

Appendix Test Data

Report No.:	18220WC10161801	Test Date:	2021.8.27
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	9.680	2432.400	2442.080	≥0.5	PASS
		2462	10.120	2456.960	2467.080	≥0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.160	2420.800	≥0.5	PASS
		2437	17.680	2428.160	2445.840	≥0.5	PASS
		2462	17.400	2453.440	2470.840	≥0.5	PASS

Test Graphs

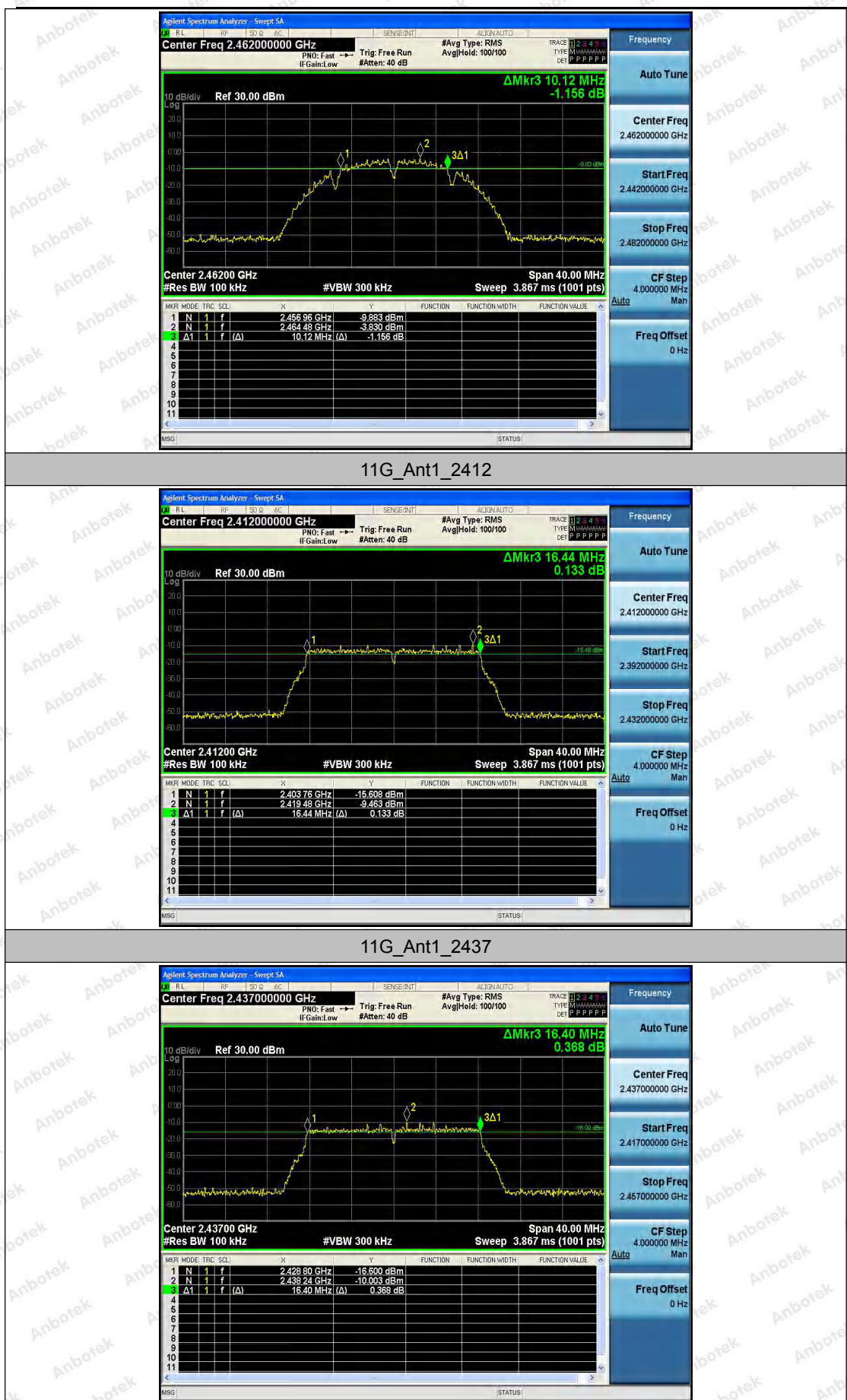


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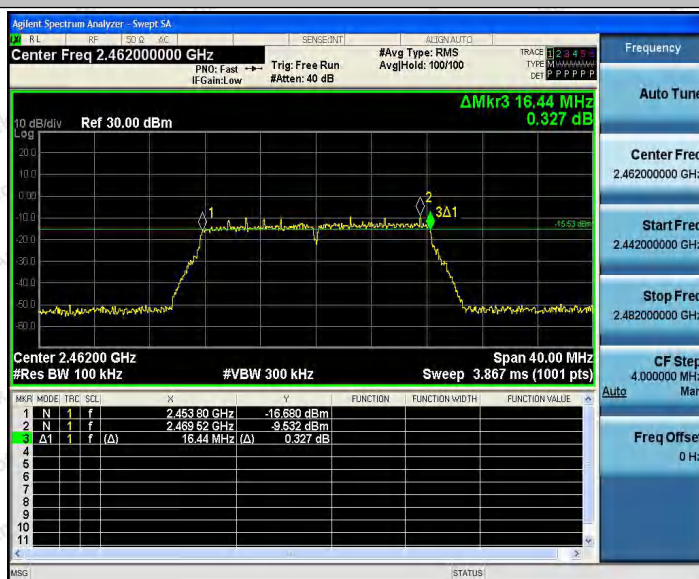


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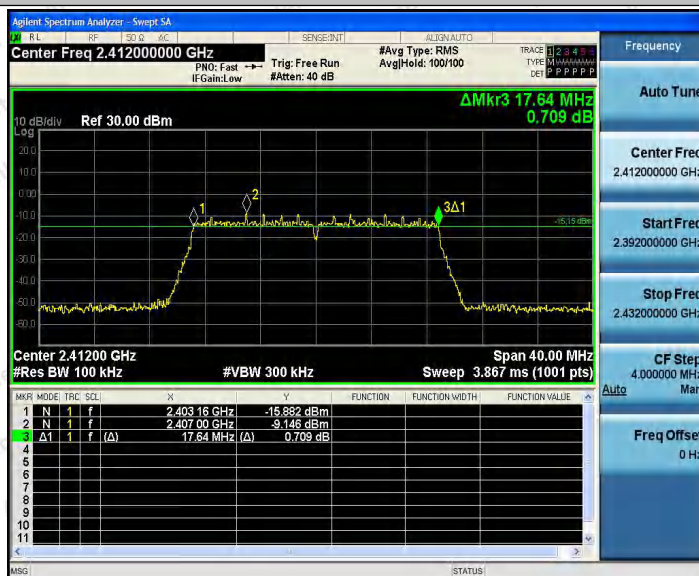
400-003-0500

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11G_Ant1_2462



11N20_Ant1_2412



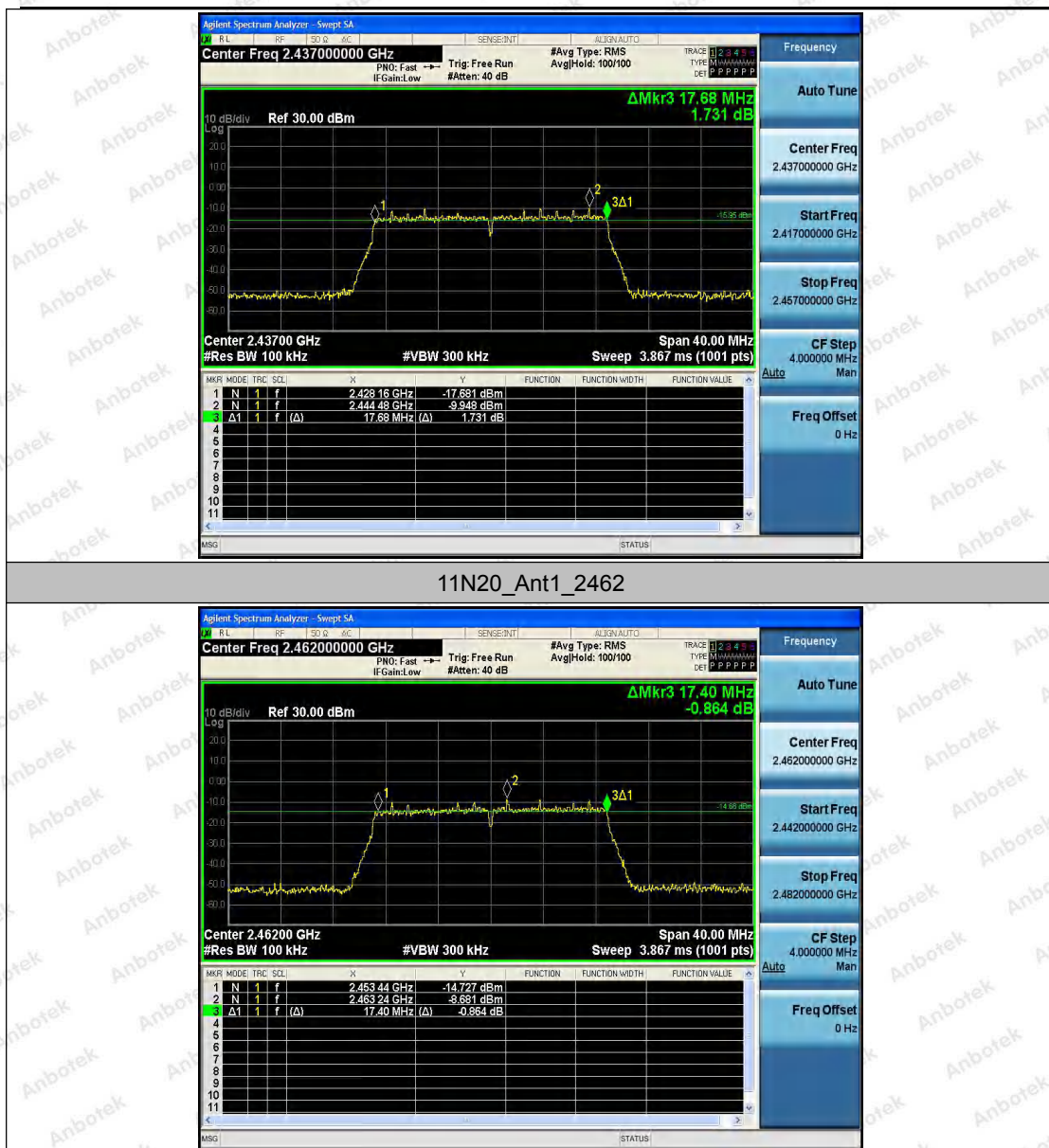
11N20_Ant1_2437

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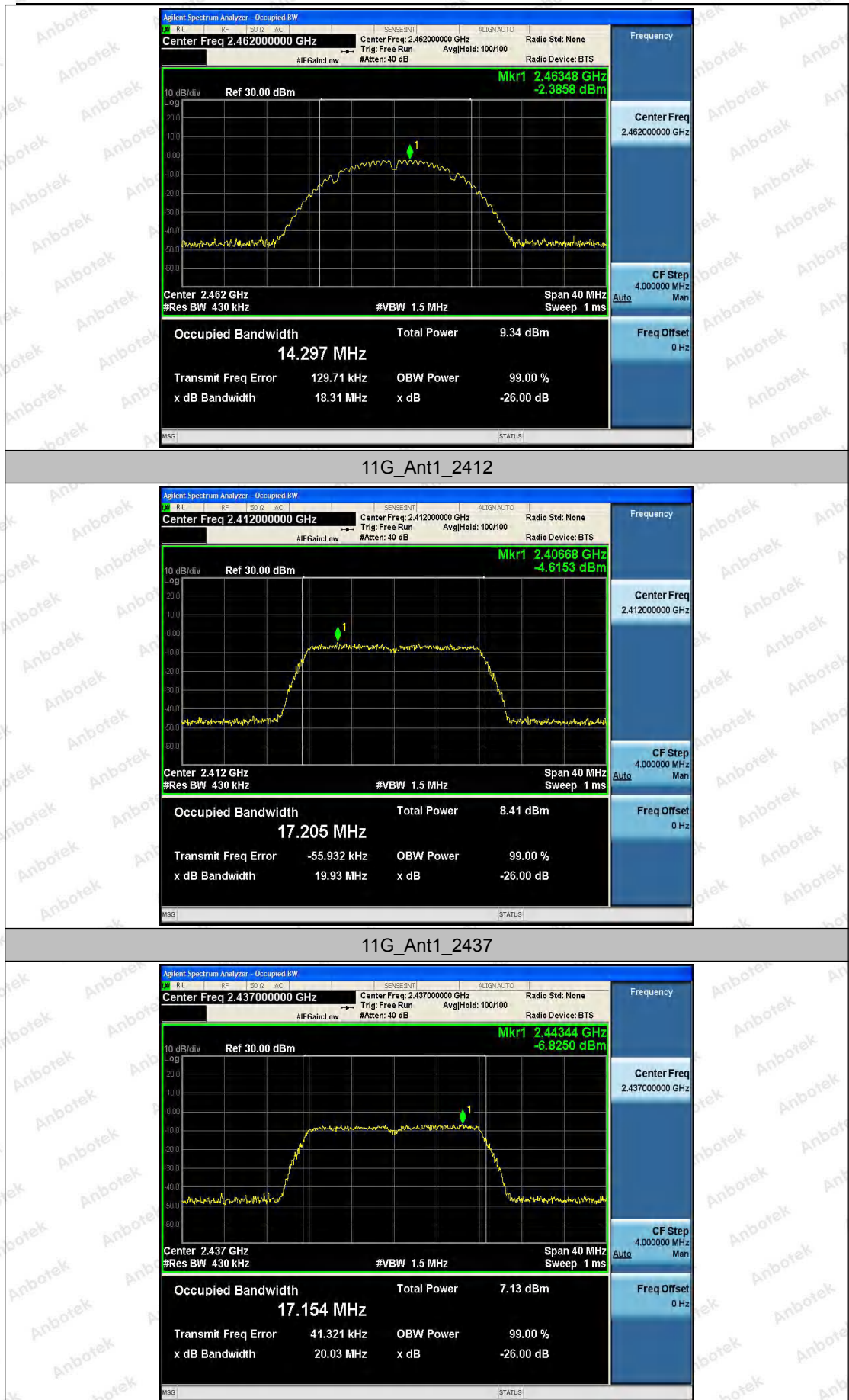
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.343	2404.780	2419.123	---	PASS
		2437	14.366	2429.889	2444.255	---	PASS
		2462	14.297	2454.981	2469.278	---	PASS
11G	Ant1	2412	17.205	2403.342	2420.547	---	PASS
		2437	17.154	2428.464	2445.618	---	PASS
		2462	17.043	2453.575	2470.618	---	PASS
11N20	Ant1	2412	17.957	2402.998	2420.955	---	PASS
		2437	17.953	2428.078	2446.031	---	PASS
		2462	17.924	2453.102	2471.026	---	PASS

Test Graphs





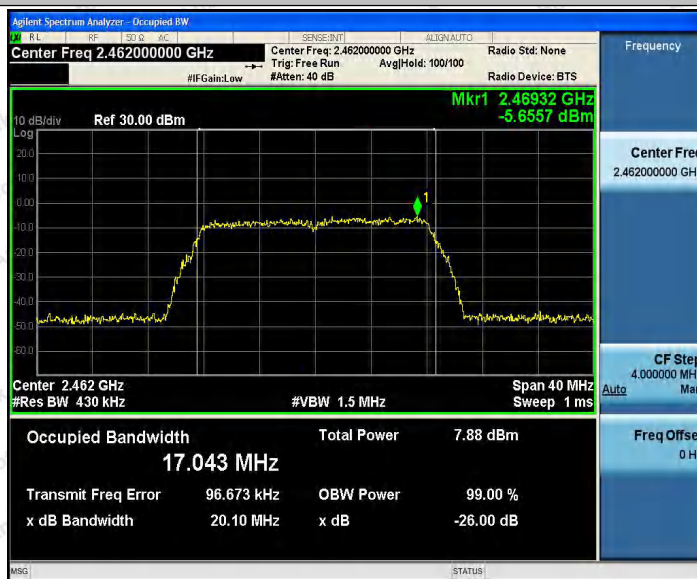
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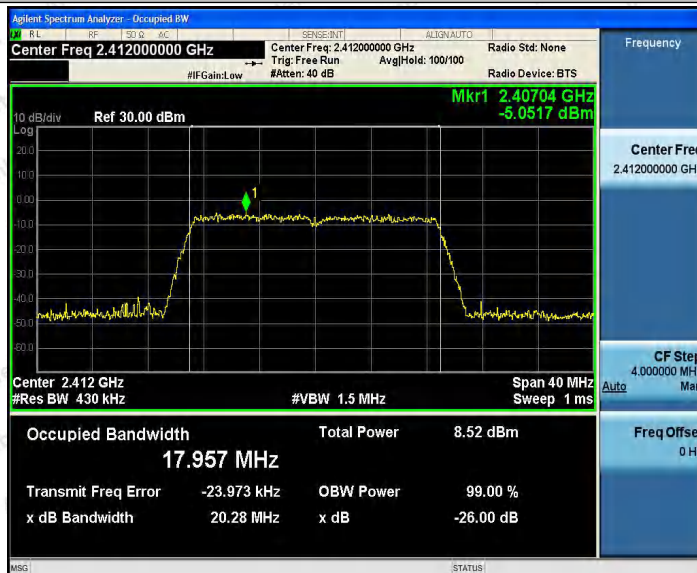
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11G_Ant1_2462



11N20_Ant1_2412



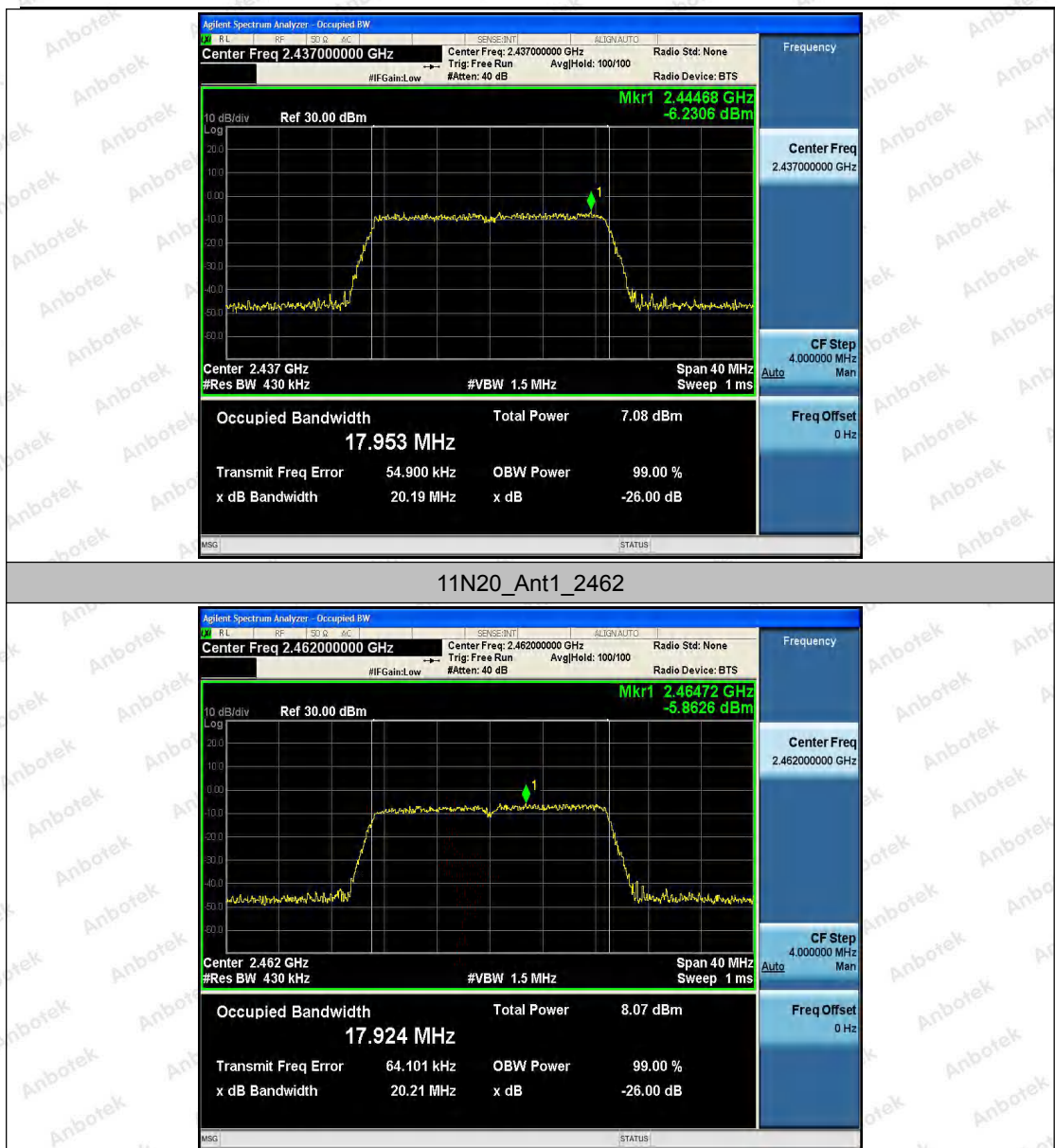
11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

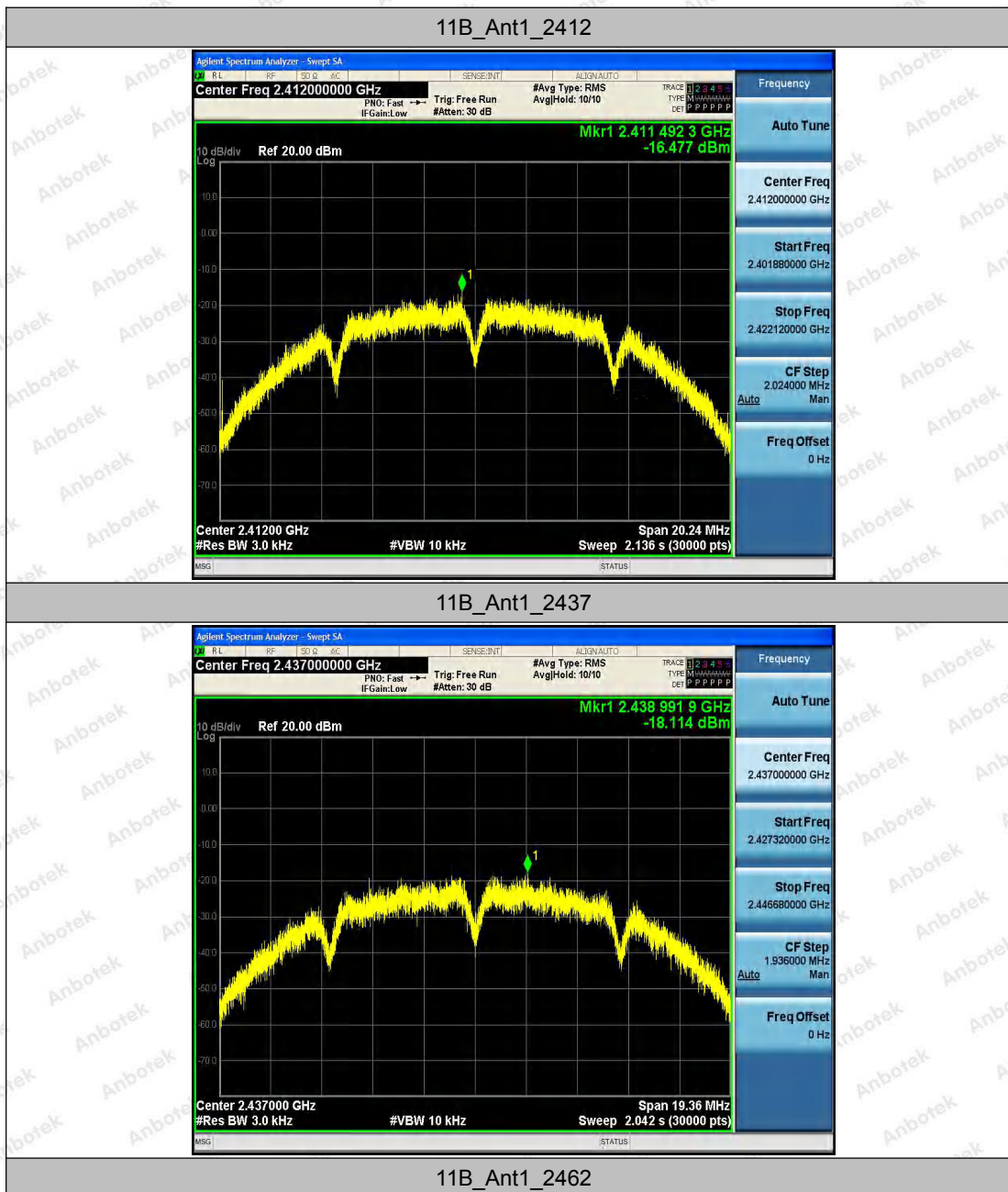
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	8.03	≤30	PASS
		2437	7.74	≤30	PASS
		2462	8.56	≤30	PASS
11G	Ant1	2412	8.33	≤30	PASS
		2437	8.29	≤30	PASS
		2462	7.96	≤30	PASS
11N20	Ant1	2412	8.37	≤30	PASS
		2437	8.27	≤30	PASS
		2462	8.28	≤30	PASS

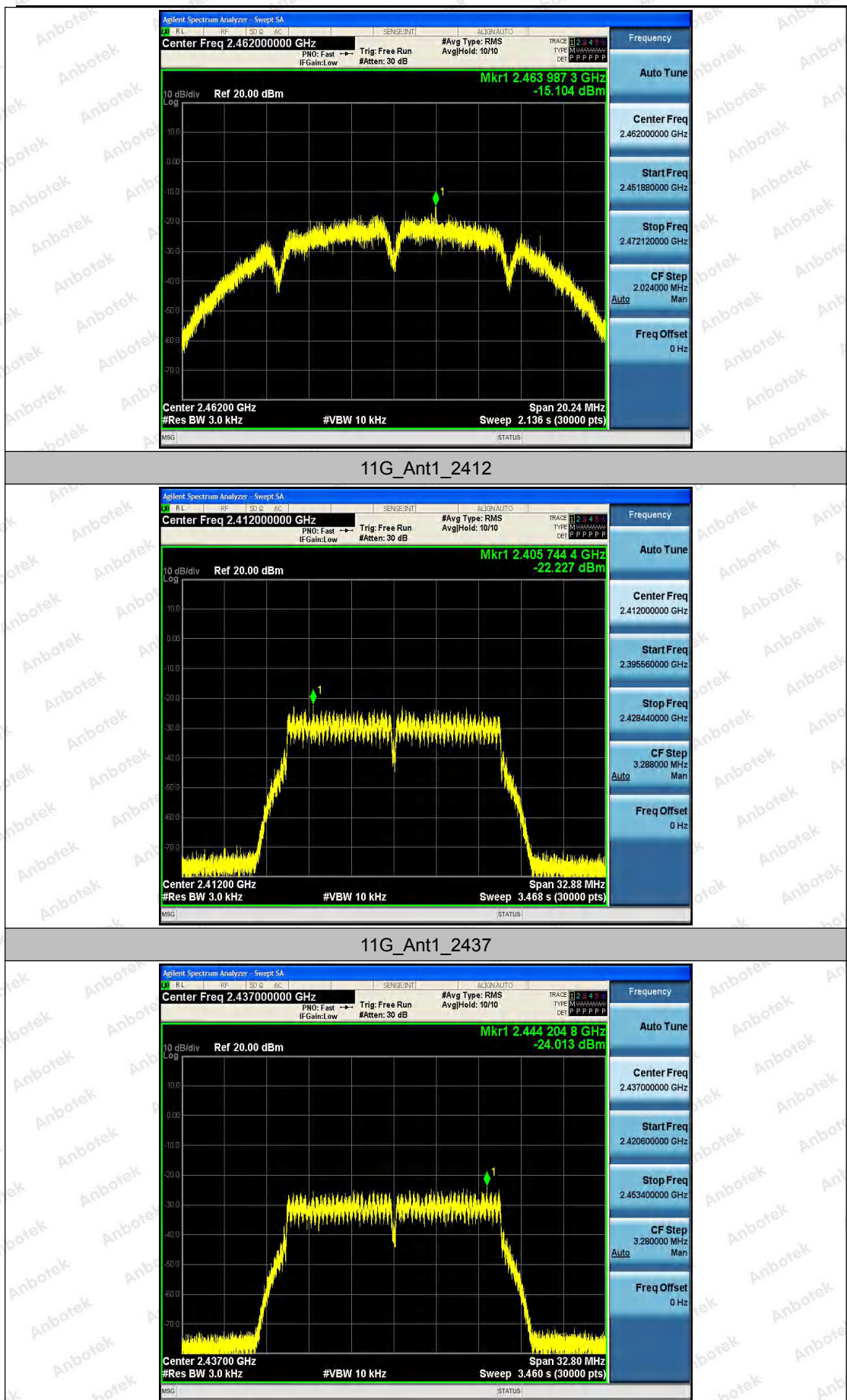
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.48	≤8	PASS
		2437	-18.11	≤8	PASS
		2462	-15.1	≤8	PASS
11G	Ant1	2412	-22.23	≤8	PASS
		2437	-24.01	≤8	PASS
		2462	-22.52	≤8	PASS
11N20	Ant1	2412	-23.27	≤8	PASS
		2437	-23.32	≤8	PASS
		2462	-23.3	≤8	PASS

Test Graphs





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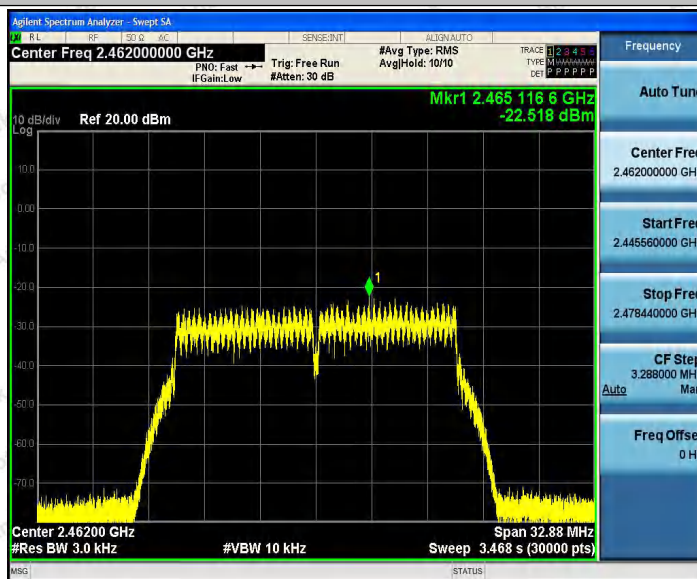


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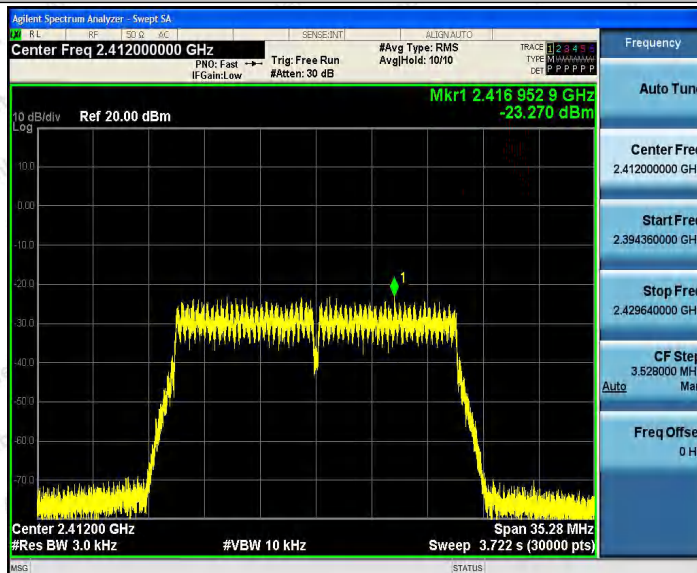
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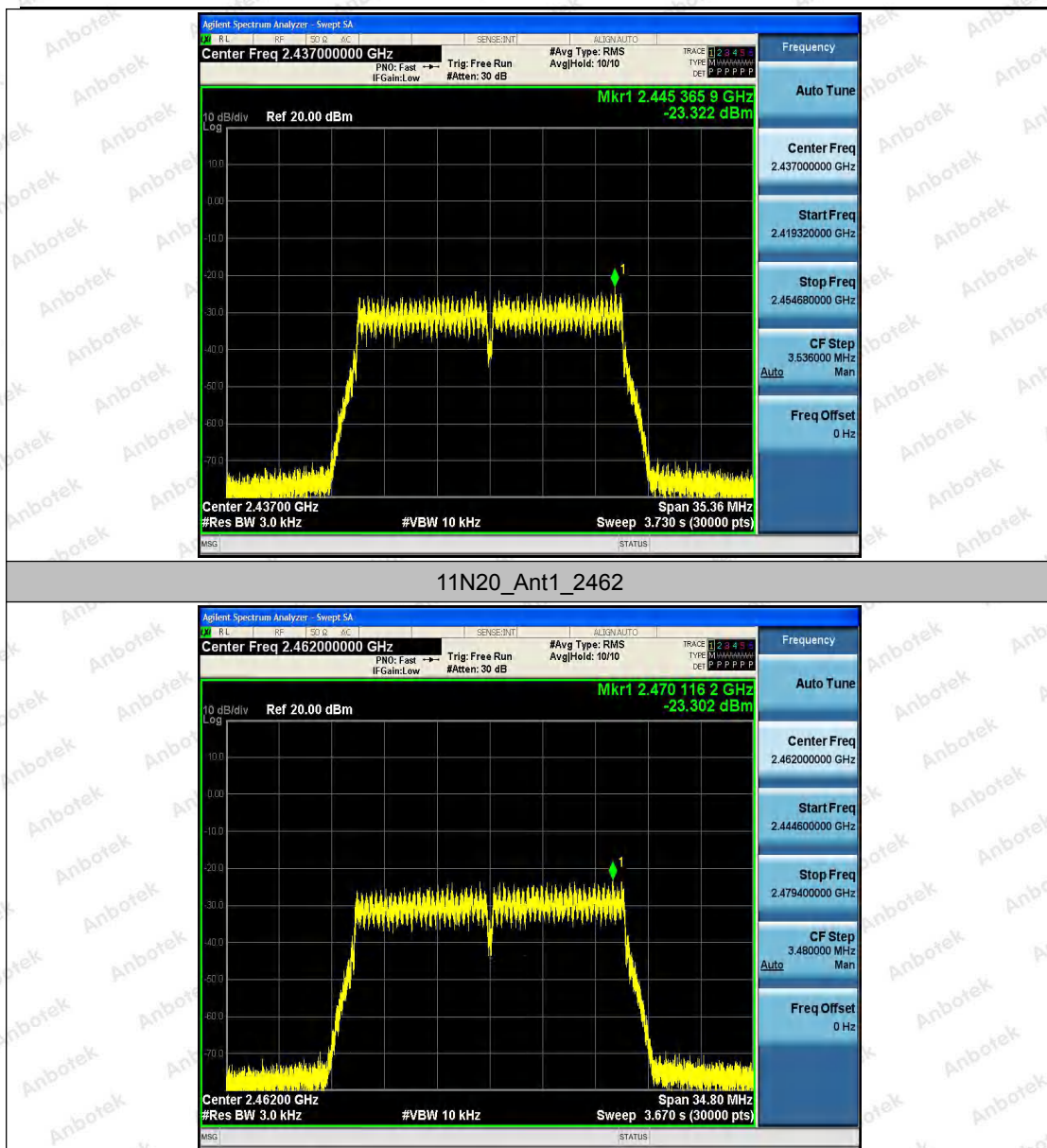
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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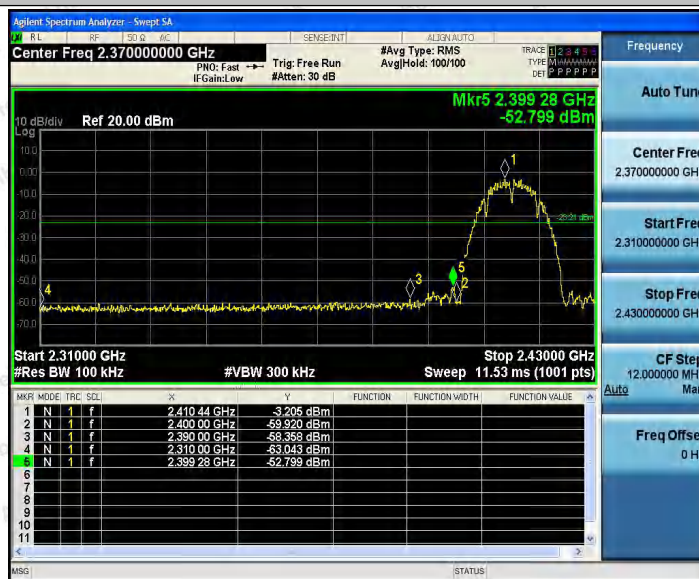
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.21	-52.8	≤ -23.21	PASS
		High	2462	-2.90	-58.25	≤ -22.9	PASS
11G	Ant1	Low	2412	-9.86	-54.44	≤ -29.86	PASS
		High	2462	-9.72	-57.39	≤ -29.72	PASS
11N20	Ant1	Low	2412	-8.88	-51.69	≤ -28.88	PASS
		High	2462	-9.38	-54.79	≤ -29.38	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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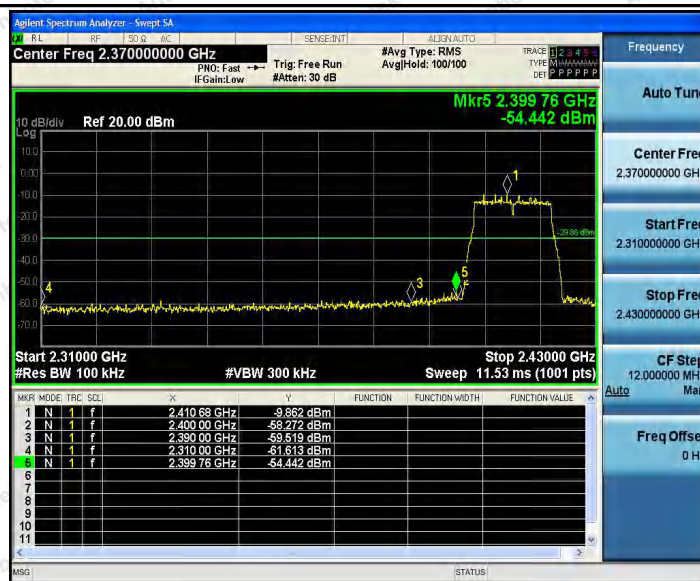
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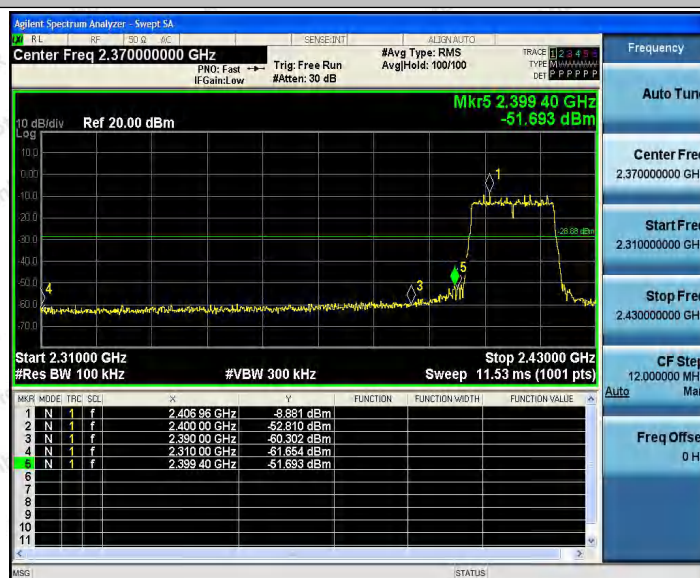
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

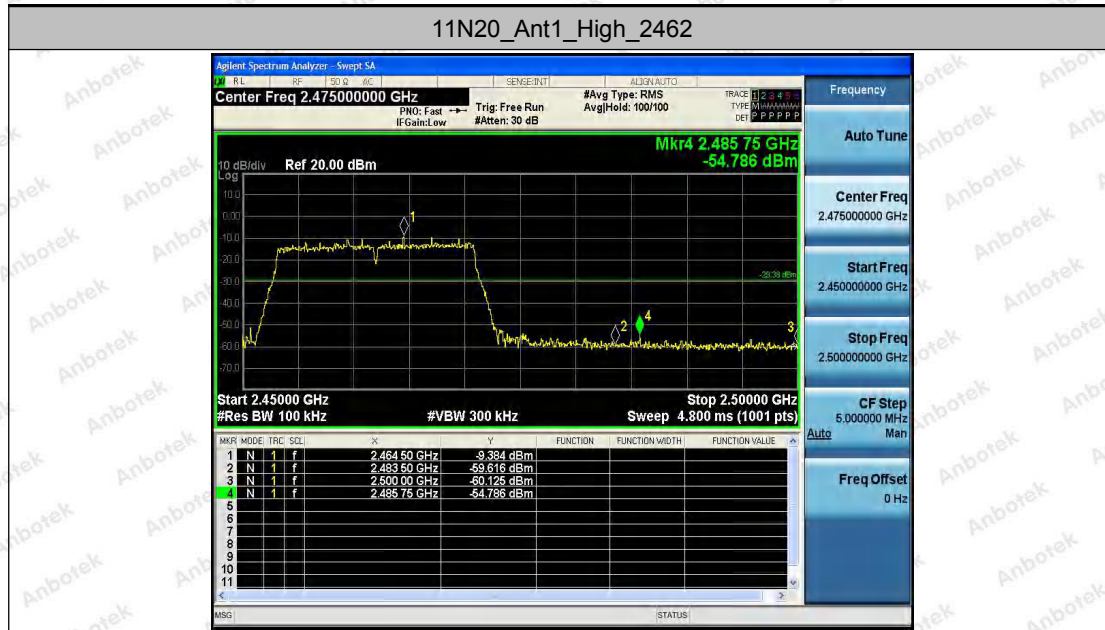


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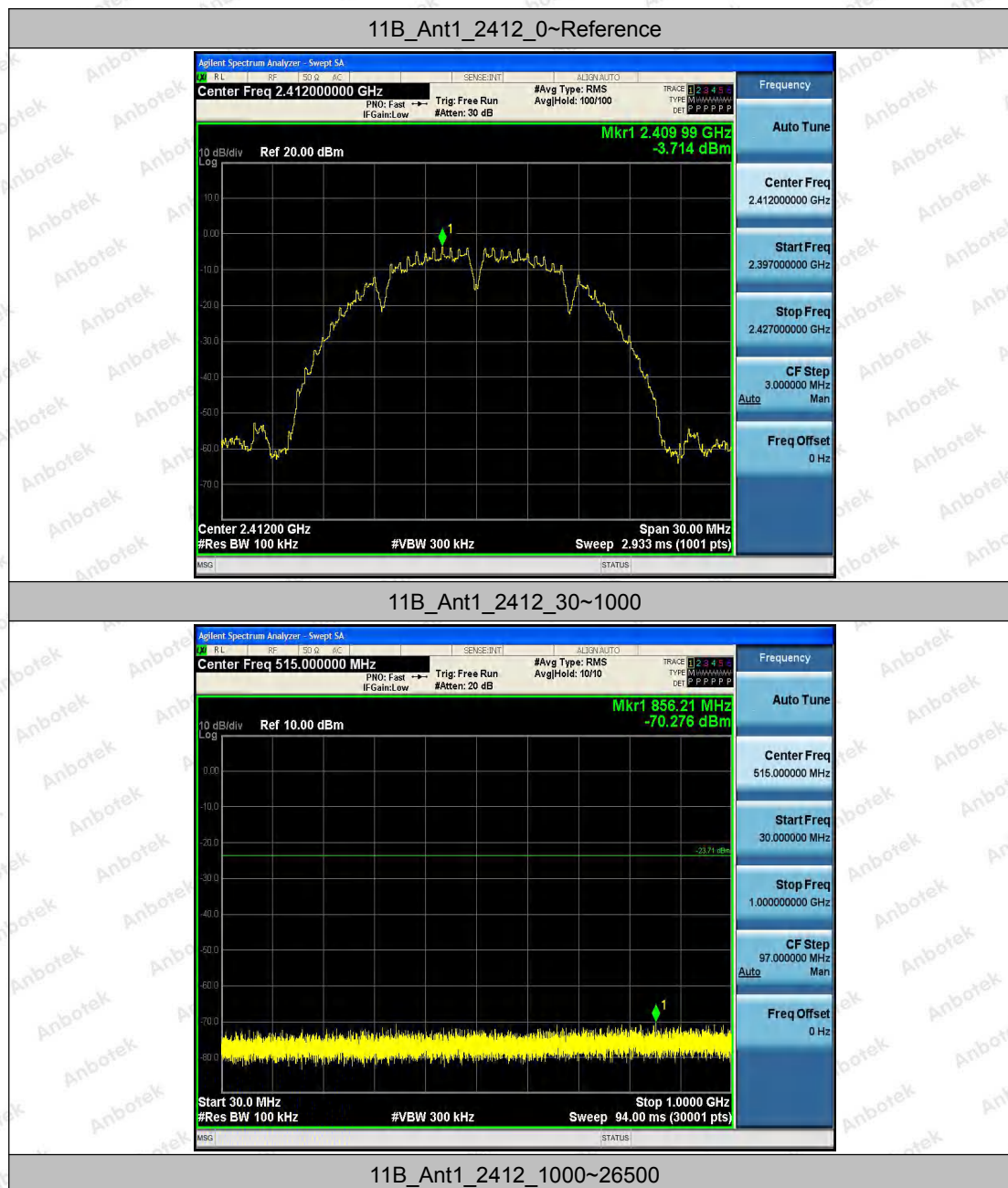
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-70.28	≤-23.71	PASS
			1000~26500	-3.71	-42.83	≤-23.71	PASS
		2437	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-70.22	≤-24.3	PASS
			1000~26500	-4.30	-42.83	≤-24.3	PASS
		2462	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-70.38	≤-22.81	PASS
			1000~26500	-2.81	-51.99	≤-22.81	PASS
11G	Ant1	2412	Reference	-9.24	-9.24	---	PASS
			30~1000	-9.24	-69.31	≤-29.24	PASS
			1000~26500	-9.24	-44.56	≤-29.24	PASS
		2437	Reference	-10.48	-10.48	---	PASS
			30~1000	-10.48	-69.65	≤-30.48	PASS
			1000~26500	-10.48	-47.47	≤-30.48	PASS
		2462	Reference	-9.22	-9.22	---	PASS
			30~1000	-9.22	-70.04	≤-29.22	PASS
			1000~26500	-9.22	-55.34	≤-29.22	PASS
11N20	Ant1	2412	Reference	-9.08	-9.08	---	PASS
			30~1000	-9.08	-70.59	≤-29.08	PASS
			1000~26500	-9.08	-55.07	≤-29.08	PASS
		2437	Reference	-10.60	-10.60	---	PASS
			30~1000	-10.60	-70.29	≤-30.6	PASS
			1000~26500	-10.60	-55.24	≤-30.6	PASS
		2462	Reference	-8.86	-8.86	---	PASS
			30~1000	-8.86	-59.92	≤-28.86	PASS
			1000~26500	-8.86	-54.72	≤-28.86	PASS

Test Graphs

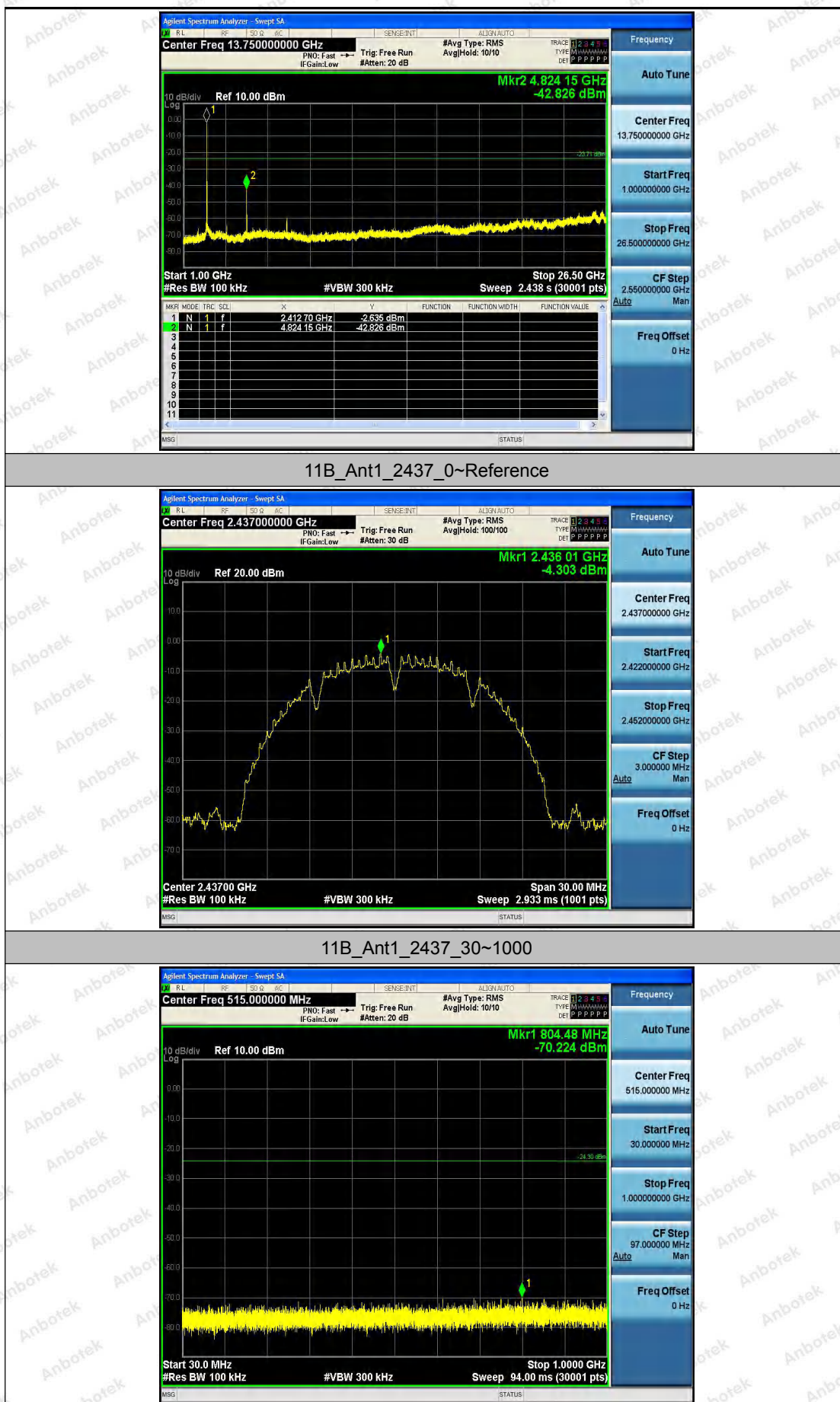


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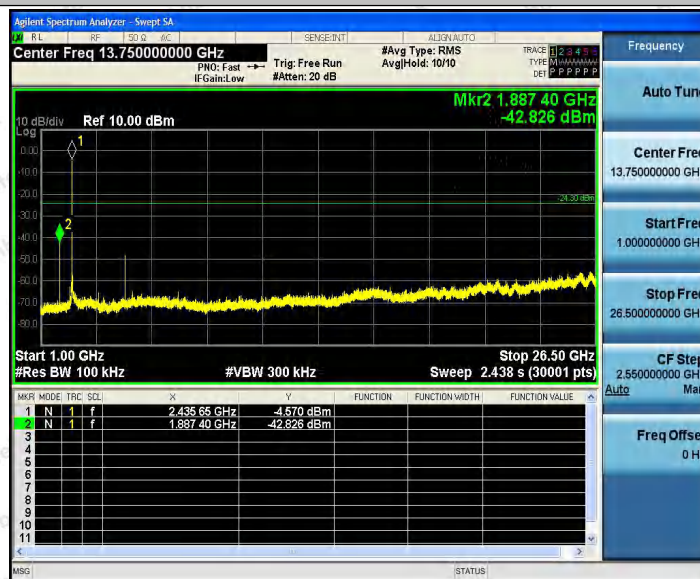
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



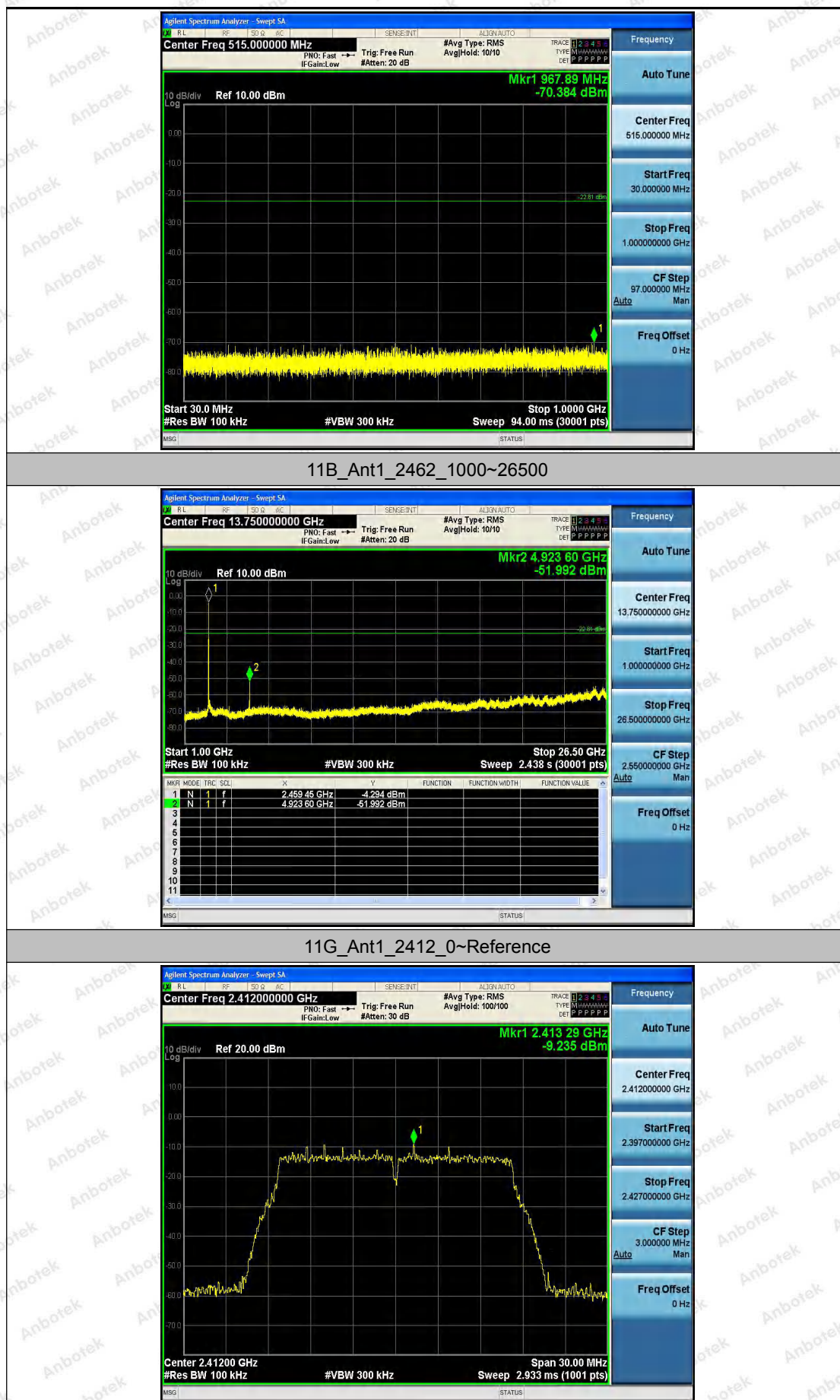
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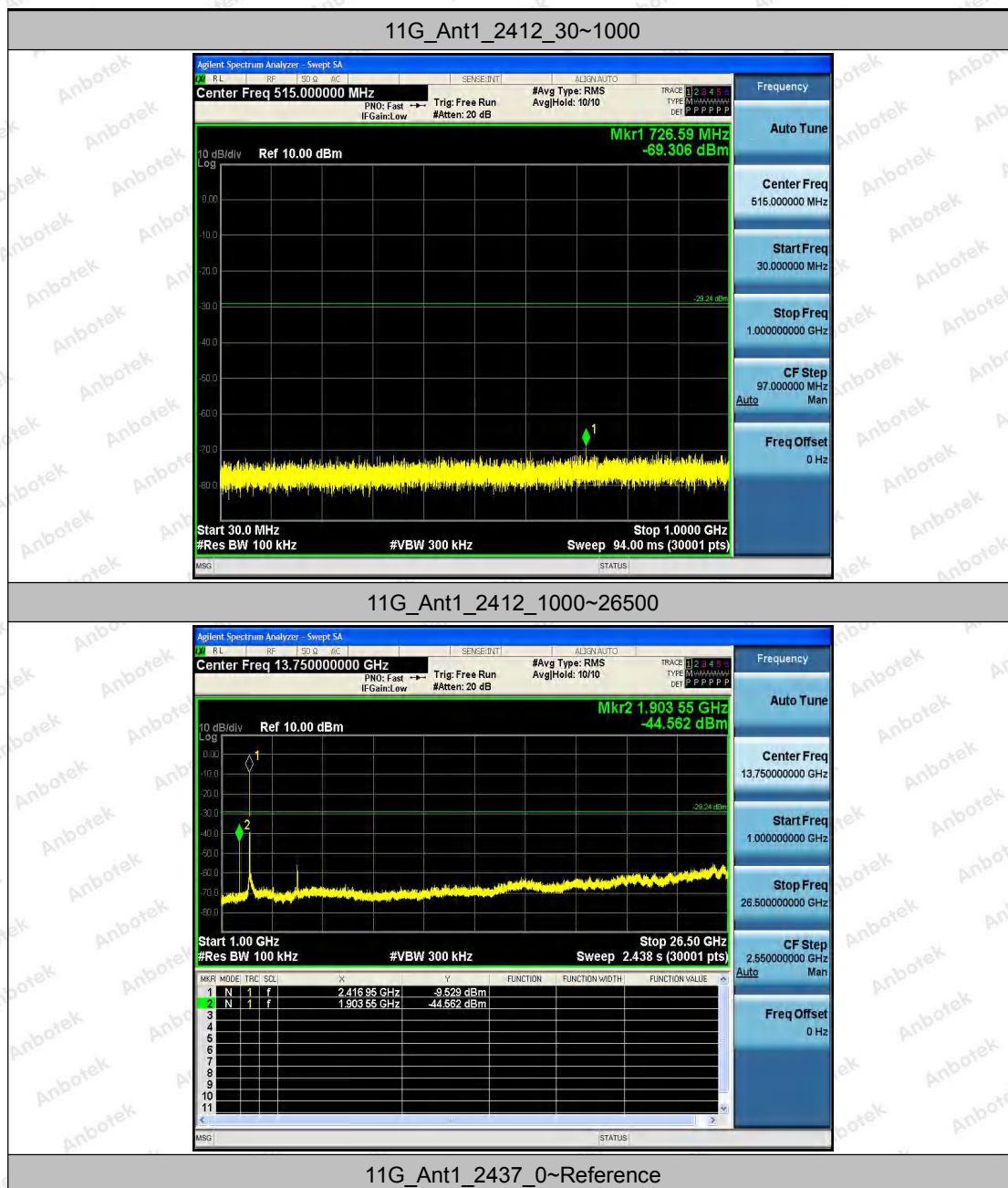


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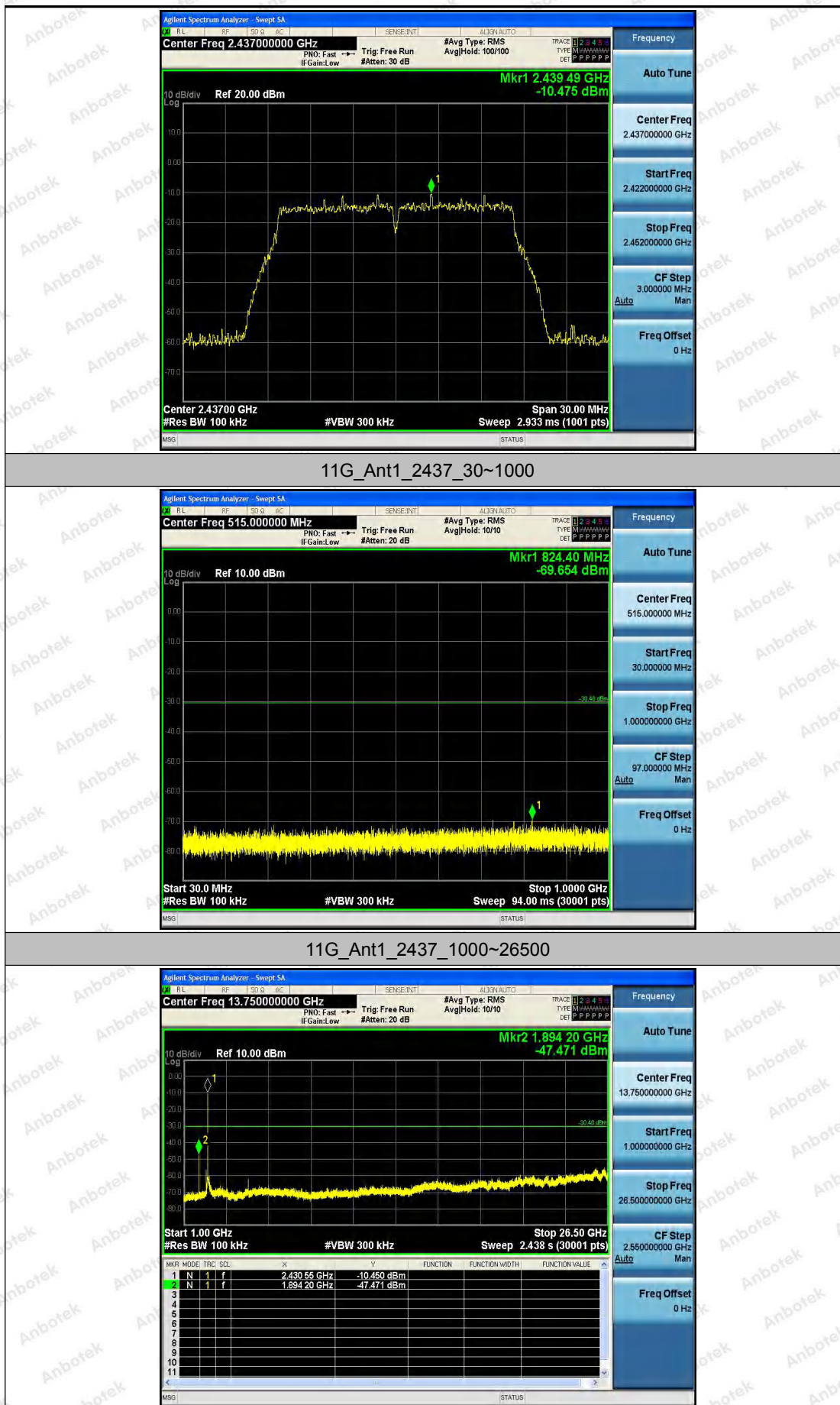


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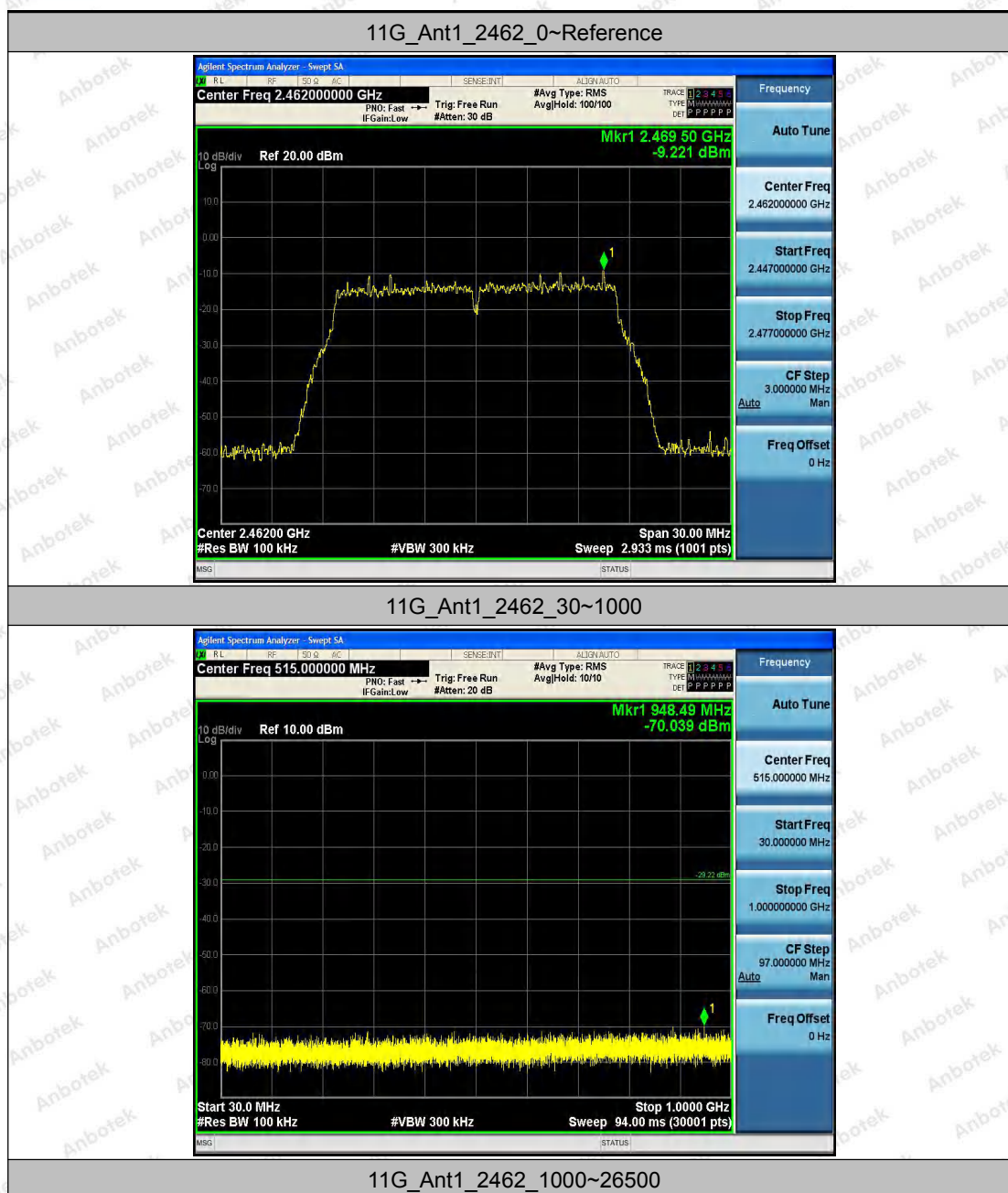


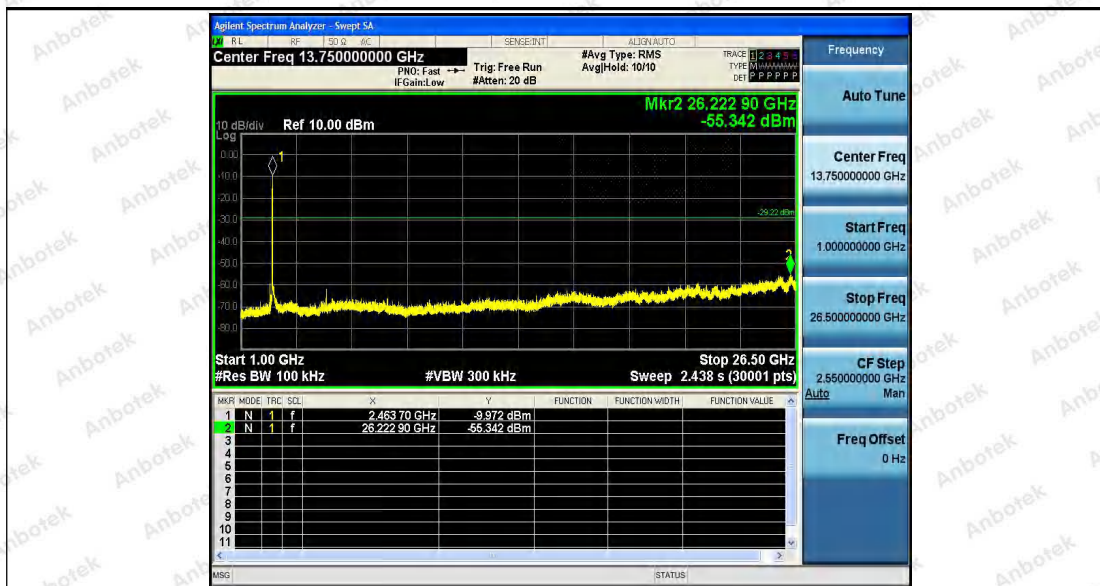
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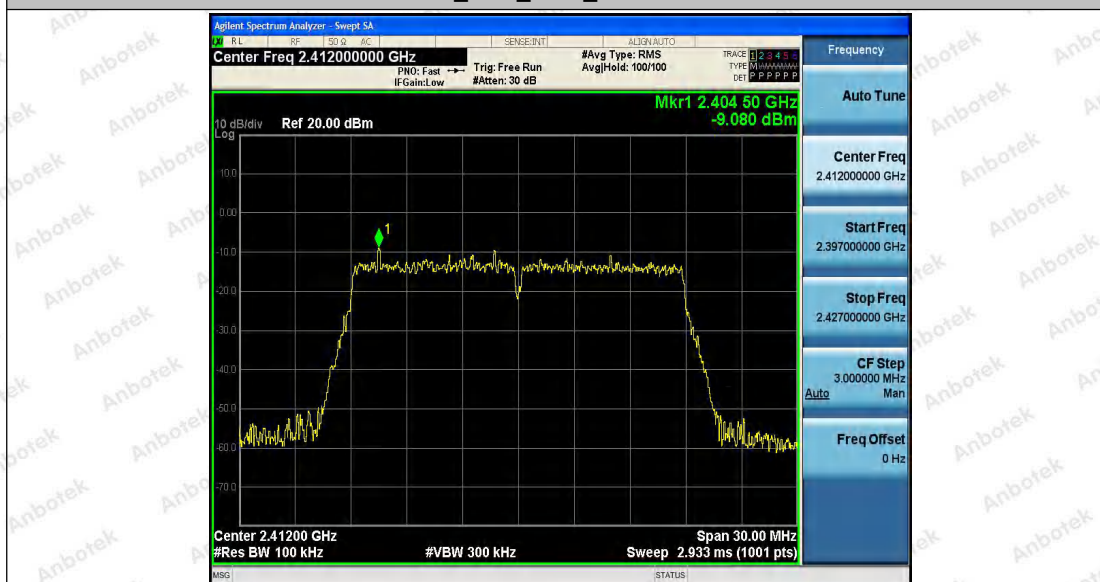
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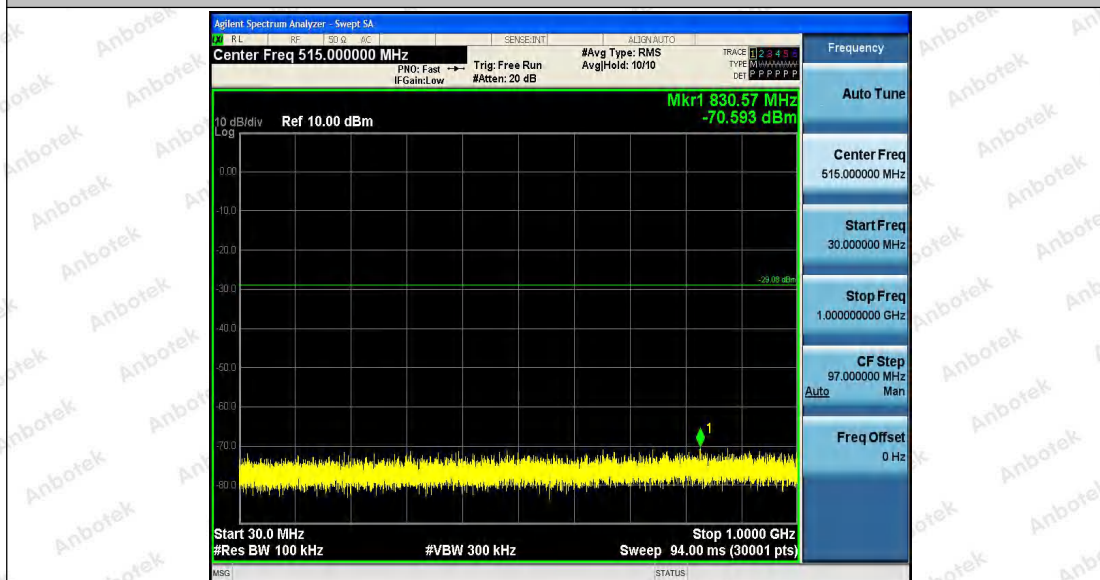




11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



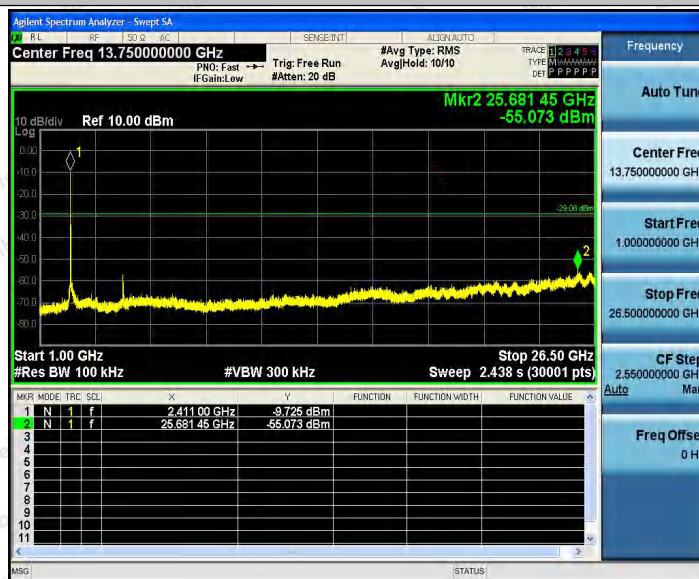
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



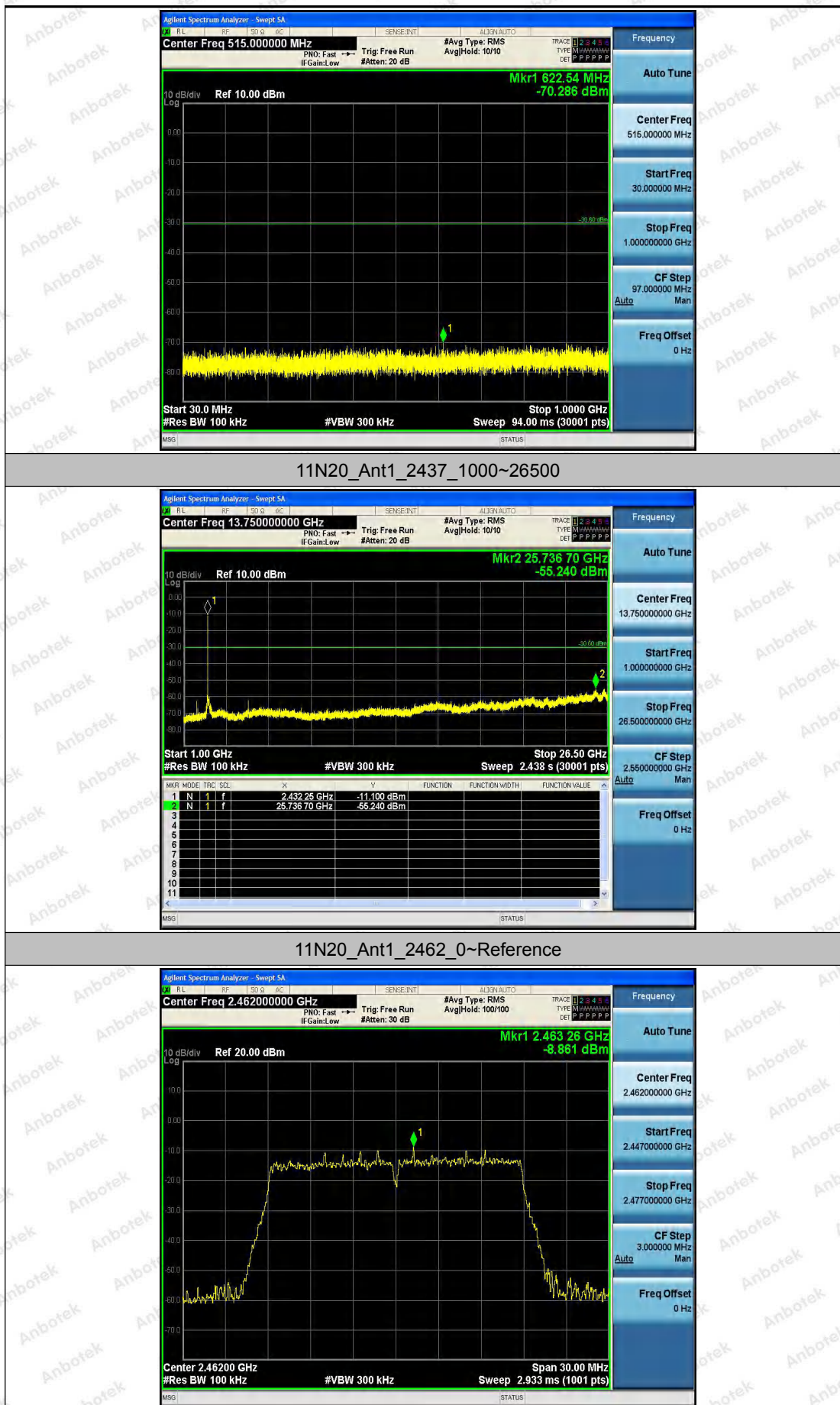
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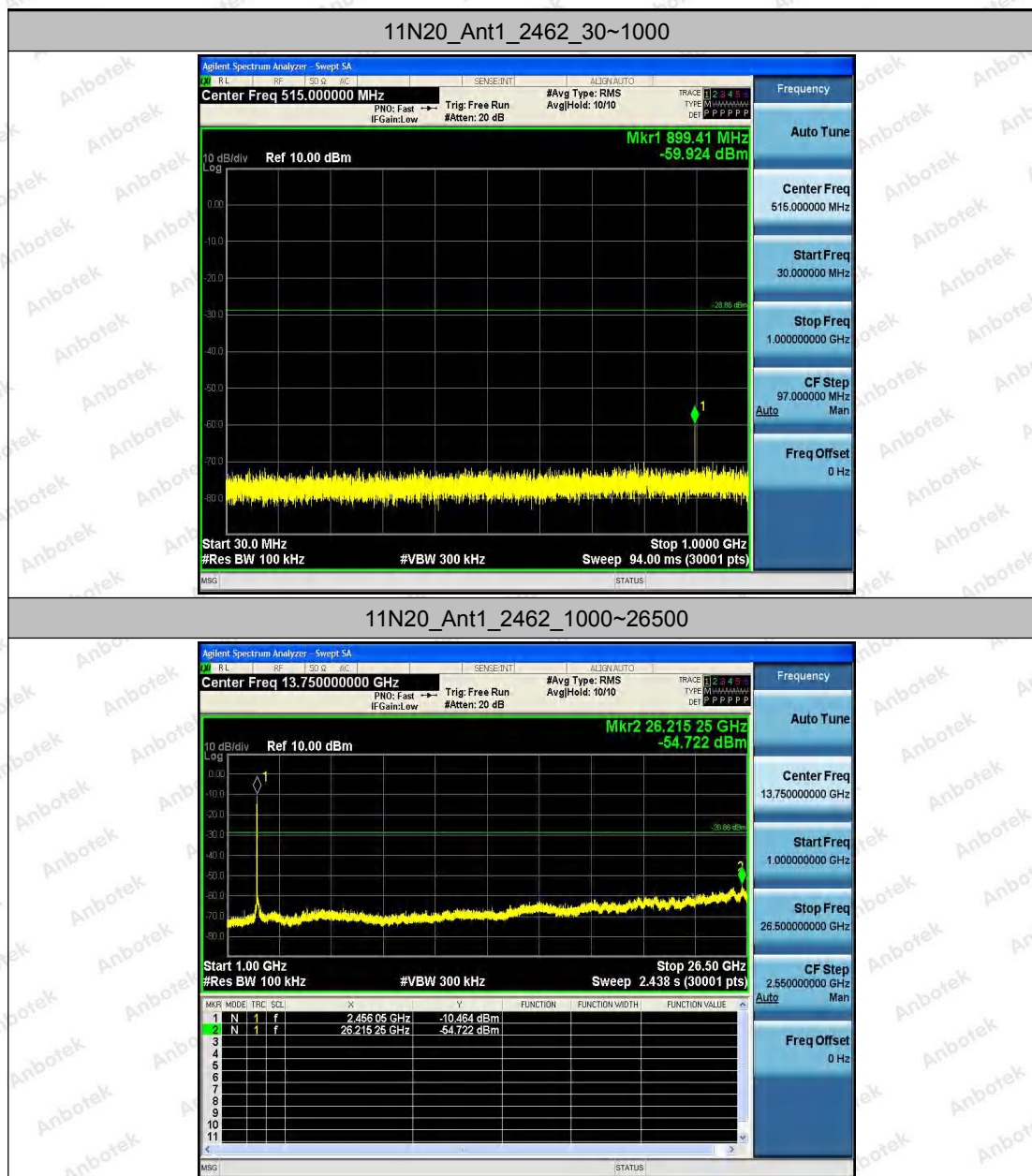


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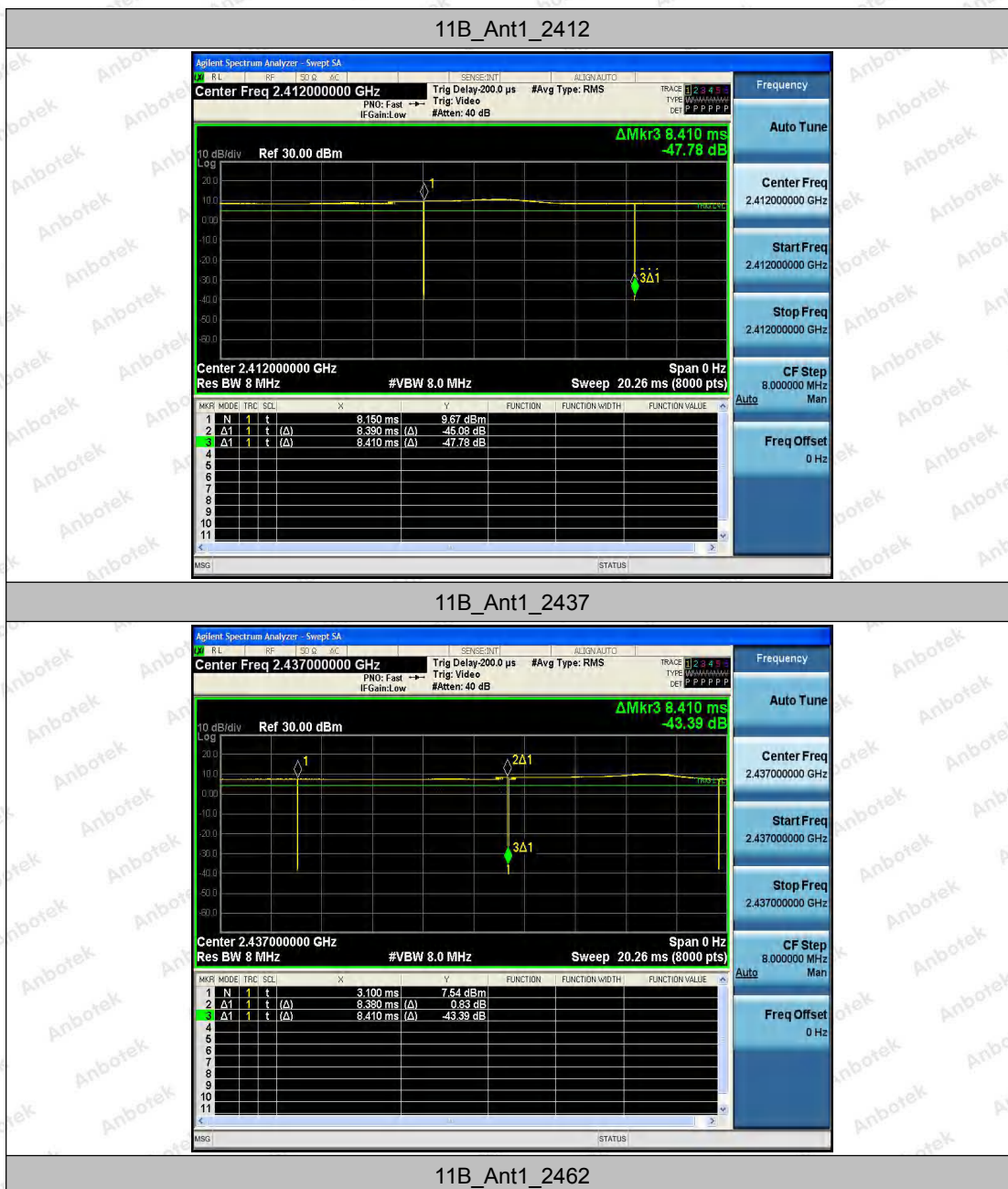
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Appendix G: Duty Cycle

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	1.43	97.20	---	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

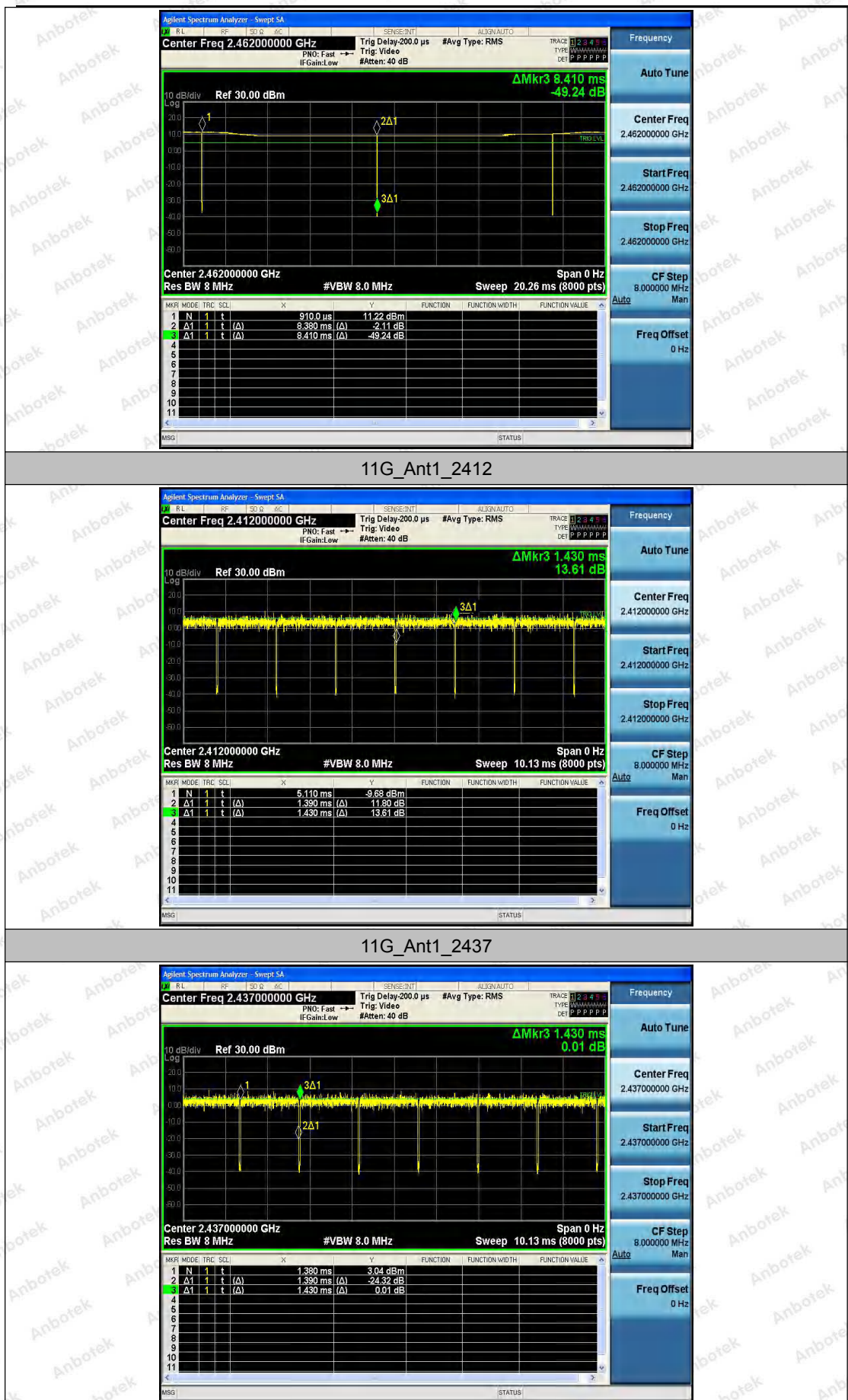


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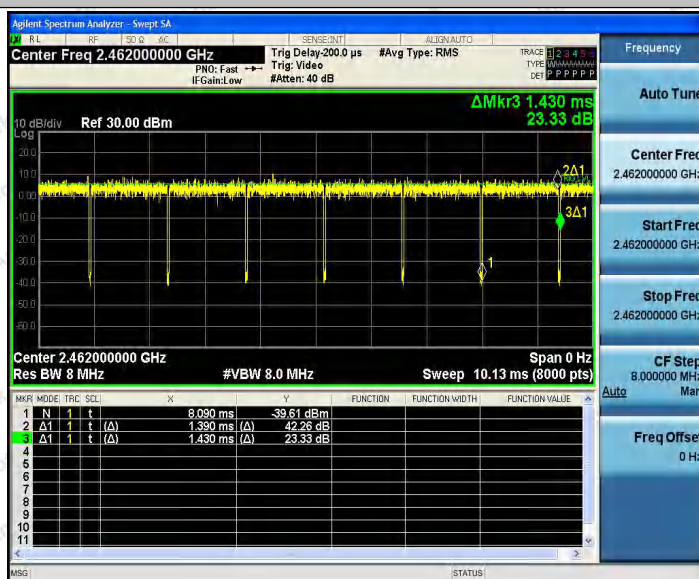
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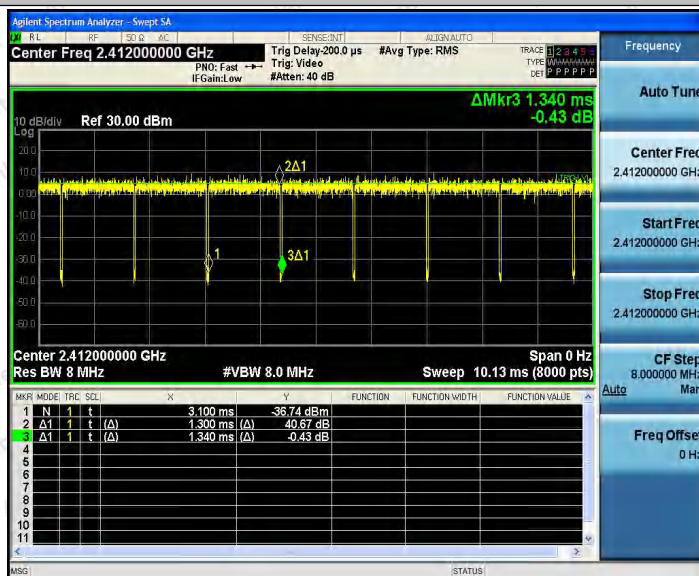
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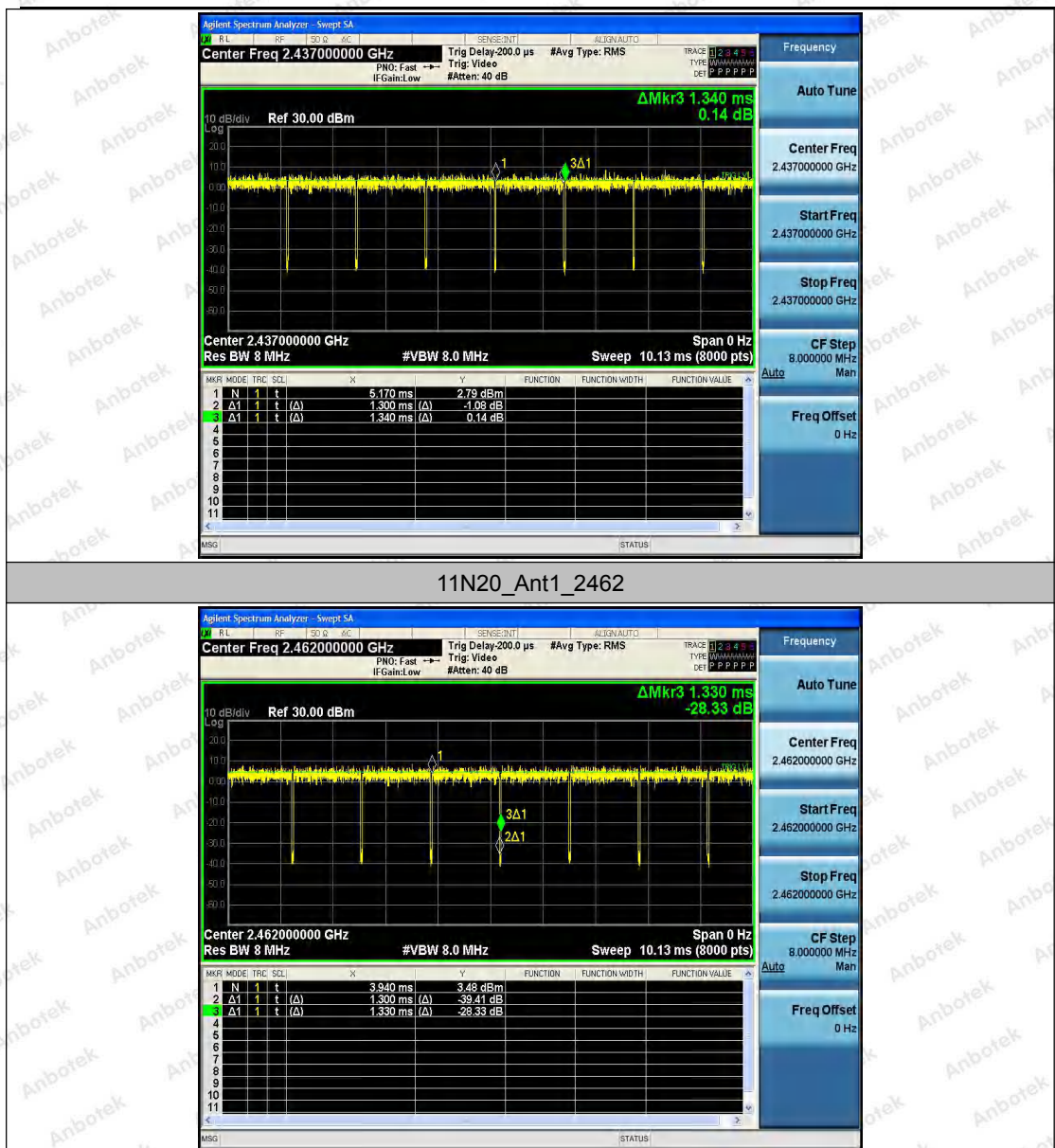
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



---End---