

Appendix Test Data

Report No.:	18220WC20125702	Test Sample No.:	1-2-2
Start Test Date:	2022.6.14	Finish Test Date:	2022.6.21
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
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	9.120	2407.440	2416.560	≥0.5	PASS
		2437	8.560	2432.960	2441.520	≥0.5	PASS
		2462	9.080	2457.480	2466.560	≥0.5	PASS
11G	Ant1	2412	16.520	2403.760	2420.280	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥0.5	PASS
		2462	16.440	2453.760	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.240	2403.560	2420.800	≥0.5	PASS
		2437	17.400	2428.200	2445.600	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS

Test Graphs





11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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11N20_Ant1_2462



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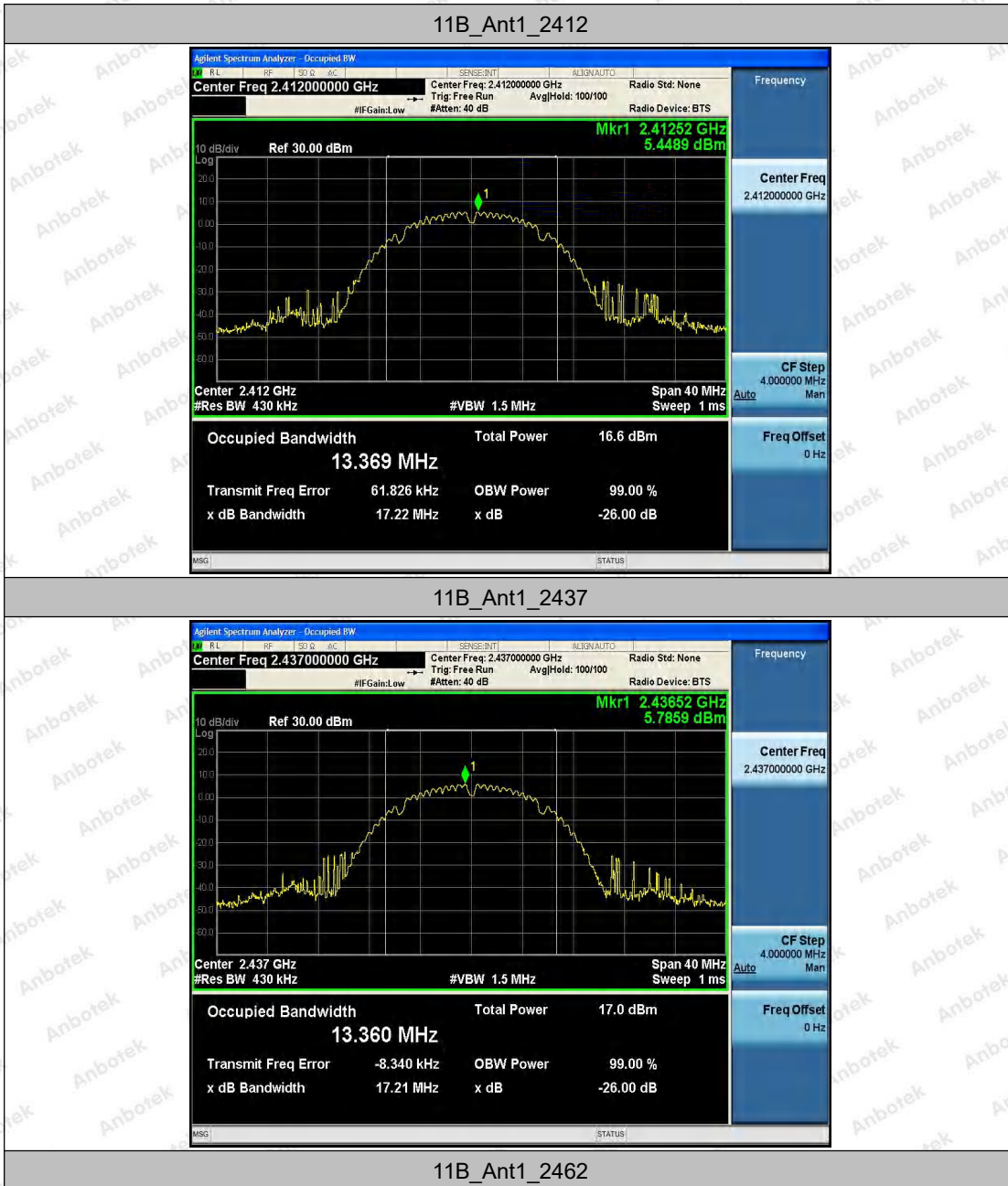
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.369	2405.377	2418.746	---	PASS
		2437	13.360	2430.312	2443.672	---	PASS
		2462	13.375	2455.313	2468.688	---	PASS
11G	Ant1	2412	17.016	2403.506	2420.522	---	PASS
		2437	17.116	2428.481	2445.597	---	PASS
		2462	16.985	2453.545	2470.530	---	PASS
11N20	Ant1	2412	17.797	2403.143	2420.940	---	PASS
		2437	17.756	2428.139	2445.895	---	PASS
		2462	17.783	2453.126	2470.909	---	PASS

Test Graphs

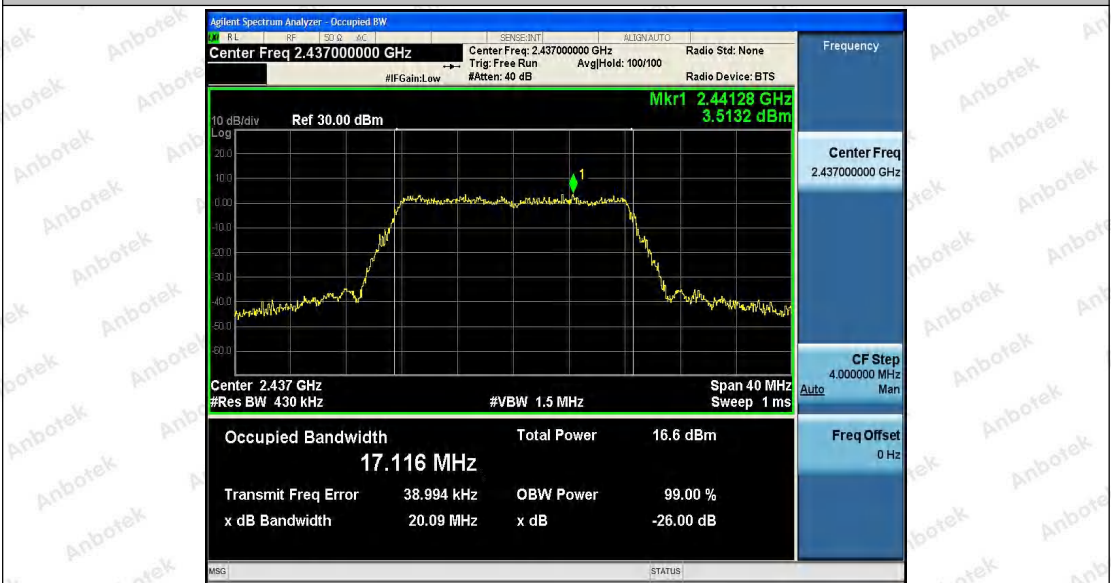




11G_Ant1_2412



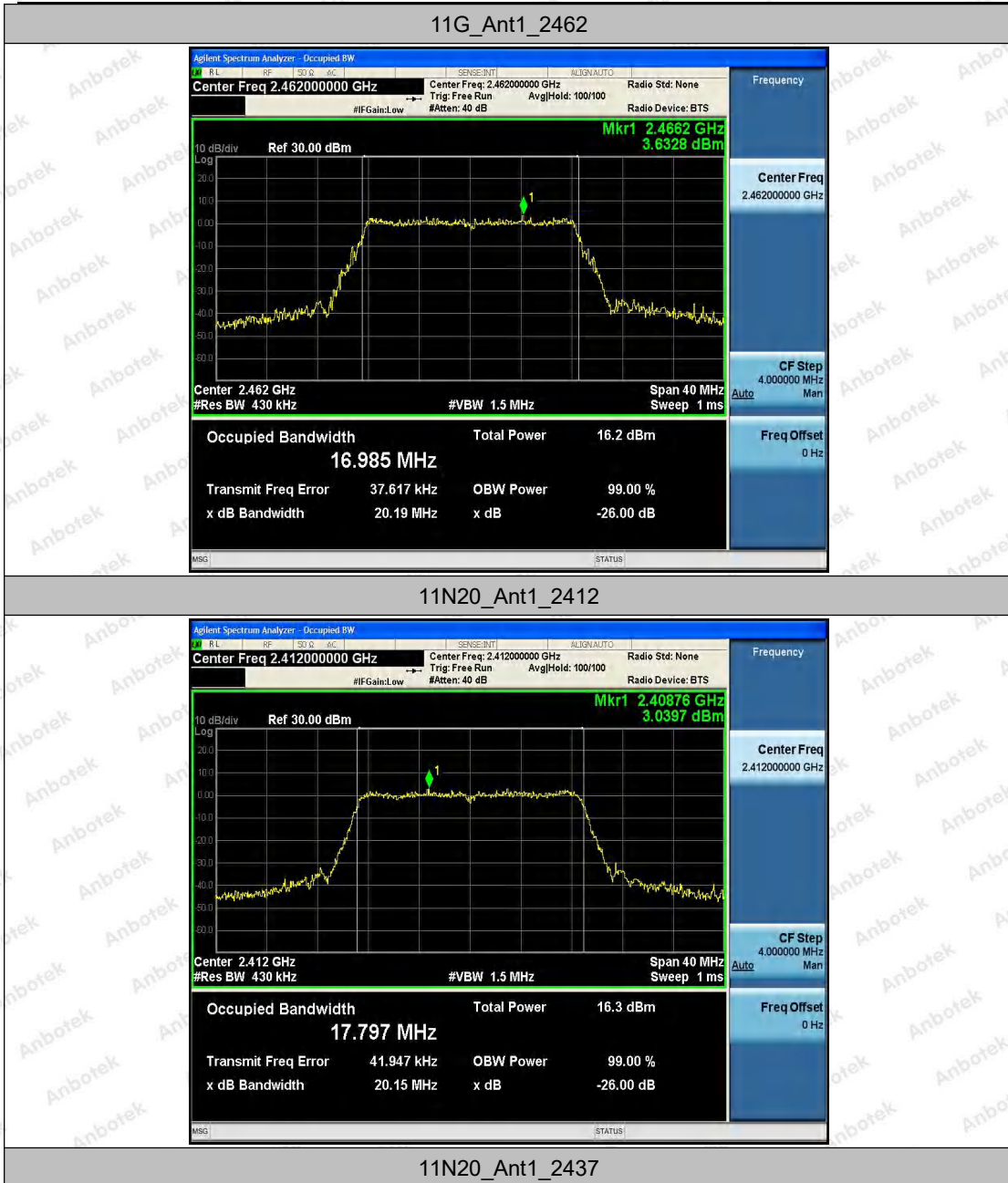
11G_Ant1_2437



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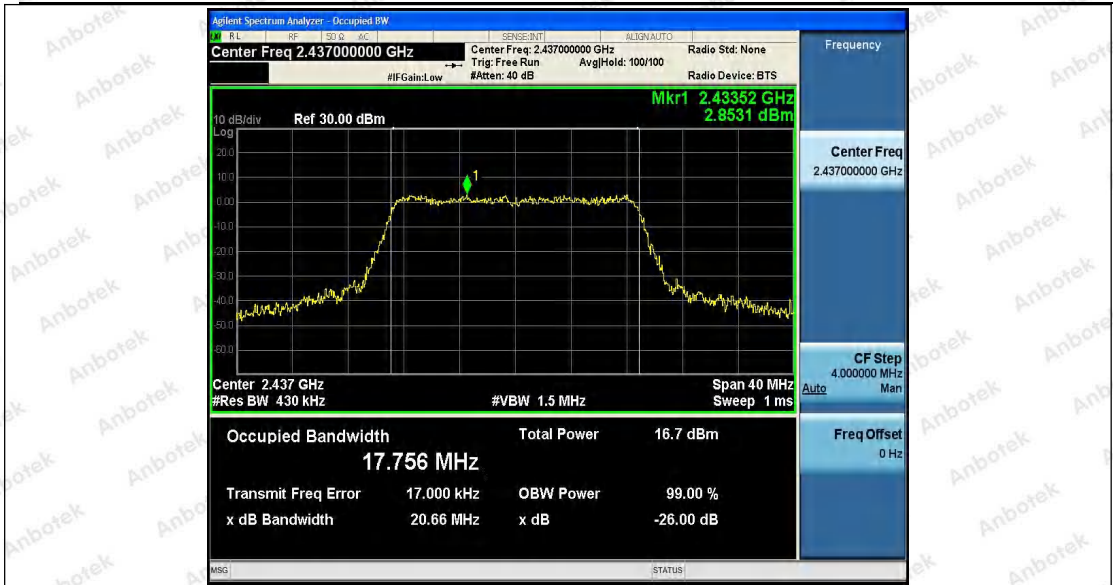
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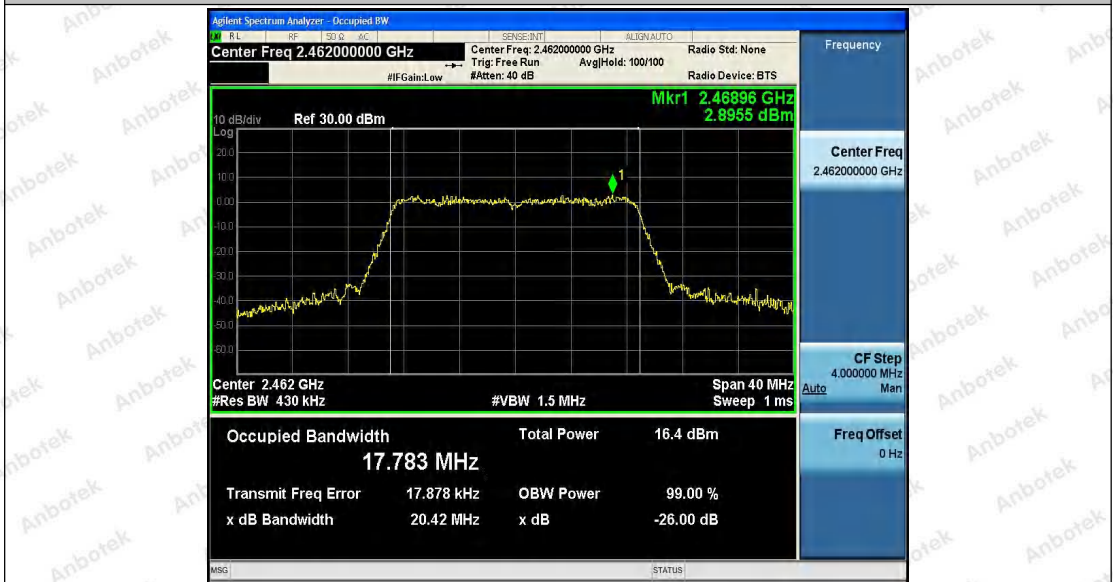
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11N20_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

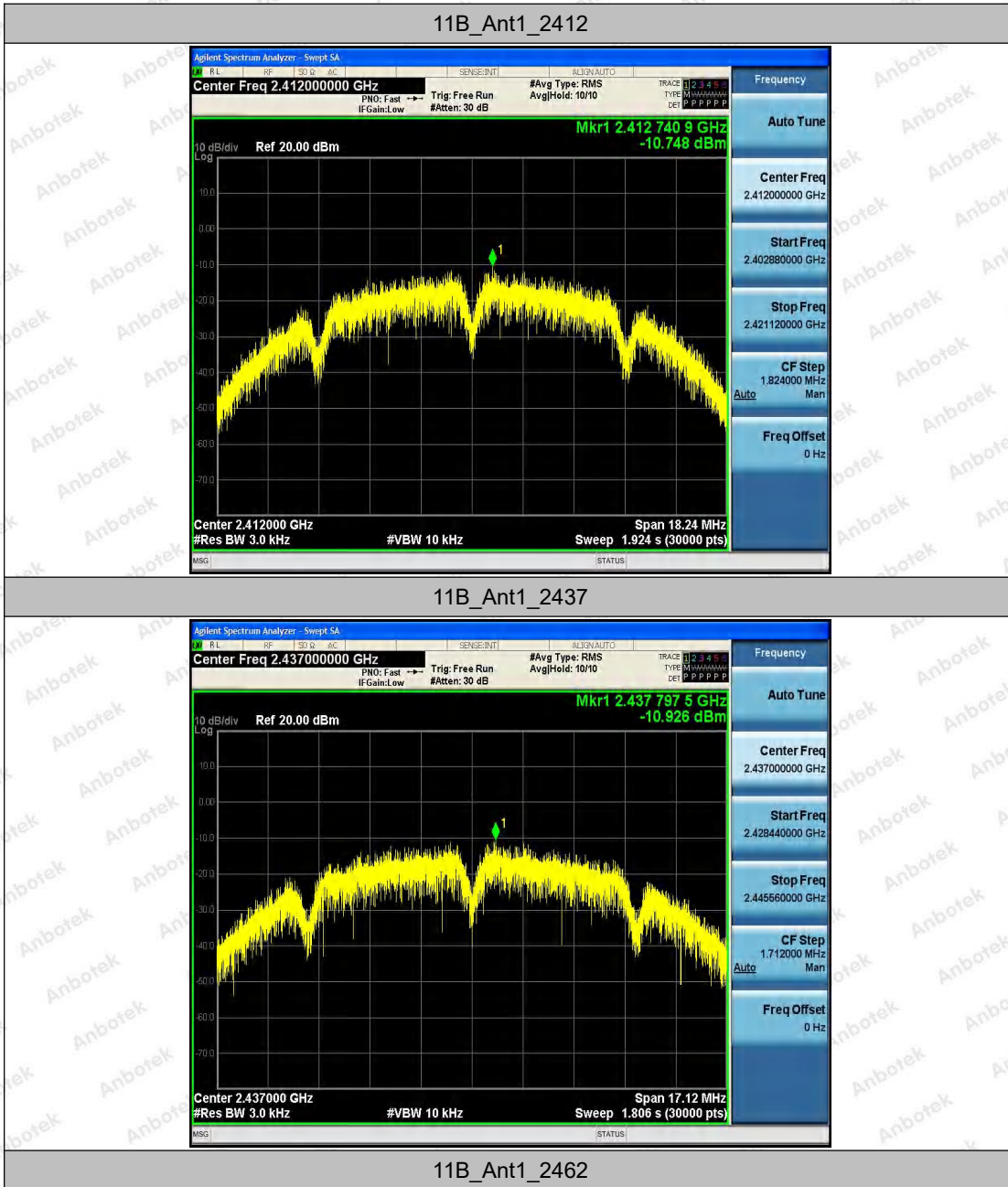
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.65	≤30	PASS
		2437	17.05	≤30	PASS
		2462	16.71	≤30	PASS
11G	Ant1	2412	17.27	≤30	PASS
		2437	17.76	≤30	PASS
		2462	17.39	≤30	PASS
11N20	Ant1	2412	17.48	≤30	PASS
		2437	17.93	≤30	PASS
		2462	17.71	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.75	≤8	PASS
		2437	-10.93	≤8	PASS
		2462	-11.13	≤8	PASS
11G	Ant1	2412	-15.03	≤8	PASS
		2437	-15.26	≤8	PASS
		2462	-15.11	≤8	PASS
11N20	Ant1	2412	-15.16	≤8	PASS
		2437	-15.49	≤8	PASS
		2462	-14.77	≤8	PASS

Test Graphs



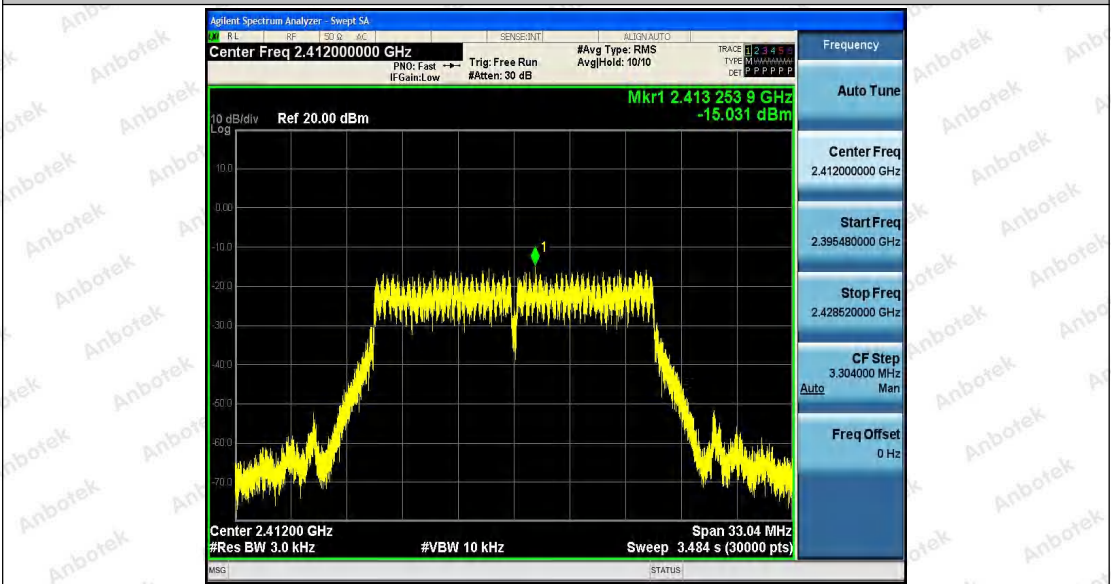
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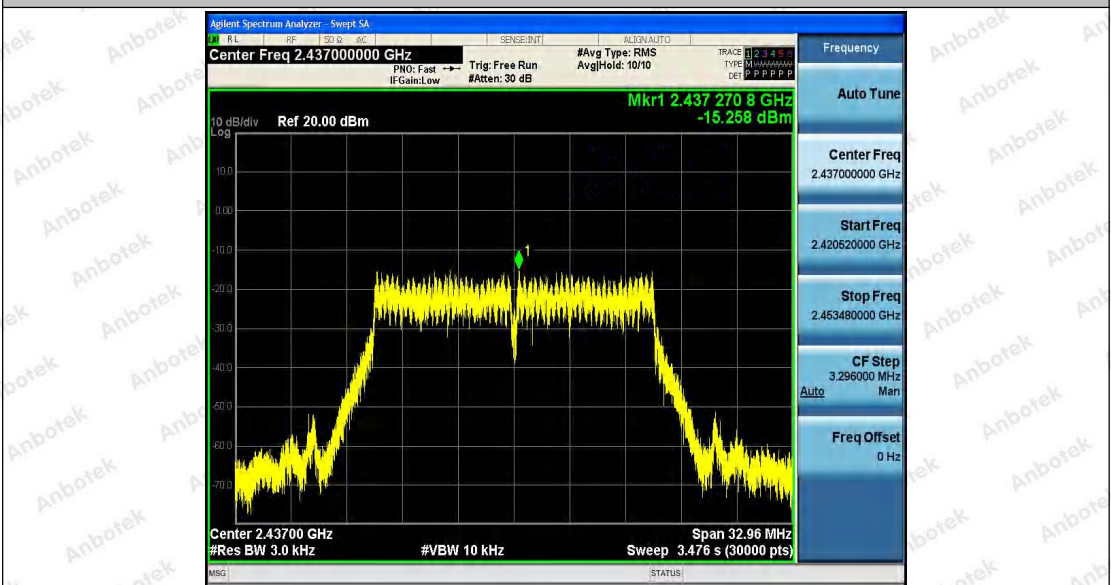
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11G_Ant1_2412



11G_Ant1_2437

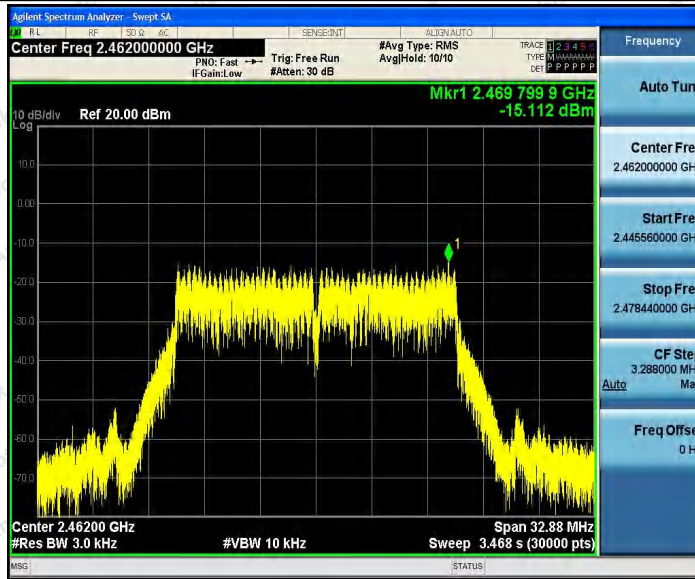


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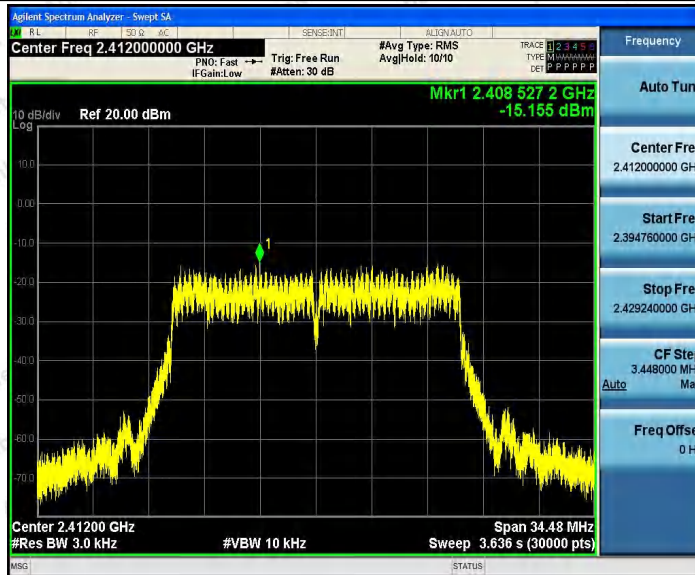
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11G_Ant1_2462



11N20_Ant1_2412

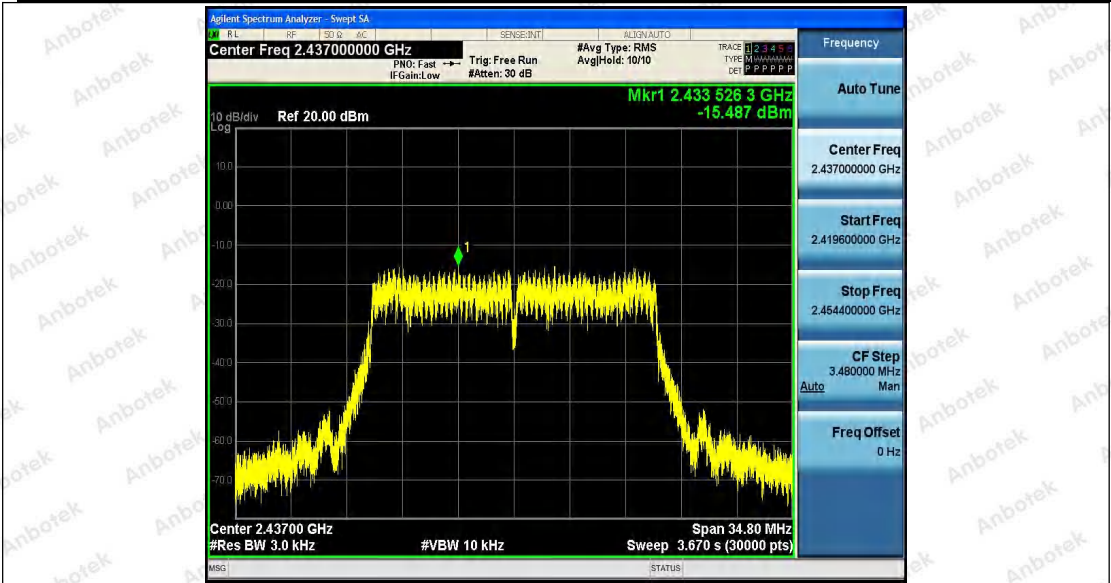


11N20_Ant1_2437

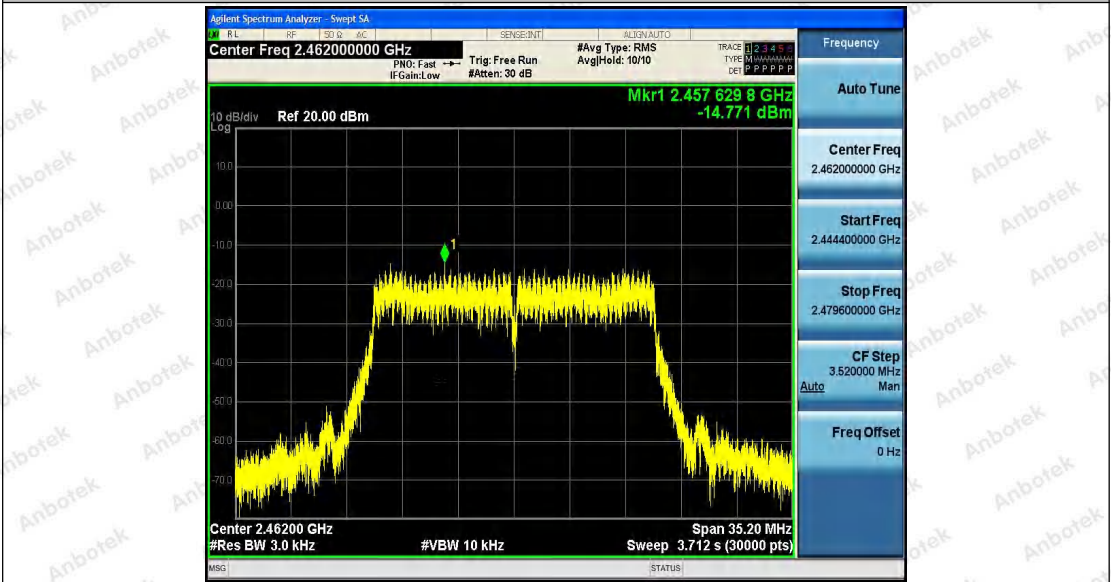
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.63	-40.78	≤-15.37	PASS
		High	2462	5.23	-54.19	≤-14.77	PASS
11G	Ant1	Low	2412	-0.37	-40.38	≤-20.37	PASS
		High	2462	-0.14	-49.32	≤-20.14	PASS
11N20	Ant1	Low	2412	-0.28	-39.89	≤-20.28	PASS
		High	2462	0.00	-49.01	≤-20	PASS

Test Graphs





11G_Ant1_High_2462



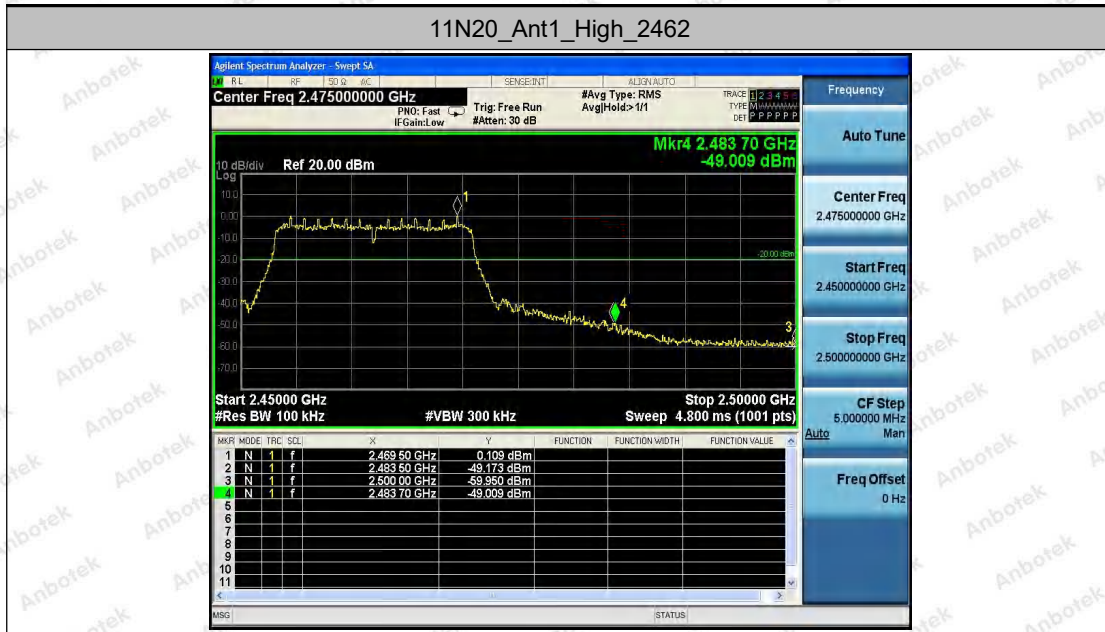
11N20_Ant1_Low_2412



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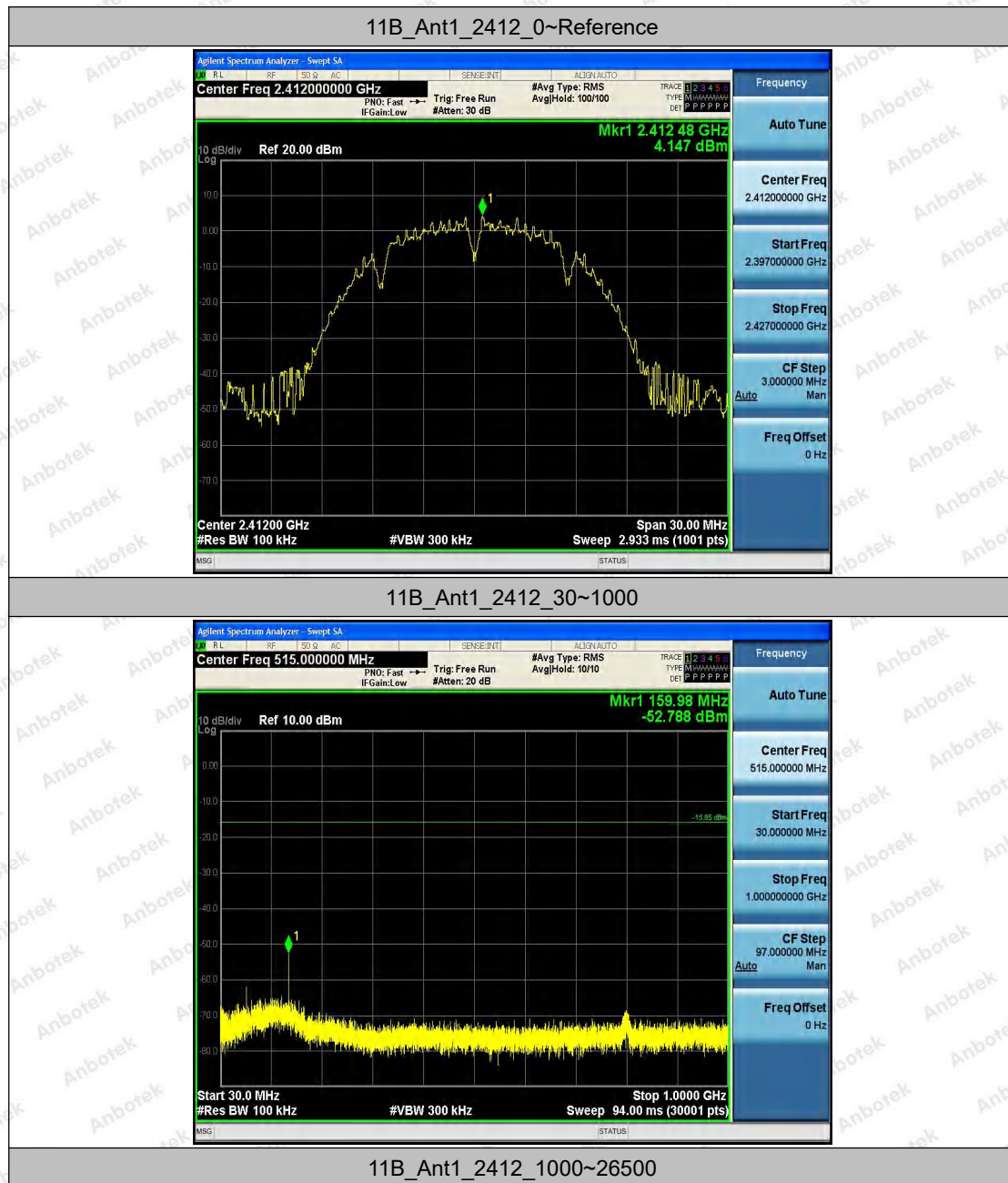
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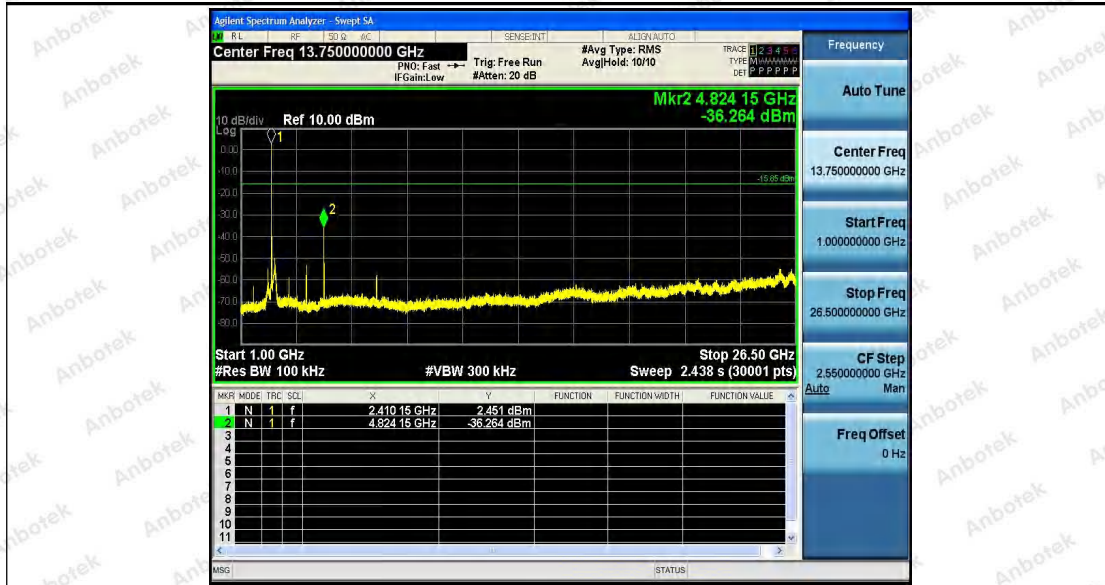
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-52.79	≤-15.85	PASS
			1000~26500	4.15	-36.26	≤-15.85	PASS
		2437	Reference	4.64	4.64	---	PASS
			30~1000	4.64	-53.36	≤-15.36	PASS
			1000~26500	4.64	-36.17	≤-15.36	PASS
		2462	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-52.96	≤-14.81	PASS
			1000~26500	5.19	-36.13	≤-14.81	PASS
11G	Ant1	2412	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-52.46	≤-20.64	PASS
			1000~26500	-0.64	-51.27	≤-20.64	PASS
		2437	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-53.23	≤-21.11	PASS
			1000~26500	-1.11	-49.49	≤-21.11	PASS
		2462	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-52.64	≤-20.31	PASS
			1000~26500	-0.31	-49.39	≤-20.31	PASS
11N20	Ant1	2412	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-52.97	≤-20.8	PASS
			1000~26500	-0.80	-51.27	≤-20.8	PASS
		2437	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-52.85	≤-20.44	PASS
			1000~26500	-0.44	-50.81	≤-20.44	PASS
		2462	Reference	-0.57	-0.57	---	PASS
			30~1000	-0.57	-52.45	≤-20.57	PASS
			1000~26500	-0.57	-50.93	≤-20.57	PASS

Test Graphs

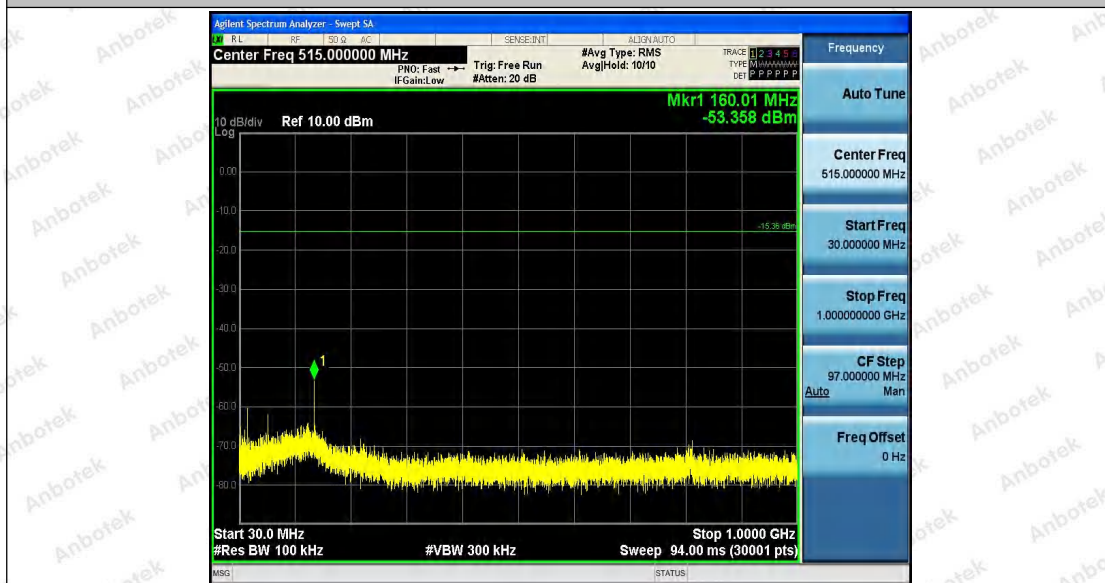




11B_Ant1_2437_0~Reference



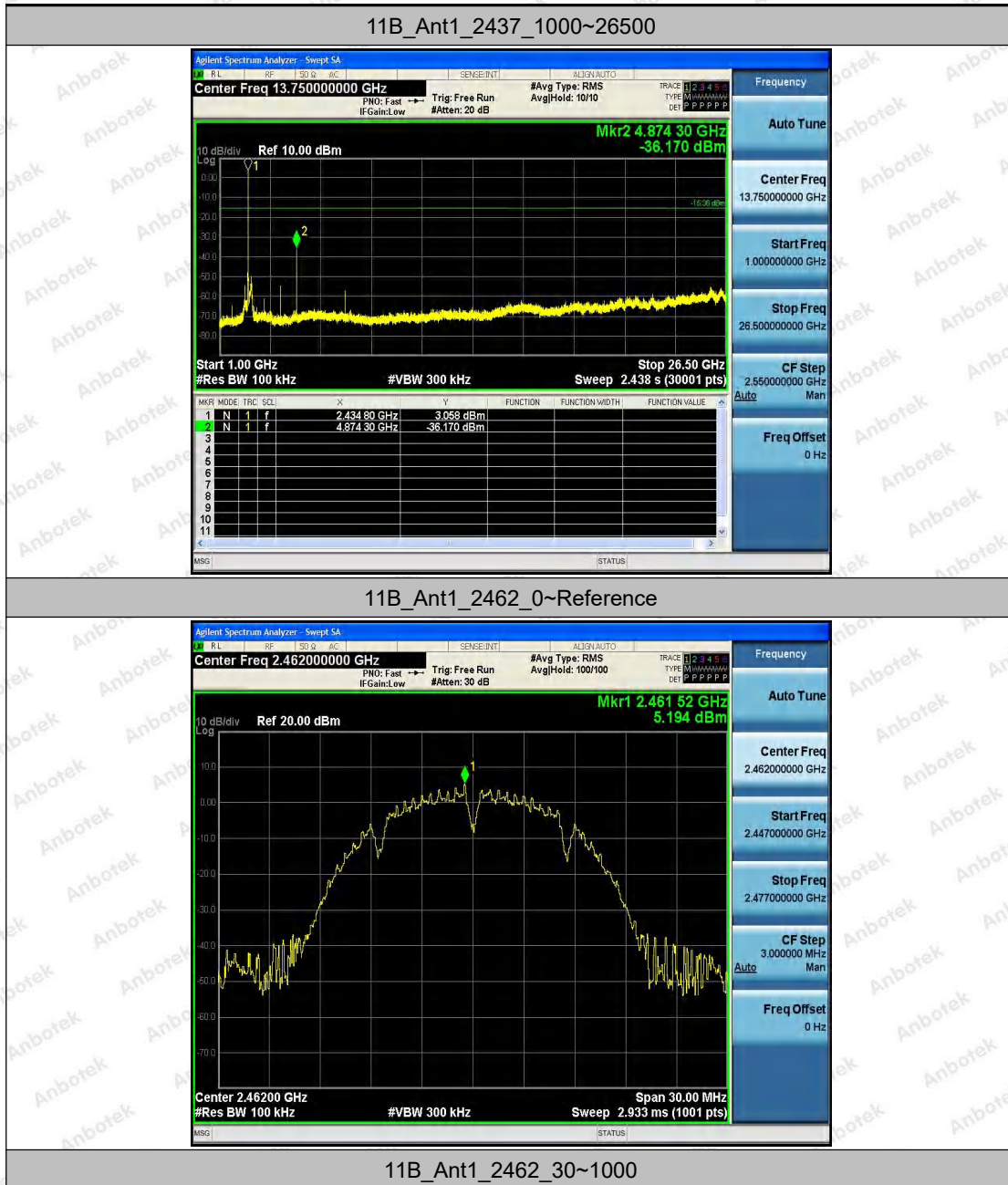
11B_Ant1_2437_30~1000



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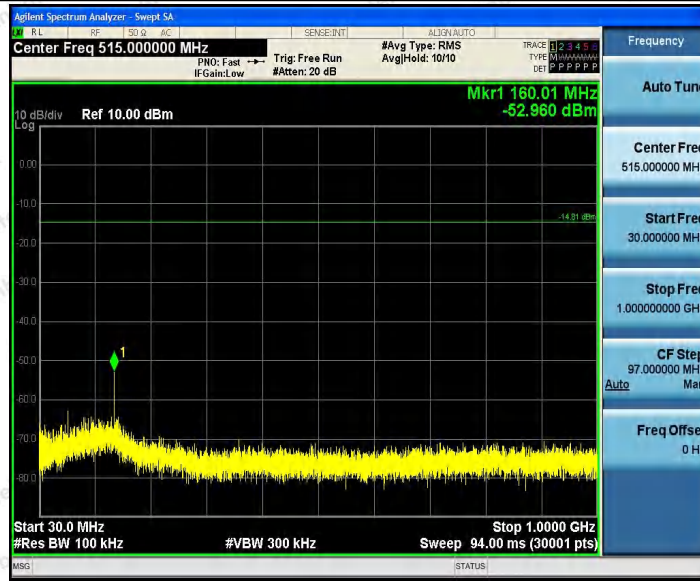
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11B_Ant1_2462_1000~26500



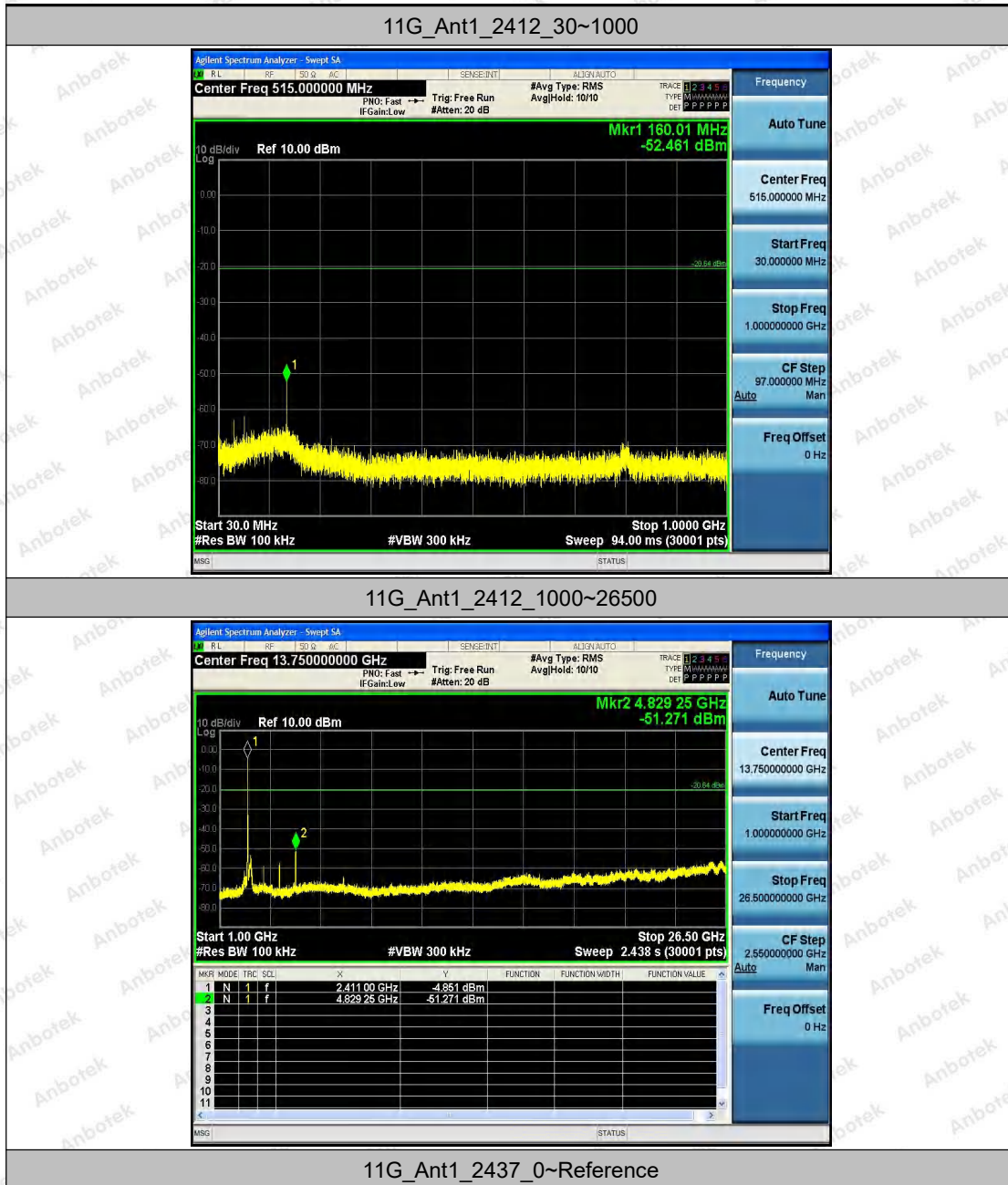
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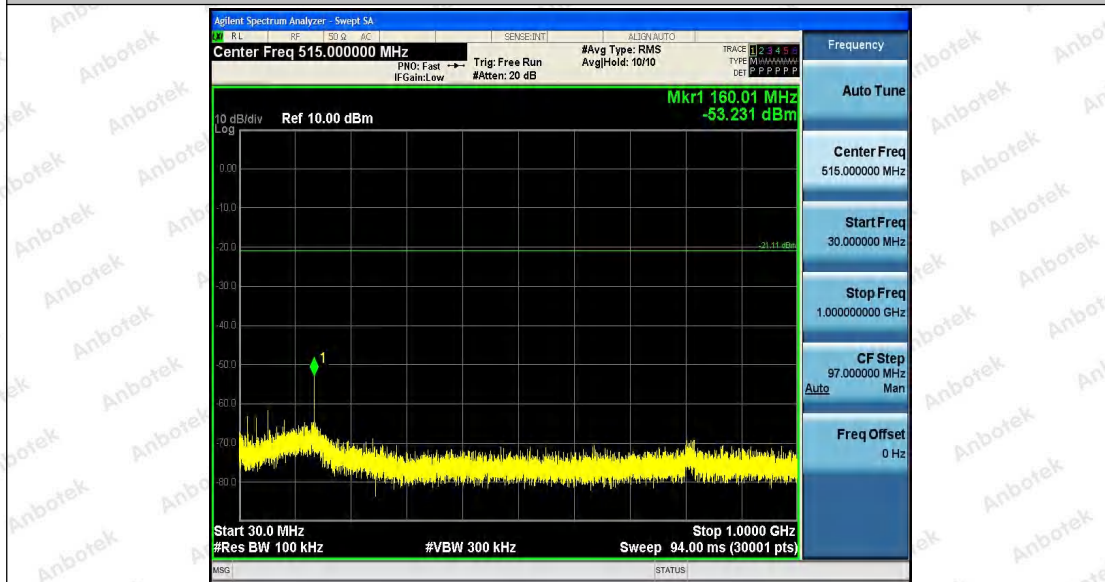
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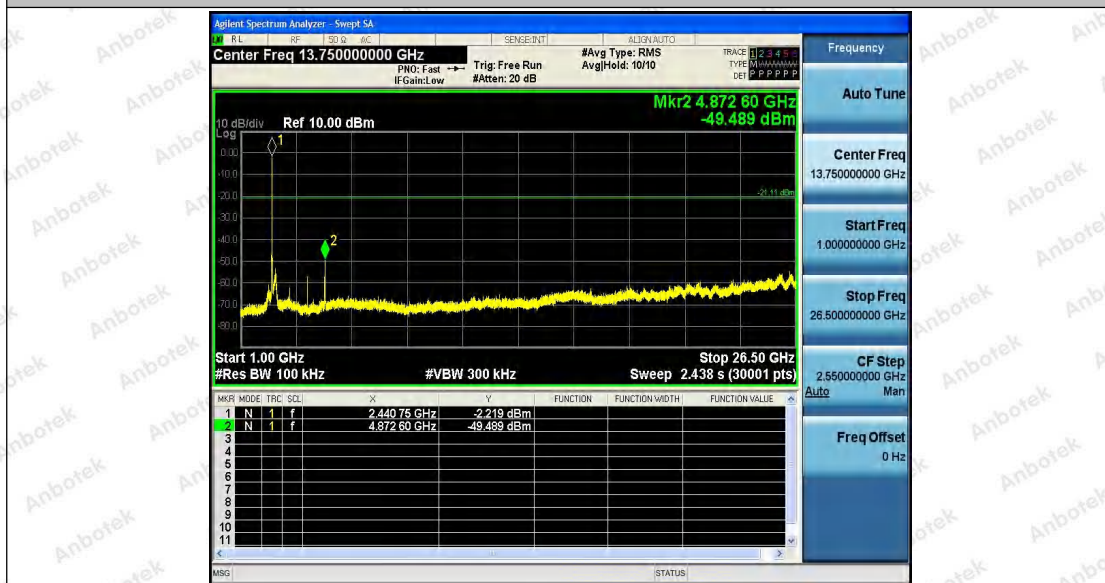
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11G_Ant1_2437_30~1000



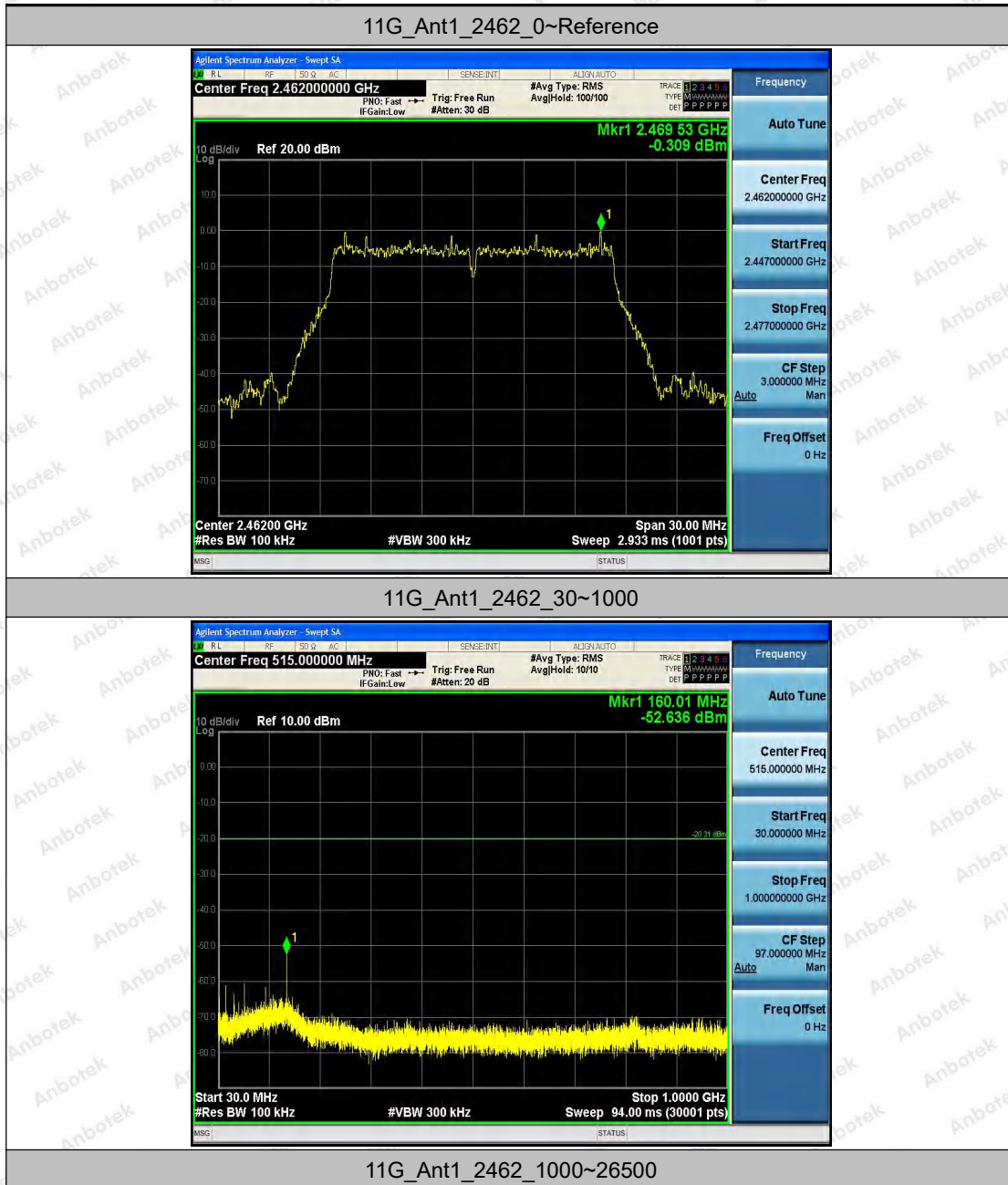
11G_Ant1_2437_1000~26500



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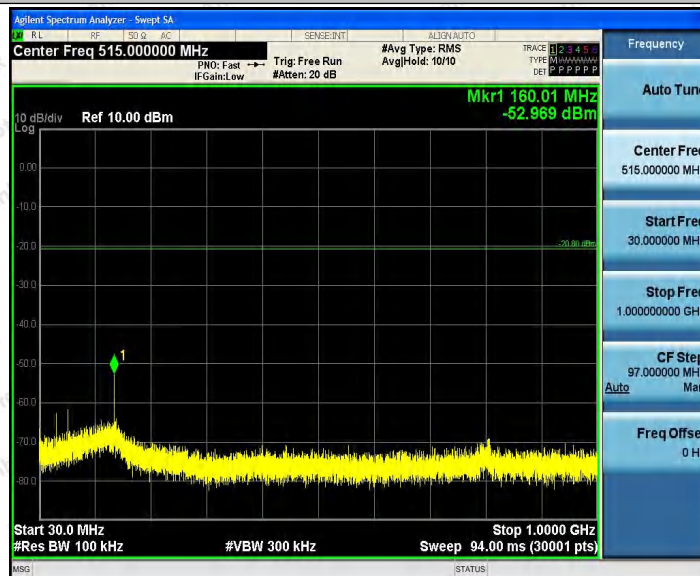
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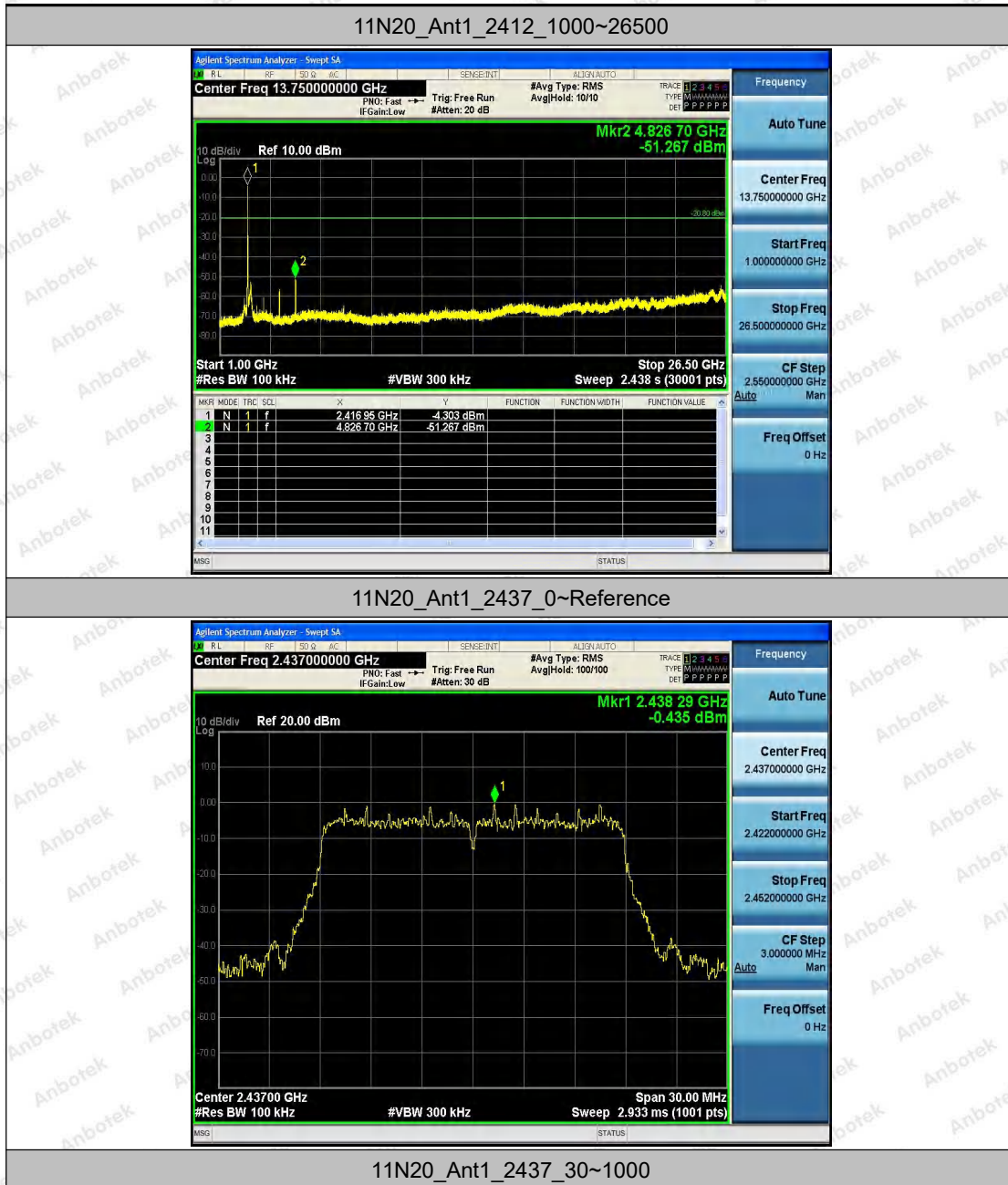
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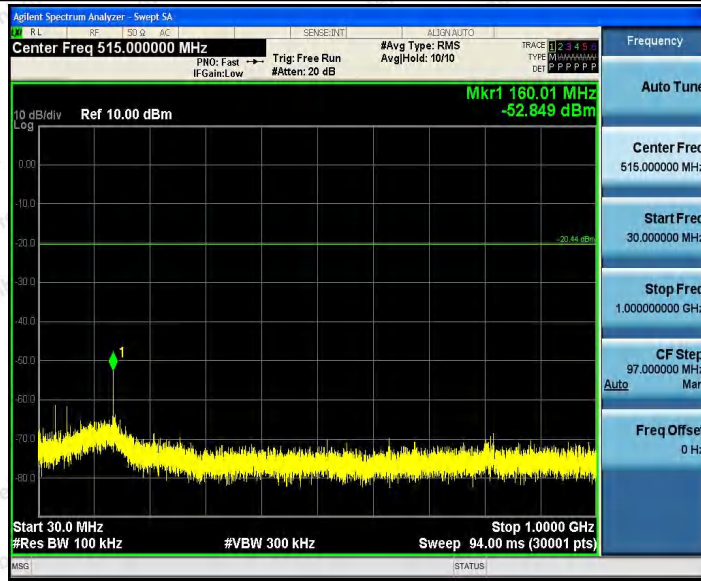
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11N20_Ant1_2437_1000~26500



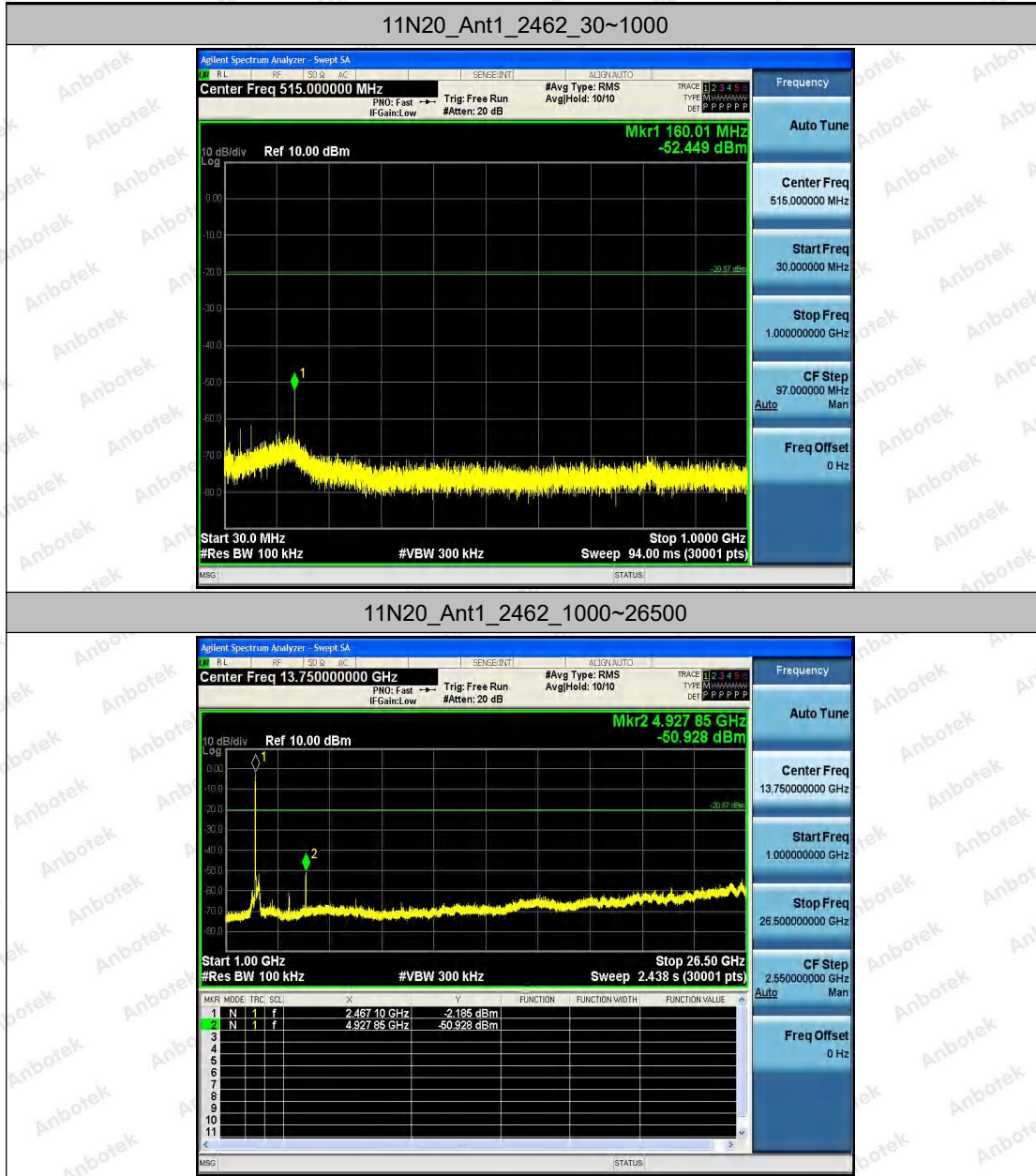
11N20_Ant1_2462_0~Reference



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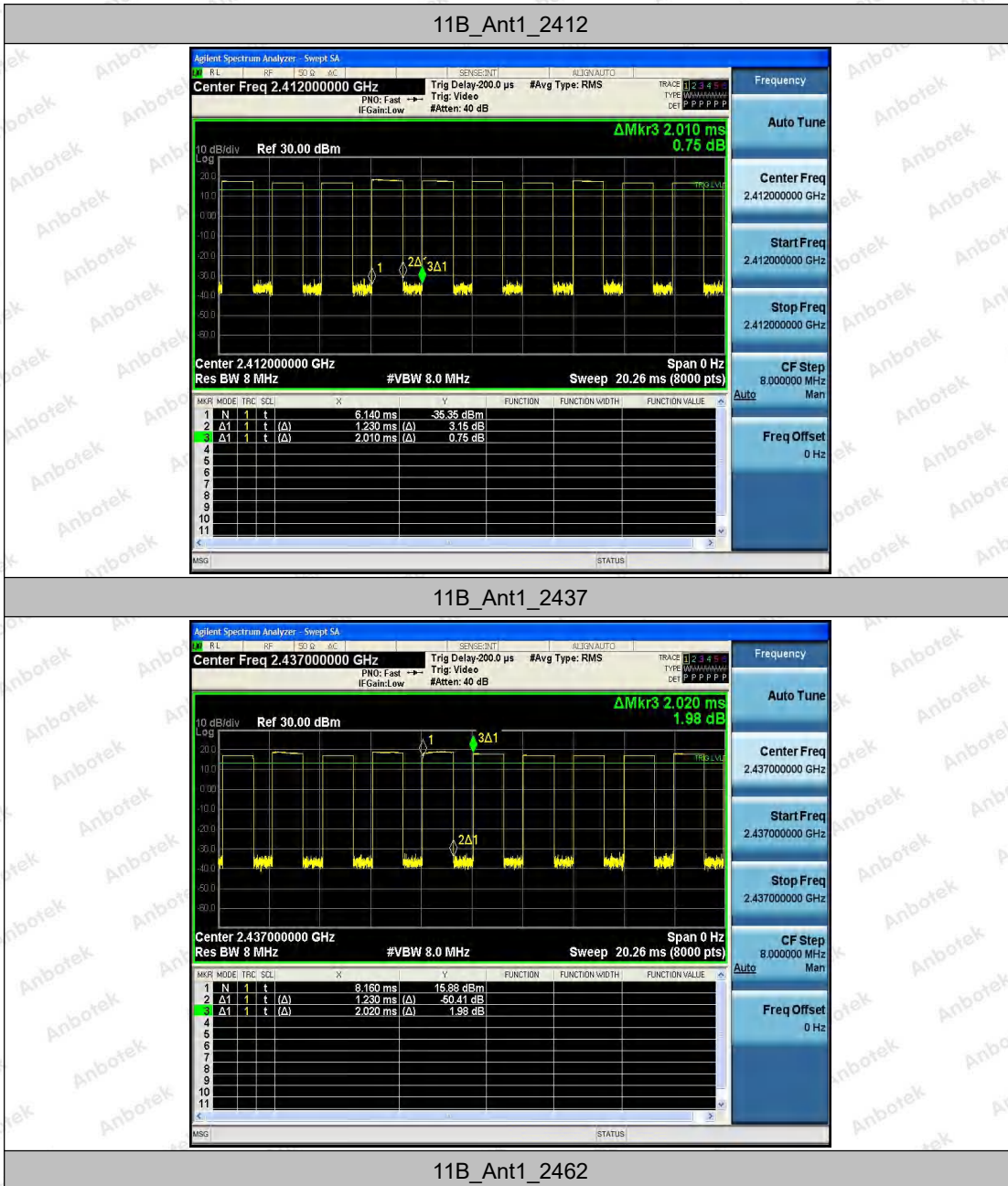
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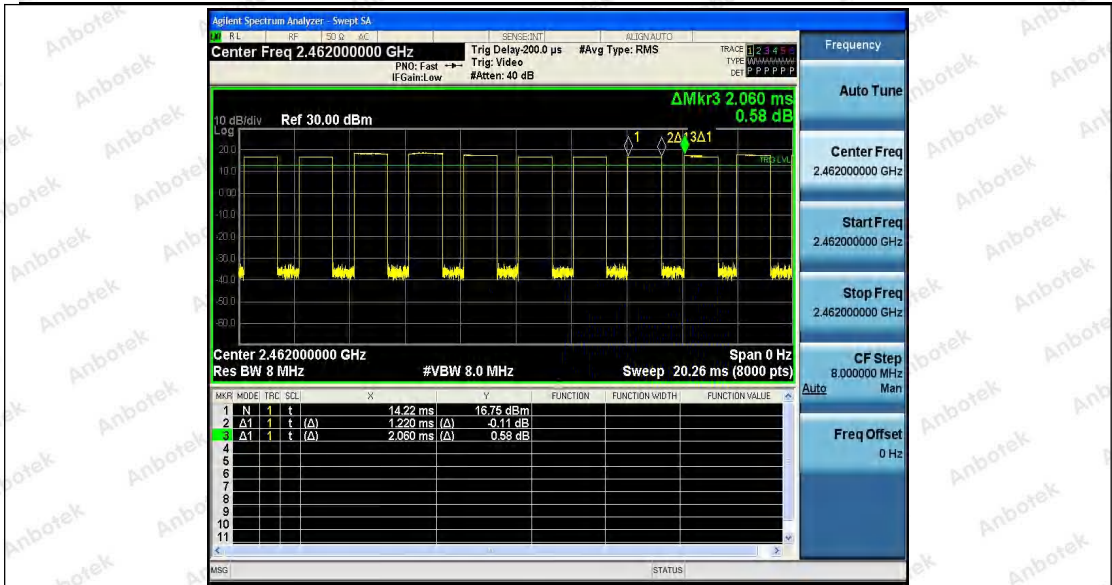
Appendix G: Duty Cycle

Test Result

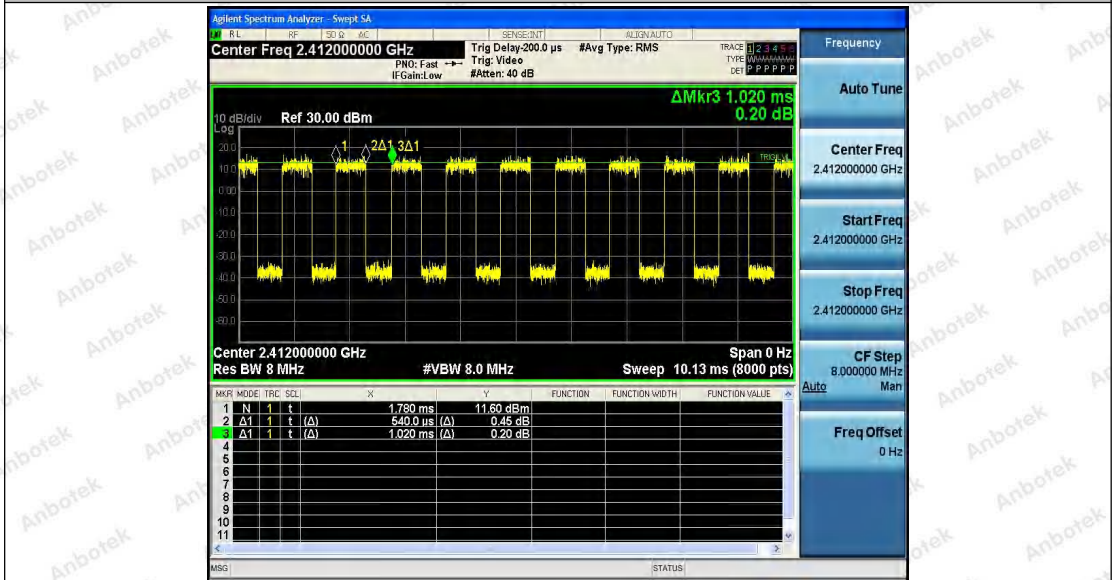
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	1.23	2.01	61.19	---	PASS
		2437	1.23	2.02	60.89	---	PASS
		2462	1.22	2.06	59.22	---	PASS
11G	Ant1	2412	0.54	1.02	52.94	---	PASS
		2437	0.55	1.02	53.92	---	PASS
		2462	0.54	1.02	52.94	---	PASS
11N20	Ant1	2412	0.54	1.01	53.47	---	PASS
		2437	0.55	1.00	55.00	---	PASS
		2462	0.55	1.01	54.46	---	PASS

Test Graphs

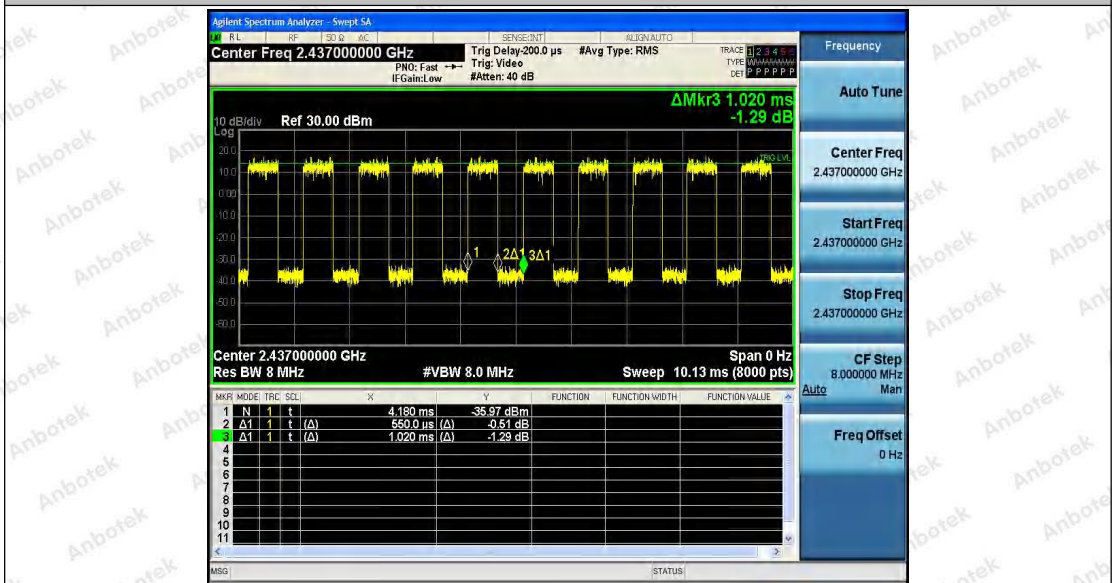




11G_Ant1_2412



11G_Ant1_2437

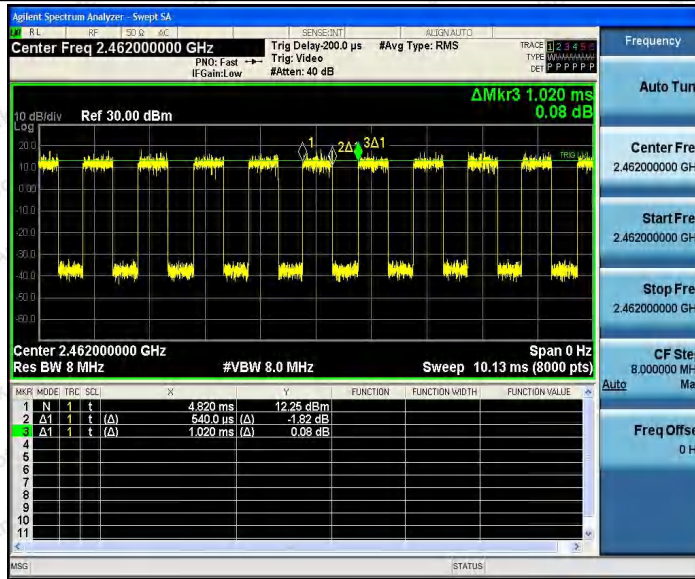


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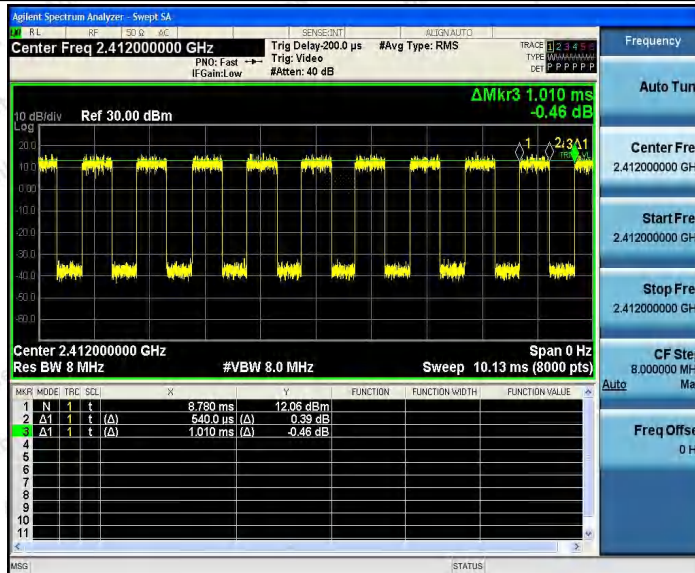
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11N20_Ant1_2412

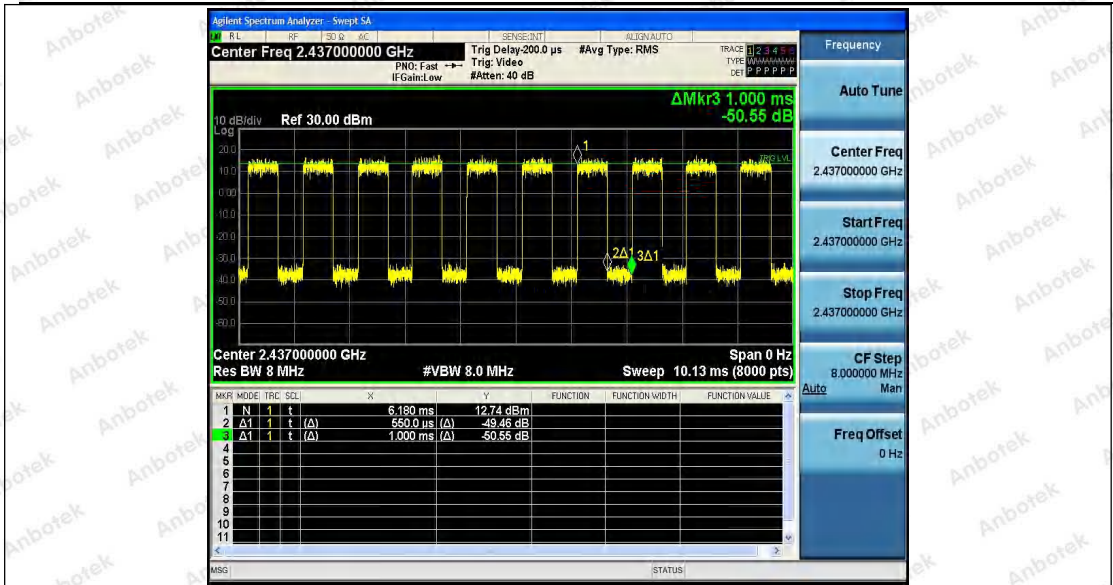


11N20_Ant1_2437

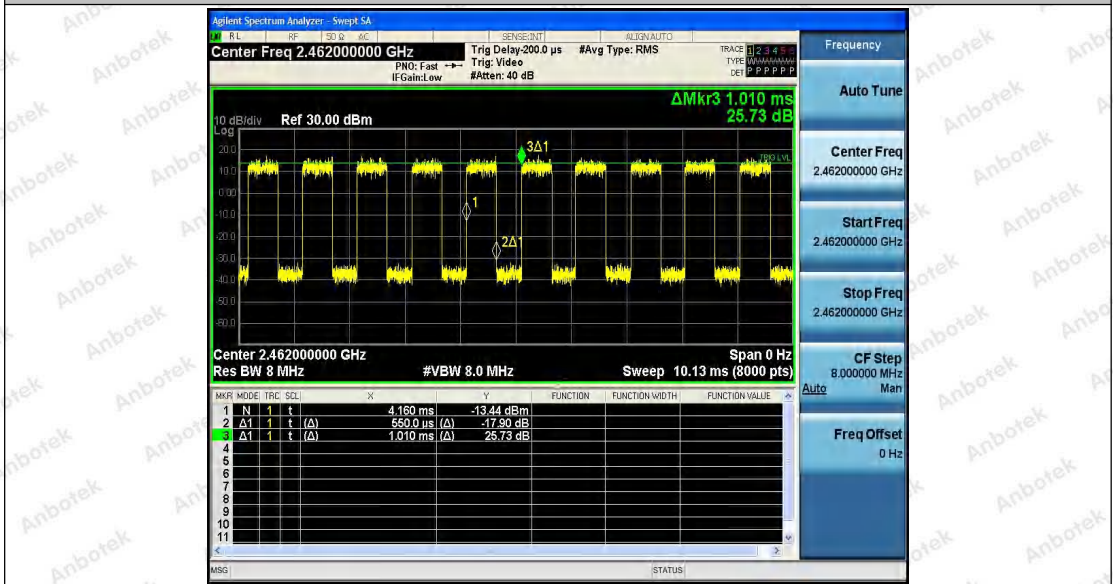
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---End---