

Appendix Test Data

Report No.:	18220WC20064702	Test Sample No.:	1-2-2
Start Test Date:	2022.6.13	Finish Test Date:	2022.6.21
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
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	9.120	2407.440	2416.560	≥0.5	PASS
		2437	9.600	2432.440	2442.040	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	≥0.5	PASS
		2437	16.440	2428.760	2445.200	≥0.5	PASS
		2462	16.480	2453.760	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.720	2428.160	2445.880	≥0.5	PASS
		2462	17.240	2453.560	2470.800	≥0.5	PASS

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Test Graphs





11G_Ant1_2412



11G_Ant1_2437



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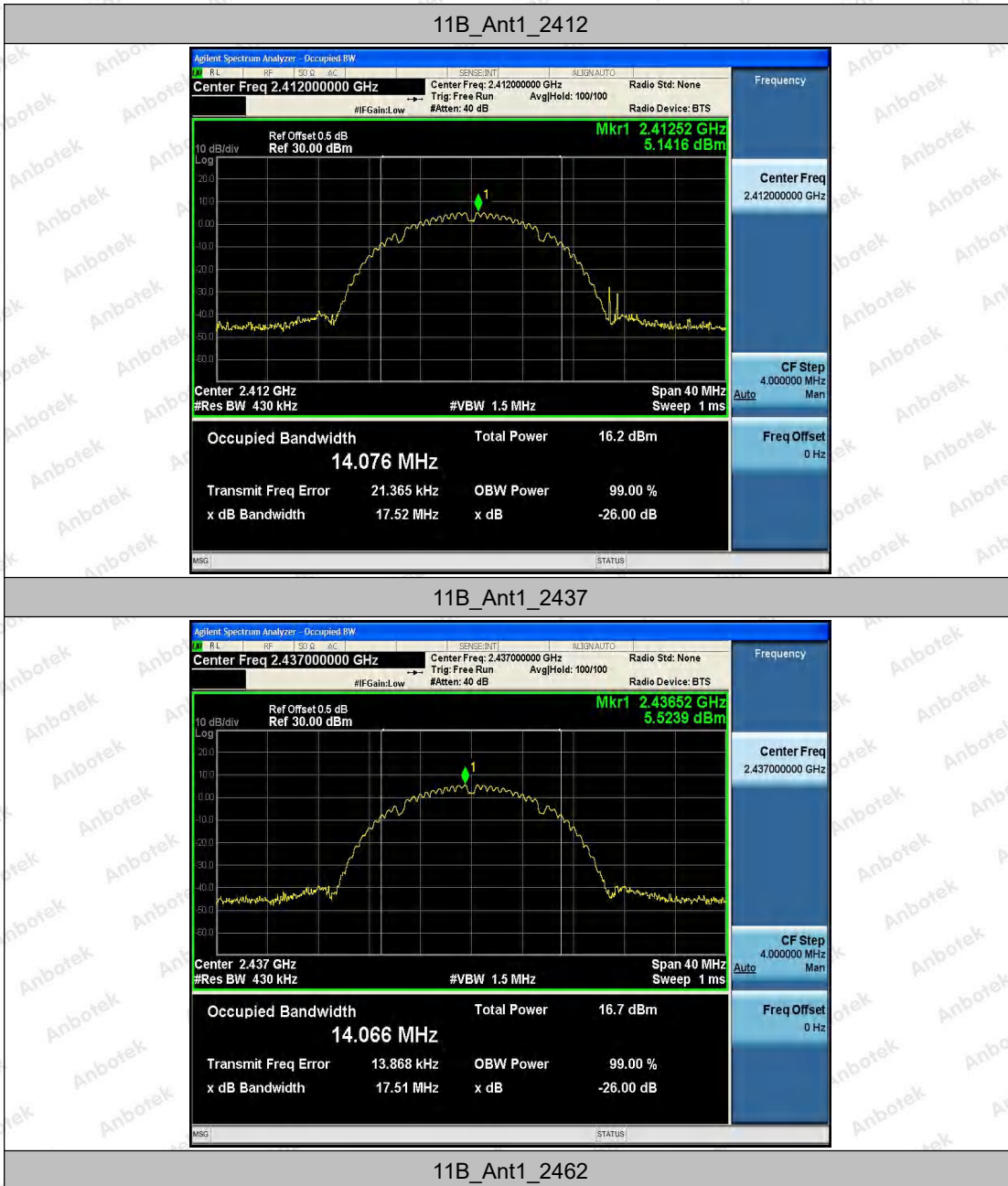
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.076	2404.983	2419.059	---	PASS
		2437	14.066	2429.981	2444.047	---	PASS
		2462	14.073	2454.978	2469.051	---	PASS
11G	Ant1	2412	17.225	2403.466	2420.691	---	PASS
		2437	17.257	2428.347	2445.604	---	PASS
		2462	17.186	2453.453	2470.639	---	PASS
11N20	Ant1	2412	18.172	2402.961	2421.133	---	PASS
		2437	18.157	2427.952	2446.109	---	PASS
		2462	18.300	2452.800	2471.100	---	PASS

Test Graphs



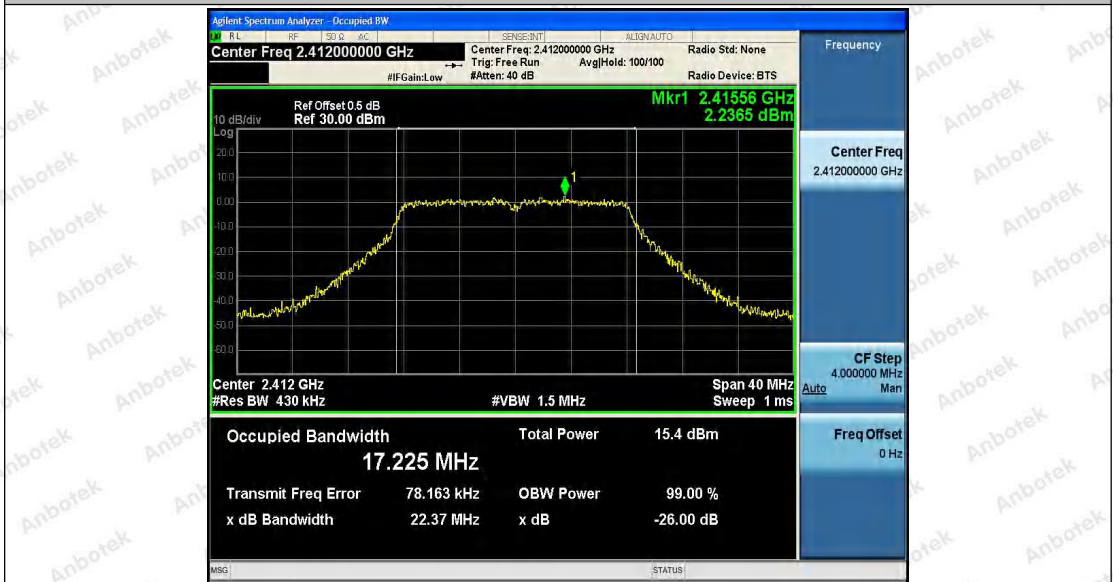
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11G_Ant1_2412



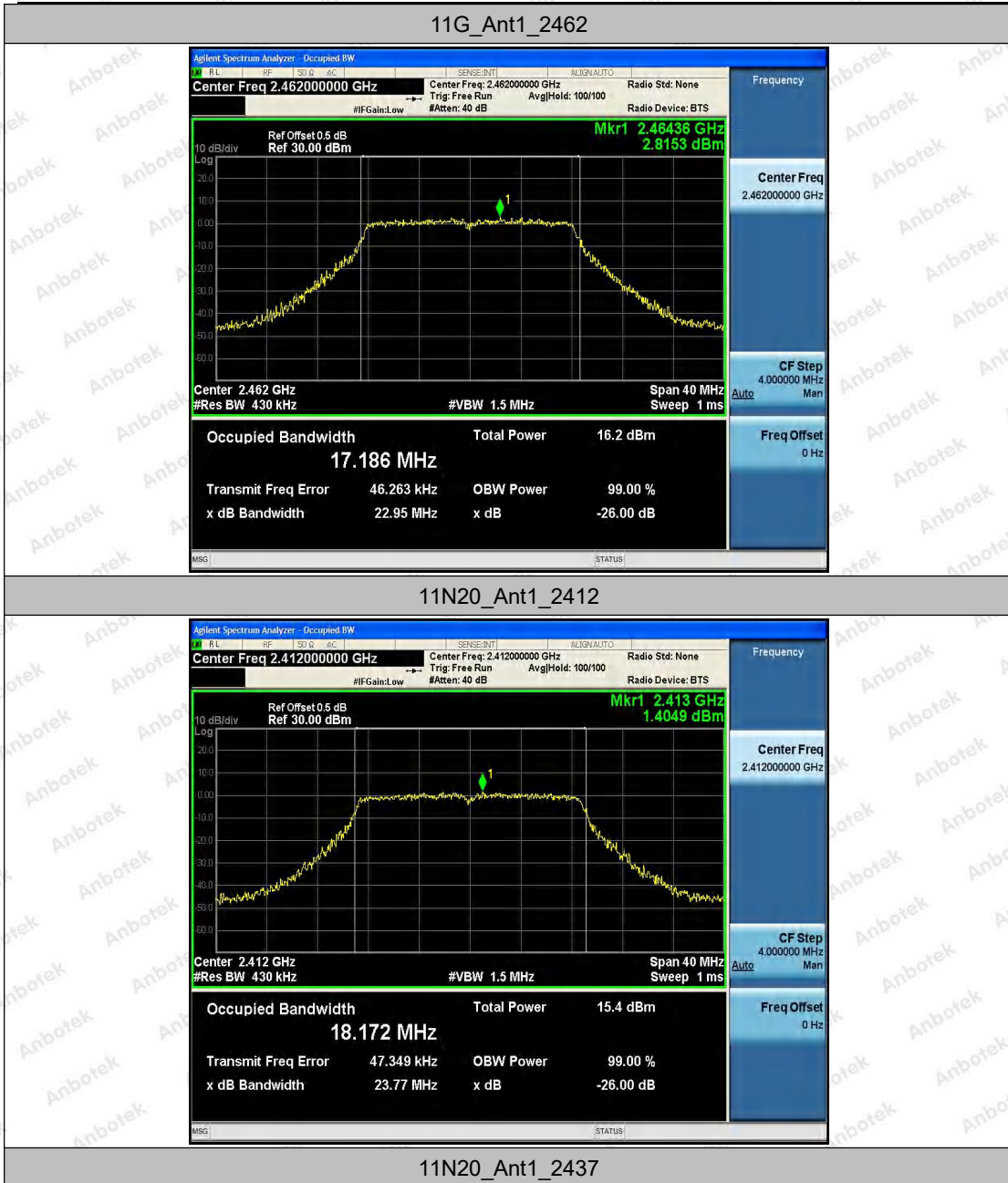
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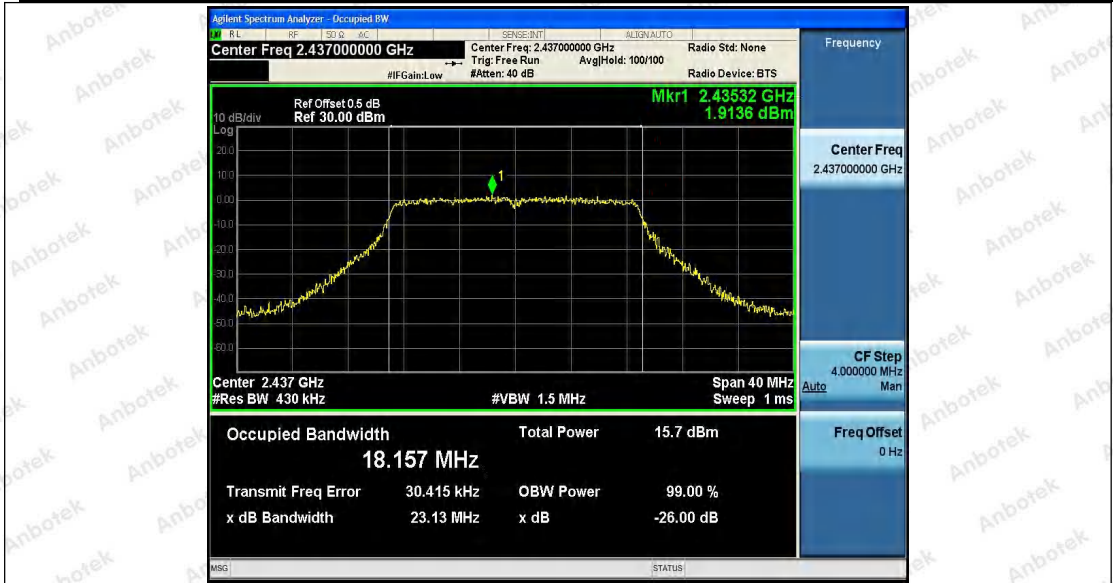
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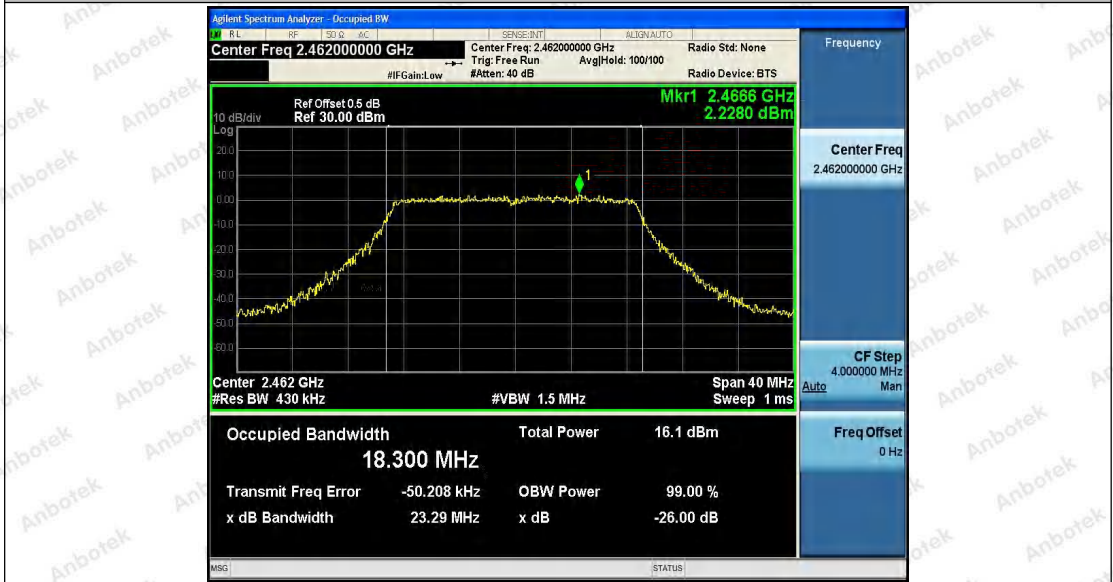
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.38	≤30	PASS
		2437	16.76	≤30	PASS
		2462	17.05	≤30	PASS
11G	Ant1	2412	16.57	≤30	PASS
		2437	16.87	≤30	PASS
		2462	17.16	≤30	PASS
11N20	Ant1	2412	16.48	≤30	PASS
		2437	16.95	≤30	PASS
		2462	17.24	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.36	≤8	PASS
		2437	-6.37	≤8	PASS
		2462	-8.55	≤8	PASS
11G	Ant1	2412	-15.95	≤8	PASS
		2437	-14.91	≤8	PASS
		2462	-15.46	≤8	PASS
11N20	Ant1	2412	-16.14	≤8	PASS
		2437	-14.32	≤8	PASS
		2462	-14.27	≤8	PASS

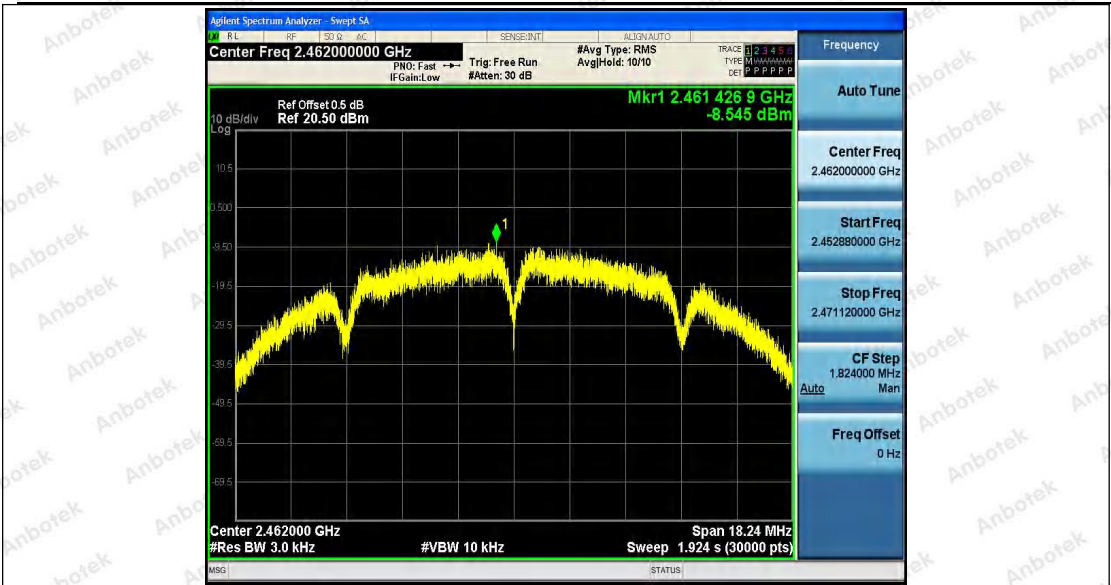
Test Graphs



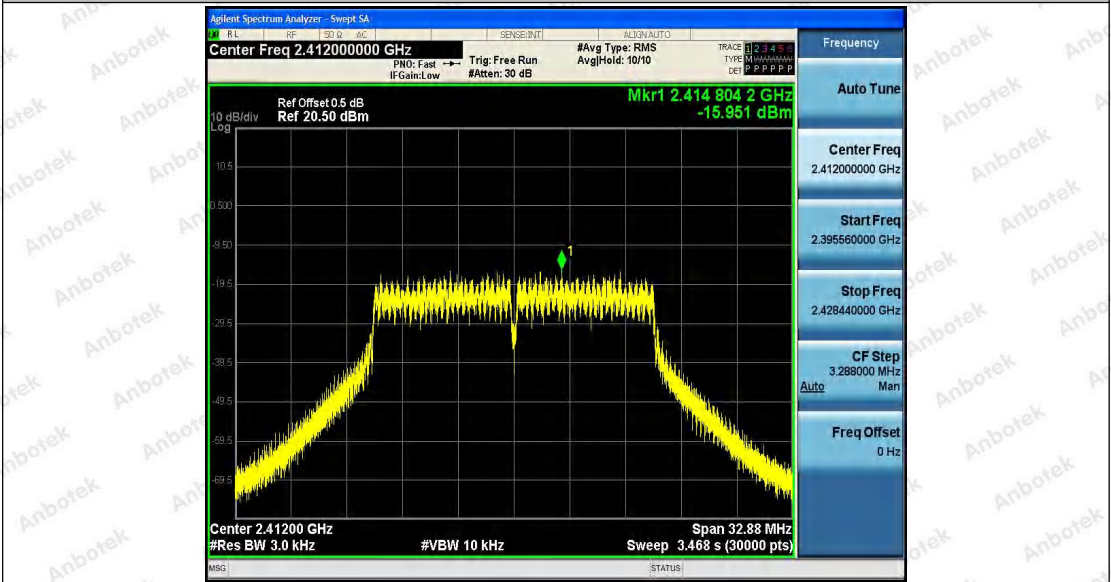
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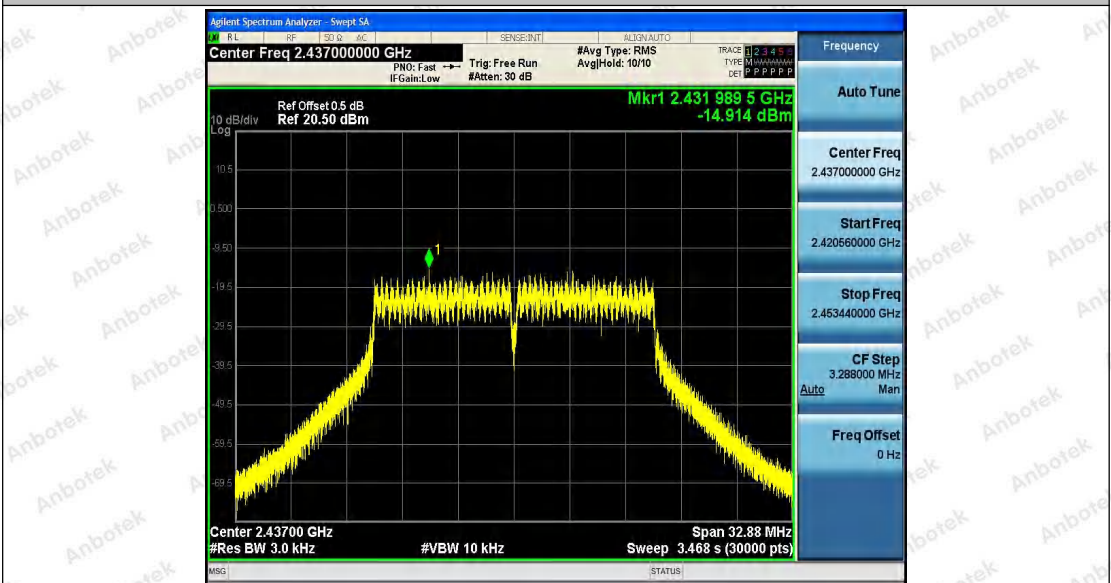
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11G_Ant1_2412



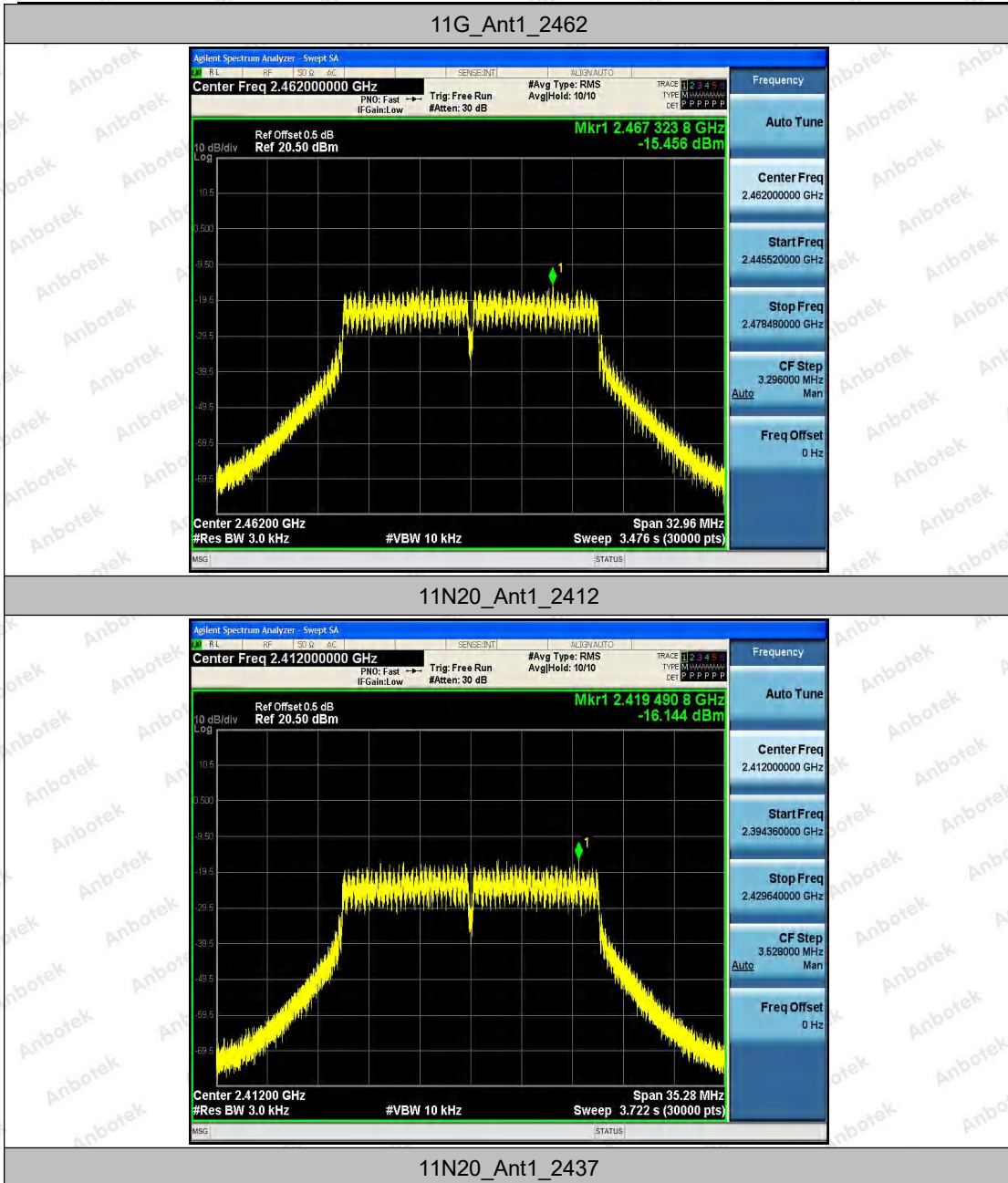
11G_Ant1_2437



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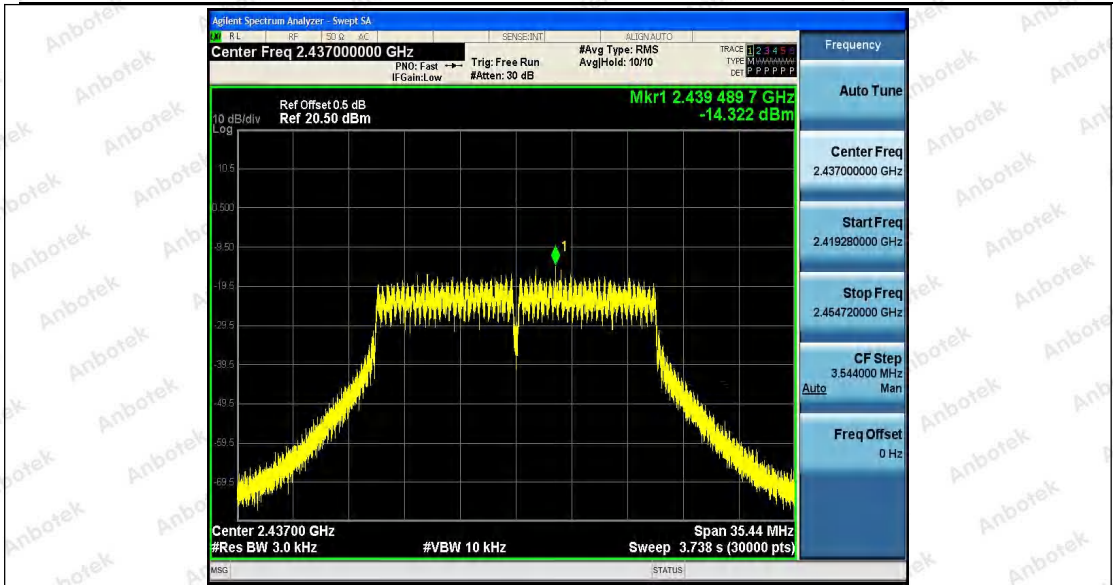
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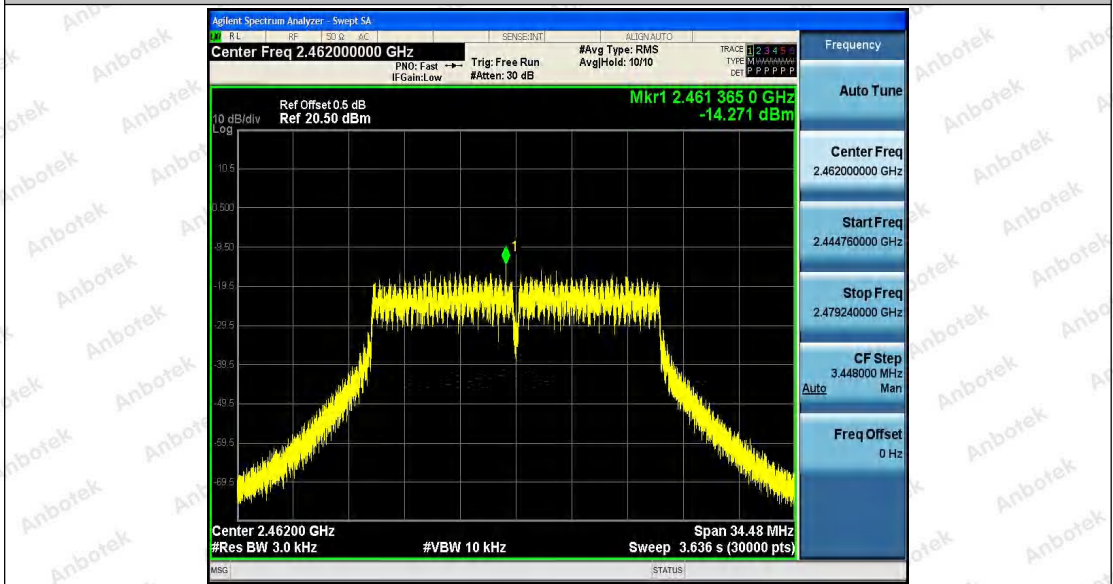
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11N20_Ant1_2462



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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	3.98	-44.96	≤-16.02	PASS
		High	2462	5.55	-44.05	≤-14.45	PASS
11G	Ant1	Low	2412	-2.03	-37.34	≤-22.03	PASS
		High	2462	-1.33	-54.68	≤-21.33	PASS
11N20	Ant1	Low	2412	-2.29	-37.18	≤-22.29	PASS
		High	2462	-1.61	-55.05	≤-21.61	PASS

Test Graphs



11G_Ant1_Low_2412

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11G_Ant1_High_2462



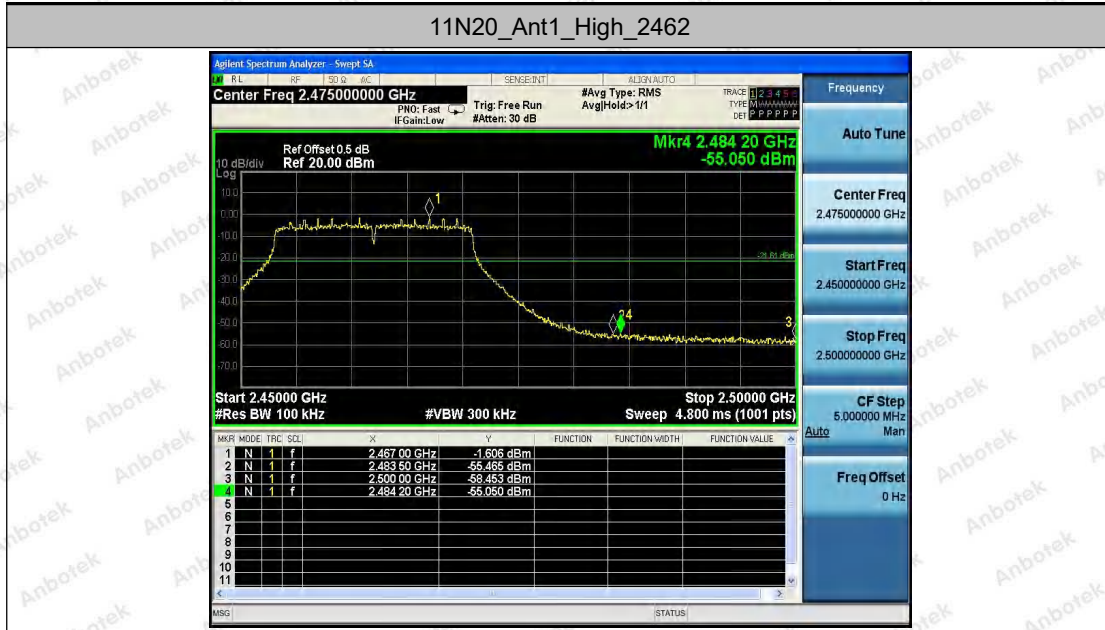
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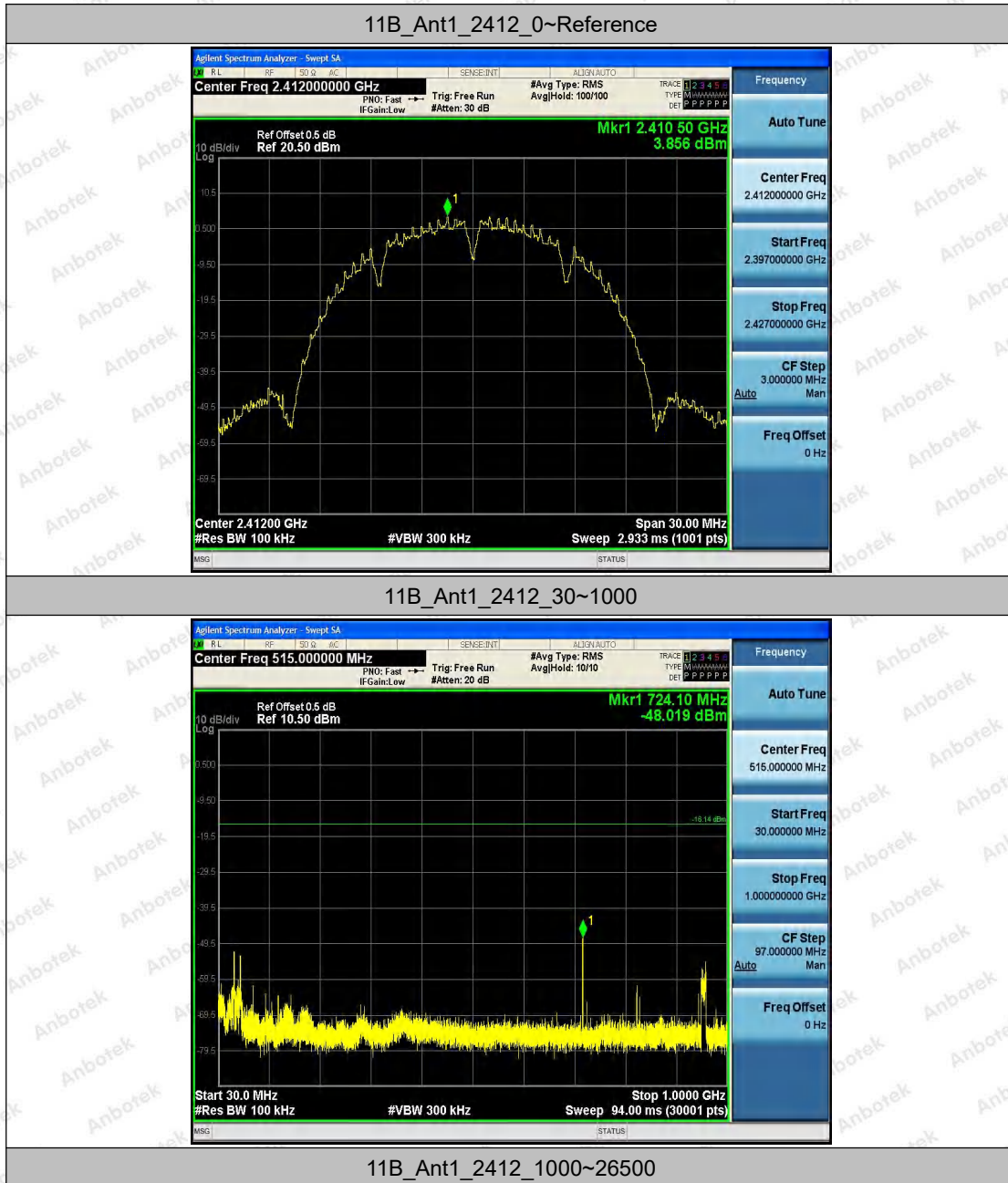
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.86	3.86	---	PASS
			30~1000	3.86	-48.02	≤-16.14	PASS
			1000~26500	3.86	-47.99	≤-16.14	PASS
		2437	Reference	5.44	5.44	---	PASS
			30~1000	5.44	-50.08	≤-14.56	PASS
			1000~26500	5.44	-47.97	≤-14.56	PASS
		2462	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-51.15	≤-14.69	PASS
			1000~26500	5.31	-49.05	≤-14.69	PASS
11G	Ant1	2412	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-47.55	≤-22.35	PASS
			1000~26500	-2.35	-54.98	≤-22.35	PASS
		2437	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-49.61	≤-21.88	PASS
			1000~26500	-1.88	-54.09	≤-21.88	PASS
		2462	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-52.03	≤-21.44	PASS
			1000~26500	-1.44	-55.1	≤-21.44	PASS
11N20	Ant1	2412	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-48.72	≤-22.49	PASS
			1000~26500	-2.49	-54.69	≤-22.49	PASS
		2437	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-52.09	≤-21.74	PASS
			1000~26500	-1.74	-54.95	≤-21.74	PASS
		2462	Reference	-1.62	-1.62	---	PASS
			30~1000	-1.62	-51.01	≤-21.62	PASS
			1000~26500	-1.62	-54.99	≤-21.62	PASS

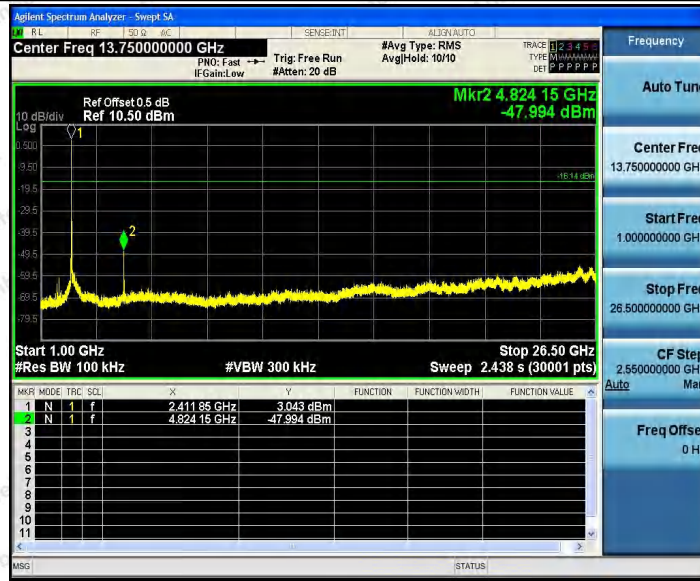
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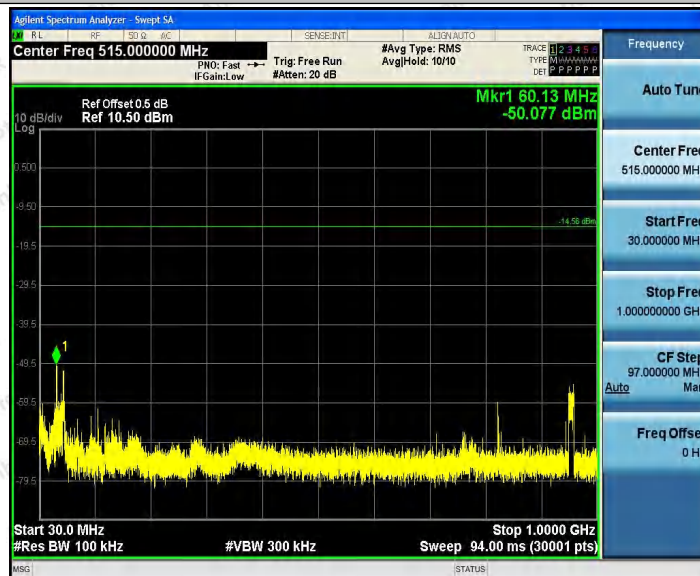
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11B_Ant1_2437_0~Reference



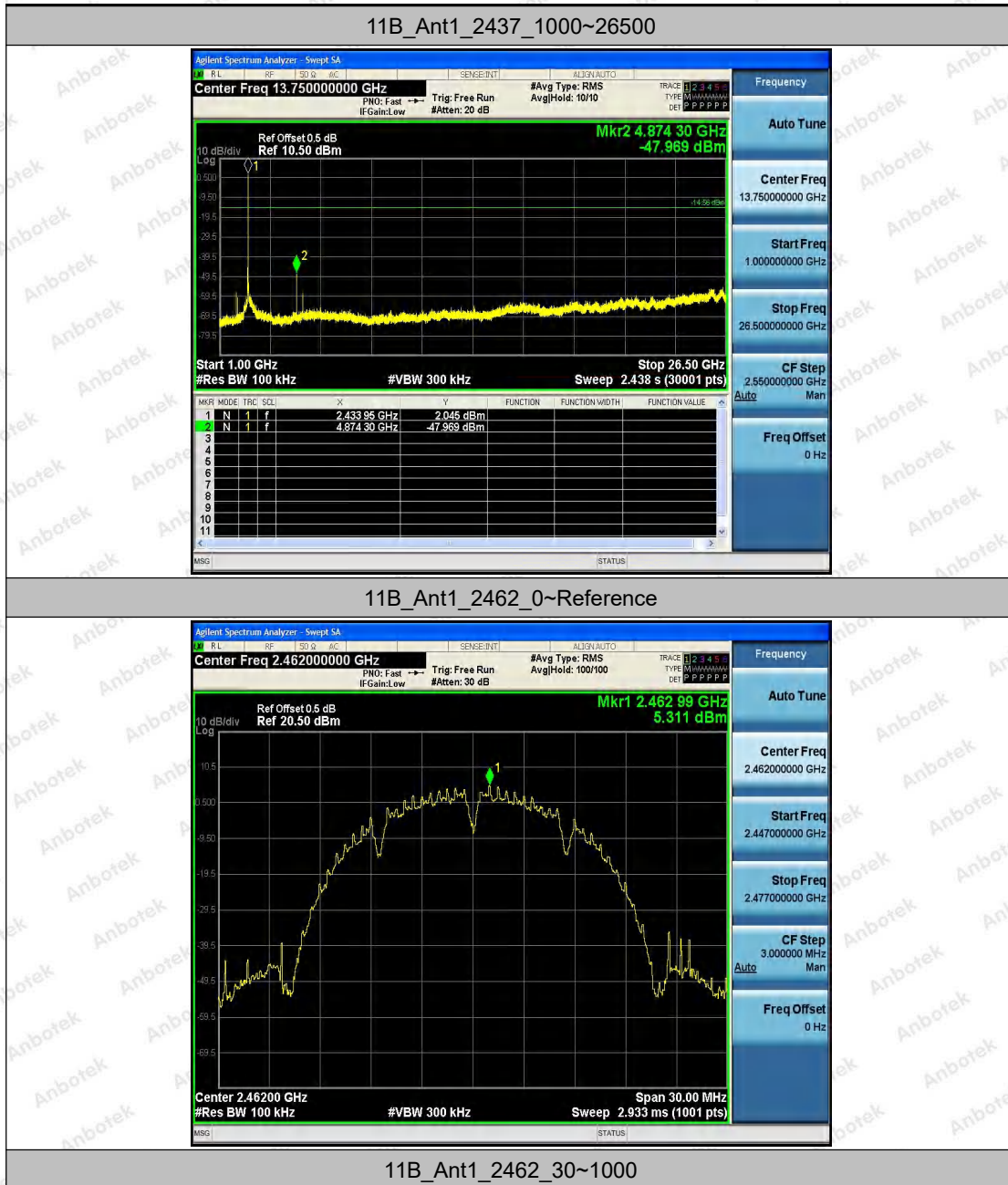
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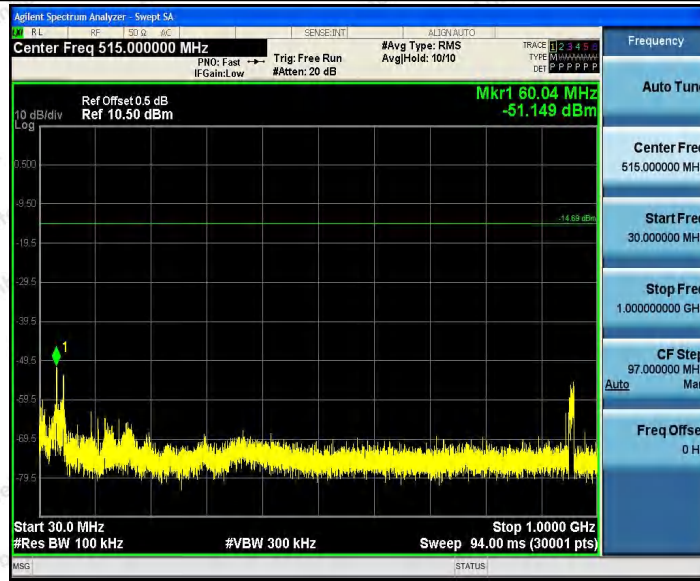
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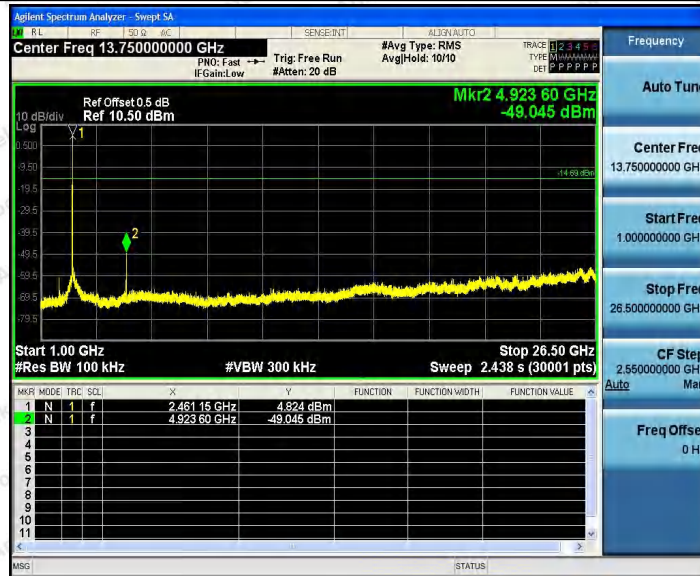
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11B_Ant1_2462_1000~26500



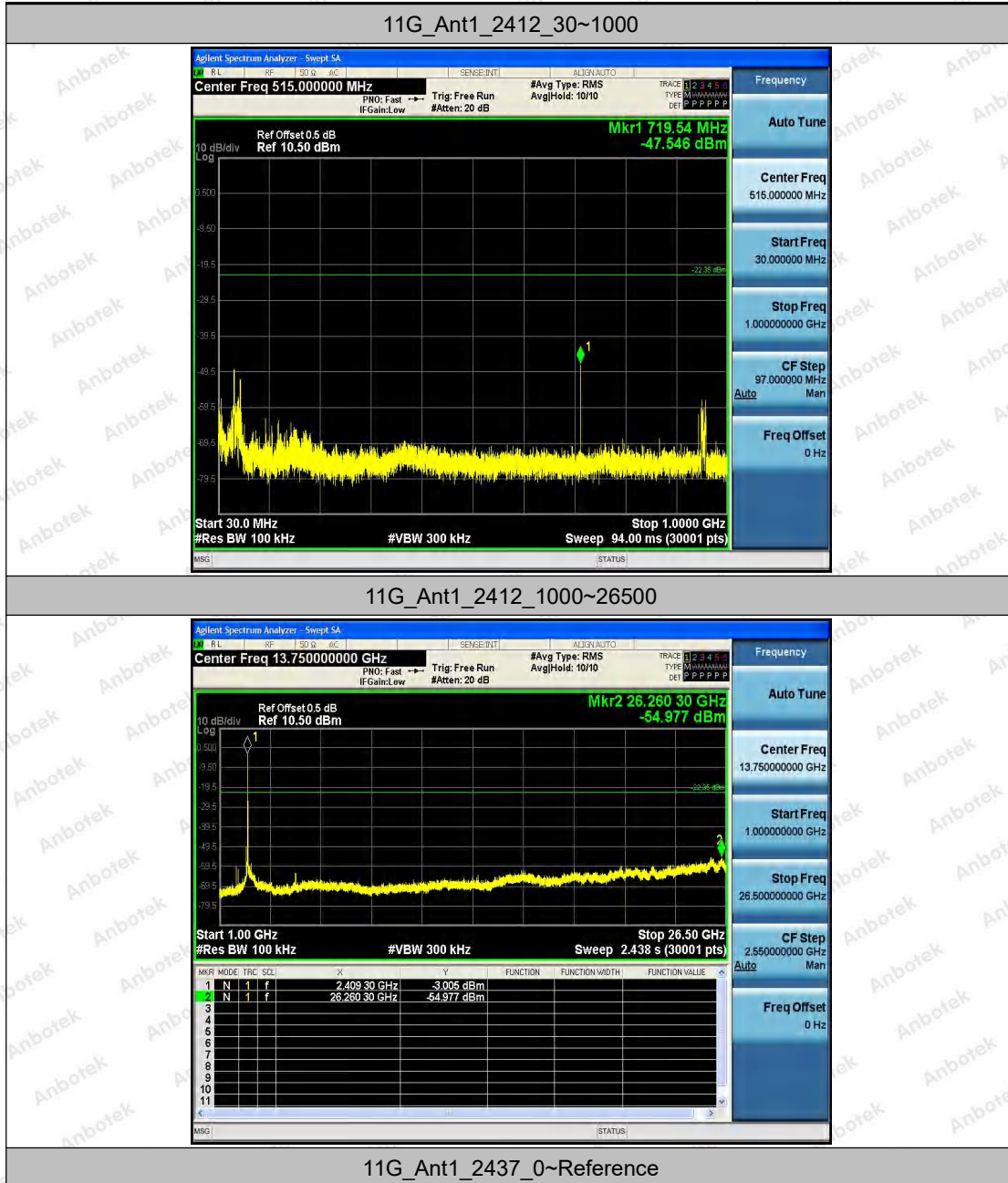
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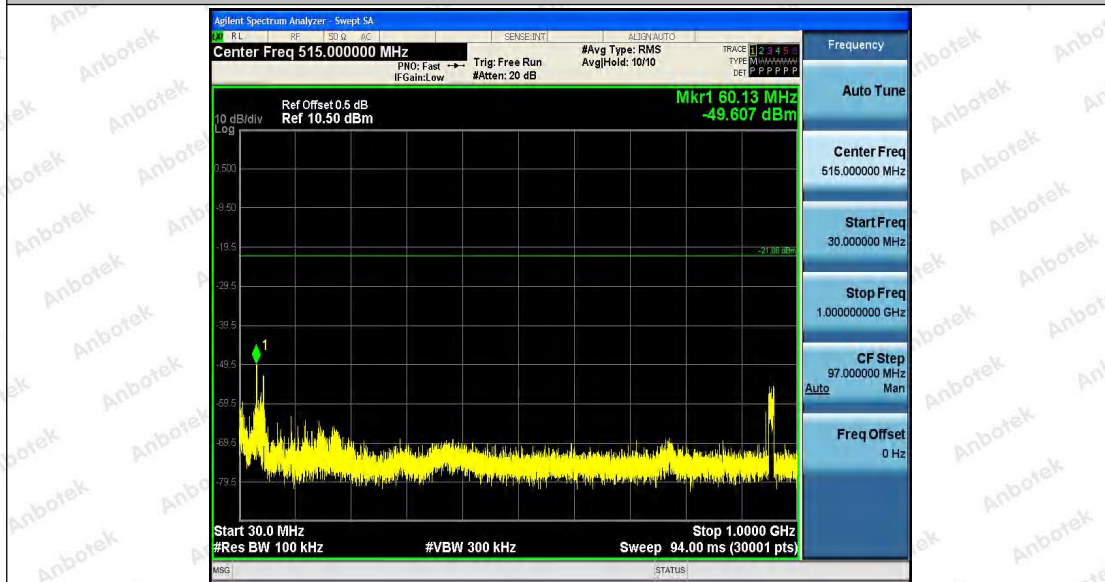
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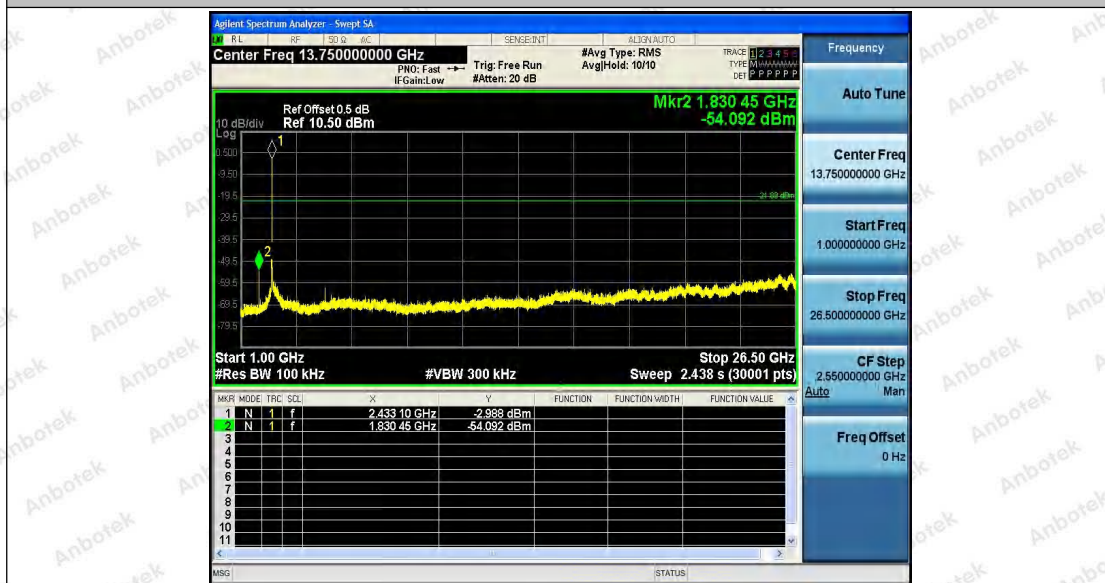
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

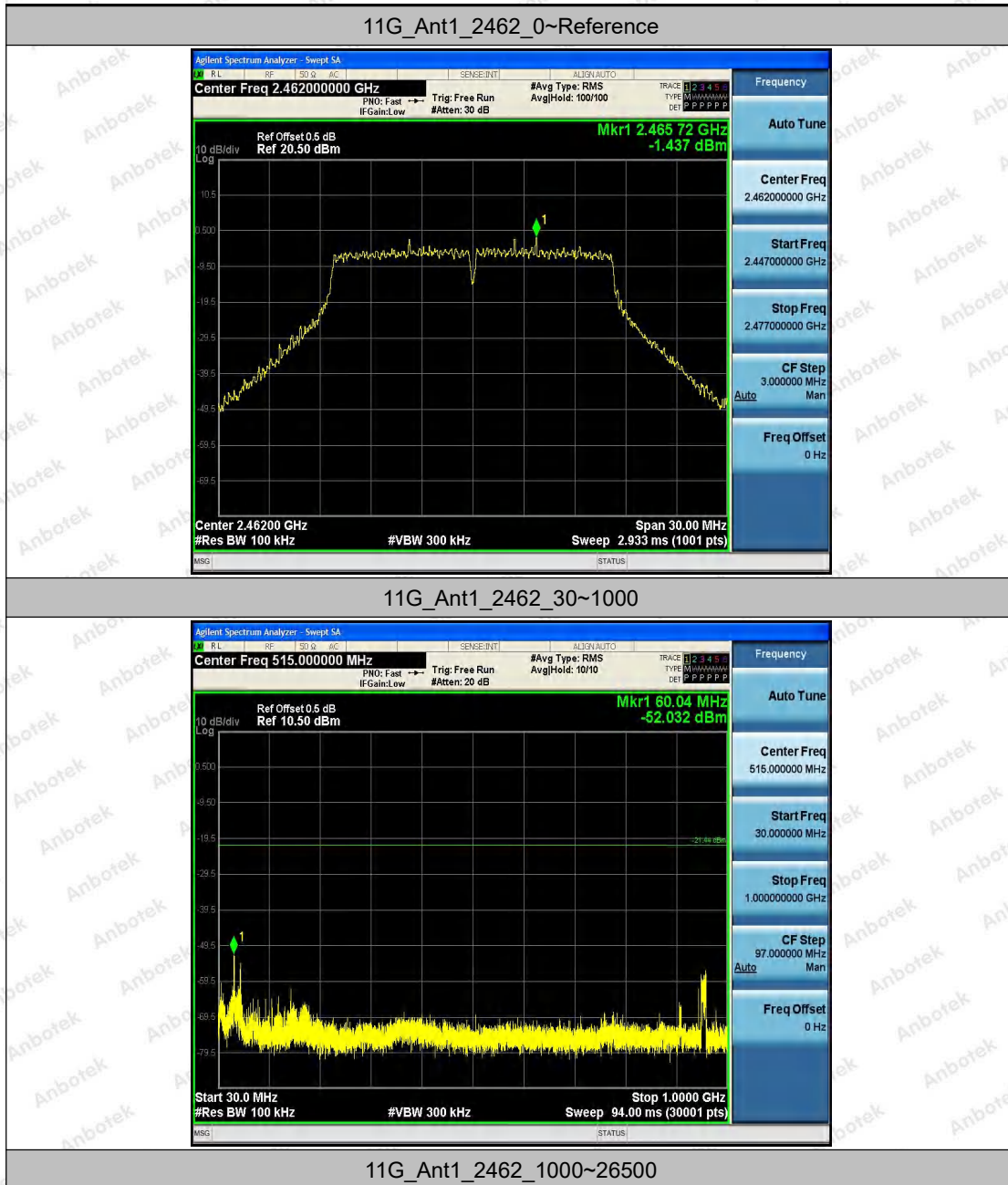


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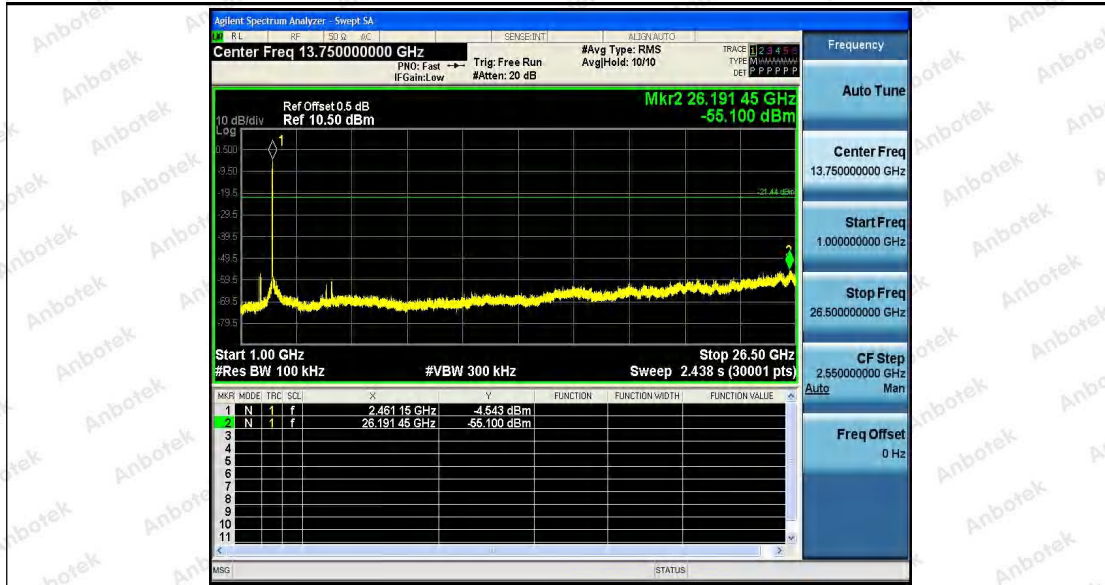
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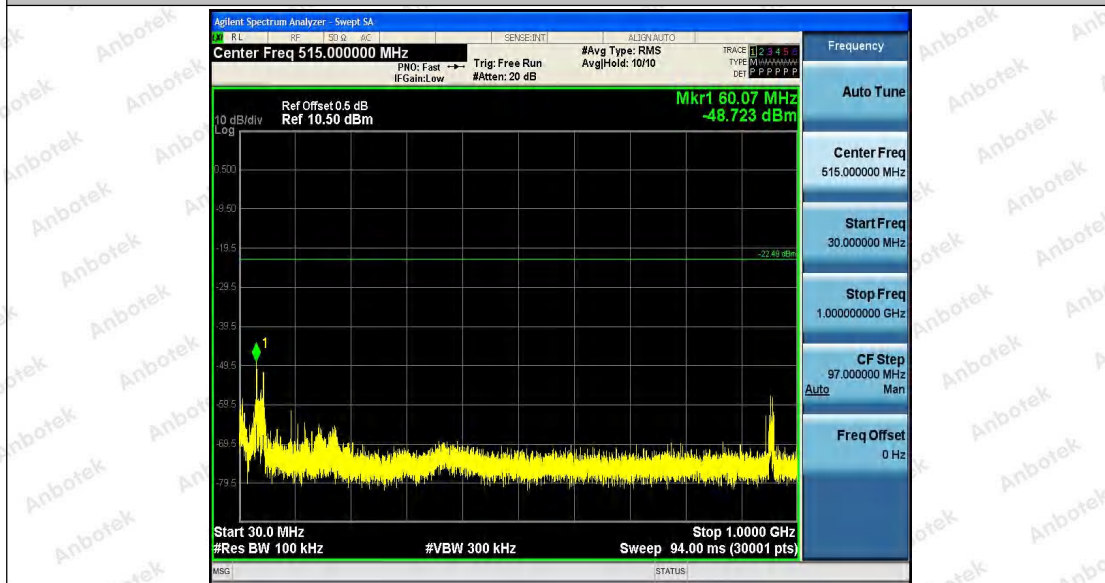
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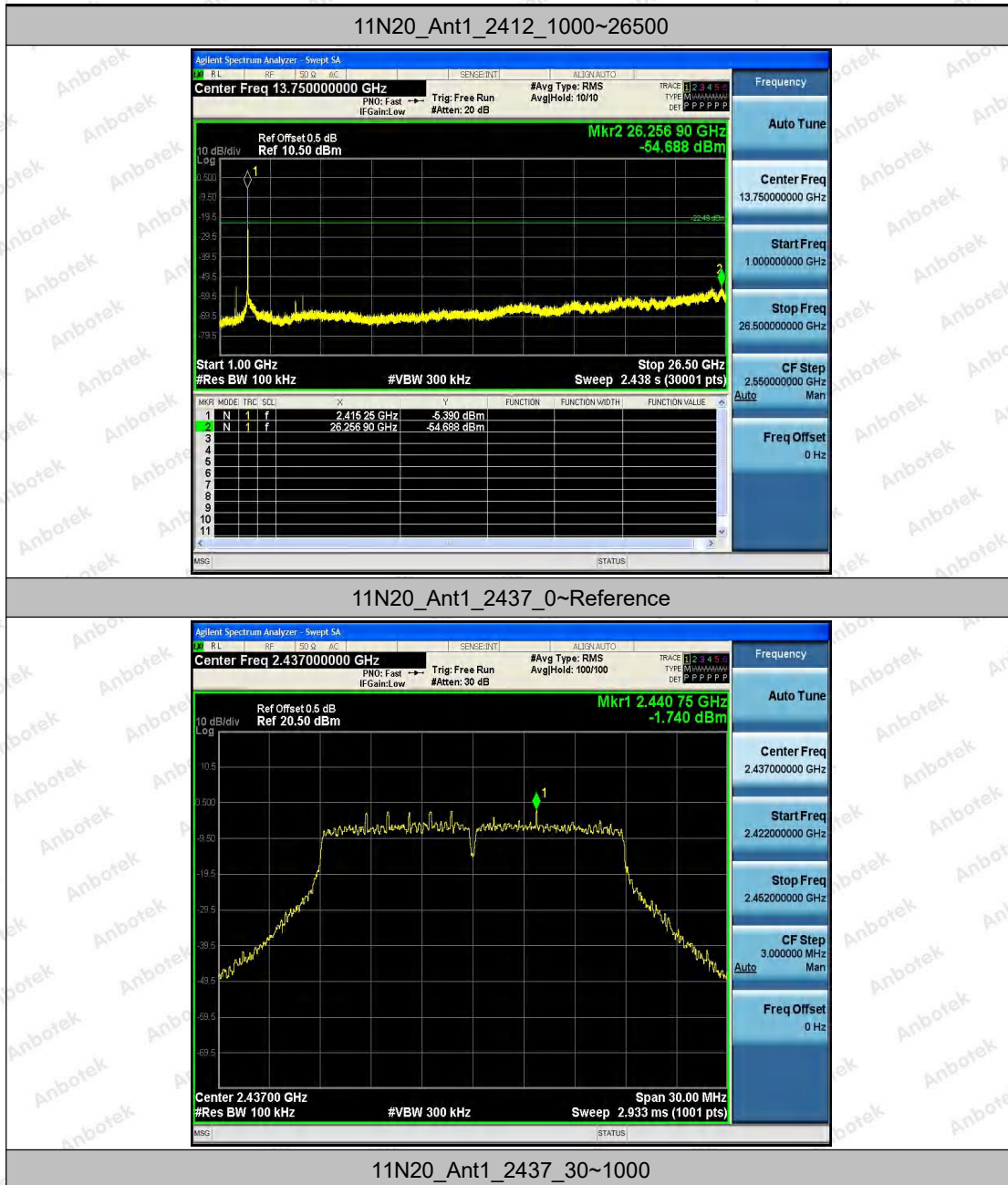
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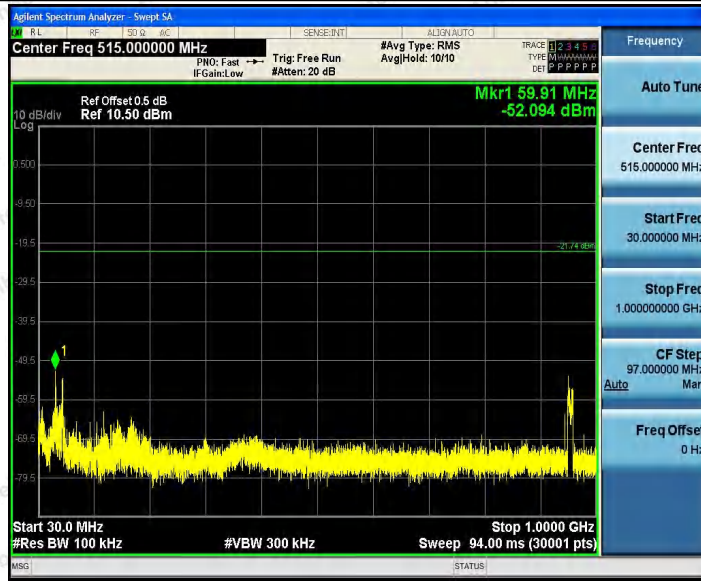
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11N20_Ant1_2437_1000~26500



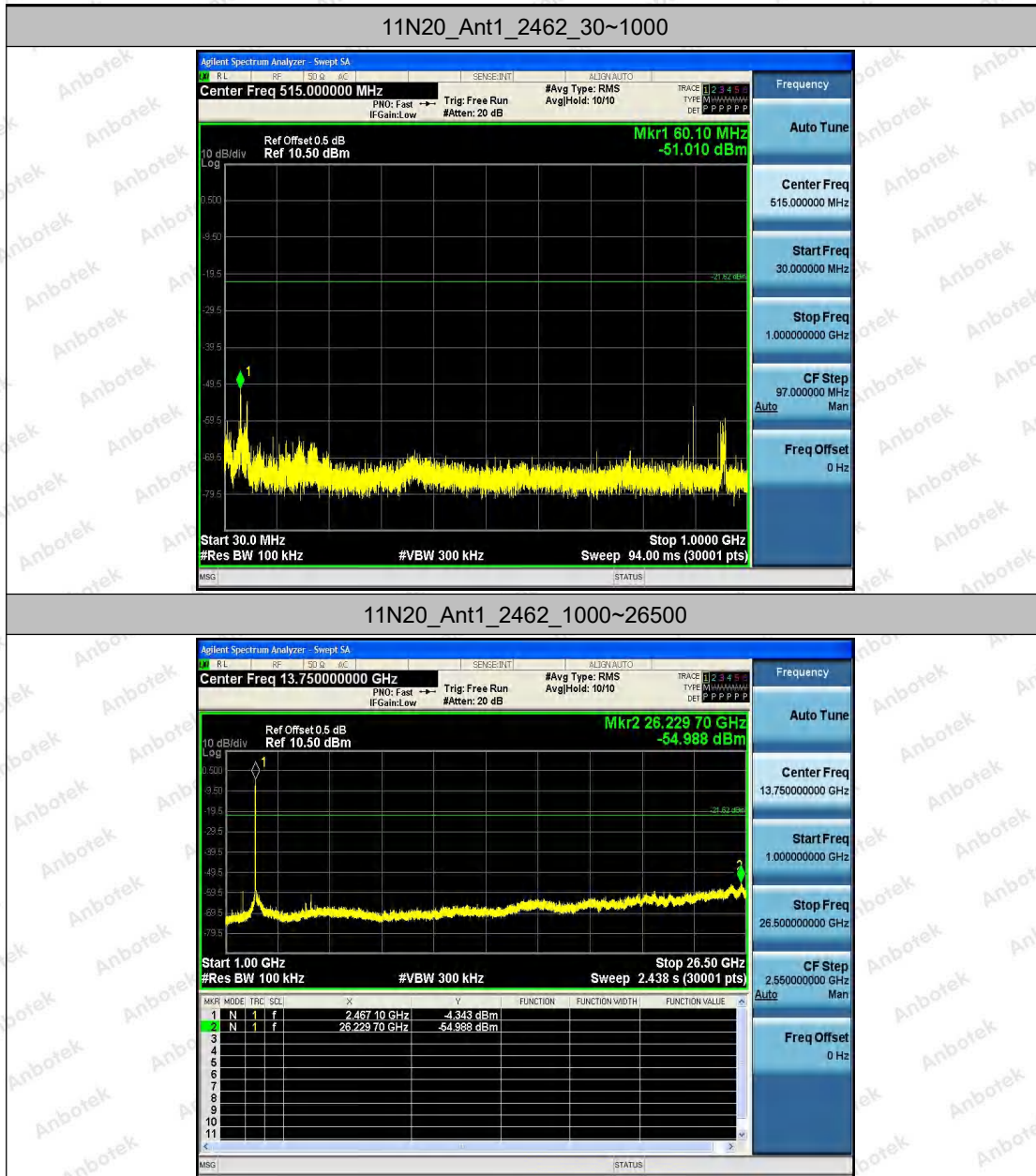
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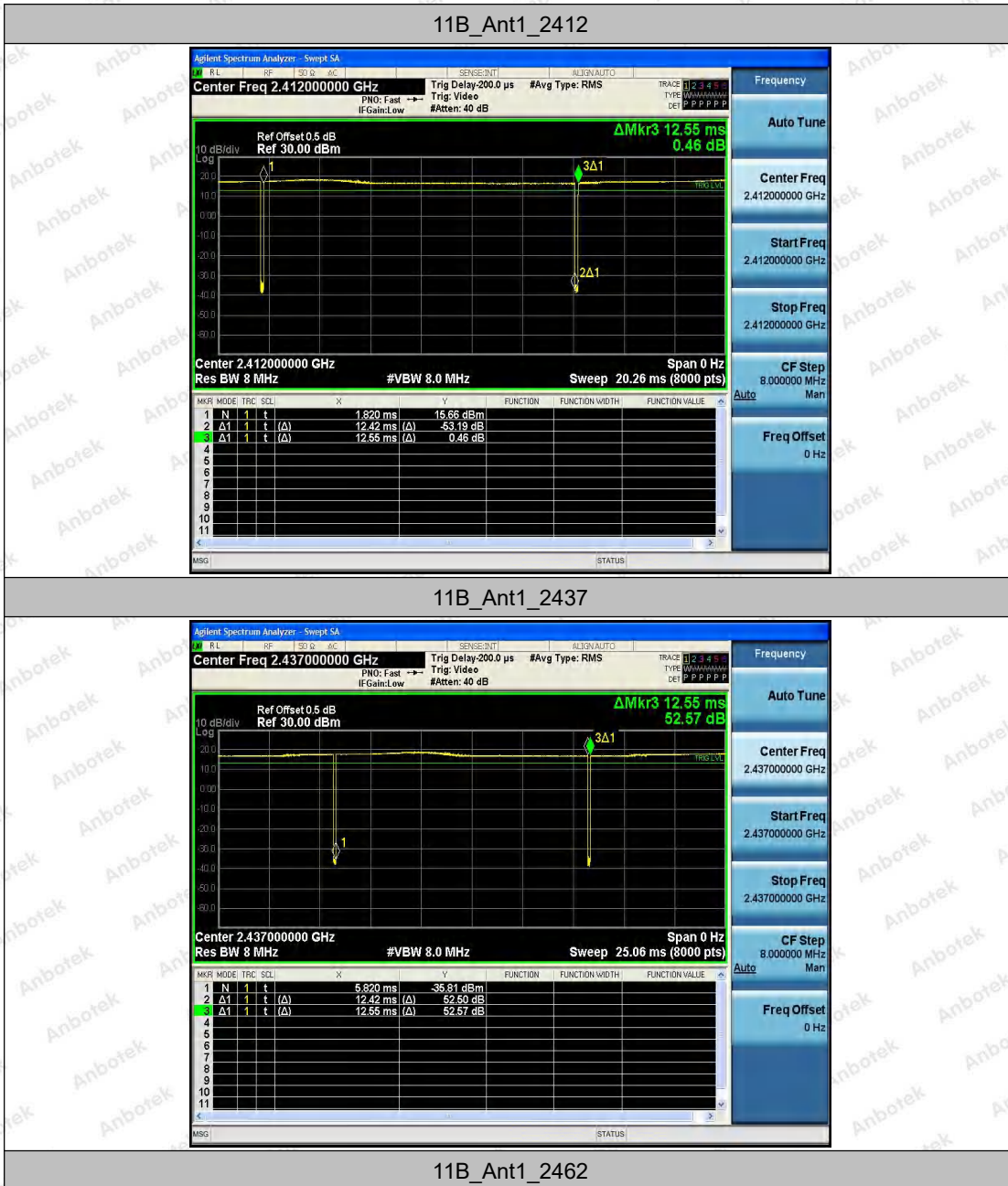
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.42	12.55	98.96	---	PASS
		2437	12.42	12.55	98.96	---	PASS
		2462	12.41	12.54	98.96	---	PASS
11G	Ant1	2412	2.06	2.19	94.06	---	PASS
		2437	2.06	2.19	94.06	---	PASS
		2462	2.07	2.20	94.09	---	PASS
11N20	Ant1	2412	1.92	2.05	93.66	---	PASS
		2437	1.92	2.05	93.66	---	PASS
		2462	1.92	2.05	93.66	---	PASS

Test Graphs



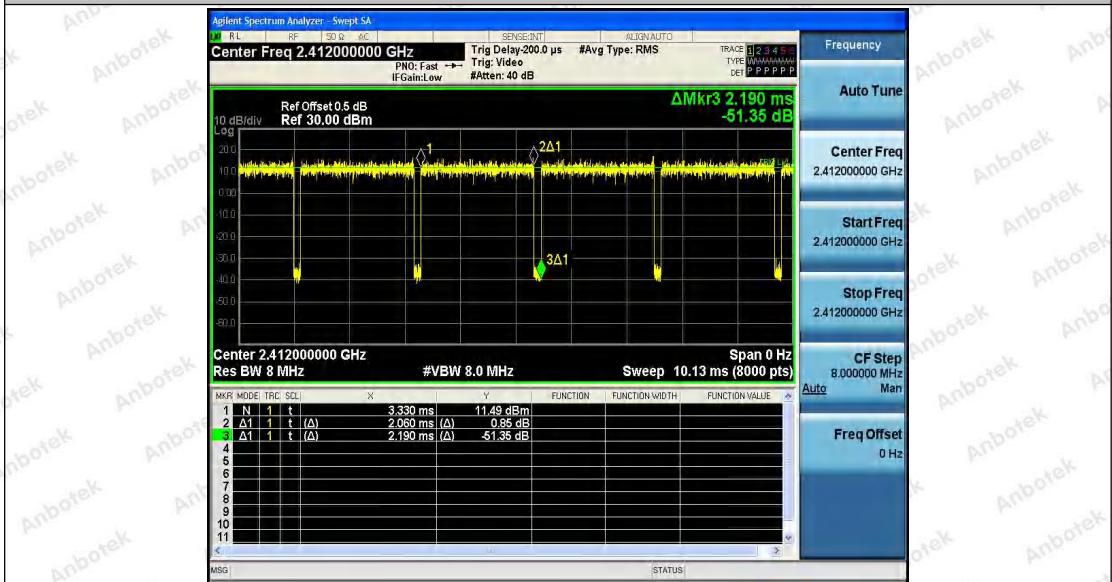
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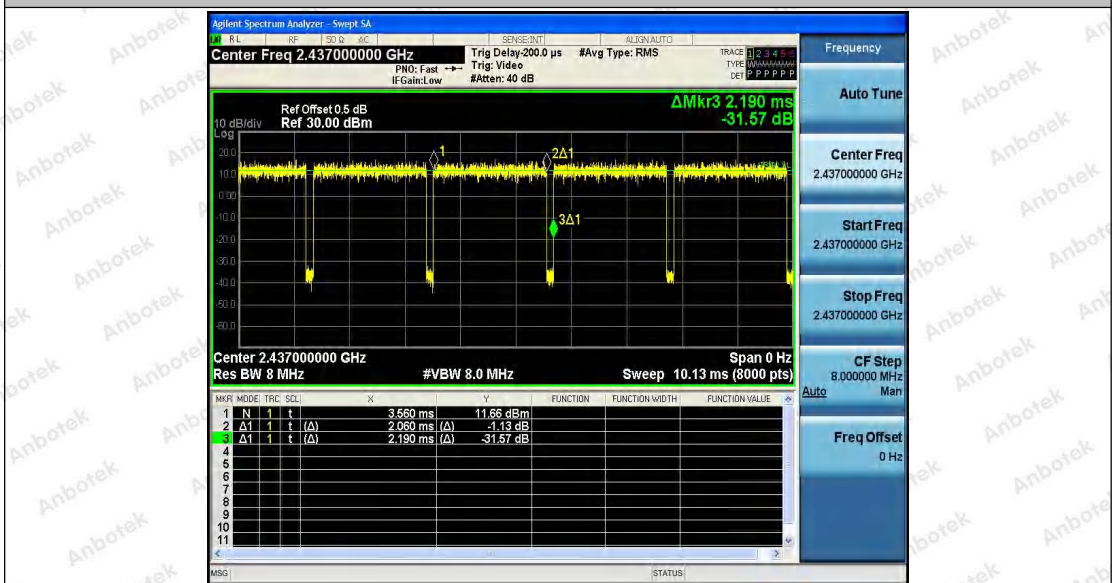
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11G_Ant1_2412



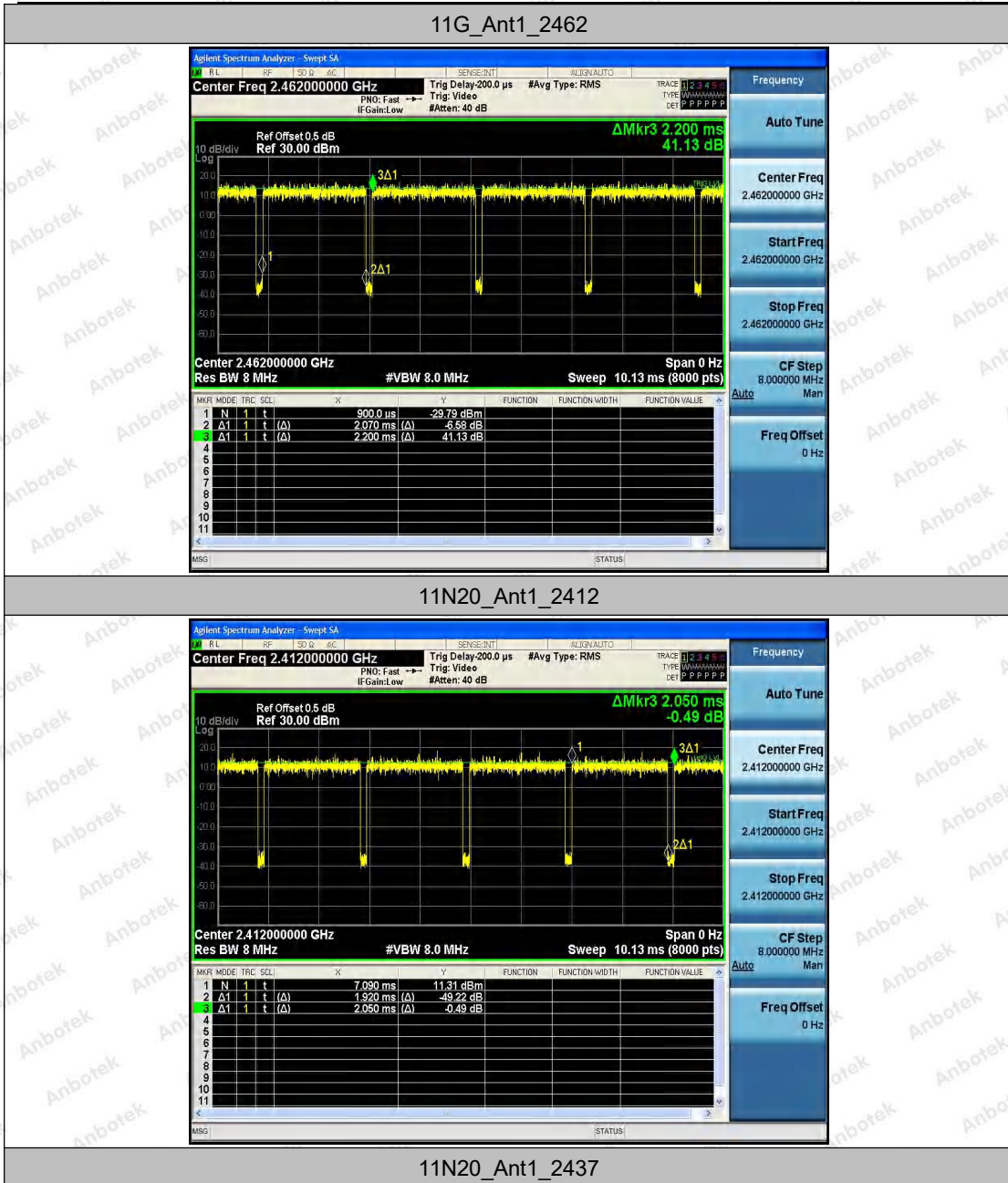
11G_Ant1_2437



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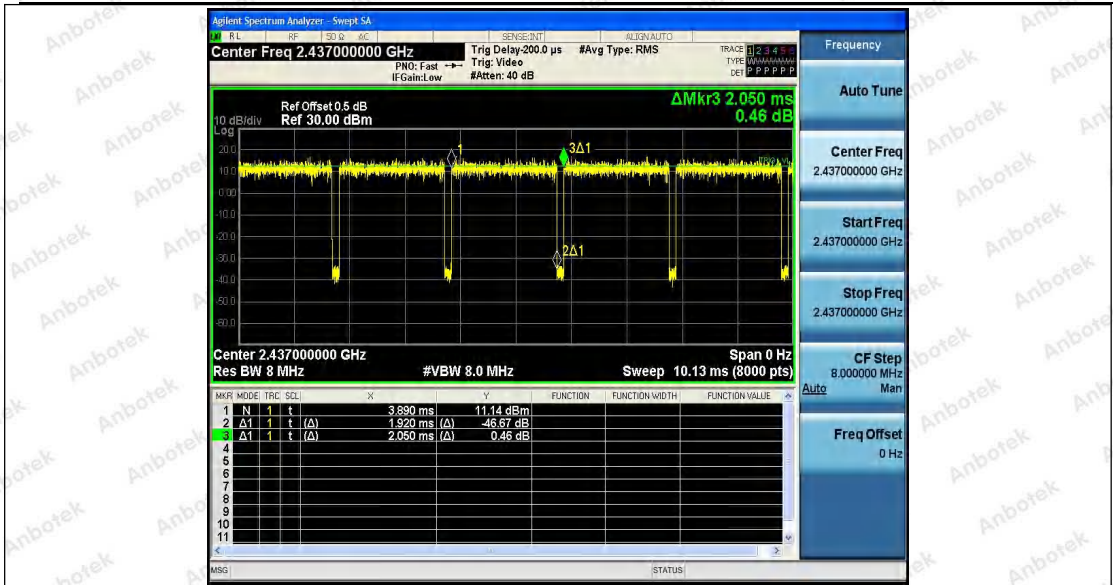


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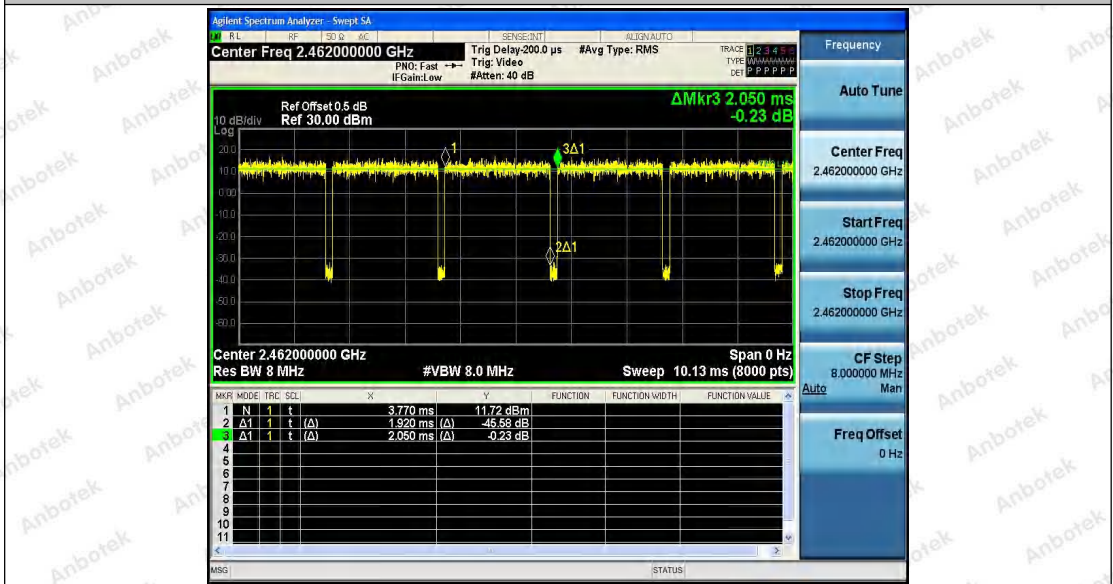
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