

Appendix Test Data

Report No.:	18220WC20070601	Test Sample No.:	1-2-2
Start Test Date:	2022.4.8	Finish Test Date:	2022.4.11
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
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	9.680	2407.400	2417.080	≥0.5	PASS
		2437	9.120	2432.920	2442.040	≥0.5	PASS
		2462	9.600	2457.440	2467.040	≥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	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	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

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

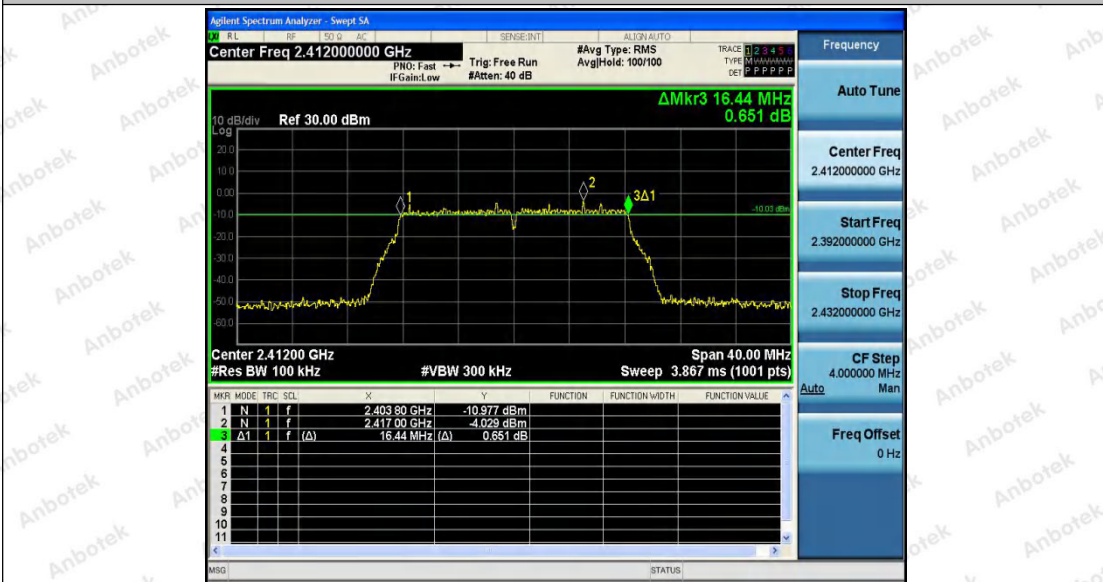
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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



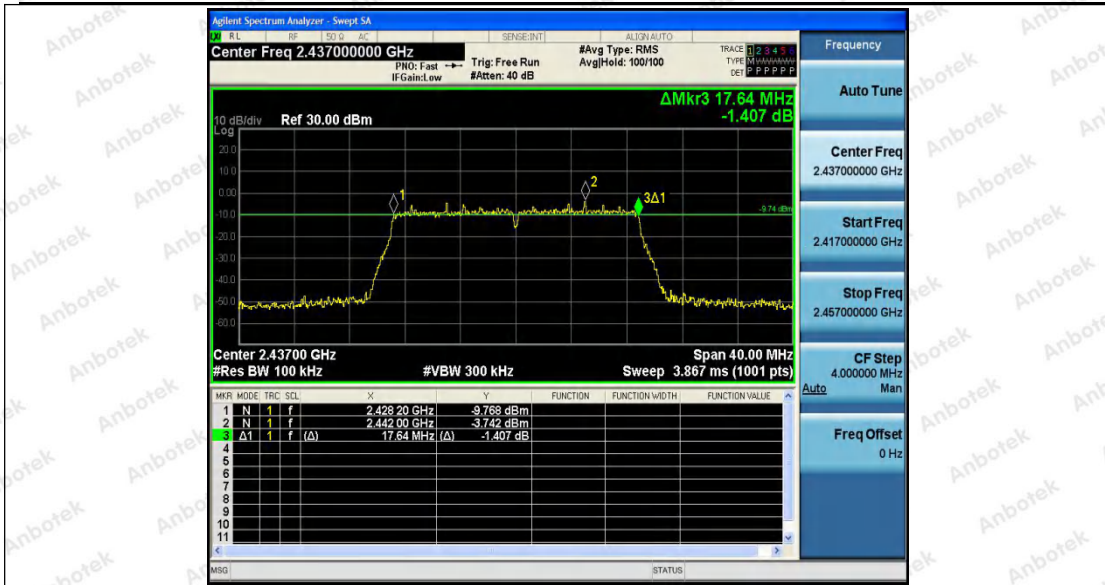
11N20_Ant1_2437

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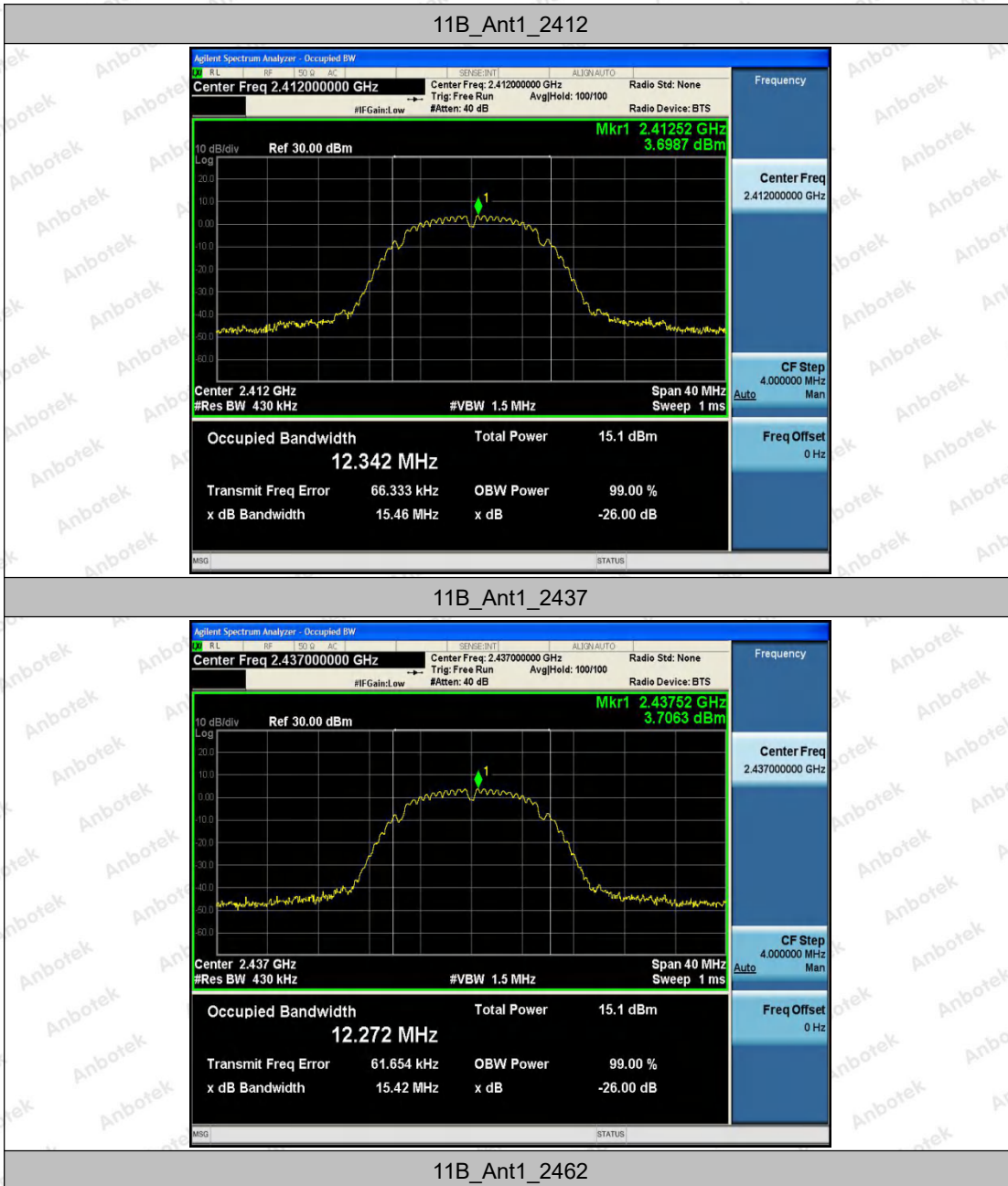
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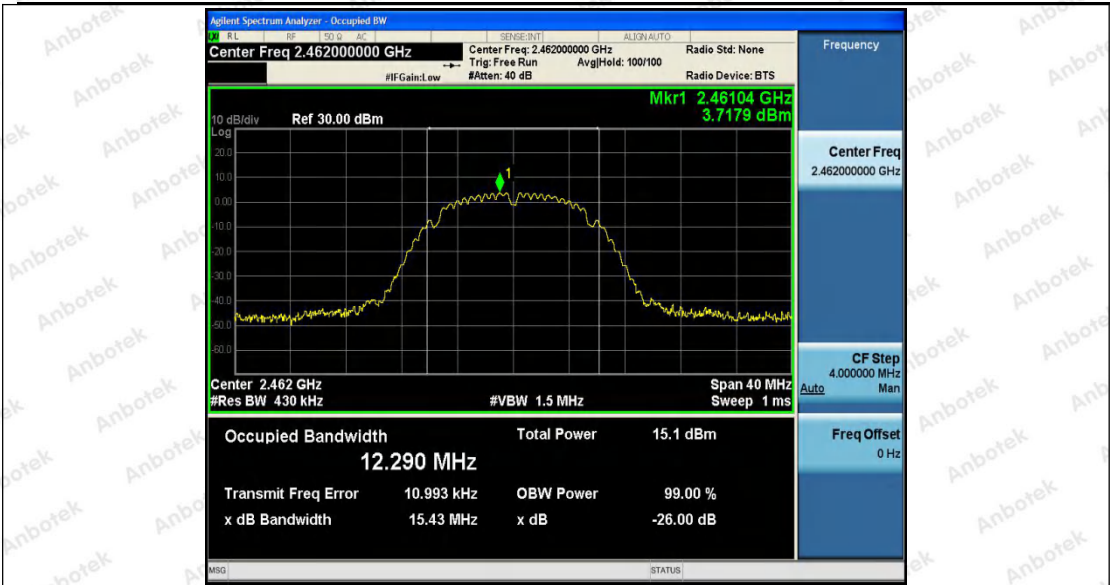
Appendix B: Occupied Channel Bandwidth

Test Result

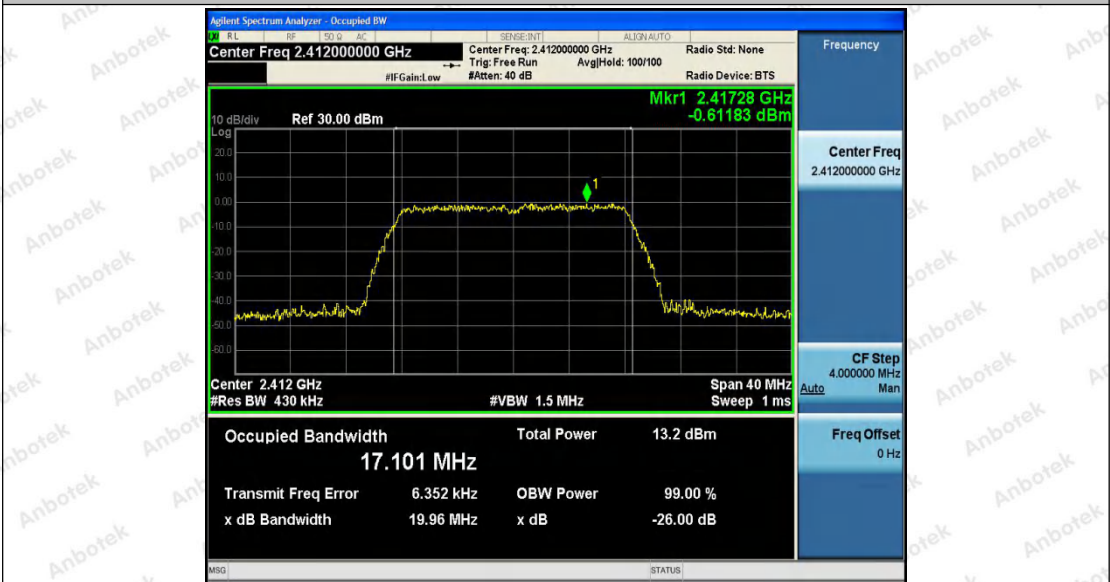
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11B	Ant1	2412	12.342	2405.895	2418.237	---	PASS
		2437	12.272	2430.926	2443.198	---	PASS
		2462	12.290	2455.866	2468.156	---	PASS
11G	Ant1	2412	17.101	2403.456	2420.557	---	PASS
		2437	17.020	2428.534	2445.554	---	PASS
		2462	17.107	2453.414	2470.521	---	PASS
11N20	Ant1	2412	17.974	2403.079	2421.053	---	PASS
		2437	17.957	2428.061	2446.018	---	PASS
		2462	17.965	2453.019	2470.984	---	PASS

Test Graphs

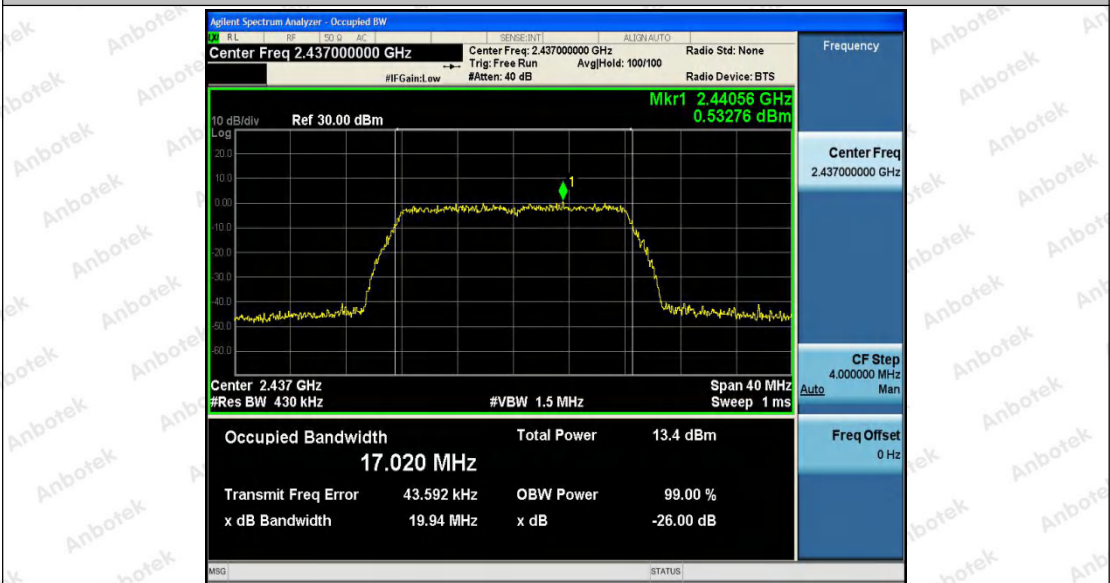




11G_Ant1_2412



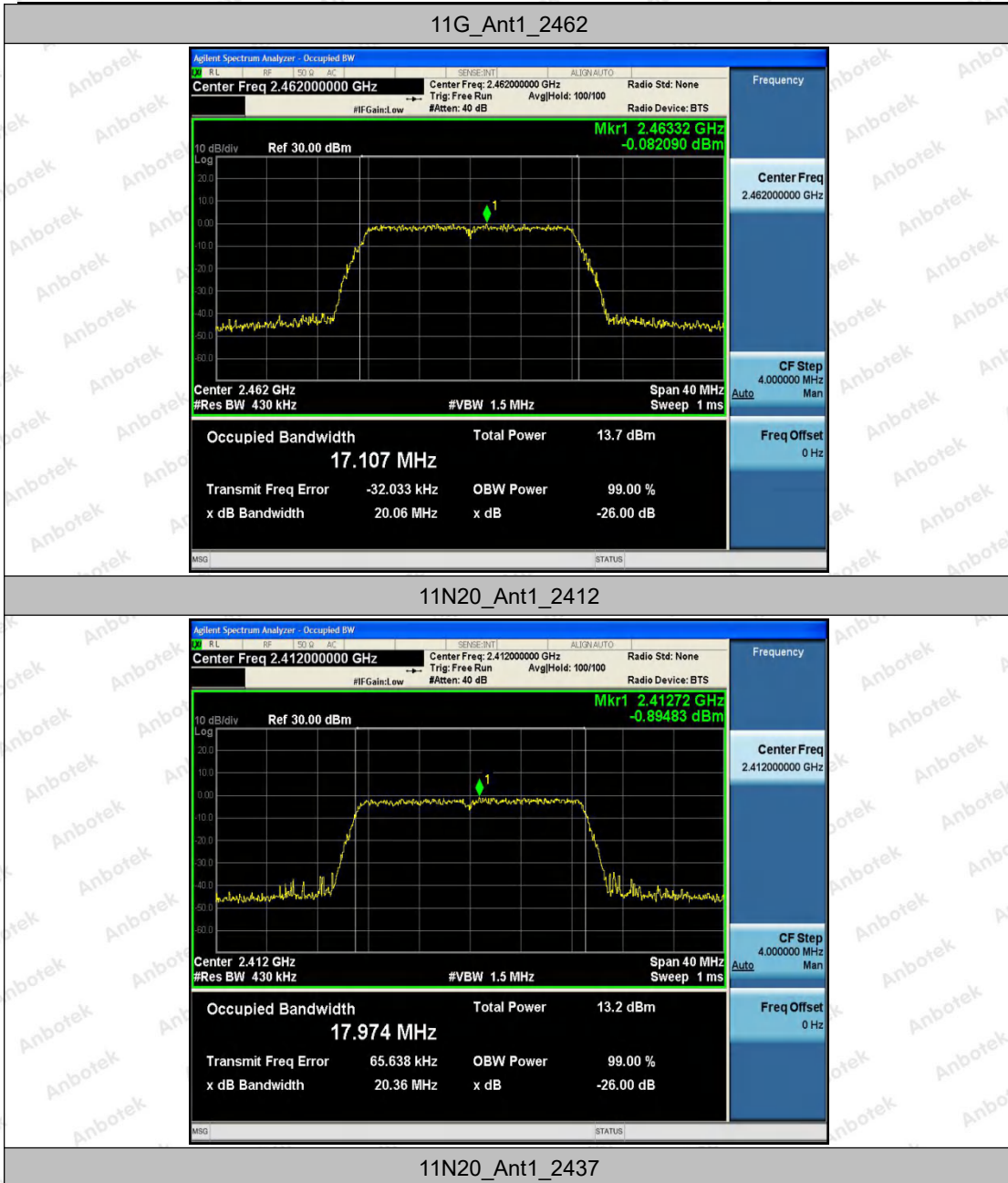
11G_Ant1_2437



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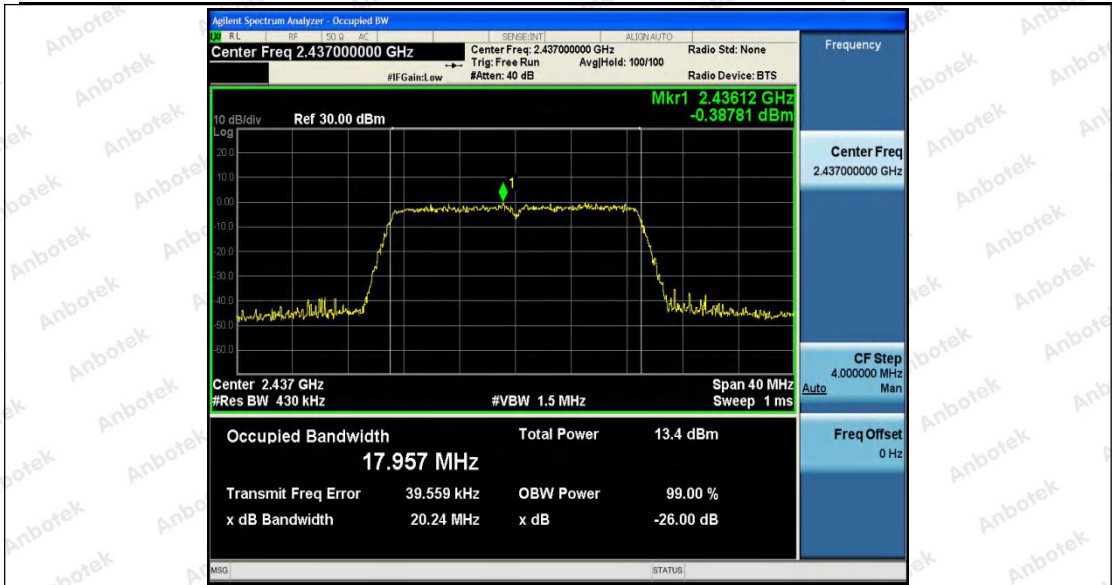


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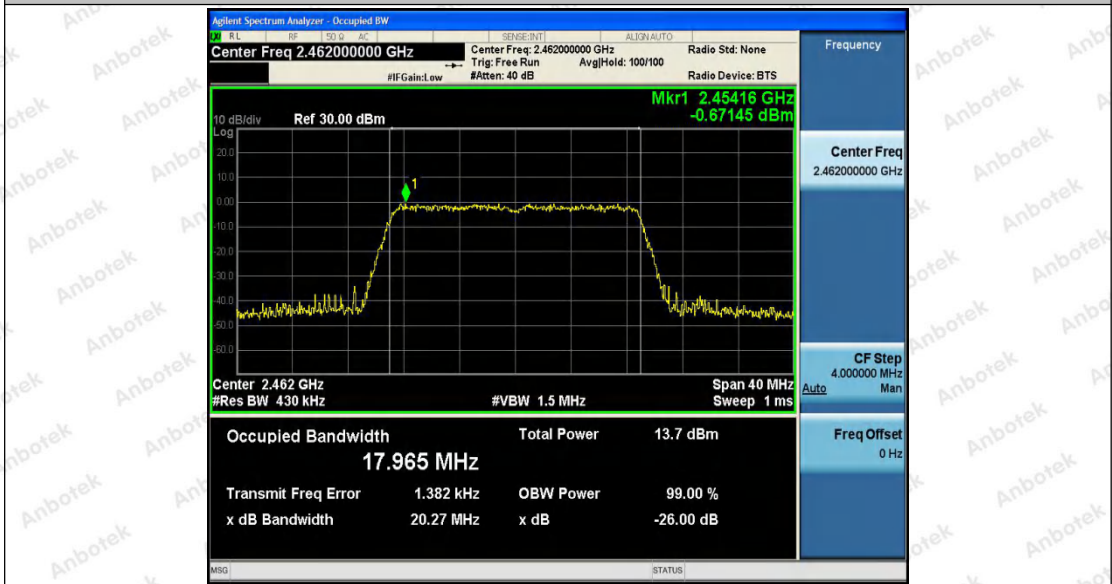
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11N20_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.37	≤30	PASS
		2437	15.09	≤30	PASS
		2462	15.33	≤30	PASS
11G	Ant1	2412	14.39	≤30	PASS
		2437	14.53	≤30	PASS
		2462	14.83	≤30	PASS
11N20	Ant1	2412	14.39	≤30	PASS
		2437	14.55	≤30	PASS
		2462	14.80	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.56	≤8	PASS
		2437	-10.66	≤8	PASS
		2462	-10.41	≤8	PASS
11G	Ant1	2412	-18.06	≤8	PASS
		2437	-17.67	≤8	PASS
		2462	-17.23	≤8	PASS
11N20	Ant1	2412	-17.81	≤8	PASS
		2437	-16.79	≤8	PASS
		2462	-17.12	≤8	PASS

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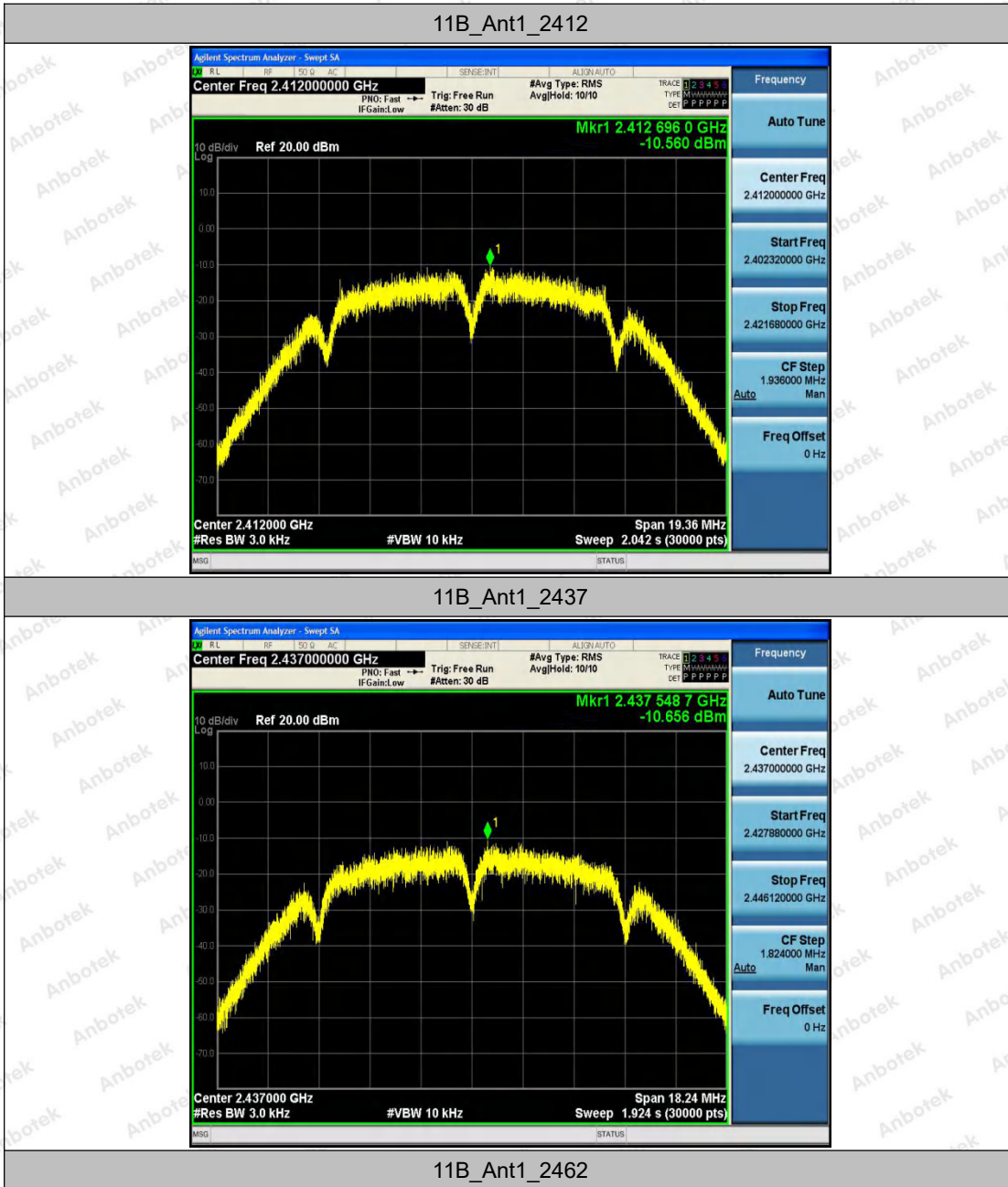
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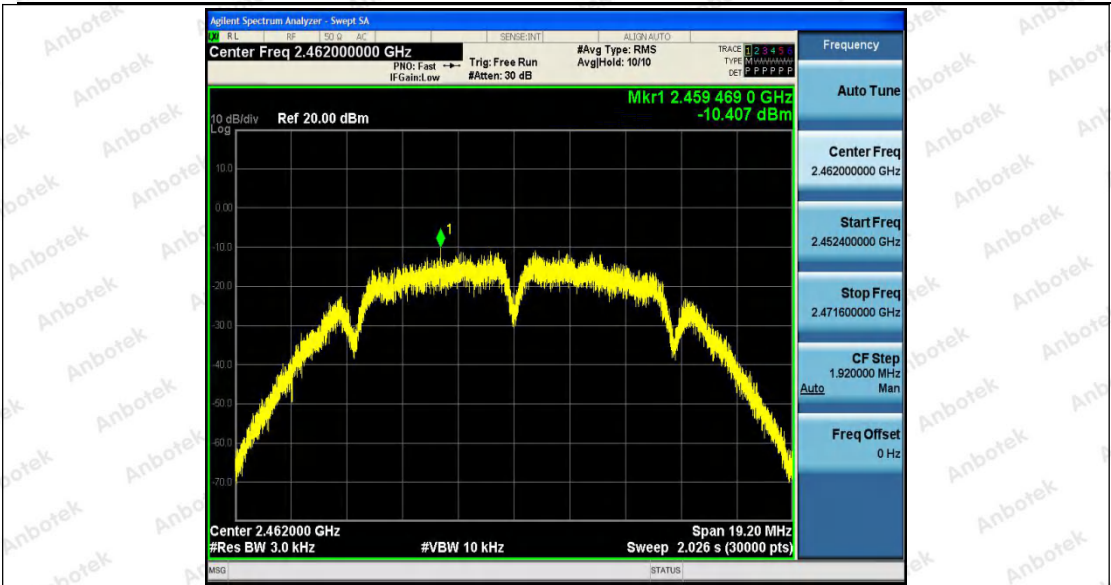
Test Graphs



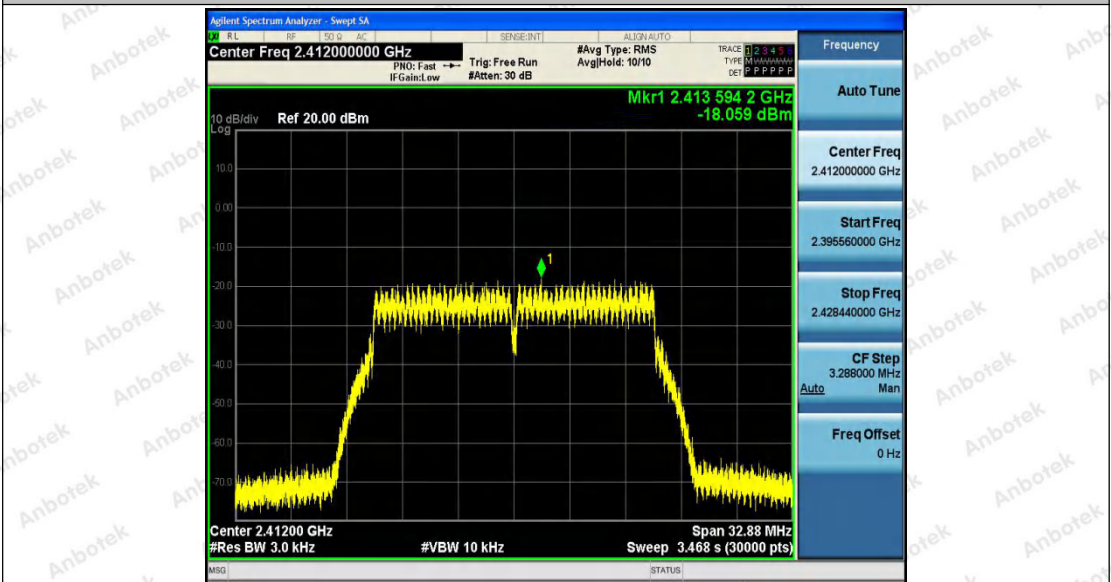
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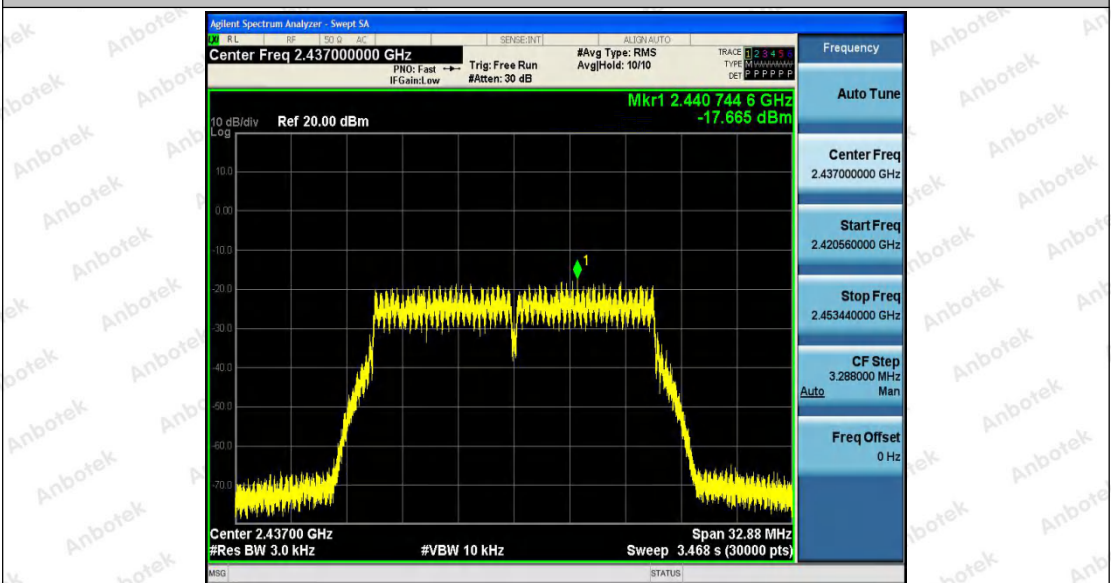
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11G_Ant1_2412



11G_Ant1_2437

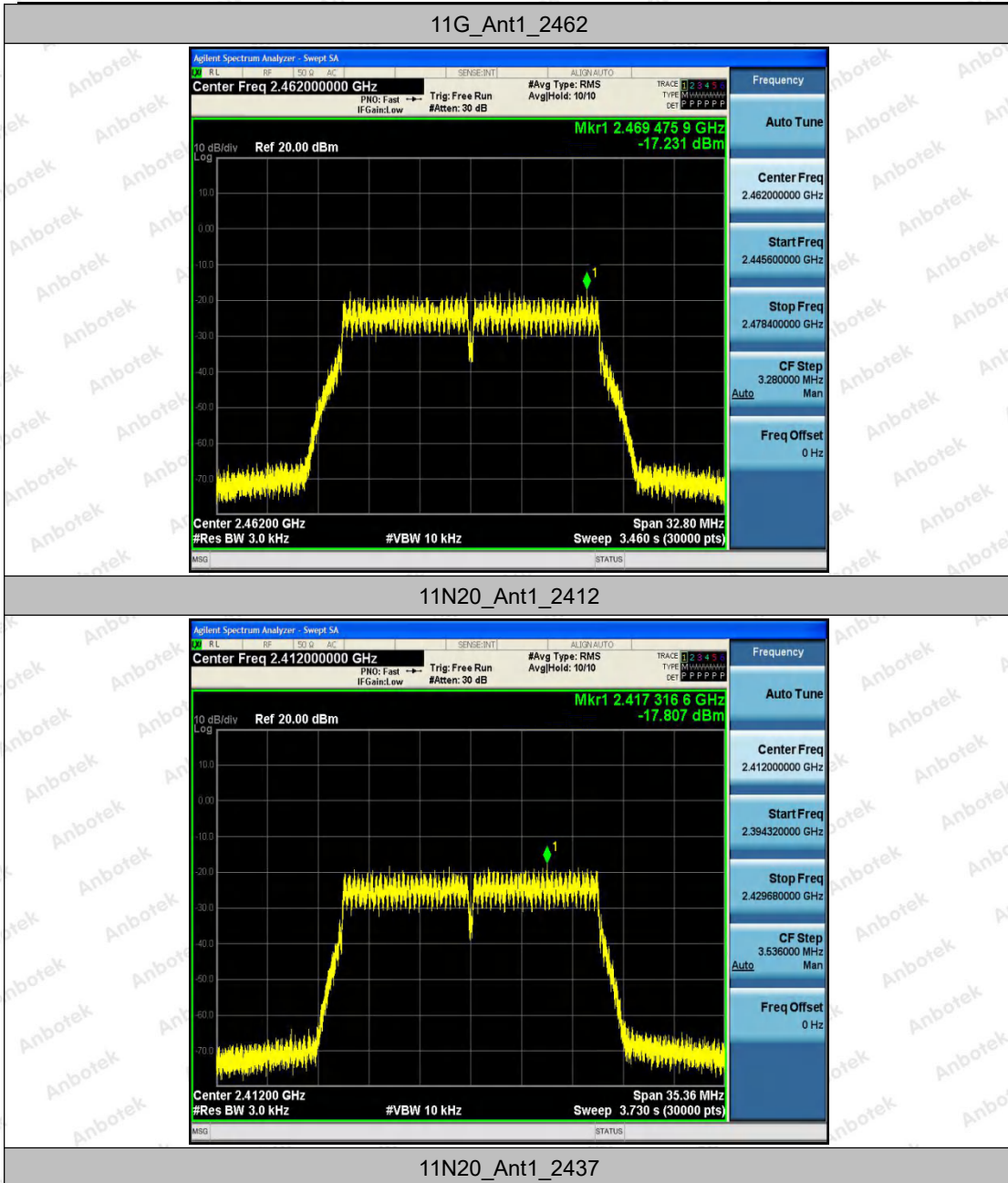


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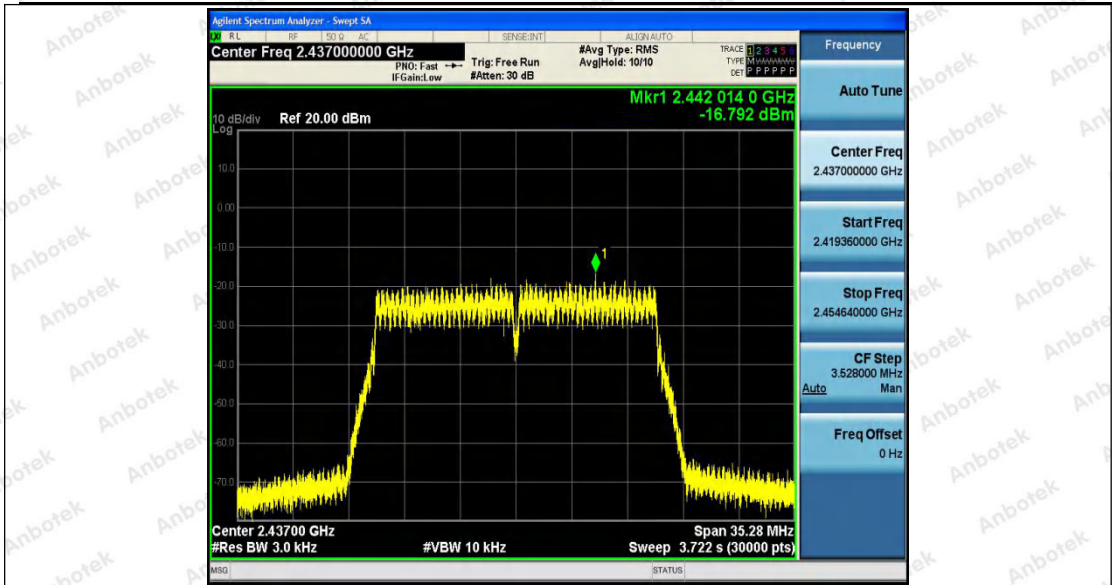
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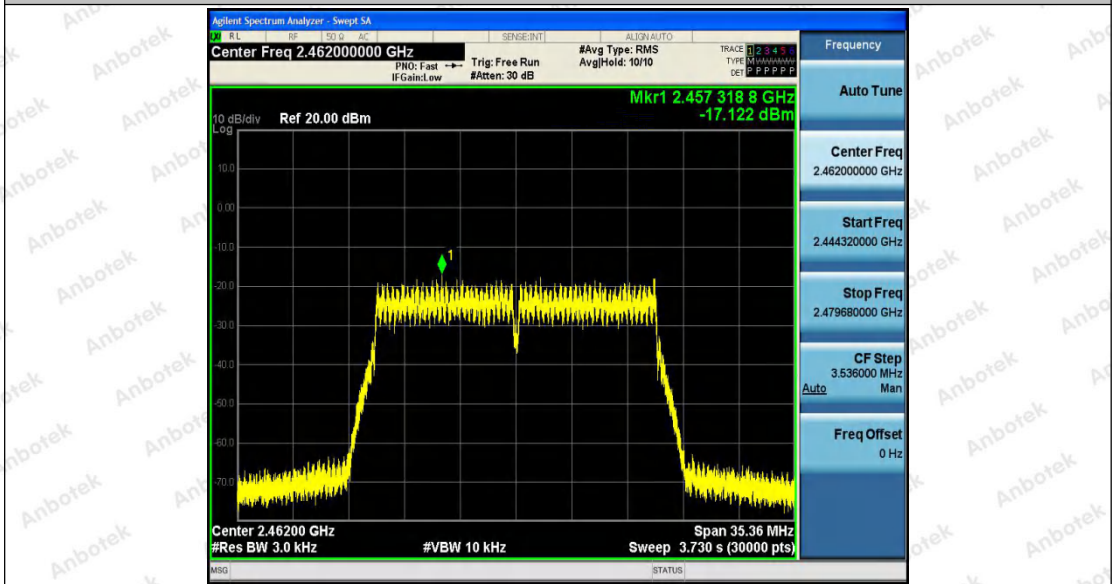
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11N20_Ant1_2462



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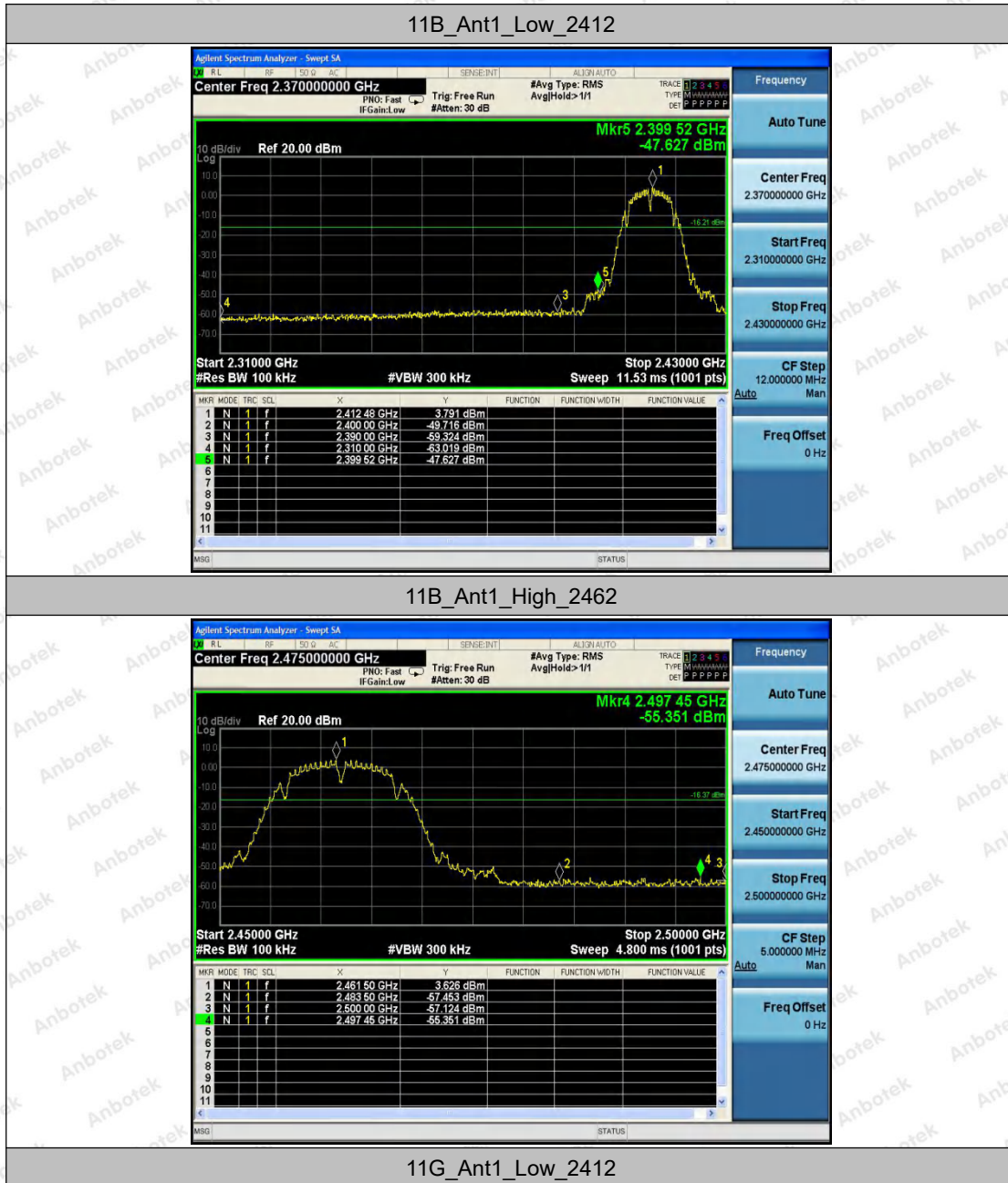
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.79	-47.63	≤-16.21	PASS
		High	2462	3.63	-55.35	≤-16.37	PASS
11G	Ant1	Low	2412	-4.14	-49.52	≤-24.14	PASS
		High	2462	-3.30	-51.73	≤-23.3	PASS
11N20	Ant1	Low	2412	-3.58	-47.55	≤-23.58	PASS
		High	2462	-3.39	-52.66	≤-23.39	PASS

Test Graphs



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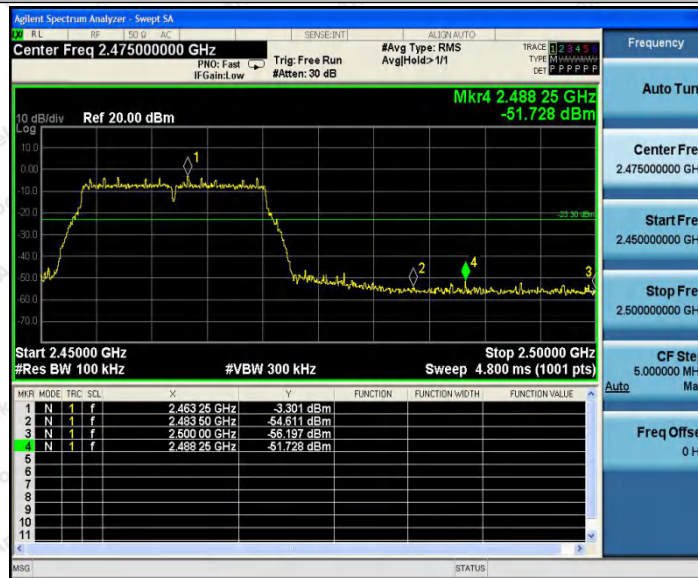
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11G_Ant1_High_2462



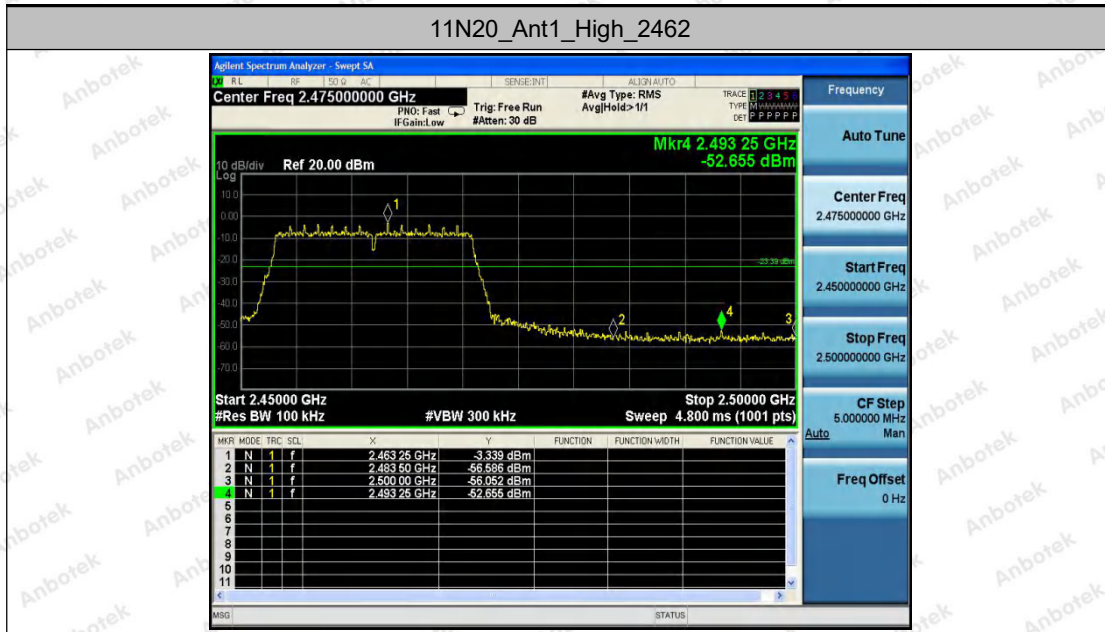
11N20_Ant1_Low_2412



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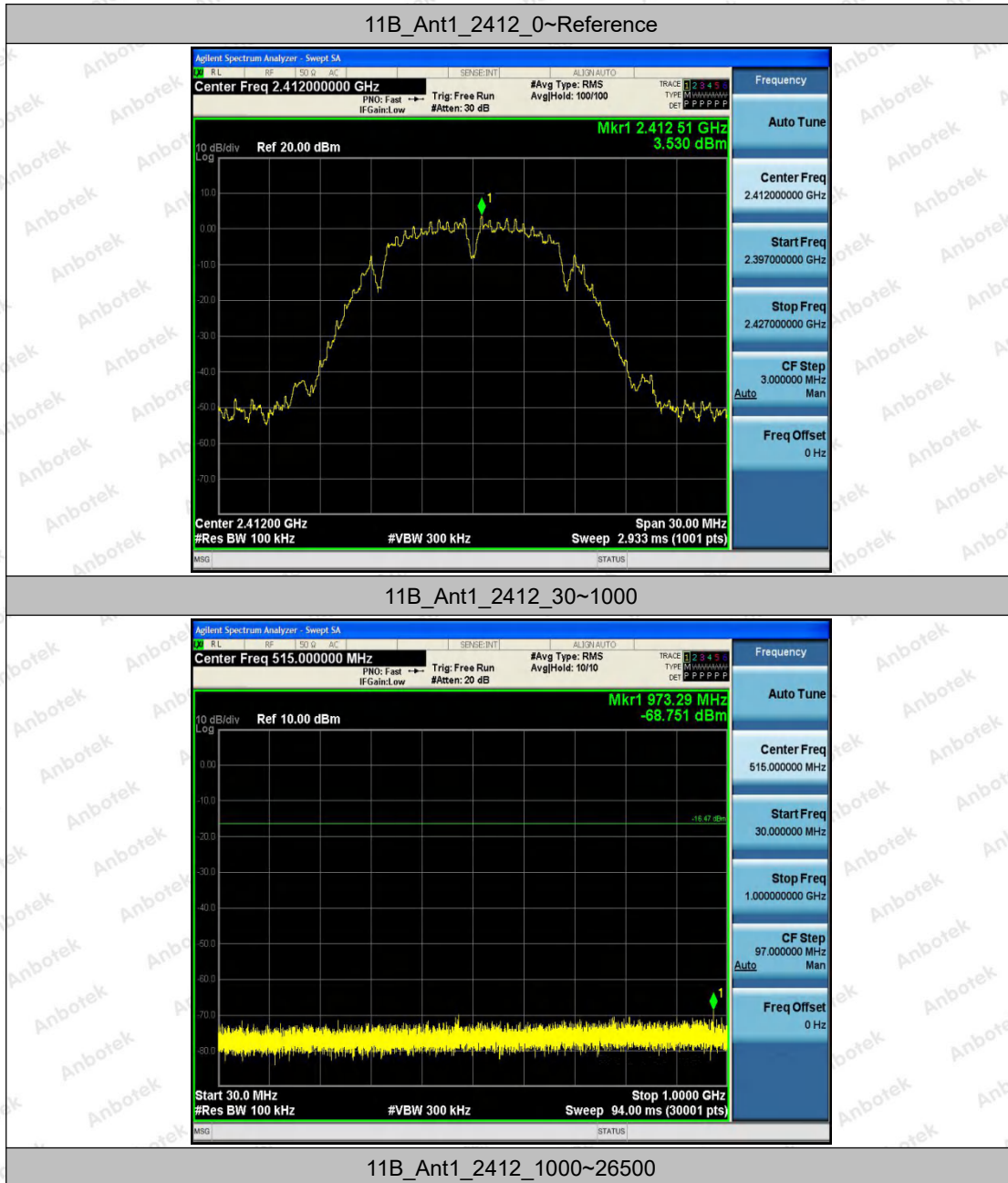
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-68.75	≤-16.47	PASS
			1000~26500	3.53	-54.49	≤-16.47	PASS
		2437	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-69.8	≤-16.42	PASS
			1000~26500	3.58	-55.45	≤-16.42	PASS
		2462	Reference	3.18	3.18	---	PASS
			30~1000	3.18	-70.26	≤-16.82	PASS
			1000~26500	3.18	-55.78	≤-16.82	PASS
11G	Ant1	2412	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-70.44	≤-24.38	PASS
			1000~26500	-4.38	-55.5	≤-24.38	PASS
		2437	Reference	-4.00	-4.00	---	PASS
			30~1000	-4.00	-70.3	≤-24	PASS
			1000~26500	-4.00	-54.97	≤-24	PASS
		2462	Reference	-3.86	-3.86	---	PASS
			30~1000	-3.86	-70.08	≤-23.86	PASS
			1000~26500	-3.86	-54.8	≤-23.86	PASS
11N20	Ant1	2412	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-69.83	≤-23.89	PASS
			1000~26500	-3.89	-55.39	≤-23.89	PASS
		2437	Reference	-4.11	-4.11	---	PASS
			30~1000	-4.11	-70.34	≤-24.11	PASS
			1000~26500	-4.11	-55.22	≤-24.11	PASS
		2462	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-69.72	≤-23.88	PASS
			1000~26500	-3.88	-55.05	≤-23.88	PASS

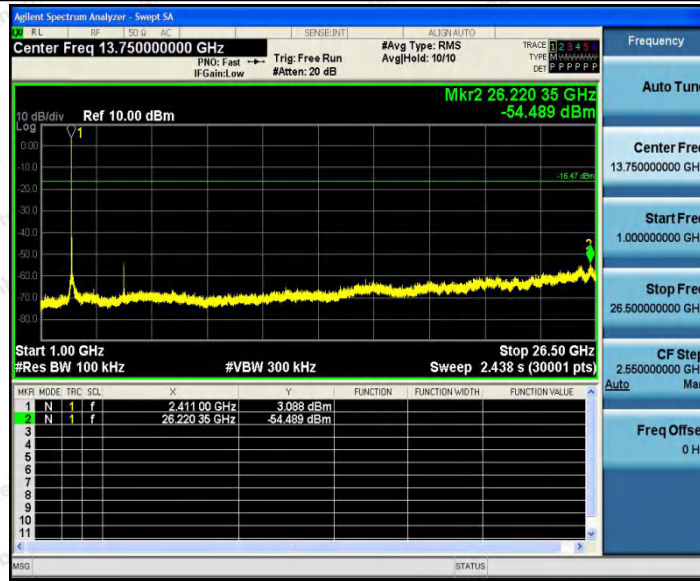
Test Graphs



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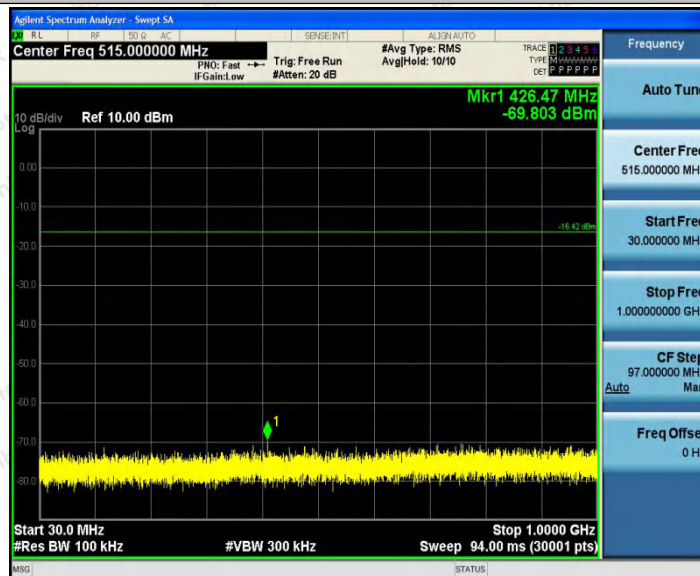
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

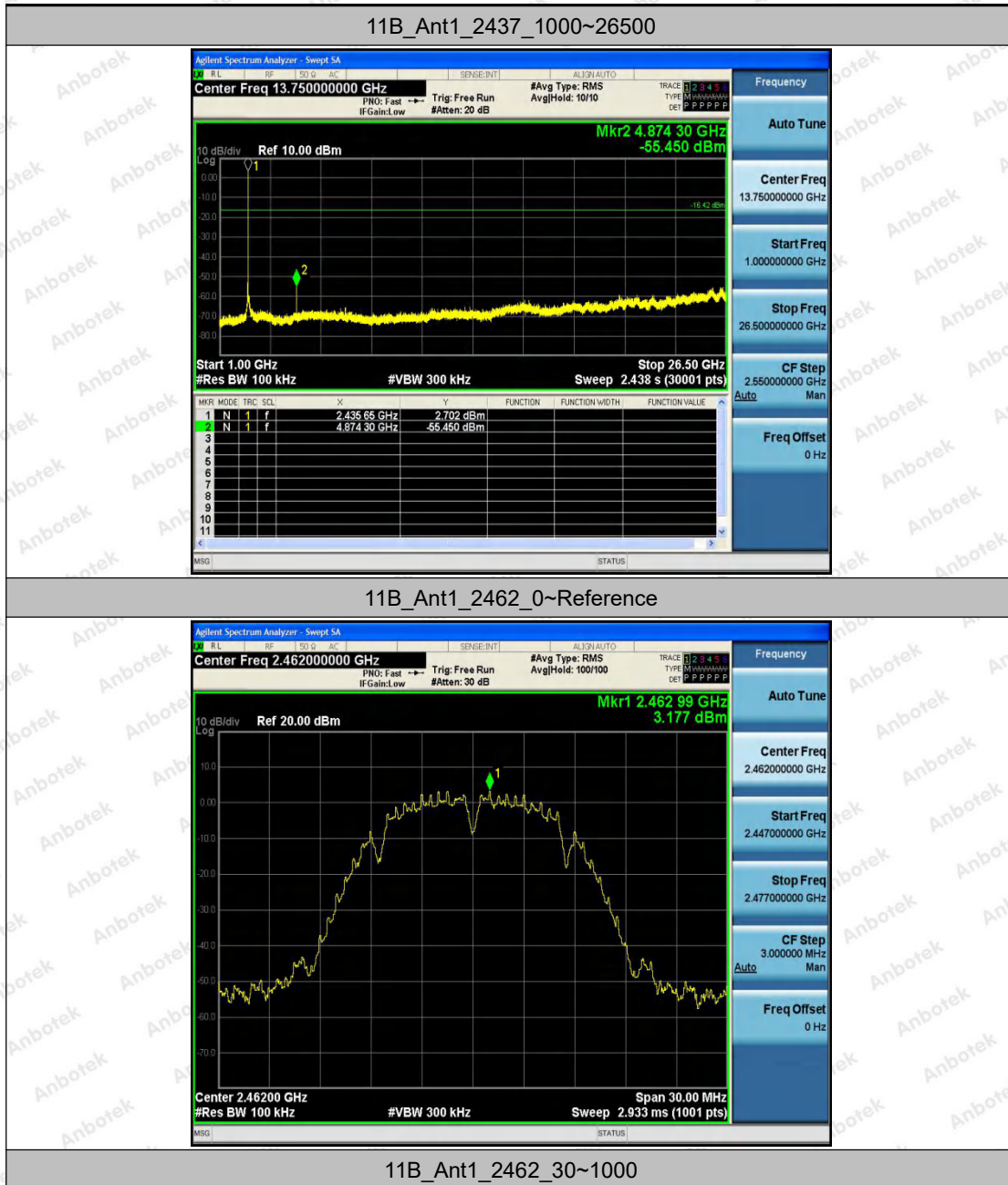


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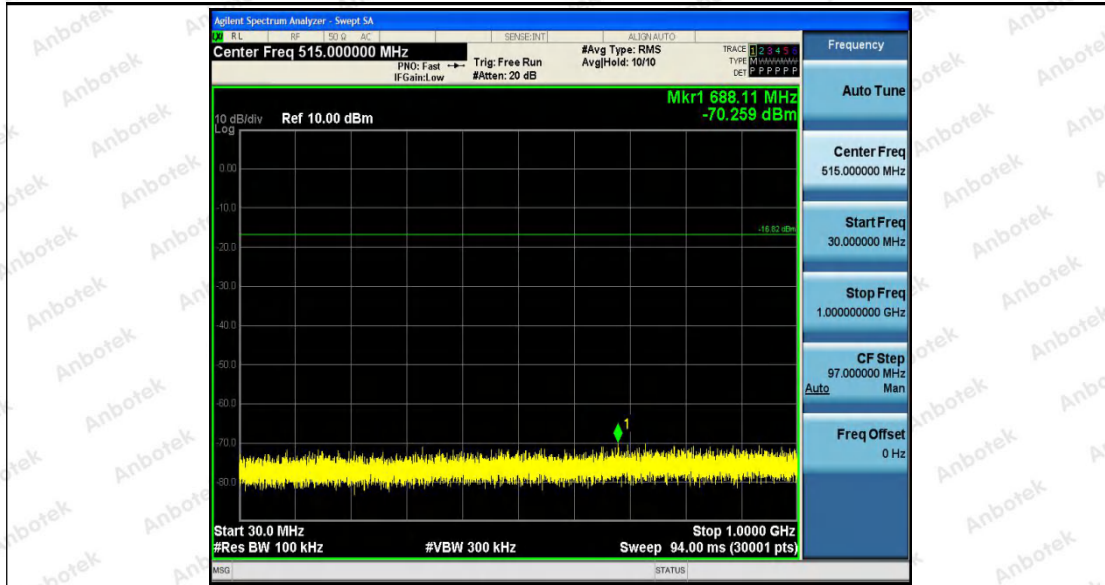


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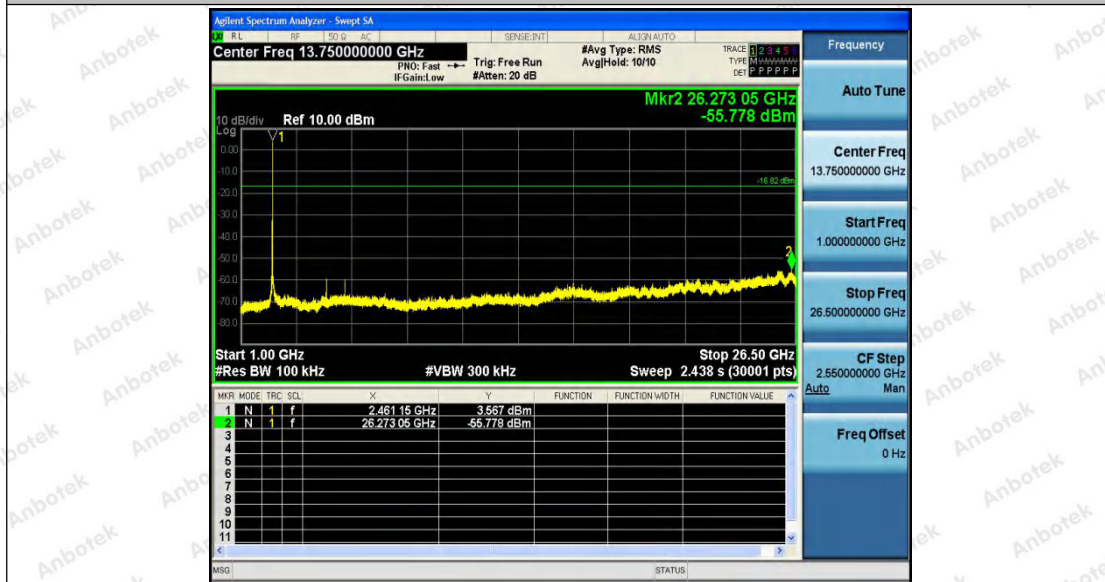
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

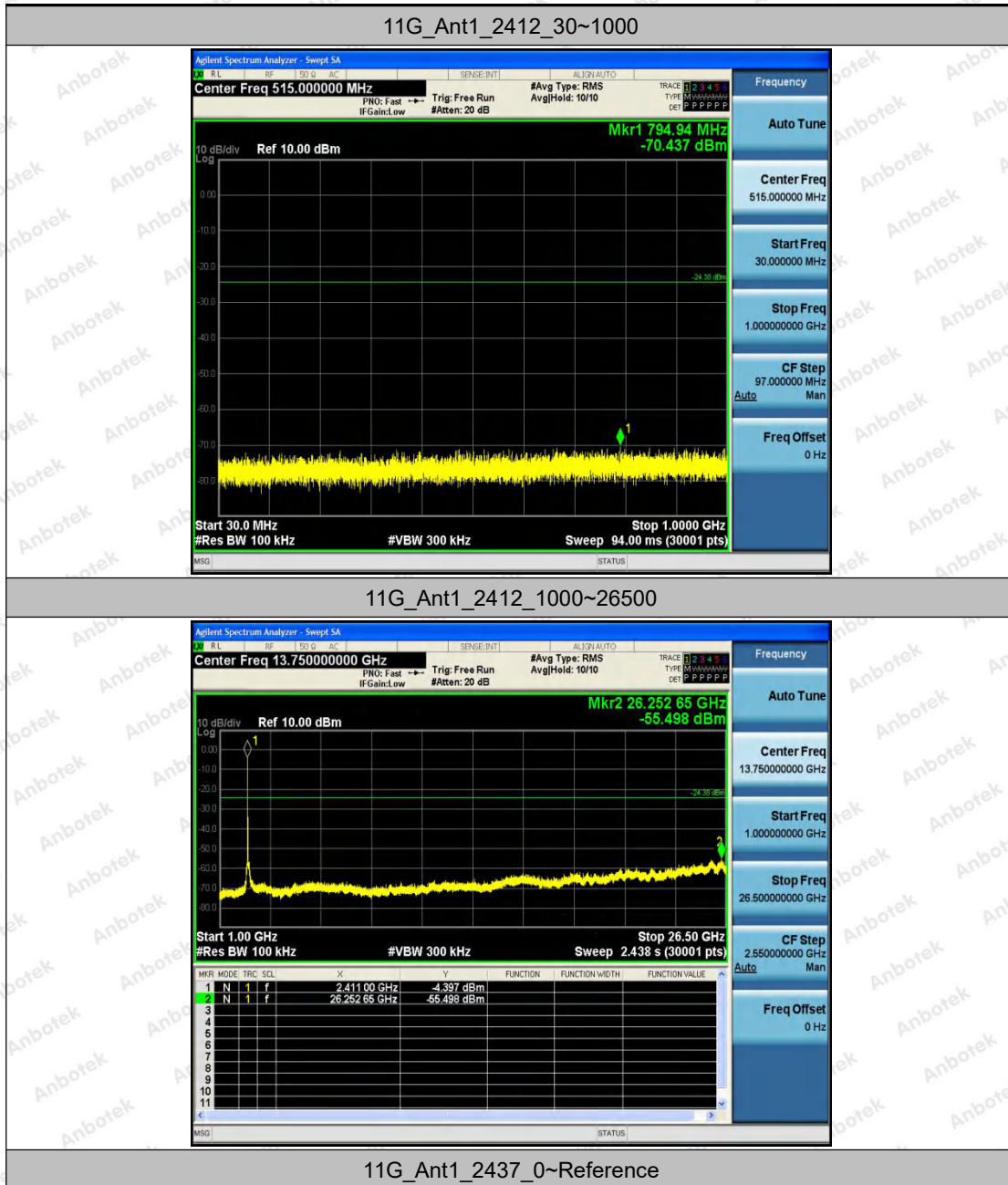


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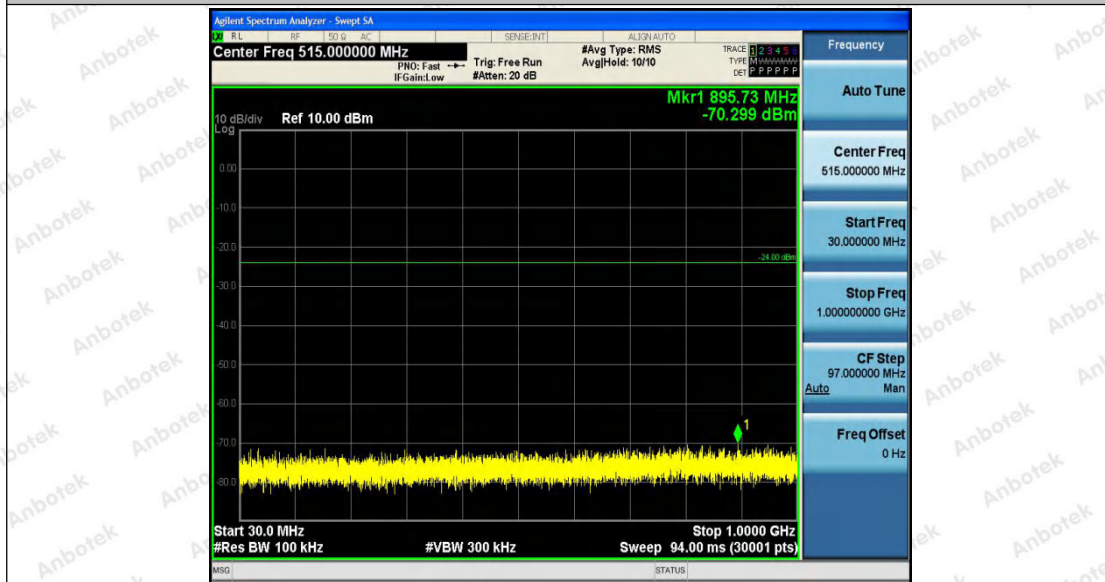
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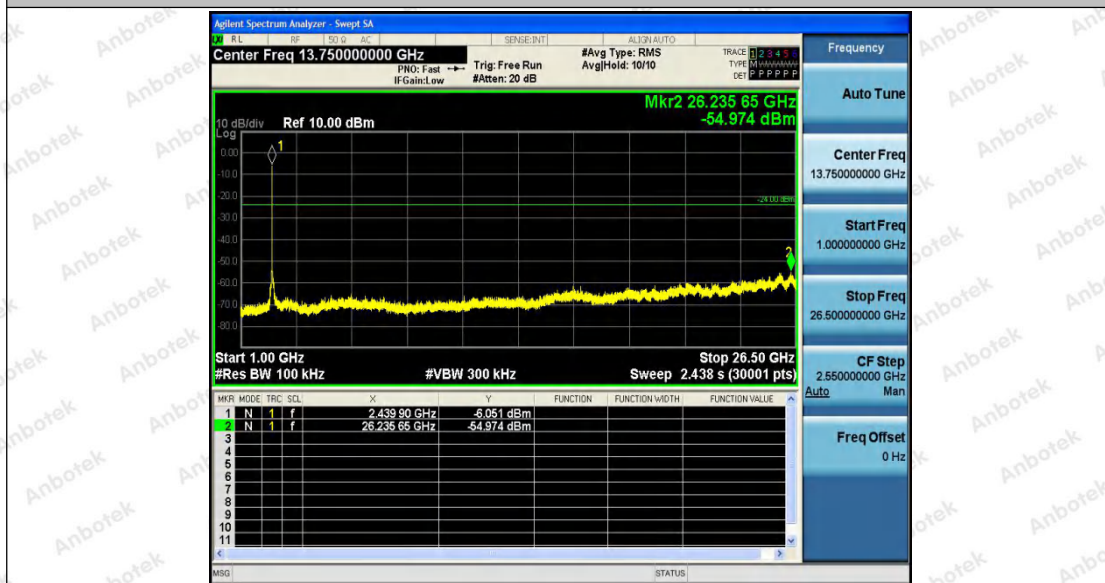
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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

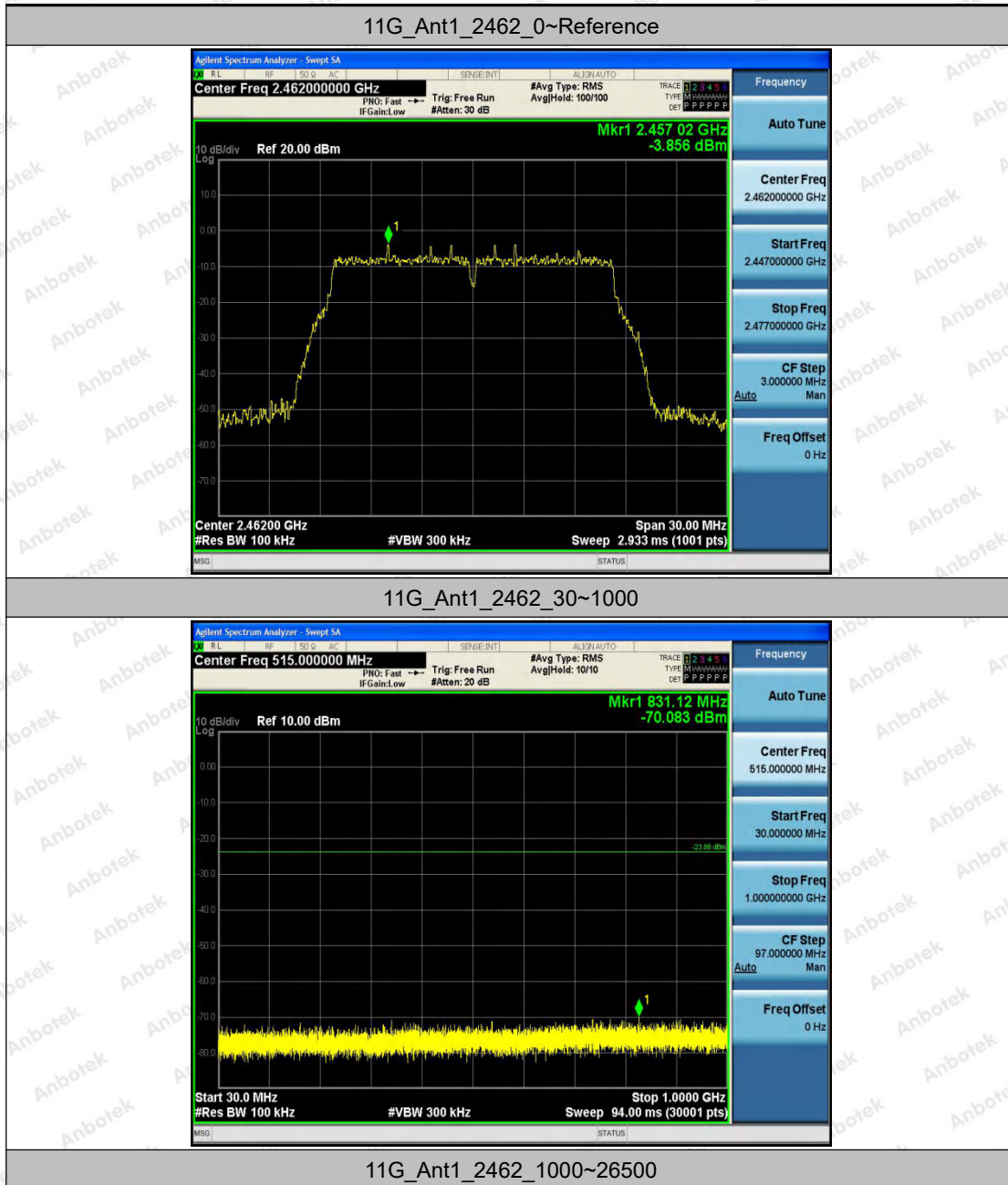


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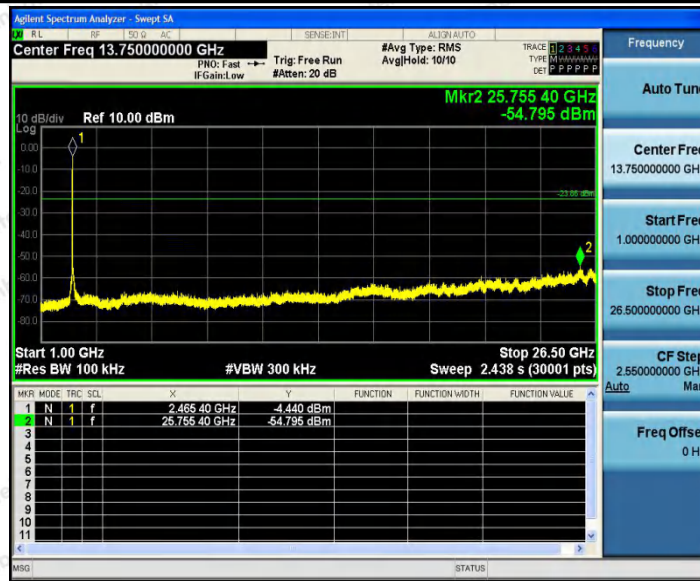
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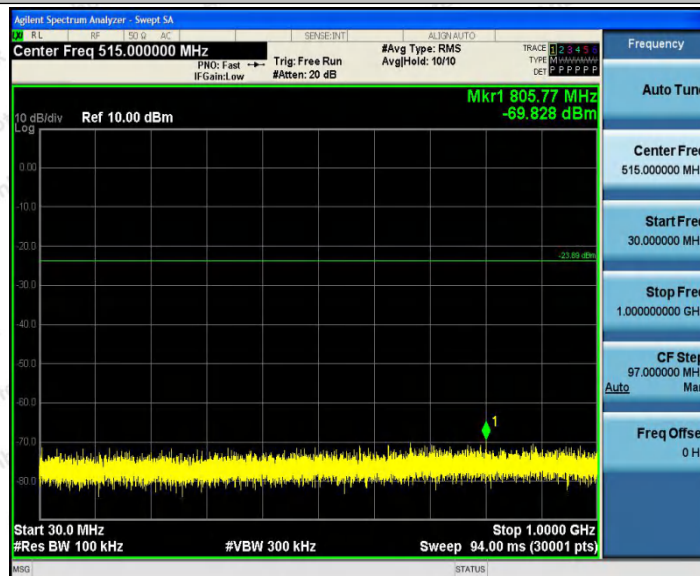
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000

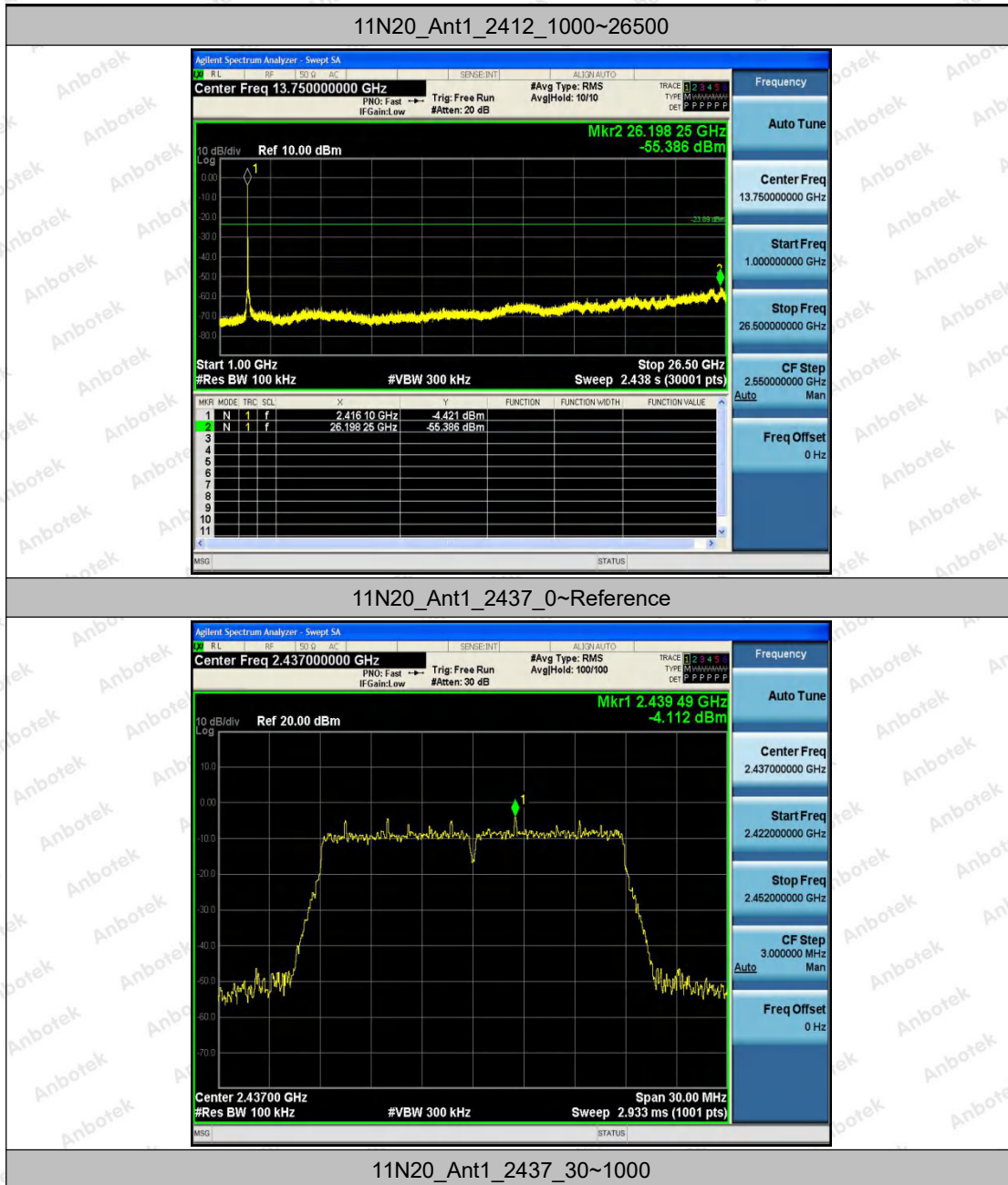


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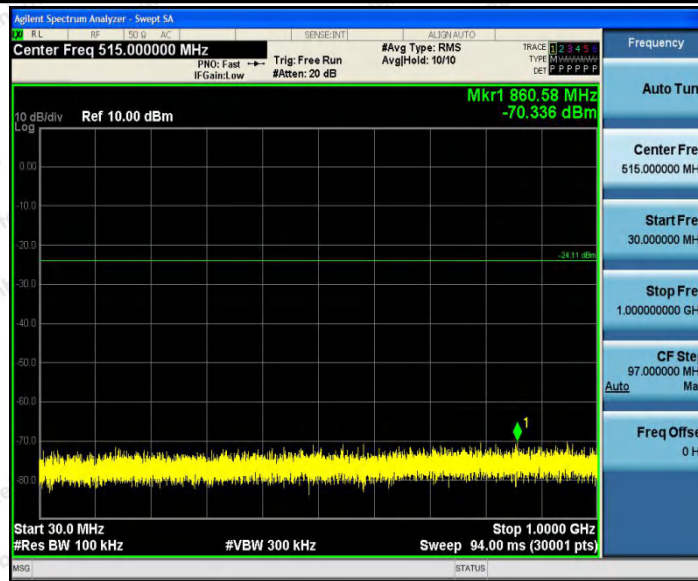


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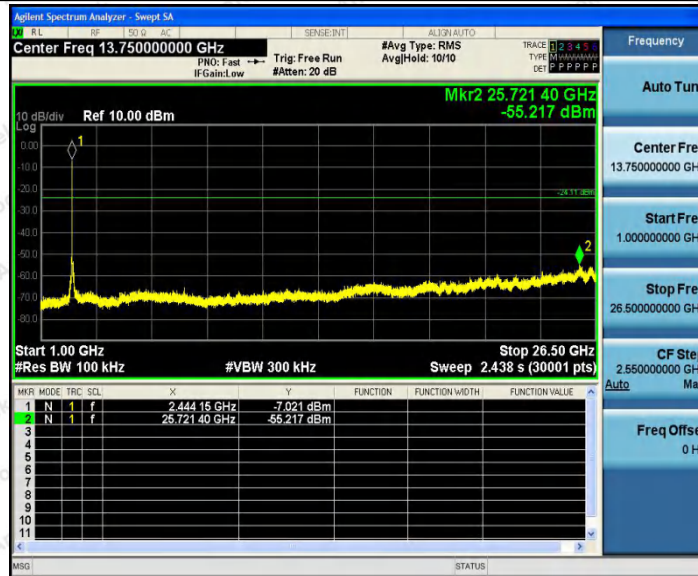
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11N20_Ant1_2437_1000~26500



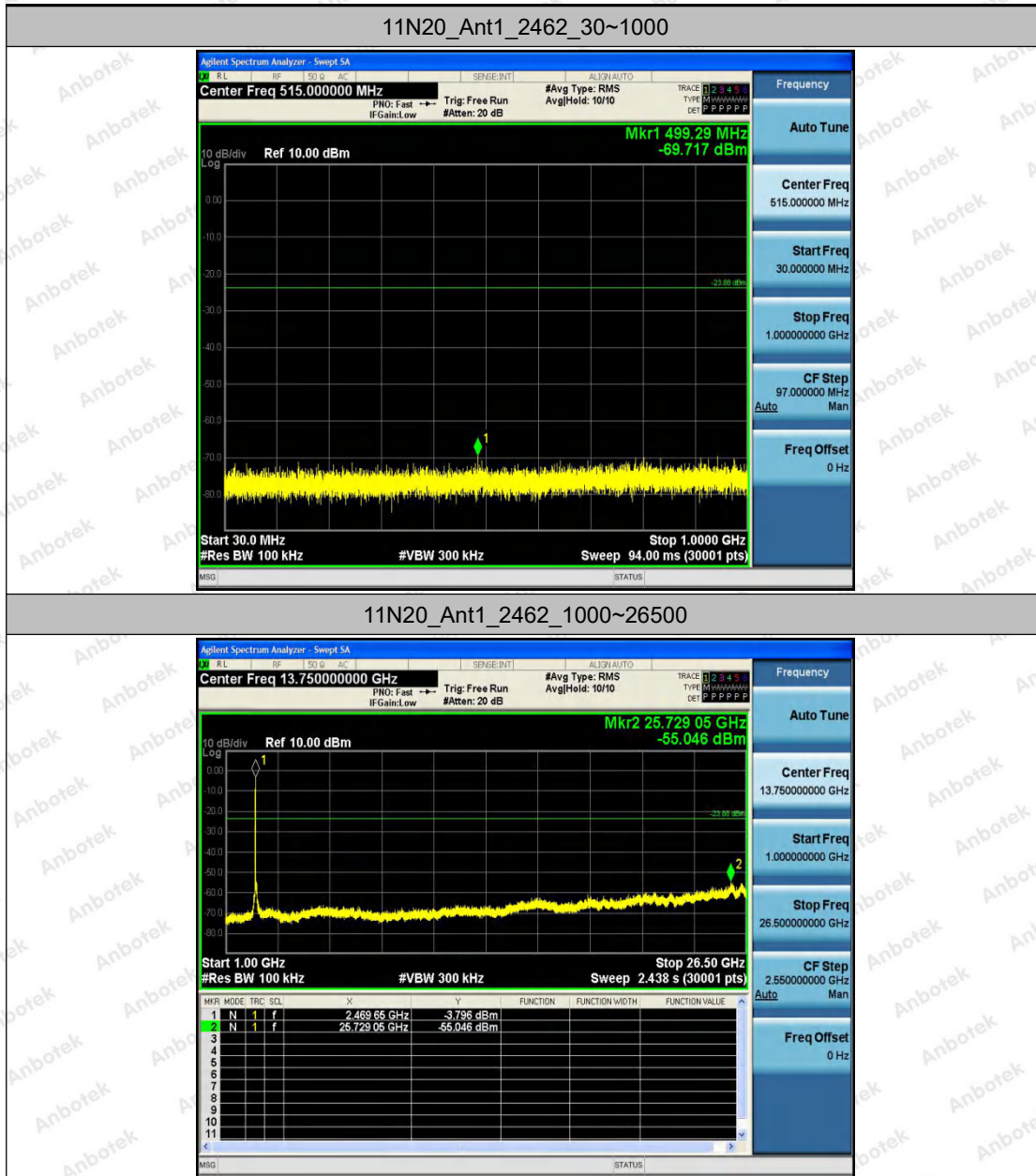
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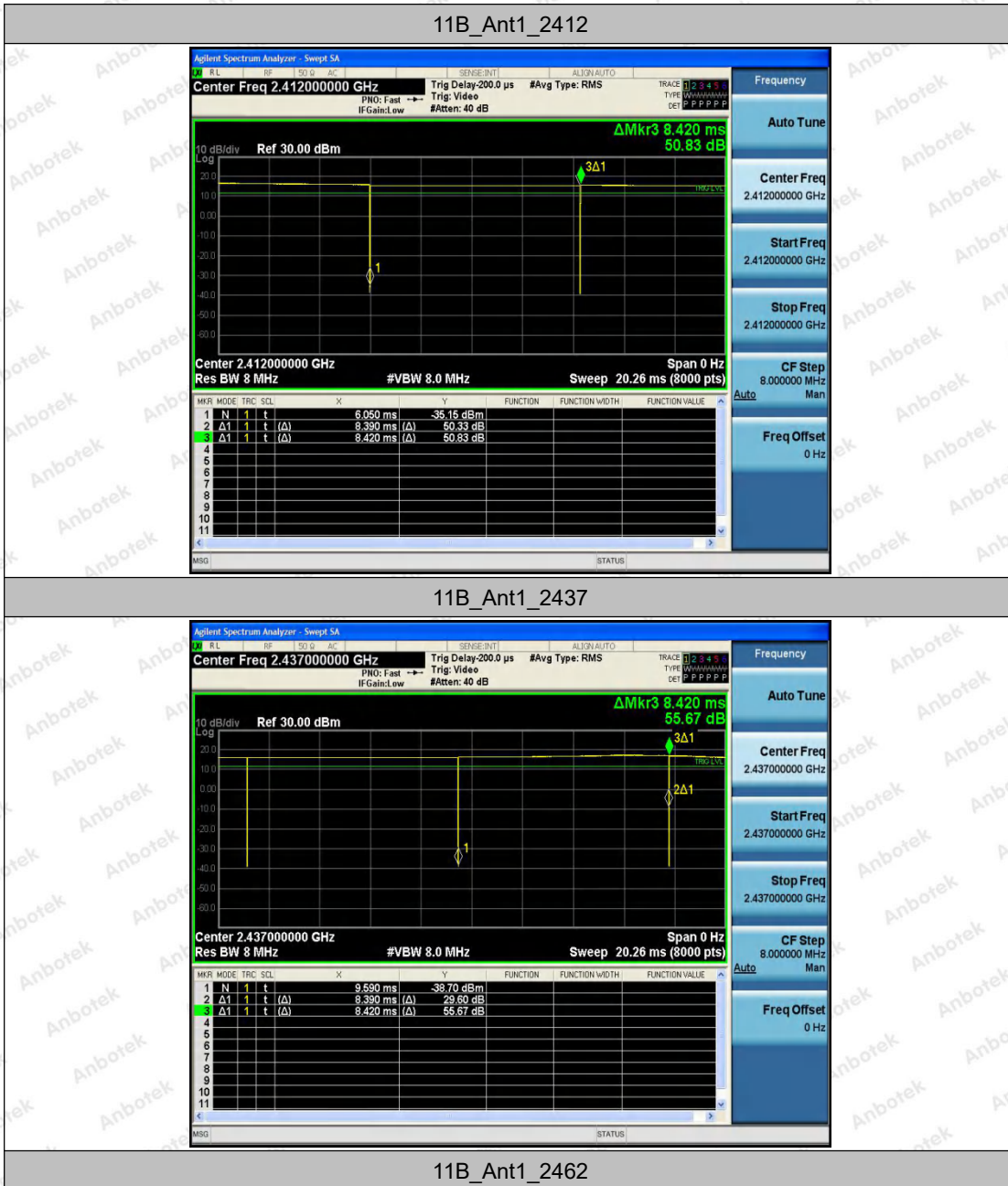
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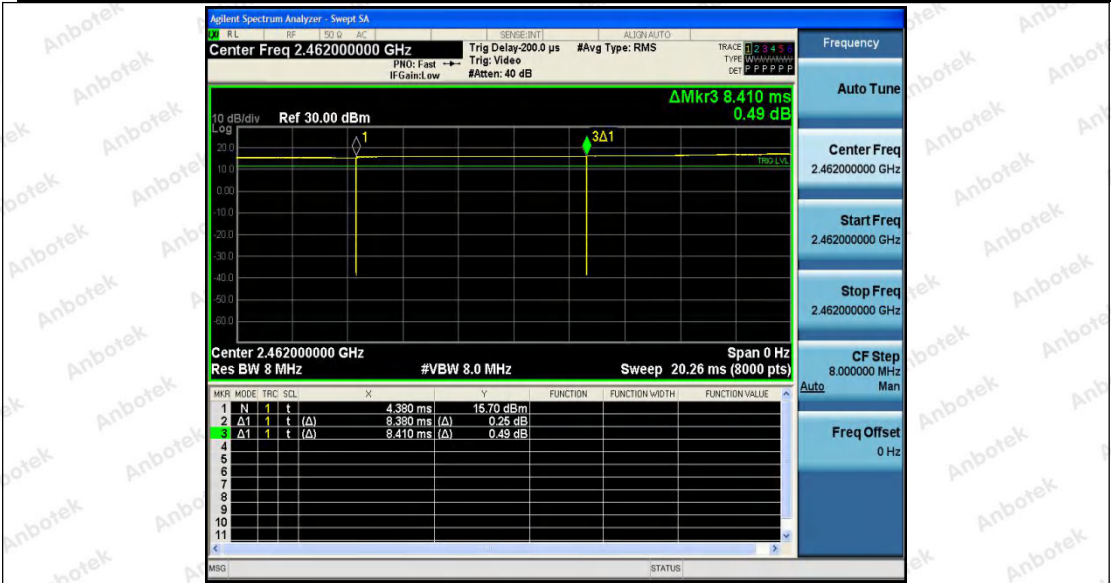
Appendix G: Duty Cycle

Test Result

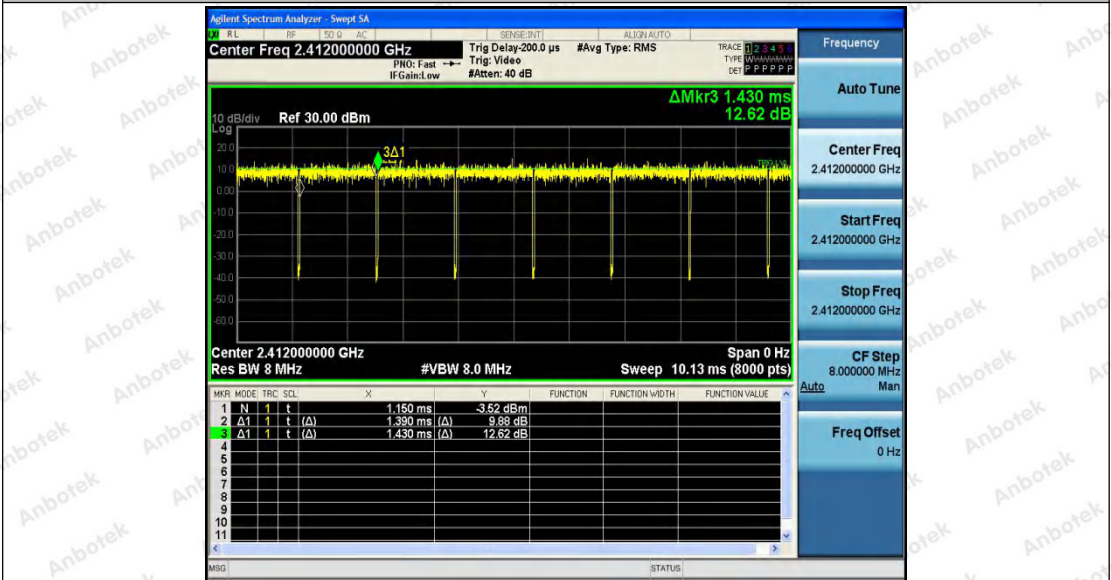
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.39	8.42	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.39	1.42	97.89	---	PASS
		2462	1.40	1.43	97.90	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.34	97.01	---	PASS

Test Graphs

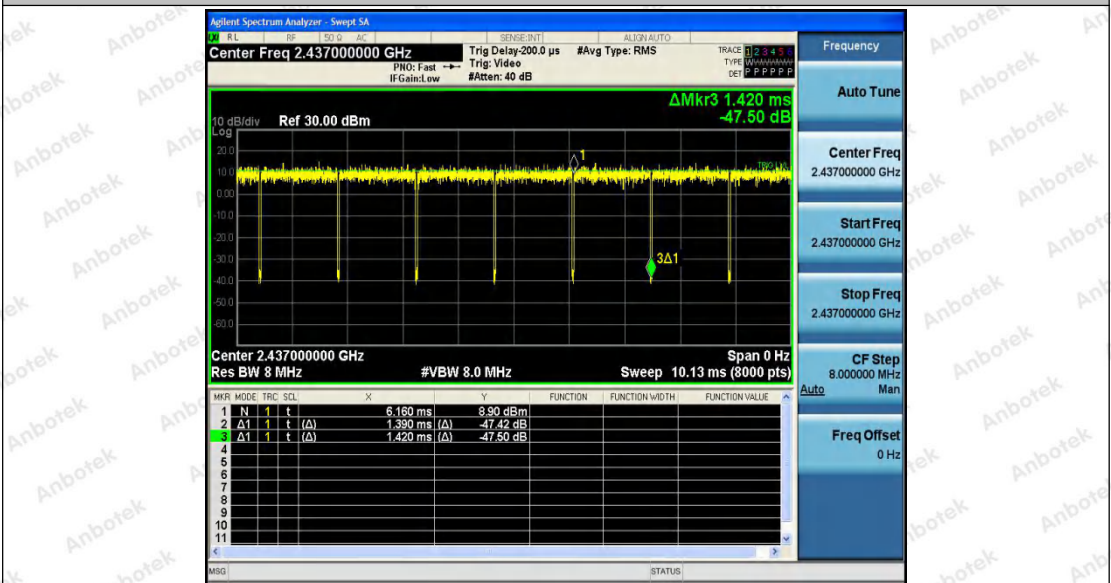




11G_Ant1_2412



11G_Ant1_2437

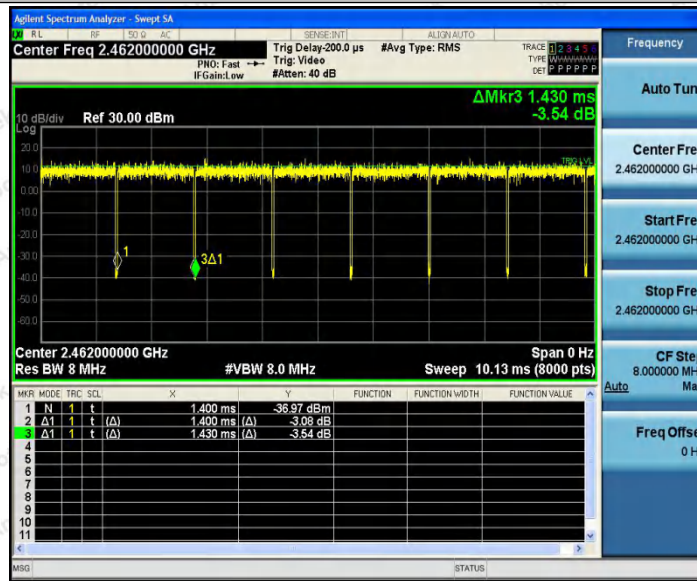


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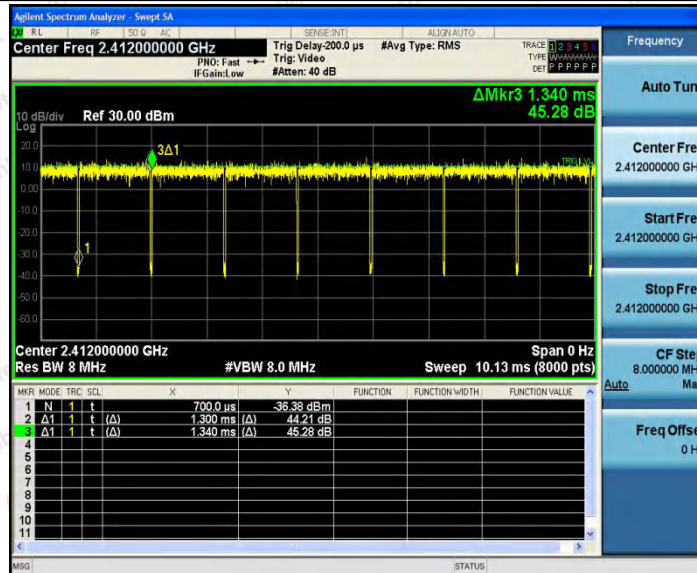
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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 400-003-0500
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11G_Ant1_2462



11N20_Ant1_2412

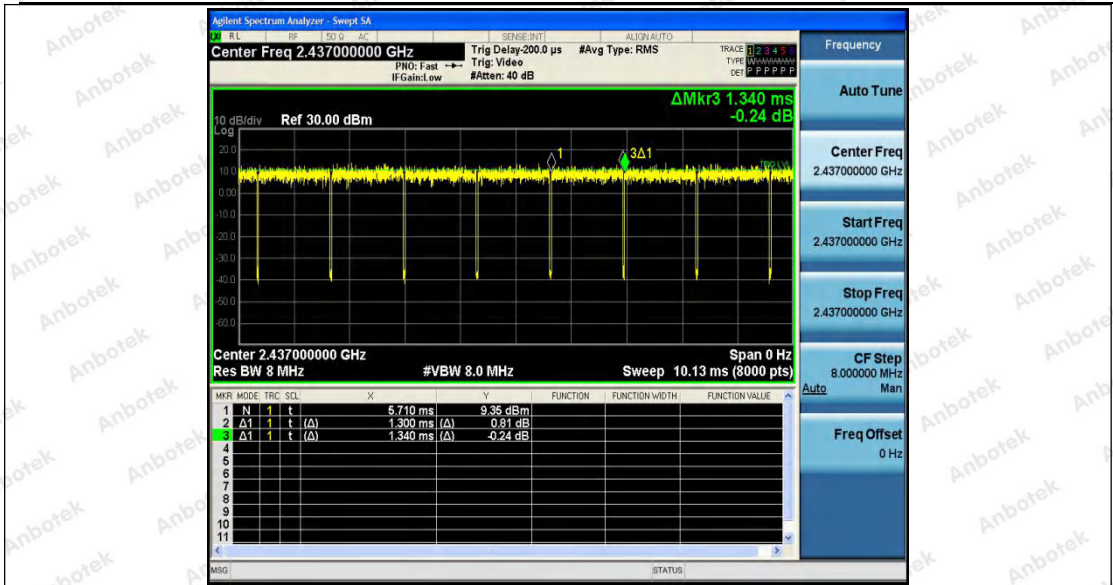


11N20_Ant1_2437

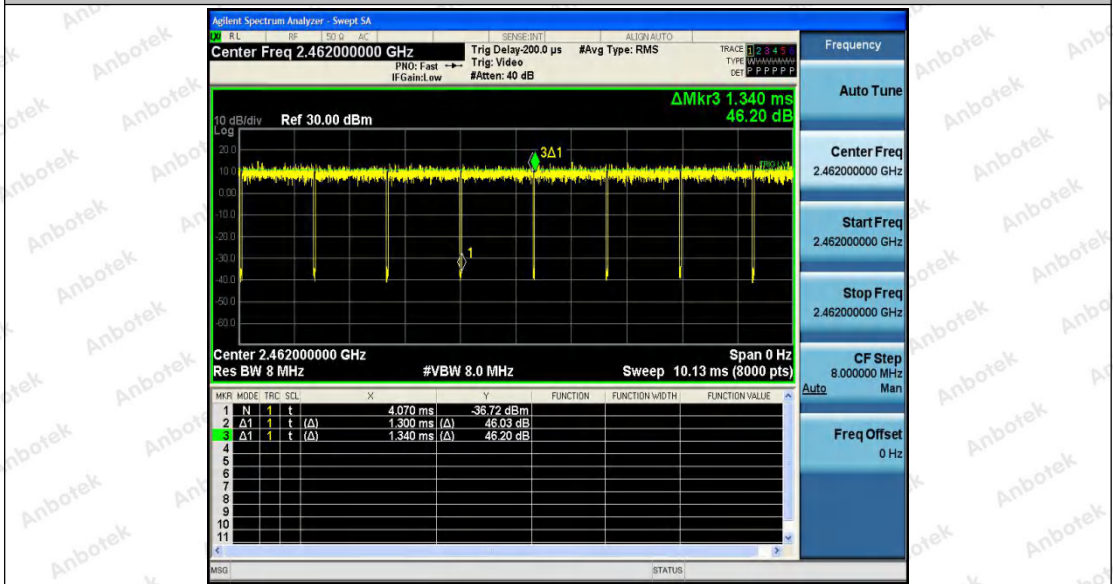
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20_Ant1_2462



---End---