

Appendix Test Data

Report No.:	18220WC10261902	Test Sample No.:	1-2-2
Start Test Date:	2021.11.27	Finish Test Date:	2021.12.3
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	9.120	2407.440	2416.560	≥0.5	PASS
		2437	9.600	2432.440	2442.040	≥0.5	PASS
		2462	9.640	2457.440	2467.080	≥0.5	PASS
11G	Ant1	2412	15.360	2404.440	2419.800	≥0.5	PASS
		2437	15.520	2429.440	2444.960	≥0.5	PASS
		2462	15.520	2454.400	2469.920	≥0.5	PASS
11N20	Ant1	2412	15.200	2404.400	2419.600	≥0.5	PASS
		2437	15.960	2429.440	2445.400	≥0.5	PASS
		2462	15.120	2455.440	2470.560	≥0.5	PASS
11N40	Ant1	2422	35.220	2404.420	2439.640	≥0.5	PASS
		2437	35.220	2419.360	2454.580	≥0.5	PASS
		2452	35.640	2434.360	2470.000	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



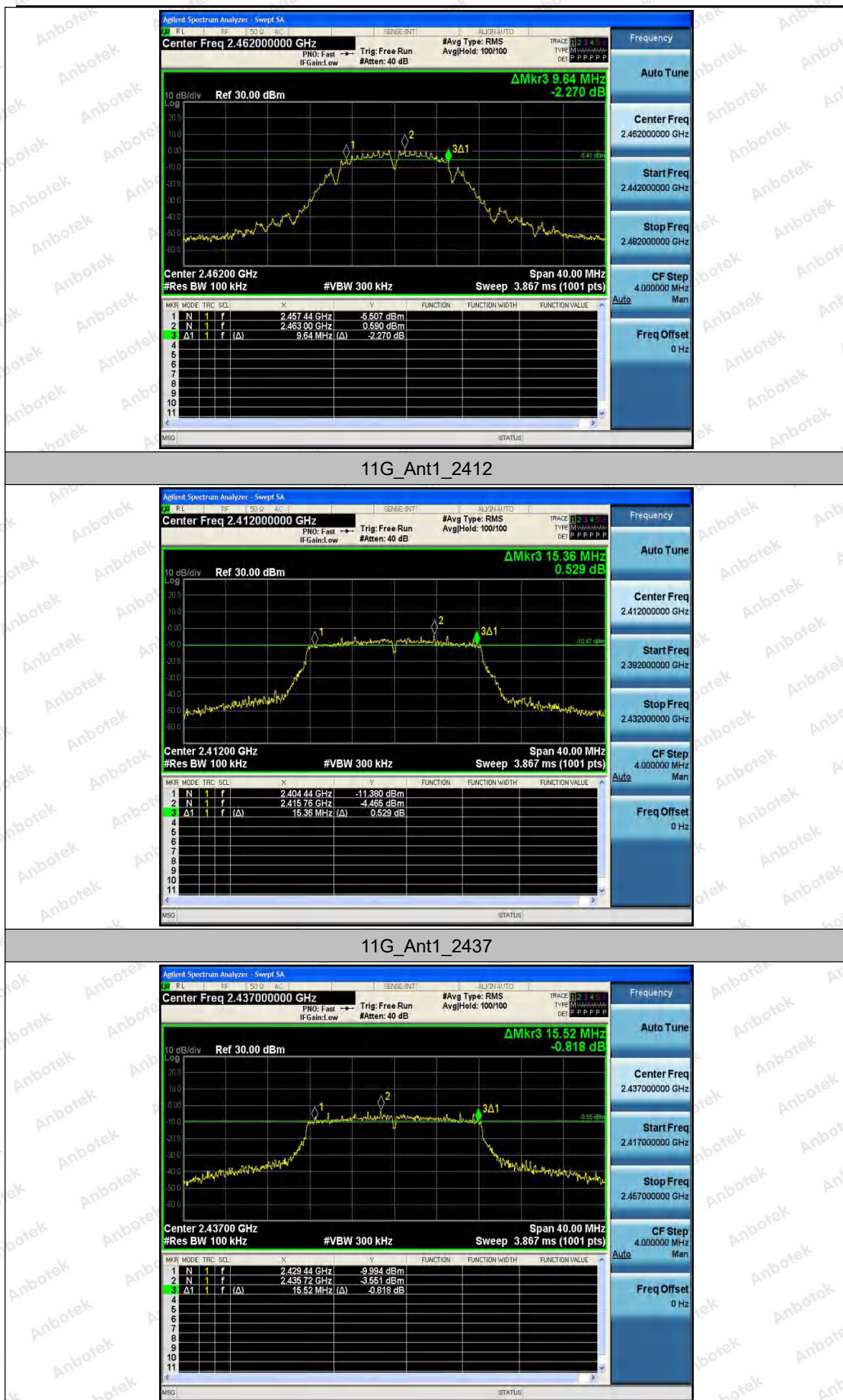
11B_Ant1_2462

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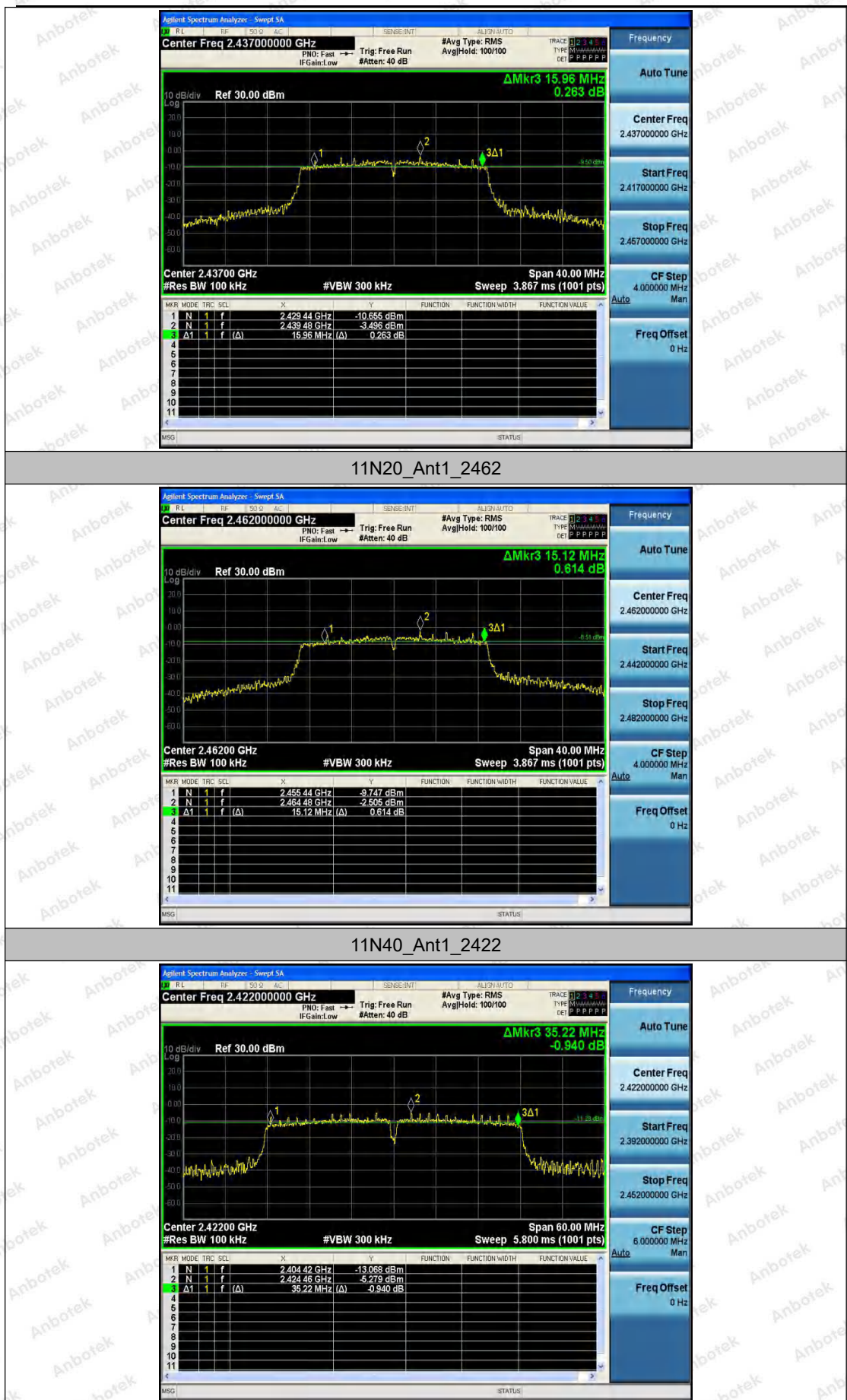
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



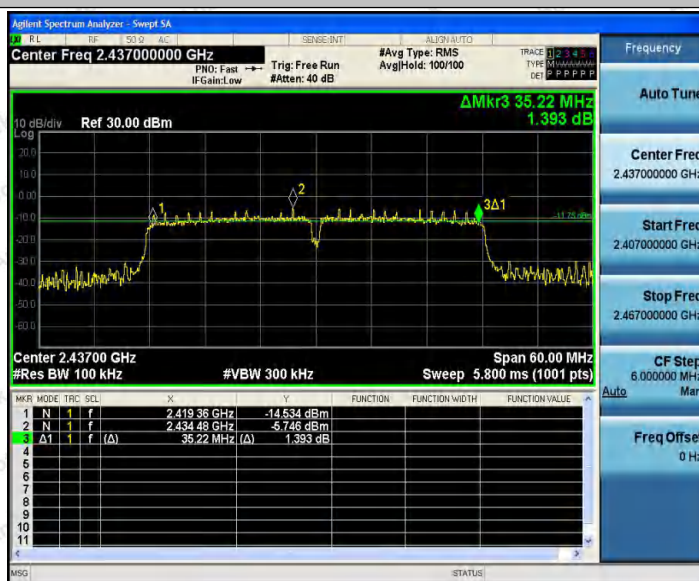
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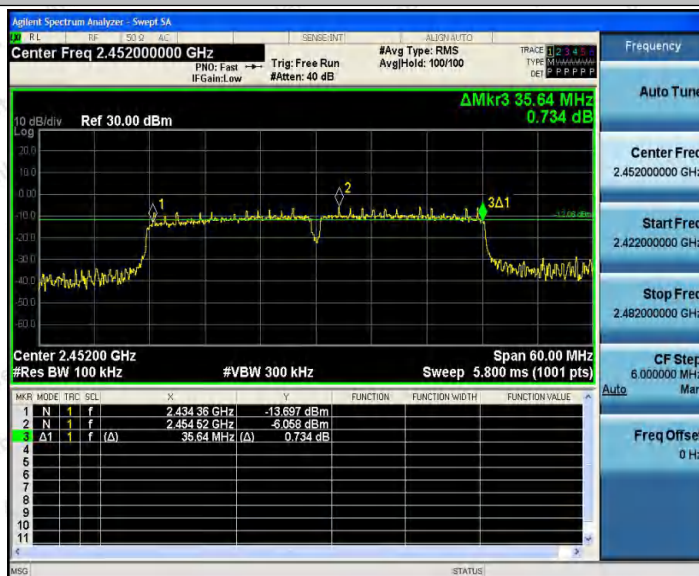
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11N40_Ant1_2437



11N40_Ant1_2452



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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	12.480	2405.792	2418.272	---	PASS
		2437	12.420	2430.816	2443.236	---	PASS
		2462	12.401	2455.915	2468.316	---	PASS
11G	Ant1	2412	16.912	2403.574	2420.486	---	PASS
		2437	16.881	2428.595	2445.476	---	PASS
		2462	17.147	2453.582	2470.729	---	PASS
11N20	Ant1	2412	17.729	2403.152	2420.881	---	PASS
		2437	17.909	2428.058	2445.967	---	PASS
		2462	18.001	2453.145	2471.146	---	PASS
11N40	Ant1	2422	36.036	2404.033	2440.069	---	PASS
		2437	36.109	2418.987	2455.096	---	PASS
		2452	36.223	2434.094	2470.317	---	PASS

Test Graphs

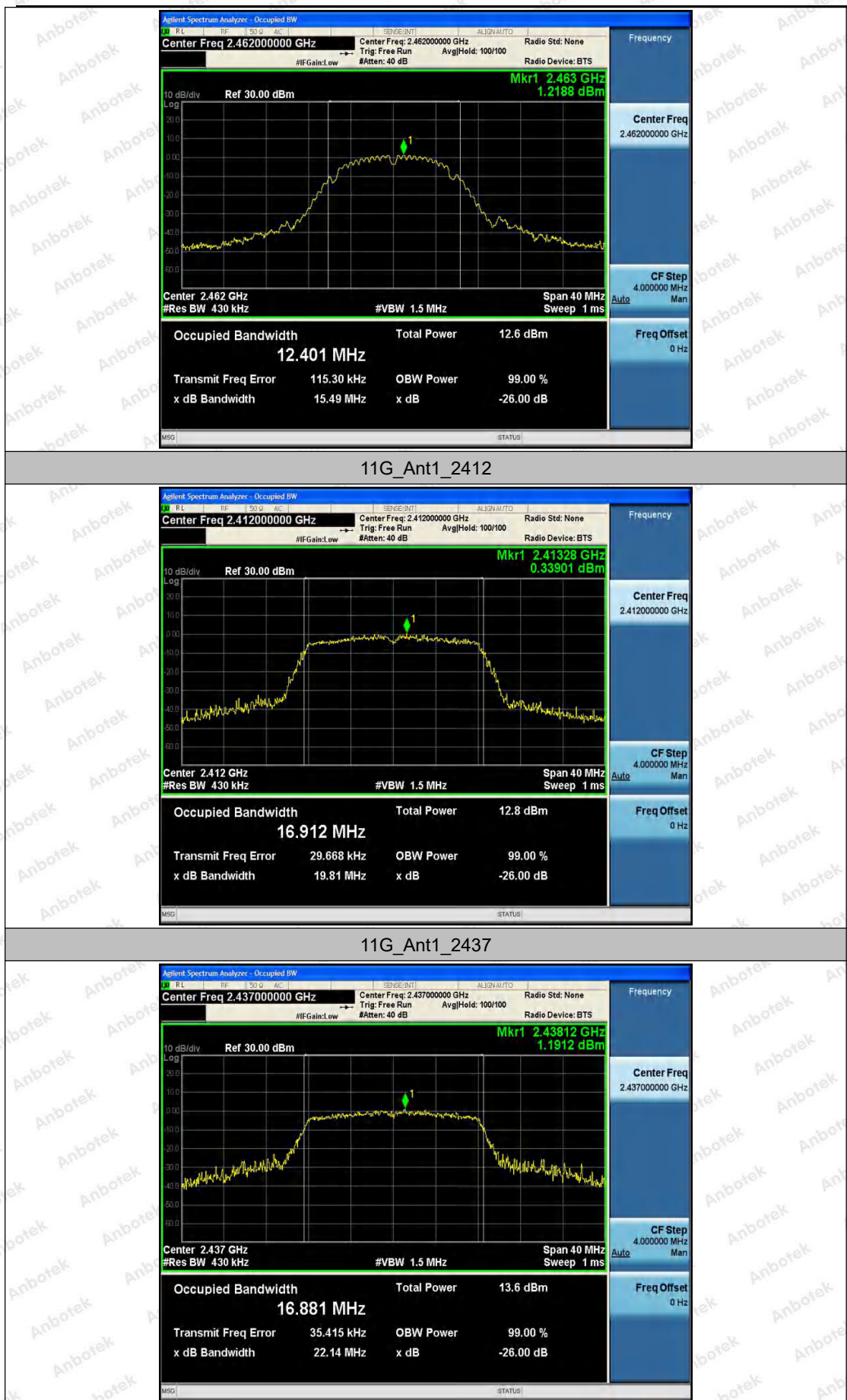


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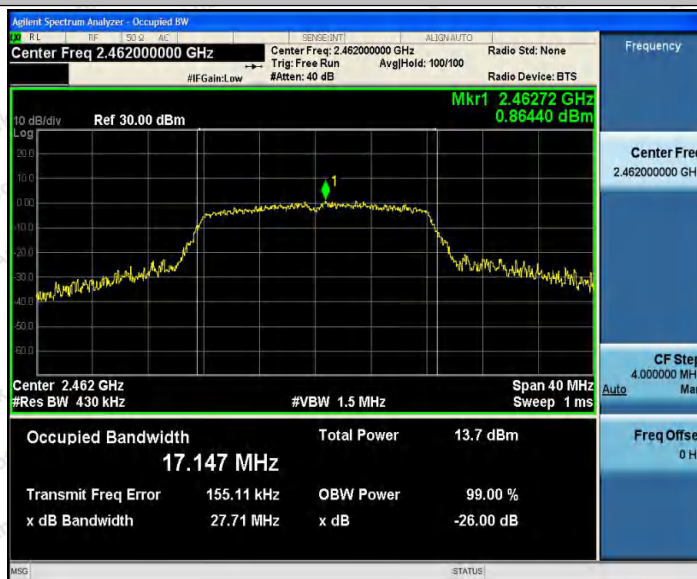


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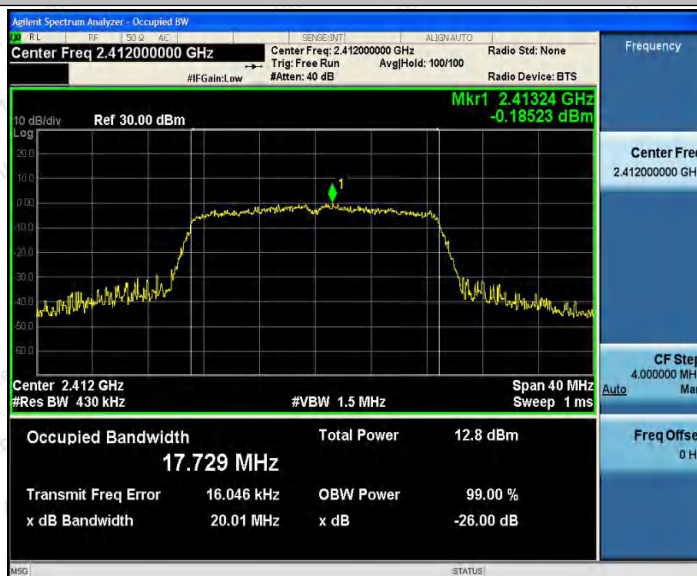
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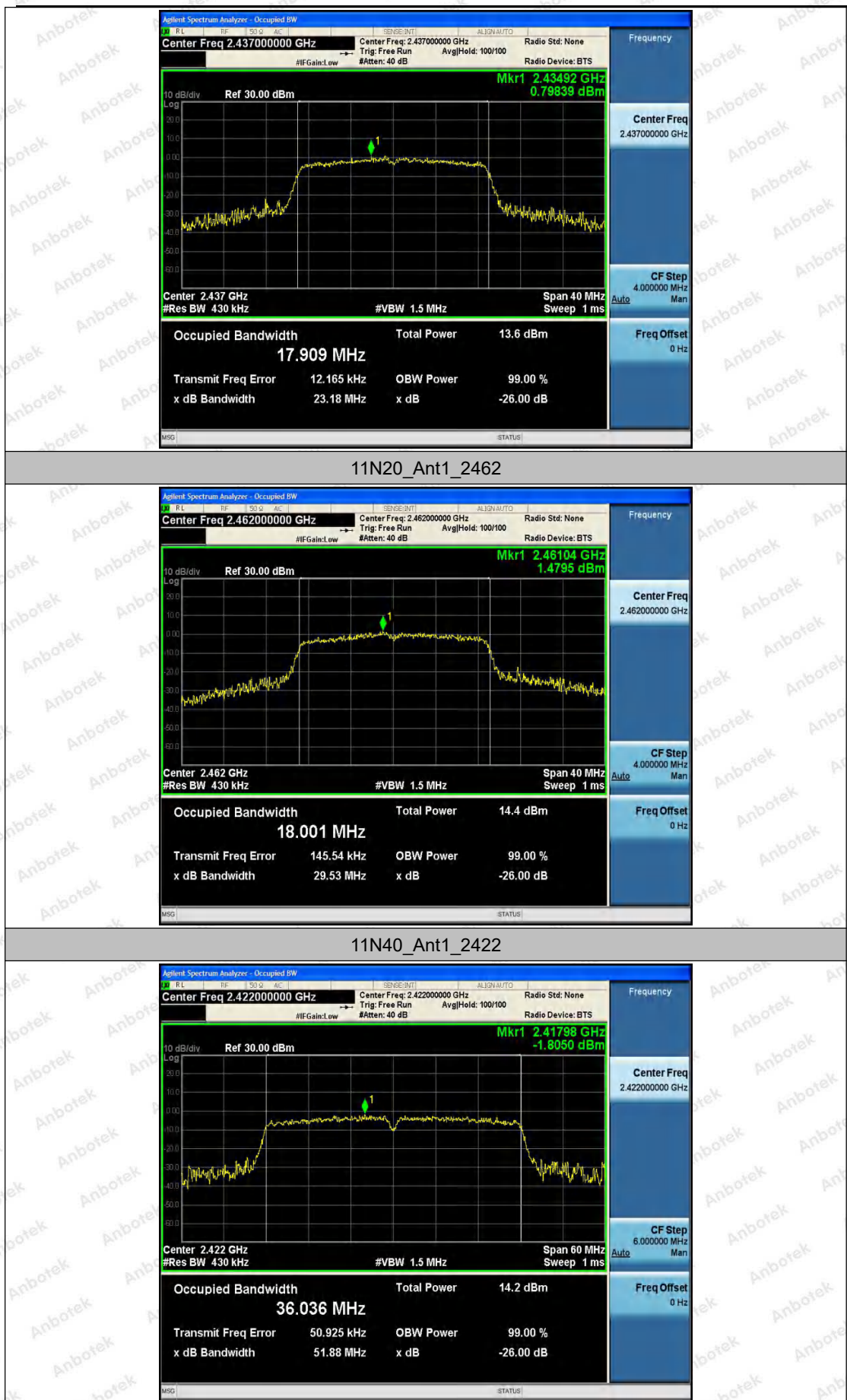
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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11N40_Ant1_2437



11N40_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

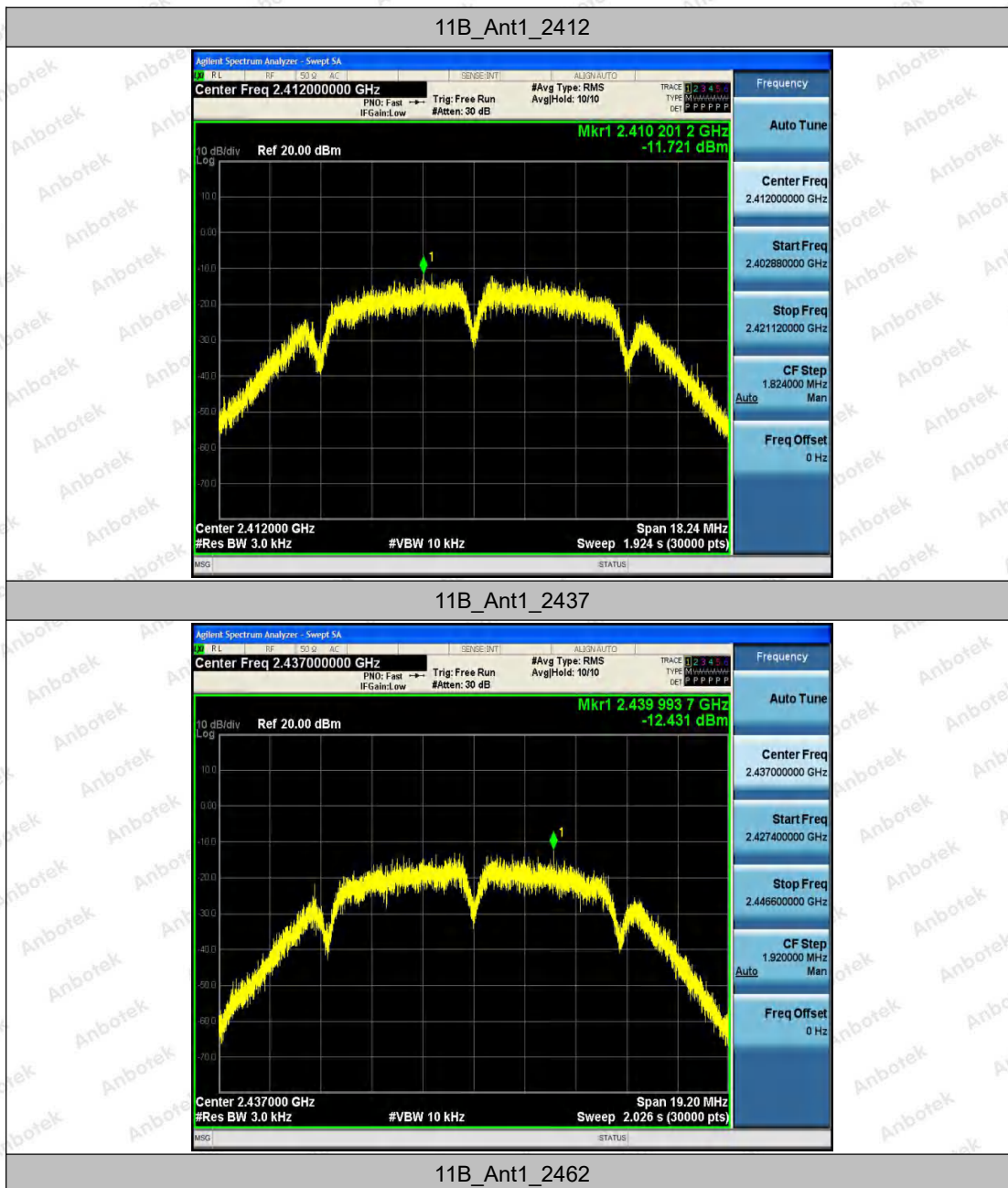
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.09	≤30	PASS
		2437	12.65	≤30	PASS
		2462	12.57	≤30	PASS
11G	Ant1	2412	13.87	≤30	PASS
		2437	14.66	≤30	PASS
		2462	14.76	≤30	PASS
11N20	Ant1	2412	13.99	≤30	PASS
		2437	14.76	≤30	PASS
		2462	15.47	≤30	PASS
11N40	Ant1	2422	13.38	≤30	PASS
		2437	12.90	≤30	PASS
		2452	12.95	≤30	PASS

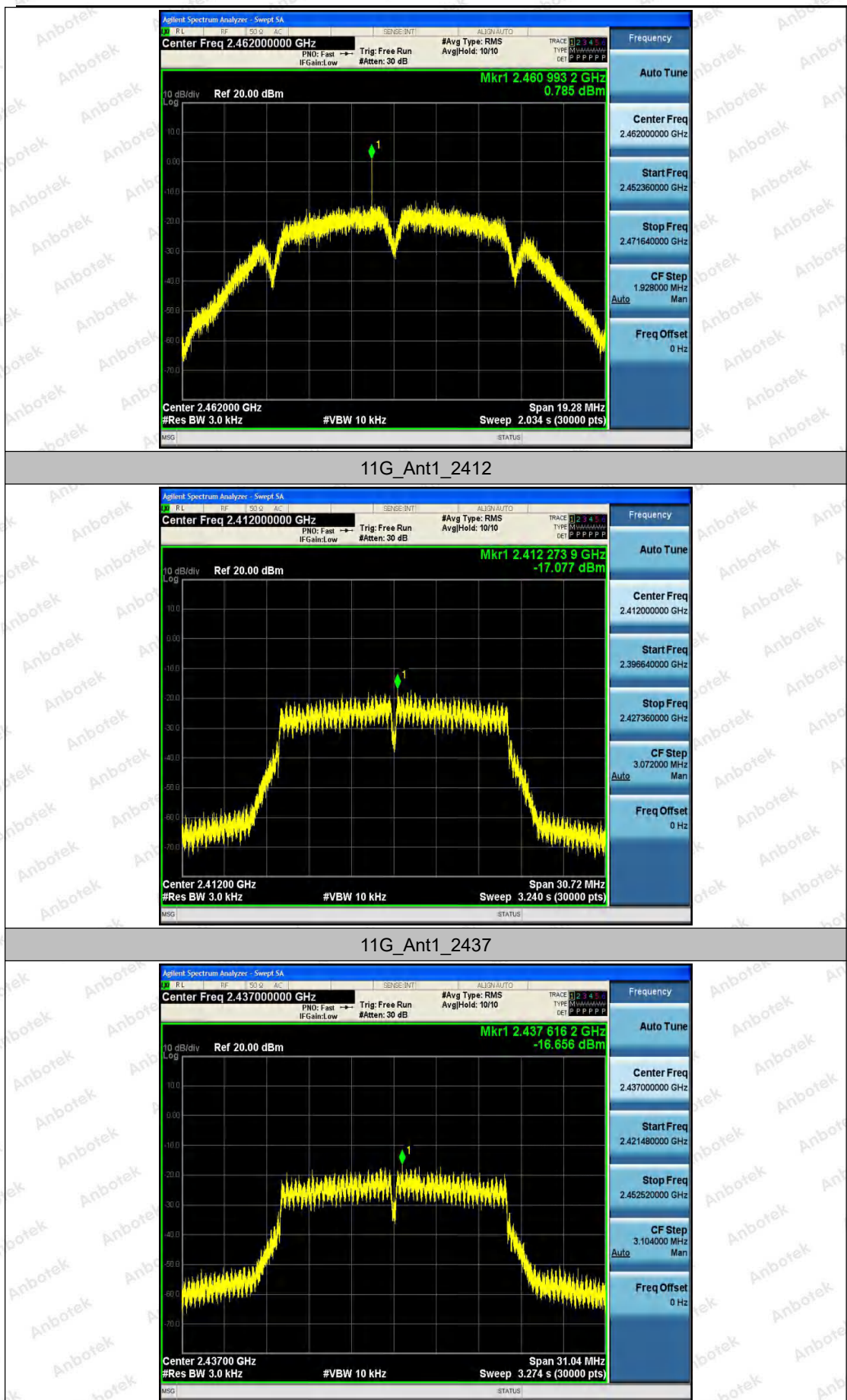
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.72	≤8	PASS
		2437	-12.43	≤8	PASS
		2462	0.79	≤8	PASS
11G	Ant1	2412	-17.08	≤8	PASS
		2437	-16.66	≤8	PASS
		2462	-16.93	≤8	PASS
11N20	Ant1	2412	-18.03	≤8	PASS
		2437	-17.23	≤8	PASS
		2462	-15.88	≤8	PASS
11N40	Ant1	2422	-19.48	≤8	PASS
		2437	-19.41	≤8	PASS
		2452	-20.37	≤8	PASS

Test Graphs



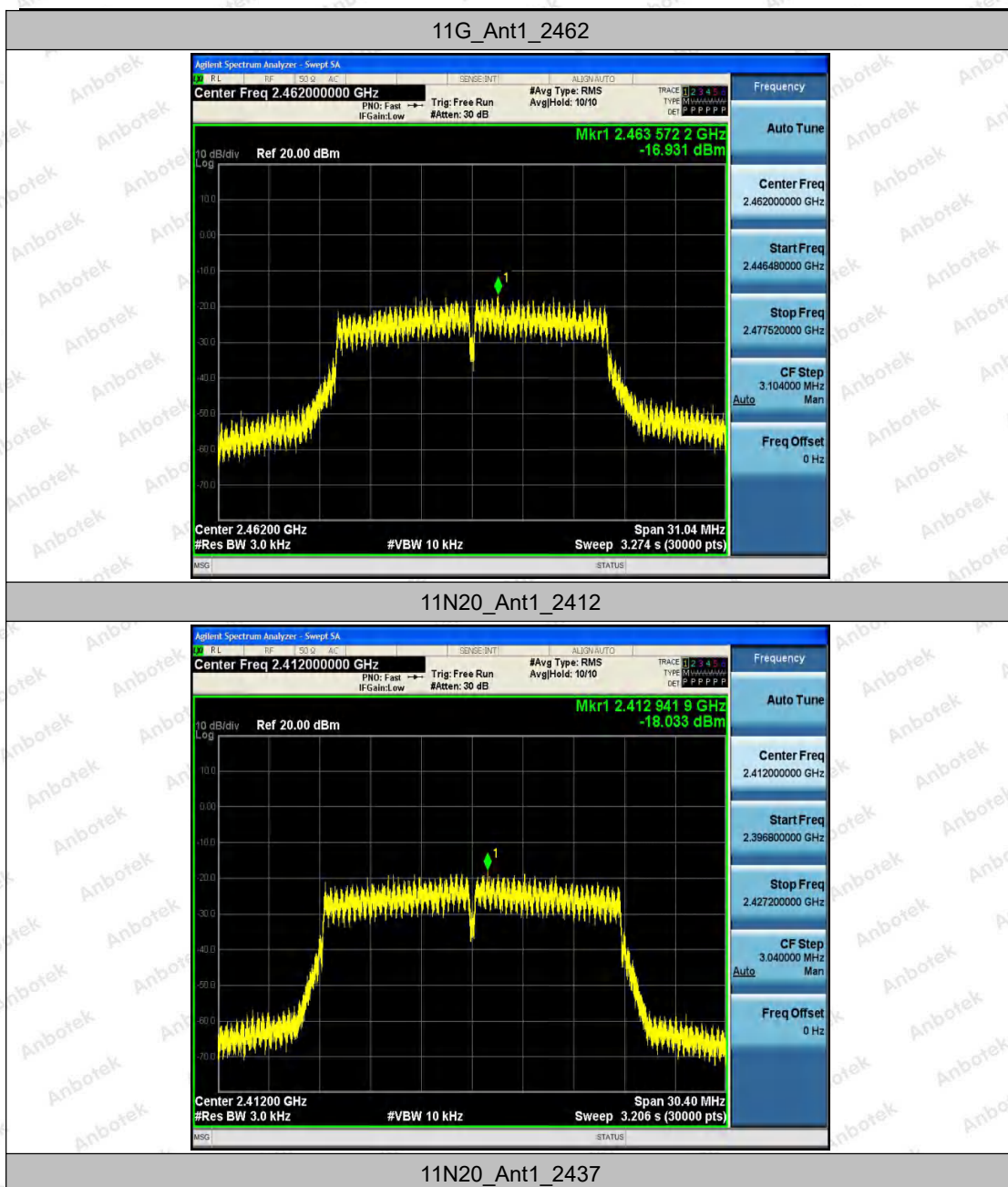


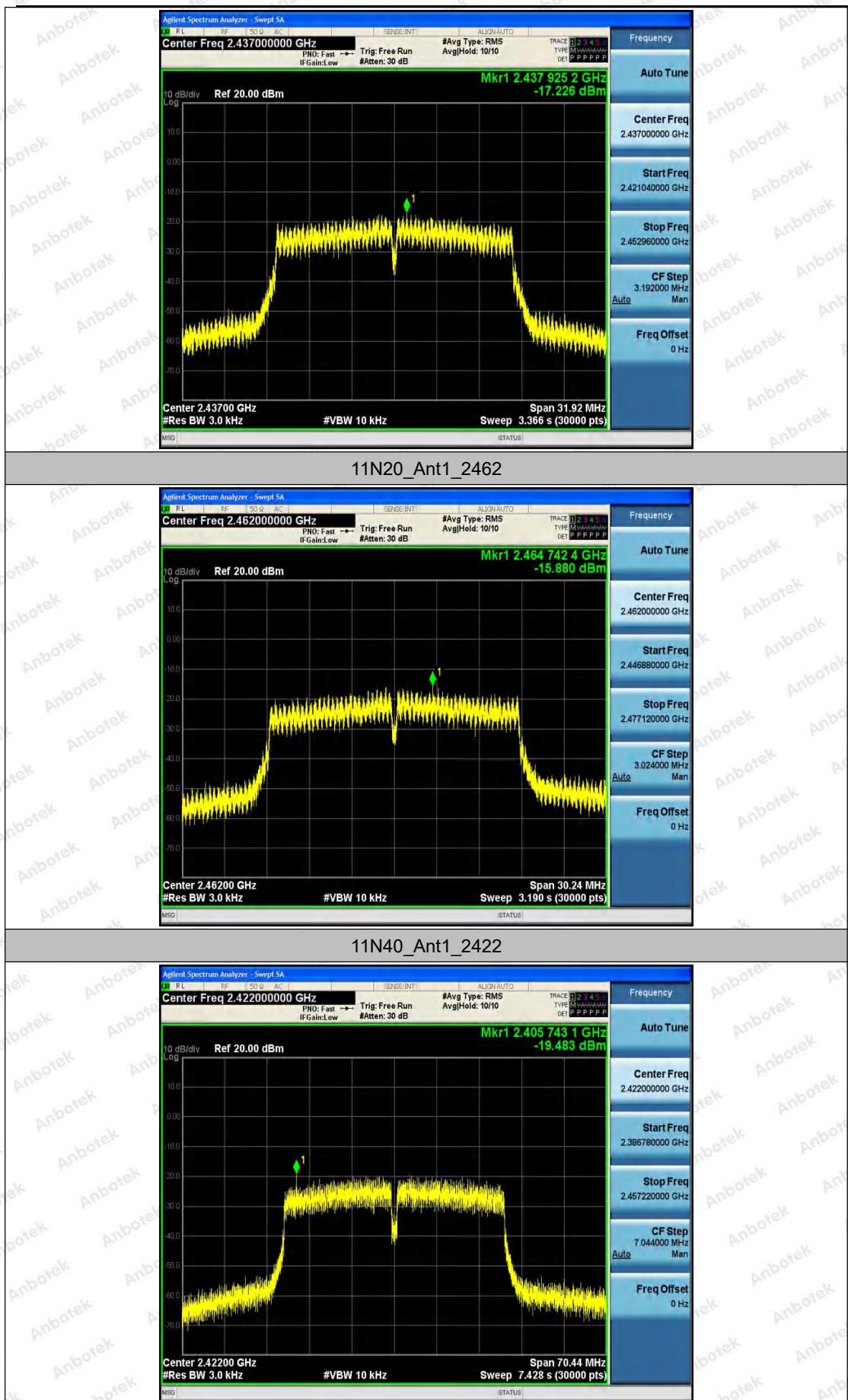
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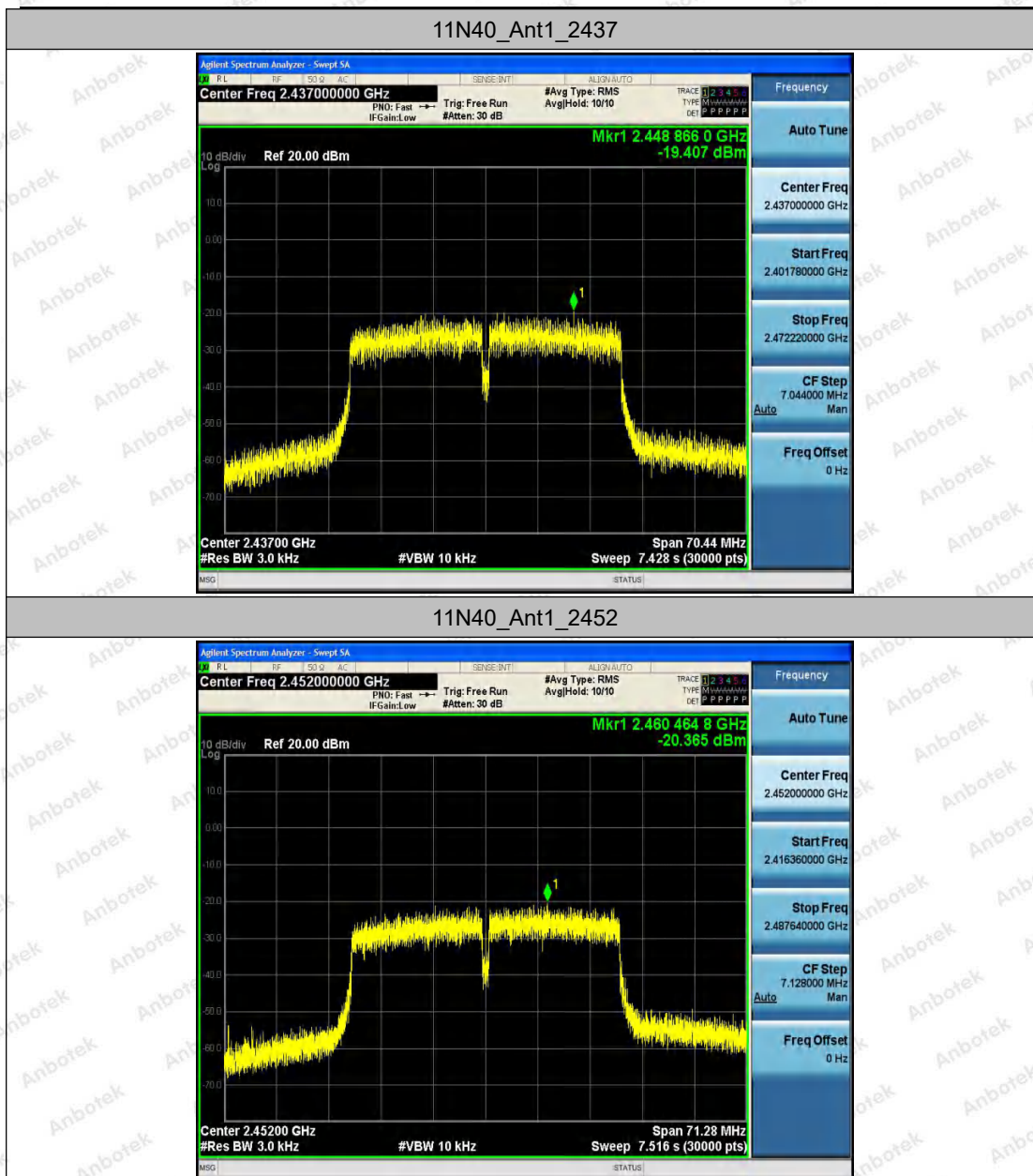


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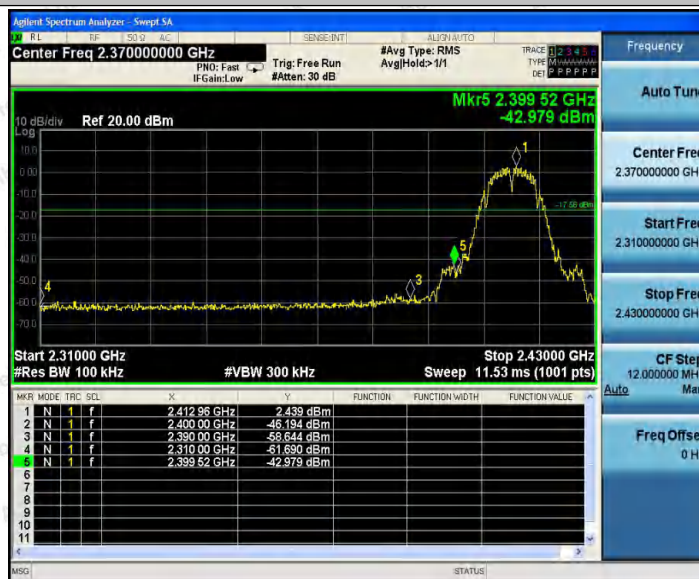
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.44	-42.98	≤ -17.56	PASS
		High	2462	0.19	-54.38	≤ -19.81	PASS
11G	Ant1	Low	2412	-4.71	-41.66	≤ -24.71	PASS
		High	2462	-2.71	-42.43	≤ -22.71	PASS
11N20	Ant1	Low	2412	-3.09	-41.66	≤ -23.09	PASS
		High	2462	-1.91	-37.78	≤ -21.91	PASS
11N40	Ant1	Low	2422	-5.19	-34.12	≤ -25.19	PASS
		High	2452	-6.06	-30.64	≤ -26.06	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



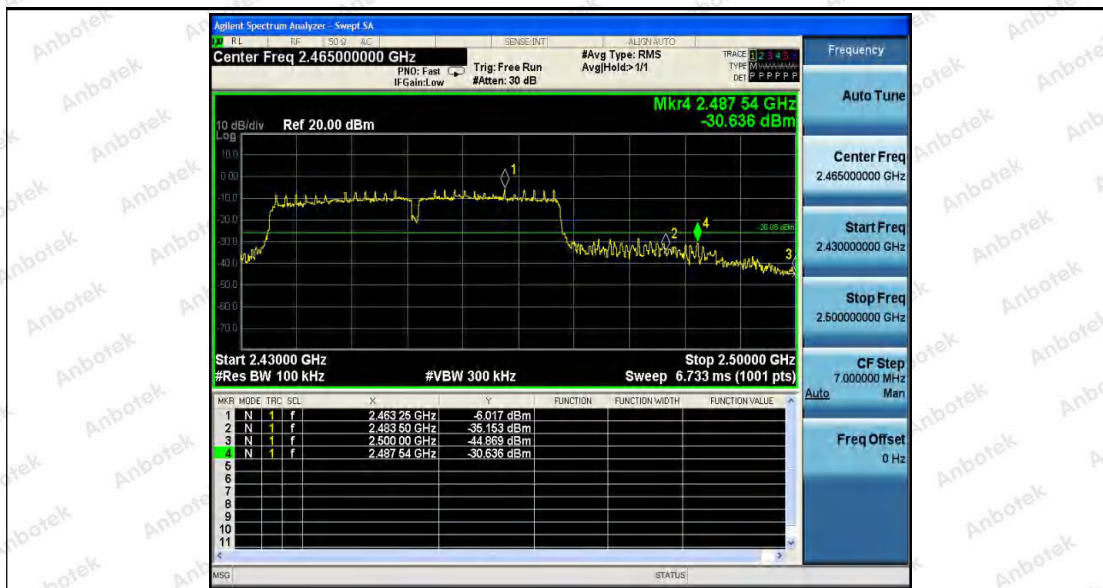
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-69.96	≤-17.75	PASS
			1000~26500	2.25	-35.25	≤-17.75	PASS
		2437	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-62.81	≤-19.25	PASS
			1000~26500	0.75	-38.82	≤-19.25	PASS
		2462	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-70.61	≤-19.83	PASS
			1000~26500	0.17	-45.28	≤-19.83	PASS
11G	Ant1	2412	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-70.69	≤-23.7	PASS
			1000~26500	-3.70	-51.24	≤-23.7	PASS
		2437	Reference	-3.14	-3.14	---	PASS
			30~1000	-3.14	-70.45	≤-23.14	PASS
			1000~26500	-3.14	-46.29	≤-23.14	PASS
		2462	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-70.78	≤-23.16	PASS
			1000~26500	-3.16	-54.62	≤-23.16	PASS
11N20	Ant1	2412	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-71	≤-24.38	PASS
			1000~26500	-4.38	-49.5	≤-24.38	PASS
		2437	Reference	-3.02	-3.02	---	PASS
			30~1000	-3.02	-69.63	≤-23.02	PASS
			1000~26500	-3.02	-51.48	≤-23.02	PASS
		2462	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-56.78	≤-22.78	PASS
			1000~26500	-2.78	-55.79	≤-22.78	PASS
11N40	Ant1	2422	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-60.01	≤-25.59	PASS
			1000~26500	-5.59	-48.29	≤-25.59	PASS
		2437	Reference	-5.82	-5.82	---	PASS
			30~1000	-5.82	-69.32	≤-25.82	PASS
			1000~26500	-5.82	-53.58	≤-25.82	PASS
		2452	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-66.85	≤-25.98	PASS
			1000~26500	-5.98	-43.17	≤-25.98	PASS

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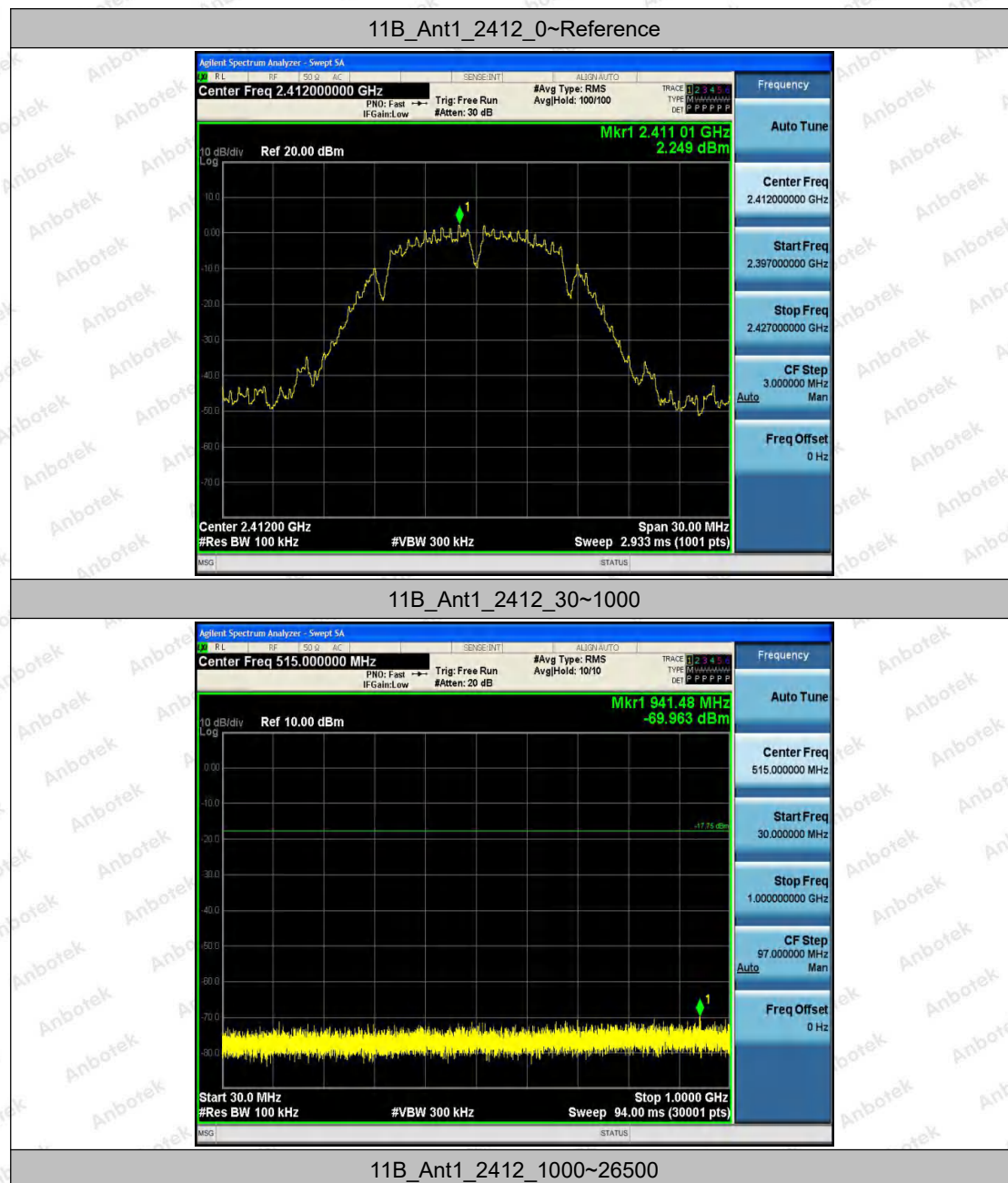


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Test Graphs

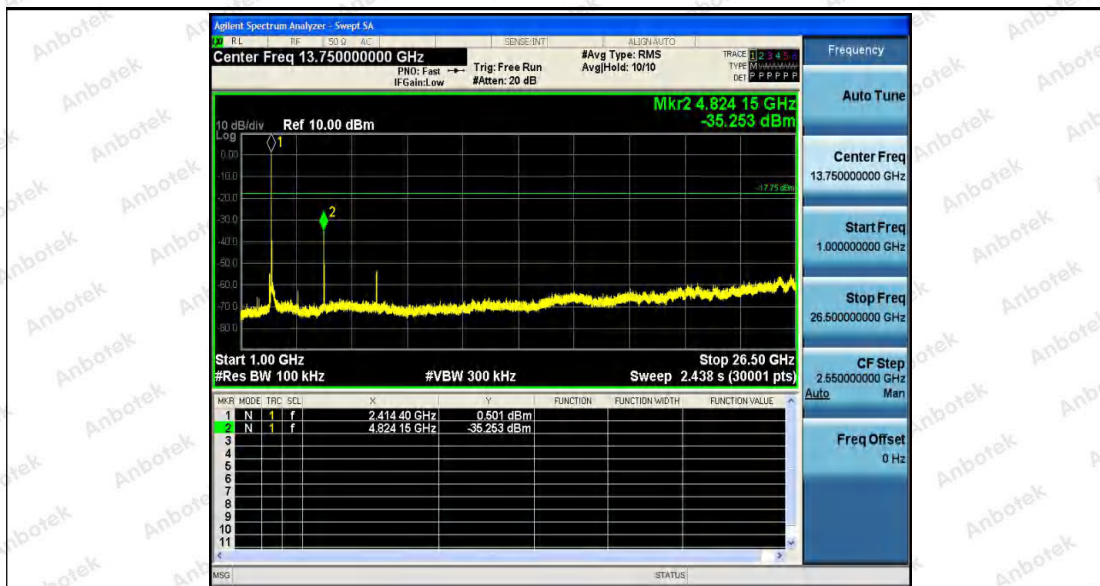


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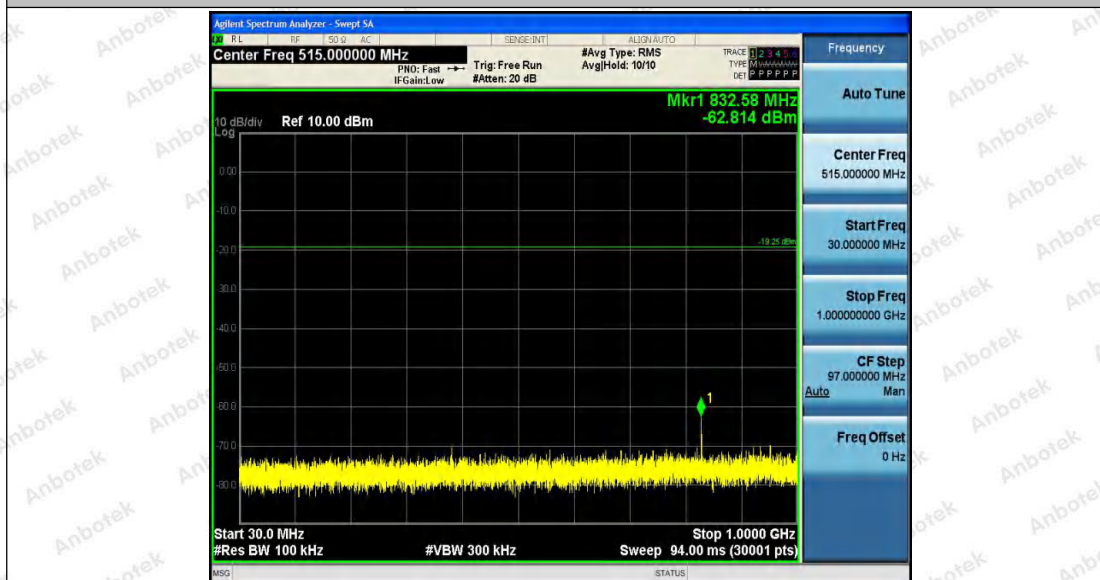
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



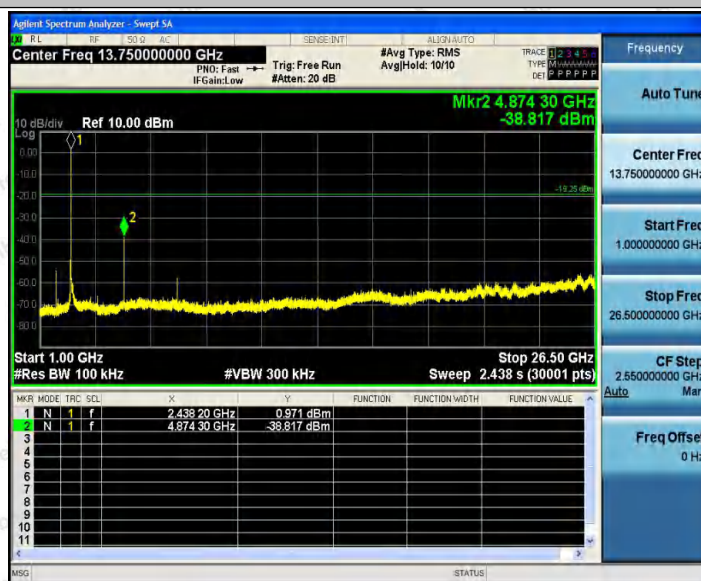
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



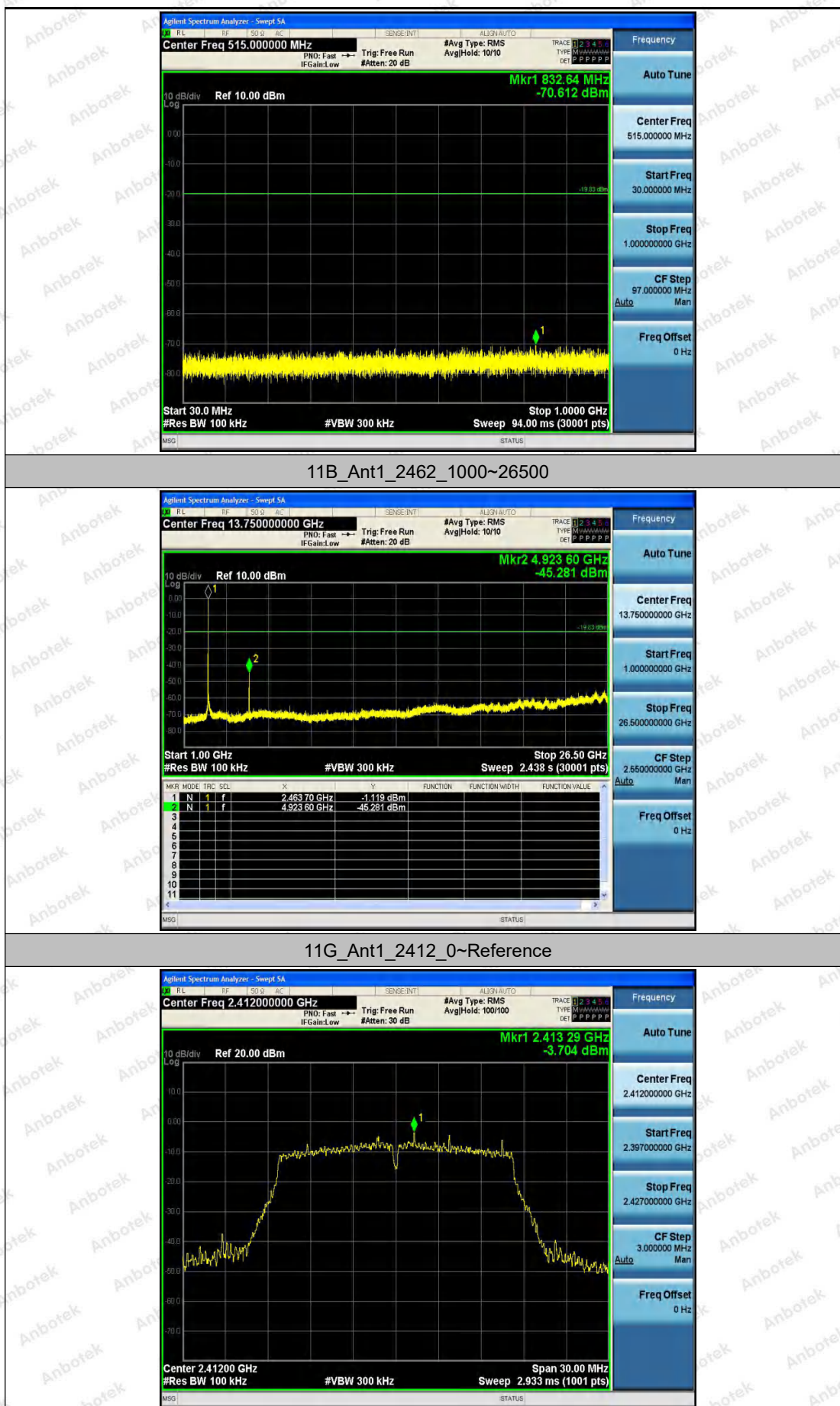
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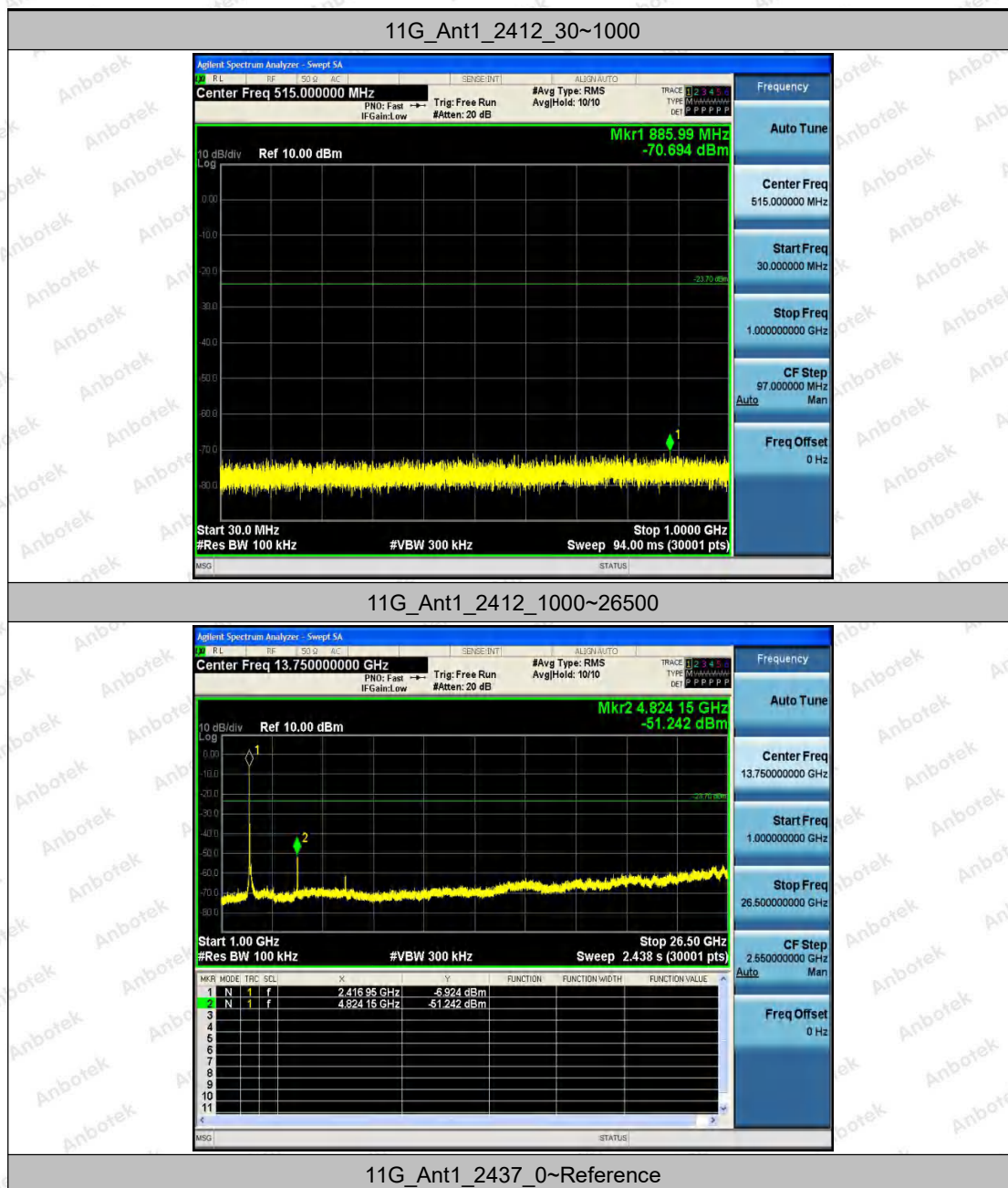


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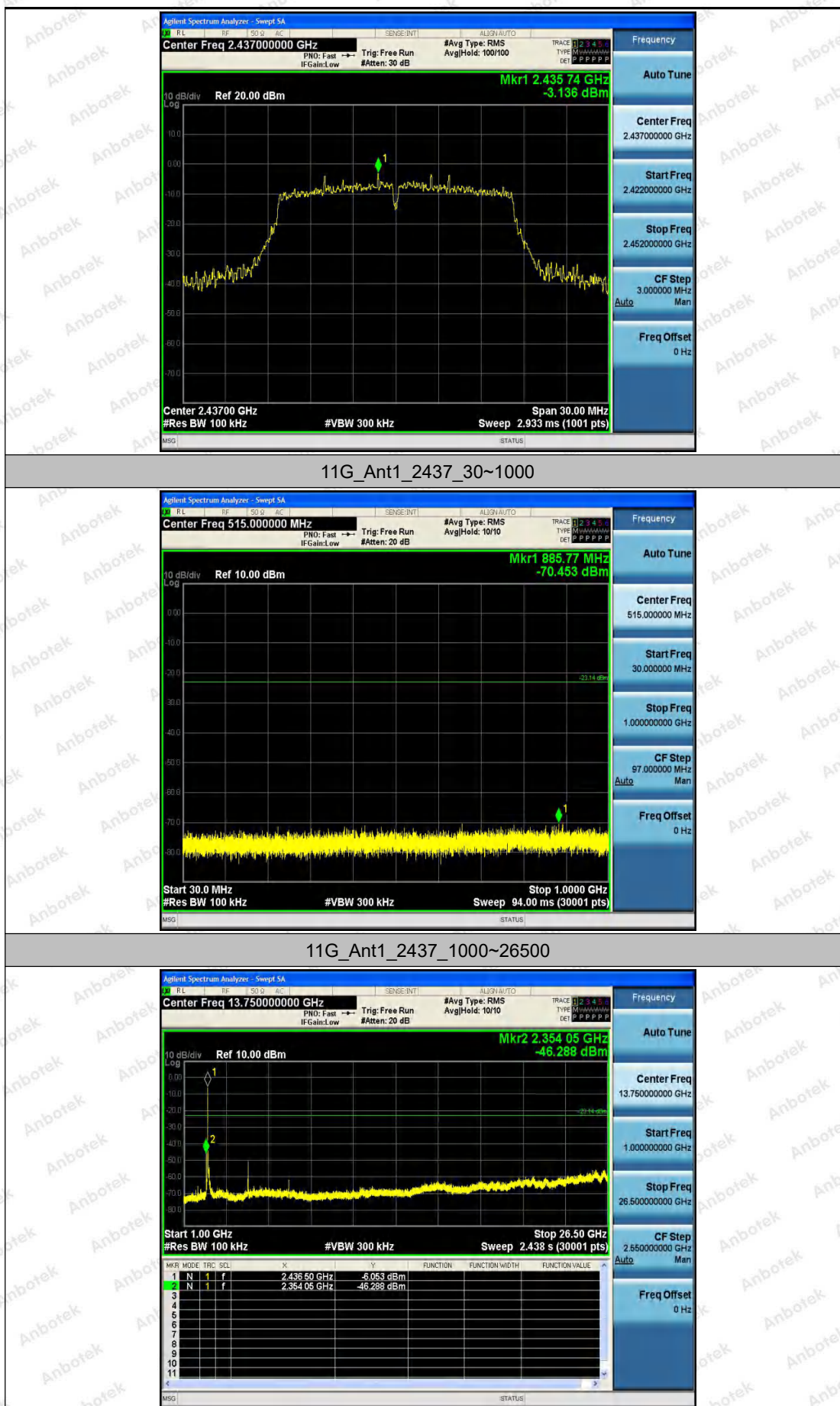


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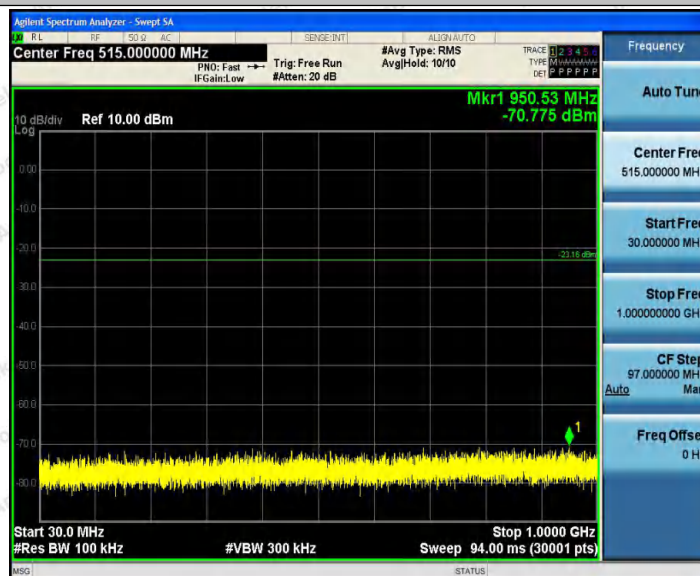
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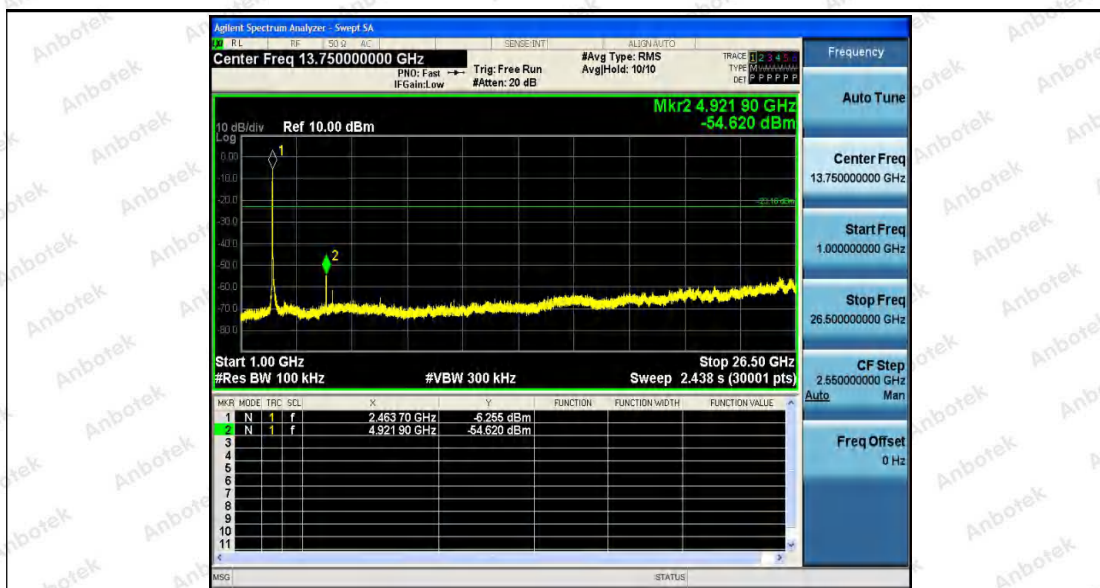
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11G_Ant1_2462_30~1000



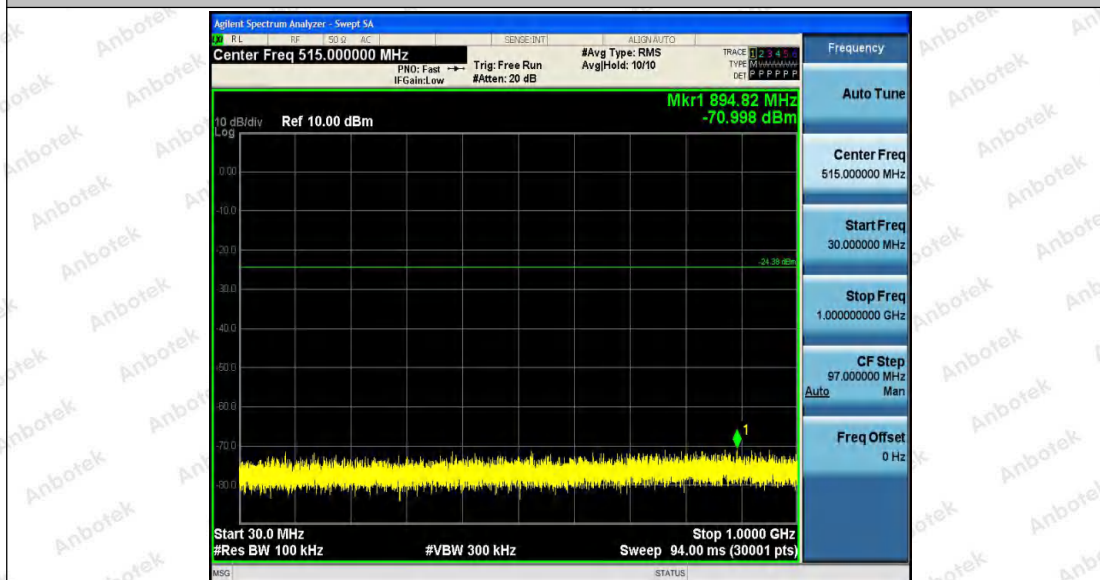
11G_Ant1_2462_1000~26500



11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



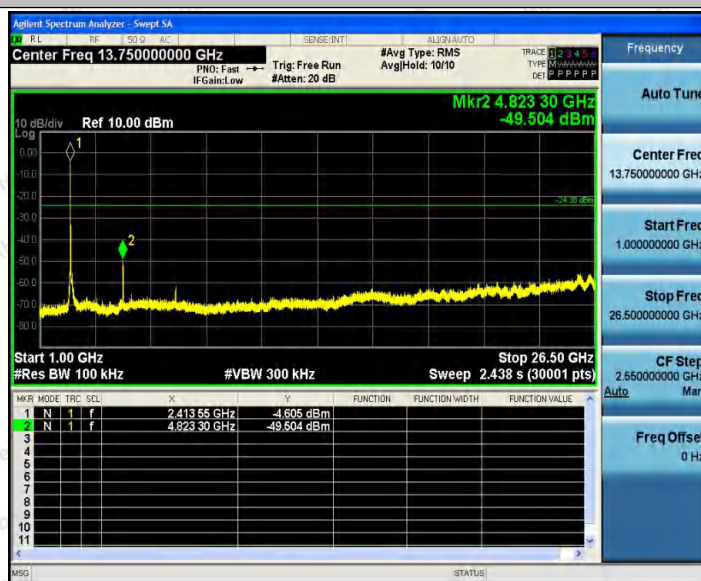
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



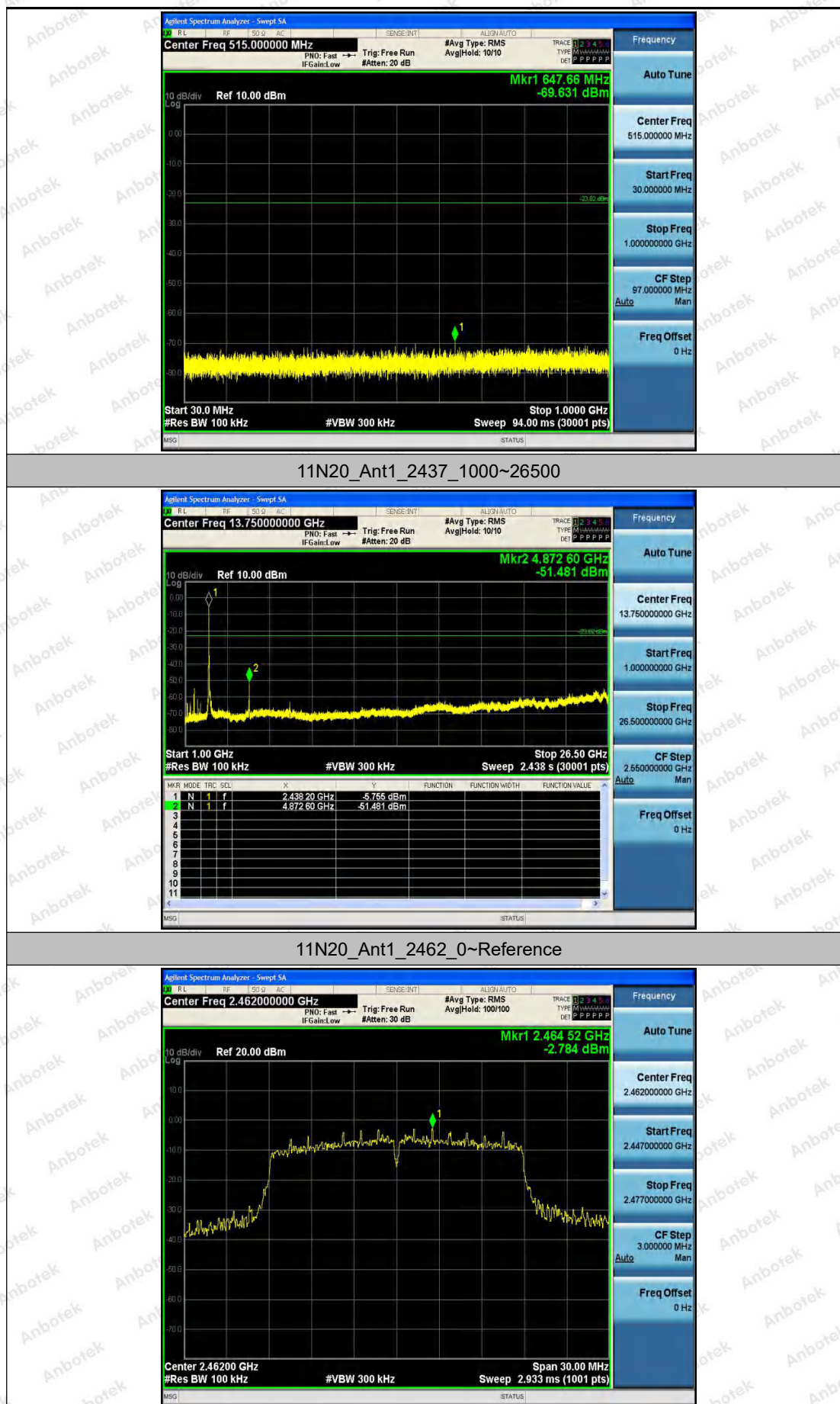
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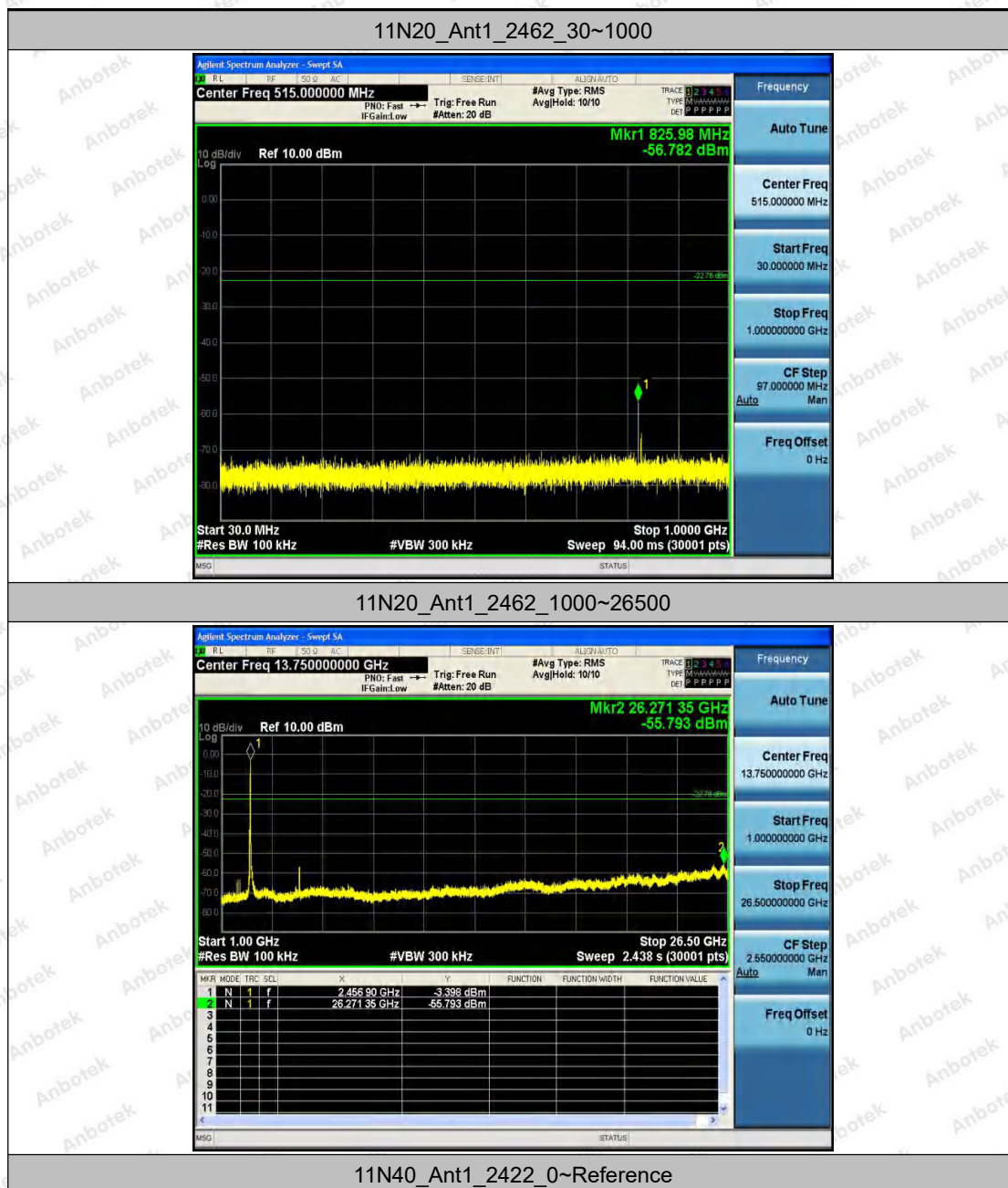


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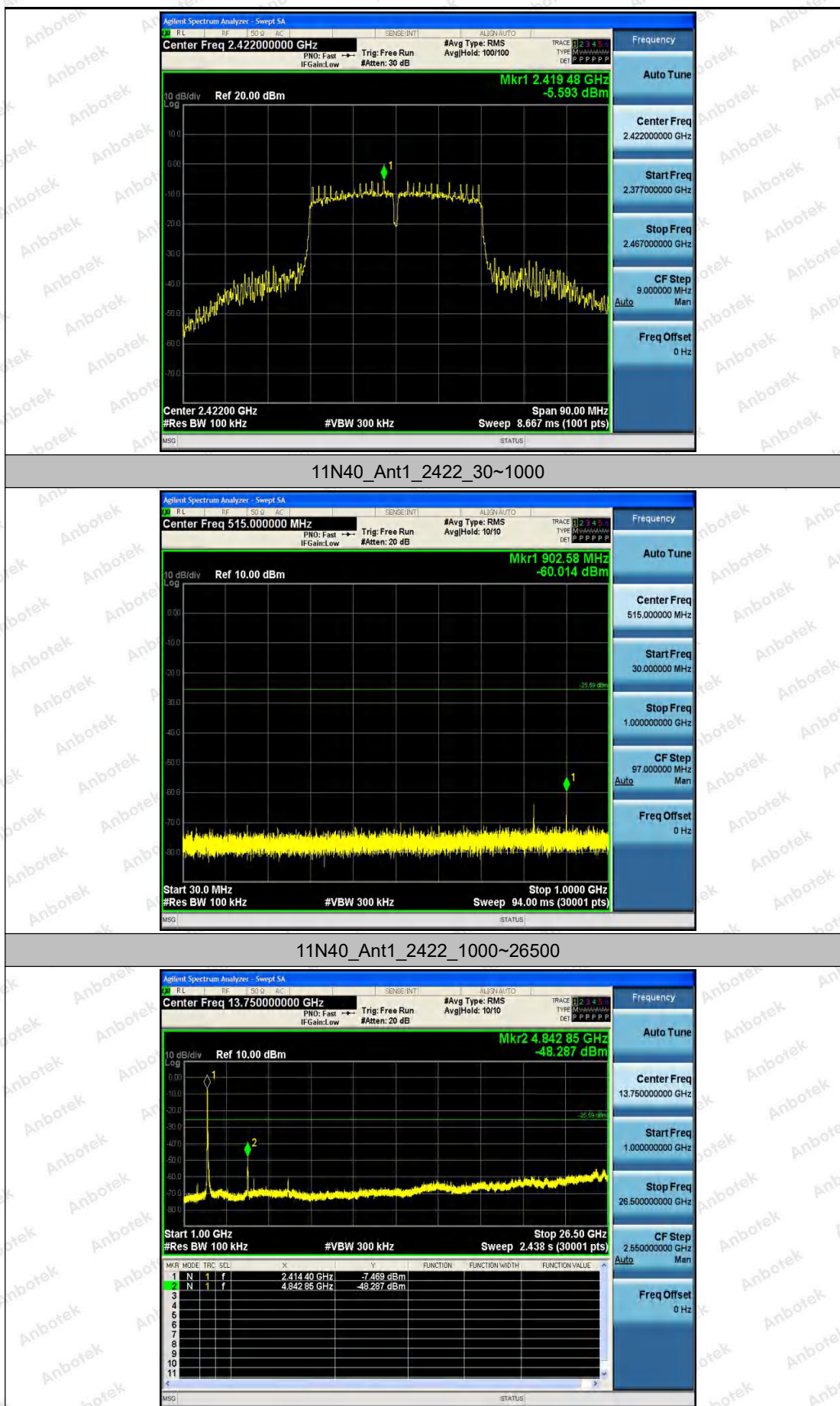


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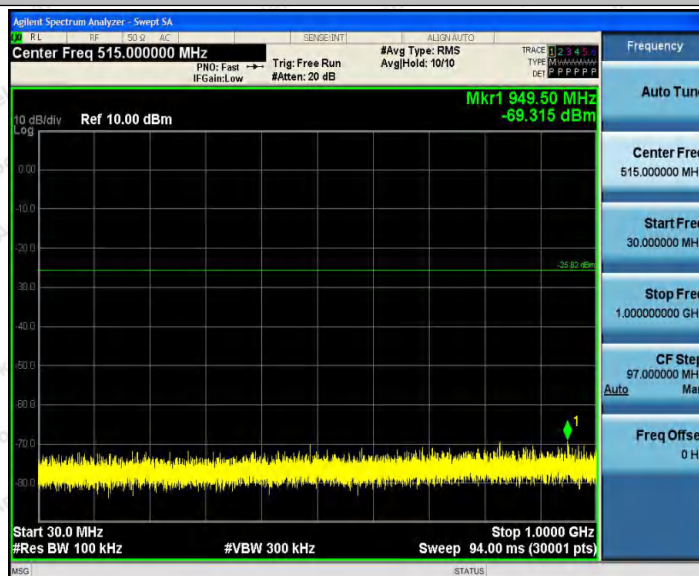
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11N40_Ant1_2437_0~Reference



11N40_Ant1_2437_30~1000



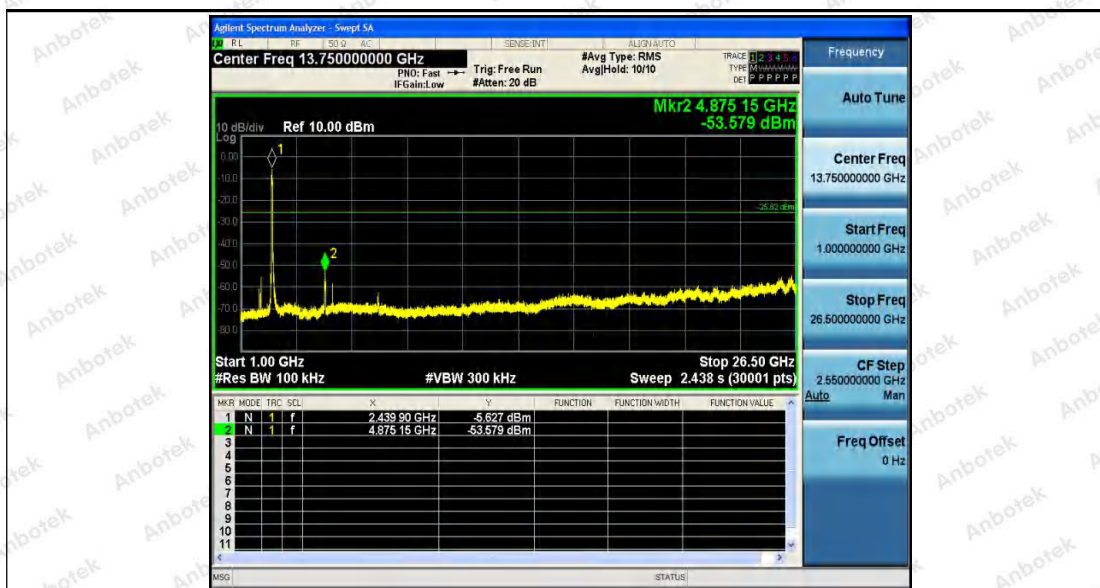
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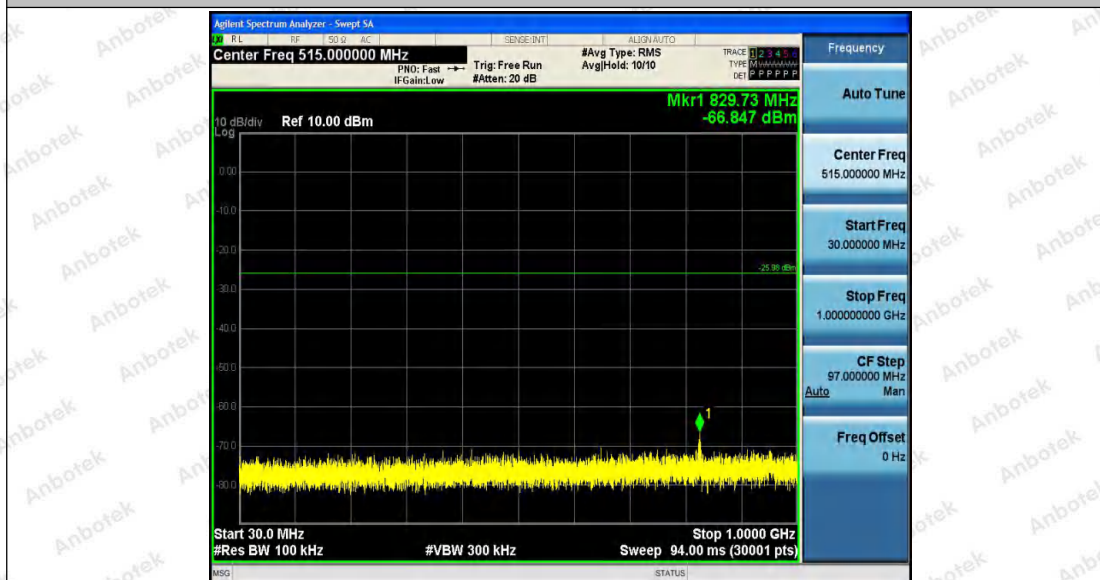
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11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

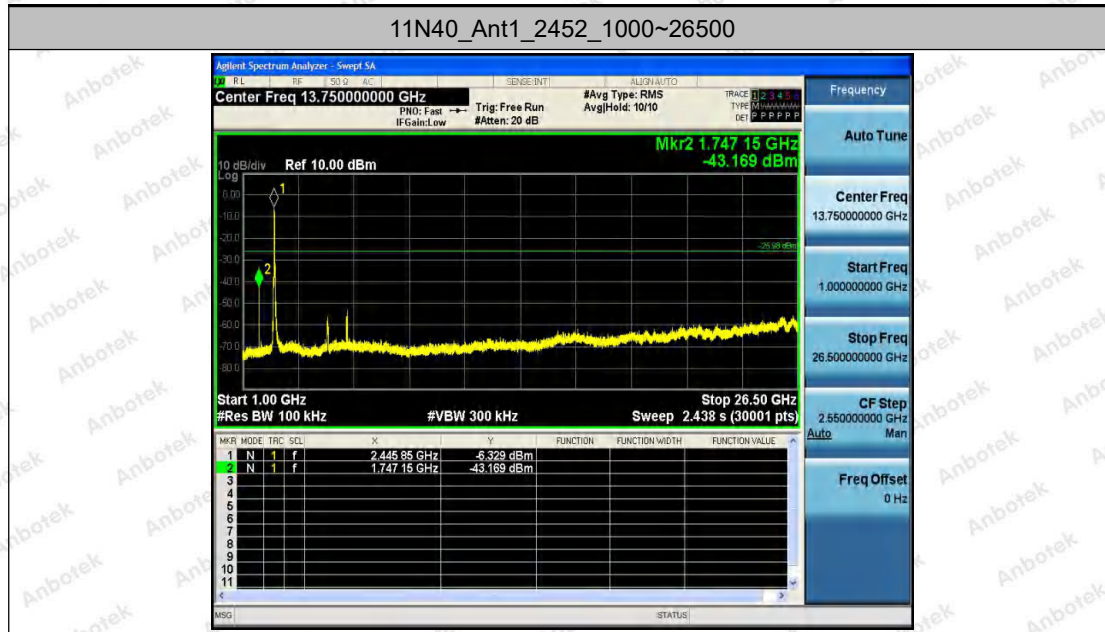


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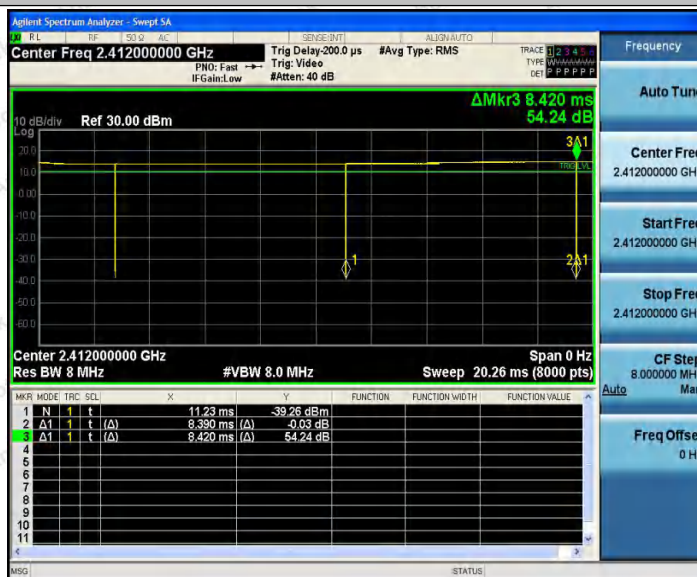
Appendix G: Duty Cycle

Test Result

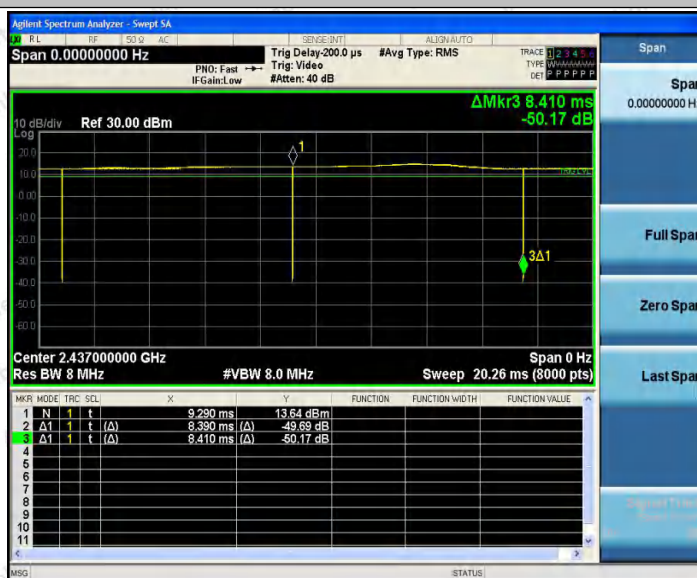
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.39	8.41	99.76	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.42	97.89	---	PASS
		2462	1.39	1.42	97.89	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.33	97.74	---	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	0.58	0.62	93.55	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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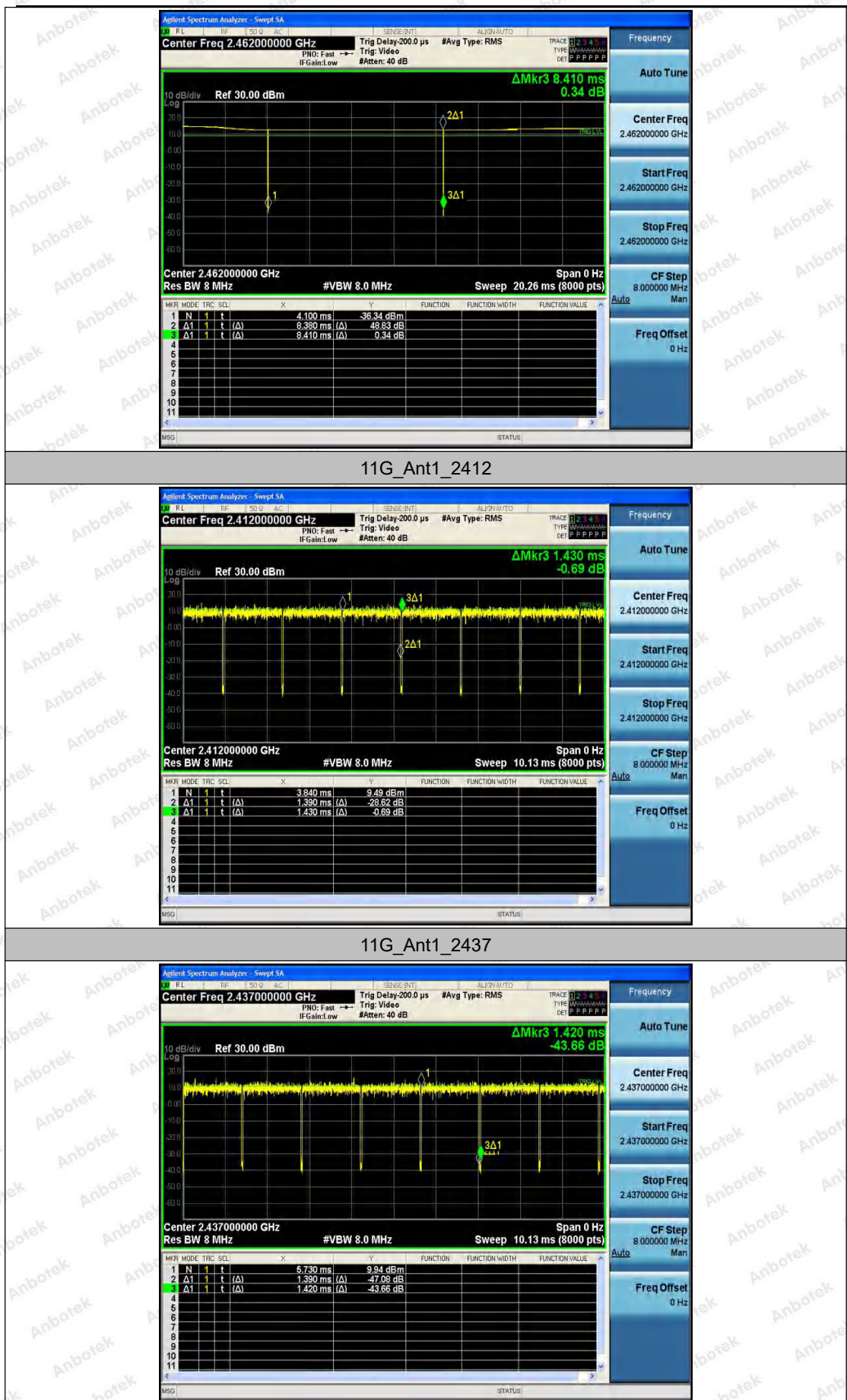
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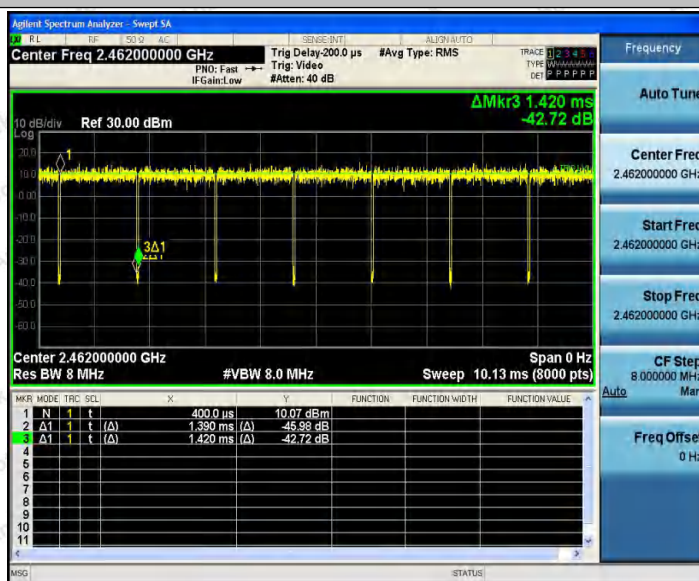
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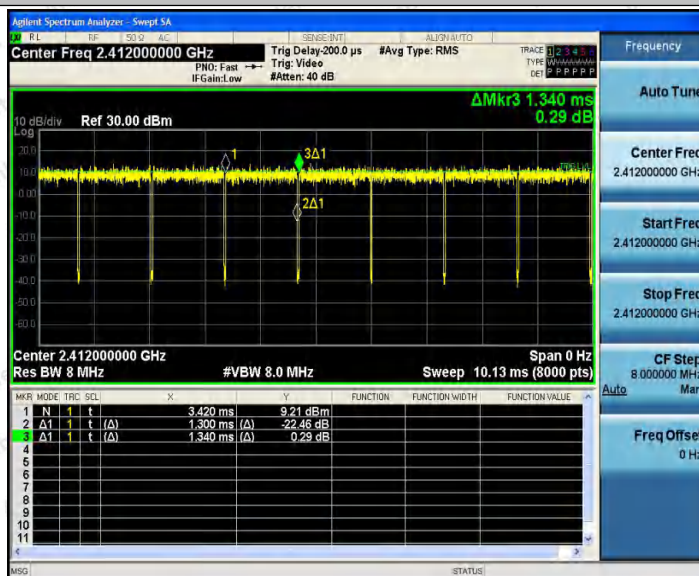
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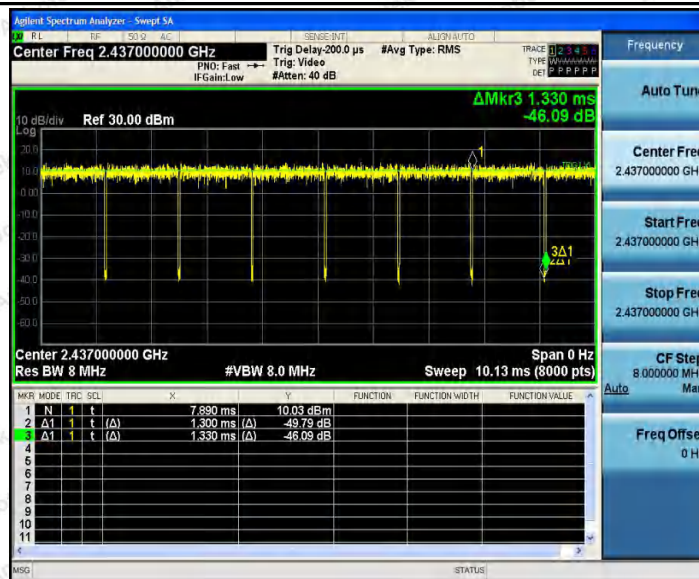
11G_Ant1_2462



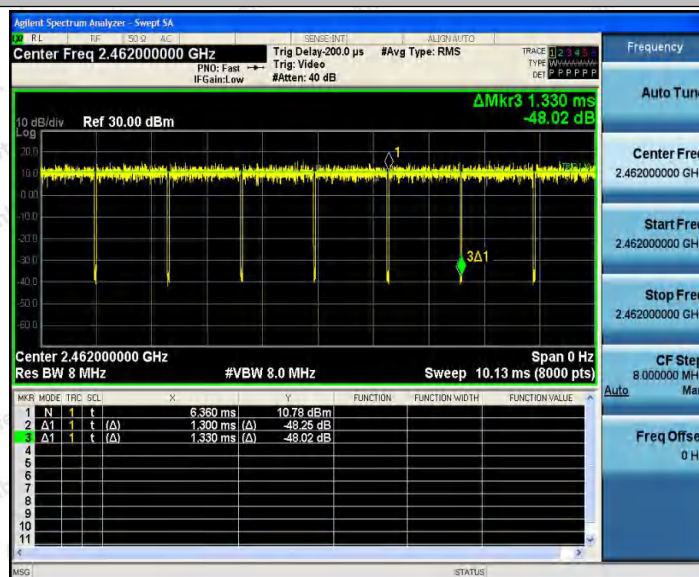
11N20_Ant1_2412



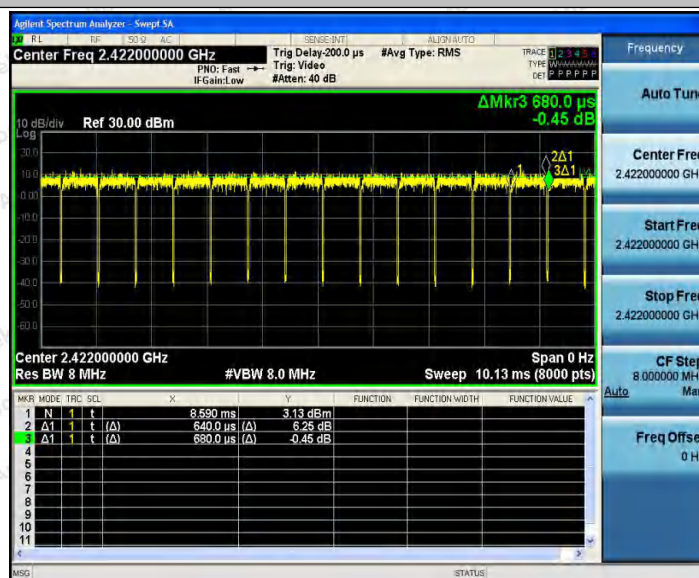
11N20_Ant1_2437



11N20_Ant1_2462



11N40_Ant1_2422

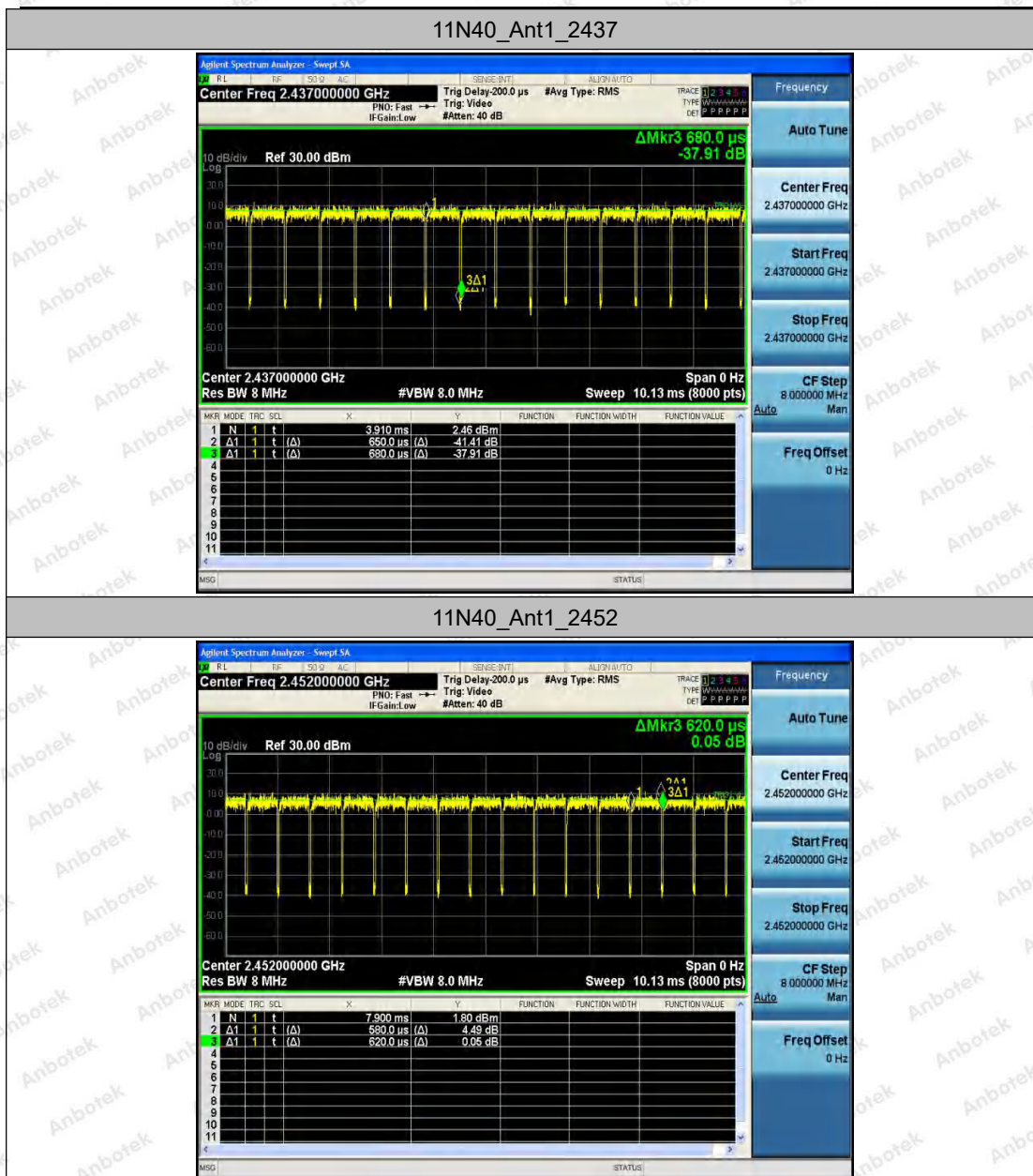


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