

Appendix Test Data

Report No.:	18220WC20078203	Test Sample No.:	1-2-2
Start Test Date:	2022.4.15	Finish Test Date:	2022.4.20
Test Engineer:	<i>Tony 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	7.840	2407.960	2415.800	≥0.5	PASS
		2437	6.840	2433.680	2440.520	≥0.5	PASS
		2462	7.960	2458.040	2466.000	≥0.5	PASS
11G	Ant1	2412	15.240	2404.360	2419.600	≥0.5	PASS
		2437	15.240	2429.360	2444.600	≥0.5	PASS
		2462	15.200	2454.400	2469.600	≥0.5	PASS
11N20	Ant1	2412	15.240	2404.360	2419.600	≥0.5	PASS
		2437	15.920	2429.360	2445.280	≥0.5	PASS
		2462	15.240	2454.360	2469.600	≥0.5	PASS

Test Graphs

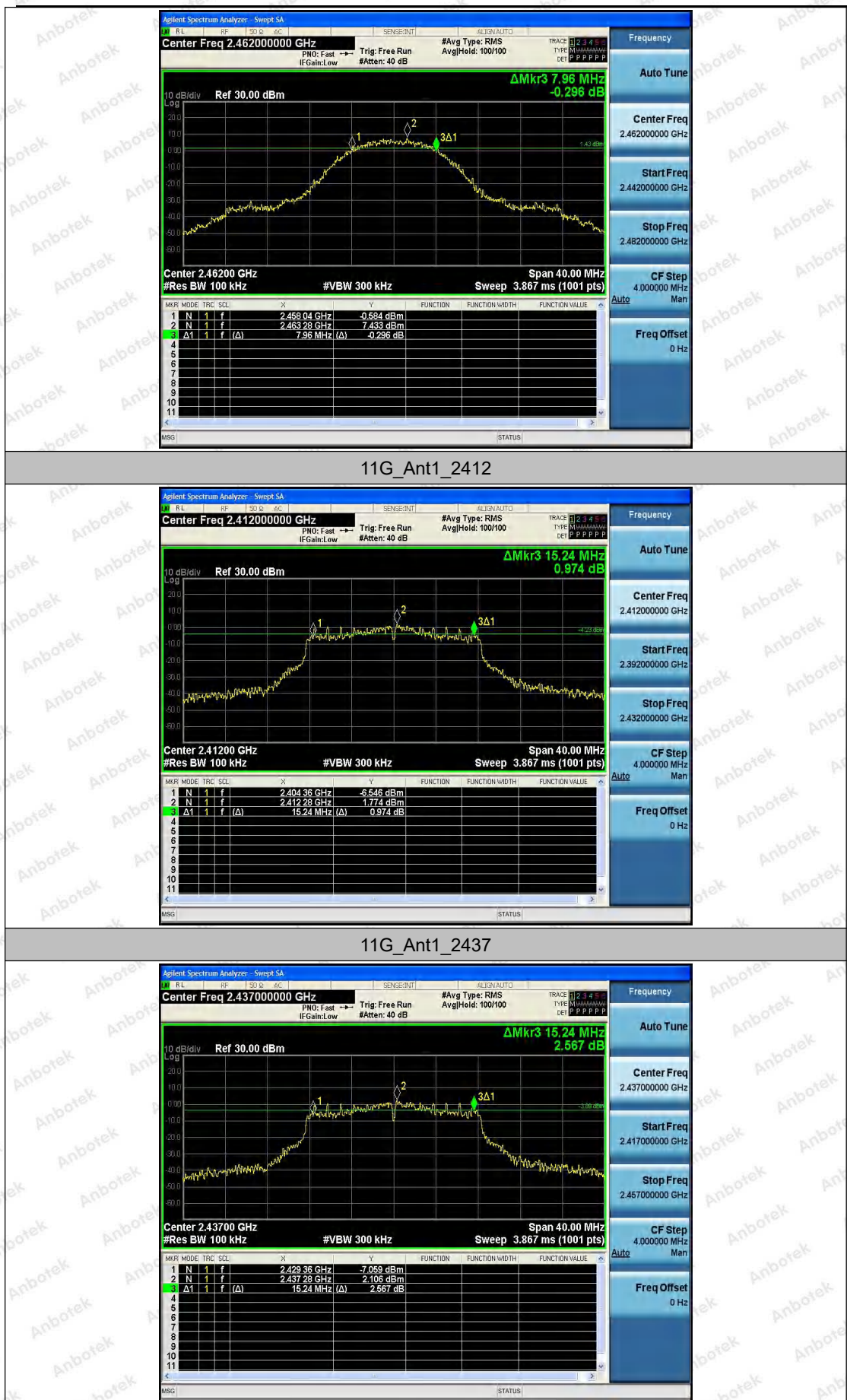


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11G_Ant1_2462



11N20_Ant1_2412



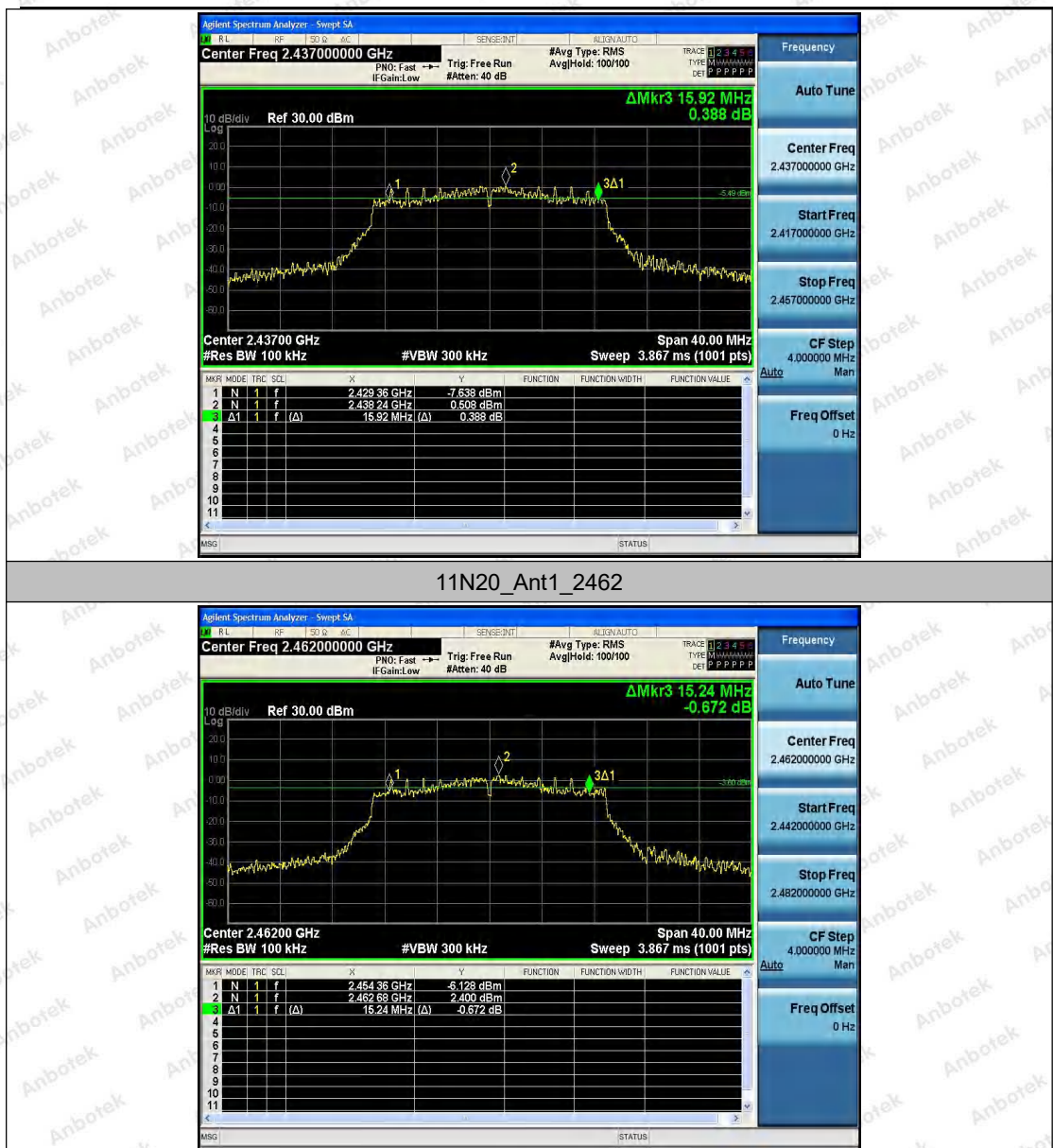
11N20_Ant1_2437

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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	11.364	2406.310	2417.674	---	PASS
		2437	11.378	2431.375	2442.753	---	PASS
		2462	11.317	2456.379	2467.696	---	PASS
11G	Ant1	2412	16.614	2403.700	2420.314	---	PASS
		2437	16.577	2428.792	2445.369	---	PASS
		2462	16.410	2453.826	2470.236	---	PASS
11N20	Ant1	2412	17.832	2403.048	2420.880	---	PASS
		2437	17.803	2428.167	2445.970	---	PASS
		2462	17.591	2453.230	2470.821	---	PASS

Test Graphs

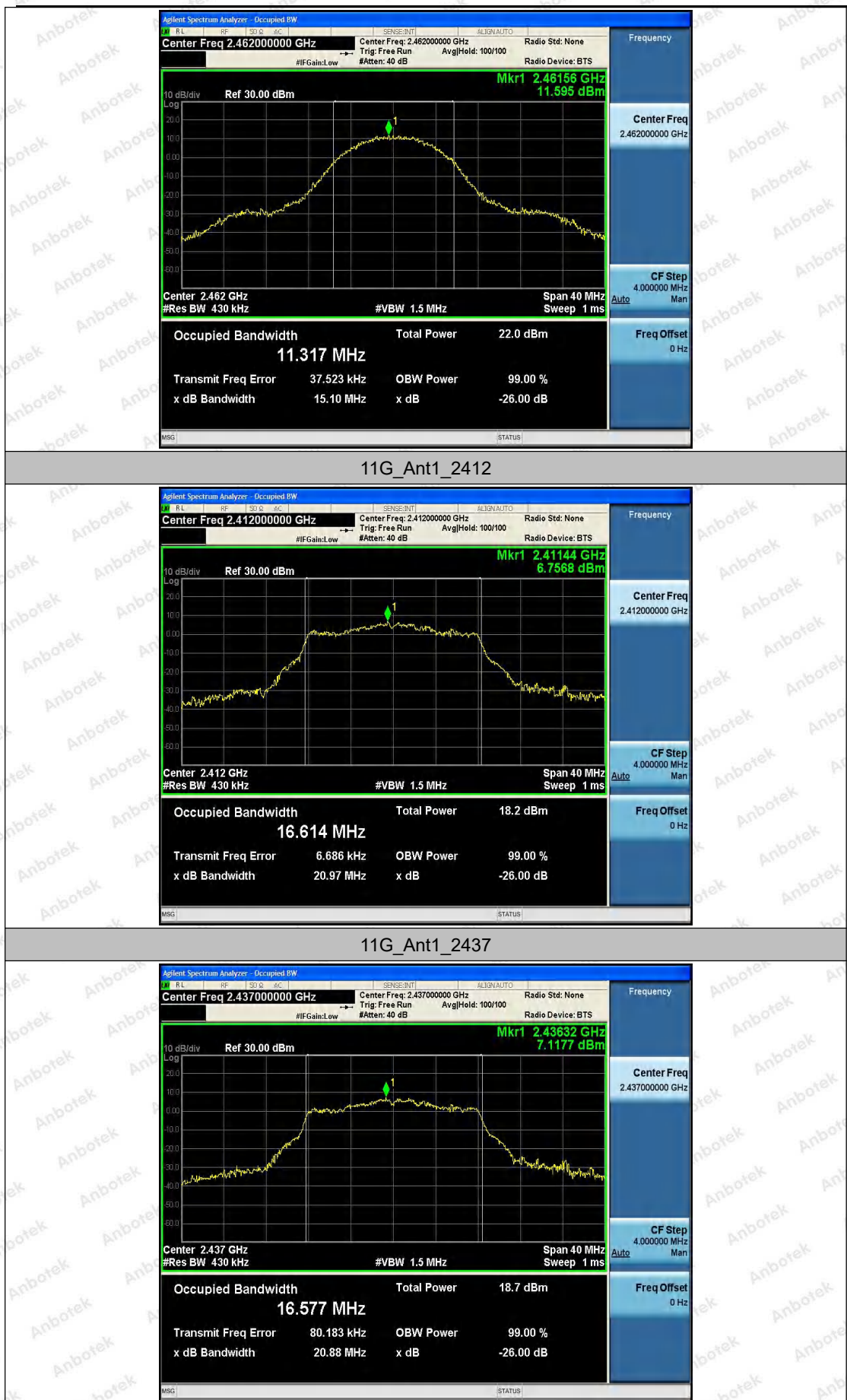


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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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Appendix C: Maximum conducted output power

Test Result

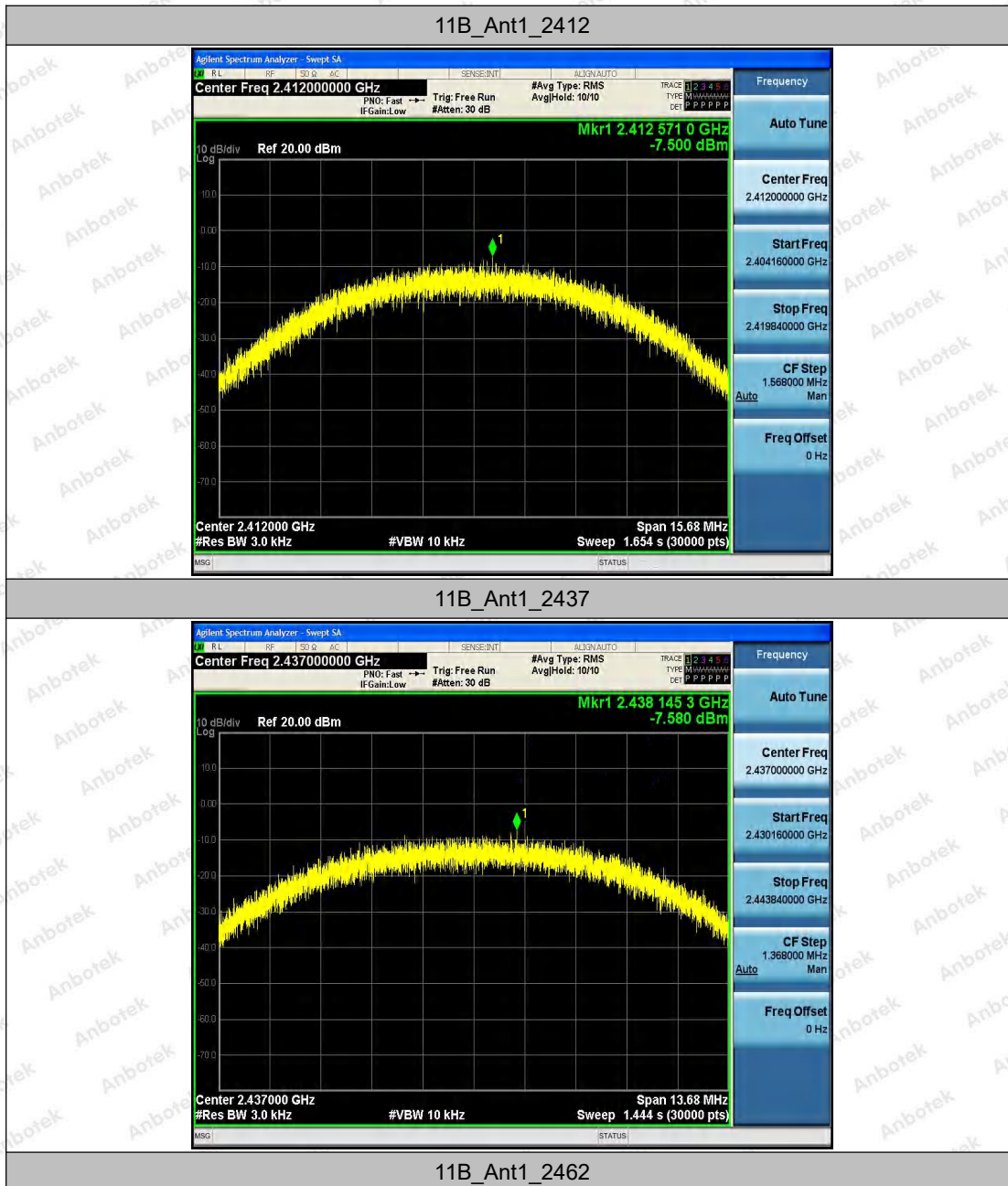
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	18.10	≤30	PASS
		2437	18.51	≤30	PASS
		2462	19.61	≤30	PASS
11G	Ant1	2412	16.72	≤30	PASS
		2437	17.00	≤30	PASS
		2462	18.42	≤30	PASS
11N20	Ant1	2412	15.97	≤30	PASS
		2437	16.26	≤30	PASS
		2462	17.40	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.5	≤8	PASS
		2437	-7.58	≤8	PASS
		2462	-6.75	≤8	PASS
11G	Ant1	2412	-13.58	≤8	PASS
		2437	-13.21	≤8	PASS
		2462	-11.51	≤8	PASS
11N20	Ant1	2412	-12.32	≤8	PASS
		2437	-11	≤8	PASS
		2462	-10.1	≤8	PASS

Test Graphs



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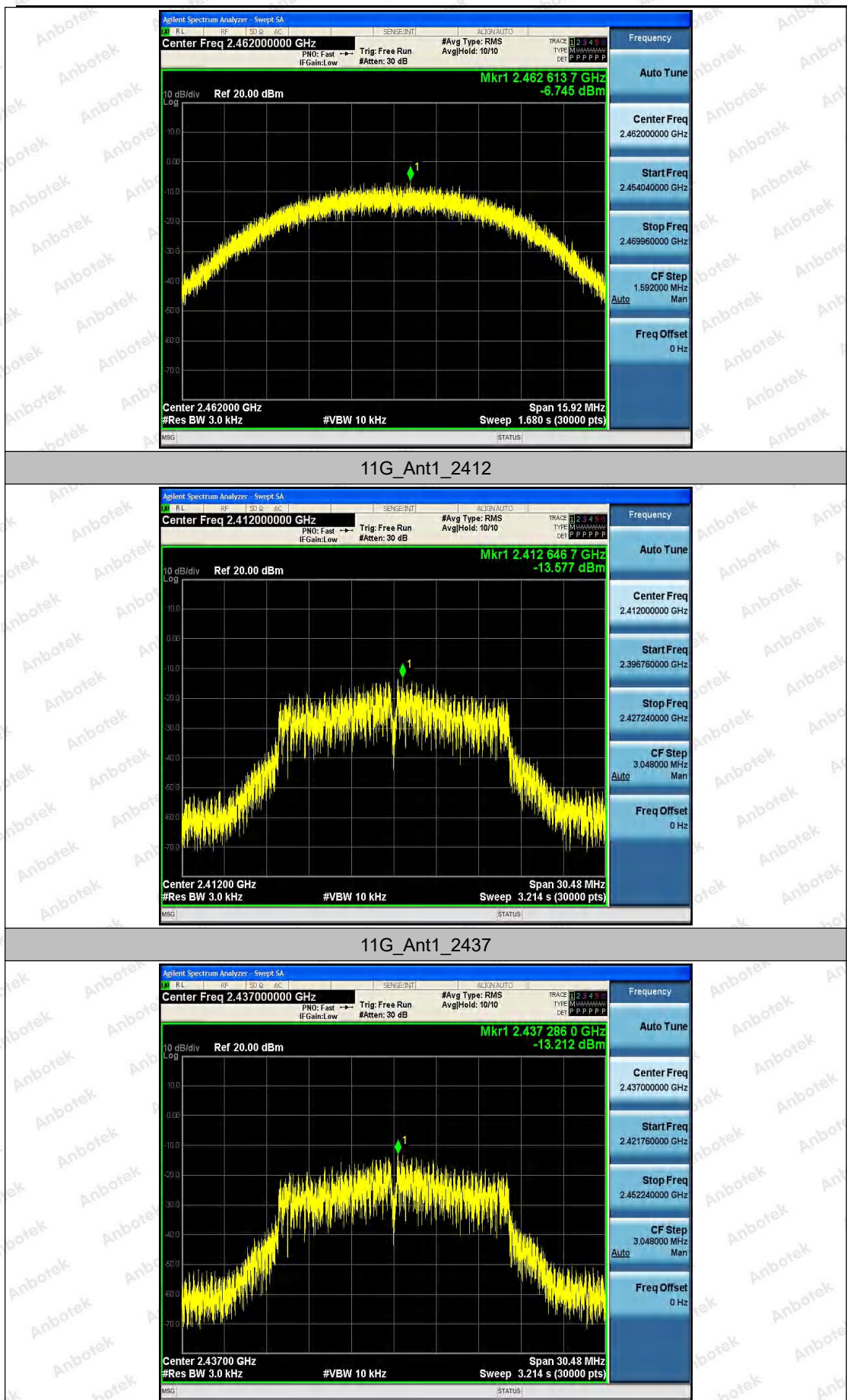
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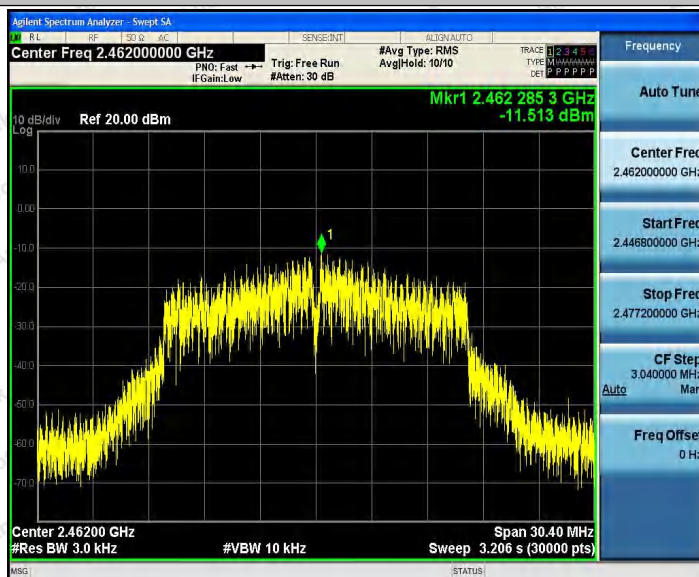
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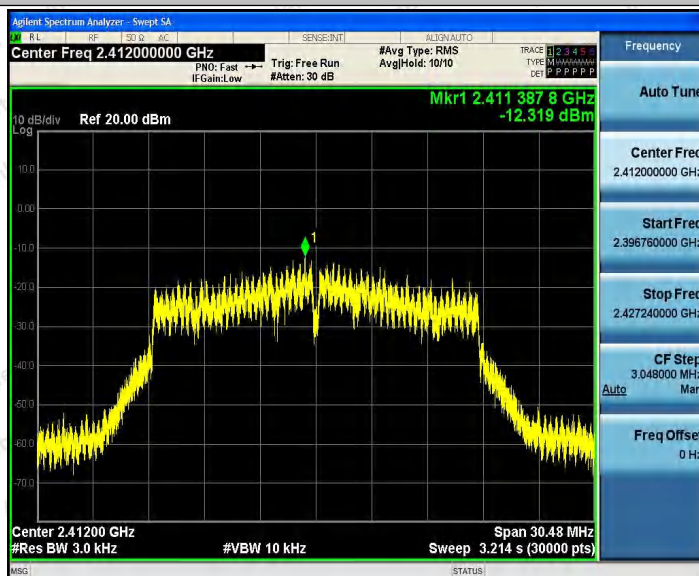
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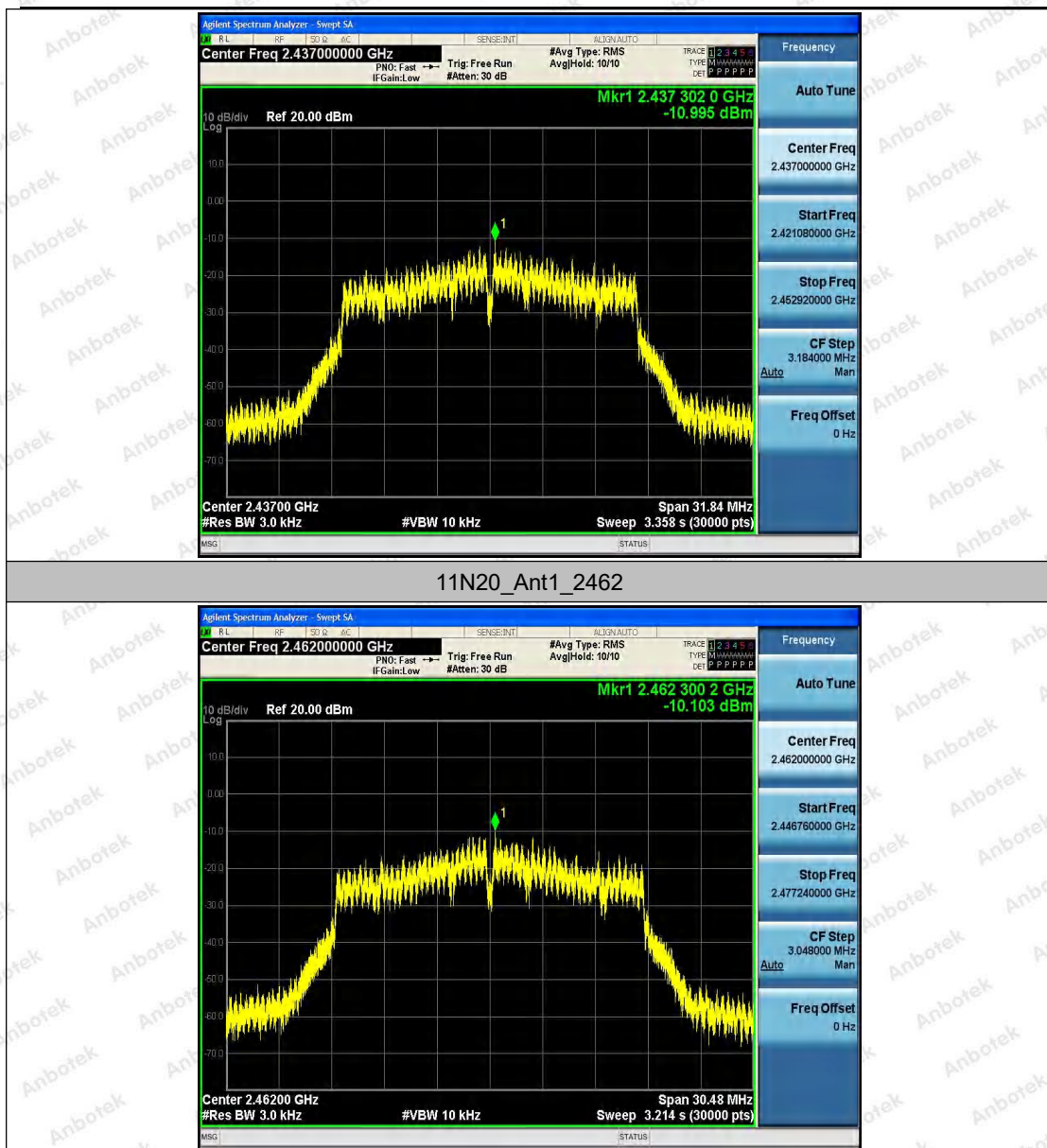
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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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	5.61	-30.46	≤-14.4	PASS
		High	2462	8.97	-47.48	≤-11.03	PASS
11G	Ant1	Low	2412	2.02	-36.07	≤-17.98	PASS
		High	2462	3.88	-42.36	≤-16.13	PASS
11N20	Ant1	Low	2412	0.33	-34.45	≤-19.67	PASS
		High	2462	2.14	-40.44	≤-17.86	PASS

Test Graphs



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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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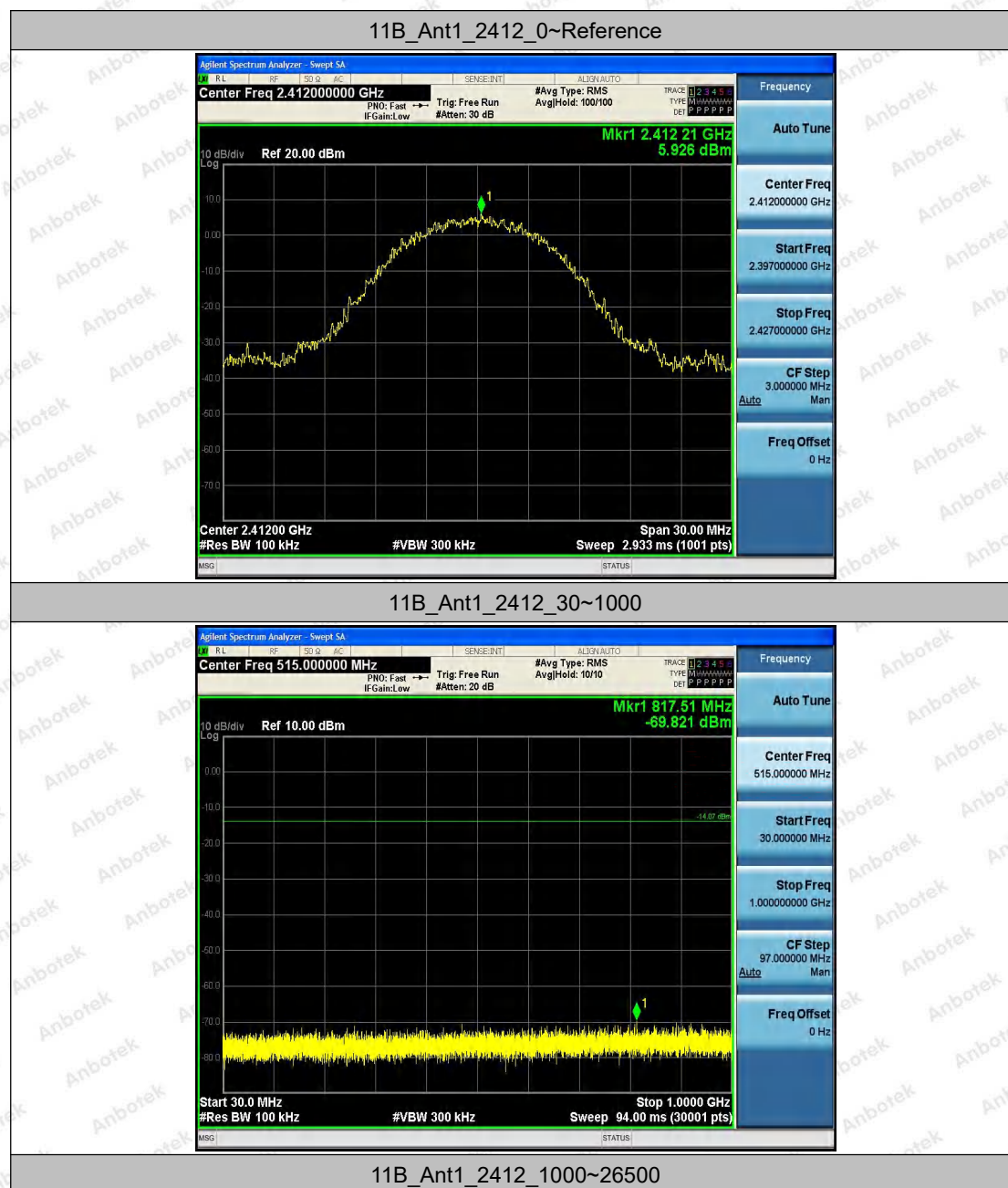
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.93	5.93	---	PASS
			30~1000	5.93	-69.82	≤-14.07	PASS
			1000~26500	5.93	-54.4	≤-14.07	PASS
		2437	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-70.41	≤-14	PASS
			1000~26500	6.00	-53.35	≤-14	PASS
		2462	Reference	8.04	8.04	---	PASS
			30~1000	8.04	-70.39	≤-11.96	PASS
			1000~26500	8.04	-49.89	≤-11.96	PASS
11G	Ant1	2412	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-70.56	≤-18.43	PASS
			1000~26500	1.57	-54.69	≤-18.43	PASS
		2437	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-70.55	≤-17.86	PASS
			1000~26500	2.14	-55.01	≤-17.86	PASS
		2462	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-70.83	≤-16.07	PASS
			1000~26500	3.93	-54.98	≤-16.07	PASS
11N20	Ant1	2412	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-70.05	≤-19.59	PASS
			1000~26500	0.41	-55.69	≤-19.59	PASS
		2437	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-64.03	≤-19.15	PASS
			1000~26500	0.86	-55.04	≤-19.15	PASS
		2462	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-70.11	≤-17.86	PASS
			1000~26500	2.14	-55.24	≤-17.86	PASS

Test Graphs

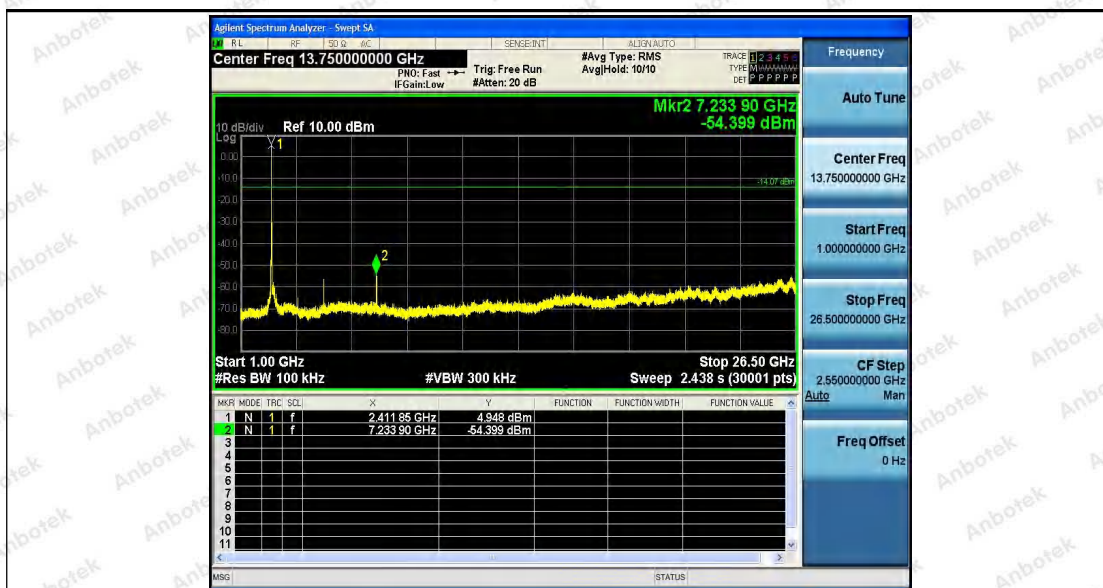


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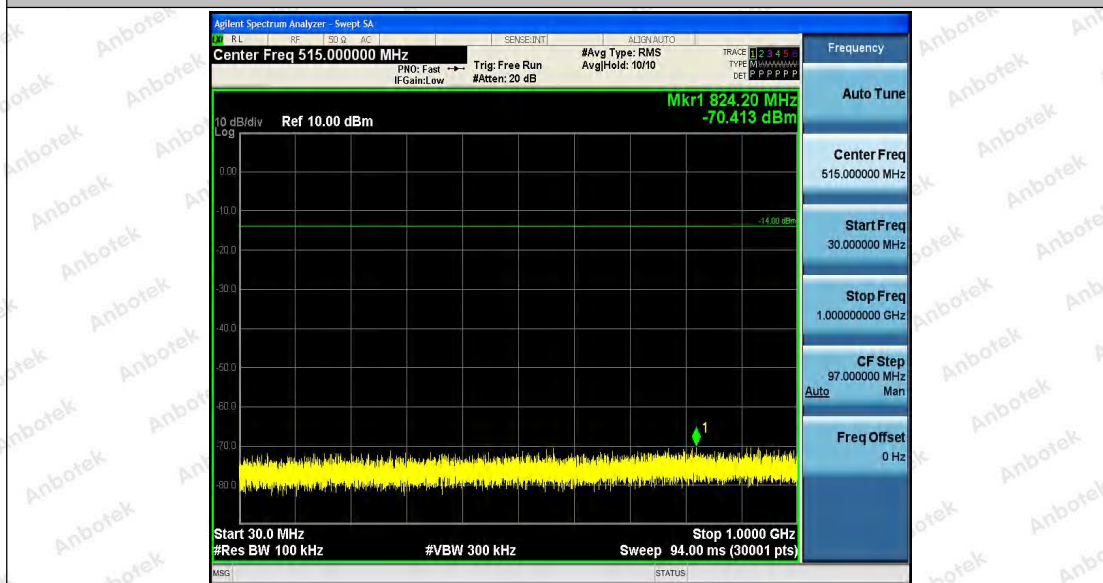
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



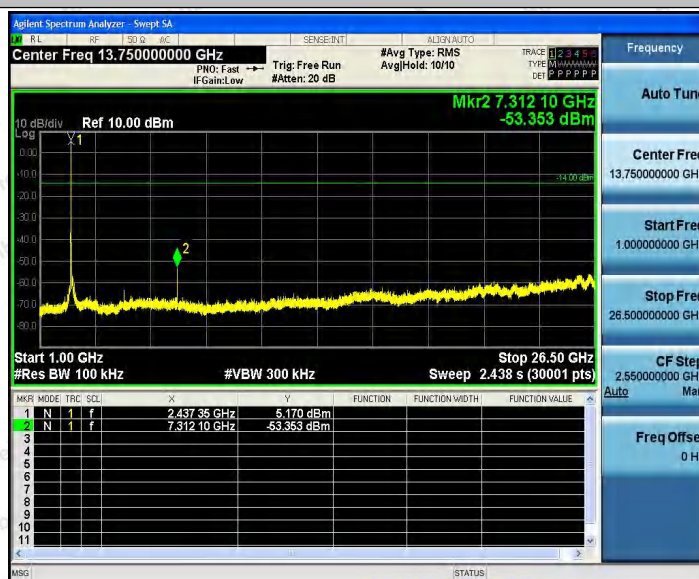
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



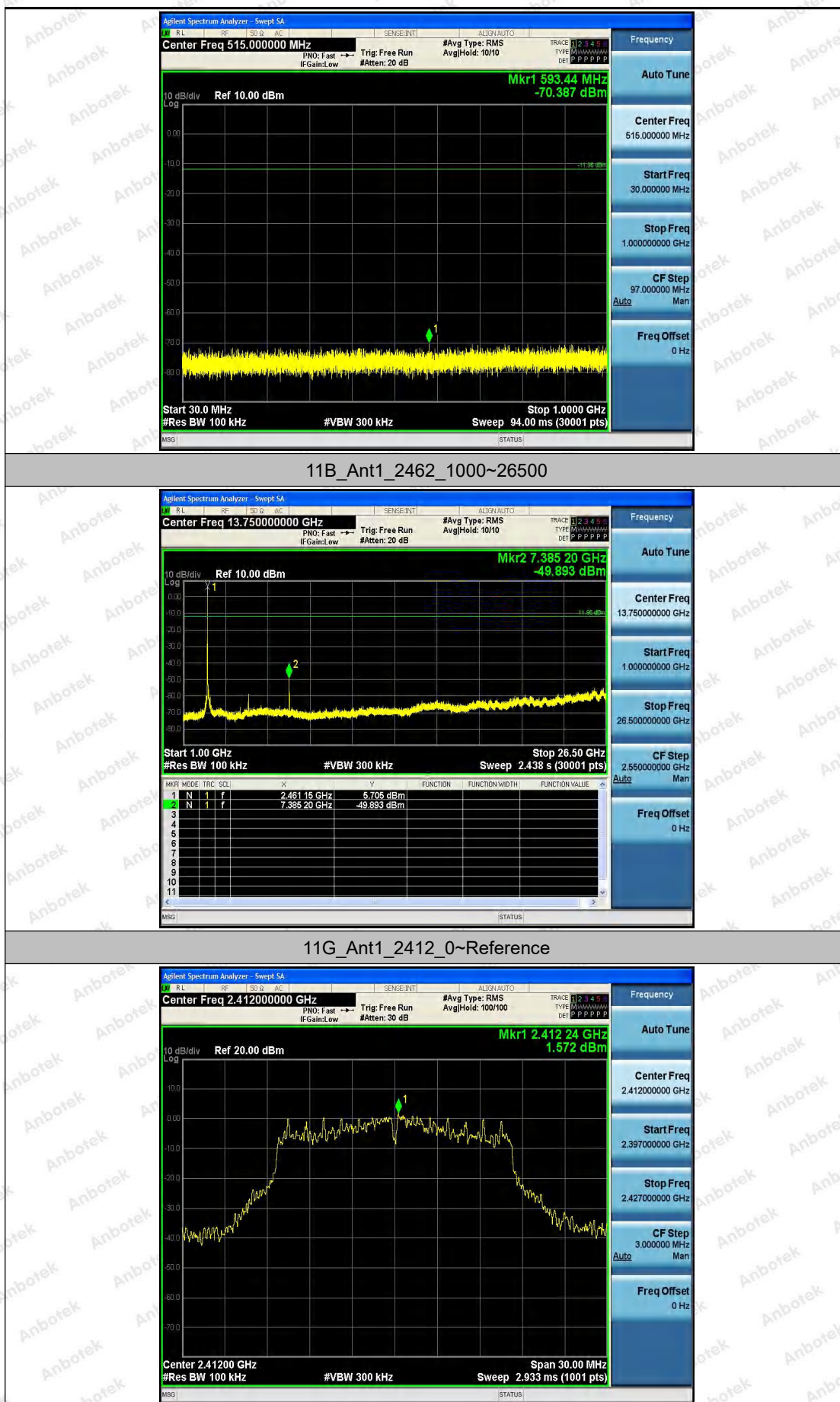
11B_Ant1_2462_30~1000

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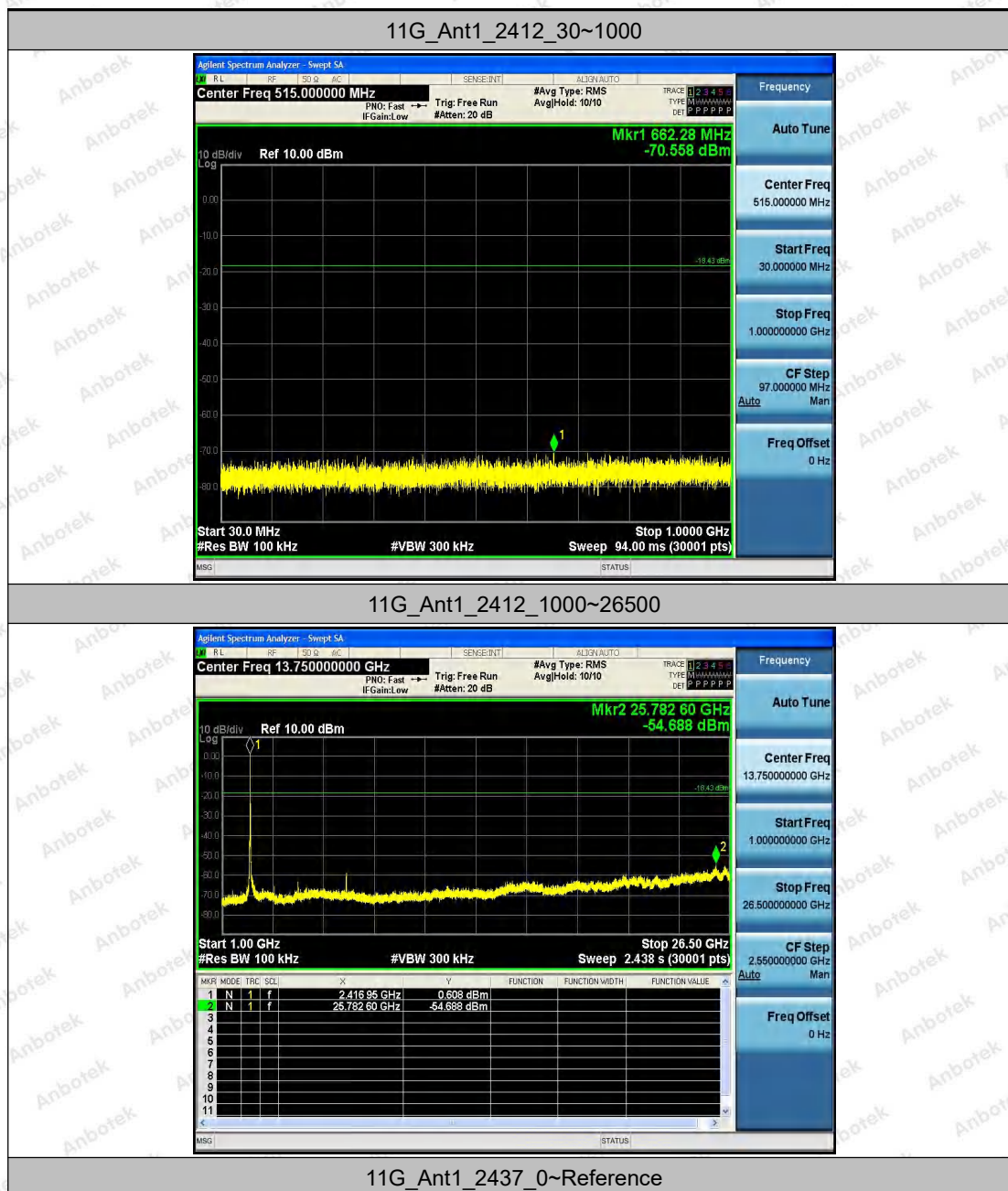


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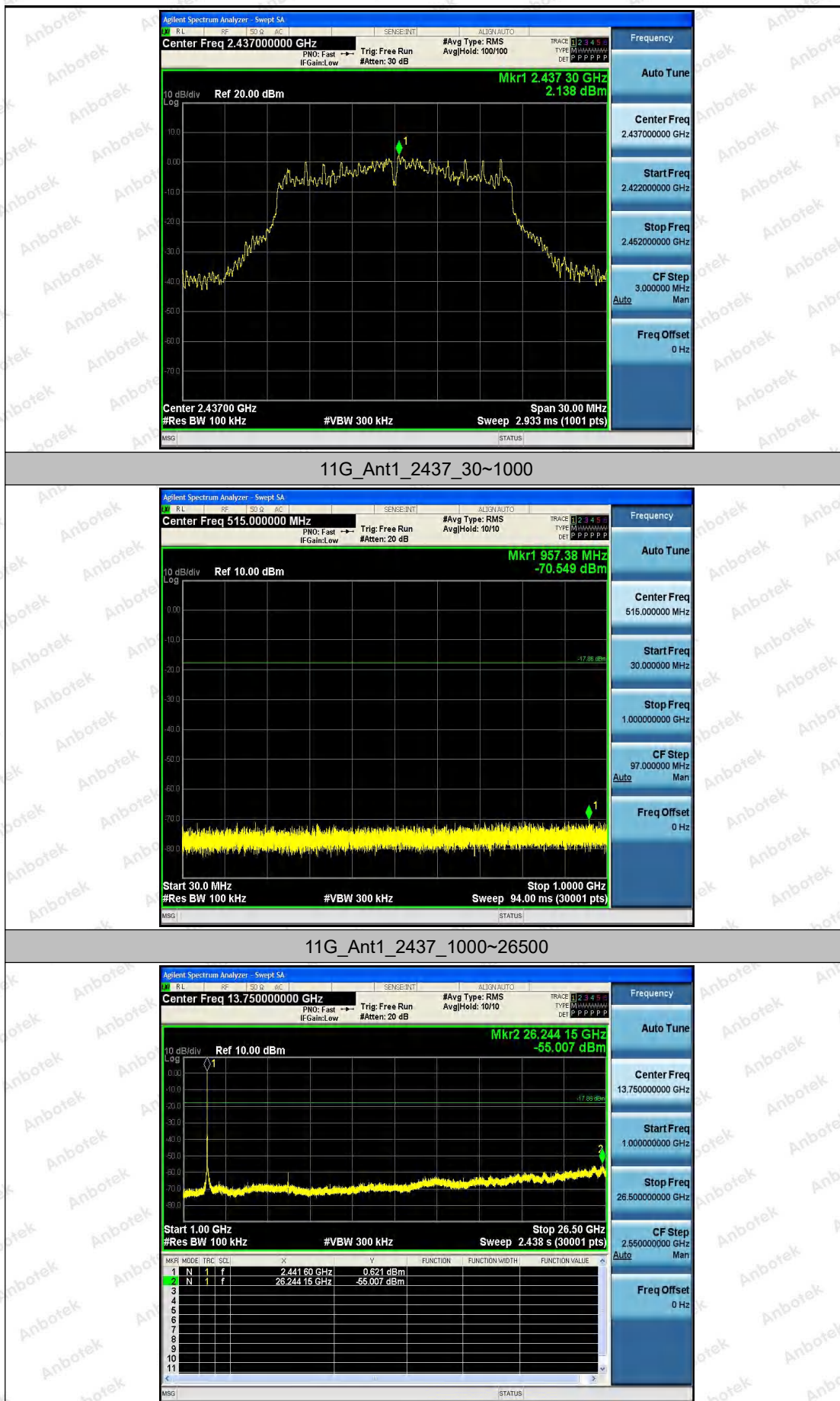


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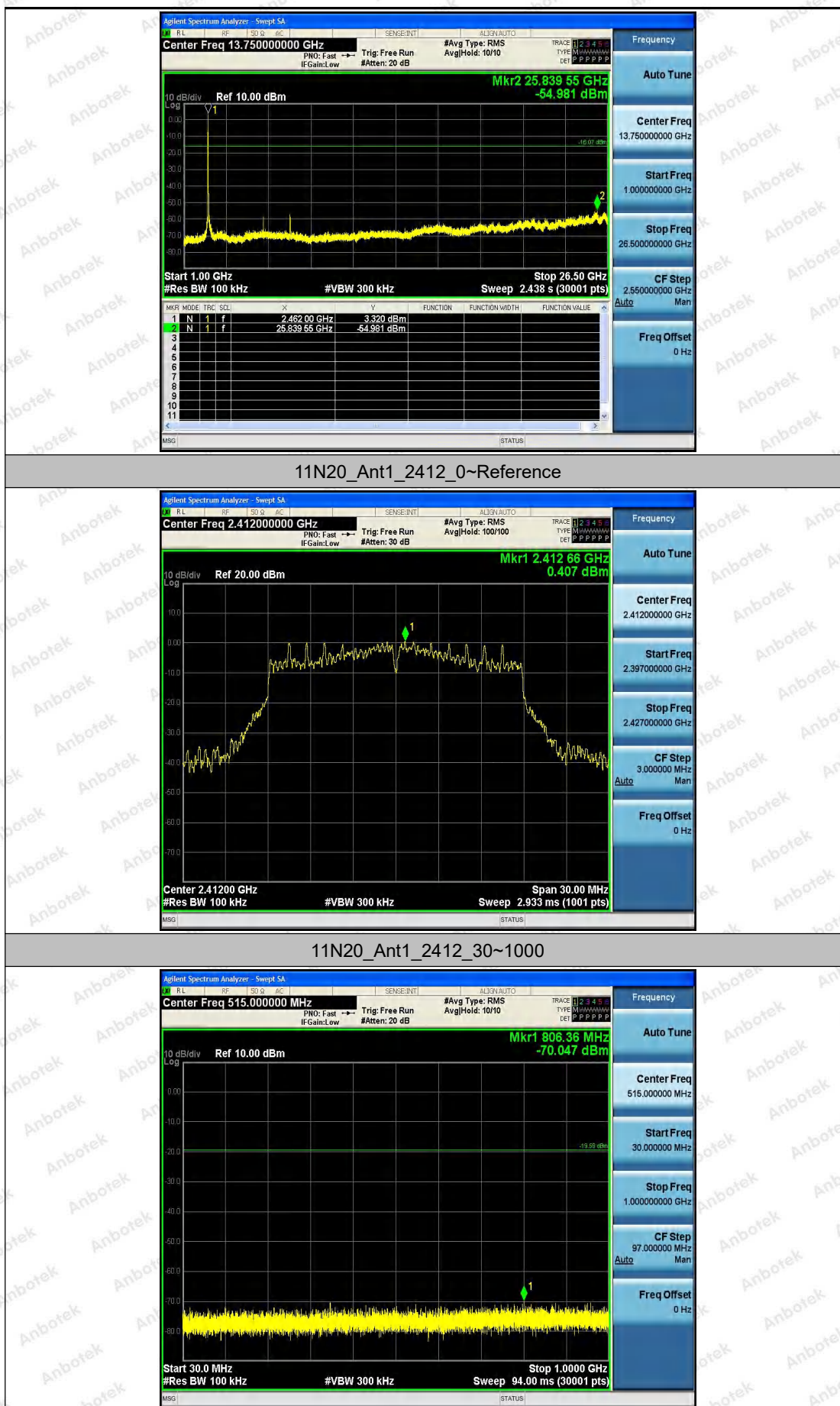


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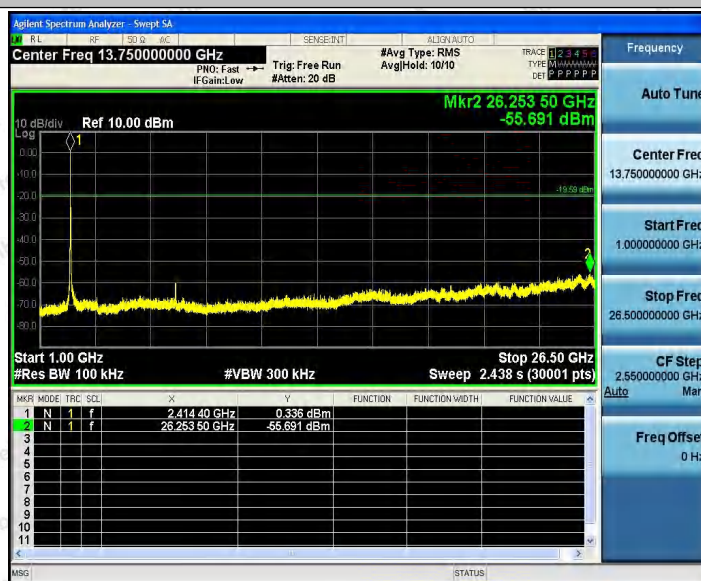
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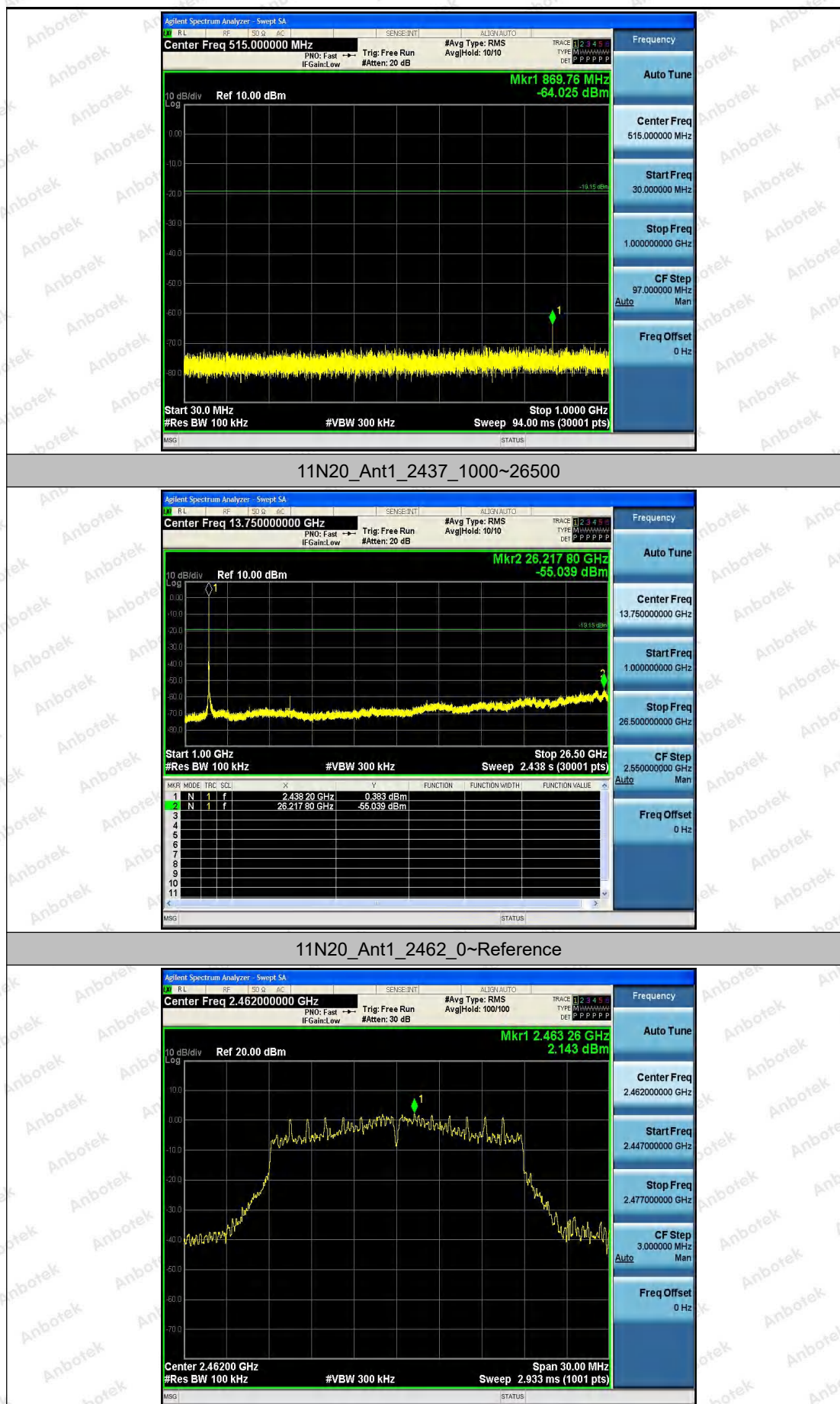
11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000

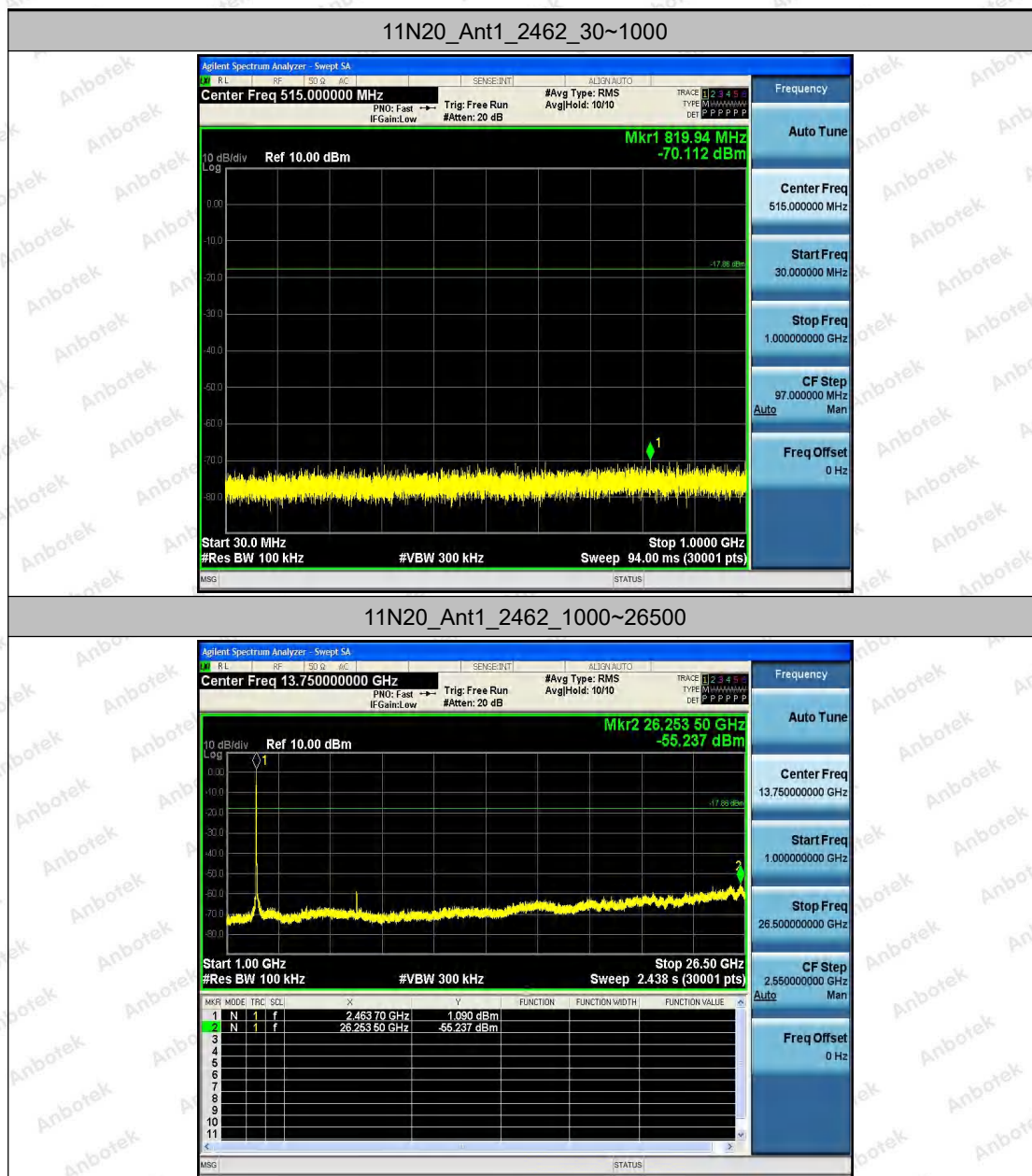


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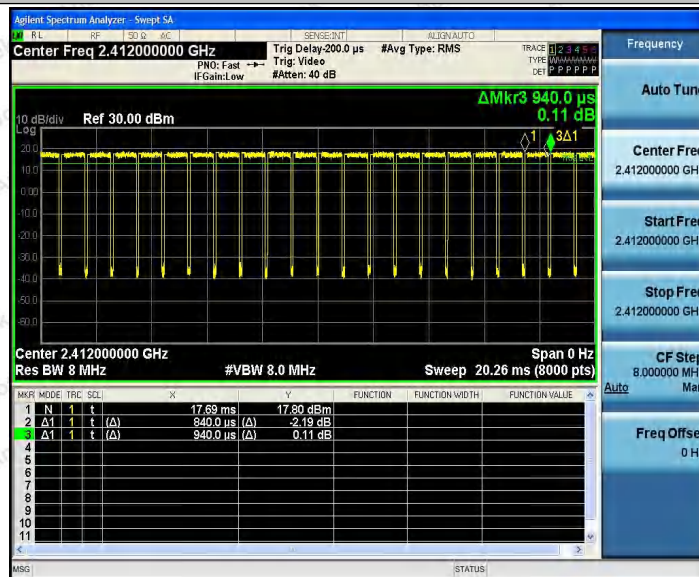
Appendix G: Duty Cycle

Test Result

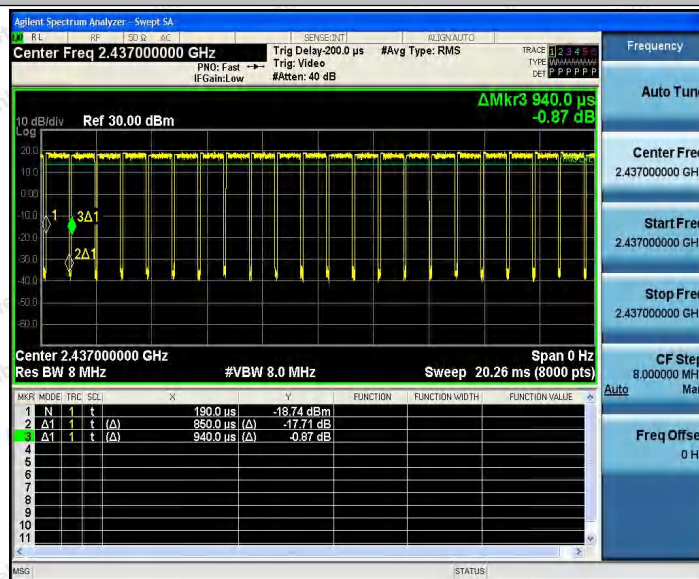
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	0.84	0.94	89.36	---	PASS
		2437	0.85	0.94	90.43	---	PASS
		2462	0.84	0.94	89.36	---	PASS
11G	Ant1	2412	0.18	0.28	64.29	---	PASS
		2437	0.17	0.28	60.71	---	PASS
		2462	0.18	0.28	64.29	---	PASS
11N20	Ant1	2412	0.17	0.27	62.96	---	PASS
		2437	0.16	0.27	59.26	---	PASS
		2462	0.17	0.27	62.96	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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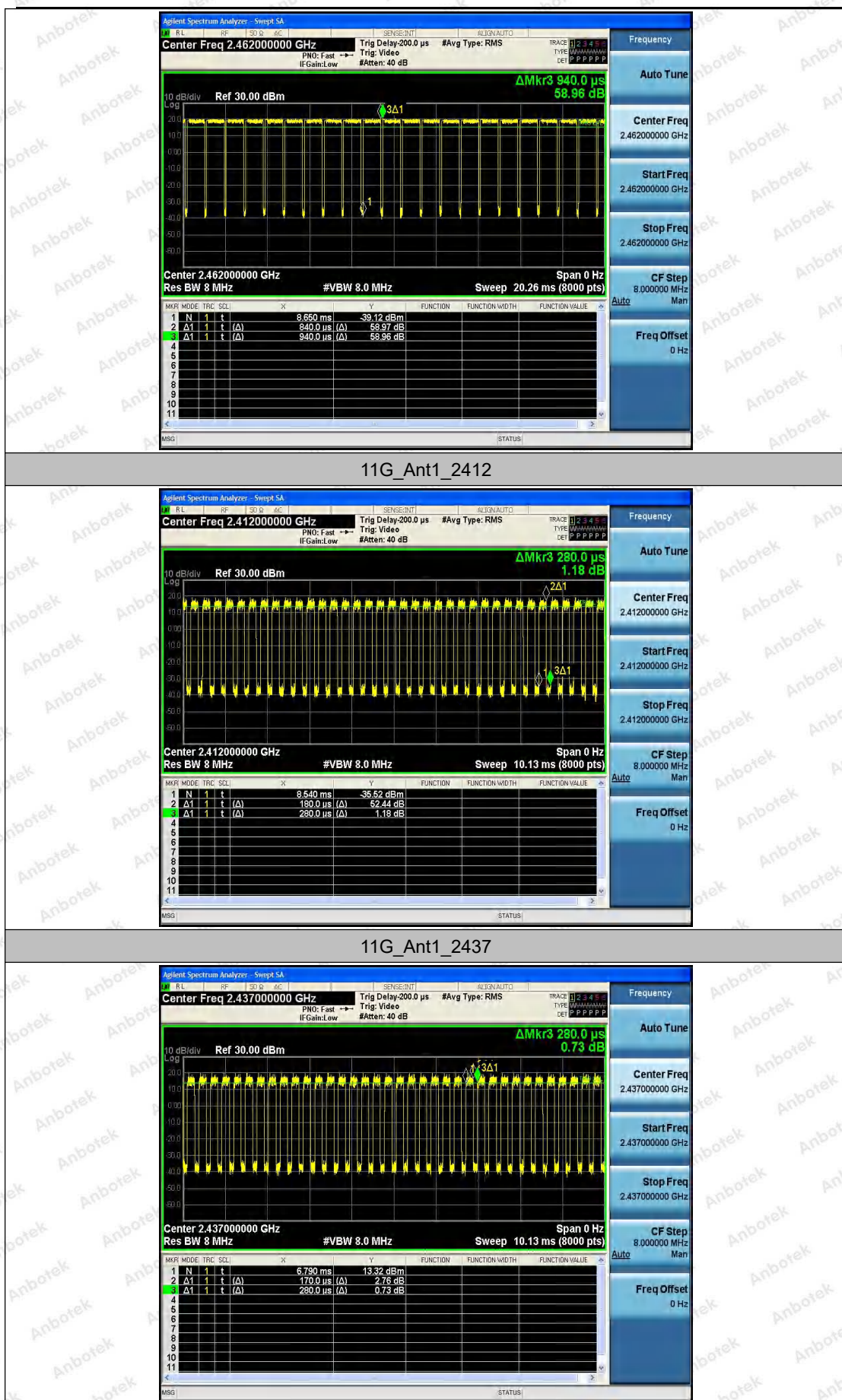
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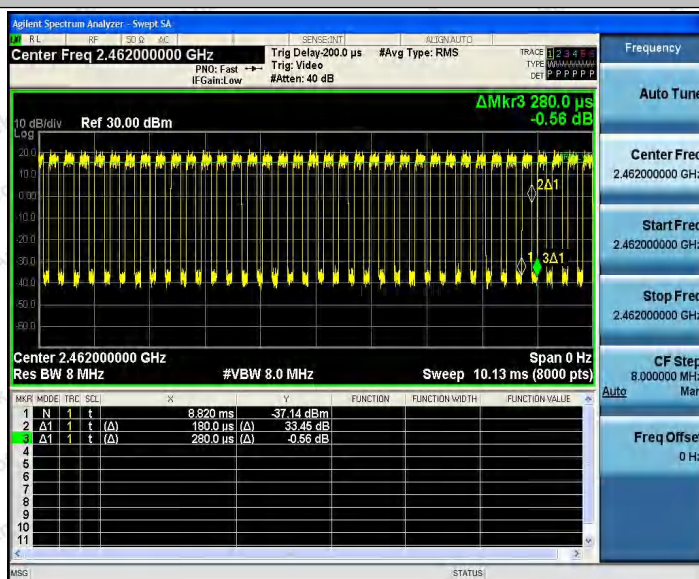
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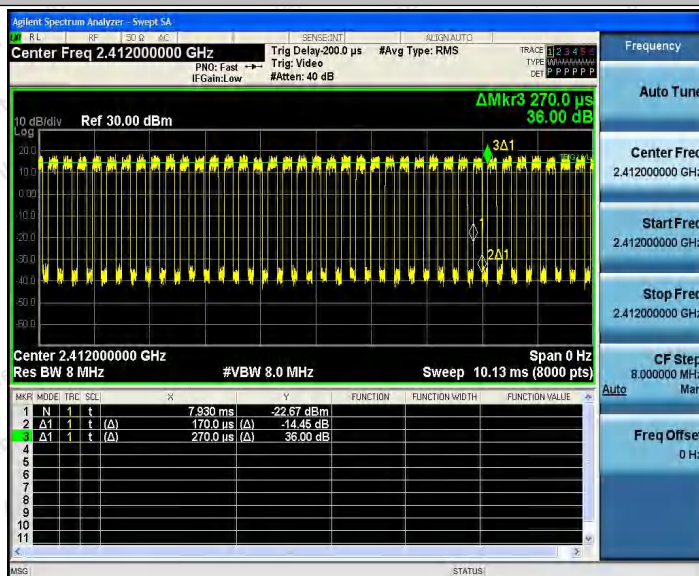
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11G_Ant1_2462



11N20_Ant1_2412



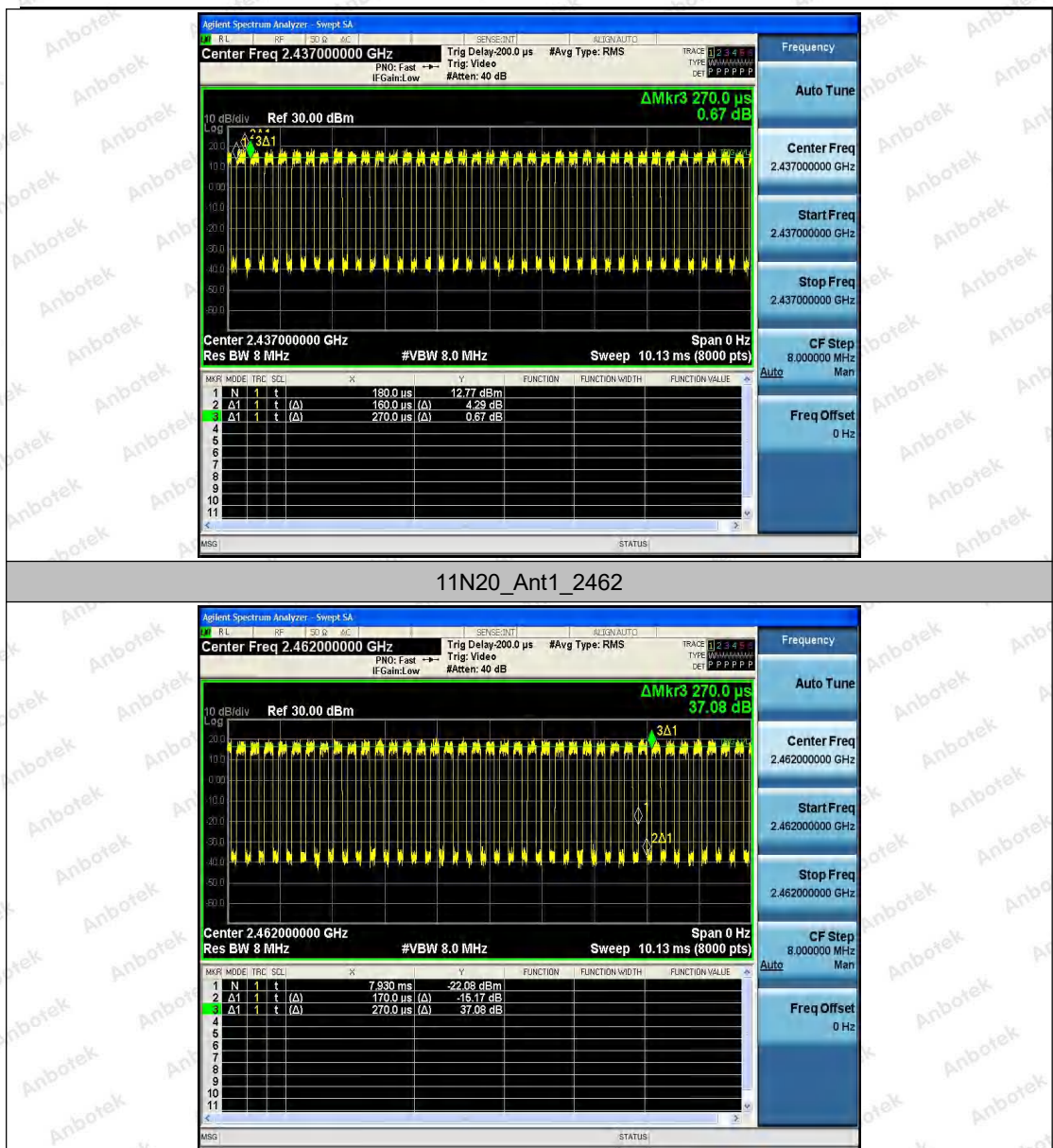
11N20_Ant1_2437

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