

Appendix Test Data

Report No.:	18220WC10187002	Test Date:	2021.8.20
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	8.600	2408.440	2417.040	≥0.5	PASS
		2437	8.160	2432.440	2440.600	≥0.5	PASS
		2462	8.160	2457.920	2466.080	≥0.5	PASS
11G	Ant1	2412	14.880	2404.440	2419.320	≥0.5	PASS
		2437	14.520	2429.440	2443.960	≥0.5	PASS
		2462	15.040	2454.520	2469.560	≥0.5	PASS
11N20	Ant1	2412	15.160	2404.440	2419.600	≥0.5	PASS
		2437	14.920	2429.720	2444.640	≥0.5	PASS
		2462	15.080	2454.480	2469.560	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



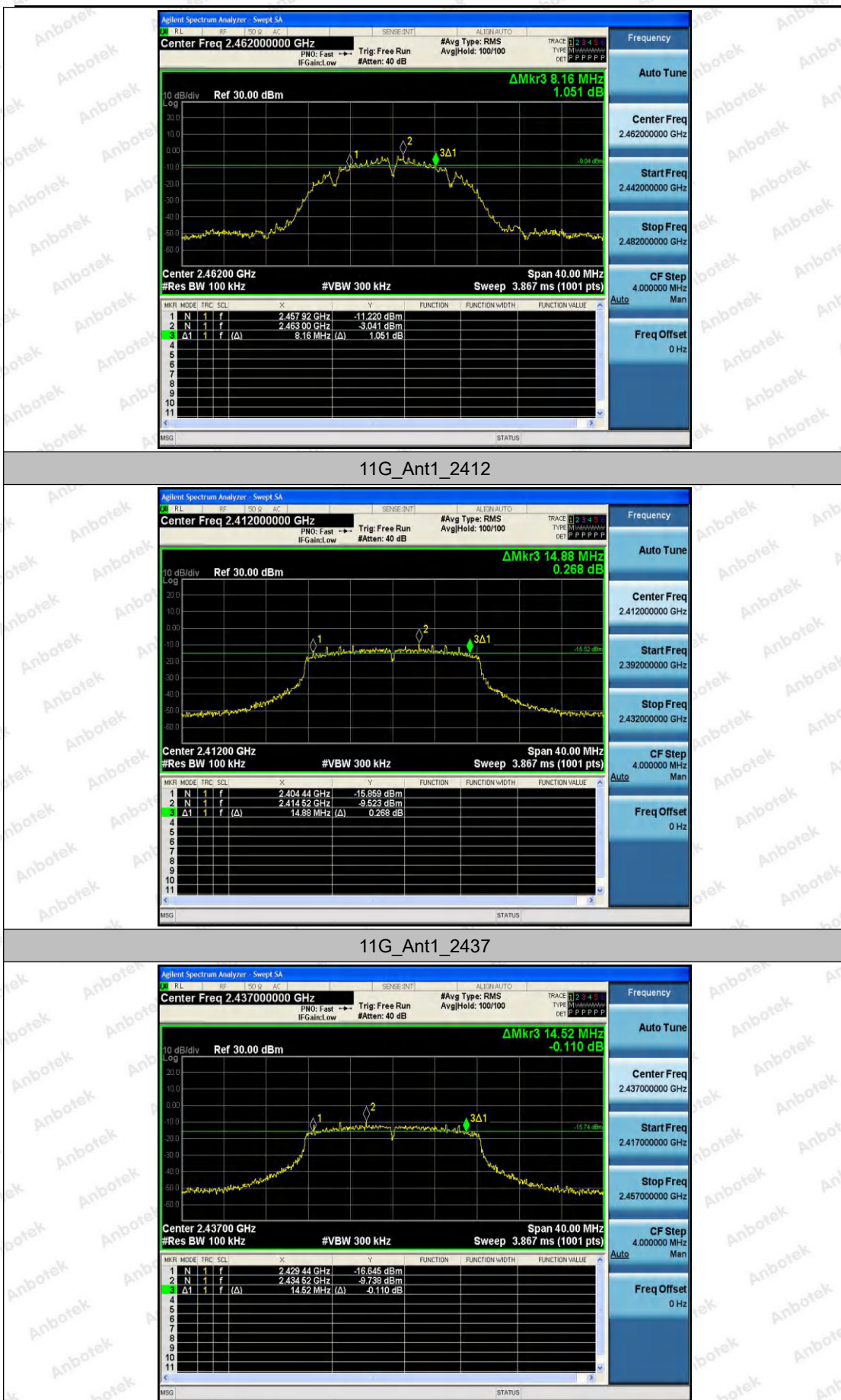
11B_Ant1_2462

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11G_Ant1_2462



11N20_Ant1_2412



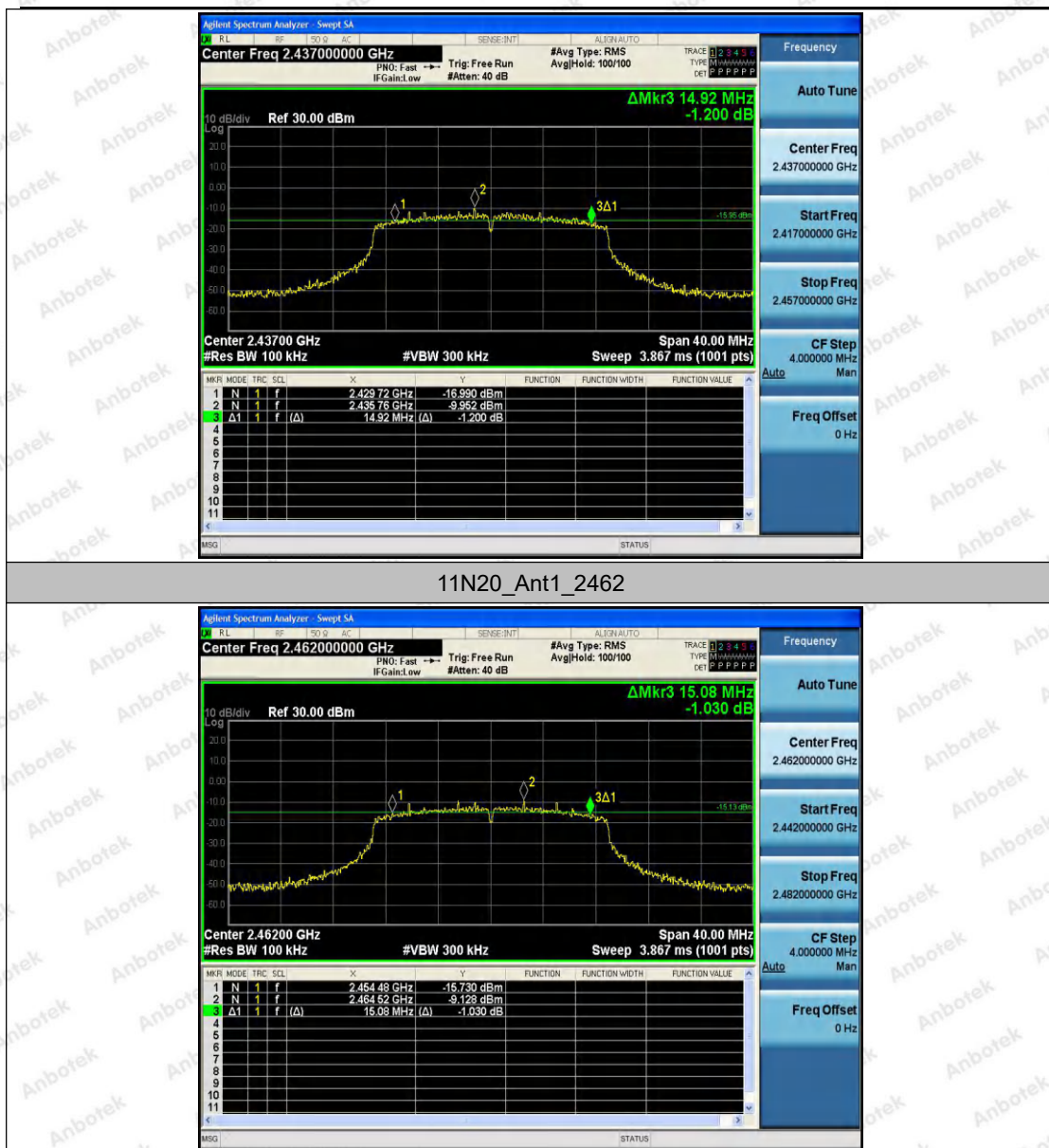
11N20_Ant1_2437

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.969	2405.051	2419.020	---	PASS
		2437	13.937	2429.989	2443.926	---	PASS
		2462	14.011	2454.995	2469.006	---	PASS
11G	Ant1	2412	16.639	2403.710	2420.349	---	PASS
		2437	16.641	2428.637	2445.278	---	PASS
		2462	16.668	2453.635	2470.303	---	PASS
11N20	Ant1	2412	17.667	2403.216	2420.883	---	PASS
		2437	17.685	2428.131	2445.816	---	PASS
		2462	17.759	2453.100	2470.859	---	PASS

Test Graphs

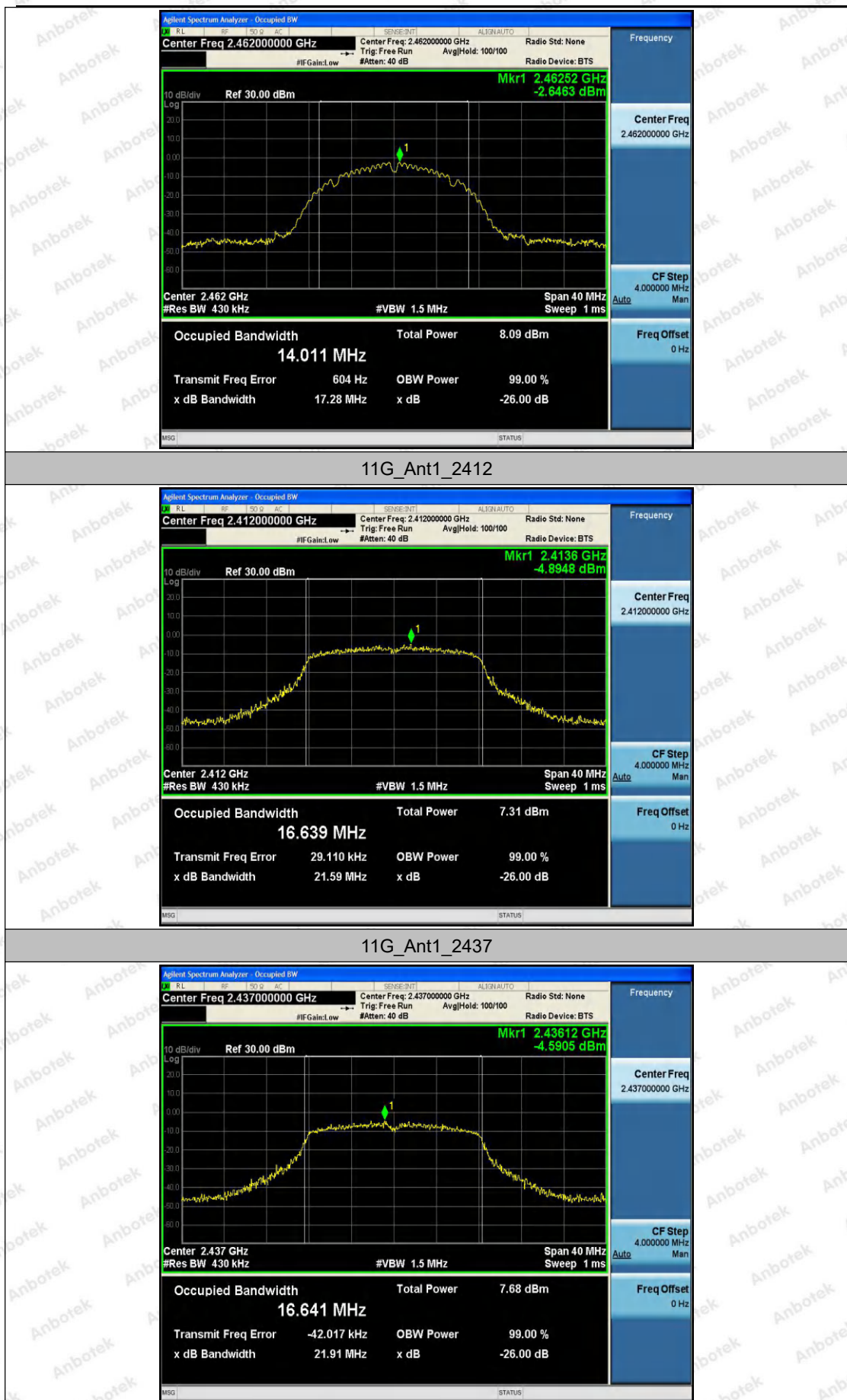


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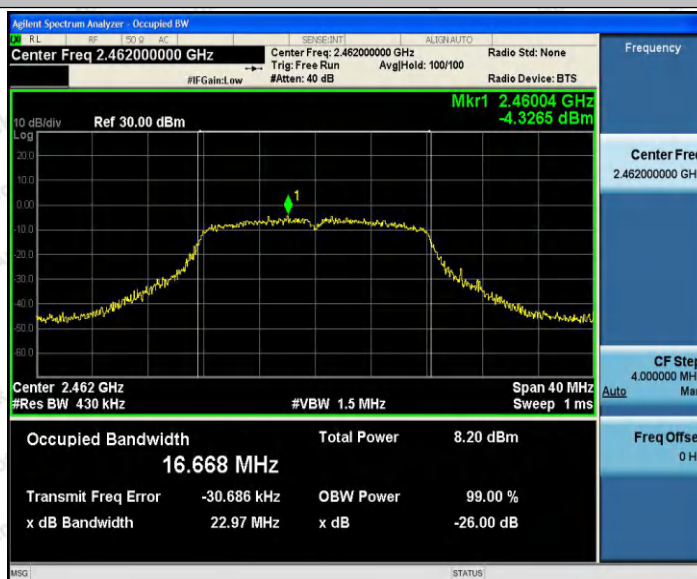
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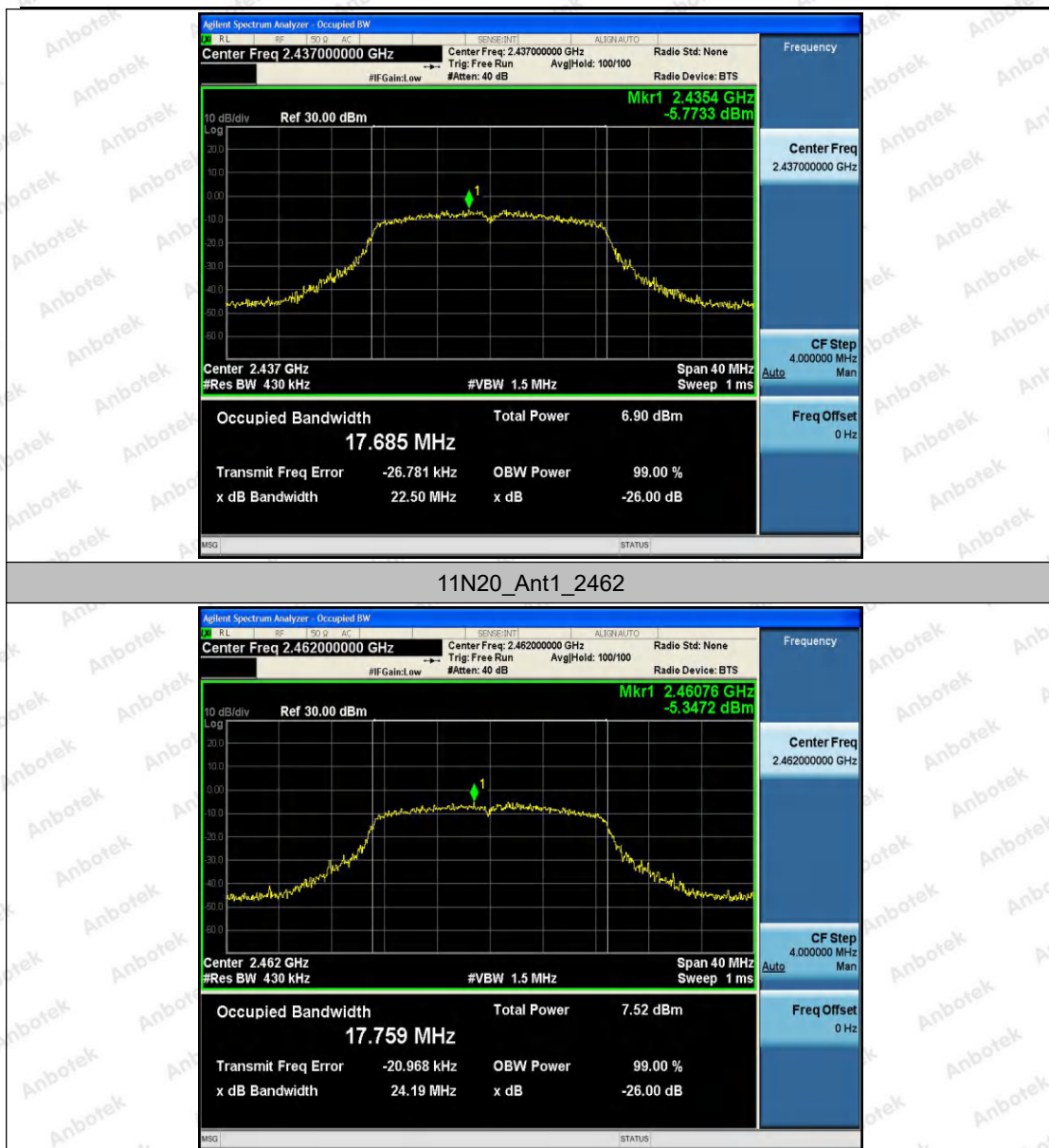
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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Appendix C: Maximum conducted output power

Test Result

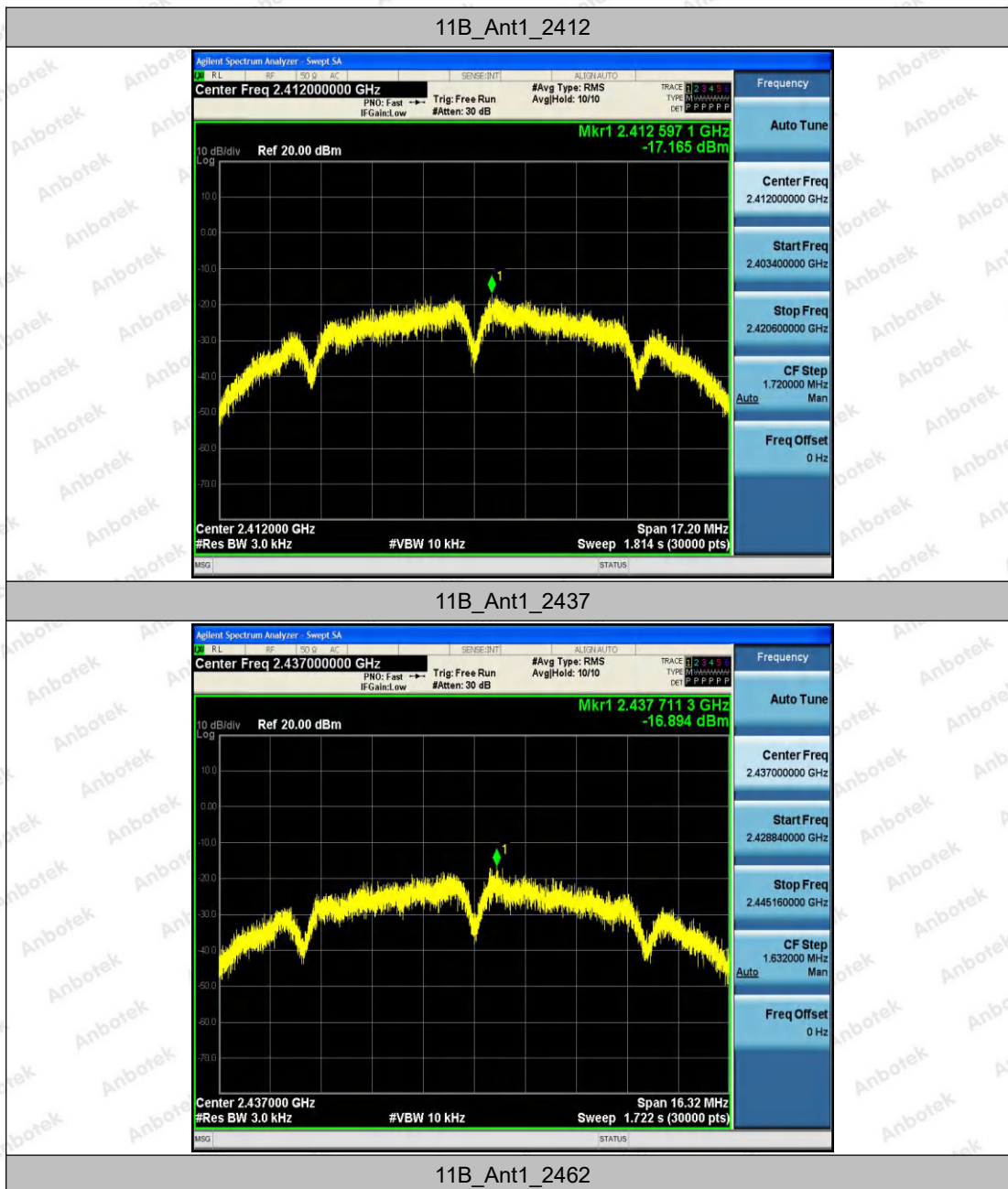
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	8.16	≤30	PASS
		2437	8.18	≤30	PASS
		2462	8.09	≤30	PASS
11G	Ant1	2412	8.40	≤30	PASS
		2437	8.80	≤30	PASS
		2462	9.36	≤30	PASS
11N20	Ant1	2412	7.05	≤30	PASS
		2437	7.96	≤30	PASS
		2462	8.75	≤30	PASS

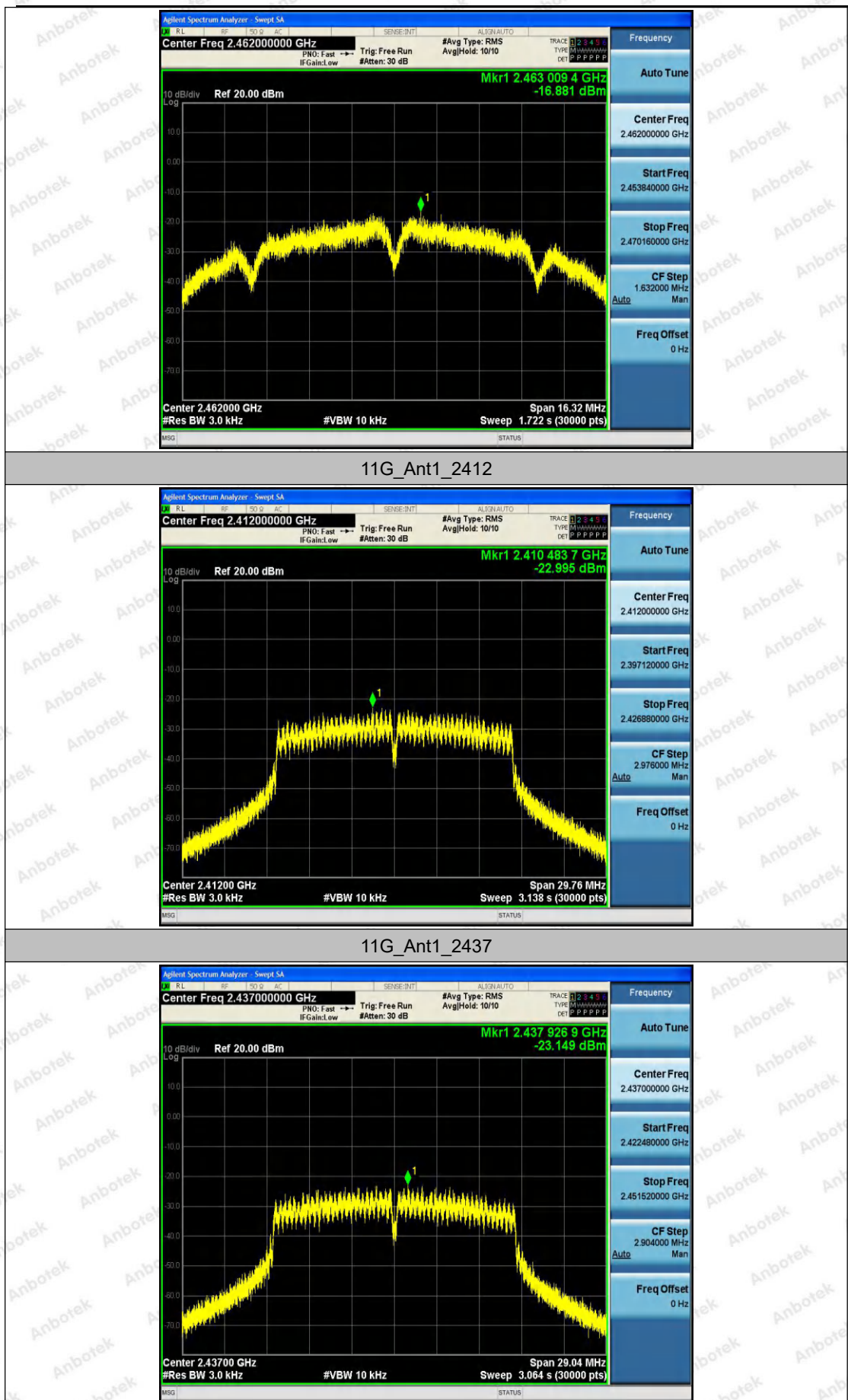
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.17	≤8	PASS
		2437	-16.89	≤8	PASS
		2462	-16.88	≤8	PASS
11G	Ant1	2412	-23	≤8	PASS
		2437	-23.15	≤8	PASS
		2462	-21.51	≤8	PASS
11N20	Ant1	2412	-24.42	≤8	PASS
		2437	-23.09	≤8	PASS
		2462	-23.22	≤8	PASS

Test Graphs





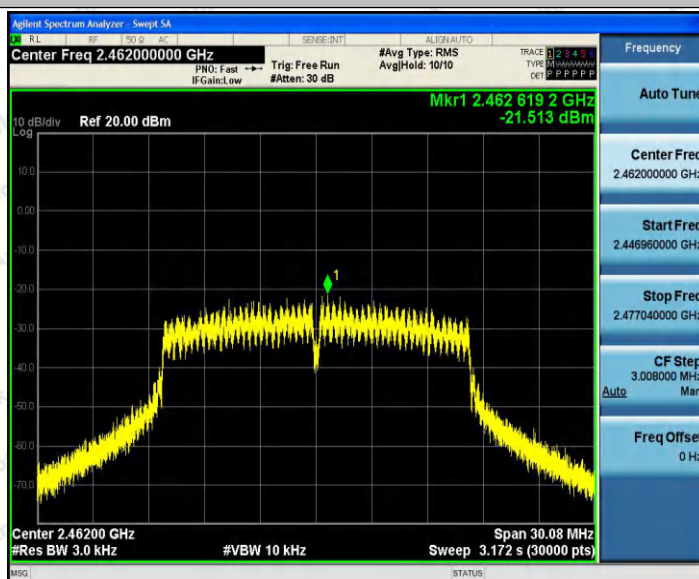
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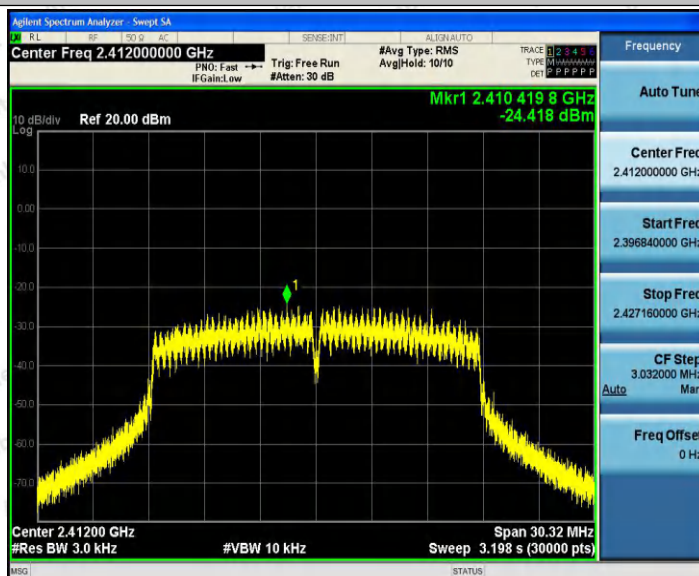
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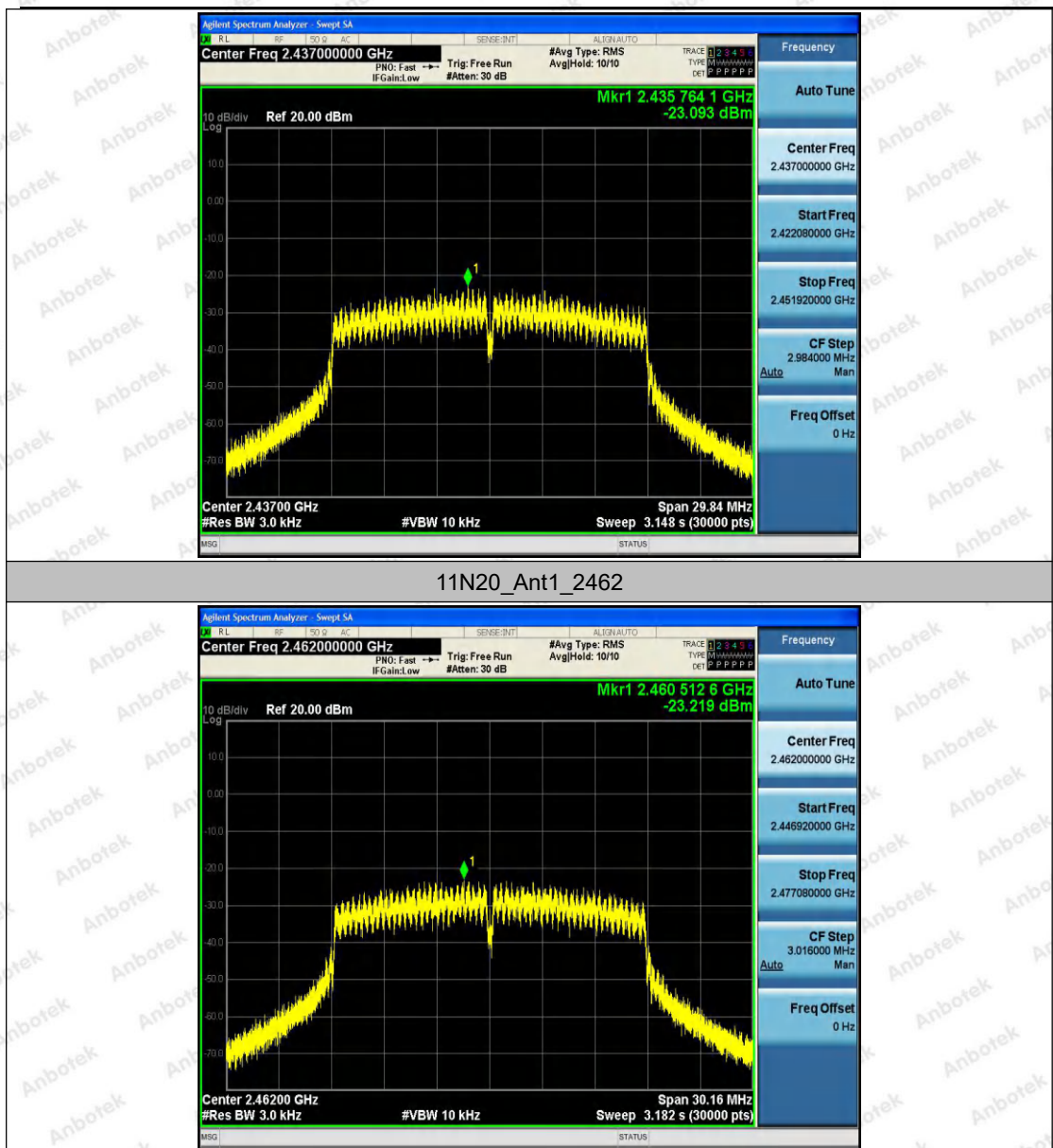
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.52	-47.89	≤ -25.52	PASS
		High	2462	-5.02	-55.08	≤ -25.02	PASS
11G	Ant1	Low	2412	-13.18	-48.67	≤ -33.18	PASS
		High	2462	-11.88	-58.05	≤ -31.88	PASS
11N20	Ant1	Low	2412	-15.14	-50.03	≤ -35.14	PASS
		High	2462	-10.02	-58.22	≤ -30.02	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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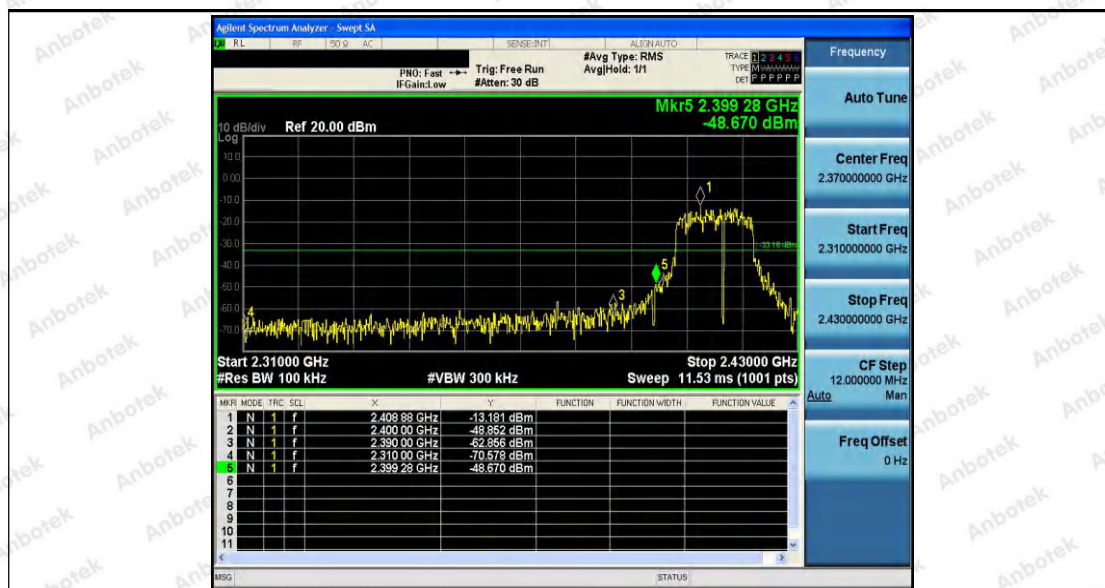
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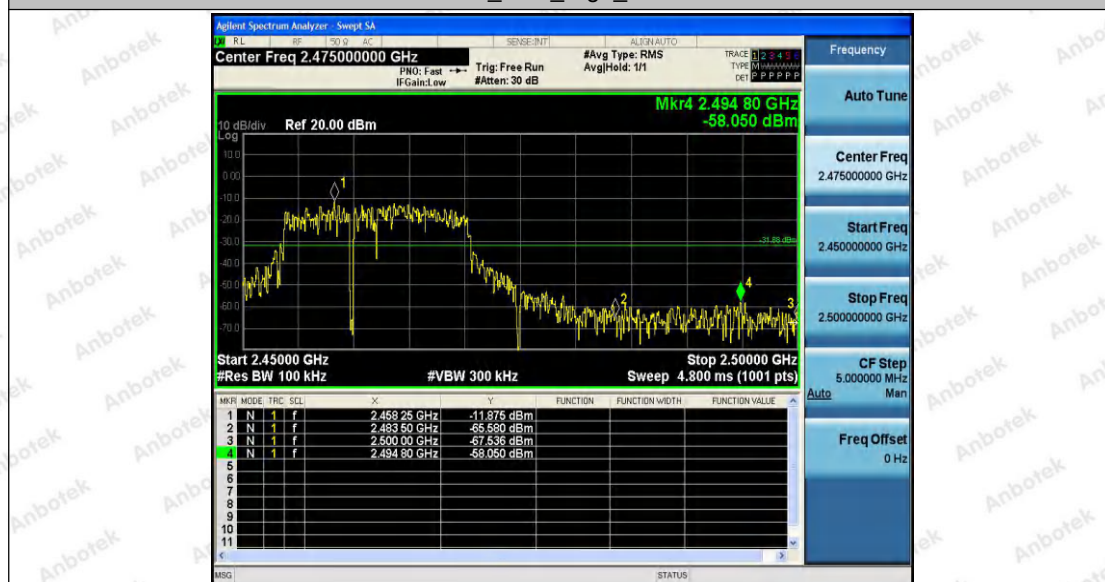
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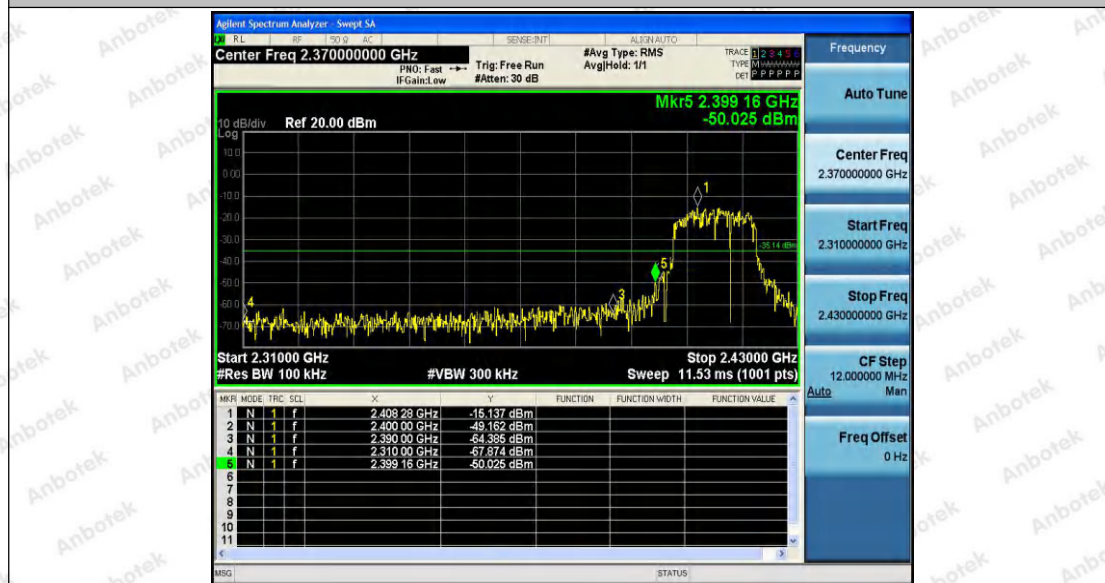
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11G_Ant1_High_2462



11N20_Ant1_Low_2412

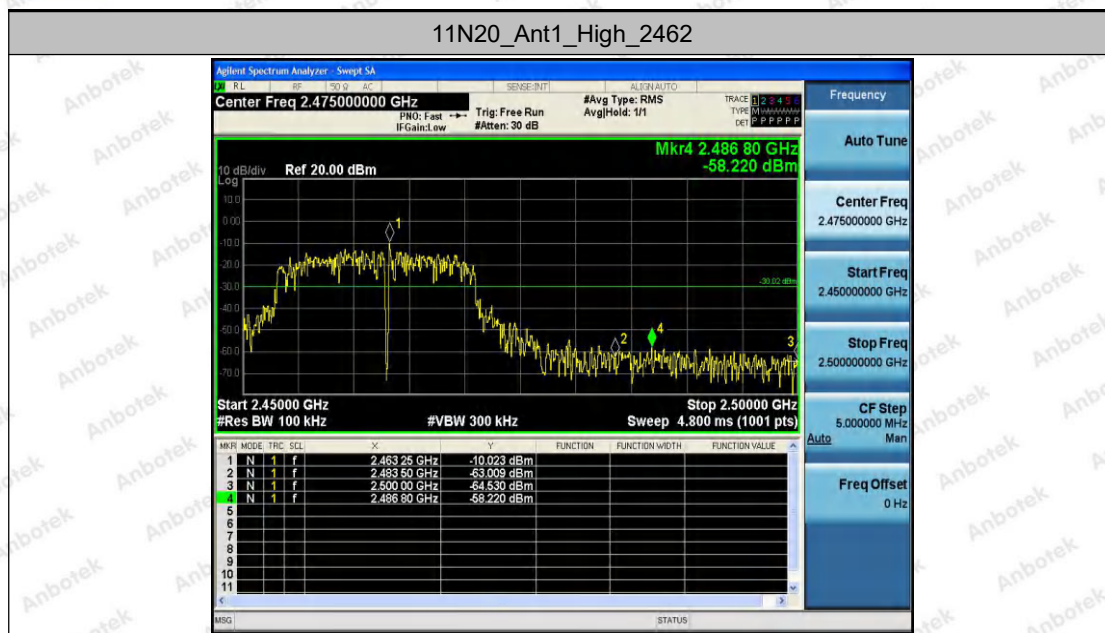


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Appendix F: Conducted Spurious Emission

Test Result

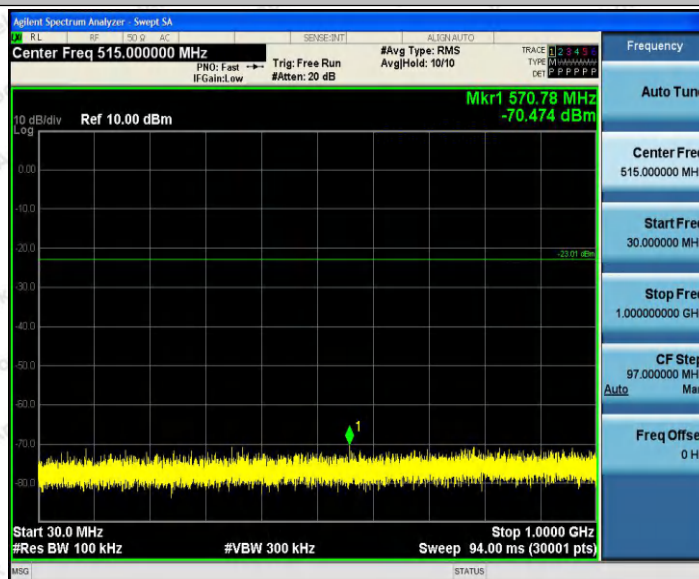
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-70.47	≤-23.01	PASS
			1000~26500	-3.01	-55.18	≤-23.01	PASS
		2437	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-70.28	≤-23.29	PASS
			1000~26500	-3.29	-55.59	≤-23.29	PASS
		2462	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-70.29	≤-23.08	PASS
			1000~26500	-3.08	-55.1	≤-23.08	PASS
11G	Ant1	2412	Reference	-9.50	-9.50	---	PASS
			30~1000	-9.50	-70.54	≤-29.5	PASS
			1000~26500	-9.50	-55.46	≤-29.5	PASS
		2437	Reference	-9.36	-9.36	---	PASS
			30~1000	-9.36	-70.45	≤-29.36	PASS
			1000~26500	-9.36	-54.98	≤-29.36	PASS
		2462	Reference	-8.68	-8.68	---	PASS
			30~1000	-8.68	-68.93	≤-28.68	PASS
			1000~26500	-8.68	-55.12	≤-28.68	PASS
11N20	Ant1	2412	Reference	-11.17	-11.17	---	PASS
			30~1000	-11.17	-70.22	≤-31.17	PASS
			1000~26500	-11.17	-55.16	≤-31.17	PASS
		2437	Reference	-10.08	-10.08	---	PASS
			30~1000	-10.08	-70.27	≤-30.08	PASS
			1000~26500	-10.08	-55.66	≤-30.08	PASS
		2462	Reference	-9.97	-9.97	---	PASS
			30~1000	-9.97	-70.07	≤-29.97	PASS
			1000~26500	-9.97	-55.56	≤-29.97	PASS

Test Graphs

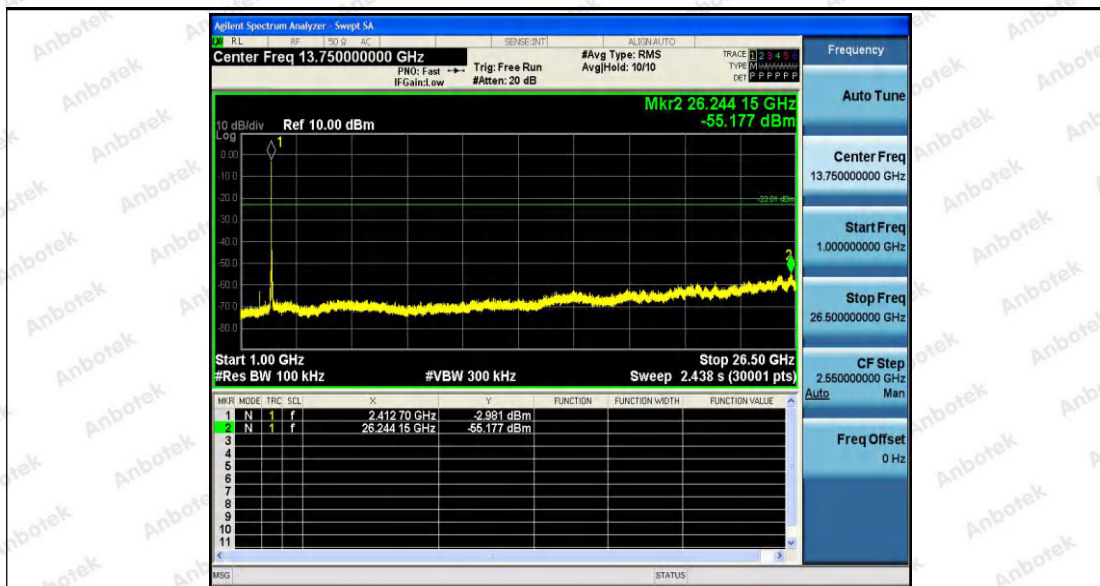
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



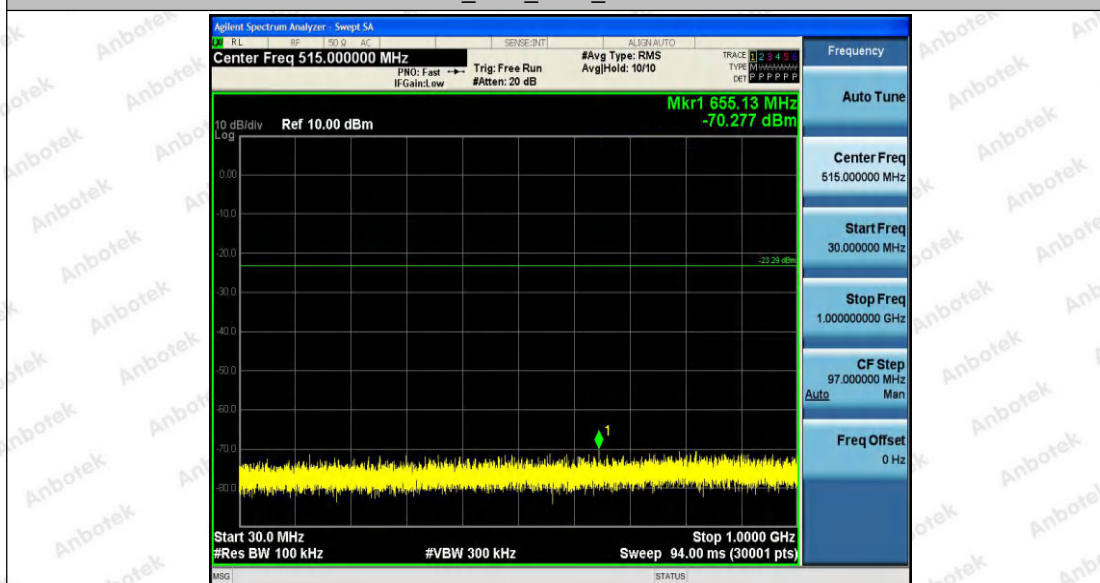
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



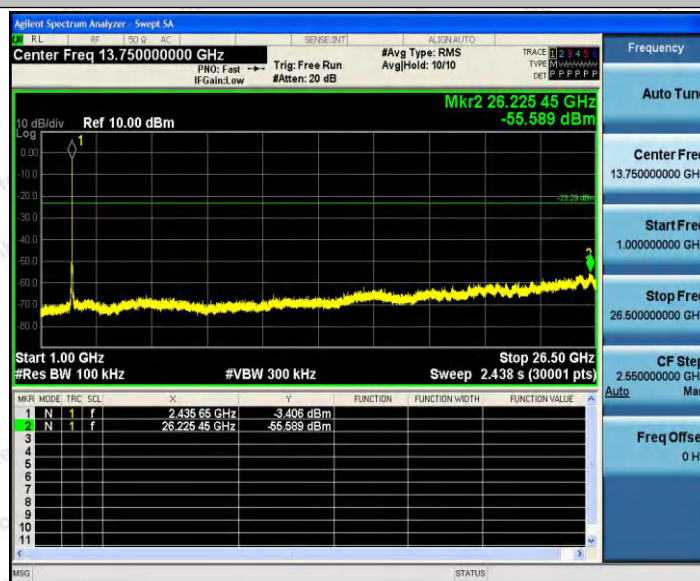
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



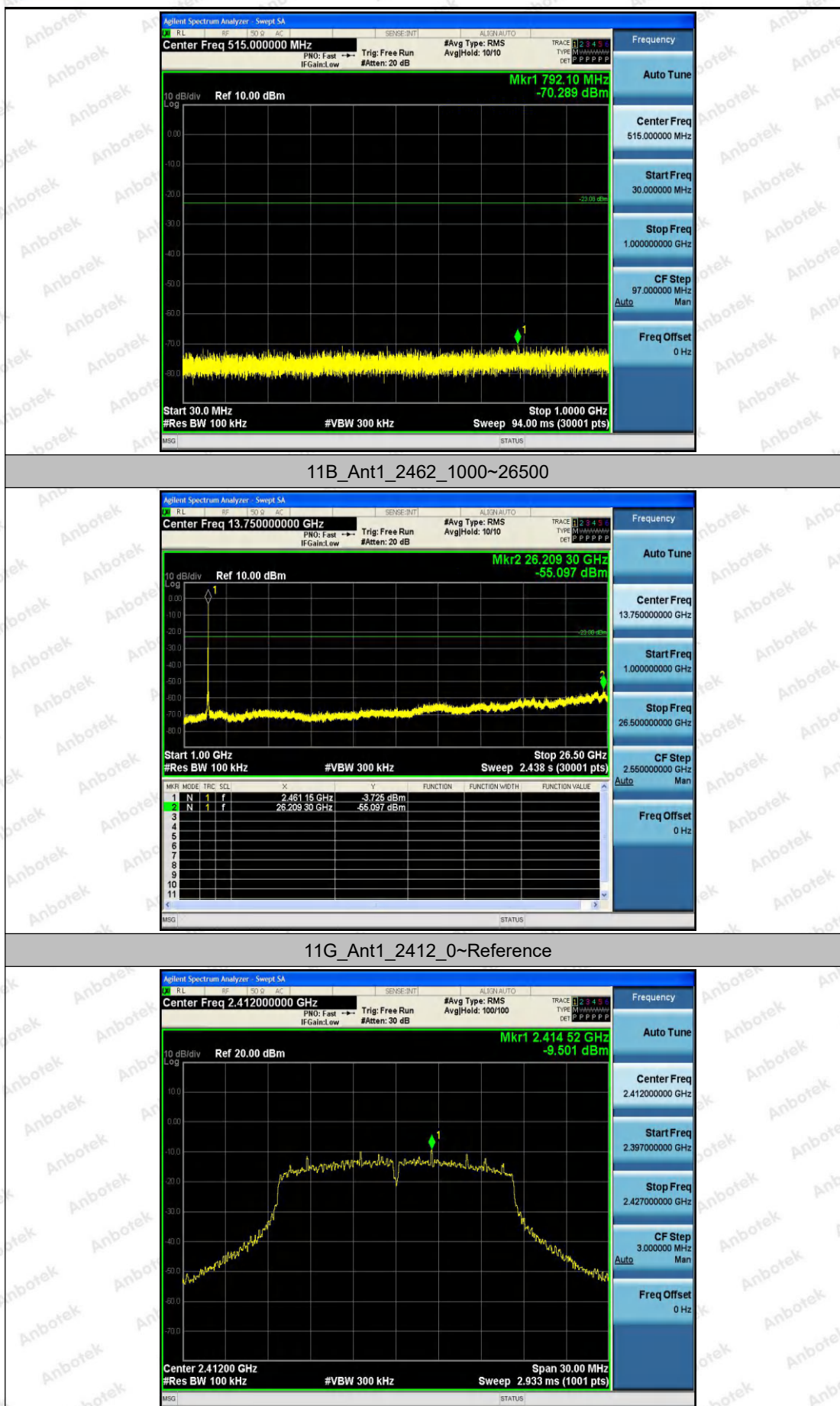
11B_Ant1_2462_30~1000

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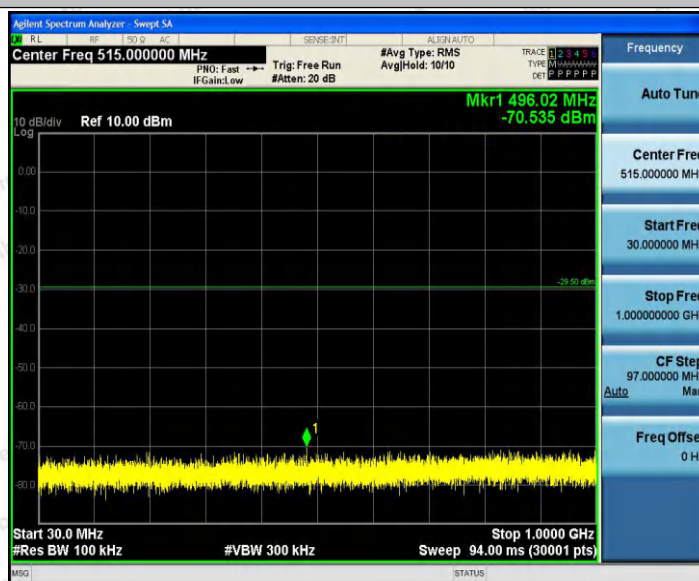
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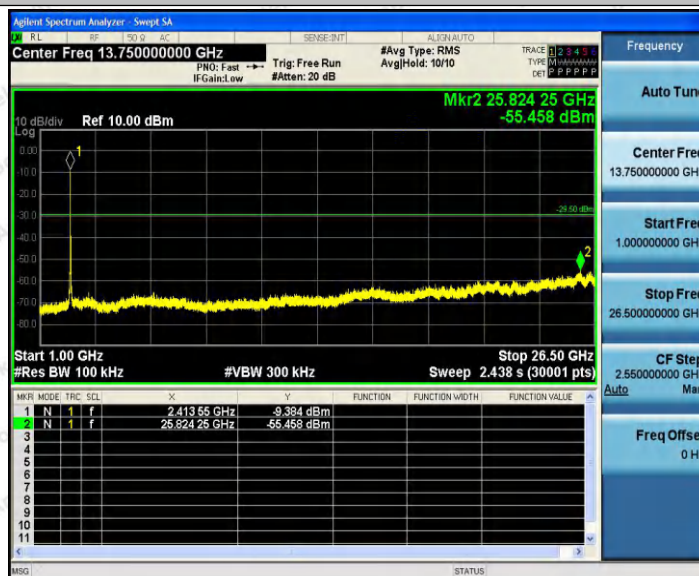
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



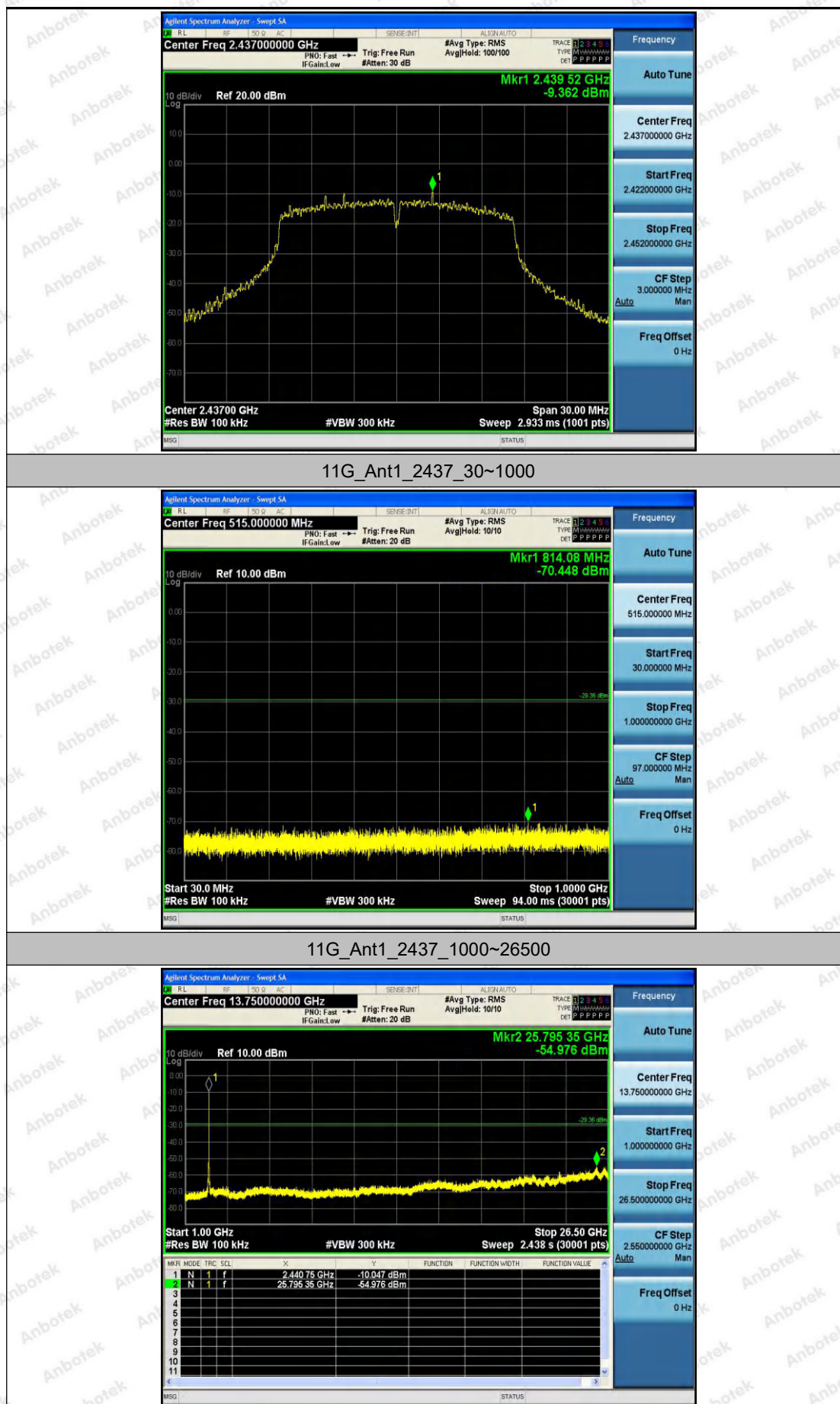
11G_Ant1_2437_0~Reference

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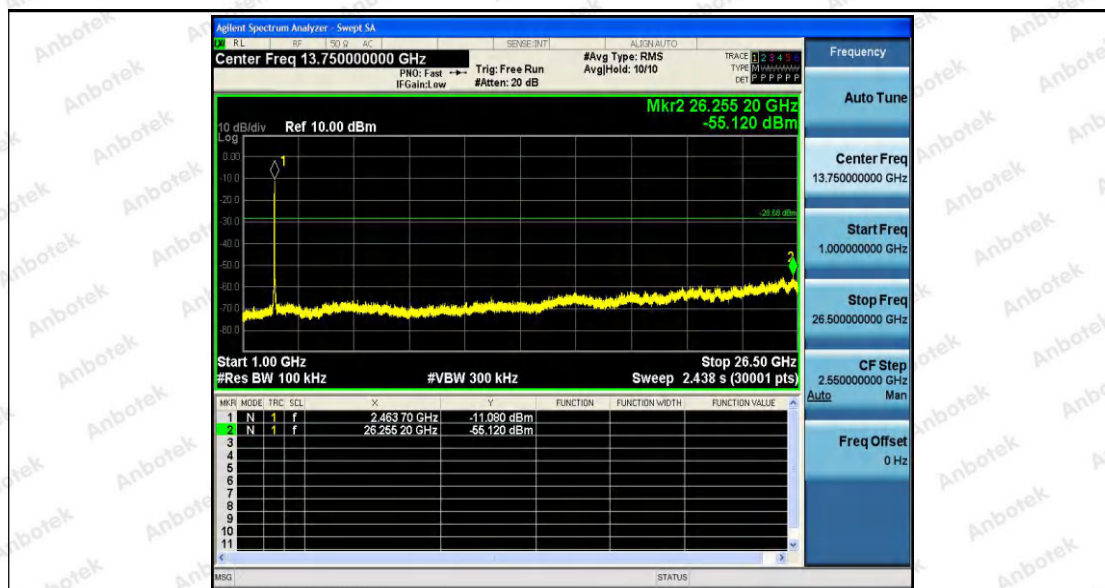


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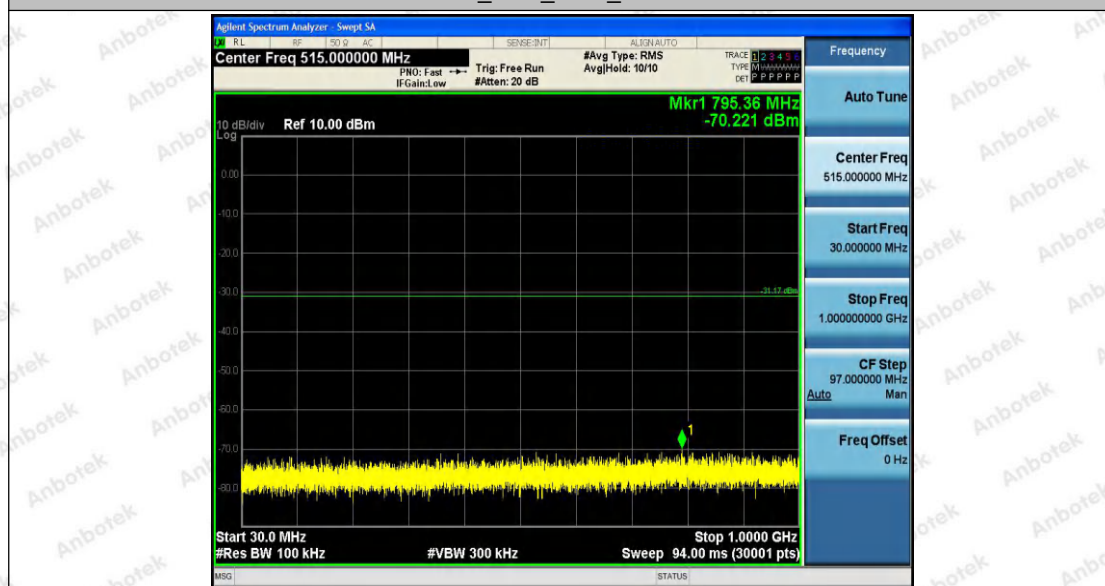
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



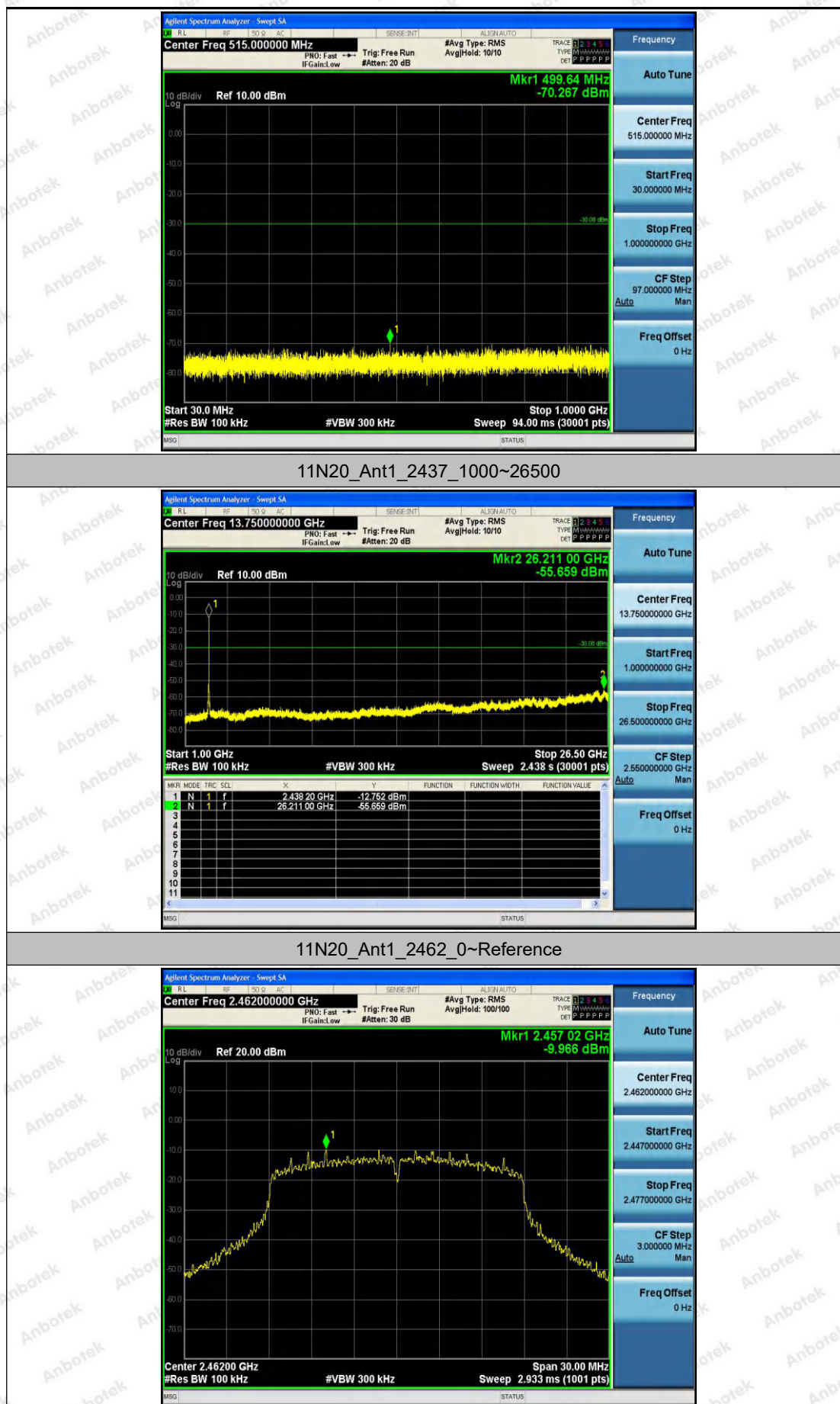
11N20_Ant1_2437_30~1000

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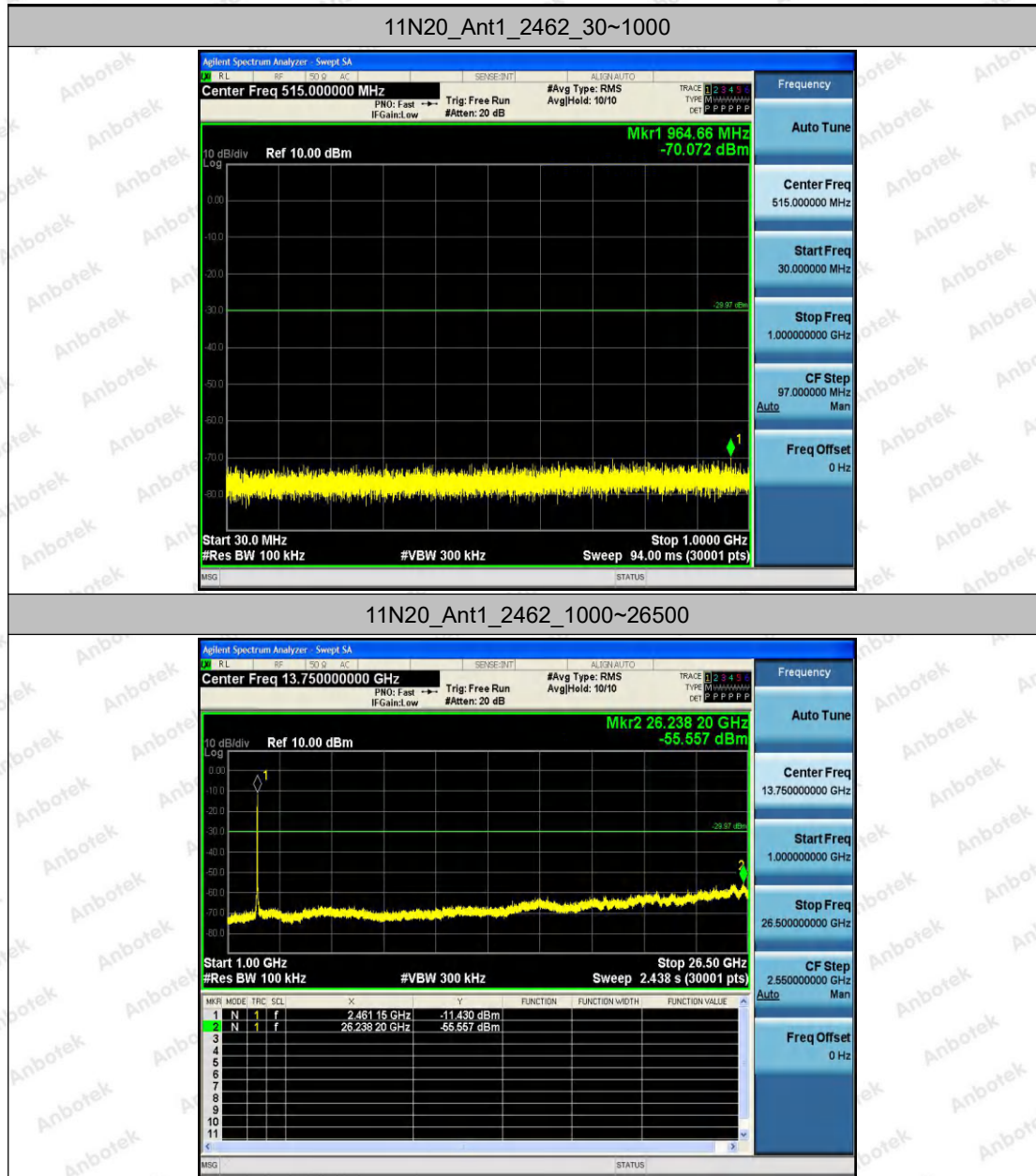


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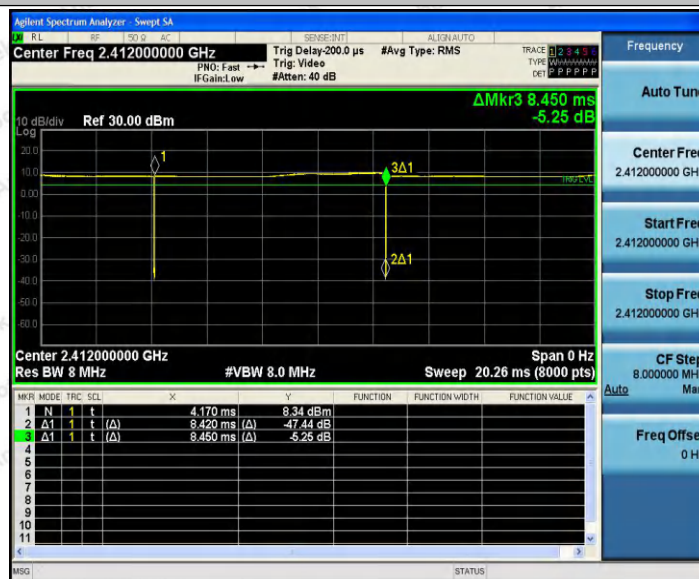
Appendix G: Duty Cycle

Test Result

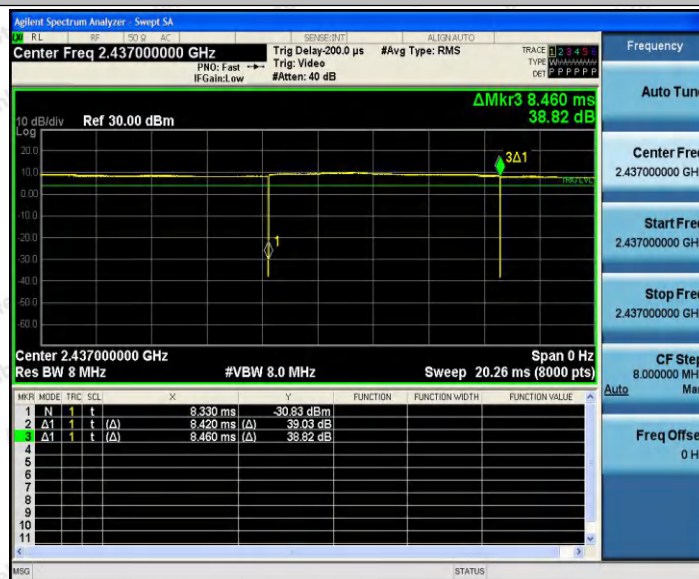
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.42	8.45	99.64	---	PASS
		2437	8.42	8.46	99.53	---	PASS
		2462	8.42	8.45	99.64	---	PASS
11G	Ant1	2412	1.39	1.44	96.53	---	PASS
		2437	1.40	1.44	97.22	---	PASS
		2462	1.40	1.44	97.22	---	PASS
11N20	Ant1	2412	1.31	1.35	97.04	---	PASS
		2437	1.31	1.35	97.04	---	PASS
		2462	1.31	1.35	97.04	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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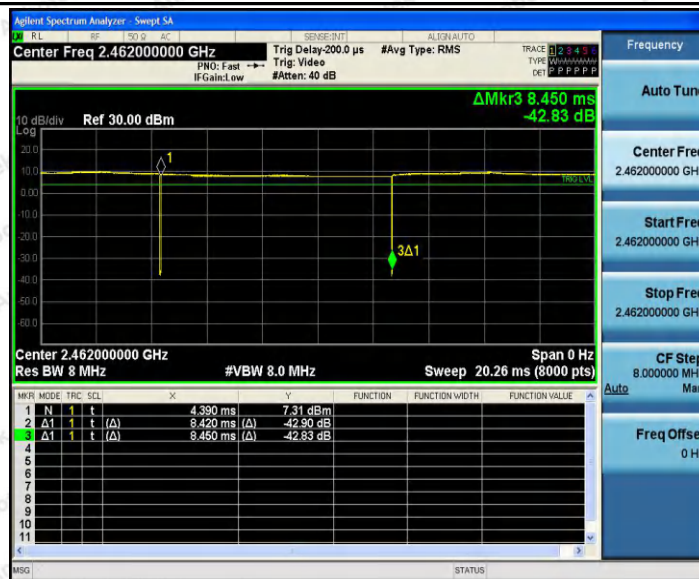
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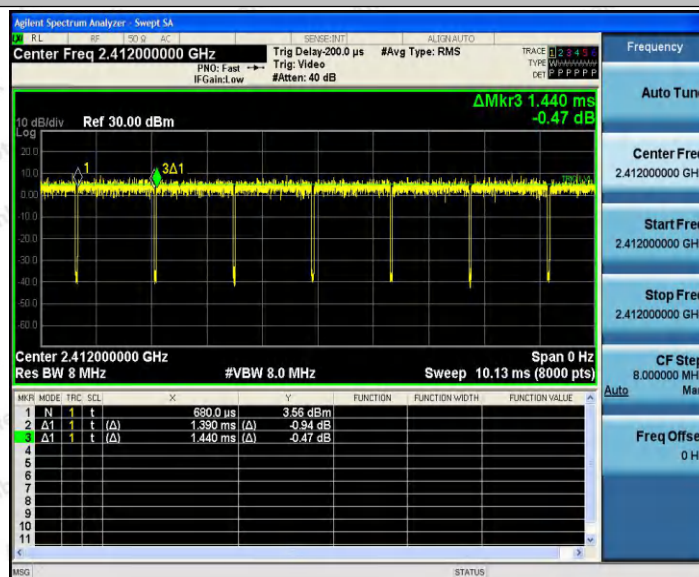
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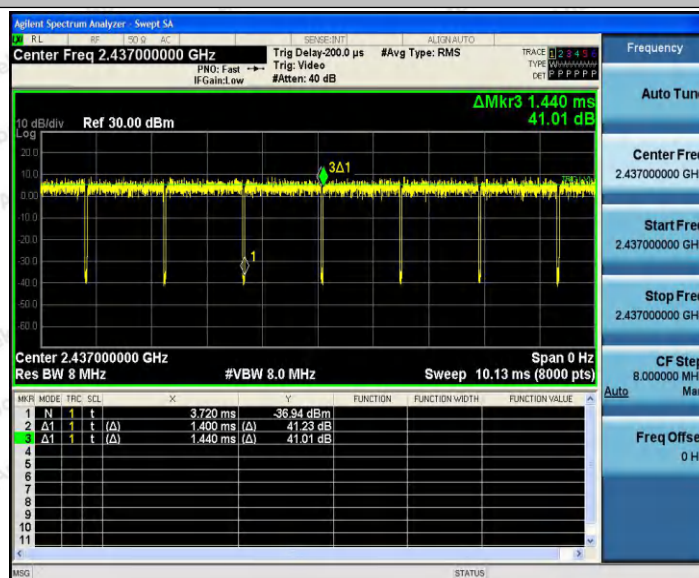
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11G_Ant1_2412



11G_Ant1_2437



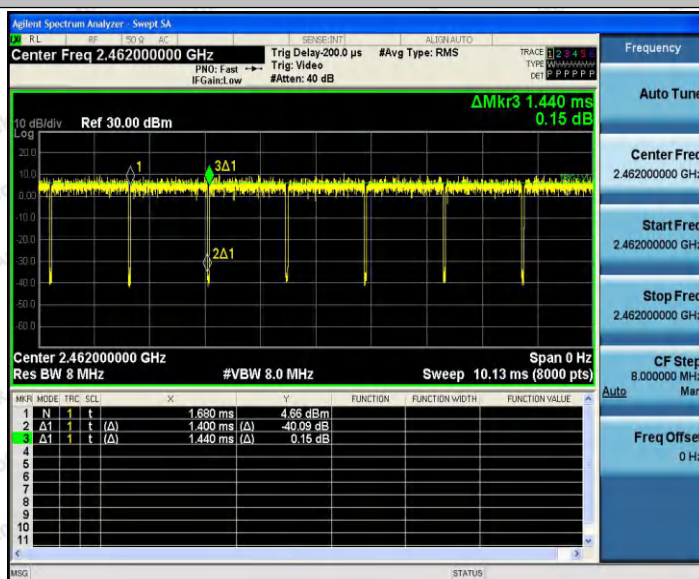
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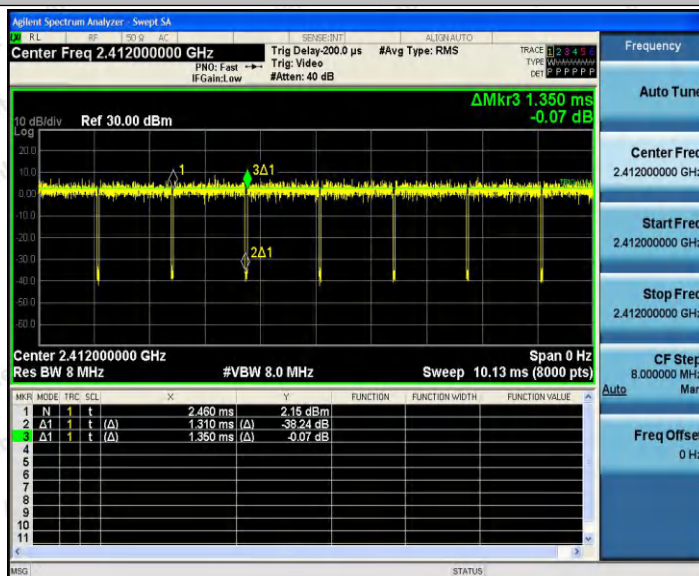
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11G_Ant1_2462



11N20_Ant1_2412



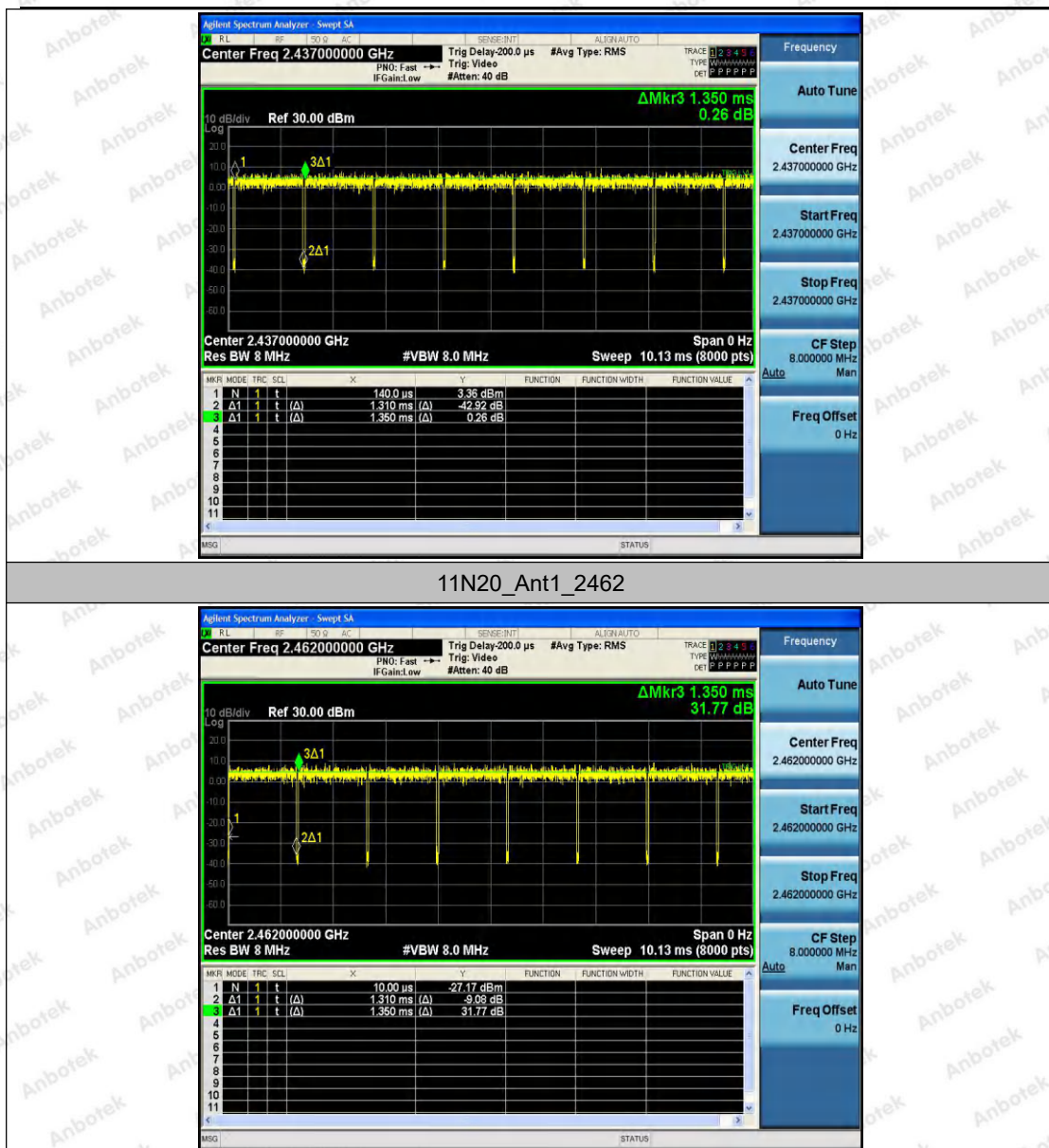
11N20_Ant1_2437

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