

Appendix Test Data

Report No.:	18220WC20097302	Test Sample No.:	1-2-2
Start Test Date:	2022.5.7	Finish Test Date:	2022.5.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
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	9.640	2406.960	2416.600	≥0.5	PASS
		2437	8.680	2432.920	2441.600	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.440	2428.800	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
11N40	Ant1	2422	35.880	2404.360	2440.240	≥0.5	PASS
		2437	35.760	2419.420	2455.180	≥0.5	PASS
		2452	35.940	2434.060	2470.000	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



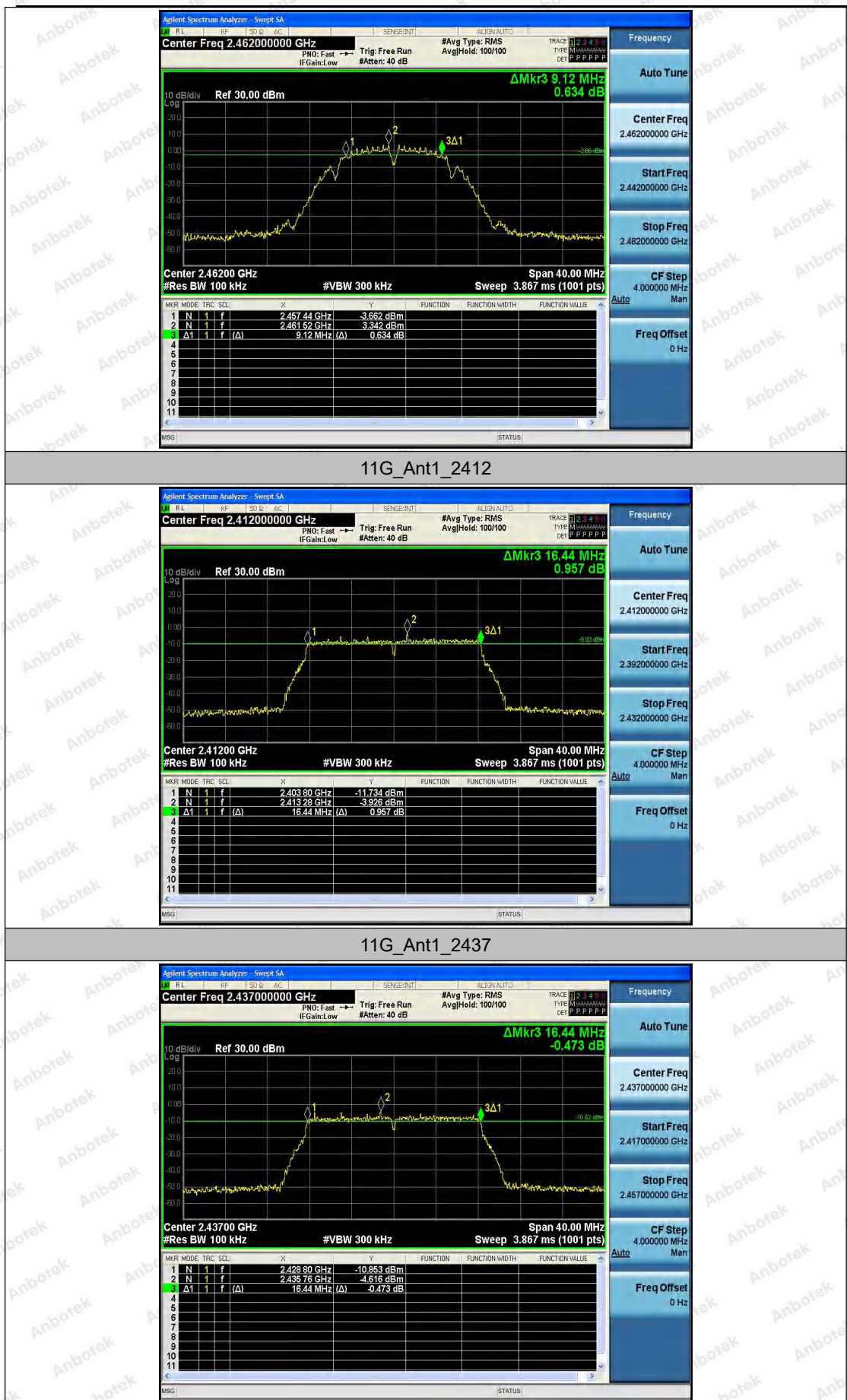
11B_Ant1_2462

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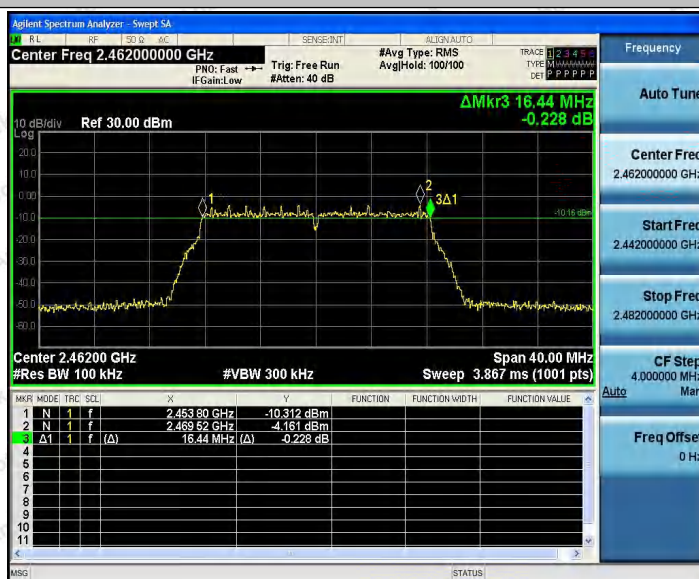
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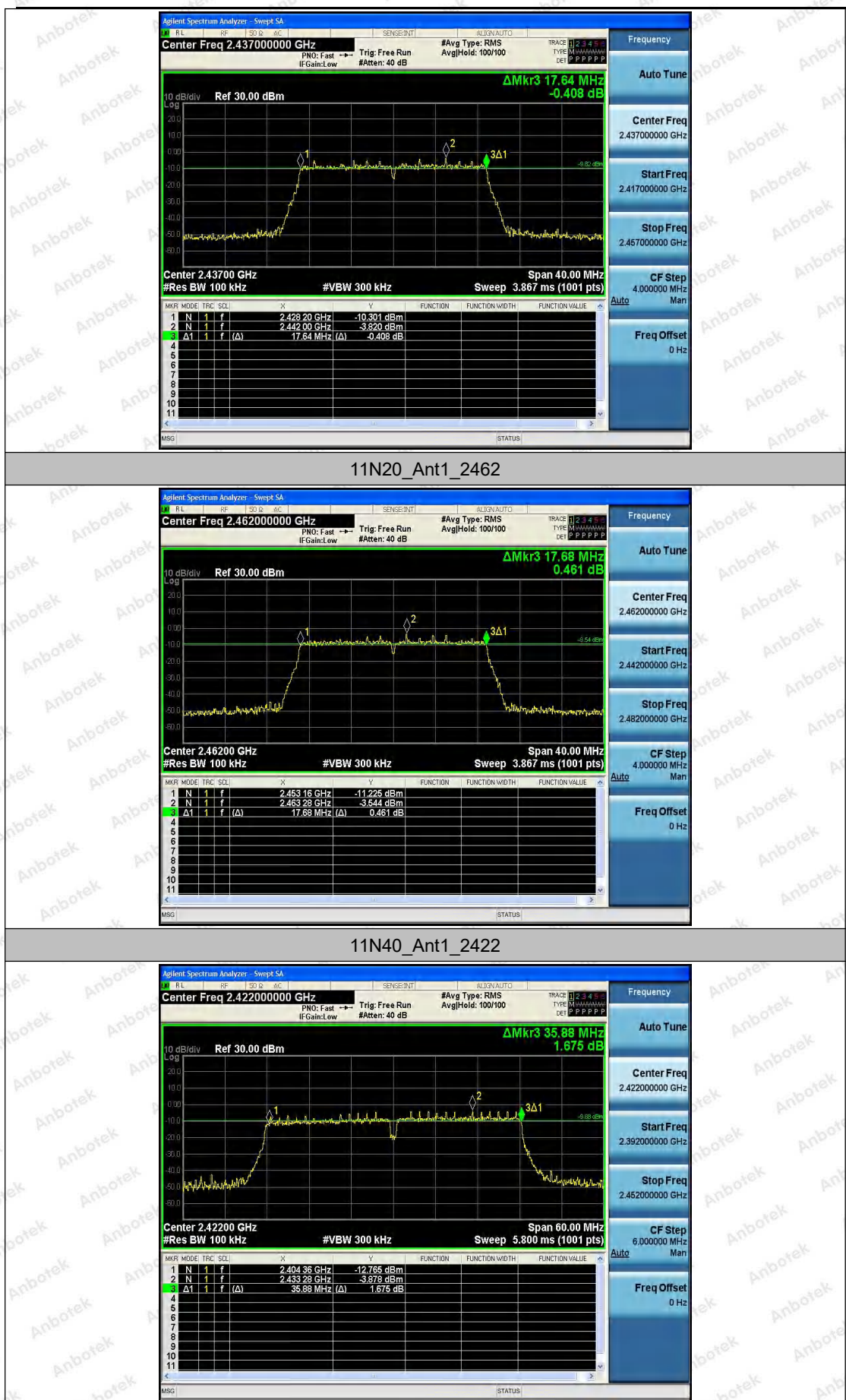
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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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	12.350	2405.911	2418.261	---	PASS
		2437	12.268	2430.919	2443.187	---	PASS
		2462	12.297	2455.877	2468.174	---	PASS
11G	Ant1	2412	17.044	2403.561	2420.605	---	PASS
		2437	17.078	2428.514	2445.592	---	PASS
		2462	17.125	2453.447	2470.572	---	PASS
11N20	Ant1	2412	17.985	2403.079	2421.064	---	PASS
		2437	17.923	2428.074	2445.997	---	PASS
		2462	18.010	2452.983	2470.993	---	PASS
11N40	Ant1	2422	36.220	2404.037	2440.257	---	PASS
		2437	36.165	2418.985	2455.150	---	PASS
		2452	36.161	2433.939	2470.100	---	PASS

Test Graphs



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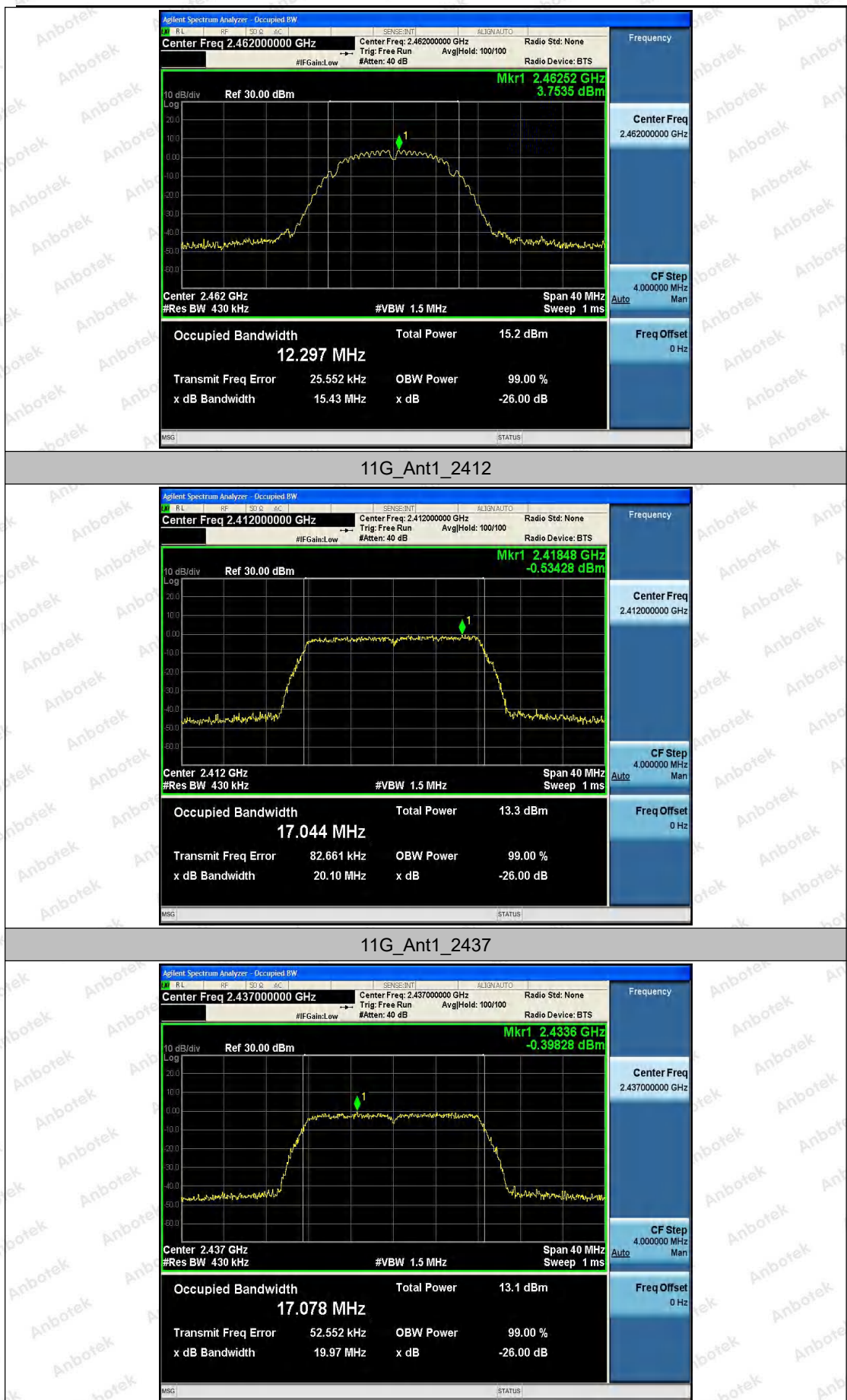
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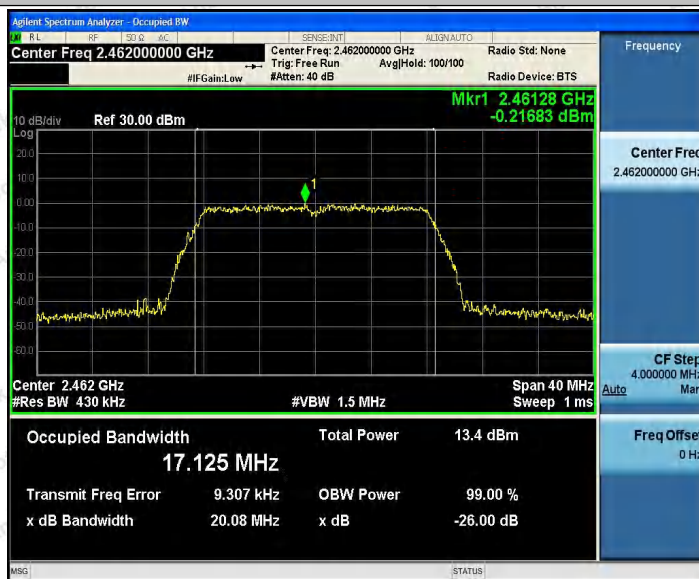
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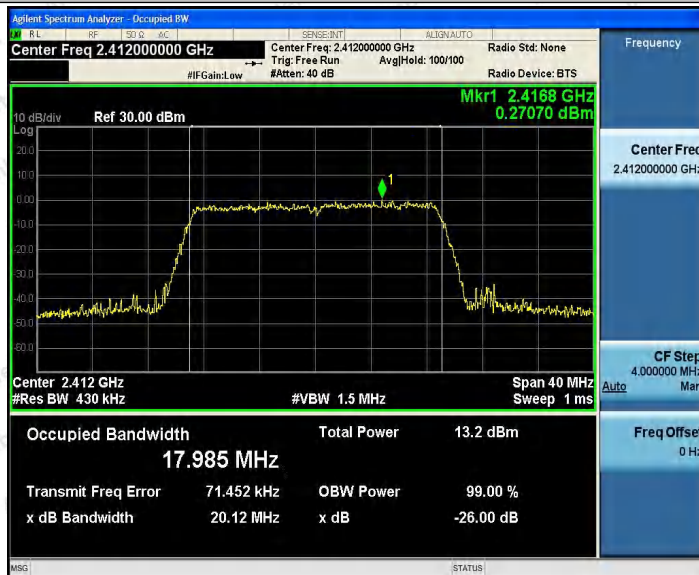
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11G_Ant1_2462



11N20_Ant1_2412



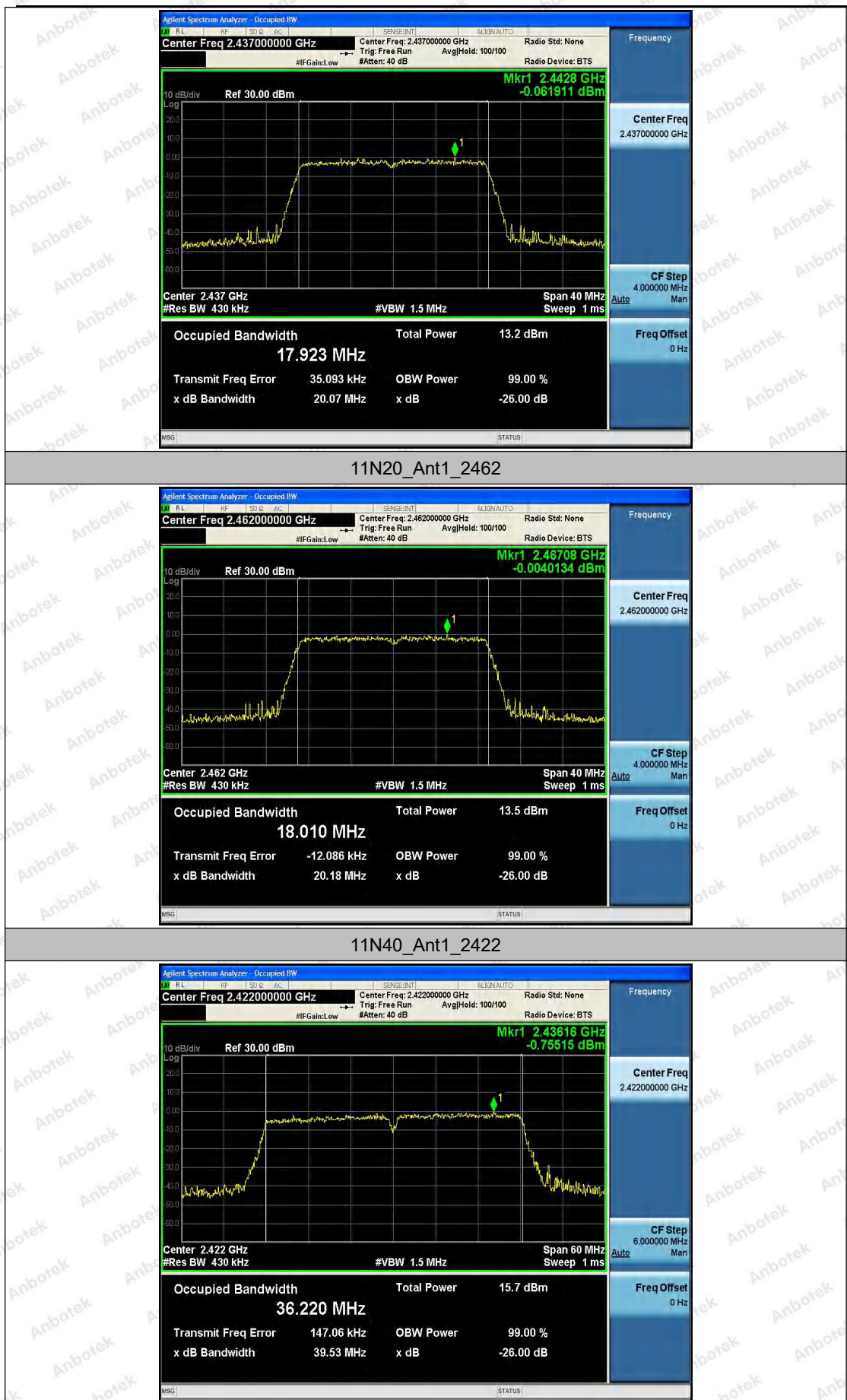
11N20_Ant1_2437

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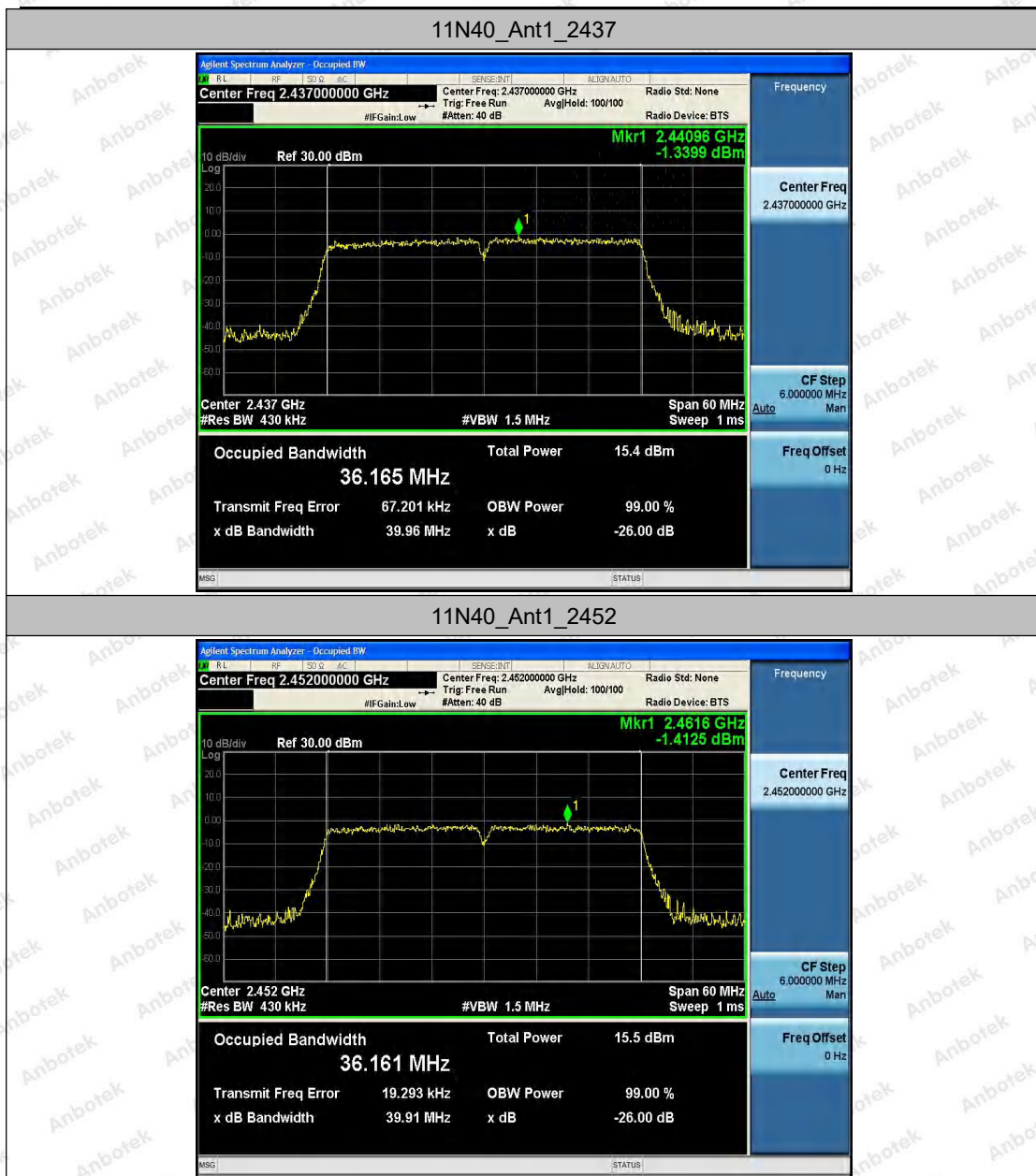


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Appendix C: Maximum conducted output power

Test Result

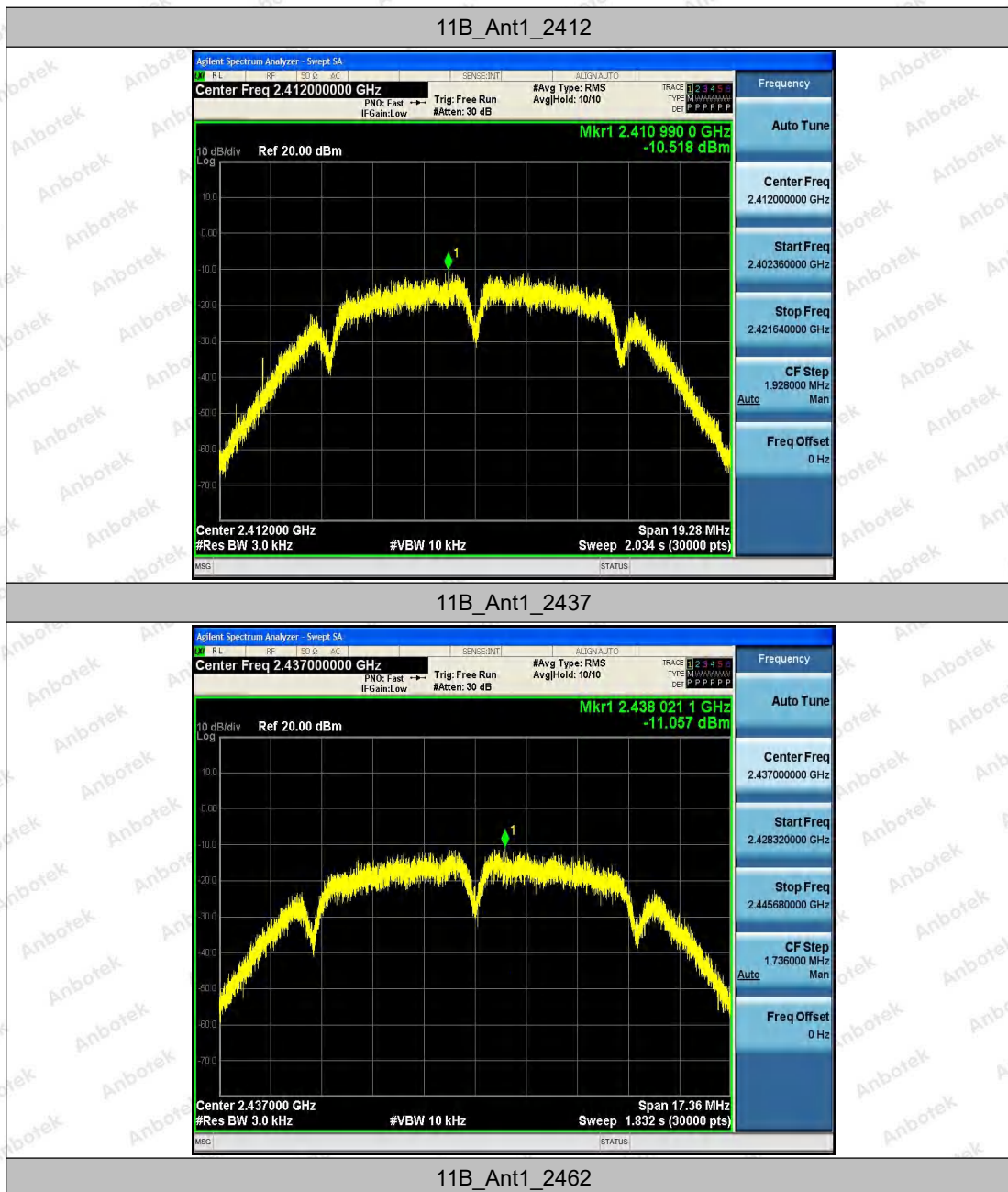
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.15	≤30	PASS
		2437	15.12	≤30	PASS
		2462	15.16	≤30	PASS
11G	Ant1	2412	14.32	≤30	PASS
		2437	14.30	≤30	PASS
		2462	14.61	≤30	PASS
11N20	Ant1	2412	14.35	≤30	PASS
		2437	14.34	≤30	PASS
		2462	14.66	≤30	PASS
11N40	Ant1	2422	14.33	≤30	PASS
		2437	14.17	≤30	PASS
		2452	14.12	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.52	≤8	PASS
		2437	-11.06	≤8	PASS
		2462	-10.56	≤8	PASS
11G	Ant1	2412	-16.17	≤8	PASS
		2437	-17.94	≤8	PASS
		2462	-18.18	≤8	PASS
11N20	Ant1	2412	-18.25	≤8	PASS
		2437	-16	≤8	PASS
		2462	-18.25	≤8	PASS
11N40	Ant1	2422	-16.27	≤8	PASS
		2437	-18.33	≤8	PASS
		2452	-17.94	≤8	PASS

Test Graphs



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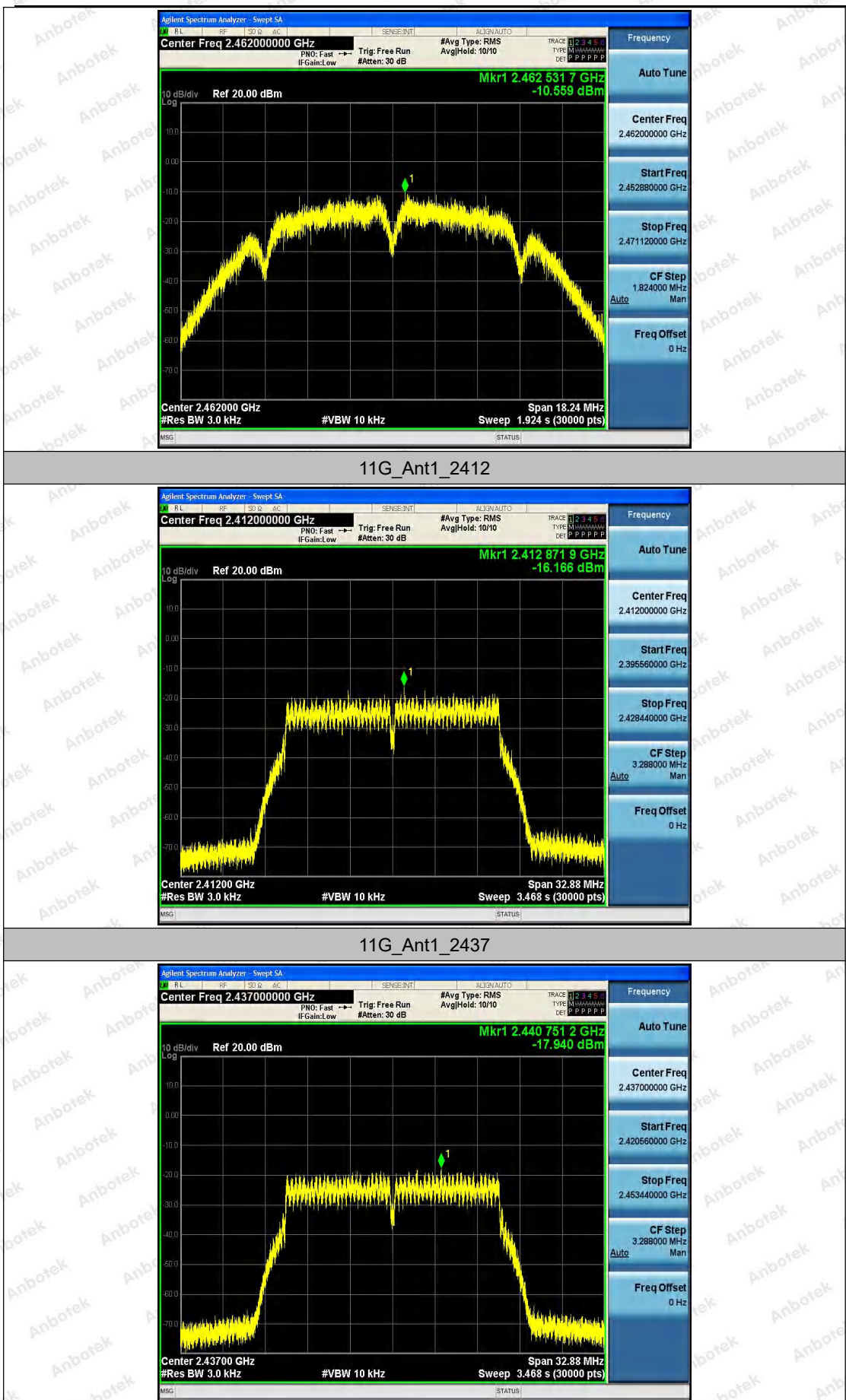
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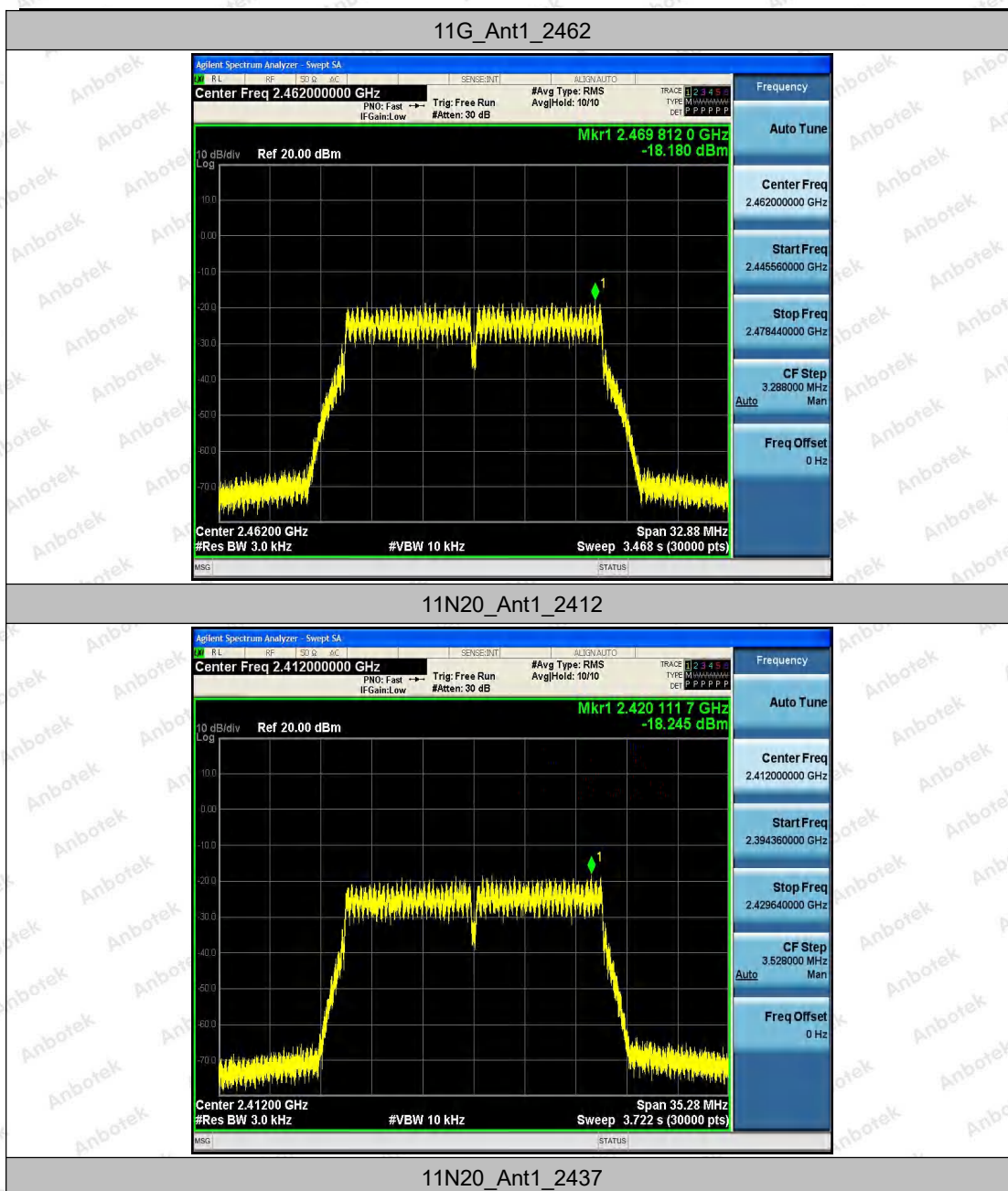


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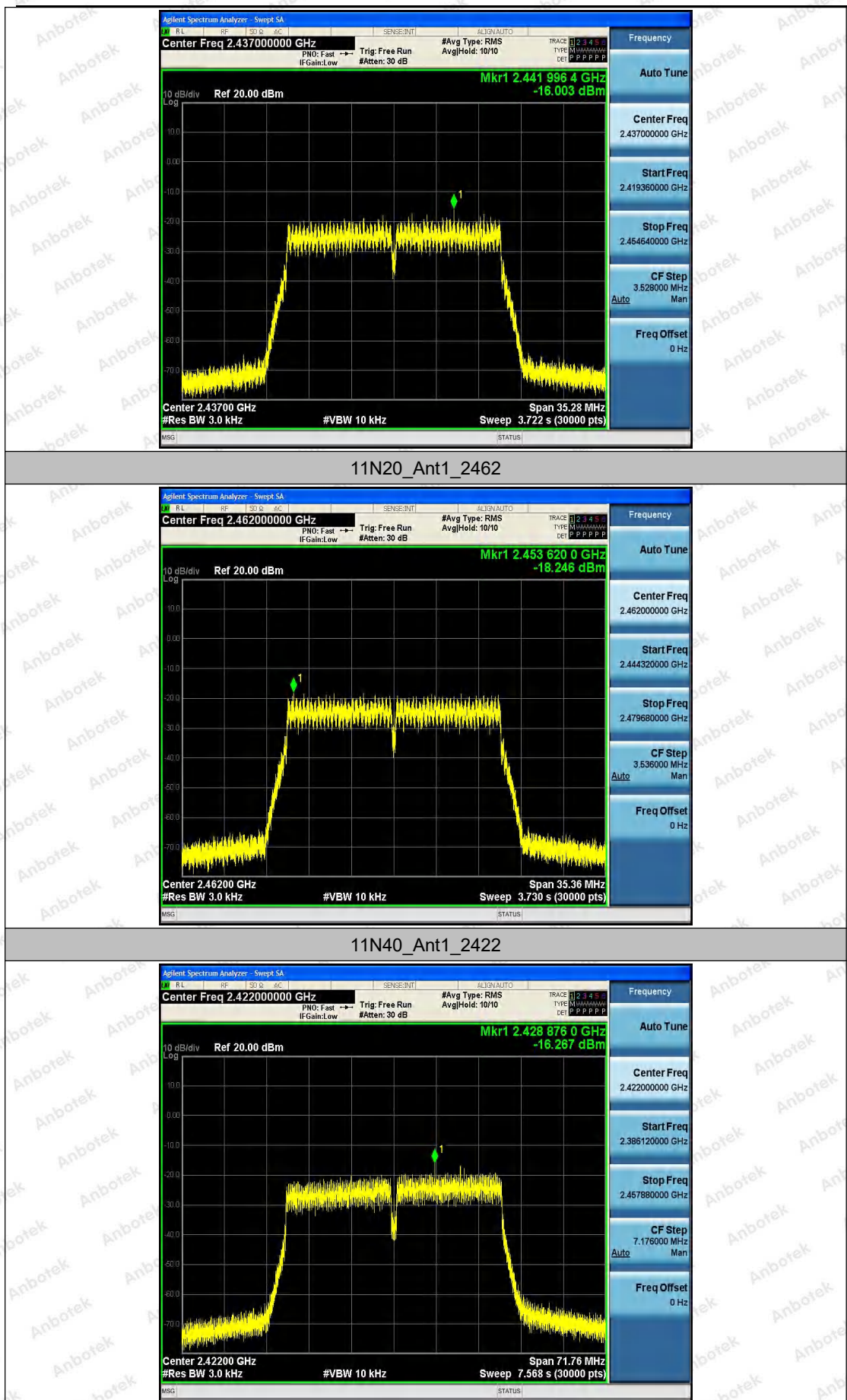


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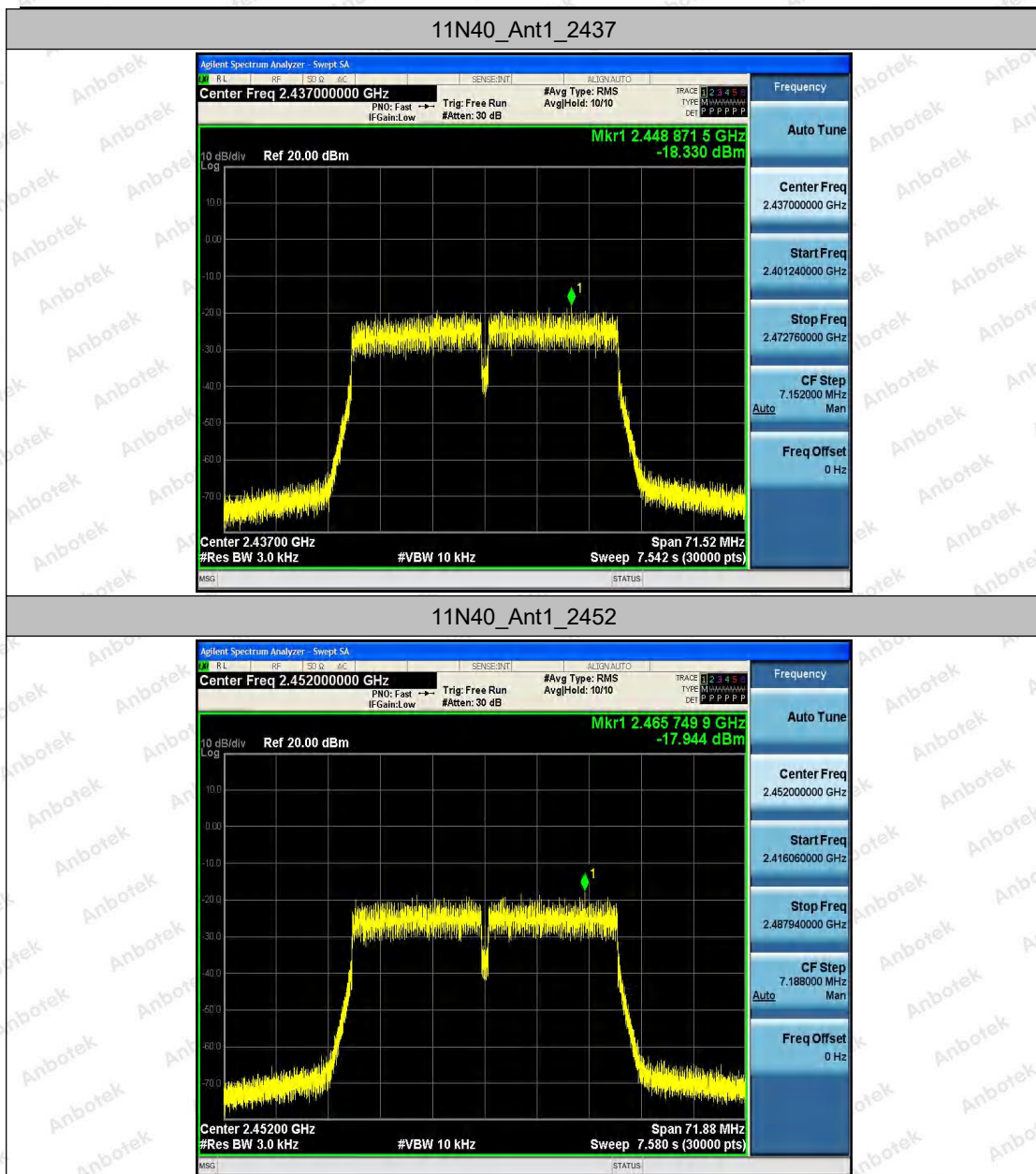


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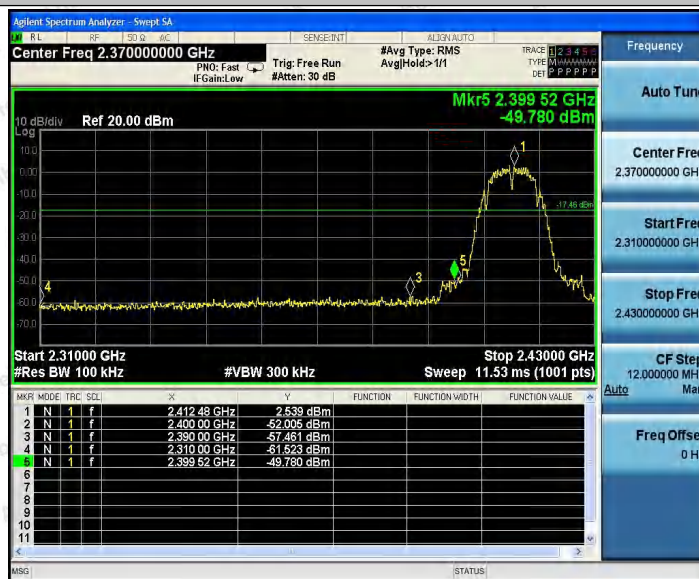
Appendix E: Band edge measurements

Test Result

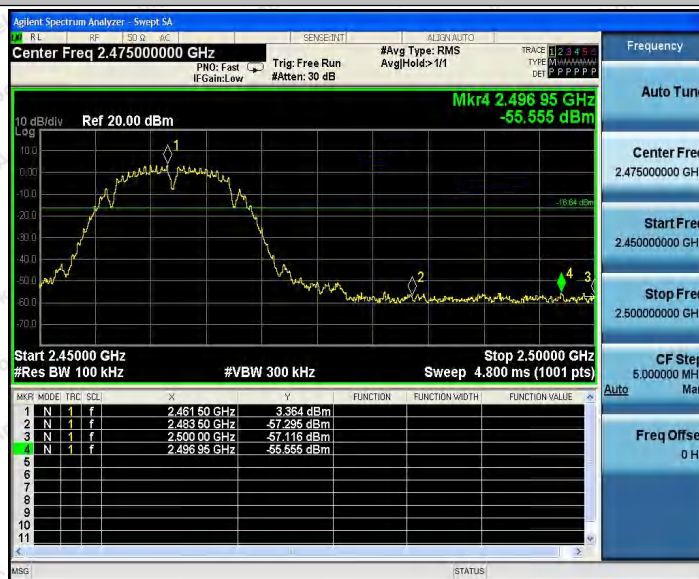
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11B	Ant1	Low	2412	2.54	-49.78	≤ -17.46	PASS
		High	2462	3.36	-55.56	≤ -16.64	PASS
11G	Ant1	Low	2412	-3.75	-48.56	≤ -23.75	PASS
		High	2462	-4.12	-53.79	≤ -24.12	PASS
11N20	Ant1	Low	2412	-3.81	-49.63	≤ -23.81	PASS
		High	2462	-4.22	-53.68	≤ -24.22	PASS
11N40	Ant1	Low	2422	-3.90	-43.8	≤ -23.9	PASS
		High	2452	-4.56	-48.97	≤ -24.56	PASS

Test Graphs

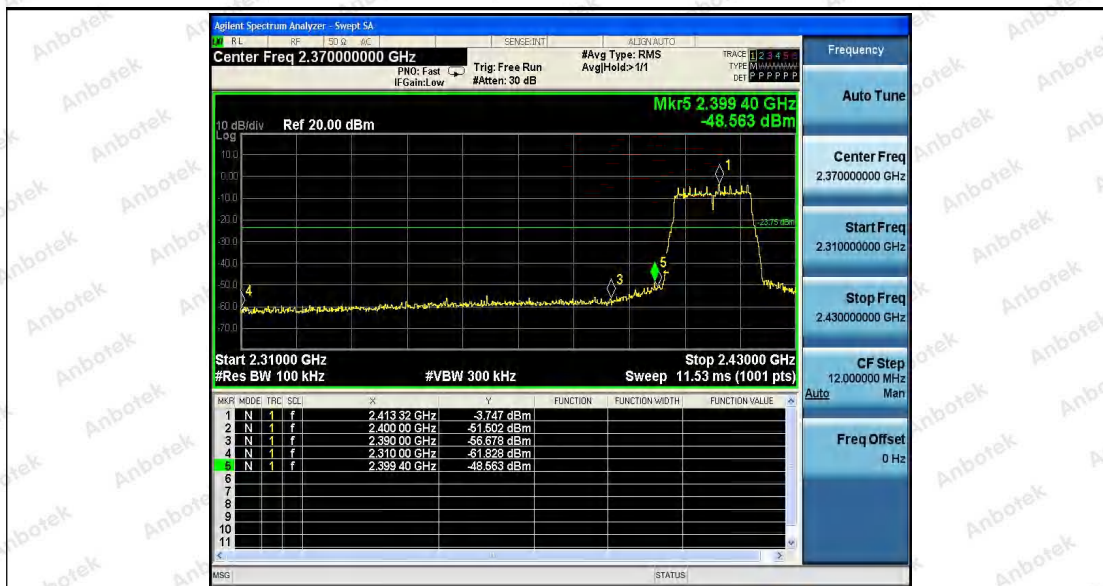
11B_Ant1_Low_2412



11B_Ant1_High_2462



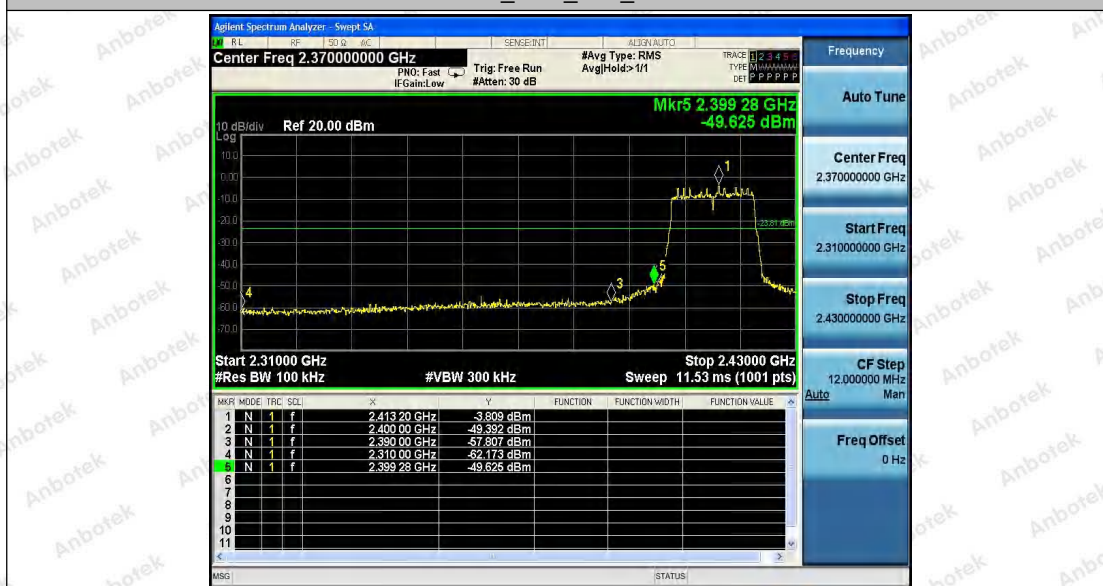
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20_Ant1_Low_2412



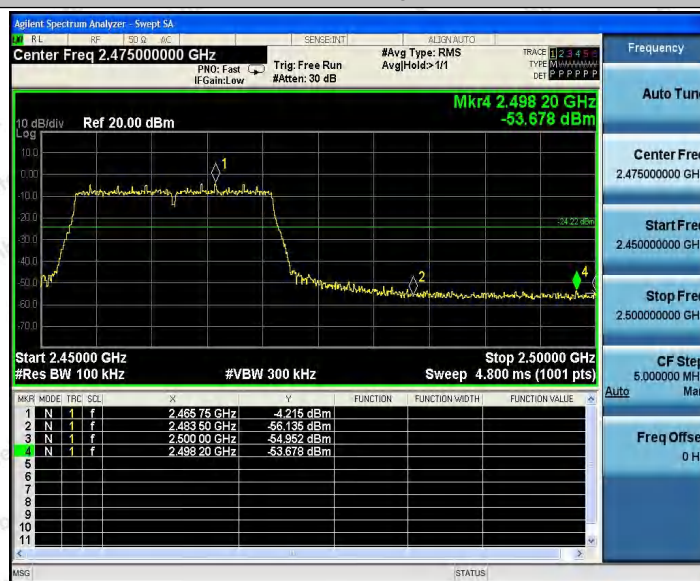
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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



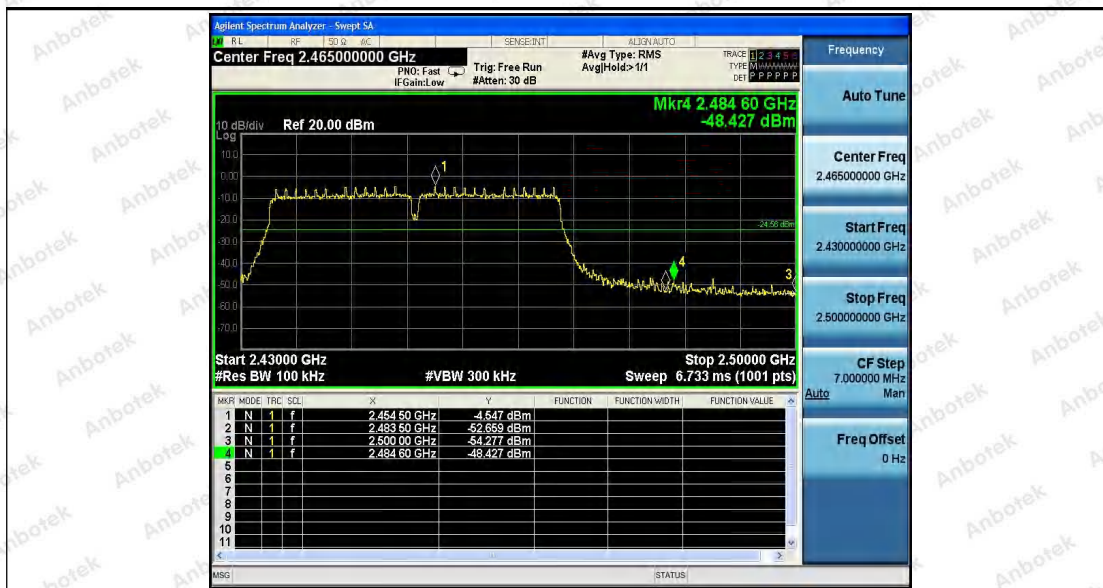
11N40_Ant1_High_2452

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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	3.15	3.15	---	PASS
			30~1000	3.15	-69.78	≤-16.85	PASS
			1000~26500	3.15	-53.13	≤-16.85	PASS
		2437	Reference	3.44	3.44	---	PASS
			30~1000	3.44	-69.42	≤-16.56	PASS
			1000~26500	3.44	-55.31	≤-16.56	PASS
		2462	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-69.95	≤-16.52	PASS
			1000~26500	3.48	-55.23	≤-16.52	PASS
11G	Ant1	2412	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-69.85	≤-24.04	PASS
			1000~26500	-4.04	-54.86	≤-24.04	PASS
		2437	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-70.41	≤-23.58	PASS
			1000~26500	-3.58	-54.23	≤-23.58	PASS
		2462	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-70.44	≤-24.27	PASS
			1000~26500	-4.27	-54.89	≤-24.27	PASS
11N20	Ant1	2412	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-70	≤-23.77	PASS
			1000~26500	-3.77	-54.99	≤-23.77	PASS
		2437	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-69.99	≤-24.52	PASS
			1000~26500	-4.52	-54.5	≤-24.52	PASS
		2462	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-70.14	≤-23.56	PASS
			1000~26500	-3.56	-55.43	≤-23.56	PASS
11N40	Ant1	2422	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-70.7	≤-23.91	PASS
			1000~26500	-3.91	-55.85	≤-23.91	PASS
		2437	Reference	-4.53	-4.53	---	PASS
			30~1000	-4.53	-70.19	≤-24.53	PASS
			1000~26500	-4.53	-55.46	≤-24.53	PASS
		2452	Reference	-4.82	-4.82	---	PASS
			30~1000	-4.82	-70.43	≤-24.82	PASS
			1000~26500	-4.82	-55.33	≤-24.82	PASS

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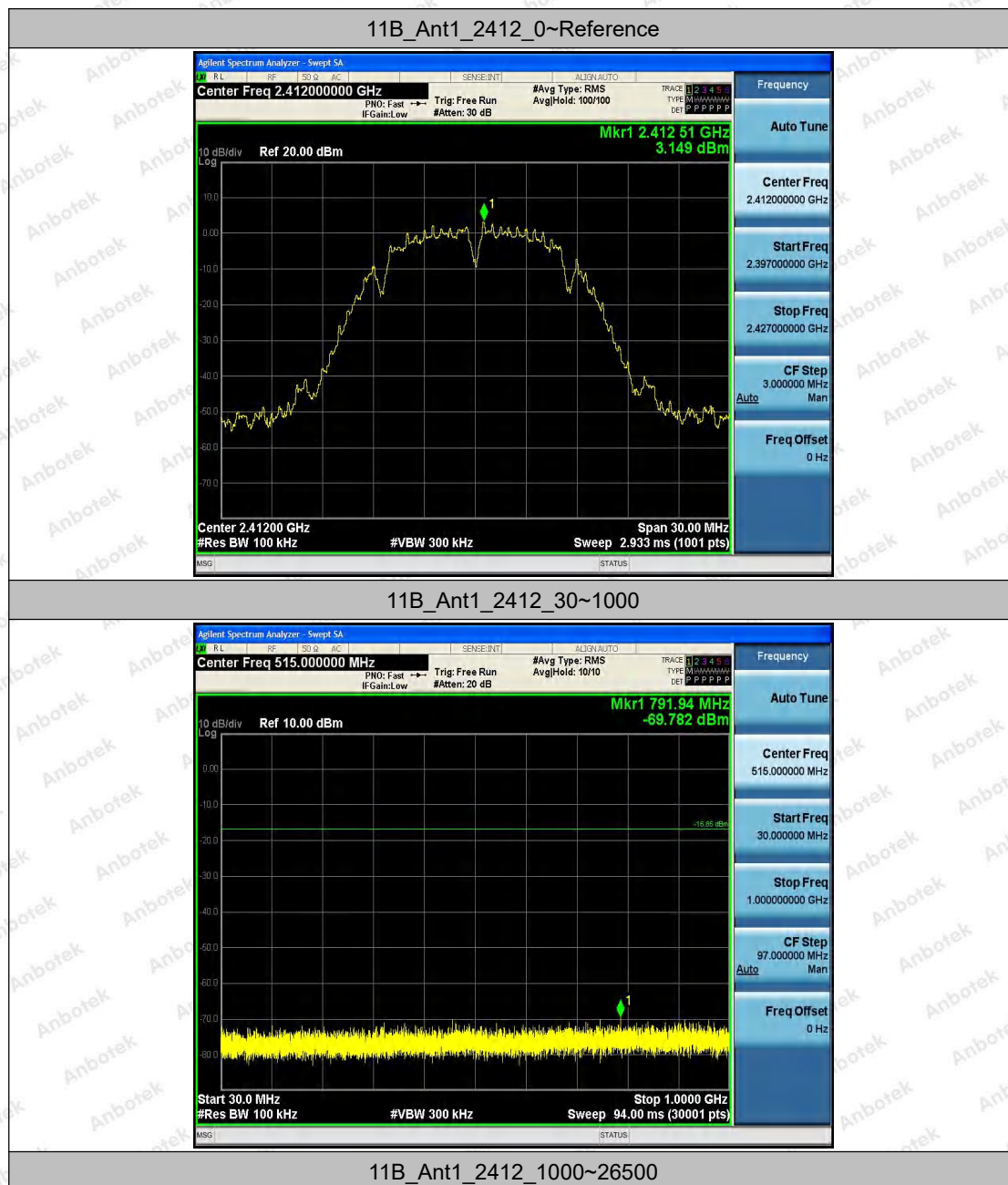


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Test Graphs

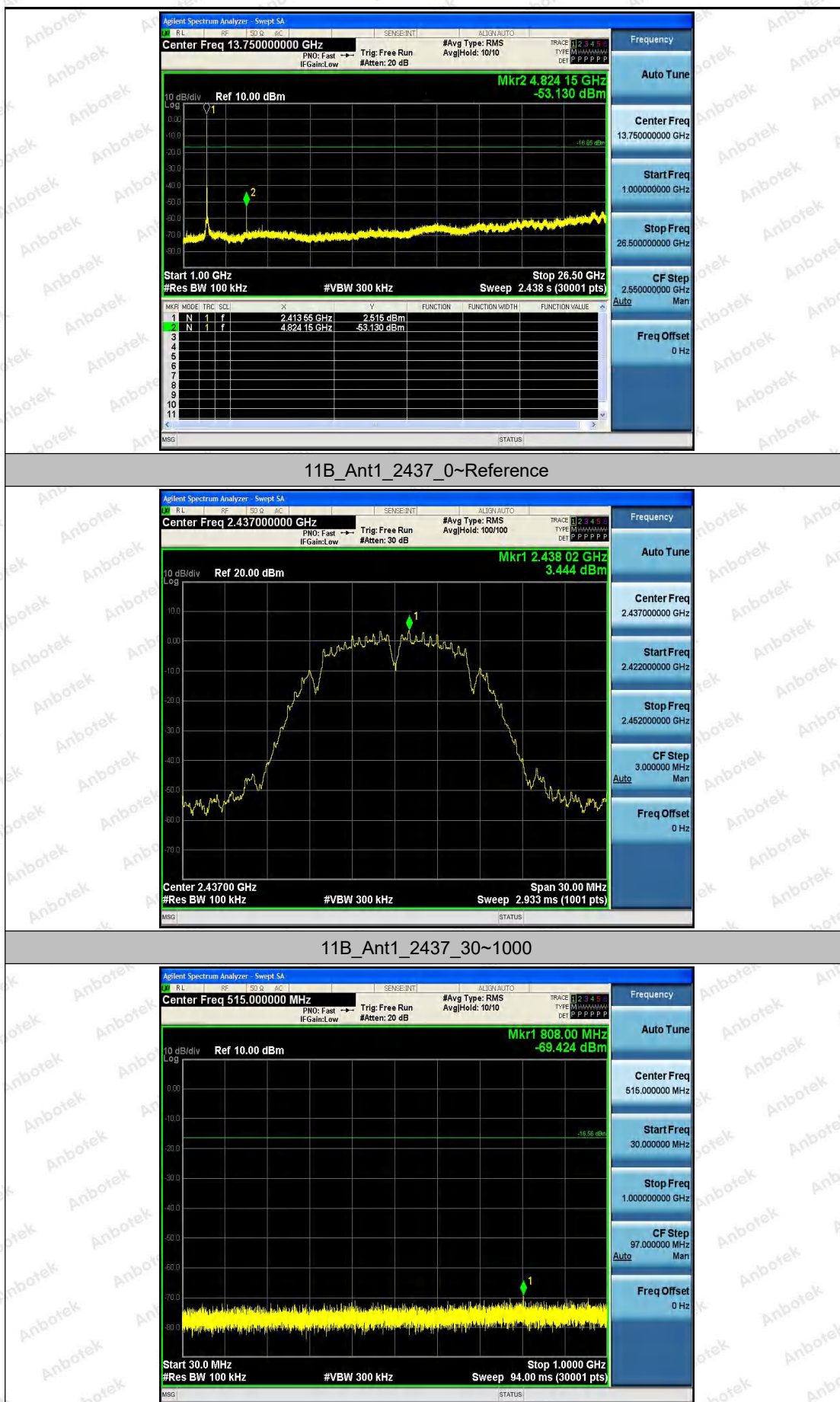


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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



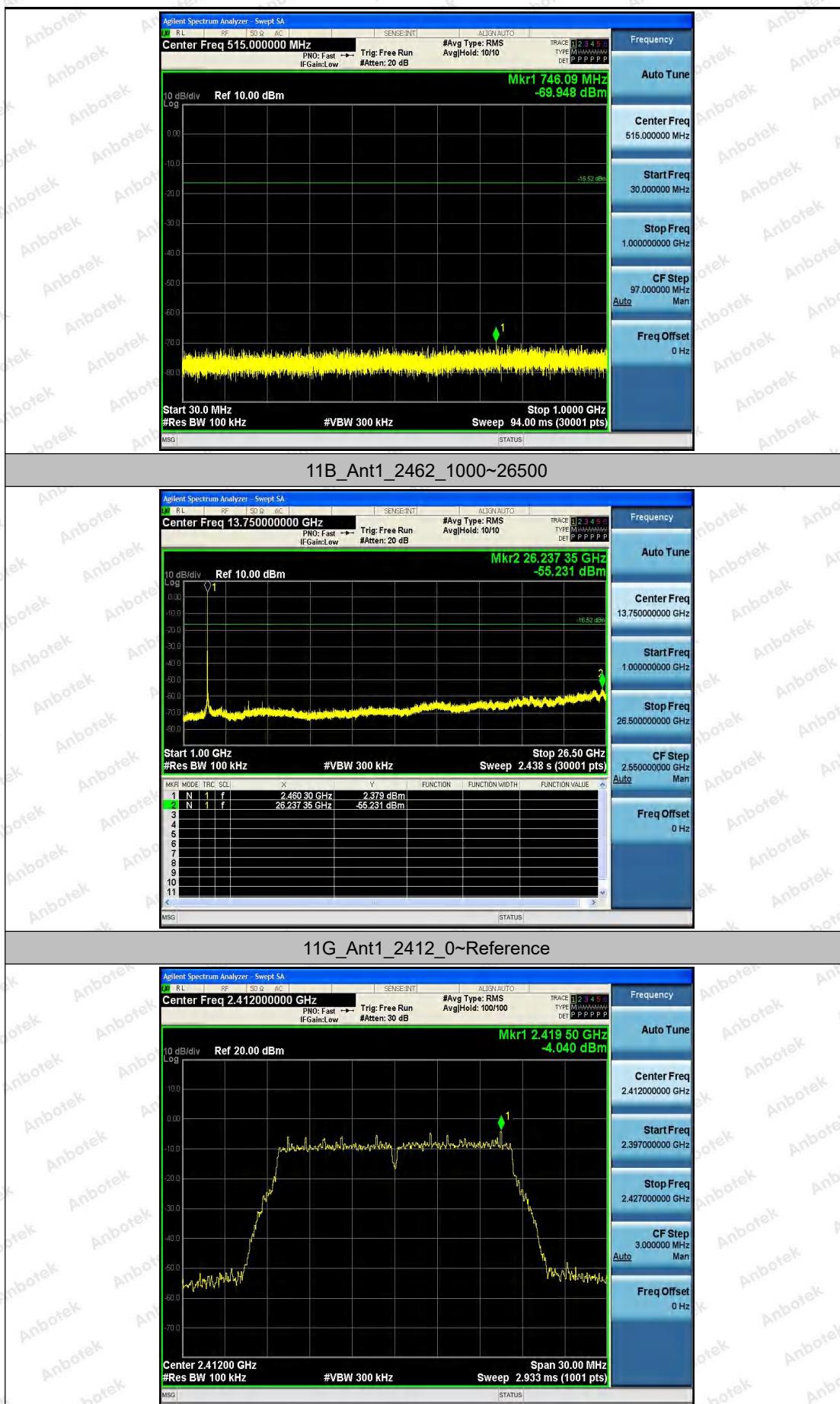
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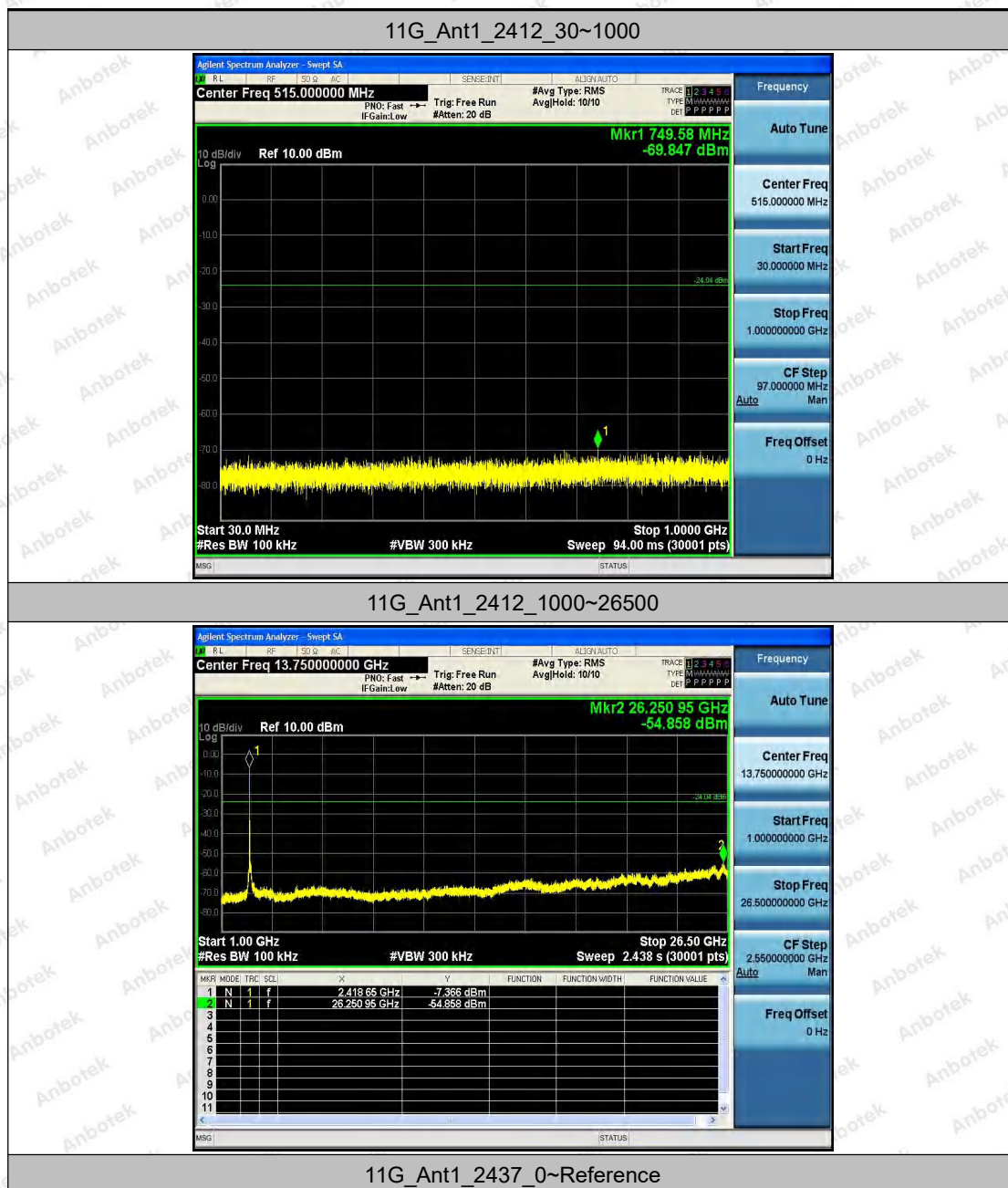


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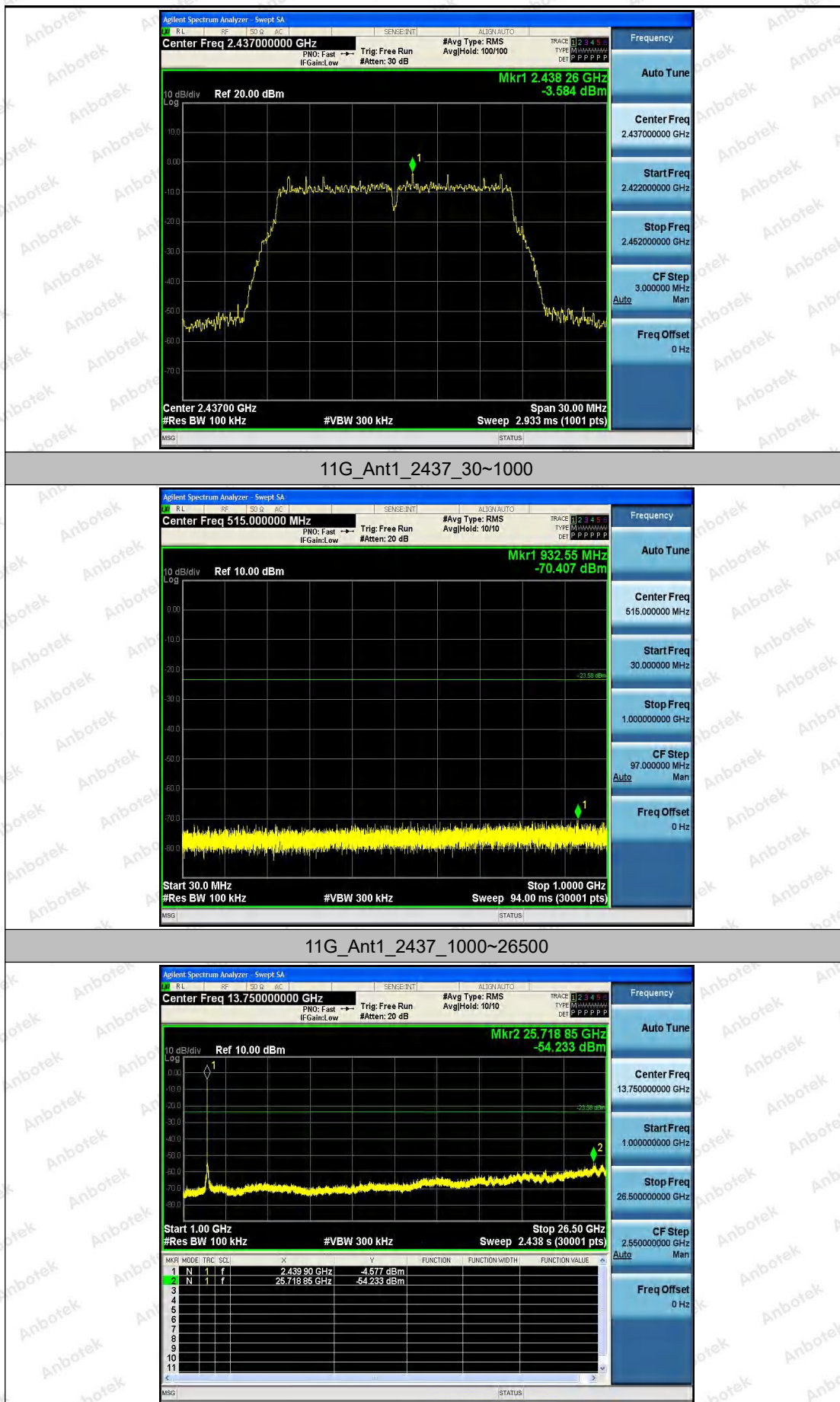


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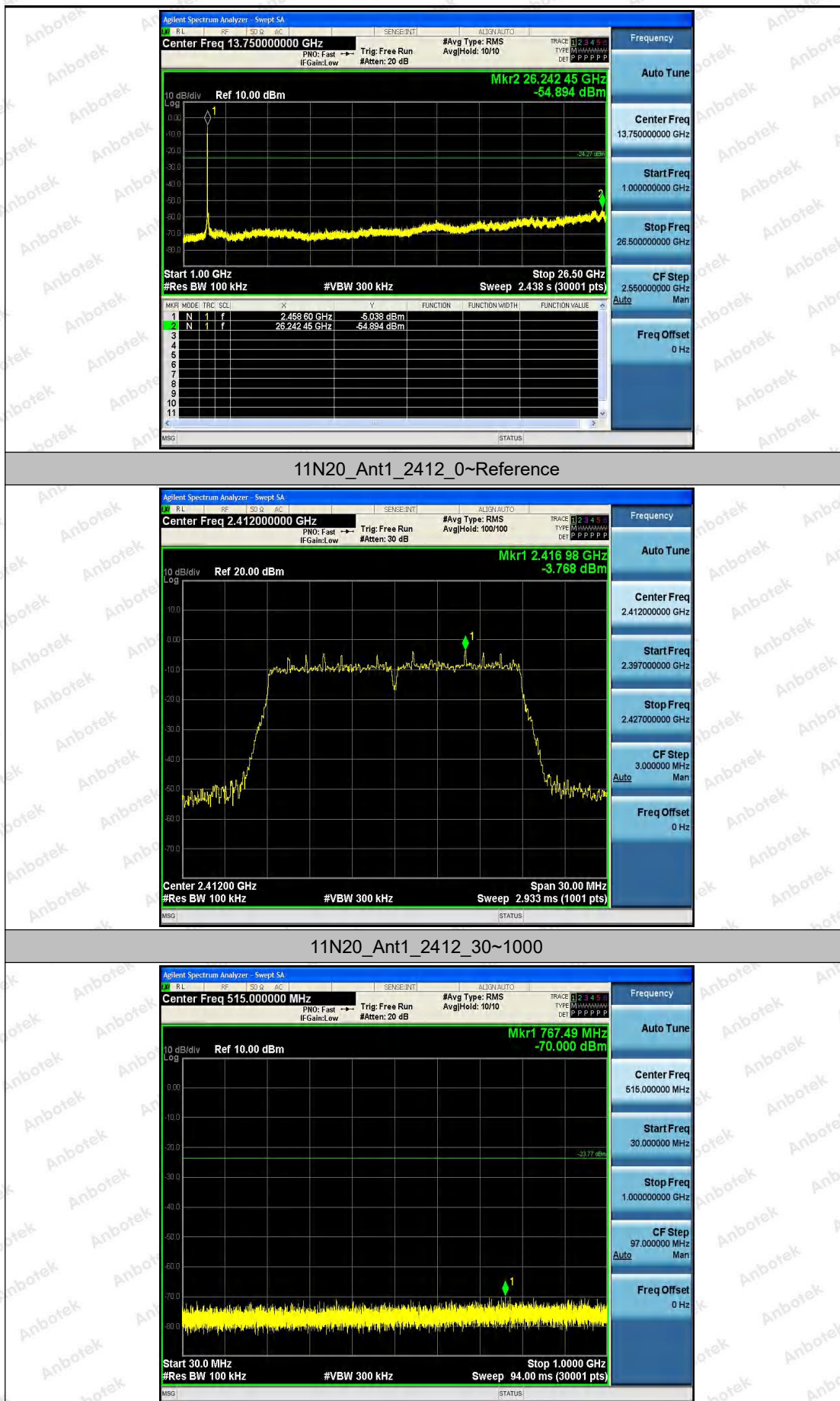


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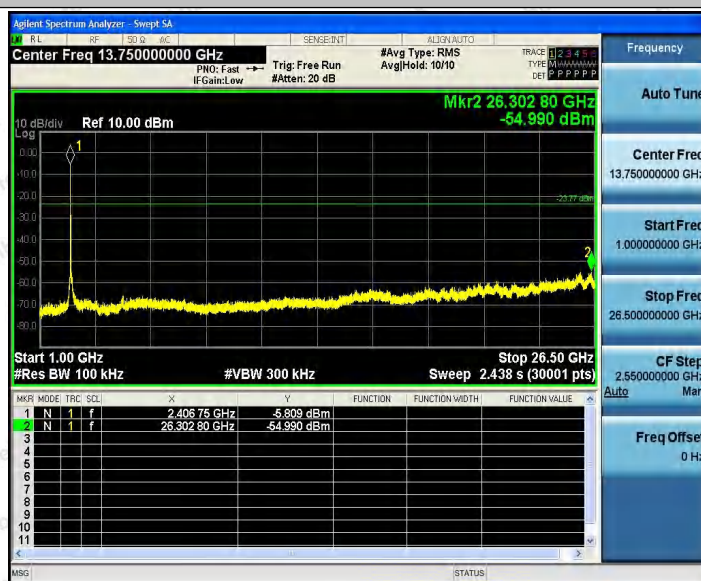
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



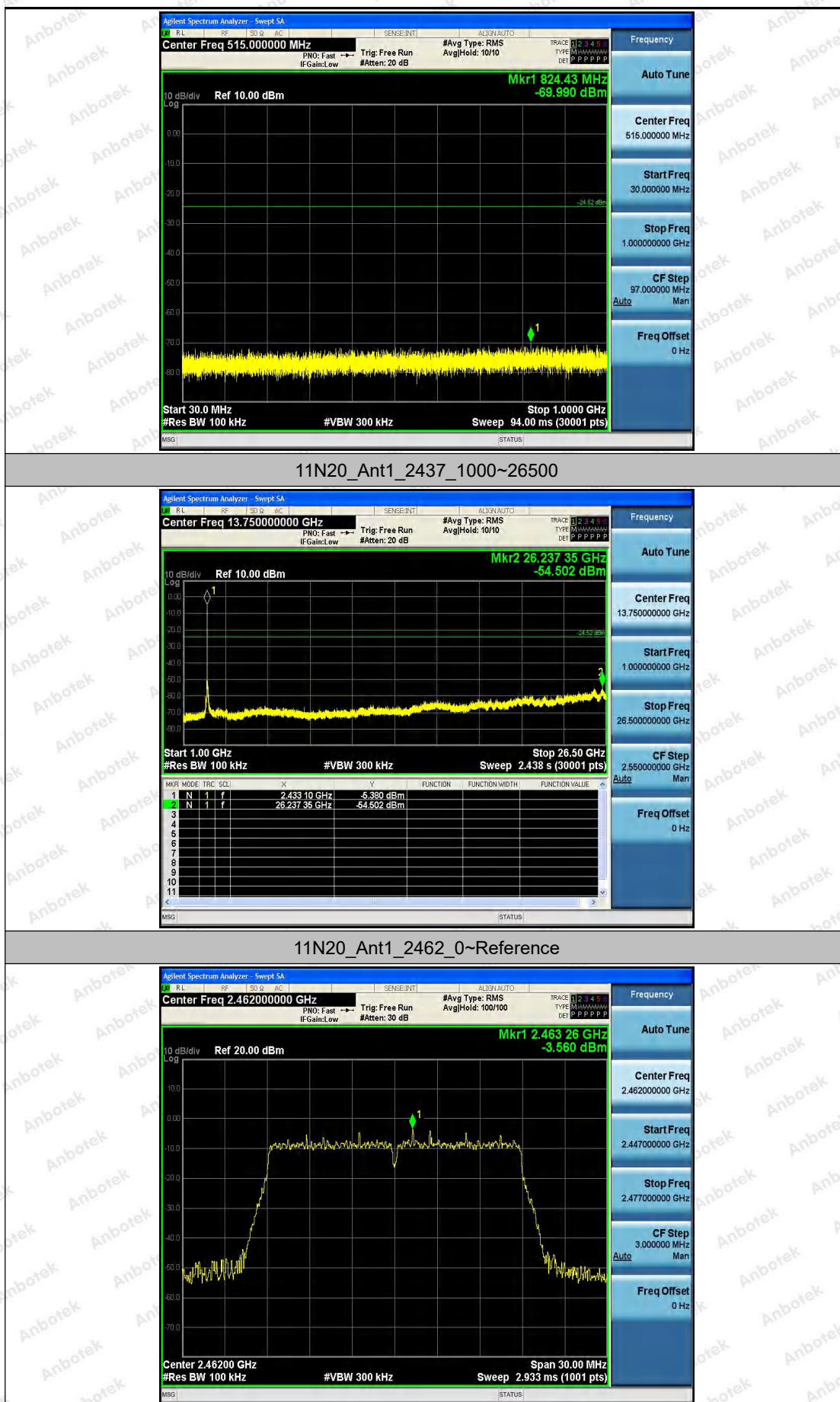
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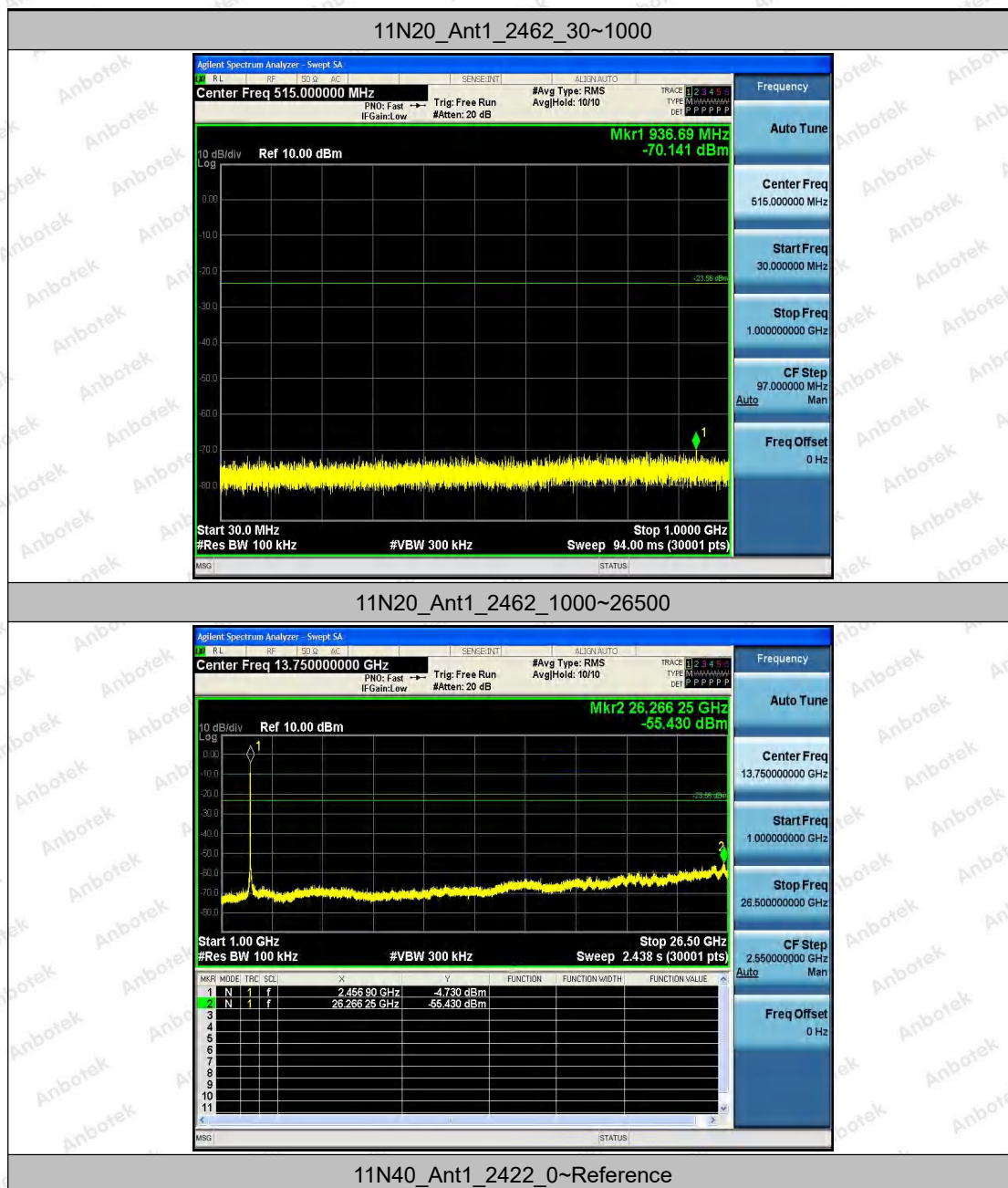


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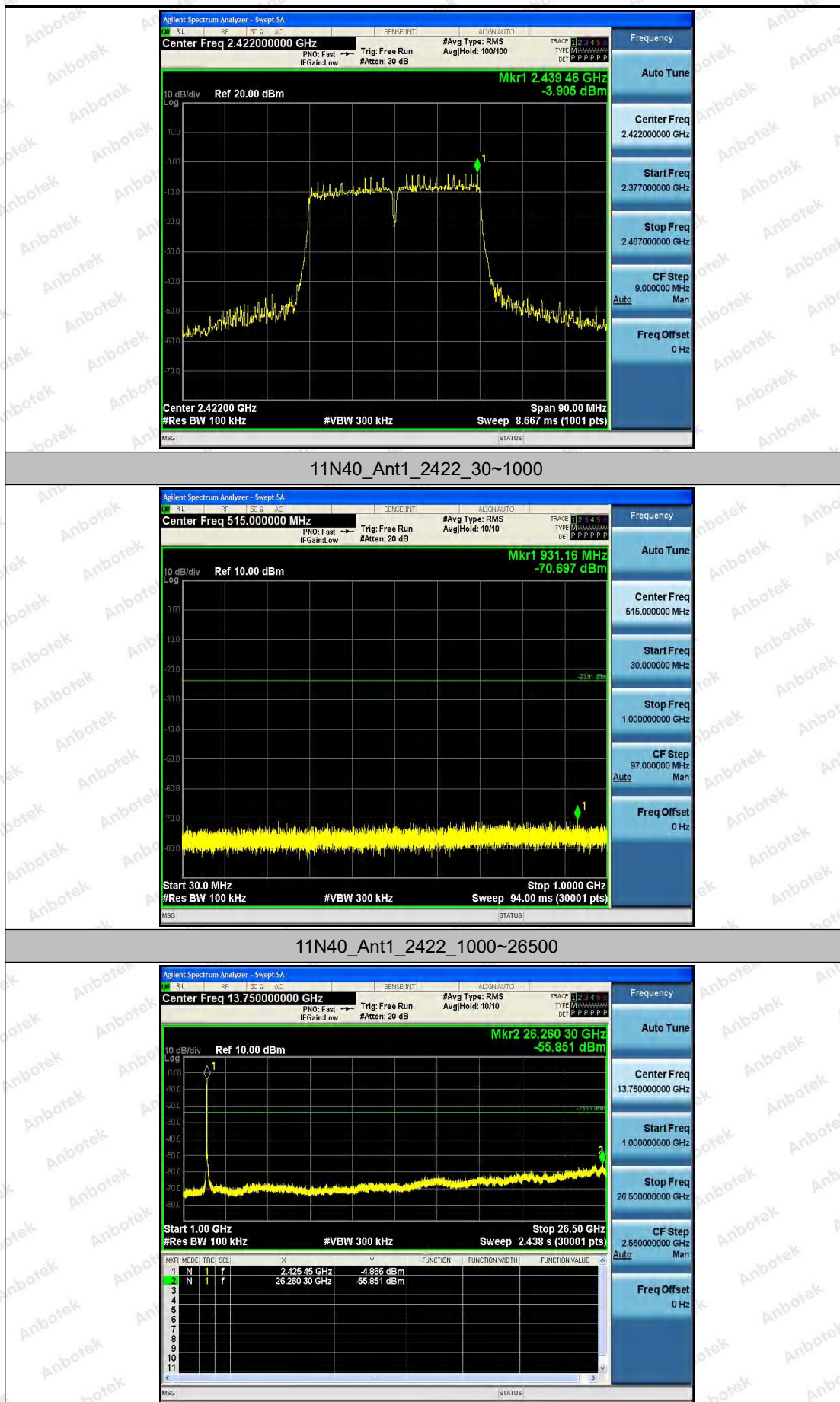


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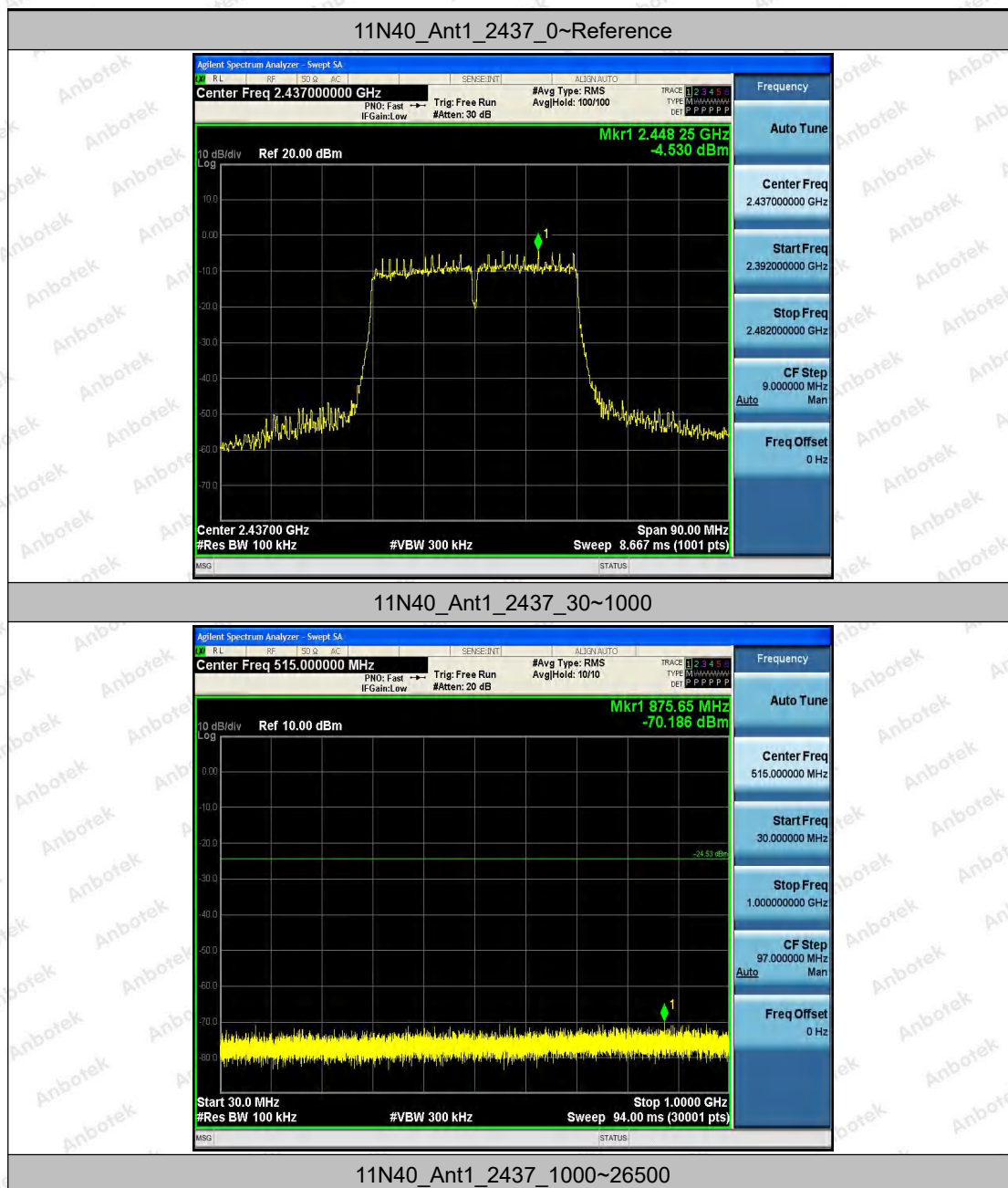


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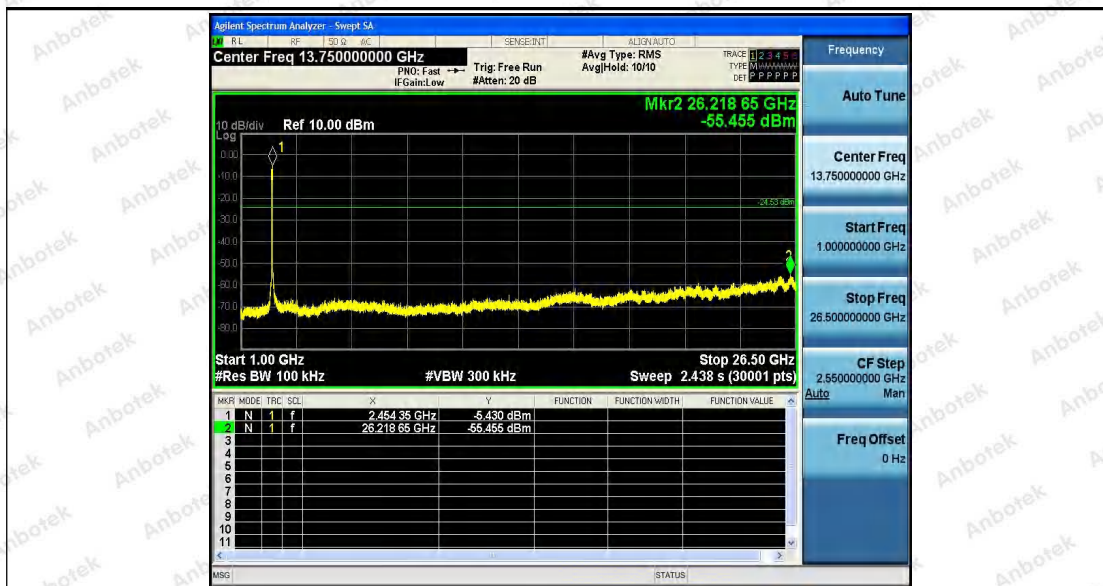


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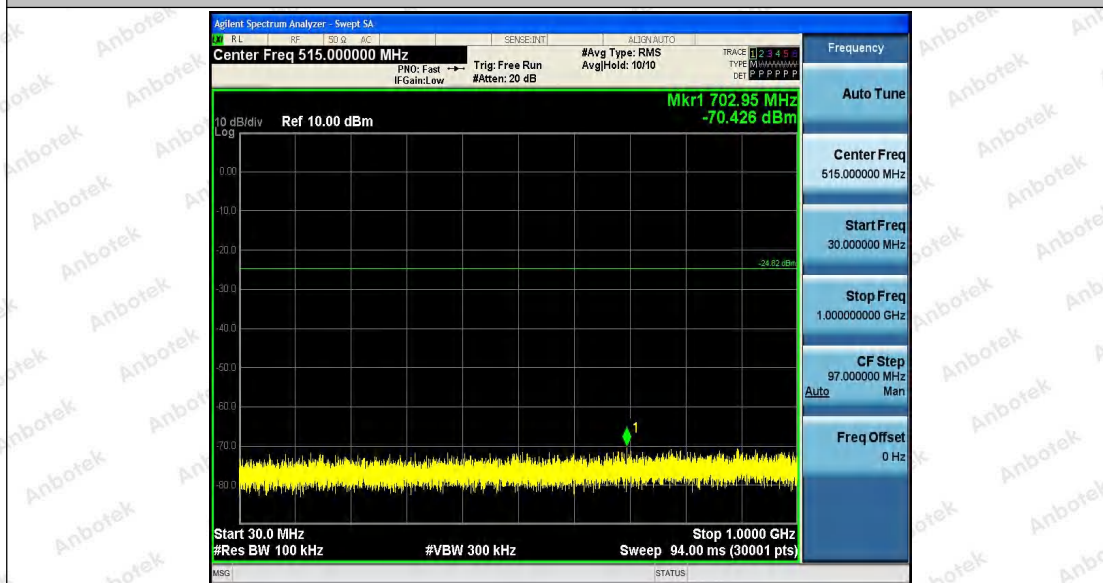
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11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

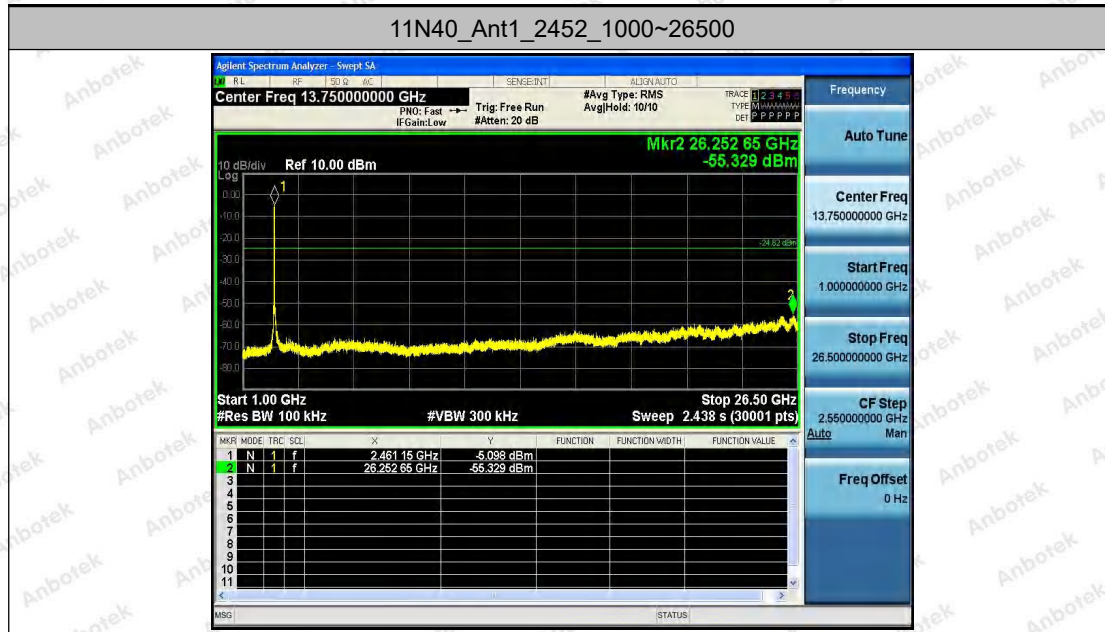


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Hotline
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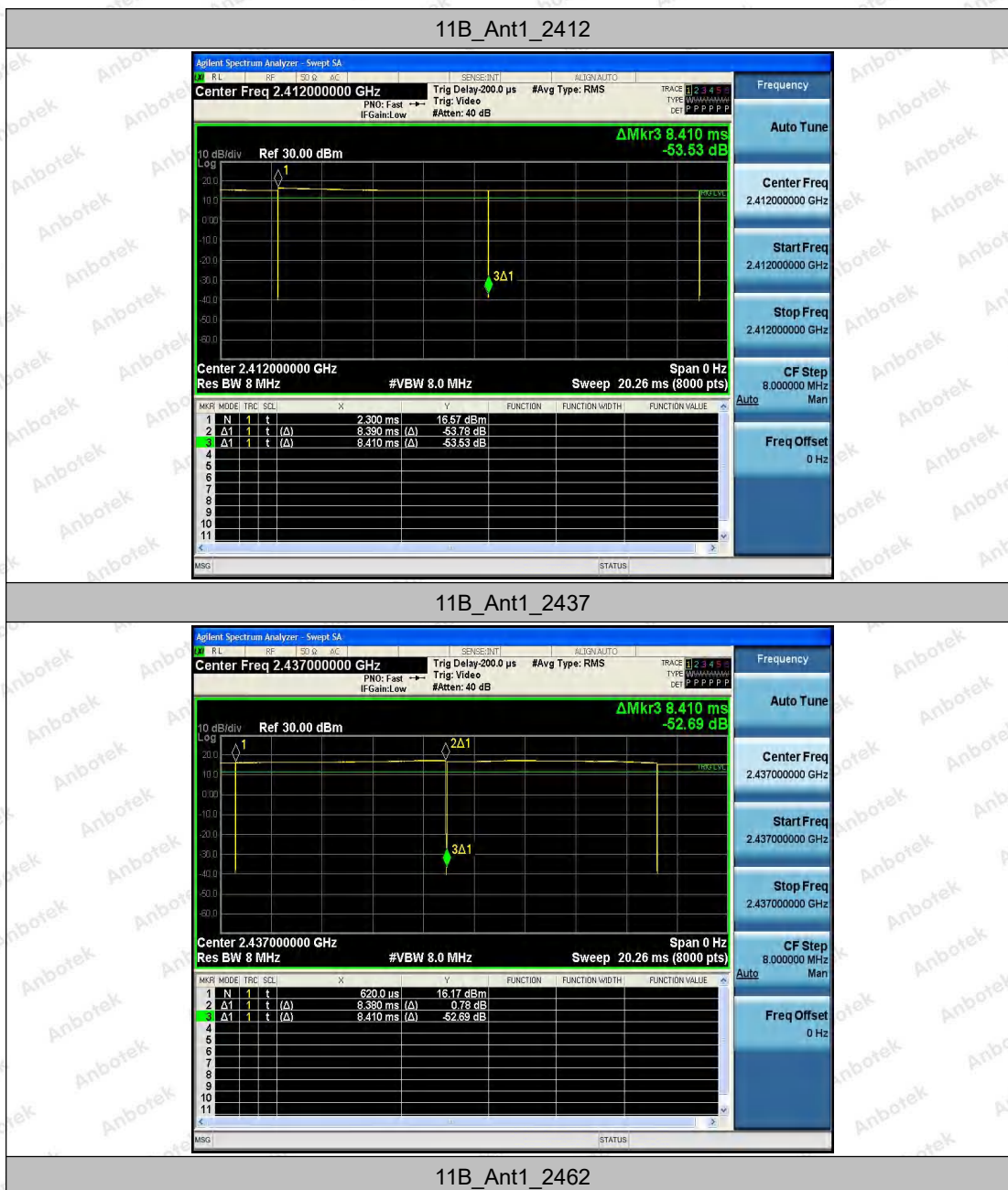
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.41	99.76	---	PASS
		2437	8.38	8.41	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	1.30	1.33	97.74	---	PASS
		2462	1.30	1.34	97.01	---	PASS
11N40	Ant1	2422	0.65	0.69	94.20	---	PASS
		2437	0.65	0.69	94.20	---	PASS
		2452	0.65	0.69	94.20	---	PASS

Test Graphs

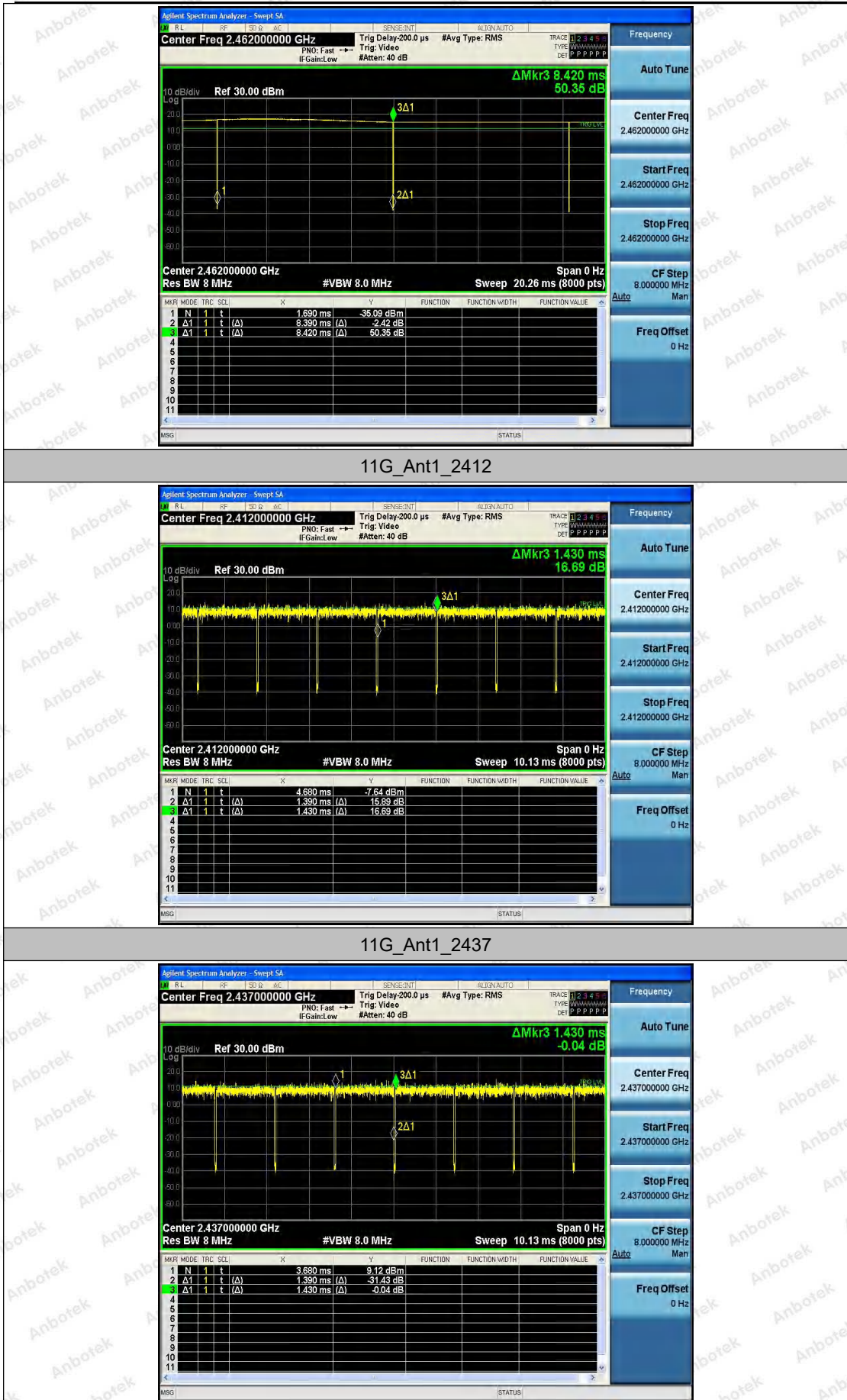


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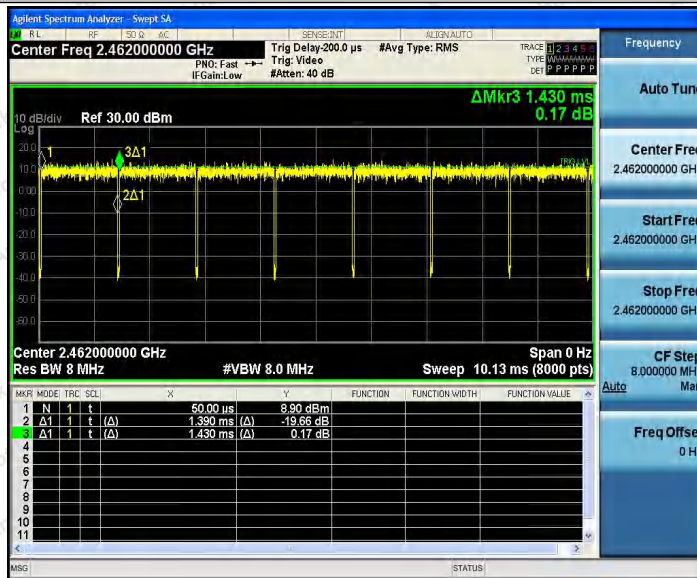
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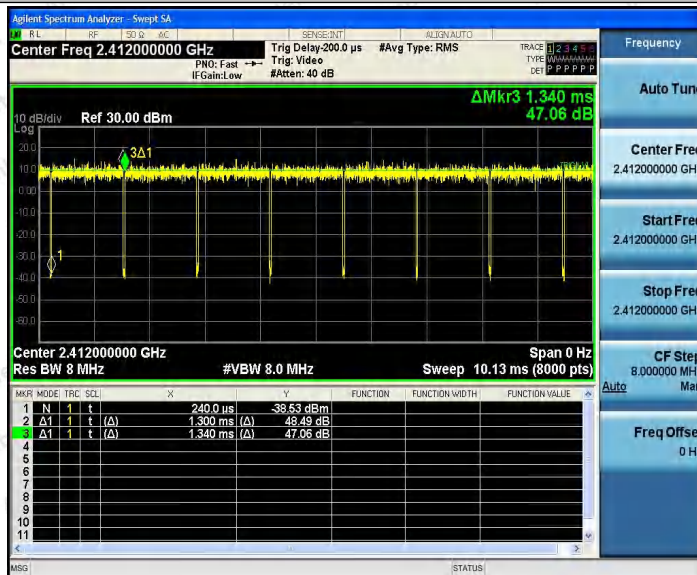
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11G_Ant1_2462



11N20_Ant1_2412



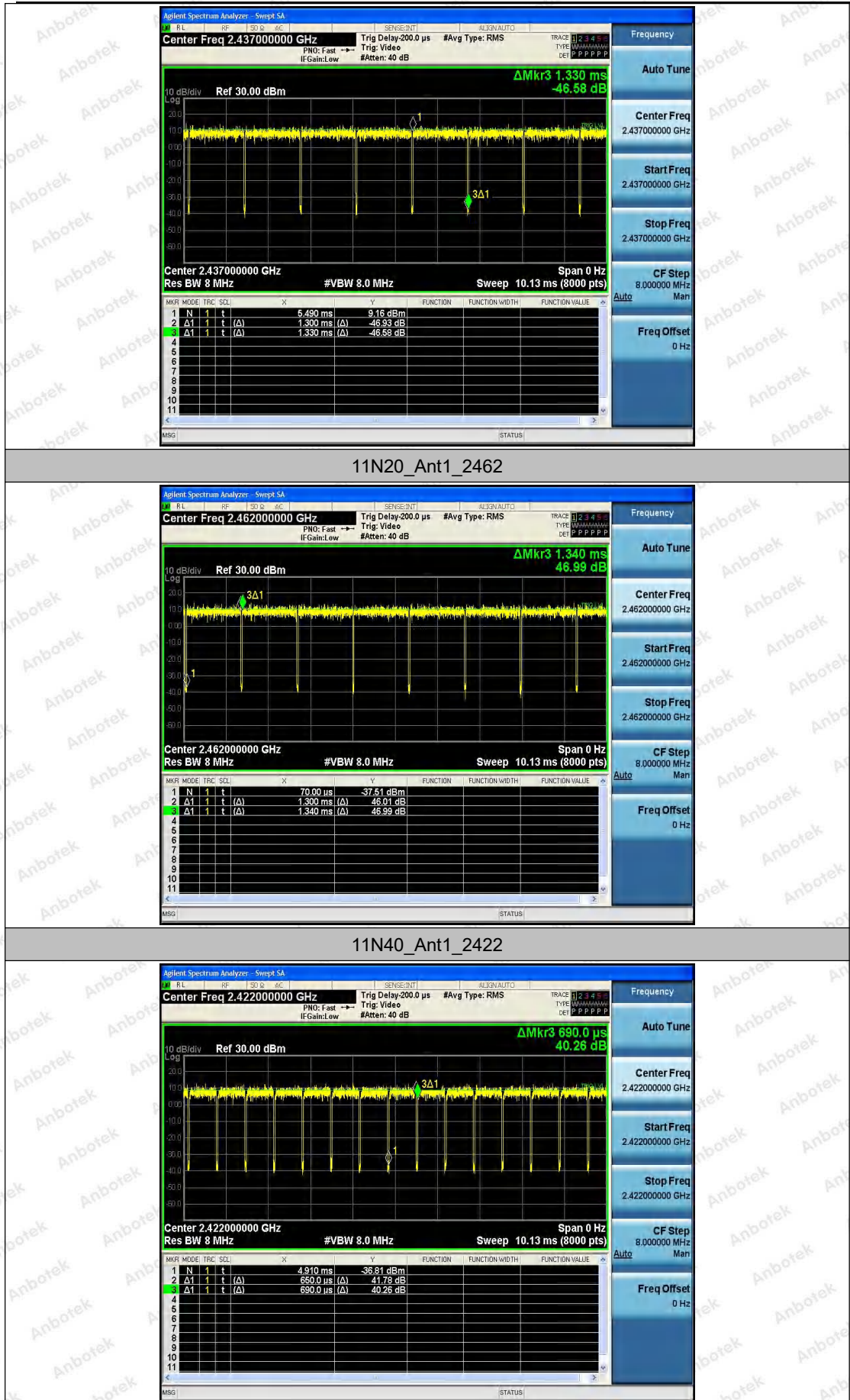
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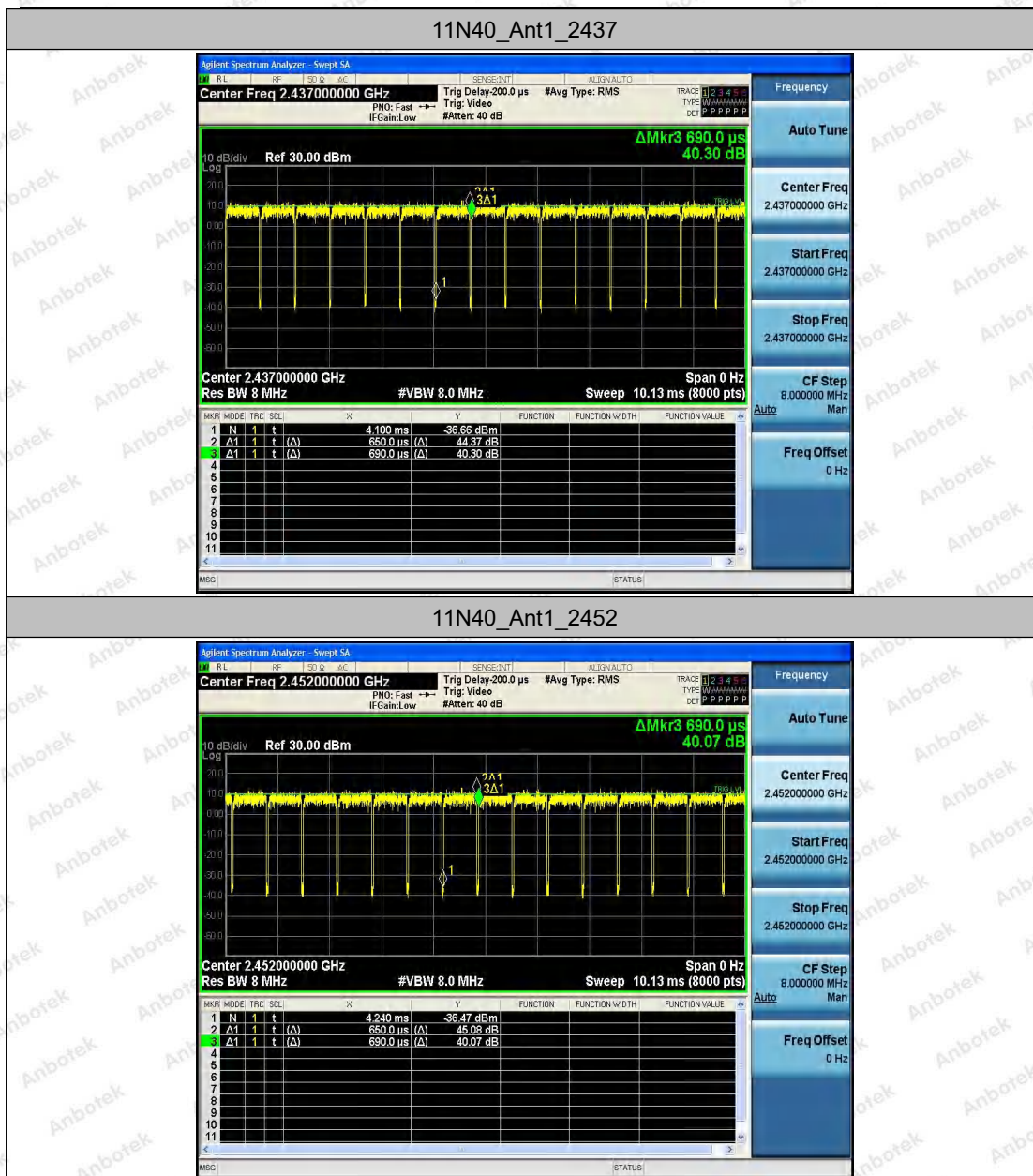


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