

Appendix Test Data

Report No.:	18220WC10289401	Test Sample No.:	1-2-2
Start Test Date:	2021.12.29	Finish Test Date:	2022.1.5
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

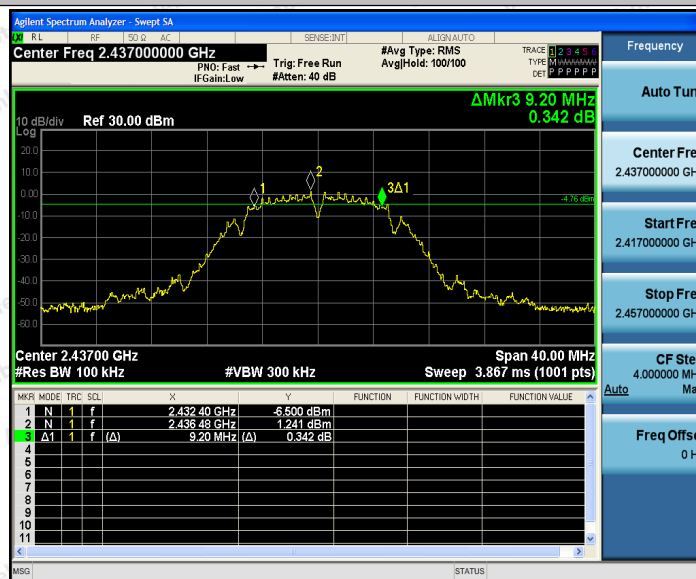
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.200	2407.400	2416.600	≥0.5	PASS
		2437	9.200	2432.400	2441.600	≥0.5	PASS
		2462	8.640	2457.920	2466.560	≥0.5	PASS
11G	Ant1	2412	15.080	2404.440	2419.520	≥0.5	PASS
		2437	15.400	2429.400	2444.800	≥0.5	PASS
		2462	15.120	2455.080	2470.200	≥0.5	PASS
11N20	Ant1	2412	15.760	2404.400	2420.160	≥0.5	PASS
		2437	16.280	2428.800	2445.080	≥0.5	PASS
		2462	15.320	2455.440	2470.760	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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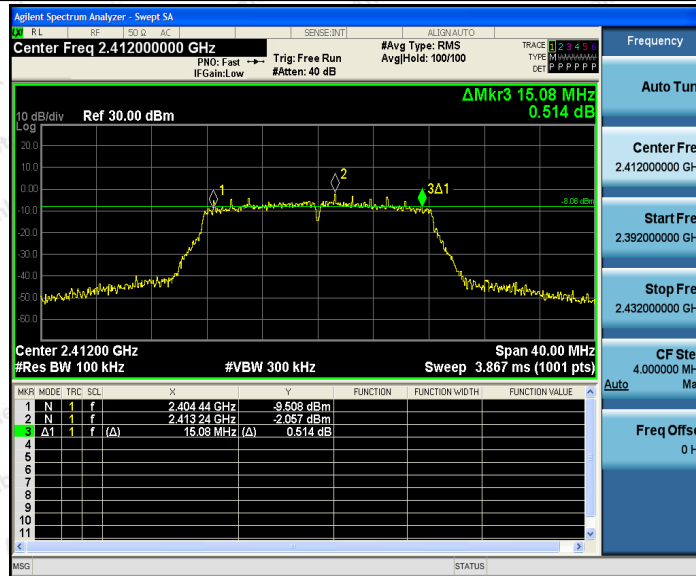
Hotline

400-003-0500

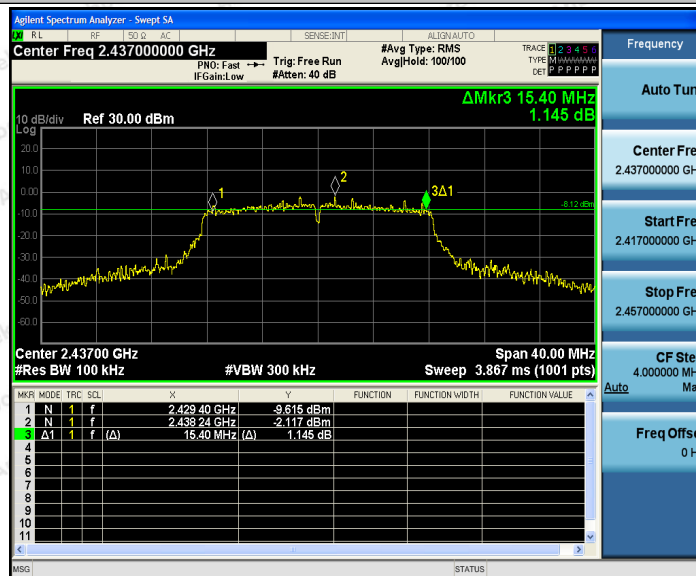
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11G_Ant1_2412



11G_Ant1_2437



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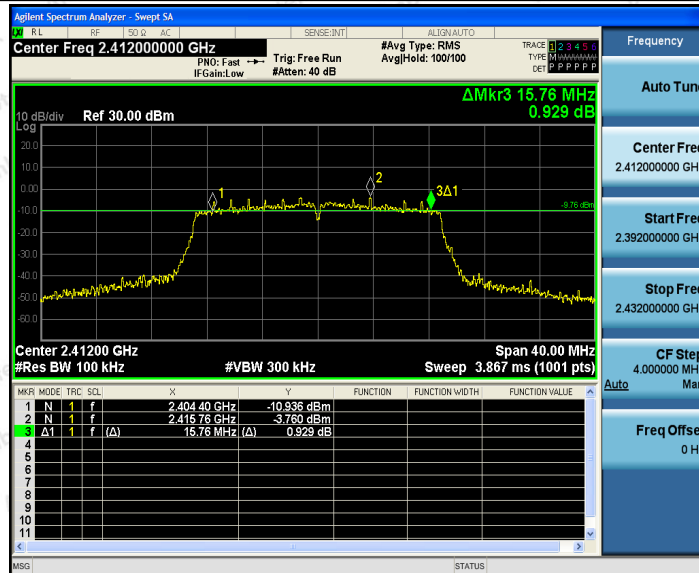
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11G_Ant1_2462



11N20_Ant1_2412



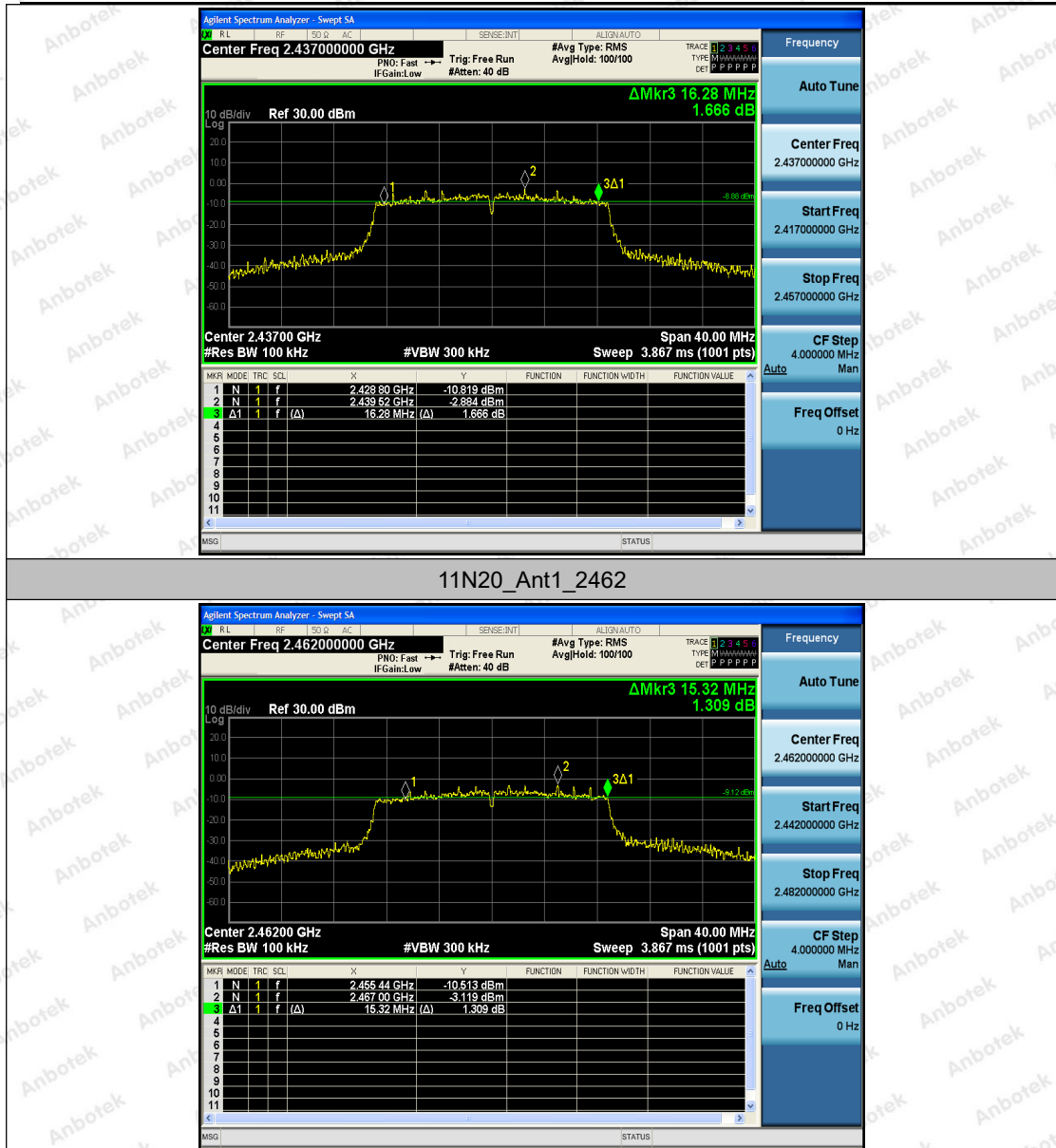
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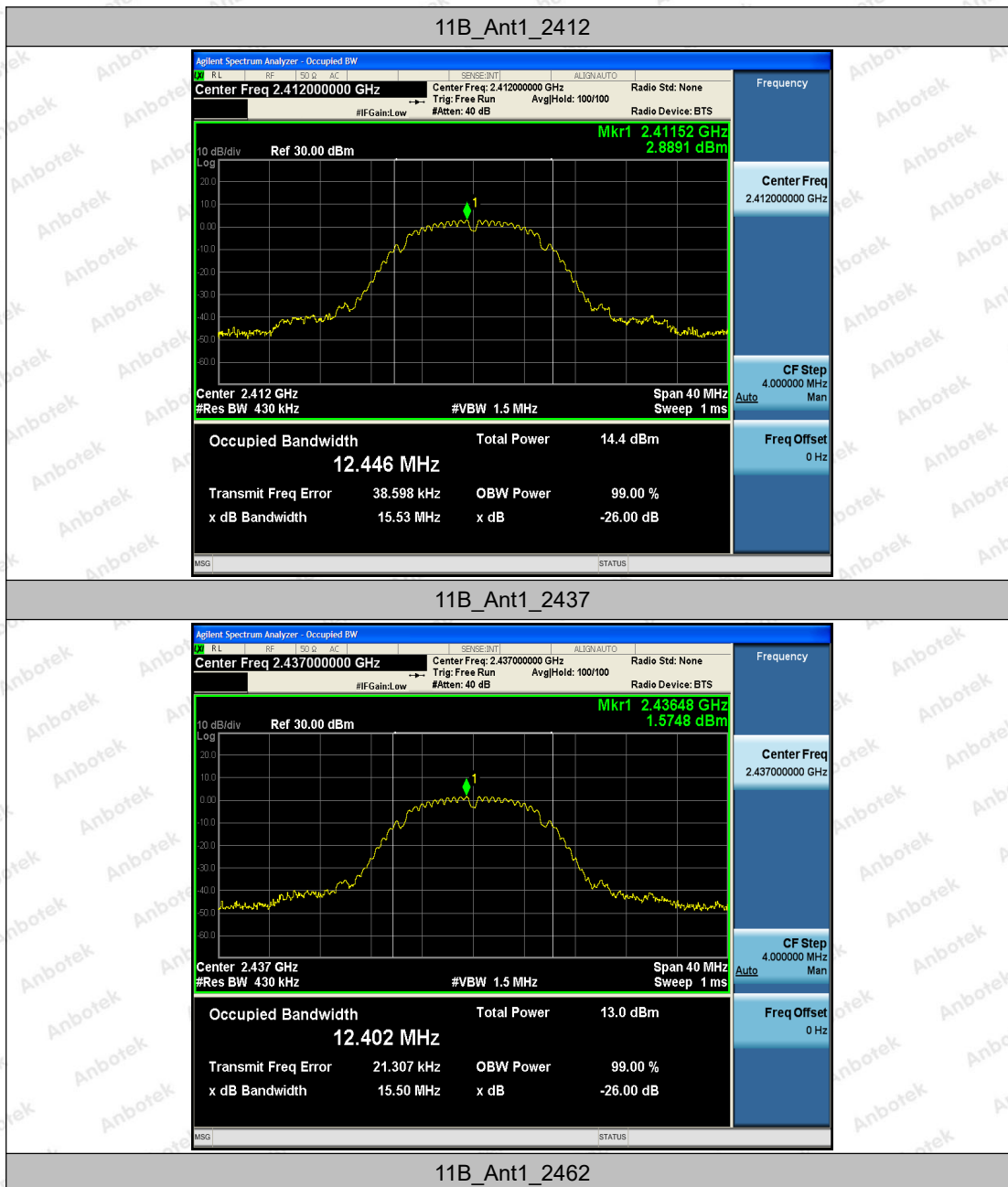
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.446	2405.816	2418.262	---	PASS
		2437	12.402	2430.820	2443.222	---	PASS
		2462	12.401	2455.909	2468.310	---	PASS
11G	Ant1	2412	16.751	2403.648	2420.399	---	PASS
		2437	17.008	2428.472	2445.480	---	PASS
		2462	17.212	2453.569	2470.781	---	PASS
11N20	Ant1	2412	17.799	2403.121	2420.920	---	PASS
		2437	17.842	2428.090	2445.932	---	PASS
		2462	18.053	2453.129	2471.182	---	PASS

Test Graphs

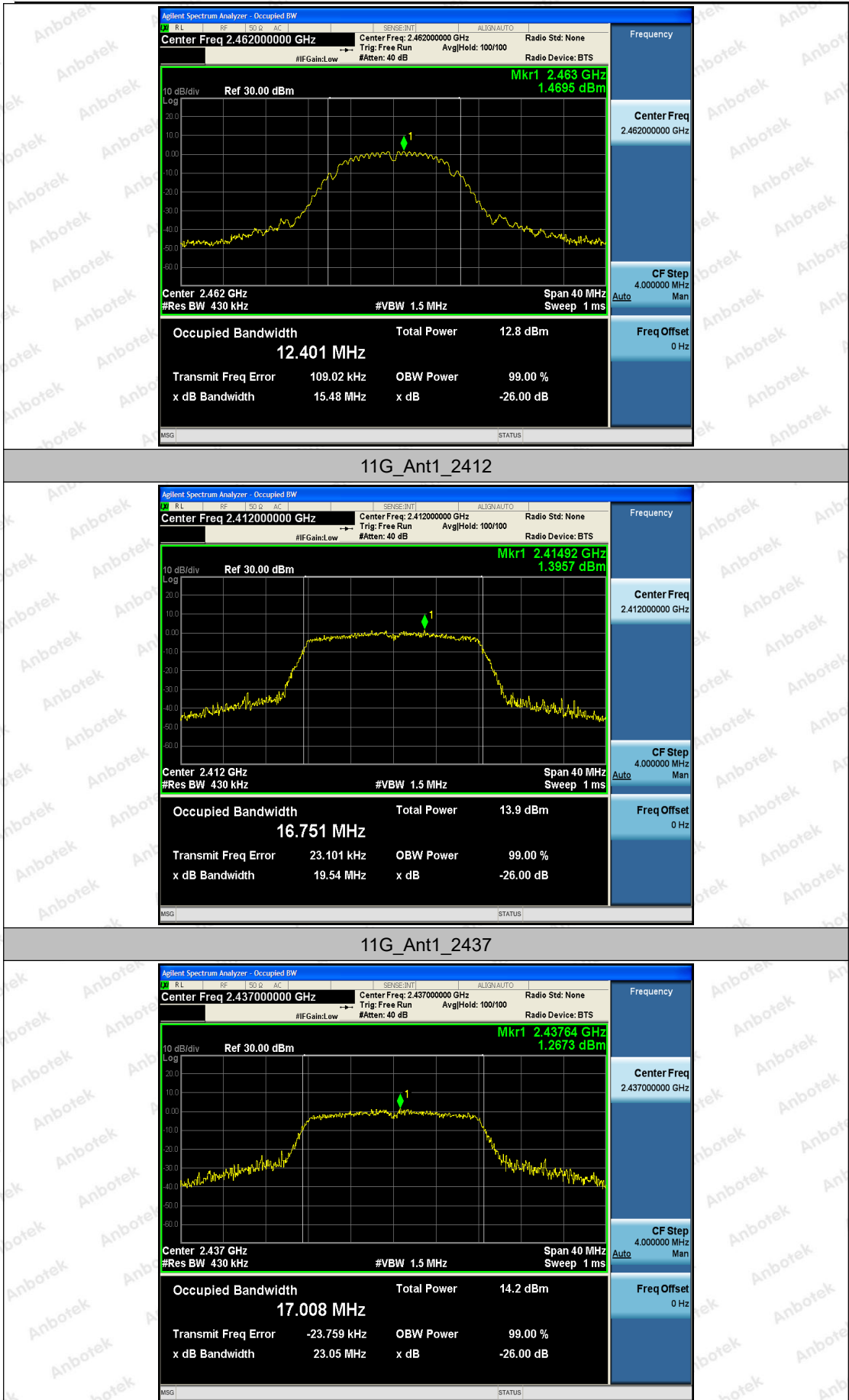


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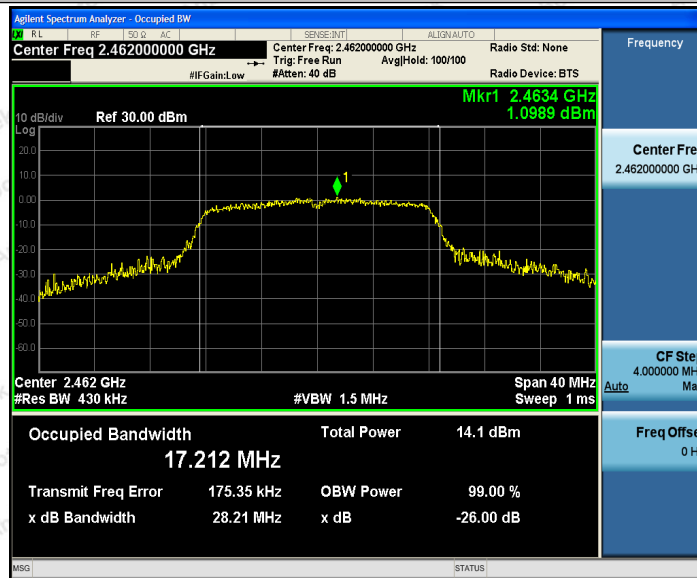
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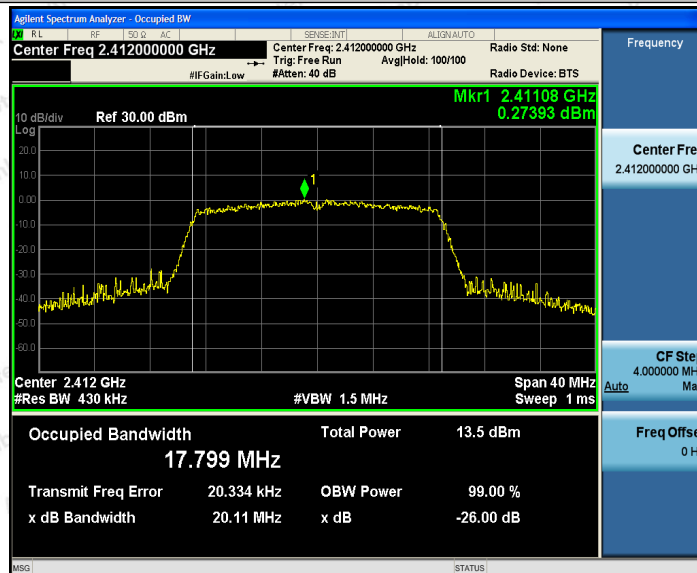
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11G_Ant1_2462



11N20_Ant1_2412



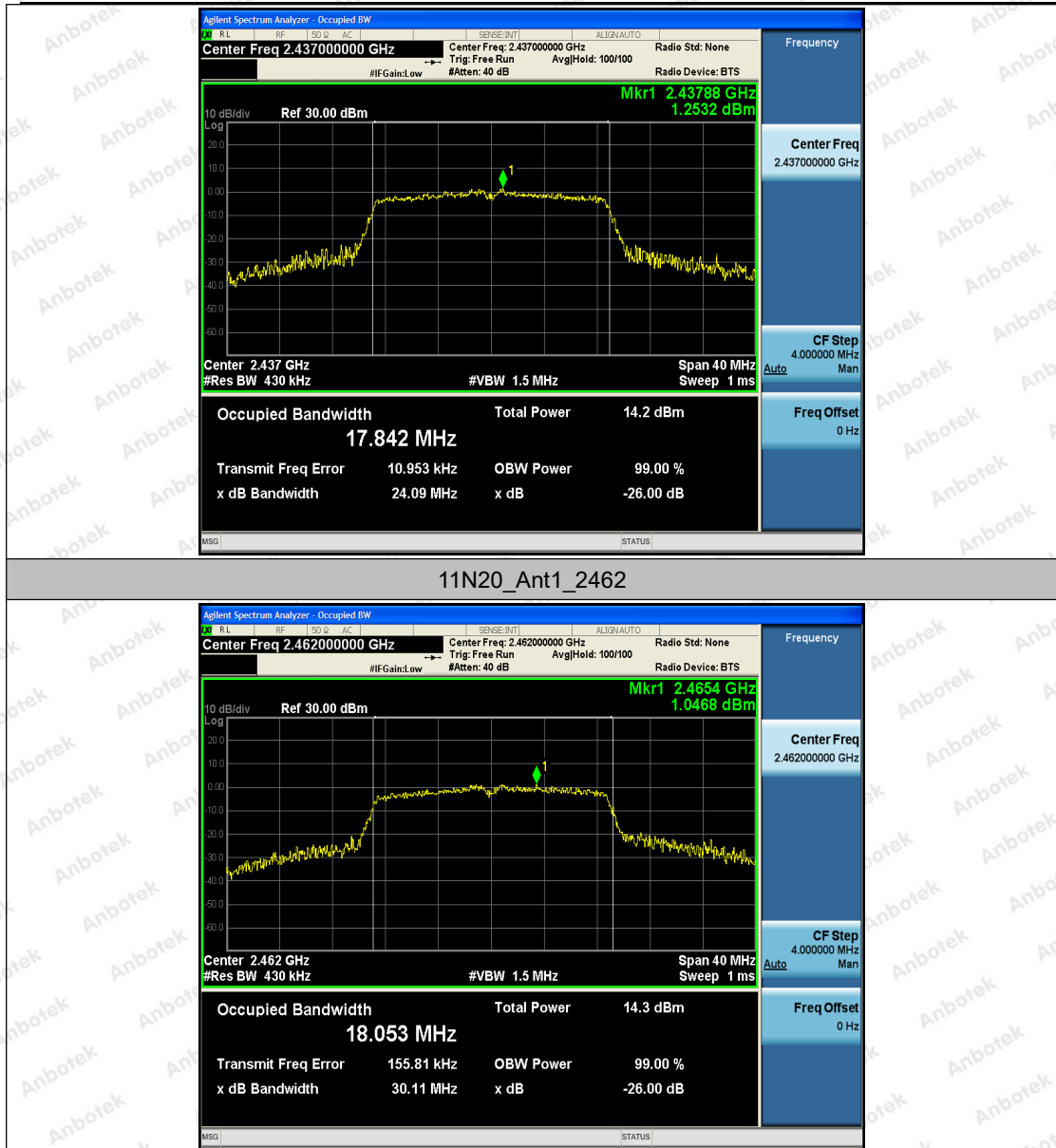
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Appendix C: Maximum conducted output power

Test Result

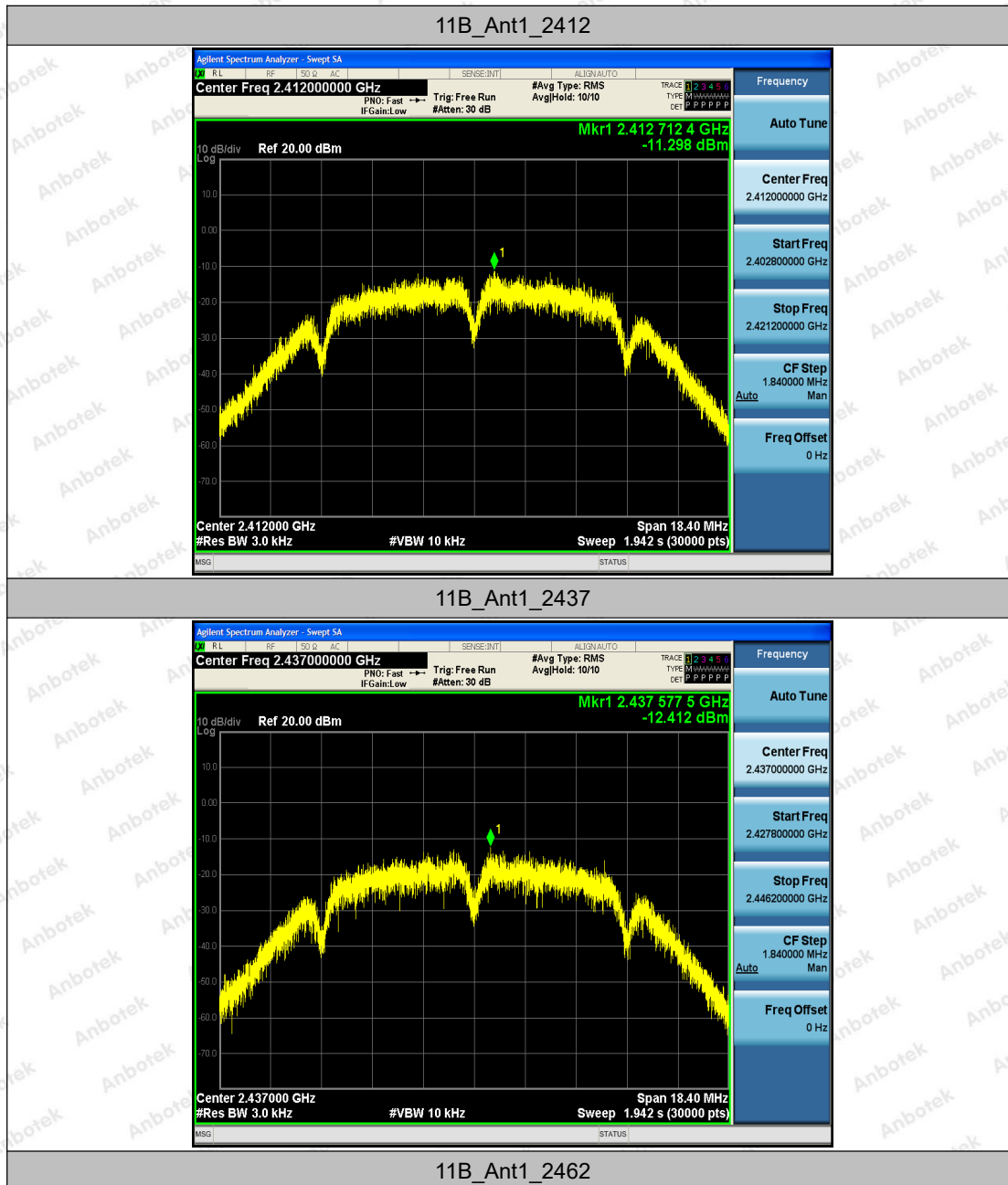
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.33	≤30	PASS
		2437	13.03	≤30	PASS
		2462	13.09	≤30	PASS
11G	Ant1	2412	14.84	≤30	PASS
		2437	15.52	≤30	PASS
		2462	15.79	≤30	PASS
11N20	Ant1	2412	14.73	≤30	PASS
		2437	15.44	≤30	PASS
		2462	15.39	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.3	≤8	PASS
		2437	-12.41	≤8	PASS
		2462	-12.49	≤8	PASS
11G	Ant1	2412	-16.82	≤8	PASS
		2437	-16.32	≤8	PASS
		2462	-15.09	≤8	PASS
11N20	Ant1	2412	-17.3	≤8	PASS
		2437	-15.13	≤8	PASS
		2462	-15.58	≤8	PASS

Test Graphs

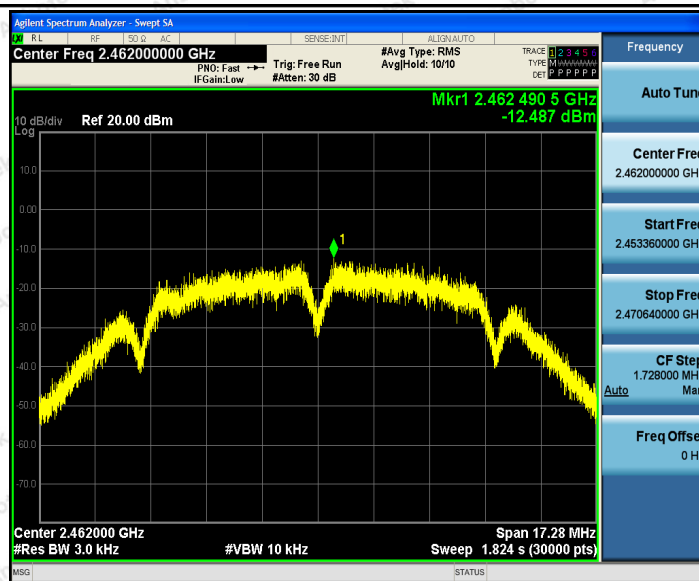


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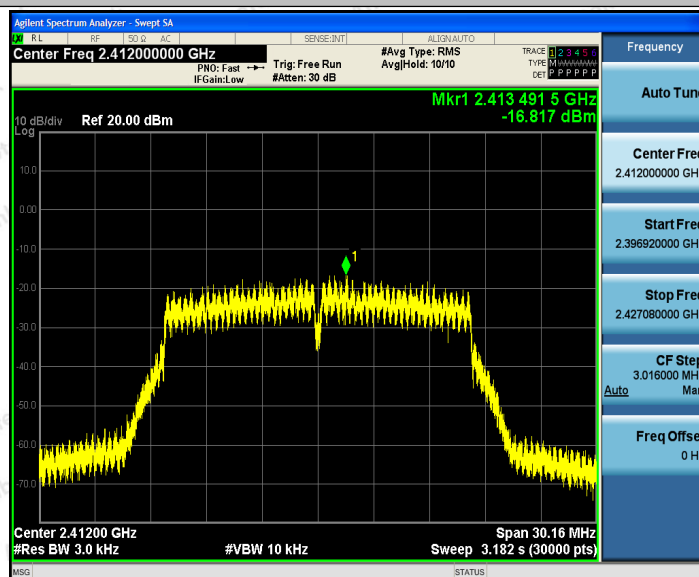
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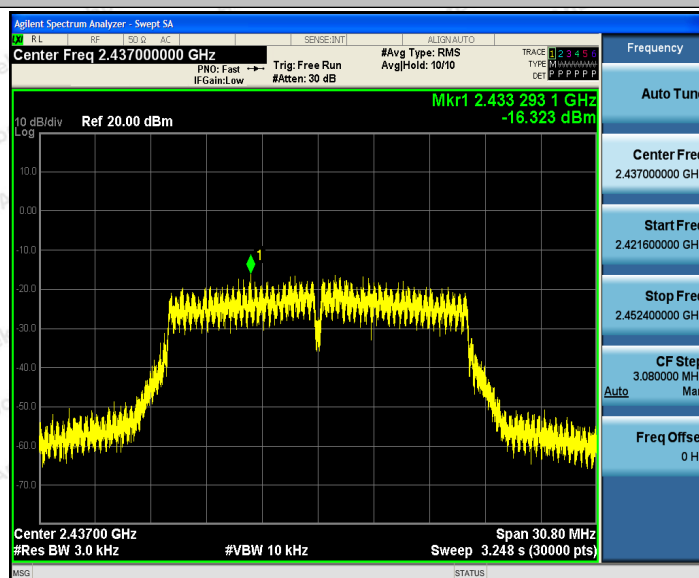
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11G_Ant1_2412



11G_Ant1_2437

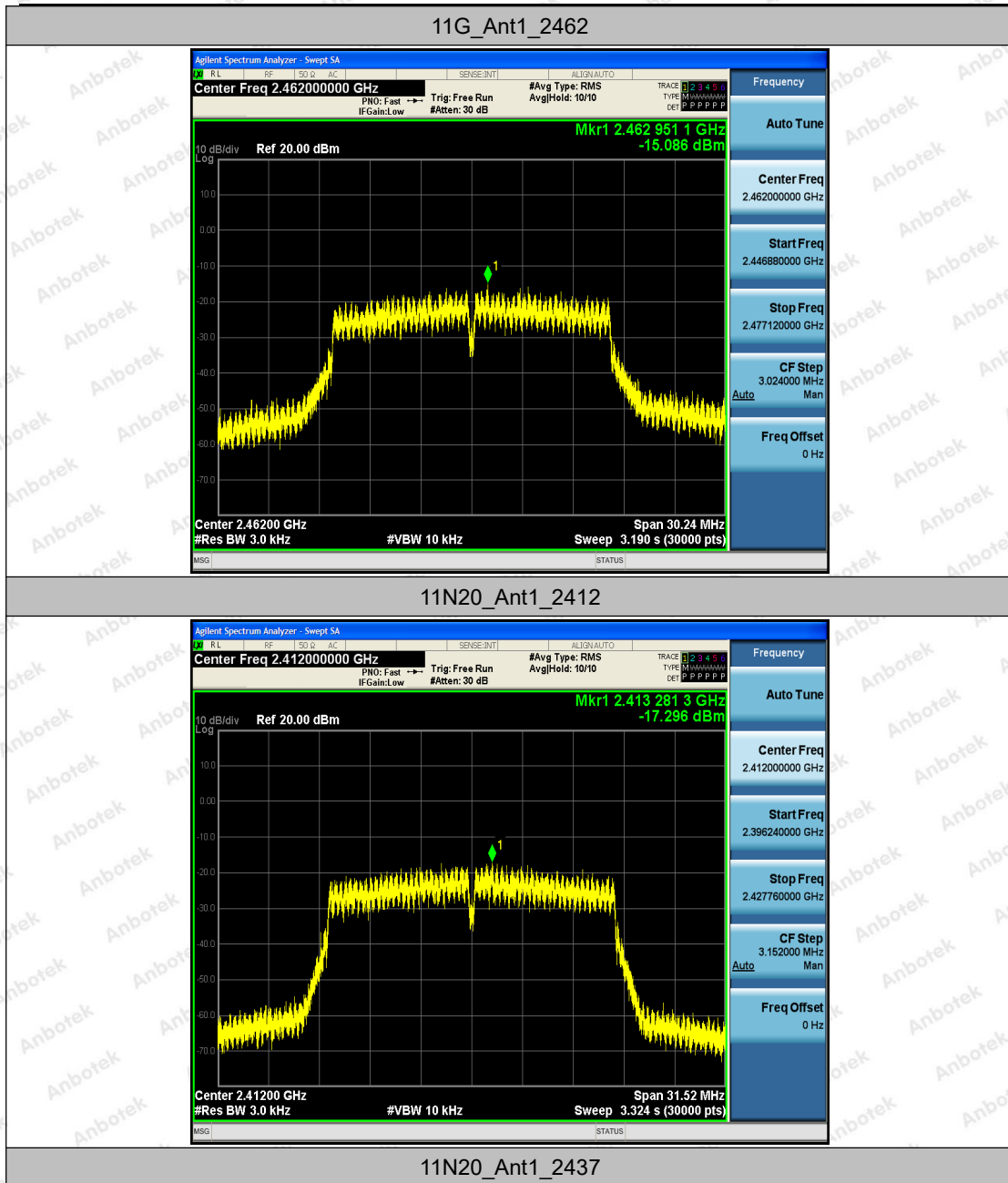


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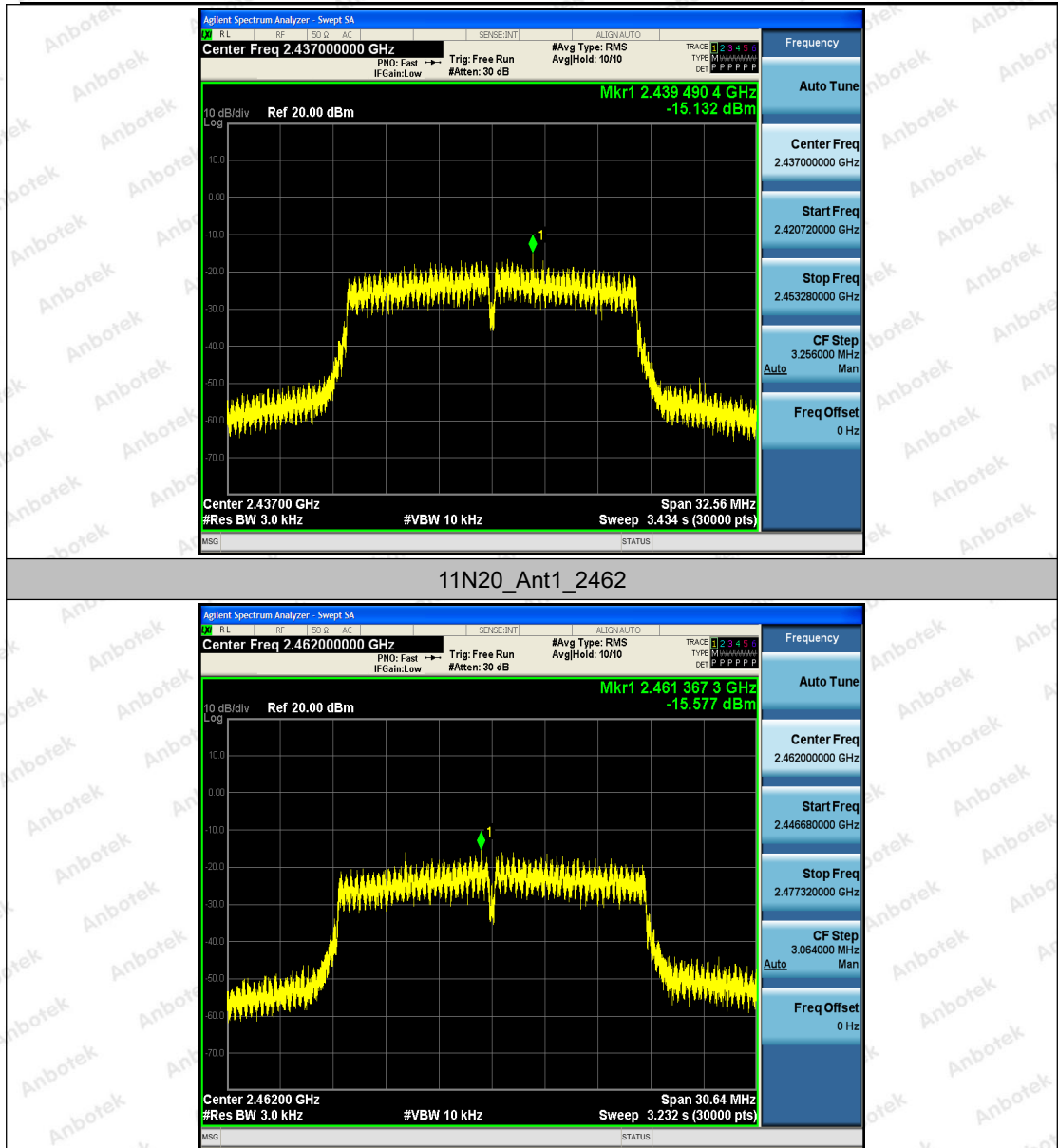


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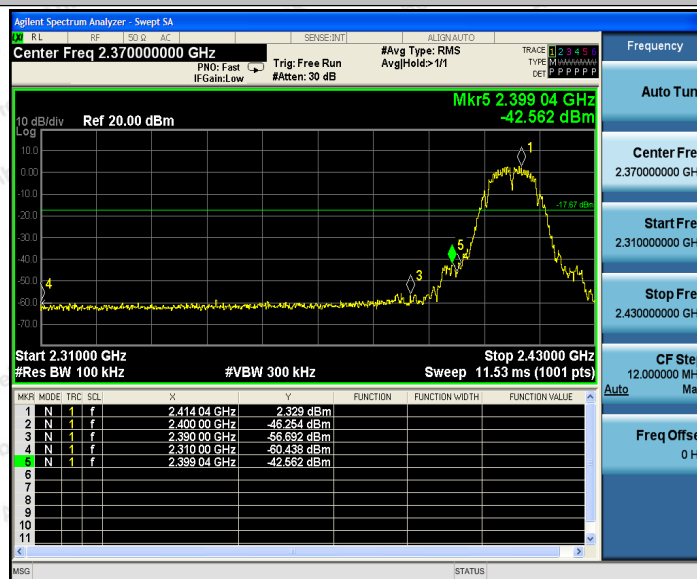
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.33	-42.79	≤ -17.67	PASS
		High	2462	1.38	-54.34	≤ -18.62	PASS
11G	Ant1	Low	2412	-2.48	-41.55	≤ -22.48	PASS
		High	2462	-1.99	-37.93	≤ -21.99	PASS
11N20	Ant1	Low	2412	-4.21	-39.9	≤ -24.21	PASS
		High	2462	-2.50	-37.04	≤ -22.5	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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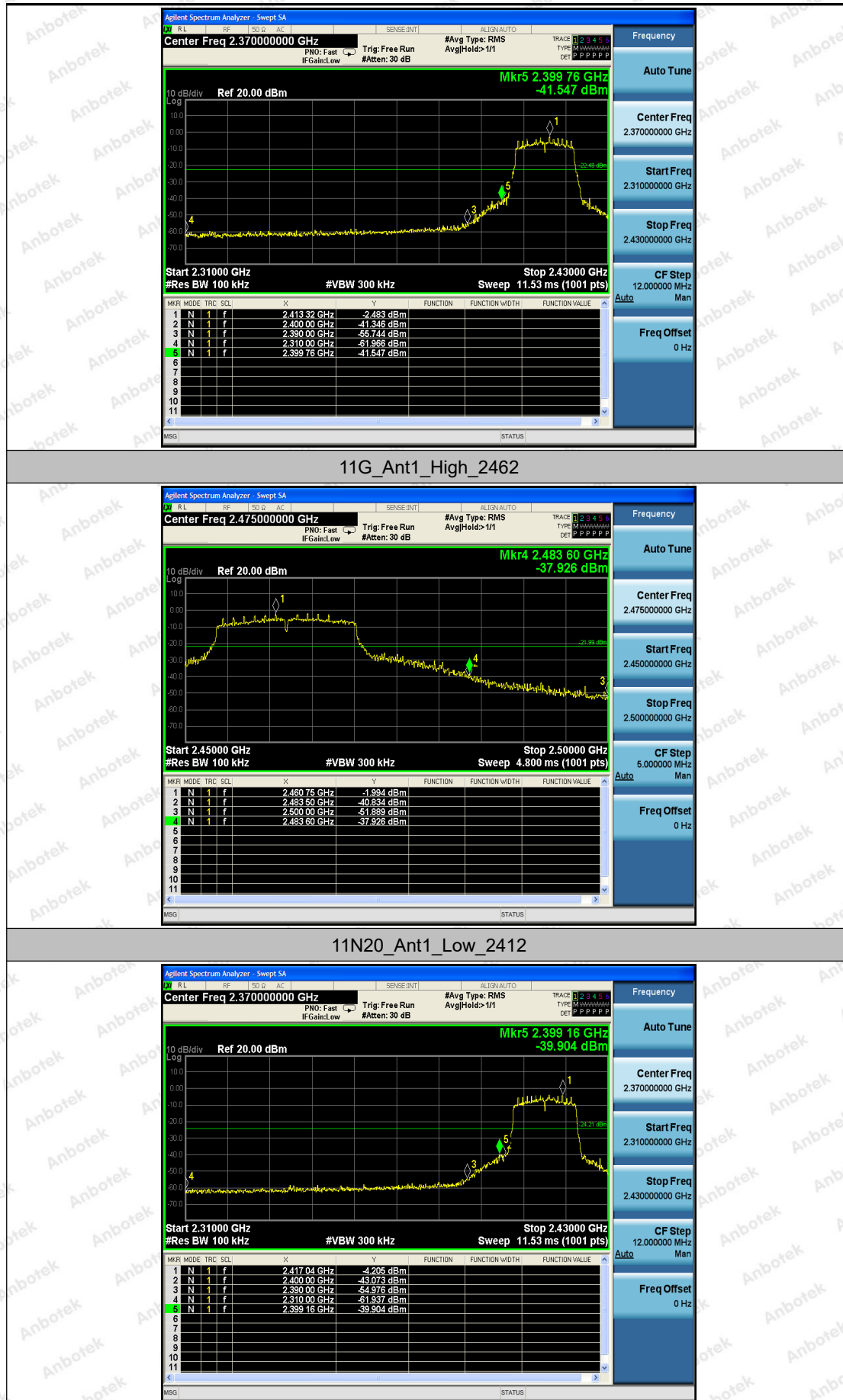
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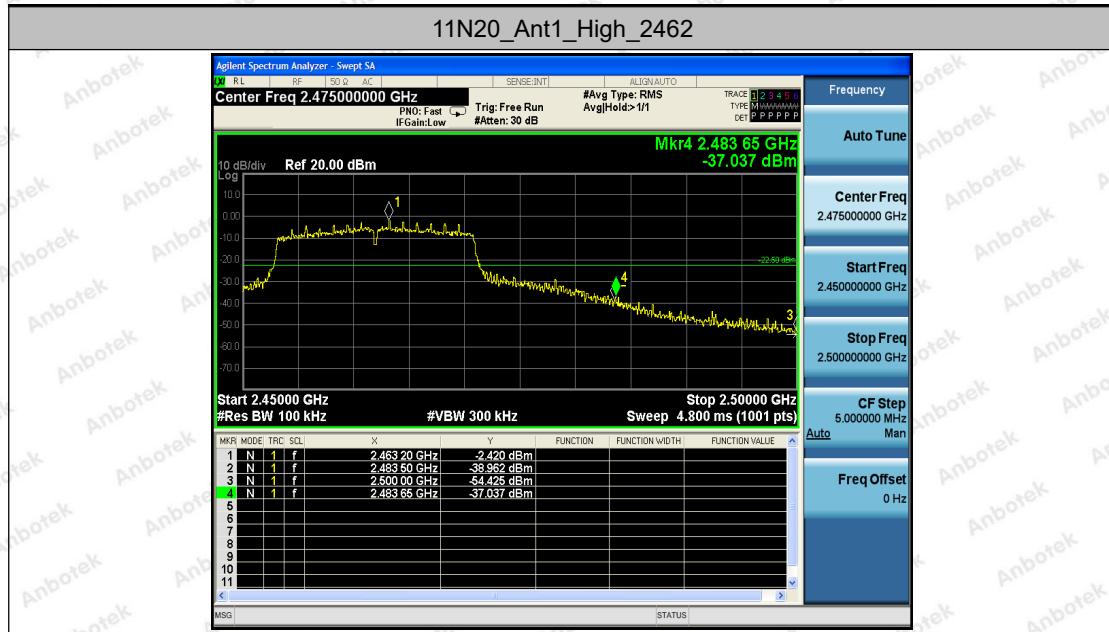


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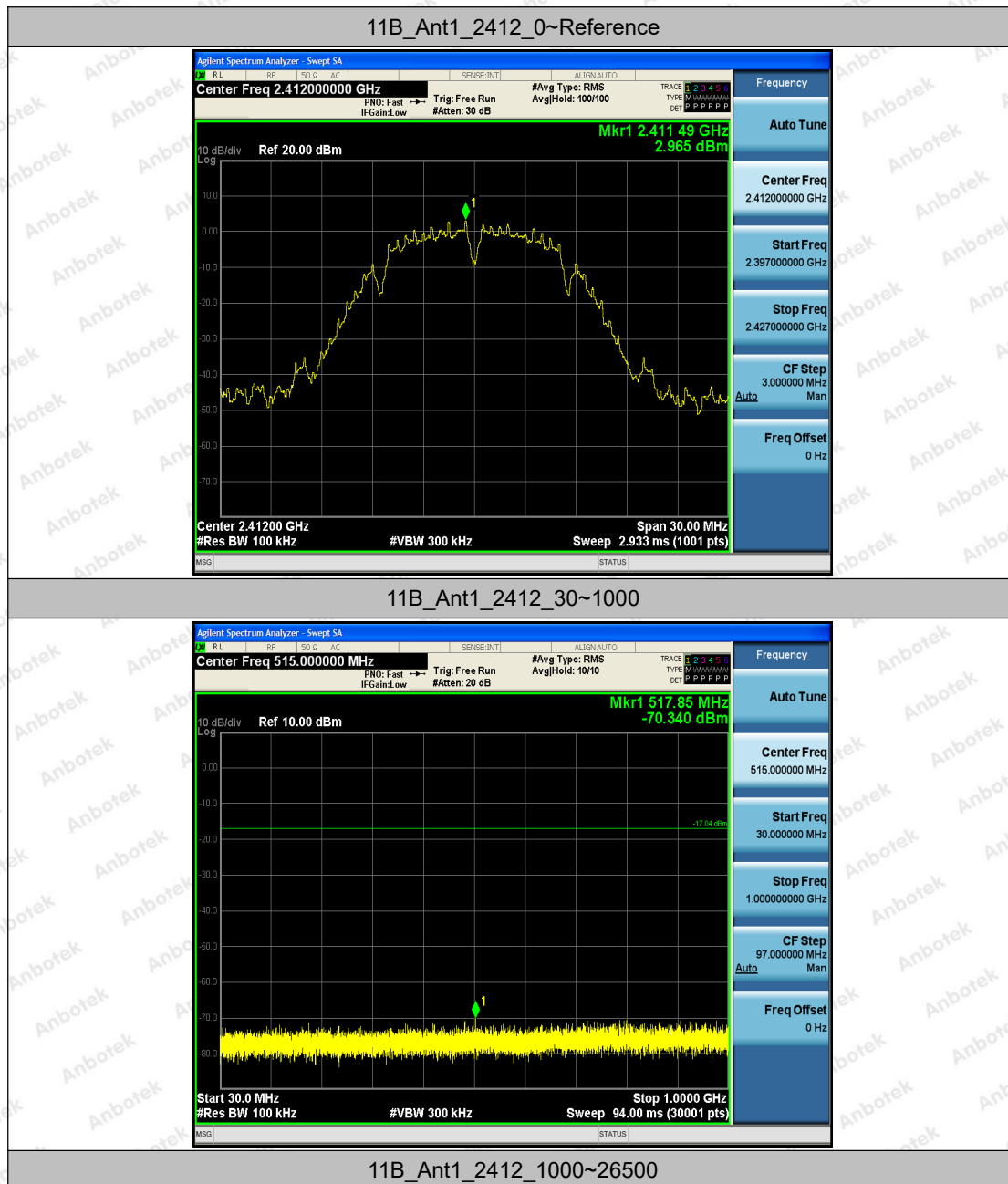
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-70.34	≤-17.04	PASS
			1000~26500	2.97	-40.72	≤-17.04	PASS
		2437	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-70.25	≤-18.97	PASS
			1000~26500	1.03	-44.96	≤-18.97	PASS
		2462	Reference	0.53	0.53	---	PASS
			30~1000	0.53	-70.25	≤-19.48	PASS
			1000~26500	0.53	-52.52	≤-19.48	PASS
11G	Ant1	2412	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-70.17	≤-22.64	PASS
			1000~26500	-2.64	-55.41	≤-22.64	PASS
		2437	Reference	-3.37	-3.37	---	PASS
			30~1000	-3.37	-56.41	≤-23.37	PASS
			1000~26500	-3.37	-54.19	≤-23.37	PASS
		2462	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-45.96	≤-21.59	PASS
			1000~26500	-1.59	-55.05	≤-21.59	PASS
11N20	Ant1	2412	Reference	-3.03	-3.03	---	PASS
			30~1000	-3.03	-70.84	≤-23.03	PASS
			1000~26500	-3.03	-55.63	≤-23.03	PASS
		2437	Reference	-1.73	-1.73	---	PASS
			30~1000	-1.73	-70.18	≤-21.73	PASS
			1000~26500	-1.73	-53.02	≤-21.73	PASS
		2462	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-69.13	≤-22.49	PASS
			1000~26500	-2.49	-55.42	≤-22.49	PASS

Test Graphs



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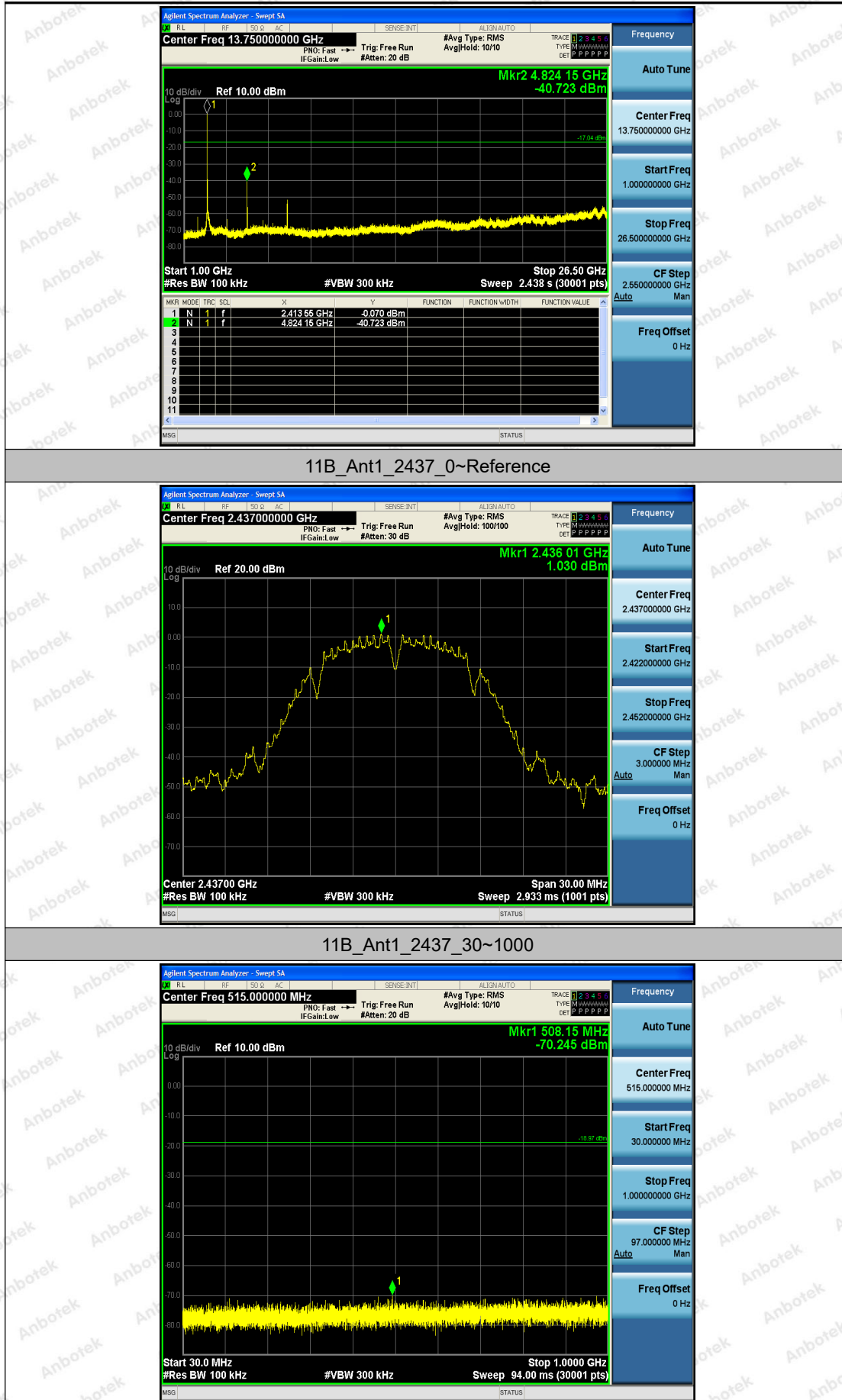
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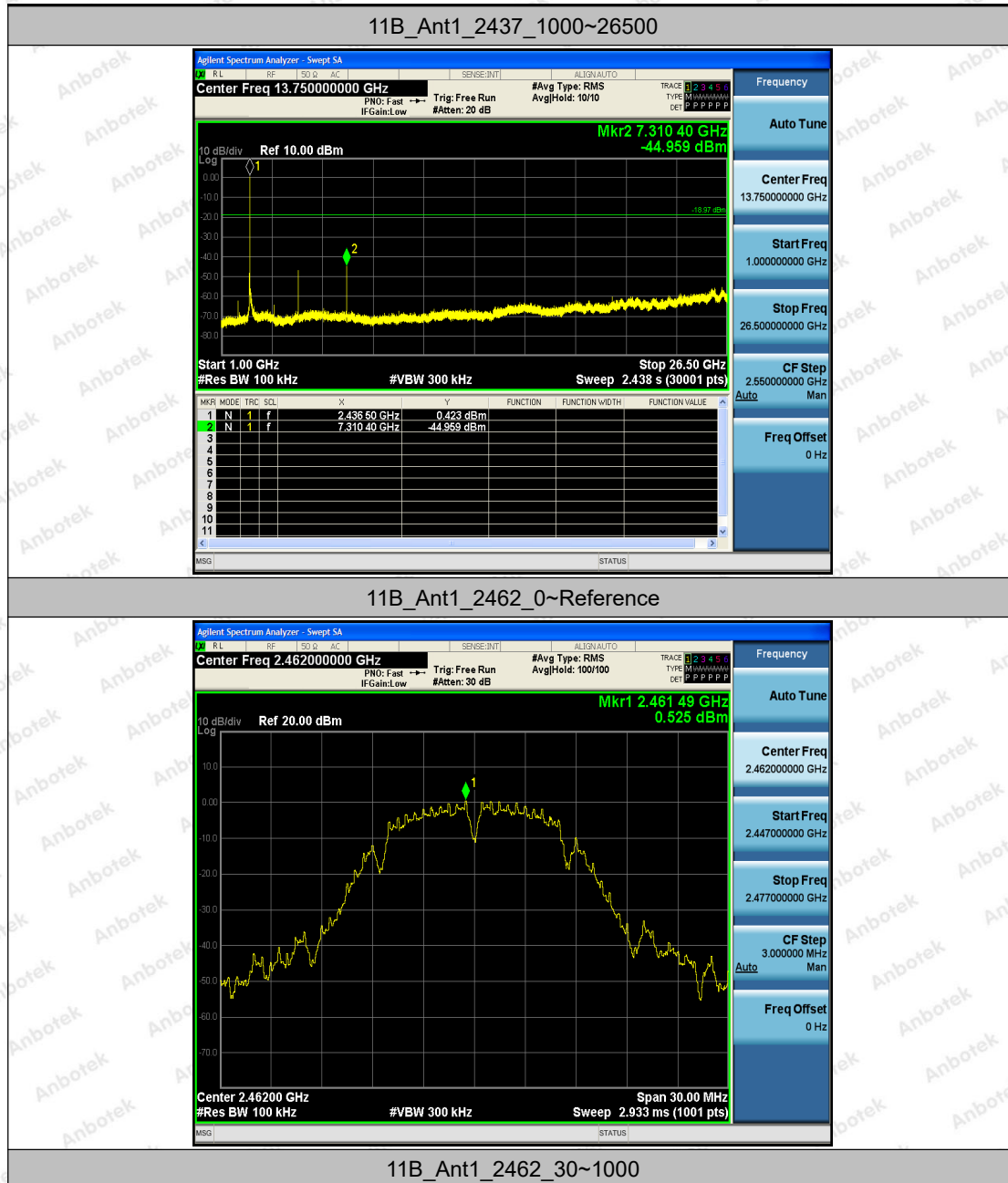


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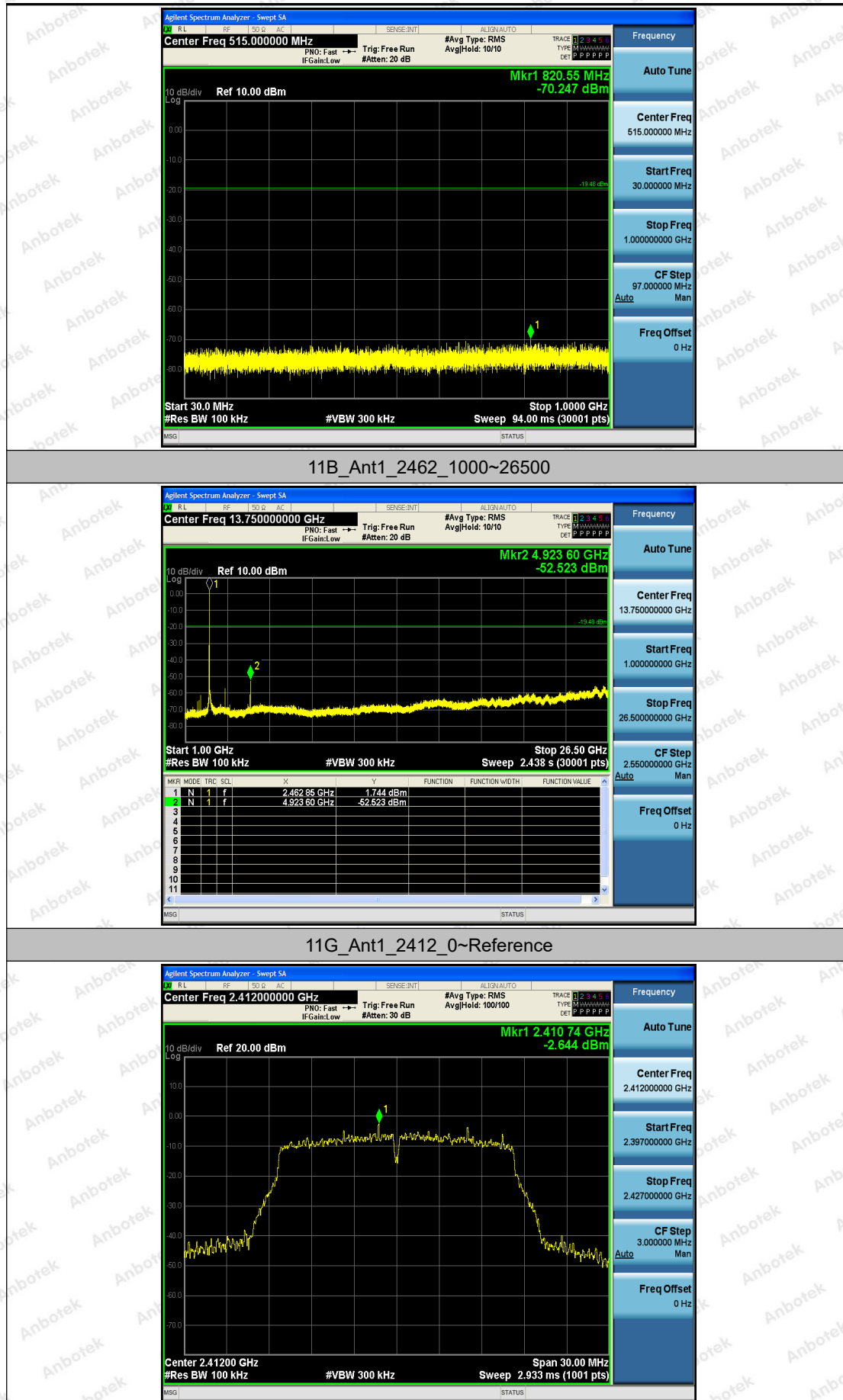


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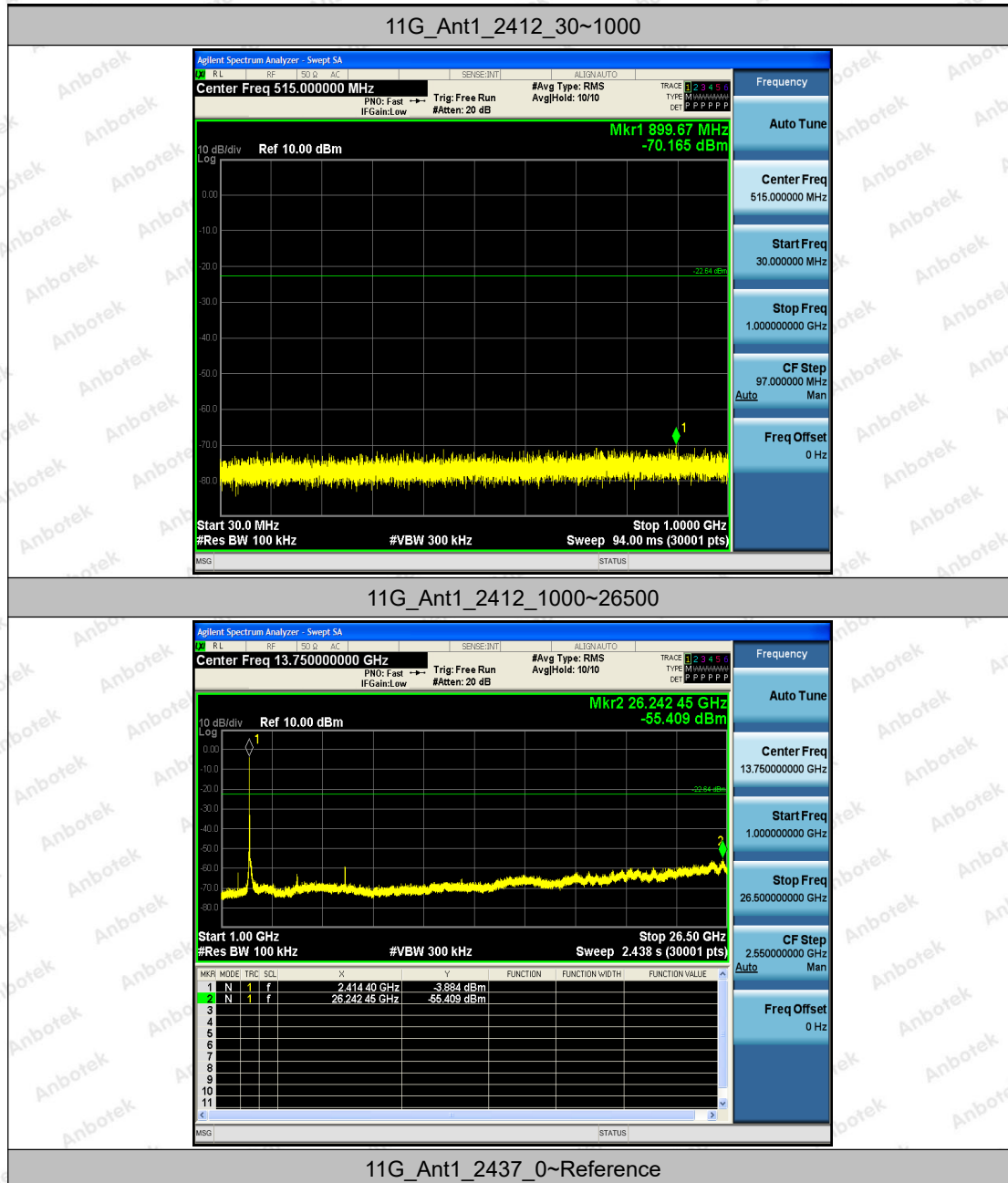


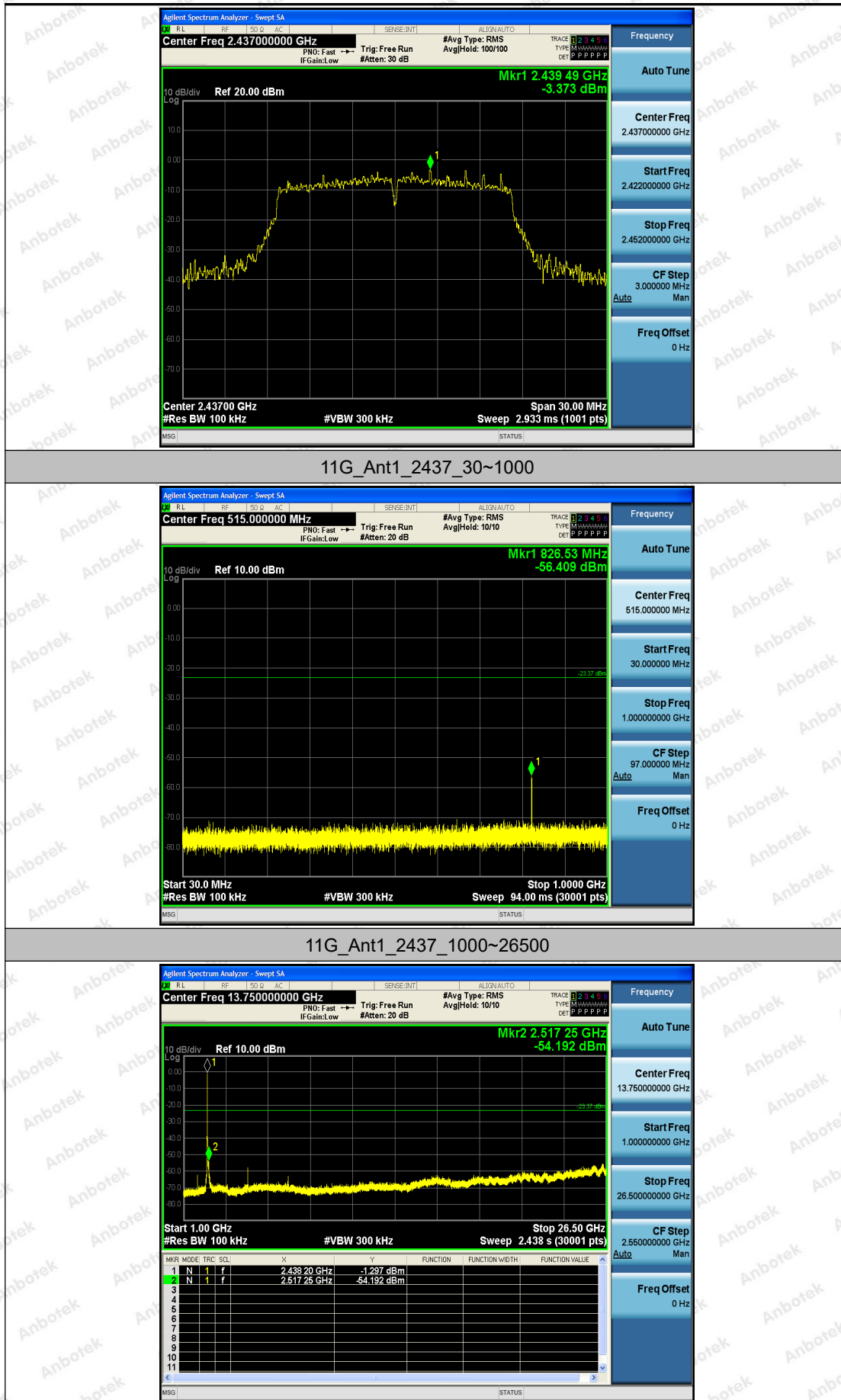
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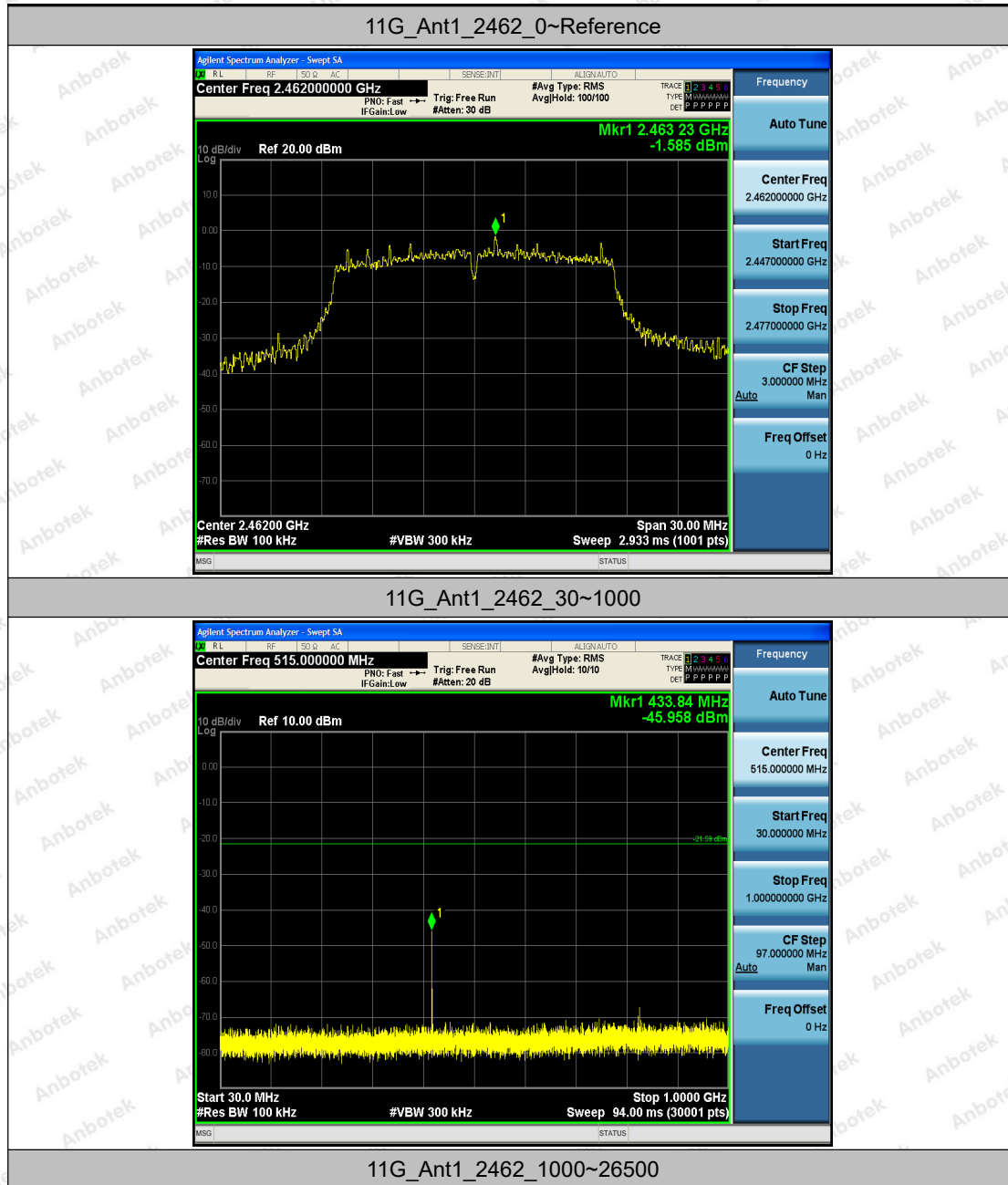


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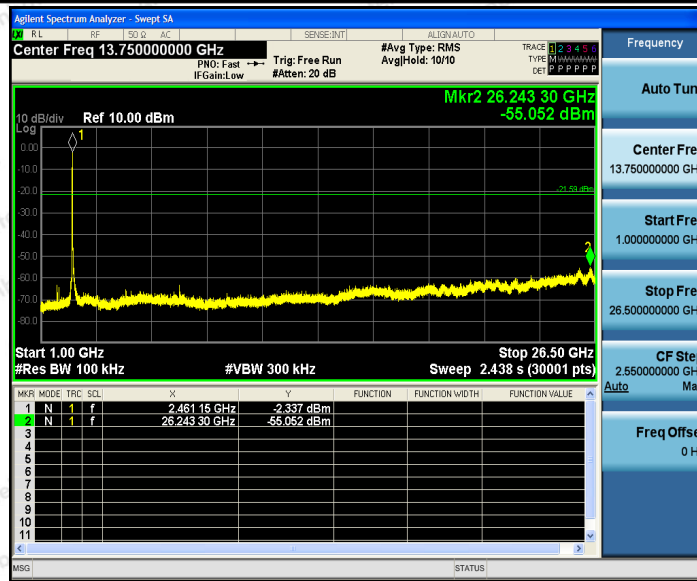


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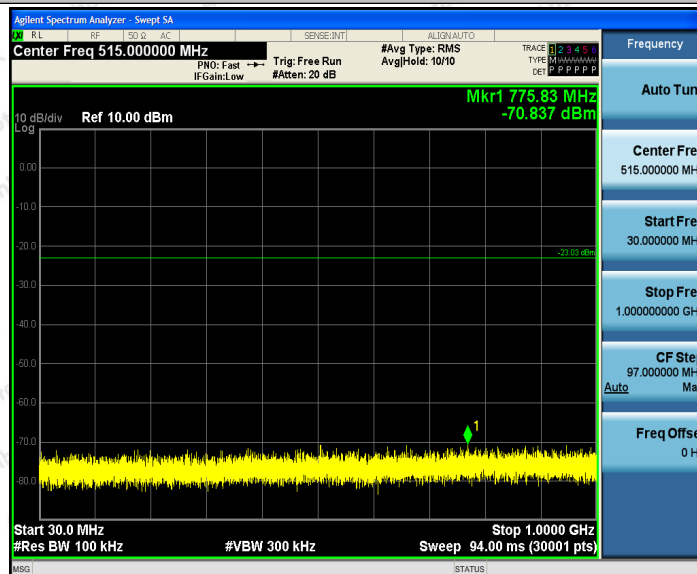
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



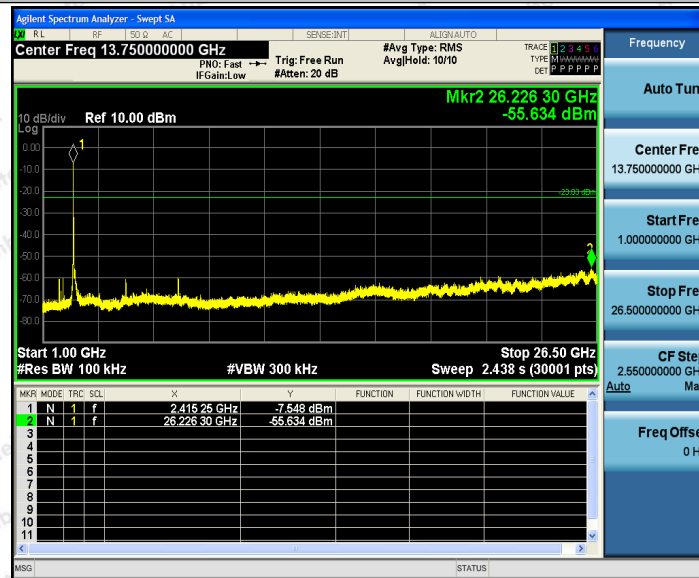
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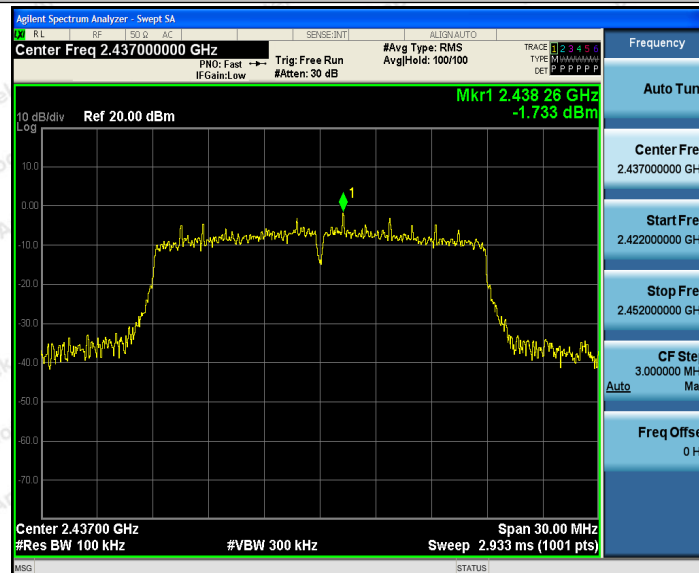
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



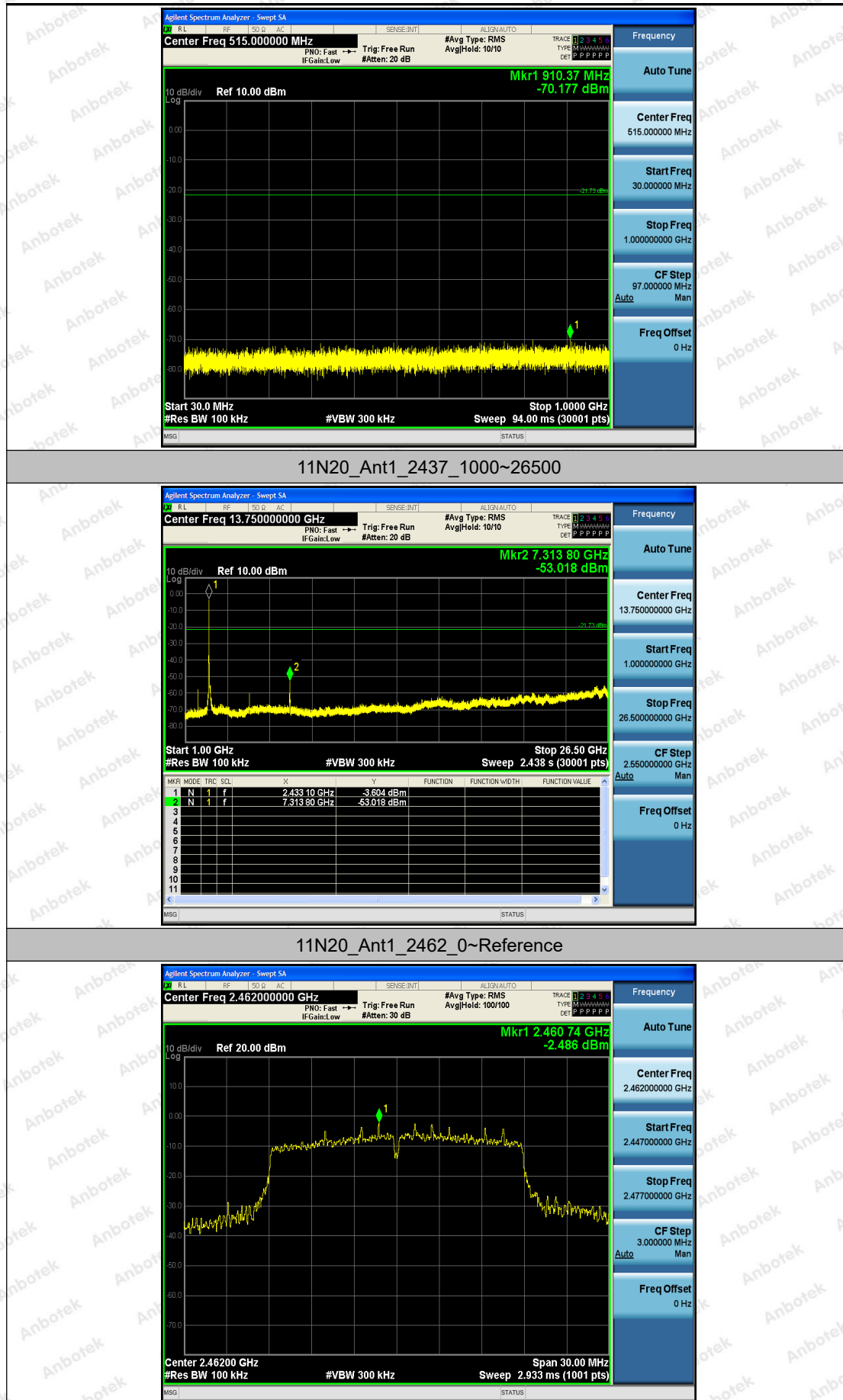
11N20_Ant1_2437_30~1000

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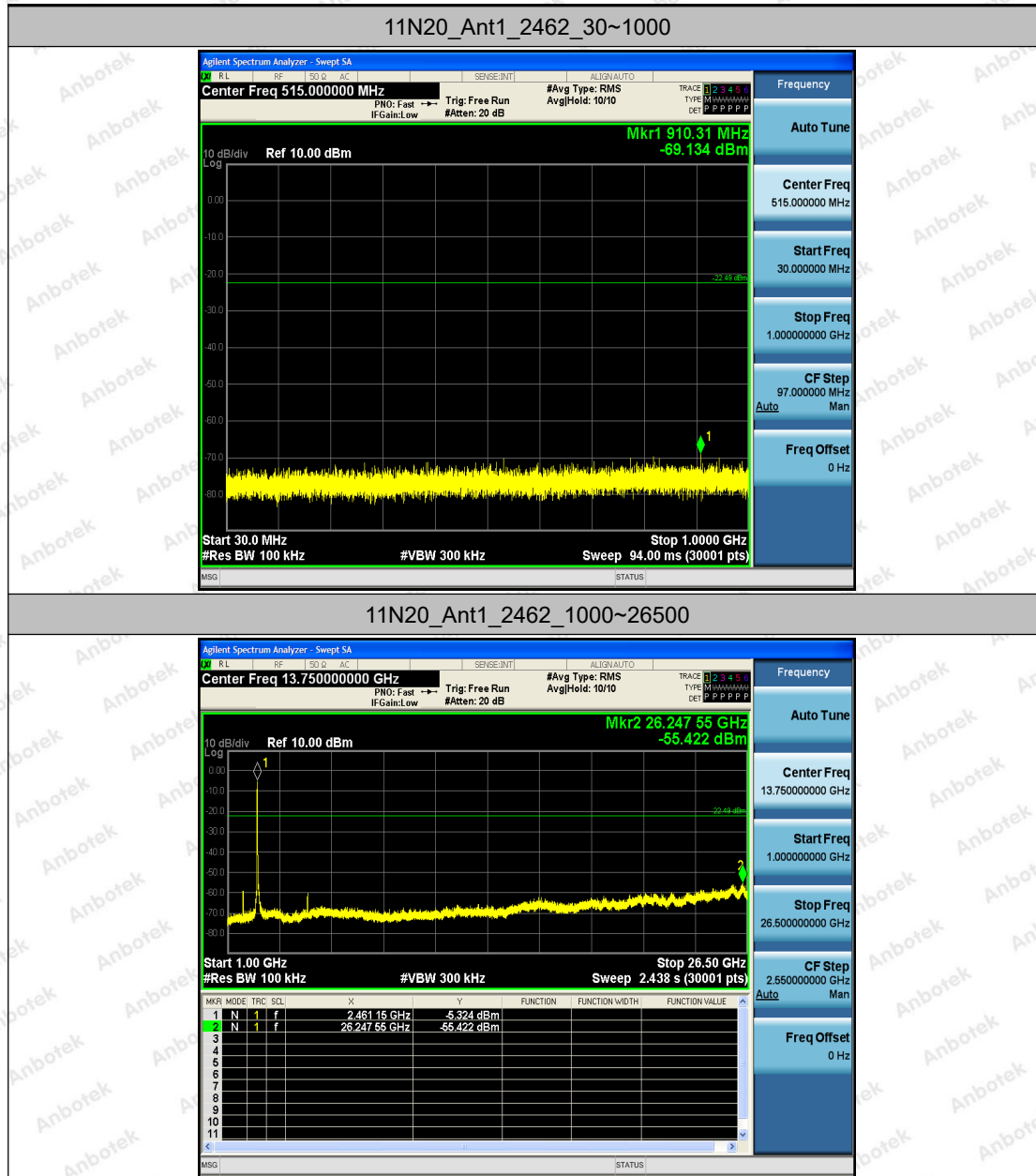


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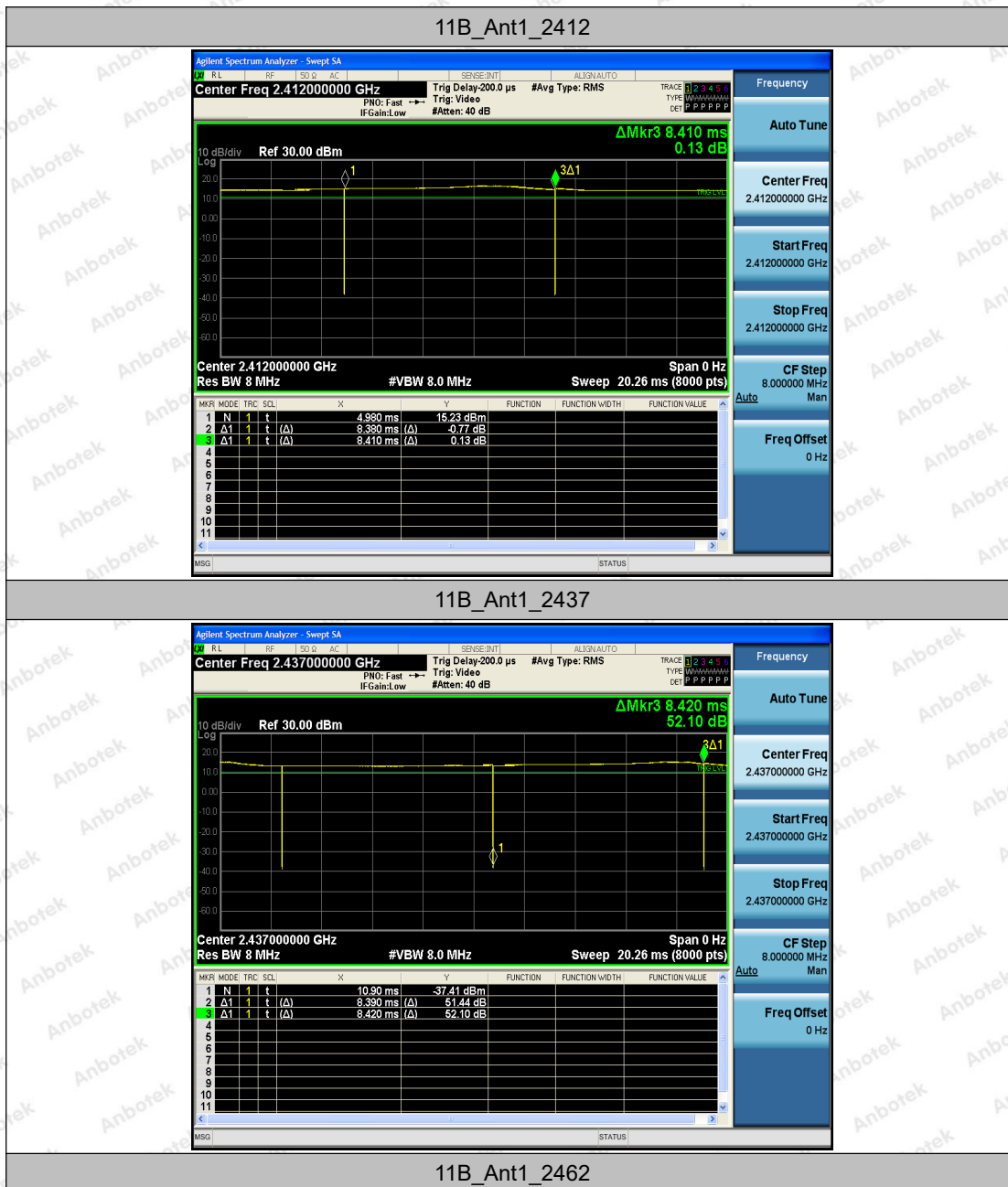
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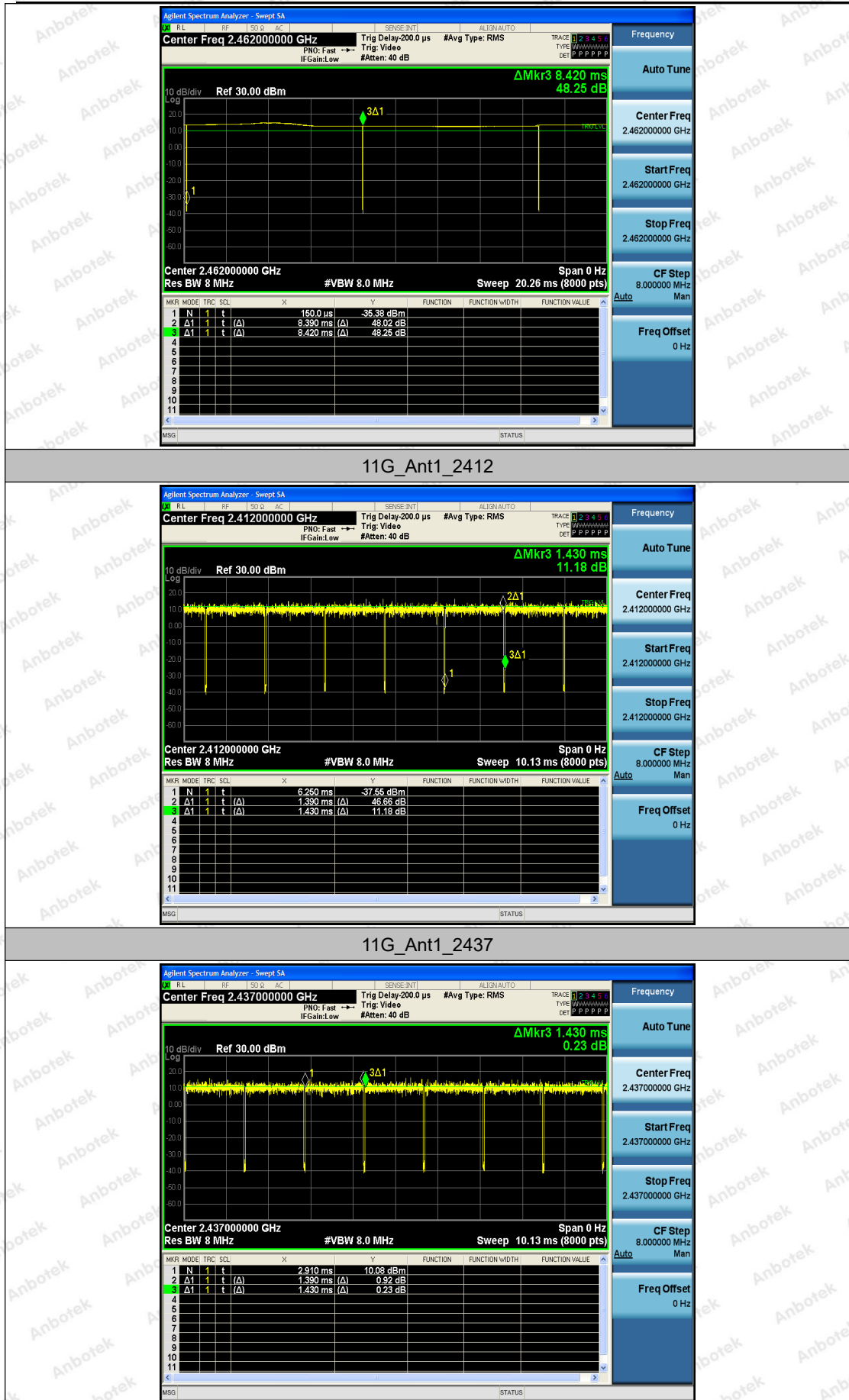
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.39	8.42	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	1.29	1.33	96.99	---	PASS
		2462	1.30	1.34	97.01	---	PASS

Test Graphs





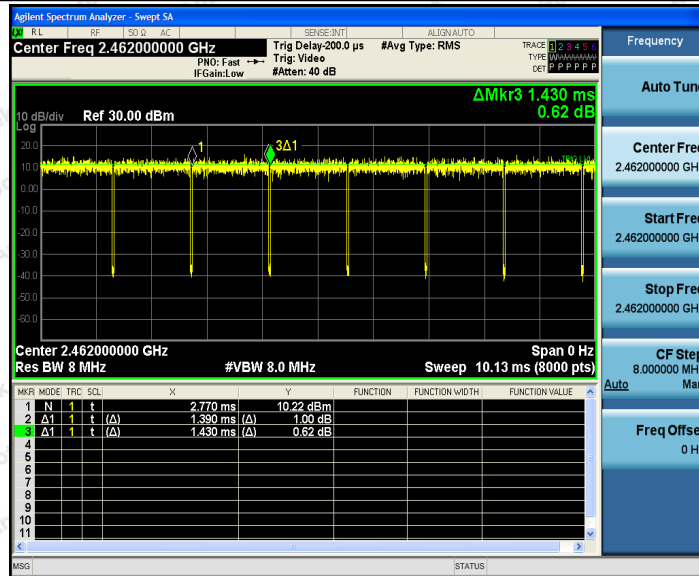
Shenzhen Anbotech Compliance Laboratory Limited

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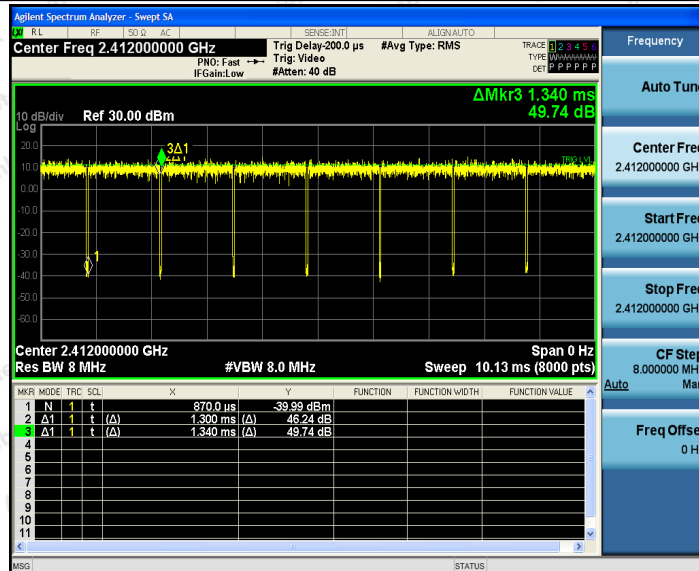
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

Hotline
400-003-0500
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11G_Ant1_2462



11N20_Ant1_2412



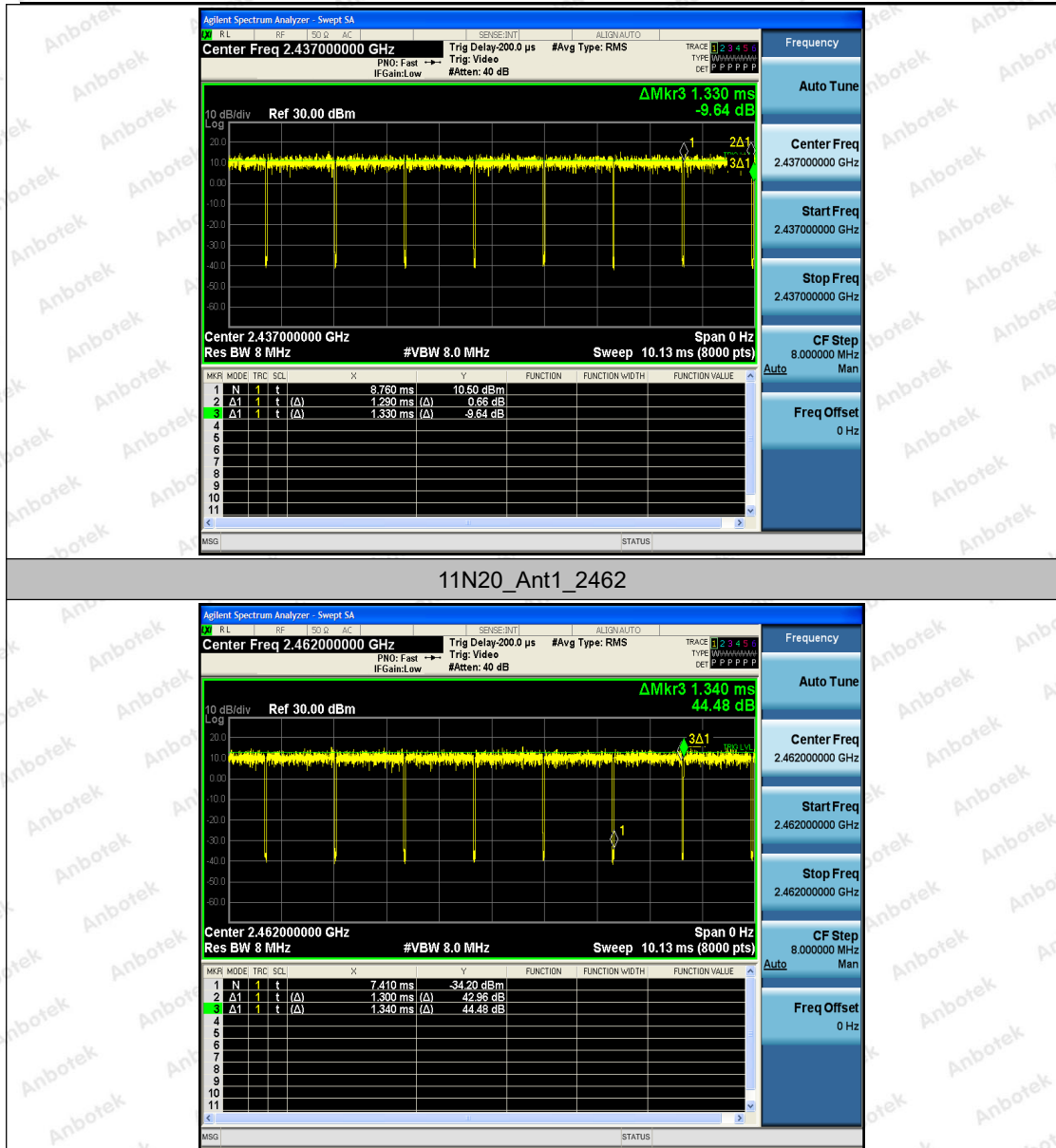
11N20_Ant1_2437

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