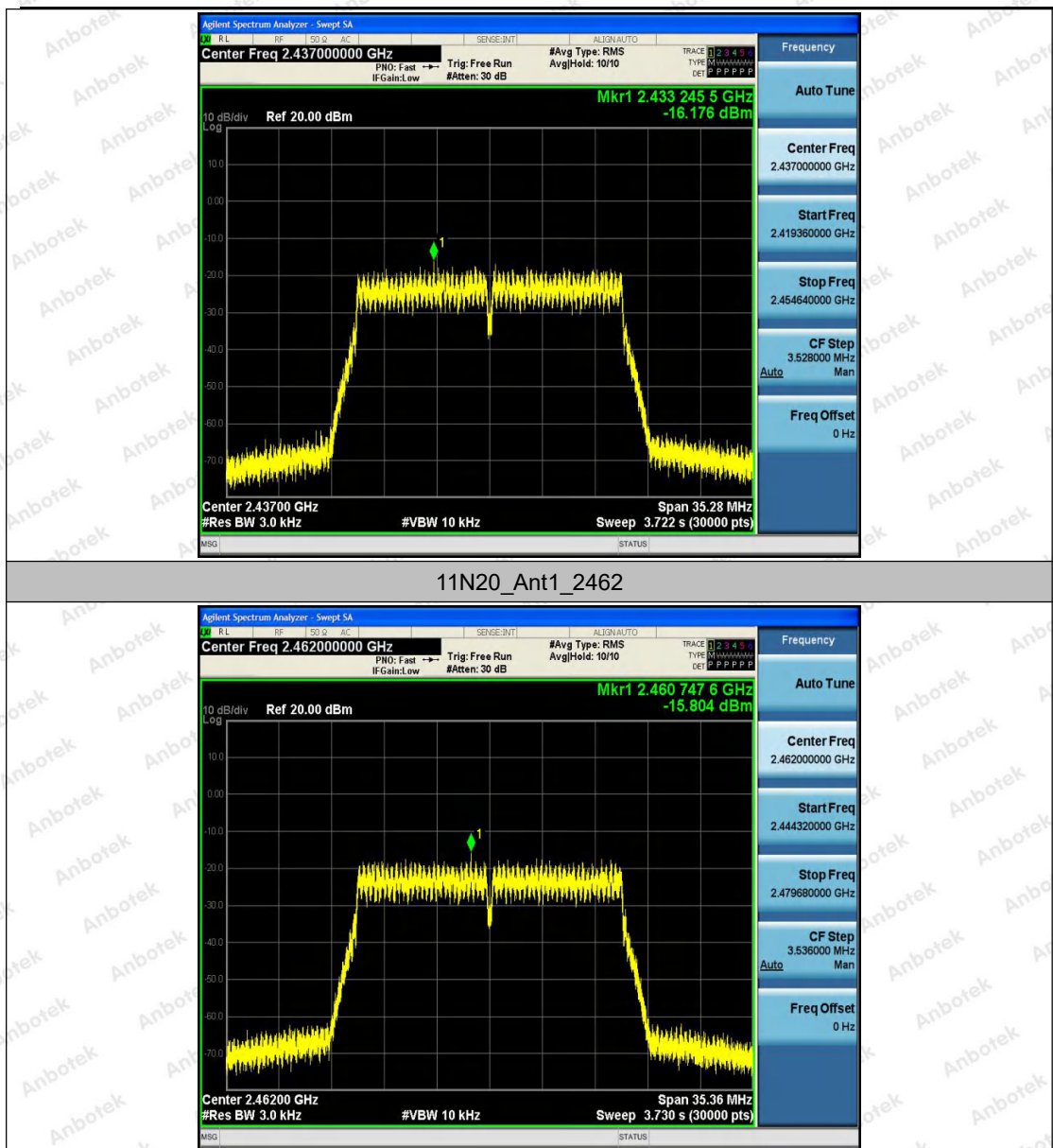
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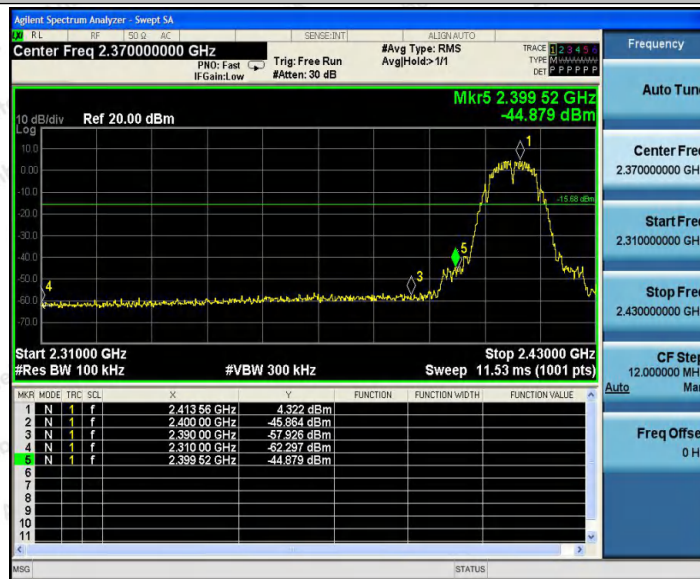
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.32	-44.88	≤ -15.68	PASS
		High	2462	5.19	-53.88	≤ -14.81	PASS
11G	Ant1	Low	2412	-2.74	-45.73	≤ -22.74	PASS
		High	2462	-3.29	-53.67	≤ -23.29	PASS
11N20	Ant1	Low	2412	-2.59	-45.43	≤ -22.59	PASS
		High	2462	-2.24	-51.9	≤ -22.24	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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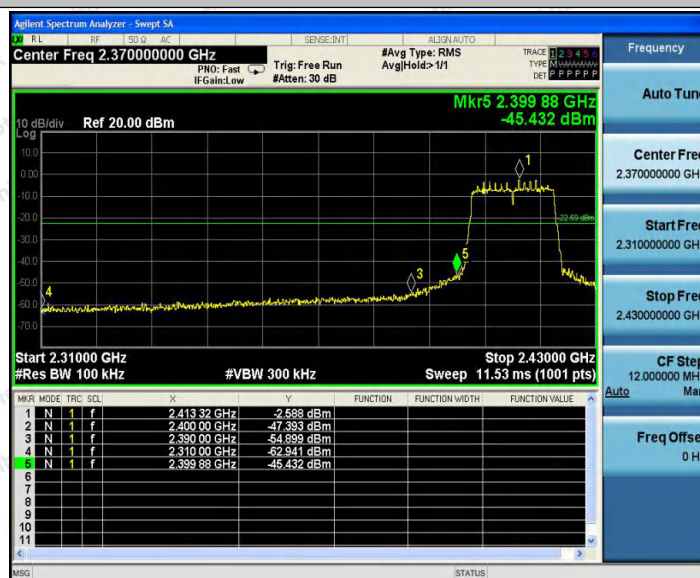
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

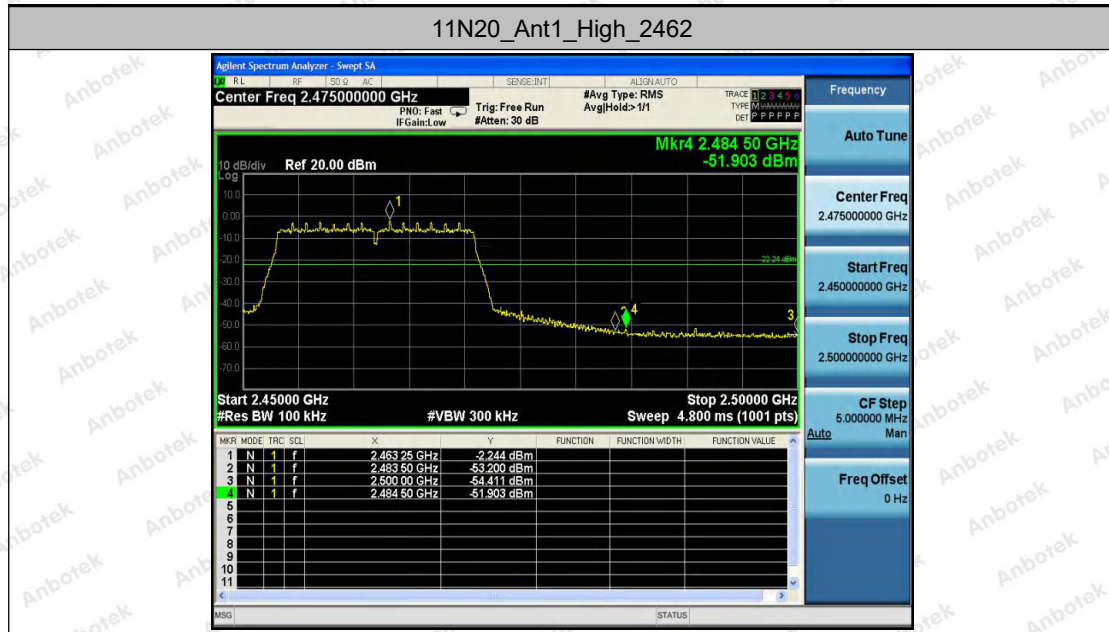


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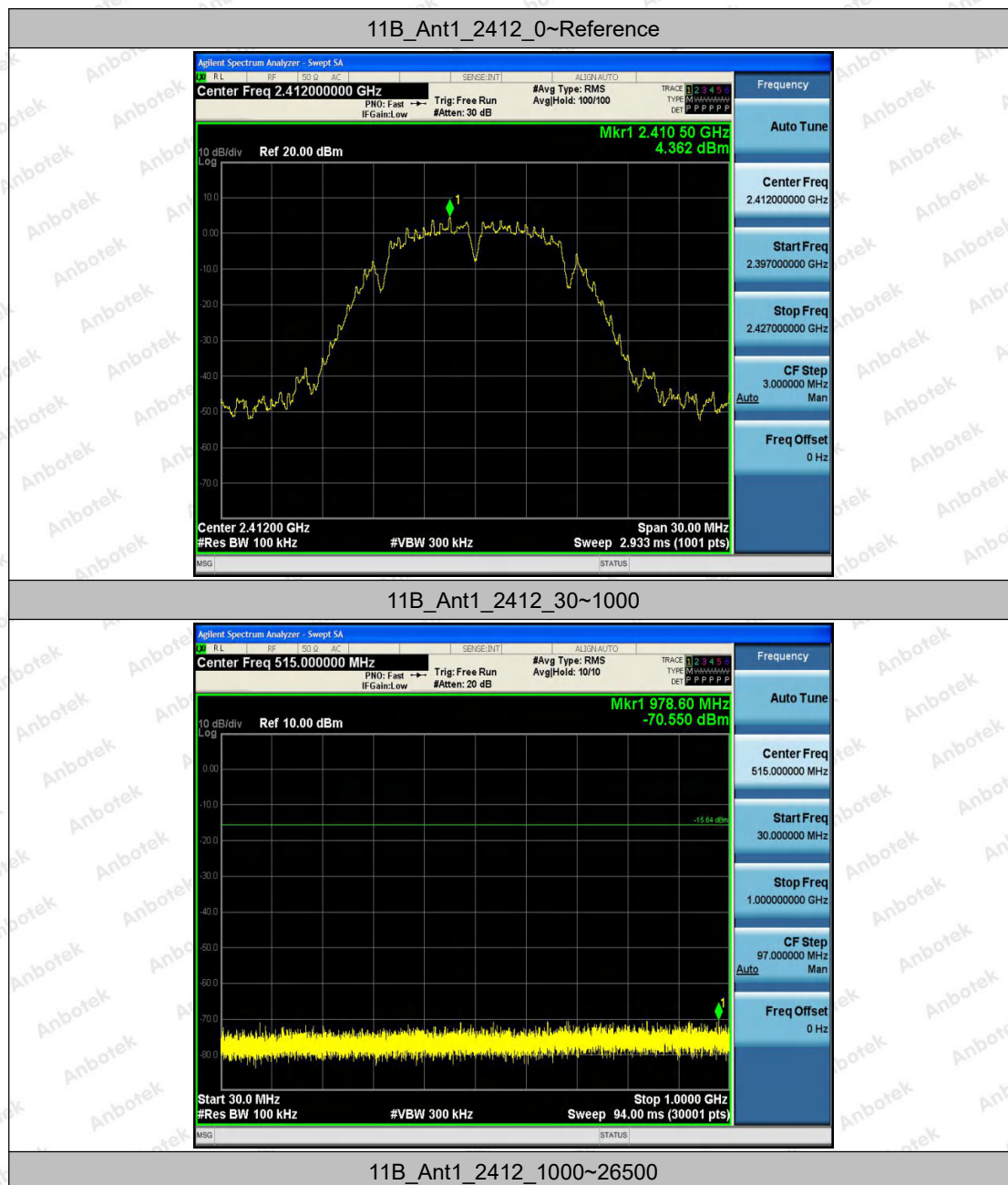
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.36	4.36	---	PASS
			30~1000	4.36	-70.55	≤-15.64	PASS
			1000~26500	4.36	-52.15	≤-15.64	PASS
		2437	Reference	3.91	3.91	---	PASS
			30~1000	3.91	-68.87	≤-16.09	PASS
			1000~26500	3.91	-54.46	≤-16.09	PASS
		2462	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-70.58	≤-15.4	PASS
			1000~26500	4.60	-55.47	≤-15.4	PASS
11G	Ant1	2412	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-70.35	≤-23.19	PASS
			1000~26500	-3.19	-55.78	≤-23.19	PASS
		2437	Reference	-3.81	-3.81	---	PASS
			30~1000	-3.81	-70.48	≤-23.81	PASS
			1000~26500	-3.81	-55.05	≤-23.81	PASS
		2462	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-70.41	≤-23.3	PASS
			1000~26500	-3.30	-55.82	≤-23.3	PASS
11N20	Ant1	2412	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-70.78	≤-22.61	PASS
			1000~26500	-2.61	-55.56	≤-22.61	PASS
		2437	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-69.91	≤-24.09	PASS
			1000~26500	-4.09	-55.66	≤-24.09	PASS
		2462	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-69.92	≤-23.19	PASS
			1000~26500	-3.19	-56.12	≤-23.19	PASS

Test Graphs

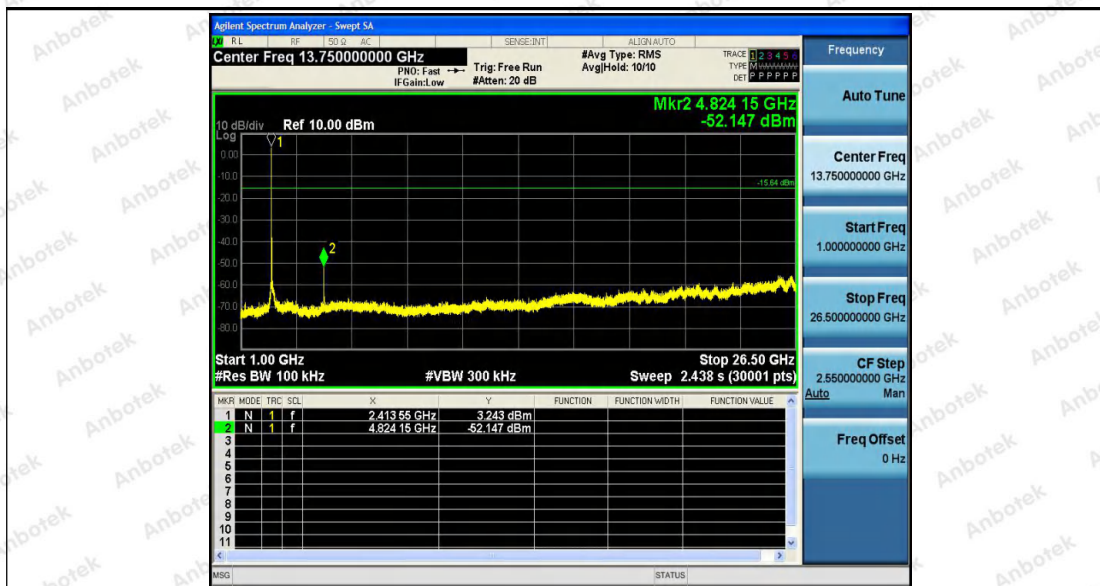


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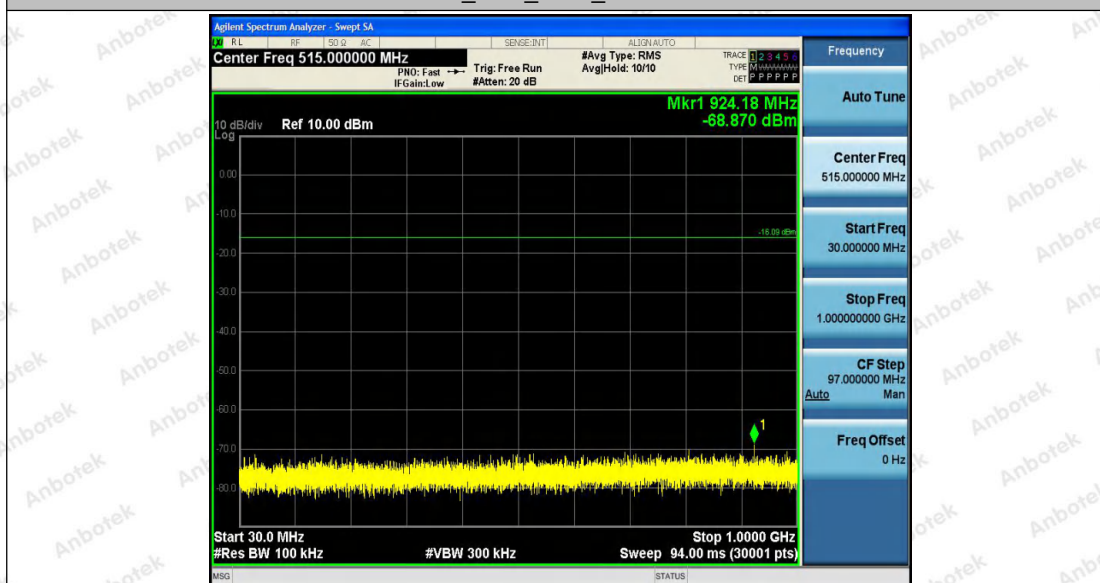
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



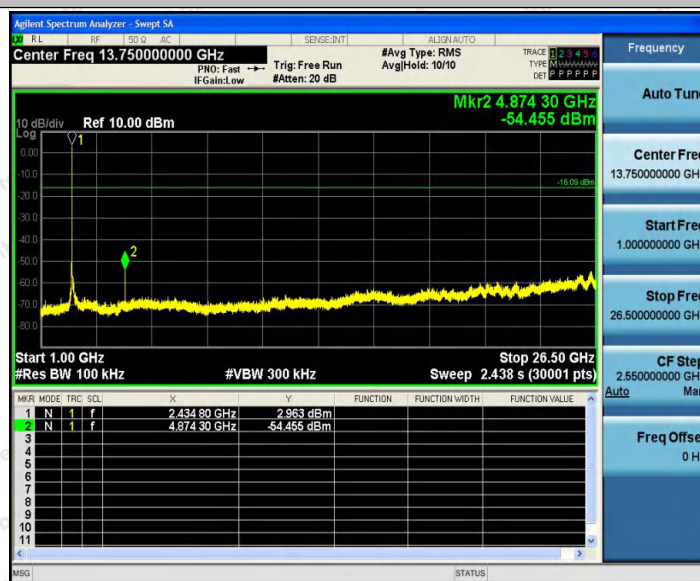
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



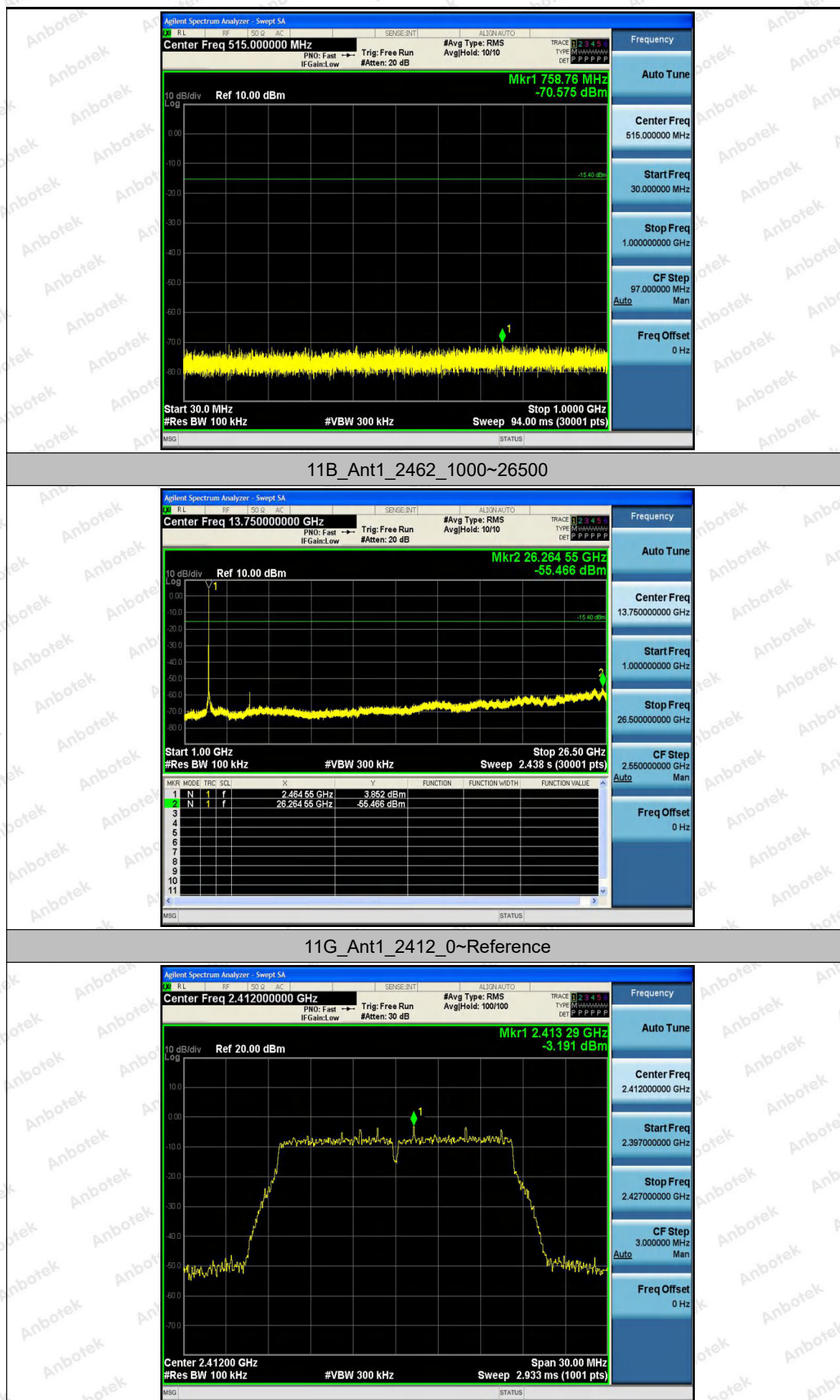
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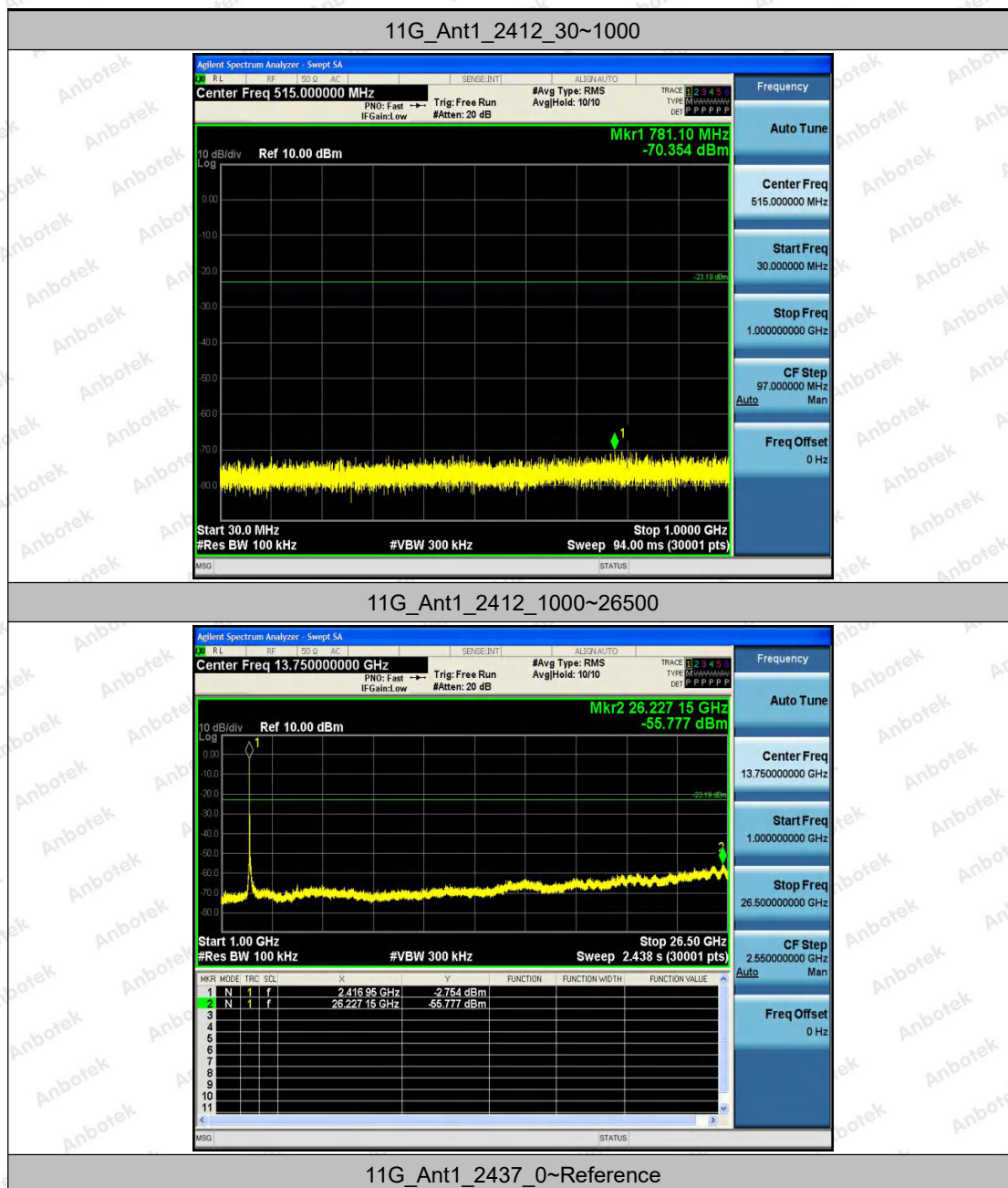


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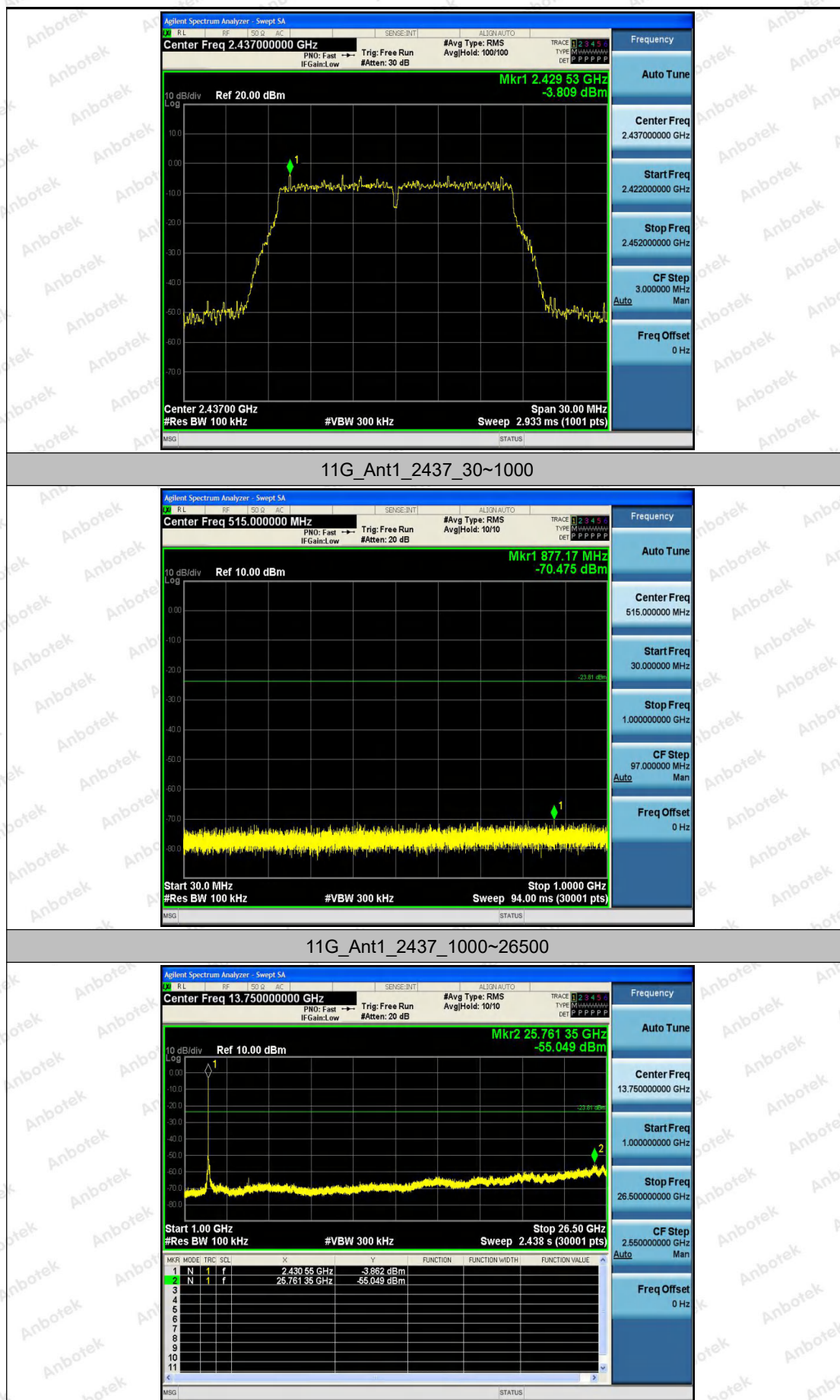


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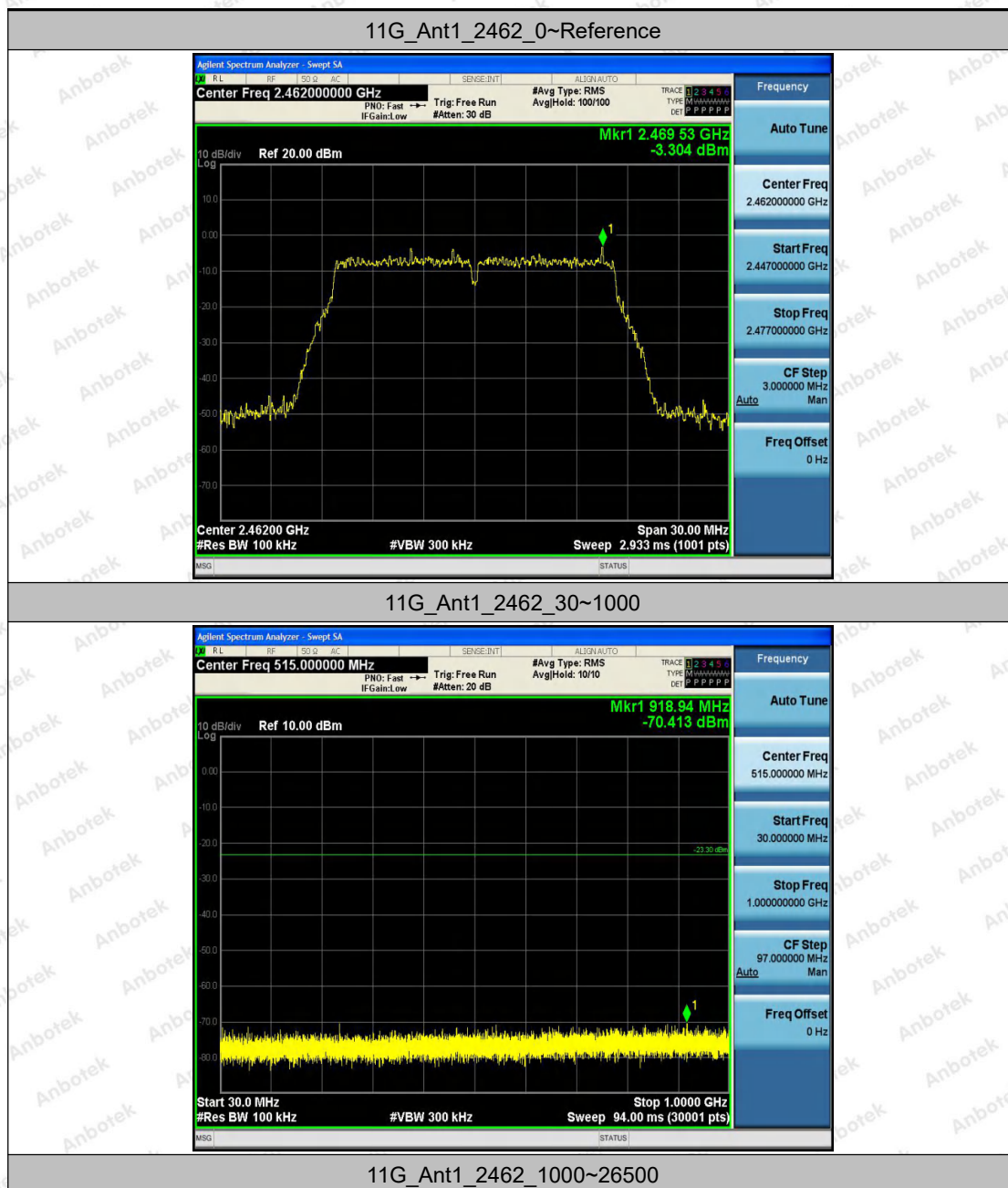


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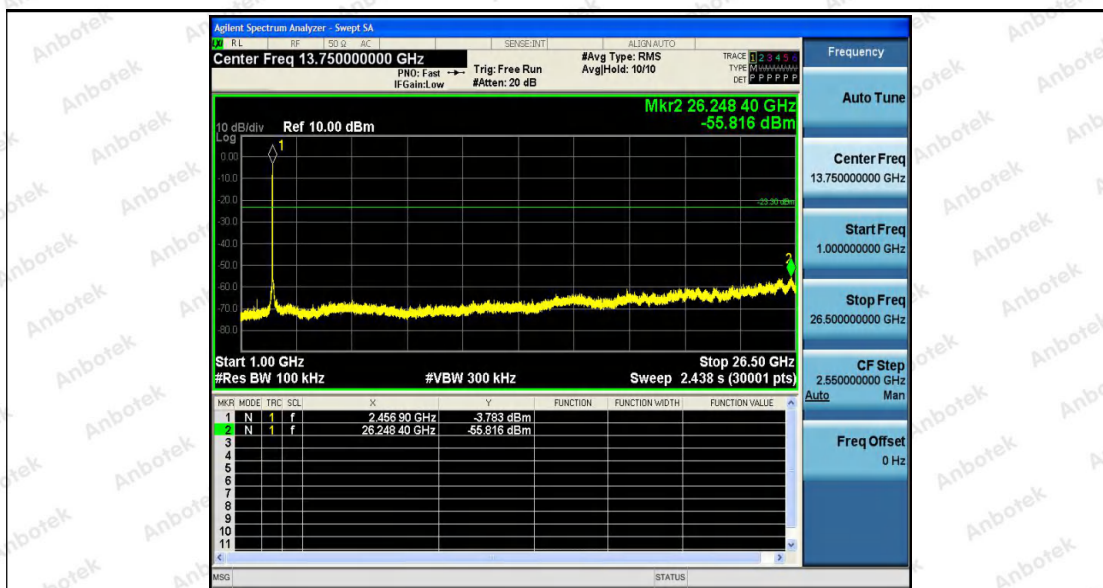


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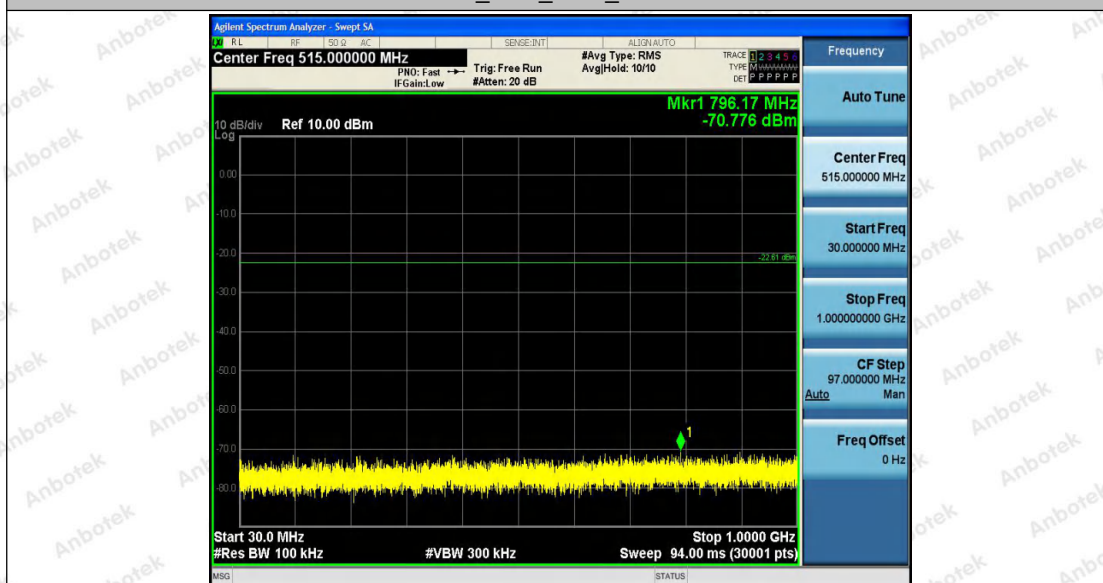
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



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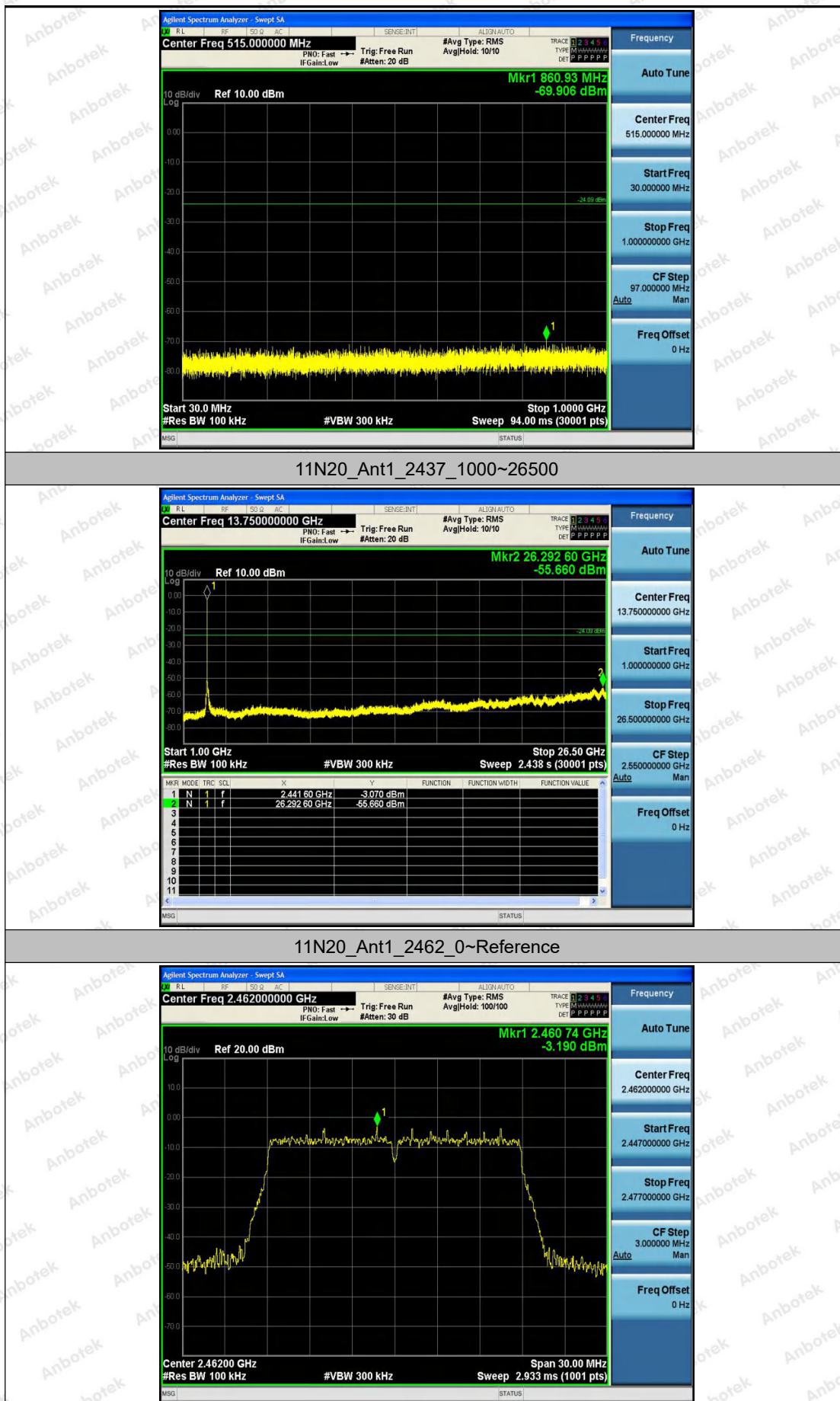
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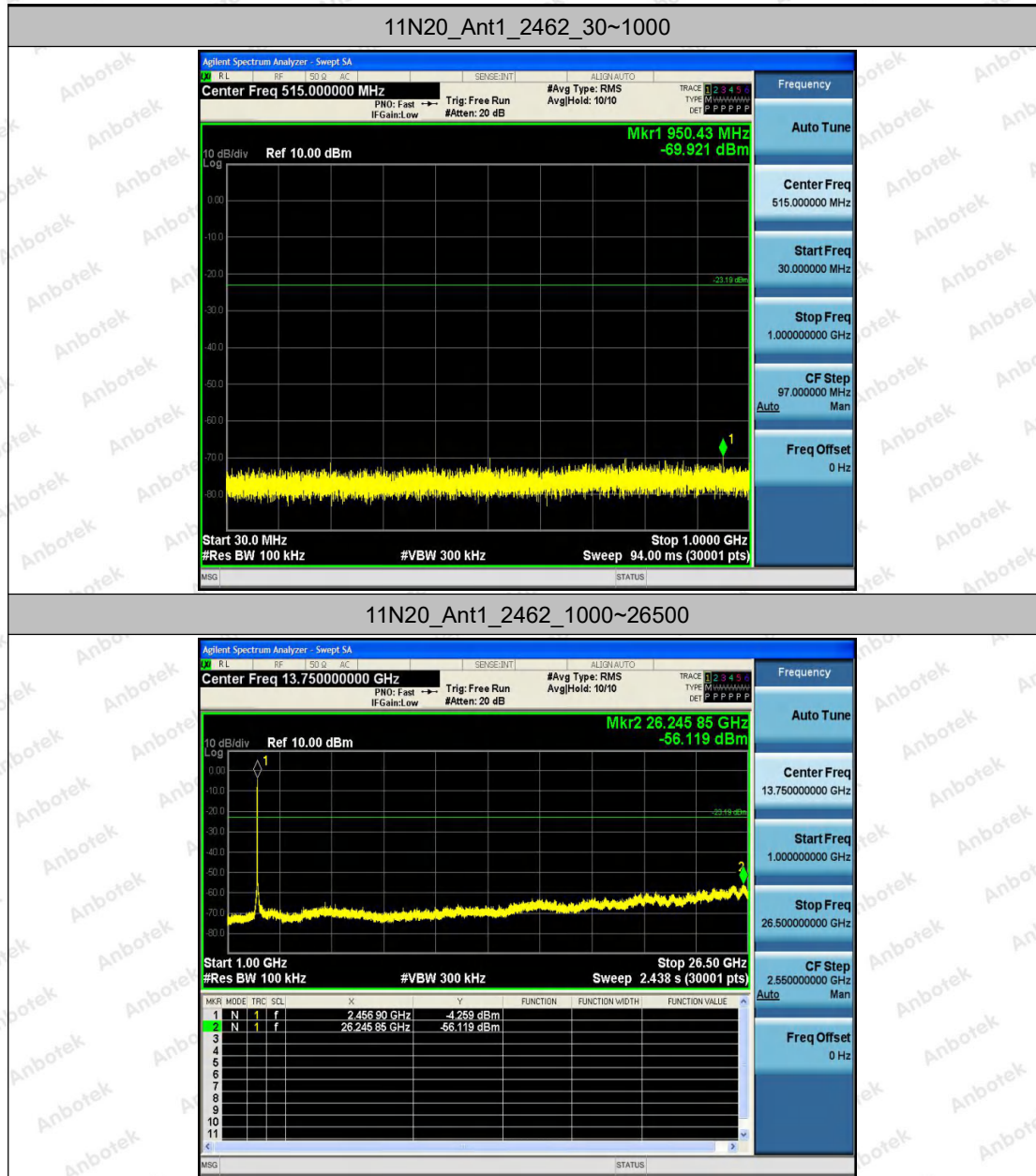


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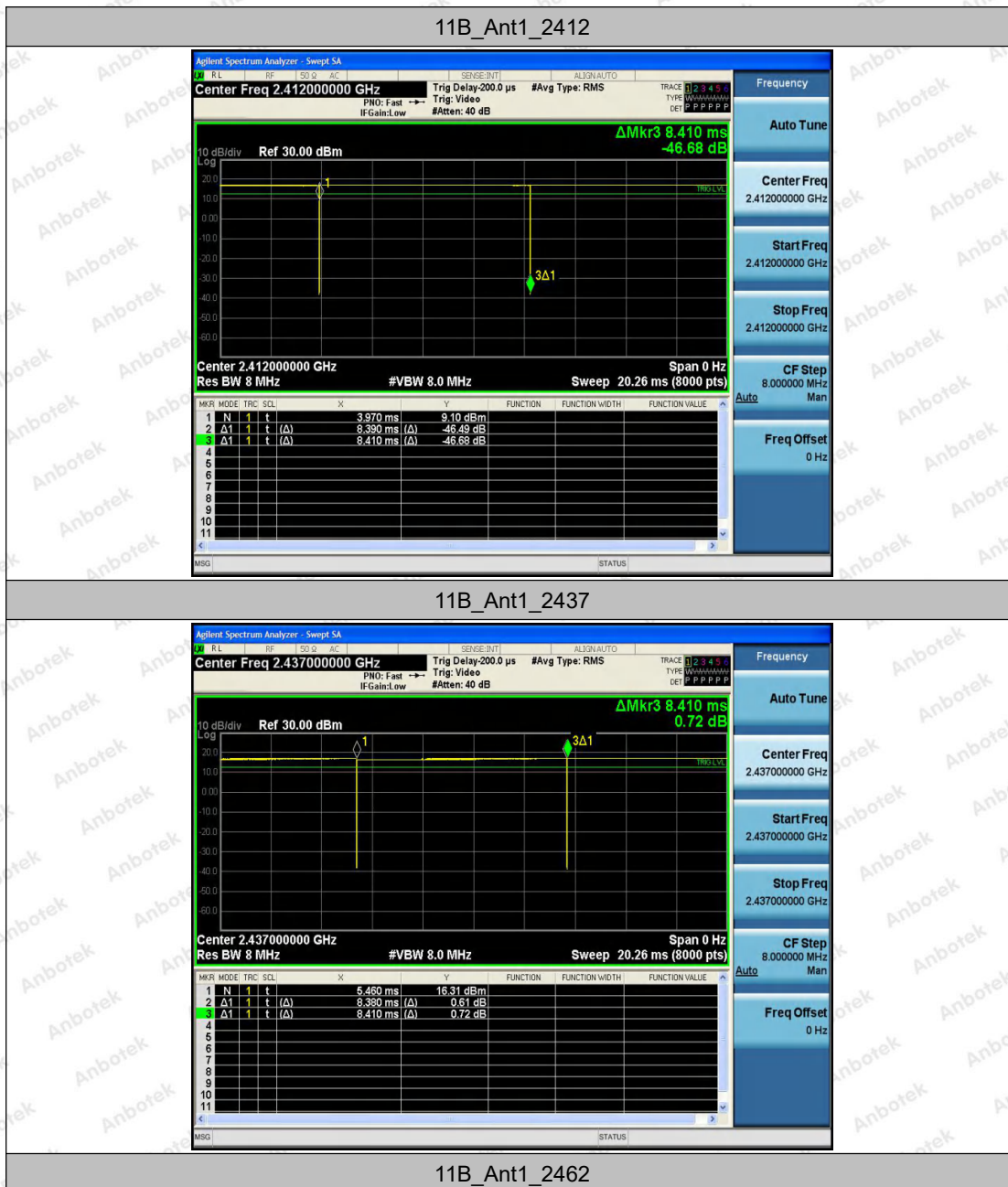
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.41	99.76	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.42	97.89	---	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

Test Graphs



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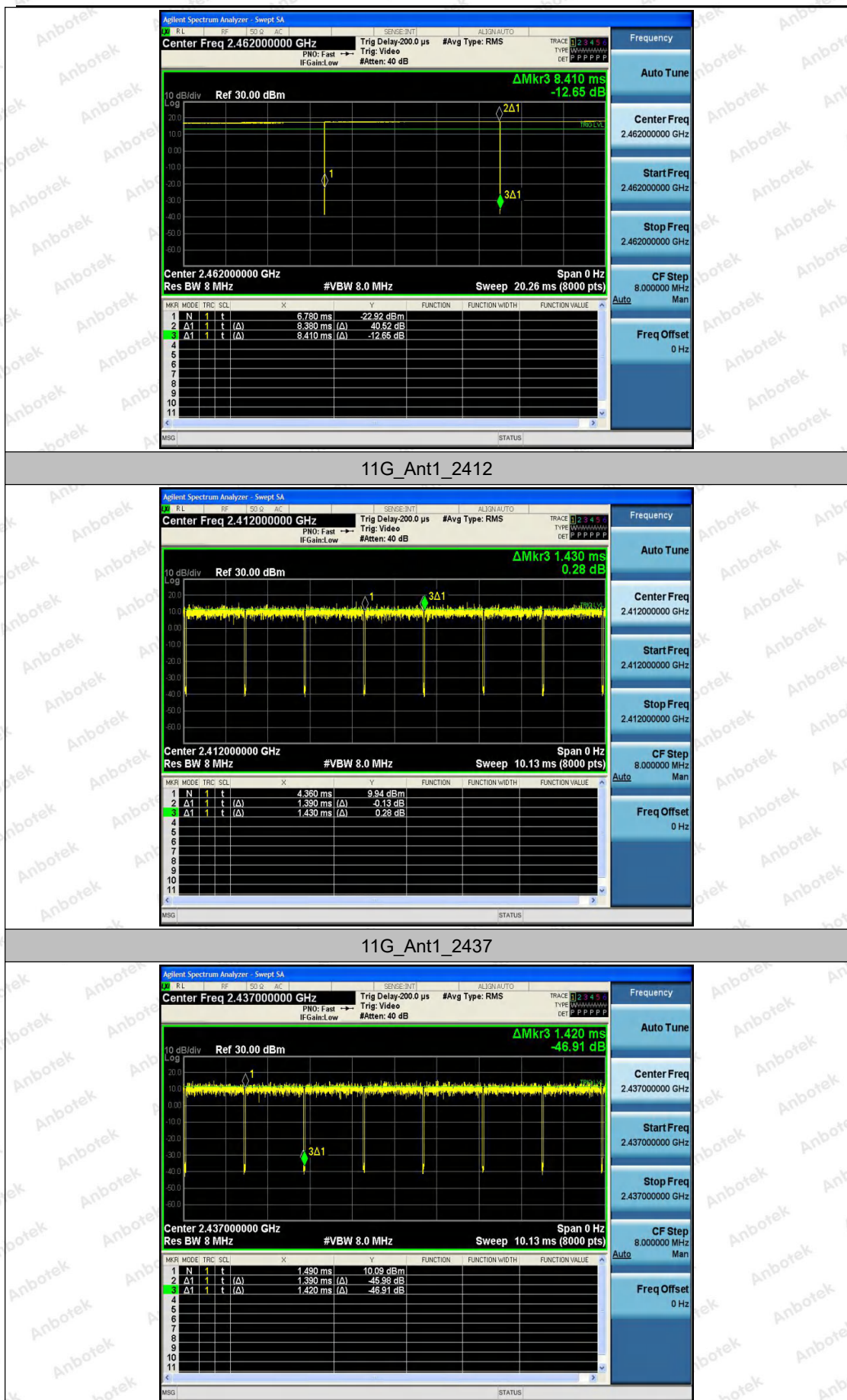
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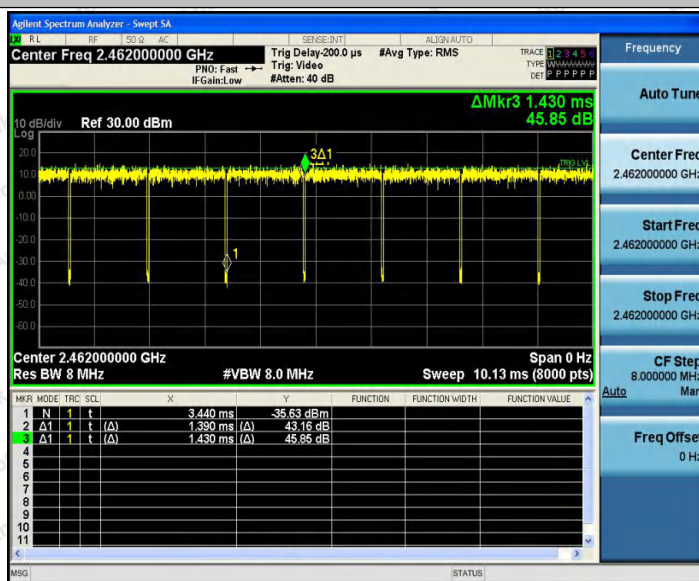
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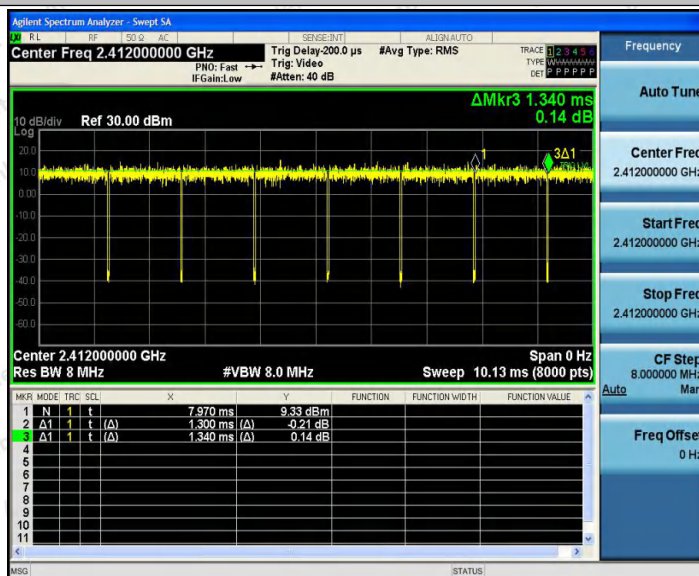
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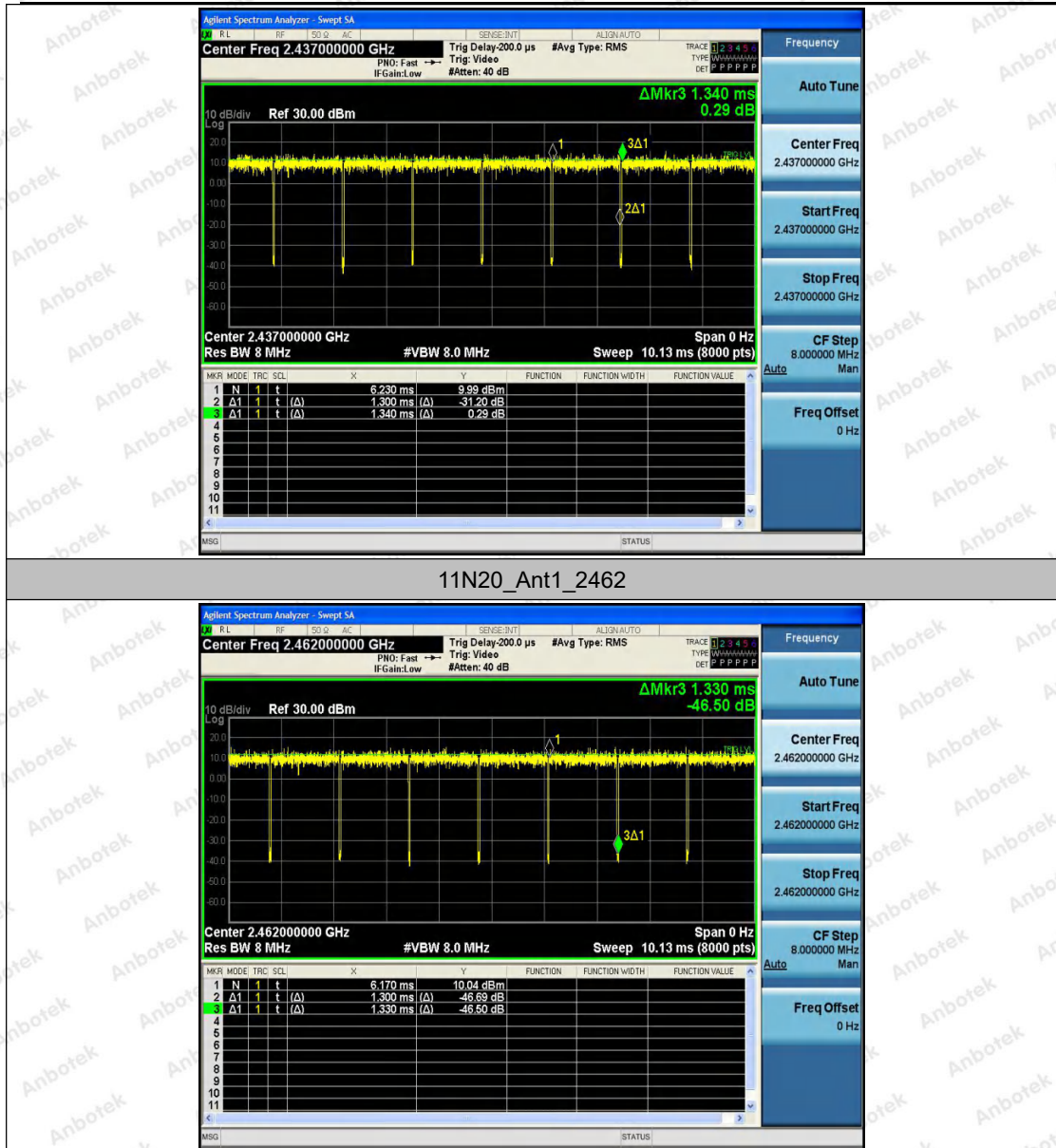
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11N20_Ant1_2412



11N20_Ant1_2437



---End---