

Appendix Test Data

Report No.:	18220WC10272102	Test Sample No.:	1-2-2
Start Test Date:	2021.12.13	Finish Test Date:	2022.01.07
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	57.2 %
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	9.600	2407.480	2417.080	≥0.5	PASS
		2437	9.440	2432.440	2441.880	≥0.5	PASS
		2462	10.000	2457.160	2467.160	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	13.160	2431.000	2444.160	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	16.320	2403.600	2419.920	≥0.5	PASS
		2437	16.880	2428.560	2445.440	≥0.5	PASS
		2462	17.640	2453.200	2470.840	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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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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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.980	2405.505	2418.485	---	PASS
		2437	13.100	2430.493	2443.593	---	PASS
		2462	13.014	2455.519	2468.533	---	PASS
11G	Ant1	2412	17.274	2403.383	2420.657	---	PASS
		2437	17.282	2428.398	2445.680	---	PASS
		2462	17.294	2453.347	2470.641	---	PASS
11N20	Ant1	2412	17.282	2403.366	2420.648	---	PASS
		2437	17.321	2428.364	2445.685	---	PASS
		2462	17.516	2453.260	2470.776	---	PASS

Test Graphs

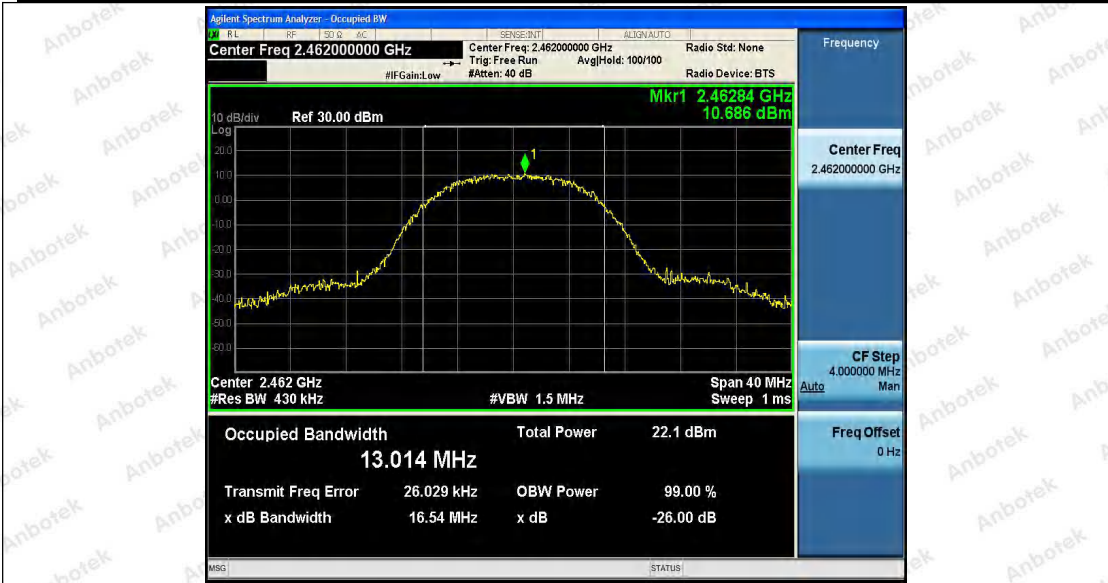


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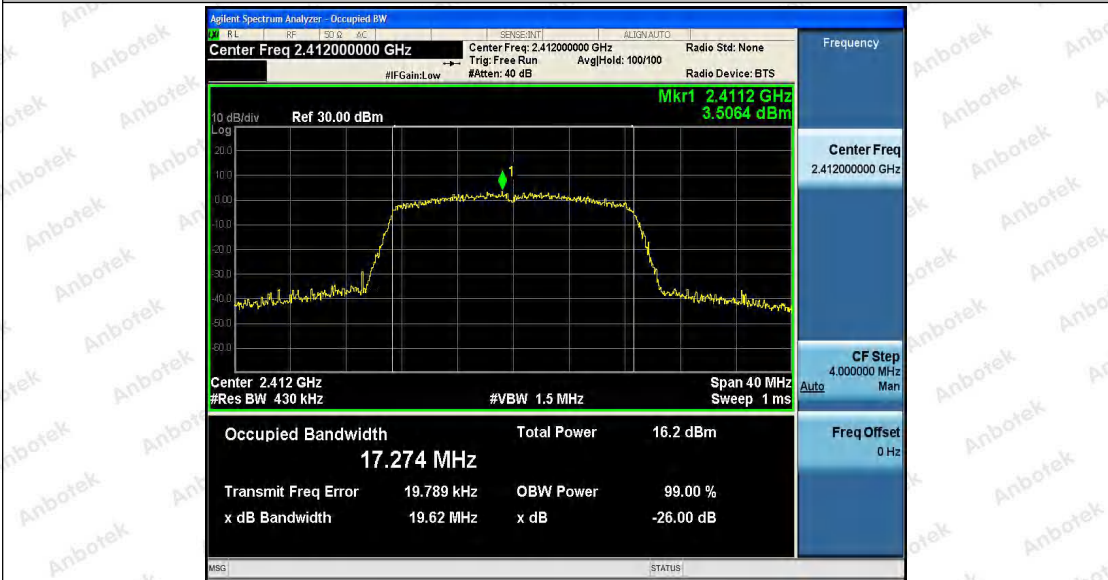
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11G_Ant1_2412



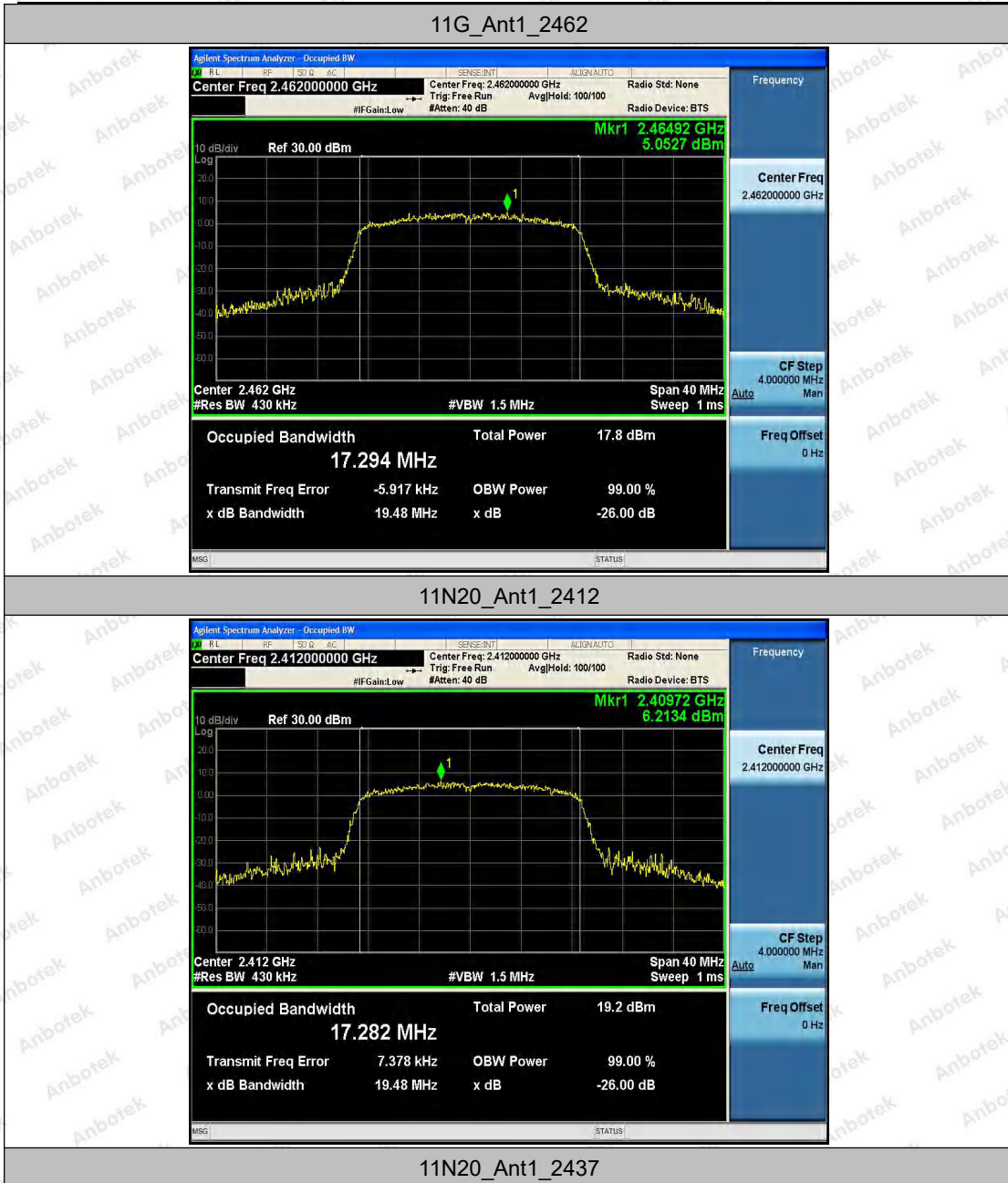
11G_Ant1_2437



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11N20_Ant1_2462



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Appendix C: Maximum conducted output power

Test Result

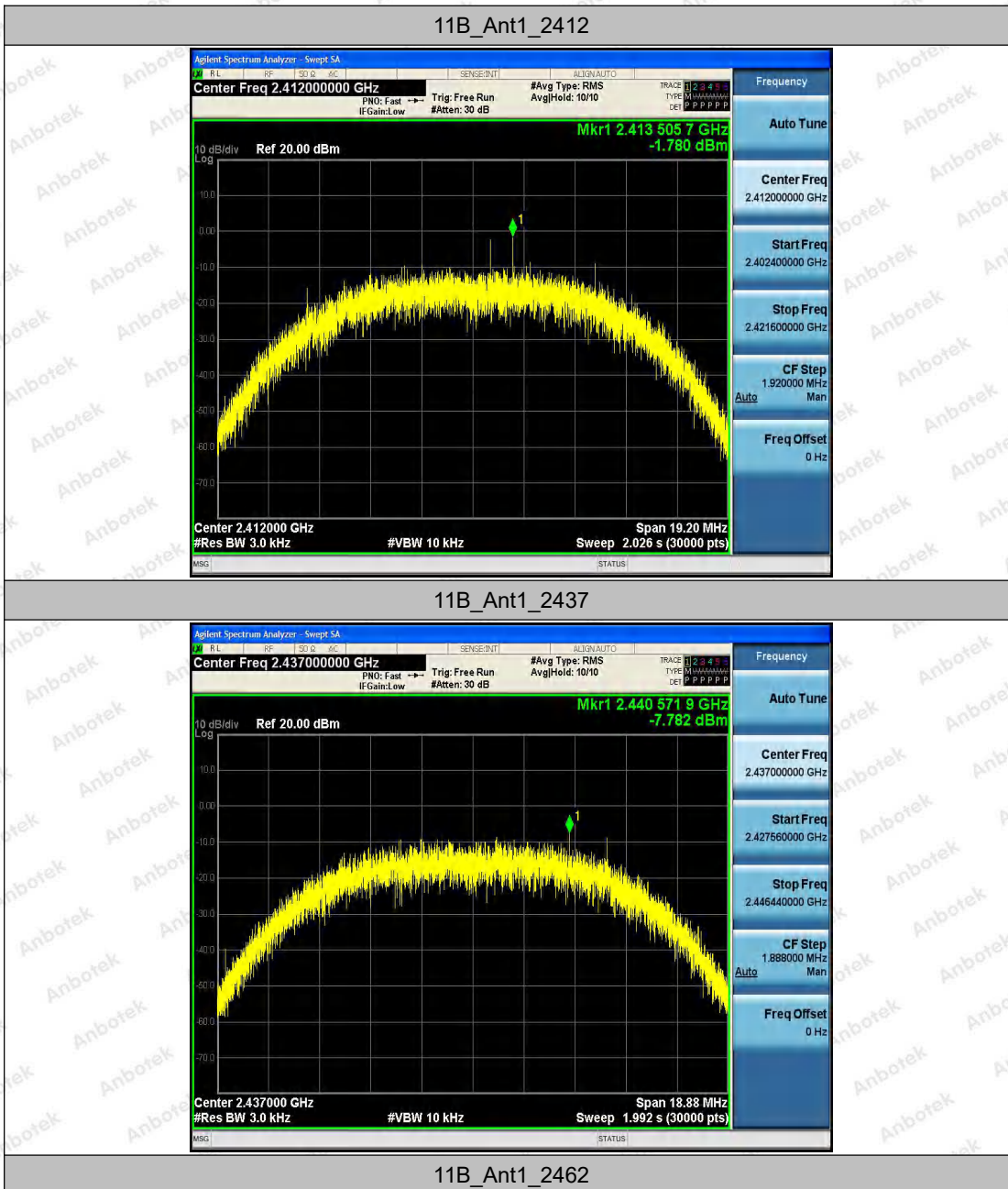
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	22.92	≤30	PASS
		2437	23.45	≤30	PASS
		2462	21.17	≤30	PASS
11G	Ant1	2412	19.42	≤30	PASS
		2437	19.96	≤30	PASS
		2462	20.85	≤30	PASS
11N20	Ant1	2412	22.32	≤30	PASS
		2437	22.90	≤30	PASS
		2462	20.46	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-1.78	≤8	PASS
		2437	-7.78	≤8	PASS
		2462	-7.72	≤8	PASS
11G	Ant1	2412	-14.63	≤8	PASS
		2437	-13.12	≤8	PASS
		2462	-12.9	≤8	PASS
11N20	Ant1	2412	-11.21	≤8	PASS
		2437	-10.83	≤8	PASS
		2462	-13.15	≤8	PASS

Test Graphs

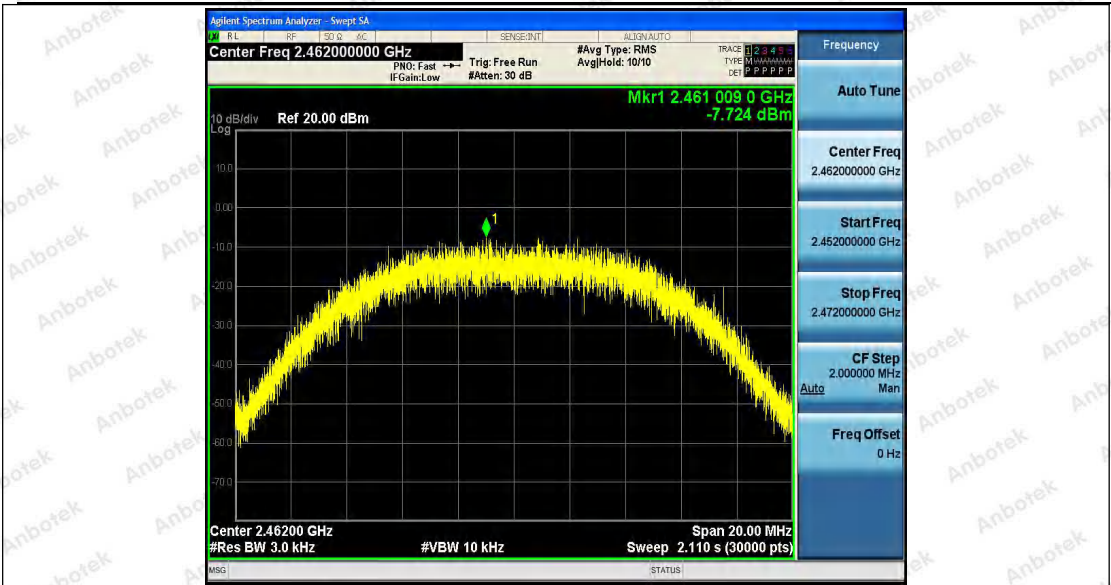


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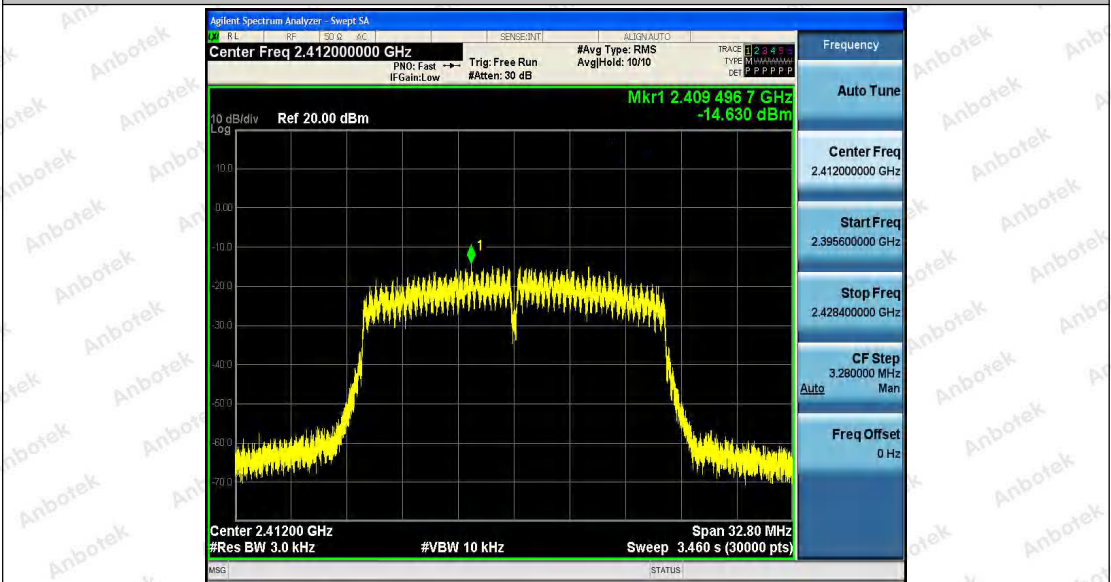
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

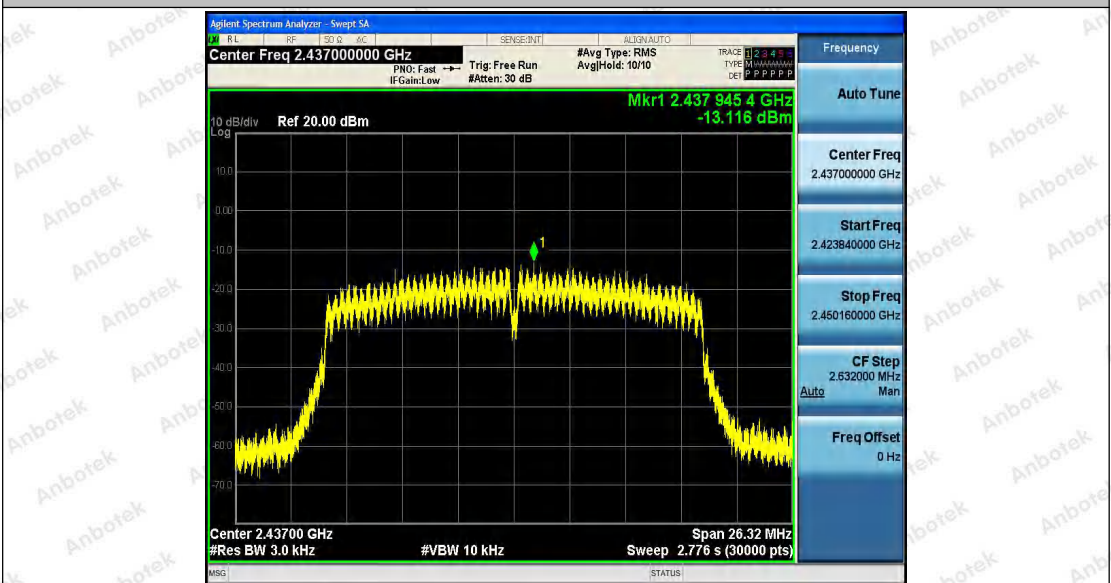
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11G_Ant1_2412



11G_Ant1_2437

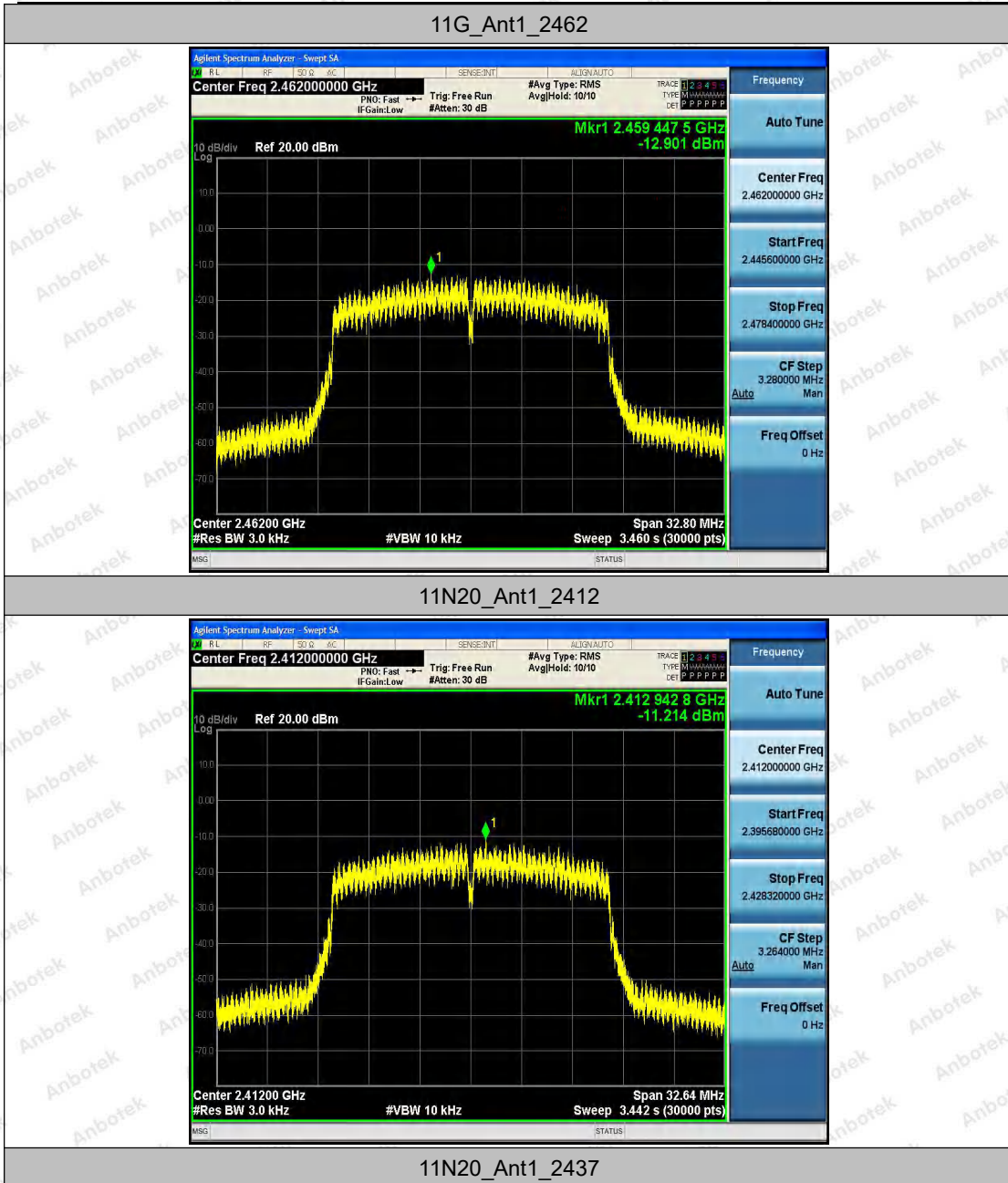


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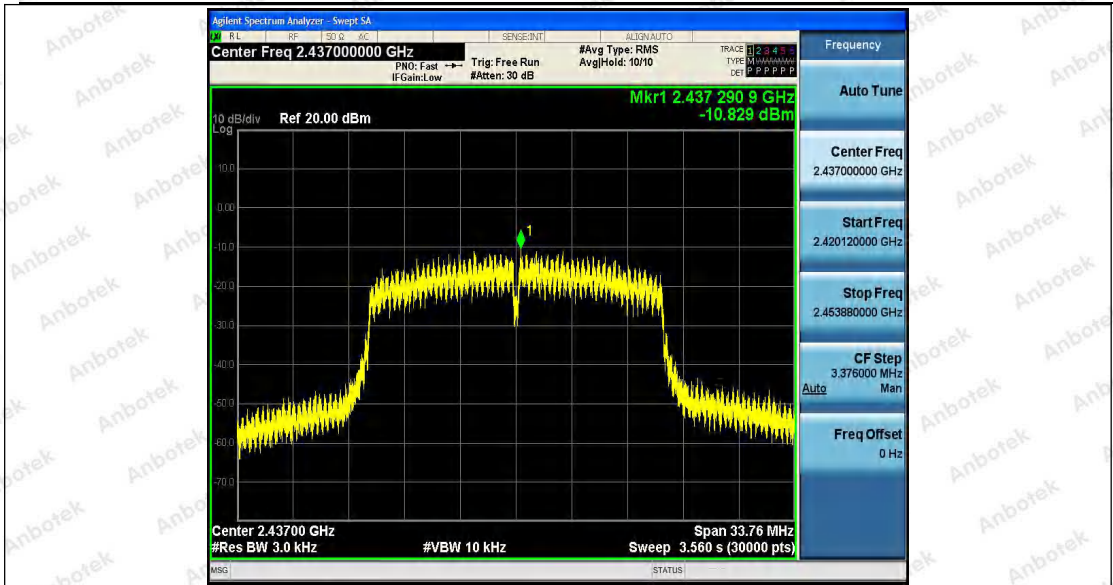
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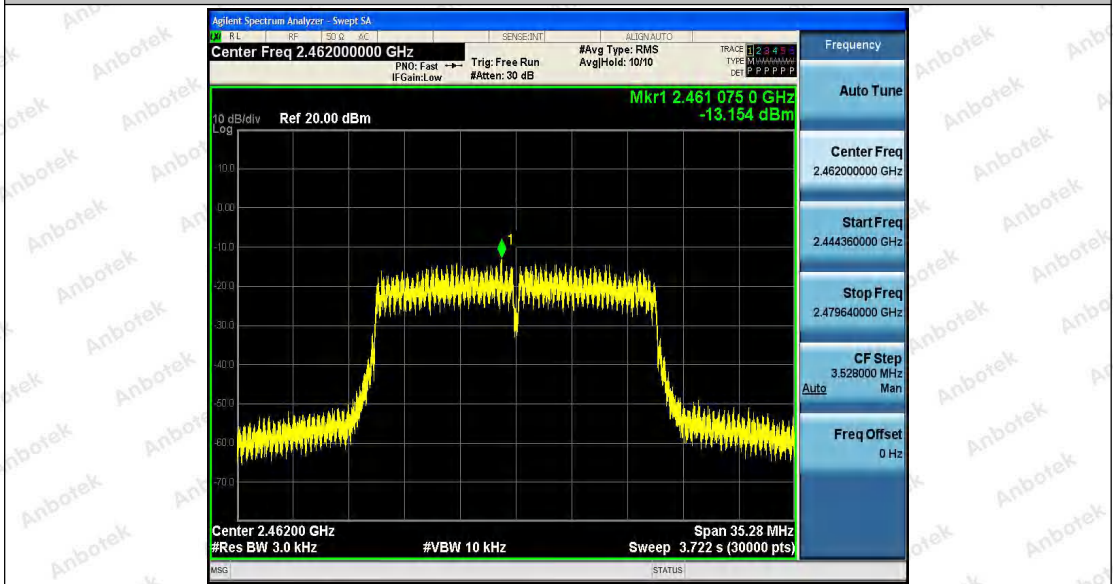
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11N20_Ant1_2462



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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	7.78	-35.76	≤-12.22	PASS
		High	2462	7.23	-46.37	≤-12.77	PASS
11G	Ant1	Low	2412	-0.31	-41.09	≤-20.31	PASS
		High	2462	-1.67	-48.34	≤-21.67	PASS
11N20	Ant1	Low	2412	1.35	-35.82	≤-18.65	PASS
		High	2462	0.00	-43.99	≤-20	PASS

Test Graphs





11G_Ant1_High_2462



11N20_Ant1_Low_2412

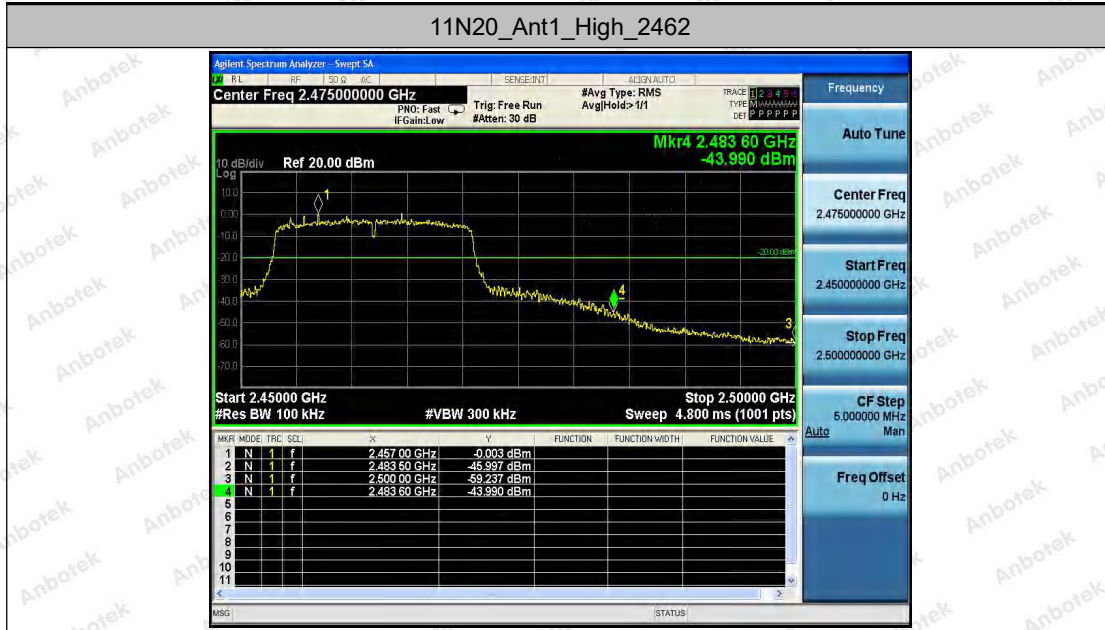


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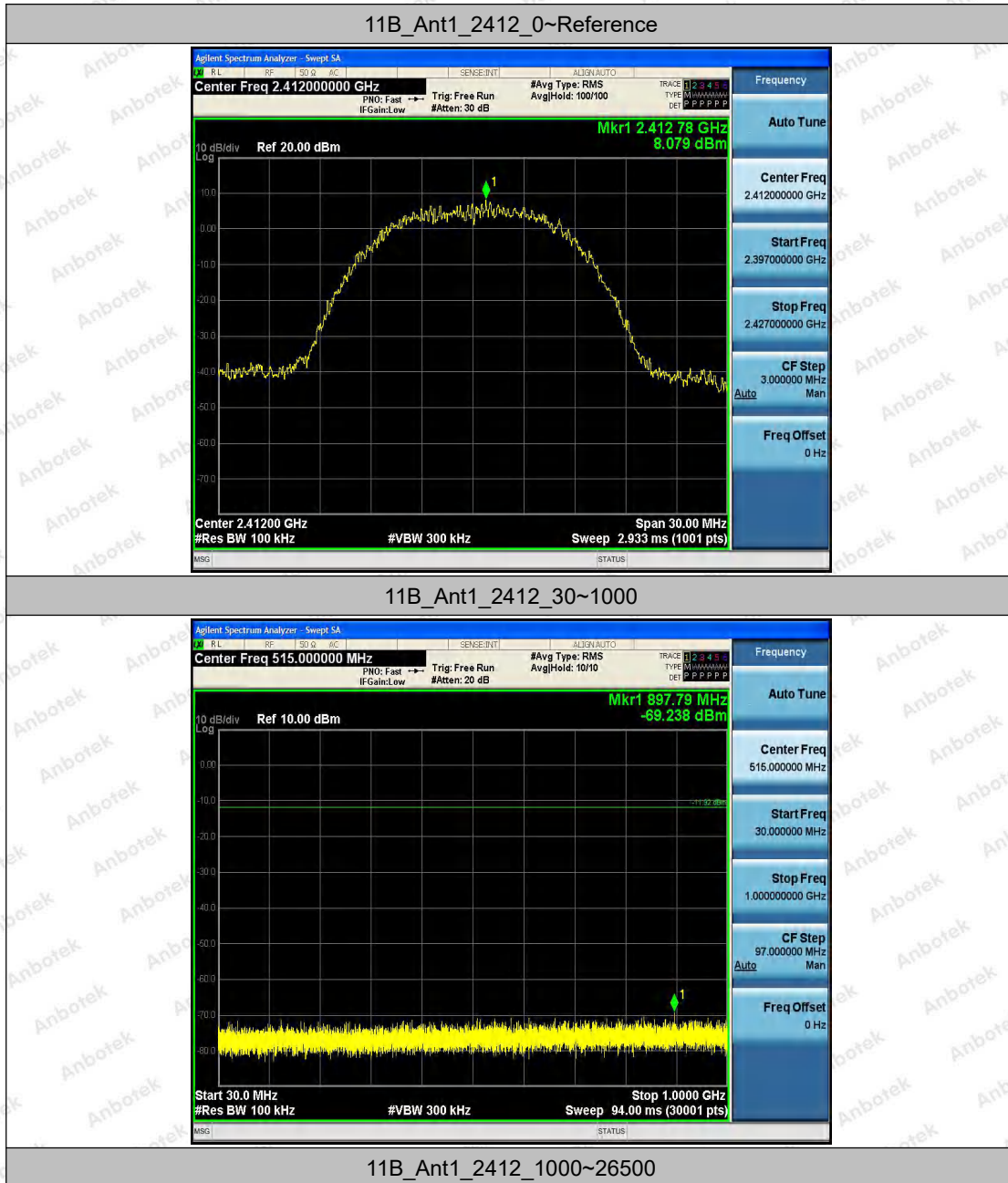
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.08	8.08	---	PASS
			30~1000	8.08	-69.24	≤-11.92	PASS
			1000~26500	8.08	-55.85	≤-11.92	PASS
		2437	Reference	8.16	8.16	---	PASS
			30~1000	8.16	-68.94	≤-11.84	PASS
			1000~26500	8.16	-54.62	≤-11.84	PASS
		2462	Reference	7.32	7.32	---	PASS
			30~1000	7.32	-70.26	≤-12.68	PASS
			1000~26500	7.32	-54.79	≤-12.68	PASS
11G	Ant1	2412	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-70.47	≤-21.86	PASS
			1000~26500	-1.86	-54.55	≤-21.86	PASS
		2437	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-70.47	≤-22.54	PASS
			1000~26500	-2.54	-55.82	≤-22.54	PASS
		2462	Reference	0.22	0.22	---	PASS
			30~1000	0.22	-69.53	≤-19.78	PASS
			1000~26500	0.22	-55.54	≤-19.78	PASS
11N20	Ant1	2412	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-69.51	≤-20.17	PASS
			1000~26500	-0.17	-55.21	≤-20.17	PASS
		2437	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-69.64	≤-19.49	PASS
			1000~26500	0.51	-55.23	≤-19.49	PASS
		2462	Reference	-0.11	-0.11	---	PASS
			30~1000	-0.11	-70.31	≤-20.11	PASS
			1000~26500	-0.11	-55.51	≤-20.11	PASS

Test Graphs

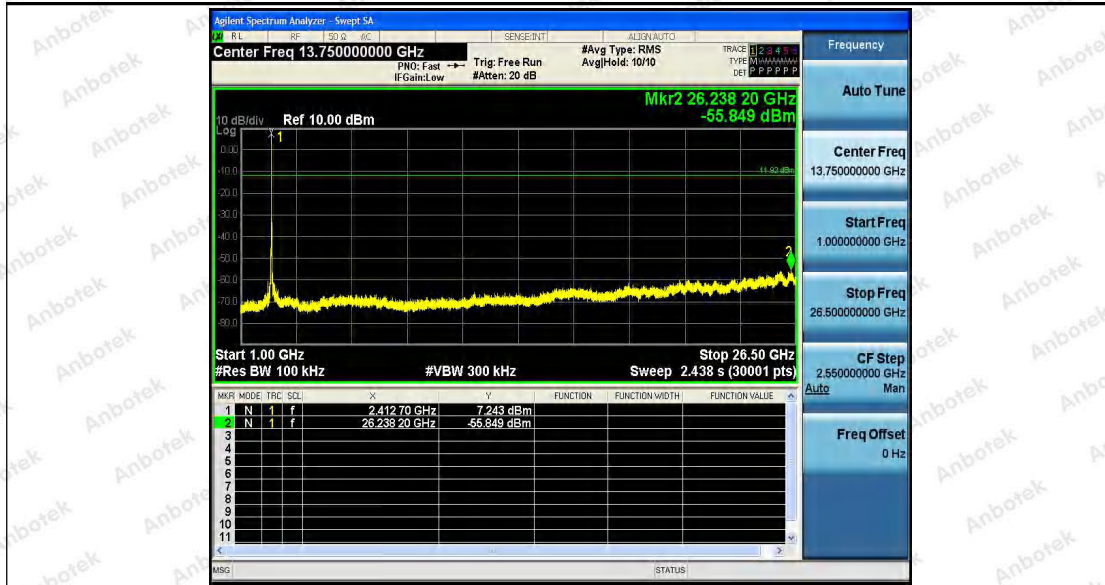


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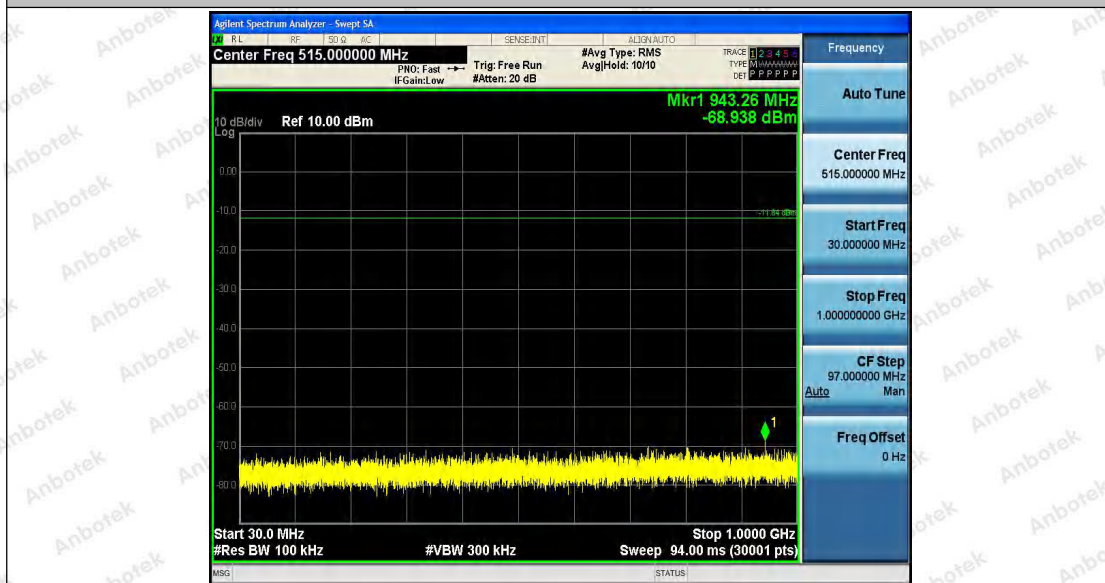
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

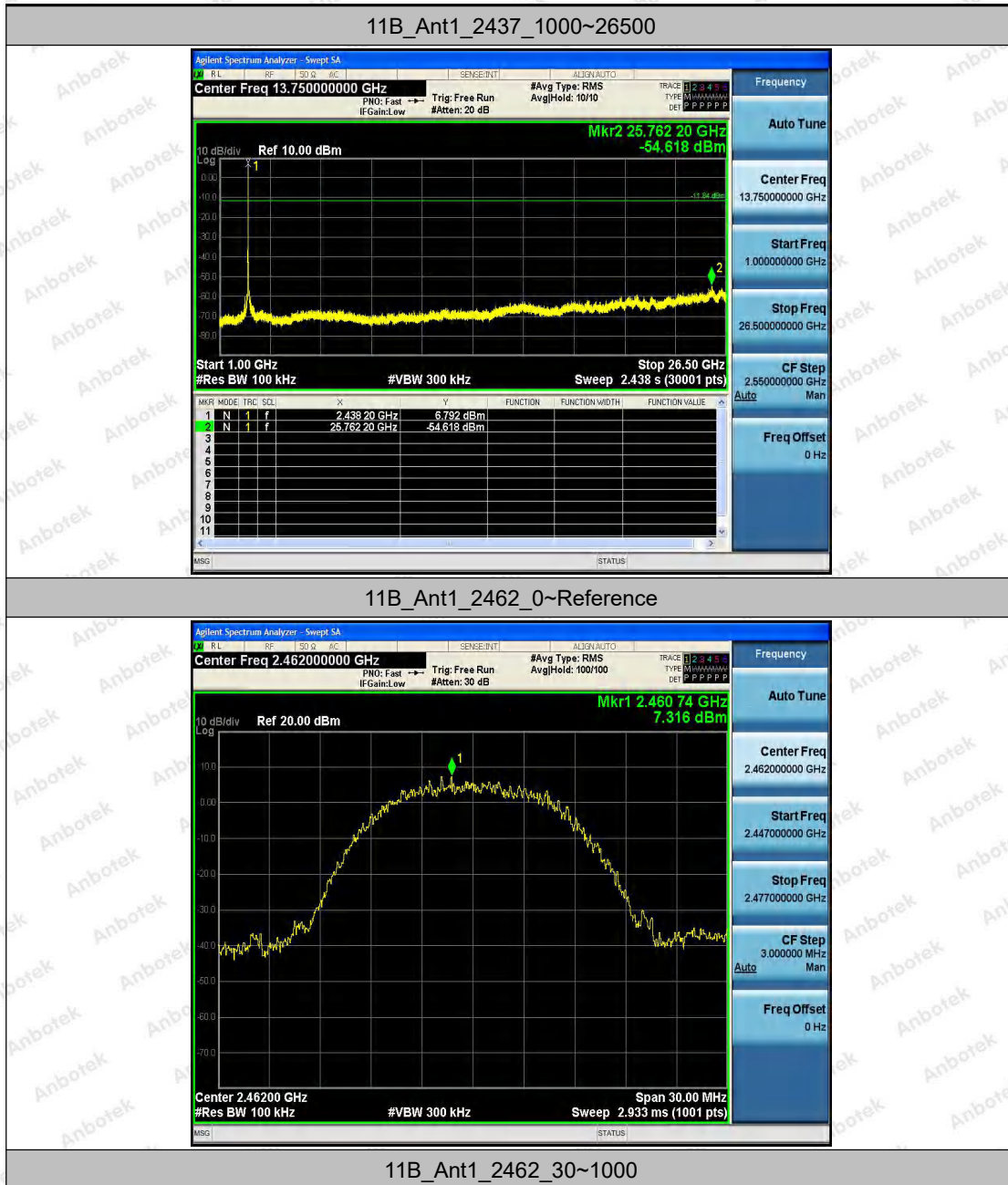


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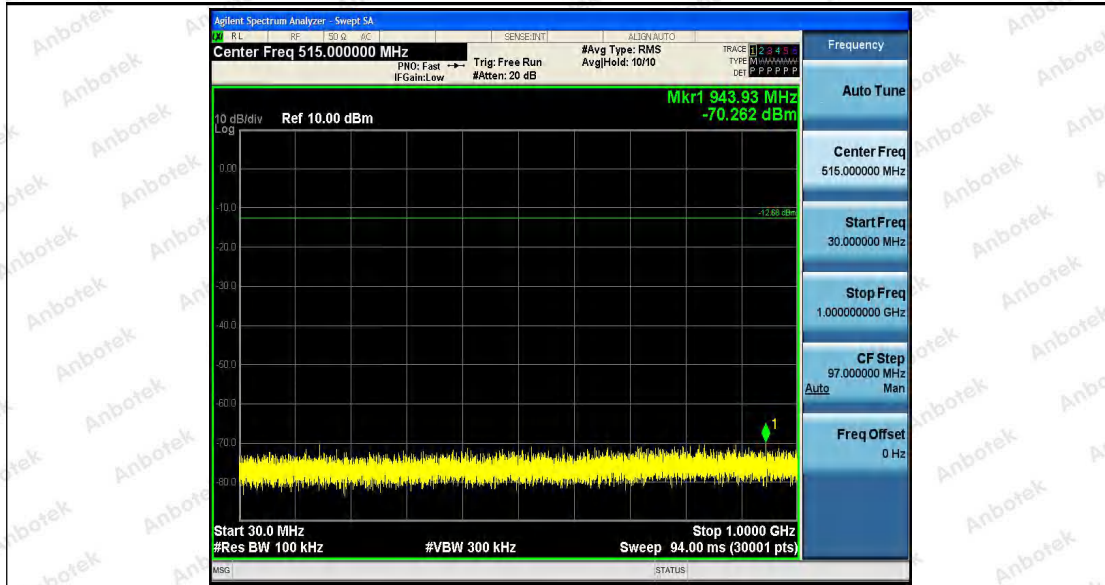


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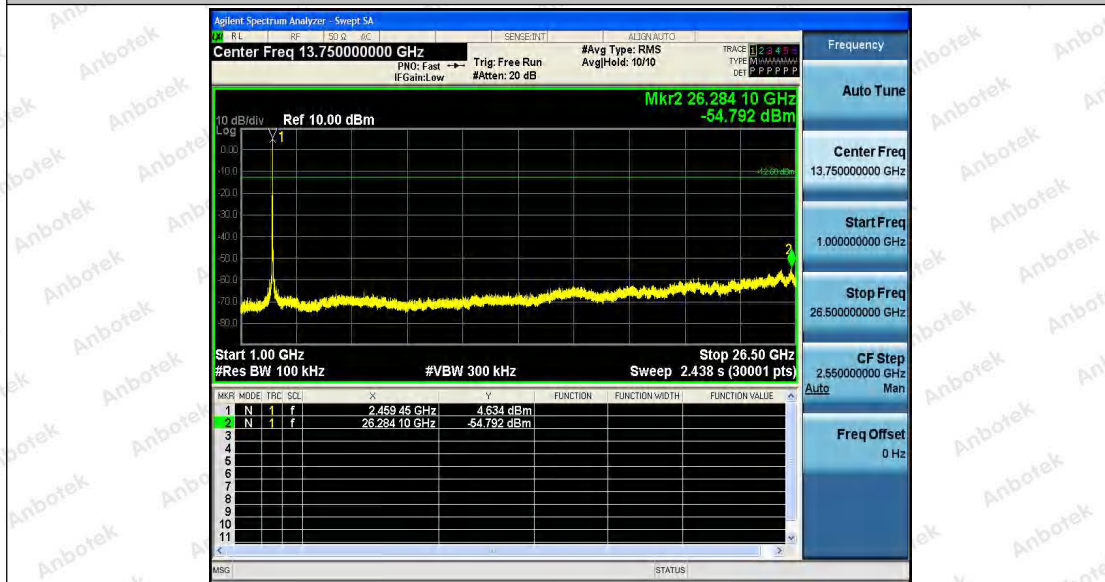
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11B_Ant1_2462_1000~26500



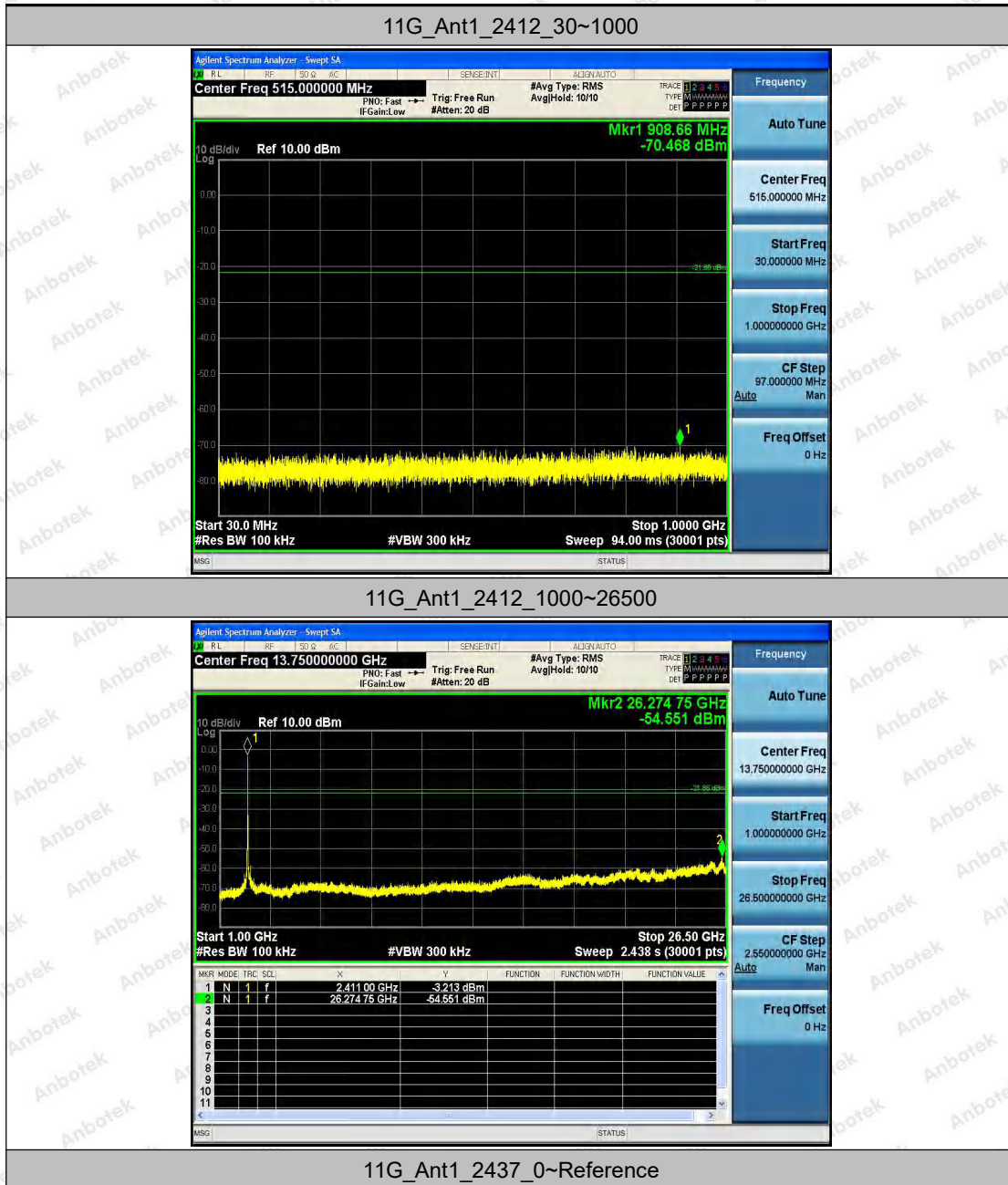
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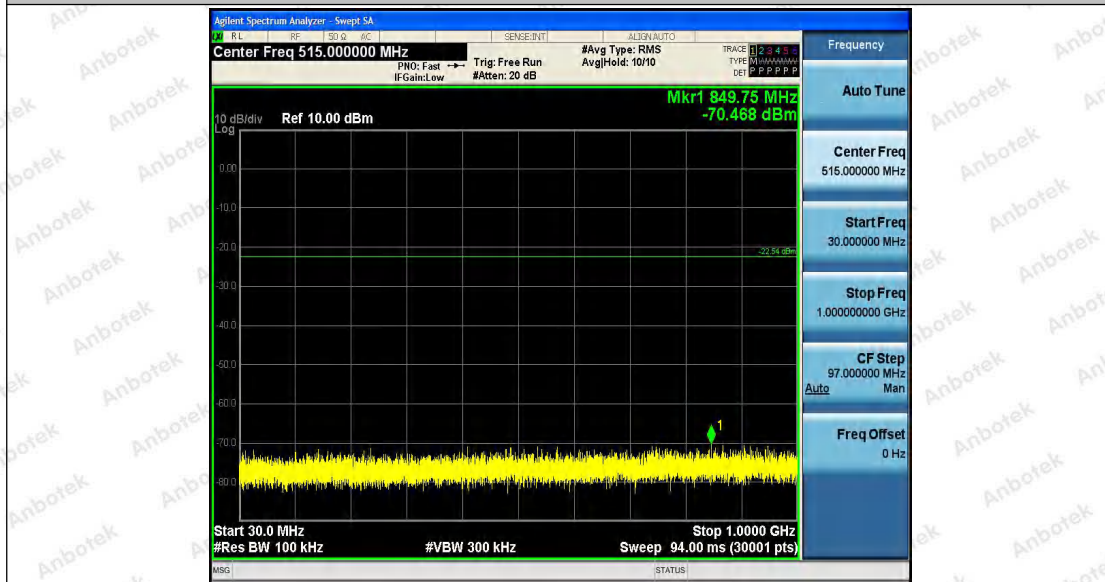
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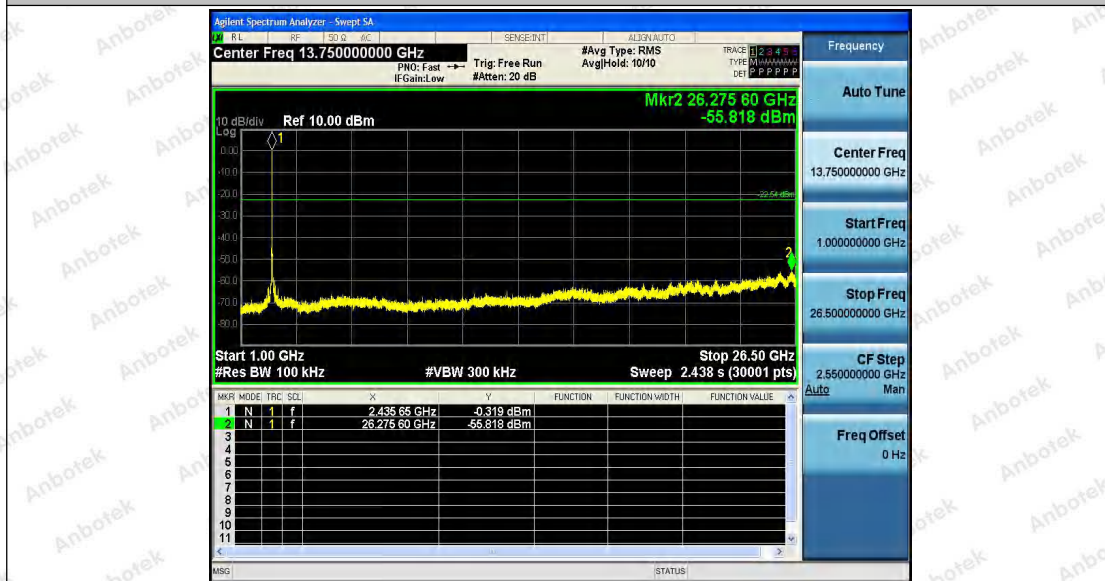
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

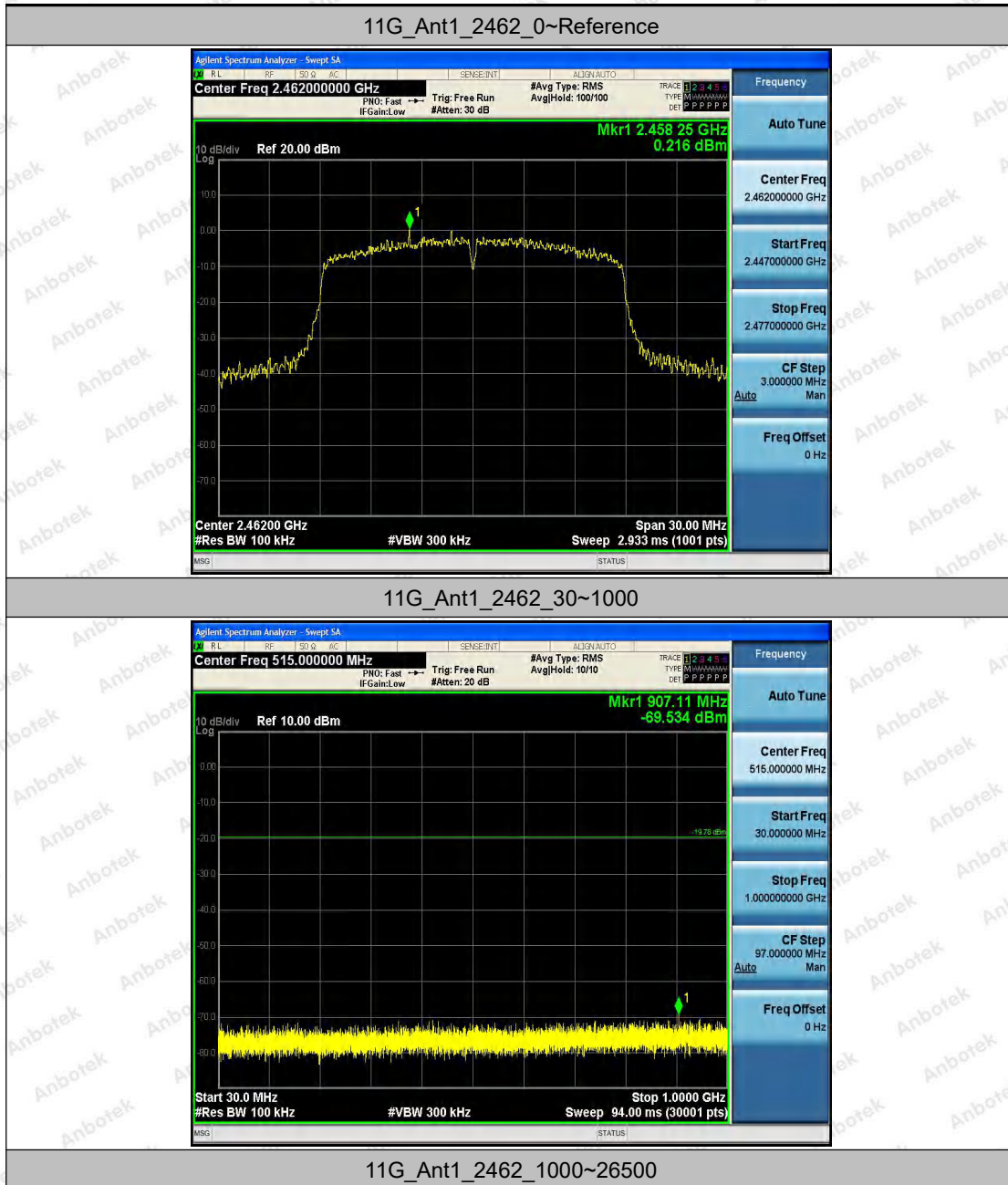


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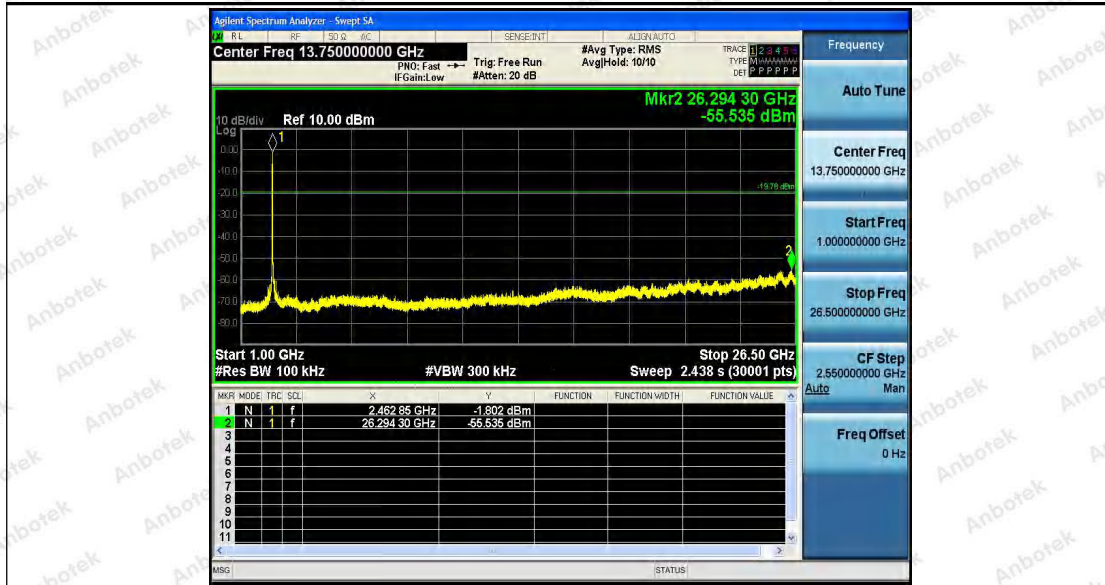


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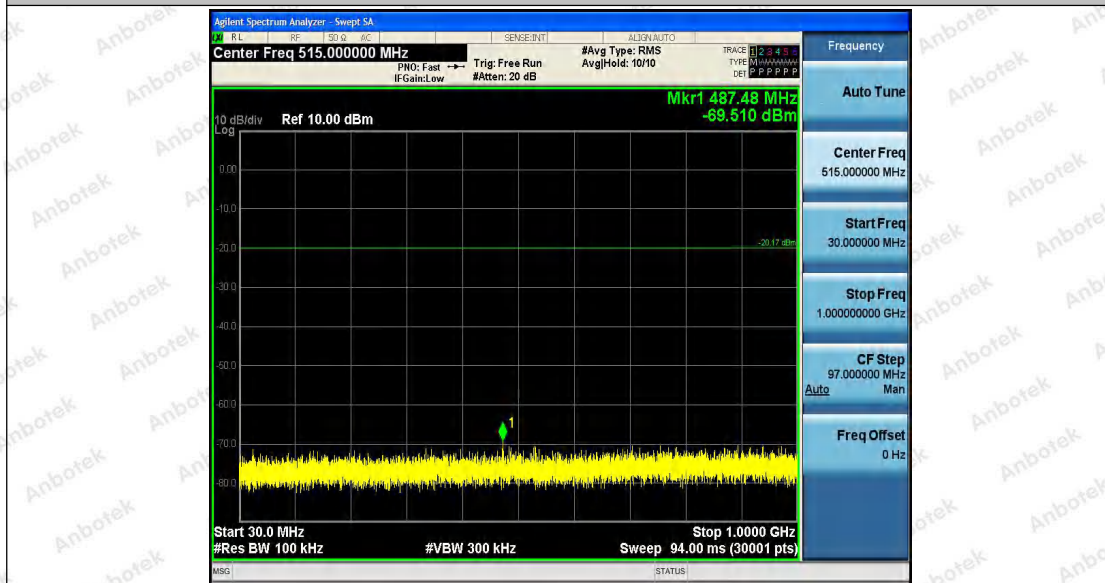
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

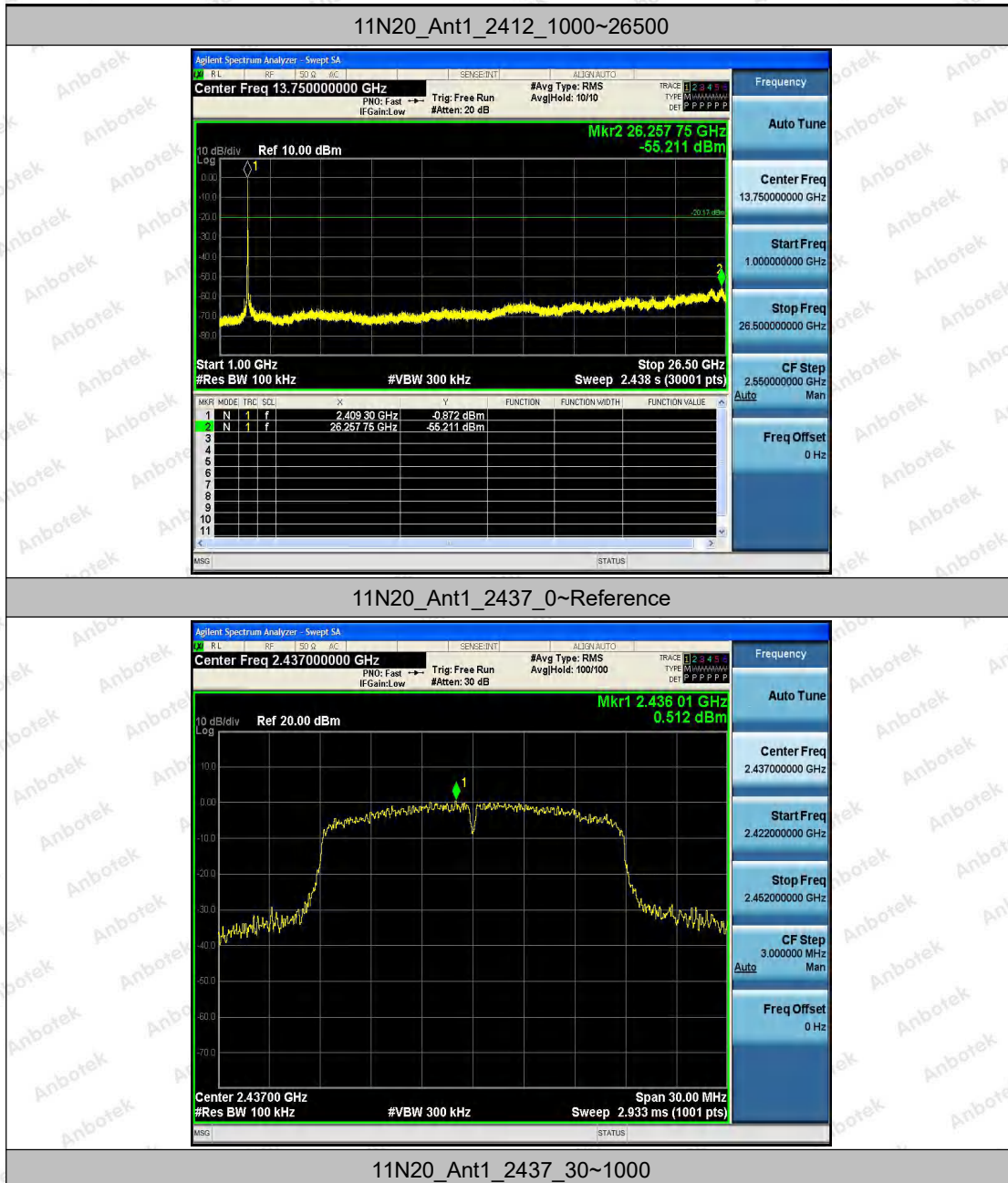


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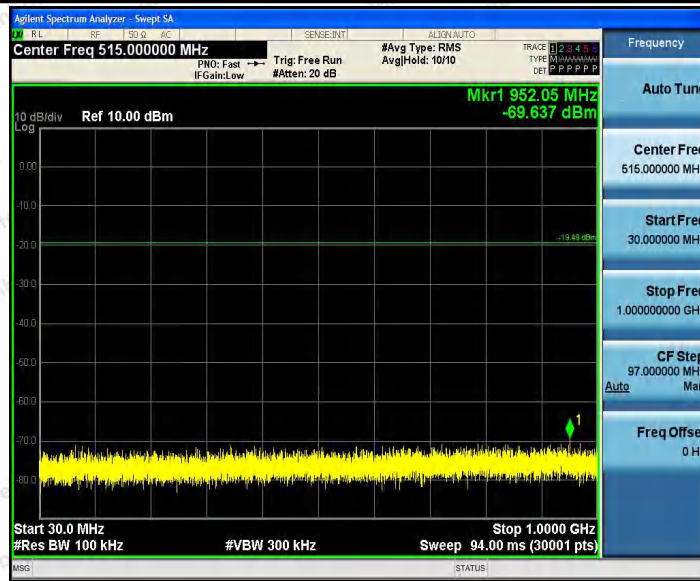


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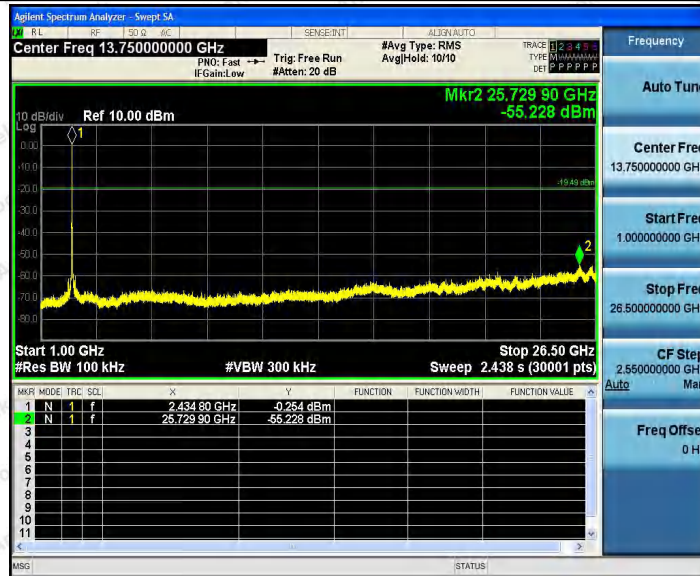
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference

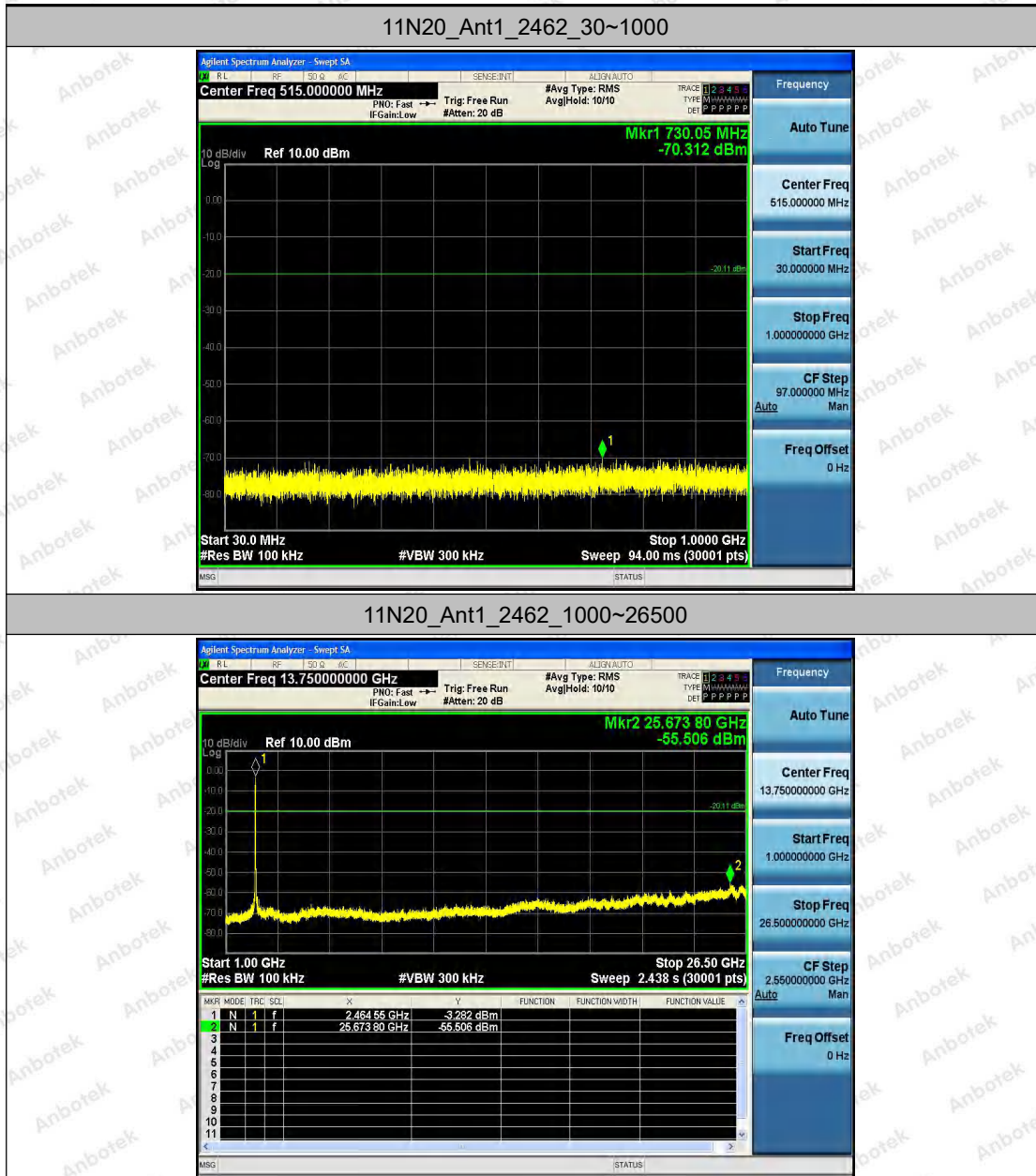


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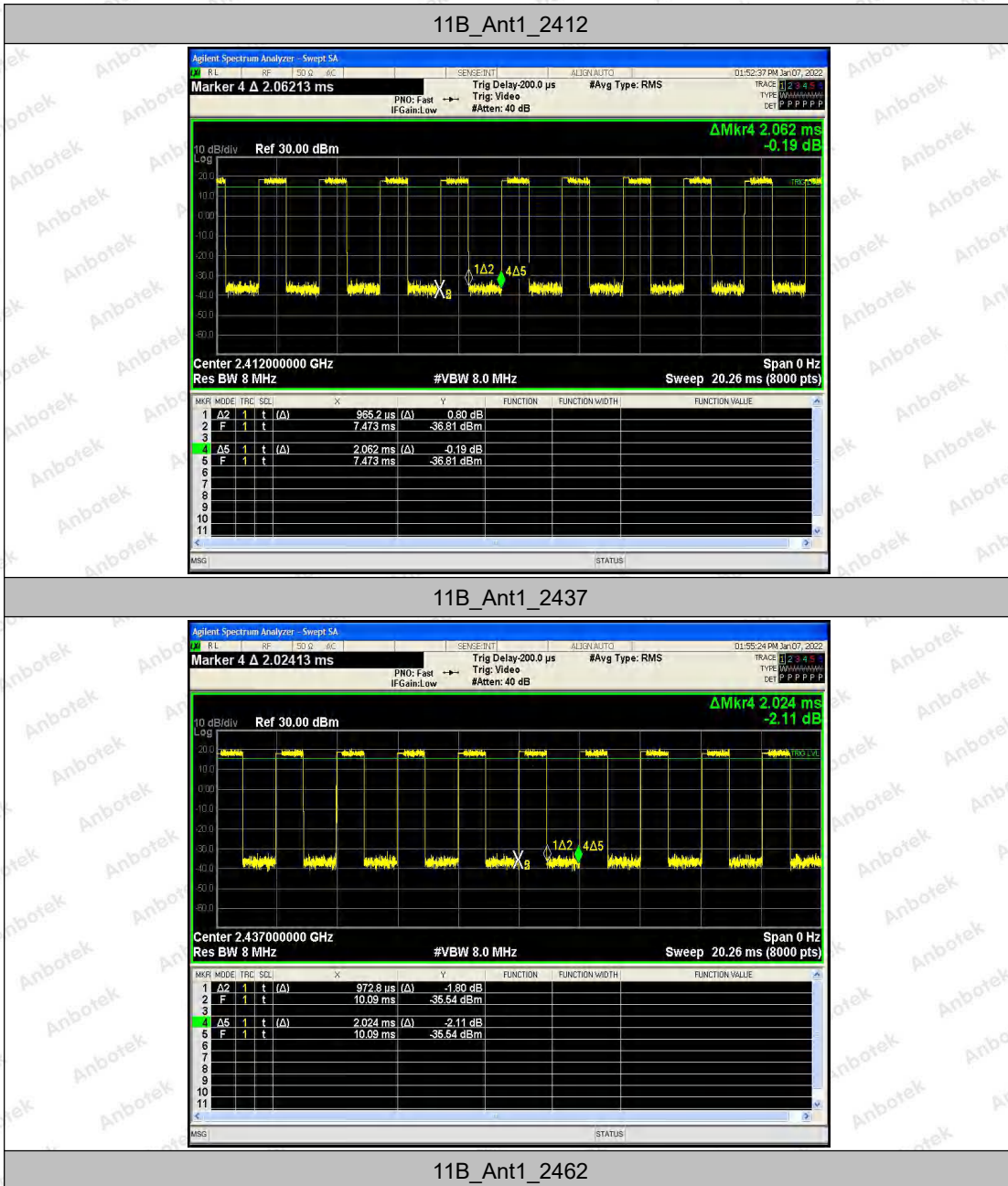
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	0.9652	2.062	46.81	---	PASS
		2437	0.9728	2.024	48.06	---	PASS
		2462	0.9551	2.009	47.54	---	PASS
11G	Ant1	2412	11.13	11.14	99.91	---	PASS
		2437	11.12	11.13	99.91	---	PASS
		2462	11.13	11.13	100.00	---	PASS
11N20	Ant1	2412	11.12	11.13	99.91	---	PASS
		2437	11.13	11.13	100.00	---	PASS
		2462	11.12	11.13	99.91	---	PASS

Test Graphs

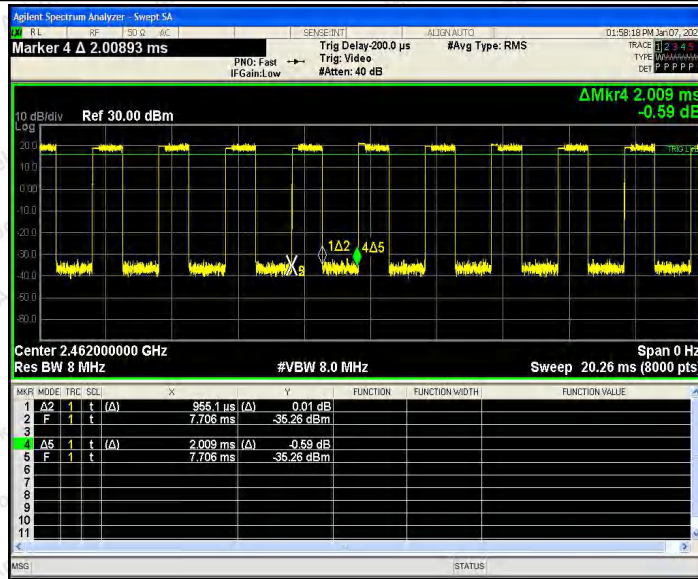


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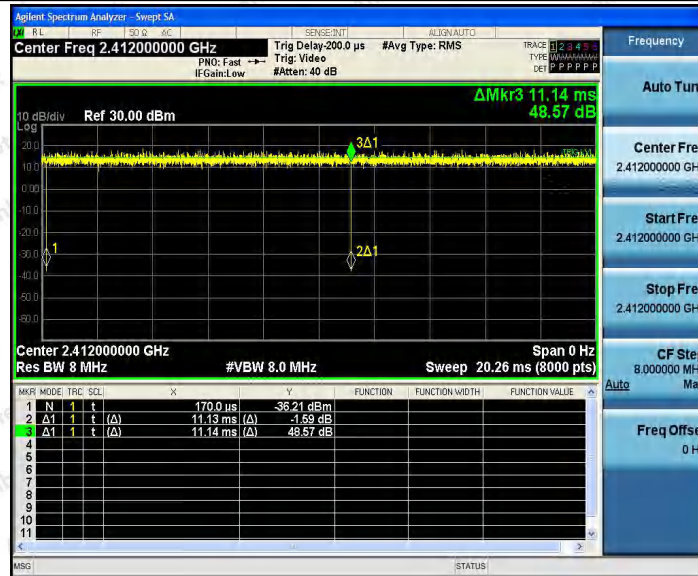
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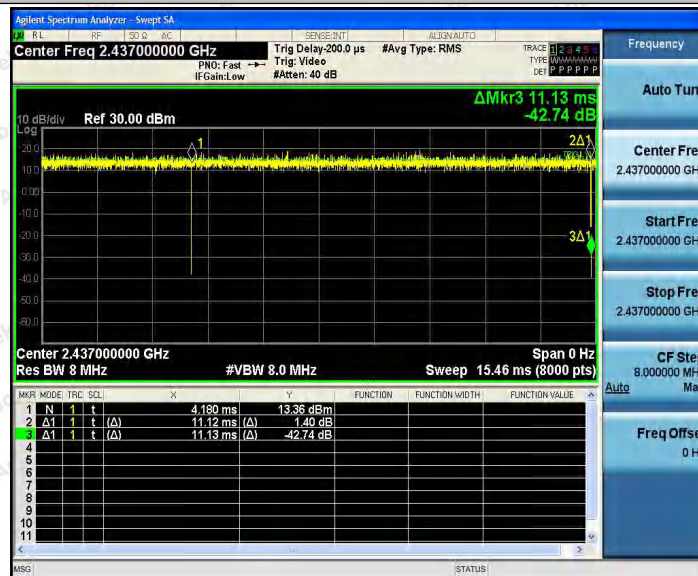
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11G_Ant1_2412



11G_Ant1_2437



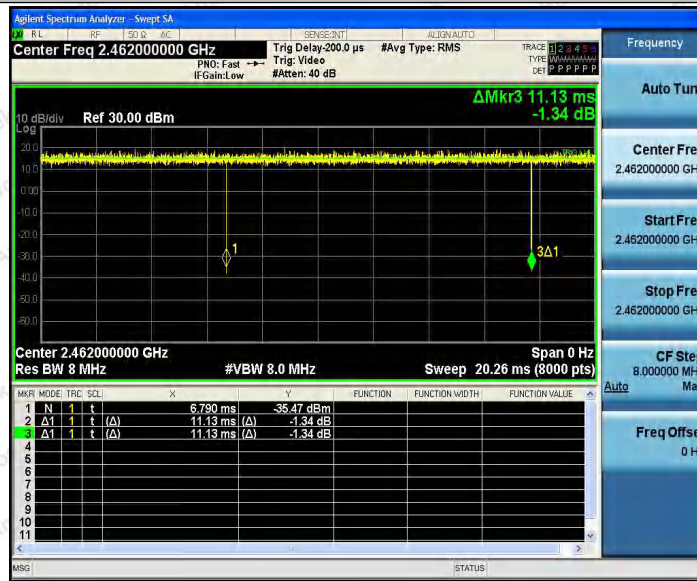
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

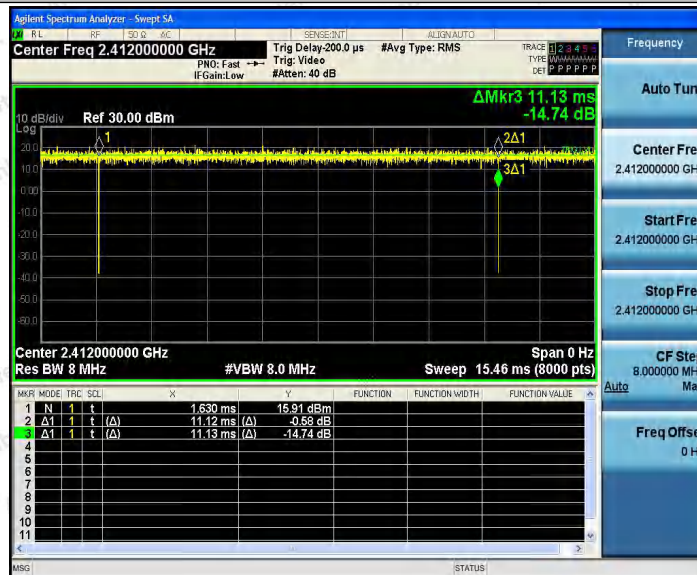
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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11G_Ant1_2462



11N20_Ant1_2412



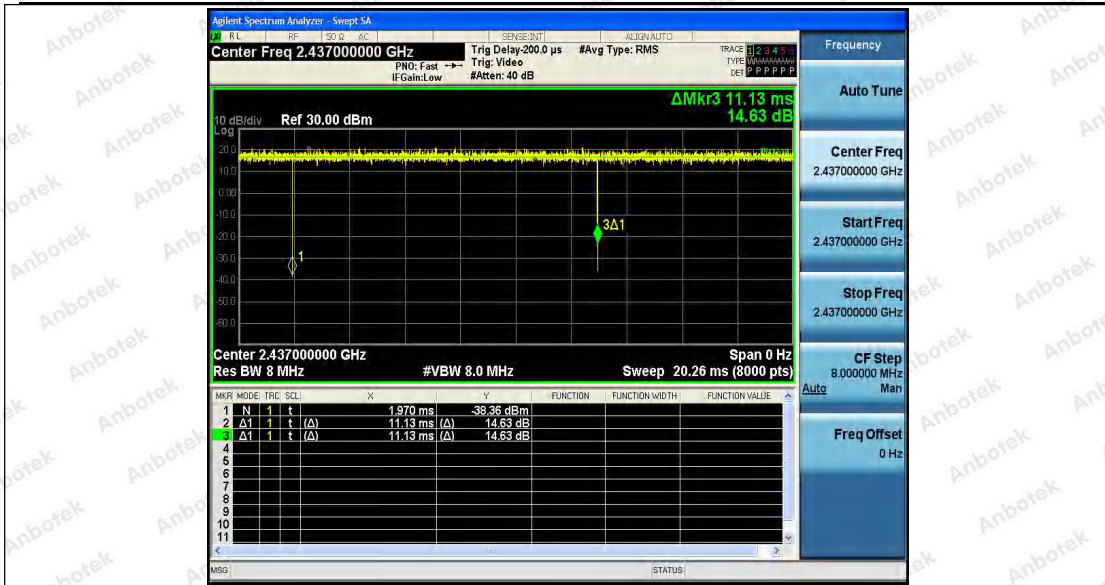
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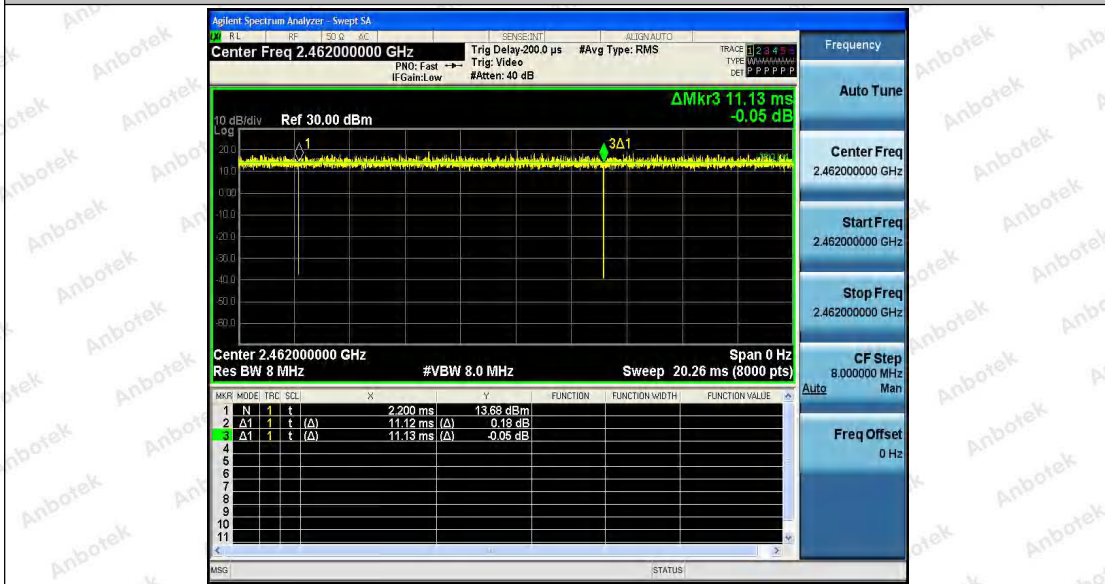
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